APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELLI
No. C-33128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

300 MONROE DRIVE, HANFORD, CA 93230

HANFORD ELEMENTARY SCHOOL DISTRICT

714 N. WHITE ST., HANFORD, CA 93232
PROJECT TRACKING NUMBER: 63917-60

ABBREVIATIONS

ABBREVIATIONS WHEN USED IN THESE DOCUMENTS SHALL CONFORM TO THE FOLLOWING LIST UNLESS OTHERWISE NOTED. INDIVIDUAL DRAWINGS (SUCH AS CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL) MAY CONTAIN SPECIFIC REFERENCES AND LEGENDS WITH INTERPRETATIONS INTENDED ONLY FOR THOSE DRAWINGS.

&	AND	F.O.C.	FACE OF CONCRETE	PREFIN.	PREFINISHED
L.	ANGLE	F.O.F.	FACE OF FINISH	PROJ.	PROJECT
@	AT	F.O.M.	FACE OF MASONRY	PT.	POINT
℄	CENTERLINE	F.O.P.	FACE OF PLYWOOD	P.T.	PAPER TOWEL DISPENSER
ø	DIAMETER	F.O.S.	FACE OF STUDS		
#	POUND OR NUMBER	F.R.P.	FIBER REINFORCED PANEL	Q.T.	QUARRY TILE
(E)	EXISTING	F.R.T.	FIRE RETARDANT TREATED		
(N)	NEW	FT.	FOOT OR FEET	R.	RADIUS
		FTG.	FOOTING	R.A.	RETURN AIR
A.B.	ANCHOR BOLT	FUT.	FUTURE	R.B.	RUBBER BASE
A/C	AIR CONDITIONING			R.D.	ROOF DRAIN
A.C.	ASPHALT CONCRETE	G.	GAS	REF.	REFERENCE
ACOUST.	ACOUSTICAL	GA.	GAGE	REFR.	REFRIGERATOR
ADJ.	ADJUSTABLE	GALV.	GALVANIZED	REINF.	REINFORCED
AGG.	AGGREGATE	G.B.	GRAB BAR	REQ.	REQUIRED
ALUM.	ALUMINUM	G.I.	GALVANIZED IRON	RESIL.	RESILIENT
ALT.	ALTERNATE	GND.	GROUND	RM.	ROOM
APPROX.	APPROXIMATE	GR.	GRADE	R.O.	ROUGH OPENING
ARCH.	ARCHITECTURAL (OR ARCHITECT)	GYP.	GYPSUM	R.O.W.	RIGHT-OF-WAY
				RDWD.	REDWOOD
AUTO.	AUTOMATIC	H.B.	HOSE BIB	RWL.	RAIN WATER LEADER
		HD.	HEAD		
BEL.	BELOW	HDWD.	HARDWOOD	S.	SOUTH
BET./BTWN.	BETWEEN	HGT./HT.	HEIGHT	S.A.	SUPPLY AIR
BD.	BOARD	H.M.	HOLLOW METAL	S.C.	SOLID CORE
BLDG.	BUILDING	HORIZ.	HORIZONTAL	SCHED.	SCHEDULE
BLK./BLKG.	BLOCKING	HR.	HOUR	S.D.	STORM DRAIN OR SOAP DISPENSER
BM.	BEAM	H.V.A.C.	HEATING VENTILAITING, AND AIR CONDITIONING		
B.O.	BOTTOM OF			SECT.	SECTION
BOT./BTM.	BOTTOM			S.F.	SQUARE FOOT (FEET)
B.U.R.	BUILT-UP ROOF	I.D.	INSIDE DIAMETER	SH.	SHELF
		IN.	INCHES	SHR./SHWR.	SHOWER
CAB.	CABINET	INCL.	INCLUDING, INCLUDES	SHT.	SHEET
C.I.	CAST IRON	INSUL.	INSULATION	SHTG.	SHEATHING
C.J.	CONTROL JOINT	INT.	INTERIOR	SIM.	SIMILAR
CLG.	CEILING	INV.	INVERT	S.M.S.	SHEET METAL SCREW
CLR.	CLEAR			S.N.D.	SANITARY NAPKIN DISPOSAL
CNTR.	COUNTER	JAN.	JANITOR	S.N.V.	SANITARY NAPKIN VENDOR
COL.	COLUMN	JB.	JAMB	S.O.V.	SHUT OFF VALVE
C.M.U.	CONCRETE MASONRY UNIT	JT.	JOINT	SPEC.	SPECIFICATIONS
CONC.	CONCRETE	JST	JOIST	SQ.	SQUARE
CONN.	CONNECTION			ST.STL.	STAINLESS STEEL
CONSTR.	CONSTRUCTION	K.	KITCHEN	S.S.	SERVICE SINK
CONT.	CONTINUOUS			S.T.	SELF TAPPING
CONTR.	CONTRACTOR	L.	LONG	STA.	STATION
CORR.	CORRIDOR	LAB.	LABORATORY	STD.	STANDARD
CTR.	CENTER	LAM.	LAMINATE	STL.	STEEL
CTSK.	COUNTERSUNK	LAV.	LAVATORY	STOR.	STORAGE
C.Y.	CUBIC YARD	LKR.	LOCKER	STRUCT.	STRUCTURAL
		LT.	LIGHT	SUSP.	SUSPENDED
DBL.	DOUBLE			S.V.	SHEET VINYL
DEPT.	DEPARTMENT	MAX.	MAXIMUM	S.Y.	SQUARE YARD
DET.	DETAIL	M.B.	MACHINE BOLT	SYM.	SYMMETRICAL
D.F.	DRINKING FOUNTAIN	MATL.	MATERIAL		
D.I.	DROP INLET	MECH.	MECHANICAL	T.C.	TERMINAL CABINET
DIA	DIAMETER	MET./MTL.	METAL	TEL.	TELEPHONE
DIAG.	DIAGONAL	MFR.	MANUFACTURER	TEMP.	TEMPERED
DIM.	DIMENSION	MH.	MANHOLE	T&G	TONGUE AND GROOVE
DISP.	DISPENSER	MIN.	MINIMUM	THK.	THICK
DN.	DOWN	MISC.	MISCELLANEOUS	T.P.	TOILET PAPER DISPENSER
DP.	DEEP	M.O.	MASONRY OPENING	T.O.M.	TOP OF MASONRY
DR.	DOOR	MOD.	MODULE, MODULAR	T.PL.	TOP OF PLATE
DS.	DOWNSPOUT	MTD.	MOUNTED	T.O.S.	TOP OF STEEL
DW.	DOMESTIC WATER	MUL.	MULLION	TRD.	TREAD
DWG.	DRAWING			T.S.C.	TOILET SEAT COVER DISPENSER
DWR.	DRAWER	N.	NORTH	T.V.	TELEVISION
		N.I.C.	NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL)	T.W.	TOP OF WALL
E.	EAST			TYP.	TYPICAL
EA.	EACH				
E.J.	EXPANSION JOINT	NO.	NUMBER	UNF.	UNFINISHED
ELEV.	ELEVATION	NOM.	NOMINAL	U.O.N.	UNLESS OTHERWISE NOTED
ELEC.	ELECTRICAL	N.T.S.	NOT TO SCALE	UR.	URINAL
EMBED.	EMBEDMENT				
ENCL.	ENCLOSURE	O/	OVER	V.B.	VINYL BASE
ENGR.	ENGINEER	O.C.	ON CENTER	V.C.T.	VINYL COMPOSITION TILE
EQ.	EQUAL	O.D.	OUTSIDE DIAMETER	VCTB	VINYL COVERED TACKBOARD
EQUIP.	EQUIPMENT	OFF.	OFFICE	VWC	VINYL WALLCOVERING
EXP.	EXPANSION	O.H.	OPPOSITE HAND	VERT.	VERTICAL
EXIST.	EXISTING	O.H.M.S.	OVAL HEAD MACHINE SCREW	VEST.	VESTIBULE
EXT	EXTERIOR	O.H.W.S.	OVAL HEAD WOOD SCREW		
		OPNG.	OPENING.	W.	WEST
F.A.	FIRE ALARM	OPP.	OPPOSITE	W/	WITH
F.D.	FLOOR DRAIN			W.C.	WATER CLOSET
FDN.	FOUNDATION	PART.	PARTITION	WD.	WOOD
F.E.	FIRE EXTINGUISHER	P.E.N.	PLYWOOD EDGE NAILING	W.H.	WATER HEATER
F.E.C.	FIRE EXTINGUISHER AND CABINET	PL.	PLATE	W/O	WITHOUT
		P. LAM.	PLASTIC LAMINATE	WP.	WATERPROOF
F.F.E.	FINISH FLOOR ELEVATION	PL.	PLATE	W.R.	WATER RESISTANT
F.H.C.	FIRE HOSE CABINET	PLAS.	PLASTER	W.S.	WOOD SCREW
F.H.M.S.	FLAT HEAD MACHINE SCREW	PLUMB.	PLUMBING	WSCT.	WAINSCOT
F.H.W.S.	FLAT HEAD WOOD SCREW	PLYWD.	PLYWOOD	WT.	WEIGHT
FIN.	FINISH	P.O.C.	POINT OF CONNECTION	WWF	WELDED WIRE FABRIC
FL.	FLOOR	PR.	PAIR		
FLSHG.	FLASHING	PRCST.	PRECAST		

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PROJECT SCOPE

- MODERNIZATION OF (6) EXISTING CLASSROOM BUILDINGS WITH RELATED ON-SITE IMPROVEMENTS FOR ACCESSIBILITY UPGRADES, BUILDINGS A, A1, B, C, D & E.
- FIRE ALARM UPGRADES TO BUILDINGS A, A1, B, C, D & E.
- FIRE ALARM UPGRADES TO RELOCATABLE BUILDINGS K & T.
- RELOCATION OF RELOCATABLE BUILDING T.
- REMOVAL OF RELOCATABLE BUILDINGS L, P, Q, R & S.

- ABANDONMENT OF EXISTING IRRIGATION WELL.
- CONNECTION OF NEW WATER MAIN LINE AND METER.
- MISC. STORM DRAIN, IRRIGATION AND LANDSCAPE IMPROVEMENTS.

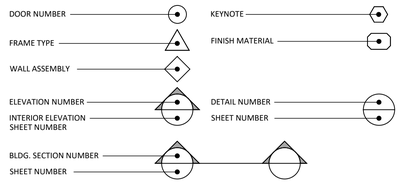
APPLICABLE CODES

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE FOLLOWING REGULATIONS :

1. 2025 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR.
2. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR.
3. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR.
4. 2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 CCR.
5. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR.
6. 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR.
7. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR.
8. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR.
9. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR.
10. TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
11. 2022 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, (CA AMENDED)
12. 2019 NFPA 80 STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES.
13. 2022 NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, (CA AMENDED)
14. 2021 NFPA 17A STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS.
15. 2019 NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS, (CA AMENDED)
16. 2019 NFPA 20 STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION.
17. 2022 NFPA 24 STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES, (CA AMENDED)
18. 2018 NFPA 2001 STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, (CA AMENDED)

REFERENCE CODE SECTION FOR NFPA STANDARDS - 2022 CBC (SFM) CHAPTER 35.
SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

SYMBOL LEGEND



VICINITY MAP

MONROE ELEMENTARY SCHOOL
300 MONROE DRIVE, HANFORD, CA 93230

N.T.S.

DEFERRED APPROVALS

INSTALLATION OF DEFERRED APPROVAL ITEMS SHALL NOT BE STARTED UNTIL THE CONTRACTOR'S DRAWINGS SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT.

1. NONE

GENERAL NOTES

1. CUTTING, BORING, SAW CUTTING, OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL MEMBERS WILL BE PERMITTED ONLY WHERE INDICATED ON THE DRAWINGS, OR WHEN ACCEPTED BY THE ARCHITECT. CONTRACTOR TO PROVIDE ALL DEMOLITION AND REPLACEMENT OF HARDSCAPE/TURF IN KIND AS REQUIRED FOR INSTALLATION AND/OR DEMOLITION OF SITE UTILITIES WHERE THEY OCCUR BELOW EXISTING HARDSCAPE/TURF.
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
3. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS MONITORING OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. A MIN. CLASS 3 INSPECTOR IS REQUIRED.
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
5. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS, AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
6. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317 (c), PART 1, TITLE 24, CCR).
7. THE DRAWINGS AND SPECIFICATIONS ARE BASED ON LIMITED FIELD INVESTIGATION. CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS PRIOR TO THE BID NECESSARY TO ACCOMPLISH THE WORK WHETHER SPECIFICALLY INDICATED OR NOT.
8. THE STORAGE OF MATERIAL AND EFFECTS OF WORK SHALL BE APPROVED BY LOCAL FIRE AUTHORITY. COMPLY WITH CALIF. FIRE CODE CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION. COMPLY WITH CBC CHAPTER 33, SAFETY DURING CONSTRUCTION. ALL CONSTRUCTION & DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF CBC & CFC, AND THE WRITTEN SITE FIRE SAFETY PLAN.
9. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT). MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PER FORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ ARCHITECT OF RECORD OF THE OWNER'S AGENT. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: https://www.energy.ca.gov/programs-and-topics/programs -and- topics /programs/acceptance-test-technician-certification- provider-program/acceptance. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
10. NEW BUILDINGS SHALL BE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGE IN ACCORDANCE WITH CALIFORNIA FIRE CODE SECTION 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA. PLANS AND REQUESTED DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.

SHEET INDEX (217 SHEETS TOTAL)

GENERAL INFORMATION
G1 COVER SHEET, SHEET INDEX, & VICINITY MAP

CIVIL
C0.1 CIVIL COVERSHEET
C1.1 PARTIAL TOPOGRAPHIC SURVEY
C1.2 PARTIAL TOPOGRAPHIC SURVEY
C1.3 PARTIAL TOPOGRAPHIC SURVEY
C3.1 GRADING AND DRAINAGE PLAN
C3.2 GRADING AND DRAINAGE PLAN
C3.3 GRADING AND DRAINAGE PLAN
C3.4 ENLARGED GRADING DETAILS
C4.1 STORM DRAIN PLAN
C4.2 STORM DRAIN PLAN
C5.1 OFFSITE UTILITY PLAN
C7.1 CIVIL DETAILS
C7.2 OFFSITE DETAILS
C7.3 OFFSITE DETAILS

IRRIGATION & LANDSCAPE
IR1.1 IRRIGATION PLAN
IR1.2 IRRIGATION PLAN
IR1.3 IRRIGATION PUMP YARD
IR1.4 IRRIGATION DETAILS
IR1.5 IRRIGATION DETAILS
L1.1 PLANTING PLAN
L1.2 PLANTING PLAN
L1.3 PLANTING DETAILS

SITE DEVELOPMENT
SD1 OVERALL SITE PLAN
SD2 ENLARGED DEMO SITE PLAN & ENLARGED SITE PLAN
SD3 SITE DETAILS
SD4 ENLARGED DEMO SITE PLAN & ENLARGED SITE PLAN
SD5 SITE DETAILS
SD6 BUILDING EXTERIOR ELEVATIONS

ARCHITECTURAL
A1 BUILDING A DEMO FLOOR PLAN, FLOOR PLAN
A2 BUILDING A ENLARGED DEMO FLOOR PLAN, ENLARGED FLOOR PLAN
A3 BUILDING A EXTERIOR ELEVATIONS
A4 BUILDING A DEMO REFLECTED CEILING PLAN, REFLECTED CEILING PLAN
A5 BUILDING A DEMO ROOF PLAN, ROOF PLAN
A6 BUILDING A SECTIONS
A7 BUILDING A INTERIOR ELEVATIONS
A8 BUILDING A INTERIOR ELEVATIONS
A9 BUILDING A INTERIOR ELEVATIONS
A10 BUILDING A1 DEMO FLOOR PLAN, FLOOR PLAN
A11 BUILDING A1 ENLARGED DEMO FLOOR PLAN, ENLARGED FLOOR PLAN
A12 BUILDING A1 EXTERIOR ELEVATIONS
A13 BUILDING A1 DEMO REFLECTED CEILING PLAN, REFLECTED CEILING PLAN
A14 BUILDING A1 DEMO ROOF PLAN, ROOF PLAN
A15 BUILDING A1 SECTIONS
A16 BUILDING A1 INTERIOR ELEVATIONS
A17 BUILDING A1 INTERIOR ELEVATIONS
A18 BUILDING B DEMO FLOOR PLAN, FLOOR PLAN
A19 BUILDING B ENLARGED DEMO FLOOR PLAN, ENLARGED FLOOR PLAN
A20 BUILDING B EXTERIOR ELEVATIONS
A21 BUILDING B DEMO REFLECTED CEILING PLAN, REFLECTED CEILING PLAN
A22 BUILDING B DEMO ROOF PLAN, ROOF PLAN
A23 BUILDING B SECTIONS
A24 BUILDING B INTERIOR ELEVATIONS
A25 BUILDING B INTERIOR ELEVATIONS
A26 BUILDING B INTERIOR ELEVATIONS
A27 BUILDING C DEMO FLOOR PLAN, FLOOR PLAN
A28 BUILDING C ENLARGED DEMO FLOOR PLAN, ENLARGED FLOOR PLAN
A29 BUILDING C EXTERIOR ELEVATIONS
A30 BUILDING C DEMO REFLECTED CEILING PLAN, REFLECTED CEILING PLAN
A31 BUILDING C DEMO ROOF PLAN, ROOF PLAN
A32 BUILDING C SECTIONS
A33 BUILDING C INTERIOR ELEVATIONS
A34 BUILDING C INTERIOR ELEVATIONS
A35 BUILDING C INTERIOR ELEVATIONS
A36 BUILDING D DEMO FLOOR PLAN, FLOOR PLAN
A37 BUILDING D ENLARGED DEMO FLOOR PLAN, ENLARGED FLOOR PLAN
A38 BUILDING D EXTERIOR ELEVATIONS
A39 BUILDING D DEMO REFLECTED CEILING PLAN, REFLECTED CEILING PLAN
A40 BUILDING D DEMO ROOF PLAN, ROOF PLAN
A41 BUILDING D SECTIONS
A42 BUILDING D INTERIOR ELEVATIONS
A43 BUILDING D INTERIOR ELEVATIONS
A44 BUILDING D INTERIOR ELEVATIONS
A45 BUILDING E DEMO FLOOR PLAN, FLOOR PLAN
A46 BUILDING E ENLARGED DEMO FLOOR PLAN, ENLARGED FLOOR PLAN
A47 BUILDING E EXTERIOR ELEVATIONS
A48 BUILDING E DEMO REFLECTED CEILING PLAN, REFLECTED CEILING PLAN
A49 BUILDING E DEMO ROOF PLAN, ROOF PLAN
A50 BUILDING E SECTIONS
A51 BUILDING E INTERIOR ELEVATIONS
A52 BUILDING E INTERIOR ELEVATIONS
A53 BUILDING E INTERIOR ELEVATIONS
A54 FINISH SCHEDULE
A55 DOOR & FRAME TYPE SCHEDULE
A56 FRAME DETAILS
A57 FRAME DETAILS
A58 WALL DETAILS
A59 MILLWORK DETAILS
A60 TYPICAL DETAILS
A61 DETAILS
A62 DETAILS
A63 DETAILS

STRUCTURAL
S0.1 STRUCTURAL NOTES
S0.2 TYPICAL STRUCTURAL DETAILS
S0.3 TYPICAL STRUCTURAL DETAILS
S0.4 TYPICAL STRUCTURAL DETAILS
S1.1 BUILDING A SHEARWALL LAYOUT PLAN, PARTIAL ROOF FRAMING PLAN
S1.2 BUILDING A FRAMING ELEVATIONS
S1.3 BUILDING A1 SHEARWALL LAYOUT PLAN, PARTIAL ROOF FRAMING PLAN
S1.4 BUILDING A1 FRAMING ELEVATIONS
S1.5 BUILDING B SHEARWALL LAYOUT PLAN, PARTIAL ROOF FRAMING PLAN
S1.6 BUILDING B FRAMING ELEVATIONS
S1.7 BUILDING C SHEARWALL LAYOUT PLAN, PARTIAL ROOF FRAMING PLAN
S1.8 BUILDING C FRAMING ELEVATIONS
S1.9 BUILDING D SHEARWALL LAYOUT PLAN, PARTIAL ROOF FRAMING PLAN
S1.10 BUILDING D FRAMING ELEVATIONS
S1.11 BUILDING E SHEARWALL LAYOUT PLAN, PARTIAL ROOF FRAMING PLAN
S1.12 BUILDING E FRAMING ELEVATIONS
S7.1 FRAMING DETAILS

PLUMBING
SP1.1 SITE PLAN
SP1.2 SITE PLAN DOMESTIC COLD WATER AND SEWER EXISTING & DEMO
SP1.3 SITE PLAN DOMESTIC COLD WATER AND SEWER
P1.1 BUILDING A DEMO FLOOR PLAN FLOOR PLAN
P1.2 BUILDING A ENLARGED DEMO FLOOR PLAN ENLARGED FLOOR PLAN
P1.3 BUILDING A DEMO ROOF PLAN ROOF PLAN
P2.1 BUILDING A1 DEMO FLOOR PLAN FLOOR PLAN
P2.2 BUILDING A1 ENLARGED DEMO FLOOR PLAN ENLARGED FLOOR PLAN
P2.3 BUILDING A1 DEMO ROOF PLAN ROOF PLAN
P3.1 BUILDING B DEMO FLOOR PLAN FLOOR PLAN
P3.2 BUILDING B ENLARGED DEMO FLOOR PLAN ENLARGED FLOOR PLAN
P3.3 BUILDING B DEMO ROOF PLAN ROOF PLAN
P4.1 BUILDING C DEMO FLOOR PLAN FLOOR PLAN
P4.2 BUILDING C ENLARGED DEMO FLOOR PLAN ENLARGED FLOOR PLAN
P4.3 BUILDING C DEMO ROOF PLAN ROOF PLAN

PLUMBING CONT.
P5.1 BUILDING D DEMO FLOOR PLAN FLOOR PLAN
P5.2 BUILDING D ENLARGED DEMO FLOOR PLAN ENLARGED FLOOR PLAN
P5.3 BUILDING D DEMO ROOF PLAN ROOF PLAN
P6.1 BUILDING E DEMO FLOOR PLAN FLOOR PLAN
P6.2 BUILDING E ENLARGED DEMO FLOOR PLAN ENLARGED FLOOR PLAN
P6.3 BUILDING E DEMO ROOF PLAN ROOF PLAN
P7.1 PLUMBING DETAILS
P7.2 PLUMBING DETAILS
P7.3 PLUMBING DETAILS
P8.1 PLUMBING SCHEDULES

MECHANICAL
M1.1 BUILDING A DEMO FLOOR PLAN, FLOOR PLAN
M1.2 BUILDING A DEMO ROOF PLAN, ROOF PLAN
M2.1 BUILDING A1 DEMO FLOOR PLAN, FLOOR PLAN
M2.2 BUILDING A1 DEMO ROOF PLAN, ROOF PLAN
M3.1 BUILDING B DEMO FLOOR PLAN, FLOOR PLAN
M3.2 BUILDING B DEMO ROOF PLAN, ROOF PLAN
M4.1 BUILDING C DEMO FLOOR PLAN, FLOOR PLAN
M4.2 BUILDING C DEMO ROOF PLAN, ROOF PLAN
M5.1 BUILDING D DEMO FLOOR PLAN, FLOOR PLAN
M5.2 BUILDING D DEMO ROOF PLAN, ROOF PLAN
M6.1 BUILDING E DEMO FLOOR PLAN, FLOOR PLAN
M6.2 BUILDING E DEMO ROOF PLAN, ROOF PLAN
M7.1 MECHANICAL DETAILS
M8.1 MECHANICAL SCHEDULES

ELECTRICAL
EG1.1 ELECTRICAL SYMBOLS, CODES AND NOTES
EG2.1 BUILDING A INDOOR LIGHTING COMPLIANCE
EG2.2 BUILDING A1 INDOOR LIGHTING COMPLIANCE
EG2.3 BUILDING B INDOOR LIGHTING COMPLIANCE
EG2.4 BUILDING C INDOOR LIGHTING COMPLIANCE
EG2.5 BUILDING D INDOOR LIGHTING COMPLIANCE
EG2.6 BUILDING E INDOOR LIGHTING COMPLIANCE
EG2.7 ELECTRICAL POWER DISTRIBUTION COMPLIANCE
EG2.8 OUTDOOR LIGHTING COMPLIANCE
ES1.1 DEMOLITION / EXISTING SITE ELECTRICAL PLAN
ES1.2 SITE ELECTRICAL PLAN
ES1.3 SITE ELECTRICAL PLAN
ES1.4 ENLARGED SITE FIRE ALARM PLAN
E1.1 BUILDING A POWER PLANS
E1.2 BUILDING A LIGHTING PLANS
E1.3 BUILDING A FIRE ALARM PLANS
E2.1 BUILDING A1 POWER PLANS
E2.2 BUILDING A1 LIGHTING PLANS
E2.3 BUILDING A1 FIRE ALARM PLANS
E3.1 BUILDING B POWER PLANS
E3.2 BUILDING B LIGHTING PLANS
E3.3 BUILDING B FIRE ALARM PLANS
E4.1 BUILDING C POWER PLANS
E4.2 BUILDING C LIGHTING PLANS
E4.3 BUILDING C FIRE ALARM PLANS
E5.1 BUILDING D POWER PLANS
E5.2 BUILDING D LIGHTING PLANS
E5.3 BUILDING D FIRE ALARM PLANS
E6.1 BUILDING E POWER PLANS
E6.2 BUILDING E LIGHTING PLANS
E6.3 BUILDING E FIRE ALARM PLANS
E7.1 FIRE ALARM SYSTEM, SPECIFICATIONS, CODES AND NOTES
E7.2 FIRE ALARM SYSTEM MAIN RISER DIAGRAMS
E7.3 PARTIAL FIRE ALARM SYSTEM RISER DIAGRAMS
E7.4 PARTIAL FIRE ALARM SYSTEM RISER DIAGRAMS
E7.5 FIRE ALARM SYSTEM VOLTAGE DROP, BATTERY AND SPEAKER dB LOSS CALCS
E7.6 FIRE ALARM SYSTEM DETAILS
E8.1 EXISTING / DEMOLITION ONE LINE DIAGRAM
E8.2 NEW ONE LINE DIAGRAM
E9.1 PANEL SCHEDULES
E9.2 PANEL SCHEDULES
E10.1 DETAILS
E10.2 DETAILS

TELECOM
TG1.1 SIGNALS DETAILS
T1.1 BUILDING A SIGNALS PLANS
T2.1 BUILDING A1 SIGNALS PLANS
T3.1 BUILDING B SIGNALS PLANS
T4.1 BUILDING C SIGNALS PLANS
T5.1 BUILDING D SIGNALS PLANS
T6.1 BUILDING E SIGNALS PLANS

THE DRAWINGS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DWGS. HAVE BEEN EXAMINED BY ME FOR DESIGN INTENT AND APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.

THE DWGS. LISTED BELOW HAVE BEEN COORDINATED WITH MY PLANS AND SPECIFICATIONS AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH HAVE BEEN DELEGATED RESPONSIBILITY FOR THIS PORTION OF WORK).

LIST OF DWGS. REVIEWED ARE ATTACHED AND LISTED BELOW:

10.29.2025
SIGNATURE OF THE ARCHITECT/ENGINEER DATE

C-33128 5.31.2027
LICENSE NUMBER EXPIRATION DATE

MODITECH, INC.
PC# 56013
APPL # 56032

0 COVER SHEET
1.0 FLOOR PLAN, ROOF PLAN, INTERIOR ELEVATIONS

SYMBOL LEGEND

	FIRE HYDRANT
⊗	WATER VALVE
	EXISTING LIGHT POLE
	SIGN
	CHAIN LINK FENCE
	FLOW ARRROW AS NOTED ON PLANS
●	MANHOLE
	GUY WIRE
0.00	PROPOSED ELEVATION
(0.00)	EXISTING ELEVATION
0.00	
0.00	

UTILITIES

E	UNDERGROUND ELECTRIC
F	FIRE LINE (WATER)
FO	UNDERGROUND FIBER OPTIC LINE
G	UNDERGROUND GAS LINE
IRR	UNDERGROUND IRRIGATION LINE
SD	STORM DRAIN
SS	SANITARY SEWER
T	UNDERGROUND TELEPHONE LINE
TV	UNDERGROUND CABLE TELEVISION LINE
W	WATER

LEGEND: WHEN USED IN THESE CIVIL DRAWINGS SHALL CONFORM TO THE ABOVE LIST, UNLESS NOTED OTHERWISE. OTHER SHEETS WITHIN THESE PLANS MAY CONTAIN SPECIFIC REFERENCES AND LEGENDS WITH INTERPRETATIONS INTENDED ONLY FOR THOSE SHEETS.

BENCHMARKS

BENCHMARKS:

CHISELED SQUARE IN TOP OF CURB, 1' WEST OF THE WEST RETURN AT THE SOUTHWEST CORNER OF MONROE DR. AND LEONI DR. BASED ON CITY BENCHMARK NO. 161 PER TOPOGRAPHIC SURVEY BY ZUMWALT AND HANSEN.

ELEV = 247.18 (CITY OF HANFORD 2004 DATUM).

TBM #1: CHISELED PLUS IN TOP OF CURB, NORTH SIDE OF DRIVE APPROACH (ENTRANCE TO PARKING LOT) WEST SIDE OF PERALTA WAY.

ELEV = 247.86 (CITY OF HANFORD 2004 DATUM).

TBM #2 CHISELED PLUS IN TOP OF CURB, EAST SIDE OF PARKING LOT DRIVE, 17'± NORTH OF BUS SIGN.

ELEV = 247.76 (CITY OF HANFORD 2004 DATUM).

CONSTRUCTION STAKING

CONSTRUCTION STAKING LIABILITY WAIVER

THESE IMPROVEMENT PLANS HAVE BEEN PREPARED WITH THE INTENT THAT THE FIRM OF LANE ENGINEERS, INC. WILL BE PERFORMING THE CONSTRUCTION STAKING FOR THE COMPLETE PROJECT, IF ANYONE OTHER THAN THE DESIGN ENGINEER IS EMPLOYED TO USE THESE PLANS FOR THE PURPOSE OF CONSTRUCTION STAKING, NOTICE IS HEREBY GIVEN THAT LANE ENGINEERS, INC. WILL NOT ASSUME ANY RESPONSIBILITY FOR ERRORS OR OMISSIONS, IF ANY, WHICH MIGHT OCCUR AND COULD HAVE BEEN AVOIDED, CORRECTED, OR MITIGATED IF THE FIRM OF LANE ENGINEERS, INC. HAD PERFORMED THE CONSTRUCTION STAKING WORK.

STANDARD GENERAL NOTES

1. THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXEMPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF ENGINEER.
2. THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION AND DEMOLISH AND/OR REMOVE FROM THE AREA OF DESIGNATED PROJECT EARTHWORK ALL STRUCTURES, BOTH SURFACE AND SUBSURFACE, TREES, BRUSH, ROOTS, DEBRIS, ORGANIC MATTER, AND ALL OTHER MATTER DETERMINED BY THE INSPECTOR TO BE DELETERIOUS. SUCH MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
3. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED AND SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE RESULTING FROM A LACK OF ADEQUATE SHORING, BRACING AND SHEETING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HE SHALL EFFECT NECESSARY REPAIRS OR RECONSTRUCTION AT HIS OWN EXPENSE. WHERE THE EXCAVATION FOR A CONDUIT TRENCH, AND/OR STRUCTURE IS FIVE FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN PERMITS NECESSARY TO PERFORM THE WORK SHOWN IN THESE PLANS FROM THE APPROPRIATE AGENCIES.
5. THE CONTRACTOR SHALL TAKE EFFECTIVE ACTION TO PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM HIS FAILURE TO DO SO.
6. THE CONTRACTOR SHALL PROVIDE FOR INGRESS AND EGRESS FOR PRIVATE PROPERTY ADJACENT TO WORK THROUGHOUT THE PERIOD OF CONSTRUCTION.
7. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR SAFETY. TRAFFIC CONTROL AND ALL TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH THE "MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE ZONES", LATEST EDITION AS PUBLISHED BY THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION.
8. THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF JOBSITE.
9. ALL RETURN RADII AND CURB DATA ARE TO FACE OF CURB UNLESS SHOWN OR NOTED OTHERWISE.
10. ALL QUANTITIES AND PAY ITEMS ARE AND WILL BE BASED ON HORIZONTAL MEASUREMENTS.
11. LENGTHS OF SANITARY SEWERS AND STORM DRAINS ARE HORIZONTAL DISTANCES FROM CENTER TO CENTER OF STRUCTURES, ROUNDED OFF TO THE NEAREST FOOT.
12. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 2 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A.), AT 1-800-227-2600. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED AND MERGED IN THE CONTRACT UNIT PRICE.
13. ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE LOCAL AGENCY ENGINEER, AT THE CONTRACTOR'S SOLE EXPENSE.
14. ANY RELOCATION OF PUBLIC UTILITIES SHALL BE CONDUCTED IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE UTILITY COMPANY, INCLUDING FEES, BONDS, PERMITS AND WORKING CONDITIONS, ETC.
15. IF ARCHAEOLOGICAL MATERIALS ARE UNCOVERED DURING GRADING, TRENCHING OR OTHER EXCAVATION, EARTHWORK WITHIN 100 FEET OF THESE MATERIALS SHALL BE STOPPED UNTIL A PROFESSIONAL ARCHAEOLOGIST WHO IS CERTIFIED BY THE SOCIETY OF CALIFORNIA ARCHAEOLOGY (SCA) AND/OR THE SOCIETY OF PROFESSIONAL ARCHAEOLOGY (SOPA) HAS HAD AN OPPORTUNITY TO EVALUATE THE SIGNIFICANCE OF THE FIND AND SUGGEST APPROPRIATE MITIGATION MEASURES, IF THEY ARE DEEMED NECESSARY.
16. LANE ENGINEERS, INC. DOES NOT SPECIFY NOR RECOMMEND THE USE OR INSTALLATION OF ANY MATERIAL OR EQUIPMENT WHICH IS MADE FROM, OR WHICH CONTAINS ASBESTOS FOR USE IN THE CONSTRUCTION OF THESE IMPROVEMENTS. ANY PARTY INSTALLING OR USING SUCH MATERIALS OR EQUIPMENT SHALL BE SOLELY RESPONSIBLE FOR ALL INJURIES, DAMAGES, OR LIABILITIES, OF ANY KIND, CAUSED BY THE USE OF SUCH MATERIALS OR EQUIPMENT. THE PROVISIONS OF THIS NOTE SHALL APPLY UNLESS THEY ARE EXPRESSLY WAIVED IN WRITING BY LANE ENGINEERS, INC..
17. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT MANGINI ASSOCIATES, INC. (559) 627-0530 FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
18. THE CONTRACTOR SHALL MEET AND FOLLOW ALL NPDES REQUIREMENTS IN EFFECT AT THE TIME OF CONSTRUCTION.
19. CONTRACTOR SHALL COMPLY WITH SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT (SJVAPCD) REGULATION VIII TO LIMIT FUGITIVE DUST.
20. APPROPRIATE APPROVAL SHALL BE OBTAINED PRIOR TO PROCEEDING WITH ANY WORK IN THE VICINITY OF IRRIGATION DITCHES, CREEKS AND ASSOCIATED IRRIGATION FACILITIES WHETHER OR NOT SHOWN ON THESE PLANS.

CIVIL ABBREVIATIONS

&	AND
@	AT
℄	CENTERLINE
Ø	DIAMETER OR ROUND
⊥	PERPENDICULAR
#	POUND OR NUMBER
( )	EXISTING DATA
N	NORTH
S	SOUTH
W	WEST
E	EAST
AB	AGGREGATE BASE
ABV	ABOVE
AC	ASPHALT CONCRETE
ACC	ACCESSIBLE
ACP	ASBESTOS CEMENT PIPE
AD	AREA DRAIN
ADJ	ADJUSTABLE
ADJT	ADJACENT
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
BC	BEGINNING OF CURVE
BCR	BEGINNING OF CURB RETURN
BLDG	BUILDING
BM	BENCH MARK
BO	BLOW OFF
BOT	BOTTOM
BTWN	BETWEEN
BW	BOTH WAYS
C	TOP OF CONCRETE
CB	CATCH BASIN
CEM	CEMENT
CF	CUBIC FOOT
CI	CAST IRON
CIP	CAST IRON PIPE
CIPC	CAST-IN-PLACE CONCRETE
CIR	CIRCLE
CJ	CONTROL JOINT
CAP	CORRUGATED ALUMINUM PIPE
CMP	CORRUGATED METAL PIPE
CSP	CORRUGATED STEEL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COR	CORNER
CR	CROWN
CY	CUBIC YARD
D	DRAIN
DA	DRIVE APPROACH
DEM	DEMOLISH, DEMOLITION
DET	DETAIL
DI	DRAIN OR DROP INLET
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DN	DOWN
DWG	DRAWING
E	EAST
EA	EACH
EC	END OF CURVE
ECR	END OF CURB RETURN
EJ	EXPANSION JOINT
ELEV	ELEVATION
ENCL	ENCLOSURE
EP	EDGE OF PAVEMENT
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
ETW	EDGE OF TRAVEL WAY
EXCA	EXCAVATE
EXIST	EXISTING
FD	FOUND
FES	FLARED END SECTION
FF	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FNC	FENCE
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BREAK
GC	GRADE CHANGE
GI	GALVANIZED IRON
GR	TOP OF GRATE
GRD	GRADE, GRADING
GV	GATE VALVE
HORIZ	HORIZONTAL
HP	HINGE POINT
HPT	HIGH POINT
HW	HEADWALL
HWL	HIGH WATER LINE
ID	INSIDE DIAMETER
INCL	INCLUDE(D), INCLUDING
INV	INVERT
JB	JUNCTION BOX
JT	JOINT
L	LEFT
LP	LOW POINT
LT	LIGHT
M	METER(S)
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDIUM
MET	METAL
MFR	MANUFACTURER
MH	MAN HOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MM	MILLIMETER(S)
MTL	MATERIAL
MTR	METER
N	NORTH
NE	NORTH EAST
NAT	NATURAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OG	ORIGINAL GROUND
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
P	TOP OF PAVING
PAR	PARALLEL
PC	PROPERTY CORNER
PCC	POINT OF COMPOUND CURVATURE
PERI	PERIMETER
PK	PARKING
P/L	PROPERTY LINE
POC	POINT OF CONNECTION
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PRKG	PARKING
PROP	PROPERTY
PT	POINT
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
R	RIDGE
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RDR	ROOF DRAIN
REF	REFERENCE
REQD	REQUIRED
RET	RETURN
RETG	RETAINING
REV	REVISION
RP	RADIUS POINT
RR	RAILROAD
RT	RIGHT
R/W	RIGHT OF WAY
RWC	RAINWATER CONDUCTOR
RWL	RAINWATER LEADER
S	SOUTH
SCHED	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SEC	SECTION
SERV	SERVICE
SF	SQUARE FOOT
SG	FINISHED SUBGRADE
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
SSDMH	SANITARY SEWER DROP MANHOLE
SSTL	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SW	SWALE
SYM	SYMETRICAL
T&B	TOP AND BOTTOM
TB	TOP OF BERM
TBM	TEMPORARY BENCH MARK
TC	TOP OF CURB
TD	TOP OF DIKE
TEL	TELEPHONE
TEMP	TEMPORARY
TER	TOP OF EAST RAIL
TF	TOP OF FOOTING
TH	TOP OF REDWOOD HEADER
THK	THICK(NESS)
TM	TOP OF MOW STRIP
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TNR	TOP OF NORTH RAIL
TR	TOP OF RAIL
TRK	TOP OF ROCK
TSL	TOP OF SLAB
TSR	TOP OF SOUTH RAIL
TW	TOP OF WALL
TWR	TOP OF WEST RAIL
TYP	TYPICAL
UGD	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST
W/	WITH
W/O	WITHOUT
WD	WOOD
WHB	WHEEL BUMPER
WM	WATER METER
WP	WORKING POINT
WTR	WATER
WV	WATER VALVE

ABBREVIATIONS: WHEN USED IN THESE CIVIL DRAWINGS SHALL CONFORM TO THE ABOVE LIST, UNLESS NOTED OTHERWISE. OTHER SECTIONS (SUCH AS ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL PLANS) MAY CONTAINSPECIFIC REFERENCES AND LEGENDS WITH INTERPRETATIONS INTENDED ONLY FOR THOSE SECTIONS.

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-23128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
NA VANG
R.C.E. 73146
10/23/2025
CIVIL
STATE OF CALIFORNIA

CONSULTANT

LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
979 N. BLACKSTONE
TULARE, CALIFORNIA 93274
(559) 688-5263

MANGINI ARCHITECTURE INGENUITY

MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291

www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
CIVIL COVERSHEET

C0.1

PROJECT 24043

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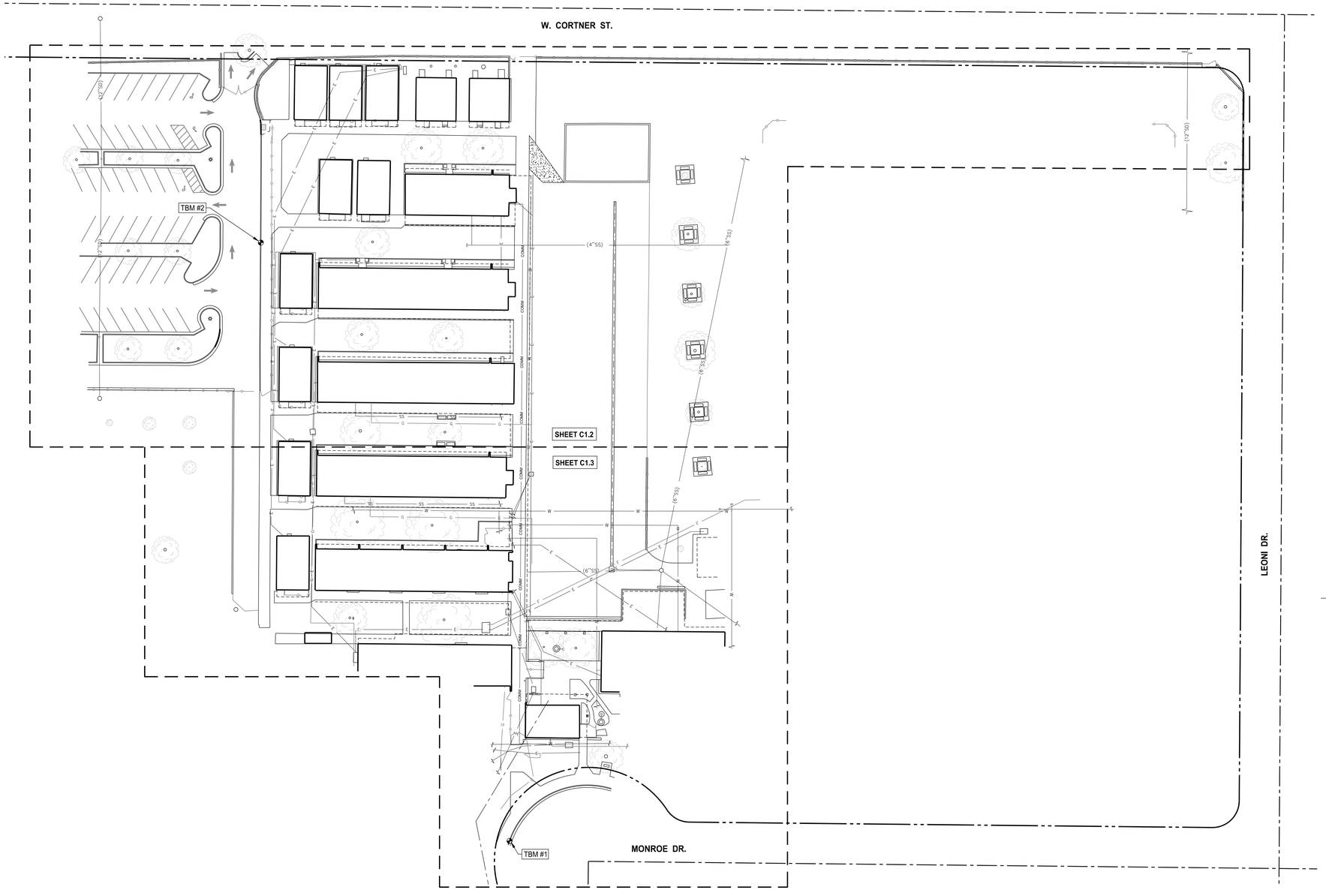

NORTH

GRAPHIC SCALE

40 0 20 40 80

1 INCH = 40 FT.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 4, NAD 83, AS DETERMINED BY GPS OBSERVATIONS RELATIVE TO THE CALIFORNIA SURVEYING AND DRAFTING, INC. VIRTUAL SURVEY NETWORK, EPOCH DATE 2011.

LEGAL DESCRIPTION:

SITUATED IN A PORTION OF THE NORTHWEST QUARTER OF SECTION 24, TOWNSHIP 18 SOUTH, RANGE 21 EAST, MOUNT DIABLO BASE AND MERIDIAN IN THE CITY OF HANFORD, COUNTY OF KINGS, STATE OF CALIFORNIA.
APN 008-301-008

BOUNDARY NOTE:

PROPERTY LINES SHOWN ARE BASED ON RECORD DATA AND FOUND MONUMENTS.

BENCHMARKS:

CHISELED SQUARE IN TOP OF CURB, 1' WEST OF THE WEST RETURN AT THE SOUTHWEST CORNER OF MONROE DR. AND LEONI DR. BASED ON CITY BENCHMARK NO. 161 PER TOPOGRAPHIC SURVEY BY ZUMWALT AND HANSEN.

ELEV = 249.25 (CITY OF HANFORD DATUM)

TBM #1: CHISELED PLUS IN TOP OF CURB ON THE WEST SIDE OF THE BULB AT MONROE DR. & PERALTA WAY.

ELEV = 247.86 (CITY OF HANFORD DATUM)

TBM #2: CHISELED PLUS IN TOP OF CURB, EAST SIDE OF PARKING LOT, 230'± SOUTH OF THE CENTERLINE OF W. CORTNER ST.

ELEV = 247.76 (CITY OF HANFORD DATUM)

DATE OF SURVEY NOTE:

FIELD WORK FOR THIS TOPOGRAPHIC SURVEY WAS COMPLETED ON MAY 16, 2025.

FLOOD HAZARD ZONE X (UNSHADED)

AS DELINEATED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP (MAP NUMBER 06031C0185C) FOR COMMUNITY NO. 060088, CITY OF HANFORD, KINGS COUNTY, CALIFORNIA, EFFECTIVE JUNE 16, 2009, THE PROPERTY SHOWN ON THIS MAP LIES FULLY WITHIN FLOOD ZONE AREA DESIGNATED ZONE X (UNSHADED), WHICH ARE AREAS OUTSIDE OF 0.2% ANNUAL CHANCE FLOODING.

UNDERGROUND UTILITY NOTE:

THE EXISTING UNDERGROUND UTILITY LINES SHOWN ARE BASED ON THE LOCATION OF VISIBLE SURFACE IMPROVEMENTS, AND RECORD DRAWINGS PROVIDED BY THE SCHOOL DISTRICT. ALTHOUGH EVERY EFFORT HAS BEEN MADE TO ACCURATELY SHOW THE UNDERGROUND UTILITY LINES, IT WILL BE NECESSARY TO CONFIRM THE LOCATIONS BY NOTIFYING UNDERGROUND SERVICE ALERT.

TELEPHONE U.S.A. AT 811 PRIOR TO DIGGING. THE DEPTHS OF ALL LINES MUST BE DETERMINED BY CAREFULLY PROBING OR POTHOLING UNDER UTILITY COMPANY SUPERVISION.

LEGEND

x 90.11	ORIGINAL GROUND ELEVATION (UNLESS NOTED OTHERWISE)
APX FF	CONCRETE ELEVATION MEASURED ADJACENT TO LOCKED DOOR
C	TOP OF CONCRETE
CLF	CHAIN LINK FENCE
DI	DRAIN INLET
EP	EDGE OF PAVEMENT
FF	FINISH FLOOR ELEVATION
FL	FLOW LINE
G	GRAVEL
GR	TOP OF GRATE
P	TOP OF PAVEMENT
TC	TOP OF CURB
TW	TOP OF WALL

SIGNS

SIGN	SIGN AS NOTED
HC	HANDICAP SIGN

WET UTILITIES

DI OR DI	DRAIN INLET
DF	DRINKING FOUNTAIN
FDR	CURB FACE DRAIN
HB	HOSE BIBB
ICV OR ICV	IRRIGATION CONTROL VALVE
IRR	IRRIGATION VALVE
RD	ROOF DRAIN
SSCO	SANITARY SEWER CLEAN OUT
WM	WATER METER
WV	WATER VALVE
MH	MANHOLE

DRY UTILITIES

CTV	CABLE TELEVISION
SIG	SIGNAL BOX
ELEC OR ELEC	ELECTRICAL BOX
GASM	GAS METER

GENERAL SYMBOLS

TBM	TEMPORARY BENCH MARK
GP	GUARD POST TO SCALE
	AREA LIGHT
	DECIDUOUS TREE TRUNK AND CANOPY DRAWN TO SCALE

UTILITY LINETYPES

COMM	COMMUNICATION
E	ELECTRICAL
F	FIRE
G	GAS
SD	STORM DRAIN
SS	SANITARY SEWER
W	WATER

LEGEND NOTE:

"W-" PRECEDING A UTILITY ANNOTATION SHOWN ON PLAN INDICATES SAID UTILITY IS WALL MOUNTED.

EXAMPLE: W-CNDT WALL MOUNTED CONDUIT & BOX

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

Project
MODERNIZATION OF MONROE ELEMENTARY SCHOOL

300 MONROE DRIVE
HANFORD, CA.

Prepared For
HANFORD ELEMENTARY SCHOOL DISTRICT

LANE ENGINEERS, INC.
CIVIL • STRUCTURAL • SURVEYING

979 North Blackstone Street
Tulare, California 93274
559.688.5263
www.laneengineers.com

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Professional Seal

LICENSED LAND SURVEYOR
Benjamin R. Mullins
No. 9227
STATE OF CALIFORNIA
08/05/2025

Description	Release Date

No.	Revision	Date

Drawn by: BAS

Reviewed by: DRD/BRM

Sheet Title
PARTIAL TOPOGRAPHIC SURVEY

Original drawing is 24 x 36. Do not scale contents of this drawing.

Sheet Number
C1.1

OF 3

Project No: 24289.1

J:\Jobs\2024\24289.1\Dwg\Topo.dwg
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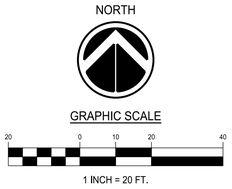

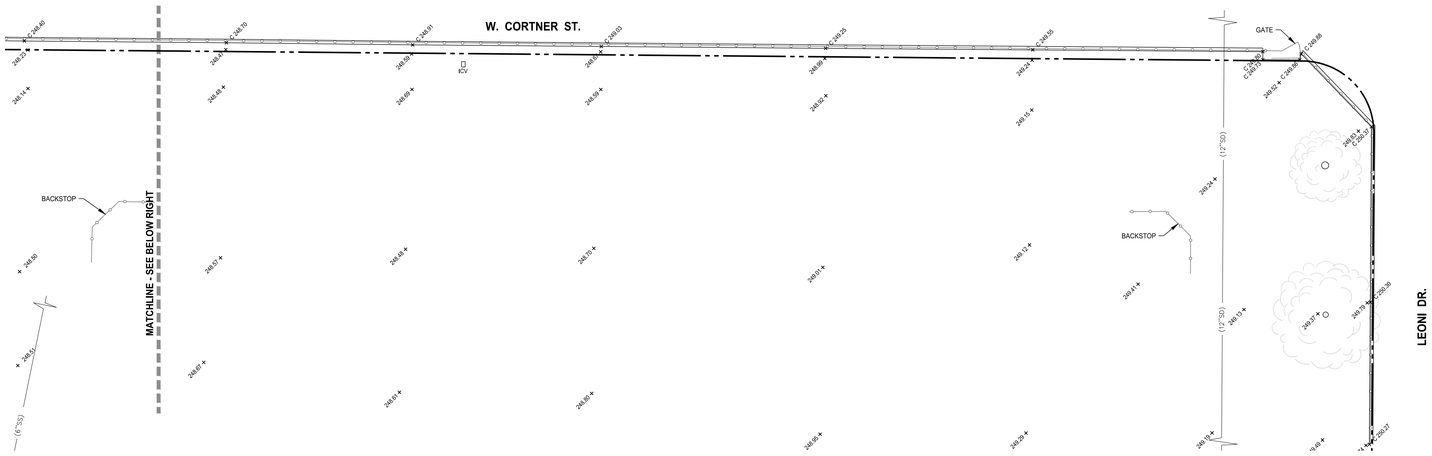

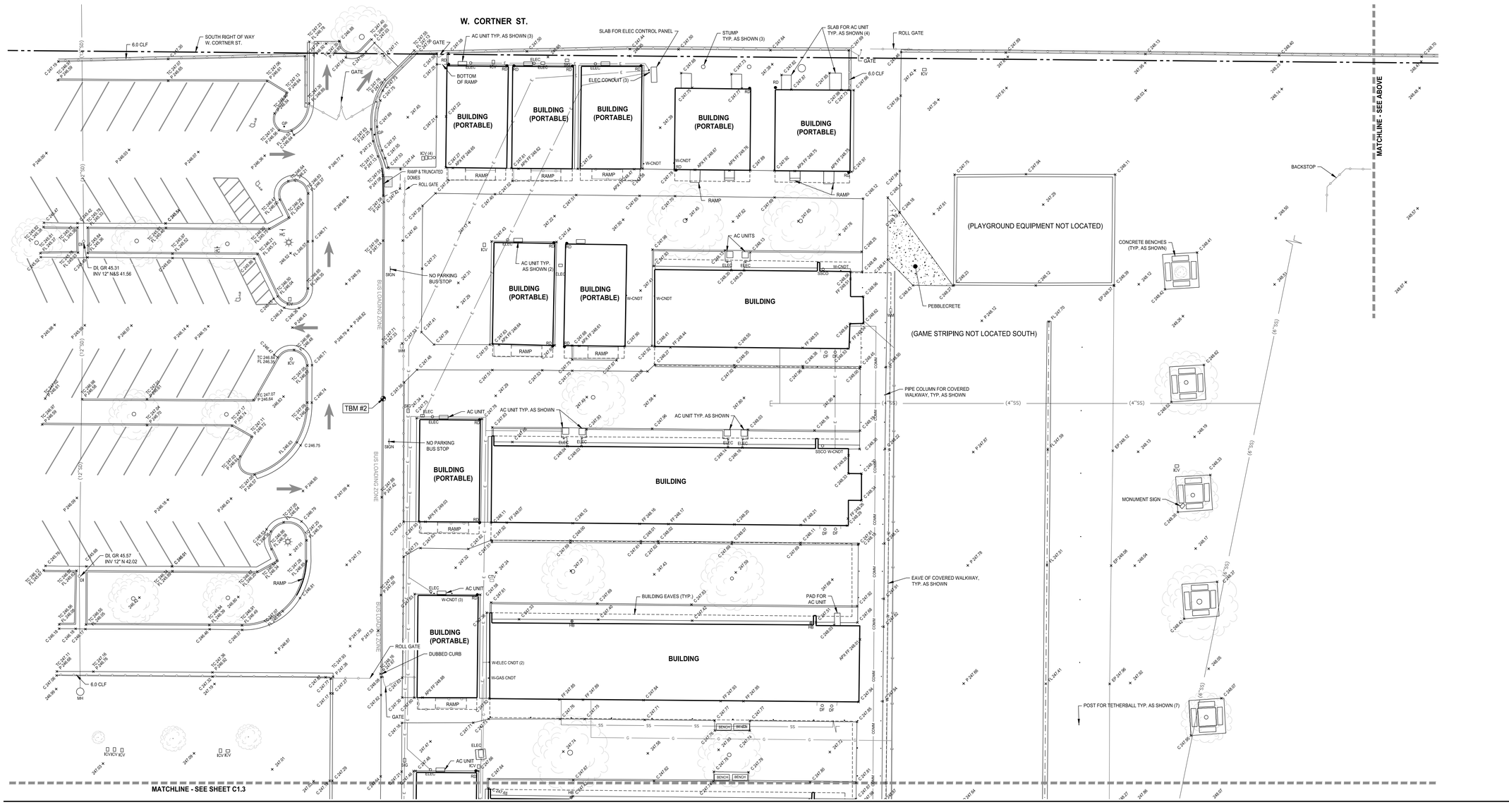

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STATE OF CALIFORNIA
08/05/2025

Description	Release Date

No.	Revision	Date

Drawn by: BAS

Reviewed by: DRD/BRM

Sheet Title
PARTIAL TOPOGRAPHIC SURVEY

Original drawing is 24 x 36. Do not scale contents of this drawing.

Sheet Number
C1.2

OF 3

Project No: 24289.1

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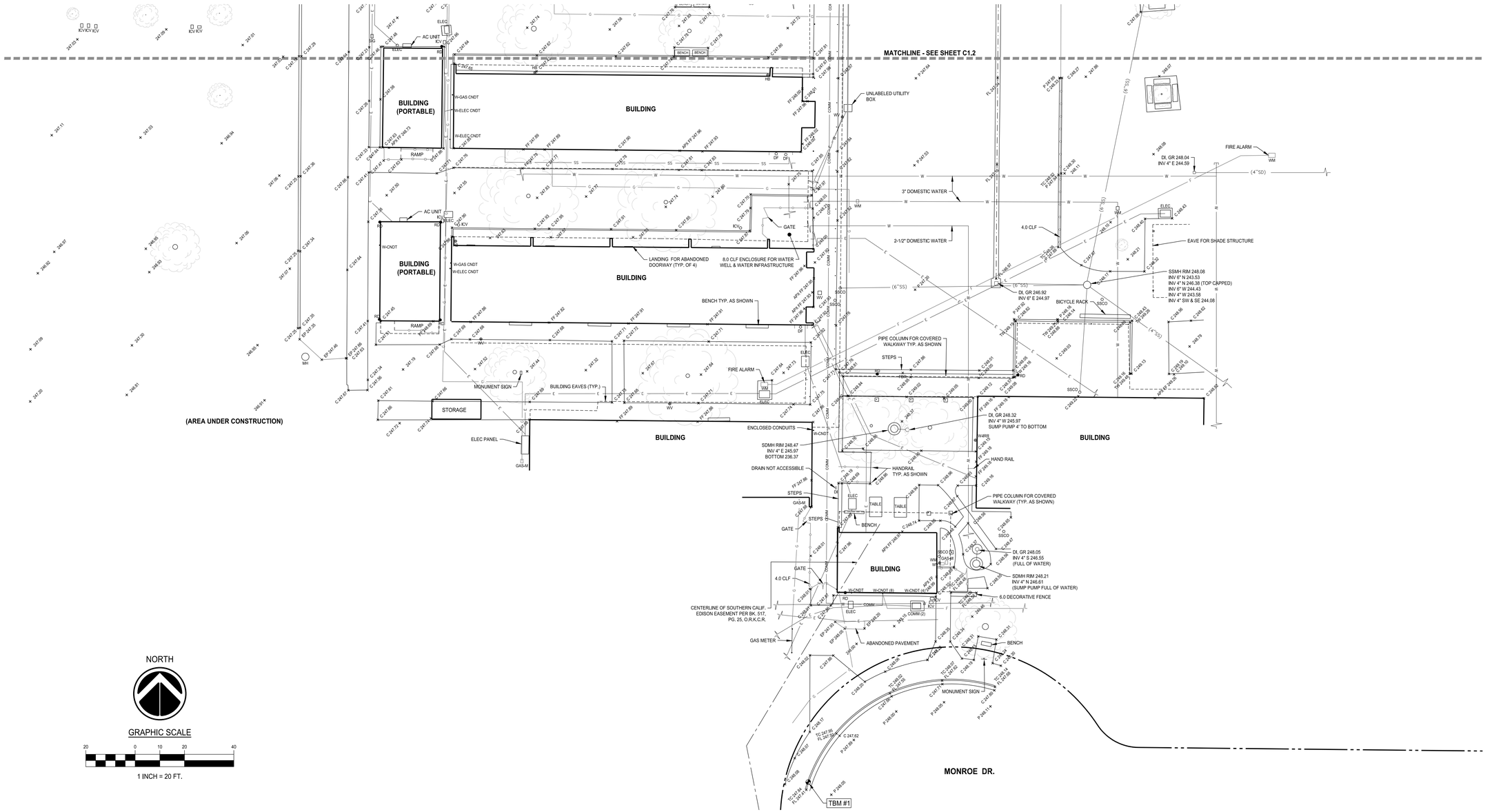

NORTH

GRAPHIC SCALE

20 0 10 20 40

1 INCH = 20 FT.

J:\Jobs\2024\24289.1\Dwg\Topo.dwg

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IDENTIFICATION STAMP
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STATE OF CALIFORNIA
08/05/2025

Description	Release Date

No.	Revision	Date

Drawn by: BAS

Reviewed by: DRD/BRM

Sheet Title
PARTIAL TOPOGRAPHIC SURVEY

Original drawing is 24 x 36. Do not scale contents of this drawing.

Sheet Number
C1.3

OF 3

Project No: 24289.1

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-27128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

GRADING NOTES

1. REFER TO SHEETS C0.1 FOR BENCHMARKS, GENERAL NOTES & INFORMATION.
2. UNLESS SHOWN OR NOTED OTHERWISE, WHERE FINISH GRADE ABUTS CONCRETE PAVEMENTS/BACK OF CURBS, FINISH GRADE ELEVATION SHALL BE 2 INCH LOWER THAN ADJACENT CONCRETE ELEVATION IN SHRUB AREAS AND 1 INCH LOWER IN TURF AREAS.
3. CROSS SLOPE AT ALL PEDESTRIAN WALKS AND SIDEWALKS SHALL BE 1% MIN., BUT SHALL NOT EXCEED 2.0%.
4. FINISHED PAVEMENT SLOPES AT ALL ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2.0% IN ANY DIRECTION.
5. EXTERIOR CONCRETE SHALL BE FLUSH WITH FINISHED FLOOR AT ALL EXTERIOR DOORS.
6. FIELD VERIFY ALL ELEVATIONS SHOWN WHERE PROPOSED IMPROVEMENTS ABUT EXISTING IMPROVEMENTS. IMMEDIATELY NOTIFY PROJECT ARCHITECT OF ANY DISCREPANCIES.
7. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL SITE INFORMATION AND DETAILS.
8. ALL EXISTING VALVE BOXES AND MANHOLES TO REMAIN SHALL BE ADJUSTED AS REQUIRED SO THAT THE TOP OF COVERS ARE FLUSH WITH FINISH GRADES.
9. ALL IMPERVIOUS SURFACES ADJACENT TO BUILDING SHALL HAVE 1% MINIMUM AND 2% MAX SLOPE AWAY FROM BUILDINGS.

LEGEND

- RIGHT OF WAY/PROPERTY LINE
- ROAD CENTERLINE
- NEW CONCRETE FLATWORK & OTHER CONCRETE SURFACE. SEE ARCHITECTURAL DRAWINGS
- NEW DECOMPOSED GRANITE SURFACE. SEE ARCHITECTURAL DRAWINGS

BUILDING N (PORTABLE)
BUILDING M (PORTABLE)
BUILDING T (PORTABLE)
BUILDING J (PORTABLE)
BUILDING H (PORTABLE)
BUILDING K (PORTABLE)
BUILDING E
BUILDING D

A C3.4
41 C7.1

UNIFORMLY GRADE TO LINES & ELEVATIONS SHOWN, TYP.
SEE GRADING NOTE NO. 2 THIS SHEET FOR FG ELEVATION AT CONCRETE IMPROVEMENTS, TYP. U.N.O.
NEW CONCRETE SHALL BE FLUSH WITH EXISTING FINISHED FLOOR ELEVATION AT ALL EXTERIOR DOORS, TYP. U.N.O.
WARP CONCRETE AS REQUIRED TO MATCH EXISTING GRADES
FINISHED CONCRETE ELEVATION FLUSH WITH EXISTING TOP OF CURB
PROTECT EXISTING DRINKING FOUNTAINS & HANDRAILS
NEW FENCING, SEE ARCH. DWGS
SEE GRADING NOTE NO. 8, TYP.
MATCH LINE - SEE SHEET C3.2
(GAME STRIPING NOT LOCATED SOUTH

NORTH

GRAPHIC SCALE
10 0 5 10 20
1 INCH = 10 FT.

GRADING AND DRAINAGE PLAN

REGISTERED PROFESSIONAL ENGINEER
WA YANG
R.C.E. 73146
10/23/2025
CIVIL
STATE OF CALIFORNIA

CONSULTANT
LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
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TULARE, CALIFORNIA 93274
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MODERNIZATION AT MONROE ELEMENTARY SCHOOL
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HANFORD, KINGS COUNTY, CA

REVISIONS

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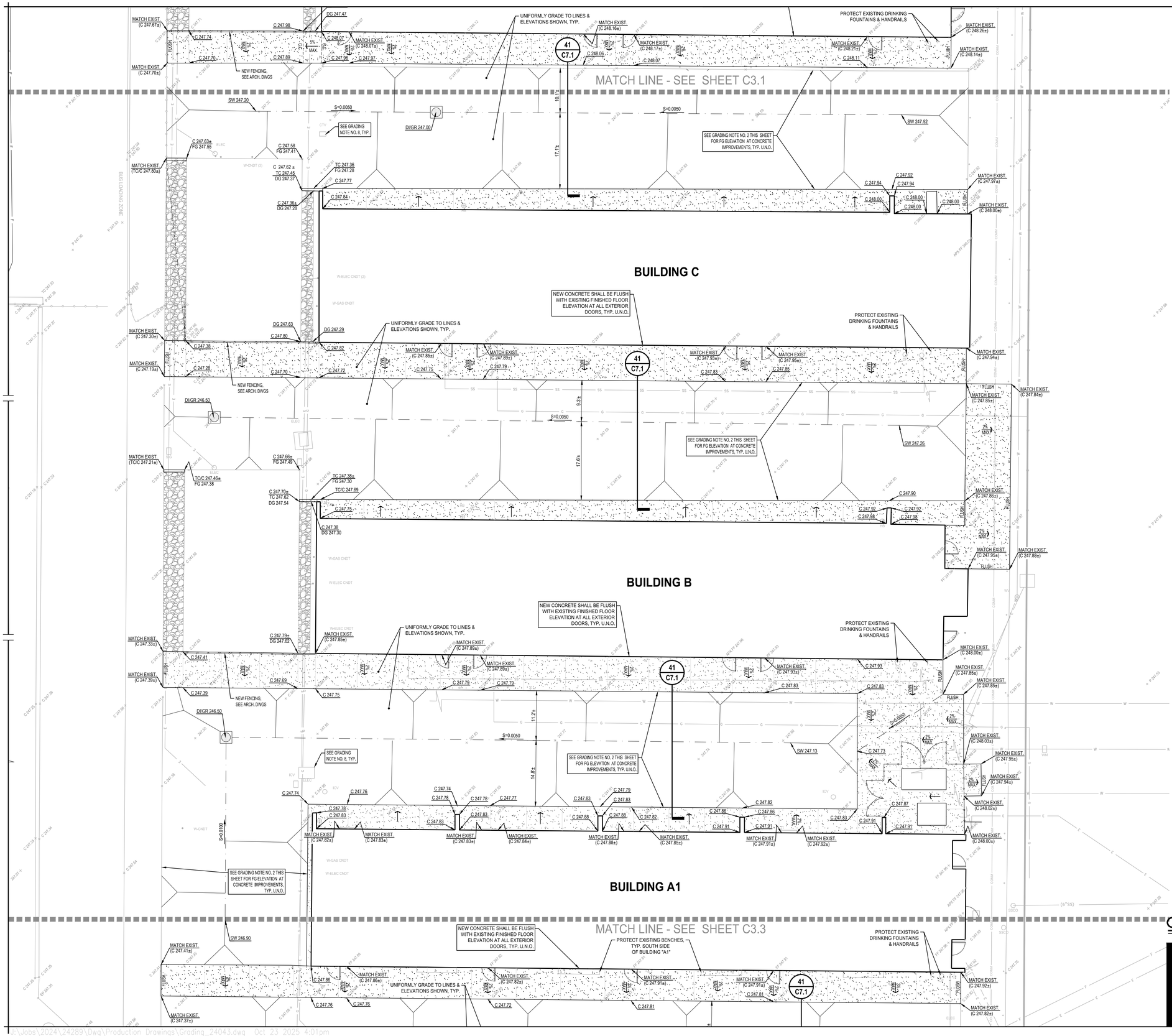
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
GRADING AND DRAINAGE PLAN

C3.1

PROJECT 24043

LANE PROJ. NO. 24289



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- ROAD CENTERLINE
- NEW CONCRETE FLATWORK & OTHER CONCRETE SURFACE. SEE ARCHITECTURAL DRAWINGS
- NEW DECOMPOSED GRANITE SURFACE. SEE ARCHITECTURAL DRAWINGS

NORTH

GRAPHIC SCALE

10 0 5 10 20

1 INCH = 10 FT.

GRADING AND DRAINAGE PLAN

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MONROE
No. C-27128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
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Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-3926 Fax

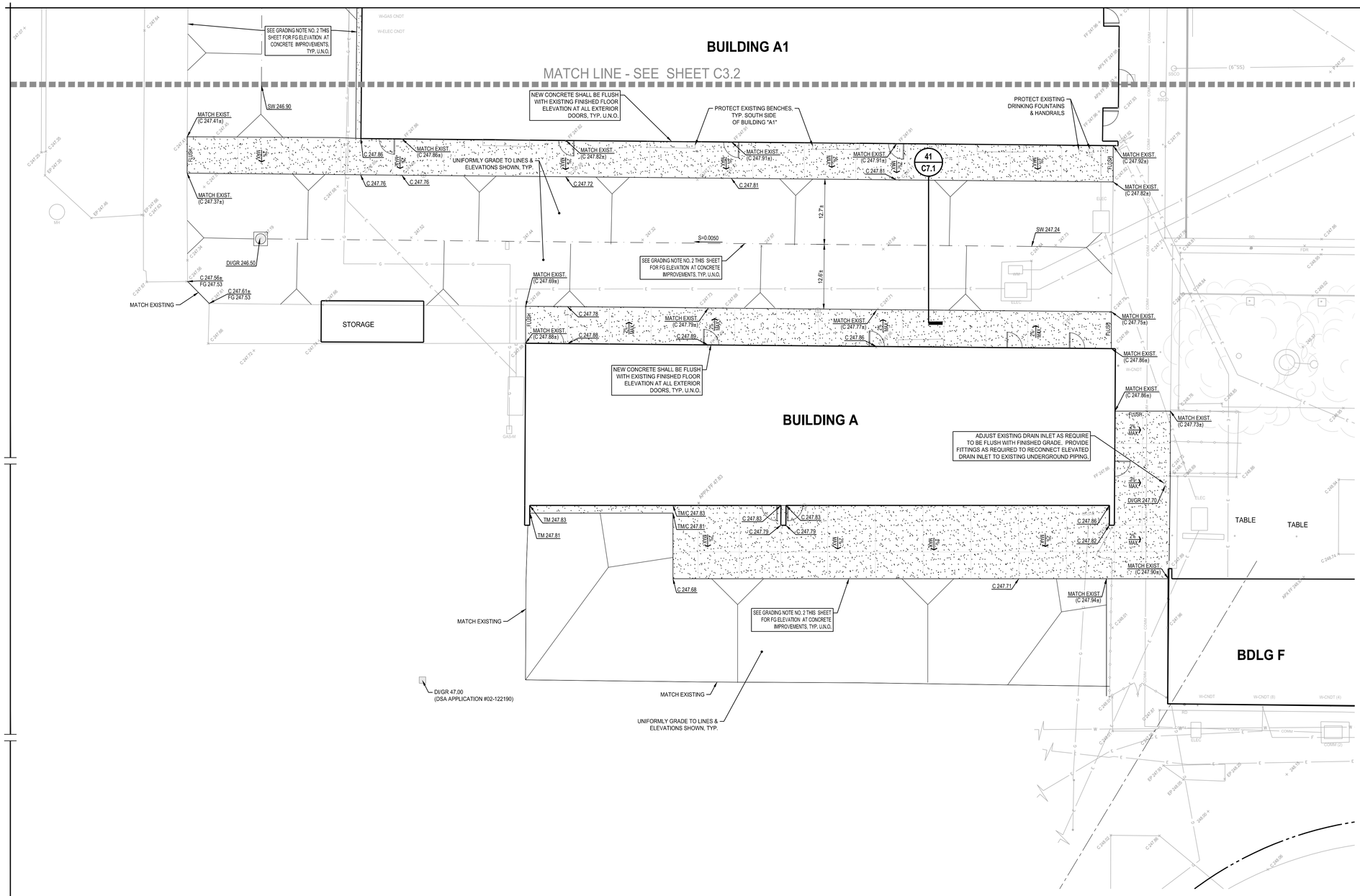
TITLE
GRADING AND DRAINAGE PLAN

C3.2

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
NA VANG
R.C.E. 73146
10/23/2025
CIVIL
STATE OF CALIFORNIA

CONSULTANT
LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
979 N. BLACKSTONE
TULARE, CALIFORNIA 93274
(559) 688-5263



GRADING NOTES

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LEGEND

- RIGHT OF WAY/PROPERTY LINE
- ROAD CENTERLINE
- NEW CONCRETE FLATWORK & OTHER CONCRETE SURFACE. SEE ARCHITECTURAL DRAWINGS
- NEW DECOMPOSED GRANITE SURFACE. SEE ARCHITECTURAL DRAWINGS

NORTH

GRAPHIC SCALE

10 0 5 10 20

1 INCH = 10 FT.

GRADING AND DRAINAGE PLAN

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MONROE
No. C-27128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
RA. VANG
R.C.E. 73146
10/23/2025
CIVIL
STATE OF CALIFORNIA

CONSULTANT
LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
979 N. BLACKSTONE
TULARE, CALIFORNIA 93274
(559) 688-5263

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(559) 627-0530 Office
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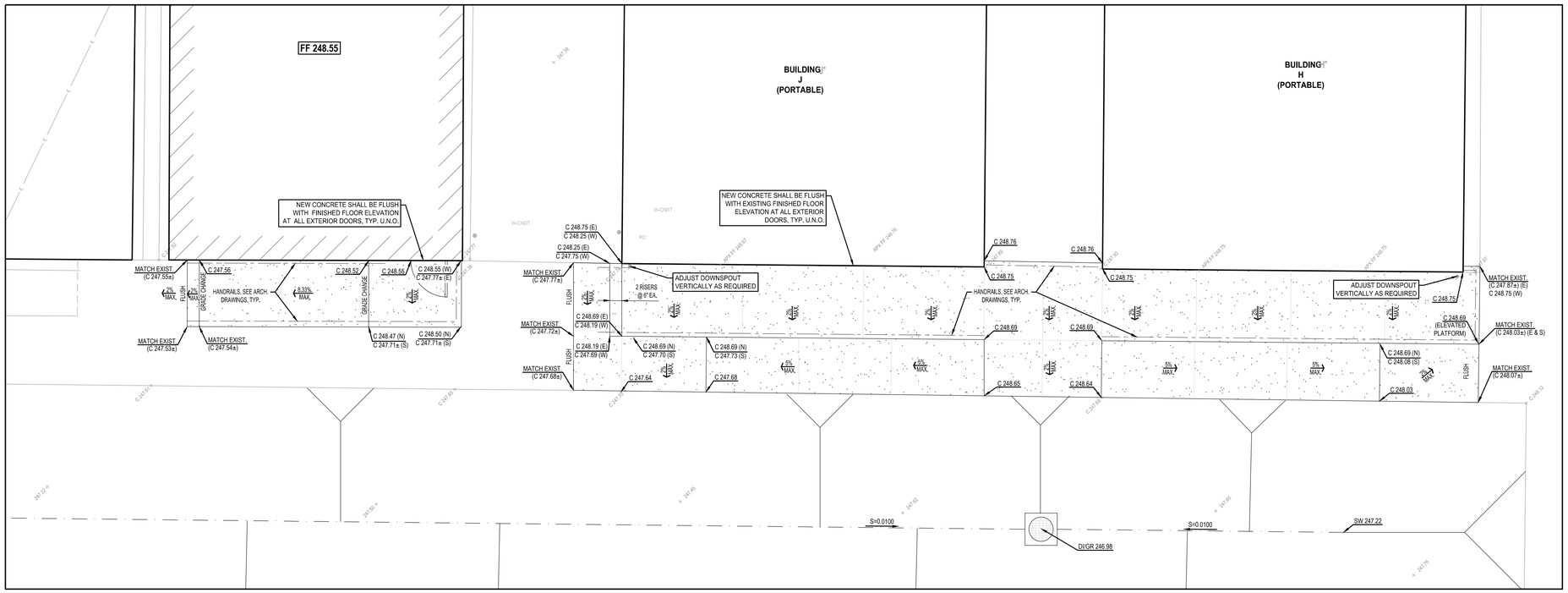
TITLE
GRADING AND DRAINAGE PLAN

C3.3

PROJECT 24043



A ENLARGED GRADING

SCALE: 1"=5

NORTH

GRADING NOTES

1. REFER TO SHEETS C0.1 FOR BENCHMARKS, GENERAL NOTES & INFORMATION.
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9. ALL IMPERVIOUS SURFACES ADJACENT TO BUILDING SHALL HAVE 1% MINIMUM AND 2% MAX SLOPE AWAY FROM BUILDINGS.

LEGEND

- RIGHT OF WAY/PROPERTY LINE
- ROAD CENTERLINE
- NEW CONCRETE FLATWORK & OTHER CONCRETE SURFACE. SEE ARCHITECTURAL DRAWINGS
- NEW DECOMPOSED GRANITE SURFACE. SEE ARCHITECTURAL DRAWINGS

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

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No. C-27128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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TITLE
ENLARGED GRADING DETAILS

C3.4

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
WA YANG
R.C.E. 73146
10/23/2025
CIVIL
STATE OF CALIFORNIA

CONSULTANT

LANE ENGINEERS INC.
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APPROVALS

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LICENSED ARCHITECT
JAMES R. MONROE
No. C 27128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

NOTES

1. REFER TO SHEETS C0.1 FOR BENCHMARKS, GENERAL NOTES & INFORMATION.
2. SEE ARCHITECTURAL DWGS. FOR ADDITIONAL SITE INFORMATION AND DETAILS. SEE PLUMBING DRAWINGS FOR ADDITIONAL WET UTILITY PIPING.
3. ALL STORM DRAIN PIPING AND LATERALS SHALL HAVE A MINIMUM OF 3' OF COVER.
4. ALL TRENCHES ON-SITE SHALL BE BACKFILLED IN ACCORDANCE WITH DETAIL 21/C7.1, 22/C7.1 OR 23/C7.1.
5. ANY EXISTING IRRIGATION SYSTEMS THAT ARE DAMAGED OR REMOVED DUE TO NEW STORM DRAIN PIPE INSTALLATION SHALL BE REPAIR/REPLACED AS REQUIRED.
6. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, PIPE SLOPES, FITTINGS, ETC., WHICH MAY BE REQUIRED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THESE DRAWINGS AND FURNISH ALL FITTINGS, ETC. NECESSARY TO COMPLETE A FULLY FUNCTIONAL PIPING SYSTEM AND AVOID ANY CONFLICTS WITH OTHER UTILITIES.

LEGEND

- RIGHT OF WAY/PROPERTY LINE
- ROAD CENTERLINE
- SD — NEW STORM DRAIN PIPING
- NEW CONCRETE FLATWORK & OTHER CONCRETE SURFACE. SEE ARCHITECTURAL DRAWINGS
- NEW DECOMPOSED GRANITE SURFACE. SEE ARCHITECTURAL DRAWINGS

CONSTRUCTION KEYNOTES (SHEETS C4.1 & C4.2)

1. SAWCUT EXISTING CONCRETE/A.C. PAVEMENT TO A CLEAN VERTICAL EDGE.
   SHOWN THUS: - - - - - -
2. LOCATE AND VERIFY PIPE INVERT ELEVATIONS FOR EXISTING STORM DRAIN PIPING. CONSTRUCT NEW STORM DRAIN MANHOLE AT EXISTING STORM DRAIN PIPE. CONNECT NEW/EXISTING STORM DRAIN PIPE TO SDMH. NOTIFY ARCHITECT OF RECORD SHOULD LOCATION & ELEVATIONS OF EXISTING STORM DRAIN PIPES ARE DIFFERENT THAN WHAT'S SHOWN ON THESE PLANS.
3. CONSTRUCT PLANTER DRAIN INLET. SEE DETAILS 11/C7.1.
4. CONSTRUCT LARGE DRAIN INLET SEE DETAIL 13/C7.1.
5. CONSTRUCT STORM DRAIN MANHOLE (48" I.D. SHAFT). SEE DETAILS 32/C7.1, 34/C7.1 & 24/C7.1.
6. REMOVE ASPHALT PAVEMENT FOR S.D. PIPELINE. SEE DETAIL 21/C7.1 FOR TRENCH BACKFILL AND SURFACE REPAVING REQUIREMENTS.
   TRENCH BACKFILL AND ASPHALT REPAVING SHOWN THUS:
7. REMOVE CONCRETE SURFACE FOR S.D. PIPELINE. SEE DETAIL 22/C7.1 FOR TRENCH BACKFILL AND SURFACE REPAIR REQUIREMENTS.
   TRENCH BACKFILL AND CONCRETE REPAIR SHOWN THUS:
8. WHERE NEW STORM DRAIN INFRASTRUCTURE ARE LOCATED IN EXISTING TURF AREAS, CONTRACTOR TO SHALL REPLACE TURF WITH NEW SOD TO MATCH EXISTING. CONTRACTOR SHALL REPAIR ANY IRRIGATION LINES AS REQUIRED TO MATCH EXISTING SHOULD IT BE DAMAGED DUE TO NEW IMPROVEMENTS.
   TRENCH BACKFILL & LANDSCAPING REPAIR AREA SHOWN THUS:
9. REPAINT PAVEMENT STRIPS MATCHING EXISTING AS REQUIRED.
10. FIRE LANE: REMOVE CONCRETE SURFACE FOR S.D. PIPELINE. SEE DETAIL 43/C7.1 FOR TRENCH BACKFILL AND SURFACE REPAIR REQUIREMENTS.
    TRENCH BACKFILL AND CONCRETE REPAIR SHOWN THUS:

NORTH

GRAPHIC SCALE
20 0 10 20 40
1 INCH = 20 FT.

STORM DRAIN PLAN

REGISTERED PROFESSIONAL ENGINEER
WA YANG
R.C.E. 73146
10/23/2025
CIVIL
STATE OF CALIFORNIA

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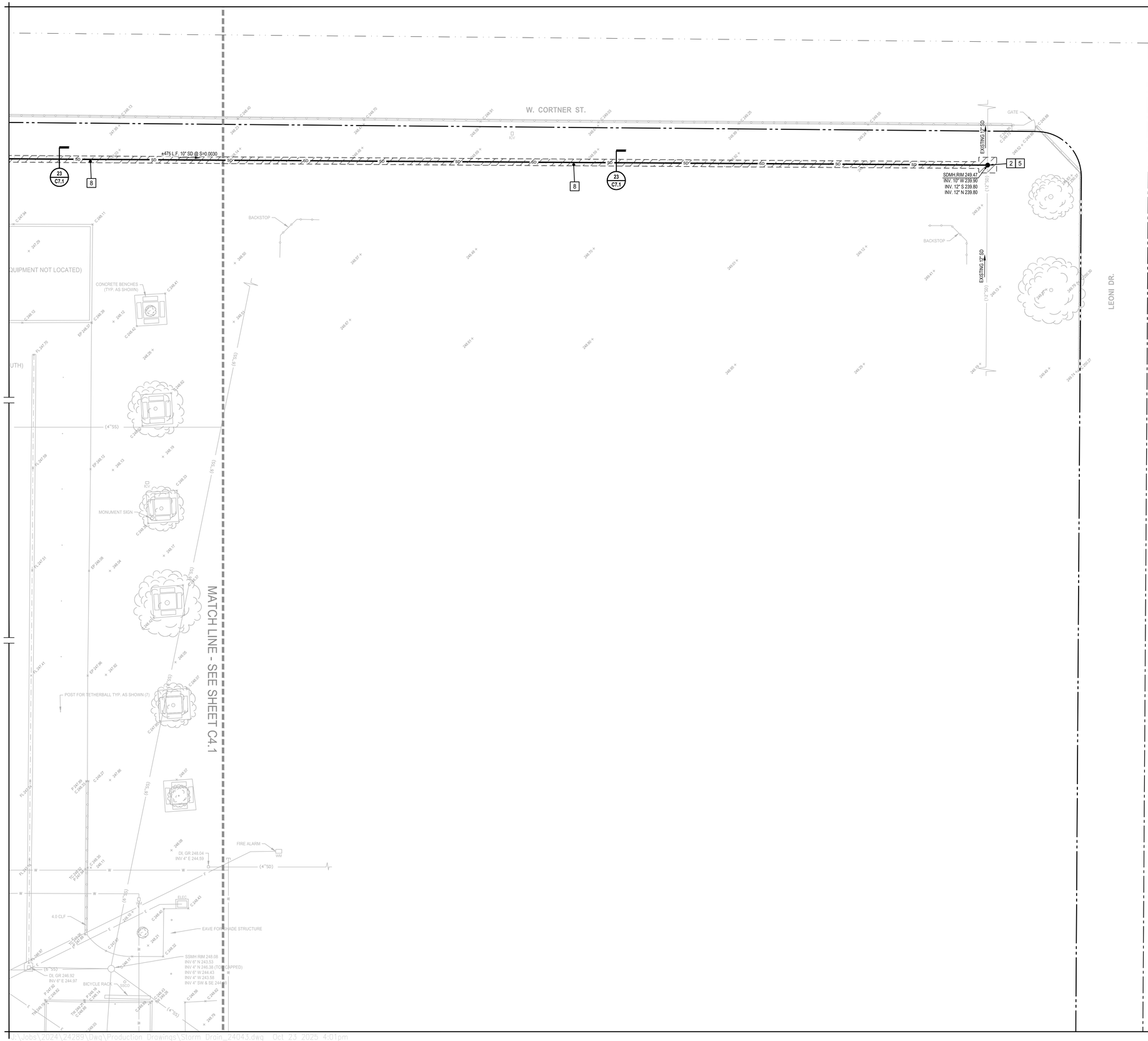
TITLE
STORM DRAIN PLAN

C4.1

PROJECT 24043

LANE PROJ. NO. 24289



NOTES

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2. SEE ARCHITECTURAL DWGS. FOR ADDITIONAL SITE INFORMATION AND DETAILS. SEE PLUMBING DRAWINGS FOR ADDITIONAL WET UTILITY PIPING.
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4. ALL TRENCHES ON-SITE SHALL BE BACKFILLED IN ACCORDANCE WITH DETAIL 21/C7.1, 22/C7.1 OR 23/C7.1.
5. ANY EXISTING IRRIGATION SYSTEMS THAT ARE DAMAGED OR REMOVED DUE TO NEW STORM DRAIN PIPE INSTALLATION SHALL BE REPAIR/REPLACED AS REQUIRED.
6. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, PIPE SLOPES, FITTINGS, ETC., WHICH MAY BE REQUIRED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THESE DRAWINGS AND FURNISH ALL FITTINGS, ETC. NECESSARY TO COMPLETE A FULLY FUNCTIONAL PIPING SYSTEM AND AVOID ANY CONFLICTS WITH OTHER UTILITIES.

LEGEND

- RIGHT OF WAY/PROPERTY LINE
- ROAD CENTERLINE
- NEW STORM DRAIN PIPING
- NEW CONCRETE FLATWORK & OTHER CONCRETE SURFACE. SEE ARCHITECTURAL DRAWINGS
- NEW DECOMPOSED GRANITE SURFACE. SEE ARCHITECTURAL DRAWINGS

CONSTRUCTION KEYNOTES (SHEETS C4.1 & C4.2)

1. SAWCUT EXISTING CONCRETE/A.C. PAVEMENT TO A CLEAN VERTICAL EDGE.
   SHOWN THUS: - - - - - -
2. LOCATE AND VERIFY PIPE INVERT ELEVATIONS FOR EXISTING STORM DRAIN PIPING. CONSTRUCT NEW STORM DRAIN MANHOLE AT EXISTING STORM DRAIN PIPE. CONNECT NEW/EXISTING STORM DRAIN PIPE TO SDMH. NOTIFY ARCHITECT OF RECORD SHOULD LOCATION & ELEVATIONS OF EXISTING STORM DRAIN PIPES ARE DIFFERENT THAN WHAT'S SHOWN ON THESE PLANS.
3. CONSTRUCT PLANTER DRAIN INLET. SEE DETAILS 11/C7.1.
4. CONSTRUCT LARGE DRAIN INLET SEE DETAIL 13/C7.1.
5. CONSTRUCT STORM DRAIN MANHOLE (48" I.D. SHAFT). SEE DETAILS 32/C7.1, 34/C7.1 & 24/C7.1.
6. REMOVE ASPHALT PAVEMENT FOR S.D. PIPELINE. SEE DETAIL 21/C7.1 FOR TRENCH BACKFILL AND SURFACE REPAVING REQUIREMENTS.
   TRENCH BACKFILL AND ASPHALT REPAVING SHOWN THUS:
7. REMOVE CONCRETE SURFACE FOR S.D. PIPELINE. SEE DETAIL 22/C7.1 FOR TRENCH BACKFILL AND SURFACE REPAIR REQUIREMENTS.
   TRENCH BACKFILL AND CONCRETE REPAIR SHOWN THUS:
8. WHERE NEW STORM DRAIN INFRASTRUCTURE ARE LOCATED IN EXISTING TURF AREAS, CONTRACTOR TO SHALL REPLACE TURF WITH NEW SOD TO MATCH EXISTING. CONTRACTOR SHALL REPAIR ANY IRRIGATION LINES AS REQUIRED TO MATCH EXISTING SHOULD IT BE DAMAGED DUE TO NEW IMPROVEMENTS.
   TRENCH BACKFILL & LANDSCAPING REPAIR AREA SHOWN THUS:
9. REPAINT PAVEMENT STRIPS MATCHING EXISTING AS REQUIRED.
10. FIRE LANE: REMOVE CONCRETE SURFACE FOR S.D. PIPELINE. SEE DETAIL 43/C7.1 FOR TRENCH BACKFILL AND SURFACE REPAIR REQUIREMENTS.
    TRENCH BACKFILL AND CONCRETE REPAIR SHOWN THUS:

NORTH

GRAPHIC SCALE

20 0 10 20 40

1 INCH = 20 FT.

STORM DRAIN PLAN

REGISTERED PROFESSIONAL ENGINEER — WA YANG — R.C.E. 73146 — 10/23/2025 — CIVIL — STATE OF CALIFORNIA

CONSULTANT

LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
979 N. BLACKSTONE
TULARE, CALIFORNIA 93274
(559) 688-5263

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT — JAMES R. MONROE — No. C-21128 — REN. 05-31-27 — STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

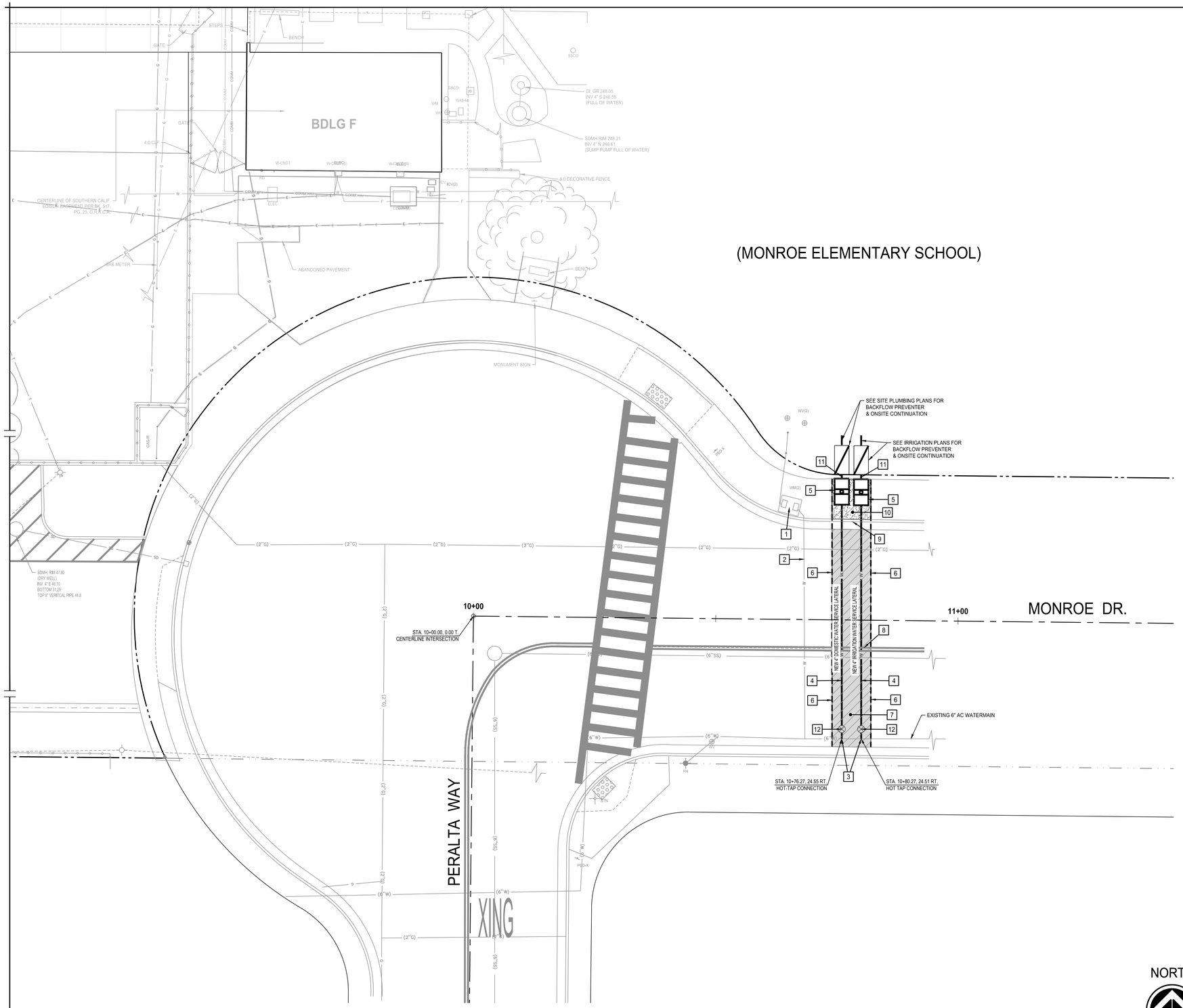
REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
STORM DRAIN PLAN

C4.2

PROJECT 24043



OFFSITE NOTES

1. SEE STANDARD GENERAL NOTES ON SHEET C0.1.
2. FIELD VERIFY ALL ELEVATIONS SHOWN WHERE PROPOSED IMPROVEMENTS ABUT EXISTING IMPROVEMENTS. IMMEDIATELY NOTIFY PROJECT ARCHITECT OF ANY DISCREPANCIES.
3. ADJUST ALL EXISTING GATE VALVES, UTILITY BOXES, AND WATER METERS TO BE FLUSH WITH FINISH GRADES.
4. ALL WORK AND MATERIALS WITHIN THE STREET RIGHTS OF WAY SHALL CONFORM TO CITY OF HANFORD STANDARDS AND SPECIFICATIONS. ALL TRAFFIC SIGNS, STRIPS, LEGENDS AND MARKER SHALL MEET THE CITY OF HANFORD AND SHALL CONFORM TO THE 2024 CALTRANS STANDARD PLANS.
5. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, ETC., WHICH MAY BE REQUIRED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THESE DRAWINGS AND FURNISH ALL FITTINGS, ETC. NECESSARY TO COMPLETE THE WORK AS SHOWN.
6. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF HANFORD AND PAY ALL NECESSARY CITY FEES PRIOR TO MAKING WATER CONNECTION TO THE CITY MAIN. ALL CONNECTIONS TO CITY MAIN LINES MUST BE WITNESS AND APPROVED BY CITY OF HANFORD INSPECTOR.
7. ANY EXISTING STRIPING THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND.
8. EXISTING SIGNS AND STRIPING NOT NOTED ON THESE PLANS FOR REMOVAL SHALL BE PROTECTED IN PLACE.
9. ANY EXISTING REGULATORY OR WARNING SIGNS REMOVED FOR CONSTRUCTION SHALL BE REPLACED WITH TEMPORARY SIGNS AS NECESSARY TO SAFELY DIRECT TRAFFIC UNTIL
10. THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 4, NAD 83, AS DETERMINED BY GPS OBSERVATIONS RELATIVE TO THE CALIFORNIA SURVEYING AND DRAFTING, INC. VIRTUAL SURVEY NETWORK, EPOCH DATE 2011.
11. THE CONTRACTOR PERFORMING THE CONNECTION TO EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE TRAINED AND QUALIFIED TO WORK WITH ASBESTOS-CONTAINING MATERIALS. ALL WORK SHALL COMPLY WITH APPLICABLE OSHA REGULATIONS AND LOCAL ENVIRONMENTAL HEALTH AND SAFETY REQUIREMENTS REGARDING ASBESTOS-CONTAINING PIPE.

CONSTRUCTION KEYNOTES (THIS SHEET ONLY)

1. REMOVE & DISPOSED 3" METER. CAP EXISTING SERVICE LATERAL AT METER AND ABANDONED IN PLACE.
2. EXISTING 3" SERVICE LATERAL TO BE CAPPED AT METER AND ABANDONED IN PLACE.
3. HOT-TAP NEW 4" WATER SERVICE LATERAL TO EXISTING WATER MAIN. SEE NOTE NO. 10 ON THIS SHEET AND DETAIL 11/C7.2.
4. FURNISH & INSTALL NEW 4" METERED WATER SERVICE LATERAL PER CITY STANDARD WA-17 (METERS ARE TO BE PURCHASED FROM THE CITY). PROVIDE METER BOX AND LID PER CITY STANDARD DETAIL WA-17. SEE SHEET C7.3.
5. FURNISH & INSTALL METER BOX AND LID PER CITY STANDARD DETAIL WA-17. TOP OF METER LIDS SHALL BE FLUSH WITH CONCRETE SIDEWALK. SEE SHEET C7.3.
6. SAWCUT EXISTING CONCRETE/A.C. PAVEMENT TO A CLEAN VERTICAL EDGE. REMOVE EXISTING AC PAVING, CURB/GUTTER & SIDEWALK WITHIN SAWCUT LIMITS FOR NEW WATER LINE INSTALLATION.
   SHOWN THUS:
7. TRENCH BACKFILL AND PAVEMENT REPAIR PER CITY STANDARD ST-8 ON SHEET C7.2.
   SHOWN THUS:
8. REPAINT TWO-DIRECTION NO PASSING YELLOW CENTERLINE PATTERN (2024 STANDARD PLAN A20A, DETAIL 21)
9. REPAIR CURB & GUTTER SIMILAR TO CITY STANDARD CO-11. SEE SHEET C7.2. GUTTER PAN GEOMETRY SHALL MATCH EXISTING.
10. REPAIR CONCRETE SIDEWALK AS REQUIRED PER CITY STANDARD CO-15, SEE SHEET C7.2.
11. EXTEND NEW 4" WATER PIPELINE TO POC AT PROPERTY LINE.
12. FURNISH & INSTALL 4" GATE VALVE. SEE CITY STANDARD WA-23 ON SHEET C7.3.

LEGEND

- CONCRETE SIDEWALK/FLATWORK REPAIR
- STREET PAVEMENT REPAIR
- RIGHT OF WAY/PROPERTY LINE
- ROAD CENTERLINE

NORTH

GRAPHIC SCALE
10 0 5 10 20
1 INCH = 10 FT.

OFFSITE UTILITY PLAN

APPROVALS
FILE # 16-14 APPLICATION # 02-123247

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HANFORD ELEMENTARY SCHOOL DISTRICT
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10/23/2025
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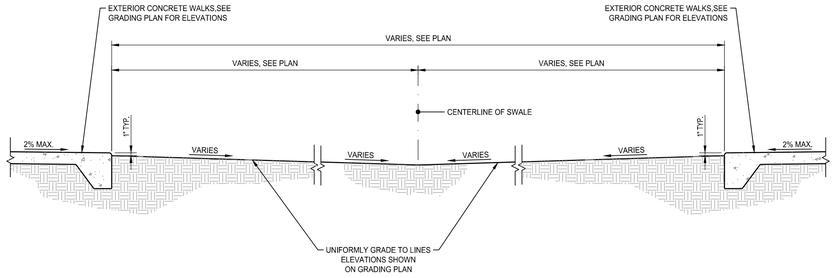
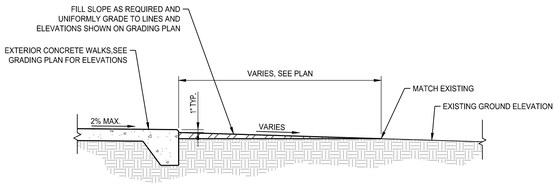
TITLE
OFFSITE UTILITY PLAN

C5.1

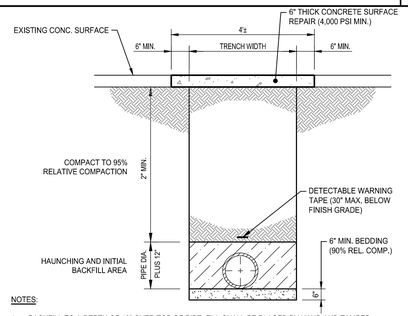
PROJECT 24043



SECTION BETWEEN CLASSROOM BUILDINGS — NO SCALE — 41



FILL SLOPE ON SOUTH SIDE OF BUILDING "A" — NO SCALE — 42



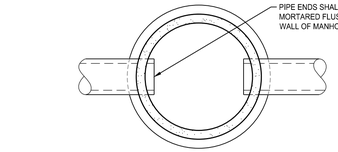
NOTES:

1. BACKFILL TO A DEPTH OF 12" OVER TOP OF PIPE, FILL SHALL BE PLACED BY HAND AND TAMPED OR FLOODED (90% REL. COMPACTION). FOR PLASTIC PIPE INSTALLATIONS, BEDDING SHALL BE IN ACCORDANCE W/PIPE MANUF. SPECIFICATIONS.
2. BACKFILL MATERIAL WITHIN THE HAUNCHING, INITIAL BACKFILL, AND OUTER BEDDING AREAS SHALL BE CATEGORY I, II, OR III MATERIAL (ASTM D2321) PLACED TO 90% REL. COMPACTION. (ON SITE)

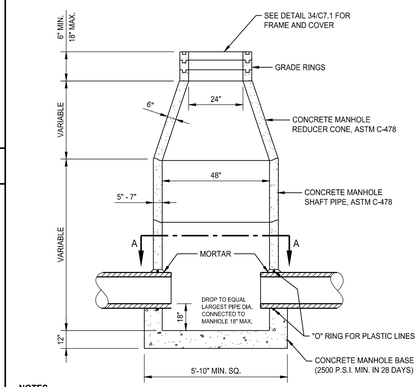
CONCRETE SURFACE REPAIR AT FIRE LANE — NO SCALE — 43

53

54



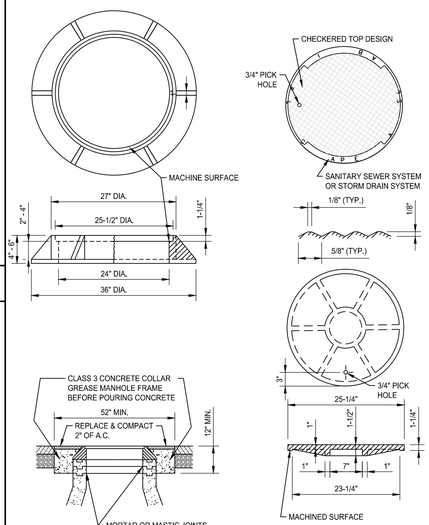
SECTION A-A



NOTES

1. ALL CONCRETE SHALL BE 2500 PSI MIN. AT 28 DAYS.
2. MANHOLE PIPE, CONE AND GRADE RINGS SHALL BE PRECAST REINFORCED CONCRETE AS PER ASTM C-478.
3. MORTAR AND BAND ALL PIPE JOINTS. MORTAR MIXTURE SHALL BE ONE PART CEMENT PER TWO PARTS SAND.
4. MASTIC (KENT SEAL NO. 2 OR EQUAL) MAY BE SUBSTITUTED AT JOINTS. MASTIC SHALL COVER A MIN. OF ONE-HALF THE COMPRESSED SURFACE. INSIDE OF MANHOLE JOINT SHALL BE MORTARTED TO A SMOOTH SURFACE.
5. MAXIMUM DISTANCE BETWEEN MANHOLES SHALL BE 500 FEET OR AS REQUIRED BY PROJECT CIVIL ENGINEER.
6. SUMP BOTTOM MANHOLES ARE REQUIRED ON ALL STORM DRAIN SYSTEMS WITH PUMPS.
7. 48" MANHOLES ARE REQUIRED FOR STORM DRAIN PIPE SIZES FROM 12" TO 24", 60" MANHOLES ARE REQUIRED FOR STORM DRAIN PIPE SIZES FROM 27" TO 36".

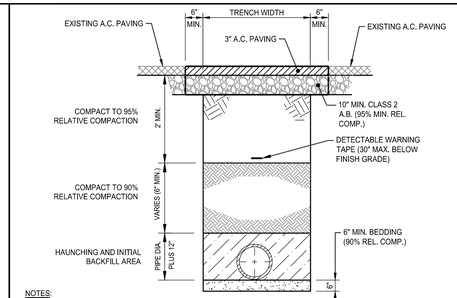
STORM DRAIN MANHOLE — NO SCALE — 32



NOTES

1. MATERIAL SHALL BE CAST IRON. FRAME AND COVER TO BE CONSTRUCTED IN ACCORDANCE WITH ASTM DESIGNATION A48, CLASS 25.
2. FRAME AND COVER SHALL MATCH CROSS SLOPE OF FINISHED GRADE/FINISHED PAVEMENT SURFACE.
3. FRAME AND COVER SHALL BE TRAFFIC RATED (H-20 LOADING).

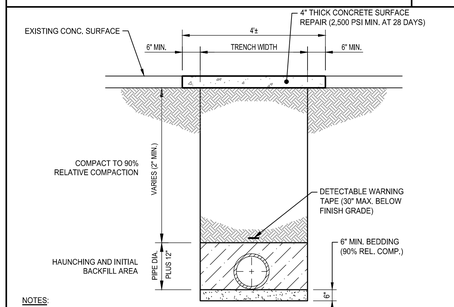
MANHOLE FRAME AND COVER — NO SCALE — 34



NOTES:

1. BACKFILL TO A DEPTH OF 12" OVER TOP OF PIPE, FILL SHALL BE PLACED BY HAND AND TAMPED OR FLOODED (90% REL. COMPACTION). FOR PLASTIC PIPE INSTALLATIONS, BEDDING SHALL BE IN ACCORDANCE W/PIPE MANUF. SPECIFICATIONS.
2. BACKFILL MATERIAL WITHIN THE HAUNCHING, INITIAL BACKFILL, AND OUTER BEDDING AREAS SHALL BE CATEGORY I, II, OR III MATERIAL (ASTM D2321) PLACED TO 90% REL. COMPACTION. (ON SITE)

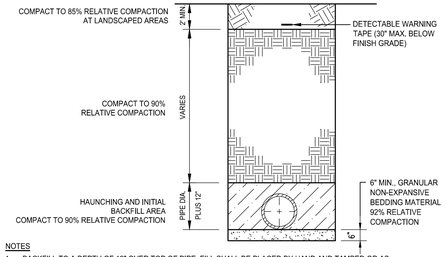
REPAIR AT A.C. PAVING — NO SCALE — 21



NOTES:

1. BACKFILL TO A DEPTH OF 12" OVER TOP OF PIPE, FILL SHALL BE PLACED BY HAND AND TAMPED OR FLOODED (90% REL. COMPACTION). FOR PLASTIC PIPE INSTALLATIONS, BEDDING SHALL BE IN ACCORDANCE W/PIPE MANUF. SPECIFICATIONS.
2. BACKFILL MATERIAL WITHIN THE HAUNCHING, INITIAL BACKFILL, AND OUTER BEDDING AREAS SHALL BE CATEGORY I, II, OR III MATERIAL (ASTM D2321) PLACED TO 90% REL. COMPACTION. (ON SITE)

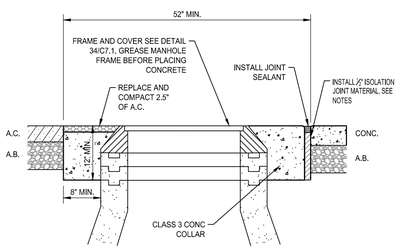
REPAIR AT CONCRETE SURFACE — NO SCALE — 22



NOTES

1. BACKFILL TO A DEPTH OF 12" OVER TOP OF PIPE. FILL SHALL BE PLACED BY HAND AND TAMPED OR AS PER PIPE MANUFACTURER'S SPECIFICATIONS. FOR PLASTIC PIPE INSTALLATIONS, BEDDING SHALL BE IN ACCORDANCE W/PIPE MANUFACTURER SPECIFICATIONS.
2. BACKFILL MATERIAL WITHIN THE HAUNCHING, INITIAL BACKFILL, AND OUTER BEDDING AREAS SHALL BE CATEGORY I, II, OR III MATERIAL (ASTM D2321) PLACED TO 90% REL. COMPACTION. (ON SITE)

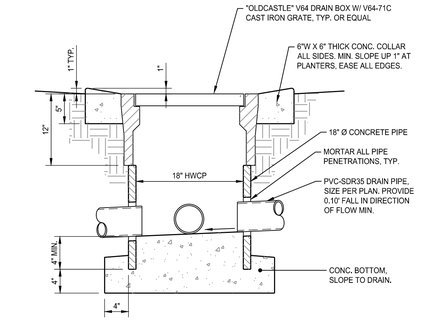
TRENCH BACKFILL AT LANDSCAPE AREAS — NO SCALE — 23



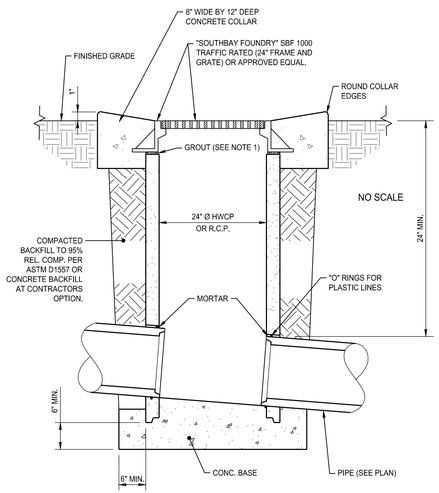
NOTES

1. FRAME AND COVER SHALL MATCH CROSS SLOPE OF FINISHED GRADE/FINISHED PAVEMENT SURFACE.
2. ISOLATION JOINT FILLER SHALL MEET THE REQUIREMENTS OF ASTM D 1751, ASPHALT-SATURATED CELLULOSIC FIBER IN PRE-FORMED STRIPS. EXTEND JOINT FILLERS FULL WIDTH AND DEPTH OF JOINT. TERMINATE JOINT FILLER NOT LESS THAN 1/2 INCH OR MORE THAN 1 INCH BELOW FINISHED SURFACE IF JOINT SEALANT IS INDICATED. PLACE TOP OF JOINT FILLER FLUSH WITH FINISHED CONCRETE SURFACE IF JOINT SEALANT IS NOT INDICATED.

MANHOLE COVER INSTALLATION — NO SCALE — 24



PLANTER DRAIN INLET — NO SCALE — 11



NOTES

1. GROUT SHALL BE A HIGH STRENGTH, SHRINKAGE COMPENSATING NON-METALLIC GROUT, "MASTERFLOW" 713 OR EQUAL.
2. CONCRETE SHALL BE 2500 PSI MIN. AT 28 DAYS.
3. FRAME & GRATE SHALL BE TRAFFIC RATED (H-20 LOADING).

LARGE DRAIN INLET — NO SCALE — 13

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

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TITLE
CIVIL DETAILS

C7.1

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
NA VANG
R.C.E. 73146
10/23/2025
CIVIL
STATE OF CALIFORNIA

CONSULTANT
LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
979 N. BLACKSTONE
TULARE, CALIFORNIA 93274
(559) 688-5263

LANE PROJ. NO. 24289

F:\Jobs\2024\24289\Dwg\Production Drawings\Civil Details_24043.dwg Oct 23, 2025 4:01pm

CITY OF HANFORD

CALIFORNIA

STREET COMPACTION CRITERIA

In order to clarify our requirements for the compaction of street subgrade and base materials, the following criteria shall apply:

Relative compaction shall be determined in accordance with *California* Test Method No. ~~California~~ 216, ~~and/or~~ *California* Test Method ~~California~~ *No.* 231. *, or ASTM 1557.*

Subgrade soil materials (cohesive, non-free draining and non-cohesive, free draining materials) shall be compacted to a minimum relative compaction rate of 95 percent of maximum density.

Aggregate base and sub-base materials shall be compacted to a minimum relative compaction rate of 95 percent of maximum density.

Asphalt concrete pavement shall be compacted to a minimum relative compaction rate of 95 percent of maximum density.

Class I, II and III backfill for trenches shall be compacted to 95 percent relative compaction, within top 2 feet in street section, and 90 percent relative compaction in remainder of trench.

All engineered fills *(including aggregate base and sub-base)* shall be moisture conditioned to within two (2) percent of optimum moisture content and compacted in thin lifts not to exceed eight (8) inches maximum compacted thickness.

The requirements for maximum density-optimum moisture relationships for all other fills as specified in the Uniform Building Code shall apply to those fills placed on private properties outside of street right-of-way.

The City Engineer retains the option to reject any compacted material regardless of the degree of compaction if that material is considered to be unstable or if future instability is suspected. A specific example of a fill material passing this required percent compaction is a fill which has been compacted with an in-situ moisture content significantly less than optimum moisture. This type of dry fill (brittle fill) is susceptible to future settlement if it becomes saturated or flooded.

CITY OF HANFORD

CALIFORNIA

FLEXIBLE PIPE (PVC) CRITERIA

1. EMBEDMENT (BEDDING) CLASSES FOR PVC PIPE

There is only one embedment (bedding) class for PVC pipe and that is within the "EMBEDMENT ZONE." This embedment zone will have compaction to 90% Standard Proctor Density. The trench width will vary from narrow trench to a trench width of five (5) pipe diameters minimum, depending on the side soil support.

ASTM D-2321 – 7.1.8 recommends a soil exploration program be conducted prior to excavation to determine, in advance, soil conditions that relate to trench construction.

2. EMBEDMENT MATERIAL FOR PVC PIPE AND SOIL SUPPORT

Class 1 – Crushed, ¼"to 1½" graded stone, including a number of fill materials that have regional significance such as coral slag, cinders, crushed shells and crushed stone.

Class II – Coarse sands and gravels with maximum particle size of 1½", including variously graded sands and gravels containing small percentage of fines, generally granular and noncohesive, either wet or dry.

Class III – Fine sand and clayey (clay-filled) gravels including fine sands, sand-clay mixtures and gravel-clay mixtures.

Class IV – Silt, silty clays and clays including inorganic clays and silts of low to high plasticity and liquid limits. Soil types MH, ML, CH and CL. Class IV materials are not recommended for the bedding haunching or initial backfill.

Class V – This material is not recommended for the Embedment Zone.

3. USE OF EMBEDMENT MATERIAL FOR PVC PIPE

A. When Class I material is used for bedding, little or no compaction is necessary due to the nature of the angular particles. A depth of 4 to 6 inches of Class I material is generally sufficient to provide uniform bedding. If Class I material is used for bedding, it must also be utilized for haunching up to or higher than the spring line of the pipe to avoid loss of side support through migration of Class II or Class III material into the bedding.

B. Care must be taken with Class II material to provide a uniform compacted bedding. The bedding material must be placed to a point above the pipe bottom, so that after compaction, the bedding material can be brought to grade. Hand or mechanical tamping should be used to compact the bedding material to a minimum of 90% STANDARD PROCTOR DENSITY. Slightly damp material will generally result in maximum compaction with a minimum of effort. Class III is the same as Class II.

ADDITIONAL NOTES:

1. CROSS SECTIONAL AREA OF 30" CURB AND GUTTER–1.64 SQ. FT.
2. 30" CURB AND GUTTER–16.4 L.F. PER CU. YD. OF CONCRETE.
3. AN APPROXIMATE 4" FLOW LINE SHALL BE TROWELED SMOOTH.
4. ALL CONVCRETE SHALL HAVE A LIGHT BROOM FINISH, AND ALL BROOMING SHALL BE PARALLEL TO THE DIRECTION OF FLOW.
5. 1/2" PRE–MOLDED JOINT FILLER SHALL BE INSTALLED IN EXPANSION JOINTS AT ALL DRIVE APPROACHES AND AT THE BEGINNING AND END OF ALL CURB RETURNS; AND SHALL BE HELD FIRMLY IN PLACE PRIOR TO PLACING CONCRETE. WEAKEND PLANE JOINTS SHALL BE AT 20' INTERVALS.
6. AT CONTRACTOR'S OPTION OR IF A JOINT IS MISSED AND SLIP FROM EQUIPMENT IS USED, CONTROL JOINTS SHALL BE SAW CUT TO A DEPTH OF 2" AT LOCATIONS AS SPECIFIED IN NOTE 5. THE TOP 3/4" OF THE CONTROL JOINT SHALL BE FILLED WITH A POLYURETHANE SEALANT (SIKAFLEX–1A OR EQUAL).
7. ALL WORK TO BE DONE AND ALL MATERIALS SUPPLIED SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" LATEST EDITION.
8. CURING COMPOUND SHALL BE APPLIED TO FRESH CONCRETE BY ROLLING, BRUSHING, OR SPRAYING, CURING COMPOUND SHALL BE MASTER BUILDERS "MASTERSEAL", W.R. GRACE AND CO. "HORN CLEARSEAL" OR APPROVED EQUAL.

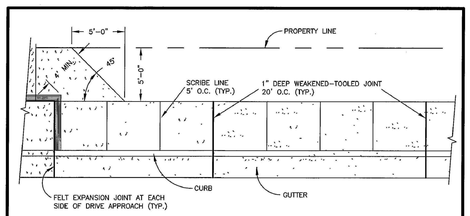
DEPT. OF PUBLIC WORKS — CITY OF HANFORD — ENGINEERING DIVISION

CONCRETE NOTES

STANDARD DRAWING

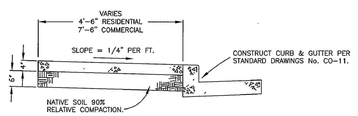
APPROVED BY: CITY ENGINEER R.C.E. 062044

REVISED: 04/04/06 — DRAWING NO. CO–32



CURB, GUTTER & SIDEWALK SCRIBE LINE DETAIL

NO SCALE



CURB, GUTTER AND SIDEWALK CROSS–SECTION

NO SCALE

NOTES:

1. FROMS TO REMAIN FOR A MIN. OF 24 HOURS.
2. WOOD FORMS SHALL HAVE A NOMINAL THICKNESS OF 2", EXCEPT ON CURVE CONSTRUCTION WHERE THE THICKNESS SHALL BE DETERMINED BY THE CITY ENGINEER.
3. SEE CONCRETE NOTES (DRAWING No. CO–32) AND CITY STANDARD SPECIFICATIONS.
4. EXPANSION JOINTS SHALL BE INSTALLED WITHIN CURVILINEAR SIDEWALKS AT MIN. 60 FEET O.C.
5. CONCRETE SHALL BE MINIMUM FIVE SACK MIX. (2500 P.S.I. MIN. IN 28 DAYS).
6. FOR DOWNTOWN 2010 PLAN AREA SEE DESIGN GUIDELINES FOR SIDEWALK SCORING PATTERN.

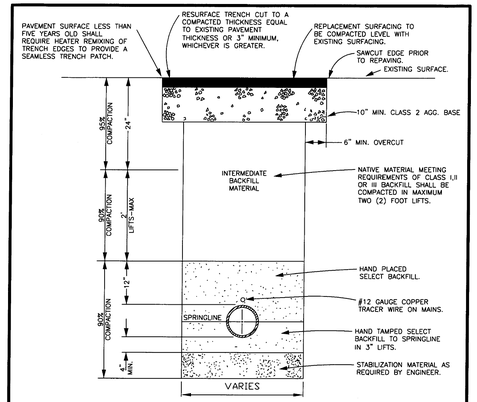
DEPT. OF PUBLIC WORKS — CITY OF HANFORD — ENGINEERING DIVISION

ADJACENT SIDEWALK DETAIL

STANDARD DRAWING

APPROVED BY: CITY ENGINEER R.C.E. 062044

REVISED: 04/04/06 — DRAWING NO. CO–15



NOTES:

1. USE SPECIAL CARE IN BEDDING FLEXIBLE PIPE TO INSURE SIDEWALL SUPPORT.
2. LESS COVER FOR 6" AND 8" PIPE MAY BE ALLOWED AT THE DISCRETION OF THE CITY ENGINEER.
3. TRACE WIRE TO BE INSTALLED ON:
   (A) CURVILINEAR PIPELINE INSTALLATIONS.
   (B) INSTALLATIONS OF PIPELINE NOT PERPENDICULAR.
4. SEE PRECIDING PAGES FOR FLEXIBLE PIPE INSTALLATION CRITERIA.

SEWER MAIN	WATER MAIN
UP THRU 12" PIPE – 42" COVER OVER 12" PIPE – 48" COVER COVER SHOWN IS MINIMUM.	UP THRU 10" PIPE – 36" COVER OVER 10" PIPE – 42" COVER COVER SHOWN IS MINIMUM.

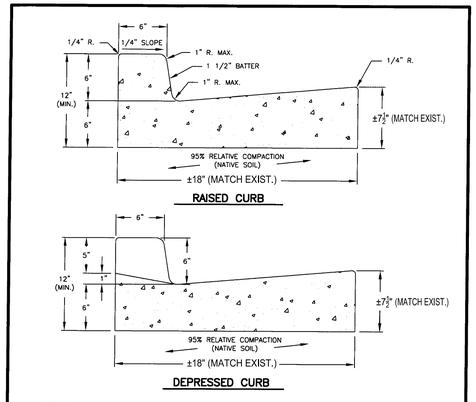
DEPT. OF PUBLIC WORKS — CITY OF HANFORD — ENGINEERING DIVISION

FLEXIBLE PIPE TRENCH DETAIL

STANDARD DRAWING

APPROVED BY: CITY ENGINEER R.C.E. 062044

REVISED: 04/04/06 — DRAWING NO. ST–8



NOTES

1. CONFORM TO EXISTING CURB & GUTTER WIDTH IF GREATER THAN 30".
2. FORMS TO REMAIN FOR A MIN. OF 24 HOURS.
3. WOOD FORMS SHALL HAVE A NORMAL THICKNESS OF 2". EXCEPT ON CURVE CONSTRUCTION WHERE THE THICKNESS SHALL BE DETERMINED BY THE CITY INSPECTOR.
4. MINIMUM GRADE FOR CURB & GUTTER SHALL NEVER BE LESS THAN .0015 SLOPE, EXCEPT CURVE PORTIONS OF CUL–DE–SAC STREETS WHICH SHALL HAVE .0020 SLOPE MINIMUM.
5. 1"x2" LINE & GRADE STAKES ARE TO BE SET 3' FROM FACE OF CURB. STAKE SPACING SHALL BE 25' MAX. FOR A SLOPE OF .0015 AND 50' MAX. FOR SLOPES OF .0020 OR MORE (OR EQUIVALENT CONTROLS).
6. CONCRETE SHALL BE MINIMUM FIVE SACK MIX. (2500 P.S.I. IN 28 DAYS).
7. SEE CONCRETE NOTES (DRAWING No. CO–32) CITY STANDARD SPECIFICATIONS.

DEPT. OF PUBLIC WORKS — CITY OF HANFORD — ENGINEERING DIVISION

30" CURB AND GUTTER

STANDARD DRAWING

APPROVED BY: CITY ENGINEER R.C.E. 062044

REVISED: 04/04/06 — DRAWING NO. CO–11

(MOD.)

APPROVALS

FILE # 16–14 — APPLICATION # 02–123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT — JAMES R. MONROE — No. C 27128 — REN. 05-31-27 — STATE OF CALIFORNIA

DATE: APRIL 16, 2025

11

12

13

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT

HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY

MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291

www.mangini.us
(559) 627.0530 *Office*
(559) 627.1926 *Fax*

TITLE

OFFSITE DETAILS

REGISTERED PROFESSIONAL ENGINEER — NA VANG — R.C.E. 73146 — 10/23/2025 — CIVIL — STATE OF CALIFORNIA

CONSULTANT

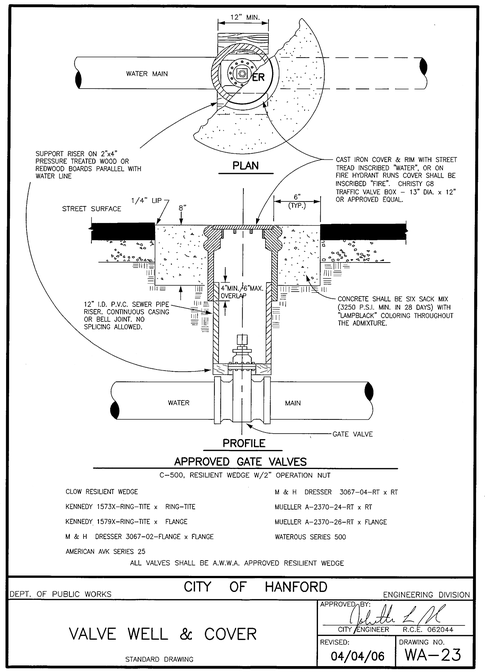
LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
979 N. BLACKSTONE
TULARE, CALIFORNIA 93274
(559) 688–5263

C7.2

PROJECT 24043

LANE PROJ. NO. 24289

CITY STANDARD DETAILS



APPROVED GATE VALVES

C-500, RESILIENT WEDGE W/2" OPERATION NUT

CLOW RESILIENT WEDGE	M & H DRESSER 3067-04-RT x RT
KENNEDY 1573X-RING-TITE x RING-TITE	MUELLER A-2370-24-RT x RT
KENNEDY 1579X-RING-TITE x FLANGE	MUELLER A-2370-26-RT x FLANGE
M & H DRESSER 3067-02-FLANGE x FLANGE	WATEROUS SERIES 500
AMERICAN AVK SERIES 25	

ALL VALVES SHALL BE A.W.W.A. APPROVED RESILIENT WEDGE

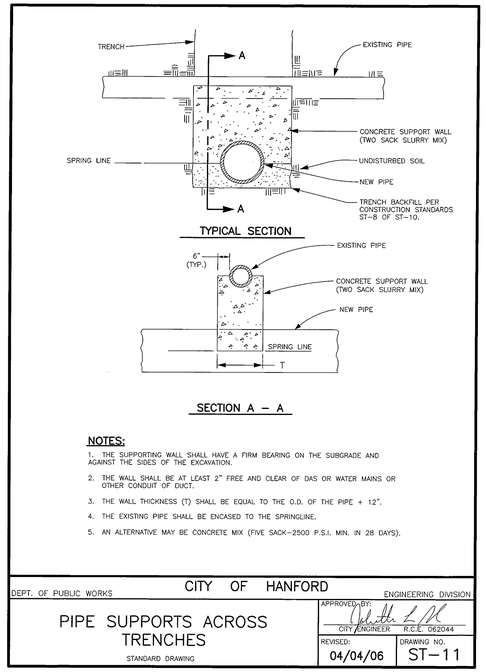
DEPT. OF PUBLIC WORKS — CITY OF HANFORD — ENGINEERING DIVISION

VALVE WELL & COVER

STANDARD DRAWING

APPROVED BY: CITY ENGINEER R.C.E. 062044

REVISED: 04/04/06 | DRAWING NO. WA-23



NOTES:

1. THE SUPPORTING WALL SHALL HAVE A FIRM BEARING ON THE SUBGRADE AND AGAINST THE SIDES OF THE EXCAVATION.
2. THE WALL SHALL BE AT LEAST 2" FREE AND CLEAR OF DAS OR WATER MAINS OR OTHER CONDUIT OF DUCT.
3. THE WALL THICKNESS (T) SHALL BE EQUAL TO THE O.D. OF THE PIPE + 12".
4. THE EXISTING PIPE SHALL BE ENCASED TO THE SPRINGLINE.
5. AN ALTERNATIVE MAY BE CONCRETE MIX (FIVE SACK-2500 P.S.I. MIN. IN 28 DAYS).

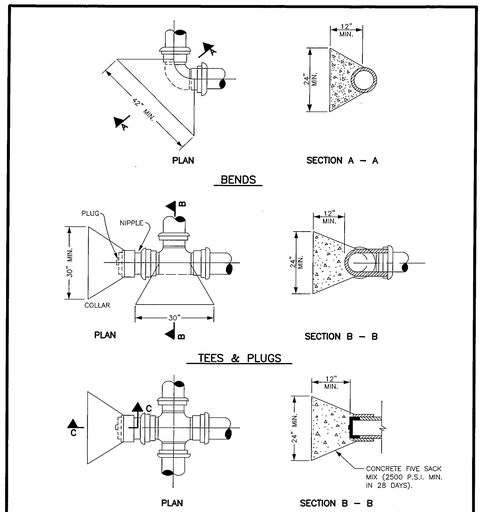
DEPT. OF PUBLIC WORKS — CITY OF HANFORD — ENGINEERING DIVISION

PIPE SUPPORTS ACROSS TRENCHES

STANDARD DRAWING

APPROVED BY: CITY ENGINEER R.C.E. 062044

REVISED: 04/04/06 | DRAWING NO. ST-11



NOTE:

THRUST BLOCKS ACCORDING TO PIPE MANUF. INSTALLATION GUIDE AND APPROVAL OF CITY ENGINEER

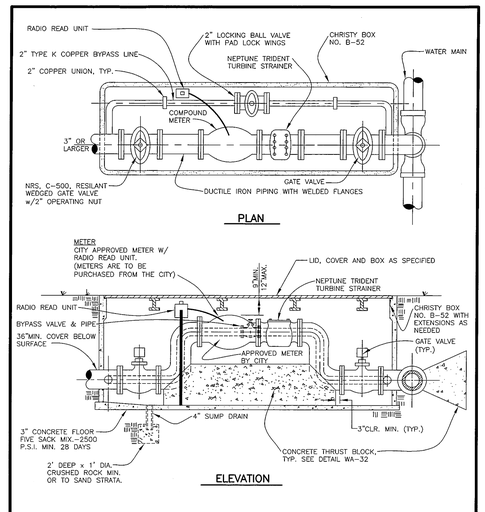
DEPT. OF PUBLIC WORKS — CITY OF HANFORD — ENGINEERING DIVISION

CONCRETE THRUST BLOCKS

STANDARD DRAWING

APPROVED BY: CITY ENGINEER R.C.E. 062044

REVISED: 04/04/06 | DRAWING NO. WA-32



NOTES:

1. HOT TAP OF EXISTING WATER MAIN WILL REQUIRE A TAPPING VALVE & TAPPING SLEEVE.
2. THE FIREFLY (DATAMATIC) RADIO READ UNIT MUST BE CONNECTED TO THE REGISTER PRIOR TO INSTALLATION.

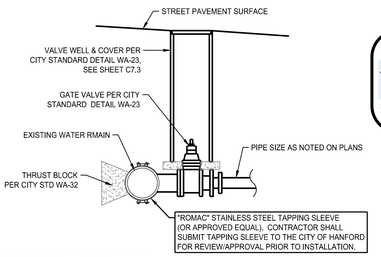
DEPT. OF PUBLIC WORKS — CITY OF HANFORD — ENGINEERING DIVISION

3" OR LARGER WATER SERVICE

STANDARD DRAWING

APPROVED BY: CITY ENGINEER R.C.E. 062044

REVISED: 04/04/06 | DRAWING NO. WA-17



NOTES:

1. ALL CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF HANFORD STANDARD SPECIFICATIONS AND IMPROVEMENT STANDARD DRAWINGS
2. THE CONTRACTOR PERFORMING THE CONNECTION TO EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE TRAINED AND QUALIFIED TO WORK WITH ASBESTOS-CONTAINING MATERIALS. ALL WORK SHALL COMPLY WITH APPLICABLE OSHA REGULATIONS AND LOCAL ENVIRONMENTAL HEALTH AND SAFETY REQUIREMENTS REGARDING ASBESTOS-CONTAINING PIPE.

NO SCALE

HOT-TAP CONNECTION TO WATER MAIN | 11

12

13

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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DATE: 11/04/2025

LICENSED ARCHITECT — JAMES R. MORRELL — No. C-27128 — REN. 05-31-27 — STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
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C7.3

PROJECT 24043

LANE PROJ. NO. 24289

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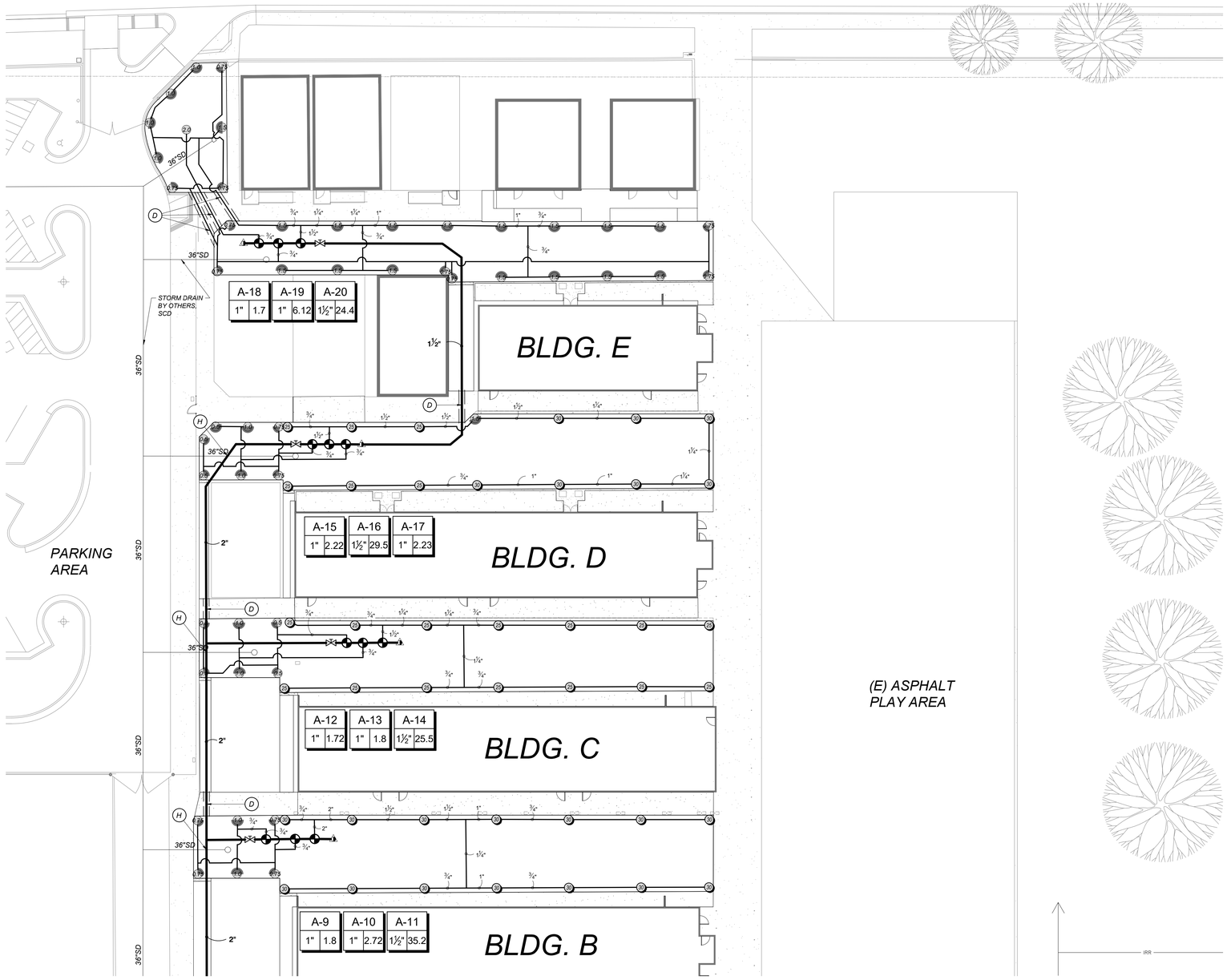


SEE SHEET IR1.2 FOR CONTINUATION

IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL	PSI	GPM	RADIUS	DETAIL
25	HUNTER I-20-04-SS-PRB-MPR 25	45		25'	B/IR1.5
30	HUNTER I-20-04-SS-PRB-MPR 30	45		30'	B/IR1.5
35	HUNTER I-20-04-SS-PRB-MPR 35	45		35'	B/IR1.5
0.5	HUNTER I-20-04-SS-PRB-SR 0.5	40	0.43	17'	B/IR1.5
0.75	HUNTER I-20-04-SS-PRB-SR 0.75	40	0.68	24'	B/IR1.5
1.0	HUNTER I-20-04-SS-PRB-SR 1.0	40	0.9	17'	B/IR1.5
1.5	HUNTER I-20-04-SS-PRB-SR 1.5	40	1.3	24'	B/IR1.5
2.0	HUNTER I-20-04-SS-PRB-SR 2.0	40	1.7	17'	B/IR1.5

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	REMOTE CONTROL VALVE IRRITROL 100P-G	E/IR1.4
	QUICK COUPLER VALVE HUNTER-44RC WITH HK44 KEY AND HS2 HOSE SWIVEL	A/IR1.5
	GATE VALVE LARGE LEEMCO LMV-BB WITH 2" NUT PUSH-ON BELL ENDS WITH PIPE RESTRAINT, OR EQUAL	I/IR1.4
MV	MASTER VALVE 4" BERMAD IR-4-410-00-G-I-AI-PG-4AC-CB, NORMALLY CLOSED	K/IR1.4
	REDUCED PRESSURE BACKFLOW PREVENTER 4" ZURN 375	G/IR1.4
CB	EXISTING CONTROLLER - CB HUNTER ICC2 - REMOVE AND SALVAGE. RETURN TO DISTRICT.	
CA	NEW CONTROLLER - CA - 54 STATIONS HUNTER I2C-800-M BASE METAL CABINET, WALL-MOUNTED CONTROLLER WITH 8 STATIONS,THREE - HUNTER ICM-800 EXPANSION MODULES, ONE – HUNTER ICM-2200 EXPANSION MODULE. CONNECT TO THE EXISTING ELECTRICAL POWER. PROVIDE A PUMP START RELAY FOR BOOSTER PUMP ACTIVATION.	C/IR1.5
FS	FLOW SENSOR CST MODEL FSI-S60-001 SADDLE MOUNT	H/IR1.4
BP2	EXISTING BOOSTER PUMP #2 REMOVE AND SALVAGE MOTOR AND PUMP TO OWNER. CAP SUPPLY AND DISCHARGE PIPES.	
BP1	NEW VFD BOOSTER PUMP PRE-PACKAGED IN A METAL ENCLOSURE. OWNER FURNISHED. CONTRACTOR INSTALLED.	A,B / IR1.3
	CAP THE MAINLINE AT THIS LOCATION	
WS	HUNTER SOLAR SYNC-SEN WIRELESS SOLAR, RAIN FREEZE SENSOR, MOUNT ON THE ROOF EAVE ABOVE CONTROLLER 'CA'	J/IR1.4
W	NEW WATER METER - 4" SEE CIVIL UTILITY PLAN	
PB	PULL BOX	
SB	SPLICE BOX	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 SOLVENT WELD, SIZE AS NOTED	C/IR1.4
	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 RUBBER GASKETED, SIZE AS NOTED	A/IR1.4
	PIPE SLEEVE: PVC SCHEDULE 40 TWICE PIPE SIZE	L/IR1.4
# / #" / #	VALVE NUMBER VALVE FLOW (GPM) VALVE SIZE	
#	NUMBER OF SPARE CONTROL WIRE PLUS ONE (1) SPARE COMMON WIRE.	
	CONTROL WIRE PLUS ONE (1) COMMON WIRE PLUS SPARES	D/IR1.4
IRR	EXISTING MAIN LINE	
	EXISTING IRRIGATION VALVE	
A	CONNECT NEW MAIN LINE TO EXISTING MAIN LINE	
B	REMOVE (E) BOOSTER PUMP AND RELATED IRRIGATION EQUIPMENT. CAP PIPES.	
C1	INTERCEPT (E) 3" MAIN LINE.	
C2	CUT, CAP AND ABANDON NON-ACTIVE SEGMENT TO BP#2. PROTECT THE EXISTING CONTROL WIRE.	
D	SAWCUT AT EXISTING JOINTS, REMOVE AND REPLACE CONCRETE. MATCH FINISH.	
E	PROVIDE A CONCRETE SPLICE BOX IF THERE IS NOT AN EXISTING SPLICE BOX.	
F	THE CONTROL WIRE BUNDLE AT 'CB' (~24 STATIONS) SHALL BE SPLICED WITH NEW WIRE (14 GA.) AND ROUTED IN CONDUIT TO THE 'CA' LOCATION	
G	THE CURRENT 'CA' CONTROLLER (IRRITROL MCE-24) WILL BE SALVAGED AND TURNED OVER TO THE OWNER AND REPLACED WITH MODEL NOTED ABOVE	
H	CONTRACTOR SHALL COORDINATE ROUTING OF IRRIGATION MAIN LINE WITH STORM DRAIN IN THE FIELD	

SCALE: N 1"=20'

0 5 20 40
SCALE IN FEET

SEE SHEET IR1.3 FOR BOOSTER PUMP YARD, IR1.4 AND 1R1.5 FOR NOTES AND FOR DETAILS

Know what's below. Call before you dig.

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELLI
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
BARENG MORRELLI SCOTT
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

LICENSED LANDSCAPE ARCHITECT
BRILEY, No. 2581
Signature 12/31/26 Renewal Date
STATE OF CALIFORNIA
Date Signed:

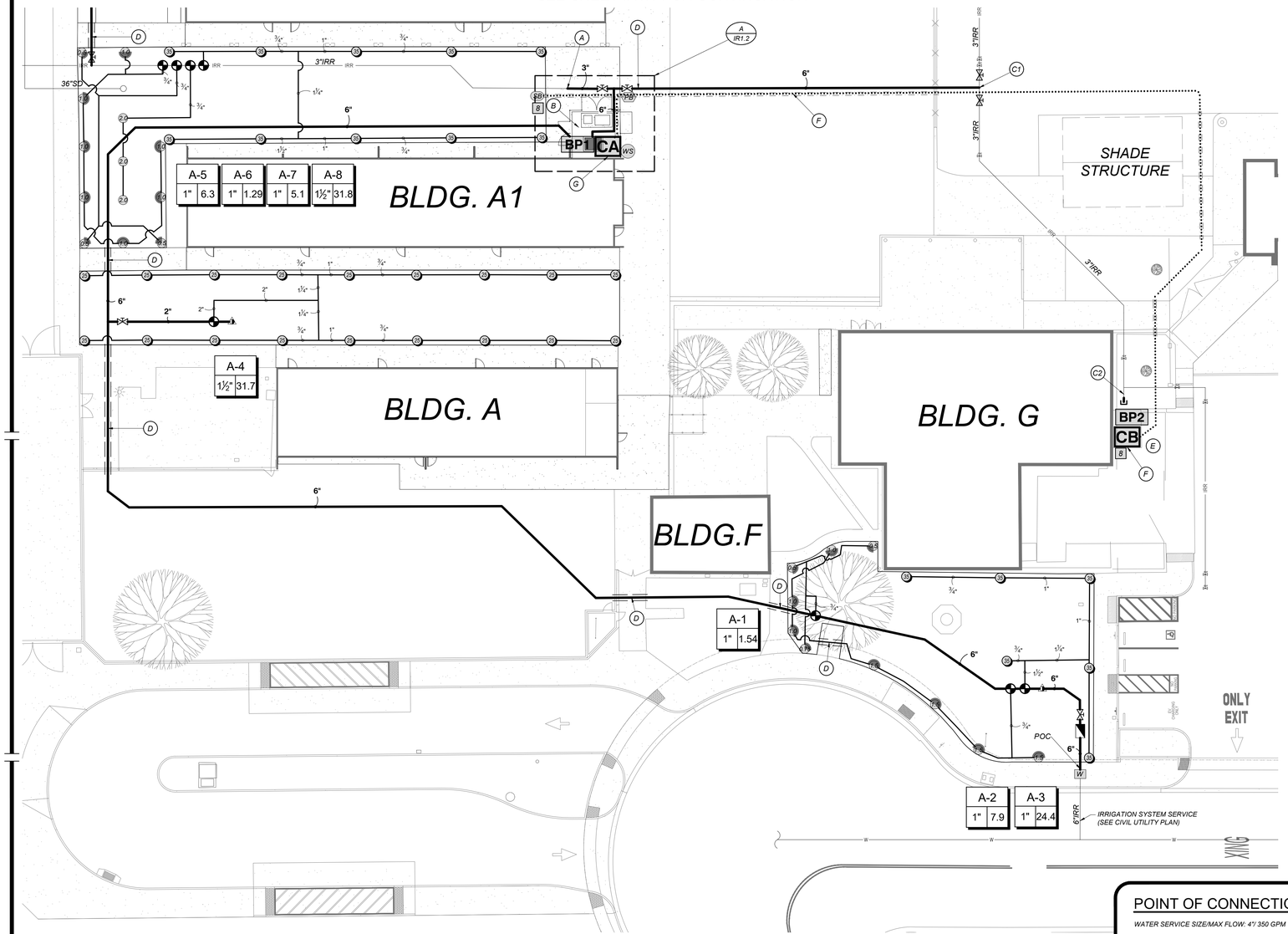
Blair, Church & Flynn
CONSULTING ENGINEERS
Blair, Church & Flynn Consulting Engineers
453 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

TITLE
IRRIGATION PLAN

IR1.1

PROJECT 24043

SEE SHEET IR1.1 FOR CONTINUATION



POINT OF CONNECTION

WATER SERVICE SIZE/MAX FLOW: 4"/ 350 GPM

WATER METER SIZE/75% MAX FLOW: 4"/ 500 GPM

MAXIMUM SYSTEM FLOW: 228 GPM (TWO - 3" BRANCHES)

IRRIGATION BACKFLOW SIZE: 4"

IRRIGATION WATER SOURCE: CITY OF HANFORD, CA

EXISTING STATIC PRESSURE: 54 PSI
SEE IRRIGATION GENERAL NOTE #3

DESIGN OPERATING PRESSURE: 45 PSI ROTORS

WATER CONSERVATION COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE PERFORMANCE COMPLIANCE OPTION CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

DAVID W. BRILEY, RLA 2787

SEE SHEET IR1.3 FOR BOOSTER PUMP YARD, IR1.4 AND 1R1.5 FOR NOTES AND FOR DETAILS

SCALE: N 1"=20'

0 5 20 40
SCALE IN FEET

IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL	PSI	GPM	RADIUS	DETAIL
25	HUNTER I-20-04-SS-PRB-MPR 25	45		25'	B/IR1.5
30	HUNTER I-20-04-SS-PRB-MPR 30	45		30'	B/IR1.5
35	HUNTER I-20-04-SS-PRB-MPR 35	45		35'	B/IR1.5
0.5	HUNTER I-20-04-SS-PRB-SR 0.5	40	0.43	17'	B/IR1.5
0.75	HUNTER I-20-04-SS-PRB-SR 0.75	40	0.68	24'	B/IR1.5
1.0	HUNTER I-20-04-SS-PRB-SR 1.0	40	0.9	17'	B/IR1.5
1.5	HUNTER I-20-04-SS-PRB-SR 1.5	40	1.3	24'	B/IR1.5
2.0	HUNTER I-20-04-SS-PRB-SR 2.0	40	1.7	17'	B/IR1.5

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	REMOTE CONTROL VALVE IRRITROL 100P-G	E/IR1.4
	QUICK COUPLER VALVE HUNTER-44RC WITH HK44 KEY AND HS2 HOSE SWIVEL	A/IR1.5
	GATE VALVE LARGE LEEMCO LMV-BB WITH 2" NUT PUSH-ON BELL ENDS WITH PIPE RESTRAINT, OR EQUAL	I/IR1.4
MV	MASTER VALVE 4" BERMAD IR-4-410-00-G-I-AI-PG-4AC-CB, NORMALLY CLOSED	K/IR1.4
	REDUCED PRESSURE BACKFLOW PREVENTER 4" ZURN 375	G/IR1.4
CB	EXISTING CONTROLLER - CB HUNTER ICC2 - REMOVE AND SALVAGE. RETURN TO DISTRICT.	
CA	NEW CONTROLLER - CA - 54 STATIONS HUNTER I2C-800-M BASE METAL CABINET, WALL-MOUNTED CONTROLLER WITH 8 STATIONS,THREE - HUNTER ICM-800 EXPANSION MODULES, ONE – HUNTER ICM-2200 EXPANSION MODULE. CONNECT TO THE EXISTING ELECTRICAL POWER. PROVIDE A PUMP START RELAY FOR BOOSTER PUMP ACTIVATION.	C/IR1.5
FS	FLOW SENSOR CST MODEL FSI-S60-001 SADDLE MOUNT	H/IR1.4
BP2	EXISTING BOOSTER PUMP #2 REMOVE AND SALVAGE MOTOR AND PUMP TO OWNER. CAP SUPPLY AND DISCHARGE PIPES.	
BP1	NEW VFD BOOSTER PUMP PRE-PACKAGED IN A METAL ENCLOSURE. OWNER FURNISHED. CONTRACTOR INSTALLED.	A,B / IR1.3
	CAP THE MAINLINE AT THIS LOCATION	
WS	HUNTER SOLAR SYNC-SEN WIRELESS SOLAR, RAIN FREEZE SENSOR, MOUNT ON THE ROOF EAVE ABOVE CONTROLLER 'CA'	J/IR1.4
W	NEW WATER METER - 4" SEE CIVIL UTILITY PLAN	
PB	PULL BOX	
SB	SPLICE BOX	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 SOLVENT WELD, SIZE AS NOTED	C/IR1.4
	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 RUBBER GASKETED, SIZE AS NOTED	A/IR1.4
	PIPE SLEEVE: PVC SCHEDULE 40 TWICE PIPE SIZE	L/IR1.4
# / #" / #	VALVE NUMBER VALVE FLOW (GPM) VALVE SIZE	
#	NUMBER OF SPARE CONTROL WIRE PLUS ONE (1) SPARE COMMON WIRE.	
	CONTROL WIRE PLUS ONE (1) COMMON WIRE PLUS SPARES	D/IR1.4
IRR	EXISTING MAIN LINE	
	EXISTING IRRIGATION VALVE	
A	CONNECT NEW MAIN LINE TO EXISTING MAIN LINE	
B	REMOVE (E) BOOSTER PUMP AND RELATED IRRIGATION EQUIPMENT. CAP PIPES.	
C1	INTERCEPT (E) 3" MAIN LINE.	
C2	CUT, CAP AND ABANDON NON-ACTIVE SEGMENT TO BP#2. PROTECT THE EXISTING CONTROL WIRE.	
D	SAWCUT AT EXISTING JOINTS, REMOVE AND REPLACE CONCRETE. MATCH FINISH.	
E	PROVIDE A CONCRETE SPLICE BOX IF THERE IS NOT AN EXISTING SPLICE BOX.	
F	THE CONTROL WIRE BUNDLE AT 'CB' (~24 STATIONS) SHALL BE SPLICED WITH NEW WIRE (14 GA.) AND ROUTED IN CONDUIT TO THE 'CA' LOCATION	
G	THE CURRENT 'CA' CONTROLLER (IRRITROL MCE-24) WILL BE SALVAGED AND TURNED OVER TO THE OWNER AND REPLACED WITH MODEL NOTED ABOVE	
H	CONTRACTOR SHALL COORDINATE ROUTING OF IRRIGATION MAIN LINE WITH STORM DRAIN IN THE FIELD	

Know what's below. Call before you dig.

LICENSED LANDSCAPE ARCHITECT — DAVID W. BRILEY No. 2787 — Signature 12/31/26 Renewal Date — Date — STATE OF CALIFORNIA

Date Signed:

Blair, Church & Flynn
CONSULTING ENGINEERS
Blair, Church & Flynn Consulting Engineers
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT — JAMES R. MORRELL — No. C-31128 — REN. 05-31-27 — STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

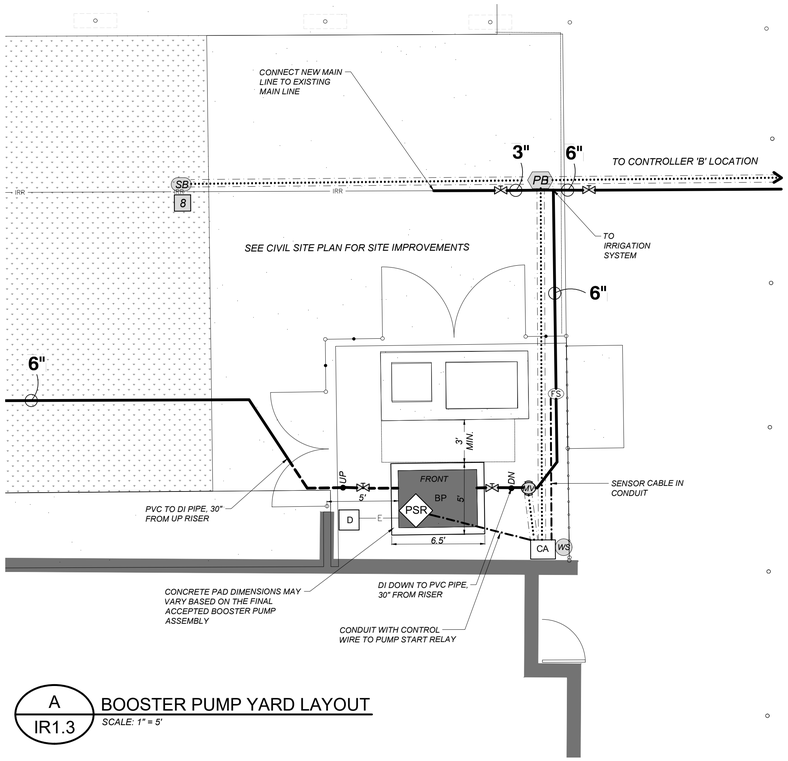
REVISIONS

MANGINI ARCHITECTURE INCORPORATED
BARENG MORRELLI SCOTT
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
IRRIGATION PLAN

IR1.2

PROJECT 24043



A
IR1.3

BOOSTER PUMP YARD LAYOUT

SCALE: 1" = 5'

LEGEND:

NOTE: SEE PLAN SHEET 'IRRIGATION LEGEND' FOR ADDITIONAL INFORMATION

6"IRR	CL200 IRRIGATION MAIN LINE; SIZE AS NOTED
	DUCTILE IRON PIPE, SIZE AS NOTED
	CONTROL WIRING IN CONDUIT FOR ISO4
	CONTROL WIRE PLUS ONE (1) COMMON WIRE PLACE IN A SLEEVE WHERE UNDER HARDSCAPE
E	ELECTRICAL POWER LINE
	CHAINLINK FENCE. SEE SITE DEVELOPMENT DRAWINGS
UP/ DN	6" RISER
BP	BOOSTER PUMP ASSEMBLY IN A METAL ENCLOSURE PER SPECIFICATIONS
CA	PROPOSED CONTROLLER "A".CONNECT TO EXISTING 120 VAC ELECTRICAL POWER.
D	CONNECT NEW BOOSTER PUMP TO THE EXISTING DISCONNECT SWITCH
FS	FLOW SENSOR
	GATE VALVE, SEE IRRIGATION LEGEND. PROVIDE SUPPORT JACK PER DETAIL I/IR1.4
MV	4" MASTER VALVE
PSR	PUMP START RELAY SIZE FOR PUMP MOTOR. UL LISTED
WS	WEATHER SENSOR
SB	CONTROL WIRE SPLICE BOX
PB	CONTROL WIRE PULL BOX

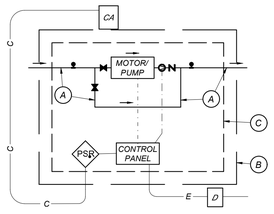
VFD BOOSTER PUMP PARAMETERS:

LOCATED AT PUMP YARD

SUPPLY PIPE SIZE:	6" CLASS 200 PVC
DISCHARGE PIPE SIZE:	6" CLASS 200 PVC
MINIMUM STATIC SERVICE PRESSURE:	54 PSI (HANFORD FD TEST 7/30/25)
PUMP SUPPLY PRESSURE:	39 PSI
DISCHARGE PRESSURE:	104 PSI
ROTOR OPERATING PRESSURE:	80 PSI
MAXIMUM BOOST REQUIRED AT 3500 RPM:	65 PSI
MAXIMUM FLOW REQUIRED AT 3500 RPM:	342 GPM (3 - 3" SCH 40 BRANCHES)
ELECTRICAL SERVICE:	240 VAC 60HZ, 3 PHASE
PUMP ACTIVATION:	PUMP START RELAY COMPATIBLE WITH HUNTER ICC CONTROLLER

VFD BOOSTER PUMP NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH THE PUMP ASSEMBLY VENDOR AS TO THE FINAL LAYOUT, ORIENTATION AND CONFIGURATION OF THE PUMP ASSEMBLY, CONTROL PANEL, INLET AND OUTLET PIPING, UTILITY PIPING AND WIRING/CABLE CONDUITS TO ACCOMMODATE THE EXISTING AND/OR PROPOSED CONDITIONS AND IMPROVEMENTS. PUMP ASSEMBLY LAYOUT SHALL COMPLY WITH CODE REQUIRED CLEARANCES FOR EXISTING AND PROPOSED EQUIPMENT.
2. A CONCRETE PAD SHALL EXTEND AROUND THE ENTIRE PUMP ASSEMBLY SUPPORT BASE FRAME A MINIMUM OF 6 INCHES ON ALL SIDES. PAD SHALL BE A MINIMUM 8 INCHES THICK WITH A MINIMUM 6 INCHES BELOW GRADE OVER 6 INCHES OF SCARIFIED AND COMPACTED SOIL SUBGRADE. THE PAD SHALL HAVE #4 REBAR AT 24 INCHES-ON-CENTER, BOTH WAYS. THE TOP OF THE PAD SHALL BE A MINIMUM OF 2 INCHES ABOVE THE ADJACENT FINISH HARD SURFACE, OR 4 INCHES ABOVE ADJACENT DIRT OR DG SURFACE. SECURE THE PUMP TO THE PAD WITH NON-CORROSIVE ANCHOR OR EXPANSION BOLTS OF THE MAXIMUM SIZE ALLOWABLE BY THE SUPPORT SKID, BUT AT LEAST 0.5 INCH DIAMETER.
3. A REPRESENTATIVE OF THE PUMP ASSEMBLY MANUFACTURE SHALL BE RESPONSIBLE FOR ALL START-UP PROCEDURES AND CERTIFYING THAT THE PUMP OPERATES WITHIN DESIGN PARAMETERS. PUMP MANUFACTURER SHALL TRAIN THE CONTRACTOR AND OWNER IN PROPER PUMP OPERATION. A STARTUP REPORT CONTAINING VOLTAGE AND AMPERAGE READINGS, SUCTION AND DISCHARGE PRESSURE READINGS, ESTIMATED FLOW CONDITIONS, AND GENERAL OPERATING CHARACTERISTICS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 7 DAYS OF A SUCCESSFUL CERTIFICATION. CONTRACTOR SHALL MAKE ALL ADJUSTMENTS AS NECESSARY FOR PROPER PUMP AND CONTROLS OPERATION.
4. WELDED OR GROOVED STEEL OR BRAZED/SOLDERED COPPER TUBING PIPING SYSTEMS SHALL BE PROVIDED. THREADED CONNECTIONS ARE ALLOWED ONLY AT THE INTERFACE OF THREADED MECHANICAL APPURTENANCES.
5. THE BOOSTER PUMP ASSEMBLY (BP) SHALL BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. THE BP MANUFACTURER SHALL BE PRECISION PUMPING SYSTEMS, BOISE, ID.



B
IR1.3

VFD BOOSTER PUMP SCHEMATIC

NOT TO SCALE

LEGEND:

C	CONTROL WIRE IN ELECTRICAL CONDUIT
E	ELECTRICAL SERVICE IN ELECTRICAL CONDUIT
	SIGNAL CABLE IN ELECTRICAL CONDUIT
	BUTTERFLY VALVE
	CHECK VALVE
	PRESSURE GAUGE
	PRESSURE TRANSDUCER
CA	IRRIGATION CONTROLLER
A	PIPE SUPPORTS ON ABOVE-GRADE PIPE AS NEEDED
B	RAISED CONCRETE PAD FOR PUMP ASSEMBLY, MINIMUM 12" WIDER THAN ENCLOSURE
C	PUMP ASSEMBLY- METAL ENCLOSURE WITH POWDER COATED FINISH
UP/DN	PIPE RISER, UP = UP RISER DN = DOWN RISER
D	EXISTING ELECTRICAL POWER DISCONNECT SWITCH
PSR	PUMP START RELAY

SEE SHEET IR1.1 AND IR1.2 FOR IRRIGATION PLAN, AND IR1.4 AND IR1.5 FOR NOTES AND DETAILS

811 Know what's below. Call before you dig.

LICENSED LANDSCAPE ARCHITECT — KEVIN K. BRILEY, No. 2587 — Signature — 12/31/26 Renewal Date — Date — STATE OF CALIFORNIA

Date Signed:

Blair, Church & Flynn CONSULTING ENGINEERS
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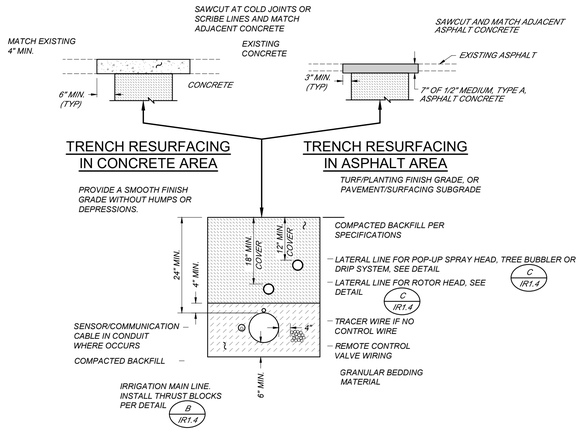
TITLE

IRRIGATION PUMP YARD

IR1.3

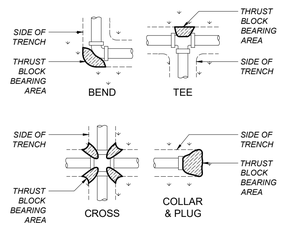
PROJECT 24043



TYPICAL TRENCH SHOWN IN PLANTING AREA

A IR1.4 IRRIGATION TRENCH BACKFILL

NOT TO SCALE

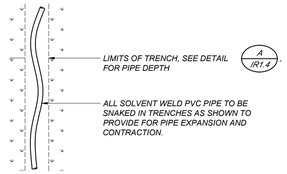


NOTE: CONCRETE PER SPECIFICATIONS. THRUST BLOCKS NOT REQUIRED WITH LESS THAN 2" MAIN LINE

TABLE OF BEARING AREAS REQUIRED (IN SQUARE FEET)					
PIPE DIAMETER	≦4"	6"	8"	10"	12"
CROSS, TEE, 90° BEND, PLUG, FIRE HYDRANT	1	3	5	8	11
45° BEND	1	2	3	4	6
22-1/2° BEND	0.5	1	2	2	3
11-1/4° BEND	0	0	1	1	2
GATE VALVE (IN-LINE)	0	1	2.5	4	9

B IR1.4 CONCRETE THRUST BLOCKS

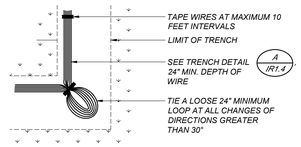
NOT TO SCALE



C IR1.4 SOLVENT WELD PIPE

NOT TO SCALE

NOTES:
1. WIRES UNDER PAVEMENT OR WALKS SHALL BE INSTALLED WITHIN A CONDUIT WHICH HAS BEEN PLACED BY BORING, JACKING OR DRILLING. CONDUIT TO BE PVC SCH 40 TYPE II PIPE. WIRES SHALL NOT BE TAPED TOGETHER INSIDE THE CONDUIT.
2. NO SPLICES ARE ALLOWED BETWEEN POINTS OF CONNECTIONS.
3. A VALVE BOX MUST BE PROVIDED AT ALL UNDERGROUND SPLICE CONNECTIONS.
4. HOT - RED
   COMMON - WHITE
   SPARE HOT - BLACK
   SPARE COMMON - BLUE
   TRACER WIRE - GREEN



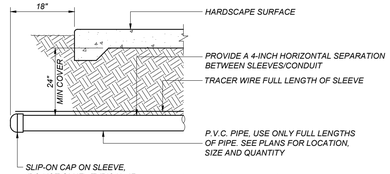
D IR1.4 IRRIGATION WIRE

NOT TO SCALE

CONDUIT/SLEEVE FOR CONTROL WIRE

CONDUIT/SLEEVE SIZE	QTY. 14 GA. WIRE
1"	8 OR LESS
1-1/4"	15
1-1/2"	20
2"	32
2-1/2"	45
3"	70
4"	120

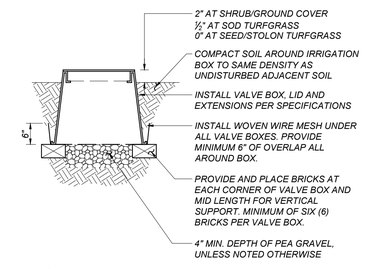
NOTE: SLEEVE FOR PIPE IS 2X THE PIPE DIAMETER



NOTE: IF CONTROL WIRES ARE ROUTED IN CONDUIT, SLEEVE FOR WIRES IS NOT REQUIRED

L IR1.4 IRRIGATION SLEEVE/CONDUIT

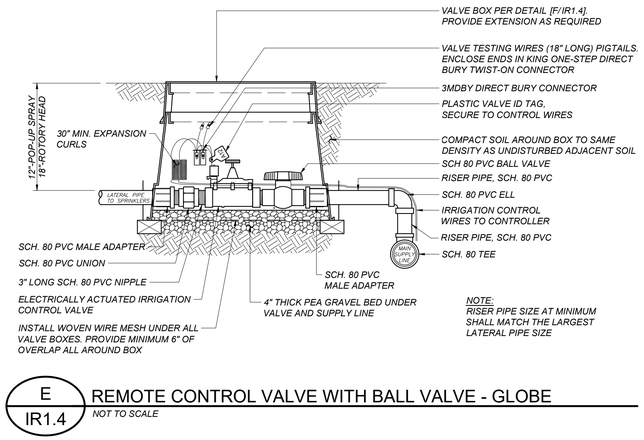
NOT TO SCALE



NOTE:
PROVIDE A TRAFFIC RATED CONCRETE BOX AND LID FOR ANY BOX LOCATED IN HARDSCAPE PAVEMENT AND SET FLUSH TO FINISHED SURFACE. PROVIDE A 6"X6" CONCRETE COLLAR AROUND THE BOX IF LOCATED IN ASPHALTIC CONCRETE.

F IR1.4 IRRIGATION VALVE BOX

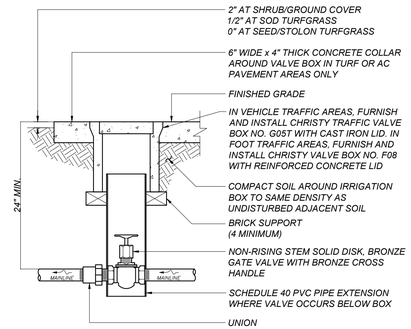
NOT TO SCALE



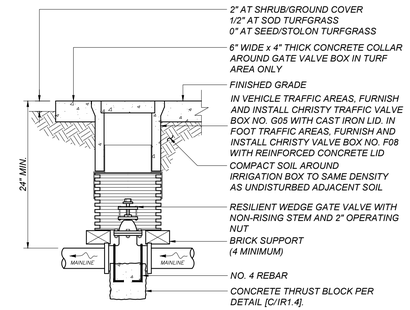
NOTE:
RISER PIPE SIZE AT MINIMUM SHALL MATCH THE LARGEST LATERAL PIPE SIZE

E IR1.4 REMOTE CONTROL VALVE WITH BALL VALVE - GLOBE

NOT TO SCALE



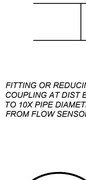
1-1/2" AND SMALLER GATE VALVE



2" AND LARGER GATE VALVE

I IR1.4 GATE VALVE

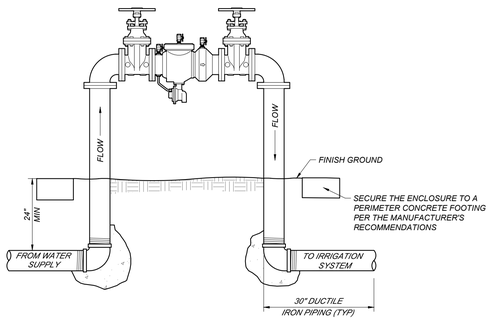
NOT TO SCALE



H IR1.4 FLOW SENSOR

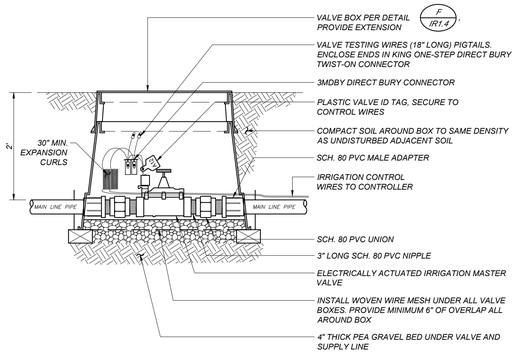
NOT TO SCALE

ALL RAW NON-GALVANIZED SURFACES AND DAMAGED SURFACES TO BE PAINTED WITH RUST INHIBITIVE PRIMER AND TWO COLOR COATS. COLOR TO BE APPROVED BY THE OWNER.



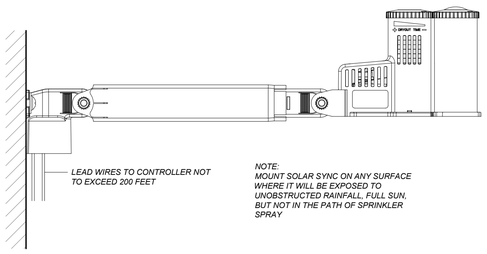
G IR1.4 ZURN WILKINS 375 BACKFLOW PREVENTER

NOT TO SCALE



K IR1.4 MASTER VALVE

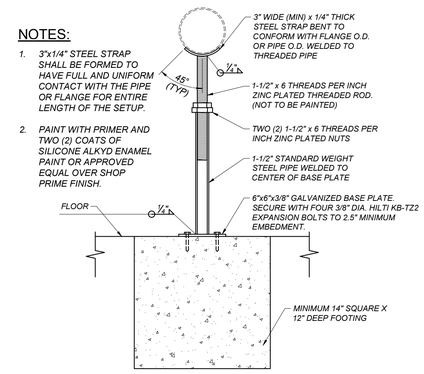
NOT TO SCALE



J IR1.4 HUNTER SOLAR SYNC

NOT TO SCALE

NOTES:
1. 3"x1/4" STEEL STRAP SHALL BE FORMED TO HAVE FULL AND UNIFORM CONTACT WITH THE PIPE OR FLANGE FOR ENTIRE LENGTH OF THE SETUP.
2. PAINT WITH PRIMER AND TWO (2) COATS OF SILICONE ALKYD ENAMEL PAINT OR APPROVED EQUAL OVER SHOP PRIME FINISH.



I IR1.4 VALVE/PIPE SUPPORT JACK

NOT TO SCALE

SEE SHEET IR1.1 AND IR1.2 FOR IRRIGATION PLAN AND IR1.3 FOR PUMP YARD

811 Know what's below. Call before you dig.

LICENSED LANDSCAPE ARCHITECT — BRILEY, NO. 2581 — 12/31/26 Renewal Date — STATE OF CALIFORNIA

Date Signed:

Blair, Church & Flynn CONSULTING ENGINEERS
Blair, Church & Flynn Consulting Engineers
453 Clovis Avenue, Suite 200
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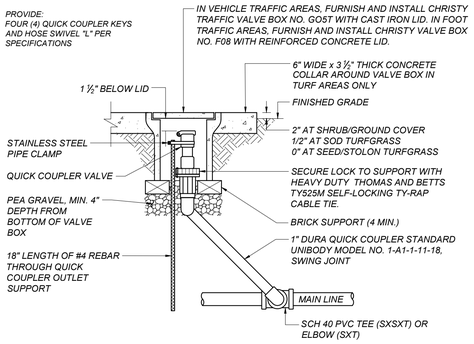
(559) 627.1926 Fax

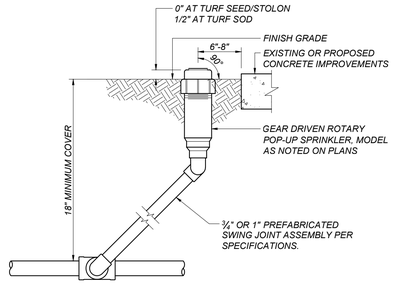
TITLE
IRRIGATION DETAILS

IR1.4

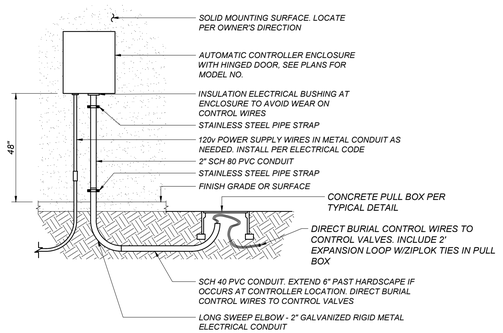
PROJECT 24043



A IR1.5 QUICK COUPLER VALVE
NOT TO SCALE



B IR1.5 POP-UP ROTOR
NOT TO SCALE



C IR1.5 EXTERIOR WALL MOUNTED CONTROLLER
NOT TO SCALE

WATER EFFICIENT LANDSCAPE WORKSHEET
Educational - DSA PR 15-03

Project: Modernization at Monroe ES
Location: Hanford, CA
ETo Reference (MWELO-Apdx. A): Hanford

MAWA = MAXIMUM APPLIED WATER ALLOWANCE (1,600 GALLONS)

TOTAL NEW BUILDING FOOTPRINT	0	SF	(1,600 sf is threshold for inclusion)
75% OF BLDG. SF REQ'D LANDSCAPE	0	SF	
EXIST. IRRIGATION REMOVED FROM SERVICE	2,949	SF	
REGULAR LANDSCAPE AREA	0	SF	(landscape area >500 sf)
SPECIAL LANDSCAPE AREA (SLA)	0	SF	
TOTAL PROPOSED LANDSCAPE AREA (LA)	0	SF	
TOTAL OVER (UNDER) REQUIRED AREA	2,949	SF	

NORMAL YEAR REFERENCE	ANNUAL	
EVAPOTRANSPIRATION (ETo)	51.5	
EFFECTIVE PRECIPITATION (25% OF ANNUAL)	0.0	
ADJUSTED EVAPOTRANSPIRATION	51.5	

MAWA=(ETo) x (0.62) [(0.65 x LA)+(0.35 x SLA)]	ANNUAL		2015 DWR/DSA Update
MAX. APPLIED WATER ALLOWANCE	**37.2**	K Gallons	
TOTAL IN ACRE/FT	0.1		
TOTAL IN CCF	50		

ETWU = ESTIMATED TOTAL WATER USE (1,000 GALLONS)

LANDSCAPE HYDROZONE TYPES	1,164	HA	PF	IE	ETAF
MIXED PLANTING (L)	0	SF	0.3	0.81	0.37
MIXED PLANTING (M)	0	SF	0.5	0.81	0.62
WARM-SEASON TURFGRASS (MH)	0	SF	0.6	0.75	0.80
SLA - RECREATIONAL/RECYCED WATER USE	1,164	SF	0.6	0.75	0.80
AVERAGE REGULAR ETAF:					
MAXIMUM AVERAGE REGULAR ETAF:					**0.65**
AVERAGE SITEWIDE ETAF:					0.80

ETWU=(ETo) x (0.62)x [(HA x PF/IE) + SLA]	ANNUAL		typical IE coeficients
MIXED PLANTING (L)	0		0.75 overhead sprinklers
MIXED PLANTING (M)	0		0.81 drip & bubblers
WARM-SEASON TURFGRASS (M)	0		
SLA - RECREATIONAL/RECYCED WATER USE	30		
ESTIMATED TOTAL WATER USE	**30**	K Gallons	
TOTAL IN ACRE/FT	0		
TOTAL IN CCF	40		

ETWU AS A PERCENT OF MAWA: 80%

GENERAL IRRIGATION NOTES:

1. *ALL ITEMS IN THE LEGEND ARE TO BE FURNISHED AND INSTALLED, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL FURNISH THE ARTICLES, EQUIPMENT, MATERIALS OR PROCESSES SPECIFIED BY NAME. NO SUBSTITUTION WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE DESIGN ENGINEER. (ALL MATERIAL REQUIRED SHALL BE NEW AND OF THE BEST QUALITY AVAILABLE)*
2. *THE DESIGN ENGINEER RESERVES THE RIGHT TO REJECT ANY MATERIAL OR WORK WHICH DOES NOT CONFORM TO THE CONTRACT PLANS AND SPECIFICATIONS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE DESIGN ENGINEER.*
3. *PRIOR TO STARTING WORK, THE CONTRACTOR SHALL VERIFY THE EXISTING SYSTEM COMPONENTS' LOCATION, SIZES AND ROUTING FOR BACKFLOW PREVENTERS, CONTROLLERS, MAIN AND LATERAL PIPING, VALVES, SPRINKLER HEADS AND CONTROL WIRE; AND SHALL CONFIRM THEIR OPERATIONAL STATUS IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL ALSO VERIFY THE AVAILABLE STATIC PRESSURE AT THE POINT-OF-CONNECTION. FAILURE TO NOTIFY THE OWNER'S REPRESENTATIVE BEFORE STARTING WORK OF ANY DEVIATION FROM THE INFORMATION SHOWN ON THE CONTRACT DOCUMENTS, OR NECESSARY REPAIRS TO THE EXISTING SYSTEM, SHALL MAKE THE CONTRACTOR RESPONSIBLE TO PROVIDE, AT HIS OWN EXPENSE, ANY CORRECTIVE WORK OR COMPONENTS NECESSARY FOR A FULLY FUNCTIONAL SYSTEM WITH FULL COVERAGE.*
4. *THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND KEEP ANY EXISTING IRRIGATION SYSTEM SCHEDULED TO REMAIN OPERATIONAL AT ALL TIMES DURING THE COURSE OF THIS WORK. THE CONTRACTOR SHALL REPLACE ANY PLANTS DEAD OR DISTRESSED DUE TO THE INTERRUPTION OF EXISTING IRRIGATION SCHEDULES AND SHALL PERFORM ALL WORK NECESSARY TO MAINTAIN THE EXISTING SYSTEM'S OPERATIONAL.*
5. *THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND PROTECT ALL EXISTING UTILITIES. UTILITIES SHOWN ARE FOR THE CONTRACTOR'S AWARENESS AND NO SURVEY HAS BEEN COMPLETE TO VERIFY THE ACCURACY OF THE UTILITIES SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO REPAIR ANY DAMAGED UTILITIES CAUSED BY CONSTRUCTION ACTIVITIES.*
6. *THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL DIMENSIONS SHOWN AND TO ADJUST SAID DIMENSIONS TO FIT SITE CONDITIONS AND ACTUAL EQUIPMENT INSTALLED.*
7. *THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION FACILITIES AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER.*
8. *THE IRRIGATION PLAN IS DIAGRAMMATIC. ALL PIPING, VALVES, AND HEADS SHALL BE LOCATED IN PLANTING AREAS WHENEVER POSSIBLE.*
9. *THE CONTRACTOR SHALL PROVIDE ADEQUATE SAFETY MEASURES TO WARN AND PROTECT THE PUBLIC, OTHER SITE CONTRACTORS AND HIS WORKERS FROM POSSIBLE INJURY DUE TO HIS CONSTRUCTION EQUIPMENT AND OPERATIONS.*
10. *DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL HIS WORK, AND PLAN HIS WORK ACCORDINGLY, FURNISHING SUCH FITTINGS, ETC., AS MAY BE REQUIRED TO INSTALL THE PROPOSED FACILITIES AND ACCOMMODATE THE SITE CONDITIONS. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE DONE TO PROVIDE A COMPLETE AND OPERATIONAL IRRIGATION SYSTEM. ALL WORK TO BE DONE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, LOCAL CODES AND ORDINANCES.*
11. *THE CONTRACTOR SHALL REPLACE ANY EXISTING PLANTS SCHEDULED TO REMAIN (SEE LANDSCAPE PLANS) THAT ARE DAMAGED BY THIS WORK WITH NEW PLANTS OF THE SAME SPECIES/VARIETY AND SIZE AS THE ORIGINAL.*
12. *ANY EXISTING TURFGRASS REMOVED FOR THIS WORK SHALL BE REPLANTED IF VIABLE, OR NEW SOD OF THE SAME SPECIES/VARIETY INSTALLED. THE UPPER 6 INCHES OF THE COMPACTED TRENCH BACKFILL SHALL BE CONDITIONED PER LANDSCAPE SPECIFICATIONS PRIOR TO SOD INSTALLATION. THE NEW SOD SURFACE SHALL BE FLUSH TO THE ADJACENT TURFGRASS WITHOUT HUMPS OR DEPRESSIONS.*
13. *INSTALL SLEEVES UNDER ALL ASPHALT/CONCRETE IMPROVEMENTS. SLEEVES SHALL BE PVC SCH. 40 PVC OR SDR 35 AND TWICE THE DIAMETER OF THE PIPE UNLESS OTHERWISE NOTED. CONTROL WIRING SHALL BE SLEEVED IN 2" SCH 40 PVC UNLESS OTHERWISE NOTED. MINIMUM DEPTH OF SLEEVES UNDER ALL ASPHALT/CONCRETE IMPROVEMENTS IS 18" BELOW SUBGRADE OR 24" BELOW FINISHED GRADE, WHICHEVER IS GREATER.*
14. *CONTRACTOR SHALL SAWCUT TO EXISTING JOINTS. REMOVE AND REPLACE SURFACING (CONCRETE, ASPHALT) AS NECESSARY TO INSTALL THE IRRIGATION SYSTEM.*
15. *THE CONTRACTOR SHALL PROVIDE AND KEEP AN UP-TO-DATE "RECORD DRAWING" SHOWING ALL CHANGES TO THE ORIGINAL DRAWINGS AND EXACT LOCATIONS OF THE FACILITIES INSTALLED. BEFORE FINAL INSPECTION, THE CONTRACTOR SHALL FURNISH MARKED "RECORD DRAWINGS" TO THE INSPECTOR.*
16. *CONCRETE ANCHORS OR THRUST BLOCKS SHALL BE PROVIDED ON ALL MAIN LINE PIPING. THEY ARE TO BE LOCATED AT ALL ABRUPT CHANGES IN PIPELINE GRADE, CHANGES IN HORIZONTAL ALIGNMENT, REDUCTION IN PIPE SIZES, END OF LINE AND IN-LINE VALVES TO ABSORB ANY AXIAL THRUST OF THE PIPE. THE PIPE MANUFACTURER'S RECOMMENDATIONS FOR THRUST CONTROL SHALL BE FOLLOWED. THRUST BLOCKS MUST BE FORMED AGAINST UNDISTURBED EARTH.*
17. *ALL MAIN LINE AND LATERAL LINE PIPES UNDER PAVEMENT SHALL BE PRESSURE TESTED WITH THE VALVES INSTALLED. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT NEEDED. IF ANY LEAKS DEVELOP, THE REPAIRS ARE TO BE MADE AND THE TEST REPEATED UNTIL THE SYSTEM IS PROVEN WATERTIGHT. THE CONTRACTOR IS TO CENTER LOAD THE PIPE AND LEAVE ALL JOINTS EXPOSED FOR INSPECTION. THE PRESSURE TEST SHALL BE OBSERVED AND APPROVED BY THE OWNER'S REPRESENTATIVE. WHEN THE PIPE IS PROVEN WATERTIGHT AND ONLY THEN MAY THE LINE BE BACKFILLED.*
18. *WIRED CONNECTIONS BETWEEN THE CONTROLLER AND REMOTE CONTROL VALVES SHALL BE MADE WITH ONE CONTINUOUS DIRECT BURIAL WIRE RUN. A VALVE BOX MUST BE PROVIDED AT THE CONTRACTOR'S EXPENSE AT ALL UNDERGROUND SPLICES.*
19. *ONLY TEFLON TAPE OR AN APPROVED TEFLON PASTE MAY BE USED AS THE SEALING MATERIAL TO MAKE ALL THREADED CONNECTIONS. A MINIMUM OF TWO (2) WRAPS IN THE DIRECTION OF THE THREADS TO BE USED FOR TAPE. NO OTHER PIPE JOINT MATERIAL WILL BE ALLOWED WITHOUT THE WRITTEN AUTHORIZATION FROM THE DESIGN ENGINEER.*
20. *THE CONTRACTOR SHALL PROVIDE TWO (2) INDIVIDUALLY BOUND SETS OF OPERATION AND MAINTENANCE MANUALS. THE MANUAL SHALL CONTAIN THE FOLLOWING INFORMATION:*

    A. CONTRACTOR'S ADDRESS AND PHONE NUMBER.
    B. DURATION OF GUARANTEE PERIOD (ONE YEAR AFTER FINAL ACCEPTANCE).
    C. NAMES, ADDRESSES AND PHONE NUMBERS OF LOCAL MANUFACTURER REPRESENTATIVES.
    D. COMPLETE SET OF MANUFACTURER'S LITERATURE AND SPECIFICATIONS.
    E. COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL MAJOR EQUIPMENT.
    F. ISSUE A "CERTIFICATE OF CONSTRUCTION COMPLIANCE" WHICH STATES THAT ALL WORK DONE AND MATERIALS AND EQUIPMENT USED ARE IN CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND ALL AUTHORIZED REVISIONS.
    G. INITIAL ELECTRICAL DATA ON EACH VALVE: (1) OHMMS READING FOR EACH VALVE TAKEN AT THE CONTROLLER. (2) VOLTAGE READING FOR EACH VALVE TAKEN BOTH AT THE CONTROLLER AND AT THE VALVE.
23. *THE CONTRACTOR SHALL PROVIDE TWO SETS OF CONTROLLER CHARTS. THE CHARTS TO BE A REDUCED DRAWING OF THE ACTUAL PLANS. THE CHARTS SHALL BE COLORED WITH A DIFFERENT COLOR FOR EACH IRRIGATION CIRCUIT. THE CHARTS SHALL BE COVERED IN A WATERTIGHT ENVELOPE.*
24. *IRRIGATION LINE TRENCHING AND PIPE INSTALLATION LOCATED WITHIN THE CANOPY DRIP LINE OF EXISTING TREES SHALL BE PERFORMED BY HAND OR BY AIR SPADE WITHOUT CUTTING OR DAMAGING EXISTING ROOTS GREATER THAN ONE INCH IN DIAMETER. SEE EXISTING LANDSCAPE PROTECTION SECTION FOR ADDITIONAL REQUIREMENTS.*
25. *REPLACE ALL DAMAGED EXISTING VALVE BOXES AND/OR LIDS WITHIN THE AREA OF WORK. ADJUST THE ELEVATION OF ALL EXISTING VALVE BOXES WITHIN THE AREA OF WORK TO FINISH GRADE AS NECESSARY TO COMPLY WITH THE VALVE BOX DETAIL.*

CONTRACTOR SPECIAL IRRIGATION NOTES:

1. *THE CONTRACTOR SHALL PERFORM AN OPERATIONAL ASSESSMENT OF THE EXISTING IRRIGATION SYSTEM WITHIN THE AREA OF WORK WITH THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION OPERATIONS.*
2. *THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING PLANTING SCHEDULED TO REMAIN SHALL CONTINUE TO BE IRRIGATED THROUGHOUT THE COURSE OF CONSTRUCTION OPERATIONS. ANY DAMAGE TO THE EXISTING IRRIGATION SYSTEM THAT IMPACTS EXISTING PLANTING TO REMAIN SHALL BE IMMEDIATELY REPAIRED TO THE OWNER'S SATISFACTION.*
3. *PRIOR TO THE START OF ANY SHRUB, GROUND COVER, AND/OR TURFGRASS PLANTING, AN OPERATIONAL REVIEW OF THE IRRIGATION SYSTEM SHALL BE PERFORMED FOR PROPER COVERAGE AND SOIL MOISTURE DEPTH BY THE OWNER'S REPRESENTATIVE. ALL CORRECTIONS AND/OR ADJUSTMENTS SHALL BE COMPLETED AND VERIFIED BY THE OWNER'S REPRESENTATIVE BEFORE GROUND LEVEL PLANTING MAY COMMENCE.*
4. *THE ORIGINAL IRRIGATION SYSTEM OBSERVATION LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.*
5. *THE AS-BUILT RECORD DRAWING SET AND OTHER CLOSE-OUT ITEMS SHALL BE SUBMITTED AND ACCEPTED PRIOR TO THE SCHEDULING OF A FINAL ACCEPTANCE REVIEW.*
6. *UNLESS NOTED OTHERWISE, SALVAGE AND RETURN TO THE OWNER ALL IRRIGATION VALVES, HEADS AND OTHER EQUIPMENT COMPONENTS REMOVED AS PART OF THE WORK. SALVAGED COMPONENTS SHALL BE CLEAN AND IN WORKING CONDITION UNLESS NOTED AS NON-OPERATIONAL DURING THE OPERATIONAL ASSESSMENT.*

WATER CONSERVATION COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE PERFORMANCE COMPLIANCE OPTION CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

DAVID W. BRILEY, RLA 2787

IRRIGATION SYSTEM OBSERVATION LOG:

ITEM NO.	WORK ITEM DESCRIPTION	REVIEWED & ACCEPTED BY OWNER'S REPRESENTATIVE: PRINT NAME	SIGNATURE	DATE
IR-1	EXISTING SYSTEM OPERATION & PRESSURE CHECK			
IR-2	PIPING/WIRE SLEEVES UNDER PAVEMENT			
IR-3	MAIN LINE INSTALLATION & PRESSURE TEST			
IR-4	VALVE INSTALLATIONS			
IR-5	IRRIGATION COVERAGE PRIOR TO PLANTING			
IR-6	CONTROL EQUIPMENT INSTALLATION			
IR-7	BOOSTER PUMP INSTALLATION & START-UP (MANUF.)			
IR-8	FINAL SYSTEM OPERATION REVIEW			

NOTES:
1. THE ORIGINAL VERSION OF THIS LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.
2. WORK ITEMS MAY NOT BE REVIEWED IF PRIOR WORK ITEMS HAVE NOT BEEN ACCEPTED.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE OWNER'S REPRESENTATIVE IS NOTIFIED OF THESE MILESTONE WITNESS POINTS.

SEE SHEET IR1.1 AND IR1.2 FOR IRRIGATION PLAN AND IR1.3 FOR PUMP YARD

811 Know what's below. Call before you dig.

LICENSED LANDSCAPE ARCHITECT — DAVID W. BRILEY, NO. 2787 — Signature — 12/31/26 Renewal Date — Date — Date Signed:

Blair, Church & Flynn CONSULTING ENGINEERS
Blair, Church & Flynn Consulting Engineers
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

APPROVALS
FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT — JAMES R. MORRELL — No. C-21128 — REN. 05-31-27 — STATE OF CALIFORNIA
DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

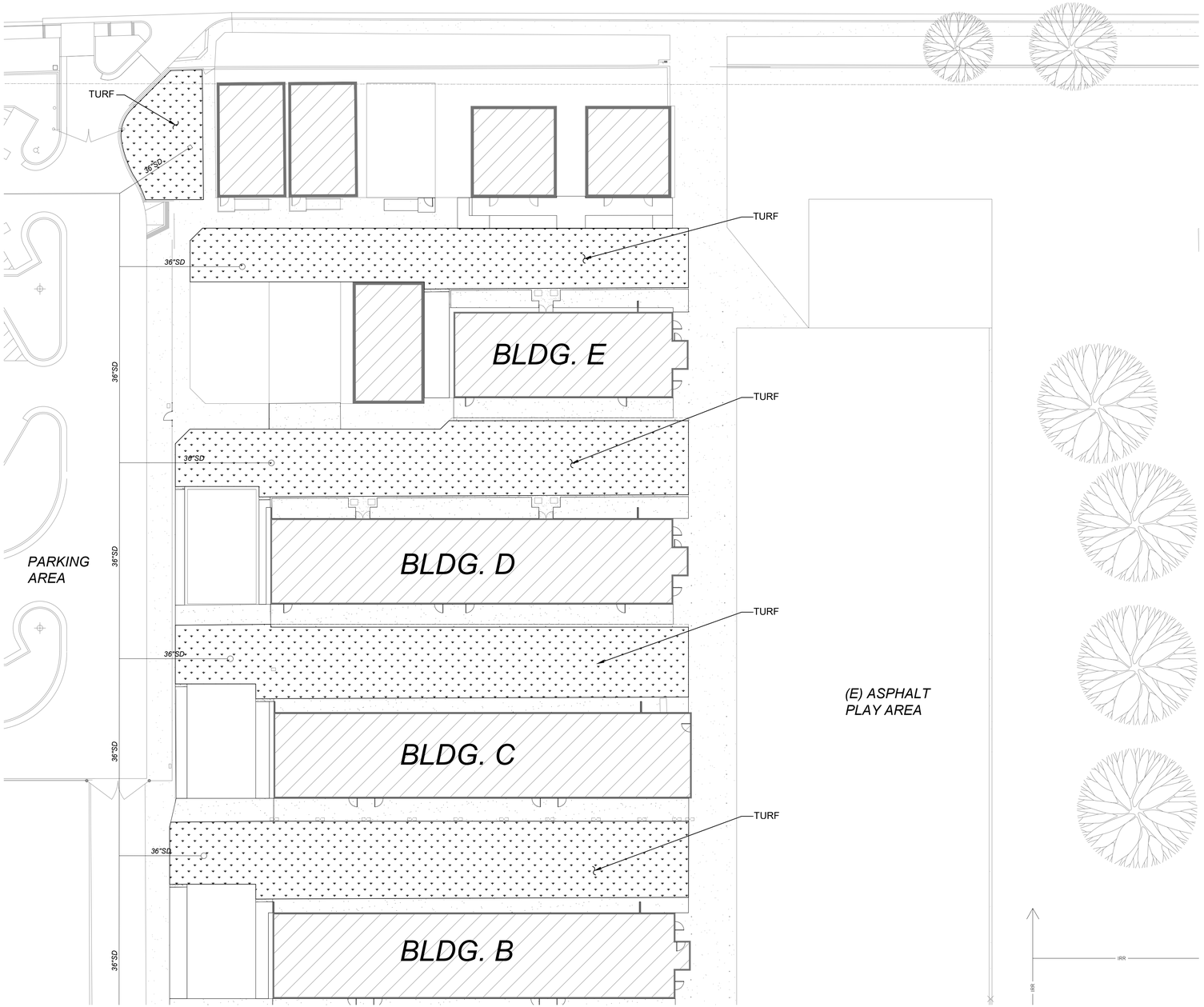
REVISIONS

MANGINI ARCHITECTURE INCORPORATED
BARENG MORRELL SCOTT
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
IRRIGATION DETAILS

IR1.5

PROJECT 24043



SEE SHEET L1.2 FOR CONTINUATION

PLANT LEGEND

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	QTY	DETAIL	REMARKS
GROUND COVERS							
	MULCH	WALK-ON WOOD MULCH	N/A	N/A	28 SF	N/A	MIN. 3 INCH DEPTH TO MIXED PLANTING AREA
	TURF	'CELEBRATION' BERMUDAGRASS	SOD	M	66,622 SF	A/L1.3	SOD REPAIR TO LIMITS OF DISTURBANCE, 2' MINIMUM
A		PROTECT EXISTING TREE IN PLACE. TPZ 2 (TREE PROTECTION ZONE) PER SECTION 320190					

WATER CONSERVATION COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE PERFORMANCE COMPLIANCE OPTION CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

DAVID W. BRILEY, RLA 2787

LANDSCAPE SHADE CALCULATIONS	SHADING PER CALGREEN 5.106.12		
SITE SHADING - LANDSCAPE & HARDSCAPE	**QUANTITY PROPOSED (SF)**	**PERCENT REQUIRED**	**SHADE AREA REQUIRED (SF)**
LANDSCAPED AREA (EXCLUDING SPECIAL USE & PARKING LANDSCAPE AREAS)	0	20	0
HARDSCAPE AREA (EXCLUDING PARKING HARDSCAPE AREAS)	612	20	122
TOTAL SITE AREA REQUIRING SHADE			122
SHADE CREDIT FROM SOLAR OR OTHER SHADE STRUCTURES			12,380
SHADE CREDIT FROM EXISTING TREES			707
TOTAL SHADE FROM NEW TREES REQUIRED			-12965
PROVIDED SHADE TREES	**PROVIDED SHADE AREA**	**NO. TREES**	
VERY LARGE (40' dia.= 1256 SF)	0	0	
LARGE (35' dia.= 962 SF)	0	0	
MEDIUM (30' dia.= 707 SF)	0	0	
SMALL (20' dia.= 314 SF)	0	0	
TOTALS	0	0	
OVER (UNDER) LANDSCAPE & HARDSCAPE SHADE REQUIREMENT			12,965

LANDSCAPE PLANTING OBSERVATION LOG:				
		REVIEWED & ACCEPTED BY OWNER'S REPRESENTATIVE		
ITEM NO.	WORK ITEM DESCRIPTION	PRINT NAME	SIGNATURE	DATE
PL-1	REPORT & PROTECTION OF EXISTING TREES			
PL-2	RIPPING OF PLANTING AREAS			
PL-3	SOIL CONDITIONING & TILLAGE DEPTH			
PL-4	IRRIGATION COVERAGE PRIOR TO PLANTING			
PL-5	FINISH GRADING PRIOR TO PLANTING			
PL-6	TREES - INITIAL QUALITY & LAYOUT	N/A		
PL-7	PLANTS - INITIAL QUALITY & LAYOUT	N/A		
PL-8	GRANULAR PRE-EMERGENT HERBICIDE IN MULCHED AREAS	N/A		
PL-9	WOOD MULCH DEPTH	N/A		
NOTES:	THE ORIGINAL VERSION OF THIS LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.			
	WORK ITEMS MAY NOT BE REVIEWED IF PRIOR WORK ITEMS HAVE NOT BEEN ACCEPTED.			
	IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE OWNER'S REPRESENTATIVE IS NOTIFIED OF THESE MILESTONE WITNESS POINTS.			

SEE SHEET L1.3 FOR PLANTING DETAILS

Know what's below. Call before you dig.

LICENSED LANDSCAPE ARCHITECT — DAVID W. BRILEY, RLA 2787 — Signature — 12/31/26 Renewal Date — Date — STATE OF CALIFORNIA

Date Signed:

SCALE: N 1"=20'

0 5 20 40 SCALE IN FEET

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT — JAMES R. MORRELL — No. C-31128 — REN. 05-31-27 — STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INCORPORATED
BARENG MORRELLI SCOTT
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

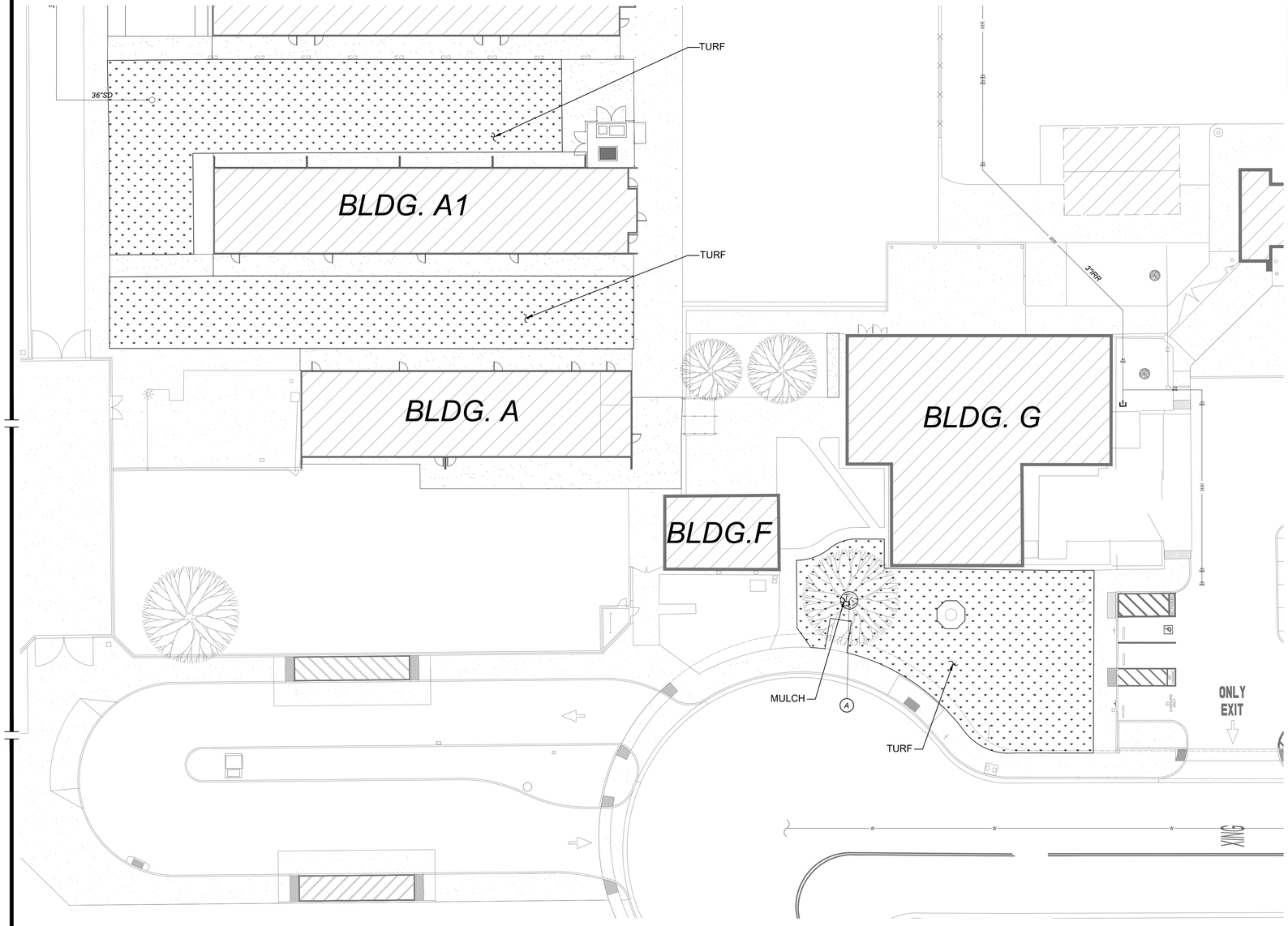
TITLE
PLANTING PLAN

L1.1

PROJECT 24043

Blair, Church & Flynn
CONSULTING ENGINEERS
Blair, Church & Flynn Consulting Engineers
453 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

SEE SHEET L1.1 FOR CONTINUATION



PLANT LEGEND

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	QTY	DETAIL	REMARKS
GROUND COVERS							
	MULCH	WALK-ON WOOD MULCH	N/A	N/A	28 SF	N/A	MIN. 3 INCH DEPTH TO MIXED PLANTING AREA
	TURF	'CELEBRATION' BERMUDAGRASS	SOD	M	66,622 SF	A/L1.3	SOD REPAIR TO LIMITS OF DISTURBANCE, 2' MINIMUM
(A)		PROTECT EXISTING TREE IN PLACE. TPZ 2 (TREE PROTECTION ZONE) PER SECTION 320190					

SEE SHEET L1.3
FOR PLANTING DETAILS

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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LICENSED ARCHITECT
JAMES R. MORRELLI
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
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www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
PLANTING PLAN

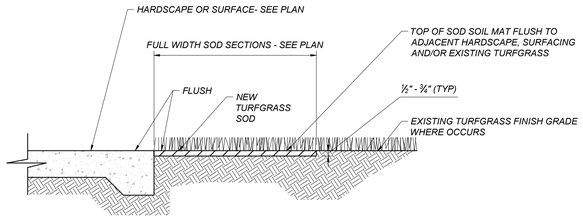
L1.2

PROJECT 24043

Know what's below. Call before you dig.

LICENSED LANDSCAPE ARCHITECT
MARK BRILEY NO. 2...
Signature
12/31/26
Renewal Date
Date
Date Signed:

Blair, Church & Flynn
CONSULTING ENGINEERS
Blair, Church & Flynn
Consulting Engineers
451 Clovis Avenue,
Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500



NOTE:

IF THE EXISTING TURFGRASS FINISH GRADE IS HIGHER OR LOWER THAN THE NEW FINISH SURFACE, TRANSITION GRADE THE NEW SOD AT A MAXIMUM 1V:12H SLOPE

A / L1.3 TURF SOD INSTALLATION

NOT TO SCALE

TREE SIZE AND QUALITY STANDARDS									
AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1) AND GUIDELINE SPECIFICATIONS FOR NURSERY TREE QUALITY (URBAN TREE FOUNDATION SHALL APPLY									
	TYPES 1 & 2 SHADE TREES			TYPE 3 SMALL UPRIGHT TREES **			TYPE 4 SMALL SPREADING TREES ***		
CONTAINER SIZE	MIN. CALIPER	MAX. CALIPER	TYPE 1 MIN./MAX. HEIGHT *	MIN. CALIPER	MAX. CALIPER	MIN./MAX. HEIGHT	MIN. CALIPER	MAX. CALIPER	MIN./MAX. HEIGHT
15 GALLON	0.75	2.0	7-10 FT	0.75	2.0	6-8 FT	0.75	2.0	4-8 FT
24" BOX	1.25	3.0	8-12 FT	1.25	3.0	8-10 FT	1.25	3.0	6-10 FT
36" BOX	1.75	3.5	10-16 FT	1.75	3.5	10-14 FT	1.75	3.5	7-12 FT
42" BOX	2.0	4.0	12-20 FT	2.0	4.0	12-18 FT	2.0	4.0	8-14 FT
48" BOX	2.5	5.0	14-26 FT	2.5	5.0	14-22 FT	2.5	5.0	9-16 FT

* TYPE 2 TREE HEIGHTS SHALL NOT BE LESS THAN TWO-THIRDS THE LISTED HEIGHT RANGE.

** TYPE 3 TREES SHALL HAVE A MINIMUM OF SEVEN BRANCHES.

*** TYPE 4 TREES SHALL HAVE A MINIMUM OF EIGHT BRANCHES.

CALIPER MEASUREMENT FOR CLUMP OR MULTI-STEM TREES IS ONE-HALF THE SUM OF THE THREE LARGEST TRUNK CALIPERS.

CALIPER MEASUREMENT FOR <4" TRUNK IS +6" ABOVE ROOTBALL (NOT INCLUDING ROOTSTOCK). >4" TRUNK IS +12".

TREES SHALL HAVE A CENTRAL LEADER. NEW LEADERS LESS THAN HALF THE DIAMETER OF A HEADED LEADER, BROKEN OR CO-DOMINATE LEADERS ARE NOT ACCEPTABLE.

SCAFFOLD BRANCHES SHALL BE LESS THAN 2/3 THE DIAMETER OF THE TRUNK, WITHOUT INCLUDED BARK AT ATTACHMENT. SCAFFOLD BRANCHES SHALL BE BALANCED, WELL SPACED VERTICALLY, AND WITH A RADIALLY BLANK SECTOR NO GREATER THAN 1/3 OF THE CANOPY CIRCUMFERENCE.

TEMPORARY BRANCHES ON THE LOWER TRUNK SHALL BE LESS THAN 3/8 INCH DIAMETER; AND THE CLEAR TRUNK HEIGHT SHALL BE NO MORE THAN 40% OF THE TOTAL TREE HEIGHT.

THE ROOT COLLAR AND ROOTBALL SHALL BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED AND GIRDLING ROOTS. ROOTS THE EDGE AND BOTTOM OF THE CONTAINER SHALL BE LESS THAN 1/4 INCH DIAMETER, AND UNIFORM THROUGHOUT THE CONTAINER.

TREE CANOPY WIDTH SHALL BE A MINIMUM OF 25% OF THE STANDARD FORM TREE HEIGHT.

DO NOT HEAD BACK OR PRUNE TREES UNLESS APPROVED AND/OR DIRECTED TO BY THE LANDSCAPE ARCHITECT.

CONTRACTOR SPECIAL PLANTING NOTES:

1. *AN ASSESSMENT AND VALUATION OF ONSITE EXISTING TREES SCHEDULED TO REMAIN IN THE AREA OF WORK SHALL BE PERFORMED BY THE CONTRACTOR'S ARBORIST PRIOR TO THE START OF CONSTRUCTION OPERATIONS PER THE 'EXISTING LANDSCAPE PROTECTION' SPECIFICATION.*
2. *THE CONTRACTOR SHALL RIP, CONDITION AND TILL THE ENTIRE EXTENT OF ALL PLANTING AREAS RECEIVING NEW PLANTS PER THE PLANTING NOTES AND 'LANDSCAPE PLANTING' SPECIFICATIONS.*
3. *ALL EXISTING MIXED PLANTING AREAS RECEIVING NEW WOOD MULCH SHALL BE MANUALLY TILLED TO A MINIMUM DEPTH OF 4 INCHES, CLODS BROKEN UP TO A MAXIMUM 1 INCH DIAMETER, FINISH GRADED TO 2 INCHES BELOW ADJACENT SURFACES AND UTILITY/IRRIGATION BOXES WITHIN 12 INCHES OF THE HARDSCAPE EDGE OR BOX, AND A GRANULAR PRE-EMERGENT HERBICIDE APPLIED PRIOR TO WOOD MULCH INSTALLATION. PROTECT EXISTING PLANTING DURING WOOD MULCH PREPARATION AND INSTALLATION.*
4. *THE ORIGINAL PLANTING OBSERVATION LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.*
5. *THE AS-BUILT RECORD DRAWING SET AND MAINTENANCE MANUAL SHALL BE SUBMITTED AND ACCEPTED PRIOR TO THE SCHEDULING OF A FINAL ACCEPTANCE REVIEW.*

PLANTING NOTES:

1. *IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE IF IT IS OBVIOUS THAT OBSTRUCTIONS OR STRUCTURES, IRRIGATION SYSTEM MALFUNCTION, EXISTING TREES OR PLANTS, GRADE DIFFERENCES OR CHANGES IN THE SITE PLAN ARE PRESENT THAT WILL IMPACT THE PLANTING DESIGN. FAILURE TO GIVE SUCH NOTIFICATION SHALL PLACE THE RESPONSIBILITY ON THE CONTRACTOR FOR ANY REVISIONS OR REPLACEMENTS NECESSARY FOR CORRECTION.*
2. *ANY EXISTING PLANTING SHOWN ON THE PLAN IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY THE EXISTING PLANTING AT THE SITE PRIOR TO STARTING WORK. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL PROTECT THE EXISTING PLANTING ADJACENT TO THE WORK FROM DAMAGE OR DISTRESS.*
3. *ALL TREES AND SHRUBS SHALL BE OF CLASS A QUALITY WITHOUT PESTS, DISEASE OR DAMAGE, SHALL BE WELL ESTABLISHED IN THEIR CONTAINERS WITHOUT GIRDLING ROOTS OR EXCESSIVE TOP GROWTH, AND SHALL COMPLY WITH THE REQUIREMENTS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1).*
4. *NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION OF IRRIGATION COMPONENTS AND TREE AND/OR SHRUB PLANTING FOR APPROVAL OF THE PLANT LAYOUT AND PLANT QUALITY. PLANT LOCATIONS SHALL AVOID CONFLICTS WITH EXISTING IMPROVEMENTS, PLANTINGS OR UTILITIES, LIGHT POLES WHILE MEETING THE DESIGN INTENT. DO NOT PLANT TREES WITHIN 15 FEET OF LIGHT POLES UNLESS SPECIFICALLY AUTHORIZED. FAILURE TO OBTAIN SUCH APPROVAL SHALL PLACE THE RESPONSIBILITY ON THE CONTRACTOR FOR ANY RELOCATION OR REPLACEMENT OF IRRIGATION COMPONENTS, PLANTED TREES AND/OR SHRUBS.*
5. *PLANT QUANTITIES ARE PROVIDED FOR BIDDING CONVENIENCE ONLY. THE CONTRACTOR SHALL PROVIDE SUFFICIENT QUANTITIES OF PLANTS EQUAL TO THE SYMBOL COUNT OR TO FILL THE AREA SHOWN ON THE PLAN AT THE SPECIFIED TRIANGULAR SPACING.*
6. *WHERE GROUND COVER PLANTS ARE SHOWN AT A SPECIFIED SPACING, THE GROUND COVER PLANTING CONTINUES UNDERNEATH THE TALLER SHRUBS AND TREES AS SHOWN IN THE PLANTING DETAILS. DO NOT PLANT GROUND COVER IN SHRUB OR TREE WATERING BASINS.*
7. *ALL NEW TREES LOCATED WITHIN 8 FEET OF PAVEMENT OR STRUCTURES SHALL HAVE A ROOT CONTROL BARRIER INSTALLED WHEN PLANTED. UNLESS OTHERWISE SPECIFIED, INSTALL A 12 FOOT LONG X 24 INCH DEEP LINEAR POLYETHYLENE BARRIER VESPRO OR EQUAL AT THE EDGE OF PAVEMENT/STRUCTURE, CENTERED ON THE TREE TRUNK AS SHOWN IN THE PLANTING DETAILS.*
8. *REMOVE NURSERY STAKES FROM TREES AFTER TREE STAKING OR GUYING AS SHOWN IN THE DETAILS.*
9. *INSTALL PERFORATED POLYETHYLENE TREE TRUNK PROTECTORS FOR ALL NEW TREES PLANTED IN TURF. UNLESS NOTED OTHERWISE, MAINTAIN A MINIMUM 6 FOOT DIAMETER MULCHED AREA AT THE BASE OF THE TREE INSIDE THE WATERING BASIN.*
10. *THE CONTRACTOR SHALL PRUNE NEW TREES ONLY WHEN SPECIFICALLY DIRECTED BY THE LANDSCAPE ARCHITECT. TREES HEADED BACK WITHOUT INTACT SCAFFOLDING BRANCH STRUCTURE OR IN ROOT-BOUND CONTAINERS SHALL BE REJECTED.*
11. *SUBMIT REPRESENTATIVE SOIL SAMPLES OF NATIVE AND PROPOSED IMPORT, IF NEEDED, PLANTING TOPSOIL TO A SOIL LAB FOR HORTICULTURAL ANALYSES AND FERTILITY RECOMMENDATIONS. AMEND SOIL ACCORDING TO THE RECOMMENDATIONS OF THE SOILS REPORT AND LANDSCAPE ARCHITECT'S DIRECTION. SEE THE LANDSCAPE PLANTING SPECIFICATIONS FOR ADDITIONAL INSTRUCTIONS.*
12. *PROVIDE SANDY LOAM TOPSOIL PER SPECIFICATION IN ALL RAISED PLANTERS AND WHERE IMPORT TOPSOIL IS REQUIRED. NATIVE SITE SOIL MAY BE USED IN RAISED PLANTERS ONLY WHEN THE NATIVE SITE SOIL MEETS THE CRITERIA FOR SANDY LOAM TOPSOIL AS DETERMINED BY A SOIL ANALYSIS.*
13. *PRIOR TO SOIL CONDITIONING IN NEW PLANTING AREAS, RIP IN TWO DIFFERENT DIRECTIONS WITH TINES AT 12 INCH SPACING, ALL TURFGRASS AREAS TO A 12 INCH DEPTH, AND SHRUB/GROUND COVER AREAS TO A 18 INCH DEPTH. ROUGH GRADE AND TILL THE APPROVED SOIL CONDITIONERS AND FERTILIZERS INTO THE TOP SIX (6) INCHES OF ALL PLANTING AREAS PER THE LANDSCAPE PLANTING SPECIFICATIONS. COMPOST RATE SHALL BE A MINIMUM OF SIX (6) CUBIC YARDS PER 1,000 SQUARE FEET OR AS MODIFIED BY THE LANDSCAPE ARCHITECT BASED ON THE SOIL FERTILITY ANALYSIS.*
14. *UPON THE COMPLETION OF THE SOIL CONDITIONING, REMOVE ROCKS AND CLODS 1 INCH DIAMETER AND GREATER FROM THE TOP TWO INCHES OF TOPSOIL, AND ALL DEBRIS. FINISH GRADE THE AREA TO +/- 0.04 FOOT TOLERANCE. FINISH GRADE AREAS SHALL BE STRAIGHT GRADES WITHOUT HUMPS OR DEPRESSIONS. IN MULCHED AREAS, THE FINISH GRADE SHALL BE 2 INCHES BELOW ADJACENT HARDSCAPE, INLETS OR UTILITY BOX COLLARS. RELATIVE DENSITY OF THE TOPSOIL SHALL NOT EXCEED 85% COMPACTION.*
15. *OBTAIN THE APPROVAL OF THE OWNER'S REPRESENTATIVE TO BEGIN PLANTING OPERATIONS ONCE THE IRRIGATION SYSTEM IS OPERATIONAL AND THE SOIL CONDITIONING AND FINISH GRADING IS COMPLETED.*
16. *AFTER PLANTING IS COMPLETED AND JUST PRIOR TO MULCH INSTALLATION, APPLY A BROAD SPECTRUM PRE-EMERGENT HERBICIDE TO ALL NON-TURFGRASS PLANTING AREAS PER THE MANUFACTURER'S SPECIFICATIONS.*
17. *WHERE MULCH IS TO BE INSTALLED IN AN EXISTING PLANTING AREA, BREAKUP/TILL THE EXISTING SOIL TO A MINIMUM 6 INCH DEPTH PER SPECS, AND ADJUST FINISH GRADE ADJACENT TO HARDSCAPE AND DRAINAGE ELEMENTS TO PROVIDE A 2 INCH DEPTH THAT TRANSITIONS TO THE EXISTING GRADE OVER 1 TO 2 FEET.*
18. *INSTALL A MINIMUM 3 INCH DEPTH OF CHIPPED WALK-ON WOOD MULCH IN ALL PLANTING AREAS AND TREE WATERING BASINS EXCEPT FOR TURFGRASS AREAS. SLOPES 3H:1V OR GREATER, AREAS TO RECEIVE SEED PLANTING, OR AS NOTED ON THE PLAN. AREAS PLANTED WITH FLATS SHALL HAVE A MINIMUM MULCH DEPTH OF 2 INCHES. INSTALL A MINIMUM 3 FOOT RADIUS OF 3 INCH DEEP WOOD MULCH AT THE BASE OF ALL TREES IN NEW TURFGRASS AREAS.*
19. *ALL EXISTING PLANTS AND/OR TURFGRASS SHOWN TO REMAIN AND DAMAGED OR REMOVED BY CONSTRUCTION OPERATIONS AND/OR UTILITY/IRRIGATION/DRAINAGE LINES SHALL BE REPLACED WITH PLANTS THAT MATCH AS CLOSELY AS POSSIBLE TO THE EXISTING PLANT SPECIES, VARIETY AND SIZE. THE REPLACEMENT TURFGRASS SOD VARIETY SHALL BE THE SAME AS SHOWN IN THE PLANTING LEGEND AS IF FOR NEW WORK, OR SHALL MATCH THE EXISTING TURFGRASS VARIETY WHERE EXISTING. TILL SOIL CONDITIONING MATERIALS INTO THE TOP 6 INCHES OF THE SOIL OVER THE AREA OF REPAIR/REPLACEMENT AS IF FOR NEW WORK. ADJUST FINISH GRADE SO NEW TURFGRASS SOD ABUTS FLUSH TO EXISTING SOD GRADE. THE REPLACEMENT PLANTS AND/OR TURFGRASS SOD SHALL BE MAINTAINED AS PART OF THE ORIGINAL SCOPE OF WORK. THE REPAIR OR REPLACEMENT WORK SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE.*
20. *CONTRACTOR SHALL MAINTAIN THE NEW PLANTING FOR HEALTHY AND VIGOROUS GROWTH, WHICH INCLUDES BUT IS NOT LIMITED TO WATERING, WEEDING, FERTILIZING, MOWING AND EDGING (AT LEAST ONCE A WEEK), REMOVING TRASH AND DEBRIS, AND OTHER RELATED ACTIVITIES THROUGHOUT THE DURATION OF THE MAINTENANCE PERIOD UNTIL FINAL ACCEPTANCE.*

SEE SHEET L1.1 AND L1.2 FOR PLANTING PLAN

Know what's below. Call before you dig.

LICENSED LANDSCAPE ARCHITECT — JEFFREY BRILEY No. 2987 — Signature — 12/31/26 Renewal Date — Date — STATE OF CALIFORNIA

Date Signed:

Blair, Church & Flynn CONSULTING ENGINEERS

Blair, Church & Flynn Consulting Engineers
451 Clovis Avenue, Suite 200
Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT — JAMES R. MORRELL — No. C-21128 — REN. 05-31-27 — STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INCORPORATED

BARENG MORRELL SCOTT

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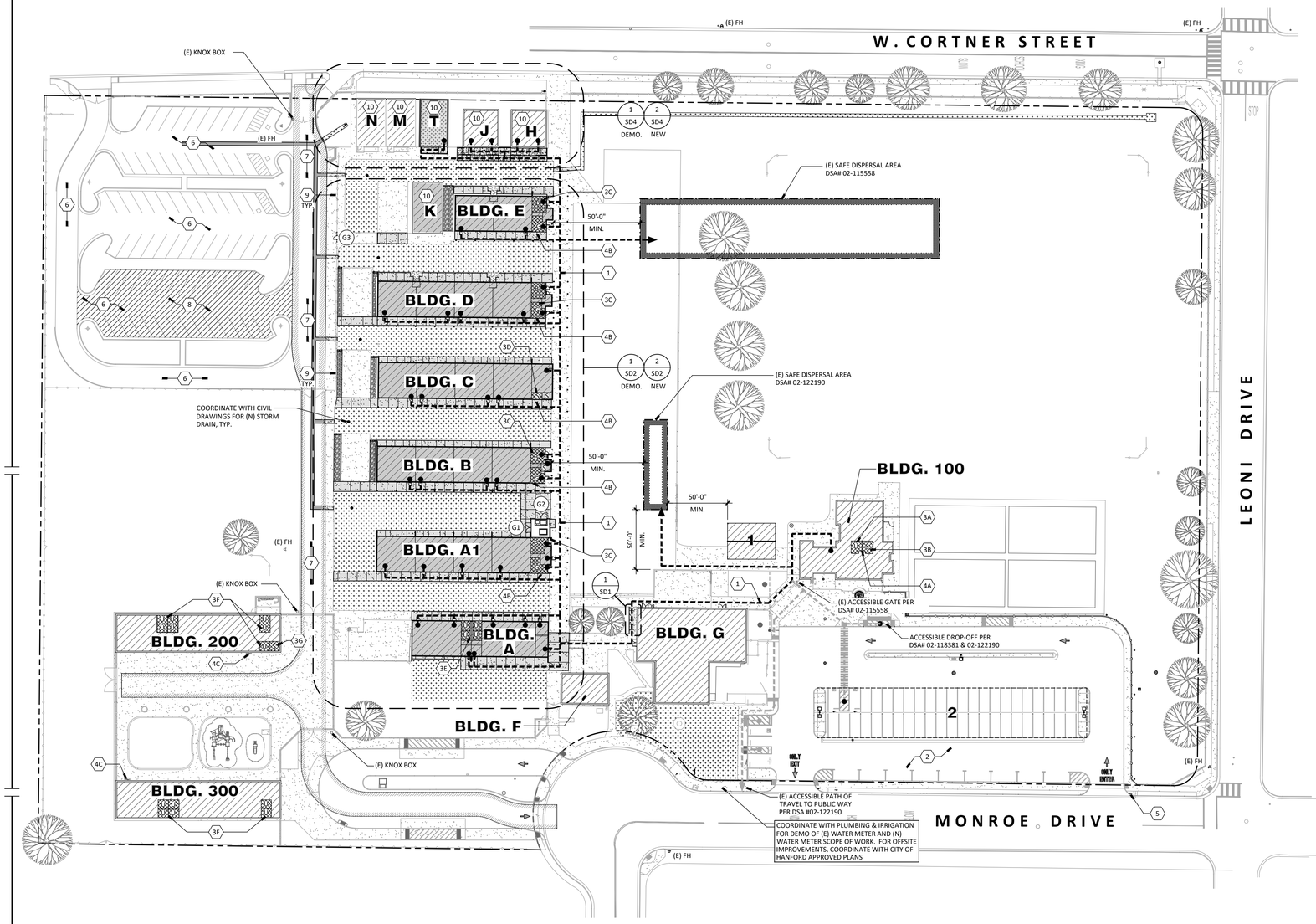
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE

PLANTING DETAILS

L1.3

PROJECT 24043



OVERALL SITE PLAN

SCALE: 1" = 50'-0"

SITE PLAN LEGEND

- EXISTING BUILDING
- EXISTING CONCRETE TO REMAIN, PROTECT
- EXISTING BUILDING TO BE MODERNIZED
- EXISTING RELOCATABLE BUILDING RELOCATED FROM SAME SITE (SEE ATTACHED MFR. DWGS.: PC #56013, APPL. #56032)
- ACCESSIBLE TOILETS
- NEW CONCRETE PAVING
- ASPHALT PAVING PATHBACK/INFILL AS REQUIRED, SEE CIVIL DRAWINGS
- LANDSCAPING, SEE LANDSCAPE DWGS.
- DECOMPOSED GRANITE, SEE 14 SD5
- EXISTING SAFE DISPERSAL AREA
- EXISTING 20'-0" WIDE FIRE LANE
- PROPERTY LINE
- EXISTING CHAIN LINK FENCE
- ACCESSIBLE PATH OF TRAVEL, THIS APPLICATION
- EXISTING ACCESSIBLE PATH OF TRAVEL PER DSA #02-122190
- (E) FH EXISTING FIRE HYDRANT

SITE PLAN NOTES:

1 ACCESSIBLE PATH OF TRAVEL :

PATH OF TRAVEL (P.O.T.) AS VERIFIED BY THE ARCHITECT IS:
- A COMMON BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL.
- THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH.
- PASSING SPACES AT LEAST 60" x 60" ARE LOCATED NOT MORE THAN 200' APART (11B-403.5.3).
- CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART (11B-403.7).
- CROSS-SLOPE DOES NOT EXCEED 2%.
- SLOPE IN THE DIRECTION OF TRAVEL IS 5% OR LESS UNLESS OTHERWISE INDICATED AS A RAMP.
- MAINTAIN P.O.T. FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH GRADE (11B-307.4).

2 ACCESSIBLE PARKING :

EXISTING PARKING LOT IS ADA COMPLIANT, PER DSA #02-122190
PARKING LOT COUNT:
- 58 EXISTING PARKING STALLS
- 3 ACCESSIBLE STALLS REQUIRED
- 1 ACCESSIBLE + 2 VAN ACCESSIBLE STALL PROVIDED PER DSA #02-118381

ACCESSIBLE TOILETS:

- 3A EXISTING ACCESSIBLE UNISEX STUDENT TOILET ROOMS PER DSA #02-115558
- 3B EXISTING ACCESSIBLE UNISEX STAFF TOILET ROOMS PER DSA #02-115558
- 3C ACCESSIBLE BOYS (B) & GIRLS (G) TOILET ROOMS PER THIS APPLICATION
- 3D ACCESSIBLE STAFF (S) TOILET ROOM PER THIS APPLICATION
- 3E ACCESSIBLE UNISEX STUDENT (U) TOILET ROOMS PER THIS APPLICATION
- 3F EXISTING ACCESSIBLE UNISEX STUDENT TOILET ROOMS PER DSA #02-122190
- 3G EXISTING ACCESSIBLE UNISEX STAFF TOILET ROOMS PER DSA #02-122190

ACCESSIBLE DRINKING FOUNTAIN:

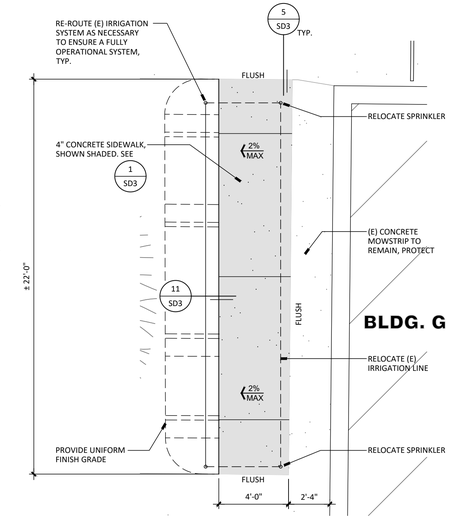
- 4A EXISTING ACCESSIBLE DRINKING FOUNTAIN PER DSA #02-115558
- 4B ACCESSIBLE DRINKING FOUNTAIN PER THIS APPLICATION
- 4C EXISTING ACCESSIBLE DRINKING FOUNTAIN PER DSA #02-122190

5 PARKING ENTRANCE SIGN

EXISTING TOW-AWAY SIGN PER DSA #02-118381

MISC.

- 6 EXISTING ASPHALT PARKING LOT SHALL BE RE-STRIPED TO MATCH (E) AND SEALED AT END OF PROJECT. PATCH & REPAIR AREAS DAMAGED DURING CONSTRUCTION
- 7 EXISTING ASPHALT FIRE LANE SHALL BE SEALED AT END OF PROJECT. PATCH & REPAIR AREAS DAMAGED DURING CONSTRUCTION
- 8 AREA SHOWN CROSS HATCHED SHALL BE DESIGNATED FOR CONTRACTOR LAY DOWN / MATERIAL STORAGE
- 9 EXISTING CHAIN-LINK FENCE FABRIC CAN BE REMOVED IF NEEDED FOR MOBILIZATION DURING CONSTRUCTION. CONTRACTOR SHALL RE-INSTALL FENCE FABRIC TO MATCH EXISTING. FENCE POSTS SHALL REMAIN IN PLACE.
- 10 REFER TO SHEET SD6 FOR EXTERIOR PAINTING OF (E) RELOCATABLE BUILDINGS



1 ENLARGED CONCRETE WALK

SCALE: 1/4" = 1'-0"

BUILDING SUMMARY

BLDG.	DESCRIPTION	OCC. TYPE	CONSTR. TYPE	AREA (S.F.)	D.S.A. #	MODERNIZED	FIRE SPRINKLED
A	KINDERGARTEN	E	V-B	3,428	9107	48605	---
A1	CLASSROOM	E	V-B	4,388	9107	48605	---
B	CLASSROOM	E	V-B	4,279	16442	48605	---
C	CLASSROOM	E	V-B	4,388	16838	03-100819	---
D	CLASSROOM	E	V-B	4,279	21990	03-100819	---
E	CLASSROOM	E	V-B	2,358	24113	03-100819	---
F	ADMIN.	B	V-B	960	24113	03-100819	---
G	MULTI-USE	A-2	V-1	5,695	24113	03-100819	---
H	RELOCATABLE	E	V-B	960	36512	---	---
J	RELOCATABLE	E	V-B	1,152	36512	---	---
K	RELOCATABLE	E	V-B	960	47495	---	---
M	RELOCATABLE	E	V-B	960	03-100893	---	---
N	RELOCATABLE	E	V-B	960	03-100893	---	---
T	RELOCATABLE	E	V-B	960	56032	---	---
100	ADMIN. / LIBRARY	B / A-3	V-B	3,640	02-115558	---	---
200	CLASSROOM	E	V-B	4,416	02-122190	---	---
300	CLASSROOM	E	V-B	4,416	02-122190	---	---
1	SHADE STRUCTURE	A-3	II-B	1,200	02-119555	---	---
2	PV SHADE STRUCTURE	S-2	II-B	9,348	PV 02-119092	BESS 02-122190	---

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

GATE SCHEDULE

GATE #	WIDTH	HEIGHT	DETAIL	HDWR GROUP	DESCRIPTION
G1	PAIR 4'-0"	8'-0"	13/SD3	02	(N) CHAIN LINK GATE
G2	PAIR 5'-0"	8'-0"	13/SD3	02	(N) CHAIN LINK GATE
G3	4'-0"	6'-0"	20/SD3	01	CHAIN LINK GATE, OWNER PROVIDED / CONTRACTOR INSTALLED

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT JAMES R. MORRELL No. C-27128 REN. 05-31-27 STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
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(559) 627.1926 Fax

TITLE
OVERALL SITE PLAN

SD1

PROJECT 24043

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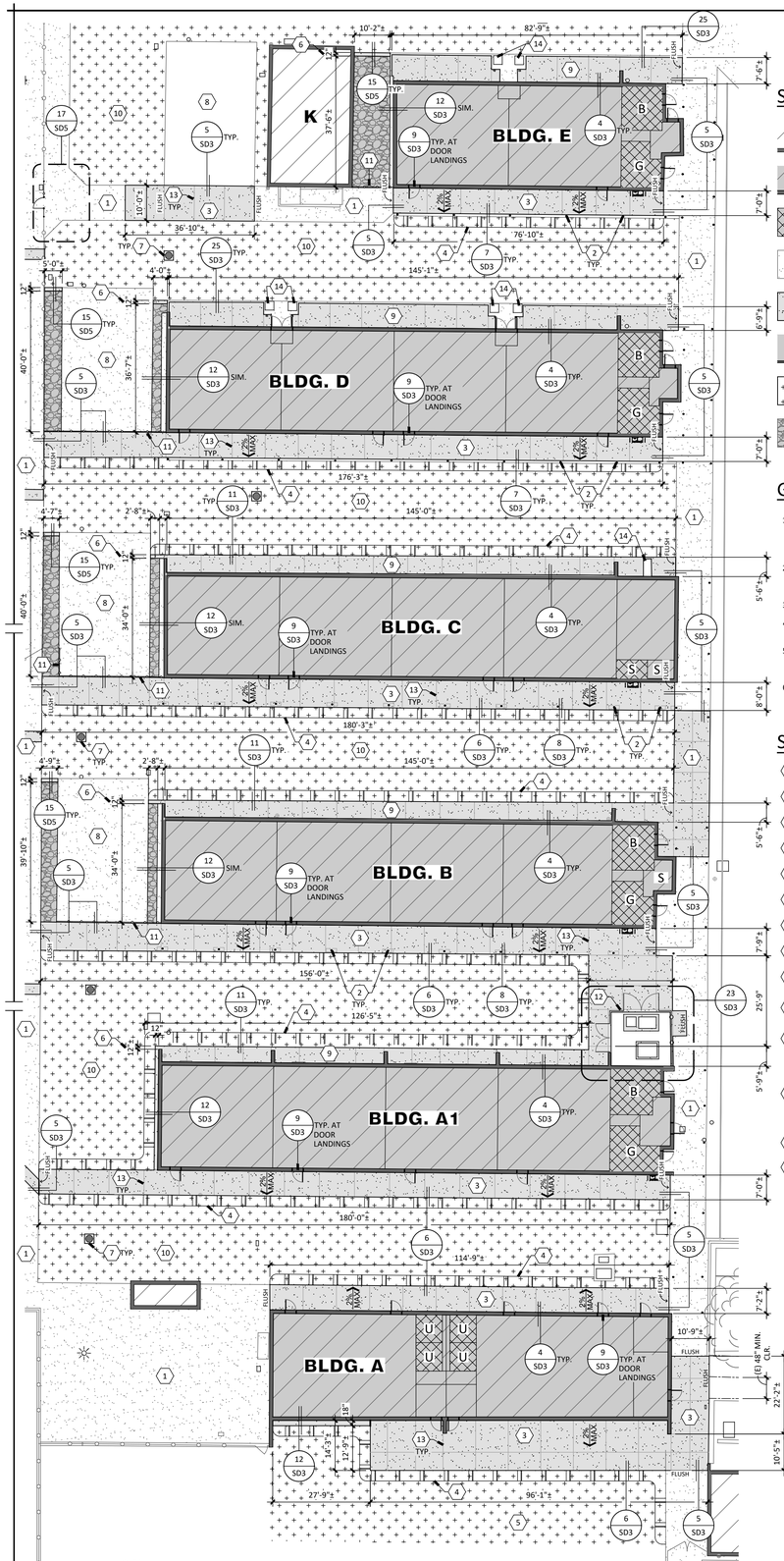


SITE PLAN LEGEND:

- EXISTING BUILDING
- EXISTING BUILDING TO BE MODERNIZED
- ACCESSIBLE TOILET ROOM, SEE OVERALL SITE PLAN
- EXISTING CONCRETE TO REMAIN, PROTECT
- 4" CONCRETE PAVING, SEE 1/SD3
- NEW STORAGE SHED, NOT PART OF DSA SSS OR FLS REVIEW
- LANDSCAPING, SEE LANDSCAPE DWGS.
- DECOMPOSED GRANITE, SEE 14/SD5

GRADING NOTES:

1. UNLESS SHOWN OR NOTED OTHERWISE, WHERE FINISH GRADE ABUTS CONCRETE PAVEMENTS/BACK OF CURBS, FINISH GRADE ELEVATION SHALL BE 1 INCH LOWER THAN ADJACENT CONCRETE ELEVATION IN SHRUB AREAS AND 1/4" INCH LOWER IN TURF AREAS.
2. FINISHED PAVEMENT ELEVATION IS 0.5' BELOW TOP OF BARRIER/LANDSCAPE CURB IN THE PARKING LOT AND DRIVE AREAS UNLESS SHOWN OR NOTED OTHERWISE ON THE DRAWINGS.
3. CROSS SLOPE AT ALL PEDESTRIAN WALKS AND SIDEWALKS SHALL NOT EXCEED 2.0%.
4. EXTERIOR CONCRETE SHALL BE WARP TO FLUSH WITH FINISHED FLOOR AT ALL EXTERIOR DOORS.
5. FIELD VERIFY ALL ELEVATIONS SHOWN WHERE PROPOSED IMPROVEMENTS ABUT EXISTING IMPROVEMENTS. IMMEDIATELY NOTIFY PROJECT ARCHITECT OF ANY DISCREPANCIES.
6. ALL EXISTING UTILITY VALVE BOXES AND MANHOLES TO REMAIN SHALL BE ADJUSTED AS REQUIRED SO THAT THE TOP OF COVERS ARE FLUSH WITH FINISH GRADES.

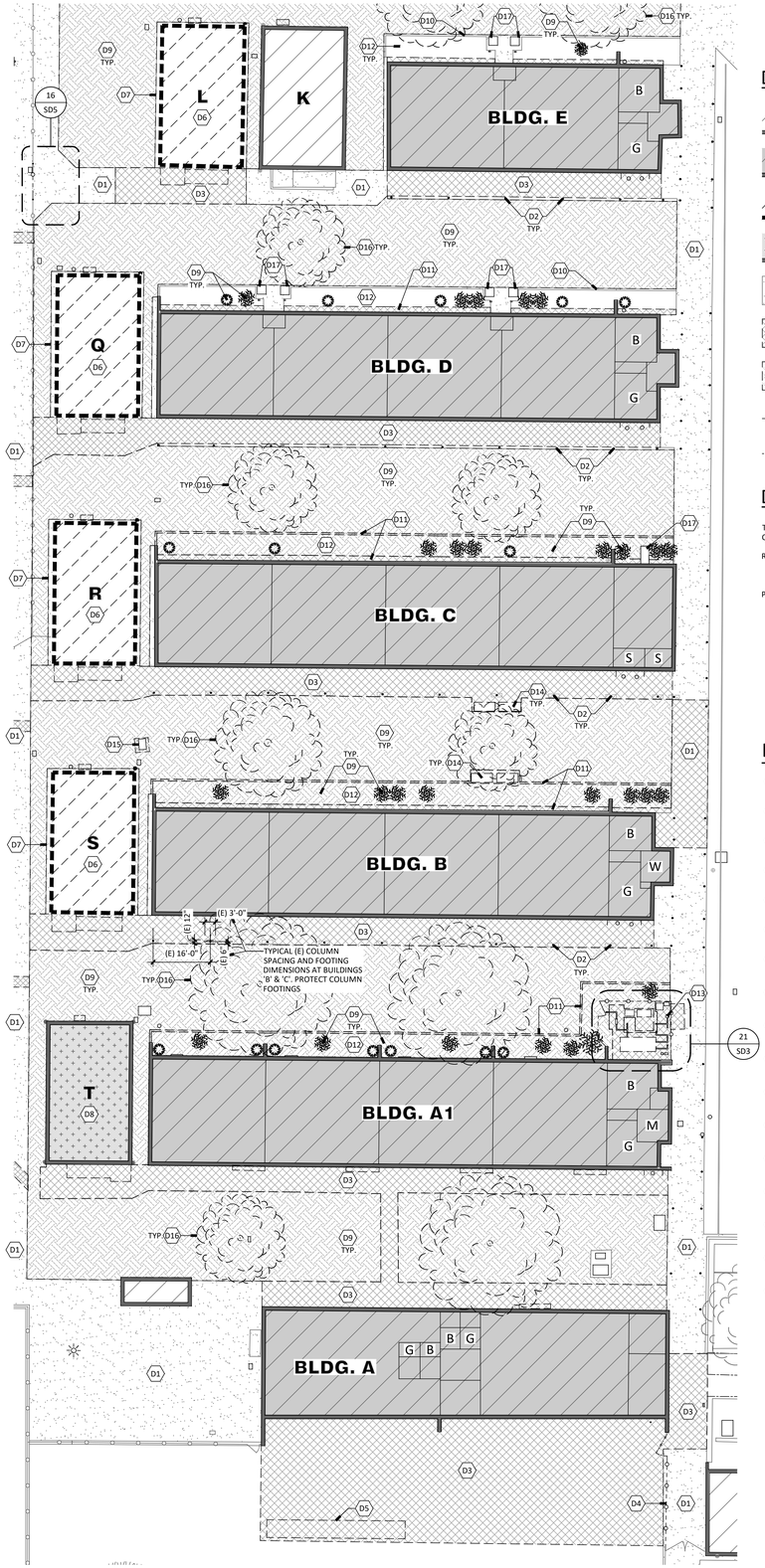
SITE PLAN KEYNOTES : (THIS SHEET ONLY)

1. (E) CONCRETE TO REMAIN, PROTECT
2. (E) PIPE COLUMN AND COLUMN FOOTING TO REMAIN, PROTECT COLUMN & FOOTING
3. 4" CONCRETE SIDEWALK, SHOWN SHADED
4. PROVIDE UNIFORM FINISH GRADE, TYP.
5. RE-GRADE (E) SITE AT REMOVED CONCRETE TO FLUSH AND MATCH (E)
6. CONCRETE POUR 12" PAST WING WALL
7. DRAIN INLET SEE CIVIL DWGS.
8. (E) CONCRETE PAD AT REMOVED RELOCATABLE BUILDING TO REMAIN
9. 4" THICK CONCRETE, EXTENDED MOWSTRIP.
10. RE-GRADED LANDSCAPING, COORDINATE w/ CIVIL AND LANDSCAPING DWGS.
11. 4'-0" HIGH CHAIN LINK FENCE TO SEPARATE CONCRETE WALK FROM EXISTING CONCRETE PAD DUE TO ELEVATION DIFFERENCES. FOR TYPICAL CHAIN LINK FENCE ELEVATION SEE DETAIL 14/SD3
12. 8'-0" HIGH CHAIN LINK FENCE ENCLOSURE WITH PRIVACY SLATS AT SERVICE YARD, SEE DETAIL 23/SD3
13. CRACK CONTROL JOINT, SEE DETAIL 1/SD3
14. (E) MECHANICAL ODU TO REMAIN, PROTECT

north

2 ENLARGED SITE PLAN

SCALE: 1" = 20'-0"



DEMOLITION PLAN LEGEND :

- EXISTING BUILDING
- EXISTING BUILDING TO BE MODERNIZED
- EXISTING RELOCATABLE BUILDING, WOOD FOUNDATIONS & RAMPS TO BE REMOVED FROM SITE
- EXISTING RELOCATABLE BUILDING RELOCATED FROM SAME SITE (SEE ATTACHED "MRF." DWGS. PC #56013 APPL. #56032)
- EXISTING CONCRETE TO REMAIN, PROTECT
- EXISTING CONC. PAVING TO BE REMOVED
- EXISTING LANDSCSAPE TO BE REMOVED
- EXISTING OBJECT TO BE DEMOLISHED & REMOVED
- EXISTING CHAIN LINK FENCE TO BE REMOVED

DEMOLITION NOTES :

THE INTENT OF THIS DEMOLITION PLAN IS TO LEAVE SITES OF NEW CONSTRUCTION OPEN, CLEAN, FREE OF DEBRIS AND READY FOR NEW CONSTRUCTION. PROTECT (E) UTILITIES.

REMOVE THE FOLLOWING:
1. SAWCUT & REMOVE (E) CONCRETE SIDEWALK AND/OR A/C PAVING AS SHOWN DASHED TO NEAREST CONTROL JOINT WHERE POSSIBLE, (FIELD VERIFY).

PROTECT THE FOLLOWING:
1. ALL UTILITY LINES, BOXES AND ANCILLARY EQUIPMENT DESIGNATED FOR NEW CONSTRUCTION.
2. EXISTING CONCRETE SLABS, WALKS, CURBS, GUTTERS AND SUBGRADE WHERE NO WORK IS TO BE PERFORMED.
3. CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES.
4. ALL EXISTING VALVE BOXES AND MANHOLES TO REMAIN SHALL BE ADJUSTED AS REQUIRED SO THAT THE TOP OF COVERS ARE FLUSH WITH FINISH GRADES, (FIELD VERIFY).

DEMOLITION KEYNOTES : (THIS SHEET ONLY)

- D1 (E) CONCRETE TO REMAIN, PROTECT.
- D2 (E) PIPE COLUMN AND COLUMN FOOTING TO REMAIN, PROTECT COLUMN & FOOTING.
- D3 (E) CONCRETE SIDEWALK & CURB TO BE REMOVED. PREP AREA TO RECEIVE (N) CONCRETE SIDEWALK & LANDINGS.
- D4 REMOVE (E) CHAIN LINK FENCE, POSTS, & GATE AS SHOWN.
- D5 REMOVE (E) CONCRETE PICNIC TABLES, SALVAGE TO OWNER.
- D6 DISCONNECT AND SAFE-OFF (E) RELOCATABLE BUILDING. PREP BUILDING FOR REMOVAL FROM SITE. OWNER WILL COORDINATE REMOVAL w/ MANUFACTURER, CONTRACTOR IS RESPONSIBLE FOR SAFE-OFF & PREP WORK.
- D7 (E) CONCRETE PAD BELOW RELOCATABLES TO REMAIN, PROTECT.
- D8 DISCONNECT & SAFE-OFF (E) RELOCATABLE BUILDING. PREP FOR RELOCATION OF BUILDING. COORDINATE w/ ELECTRICAL DWGS. FOR ADDITIONAL INFO. CONTRACTOR RESPONSIBLE FOR RELOCATING BUILDING TO NEW LOCATION. REGRADE AND PREP. AREA FOR (N) LANDSCAPING.
- D9 REMOVE (E) LANDSCAPING & SHRUBS
- D10 (E) CONCRETE MOW STRIP TO REMAIN, PROTECT.
- D11 REMOVE (E) CONCRETE MOW STRIP
- D12 PREP AREA TO RECEIVE (N) CONCRETE PER ENLARGED SITE PLAN
- D13 CONTRACTOR TO PULL PERMIT AND COORDINATE WITH CITY OF HANFORD FOR ABANDONMENT OF EXISTING IRRIGATION WELL. FOLLOW CITY PROCEDURES FOR EXECUTION OF PROPER WELL ABANDONMENT
- D14 REMOVE (E) BENCH, SALVAGE TO OWNER
- D15 (E) ELECTRICAL TRANSFORMER TO BE REMOVED. CONDUITS TO BE SALVADED AND INSTALLED BELOW GRADE IN (N) CHRISTY BOX, SEE ELECTRICAL DWGS.
- D16 REMOVE (E) TREES AND ROOTS LARGER THAN 1" DIA., BACKFILL AND COMPACT TO 85% MINIMUM RELATIVE COMPACTION IN LANDSCAPE AREAS
- D17 (E) MECHANICAL ODU TO REMAIN, PROTECT

north

1 ENLARGED DEMOLITION SITE PLAN

SCALE: 1" = 20'-0"

APPROVALS

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HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
ENLARGED DEMO SITE PLAN & ENLARGED SITE PLAN

SD2

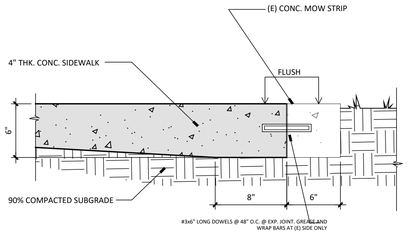
PROJECT 24043

APPROVALS
FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

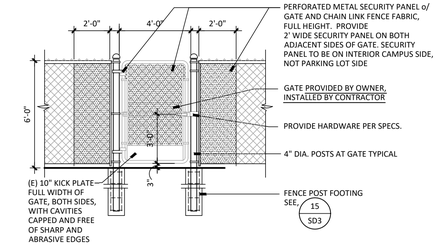
LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025



25 NEW CONC. TO EXISTING CONC. MOW STRIP

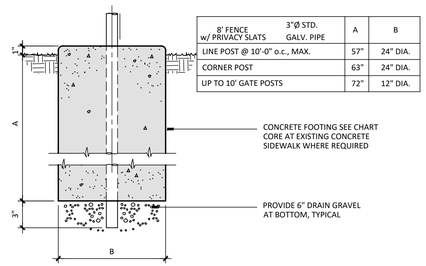
SCALE: 1 1/2" = 1'-0"



20 C.L. GATE

GATE G3

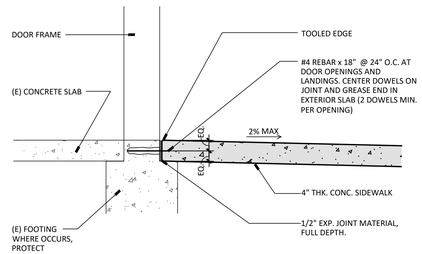
SCALE: 1/4" = 1'-0"



8' FENCE w/ PRIVACY SLATS	3"Ø STD. GALV. PIPE	A	B
LINE POST @ 10'-0" o.c., MAX.		57"	24" DIA.
CORNER POST		63"	24" DIA.
UP TO 10' GATE POSTS		72"	12" DIA.

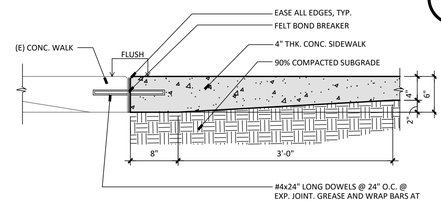
15 C.L. FENCE POST FOOTING

SCALE: 1 1/2" = 1'-0"



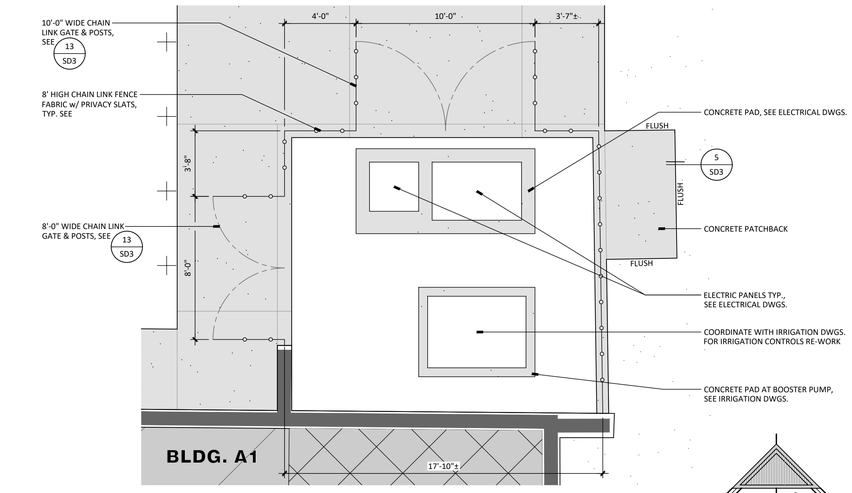
10 (N) CONC. SIDEWALK AT DOOR

SCALE: 1" = 1'-0"



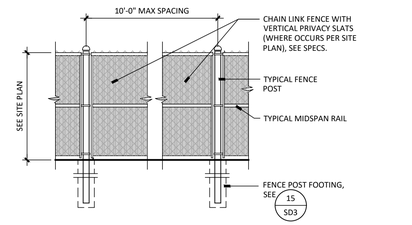
5 (N) CONC. WALK @ (E) WALK

SCALE: 1" = 1'-0"



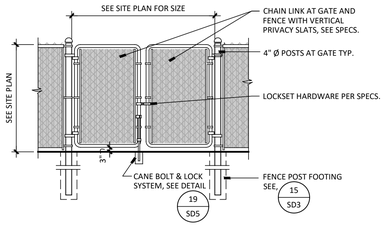
23 ENLARGED SERVICE YARD

SCALE: 1/4" = 1'-0"



14 TYP. C.L. FENCE ELEVATION

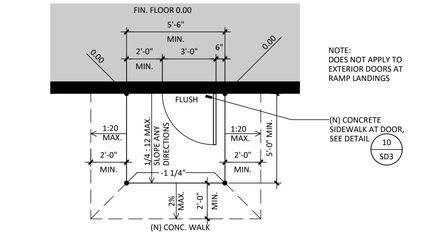
SCALE: 1/4" = 1'-0"



13 C.L. DOUBLE GATES

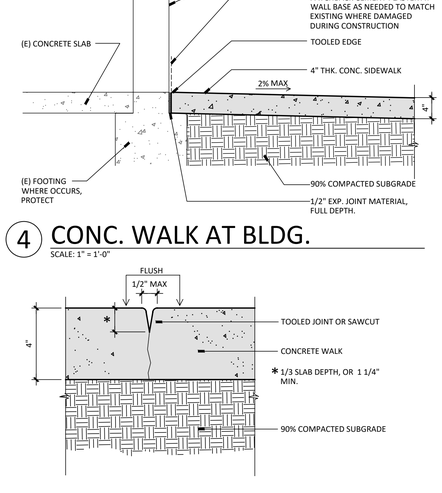
GATES G1 & G2

SCALE: 1/4" = 1'-0"



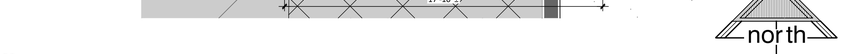
TYPICAL ACCESS. LANDING @ EXT. DOORS

SCALE: 1/4" = 1'-0"



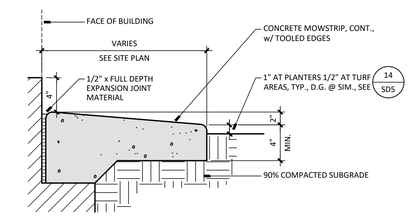
4 CONC. WALK AT BLDG.

SCALE: 1" = 1'-0"



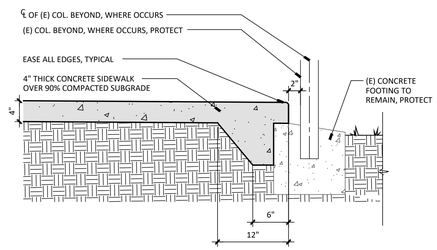
21 ENLARGED DEMOLITION SERVICE YARD

SCALE: 1/4" = 1'-0"



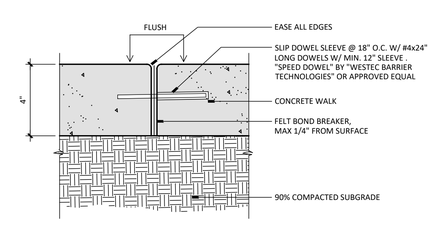
12 CONCRETE MOWSTRIP

SCALE: 1 1/2" = 1'-0"



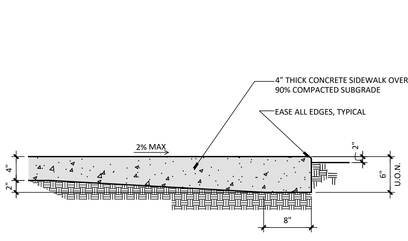
7 CONCRETE SIDEWALK

SCALE: 1" = 1'-0"



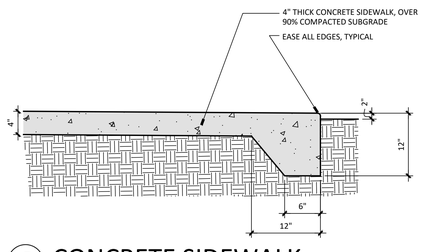
2 CONSTRUCTION JOINT (CJ)

SCALE: 3" = 1'-0"



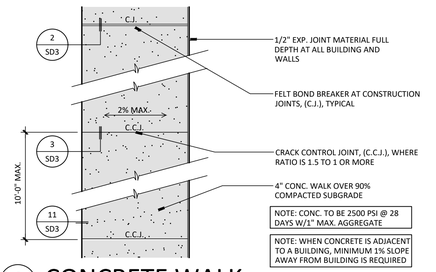
11 CONCRETE SIDEWALK

SCALE: 1" = 1'-0"



6 CONCRETE SIDEWALK

SCALE: 1" = 1'-0"



1 CONCRETE WALK

SCALE: 1/4" = 1'-0"

3 CRACK CONTROL JOINT (CCJ)

SCALE: 3" = 1'-0"

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
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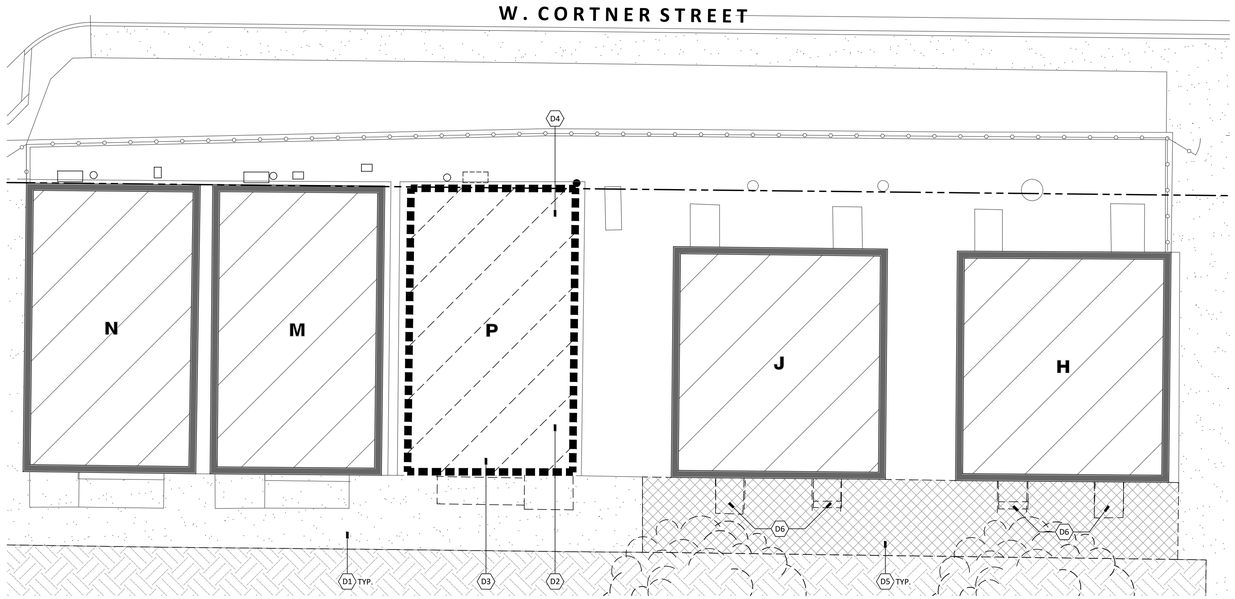
SITE DETAILS

SD3

PROJECT 24043



1 ENLARGED DEMOLITION SITE PLAN

SCALE: 1" = 10'-0"

north

DEMOLITION PLAN LEGEND:

- EXISTING BUILDING
- EXISTING RELOCATABLE BUILDING, WOOD FOUNDATIONS & RAMPS TO BE REMOVED FROM SITE
- EXISTING CONCRETE TO REMAIN, PROTECT
- EXISTING CONCRETE TO BE REMOVED

DEMOLITION NOTES:

THE INTENT OF THIS DEMOLITION PLAN IS TO LEAVE SITES OF NEW CONSTRUCTION OPEN, CLEAN, FREE OF DEBRIS AND READY FOR NEW CONSTRUCTION. PROTECT (E) UTILITIES.

REMOVE THE FOLLOWING:

1. SAWCUT & REMOVE (E) CONCRETE SIDEWALK AND/OR A/C PAVING AS SHOWN DASHED TO NEAREST CONTROL JOINT WHERE POSSIBLE, (FIELD VERIFY).

PROTECT THE FOLLOWING:

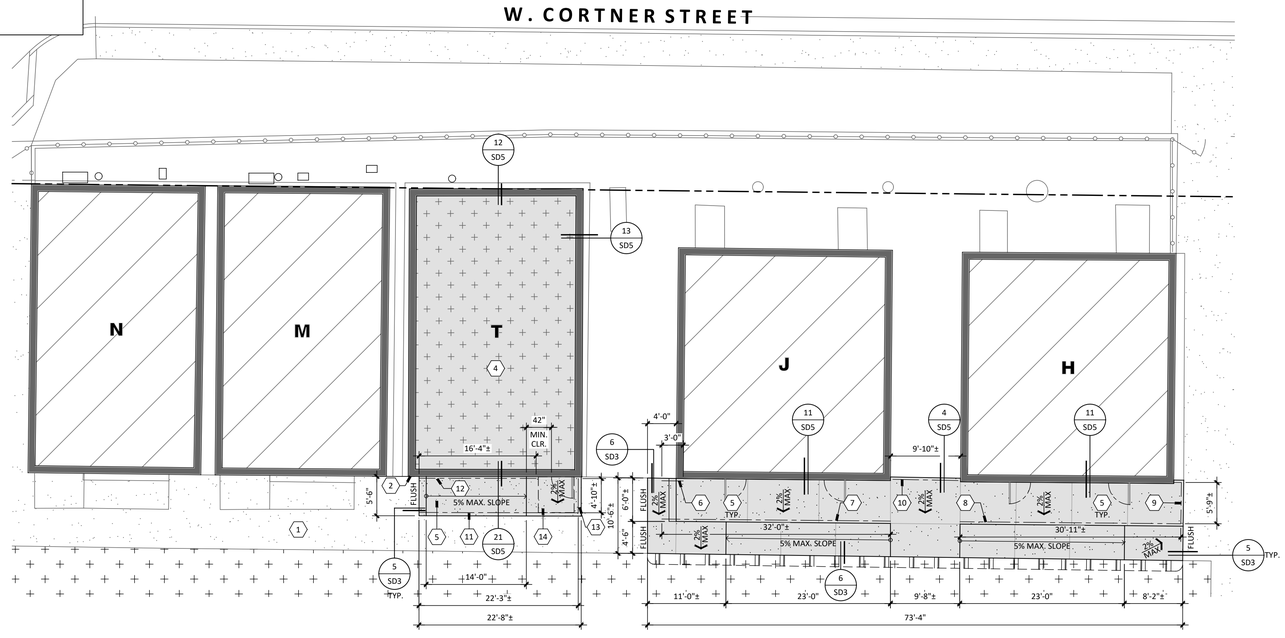
1. ALL UTILITY LINES, BOXES AND ANCILLARY EQUIPMENT DESIGNATED FOR NEW CONSTRUCTION.
2. EXISTING CONCRETE SLABS, WALKS, CURBS, GUTTERS AND SUBGRADE WHERE NO WORK IS TO BE PERFORMED.
3. CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES.
4. ALL EXISTING VALVE BOXES AND MANHOLES TO REMAIN SHALL BE ADJUSTED AS REQUIRED SO THAT THE TOP OF COVERS ARE FLUSH WITH FINISH GRADES, (FIELD VERIFY).

DEMOLITION KEYNOTES: THIS SHEET ONLY

- D1 (E) CONCRETE TO REMAIN, PROTECT.
- D2 DISCONNECT AND SAFE-OFF (E) RELOCATABLE BUILDING. PREP BUILDING FOR REMOVAL FROM SITE. OWNER WILL COORDINATE REMOVAL w/ MANUFACTURER, CONTRACTOR RESPONSIBLE FOR SAFE-OFF & PREP WORK.
- D3 (E) CONCRETE PAD BELOW RELOCATABLES TO REMAIN, PROTECT.
- D4 PREP (E) AREA TO RECEIVE RELOCATED BUILDING 'T', COORDINATE w/ OTHER DISCIPLINES
- D5 (E) CONCRETE TO BE REMOVED
- D6 (E) CONCRETE RAMP/STAIRS TO BE REMOVED

'T 'UNDERFLOOR VENT.

960 / 150 = 6.4 SF VENT AREA REQ.
.25" x 2" = .5 SF x 14 VENTS = 7 SF VENT
7 > 6.4 THEREFORE OKAY



north

2 ENLARGED SITE PLAN

SCALE: 1" = 10'-0"

SITE PLAN LEGEND:

- EXISTING BUILDING
- EXISTING RELOCATABLE BUILDING RELOCATED FROM SAME SITE (SEE ATTACHED "MRF." DWGS. PC #56013 APPL. #56032)
- EXISTING CONCRETE TO REMAIN, PROTECT
- CONCRETE PAVING (1 / SD3)
- LANDSCAPING, SEE LANDSCAPE DWGS.
- RAILING SYSTEM

GRADING NOTES:

1. UNLESS SHOWN OR NOTED OTHERWISE, WHERE FINISH GRADE ABUTS CONCRETE PAVEMENTS/BACK OF CURBS, FINISH GRADE ELEVATION SHALL BE 1 INCH LOWER THAN ADJACENT CONCRETE ELEVATION IN SHRUB AREAS AND 1/4" INCH LOWER IN TURF AREAS.
2. FINISHED PAVEMENT ELEVATION IS 0.5' BELOW TOP OF BARRIER/LANDSCAPE CURB IN THE PARKING LOT AND DRIVE AREAS UNLESS SHOWN OR NOTED OTHERWISE ON THE DRAWINGS.
3. CROSS SLOPE AT ALL PEDESTRIAN WALKS AND SIDEWALKS SHALL NOT EXCEED 2.0%.
4. EXTERIOR CONCRETE SHALL BE WARP TO FLUSH WITH FINISHED FLOOR AT ALL EXTERIOR DOORS.
5. FIELD VERIFY ALL ELEVATIONS SHOWN WHERE PROPOSED IMPROVEMENTS ABUT EXISTING IMPROVEMENTS. IMMEDIATELY NOTIFY PROJECT ARCHITECT OF ANY DISCREPANCIES.
6. ALL EXISTING UTILITY VALVE BOXES AND MANHOLES TO REMAIN SHALL BE ADJUSTED AS REQUIRED SO THAT THE TOP OF COVERS ARE FLUSH WITH FINISH GRADES.

SITE PLAN KEYNOTES: THIS SHEET ONLY

- 1 (E) CONCRETE TO REMAIN, PROTECT
- 2 ALIGN SOUTH FACE OF RELO. W/ SOUTH FACE OF EXIST. BLDG. TO WEST
- 3 CONCRETE RAMP AND HANDRAILS, CONSTRUCT PER DETAILS 24/SD5 & 25/SD5
- 4 RELOCATE BUILDING ON (E) CONCRETE PAD AS SHOWN, COORDINATE w/ ELECTRICAL DWGS. FOR ADDITIONAL INFO
- 5 CONCRETE PAVING , COORDINATE WITH CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
- 6 RAILING SYSTEM, SEE 10/SD5
- 7 RAILING SYSTEM, SEE 7/SD5
- 8 RAILING SYSTEM, SEE 8/SD5
- 9 RAILING SYSTEM, SEE 9/SD5
- 10 RAILING SYSTEM, SEE 4/SD5
- 11 RAILING SYSTEM, SEE 25/SD5
- 12 RAILING SYSTEM, SEE 24/SD5
- 13 RAILING SYSTEM, SEE 23/SD5
- 14 60"x60" MIN. CLEAR FLOOR AREA AT LANDING

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

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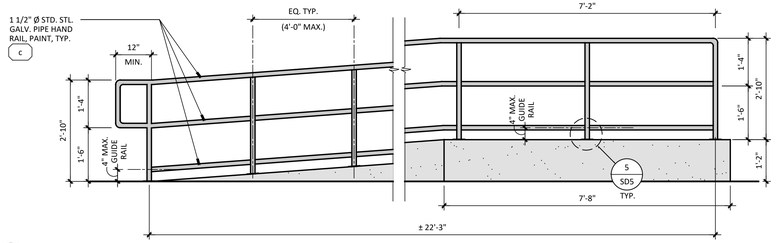
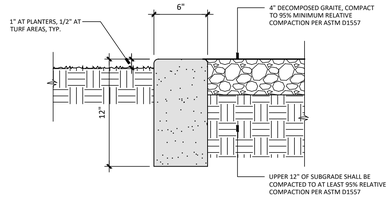
SD4

PROJECT 24043



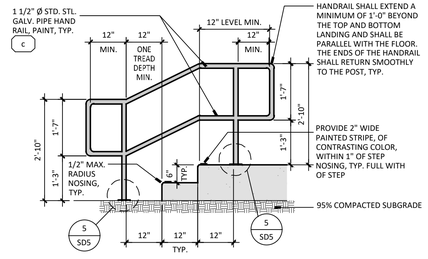
25 HANDRAIL

SCALE: 1/2" = 1'-0"



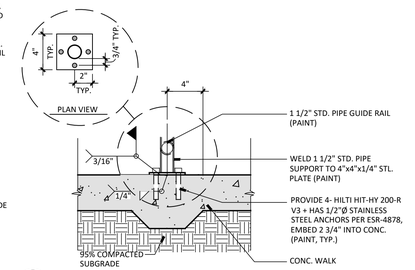
15 CONCRETE CURB @ D.G.

SCALE: 1 1/2" = 1'-0"



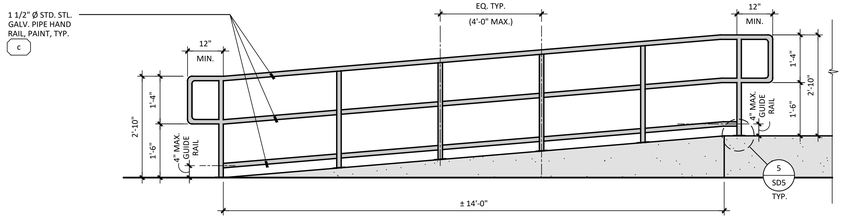
10 HANDRAIL AT STEPS

SCALE: 1/2" = 1'-0"



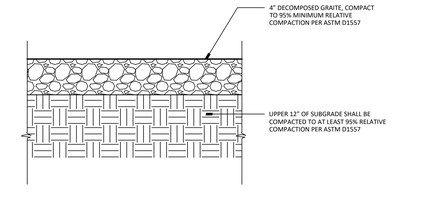
5 POST ANCHORAGE

SCALE: 1 1/2" = 1'-0"



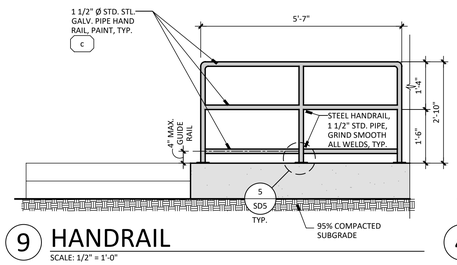
24 HANDRAIL

SCALE: 1/2" = 1'-0"



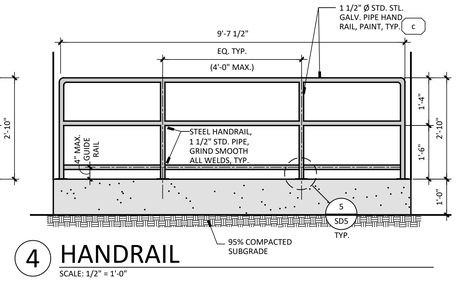
14 DECOMPOSED GRANITE SECTION

SCALE: 1 1/2" = 1'-0"



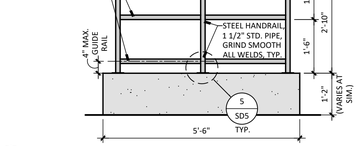
9 HANDRAIL

SCALE: 1/2" = 1'-0"



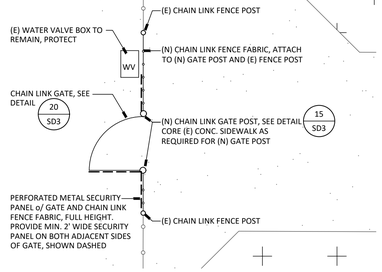
4 HANDRAIL

SCALE: 1/2" = 1'-0"



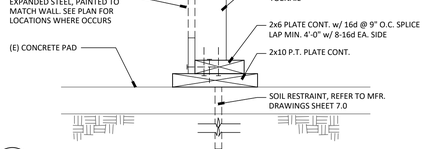
23 HANDRAIL

SCALE: 1/2" = 1'-0"



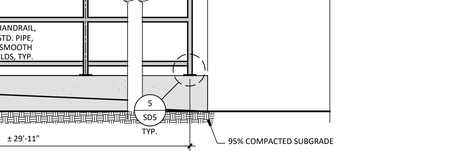
17 (N) GATE @ CHAIN LINK FENCE

SCALE: 1/4" = 1'-0"



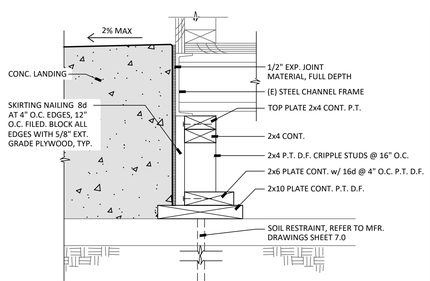
13 FOUNDATION @ SIDE WALL

SCALE: 1 1/2" = 1'-0"



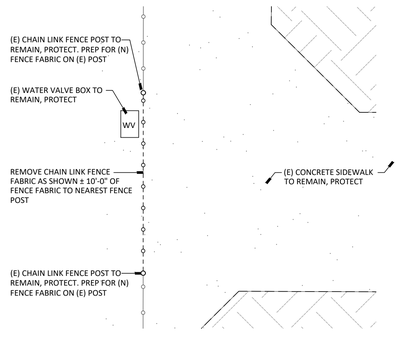
8 HANDRAIL

SCALE: 1/2" = 1'-0"



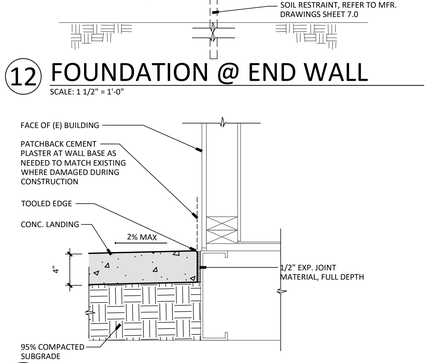
21 RELO END WALL @ RAMP

SCALE: 1 1/2" = 1'-0"



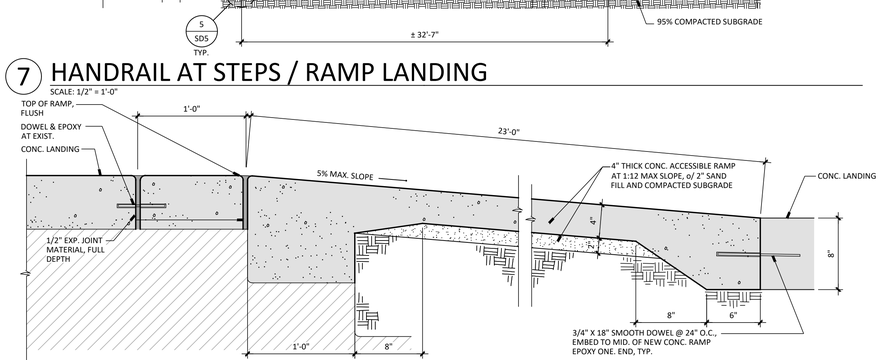
16 DEMO @ CHAIN LINK FENCE

SCALE: 1/4" = 1'-0"



11 CONCRETE WALK @ (E) RELO

SCALE: 1 1/2" = 1'-0"



7 HANDRAIL AT STEPS / RAMP LANDING

SCALE: 1/2" = 1'-0"

6 ACCESSIBLE CONCRETE RAMP

SCALE: 1 1/2" = 1'-0"

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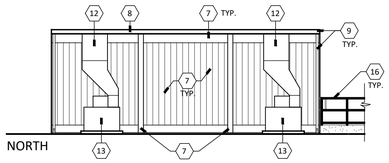
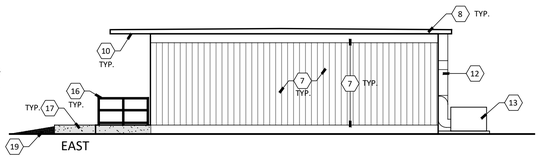
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

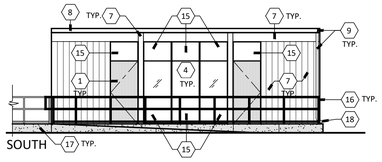
TITLE
SITE DETAILS

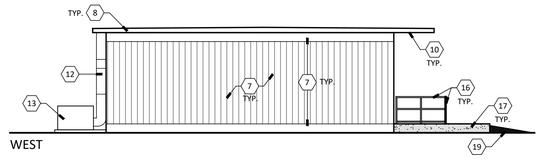
SD5

PROJECT 24043



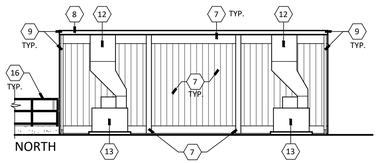


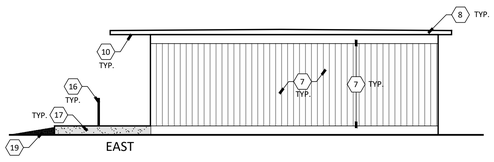


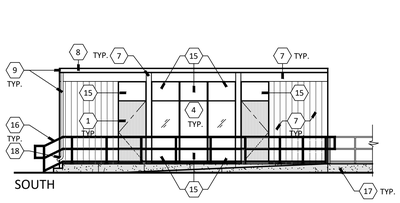


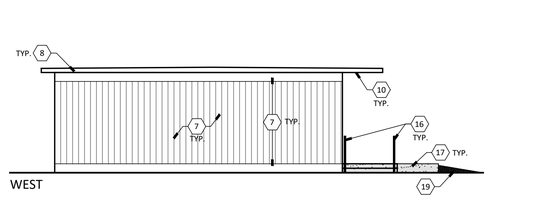
BUILDING H
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"



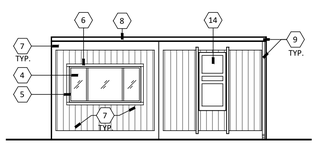


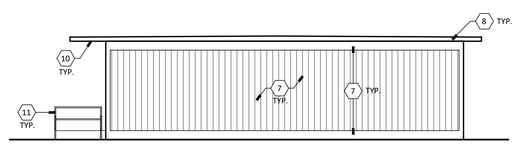


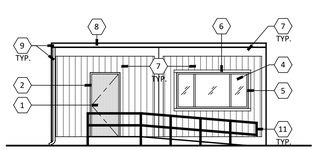


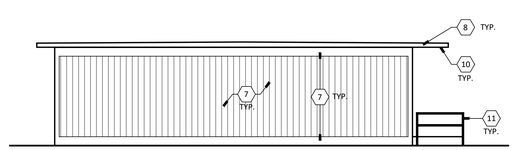
BUILDING J
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"



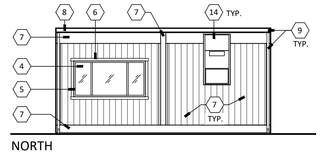


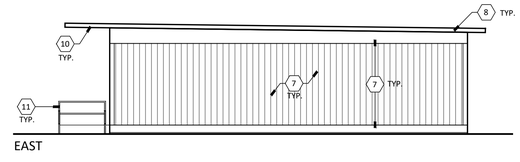


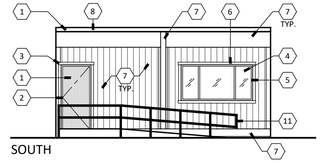


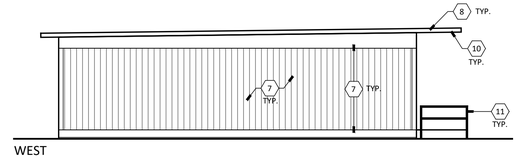
BUILDING K
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"



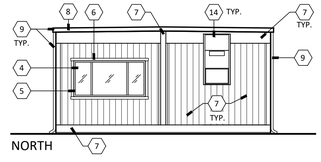


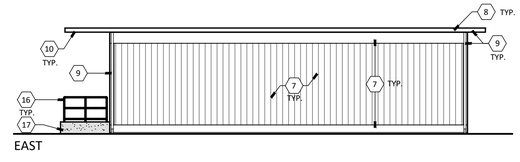


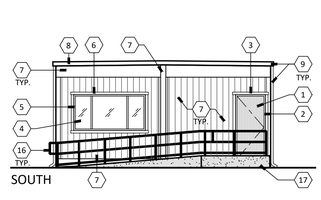


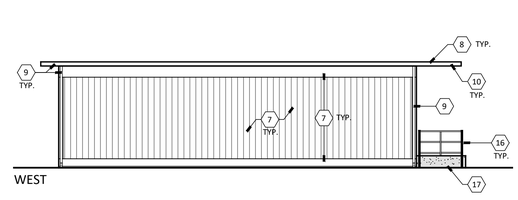
BUILDING M & N
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"









BUILDING T
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

GENERAL EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

1. PAINT EXTERIOR CEMENT PLASTER, WOOD SIDING, HOLLOW METAL DOORS AND HOLLOW METAL FRAMES, PIPE COLUMNS/RAILINGS, FASCIA, METAL FLASHINGS, GUTTERS, DOWNSPOUTS, WOOD TRIMS AND UNDERSIDE OF ROOF OVERHANGS. EXISTING ALUMINUM WINDOW FRAMES TO REMAIN, PROTECT. REFER TO SPEC. SECTION 09 9100 FOR ADDITIONAL INFORMATION.
2. PROTECT ALL RELOCATABLE BLDG. MANUF. TAGS FROM PAINT (DO NOT PAINT).
3. REMOVE & RE-INSTALL ALL EXISTING BUILDING SIGNAGE DURING WORK.
4. REMOVE & REINSTALL ALL EXISTING SURFACE MOUNTED LIGHT FIXTURES DURING WORK.
5. ALL (E) GLAZING TO REMAIN, U.O.N.
6. PAINT ALL SURFACE CONDUIT, ELEC. BOXES & PLATES, COLOR TO MATCH NEIGHBORING SURFACE COLOR.
7. WHERE CALLED OUT TO PAINT WOOD OR STEEL WINDOW FRAMES, COLOR TO SURROUND THE GLAZED AREA (HEAD, JAMB & SILL, TYP.).
8. REPAINTED DOOR FRAMES SHALL BE PAINTED TO THE EXTERIOR SIDE OF THE DOOR STOP, NO INTERIOR-SIDE PAINTING OF FRAMES SHALL OCCUR.
9. ALL ROOM NUMBERS AND BUILDING DESIGNATIONS TO BE REPAINTED & REPLACED AFTER FINISH WORK.
10. DAMAGED STUCCO SURFACES, TRIM & DRY ROTTED WOOD TO BE ADDRESSED WITH SCHOOL DISTRICT AFTER COMPLETION OF PREP. WORK.
11. PROTECT ALL WINDOW FRAMES FOUND TO BE ALUMINUM FROM PAINT (DO NOT PAINT). CLEAN FRAMES AND REMOVE ANY PREVIOUS PAINT OVER SPRAY.

EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

1. (E) HOLLOW METAL DOOR TO REMAIN, PAINT c
2. (E) HOLLOW METAL DOOR FRAME REMAIN, PAINT c
3. (E) DOOR TRIM TO REMAIN, PAINT c
4. (E) WINDOW TO REMAIN, PROTECT.
5. (E) ALUMINUM WINDOW FRAME TO REMAIN, PROTECT.
6. (E) WINDOW TRIM TO REMAIN, PAINT c
7. (E) WOOD FINISH TO REMAIN, PAINT b
8. (E) FASCIA TO REMAIN, PAINT c
9. (E) GUTTER & DOWNSPOUT TO REMAIN, PAINT GUTTER AND PAINT DOWNWPOUT c b
10. (E) UNDERSIDE WOOD SIDING OF ROOF OVERHANG TO REMAIN, PAINT b
11. (E) RAILING TO REMAIN, PAINT c
12. (E) MECHANICAL EQUIPMENT DUCTING TO REMAIN, PAINT b
13. (E) GROUND MOUNTED MECHANICAL UNIT TO REMAIN, PROTECT. DO NOT PAINT
14. (E) WALL MOUNTED MECHANICAL UNIT TO REMAIN, PROTECT. DO NOT PAINT
15. (E) METAL PANEL TO REMAIN, PAINT b
16. RAILING SYSTEM, PAINT c
17. CONCRETE PLATFORM/RAMP
18. MODIFY (E) DOWNSPOUT HEIGHT AS REQUIRED FOR (N) CONC. RAMP
19. 6:1 MAX FILL SLOPE

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

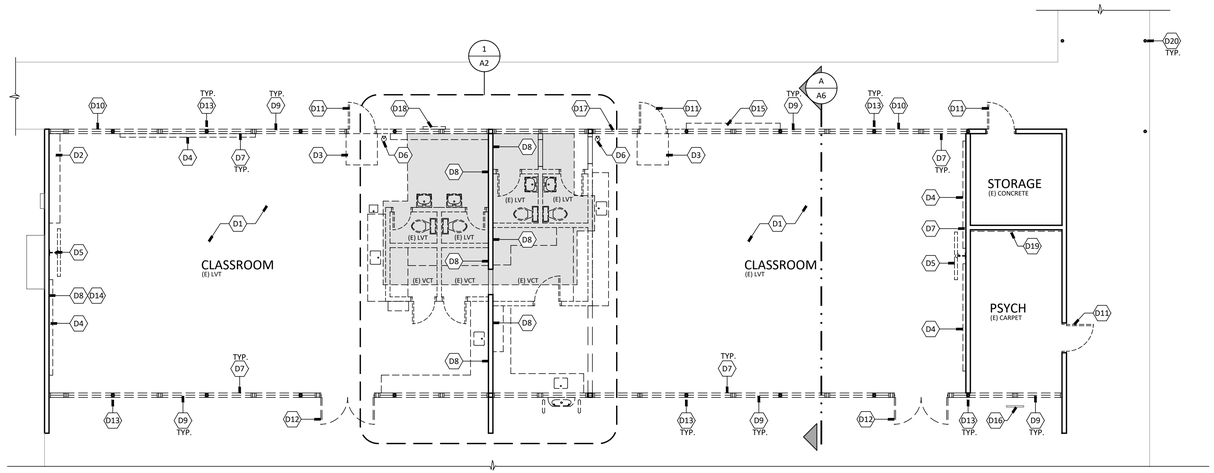
REVISIONS

MANGINI | ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-7638 Office
(559) 627-1926 Fax

TITLE
BUILDING EXTERIOR ELEVATIONS

SD6

PROJECT 24043



GENERAL DEMOLITION FLOOR PLAN NOTES:

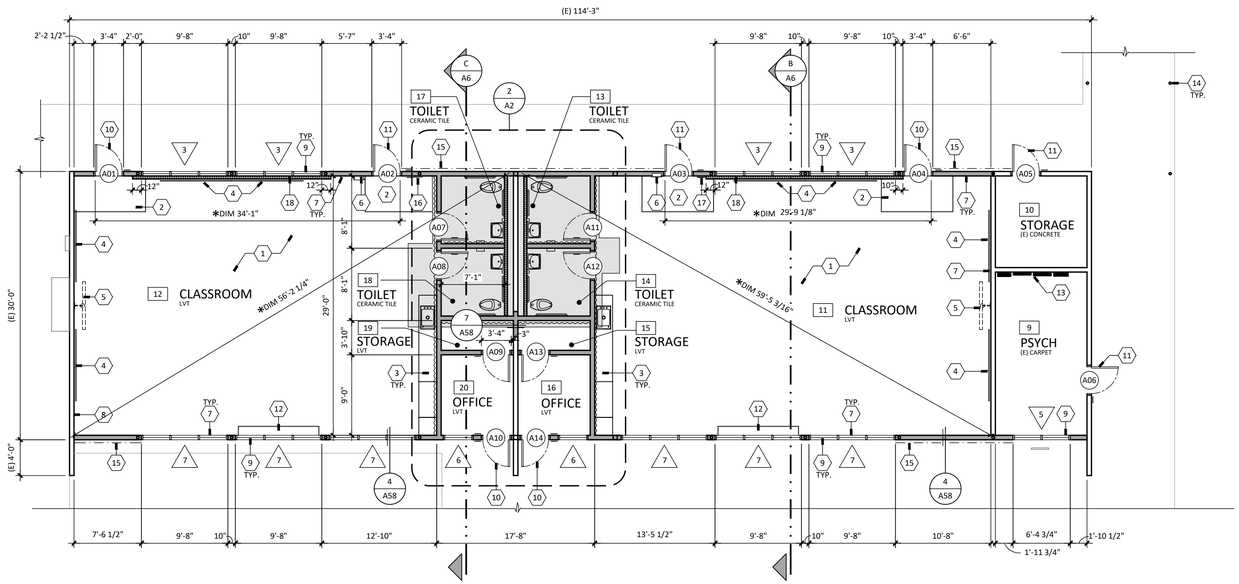
1. VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK
2. PROTECT AREAS NOT IN SCOPE OF WORK
3. SEE STRUCTURAL, PLUMBING, MECHANICAL, & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
4. ALL FIRE ALARM, DATA, & MISCELLANEOUS ABANDONED EQUIPMENT & ABANDONED CONDUIT IS TO BE REMOVED, INCLUDING THOSE THAT ARE NOT CLEARLY VISIBLE

DEMO. FLOOR PLAN LEGEND:

- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED
- (E) 2x STUD WALL TO REMAIN
- (E) 2x STUD WALL TO BE REMOVED

BUILDING A
DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"



GENERAL FLOOR PLAN NOTES:

1. FINISH ALL GYPSUM BOARD EDGES PER DETAIL 14/A60
2. REFER TO INTERIOR ELEVATIONS FOR TYP. ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS
3. REFER TO INTERIOR ELEVATIONS AND DOOR SCHEDULE FOR ALL ROOM AND BUILDINGS SIGNAGES
4. ( ) = MATERIAL DEFINITION, SEE FINISH SCHEDULE
5. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR ALL ROOM FINISHES
6. FOR ALL WALL PENETRATIONS OF PIPE OR CONDUIT, REFER TO DETAIL 13/A60
7. FOR (N) CONC. SLAB TO (E) OR FOR (E) CONC. SLAB INFILL, SEE STRUCTURAL
8. FOR (N) CONC. CURB TO (E), SEE STRUCTURAL
9. PATCH & REPAIR ALL WALL FINISHES, FLOORING, & BASE AS NEEDED FOR A FINISHED FINAL RESULT
10. PROVIDE THERMAL BATT INSULATION AT ALL EXTERIOR WALLS FULL HEIGHT & SOUND BATT INSULATION AT INTERIOR STUD WALLS FULL HEIGHT. SEE SPECS. FOR ADDITIONAL INFORMATION
11. FOR TYPICAL STUD WALL INFILL FRAMING, SEE STRUCTURAL
12. FOR TYPICAL NEW OPENING FRAMING, SEE STRUCTURAL

FLOOR PLAN LEGEND:

- (E) WOOD FRAMED WALL TO REMAIN, PROTECT
- 2x6 WOOD STUD @ 16" O.C.
- 2x4 WOOD STUD @ 16" O.C.
- RIGID SOUND BOARD & RESILIENT CHANNEL, SEE 4/A60
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- # FRAME TYPE, SEE FRAME TYPE SCHEDULE
- # ROOM NUMBER / FLOOR FINISH MATERIAL
- *DIM DIMENSION ONLY SHOWN TO DEMONSTRATE EXIT ACCESS COMPLIANCE

BUILDING A
FLOOR PLAN

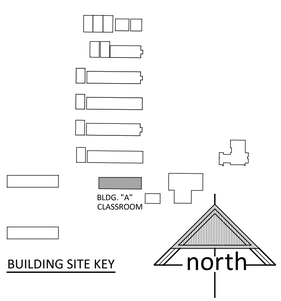
SCALE: 1/8" = 1'-0"

DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) FLOOR & BASE, PREP FOR (N) FLOOR FINISH & BASE PER FLOOR PLAN
- D2 REMOVE (E) BOOKSHELVES IN ITS ENTIRETY
- D3 REMOVE (E) WALK-OFF CARPET, PREP FOR (N)
- D4 REMOVE (E) MARKER BOARD, PREP FOR (N) MARKER BOARD PER FLOOR PLAN
- D5 TEMPORARILY REMOVE (E) SMARTBOARD MONITOR & PREP FOR REINSTALL PER FLOOR PLAN & INTERIOR ELEVATIONS
- D6 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER, SEE FLOOR PLAN FOR (N) RECESSED FIRE EXTINGUISHER & CABINET
- D7 REMOVE (E) WALL FINISHES (INCLUDING DIAGONAL SHEATHING WHERE OCCURS) TO EXPOSE STUD WALL FRAMING. PREP FOR (N) FINISHES o/ (E) STUD WALL FRAMING
- D8 REMOVE (E) WALL FINISHES TO EXPOSE DIAGONAL SHEATHING SHEAR WALL. PREP FOR (N) FINISHES o/ (E) DIAGONAL SHEATHING SHEAR WALL
- D9 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM PER FRAME SCHEDULE OR WALL INFILL PER FLOOR PLAN & INTERIOR ELEVATIONS. FOR WALL INFILL INFO, REFER TO STRUCTURAL DETAIL 33/S0.2
- D10 REMOVE (E) WALL FRAMING AS REQUIRED FOR (N) DOOR & FRAME SYSTEM PER FLOOR PLAN
- D11 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D12 REMOVE (E) DOOR & FRAME ASSEMBLY IN ITS ENTIRETY, PREP FOR (N) WALL INFILL PER FLOOR PLAN. FOR WALL INFILL INFO, REFER TO STRUCTURAL DETAIL 33/S0.2
- D13 (E) PIPE COLUMN TO REMAIN, PROTECT
- D14 LOCATION OF (E) SHEAR PANEL THIS SIDE OF WALL, PROTECT
- D15 REMOVE (E) WOOD BENCH. PATCHBACK WALL FINISHES TO FLUSH & MATCH (E) AT REMOVED BENCH
- D16 (E) GAS METER TO REMAIN, PROTECT
- D17 REMOVE (E) ELECTRICAL PANEL, SEE ELECTRICAL DWGS. PATCHBACK EXTERIOR WALL TO FLUSH & MATCH (E)
- D18 REMOVE (E) FIRE HOSE CABINET IN ITS ENTIRETY, CAP (E) WATER LINE IN WALL, COORDINATE w/ PLUMBING DWGS
- D19 REMOVE (E) WALL FINISHES THAT ARE REQUIRED FOR INSTALL OF FIRE ALARM PANELS & ELECTRICAL PANEL, COORDINATE w/ ELECTRICAL DWGS
- D20 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT

FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

- 1 FLOOR & BASE, SEE FINISH SCHEDULE
- 2 4'-0" x 8'-0" WALK-OFF CARPET MAT AT ENTRY, SEE FINISH SCHEDULE, FLUSH w/ FINISH FLOOR, TYP.
- 3 FULL HEIGHT TYPE CABINET, SEE INTERIOR ELEVATIONS
- 4 MARKER BOARD, SEE INTERIOR ELEVATIONS
- 5 REINSTALL (E) SMARTBOARD MONITOR, SEE INTERIOR ELEVATIONS
- 6 RECESSED FIRE EXTINGUISHER & CABINET
- 7 WALL FINISHES o/ (E) STUD WALL FRAMING ((N) WALL FRAMING WHERE OCCURS), SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES
- 8 WALL FINISHES o/ (E) DIAGONAL SHEATHING SHEAR WALL, SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES. IF REQUIRED TO ACCESS WALL TO INSTALL POWER/DATA, REMOVE (E) DIAGONAL SHEATHING AND REPLACE PER DETAIL 44/S0.3
- 9 ALUMINUM WINDOW FRAME PER FRAME SCHEDULE
- 10 HOLLOW METAL DOOR & FRAME, COORDINATE w/ DOOR SCHEDULE
- 11 HOLLOW METAL DOOR IN (E) HOLLOW METAL FRAME, COORDINATE w/ DOOR SCHEDULE
- 12 FIXED CUBBIES, SEE INTERIOR ELEVATIONS
- 13 ELECTRICAL & FIRE ALARM PANELS, COORDINATE w/ ELECTRICAL DWGS. PATCH & REPAIR WALL FINISHES TO FLUSH & MATCH (E)
- 14 PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDINGS. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY FOR EXTEND OF (E) PIPE COLUMNS
- 15 DASH DOT DENOTES LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- 16 DURABLE SIGN TYPE "D". THE SIGN SHALL BE WORDED AS FOLLOWS: "THE NUMBER OF PEOPLE PERMITTED IN THIS ROOM SHALL NOT EXCEED 59 BY ORDER OF THE STATE FIRE MARSHAL." SEE INTERIOR ELEVATION FOR ADDITIONAL INFORMATION
- 17 DURABLE SIGN TYPE "D". THE SIGN SHALL BE WORDED AS FOLLOWS: "THE NUMBER OF PEOPLE PERMITTED IN THIS ROOM SHALL NOT EXCEED 65 BY ORDER OF THE STATE FIRE MARSHAL." SEE INTERIOR ELEVATION FOR ADDITIONAL INFORMATION
- 18 PARTIAL HEIGHT STUD WALL, SEE SECTIONS AND INTERIOR ELEVATIONS



BUILDING SITE KEY

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-27128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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(559) 627.0530 Office
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TITLE
BUILDING A
DEMO FLOOR PLAN,
FLOOR PLAN

A1

PROJECT 24043

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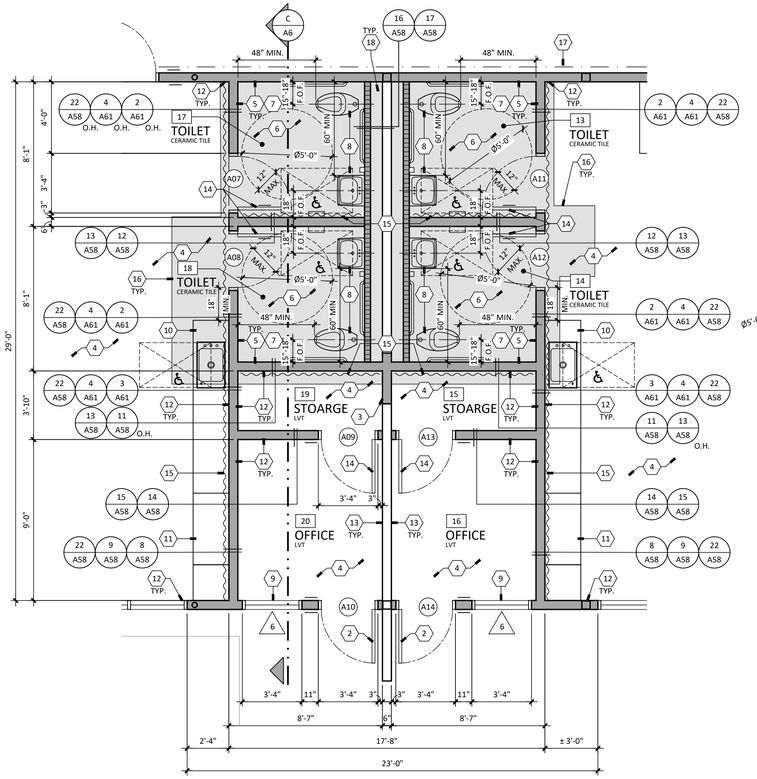


BUILDING A
2 ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"

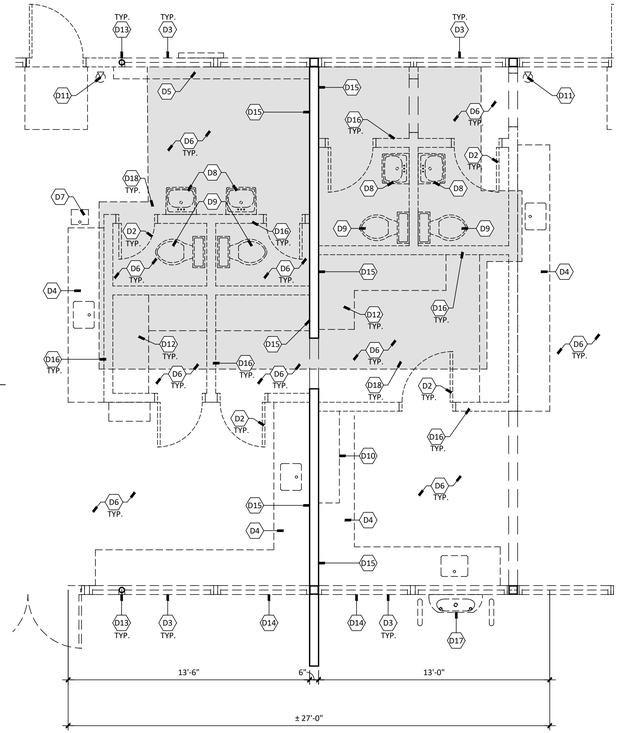
north

ENLARGED FLOOR PLAN LEGEND

- (E) WOOD STUD WALL
- 2x6 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- 2x4 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- RIGID SOUND BOARD & RESILIENT CHANNEL, SEE 4 / A60
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- INDICATES 30"x48" CLEAR W.C. SPACE
- INDICATES 5' DIAMETER FL. ROTATION SPACE

ENLARGED FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

1. NOT USED
2. HOLLOW METAL DOOR & FRAME, COORDINATE w/ DOOR SCHEDULE
3. STUD WALL INFILL & PLYWOOD SHEATHING AT (E) OPENING TO FLUSH & MATCH (E). FOR STUD WALL INFILL, REFER TO STRUCTURAL DETAIL 33 / S0.3
4. FLOORING SYSTEM & BASE, SEE FINISH SCHEDULE
5. PAINTED GYP. BD. ABOVE TILE WAINSCOT, SEE INTERIOR ELEVATIONS
6. THIN SET CERAMIC TILE FLOOR w/ COVED TILE BASED OVER (E) SLAB. SEE FINISH SCHEDULE
7. CERAMIC TILE WALL FINISH, SEE INTERIOR ELEVATIONS & FINISH SCHEDULE
8. PLUMBING FIXTURE PER PLUMBING DWGS., TYP.
9. ALUMINUM WINDOW FRAME PER FRAME SCHEDULE
10. BASE CABINET, COUNTERTOP & ACCESS. SINK WITH BUBBLER, SEE DETAIL 13 / A59
11. FULL HEIGHT TYPE CABINET, SEE INTERIOR ELEVATIONS
12. WALL FINISHES o/ (E) STUD WALL FRAMING ((N) WALL FRAMING WHERE OCCURS), SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES
13. WALL FINISHES o/ (E) DIAGONAL SHEATHING SHEAR WALL, SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. IF REQUIRED TO ACCESS WALL TO INSTALL POWER/DATA, REMOVE (E) DIAGONAL SHEATHING AND REPLACE PER DETAIL 44 / 50.3
14. DOOR & FRAME, COORDINATE w/ DOOR SCHEDULE
15. RIGID SOUND BOARD AND RESILIENT CHANNEL, FULL HEIGHT TO BOTTOM OF ROOF DECK
16. 5" CONCRETE SLAB (SHOWN SHADED) TO FLUSH & MATCH (E), COORDINATE w/ PLUMBING & STRUCTURAL DWGS
17. DASH DOT DENOTES LOCATION OF (N) SHEAR WALL. COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
18. FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUDS AND PARTITIONS, INCLUDING FURRED SPACES, AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS:
    1. VERTICALLY AT CEILING AND FLOOR LEVELS.
    2. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.



BUILDING A
1 ENLARGED DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"

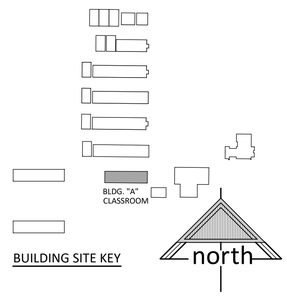
north

ENLARGED DEMOLITION PLAN LEGEND

- (E) WOOD STUD WALL TO REMAIN
- (E) WALL TO BE REMOVED
- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED

ENLARGED DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 NOT USED
- D2 REMOVE (E) WOOD DOOR & FRAME IN ITS ENTIRETY
- D3 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM PER FRAME SCHEDULE OR WALL INFILL PER FLOOR PLAN & INTERIOR ELEVATIONS
- D4 REMOVE (E) BASE CABINET, COUNTERTOP & SINK (WHERE OCCURS), SEE PLUMBING DWGS
- D5 REMOVE (E) SHELVING & POLES, PREP FOR (N) PER FLOOR PLAN & INTERIOR ELEVATIONS
- D6 REMOVE (E) FLOOR FINISH & BASE, PREP FOR (N) FLOOR FINISH & BASE PER FLOOR PLAN
- D7 REMOVE (E) DRINKING FOUNTAIN, COORDINATE w/ PLUMBING DWGS
- D8 REMOVE (E) WALL HUNG LAVATORY. COORDINATE w/ PLUMBING DWGS
- D9 REMOVE (E) FLOOR MOUNTED WATER CLOSET, COORDINATE w/ PLUMBING DWGS
- D10 REMOVE (E) WALL MOUNTED CABINET IN ITS ENTIRETY
- D11 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER, SEE FLOOR PLAN FOR (N) RECESSED FIRE EXTINGUISHER & CABINET
- D12 REMOVE (E) BOOKSHELVES IN ITS ENTIRETY
- D13 (E) PIPE COLUMN TO REMAIN, PROTECT
- D14 REMOVE (E) WALL FRAMING AS REQUIRED FOR (N) DOOR & FRAME SYSTEM PER FLOOR PLAN
- D15 REMOVE (E) WALL FINISHES TO EXPOSE PLYWOOD SHEATHING SHEAR WALL. PREP FOR (N) FINISHES o/ (E) PLYWOOD SHEATHING SHEAR WALL
- D16 REMOVE (E) STUD FRAMING & CONCRETE CURB (WHERE OCCURS)
- D17 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. COORDINATE w/ PLUMBING DWGS
- D18 SAWCUT & REMOVE (E) CONCRETE SLAB (SHOWN SHADED) & PREP FOR (N) CONCRETE SLAB. COORDINATE w/ PLUMBING DWGS. NOTE, (E) SLAB HAS ABANDONED HEATING COILS APPROX. 2.75" INTO SLAB. SAWCUT AS REQUIRED. AT CLASSROOM SINKS, REMOVE (E) CIRCULATION PUMP FOR ABANDONED HEATING COILS. NOTE, SHADING IS REPRESENTATIVE APPROXIMATE AREA OF DEMO. CONTRACTOR SHALL FIELD VERIFY (E) CONDITION AND COORDINATE WITH OTHER DISCIPLINES FOR EXTENT OF ACTUAL DEMO.



BUILDING SITE KEY

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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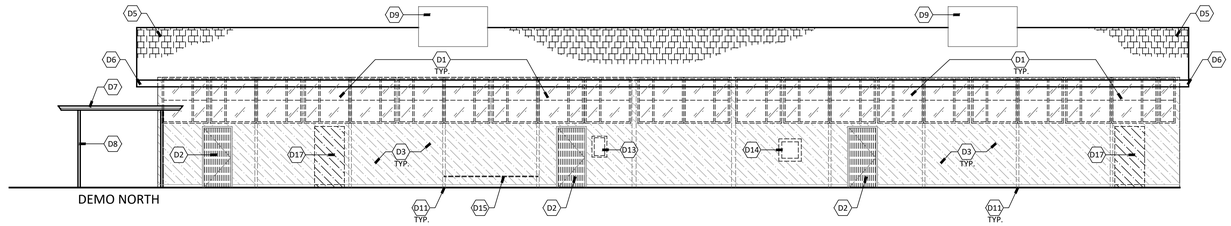
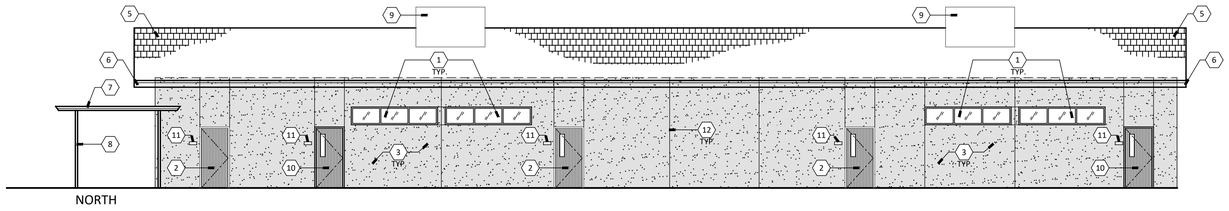
(559) 627.1926 Fax

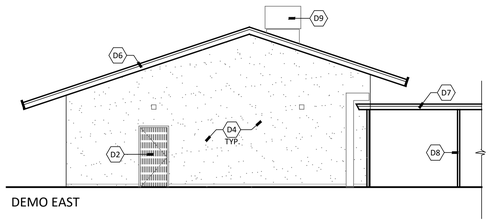
TITLE
BUILDING A
ENLARGED DEMO
FLOOR PLAN,
ENLARGED FLOOR PLAN

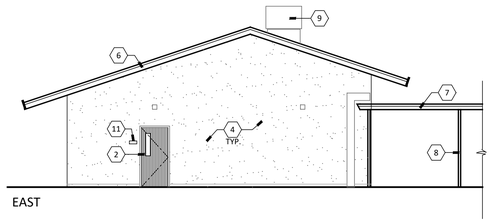
A2

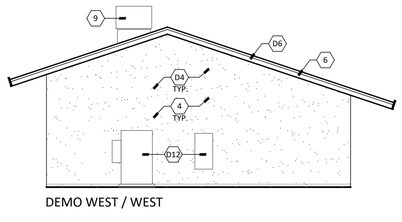
PROJECT 24043

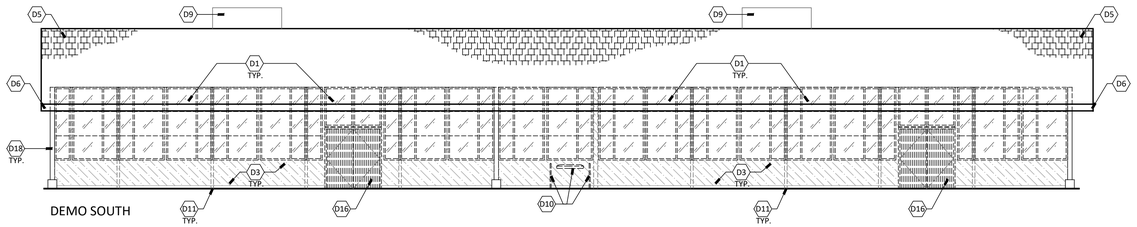


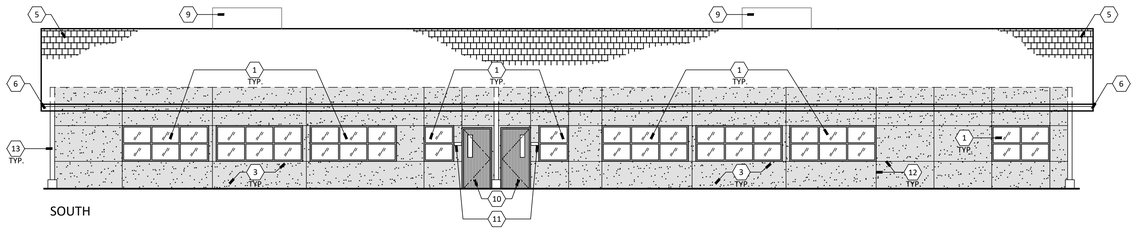












BUILDING A
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

DEMO. EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

D1 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM OR STUD WALL INFILL WHERE OCCURS PER FLOOR PLAN & FRAME TYPE SCHEDULE

D2 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE

D3 REMOVE (E) CEMENT PLASTER & DIAGONAL SHEATHING, THIS WALL (SHOWN DASHED), PREP FOR (N) DIRECT APPLIED EXTERIOR FINISH (DEFS) PLASTER SYSTEM

D4 (E) PLASTER, PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT

D5 REMOVE (E) COMP. SHINGLE ROOF, PREP FOR (N) COMP. SHINGLE PER ROOF PLAN

D6 (E) FASCIA TO REMAIN, PROTECT. PREP FOR PAINT

D7 (E) FASCIA & METAL DRIP EDGE AT CORRIDOR TO REMAIN, PROTECT. PREP FOR PAINT

D8 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT

D9 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

D10 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. COORDINATE w/ PLUMBING DWGS

D11 (E) STEEL COLUMNS INSIDE WALL TO REMAIN, PROTECT

D12 (E) ELECTRIC PANEL TO REMAIN, PROTECT. COORDINATE w/ ELECTRICAL DWGS

D13 (E) ELECTRICAL PANEL TO BE REMOVED, COORDINATE w/ ELECTRICAL DWGS. PREP FOR STUD WALL INFILL AT REMOVED ELECTRICAL PANEL

D14 REMOVE (E) FIRE HOSE CABINET IN ITS ENTIRETY, CAP (E) WATER LINE IN WALL. COORDINATE w/ PLUMBING DWGS. PREP FOR STUD WALL INFILL AT REMOVED FIRE HOSE CABINET

D15 REMOVE (E) WOOD BENCH. PATCHBACK WALL FINISHES TO FLUSH & MATCH (E) AT REMOVED BENCH

D16 REMOVE (E) DOOR & FRAME ASSEMBLY IN ITS ENTIRELY

D17 REMOVE (E) WALL FRAMING AS REQUIRED FOR (N) DOOR & FRAME SYSTEM PER FLOOR PLAN

D18 (E) WOOD FINISH TO REMAIN. PREP FOR PAINT

EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

1 ALUMINUM WINDOW FRAME WITH GLAZING IN (E) OPNG. PER FLOOR PLAN & FRAME SCHEDULE

2 HOLLOW METAL DOOR IN (E) FRAME, SEE DOOR SCHEDULE

3 IN-FILL WALL OPENING w/ STUDS & DIRECT APPLIED EXTERIOR FINISH (DEFS) PLASTER SYSTEM TO FLUSH & MATCH (E), SHOWN SHADED. PAINT WALL (b)

4 (E) CEMENT PLASTER WITH NEW SKIM COAT FINISH, PAINT (b)

5 CLASS 'A' COMP. SHINGLE ROOF, SEE ROOF PLAN (d)

6 (E) FASCIA TO REMAIN, PAINT (c)

7 (E) FASCIA & METAL DRIP EDGE AT CORRIDOR, PAINT. FULL EXTENT OF CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF CORRIDOR FASCIA (c)

8 (E) PIPE COLUMN TO REMAIN, PROTECT. PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDINGS. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) PIPE COLUMNS (c)

9 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

10 HOLLOW METAL DOOR & FRAME, SEE DOOR SCHEDULE

11 TYPE "B2" ROOM SIGN. SEE DOOR SCHEDULE

12 PLASTER CONTROL SCREED, SEE 3/A60

13 (E) WOOD FINISH TO REMAIN, PAINT (b)

APPROVALS

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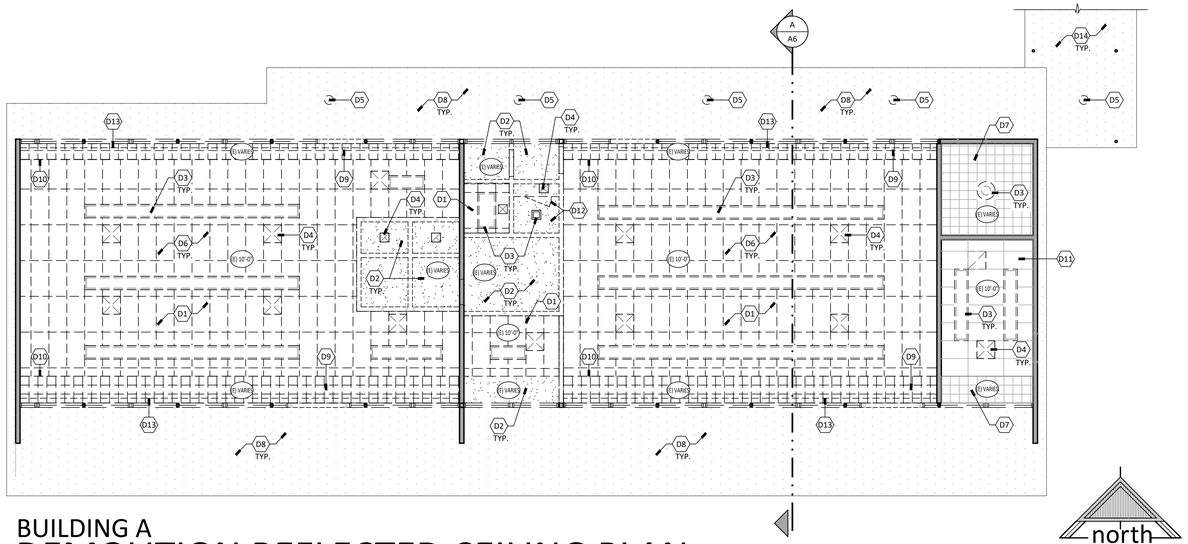
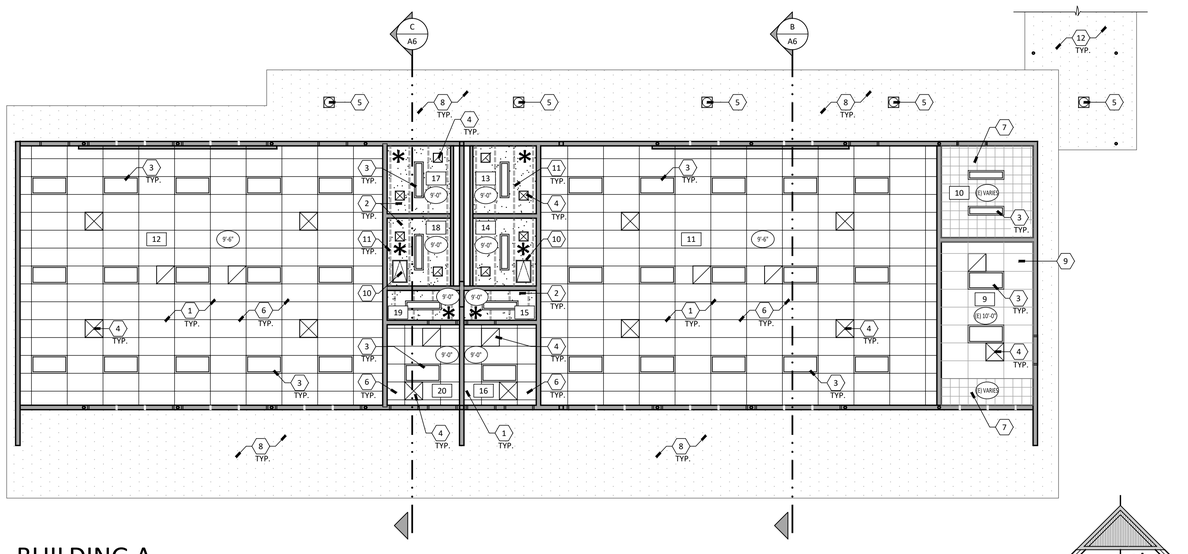
TITLE
BUILDING A
EXTERIOR
ELEVATIONS

A3

PROJECT 24043



BUILDING A
DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



BUILDING A
REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION
REFLECTED CEILING PLAN KEYNOTES, THIS SHEET ONLY:

D1 REMOVE (E) T-BAR CEILING GRID & PANEL SYSTEM, PREP FOR (N) CEILING LAYOUT PER REFLECTED CEILING PLAN

D2 REMOVE (E) GYP. BD. CEILING & CEILING FRAMING, PREP FOR (N) CEILING LAYOUT PER REFLECTED CEILING PLAN

D3 REMOVE (E) LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS.

D4 REMOVE (E) MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS

D5 REMOVE (E) EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS

D6 REMOVE (E) BATT. INSULATION AT CEILING LINE

D7 (E) 12" x 12" GLUE-UP CEILING TILES, BACKING, & CEILING FRAMING TO REMAIN, PROTECT

D8 (E) CEMENT PLASTER AT OVERHANG TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT

D9 REMOVE (E) 12" x 12" GLUE-UP CEILING TILES, BACKING, & CEILING FRAMING

D10 REMOVE (E) VERTICAL ANGLED LAY-IN CEILING SYSTEM, TYP.

D11 (E) T-BAR CEILING GRID TO REMAIN. REMOVE CEILING PANELS AS REQUIRED FOR (N) DUCTWORK. PREP FOR REINSTALL

D12 REMOVE (E) CEILING FINISH, FRAMING, AND ATTIC PLATFORM IN ITS ENTIRETY. SEE REFLECTED CEILING PLAN FOR (N) CEILING LAYOUT. COORDINATE REMOVAL OF ATTIC WATER HEATER w/ PLUMBING DWGS

D13 REMOVE (E) CURTAIN/SHADE SYSTEM IN ITS ENTIRETY, TYP.

D14 (E) CEMENT PLASTER AT CORRIDOR TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT.

REFLECTED CEILING PLAN LEGEND:

(E) CEMENT PLASTER SOFFIT/OVERHANG SYSTEM

2' x 4' SUSPENDED CEILING GRID SYSTEM (E) WHERE OCCURS

(E) 12" x 12" GLUE UP CEILING TILES

GYP. BD. CEILING TEXTURED & PAINTED

+X'-X" ELEVATION ABOVE FINISH FLOOR LEVEL

* ASTERISK INDICATES SOUND INSULATION BATTS ABOVE CEILING, REFER TO SPECIFICATIONS, TYP.

REFLECTED CEILING PLAN KEYNOTES THIS SHEET ONLY:

1 SUSPENDED CEILING SYSTEM GRID & PANELS, FOR ADDITIONAL INFORMATION, SEE SECTIONS & DETAILS 1/A62 1/A63

2 5/8" TYPE 'X' GYP. BD. CEILING o/ 2x CEILING FRAMING

3 LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS

4 MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS

5 EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS. PATCH & REPAIR CEMENT PLASTER AS REQUIRE FOR INSTALL OF (N) RECESSED FIXTURE

6 R-30 BATT INSULATION AT ROOFLINE, SEE SECTIONS

7 (E) 12" x 12" GLUE-UP CEILING TILES, BACKING, & CEILING FRAMING TO REMAIN, PROTECT

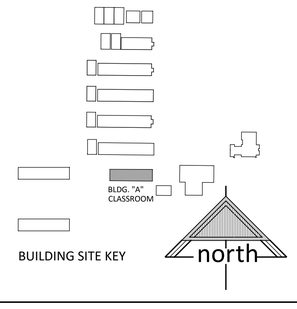
8 (E) CEMENT PLASTER AT OVERHANG WITH NEW SKIM COAT FINISH, PAINT b

9 (E) T-BAR CEILING GRID. REINSTALL CEILING PANELS IN (E) GRID

10 24" x 36" ATTIC ACCESS, SEE DETAIL 21/A60

11 DASHED LINE DENOTES ORIENTATION OF (N) 2x CEILING FRAMING. FOR ADDITIONAL INFORMATION REFER STRUCTURAL DRAWINGS 16/A61

12 (E) CEMENT PLASTER AT CORRIDOR WITH NEW SKIM COAT FINISH, PAINT b FULL EXTENT OF (E) CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) CORRIDOR.



BUILDING SITE KEY

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

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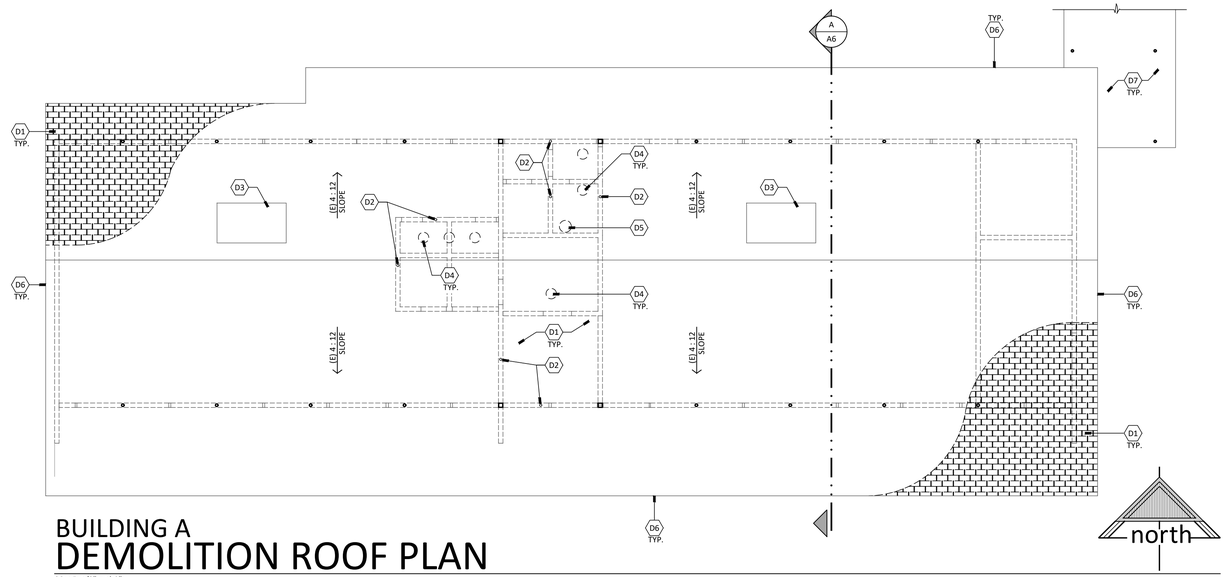
TITLE
BUILDING A DEMO REFLECTED CEILING PLAN, REFLECTED CEILING PLAN

A4

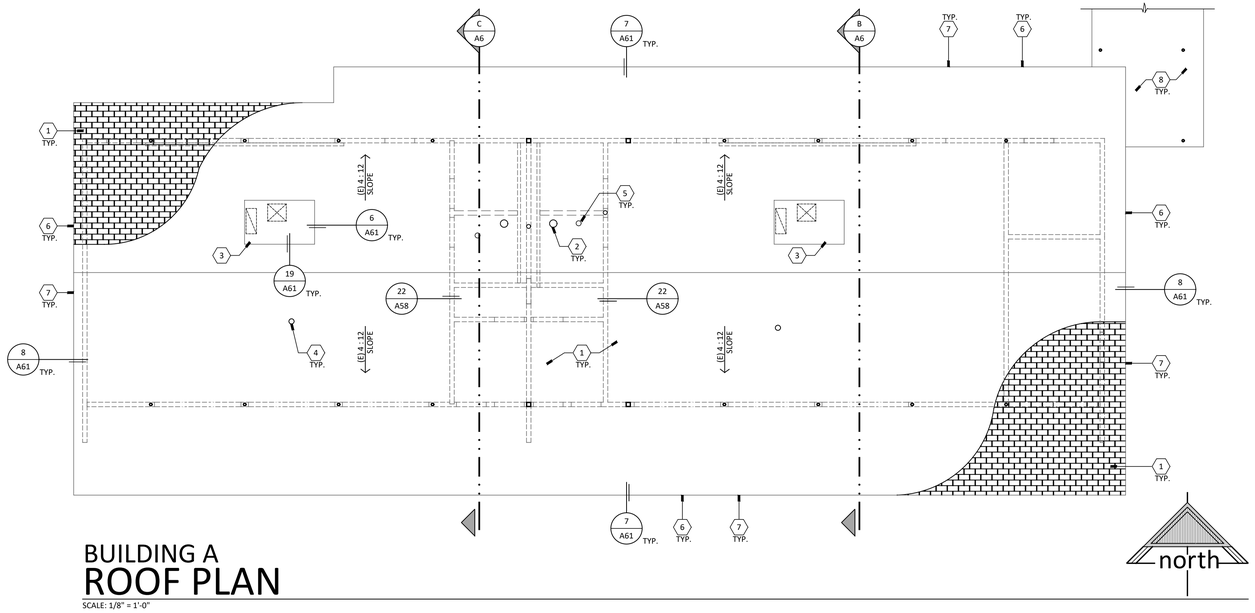
PROJECT 24043



BUILDING A
DEMOLITION ROOF PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION
ROOF PLAN KEYNOTES, THIS SHEET ONLY:

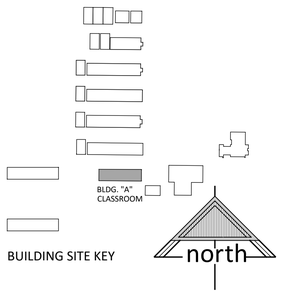
- D1 REMOVE (E) COMP. SHINGLE ROOFING TO EXPOSE (E) DIAGONAL SHEATHING. PREP FOR (N) COMP. SHINGLE ROOFING o/ (E) DIAGONAL SHEATHING PER ROOF PLAN
- D2 REMOVE (E) PIPE VENTS AND PREPARE FOR (N) PIPE VENTS, COORDINATE w/ PLUMBING DWGS
- D3 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS
- D4 REMOVE (E) ROOF EXHAUST FANS AND PREPARE FOR (N) ROOF EXHAUST FANS, COORDINATE w/ MECHANICAL DWGS
- D5 REMOVE (E) WATER HEATER VENT, COORDINATE w/ PLUMBING DWGS
- D6 REMOVE (E) METAL FLASHING, PREP FOR (N)
- D7 (E) ROOFING AT CORRIDOR TO REMAIN, PROTECT



BUILDING A
ROOF PLAN
SCALE: 1/8" = 1'-0"

ROOF PLAN KEYNOTES THIS SHEET ONLY:

- 1 CLASS 'A' ASPHALT SHINGLE ROOFING SYSTEM o/ (E) DIAGONAL SHEATHING (d)
- 2 ROOF EXHAUST FANS, COORDINATE w/ MECHANICAL DWGS
- 3 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS
- 4 HOSE BIBB, COORDINATE w/ PLUMBING DWGS
- 5 PIPE VENT, COORDINATE w/ PLUMBING DWGS
- 6 3-1/2" DEEP PRE-FINISHED FLASHING (g)
- 7 (E) FASCIA BOARD, PAINT (c)
- 8 (E) CORRIDOR ROOFING TO REMAIN, PROTECT



BUILDING SITE KEY

APPROVALS

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TITLE
BUILDING A DEMO
ROOF PLAN,
ROOF PLAN

A5

PROJECT 24043

APPROVALS

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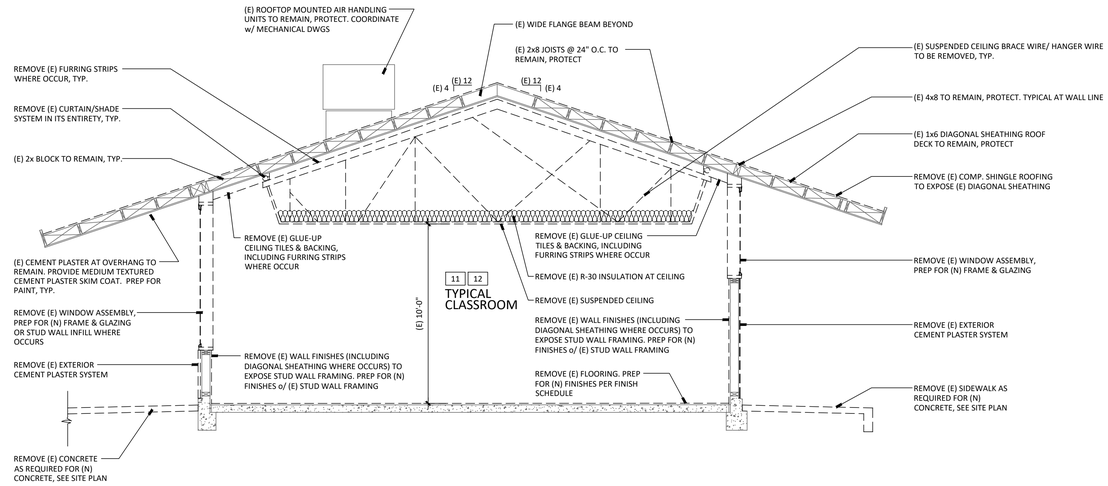
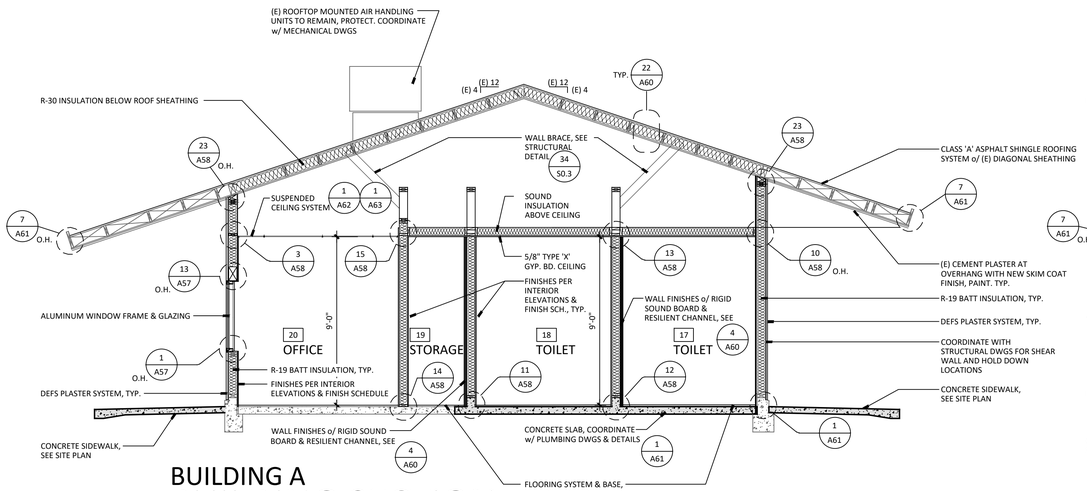


BUILDING A

A DEMOLITION BUILDING SECTION

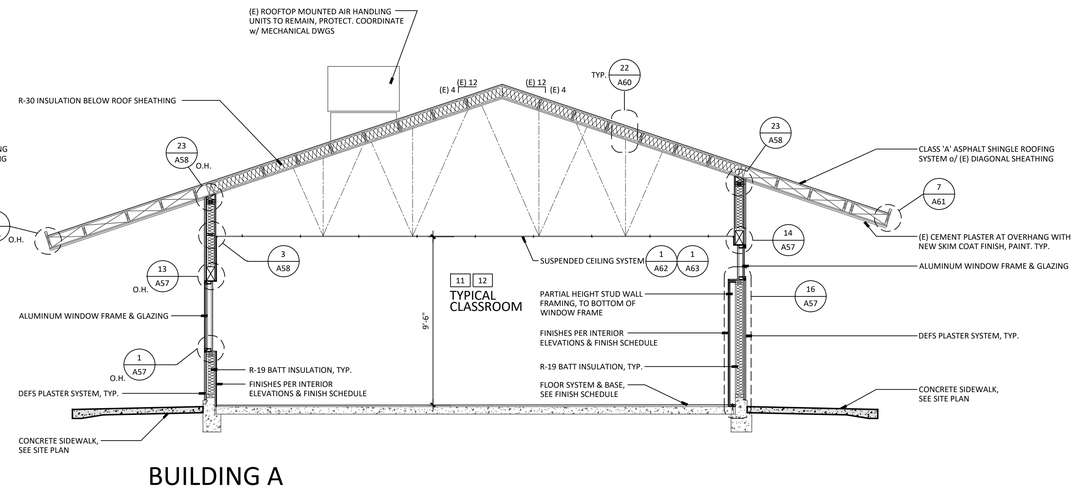
SCALE: 1/4" = 1'-0"



BUILDING A

C BUILDING SECTION

SCALE: 1/4" = 1'-0"



BUILDING A

B BUILDING SECTION

SCALE: 1/4" = 1'-0"

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
BUILDING A
SECTIONS

A6

PROJECT 24043

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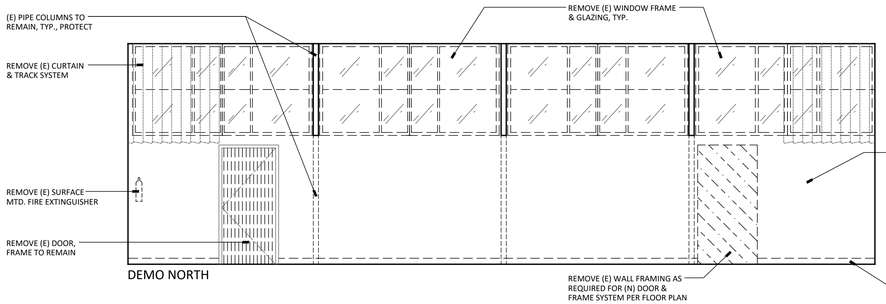
APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025



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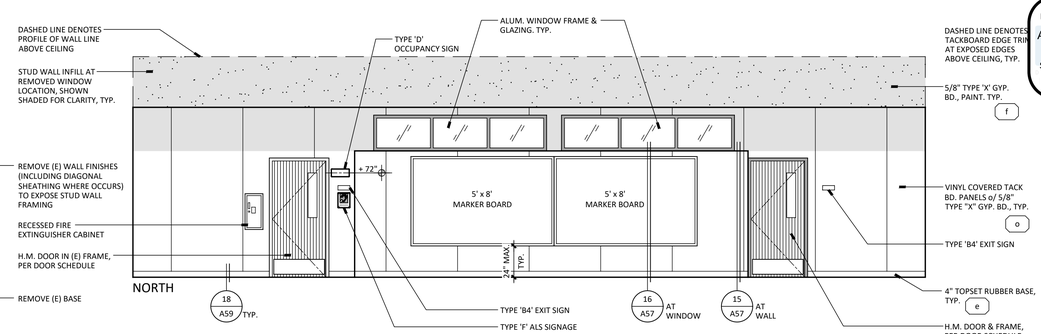

NORTH

TYPICAL NOTES :

1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
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6. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
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12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
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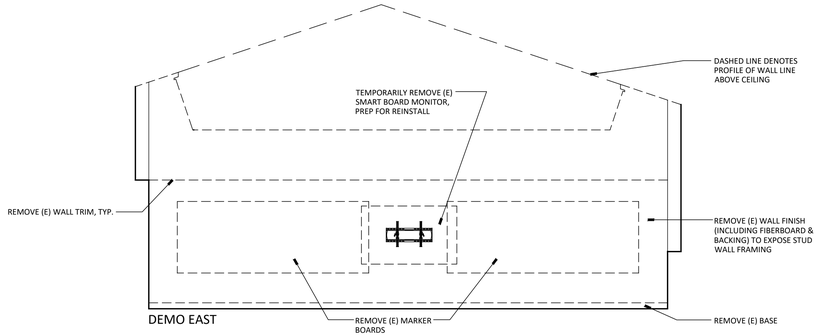
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54



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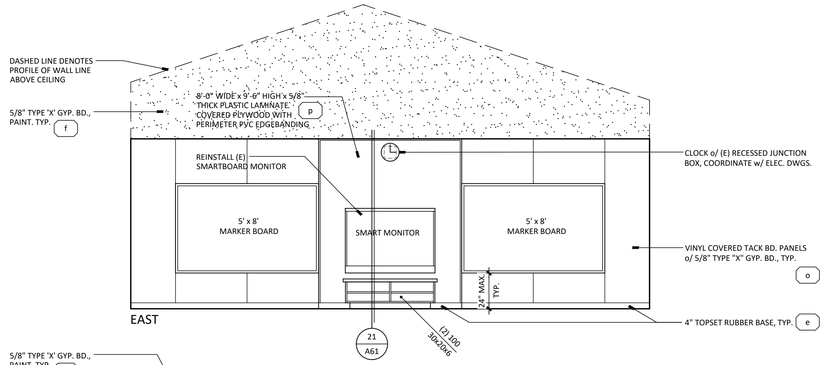

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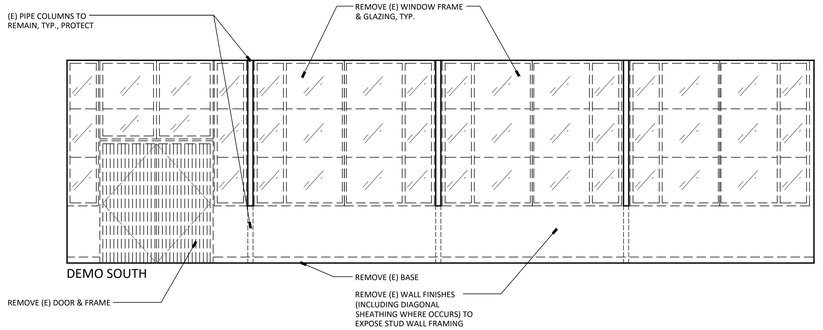

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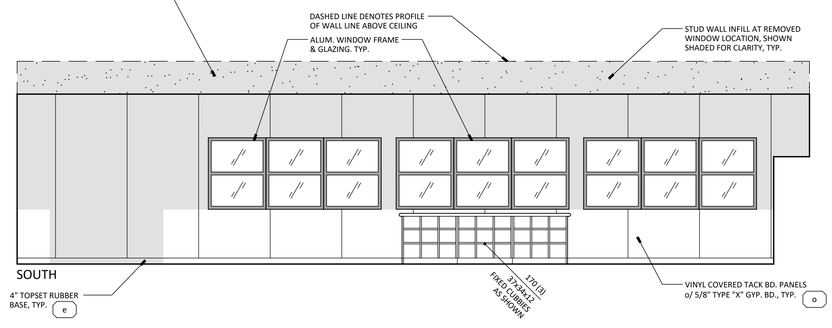

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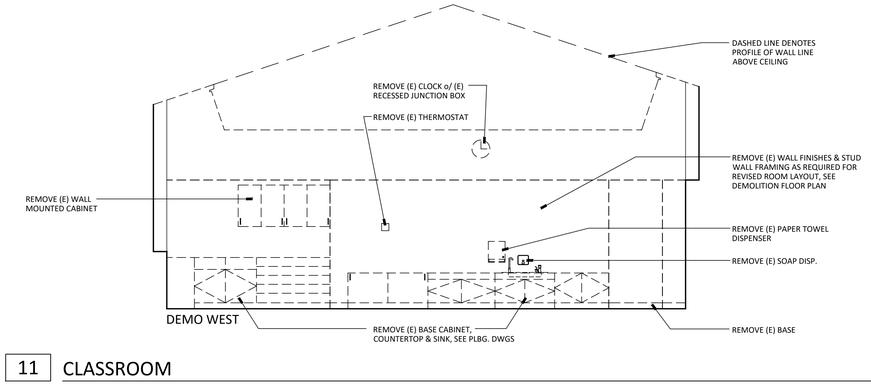

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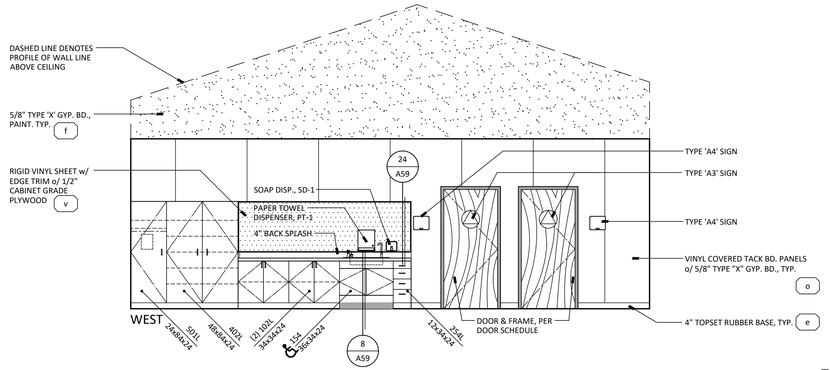

WEST

BUILDING A
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

11 CLASSROOM

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
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TITLE
BUILDING A
INTERIOR
ELEVATIONS

A7

PROJECT 24043

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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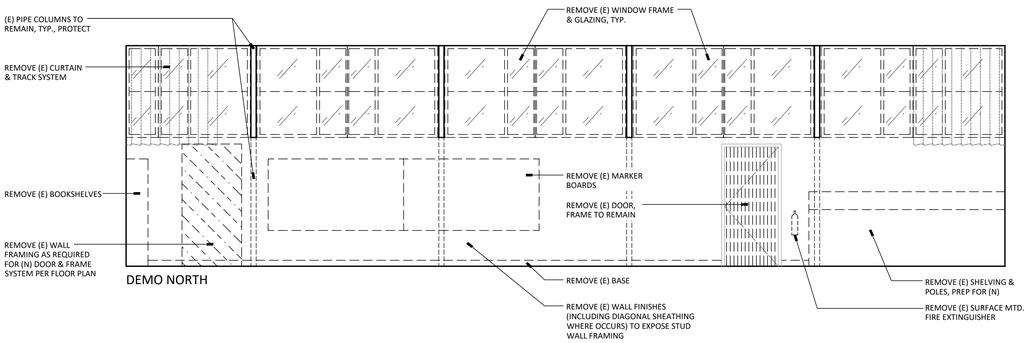
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS



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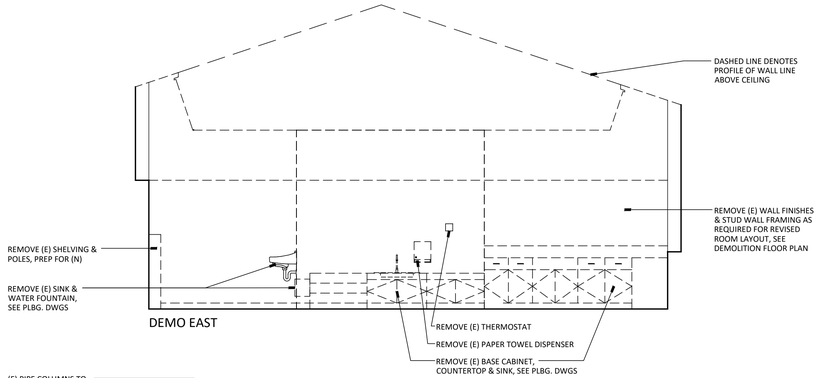

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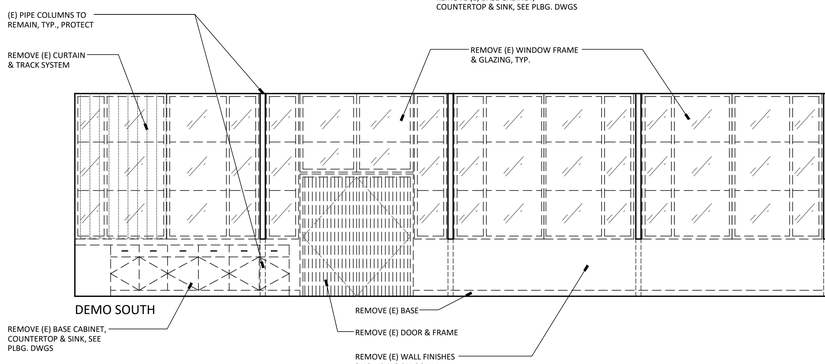

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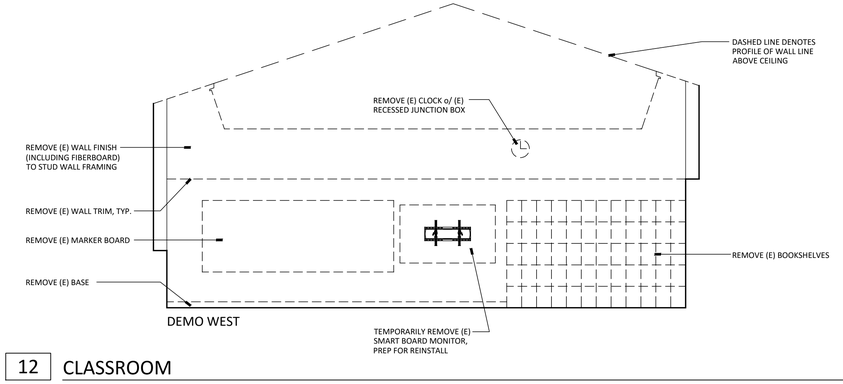

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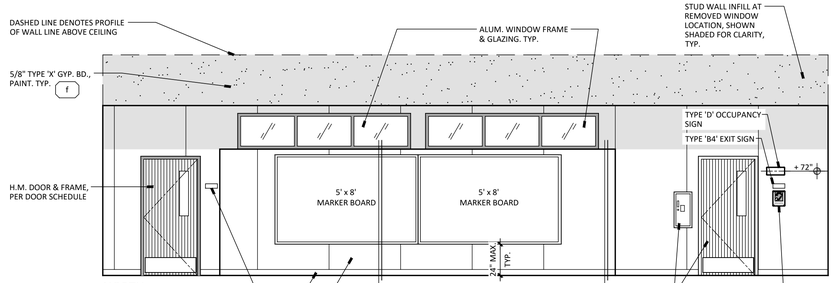

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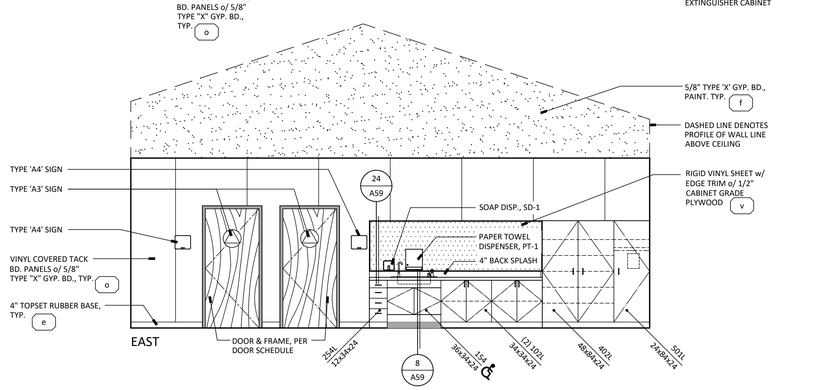

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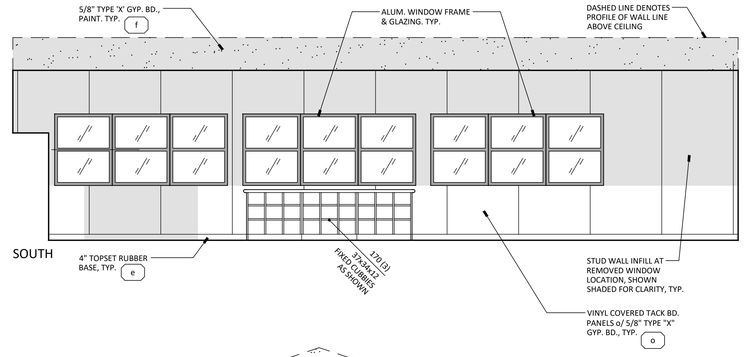

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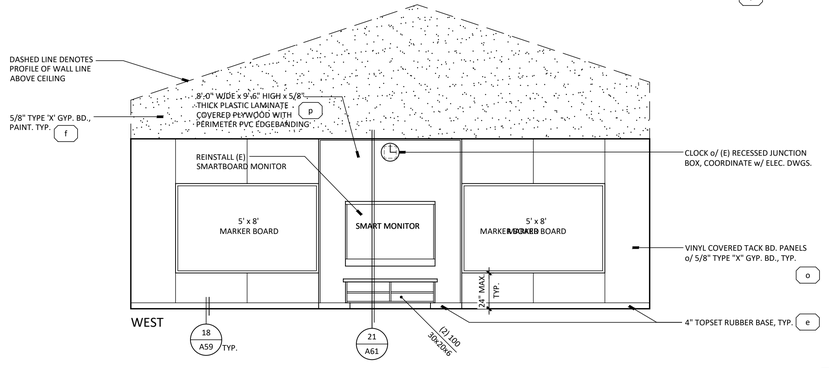

WEST

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BUILDING A
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

12 CLASSROOM

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TITLE
BUILDING A
INTERIOR
ELEVATIONS

A8

PROJECT 24043

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APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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DIV. OF THE STATE ARCHITECT
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SS ☑ FLS ☑ ACS ☑
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LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
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DATE: APRIL 16, 2025

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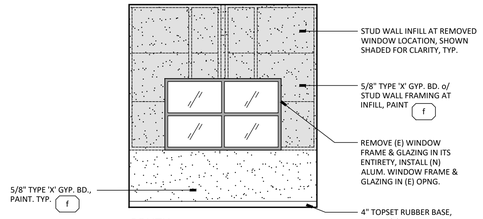
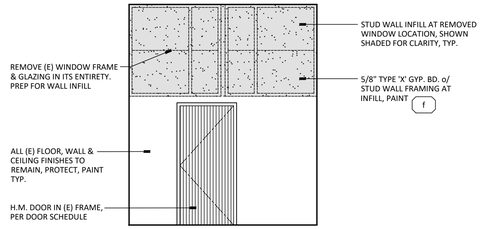


9 PSYCH



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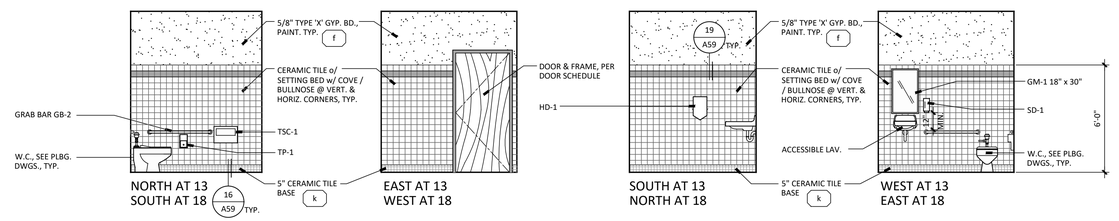
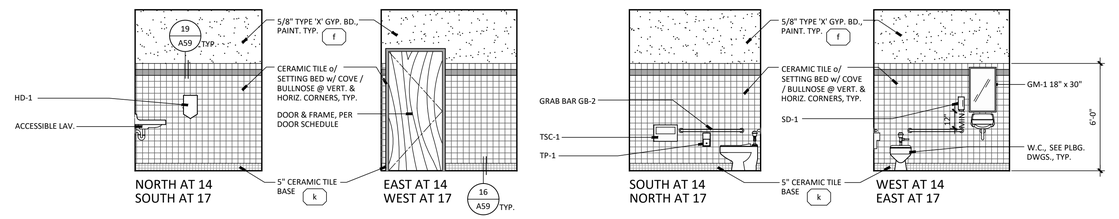
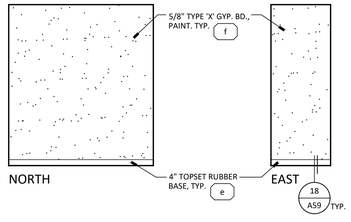
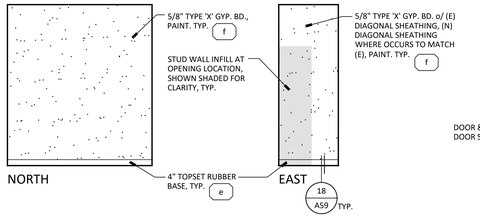


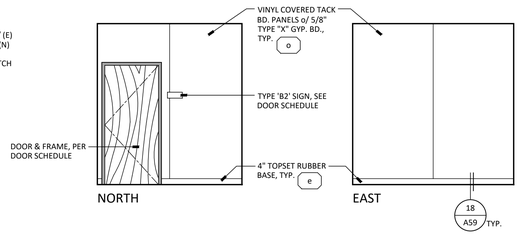
13 TOILET (18 SIM.) REFER TO 16/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - AGE GROUP 9-12

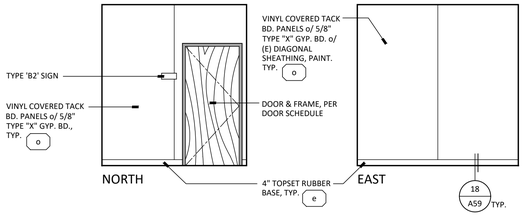


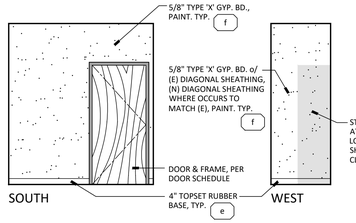
14 TOILET (17 SIM.) REFER TO 16/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - AGE GROUP 9-12











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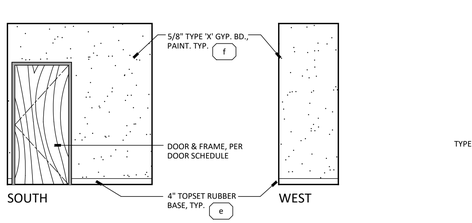

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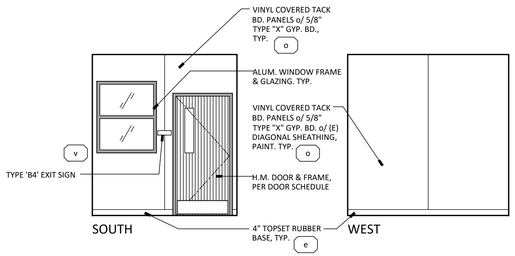
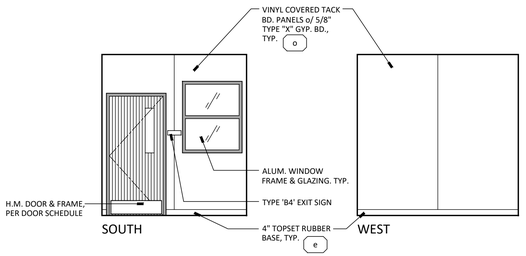


16 OFFICE



20 OFFICE

BUILDING A
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

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MODERNIZATION AT MONROE ELEMENTARY SCHOOL
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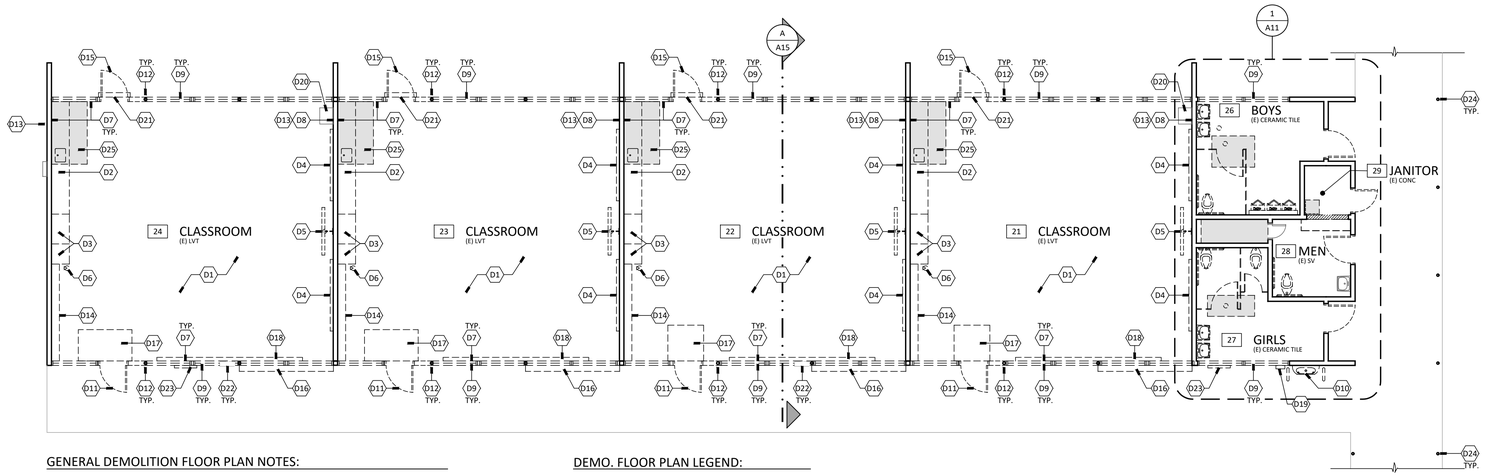
A9

PROJECT 24043



GENERAL DEMOLITION FLOOR PLAN NOTES:

1. VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK
2. PROTECT AREAS NOT IN SCOPE OF WORK
3. SEE STRUCTURAL, PLUMBING, MECHANICAL, & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
4. ALL FIRE ALARM, DATA, & MISCELLANEOUS ABANDONED EQUIPMENT & ABANDONED CONDUIT IS TO BE REMOVED, INCLUDING THOSE THAT ARE NOT CLEARLY VISIBLE

DEMO. FLOOR PLAN LEGEND:

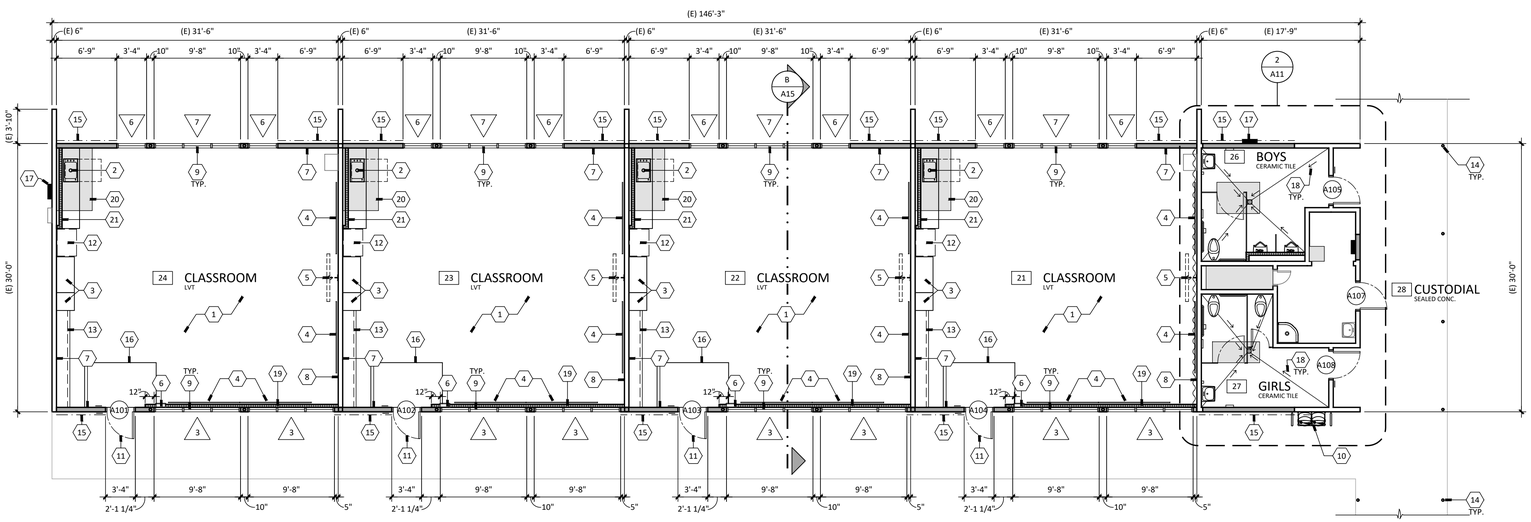
- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED
- (E) 2x STUD WALL TO REMAIN
- (E) 2x STUD WALL TO BE REMOVED

BUILDING A1 - DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) FLOOR FINISH & BASE, PREP FOR (N) FLOOR FINISH & BASE PER FLOOR PLAN
- D2 REMOVE (E) BASE CABINET, COUNTERTOP & SINK (WHERE OCCURS), SEE PLUMBING DWGS
- D3 REMOVE (E) FULL HEIGHT TYPE CABINET IN ITS ENTIRETY
- D4 REMOVE (E) MARKER BOARD, PREP FOR (N) MARKER BOARD PER FLOOR PLAN
- D5 TEMPORARILY REMOVE (E) SMARTBOARD MONITOR & PREP FOR REINSTALL PER FLOOR PLAN & INTERIOR ELEVATIONS
- D6 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER, SEE FLOOR PLAN FOR (N) RECESSED FIRE EXTINGUISHER & CABINET
- D7 REMOVE (E) WALL FINISHES (INCLUDING DIAGONAL SHEATHING WHERE OCCURS) TO EXPOSE STUD WALL FRAMING. PREP FOR (N) FINISHES o/ (E) STUD WALL FRAMING
- D8 REMOVE (E) WALL FINISHES TO EXPOSE DIAGONAL SHEATHING SHEAR WALL. PREP FOR (N) FINISHES o/ (E) DIAGONAL SHEATHING SHEAR WALL
- D9 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM PER FRAME SCHEDULE OR WALL INFILL PER FLOOR PLAN & INTERIOR ELEVATIONS. FOR WALL INFILL INFO, REFER TO STRUCTURAL DETAIL 33/S0.2
- D10 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. PREP FOR (N) DRINKING FOUNTAIN & GUARD RAILS PER FLOOR PLAN. COORDINATE w/ PLUMBING DWGS
- D11 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D12 (E) PIPE COLUMN TO REMAIN, PROTECT
- D13 LOCATION OF (E) SHEAR PANEL THIS SIDE OF WALL, PROTECT
- D14 REMOVE (E) SHELVING & POLES, PREP FOR (N) PER FLOOR PLAN & INTERIOR ELEVATIONS
- D15 REMOVE (E) DOOR & FRAME ASSEMBLY IN ITS ENTIRETY, PREP FOR (N) WALL INFILL PER FLOOR PLAN. FOR WALL INFILL INFO, REFER TO STRUCTURAL DETAIL 33/S0.2
- D16 REMOVE (E) WOOD BENCH. PATCHBACK WALL FINISHES TO FLUSH & MATCH (E) AT REMOVED BENCH
- D17 REMOVE (E) WALK-OFF CARPET, PREP FOR (N)
- D18 REMOVE (E) FRAMED TACKBOARD / CHALKBOARD
- D19 REMOVE (E) WATER BOTTLE FILL STATION, SALVAGE TO OWNER. COORDINATE w/ PLUMBING DWGS. PATCHBACK WALL FINISHES TO FLUSH & MATCH (E)
- D20 (E) IDF, COORDINATE w/ ELECTRICAL DWGS
- D21 REMOVE (E) CONCRETE STOOP
- D22 REMOVE (E) ELECTRICAL PANEL, SEE ELECTRICAL DWGS. PATCHBACK EXTERIOR WALL TO FLUSH & MATCH (E)
- D23 REMOVE (E) FIRE HOSE CABINET IN ITS ENTIRETY, CAP (E) WATER LINE IN WALL, COORDINATE w/ PLUMBING DWGS
- D24 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT
- D25 SAWCUT & REMOVE (E) CONCRETE SLAB (SHOWN SHADED) & PREP FOR (N) CONCRETE SLAB. COORDINATE w/ PLUMBING DWGS. NOTE, (E) SLAB HAS ABANDONED HEATING COILS APPROX. 2.75" INTO SLAB. SAWCUT AS REQUIRED. AT CLASSROOM SINKS, REMOVE (E) CIRCULATION PUMP FOR ABANDONED HEATING COILS. NOTE, SHADING IS REPRESENTATIVE APPROXIMATE AREA OF DEMO. CONTRACTOR SHALL FIELD VERIFY (E) CONDITION AND COORDINATE WITH OTHER DISCIPLINES FOR EXTENT OF ACTUAL DEMO.



GENERAL FLOOR PLAN NOTES:

1. FINISH ALL GYPSUM BOARD EDGES PER DETAIL 14/A60
2. REFER TO INTERIOR ELEVATIONS FOR TYP. ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS
3. REFER TO INTERIOR ELEVATIONS AND DOOR SCHEDULE FOR ALL ROOM AND BUILDING SIGNAGES
4. = MATERIAL DEFINITION, SEE FINISH SCHEDULE
5. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR ALL ROOM FINISHES
6. FOR WALL PENETRATIONS OF PIPE OR CONDUIT, REFER TO DETAIL 13/A60
7. FOR (N) CONC. SLAB TO (E) OR FOR (E) CONC. SLAB INFILL, SEE STRUCTURAL
8. FOR (N) CONC. CURB TO (E), SEE STRUCTURAL
9. PATCH & REPAIR ALL WALL FINISHES, FLOORING, & BASE AS NEEDED FOR A FINISHED FINAL RESULT
10. PROVIDE THERMAL BATT INSULATION AT ALL EXTERIOR WALLS FULL HEIGHT & SOUND BATT INSULATION AT INTERIOR STUD WALLS FULL HEIGHT. SEE SPECS. FOR ADDITIONAL INFORMATION
11. FOR TYPICAL STUD WALL INFILL FRAMING, SEE STRUCTURAL
12. FOR TYPICAL NEW OPENING FRAMING, SEE STRUCTURAL

FLOOR PLAN LEGEND:

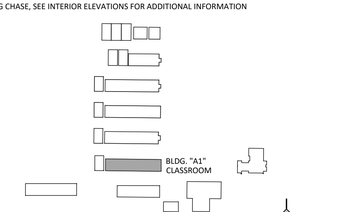
- (E) WOOD FRAMED WALL TO REMAIN, PROTECT
- 2x6 WOOD STUD @ 16" O.C.
- 2x4 WOOD STUD @ 16" O.C.
- RIGID SOUND BOARD & RESILIENT CHANNEL, SEE 4/A60
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- INDICATES 30" x 48" CLEAR FL. SPACE
- FRAME TYPE, SEE FRAME TYPE SCHEDULE
- ROOM NUMBER / FLOOR FINISH MATERIAL

BUILDING A1 - FLOOR PLAN

SCALE: 1/8" = 1'-0"

FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

1. FLOOR & BASE, SEE FINISH SCHEDULE
2. BASE CABINET, COUNTERTOP & ACCESS. SINK WITH BUBBLER, SEE DETAIL 13/A59
3. FULL HEIGHT TYPE CABINET, SEE INTERIOR ELEVATIONS
4. MARKER BOARD, SEE INTERIOR ELEVATIONS
5. REINSTALL (E) SMARTBOARD MONITOR, SEE INTERIOR ELEVATIONS
6. RECESSED FIRE EXTINGUISHER & CABINET
7. WALL FINISHES o/ (E) STUD WALL FRAMING ((N) WALL FRAMING WHERE OCCURS), SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES
8. WALL FINISHES o/ (E) DIAGONAL SHEATHING SHEAR WALL, SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES. IF REQUIRED TO ACCESS WALL TO INSTALL POWER/DATA, REMOVE (E) DIAGONAL SHEATHING AND REPLACE PER DETAIL 44/S0.3
9. ALUMINUM WINDOW FRAME PER FRAME SCHEDULE
10. DRINKING FOUNTAIN & GUARD RAILS, COORDINATE w/ EXTERIOR ELEVATIONS & PLUMBING DWGS. SEE DETAIL 21/A59
11. HOLLOW METAL DOOR IN (E) HOLLOW METAL FRAME, COORDINATE w/ DOOR SCHEDULE
12. LOCATION OF PORTABLE CHARGING STATION, N.I.C.
13. SHELVING & COAT HANGER PER INTERIOR ELEVATIONS
14. PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDINGS. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) PIPE COLUMNS
15. DASH DOT DENOTES LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
16. 5'-0" x 8'-0" WALK-OFF CARPET MAT AT ENTRY, SEE FINISH SCHEDULE, FLUSH w/ FINISH FLOOR, TYP.
17. ELECTRICAL PANEL, SEE ELECTRICAL DRAWINGS
18. SLOPE TO DRAIN, TYP.
19. PARTIAL HEIGHT STUD WALL, SEE SECTIONS AND INTERIOR ELEVATIONS
20. 5" CONCRETE SLAB (SHOWN SHADED) TO FLUSH & MATCH (E), COORDINATE w/ PLUMBING & STRUCTURAL DWGS.
21. 4" PLUMBING CHASE, SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION



BUILDING SITE KEY

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI | ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
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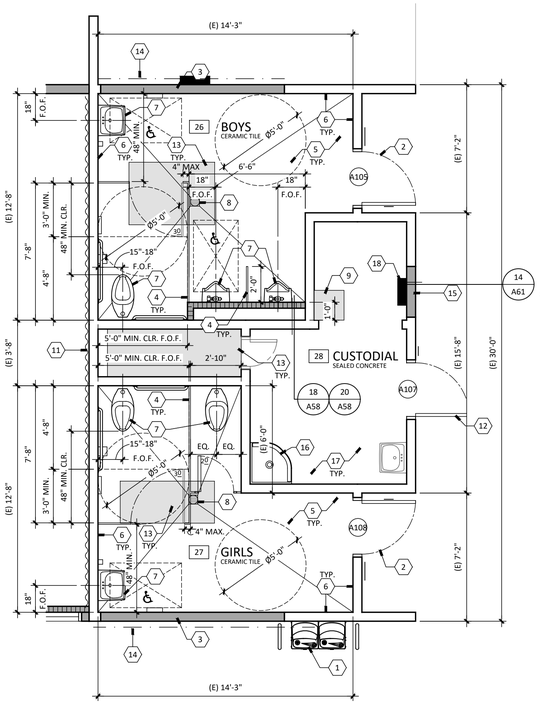
(559) 627-1926 Fax

TITLE
BUILDING A1
DEMO FLOOR PLAN,
FLOOR PLAN

A10

PROJECT 24043



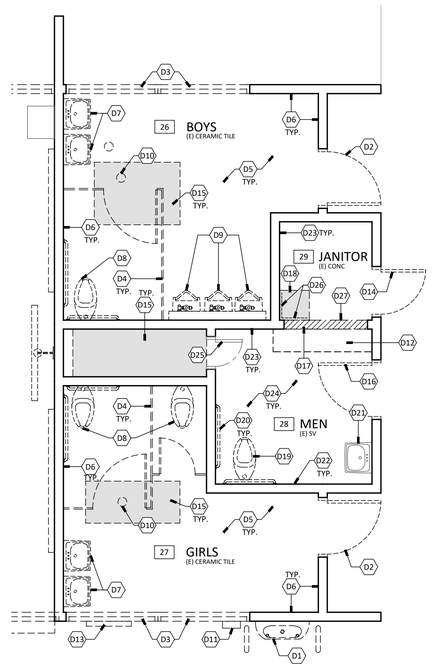
ENLARGED FLOOR PLAN LEGEND

- (E) WOOD STUD WALL
- 2x6 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- 2x4 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- RIGID SOUND BOARD & RESILIENT CHANNEL, SEE 4 / A60
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- INDICATES 30" x 48" CLEAR W.C. SPACE
- INDICATES 5' DIAMETER FL. ROTATION SPACE

ENLARGED FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

1. DRINKING FOUNTAIN w/ GUARD RAILS PER PLUMBING DWGS & EXTERIOR ELEVATIONS
2. HOLLOW METAL DOOR IN (E) HOLLOW METAL FRAME, COORDINATE w/ DOOR SCHEDULE
3. STUD WALL INFILL AT REMOVED WINDOWS. FOR TYPICAL WALL INFILL, SEE STRUCTURAL
4. TOILET PARTITION, SEE SPECS. & INTERIOR ELEVATIONS
5. CERAMIC TILE FLOOR w/ COVED TILE BASED OVER (E) DEPRESSED SLAB. SEE FINISH SCHEDULE, SLOPE TO DRAIN
6. CERAMIC TILE WALL FINISH, SEE INTERIOR ELEVATIONS & FINISH SCHEDULE
7. PLUMBING FIXTURE PER PLUMBING DWGS., TYP.
8. FLOOR DRAIN, COORDINATE w/ PLUMBING DWGS
9. CONCRETE INFILL AT REMOVED MOP PIT. FLUSH CONCRETE TO MATCH (E)
10. NOT USED
11. RIGID SOUND BOARD AND RESILIENT CHANNEL, FULL HEIGHT TO BOTTOM OF ROOF DECK
12. HOLLOW METAL DOOR AND FRAME PER DOOR SCHEDULE
13. 5" CONCRETE SLAB (SHOWN SHADED) TO FLUSH & MATCH (E), COORDINATE w/ PLUMBING & STRUCTURAL DWGS
14. DASH DOT DENOTES LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
15. STUD WALL INFILL & CONCRETE CURB AT REMOVED DOOR & FRAME
16. MAP SINK, COORDINATE w/ PLUMBING DRAWINGS
17. SEALED CONCRETE & 6" RUBBER TOPSET BASE, SEE FINISH SCHEDULE
18. FIRE ALARM PANEL, COORDINATE w/ ELECTRICAL DWGS. PATCH & REPAIR WALL FINISHES TO FLUSH & MATCH (E)

BUILDING A1
2 ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"



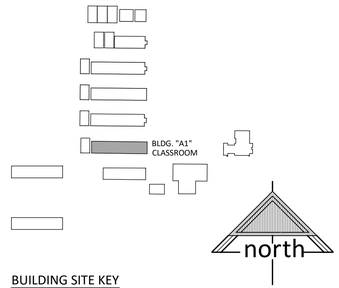
ENLARGED DEMOLITION PLAN LEGEND

- (E) WOOD STUD WALL TO REMAIN
- (E) WALL TO BE REMOVED
- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED

ENLARGED DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. REPLACE w/ (N) DRINKING FOUNTAIN & GUARD RAILS PER FLOOR PLAN
- D2 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D3 REMOVE (E) STEEL FRAMED WINDOWS & PREP FOR WALL INFILL PER FLOOR PLAN
- D4 REMOVE (E) FLOOR MOUNTED OVERHEAD BRACED TOILET PARTITIONS INCLUDING DOOR.
- D5 REMOVE (E) CERAMIC TILE FLOOR, TERRAZZO UNDERLAY, & MORTAR BED TO EXPOSE 1-1/2" DEPRESSED CONCRETE SLAB, PREP FOR (N) FLOORING PER FLOOR PLAN
- D6 REMOVE (E) CERAMIC TILE & MORTAR BED AT WALLS, TYP. SEE INTERIOR ELEVATIONS. (E) GYP. PLASTER ABOVE TILE WAINSCOT TO REMAIN, PROTECT
- D7 REMOVE (E) WALL HUNG LAVATORY. COORDINATE w/ PLUMBING DWGS
- D8 REMOVE (E) WALL MOUNTED WATER CLOSET, COORDINATE w/ PLUMBING DWGS
- D9 REMOVE (E) SURFACE MOUNTED URINAL & PLUMBING WALL IN ITS ENTIRETY. COORDINATE w/ PLUMBING DWGS
- D10 REMOVE (E) FLOOR DRAIN, COORDINATE (N) FLOOR DRAIN w/ PLUMBING DWGS
- D11 REMOVE (E) WATER BOTTLE FILL STATION, SALVAGE TO OWNER. COORDINATE w/ PLUMBING DWGS. PATCHBACK WALL FINISHES TO FLUSH & MATCH (E)
- D12 REMOVE (E) ELECTRICAL SWITCHBOARD, COORDINATE WITH ELECTRICAL DWGS. PREP WALL FOR PATCHBACK & FINISHES TO FLUSH & MATCH (E)
- D13 REMOVE (E) FIRE HOSE CABINET IN ITS ENTIRETY, CAP (E) WATER LINE IN WALL, COORDINATE w/ PLUMBING DWGS
- D14 REMOVE (E) DOOR & FRAME IN THEIR ENTIRETY. PREP FOR STUD WALL INFILL AT REMOVED DOOR & FRAME.
- D15 SAWCUT & REMOVE (E) CONCRETE SLAB (SHOWN SHADED) & PREP FOR (N) CONCRETE SLAB. COORDINATE w/ PLUMBING DWGS. NOTE, (E) SLAB HAS ABANDONED HEATING COILS APPROX. 2.75" INTO SLAB. SAWCUT AS REQUIRED. NOTE, SHADING IS REPRESENTATIVE APPROXIMATE AREA OF DEMO. CONTRACTOR SHALL FIELD VERIFY (E) CONDITION AND COORDINATE WITH OTHER DISCIPLINES FOR EXTENT OF ACTUAL DEMO.
- D16 REMOVE (E) DOOR & FRAME IN ITS ENTIRETY. PREP FOR (N) DOOR & FRAME IN (E) OPENING
- D17 REMOVE (E) STUD WALL FRAMING & CONCRETE CURB. PREP FOR (N) FRAMED OPENING
- D18 ABANDON (E) MOP PIT. COORDINATE w/ PLUMBING DRAWINGS. PREP (E) MOP PIT FOR CONCRETE INFILL.
- D19 REMOVE (E) TOILET FIXTURE IN ITS ENTIRETY. PREP FOR (N) MOP SINK. COORDINATE w/ PLUMBING DRAWINGS
- D20 REMOVE (E) GRAB BARS & WALL MOUNTED TOILET ACCESSORIES
- D21 (E) LAVATORY TO REMAIN, PROTECT.
- D22 REMOVE (E) F.R.P. WALL FINISH
- D23 PREP (E) GYPSUM WALL FINISH FOR PAINT.
- D24 REMOVE (E) SHEET VINYL FLOORING & WALL BASE, PREP FOR (N) FLOORING
- D25 (E) PLUMBING CHASE DOOR TO REMAIN, PROTECT. PREP FOR PAINT.
- D26 REMOVE (E) CERAMIC TILE WALL, PREP FOR CEMENT PLASTER FINISH PER INTERIOR ELEVATIONS
- D27 DISCONNECT & RELOCATE ANY (E) WALL MOUNTED EQUIPMENT, PANELS OR ELECTRICAL DEVICES FROM WALL TO BE DEMOLISHED TO ADJACENT WALLS AS REQUIRED FOR COMPETE FUNCTIONAL OPERATION

BUILDING A1
1 ENLARGED DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"



BUILDING SITE KEY

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
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REVISIONS

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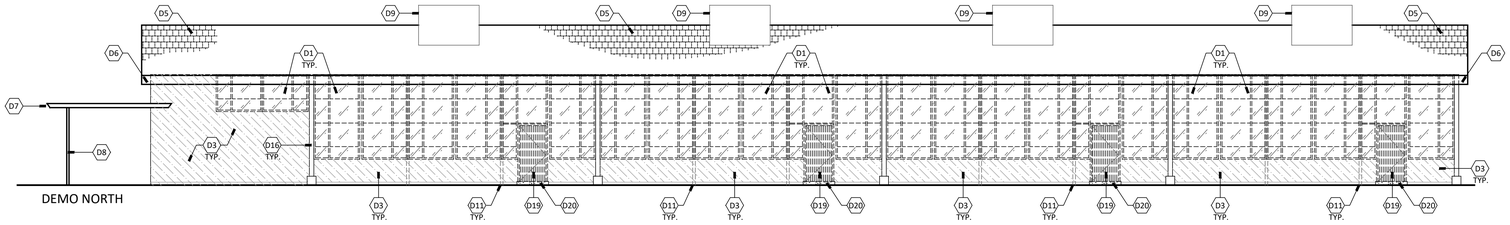
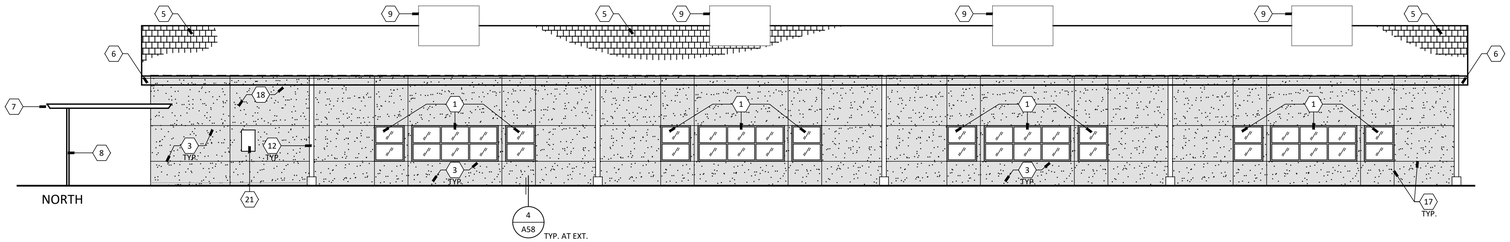
(559) 627.1926 Fax

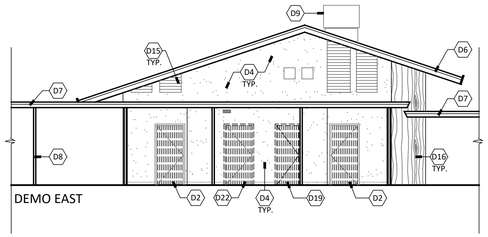
TITLE
BUILDING A1
ENLARGED DEMO
FLOOR PLAN,
ENLARGED FLOOR PLAN

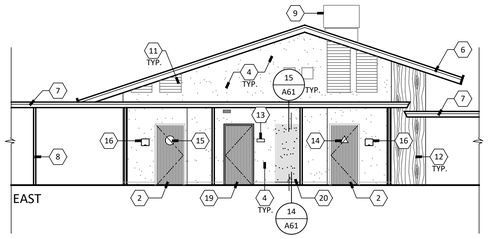
A11

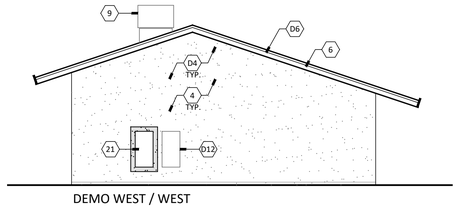
PROJECT 24043

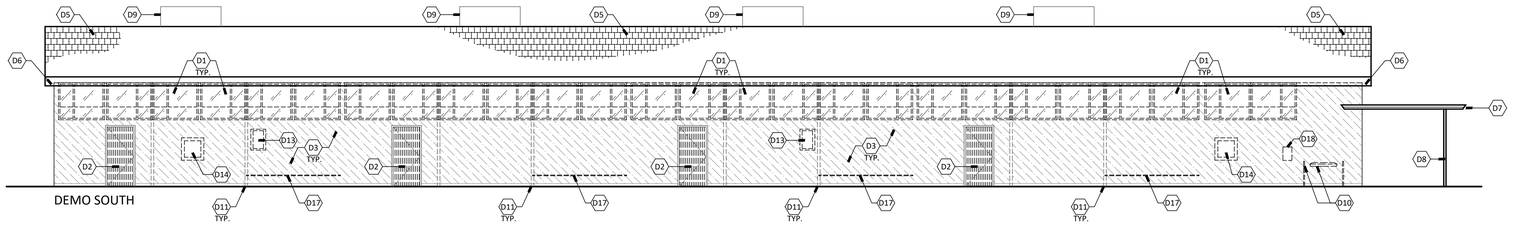


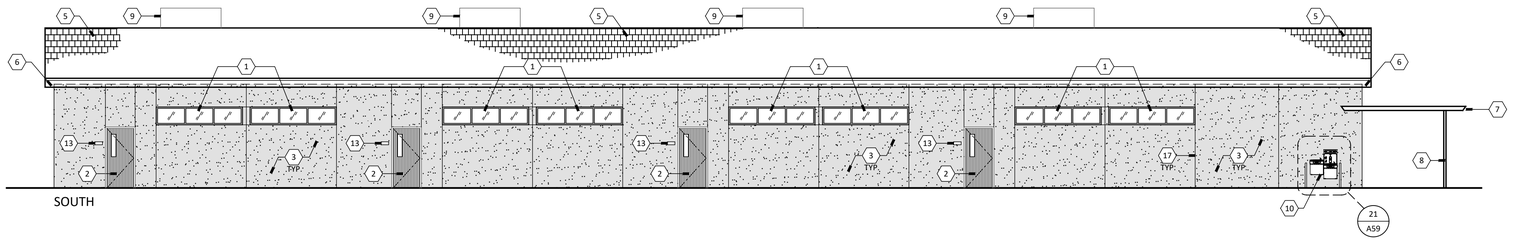












BUILDING A1
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

DEMO. EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

D1 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM OR STUD WALL INFILL WHERE OCCURS PER FLOOR PLAN & FRAME TYPE SCHEDULE

D2 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE

D3 REMOVE (E) CEMENT PLASTER & DIAGONAL SHEATHING, THIS WALL (SHOWN DASHED), PREP FOR (N) DIRECT APPLIED EXTERIOR FINISH (DEFS) PLASTER SYSTEM

D4 (E) PLASTER, PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT

D5 REMOVE (E) COMP. SHINGLE ROOF, PREP FOR (N) COMP. SHINGLE PER ROOF PLAN

D6 (E) FASCIA TO REMAIN, PROTECT. PREP FOR PAINT

D7 (E) FASCIA & METAL DRIP EDGE AT CORRIDOR TO REMAIN, PROTECT. PREP FOR PAINT

D8 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT

D9 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

D10 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. PREP FOR (N) DRINKING FOUNTAIN & GUARD RAILS. COORDINATE w/ PLUMBING DWGS

D11 (E) STEEL COLUMNS INSIDE WALL TO REMAIN, PROTECT

D12 (E) ELECTRIC PANEL TO REMAIN, PROTECT. COORDINATE w/ ELECTRICAL DWGS

D13 (E) ELECTRICAL PANEL TO BE REMOVED, COORDINATE w/ ELECTRICAL DWGS. PREP FOR STUD WALL INFILL AT REMOVED ELECTRICAL PANEL

D14 REMOVE (E) FIRE HOSE CABINET IN ITS ENTIRETY, CAP (E) WATER LINE IN WALL. COORDINATE w/ PLUMBING DWGS. PREP FOR STUD WALL INFILL AT REMOVED FIRE HOSE CABINET

D15 (E) LOUVERS TO REMAIN, PROTECT. PREP FOR PAINT

D16 (E) WOOD FINISH TO REMAIN, PREP FOR PAINT

D17 REMOVE (E) WOOD BENCH. PATCHBACK WALL FINISHES TO FLUSH & MATCH (E) AT REMOVED BENCH

D18 REMOVE (E) WATER BOTTLE FILL STATION, SALVAGE TO OWNER. COORDINATE w/ PLUMBING DWGS. PATCHBACK WALL FINISHES TO FLUSH & MATCH (E)

D19 REMOVE (E) DOOR & FRAME ASSEMBLY IN ITS ENTIRELY, PREP FOR (N) WALL INFILL PER FLOOR PLAN

D20 REMOVE (E) CONCRETE STOOP

D21 (E) DOOR & FRAME TO REMAIN, PREP FOR PAINT

D22 REMOVE (E) DOOR & FRAME , PREP FOR (N) HOLLOW METAL DOOR IN (N) FRAME PER FLOOR PLAN & DOOR SCHEDULE

EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

1 ALUMINUM WINDOW FRAME WITH GLAZING IN (E) OPNG. PER FLOOR PLAN & FRAME SCHEDULE

2 HOLLOW METAL DOOR IN (E) FRAME, SEE DOOR SCHEDULE

3 IN-FILL WALL OPENING w/ STUDS & DIRECT APPLIED EXTERIOR FINISH (DEFS) PLASTER SYSTEM TO FLUSH & MATCH (E), SHOWN SHADED. PAINT WALL b

4 (E) CEMENT PLASTER WITH NEW SKIM COAT FINISH, PAINT b

5 CLASS 'A' COMP. SHINGLE ROOF, SEE ROOF PLAN d

6 (E) FASCIA TO REMAIN, PAINT c

7 (E) FASCIA & METAL DRIP EDGE AT CORRIDOR, PAINT. FULL EXTENT OF CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF CORRIDOR FASCIA c

8 (E) PIPE COLUMN TO REMAIN, PROTECT. PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDINGS. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) PIPE COLUMNS c

9 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

10 DRINKING FOUNTAIN w/ GUARD RAILS, COORDINATE w/ PLUMBING DWGS

11 (E) LOUVERS TO REMAIN, PAINT b

12 (E) WOOD FINISH TO REMAIN, PAINT b

13 TYPE 'B2' ROOM SIGN. SEE DOOR SCHEDULE

14 TYPE 'A1' SIGN, SEE DOOR SCHEDULE

15 TYPE 'A2' SIGN, SEE DOOR SCHEDULE

16 TYPE 'A4' SIGN, SEE DOOR SCHEDULE

17 PLASTER CONTROL SCREED, SEE 3 / A60

18 IN-FILL WALL OPENING AT REMOVED WINDOW SYSTEM w/ CEMENT PLASTER FINISH TO FLUSH & MATCH (E), THIS LOCATION ONLY. PAINT WALL b

19 HOLLOW METAL DOOR & FRAME PER DOOR SCHEDULE

20 CEMENT PLASTER SYSTEM o/ PLYWOOD SHEATHING, SHOWN SHADED. INFILL OPENING w/ STUDS TO FLUSH AND MATCH (E) AT REMOVED DOOR. ADD (N) CONCRETE CURB TO MATCH (E).

21 ELECTRICAL PANEL, COORDINATE WITH ELECTRICAL DWGS. PATCH & REPAIR WALL FINISH AS REQUIRED TO FLUSH & MATCH (E)

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
C-27128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
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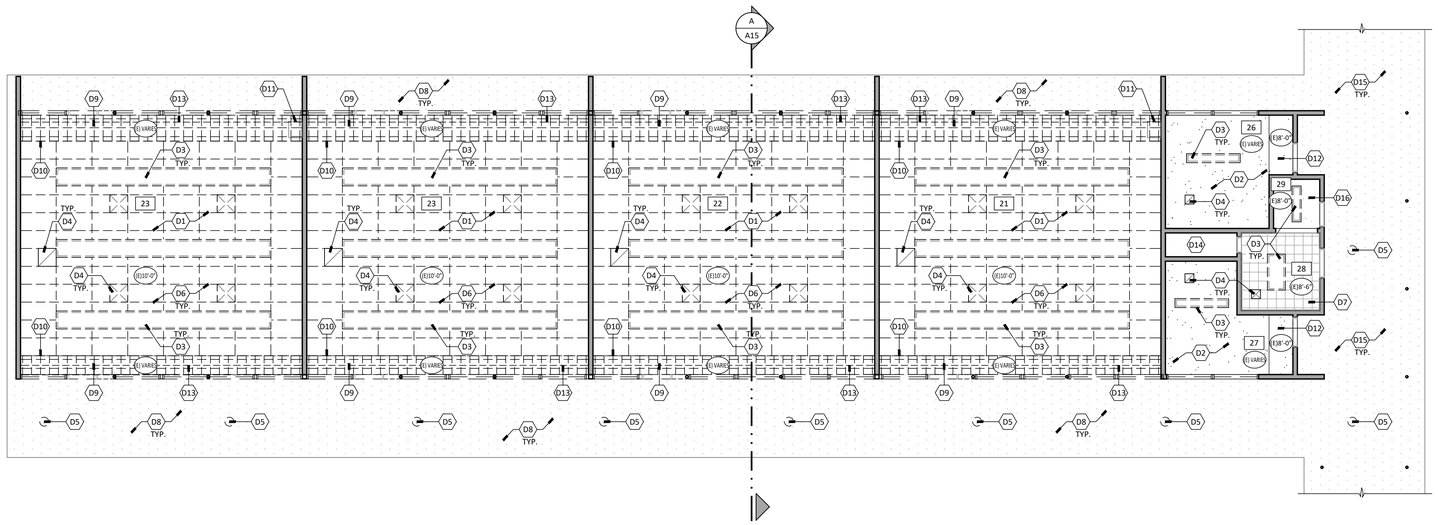
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING A1
EXTERIOR
ELEVATIONS

A12

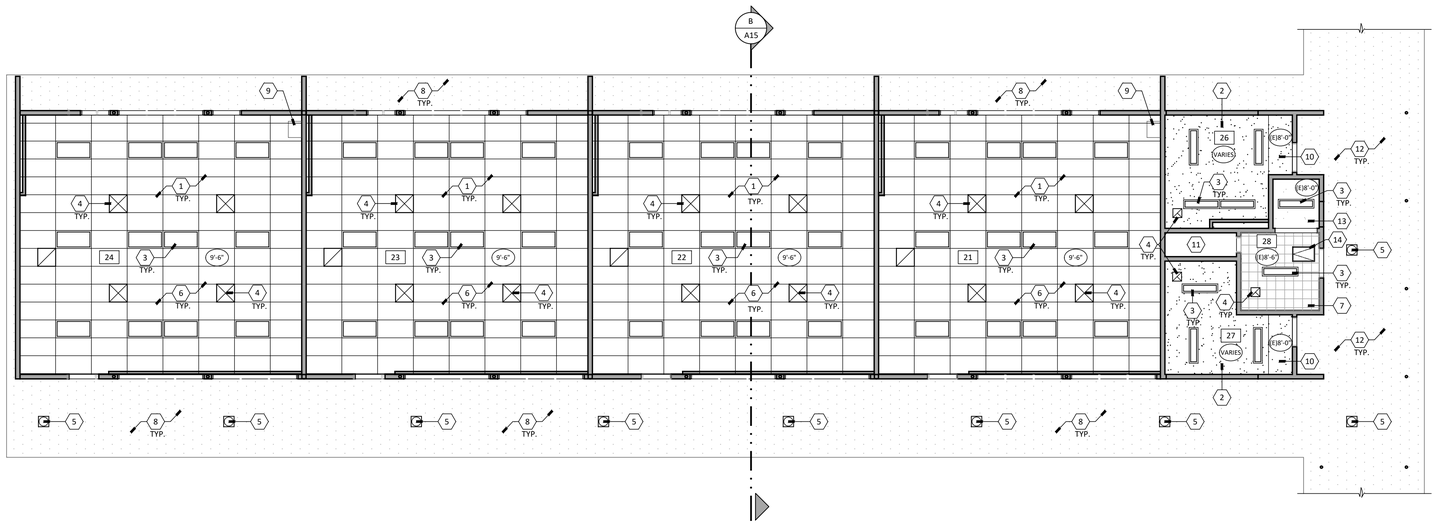
PROJECT 24043

F:\01 projects\24043\Drawings\01 architectural\03 sheets\24043_A12 - Bldg. A1 Exterior Elevations.dwg Oct 28 2025 3:19pm



BUILDING A1 - DEMOLITION REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"



BUILDING A1 - REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION REFLECTED CEILING PLAN KEYNOTES, THIS SHEET ONLY:

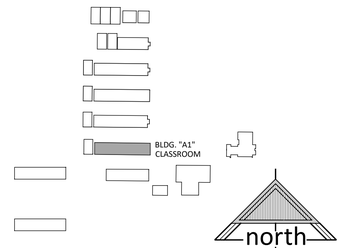
- D1 REMOVE (E) T-BAR CEILING GRID & PANEL SYSTEM. PREP FOR (N) SUSPENDED SYSTEM PER REFLECTED CEILING PLAN
- D2 REMOVE (E) CEMENT PLASTER CEILING & PREP FOR (N) CEILING LAYOUT PER REFLECTED CEILING PLAN
- D3 REMOVE (E) LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS.
- D4 REMOVE (E) MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS
- D5 REMOVE (E) EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS
- D6 REMOVE (E) BATT. INSULATION AT CEILING LINE
- D7 (E) CEILING TO REMAIN, PROTECT
- D8 (E) CEMENT PLASTER AT OVERHANG TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT
- D9 REMOVE (E) 12" x 12" GLUE-UP CEILING TILES, BACKING, & CEILING FRAMING
- D10 REMOVE (E) VERTICAL ANGLED LAY-IN CEILING SYSTEM, TYP.
- D11 (E) IDF, COORDINATE w/ ELECTRICAL DWGS
- D12 (E) CEMENT PLASTER SOFFIT CEILING AT ENTRY TO REMAIN, PROTECT. PREP FOR PAINT
- D13 REMOVE (E) CURTAIN/SHADE SYSTEM IN ITS ENTIRETY, TYP.
- D14 (E) PLUMBING CHASE, SEE PLUMBING DRAWINGS
- D15 (E) CEMENT PLASTER AT CORRIDOR TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT.
- D16 (E) CEILING TO BE CLEANED, SURFACE TEXTURED AND PREPARED FOR PAINT

REFLECTED CEILING PLAN LEGEND:

- (E) CEMENT PLASTER SOFFIT/OVERHANG SYSTEM
- (E) GYP. BD. CEILING
- 2' x 4' SUSPENDED CEILING GRID SYSTEM
- GYP. BD. CEILING TEXTURED & PAINTED
- (E) 12" x 12" GLUE UP CEILING TILES
- "X'-X"" ELEVATION ABOVE FINISH FLOOR LEVEL

REFLECTED CEILING PLAN KEYNOTES THIS SHEET ONLY:

1. SUSPENDED CEILING SYSTEM GRID & PANELS, FOR ADDITIONAL INFORMATION, SEE SECTIONS & DETAIL 1/A62 1/A63
2. 5/8" TYPE 'X' GYP. BD. CEILING o/ (E) FRAMING
3. LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS
4. MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS
5. EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS. PATCH & REPAIR CEMENT PLASTER AS REQUIRE FOR INSTALL OF (N) RECESSED FIXTURE
6. R-30 BATT INSULATION AT ROOFLINE, SEE SECTIONS
7. (E) CEILING TO REMAIN, PROTECT. NO WORK IN THIS AREA, U.O.N. REPAIR IF DAMAGED DURING CONSTRUCTION
8. (E) CEMENT PLASTER AT OVERHANG WITH NEW SKIM COAT FINISH, PAINT b
9. IDF, COORDINATE w/ ELECTRICAL DWGS
10. PAINT CEMENT PLASTER SOFFIT CEILING AT ENTRY b
11. (E) PLUMBING CHASE, SEE PLUMBING DRAWINGS
12. (E) CEMENT PLASTER AT CORRIDOR WITH NEW SKIM COAT FINISH, PAINT b FULL EXTENT OF (E) CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) CORRIDOR.
13. SURFACE TEXTURE AND PAINT (E) CEILING
14. 24" x 36" ATTIC ACCESS, SEE DETAIL 21/A60



BUILDING SITE KEY

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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REN. 05-31-27
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HANFORD ELEMENTARY SCHOOL DISTRICT
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TITLE
BUILDING A1 DEMO REFLECTED CEILING PLAN, REFLECTED CEILING PLAN

A13

PROJECT 24043

F:\01 projects\24043\Drawings\01 architectural\03 sheets\24043_A13 - Bldg. A1 Reflected Ceiling Plan.dwg Oct 28 2025 3:19pm

APPROVALS

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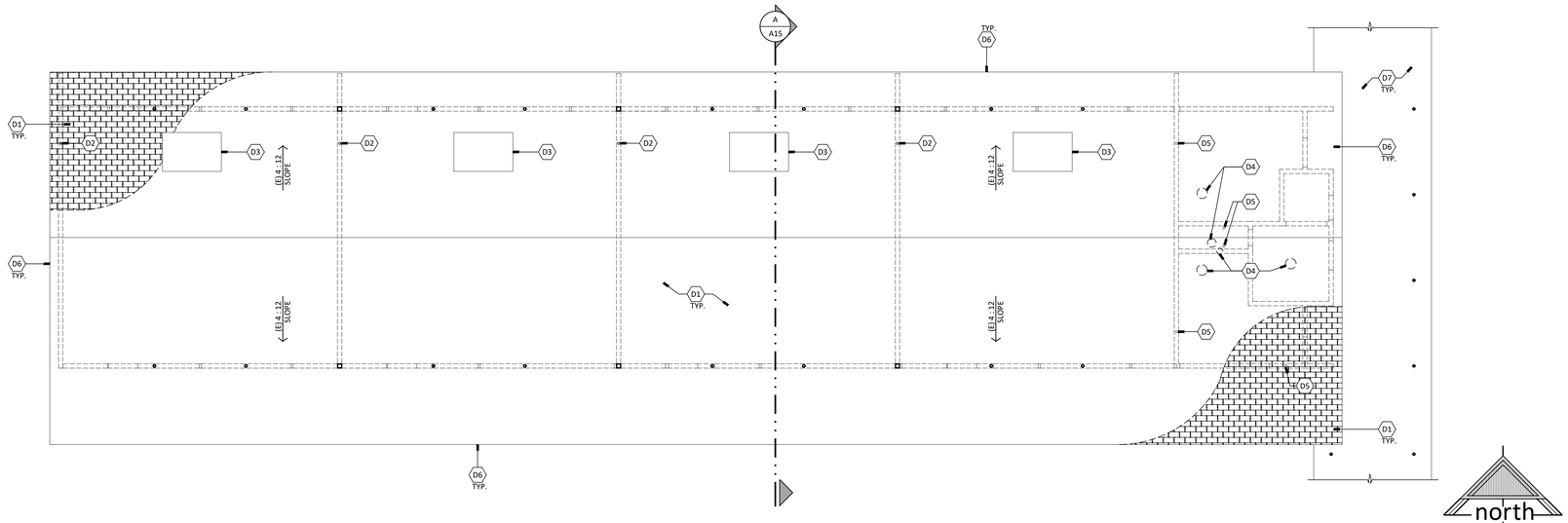
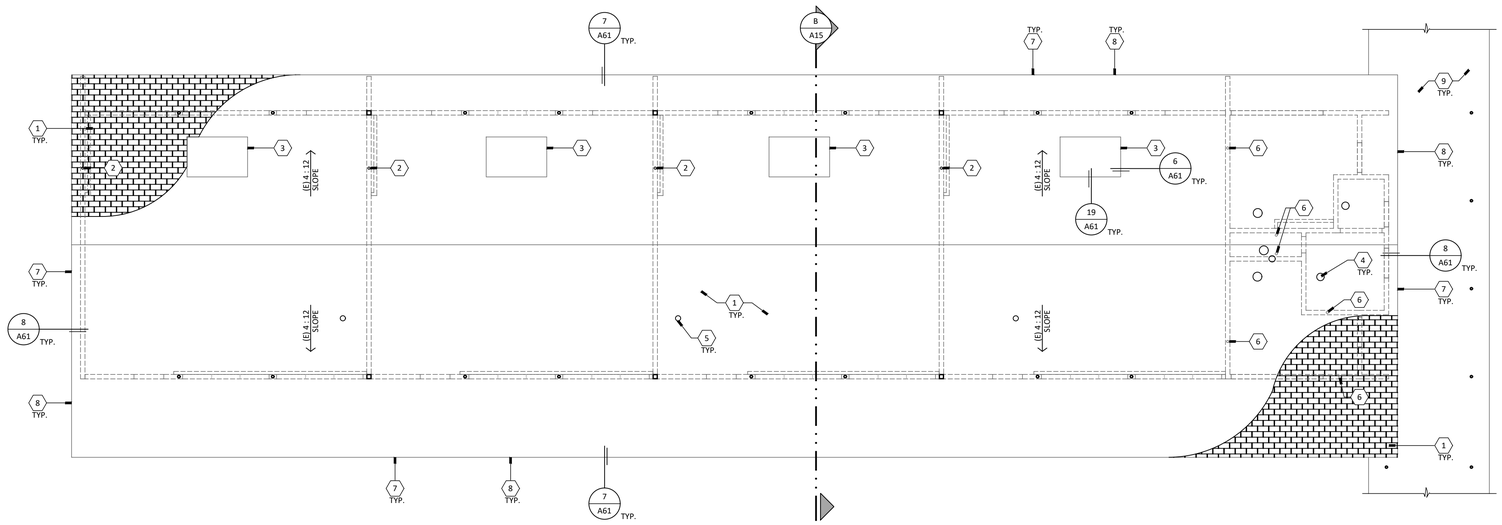


BUILDING A1 - DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION ROOF PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) COMP. SHINGLE ROOFING TO EXPOSE (E) DIAGONAL SHEATHING. PREP FOR (N) COMP. SHINGLE ROOFING o/ (E) DIAGONAL SHEATHING PER ROOF PLAN
- D2 REMOVE (E) PIPE VENTS AND PREPARE FOR (N) PIPE VENTS, COORDINATE w/ PLUMBING DWGS
- D3 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS
- D4 REMOVE (E) ROOF EXHAUST FANS AND PREPARE FOR (N) ROOF EXHAUST FANS, COORDINATE w/ MECHANICAL DWGS
- D5 (E) PIPE VENT TO REMAIN, PROTECT. COORDINATE w/ PLUMBING DWGS
- D6 REMOVE (E) METAL FLASHING, PREP FOR (N)
- D7 (E) ROOFING AT CORRIDOR TO REMAIN, PROTECT

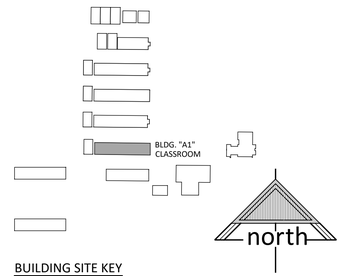


BUILDING A1 - ROOF PLAN

SCALE: 1/8" = 1'-0"

ROOF PLAN KEYNOTES THIS SHEET ONLY:

- 1 CLASS 'A' ASPHALT SHINGLE ROOFING SYSTEM o/ (E) DIAGONAL SHEATHING (d)
- 2 PIPE VENT, COORDINATE w/ PLUMBING DWGS
- 3 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS
- 4 ROOF EXHAUST FANS, COORDINATE w/ MECHANICAL DWGS
- 5 HOSE BIBB, COORDINATE w/ PLUMBING DWGS
- 6 (E) PIPE VENT TO REMAIN, PROTECT. COORDINATE w/ PLUMBING DWGS
- 7 3-1/2" DEEP PRE-FINISHED FLASHING (g)
- 8 (E) FASCIA BOARD, PAINT (c)
- 9 (E) CORRIDOR ROOFING TO REMAIN, PROTECT



BUILDING SITE KEY

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

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TITLE
BUILDING A1
DEMO ROOF
PLAN,
ROOF PLAN

A14

PROJECT 24043

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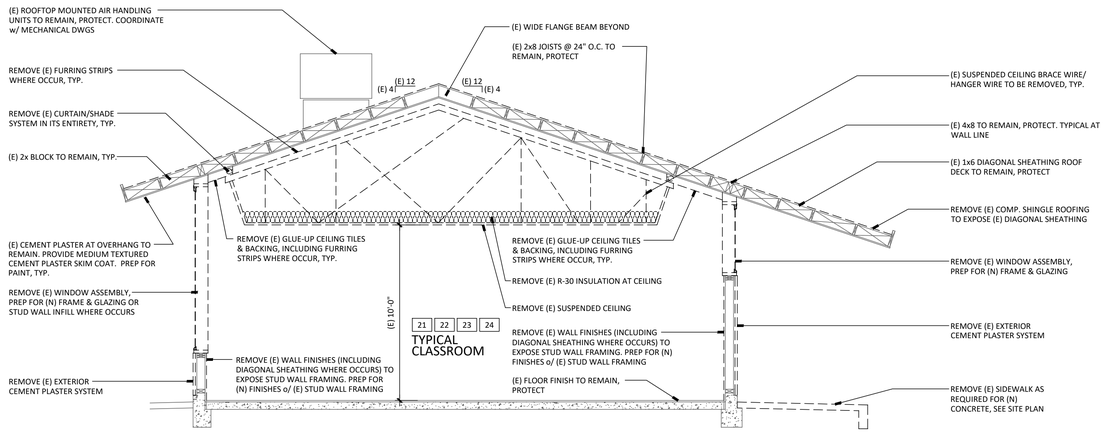
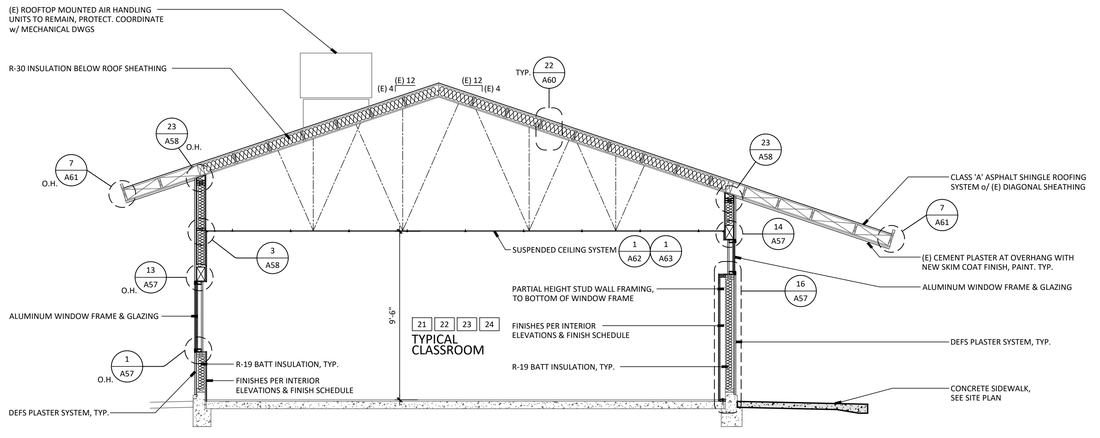


BUILDING A1

A DEMOLITION BUILDING SECTION

SCALE: 1/4" = 1'-0"



BUILDING A1

B BUILDING SECTION

SCALE: 1/4" = 1'-0"

APPROVALS

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HANFORD ELEMENTARY SCHOOL DISTRICT
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(559) 627-1926 Fax

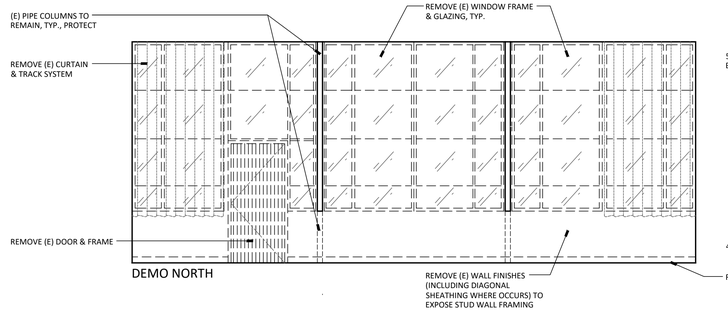
TITLE
BUILDING A1
SECTIONS

A15

PROJECT 24043

TYPICAL NOTES :

1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
6. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
10. = A.D.A. ACCESSIBLE, SEE CABINET DETAIL 13/A59
11. FOR SIGN TEXT REFER TO DOOR SCHEDULE. FOR TYPES AND LOCATION SEE DETAIL 21/A55
12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
13. FOR TV & SMART BOARD MONITOR BRACKET BLOCKING & ATTACHMENT SEE DETAIL 11/A59
14. FOR TYPICAL FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTING, SEE DETAILS 15/A59
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54



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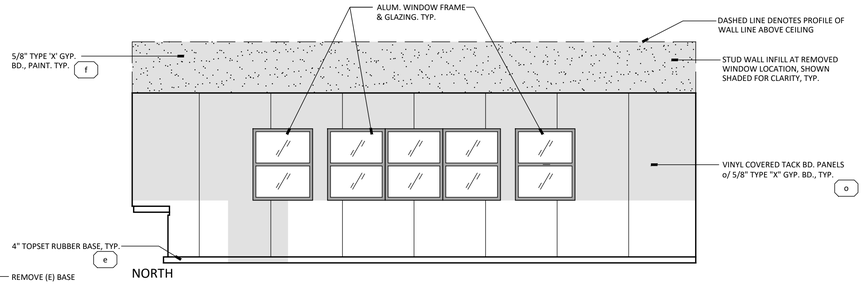

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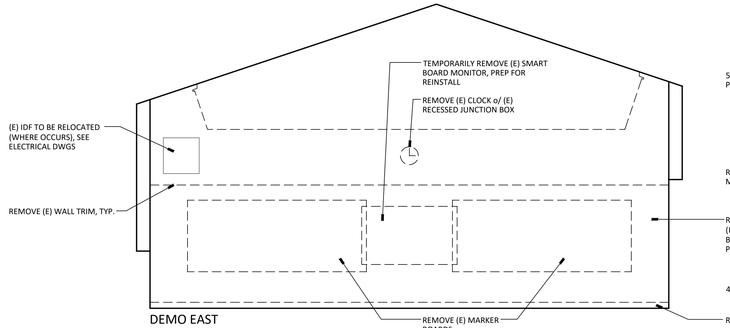

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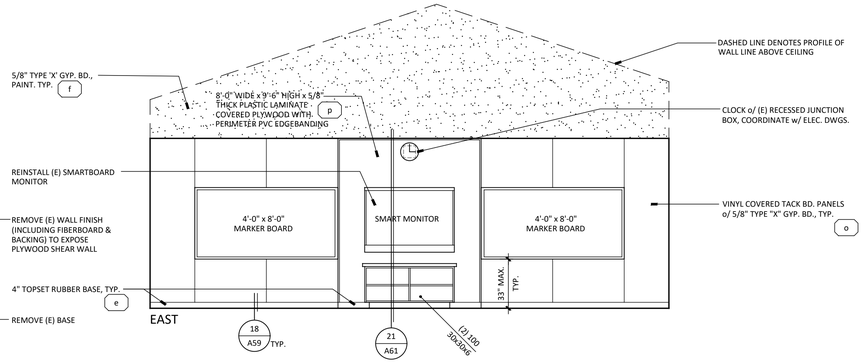
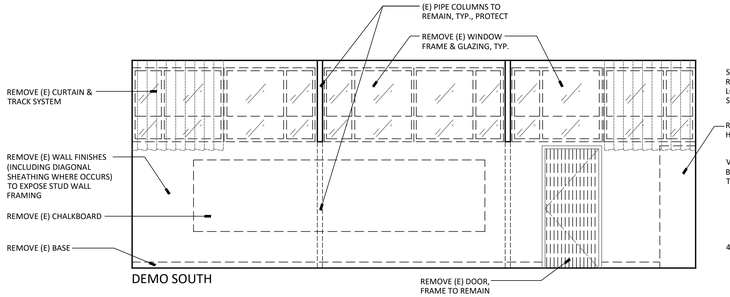
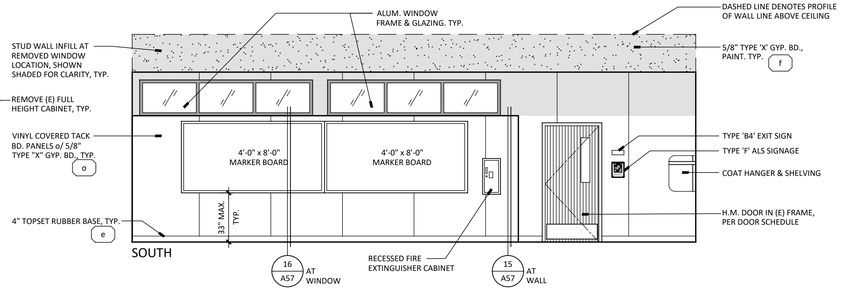


EAST



DEMO SOUTH



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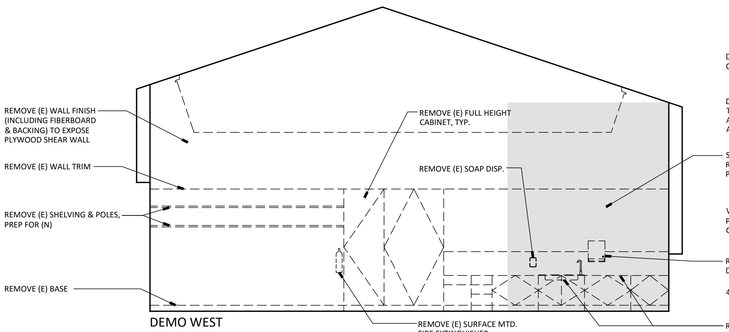
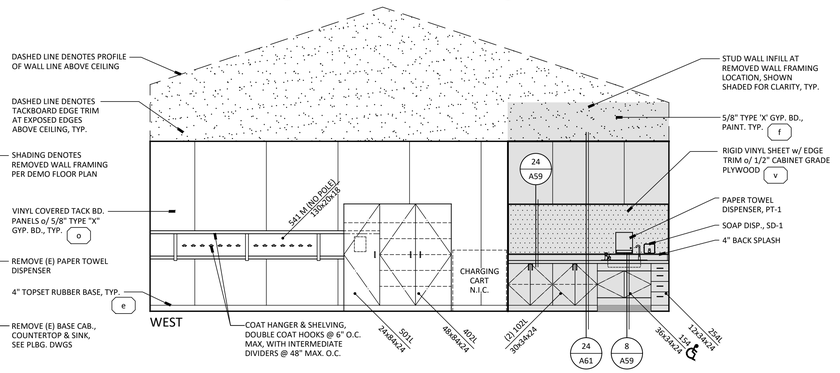


DEMO WEST



WEST

BUILDING A1
INTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"

21 22 23 24 CLASSROOM

APPROVALS
FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
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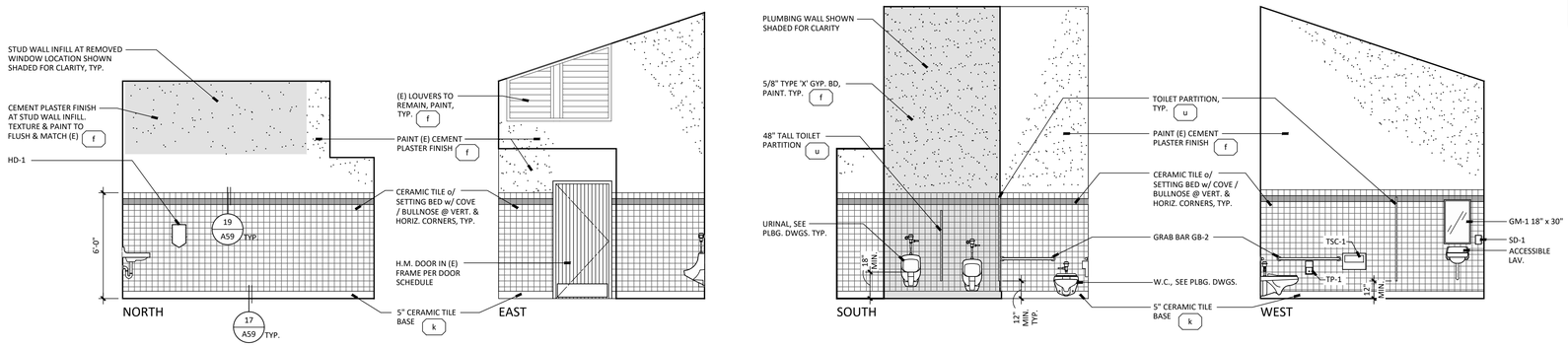
TITLE
BUILDING A1
INTERIOR
ELEVATIONS

A16

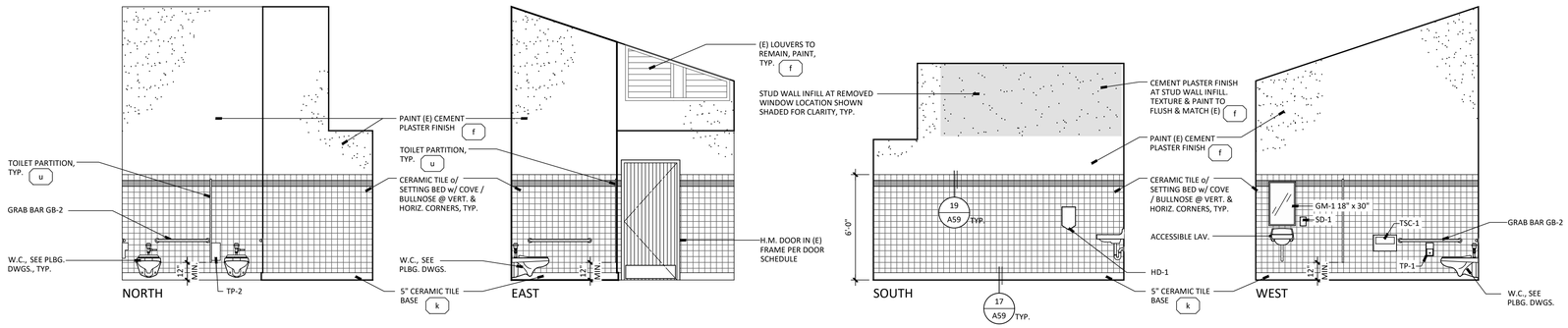
PROJECT 24043

TYPICAL NOTES :

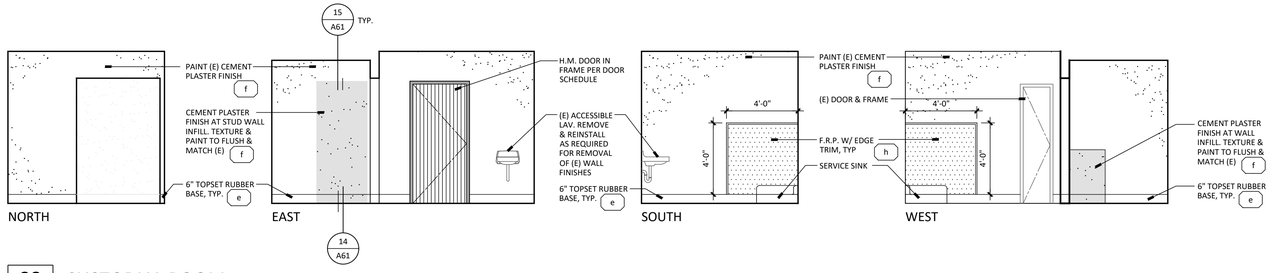
1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
6. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
10. = A.D.A. ACCESSIBLE, SEE CABINET DETAIL 13/A59
11. FOR SIGN TEXT REFER TO DOOR SCHEDULE. FOR TYPES AND LOCATION SEE DETAIL 21/A55
12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
13. FOR TV & SMART BOARD MONITOR BRACKET BLOCKING & ATTACHMENT SEE DETAIL 11/A59
14. FOR TYPICAL FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTING, SEE DETAILS 15/A59
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54



26 **BOYS** REFER TO 16/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - AGE GROUP 9-12



27 **GIRLS** REFER TO 16/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - AGE GROUP 9-12



28 **CUSTODIAL ROOM**

BUILDING A1
INTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"

APPROVALS
FILE # 16-14 APPLICATION # 02-123247

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No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA
DATE: APRIL 16, 2025

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HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

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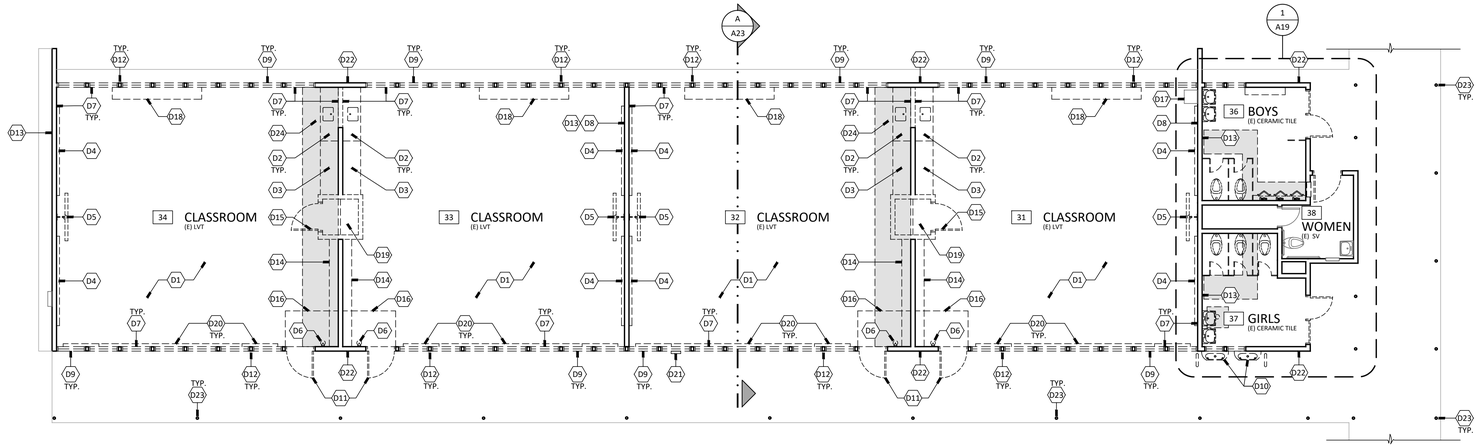
TITLE
BUILDING A1
INTERIOR
ELEVATIONS

A17

PROJECT 24043



GENERAL DEMOLITION FLOOR PLAN NOTES:

1. VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK
2. PROTECT AREAS NOT IN SCOPE OF WORK
3. SEE STRUCTURAL, PLUMBING, MECHANICAL, & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
4. ALL FIRE ALARM, DATA, & MISCELLANEOUS ABANDONED EQUIPMENT & ABANDONED CONDUIT IS TO BE REMOVED, INCLUDING THOSE THAT ARE NOT CLEARLY VISIBLE

DEMO. FLOOR PLAN LEGEND:

- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED
- (E) 2x STUD WALL TO REMAIN
- (E) 2x STUD WALL TO BE REMOVED

BUILDING B - DEMOLITION FLOOR PLAN

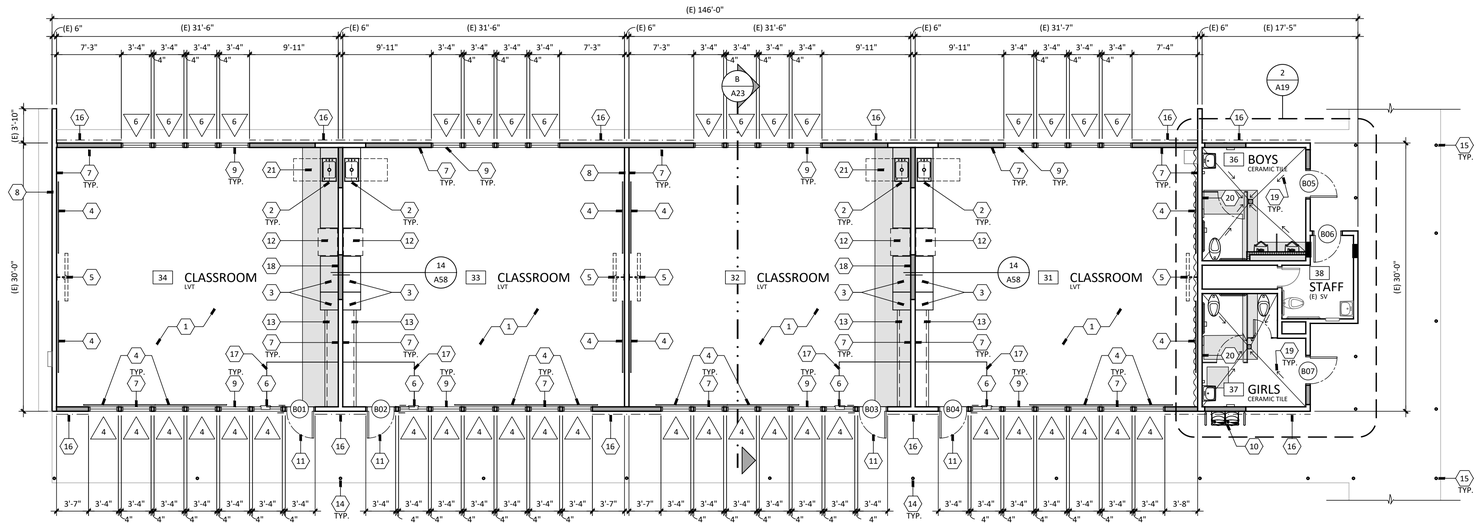
SCALE: 1/8" = 1'-0"

DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) FLOOR FINISH & BASE, PREP FOR (N) FLOOR FINISH & BASE PER FLOOR PLAN
- D2 REMOVE (E) BASE CABINET, COUNTERTOP & SINK (WHERE OCCURS), SEE PLUMBING DWGS
- D3 REMOVE (E) FULL HEIGHT TYPE CABINET IN ITS ENTIRETY
- D4 REMOVE (E) MARKER BOARD, PREP FOR (N) MARKER BOARD PER FLOOR PLAN
- D5 TEMPORARILY REMOVE (E) SMARTBOARD MONITOR & PREP FOR REINSTALL PER FLOOR PLAN & INTERIOR ELEVATIONS
- D6 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER, SEE FLOOR PLAN FOR (N) RECESSED FIRE EXTINGUISHER & CABINET
- D7 REMOVE (E) WALL FINISHES (INCLUDING FIBERBOARD & PLYWOOD BACKING WHERE OCCURS) TO EXPOSE STUD WALL FRAMING. PREP FOR (N) FINISHES o/ (E) STUD WALL FRAMING
- D8 REMOVE (E) WALL FINISHES TO EXPOSE PLYWOOD SHEAR WALL. PREP FOR (N) FINISHES o/ (E) PLYWOOD SHEAR WALL
- D9 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM PER FRAME SYSTEM PER FRAME SCHEDULE OR WALL INFILL PER FLOOR PLAN & INTERIOR ELEVATIONS. FOR WALL INFILL INFO, REFER TO STRUCTURAL DETAIL 43/S0.3
- D10 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. PREP FOR (N) DRINKING FOUNTAIN & GUARD RAILS PER FLOOR PLAN. COORDINATE w/ PLUMBING DWGS
- D11 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D12 (E) 4"x6" MULLION CONTINUOUS FROM SILL TO BEAM, PROTECT
- D13 LOCATION OF (E) SHEAR PANEL THIS SIDE OF WALL, PROTECT
- D14 REMOVE (E) SHELVING & POLES, PREP FOR NEW PER FLOOR PLAN & INTERIOR ELEVATIONS
- D15 REMOVE (E) DOOR & FRAME ASSEMBLY IN ITS ENTIRETY
- D16 REMOVE (E) WALK-OFF CARPET, PREP FOR (N)
- D17 (E) IDF, COORDINATE w/ ELECTRICAL DWGS
- D18 REMOVE (E) SHELVES IN ITS ENTIRETY
- D19 REMOVE (E) HEATER ROOM & SHELVING IN ITS ENTIRETY, PREP FOR (N) WALL INFILL PER FLOOR PLAN
- D20 REMOVE (E) FRAMED TACKBOARD/CHALKBOARD
- D21 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER CABINET
- D22 LOCATION OF (E) SHEAR PANEL, PROTECT
- D23 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT
- D24 SAWCUT & REMOVE (E) CONCRETE SLAB (SHOWN SHADED) & PREP FOR (N) CONCRETE SLAB, COORDINATE w/ PLUMBING DWGS.
  NOTE, SHADING IS REPRESENTATIVE APPROXIMATE AREA OF DEMO. CONTRACTOR SHALL FIELD VERIFY (E) CONDITION AND COORDINATE WITH OTHER DISCIPLINES FOR EXTENT OF ACTUAL DEMO.

FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

1. FLOOR & BASE, SEE FINISH SCHEDULE
2. BASE CABINET, COUNTERTOP & ACCESS. SINK WITH BUBBLER, SEE DETAIL 13/A59
3. FULL HEIGHT TYPE CABINET, SEE INTERIOR ELEVATIONS
4. MARKER BOARD, SEE INTERIOR ELEVATIONS
5. REINSTALL (E) SMARTBOARD MONITOR, SEE INTERIOR ELEVATIONS
6. RECESSED FIRE EXTINGUISHER & CABINET
7. WALL FINISHES o/ (E) STUD WALL FRAMING ((N) WALL FRAMING WHERE OCCURS), SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES
8. WALL FINISHES o/ (E) PLYWOOD SHEAR WALL, SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES. IF REQUIRED TO ACCESS WALL TO INSTALL POWER/DATA, REMOVE (E) PLYWOOD SHEATHING AND REPLACE PER DETAIL 43/S0.2
9. ALUMINUM WINDOW FRAME PER FRAME SCHEDULE
10. DRINKING FOUNTAIN & GUARD RAILS, COORDINATE w/ EXTERIOR ELEVATIONS & PLUMBING DWGS. SEE DETAIL 21/A59
11. HOLLOW METAL DOOR IN (E) HOLLOW METAL FRAME, COORDINATE w/ DOOR SCHEDULE
12. LOCATION OF PORTABLE CHARGING STATION, N.I.C.
13. SHELVING & COAT HANGER PER INTERIOR ELEVATIONS
14. (E) PIPE COLUMN TO REMAIN, PAINT PER EXTERIOR ELEVATIONS & FINISH SCHEDULE
15. PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDINGS. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) PIPE COLUMNS
16. DASH DOT DENOTES LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
17. 5'-0" x 8'-0" WALK-OFF CARPET MAT AT ENTRY, SEE FINISH SCHEDULE. FLUSH w/ FINISH FLOOR, TYP.
18. STUD WALL INFILL, SEE INTERIOR ELEVATIONS
19. SLOPE TO DRAIN, TYP.
20. LOCATION OF (E) SHEAR PANEL THIS SIDE OF WALL, PROTECT
21. 4" CONCRETE SLAB (SHOWN SHADED) TO FLUSH & MATCH (E), COORDINATE w/ PLUMBING & STRUCTURAL DWGS.

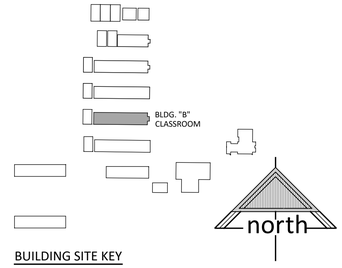


GENERAL FLOOR PLAN NOTES:

1. FINISH ALL GYPSUM BOARD EDGES PER DETAIL 14/A60
2. REFER TO INTERIOR ELEVATIONS FOR TYP. ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS
3. REFER TO INTERIOR ELEVATIONS AND DOOR SCHEDULE FOR ALL ROOM AND BUILDING SIGNAGES
4. = MATERIAL DEFINITION, SEE FINISH SCHEDULE
5. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR ALL ROOM FINISHES
6. FOR WALL PENETRATIONS OF PIPE OR CONDUIT, REFER TO DETAIL 13/A60
7. FOR (N) CONC. SLAB TO (E) OR FOR (E) CONC. SLAB INFILL, SEE STRUCTURAL
8. FOR (N) CONC. CURB TO (E), SEE STRUCTURAL
9. PATCH & REPAIR ALL WALL FINISHES, FLOORING, & BASE AS NEEDED FOR A FINISHED FINAL RESULT
10. PROVIDE THERMAL BATT INSULATION AT ALL EXTERIOR WALLS FULL HEIGHT & SOUND BATT INSULATION AT INTERIOR STUD WALLS FULL HEIGHT. SEE SPECS. FOR ADDITIONAL INFORMATION
11. FOR TYPICAL STUD WALL INFILL FRAMING, SEE STRUCTURAL
12. FOR TYPICAL NEW OPENING FRAMING, SEE STRUCTURAL

FLOOR PLAN LEGEND:

- (E) WOOD FRAMED WALL TO REMAIN, PROTECT
- 2x6 WOOD STUD @ 16" O.C.
- 2x4 WOOD STUD @ 16" O.C.
- RIGID SOUND BOARD & RESILIENT CHANNEL, SEE 4/A60
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- 48" x 30" INDICATES 30" x 48" CLEAR FL. SPACE
- # FRAME TYPE, SEE FRAME TYPE SCHEDULE
- # ROOM NUMBER, FLOOR FINISH MATERIAL



BUILDING SITE KEY

BUILDING B - FLOOR PLAN

SCALE: 1/8" = 1'-0"

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APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING B
DEMO FLOOR
PLAN,
FLOOR PLAN

A18

PROJECT 24043

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-27128
REN. 05-31-27
STATE OF CALIFORNIA

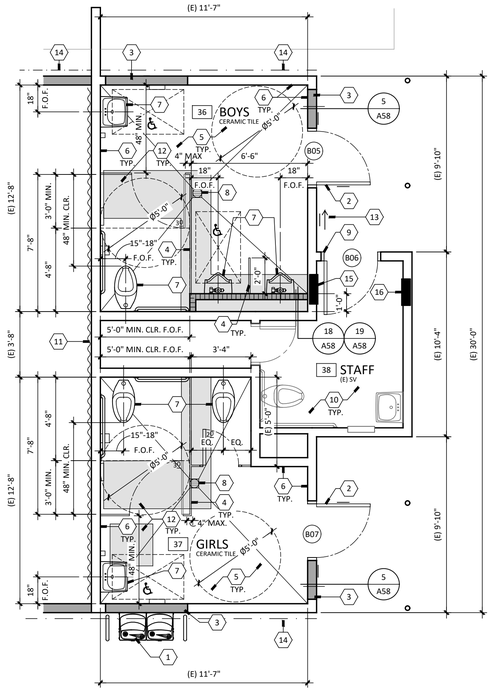
DATE: APRIL 16, 2025

ENLARGED FLOOR PLAN LEGEND

- (E) WOOD STUD WALL TO REMAIN
- 2x6 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- 2x4 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- RIGID SOUND BOARD & RESILIENT CHANNEL, SEE 4/A60
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- 48" x 30" — INDICATES 30" x 48" CLEAR W.C. SPACE
- Ø5'-0" — INDICATES 5' DIAMETER FL. ROTATION SPACE

ENLARGED FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

1. DRINKING FOUNTAIN w/ GUARD RAILS PER PLUMBING DWGS & EXTERIOR ELEVATIONS
2. HOLLOW METAL DOOR & FRAME, COORDINATE w/ DOOR SCHEDULE
3. STUD WALL INFILL AT REMOVED WINDOWS. FOR TYPICAL WALL INFILL, SEE STRUCTURAL
4. TOILET PARTITION, SEE SPECS. & INTERIOR ELEVATIONS
5. CERAMIC TILE FLOOR w/ COVED TILE BASED OVER (E) DEPRESSED SLAB. SEE FINISH SCHEDULE, SLOPE TO DRAIN
6. CERAMIC TILE WALL FINISH, SEE INTERIOR ELEVATIONS & FINISH SCHEDULE
7. PLUMBING FIXTURE PER PLUMBING DWGS., TYP.
8. FLOOR DRAIN, COORDINATE w/ PLUMBING DWGS
9. HOLLOW METAL DOOR IN (E) HOLLOW METAL FRAME, COORDINATE w/ DOOR SCHEDULE
10. (E) FLOOR, WALL, & CEILING FINISHES TO REMAIN, PROTECT. THIS ROOM ONLY, UNLESS OTHERWISE NOTED. COORDINATE w/ OTHER DISCIPLINES FOR PATCHWORK AS NEEDED TO ACCOMPLISH ELECTRICAL WORK
11. RIGID SOUND BOARD AND RESILIENT CHANNEL, FULL HEIGHT TO BOTTOM OF ROOF DECK
12. 4" CONCRETE SLAB (SHOWN SHADED) TO FLUSH & MATCH (E), COORDINATE w/ PLUMBING & STRUCTURAL DWGS
13. DIRECTIONAL ACCESSIBLE "STAFF TOILET" SIGN TYPE 'C'. SEE EXTERIOR ELEVATION & DETAIL 21/A55 SIGN TO READ "ACCESSIBLE STAFF TOILET AT WORKROOM"
14. DASH DOT DENOTES LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
15. ELECTRICAL PANEL, SEE ELECTRICAL DWGS.
16. ELECTRICAL PANEL, SEE ELECTRICAL DWGS.



2 BUILDING B - ENLARGED FLOOR PLAN

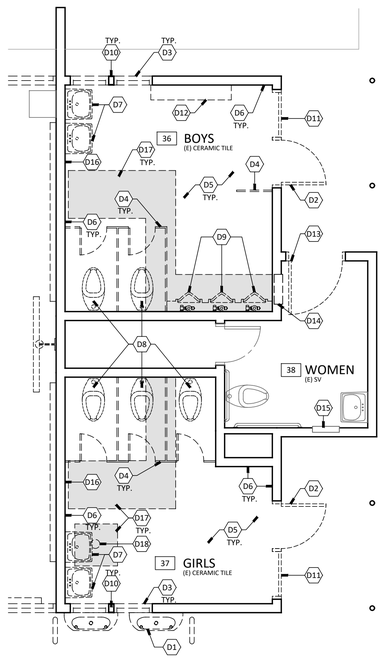
SCALE: 1/4" = 1'-0"

ENLARGED DEMOLITION PLAN LEGEND

- (E) WOOD STUD WALL TO REMAIN
- (E) WALL TO BE REMOVED
- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED

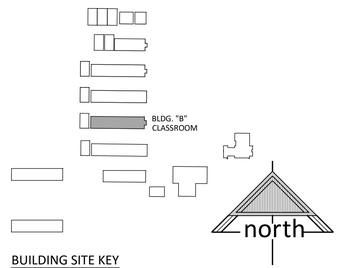
ENLARGED DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. REPLACE w/ (N) DRINKING FOUNTAIN & GUARD RAILS PER FLOOR PLAN
- D2 REMOVE (E) HOLLOW METAL DOOR & FRAME. PREP FOR (N) HOLLOW METAL DOOR & FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D3 REMOVE (E) STEEL FRAMED WINDOWS & PREP FOR WALL INFILL PER FLOOR PLAN
- D4 REMOVE (E) FLOOR MOUNTED OVERHEAD BRACED TOILET PARTITIONS INCLUDING DOOR.
- D5 REMOVE (E) CERAMIC TILE FLOOR, TERRAZZO UNDERLAY, & MORTAR BED TO EXPOSE 1-3/4" DEPRESSED CONCRETE SLAB, PREP FOR (N) FLOORING PER FLOOR PLAN
- D6 REMOVE (E) CERAMIC TILE & MORTAR BED AT WALLS, TYP. SEE INTERIOR ELEVATIONS. (E) GYP. PLASTER ABOVE TILE WAINSCOT TO REMAIN, PROTECT. AT (E) SHEAR WALL LOCATION, PROTECT (E) PLYWOOD SHEAR WALL & PREP FOR (N) FINISHES o/ (E) PLYWOOD SHEAR WALL
- D7 REMOVE (E) WALL HUNG LAVATORY. COORDINATE w/ PLUMBING DWGS
- D8 REMOVE (E) WALL MOUNTED WATER CLOSET, COORDINATE w/ PLUMBING DWGS
- D9 REMOVE (E) RECESSED FLOOR/WALL MOUNTED URINAL & PLUMBING WALL IN ITS ENTIRETY. COORDINATE w/ PLUMBING DWGS
- D10 (E) 4"x6" MULLION CONTINUOUS FROM SILL TO BEAM, TYP., PROTECT
- D11 REMOVE (E) HOLLOW METAL FRAME & PANEL. PREP FOR WALL INFILL PER FLOOR PLAN
- D12 REMOVE (E) SHELF
- D13 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D14 ELECTRICAL PANEL, SEE ELECTRICAL DWGS
- D15 SIGNALS PANEL, SEE ELECTRICAL DWGS
- D16 LOCATION OF (E) SHEAR PANEL THIS SIDE OF WALL, PROTECT
- D17 SAWCUT & REMOVE (E) CONCRETE SLAB (SHOWN SHADED) & PREP FOR (N) CONCRETE SLAB, COORDINATE w/ PLUMBING DWGS. NOTE, SHADING IS REPRESENTATIVE APPROXIMATE AREA OF DEMO. CONTRACTOR SHALL FIELD VERIFY (E) CONDITION AND COORDINATE WITH OTHER DISCIPLINES FOR EXTENT OF ACTUAL DEMO.
- D18 REMOVE (E) FLOOR DRAIN, COORDINATE (N) FLOOR DRAIN w/ PLUMBING DWGS



1 BUILDING B - ENLARGED DEMOLITION FLOOR PLAN

SCALE: 1/4" = 1'-0"



BUILDING SITE KEY

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI | ARCHITECTURE INGENUITY
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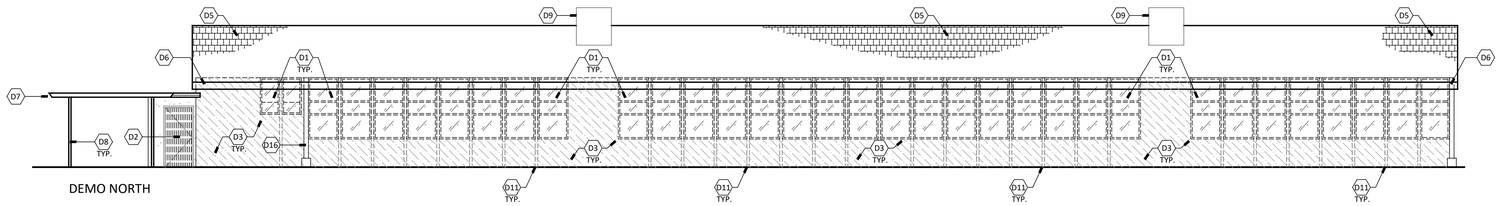
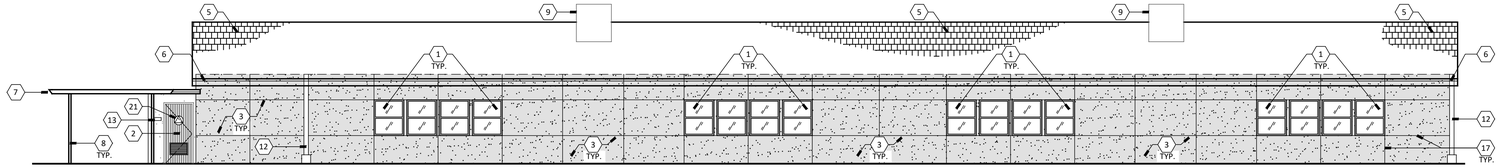
(559) 627-2630 Office
(559) 627-1926 Fax

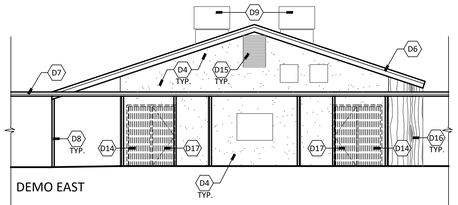
TITLE
BUILDING B
ENLARGED DEMO
FLOOR PLAN,
ENLARGED FLOOR PLAN

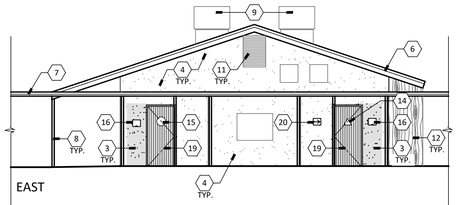
A19

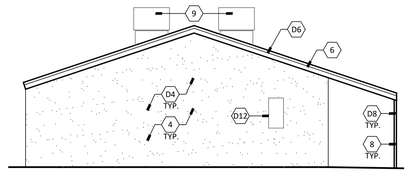
PROJECT 24043

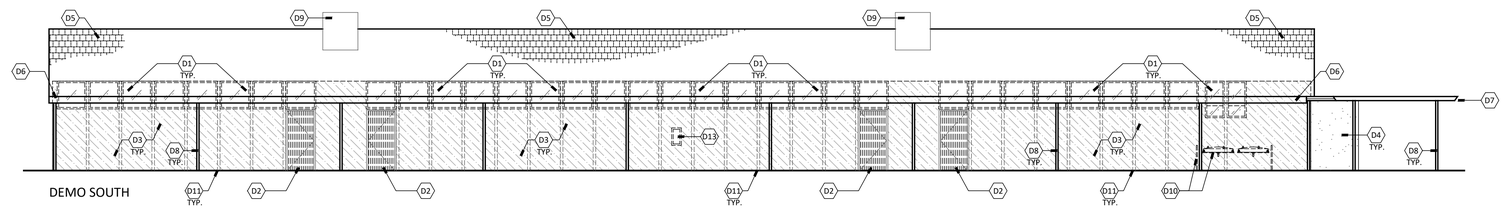


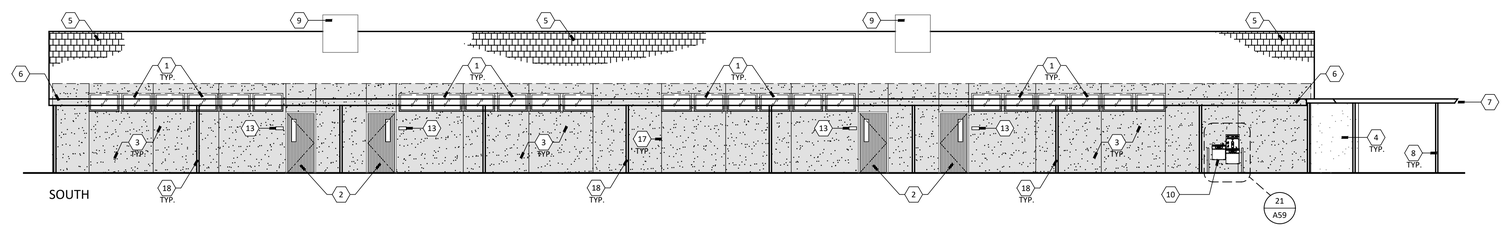












BUILDING B
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

DEMO. EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

D1 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM OR STUD WALL INFILL WHERE OCCURS PER FLOOR PLAN & FRAME TYPE SCHEDULE

D2 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE

D3 REMOVE (E) CEMENT PLASTER SYSTEM, THIS WALL (SHOWN DASHED), TO EXPOSE PLYWOOD SHEATHING. COORDINATE PLYWOOD SHEAR WALL LOCATIONS WITH STRUCTURAL DRAWINGS. PREP FOR (N) CEMENT PLASTER SYSTEM o/ (E) PLYWOOD SHEATHING. (N) SHEATHING WHERE OCCURS.

D4 (E) PLASTER, PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT

D5 REMOVE (E) COMP. SHINGLE ROOF, PREP FOR (N) COMP. SHINGLE PER ROOF PLAN

D6 (E) FASCIA TO REMAIN, PROTECT. PREP FOR PAINT

D7 (E) FASCIA & METAL DRIP EDGE AT CORRIDOR TO REMAIN, PROTECT. PREP FOR PAINT

D8 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT

D9 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

D10 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. PREP FOR (N) DRINKING FOUNTAIN & GUARD RAILS. COORDINATE w/ PLUMBING DWGS

D11 (E) 4x6 POST INSIDE WALL TO REMAIN, PROTECT

D12 (E) ELECTRIC PANEL TO REMAIN, PROTECT. COORDINATE w/ ELECTRICAL DWGS

D13 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER CABINET

D14 REMOVE (E) HOLLOW METAL FRAME & PANEL. PREP FOR WALL INFILL PER FLOOR PLAN

D15 (E) 42"x30" REMOVABLE VENTILATING LOUVER TO REMAIN, PROTECT. PREP FOR PAINT

D16 (E) WOOD FINISH TO REMAIN, PREP FOR PAINT

D17 REMOVE (E) HOLLOW METAL DOOR & FRAME. PREP FOR (N) HOLLOW METAL DOOR & FRAME PER FLOOR PLAN & DOOR SCHEDULE

EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

1 ALUMINUM WINDOW FRAME WITH GLAZING IN (E) OPNG. PER FLOOR PLAN & FRAME SCHEDULE

2 HOLLOW METAL DOOR IN (E) FRAME, SEE DOOR SCHEDULE

3 CEMENT PLASTER SYSTEM o/ (E) PLYWOOD SHEATHING, SHOWN SHADED. (N) SHEATHING WHERE OCCURS. INFILL WALL OPENING w/ STUDS TO FLUSH & MATCH (E) AT REMOVED DOOR & WINDOW LOCATIONS. PAINT WALL (b)

4 (E) CEMENT PLASTER WITH NEW SKIM COAT FINISH, PAINT (b)

5 COMP. SHINGLE ROOF, SEE ROOF PLAN (d)

6 (E) FASCIA TO REMAIN, PAINT (c)

7 (E) FASCIA & METAL DRIP EDGE AT CORRIDOR, PAINT. FULL EXTENT OF CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF CORRIDOR FASCIA (c)

8 (E) PIPE COLUMN TO REMAIN, PROTECT. PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDINGS. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) PIPE COLUMNS (c)

9 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

10 DRINKING FOUNTAIN w/ GUARD RAILS, COORDINATE w/ PLUMBING DWGS

11 (E) REMOVABLE VENTILATING LOUVER , PAINT (b)

12 (E) WOOD FINISH TO REMAIN, PAINT (b)

13 TYPE 'B2' ROOM SIGN. SEE DOOR SCHEDULE

14 TYPE 'A1' SIGN, SEE DOOR SCHEDULE

15 TYPE 'A2' SIGN, SEE DOOR SCHEDULE

16 TYPE 'A4' SIGN, SEE DOOR SCHEDULE

17 PLASTER CONTROL SCREED, SEE 21/A58

18 (E) PIPE COLUMN TO REMAIN, PROTECT. PAINT (c)

19 HOLLOW METAL DOOR & FRAME, COORDINATE w/ DOOR SCHEDULE

20 DIRECTIONAL ACCESSIBLE "STAFF TOILET" SIGN TYPE 'C', SEE DETAIL 21/A55

21 TYPE 'A3' SIGN, SEE DOOR SCHEDULE

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

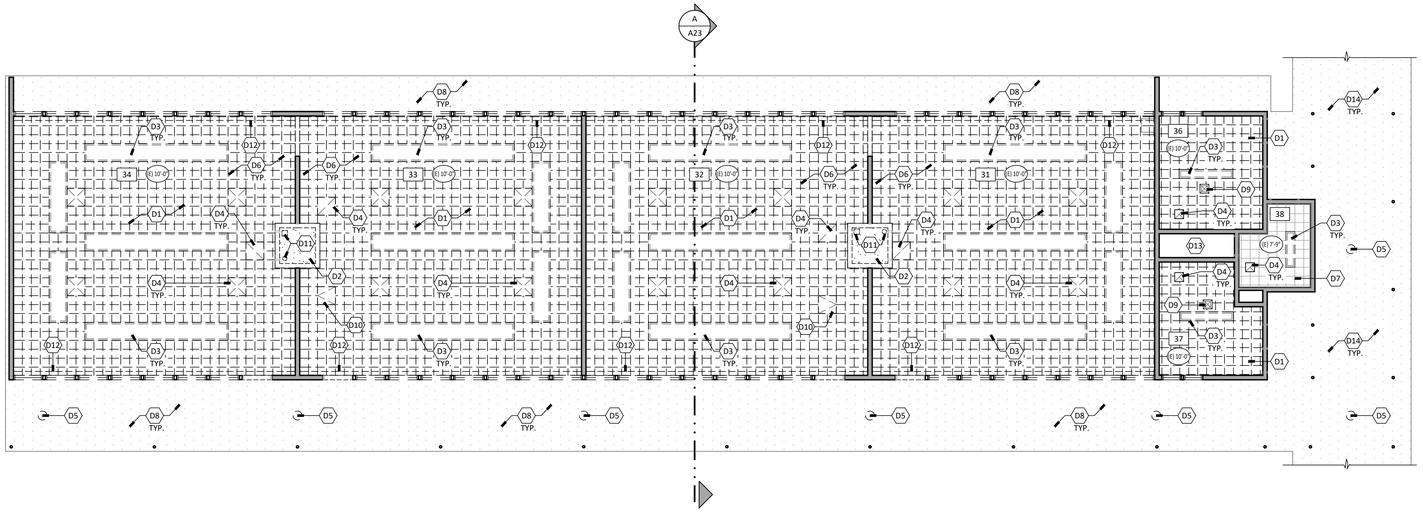
REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING B
EXTERIOR
ELEVATIONS

A20

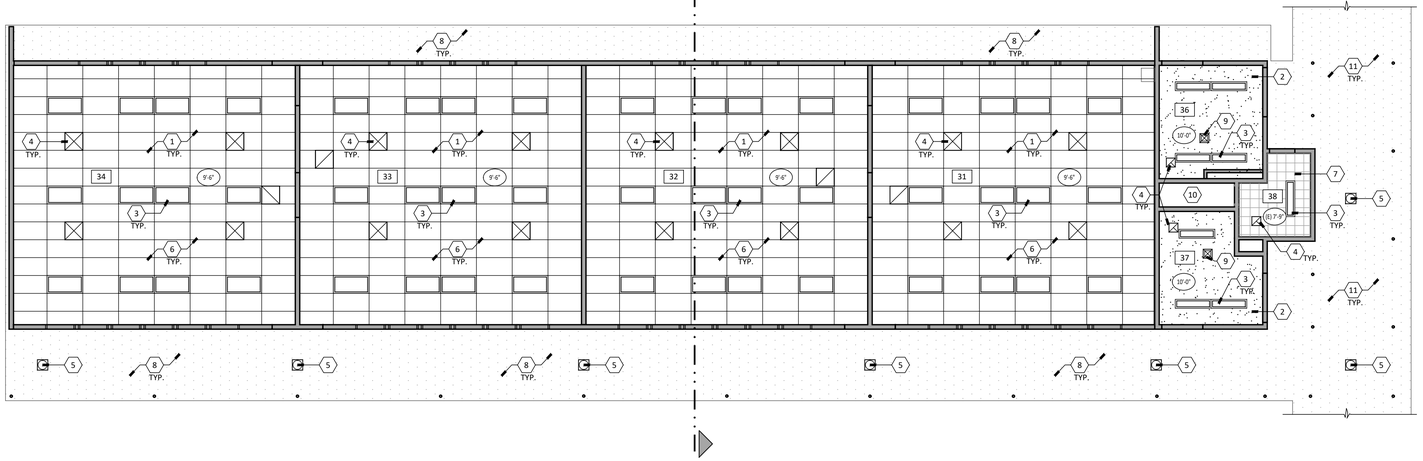
PROJECT 24043



north

BUILDING B
DEMOLITION REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"



north

BUILDING B
REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION
REFLECTED CEILING PLAN KEYNOTES, THIS SHEET ONLY:

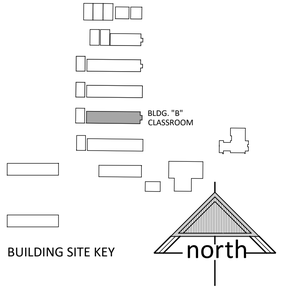
- D1 REMOVE (E) 12" x 12" GLUE-UP CEILING TILES, BACKING, & CEILING FRAMING, PREP FOR (N) SUSPENDED SYSTEM OR GYP. BD CEILING PER REFLECTED CEILING PLAN
- D2 REMOVE (E) GYP. BD. CEILING & FRAMING IN ITS ENTIRETY
- D3 REMOVE (E) LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS
- D4 REMOVE (E) MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS
- D5 REMOVE (E) EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS
- D6 REMOVE (E) BATT. INSULATION AT CEILING LINE
- D7 (E) GLUE-UP CEILING TILES TO REMAIN, PROTECT
- D8 (E) CEMENT PLASTER AT OVERHANG TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT
- D9 REMOVE (E) TRANSFER GRILLE. COORDINATE w/ MECHANICAL DWGS
- D10 REMOVE (E) ATTIC ACCESS
- D11 REMOVE (E) VENTS. COORDINATE w/ MECHANICAL DWGS
- D12 REMOVE (E) CURTAIN/SHADE SYSTEM IN ITS ENTIRETY, TYP.
- D13 (E) PLUMBING CHASE, SEE PLUMBING DWGS
- D14 (E) CEMENT PLASTER AT CORRIDOR TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT.

REFLECTED CEILING PLAN LEGEND:

- (E) CEMENT PLASTER SOFFIT/OVERHANG SYSTEM
- "4'-0" ELEVATION ABOVE FINISH FLOOR LEVEL
- 2' x 4' SUSPENDED CEILING GRID SYSTEM
- (E) 12" x 12" GLUE UP CEILING TILES
- GYP. BD. CEILING TEXTURED & PAINTED

REFLECTED CEILING PLAN KEYNOTES THIS SHEET ONLY:

1. SUSPENDED CEILING SYSTEM GRID & PANELS, FOR ADDITIONAL INFORMATION, SEE SECTIONS & DETAIL (1/A62) (1/A63)
2. 5/8" TYPE 'X' GYP. BD. CEILING o/ (E) FRAMING
3. LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS
4. MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS
5. EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS. PATCH & REPAIR CEMENT PLASTER AS REQUIRE FOR INSTALL OF (N) RECESSED FIXTURE
6. R-30 BATT INSULATION AT ROOFLINE, SEE SECTIONS
7. (E) GLUE-UP CEILING TILES TO REMAIN, PROTECT. NO WORK IN THIS AREA, U.O.N.
8. (E) CEMENT PLASTER AT OVERHANG WITH NEW SKIM COAT FINISH, PAINT (b)
9. TRANSFER GRILLE, COORDINATE w/ MECHANICAL DWGS
10. (E) PLUMBING CHASE, SEE PLUMBING DWGS
11. (E) CEMENT PLASTER AT CORRIDOR WITH NEW SKIM COAT FINISH, PAINT (b) FULL EXTENT OF (E) CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) CORRIDOR.



APPROVALS

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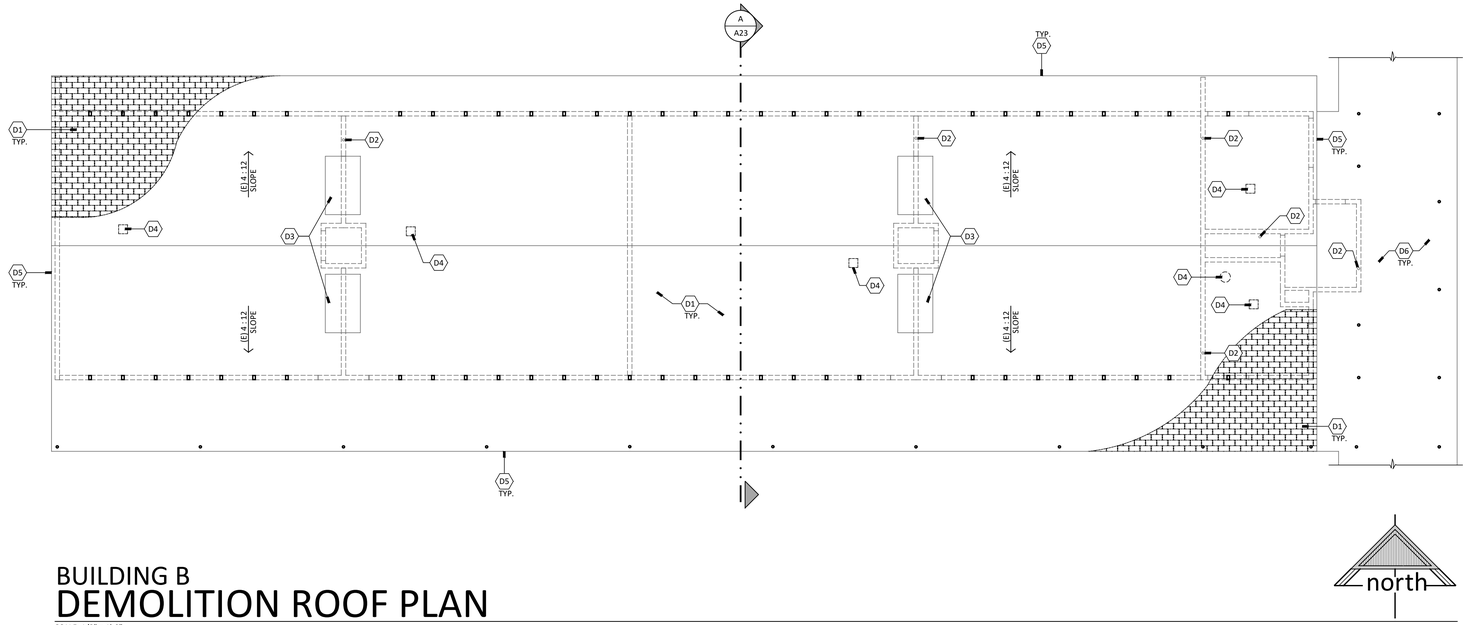
TITLE
BUILDING B DEMO REFLECTED CEILING PLAN, REFLECTED CEILING PLAN

A21

PROJECT 24043



BUILDING B
DEMOLITION ROOF PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION
ROOF PLAN KEYNOTES, THIS SHEET ONLY:

D1 REMOVE (E) COMP. SHINGLE ROOFING TO EXPOSE (E) PLYWOOD SHEATHING. PREP FOR (N) COMP. SHINGLE ROOFING o/ (E) PLYWOOD SHEATHING PER ROOF PLAN

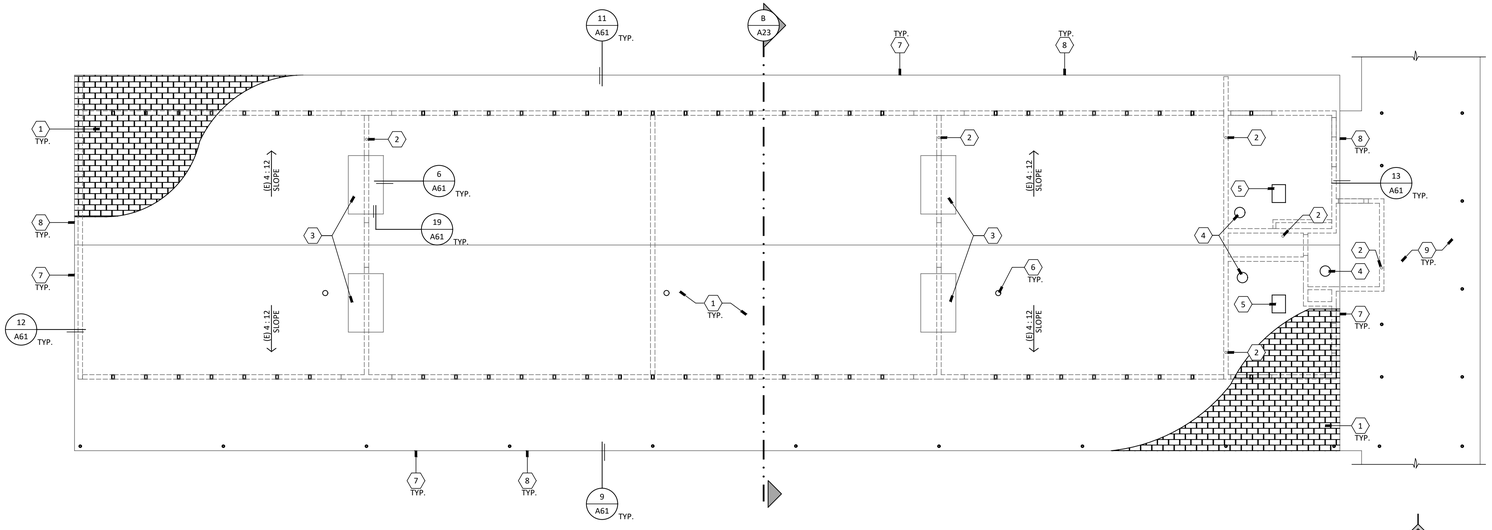
D2 (E) PIPE VENT TO REMAIN, PROTECT. COORDINATE w/ PLUMBING DWGS

D3 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

D4 REMOVE (E) ROOF EXHAUST FANS AND PREPARE FOR (N) ROOF EXHAUST FANS, COORDINATE w/ MECHANICAL DWGS

D5 REMOVE (E) METAL FLASHING, PREP FOR (N)

D6 (E) ROOFING AT CORRIDOR TO REMAIN, PROTECT



BUILDING B
ROOF PLAN
SCALE: 1/8" = 1'-0"

ROOF PLAN KEYNOTES THIS SHEET ONLY:

1 CLASS 'A' ASPHALT SHINGLE ROOFING SYSTEM o/ (E) PLYWOOD SHEATHING d

2 (E) PIPE VENT TO REMAIN, PROTECT. COORDINATE w/ PLUMBING DWGS

3 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

4 ROOF EXHAUST FANS, COORDINATE w/ MECHANICAL DWGS

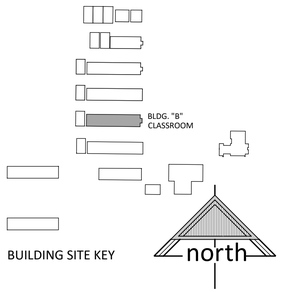
5 GRAVITY VENTILATOR CAP, COORDINATE w/ MECHANICAL DWGS

6 HOSE BIBB, COORDINATE w/ PLUMBING DWGS

7 3-1/2" DEEP PRE-FINISHED FLASHING g

8 (E) FASCIA BOARD, PAINT c

9 (E) CORRIDOR ROOFING AT REMAIN, PROTECT



BUILDING SITE KEY

APPROVALS

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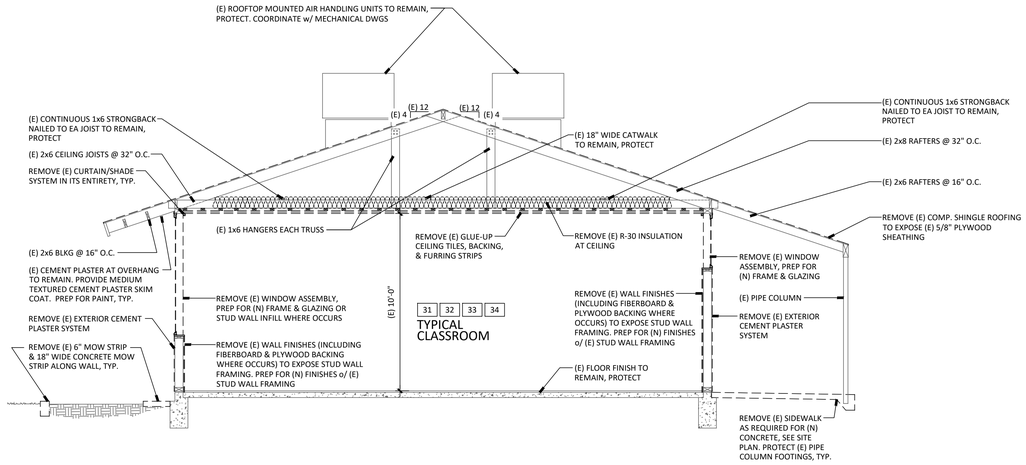
TITLE
BUILDING B
DEMO ROOF
PLAN,
ROOF PLAN

A22

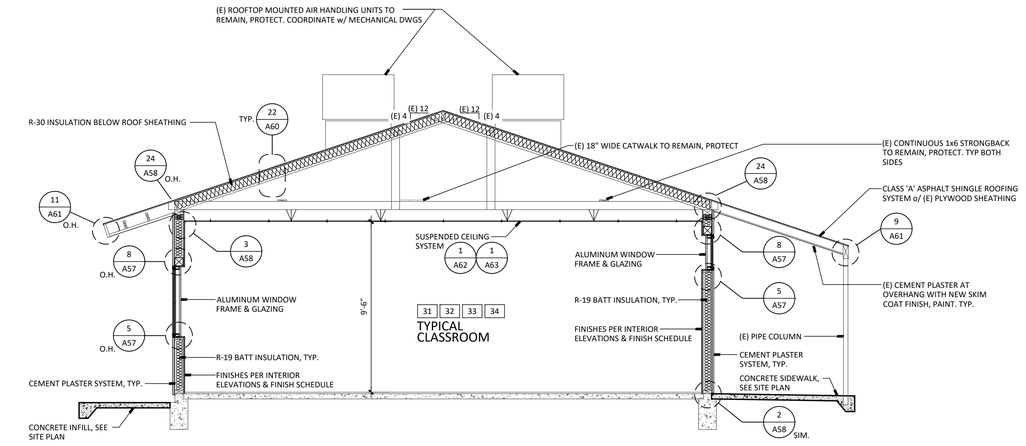
PROJECT 24043



BUILDING B

A DEMOLITION BUILDING SECTION

SCALE: 1/4" = 1'-0"



BUILDING B

B BUILDING SECTION

SCALE: 1/4" = 1'-0"

APPROVALS

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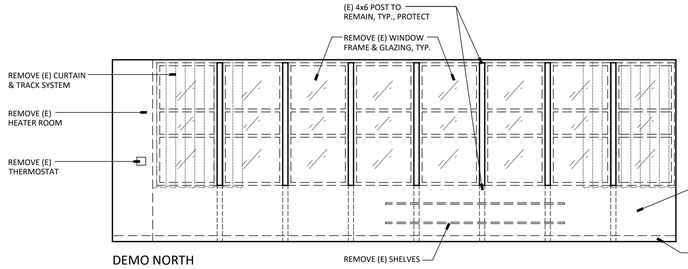
TITLE
BUILDING B SECTIONS

A23

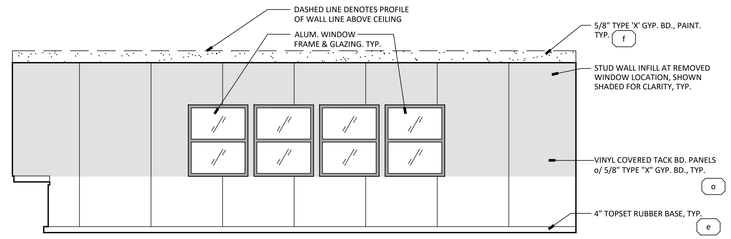
PROJECT 24043

TYPICAL NOTES :

1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
6. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
10. = A.D.A. ACCESSIBLE, SEE CABINET DETAIL 13/A59
11. FOR SIGN TEXT REFER TO DOOR SCHEDULE. FOR TYPES AND LOCATION SEE DETAIL 21/A55
12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
13. FOR TV & SMART BOARD MONITOR BRACKET BLOCKING & ATTACHMENT SEE DETAIL 11/A59
14. FOR TYPICAL FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTING, SEE DETAILS 15/A59
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54



DEMO NORTH



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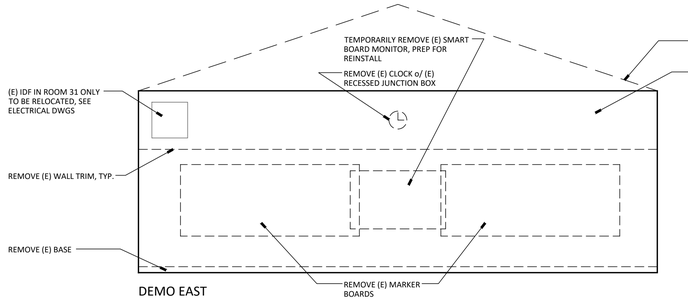

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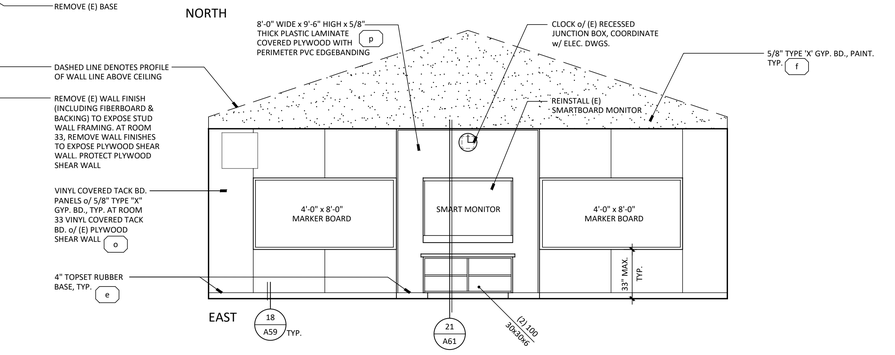

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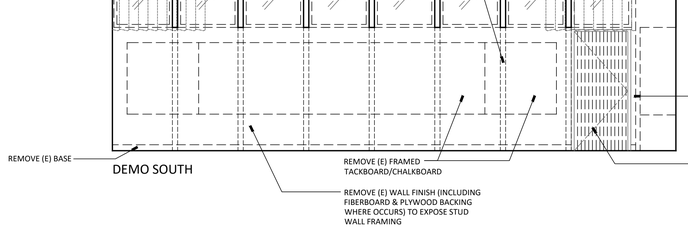
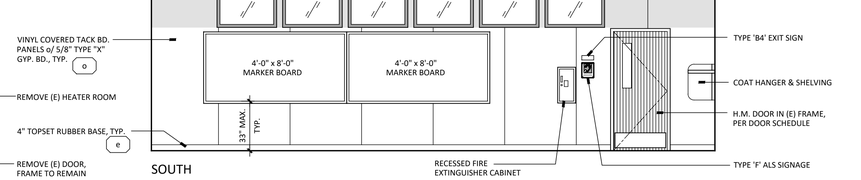


DEMO SOUTH



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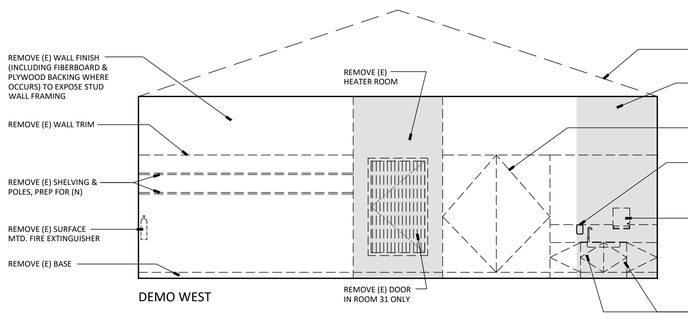

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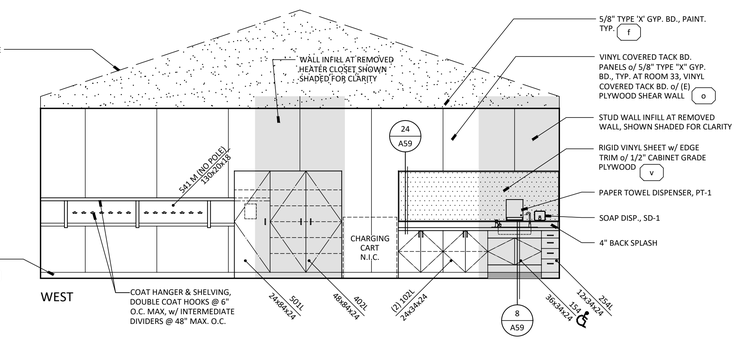

WEST

31 CLASSROOM (33 SIM.)

BUILDING B
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

APPROVALS

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TITLE
BUILDING B
INTERIOR
ELEVATIONS

A24

PROJECT 24043

TYPICAL NOTES :

1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
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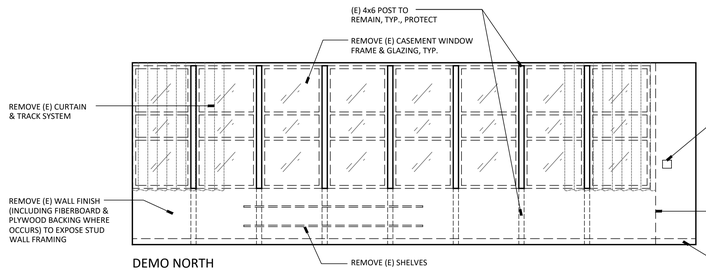
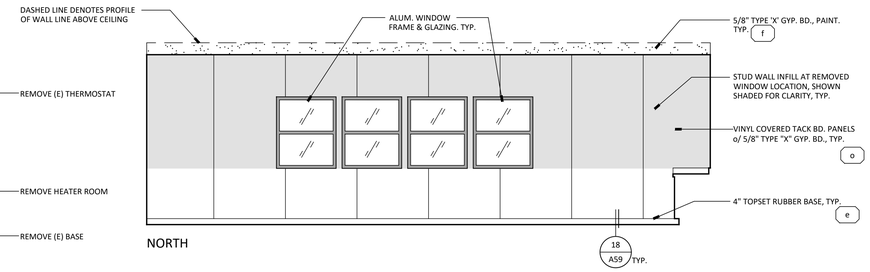
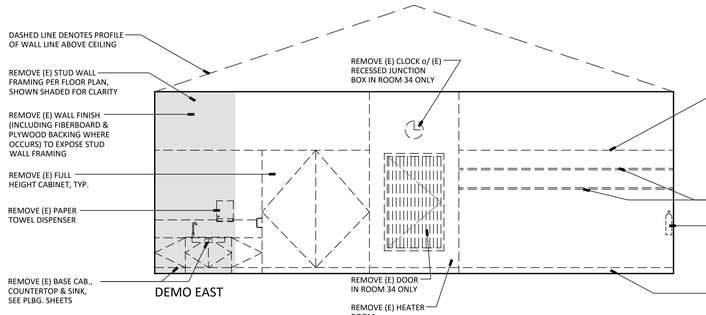
14. FOR TYPICAL FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTING, SEE DETAILS 15/A59
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54



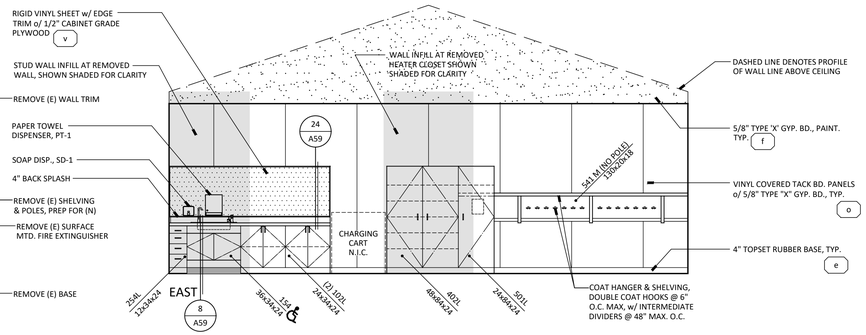
DEMO NORTH



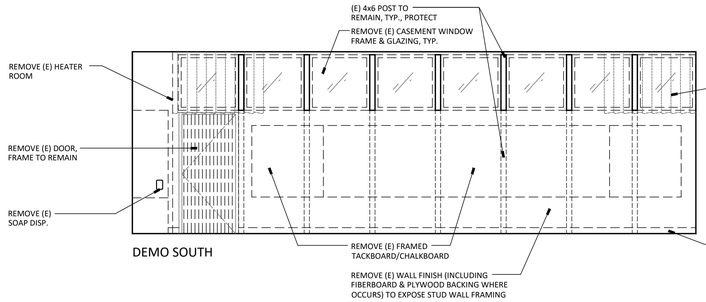
NORTH



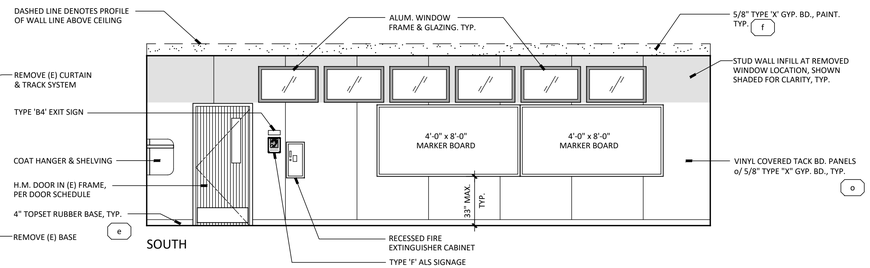
DEMO EAST



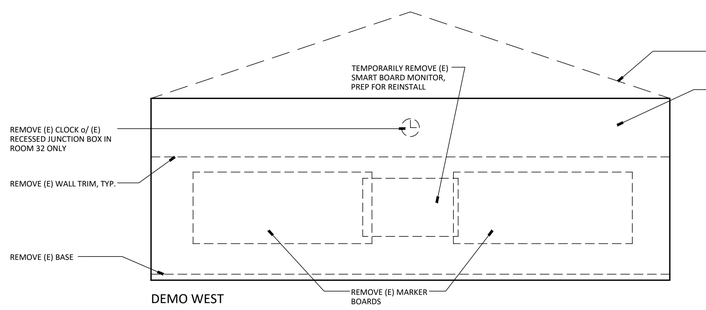
EAST



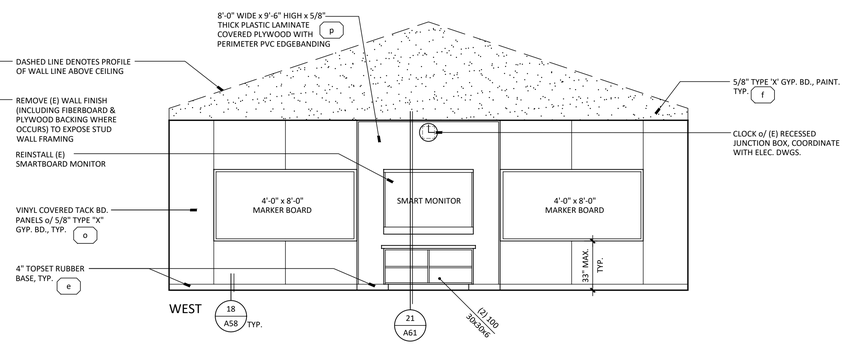
DEMO SOUTH



SOUTH



DEMO WEST



WEST

32 CLASSROOM (34 SIM.)

BUILDING B
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

APPROVALS

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TITLE
BUILDING B
INTERIOR
ELEVATIONS

A25

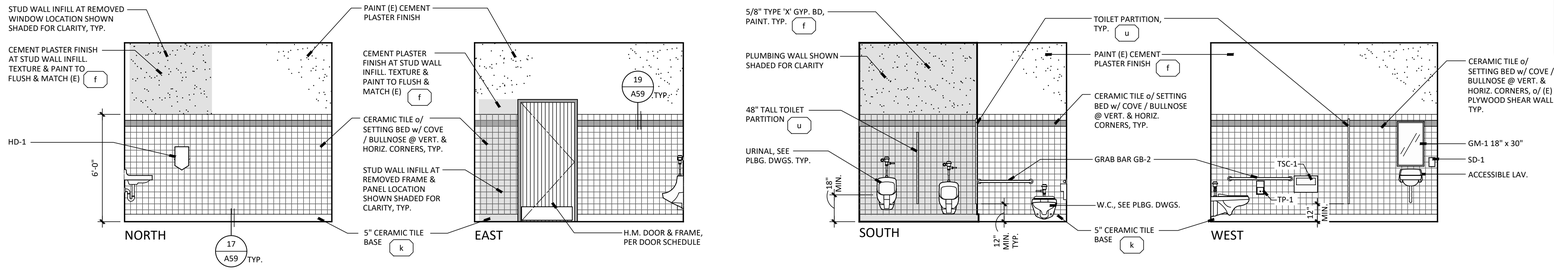
PROJECT 24043

TYPICAL NOTES :

1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 U.O.N. 17/A60
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
6. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
10. ♿ = A.D.A. ACCESSIBLE, SEE CABINET DETAIL 13/A59
11. FOR SIGN TEXT REFER TO DOOR SCHEDULE. FOR TYPES AND LOCATION SEE DETAIL 21/A55
12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
13. FOR TV & SMART BOARD MONITOR BRACKET BLOCKING & ATTACHMENT SEE DETAIL 11/A59
14. FOR TYPICAL FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTING, SEE DETAILS 15/A59
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54

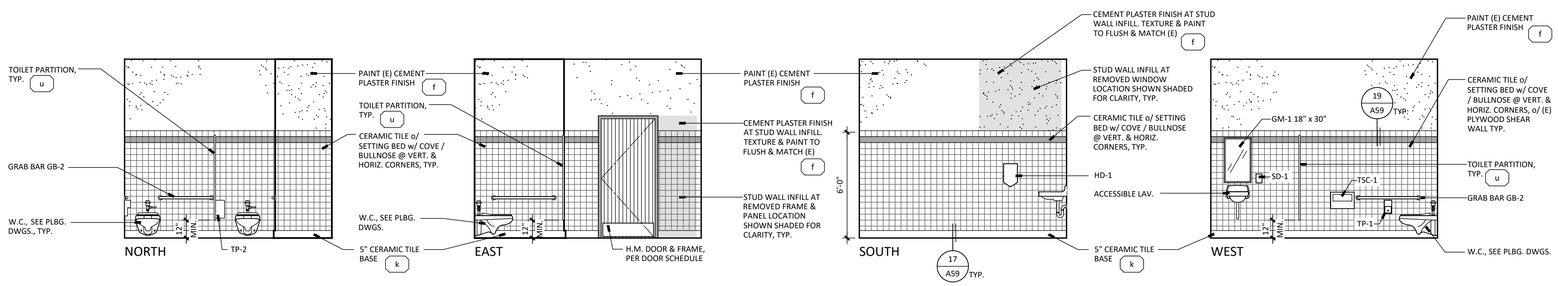
BUILDING B
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"



36 BOYS

REFER TO 16/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - AGE GROUP 9-12



37 GIRLS

REFER TO 16/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - AGE GROUP 9-12

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

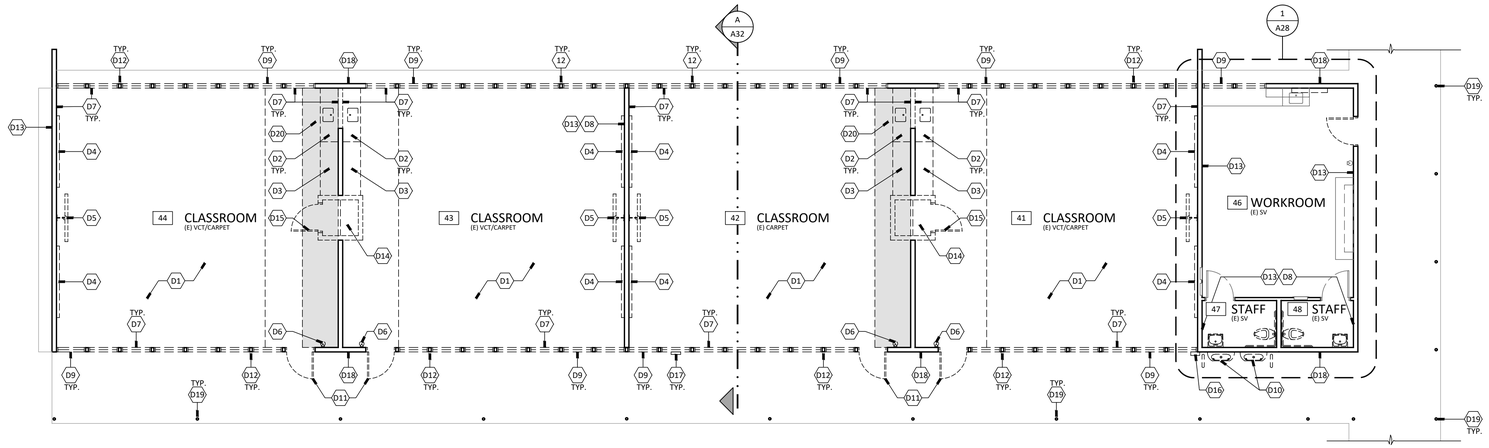
REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
BUILDING B
INTERIOR
ELEVATIONS

A26

PROJECT 24043



GENERAL DEMOLITION FLOOR PLAN NOTES:

1. VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK
2. PROTECT AREAS NOT IN SCOPE OF WORK
3. SEE STRUCTURAL, PLUMBING, MECHANICAL, & ELECTRICAL, FOR ADDITIONAL INFORMATION
4. ALL FIRE ALARM, DATA, & MISCELLANEOUS ABANDONED EQUIPMENT & ABANDONED CONDUIT IS TO BE REMOVED, INCLUDING THOSE THAT ARE NOT CLEARLY VISIBLE

DEMO. FLOOR PLAN LEGEND:

- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED
- (E) 2x STUD WALL TO REMAIN
- (E) 2x STUD WALL TO BE REMOVED

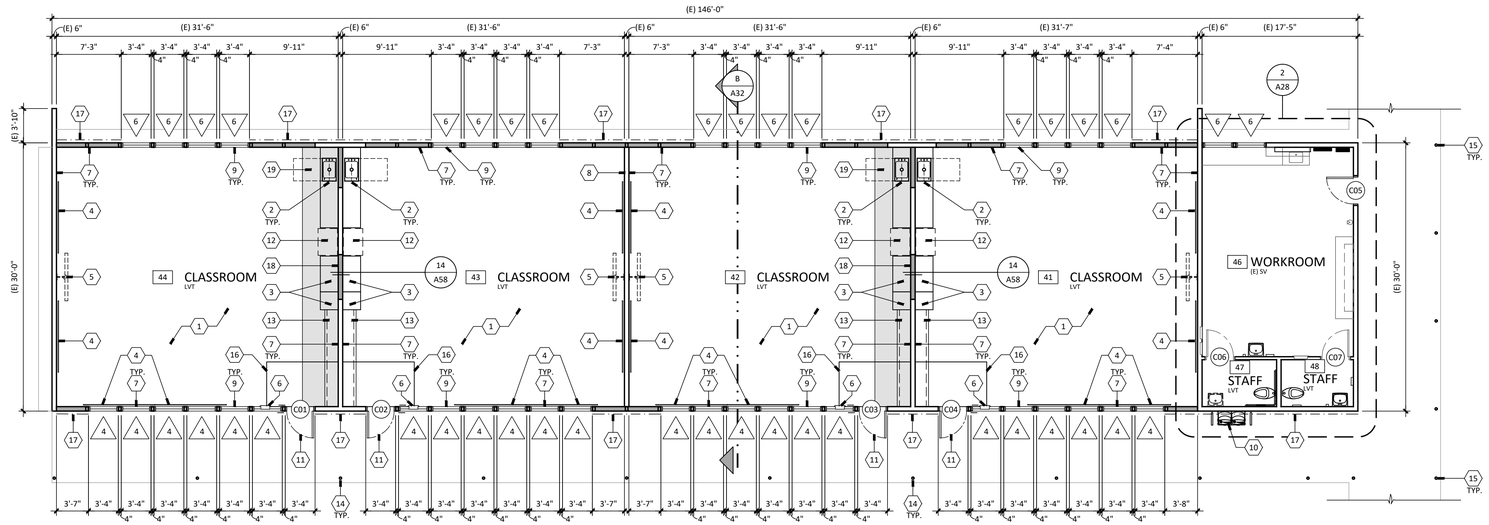
north

BUILDING C - DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) FLOOR FINISH & BASE, PREP FOR (N) FLOOR FINISH & BASE PER FLOOR PLAN
- D2 REMOVE (E) BASE CABINET, COUNTERTOP & SINK (WHERE OCCURS), SEE PLUMBING DWGS
- D3 REMOVE (E) FULL HEIGHT TYPE CABINET IN ITS ENTIRETY
- D4 REMOVE (E) MARKER BOARD, PREP FOR (N) MARKER BOARD PER FLOOR PLAN
- D5 TEMPORARILY REMOVE (E) SMARTBOARD MONITOR & PREP FOR REINSTALL PER FLOOR PLAN & INTERIOR ELEVATIONS
- D6 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER, SEE FLOOR PLAN FOR (N) RECESSED FIRE EXTINGUISHER & CABINET
- D7 REMOVE (E) WALL FINISHES (INCLUDING PLYWOOD SHEATHING WHERE OCCURS) TO EXPOSE STUD WALL FRAMING. PREP FOR (N) FINISHES o/ (E) STUD WALL FRAMING
- D8 REMOVE (E) WALL FINISHES TO EXPOSE PLYWOOD SHEAR WALL. PREP FOR (N) FINISHES o/ (E) PLYWOOD SHEAR WALL
- D9 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM PER FRAME SYSTEM PER FRAME SCHEDULE OR WALL INFILL PER FLOOR PLAN & INTERIOR ELEVATIONS. FOR WALL INFILL INFO, REFER TO STRUCTURAL DETAIL 43/S0.3
- D10 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. PREP FOR (N) DRINKING FOUNTAIN & GUARD RAILS PER FLOOR PLAN. COORDINATE w/ PLUMBING DWGS
- D11 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D12 (E) 4"x6" MULLION CONTINUOUS FROM SILL TO BEAM, PROTECT
- D13 LOCATION OF (E) SHEAR PANEL THIS SIDE OF WALL, PROTECT
- D14 REMOVE (E) HEATER ROOM & SHELVING IN ITS ENTIRETY, PREP FOR (N) WALL INFILL PER FLOOR PLAN
- D15 REMOVE (E) DOOR & FRAME ASSEMBLY IN ITS ENTIRETY
- D16 REMOVE (E) WATER BOTTLE FILL STATION, SALVAGE TO OWNER. COORDINATE w/ PLUMBING DWGS. PATCHBACK WALL FINISHES TO FLUSH & MATCH (E)
- D17 REMOVE (E) SURFACED MOUNTED FIRE EXTINGUISHER CABINET
- D18 LOCATION OF (E) SHEAR PANEL, PROTECT
- D19 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT
- D20 SAWCUT & REMOVE (E) CONCRETE SLAB (SHOWN SHADED) & PREP FOR (N) CONCRETE SLAB, COORDINATE w/ PLUMBING DWGS.
  NOTE, SHADING IS REPRESENTATIVE APPROXIMATE AREA OF DEMO. CONTRACTOR SHALL FIELD VERIFY (E) CONDITION AND COORDINATE WITH OTHER DISCIPLINES FOR EXTENT OF ACTUAL DEMO.



GENERAL FLOOR PLAN NOTES:

1. FINISH ALL GYPSUM BOARD EDGES PER DETAIL 14/A60
2. REFER TO INTERIOR ELEVATIONS FOR TYP. ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS
3. REFER TO INTERIOR ELEVATIONS AND DOOR SCHEDULE FOR ALL ROOM AND BUILDING SIGNAGES
4. = MATERIAL DEFINITION, SEE FINISH SCHEDULE
5. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR ALL ROOM FINISHES
6. FOR WALL PENETRATIONS OF PIPE OR CONDUIT, REFER TO DETAIL 13/A60
7. FOR (N) CONC. SLAB TO (E) OR FOR (E) CONC. SLAB INFILL, SEE STRUCTURAL
8. FOR (N) CONC. CURB TO (E), SEE STRUCTURAL
9. PATCH & REPAIR ALL WALL FINISHES, FLOORING, & BASE AS NEEDED FOR A FINISHED FINAL RESULT
10. PROVIDE THERMAL BATT INSULATION AT ALL EXTERIOR WALLS FULL HEIGHT & SOUND BATT INSULATION AT INTERIOR STUD WALLS FULL HEIGHT. SEE SPECS. FOR ADDITIONAL INFORMATION
11. FOR TYPICAL STUD WALL INFILL FRAMING, SEE STRUCTURAL
12. FOR TYPICAL NEW OPENING FRAMING, SEE STRUCTURAL

FLOOR PLAN LEGEND:

- (E) WOOD FRAMED WALL TO REMAIN, PROTECT
- 2x6 WOOD STUD @ 16" O.C.
- 2x4 WOOD STUD @ 16" O.C.
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- 48" x 30" — INDICATES 30" x 48" CLEAR FL. SPACE
- # — FRAME TYPE, SEE FRAME TYPE SCHEDULE
- # — ROOM NUMBER, FLOOR FINISH MATERIAL

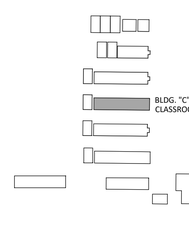
north

FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

1. FLOOR & BASE, SEE FINISH SCHEDULE
2. BASE CABINET, COUNTERTOP & ACCESS. SINK WITH BUBBLER, SEE DETAIL 13/A59
3. FULL HEIGHT TYPE CABINET, SEE INTERIOR ELEVATIONS
4. MARKER BOARD, SEE INTERIOR ELEVATIONS
5. REINSTALL (E) SMARTBOARD MONITOR, SEE INTERIOR ELEVATIONS
6. RECESSED FIRE EXTINGUISHER & CABINET
7. WALL FINISHES o/ (E) STUD WALL FRAMING ((N) WALL FRAMING WHERE OCCURS), SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES
8. WALL FINISHES o/ (E) PLYWOOD SHEAR WALL, SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES. IF REQUIRED TO ACCESS WALL TO INSTALL POWER/DATA, REMOVE (E) PLYWOOD SHEATHING AND REPLACE PER DETAIL 43/50.2
9. ALUMINUM WINDOW FRAME PER FRAME SCHEDULE
10. DRINKING FOUNTAIN & GUARD RAILS, COORDINATE w/ EXTERIOR ELEVATIONS & PLUMBING DWGS. SEE DETAIL 21/A59
11. HOLLOW METAL DOOR IN (E) HOLLOW METAL FRAME, COORDINATE w/ DOOR SCHEDULE
12. LOCATION OF PORTABLE CHARGING STATION, N.I.C.
13. SHELVING & COAT HANGER PER INTERIOR ELEVATIONS
14. (E) PIPE COLUMN TO REMAIN, PAINT PER EXTERIOR ELEVATIONS & FINISH SCHEDULE
15. PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDINGS. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) PIPE COLUMNS
16. 5'-0" x 8'-0" WALK-OFF CARPET MAT AT ENTRY, SEE FINISH SCHEDULE. FLUSH w/ FINISH FLOOR, TYP.
17. DASH DOT DENOTES LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
18. STUD WALL INFILL, SEE INTERIOR ELEVATIONS
19. 4" CONCRETE SLAB (SHOWN SHADED) TO FLUSH & MATCH, COORDINATE w/ PLUMBING & STRUCTURAL DWGS.

north

BUILDING SITE KEY



BUILDING C - FLOOR PLAN

SCALE: 1/8" = 1'-0"

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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LICENSED ARCHITECT JAMES R. MORRELL C-27128 REN. 05-31-27 STATE OF CALIFORNIA

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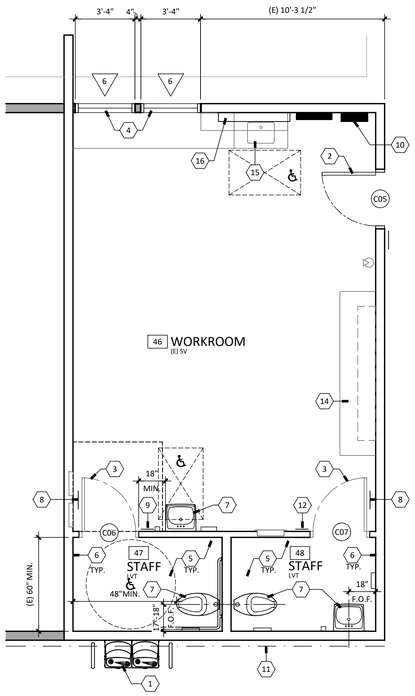
(559) 627.1926 Fax

TITLE
BUILDING C
DEMO FLOOR
PLAN,
FLOOR PLAN

A27

PROJECT 24043

F:\01 projects\24043\Drawings\01 architectural\03 sheets\24043_A27-A28 - Bldg. C Floor Plan.dwg Oct 28 2025 3:21pm



ENLARGED FLOOR PLAN LEGEND

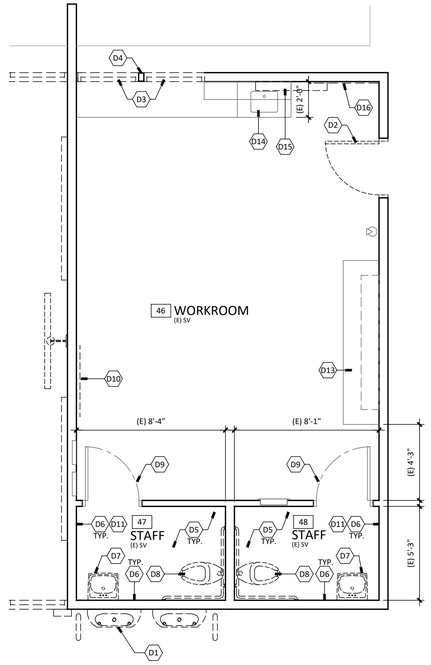
- (E) WOOD STUD WALL
- 2x6 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- 2x4 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- INDICATES 30" x 48" CLEAR W.C. SPACE
- INDICATES 5' DIAMETER FL. ROTATION SPACE

ENLARGED FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

1. DRINKING FOUNTAIN w/ GUARD RAILS PER PLUMBING DWGS & EXTERIOR ELEVATIONS
2. HOLLOW METAL DOOR IN (E) HOLLOW METAL FRAME, COORDINATE w/ DOOR SCHEDULE
3. (E) DOOR & FRAME TO REMAIN, PROTECT. SEE DOOR SCHEDULE FOR (N) HARDWARE AT (E) DOOR & FRAME
4. ALUMINUM WINDOW FRAME PER FRAME SCHEDULE
5. FLOOR & BASE, SEE FINISH SCHEDULE
6. F.R.P o/ 5/8" GYP. BD., SEE INTERIOR ELEVATIONS & FINISH SCHEDULE
7. PLUMBING FIXTURE PER PLUMBING DWGS., TYP.
8. TYPE 'A3' SIGN, SEE DOOR SCHEDULE
9. TYPE 'A4' SIGN, SEE DOOR SCHEDULE
10. FIRE ALARM PANELS, COORDINATE w/ ELECTRICAL DWGS. PATCH & REPAIR WALL FINISHES TO FLUSH & MATCH (E)
11. DASH DOT DENOTES LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
12. TYPE 'B2' SIGN, SEE DOOR SCHEDULE
13. NOT USED.
14. (E) SHELVING TO REMAIN, PROTECT
15. (E) COUNTERTOP & SINK TO REMAIN, PROTECT. PARALLEL SIDE APPROACH PER CBC 11B-606.2 EXCEPTION 1
16. RELOCATED IDU, COORDINATE WITH MECHANICAL DWGS.

north

BUILDING C
2 ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"



ENLARGED DEMOLITION PLAN LEGEND

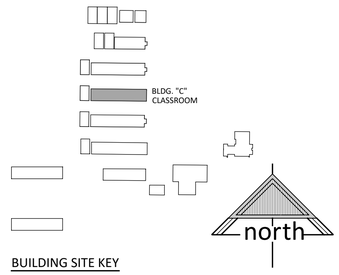
- (E) WOOD STUD WALL TO REMAIN
- (E) WALL TO BE REMOVED
- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED

ENLARGED DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. REPLACE w/ (N) DRINKING FOUNTAIN & GUARD RAILS PER FLOOR PLAN
- D2 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D3 REMOVE (E) STEEL FRAMED WINDOWS & PREP FOR WALL INFILL PER FLOOR PLAN
- D4 (E) 4"x6" MULLION CONTINUOUS FROM SILL TO BEAM, TYP., PROTECT
- D5 REMOVE (E) SHEET VINYL FLOOR, PREP FOR (N) FLOORING PER FLOOR PLAN
- D6 REMOVE (E) F.R.P. WALL PANEL FINISH & GYP. BD. BACKING TO EXPOSE STUD WALL FRAMING. PREP FOR (N) FINISHES o/ (E) STUD WALL FRAMING PER INTERIOR ELEVATIONS. AT (E) SHEAR WALL LOCATION, PROTECT (E) PLYWOOD SHEAR WALL & PREP FOR (N) FINISHES o/ (E) PLYWOOD SHEAR WALL
- D7 REMOVE (E) WALL HUNG LAVATORY. COORDINATE w/ PLUMBING DWGS
- D8 REMOVE (E) FLOOR MOUNTED WATER CLOSET, COORDINATE w/ PLUMBING DWGS
- D9 (E) DOOR & FRAME TO REMAIN, PROTECT. REMOVE (E) HARDWARE AND PREP FOR (N) PER DOOR SCHEDULE
- D10 REMOVE (E) WALL FINISHES AS REQUIRED FOR INSTALL OF FIRE ALARM PANELS, COORDINATE w/ ELECTRICAL DWGS
- D11 LOCATION OF SHEAR PANEL THIS SIDE OF WALL, PROTECT
- D12 NOT USED.
- D13 (E) SHELVING TO REMAIN, PROTECT
- D14 (E) COUNTERTOP AND SINK TO REMAIN, PROTECT
- D15 (E) IDU TO BE REMOVED AND RELOCATED, SEE MECHANICAL DWGS.
- D16 REMOVE (E) WALL FINISHES THAT ARE REQUIRED FOR INSTALL OF FIRE ALARM PANELS, COORDINATE w/ ELECTRICAL DWGS

north

BUILDING C
1 ENLARGED DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"



BUILDING SITE KEY

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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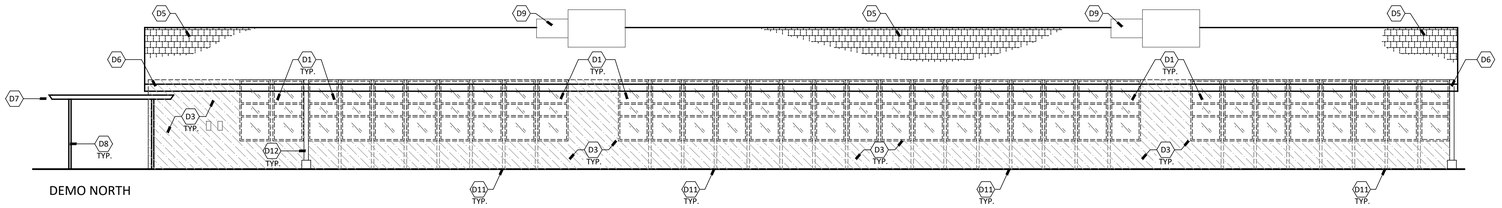
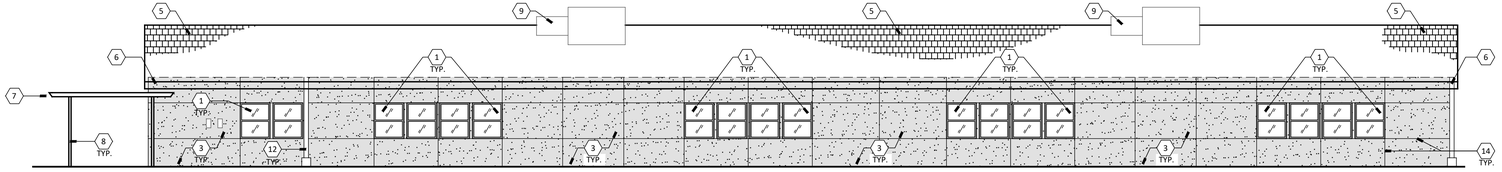
TITLE
BUILDING C
ENLARGED DEMO
FLOOR PLAN,
ENLARGED FLOOR PLAN

A28

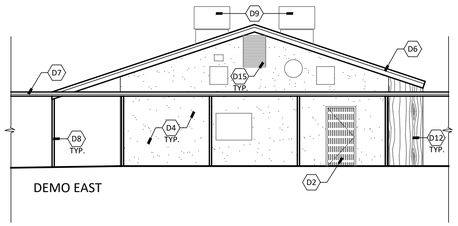
PROJECT 24043



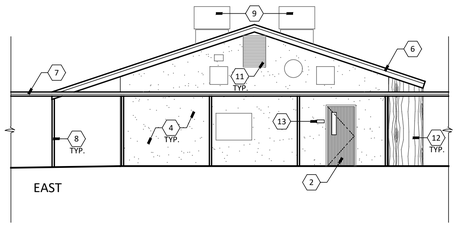
DEMO NORTH



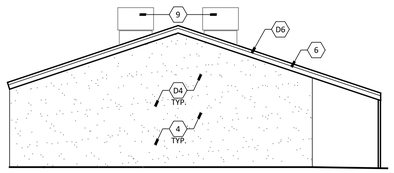
NORTH



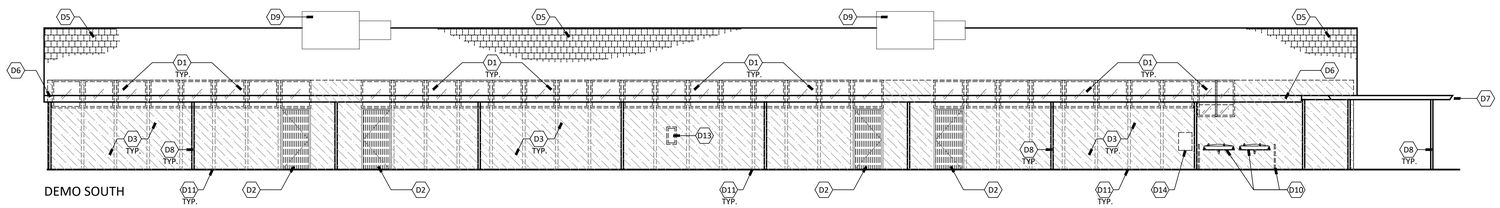
DEMO EAST



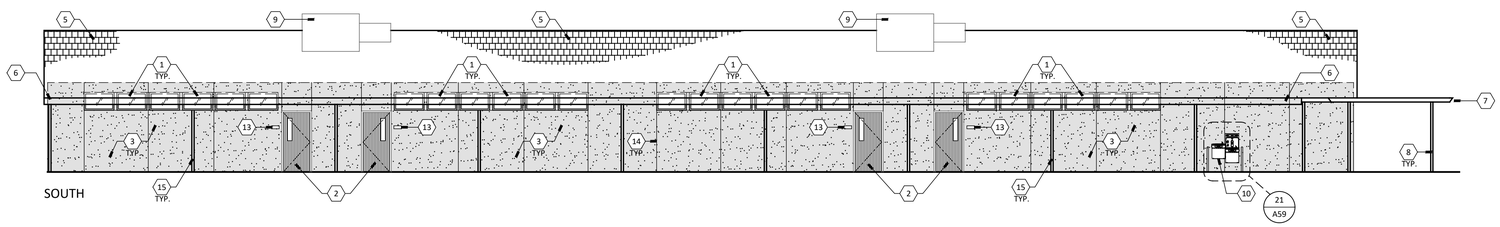
EAST



DEMO WEST / WEST



DEMO SOUTH



SOUTH

BUILDING C
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

DEMO. EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM OR STUD WALL INFILL WHERE OCCURS PER FLOOR PLAN & FRAME TYPE SCHEDULE
- D2 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D3 REMOVE (E) CEMENT PLASTER SYSTEM, THIS WALL (SHOWN DASHED), TO EXPOSE PLYWOOD SHEATHING. COORDINATE PLYWOOD SHEAR WALL LOCATIONS WITH STRUCTURAL DRAWINGS. PREP FOR (N) CEMENT PLASTER SYSTEM o/ (E) PLYWOOD SHEATHING. (N) SHEATHING WHERE OCCURS.
- D4 (E) PLASTER, PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT
- D5 REMOVE (E) COMP. SHINGLE ROOF, PREP FOR (N) COMP. SHINGLE PER ROOF PLAN
- D6 (E) FASCIA TO REMAIN, PROTECT. PREP FOR PAINT
- D7 (E) FASCIA & METAL DRIP EDGE AT CORRIDOR TO REMAIN, PROTECT. PREP FOR PAINT
- D8 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT
- D9 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS
- D10 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. PREP FOR (N) DRINKING FOUNTAIN & GUARD RAILS. COORDINATE w/ PLUMBING DWGS
- D11 (E) 4 x 6 POST INSIDE WALL TO REMAIN, PROTECT
- D12 (E) WOOD FINISH TO REMAIN, PREP FOR PAINT
- D13 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER CABINET
- D14 REMOVE (E) WATER BOTTLE FILL STATION, SALVAGE TO OWNER. COORDINATE w/ PLUMBING DWGS. PATCHBACK WALL FINISHES TO FLUSH & MATCH (E)
- D15 (E) 42"x30" REMOVABLE VENTILATING LOUVER TO REMAIN, PROTECT. PREP FOR PAINT

EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

- 1 ALUMINUM WINDOW FRAME WITH GLAZING IN (E) OPNG. PER FLOOR PLAN & FRAME SCHEDULE
- 2 HOLLOW METAL DOOR IN (E) FRAME, SEE DOOR SCHEDULE
- 3 CEMENT PLASTER SYSTEM o/ (E) PLYWOOD SHEATHING, SHOWN SHADED. (N) SHEATHING WHERE OCCURS. INFILL WALL OPENING w/ STUDS TO FLUSH & MATCH (E) AT REMOVED DOOR & WINDOW LOCATIONS. PAINT WALL (b)
- 4 (E) CEMENT PLASTER WITH NEW SKIM COAT FINISH, PAINT (b)
- 5 COMP. SHINGLE ROOF, SEE ROOF PLAN (d)
- 6 (E) FASCIA TO REMAIN, PAINT (c)
- 7 (E) FASCIA & METAL DRIP EDGE AT CORRIDOR, PAINT. FULL EXTENT OF CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF CORRIDOR FASCIA (c)
- 8 (E) PIPE COLUMN TO REMAIN, PROTECT. PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDING. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) PIPE COLUMNS (c)
- 9 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS
- 10 DRINKING FOUNTAIN w/ GUARD RAILS, COORDINATE w/ PLUMBING DWGS
- 11 (E) REMOVABLE VENTILATING LOUVER , PAINT (b)
- 12 (E) WOOD FINISH TO REMAIN, PAINT (b)
- 13 TYPE "B2" ROOM SIGN. SEE DOOR SCHEDULE
- 14 PLASTER CONTROL SCREED, SEE 21 / A58
- 15 (E) PIPE COLUMN TO REMAIN, PROTECT. PAINT (c)

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

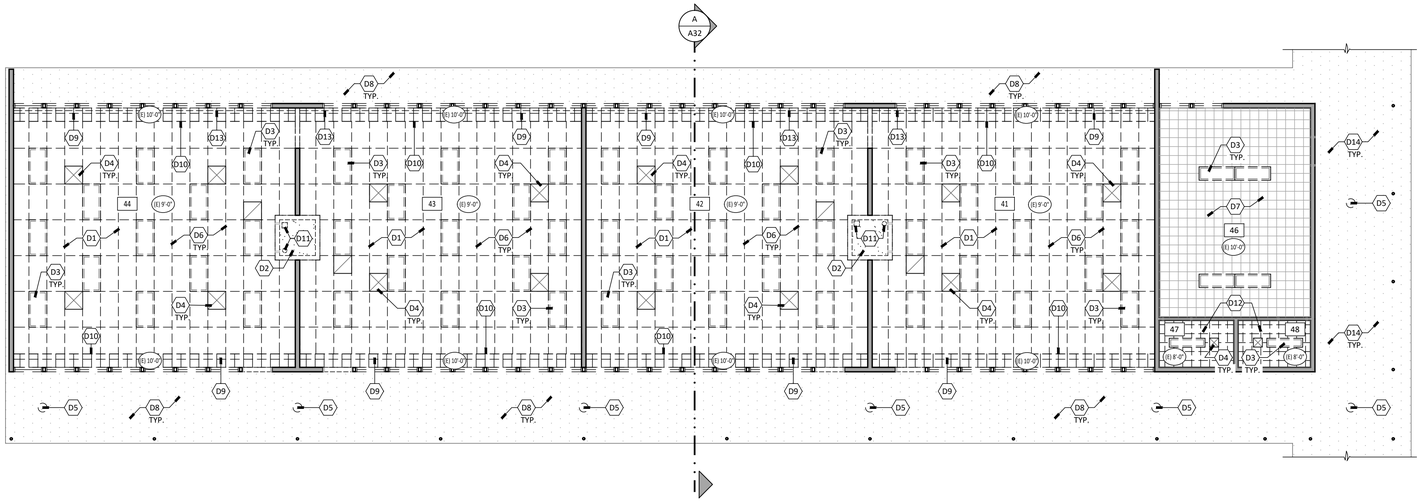
REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING C
EXTERIOR
ELEVATIONS

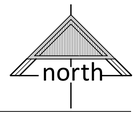
A29

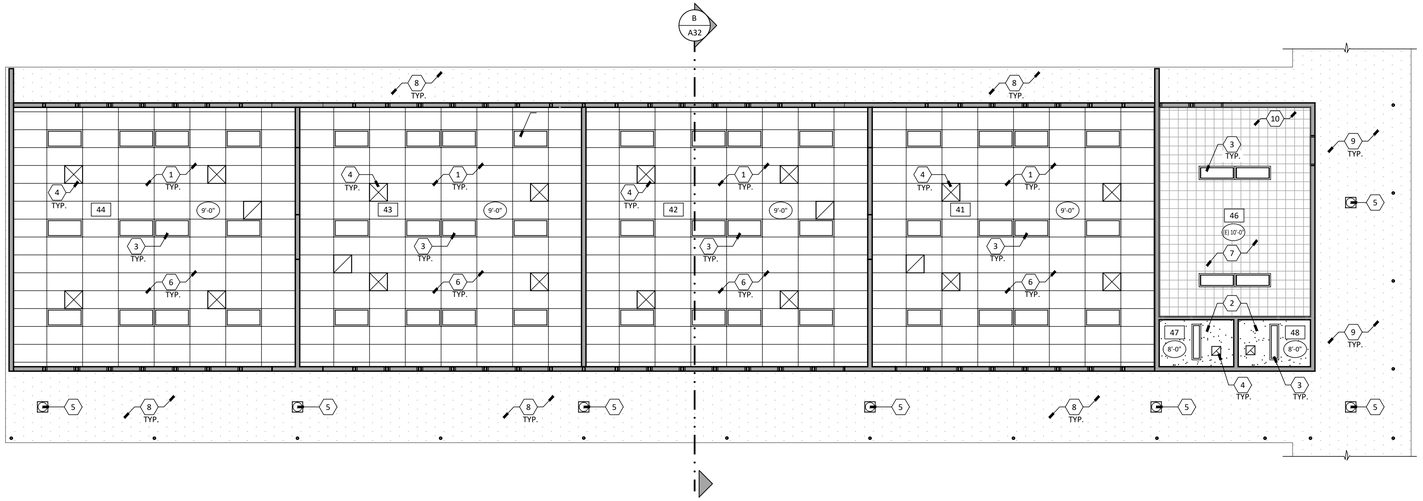
PROJECT 24043



BUILDING C
DEMOLITION REFLECTED CEILING PLAN

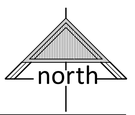
SCALE: 1/8" = 1'-0"





BUILDING C
REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"



DEMOLITION
REFLECTED CEILING PLAN KEYNOTES, THIS SHEET ONLY:

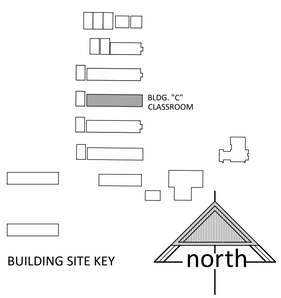
- D1 REMOVE (E) T-BAR CEILING GRID & PANEL SYSTEM, PREP FOR (N) SUSPENDED SYSTEM PER REFLECTED CEILING PLAN
- D2 REMOVE (E) GYP. BD. CEILING & FRAMING IN ITS ENTIRETY
- D3 REMOVE (E) LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS
- D4 REMOVE (E) MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS
- D5 REMOVE (E) EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS
- D6 REMOVE (E) BATT. INSULATION AT CEILING LINE
- D7 (E) GLUE-UP CEILING TILES TO REMAIN, PROTECT
- D8 (E) CEMENT PLASTER AT OVERHANG TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT
- D9 REMOVE (E) 12" x 12" GLUE-UP CEILING TILES, BACKING, & CEILING FRAMING
- D10 REMOVE (E) VERTICAL ANGLED LAY-IN CEILING SYSTEM, TYP.
- D11 REMOVE (E) VENTS, COORDINATE w/ MECHANICAL DWGS
- D12 REMOVE (E) 12" x 12" GLUE-UP CEILING TILES & BACKING TO EXPOSE CEILING FRAMING. PREP FOR (N) GYP. BD. CEILING o/ (E) CEILING FRAMING
- D13 REMOVE (E) CURTAIN/SHADE SYSTEM IN ITS ENTIRETY
- D14 (E) CEMENT PLASTER AT CORRIDOR TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT.

REFLECTED CEILING PLAN LEGEND:

- (E) CEMENT PLASTER SOFFIT/OVERHANG SYSTEM
- 2' x 4' SUSPENDED CEILING GRID SYSTEM
- (E) 12" x 12" GLUE UP CEILING TILES
- GYP. BD. CEILING TEXTURED & PAINTED
- "#'-#" ELEVATION ABOVE FINISH FLOOR LEVEL

REFLECTED CEILING PLAN KEYNOTES THIS SHEET ONLY:

1. SUSPENDED CEILING SYSTEM GRID & PANELS, FOR ADDITIONAL INFORMATION, SEE SECTIONS & DETAIL (1/A62, 1/A63)
2. S/8" TYPE 'X' GYP. BD. CEILING o/ (E) FRAMING
3. LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS
4. MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS
5. EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS. PATCH & REPAIR CEMENT PLASTER AS REQUIRE FOR INSTALL OF (N) RECESSED FIXTURE
6. R-30 BATT INSULATION AT ROOFLINE, SEE SECTIONS
7. (E) GLUE-UP CEILING TILES TO REMAIN, PROTECT. NO WORK IN THIS AREA, U.O.N.
8. (E) CEMENT PLASTER AT OVERHANG WITH NEW SKIM COAT FINISH, PAINT (b)
9. (E) CEMENT PLASTER AT CORRIDOR WITH NEW SKIM COAT FINISH, PAINT (b) FULL EXTENT OF (E) CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) CORRIDOR.
10. PATCH/REPLACE ANY EXISTING GLUE-UP TILES TO FLUSH & MATCH (E) IF DAMAGED DURING FIRE ALARM PANEL INSTALL AND/OR IDU RELOCATION



BUILDING SITE KEY

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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DIV. OF THE STATE ARCHITECT
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4320 West Mineral King Avenue
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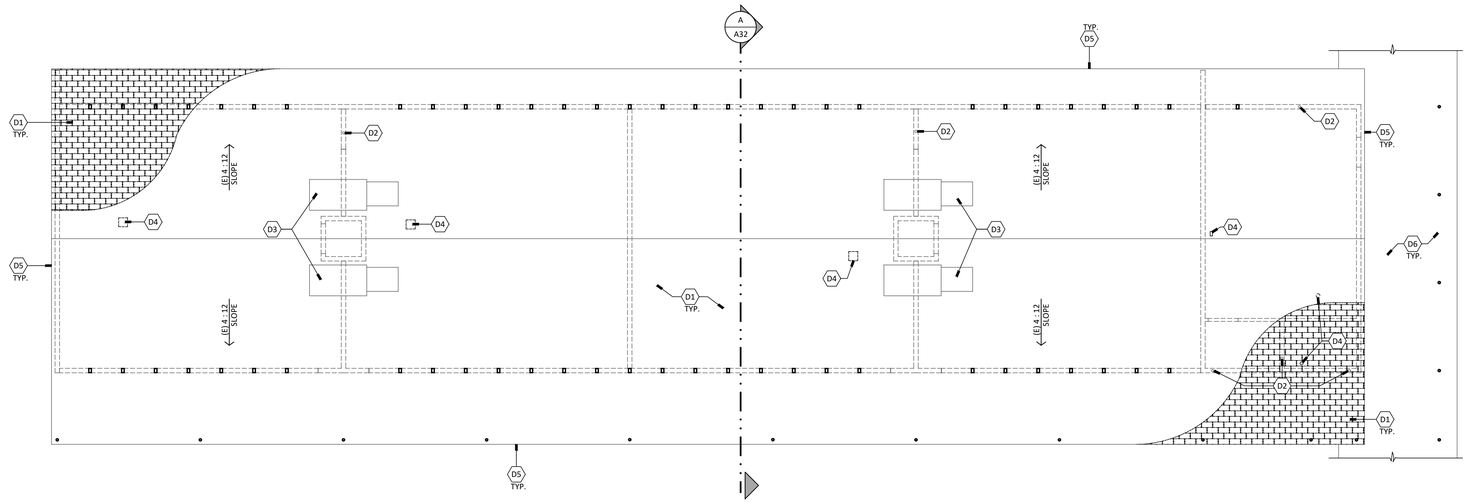
www.mangini.us
(559) 627-0630 Office
(559) 627-1926 Fax

TITLE
BUILDING C DEMO
REFLECTED CEILING
PLAN, REFLECTED
CEILING PLAN

A30

PROJECT 24043



BUILDING C
DEMOLITION ROOF PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION
ROOF PLAN KEYNOTES, THIS SHEET ONLY:

D1 REMOVE (E) COMP. SHINGLE ROOFING TO EXPOSE (E) PLYWOOD SHEATHING. PREP FOR (N) COMP. SHINGLE ROOFING o/ (E) PLYWOOD SHEATHING PER ROOF PLAN

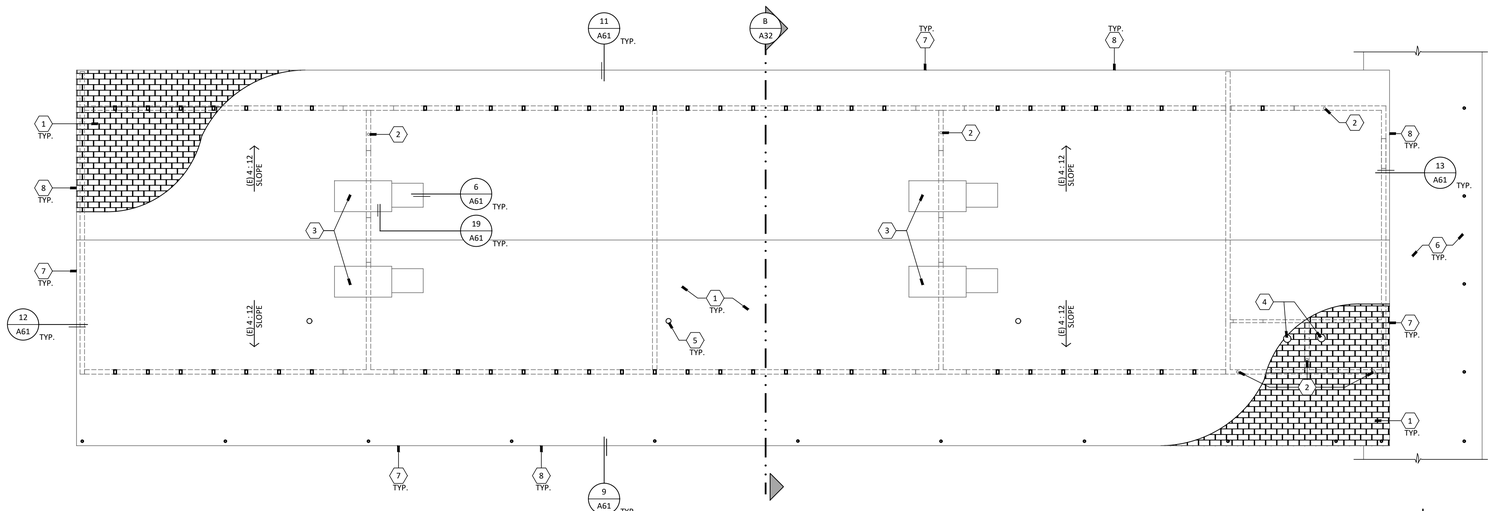
D2 (E) PIPE VENT TO REMAIN, PROTECT. COORDINATE w/ PLUMBING DWGS

D3 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

D4 REMOVE (E) VENTS AND PREPARE FOR (N) VENTS, COORDINATE w/ MECHANICAL DWGS

D5 REMOVE (E) METAL FLASHING, PREP FOR (N)

D6 (E) ROOFING AT CORRIDOR TO REMAIN, PROTECT



BUILDING C
ROOF PLAN
SCALE: 1/8" = 1'-0"

ROOF PLAN KEYNOTES THIS SHEET ONLY:

1 CLASS 'A' ASPHALT SHINGLE ROOFING SYSTEM o/ (E) PLYWOOD SHEATHING d

2 (E) PIPE VENT TO REMAIN, PROTECT. COORDINATE w/ PLUMBING DWGS

3 (E) ROOFTOP MOUNTED AIR HANDLING UNITS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

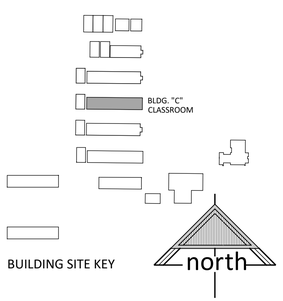
4 ROOF EXHAUST FANS, COORDINATE w/ MECHANICAL DWGS

5 HOSE BIBB, COORDINATE w/ PLUMBING DWGS

6 (E) CORRIDOR ROOFING TO REMAIN, PROTECT

7 3-1/2" DEEP PRE-FINISHED FLASHING g

8 (E) FASCIA BOARD, PAINT c



BUILDING SITE KEY

APPROVALS

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No. C-27128
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STATE OF CALIFORNIA

DATE: APRIL 16, 2025

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HANFORD ELEMENTARY SCHOOL DISTRICT
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REVISIONS

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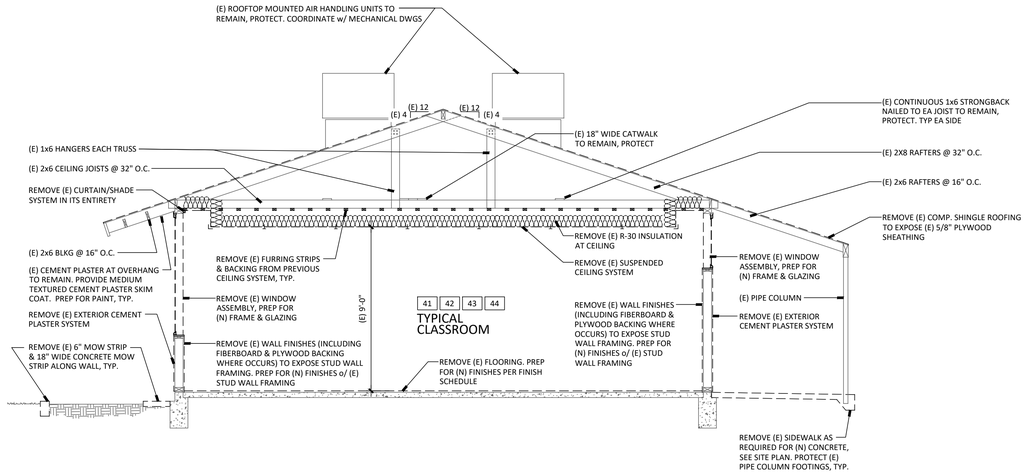
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-7638 Office
(559) 627-1926 Fax

TITLE
BUILDING C
DEMO ROOF
PLAN,
ROOF PLAN

A31

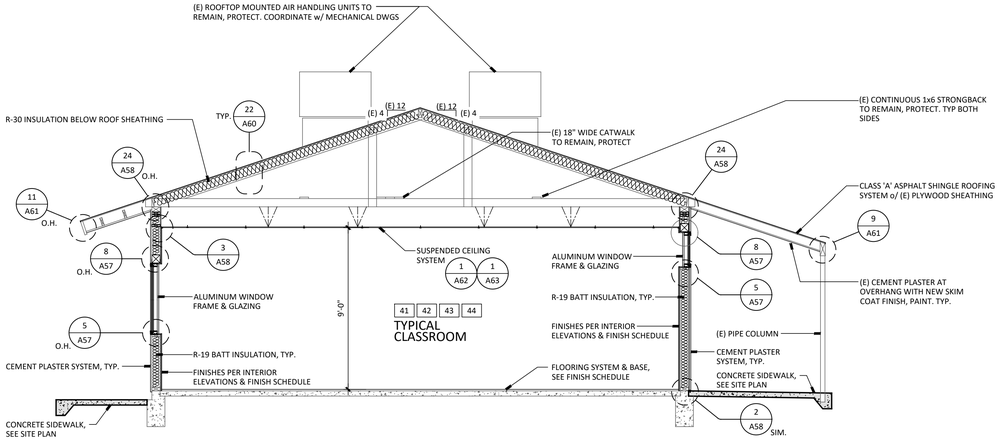
PROJECT 24043



BUILDING C

A DEMOLITION BUILDING SECTION

SCALE: 1/4" = 1'-0"



BUILDING C

B BUILDING SECTION

SCALE: 1/4" = 1'-0"

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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ARCHITECTURE
INGENUITY
MANGINI ASSOCIATES INC.
430 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0510 Office
(559) 627-1926 Fax

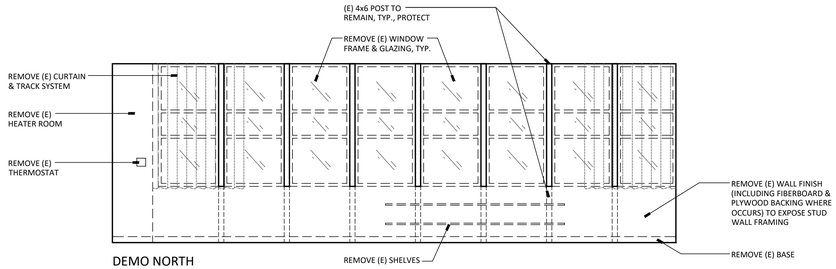
TITLE
BUILDING C
SECTIONS

A32

PROJECT 24043

TYPICAL NOTES :

1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
6. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
10. = A.D.A. ACCESSIBLE, SEE CABINET DETAIL 13/A59
11. FOR SIGN TEXT REFER TO DOOR SCHEDULE. FOR TYPES AND LOCATION SEE DETAIL 21/A55
12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
13. FOR TV & SMART BOARD MONITOR BRACKET BLOCKING & ATTACHMENT SEE DETAIL 11/A59
14. FOR TYPICAL FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTING, SEE DETAILS 15/A59
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54



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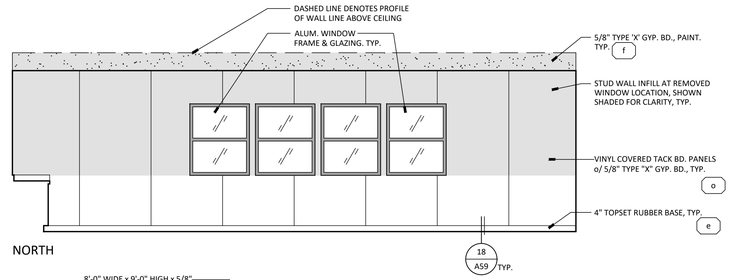
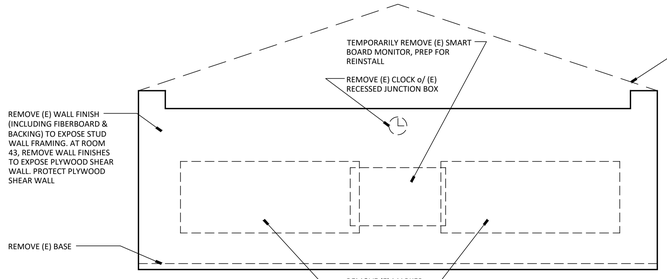
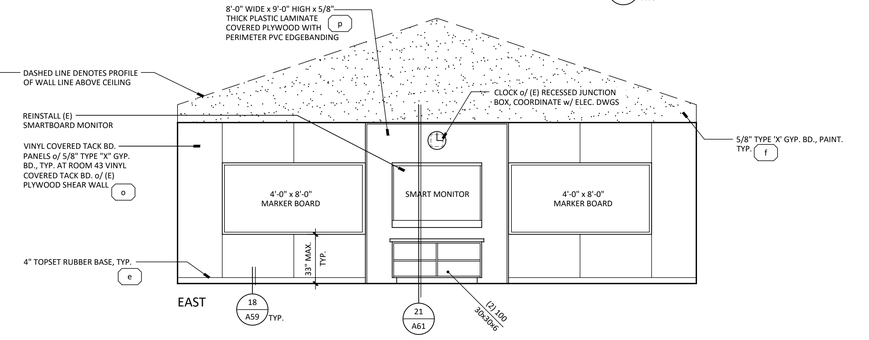


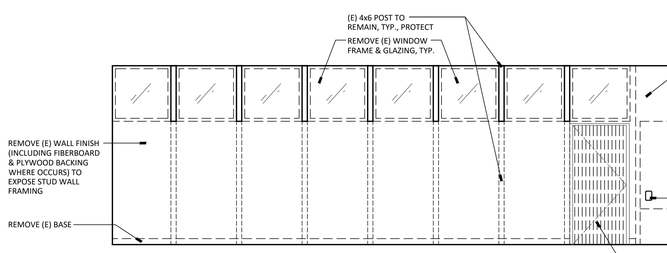
NORTH



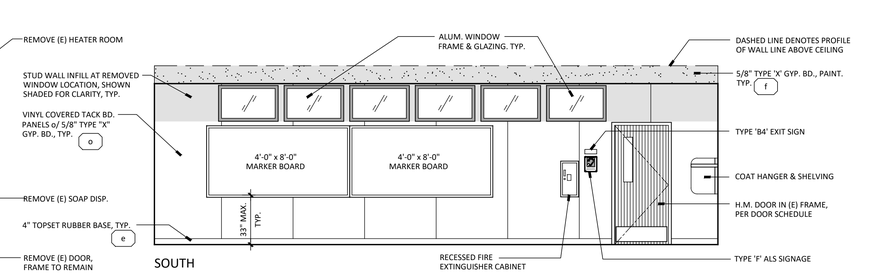
DEMO EAST



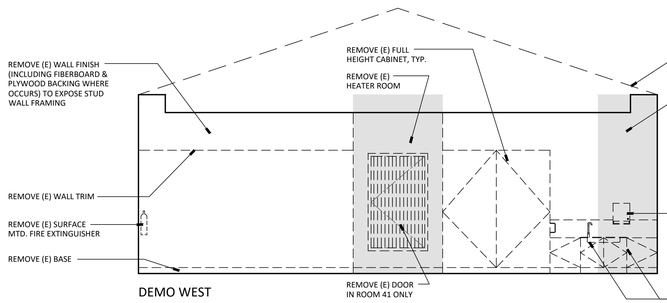
EAST



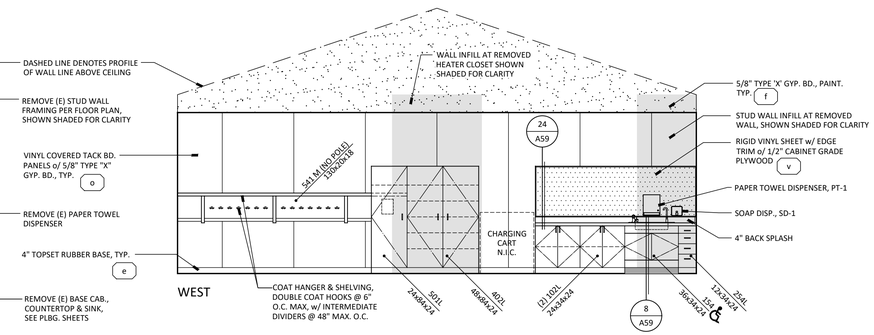
DEMO SOUTH



SOUTH



DEMO WEST



WEST

41 CLASSROOM (43 SIM.)

BUILDING C
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

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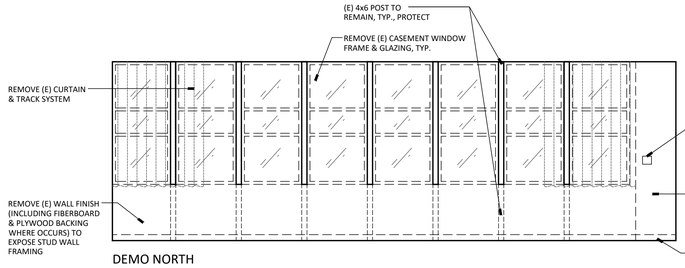
TITLE
BUILDING C
INTERIOR
ELEVATIONS

A33

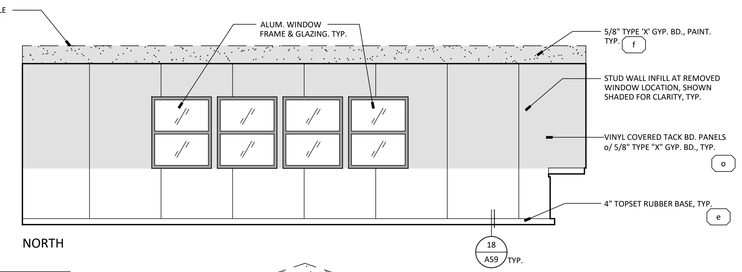
PROJECT 24043

TYPICAL NOTES :

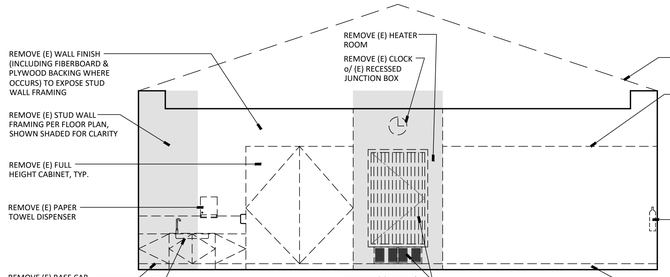
1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
6. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
10. ♿ = A.D.A. ACCESSIBLE, SEE CABINET DETAIL 13/A59
11. FOR SIGN TEXT REFER TO DOOR SCHEDULE. FOR TYPES AND LOCATION SEE DETAIL 21/A55
12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
13. FOR TV & SMART BOARD MONITOR BRACKET BLOCKING & ATTACHMENT SEE DETAIL 11/A59
14. FOR TYPICAL FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTING, SEE DETAILS 15/A59
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54



DEMO NORTH



NORTH



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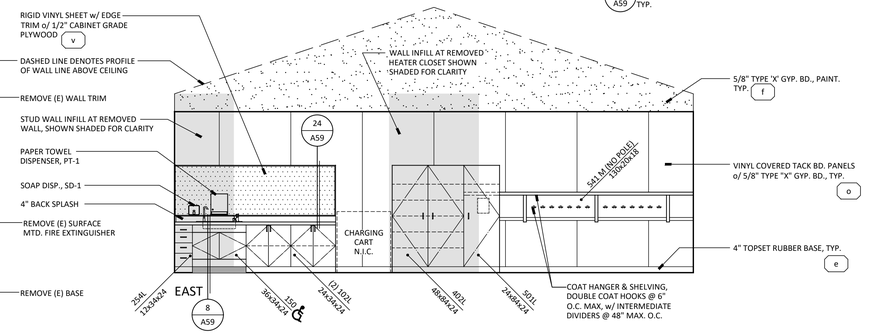

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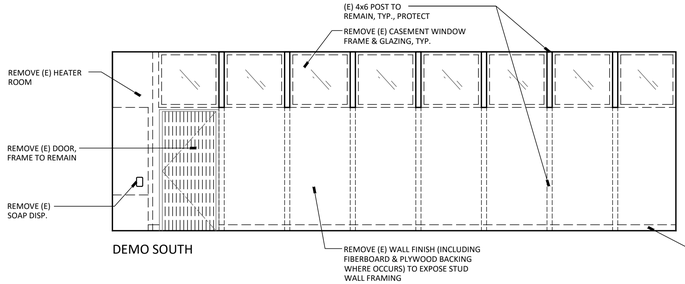

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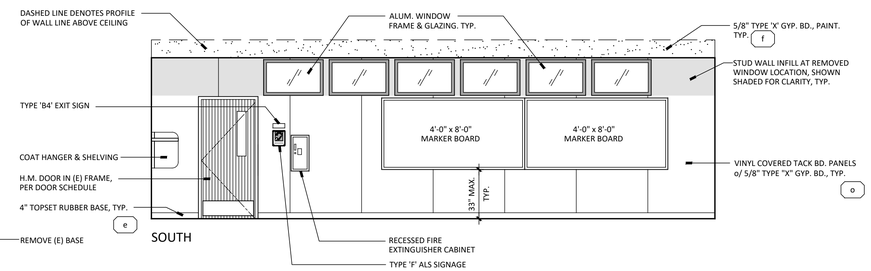

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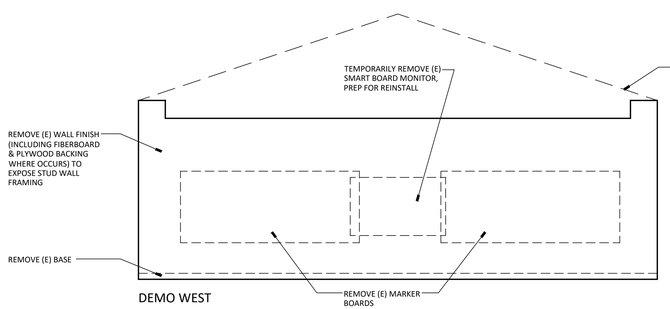

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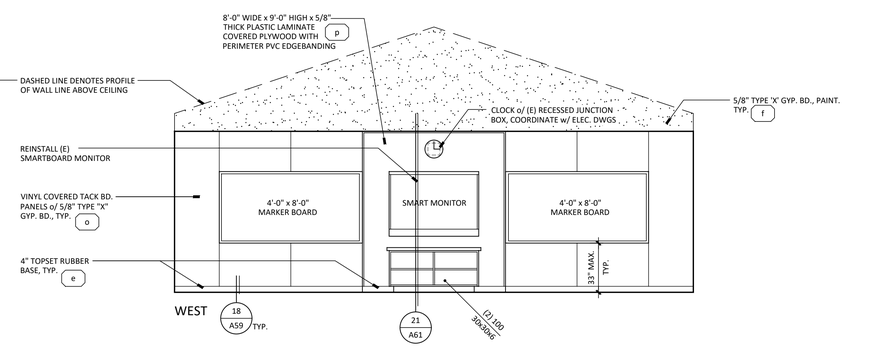


WEST

42 CLASSROOM (44 SIM.)

BUILDING C
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

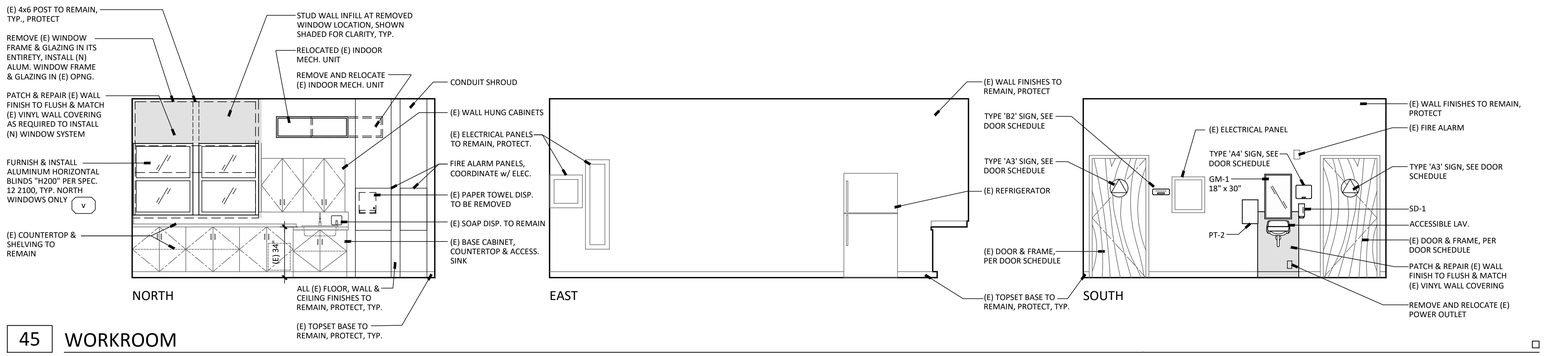
TITLE
BUILDING C
INTERIOR
ELEVATIONS

A34

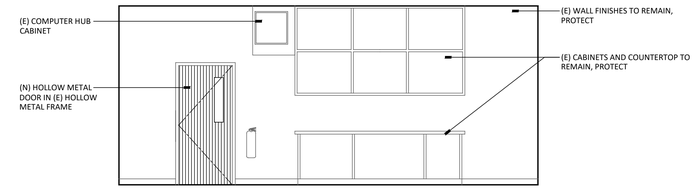
PROJECT 24043

TYPICAL NOTES :

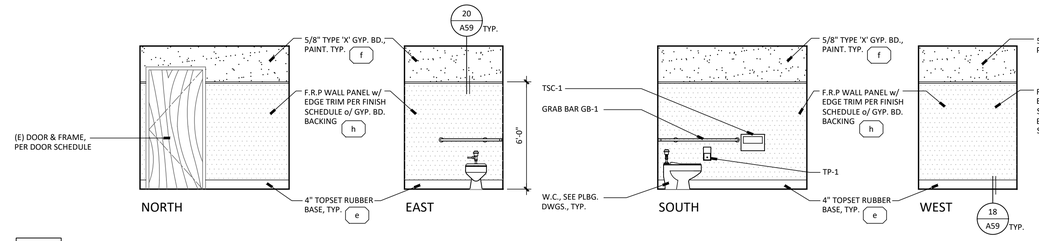
1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
6. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
10. ♿ = A.D.A. ACCESSIBLE, SEE CABINET DETAIL 13/A59
11. FOR SIGN TEXT REFER TO DOOR SCHEDULE. FOR TYPES AND LOCATION SEE DETAIL 21/A55
12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
13. FOR TV & SMART BOARD MONITOR BRACKET BLOCKING & ATTACHMENT SEE DETAIL 11/A59
14. FOR TYPICAL FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTING, SEE DETAILS 15/A59
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54



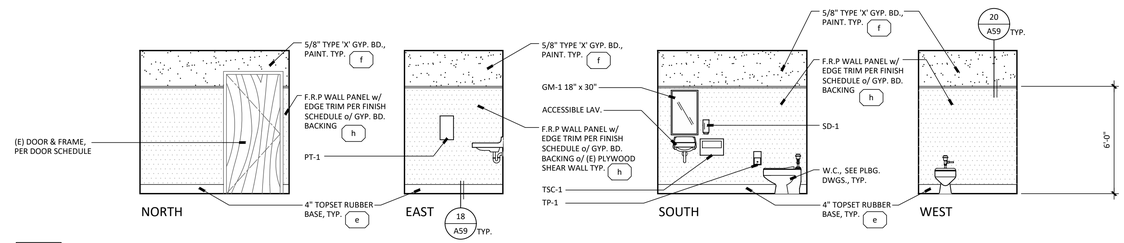
45 WORKROOM



45 WORKROOM (CONTINUED)



47 STAFF REFER TO 17/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - ADULT



48 STAFF REFER TO 17/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - ADULT

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

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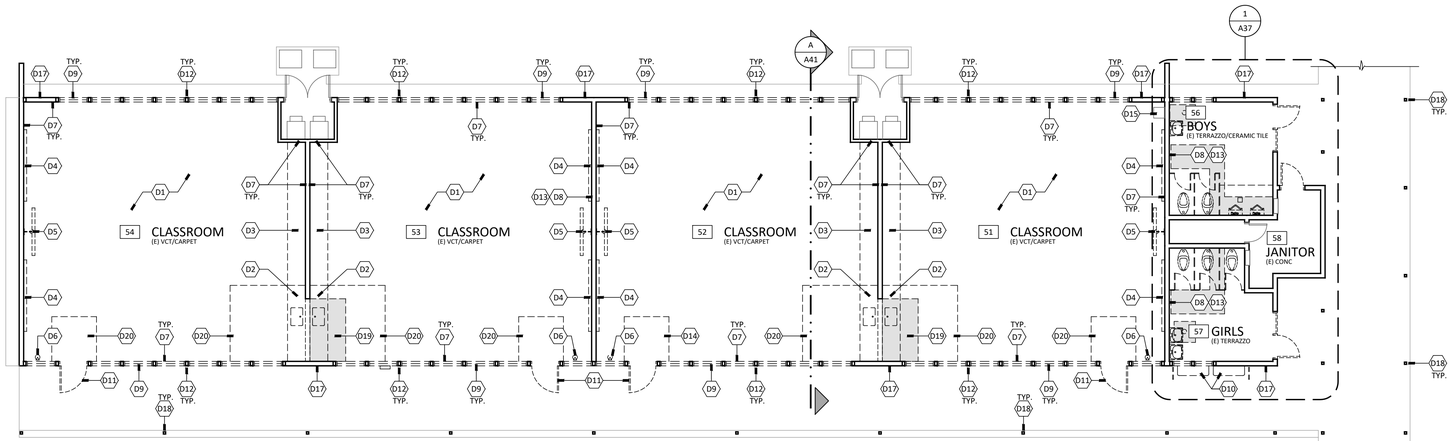
TITLE
BUILDING C
INTERIOR
ELEVATIONS

A35

PROJECT 24043

BUILDING C
INTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"



GENERAL DEMOLITION FLOOR PLAN NOTES:

1. VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK
2. PROTECT AREAS NOT IN SCOPE OF WORK
3. SEE STRUCTURAL, PLUMBING, MECHANICAL, & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
4. ALL FIRE ALARM, DATA, & MISCELLANEOUS ABANDONED EQUIPMENT & ABANDONED CONDUIT IS TO BE REMOVED, INCLUDING THOSE THAT ARE NOT CLEARLY VISIBLE

DEMO. FLOOR PLAN LEGEND:

- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED
- (E) 2x STUD WALL TO REMAIN
- (E) 2x STUD WALL TO BE REMOVED

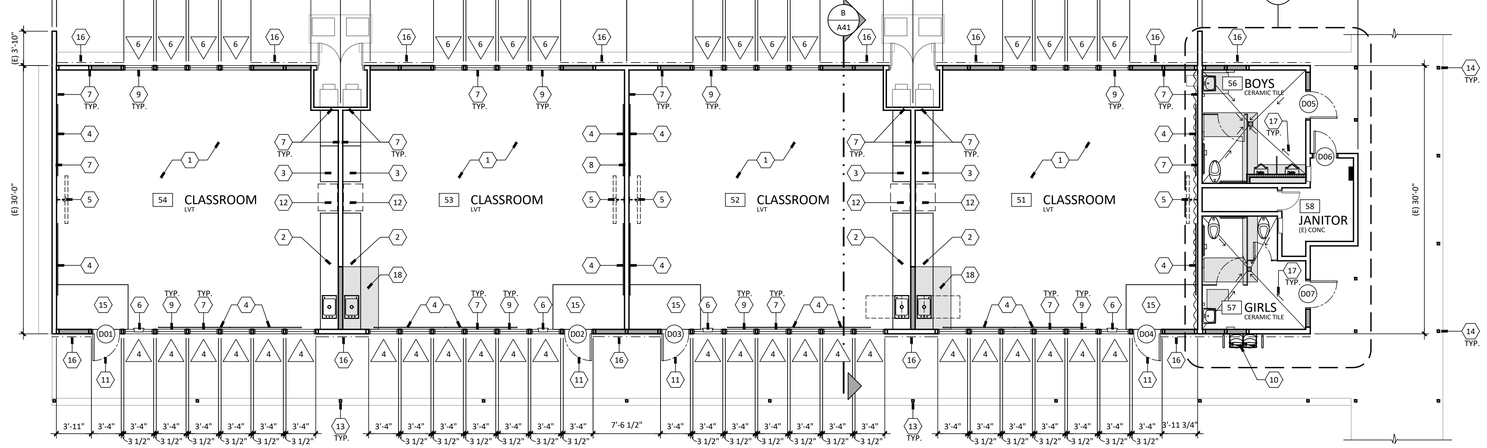
north

BUILDING D - DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) FLOOR FINISH & BASE, PREP FOR (N) FLOOR FINISH & BASE PER FLOOR PLAN
- D2 REMOVE (E) BASE CABINET, COUNTERTOP & SINK (WHERE OCCURS), SEE PLUMBING DWGS
- D3 REMOVE (E) FULL HEIGHT TYPE CABINET IN ITS ENTIRETY
- D4 REMOVE (E) MARKER BOARD, PREP FOR (N) MARKER BOARD PER FLOOR PLAN
- D5 TEMPORARILY REMOVE (E) SMARTBOARD MONITOR & PREP FOR REINSTALL PER FLOOR PLAN & INTERIOR ELEVATIONS
- D6 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER, SEE FLOOR PLAN FOR (N) RECESSED FIRE EXTINGUISHER & CABINET
- D7 REMOVE (E) WALL FINISHES (INCLUDING PLYWOOD SHEATHING WHERE OCCURS) TO EXPOSE STUD WALL FRAMING. PREP FOR (N) FINISHES o/ (E) STUD WALL FRAMING
- D8 REMOVE (E) WALL FINISHES TO EXPOSE PLYWOOD SHEAR WALL. PREP FOR (N) FINISHES o/ (E) PLYWOOD SHEAR WALL
- D9 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM PER FRAME SYSTEM PER FRAME SCHEDULE OR WALL INFILL PER FLOOR PLAN & INTERIOR ELEVATIONS. FOR WALL INFILL INFO, REFER TO STRUCTURAL DETAIL 43/S0.3
- D10 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. PREP FOR (N) DRINKING FOUNTAIN & GUARD RAILS PER FLOOR PLAN. COORDINATE w/ PLUMBING DWGS
- D11 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D12 (E) 4"x6" MULLION CONTINUOUS FROM SILL TO BEAM, PROTECT
- D13 LOCATION OF (E) SHEAR PANEL THIS SIDE OF WALL, PROTECT
- D14 REMOVE (E) WALK-OFF CARPET, PREP FOR (N)
- D15 (E) IDF, COORDINATE w/ ELECTRICAL DWGS
- D16 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER CABINET
- D17 LOCATION OF (E) SHEAR PANEL, PROTECT
- D18 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT
- D19 SAWCUT & REMOVE (E) CONCRETE SLAB (SHOWN SHADED) & PREP FOR (N) CONCRETE SLAB, COORDINATE w/ PLUMBING DWGS. NOTE, SHADING IS REPRESENTATIVE APPROXIMATE AREA OF DEMO. CONTRACTOR SHALL FIELD VERIFY (E) CONDITION AND COORDINATE WITH OTHER DISCIPLINES FOR EXTENT OF ACTUAL DEMO.
- D20 REMOVE (E) VCT FLOORING



GENERAL FLOOR PLAN NOTES:

1. FINISH ALL GYPSUM BOARD EDGES PER DETAIL 14/A60
2. REFER TO INTERIOR ELEVATIONS FOR TYP. ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS
3. REFER TO INTERIOR ELEVATIONS AND DOOR SCHEDULE FOR ALL ROOM AND BUILDING SIGNAGES
4. = MATERIAL DEFINITION, SEE FINISH SCHEDULE
5. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR ALL ROOM FINISHES
6. FOR WALL PENETRATIONS OF PIPE OR CONDUIT, REFER TO DETAIL 13/A60
7. FOR (N) CONC. SLAB TO (E) OR FOR (E) CONC. SLAB INFILL, SEE STRUCTURAL
8. FOR (N) CONC. CURB TO (E), SEE STRUCTURAL
9. PATCH & REPAIR ALL WALL FINISHES, FLOORING, & BASE AS NEEDED FOR A FINISHED FINAL RESULT
10. PROVIDE THERMAL BATT INSULATION AT ALL EXTERIOR WALLS FULL HEIGHT & SOUND BATT INSULATION AT INTERIOR STUD WALLS FULL HEIGHT. SEE SPECS. FOR ADDITIONAL INFORMATION
11. FOR TYPICAL STUD WALL INFILL FRAMING, SEE STRUCTURAL
12. FOR TYPICAL NEW OPENING FRAMING, SEE STRUCTURAL

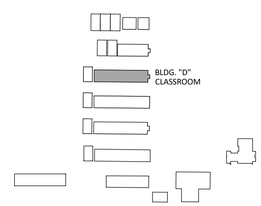
FLOOR PLAN LEGEND:

- (E) WOOD FRAMED WALL TO REMAIN, PROTECT
- 2x6 WOOD STUD @ 16" O.C.
- 2x4 WOOD STUD @ 16" O.C.
- RIGID SOUND BOARD & RESILIENT CHANNEL, SEE 4/A60
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- 48" / 30" INDICATES 30" x 48" CLEAR FL. SPACE
- # FRAME TYPE, SEE FRAME TYPE SCHEDULE
- # ROOM NUMBER, FLOOR FINISH MATERIAL

north

FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

1. FLOOR & BASE, SEE FINISH SCHEDULE
2. BASE CABINET, COUNTERTOP & ACCESS. SINK WITH BUBBLER, SEE DETAIL 13/A59
3. FULL HEIGHT TYPE CABINET, SEE INTERIOR ELEVATIONS
4. MARKER BOARD, SEE INTERIOR ELEVATIONS
5. REINSTALL (E) SMARTBOARD MONITOR, SEE INTERIOR ELEVATIONS
6. RECESSED FIRE EXTINGUISHER & CABINET
7. WALL FINISHES o/ (E) STUD WALL FRAMING ((N) WALL FRAMING WHERE OCCURS), SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES
8. WALL FINISHES o/ (E) PLYWOOD SHEAR WALL, SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES. IF REQUIRED TO ACCESS WALL TO INSATLL POWER/DATA, REMOVE (E) PLYWOOD SHEATHING AND REPLACE PER DEATIL 43/S0.2
9. ALUMINUM WINDOW FRAME PER FRAME SCHEDULE
10. DRINKING FOUNTAIN & GUARD RAILS, COORDINATE w/ EXTERIOR ELEVATIONS & PLUMBING DWGS. SEE DETAIL 21/A59
11. HOLLOW METAL DOOR IN (E) HOLLOW METAL FRAME, COORDINATE w/ DOOR SCHEDULE
12. LOCATION OF PORTABLE CHARGING STATION, N.I.C.
13. (E) PIPE COLUMN TO REMAIN, PAINT PER EXTERIOR ELEVATION & FINISH SCHEDULE
14. PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDINGS. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) PIPE COLUMNS
15. 5'-0" x 8'-0" WALK-OFF CARPET MAT AT ENTRY, SEE FINISH SCHEDULE. FLUSH w/ FINISH FLOOR.
16. DASH DOT DENOTES LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
17. SLOPE TO DRAIN, TYP.
18. 4" CONCRETE SLAB (SHOWN SHADED) TO FLUSH & MATCH (E), COORDINATE w/ PLUMBING & STRUCTURAL DWGS.



BUILDING SITE KEY

north

BUILDING D - FLOOR PLAN

SCALE: 1/8" = 1'-0"

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APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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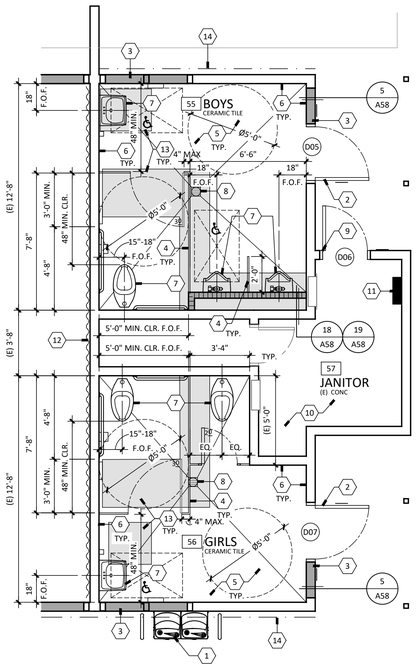
TITLE
BUILDING D
DEMO FLOOR PLAN,
FLOOR PLAN

A36

PROJECT 24043



ENLARGED FLOOR PLAN LEGEND

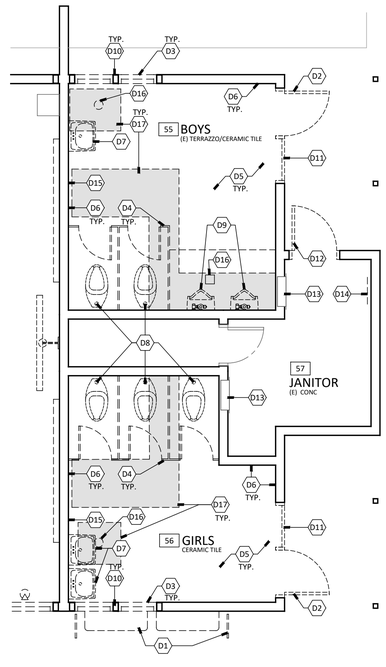
- (E) WOOD STUD WALL
- 2x6 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- 2x4 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- RIGID SOUND BOARD & RESILIENT CHANNEL, SEE 4/A60
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- INDICATES 30"x48" CLEAR W.C. SPACE
- INDICATES 5' DIAMETER FL. ROTATION SPACE

ENLARGED FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

1. DRINKING FOUNTAIN w/ GUARD RAILS PER PLUMBING DWGS & EXTERIOR ELEVATIONS
2. HOLLOW METAL DOOR & FRAME, COORDINATE w/ DOOR SCHEDULE
3. STUD WALL INFILL AT REMOVED WINDOWS/FRAMED METAL PANEL. FOR TYPICAL WALL INFILL, SEE STRUCTURAL
4. TOILET PARTITION, SEE SPECS. & INTERIOR ELEVATIONS
5. CERAMIC TILE FLOOR w/ COVED TILE BASED OVER (E) DEPRESSED SLAB. SEE FINISH SCHEDULE, SLOPE TO DRAIN
6. CERAMIC TILE WALL FINISH, SEE INTERIOR ELEVATIONS & FINISH SCHEDULE
7. PLUMBING FIXTURE PER PLUMBING DWGS., TYP.
8. FLOOR DRAIN, COORDINATE w/ PLUMBING DWGS
9. HOLLOW METAL DOOR IN (E) HOLLOW METAL FRAME, COORDINATE w/ DOOR SCHEDULE
10. (E) FLOOR, WALL, & CEILING FINISHES TO REMAIN, PROTECT. THIS ROOM ONLY, UNLESS OTHERWISE NOTED. COORDINATE w/ OTHER DISCIPLINES FOR PATCHWORK AS NEEDED TO ACCOMPLISH ELECTRICAL WORK
11. FIRE ALARM PANEL, COORDINATE w/ ELECTRICAL DWGS. PATCH & REPAIR WALL FINISHES TO FLUSH & MATCH (E)
12. RIGID SOUND BOARD AND RESILIENT CHANNEL, FULL HEIGHT TO BOTTOM OF ROOF DECK
13. 4" CONCRETE SLAB (SHOWN SHADED) TO FLUSH & MATCH (E), COORDINATE w/ PLUMBING & STRUCTURAL DWGS
14. DASH DOT DENOTES LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION

north

BUILDING D
2 ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"



ENLARGED DEMOLITION PLAN LEGEND

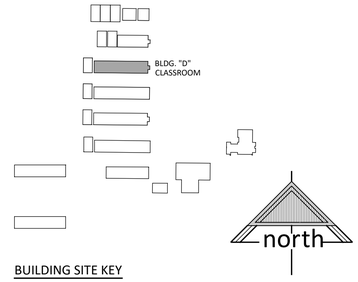
- (E) WOOD STUD WALL TO REMAIN
- (E) WALL TO BE REMOVED
- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED

ENLARGED DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. REPLACE w/ (N) DRINKING FOUNTAIN & GUARD RAILS PER FLOOR PLAN
- D2 REMOVE (E) HOLLOW METAL DOOR & FRAME. PREP FOR WALL INFILL PER FLOOR PLAN
- D3 REMOVE (E) STEEL FRAMED WINDOW & PREP FOR WALL INFILL PER FLOOR PLAN
- D4 REMOVE (E) FLOOR MOUNTED OVERHEAD BRACED TOILET PARTITIONS INCLUDING DOOR.
- D5 REMOVE (E) TERRAZZO FLOOR (& CERAMIC TILE FLOOR WHERE OCCURS) & MORTAR BED TO EXPOSE 1-3/4" DEPRESSED CONCRETE SLAB, PREP FOR (N) FLOORING PER FLOOR PLAN
- D6 REMOVE (E) CERAMIC TILE & MORTAR BED AT WALLS, TYP. SEE INTERIOR ELEVATIONS. (E) GYP. PLASTER ABOVE TILE WAINSCOT TO REMAIN, PROTECT. AT (E) SHEAR WALL LOCATION, PROTECT (E) PLYWOOD SHEAR WALL & PREP FOR (N) FINISHES o/ (E) PLYWOOD SHEAR WALL
- D7 REMOVE (E) WALL HUNG LAVATORY. COORDINATE w/ PLUMBING DWGS
- D8 REMOVE (E) WALL MOUNTED WATER CLOSET, COORDINATE w/ PLUMBING DWGS
- D9 REMOVE (E) SURFACE WALL MOUNTED URINAL & PLUMBING WALL IN ITS ENTIRETY. COORDINATE w/ PLUMBING DWGS
- D10 (E) 4"x6" MULLION CONTINUOUS FROM SILL TO BEAM, TYP., PROTECT
- D11 REMOVE (E) HOLLOW METAL FRAME & PANEL. PREP FOR (N) HOLLOW METAL DOOR & FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D12 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D13 ELECTRICAL PANEL, SEE ELECTRICAL DWGS
- D14 REMOVE (E) WALL FINISHES AS REQUIRED FOR INSTALL OF FIRE ALARM PANEL, COORDINATE w/ ELECTRICAL DWGS
- D15 LOCATION OF SHEAR PANEL THIS SIDE OF WALL, PROTECT
- D16 REMOVE (E) FLOOR DRAIN, COORDINATE (N) FLOOR DRAIN w/ PLUMBING DWGS
- D17 SAWCUT & REMOVE (E) CONCRETE SLAB (SHOWN SHADED) & PREP FOR (N) CONCRETE SLAB, COORDINATE w/ PLUMBING DWGS.
  NOTE, SHADING IS REPRESENTATIVE APPROXIMATE AREA OF DEMO. CONTRACTOR SHALL FIELD VERIFY (E) CONDITION AND COORDINATE WITH OTHER DISCIPLINES FOR EXTENT OF ACTUAL DEMO.

north

BUILDING D
1 ENLARGED DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"



BUILDING SITE KEY

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

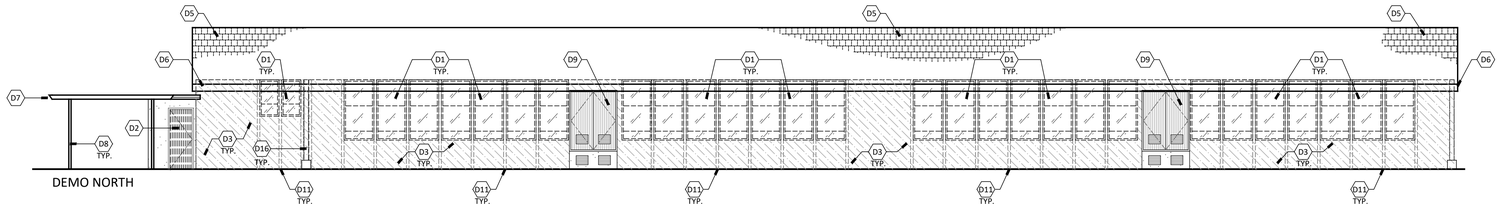
REVISIONS

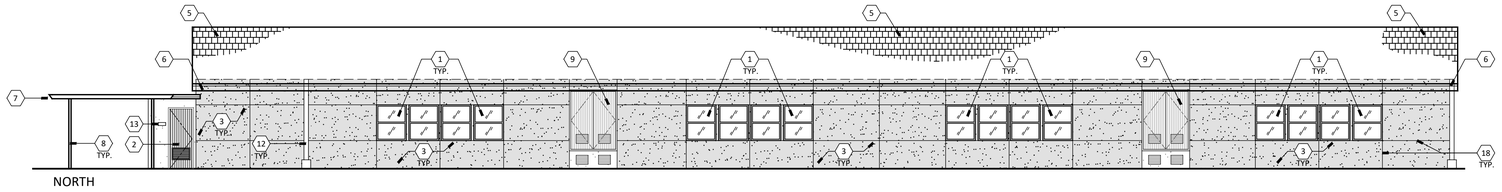
MANGINI ARCHITECTURE INGENUITY.
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

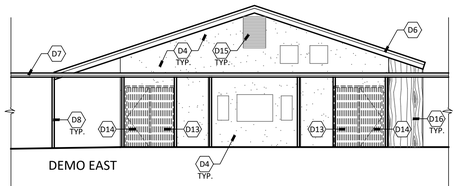
TITLE
BUILDING D
ENLARGED DEMO
FLOOR PLAN,
ENLARGED FLOOR PLAN

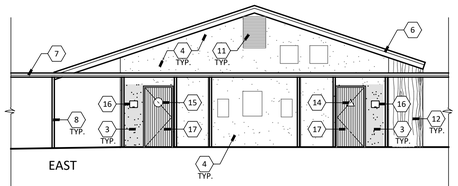
A37

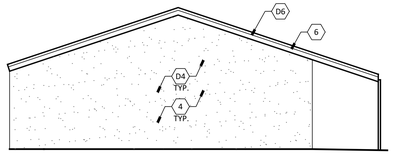
PROJECT 24043

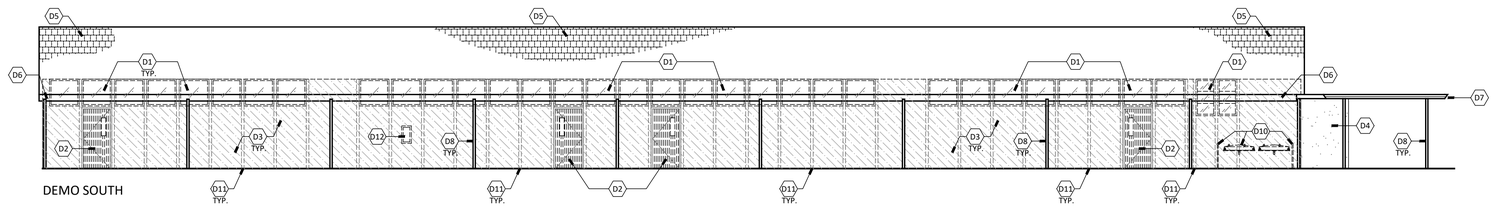


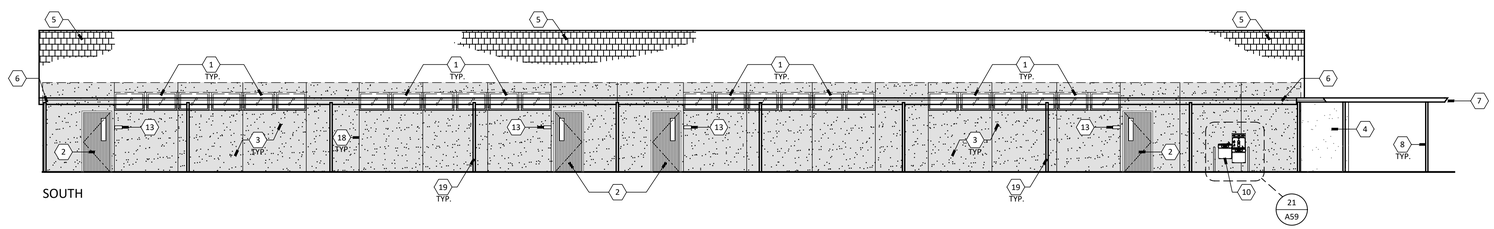












BUILDING D
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

DEMO. EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM OR STUD WALL INFILL WHERE OCCURS PER FLOOR PLAN & FRAME TYPE SCHEDULE
- D2 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D3 REMOVE (E) CEMENT PLASTER SYSTEM, THIS WALL (SHOWN DASHED), TO EXPOSE PLYWOOD SHEATHING. COORDINATE PLYWOOD SHEAR WALL LOCATIONS WITH STRUCTURAL DRAWINGS. PREP FOR (N) CEMENT PLASTER SYSTEM o/ (E) PLYWOOD SHEATHING. (N) SHEATHING WHERE OCCURS.
- D4 (E) PLASTER, PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT
- D5 REMOVE (E) COMP. SHINGLE ROOF, PREP FOR (N) COMP. SHINGLE PER ROOF PLAN
- D6 (E) FASCIA TO REMAIN, PROTECT. PREP FOR PAINT
- D7 (E) FASCIA & METAL DRIP EDGE AT CORRIDOR TO REMAIN, PROTECT. PREP FOR PAINT
- D8 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT
- D9 (E) MECHANICAL DOORS WITH LOUVERS TO REMAIN, PROTECT. PREP DOOR & FRAME FOR PAINT
- D10 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. PREP FOR (N) DRINKING FOUNTAIN & GUARD RAILS. COORDINATE w/ PLUMBING DWGS
- D11 (E) 4 x 6 POST INSIDE WALL TO REMAIN, PROTECT
- D12 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER CABINET
- D13 REMOVE (E) HOLLOW METAL FRAME & PANEL. PREP FOR (N) HOLLOW METAL DOOR & FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D14 REMOVE (E) HOLLOW METAL DOOR & FRAME. PREP FOR WALL INFILL PER FLOOR PLAN
- D15 (E) 42"x30" REMOVABLE VENTILATING LOUVER TO REMAIN, PROTECT. PREP FOR PAINT
- D16 (E) WOOD FINISH TO REMAIN, PREP FOR PAINT
- D17 (E) DOOR & FRAME TO REMAIN, PROTECT. PREP FOR PAINT

EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

1. ALUMINUM WINDOW FRAME WITH GLAZING IN (E) OPNG. PER FLOOR PLAN & FRAME SCHEDULE
2. HOLLOW METAL DOOR IN (E) FRAME, SEE DOOR SCHEDULE
3. CEMENT PLASTER SYSTEM o/ (E) PLYWOOD SHEATHING, SHOWN SHADED. (N) SHEATHING WHERE OCCURS. INFILL WALL OPENING w/ STUDS TO FLUSH & MATCH (E) AT REMOVED DOOR & WINDOW LOCATIONS. PAINT WALL (b)
4. (E) CEMENT PLASTER WITH NEW SKIM COAT FINISH, PAINT (b)
5. COMP. SHINGLE ROOF, SEE ROOF PLAN (d)
6. (E) FASCIA TO REMAIN, PAINT (c)
7. (E) FASCIA & METAL DRIP EDGE AT CORRIDOR, PAINT. FULL EXTENT OF CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF CORRIDOR FASCIA (c)
8. (E) PIPE COLUMN TO REMAIN, PROTECT. PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDINGS. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY EXTENT OF (E) PIPE COLUMNS (c)
9. (E) MECHANICAL DOORS WITH LOUVERS TO REMAIN, PAINT (b)
10. DRINKING FOUNTAIN w/ GUARD RAILS, COORDINATE w/ PLUMBING DWGS
11. (E) REMOVABLE VENTILATING LOUVER , PAINT (b)
12. (E) WOOD FINISH TO REMAIN, PAINT (b)
13. TYPE "B2" ROOM SIGN. SEE DOOR SCHEDULE
14. TYPE 'A1' SIGN, SEE DOOR SCHEDULE
15. TYPE 'A2' SIGN, SEE DOOR SCHEDULE
16. TYPE 'A4 SIGN, SEE DOOR SCHEDULE
17. HOLLOW METAL DOOR & FRAME, SEE DOOR SCHEDULE
18. PLASTER CONTROL SCREED, SEE 21/A58
19. (E) PIPE COLUMN TO REMAIN, PROTECT. PAINT (c)
20. (E) DOOR & FRAME TO REMAIN, PAINT PER DOOR SCHEDULE

APPROVALS

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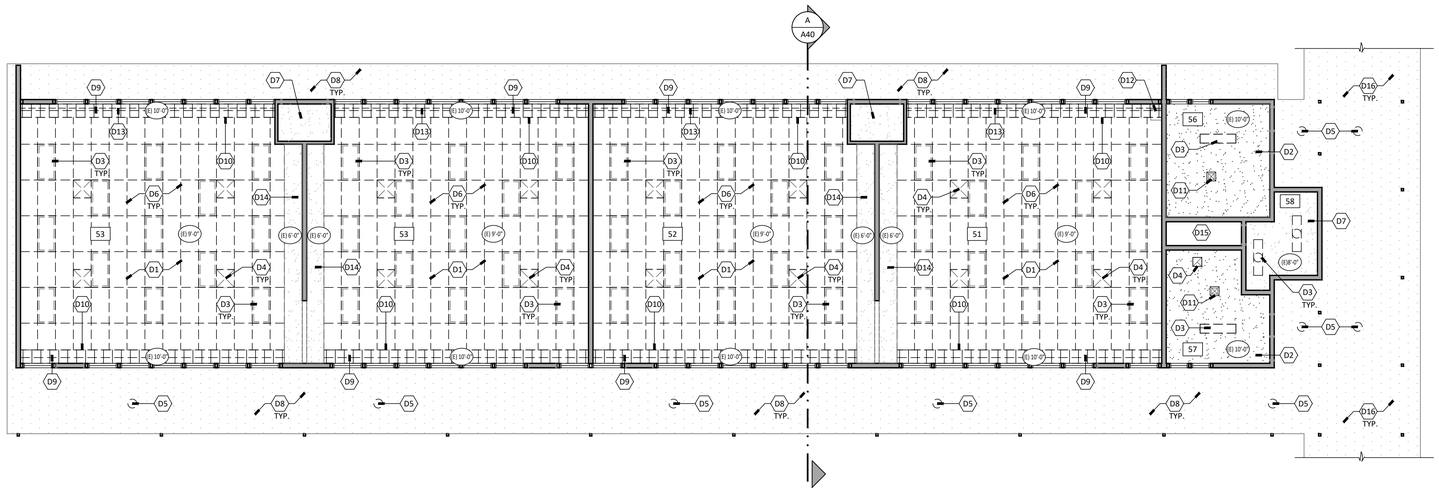
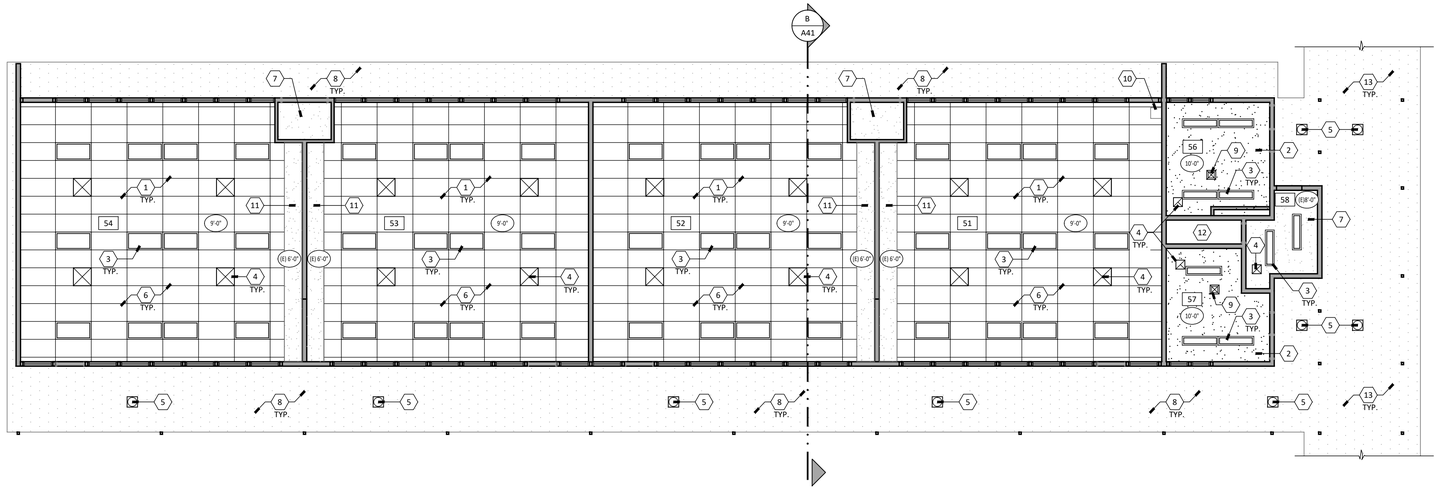
TITLE
BUILDING D
EXTERIOR
ELEVATIONS

A38

PROJECT 24043



BUILDING D
DEMOLITION REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



BUILDING D
REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION
REFLECTED CEILING PLAN KEYNOTES, THIS SHEET ONLY:

D1 REMOVE (E) T-BAR CEILING GRID & PANEL SYSTEM, PREP FOR (N) SUSPENDED SYSTEM PER REFLECTED CEILING PLAN

D2 REMOVE (E) CEMENT PLASTER CEILING & PREP FOR (N) CEILING LAYOUT PER REFLECTED CEILING PLAN

D3 REMOVE (E) LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS.

D4 REMOVE (E) MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS

D5 REMOVE (E) EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS

D6 REMOVE (E) BATT. INSULATION AT CEILING LINE

D7 (E) CEILING TO REMAIN, PROTECT

D8 (E) CEMENT PLASTER AT OVERHANG TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT

D9 REMOVE (E) 12" x 12" GLUE-UP CEILING TILES, BACKING, & CEILING FRAMING

D10 REMOVE (E) VERTICAL ANGLED LAY-IN CEILING SYSTEM, TYP.

D11 REMOVE (E) TRANSFER GRILLE. COORDINATE w/ MECHANICAL DWGS

D12 (E) IDF, COORDINATE w/ ELECTRICAL DWGS

D13 REMOVE (E) CURTAIN/SHADE SYSTEM IN ITS ENTIRETY

D14 (E) CEILING AT CABINET ALCOVE TO REMAIN, PREP FOR PAINT

D15 (E) PLUMBING CHASE, SEE PLUMBING DWGS

D16 (E) CEMENT PLASTER AT CORRIDOR TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT.

REFLECTED CEILING PLAN LEGEND:

(E) CEMENT PLASTER SOFFIT/OVERHANG SYSTEM

GYP. BD. CEILING TEXTURED & PAINTED

2' x 4' SUSPENDED CEILING GRID SYSTEM

x'-x" ELEVATION ABOVE FINISH FLOOR LEVEL

(E) GYP. BD. CEILING

REFLECTED CEILING PLAN KEYNOTES THIS SHEET ONLY:

1 SUSPENDED CEILING SYSTEM GRID & PANELS, FOR ADDITIONAL INFORMATION, SEE SECTIONS & DETAIL 1/A62 1/A63

2 5/8" TYPE 'X' GYP. BD. CEILING o/ (E) FRAMING

3 LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS

4 MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS

5 EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS. PATCH & REPAIR CEMENT PLASTER AS REQUIRE FOR INSTALL OF (N) RECESSED FIXTURE

6 R-30 BATT INSULATION AT ROOFLINE, SEE SECTIONS

7 (E) CEILING TO REMAIN, PROTECT. NO WORK IN THIS AREA, U.O.N.

8 (E) CEMENT PLASTER AT OVERHANG WITH NEW SKIM COAT FINISH, PAINT b

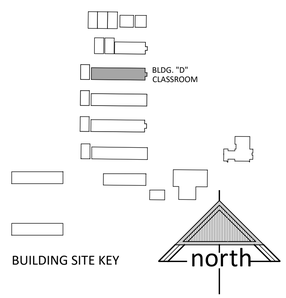
9 TRANSFER GRILLE, COORDINATE w/ MECHANICAL DWGS

10 IDF, COORDINATE w/ ELECTRICAL DWGS

11 (E) CEILING AT CABINET ALCOVE TO REMAIN, PROTECT. PAINT b

12 (E) PLUMBING CHASE, SEE PLUMBING DWGS

13 (E) CEMENT PLASTER AT CORRIDOR WITH NEW SKIM COAT FINISH, PAINT b FULL EXTENT OF (E) CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) CORRIDOR.



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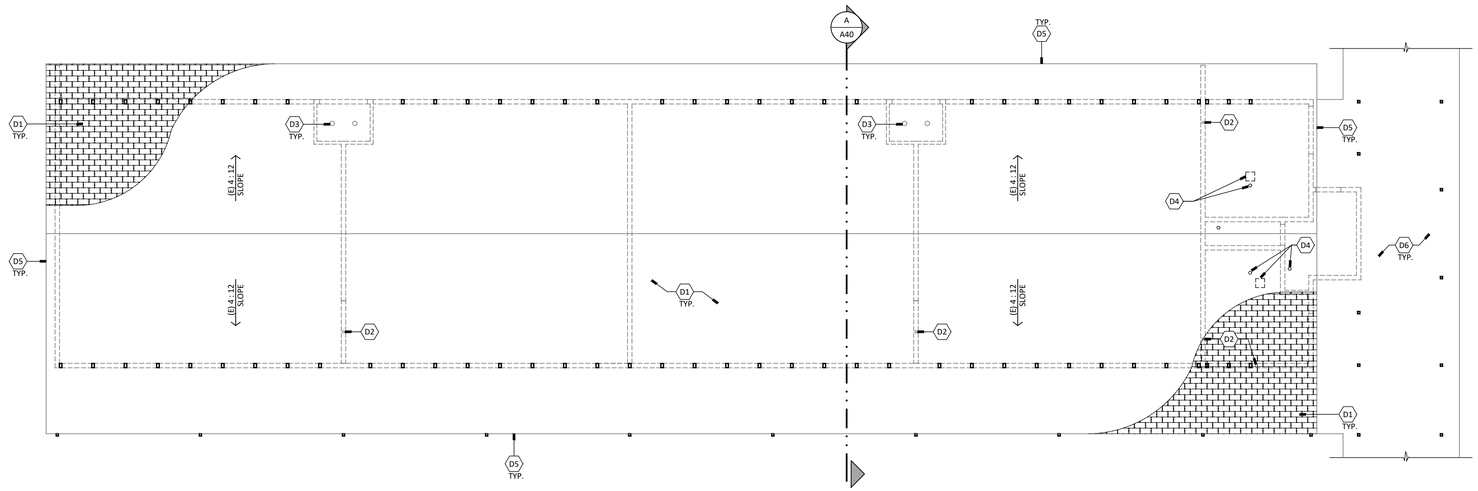
TITLE
BUILDING D DEMO
REFLECTED CEILING
PLAN, REFLECTED
CEILING PLAN

A39

PROJECT 24043

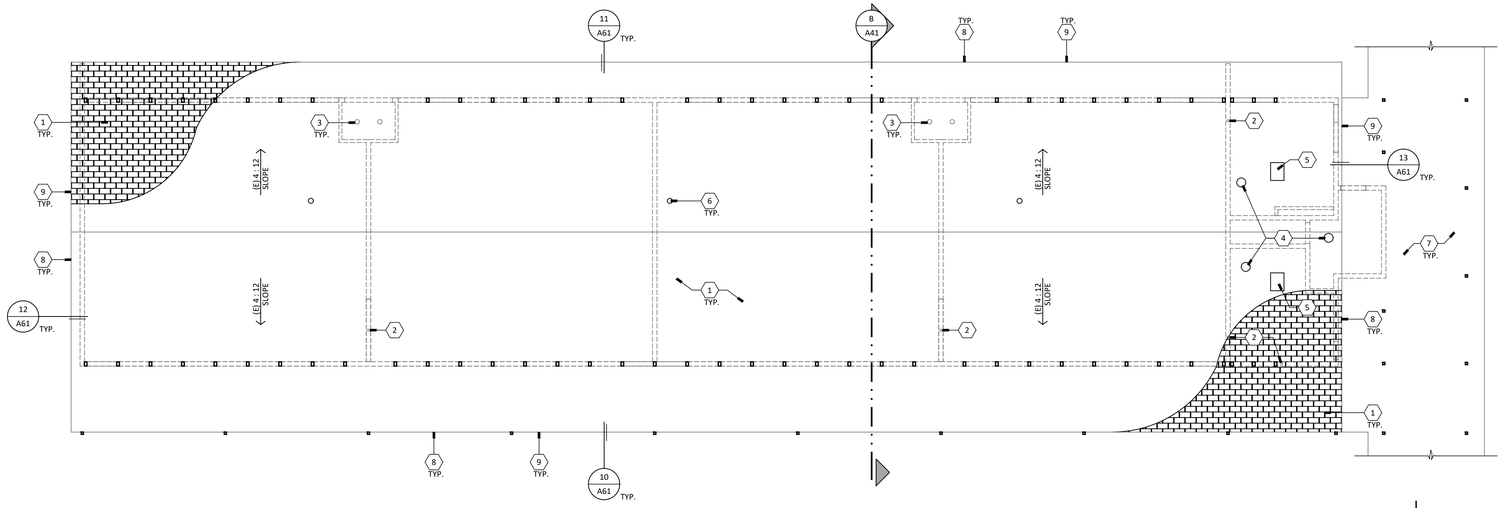


BUILDING D
DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION
ROOF PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) COMP. SHINGLE ROOFING TO EXPOSE (E) PLYWOOD SHEATHING. PREP FOR (N) COMP. SHINGLE ROOFING o/ (E) PLYWOOD SHEATHING PER ROOF PLAN
- D2 (E) PIPE VENT TO REMAIN, PROTECT. COORDINATE w/ PLUMBING DWGS
- D3 (E) ROOF VENTS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS
- D4 REMOVE (E) ROOF VENTS AND PREPARE FOR (N) ROOF VENTS, COORDINATE w/ MECHANICAL DWGS
- D5 REMOVE (E) METAL FLASHING, PREP FOR (N)
- D6 (E) ROOFING AT CORRIDOR TO REMAIN, PROTECT

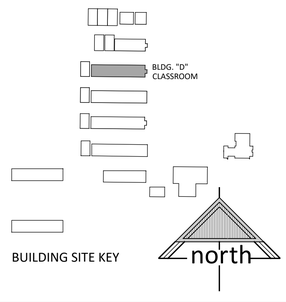


BUILDING D
ROOF PLAN

SCALE: 1/8" = 1'-0"

ROOF PLAN KEYNOTES THIS SHEET ONLY:

1. CLASS 'A' ASPHALT SHINGLE ROOFING SYSTEM o/ (E) PLYWOOD SHEATHING (d)
2. (E) PIPE VENT TO REMAIN, PROTECT. COORDINATE w/ PLUMBING DWGS
3. (E) ROOF VENTS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS
4. ROOF EXHAUST FANS, COORDINATE w/ MECHANICAL DWGS
5. GRAVITY VENTILATOR CAP, COORDINATE w/ MECHANICAL DWGS
6. HOSE BIBB, COORDINATE w/ PLUMBING DWGS
7. (E) CORRIDOR ROOFING TO REMAIN, PROTECT
8. 3-1/2" DEEP PRE-FINISHED FLASHING (g)
9. (E) FASCIA BOARD, PAINT (c)



BUILDING SITE KEY

APPROVALS

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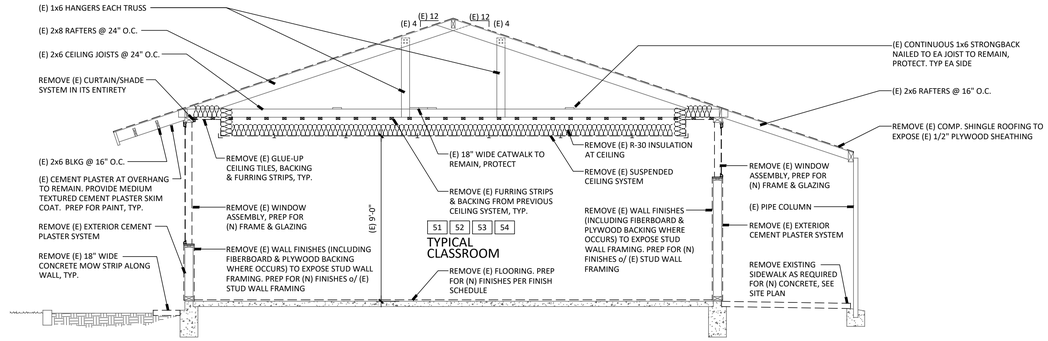
TITLE
BUILDING D
DEMO ROOF
PLAN,
ROOF PLAN

A40

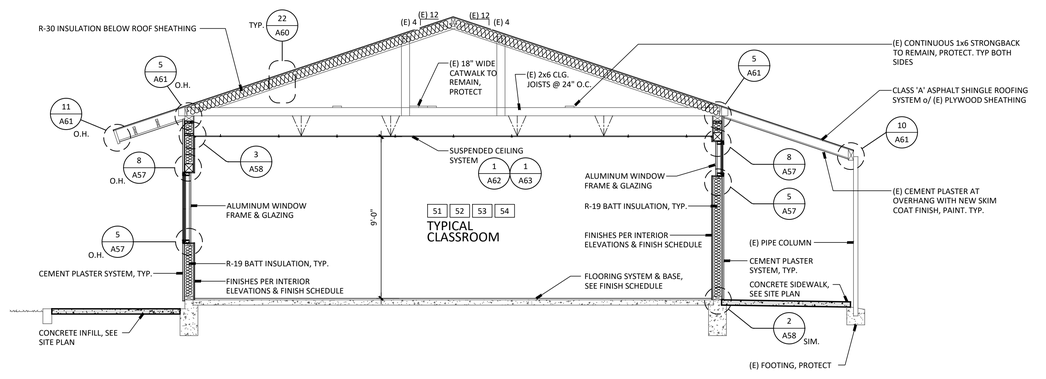
PROJECT 24043



BUILDING D

A DEMOLITION BUILDING SECTION

SCALE: 1/4" = 1'-0"



BUILDING D

B BUILDING SECTION

SCALE: 1/4" = 1'-0"

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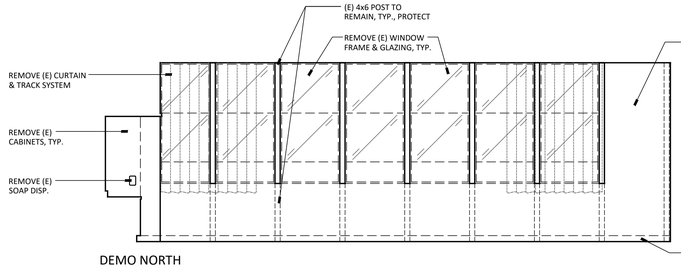
TITLE
BUILDING D SECTIONS

A41

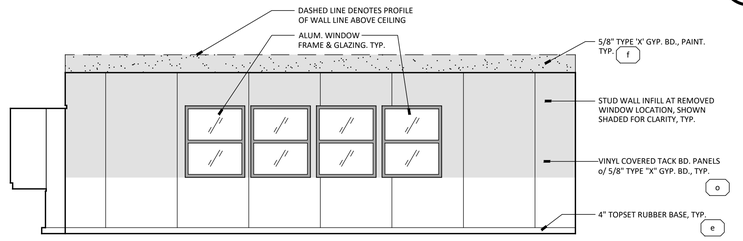
PROJECT 24043

TYPICAL NOTES :

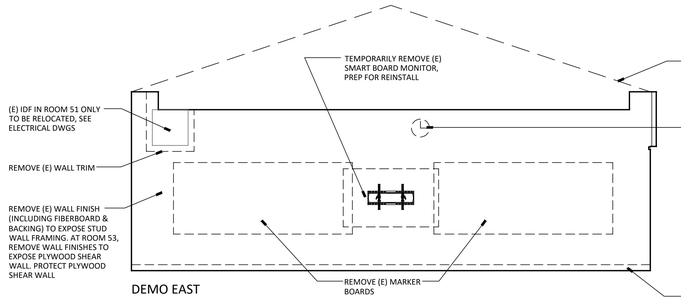
1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
6. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
10. = A.D.A. ACCESSIBLE, SEE CABINET DETAIL 13/A59
11. FOR SIGN TEXT REFER TO DOOR SCHEDULE. FOR TYPES AND LOCATION SEE DETAIL 21/A55
12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
13. FOR TV & SMART BOARD MONITOR BRACKET BLOCKING & ATTACHMENT SEE DETAIL 11/A59
14. FOR TYPICAL FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTING, SEE DETAILS 15/A59
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54



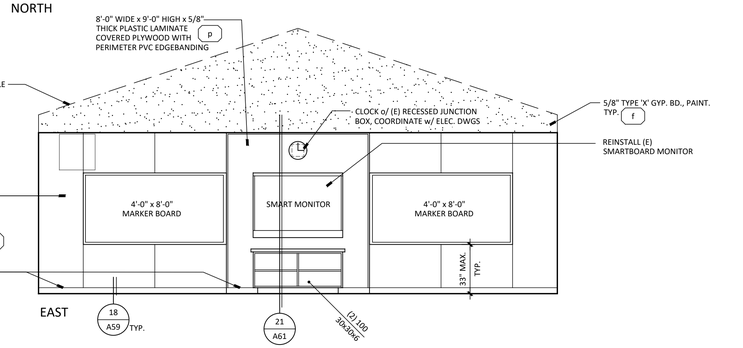
DEMO NORTH



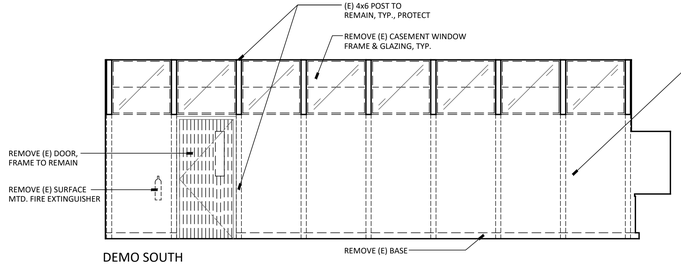
NORTH



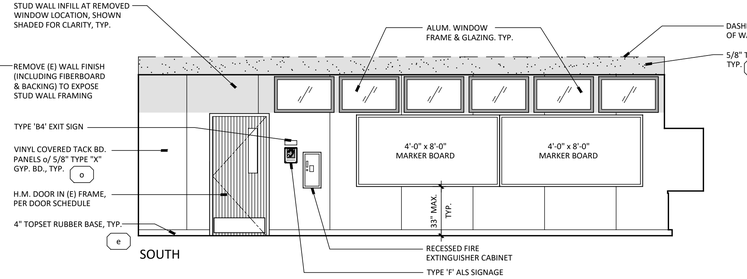
DEMO EAST



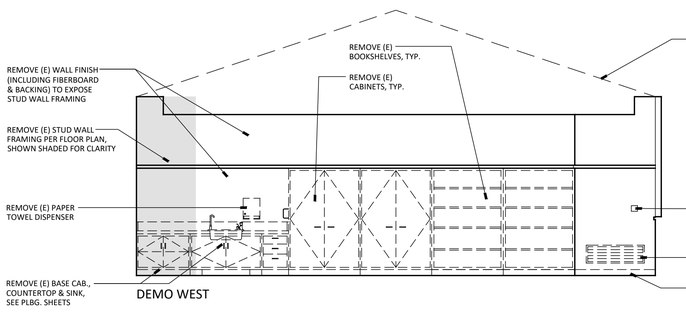
EAST



DEMO SOUTH



SOUTH



DEMO WEST

WEST

51 CLASSROOM (53 SIM.)

BUILDING D
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-1926 Office
(559) 627-1926 Fax

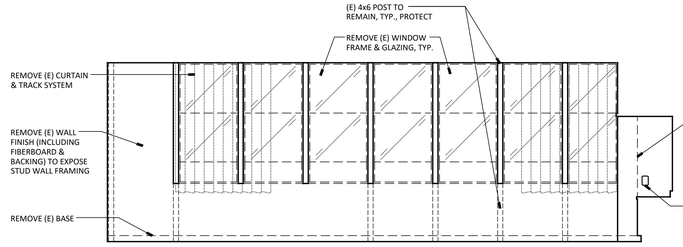
TITLE
BUILDING D
INTERIOR
ELEVATIONS

A42

PROJECT 24043

TYPICAL NOTES :

1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
6. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
10. ♿ = A.D.A. ACCESSIBLE, SEE CABINET DETAIL 13/A59
11. FOR SIGN TEXT REFER TO DOOR SCHEDULE. FOR TYPES AND LOCATION SEE DETAIL 21/A55
12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
13. FOR TV & SMART BOARD MONITOR BRACKET BLOCKING & ATTACHMENT SEE DETAIL 11/A59
14. FOR TYPICAL FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTING, SEE DETAILS 15/A59
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54



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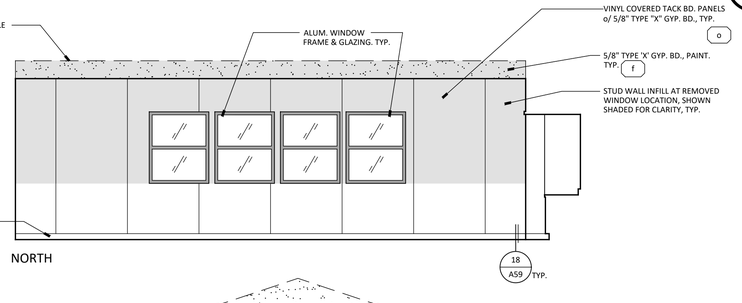

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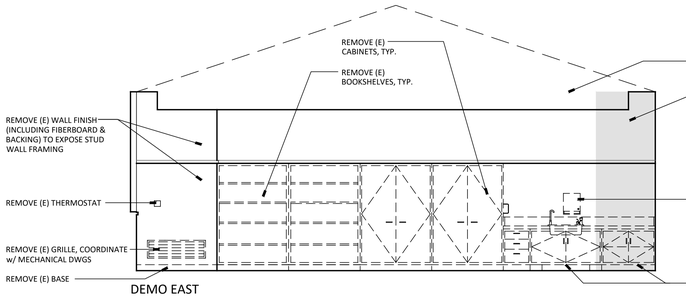

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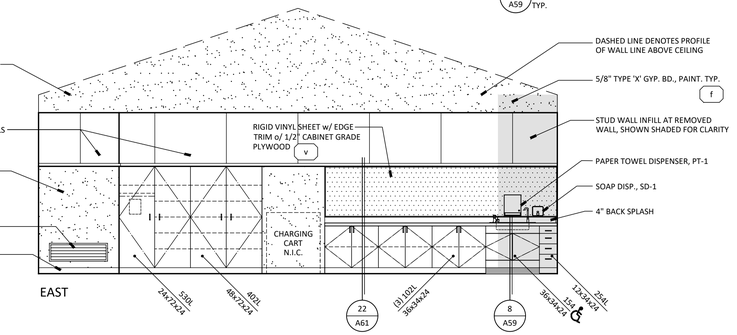

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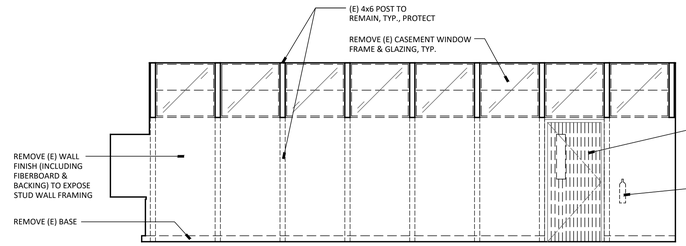
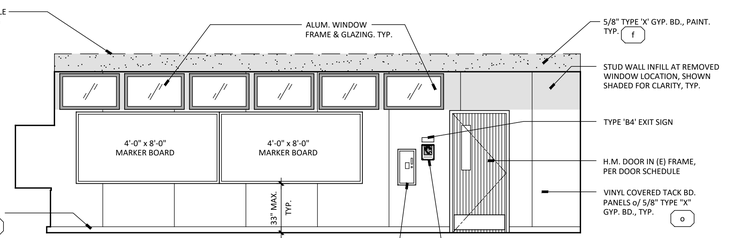


DEMO SOUTH



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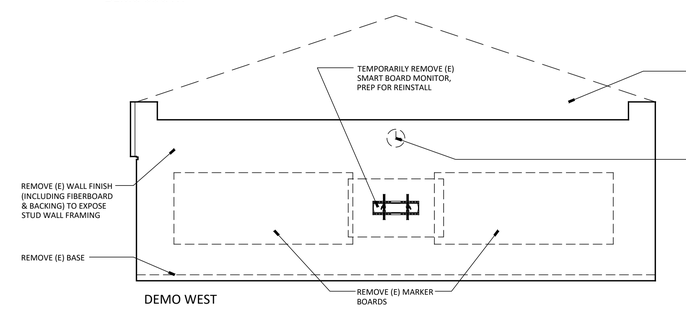
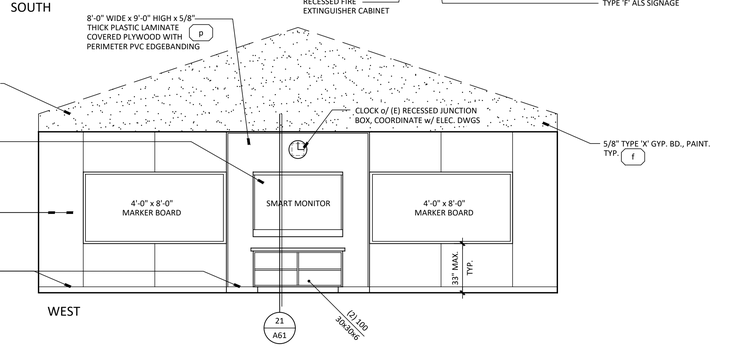


DEMO WEST



WEST

52 CLASSROOM (54 SIM.)

BUILDING D
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

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(559) 627-1926 Fax

TITLE
BUILDING D
INTERIOR
ELEVATIONS

A43

PROJECT 24043

TYPICAL NOTES :

1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
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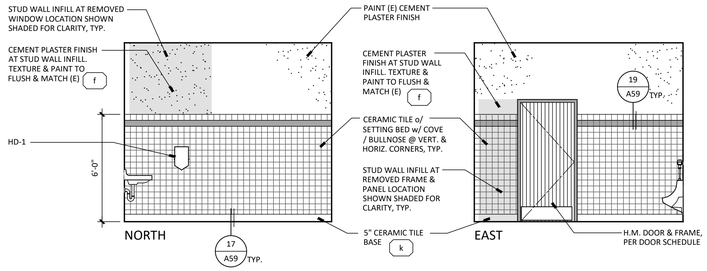
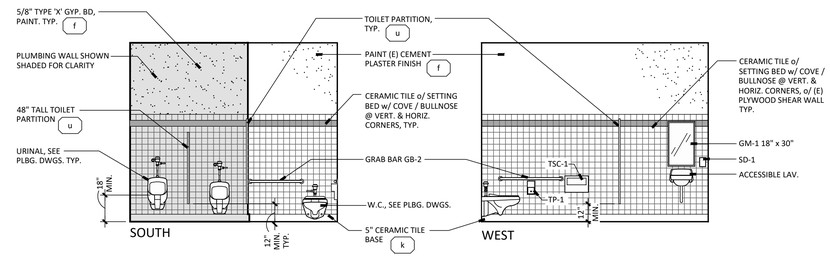
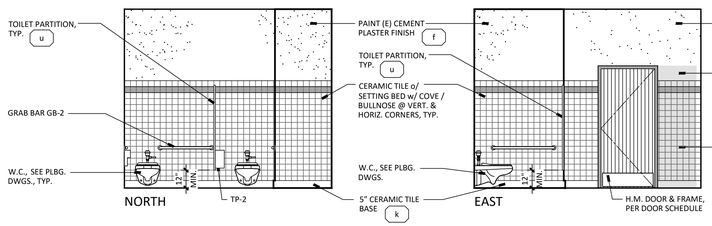
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
10. ♿ = A.D.A. ACCESSIBLE, SEE CABINET DETAIL 13/A59
11. FOR SIGN TEXT REFER TO DOOR SCHEDULE. FOR TYPES AND LOCATION SEE DETAIL 21/A55
12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
13. FOR TV & SMART BOARD MONITOR BRACKET BLOCKING & ATTACHMENT SEE DETAIL 11/A59
14. FOR TYPICAL FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTING, SEE DETAILS 15/A59
15. FOR GRAB BAR ANCHORAGE AT TOILETS, SEE DETAIL 15/A60
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54

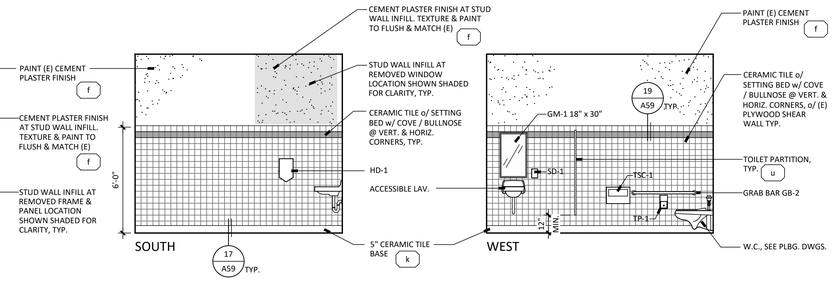




55 BOYS

REFER TO 16/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - AGE GROUP 9-12





56 GIRLS

REFER TO 16/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - AGE GROUP 9-12

BUILDING D
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

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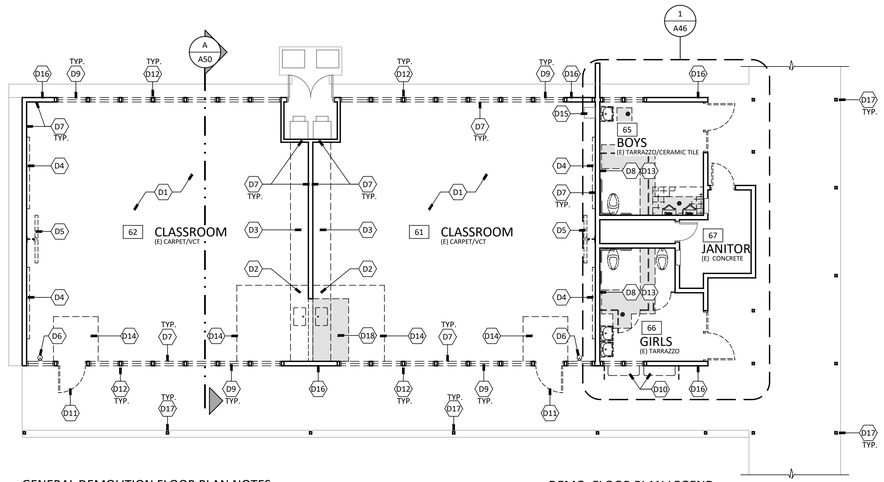
TITLE
BUILDING D
INTERIOR
ELEVATIONS

A44

PROJECT 24043



GENERAL DEMOLITION FLOOR PLAN NOTES:

1. VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK
2. PROTECT AREAS NOT IN SCOPE OF WORK
3. SEE STRUCTURAL, PLUMBING, MECHANICAL, & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
4. ALL FIRE ALARM, DATA, & MISCELLANEOUS ABANDONED EQUIPMENT & ABANDONED CONDUIT IS TO BE REMOVED, INCLUDING THOSE THAT ARE NOT CLEARLY VISIBLE

DEMO. FLOOR PLAN LEGEND:

- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED
- (E) 2x STUD WALL TO REMAIN
- (E) 2x STUD WALL TO BE REMOVED

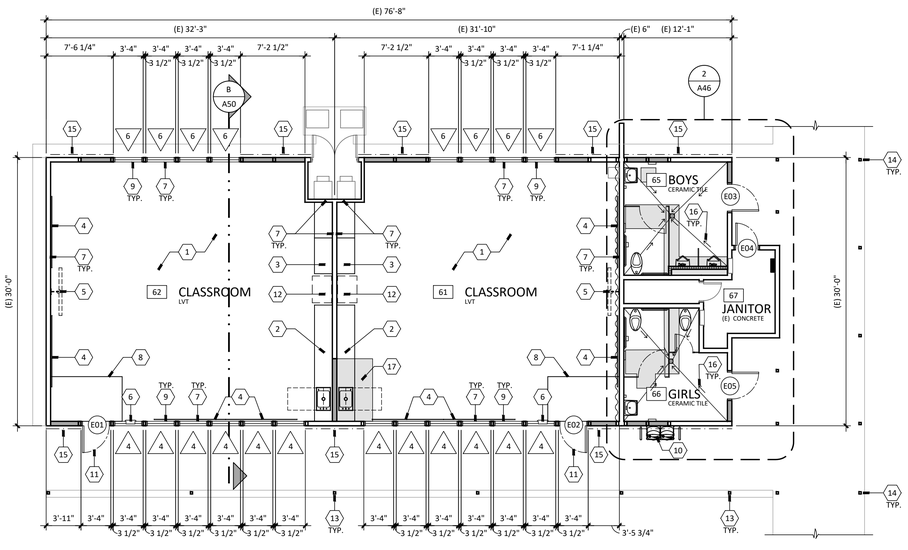
north

DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) FLOOR FINISH & BASE, PREP FOR (N) FLOOR FINISH & BASE PER FLOOR PLAN
- D2 REMOVE (E) BASE CABINET, COUNTERTOP & SINK (WHERE OCCURS), SEE PLUMBING DWGS
- D3 REMOVE (E) FULL HEIGHT TYPE CABINET IN ITS ENTIRETY
- D4 REMOVE (E) MARKER BOARD, PREP FOR (N) MARKER BOARD PER FLOOR PLAN
- D5 TEMPORARILY REMOVE (E) SMARTBOARD MONITOR & PREP FOR REINSTALL PER FLOOR PLAN & INTERIOR ELEVATIONS
- D6 REMOVE (E) SURFACE MOUNTED FIRE EXTINGUISHER, SEE FLOOR PLAN FOR (N) RECESSED FIRE EXTINGUISHER & CABINET
- D7 REMOVE (E) WALL FINISHES (INCLUDING PLYWOOD SHEATHING WHERE OCCURS) TO EXPOSE STUD WALL FRAMING. PREP FOR (N) FINISHES o/ (E) STUD WALL FRAMING
- D8 REMOVE (E) WALL FINISHES TO EXPOSE PLYWOOD SHEAR WALL. PREP FOR (N) FINISHES o/ (E) PLYWOOD SHEAR WALL
- D9 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM PER FRAME SYSTEM PER FRAME SCHEDULE OR WALL INFILL PER FLOOR PLAN & INTERIOR ELEVATIONS. FOR WALL INFILL INFO, REFER TO STRUCTURAL DETAIL 43/S0.3
- D10 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. PREP FOR (N) DRINKING FOUNTAIN & GUARD RAILS PER FLOOR PLAN. COORDINATE w/ PLUMBING DWGS
- D11 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D12 (E) 4"x6" MULLION CONTINUOUS FROM SILL TO BEAM, PROTECT
- D13 LOCATION OF (E) SHEAR PANEL THIS SIDE OF WALL, PROTECT
- D14 REMOVE (E) VCT FLOORING
- D15 (E) IDF, COORDINATE w/ ELECTRICAL DWGS
- D16 LOCATION OF (E) SHEAR PANEL, PROTECT
- D17 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT
- D18 SAWCUT & REMOVE (E) CONCRETE SLAB (SHOWN SHADED) & PREP FOR (N) CONCRETE SLAB, COORDINATE w/ PLUMBING DWGS.
  NOTE, SHADING IS REPRESENTATIVE APPROXIMATE AREA OF DEMO. CONTRACTOR SHALL FIELD VERIFY (E) CONDITION AND COORDINATE WITH OTHER DISCIPLINES FOR EXTENT OF ACTUAL DEMO.

BUILDING E - DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"



GENERAL FLOOR PLAN NOTES:

1. FINISH ALL GYPSUM BOARD EDGES PER DETAIL 14/A60
2. REFER TO INTERIOR ELEVATIONS FOR TYP. ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS
3. REFER TO INTERIOR ELEVATIONS AND DOOR SCHEDULE FOR ALL ROOM AND BUILDING SIGNAGES
4. = MATERIAL DEFINITION, SEE FINISH SCHEDULE
5. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR ALL ROOM FINISHES
6. FOR WALL PENETRATIONS OF PIPE OR CONDUIT, REFER TO DETAIL 13/A60
7. FOR (N) CONC. SLAB TO (E) OR FOR (E) CONC. SLAB INFILL, SEE STRUCTURAL
8. FOR (N) CONC. CURB TO (E), SEE STRUCTURAL
9. PATCH & REPAIR ALL WALL FINISHES, FLOORING, & BASE AS NEEDED FOR A FINISHED FINAL RESULT
10. PROVIDE THERMAL BATT INSULATION AT ALL EXTERIOR WALLS FULL HEIGHT & SOUND BATT INSULATION AT INTERIOR STUD WALLS FULL HEIGHT. SEE SPECS. FOR ADDITIONAL INFORMATION
11. FOR TYPICAL STUD WALL INFILL FRAMING, SEE STRUCTURAL
12. FOR TYPICAL NEW OPENING FRAMING, SEE STRUCTURAL

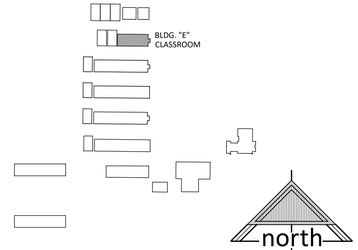
FLOOR PLAN LEGEND:

- (E) WOOD FRAMED WALL TO REMAIN, PROTECT
- 2x6 WOOD STUD @ 16" O.C.
- 2x4 WOOD STUD @ 16" O.C.
- RIGID SOUND BOARD & RESILIENT CHANNEL, SEE 4/A60
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- 48" / 30" INDICATES 30" x 48" CLEAR FL. SPACE
- # FRAME TYPE, SEE FRAME TYPE SCHEDULE
- # ROOM NUMBER, FLOOR FINISH MATERIAL

north

FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

1. FLOOR & BASE, SEE FINISH SCHEDULE
2. BASE CABINET, COUNTERTOP & ACCESS. SINK WITH BUBBLER, SEE DETAIL 13/A59
3. FULL HEIGHT TYPE CABINET, SEE INTERIOR ELEVATIONS
4. MARKER BOARD, SEE INTERIOR ELEVATIONS
5. REINSTALL (E) SMARTBOARD MONITOR, SEE INTERIOR ELEVATIONS
6. RECESSED FIRE EXTINGUISHER & CABINET
7. WALL FINISHES o/ (E) STUD WALL FRAMING ((N) WALL FRAMING WHERE OCCURS), SEE INTERIOR ELEVATIONS & ROOM FINISH SCHEDULE. ALL RECEPTACLES & DEVICES SHALL BE FLUSH w/ (N) WALL FINISH. COORDINATE w/ OTHER DISCIPLINES
8. 5'-0" x 8'-0" WALK-OFF CARPET MAT AT ENTRY, SEE FINISH SCHEDULE. FLUSH w/ FINISH FLOOR, TYP.
9. ALUMINUM WINDOW FRAME PER FRAME SCHEDULE
10. DRINKING FOUNTAIN & GUARD RAILS, COORDINATE w/ EXTERIOR ELEVATIONS & PLUMBING DWGS. SEE DETAIL 21/A59
11. HOLLOW METAL DOOR IN (E) HOLLOW METAL FRAME, COORDINATE w/ DOOR SCHEDULE
12. LOCATION OF PORTABLE CHARGING STATION, N.I.C.
13. (E) PIPE COLUMN TO REMAIN, PAINT PER EXTERIOR ELEVATIONS & FINISH SCHEDULE
14. PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDINGS. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) PIPE COLUMNS
15. DASH DOT DENOTES LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
16. SLOPE TO DRAIN, TYP.
17. 4" CONCRETE SLAB (SHOWN SHADED) TO FLUSH & MATCH (E), COORDINATE w/ PLUMBING & STRUCTURAL DWGS.



BUILDING SITE KEY

north

BUILDING E - FLOOR PLAN

SCALE: 1/8" = 1'-0"

F:\01 projects\24043\Drawings\01 architectural\03 sheets\24043_A45-A46 - Bldg. E Floor Plan.dwg Oct 28 2025 3:22pm

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

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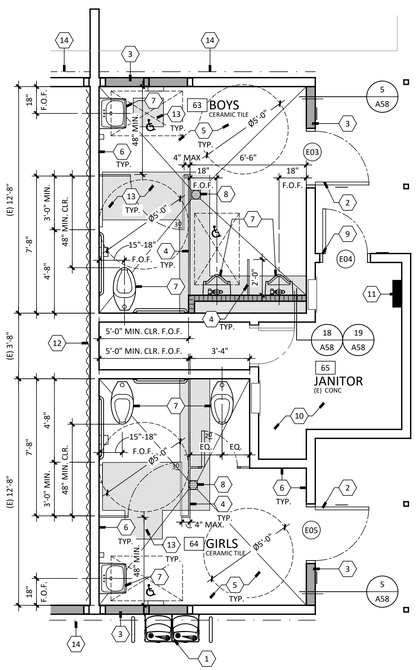
TITLE
BUILDING E
DEMO FLOOR PLAN,
FLOOR PLAN

A45

PROJECT 24043



ENLARGED FLOOR PLAN LEGEND

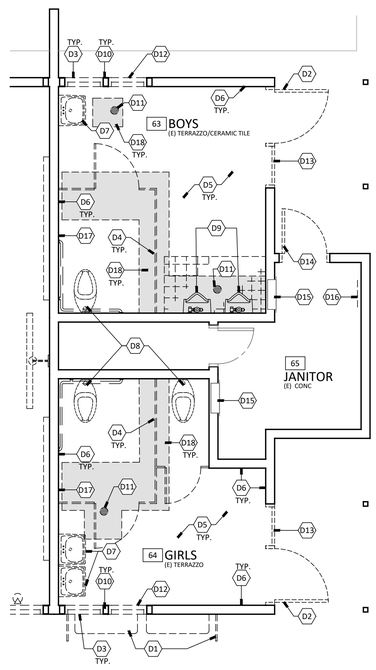
- (E) WOOD STUD WALL
- 2x6 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- 2x4 WOOD STUD @ 16" O.C., FOR TYPICAL WALL FRAMING REFER TO STRUCTURAL DRAWINGS
- RIGID SOUND BOARD & RESILIENT CHANNEL, SEE 4 / A60
- LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION
- 48" x 30" — INDICATES 30" x 48" CLEAR W.C. SPACE
- Ø5'-0" — INDICATES 5' DIAMETER FL. ROTATION SPACE

ENLARGED FLOOR PLAN KEYNOTES, THIS SHEET ONLY:

1. DRINKING FOUNTAIN w/ GUARD RAILS PER PLUMBING DWGS & EXTERIOR ELEVATIONS
2. HOLLOW METAL DOOR & FRAME, COORDINATE w/ DOOR SCHEDULE
3. STUD WALL INFILL AT REMOVED WINDOWS/FRAMED METAL PANEL. FOR TYPICAL WALL INFILL, SEE STRUCTURAL
4. TOILET PARTITION, SEE SPECS. & INTERIOR ELEVATIONS
5. CERAMIC TILE FLOOR w/ COVED TILE BASED OVER (E) DEPRESSED SLAB. SEE FINISH SCHEDULE, SLOPE TO DRAIN
6. CERAMIC TILE WALL FINISH, SEE INTERIOR ELEVATIONS & FINISH SCHEDULE
7. PLUMBING FIXTURE PER PLUMBING DWGS., TYP.
8. FLOOR DRAIN, COORDINATE w/ PLUMBING DWGS
9. HOLLOW METAL DOOR IN (E) HOLLOW METAL FRAME, COORDINATE w/ DOOR SCHEDULE
10. (E) FLOOR, WALL, & CEILING FINISHES TO REMAIN, PROTECT. THIS ROOM ONLY, UNLESS OTHERWISE NOTED. COORDINATE w/ OTHER DISCIPLINES FOR PATCHWORK AS NEEDED TO ACCOMPLISH ELECTRICAL WORK
11. FIRE ALARM PANEL, COORDINATE w/ ELECTRICAL DWGS. PATCH & REPAIR WALL FINISHES TO FLUSH & MATCH (E)
12. RIGID SOUND BOARD AND RESILIENT CHANNEL, FULL HEIGHT TO BOTTOM OF ROOF DECK
13. 4" CONCRETE SLAB (SHOWN SHADED) TO FLUSH & MATCH (E), COORDINATE w/ PLUMBING & STRUCTURAL DWGS
14. DASH DOT DENOTES LOCATION OF (N) SHEAR WALL, COORDINATE WITH STRUCTURAL DRAWINGS FOR SHEATHING AND HOLD DOWN LOCATION

north

BUILDING E
2 ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"



ENLARGED DEMOLITION PLAN LEGEND

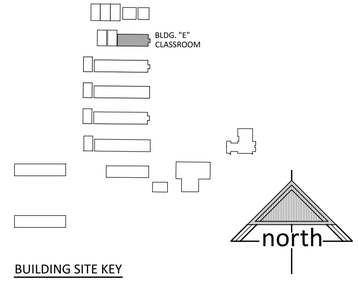
- (E) WOOD STUD WALL TO REMAIN
- (E) WALL TO BE REMOVED
- (E) OBJECT TO REMAIN, PROTECT.
- (E) OBJECT TO BE DEMO'D./REMOVED

ENLARGED DEMOLITION PLAN KEYNOTES, THIS SHEET ONLY:

- D1 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. REPLACE w/ (N) DRINKING FOUNTAIN & GUARD RAILS PER FLOOR PLAN
- D2 REMOVE (E) HOLLOW METAL DOOR & FRAME. PREP FOR WALL INFILL PER FLOOR PLAN
- D3 REMOVE (E) STEEL FRAMED WINDOW & PREP FOR WALL INFILL PER FLOOR PLAN
- D4 REMOVE (E) FLOOR MOUNTED OVERHEAD BRACED TOILET PARTITIONS INCLUDING DOOR.
- D5 REMOVE (E) TERRAZZO FLOOR (& CERAMIC TILE FLOOR WHERE OCCURS) & MORTAR BED TO EXPOSE DEPRESSED 1-3/4" CONCRETE SLAB, PREP FOR (N) FLOORING PER FLOOR PLAN
- D6 REMOVE (E) CERAMIC TILE & MORTAR BED AT WALLS, TYP. SEE INTERIOR ELEVATIONS. (E) GYP. PLASTER ABOVE TILE WAINSCOT TO REMAIN, PROTECT. AT (E) SHEAR WALL LOCATION, PROTECT (E) PLYWOOD SHEAR WALL & PREP FOR (N) FINISHES o/ (E) PLYWOOD SHEAR WALL
- D7 REMOVE (E) WALL HUNG LAVATORY. COORDINATE w/ PLUMBING DWGS
- D8 REMOVE (E) WALL MOUNTED WATER CLOSET, COORDINATE w/ PLUMBING DWGS
- D9 REMOVE (E) SURFACE WALL MOUNTED URINAL & PLUMBING WALL IN ITS ENTIRETY. COORDINATE w/ PLUMBING DWGS
- D10 (E) 4"x6" MULLION CONTINUOUS FROM SILL TO BEAM, TYP., PROTECT
- D11 REMOVE (E) FLOOR DRAIN, COORDINATE (N) FLOOR DRAIN w/ PLUMBING DWGS
- D12 REMOVE (E) LOUVER. PREP FOR WALL INFILL PER FLOOR PLAN
- D13 REMOVE (E) HOLLOW METAL FRAME & PANEL. PREP FOR (N) HOLLOW METAL DOOR & FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D14 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE
- D15 ELECTRICAL PANEL, SEE ELECTRICAL DWGS
- D16 REMOVE (E) WALL FINISHES AS REQUIRED FOR INSTALL OF FIRE ALARM PANEL, COORDINATE w/ ELECTRICAL DWGS.
- D17 LOCATION OF SHEAR PANEL THIS SIDE OF WALL, PROTECT
- D18 SAWCUT & REMOVE (E) CONCRETE SLAB (SHOWN SHADED) & PREP FOR (N) CONCRETE SLAB, COORDINATE w/ PLUMBING DWGS.
  NOTE, SHADING IS REPRESENTATIVE APPROXIMATE AREA OF DEMO. CONTRACTOR SHALL FIELD VERIFY (E) CONDITION AND COORDINATE WITH OTHER DISCIPLINES FOR EXTENT OF ACTUAL DEMO.

north

BUILDING E
1 ENLARGED DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"



BUILDING SITE KEY

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
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LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
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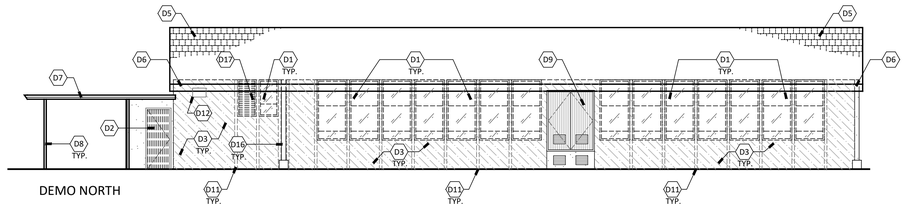
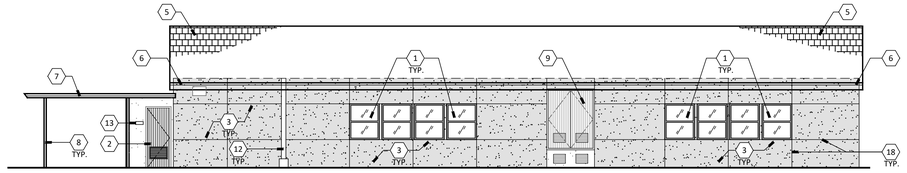
(559) 627.1926 Fax

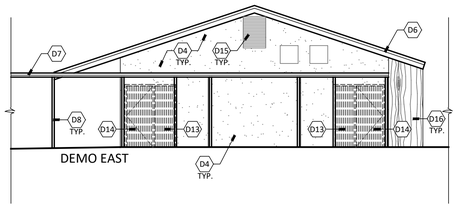
TITLE
BUILDING E
ENLARGED DEMO
FLOOR PLAN,
ENLARGED FLOOR PLAN

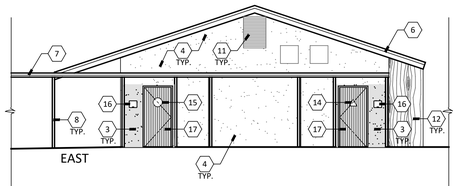
A46

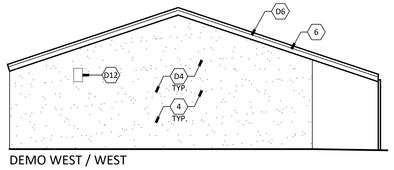
PROJECT 24043

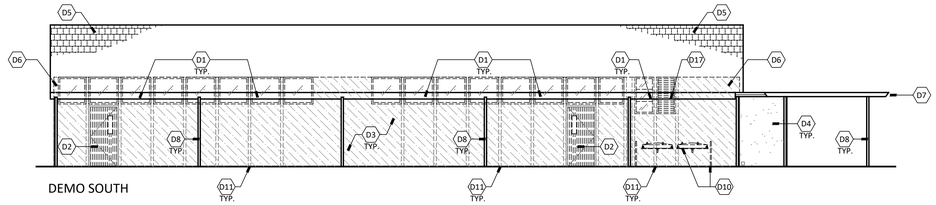


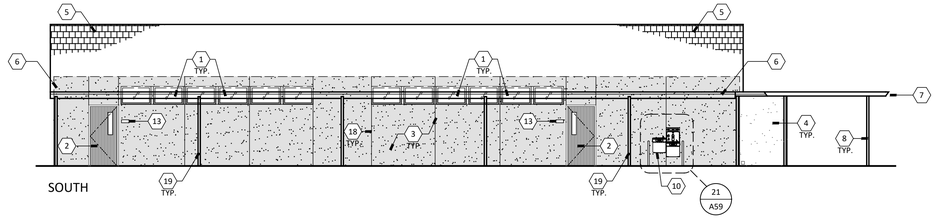












BUILDING E
EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

DEMO. EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

D1 REMOVE (E) WINDOW & FRAMES IN THEIR ENTIRETY, PREP FOR (N) ALUMINUM WINDOW FRAME SYSTEM OR STUD WALL INFILL WHERE OCCURS PER FLOOR PLAN & FRAME TYPE SCHEDULE

D2 REMOVE (E) HOLLOW METAL DOOR. (E) HOLLOW METAL FRAME TO REMAIN. PREP FOR (N) HOLLOW METAL DOOR IN (E) FRAME PER FLOOR PLAN & DOOR SCHEDULE

D3 REMOVE (E) CEMENT PLASTER SYSTEM, THIS WALL (SHOWN DASHED), TO EXPOSE PLYWOOD SHEATHING. COORDINATE PLYWOOD SHEAR WALL LOCATIONS WITH STRUCTURAL DRAWINGS. PREP FOR (N) CEMENT PLASTER SYSTEM o/ (E) PLYWOOD SHEATHING. (N) SHEATHING WHERE OCCURS.

D4 (E) PLASTER, PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT

D5 REMOVE (E) COMP. SHINGLE ROOF, PREP FOR (N) COMP. SHINGLE PER ROOF PLAN

D6 (E) FASCIA TO REMAIN, PROTECT. PREP FOR PAINT

D7 (E) FASCIA & METAL DRIP EDGE AT CORRIDOR TO REMAIN, PROTECT. PREP FOR PAINT

D8 (E) PIPE COLUMN TO REMAIN, PROTECT. PREP FOR PAINT

D9 (E) MECHANICAL DOORS WITH LOUVERS TO REMAIN, PROTECT. PREP DOOR & FRAME FOR PAINT

D10 REMOVE (E) WALL MOUNTED DRINKING FOUNTAIN & GUARD RAILS. PREP FOR (N) DRINKING FOUNTAIN & GUARD RAILS. COORDINATE w/ PLUMBING DWGS

D11 (E) 4x6 POST INSIDE WALL TO REMAIN, PROTECT

D12 (E) ELECTRIC PANEL TO REMAIN, PROTECT. COORDINATE w/ ELECTRICAL DWGS

D13 REMOVE (E) HOLLOW METAL FRAME & PANEL. PREP FOR (N) HOLLOW METAL DOOR & FRAME PER FLOOR PLAN & DOOR SCHEDULE

D14 REMOVE (E) HOLLOW METAL DOOR & FRAME. PREP FOR WALL INFILL PER FLOOR PLAN

D15 (E) 42"x30" REMOVABLE VENTILATING LOUVER TO REMAIN, PROTECT. PREP FOR PAINT

D16 (E) WOOD FINISH TO REMAIN, PREP FOR PAINT

D17 REMOVE (E) LOUVERS. PREP FOR STUD WALL INFILL PER FLOOR PLAN

D18 (E) DOOR & FRAME TO REMAIN, PROTECT. PREP FOR PAINT

EXTERIOR ELEVATION KEYNOTES, THIS SHEET ONLY:

1 ALUMINUM WINDOW FRAME WITH GLAZING IN (E) OPNG. PER FLOOR PLAN & FRAME SCHEDULE

2 HOLLOW METAL DOOR IN (E) FRAME, SEE DOOR SCHEDULE

3 CEMENT PLASTER SYSTEM o/ (E) PLYWOOD SHEATHING, SHOWN SHADED. (N) SHEATHING WHERE OCCURS. INFILL WALL OPENING w/ STUDS TO FLUSH & MATCH (E) AT REMOVED DOOR & WINDOW LOCATIONS. PAINT WALL (b)

4 (E) CEMENT PLASTER WITH NEW SKIM COAT FINISH, PAINT (b)

5 COMP. SHINGLE ROOF, SEE ROOF PLAN (d)

6 (E) FASCIA TO REMAIN, PAINT (c)

7 (E) FASCIA & METAL DRIP EDGE AT CORRIDOR, PAINT. FULL EXTENT OF CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF CORRIDOR FASCIA (c)

8 (E) PIPE COLUMN TO REMAIN, PROTECT. PAINT (E) PIPE COLUMNS ALONG CORRIDOR BETWEEN BUILDINGS. FULL EXTENT OF (E) PIPE COLUMNS ARE NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) PIPE COLUMNS. (c)

9 (E) MECHANICAL DOORS WITH LOUVERS TO REMAIN, PAINT (b)

10 DRINKING FOUNTAIN w/ GUARD RAILS, COORDINATE w/ PLUMBING DWGS

11 (E) REMOVABLE VENTILATING LOUVER , PAINT (b)

12 (E) WOOD FINISH TO REMAIN, PAINT (b)

13 TYPE "B2" ROOM SIGN. SEE DOOR SCHEDULE

14 TYPE 'A1' SIGN, SEE DOOR SCHEDULE

15 TYPE 'A2' SIGN, SEE DOOR SCHEDULE

16 TYPE 'A4 SIGN, SEE DOOR SCHEDULE

17 HOLLOW METAL DOOR & FRAME, SEE DOOR SCHEDULE

18 PLASTER CONTROL SCREED, SEE 21 / A58

19 (E) PIPE COLUMN TO REMAIN, PROTECT. PAINT (c)

20 (E) DOOR & FRAME TO REMAIN, PAINT PER DOOR SCHEDULE

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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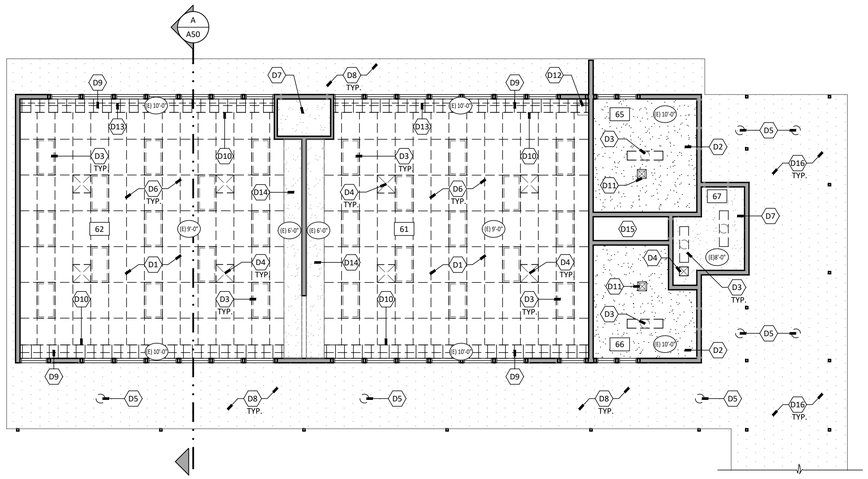
TITLE
BUILDING E
EXTERIOR
ELEVATIONS

A47

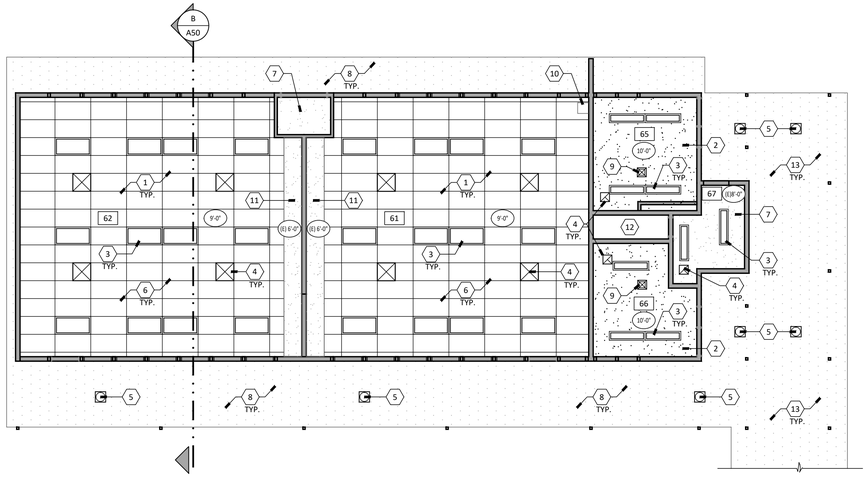
PROJECT 24043



BUILDING E
DEMOLITION REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

north



BUILDING E
REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION
REFLECTED CEILING PLAN KEYNOTES, THIS SHEET ONLY:

D1 REMOVE (E) T-BAR CEILING GRID & PANEL SYSTEM, PREP FOR (N) SUSPENDED SYSTEM PER REFLECTED CEILING PLAN

D2 REMOVE (E) CEMENT PLASTER CEILING & PREP FOR (N) CEILING LAYOUT PER REFLECTED CEILING PLAN

D3 REMOVE (E) LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS.

D4 REMOVE (E) MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS

D5 REMOVE (E) EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS

D6 REMOVE (E) BATT. INSULATION AT CEILING LINE

D7 (E) CEILING TO REMAIN, PROTECT

D8 (E) CEMENT PLASTER AT OVERHANG TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT

D9 REMOVE (E) 12" x 12" GLUE-UP CEILING TILES, BACKING, & CEILING FRAMING

D10 REMOVE (E) VERTICAL ANGLED LAY-IN CEILING SYSTEM, TYP.

D11 REMOVE (E) TRANSFER GRILLE. COORDINATE w/ MECHANICAL DWGS

D12 (E) IDF, COORDINATE w/ ELECTRICAL DWGS

D13 REMOVE (E) CURTAIN/SHADE SYSTEM IN ITS ENTIRETY

D14 (E) CEILING AT CABINET ALCOVE TO REMAIN, PREP FOR PAINT

D15 (E) PLUMBING CHASE, SEE PLUMBING DWGS

D16 (E) CEMENT PLASTER AT CORRIDOR TO REMAIN. PROVIDE MEDIUM TEXTURED CEMENT PLASTER SKIM COAT. PREP FOR PAINT.

REFLECTED CEILING PLAN LEGEND:

(E) CEMENT PLASTER SOFFIT/OVERHANG SYSTEM

GYP. BD. CEILING TEXTURED & PAINTED

2' x 4' SUSPENDED CEILING GRID SYSTEM

"X'-X" ELEVATION ABOVE FINISH FLOOR LEVEL

(E) GYP. BD. CEILING

REFLECTED CEILING PLAN KEYNOTES THIS SHEET ONLY:

1 SUSPENDED CEILING SYSTEM GRID & PANELS, FOR ADDITIONAL INFORMATION, SEE SECTIONS & DETAIL (1/A62) (1/A63)

2 5/8" TYPE 'X' GYP. BD. CEILING o/ (E) FRAMING

3 LIGHT FIXTURE, COORDINATE w/ ELECTRICAL DWGS

4 MECHANICAL REGISTER, COORDINATE w/ MECHANICAL DWGS

5 EXTERIOR LIGHTING, COORDINATE w/ ELECTRICAL DWGS. PATCH & REPAIR CEMENT PLASTER AS REQUIRE FOR INSTALL OF (N) RECESSED FIXTURE

6 R-30 BATT INSULATION AT ROOFLINE, SEE SECTIONS

7 (E) CEILING TO REMAIN, PROTECT. NO WORK IN THIS AREA, U.O.N.

8 (E) CEMENT PLASTER AT OVERHANG WITH NEW SKIM COAT FINISH, PAINT (b)

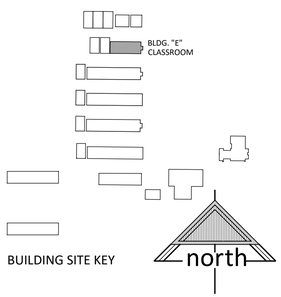
9 TRANSFER GRILLE, COORDINATE w/ MECHANICAL DWGS

10 IDF, COORDINATE w/ ELECTRICAL DWGS

11 (E) CEILING AT CABINET ALCOVE TO REMAIN, PROTECT, PAINT (b)

12 (E) PLUMBING CHASE, SEE PLUMBING DWGS

13 (E) CEMENT PLASTER AT CORRIDOR WITH NEW SKIM COAT FINISH, PAINT (b) FULL EXTENT OF (E) CORRIDOR IS NOT SHOWN. FIELD VERIFY FOR EXTENT OF (E) CORRIDOR.



APPROVALS

FILE # 16-14 APPLICATION # 02-123247

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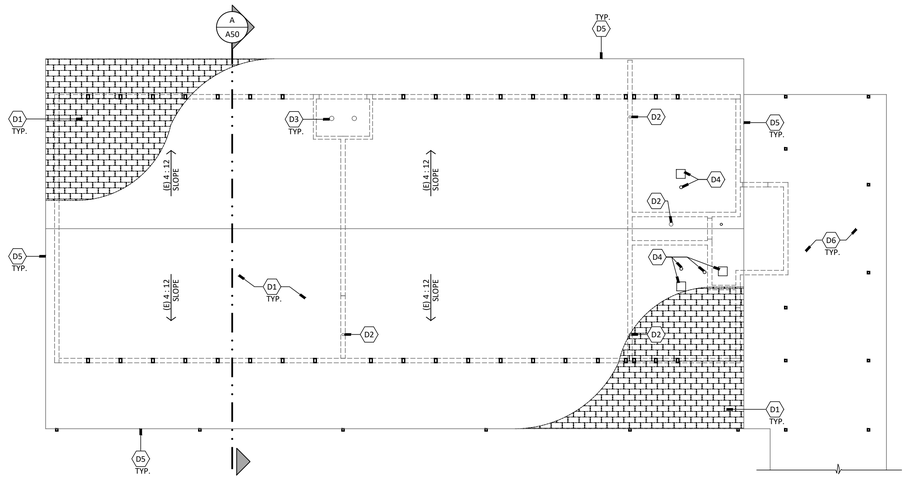
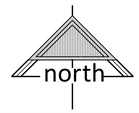
TITLE
BUILDING E DEMO REFLECTED CEILING PLAN, REFLECTED CEILING PLAN

A48

PROJECT 24043



BUILDING E
DEMOLITION ROOF PLAN
SCALE: 1/8" = 1'-0"



DEMOLITION ROOF PLAN KEYNOTES, THIS SHEET ONLY:

D1 REMOVE (E) COMP. SHINGLE ROOFING TO EXPOSE (E) PLYWOOD SHEATHING. PREP FOR (N) COMP. SHINGLE ROOFING o/ (E) PLYWOOD SHEATHING PER ROOF PLAN

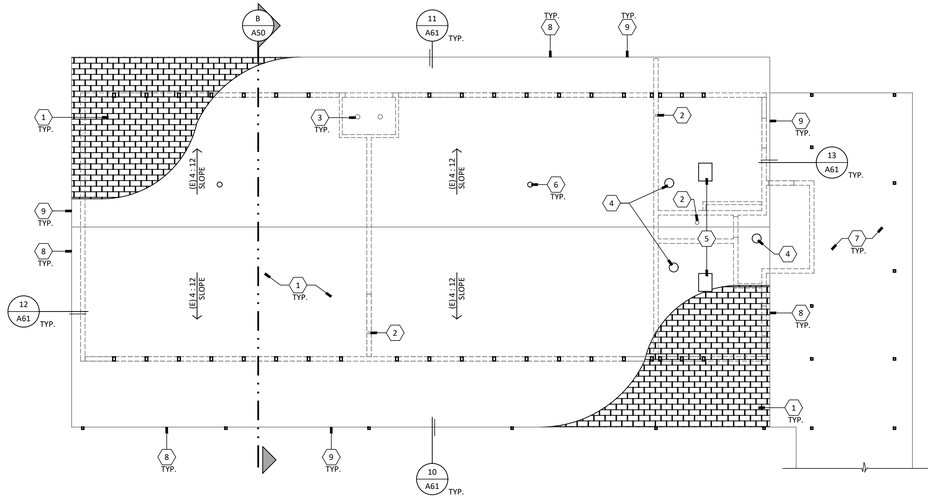
D2 (E) PIPE VENT TO REMAIN, PROTECT. COORDINATE w/ PLUMBING DWGS

D3 (E) ROOF VENTS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

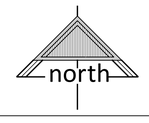
D4 REMOVE (E) ROOF VENTS AND PREPARE FOR (N) ROOF VENTS, COORDINATE w/ MECHANICAL DWGS

D5 REMOVE (E) METAL FLASHING, PREP FOR (N)

D6 (E) ROOFING AT CORRIDOR TO REMAIN, PROTECT



BUILDING E
ROOF PLAN
SCALE: 1/8" = 1'-0"



ROOF PLAN KEYNOTES THIS SHEET ONLY:

1 CLASS 'A' ASPHALT SHINGLE ROOFING SYSTEM o/ (E) PLYWOOD SHEATHING (d)

2 (E) PIPE VENT TO REMAIN, PROTECT. COORDINATE w/ PLUMBING DWGS

3 (E) ROOF VENTS TO REMAIN, PROTECT. COORDINATE w/ MECHANICAL DWGS

4 ROOF EXHAUST FANS, COORDINATE w/ MECHANICAL DWGS

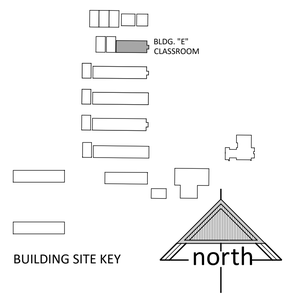
5 GRAVITY VENTILATOR CAP, COORDINATE w/ MECHANICAL DWGS

6 HOSE BIBB, COORDINATE w/ PLUMBING DWGS

7 (E) CORRIDOR ROOFING TO REMAIN, PROTECT

8 3-1/2" DEEP PRE-FINISHED FLASHING (g)

9 (E) FASCIA BOARD, PAINT (c)



BUILDING SITE KEY

APPROVALS

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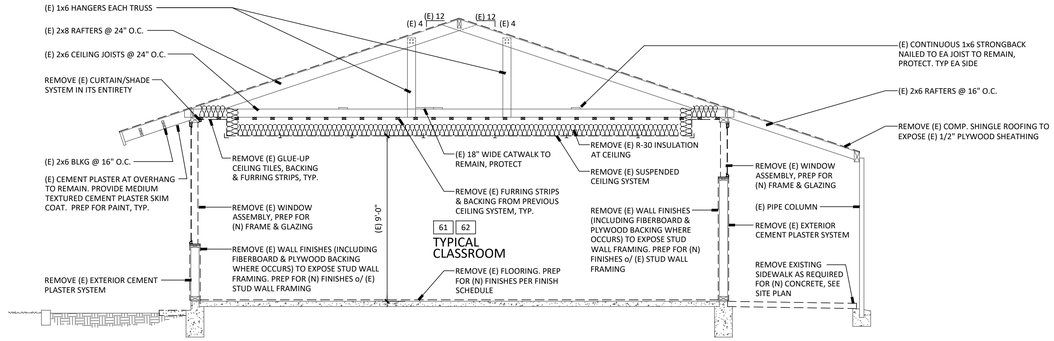
TITLE
BUILDING E
DEMO ROOF
PLAN,
ROOF PLAN

A49

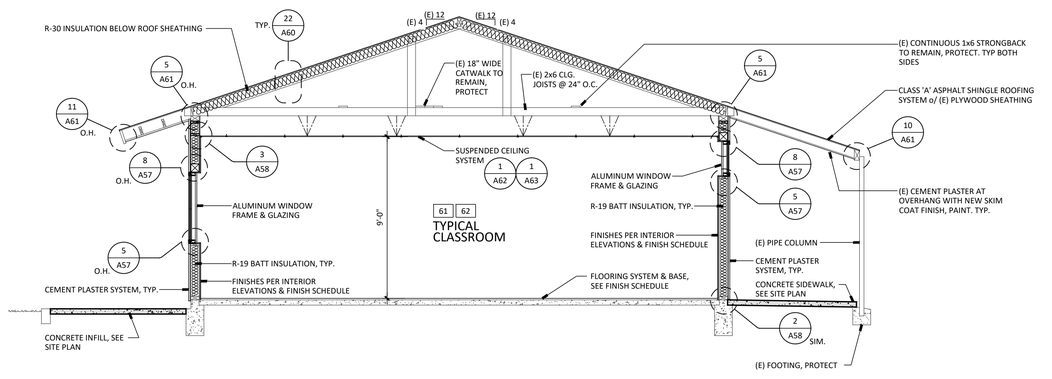
PROJECT 24043



BUILDING E

A DEMOLITION BUILDING SECTION

SCALE: 1/4" = 1'-0"



BUILDING E

B BUILDING SECTION

SCALE: 1/4" = 1'-0"

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HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
BUILDING E SECTIONS

A50

PROJECT 24043

TYPICAL NOTES :

1. FOR TYPICAL COUNTERTOP AND BACKSPLASH SEE DETAIL 14/A59 U.O.N.
2. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS ON ELEVATIONS SEE DETAILS 16/A60 17/A60 U.O.N.
3. FOR TYPICAL CABINET ANCHORAGE SEE DETAIL 1/A59
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE SOLID BLOCKING & INSTALLATION AT LOCATION SHOWN AS REQUIRED.
6. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
7. ( ) = MATERIAL DEFINITION, REFER TO SHEET A54
8. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL 14/A60
9. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL OR MECHANICAL SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
10. = A.D.A. ACCESSIBLE, SEE CABINET DETAIL 13/A59
11. FOR SIGN TEXT REFER TO DOOR SCHEDULE. FOR TYPES AND LOCATION SEE DETAIL 21/A55
12. FOR MARKER BOARD BLOCKING & ATTACHMENT SEE DETAIL 12/A59
13. FOR TV & SMART BOARD MONITOR BRACKET BLOCKING & ATTACHMENT SEE DETAIL 11/A59
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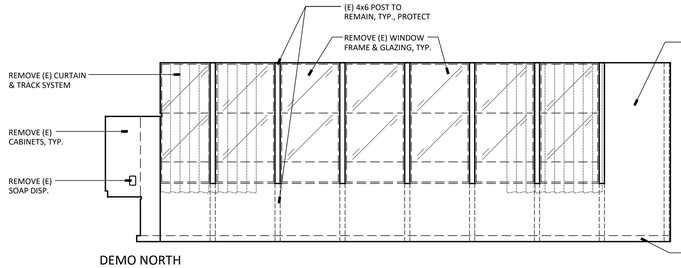
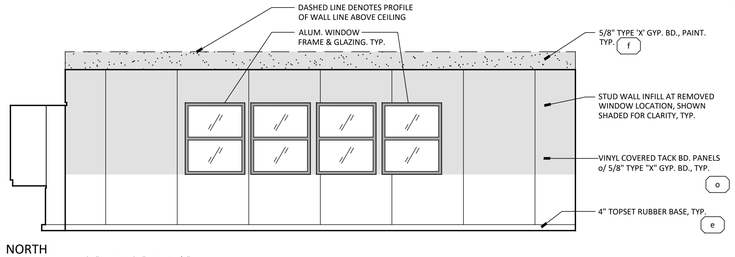
16. FOR TYPICAL TOILET PARTITION ANCHORAGE, SEE DETAIL 20/A60
17. FOR ACCESSIBLE LAVATORY, SEE DETAILS 18/A60 19/A60
18. OPEN KNEE SPACE AT WORK STATIONS TO HAVE NO SHARP OR ABRASIVE EDGES UNDER COUNTER
19. FOR TYPICAL RUBBER TOPSET BASE AND CERAMIC TILE BASE, SEE DETAILS 16/A59 17/A59 18/A59
20. FOR TYPICAL WALL TILE LAYOUT AT STUDENT TOILET ROOMS, SEE DETAIL 1/A54



DEMO NORTH



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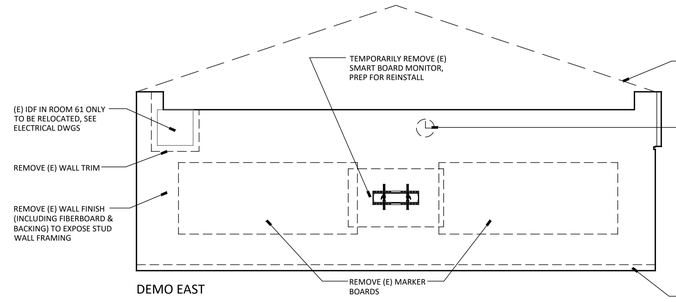

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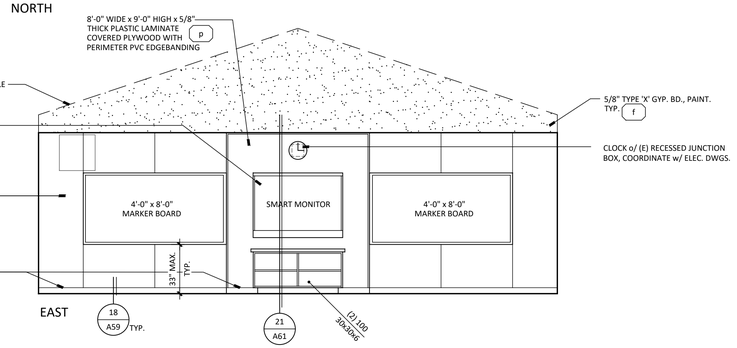

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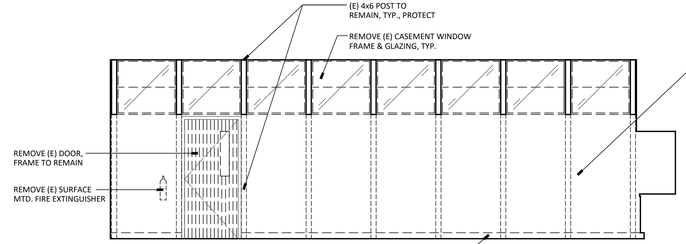

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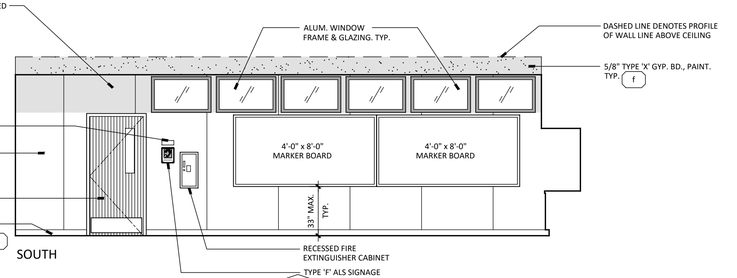

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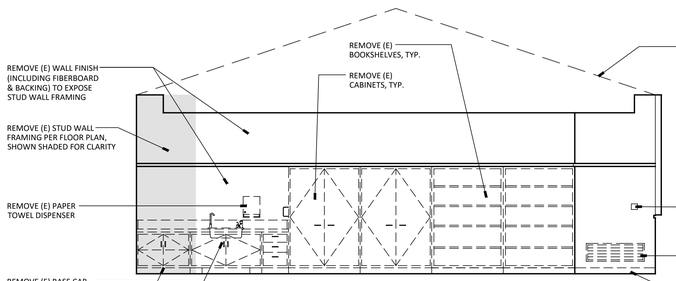

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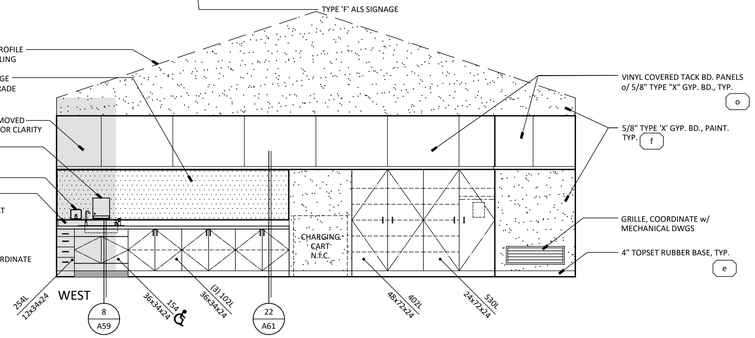

WEST

BUILDING E
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

61 CLASSROOM

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

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TITLE
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INTERIOR
ELEVATIONS

A51

PROJECT 24043

APPROVALS

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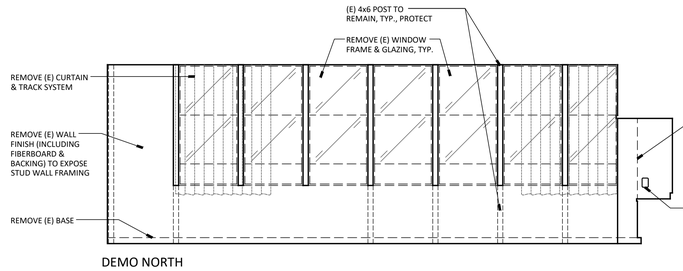

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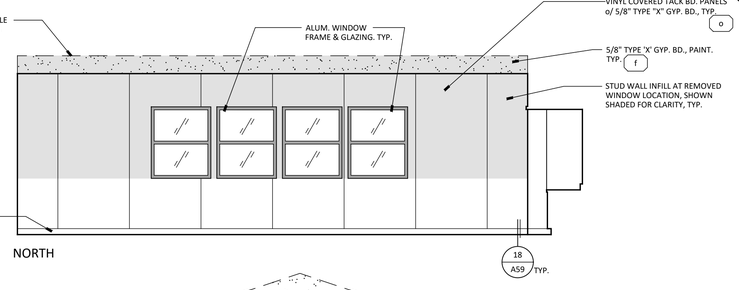

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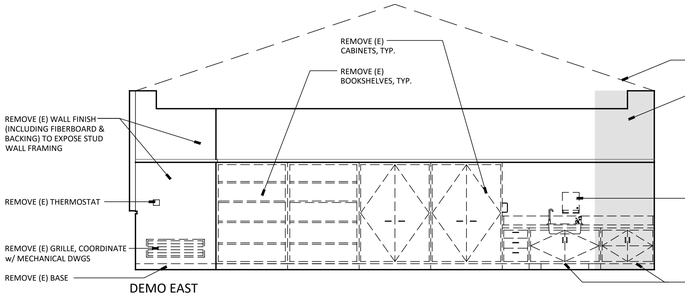

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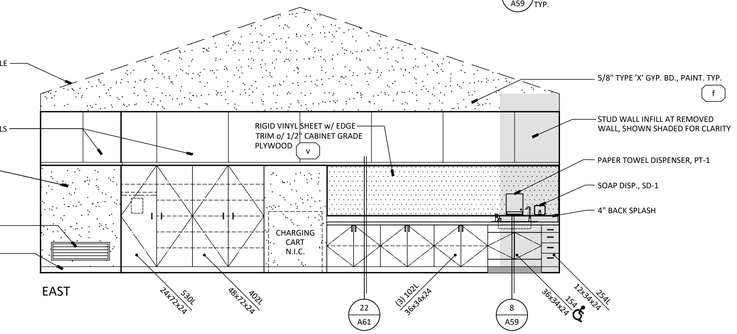

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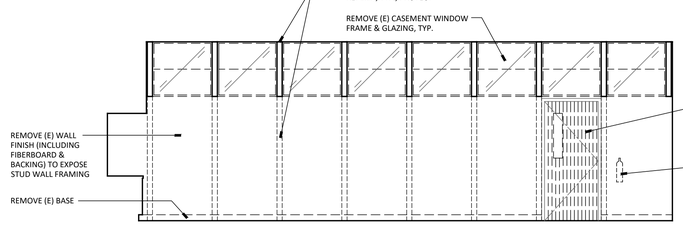

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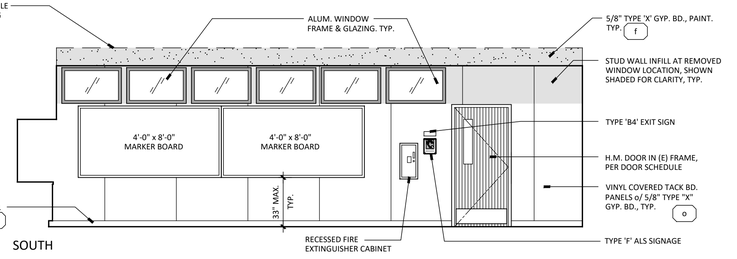

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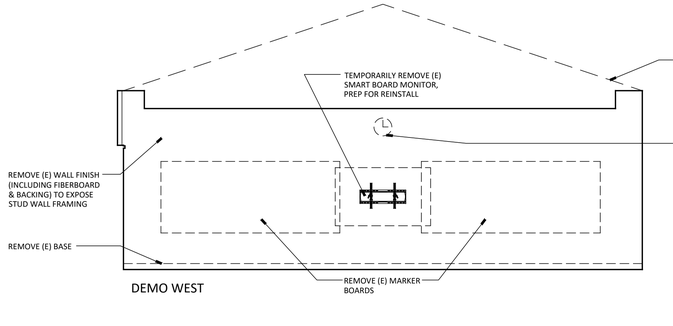

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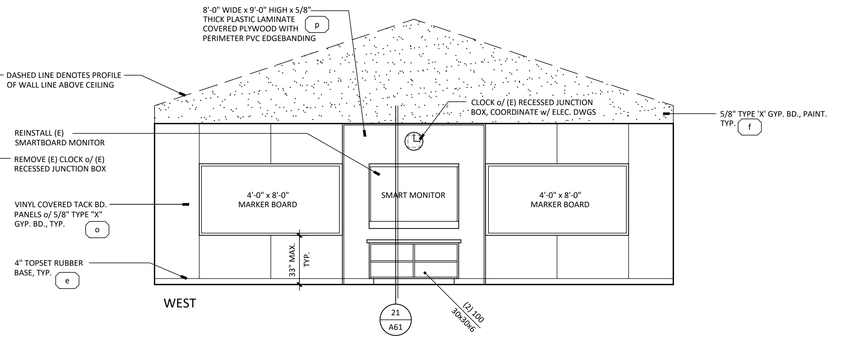

WEST

BUILDING E
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

62 CLASSROOM

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
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ELEVATIONS

A52

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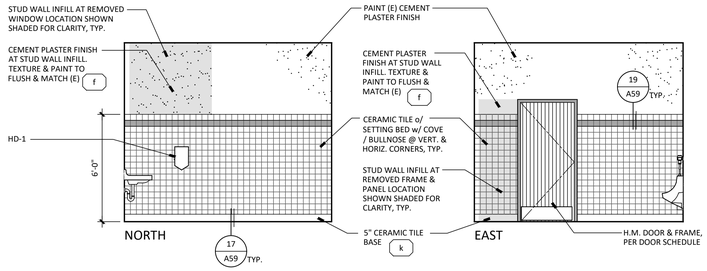
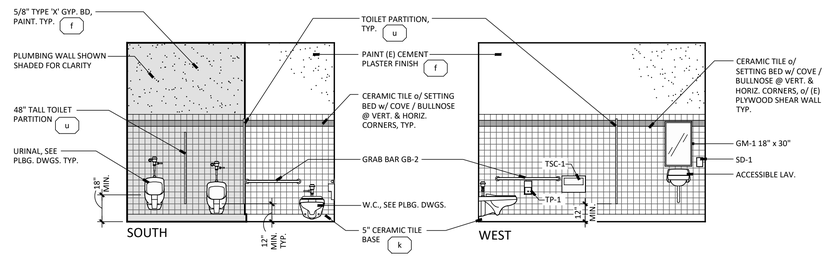
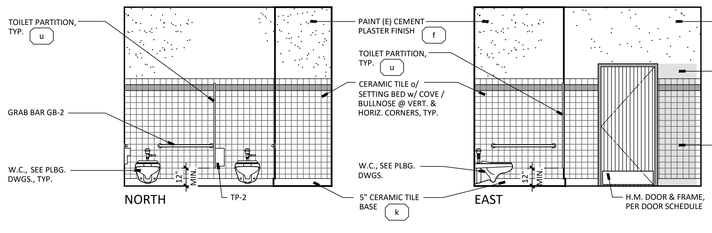




63 BOYS

REFER TO 16/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - AGE GROUP 9-12



64 GIRLS

REFER TO 16/A60 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHT AND REQUIREMENTS U.O.N. - AGE GROUP 9-12

BUILDING E
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

APPROVALS

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TITLE
BUILDING E
INTERIOR
ELEVATIONS

A53

PROJECT **24043**

MATERIALS

FLOOR
10 EXIST. FLOOR TO REMAIN
11 LUXURY VINYL TILE (LVT)
12 2" x 2" CERAMIC MOSAIC TILE
13 2" x 2" CERAMIC MOSAIC TILE - THIN SET
14 WALK-OFF CARPET MAT
15 SEALED CONCRETE

BASE
20 EXIST. TO REMAIN
21 4" RUBBER TOPSET
22 5" H. 2" x 2" COVED CERAMIC MOSAIC TILE
23 6" RUBBER TOPSET

WAINSCOT
30 4 1/4" x 4 1/4" GLAZED CERAMIC TILE
31 FIBERGLASS REINFORCED PANEL (FRP)

WALLS
40 EXIST. TO REMAIN
41 SEMI-GLOSS ENAMEL o/ (E) GYP. BD.
42 SEMI-GLOSS ENAMEL o/ (E) GYP. PLASTER/CEMENT PLASTER
43 SEMI-GLOSS ENAMEL o/ GYP. BD.
44 VINYL COVERED TACKBOARD PANELS o/ GYP. BD BACKING
45 SEMI-GLOSS ENAMEL o/ GYP.PLASTER (MATCH (E) TEXTURE)

CEILINGS
50 EXIST. TO REMAIN
51 SEMI-GLOSS ENAMEL o/ GYP. BD.
52 SEMI-GLOSS ENAMEL o/ (E) GYP. PLASTER/CEMENT PLASTER
53 2' x 4' LAY-IN ACOUSTICAL TILE CEILING & GIRD

COUNTERTOPS
60 EXIST. TO REMAIN
61 PLASTIC LAMINATE

MILLWORK
70 EXIST. TO REMAIN
71 PLASTIC LAMINATE

FINISHES

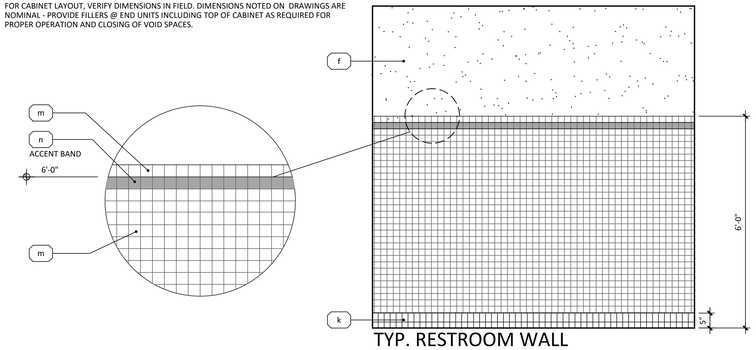
(a) REFER TO SPECIFICATIONS FOR MATERIAL/COLOR DESIGNATION
(b) MATCH TO EXISTING - EXT STUCCO - MAIN COLOR - "WINTERS GREY"
(c) MATCH TO EXISTING TK/KINDER CLASSROOM WING - EXT TRIM COLOR - "COOL LEAF GREEN"
(d) 'CERTAINTEED' WEATHERED WOOD OR EQUAL
(e) 'ROPPE' | #100 BLACK, STANDARD TOE, 4" VINYL BASE
(f) MATCH TO EXISTING - INTERIOR PAINT -WALLS- "OFF-WHITE"
(g) 'METAL SALES' MATCH "COOL LEAF GREEN"
(h) 'CRANE COMPOSITES' | FRP PANEL - COLOR #1130 COTTON WHITE
(j) 'MANNINGTON' | LVT-SPACIA-STONE-CERAMIC ECRU - #SSSS3592 - 18" x 18" TILES
(k) 'DAL TILE' | KEYSTONE MOSAIC 2X2 #D050 MOTTLED MEDIUM BROWN WITH BUILD-UP BASE #MB-5A GROUT: CUSTOM BLD PROD- #145 LIGHT SMOKE
(m) 'DAL TILE' | COLOR WHEEL CLASSIC - 4" X 4" - #0100 WHITE WITH GROUT: CUSTOM BLD PRPD. #351 BRIGHT WHITE
(n) 'DAL TILE' | COLOR WHEEL CLASSIC - 4" X 4" - #SH17 CURRANT WITH GROUT: CUSTOM BLD PRPD. #351 BRIGHT WHITE
(o) 'KOROSEAL-CHATFIELD-CLARK' | VINYL TACKBOARD PANELS/WC, OFF-WHITE
(p) 'FORMICA' #8906-58 DANISH MAPLE
(q) 'FORMICA' #8793 GREEN SLATE MATTE FINISH
(r) 'SHERWIN WILLIAMS' #SW 7036 ACCESSIBLE BEIGE
(s) 'MANNINGTON' LIAISON COLLECTION - RUFFAIN II - TAN TETONS #8404- 24 X 24 TILES - QUARTER TURN
(t) 'DAL TILE' COLOR WHEEL CLASSIC' 3X6 TILE - #1066 ELEMENTAL TAN WITH GROUT: CUSTOM BLD PRPD. #351 BRIGHT WHITE
(u) 'ACCURATE' RESTROOM PARTITION - SOLID PLASTIC - #9205 BLACK
(v) 'INPRO IPC DOOR & WALL PROTECTION' RIGID VINYL SHEET - GRAYSTONE 0151

EXTERIOR FINISHES

CEMENT PLASTER (b)
CEMENT PLASTER SOFFIT (b)
HOLLOW METAL DOORS - SEE DOOR SCHEDULE
HOLLOW METAL FRAMES - SEE DOOR SCHEDULE
ALUMINUM WINDOW FRAMES (a)
MISC. METALS, RAILINGS & TRIMS (c)
ASPHALT SHINGLE ROOFING (d)

FINISH SCHEDULE NOTES

1. CEILING HEIGHTS NOTED ON THIS SCHEDULE ARE FROM THE FLOOR BELOW IN THAT ROOM. THIS IS FOR THE PURPOSE OF ESTIMATING & DETERMINING INSTALLATION REQUIREMENTS.
2. REFER TO FLOOR PLANS, REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS FOR EXTENT AND LOCATION OF INTERIOR FINISHES.
3. REFER TO EXTERIOR ELEVATIONS FOR EXTENT AND LOCATION OF EXTERIOR FINISHES.
4. REFER TO SPECIFICATIONS FOR METHOD OF APPLICATION AND MATERIALS DESCRIPTION.
5. WHERE MORE THAN ONE FINISH OR COLOR DESIGNATION OCCURS IN A BOX REFER TO THE APPROPRIATE PLAN OR INTERIOR ELEVATION FOR THE EXTENT AND DESIGNATION OF FINISH.
6. ALL GYP. BD. SHALL BE 5/8" THICK TYPE "X" UNLESS OTHERWISE NOTED.
7. REFER TO "INTERIOR ELEVATION NOTES" ON INTERIOR ELEVATION SHEETS FOR LOCATION IN THE DRAWINGS OF TYPICAL DETAILS.
8. FOR CABINET LAYOUT, VERIFY DIMENSIONS IN FIELD. DIMENSIONS NOTED ON DRAWINGS ARE NOMINAL - PROVIDE FILLERS @ END UNITS INCLUDING TOP OF CABINET AS REQUIRED FOR PROPER OPERATION AND CLOSING OF VOID SPACES.
9. PAINT METAL DOOR AND WINDOW FRAMES. PAINT METAL DOOR INTERIOR FACE, EXTERNAL FACE, AND ALL EDGES. WHERE INTERIOR AND EXTERIOR COLORS ARE DIFFERENT, PAINT EDGES TO MATCH THE SIDE TO WHICH THE DOOR OPENS.
10. PROTECT UNFINISHED CONCRETE FLOORS FROM DAMAGE DURING CONSTRUCTION . PREPARE FOR FINISH / SEALING BY HIGH PRESSURE WATER OR BEAD BLASTING AS REQUIRED TO REMOVE STAINS AND RESIDUE. GET APPROVAL OF ARCHITECT OR OWNER BEFORE SEALING. (TAKE EXTRA CARE WITH OCCUPIABLE ROOMS)
11. FINISH COLORS ARE SHOWN THUS: ( )
12. WHERE MORE THAN ONE COLOR IS SHOWN THE DESIGNATION IS: INTERIOR / EXTERIOR
13. AT ALL VINYL COVERED TACKBOARD EDGES, PROVIDE TACKBOARD MANUFACTURED TRIM



TYP. RESTROOM WALL

1 TILE WALL PATTERNS
1/2" = 1'-0"

INTERIOR ROOM FINISH SCHEDULE

BLDG.	ROOM NUMBER	NAME	FLOOR MAT'L	FLOOR FIN.	BASE MAT'L	BASE FIN.	WAINSCOT MAT'L	WAINSCOT FIN.	N. WALL MAT'L	N. WALL FIN.	E. WALL MAT'L	E. WALL FIN.	S. WALL MAT'L	S. WALL FIN.	W. WALL MAT'L	W. WALL FIN.	CEILING MAT'L	CEILING FIN.	CEILING	COUNTER MAT'L	COUNTER FIN.	UPPER MAT'L	UPPER FIN.	LOWER MAT'L	LOWER FIN.	REMARKS:
BUILDING A	9	PSYCH	10	-	20 / 21	- / e	-	-	40	-	40	-	43	f	40	-	50	-	(E) VARIES	-	-	-	-	-	-	PATCH WALL FINISHES TO FLUSH & MATCH (E) AS REQUIRED TO PERFORM ELECTRICAL WORK. 4" RUBBER BASE SOUTH WALL MATCH (E)
	10	STORAGE	10	-	20	-	-	-	41 / 43	- / -	40	-	40	-	40	-	50	-	(E) VARIES	-	-	-	-	-	-	
	11	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-6"	61	q	-	-	71	p	4' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	12	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-6"	61	q	-	-	71	p	4' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	13	TOILET	13	k	22	k	30	mn	43	f	43	f	43	f	43	f	51	f	9'-0"	-	-	-	-	-	-	
	14	TOILET	13	k	22	k	30	mn	43	f	43	f	43	f	43	f	51	f	9'-0"	-	-	-	-	-	-	
	15	STORAGE	11	j	21	e	-	-	43	f	43	f	43	f	43	f	51	f	9'-0"	-	-	-	-	-	-	
	16	OFFICE	11	j	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-0"	-	-	-	-	-	-	
	17	TOILET	13	k	22	k	30	mn	43	f	43	f	43	f	43	f	51	f	9'-0"	-	-	-	-	-	-	
	18	TOILET	13	k	22	k	30	mn	43	f	43	f	43	f	43	f	51	f	9'-0"	-	-	-	-	-	-	
	19	STORAGE	11	j	21	e	-	-	43	f	43	f	43	f	43	f	51	f	9'-0"	-	-	-	-	-	-	
	20	OFFICE	11	j	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-0"	-	-	-	-	-	-	
BUILDING A1	21	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-6"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	22	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-6"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	23	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-6"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	24	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-6"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	26	BOYS TOILET	12	k	22	k	30	mn	42 / 45	f / f	42	-	42 / 43	f / f	42	f	52	f	VARIES	-	-	-	-	-	-	
	27	GIRLS TOILET	12	k	22	k	30	mn	42 / 45	f / f	42	-	42 / 45	f / f	42	f	52	f	VARIES	-	-	-	-	-	-	
	28	CUSTODIAL ROOM	15	a	23	e	31	h	40	-	40 / 45	- / f	40	-	40 / 45	- / f	50 / 52	- / f	(E) 8'-6" / (E)8'-0"	-	-	-	-	-	-	PATCH WALL FINISHES TO FLUSH & MATCH (E) AS REQUIRED TO PERFORM ELECTRICAL & PLUMBING WORK
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BUILDING B	31	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-6"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	32	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-6"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	33	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-6"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	34	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-6"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	36	BOYS TOILET	12	k	22	k	30	mn	42 / 45	f / f	42 / 45	f / f	42 / 43	f / f	42	f	51	f	10'-0"	-	-	-	-	-	-	
	37	GIRLS TOILET	12	k	22	k	30	mn	42	f	42 / 45	f / f	42 / 45	f / f	42	f	51	f	10'-0"	-	-	-	-	-	-	
	38	STAFF TOILET	10	-	20	-	-	-	40	-	40	-	40	-	40	-	50	-	(E) 7'-9"	-	-	-	-	-	-	PATCH WALL FINISHES TO FLUSH & MATCH (E) AS REQUIRED TO PERFORM ELECTRICAL WORK
BUILDING C	41	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-0"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	42	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-0"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	43	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-0"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	44	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	44	o	53	a	9'-0"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	46	WORKROOM	10	-	20	-	-	-	40 / 43	- / f	40	-	40	-	40	-	50	-	(E) 10'-0"	60	-	-	-	70	-	PATCH WALL FINISHES TO FLUSH & MATCH (E) AS REQUIRED TO PERFORM ELECTRICAL WORK
	47	STAFF	11	j	21	e	31	h	43	f	43	f	43	f	43	f	52	f	(E) 8'-0"	-	-	-	-	-	-	
	48	STAFF	11	j	21	e	31	h	43	f	43	f	43	f	43	f	52	f	(E) 8'-0"	-	-	-	-	-	-	
BUILDING D	51	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	43 / 44	f / o	52 / 53	f / a	6'-0" / 9'-0"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	52	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	43 / 44	f / o	44	o	44	o	52 / 53	f / a	6'-0" / 9'-0"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	53	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	43 / 44	f / o	52 / 53	f / a	6'-0" / 9'-0"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	54	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	43 / 44	f / o	44	o	44	o	52 / 53	f / a	6'-0" / 9'-0"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	56	BOYS TOILET	12	k	22	k	30	mn	42 / 45	f / f	42 / 45	f / f	42 / 43	f / f	42	f	52	f	10'-0"	-	-	-	-	-	-	
	57	GIRLS TOILET	12	k	22	k	30	mn	42	f	42 / 45	f / f	42 / 45	f / f	42	f	52	f	10'-0"	-	-	-	-	-	-	
	58	JANITOR	10	-	20	-	-	-	40	-	40	-	40	-	40	-	50	-	(E) 8'-0"	-	-	-	-	-	-	PATCH WALL FINISHES TO FLUSH & MATCH (E) AS REQUIRED TO PERFORM ELECTRICAL WORK
BUILDING E	61	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	44	o	44	o	43 / 44	f / o	52 / 53	f / o	6'-0" / 9'-0"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	62	CLASSROOM	11 / 14	j / s	21	e	-	-	44	o	43 / 44	f / o	44	o	44	o	52 / 53	f / o	6'-0" / 9'-0"	61	q	-	-	71	p	5' x 8' WALK-OFF CARPET MAT AT ENTRY (s)
	65	BOYS TOILET	12	k	22	k	30	mn	42 / 45	f / f	42 / 45	f / f	42 / 43	f / f	42	f	52	f	10'-0"	-	-	-	-	-	-	
	66	GIRLS TOILET	12	k	22	k	30	mn	42	f	42 / 45	f / f	42 / 45	f / f	42	f	52	f	10'-0"	-	-	-	-	-	-	
	67	JANITOR	10	-	20	-	-	-	40	-	40	-	40	-	40	-	50	-	(E) 8'-0"	-	-	-	-	-	-	PATCH WALL FINISHES TO FLUSH & MATCH (E) AS REQUIRED TO PERFORM ELECTRICAL WORK

APPROVALS
FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-27128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

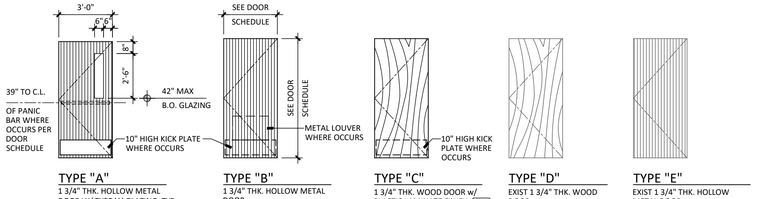
MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
FINISH SCHEDULE

A54

PROJECT 24043

DOOR TYPES



TYPE "A"
1 3/4" THK. HOLLOW METAL DOOR W/ TYPE 'A' GLAZING, TYP.

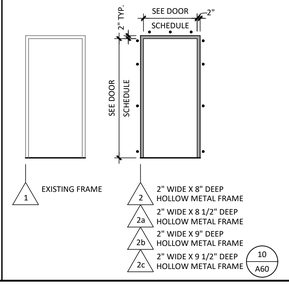
TYPE "B"
1 3/4" THK. HOLLOW METAL DOOR

TYPE "C"
1 3/4" THK. WOOD DOOR w/ PLASTIC LAMINATE FINISH (P)

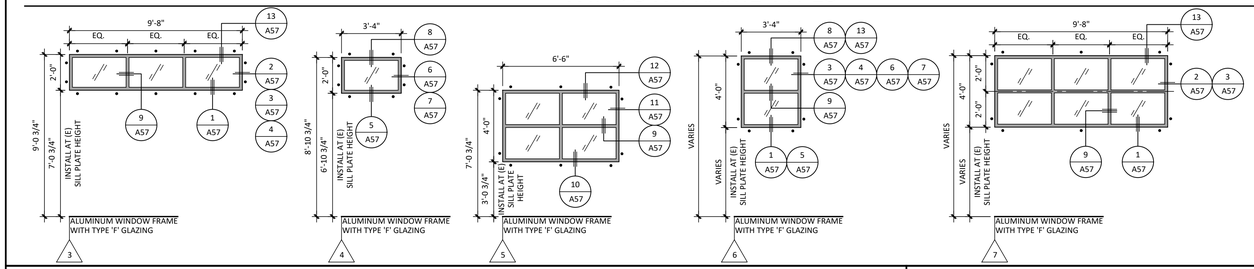
TYPE "D"
EXIST 1 3/4" THK. WOOD DOOR

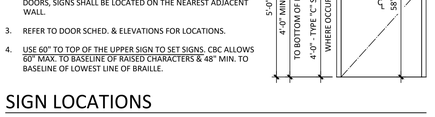
TYPE "E"
EXIST 1 3/4" THK. HOLLOW METAL DOOR

DOOR FRAME TYPES



WINDOW FRAME TYPES





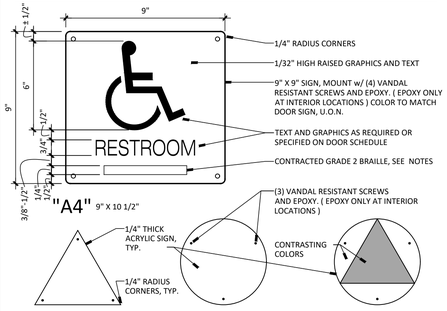
NOTES:
1. REFER TO FLOOR PLANS & ELEVATIONS FOR LOCATIONS
2. LETTERS AND NUMBERS 5/8" HIGH.
3. EXTERIOR ATTACHMENT: EPOXY AND 4 VANDAL RESISTANT SCREWS.
INTERIOR ATTACHMENT: EPOXY.

ASSISTIVE LISTENING

PORTABLE SYSTEM
TOTAL OCCUPANT LOAD FOR CAMPUS = 612
612 OCCUPANTS x 4% = 24.48 = 25 DEVICES TOTAL.
25 x 25% = 6.25 = 7 DEVICES HEARING-AID COMPATIBLE.
PORTABLE ALS SYSTEM ALLOWED PER 2022 CBC 11B-219.5
PORTABLE ALS SYSTEM PROVIDED PER SPEC. 27-5100. MAXIMUM 25 RECEIVERS REQUIRED WITH 7 OF THOSE HEARING-AID COMPATIBLE.

SIGN TYPE "D" OCCUPANCY SIGNS

"A4" GRAPHICS OPTIONS



"A4" 9" X 10 1/2"

"A1" 12" EQUILATERAL TRIANGLE (MEN'S)

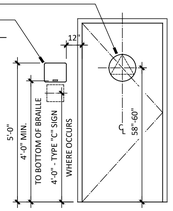
"A2" 12"Ø CIRCLE (WOMEN'S)

"A3" 12"Ø CIRCLE w/ 12" TRIANGLE SUPERIMPOSED (UNISEX)

TYPE "A" SIGNS

SIGN TYPES "A1, A2, OR A3"
SIGN TYPE "A4" OR "B" ROOM I.D.

NOTES:
1. IN ADDITION TO SIGN TYPES "A1, A2, AND A3" MOUNTED ON RESTROOM DOORS, PROVIDE SIGN TYPE "A4", LOCATED AS SHOWN.
2. TYPE "B" SIGNS TO BE MOUNTED ON LATCH SIDE OF SINGLE DOOR. AT DOUBLE DOORS, MOUNT SIGN ON INACTIVE LEAF. IF BOTH LEAVES ARE ACTIVE MOUNT SIGN ON RIGHT SIDE OF DOUBLE DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL.
3. REFER TO DOOR SCHED. & ELEVATIONS FOR LOCATIONS.
4. USE 60" TO TOP OF THE UPPER SIGN TO SET SIGNS. CBC ALLOWS 60" MAX. TO BASELINE OF RAISED CHARACTERS & 48" MIN. TO BASELINE OF LOWEST LINE OF BRAILLE.



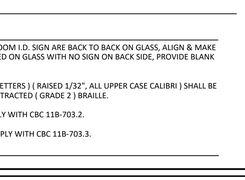
SIGN LOCATIONS

NOTES:

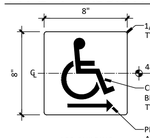
1. CONSTRUCT SIGNS OF 1/8" THK. PLASTIC UNLESS OTHERWISE NOTED. ALL CHARACTERS AND PICTOGRAMS SHALL BE RAISED 1/32".
2. COLOR TO BE SELECTED BY ARCHITECT. (SIGN BACKGROUND COLORS TO CONTRAST WITH DOOR COLOR) 70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND. CIRCLE COLOR TO CONTRAST WITH TRIANGLE.
3. ALL EDGES SHALL BE EASED OR ROUNDED AT 1/16".
4. AT LOCATIONS WHERE AN EXIT SIGN AND A ROOM I.D. SIGN ARE BACK TO BACK ON GLASS, ALIGN & MAKE SIGNS THE SAME SIZE. WHEN SIGN IS MOUNTED ON GLASS WITH NO SIGN ON BACK SIDE, PROVIDE BLANK SIGN THE SAME SIZE ON THE BACK SIDE.
5. ROOM. I.D. SIGNAGE : RAISED CHARACTERS (LETTERS) (RAISED 1/32", ALL UPPER CASE CALIBRI) SHALL BE PROVIDED & SHALL BE ACCOMPANIED BY CONTRACTED (GRADE 2) BRAILLE.
6. RAISED CHARACTERS (LETTERS) SHALL COMPLY WITH CBC 11B-703.2.
7. CONTRACTED (GRADE 2) BRAILLE SHALL COMPLY WITH CBC 11B-703.3.

21 SIGN TYPES
SCALE: 1/4" = 1'-0"

NOTES:
1. REFER TO FLOOR PLANS & ELEVATIONS FOR LOCATIONS
2. LETTERS AND NUMBERS 5/8" HIGH.
3. EXTERIOR ATTACHMENT: EPOXY AND 4 VANDAL RESISTANT SCREWS.
INTERIOR ATTACHMENT: EPOXY.
4. INTERNATIONAL SYMBOL OF ACCESS FOR HEARING IMPAIRED, FIGURE CBC 11B-703.7.2.4
COORDINATE EQUIPMENT LOCATION
5. DESCRIPTION WITH ARCHITECT

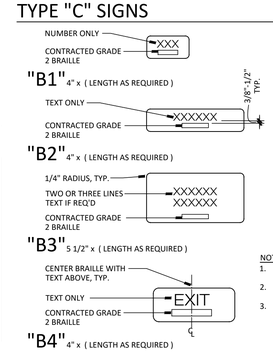


TYPE "F" ASSISTIVE LISTENING SIGN



NOTES:
1. REFER TO FLOOR PLANS & ELEVATIONS FOR LOCATIONS
2. EXTERIOR ATTACHMENT: EPOXY AND 4 VANDAL RESISTANT SCREWS.
INTERIOR ATTACHMENT: EPOXY.

TYPE "C" SIGNS



NOTES:
1. NUMBERS 2" HIGH.
2. LETTERS 1" HIGH.
3. EXTERIOR ATTACHMENT: EPOXY AND A MINIMUM OF 2 VANDAL RESISTANT SCREWS.
INTERIOR ATTACHMENT: EPOXY.

TYPE "B" SIGNS

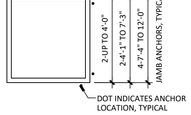
DOOR & FRAME TYPICAL NOTES

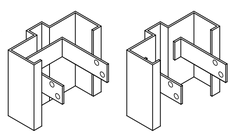
1. PER CBC 1010.2.8.2 - NEW BUILDINGS ON A K-12 PUBLIC SCHOOL CAMPUS SHALL BE PROVIDED WITH LOCKS WHICH ALLOW DOORS TO ANY ROOM WITH A LOAD OCCUPANT OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL CONFORM TO THE SPECIFICATION AND REQUIREMENTS OF SECTION 1010.2. EXCEPTIONS INCLUDED DOORS WHICH ARE NORMALLY LOCKED FROM THE OUTSIDE.
2. GLAZING SCHEDULE: SEE SPECIFICATIONS.
   TYPE "A" : 1/4" THICK CLEAR, FULLY TEMPERED GLASS
   TYPE "F" : 1" THICK INSULATING GLASS UNIT, 1/4" FULLY TEMPERED GLASS WITH GRAYLITE II TINT, 1/2" ARGON FILLED SPACE, 1/4" CLEAR FULLY TEMPERED, LOW-E
3. VERIFY DOOR SWINGS WITH FLOOR PLAN.
4. FRAMES SHALL FIT TIGHT TO WALL. SHIM GYP. BD. AS REQUIRED FOR PLUMB TOLERANCE AT FRAME AND GYP. BD.
5. PAINT H.M. DOORS AND FRAMES SEMI-GLOSS ENAMEL IN ACCORDANCE WITH SPECIFICATIONS. REFER TO FINISH COLORS FOR DESIGNATION.
6. PAINT FRAMES THE SAME COLOR ON BOTH SIDES UNLESS OTHERWISE NOTED THUS INTERIOR / EXTERIOR
   WHEN INTERIOR AND EXTERIOR COLORS ARE DIFFERENT, LATCH EDGE SHALL MATCH INTERIOR COLOR. FINISH ALL EDGES.
7. REFER TO SPECIFICATIONS FOR DOOR SIGNAGE TYPES. ALL SIGNS SHALL INCLUDE BRAILLE IDENTIFICATION IN ACCORDANCE WITH CBC. FOR TYP, SIGNAGE/ MOUNTING SEE DETAIL 21/A55.
8. REFER TO SPECIFICATIONS FOR DOOR HARDWARE AND SCHEDULES.
9. ALL DIMENSIONS ARE +/-, VERIFY IN THE FIELD (OR WITH FLOOR PLAN FOR APPROXIMATE AS INDICATED).
10. MINIMUM ANCHOR REQUIREMENTS:
    PROVIDE MANUFACTURERE'S STANDARD ANCHORS WITH FASTENERS AS INDICATED ON FRAME ANCHORS DETAIL. ANCHORS SHALL BE SPACED NOT GREATER THAN 24" O.C. PROVIDE 6" EDGE DISTANCE AT FIRST HEAD ANCHOR.
11. HOLLOW METAL FRAMES SHALL BE ANCHORED AT CONCRETE SLAB FLOOR WITH (2) ¾"Ø X 1 ¾" EXPANSION ANCHOR @ 24" O.C. MAX., HILTI KB-TZ 2 (ESR-4266) OR SIMPSON TITEN HD (ESR2713) SCREWS, MIN 2-1/2" EMBEDMENT
12. ALL FRAME ANCHORS SHALL BE MANUFACTURER'S STANDARD CONCEALED ANCHORS, UL LISTED WHERE REQUIRED BY THE DOOR SCHEDULE.
13. TYPICAL FRAME ANCHOR FASTENERS:
    WOOD: 2-8d EA. SIDE, DIMPLED FRAME: 3/8"Ø SCREW (WOOD) WITH 3" MIN EMBED. OR EXPANSION ANCHOR.S, KB-TZ 2 OR SIMPSON TITEN HD, 3/8"Ø WITH 3" MIN. EMBED
14. EXPOSED DIMPLED FASTENERS WILL ONLY BE ALLOWED UPON PRIOR WRITTEN ACCEPTANCE BY THE ARCHITECT.
15. VERTICAL AND HORIZONTAL FRAMING MEMBERS ARE 2" THICK UNLESS OTHERWISE NOTED.
16. FIELD VERIFY ALL DOOR DIMENSIONS PRIOR TO SUBMITTING/ OREDERING MATERIALS
17. EXTERIOR CLASSROOM DOOR SHALL BE LOCKABLE FROM INSIDE PER CBC 1010.1.11
18. FOR TYPICAL THRESHOLD CONDITIONS, SEE DETAILS 8/A60 & 9/A60
19. FRAME ANCHORS:
    1. ALUMINUM FRAMES: ANCHOR FRAMES WITH 2-#12 WOOD SCREWS WITH 1 3/4" MIN. EMBED. INTO STUD OR BLOCKING. LOCATE 3" MAX. FROM FRAME JOINTS OR 18" O.C. MAX.
    2. HOLLOW METAL FRAME: 2-#12 F.H. WOOD SCREW WITH 1 3/4" MIN. EMBED. INTO STUD OR BLOCKING EACH SIDE OF STRAP. FOR STRAP LOCATION, SEE DETAIL 11/A55

LEGEND

DOT INDICATED ANCHOR LOCATION, TYPICAL EQUALLY SPACED PER FRAME ELEVATIONS

FRAME ANCHOR LEGEND





NOTE:
1. PROVIDE MANUFACTURERE'S STANDARD ANCHORS WITH FASTENERS, WOOD: 2-#12 WOOD SCREWS EA. SIDE. ANCHORS SHALL BE SPACED NOT GREATER THAN 24" O.C. PROVIDE 6" EDGE DISTANCE AT FIRST HEAD ANCHOR.
2. FRAMES SHALL BE ANCHORED AT CONCRETE SLAB FLOOR WITH (2) ¼"Ø X 1 ¾" SCREW ANCHOR @ 24" O.C. MAX., KWIK HUS EZ (ESR-3056), OR SIMPSON TITEN HD (ESR2713) SCREWS.

WOOD-STUD ANCHORS

11 FRAME ANCHORS
SCALE: N.T.S.

DOOR SCHEDULE

BLDG. NO.	DOOR NO.	TYPE	DIMENSIONS WIDTH	HGT.	THK.	HDWR. GROUP	FINISH	FIRE RATING	FRAME TYPE	FRAME DEPTH	FRAME FINISH	DETAILS HEAD	JAMB	JAMB	SILL	SIGNAGE TYPE	SIGNAGE TEXT	REMARKS
BUILDING A	A01	A	3'-0"	6'-8"	1 3/4"	03	c	-	2a	8 1/2"	c	16	15	15	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	A02	A	3'-0"	6'-8"	1 3/4"	03	c	-	1	EXIST	c	21	1	1	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	A03	A	3'-0"	6'-8"	1 3/4"	03	c	-	1	EXIST	c	21	1	1	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	A04	A	3'-0"	6'-8"	1 3/4"	03	c	-	2a	8 1/2"	c	16	15	15	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	A05	B	3'-0"	6'-8"	1 3/4"	04	c	-	1	EXIST	c	7	6	6	8	B2	**	
												A56	A56	A56	A60			
	A06	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	11	10	10	8	B2	**	
												A56	A56	A56	A60			
	A07	C	3'-0"	6'-8"	1 3/4"	11	p	-	2c	9 1/2"	r	18	17	17	9	A3	-	
												A56	A56	A56	A60	A4	RESTROOM	
	A08	C	3'-0"	6'-8"	1 3/4"	11	p	-	2c	9 1/2"	r	18	17	17	9	A3	-	
												A56	A56	A56	A60	A4	RESTROOM	
	A09	C	3'-0"	6'-8"	1 3/4"	12	p	-	2	8"	r	20	19	19	-	B2	**	
												A56	A56	A56				
	A10	A	3'-0"	6'-8"	1 3/4"	06	c	-	2a	8 1/2"	c	16	15	15	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	A11	C	3'-0"	6'-8"	1 3/4"	11	p	-	2c	9 1/2"	r	18	17	17	9	A3	-	
												A56	A56	A56	A60	A4	RESTROOM	
	A12	C	3'-0"	6'-8"	1 3/4"	11	p	-	2c	9 1/2"	r	18	17	17	9	A3	-	
												A56	A56	A56	A60	A4	RESTROOM	
	A13	C	3'-0"	6'-8"	1 3/4"	12	p	-	2	8"	r	20	19	19	-	B2	**	
												A56	A56	A56				
	A14	A	3'-0"	6'-8"	1 3/4"	06	c	-	2a	8 1/2"	c	16	15	15	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
BUILDING A1	A101	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	21	1	1	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	A102	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	21	1	1	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	A103	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	21	1	1	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	A104	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	21	1	1	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	A105	B	3'-0"	6'-8"	1 3/4"	08	c	-	1	EXIST	c	9	8	8	8	A1	-	
												A56	A56	A56	A60	A4	BOYS	
	-	-																
	A107	B	3'-0"	6'-8"	1 3/4"	13	c	-	2c	9-1/2"	c	22	22	22	8	B2	**	
												A56	A56	A56	A60			
	A108	B	3'-0"	6'-8"	1 3/4"	08	c	-	1	EXIST	c	9	8	8	8	A2	-	
												A56	A56	A56	A60	A4	GIRLS	
BUILDING B	B01	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	2	3	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	B02	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	2	3	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	B03	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	2	3	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	B04	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	2	3	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	B05	B	3'-0"	6'-8"	1 3/4"	08	c	-	2b	9"	c	14	12	13	8	A1	-	
												A56	A56	A56	A60	A4	BOYS	
	B06	B	3'-0"	6'-8"	1 3/4"	10	c	-	1	EXIST	c	11	10	10	8	A3	-	12" x 8" LOUVER AT DOOR, SEE SPECS
												A56	A56	A56	A60	B2	STAFF RESTROOM	
	B07	B	3'-0"	6'-8"	1 3/4"	08	c	-	2b	9"	c	14	12	13	8	A2	-	
												A56	A56	A56	A60	A4	GIRLS	
BUILDING C	C01	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	2	3	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	C02	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	2	3	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	C03	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	2	3	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	C04	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	2	3	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	C05	A	3'-0"	6'-8"	1 3/4"	07	c	-	1	EXIST	c	11	10	10	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	C06	D	EXIST	EXIST	EXIST	02	r	-	1	EXIST	r	-	-	-	-	A3	-	
												-	-	-	-	A4	RESTROOM	
	C07	D	EXIST	EXIST	EXIST	02	r	-	1	EXIST	r	-	-	-	-	A3		
												-	-	-	-	B2	RESTROOM	
BUILDING D	D01	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	4	4	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	D02	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	4	4	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	D03	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	4	4	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	D04	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	4	4	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	D05	B	3'-0"	6'-8"	1 3/4"	09	c	-	2b	9"	c	14	12	13	8	A1	-	
												A56	A56	A56	A60	A4	BOYS	
	D06	B	3'-0"	6'-8"	1 3/4"	01	c	-	1	EXIST	c	11	10	10	8	B2	**	12" x 8" LOUVER AT DOOR, SEE SPECS
												A56	A56	A56	A60			
	D07	B	3'-0"	6'-8"	1 3/4"	08	c	-	2b	9"	c	14	12	13	8	A2	-	
												A56	A56	A56	A60	A4	GIRLS	
BUILDING E	E01	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	4	4	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	E02	A	3'-0"	6'-8"	1 3/4"	05	c	-	1	EXIST	c	5	4	4	8	B2	**	
												A56	A56	A56	A60	B4	EXIT	
	E03	B	3'-0"	6'-8"	1 3/4"	09	c	-	2b	9"	c	14	12	13	8	A1	-	
												A56	A56	A56	A60	A4	BOYS	
	E04	B	3'-0"	6'-8"	1 3/4"	01	c	-	1	EXIST	c	11	10	10	8	B2	**	12" x 8" LOUVER AT DOOR, SEE SPECS
												A56	A56	A56	A60			
	E05	B	3'-0"	6'-8"	1 3/4"	08	c	-	2b	9"	c	14	12	13	8	A2	-	
												A56	A56	A56	A60	A4	GIRLS	

APPROVALS
FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT JAMES R. MORRELL No. C-27128 REN. 05-31-27 STATE OF CALIFORNIA
DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

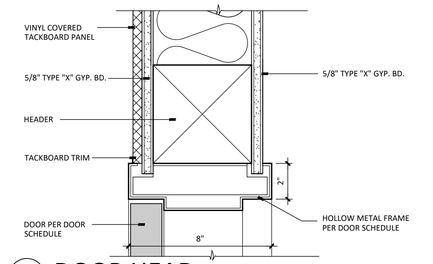
REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
DOOR & FRAME TYPE SCHEDULE

A55

PROJECT 24043



20 DOOR HEAD
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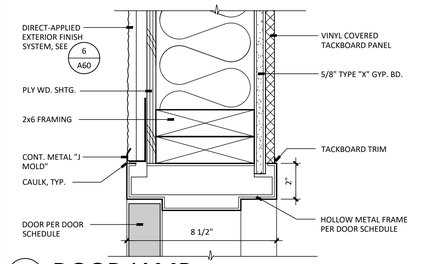

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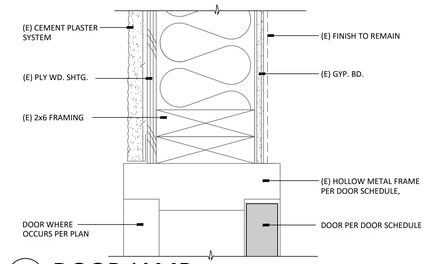

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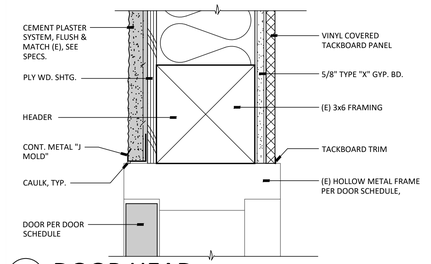

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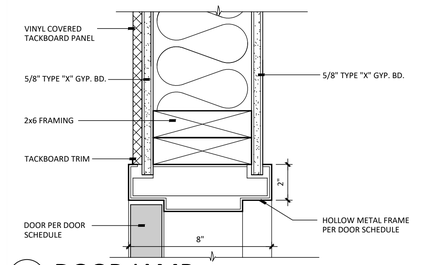
SCALE: 3" = 1'-0"



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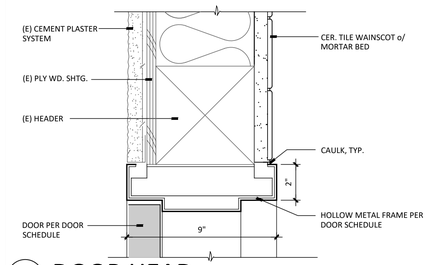

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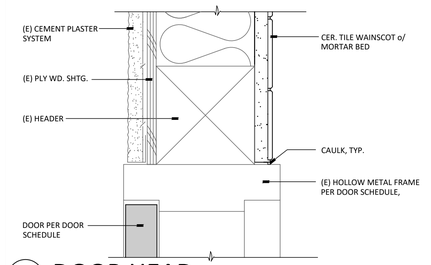
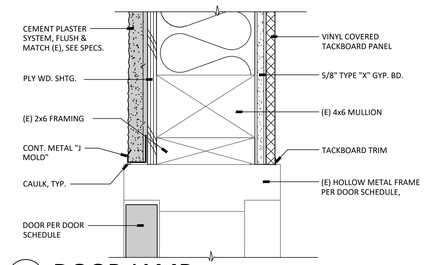
SCALE: 3" = 1'-0"



9 DOOR HEAD
SCALE: 3" = 1'-0"



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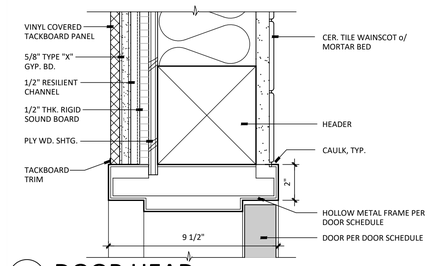

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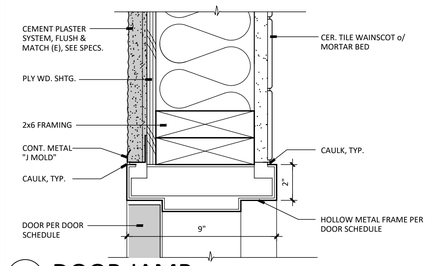

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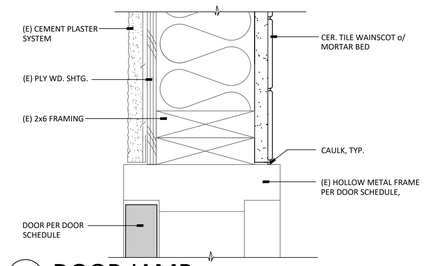

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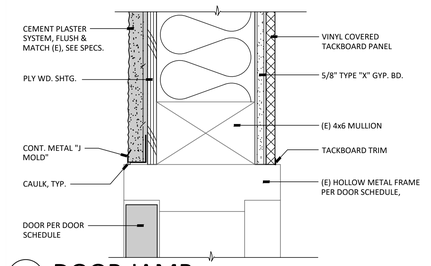

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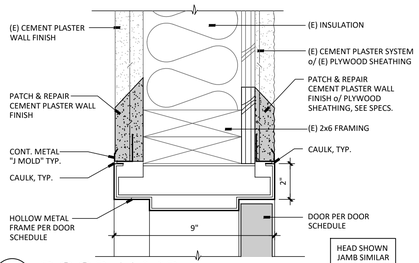

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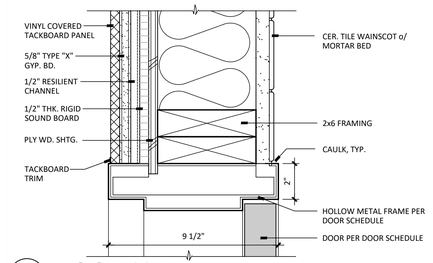

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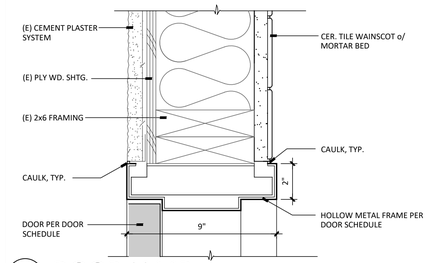

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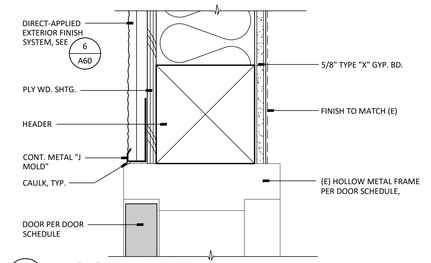
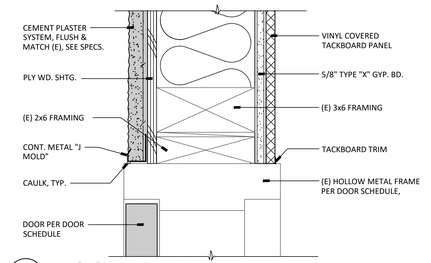


7 DOOR HEAD
SCALE: 3" = 1'-0"



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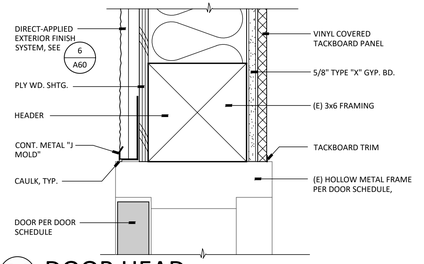

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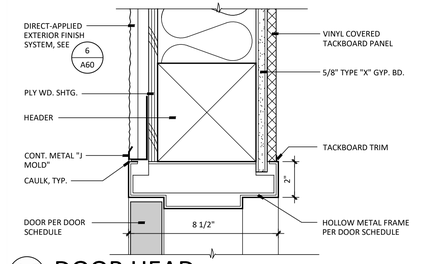
SCALE: 3" = 1'-0"



16 DOOR HEAD
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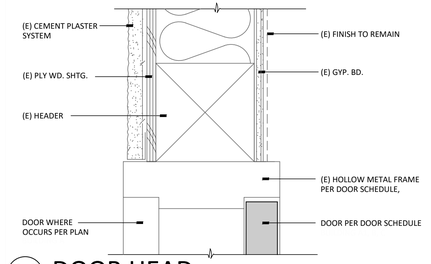
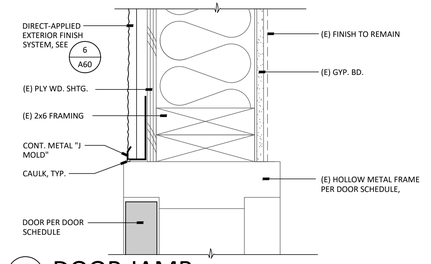


11 DOOR HEAD
SCALE: 3" = 1'-0"



6 DOOR JAMB
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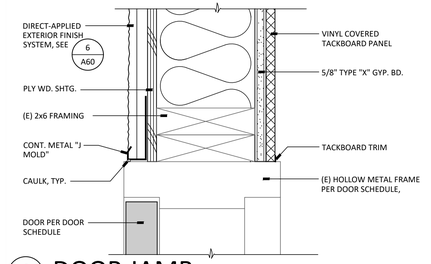

1 DOOR JAMB
SCALE: 3" = 1'-0"

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI
ARCHITECTURE
INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
FRAME DETAILS

A56

PROJECT 24043

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APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

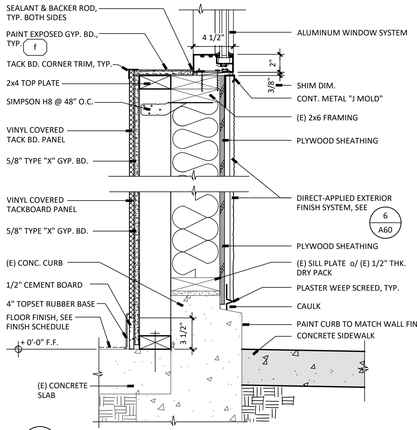
LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

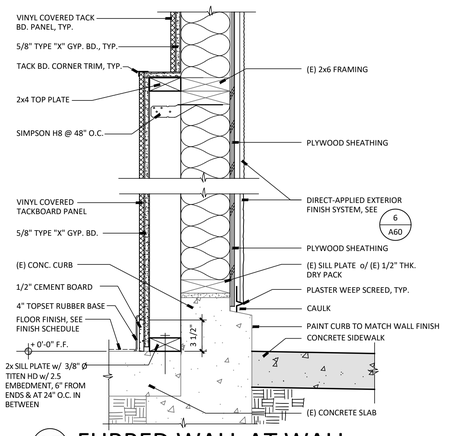
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS



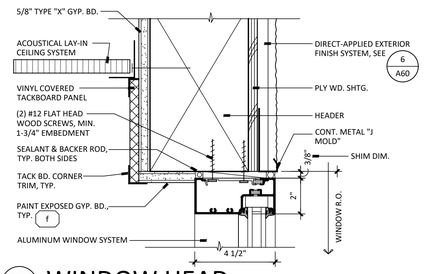
16 FURRED WALL AT WINDOW

SCALE: 1 1/2" = 1'-0"



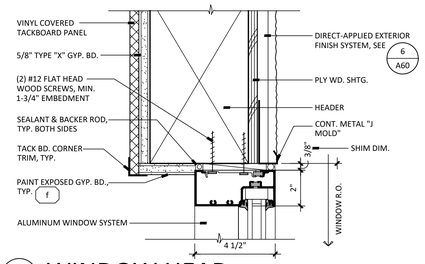
15 FURRED WALL AT WALL

SCALE: 1 1/2" = 1'-0"



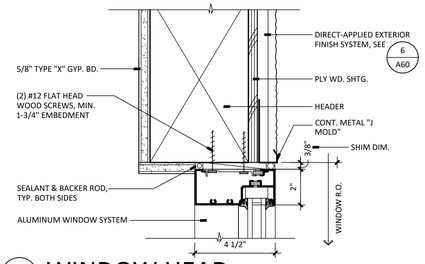
14 WINDOW HEAD

SCALE: 3" = 1'-0"



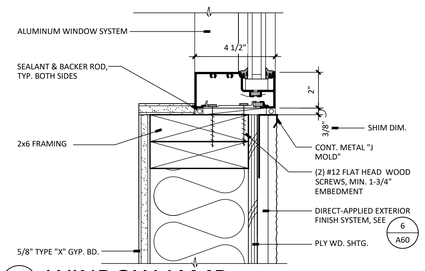
13 WINDOW HEAD

SCALE: 3" = 1'-0"



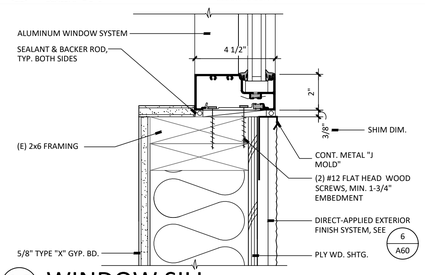
12 WINDOW HEAD

SCALE: 3" = 1'-0"



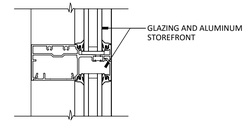
11 WINDOW JAMB

SCALE: 3" = 1'-0"



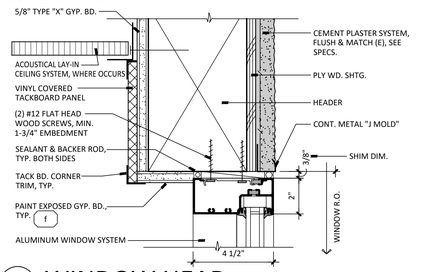
10 WINDOW SILL

SCALE: 3" = 1'-0"



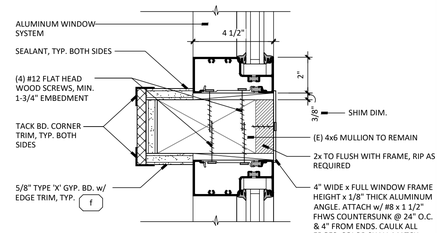
9 TYPICAL MULLION

SCALE: 3" = 1'-0"



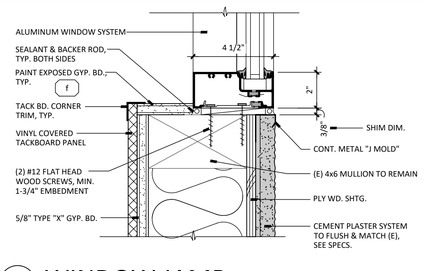
8 WINDOW HEAD

SCALE: 3" = 1'-0"



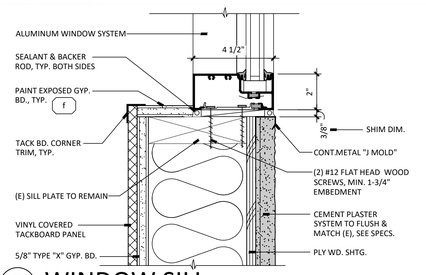
7 WINDOW JAMB

SCALE: 3" = 1'-0"



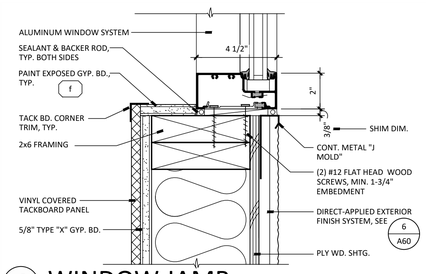
6 WINDOW JAMB

SCALE: 3" = 1'-0"



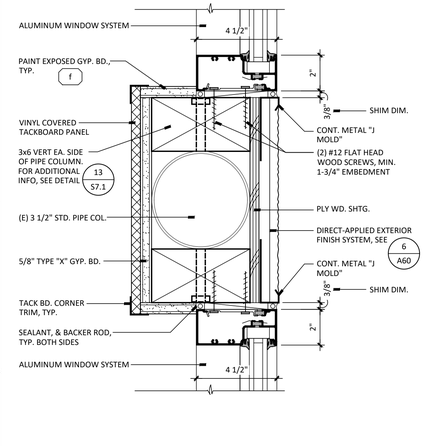
5 WINDOW SILL

SCALE: 3" = 1'-0"



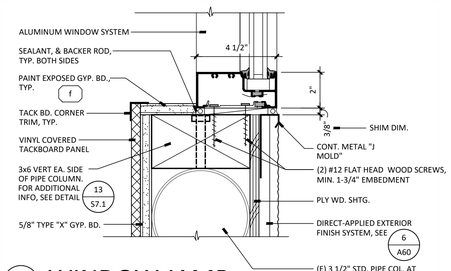
4 WINDOW JAMB

SCALE: 3" = 1'-0"



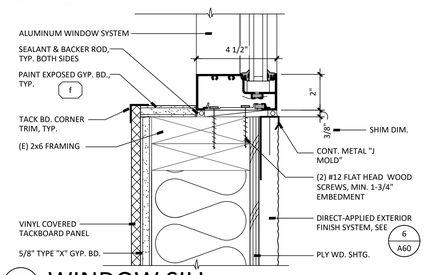
3 WINDOW JAMB

SCALE: 3" = 1'-0"



2 WINDOW JAMB

SCALE: 3" = 1'-0"



1 WINDOW SILL

SCALE: 3" = 1'-0"

MANGINI | ARCHITECTURE INGENUITY.
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627 2630 Office
(559) 627 1926 Fax

TITLE
FRAME DETAILS

A57

PROJECT 24043

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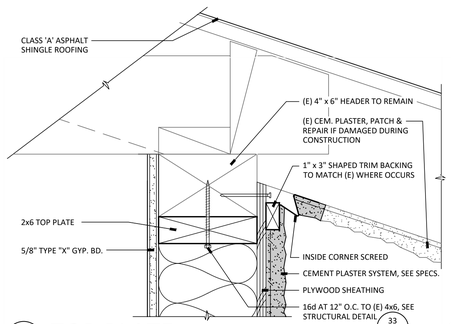
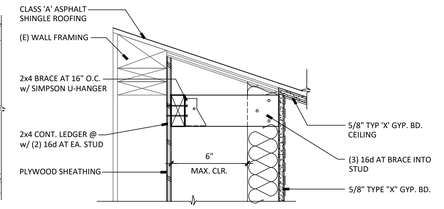


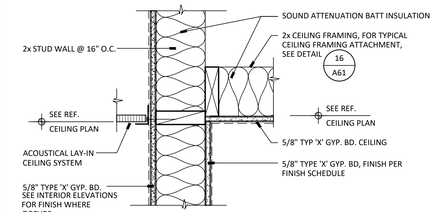
24 TOP PLATE

SCALE: 3" = 1'-0"



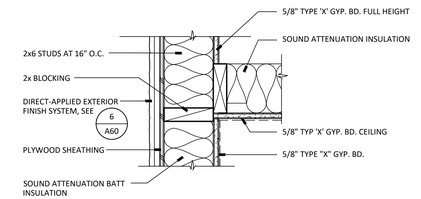
20 CEILING AT PLUMBING WALL

SCALE: 1 1/2" = 1'-0"



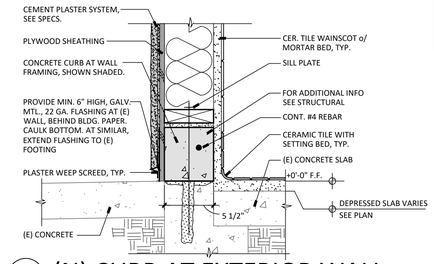
15 CEILING AT INT. WALL

SCALE: 1 1/2" = 1'-0"



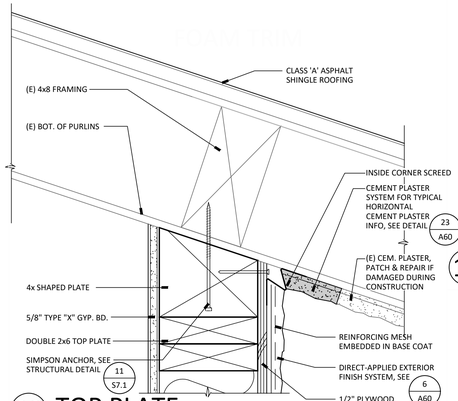
10 CEILING AT EXT. WALL

SCALE: 1 1/2" = 1'-0"



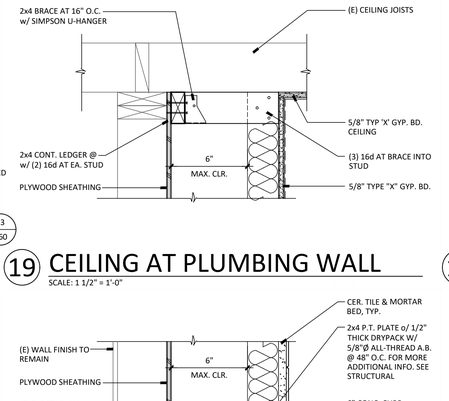
5 (N) CURB AT EXTERIOR WALL

SCALE: 1 1/2" = 1'-0"



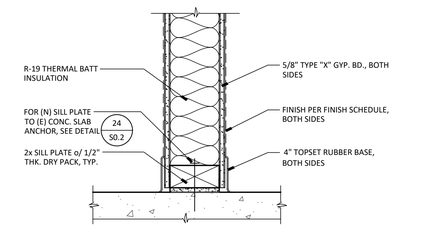
23 TOP PLATE

SCALE: 3" = 1'-0"



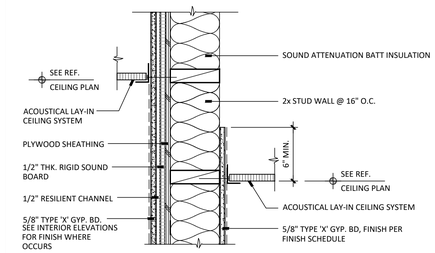
19 CEILING AT PLUMBING WALL

SCALE: 1 1/2" = 1'-0"



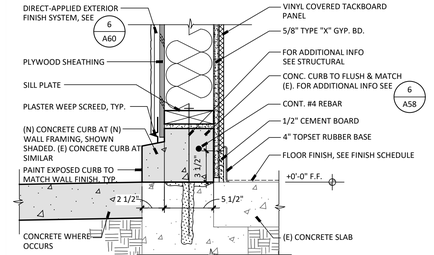
14 WALL AT BASE

SCALE: 1 1/2" = 1'-0"



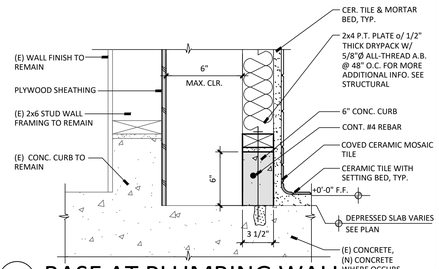
9 CEILING AT INT. WALL

SCALE: 1 1/2" = 1'-0"



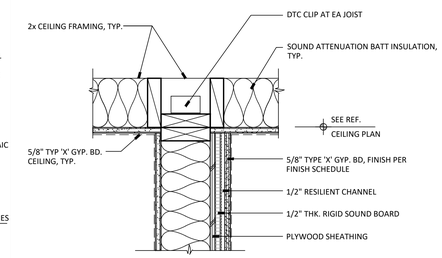
4 (N) CURB AT EXTERIOR WALL

SCALE: 1 1/2" = 1'-0"



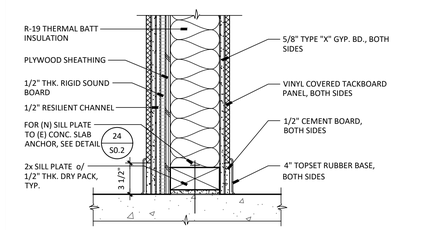
18 BASE AT PLUMBING WALL

SCALE: 1 1/2" = 1'-0"



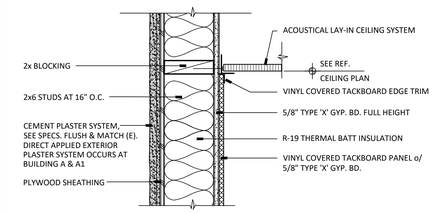
13 CEILING AT INT. WALL

SCALE: 1 1/2" = 1'-0"



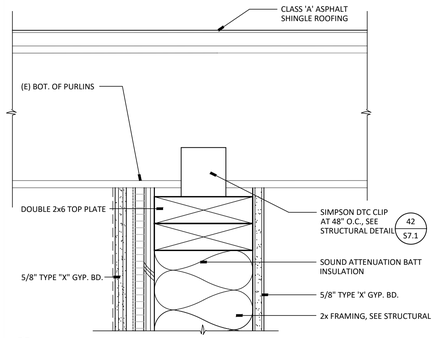
8 WALL AT BASE

SCALE: 1 1/2" = 1'-0"



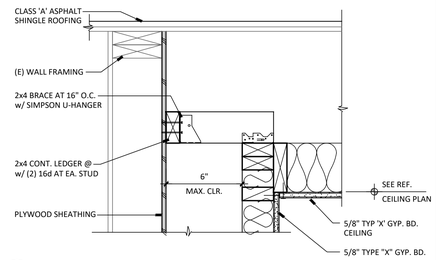
3 LAY-IN CEILING AT EXT. WALL

SCALE: 1 1/2" = 1'-0"



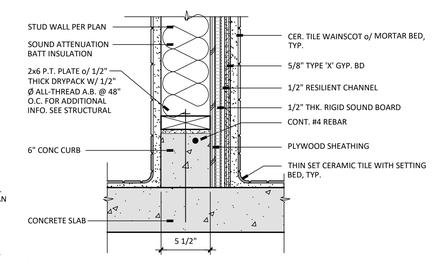
22 WALL AT ROOF

SCALE: 3" = 1'-0"



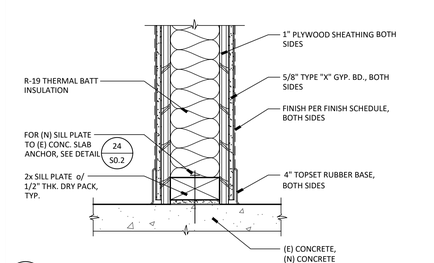
17 CEILING AT PLUMBING WALL

SCALE: 1 1/2" = 1'-0"



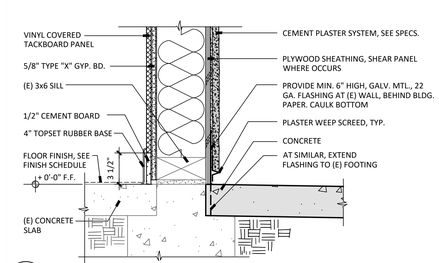
12 NEW WALL AT TOILET

SCALE: 1 1/2" = 1'-0"



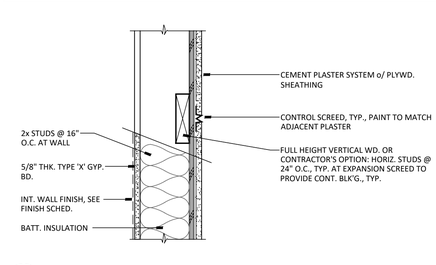
7 WALL AT BASE

SCALE: 1 1/2" = 1'-0"



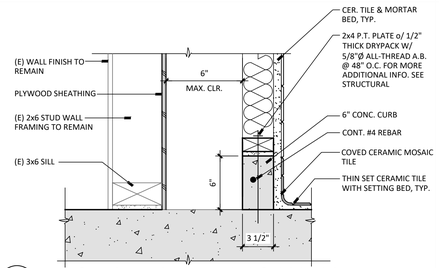
2 EXTERIOR BASE AT WALL

SCALE: 1 1/2" = 1'-0"



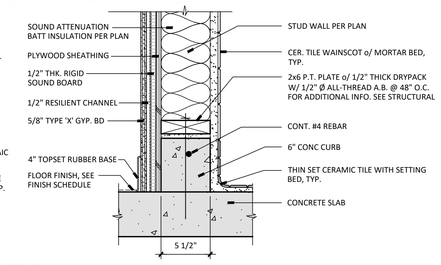
21 CONTROL SCREED

SCALE: 1 1/2" = 1'-0"



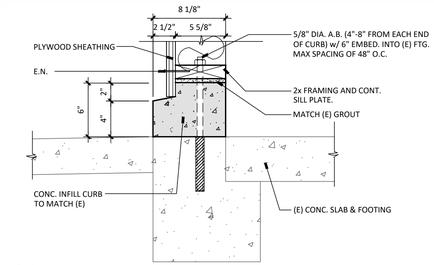
16 BASE AT PLUMBING WALL

SCALE: 1 1/2" = 1'-0"



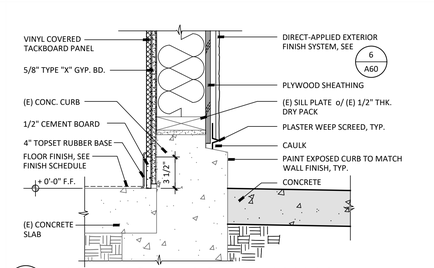
11 NEW WALL AT TOILET

SCALE: 1 1/2" = 1'-0"



6 CONCRETE CURB INFILL

SCALE: 1 1/2" = 1'-0"



1 EXTERIOR BASE AT WALL

SCALE: 1 1/2" = 1'-0"

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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4320 West Mineral King Avenue
Visalia, California 93291
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(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
WALL DETAILS

A58

PROJECT 24043

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
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HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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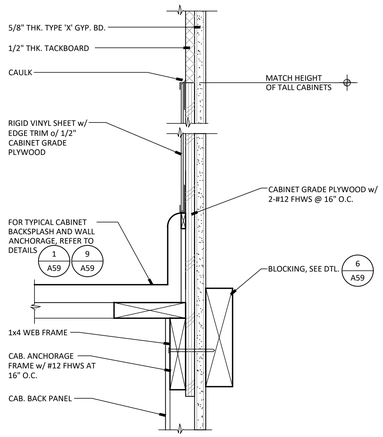
(559) 627-1926 Fax

TITLE
MILLWORK DETAILS

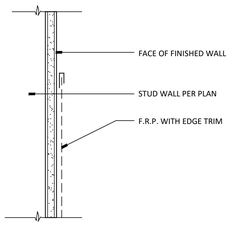
A59

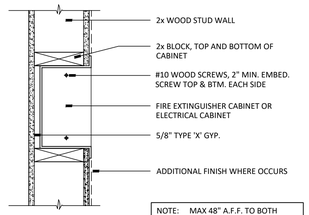
PROJECT 24043

24 RIGID VINYL SHEET AT SINK CAB.
SCALE: 3" = 1'-0"



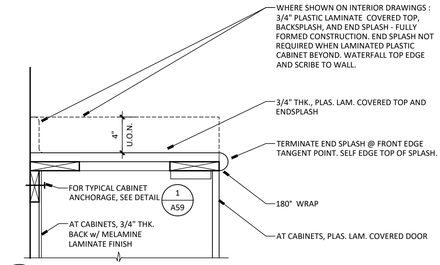
20 TOP OF F.R.P. WAINSCOT
SCALE: 3" = 1'-0"

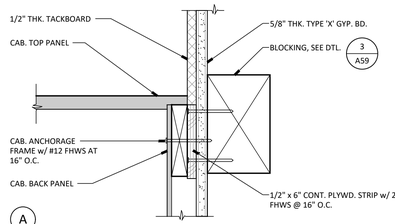




NOTE: MAX 48" A.F.F. TO BOTH HANDLE OF CABINET AND HANDLE OF F.E.

15 RECESSED FIRE EXTING. CAB.
SCALE: 1 1/2" = 1'-0"





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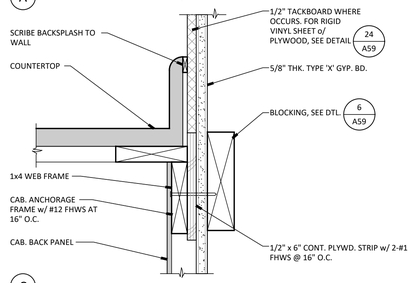

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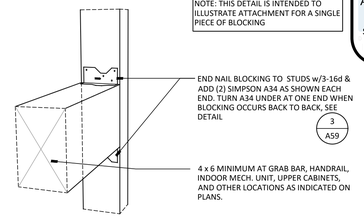
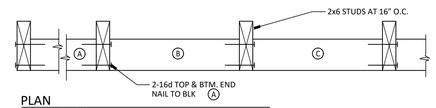
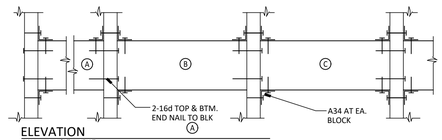


5 BLOCKING ATTACHMENT
SCALE: 1 1/2" = 1'-0"

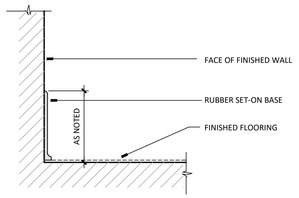


PLAN
SCALE: 1 1/2" = 1'-0"

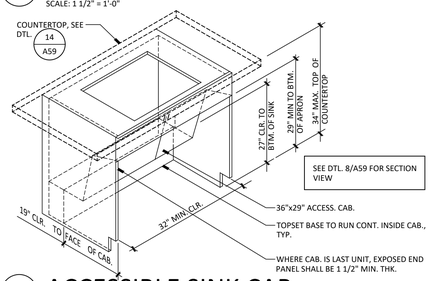


ELEVATION
SCALE: 1 1/2" = 1'-0"

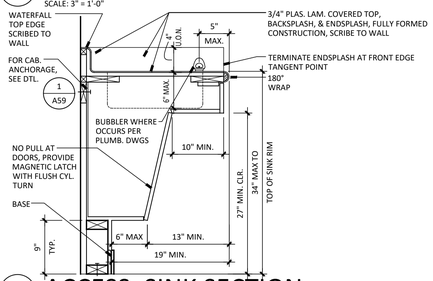
19 TOP OF TILE WAINSCOT
SCALE: 1 1/2" = 1'-0"

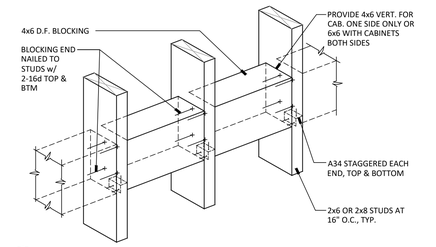


14 COUNTERTOP w/ SPLASH
SCALE: 1 1/2" = 1'-0"



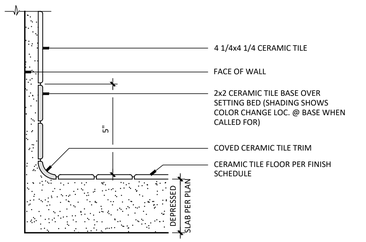
9 CAB. ANCHORAGE @ VCTB
SCALE: 3" = 1'-0"



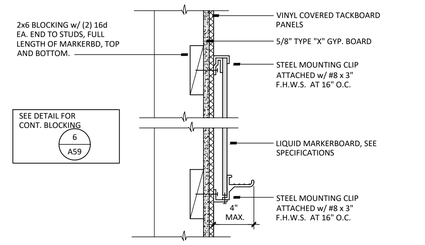


3 4x6 BLKG. AT WALL
SCALE: N.T.S.

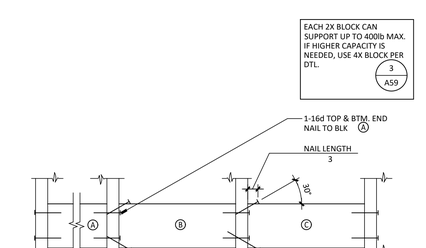
18 SET-ON BASE
SCALE: 3" = 1'-0"



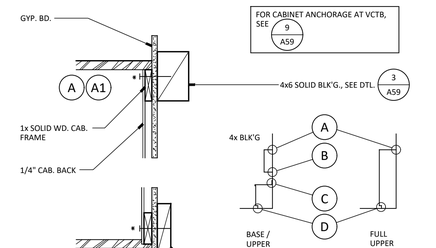
13 ACCESSIBLE SINK CAB.
SCALE: 1 1/2" = 1'-0"



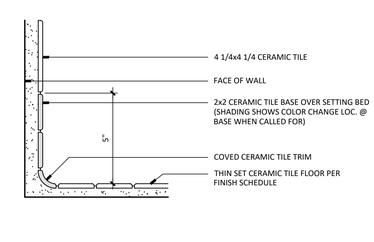
8 ACCESS. SINK SECTION
SCALE: 1" = 1'-0"



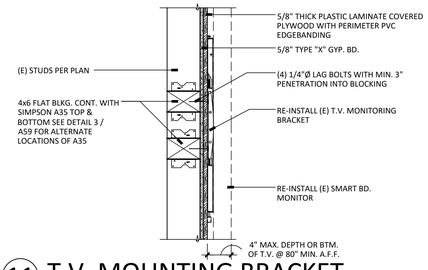
ELEVATION



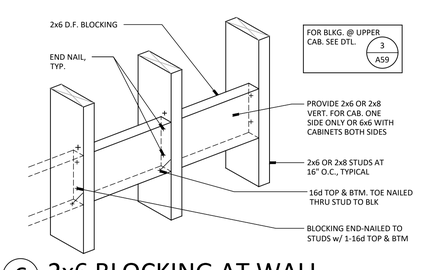
17 CERAMIC TILE BASE
SCALE: 3" = 1'-0"



12 MARKERBD. ATTACHMENT
SCALE: 1 1/2" = 1'-0"

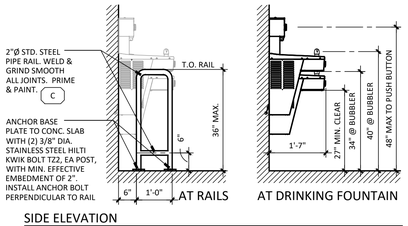


6 2x6 BLOCKING AT WALL
SCALE: N.T.S.



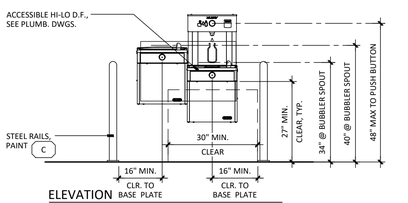
1 CAB. ANCHORAGE (AT WOOD)
SCALE: 1 1/2" = 1'-0"

21 HI-LO DRINKING FOUNTAIN
SCALE: 1/2" = 1'-0"



PLAN VIEW

SIDE ELEVATION



ELEVATION

16 CERAMIC TILE BASE (THIN SET)
SCALE: 3" = 1'-0"

11 T.V. MOUNTING BRACKET
SCALE: 1" = 1'-0"

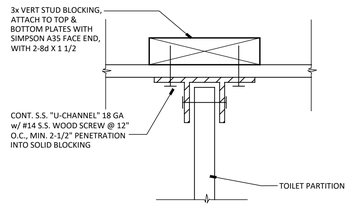
APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

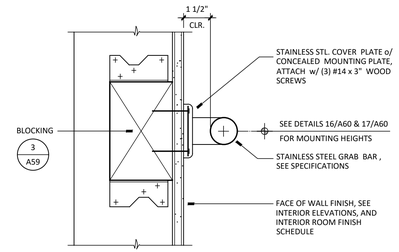
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

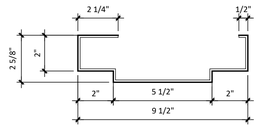
DATE: APRIL 16, 2025



20 TOILET PARTITION ANCHORAGE
SCALE: 3" = 1'-0"

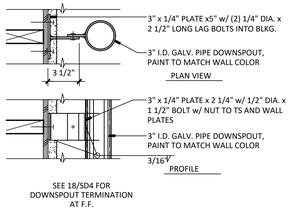


15 GRAB BAR ANCHORAGE
SCALE: 3" = 1'-0"

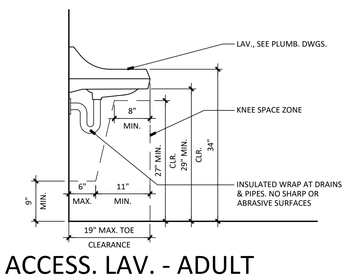


10 FRAME TYPE 2c AT BLDG A ONLY
SCALE: 3" = 1'-0"

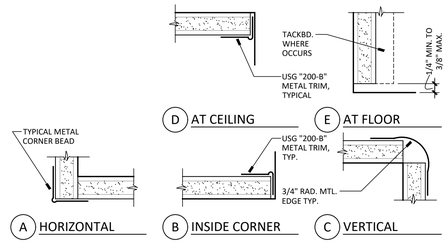
5 NOT USED
SCALE: 3" = 1'-0"



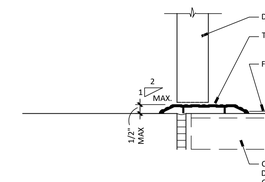
24 DOWNSPOUT
SCALE: 1 1/2" = 1'-0"



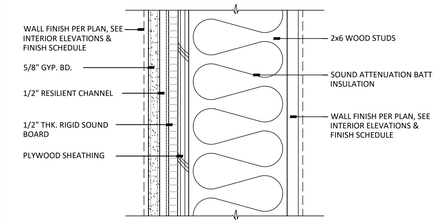
19 ACCESS. LAV. - ADULT
SCALE: 3/4" = 1'-0"



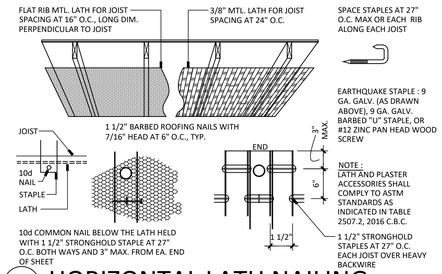
14 TYP. GYP. METAL EDGES
SCALE: 1 1/2" = 1'-0"



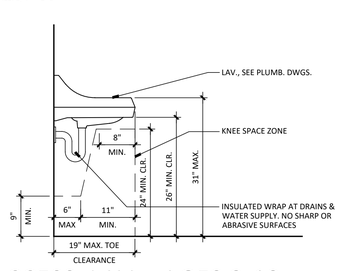
9 THRESHOLD AT INTERIOR
SCALE: 3" = 1'-0"



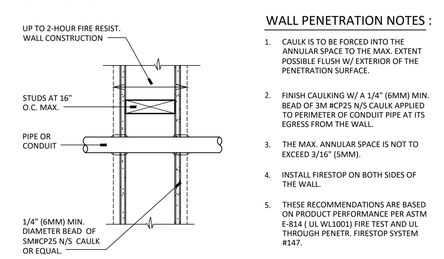
4 RIGID SOUND BOARD
SCALE: 3" = 1'-0"



23 HORIZONTAL LATH NAILING
SCALE: 1 1/2" = 1'-0"



18 ACCESS. LAV. - AGES 9-12
SCALE: 3/4" = 1'-0"

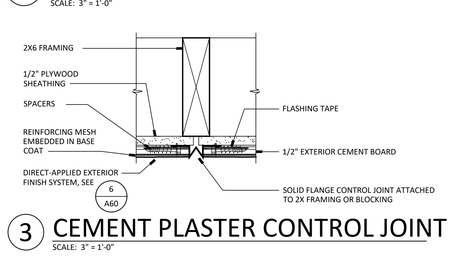


WALL PENETRATION NOTES :

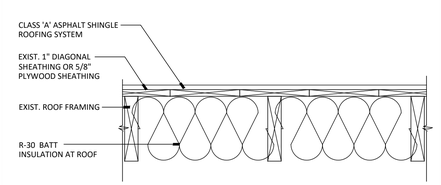
1. CAULK IS TO BE FORCED INTO THE ANNULAR SPACE TO THE MAX. EXTENT POSSIBLE FLUSH W/ EXTERIOR OF THE PENETRATION SURFACE.
2. FINISH CAULKING W/ A 1/4" (6MM) MIN. BEAD OF 3M #CP25 N/S CAULK APPLIED TO PERIMETER OF CONDUIT PIPE AT ITS EGRESS FROM THE WALL.
3. THE MAX. ANNULAR SPACE IS NOT TO EXCEED 3/16" (5MM).
4. INSTALL FIRESTOP ON BOTH SIDES OF THE WALL.
5. THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL WL1001) FIRE TEST AND UL THROUGH PENETR. FIRESTOP SYSTEM #147.

13 PENTRATIONS THRU WALL
SCALE: 1 1/2" = 1'-0"

8 THRESHOLD AT EXTERIOR
SCALE: 3" = 1'-0"



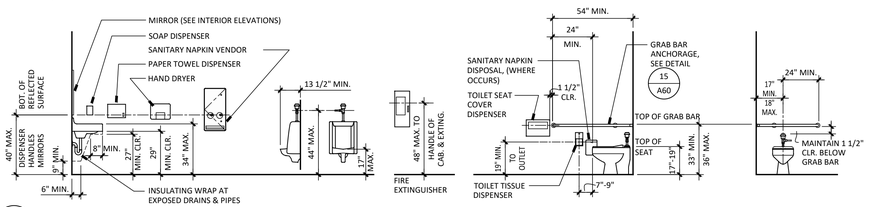
3 CEMENT PLASTER CONTROL JOINT
SCALE: 3" = 1'-0"



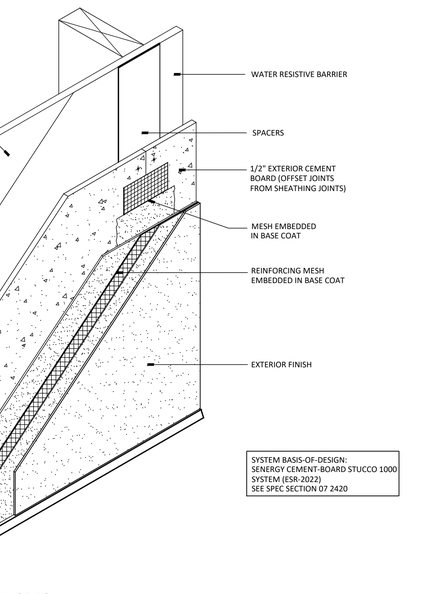
22 CEILING/ROOF ASSEMBLY
SCALE: 1 1/2" = 1'-0"

NOTES: 1) THESE DIMENSIONS ARE FOR TYPICAL MOUNTING HEIGHTS FOR ACCESSIBLE FIXTURES AND ACCESSORIES. UNLESS OTHERWISE NOTED. REFER TO FLOOR PLANS, INTERIOR ELEVATIONS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

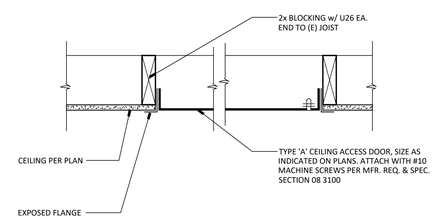
2) REFER TO THE SPECIFICATIONS FOR TOILET ROOM ACCESSORIES.



17 TYPICAL ACCESSIBLE MOUNTING HEIGHTS - ADULT
SCALE: 1/4" = 1'-0"



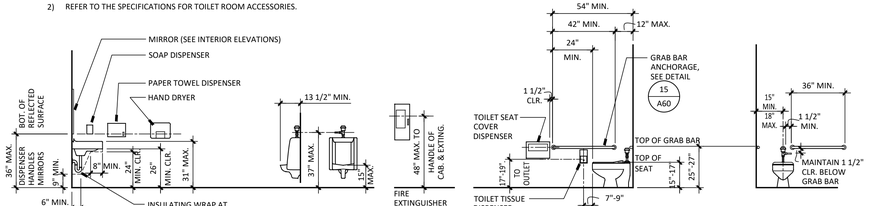
6 DIRECT-APPLIED EXTERIOR FINISH SYSTEM
SCALE: N.T.S.



21 ATTIC ACCESS DOOR
SCALE: 1 1/2" = 1'-0"

NOTES: 1) THESE DIMENSIONS ARE FOR TYPICAL MOUNTING HEIGHTS FOR ACCESSIBLE FIXTURES AND ACCESSORIES. UNLESS OTHERWISE NOTED. REFER TO FLOOR PLANS, INTERIOR ELEVATIONS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

2) REFER TO THE SPECIFICATIONS FOR TOILET ROOM ACCESSORIES.



16 TYPICAL ACCESSIBLE MOUNTING HEIGHTS - AGES 9-12
SCALE: 1/4" = 1'-0"

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

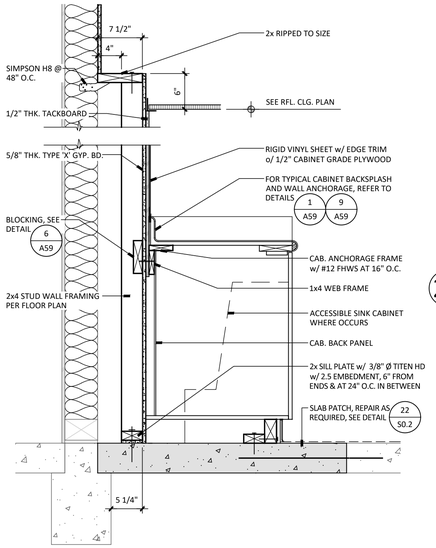
REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-2630 Office
(559) 627-1926 Fax

TITLE
TYPICAL DETAILS

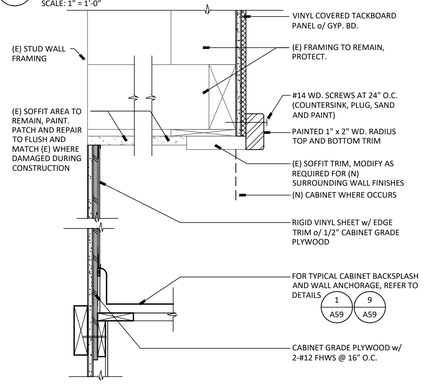
A60

PROJECT 24043



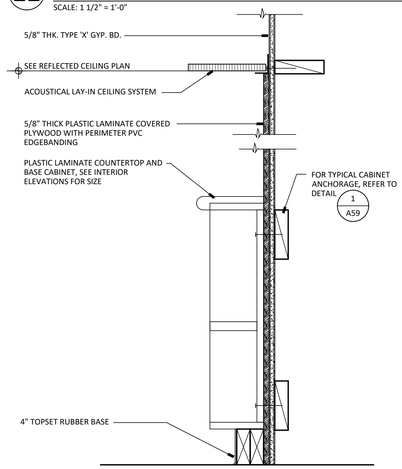
24 CABINET @ FURRED WALL

SCALE: 1" = 1'-0"



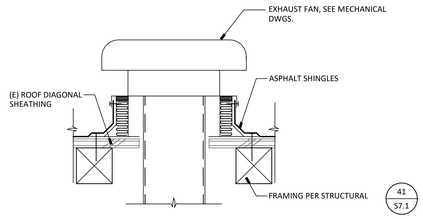
22 RIGID VINYL SHEET AT SINK CAB.

SCALE: 1 1/2" = 1'-0"



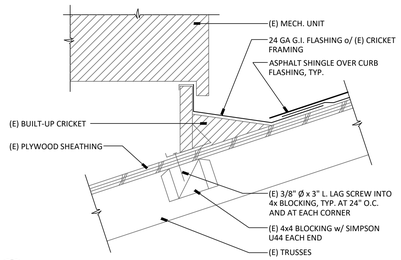
21 OPEN CABINET / WALL PANEL

SCALE: 1 1/2" = 1'-0"



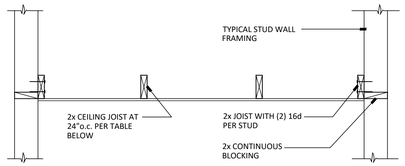
20 EXHAUST FAN FLASHING

SCALE: 3" = 1'-0"

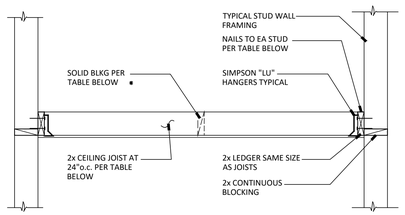


19 ROOF CURB MOUNTING

SCALE: 1 1/2" = 1'-0"



AT JOISTS PARALLEL TO WALL



AT LEDGERS

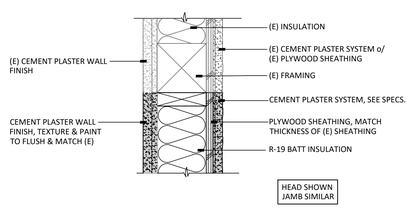
JOIST SIZE	MAX SPAN		LEDGER NAILS	BLOCKING (NOTE #5)
	GYP BD	PLASTER		
2x4	6'-0"	4'-0"	(2) 16d	NOT REQ'D
2x6	12'-0"	8'-0"	(2) 16d	MID-SPAN
2x8	16'-0"	12'-0"	(3) 16d	MID-SPAN
2x10	20'-0"	16'-0"	(3) 16d	TWO ROWS
2x12	24'-0"	20'-0"	(4) 16d	TWO ROWS

NOTES:

1. DESIGN LOADS: DL=6psf AT GYP BD; 10psf AT PLASTER
   LL=10psf
2. AT CONTRACTOR'S OPTION, 10d x 1½" NAILS MAY BE USED FOR ATTACHMENT OF JOIST HANGERS TO LEDGERS.
3. SPACE CEILING JOISTS @ 24"o.c. AT FIRE RATED CONSTRUCTION, WHERE REQ'D PER ARCH DWGS.
4. SEE "TYPICAL FRAMING AT OPENINGS" FOR FRAMING AT OPENINGS OR RECESSED FIXTURES
5. ROWS OF BLOCKING TO BE EQUALLY SPACED BETWEEN SUPPORTS.

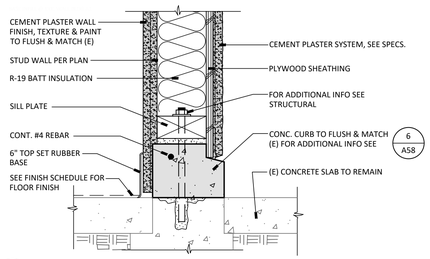
16 TYPICAL CEILING FRAMING

SCALE: 1" = 1'-0"



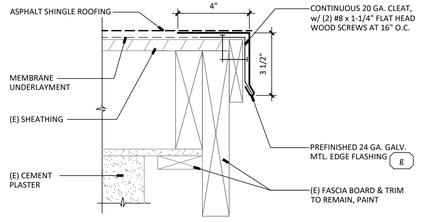
15 CEMENT PLASTER WALL INFILL

SCALE: 1 1/2" = 1'-0"



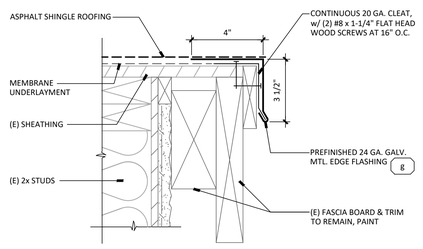
14 BASE INFILL @ EXT. WALL

SCALE: 1 1/2" = 1'-0"



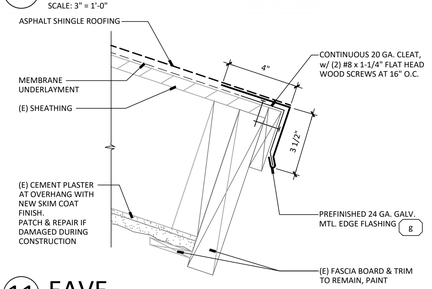
13 RAKE

SCALE: 3" = 1'-0"



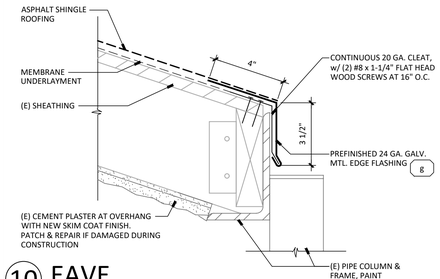
12 RAKE

SCALE: 3" = 1'-0"



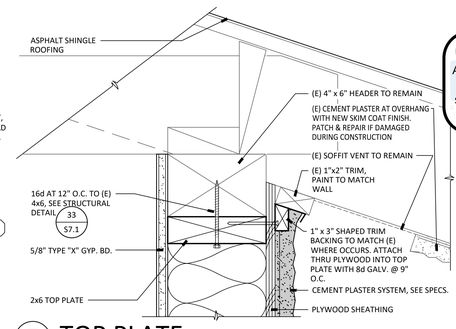
11 EAVE

SCALE: 3" = 1'-0"



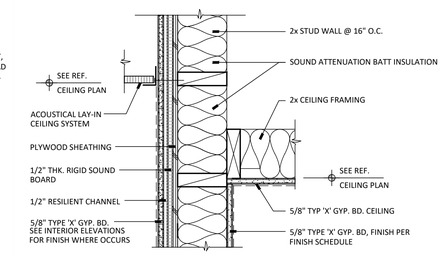
10 EAVE

SCALE: 3" = 1'-0"



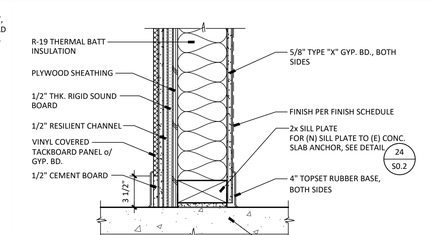
5 TOP PLATE

SCALE: 3" = 1'-0"



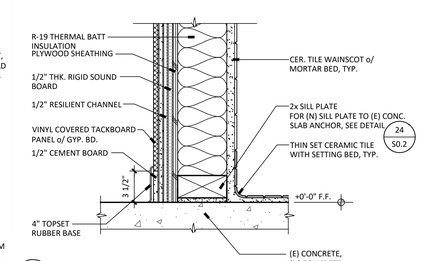
9 EAVE

SCALE: 3" = 1'-0"



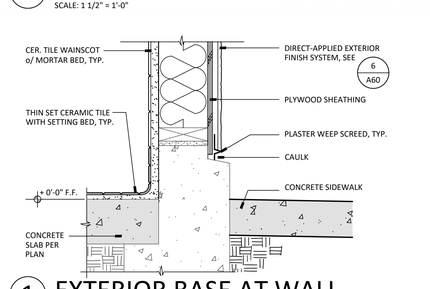
8 RAKE

SCALE: 3" = 1'-0"



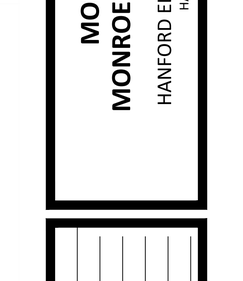
7 EAVE

SCALE: 3" = 1'-0"



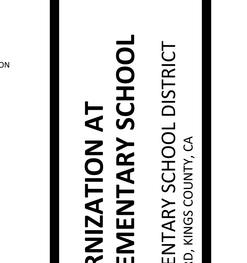
6 CURB FLASHING

SCALE: 1 1/2" = 1'-0"



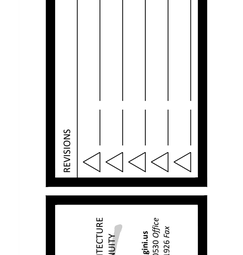
4 CEILING AT INT. WALL

SCALE: 1 1/2" = 1'-0"



3 WALL AT BASE

SCALE: 1 1/2" = 1'-0"



2 WALL AT BASE

SCALE: 1 1/2" = 1'-0"

1 EXTERIOR BASE AT WALL

SCALE: 1 1/2" = 1'-0"

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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TITLE
DETAILS

A61

PROJECT 24043

APPROVALS

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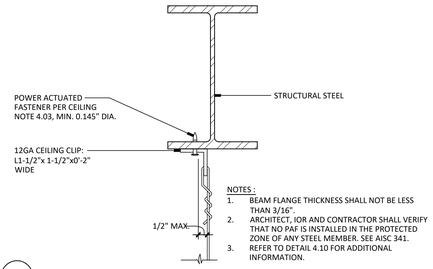
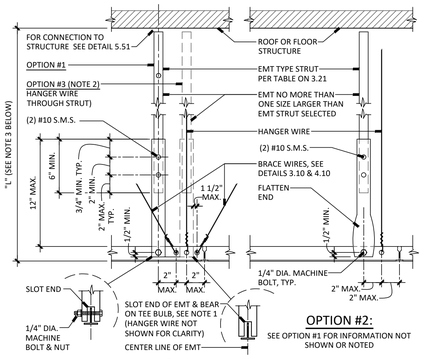


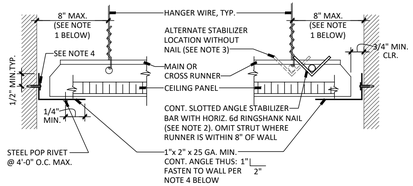
4.23 HANGER WIRE CONNECTION TO STRUCTURAL STEEL
SCALE: N.T.S.



OPTION #1 & #3:

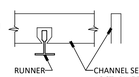
NOTES:
1. MACHINE BOLT IS NOT REQUIRED ON OPTION 3
2. OPTION 3 IS PERMITTED ONLY WHERE THE ROOF OR FLOOR STRUCTURE IS SAWN TIMBER WITHOUT GYPSUM BOARD.
3. LENGTH GIVEN IN THE TABLE ON 3.21 FOR THE COMPRESSION STRUT IS USED

3.20 COMPRESSION STRUT - EMT TYPE
SCALE: 1/2" = 1'-0"



ATTACHED JOINT

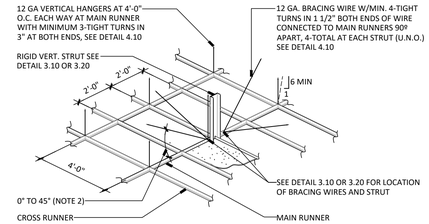
FREE JOINT



STABILIZER (SEE NOTE 3)

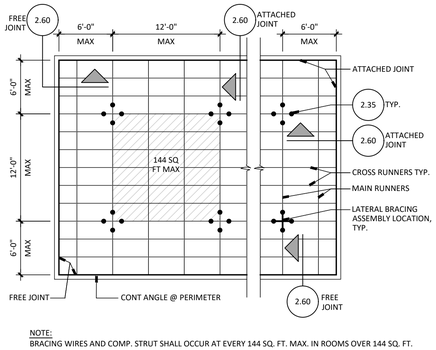
NOTES:
1. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.
2. NAILS AT ENDS OF HORIZONTAL STABILIZERS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTER LINE OF SPAN OF STRUT.
3. STABILIZER BAR MAY BE SLOTTED APPROVED ANGLES OR CHANNELS WITH "DIAMOND POINTS" OF SPRING STEEL WHICH SNAP TIGHT TO PREVENT MOVEMENT OF STRUT.
4. FASTEN ANGLE TO WALL STUD OR BLOCKING AS FOLLOWS:
   A. METAL STUD (20 GA. MIN.) WALL: (1) #10 SMS AT 24" O.C. MAX.
   B. WOOD STUD WALL: #10x2" LONG WOOD SCREW AT 16" O.C. MAX.

2.60 CEILING PERIMETER
SCALE: 1 1/2" = 1'-0"



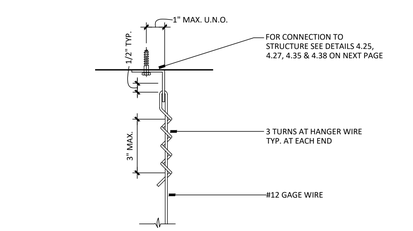
NOTES:
1. STRUTS SHALL NOT REPLACE HANGER WIRES.
2. THE MINIMUM ACCEPTABLE ANGLE IS DETERMINED SUCH THAT THE WIRES DO NOT INTERFERE WITH THE RUNNERS, LIGHT FIXTURES, ETC. AND REMAIN STRAIGHT AND UNOBSTRUCTED.

2.35 SUSPENSION AND LATERAL BRACING ASSEMBLY
SCALE: 1/4" = 1'-0"

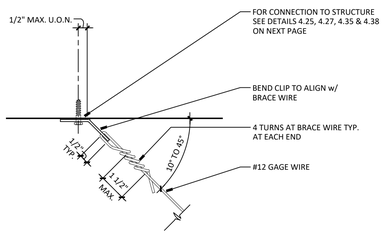


NOTE:
BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 144 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.

2.12 CEILING PLAN FOR 12'-0"x12'-0" BRACE ASSEMBLY SPACING
SCALE: 1/8" = 1'-0"

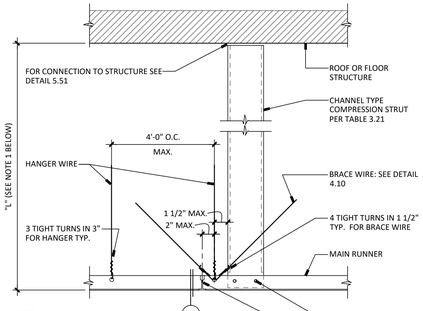


B HANGER WIRE

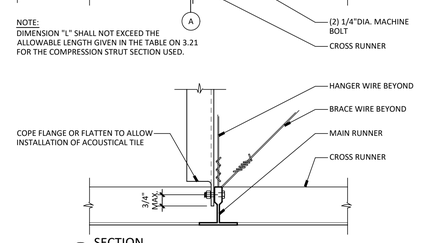


A BRACE WIRE

4.10 HANGER AND BRACE WIRE CONNECTION - TYP. WIRE TURNS
SCALE: 3" = 1'-0"



NOTE:
DIMENSION "L" SHALL NOT EXCEED THE ALLOWABLE LENGTH GIVEN IN THE TABLE ON 3.21 FOR THE COMPRESSION STRUT SECTION USED.



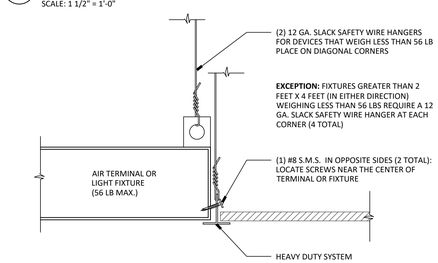
A SECTION
SCALE: 3" = 1'-0"

3.10 COMPRESSION STRUT - CHANNEL TYPE
SCALE: 1 1/2" = 1'-0"

COMPRESSION STRUT EMT SECTION	MAXIMUM LENGTH
1/2" DIAMETER EMT (0.042" WALL THICKNESS)	3'-11"
3/4" DIAMETER EMT (0.049" WALL THICKNESS)	6' - 4"
1" DIAMETER EMT (0.057" WALL THICKNESS)	9' - 9"
1 1/4" DIAMETER EMT (0.065" WALL THICKNESS)	12' - 9"
1 1/2" DIAMETER EMT (0.065" WALL THICKNESS)	14' - 9"
2" DIAMETER EMT (0.065" WALL THICKNESS)	18' - 10"

COMPRESSION STRUT CHANNEL SECTION	MAXIMUM LENGTH
250S125-33	5' - 10"
250S137-33	6' - 10"
362S137-33	8' - 0"
250S137-43	8' - 10"
400S137-43	10' - 10"

3.21 COMPRESSION STRUT TABLE
SCALE: N.T.S.



2.80 LUMINARE / AIR TERMINAL SUPPORT
SCALE: N.T.S.

1.0 SUSPENDED CEILING NOTES
SCALE: N.T.S.

1. CEILING SYSTEM GENERAL NOTES PER DA IR25-2:
1.01 Ceiling system components shall comply with ASTM C635 and Section 5.1 of ASTM E580.
1.02 The ceiling grid system shall be rated heavy duty as defined by ASTM C635.
1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:

Manufacturer's Name:	Chicago Metallic Corp. Series 1250	Armstrong Prelude XL Heavy Duty
Product Evaluation Report Type and Number:	ESR-2631	ESR-1308
Manufacturer's Model Number - Main Runner:	No. 270	No. 7301
Manufacturer's Catalog Number - Cross Runner:	No. 1254 or 1274	No. XL-7342
1.04 Seismic Wall Clip: Manufacturer's Model:	No. 1496	BERC-2

1.05 Ceiling panels shall not support any light fixtures, air terminals or devices.
1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide 3/4" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide 3/4" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip.

2. MATERIALS:
2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641. Wire shall be #12 gage (0.106 diameter) with soft temper and minimum tensile strength = 70 ksi.
2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653, or other equivalent sheet steel listed in Section A3.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members, (AISIS100).Material 43 mil (18 gage) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gage) and heavier shall have a minimum yield strength of 50 ksi.
2.03 Electrical metallic tube (EMT) shall conform to ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength of 30 ksi and minimum ultimate strength of 48 ksi.

3. ATTACHMENT OF HANGER AND BRACING WIRES:
3.01 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.
3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment.
3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.
3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.
3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire. (e.g. bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.)

4. FASTENERS AND WELDING:
4.01 Sheet metal screws shall comply with ASTM C1513 and ASME B18.6.3. Penetration of screws through joined material shall not be less than three exposed threads.
4.02 Expansion anchors shall be: "HILTI" KB-TZ2 (ESR-4266)
4.03 Power-Actuated Fasteners shall be: "HILTI" X-U (ESR-2269)
4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.
4.05 Power-actuated fasteners in concrete are not permitted for bracing wires.
4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post - installed anchor.
4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING: All field testing must be performed in the presence of the project inspector.
5.01 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power actuated fasteners in concrete shall be field tested for 200 lbs. in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1913A.7.
5.02 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1913A.7.

6. LIGHT FIXTURES:
6.01 All light fixtures shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.1.
6.02 Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gage. Rotational spring catches do not comply. A #12 gage slack safety wire shall be connected from each clamping device to the structure above. Provide additionalsupports when light fixtures are eight (8) feet or longer or exceed 56 lb. Maximum spacing between supports shall not exceed eight (8) feet.
6.03 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above. 6.04 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.
6.05 Light fixtures weighing greater than 10 lb. but less than or equal to 56 lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gage slack safety wires connected from the fixture housing at diagonal corners to the structure above. Exception: All light fixtures greater than two by four feet weighing less than 56 lbs. shall have a #12 gage slack safety wire at each corner.
6.06 All light fixtures weighing greater than 56 lb. shall be independently supported by not less than four (4) taut #12 gage hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four (4) taut #12 gage wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four (4) times the weight of the fixture.

7. SERVICES WITHIN THE CEILING:
7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.
7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 lb. shall have one (1) #12 gage slack safety wire attached from the terminal or service to the structure above.
7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lb. but less than or equal to 56 lb. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.
7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lb. shall be supported directly from the structure above by not less than four (4) taut #12 gage hanger wires attached from the terminal or service to the structure above or other approved hangers.

8. OTHER DEVICES WITHIN THE CEILING:
8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lbs. shall have a #12 gage slack safety wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.

1 SUSPENDED CEILING DETAILS
SCALE: VARIES

SEE NEXT PAGE FOR ADDITIONAL DETAILS

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HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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TITLE
DETAILS

A62

PROJECT 24043

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TITLE
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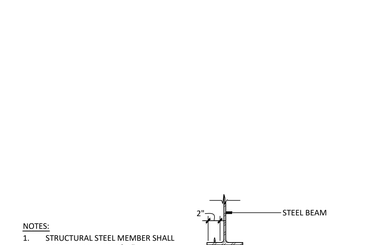
PROJECT 24043

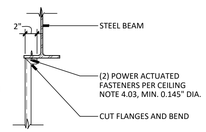


NOTES :
1. BEAM FLANGE THICKNESS SHALL NOT BE LESS THAN 3/16".
2. ARCHITECT, IOR, AND CONTRACTOR SHALL VERIFY THAT NO POWER ACTUATED FASTENER IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER. SEE AISC 341.
3. REFER TO DETAIL 4.10 FOR ADDITIONAL INFORMATION.

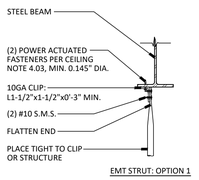
4.33 BRACE WIRE CONNECTION TO STRUCTURAL STEEL

SCALE: N.T.S.

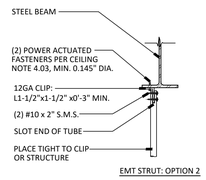
NOTES:
1. STRUCTURAL STEEL MEMBER SHALL NOT BE LESS THAN 3/16".
2. ARCHITECT, I.O.R. AND CONTRACTOR SHALL VERIFY THAT NO POWER ACTUATED FASTENER IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE AISC 341.



CHANNEL STRUT



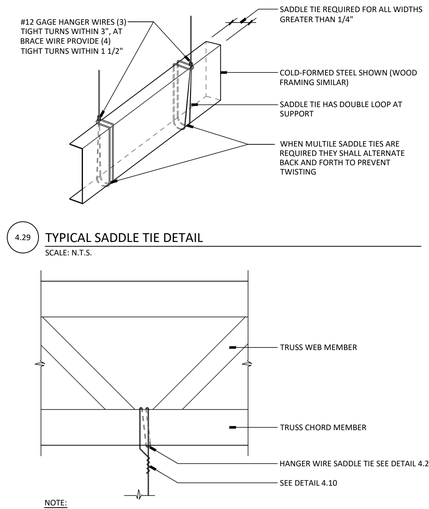
EMT STRUT: OPTION 1



EMT STRUT: OPTION 2

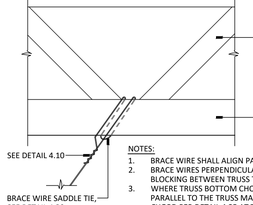
5.40 STRUT CONNECTION TO STRUCTURAL STEEL

SCALE: 1" = 1'-0"



4.29 TYPICAL SADDLE TIE DETAIL

SCALE: N.T.S.



NOTES:
1. BRACE WIRE SHALL ALIGN PARALLEL WITH THE TRUSS BOTTOM CHORD.
2. BRACE WIRES PERPENDICULAR TO THE TRUSS SHALL BE INSTALLED TO BLOCKING BETWEEN TRUSS TOP CHORDS PER DETAIL 4.35.
3. WHERE TRUSS BOTTOM CHORD IS A 2x4 OR GREATER, BRACE WIRES PARALLEL TO THE TRUSS MAY BE ATTACHED TO THE TOP OR BOTTOM CHORD PER DETAIL 4.35 AT THE CONTRACTOR'S OPTION.

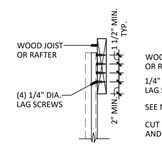
4.38 BRACE WIRE CONNECTION TO WOOD CHORD TRUSS

SCALE: 1" = 1'-0"

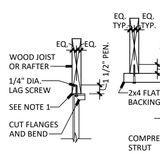
NOTE:
WHERE THE TRUSS BOTTOM CHORD IS A 2x4 OR GREATER, HANGER WIRE MAY BE ATTACHED PER DETAIL 4.25 AT THE CONTRACTOR'S OPTION.

4.27 HANGER WIRE CONNECTION TO WOOD CHORD TRUSS

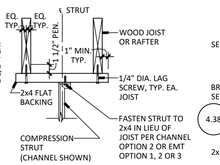
SCALE: 1" = 1'-0"



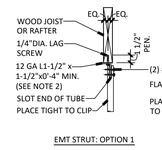
CHANNEL STRUT: OPTION 1



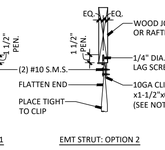
CHANNEL STRUT: OPTION 2



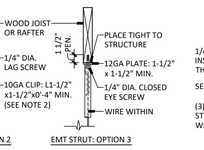
CHANNEL OR EMT STRUT: BETWEEN JOIST



EMT STRUT: OPTION 1



EMT STRUT: OPTION 2

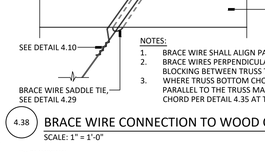


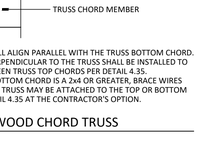
EMT STRUT: OPTION 3

NOTES:
1. WEB OF CHANNEL TO BEAR WITHIN WIDTH OF WOOD MEMBER.
2. VERTICAL LEG OF MEMBER TO FALL WITHIN THE WIDTH OF THE WOOD MEMBER.
3. SEE DETAIL 5.50 FOR ADDITIONAL INFORMATION.
4. PEN. = MINIMUM PENETRATION OF LAG SCREW THREADS INTO THE WOOD MEMBER.
5. NO. 14 WOOD SCREW MAY BE USED IN LIEU OF 1/4" LAG SCREW.

5.51 STRUT CONNECTION TO SAWN TIMBER WITHOUT GYP. BOARD

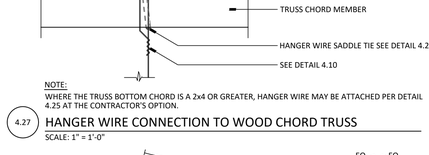
SCALE: 1" = 1'-0"





4.35 BRACE WIRE CONNECTION TO SAWN TIMBER

SCALE: 1" = 1'-0"



NOTE: WHEN FIRE RATED GYP. BOARD IS INSTALLED ON THE BOTTOM FLANGES, USE SCREW EYES W/ SUFFICIENT LENGTH TO AVOID DAMAGING THE FIRE RATED GYP. BOARD AND MEET MIN. PENETRATION.

4.25 HANGER WIRE CONNECTION TO SAWN TIMBER

SCALE: 1 1/2" = 1'-0"

1 SUSPENDED CEILING DETAILS

SCALE: VARIES

SEE PREVIOUS PAGE FOR ADDITIONAL DETAILS

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31126
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

FRAMING LUMBER

1. FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH AND GRADE MARKED PER WWPA SPECIFICATIONS AS FOLLOWS (NOMINAL DIMENSIONS):

   STUDS ..... NO. 2 OR BETTER
   LIGHT FRAMING (T = 2"-4", W = 2"-4") ..... NO. 2 OR BETTER
   JOIST & PLANKS (T = 2"-4", W >= 5") ..... NO. 2 OR BETTER
   BEAMS & STRINGERS (T >= 5", W > T+2") ..... NO. 1 OR BETTER
   POSTS & TIMBERS (T >= 5", W <= T+2") ..... NO. 1 OR BETTER

2. ALL FRAMING LUMBER 2" TO 4" THICK SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
3. ALL WOOD BEARING ON CONCRETE SLABS PLACED ON EARTH SHALL BE PRESSURE TREATED DOUGLAS FIR NO. 1 OR BETTER, UNLESS NOTED OTHERWISE. EACH PIECE SHALL BEAR THE GRADEMARK OF AN AGENCY ACCREDITED BY THE AMERICAN LUMBER STANDARDS COMMITTEE.
4. PROVIDE DRYPACK UNDER ALL SILL PLATES AT BEARING AND SHEAR WALLS WHERE CONCRETE FOUNDATION IS NOT PERFECTLY LEVEL.
5. STRUCTURAL PLYWOOD SHALL CONFORM TO APA PDS (LATEST EDITION), UNLESS NOTED OTHERWISE, PLYWOOD SHALL BE APA RATED SHEATHING, C-D, EXPOSURE 1. SEE DRAWINGS FOR REQUIRED THICKNESS AND PANEL INDEX.
6. FRAMING HARDWARE SHALL BE AS MANUFACTURED BY "SIMPSON" OR "UNITED STEEL PRODUCTS (USP)". ALL HOLES TO RECEIVE NAILS. SUBSTITUTIONS FOR FRAMING HARDWARE NOT BE MADE UNLESS APPROVED.
7. NAILING SHALL CONFORM TO TABLE 2304.10.2 OF THE 2022 C.B.C. UNLESS OTHERWISE NOTED AS MORE RESTRICTIVE. USE COMMON NAILS.
8. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED UNLESS SPECIFICALLY SHOWN, NOTED, OR APPROVED BY THE ENGINEER.
9. PROVIDE STANDARD CUT WASHERS UNDER HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD.
10. BOLT HOLES SHALL BE NOMINAL DIAMETER OF BOLT PLUS 1/16 INCH UNLESS OTHERWISE NOTED.
11. SPACE ALL BOLTS IN WOOD 4 DIAMETERS MINIMUM WITH 7 DIAMETERS MINIMUM END DISTANCE, UNLESS NOTED OTHERWISE.
12. ALL FINISH LUMBER SHALL BE CLEAR, SOUND, DRY DOUGLAS FIR-LARCH FINISHED IN A NEAT MANNER READY FOR FINISH MATERIAL.
13. PROVIDE BLOCKING AND BACKING AS REQUIRED FOR HARDWARE AND OTHER EQUIPMENT AS INDICATED ON PLANS.
14. ALL BOLTS SHALL BE RE-TIGHTENED PRIOR TO THE APPLICATION OF SHEATHING, PLASTER, ETC.
15. LAGS SCREWS SHALL BE SCREWED IN, NOT DRIVEN. LEAD HOLE FOR THREADED PORTION SHALL BE 75% OF THE SHANK DIAMETER.
16. PREDRILL HOLES WHERE WOOD TENDS TO SPLIT.
17. FIRE BLOCKS MUST BE CONSTRUCTED IN ACCORDANCE WITH 2022 C.B.C. SECTION 718.2.1 AND PROVIDED WHERE INDICATED BY SECTION 718.2.
18. DRAFT STOPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH 2022 C.B.C. SECTION 718.3.1 AND PROVIDED WHERE INDICATED BY SECTION 718.3.
19. PLACE 2X SOLID BLOCKING BETWEEN JOISTS OR RAFTERS OVER ALL SUPPORTS. BLOCKING SHALL BE FULL DEPTH OF JOISTS. FASTEN TO WALL PER 2022 C.B.C. TABLE 2304.10.2, U.N.O.
20. ALL JOISTS AND BEAMS WHICH DO NOT BEAR DIRECTLY ON A SUPPORT SHALL BE PROVIDED WITH "SIMPSON" OR "USP" 'U' HANGERS OF MATCHING SIZE OR EQUIVALENT, UNLESS HEAVIER CONNECTIONS ARE SHOWN.
21. FULL-LENGTH, SOLID-SAWN LUMBER SHALL BE USED THROUGHOUT UNLESS OTHERWISE DETAILED ON THE PLANS. END-JOINTED ("FINGER-JOINTED") LUMBER SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER.
22. ANCHOR BOLTS USE TO SECURE WOOD SILL PLATES TO CONCRETE CURBS, FOOTINGS OR SLAB SHALL CONFORM TO ASTM F1554, GR. 36. PROVIDE STANDARD CUT WASHERS AND HEXT NUTS CONFORMING TO ASTM A563 AND ASTM F436, RESPECTIVELY. TIGHTEN NUTS SNUG-TIGHT AFTER FRAMING IS IN PLACE.

NAILING SCHEDULE:

NAILING SHOWN BELOW IS MINIMUM PERMISSIBLE PER 2022 C.B.C. TABLE 2304.10.2. DETAILS SHALL GOVERN WHEN THEIR NAILING IS MORE STRINGENT. ALL NAILS SHALL BE COMMON WIRE NAILS AND THEY SHALL BE DRIVEN PERPENDICULAR TO THE GRAIN.

1. JOIST TO SILL OR GIRDER, TOENAIL 3-8d
2. BRIDGING TO JOIST, TOENAIL EACH END 2-8d
3. 1" X 6" SUBFLOOR OR LESS TO EACH JOIST, F.N 2-8d
4. WIDER THAN 1" X 6" SUBFLOOR TO EACH JOIST, F.N 3-8d
5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND F.N 2-16d
6. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL ..... 16d AT 16" O.C.
7. TOP PLATE TO STUD, END NAIL 2-16d
8. STUD TO SOLE PLATE ..... 4-8d TOENAIL OR 2-16d END NAIL
9. DOUBLE STUDS, FACE NAIL ..... 16d AT 24" O.C.
10. DOUBLED TOP PLATES, FACE NAIL ..... 16d AT 16" O.C.
11. DOUBLED TOP PLATES, LAP SPLICE 8-16d
12. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PL ..... 3-8d TOE NAIL
13. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL 2-16d
14. CONTINUOUS HEADER, TWO PIECES ..... 16d AT 16" O.C. ALONG EACH EDGE
15. CEILING JOISTS TO PLATE, TOENAIL 3-8d
16. CONTINUOUS HEADER TO STUD, TOENAIL 4-8d
17. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL 3-16d
18. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL 3-16d
19. JOISTS OR RAFTERS AT ALL BEARINGS, T.N. EA. SIDE 2-10d
20. 1" BRACE TO EACH STUD AND PLATE, FACE NAIL 2-8d
21. 1" X 6" SHEATHING OR LESS TO EACH BEARING, F.N 2-8d
22. WIDER THAN 1" X 8" SHEATHING TO EACH BEARING ..... 3-8d (FACE NAIL)
23. BUILT-UP CORNER STUDS ..... 16d AT 24" O.C.

CONCRETE NOTES

1. THE QUALITY, DESIGN AND PLACEMENT OF CONCRETE SHALL BE IN ACCORDANCE WITH THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE (C.B.C.), EXCEPT ITEMS NOT SPECIFICALLY COVERED THEREIN SHALL ALSO CONFORM TO ACI 318, LATEST EDITION, MAXIMUM SLUMP SHALL BE 5 INCHES.
2. UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS:

   FOOTINGS, STEMWALLS & PIERS ..... 3000 PSI
   SLABS ON GRADE ..... 3000 PSI

3. MATERIALS USED IN THE CONCRETE MIX SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:

   AGGREGATE (NORMAL-WEIGHT CONCRETE, 1-1/2" MAX) ..... ASTM C-33
   PORTLAND CEMENT (TYPE II, U.N.O.) ..... ASTM C-150
   ADMIXTURES ..... NOT ALLOWED W/O APPROVAL
   WATER ..... POTABLE

4. READY-MIXED CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C-94 OR C-685.
5. ALL EXPOSED INTERIOR CONCRETE FLOORS ARE TO RECEIVE A STEEL TROWELED FINISH.
6. UNLESS NOTED OTHERWISE, ALL EXPOSED EXTERIOR CONCRETE SLABS ARE TO RECEIVE A MEDIUM BROOM FINISH.
7. FORMS FOR PERMANENTLY EXPOSED SURFACES SHALL PRODUCE A SMOOTH, EVEN, LEVEL FINISH WITHOUT FINS. DESIGN OF FORM WORK SHALL TAKE INTO CONSIDERATION THE REQUIREMENTS OF ACI 318-19 SECTION 26.11.1.2.
8. UNLESS NOTED OTHERWISE, ALL EXPOSED EDGES OF CONCRETE SURFACES SHALL RECEIVE A 3/4" MINIMUM CHAMFER OR A 1/2" MINIMUM TOOLED RADIUS & THE TOP OF ALL EXPOSED FOOTINGS, PIERS AND COLUMNS SHALL RECEIVE A SMOOTH TROWELED FINISH.
9. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY SUITABLE MEANS DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT, ANCHOR BOLTS, OTHER EMBEDDED ITEMS AND INTO THE CORNERS OF FORMS. ANY "HONEYCOMB" CONCRETE AND/OR ROCK POCKETS SHALL BE REMOVED AND REPLACED WITH SOUND CONCRETE.
10. ALL CONCRETE FLATWORK SHALL BE WET CURED BY MIST CURING, BY MOISTURE-RETAINING CURING, OR BY COMBINATIONS THEREOF IN ACCORDANCE WITH ACI 301 PROCEDURES. KEEP CONTINUOUSLY MOIST FOR NOT LESS THAN 7 DAYS AFTER THE FINISHING OPERATION IS COMPLETE.
11. ALTERNATELY, A CURING COMPOUND MEETING ASTM C-309 TYPE 1, CLASS B AND AASHTO 148, TYPE 1 SPECIFICATIONS AND STATE OF CALIFORNIA AIR REGULATION BOARD SOLVENT EMISSIONS STANDARDS MAY BE USED SUCH AS 'EUCLID' SUPER DIAMOND CLEAR VOX.
12. REINFORCING STEEL SHALL BE BILLET STEEL CONFORMING TO ASTM A615/A615M-96A AS FOLLOWS, UNLESS NOTED OTHERWISE:

    #4 (13 MM) AND SMALLER ..... GRADE 40 (GRADE 300)
    #5 (16 MM) AND LARGER ..... GRADE 60 (GRADE 420)

    ASTM A615 GRADE 60 REQUIRES 80,000 PSI MINIMUM TENSILE STRENGTH WITH 1.10 MINIMUM RATIO OF ACTUAL TENSILE STRENGTH TO ACTUAL YIELD STRENGTH BASED ON MILL TESTING.

13. FABRICATING DETAILS SHALL CONFORM TO ACI 315, "ACI DETAILING MANUAL" AND CRSI "MANUAL OF STANDARD PRACTICE".
14. SPLICE LENGTHS OF REINFORCING BARS SHALL COMPLY WITH THE REQUIREMENTS OF ACI 318. REFER TO DETAILS ON THESE PLANS.
15. ALL WELDING OF REINFORCING STEEL SHALL BE WITH LOW HYDROGEN ELECTRODES UNLESS OTHERWISE NOTED. WELDING OF REINFORCING ALLOWED ONLY WHERE DETAILED ON THE DRAWINGS AND SHALL BE IN ACCORDANCE WITH SPECIFICATIONS PER ACI 318-19 SECTION 26.6.4.1 AND 25.5.7.2.
16. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS AND OTHER INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
17. ALL VERTICAL REINFORCING BARS AT WALLS, STEMWALLS, PEDESTALS, ETC. SHALL HAVE A STANDARD ACI 90° OR 180° HOOK INTO THE FOUNDATION BELOW WITH EMBEDMENT REQUIRED BY THE BUILDING CODE. ALSO SEE DETAILS, THESE PLANS.
18. UNLESS OTHERWISE NOTED, ALL REINFORCING SHALL HAVE A MINIMUM CONCRETE COVER AS FOLLOWS:

    SURFACES POURED AGAINST EARTH ..... 3 INCHES
    FORMED SURFACES EXPOSED TO GROUND OR WEATHER:
    #5 AND SMALLER ..... 1 1/2" INCHES
    #6 AND LARGER ..... 2 INCHES

    FORMED CONCRETE NOT EXPOSED TO GROUND OR WEATHER ..... 3/4" INCH
    BEAMS, JOISTS & GIRDERS ..... 1 1/2" INCHES
    COLUMNS ..... 1 1/2" INCHES

19. WHERE GROUT IS SPECIFIED ON THE DRAWINGS USE A HIGH STRENGTH, NON SHRINK, NON-METALLIC GROUT. USE MASTERBUILDERS "MASTERFLOW 713 GROUT" OR APPROVED SUBSTITUTE.
20. REFER TO BOTH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION AND SPACING OF ALL PLUMBING FIXTURES.
21. NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE WALLS OR SLAB UNLESS SPECIFICALLY DETAILED.

POST-INSTALLED ANCHOR NOTES

1. THE TESTING OF POST-INSTALLED ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST SHALL BE SUBMITTED TO THE ENFORCEMENT AGNECY. TEST ANCHORS, AS FOLLOWS:
   A. 10% OF SILL PLATE BOLTS
   B. 50% OF EQUIPMENT ANCHORAGE BOLTS
   C. 100% OF ALL OTHER STRUCTURAL ANCHORS
2. IF ANY ANCHOR FAILS, TEST ALL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS THE TEST REQUIREMENTS. THE INITIAL TEST FREQUENCY SHALL THEN BE RESUMED.
3. TEST PROCEDURE SHALL BE AS PERMITTED BY AN APPROVED TEST REPORT USING CRITERIA ADOPTED IN THE CALIFORNIA BUILDING CODE (CBC).
4. FIELD TEST FOR TORQUE CONTROLLED POST-INSTALLED ANCHORS SHALL UTILIZE THE TORQUE WRENCH METHOD WWHERE A CALIBRATED TORQUE WRENCH SHALL ATTAIN THE SPECIFIED TORQUE WITHIN 1/2 TURN OF THE NUT; OR 1/4 TURN OF THE NUT FOR A 3/8" SLEEVE ANCHOR ONLY. TORQUE-BASED INSTALLATION VALUES SHALL BE BASED ON APPROVED ICC REPORT AND AS IDENTIFIED ON DETAILS.
5. FIELD TEST FOR POST-INSTALLED ADHESIVE ANCHORS SHALL UTILIZE THE HYDRAULIC RAM METHOD WHERE ANCHORS TEST WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DESCERNIBLE MOVEMENT DURING THE TENSION TEST, E.G., AS EVIDENCED BY LOOSENING OF THE WASHER UNDER THE NUT. TENSION TEST LOAD SHALL BE AS INDICATED ON THE DETAILS.

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE STARTING WORK. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
2. NOTES AND DETAILS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
3. THE DETAILS ON THESE DRAWINGS SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED, DETAILS OF A CHARACTER SIMILAR TO THOSE SHOWN SHALL BE USED, SUBJECT TO REVIEW.
4. FOR OPENINGS NOT SHOWN AND/OR DETAILED ON THE STRUCTURAL DRAWINGS AND WHICH PENETRATE STRUCTURAL ELEMENTS, OBTAIN APPROVAL FROM THE ENGINEER BEFORE PROCEEDING WITH WORK.
5. IT IS THE INTENTION OF THESE DRAWINGS TO PROVIDE FOR THE FOLLOWING CONTINUITIES:
   A. ALL ROOF AND FLOOR STRUTS SHALL BE CONTINUOUSLY CONNECTED FOR THE LENGTH OF THE ROOF OR FLOOR SYSTEM.
   B. ALL WALL BRACING AND/OR SHEAR PANELS SHALL BE CONNECTED TO THE ROOF AND/OR FLOOR STRUTS. IF DETAILS REQUIRED TO EFFECT THESE CONTINUITIES ARE NOT EVIDENT ON THE DRAWINGS THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION.
6. ALL EXTERIOR GLAZING AND FRAMES SHALL BE DESIGNED TO RESIST WIND LOADS FOR 94 MPH ULTIMATE DESIGN WIND SPEED (3-SEC GUST), EXPOSURE C, 2022 CALIFORNIA BUILDING CODE.
7. FRAME OPENINGS AND SUPPORT MISCELLANEOUS EQUIPMENT AS DETAILED ON THE DRAWINGS. WHERE NO DETAILS ARE PROVIDED, OBTAIN APPROVAL FROM THE ENGINEER BEFORE PROCEEDING WITH WORK.
8. LATERALLY BRACE ALL SUSPENDED EQUIPMENT AND CEILINGS IN CONFORMANCE WITH THE 2022 CALIFORNIA BUILDING CODE.
9. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FRAMEWORK, ETC. AS REQUIRED TO COMPLETE THE INSTALLATION IN ACCORDANCE WITH THESE DRAWINGS AND PROJECT SPECIFICATIONS.
10. THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
11. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
12. DESIGN DATA:

    GOVERNING CODE ..... 2022 CALIFORNIA BUILDING CODE (C.B.C.)

    DESIGN LOADS:

    ROOF LIVE LOAD ..... 20 PSF (REDUCIBLE)
    FLOOR LIVE LOAD ..... N.A.
    RISK CATEGORY II
    WIND LOAD ..... 94 MPH ULTIMATE (3-SEC GUST), EXP. C
    INTERNAL PRESSURE COEFFICIENT, GCpi = +/-0.18
    SEISMIC LOAD ..... DESIGN CATEGORY D,
    GRIDLINES A & B FOR ALL BUILDINGS ARE VOLUNTARY SEISMIC UPGRADES PER CAC 4-309(d) AND CEBC 304.3.1
    R=6.5, Ie = 1.0, SITE CLASS D (DEFAULT)
    S_S = 0.724, S_1 = 0.264, S_{DS} = 0.589, S_{D1} = N/A, C_s=0.091
    ALL OTHER WALLS: NO PLANNED ALTERATIONS TO EXISTING SHEARWALLS

SPECIAL INSPECTION NOTES

1. SPECIAL INSPECTIONS REQUIRED BY THIS CODE ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISE OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED INSPECTION AGENCY.
2. INSPECTORS SHALL SUBMIT THEIR REPORTS DIRECTLY TO THE ENFORCEMENT AGENCY WITH COPIES TO THE ARCHITECT, STRUCTURAL ENGINEER, GENERAL CONTRACTOR AND OWNER.
3. APPROVAL BY THE INSPECTOR DOES NOT MEAN APPROVAL OF FAILURE TO COMPLY WITH THE PLANS OR SPECIFICATIONS. ANY WORK TO BE DONE OR ANY MATTER RELATIVE THERETO THAT IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
4. THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE IS REQUIRED TO OBSERVE THE CONSTRUCTION AT SIGNIFICANT STAGES OF PROGRESS. THE CONTRACTOR SHALL COORDINATE EFFORTS IN SUCH A WAY THAT THESE SITE VISITS CAN BE ACCOMMODATED.
5. IN ACCORDANCE WITH 2022 C.B.C. SECTIONS 110, 1704A, AND 1705A, THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR WHO SHALL PROVIDE SPECIAL INSPECTION DURING CONSTRUCTION ON THE FOLLOWING TYPES OF WORK:
   A. CONCRETE: PER CBC SECTION 1705A.3 AND TABLE 1705A.3 WITH EXCEPTIONS. THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION: ALL CONCRETE EXCEPT: SLAB-ON-GRADES, SIDEWALKS AND DRIVEWAYS.
   B. WELDING: WELDING INSPECTION SHALL BE IN COMPLIANCE WITH AWS D1.1. THE BASIS FOR WELDING INSPECTOR QUALIFICATIONS SHALL BE AWS D1.1. PROVIDE SPECIAL INSPECTION IN ACCORDANCE WITH AISC TABLES N5.4-1 THROUGH TABLE N5.4-3.
   C. EXPANSION BOLT, SCREW ANCHOR AND ADHESIVE ANCHORS: INSTALLATION TO VERIFY INSTALLATION IN ACCORDANCE WITH APPLICABLE ICC REPORTS NOTED ON NOTE SHEET OR DETAILS.

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
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(559) 627.1926 Fax

TITLE
STRUCTURAL NOTES

S0.1

PROJECT 24043

LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
979 North Blackstone Street
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REGISTERED PROFESSIONAL ENGINEER
John Allard
S 5178
STRUCTURAL
STATE OF CALIFORNIA

LANE PROJECT NO. 24289

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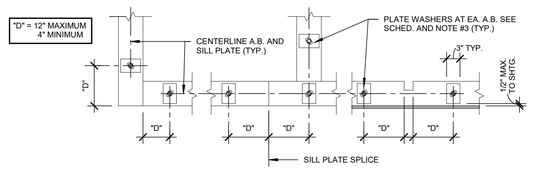
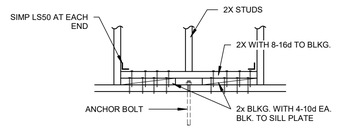


PLAN VIEW

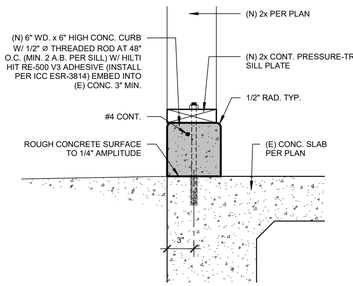


ANCHOR BOLT AT STUD

SILL FRAMING DETAILS — NO SCALE — 31

ANCHOR BOLT WASHER SCHEDULE	
WALL SIZE	**MINIMUM WASHER SIZE**
2x4	PLATE 0.229" x 3" x 3" (ALT. SIMP. BPSS/8-3)
2x6	PLATE 0.229" x 3" x 4 1/2" (ALT. SIMP. BPSS/8-6)
2x8	PLATE 1/4" x 3" x 6 1/4"
2x10	PLATE 3/8" x 3" x 8 1/4"

NOTES:
1. WHERE SILL PLATE IS NOTCHED OR DRILLED MORE THAN 1/3 OF ITS WIDTH, A BOLT SHALL BE PLACED ON EA. SIDE OF THE NOTCH.
2. PROVIDE 2 BOLTS MINIMUM EACH PIECE OF SILL PLATE. FOR WALLS LESS THAN 2'-0" LONG, THE MINIMUM EDGE DISTANCE MAY BE REDUCED TO 4X BOLT DIAMETER.
3. PROVIDE PLATE WASHERS PER SCHEDULE AT ALL SILL BOLTS. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND A SLOT LENGTH NOT TO EXCEED 1 3/4", PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. THE WASHER PLATE SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE SILL PLATE ON THE SIDES WITH SHEATHING. ANCHOR BOLTS SHALL BE CENTERED ON THE SILL PLATE, TYP. U.N.O.
4. STANDARD CUT WASHERS MAY BE USED AT INTERIOR NON-BRG., NON-SHEAR WALLS.

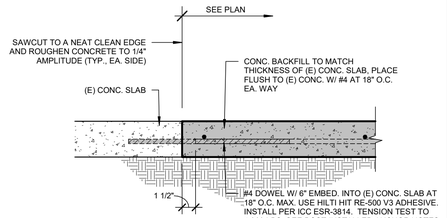


TESTING: TENSION TEST TO 1,000 LBS. SEE POST-INSTALLED ANCHOR NOTES ON SHEET S0.1 FOR TESTING FREQUENCY AND PROCEDURES.

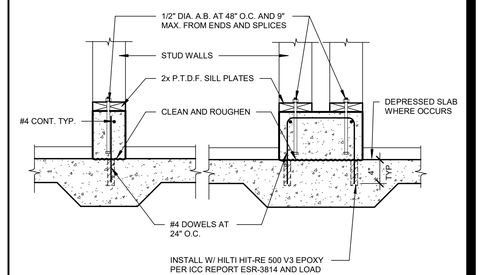
CONCRETE CURB — NO SCALE — 21

A.B.	- ANCHOR BOLT	A.B.	- ANCHOR BOLT
ADD'L	- ADDITIONAL	MIN.	- MINIMUM
ARCH. DWGS.	- ARCHITECTURAL DRAWINGS	MTL.	- METAL
@	- AT	N.I.C.	- NOT IN CONTRACT
BM	- BEAM	NOM.	- NOMINAL
B.N.	- BOUNDARY NAILING	N.S.A.	- NELSON STUD ANCHOR
BLK.	- BLOCK	N.T.S.	- NOT TO SCALE
BOTT.	- BOTTOM	O.C.	- ON CENTER
C.C.J.	- CRACK CONTROL JOINT	O.D.	- OUTSIDE DIAMETER
C.J.	- CONSTRUCTION JOINT	O.H.	- OPPOSITE HAND
C.J.P.	- COMPLETE JOINT PENETRATION	OPG.	- OPENING
CL.	- CENTERLINE	OPT.	- OPTIONAL
CLR.	- CLEAR	PLYWD.	- PLYWOOD
CONC.	- CONCRETE	PL.	- PLATE
CONN.	- CONNECTION	PROJ.	- PROJECTION
CONST.	- CONSTRUCTION	RAD.	- RADIUS
CONT.	- CONTINUOUS	REINF.	- REINFORCING
CTSK.	- COUNTER SUNK	RECT.	- RECTANGLE
DBL.	- DOUBLE	REQ'D.	- REQUIRED
DIA.	- DIAMETER	SCHED.	- SCHEDULE
DIAG.	- DIAGONAL	SCHED.	- SCHEDULE
DO.	- DITTO	SQ.	- SQUARE
DN.	- DOWN	STD.	- STANDARD
DRYPK.	- DRYPACK	STGR'D	- STAGGERED
DWG.	- DRAWING	STL.	- STEEL
E.N.	- EDGE NAILING	SYM.	- SYMMETRICAL
EA.	- EACH	T&B	- TOP AND BOTTOM
ELEV.	- ELEVATION	T.O.	- TOP OF
EMBED.	- EMBEDMENT	T.O.C.	- TOP OF CONCRETE
EQ.	- EQUAL	T.O.S.	- TOP OF STEEL
EXIST.	- EXISTING	TYP.	- TYPICAL
EXT.	- EXTERIOR	U.N.O.	- UNLESS NOTED OTHERWISE
FND.	- FOUNDATION	VERT.	- VERTICAL
FIN.	- FINISH	WT.	- WEIGHT
FLR.	- FLOOR	W/	- WITH
F.O.B.	- FACE OF BLOCK	W/O	- WITHOUT
F.O.C.	- FACE OF CONCRETE		
F.O.M.	- FACE OF MASONRY		
F.O.S.	- FACE OF STUDS		
FTG.	- FOOTING		
GA.	- GAUGE		
GALV.	- GALVANIZED		
GYP.	- GYPSUM		
HORIZ.	- HORIZONTAL		
HT.	- HEIGHT		
I.D.	- INSIDE DIAMETER		
INFO.	- INFORMATION		
L.L.V.	- LONG LEG, VERTICAL		
L.L.H.	- LONG LEG, HORIZONTAL		
MAX.	- MAXIMUM		
M.B.	- MACHINE BOLT		
MFR.	- MANUFACTURER		
MECH.	- MECHANICAL		

ABBREVIATIONS — NO SCALE — 11



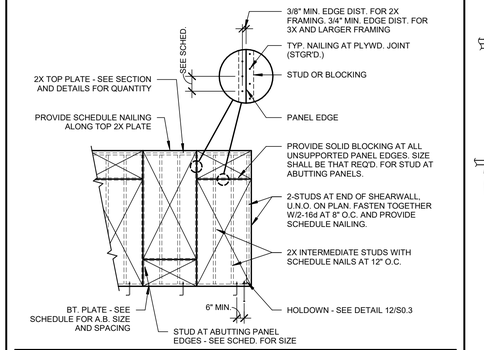
NEW SLAB TO EXIST. SLAB — NO SCALE — 22



TESTING: TENSION TEST TO 1,000 LBS. SEE POST-INSTALLED ANCHOR NOTES ON SHEET S0.1 FOR TESTING FREQUENCY AND PROCEDURES.

(NON-BEARING AND NON-SHEAR)

CURBS AT INTERIOR WALLS — NO SCALE — 12

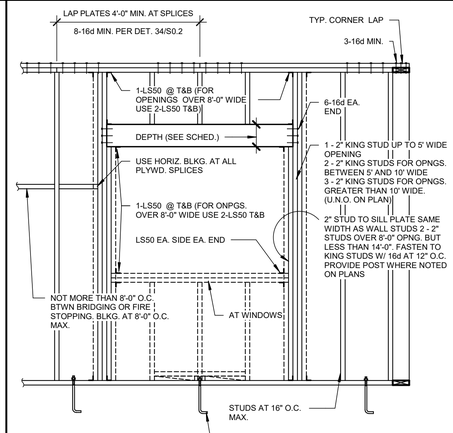


(N) PLYWOOD PANEL SCHEDULE							
MARK	PANEL THICKNESS [9]	PANEL INDEX	EDGE NAILING	SILL PLATE	STUD AT ABBUTING PANELS	SIDES OF WALL	ANCHOR BOLTS OR TO FASTENER [7,9,10]
Ⓐ	15/32	32/16	8d AT 6"	2"	2"	ONE	(E) 5/8" DIA. AT 48" O.C.
△							
△							
△							
△							
(E) PLYWOOD PANEL SCHEDULE							
Ⓑ, △	(E) 1/2	32/16	10d AT 3" O.C. ALL EDGES	2"	2"	ONE	(E) 5/8" DIA. AT 48" O.C.
△							

* REFERS TO NOMINAL THICKNESS AT PANEL SPLICE

NOTES:
1. ALL EDGES OF PLYWOOD SHEETS SHALL BE FASTENED PER SCHEDULE NAILING
2. ALL NAILS SHALL BE COMMON WIRE NAILS.
3. ALL PLYWOOD SHALL BE MARKED "A.P.A EXPOSURE 1".
4. PREDRILL NAIL HOLES WHERE PLYWOOD TENDS TO SPLIT.
5. MINIMUM INDIVIDUAL PIECE: 8 SQ. FT.
6. PLATE WASHERS 2" SQ. x 3/16" SHALL BE USED ON EA. BOLT. ADD PLATE WASHERS TO (E) ANCHOR BOLTS WHERE OCCURS.
7. WHERE PANELS ARE APPLIED ON BOTH FACES OF WALL AND NAIL SPACING IS LESS THAN 6" O.C. PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OF FRAMING AT COMMON PANEL EDGES SHALL BE 3" NOMINAL AND NAILS SHALL BE STAGGERED.
8. ANCHOR BOLTS NOTED ARE IN ADDITION TO THOSE THAT ARE USED WITH HOLDOWNS. REFER TO SHEARWALL LAYOUT FOR LOCATION AND HOLDOWN TYPES.
9. NEW PLYWOOD SHEAR PANELS SHALL MATCH THICKNESS OF EXISTING SHEATHING, U.N.O.
10. ALL EXISTING ANCHOR BOLTS SHALL BE RE-USED AND PROTECTED IN PLACE (EXISTING ANCHOR BOLTS ARE SPACED AT +/- 48" O.C.) FOR ANCHOR BOLT CONNECTION TO SILL PLATE SEE DETAIL 31/S0.2

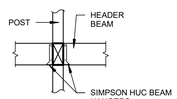
(N) PLYWD. SHEARWALL CONST. — NO SCALE — 43



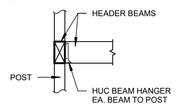
NOTES:
1. ***SEE NAILING SCHEDULE ON SHEET S0.1 FOR TYPICAL NAILING.***
2. ***INFORMATION NOTED SHALL BE USED AS A MINIMUM UNLESS NOTED OTHERWISE ELSEWHERE IN PROJECT DRAWINGS.***

SCHEDULE FOR HEADER SIZES [1,2]		
HEADER SPAN	BEARING	NON-BEARING
UP TO 4'-0"	6"	6"
OVER 4' TO 8'-0"	8"	6"
OVER 8' TO 10'-0"	10"	8"
OVER 10' TO 12"-0"	12"	10"

1. HEADER IS SAME WIDTH AS STUDS.
2. HEADER SIZES SHOWN ON PLAN TAKE PRECEDENCE OVER SIZES SHOWN ABOVE.



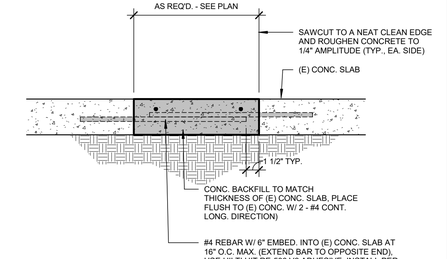
ELEVATION
HEADERS AT POST



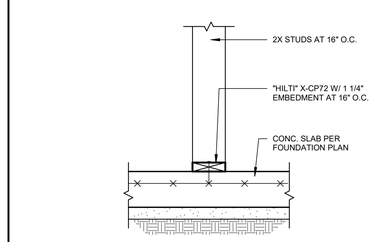
ELEVATION - HEADERS AT CORNER POST

BUILDINGS "A" AND "A1" ONLY

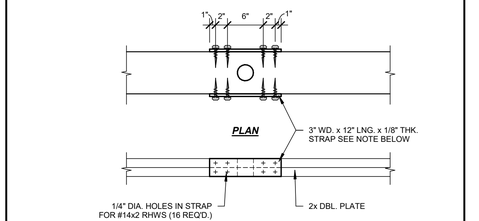
TYP. STUD WALL CONST. — NO SCALE — 33



CONCRETE BACKFILL (TRENCH) — NO SCALE — 23



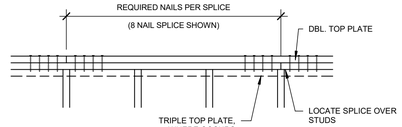
NON-BEARING/NON-SHEAR WALL — NO SCALE — 13



ELEVATION

NOTE:
3" WD. x 12" LNG. x 1/8" THK. STRAPS REQUIRED FOR HOLES DIAMETERS OF 1/3 TO 1/2 THE WIDTH OF WOOD PLATES. HOLES HAVING DIAMETERS GREATER THAN 1/2 OF THE PLATE WIDTH ARE ***NOT PERMITTED***. NO HOLES PERMITTED IN TOP PLATES LESS THAN 5 1/2" WIDE.

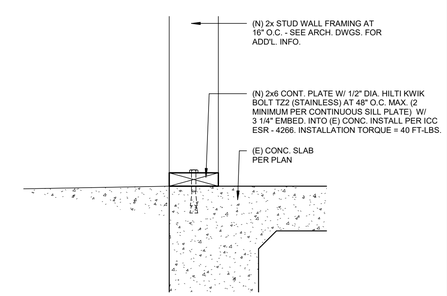
HOLES IN TOP PLATE — NO SCALE — 44



NAIL OR STRAP SCHEDULE		
MARK	NAILS PER SPLICE	ALT. SIMP. STRAP
Ⓐ	8-16d	LSTA18
Ⓑ	12-16d	MSTA30
Ⓒ	20-16d	MSTC28
Ⓓ	36-16d	2-MSTC28
Ⓔ	60-16d	2-MSTC40
◯		

NOTES:
1. USE TYPE "A" SPLICE UNLESS NOTED OTHERWISE ON PLANS. REQUIREMENTS SHOWN SHALL APPLY AT SPLICES IN UPPER 2-PLATES AT TRIPLE PLATE WALLS. THIRD PLATE MAY BE SPLICED W/ TYPE "A SPLICE.

TYPICAL TOP PLATE SPLICES — NO SCALE — 34



SILL PLATE AT (E) CONC. SLAB — NO SCALE — 24

APPROVALS

FILE # 16-14 — APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. 23128
Exp. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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TITLE
TYPICAL STRUCTURAL DETAILS

S0.2

PROJECT 24043

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REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA

LANE PROJECT NO. 24289

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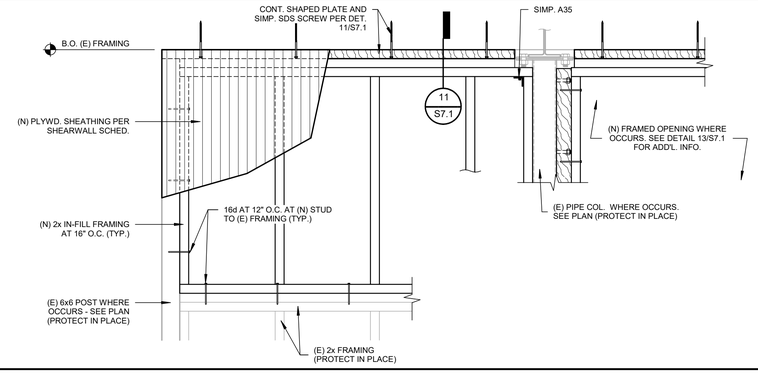
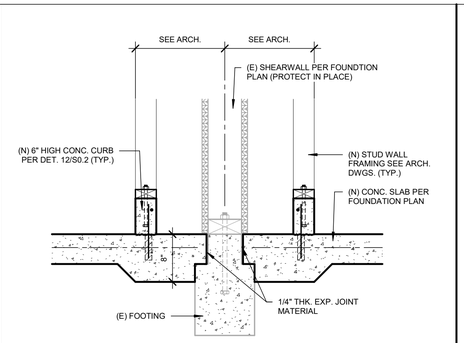


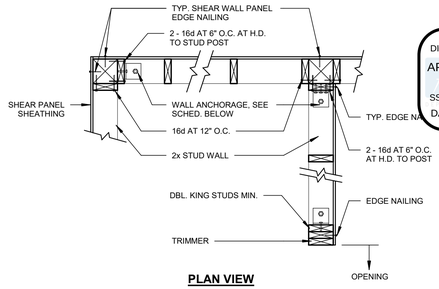
2x IN-FILL FRAMING - BUILDINGS "A" AND A1"

NO SCALE | 31

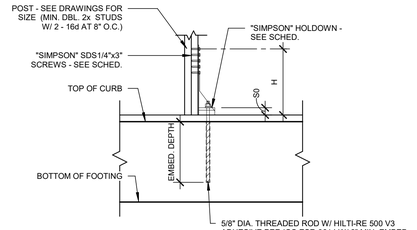


CONC. IN-FILL

1" = 1'-0" | 21



PLAN VIEW

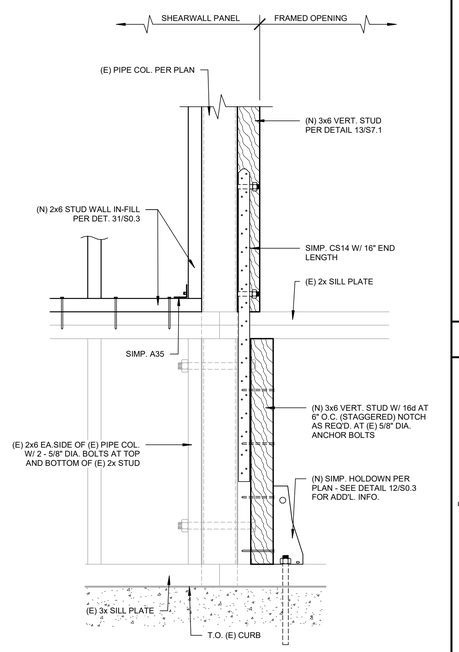


ELEVATION VIEW

HOLDOWN SCHEDULE						
TYPE	A.B.	EMBED LENGTH	CL	H	SO	SIMP. SDS 1/4 x 2 1/2 SCREWS
HDU2	5/8"	12"	1 5/16"	8 11/16"	1 3/8"	6

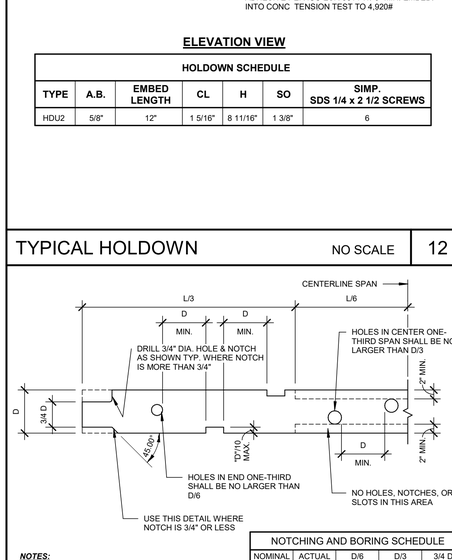
TYPICAL HOLDOWN

NO SCALE | 12



HOLDOWN AT (E) PIPE COL.

1 1/2" = 1'-0" | 23



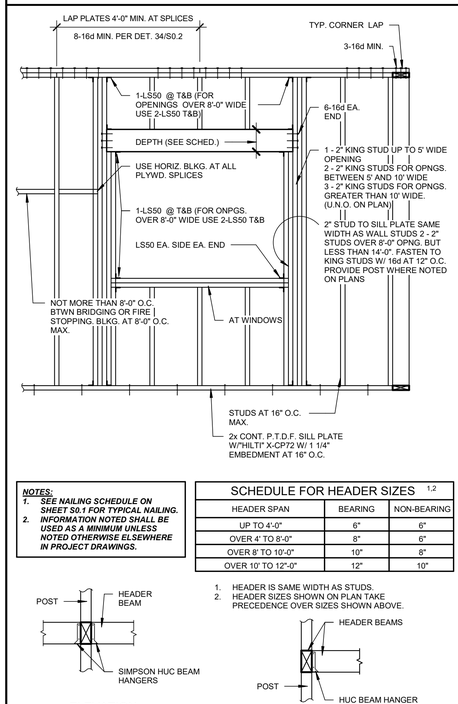
NOTES:

1. HOLES, NOTCHES AND SLOTS SHALL NOT BE LOCATED ADJACENT TO UNSOUND OR LOOSE KNOTS.
2. PREFERRED LOCATION OF NOTCH IS AT TOP OF MEMBER.

NOTCHING AND BORING SCHEDULE				
NOMINAL	ACTUAL	D/6	D/3	3/4 D
4	3 1/2"	9/16"	1 1/8"	2 5/8"
6	5 1/2"	7/8"	1 3/16"	4 1/8"
8	7 1/4"	1 3/16"	2 7/16"	5 7/16"
10	9 1/4"	1 1/2"	3 1/16"	6 15/16"
12	11 1/4"	1 7/8"	3 3/4"	8 7/16"
14	13 1/4"	2 3/16"	4 7/16"	9 15/16"

TYPICAL WOOD NOTCHING

NO SCALE | 13



NOTES:

1. ***SEE NAILING SCHEDULE ON SHEET S0.1 FOR TYPICAL NAILING.***
2. ***INFORMATION NOTED SHALL BE USED AS A MINIMUM UNLESS NOTED OTHERWISE ELSEWHERE IN PROJECT DRAWINGS.***

SCHEDULE FOR HEADER SIZES [1,2]		
HEADER SPAN	BEARING	NON-BEARING
UP TO 4'-0"	6"	6"
OVER 4' TO 8'-0"	8"	6"
OVER 8' TO 10'-0"	10"	8"
OVER 10' TO 12"-0"	12"	10"

1. HEADER IS SAME WIDTH AS STUDS.
2. HEADER SIZES SHOWN ON PLAN TAKE PRECEDENCE OVER SIZES SHOWN ABOVE.

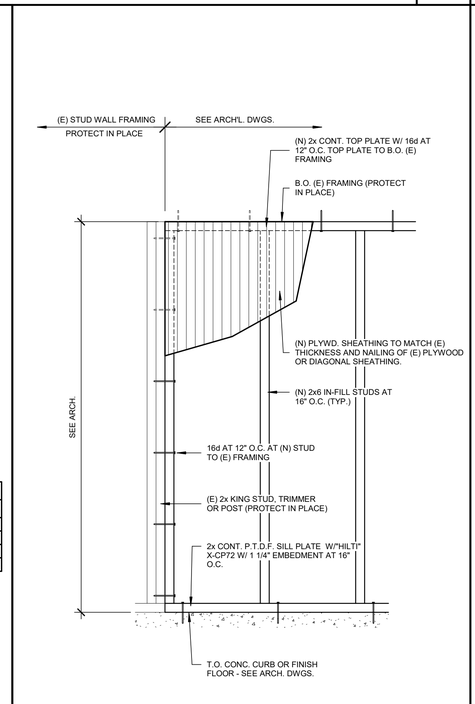
ELEVATION
HEADERS AT POST

ELEVATION - HEADERS AT CORNER POST

INTERIOR AND NON-BEARING WALLS ONLY

TYP. STUD WALL CONST.

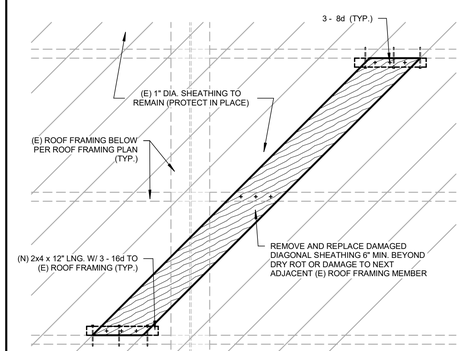
NO SCALE | 43



NOTE:
WHERE INTERIOR IN-FILL STUD WALL FRAMING OCCURS, SEE ARCH. DWGS. FOR WALL FINISHES.

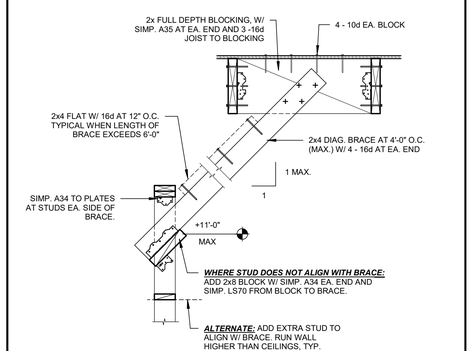
2x IN-FILL FRAMING

NO SCALE | 33



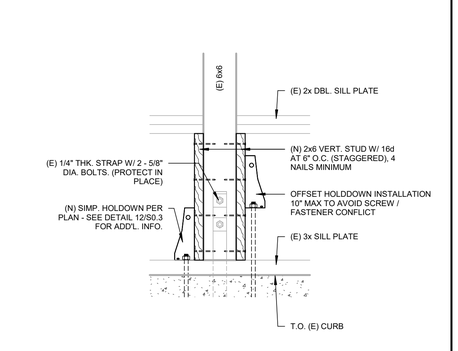
DIAG. SHEATHING REPAIR DETAIL

NO SCALE | 44



WALL BRACING DETAIL

NO SCALE | 34



HOLDOWN AT (E) 6x6

1" = 1'-0" | 24

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21126
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI
ARCHITECTURE
INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0330 Office
(559) 627.1926 Fax

TITLE
TYPICAL STRUCTURAL DETAILS

S0.3

PROJECT 24043

LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
979 North Blackstone Street
Tulare, California 93274
559.688.5263
www.laneengineers.com

REGISTERED PROFESSIONAL ENGINEER
John Allpress
S 5176
STRUCTURAL
STATE OF CALIFORNIA

LANE PROJECT NO. 24289

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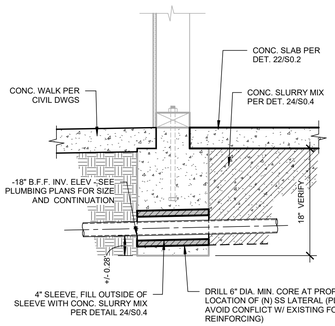
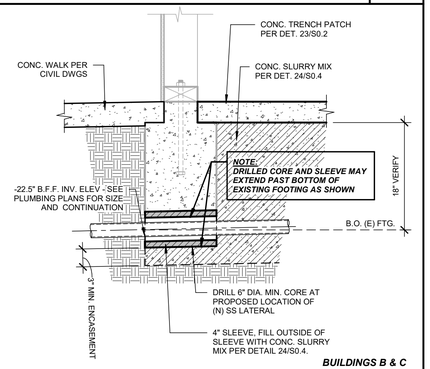


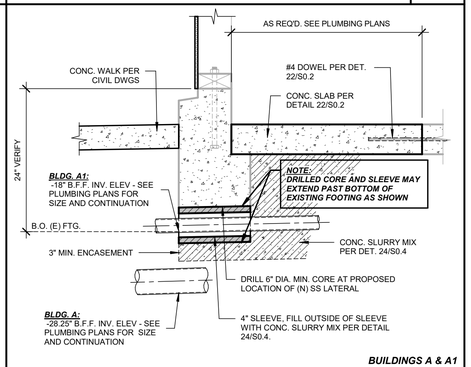
BUILDINGS D & E

SS LATERAL AT EXIST. FOOTING NO SCALE 31



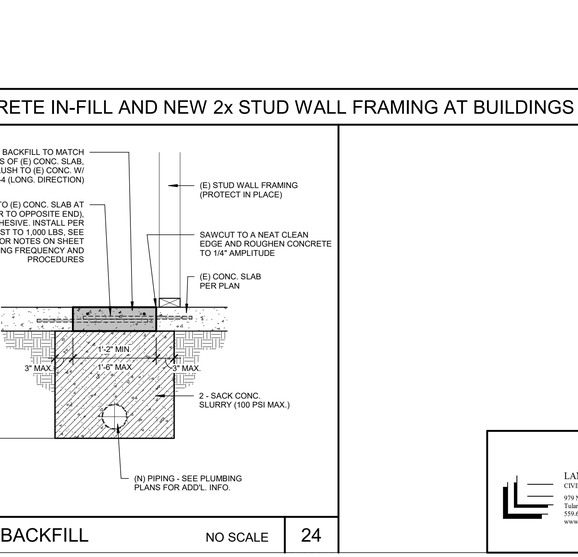
BUILDINGS B & C

SS LATERAL AT EXIST. FOOTING NO SCALE 32



BUILDINGS A & A1

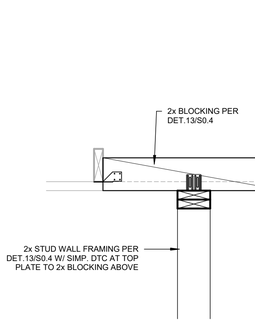
SS LATERAL AT EXIST. FOOTING NO SCALE 33



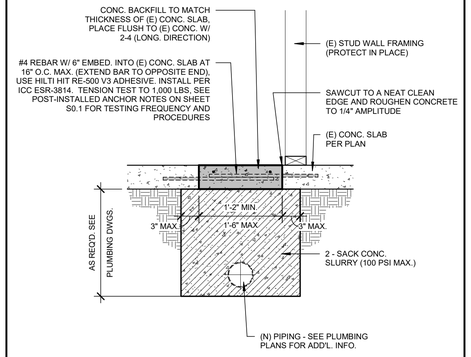
KEYNOTES

MARK	DESCRIPTION
1	REMOVE (E) PORTION OF STUD WALL FRAMING PER ARCH. DWGS. AND INSTALL NEW STUD 2x6 STUD WALL FRAMING PER DETAIL 43/S0.3
2	EXISTING 2x6 STUD WALL TO REMAIN, PROTECT IN PLACE
3	EXISTING ROOF FRAMING PER FRAMING PLAN
4	EXISTING 2x6 CEILING JOISTS AT 32" O.C. (PROTECT IN PLACE)
5	EXISTING 2x3 CEILING STRIPS AT 12" O.C. TO REMAIN. (REPLACE IN KIND AS REQ'D.)
6	NEW CONCRETE SLAB IN-FILL PER DETAIL 22/S0.2 AT BUILDINGS "B" AND "C". SEE DETAIL 23/S0.2 FOR CONCRETE BACKFILL AT TRENCH PATCH FOR BUILDINGS "D" AND "E".
7	#4 DOWEL PER DETAIL 22/S0.2
8	NEW 2x6 DBL STUD W/ 16d NAILING AT 12" O.C. STUD TO STUD AS SHOWN
9	NEW 2x6 STUD W/ SIMP. A34 AT EA. END TO EXIST. TOP AND BOTTOM PLATES
10	NEW 2x6 BLOCKING AT 24" O.C. (MAX.) W/ SIMP. H3 AT EA. END - SEE DETAIL 34/S0.4 FOR ADD'L. INFO.

NEW CONCRETE SLAB IN-FILL AND NEW 2x STUD WALL FRAMING AT BUILDINGS B - E NO SCALE 13



TOP OF WALL DETAIL NO SCALE 34



CONCRETE BACKFILL NO SCALE 24

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
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DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELLI
No. C-27126
EXPIRATION: 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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TITLE
TYPICAL STRUCTURAL DETAILS

S0.4

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REGISTERED PROFESSIONAL ENGINEER
John Allana
S 5176
STRUCTURAL
STATE OF CALIFORNIA

LANE PROJECT NO. 24289

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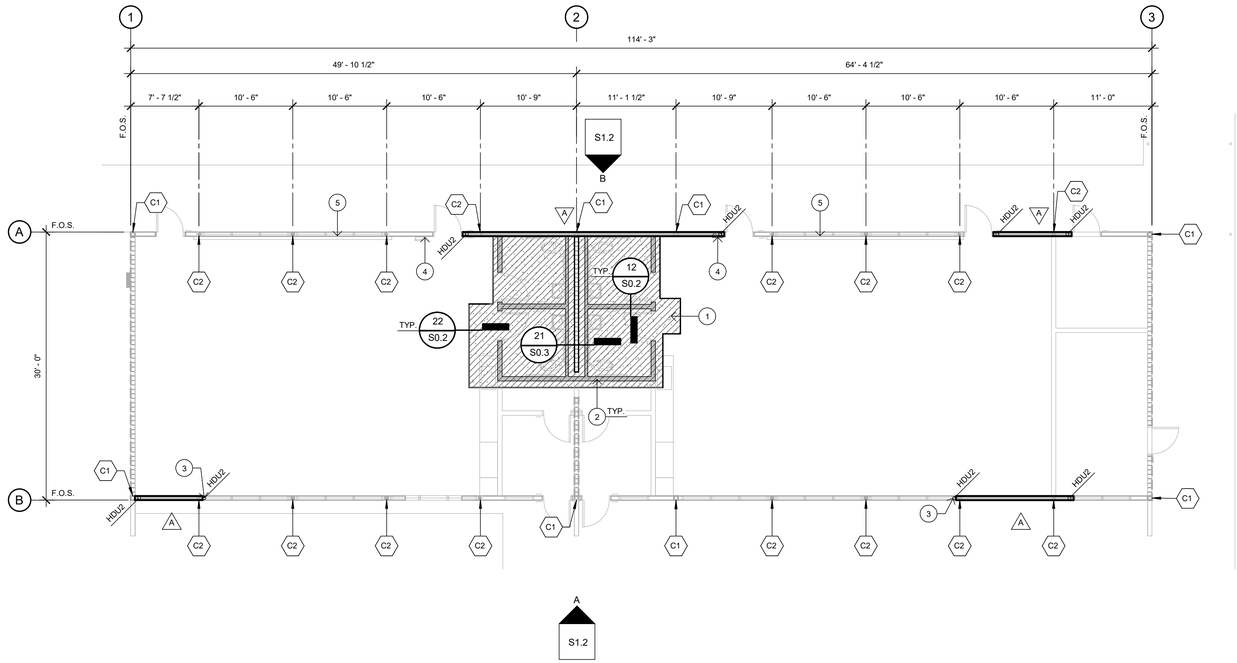


BUILDING A - SHEARWALL LAYOUT PLAN

1/8" = 1'-0"

NOTE:
SEE WALL FRAMING ELEVATIONS FOR NEW 2x6 STUD WALL FRAMING AT NORTH AND SOUTH WALLS.

NORTH

WALL LEGEND

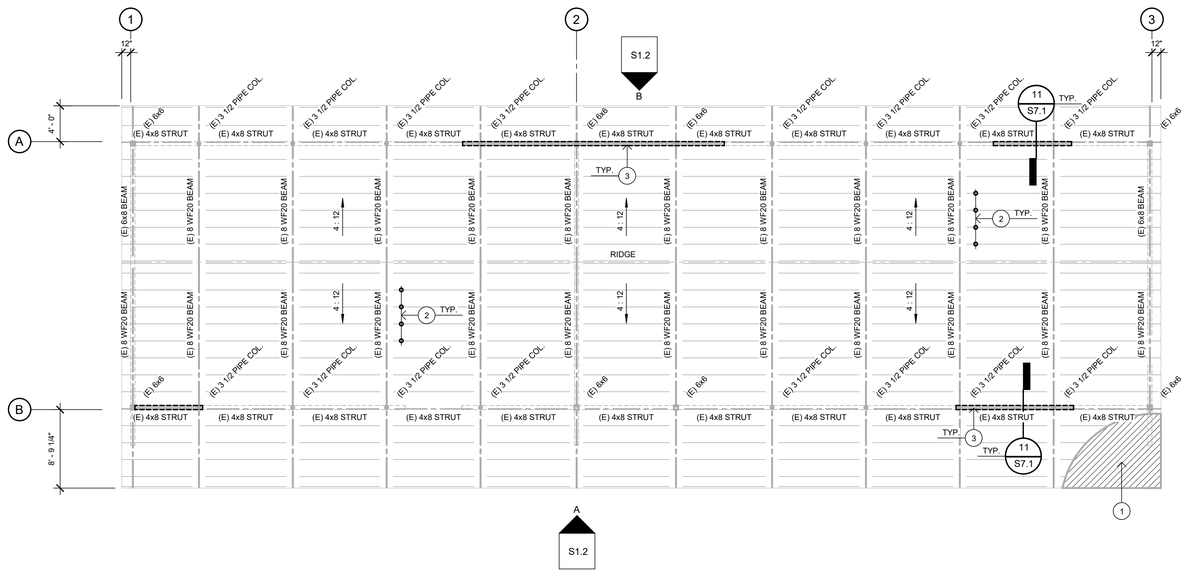
- (E) 2x6 STUD WALL FRAMING AT 16" O.C. - SEE ARCHITECTURAL DRAWINGS FOR (N) INTERIOR 2x STUD WALL FRAMING
- (E) SHEARWALL SHEATHING (THIS SIDE OF WALL). SHEATHING MAY OCCUR ON BOTH SIDES OF WALL - SEE PLAN.
- (E) SHEARWALL PROTECT IN PLACE - (NO STRUCTURAL MODIFICATIONS SHALL BE MADE TO (E) SHEARWALL)
- (N) SHEARWALL - SEE DETAIL 43/S0.2 FOR ADD'L. INFORMATION.

COLUMN SCHEDULE

C1	(E) 6x6
C2	(E) 3 1/2 PIPE COL.

CONSTRUCTION KEYNOTES

MARK	*DESCRIPTION*
1	CONCRETE BACKFILL PER DETAIL 22/S0.2 - SEE ARCH. DWGS. FOR ADD'L. INFO.
2	6" MIN. HIGH CONC. CURB. VERIFY WIDTH AND LAYOUT WITH ARCH. DWGS.
3	HOLDOWN AT EXISTING PIPE COLUMN PER DETAIL 23/S0.3
4	RECESSED FIRE EXTINGUISHER CABINET ABOVE - SEE ARCH. DWGS. FOR ADD'L. INFO.
5	2x4 FURRED WALL PER ARCH. DWGS.



BUILDING A - PARTIAL ROOF FRAMING PLAN

1/8" = 1'-0"

NOTE:
THIS PLAN IS FOR REFERENCE ONLY. NO STRUCTURAL MODIFICATIONS WILL BE MADE TO EXISTING ROOF FRAMING MEMBERS

NORTH

CONSTRUCTION KEYNOTES

MARK	*DESCRIPTION*
1	(E) 1x6 DIAGONAL SHEATHING (TYPICAL THROUGHOUT). RENAIL DIAGONAL ROOF SHEATHING AS REQ'D. W/ 3-8d COMMON AT BOUNDARY MEMBERS AND 2-8d COMMON AT INTERMEDIATE AND END BEARING SUPPORTS
2	(E) 2x8 ROOF JOISTS AT 24" O.C.
3	(N) SHEARWALL FRAMING BELOW PER WALL FRAMING ELEVATION. SEE DETAIL 43/S0.2 FOR ADD'L. INFORMATION

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
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APP: 02-123247 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

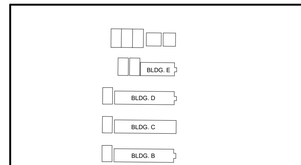
LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31126
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS



BUILDING SITE KEY

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
Office (559) 627.0530
Fax (559) 627.1926

LANE ENGINEERS INC.
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559.688.5263
www.laneengineers.com

REGISTERED PROFESSIONAL ENGINEER
John Allano
S 5176
STRUCTURAL
STATE OF CALIFORNIA

TITLE
BUILDING A
SHEARWALL
LAYOUT PLAN,
PARTIAL ROOF
FRAMING PLAN

S1.1

PROJECT 24043

LANE PROJECT NO. 24289

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APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
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APP: 02-123247 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31126
RENEWAL 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

CONSTRUCTION KEYNOTES

MARK	DESCRIPTION
1	(E) 2x6 PONY WALL W/ STUDS AT 16" O.C (PROTECT IN PLACE)
2	SAWCUT AND REMOVE (E) CONCRETE CURB AS REQ'D FOR (N) OPENING - SEE ARCH. DWGS. FOR ADD'L. INFORMATION
3	(N). HOLDOWN PER PLAN - SEE DETAIL 12/S0.3 FOR ADD'L. INFO..
4	(N) CONCRETE CURB AT EXISTING OPENING - SEE DETAIL 21/S0.2 FOR ADD'L. INFORMATION
5	(N) 2x6 P.T.D.F. CONT. SILL PLATE. SEE DETAIL 21/S0.2 FOR ADD'L. INFORMATION.
6	(N) 2x6 KING STUD W/ 16d AT 12" O.C. KING STUD TO (E) 6x6
7	(N) 3x6 VERT. STUD W/ 1/2" N.S.A. AT 12" O.C. VERT. 3x TO (E) PIPE COL.
8	(N) 2x6 DBL. FRAMING PLACED DIRECTLY BELOW (N) FRAMED OPENING AS SHOWN W/ SIMP. A35 EA. SIDE TOP AND BOTTOM
9	SIMP. HUC HANGER AT 6x HDR. TO (E) 6x6
10	SIMP. STRAP PER DET. 23/S7.1

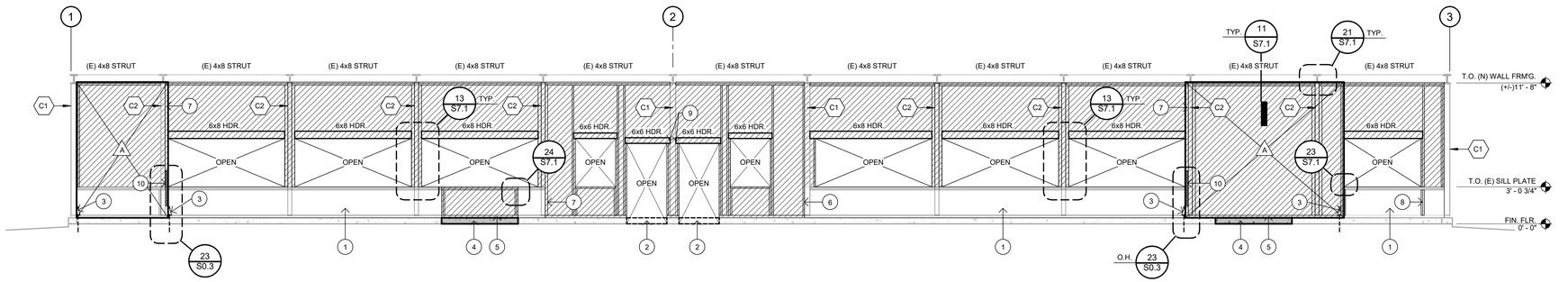
WALL FRAMING ELEVATION

(N) 2x6 STUD WALL IN-FILL FRAMING AT 16" O.C. SEE DETAILS 33/S0.2 AND 31/S0.3 FOR ADD'L. INFORMATION

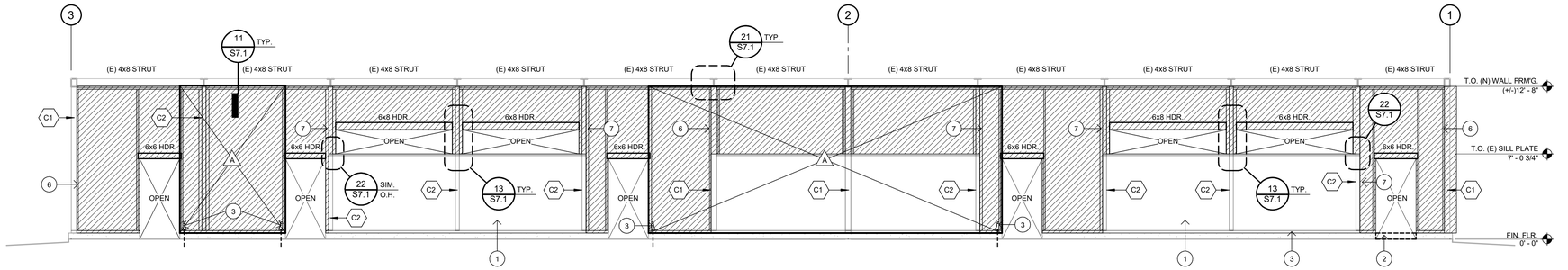
(N) SHEARWALL PANEL. SEE SHEARWALL SCHEDULE, DETAIL 43/S0.2 FOR ADD'L. INFORMATION

COLUMN SCHEDULE

C1	(E) 6x6
C2	(E) 3 1/2 PIPE COL.



A BUILDING A - SOUTH FRAMING ELEVATION
3/16" = 1'-0"



B BUILDING A - NORTH FRAMING ELEVATION
3/16" = 1'-0"

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

BLDG. E
BLDG. D
BLDG. C
BLDG. B
BLDG. A1
BLDG. A

NORTH

BUILDING SITE KEY

LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
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Tulare, California 93274
559.688.5263
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REGISTERED PROFESSIONAL ENGINEER
John Allano
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TITLE
BUILDING A FRAMING ELEVATIONS

S1.2

PROJECT 24043

LANE PROJECT NO. 24289

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APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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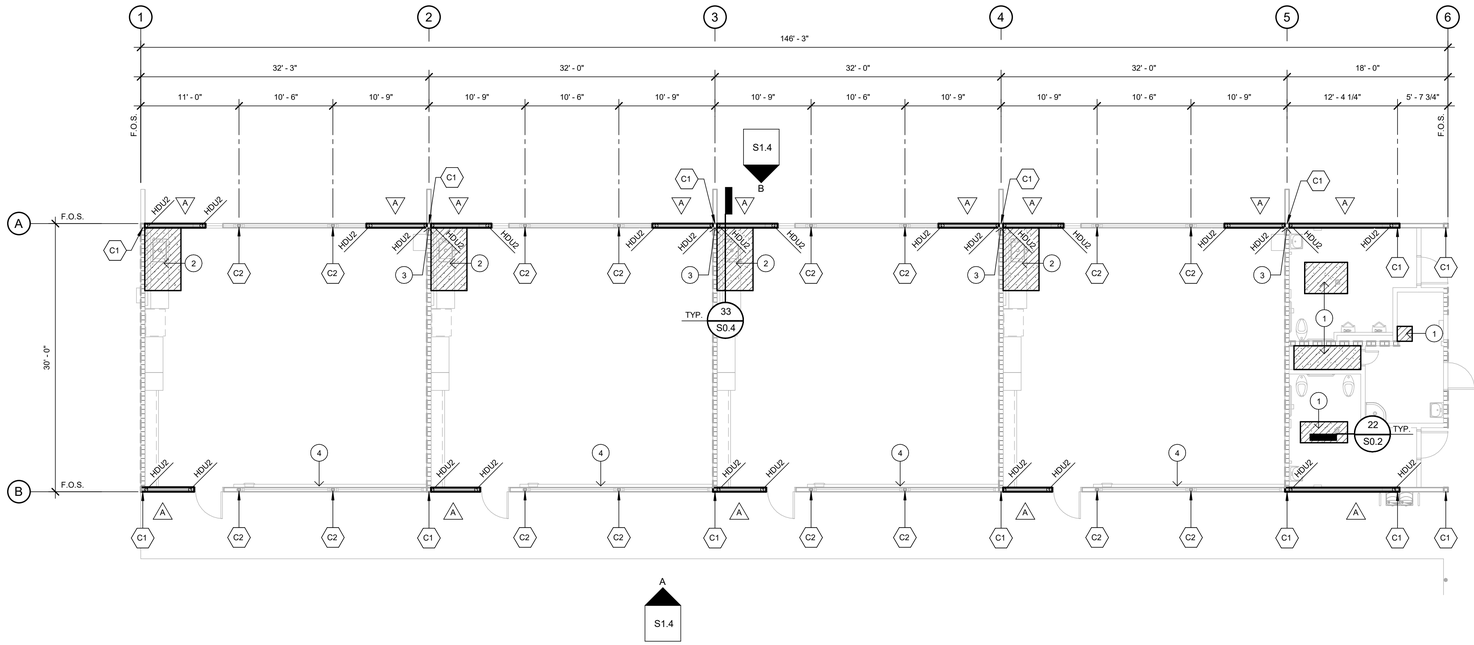
LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31126
RENEWAL 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025



NORTH

BUILDING A1 - SHEARWALL LAYOUT PLAN

1/8" = 1'-0"

NOTE:
SEE WALL FRAMING ELEVATIONS FOR NEW 2x6 STUD WALL FRAMING AT NORTH AND SOUTH WALLS.

WALL LEGEND

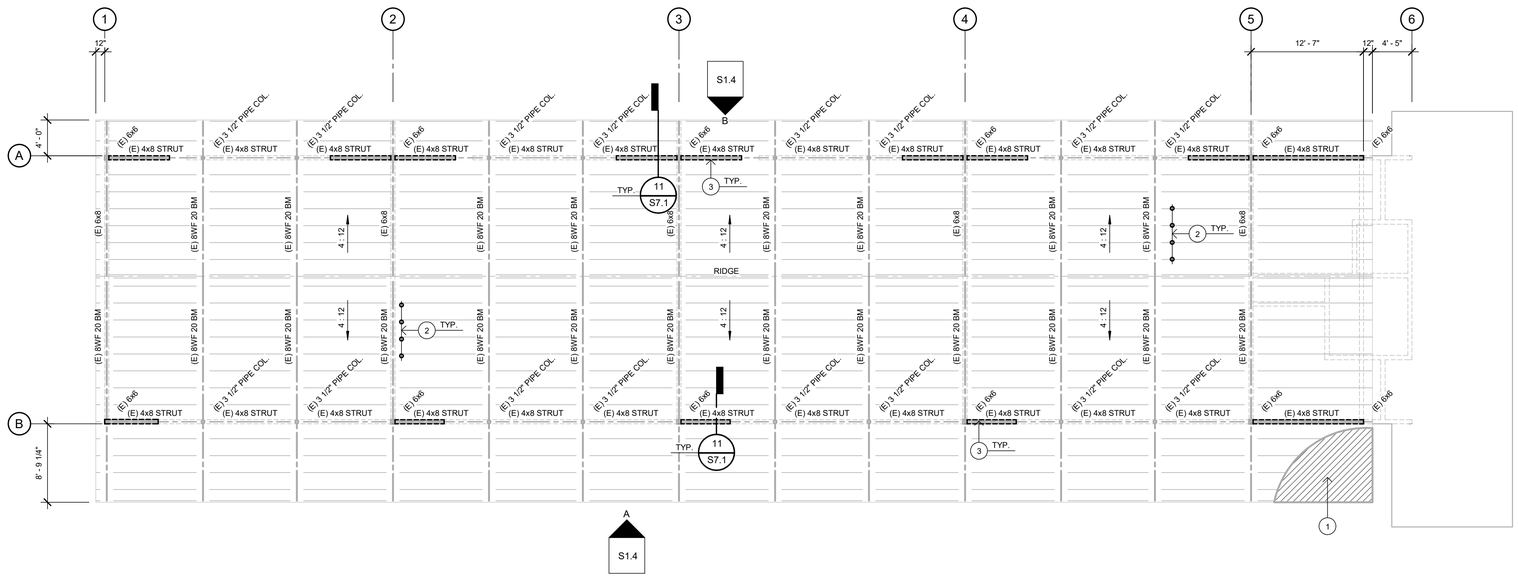
- (E) 2x6 STUD WALL FRAMING AT 16" O.C. - SEE ARCHITECTURAL DRAWINGS FOR (N) INTERIOR 2x STUD WALL FRAMING
- (E) SHEARWALL SHEATHING (THIS SIDE OF WALL). SHEATHING MAY OCCUR ON BOTH SIDES OF WALL - SEE PLAN
- (E) SHEARWALL PROTECT IN PLACE - (NO STRUCTURAL MODIFICATIONS SHALL BE MADE TO (E) SHEARWALL)
- (N) SHEARWALL - SEE DETAIL 43/S0.2 FOR ADD'L. INFORMATION.

COLUMN SCHEDULE

C1	(E) 6x6
C2	(E) 3 1/2" PIPE COL.

CONSTRUCTION KEYNOTES

MARK	*DESCRIPTION*
1	CONCRETE BACKFILL PER DETAIL 23/S0.2 - SEE ARCH. DWGS. FOR ADD'L. INFO.
2	CONCRETE BACKFILL AT EXISTING FOOTING - SEE DETAIL 33/S0.4 FOR ADD'L. INFORMATION
3	BACK TO BACK HOLDOWNS AT EXISITNG 6x6 PER DETAIL 24/S0.3
4	2x4 FURRED WALL PER ARCH. DWGS.



NORTH

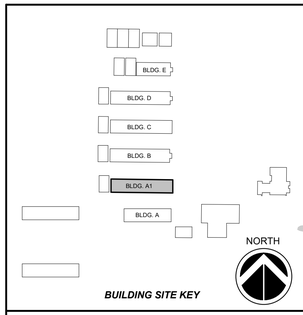
BUILDING A1 - PARTIAL ROOF FRAMING PLAN

1/8" = 1'-0"

NOTE:
THIS PLAN IS FOR REFERENCE ONLY. NO STRUCTURAL MODIFICATIONS WILL BE MADE TO EXISTING ROOF FRAMING MEMBERS

CONSTRUCTION KEYNOTES

MARK	*DESCRIPTION*
1	(E) 1x6 DIAGONAL SHEATHING (TYPICAL THROUGHOUT). RENAIL DIAGONAL ROOF SHEATHING AS REQ'D. W/ 3-8d COMMON AT BOUNDARY MEMBERS AND 2-8d COMMON AT INTERMEDIATE AND END BEARING SUPPORTS
2	(E) 2x8 ROOF JOISTS AT 24" O.C.
3	(N) SHEARWALL FRAMING BELOW PER WALL FRAMING ELEVATION. SEE DETAIL 43/S0.2 FOR ADD'L. INFORMATION



BUILDING SITE KEY

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John Allen
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MODERNIZATION AT MONROE ELEMENTARY SCHOOL

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TITLE
BUILDING A1
SHEARWALL
LAYOUT PLAN,
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FRAMING PLAN

S1.3

PROJECT 24043

LANE PROJECT NO. 24289

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APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. 29126
RENEWAL 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

CONSTRUCTION KEYNOTES

MARK	DESCRIPTION
1	(E) 2x6 PONY WALL W/ STUDS AT 16" O.C. AND 1" DIAG. SHEATHING AT EXTERIOR SIDE OF WALL (PROTECT IN PLACE)
2	(N) HOLDOWN PER PLAN - SEE DETAIL 12/S0.3 FOR ADD'L. INFO.,
3	(N) CONCRETE CURB AT EXISTING OPENING - SEE DETAIL 21/S0.2 FOR ADD'L. INFORMATION
4	(N) 2x6 P.T.D.F. CONT. SILL PLATE. SEE DETAIL 21/S0.2 FOR ADD'L. INFORMATION
5	(N) 3x6 VERT. STUD W/ 1/2" N.S.A. AT 12" O.C. VERT. 3x TO (E) PIPE COL.
6	SIMP. HUC HANGER AT 6x HDR. TO (E) 6x6

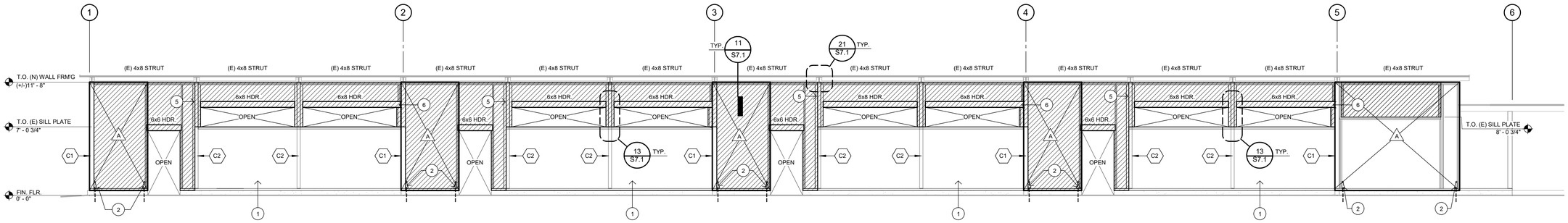
WALL FRAMING ELEVATION

(N) 2x6 STUD WALL IN-FILL FRAMING AT 16" O.C. SEE DETAILS 33/S0.2 AND 31/S0.3 FOR ADD'L. INFORMATION

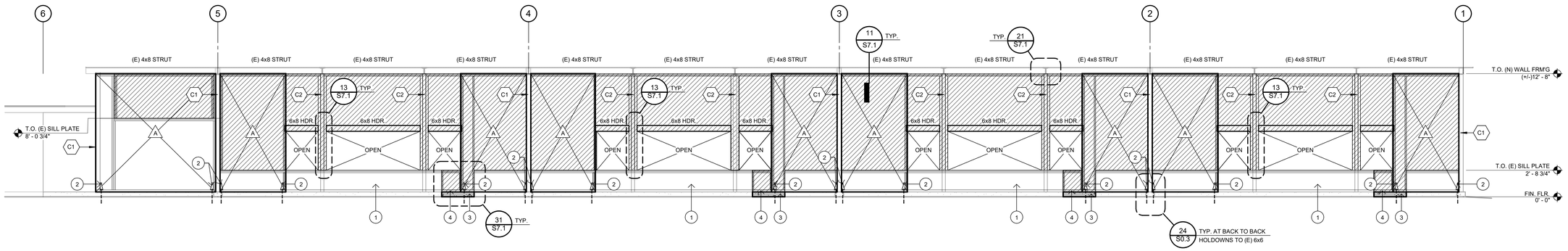
(N) SHEARWALL PANEL. SEE SHEARWALL SCHEDULE, DETAIL 43/S0.2 FOR ADD'L. INFORMATION

COLUMN SCHEDULE

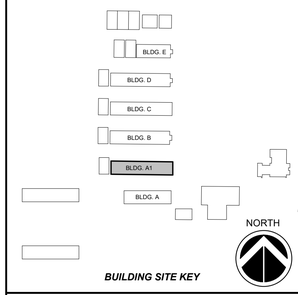
C1	(E) 6x6
C2	(E) 3 1/2" PIPE COL.



A BUILDING A1 - SOUTH FRAMING ELEVATION
3/16" = 1'-0"



B BUILDING A1 - NORTH FRAMING ELEVATION
3/16" = 1'-0"



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STRUCTURAL
STATE OF CALIFORNIA

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY

MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING A1
FRAMING
ELEVATIONS

S1.4

PROJECT 24043

LANE PROJECT NO. 24289

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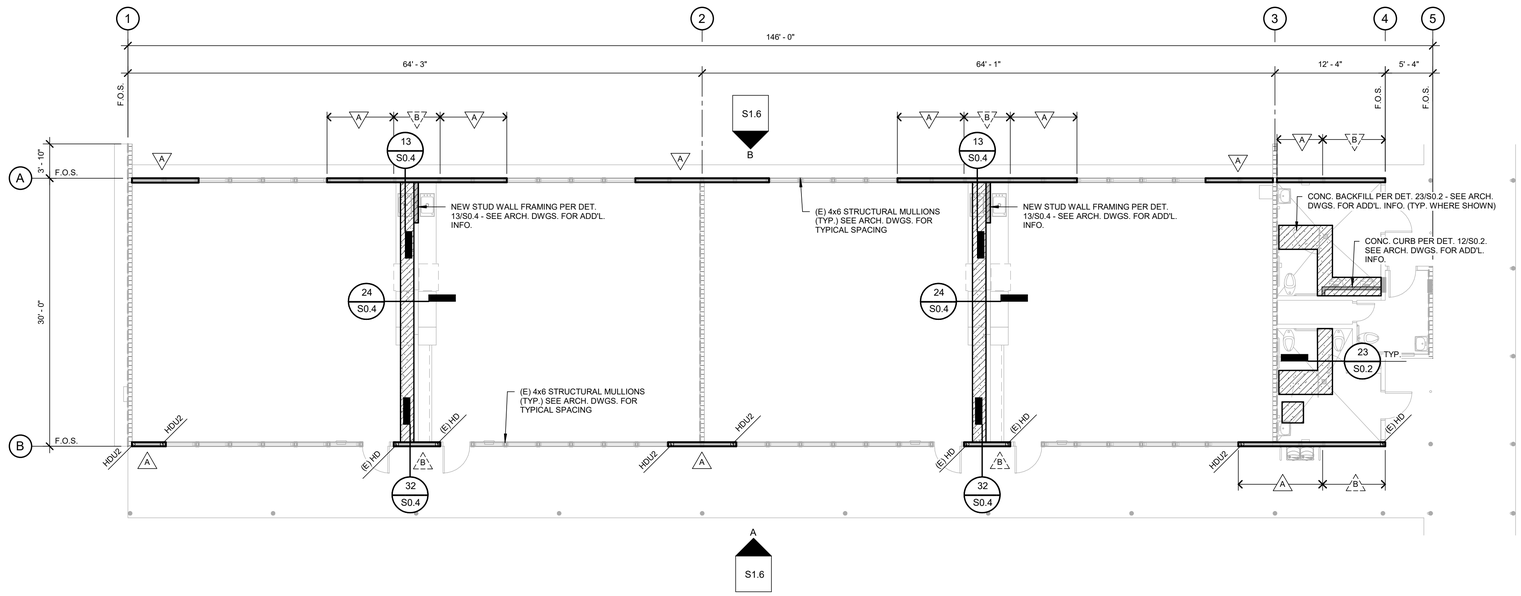


BUILDING B - SHEARWALL LAYOUT PLAN

1/8" = 1'-0"

NOTE:
SEE WALL FRAMING ELEVATIONS FOR NEW 2x6 STUD WALL FRAMING AT NORTH AND SOUTH WALLS.

NORTH

WALL LEGEND

- (E) 2x6 STUD WALL FRAMING AT 16" O.C. - SEE ARCHITECTURAL DRAWINGS FOR INTERIOR 2x STUD WALL FRAMING
- (E) SHEARWALL SHEATHING (THIS SIDE OF WALL)
- (E) SHEARWALL PROTECT IN PLACE - (NO STRUCTURAL MODIFICATIONS SHALL BE MADE TO (E) SHEARWALL)
- SHEARWALL PER WALL FRAMING ELEVATIONS - SEE DETAIL 43/S0.2 FOR ADD'L. INFORMATION.

NOTE:
SEE DETAIL 12/S0.3 FOR (N) HOLDOWNS.

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

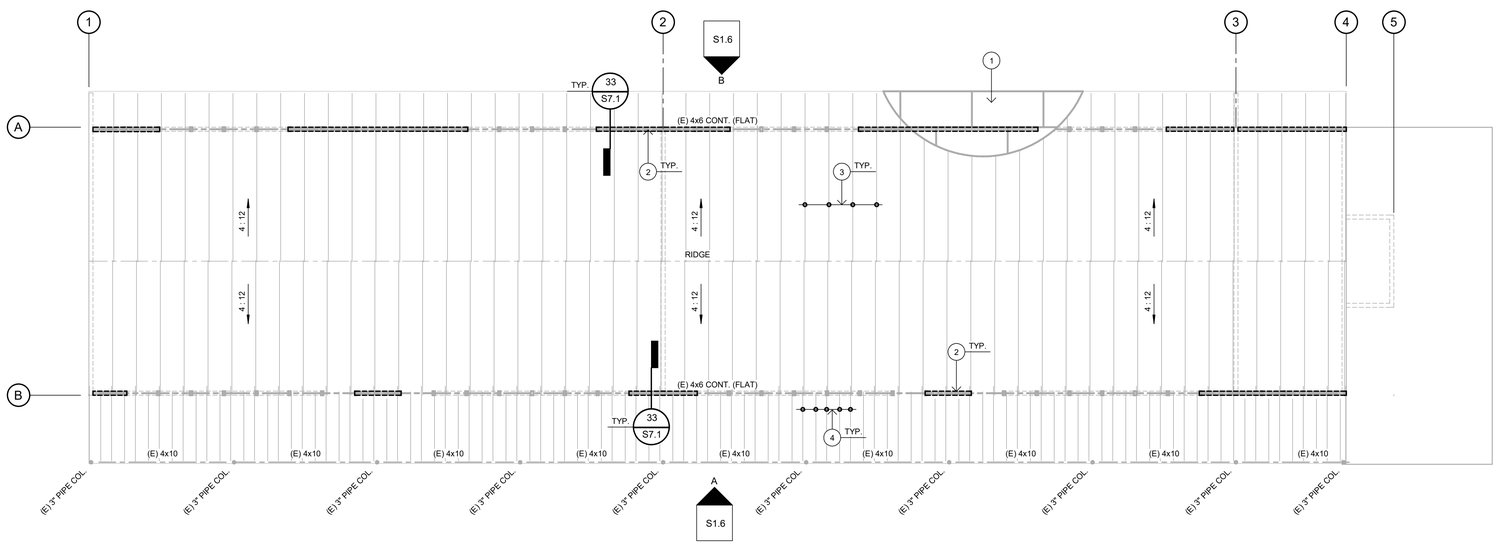
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31126
RENEWAL 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA



BUILDING B - PARTIAL ROOF FRAMING PLAN

1/8" = 1'-0"

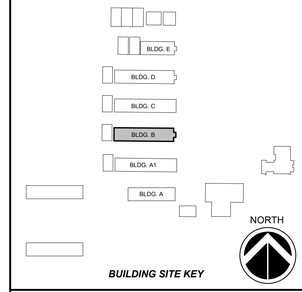
NOTE:
THIS PLAN IS FOR REFERENCE ONLY. NO STRUCTURAL MODIFICATIONS WILL BE MADE TO EXISTING ROOF FRAMING MEMBERS

NORTH

CONSTRUCTION KEYNOTES

MARK	DESCRIPTION
1	(E) 5/8" PLYWOOD SHEATHING W/ 8d AT 6" O.C. EDGES AND 12" O.C. FIELD (TYP. THROUGHT). RENAIL PLYWOOD SHEATHING AS REQ'D WITH 8d COMMON AT 6" O.C. ALL PANEL EDGES AND 12" O.C. FIELD.
2	(N) SHEARWALL FRAMING BELOW PER WALL FRAMING ELEVATION. SEE DETAIL 43/S0.2 FOR ADD'L. INFORMATION
3	(E) 2x8 TRUSSED RAFTERS AT 32" O.C.
4	(E) 2x6 JOISTS AT 16" O.C. (MAX.)

REVISIONS



BUILDING SITE KEY

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Tulare, California 93274
559.688.5263
www.laneengineers.com

REGISTERED PROFESSIONAL ENGINEER
John Antonio Allard
S 5176
STRUCTURAL
STATE OF CALIFORNIA

TITLE
BUILDING B
SHEARWALL
LAYOUT PLAN,
PARTIAL ROOF
FRAMING PLAN

S1.5

PROJECT 24043

LANE PROJECT NO. 24289

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APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
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DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21126
EXPIRATION: 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

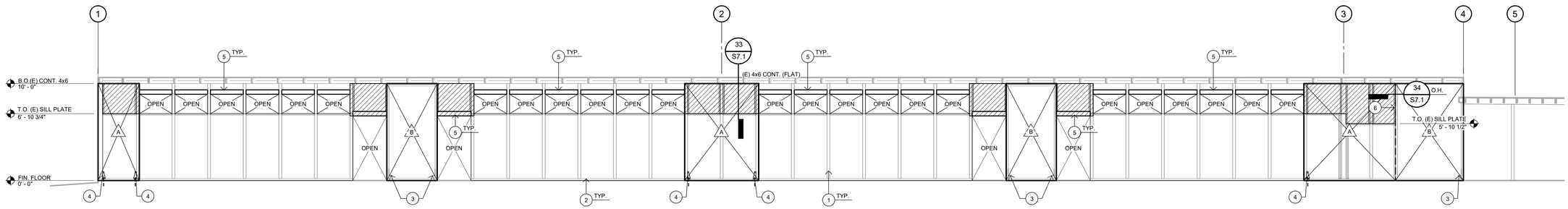
CONSTRUCTION KEYNOTES

MARK	DESCRIPTION
1	(E) 4x6 STRUCTRAL MULLIONS SEE ARCH. DWGS. FOR SPACING. (TYP. WHERE SHOWN)
2	(E) 3x6 CONT., SILL PLATE W/ 5/8" DIA. A.B.'S. AT 48" O.C.
3	(E) HOLDOWN
4	(N) HOLDOWN PER PLAN - SEE DETAIL 12/S0.3 FOR ADD'L. INFO.,
5	(N) 6x6 HEADER W/ SIMP. HUC HANGER AT EA. END. (TYPICAL AT ALL WALL OPENINGS)
6	ADDITIONAL 2x6 VERTICAL FRAMING PER DETAIL 34/S7.1

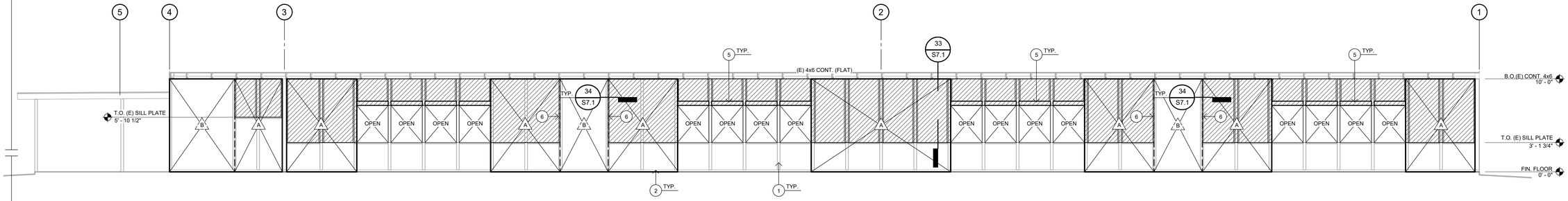
LEGEND

(N) 2x6 STUD WALL IN-FILL FRAMING AT 16" O.C. SEE DETAIL 33/S7.1 FOR ADD'L. INFORMATION

SHEARWALL PANEL. SEE SHEARWALL SCHEDULE, DETAIL 43/S0.2 FOR ADD'L. INFORMATION



A BUILDING B - SOUTH FRAMING ELEVATION
3/16" = 1'-0"

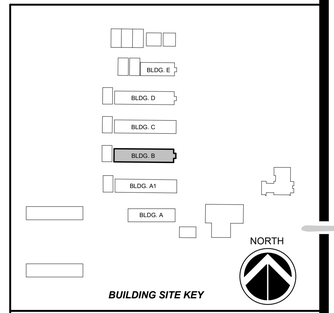


B BUILDING B - NORTH FRAMING ELEVATION
3/16" = 1'-0"

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS



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REGISTERED PROFESSIONAL ENGINEER
John Allard
S 5176
STRUCTURAL
STATE OF CALIFORNIA

TITLE
BUILDING B
FRAMING
ELEVATIONS

S1.6

PROJECT 24043

LANE PROJECT NO. 24289

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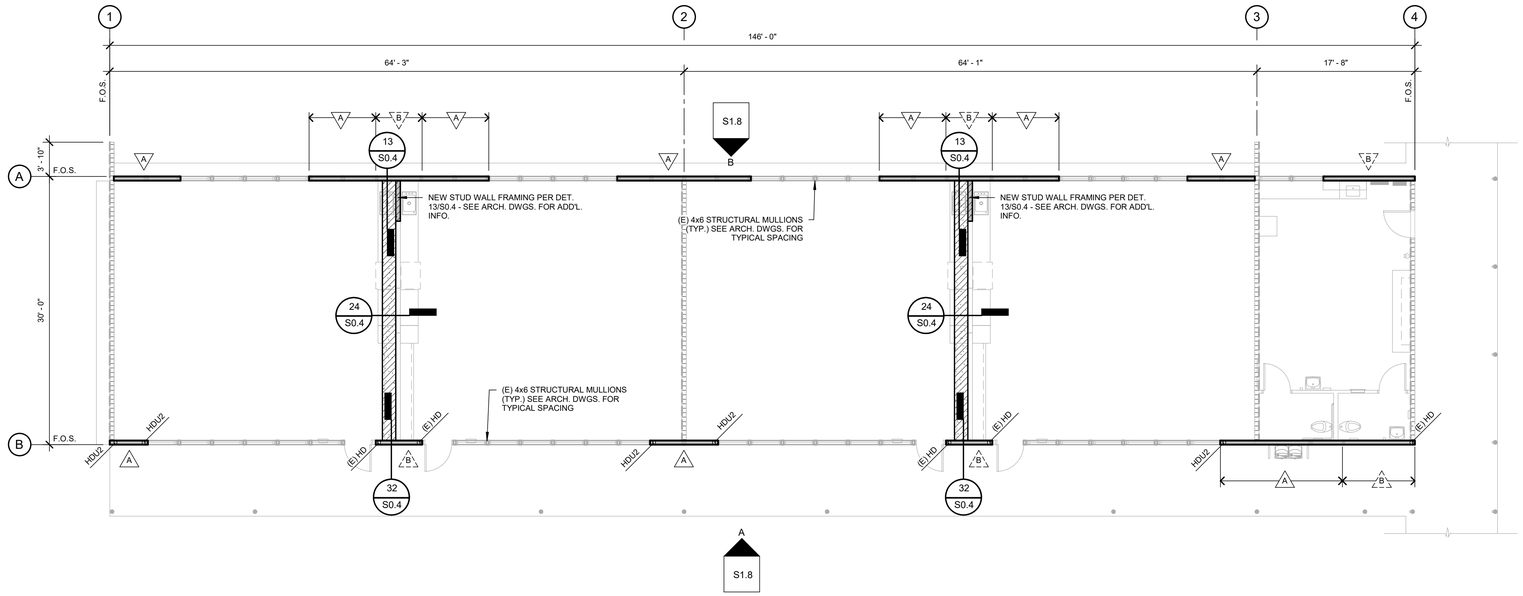

BUILDING C - SHEARWALL LAYOUT PLAN

1/8" = 1'-0"

NOTE:
SEE WALL FRAMING ELEVATIONS FOR NEW 2x6 STUD WALL FRAMING AT NORTH AND SOUTH WALLS.

NORTH

WALL LEGEND

- (E) 2x6 STUD WALL FRAMING AT 16" O.C. - SEE ARCHITECTURAL DRAWINGS FOR INTERIOR 2x STUD WALL FRAMING
- (E) SHEARWALL SHEATHING (THIS SIDE OF WALL)
- (E) SHEARWALL PROTECT IN PLACE - (NO STRUCTURAL MODIFICATIONS SHALL BE MADE TO (E) SHEARWALL)
- SHEARWALL PER WALL FRAMING ELEVATIONS - SEE DETAIL 43/S0.2 FOR ADD'L. INFORMATION.

NOTE:
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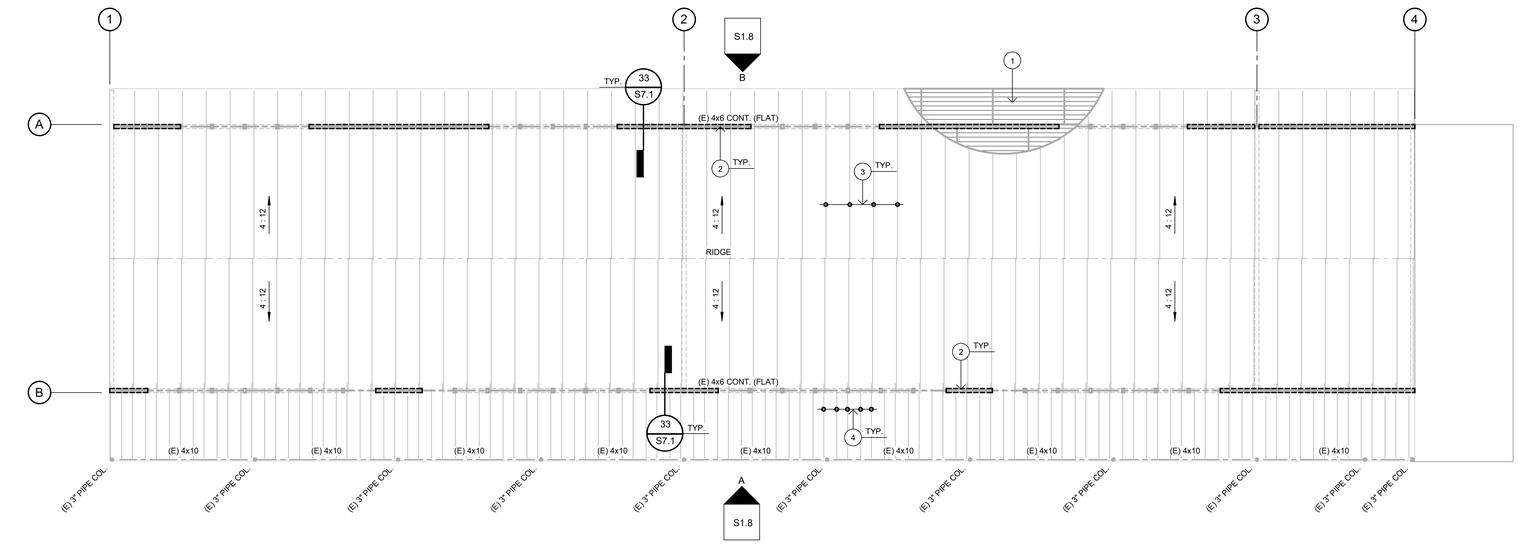
LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31126
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA



BUILDING C - PARTIAL ROOF FRAMING PLAN

1/8" = 1'-0"

NOTE:
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NORTH

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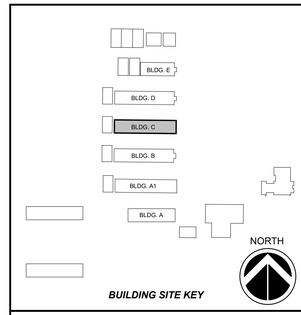
MARK	DESCRIPTION
1	(E) 5/8" PLYWOOD SHEATHING W/ 8d AT 6" O.C. EDGES AND 12" O.C. FIELD (TYP. THROUGHT). RENAIL PLYWOOD SHEATHING AS REQ'D WITH 8d COMMON AT 6" O.C. ALL PANEL EDGES AND 12" O.C. FIELD.
2	(N) SHEARWALL FRAMING BELOW PER WALL FRAMING ELEVATION. SEE DETAIL 43/S0.2 FOR ADD'L. INFORMATION
3	(E) 2x6 TRUSSED RAFTERS AT 32" O.C.
4	(E) 2x6 JOISTS AT 16" O.C. (MAX.)



BUILDING SITE KEY

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REGISTERED PROFESSIONAL ENGINEER
John Attilano
S 5176
STRUCTURAL
STATE OF CALIFORNIA

TITLE
BUILDING C
SHEARWALL
LAYOUT PLAN,
PARTIAL ROOF
FRAMING PLAN

S1.7

PROJECT 24043

LANE PROJECT NO. 24289

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APPROVALS

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LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21126
EXPIRATION: 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

CONSTRUCTION KEYNOTES

MARK	DESCRIPTION
1	(E) 4x6 STRUCTURAL MULLIONS SEE ARCH. DWGS. FOR SPACING. (TYP. WHERE SHOWN)
2	(E) 3x6 CONT., SILL PLATE W/ 5/8" DIA. A.B.'S. AT 48" O.C.
3	(E) HOLDOWN
4	(N) HOLDOWN PER PLAN - SEE DETAIL 12/S0.3 FOR ADD'L. INFO.,
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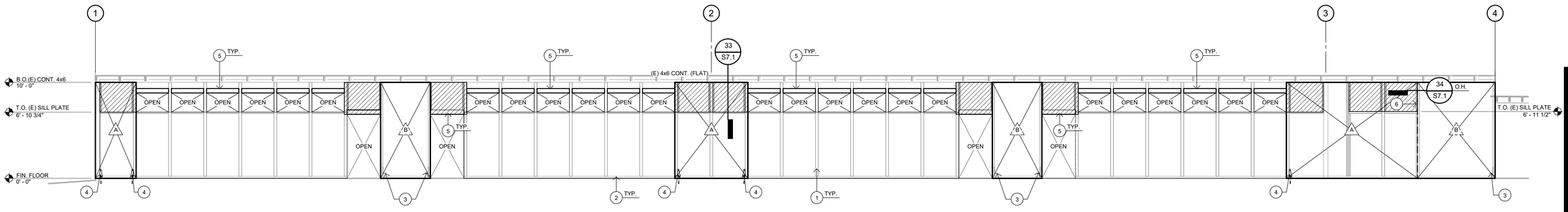
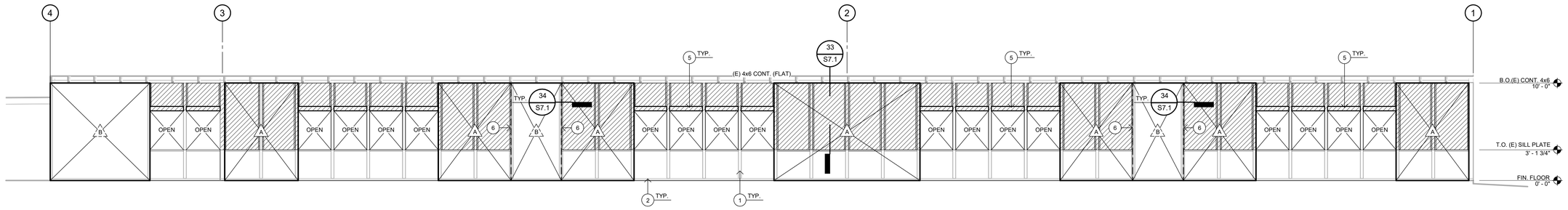
SHEARWALL PANEL. SEE SHEARWALL SCHEDULE, DETAIL 43/S0.2 FOR ADD'L. INFORMATION



A BUILDING C - SOUTH FRAMING ELEVATION
3/16" = 1'-0"



B BUILDING C - NORTH FRAMING ELEVATION
3/16" = 1'-0"

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

BUILDING SITE KEY

LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
979 North Blackstone Street
Tulare, California 93274
559.688.5263
www.lanengineers.com

REGISTERED PROFESSIONAL ENGINEER
John Allano
S 5176
STRUCTURAL
STATE OF CALIFORNIA

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TITLE
BUILDING C
FRAMING
ELEVATIONS

S1.8

PROJECT 24043

LANE PROJECT NO. 24289

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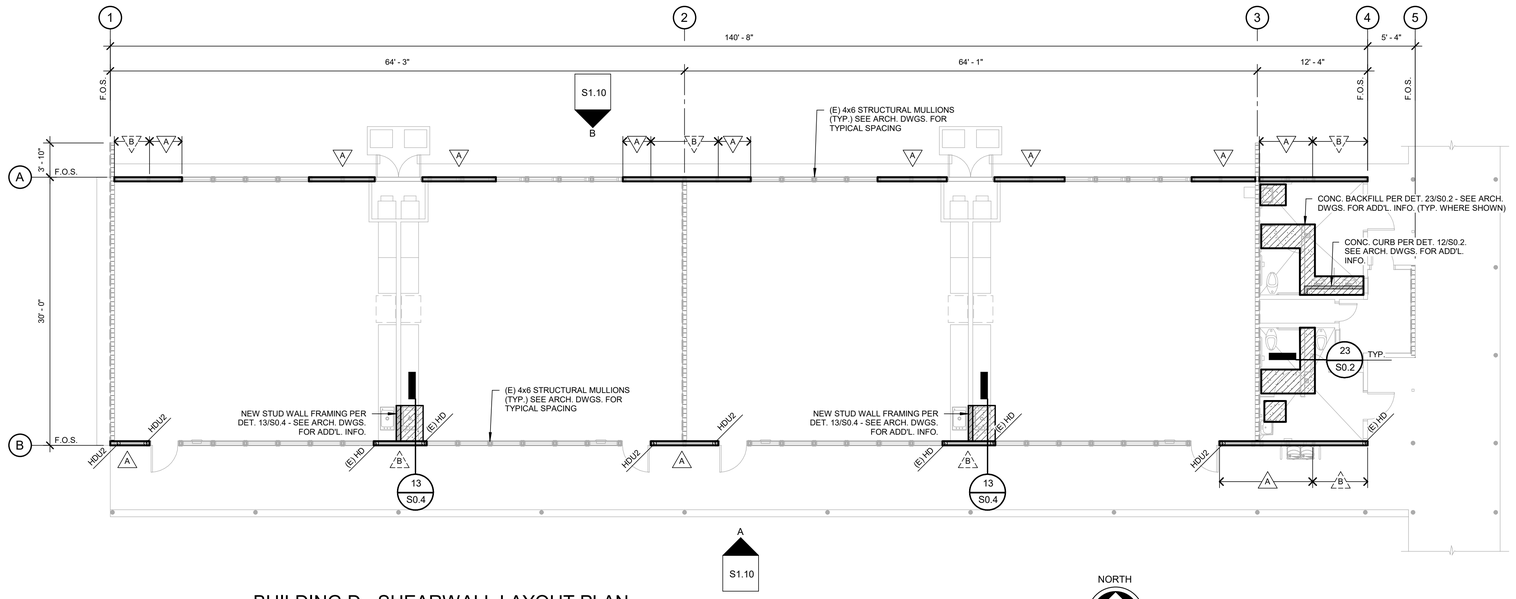

BUILDING D - SHEARWALL LAYOUT PLAN

1/8" = 1'-0"

NOTE:
SEE WALL FRAMING ELEVATIONS FOR NEW 2x6 STUD WALL FRAMING AT NORTH AND SOUTH WALLS.

NORTH

WALL LEGEND

- (E) 2x6 STUD WALL FRAMING AT 16" O.C. - SEE ARCHITECTURAL DRAWINGS FOR INTERIOR 2x STUD WALL FRAMING
- (E) SHEARWALL SHEATHING (THIS SIDE OF WALL)
- (E) SHEARWALL PROTECT IN PLACE - (NO STRUCTURAL MODIFICATIONS SHALL BE MADE TO (E) SHEARWALL)
- SHEARWALL PER WALL FRAMING ELEVATIONS - SEE DETAIL 43/S0.2 FOR ADD'L. INFORMATION.

NOTE:
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APPROVALS

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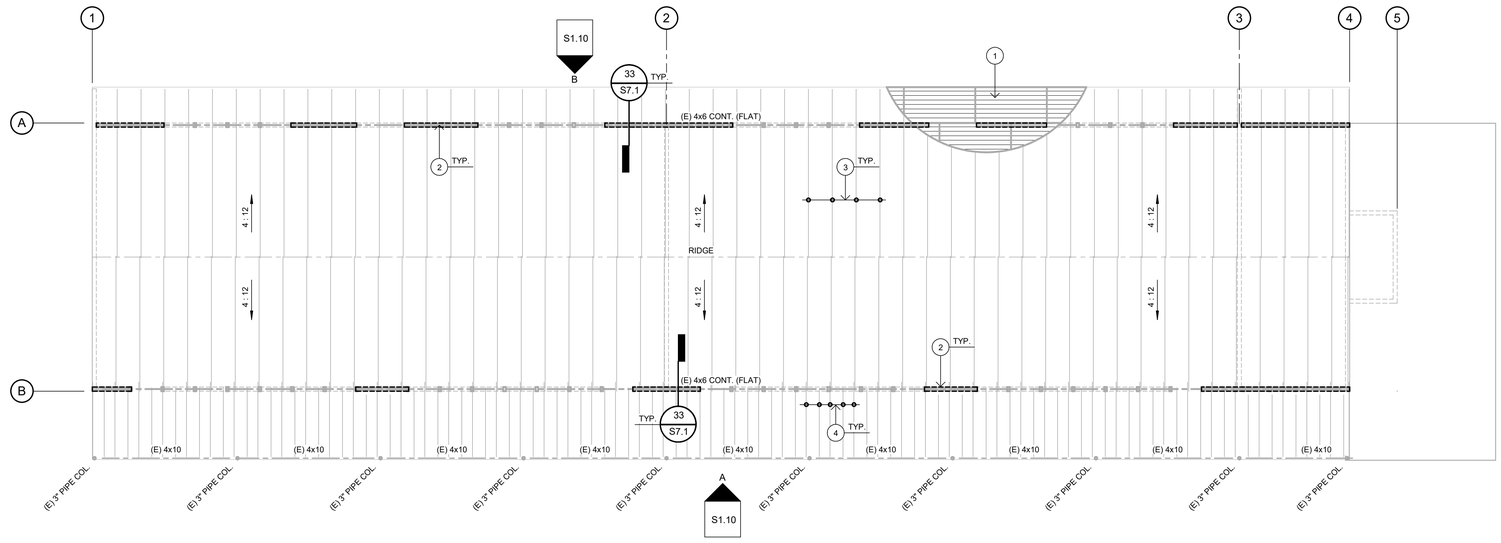
HANFORD ELEMENTARY SCHOOL DISTRICT

HANFORD, KINGS COUNTY, CA



BUILDING D - PARTIAL ROOF FRAMING PLAN

1/8" = 1'-0"

NOTE:
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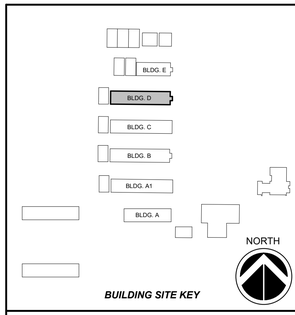
NORTH

CONSTRUCTION KEYNOTES

MARK	DESCRIPTION
1	(E) 1/2" PLYWOOD SHEATHING W/ 8d AT 6" O.C. EDGES AND 12" O.C. FIELD (TYP. THROUGHT). RENAIL PLYWOOD SHEATHING AS REQ'D WITH 8d COMMON AT 6" O.C. ALL PANEL EDGES AND 12" O.C. FIELD.
2	(N) SHEARWALL FRAMING BELOW PER WALL FRAMING ELEVATION. SEE DETAIL 43/S0.2 FOR ADD'L. INFORMATION
3	(E) 2x8 TRUSSED RAFTERS AT 32" O.C.
4	(E) 2x8 JOISTS AT 16" O.C. (MAX.)



BUILDING SITE KEY

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REGISTERED PROFESSIONAL ENGINEER
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TITLE
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SHEARWALL
LAYOUT PLAN,
PARTIAL ROOF
FRAMING PLAN

S1.9

PROJECT 24043

LANE PROJECT NO. 24289

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CONSTRUCTION KEYNOTES

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1	(E) 4x6 STRUCTURAL MULLIONS SEE ARCH. DWGS. FOR SPACING. (TYP. WHERE SHOWN)
2	(E) 3x6 CONT. SILL PLATE W/ 5/8" DIA. A.B.'S. AT 48" O.C.
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LEGEND

(N) 2x6 STUD WALL IN-FILL FRAMING AT 16" O.C. SEE DETAIL 33/S7.1 FOR ADD'L. INFORMATION

SHEARWALL PANEL. SEE SHEARWALL SCHEDULE, DETAIL 43/S0.2 FOR ADD'L. INFORMATION

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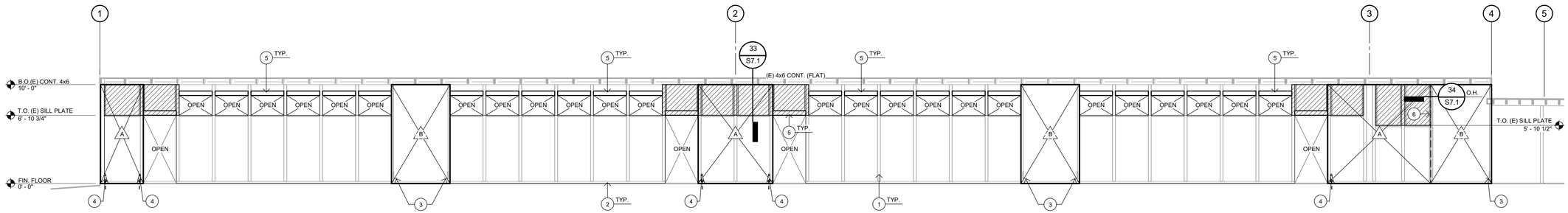
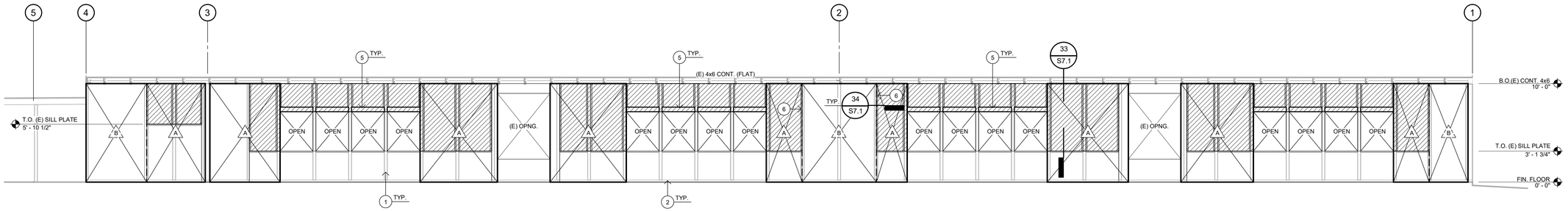


A BUILDING D - SOUTH FRAMING ELEVATION
3/16" = 1'-0"

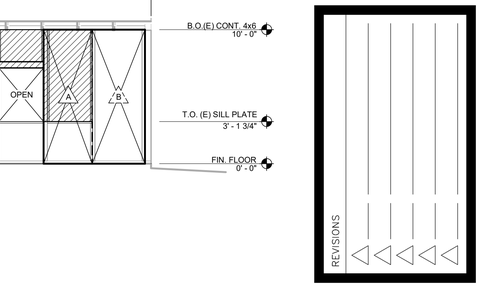


B BUILDING D - NORTH FRAMING ELEVATION
3/16" = 1'-0"

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS



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S 5178
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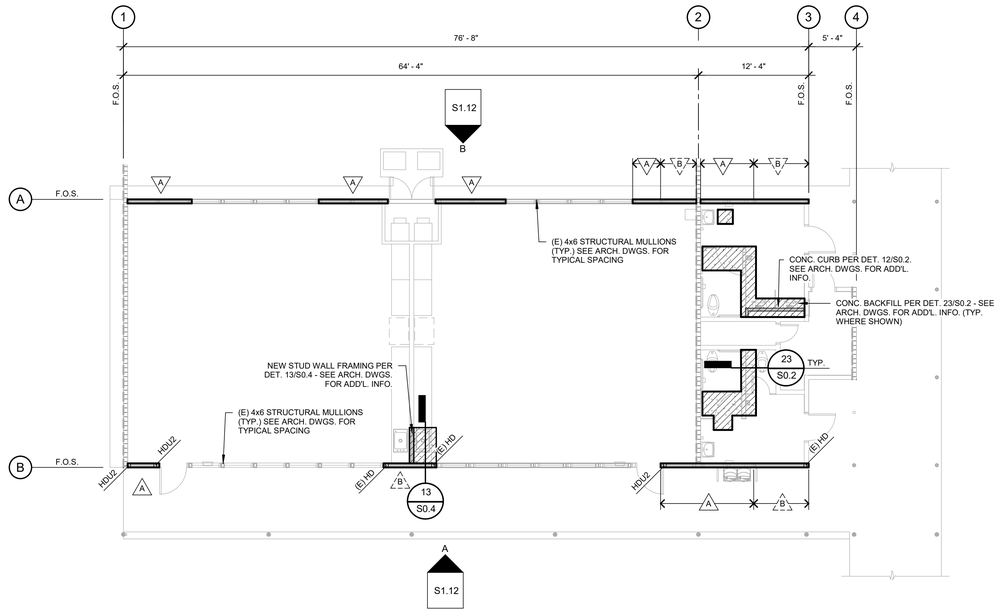

BUILDING E - SHEARWALL LAYOUT PLAN

1/8" = 1'-0"

NOTE:
SEE WALL FRAMING ELEVATIONS FOR NEW 2x6 STUD WALL FRAMING AT NORTH AND SOUTH WALLS.

NORTH

WALL LEGEND

- (E) 2x6 STUD WALL FRAMING AT 16" O.C. - SEE ARCHITECTURAL DRAWINGS FOR INTERIOR 2x STUD WALL FRAMING
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APP: 02-123247 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

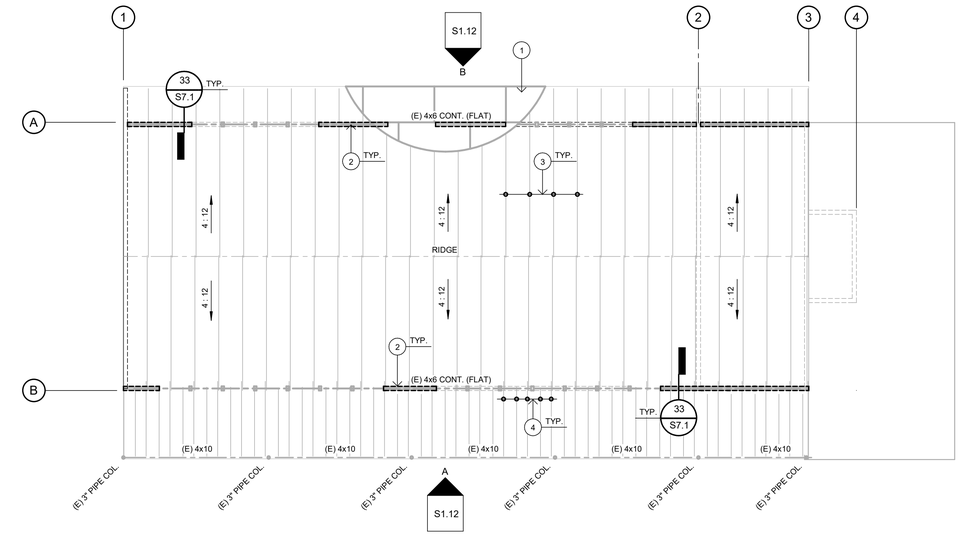
LICENSED ARCHITECT
JAMES R. MORRELL
No. C-27126
RENEWAL 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT

HANFORD, KINGS COUNTY, CA



BUILDING E - PARTIAL ROOF FRAMING PLAN

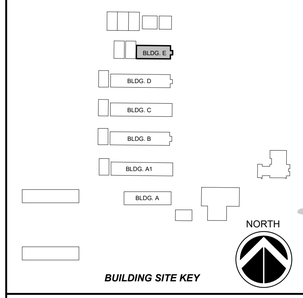
1/8" = 1'-0"

NOTE:
THIS PLAN IS FOR REFERENCE ONLY. NO STRUCTURAL MODIFICATIONS WILL BE MADE TO EXISTING ROOF FRAMING MEMBERS

NORTH

CONSTRUCTION KEYNOTES

MARK	*DESCRIPTION*
1	(E) 1/2" PLYWOOD SHEATHING W/ 8d AT 6" O.C. EDGES AND 12" O.C. FIELD (TYP. THROUGHT). RENAIL PLYWOOD SHEATHING AS REQ'D WITH 8d COMMON AT 6" O.C. ALL PANEL EDGES AND 12" O.C. FIELD.
2	(N) SHEARWALL FRAMING BELOW PER WALL FRAMING ELEVATION. SEE DETAIL 43/S0.2 FOR ADD'L. INFORMATION
3	(E) 2x8 TRUSSED RAFTERS AT 32" O.C.
4	(E) 2x6 JOISTS AT 16" O.C. (MAX.)



BUILDING SITE KEY

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

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Tulare, California 93274
559.688.5263
www.laneengineers.com

REGISTERED PROFESSIONAL ENGINEER
John Antonio Allard
S 5176
STRUCTURAL
STATE OF CALIFORNIA

TITLE
BUILDING E
SHEARWALL
LAYOUT PLAN,
PARTIAL ROOF
FRAMING PLAN

S1.11

PROJECT 24043

LANE PROJECT NO. 24289

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APPROVALS

FILE # 16-14 APPLICATION # 02-123247

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No. C-31126
RENEWAL 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

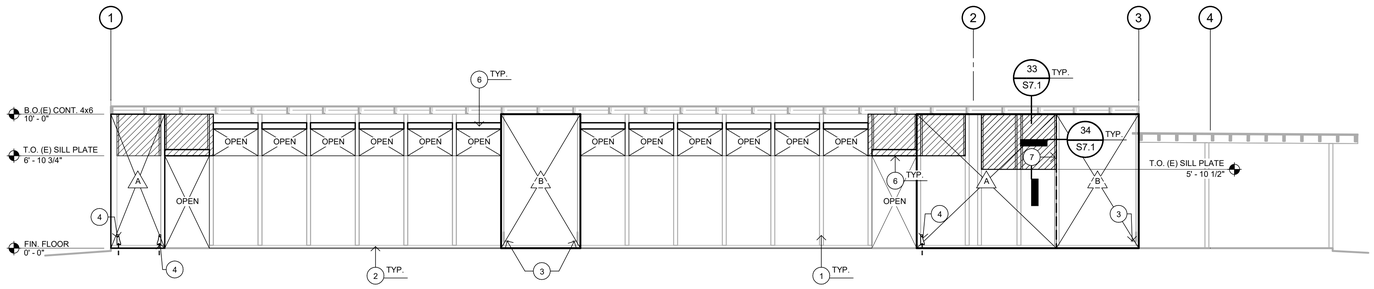
LEGEND

(N) 2x6 STUD WALL IN-FILL FRAMING AT 16" O.C. SEE DETAIL 33/S7.1 FOR ADD'L. INFORMATION

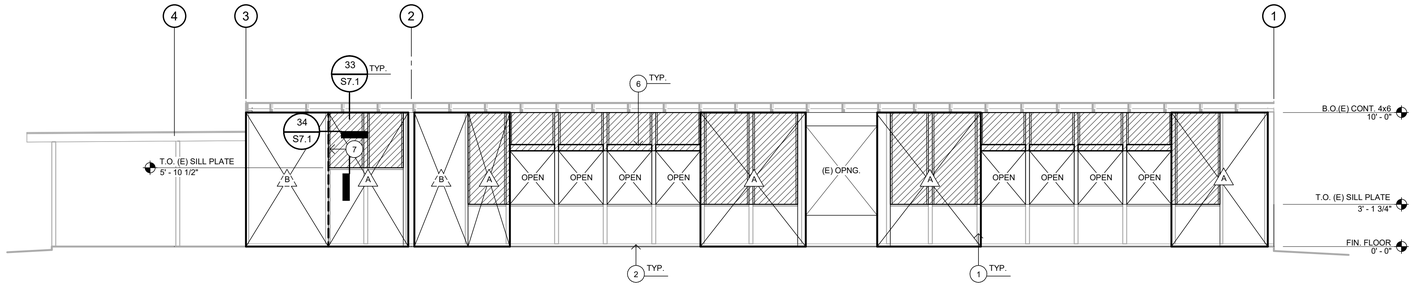
SHEARWALL PANEL. SEE SHEARWALL SCHEDULE, DETAIL 43/S0.2 FOR ADD'L. INFORMATION

CONSTRUCTION KEYNOTES

MARK	DESCRIPTION
1	(E) 4x6 STRUCTRAL MULLIONS SEE ARCH. DWGS. FOR SPACING. (TYP. WHERE SHOWN)
2	(E) 3x6 CONT. SILL PLATE W/ 5/8" DIA. A.B.'S. AT 48" O.C.
3	(E) HOLDOWN
4	(N) HOLDOWN PER PLAN - SEE DETAIL 12/S0.3 FOR ADD'L. INFO.,
6	(N) 6x6 HEADER W/ SIMP. HUC HANGER AT EA. END. (TYPICAL AT ALL WALL OPENINGS)
7	ADDITIONAL 2x6 VERTICAL FRAMING PER DETAIL 34/S7.1



A BUILDING E - SOUTH FRAMING ELEVATION
3/16" = 1'-0"



B BUILDING E - NORTH FRAMING ELEVATION
3/16" = 1'-0"

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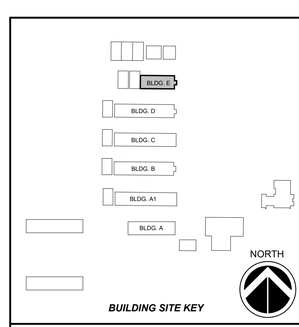
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS



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TITLE
BUILDING E
FRAMING
ELEVATIONS

S1.12

PROJECT 24043

LANE PROJECT NO. 24289

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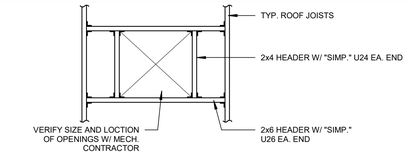
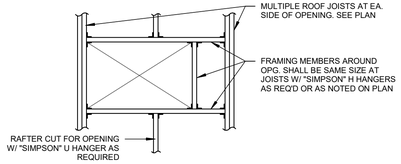
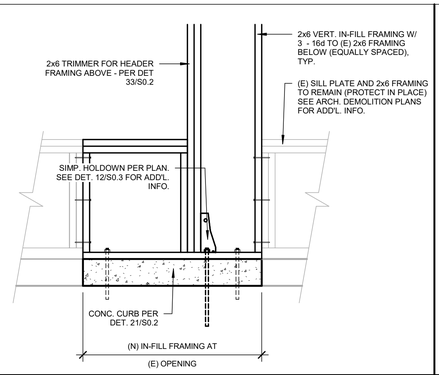


OPENING LESS THAN RAFTER SPACING

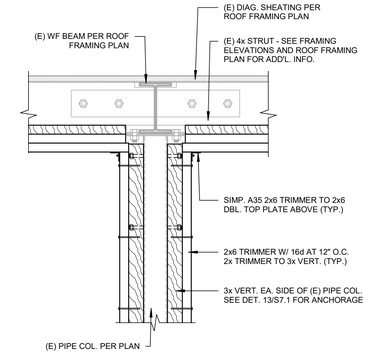


OPENING WIDER THAN RAFTER SPACING

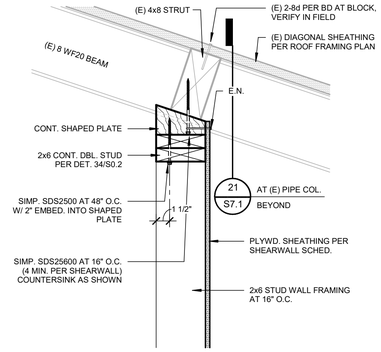
TYP. FRAMED OPENINGS NO SCALE 41



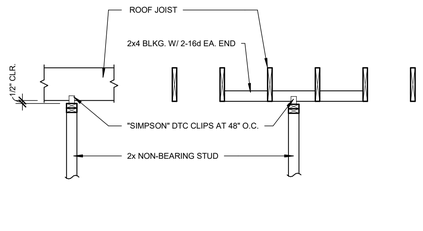
FRAMING DETAIL 3/4" = 1'-0" 31



FRAMING DETAIL 1" = 1'-0" 21

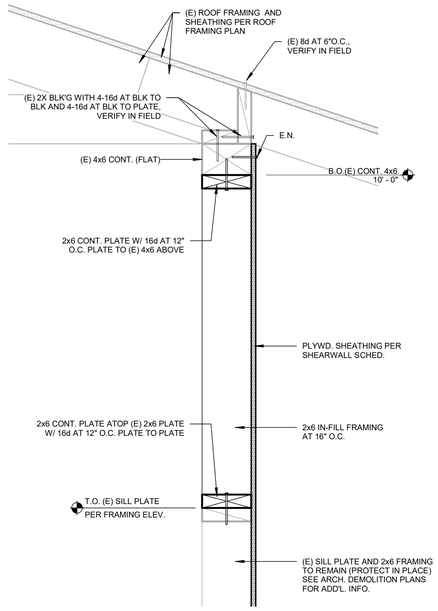


FRAMING DETAIL 1 1/2" = 1'-0" 11

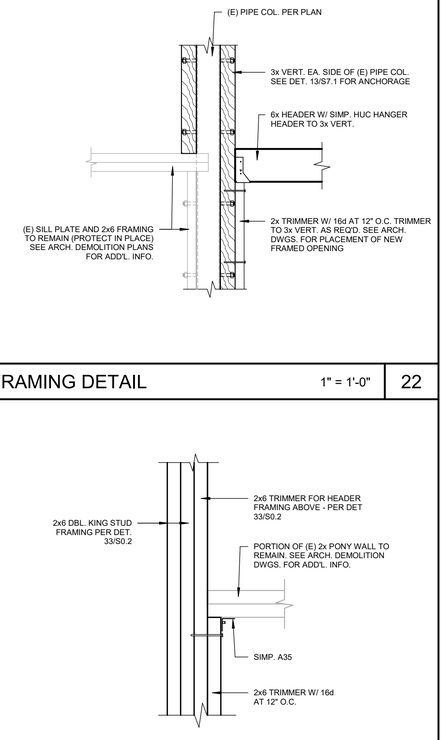


PERPENDICULAR - TO FRAMING - PARALLEL

TOP OF NON BEARING WALL NO SCALE 42

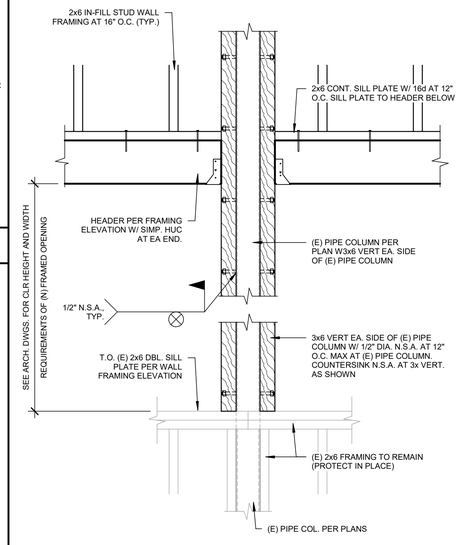


FRAMING DETAIL. 1 1/2" = 1'-0" 33

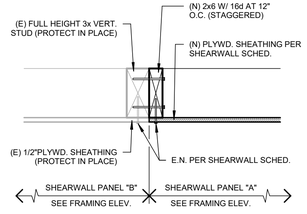


FRAMING DETAIL 1" = 1'-0" 22

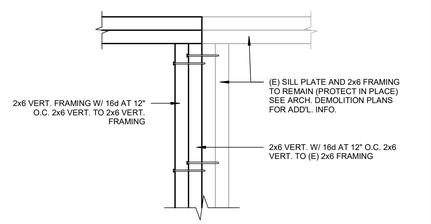
FRAMING DETAIL 1 1/2" = 1'-0" 23



FRAMING DETAIL 1" = 1'-0" 13



FRAMING DETAIL 1 1/2" = 1'-0" 34



FRAMING DETAIL 1 1/2" = 1'-0" 24

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TITLE FRAMING DETAILS

S7.1

PROJECT 24043

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REGISTERED PROFESSIONAL ENGINEER
John Allpino
S 5176
STRUCTURAL
STATE OF CALIFORNIA

LANE PROJECT NO. 24289

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No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

GENERAL PLUMBING NOTES:

1. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE 2022 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WOULD NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUESTED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.

2. THE APPLICABLE CODES AND REGULATIONS FOR THIS PROJECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

   CALIFORNIA CODE OF REGULATIONS
   TITLE 8, INDUSTRIAL RELATIONS
   TITLE 19, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
   TITLE 24, PART 1, ADMINISTRATIVE REGULATIONS
   2022 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 CCR
   2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR
   2022 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 CCR
   2022 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 CCR
   2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR

   NFPA 101 2021 EDITION
   OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT

3. LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE PLUMBING BUILDING PLANS HAVE BEEN PREPARED TO MATCH THE ARCHITECTURAL PLANS. IF DIFFERENCES OCCUR, THE ARCHITECTURAL PLANS ARE TO TAKE PRECEDENCE. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK, TO AVOID ALL INTERFERENCE WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL, OR OTHER ELEMENTS. ALL PIPE OFFSET ELBOWS FOR COORDINATION BETWEEN TRADES ARE NOT SHOWN. CONTRACTOR SHALL INCLUDE SUFFICIENT FUNDS FOR THE COORDINATION OFFSETS IN THE BID. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.

4. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER-DRIVEN PINS IN EXISTING NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRE-STRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

5. **MEP COMPONENT ANCHORAGE NOTE:**

   ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

   1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
   2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
   3. TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

   THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

   A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
   B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

   THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

   PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

   PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, 1617A.1.26.

   THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR THE CONTENT OF THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

   MP ☐ MD ☐ PP☒ A. OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

   MP ☐ MD ☐ PP ☐ B. OPTION 2: PLUMBING PIPING (PP) - SHALL COMPLY WITH OPM-0043-13 HCAI PRE-APPROVAL (MASON WEST, SEISMIC RESTRAINT GUIDELINES FOR SUSPENDED DISTRIBUTION SYSTEMS).

   MP ☐ MD ☐ PP☐ C. OPTION 3: PLUMBING PIPING (PP) - SHALL COMPLY WITH OPM (OSHPD / HCAI), DEFERRED SUBMITTAL.

6. BRACE ALL PIPING 4" DIAMETER AND GREATER; USE Ip=1.0 FOR SEISMIC DESIGN CALCULATIONS. EXCEPTION: NATURAL GAS PIPING 1"DIAMETER AND GREATER, USE Ip=1.5 FOR SEISMIC DESIGN CALCULATIONS.

7. PENETRATIONS THROUGH FIRE RATED WALLS, FLOOR/CEILING, AND ROOF/CEILING ASSEMBLIES SHALL BE SEALED USING AN APPROVED SYSTEM CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC TO FIRE STOPS PER 2022 CBC SECTION 714. THIS INCLUDES EXISTING PIPE AND CONDUIT THROUGH NEW ASSEMBLIES. CUSTOM DESIGNED SYSTEMS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVED SYSTEMS BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY WILL NOT BE ACCEPTABLE. FOR FIRE STOPS FOR PIPE PENETRATIONS SEE SPECIFICATIONS.

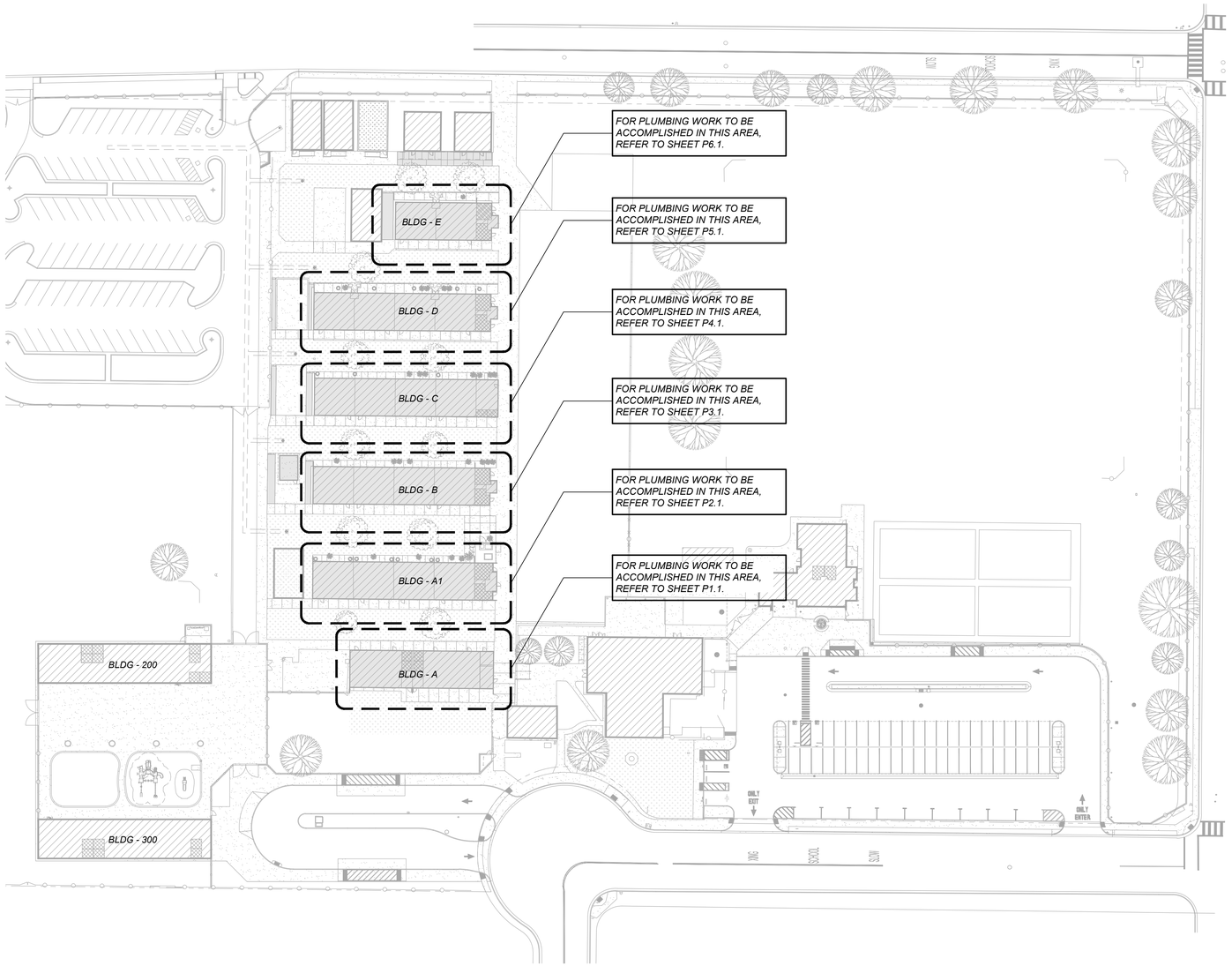
8. FIELD VERIFY THE EXACT LOCATION, DEPTH AND SIZE OF ALL NEW POINTS OF CONNECTION TO EXISTING UTILITIES PRIOR TO COMMENCING NEW UTILITY WORK.

9. INSTALLATION OF NEW UTILITIES FROM EXISTING MAINS IN THE STREET SHALL BE DONE IN STRICT ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS.

10. INSTALLATION, TYPE AND MANUFACTURERS MODELS OF DOMESTIC WATER METERS, BACKFLOW PREVENTERS, FIRE HYDRANTS, DETECTOR CHECK VALVES, MANHOLES, DRAIN INLETS/OUTLETS AND OTHER APPURTENANCE OF SITE UTILITY SYSTEMS SHALL BE DONE IN STRICT ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS.

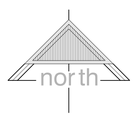
11. CONTRACTOR SHALL EXCAVATE AND BACKFILL THE GAS SERVICE TRENCH FOR THE LOCAL GAS UTILITY. THE LOCAL GAS UTILITY SHALL INSTALL THEIR GAS SERVICE LINE TO THE GAS METER. TRENCHING SHALL BE IN ACCORDANCE WITH UTILITY STANDARDS. ALL CHARGES AND FEES INCURRED BY THE UTILITY FOR NEW GAS SERVICE SHALL BE PAID BY THE CONTRACTOR.

12. ALL DOMESTIC WATER PIPING SHALL BE A MINIMUM OF 1/2" SIZE UNLESS NOTED OTHERWISE. USE A REDUCING DROP ELL AT FIXTURE CONNECTION WHEN APPLICABLE.



SITE PLAN

SCALE: 1" = 50'-0"



PLUMBING LEGEND		
SYMBOL	ITEM	ABBR
———	SOIL or WASTE	S or W
- - - - -	VENT	V
	VENT RISER	VR
	VENT THRU ROOF	VTR
—— - ——	DOMESTIC COLD WATER	CW
—— -- ——	DOMESTIC HOT WATER	HW
—— --- ——	DOMESTIC HOT WATER RETURN	HWR
—G—	LOW PRESSURE NATURAL GAS	G
—2#G—	2 PSI GAS	2#G
—5#G—	5 PSI GAS	5#G
—GSM—	GAS SERVICE MAIN BY THE LOCAL GAS UTILITY	GSM
—C—	CONDENSATE DRAIN	CD
—RWL—	RAIN WATER LEADER	RWL
—OD—	OVERFLOW DRAIN	OD
—SD—	STORM DRAIN	SD
—IW—	INDIRECT WASTE	IW
—F—	FIRE PROTECTION LINE	F
—— ——	EXISTING PIPING	(E)
(E)	EXISTING	
(N)	NEW	
	ABOVE CEILING	ABV CLG
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	TYPICAL	TYP
	CONTINUATION	CONT
	DOWN	DN
	FLOOR CLEANOUT	FCO
	CLEANOUT TO GRADE	COTG
	WALL CLEANOUT	WCO
	PIPING TURN UP	
	PIPING TURN DOWN	
	POINT OF CONNECTION	POC
	SHUT-OFF VALVE IN BOX	SOV
	SHUT-OFF VALVE	SOV
	SHUT-OFF VALVE IN RISER	-
	SHUT-OFF VALVE IN DROP	-
	GATE VALVE	-
	BUTTERFLY VALVE	-
	GLOBE VALVE	-
	CHECK VALVE	-
	PLUG VALVE	-
	BALL VALVE	-
	BALANCE COCK	-
	REDUCER	-
	MANHOLE	MH
	FLOW LINE	FL
	UNION	-
	RELIEF VALVE	-
	BALANCING VALVE	-
	PRESSURE GAUGE	-
	THERMOMETER	-

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MECHANICAL
STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101, Fresno, CA 93727
(559) 431-0101 | 24117 | FAX (559) 431-1362

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-7636 Office
(559) 627-1926 Fax

TITLE: SITE PLAN

SP1.1

PROJECT: 24043

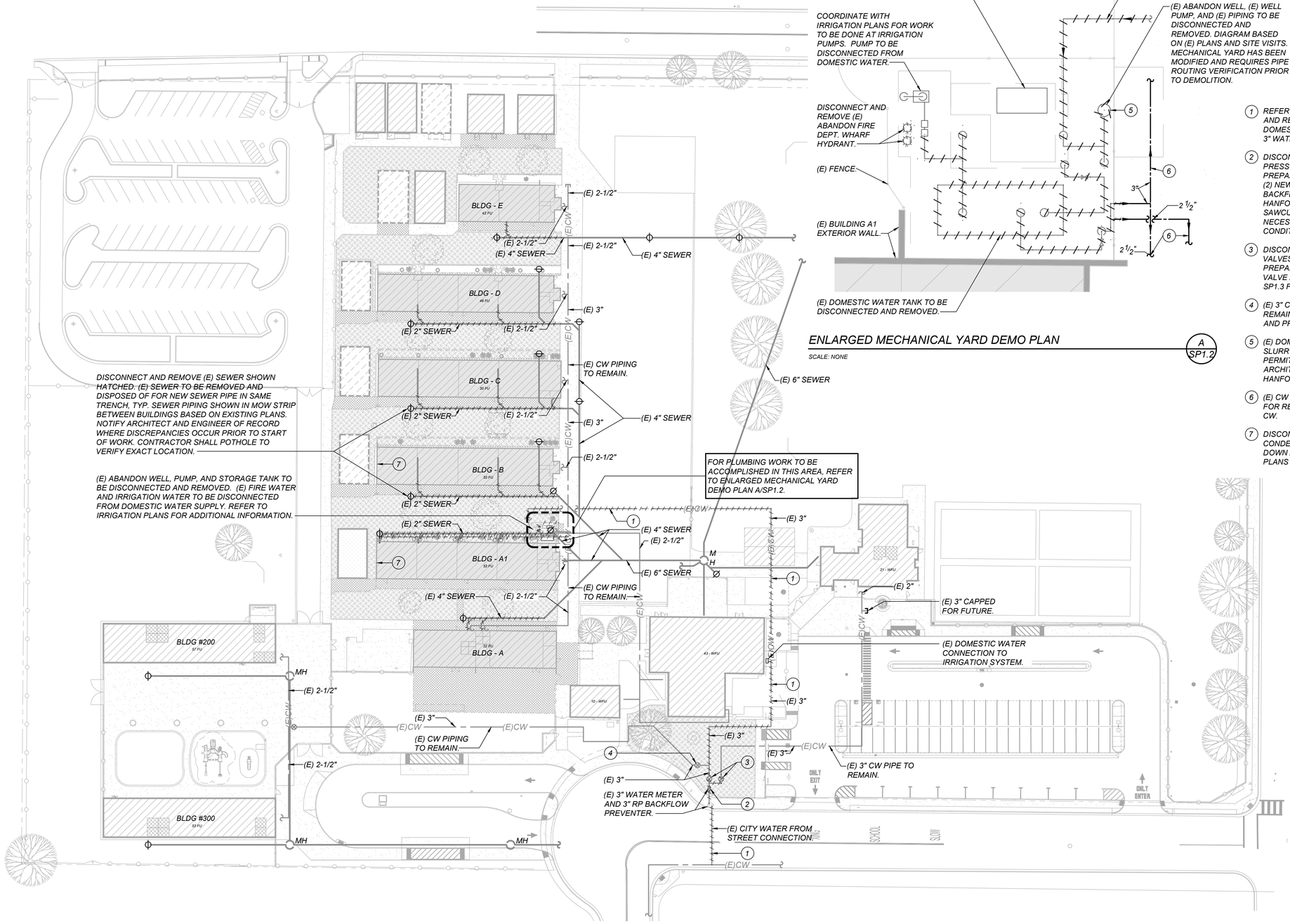
APPROVALS

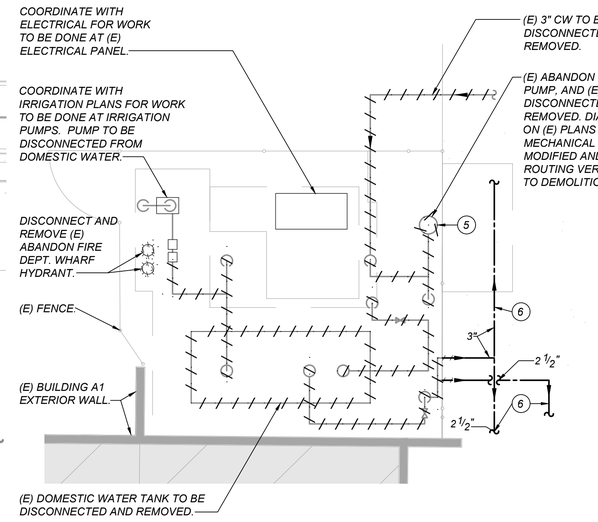
FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025





ENLARGED MECHANICAL YARD DEMO PLAN

SCALE: NONE

A SP1.2

1. REFER TO CIVIL PLANS FOR DISCONNECT AND REMOVAL / ABANDONMENT OF (E) 3" DOMESTIC COLD WATER SERVICE AND AND 3" WATER METER.
2. DISCONNECT AND REMOVE (E) 3" REDUCED PRESSURE BACKFLOW PREVENTER. PREPARE GROUND FOR INSTALLATION OF (2) NEW 4" REDUCED PRESSURE BACKFLOW PREVENTERS PER THE CITY OF HANFORD STANDARDS. CONTRACTOR TO SAWCUT AND PATCH BACK CONCRETE AS NECESSARY TO MATCH EXISTING CONDITIONS.
3. DISCONNECT AND REMOVE (2) EXISTING 3" VALVES AND 3" BRANCH CONNECTION. PREPARE (E) 3" BRANCH PIPE FOR NEW VALVE AND CONNECTION. SEE SHEET SP1.3 FOR NEW WORK.
4. (E) 3" CW VALVE AND 3" BRANCH PIPE TO REMAIN. DISCONNECT FROM 3" CW MAIN AND PREPARE FOR NEW CONNECTION.
5. (E) DOMESTIC WELL TO BE FILLED WITH SLURRY AND CAPPED. COORDINATE PERMIT AND SLURRY REQUIREMENTS WITH ARCHITECTURAL PLANS AND THE CITY OF HANFORD.
6. (E) CW PIPING TO REMAIN. PREPARE PIPING FOR RECONNECTION TO (N) 4" DOMESTIC CW.
7. DISCONNECT AND REMOVE (E) CONDENSATE DRAIN PIPING ROUTED DOWN AT EXTERIOR WALL. SEE ENLARGED PLANS FOR ADDITIONAL WORK

SITE PLAN - DOMESTIC COLD WATER AND SEWER - EXISTING & DEMOLITION

SCALE: 1" = 40'-0"

north

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

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(559) 627.1926 Fax

BRYAN W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

TITLE
SITE PLAN
DOMESTIC COLD
WATER AND SEWER
EXISTING & DEMO

SP1.2

PROJECT 24043

LAWRENCE ENGINEERING GROUP
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Fresno, CA 93727
FAX (559) 431-1362

24117

21 October 2025 3:43 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\SP1.2 SITE PLAN - EXISTING AND DEMO.dwg wayne

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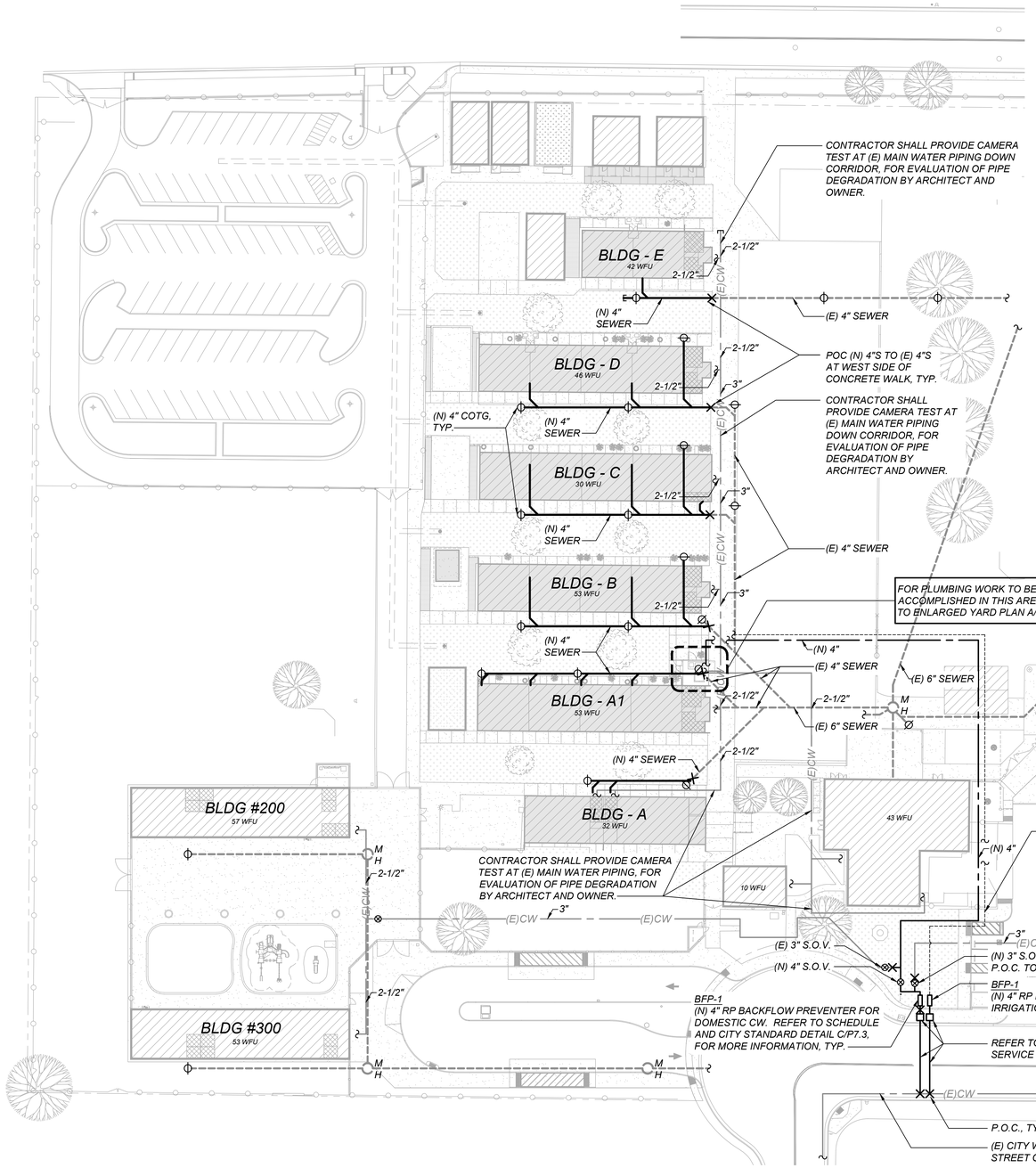

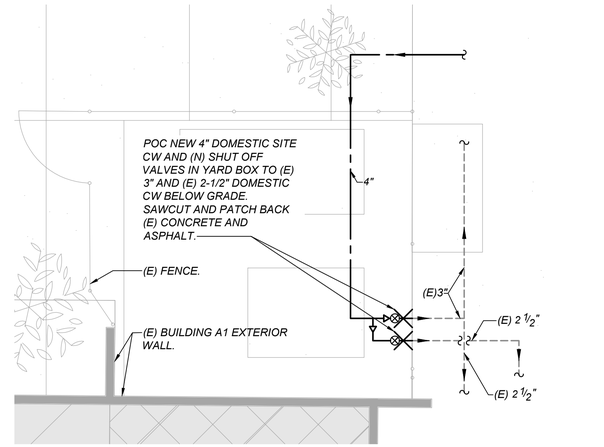

ENLARGED YARD PLAN — A/SP1.3

SCALE: NONE

SITE PLAN - DOMESTIC COLD WATER AND SEWER

SCALE: 1" = 40'-0"

north

REGISTERED PROFESSIONAL ENGINEER
RYAN W. CARLON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
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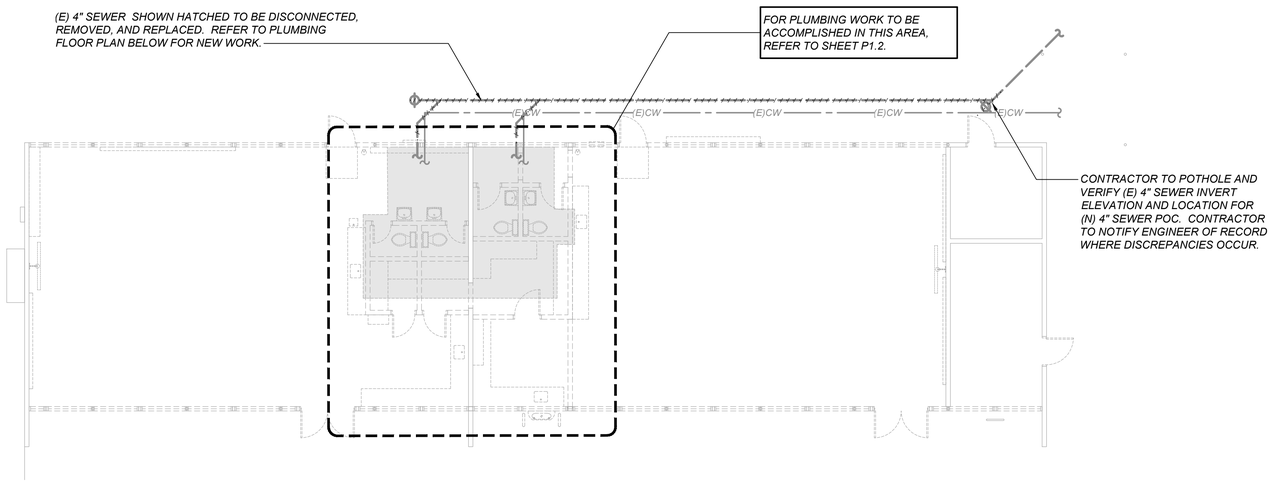
TITLE
SITE PLAN
DOMESTIC COLD
WATER
AND SEWER

SP1.3

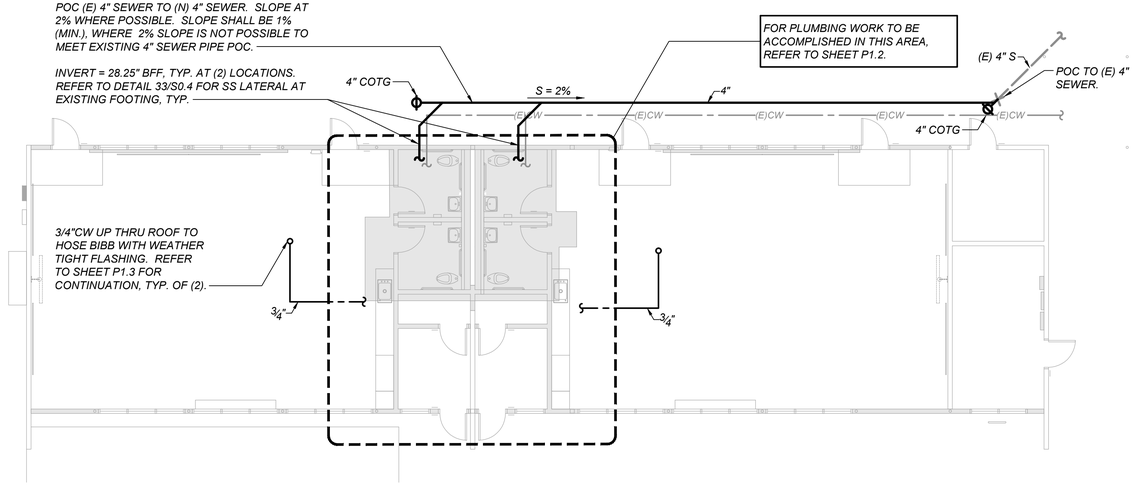
PROJECT 24043

21 October 2025 3:44 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\S P\SP1.3 SITE PLAN - NEW SITE WATER.dwg wayne



BUILDING A
PLUMBING DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"



BUILDING A
PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"

north

APPROVALS

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HANFORD, KINGS COUNTY, CA

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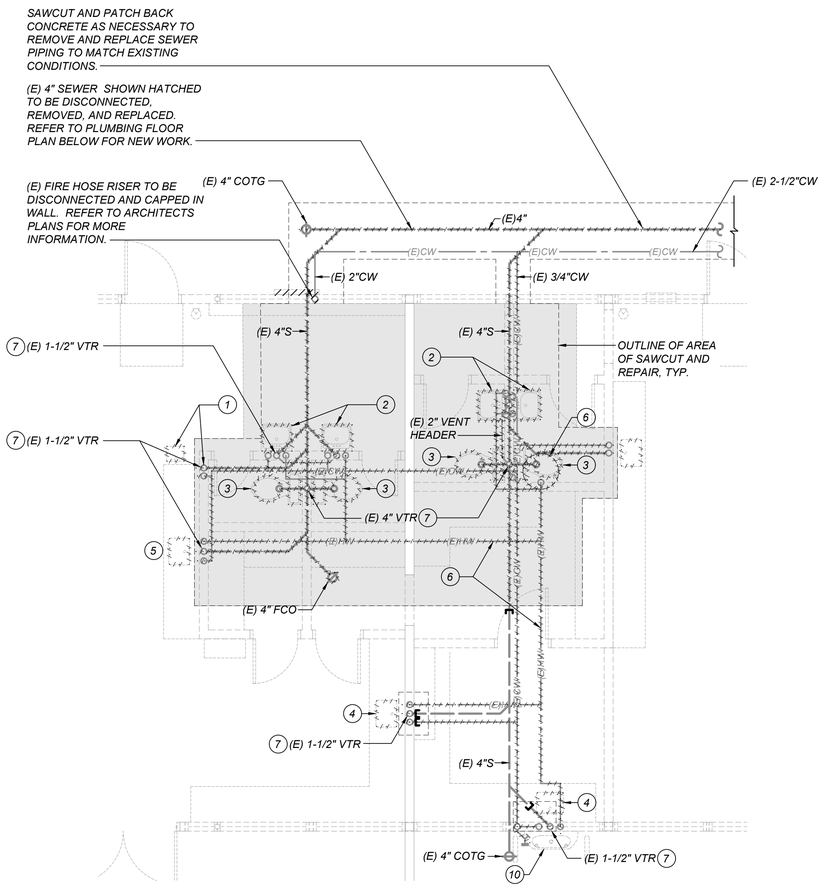
TITLE
BUILDING A
DEMO FLOOR PLAN
FLOOR PLAN

P1.1

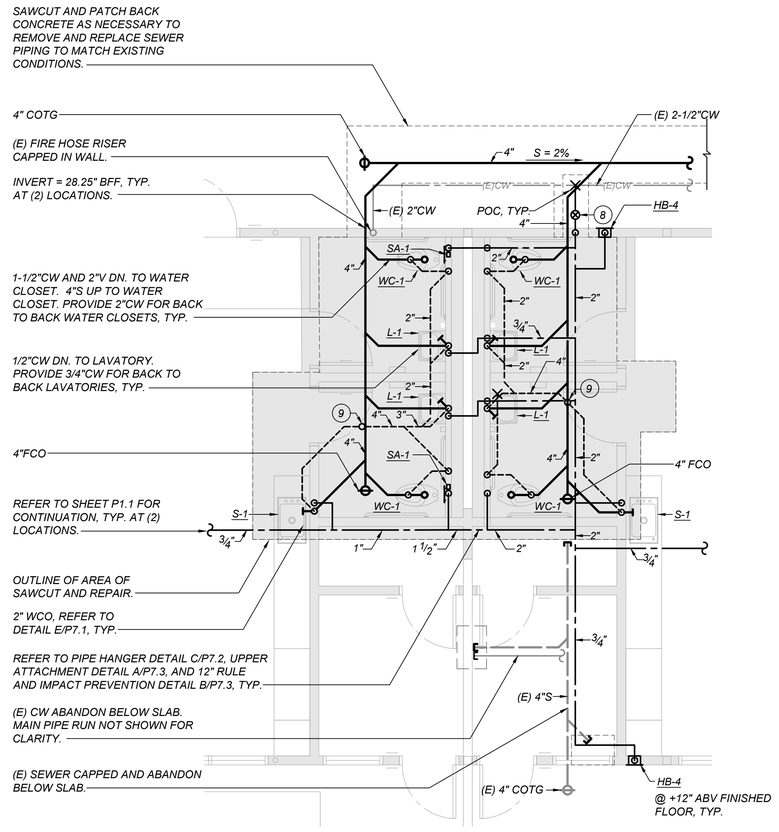
PROJECT 24043

24 October 2025 2:09 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\S P\P1.1 BUILDING A - DEMO FLOOR AND FLOOR PLAN.dwg wayne



BUILDING A
ENLARGED PLUMBING DEMOLITION FLOOR PLAN

SCALE: 1/4" = 1'-0"



BUILDING A
ENLARGED PLUMBING FLOOR PLAN

SCALE: 1/4" = 1'-0"

KEYNOTES: (THIS SHEET ONLY)

1. *DISCONNECT AND REMOVE (E) DRINKING FOUNTAIN, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING FOR NEW CONSTRUCTION.*
2. *DISCONNECT AND REMOVE (E) LAVATORIES, ALL ASSOCIATED CW, HW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING FOR NEW CONSTRUCTION.*
3. *DISCONNECT AND REMOVE (E) WATER CLOSETS, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING FOR NEW CONSTRUCTION.*
4. *DISCONNECT AND REMOVE (E) SINK, ALL ASSOCIATED CW, HW, VENT, AND SEWER PIPING IN WALL AND TO BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING IN FLOOR FOR NEW CONSTRUCTION. CAP SEWER BELOW FLOOR AND PATCH BACK CONCRETE TO MATCH EXISTING CONDITIONS.*
5. *DISCONNECT AND REMOVE (E) SINK, ALL ASSOCIATED CW, HW, VENT, AND SEWER PIPING IN WALL AND TO BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING IN FLOOR FOR NEW CONSTRUCTION.*
6. *(E) WATER HEATER ABOVE RESTROOM TO BE DISCONNECTED AND REMOVED. REMOVE ALL ASSOCIATED (E) HW PIPING. (ALL HW PIPING ROUTED OVERHEAD).*
7. *DISCONNECT AND REMOVE (E) VENTS THRU ROOF, TYPICAL. REFER TO ENLARGED PLUMBING FLOOR PLAN, THIS SHEET FOR NEW VTR SIZE AND LOCATION.*
8. *POC (N) 2"CW TO (E) 2-1/2"CW WITH SOV IN YARD BOX. ELBOW UP INTO WALL AND RISE TO ATTIC. REFER TO COLD WATER SHUT-OFF VALVE IN BOX DETAIL A/P7.1*
9. *(N) 4" VTR THROUGH HOLE IN ROOF AT (E) 4" VTR LOCATION THAT WAS PREVIOUSLY REMOVED.*
10. *DISCONNECT AND REMOVE (E) DRINKING FOUNTAIN, HOSE BIBB, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. COORDINATE WITH REMOVAL OF SINK AND PLUMBING PIPING AT INTERIOR WALL.*

GENERAL NOTES:

1. *EXISTING CW PIPING FOR THIS BUILDING IS ROUTED BELOW GRADE AND RISES UP TO FIXTURES. EXISTING CW PIPING TO BE ABANDON IN PLACE, (BELOW FLOOR), WHERE NOT SHOWN HATCHED. WHERE SHOWN HATCHED, OR AS REQUIRED FOR NEW CONSTRUCTION, (E) CW PIPING SHALL BE REMOVED. SAWCUT AREAS BOUNDRY SHOWN DASHED. ALL OVERHEAD PIPING SHOWN HATCHED SHALL BE REMOVED.*
2. *INFORMATION PROVIDED ON PLANS FOR EXISTING CONDITIONS ARE PROVIDED BASED ON EXISTING PLANS AND SITE VISITS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK. CONTRACTOR SHALL NOTIFY ARCHITECT AND ENGINEER OF RECORD WHERE DISCREPANCIES OCCUR.*

APPROVALS

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DATE: APRIL 16, 2025

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REGISTERED PROFESSIONAL ENGINEER
BRYAN W. CARLOCK
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

north

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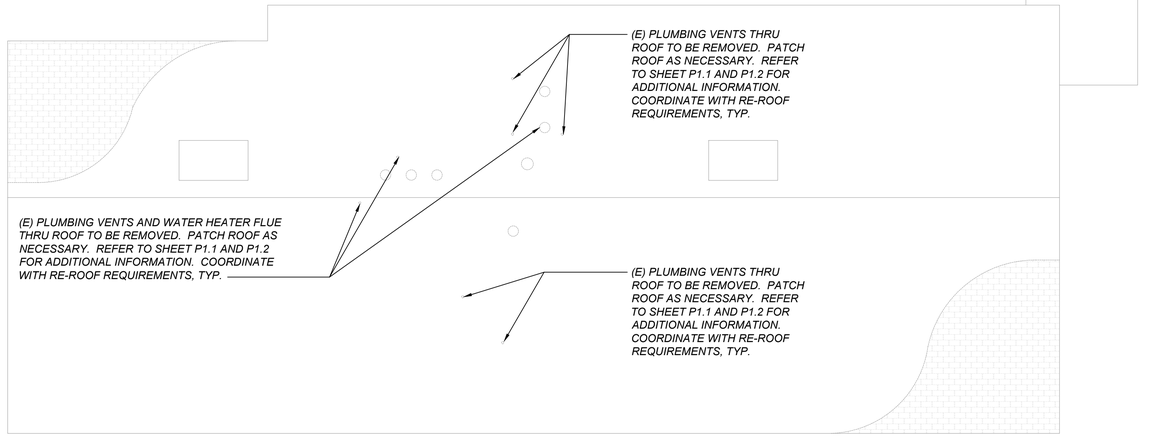
4910 E. Clinton Way, Suite 101
(559) 431-0101
Fresno, CA 93727
FAX (559) 431-1362

TITLE
BUILDING A
ENLARGED DEMO
FLOOR PLAN
ENLARGED FLOOR PLAN

P1.2

PROJECT 24043

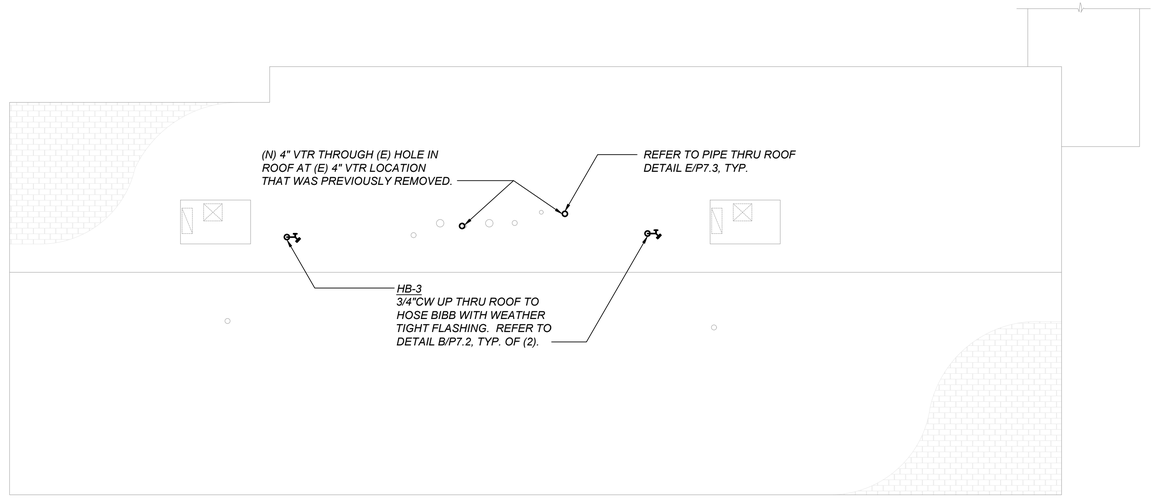
22 October 2025 11:50 AM wayne P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P1.2 BUILDING A - ENLARGED DEMO FLOOR AND ENLARGED FLOOR PLAN.dwg



BUILDING A

PLUMBING DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"



BUILDING A

PLUMBING ROOF PLAN

SCALE: 1/8" = 1'-0"

APPROVALS

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TITLE
BUILDING A
DEMO ROOF PLAN
ROOF PLAN

P1.3

PROJECT 24043

LICENSED PROFESSIONAL ENGINEER
BRYAN W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

north

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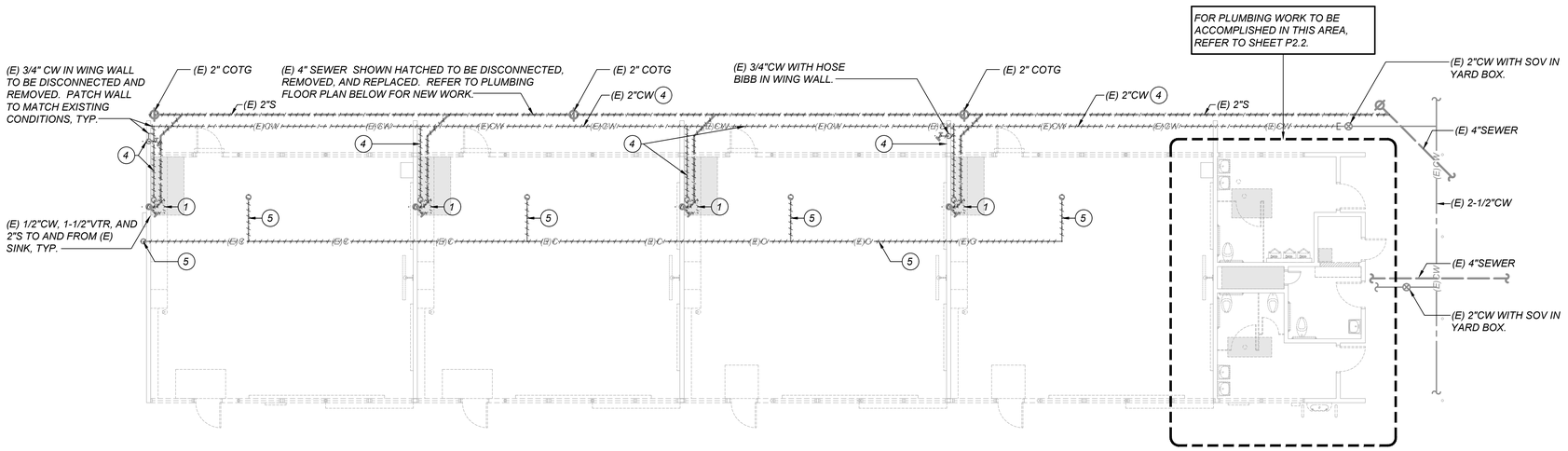
22 October 2025 11:50 AM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P1.3 BUILDING A - DEMO ROOF AND ROOF PLAN.dwg wayne

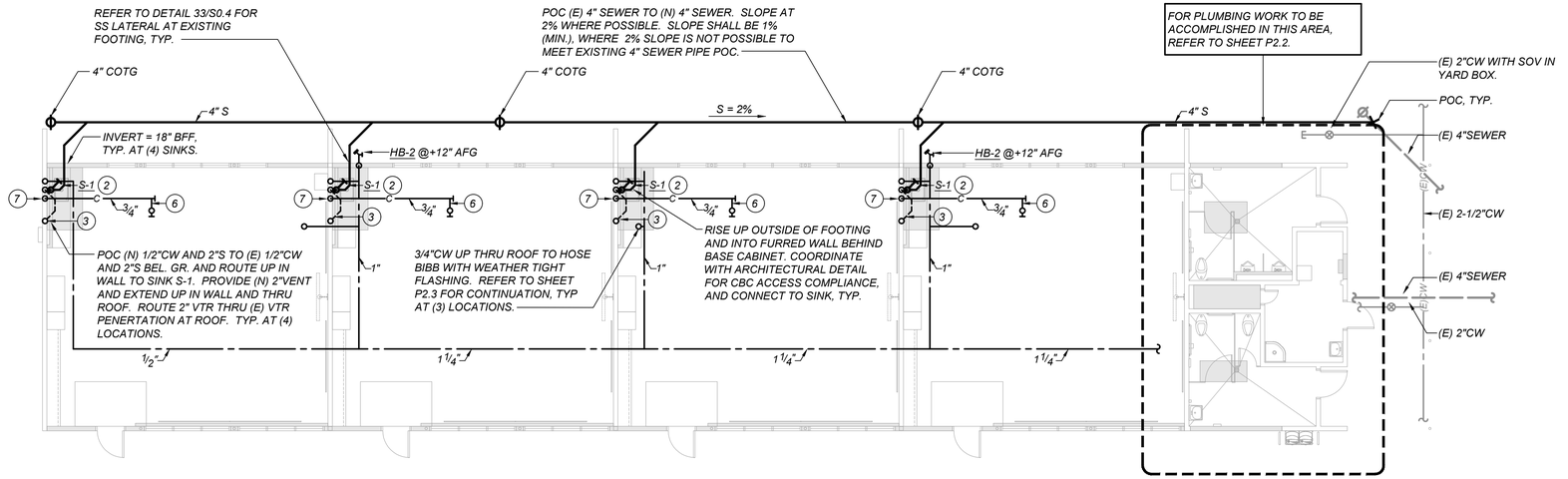


KEYNOTES: (THIS SHEET ONLY)

1. *DISCONNECT AND REMOVE (E) SINK, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING IN FLOOR FOR NEW CONSTRUCTION. CW PIPING ROUTED BELOW FLOOR, (BASED ON EXISTING PLANS).*
2. *(N) 1/2"CW DN IN WALL TO SINK. POC (N) 1-1/2"VR AND 2"S TO EXISTING VENT AND SEWER IN WALL. PROVIDE 2" WCO AT SINK, TYP. REFER TO PLUMBING FIXTURE SCHEDULE FOR INFORMATION.*
3. *PROVIDE (N) ROOF JACK COMPATIBLE WITH REROOF AND SLOPE. SEAL WATERTIGHT.*
4. *DISCONNECT AND REMOVE (E) EXTERIOR HOSE BIBBS. PATCH WALL AS NECESSARY TO MATCH EXISTING CONDITIONS. CAP AND ABANDON (E) ROTTED CW PIPING IN GROUND. DISCONNECT AND REMOVE (E) CW PIPING TO SINKS.*
5. *DISCONNECT AND COMPLETELY REMOVE (E) CONDENSATE DRAIN PIPING FROM HVAC UNIT TO TERMINATION POINT AT EXTERIOR WALL. SEE PLUMBING FLOOR PLAN THIS SHEET FOR NEW WORK.*
6. *NEW 3/4"CONDENSATE DRAIN PIPING DOWN THRU ROOF. SLOPE 1/8" PER FOOT TOWARDS TERMINATION POINT WITH CLEANOUT PLUG AT EACH CHANGE IN DIRECTION., TYP.*
7. *ROUTE DN. IN WALL AND TERMINATE TO TAILPIECE OF SINK. REFER TO CONDENSATE TERMINATION TO TAILPIECE DETAIL G/P7.3 TYP.*

BUILDING A1
PLUMBING DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"



BUILDING A1
PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"

north

APPROVALS

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LICENSED ARCHITECT — JAMES R. MORRELL — No. C-31128 — REN. 05-31-27 — STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
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(559) 627-1926 Fax

LICENSED PROFESSIONAL ENGINEER — BRIAN W. CARLSON — No. M34846 Exp. 6-30-26 — MECHANICAL — STATE OF CALIFORNIA

TITLE
BUILDING A1
DEMO FLOOR PLAN
FLOOR PLAN

P2.1

PROJECT 24043

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
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24117
Fresno, CA 93727
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22 October 2025 11:48 AM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P2.1 BUILDING A1 - DEMO FLOOR AND FLOOR PLAN.dwg wayne

APPROVALS

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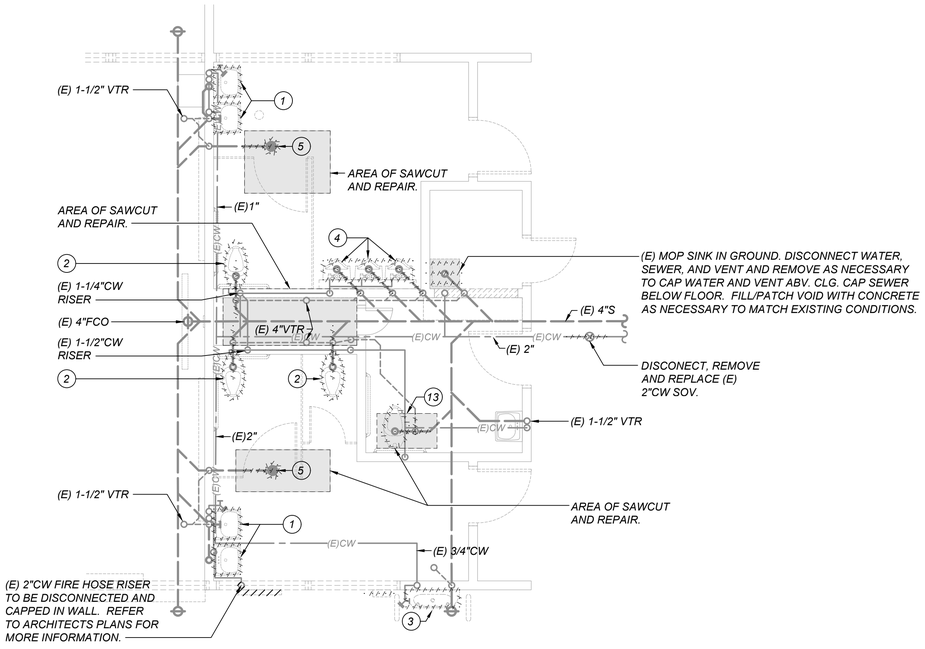
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

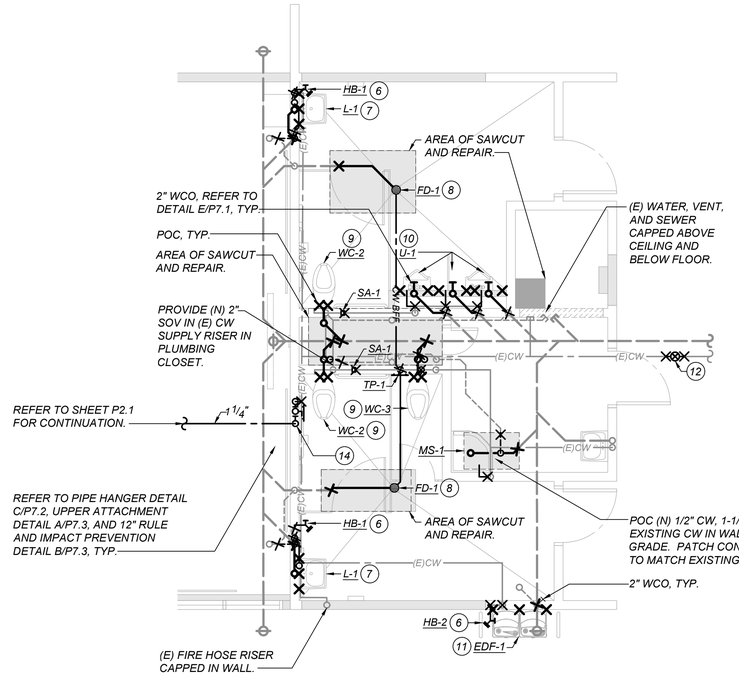
KEYNOTES: (THIS SHEET ONLY)

1. *DISCONNECT AND REMOVE (E) LAVATORIES, HOSE BIBB, AND ALL ASSOCIATED CW, HW (IF STILL REMAINING), VENT, AND SEWER PIPING IN WALL SHOWN HATCHED. ADJUST PLUMBING IN WALL AS NECESSARY FOR NEW PLUMBING ROUGH-IN.*
2. *DISCONNECT AND REMOVE (E) WALL MOUNTED WATER CLOSETS AND WALL CARRIERS, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING FOR NEW CONSTRUCTION. OFFSET PLUMBING AS NECESSARY FOR NEW PLUMBING ROUGH-IN.*
3. *DISCONNECT AND REMOVE (E) DRINKING FOUNTAIN, BOTTLE FILLER, HOSE BIBB, AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN/ON WALL AS SHOWN HATCHED AND ADJUST FOR NEW PLUMBING ROUGH-IN. PATCH WALL AS NECESSARY.*
4. *DISCONNECT AND REMOVE (E) WALL MOUNTED URINALS AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AS NECESSARY FOR NEW CONSTRUCTION. OFFSET PLUMBING AS NECESSARY FOR NEW PLUMBING ROUGH-IN.*
5. *DISCONNECT AND REMOVE (E) FLOOR DRAIN. DISCONNECT AND REMOVE (E) 1-1/2" VENT, TRAP PRIMER (IF EXIST.), AND 2" SEWER AS NECESSARY FOR NEW PLUMBING ROUGH-IN.*
6. *PROVIDE (N) HOSE BIBB AT 12" AFF. POC (N) 3/4"CW TO (E) 3/4"CW RISER.*
7. *OFFSET AND POC (N) 1/2"CW, 1-1/2"VR, AND 2"S TO (E) 1/2"CW RISER, 1-1/2"VR, AND 2"S IN WALL WITH (N) 2"WCO. PATCH BACK WALL AS NECESSARY TO MATCH EXISTING.*
8. *POC (N) 2"S TO (E) 2"S BEL. FLOOR. PROVIDE (N) 1-1/2"V BEL. FLOOR AND POC TO (E) VENT RISER AT WALL. PROVIDE (N) 1/2"CW BEL FLOOR TO TRAP PRIMER CONNECTION, TYP. REFER TO TRAP PRIMER CONNECTION DETAIL F/P7.1.*
9. *POC (N) 1"CW, 2"VR, AND 4"S TO (N) WALL MOUNTED WATER CLOSET WITH WALL CARRIER. REFER TO PLUMBING SCHEDULE FOR MORE INFORMATION. REFER TO DETAIL G/P7.1 FOR WATER CLOSET MOUNTING DETAIL, TYP.*
10. *POC (N) 3/4"CW, 1-1/2"VR AND 2"S TO (E) 3/4"CW, 1-1/2" VENT, AND 2" SEWER IN WALL. PROVIDE (N) 2"WCO, TYP.*
11. *POC (N) 3/4"CW, 1-1/2"VR, AND 2"S WITH WCO. PROVIDE 3/4"CW TO HOSE BIBB AT 12" AFG, AND TEE 1/2"CW TO DRINKING FOUNTAIN.*
12. *REMOVE AND REPLACE (E) 2"CW SOV WITH (N) 2" CW SOV IN YARD BOX. VERIFY EXACT LOCATION IN FIELD. INFORMATION BASED ON EXISTING PLANS. REFER TO COLD WATER SHUTOFF VALVE IN BOX DETAIL A/P7.1.*
13. *DISCONNECT AND REMOVE (E) FLOOR MOUNTED WATER CLOSET, CLOSET RING, TRAP, SEWER, AND VENT AS NECESSARY TO RECONFIGURE FOR NEW 3" SEWER AND 2" VENT BEL. GR. DISCONNECT WATER AT WALL AND ADJUST FOR NEW PLUMBING FIXTURE.*
14. *POC (N) 1-1/4"CW TO (E) 2" CW. ELBOW 1-1/4"CW DN. IN WALL WITH SOV AT 5'-0" AFF . PROVIDE LOCKING ACCESS PANEL. ELBOW UP TO ABOVE CEILING AND ROUTE AS SHOWN.*



BUILDING A1
ENLARGED PLUMBING DEMOLITION FLOOR PLAN

SCALE: 1/4" = 1'-0"



BUILDING A1
ENLARGED PLUMBING FLOOR PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. *EXISTING CW PIPING FOR THIS BUILDING IS ROUTED BELOW GRADE INTO BUILDING AND RISES UP IN THE PLUMBING CLOSET.*
2. *INFORMATION PROVIDED ON PLANS FOR EXISTING CONDITIONS ARE PROVIDED BASED ON EXISTING PLANS AND SITE VISITS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK. CONTRACTOR SHALL NOTIFY ARCHITECT AND ENGINEER OF RECORD WHERE DISCREPANCIES OCCUR.*

north

REGISTERED PROFESSIONAL ENGINEER
BRYAN W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
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MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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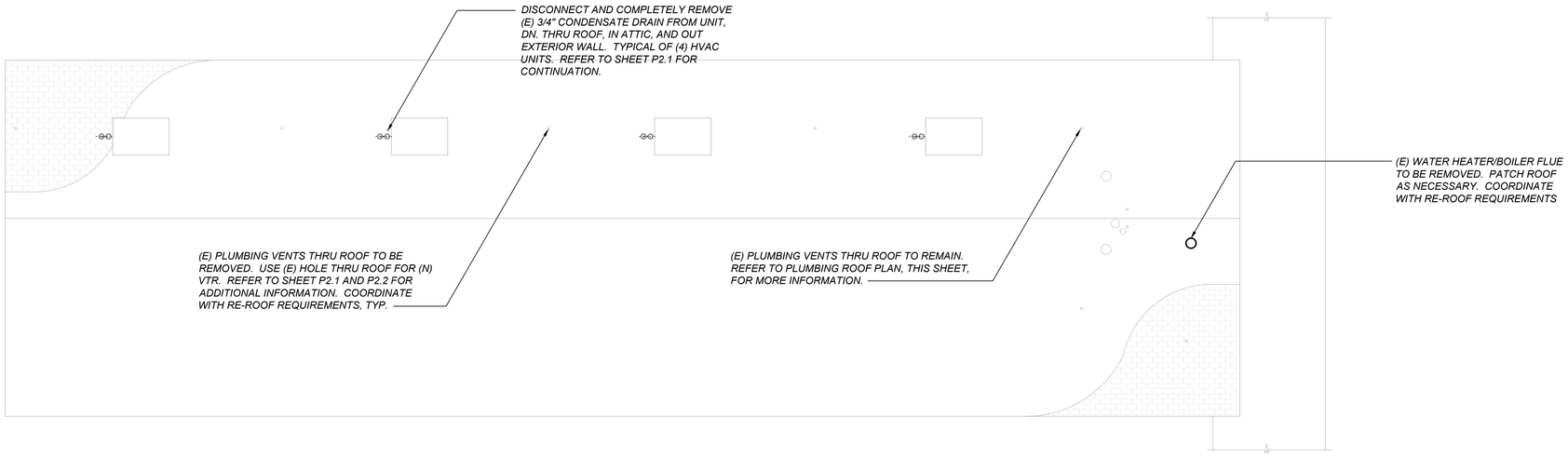
TITLE
BUILDING A1
ENLARGED DEMO FLOOR PLAN
ENLARGED FLOOR PLAN

P2.2

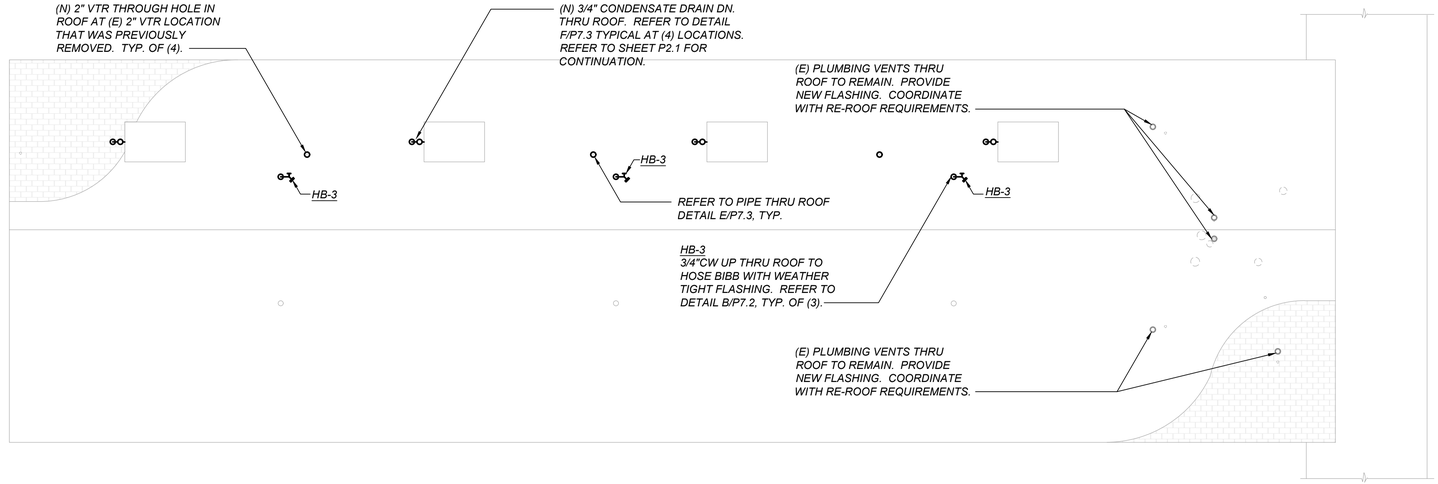
PROJECT 24043

22 October 2025 11:59 AM wayne
P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P2.2 BUILDING A1 - ENLARGED DEMO FLOOR AND ENLARGED FLOOR PLAN.dwg



BUILDING A1
PLUMBING DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"



BUILDING A1
PLUMBING ROOF PLAN

SCALE: 1/8" = 1'-0"

north

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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TITLE
BUILDING A1
DEMO ROOF PLAN
ROOF PLAN

P2.3

PROJECT 24043

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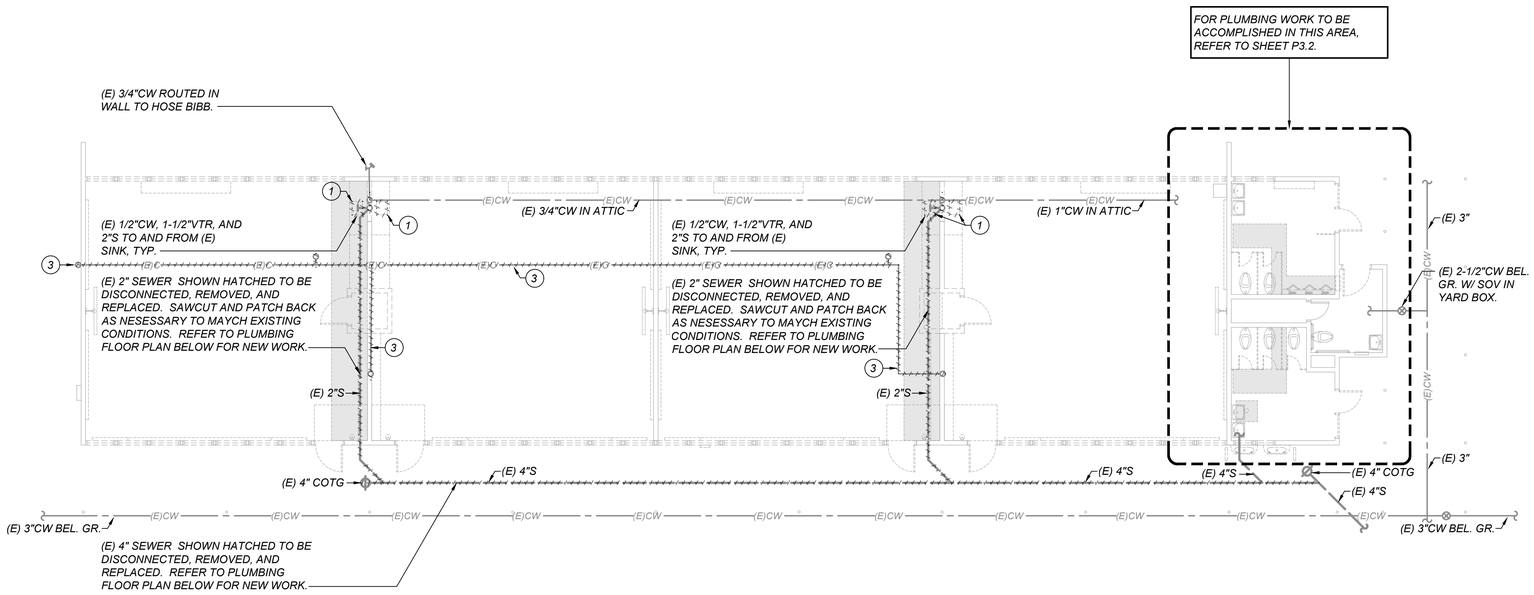
24117

22 October 2025 11:59 AM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P2.3 BUILDING A1 - DEMO ROOF AND ROOF PLAN.dwg wayne

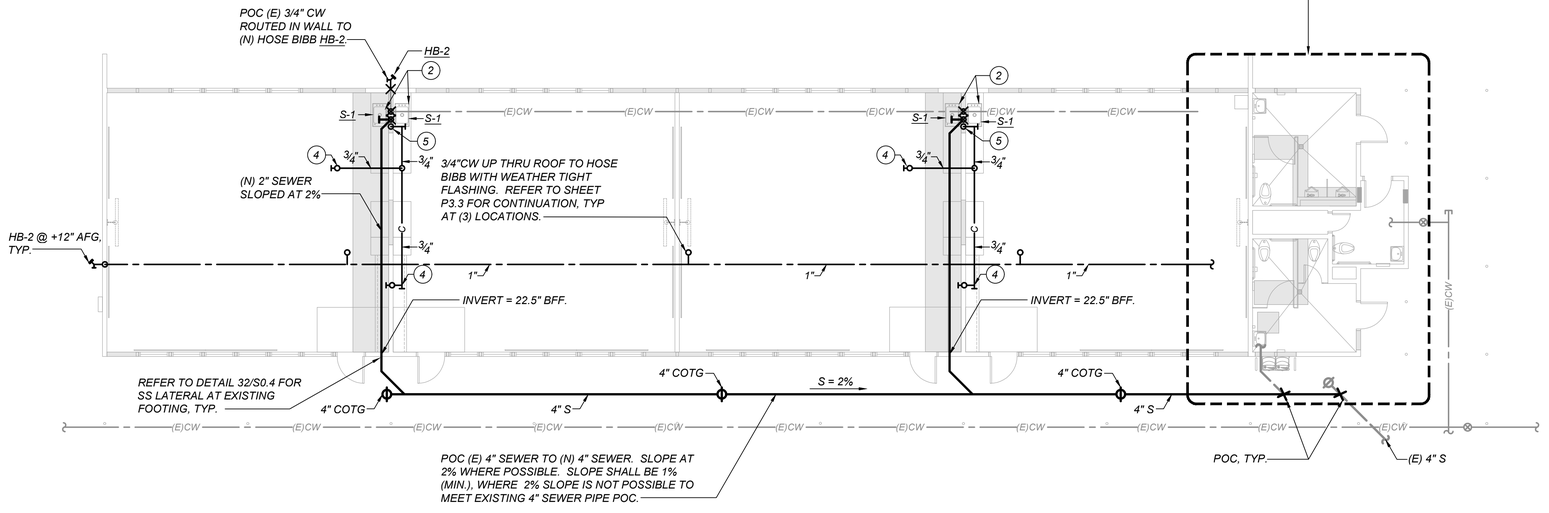


BUILDING B
PLUMBING DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"

KEYNOTES: (THIS SHEET ONLY)

1. *DISCONNECT AND REMOVE (E) SINK, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL (AS SHOWN HATCHED), AS NECESSARY FOR NEW CONSTRUCTION. ADJUST (E) PLUMBING IN WALL FOR (N) PLUMBING ROUGH-IN.*
2. *POC (N) 1/2"CW, 1-1/2"VR, AND 2"S TO (E) 1/2"CW, 1-1/2"VR, AND 2"S IN WALL. OFFSET AND ADJUST AS NECESSARY. PROVIDE (N) 2" WCO AT SINK, TYP. REFER TO PLUMBING FIXTURE SCHEDULE FOR INFORMATION.*
3. *DISCONNECT AND COMPLETELY REMOVE (E) CONDENSATE DRAIN PIPING FROM HVAC UNIT TO TERMINATION POINT AT EXTERIOR WALL. SEE PLUMBING FLOOR PLAN THIS SHEET FOR NEW WORK.*
4. *NEW 3/4"CONDENSATE DRAIN PIPING DOWN THRU ROOF. SLOPE 1/8" PER FOOT TOWARDS TERMINATION POINT WITH CLEANOUT PLUG AT EACH CHANGE IN DIRECTION., TYP.*
5. *ROUTE DN. IN WALL AND TERMINATE TO TAILPIECE OF SINK. REFER TO CONDENSATE TERMINATION TO TAILPIECE DETAIL G/P7.3 TYP.*



BUILDING B
PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"

north

APPROVALS

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STATE OF CALIFORNIA

TITLE
BUILDING B
DEMO FLOOR PLAN
FLOOR PLAN

P3.1

PROJECT 24043

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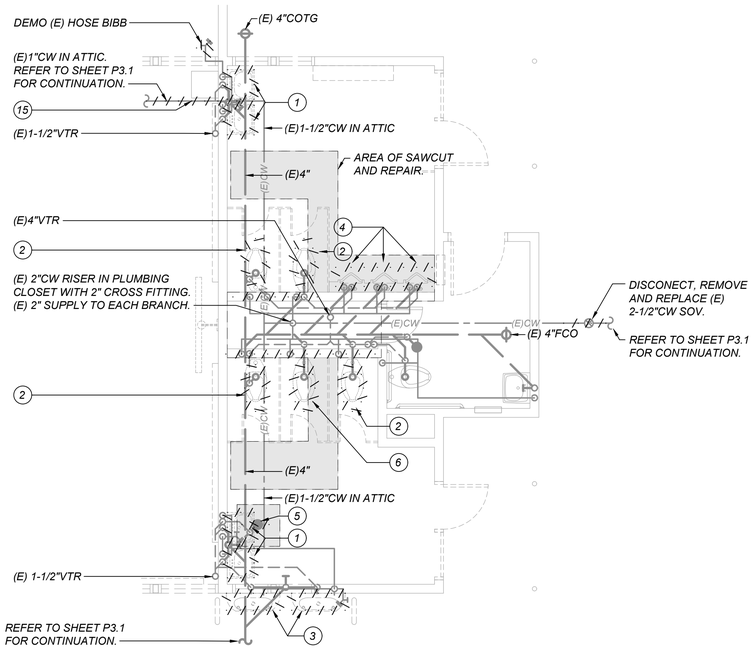
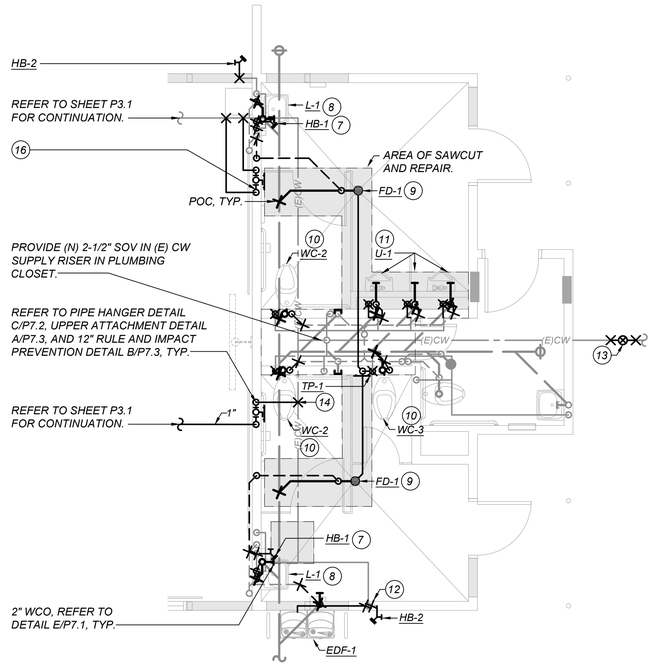
22 October 2025 11:48 AM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P3.1 BUILDING B - DEMO FLOOR AND FLOOR PLAN.dwg wayne



BUILDING B
ENLARGED PLUMBING DEMOLITION FLOOR PLAN

SCALE: 1/4" = 1'-0"



BUILDING B
ENLARGED PLUMBING FLOOR PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. *EXISTING CW PIPING FOR THIS BUILDING IS ROUTED BELOW GRADE INTO BUILDING AND RISES UP IN THE PLUMBING CLOSET.*
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KEYNOTES: *(THIS SHEET ONLY)*

1. *DISCONNECT AND REMOVE (E) LAVATORIES, HOSE BIBB, AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL SHOWN HATCHED. ADJUST PLUMBING IN WALL AS NECESSARY FOR NEW PLUMBING ROUGH-IN.*
2. *DISCONNECT AND REMOVE (E) WALL MOUNTED WATER CLOSETS AND WALL CARRIERS, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING FOR NEW CONSTRUCTION. OFFSET PLUMBING AS NECESSARY FOR NEW PLUMBING ROUGH-IN.*
3. *DISCONNECT AND REMOVE (E) DRINKING FOUNTAINS, HOSE BIBB, AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN/ON WALL AS SHOWN HATCHED AND ADJUST FOR NEW PLUMBING ROUGH-IN. PATCH WALL AS NECESSARY.*
4. *DISCONNECT AND REMOVE (E) FLOOR MOUNTED URINALS AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING FOR NEW CONSTRUCTION. OFFSET PLUMBING AS NECESSARY FOR NEW PLUMBING ROUGH-IN. PATCH FLOOR AS NECESSARY TO MATCH EXISTING.*
5. *DISCONNECT AND REMOVE (E) FLOOR DRAIN. DISCONNECT AND REMOVE (E) 1-1/2" VENT, TRAP PRIMER (IF EXIST.), AND 2" SEWER AS NECESSARY FOR NEW PLUMBING ROUGH-IN.*
6. *DISCONNECT AND REMOVE (E) WALL MOUNTED WATER CLOSET AND WALL CARRIER, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING. CAP BEHIND FINISHED SURFACES. PATCH FLOOR AS NECESSARY.*
7. *PROVIDE (N) HOSE BIBB AT 12" AFF. POC (N) 3/4"CW TO (E) 3/4"CW RISER.*
8. *OFFSET AND POC (N) 1/2"CW, 1-1/2"VR, AND 2"S TO (E) 1/2"CW RISER, 1-1/2"VR, AND 2"S IN WALL WITH (N) 2"WCO. PATCH BACK WALL AS NECESSARY TO MATCH EXISTING.*
9. *POC (N) 2"S TO (E) 4"S BEL. FLOOR. PROVIDE (N) 1-1/2"V BEL. FLOOR AND POC TO (E) VENT RISER AT WALL. PROVIDE (N) 1/2"CW BEL FLOOR TO TRAP PRIMER CONNECTION, TYP. REFER TO TRAP PRIMER CONNECTION DETAIL F/P7.1.*
10. *POC (N) 1"CW, 2"VR, AND 4"S TO (N) WALL MOUNTED WATER CLOSET WITH WALL CARRIER. REFER TO PLUMBING SCHEDULE FOR MORE INFORMATION. REFER TO DETAIL G/P7.1 FOR WATER CLOSET MOUNTING DETAIL, TYP.*
11. *POC (N) 1"CW, 1-1/2"VR AND 2"S TO (E) 3/4"CW, 1-1/2" VENT, AND 2" SEWER IN WALL. PROVIDE (N) 2"WCO, TYP.*
12. *POC (N) 3/4"CW, 1-1/2"VR, AND 2"S WITH WCO. PROVIDE 3/4"CW TO HOSE BIBB AT 12" AFG, AND TEE 1/2"CW TO DRINKING FOUNTAIN.*
13. *REMOVE AND REPLACE (E) 2-1/2"CW SOV WITH (N) 2-1/2" CW SOV IN YARD BOX. VERIFY EXACT LOCATION IN FIELD. INFORMATION BASED ON EXISTING PLANS. REFER TO COLD WATER SHUTOFF VALVE IN BOX DETAIL A/P7.1.*
14. *POC (N) 1"CW TO (E) 1-1/2" CW. ELBOW 1"CW DN. IN WALL WITH SOV AT 5'-0" AFF. PROVIDE LOCKING ACCESS PANEL. ELBOW UP TO ABOVE CEILING AND ROUTE AS SHOWN.*
15. *DISCONNECT 1"CW SUPPLY TO CLASSROOM SINKS TO PROVIDE FOR NEW SOV.*
16. *POC (N) 1"CW TO (E) 1" CW. ELBOW 1"CW DN. IN WALL WITH SOV AT 5'-0" AFF . PROVIDE LOCKING ACCESS PANEL. ELBOW UP TO ABOVE CEILING AND POC TO (E) 1"CW.*

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
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Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING B
ENLARGED DEMO
FLOOR PLAN
ENLARGED FLOOR PLAN

P3.2

PROJECT 24043

north

REGISTERED PROFESSIONAL ENGINEER
BRIAN W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

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4910 E. Clinton Way, Suite 101
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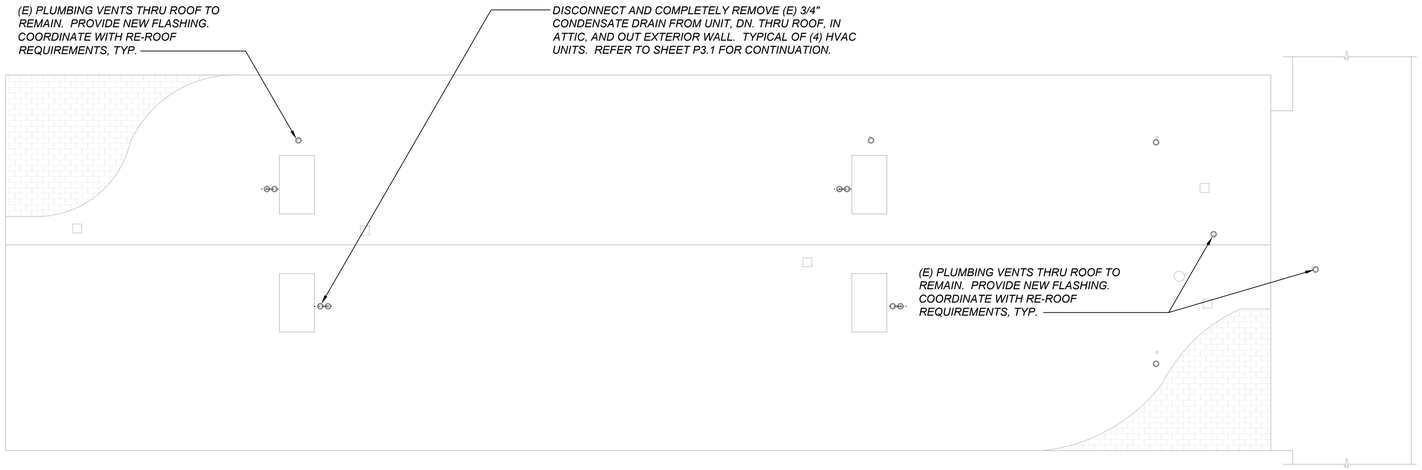
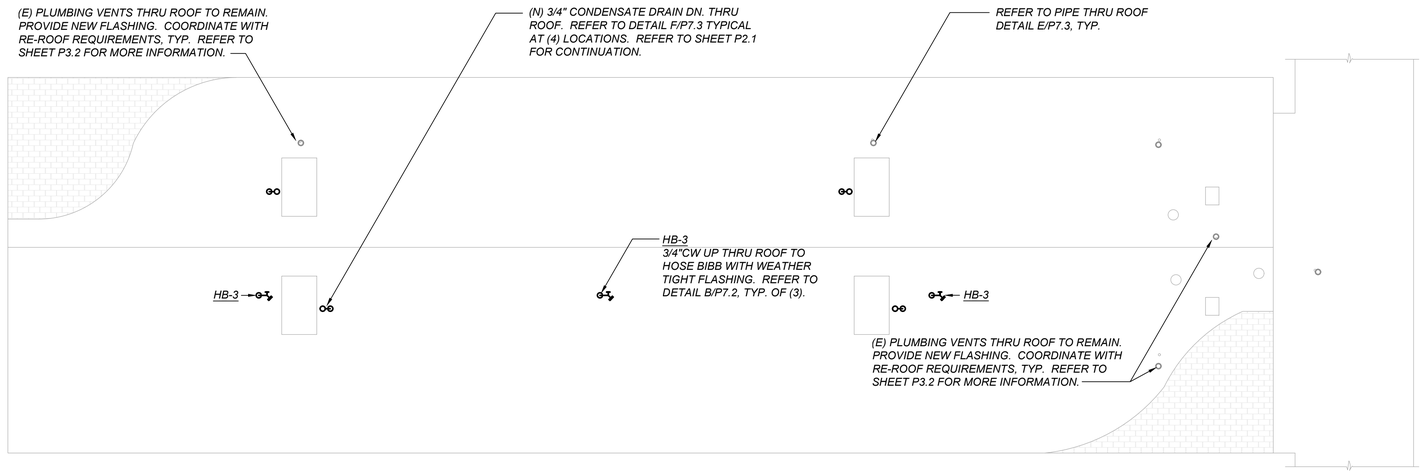
22 October 2025 12:00 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P3.2 BUILDING B - ENLARGED DEMO FLOOR AND ENLARGED FLOOR PLAN.dwg wayne



BUILDING B
PLUMBING DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"



BUILDING B
PLUMBING ROOF PLAN

SCALE: 1/8" = 1'-0"

north

APPROVALS

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TITLE
BUILDING B
DEMO ROOF PLAN
ROOF PLAN

P3.3

PROJECT 24043

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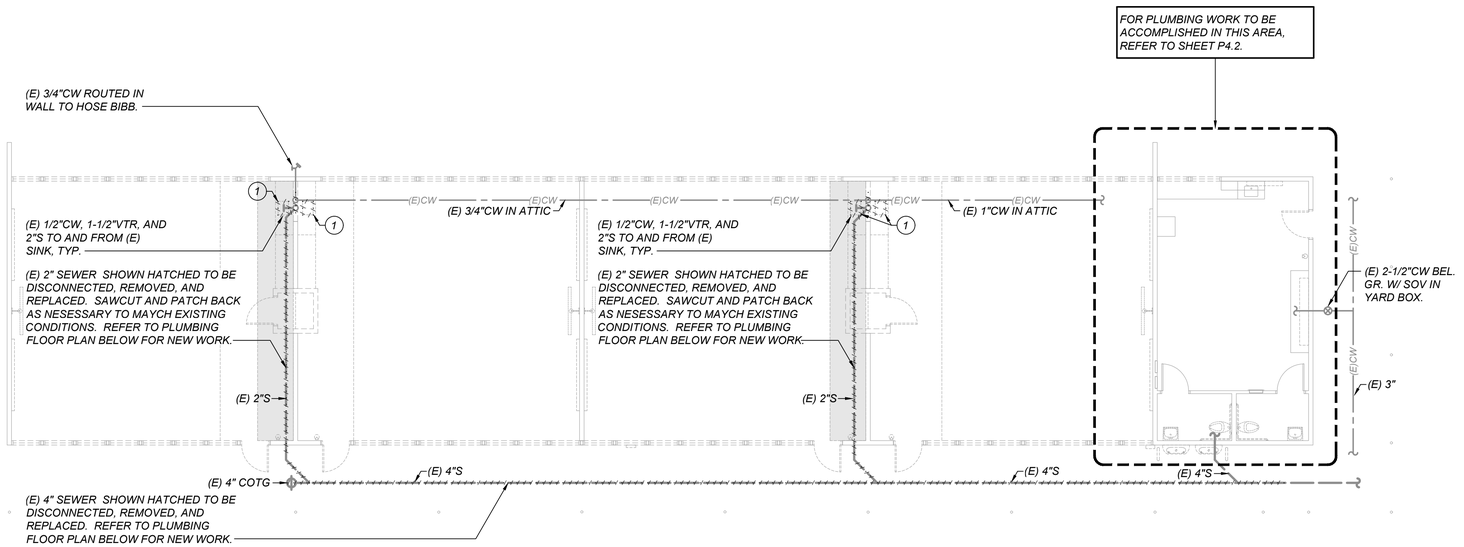
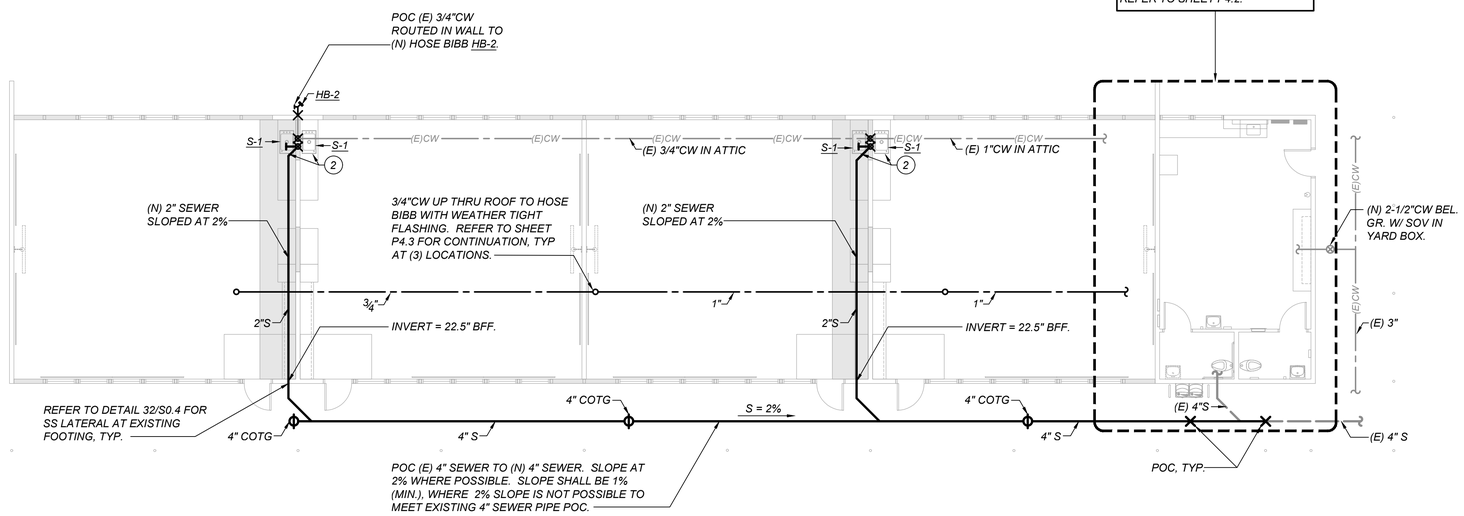


BUILDING C
PLUMBING DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"



BUILDING C
PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"

north

KEYNOTES: (THIS SHEET ONLY)

1. *DISCONNECT AND REMOVE (E) SINK, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL (AS SHOWN HATCHED), AS NECESSARY FOR NEW CONSTRUCTION. ADJUST (E) PLUMBING IN WALL FOR (N) PLUMBING ROUGH-IN.*
2. *POC (N) 1/2"CW, 1-1/2"VR, AND 2"S TO (E) 1/2"CW, 1-1/2"VR, AND 2"S IN WALL. OFFSET AND ADJUST AS NECESSARY. PROVIDE (N) 2" WCO AT SINK, TYP. REFER TO PLUMBING FIXTURE SCHEDULE FOR INFORMATION.*

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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TITLE
BUILDING C
DEMO FLOOR PLAN
FLOOR PLAN

P4.1

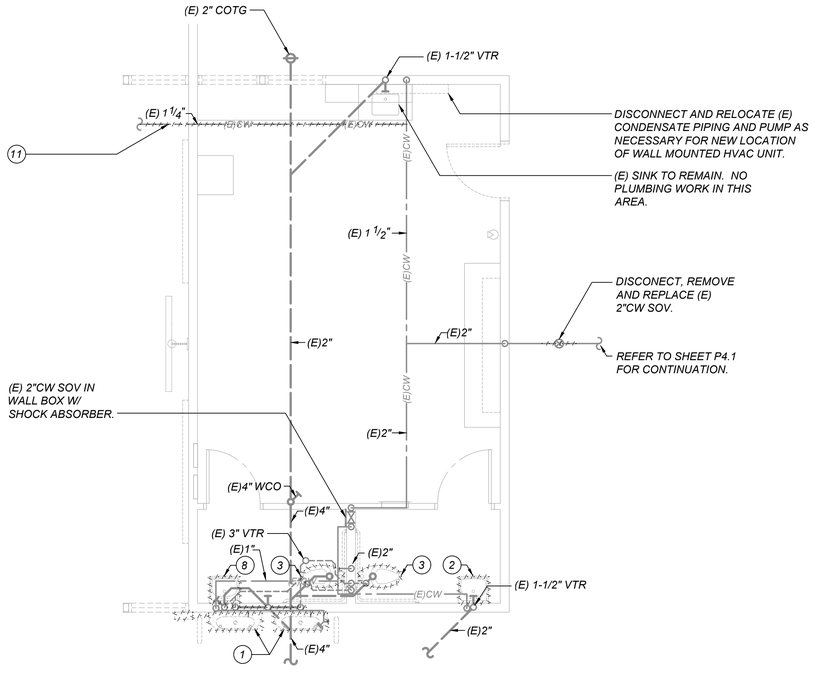
PROJECT 24043

22 October 2025 11:48 AM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P4.1 BUILDING C - DEMO FLOOR AND FLOOR PLAN.dwg wayne

22 October 2025 12:01 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P4.2 BUILDING C - ENLARGED DEMO FLOOR AND ENLARGED FLOOR PLAN.dwg wayne

GENERAL NOTES:

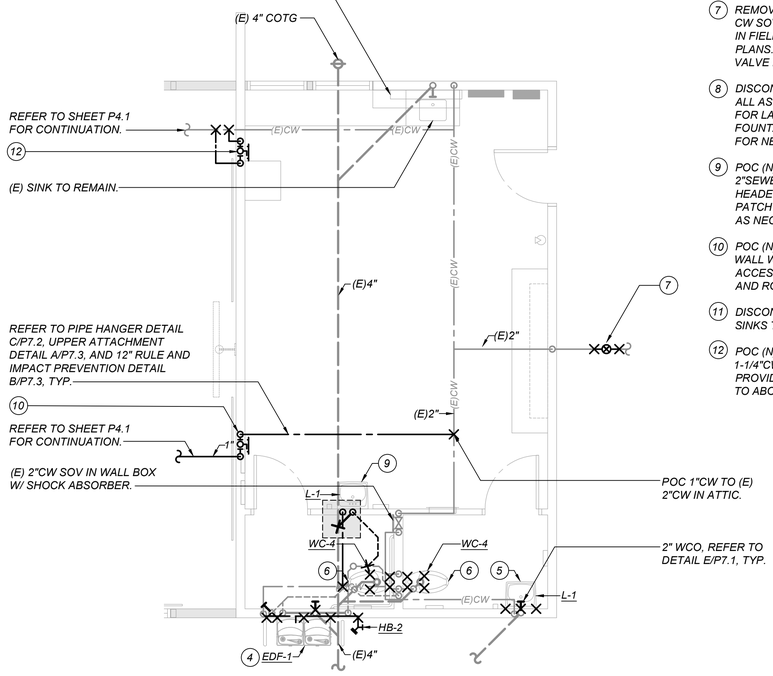
1. *EXISTING CW PIPING FOR THIS BUILDING IS ROUTED UP AT EXTERIOR WALL TO ABV. CEILING.*
2. *INFORMATION PROVIDED ON PLANS FOR EXISTING CONDITIONS ARE PROVIDED BASED ON EXISTING PLANS AND SITE VISITS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK. CONTRACTOR SHALL NOTIFY ARCHITECT AND ENGINEER OF RECORD WHERE DISCREPANCIES OCCUR.*



BUILDING C
ENLARGED PLUMBING DEMOLITION FLOOR PLAN

SCALE: 1/4" = 1'-0"

REPLACE AND RECONNECT (E) CONDENSATE PIPING AS NECESSARY FOR HVAC UNIT RELOCATION. (HVAC UNIT SHIFTS TO THE LEFT SLIGHTLY TO ACCOMODATE ELECTRICAL PANELS.



BUILDING C
ENLARGED PLUMBING FLOOR PLAN

SCALE: 1/4" = 1'-0"

KEYNOTES: (THIS SHEET ONLY)

1. *DISCONNECT AND REMOVE (E) DRINKING FOUNTAINS, BOTTLE FILLER, HOSE BIBB, AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN/ON WALL AS SHOWN HATCHED AND ADJUST FOR NEW PLUMBING ROUGH-IN.*
2. *DISCONNECT AND REMOVE (E) LAVATORY AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN/ON WALL AS SHOWN HATCHED AND ADJUST FOR NEW PLUMBING ROUGH-IN.*
3. *DISCONNECT AND REMOVE (E) FLOOR MOUNT FLUSH VALVE WATER CLOSET AND ASSOCIATED CW. ADJUST AS NECESSARY FOR NEW PLUMBING ROUGH.*
4. *POC (N) 3/4"CW, 1-1/2"VR, AND 2"S WITH WCO. PROVIDE 3/4"CW DN IN WALL TO HOSE BIBB AT 12" AFG. TEE 1/2"CW TO DRINKING FOUNTAIN. PATCH WALL AS NECESSARY.*
5. *POC (N) LAVATORY, 1/2"CW, 1-1/2"VENT, 2"S, AND 2" WCO IN WALL. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.*
6. *POC (N) FLOOR MOUNTED WATER CLOSET, 1-1/2"CW, 2"VENT, AND 4"S TO (E) 1-1/2"CW, 2"V, AND 4"S. PATCH AS NECESSARY.*
7. *REMOVE AND REPLACE (E) 2"CW SOV WITH (N) 2" CW SOV IN YARD BOX. VERIFY EXACT LOCATION IN FIELD. INFORMATION BASED ON EXISTING PLANS. REFER TO COLD WATER SHUTOFF VALVE IN BOX DETAIL A/P7.1.*
8. *DISCONNECT AND REMOVE (E) LAVATORY AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING FOR LAVATORY AND OUTDOOR DRINKING FOUNTAIN. ADJUST (E) PIPING AS NECESSARY FOR NEW OUTDOOR DRINKING FOUNTAIN.*
9. *POC (N) LAVATORY, 1/2"CW, 1-1/2"VENT, 2"SEWER AND 2"WCO TO (E) 1"CW, (E) 2"VENT HEADER, AND (E) 4" SEWER. SAWCUT AND PATCH BACK TO MATCH EXISTING CONDITIONS AS NECESSARY FOR SEWER CONNECTION.*
10. *POC (N) 1"CW TO (E) 2" CW. ELBOW 1"CW DN. IN WALL WITH SOV AT 5'-0" AFF . PROVIDE LOCKING ACCESS PANEL. ELBOW UP TO ABOVE CEILING AND ROUTE AS SHOWN.*
11. *DISCONNECT 1"CW SUPPLY TO CLASSROOM SINKS TO PROVIDE FOR NEW SOV.*
12. *POC (N) 1-1/4"CW TO (E) 1-1/4" CW. ELBOW 1-1/4"CW DN. IN WALL WITH SOV AT 5'-0" AFF . PROVIDE LOCKING ACCESS PANEL. ELBOW UP TO ABOVE CEILING AND POC TO (E) 1-1/4"CW.*

north

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
BUILDING C
ENLARGED DEMO
FLOOR PLAN
ENLARGED FLOOR PLAN

P4.2

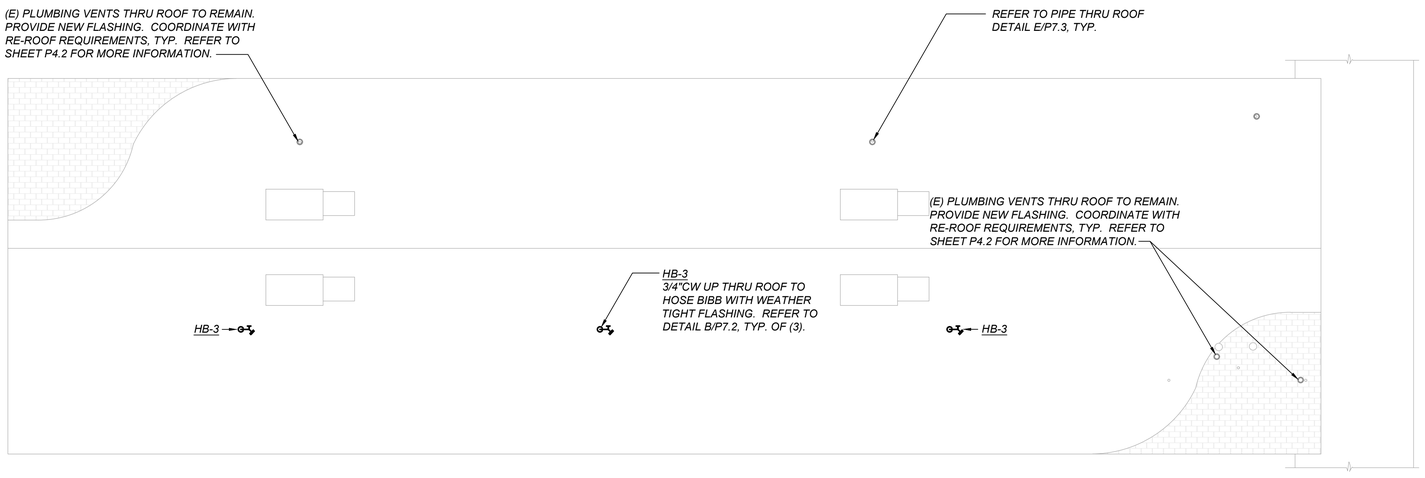
PROJECT 24043

LICENSED PROFESSIONAL ENGINEER
BRYAN W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
(559) 431-0101
24117
Fresno, CA 93727
FAX (559) 431-1362

BUILDING C
PLUMBING DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"



BUILDING C
PLUMBING ROOF PLAN

SCALE: 1/8" = 1'-0"

north

APPROVALS

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ROOF PLAN

P4.3

PROJECT 24043

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MECHANICAL
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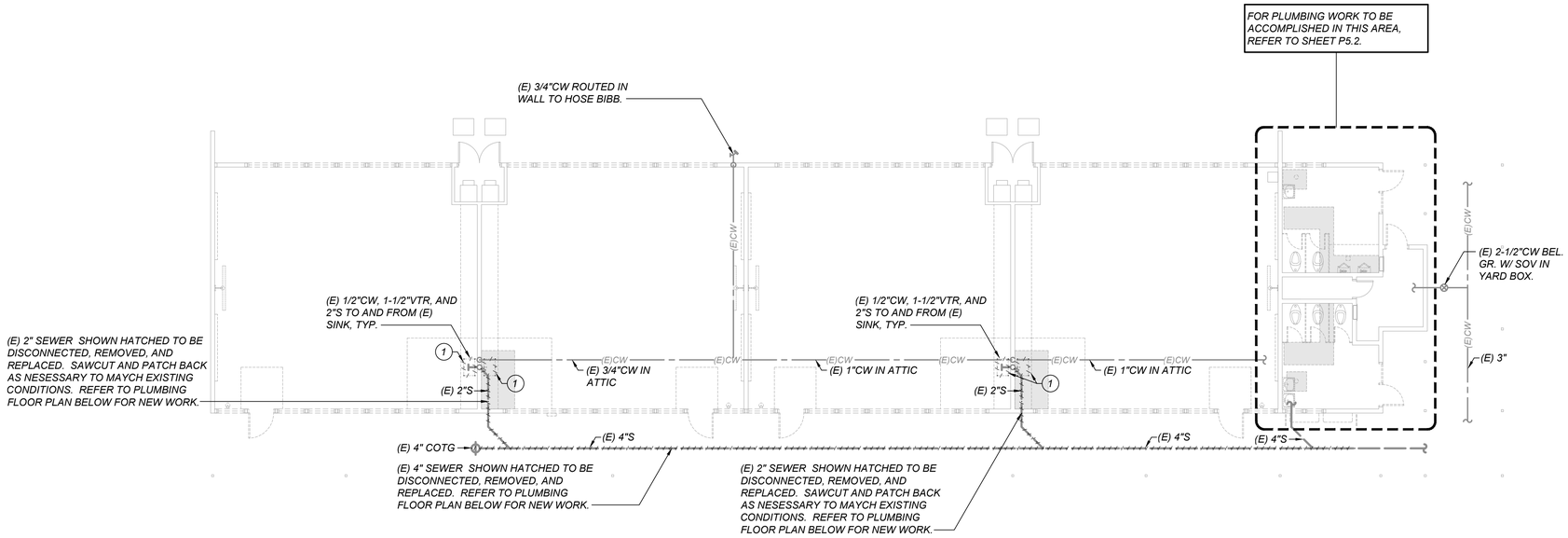
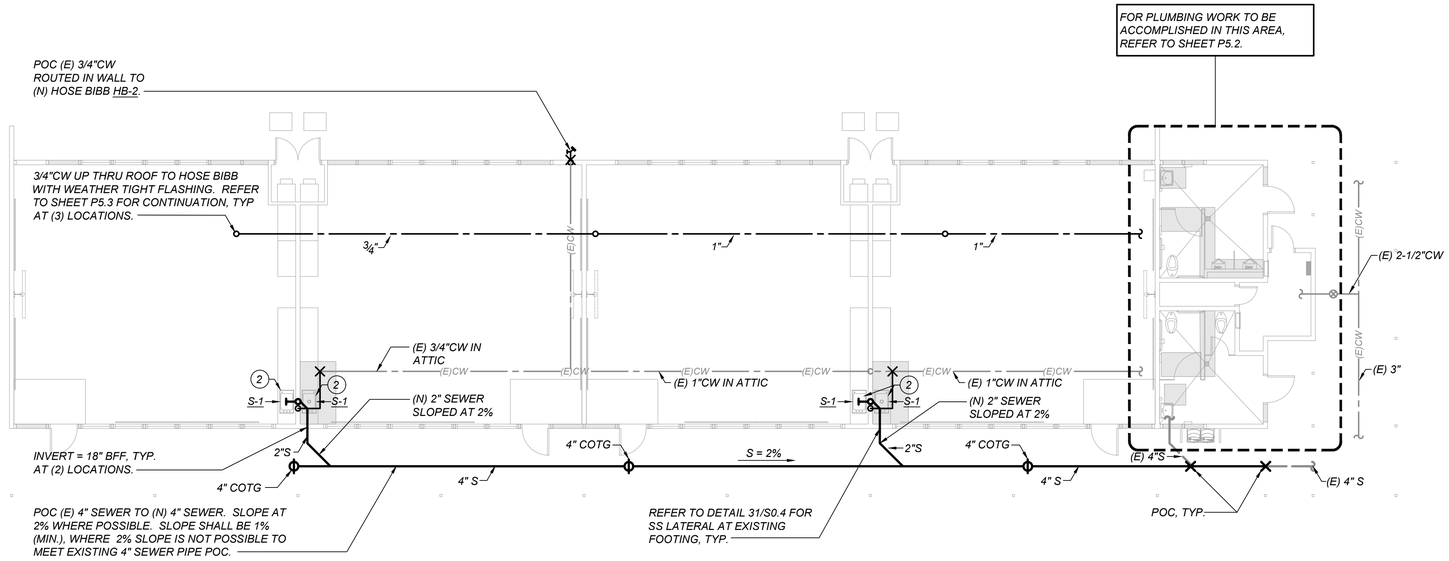
22 October 2025 12:02 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P4.3 BUILDING C - DEMO ROOF AND ROOF PLAN.dwg wayne



BUILDING D

PLUMBING DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"



BUILDING D

PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"

north

KEYNOTES: (THIS SHEET ONLY)

1. *DISCONNECT AND REMOVE (E) SINK, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL (AS SHOWN HATCHED), AS NECESSARY FOR NEW CONSTRUCTION. ADJUST (E) PLUMBING IN WALL AND ATTIC FOR (N) PLUMBING ROUGH-IN.*
2. *POC (N) 1/2"CW IN ATTIC. POC (N) 1-1/2"VR, AND 2"S TO (E) 1-1/2"VR, AND 2"S IN WALL. OFFSET AND ADJUST AS NECESSARY IN WALL. PROVIDE (N) 2" WCO AT SINK, TYP. REFER TO PLUMBING FIXTURE SCHEDULE FOR INFORMATION.*

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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APP: 02-123247 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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TITLE
BUILDING D
DEMO FLOOR PLAN
FLOOR PLAN

P5.1

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
RYAN W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
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Fresno, CA 93727
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22 October 2025 11:47 AM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P5.1 BUILDING D - DEMO FLOOR AND FLOOR PLAN.dwg wayne

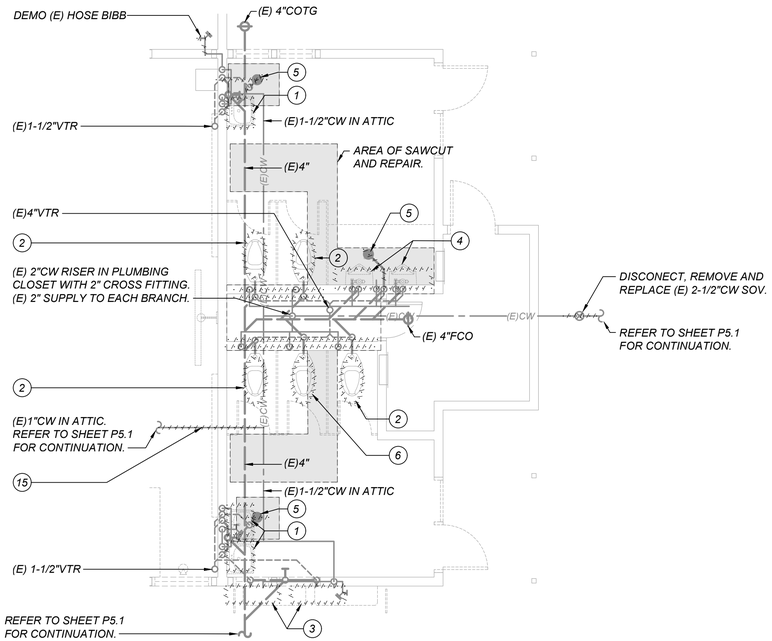
P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P5.1 BUILDING D - DEMO FLOOR AND FLOOR PLAN.dwg Oct 22 2025 11:47am

APPROVALS
FILE # 16-14 APPLICATION # 02-123247
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

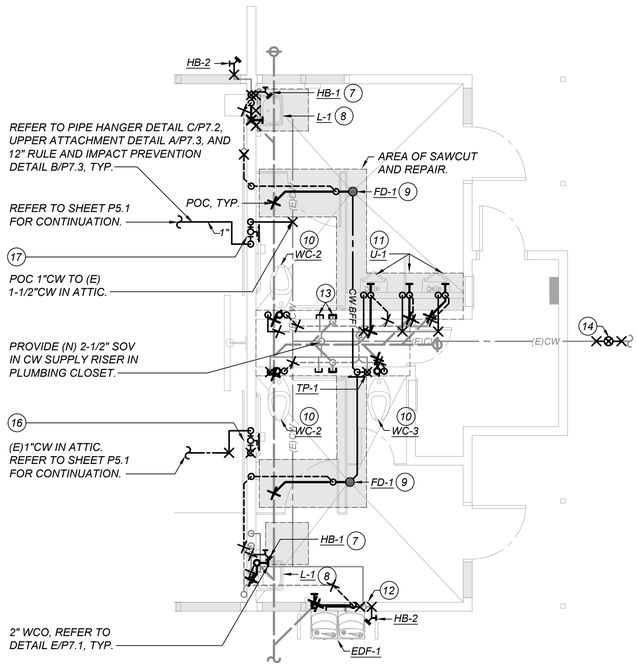
DATE: APRIL 16, 2025

GENERAL NOTES:

1. *EXISTING CW PIPING FOR THIS BUILDING IS ROUTED BELOW GRADE INTO BUILDING AND RISES UP IN THE PLUMBING CLOSET.*
2. *INFORMATION PROVIDED ON PLANS FOR EXISTING CONDITIONS ARE PROVIDED BASED ON EXISTING PLANS AND SITE VISITS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK. CONTRACTOR SHALL NOTIFY ARCHITECT AND ENGINEER OF RECORD WHERE DISCREPANCIES OCCUR.*



BUILDING D
ENLARGED PLUMBING DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"



BUILDING D
ENLARGED PLUMBING FLOOR PLAN
SCALE: 1/4" = 1'-0"

KEYNOTES: *(THIS SHEET ONLY)*

1. *DISCONNECT AND REMOVE (E) LAVATORIES, HOSE BIBB, AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL SHOWN HATCHED. ADJUST PLUMBING IN WALL AS NECESSARY FOR NEW PLUMBING ROUGH-IN.*
2. *DISCONNECT AND REMOVE (E) WALL MOUNTED WATER CLOSETS AND WALL CARRIERS, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING FOR NEW CONSTRUCTION. OFFSET PLUMBING AS NECESSARY FOR NEW PLUMBING ROUGH-IN.*
3. *DISCONNECT AND REMOVE (E) DRINKING FOUNTAINS, HOSE BIBB, AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN/ON WALL AS SHOWN HATCHED AND ADJUST FOR NEW PLUMBING ROUGH-IN. PATCH WALL AS NECESSARY.*
4. *DISCONNECT AND REMOVE (E) FLOOR MOUNTED URINALS AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING FOR NEW CONSTRUCTION. OFFSET PLUMBING AS NECESSARY FOR NEW PLUMBING ROUGH-IN. PATCH FLOOR AS NECESSARY TO MATCH EXISTING.*
5. *DISCONNECT AND REMOVE (E) FLOOR DRAIN. DISCONNECT AND REMOVE (E) 1-1/2" VENT, TRAP PRIMER (IF EXIST.), AND 2" SEWER AS NECESSARY FOR NEW PLUMBING ROUGH-IN.*
6. *DISCONNECT AND REMOVE (E) WALL MOUNTED WATER CLOSET AND WALL CARRIER, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING. CAP BEHIND FINISHED SURFACES. PATCH FLOOR AS NECESSARY.*
7. *PROVIDE (N) HOSE BIBB AT 12" AFF. POC (N) 3/4"CW TO (E) 3/4"CW RISER.*
8. *OFFSET AND POC (N) 1/2"CW, 1-1/2"VR, AND 2"S TO (E) 1/2"CW RISER, 1-1/2"VR, AND 2"S IN WALL WITH (N) 2"WCO. PATCH BACK WALL AS NECESSARY TO MATCH EXISTING.*
9. *POC (N) 2"S TO (E) 4"S BEL. FLOOR. PROVIDE (N) 1-1/2"V BEL. FLOOR AND POC TO (E) VENT RISER AT WALL. PROVIDE (N) 1/2"CW BEL FLOOR TO TRAP PRIMER CONNECTION, TYP. REFER TO TRAP PRIMER CONNECTION DETAIL F/P7.1.*
10. *POC (N) 1"CW, 2"VR, AND 4"S TO (N) WALL MOUNTED WATER CLOSET WITH WALL CARRIER. REFER TO PLUMBING SCHEDULE FOR MORE INFORMATION. REFER TO DETAIL G/P7.1 FOR WATER CLOSET MOUNTING DETAIL, TYP.*
11. *POC (N) 1"CW, 1-1/2"VR AND 2"S TO (E) 3/4"CW, 1-1/2" VENT, AND 2" SEWER IN WALL. PROVIDE (N) 2"WCO, TYP.*
12. *POC (N) 3/4"CW, 1-1/2"VR, AND 2"S WITH WCO. PROVIDE 3/4"CW TO HOSE BIBB AT 12" AFG, AND TEE 1/2"CW TO DRINKING FOUNTAIN.*
13. *CAP BEHIND FINISHED SURFACES. TYP. AT (2) LOCATIONS.*
14. *REMOVE AND REPLACE (E) 2-1/2"CW SOV WITH (N) 2-1/2" CW SOV IN YARD BOX. VERIFY EXACT LOCATION IN FIELD. INFORMATION BASED ON EXISTING PLANS. REFER TO COLD WATER SHUTOFF VALVE IN BOX DETAIL A/P7.1.*
15. *DISCONNECT 1"CW SUPPLY TO CLASSROOM SINKS TO PROVIDE FOR NEW SOV.*
16. *POC (N) 1"CW TO (E) 1" CW. ELBOW 1"CW DN. IN WALL WITH SOV AT 5'-0" AFF. PROVIDE LOCKING ACCESS PANEL. ELBOW UP TO ABOVE CEILING AND POC TO (E) 1"CW.*
17. *ELBOW 1"CW DN. IN WALL WITH SOV AT 5'-0" AFF. PROVIDE LOCKING ACCESS PANEL. ELBOW UP TO ABOVE CEILING AND ROUTE AS SHOWN.*

north

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101 Fresno, CA 93727
(559) 431-0101 24117 FAX (559) 431-1362

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
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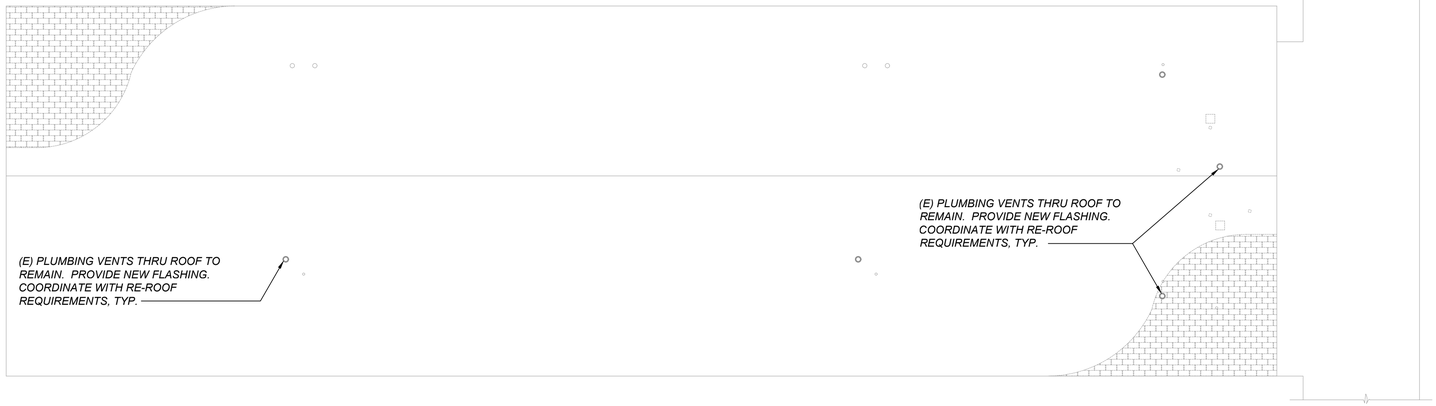
TITLE
BUILDING D
ENLARGED DEMO FLOOR PLAN
ENLARGED FLOOR PLAN

P5.2

PROJECT 24043

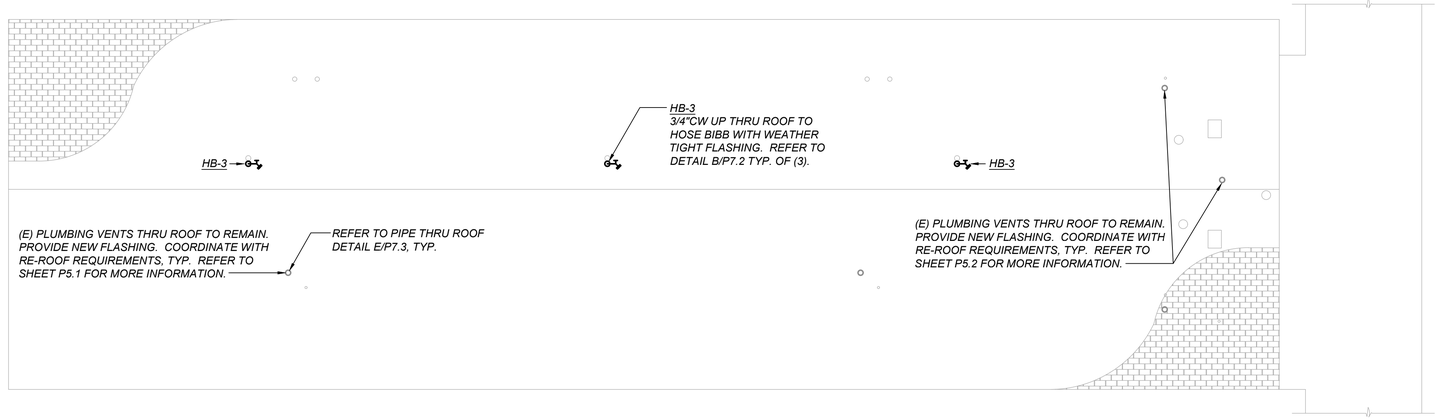
22 October, 2025 12:02 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P5.2 BUILDING D - ENLARGED DEMO FLOOR AND ENLARGED FLOOR PLAN.dwg wayne



BUILDING D

PLUMBING DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"



BUILDING D

PLUMBING ROOF PLAN

SCALE: 1/8" = 1'-0"

north

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
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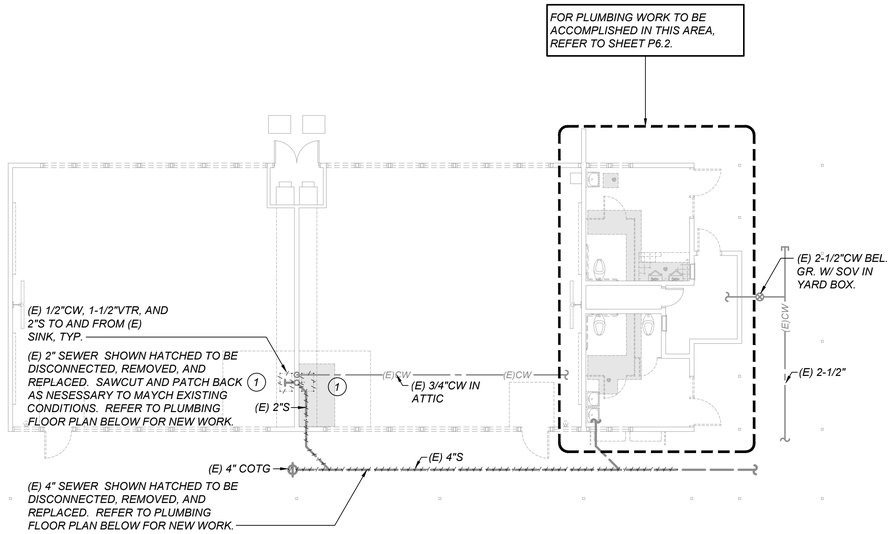
TITLE
BUILDING D
DEMO ROOF PLAN
ROOF PLAN

P5.3

PROJECT 24043

22 October 2025 12:03 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P5.3 BUILDING D - DEMO ROOF AND ROOF PLAN.dwg wayne



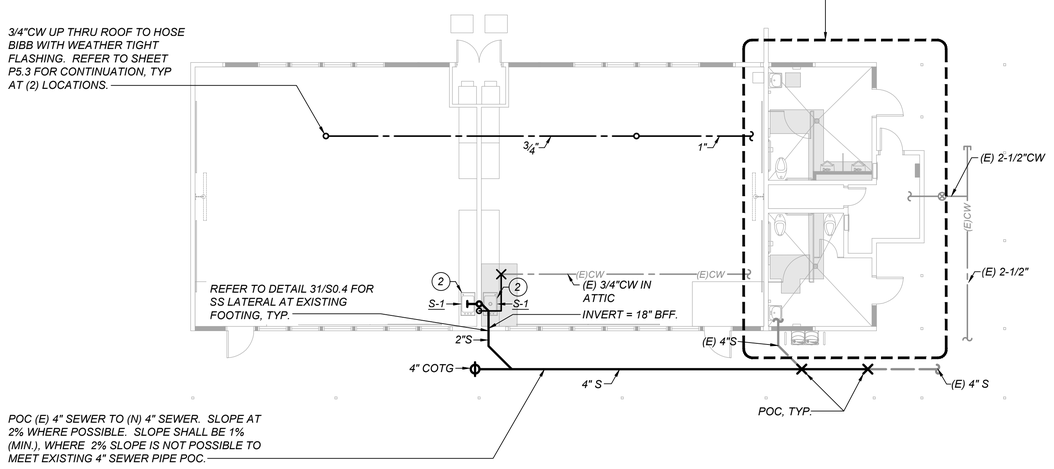
BUILDING E

PLUMBING DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"

KEYNOTES: (THIS SHEET ONLY)

1. *DISCONNECT AND REMOVE (E) SINK, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL (AS SHOWN HATCHED), AS NECESSARY FOR NEW CONSTRUCTION. ADJUST (E) PLUMBING IN WALL FOR (N) PLUMBING ROUGH-IN.*
2. *POC (N) 1/2"CW, 1-1/2"VR, AND 2"S TO (E) 1/2"CW, 1-1/2"VR, AND 2"S IN WALL. OFFSET AND ADJUST AS NECESSARY. PROVIDE (N) 2" WCO AT SINK, TYP. REFER TO PLUMBING FIXTURE SCHEDULE FOR INFORMATION.*



BUILDING E

PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"

north

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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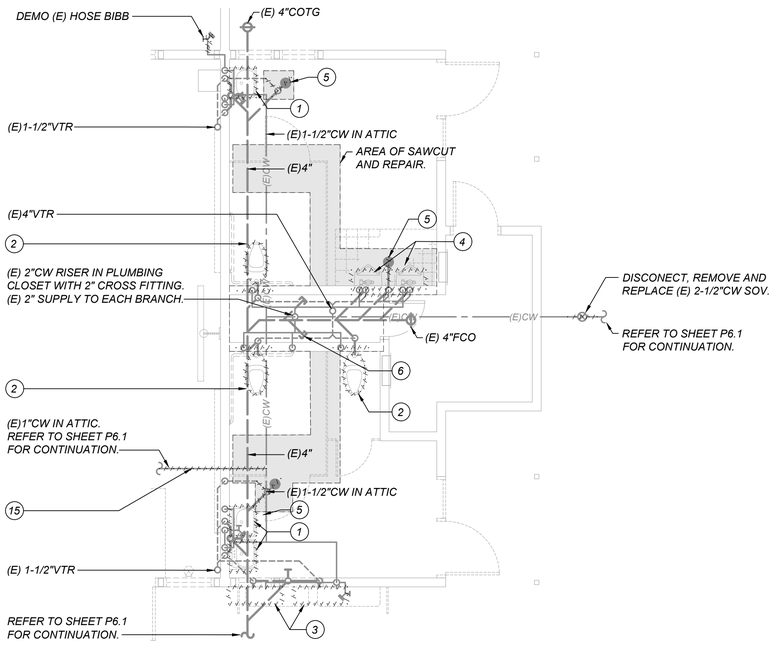
TITLE
BUILDING E
DEMO FLOOR PLAN
FLOOR PLAN

P6.1

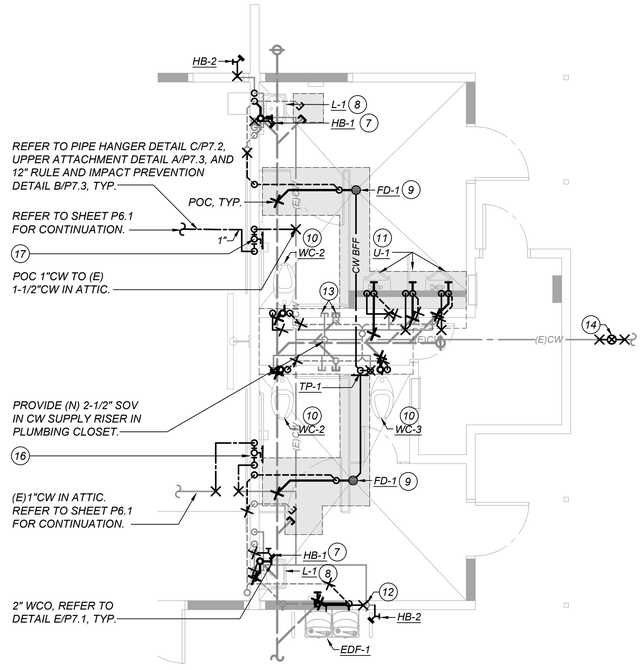
PROJECT 24043

22 October 2025 11:47 AM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P6.1 BUILDING E - DEMO FLOOR AND FLOOR PLAN.dwg wayne



BUILDING E
ENLARGED PLUMBING DEMOLITION FLOOR PLAN

SCALE: 1/4" = 1'-0"



BUILDING E
ENLARGED PLUMBING FLOOR PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

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KEYNOTES: (THIS SHEET ONLY)

1. DISCONNECT AND REMOVE (E) LAVATORIES, HOSE BIBB, AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL SHOWN HATCHED. ADJUST PLUMBING IN WALL AS NECESSARY FOR NEW PLUMBING ROUGH-IN.
2. DISCONNECT AND REMOVE (E) WALL MOUNTED WATER CLOSETS AND WALL CARRIERS, ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING FOR NEW CONSTRUCTION. OFFSET PLUMBING AS NECESSARY FOR NEW PLUMBING ROUGH-IN.
3. DISCONNECT AND REMOVE (E) DRINKING FOUNTAINS, HOSE BIBB, AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN/ON WALL AS SHOWN HATCHED AND ADJUST FOR NEW PLUMBING ROUGH-IN. PATCH WALL AS NECESSARY.
4. DISCONNECT AND REMOVE (E) FLOOR MOUNTED URINALS AND ALL ASSOCIATED CW, VENT, AND SEWER PIPING IN WALL AND BELOW FLOOR AS SHOWN HATCHED. SAWCUT AS NECESSARY TO REMOVE (E) PLUMBING FOR NEW CONSTRUCTION. OFFSET PLUMBING AS NECESSARY FOR NEW PLUMBING ROUGH-IN. PATCH FLOOR AS NECESSARY TO MATCH EXISTING.
5. DISCONNECT AND REMOVE (E) FLOOR DRAIN. DISCONNECT AND REMOVE (E) 1-1/2" VENT, TRAP PRIMER (IF EXIST.), AND 2" SEWER AS NECESSARY FOR NEW PLUMBING ROUGH-IN.
6. (E) PLUMBING PIPING CAPPED BEHIND FINISHED SURFACES.
7. PROVIDE (N) HOSE BIBB AT 12" AFF. POC (N) 3/4"CW TO (E) 3/4"CW RISER.
8. OFFSET AND POC (N) 1/2"CW, 1-1/2"VR, AND 2"S TO (E) 1/2"CW RISER, 1-1/2"VR, AND 2"S IN WALL WITH (N) 2"WCO. PATCH BACK WALL AS NECESSARY TO MATCH EXISTING.
9. POC (N) 2"S TO (E) 4"S BEL. FLOOR. PROVIDE (N) 1-1/2"V BEL. FLOOR AND POC TO (E) VENT RISER AT WALL. PROVIDE (N) 1/2"CW BEL FLOOR TO TRAP PRIMER CONNECTION, TYP. REFER TO TRAP PRIMER CONNECTION DETAIL F/P7.1.
10. POC (N) 1"CW, 2"VR, AND 4"S TO (N) WALL MOUNTED WATER CLOSET WITH WALL CARRIER. REFER TO PLUMBING SCHEDULE FOR MORE INFORMATION. REFER TO DETAIL G/P7.1 FOR WATER CLOSET MOUNTING DETAIL, TYP.
11. POC (N) 1"CW, 1-1/2"VR AND 2"S TO (E) 3/4"CW, 1-1/2" VENT, AND 2" SEWER IN WALL. PROVIDE (N) 2"WCO, TYP.
12. POC (N) 3/4"CW, 1-1/2"VR, AND 2"S WITH WCO. PROVIDE 3/4"CW TO HOSE BIBB AT 12" AFG, AND TEE 1/2"CW TO DRINKING FOUNTAIN.
13. CAP BEHIND FINISHED SURFACES. TYP. AT (2) LOCATIONS.
14. REMOVE AND REPLACE (E) 2-1/2"CW SOV WITH (N) 2-1/2" CW SOV IN YARD BOX. VERIFY EXACT LOCATION IN FIELD. INFORMATION BASED ON EXISTING PLANS. REFER TO COLD WATER SHUTOFF VALVE IN BOX DETAIL A/P7.1.
15. DISCONNECT 1"CW SUPPLY TO CLASSROOM SINKS TO PROVIDE FOR NEW SOV.
16. POC (N) 1"CW TO (E) 1"CW. ELBOW 1"CW DN. IN WALL WITH SOV AT 5'-0" AFF. PROVIDE LOCKING ACCESS PANEL. ELBOW UP TO ABOVE CEILING AND POC (E) 1"CW.
17. ELBOW 1" CW DN. IN WALL WITH SOV AT 5'-0" AFF. PROVIDE LOCKING ACCESS PANEL. ELBOW UP ABOVE CEILING AND ROUTE AS SHOWN.

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING E
ENLARGED DEMO
FLOOR PLAN
ENLARGED FLOOR PLAN

P6.2

PROJECT 24043

north

REGISTERED PROFESSIONAL ENGINEER
BRIAN W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
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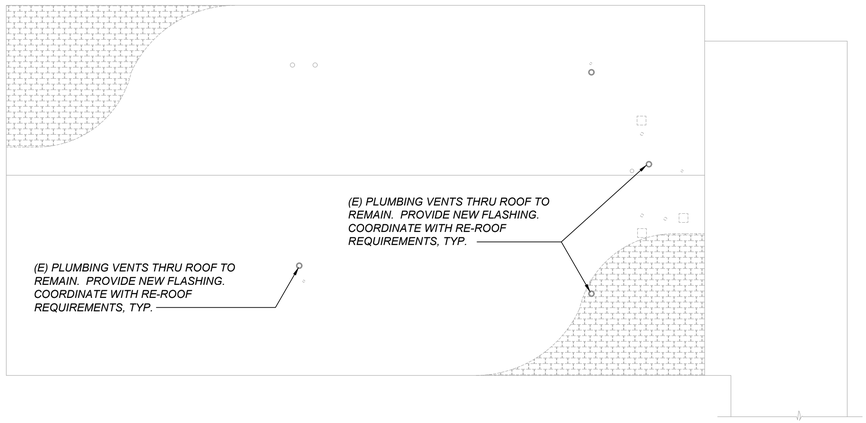
24117
Fresno, CA 93727
FAX (559) 431-1362

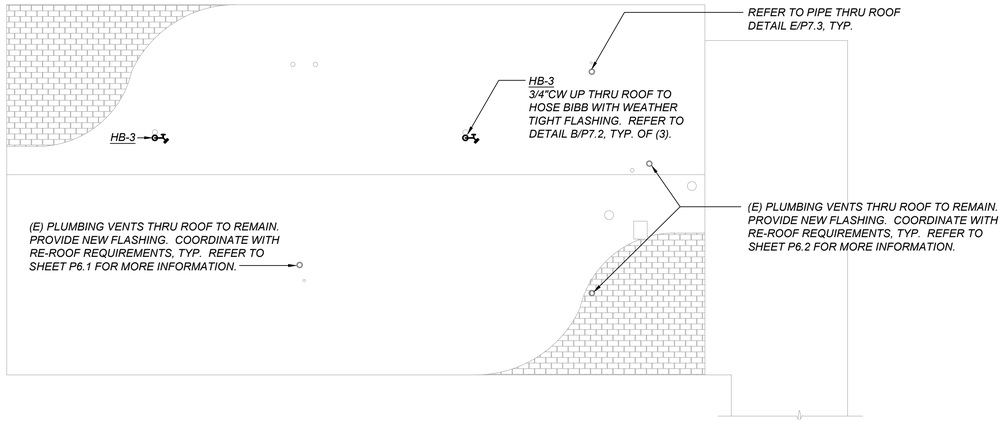
22 October 2025 12:04 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\S P\P6.2 BUILDING E - ENLARGED DEMO FLOOR AND ENLARGED FLOOR PLAN.dwg wayne



BUILDING E

PLUMBING DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"



BUILDING E

PLUMBING ROOF PLAN

SCALE: 1/8" = 1'-0"

north

APPROVALS

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TITLE
BUILDING E
DEMO ROOF PLAN
ROOF PLAN

P6.3

PROJECT 24043

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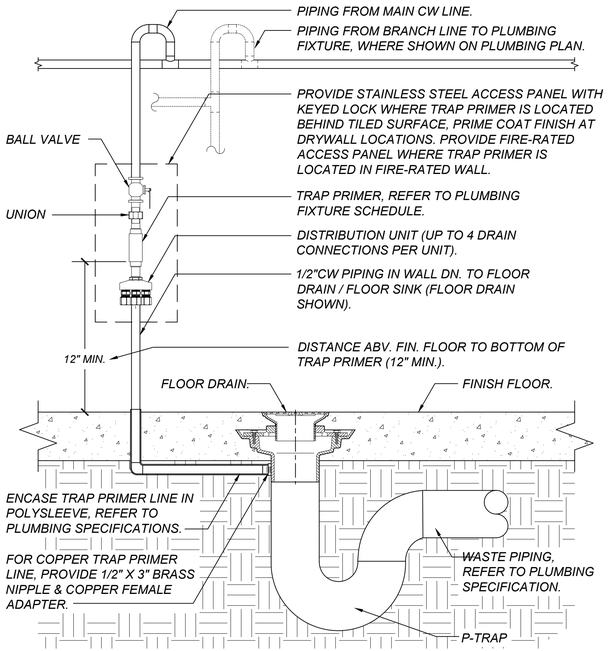
22 October 2025 12:04 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P6.3 BUILDING E - DEMO ROOF AND ROOF PLAN.dwg wayne

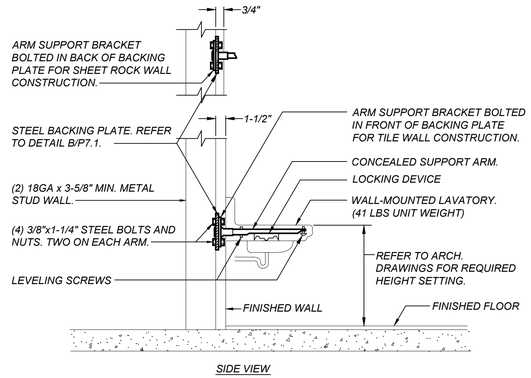


NOTE:
REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS FOR ELEVATION OF TRAP PRIMER VS. LENGTH OF RUN TO DRAINS. TRAP PRIMER ELEVATION TO BE INCREASED IN HEIGHT ABOVE FINISHED FLOOR FOR RUNS OVER 20'-0". REFER TO PLUMBING PLANS FOR SIZING.

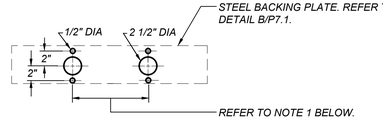
TRAP PRIMER CONNECTION DETAIL

F P-7.1

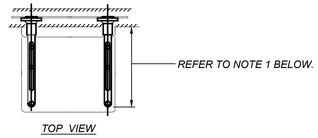
SCALE: NONE



SIDE VIEW



FRONT VIEW



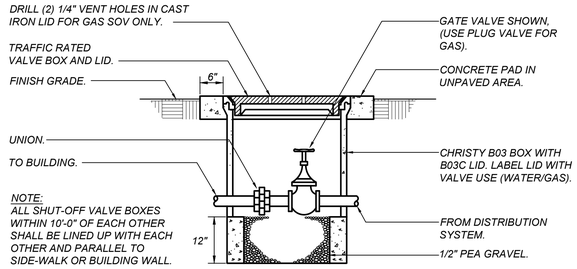
TOP VIEW

NOTE:
1. VERIFY ROUGHING-IN DIMENSIONS WITH BOTH THE CARRIER MANUFACTURER AND FIXTURE MANUFACTURER.

LAVATORY CONCEALED ARM SUPPORT DETAIL

D P-7.1

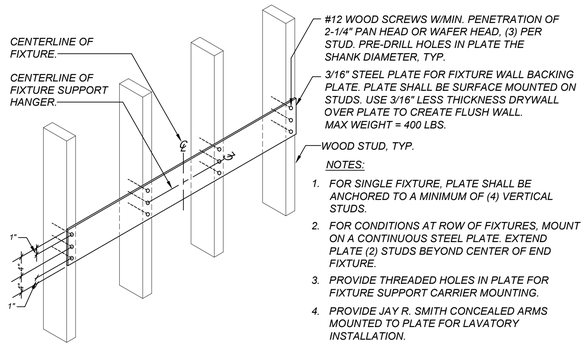
SCALE: NONE



COLD WATER/GAS SHUT-OFF VALVE IN BOX

A P-7.1

SCALE: NONE

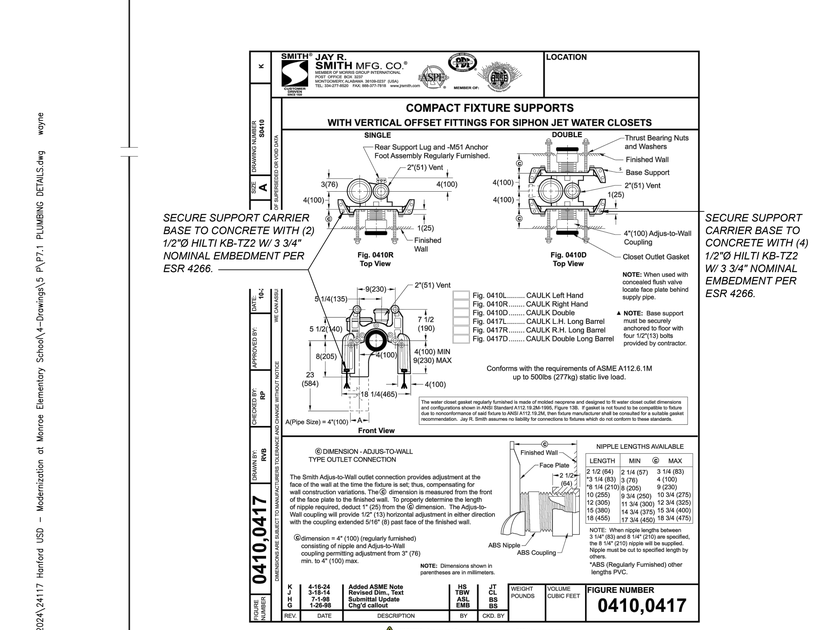


WOOD STUD WALL

FIXTURE SUPPORT BACKING PLATE DETAIL

B P-7.1

SCALE: NONE



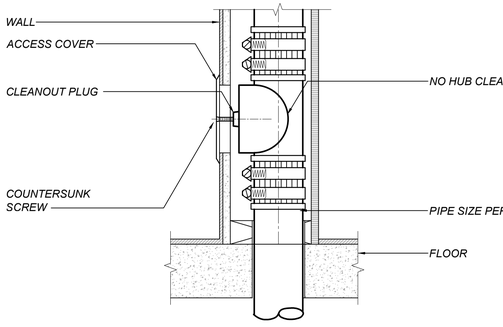
SECURE SUPPORT CARRIER BASE TO CONCRETE WITH (2) 1/2"Ø HILTI KB-TZ2 W/ 3 3/4" NOMINAL EMBEDMENT PER ESR 4266.

SECURE SUPPORT CARRIER BASE TO CONCRETE WITH (4) 1/2"Ø HILTI KB-TZ2 W/ 3 3/4" NOMINAL EMBEDMENT PER ESR 4266.

WATER CLOSET WALL CARRIER SUPPORT DETAIL

G P-7.1

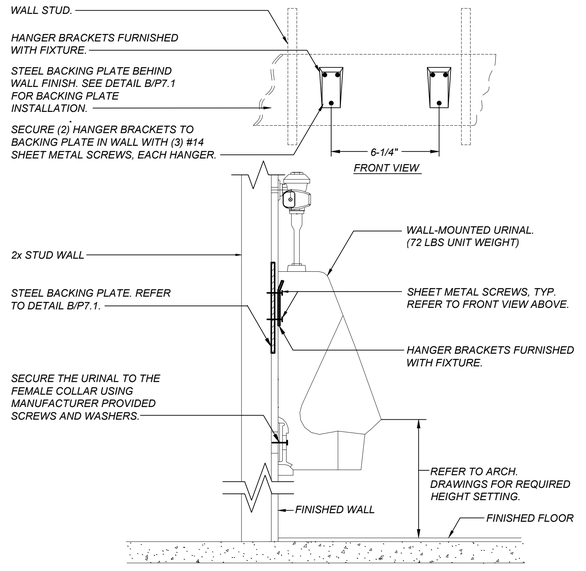
SCALE: NONE



WALL CLEANOUT

E P7.1

SCALE: NONE



SIDE VIEW

URINAL SUPPORT DETAIL

C P-7.1

SCALE: NONE

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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TITLE
PLUMBING DETAILS

P7.1

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER BRIAN W. CARLSON No. M34846 Exp. 6-30-26 MECHANICAL STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101 Fresno, CA 93727
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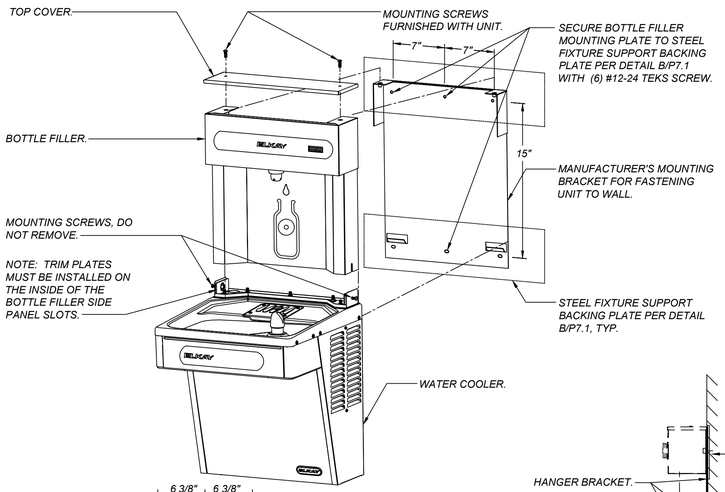
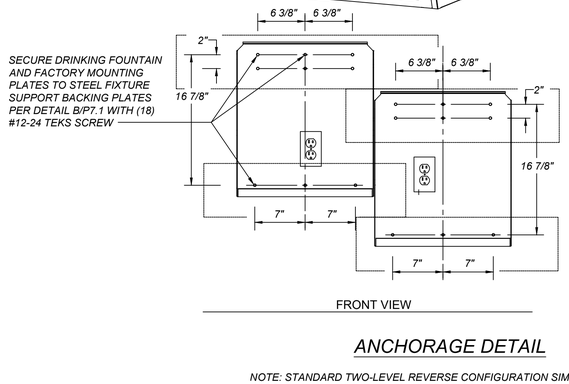
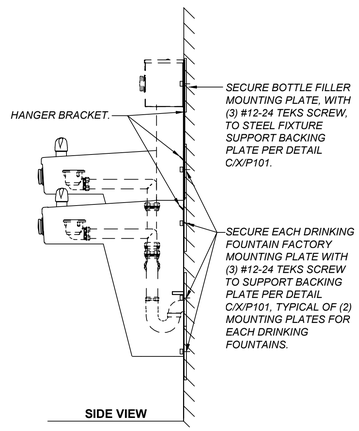
22 October 2025 12:05 PM P:\2024\24117 Hanford USD – Modernization at Monroe Elementary School\4-Drawings\S P\P7.1 PLUMBING DETAILS.dwg wayne







ANCHORAGE DETAIL

NOTE: STANDARD TWO-LEVEL REVERSE CONFIGURATION SIMILAR. INSTALL IN COMPLIANCE WITH THE MANUFACTURER'S INSTALLATION GUIDELINES.

ELECTRIC DRINKING FOUNTAIN / BOTTLE FILLER DETAIL

A P7.2

SCALE: NONE

PIPE SUPPORT SPACING AND ROD DIAMETER

Notes:
"Based on straight lengths of pipe with couplings only. Provide additional supports for equipment, valves or other fittings. Seismic requirements may reduce maximum spacing.
Cast Iron Gravity Drain Pipe: Piping shall be supported at each length of pipe or fitting, but in no case at greater spacing than indicated above for pressure pipe.
General: Hangers shall be placed to support piping without strain on joints or fittings. Maximum spacing between supports shall be as specified above. Actual spacing requirements will depend on structural system. Vertical piping shall be supported with riser clamp at base and each floor. Cast Iron - Do not exceed 15 feet intervals, Copper - Do not exceed 10 feet intervals, Steel Pipe for water- Do not exceed 15 feet intervals, Steel pipe for gas - Do not exceed information in the above table. Support pipe within 12" of all changes in direction. Support individual pipes with pipe hanger.

Refer to Specification 22 00 00, Part 2.1, C.1 "Products - Piping Materials - Miscellaneous Piping Items - Pipe Support" and Section 22 00 00, Part 3.1, "Execution - Piping Installation."

Refer to 2022 CPC Table 313.3 and Table 313.6 for additional hanger and support information.

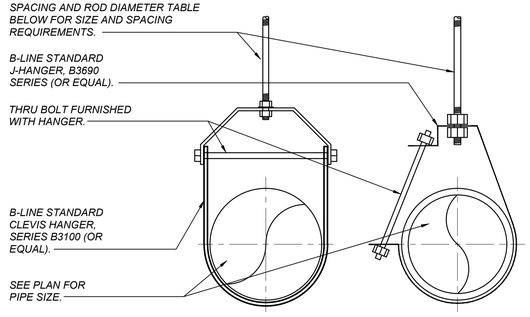
Refer to CBC 1617A.1.26 and DSA IR 16-13.
Section 3.4 - Piping and Distribution Systems (CBC Section 1617A.1.26)
To qualify for any of the exemptions listed below. the following is required:
1) Flexible connections, expansion loops, or other provisions are made to accommodate the relative displacement between the component and the piping.
Flexible connections may be omitted when piping is rigidly attached to the same floor or wall that provides vertical and lateral support for the equipment or fixture per CBC 1617A.1.26.
2)The piping system is positively attached to the structure.

Section 3.4.1 - Individually Supported Piping Distribution System Components

Section 3.4.1.1 (In addition to Section 3.4 above)
1) Rp ≥ 4.5 (excludes pipes of glass, cast iron, and non-ductile plastics).
2) Nominal pipe size does not exceed 3" when Ip=1.0, and does not exceed 1" when Ip>1.0.
3) Vertical pipe size is provided by 3/8" or 1/2" diameter rod hangers.
4) Rod hanger does not exceed 12" in length from the pipe support to the connection point on the support structure.
5) The total weight supported by any rod hanger is 50 lbs or less.

Section 3.4.1.2 (In addition to Section 3.4 above)
1) Vertical suppor is required by rod hangers.
2) Nominal pipe size does not exceed 3" for Ip=1.0, or exceed1" for Ip=1.5
3) Provisions are made to avoid impact with other components, as follows:

Section 3.5 - Provisions To Avoid Impact
1) Maintain minimum horizontal separation distance of 12" between unbraced component and braced element.
2) Maintain minimum separation distance of 18" between adjacent, unbraced components.
3) Smaller separations may be accepted for components with an Ip=1.0 where impact with adjacent components would not cause contents to be released that would negatively impact the occupants, the building integrity, or the function of the component like air vents and air ducts.



PIPE SUPPORT SPACING AND ROD DIAMETER

Pressure Pipe: Pipe Size (Inches)	Threaded Rod Size (Inches)	Copper (Feet)	Maximum Spacing* Between Supports (ft.) Sch. 40 steel
1/2"	3/8"	6	6
3/4"	3/8"	6	8
1"	3/8"	6	8
1-1/4"	3/8"	6	10
1-1/2"	3/8"	6	10
2"	3/8"	10	10
2-1/2"	1/2"	10	10
3"	1/2"	10	10

PIPE HANGER DETAIL

C P7.2

SCALE: NONE

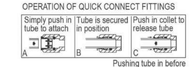
ELKAY SPECIFICATIONS

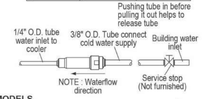
Elkay ezH2O® Bottle Filling Station & Versatile Bi-Level ADA Vandal-Resistant Cooler Non-Filtered Non-Refrigerated Stainless
Model EZSTLDDWSVRSK

IMPORTANT!
INSTALLER PLEASE NOTE :
This water cooler has been designed and built to provide water to the user which has not been altered by materials in the cooler waterways. The grounding of electrical equipment such as telephone, computer, etc. to water lines is a common procedure. The grounding may be in the building but may also occur away from the building. This grounding can cause electrical feedback into a water cooler creating an electrolysis which creates a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as shown below.

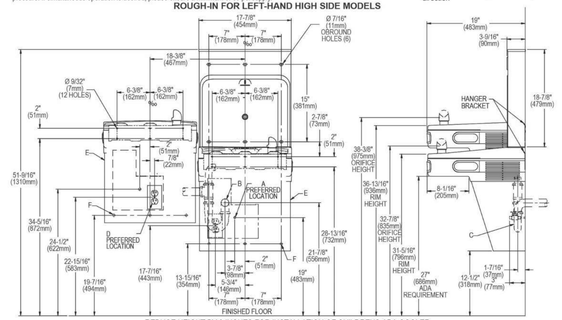
NOTICE
This water cooler must be connected to the water supply using a dielectric coupling. The cooler is furnished with a non-metallic strainer which meets this requirement. The drain trap which is provided by the installer should also be plastic to completely isolate the cooler from the building plumbing system.
Bottle filler unit on bracket attached to wall by 6 holes (as shown). Water and electrical will connect through pre-punched hole in basin.
These products are designed to operate on 20 psi to 105 psi supply line pressure. Simultaneous operation of both bubblers on a bi-level unit may not be possible depending on water supply pressure. If simultaneous operation is desired, please ensure a minimum of 65 psi supply.

OPERATION OF QUICK CONNECT FITTINGS





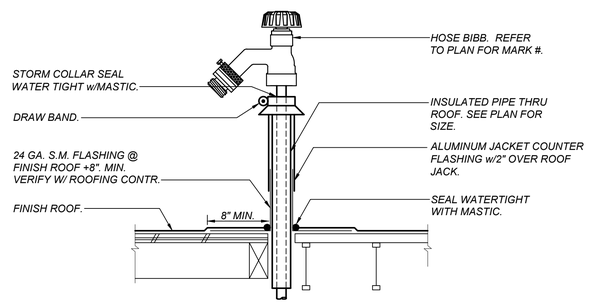
ROUGH-IN FOR LEFT-HAND HIGH SIDE MODELS



REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDRENS ADA COOLER

LEGEND:
A = Recommended Water Supply location. Shut-off Valve (not furnished) to accept 3/8" O.D. unplated copper tube. Up to 3" (76mm) maximum out from wall.
B = Recommended Waste Outlet location. To accommodate 1-1/2" nominal drain. Drain stub 2" (51mm) out from wall.
C = 1-1/2" Trap (not furnished).
D = Electrical Supply (3) Wire Recessed Box Duplex Outlet.
E = Insure proper ventilation by maintaining 6" (152mm) minimum clearance from cabinet louvers to wall.
F = 7/16" (11mm) Bolt Holes for fastening to wall.
Note : New Installations Must Use Ground Fault Circuit Interrupter (GFCI). It is highly recommended that the circuit be dedicated and the load protection be sized for 20 amps.

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkay.com for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.



PIPE THRU ROOF DETAIL - INSULATED

B P7.2

SCALE: NONE

APPROVALS
FILE # 16-14 APPLICATION # 02-123247

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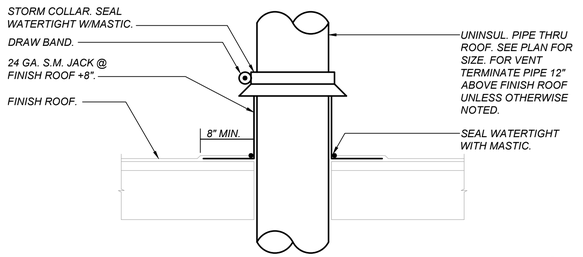
TITLE
PLUMBING DETAILS

P7.2

PROJECT 24043

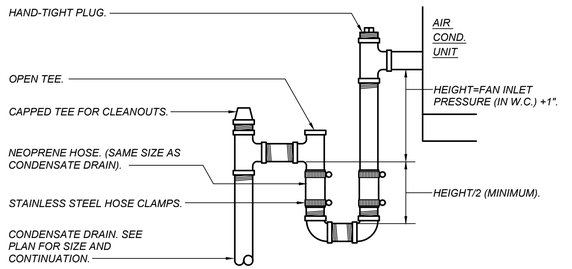
22 October 2025 12:06 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P7.2 PLUMBING DETAILS.dwg wayne



PIPE THRU ROOF DETAIL - UNINSULATED

E / P7.3

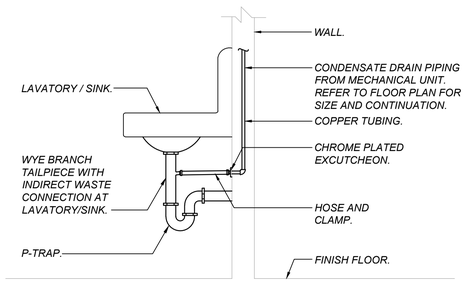
SCALE: NONE



CONDENSATE DRAIN CONNECTION DETAIL

F / P7.3

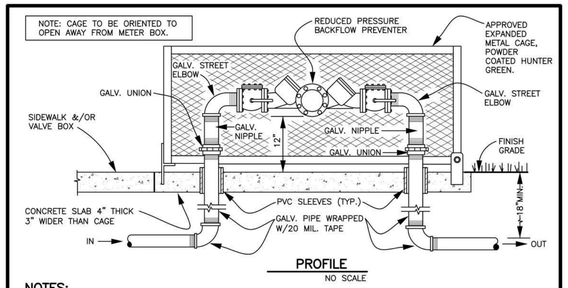
SCALE: NONE



CONDENSATE TERMINATION TO TAILPIECE

G / P7.3

SCALE: NONE

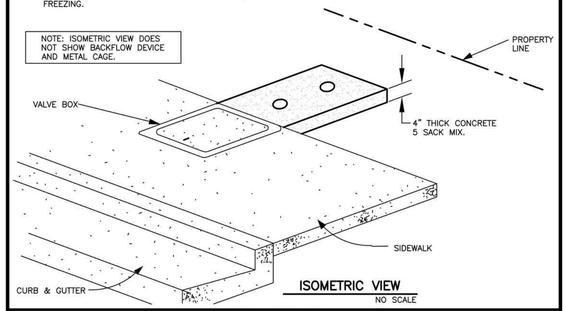


PROFILE

NO SCALE

NOTES:

1. BACKFLOW DEVICE (WILKINS 975XL OR APPROVED EQUAL) SHALL BE SUBJECT TO APPROVAL BY THE CITY UTILITY SUPERINTENDENT.
2. BACKFLOW DEVICES LARGER THAN 2" DIAMETER SHALL REQUIRE REVIEW & APPROVAL BY THE CITY UTILITY SUPERINTENDENT. EXPANDED METAL CAGE NOT REQUIRED.
3. BACKFLOW DEVICE SHALL BE COVERED WITH AN INSULATION BLANKET (WEATHERGUARD OR APPROVED EQUAL) TO PREVENT FREEZING.



ISOMETRIC VIEW

NO SCALE

DEPT. OF PUBLIC WORKS — CITY OF HANFORD — ENGINEERING DIVISION

WATER SERVICE BACKFLOW PREVENTER ASSEMBLY

STANDARD DRAWING

APPROVED BY: _____ CITY ENGINEER R.C.E. 062044

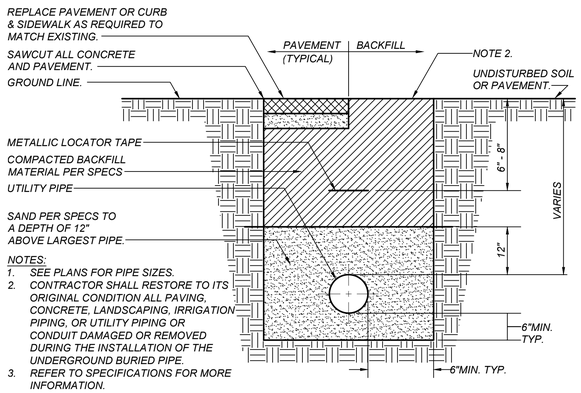
REVISED: 04/04/06

DRAWING NO. WA–18

BACKFLOW PREVENTER DETAIL

C / P7.3

SCALE: NONE



NOTES:

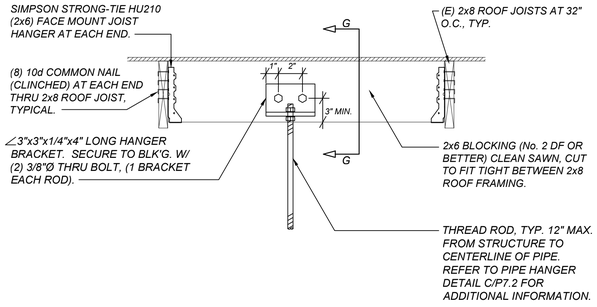
1. SEE PLANS FOR PIPE SIZES.
2. CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION ALL PAVING, CONCRETE, LANDSCAPING, IRRIGATION PIPING, OR UTILITY PIPING OR CONDUIT DAMAGED OR REMOVED DURING THE INSTALLATION OF THE UNDERGROUND BURIED PIPE.
3. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

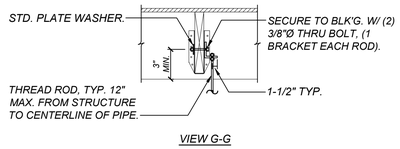
TYPICAL UTILITY TRENCH DETAIL

D / P7.3

SCALE: NONE

P161





VIEW G-G

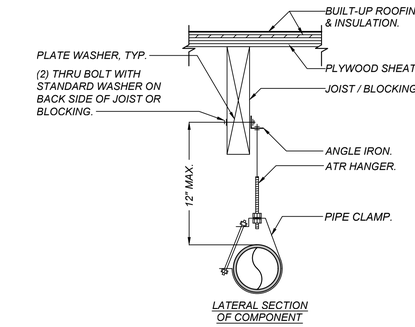
NOTE:

1. REFER TO PLUMBING SPECIFICATIONS AND 2022 CPC TABLE 313.3 AND 316.3 FOR ADDITIONAL REQUIREMENTS FOR SUPPORT HANGER SIZE AND SPACING.

UPPER HANGER ATTACHMENT DETAIL

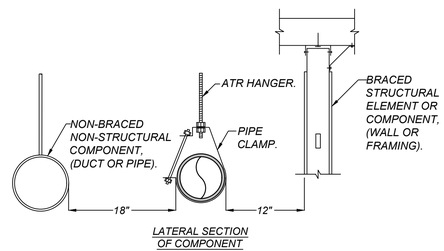
A / P7.3

SCALE: NONE



LATERAL SECTION OF COMPONENT

12" RULE DETAIL - SINGLE HUNG



LATERAL SECTION OF COMPONENT

IMPACT PREVENTION DETAIL - SINGLE HUNG

SINGLE DISTRIBUTION SYSTEM COMPONENT:
PIPE OF DUCTILE MATERIALS (R_P > 4.5):

1. 3" MAXIMUM DIAMETER FOR NON-HAZARDOUS MATERIALS (I_P = 1.0).
2. 1" MAXIMUM DIAMETER FOR HAZARDOUS MATERIALS (I_P > 1.0).
3. PROVIDE FLEXIBLE CONNECTION AT RESTRAINT OR CONNECTION TO BRACED EQUIPMENT.
4. REFER TO DSA IR 16-13, DETAIL B-1.0 & B-2.0.

12" RULE AND IMPACT PREVENTION DETAIL

B / P7.3

SCALE: NONE

APPROVALS

FILE # 16-14 — APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT — JAMES R. MORRELL — No. C-27128 — REN. 05-31-27 — STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
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(559) 627.0530 Office
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TITLE: PLUMBING DETAILS

P7.3

PROJECT 24043

CERTIFIED PROFESSIONAL ENGINEER — BRIAN W. CARLSON — No. M34846 Exp. 6-30-26 — MECHANICAL — STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
(559) 431-0101
24117
Fresno, CA 93727
FAX (559) 431-1362

22 October 2025 2:14 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\5 P\P7.3 PLUMBING DETAILS.dwg wayne

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

MARK	FIXTURE	CONNECTION SIZES				DESCRIPTION
		S or W	V	CW	HW	
BFP-1	REDUCE PRESSURE PRINCIPLE BACKFLOW PREVENTER	-	-	4"	-	ZURN MODEL #375 (OR FEBCO EQUAL) REDUCED PRESSURE PRINCIPLE ASSEMBLY WITH 4" OSY GATE VALVES, AND 4" FLANGED CONNECTION. ASSE 1013. BACKFLOW DEVISE REQUIRES REVIEW AND APPROVAL BY THE CITY UTILITY SUPERINTENDENT. REFER TO CITY OF HANFORD STANDARD WATER SERVICE BACKFLOW PREVENTER ASSEMBLY D/P7.3

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

MARK	FIXTURE	CONNECTION SIZES				DESCRIPTION
		S or W	V	CW	HW	
L-1	LAVATORY	2"	1-1/2"	1/2"	-	KOHLER "KINGSTON" #K-2005, WALL-MOUNT, CBC ACCESS COMPLIANT, 21-1/4"x18-1/8", VIT. CHINA WITH 4" CENTER FAUCET HOLES. McGUIRE #155A GRID DRAIN, CHICAGO 3400-ABCP METERING FAUCET WITH (0.5 GPM) VANDAL PROOF PRESSURE COMPENSATING ECO-FLOW SPRAY OUTLET AND PUSH KNOB HANDLE. PROVIDE JAY R SMITH 723 CONCEALED ARM WALL CARRIER. ADJUST FAUCET RUN TIME TO 10 SECONDS REFER TO LAVATORY CONCEALED ARM SUPPORT DETAIL D/P7.1. PROVIDE STEEL SUPPORT PLATE FOR MOUNTING FIXTURE PER DETAIL B/P7.1. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
S-1	SINK	2"	1-1/2"	1/2"	-	JUST #CRAADA1931A45LM-J, (OR ELKAY EQUAL) CBC ACCESS COMPLIANT, 31" x 19-1/2" x 4-1/2" DEEP, TYPE 304, 18-GAUGE STAINLESS STEEL, 22" x 16" x 4-3/8" SINGLE BOWL W/ CHICAGO "ECAST" #350-GN8AE35ABCP (OR T&S BRASS OR ZURN EQUAL) GOOSENECK FAUCET INDEXED "C" AT CENTER OF LEFT LEDGE, CHICAGO "ECAST" #748-665ABCP DRINKING BUBBLER AT RIGHT FRONT, AND JUST #J-35-SSF SINK STRAINER.
FD-1	FLOOR DRAIN	2"	1-1/2"	1/2"	-	JAY R. SMITH #2005Y-P050-HP (OR MIFAB OR ZURN EQUAL) DUCO CAST IRON BODY WITH 5" SQUARE NICKEL BRONZE STRAINER, NO-HUB OUTLET, TRAP PRIMER CONNECTION, AND HEELPROOF GRATE.
TP-1	TRAP PRIMER	-	-	1/2"	-	PRECISION PLUMBING PRODUCTS #P1-500 FOR UP TO (4) DRAINS SERVED #DU-4 DISTRIBUTION UNIT, #D-1212SS-CL, 12"x12" STAINLESS STEEL ACCESS PANEL w/CYLINDER LOCK.
SA-1	SHOCK ARRESTOR	-	-	3/4"	-	SIOUX CHIEF "HYDRA-RESTER" #652-B, SEAMLESS COPPER CHAMBER APPROVED FOR CONCEALED INSTALLATION. P.D.I. SYMBOL "B" FOR UP TO 32 FIXTURE UNITS. INSTALL IN UPWARD POSITION.
HB-1	HOSE BIBB	-	-	3/4"	-	WOODFORD #24P-PC (OR MIFAB EQUAL) OPTIONAL POLISHED CHROME WALL HOSE VALVE WITH LOCKSHIELD, NON-REMOVABLE VACUUM BREAKER, AND OPTIONAL LOOSE TEE KEY HANDLE. WITH MODEL 34HD.
HB-2	HOSE BIBB	-	-	3/4"	-	WOODFORD #24P-BR (OR MIFAB EQUAL) ROUGH BRASS WALL HOSE VALVE WITH LOCKSHIELD, NON-REMOVABLE VACUUM BREAKER, AND OPTIONAL LOOSE TEE KEY HANDLE WITH MODEL 34HD.
HB-3	HOSE BIBB (ROOF)	-	-	3/4"	-	WOODFORD #Y24 ROUGH BRONZE WALL HOSE VALVE WITH LOCKSHIELD, NON-REMOVABLE VACUUM BREAKER, & OPTIONAL LOOSE TEE KEY HANDLE.
HB-4	HOSE BIBB	-	-	3/4"	-	WOODFORD #B24 (OR MIFAB EQUAL) ROUGH BRASS HOSE VALVE WITH LOCKSHIELD, ENCLOSED IN A FLUSH MOUNT WALL BOX, NON-REMOVABLE VACUUM BREAKER, AND OPTIONAL LOOSE TEE KEY HANDLE. WITH MODEL 34HD.
EDF-1	ELECTRIC DRINKING FOUNTAIN	2"	2"	1/2"	-	ELKAY ezH2O "BI-LEVEL" MODEL #VRCTLDDWSK, CBC ACCESS COMPLIANT, WALL-MOUNT, VANDAL RESISTANT, NON-FILTERED, NON-REFRIGERATED BOTTLE FILLING STATION AND BI-LEVEL COOLER, GREEN TICKER DISPLAY, VANDAL RESISTANT BUBBLER, STAINLESS STEEL DRINKING FOUNTAIN. ELECTRONIC BOTTLE FILLERBUTTON WITH MECHANICAL FRONT BUBBLER ACTIVATION CONTROLS. PROVIDE STEEL SUPPORT PLATES FOR MOUNTING FIXTURE PER DETAIL A/P7.2. ELECTRICAL: 115V/1Ø, 1.0 FLA., 15 WATTS. WEIGHT: 120 LBS
MS-1	MOP SINK	3"	2"	3/4"	-	KOHLER "WHITBY" #K-6710, 28" x 28" FLOOR MOUNT, CORNER STYLE ENAMELED CAST IRON MOP SINK WITH #K-8940 RIM GUARD, #K-9146 GRID DRAIN, CHICAGO #897-CCP (OR T&S BRASS OR ZURN EQUAL) WALL MOUNTED POLISHED CHROME FAUCET WITH VACUUM BREAKERS, INTERGAL CHECK VALVES, STOPS, AND WALL BRACE. FLORESTONE #MR-370 60" HOSE WITH WALL BRACKET AND #MR-372 MOP HANGER. (CONNECT CW ONLY TO FAUCET. PROVIDE 3" W.C.O.

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

MARK	FIXTURE	CONNECTION SIZES				DESCRIPTION
		S or W	V	CW	HW	
WC-1	WATER CLOSET	4"	2"	1"	-	KOHLER "JUVENILE ULTRA" #K-96059 ELONGATED BOWL, FLOOR MOUNT, TOP INLET SPUD, CBC ACCESS COMPLIANT FOR T-K STUDENTS. ZURN #Z6200-HET-VC, "METROFLUSH" HIGH EFFICIENCY PISTON FLUSH VALVE WITH LEVER HANDLE AND VANDAL RESISTANT STOP CAP, (1.28 GALLONS/FLUSH), OLSONITE #95SSCT EXTRA HEAVY DUTY OPEN-FRONT WHITE SEAT WITH SELF-SUSTAINING STAINLESS STEEL CHECK HINGES. MOUNT FLUSH VALVE HANDLE ON WIDE SIDE OF STALL OR ROOM. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
WC-2	WATER CLOSET	4"	2"	1"	-	KOHLER "KINGSTON ULTRA" #K-84325, ELONGATED BOWL WALL-HUNG WITH TOP INLET SPUD, CBC ACCESS COMPLIANT. ZURN "AQUASENSE" #ZTR6200EV-LL-TPO, LONG LIFE LITHIUM BATTERY POWERED, PISTON SENSOR OPERATED FLUSH VALVE, (1.28 GPF), MECHANICAL OVERRIDE BUTTON AND TRAP PRIMER CONNECTION, OLSONITE #95SSCT EXTRA HEAVY DUTY OPEN-FRONT WHITE SEAT WITH SELF-SUSTAINING STAINLESS STEEL CHECK HINGES. JAY R. SMITH FIXTURE SUPPORT SERIES (OR MIFAB OR ZURN EQUAL) "QUARTERBACK" WITH M58-M54 FACEPLATE WITH ADJUSTABLE NIPPLE AND "O" RING, #410Y SINGLE, VERTICAL ORIENTATION. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. SEE WATER CLOSET SUPPORT DETAIL G/P7.1.
WC-3	WATER CLOSET	4"	2"	1"	-	KOHLER "KINGSTON ULTRA" #K-84325, ELONGATED BOWL WALL-HUNG WITH TOP INLET SPUD, ZURN "AQUASENSE" #ZTR6200EV-LL-TPO, LONG LIFE LITHIUM BATTERY POWERED, PISTON SENSOR OPERATED FLUSH VALVE, (1.28 GPF), MECHANICAL OVERRIDE BUTTON AND TRAP PRIMER CONNECTION, OLSONITE #95SSCT EXTRA HEAVY DUTY OPEN-FRONT WHITE SEAT WITH SELF-SUSTAINING STAINLESS STEEL CHECK HINGES. JAY R. SMITH FIXTURE SUPPORT SERIES (OR MIFAB OR ZURN EQUAL) "QUARTERBACK" WITH M58-M54 FACEPLATE WITH ADJUSTABLE NIPPLE AND "O" RING, #410Y SINGLE, VERTICAL ORIENTATION. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. SEE WATER CLOSET SUPPORT DETAIL G/P7.1.
WC-4	WATER CLOSET	4"	2"	1"	-	KOHLER "HIGHCLIFF ULTRA" #K-96057 ELONGATED BOWL, FLOOR MOUNT, TOP INLET SPUD, CBC ACCESS COMPLIANT. ZURN "AQUASENSE" #ZTR6200EV-LL, LONG LIFE LITHIUM BATTERY POWERED, PISTON SENSOR OPERATED FLUSH VALVE, (1.28 GPF), MECHANICAL OVERRIDE BUTTON, OLSONITE #95SSCT EXTRA HEAVY DUTY OPEN-FRONT WHITE SEAT WITH SELF-SUSTAINING STAINLESS STEEL CHECK HINGES.
U-1	URINAL	2"	2"	3/4"	-	KOHLER "BARDON" #K-4991-ET, WALL MOUNT, 0.125 GPF, WITH STAINLESS STEEL SECURED STRAINER, CBC ACCESS COMPLIANT, WASHOUT STYLE, ZURN "AQUASENSE" MODEL ZTR6203-LL-ULF LONG LIFE LITHIUM BATTERY POWERED, PISTON SENSOR OPERATED FLUSH VALVE, (0.125 GPF), MECHANICAL OVERRIDE BUTTON. REFER TO URINAL MOUNTING DETAIL C/P7.1. PROVIDE 2" WCO ABOVE FLOOD RIM LEVEL OF FIXTURE. PROVIDE STEEL SUPPORT PLATE FOR MOUNTING FIXTURE PER DETAIL B/P7.1. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

REGISTERED PROFESSIONAL ENGINEER
BRYAN W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101 Fresno, CA 93727
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MANGINI ARCHITECTURE | INGENUITY
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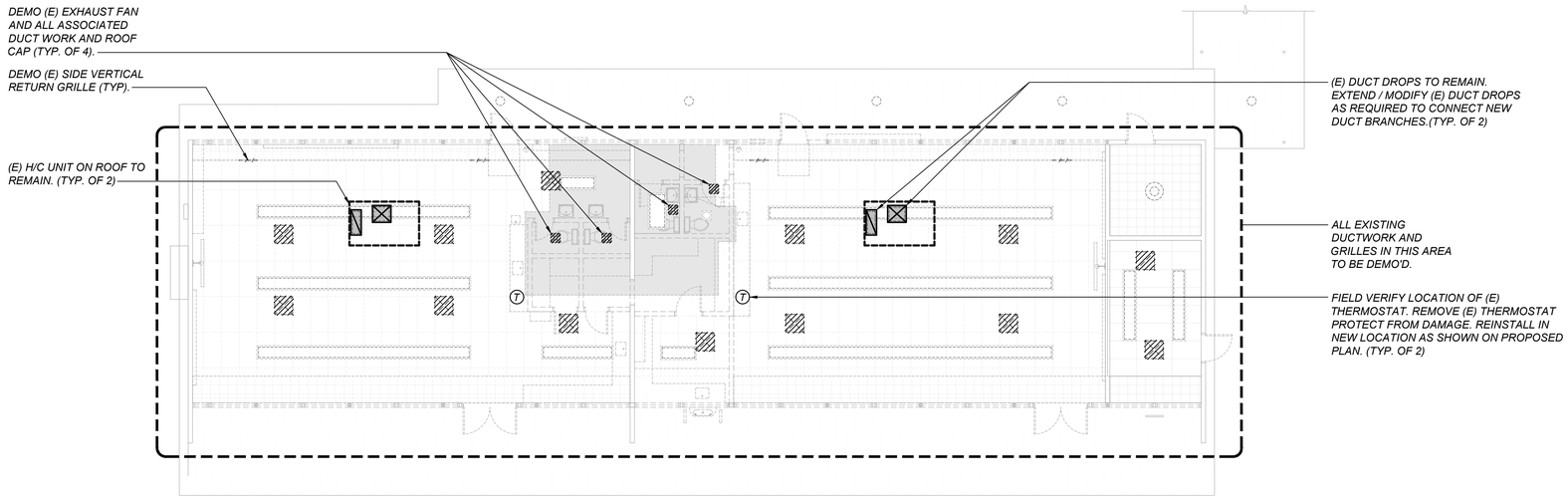
(559) 627.1926 Fax

TITLE
PLUMBING SCHEDULES

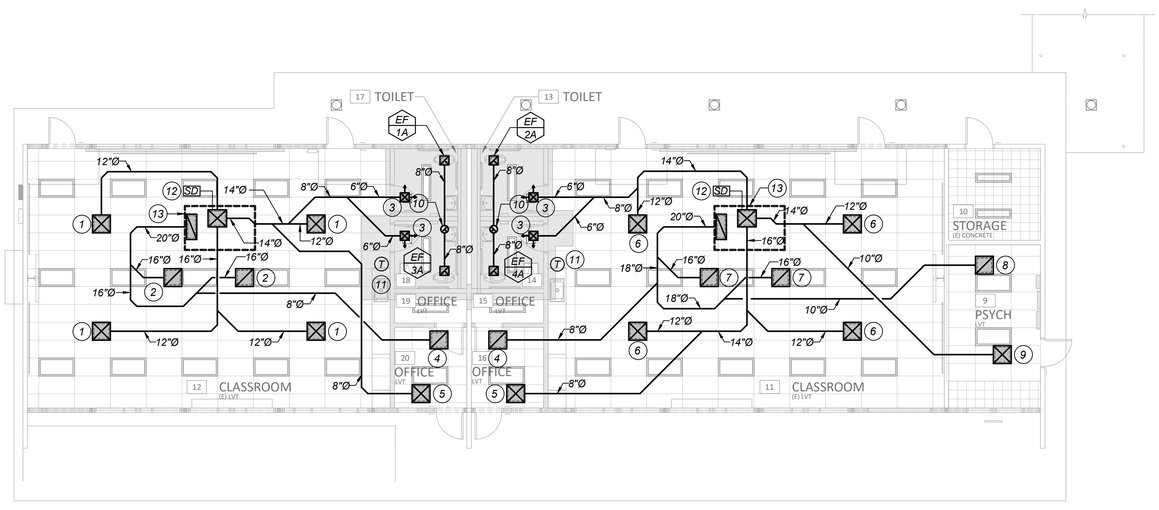
P8.1

PROJECT 24043



BUILDING A
DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"



BUILDING A
FLOOR PLAN

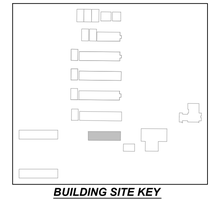
SCALE: 1/8" = 1'-0"

KEYNOTES: (THIS SHEET ONLY)

1. A — 12"Ø-4W 525 CFM
2. C — 22"x22" 1050 CFM
3. B — 12"x12"-2W 75 CFM
4. C — 22"x22" 150 CFM
5. A — 8"Ø-4W 150 CFM
6. A — 12"Ø-4W 475 CFM
7. C — 22"x22" 950 CFM
8. C — 22"x22" 200 CFM
9. A — 10"Ø-4W 200 CFM
10. 10"Ø DUCT UP TO ROOF CAP.
11. NEW LOCATION OF (E) THERMOSTAT. REWIRE THERMOSTAT AS REQUIRED TO H/C UNIT.
12. PROVIDE AND INSTALL (N) SMOKE DETECTOR IN SA DUCT DROP. PRIOR TO ANY BRANCH DUCT. SMOKE DETECTOR TO PROVIDE AUTOMATIC SHUT-OFF TO UNIT UPON DETECTION OF SMOKE. INTERLOCK WITH FIRE ALARM SYSTEM. COORDINATE DETECTOR WITH F.A. CONTRACTOR.
13. 25"x23" SA DUCT DROP THRU ROOF. 34"X14" RA SUCT RISER UP THRU ROOF.

SHEET NOTES:

1. SEE DETAIL D/M7.1 FOR S/A GRILLE AND BRANCH DUCT REQUIREMENTS. (TYP.)
2. SEE DETAIL E/M7.1 FOR R/A & E/A GRILLE AND BRANCH DUCT REQUIREMENTS. (TYP.)
3. SEE DETAIL F/M7.1 FOR ROUND DUCT HANGING DETAIL. (TYP.)
4. SEE DETAIL C/M7.1 FOR SURFACE MOUNT GRILLE RESTRAINT DETAIL. (TYP.)
5. SEE DETAIL A/M7.1 FOR CEILING EXHAUST FAN MOUNTING DETAIL. (TYP.)



BUILDING SITE KEY

north

BRANDED PROFESSIONAL ENGINEER — BRIAN W. CARLSON — No. M34846 — Exp. 6-30-26 — MECHANICAL — STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101 (559) 431-0101 — 24117 — Fresno, CA 93727 FAX (559) 431-1362

APPROVALS

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APP: 02-123247 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT — JAMES R. MORRELL — No. C-21128 — REN. 05-31-27 — STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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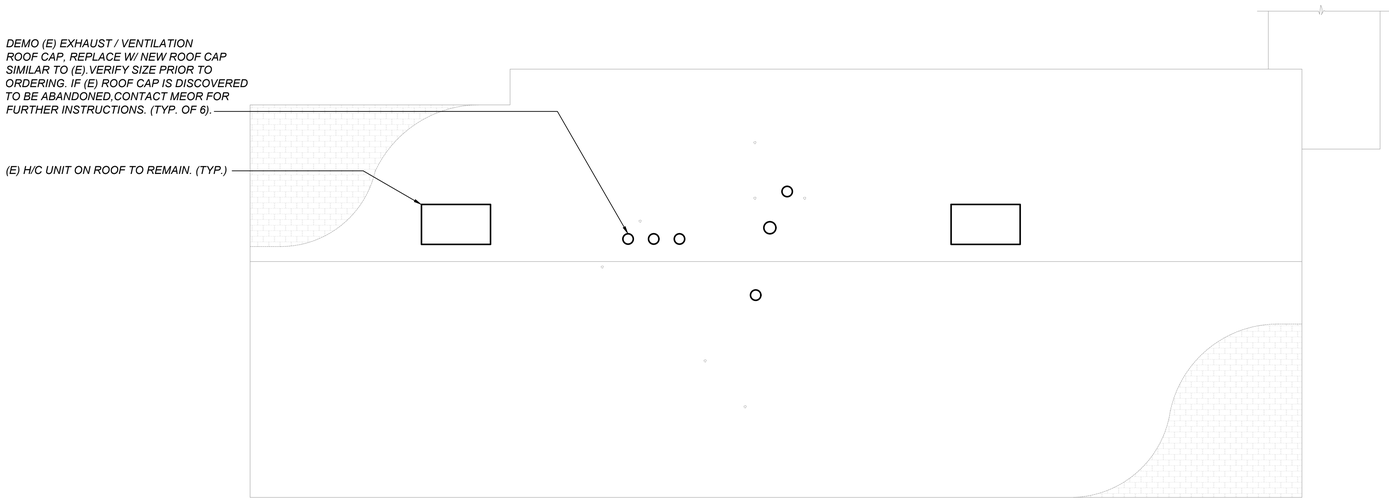
TITLE
BUILDING A
DEMO FLOOR PLAN
FLOOR PLAN

M1.1

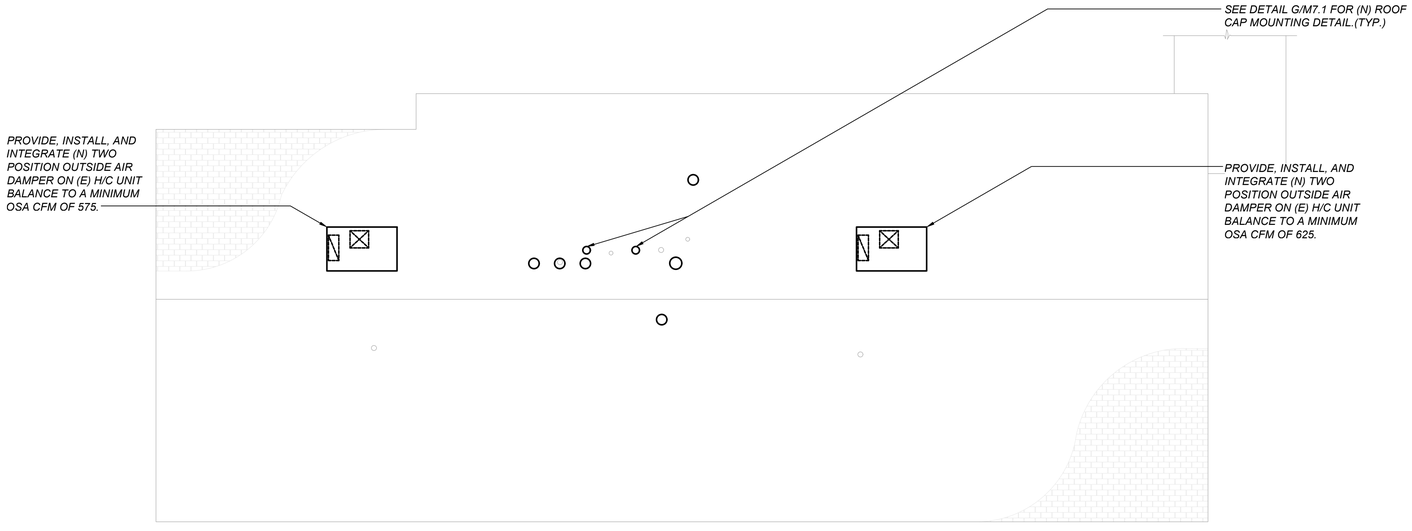
PROJECT 24043

23 October 2025 5:20 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\4 M\M1.1 BUILDING A - DEMO FLOOR AND FLOOR PLAN.dwg kyle yong



BUILDING A
DEMOLITION ROOF PLAN

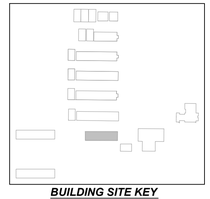
SCALE: 1/8" = 1'-0"



BUILDING A
ROOF PLAN

SCALE: 1/8" = 1'-0"

north



BUILDING SITE KEY

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(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
BUILDING A
DEMO ROOF PLAN
ROOF PLAN

M1.2

PROJECT 24043

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
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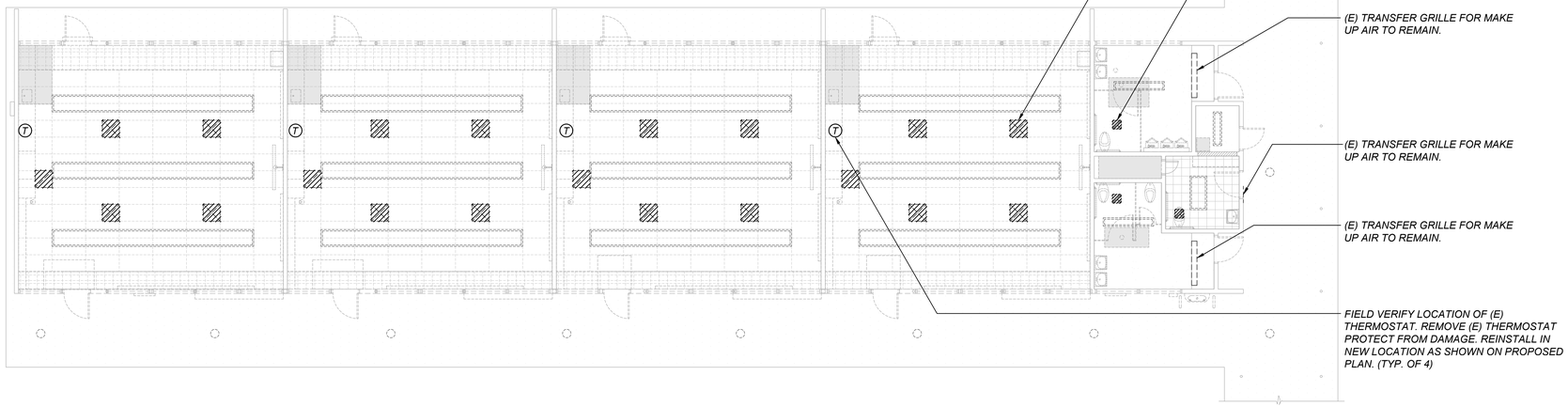
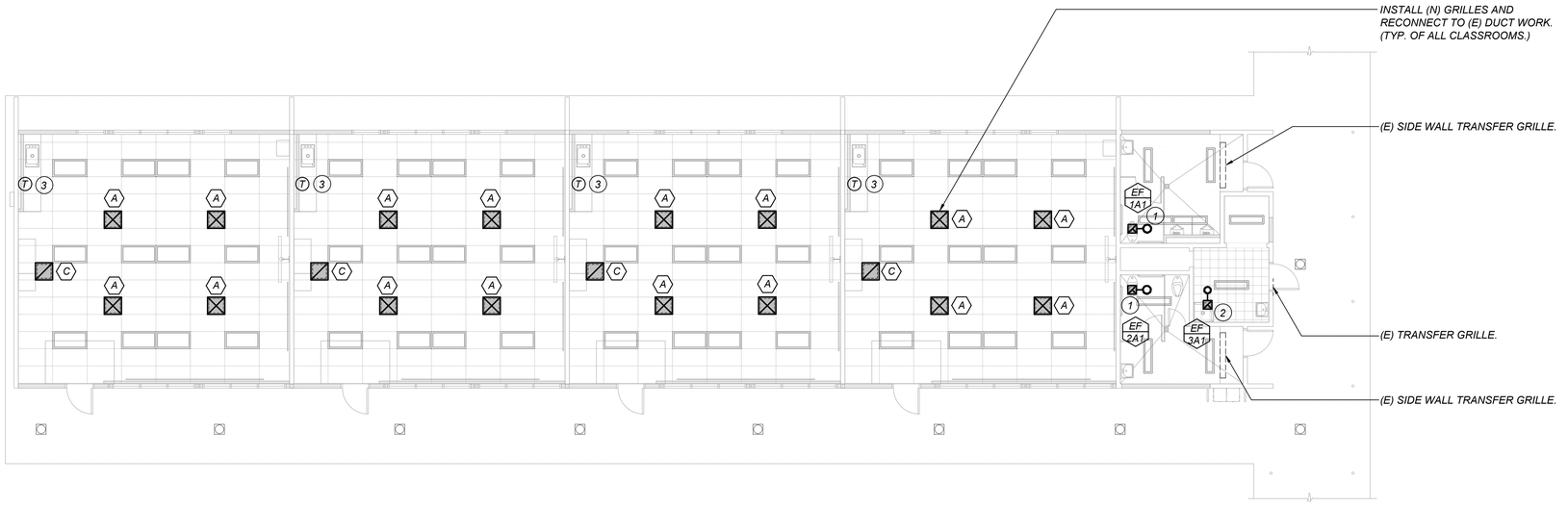


BUILDING A1
DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"



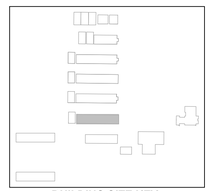
KEYNOTES: (THIS SHEET ONLY)

1. *INSTALL (N) CEILING EXHAUST FAN, 10" Ø UP THRU ROOF. CONNECT TO ROOF CAP. SEE DETAIL A/M7.1 FOR CEILING EXHAUST FAN MOUNTING DETAIL.*
2. *INSTALL (N) CEILING EXHAUST FAN, 8" Ø UP THRU ROOF. CONNECT TO ROOF CAP. SEE DETAIL A/M7.1 FOR CEILING EXHAUST FAN MOUNTING DETAIL.*
3. *NEW LOCATION OF (E) THERMOSTAT. REWIRE THERMOSTAT AS REQUIRED TO H/C UNIT.*

SHEET NOTES:

1.SEE DETAIL C/M7.1 FOR SURFACE MOUNT GRILLE RESTRAINT DETAIL. (TYP.)

2.SEE DETAIL B/M7.1 FOR T-BAR GRILLE RESTRAINT DETAIL. (TYP.)



BUILDING SITE KEY

BUILDING A1
FLOOR PLAN

SCALE: 1/8" = 1'-0"

north

APPROVALS

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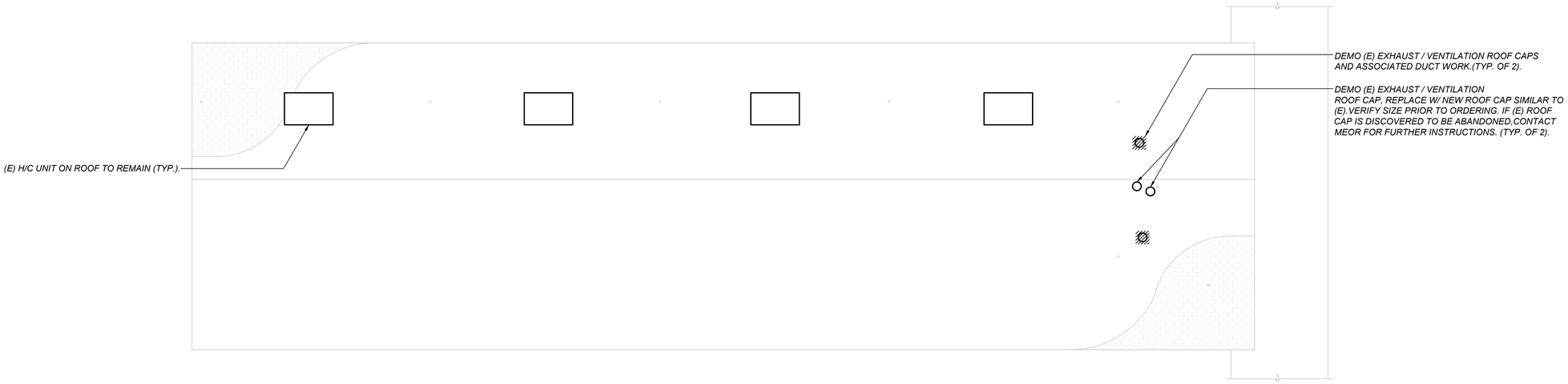
(559) 627.1926 Fax

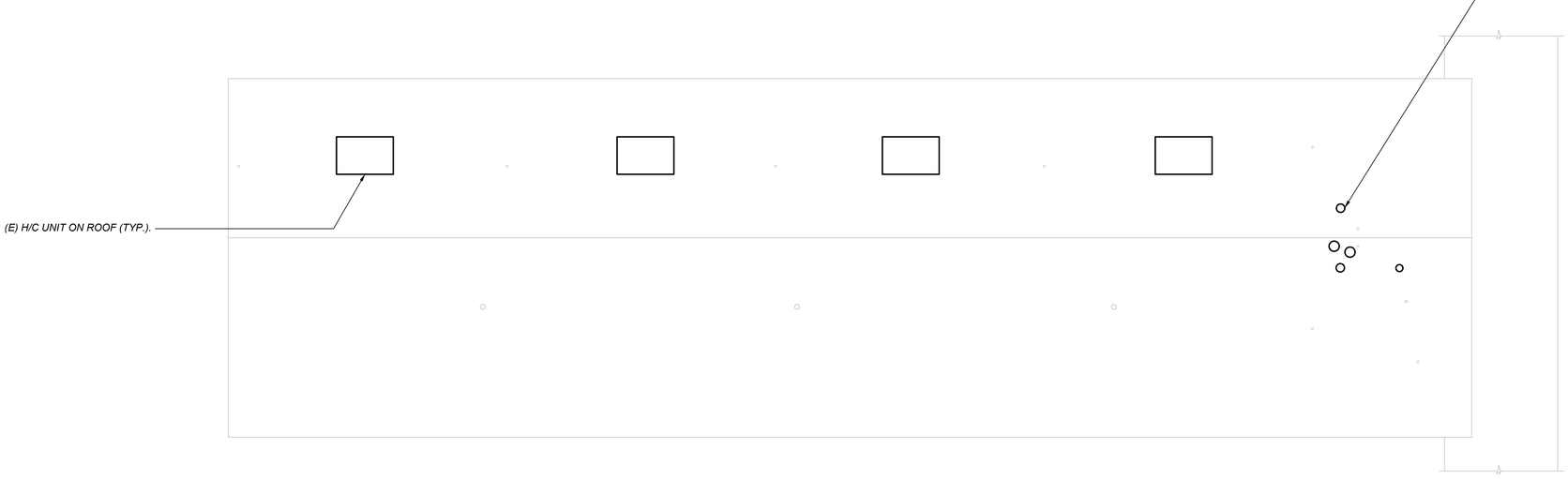
TITLE
BUILDING A1
DEMO FLOOR PLAN
FLOOR PLAN

M2.1

PROJECT 24043

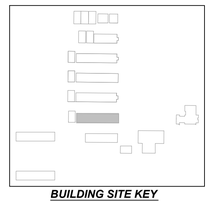


BUILDING A1
DEMOLITION ROOF PLAN
SCALE: 1/8" = 1'-0"



BUILDING A1
ROOF PLAN
SCALE: 1/8" = 1'-0"

north



BUILDING SITE KEY

REGISTERED PROFESSIONAL ENGINEER
BRIAN W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
(559) 431-0101
24117
Fresno, CA 93727
FAX (559) 431-1362

APPROVALS
FILE # 16-14
APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-31128
REN. 05-31-27
STATE OF CALIFORNIA
DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY.
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4320 West Mineral King Avenue
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(559) 627.1926 Fax

TITLE
BUILDING A1
DEMO ROOF PLAN
ROOF PLAN

M2.2

PROJECT 24043

23 October 2025 5:20 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\4 M\M2.2 BUILDING A1 - DEMO ROOF AND ROOF PLAN.dwg kyle yang

APPROVALS

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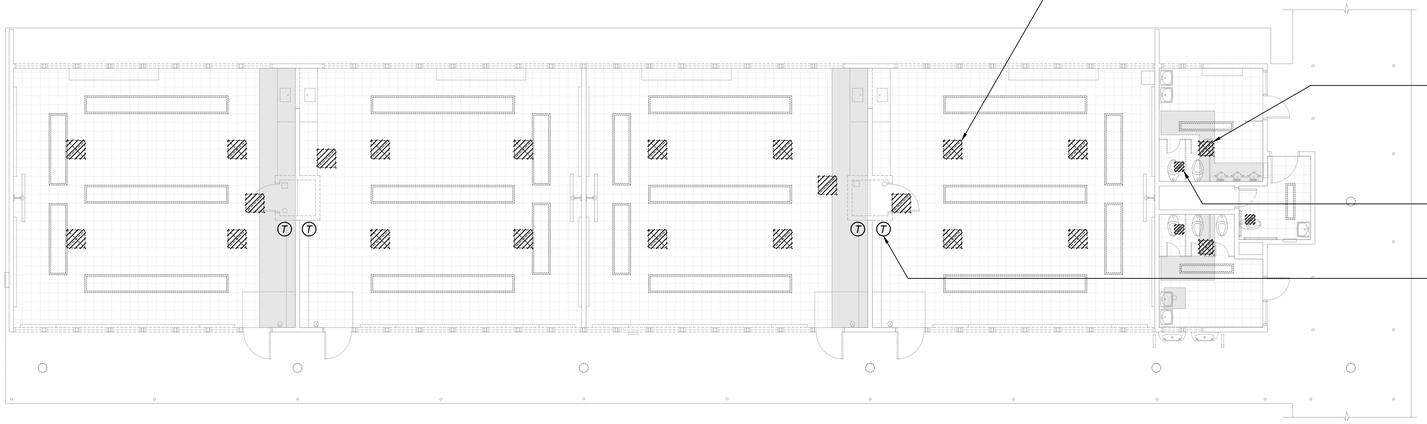
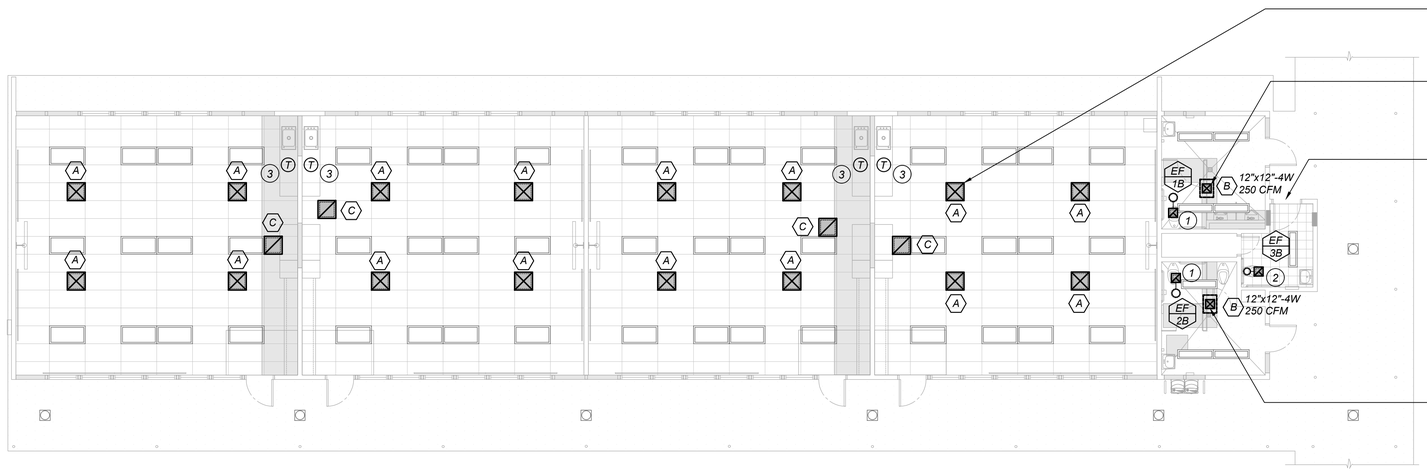


BUILDING B
DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"

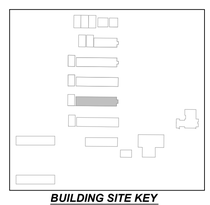


KEYNOTES: (THIS SHEET ONLY)

1. INSTALL (N) CEILING EXHAUST FAN, 10" Ø UP THRU ROOF. CONNECT TO ROOF CAP. SEE DETAIL A/M7.1 FOR CEILING EXHAUST FAN MOUNTING DETAIL.
2. INSTALL (N) CEILING EXHAUST FAN, 8" Ø UP THRU ROOF. CONNECT TO ROOF CAP. SEE DETAIL A/M7.1 FOR CEILING EXHAUST FAN MOUNTING DETAIL.
3. NEW LOCATION OF (E) THERMOSTAT. REWIRE THERMOSTAT AS REQUIRED TO H/C UNIT.

SHEET NOTES:

1. SEE DETAIL C/M7.1 FOR SURFACE MOUNT GRILLE RESTRAINT DETAIL. (TYP.)
2. SEE DETAIL B/M7.1 FOR T-BAR GRILLE RESTRAINT DETAIL. (TYP.)
3. SEE DETAIL H/M7.1 FOR DUCT THRU ROOF DETAIL. (TYP.)



BUILDING SITE KEY

BUILDING B
FLOOR PLAN

SCALE: 1/8" = 1'-0"

north

REGISTERED PROFESSIONAL ENGINEER
BRYAN W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
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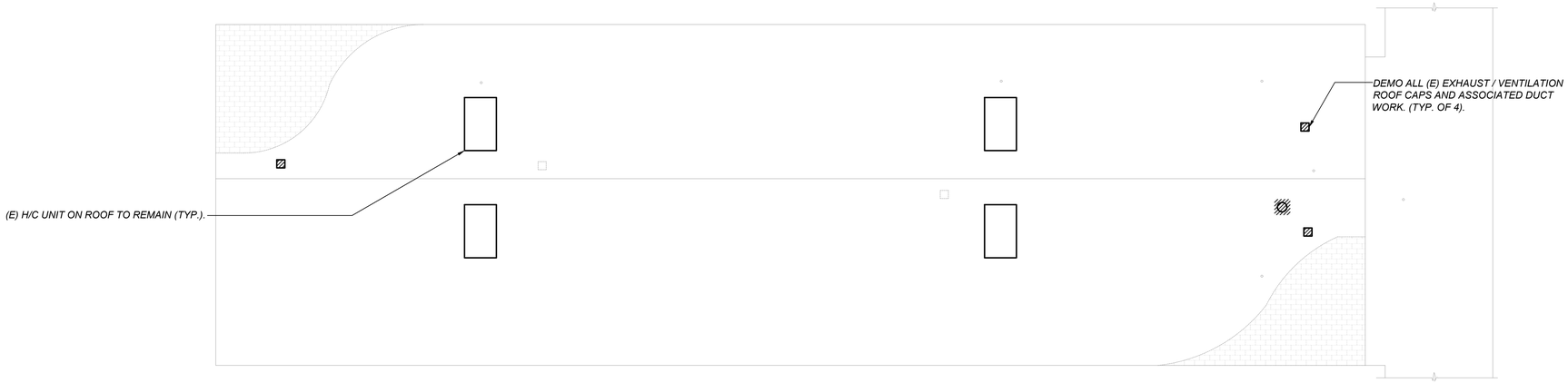
TITLE
BUILDING B
DEMO FLOOR PLAN
FLOOR PLAN

M3.1

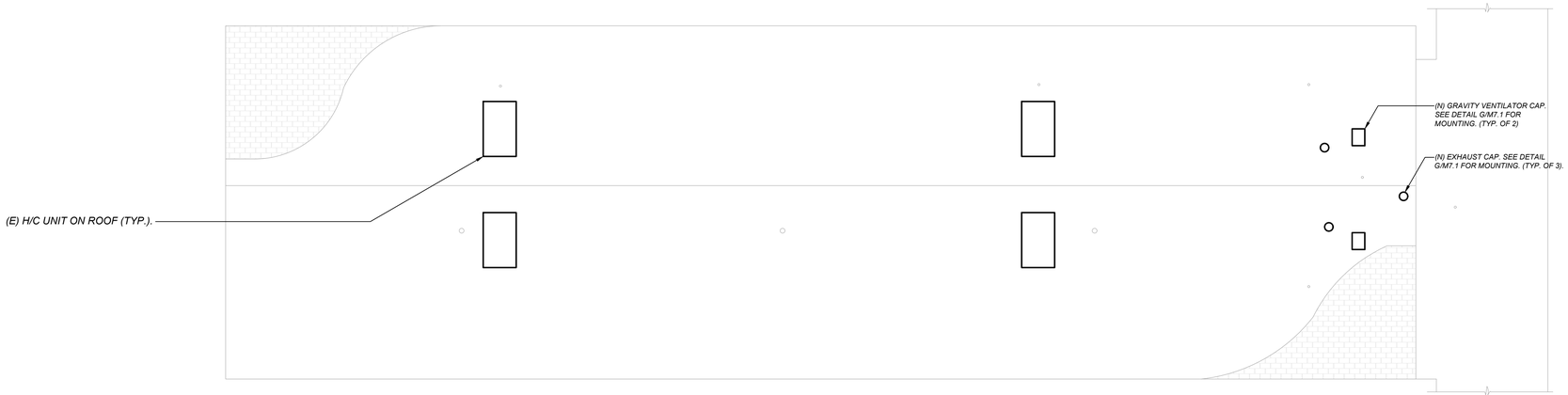
PROJECT 24043

23 October 2025 5:20 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\4 M\M3.1 BUILDING B - DEMO FLOOR AND FLOOR PLAN.dwg
kyle yong



BUILDING B
DEMOLITION ROOF PLAN

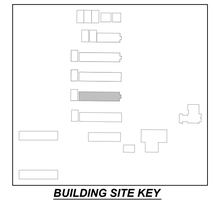
SCALE: 1/8" = 1'-0"



BUILDING B
ROOF PLAN

SCALE: 1/8" = 1'-0"

north



BUILDING SITE KEY

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MODERNIZATION AT MONROE ELEMENTARY SCHOOL

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(559) 627.1926 Fax

TITLE
BUILDING B
DEMO ROOF PLAN
ROOF PLAN

M3.2

PROJECT 24043

23 October 2025 5:20 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\4 M\M3.2 BUILDING B - DEMO ROOF AND ROOF PLAN.dwg kyle yong

APPROVALS

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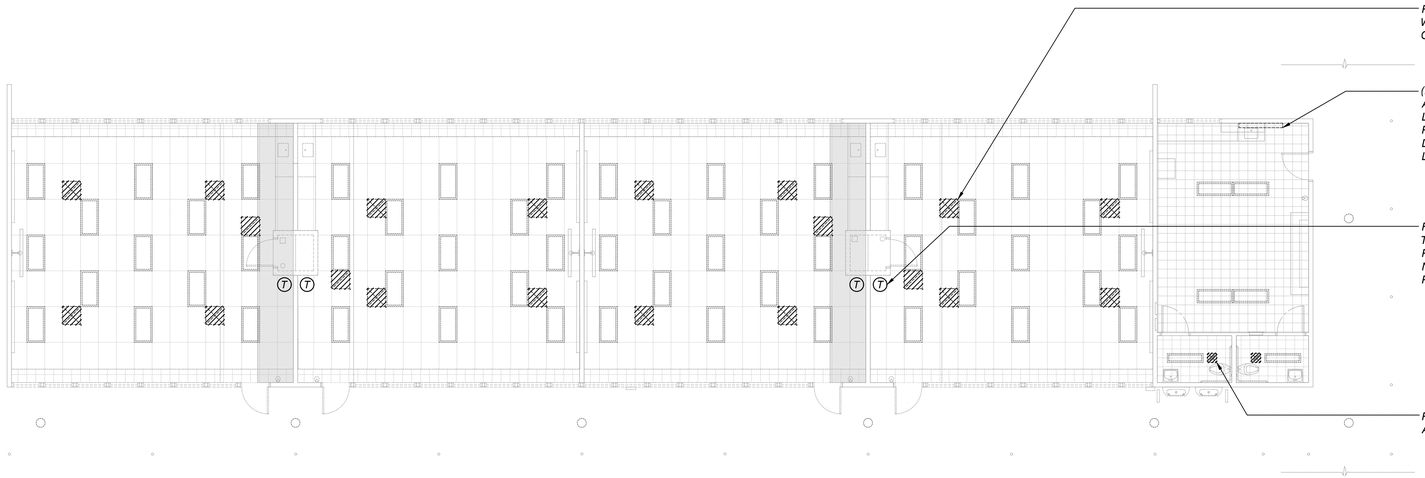
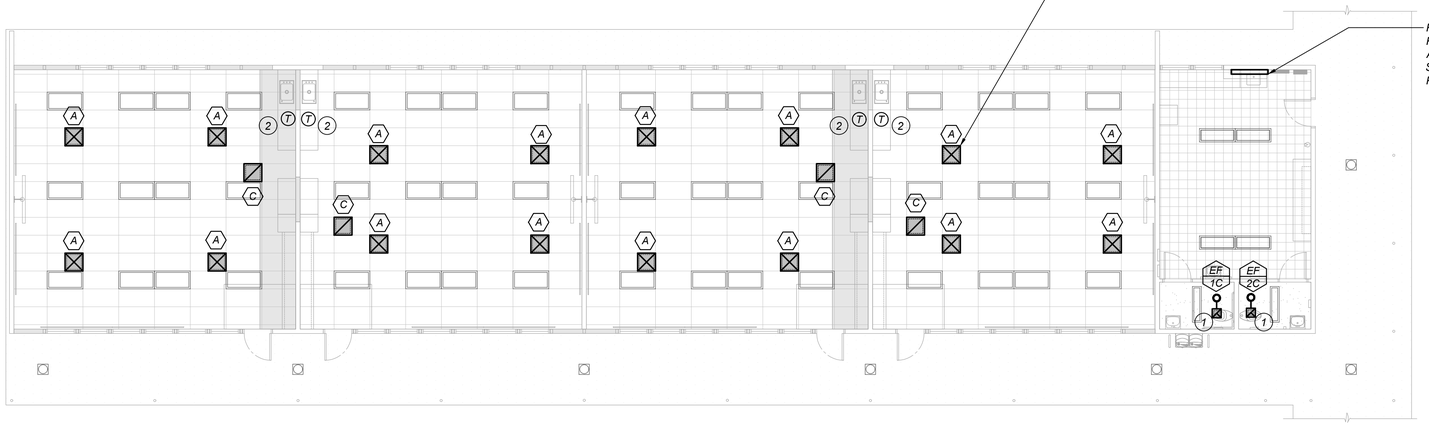


BUILDING C
DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"



KEYNOTES: (THIS SHEET ONLY)

1. *INSTALL (N) CEILING EXHAUST FAN, 8" Ø UP THRU ROOF. CONNECT TO ROOF CAP. SEE DETAIL A/M7.1 FOR CEILING EXHAUST FAN MOUNTING DETAIL.*
2. *NEW LOCATION OF (E) THERMOSTAT. REWIRE THERMOSTAT AS REQUIRED TO H/C UNIT.*

SHEET NOTES:

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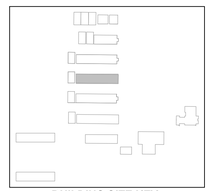
2.SEE DETAIL B/M7.1 FOR T-BAR GRILLE RESTRAINT DETAIL. (TYP.)



BUILDING SITE KEY

BUILDING C
FLOOR PLAN

SCALE: 1/8" = 1'-0"

north

REGISTERED PROFESSIONAL ENGINEER
BRYAN W. CARLSON
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24117

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-7636 Office
(559) 627-1926 Fax

TITLE
BUILDING C
DEMO FLOOR PLAN
FLOOR PLAN

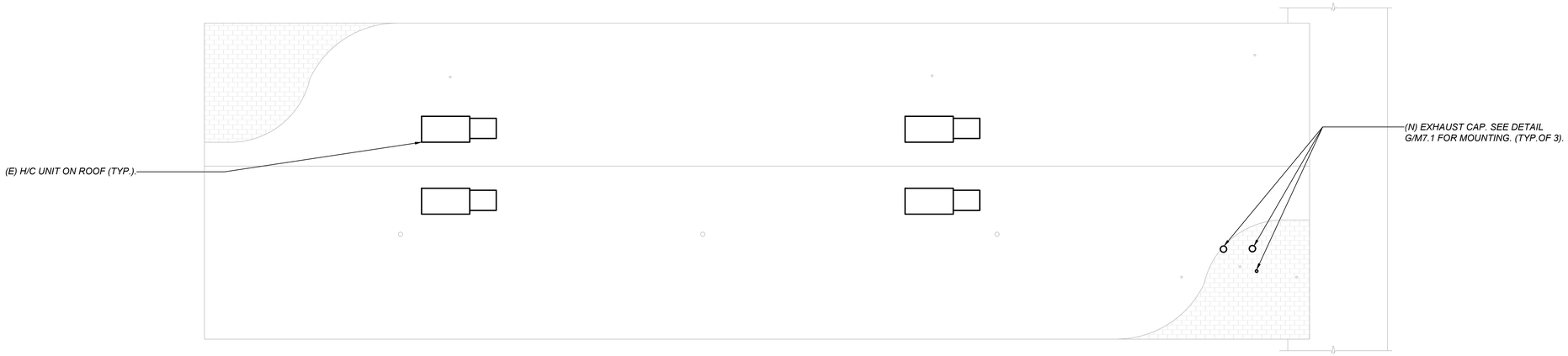
M4.1

PROJECT 24043

23 October 2025 5:20 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\4 M\M4.1 BUILDING C - DEMO FLOOR AND FLOOR PLAN.dwg kyle.yong

BUILDING C
DEMOLITION ROOF PLAN

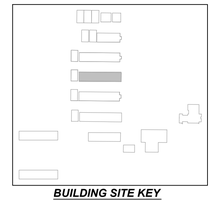
SCALE: 1/8" = 1'-0"



BUILDING C
ROOF PLAN

SCALE: 1/8" = 1'-0"

north



BUILDING SITE KEY

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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Visalia, California 93291
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(559) 627.0510 Office
(559) 627.1926 Fax

TITLE
BUILDING C
DEMO ROOF PLAN
ROOF PLAN

M4.2

PROJECT 24043

23 October 2025 5:20 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\4 M\M4.2 BUILDING C - DEMO ROOF AND ROOF PLAN.dwg kyle yong

APPROVALS

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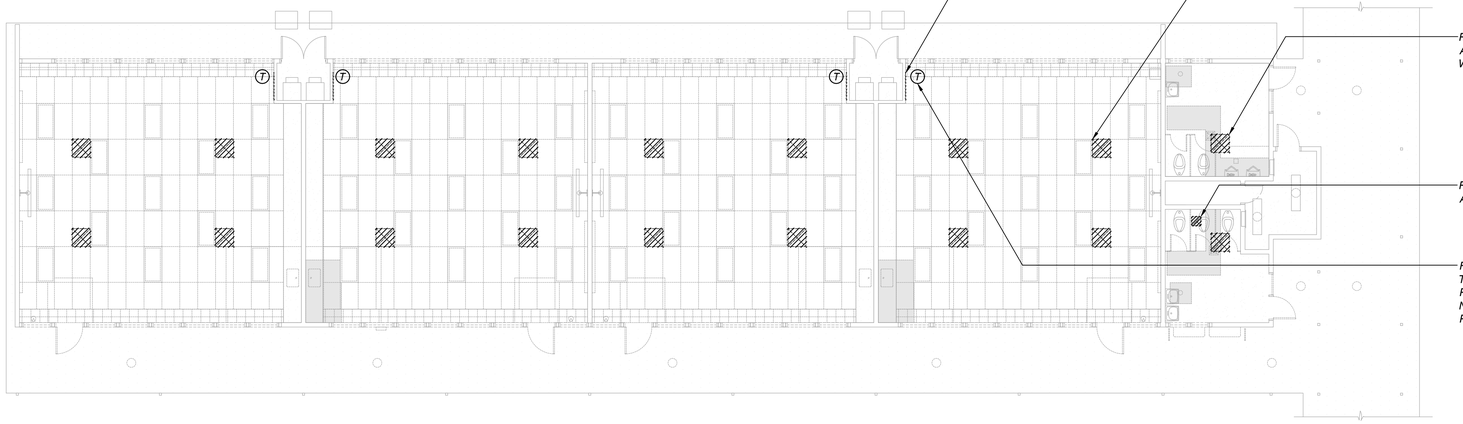


REMOVE (E) SIDE WALL RETURN GRILLE (E) DUCT WORK TO REMAIN. (TYP. OF ALL CLASSROOMS).

REMOVE (E) GRILLES (E) DUCT WORK TO REMAIN. (TYP. OF ALL CLASSROOMS).

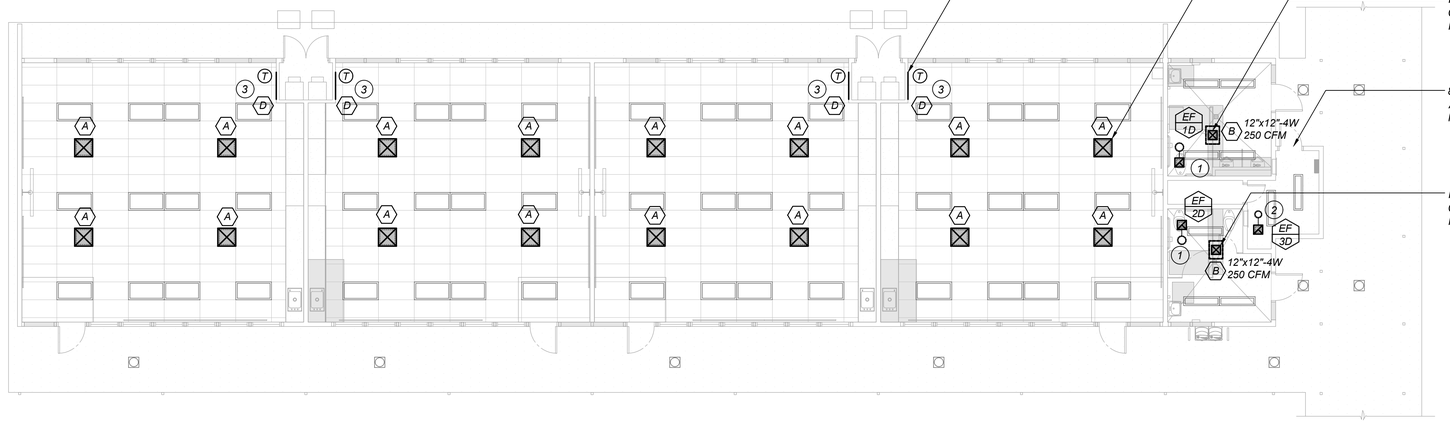
REMOVE (E) OUTSIDE AIR GRILLES AND ALL ASSOCIATED DUCT WORK. (TYP. OF 2).

REMOVE (E) CEILING EXHAUST FAN AND ALL ASSOCIATED DUCT WORK.

FIELD VERIFY LOCATION OF (E) THERMOSTAT. REMOVE (E) THERMOSTAT PROTECT FROM DAMAGE. REINSTALL IN NEW LOCATION AS SHOWN ON PROPOSED PLAN. (TYP. OF 4)

BUILDING D
DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"



FIELD VERIFY SIZE, MATCH AND INSTALL (N) SIDE WALL RETURN GRILLE AND RECONNECT TO (E) DUCT WORK. (TYP. OF ALL CLASSROOMS).

INSTALL (N) GRILLES AND RECONNECT TO (E) DUCT WORK. (TYP. OF ALL CLASSROOMS).

INSTALL (N) OSA TRANSFER GRILLE, CONNECT TO 10"Ø DUCT UP THRU ROOF TO GRAVITY VENTILATOR.

8"x12" DOOR LOUVER FOR MAKE-UP AIR. SEE ARCH SHEETS FOR FURTHER REQUIREMENTS.

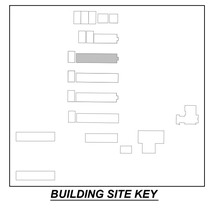
INSTALL (N) OSA TRANSFER GRILLE, CONNECT TO 10"Ø DUCT UP THRU ROOF TO GRAVITY VENTILATOR.

KEYNOTES: (THIS SHEET ONLY)

1. INSTALL (N) CEILING EXHAUST FAN, 10" Ø UP THRU ROOF. CONNECT TO ROOF CAP. SEE DETAIL A/M7.1 FOR CEILING EXHAUST FAN MOUNTING DETAIL.
2. INSTALL (N) CEILING EXHAUST FAN, 8" Ø UP THRU ROOF. CONNECT TO ROOF CAP. SEE DETAIL A/M7.1 FOR CEILING EXHAUST FAN MOUNTING DETAIL.
3. NEW LOCATION OF (E) THERMOSTAT. REWIRE THERMOSTAT AS REQUIRED TO H/C UNIT.

SHEET NOTES:

1. SEE DETAIL C/M7.1 FOR SURFACE MOUNT GRILLE RESTRAINT DETAIL. (TYP.)
2. SEE DETAIL B/M7.1 FOR T-BAR GRILLE RESTRAINT DETAIL. (TYP.)
3. SEE DETAIL H/M7.1 FOR DUCT THRU ROOF DETAIL. (TYP.)



BUILDING SITE KEY

BUILDING D
FLOOR PLAN

SCALE: 1/8" = 1'-0"

north

REGISTERED PROFESSIONAL ENGINEER
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MECHANICAL
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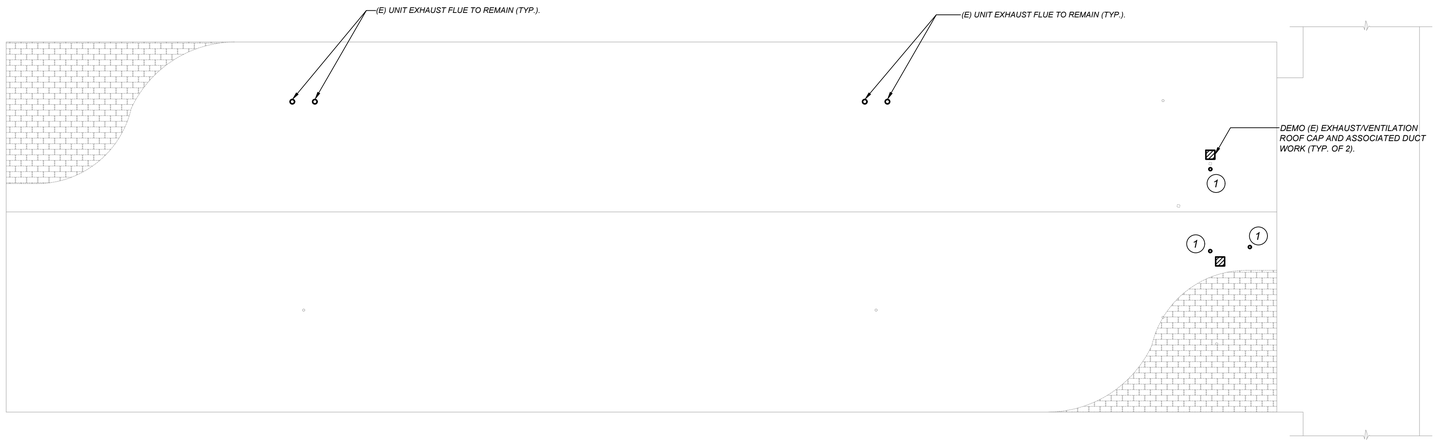
TITLE
BUILDING D
DEMO FLOOR PLAN
FLOOR PLAN

M5.1

PROJECT 24043

23 October 2025 5:21 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\4 M\M5.1 BUILDING D - DEMO FLOOR AND FLOOR PLAN.dwg kyle yung



BUILDING D
DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"

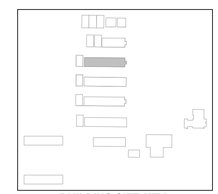
BUILDING D
ROOF PLAN

SCALE: 1/8" = 1'-0"

north

KEYNOTES: (THIS SHEET ONLY)

1. *DEMO (E) EXHAUST / VENTILATION ROOF CAP, REPLACE W/ NEW ROOF CAP SIMILAR TO (E).VERIFY SIZE PRIOR TO ORDERING. IF (E) ROOF CAP IS DISCOVERED TO BE ABANDONED,CONTACT MEOR FOR FURTHER INSTRUCTIONS.*



BUILDING SITE KEY

APPROVALS

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HANFORD ELEMENTARY SCHOOL DISTRICT
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TITLE
BUILDING D
DEMO ROOF PLAN
ROOF PLAN

M5.2

PROJECT 24043

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
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Fresno, CA 93727
FAX (559) 431-1362

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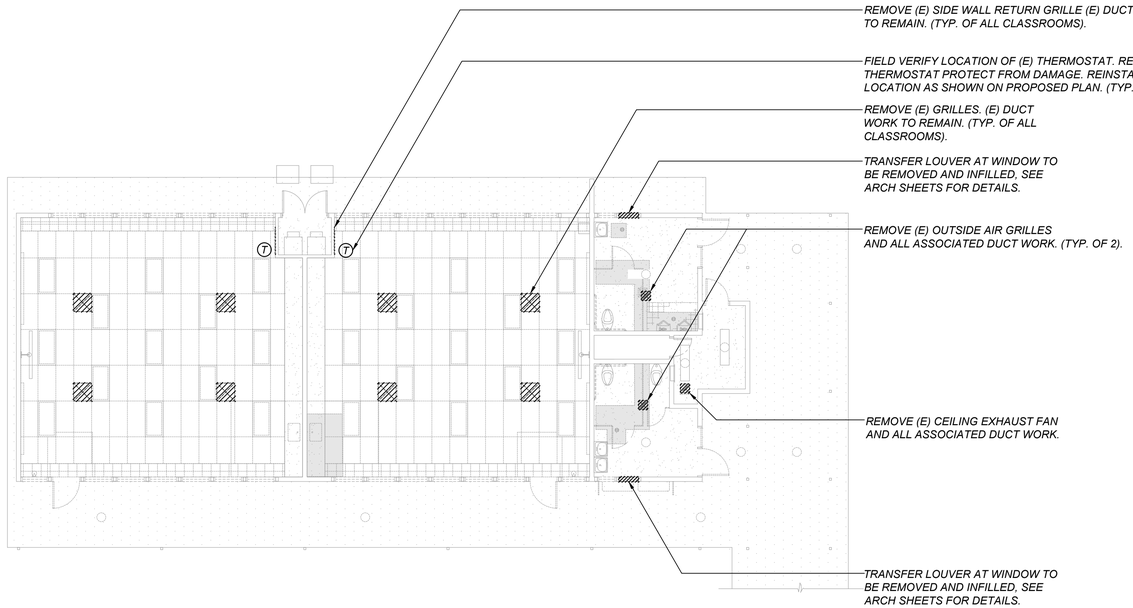

BUILDING E
DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"

BUILDING E
FLOOR PLAN

SCALE: 1/8" = 1'-0"

KEYNOTES: (THIS SHEET ONLY)

1. INSTALL (N) CEILING EXHAUST FAN, 10" Ø UP THRU ROOF. CONNECT TO ROOF CAP. SEE DETAIL A/M7.1 FOR CEILING EXHAUST FAN MOUNTING DETAIL.
2. INSTALL (N) CEILING EXHAUST FAN, 8" Ø UP THRU ROOF. CONNECT TO ROOF CAP. SEE DETAIL A/M7.1 FOR CEILING EXHAUST FAN MOUNTING DETAIL.
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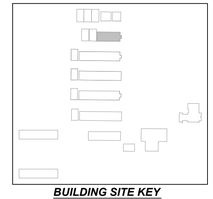
2. SEE DETAIL B/M7.1 FOR T-BAR GRILLE RESTRAINT DETAIL. (TYP.)
3. SEE DETAIL H/M7.1 FOR DUCT THRU ROOF DETAIL. (TYP.)



BUILDING SITE KEY

north

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-21128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

BRANDED PROFESSIONAL ENGINEER
BRIAN W. CARLSON
No. M34846
Exp. 6-30-26
MECHANICAL
STATE OF CALIFORNIA

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

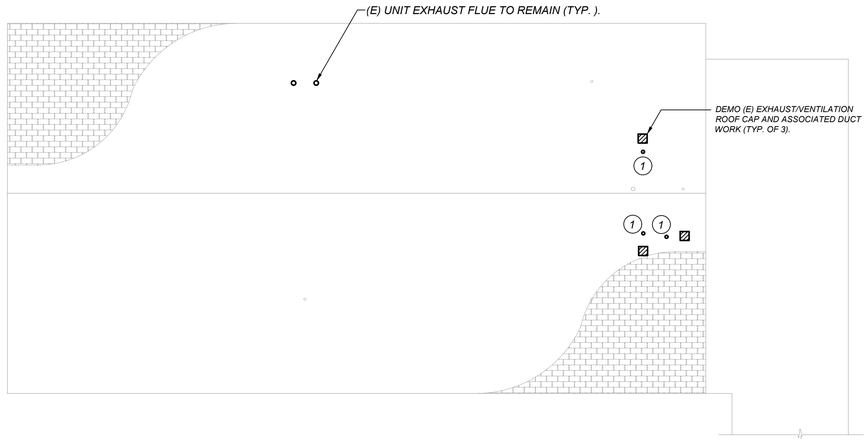
TITLE
BUILDING E
DEMO FLOOR PLAN
FLOOR PLAN

M6.1

PROJECT 24043

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
(559) 431-0101
24117
Fresno, CA 93727
FAX (559) 431-1362

23 October 2025 5:21 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\4 M\M6.1 BUILDING E - DEMO FLOOR AND FLOOR PLAN.dwg kyle yong



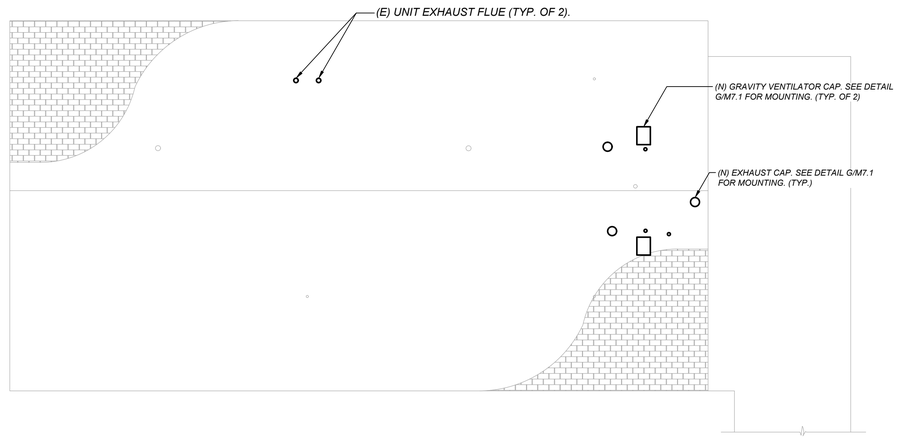
BUILDING E

DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"

KEYNOTES: (THIS SHEET ONLY)

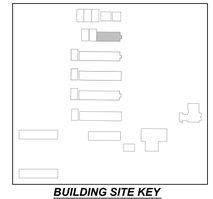
1. *DEMO (E) EXHAUST / VENTILATION ROOF CAP, REPLACE W/ NEW ROOF CAP SIMILAR TO (E).VERIFY SIZE PRIOR TO ORDERING. IF (E) ROOF CAP IS DISCOVERED TO BE ABANDONED,CONTACT MEOR FOR FURTHER INSTRUCTIONS.*



BUILDING E

ROOF PLAN

SCALE: 1/8" = 1'-0"



BUILDING SITE KEY

north

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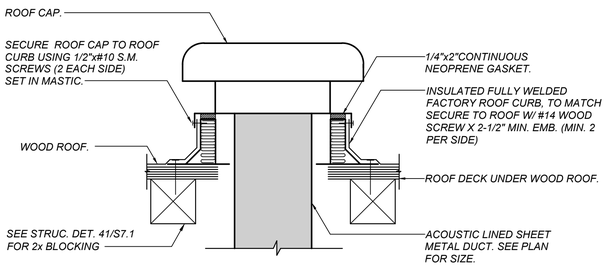
TITLE
BUILDING E
DEMO ROOF PLAN
ROOF PLAN

M6.2

PROJECT 24043

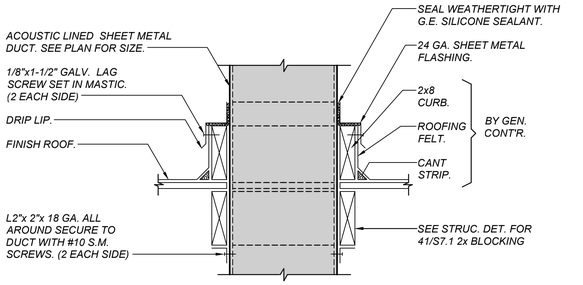
23 October 2025 5:21 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\4 M\M6.2 BUILDING E - DEMO ROOF AND ROOF PLAN.dwg kyle yong



EXHAUST AND GRAVITY VENTILATOR CAP DETAIL — G / M7.1

SCALE: NONE

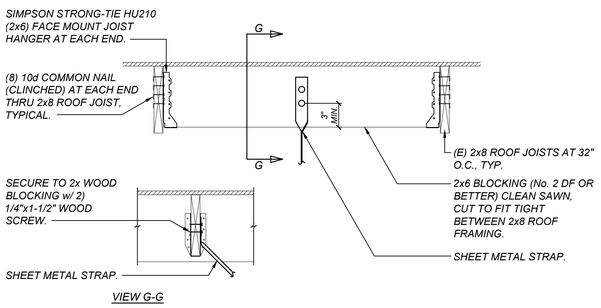
MM028



DUCT THRU ROOF DETAIL — H / M7.1

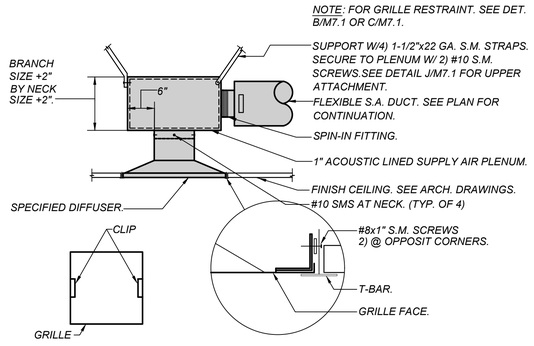
SCALE: NONE

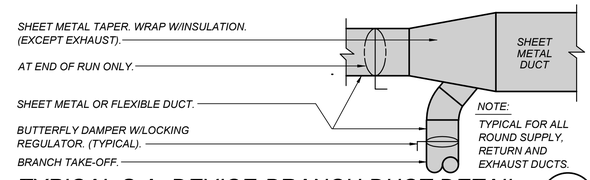
MD039



UPPER HANGER ATTACHMENT DETAIL — J / M7.1

SCALE: NONE

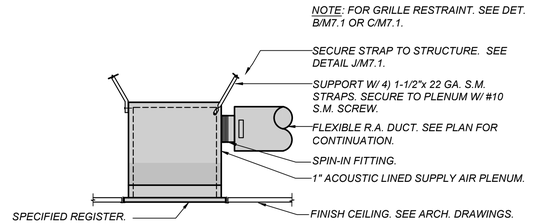


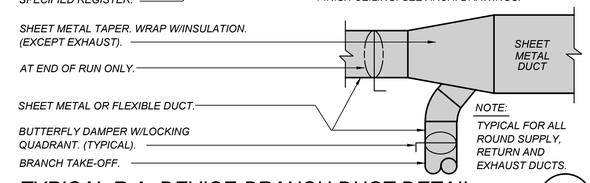


TYPICAL S.A. DEVICE-BRANCH DUCT DETAIL — D / M7.1

SCALE: NONE

MD001

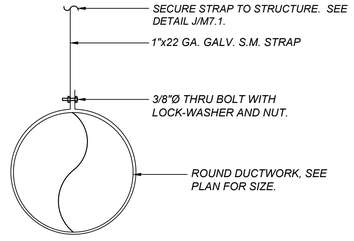




TYPICAL R.A. DEVICE-BRANCH DUCT DETAIL — E / M7.1

SCALE: NONE

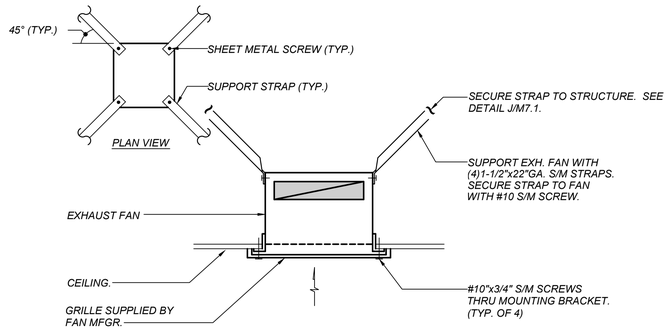
NOTES:
1. DUCT SUPPORTS SHALL BE 10'-0" O.C.
2. ALL DUCTS ARE 33"Ø OR SMALLER (6 FT2 CROSS SECTION) PER SMACNA - HVAC DUCT CONSTRUCTION STANDARDS, FIGURE 5-5.
3. ALL ROUND DUCT DO NOT REQUIRE SEISMIC BRACING PER CBC 1617A.1.25.2. REFER TO ROUND DUCT SEISMIC REGULATIONS FOR ADDITIONAL DETAIL.



DUCT HANGING DETAIL — F / M7.1

SCALE: NONE

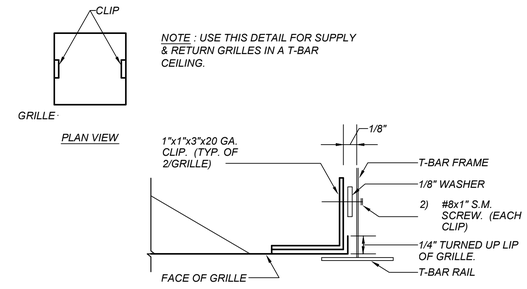
MD124



CEILING EXHAUST FAN MOUNTING DETAIL — A / M7.1

SCALE: NONE

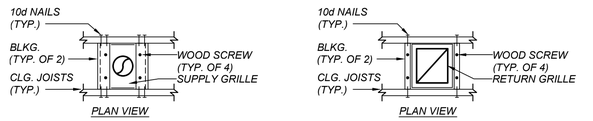
MM012

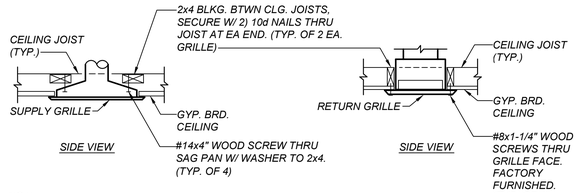


T-BAR GRILLE RESTRAINT DETAIL — B / M7.1

SCALE: NONE

MD090





NOTE:
USE THIS DETAIL FOR SUPPLY & RETURN GRILLES IN A GYP. BOARD CEILING.

SURFACE MOUNT GRILLE RESTRAINT DETAIL — C / M7.1

SCALE: NONE

MD107

APPROVALS

FILE # 16-14 — APPLICATION # 02-123247

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SS ☑ FLS ☑ ACS ☑
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LICENSED ARCHITECT — JAMES R. MORRELL — No. C-31128 — REN. 05-31-27 — STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
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(559) 627-0530 Office
(559) 627-1926 Fax

TITLE: MECHANICAL DETAILS

M7.1

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER — BRYAN W. CAMPBELL — No. M34846 — Exp. 6-30-26 — MECHANICAL — STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
(559) 431-0101
24117
Fresno, CA 93727
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23 October 2025 5:21 PM P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\4 M\M7.1 MECHANICAL DETAILS.dwg kyle yong

P:\2024\24117 Hanford USD - Modernization at Monroe Elementary School\4-Drawings\4 M\M7.1 MECHANICAL DETAILS.dwg Oct 23 2025 5:21pm

GENERAL NOTES:

1. THE INTENT OF THE DRAWING AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE 2022 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. CHANGES TO THE STRUCTURAL, ACCESSIBILITY OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT AS REQUIRED IN SECTION 4-338, PART 1, TITLE 24, CCR, AND SHALL BE SUBMITTED TO AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATION IR A-6.
2. LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE HVAC BUILDING PLANS HAVE BEEN PREPARED TO MATCH THE ARCHITECTURAL PLANS. IF DIFFERENCES OCCUR, THE ARCHITECTURAL PLANS ARE TO TAKE PRECEDENCE. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK, TO AVOID ALL INTERFERENCE WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL, OR OTHER ELEMENTS. ALL DUCT AND PIPE OFFSET ELBOWS FOR COORDINATION BETWEEN TRADES ARE NOT SHOWN. CONTRACTOR SHALL INCLUDE SUFFICIENT FUNDS FOR THE COORDINATION OFFSETS IN THE BID. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
3. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER-DRIVEN PINS IN EXISTING NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
4. MEP COMPONENT ANCHORAGE NOTE:

   ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

   1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
   2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
   3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

   THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

   A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
   B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

   THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

5. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

   PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, 1617A.1.26.

   THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. PRIOR TO CONSTRUCTION THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT ALL HANGER AND BRACE LOADS. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

   MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP):

   MP☒ MD☒ PP☐ OPTION 1: PROJECT-SPECIFIC DESIGN

   MP☐ MD☐ PP☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

   MP☐ MD☐ PP☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

6. PENETRATIONS THROUGH FIRE RATED WALLS, FLOOR/CEILING, AND ROOF/CEILING ASSEMBLIES SHALL BE SEALED USING AN APPROVED SYSTEM CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC TO FIRE STOPS PER 2022 CBC SECTION 714. THIS INCLUDES EXISTING PIPE AND CONDUIT THROUGH NEW ASSEMBLIES. CUSTOM DESIGNED SYSTEMS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVED SYSTEMS BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY WILL NOT BE ACCEPTABLE. FOR FIRE STOPS FOR PIPE PENETRATIONS SEE SPECIFICATIONS.
7. DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. WHERE ACOUSTIC LINING IS SHOWN, INCREASE EACH SHEET METAL DIMENSION TO ACCOMMODATE LINING & MAINTAIN CLEAR INSIDE DUCT DIMENSIONS SHOWN.
8. SA DUCTWORK SHALL BE 1" PRESSURE CLASS, AND RA & EA DUCTWORK SHALL 1" PRESSURE CLASS UNLESS OTHERWISE NOTED.
9. ALL DIFFUSERS ARE 4-WAY DISTRIBUTION UNLESS OTHERWISE NOTED ON THE PLANS.
10. A DSA CERTIFIED PROJECT INSPECTOR (CLASS 2) EMPLOYED BY THE DISTRICT & APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-338, PART 1, TITLE 24, CCR.
11. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

AIR CONDITIONING LEGEND

SYMBOL	ITEM	ABBR
	ROUND DUCT	Ø
	FLAT OVAL DUCT	
	SHEET METAL DUCT	—
	ACOUSTIC LINING FOR DUCT OR GRILLES	(L)
	DUCT W/EXT INSULATION & GALV. SM SUNSHIELD	—
	SUPPLY AIR DUCT DROP	—
	RETURN AIR DUCT DROP	—
	EXHAUST DUCT AIR DROP	—
	SUPPLY AIR DUCT RISE	—
	RETURN AIR DUCT RISE	—
	EXHAUST AIR DUCT RISE	—
	TURNING VANES	TV
	EXTRACTOR	—
	VOLUME CONTROL DAMPER W/LOCKING QUADRANT	VCD
	OPPOSED BLADE DAMPER	OBD
	BACKDRAFT DAMPER	BDD
	VOLUME CONTROL DAMPER W/ REMOTE REGULATOR	VCR
& ■	FIRE/SMOKE DAMPER WITH ACCESS PANEL	F/SD
& ▲	FIRE DAMPER WITH ACCESS PANEL	FD
& ◆	SMOKE DAMPER WITH ACCESS PANEL	SD
CFM	CUBIC FEET OF AIR PER MINUTE	CFM
M	EMS MOTORIZED DUCT DAMPER/ PIPE VALVE ACTUATOR	—
T	THERMOSTAT @ +4'-0" TOP OF BOX	T'STAT
H	HUMIDISTAT @ +4'-0" TOP OF BOX	H'STAT
C	CO_2 SENSOR @ +4'-0" TOP OF BOX	CO_2
T	EMS TEMPERATURE SENSOR @ +4'-0" TOP OF BOX	—
H	EMS HUMIDITY SENSOR @ +4'-0" TOP OF BOX	—
C	EMS CO_2 SENSOR @ +4'-0" TOP OF BOX	CO_2
SP	EMS STATIC PRESSURE SENSOR	SP
DP	EMS DIFFERENTIAL PRESSURE SENSOR	DP
CS	EMS CURRENT SENSOR	CS
	DIRECTION OF FLOW	—
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	PIPE/DUCT TURN DOWN	—
	PIPE/DUCT TURN UP	—
	POINT OF CONNECTION	POC
	EXISTING (DESIGNATED)	(E)
	NEW (DESIGNATED)	(N)
SD	DUCT SMOKE DETECTOR	SD
A/V	AUDIBLE/VISUAL ALARM	A/VA
	BYPASS TIMER	BPT
EMS	ENERGY MANAGEMENT SYSTEM CABLE IN CONDUIT	EMS

EXHAUST FAN SCHEDULE

DESIGNATION	EF 1A - EF 4A	EF 1A1 - EF 2A1	EF 3A1	EF 1B - EF 2B	EF 3B	EF 1C - EF 2C	EF 1D - EF 2D	EF 3D	EF 1E - EF 2E	EF 3E
CFM	100	300	100	300	100	100	300	100	300	100
EXT. S.P. (IN. WC)	0.281	0.39	0.281	0.39	0.281	0.281	0.39	0.281	0.39	0.281
HP / BHP	- / 0.04	- / 0.07	- / 0.04	- / 0.07	- / 0.04	- / 0.04	- / 0.07	- / 0.04	- / 0.07	- / 0.04
VOLTS / PHASE	115 / 1	115 / 1	115 / 1	115 / 1	115 / 1	115 / 1	115 / 1	115 / 1	115 / 1	115 / 1
MCA / MOP (AMPS)	1.4 / 15	1.8 / 15	1.4 / 15	1.8 / 15	1.4 / 15	1.4 / 15	1.8 / 15	1.4 / 15	1.8 / 15	1.4 / 15
FLA (AMPS)	1.15	1.42	1.15	1.42	1.15	1.15	1.42	1.15	1.42	1.15
RPM	950	1350	950	1350	950	950	1350	950	1350	950
TIP SPEED/ SONES	- / 2	- / 5	- / 2	- / 5	- / 2	- / 2	- / 5	- / 2	- / 5	- / 2
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
MOUNTING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
TYPE	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING
MODEL NUMBER	SP-B110	SP-A390	SP-B110	SP-A390	SP-B110	SP-B110	SP-A390	SP-B110	SP-A390	SP-B110
CONTROL	I.L. W / LIGHTS	TIME CLOCK	I.L. W / LIGHTS	TIME CLOCK	I.L. W / LIGHTS	I.L. W / LIGHTS	TIME CLOCK	I.L. W / LIGHTS	TIME CLOCK	I.L. W / LIGHTS
LOCATION	BUILDING A	BUILDING A1	BUILDING A1	BUILDING B	BUILDING B	BUILDING C	BUILDING D	BUILDING D	BUILDING E	BUILDING E
OPER. WT. (LBS)	20	35	20	35	20	20	35	20	35	20
ACCESSORIES	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2

1 . INTERGRATED BACK DRAFT DAMPER
2. PITCHED ROOF CAP

GRILLE SCHEDULE

MARK	DUTY	DESCRIPTION
A	CEILING SUPPLY	TITUS TDC (TYPE 3) LOUVER FACE SQUARE OR RECTANGULAR NECK DIFFUSER FOR STD. LAY-IN CEILING, AND NO. 26 OFF-WHITE FINISH. (18"X18" NECK ADAPTER SIZE SHOWN).
B	CEILING SUPPLY	TITUS TDC (TYPE 1) LOUVER FACE SQUARE OR RECTANGULAR NECK DIFFUSER FOR SURFACE MOUNTING. NO. 26 OFF-WHITE FINISH.
C	CEILING RETURN	TITUS CORE 50F (TYPE 3) ALUMINUM EGG CRATE REGISTER WITH 1/2" x 1/2" GRID, FOR LAY-IN CEILING. NO. 26 OFF-WHITE FINISH.
D	WALL RETURN	TITUS MODEL 56FL (TYPE 1) STEEL RETURN REGISTER, , AND NO. 26 OFF-WHITE FINISH.

ROUND DUCT SEISMIC REGULATIONS

24 GA. (LBS/SQFT)	1.156	**HANGER SPACING: 10' O.C.**
22 GA. (LBS/SQFT)	1.406	

DUCT DIAM. (IN.)	GALV. METAL GA.	CROSS-SECTIONAL AREA (SQFT)	GALV. METAL LBS/FT
6"	24	0.20	2.0
8"	24	0.35	2.8
10"	24	0.55	3.1
12"	24	0.79	4.1
14"	24	1.07	4.8
16"	24	1.40	5.5
18"	24	1.77	6.1
20"	24	2.18	6.8
22"	22	2.64	9.1
24"	22	3.14	9.9

NOTES:
1 . CROSS-SECTIONAL AREA FOR ALL DUCTS IS LESS THAN 6 SQ.FT.
2 . ALL DUCTS ARE LESS THAN 20 LBS PER LINEAL FOOT.
3 . THE SEPARATION DISTANCE BETWEEN AN UNBRACED COMPONENT AND BRACED ELEMENTS OR COMPONENTS SHALL BE BASED ON A MINIMUM HORIZONTAL DISTANCE OF 12 INCHES. WHEN ADJACENT COMPONENTS ARE ALSO UNBRACED, THIS SEPARATION SHALL BE INCREASED TO A MINIMUM OF 18 INCHES.

APPROVALS
FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT JAMES R. MORRELL No. C-31128 REN. 05-31-27 STATE OF CALIFORNIA
DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

BRANDON W. GARRISON No. M34846 Exp. 6-30-26 REGISTERED PROFESSIONAL ENGINEER MECHANICAL STATE OF CALIFORNIA

LAWRENCE ENGINEERING GROUP
4910 E. Clinton Way, Suite 101 (559) 431-0101 24117 Fresno, CA 93727 FAX (559) 431-1362

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
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(559) 627.0510 Office
(559) 627.1926 Fax

TITLE
MECHANICAL SCHEDULES

M8.1

PROJECT 24043

ELECTRICAL SYMBOLS NOTES:

(A) REFER TO FIRE ALARM DEVICES ELEVATION, DETAIL #2/E7.6 FOR RESPECTIVE MOUNTING HEIGHTS.

(B) AT EXTERIOR LOCATIONS, PROVIDE WEATHER-RESISTANT/TAMPER-RESISTANT G.F.C.I. DUPLEX RECEPTACLES, LEVITON #G5362-WTW OR EQUAL. AT DAMP LOCATIONS, PROVIDE A DIECAST WEATHERPROOF LOCKABLE COVER, RACO #5028-0 OR EQUAL. AT WET LOCATIONS, PROVIDE A DIECAST WEATHERPROOF 'WHILE-IN-USE' LOCKABLE COVER, EXTRA-DUTY RATED, RED DOT #CKSUV OR EQUAL.

(C) DUPLEX RECEPTACLE SHALL HAVE PRINTED WORDING 'CONTROLLED' AND THE SPECIFIC SYMBOL ⏻ ON THE FACE OF THE RECEPTACLE. LEVITON #5362-2PE OR EQUAL.

(D) ACUITY CONTROLS #CAT 5e * .J1 OR EQUAL. * ASTERISK INDICATES LENGTH OF CABLE. CABLES ARE AVAILABLE IN 6', 1, 2, 5, 10, 15, 30', AND 50' LENGTHS.

(E) 'nLIGHT' ENABLED LIGHT FIXTURE PER FIXTURE SCHEDULE ON SHEET #EG1.2.

(F) ACUITY CONTROLS #WSD-PDT-WH OR EQUAL. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.

(G) ACUITY CONTROLS #nWSXA-PDT-LV-DX-WH OR EQUAL. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.

(H) ACUITY CONTROLS #nPODMA-DX-WH OR EQUAL. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.

(J) ACUITY CONTROLS #nPODMA-2P-DX-WH OR EQUAL. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.

(K) ACUITY CONTROLS #nPODMA-4P-DX-WH OR EQUAL. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.

(L) ACUITY CONTROLS #nPP20-PL OR EQUAL. CONNECT TO THE SAME 120V 'UNSWITCHED' RECEPTACLE CIRCUIT, AS THE POWER/RELAY PACK CONTROLS.

(M) ACUITY CONTROLS #nPP16 OR EQUAL.

(N) ACUITY CONTROLS #nCM-PDT-10-RJB OR EQUAL.

(P) ACUITY CONTROLS #nCM-PDT-10-ADCX-RJB OR EQUAL.

(Q) ACUITY CONTROLS #nPODMA-WH OR EQUAL. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.

(R) ACUITY CONTROLS #nPOD-A-KEY-WH. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.

FIXTURE SCHEDULE

FIXTURE SYMBOL (3-A-48): 3 = CIRCUIT NUMBER, A = FIXTURE TYPE, 48 = FIXTURE WATTAGE

TYPE	WATTS	LAMPS	VOLT	MANUFACTURER	CATALOG NO.	MOUNT	NOTES	APPROX. WEIGHT #
A	48	L.E.D.	120-277V	LITHONIA	2BLT4-60L-ADPT-EZ1-LP840-N100-LATC	FLUSH T-BAR	PER #1/E10.2	23
B	45	L.E.D.		LITHONIA	STL4-48L-EZ1-LP840-N100	SURFACE	PER #2/E10.2	13
C	27	L.E.D.		LITHONIA	STL4-30L-EZ1-LP840-N100	SURFACE	PER #2/E10.2	13
DE	25	L.E.D.		GOTHAM	EVO6-40/25-AR-WD-LSS-MVOLT-GZ10-E10WCP	RECESSED	PER #4/E10.2 (1)	9
E	23	L.E.D.		LITHONIA	WDGE2-LED-P3SW-40K-80CRI-VF-MVOLT-SRM-PIR-DBLXD	WALL +7'-0" A.F.F.		20
EL	5	L.E.D.	120-277V	LITHONIA	ELM6L-UVOLT-LTP-SDRT	SURFACE		5
XL	5	L.E.D.	120-277V	LITHONIA	LHQM LED R M6	SURFACE	SINGLE FACE EXIT/UNIT COMBO RED LETTERS, WHITE	5

FIXTURE SCHEDULE NOTES:

(1) LIGHT FIXTURE SHALL BE EQUIPPED WITH AN EMERGENCY BATTERY PACK TO OPERATE THE L.E.D. DRIVER AT 10 WATTS OF CONSTANT POWER IN THE EMERGENCY MODE FOR A MINIMUM OF 90 MINUTES. PULL UNSWITCHED CIRCUIT TO EMERGENCY BATTERY PACK. REFER TO LIGHTING PLANS FOR EXACT LOCATIONS AND DETAIL PER #3/E10.2 FOR WIRING REQUIREMENTS.

ELECTRICAL SYMBOLS
ALL DIMENSIONS TO CENTER OF BOX, U.O.N.

3-	CIRCUIT NUMBER (3-A-48)
-A-	FIXTURE TYPE (3-A-48)
-48	FIXTURE WATTAGE (3-A-48)
	HOME RUN 3/4"C - MIN. (PANEL A, CIRCUIT #3)
	CONDUIT RUN IN WALL OR ATTIC (1/2"C - 2 #12 AWG THWN + 1 #12 GND)
	CONDUIT RUN IN FLOOR OR UG (1/2"C - 2 #12 AWG THWN + 1 #12 GND)
	ANY CONDUIT RUN - 1/2"C - 3 #12 AWG THWN + 1 #12 GND
	" " - 3/4"C - 4 #12 AWG THWN + 1 #12 GND
	" " - 3/4"C - 5 #12 AWG THWN + 1 #12 GND
	" " - 1"C - 6 #12 AWG THWN + 1 #12 GND
	CONDUIT STUB - CAPPED AND LABELED.
1	ELECTRICAL KEYNOTE #1, REFER TO NOTES ON SAME SHEET.
U.O.N.	UNLESS OTHERWISE NOTED
W.P.	WEATHERPROOF
PDZ	DENOTES BOUNDARY OF PRIMARY DAYLIT ZONE.
SDZ	DENOTES BOUNDARY OF SECONDARY DAYLIT ZONE.
	TERMINAL CABINET (SIZE AS SHOWN)
	ELECTRICAL PANELBOARD
	TAMPER-RESISTANT DUPLEX RECEPTACLE IN WALL (+15" MIN. TO BOTTOM OF BOX)
	TAMPER-RESISTANT QUADRUPLEX RECEPTACLE IN WALL (+15" MIN. TO BOTTOM OF BOX)
(B)	TAMPER-RESISTANT G.F.C.I. DUPLEX RECEPTACLE IN WALL (+15" MIN. TO BOTTOM OF BOX)
(C)	'CONTROLLED' DUPLEX RECEPTACLE IN WALL (+15" MIN. TO BOTTOM OF BOX)
	EMERGENCY LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE AND EXIT LIGHT COMBO, CEILING MOUNTED
	WALL MOUNTED LIGHT FIXTURE (MOUNT AS SHOWN)
	CEILING MOUNTED LIGHT FIXTURE
	RECESSED MOUNTED LIGHT FIXTURE IN CEILING
	RECESSED MOUNTED 'NIGHT' LIGHT FIXTURE IN CEILING (DUSK TO DAWN)
	LIGHT FIXTURE
(D)	NETWORK CABLE - CATEGORY 5e CABLE, LENGTH AS REQUIRED
(E)	LIGHT FIXTURE WITH 'nLIGHT' EMBEDDED CONTROLS
EM	RECESSED MOUNTED LIGHT FIXTURE EQUIPPED WITH EMERGENCY BATTERY PACK
$	LIGHT SWITCH (+4'-0" MAX. TO TOP OF BOX, U.O.N.)
(F) S	OCCUPANCY SENSOR WALL SWITCH, LINE VOLTAGE (+4'-0" MAX. TO TOP OF BOX, U.O.N.)
(G) 00	OCCUPANCY SENSOR WALL SWITCH (DUAL TECHNOLOGY) WITH ON/OFF SWITCH AND RAISE/LOWER DIMMING CONTROL, (+4'-0" MAX. TO TOP OF BOX, U.O.N.)
(H) D	ON/OFF SWITCH WITH RAISE/LOWER DIMMING CONTROL (+4'-0" MAX. TO TOP OF BOX, U.O.N.)
(J) D2	ON/OFF SWITCH WITH RAISE/LOWER DIMMING CONTROL (TWO CHANNELS) (+4'-0" MAX. TO TOP OF BOX, U.O.N.)
(K) D4	ON/OFF SWITCH WITH RAISE/LOWER DIMMING CONTROL (FOUR CHANNELS) (+4'-0" MAX. TO TOP OF BOX, U.O.N.)
(L) PPR	LOW VOLTAGE POWER/RELAY PACK FOR RECEPTACLE CONTROLS MOUNTED IN ACCESSIBLE ATTIC SPACE, U.O.N.
(M) PP	LOW VOLTAGE POWER/RELAY PACK FOR LIGHTING CONTROLS MOUNTED IN ACCESSIBLE ATTIC SPACE, U.O.N.
(N) OS	360° OCCUPANCY SENSOR (DUAL TECHNOLOGY), CEILING MOUNTED
(P) OSP	360° OCCUPANCY SENSOR (DUAL TECHNOLOGY) WITH AUTOMATIC DIMMING CONTROL PHOTOCELL, CEILING MOUNTED
(Q) S	ON/OFF SWITCH (+4'-0" MAX. TO TOP OF BOX, U.O.N.)
(R) SK	ON/OFF DIGITAL KEYSWITCH WITH RAISE/LOWER DIMMING CONTROL (+4'-0" MAX. TO TOP OF BOX, U.O.N.)
	JUNCTION BOX EQUIPPED WITH BLANK COVER
	JUNCTION BOX EQUIPPED WITH BLANK COVER AND FLEX CONNECTION
	COMBINATION HEAVY-DUTY FUSED SAFETY SWITCH/MAGNETIC STARTER
	MOTOR
	HEAVY-DUTY FUSED SAFETY SWITCH
SD	ADDRESSABLE SMOKE DETECTOR MOUNTED ON CEILING
SD ISO	ADDRESSABLE SMOKE DETECTOR, WITH ISOLATOR BASE, MOUNTED ON CEILING
CO	ADDRESSABLE SMOKE/CARBON MONOXIDE DETECTOR, MOUNTED ON CEILING
HD	ADDRESSABLE HEAT DETECTOR MOUNTED ON CEILING
HD	HEAT DETECTOR MOUNTED IN ATTIC
MM	ADDRESSABLE MONITOR MODULE
DMM	ADDRESSABLE DUAL MONITOR MODULE
RM	ADDRESSABLE RELAY MODULE
ISO	FAULT ISOLATOR MODULE
F	ADDRESSABLE MANUAL PULL STATION
(A) V 75	FIRE ALARM VISUAL STROBE, 75 CANDELA, (CEILING MOUNTED)
(A) SV 15	FIRE ALARM SPEAKER/15 CANDELA VISUAL STROBE (WALL MOUNTED)
(A) SV 30	FIRE ALARM SPEAKER/30 CANDELA VISUAL STROBE (CEILING MOUNTED)
SP W.P.	FIRE ALARM EXTERIOR SPEAKER IN WALL
SP	FIRE ALARM SPEAKER (CEILING MOUNTED)
WF	WATERFLOW SWITCH AT FIRE SPRINKLER RISER
TS	TAMPER SWITCH AT FIRE DEPT. CONNECTION 'F.D.C.'
B	ELECTRIC BELL (FOR FIRE SPRINKLER RISER)
FSD	FIRE/SMOKE DAMPER BY DIVISION 23
E, (E)	SUBSCRIPT DENOTES EXISTING SHALL REMAIN
R, (R)	SUBSCRIPT DENOTES EXISTING SHALL BE REMOVED
— EP —	DENOTES EXISTING FEEDER, BRANCH CIRCUITING AND/OR HOMERUN SHALL REMAIN
— ER —	DENOTES EXISTING FEEDER, BRANCH CIRCUITING AND/OR HOMERUN SHALL BE REMOVED

DIVISION OF THE STATE ARCHITECT APPLICABLE CODES AND STANDARDS

CODES:

2025 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

2022 CALIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE, VOLUMES 1 AND 2 WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.C.R. (2020 NFPA 70 NATIONAL ELECTRICAL CODE WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.C.R. (2021 UNIFORM MECHANICAL CODE WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA PLUMBING CODE (C.P.C.), PART 5, TITLE 24 C.C.R. (2021 UNIFORM PLUMBING CODE WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ENERGY CODE (CEnC), PART 6, TITLE 24 C.C.R.

2022 CALIFORNIA FIRE CODE (C.F.C.), PART 9, TITLE 24 C.C.R. (2021 INTERNATIONAL FIRE CODE WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA REFERENCED STANDARDS CODE (C.R.S.C.), PART 12, TITLE 24 C.C.R.

TITLE 19, C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

STANDARDS AND GUIDES:

NFPA 72 - NATIONAL FIRE ALARM CODE, 2022 EDITION (CALIFORNIA AMENDED)

NFPA 720 - STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE (CO) DETECTION WARNING EQUIPMENT, 2015 EDITION

ADAAG - AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES

UL 38 - MANUAL ACTUATED SIGNALING BOXES, 2005 EDITION

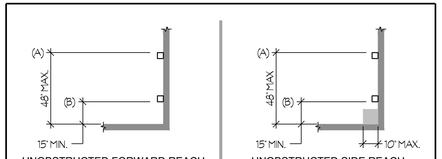
UL 268 - SMOKE DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2009 EDITION

UL 268A - SMOKE DETECTORS FOR DUCT APPLICATIONS, 2009 EDITION

UL 464 - AUDIBLE SIGNAL APPLIANCES, 2003 EDITION

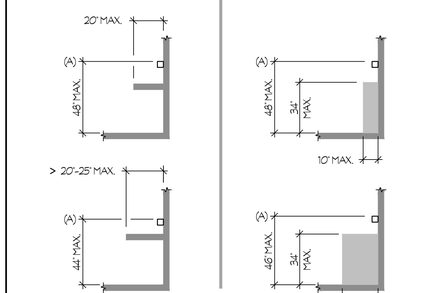
UL 521 - HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION (WITH REVISIONS THROUGH JULY 2005)

UL 864 - CONTROL UNITS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2014 EDITION



UNOBSTRUCTED FORWARD REACH (C.B.C FIGURE 11B-308.2.1)

UNOBSTRUCTED SIDE REACH (C.B.C FIGURE 11B-308.3.1)



OBSTRUCTED HIGH FORWARD REACH (C.B.C FIGURE 11B-308.2.2)

OBSTRUCTED HIGH SIDE REACH (C.B.C FIGURE 11B-308.3.2)

(A) TOP OF OUTLET BOX FOR RECEPTACLES, SWITCHES AND CONTROLS.

(B) BOTTOM OF OUTLET BOX FOR RECEPTACLES, SWITCHES AND CONTROLS.

1 ELECTRICAL RECEPTACLE, SWITCH AND CONTROL HEIGHTS

NTS

TITLE 24, PART 6

THE CALIFORNIA ENERGY EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS HAS BEEN REVIEWED AND THE BUILDING DESIGN DESCRIBED ON THESE PAGES IS IN SUBSTANTIAL CONFORMANCE.

CODE, RULES AND REGULATIONS

ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST REGULATIONS OF THE STATE FIRE MARSHAL, CALIFORNIA CODE OF REGULATIONS, SERVING UTILITY COMPANIES AND OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THESE CODES. WHERE WORK OF A HIGHER DEGREE IS INDICATED IN THE PLANS OR SPECIFICATIONS THIS REQUIREMENT SHALL GOVERN.

SEISMIC ANCHORAGE REQUIREMENTS

MECHANICAL, ELECTRICAL AND PLUMBING ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. 'PERMANENTLY ATTACHED' SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7 AND 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ☑ - OPTION 1: PROJECT-SPECIFIC DESIGN.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT JAMES R. MORRELL No. C-26128 REN. 05-31-27 STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY.
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
ELECTRICAL SYMBOLS, CODES AND NOTES

EG1.1

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER JAMES K. TRK No. E-18786 Exp. 6/30/27 ELECTRICAL STATE OF CALIFORNIA

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\ES1.1.dwg DATE SAVED: 09/29/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-002-SE

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.		
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A	**Report Page:**	**(Page 1 of 7)**
Project Address: 300 MONROE DRIVE	**Date Prepared:**	2025-02-20T11:14:43-05:00

A. GENERAL INFORMATION

01	Project Location (city)	HANFORD	04	Total Conditioned Floor Area (ft²)	3,428
02	Climate Zone	13	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1
• Classroom					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Complete Building Method	3428	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	3428			

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	2025-02-20T11:14:43-05:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
CLASSROOM BUILDING	School or Classroom	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
					13				
					Plan Sheet Showing Daylit Zones:				
					E1.2				

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
CLASSROOM BUILDING	School or Classroom	0.6	3,428	2,056.8	No	No
		TOTALS:	3,428	2,056.8	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A	**Report Page:**	**(Page 7 of 7)**
Project Address: 300 MONROE DRIVE	**Date Prepared:**	2025-02-20T11:14:43-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Eastham	Documentation Author Signature:
Company: Rose Sing Eastham	Signature Date: 2025-02-20
Address: 131 S. DUNWORTH STREET	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Steve Eastham	Responsible Designer Signature:
Company: Rose Sing Eastham	Date Signed: 2025-02-20
Address: 131 S. DUNWORTH STREET	License: E-18786
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	2025-02-20T11:14:43-05:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)					Compliance Results
	01	02	03	04		05		06	07		08	09
	Complete Building 140.6(c)1 (See Table I)	Area Category 140.6(c)2 / 170.2(e)4 (See Table I)	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+) (See Table J)	Tailored 140.6(c)3 / 170.2(e)4B (+) (See Table K)	=	**Total Allowed** (Watts)	≥	Total Designed (Watts) (See Table I)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-) (See Table P)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
Conditioned	2,056.8				=	2,056.8	≥	1,848		=	1848	COMPLIES
Unconditioned					=		≥			=		
											Controls Compliance (See Table H for Details)	COMPLIES
											Rated Power Reduction Compliance (See Table Q for Details)	

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	2025-02-20T11:14:43-05:00

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	2025-02-20T11:14:43-05:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture[1]	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A/AE	2x4 L.E.D. TROFFER, 6,000 LUMENS	No	NA	48	Mfr. Spec	34	No	1,632	☐	☐
C/CE	1 x 4 LED SURFACE, 3,000 LUMENS	No	NA	27	Mfr. Spec	8	No	216	☐	☐
							Total Designed Watts: CONDITIONED SPACES	1,848		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	☐	☐
NA < 4,000W subject to multilevel	See Area/Space Level Controls		

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	2025-02-20T11:14:43-05:00

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	CLASSROOM BUILDING
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	CLASSROOM BUILDING

APPROVALS
FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA
DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

BUILDING SITE KEY
BLDG. "A" CLASSROOM
north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
ROSER KIRA EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627 1650 Office
(559) 627 1926 Fax

TITLE
BUILDING A
INDOOR
LIGHTING
COMPLIANCE

EG2.1

PROJECT 24043

Z:\Drafting\Jobs\PERSONNEL\24043 – Monroe Elem Modernization\12C2.1.dwg DATE SAVED: 02/20/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-002-SE

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A1	Report Page: (Page 1 of 8)
Project Address: 300 MONROE DRIVE	Date Prepared: 2025-02-20T11:25:36-05:00

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	HANFORD	04	Total Conditioned Floor Area (ft²)	4,345
02	Climate Zone	13	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

• Classroom

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Complete Building Method	4345	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	4345			

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A1	Report Page: (Page 2 of 8)
	Date Prepared: 2025-02-20T11:25:36-05:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04	05		06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)			Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)		Total Adjusted (Watts) *Includes Adjustments	05 must be >= 08 140.6 / 170.2(e)
	(See Table I)	(See Table I)	(See Table J)	(See Table K)	= Total Allowed (Watts)	≥	(See Table I)	(See Table P)	=		
Conditioned	2,607				= 2,607	≥	2,565		=	2565	COMPLIES
Unconditioned					=	≥			=		
Controls Compliance (See Table H for Details)											COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A1	Report Page: (Page 3 of 8)
	Date Prepared: 2025-02-20T11:25:36-05:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hatel/ motel room lighting. Multifamily dwelling unit and hatel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A/AE	2X4 LED TROFFER, 6,000 LUMENS	No	NA	48	Mfr. Spec	48	No	2,304	☐	☐
B/BE	1X4 LED SURFACE, 4,800 LUMENS	No	NA	45	Mfr. Spec	1	No	45	☐	☐
C/CE	2X4 LED SURFACE, 3,000 LUMENS	No	NA	27	Mfr. Spec	8	No	216	☐	☐
							Total Designed Watts: CONDITIONED SPACES	2,565		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75%/80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A1	Report Page: (Page 4 of 8)
	Date Prepared: 2025-02-20T11:25:36-05:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	☐	☐
NA < 4,000W subject to multilevel	See Area/Space Level Controls		

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
CLASSROOM BUILDING	School or Classroom	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
							13		
							Plan Sheet Showing Daylit Zones:		
							E2.2		

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
CLASSROOM BUILDING	School or Classroom	0.6	4,345	2,607	No	No

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A1	Report Page: (Page 5 of 8)
	Date Prepared: 2025-02-20T11:25:36-05:00

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

TOTALS:	4,345	2,607	See Tables J, or P for detail

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A1	Report Page: (Page 6 of 8)
	Date Prepared: 2025-02-20T11:25:36-05:00

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A1	Report Page: (Page 7 of 8)
	Date Prepared: 2025-02-20T11:25:36-05:00

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	CLASSROOM BUILDING
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	CLASSROOM BUILDING

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG A1	Report Page: (Page 8 of 8)
Project Address: 300 MONROE DRIVE	Date Prepared: 2025-02-20T11:25:36-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Eastham	Documentation Author Signature:
Company: Rose Sing Eastham	Signature Date: 2025-02-20
Address: 131 S. DUNWORTH STREET	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Steve Eastham	Responsible Designer Signature:
Company: Rose Sing Eastham	Date Signed: 2025-02-20
Address: 131 S. DUNWORTH STREET	License: E-18786
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

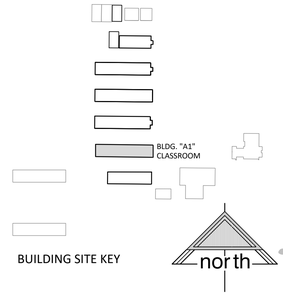
APPROVALS
FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 08-31-27
STATE OF CALIFORNIA
DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS



BUILDING SITE KEY

MANGINI ARCHITECTURE + INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING A1
INDOOR
LIGHTING
COMPLIANCE

EG2.2

PROJECT 24043

RENEWAL 6/30/27 REGISTERED PROFESSIONAL ENGINEER KIRK A. KIRKPATRICK No. E-18786 Exp. 6/30/27 ELECTRICAL STATE OF CALIFORNIA

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\EG2.2.dwg DATE SAVED: 02/20/25 By: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG B	**Report Page:** (Page 1 of 8)
Project Address: 300 MONROE DRIVE	**Date Prepared:** 2025-02-20T11:31:41-05:00

A. GENERAL INFORMATION

01	Project Location (city)	HANFORD	04 Total Conditioned Floor Area (ft²)	4,275
02	Climate Zone	13	05 Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1
• Classroom				

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Complete Building Method	4275	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	4275			

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG B	**Report Page:** (Page 4 of 8)
	Date Prepared: 2025-02-20T11:31:41-05:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C		
NA < 4,000W subject to multilevel	See Area/Space Level Controls	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
								Field Inspector	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Pass	Fail
CLASSROOM BUILDNG	School or Classroom	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
							13		
							Plan Sheet Showing Daylit Zones:		
							E3.2		

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
					Additional Allowance / Adjustment	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Area Category	PAF
CLASSROOM BUILDING	School or Classroom	0.6	4,275	2,565	No	No

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG B	**Report Page:** (Page 7 of 8)
	Date Prepared: 2025-02-20T11:31:41-05:00

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	CLASSROOM BUILDNG
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	CLASSROOM BUILDNG

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG B	**Report Page:** (Page 2 of 8)
	Date Prepared: 2025-02-20T11:31:41-05:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04		05		06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)		**Total Allowed** (Watts)		Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)		**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table I)	(See Table P)			
Conditioned	2,565				=	2,565	≥	2,538		=	2538	COMPLIES
Unconditioned					=		≥			=		
											Controls Compliance (See Table H for Details)	COMPLIES
											Rated Power Reduction Compliance (See Table Q for Details)	

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG B	**Report Page:** (Page 5 of 8)
	Date Prepared: 2025-02-20T11:31:41-05:00

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

TOTALS:	4,275	2,565	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG B	**Report Page:** (Page 8 of 8)
Project Address: 300 MONROE DRIVE	**Date Prepared:** 2025-02-20T11:31:41-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Eastham	Documentation Author Signature:
Company: Rose Sing Eastham	Signature Date: 2025-02-20
Address: 131 S. DUNWORTH STREET	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Steve Eastham	Responsible Designer Signature:
Company: Rose Sing Eastham	Date Signed: 2025-02-20
Address: 131 S. DUNWORTH STREET	License: E-18786
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG B	**Report Page:** (Page 3 of 8)
	Date Prepared: 2025-02-20T11:31:41-05:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hatel/ motel room lighting. Multifamily dwelling unit and hatel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
									Field Inspector	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Pass	Fail
A/AE	2X4 LED TROFFER, 6,000 LUMENS	No	NA	48	Mfr. Spec	48	No	2,304	☐	☐
B/BE	1X4 LED SURFACE, 4,800 LUMENS	No	NA	45	Mfr. Spec	1	No	45	☐	☐
C/CE	1X4 LED SURFACE, 3,000 LUMENS	No	NA	27	Mfr. Spec	7	No	189	☐	☐
							Total Designed Watts: CONDITIONED SPACES	2,538		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75%/80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG B	**Report Page:** (Page 6 of 8)
	Date Prepared: 2025-02-20T11:31:41-05:00

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

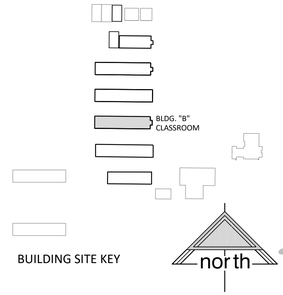
APPROVALS
FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-36128
REN. 08-31-27
STATE OF CALIFORNIA
DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS



BUILDING SITE KEY

MANGINI ARCHITECTURE + ENGINUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING B
INDOOR
LIGHTING
COMPLIANCE

EG2.3

PROJECT 24043

RENEWED PROFESSIONAL ENGINEER
ROSE SING K-I-RK EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\EG2.3.dwg DATE SAVED: 02/20/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG C	**Report Page:** (Page 1 of 8)
Project Address: 300 MONROE DRIVE	**Date Prepared:** 2025-02-20T11:36:52-05:00

A. GENERAL INFORMATION

01	Project Location (city)	HANFORD	04	Total Conditioned Floor Area (ft²)	4,420
02	Climate Zone	13	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1
• Classroom					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Complete Building Method	4420	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	4420			

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG C	**Report Page:** (Page 4 of 8)
	Date Prepared: 2025-02-20T11:36:52-05:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C		
NA < 4,000W subject to multilevel	See Area/Space Level Controls	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
								Field Inspector	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Pass	Fail
CLASSROOM BUILDING	School or Classroom	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
							13		
							Plan Sheet Showing Daylit Zones:		
							E4.2		

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
					Additional Allowance / Adjustment	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Area Category	PAF
CLASSROOM BUILDING	School or Classroom	0.6	4,420	2,652	No	No

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG C	**Report Page:** (Page 7 of 8)
	Date Prepared: 2025-02-20T11:36:52-05:00

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	CLASSROOM BUILDING
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	CLASSROOM BUILDING

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG C	**Report Page:** (Page 2 of 8)
	Date Prepared: 2025-02-20T11:36:52-05:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04	05		06	07		08	09
	Complete Building 140.6(c)1 (See Table I)	Area Category 140.6(c)2 / 170.2(e)4 (See Table I)	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+) (See Table J)	Tailored 140.6(c)3 / 170.2(e)4B (+) (See Table K)		**Total Allowed** (Watts)	Total Designed (Watts) (See Table I)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-) (See Table P)		**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
Conditioned	2,652				=	2,652	2,538		=	2538	COMPLIES
Unconditioned					=				=		
Controls Compliance (See Table H for Details)											COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG C	**Report Page:** (Page 5 of 8)
	Date Prepared: 2025-02-20T11:36:52-05:00

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

TOTALS:	4,420	2,652	See Tables J, or P for detail

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG C	**Report Page:** (Page 8 of 8)
Project Address: 300 MONROE DRIVE	**Date Prepared:** 2025-02-20T11:36:52-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Eastham	Documentation Author Signature:
Company: Rose Sing Eastham	Signature Date: 2025-02-20
Address: 131 S. DUNWORTH STREET	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Steve Eastham	Responsible Designer Signature:
Company: Rose Sing Eastham	Date Signed: 2025-02-20
Address: 131 S. DUNWORTH STREET	License: E-18786
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG C	**Report Page:** (Page 3 of 8)
	Date Prepared: 2025-02-20T11:36:52-05:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hatel/ motel room lighting. Multifamily dwelling unit and hatel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
									Field Inspector	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture[1]	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Pass	Fail
A/AE	2X4 LED TROFFER, 6,000 LUMENS	No	NA	48	Mfr. Spec	48	No	2,304	☐	☐
B/BE	1X4 LED SURFACE, 4,800 LUMENS	No	NA	45	Mfr. Spec	4	No	180	☐	☐
C/CE	1X4 LED SURFACE, 3,000 LUMENS	No	NA	27	Mfr. Spec	2	No	54	☐	☐
Total Designed Watts: CONDITIONED SPACES								2,538		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75%/80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG C	**Report Page:** (Page 6 of 8)
	Date Prepared: 2025-02-20T11:36:52-05:00

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

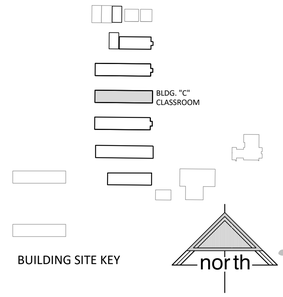
APPROVALS
FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT JAMES R. MORRELL No. C-26128 REN. 08-31-27 STATE OF CALIFORNIA
DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS



BUILDING SITE KEY

MANGINI ARCHITECTURE + ENGINUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING C
INDOOR
LIGHTING
COMPLIANCE

EG2.4

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER KIRK A. ROSING No. E-18786 Exp. 6/30/27 ELECTRICAL STATE OF CALIFORNIA

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth ~ (559)733-2671
Visalia, California 93292-6705

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\EG2.4.dwg DATE SAVED: 02/20/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG D | **Report Page:** (Page 1 of 7)
Project Address: 300 MONROE DRIVE | **Date Prepared:** 2025-02-20T11:45:05-05:00

A. GENERAL INFORMATION

01	Project Location (city)	HANFORD	04	Total Conditioned Floor Area (ft²)	4,275
02	Climate Zone	13	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1
• Classroom					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Complete Building Method	4275	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	4275			

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG D | **Report Page:** (Page 4 of 7)
Date Prepared: 2025-02-20T11:45:05-05:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
CLASSROOM BUILDING	School or Classroom	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
					13				
					Plan Sheet Showing Daylit Zones:				
					E5.2				

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
CLASSROOM BUILDING	School or Classroom	0.6	4,275	2,565	No	No
		TOTALS:	4,275	2,565	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG D | **Report Page:** (Page 7 of 7)
Project Address: 300 MONROE DRIVE | **Date Prepared:** 2025-02-20T11:45:05-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Eastham	Documentation Author Signature:
Company: Rose Sing Eastham	Signature Date: 2025-02-20
Address: 131 S. DUNWORTH STREET	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Steve Eastham	Responsible Designer Signature:
Company: Rose Sing Eastham	Date Signed: 2025-02-20
Address: 131 S. DUNWORTH STREET	License: E-18786
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG D | **Report Page:** (Page 2 of 7)
Date Prepared: 2025-02-20T11:45:05-05:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)					Compliance Results
	01	02	03	04		05		06	07		08	09
	Complete Building 140.6(c)1 (See Table I)	Area Category 140.6(c)2 / 170.2(e)4 (See Table I)	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+) (See Table J)	Tailored 140.6(c)3 / 170.2(e)4B (+) (See Table K)	=	**Total Allowed** (Watts)	≥	Total Designed (Watts) (See Table I)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-) (See Table P)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
Conditioned	2,565				=	2,565	≥	2,547		=	2547	COMPLIES
Unconditioned					=		≥			=		
											Controls Compliance (See Table H for Details)	COMPLIES
											Rated Power Reduction Compliance (See Table Q for Details)	

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG D | **Report Page:** (Page 5 of 7)
Date Prepared: 2025-02-20T11:45:05-05:00

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG D | **Report Page:** (Page 3 of 7)
Date Prepared: 2025-02-20T11:45:05-05:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture[1]	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A/AE	2X4 LED TROFFER, 6,000 LUMENS	No	NA	48	Mfr. Spec	48	No	2,304	☐	☐
C/CE	1X4 LED SURFACE, 3,000 LUMENS	No	NA	27	Mfr. Spec	9	No	243	☐	☐
							Total Designed Watts: CONDITIONED SPACES	2,547		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	☐	☐
NA < 4,000W subject to multilevel	See Area/Space Level Controls		

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG D | **Report Page:** (Page 6 of 7)
Date Prepared: 2025-02-20T11:45:05-05:00

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	CLASSROOM BUILDING
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	CLASSROOM BUILDING

APPROVALS
FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT JAMES R. MORRELL No. C-36128 REN. 05-31-27 STATE OF CALIFORNIA
DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

BLDG. "D" CLASSROOM
BUILDING SITE KEY
north

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627 1650 Office
(559) 627 1926 Fax

TITLE
BUILDING D
INDOOR
LIGHTING
COMPLIANCE

EG2.5

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER KIRK ERIC SING No. E-18786 Exp. 6/30/27 ELECTRICAL STATE OF CALIFORNIA

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

Z:\Drafting\Jobs\RES\SCHOOLS\Interior\Monroe ES\24043 – Monroe Elem Modernization\EG2.5.dwg DATE SAVED: 02/20/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-002-SE

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.		
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG E	**Report Page:**	**(Page 1 of 7)**
Project Address: 300 MONROE DRIVE	**Date Prepared:**	2025-02-20T11:48:23-05:00

A. GENERAL INFORMATION

01	Project Location (city)	HANFORD	04	Total Conditioned Floor Area (ft²)	2,355
02	Climate Zone	13	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1
• Classroom					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Complete Building Method	2355	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	2355			

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG E	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	2025-02-20T11:48:23-05:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)					Compliance Results
	01	02	03	04		05		06	07		08	09
	Complete Building 140.6(c)1 (See Table I)	Area Category 140.6(c)2 / 170.2(e)4 (See Table I)	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+) (See Table J)	Tailored 140.6(c)3 / 170.2(e)4B (+) (See Table K)	=	**Total Allowed** (Watts)	≥	Total Designed (Watts) (See Table I)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-) (See Table P)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
Conditioned	1,413				=	1,413	≥	1,395		=	1395	COMPLIES
Unconditioned					=		≥			=		
Controls Compliance (See Table H for Details)												COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)												

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG E	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	2025-02-20T11:48:23-05:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture[1]	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A/AE	2X4 LED TROFFER, 6,000 LUMENS	No	NA	48	Mfr. Spec	24	No	1,152	☐	☐
C/CE	1X4 LED SURFACE, 3,000 LUMENS	No	NA	27	Mfr. Spec	9	No	243	☐	☐
Total Designed Watts: CONDITIONED SPACES								1,395		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	☐	☐
NA < 4,000W subject to multilevel	See Area/Space Level Controls		

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG E	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	2025-02-20T11:48:23-05:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
CLASSROOM BUILDING	School or Classroom	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
					13				
					Plan Sheet Showing Daylit Zones:				
					E6.2				

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
CLASSROOM BUILDING	School or Classroom	0.6	2,355	1,413	No	No
		TOTALS:	2,355	1,413	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG E	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	2025-02-20T11:48:23-05:00

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG E	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	2025-02-20T11:48:23-05:00

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	CLASSROOM BUILDING
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	CLASSROOM BUILDING

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL - BLDG E	**Report Page:**	**(Page 7 of 7)**
Project Address: 300 MONROE DRIVE	**Date Prepared:**	2025-02-20T11:48:23-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Eastham	Documentation Author Signature:
Company: Rose Sing Eastham	Signature Date: 2025-02-20
Address: 131 S. DUNWORTH STREET	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Steve Eastham	Responsible Designer Signature:
Company: Rose Sing Eastham	Date Signed: 2025-02-20
Address: 131 S. DUNWORTH STREET	License: E-18786
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT JAMES R. MORRELL No. C-26128 REN. 05-31-27 STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

BLDG. "E" CLASSROOM

BUILDING SITE KEY

north

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627 1650 Office
(559) 627 1926 Fax

TITLE
BUILDING E
INDOOR
LIGHTING
COMPLIANCE

EG2.6

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER ERIK KIRK EASTHAM No. E-18786 Exp. 6/30/27 ELECTRICAL STATE OF CALIFORNIA

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

Z:\Drafting\Jobs\KRES\SCHOOLS\Interior\Monroe ES\24043 – Monroe Elem Modernization\EG2.6.dwg DATE SAVED: 02/20/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-002-SE

STATE OF CALIFORNIA
Electrical Power Distribution CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per 180.1(a) or 180.2 (b)4Bvii		
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL	**Report Page:**	**(Page 1 of 4)**
Project Address: 300 MONROE DRIVE	**Date Prepared:**	2025-02-20T11:54:13-05:00

A. GENERAL INFORMATION

01	Project Location (city)	HANFORD	02	Climate Zone	13
			03	Occupancy Types Within Project:	Classroom

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/ Description	Scope of Work[1]	Rating[2] (kVA)	Utility Provided Metering System Exception to 130.5(a)/ 160.6(a)[3]	System subject to CA Elec Code Article 517 Exception to 130.5(a)and (b)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
EXISTING MAIN SWITCHBOARD "MSB"	Add/Alt to feeders and branch circuits only	---	☐	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 120.2/ 160.3, 130.1/ 160.5, and 130.3/ 160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

[1]FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.
[2] If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.
[3] Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

STATE OF CALIFORNIA
Electrical Power Distribution CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL	**Report Page:**	**(Page 3 of 4)**
	Date Prepared:	2025-02-20T11:54:13-05:00

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-ELC-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

STATE OF CALIFORNIA
Electrical Power Distribution CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL	**Report Page:**	**(Page 2 of 4)**
	Date Prepared:	2025-02-20T11:54:13-05:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01		02		03		04	05	06
Service Electrical Metering 130.5(a)/ 160.6(a) (See Table F)	AND	Separation for Monitoring 130.5(b)/ 160.6(b) (See Table G)	AND	Voltage Drop 130.5(c)/ 160.6(c) (See Table H)	AND	Controlled Receptacles 130.5(d)/ 160.6(d) (See Table I)	Electric Ready 160.9 (See Table J)	**Compliance Results**
	AND		AND	Yes	AND			COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/ 160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)2Piii/ 180.2(b)4Bviic.

01	02				03	04	05	
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method				Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
							Pass	Fail
EXISTING MAIN SWITCHBOARD "MSB"	☒	Voltage drop less than 5%	☐	Permitted by CA Elec Code (Exception to 130.5(c))*	In construction documents	E8.2	☐	☐

** NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

[1] FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

STATE OF CALIFORNIA
Electrical Power Distribution CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL	**Report Page:**	**(Page 4 of 4)**
Project Address: 300 MONROE DRIVE	**Date Prepared:**	2025-02-20T11:54:13-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Eastham	Documentation Author Signature:
Company: Rose Sing Eastham	Signature Date: 2025-02-20
Address: 131 S. DUNWORTH STREET	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Steve Eastham	Responsible Designer Signature:
Company: Rose Sing Eastham	Date Signed: 2025-02-20
Address: 131 S. DUNWORTH STREET	License: E-18786
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

APPROVALS
FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT JAMES R. MORRELL No. C-26128 REN. 05-31-27 STATE OF CALIFORNIA
DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE + ENGINUITY
MANGINI ASSOCIATES INC.
4300 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
ELECTRICAL POWER DISTRIBUTION COMPLIANCE

EG2.7

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER STEVEN K. TIRK No. E-18786 Exp. 6/30/27 ELECTRICAL STATE OF CALIFORNIA

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\EG2.7.dwg DATE SAVED: 02/20/25 By: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTO-E**

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL	**Report Page:** **(Page 1 of 7)**
Project Address: 300 MONROE DRIVE	**Date Prepared:** 2025-02-20T12:03:59-05:00

A. GENERAL INFORMATION

01	Project Location (city)	HANFORD	04	Total Illuminated Hardscape Area (ft²)	25145
02	Climate Zone	13			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☐ LZ-2: Moderate - Urban Clusters	☐	LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐	LZ-1: Low - Rural Areas	☒ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
● Classroom					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No

03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTO-E**

Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL	**Report Page:** **(Page 4 of 7)**
	Date Prepared: 2025-02-20T12:03:59-05:00

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
WALKWAY: "D/DE"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTO-E**

Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL	**Report Page:** **(Page 7 of 7)**
Project Address: 300 MONROE DRIVE	**Date Prepared:** 2025-02-20T12:03:59-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Eastham	Documentation Author Signature:
Company: Rose Sing Eastham	Signature Date: 2025-02-20
Address: 131 S. DUNWORTH STREET	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Steve Eastham	Responsible Designer Signature:
Company: Rose Sing Eastham	Date Signed: 2025-02-20
Address: 131 S. DUNWORTH STREET	License: E-18786
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733-2671 (EXT 101)

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTO-E**

Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL	**Report Page:** **(Page 2 of 7)**
	Date Prepared: 2025-02-20T12:03:59-05:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: if any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv													Compliance Results		
01		02		03		04		05		06		07	08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
1,278.45	+	---	+	---	+	---	+	---	OR	---	=	1,278.45	≥	1,200	COMPLIES
Shielding Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTO-E**

Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL	**Report Page:** **(Page 5 of 7)**
	Date Prepared: 2025-02-20T12:03:59-05:00

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01				
	"Use it or lose it" Allowance (select all that apply) (select all that apply)				
☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
WALKWAY	25145	0.021	528.05	2502	0.2	500.4	1028.45
					Initial Wattage Allowance for Entire Site (Watts):		250
					Instances of Initial Wattage Allowance (LZ 0 only)[1]		
					Total General Hardscape Allowance (Watts):		1278.45

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTO-E**

Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL	**Report Page:** **(Page 3 of 7)**
	Date Prepared: 2025-02-20T12:03:59-05:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires [2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
D/DE	LED DOWNLIGHT	☐ Linear	25	Mfr. Spec	48	New	☐	1,200	NA: < 6200 lumens	☐	☐
								Total Design Watts:	1200		

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — **NRCC-LTO-E**

Project Name: MODERNIZATION AT MONROE ELEMENTARY SCHOOL	**Report Page:** **(Page 6 of 7)**
	Date Prepared: 2025-02-20T12:03:59-05:00

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	WALKWAY: "D/DE"

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-36128
REN. 08-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
OUTDOOR LIGHTING COMPLIANCE

EG2.8

PROJECT 24043

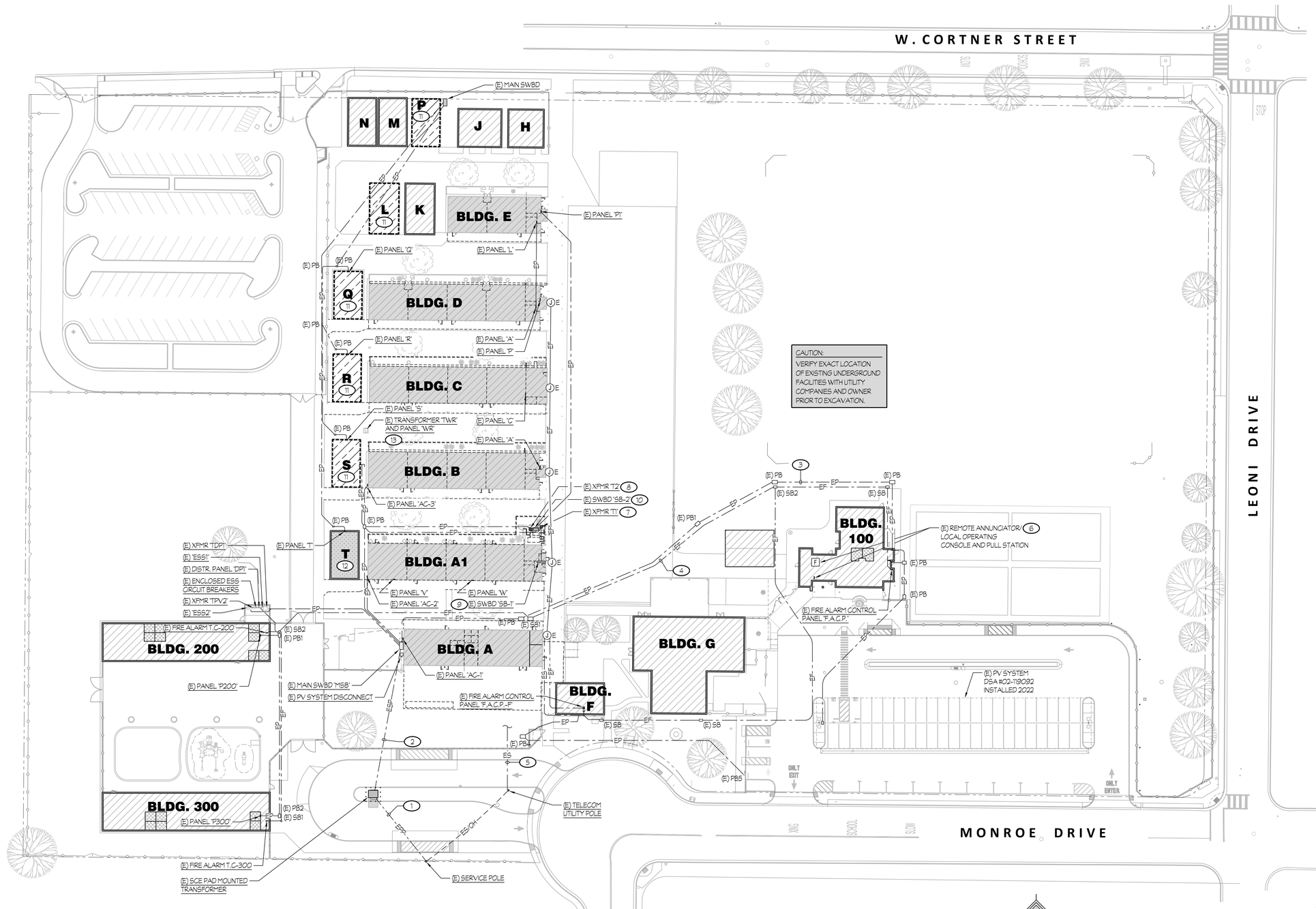
Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
KAREN K. KIRK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafing\Jobs\KRES\SCHOOLS\Hanford\Monroe ES\24043 – Monroe Elem Modernization\G02.8.dwg DATE SAVED: 02/20/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-002-SE

NOTES (THIS SHEET ONLY):

1. — — — EP — — — DENOTES THE APPROXIMATE LOCATION OF S.C.E.. 'PRIMARY' CONDUIT AND CONDUCTORS. VERIFY EXACT LOCATION AT SITE WITH S.C.E..
2. — — — ESP — — — DENOTES THE APPROXIMATE LOCATION OF S.C.E.. 'SECONDARY' CONDUIT AND CONDUCTORS. VERIFY EXACT LOCATION AT SITE WITH S.C.E..
3. — — — EP — — — DENOTES THE APPROXIMATE LOCATION OF EXISTING 'POWER' FEEDERS AND/OR 'SPARE' CONDUITS. VERIFY EXACT LOCATION AT SITE.
4. — — — EF — — — DENOTES THE APPROXIMATE LOCATION OF EXISTING 'FIRE ALARM' FEEDERS AND/OR 'SPARE' CONDUITS. VERIFY EXACT LOCATION AT SITE.
5. — — — ES — — — DENOTES THE APPROXIMATE LOCATION OF EXISTING 'SIGNALS' FEEDERS AND/OR 'SPARE' CONDUITS. VERIFY EXACT LOCATION AT SITE.
6. EXISTING ANNUNCIATOR LOCATED IN CONSTANTLY ATTENDED LOCATION WITHIN LOBBY RECEPTION AREA.
7. DISCONNECT AND REMOVE EXISTING TRANSFORMER. REMOVE ALL 'IDLE' FEEDER CONDUIT TO A MINIMUM OF 24' BELOW THE EXISTING FINISH GRADE.
8. DISCONNECT AND REMOVE EXISTING TRANSFORMER BEING REPLACED. SALVAGE THE EXISTING INCOMING FEEDER FROM THE EXISTING MAIN SWITCHBOARD 'MSB'.
9. DISCONNECT AND REMOVE EXISTING SWITCHBOARD. REMOVE ALL EXISTING 'IDLE' BRANCH CIRCUITING AND RESPECTIVE FEEDERS AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY EXPOSED UNDERGROUND CONDUITS SHALL BE REMOVED TO BELOW TOP OF EXISTING CONCRETE SLAB. PICK-UP AND EXTEND ANY EXISTING FEEDER CONDUCTORS WHICH ARE TO REMAIN IN-USE TO NEW MATCHING CIRCUIT BREAKERS IN NEW DISTRIBUTION SWITCHBOARD 'NSB'.
10. DISCONNECT AND REMOVE EXISTING SWITCHBOARD BEING REPLACED. SALVAGE ANY EXISTING FEEDERS TO REMAIN IN USE AND RECONNECT TO NEW MATCHING CIRCUIT BREAKERS IN NEW SWITCHBOARD 'NSB'.
11. DISCONNECT SUB-PANEL AT EXISTING RELOCATABLE BUILDING BEING REMOVED. REMOVE EXISTING 'POWER' CONDUCTORS BACK TO RESPECTIVE CIRCUIT BREAKER IN EXISTING MAIN SWITCHBOARD'. REMOVE ANY ABOVE GROUND/EXPOSED CONDUITS TO A MINIMUM OF 18' BELOW THE EXISTING FINISH GRADE. DISCONNECT, REMOVE AND DISPOSE OF EXISTING ELECTRICAL DEVICES AND ALL ASSOCIATED CONDUIT AND WIRING AT EXISTING BUILDING BEING REMOVED TO CLEAR WAY FOR NEW CONSTRUCTION.
12. DISCONNECT SUB-PANEL AT EXISTING RELOCATABLE BUILDING BEING RELOCATED AND RECONNECT PER SITE ELECTRICAL PLAN, SHEET #ES1.2.
13. DISCONNECT, REMOVE AND RETURN EXISTING TRANSFORMER AND PANELBOARD BEING REMOVED TO THE OWNER. REMOVE ANY ABOVE GROUND/EXPOSED CONDUITS TO A MINIMUM OF 18' BELOW THE EXISTING FINISH GRADE IN A CONCRETE CHRISTY BOX. CONTRACTOR SHALL FIELD VERIFY SOURCE AND DESTINATION OF EXISTING CIRCUIT FEED. INTENT TO DISCONNECT AND REMOVE CIRCUIT IF NOT USED. IF CIRCUIT FEEDS EXISTING ELEMENTS, CONTRACTOR SHALL INTERCEPT FOR RECONNECTION.



DEMOLITION/EXISTING SITE ELECTRICAL PLAN

SCALE: 1" = 40'-0"

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
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(559) 627-7638 Office
(559) 627-1926 Fax

TITLE
DEMOLITION/ EXISTING SITE ELECTRICAL PLAN

ES1.1

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
PETER KTRY EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\RES\24043\Hanford\Monroe ES\24043 - Monroe Elem Modernization\ES1.1.dwg DATE: SAVED: 09/24/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE

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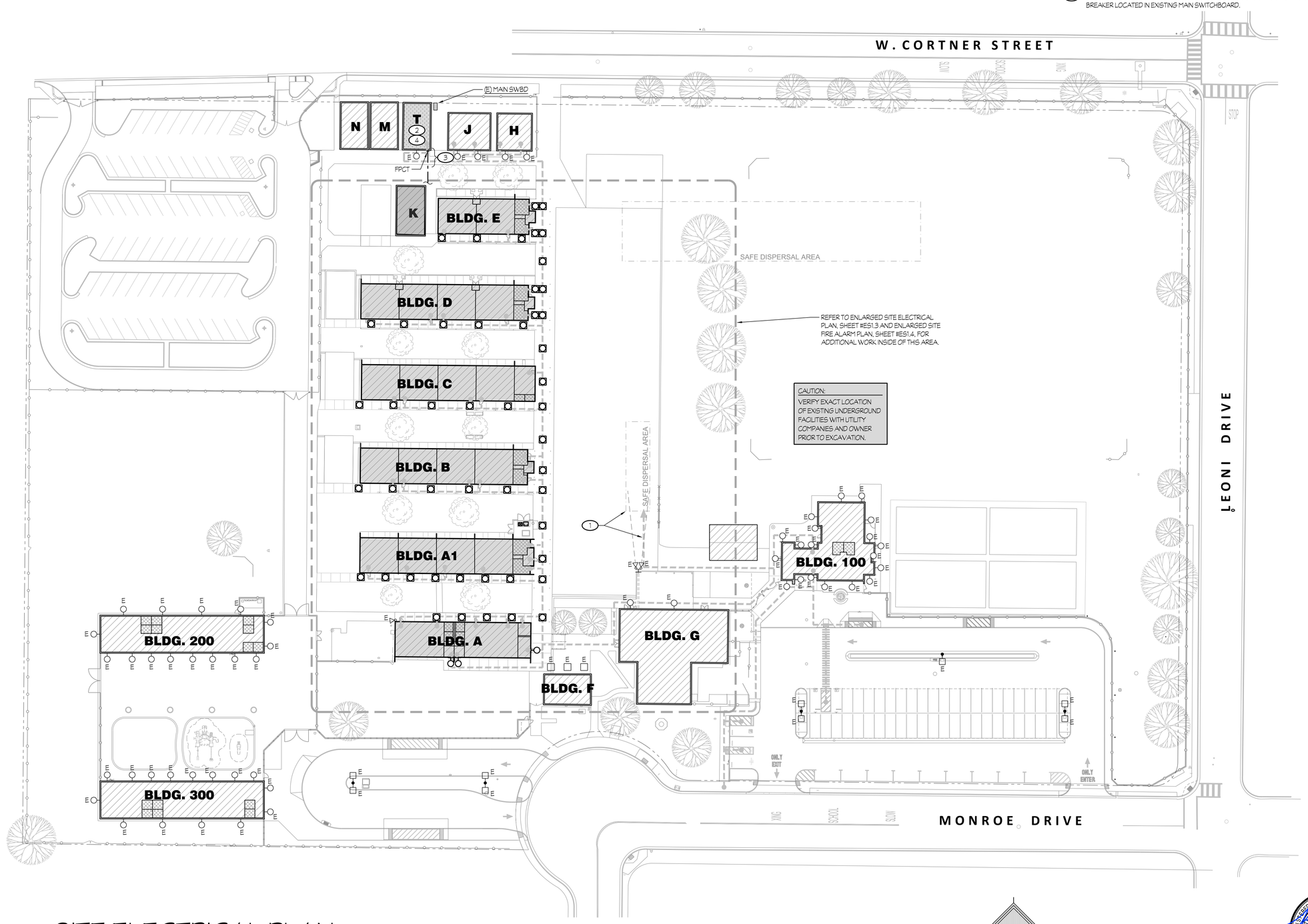
LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

NOTES (THIS SHEET ONLY):

1. SAFE DISPERSAL PATHWAY AND AREA COMPLY WITH MINIMUM FOOT-CANDLE ILLUMINATION (1 FC MINIMUM).
2. REFER TO BUILDING T - FIRE ALARM PLANS, SHEET #ES1.4, FOR FIRE ALARM WORK AT BUILDING T.
3. SAWCUT AND PATCH OR BORE UNDER EXISTING CONCRETE/AC PAVING AS REQUIRED PER DETAIL #5/E10.2.
4. RECONNECT EXISTING RELOCATABLE BUILDING T TO RESPECTIVE EXISTING CIRCUIT BREAKER LOCATED IN EXISTING MAIN SWITCHBOARD.



SITE ELECTRICAL PLAN

SCALE: 1" = 40'-0"

north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
JENNIFER K. KIRK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

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4320 West Mineral King Avenue
Visalia, California 93291
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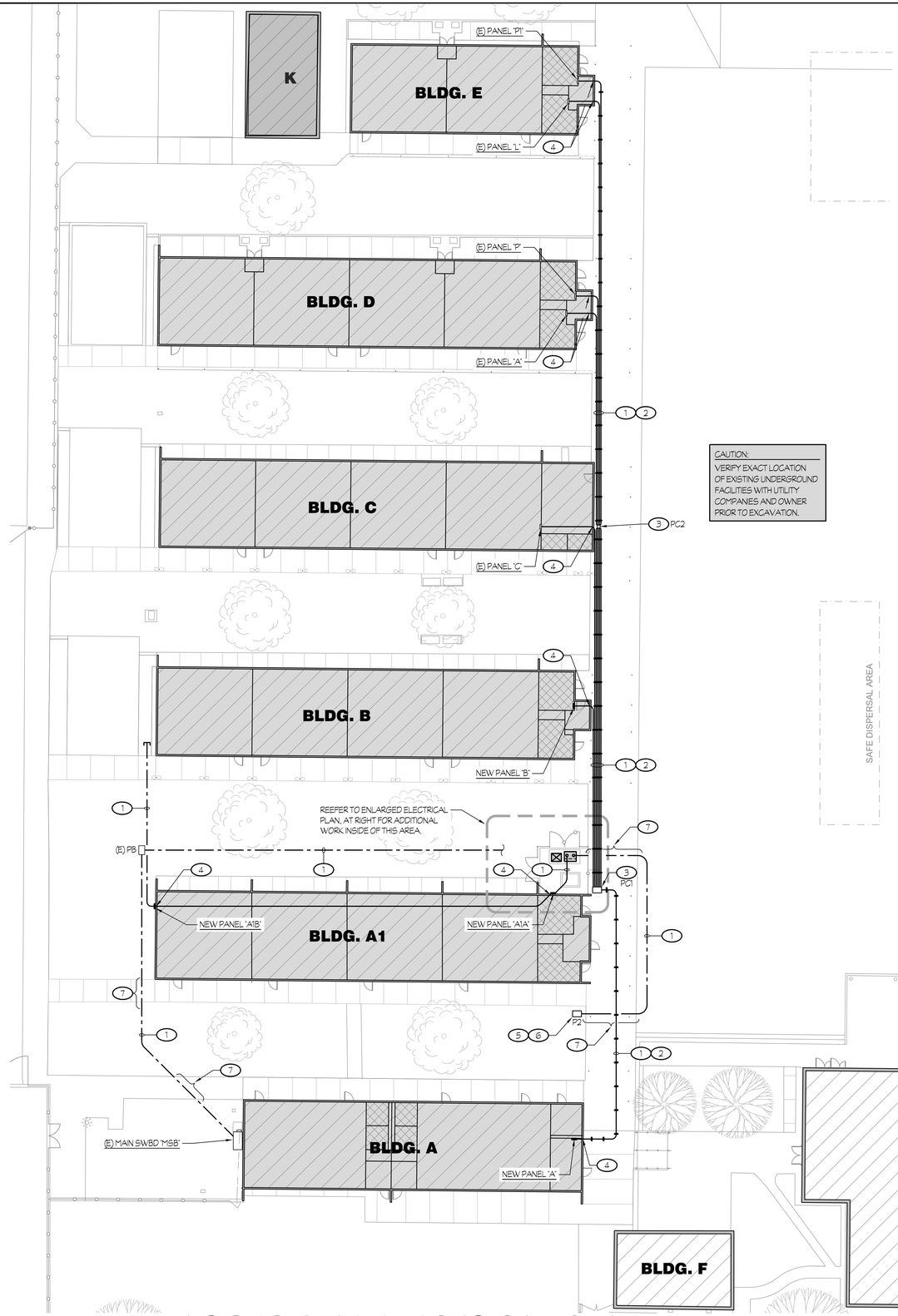
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE: SITE ELECTRICAL PLAN

ES1.2

PROJECT 24043

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\ES1.2.dwg DATE SAVED: 10/21/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-002-SE



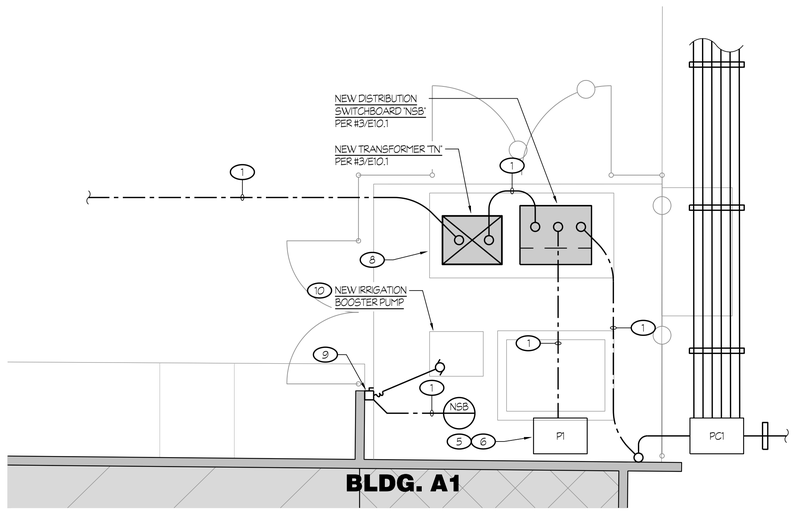
CAUTION:
VERIFY EXACT LOCATION OF EXISTING UNDERGROUND FACILITIES WITH UTILITY COMPANIES AND OWNER PRIOR TO EXCAVATION.

ENLARGED SITE ELECTRICAL PLAN

SCALE: 1" = 20'-0"

NOTES (THIS SHEET ONLY):

1. REFER TO ONE LINE DIAGRAM, DETAIL #1/E8.2, FOR ALL POWER FEEDER AND/OR 'SPARE' CONDUIT REQUIREMENTS, TYPICAL.
2. RUN CONDUITS ON TOP OF EXISTING WALKCOVER. PROVIDE CONDUIT SUPPORTS PER DETAIL #4/E10.1. COORDINATE EXACT ROUTING WITH EXISTING CONDUITS, PIPING AND PULL CANS.
3. PROVIDE A NEW PULL CAN AND MOUNT ON TOP OF EXISTING WALKCOVER PER DETAIL #6/E10.2. COORDINATE EXACT LOCATION WITH EXISTING CONDUITS, PIPING PULL CANS, ETC.
4. PUNCH THRU EXISTING EXTERIOR WALL AND INTO ACCESSIBLE ATTIC SPACE. SEAL AROUND CONDUIT PENETRATION AS REQUIRED TO PREVENT LEAKAGE INTO WALL STRUCTURE.
5. REFER TO DETAIL #9/E10.1 FOR PULL BOX REQUIREMENTS. TYPICAL, U.O.N.. WHERE FEEDER OR BRANCH CIRCUIT CONDUCTORS ARE ROUTING THRU THE PULL BOX, PROVIDE GROUNDING AND BONDING OF THE STEEL CHECKER-PLATE COVER PER DETAIL #10/E10.1.
6. PROVIDE PULL BOX TO PICK-UP AND EXTEND ANY EXISTING FEEDER CONDUCTORS THAT WERE DISCONNECTED FROM EXISTING SWITCHBOARD 'SB-1' WHICH ARE TO REMAIN IN-USE TO NEW MATCHING CIRCUIT BREAKERS IN NEW DISTRIBUTION SWITCHBOARD 'NSB'. COORDINATE EXACT LOCATION WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
7. SAWCUT AND PATCH OR BORE UNDER EXISTING CONCRETE/AC PAVING AS REQUIRED PER DETAIL #5/E10.2.
8. PROVIDE NEW CONCRETE PAD FOR NEW ELECTRICAL EQUIPMENT PER DETAIL #3/E10.1.
9. PROVIDE 100A, 250V, 3P WEATHERPROOF FUSED DISCONNECT SWITCH WITH 70A FUSES (TO BE VERIFIED WITH MOTOR NAMEPLATE) AND CONNECT TO IRRIGATION BOOSTER PUMP AS REQUIRED.
10. COORDINATE WITH IRRIGATION CONTRACTOR FOR EXACT LOCATION AND CONNECTION POINT PRIOR TO ROUGH-IN.



ENLARGED ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

north

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY.
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE: SITE ELECTRICAL PLAN

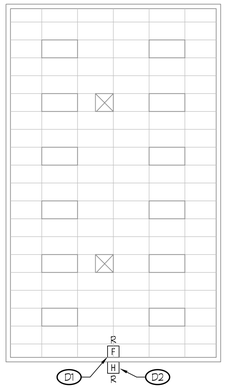
ES1.3

PROJECT 24043

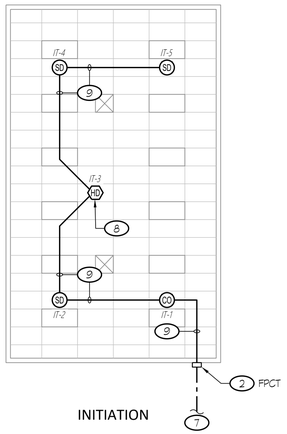
Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
JENNIFER K. TIRK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\ES1.3.dwg DATE SAVED: 10/22/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-002-SE



DEMOLITION



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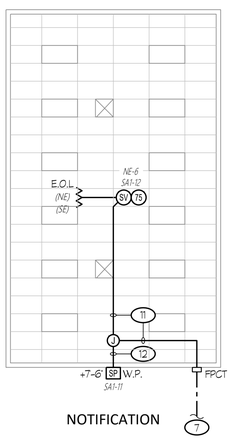
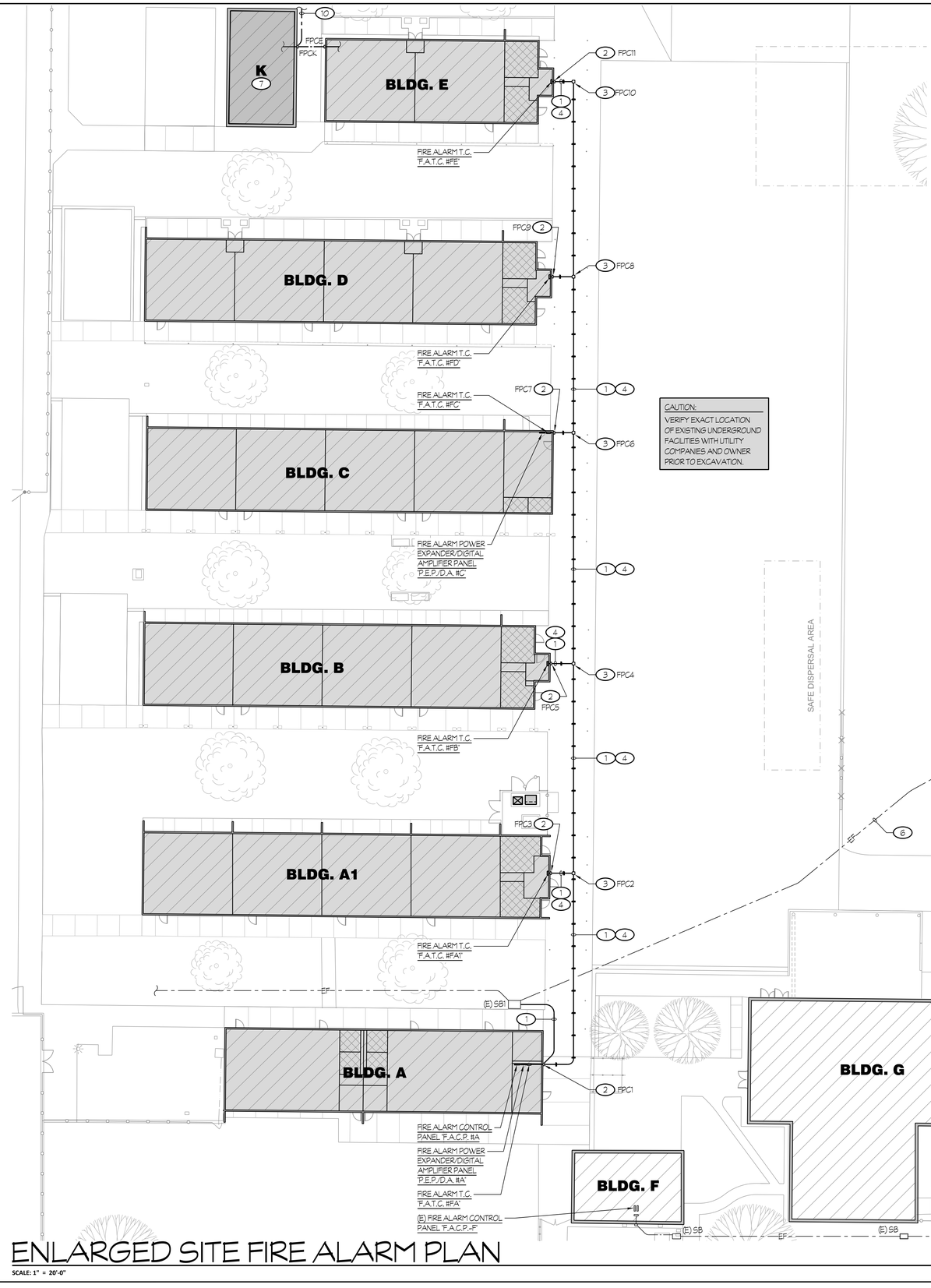


NOTIFICATION



BUILDING T

FIRE ALARM PLANS

SCALE: 1/8" = 1'-0"

north

ENLARGED SITE FIRE ALARM PLAN

SCALE: 1" = 20'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

D1 DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED MANUAL PULL STATION. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

D2 DISCONNECT AND REMOVE EXISTING HORN AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

NOTES (THIS SHEET ONLY):

1. REFER TO FIRE ALARM SYSTEM RISER DIAGRAM, DETAIL #1/E7.2, FOR CONDUIT, CONDUCTOR AND/OR CABLING REQUIREMENTS.
2. PROVIDE 12" SQ. x 6" DP. FIRE ALARM PULL ENCLOSURE MOUNTED HIGH ON WALL ABOVE T-BAR CEILING. ROUTE NEW CONDUITS OUT OF THE BACK OF THE PULL CAN AND SEAL AROUND CONDUIT PENETRATIONS TO PREVENT LEAKAGE INTO BUILDING.
3. PROVIDE FIRE ALARM PULL ENCLOSURE SURFACE MOUNTED ON TOP OF EXISTING WALKCOVER PER DETAIL #9/E10.2.
4. ROUTE NEW FIRE ALARM FEEDER ON TOP OF THE EXISTING WALKCOVER AND COORDINATE THE EXACT ROUTING WITH THE EXISTING CONDUITS. PROVIDE NEW CONDUIT SUPPORTS PER DETAIL #4/E10.1.
5. EXISTING ANNUNCIATOR LOCATED IN CONSTANTLY ATTENDED LOCATION WITHIN LOBBY RECEPTION AREA.
6. — - — EF — - — DENOTES THE APPROXIMATE LOCATION OF EXISTING 'FIRE ALARM' FEEDERS AND/OR 'SPARE' CONDUITS. VERIFY EXACT LOCATION AT SITE.
7. REFER TO BUILDING E - FIRE ALARM PLANS, SHEET #E6.3 FOR FIRE ALARM WORK AT BUILDING K.
8. MOUNT HEAT DETECTOR WITHIN THREE FEET OF HIGHEST POINT OF THE RESPECTIVE ATTIC SPACE.
9. RUN 3/4"C - TWO 'FA' CABLE, TWO 'FAP' CABLE (24VDC AUXILIARY POWER FOR SOUNDER BASE AT CO DETECTOR) BETWEEN ADDRESSABLE DEVICES.
10. REFER TO SITE ELECTRICAL PLAN, SHEET #ES1.2, FOR CONTINUATION.
11. 3/4"C - ONE 'FSP' CABLE, 2 #12.
12. 1/2"C - ONE 'FSP' CABLE.

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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TITLE
ENLARGED
SITE FIRE ALARM
PLAN

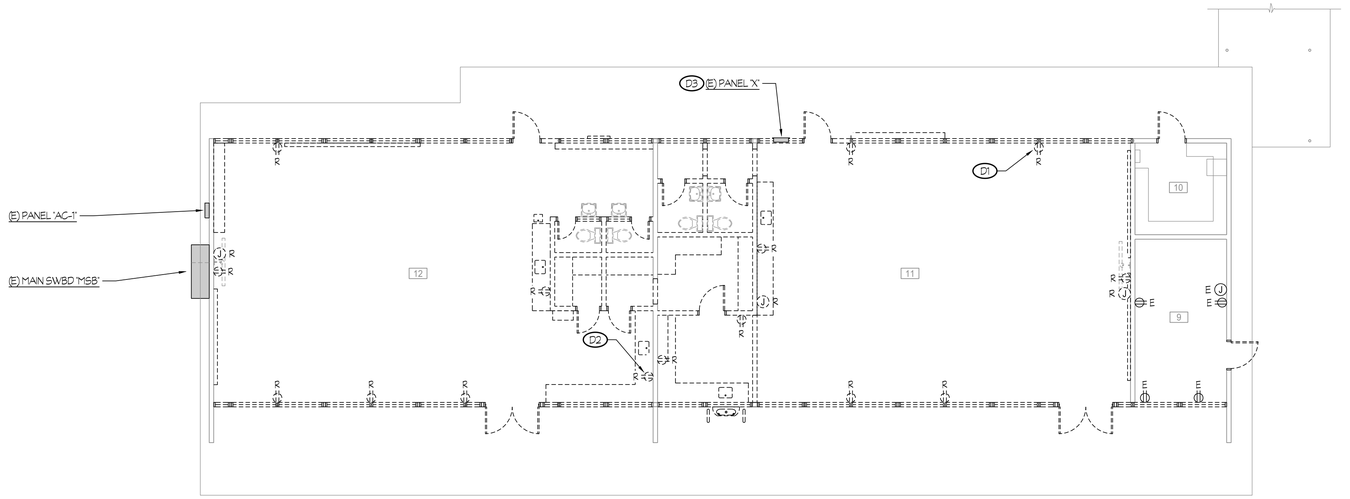
ES1.4

PROJECT 24043

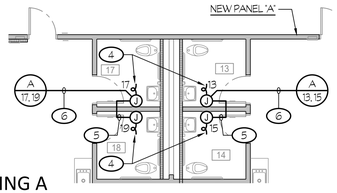
Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth ~ (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
JEREMY K. TIRK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

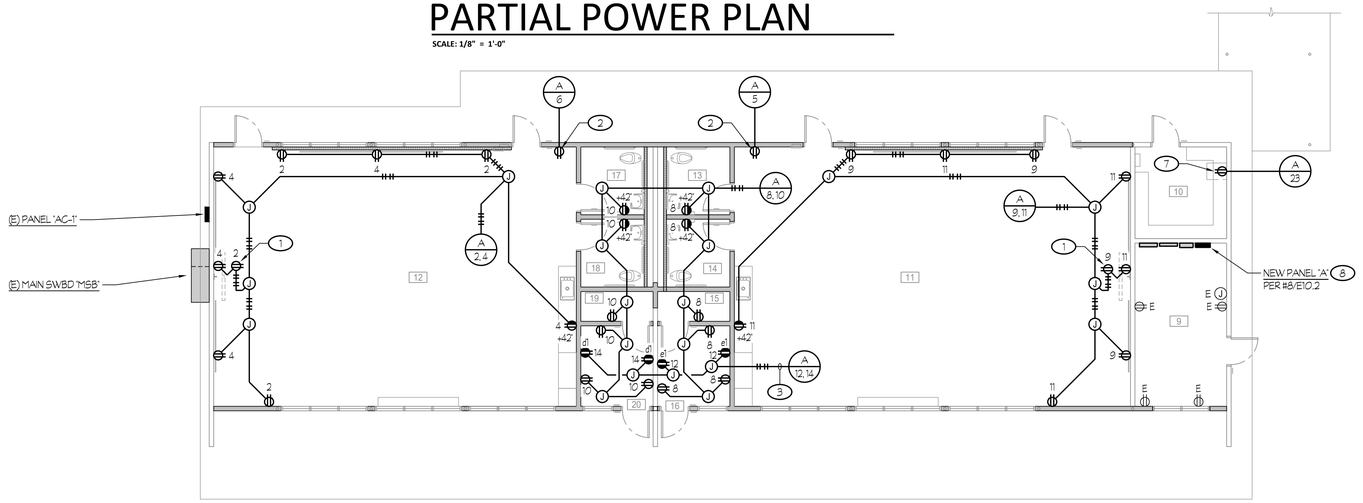
Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\ES1.4.dwg DATE SAVED: 10/21/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE



BUILDING A
DEMOLITION POWER PLAN
SCALE: 1/8" = 1'-0"



BUILDING A
PARTIAL POWER PLAN
SCALE: 1/8" = 1'-0"



BUILDING A
POWER PLAN
SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

D1 TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALLS BEING REMOVED, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

D2 TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALL TO REMAIN, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

D3 DISCONNECT AND REMOVE EXISTING PANEL. RE-FEED ANY EXISTING BRANCH CIRCUITS, WHICH ARE TO REMAIN IN-USE, FROM NEW PANEL 'A'. MAKE ARRANGEMENTS WITH GENERAL CONTRACTOR TO INFILL 'IDLE' WALL OPENING AND PROVIDE CEMENT PLASTER TO MATCH ADJACENT SURFACE.

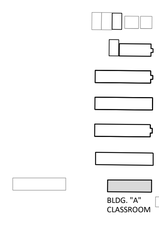
NOTES (THIS SHEET ONLY):

1. FLUSH MOUNT DUPLEX RECEPTACLE BEHIND THE SMART MONITOR AT +58" A.F.F., U.O.N.. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
2. DUPLEX RECEPTACLE FOR CHARGING CART. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
3. ROUTE CIRCUIT THROUGH RECEPTACLE RELAY PACK. SEE SHEET #E1.2 FOR POWER RELAY PACK LOCATION.
4. CONNECT ELECTRIC HAND DRYER, 120V 1,450W. COORDINATE THE EXACT 'POINT-OF-CONNECTION' WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
5. 1/2"C - 2 #10 + 1 #10 GND.
6. 3/4"C - 4 #10 + 1 #10 GND.
7. PROVIDE RECEPTACLE FOR IDF. CUT AND PATCH WALL AS REQUIRED.
8. PROVIDE CONDUIT ENCLOSING SHROUD PER DETAIL #9/E7.6.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
9	PSYCH	(E) VARIES
10	STORAGE	(E) 10'-0"
11	CLASSROOM	9'-6"
12	CLASSROOM	9'-6"
13	TOILET	10'-0"
14	TOILET	10'-0"
15	STORAGE	10'-0"
16	OFFICE	10'-0"
17	TOILET	10'-0"
18	TOILET	10'-0"
19	STORAGE	10'-0"
20	OFFICE	10'-0"



BUILDING SITE KEY

north

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORELLI
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING A
POWER PLANS

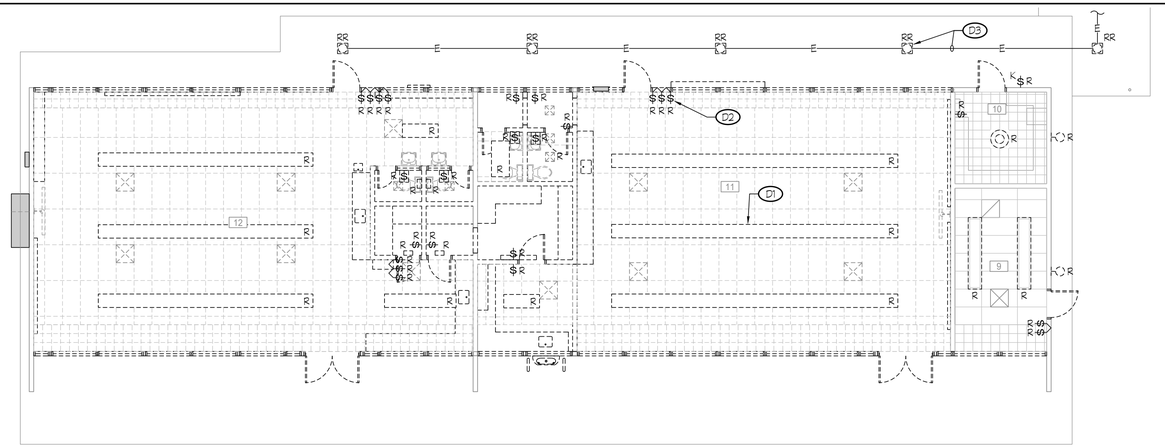
E1.1

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
STEVEN KIRK EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

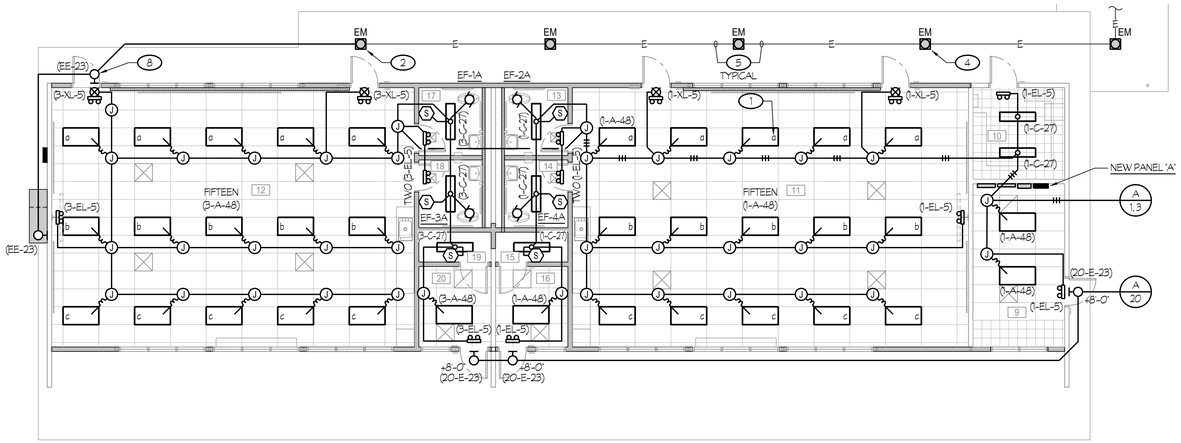
Z:\Drafting\Jobs\RSES\24003\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E1.1.dwg DATE SAVED: 09/25/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE



BUILDING A

DEMOLITION LIGHTING PLAN

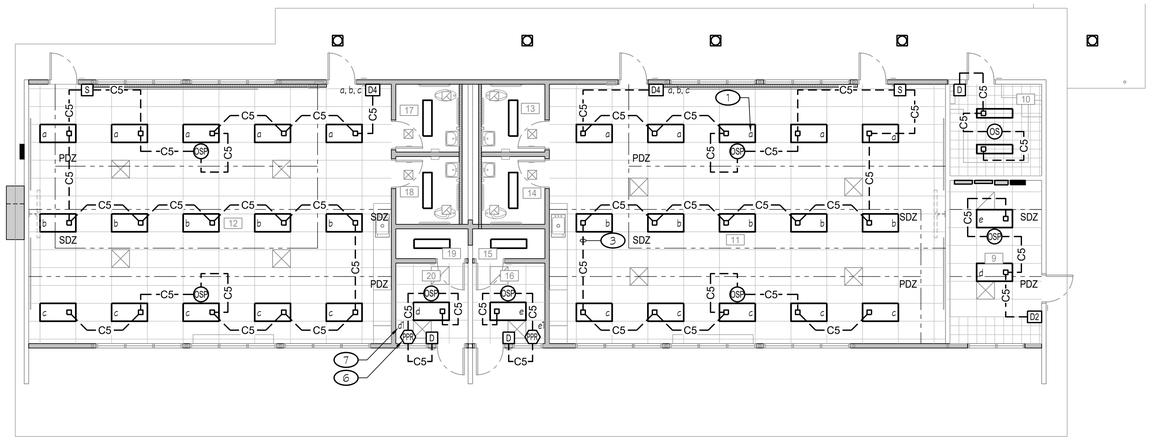
SCALE: 1/8" = 1'-0"



BUILDING A

LIGHTING PLAN

SCALE: 1/8" = 1'-0"



BUILDING A

LIGHTING CONTROLS PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

(D1) TYPICAL OF ALL EXISTING LIGHT FIXTURES, KEYNOTED WITH SUBSCRIPT 'R'; DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. REMOVE EXISTING 'IDLE' JUNCTION/OUTLET BOXES, CONDUIT AND CONDUCTORS TO CLEAR WAY FOR NEW CONSTRUCTION.

(D2) TYPICAL OF ALL EXISTING LIGHT SWITCHES KEYNOTED WITH SUBSCRIPT 'R'; DISCONNECT AND REMOVE EXISTING LIGHT SWITCH. AT EXISTING STUD WALLS, REMOVE OUTLET BOX, CONDUIT AND CONDUCTORS AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BELOW THE EXISTING FINISH FLOOR.

(D3) DISCONNECT AND REMOVE THE EXISTING LIGHT FIXTURE BEING REPLACED WITH A NEW LIGHT FIXTURE. REMOVE THE EXISTING BRANCH CIRCUIT CONDUCTORS AND SALVAGE THE EXISTING 'IDLE' CONDUIT TO RECONNECT TO THE NEW LIGHT FIXTURE PER BUILDING A LIGHTING PLAN, BELOW. TYPICAL U.O.N..

NOTES (THIS SHEET ONLY):

(1) LOWER CASE LETTER DENOTES RESPECTIVE CONTROL ZONE, TYPICAL.

(2) SYMBOLS EM, EM DENOTE LIGHT FIXTURE EQUIPPED WITH AN EMERGENCY BATTERY PACK. CONNECT PER DETAIL #3/E10.2.

(3) — — C5 — — DENOTES CAT. 5e CABLE. ELECTRICAL CONTRACTOR MAY USE PRETERMINATED CAT. 5e CABLING OR PROVIDE CAT. 5e CABLING, MODULAR JACKS ON EACH END AND TERMINATE THE MODULAR JACKS USING THE TIA/EIA-568-B.2 PIN-PAIR SPECIFICATION. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND OUTLET BOXES IN WALLS FOR ROUTING OF CABLING. CABLE MAY BE ROUTED IN FREE-AIR, WHEN LOCATED IN ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILINGS, AT GYPBOARD CEILINGS, PROVIDE A DOUBLE-GANG LOW VOLTAGE MOUNTING PLATE BRACKET, CADDY #MPLS2 OR EQUAL, AT THE RJ-45 JACKS (EMBEDDED CONTROLS) OF THE SURFACE MOUNTED LIGHT FIXTURES FOR PASSAGE OF 5e CABLING.

(4) MOUNT THE NEW TYPE 'DE' FIXTURE AT THE SAME LOCATION AS THE EXISTING LIGHT FIXTURE WHICH WAS REMOVED DURING DEMOLITION. REPAIR/PATCH PLASTER AS REQUIRED.

(5) EXISTING LIGHTING CIRCUIT. PICK-UP AND EXTEND EXISTING 'IDLE' CONDUITS, SALVAGED DURING DEMOLITION, TO A NEW FLUSH MOUNTED OUTLET BOX LOCATED BEHIND THE NEW SURFACE MOUNTED LIGHT FIXTURE. PROVIDE NEW 2 x 6 BLOCKING BETWEEN EXISTING 2 x 8 (OR 2 x 10) RAFTERS AS REQUIRED. PULL-IN NEW 3 #12 + 1 #12 GND INSIDE OF THE 'IDLE' AND RE-CONFIGURED CONDUIT SYSTEM. 1 #12 SHALL BE THE 'UNSWITCHED' LIGHTING CIRCUIT AND BE CONNECTED TO THE INTEGRAL EMERGENCY BATTERY PACK. THIS 'UNSWITCHED' LIGHTING SHALL BE DERIVED FROM THE 'COMMON' LIGHTING CIRCUIT, BUT CONNECT ON THE 'LINE-SIDE' OF THE RESPECTIVE RELAY CONTROLLED BY THE E.M.S. SYSTEM.

(6) PROVIDE RECEPTACLE POWER RELAY. MOUNT ON WALL ADJACENT TO OR BELOW LIGHT SWITCH OR IN ACCESSIBLE ATTIC ABOVE T-BAR CEILING. ROUTE 120V RECEPTACLE POWER THROUGH CONTACTS. SEE SHEET #E1.1, KEYNOTE #3. TYPICAL, U.O.N..

(7) DENOTES POWER RELAY PACK THAT CONTROL ROOM DEVICES. SEE CORRESPONDING NOMENCLATURE FOR ROOM POWER CIRCUIT ON POWER PLAN. TYPICAL, U.O.N..

(8) SURFACE MOUNT NEW TYPE 'EE' FIXTURE. PROVIDE NEW CONDUIT AND CONDUCTORS AS REQUIRED TO THE 'UPSTREAM' TYPE 'DE' FIXTURE.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
9	PSYCH	(E) VARIES
10	STORAGE	(E) 10'-0"
11	CLASSROOM	9'-6"
12	CLASSROOM	9'-6"
13	TOILET	10'-0"
14	TOILET	10'-0"
15	STORAGE	10'-0"
16	OFFICE	10'-0"
17	TOILET	10'-0"
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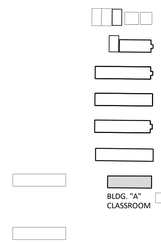

BUILDING SITE KEY

north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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(559) 627.1926 Fax

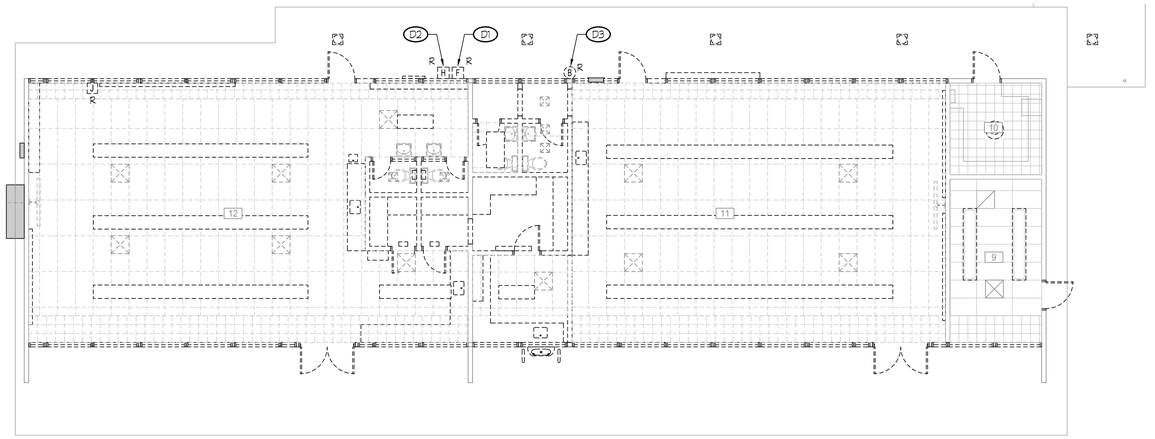
TITLE
BUILDING A
LIGHTING PLANS

E1.2

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
KIRK D. EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 – Monroe Elem Modernization\E1.2.dwg DATE SAVED: 09/29/25 By: Nicole DATE PLOTTED: 10/24/25 - JOB # 24-092-SE



BUILDING A

DEMOLITION FIRE ALARM PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES (THIS SHEET ONLY):

(D1) DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED MANUAL PULL STATION. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

(D2) DISCONNECT AND REMOVE EXISTING HORN AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

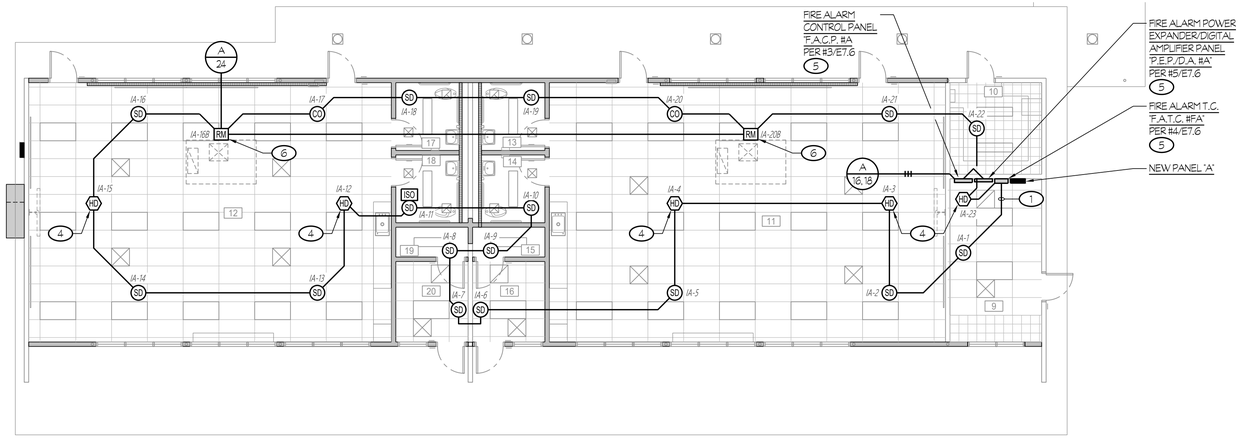
(D3) DISCONNECT AND REMOVE EXISTING FIRE ALARM BELL AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

NOTES (THIS SHEET ONLY):

1. TYPICAL OF FIRE ALARM CIRCUITING BETWEEN ADDRESSABLE DEVICES (CONNECTED ONTO THE SIGNALING LINE CIRCUIT 'SLC'), U.O.N.:
   RUN 3/4"C - ONE "FA" CABLE, ONE "FAP" CABLE (24VDC AUXILIARY POWER FOR SOUNDER BASE AT CO DETECTOR) BETWEEN ADDRESSABLE DEVICES.
2. TYPICAL OF FIRE ALARM CIRCUITING BETWEEN NOTIFICATION APPLIANCES, U.O.N.:
   RUN 3/4"C - ONE "FSP" CABLE, 2 #12 BETWEEN NOTIFICATION APPLIANCES.
3. 1/2"C - ONE "FSP" CABLE.
4. MOUNT HEAT DETECTOR WITHIN THREE FEET OF HIGHEST POINT OF THE RESPECTIVE ATTIC SPACE.
5. PROVIDE CONDUIT ENCLOSING SHROUD PER DETAIL #9/E7.6.
6. PROVIDE A RELAY MODULE FOR 'UNIT SHUTDOWN' OF RESPECTIVE AC UNIT. FLUSH MOUNT IN T-BAR CEILING (OR GYPBOARD CEILING), U.O.N.. COORDINATE WITH MECHANICAL CONTRACTOR TO PROVIDE THE INTERCONNECTION CONDUIT/ CONDUCTORS AND ANY ADDITIONAL REQUIREMENTS . PROVIDE AN ENGRAVED NAMEPLATE: 'UNIT SHUTDOWN, HP-_'.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

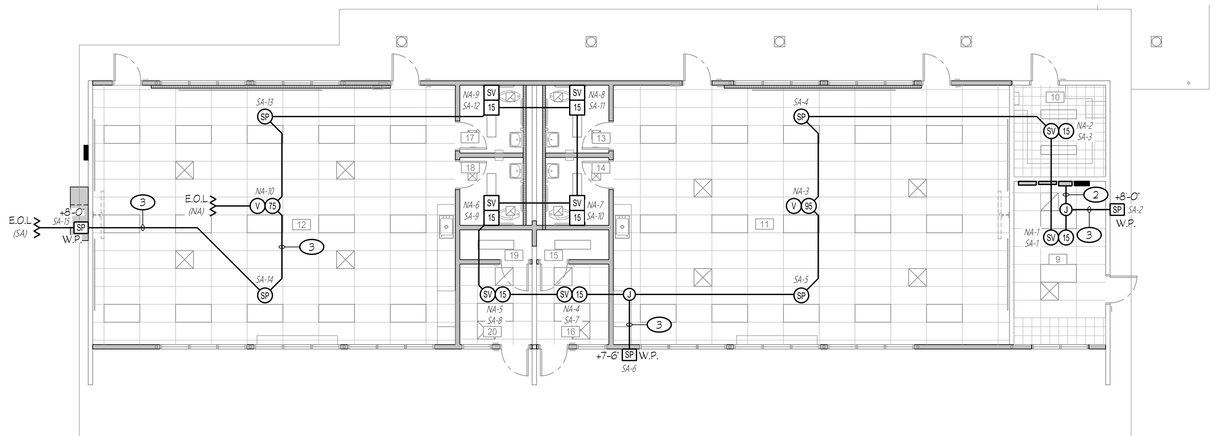


north

BUILDING A

FIRE ALARM PLAN - INITIATION

SCALE: 1/8" = 1'-0"



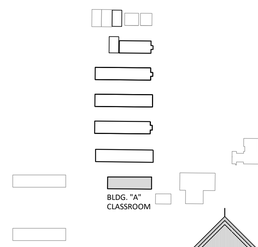
north

BUILDING A

FIRE ALARM PLAN - NOTIFICATION

SCALE: 1/8" = 1'-0"

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
9	PSYCH	(E) VARIES
10	STORAGE	(E) 10'-0"
11	CLASSROOM	9'-6"
12	CLASSROOM	9'-6"
13	TOILET	10'-0"
14	TOILET	10'-0"
15	STORAGE	10'-0"
16	OFFICE	10'-0"
17	TOILET	10'-0"
18	TOILET	10'-0"
19	STORAGE	10'-0"
20	OFFICE	10'-0"



BUILDING SITE KEY

north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
KAREN K. KIRK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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(559) 627.0530 Office
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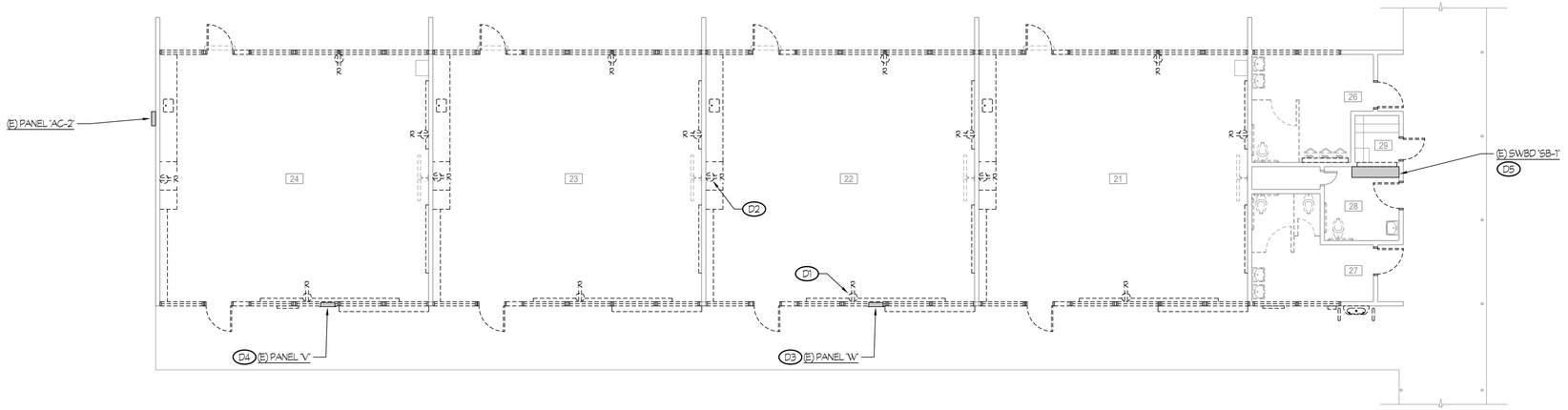
TITLE
BUILDING A
FIRE ALARM PLANS

E1.3

PROJECT 24043

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E1.3.dwg DATE SAVED: 09/25/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE



BUILDING A1

DEMOLITION POWER PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

(D1) TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALLS BEING REMOVED, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

(D2) TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALL TO REMAIN, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

(D3) DISCONNECT AND REMOVE EXISTING PANEL. RE-FEED ANY EXISTING BRANCH CIRCUITS, WHICH ARE TO REMAIN IN-USE, FROM NEW PANEL 'A1A'. MAKE ARRANGEMENTS WITH GENERAL CONTRACTOR TO INFILL 'IDLE' WALL OPENING AND PROVIDE CEMENT PLASTER TO MATCH ADJACENT SURFACE.

(D4) DISCONNECT AND REMOVE EXISTING PANEL. RE-FEED ANY EXISTING BRANCH CIRCUITS, WHICH ARE TO REMAIN IN-USE, FROM NEW PANEL 'A1B'. MAKE ARRANGEMENTS WITH GENERAL CONTRACTOR TO INFILL 'IDLE' WALL OPENING AND PROVIDE CEMENT PLASTER TO MATCH ADJACENT SURFACE.

(D5) DISCONNECT AND REMOVE EXISTING SWITCHBOARD. REMOVE ALL EXISTING 'IDLE' BRANCH CIRCUITING AND RESPECTIVE FEEDER AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY EXPOSED UNDERGROUND CONDUITS SHALL BE REMOVED TO BELOW TOP OF EXISTING CONCRETE SLAB.

NOTES (THIS SHEET ONLY):

(1) FLUSH MOUNT DUPLEX RECEPTACLE BEHIND THE SMART MONITOR AT +58" A.F.F., U.O.N.. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.

(2) DUPLEX RECEPTACLE FOR CHARGING CART. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.

(3) CONNECT ELECTRIC HAND DRYER, 120V 1,450W. COORDINATE THE EXACT 'POINT-OF-CONNECTION' WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

(4) 1/2"C - 2 #10 + 1 #10 GND.

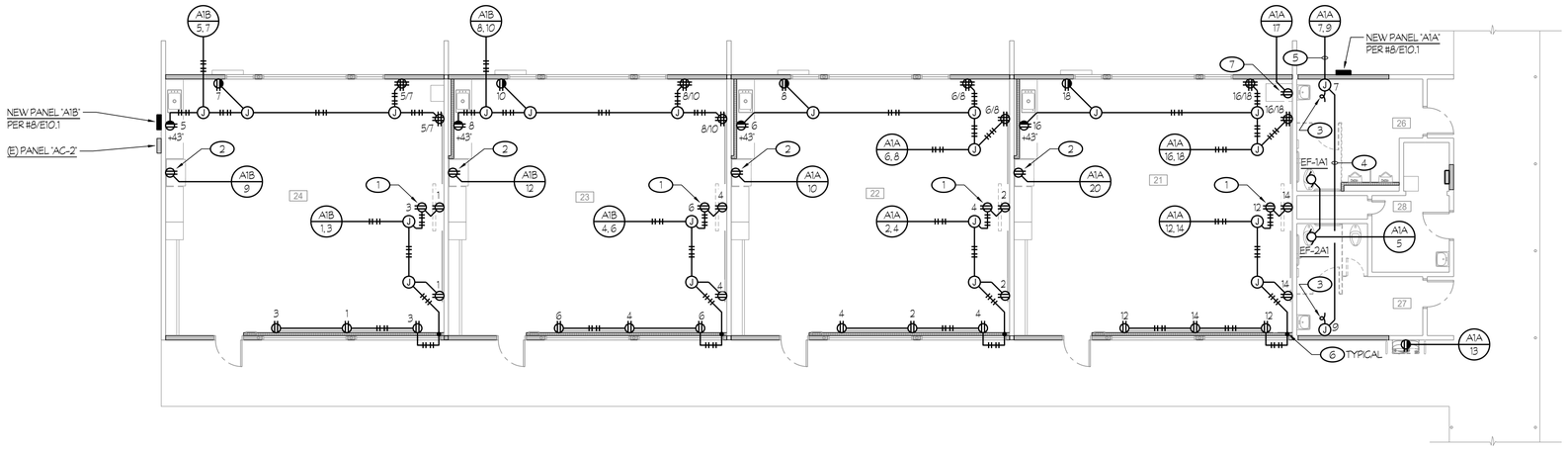
(5) 3/4"C - 4 #10 + 1 #10 GND.

(6) SYMBOL ●— DENOTES RUN CONDUIT DOWN INSIDE WALL.

(7) PROVIDE RECEPTACLE FOR IDF.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.



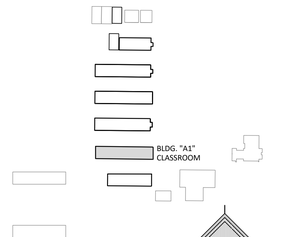
BUILDING A1

POWER PLAN

SCALE: 1/8" = 1'-0"

north

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
21	CLASSROOM	9'-6"
22	CLASSROOM	9'-6"
23	CLASSROOM	9'-6"
24	CLASSROOM	9'-6"
26	BOYS	(E) VARIES
27	GIRLS	(E) VARIES
28	JANITOR	(E) 8'-6"



BUILDING SITE KEY

north

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TITLE
BUILDING A1
POWER PLANS

E2.1

PROJECT 24043

Rose Sing Eastham & Associates
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REGISTERED PROFESSIONAL ENGINEER
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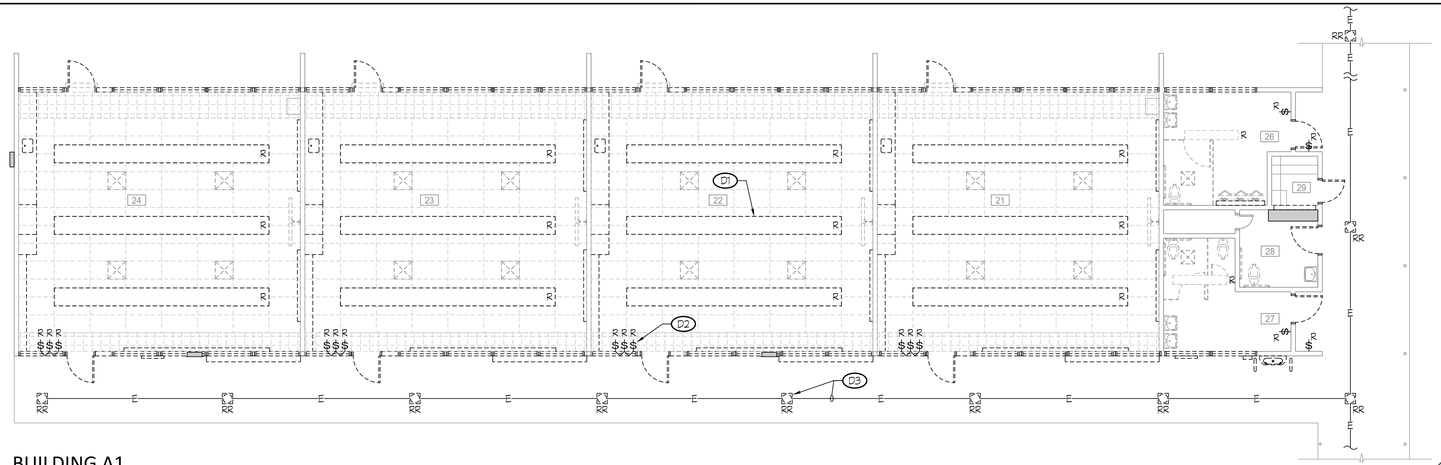
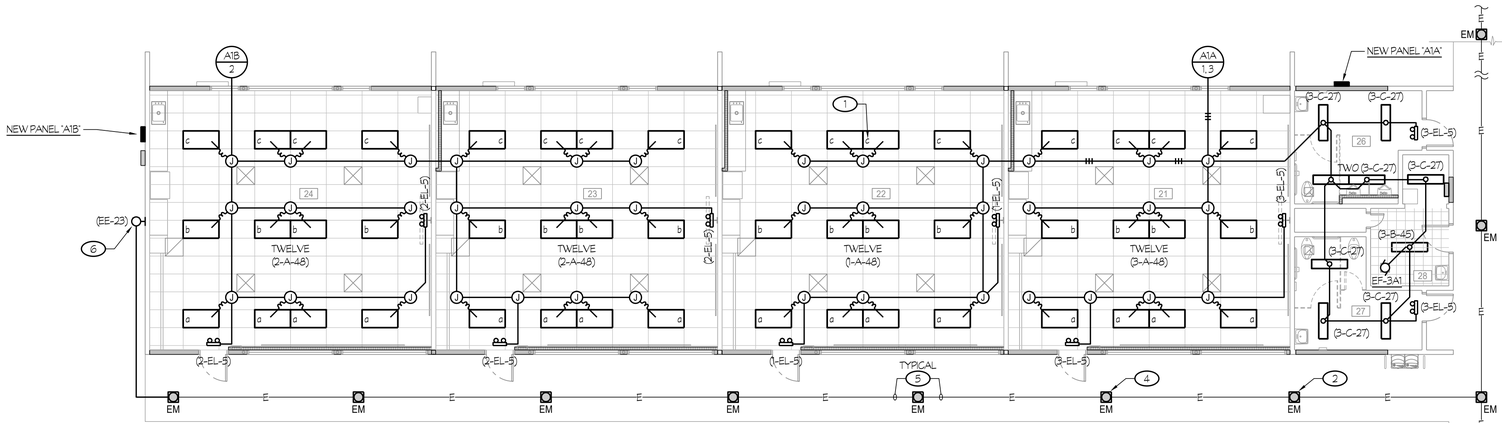


BUILDING A1

DEMOLITION LIGHTING PLAN

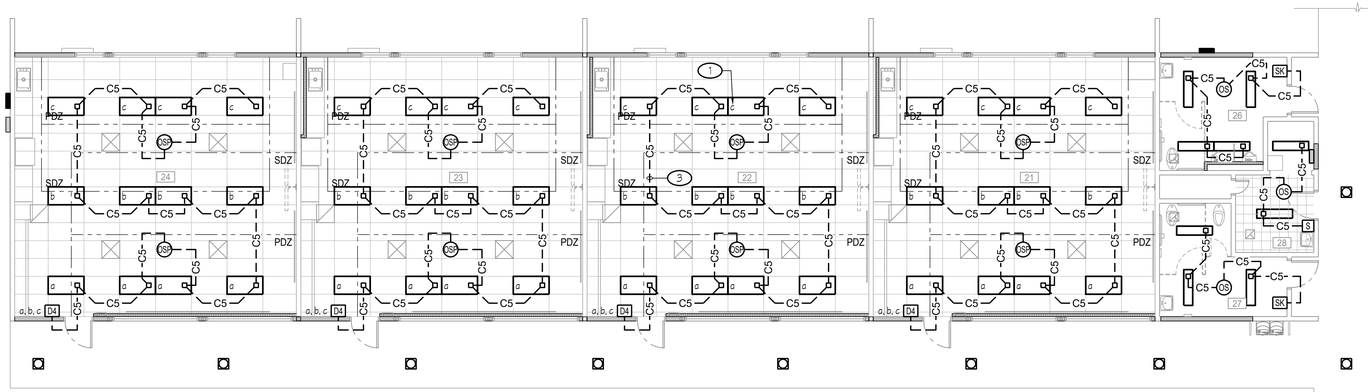
SCALE: 1/8" = 1'-0"



BUILDING A1

LIGHTING PLAN

SCALE: 1/8" = 1'-0"



BUILDING A1

LIGHTING CONTROLS PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES (THIS SHEET ONLY):

D1 TYPICAL OF ALL EXISTING LIGHT FIXTURES, KEYNOTED WITH SUBSCRIPT 'R': DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. REMOVE EXISTING 'IDLE' JUNCTION/OUTLET BOXES, CONDUIT AND CONDUCTORS TO CLEAR WAY FOR NEW CONSTRUCTION.

D2 TYPICAL OF ALL EXISTING LIGHT SWITCHES KEYNOTED WITH SUBSCRIPT 'R': DISCONNECT AND REMOVE EXISTING LIGHT SWITCH. AT EXISTING STUD WALLS, REMOVE OUTLET BOX, CONDUIT AND CONDUCTORS AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BELOW THE EXISTING FINISH FLOOR.

D3 DISCONNECT AND REMOVE THE EXISTING LIGHT FIXTURE BEING REPLACED WITH A NEW LIGHT FIXTURE. REMOVE THE EXISTING BRANCH CIRCUIT CONDUCTORS AND SALVAGE THE EXISTING 'IDLE' CONDUIT TO RECONNECT TO THE NEW LIGHT FIXTURE PER BUILDING A1 LIGHTING PLAN, BELOW. TYPICAL U.O.N..

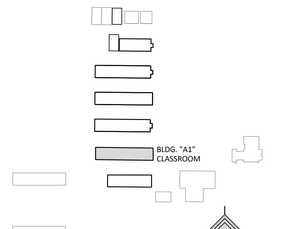
NOTES (THIS SHEET ONLY):

1. LOWER CASE LETTER DENOTES RESPECTIVE CONTROL ZONE, TYPICAL.
2. SYMBOLS EM, EM DENOTE LIGHT FIXTURE EQUIPPED WITH AN EMERGENCY BATTERY PACK. CONNECT PER DETAIL #3/E10.2.
3. — — C5 — — DENOTES CAT. 5e CABLE. ELECTRICAL CONTRACTOR MAY USE PRETERMINATED CAT. 5e CABLING OR PROVIDE CAT. 5e CABLING, MODULAR JACKS ON EACH END AND TERMINATE THE MODULAR JACKS USING THE TIA/EIA-568-B.2 PIN-PAIR SPECIFICATION. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND OUTLET BOXES IN WALLS FOR ROUTING OF CABLING. CABLE MAY BE ROUTED IN FREE-AIR, WHEN LOCATED IN ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILINGS, AT GYPBOARD CEILINGS, PROVIDE A DOUBLE-GANG LOW VOLTAGE MOUNTING PLATE BRACKET, CADDY #MPLS2 OR EQUAL, AT THE RJ-45 JACKS (EMBEDDED CONTROLS) OF THE SURFACE MOUNTED LIGHT FIXTURES FOR PASSAGE OF 5e CABLING.
4. MOUNT THE NEW TYPE 'DE' FIXTURE AT THE SAME LOCATION AS THE EXISTING LIGHT FIXTURE WHICH WAS REMOVED DURING DEMOLITION. REPAIR/PATCH PLASTER AS REQUIRED.
5. EXISTING LIGHTING CIRCUIT. PICK-UP AND EXTEND EXISTING 'IDLE' CONDUITS, SALVAGED DURING DEMOLITION, TO A NEW FLUSH MOUNTED OUTLET BOX LOCATED BEHIND THE NEW SURFACE MOUNTED LIGHT FIXTURE. PROVIDE NEW 2 x 6 BLOCKING BETWEEN EXISTING 2 x 8 (OR 2 x 10) RAFTERS AS REQUIRED. PULL-IN NEW 3 #12 + 1 #12 GND INSIDE OF THE 'IDLE' AND RE-CONFIGURED CONDUIT SYSTEM. 1 #12 SHALL BE THE 'UNSWITCHED' LIGHTING CIRCUIT AND BE CONNECTED TO THE INTEGRAL EMERGENCY BATTERY PACK. THIS 'UNSWITCHED' LIGHTING SHALL BE DERIVED FROM THE 'COMMON' LIGHTING CIRCUIT, BUT CONNECT ON THE 'LINE-SIDE' OF THE RESPECTIVE RELAY CONTROLLED BY THE E.M.S. SYSTEM.
6. SURFACE MOUNT NEW TYPE 'EE' FIXTURE. PROVIDE NEW CONDUIT AND CONDUCTORS AS REQUIRED TO THE 'UPSTREAM' TYPE 'DE' FIXTURE.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
21	CLASSROOM	9'-6"
22	CLASSROOM	9'-6"
23	CLASSROOM	9'-6"
24	CLASSROOM	9'-6"
26	BOYS	(E) VARIES
27	GIRLS	(E) VARIES
28	JANITOR	(E) 8'-6"



BUILDING SITE KEY

north

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORELLI
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

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4320 West Mineral King Avenue
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(559) 627.1926 Fax

TITLE
BUILDING A1
LIGHTING PLANS

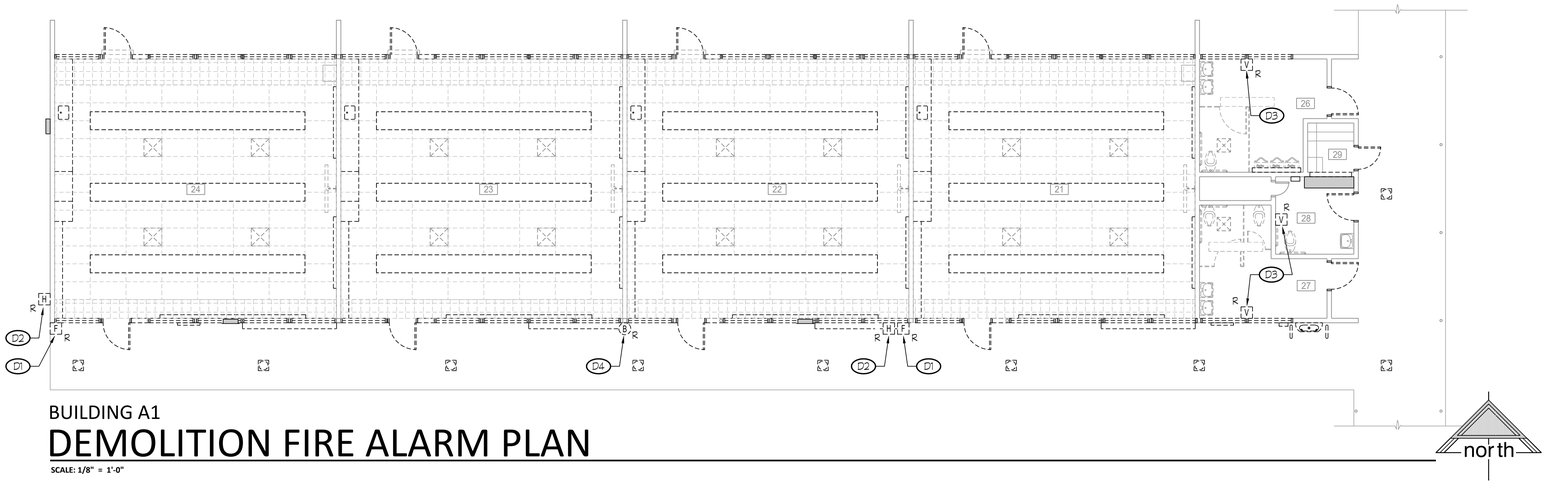
E2.2

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
JENNIFER K. TRA
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford Monroe ES\24043 – Monroe Elem Modernization\E2.2.dwg DATE SAVED: 09/29/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE



BUILDING A1

DEMOLITION FIRE ALARM PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

D1 DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED MANUAL PULL STATION. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

D2 DISCONNECT AND REMOVE EXISTING HORN AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

D3 DISCONNECT AND REMOVE VISUAL STROBE AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

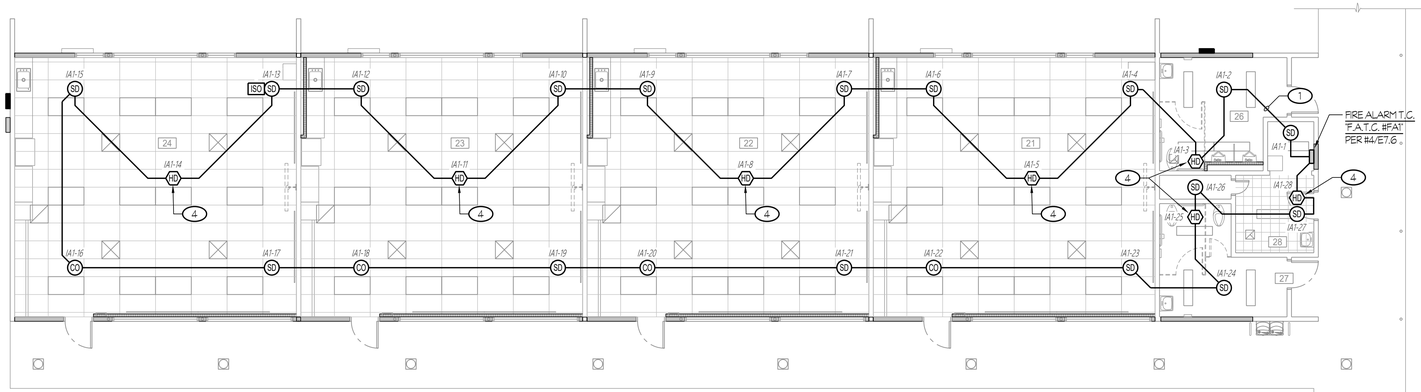
D4 DISCONNECT AND REMOVE EXISTING FIRE ALARM BELL AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

NOTES (THIS SHEET ONLY):

1. TYPICAL OF FIRE ALARM CIRCUITING BETWEEN ADDRESSABLE DEVICES (CONNECTED ONTO THE SIGNALING LINE CIRCUIT 'SLC'), U.O.N.: RUN 3/4"C - ONE "FA" CABLE, ONE "FAP" CABLE (24VDC AUXILIARY POWER FOR SOUNDER BASE AT CO DETECTOR) BETWEEN ADDRESSABLE DEVICES.
2. TYPICAL OF FIRE ALARM CIRCUITING BETWEEN NOTIFICATION APPLIANCES, U.O.N.: RUN 3/4"C - ONE "FSP" CABLE, 2 #12 BETWEEN NOTIFICATION APPLIANCES.
3. 1/2"C - ONE "FSP" CABLE.
4. MOUNT HEAT DETECTOR WITHIN THREE FEET OF HIGHEST POINT OF THE RESPECTIVE ATTIC SPACE.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

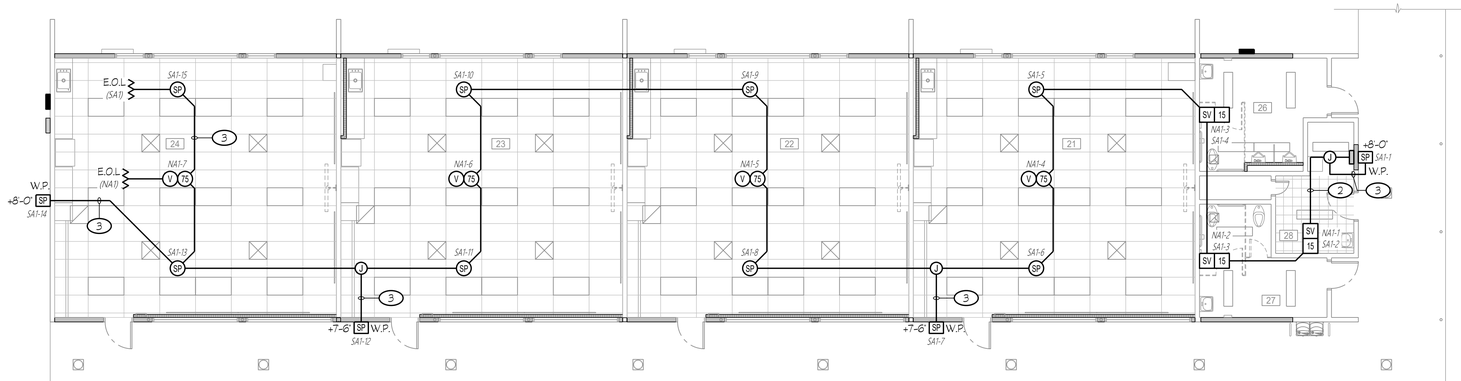


BUILDING A1

FIRE ALARM PLAN - INITIATION

SCALE: 1/8" = 1'-0"

north



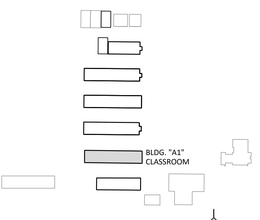
BUILDING A1

FIRE ALARM PLAN - NOTIFICATION

SCALE: 1/8" = 1'-0"

north

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
21	CLASSROOM	9'-6"
22	CLASSROOM	9'-6"
23	CLASSROOM	9'-6"
24	CLASSROOM	9'-6"
26	BOYS	(E) VARIES
27	GIRLS	(E) VARIES
28	JANITOR	(E) 8'-6"



BUILDING SITE KEY

north

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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LICENSED ARCHITECT
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No. C-26128
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www.mangini.us
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TITLE
BUILDING A1
FIRE ALARM PLANS

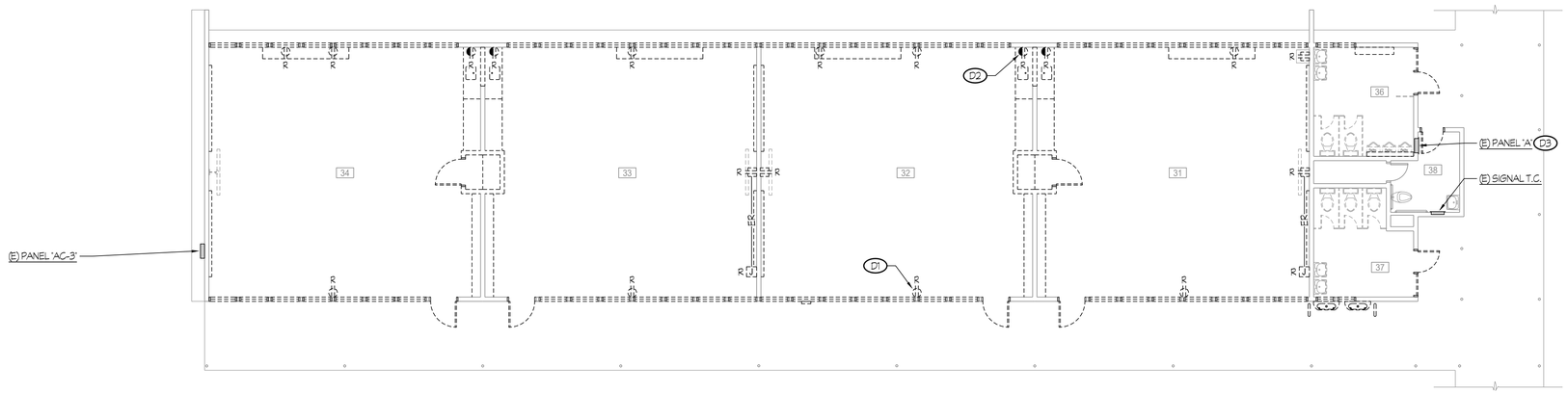
E2.3

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
KIRK S. EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\RSES\24XXX\S\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E2-1.dwg DATE SAVED: 07/10/25 By: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE



BUILDING B

DEMOLITION POWER PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

D1 TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALLS BEING REMOVED, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

D2 TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALL TO REMAIN, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

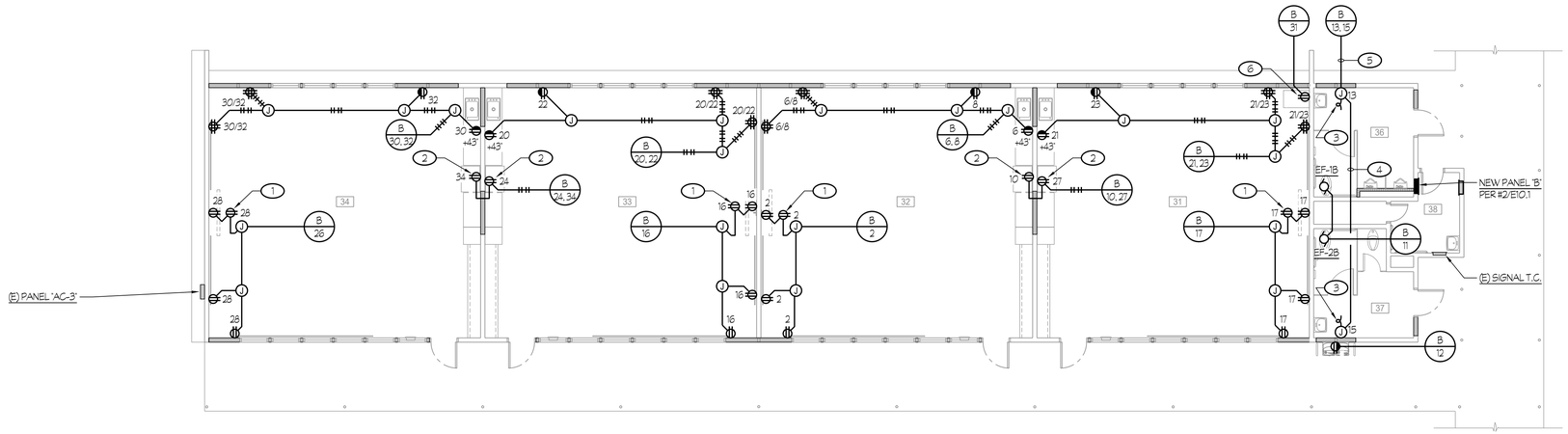
D3 DISCONNECT AND REMOVE EXISTING PANEL BEING REPLACED WITH A NEW PANEL. SALVAGE ANY EXISTING BRANCH CIRCUITS TO REMAIN IN USE AND RECONNECT TO NEW MATCHING CIRCUIT BREAKERS IN NEW PANEL.

NOTES (THIS SHEET ONLY):

1. FLUSH MOUNT DUPLEX RECEPTACLE BEHIND THE SMART MONITOR AT +58" A.F.F., U.O.N.. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
2. DUPLEX RECEPTACLE FOR CHARGING CART. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
3. CONNECT ELECTRIC HAND DRYER, 120V 1,450W. COORDINATE THE EXACT 'POINT-OF-CONNECTION' WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
4. 1/2"C - 2 #10 + 1 #10 GND.
5. 3/4"C - 4 #10 + 1 #10 GND.
6. PROVIDE RECEPTACLE FOR IDF.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.



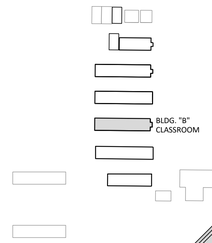
BUILDING B

POWER PLAN

SCALE: 1/8" = 1'-0"

north

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
31	CLASSROOM	9'-6"
32	CLASSROOM	9'-6"
33	CLASSROOM	9'-6"
34	CLASSROOM	9'-6"
36	BOYS	(E) VARIES
37	GIRLS	(E) VARIES
38	WOMEN	(E) 7'-9"



BUILDING SITE KEY

north

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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(559) 627-1926 Fax

TITLE
BUILDING B
POWER PLANS

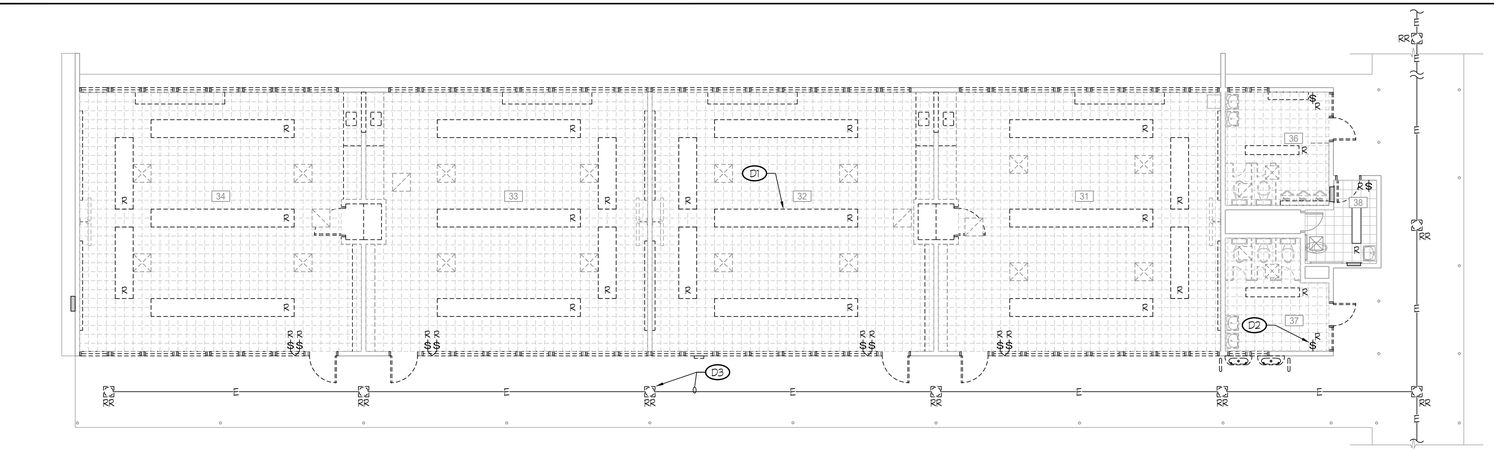
E3.1

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
ROBERT K. KIRK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E3.1.dwg DATE SAVED: 09/08/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE

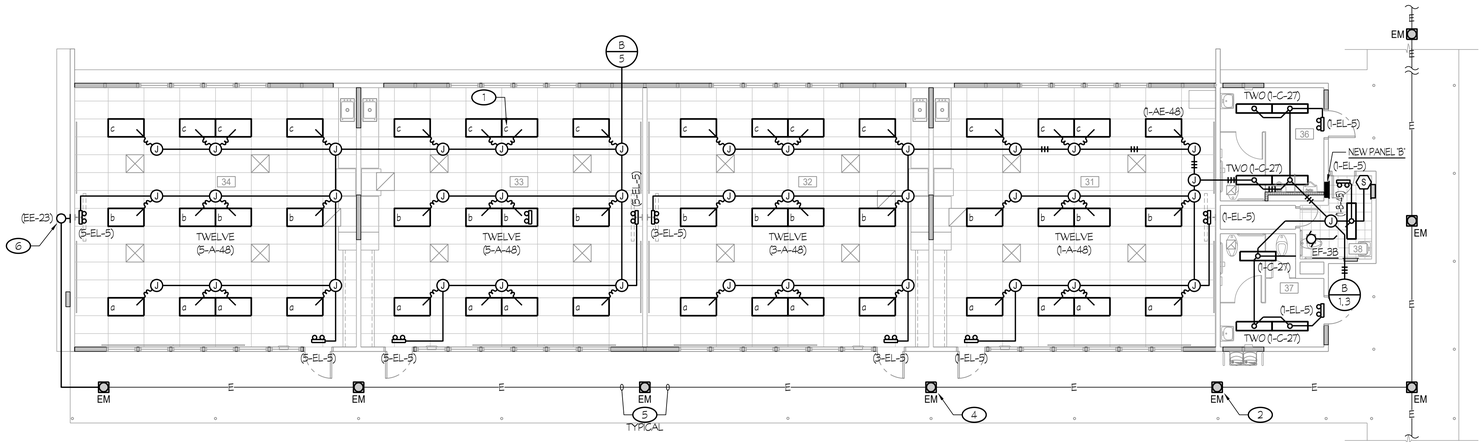


BUILDING B

DEMOLITION LIGHTING PLAN

SCALE: 1/8" = 1'-0"

north

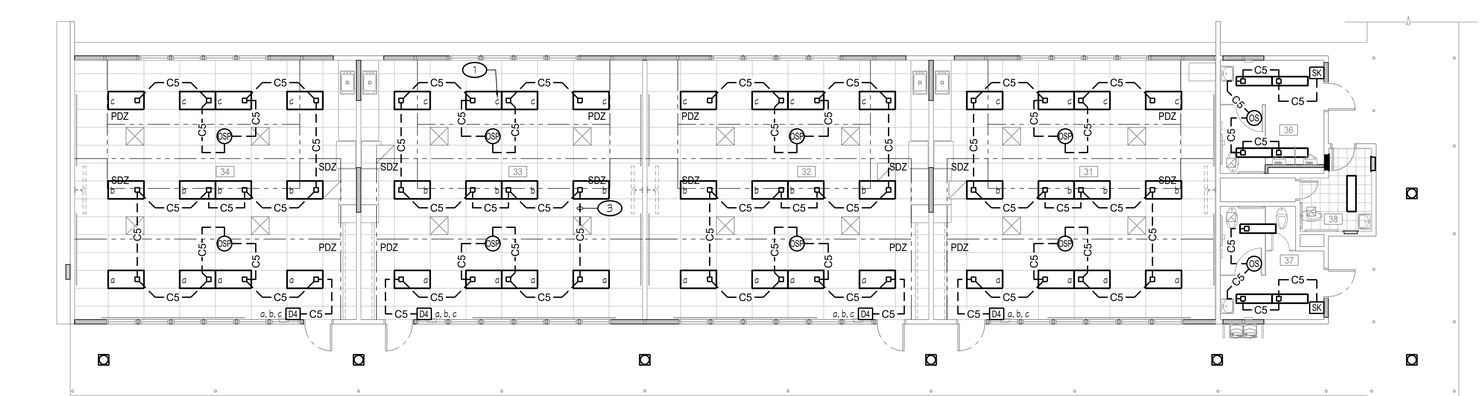


BUILDING B

LIGHTING PLAN

SCALE: 1/8" = 1'-0"

north



BUILDING B

LIGHTING CONTROLS PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

D1 TYPICAL OF ALL EXISTING LIGHT FIXTURES, KEYNOTED WITH SUBSCRIPT 'R': DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. REMOVE EXISTING 'IDLE' JUNCTION/OUTLET BOXES, CONDUIT AND CONDUCTORS TO CLEAR WAY FOR NEW CONSTRUCTION.

D2 TYPICAL OF ALL EXISTING LIGHT SWITCHES KEYNOTED WITH SUBSCRIPT 'R': DISCONNECT AND REMOVE EXISTING LIGHT SWITCH. AT EXISTING STUD WALLS, REMOVE OUTLET BOX, CONDUIT AND CONDUCTORS AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BELOW THE EXISTING FINISH FLOOR.

D3 DISCONNECT AND REMOVE THE EXISTING LIGHT FIXTURE BEING REPLACED WITH A NEW LIGHT FIXTURE. REMOVE THE EXISTING BRANCH CIRCUIT CONDUCTORS AND SALVAGE THE EXISTING 'IDLE' CONDUIT TO RECONNECT TO THE NEW LIGHT FIXTURE PER BUILDING B LIGHTING PLAN, BELOW. TYPICAL U.O.N..

NOTES (THIS SHEET ONLY):

1. LOWER CASE LETTER DENOTES RESPECTIVE CONTROL ZONE, TYPICAL.
2. SYMBOLS EM, EM DENOTE LIGHT FIXTURE EQUIPPED WITH AN EMERGENCY BATTERY PACK. CONNECT PER DETAIL #3/E10.2.
3. — — C5 — — DENOTES CAT. 5e CABLE. ELECTRICAL CONTRACTOR MAY USE PRETERMINATED CAT. 5e CABLING OR PROVIDE CAT. 5e CABLING, MODULAR JACKS ON EACH END AND TERMINATE THE MODULAR JACKS USING THE TIA/EIA-568-B.2 PIN-PAIR SPECIFICATION. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND OUTLET BOXES IN WALLS FOR ROUTING OF CABLING. CABLE MAY BE ROUTED IN FREE-AIR, WHEN LOCATED IN ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILINGS. AT GYPBOARD CEILINGS, PROVIDE A DOUBLE-GANG LOW VOLTAGE MOUNTING PLATE BRACKET, CADDY #MPLS2 OR EQUAL, AT THE RJ-45 JACKS (EMBEDDED CONTROLS) OF THE SURFACE MOUNTED LIGHT FIXTURES FOR PASSAGE OF 5e CABLING.
4. MOUNT THE NEW TYPE 'DE' FIXTURE AT THE SAME LOCATION AS THE EXISTING LIGHT FIXTURE WHICH WAS REMOVED DURING DEMOLITION. REPAIR/PATCH PLASTER AS REQUIRED.
5. EXISTING LIGHTING CIRCUIT. PICK-UP AND EXTEND EXISTING 'IDLE' CONDUITS, SALVAGED DURING DEMOLITION, TO A NEW FLUSH MOUNTED OUTLET BOX LOCATED BEHIND THE NEW SURFACE MOUNTED LIGHT FIXTURE. PROVIDE NEW 2 x 6 BLOCKING BETWEEN EXISTING 2 x 8 (OR 2 x 10) RAFTERS AS REQUIRED. PULL-IN NEW 3 #12 + 1 #12 GND INSIDE OF THE 'IDLE' AND RE-CONFIGURED CONDUIT SYSTEM. 1 #12 SHALL BE THE 'UNSWITCHED' LIGHTING CIRCUIT AND BE CONNECTED TO THE INTEGRAL EMERGENCY BATTERY PACK. THIS 'UNSWITCHED' LIGHTING SHALL BE DERIVED FROM THE 'COMMON' LIGHTING CIRCUIT, BUT CONNECT ON THE 'LINE-SIDE' OF THE RESPECTIVE RELAY CONTROLLED BY THE E.M.S. SYSTEM.
6. SURFACE MOUNT NEW TYPE 'EE' FIXTURE. PROVIDE NEW CONDUIT AND CONDUCTORS AS REQUIRED TO THE 'UPSTREAM' TYPE 'DE' FIXTURE.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
31	CLASSROOM	9'-6"
32	CLASSROOM	9'-6"
33	CLASSROOM	9'-6"
34	CLASSROOM	9'-6"
36	BOYS	(E) VARIES
37	GIRLS	(E) VARIES
38	WOMEN	(E) 7'-9"

BUILDING SITE KEY

BLDG. "B" CLASSROOM

north

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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TITLE
BUILDING B
LIGHTING PLANS

E3.2

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
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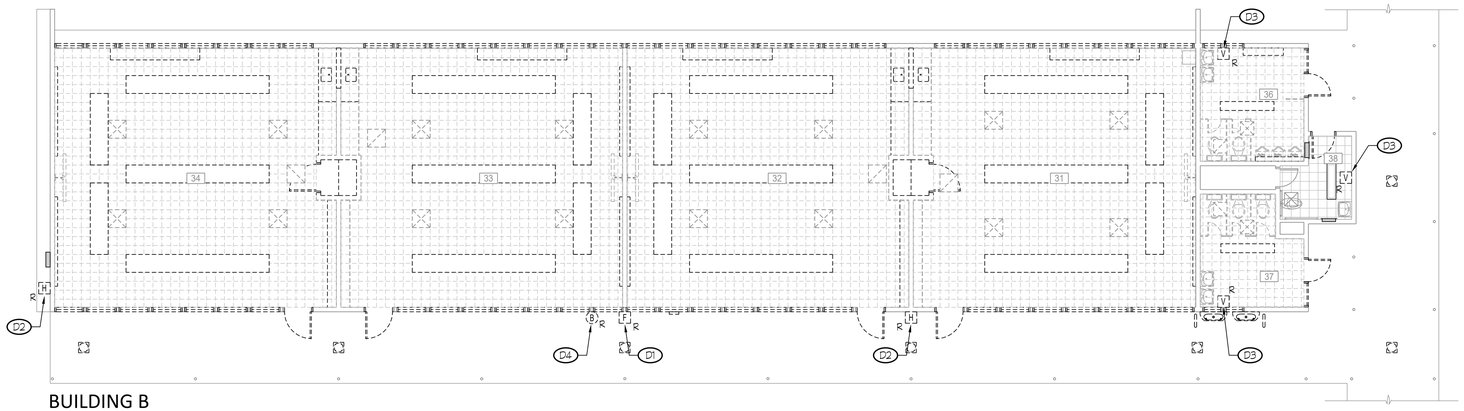


BUILDING B

DEMOLITION FIRE ALARM PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

(D1) DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED MANUAL PULL STATION. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

(D2) DISCONNECT AND REMOVE EXISTING HORN AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

(D3) DISCONNECT AND REMOVE VISUAL STROBE AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

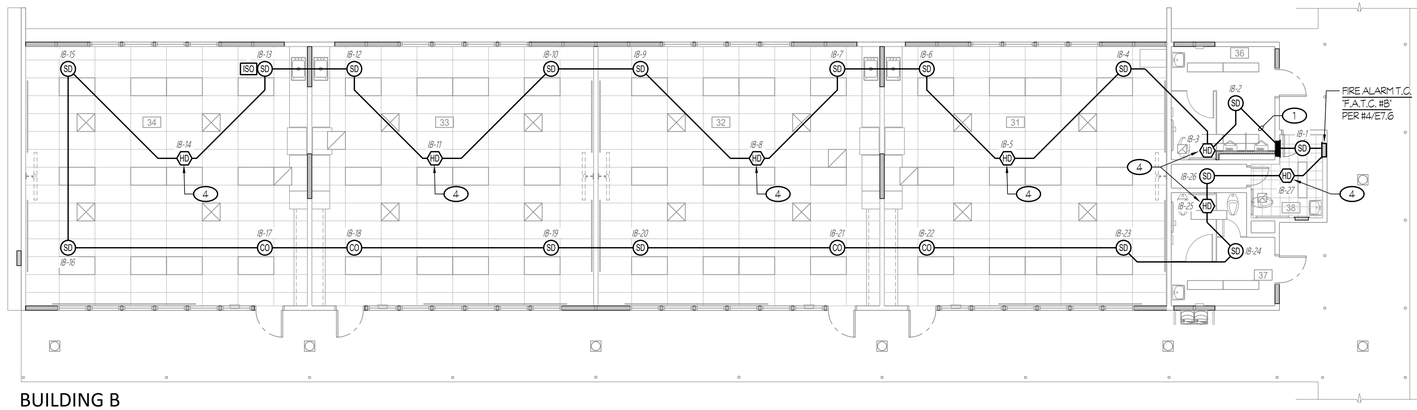
(D4) DISCONNECT AND REMOVE EXISTING FIRE ALARM BELL AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

NOTES (THIS SHEET ONLY):

1. TYPICAL OF FIRE ALARM CIRCUITING BETWEEN ADDRESSABLE DEVICES (CONNECTED ONTO THE SIGNALING LINE CIRCUIT 'SLC'), U.O.N.: RUN 3/4"C - ONE 'FA' CABLE, ONE 'FAP' CABLE (24VDC AUXILIARY POWER FOR SOUNDER BASE AT CO DETECTOR) BETWEEN ADDRESSABLE DEVICES.
2. TYPICAL OF FIRE ALARM CIRCUITING BETWEEN NOTIFICATION APPLIANCES, U.O.N.: RUN 3/4"C - ONE 'FSP' CABLE, 2 #12 BETWEEN NOTIFICATION APPLIANCES.
3. 1/2"C - ONE 'FSP' CABLE.
4. MOUNT HEAT DETECTOR WITHIN THREE FEET OF HIGHEST POINT OF THE RESPECTIVE ATTIC SPACE.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

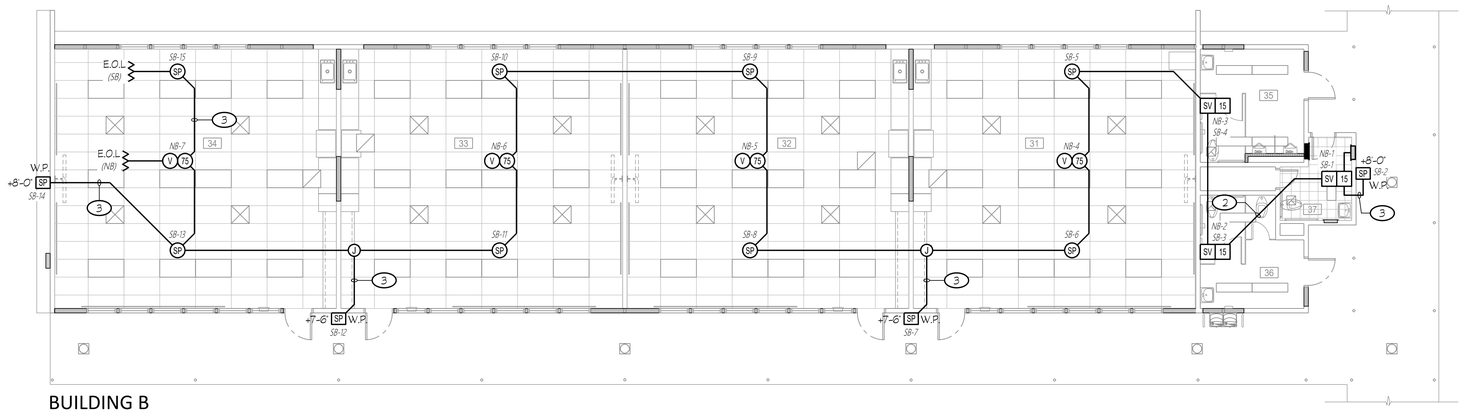


BUILDING B

FIRE ALARM PLAN - INITIATION

SCALE: 1/8" = 1'-0"

north



BUILDING B

FIRE ALARM PLAN - NOTIFICATION

SCALE: 1/8" = 1'-0"

north

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
31	CLASSROOM	9'-6"
32	CLASSROOM	9'-6"
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34	CLASSROOM	9'-6"
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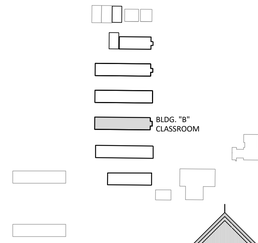
37	GIRLS	(E) VARIES
38	WOMEN	(E) 7'-9"



BUILDING SITE KEY

north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
KAREN K. KIRK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORREU
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

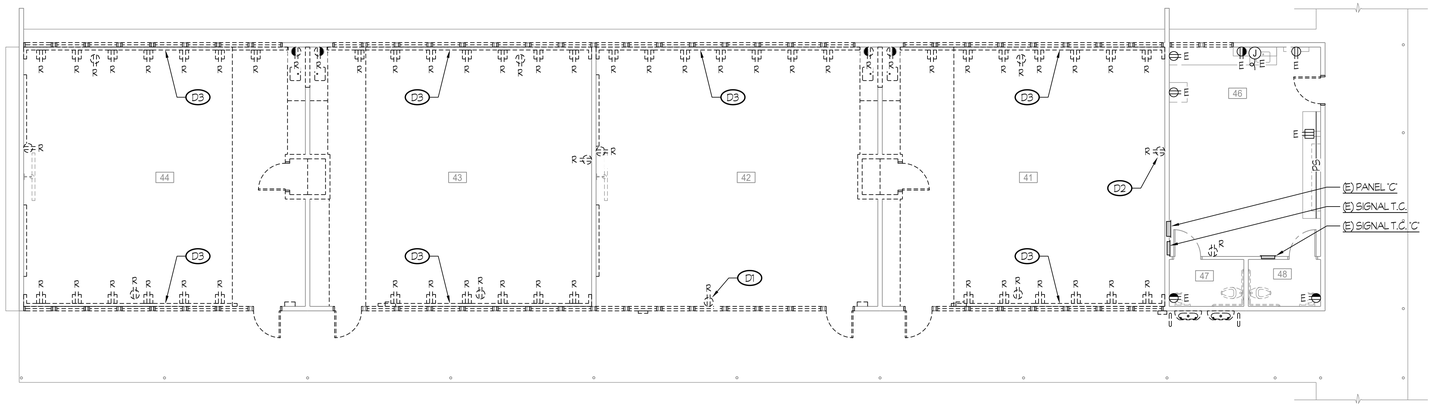
MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
BUILDING B
FIRE ALARM PLANS

E3.3

PROJECT 24043

Z:\Drafting\Jobs\PDF\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E3.3.dwg DATE SAVED: 07/10/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE



BUILDING C

DEMOLITION POWER PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

(D1) TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALLS BEING REMOVED, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

(D2) TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALL TO REMAIN, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

(D3) DISCONNECT AND REMOVE THE EXISTING SURFACE DIVIDED METAL RACEWAY ALONG WITH ALL OF THE INTEGRAL WIRING DEVICES AND THEIR RESPECTIVE BRANCH CIRCUIT CONDUCTORS. DISCONNECT AND REMOVE THE 'IDLE' BRANCH CIRCUITING, ALONG WITH ANY RESPECTIVE OUTLET BOXES, EXTENSIONS, ETC. FEEDING THESE DUPLEX RECEPTACLES FROM THE ADJACENT EXTERIOR WALL.

NOTES (THIS SHEET ONLY):

1. FLUSH MOUNT DUPLEX RECEPTACLE BEHIND THE SMART MONITOR AT +58" A.F.F., U.O.N.. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
2. DUPLEX RECEPTACLE FOR CHARGING CART. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
3. PROVIDE RECEPTACLE FOR IDF. CUT AND PATCH WALL AS REQUIRED.

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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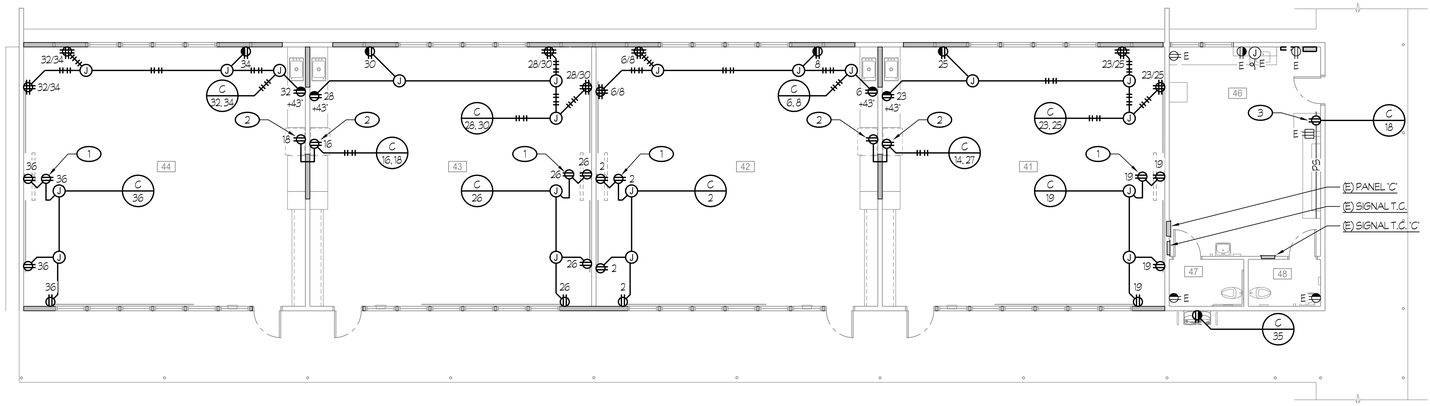
REVISIONS



BUILDING C

POWER PLAN

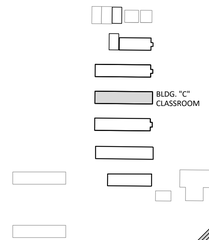
SCALE: 1/8" = 1'-0"

north

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
41	CLASSROOM	9'-6"
42	CLASSROOM	9'-6"
43	CLASSROOM	9'-6"
44	CLASSROOM	9'-6"
46	WORKROOM	(E) 10'-0"
47	MEN	8'-0"
48	WOMEN	8'-0"



BUILDING SITE KEY

north

Rose Sing Eastham & Associates
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131 S. Dunworth – (559)733-2671
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ROBERT K. KIRK
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TITLE
BUILDING C
POWER PLANS

E4.1

PROJECT 24043

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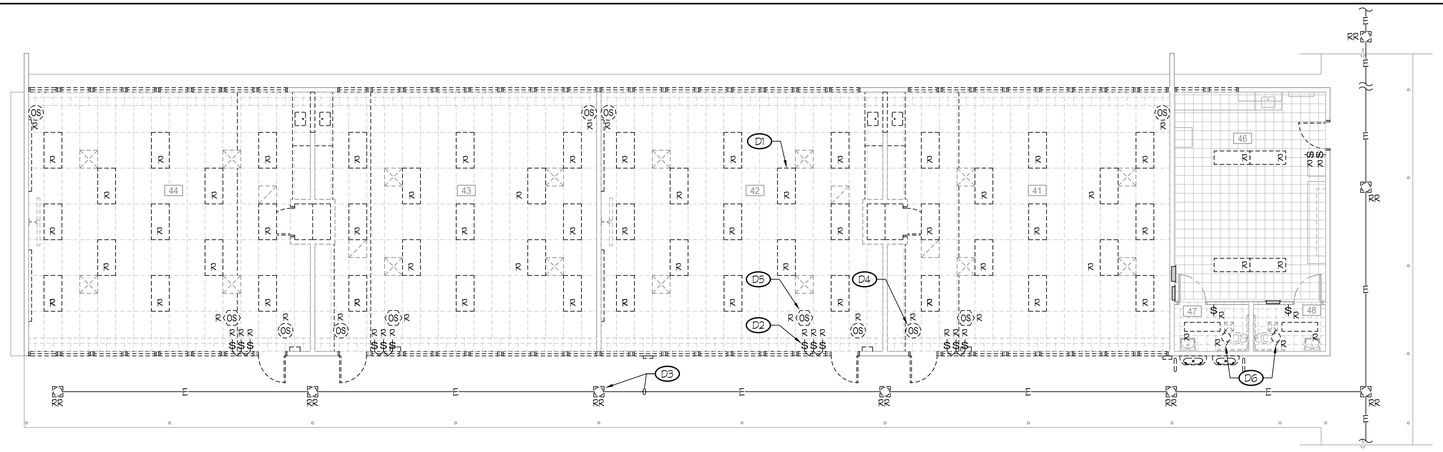


BUILDING C

DEMOLITION LIGHTING PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES (THIS SHEET ONLY):

D1 TYPICAL OF ALL EXISTING LIGHT FIXTURES, KEYNOTED WITH SUBSCRIPT 'R': DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. REMOVE EXISTING 'IDLE' JUNCTION/OUTLET BOXES, CONDUIT AND CONDUCTORS TO CLEAR WAY FOR NEW CONSTRUCTION.

D2 TYPICAL OF ALL EXISTING LIGHT SWITCHES KEYNOTED WITH SUBSCRIPT 'R': DISCONNECT AND REMOVE EXISTING LIGHT SWITCH. AT EXISTING STUD WALLS, REMOVE OUTLET BOX, CONDUIT AND CONDUCTORS AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BELOW THE EXISTING FINISH FLOOR.

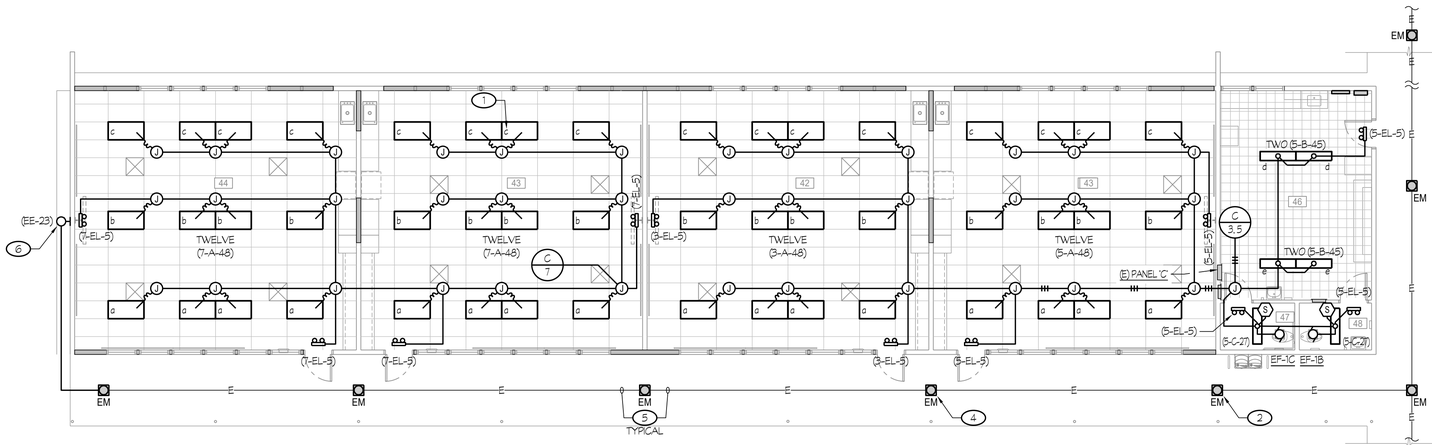
D3 DISCONNECT AND REMOVE THE EXISTING LIGHT FIXTURE BEING REPLACED WITH A NEW LIGHT FIXTURE. REMOVE THE EXISTING BRANCH CIRCUIT CONDUCTORS AND SALVAGE THE EXISTING 'IDLE' CONDUIT TO RECONNECT TO THE NEW LIGHT FIXTURE PER BUILDING C LIGHTING PLAN, BELOW. TYPICAL U.O.N..

D4 DISCONNECT AND REMOVE EXISTING OCCUPANCY SENSOR AND ITS RELATED POWER/CONTROLS CONDUIT AND CONDUCTORS OR CABLING. TYPICAL U.O.N..

D5 DISCONNECT AND REMOVE EXISTING ATTIC OCCUPANCY SENSOR AND ITS RELATED POWER/CONTROLS CONDUIT AND CONDUCTORS OR CABLING. TYPICAL U.O.N..

D6 DISCONNECT AND REMOVE EXISTING EXHAUST FAN CONNECTED TO EXISTING LIGHT FIXTURE BEING REMOVED. DISCONNECT AND REMOVE EXISTING BRANCH CIRCUITING.

north



BUILDING C

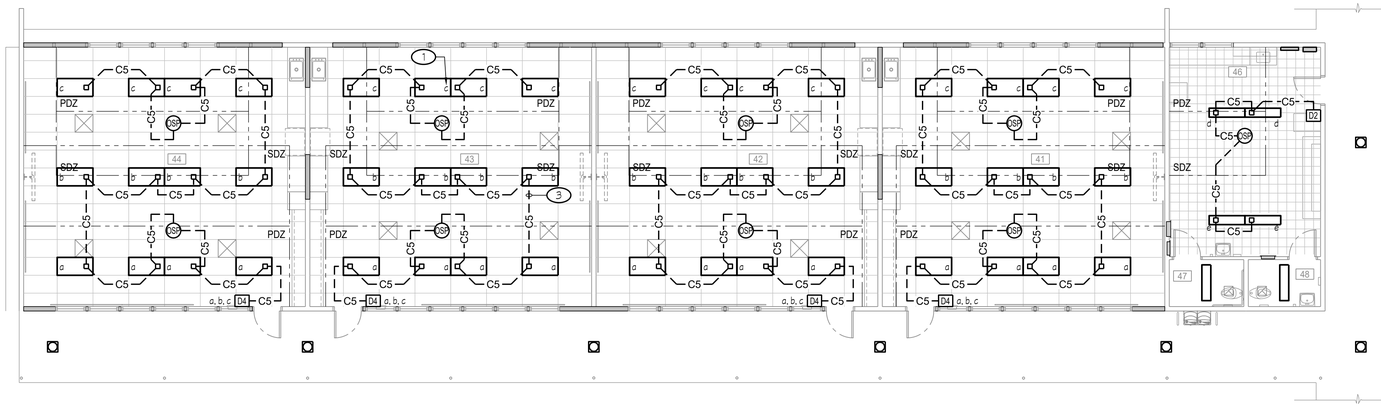
LIGHTING PLAN

SCALE: 1/8" = 1'-0"

NOTES (THIS SHEET ONLY):

1. LOWER CASE LETTER DENOTES RESPECTIVE CONTROL ZONE, TYPICAL.
2. SYMBOLS ▭ EM, ◙ EM DENOTE LIGHT FIXTURE EQUIPPED WITH AN EMERGENCY BATTERY PACK. CONNECT PER DETAIL #3/E10.2.
3. — — C5 — — DENOTES CAT. 5e CABLE. ELECTRICAL CONTRACTOR MAY USE PRETERMINATED CAT. 5e CABLING OR PROVIDE CAT. 5e CABLING, MODULAR JACKS ON EACH END AND TERMINATE THE MODULAR JACKS USING THE TIA/EIA-568-B.2 PIN-PAIR SPECIFICATION. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND OUTLET BOXES IN WALLS FOR ROUTING OF CABLING. CABLE MAY BE ROUTED IN FREE-AIR, WHEN LOCATED IN ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILINGS. AT GYPBOARD CEILINGS, PROVIDE A DOUBLE-GANG LOW VOLTAGE MOUNTING PLATE BRACKET, CADDY #MPLS2 OR EQUAL, AT THE RJ-45 JACKS (EMBEDDED CONTROLS) OF THE SURFACE MOUNTED LIGHT FIXTURES FOR PASSAGE OF 5e CABLING.
4. MOUNT THE NEW TYPE 'DE' FIXTURE AT THE SAME LOCATION AS THE EXISTING LIGHT FIXTURE WHICH WAS REMOVED DURING DEMOLITION. REPAIR/PATCH PLASTER AS REQUIRED.
5. EXISTING LIGHTING CIRCUIT. PICK-UP AND EXTEND EXISTING 'IDLE' CONDUITS, SALVAGED DURING DEMOLITION, TO A NEW FLUSH MOUNTED OUTLET BOX LOCATED BEHIND THE NEW SURFACE MOUNTED LIGHT FIXTURE. PROVIDE NEW 2 x 6 BLOCKING BETWEEN EXISTING 2 x 8 (OR 2 x 10) RAFTERS AS REQUIRED. PULL-IN NEW 3 #12 + 1 #12 GND INSIDE OF THE 'IDLE' AND RE-CONFIGURED CONDUIT SYSTEM. 1 #12 SHALL BE THE 'UNSWITCHED' LIGHTING CIRCUIT AND BE CONNECTED TO THE INTEGRAL EMERGENCY BATTERY PACK. THIS 'UNSWITCHED' LIGHTING SHALL BE DERIVED FROM THE 'COMMON' LIGHTING CIRCUIT, BUT CONNECT ON THE 'LINE-SIDE' OF THE RESPECTIVE RELAY CONTROLLED BY THE E.M.S. SYSTEM.
6. SURFACE MOUNT NEW TYPE 'EE' FIXTURE. PROVIDE NEW CONDUIT AND CONDUCTORS AS REQUIRED TO THE 'UPSTREAM' TYPE 'DE' FIXTURE.

north



BUILDING C

LIGHTING CONTROLS PLAN

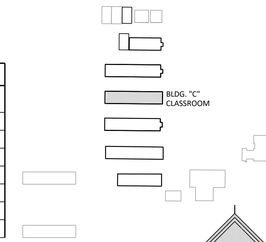
SCALE: 1/8" = 1'-0"

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

north

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
41	CLASSROOM	9'-6"
42	CLASSROOM	9'-6"
43	CLASSROOM	9'-6"
44	CLASSROOM	9'-6"
46	WORKROOM	(E) 10'-0"
47	MEN	8'-0"
48	WOMEN	8'-0"



BUILDING SITE KEY

north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

APPROVALS

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No. C-26128
REN. 05-31-27
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REVISIONS

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MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.1930 Office
(559) 627.1926 Fax

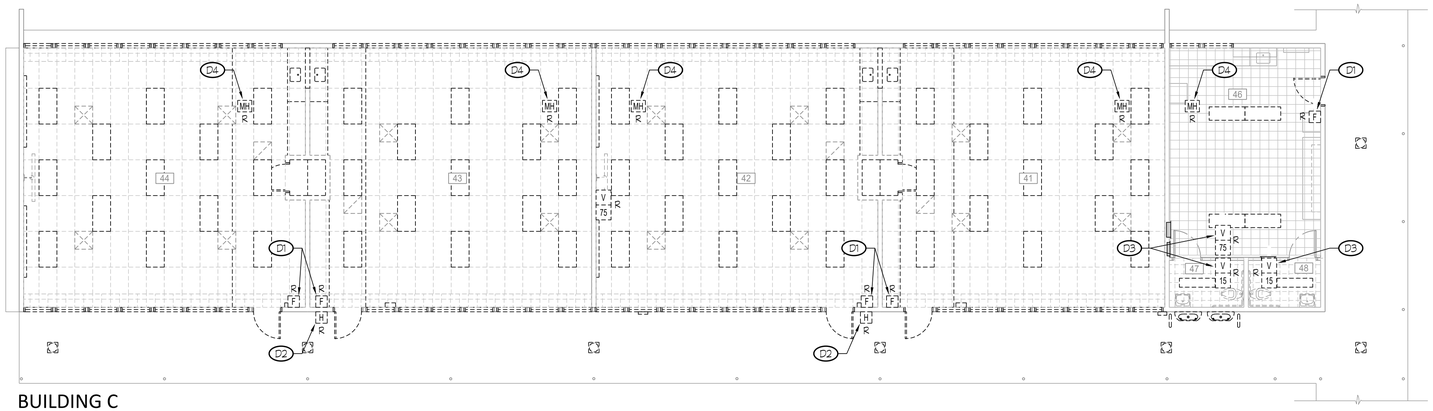
TITLE
BUILDING C
LIGHTING PLANS

E4.2

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER KIRK ROSE
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\PERSCHOOLS\Interior\Monroe ES\24043 – Monroe Elem Modernization\E4.2.dwg DATE SAVED: 09/29/25 By: Rose DATE PLOTTED: 10/24/25 JOB # 24-002-SE



BUILDING C

DEMOLITION FIRE ALARM PLAN

SCALE: 1/8" = 1'-0"

north

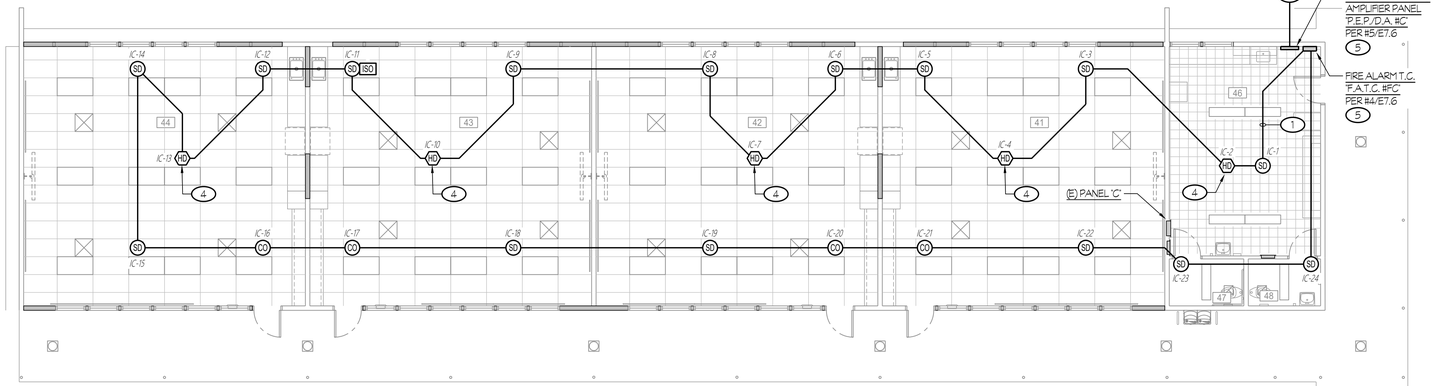
DEMOLITION NOTES (THIS SHEET ONLY):

(D1) DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED MANUAL PULL STATION. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

(D2) DISCONNECT AND REMOVE EXISTING HORN AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

(D3) DISCONNECT AND REMOVE VISUAL STROBE AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

(D4) DISCONNECT AND REMOVE EXISTING MINI HORN AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.



BUILDING C

FIRE ALARM PLAN - INITIATION

SCALE: 1/8" = 1'-0"

north

NOTES (THIS SHEET ONLY):

(1) TYPICAL OF FIRE ALARM CIRCUITING BETWEEN ADDRESSABLE DEVICES (CONNECTED ONTO THE SIGNALING LINE CIRCUIT 'SLC'), U.O.N.:
RUN 3/4"C - ONE 'FA' CABLE, ONE 'FAP' CABLE (24VDC AUXILIARY POWER FOR SOUNDER BASE AT CO DETECTOR) BETWEEN ADDRESSABLE DEVICES.

(2) TYPICAL OF FIRE ALARM CIRCUITING BETWEEN NOTIFICATION APPLIANCES, U.O.N.:
RUN 3/4"C - ONE 'FSP' CABLE, 2 #12 BETWEEN NOTIFICATION APPLIANCES.

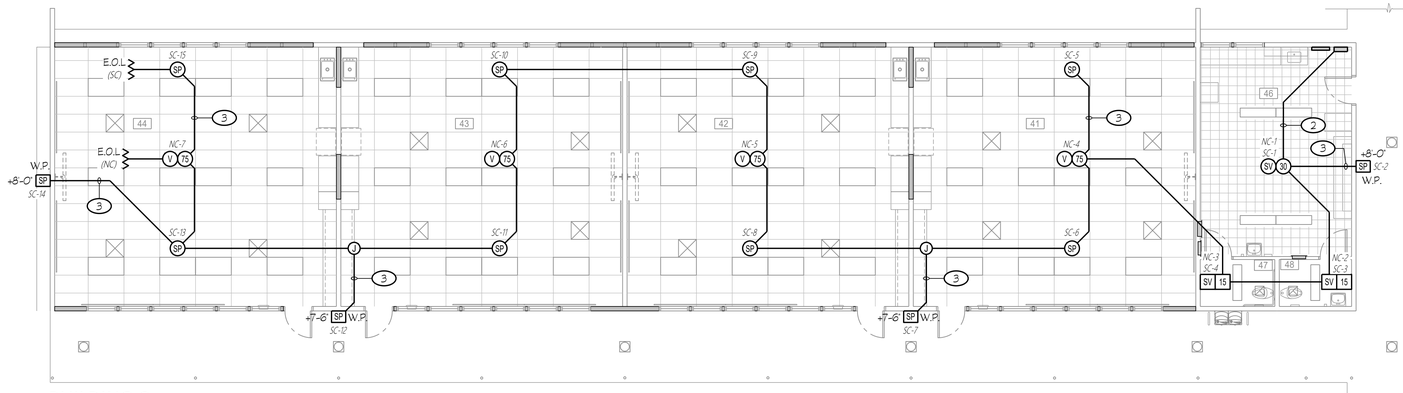
(3) 1/2"C - ONE 'FSP' CABLE.

(4) MOUNT HEAT DETECTOR WITHIN THREE FEET OF HIGHEST POINT OF THE RESPECTIVE ATTIC SPACE.

(5) PROVIDE CONDUIT ENCLOSING SHROUD PER DETAIL #9/E7.6.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.



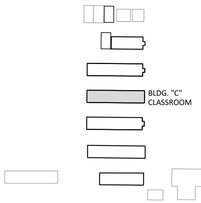
BUILDING C

FIRE ALARM PLAN - NOTIFICATION

SCALE: 1/8" = 1'-0"

north

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
41	CLASSROOM	9'-6"
42	CLASSROOM	9'-6"
43	CLASSROOM	9'-6"
44	CLASSROOM	9'-6"
46	WORKROOM	(E) 10'-0"
47	MEN	8'-0"
48	WOMEN	8'-0"



BUILDING SITE KEY

north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
ROBERT K. KIRK
No. E-18786
Exp. 6/30/27
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TITLE
BUILDING C
FIRE ALARM PLANS

E4.3

PROJECT 24043

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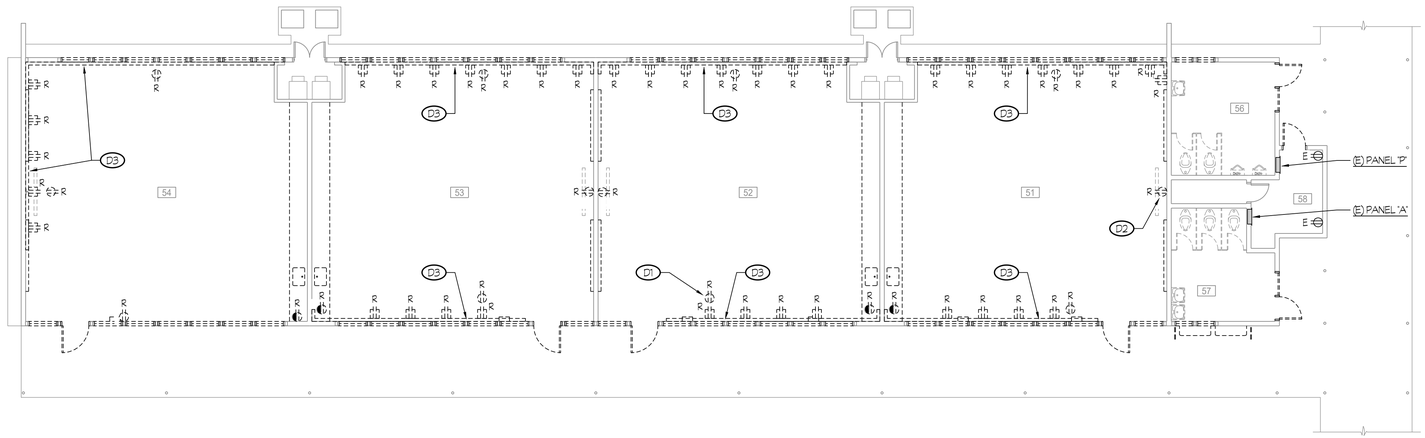


BUILDING D

DEMOLITION POWER PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

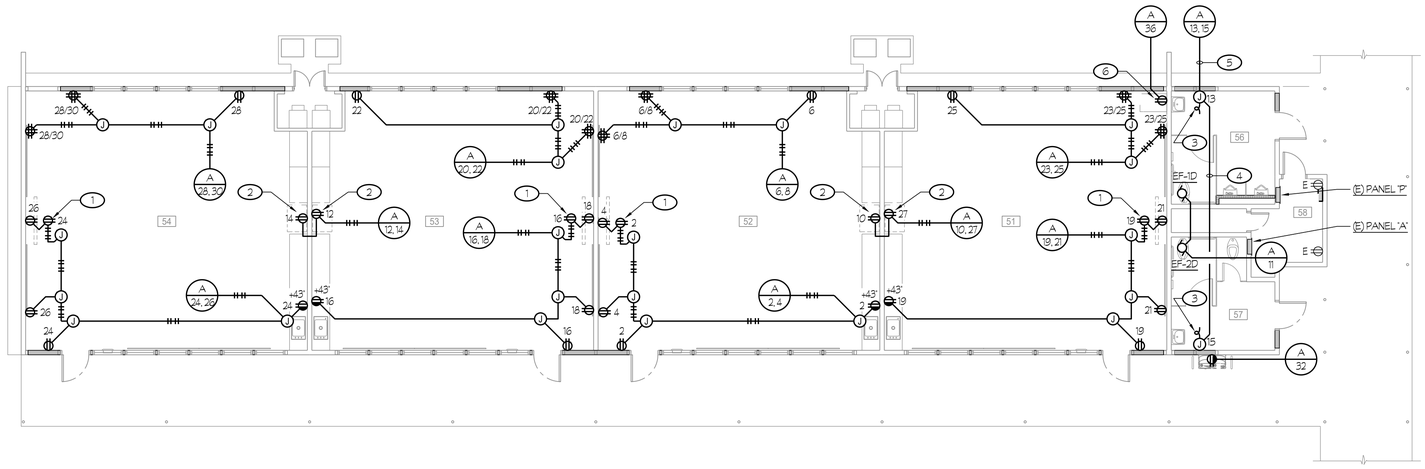
D1 TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALLS BEING REMOVED, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

D2 TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALL TO REMAIN, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

D3 DISCONNECT AND REMOVE THE EXISTING SURFACE DIVIDED METAL RACEWAY ALONG WITH ALL OF THE INTEGRAL WIRING DEVICES AND THEIR RESPECTIVE BRANCH CIRCUIT CONDUCTORS. DISCONNECT AND REMOVE THE 'IDLE' BRANCH CIRCUITING, ALONG WITH ANY RESPECTIVE OUTLET BOXES, EXTENSIONS, ETC. FEEDING THESE DUPLEX RECEPTACLES FROM THE ADJACENT EXTERIOR WALL.

NOTES (THIS SHEET ONLY):

1. FLUSH MOUNT DUPLEX RECEPTACLE BEHIND THE SMART MONITOR AT +58" A.F.F., U.O.N.. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
2. DUPLEX RECEPTACLE FOR CHARGING CART. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
3. CONNECT ELECTRIC HAND DRYER, 120V 1,450W. COORDINATE THE EXACT 'POINT-OF-CONNECTION' WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
4. 1/2"C - 2 #10 + 1 #10 GND.
5. 3/4"C - 4 #10 + 1 #10 GND.
6. PROVIDE RECEPTACLE FOR IDF.



BUILDING D

POWER PLAN

SCALE: 1/8" = 1'-0"

north

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
51	CLASSROOM	9'-6"
52	CLASSROOM	9'-6"
53	CLASSROOM	9'-6"
54	CLASSROOM	9'-6"
56	BOYS	10'-0"
57	GIRLS	10'-0"
58	JANITOR	(E) 8'-0"

BUILDING SITE KEY

BLDG. "D" CLASSROOM

north

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TITLE
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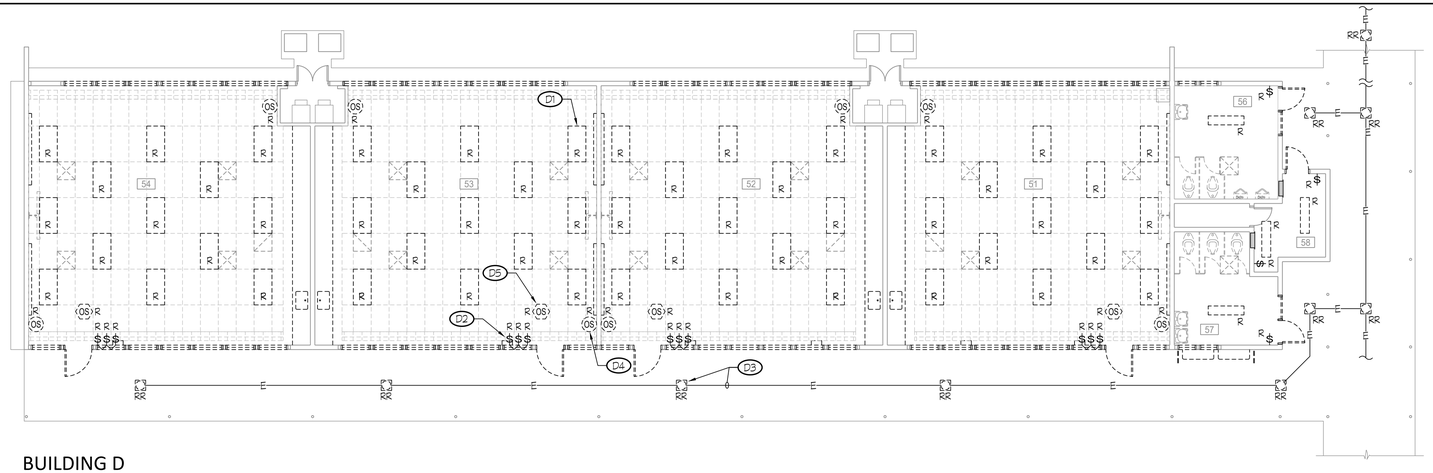
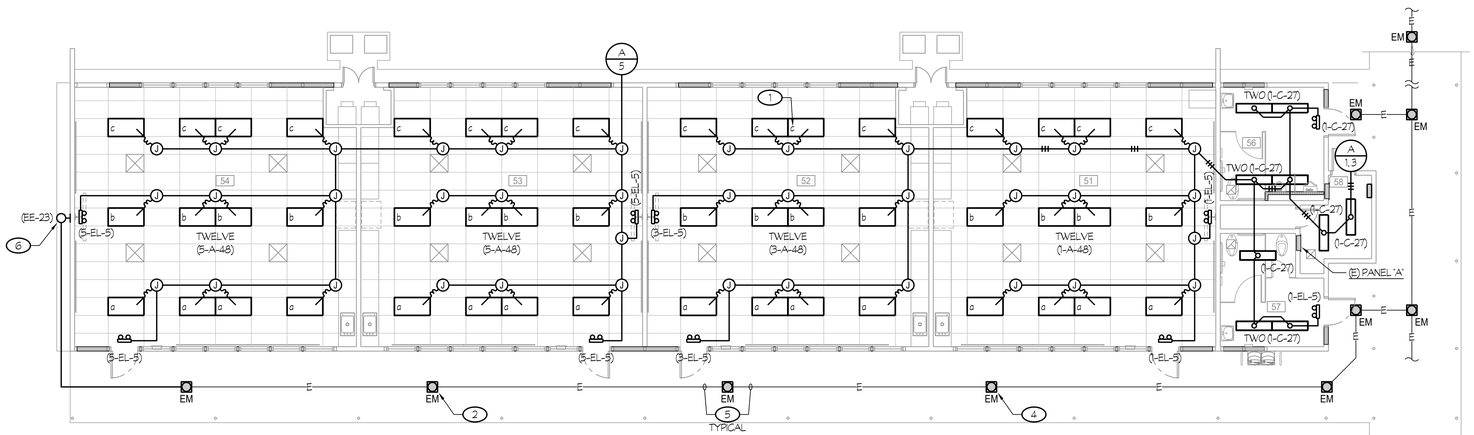


BUILDING D

DEMOLITION LIGHTING PLAN

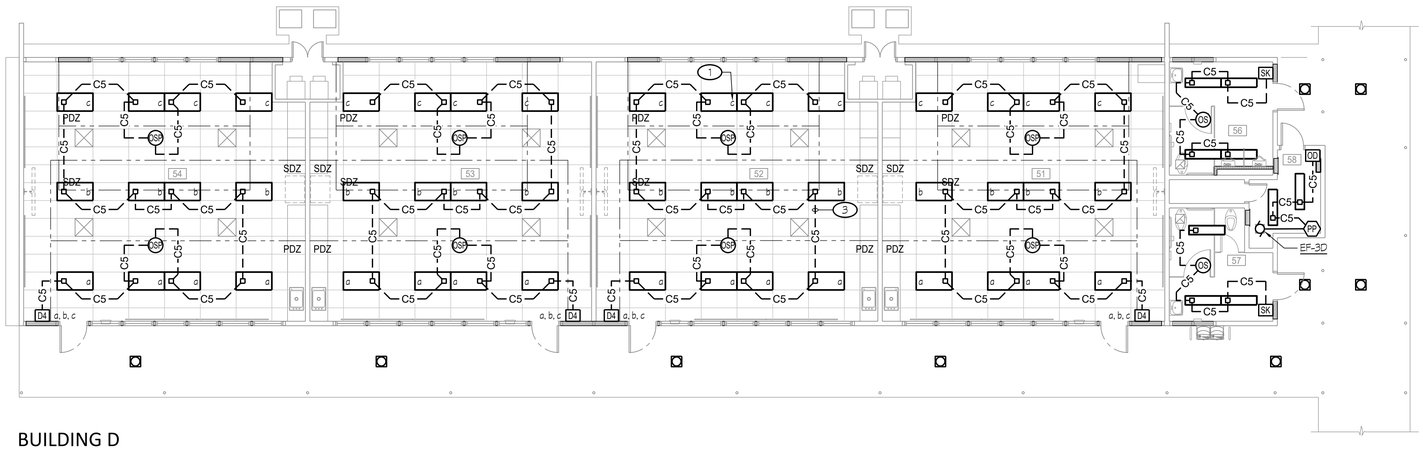
SCALE: 1/8" = 1'-0"



BUILDING D

LIGHTING PLAN

SCALE: 1/8" = 1'-0"



BUILDING D

LIGHTING CONTROLS PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES (THIS SHEET ONLY):

D1 TYPICAL OF ALL EXISTING LIGHT FIXTURES, KEYNOTED WITH SUBSCRIPT 'R': DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. REMOVE EXISTING 'IDLE' JUNCTION/OUTLET BOXES, CONDUIT AND CONDUCTORS TO CLEAR WAY FOR NEW CONSTRUCTION.

D2 TYPICAL OF ALL EXISTING LIGHT SWITCHES KEYNOTED WITH SUBSCRIPT 'R': DISCONNECT AND REMOVE EXISTING LIGHT SWITCH. AT EXISTING STUD WALLS, REMOVE OUTLET BOX, CONDUIT AND CONDUCTORS AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BELOW THE EXISTING FINISH FLOOR.

D3 DISCONNECT AND REMOVE THE EXISTING LIGHT FIXTURE BEING REPLACED WITH A NEW LIGHT FIXTURE. REMOVE THE EXISTING BRANCH CIRCUIT CONDUCTORS AND SALVAGE THE EXISTING 'IDLE' CONDUIT TO RECONNECT TO THE NEW LIGHT FIXTURE PER BUILDING D LIGHTING PLAN, BELOW. TYPICAL U.O.N..

D4 DISCONNECT AND REMOVE EXISTING OCCUPANCY SENSOR AND ITS RELATED POWER/CONTROLS CONDUIT AND CONDUCTORS OR CABLING. TYPICAL U.O.N..

D5 DISCONNECT AND REMOVE EXISTING ATTIC OCCUPANCY SENSOR AND ITS RELATED POWER/CONTROLS CONDUIT AND CONDUCTORS OR CABLING. TYPICAL U.O.N..

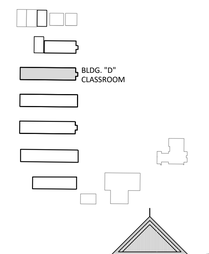
NOTES (THIS SHEET ONLY):

1. LOWER CASE LETTER DENOTES RESPECTIVE CONTROL ZONE, TYPICAL.
2. SYMBOLS ▭ EM, ◘ EM DENOTE LIGHT FIXTURE EQUIPPED WITH AN EMERGENCY BATTERY PACK. CONNECT PER DETAIL #3/E10.2.
3. — — C5 — — DENOTES CAT. 5e CABLE. ELECTRICAL CONTRACTOR MAY USE PRETERMINATED CAT. 5e CABLING OR PROVIDE CAT. 5e CABLING, MODULAR JACKS ON EACH END AND TERMINATE THE MODULAR JACKS USING THE TIA/EIA-568-B.2 PIN-PAIR SPECIFICATION. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND OUTLET BOXES IN WALLS FOR ROUTING OF CABLING. CABLE MAY BE ROUTED IN FREE-AIR, WHEN LOCATED IN ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILINGS. AT GYPBOARD CEILINGS, PROVIDE A DOUBLE-GANG LOW VOLTAGE MOUNTING PLATE BRACKET, CADDY #MPLS2 OR EQUAL, AT THE RJ-45 JACKS (EMBEDDED CONTROLS) OF THE SURFACE MOUNTED LIGHT FIXTURES FOR PASSAGE OF 5e CABLING.
4. MOUNT THE NEW TYPE 'DE' FIXTURE AT THE SAME LOCATION AS THE EXISTING LIGHT FIXTURE WHICH WAS REMOVED DURING DEMOLITION. REPAIR/PATCH PLASTER AS REQUIRED.
5. EXISTING LIGHTING CIRCUIT. PICK-UP AND EXTEND EXISTING 'IDLE' CONDUITS, SALVAGED DURING DEMOLITION, TO A NEW FLUSH MOUNTED OUTLET BOX LOCATED BEHIND THE NEW SURFACE MOUNTED LIGHT FIXTURE. PROVIDE NEW 2 x 6 BLOCKING BETWEEN EXISTING 2 x 8 (OR 2 x 10) RAFTERS AS REQUIRED. PULL-IN NEW 3 #12 + 1 #12 GND INSIDE OF THE 'IDLE' AND RE-CONFIGURED CONDUIT SYSTEM. 1 #12 SHALL BE THE 'UNSWITCHED' LIGHTING CIRCUIT AND BE CONNECTED TO THE INTEGRAL EMERGENCY BATTERY PACK. THIS 'UNSWITCHED' LIGHTING SHALL BE DERIVED FROM THE 'COMMON' LIGHTING CIRCUIT, BUT CONNECT ON THE 'LINE-SIDE' OF THE RESPECTIVE RELAY CONTROLLED BY THE E.M.S. SYSTEM.
6. SURFACE MOUNT NEW TYPE 'EE' FIXTURE. PROVIDE NEW CONDUIT AND CONDUCTORS AS REQUIRED TO THE 'UPSTREAM' TYPE 'DE' FIXTURE.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
51	CLASSROOM	9'-6"
52	CLASSROOM	9'-6"
53	CLASSROOM	9'-6"
54	CLASSROOM	9'-6"
56	BOYS	10'-0"
57	GIRLS	10'-0"
58	JANITOR	(E) 8'-0"



Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth ~ (559)733-2671
Visalia, California 93292-6705

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
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APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE + INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
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www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

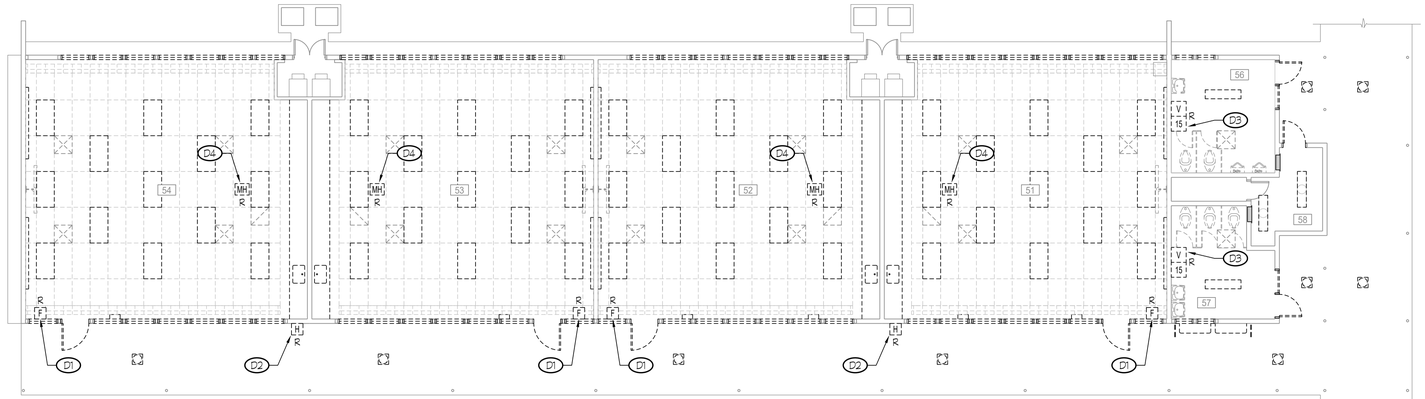
TITLE
BUILDING D
LIGHTING PLANS

E5.2

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
RAMON K. TIRK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\KSD\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E5.2.dwg DATE SAVED: 09/29/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE



BUILDING D

DEMOLITION FIRE ALARM PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

(D1) DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED MANUAL PULL STATION. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

(D2) DISCONNECT AND REMOVE EXISTING HORN AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

(D3) DISCONNECT AND REMOVE VISUAL STROBE AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

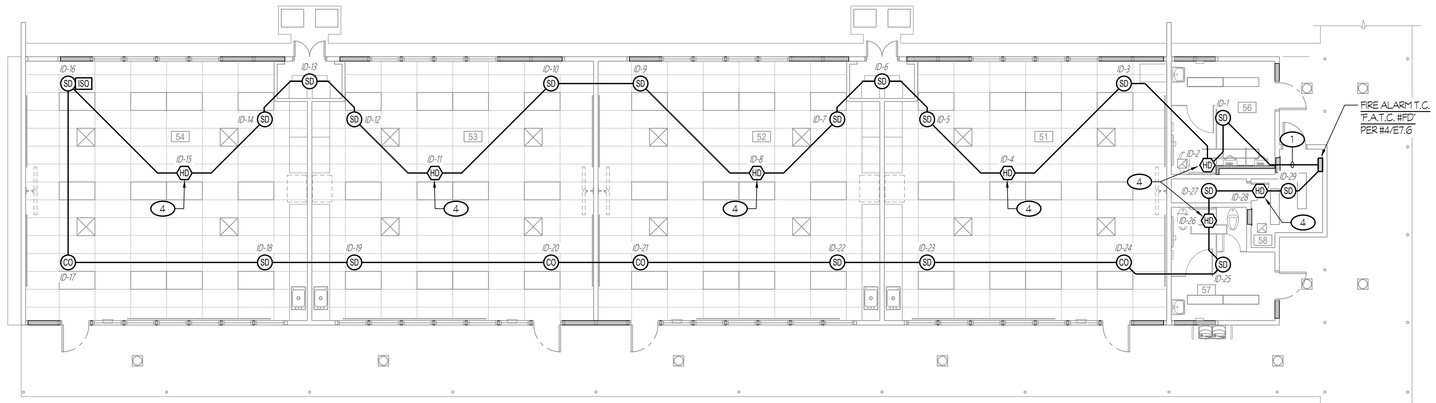
(D4) DISCONNECT AND REMOVE EXISTING MINI HORN AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

NOTES (THIS SHEET ONLY):

1. TYPICAL OF FIRE ALARM CIRCUITING BETWEEN ADDRESSABLE DEVICES (CONNECTED ONTO THE SIGNALING LINE CIRCUIT 'SLC'), U.O.N.:
   RUN 3/4"C - ONE 'FA' CABLE, ONE 'FAP' CABLE (24VDC AUXILIARY POWER FOR SOUNDER BASE AT CO DETECTOR) BETWEEN ADDRESSABLE DEVICES.
2. TYPICAL OF FIRE ALARM CIRCUITING BETWEEN NOTIFICATION APPLIANCES, U.O.N.:
   RUN 3/4"C - ONE 'FSP' CABLE, 2 #12 BETWEEN NOTIFICATION APPLIANCES.
3. 1/2"C - ONE 'FSP' CABLE.
4. MOUNT HEAT DETECTOR WITHIN THREE FEET OF HIGHEST POINT OF THE RESPECTIVE ATTIC SPACE.

GENERAL NOTE:

REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

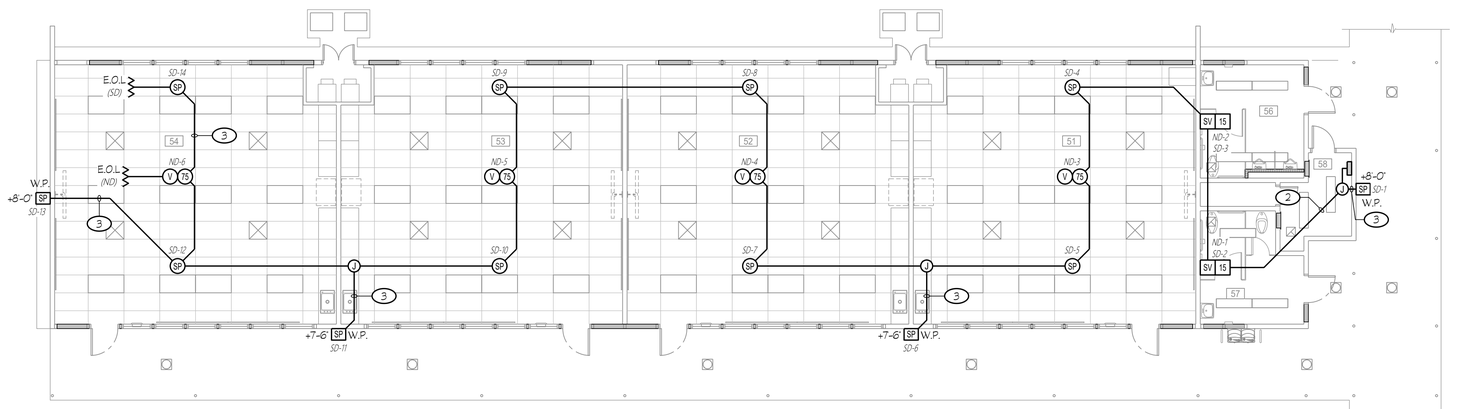


BUILDING D

FIRE ALARM PLAN - INITIATION

SCALE: 1/8" = 1'-0"

north



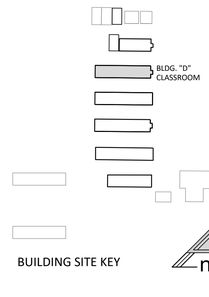
BUILDING D

FIRE ALARM PLAN - NOTIFICATION

SCALE: 1/8" = 1'-0"

north

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
51	CLASSROOM	9'-6"
52	CLASSROOM	9'-6"
53	CLASSROOM	9'-6"
54	CLASSROOM	9'-6"
56	BOYS	10'-0"
57	GIRLS	10'-0"
58	JANITOR	(E) 8'-0"



BUILDING SITE KEY

north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
KIRK A. EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

APPROVALS

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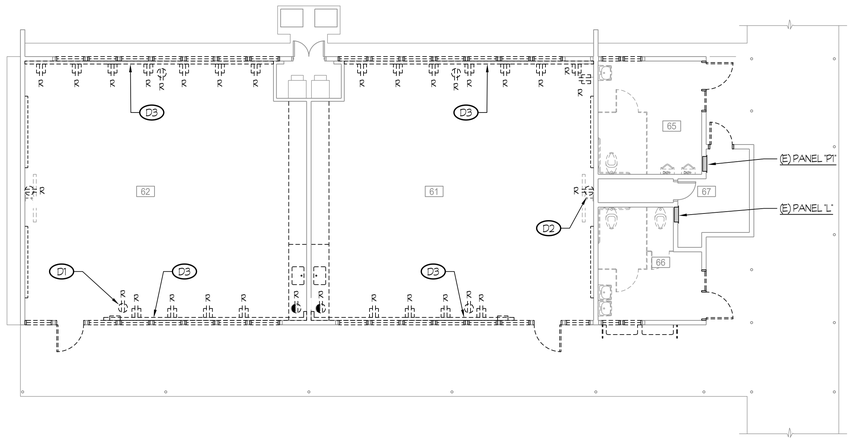
TITLE
BUILDING D
FIRE ALARM PLANS

E5.3

PROJECT 24043

Z:\Drafting\Jobs\RES\SCHOOLS\Hanford\Monroe ES\24043 – Monroe Elem Modernization\ES_3.dwg DATE SAVED: 07/10/25 By: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE



BUILDING E

DEMOLITION POWER PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

(D1) TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALLS BEING REMOVED, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

(D2) TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALL TO REMAIN, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.:
DISCONNECT AND REMOVE EXISTING WIRING DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CONDUCTORS. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BE FLUSH WITH THE TOP OF EXISTING CONCRETE SLAB.

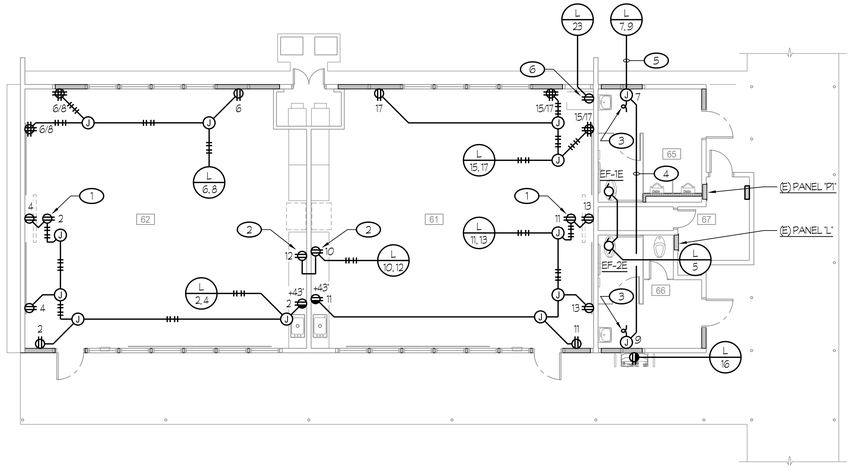
(D3) DISCONNECT AND REMOVE THE EXISTING SURFACE DIVIDED METAL RACEWAY ALONG WITH ALL OF THE INTEGRAL WIRING DEVICES AND THEIR RESPECTIVE BRANCH CIRCUIT CONDUCTORS. DISCONNECT AND REMOVE THE 'IDLE' BRANCH CIRCUITING, ALONG WITH ANY RESPECTIVE OUTLET BOXES, EXTENSIONS, ETC. FEEDING THESE DUPLEX RECEPTACLES FROM THE ADJACENT EXTERIOR WALL.

NOTES (THIS SHEET ONLY):

1. FLUSH MOUNT DUPLEX RECEPTACLE BEHIND THE SMART MONITOR AT +58" A.F.F., U.O.N.. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
2. DUPLEX RECEPTACLE FOR CHARGING CART. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
3. CONNECT ELECTRIC HAND DRYER, 120V 1,450W. COORDINATE THE EXACT 'POINT-OF-CONNECTION' WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
4. 1/2"C - 2 #10 + 1 #10 GND.
5. 3/4"C - 4 #10 + 1 #10 GND.
6. PROVIDE RECEPTACLE FOR IDF.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.



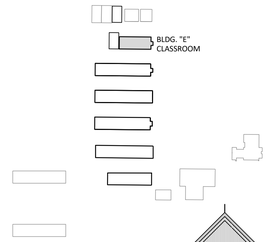
BUILDING E

POWER PLAN

SCALE: 1/8" = 1'-0"

north

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
61	CLASSROOM	9'-6"
62	CLASSROOM	9'-6"
65	BOYS	10'-0"
66	GIRLS	10'-0"
67	JANITOR	(E) 8'-0"



BUILDING SITE KEY

north

APPROVALS

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No. C-26128
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TITLE
BUILDING E
POWER PLANS

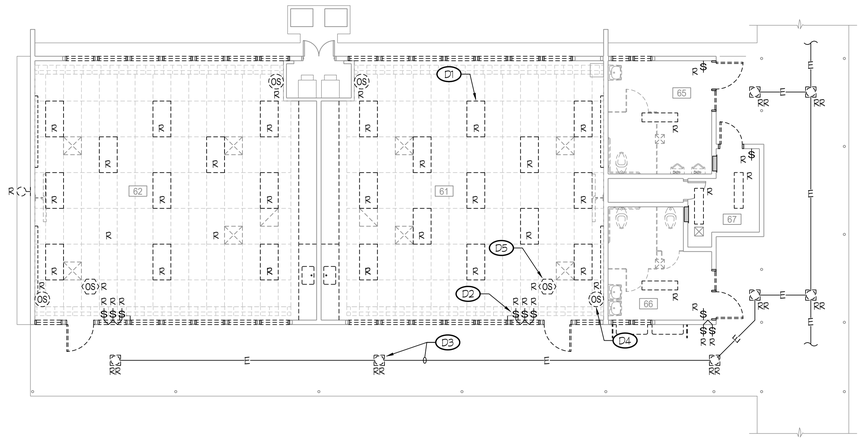
E6.1

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
ROBERT KIRK EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E6.1.dwg DATE: 24AUG3 09/08/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE



BUILDING E

DEMOLITION LIGHTING PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES (THIS SHEET ONLY):

(D1) TYPICAL OF ALL EXISTING LIGHT FIXTURES, KEYNOTED WITH SUBSCRIPT 'R': DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. REMOVE EXISTING 'IDLE' JUNCTION/OUTLET BOXES, CONDUIT AND CONDUCTORS TO CLEAR WAY FOR NEW CONSTRUCTION.

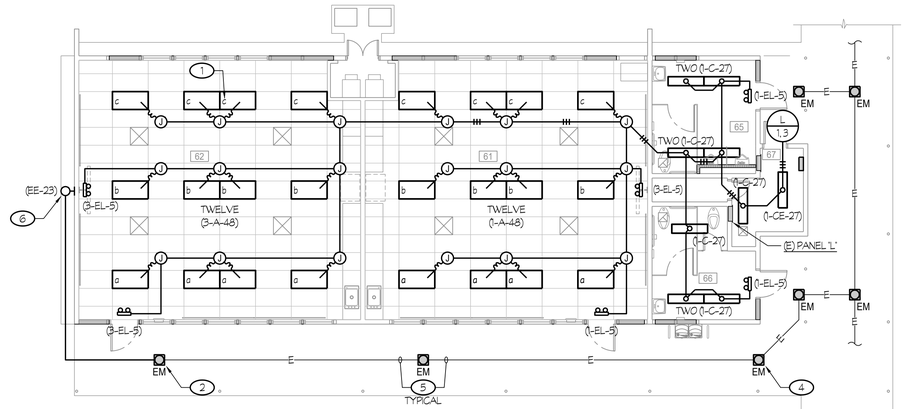
(D2) TYPICAL OF ALL EXISTING LIGHT SWITCHES KEYNOTED WITH SUBSCRIPT 'R': DISCONNECT AND REMOVE EXISTING LIGHT SWITCH. AT EXISTING STUD WALLS, REMOVE OUTLET BOX, CONDUIT AND CONDUCTORS AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY UNDERGROUND CONDUITS SHALL BE REMOVED TO BELOW THE EXISTING FINISH FLOOR.

(D3) DISCONNECT AND REMOVE THE EXISTING LIGHT FIXTURE BEING REPLACED WITH A NEW LIGHT FIXTURE. REMOVE THE EXISTING BRANCH CIRCUIT CONDUCTORS AND SALVAGE THE EXISTING 'IDLE' CONDUIT TO RECONNECT TO THE NEW LIGHT FIXTURE PER BUILDING E LIGHTING PLAN, BELOW. TYPICAL U.O.N..

(D4) DISCONNECT AND REMOVE EXISTING OCCUPANCY SENSOR AND ITS RELATED POWER/CONTROLS CONDUIT AND CONDUCTORS OR CABLING. TYPICAL U.O.N..

(D5) DISCONNECT AND REMOVE EXISTING ATTIC OCCUPANCY SENSOR AND ITS RELATED POWER/CONTROLS CONDUIT AND CONDUCTORS OR CABLING. TYPICAL U.O.N..

north



BUILDING E

LIGHTING PLAN

SCALE: 1/8" = 1'-0"

NOTES (THIS SHEET ONLY):

(1) LOWER CASE LETTER DENOTES RESPECTIVE CONTROL ZONE, TYPICAL.

(2) SYMBOLS ▭ EM, ◙ EM DENOTE LIGHT FIXTURE EQUIPPED WITH AN EMERGENCY BATTERY PACK. CONNECT PER DETAIL #3/E10.2.

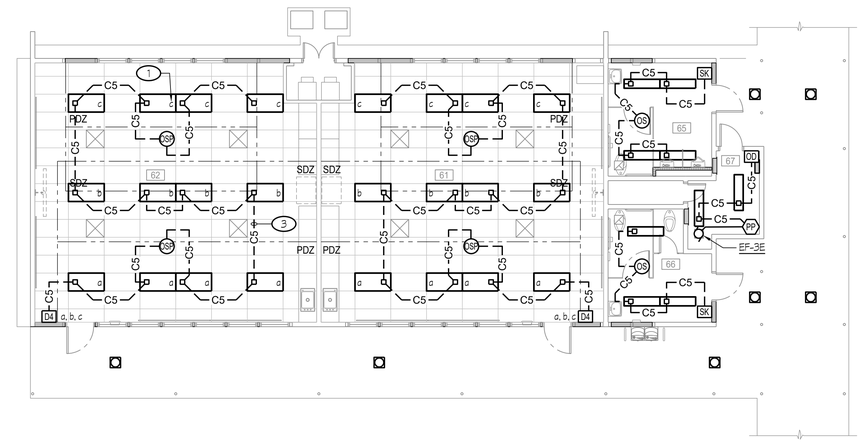
(3) — — C5 — — DENOTES CAT. 5e CABLE. ELECTRICAL CONTRACTOR MAY USE PRETERMINATED CAT. 5e CABLING OR PROVIDE CAT. 5e CABLING, MODULAR JACKS ON EACH END AND TERMINATE THE MODULAR JACKS USING THE TIA/EIA-568-B.2 PIN-PAIR SPECIFICATION. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND OUTLET BOXES IN WALLS FOR ROUTING OF CABLING. CABLE MAY BE ROUTED IN FREE-AIR, WHEN LOCATED IN ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILINGS. AT GYPBOARD CEILINGS, PROVIDE A DOUBLE-GANG LOW VOLTAGE MOUNTING PLATE BRACKET, CADDY #MPLS2 OR EQUAL, AT THE RJ-45 JACKS (EMBEDDED CONTROLS) OF THE SURFACE MOUNTED LIGHT FIXTURES FOR PASSAGE OF 5e CABLING.

(4) MOUNT THE NEW TYPE 'DE' FIXTURE AT THE SAME LOCATION AS THE EXISTING LIGHT FIXTURE WHICH WAS REMOVED DURING DEMOLITION. REPAIR/PATCH PLASTER AS REQUIRED.

(5) EXISTING LIGHTING CIRCUIT. PICK-UP AND EXTEND EXISTING 'IDLE' CONDUITS, SALVAGED DURING DEMOLITION, TO A NEW FLUSH MOUNTED OUTLET BOX LOCATED BEHIND THE NEW SURFACE MOUNTED LIGHT FIXTURE. PROVIDE NEW 2 x 6 BLOCKING BETWEEN EXISTING 2 x 8 (OR 2 x 10) RAFTERS AS REQUIRED. PULL-IN NEW 3 #12 + 1 #12 GND INSIDE OF THE 'IDLE' AND RE-CONFIGURED CONDUIT SYSTEM. 1 #12 SHALL BE THE 'UNSWITCHED' LIGHTING CIRCUIT AND BE CONNECTED TO THE INTEGRAL EMERGENCY BATTERY PACK. THIS 'UNSWITCHED' LIGHTING SHALL BE DERIVED FROM THE 'COMMON' LIGHTING CIRCUIT, BUT CONNECT ON THE 'LINE-SIDE' OF THE RESPECTIVE RELAY CONTROLLED BY THE E.M.S. SYSTEM.

(6) SURFACE MOUNT NEW TYPE 'EE' FIXTURE. PROVIDE NEW CONDUIT AND CONDUCTORS AS REQUIRED TO THE 'UPSTREAM' TYPE 'DE' FIXTURE.

north



BUILDING E

LIGHTING CONTROLS PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.

north

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
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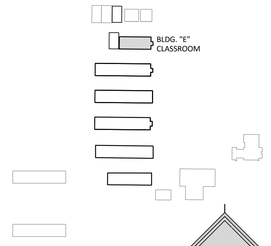

BUILDING SITE KEY

north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER — JENNIFER K. TIRK — No. E-18786 — Exp. 6/30/27 — ELECTRICAL — STATE OF CALIFORNIA

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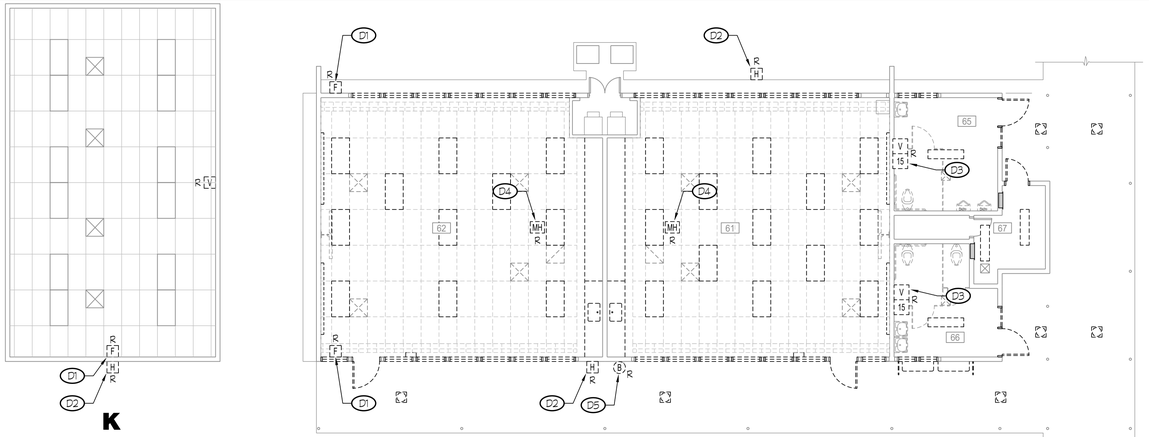
PROJECT 24043

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E6.2.dwg DATE SAVED: 09/29/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE



DEMOLITION NOTES (THIS SHEET ONLY):

(D1) DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED MANUAL PULL STATION. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

(D2) DISCONNECT AND REMOVE EXISTING HORN AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

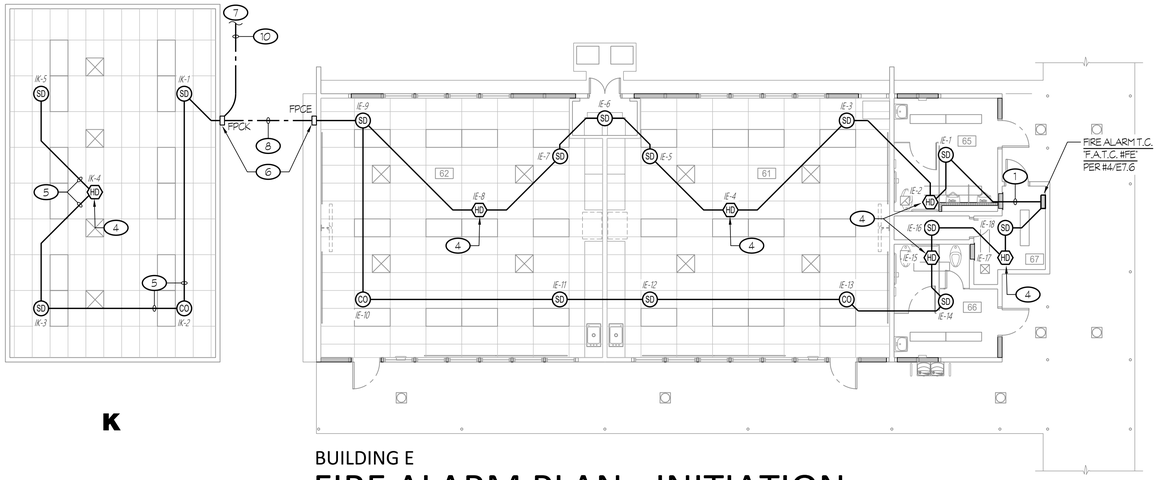
(D3) DISCONNECT AND REMOVE VISUAL STROBE AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

(D4) DISCONNECT AND REMOVE EXISTING MINI HORN AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

(D5) DISCONNECT AND REMOVE EXISTING FIRE ALARM BELL AND SURFACE BACKBOX. PULL OUT 'IDLE' CONDUCTORS AND BLANK OFF 'IDLE' OUTLET BOX AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

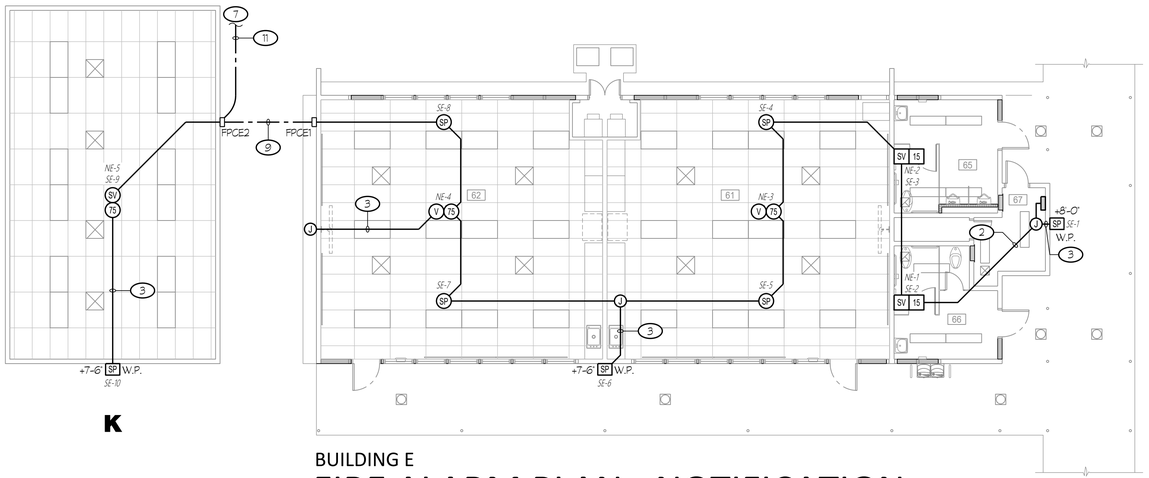
NOTES (THIS SHEET ONLY):

1. TYPICAL OF FIRE ALARM CIRCUITING BETWEEN ADDRESSABLE DEVICES (CONNECTED ONTO THE SIGNALING LINE CIRCUIT 'SLC'), U.O.N.: RUN 3/4"C - ONE 'FA' CABLE, ONE 'FAP' CABLE (24VDC AUXILIARY POWER FOR SOUNDER BASE AT CO DETECTOR) BETWEEN ADDRESSABLE DEVICES.
2. TYPICAL OF FIRE ALARM CIRCUITING BETWEEN NOTIFICATION APPLIANCES, U.O.N.: RUN 3/4"C - ONE 'FSP' CABLE, 2 #12 BETWEEN NOTIFICATION APPLIANCES.
3. 1/2"C - ONE 'FSP' CABLE.
4. MOUNT HEAT DETECTOR WITHIN THREE FEET OF HIGHEST POINT OF THE RESPECTIVE ATTIC SPACE.
5. RUN 3/4"C - TWO 'FA' CABLES, TWO 'FAP' CABLES (24VDC AUXILIARY POWER FOR SOUNDER BASE AT CO DETECTOR) BETWEEN ADDRESSABLE DEVICES.
6. PROVIDE 12" SQ. x 6" DP. FIRE ALARM PULL ENCLOSURE MOUNTED HIGH ON WALL ABOVE T-BAR CEILING. ROUTE NEW CONDUITS OUT OF THE BACK OF THE PULL CAN AND SEAL AROUND CONDUIT PENETRATIONS TO PREVENT LEAKAGE INTO BUILDING.
7. REFER TO SITE ELECTRICAL PLAN, SHEET #ES1.2 FOR CONTINUATION.
8. RUN 3/4"C - FOUR 'SFA' CABLES, FOUR 'FAP' CABLES (24VDC AUXILIARY POWER FOR SOUNDER BASE AT CO DETECTOR) BETWEEN ADDRESSABLE DEVICES.
9. 3/4"C - TWO 'SFSP' CABLES, 4 #12.
10. RUN 3/4"C - TWO 'SFA' CABLES, TWO 'FAP' CABLES (24VDC AUXILIARY POWER FOR SOUNDER BASE AT CO DETECTOR) BETWEEN ADDRESSABLE DEVICES.
11. 3/4"C - ONE 'SFSP' CABLES, 2 #12.

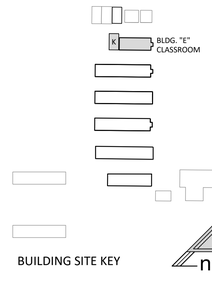


GENERAL NOTE:

REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.



ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
61	CLASSROOM	9'-6"
62	CLASSROOM	9'-6"
65	BOYS	10'-0"
66	GIRLS	10'-0"
67	JANITOR	(E) 8'-0"



APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.1930 Office
(559) 627.1926 Fax

TITLE
BUILDING E
FIRE ALARM PLANS

E6.3

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
ROGER KIRK EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

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FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS

RESULT OF OPERATION	TYPE OF INITIATION			
	MANUAL PULL STATION	AREA SMOKE/ HEAT DETECTOR (1)	LOSS OF POWER	SHORT CIRCUIT/ GROUND FAULT
ANNUNCIATE ALARM AT FIRE ALARM CONTROL PANEL	YES	YES	———	———
ANNUNCIATE TROUBLE AT FIRE ALARM CONTROL PANEL	———	———	YES	YES
ANNUNCIATE SUPERVISORY AT FIRE ALARM CONTROL PANEL	———	———	———	———
ACTIVATE ALL AUDIBLE AND VISUAL ALARM SIGNALS	YES	YES	———	———
TRANSFER TO BATTERY BACK-UP	———	———	YES	———
(1) RELEASE ELECTROMAGNETIC DOOR HOLDERS	———	YES	———	———
(2) SHUTDOWN RESPECTIVE A/C UNT	———	YES	———	———
(2) CLOSE SMOKE/FIRE DAMPER	———	YES	YES	———
ANNUNCIATE AT 24 HR. ATTENDED LOCATION	YES	YES	YES	———
CENTRAL STATION FOR MONITORING (ALARM)	YES	YES	———	———
CENTRAL STATION FOR MONITORING (TROUBLE)	———	———	YES	———
CENTRAL STATION FOR MONITORING (SUPERVISORY)	———	———	———	———

(1) OR ACTIVATE THE TIME-DELAY RELEASING DEVICE AT OVERHEAD COILING DOOR.

(2) THIS OPERATION SHALL BE ACCOMPLISHED BY UTILIZING THE TOTAL SMOKE COVERAGE SYSTEM TO ACTIVATE THE RESPECTIVE RELAY MODULE. THE CONTACTS SHALL BE PROGRAMMED TO 'OPEN', THUS DE-ENERGIZING THE 120V POWER TO THE ACTUATOR OF THE SMOKE/FIRE DAMPER OR 'OPENING' THE H.V.A.C. CONTROL CIRCUIT.

FIRE ALARM SYSTEM GENERAL NOTES

1. APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35.
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR TEST SHALL INCLUDE ALL INFORMATION PER NFPA 72 14.6.2.4 AND FIGURE 7.8.2(6) AND READ OUT VERIFICATION FORM FROM CENTER STATION.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ ENGINEER OF THE PROJECT.
6. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
8. WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND THEIR TOPS AT 96" MAXIMUM FROM FINISHED FLOOR.
9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6' TO A HORIZONTAL STRUCTURE.
10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.
11. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN FOR A FIRE ALARM SIGNAL. AUDIBLE DEVICES SHALL ALSO SOUND A TEMPORAL CODE 4 PATTERN FOR A CARBON MONOXIDE SIGNAL. THE EXISTING FIRE ALARM CONTROL PANEL WILL PRODUCE/GENERATE BOTH SIGNALS.
12. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
13. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
15. ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
16. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
17. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/ CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
18. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILING, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
19. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
20. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE 'ON' POSITION. THE CIRCUIT BREAKER SHALL BE LABELED 'FIRE ALARM CIRCUIT CONTROL'. CIRCUIT ID TO BE LABELED AT FIRE PANELS/EXTENDERS.
21. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED 'SYSTEM RECORD OF COMPLETION' PER NFPA 72, FIGURE 17.8.2.
22. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
23. MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
24. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
25. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
26. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
27. PROVIDE AN ENGRAVED NAMEPLATE INDICATING THE D.S.A. APPLICATION NUMBER, FILE NUMBER AND DATE OF INSTALLATION AT EACH FIRE ALARM CONTROL PANEL 'F.A.C.P.', AT EACH REMOTE AMPLIFIER ENCLOSURE 'R.A.E.' AND AT EACH FIRE ALARM POWER EXPANDER PANEL 'P.E.P.'.
    A. THE PRIMARY POWER SUPPLY TO EACH FIRE ALARM CONTROL PANEL 'F.A.C.P.', TO EACH REMOTE AMPLIFIER ENCLOSURE 'R.A.E.' AND TO EACH FIRE ALARM POWER EXPANDER PANEL 'P.E.P.' SHALL BE IN ACCORDANCE WITH NFPA 72 10.6.5 AND AS FOLLOWS:
        a) THE CIRCUIT BREAKER FEEDING THE RESPECTIVE PANEL SHALL BE LOCATED IN A LOCKED ROOM OR BEHIND A LOCKABLE DOOR AND BE READILY ACCESSIBLE TO AUTHORIZED PERSONNEL ONLY.
        b) THE CIRCUIT BREAKER SHALL BE EQUIPPED WITH A LOCK-ON ACCESSORY. PAINT LOCK-ON ACCESSORY 'RED' IN COLOR.
        c) THE CIRCUIT BREAKER SHALL HAVE AN ENGRAVED NAMEPLATE THAT IDENTIFIES IT AS A 'FIRE ALARM CIRCUIT'. THIS ENGRAVED NAMEPLATE SHALL HAVE WHITE LETTERS ON A RED BACKGROUND. MOUNT ONTO THE INTERIOR TRIM AND LOCATE ADJACENT TO CIRCUIT BREAKER WHERE POSSIBLE.
        d) THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT EACH FIRE ALARM CONTROL PANEL 'F.A.C.P.', AT EACH REMOTE AMPLIFIER ENCLOSURE 'R.A.E.' AND AT EACH FIRE ALARM POWER EXPANDER PANEL 'P.E.P.'. PROVIDE AN ENGRAVED NAMEPLATE (WHITE LETTERS ON A RED BACKGROUND) WHICH INDICATES THIS.
    B. ALL ENGRAVED NAMEPLATES SHALL BE ATTACHED TO THE FRONT OF THE RESPECTIVE ENCLOSURE WITH SCREWS OR RIVETS.
28. PROVIDE A COPY OF THE BATTERY CALCULATION AT EACH FIRE ALARM CONTROL PANEL 'F.A.C.P.', AT EACH REMOTE AMPLIFIER ENCLOSURE 'R.A.E.' AND AT EACH FIRE ALARM POWER EXPANDER PANEL 'P.E.P.'. BATTERY CALCULATION SHALL CONTAIN INFORMATION AS NOTED ON SCHEDULES AND BE PLASTIC LAMINATED. MOUNT ONTO INSIDE FACE OF DOOR.

FIRE ALARM SYSTEM EQUIPMENT SPECIFICATIONS

SYMBOL	DESCRIPTION	MANUF./MODEL #	CSFM LISTING #	BACKBOX REQUIREMENTS (B)	MOUNTING HEIGHT (TO CENTER U.O.N.)
FACP (E)	EXISTING FIRE ALARM CONTROL PANEL	FIKE #10-064	7165-0900:0137	EXISTING	EXISTING
	FIBER NETWORK MODULE	FIKE #10-2624	7165-0900:0137	MOUNTS INSIDE FACP	N/A
FACP (E)	NEW FIRE ALARM CONTROL PANEL	FIKE #1016	7165-0900:0137	INCLUDED	EXISTING
	'13 CARD DEAD-FRONT ENCLOSURE	FIKE #10-064-R-1-L-13			
	FIBER NETWORK MODULE	FIKE #10-2624			
	DIGITAL PAGING ASSEMBLY	FIKE #10-2751-R			
	AMPLIFIER KIT	FIKE #10-2773-1			
	SUPPLEMENTAL POWER SUPPLY	FIKE #10-2474-1			
	POINT ID DACT MODULE	FIKE #10-2528			
FACP	FIRE ALARM CONTROL PANEL 'F.A.C.P.' WITH EMERGENCY COMMUNICATION SYSTEM	FIKE #FCP-300ECS #FIK-6815	7165-2010:0522 7165-2010:0522	INCLUDED	+60" PER DETAIL #3/E7.6
PSP DA	FIRE ALARM POWER EXPANDER/ DIGITAL AMPLIFIER PANEL	FIKE #FIK-RPS1000 FIKE #FIK-50W	7165-2010:0522 7300-2010:0516	INCLUDED	+60" PER DETAIL #5/E7.6
LOC ANN	LOCAL OPERATING CONSOLE WITH REMOTE DISPLAY UNIT	FIKE #FIK-RA1000R	7165-0900:0137	INCLUDED	
F	ADDRESSABLE MANUAL PULL STATION	FIKE #FIK-PULL-SA	7150-2010:0503	4" SQ. x 2 1/8" DP. OUTLET BOX WITH S.G. RAISED RING	PER DETAIL #2/E7.6
SD	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR	FIKE #FIK-2351 #B300-6	7272-2010:0511 7300-1653:0109	3.5" OCTAGON BOX OR 4" OCTAGON BOX	PER DETAIL #2/E7.6
SD ISO	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR WITH ISOLATOR BASE	FIKE #FIK-2351 #B224BI-WH	7272-2010:0511 7300-1653:0126	3.5" OCTAGON BOX OR 4" OCTAGON BOX	PER DETAIL #2/E7.6
CO	ADDRESSABLE MULTI-CRITERIA FIRE / CO DETECTOR	FIKE #FIK-FC351 #B200S-WH	7272-2010:0514 7300-1653:0213	3.5" OCTAGON BOX OR 4" OCTAGON BOX	PER DETAIL #2/E7.6
HD	ADDRESSABLE ATTIC HEAT DETECTOR, 190°F	FIKE #FIK-5351H #B300-6	7270-2010:0510 7300-1653:0109	3.5" OCTAGON BOX OR 4" OCTAGON BOX WITH RAISED ROUND COVER	PER DETAIL #2/E7.6
SV 15	SPEAKER/STROBE, WALL MOUNTED (CANDELA RATING AS NOTED)	SYSTEM SENSOR #SPSRL	7320-1653:0505	4" SQ. x 2 1/8" DP. OUTLET BOX WITH 1 1/2" DP. BOX EXTENSION	PER DETAIL #2/E7.6
V 75	VISUAL STROBE, CEILING MOUNTED (CANDELA RATING AS NOTED)	SYSTEM SENSOR #SCRL	7125-1653:0504	4" SQ. x 2 1/8" DP. OUTLET BOX	PER DETAIL #2/E7.6
SV 30	SPEAKER/STROBE, CEILING MOUNTED (CANDELA RATING AS NOTED)	SYSTEM SENSOR #SPSCRL	7320-1653:0505	4" SQ. x 2 1/8" DP. OUTLET BOX WITH 1 1/2" DP. BOX EXTENSION	PER DETAIL #2/E7.6
SP	INTERIOR SPEAKER, CEILING MOUNTED	SYSTEM SENSOR #SPCWL	7320-1653:0505	4" SQ. x 2 1/8" DP. OUTLET BOX WITH 1 1/2" DP. BOX EXTENSION	PER DETAIL #2/E7.6
SP W.P.	EXTERIOR SPEAKER, WALL MOUNTED	SYSTEM SENSOR #SPRK-R/#MWBB	7320-1653:0201	4" SQ. x 2 1/8" DP. OUTLET BOX WITH 1 1/2" DP. BOX EXTENSION	———
A C	E.O.L.	END OF LINE RESISTOR	———	———	———	———
"FA" CABLE	ADDRESSABLE FIRE ALARM CABLE (INDOOR)	HONEYWELL #4111	7161-1487:0100	———	———
"SFA" CABLE	ADDRESSABLE FIRE ALARM CABLE (OUTDOOR)	HONEYWELL #4151	7161-1487:0100	———	———
"FSP" CABLE	VOICE EVACUATION SPEAKER CABLE (INDOOR)	HONEYWELL #4106	7161-1487:0100	———	———
"SFSP" CABLE	VOICE EVACUATION SPEAKER CABLE (OUTDOOR)	HONEYWELL #4156	7161-1487:0100	———	———
"SAN" CABLE	FIRE ALARM RS-485 AUDIO CABLE	BELDEN #9841	7160-0060:0101	———	———
"FC" CABLE	FIRE ALARM COMMUNICATION CABLE	HONEYWELL #18-AWG 4/C	7161-1487:0100	———	———

NOTES (FIRE ALARM SYSTEM EQUIPMENT SPECIFICATIONS):

(A) END OF LINE RESISTORS FOR NOTIFICATION APPLIANCE CIRCUITS SHALL BE 3.9K OHM, 1/2 WATT.

(B) VERIFY BACKBOX REQUIREMENTS WITH FIRE ALARM SYSTEM EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

(C) END OF LINE RESISTORS FOR CONVENTIONAL DEVICES CONNECTED TO ADDRESSABLE MONITOR MODULE DEVICES AND/OR ADDRESSABLE CONTROL MODULES SHALL BE 3.9K OHM, 1/2 WATT.

FIRE ALARM LEVEL OF AUDIBILITY

ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15db ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FEET ABOVE THE FLOOR INSIDE BUILDING.

AMBIENT NOISE LEVELS SHALL BE CONSTRUED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS.

THE FIRE ALARM SIGNAL SHALL COMPLY WITH THE CALIFORNIA EDUCATION CODE, SECTIONS 32000 AND 32004, AND BE A TEMPORAL PATTERN, CODE 3 AND THEN FOLLOWED BY ANY VOICE MESSAGES.

SCHOOLS FIRE ALARM REQUIREMENTS

THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA BUILDING CODE, SECTION 907.2.3; CALIFORNIA ELECTRICAL CODE, ARTICLE 760 AND CALIFORNIA FIRE CODE, CHAPTER 9, SECTION 907.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY, NFPA 72. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING FIRE AGENCY.

FIRE ALARM SYSTEM CERTIFICATION AND DESCRIPTION SHALL BE PROVIDED FOR TESTING AND A PLASTIC LAMINATED COPY SHALL REMAIN (WITH INSTRUCTIONS) AT THE FIRE ALARM CONTROL PANEL PER NFPA 72.

THE FIRE ALARM 'CERTIFICATE OF COMPLETION' FORM IN NFPA 72 SHALL BE COMPLETED, SIGNED AND SUBMITTED.

SCOPE OF WORK

1. PROVIDE A NEW AUTOMATIC FIRE ALARM SYSTEM WITH SUPPLEMENTAL MANUAL FIRE DETECTION.
2. PROVIDE A FIRE ALARM CONTROL PANEL, FIRE ALARM POWER EXPANDER PANEL, ADDRESSABLE INITIATION DEVICES, NOTIFICATION APPLIANCES, CONDUIT, CABLING AND CONDUCTORS AS SHOWN ON THE DRAWINGS.

FIRE ALARM MONITORING NOTE

AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE AND PROPRIETARY) BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

FIRE ALARM RECORD DOCUMENTS CABINET NFPA 72, 7.7.2

- EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION.
- THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, 'SYSTEM RECORD DOCUMENTS'.
- ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
- CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
- WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.

SYSTEM DOCUMENTS AS APPLICABLE:

- RECORD DRAWINGS/AS-BUILTS.
- EQUIPMENT CUT SHEETS AND CA SFM LISTINGS.
- ALTERNATIVE MEANS AND METHODS.
- PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7).
- SYSTEM RECORD OF COMPLETION AND ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2).
- EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8.).
- EVALUATION DOCUMENTATION (NFPA 72, 7.3.9.).
- RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6).
- SOFTWARE AND FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2).

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY.
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Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
FIRE ALARM SYSTEM SPECIFICATIONS, CODES AND NOTES

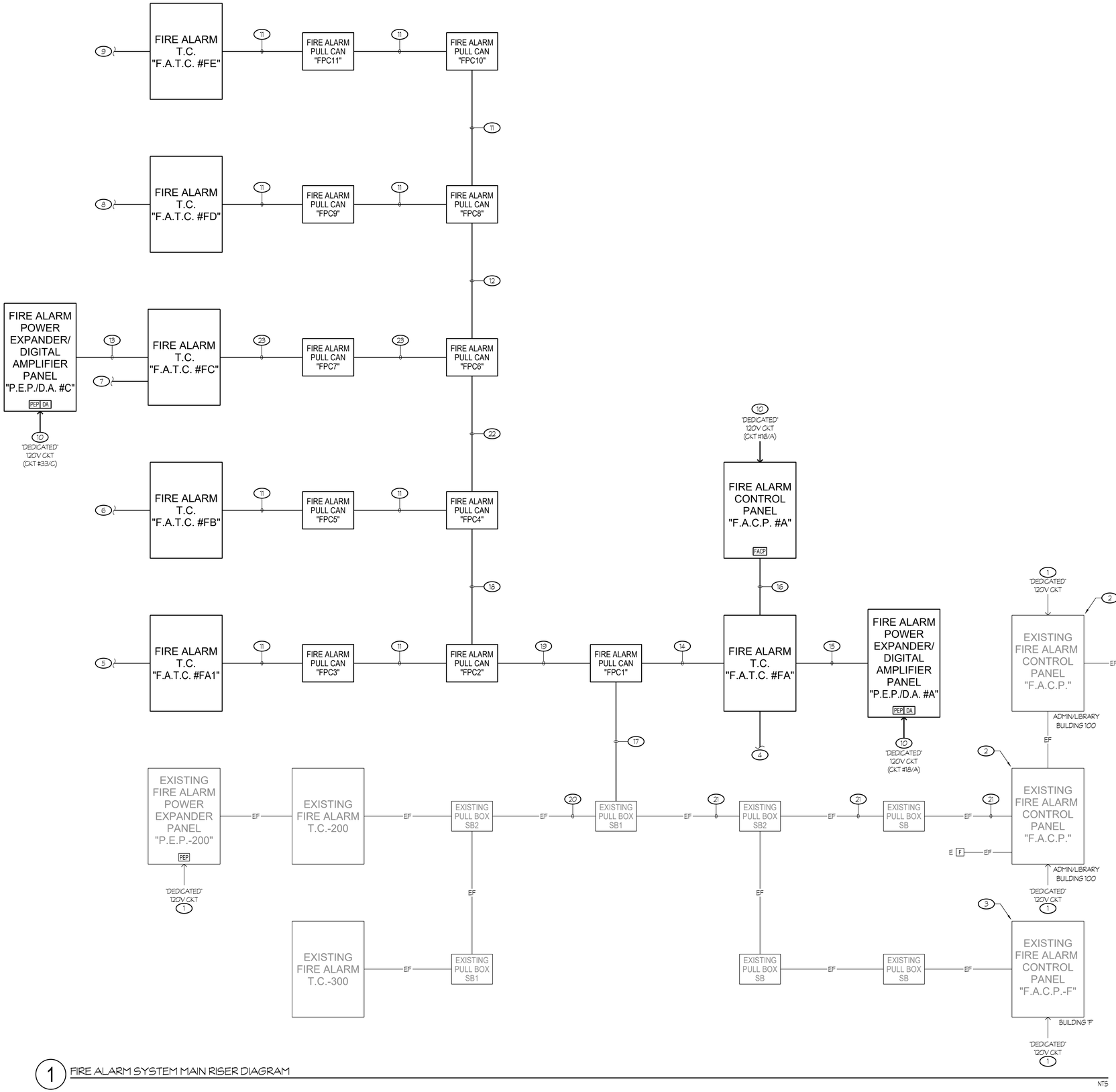
E7.1

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
RAYMOND K. KIRK SING
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth ~ (559)733-2671
Visalia, California 93292-6705

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E7.1.dwg [DATE PLOTTED: 10/24/25] JOB #: 24-092-SE By: Nicole [DATE PLOTTED: 07/08/25]



1 FIRE ALARM SYSTEM MAIN RISER DIAGRAM

NTS

NOTES (THIS SHEET ONLY):

1. EXISTING CIRCUIT BREAKER IS EQUIPPED WITH A 'RED' LOCK-ON ACCESSORY.
2. EXISTING FIRE ALARM EQUIPMENT WAS INSTALLED AND SUBMITTED IN D.S.A. APPLICATION NO. 02-115558, FILE NO. 516-14 AND WAS APPROVED ON DECEMBER 7, 2016.
3. EXISTING FIRE ALARM EQUIPMENT WAS SUBMITTED IN D.S.A. APPLICATION NO. 24113.
4. REFER TO PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING A, DETAIL #1/E7.3, FOR CONTINUATION.
5. REFER TO PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING A1, DETAIL #2/E7.3, FOR CONTINUATION.
6. REFER TO PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING B, DETAIL #3/E7.3, FOR CONTINUATION.
7. REFER TO PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING C, DETAIL #3/E7.4, FOR CONTINUATION.
8. REFER TO PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING D, DETAIL #2/E7.4, FOR CONTINUATION.
9. REFER TO PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING E, DETAIL #1/E7.4, FOR CONTINUATION.
10. CIRCUIT BREAKER SHALL BE EQUIPPED WITH A LOCK-ON ACCESSORY, 'RED' IN COLOR, SPACEAGE #ELOCK-FA OR EQUAL. PROVIDE AN ENGRAVED NAMEPLATE: 'FIRE ALARM - LEAVE ON'. NAMEPLATE SHALL HAVE WHITE LETTERS ON A RED BACKGROUND.
11. 1 1/2"C - ONE 'SFA' CABLE (SLC), ONE 'SFSP' CABLE (SPEAKER), 2 #12 (NOTIFICATION).
12. 1 1/2"C - TWO 'SFA' CABLES (SLC), TWO 'SFSP' CABLES (SPEAKER), 4 #12 (NOTIFICATION).
13. 1 1/2"C - ONE 'SFA' CABLE (SLC), THREE 'SFSP' CABLES (SPEAKER), 6 #12 (NOTIFICATION), ONE 'SAN' (AUDIO NETWORK).
14. 1 1/2"C - FIVE 'SFA' CABLES (SLC), TWO 'SFSP' CABLES (SPEAKER), 4 #12 (NOTIFICATION), ONE 'SAN' CABLE (AUDIO NETWORK), ONE 'SFN' CABLE (NETWORK).
15. 1 1/2"C - ONE 'SFA' CABLES (SLC), THREE 'SFSP' CABLES (SPEAKER), 6 #12 (NOTIFICATION), TWO 'SAN' CABLE (AUDIO NETWORK).
16. 1 1/2"C - SIX 'SFA' CABLES (SLC), TWO 'SAN' CABLES (AUDIO NETWORK), ONE 'SFN' CABLE (NETWORK).
17. 1 1/2"C - ONE 'SFN' CABLE (NETWORK) + ONE 'SAN' CABLE (AUDIO NETWORK).
18. 1 1/2"C - FOUR 'SFA' CABLES (SLC), ONE 'SFSP' CABLE (SPEAKER), 2 #12 (NOTIFICATION), ONE 'SAN' CABLE (AUDIO NETWORK).
19. 1 1/2"C - FIVE 'SFA' CABLES (SLC), TWO 'SFSP' CABLES (SPEAKER), 4 #12 (NOTIFICATION), ONE 'SAN' CABLE (AUDIO NETWORK).
20. ——— EF ——— DENOTES THE APPROXIMATE LOCATION OF EXISTING 'FIRE ALARM' FEEDERS AND/OR 'SPARE' CONDUITS.
21. EXISTING CONDUIT - ONE 'SFN' CABLE (NETWORK) + ONE 'SAN' CABLE (AUDIO NETWORK).
22. 1 1/2"C - THREE 'SFA' CABLES (SLC), ONE 'SAN' CABLE (AUDIO NETWORK).
23. 1 1/2"C - ONE 'SFA' CABLE (SLC), ONE 'SAN' CABLE (AUDIO NETWORK), TWO 'SFSP' CABLES (SPEAKER), 4 #12 (NOTIFICATION.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

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Rose Sing Eastham & Associates
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REGISTERED PROFESSIONAL ENGINEER — HEATHER K. KIRK — No. E-18786 — Exp. 6/30/27 — ELECTRICAL — STATE OF CALIFORNIA

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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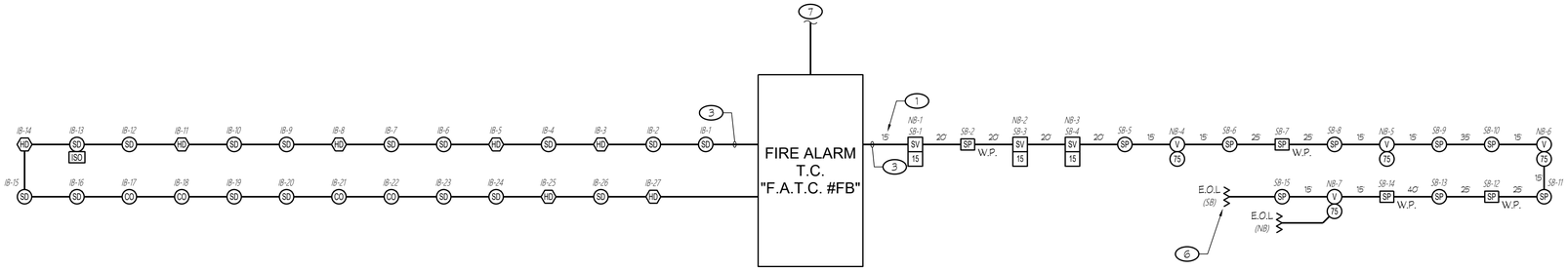
TITLE
FIRE ALARM SYSTEM
MAIN RISER
DIAGRAM

E7.2

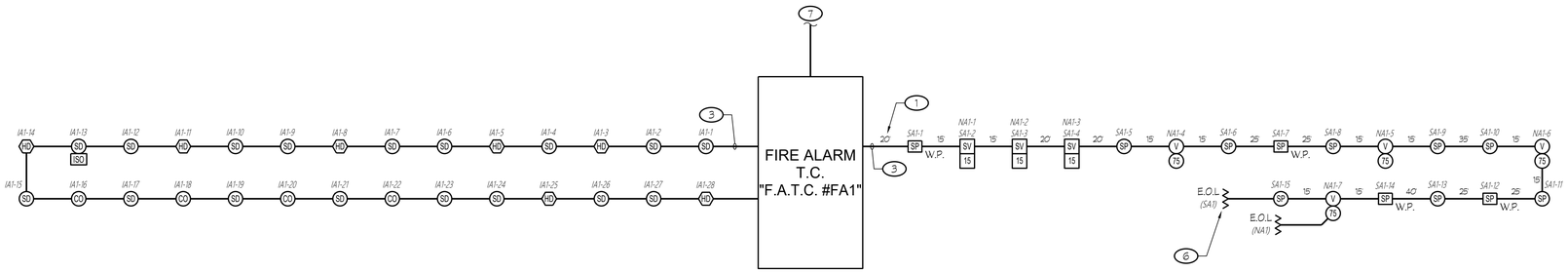
PROJECT 24043

Z:\Drafting\Jobs\RSES\24043 - Monroe Elem Modernization\E7.2.dwg DATE: 24AUG 09/25/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE



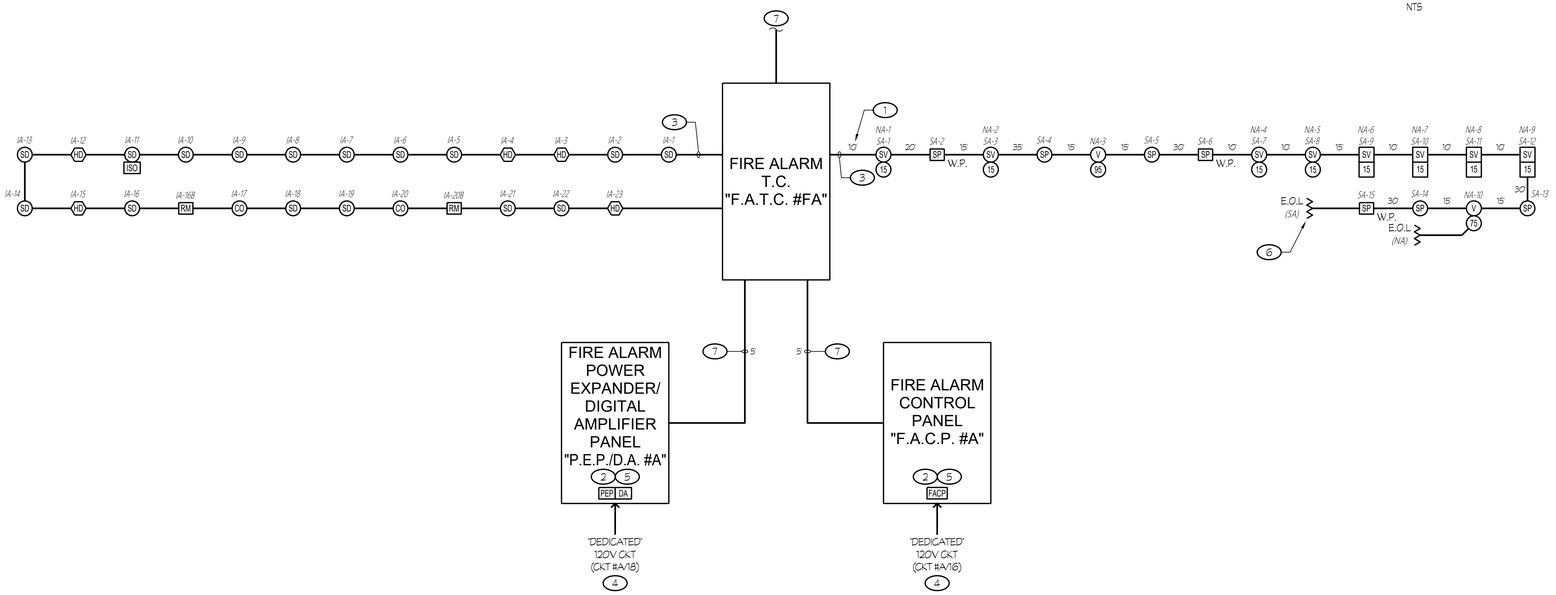
1 PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING B

NTS



2 PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING A1

NTS



3 PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING A

NTS

NOTES (THIS SHEET ONLY):

1. LENGTHS INDICATED WERE USED FOR CALCULATIONS/DESIGN PURPOSES ONLY AND BASED UPON THE 'DIAGRAMMATIC' LAYOUT SHOWN ON THE DRAWINGS. LENGTHS SHALL NOT BE USED FOR BIDDING.
2. PROVIDE A COPY OF THE BATTERY CALCULATION FOR THE 'RESPECTIVE' POWER EXPANDER PANEL (OR THE FIRE ALARM CONTROL PANEL "F.A.C.P."). THE BATTERY CALCULATION SHALL CONTAIN INFORMATION (AS NOTED ON THESE PLANS) AND BE PLASTIC LAMINATED. MOUNT ONTO INSIDE FACE OF PANEL.
3. REFER TO RESPECTIVE FIRE ALARM PLAN FOR CONDUIT AND CABLING/CONDUCTOR REQUIREMENTS, TYPICAL.
4. CIRCUIT BREAKER SHALL BE EQUIPPED WITH A LOCK-ON ACCESSORY, 'RED' IN COLOR, SPACEAGE #ELOCK-FA OR EQUAL. PROVIDE AN ENGRAVED NAMEPLATE: 'FIRE ALARM - LEAVE ON'. NAMEPLATE SHALL HAVE WHITE LETTERS ON A RED BACKGROUND.
5. PROVIDE 'END OF LINE' RESISTORS AT ANY UNUSED OUTPUTS.
6. DENOTES END OF LINE RESISTOR ON NOTIFICATION APPLIANCE CIRCUIT. RESISTORS SUPPLIED WITH CONTROL/EXPANDER PANELS AS REQUIRED. LOCATE RESISTORS AT END OF LINE APPLIANCES (CLASS 'B' WIRING). TYPICAL.
7. REFER TO FIRE ALARM SYSTEM RISER DIAGRAM, DETAIL #1/E7.2, FOR CONTINUATION AND CONDUIT/CABLE REQUIREMENTS.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

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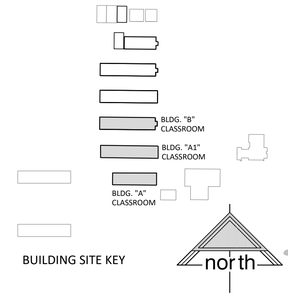

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TITLE
PARTIAL FIRE ALARM
SYSTEM RISER
DIAGRAMS

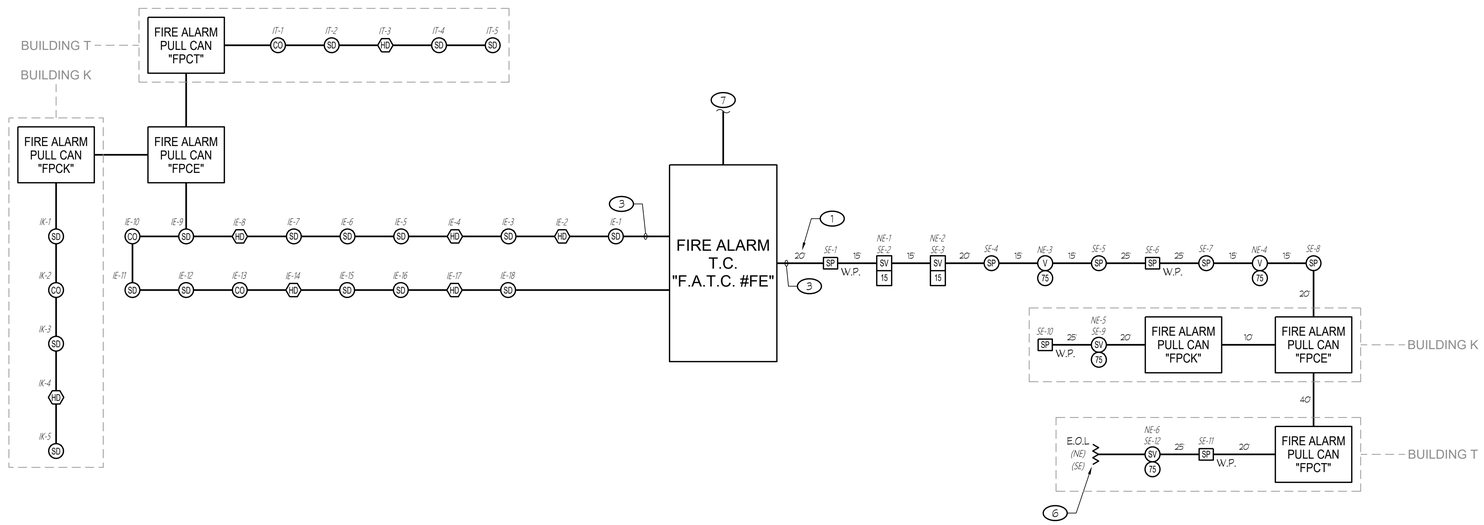
E7.3

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

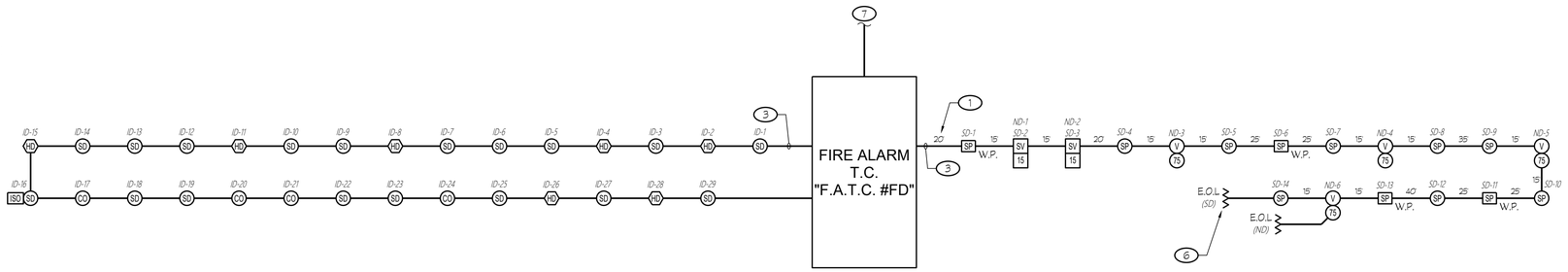
REGISTERED PROFESSIONAL ENGINEER
KIRK KIRK EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E7.3.dwg DATE SAVED: 07/28/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE



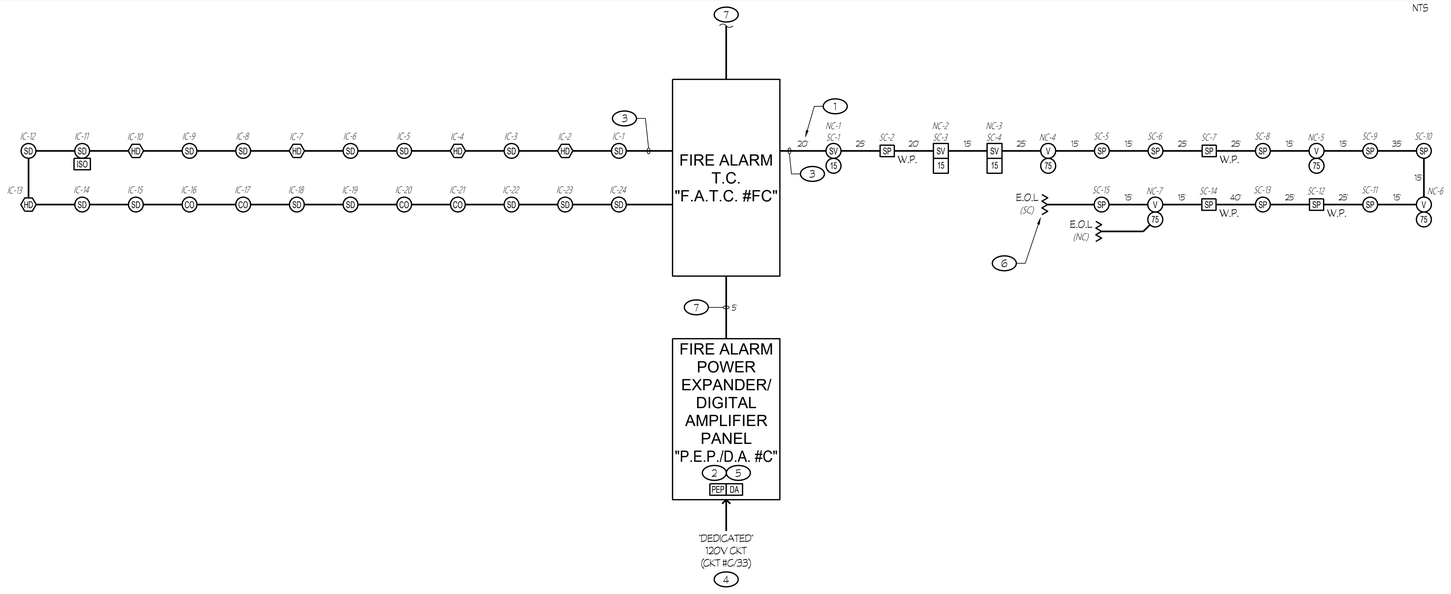
1 PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING E, BUILDING K & BUILDING T

NTS



2 PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING D

NTS



3 PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM - BUILDING C

NTS

NOTES (THIS SHEET ONLY):

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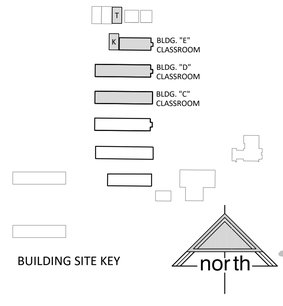

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REGISTERED PROFESSIONAL ENGINEER
ROBERT KIRK EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
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APPROVALS

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TITLE
PARTIAL FIRE ALARM SYSTEM RISER DIAGRAMS

E7.4

PROJECT 24043

Z:\Drafting\Jobs\RSES\SD\KDS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E7.4.dwg DATE: SAVED: 10/21/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE

SPEAKER dB LOSS CALCULATION

SPEAKER CIRCUIT	SPEAKER VOLTAGE	WIRE SIZE	RESISTANCE PER FOOT	FEET REQUIRED ON CIRCUIT	WIRE RESISTANCE	TOTAL WATTAGE OF SPEAKERS ON CIRCUIT	SPEAKER CURRENT (AMPS)	RESISTANCE OF SPEAKER LOAD	WIRE SIZE	ACTUAL VOLTAGE AT SPEAKER LOAD	ACTUAL WATTS AT SPEAKER LOAD	dB LOSS
SA	70	18	0.01278	360.000	4.601	18.000	0.257	272.22	18	68.8366	17.4067	-0.15
SA1	70	18	0.01278	535.000	6.837	19.000	0.271	257.89	18	68.1921	18.0312	-0.23
SB	70	18	0.01278	615.000	7.860	19.000	0.271	257.895	18	67.930	17.893	-0.261
SC	70	18	0.01278	450.000	5.751	19.000	0.271	257.895	18	68.473	18.180	-0.192
SD	70	18	0.01278	495.000	6.326	18.000	0.257	272.222	18	68.410	17.192	-0.200
SE	70	18	0.01278	450.00	5.751	15.000	0.214	326.67	18	68.7890	14.4855	-0.15

NOTE:

CALCULATION IS BASED ON EACH OF THE 'INTERIOR' SPEAKERS TAPPED AT 1 WATT AND EACH OF THE 'EXTERIOR' SPEAKERS TAPPED AT 2 WATTS.

SIGNALING LINE CIRCUIT SCHEDULE

DESCRIPTION/LOCATION	PANEL
BUILDING A - ADDRESSABLE/INITATION DEVICES	F.A.C.P. #A
BUILDING A1 - ADDRESSABLE/INITATION DEVICES	F.A.C.P. #A
BUILDING B - ADDRESSABLE/INITATION DEVICES	F.A.C.P. #A
BUILDING C - ADDRESSABLE/INITATION DEVICES	F.A.C.P. #A
BUILDING D - ADDRESSABLE/INITATION DEVICES	F.A.C.P. #A
BUILDING E, K & T - ADDRESSABLE/INITATION DEVICES	F.A.C.P. #A

NOTIFICATION APPLIANCE CIRCUIT SCHEDULE

CIRCUIT	DESCRIPTION/LOCATION	PANEL
NA	BUILDING A - VISUAL STROBES	P.E.P. #A
NA1	BUILDING A1 - VISUAL STROBES	P.E.P. #A
NB	BUILDING B - VISUAL STROBES	P.E.P. #A
NC	BUILDING C - VISUAL STROBES	P.E.P. #C
ND	BUILDING D - VISUAL STROBES	P.E.P. #C
NE	BUILDING E, K & T - VISUAL STROBES	P.E.P. #C

SPEAKER CIRCUIT SCHEDULE

CIRCUIT	DESCRIPTION/LOCATION	PANEL
SA	BUILDING A - SPEAKERS	D.A. #A
SA1	BUILDING A1 - SPEAKERS	D.A. #A
SB	BUILDING B - SPEAKERS	D.A. #A
SC	BUILDING C - SPEAKERS	D.A. #C
SD	BUILDING D - SPEAKERS	D.A. #C
SE	BUILDING E, K & T - SPEAKERS	D.A. #C

VOLTAGE DROP CALCULATIONS (OHM'S LAW)

VOLTAGE DROP = 2 (DC RESISTANCE AT 75°C FROM TABLE 8, C.E.C.) (LENGTH OF CIRCUIT / 1000) (CURRENT I)

PERCENT VOLTAGE DROP = VOLTAGE DROP / NOMINAL VOLTAGE x 100

1. NOTIFICATION APPLIANCE CIRCUIT " NA ":

SV 15 : 4 x 0.043 A = 0.172 A

V 75 : 1 x 0.111 A = 0.111 A

V 95 : 1 x 0.134 A = 0.134 A

0.417 A

VOLTAGE DROP = 2 (1.98) (200 / 1000) (0.417) = 0.33 V.D.

PERCENT VOLTAGE DROP = 0.33 / 24 x 100 = 1.4 %

2. NOTIFICATION APPLIANCE CIRCUIT " NA1 ":

SV 15 : 3 x 0.043 A = 0.129 A

V 75 : 4 x 0.111 A = 0.444 A

0.573 A

VOLTAGE DROP = 2 (1.98) (435 / 1000) (0.573) = 0.99 V.D.

PERCENT VOLTAGE DROP = 0.99 / 24 x 100 = 4.1%

3. NOTIFICATION APPLIANCE CIRCUIT " NB ":

SV 15 : 3 x 0.043 A = 0.129 A

V 75 : 4 x 0.111 A = 0.444 A

0.573 A

VOLTAGE DROP = 2 (1.98) (495 / 1000) (0.573) = 1.12 V.D.

PERCENT VOLTAGE DROP = 1.12 / 24 x 100 = 4.7 %

4. NOTIFICATION APPLIANCE CIRCUIT " NC ":

SV 15 : 2 x 0.043 A = 0.086 A

V 75 : 4 x 0.111 A = 0.444 A

0.530 A

VOLTAGE DROP = 2 (1.98) (325 / 1000) (0.530) = 0.68 V.D.

PERCENT VOLTAGE DROP = 0.68 / 24 x 100 = 2.8 %

5. NOTIFICATION APPLIANCE CIRCUIT " ND ":

SV 15 : 2 x 0.043 A = 0.086 A

V 75 : 4 x 0.111 A = 0.444 A

0.530 A

VOLTAGE DROP = 2 (1.98) (410 / 1000) (0.530) = 0.86 V.D.

PERCENT VOLTAGE DROP = 0.86 / 24 x 100 = 3.6 %

6. NOTIFICATION APPLIANCE CIRCUIT " NE ":

SV 15 : 2 x 0.043 A = 0.086 A

V 75 : 2 x 0.111 A = 0.222 A

SV 75 : 2 x 0.111 A = 0.222 A

0.530 A

VOLTAGE DROP = 2 (1.98) (360 / 1000) (0.530) = 0.76 V.D.

PERCENT VOLTAGE DROP = 0.76 / 24 x 100 = 3.2 %

FIRE ALARM CONTROL PANEL "F.A.C.P. #A" BATTERY CALCULATION

DESCRIPTION	QUANTITY	SUPV. CURRENT EACH	SUPV. CURRENT SUB-TOTAL	ALARM CURRENT EACH	ALARM CURRENT SUB-TOTAL
CONTROL PANEL	1	0.50100	0.50100	0.65400	0.65400
SIGNALING LINE CIRCUIT EXPANDER	1	0.07800	0.07800	0.07800	0.07800
POWER EXPANDER PANEL	2	0.00013	0.00026	0.00013	0.00026
SMOKE DETECTOR	111	0.00030	0.03330	0.00650	0.72150
CARBON MONOXIDE DETECTOR	26	0.00049	0.01261	0.00200	0.05200
ATTIC HEAT DETECTOR	42	0.00030	0.01260	0.00030	0.01260
RELAY MODULE	2	0.00030	0.00060	0.00550	0.01100
TOTALS			0.638		1.529

TOTAL ALARM CURRENT OF 1.529 x 0.250 (15 MINUTES) = 0.382 A.H.
TOTAL SUPERVISORY CURRENT OF 0.638 x 24 HOURS = 15.312 A.H.
TOTAL AMP HOURS REQUIRED 15.694 A.H.
x 1.25 SAFETY FACTOR
19.618 A.H.

PROVIDE 45.0 AMP HOUR BATTERIES

FIRE ALARM POWER EXPANDER/DIGITAL AMPLIFIER PANEL "P.E.P./D.A. #A" BATTERY CALCULATION

DESCRIPTION	QUANTITY	SUPV. CURRENT EACH	SUPV. CURRENT SUB-TOTAL	ALARM CURRENT EACH	ALARM CURRENT SUB-TOTAL
EXPANDER PANEL	1	0.01200	0.01200	0.12000	0.12000
AMPLIFIER	1	0.375	0.37500	0.700	0.70000
75cd STROBE (CEILING)	9	—	—	0.11100	0.99900
95cd STROBE (CEILING)	1	—	—	0.13400	0.13400
(A) SPEAKER/15cd STROBE (WALL)	10	—	—	0.04300	0.43000
TOTALS			0.387		2.383

TOTAL ALARM CURRENT OF 2.383 x 0.250 (15 MINUTES) = 0.596 A.H.
TOTAL SUPERVISORY CURRENT OF 0.387 x 24 HOURS = 9.288 A.H.
TOTAL AMP HOURS REQUIRED 9.884 A.H.
x 1.25 SAFETY FACTOR
12.355 A.H.

PROVIDE 15.0 AMP HOUR BATTERIES

FIRE ALARM POWER EXPANDER/DIGITAL AMPLIFIER PANEL "P.E.P./D.A. #C" BATTERY CALCULATION

DESCRIPTION	QUANTITY	SUPV. CURRENT EACH	SUPV. CURRENT SUB-TOTAL	ALARM CURRENT EACH	ALARM CURRENT SUB-TOTAL
EXPANDER PANEL	1	0.01200	0.01200	0.12000	0.12000
AMPLIFIER	1	0.375	0.37500	0.700	0.70000
75cd STROBE (CEILING)	10	—	—	0.11100	1.11000
SPEAKER/75cd STROBE (CEILING)	4	—	—	0.11100	0.44400
(A) SPEAKER/15cd STROBE (WALL)	2	—	—	0.04300	0.08600
TOTALS			0.387		2.460

TOTAL ALARM CURRENT OF 2.460 x 0.250 (15 MINUTES) = 0.615 A.H.
TOTAL SUPERVISORY CURRENT OF 0.387 x 24 HOURS = 9.288 A.H.
TOTAL AMP HOURS REQUIRED 9.903 A.H.
x 1.25 SAFETY FACTOR
12.379 A.H.

PROVIDE 15.0 AMP HOUR BATTERIES

(A) THE CURRENT VALUES LISTED ARE FOR THE STROBES ONLY. THE SPEAKER CURRENT IS INCLUDED IN THE VALUES LISTED UNDER THE DIGITAL AMPLIFIER.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL
HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0630 Office
(559) 627-1926 Fax

TITLE
FIRE ALARM SYSTEM
VOLTAGE DROP,
BATTERY AND SPEAKER
dB LOSS CALCS

E7.5

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
ROBERT K. KIRK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\RSES\24043\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E7.5.dwg DATE SAVED: 09/26/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE

APPROVALS
FILE # 16-14 APPLICATION # 02-123247

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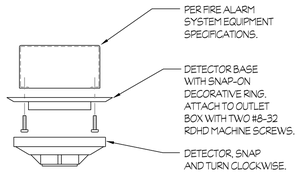
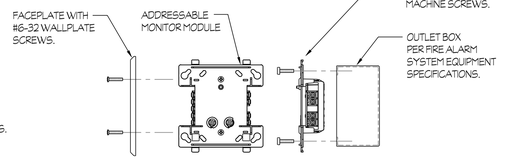
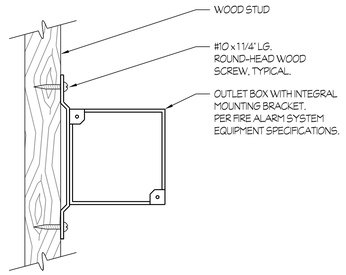


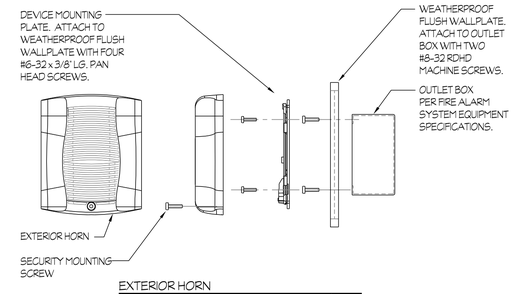
ADDRESSABLE SMOKE OR HEAT DETECTOR



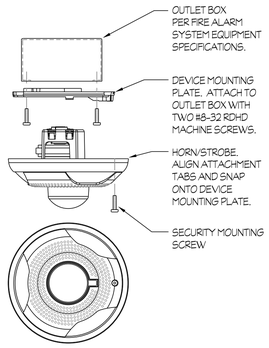
ADDRESSABLE MONITOR MODULE
(SIMILAR MOUNTING FOR ADDRESSABLE DUAL MONITOR, SUPERVISED OUTPUT, AND RELAY CONTROL MODULES)



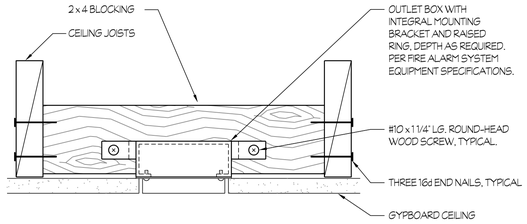
OUTLET BOX MOUNTING ONTO WOOD STUD
(SIMILAR MOUNTING FOR OUTLET BOX AT CEILING JOISTS)



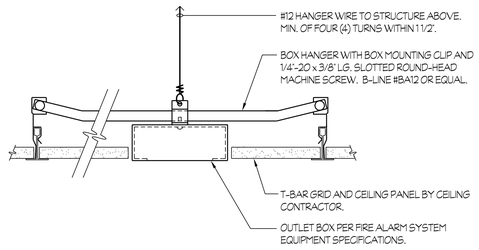
EXTERIOR HORN
(WITH WEATHERPROOF FLUSH WALLPLATE 'WTP')



CEILING HORN/STROBE



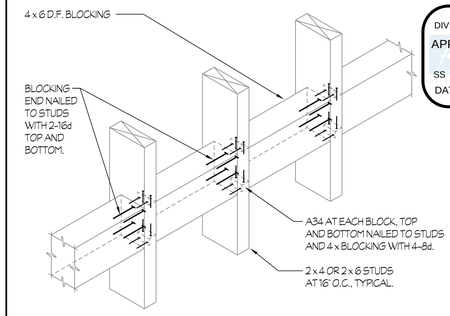
OUTLET BOX MOUNTING AT CEILING JOIST
(SIMILAR MOUNTING FOR OUTLET BOX BETWEEN WOOD STUDS)



OUTLET BOX MOUNTING AT SUSPENDED T-BAR CEILING

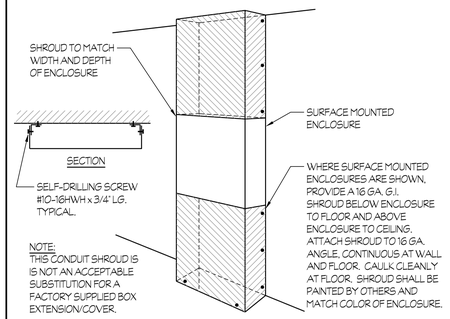
1 FIRE ALARM DEVICES MOUNTING
(ALL FIRE ALARM DEVICES ARE < 20 LBS)

NTS



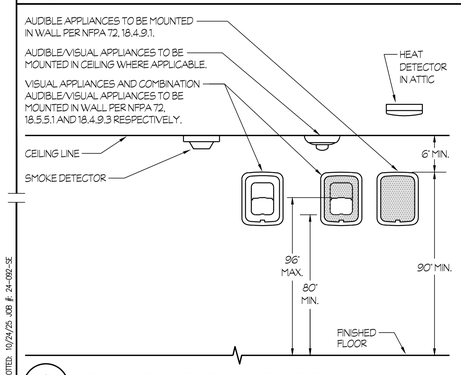
8 BLOCKING AT WOOD STUDS

NTS



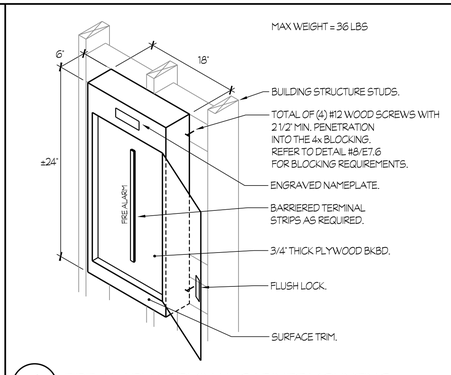
9 CONDUIT SHROUD AT SURFACE MOUNTED ENCLOSURES
(FOR ENCLOSING OF EXPOSED CONDUITS)

NTS



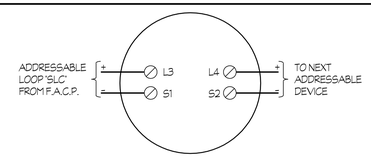
2 FIRE ALARM DEVICES ELEVATION

NTS

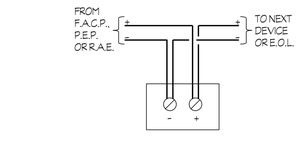


4 FIRE ALARM TERMINAL CABINET MOUNTING

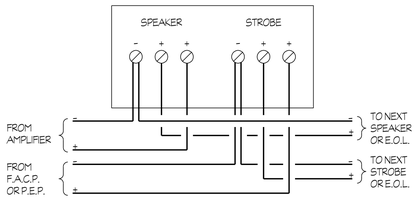
NTS



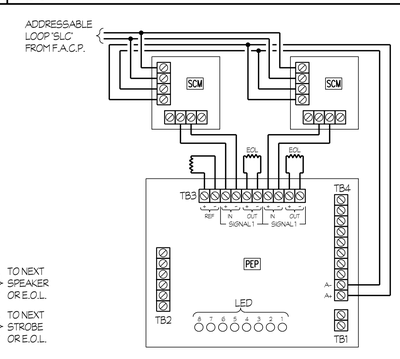
SMOKE, HEAT OR CARBON MONOXIDE DETECTOR



STROBE OR SPEAKER



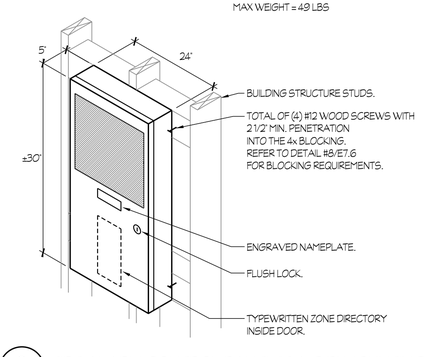
SPEAKER/STROBE



POWER EXPANDER PANEL PEP

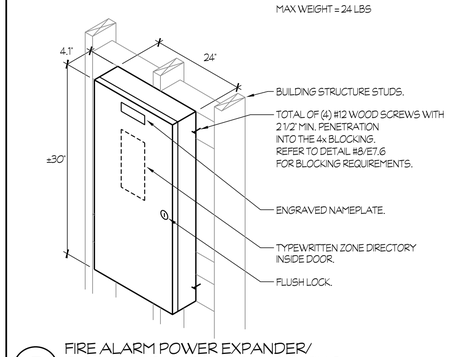
6 FIRE ALARM DEVICES WIRING DIAGRAM

NTS



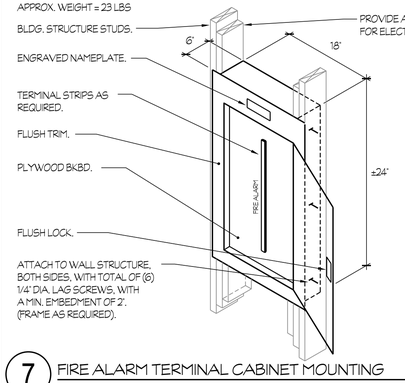
3 FIRE ALARM CONTROL PANEL "F.A.C.P" MOUNTING

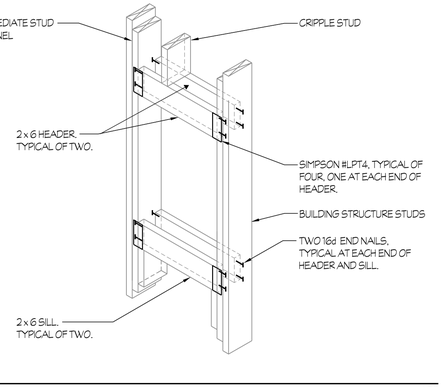
NTS



5 FIRE ALARM POWER EXPANDER/ DIGTAL AMPLFIER PANEL MOUNTING

NTS





7 FIRE ALARM TERMINAL CABINET MOUNTING

NTS

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Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
KIRK K. TRK EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

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www.mangini.us
(559) 627-0630 Office
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TITLE
FIRE ALARM SYSTEM DETAILS

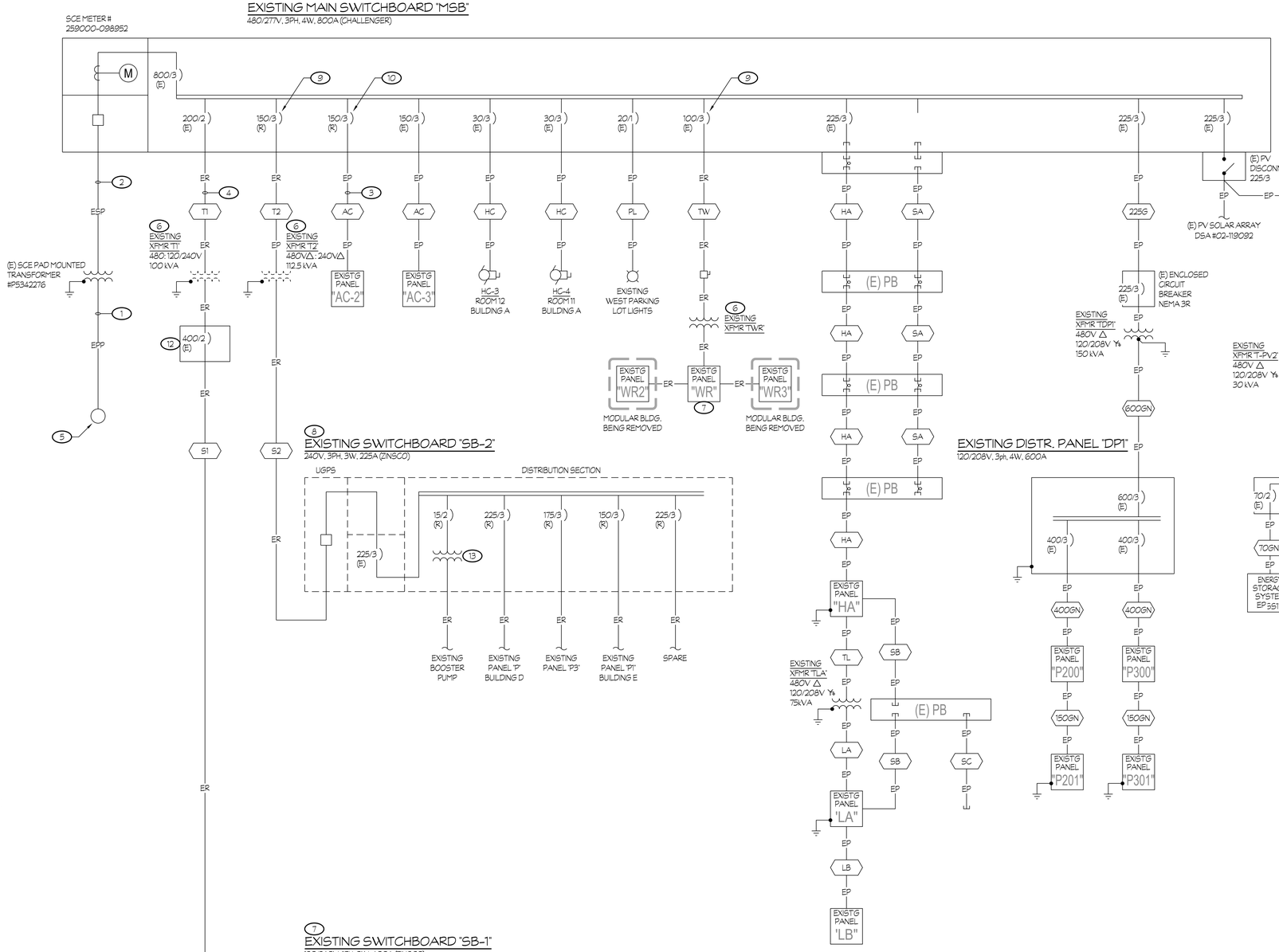
E7.6

PROJECT 24043

Z:\Drafting\Jobs\RSES\24043.S\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E7.6.dwg DATE SAVED: 10/21/25 By: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE

EXISTING MAIN SWITCHBOARD "MSB"

480/277V, 3PH, 4W, 800A (CHALLENGER)



EXISTING SWITCHBOARD "SB-2"

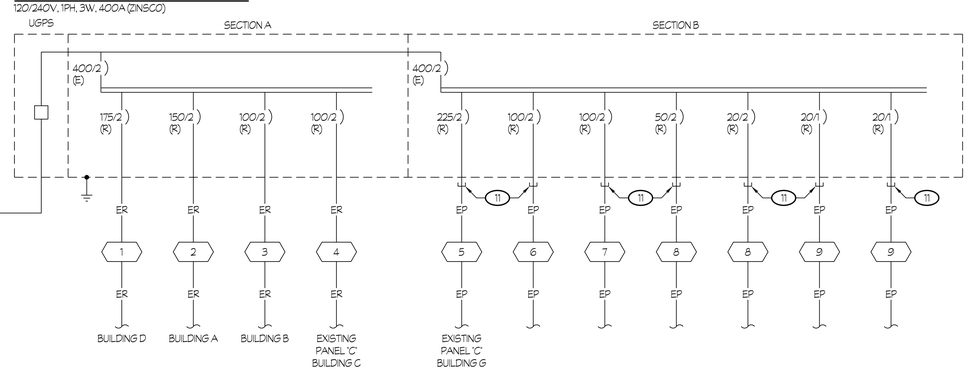
240V, 3PH, 3W, 225A (ZINSCO)

EXISTING DISTR. PANEL "DP1"

120/208V, 3ph, 4W, 600A

EXISTING SWITCHBOARD "SB-1"

120/240V, 1PH, 3W, 400A (ZINSCO)



ONE LINE DIAGRAM NOTES:

1. ——— EPP ——— DENOTES EXISTING S.C.E. "PRIMARY" CONDUIT AND CONDUCTORS.
2. ——— ESP ——— DENOTES EXISTING S.C.E. "SECONDARY" CONDUIT AND CONDUCTORS.
3. ——— EP ——— DENOTES EXISTING FEEDER TO REMAIN.
4. ——— ER ——— DENOTES EXISTING FEEDER TO BE REMOVED. ABANDON EXISTING CONDUIT IN PLACE.
5. EXISTING S.C.E. RISER POLE.
6. DISCONNECT AND REMOVE EXISTING TRANSFORMER. REMOVE ALL 'IDLE' FEEDER CONDUIT TO A MINIMUM OF 24" BELOW THE EXISTING FINISH GRADE.
7. DISCONNECT AND REMOVE EXISTING SWITCHBOARD. REMOVE ALL EXISTING 'IDLE' BRANCH CIRCUITING AND RESPECTIVE FEEDER AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. ANY EXPOSED UNDERGROUND CONDUITS SHALL BE REMOVED TO BELOW TOP OF EXISTING CONCRETE SLAB.
8. DISCONNECT AND REMOVE EXISTING SWITCHBOARD BEING REPLACED. SALVAGE ANY EXISTING BRANCH CIRCUITS TO REMAIN IN USE AND RECONNECT TO NEW MATCH CIRCUIT BREAKERS IN NEW SWITCHBOARD.
9. DISCONNECT EXISTING LOAD FROM EXISTING CIRCUIT BREAKER AND RE-LABEL CIRCUIT BREAKER AS SPARE.
10. DISCONNECT AND REMOVE EXISTING CIRCUIT BREAKER. REPLACE WITH NEW CIRCUIT BREAKER PER NEW ONE LINE DIAGRAM, DETAIL #1/E8.2.
11. FIELD VERIFY ROUTES OF EXISTING CONDUITS AND COORDINATE INTERCEPTION POINT FOR EXTENSION TO NEW SWITCHBOARD 'NSB'.
12. DISCONNECT AND REMOVE EXISTING ENCLOSED CIRCUIT BREAKER.
13. DISCONNECT AND REMOVE EXISTING TRANSFORMER AND RETURN TO OWNER.

EXISTING FEEDER SCHEDULE:

- 50G — EXISTING 1 1/4"C - 3 #8 + 1 #8 GND.
- 70GN1 — EXISTING 1 1/4"C - 3 #4 + 1 #8 GND.
- 100GN — EXISTING 1 1/2"C - 4 #2 + 1 #8 GND.
- 150GN — EXISTING 1 1/2"C - 4 #1 + 1 #6 GND.
- 225G — EXISTING 3"C - 3 #4/0 + 1 #4 GND.
- 400GN — EXISTING 3 1/2"C - 4 #500 KCMIL + 1 #2 GND.
- 600GN — EXISTING TWO SETS 3"C - 4 #350 + 1 #1 GND.
- AC — EXISTING 2"C - 4 #1/0 CU THW + 1 #6 GND.
- HA — EXISTING TWO 2"C - 4 #3/0 + 1 #2 GND.
- HC — EXISTING 3/4"C - 3 #10 CU TW + 1 #10 CU GND.
- LA — EXISTING 2 1/2"C - 4 #4/0 + 1 #2 GND.
- LB — EXISTING 1 1/2"C - 4 #1 + 1 #6 GND.
- PL — EXISTING
- S1 — EXISTING TWO 2"C - 3 #1/0 CU THW + 1 #2 CU GND IN EACH.
- S2 — EXISTING 3"C - 3 #350 MCM CU THW + 1 #4 GND.
- SA — EXISTING 2 1/2"C + PULL CORD (SPARE).
- SB — EXISTING TWO 1 1/2"C + PULL CORDS (SPARE).
- SC — EXISTING FOUR 1 1/2"C + PULL CORDS (SPARE).
- T1 — EXISTING 2"C - 2 #3/0 CU THW.
- T2 — EXISTING 2"C - 3 #1/0 CU THW.
- TL — EXISTING 1 1/2"C - 4 31 + 1 #6 GND.
- TW — EXISTING
- 1 — EXISTING 2 1/2"C - 3 #4/0.
- 2 — EXISTING 2"C - 3 #1/0.
- 3 — EXISTING 2 1/2"C - 3 #4/0.
- 4 — EXISTING 2 1/2"C - 3 #4/0.
- 5 — EXISTING 2 1/2"C - 3 #250 MCM.
- 6 — EXISTING 2"C - 3 #2/0.
- 7 — EXISTING 2"C - 3 #2/0.
- 8 — EXISTING SPARE.
- 9 — EXISTING 3/4"C - 2 #12.
- 10 — EXISTING TWO 2"C - 3 #1.

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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APP: 02-123247 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
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DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

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REVISIONS

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TITLE
EXISTING/ DEMOLITION ONE LINE DIAGRAM

E8.1

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
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Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
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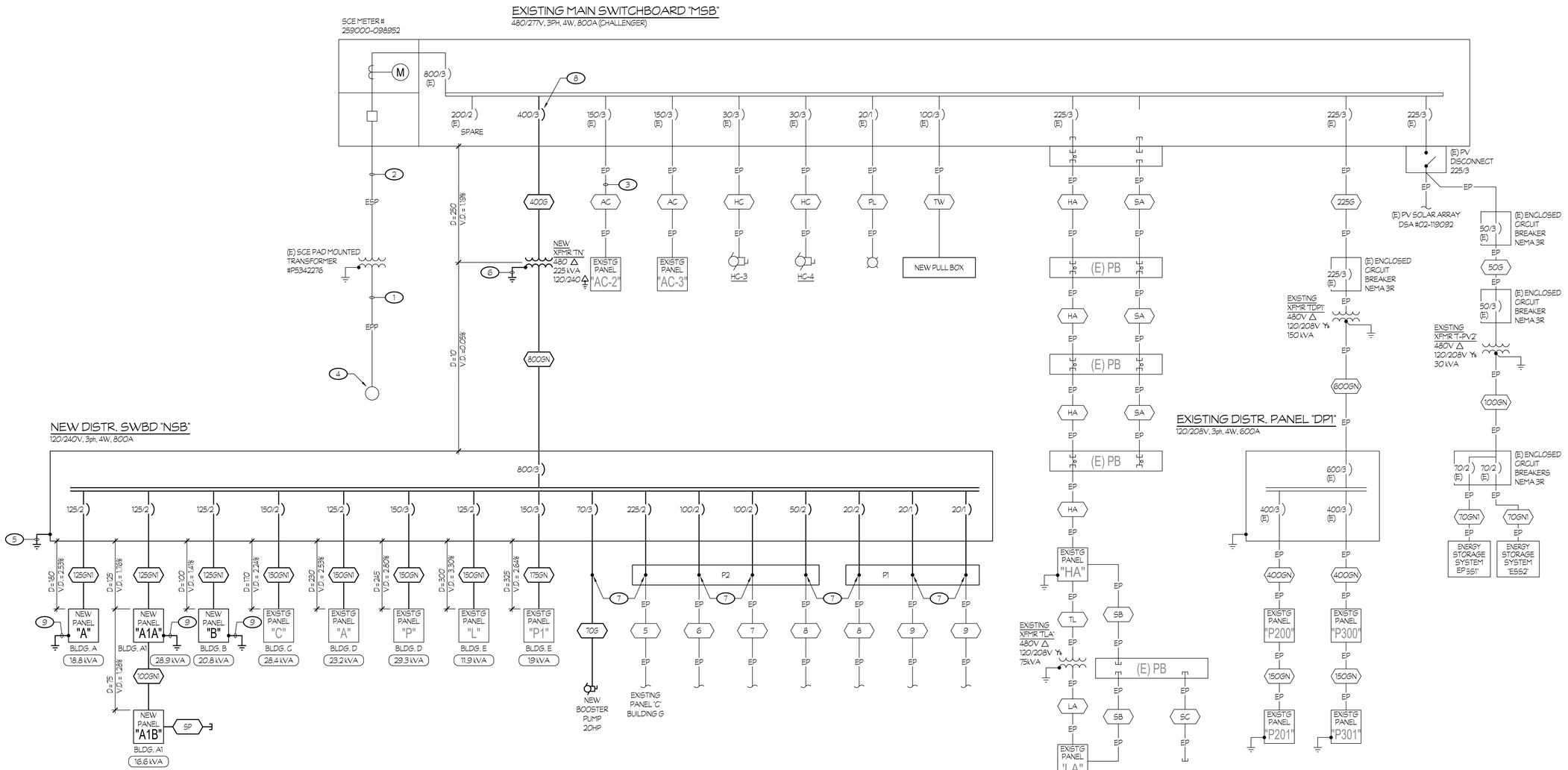
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

1 EXISTING/DEMOLITION ONE LINE DIAGRAM

NTS

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E8.1.dwg, DATE SAVED: 09/25/25 BY: Nicole, DATE PLOTTED: 10/24/25, JOB #: 24-092-SE



ONE LINE DIAGRAM NOTES:

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2. ——— ESP ——— DENOTES EXISTING S.C.E. "SECONDARY" CONDUIT AND CONDUCTORS.
3. ——— EP ——— DENOTES EXISTING FEEDER TO REMAIN.
4. EXISTING S.C.E. RISER POLE.
5. GROUND AND BOND REMOTE BUILDING PANEL PER DETAIL #6/E10.1.
6. BOND AND GROUND TRANSFORMER PER DETAIL #6/E10.1.
7. PICK-UP AND EXTEND EXISTING FEEDER CONDUCTORS TO NEW CIRCUIT BREAKER.
8. PROVIDE NEW CIRCUIT BREAKER, AMP RATING AS NOTED. MATCH EXISTING A.I.C..
9. BOND AND GROUND PER DETAIL #7/E10.2.

EXISTING FEEDER SCHEDULE:

- 50G — EXISTING 1 1/4"C - 3 #8 + 1 #8 GND.
- 70GN1 — EXISTING 1 1/4"C - 3 #4 + 1 #8 GND.
- 100GN — EXISTING 1 1/2"C - 4 #2 + 1 #8 GND.
- 150GN — EXISTING 1 1/2"C - 4 #1 + 1 #6 GND.
- 225G — EXISTING 3"C - 3 #4/0 + 1 #4 GND.
- 400GN — EXISTING 3 1/2"C - 4 #500 KCMIL + 1 #2 GND.
- 600GN — EXISTING TWO SETS 3"C - 4 #350 + 1 #1 GND.
- AC — EXISTING 2"C - 4 #1/0 CU THW + 1 #6 GND.
- HA — EXISTING TWO 2"C - 4 #3/0 + 1 #2 GND.
- HC — EXISTING 3/4"C - 3 #10 CU TW + 1 #10 CU GND.
- LA — EXISTING 2 1/2"C - 4 #4/0 + 1 #2 GND.
- LB — EXISTING 1 1/2"C - 4 #1 + 1 #6 GND.
- PL — EXISTING
- S1 — EXISTING TWO 2"C - 3 #1/0 CU THW + 1 #2 CU GND IN EACH.
- S2 — EXISTING 3"C - 3 #350 MCM CU THW + 1 #4 GND.
- SA — EXISTING 2 1/2"C + PULL CORD (SPARE).
- SB — EXISTING TWO 1 1/2"C + PULL CORDS (SPARE).
- SC — EXISTING FOUR 1 1/2"C + PULL CORDS (SPARE).
- T1 — EXISTING 2"C - 2 #3/0 CU THW.
- T2 — EXISTING 2"C - 3 #1/0 CU THW.
- TL — EXISTING 1 1/2"C - 4 31 + 1 #6 GND.
- TW — EXISTING SPARE CONDUIT.
- 5 — EXISTING 2 1/2"C - 3 #250 MCM.
- 6 — EXISTING 2"C - 3 #2/0.
- 7 — EXISTING 2"C - 3 #2/0.
- 8 — EXISTING SPARE.
- 9 — EXISTING 3/4"C - 2 #12.
- 10 — EXISTING TWO 2"C - 3 #1.

NEW FEEDER SCHEDULE:

(ALL UNDERGROUND CONDUCTORS, OF A 480/277V POWER SYSTEM, SHALL BE TYPE CU-XHHW-2. ALL OTHER CONDUCTORS, INCLUDING THE EQUIPMENT GROUNDING CONDUCTOR, SHALL BE CU-THWN-2 FOR #8 AWG OR LARGER AND CU-THWN FOR #10 AWG OR SMALLER).

- 400G — 4"C - 3 #500 kMIL + 1 #2 GND.
- 800GN — 2 SETS - 3 1/2"C - 4 #500 kcMIL + 1 #1/0 GND IN EACH.
- 100GN — 1 1/2"C - 3 #2 + 1 #8 GND.
- 125GN — 1 1/2"C - 3 #1 + 1 #6 GND.
- 150GN — 2"C - 3 #1/0 + 1 #6 GND.
- 150GN — 2"C - 4 #1/0 + 1 #6 GND.
- 175GN — 2"C - 4 #3/0 + 1 #6 GND.
- 70G — 1 1/2"C - 3 #4 + 1 #8 GND.
- SP — 1 1/2"C SPARE.

1 NEW ONE LINE DIAGRAM

NTS

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT JAMES R. MORRELL No. C-26128 REN. 05-31-27 STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
NEW ONE LINE DIAGRAM

E8.2

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER STEVEN K. KIRK No. E-16786 Exp. 6/30/27 ELECTRICAL STATE OF CALIFORNIA

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

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APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
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DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORREU
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

NEW PANEL "A"

120/240V, 1 PH, 3 W | 14K BREAKER A.I.C.
100 A. BUSSING | 100A MAIN BKR. | 5 3/4" MAX. ENCL. DEPTH
42 CIRCUIT | FLUSH MOUNTING

CKT	BKR	LOAD: V.A. A	LOAD: V.A. B	DESCRIPTION	DESCRIPTION	LOAD: V.A. B	LOAD: V.A. A	BKR	CKT	
1	20/1	1285		LIGHTS - EAST	RECEPT - WEST CLASSROOMS		720	20/2	2	
3	20/1		1135	LIGHTS - WEST	RECEPT - WEST CLASSROOMS	900		20/1	4	
5	20/1	1000		RECEPT - CHARGING CART	RECEPT - CHARGING CART		1000	20/1	6	
7	20/1		125	EXTERIOR LIGHTS - SOFFIT	RECEPT - TOILETS, OFFICE, STOR.	1080		20/1	8	
9	20/1	720		RECEPT - EAST CLASSROOM	RECEPT - TOILETS, OFFICE, STOR.		1080	20/1	10	
11	20/1		900	RECEPT - EAST CLASSROOM	RECEPT - CONTROLLED	360		20/1	12	
13	20/1	1450		HAND DRYER	RECEPT - CONTROLLED		360	20/1	14	
15	20/1		1450	HAND DRYER	F.A. CNTRL PNL "F.A.C.P. #A"	500		20/1	16	(2)
17	20/1	1450		HAND DRYER	PWR EXP./DIG AMP PNL "P.E.P./D.A. #A"		500	20/1	18	
19	20/1		1450	HAND DRYER	LIGHTS - EXTERIOR	70		20/1	20	
21	20/1			SPARE	SPARE			20/1	22	
23	20/1		500	RECEPT - IDF	UNIT SHUTDOWN	100		20/1	24	
25	20/1			SPARE	SPARE			20/1	26	
27	20/1			SPARE	SPARE			20/1	28	
29									30	
31									32	
33									34	
35									36	
37									38	
39									40	
41									42	

LOAD SUMMARY	A	B	
CONNECTED LOAD (VA) :	9565	8570	TOTAL CALCULATED
25% LCL/LML (VA) :	321	315	LOAD FOR PANEL:
TOTAL LOAD (VA) :	9886	8885	18771 VA
TOTAL LOAD (AMPS) :	41.2	37.0	

NEW PANEL "A1A"

120/240V, 1 PH, 3 W | 14K BREAKER A.I.C.
100 A. BUSSING | 100A MAIN BKR. | 5 3/4" MAX. ENCL. DEPTH
42 CIRCUIT | FLUSH MOUNTING

CKT	BKR	LOAD: V.A. A	LOAD: V.A. B	DESCRIPTION	DESCRIPTION	LOAD: V.A. B	LOAD: V.A. A	BKR	CKT
1	20/1	580		LIGHTS - MIDDLE EAST	RECEPT - CLASSROOM		540	20/2	2
3	20/1		1185	LIGHTS - EAST, RESTROOMS	RECEPT - CLASSROOM	540		20/1	4
5	20/1	435		EXH. FANS, EF-1A1, EF-2A1	RECEPT - CLASSROOM		540	20/1	6
7	20/1		1450	HAND DRYER	RECEPT - CLASSROOM	540		20/1	8
9	20/1	1450		HAND DRYER	RECEPT - CHARGING CART		1000	20/1	10
11	20/1		250	EXTERIOR LIGHTS - SOFFIT	RECEPT - CLASSROOM	540		20/1	12
13	20/1	120		RECEPT - EDF-1	RECEPT - CLASSROOM		540	20/1	14
15	20/1			SPARE	RECEPT - CLASSROOM	540		20/1	16
17	20/1	500		RECEPT - IDF	RECEPT - CLASSROOM		540	20/1	18
19	20/1			SPARE	RECEPT - CHARGING CART	1000		20/1	20
21	20/1			SPARE	SPARE		4784	20/1	22
23	20/1			SPARE	SPARE	3340		20/1	24
25									26
27									28
29									30
31									32
33									34
35									36
37									38
39					NEW PANEL "A1B"	9404		100/2	40
41							6830		42

LOAD SUMMARY	A	B	
CONNECTED LOAD (VA) :	17859	18789	TOTAL CALCULATED
25% LCL/LML (VA) :	145	359	LOAD FOR PANEL:
TOTAL LOAD (VA) :	18004	19148	37152 VA
TOTAL LOAD (AMPS) :	75.0	79.8	

NEW PANEL "B"

120/240V, 1 PH, 3 W | 14K BREAKER A.I.C.
100 A. BUSSING | 100A MAIN BKR. | 5 3/4" MAX. ENCL. DEPTH
42 CIRCUIT | FLUSH MOUNTING

CKT	BKR	LOAD: V.A. A	LOAD: V.A. B	DESCRIPTION	DESCRIPTION	LOAD: V.A. B	LOAD: V.A. A	BKR	CKT	
1	20/1	980		LIGHTS - EAST, RESTROOMS	RECEPT - CLASSROOM		720	20/2	2	
3	20/1		580	LIGHTS - MIDDLE EAST	SPARE			20/1	4	
5	20/1	1155		LIGHTS - WEST	RECEPT - CLASSROOM		540	20/1	6	
7	20/1		200	EXTERIOR LIGHTS - SOFFIT	RECEPT - CLASSROOM	540		20/1	8	
9	20/1			SPARE	RECEPT - CHARGING CART		1000	20/1	10	
11	20/1		435	EXH. FANS, EF-1B, EF-2B	RECEPT - EDF-1	120		20/1	12	
13	20/1	1450		HAND DRYER	EXISTING ROOF RECEPTS		360	20/1	14	(1)
15	20/1		1450	HAND DRYER	RECEPT - CLASSROOM	720		20/1	16	
17	20/1	720		RECEPT - CLASSROOM	SPARE			20/1	18	
19	20/1			SPARE	RECEPT - CLASSROOM	540		20/1	20	
21	20/1	540		RECEPT - CLASSROOM	RECEPT - CLASSROOM		540	20/1	22	
23	20/1		540	RECEPT - CLASSROOM	RECEPT - CHARGING CART	1000		20/1	24	
25	20/1			SPARE	SPARE			20/1	26	
27	20/1		1000	RECEPT - CHARGING CART	RECEPT - CLASSROOM	720		20/1	28	
29	20/1			SPARE	RECEPT - CLASSROOM		540	20/1	30	
31	20/1		500	RECEPT - IDF	RECEPT - CLASSROOM	540		20/1	32	
33	20/1			SPARE	RECEPT - CHARGING CART		1000	20/1	34	
35	20/1			SPARE	SPARE			20/1	36	
37	20/1			SPARE	SPARE			20/1	38	
39	20/1			SPARE	SPARE			20/1	40	
41	20/1			SPARE	SPARE			20/1	42	

LOAD SUMMARY	A	B	
CONNECTED LOAD (VA) :	9545	8885	TOTAL CALCULATED
25% LCL/LML (VA) :	534	195	LOAD FOR PANEL:
TOTAL LOAD (VA) :	10079	9080	19159 VA
TOTAL LOAD (AMPS) :	42.0	37.8	

NEW PANEL "A1B"

120/240V, 1 PH, 3 W | 14K BREAKER A.I.C.
100 A. BUSSING | NO MAIN BKR. | 5 3/4" MAX. ENCL. DEPTH
42 CIRCUIT | FLUSH MOUNTING

CKT	BKR	LOAD: V.A. A	LOAD: V.A. B	DESCRIPTION	DESCRIPTION	LOAD: V.A. B	LOAD: V.A. A	BKR	CKT
1	20/1	540		RECEPT - CLASSROOM	LIGHTS - WEST		1155	20/2	2
3	20/1		540	RECEPT - CLASSROOM	RECEPT - CLASSROOM	540		20/1	4
5	20/1	540		RECEPT - CLASSROOM	RECEPT - CLASSROOM		540	20/1	6
7	20/1		540	RECEPT - CLASSROOM	RECEPT - CLASSROOM	540		20/1	8
9	20/1	1000		RECEPT - CHARGING CART	RECEPT - CLASSROOM		540	20/1	10
11	20/1			SPARE	RECEPT - CHARGING CART	1000		20/1	12
13	20/1			SPARE	SPARE			20/1	14
15	20/1			SPARE	SPARE			20/1	16
17	20/1			SPARE	SPARE			20/1	18
19									20
21									22
23									24
25									26
27									28
29									30
31									32
33									34
35									36
37									38
39								60/2	40
41					FUTURE PANEL "GC"				42

LOAD SUMMARY	A	B	
CONNECTED LOAD (VA) :	4315	3160	TOTAL CALCULATED
25% LCL/LML (VA) :	289	0	LOAD FOR PANEL:
TOTAL LOAD (VA) :	4604	3160	7764 VA
TOTAL LOAD (AMPS) :	19.2	13.2	

TYPICAL PANEL SCHEDULE NOTES:

(1) RECONNECT EXISTING LOAD TO NEW MATCHING CIRCUIT BREAKERS IN NEW PANEL.

(2) PROVIDE A LOCK-ON DEVICE AT THIS CIRCUIT BREAKER, 'RED IN COLOR', SPACEAGE #ELOCK-FA OR EQUAL. PROVIDE AN ENGRAVED NAMEPLATE: 'FIRE ALARM CIRCUIT', WHITE LETTERS ON A RED BACKGROUND. MOUNT NAMEPLATE ONTO INTERIOR TRIM AND ADJACENT TO CIRCUIT BREAKER.

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
KIRK A. EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
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(559) 627.0530 Office
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TITLE
PANEL SCHEDULES

E9.1

PROJECT 24043

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APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

(E) PANEL "C"

120/240V, 1 PH, 3 W
225 A. BUSSING 225 MAIN BKR.
42 CIRCUIT
14K BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
FLUSH MOUNTING

CKT	BKR	LOAD: V.A. A	LOAD: V.A. B	DESCRIPTION	DESCRIPTION	LOAD: V.A. B	LOAD: V.A. A	BKR	CKT
1	20/1	500		CLOCK FOR LIGHTS	RECEPT - CLASSROOM		720	20/2	2 (2)
3	20/1		950	LIGHTS - EAST, RESTROOMS	SPARE			20/1	4 (1)
5	20/1	580		LIGHTS - MIDDLE EAST	RECEPT - CLASSROOM		540	20/1	6 (2)
7	20/1		1155	LIGHTS - WEST	RECEPT - CLASSROOM	540		20/1	8 (2)
9	20/1	200		EXTERIOR LIGHTS - SOFFIT	TIME CLOCK		500	20/1	10
11	20/1		900	RECEPT - COUNTER	EXISTING ROOF RECEPTS	360		20/1	12
13	20/1	900		RECEPT - COUNTER	RECEPT - CHARGING CART		1000	20/1	14 (2)
15	20/1		1000	COKE MACHINE	RECEPT - CHARGING CART	1000		20/1	16 (2)
17	20/1	1500		WATER HEATER	RECEPT - CHARGING CART		1000	20/1	18
19 (2)	20/1		720	RECEPT - CLASSROOM	EXISTING A/C	1500		40/2	20
21 (1)	20/1			SPARE			1500		22
23	20/1		540	RECEPT - CLASSROOM	SPARE			20/1	24 (1)
25 (2)	20/1	540		RECEPT - CLASSROOM	RECEPT - CLASSROOM		720	20/1	26
27	20/1		1000	RECEPT - CHARGING CART	RECEPT - CLASSROOM	540		20/1	28 (2)
29	20/1	360		RECEPTS - BATHROOMS	RECEPT - CLASSROOM		540	20/1	30
31 (2)	20/1		500	RECEPT - IDF	RECEPT - CLASSROOM	540		20/1	32
33 (2), (3)	20/1	500		PWR EXP./DIG AMP PNL "P.E.P./D.A. #A"	RECEPT - CLASSROOM		540	20/1	34
35 (4)	20/1		120	RECEPT - EDF-1	RECEPT - CLASSROOM	720		20/1	36
37	20/1			SPARE	SPARE			20/1	38 (1)
39	15/1			SPARE	RECEPT - BREAK ROOM	900		20/1	40
41	15/1			SPARE	RECEPT - BREAK ROOM		900	20/1	42

LOAD SUMMARY	A	B
CONNECTED LOAD (VA) :	13040	12985
25% LCL/LML (VA) :	195	526
TOTAL LOAD (VA) :	13235	13511
TOTAL LOAD (AMPS) :	55.1	56.3

TOTAL CALCULATED LOAD FOR PANEL: 26746 VA

(E) PANEL "A"

120/240V, 1 PH, 3 W
225 A. BUSSING 200 A. MAIN BKR.
42 CIRCUIT
14K BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
FLUSH MOUNTING

CKT	BKR	LOAD: V.A. A	LOAD: V.A. B	DESCRIPTION	DESCRIPTION	LOAD: V.A. B	LOAD: V.A. A	BKR	CKT
1	20/1	990		LIGHTS - EAST, RESTROOMS	RECEPT - CLASSROOM		540	20/1	2
3 (2)	20/1		580	LIGHTS - MIDDLE EAST	RECEPT - CLASSROOM	360		20/1	4
5 (2)	20/1	1155		LIGHTS - WEST	RECEPT - CLASSROOM		540	20/1	6
7	20/1		250	EXTERIOR LIGHTS - SOFFIT	RECEPT - CLASSROOM	360		20/1	8
9	20/1	900		UTILITY RM PLUGS	RECEPT - CHARGING CART		1000	20/1	10
11	20/1		435	EXH. FANS, EF-1D, EF-2D	RECEPT - CHARGING CART	1000		20/1	12
13 (2)	20/1	1450		HAND DRYER	RECEPT - CHARGING CART		1000	20/1	14
15	20/1		1450	HAND DRYER	RECEPT - CLASSROOM	540		20/1	16 (2)
17 (1)	20/1			SPARE	RECEPT - CLASSROOM		360	20/1	18
19	20/1		540	RECEPT - CLASSROOM	RECEPT - CLASSROOM	360		20/1	20
21	20/1	360		RECEPT - CLASSROOM	RECEPT - CLASSROOM		540	20/1	22
23 (2)	20/1		360	RECEPT - CLASSROOM	RECEPT - CLASSROOM	540		20/1	24
25	20/1	540		RECEPT - CLASSROOM	RECEPT - CLASSROOM		360	20/1	26
27	20/1		1000	RECEPT - CHARGING CART	RECEPT - CLASSROOM	540		20/1	28
29	20/1			SPARE	RECEPT - CLASSROOM		540	20/1	30
31	20/1		900	UTILITY RM PLUGS	RECEPT - EDF-1	120		20/1	32 (2)
33 (1)	20/1			SPARE	SPARE			20/1	34 (1)
35	20/1			SPARE	RECEPT - IDF	500		20/1	36 (2)
37 (1)	20/1			SPARE	SPARE			20/1	38 (1)
39	20/1			SPARE	BLGD. E MAIN BREAKER			100/2	40
41	30/1	900		UTILITY RM PLUGS					42

LOAD SUMMARY	A	B
CONNECTED LOAD (VA) :	11175	9835
25% LCL/LML (VA) :	536	208
TOTAL LOAD (VA) :	11711	10043
TOTAL LOAD (AMPS) :	48.8	41.8

TOTAL CALCULATED LOAD FOR PANEL: 21754 VA

(E) PANEL "P"

120/240V, 3 PH, 4 W
225 A. BUSSING 150 A. MAIN BKR.
30 CIRCUIT
14K BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
FLUSH MOUNTING

CKT	BKR	LOAD: V.A. A	LOAD: V.A. B	LOAD: V.A. C	DESCRIPTION	DESCRIPTION	LOAD: V.A. C	LOAD: V.A. B	LOAD: V.A. A	BKR	CKT
1	30/3	1940			EXISTING A/C RM 54	EXISTING A/C RM 52			1940	30/3	2
3			1940					1940			4
5				1940			1940				6
7	30/3	1940			EXISTING A/C RM 53	EXISTING A/C RM 51			1940	30/3	8
9			1940					1940			10
11				1940			1940				12
13	20/3	500			EXISTING LOAD	EXISTING LOAD			500	20/3	14
15			500					500			16
17				500			500				18
19	20/3	500			EXISTING LOAD	SPARE				20/3	20
21			500								22
23				500							24
25	20/3	500				SPACE					26
27			500		EXISTING LOAD	SPACE					28
29				500		SPACE					30

LOAD SUMMARY	A	B	C
CONNECTED LOAD (VA) :	9760	9760	9760
25% LCL/LML (VA) :	0	0	0
TOTAL LOAD (VA) :	9760	9760	9760
TOTAL LOAD (AMPS) :	40.7	40.7	40.7

TOTAL CALCULATED LOAD FOR PANEL: 29280 VA

(E) PANEL "L"

120/240V, 1 PH, 3 W
125 A. BUSSING 100 A. MAIN BKR.
30 CIRCUIT
14K BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
FLUSH MOUNTING

CKT	BKR	LOAD: V.A. A	LOAD: V.A. B	DESCRIPTION	DESCRIPTION	LOAD: V.A. B	LOAD: V.A. A	BKR	CKT
1	20/1	990		LIGHTS - EAST, RESTROOMS	RECEPT - CLASSROOM		540	20/2	2
3	20/1		290	LIGHTS - WEST	RECEPT - CLASSROOM	360		20/1	4
5	20/1	435		EXH. FANS, EF-1E, EF-2E	RECEPT - CLASSROOM		540	20/1	6 (2)
7	20/1		1450	HAND DRYER	RECEPT - CLASSROOM	540		20/1	8
9 (2)	20/1	1450		HAND DRYER	RECEPT - CHARGING CART		1000	20/1	10
11	20/1		540	RECEPT - CLASSROOM	RECEPT - CHARGING CART	1000		20/1	12
13	20/1	360		RECEPT - CLASSROOM	SPARE			20/1	14 (1)
15	20/1		360	RECEPT - CLASSROOM	RECEPT - EDF-1	120		20/1	16 (2)
17	20/1	540		RECEPT - CLASSROOM	SPARE			20/1	18 (1)
19	20/1		175	EXTERIOR LIGHTS - SOFFIT	SPARE			20/1	20
21 (1)	20/1			SPARE	DRYER			30/2	22
23 (2)	20/1		500	RECEPT - IDF					24
25	30/1			HOT WATER	SPACE			20/1	26
27	100/2			MAIN BREAKER	SPACE			20/1	28
29					SPACE			20/1	30

LOAD SUMMARY	A	B
CONNECTED LOAD (VA) :	5855	5335
25% LCL/LML (VA) :	248	116
TOTAL LOAD (VA) :	6103	5451
TOTAL LOAD (AMPS) :	25.4	22.7

TOTAL CALCULATED LOAD FOR PANEL: 11554 VA

(E) PANEL "P1"

120/240V, 3 PH, 4 W
225 A. BUSSING 125 A. MAIN BKR.
18 CIRCUIT
14K BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
FLUSH MOUNTING

CKT	BKR	LOAD: V.A. A	LOAD: V.A. B	LOAD: V.A. C	DESCRIPTION	DESCRIPTION	LOAD: V.A. C	LOAD: V.A. B	LOAD: V.A. A	BKR	CKT
1	30/3	1940			EXISTING A/C RM 62	EXISTING A/C RM 61			1940	30/3	2
3			1940					1940			4
5				1940			1940				6
7	20/3	500			EXISTING LOAD	EXISTING LOAD			1940	20/3	8
9			500					1940			10
11				500			1940				12
13	20/3				SPARE	SPACE					14
15						SPACE					16
17						SPACE					18

LOAD SUMMARY	A	B	C
CONNECTED LOAD (VA) :	6320	6320	6320
25% LCL/LML (VA) :	0	0	0
TOTAL LOAD (VA) :	6320	6320	6320
TOTAL LOAD (AMPS) :	26.3	26.3	26.3

TOTAL CALCULATED LOAD FOR PANEL: 18960 VA

TYPICAL PANEL SCHEDULE NOTES:

(1) DISCONNECT EXISTING LOAD FROM EXISTING CIRCUIT BREAKER AND RE-LABEL AS SPARE.

(2) DISCONNECT EXISTING LOAD FROM EXISTING CIRCUIT BREAKER. USE EXISTING CIRCUIT BREAKER TO CONNECT NEW LOAD AS SHOWN.

(3) PROVIDE A LOCK-ON DEVICE AT THIS CIRCUIT BREAKER, 'RED IN COLOR', SPACEAGE #ELOCK-FA OR EQUAL. PROVIDE AN ENGRAVED NAMEPLATE: 'FIRE ALARM CIRCUIT', WHITE LETTERS ON A RED BACKGROUND. MOUNT NAMEPLATE ONTO INTERIOR TRIM AND ADJACENT TO CIRCUIT BREAKER.

(4) USE EXISTING CIRCUIT BREAKER TO CONNECT NEW LOAD AS SHOWN.

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0539 Office
(559) 627.1926 Fax

TITLE
PANEL SCHEDULES

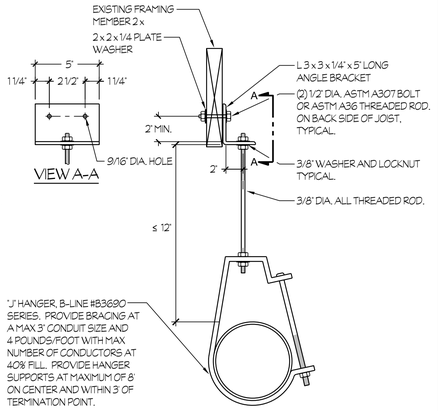
E9.2

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
KEVIN KIRK MCGUIRE
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

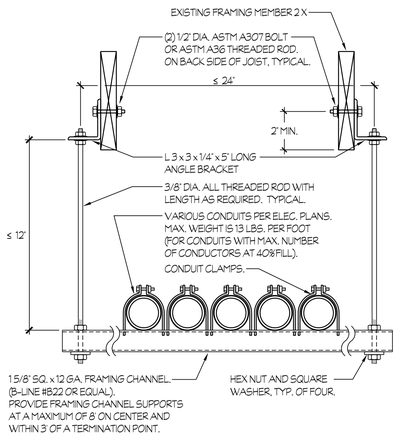
Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

Z:\Drafting\Jobs\RSE\SD4043\Hanford\Monroe (SD4043 - Monroe Elem Modernization\E9.2.dwg DATE SAVED: 09/08/25, By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE

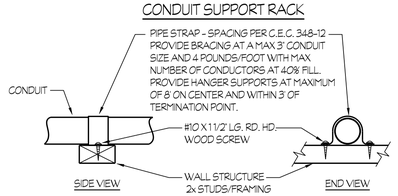


VIEW A-A

SINGLE CONDUIT BRACING



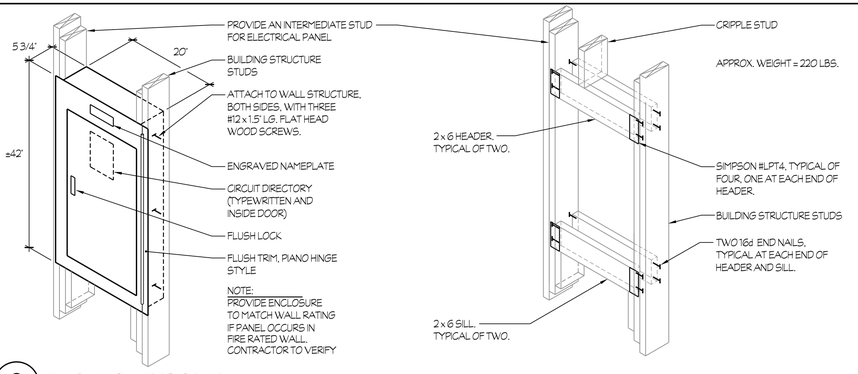
CONDUIT SUPPORT RACK



CONDUIT BRACING AT WALL STRUCTURE

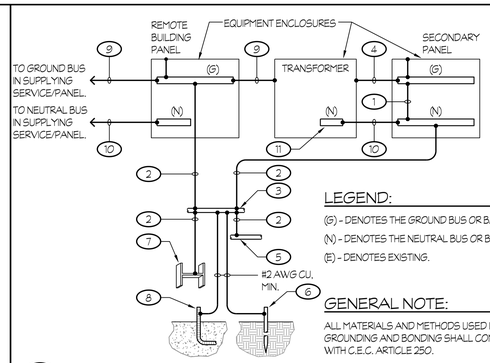
1 CONDUIT SUPPORT DETAILS

NTS



2 FLUSH MOUNTED PANEL

NTS



LEGEND:

(G) - DENOTES THE GROUND BUS OR BAR.

(N) - DENOTES THE NEUTRAL BUS OR BAR.

(E) - DENOTES EXISTING.

GENERAL NOTE:

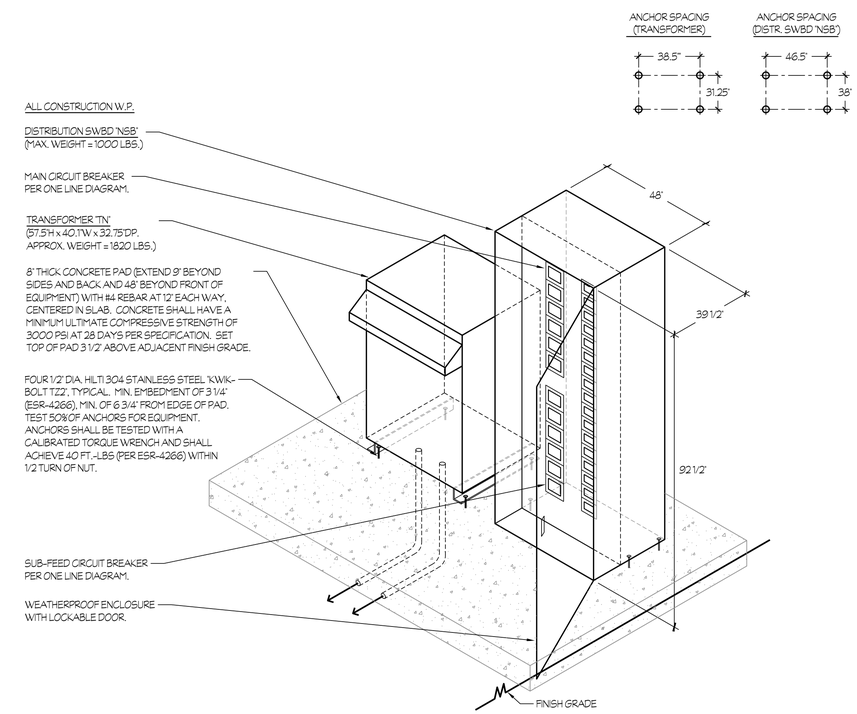
ALL MATERIALS AND METHODS USED IN GROUNDING AND BONDING SHALL COMPLY WITH C.E.C. ARTICLE 250.

NOTES (THIS DETAIL ONLY):

1. SYSTEM BONDING JUMPER PER C.E.C. 250.30 (A), (1). SIZED PER C.E.C., TABLE 250.102 (C), (1).
2. FULL SIZE GROUNDING ELECTRODE CONDUCTOR PER C.E.C., TABLE 250.66
3. METAL WATER PIPING PER C.E.C. 250.104 (A).
4. SUPPLY-SIDE BONDING JUMPER PER C.E.C. 250.30 (A), (2). SIZED PER C.E.C., TABLE 250.102 (C), (1).
5. OTHER METAL PIPING SYSTEMS PER C.E.C. 250.104 (B).
6. 5/8" DIA. x 10'-0" LONG COPPER-CLAD ROD ELECTRODE PER C.E.C. 250.52 (A), (5). REFER TO DETAIL #7/E10.1.
7. STRUCTURAL METAL PER C.E.C. 250.104 (C)
8. CONCRETE-ENCASED ELECTRODE PER C.E.C. 250.52 (A), (3).
9. EQUIPMENT GROUNDING CONDUCTOR, SIZED PER C.E.C., TABLE 250.122.
10. NEUTRAL CONDUCTOR PER FEEDER SCHEDULE.
11. NEUTRAL BAR.

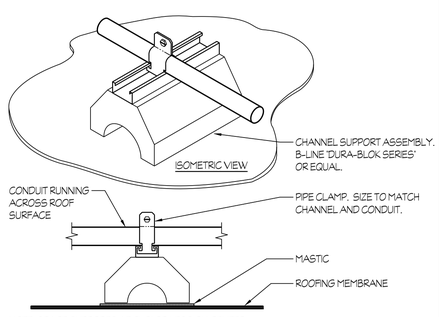
6 REMOTE BUILDING PANEL, XFMR AND SECONDARY PANEL - GROUNDING AND BONDING

NTS



3 NEW DISTRIBUTION SWITCHBOARD "NSB" AND NEW XFMR "TN" MOUNTING

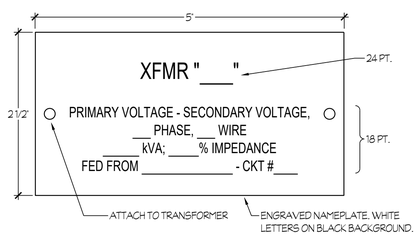
NTS



NOTE: SPACE SUPPORTS AT 6'-0" OR LESS ON CENTER

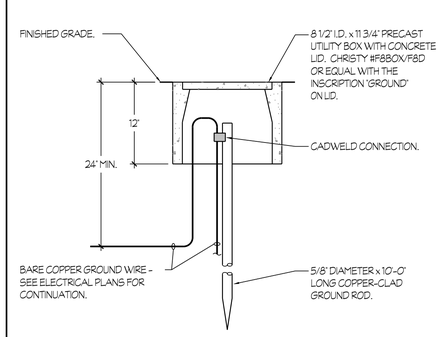
4 CONDUIT SUPPORT ON ROOF

NTS



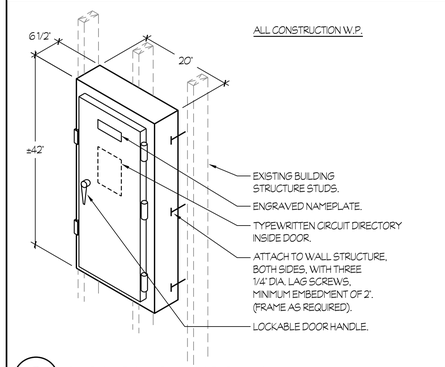
5 XFMR IDENTIFICATION

NTS



7 GROUND WELL DETAIL

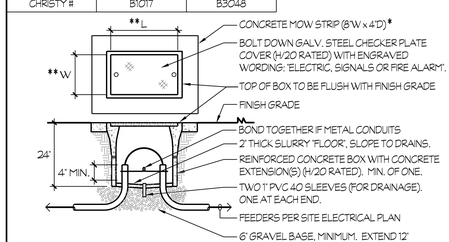
NTS



8 SURFACE MOUNTED PANEL

NTS

PULL BOX	P1	P2
W	10 5/8"	30 1/4"
L	17 1/4"	48 1/4"
CHRISTY #	B1017	B3048

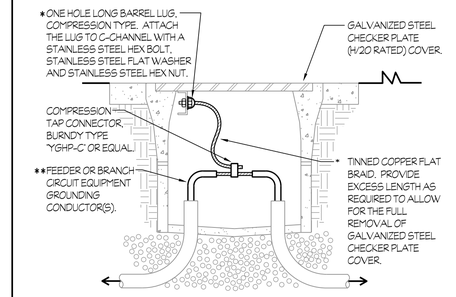


*NOTE: WHERE PULL BOX IS ADJACENT TO CONCRETE WALK, EXTEND MOWSTRIP TO CONNECT WITH WALK. FOAM SEAL ALL CONDUITS IN YARD BOXES.

**NOTE: INTERIOR DIMENSIONS MEASURED AT 'OPENING' OF PULL BOX.

9 PULL BOX MOUNTING

NTS



*THIS TYPICAL WORK SHALL BE PROVIDED FOR EACH SECTION OF A MULTIPLE SECTION COVER.

**THIS TYPICAL WORK SHALL BE DONE FOR EACH OF THE LARGEST FEEDER (OR BRANCH CIRCUIT) EQUIPMENT GROUNDING CONDUCTOR, PASSING THRU THE RESPECTIVE PULL BOX, WHICH ORIGINATE FROM SEPARATE SOURCES/VOLTAGES.

MATRIX FOR TINNED COPPER FLAT BRAID		
SIZE OF EQUIPMENT GROUNDING CONDUCTOR (@)	ALPHA WIRE PART #	OLYMPIC WIRE AND CABLE PART #
#8	1233	708
#6	1235	710
#4	1239	710
#2 THRU #1/0	1240	713
#2/0 THRU #4/0	1241	714

(@) CONTAINED IN THE LARGEST FEEDER (OR BRANCH CIRCUIT) PASSING THRU THE RESPECTIVE PULL BOX.

10 GROUNDING AND BONDING OF STEEL CHECKER PLATE COVERS

NTS

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

PROFESSIONAL ENGINEER — KIRA [illegible] — No. E-18786 Exp. 6/30/27 — ELECTRICAL — STATE OF CALIFORNIA

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT — JAMES R. MORRELL — No. C-26128 — REN. 05-31-27 — STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE + INGENUITY
MANGINI ASSOCIATES INC.
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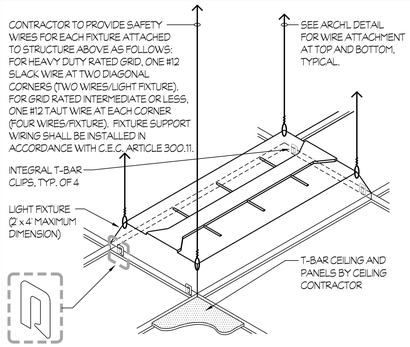
Visalia, California 93291
www.mangini.us
(559) 627.2630 Office
(559) 627.1926 Fax

TITLE: DETAILS

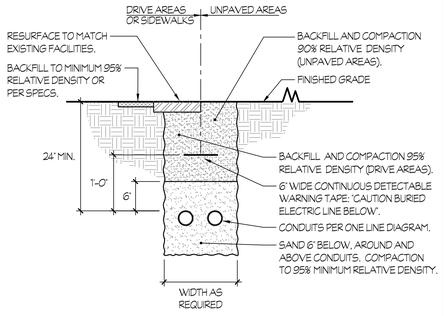
E10.1

PROJECT: 24043

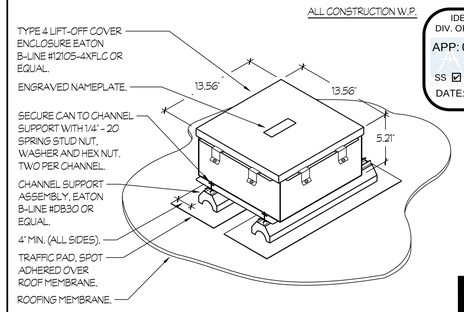
Z:\Drafting\Jobs\PDF\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E10.1.dwg DATE: 9AM23 09/16/25 By: Nicole DATE PLOTTED: 10/24/25 JOB # 24-092-SE



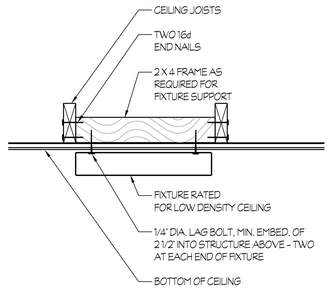
1 RECESSED FIXTURE MOUNTING
(MAX. WEIGHT = 25 LBS.) NTS



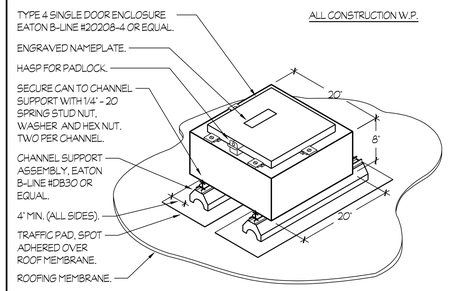
5 TRENCH DETAIL
NTS



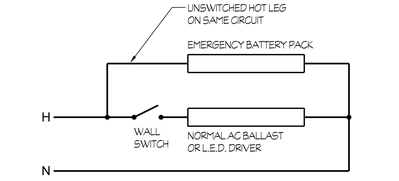
9 PULL CAN ON ROOF
MAX. WEIGHT = 6.5 LBS. NTS



2 SURFACE FIXTURE MOUNTING
(MAX. WEIGHT = 15 LBS.) NTS

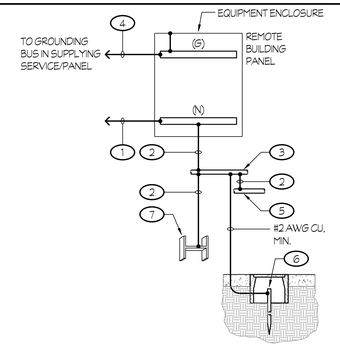


6 PULL CAN ON ROOF
MAX. WEIGHT = 28.1 LBS. NTS



CONNECT LIGHT FIXTURE SO THAT THE L.E.D. DRIVER (OR ALL OF THE LAMPS) ARE CONTROLLED BY THE WALL SWITCH AND THE L.E.D. DRIVER (OR LAMPS) CONNECTED TO THE EMERGENCY BATTERY PACK WILL OPERATE DURING NORMAL POWER OUTAGE REGARDLESS OF THE POSITION OF THE WALL SWITCH.

3 EMERGENCY BATTERY PACK WIRING DIAGRAM
NTS



NOTES (THIS DETAIL ONLY):

1. NEUTRAL CONDUCTOR PER FEEDER SCHEDULE.
2. FULL SIZE GROUNDING ELECTRODE CONDUCTOR PER C.E.C., TABLE 250.66.
3. METAL WATER PIPING PER C.E.C. 250.104.
4. EQUIPMENT GROUND CONDUCTOR PER FEEDER SCHEDULE.
5. OTHER ABOVEGROUND METALLIC PIPING SYSTEMS PER C.E.C. 250.104.
6. 5/8" DIA. ROD ELECTRODE PER C.E.C. 250.52 (A), (5) AND GROUND ROD BOX PER DETAIL #__/___.
7. BUILDING STRUCTURAL STEEL PER C.E.C. 250.104.

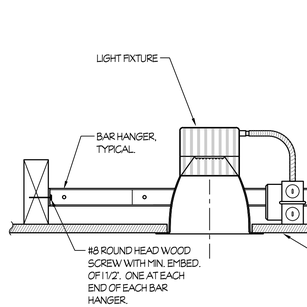
LEGEND:

(G) DENOTES THE GROUND BUS OR BAR
(N) DENOTES THE NEUTRAL BUS OR BAR

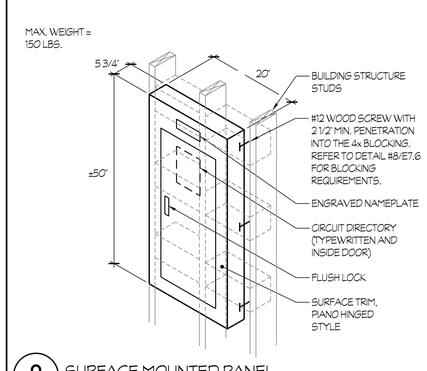
GENERAL NOTE:

ALL MATERIALS AND METHODS USED IN GROUNDING AND BONDING SHALL COMPLY WITH C.E.C. ARTICLE 250.

7 REMOTE BUILDING PANEL - GROUNDING AND BONDING
NTS



4 RECESSED DOWNLIGHT MOUNTING
(MAX. WEIGHT = 9 LBS.) NTS



8 SURFACE MOUNTED PANEL
NTS

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

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TITLE DETAILS

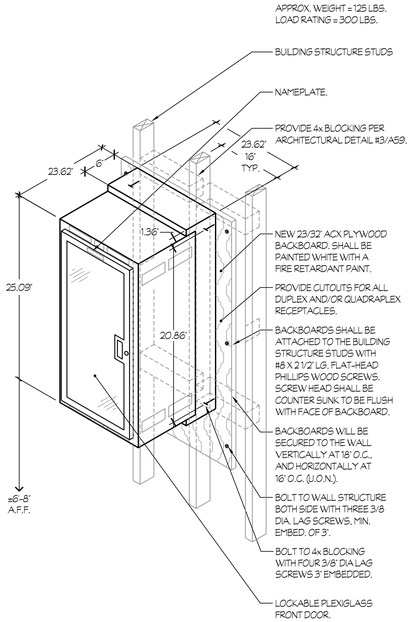
E10.2

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

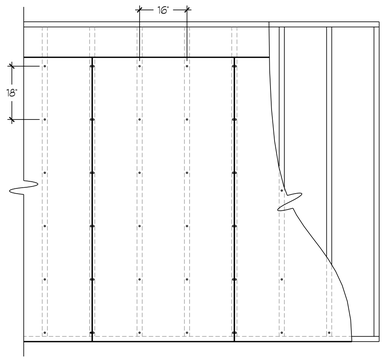
REGISTERED PROFESSIONAL ENGINEER
STEVEN K. TIRK
No. E-16786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\E10.2.dwg DATE SAVED: 10/21/25 BY: Nicole DATE PLOTTED: 10/24/25 JOB #: 24-092-SE



1 INTERMEDIATE DISTR. FRAME "I.D.F. #1 MOUNTING

NTS

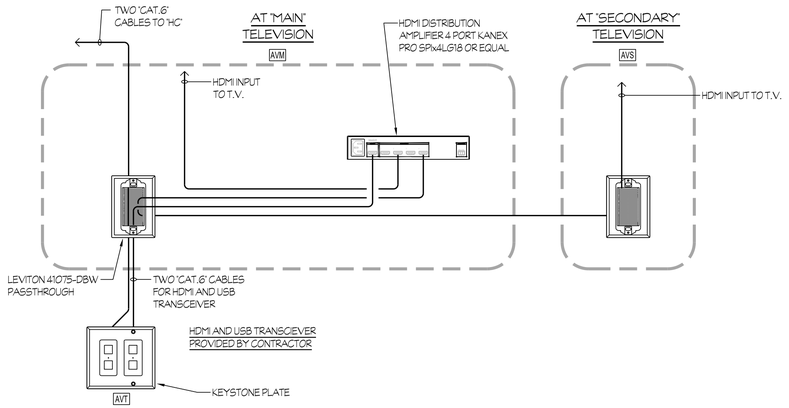


NOTES (THIS DETAIL ONLY):

1. BACKBOARDS SHALL BE 23/32" ACX PLYWOOD AND PAINTED WHITE WITH A FIRE RETARDANT PAINT.
2. BACKBOARDS SHALL BE ATTACHED TO THE BUILDING STRUCTURE STUDS WITH #8 x 2 1/2" LG. FLAT-HEAD PHILLIPS WOOD SCREWS. SCREW HEAD SHALL BE COUNTER SUNK TO BE FLUSH WITH THE FACE OF BACKBOARD.
3. BACKBOARDS WILL BE SECURED TO THE WALL VERTICALLY AT 18" O.C., AND HORIZONTALLY AT 16" O.C. (U.O.N.).
4. PROVIDE CUTOUTS FOR ALL DUPLEX AND/OR QUADRUPLEX RECEPTACLES.

4 PLYWOOD BACKBOARD MOUNTING DETAIL

NTS



7 AV DIAGRAM

NTS

SIGNALS / TELECOMMUNICATIONS APPLICABLE CODES AND STANDARDS

CODES:

2022 CALIFORNIA BUILDING CODE (C.B.C.)

STANDARDS AND GUIDES:

NFPA 72 - NATIONAL FIRE ALARM CODE, 2016 EDITION (CALIFORNIA AMENDED)

ANSI/BICSI - TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL (TDMM), 13TH EDITION OR NEWER.

ANSI/BICSI 001-2017 - INFORMATION AND COMMUNICATION TECHNOLOGY SYSTEMS DESIGN AND IMPLEMENTATIONS BEST PRACTICES FOR EDUCATIONAL INSTITUTIONS AND FACILITIES.

ANSI/BICSI 005-2016 - ELECTRONIC SAFETY AND SECURITY (ESS) SYSTEM DESIGN AND IMPLEMENTATIONS BEST PRACTICES.

SIGNALS SYMBOLS

ALL DIMENSIONS TO TOP OF BOX, U.O.N.

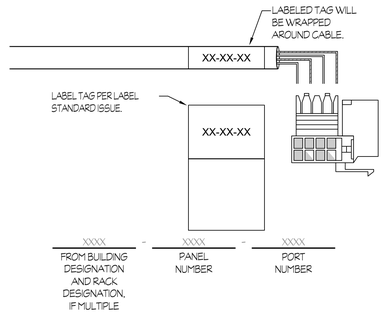
	U.O.N.	UNLESS OTHERWISE NOTED
		TERMINAL CABINET (SIZE AS SHOWN)
		SMOKE/FIRE CABLE SLEEVE THRU WALL.
		CONDUIT STUB - CAPPED AND LABELED.
		CONDUIT SLEEVE
(A)		DATA OUTLET IN WALL (+18" U.O.N.) (MIN 2 'CAT6' CABLES)
(C)	TS	INTERCOM CLOCK/SPEAKER COMBO (+84" U.O.N.) (ONE 'CAT6' CABLE)
	H	INTERCOM HORN, FLUSH MOUNTED IN WALL (+96" U.O.N.) (WEATHERPROOF)
	HC	HC LOCATION
	AVT	LOCAL HDMI TEACHER INPUT, MOUNTED IN WALL (+18" U.O.N.)
	AVM	LOCAL HDMI MAIN OUTPUT , MOUNTED BEHIND MAIN TV.

SIGNALS SYMBOLS NOTES:

(A) ELECTRICAL CONTRACTOR SHALL PROVIDE A 5" SQUARE x 2 7/8" DEEP OUTLET BOX WITH SINGLE GANG RAISED RING, DEPTH AS REQUIRED. UNLESS OTHERWISE NOTED, RUN 1-1/4"C FROM OUTLET BOX AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING. PROVIDE AN INSULATING BUSHING, BRIDGEPORT #TWB-54 OR EQUAL, AT STUB.

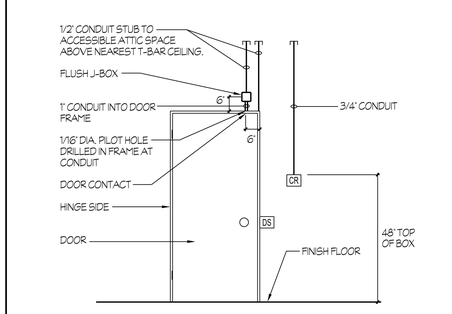
(B) ELECTRICAL CONTRACTOR SHALL PROVIDE SPECIAL BACK BOX PER MFG. ELECTRICAL

(C) CONTRACTOR SHALL PROVIDE A 4-11/16" SQUARE x 2 1/8" DEEP OUTLET BOX WITH SINGLE GANG RAISED RING, DEPTH AS REQUIRED. UNLESS OTHERWISE NOTED, RUN 3/4"C FROM OUTLET BOX AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING. PROVIDE AN INSULATING BUSHING, BRIDGEPORT #TWB-52 OR EQUAL, AT STUB.



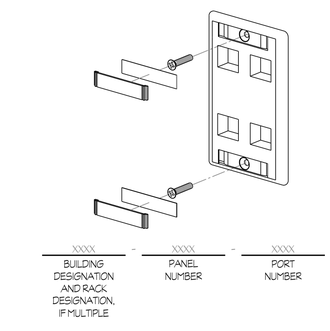
2 CABLE LINK IDENTIFIER LABELING FORMAT

NTS



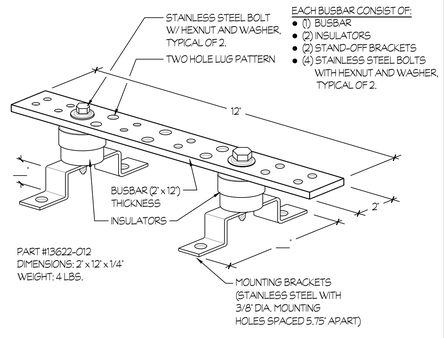
5 INTRUSION ALARM / ACCESS CONTROL DOOR ROUGH IN

NTS



3 DATA OUTLET IDENTIFICATION MATRIX

NTS



6 GROUNDING AND BONDING

NTS

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT JAMES R. MORRELL No. C-26128 REN. 05-31-27 STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE | INGENUITY
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0630 Office
(559) 627-1926 Fax

TITLE
SIGNALS DETAILS

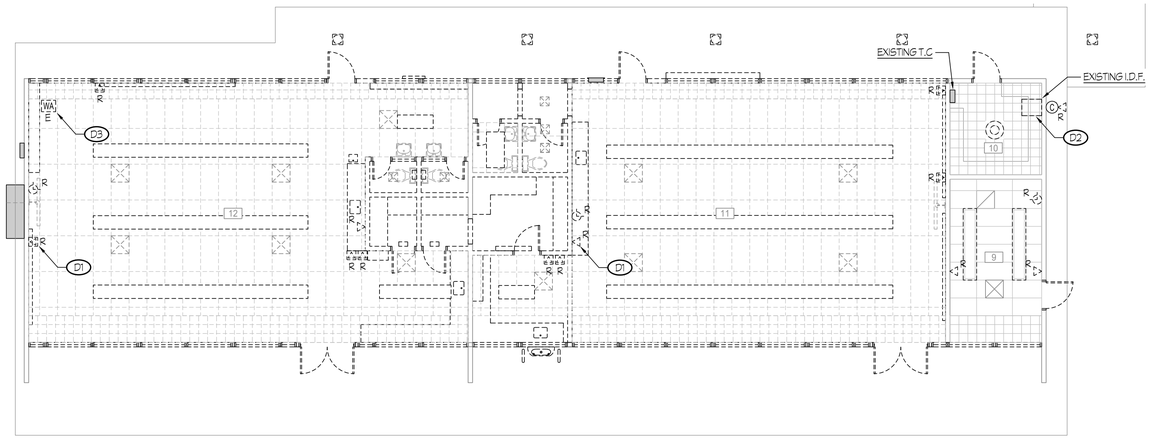
TG1.1

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER KIRK T. RK No. E-18786 Exp. 6/30/27 ELECTRICAL STATE OF CALIFORNIA

Z:\Drafting\Jobs\RSES\24043.S\Hanford\Monroe ES\24043 - Monroe Elem Modernization\101-1.dwg [DATE SAVED: 10/24/25 By: Nicole] DATE PLOTTED: 10/24/25 JOB #: 24-092-SE



BUILDING A

DEMOLITION SIGNALS PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

D1 .TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALL TO BE REMOVED, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.: DISCONNECT AND REMOVE EXISTING SIGNALS DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CABLE. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

D2 EXISTING IDF CABINET TO BE REPLACED IN SAME LOCATION. REMOVE UNUSED EXISTING COMPONENTS AND RETURN TO OWNER AS REQUIRED. PROTECT EXISTING FIBER DURING HC/IDF EXCHANGE.

D3 EXISTING WIRELESS ACCESS POINTS TO BE REMOVED AND AND RE-INSTALLED BY CONTRACTOR. EXISTING WIRE TO BE USED, DO NOT DEMO. STORE WIRELESS ACCESS POINTS IN A SAFE PLACE.

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4. INTERCOM HORN. PROVIDE ONE 1"C CABLE IN SPECIAL BACK BOX(IED IP-SEST-HVP), ONE 3/4"C TO ACCESSIBLE SPACE.
5. INTERCOM/CLOCK. PROVIDE ONE 'CAT.6' CABLE TO OUTLET BOX, SHALL BE 5S TYPE 2 7/8" DEEP, 1G TRIM RING, ONE 1 1/4"C TO ACCESSIBLE SPACE.
6. NOT USED
7. INTRUSION DEVICE. PROVIDE ONE 'N' CABLE SINGLE GANG BOX AND RING, ONE 3/4"C TO ACCESSIBLE SPACE.
8. COORDINATE OUTLET WITH MILLWORK, ARCHITECT AND ELECTRICAL. PRIOR TO ROUGH-IN.
9. TV/AV COMBO INPUT, PROVIDE AV CABLES TO LOCAL AV OUTLET PER DISTRICT STANDARD. PROVIDE TWO 'CAT.6' CABLES AND JACKS IN FOUR PORT SINGLE GANG PLATE. OUTLET BOX SHALL BE 5⌀ TYPE 2 7/8" DP., 2G TRIM RING, ONE 1 1/4"C AND ONE 1"C TO ACCESSIBLE SPACE.
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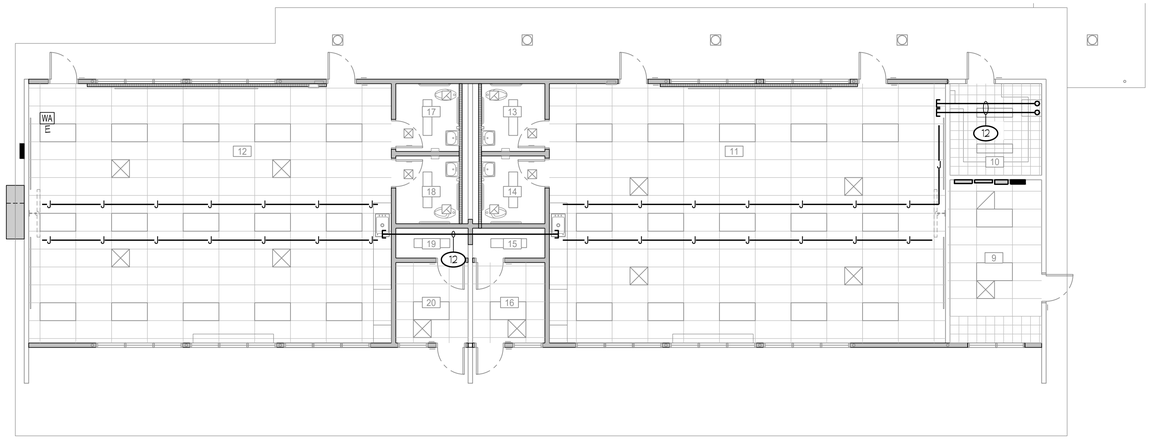
11. PROVIDE 1" CONDUIT FROM DOOR FRAME TO ACCESSIBLE CEILING SPACE, FOR FUTURE ACCESS CONTROL CONNECTIONS.
12. TWO 2" SLEEVES IN ATTIC SPACE ABOVE HARD LID FOR CABLES.



BUILDING A

SIGNALS CEILING PLAN

SCALE: 1/8" = 1'-0"

north

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.
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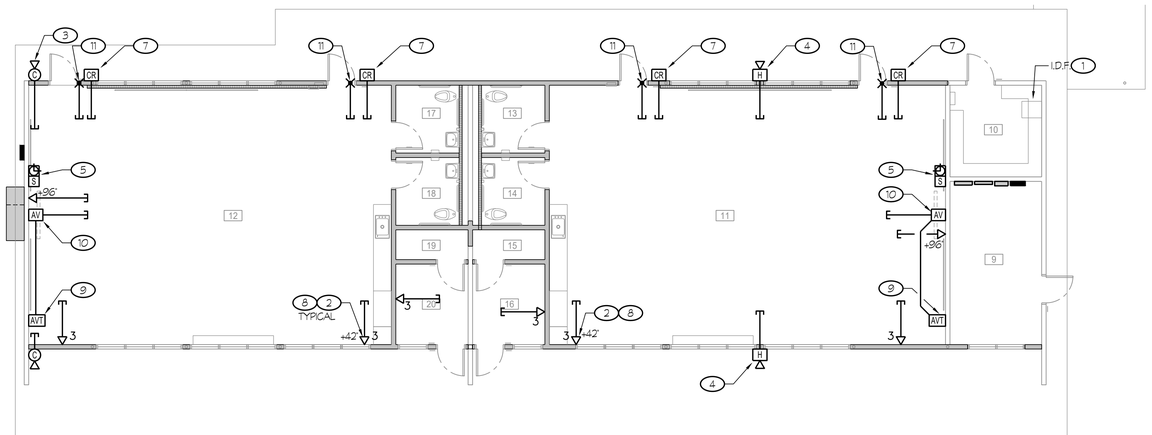


BUILDING A

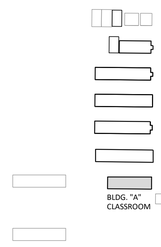
SIGNALS PLAN

SCALE: 1/8" = 1'-0"

north

ROOM LEGEND

#	ROOM NAME	CEILING HEIGHT
9	PSYCH	(E) VARIES
10	STORAGE	(E) 10'-0"
11	CLASSROOM	9'-6"
12	CLASSROOM	9'-6"
13	TOILET	10'-0"
14	TOILET	10'-0"
15	STORAGE	10'-0"
16	OFFICE	10'-0"
17	TOILET	10'-0"
18	TOILET	10'-0"
19	STORAGE	10'-0"
20	OFFICE	10'-0"



BUILDING SITE KEY

north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
JAMES K. KIRK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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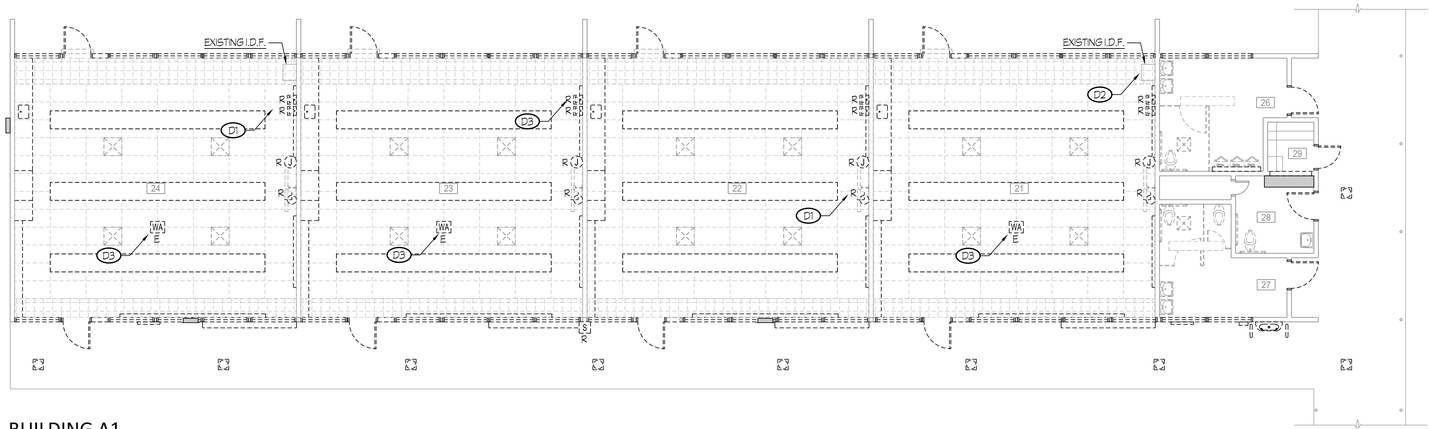
TITLE
BUILDING A
SIGNALS PLANS

T1.1

PROJECT 24043

Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\T1.1.dwg DATE: 9/4/25 09/18/25 By: LorcaSmith DATE PLOTTED: 10/24/25 JOB # 24-002-SE



BUILDING A1

DEMOLITION SIGNALS PLAN

SCALE: 1/8" = 1'-0"

north

DEMOLITION NOTES (THIS SHEET ONLY):

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5. INTERCOM/CLOCK. PROVIDE ONE 'CAT.6' CABLE TO OUTLET BOX, SHALL BE 5S TYPE 2 7/8" DEEP, 1G TRIM RING, ONE 1 1/4"C TO ACCESSIBLE SPACE.
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7. INTRUSION DEVICE. PROVIDE ONE 'N' CABLE SINGLE GANG BOX AND RING, ONE 3/4"C TO ACCESSIBLE SPACE.
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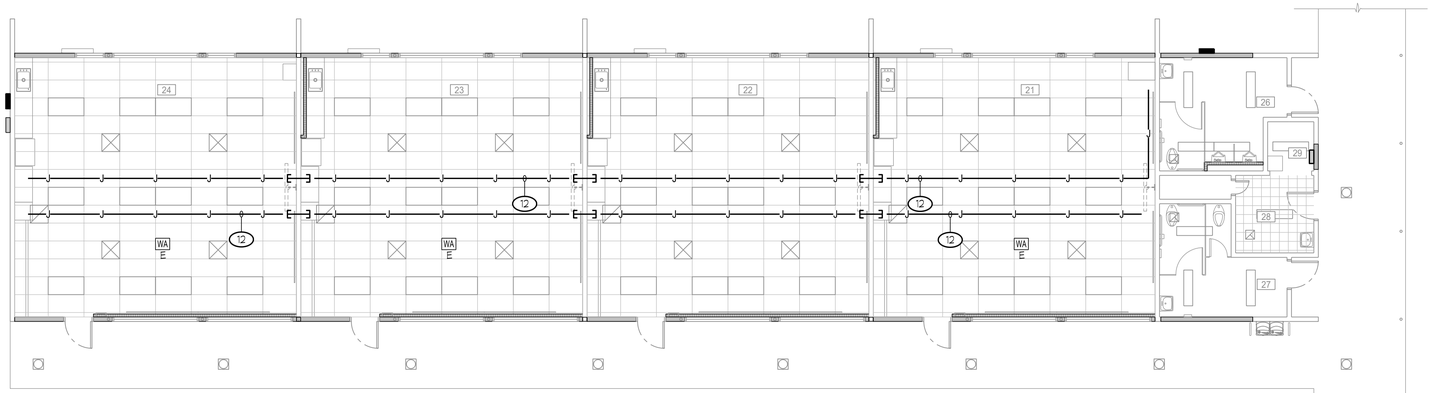

BUILDING A1

SIGNALS CEILING PLAN

SCALE: 1/8" = 1'-0"

north

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.
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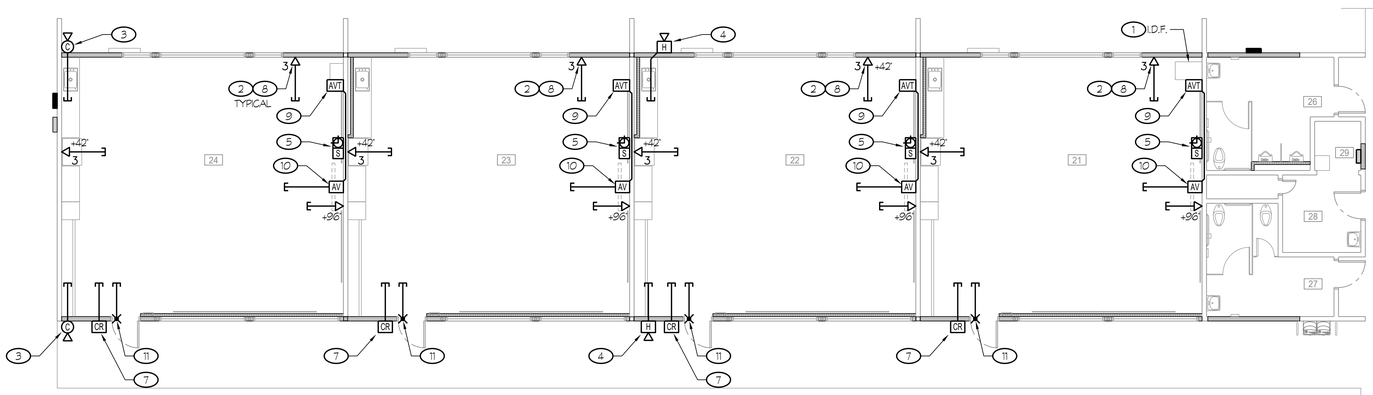
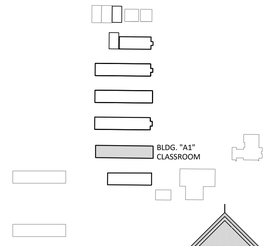


ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
21	CLASSROOM	9'-6"
22	CLASSROOM	9'-6"
23	CLASSROOM	9'-6"
24	CLASSROOM	9'-6"
26	BOYS	(E) VARIES
27	GIRLS	(E) VARIES
28	JANITOR	(E) 8'-6"



BUILDING SITE KEY

north

BUILDING A1

SIGNALS PLAN

SCALE: 1/8" = 1'-0"

north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
KAREN K. TAK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
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DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORELLI
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT
MONROE ELEMENTARY SCHOOL
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REVISIONS

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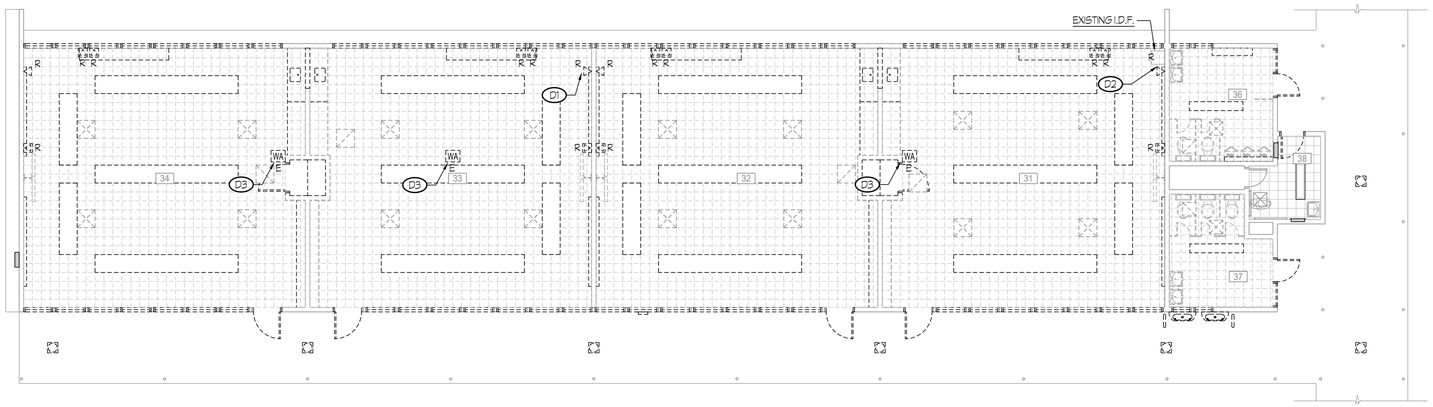
TITLE
BUILDING A1
SIGNALS PLANS

T2.1

PROJECT **24043**

Z:\Drafting\Jobs\KSD\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\T2.1.dwg DATE: 9/4/25 09/18/25 By: LanceSmith DATE PLOTTED: 10/24/25 JOB # 24-002-SE

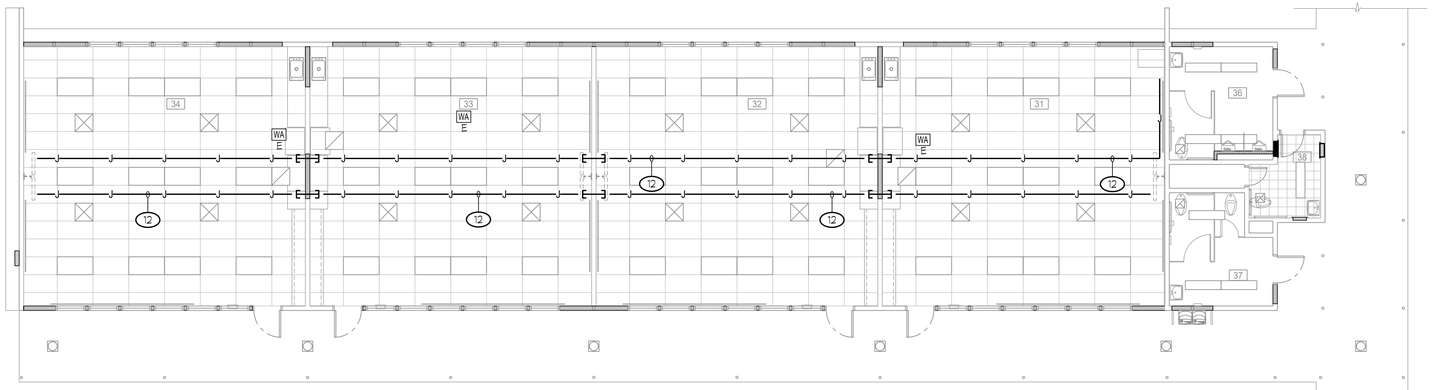


BUILDING B

DEMOLITION SIGNALS PLAN

SCALE: 1/8" = 1'-0"

north

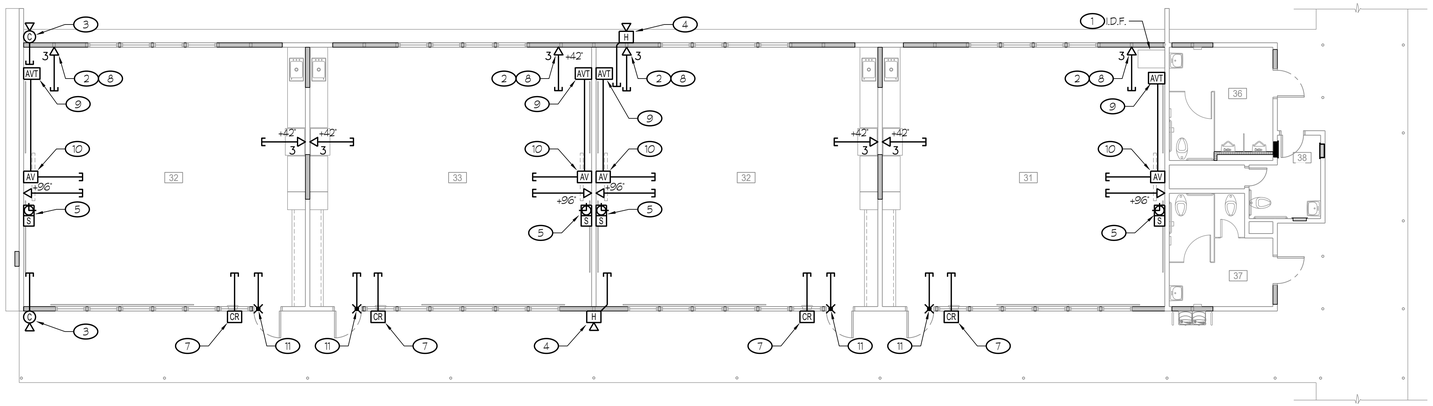


BUILDING B

SIGNALS CEILING PLAN

SCALE: 1/8" = 1'-0"

north



BUILDING B

SIGNALS PLAN

SCALE: 1/8" = 1'-0"

north

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#	ROOM NAME	CEILING HEIGHT
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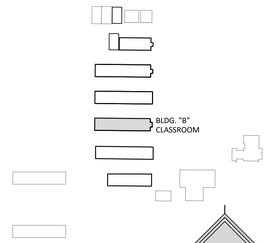
32	CLASSROOM	9'-6"
33	CLASSROOM	9'-6"
34	CLASSROOM	9'-6"
36	BOYS	(E) VARIES
37	GIRLS	(E) VARIES
38	WOMEN	(E) 7'-9"



BUILDING SITE KEY

north

APPROVALS

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TITLE
BUILDING B
SIGNALS PLANS

T3.1

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
ROBERT K. KIRK EASTHAM
No. E-18786
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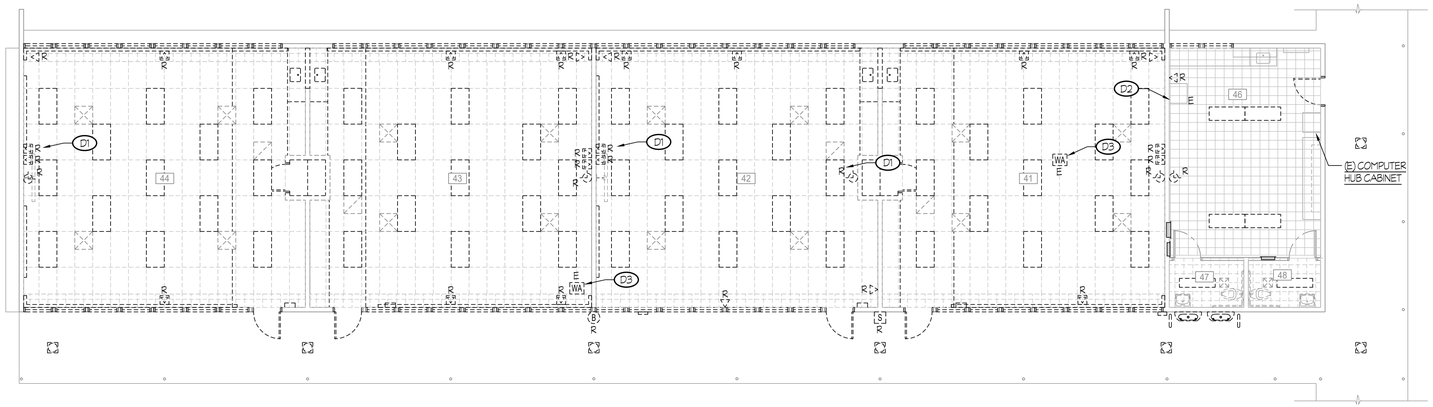
Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\13 Lilley DATE: 5MED 09/18/25 BY: Lance.Smith DATE PLOTTED: 10/24/25 JOB # 24-092-SE

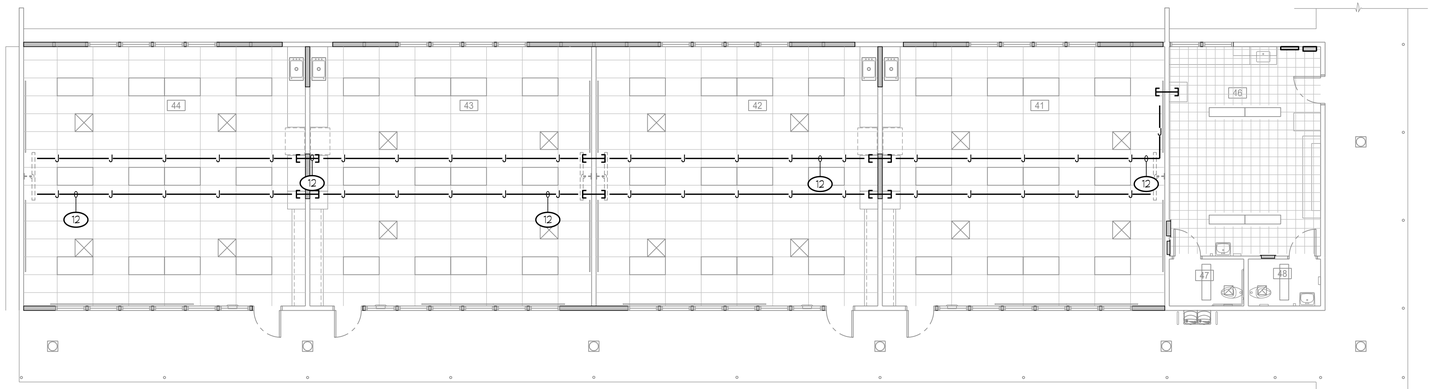


BUILDING C

DEMOLITION SIGNALS PLAN

SCALE: 1/8" = 1'-0"

north



BUILDING C

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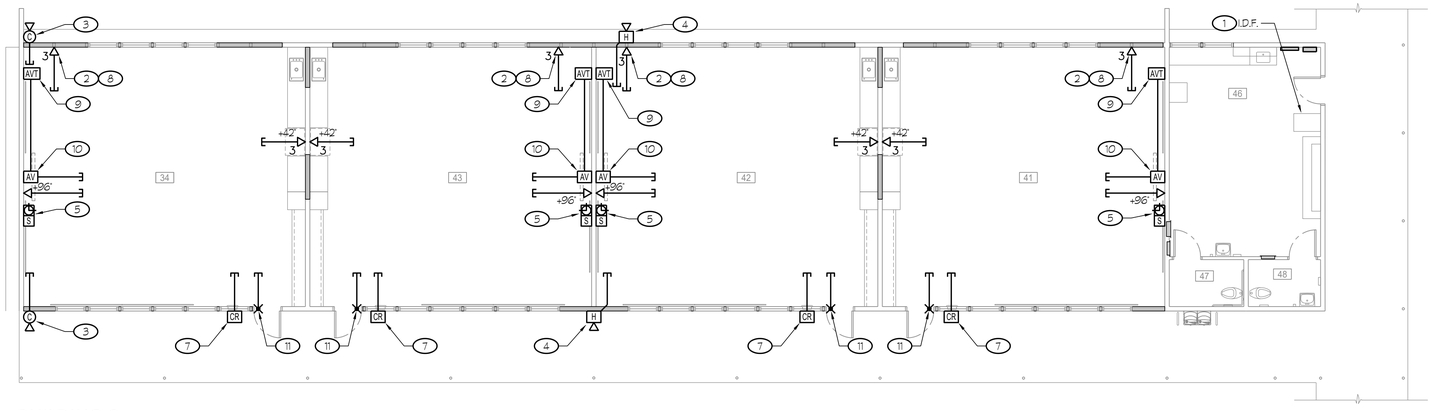

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north

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D1 TYPICAL OF EXISTING WIRING DEVICES LOCATED ON EXISTING WALL TO BE REMOVED, KEYNOTED WITH SUBSCRIPT 'R', U.O.N.: DISCONNECT AND REMOVE EXISTING SIGNALS DEVICE AND OUTLET BOX. PULL-OUT EXISTING 'IDLE' CABLE. REMOVE THE EXISTING 'IDLE' CONDUIT OR SURFACE RACEWAY AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.

D2 EXISTING IDF CABINET TO BE REPLACED IN SAME LOCATION. REMOVE UNUSED EXISTING COMPONENTS AND RETURN TO OWNER AS REQUIRED. PROTECT EXISTING FIBER DURING HC/IDF EXCHANGE.

D3 EXISTING WIRELESS ACCESS POINTS TO BE REMOVED AND AND RE-INSTALLED BY CONTRACTOR. EXISTING WIRE TO BE USED, DO NOT DEMO. STORE WIRELESS ACCESS POINTS IN A SAFE PLACE.

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3. CAMERA OUTLET. PROVIDE TWO 'CAT.6' CABLES AND JACKS IN TWO PORT SURFACE BOX. OUTLET BOX SHALL BE 4 11/16 SQR TYPE 2 1/8" DEEP, 3/0 FIXTURE TRIM RING, ONE 1"C TO ACCESSIBLE SPACE. PROVIDE BLANK COVER. REFER TO DETAIL #2/TG1.1.
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6. NOT USED
7. INTRUSION DEVICE. PROVIDE ONE '1' CABLE SINGLE GANG BOX AND RING, ONE 3/4"C TO ACCESSIBLE SPACE.
8. COORDINATE OUTLET WITH MILLWORK, ARCHITECT AND ELECTRICAL. PRIOR TO ROUGH-IN.
9. TV/AV COMBO INPUT, PROVIDE AV CABLES TO LOCAL AV OUTLET PER DISTRICT STANDARD. PROVIDE TWO 'CAT.6' CABLES AND JACKS IN FOUR PORT SINGLE GANG PLATE. OUTLET BOX SHALL BE 5s TYPE 2 7/8" DP., 2G TRIM RING, ONE 1 1/4"C AND ONE 1"C TO ACCESSIBLE SPACE.
10. TV/AV COMBO OUTLET AT ±96" A.F.F.. COORDINATE EXACT LOCATION WITH MOUNTING BRACKET PRIOR TO ROUGH-IN. PROVIDE TWO 'CAT.6' CABLES AND JACKS IN FOUR PORT SINGLE GANG PLATE. OUTLET BOX SHALL BE 5s TYPE 2 7/8" DP., 2G TRIM RING, ONE 1 1/4"C AND ONE 1"C TO ACCESSIBLE SPACE.
11. PROVIDE 1" CONDUIT FROM DOOR FRAME TO ACCESSIBLE CEILING SPACE, FOR FUTURE ACCESS CONTROL CONNECTIONS.
12. PROVIDE J-HOOKS AND 2" SLEEVES IN ATTIC FOR CABLES WHERE NEEDED AND REQUIRED BY AHJ.

GENERAL NOTE:

1. REFER TO DETAIL #1/E10.1 FOR CONDUIT SUPPORT DETAILS.
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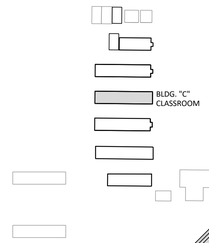
ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
41	CLASSROOM	9'-6"
42	CLASSROOM	9'-6"
43	CLASSROOM	9'-6"
44	CLASSROOM	9'-6"
46	WORKROOM	(E) 10'-0"
47	MEN	8'-0"
48	WOMEN	8'-0"



BUILDING SITE KEY

north

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

LICENSED ARCHITECT
JAMES R. MORRELL
No. C-26128
REN. 05-31-27
STATE OF CALIFORNIA

DATE: APRIL 16, 2025

MODERNIZATION AT MONROE ELEMENTARY SCHOOL

HANFORD ELEMENTARY SCHOOL DISTRICT
HANFORD, KINGS COUNTY, CA

REVISIONS

MANGINI ARCHITECTURE INGENUITY
MANGINI ASSOCIATES INC.
4330 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
BUILDING C
SIGNALS PLANS

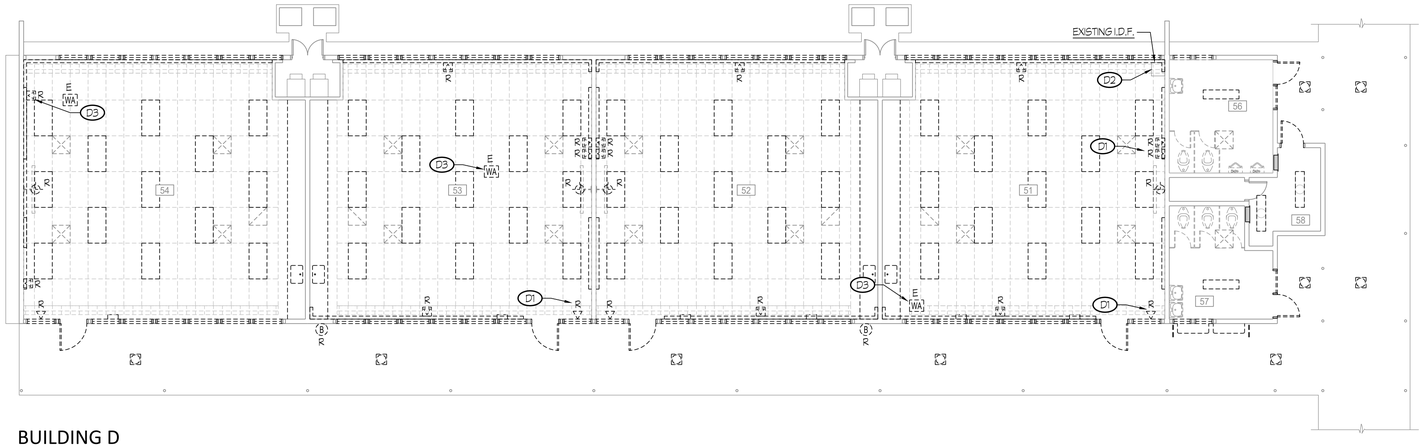
T4.1

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
ROBERT K. KIRK SING
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

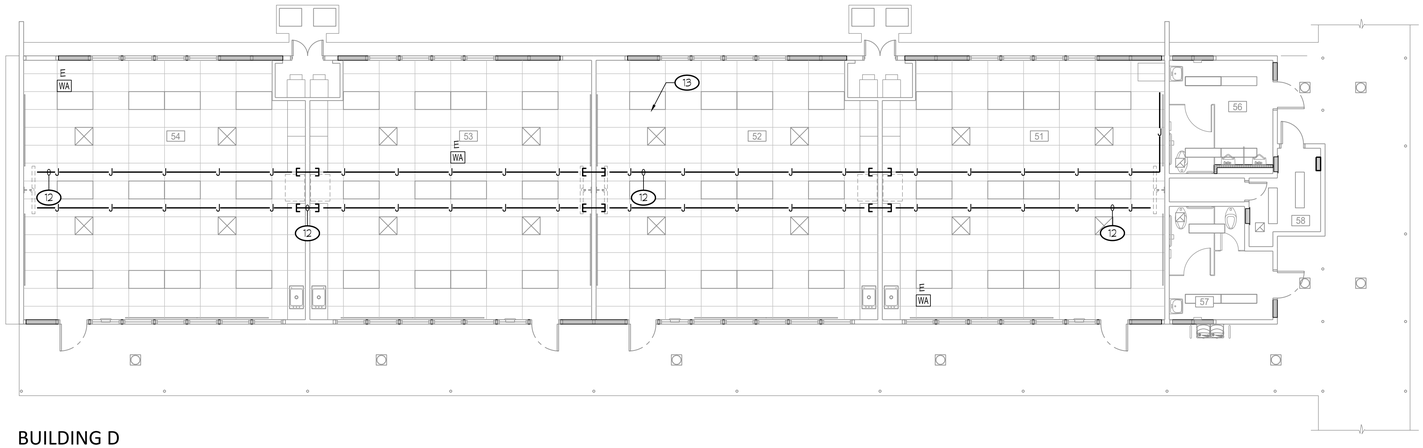
Z:\Drafting\Jobs\RSES\24003\Hanford\Monroe ES\24043 - Monroe Elem Modernization\14 Lilley DATE SAVED: 09/18/25 By: Lance.Smith DATE PLOTTED: 10/24/25 JOB # 24-092-SE



BUILDING D

DEMOLITION SIGNALS PLAN

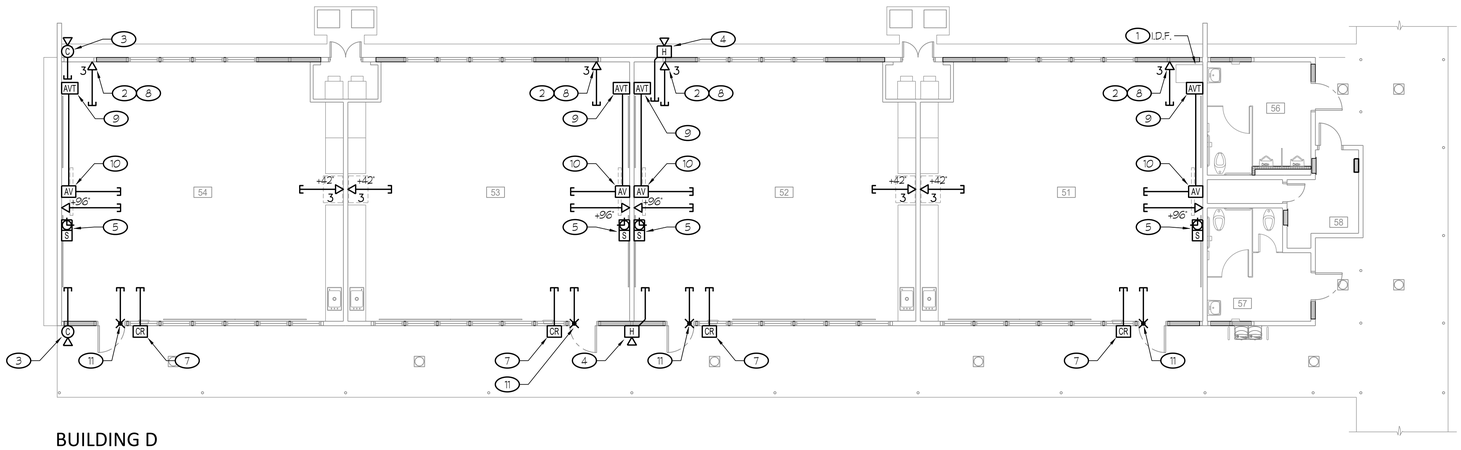
SCALE: 1/8" = 1'-0"



BUILDING D

SIGNALS CEILING PLAN

SCALE: 1/8" = 1'-0"



BUILDING D

SIGNALS PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION NOTES (THIS SHEET ONLY):

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51	CLASSROOM	9'-6"
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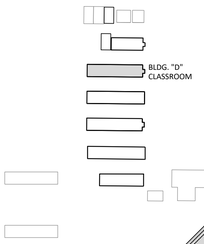
53	CLASSROOM	9'-6"
54	CLASSROOM	9'-6"
56	BOYS	10'-0"
57	GIRLS	10'-0"
58	JANITOR	(E) 8'-0"



BUILDING SITE KEY

north

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

APPROVALS

FILE # 16-14 | APPLICATION # 02-123247

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APP: 02-123247 INC:
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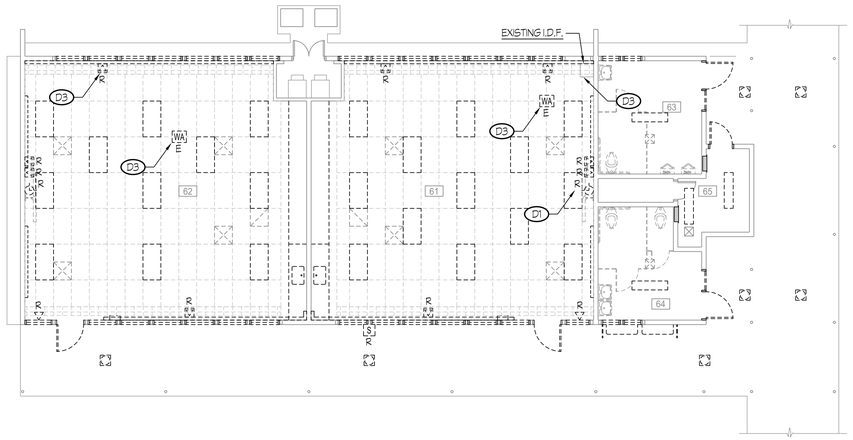
TITLE
BUILDING D
SIGNALS PLANS

T5.1

PROJECT 24043

REGISTERED PROFESSIONAL ENGINEER
ROGER K. TIRK
No. E-18786
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Drafting\Jobs\RDS\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\T5.1.dwg DATE SAVED: 09/18/25 By: LanceSmith DATE PLOTTED: 10/24/25 JOB # 24-092-SE



BUILDING E

DEMOLITION SIGNALS PLAN

SCALE: 1/8" = 1'-0"

north

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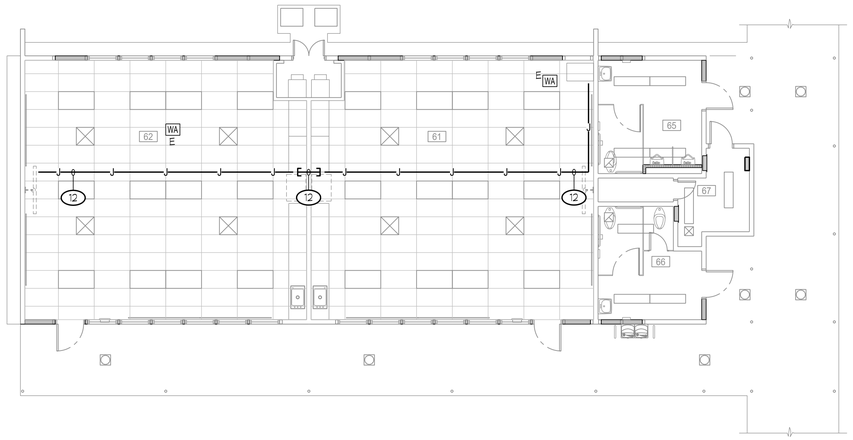

BUILDING E

SIGNALS CEILING PLAN

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north

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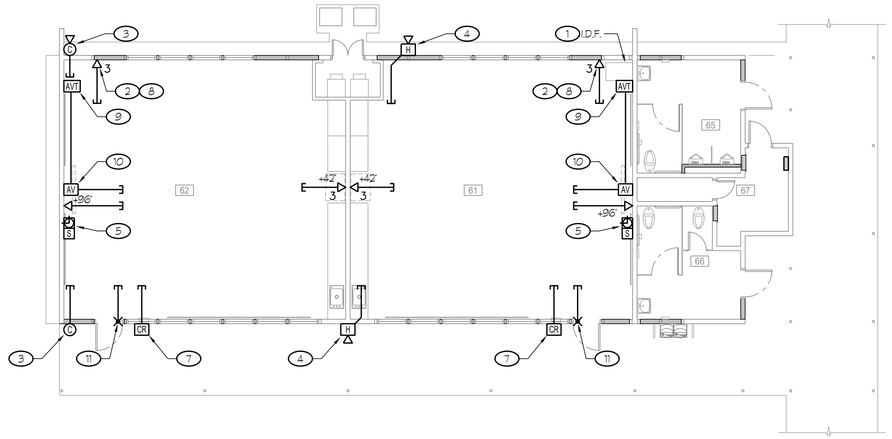


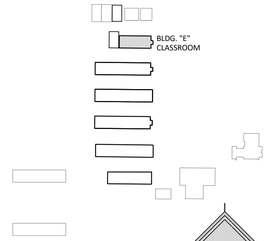
BUILDING E

SIGNALS PLAN

SCALE: 1/8" = 1'-0"

north

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
61	CLASSROOM	9'-6"
62	CLASSROOM	9'-6"
65	BOYS	10'-0"
66	GIRLS	10'-0"
67	JANITOR	(E) 8'-0"



BUILDING SITE KEY

north

APPROVALS

FILE # 16-14 APPLICATION # 02-123247

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
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TITLE
BUILDING E
SIGNALS PLANS

T6.1

PROJECT 24043

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

REGISTERED PROFESSIONAL ENGINEER
KIRK D. EASTHAM
No. E-18786
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Z:\Drafting\Jobs\RSES\SCHOOLS\Hanford\Monroe ES\24043 - Monroe Elem Modernization\T6.1.dwg DATE: SAVED: 09/18/25 BY: LorenaSmith DATE PLOTTED: 10/24/25 JOB # 24-092-SE

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DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

24' X 40' RELOCATABLE BULIDI

OFFICE OF LOCAL ASSISTANCE

STRUCTURAL SAFETY
TITLE 24 & 1988 UBC
Structural Safety Section
APR 12 1991
ACCESS COMPLIANCE
5603 APR 12 '91
FIRE MARSHAL
FIRE AND PANIC SAFETY
APR 12 1991
STATE FIRE MARSHAL
SOUTHERN REGION

SHEET INDEX

0 – COVER SHEET
1.0 – FLOOR PLAN, ROOF PLAN, INTERIOR ELEVATIONS
1.1 – EXTERIOR ELEVATIONS
2.0 – STRUCTURAL FRAMING
2.1 – WALL FRAMING
3.0 – TYPICAL DETAILS
3.1 – TYPICAL DETAILS
3.2 – TYPICAL DETAILS
4.0 – ELECTRICAL AND LIGHTING PLAN
5.0 – REFLECTED CEILING PLAN
6.0 – GENERAL NOTES AND SPECIFICATIONS
6.1 – GENERAL NOTES AND SPECIFICATIONS
7.0 – WOOD FOUNDATION PLAN & DETAILS
M–1 – AIR CONDITIONING PLAN
R–1 – RAMP PLAN
R–2 – RAMP DETAILS

SYMBOLS

TYPE	SYMBOL	MEANING
DETAIL	(1)	DETAIL ON SAME SHEET AS SYMBOL
DETAIL	(1/2)	DETAIL NUMBER (1) ON SHEET NO. (2)
DETAIL	DET 5:2	DETAIL NUMBER (5) ON SHEET NO. (2)
NOTE	(1)	NOTE NO. (1) ON SAME SHEET AS SYMBOL
NOTE	(4/5)	NOTE NUMBER (4) ON SHEET NUMBER (5)
NOTE	NOTE 4:3	NOTE NUMBER (4) ON SHEET NUMBER (3)
PANEL	◇	PANEL TYPE SEE SH. (2.1) FOR FRAMING
SECTION	(A/2)	SECTION (A) ON SHEET (2)

BUILDING DATA

OCCUPANCY	E–2
TYPE OF CONSTRUCTION	V–N
WIND LOAD	75 MPH WIND EXPOSURE "C"
FLOOR LIVE LOAD	50 lb./sq. ft.
ROOF LIVE LOAD	20 lb./sq. ft.
BUILDING AREA	960 sq. ft.
C.B.C.	FIRE MARSHAL
TITLE 24 1988 CALF. CODE OF REGULATIONS	PART 1,2,3,4,5 - STRUCTURAL
SYSTEM: MODULES	SHEAR WALL TWO (2) 12' X 40' MODULES

UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HANDS

ALL BUILDINGS BUILT FROM THESE PLANS WILL BE UNIT "B" TYPE BUILDINGS
SEE DIAGRAM ON SHEET 1.0

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: 4/17/91

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
APR 17 1991
Structural Safety Section
Appl. # 56032
Backchecked By

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION PER W. H. H. OFFICE
56032 APR 17 '91
APPROVAL of this plan does not authorize or approve any omission or deviation from applicable regulations.
Reviewed by

PLANS FOR SITE APPROVAL AND OR RELOCATION.
1 - TYPICAL CLOSE-UP DETAILS
2 - FOUNDATION PLAN
3 - RAMP DETAILS.

© MODTECH INC. 1991
O.L.A.

MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

REGISTERED PROFESSIONAL ENGINEER
EDWARD LINDEKUGEL
No. 776
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 3-31-92
LICENSED ARCHITECT
RICHARD HENRY MARGARI
No. 10149
STATE OF CALIFORNIA
margari associates
ARCHITECTURE & PLANNING
220 WEST AVENUE STREET
VISTA, CA 92083
(760) 631-0500

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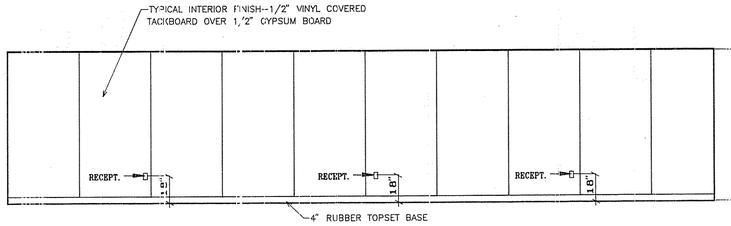

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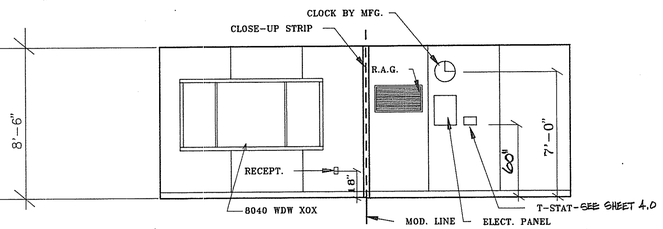

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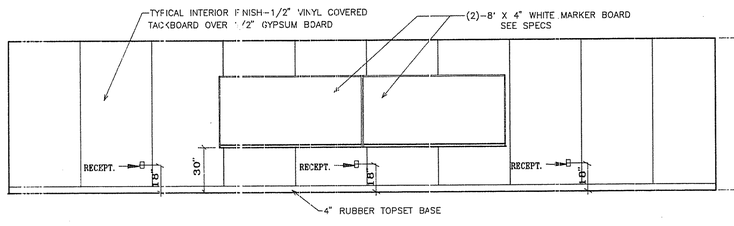

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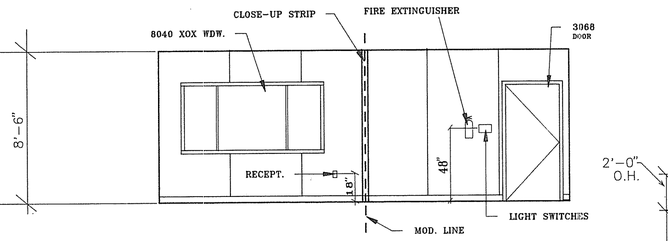

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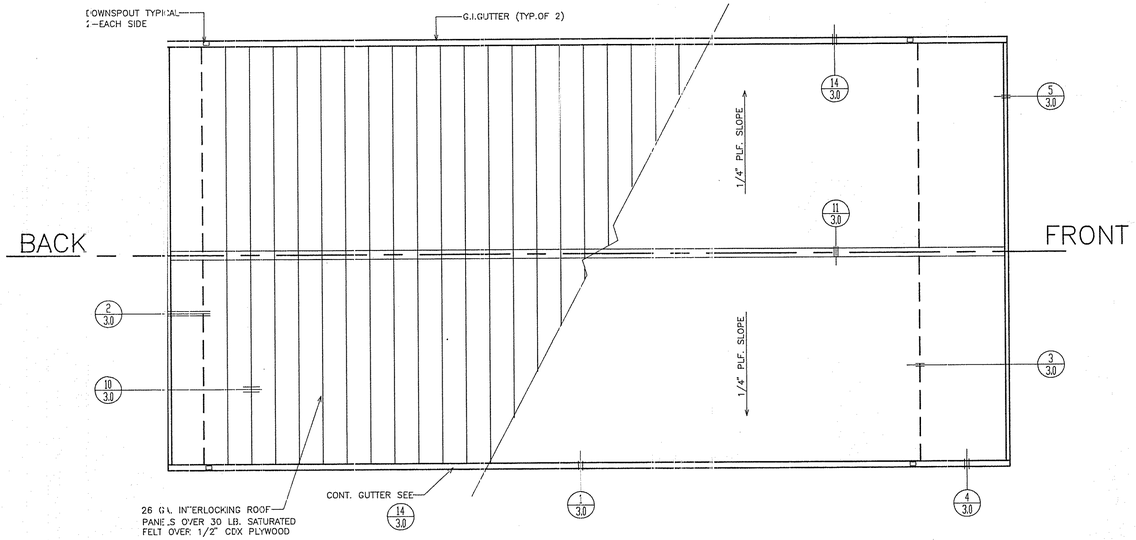
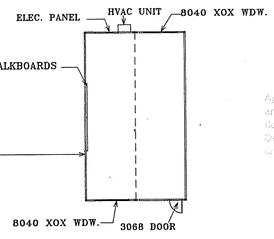
INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"



ROOF PLAN

SCALE: 1/4" = 1'-0"



UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND
UNIT "A" IS SHOWN ON FLOOR PLAN
UNIT "B" IS

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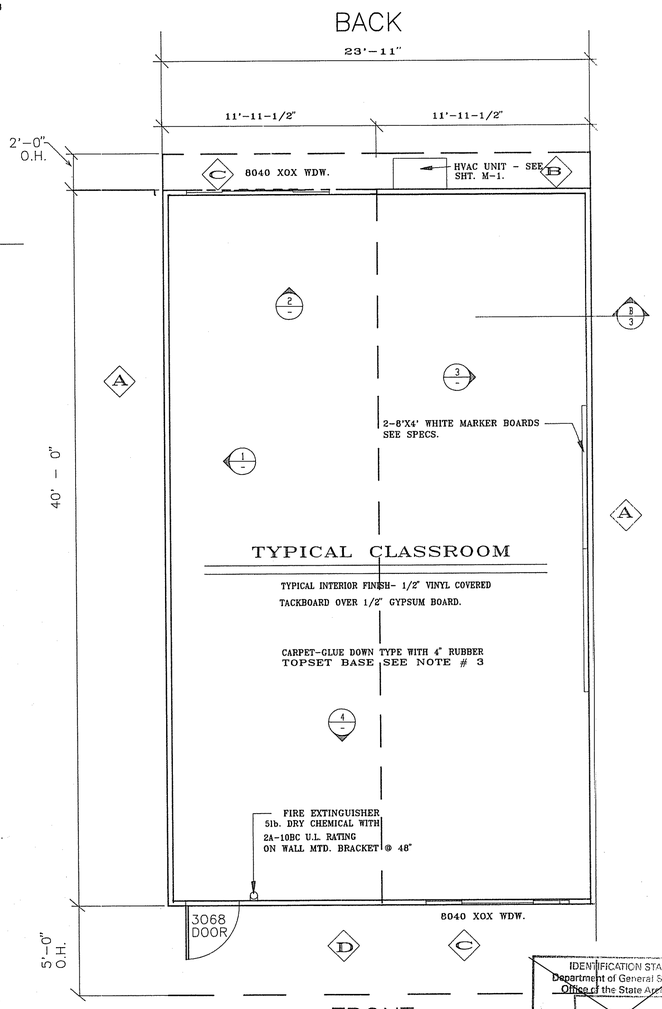
Reviewed by: 4/17/91

1. TYPICAL INTERIOR FINISH: 1/2" VINYL COVERED TACKBOARD, FLAME SPREAD CLASS 3 , OVER 1/2" GYP. BD. OR 3/8" PLYWOOD. SEE SPECIFICATIONS.
2. 8040 ANNODIZED ALUMINUM FRAME 5/8" MIN. DUAL PANE WINDOW. XOX THE 5/8" DIMENSION IS THE MINIMUM THICKNESS . SEE SPECIFICATIONS.
3. FINISH FLOORING: CARPET PER STATE OF CALIRORNIA SPEC. COMPLYING WITH GROUP 1, TYPE A, CLASS 26, 4600 DENSITY MIN. DIRECT GLUE DOWN, WITH BURKE 4" RUBBER TOP SET COVE BASE.
4. METAL TAG ON ALL MODULES. MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING. 3" X 1–1/2" TAG SHOWING O.S.A. APPLICATION NUMBER O.L.A. BUILDING NUMBER, DESIGN WIND LOAD, DESIGN ROOF LOAD, MANUFACTURERS NAME, & SERIAL NUMBER.
5. PAINT COLORS: DARK BROWN–FASCIA AND ALL TRIM MODTECH BEIGE–SIDING, SKIRTING AND SOFFIT INTERIOR TRIM–GEARY OAK. PRE–FINISHED BRONZE–DOOR AND FRAME



FLOOR PLAN

SCALE: 1/4" = 1'-0"

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Department of General Services
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Appl.# TP 56032
Backchecked By

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION PER W. H.D. BOCE
56032 APR 17 '91
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APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

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TITLE 24 & UBC 1991
APR 12 1991
Structural Safety Section
Appl.# TP 56032
Backchecked By

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STATE ARCHITECT ACCESS SECTION
56013 APR 12 '91
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FIRE MARSHAL
APPROVED
FIRE AND PANIC CODE
APR 12 1991
STATE FIRE MARSHAL
SOUTHERN REGION

REGISTERED PROFESSIONAL ENGINEER
RICHARD HENRY MANGINI
No. 776
STATE OF CALIFORNIA
LICENSED ARCHITECT
RICHARD HENRY MANGINI
No. C-10148
STATE OF CALIFORNIA

O.L.A.

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mangini associates
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VOSS, CA 92626
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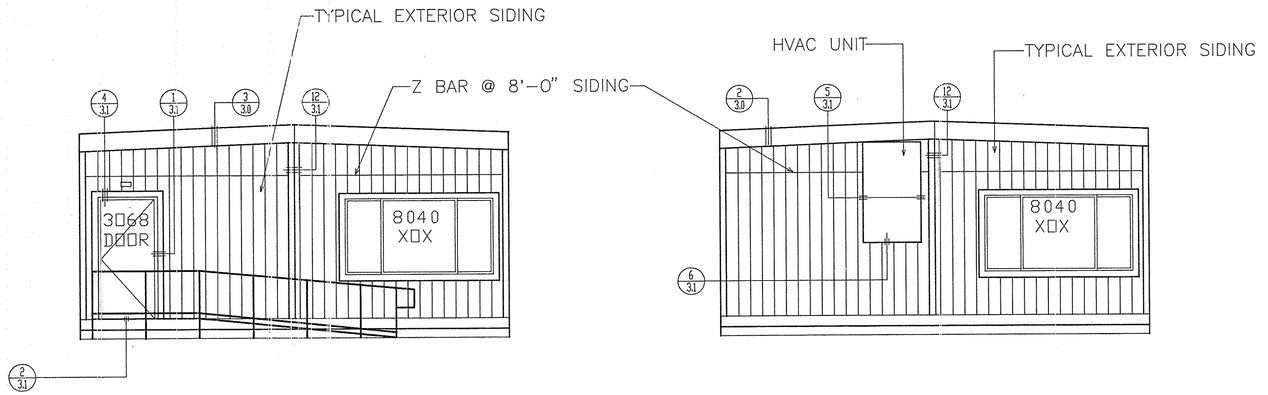
DATE: 11/04/2025

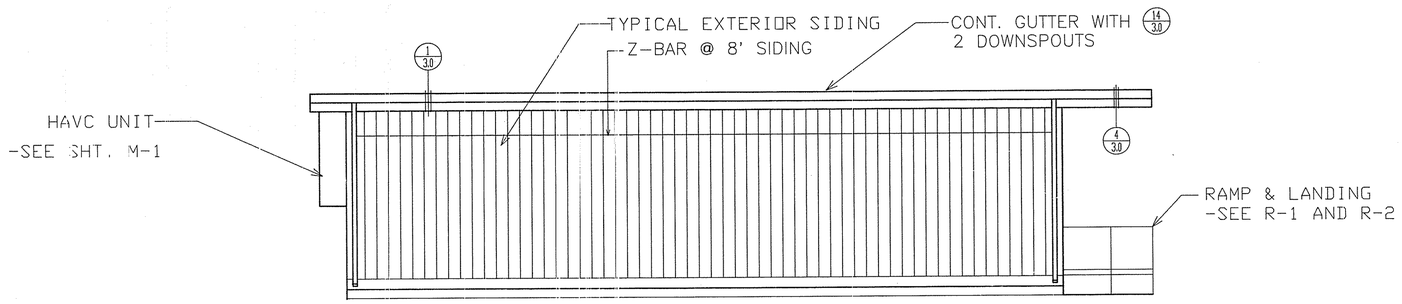


FRONT ELEVATION

SCALE : 1/4" = 1'-0"

BACK ELEVATION

SCALE : 1/4" = 1'-0"



SIDE ELEVATION

SCALE : 1/4" = 1'-0"

UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND

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APPLICATION PER W. IUD DWG
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TITLE 24 & 1988 UBC
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EDWARD LINDSKOG
No. 776
STRUCTURAL
STATE OF CALIFORNIA

LICENSED ARCHITECT
RICHARD HENRY MANGINI
No. C-10149
STATE OF CALIFORNIA

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(209) 527-2332

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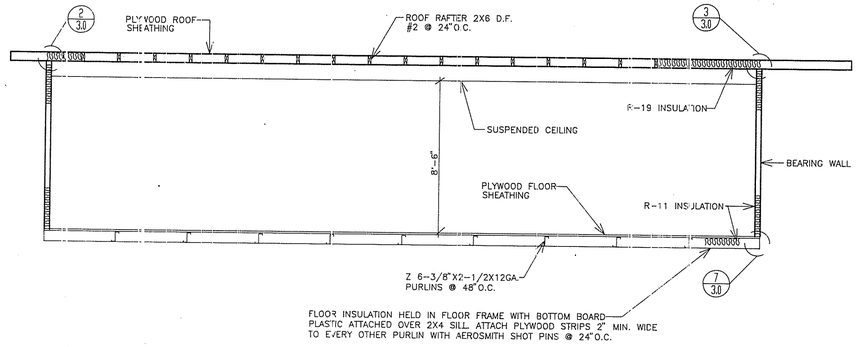
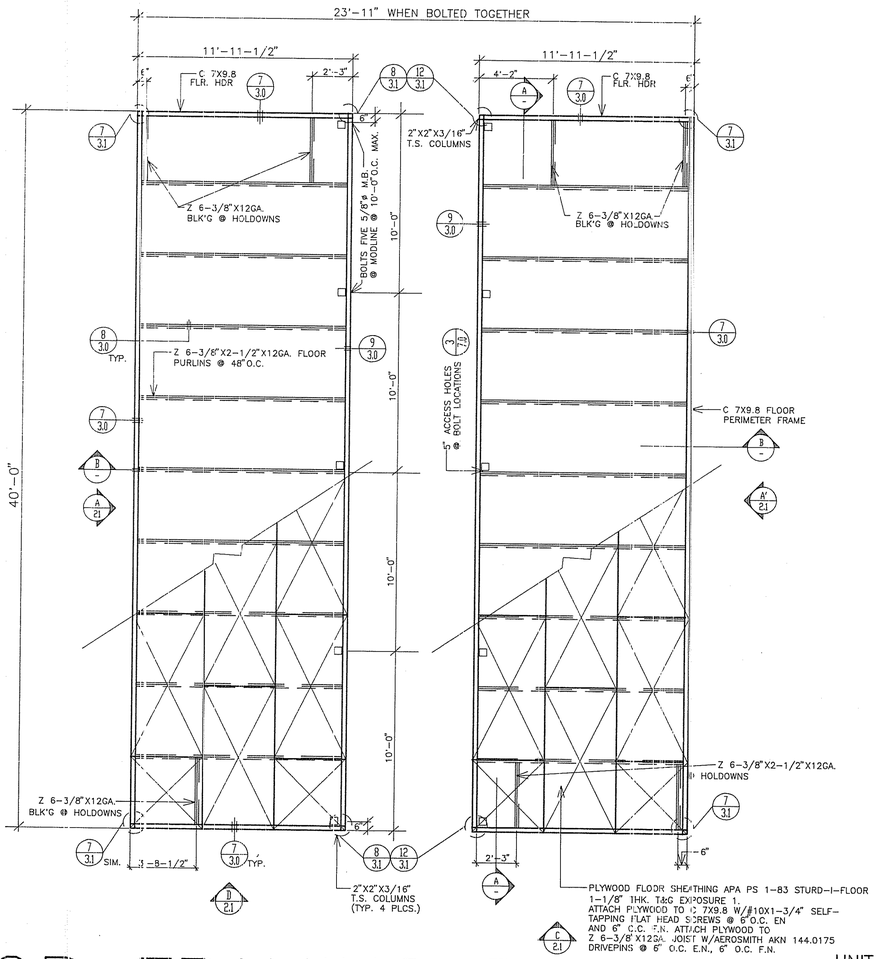


SECTION "A"

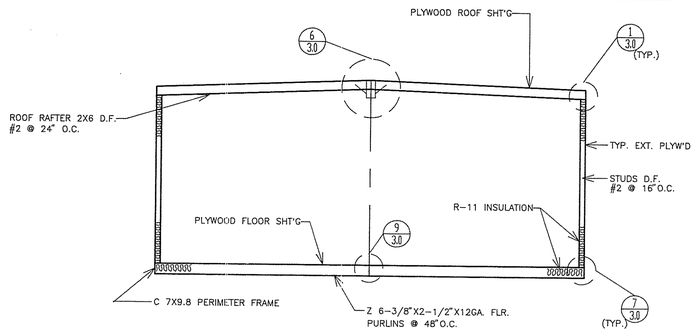
SCALE: 1/4"=1'



FLOOR FRAMING PLAN

SCALE: 1/4"=1'

UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND



SECTION "B"

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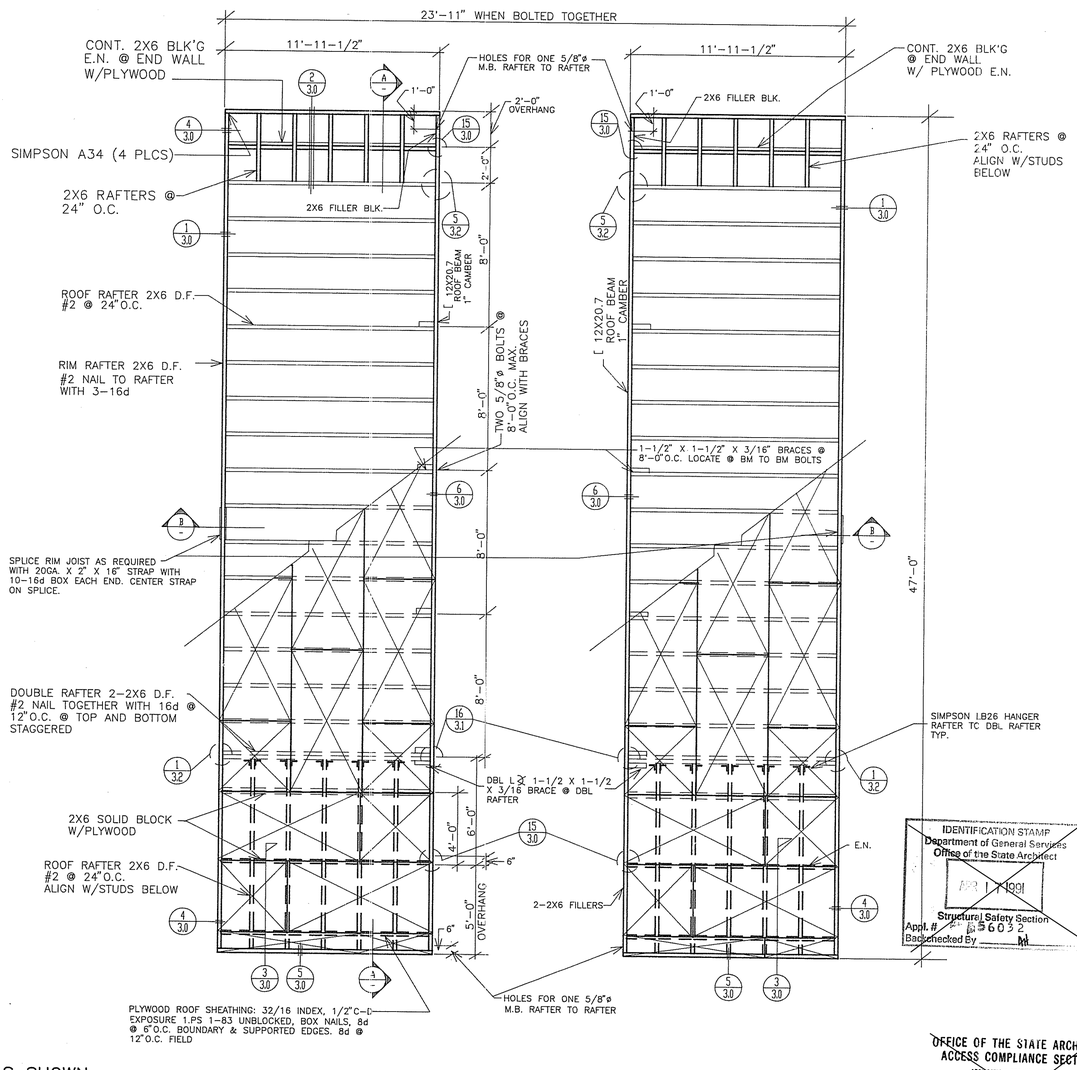

ROOF FRAMING PLAN

SCALE: 1/4"=1'

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REVIEWED FOR
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ACCESS COMPLIANCE SECTION
APPLICATION PER W. H. D. #none
56032 APR 17 '91
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REGISTERED PROFESSIONAL ENGINEER
EDWARD LINDBERG
No. 776
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 12-31-92

LICENSED ARCHITECT
HENRY HIRSCH
No. C 10140
STATE OF CALIFORNIA

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(415) 621-0333 FAX: 621-4205

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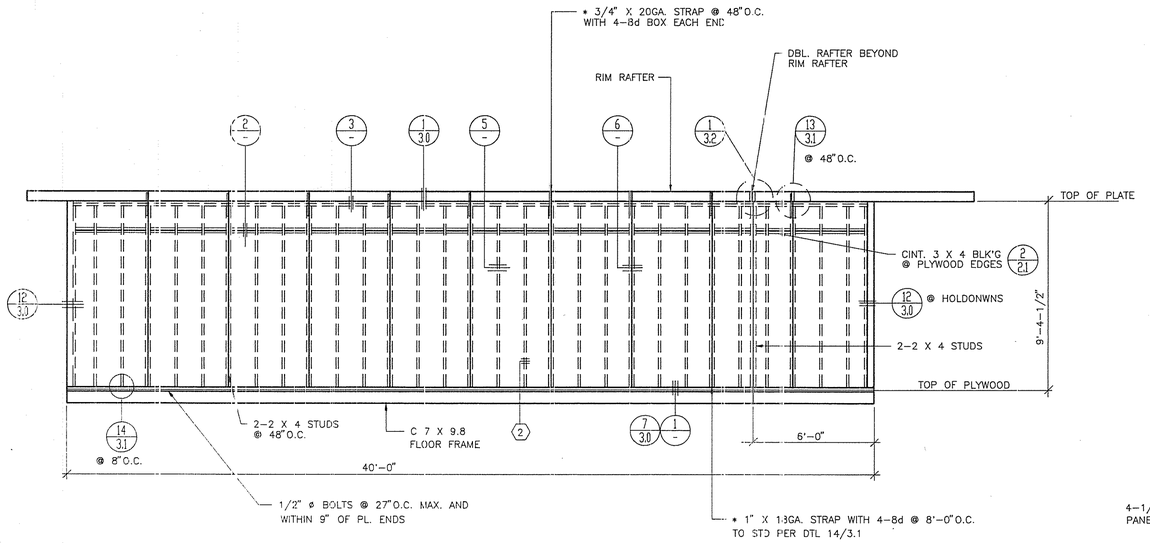
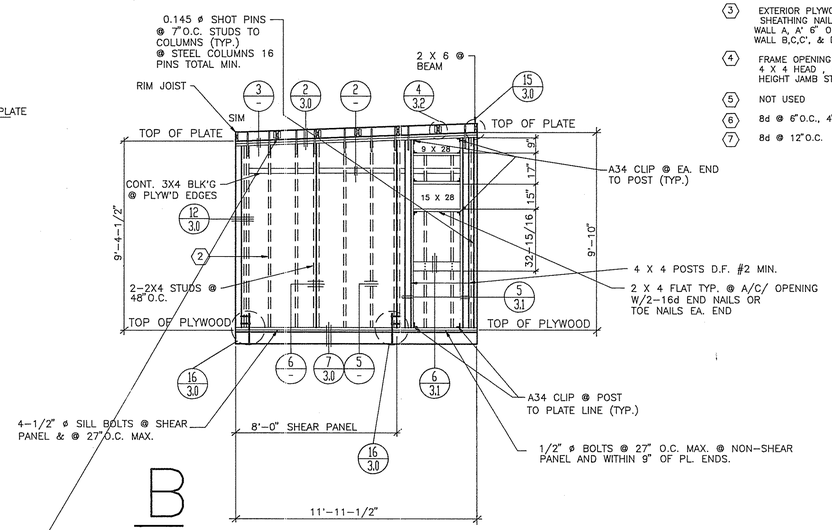


A

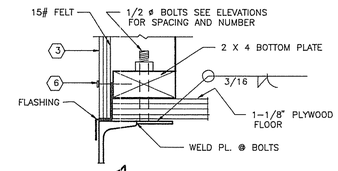
A' OPPOSITE HAND



B

NOTES

1. ALL EXTERIOR NAILS TO BE GALVANIZED BOX.
2. 2 X 4 STUDS: DOUGLAS FIR #2 @ 16"O.C.
3. EXTERIOR PLYWOOD SIDING SHEATHING NAIL W/8d GALV. BOX NAILS WALL A, A' 6" O.C. EDGE 12" O.C. FIELD WALL B,C,C', & D 4" O.C. EDGE 12" O.C. FIELD
4. FRAME OPENING FOR STEEL FRAME DOOR 4 X 4 HEAD , 1-2 X 4 TRIMMER AND 2-2 X 4 FULL HEIGHT JAMB STUDS BOTH SIDES
5. NOT USED
6. 8d @ 6"O.C., 4"O.C. @ WALL B,C,C,', & D
7. 8d @ 12"O.C.



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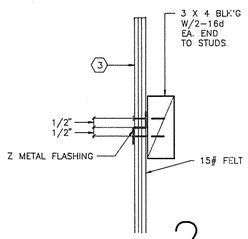

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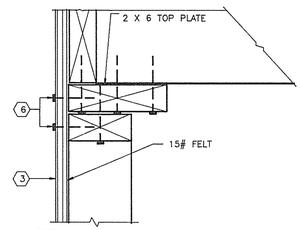

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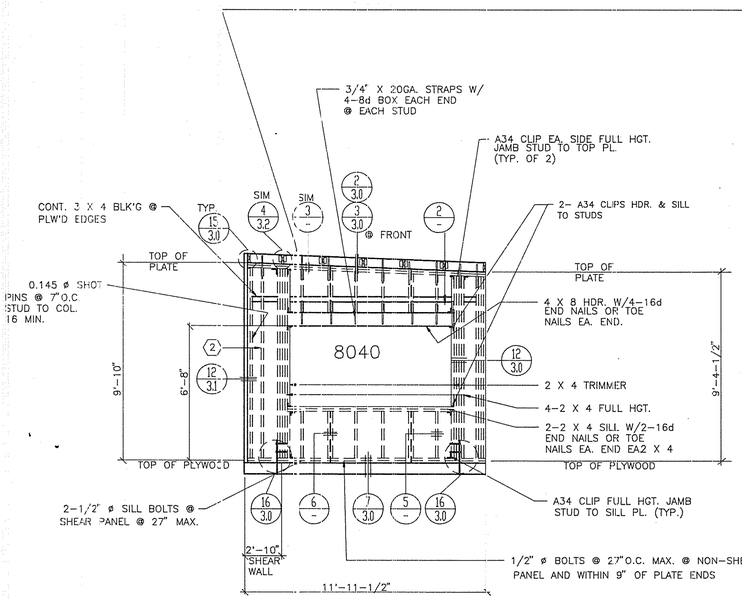
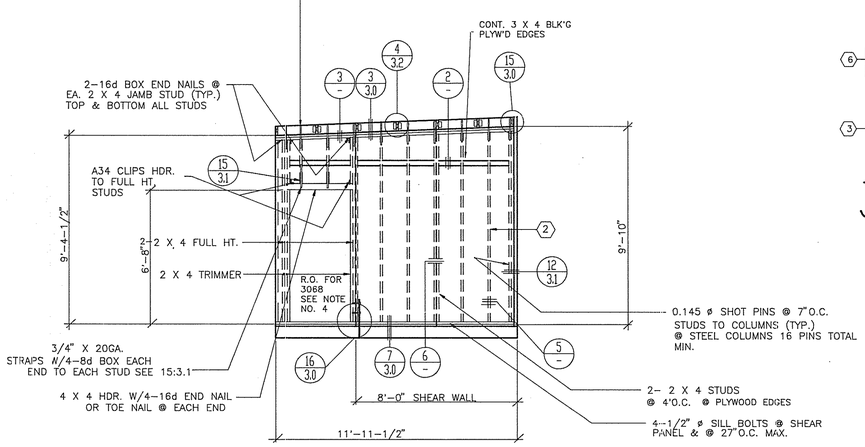


C C'

UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND



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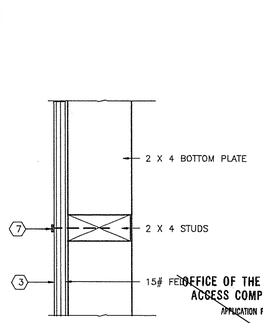

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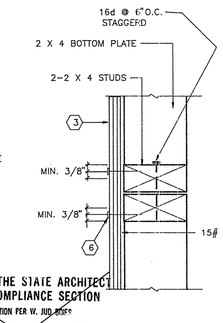

6

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APP: 02-123247 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

STRUCTURAL SAFETY
TITLE 24 & 1988 UBC
Department of General Services
Office of the State Architect
APR 12 1991
Structural Safety Section
Appl. # P 5601 3
Reviewed By

ACCESS COMPLIANCE
STATE ARCHITECT
COMPLIANCE SECTION
56013 APR 12 '91
Approved per W. Bid Supp. dated

FIRE MARSHAL
APPROVED
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APR 12 1991
STATE FIRE MARSHAL
SOUTHERN REGION

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Office of the State Architect
APR 17 1991
Structural Safety Section
Appl. # P 56032
Reviewed By

REGISTERED PROFESSIONAL ENGINEER
RICHARD LINDSEY
No. 776
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 12-31-92

LICENSED ARCHITECT
RICHARD HENRY HANSON
No. C 20146
REGISTERED
STATE OF CALIFORNIA

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION PER W. BID SUPP
56032 APR 17 '91
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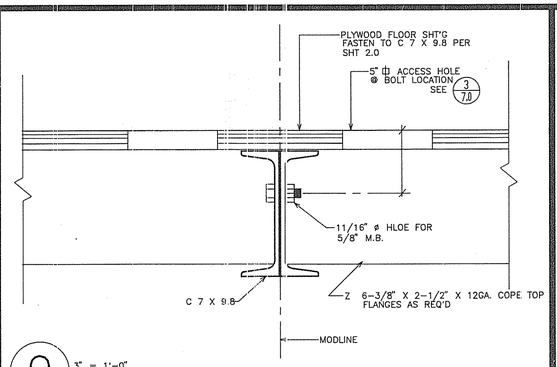
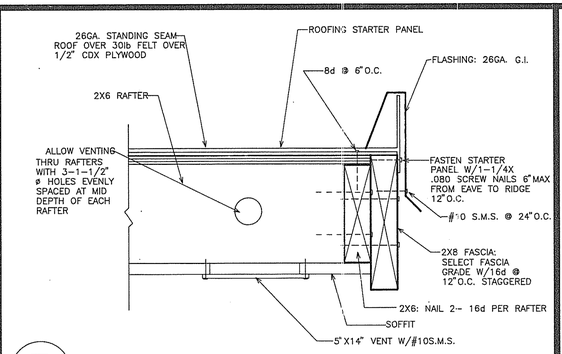
13

9 — FLOOR FRAME @ MODLINE JOINT

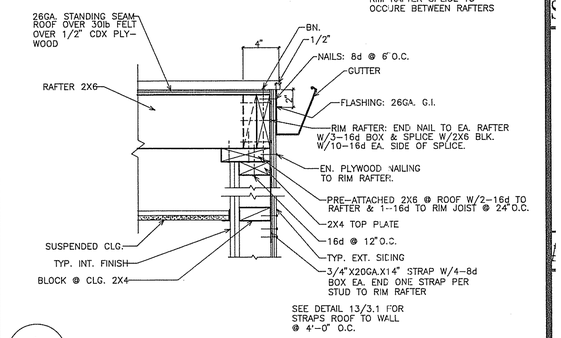


3" = 1'-0"

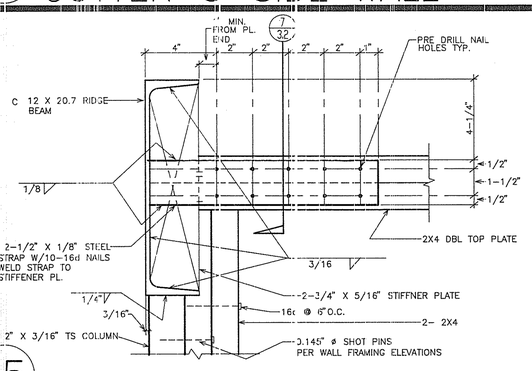
5 — FASCIA — 3"=1'-0"



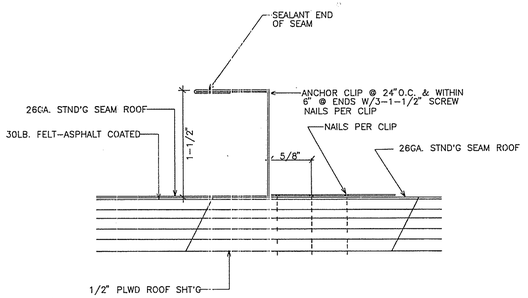
1 — ROOF @ SIDE WALL — 1-1/2" = 1'-0"



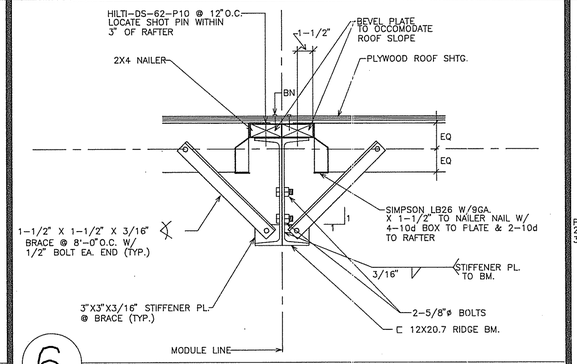
14 — GUTTER @ SIDE WALL — 1-1/2" = 1'-0"



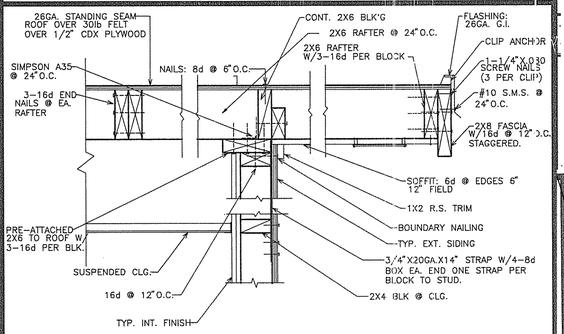
10 — ROOF SEAM — FULL



6 — RIDGE BEAM — 1-1/2" = 1'-0"

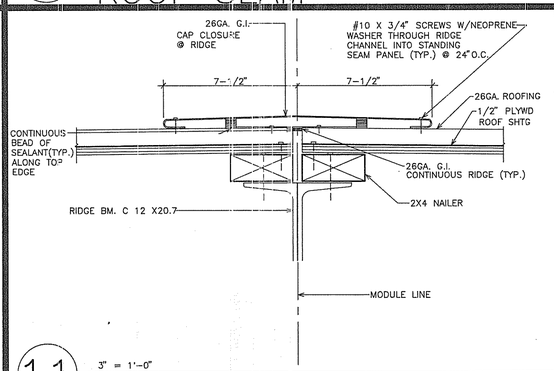


2 — ROOF @ BACK END WALL — 1-1/2" = 1'-0"

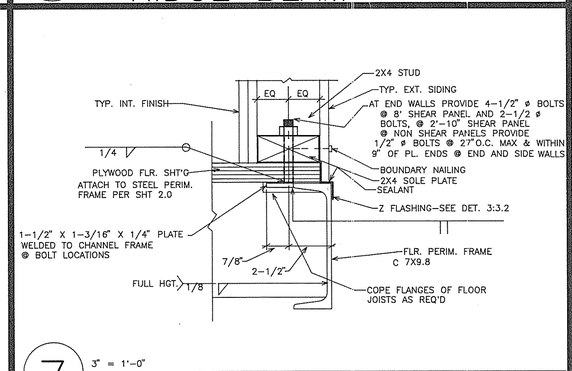


15 — TIE STRAP — 3" = 1'-0"

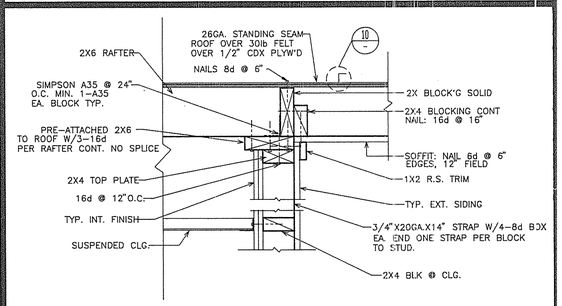
11 — ROOFING AT MODULE LINE — 3" = 1'-0"



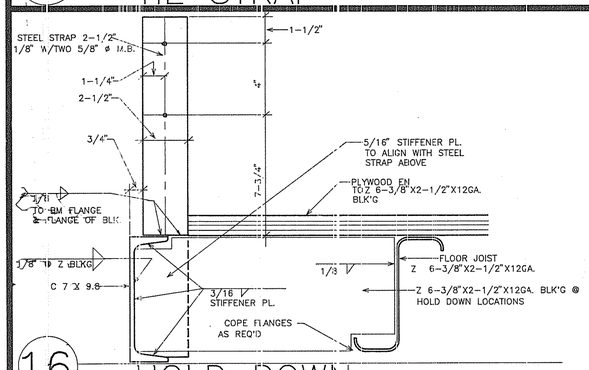
7 — FLOOR FRAME @ END WALL — 3" = 1'-0"



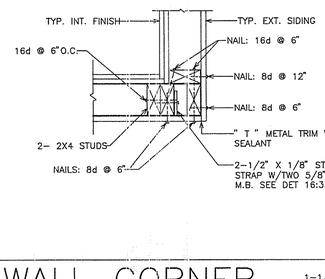
3 — FRONT END WALL — 1-1/2" = 1'-0"



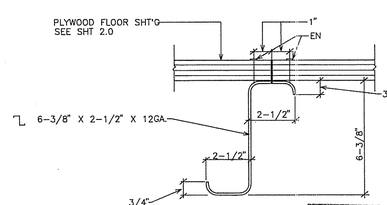
16 — HOLD DOWN — 3" = 1'-0"



12 — WALL CORNER — 1-1/2" = 1'-0"



8 — TYP. JOIST



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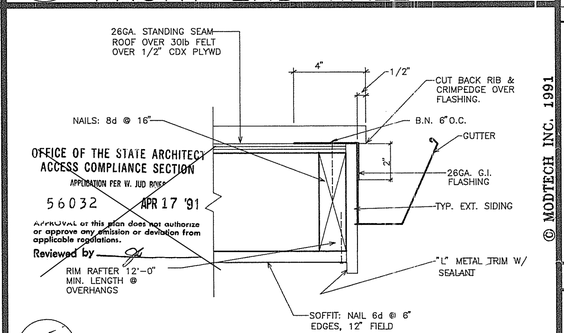
Office of the State Architect
APR 17 1991
Structural Safety Section
Appl. # 56032
Backchecked By

4 — FASCIA — 3"=1'-0"



STRUCTURAL SAFETY
TITLE 24 & 1988 UBC
APR 12 1991
Structural Safety Section
Appl. # 56032
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ACCESS COMPLIANCE
STATE ARCHITECT COMPLIANCE SECTION
56032 APR 12 1991
APPROVED PER W. JUD ROY

FIRE MARSHAL
APPROVED
FIRE AND PANIC EXIT
APR 12 1991
STATE FIRE MARSHAL
SOUTHERN REGION

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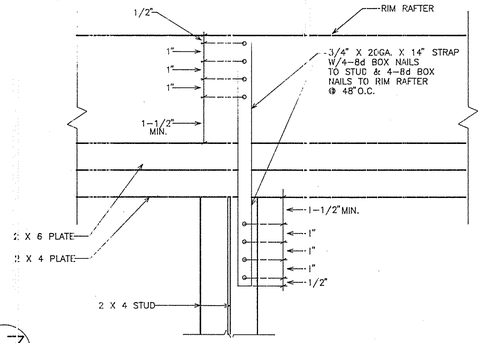
REGISTERED PROFESSIONAL ENGINEER EDWARD LINDSEY No. 776 STRUCTURAL STATE OF CALIFORNIA

LICENSED ARCHITECT RICHARD HENRY RASMUSSEN No. C 10145 STATE OF CALIFORNIA

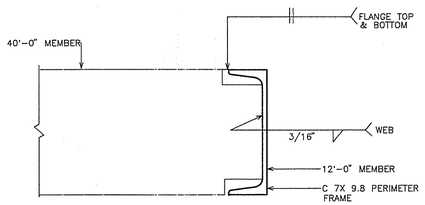
mangini associates
ARCHITECTURE • PLANNING • INTERIORS
22 VERONA • IRVINE • CA 92612
(714) 768-0808

3.0

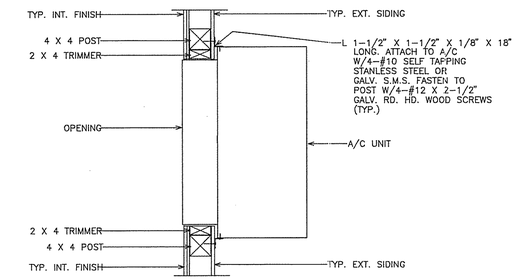
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025



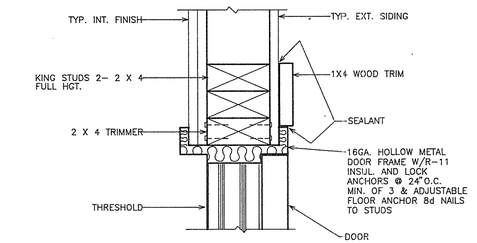
13 ROOF UPLIFT @ TOP 3" = 1'



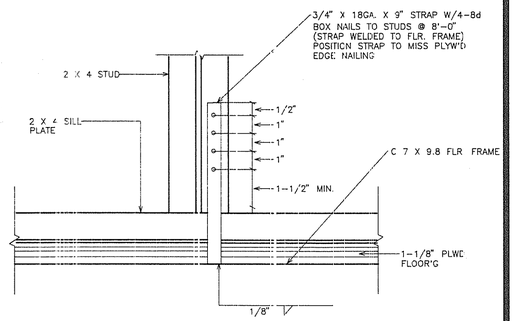
9 SECTION OF FLOOR FRAME AT CORNER



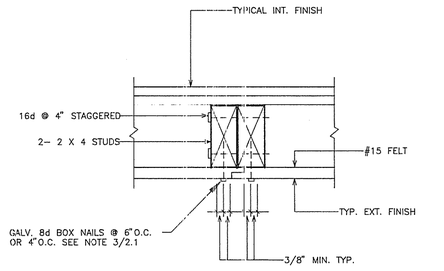
5 A.C. UNIT 1" = 1'



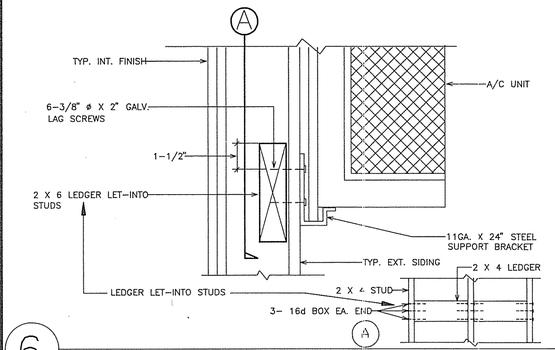
1 DOOR JAMB 3" = 1'



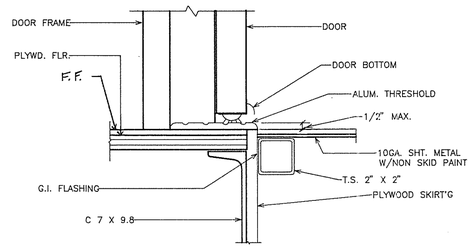
14 ROOF UPLIFT @ BOTTOM



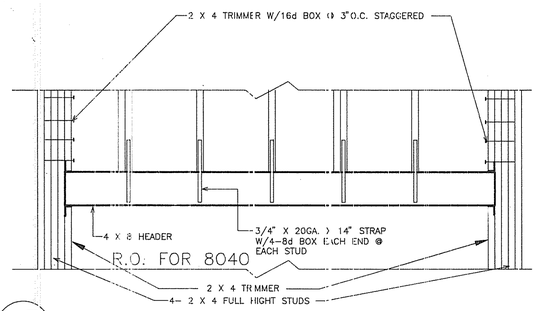
10 PANEL JOINT 3" = 1'



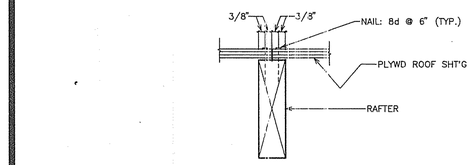
6 A.C. UNIT BOTTOM 3" = 1'



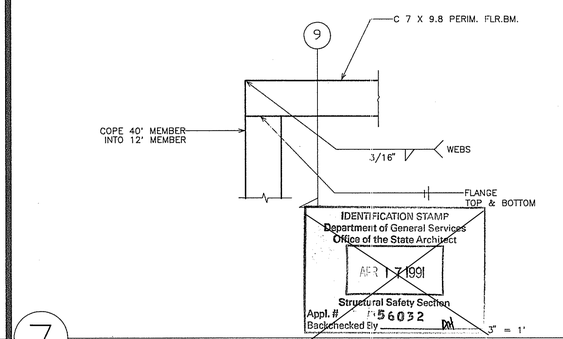
2 THRESHOLD 3" = 1'



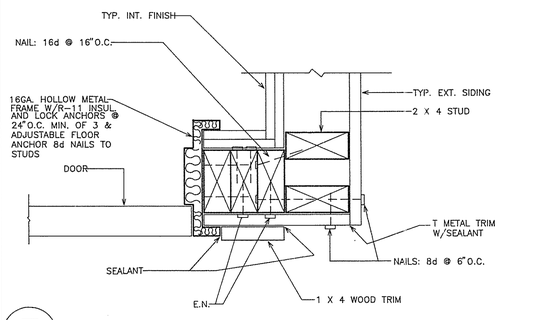
15 WALL C.C' @ WINDOW HEADER



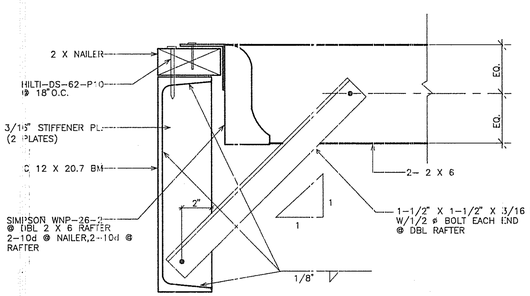
3" = 1'
11 PLYWOOD PANEL JOINT



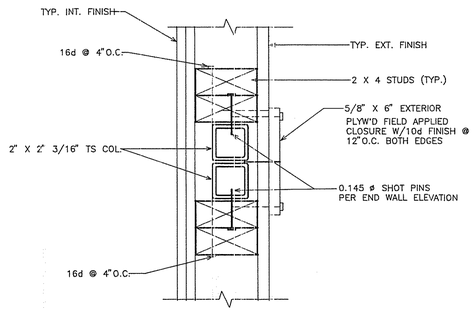
7 FLOOR FRAME @ CORNER 3" = 1'



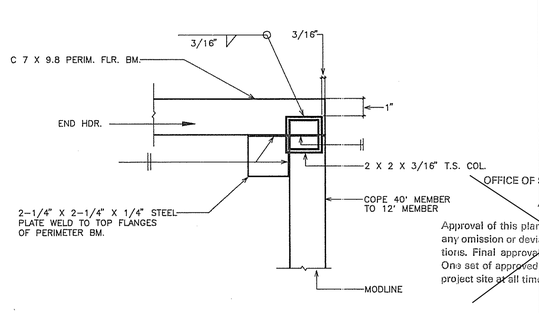
3 JAMB 3" = 1'



16 DOUBLE RAFTER TO BEAM



3" = 1'
12 CLOSURE @ MOD LINE



3" = 1'
8 FLOOR FRAME @ CORNER

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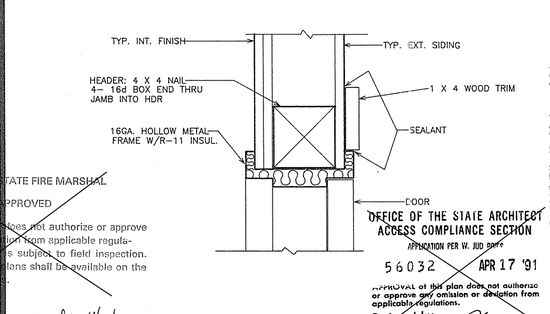
Reviewed by: 4/17/91



OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION PER W. JUD DAFF
56032 APR 17 '91
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Reviewed by

4 HEADER 3" = 1'

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STRUCTURAL SAFETY
TITLE 24 ø 1988 ADC
NON-RESIDENTIAL STRUCTURE
Department of General Services
Office of the State Architect
APR 12 1991
Structural Safety Section
Appl. # 56013
Backchecked By

ACCESS COMPLIANCE
STATE ARCHITECT COMPLIANCE SECTION
56013 APR 12 '91
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FIRE MARSHAL
APPROVED
FIRE AND PANIC CODE
APR 12 1991
STATE FIRE MARSHAL
SOUTHERN REGION

REGISTERED PROFESSIONAL ENGINEER
RICHARD HENRY MANN
No. 776
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 3-31-92

LICENSED ARCHITECT
RICHARD HENRY MANN
No. R 10149
REGISTERED
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manini associates
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(209) 524-2020

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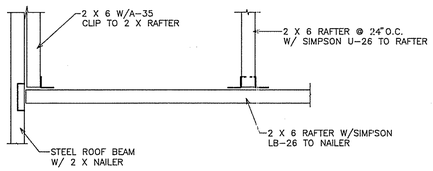
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025



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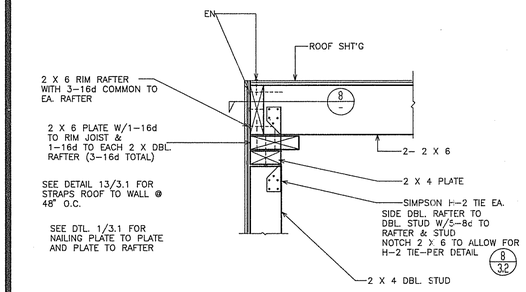
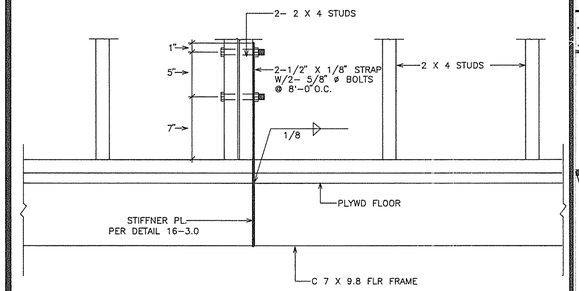
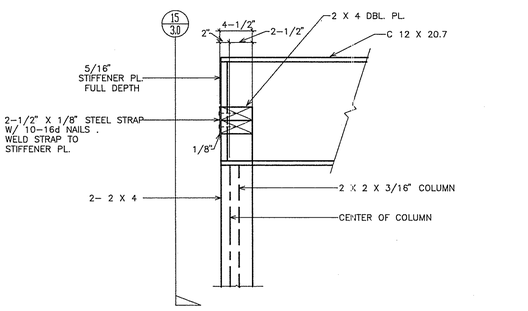


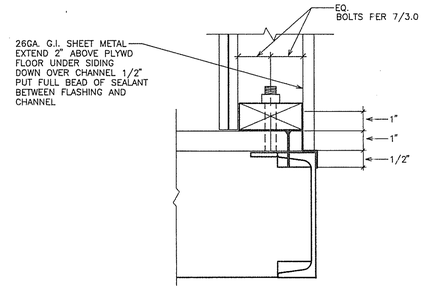
1 DBL. RAFTER TO SIDE WALL 1-1/2" = 1'



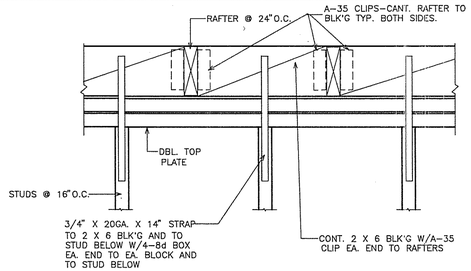
2 ALT. TO (14/3.1) 1-1/2" = 1'



7 SECTION @ TIE STRAP 1-1/2" = 1'



3 FLASHING DETAIL 3" = 1'



4 RAFTER TO BLK'G CONN.

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APPLICATION PER W. JUD. CODE
56032 APR 17 '91
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TITLE 24 & 1988 UBC
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MAY 21 1991
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Appl. # 56032
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ACCESS COMPLIANCE
STATE ARCHITECT
ACCESS COMPLIANCE SECTION
56013 APR 12 '91

FIRE MARSHAL
APPROVED
FIRE AND PANIC CODE
APR 12 1991
STATE FIRE MARSHAL
SOUTHERN REGION

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REGISTERED PROFESSIONAL ENGINEER
No. 776
STRUCTURAL
STATE OF CALIFORNIA

LICENSED ARCHITECT
RICHARD HENRY MARGINI
No. C 10149
REG.
STATE OF CALIFORNIA

margini associates
ARCHITECTURE & PLANNING
207 WEST ALISAL STREET SALINAS, CA 93901
(408) 424-2626

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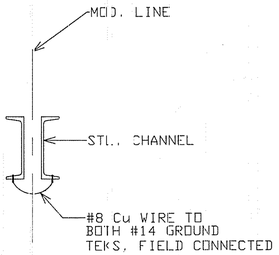
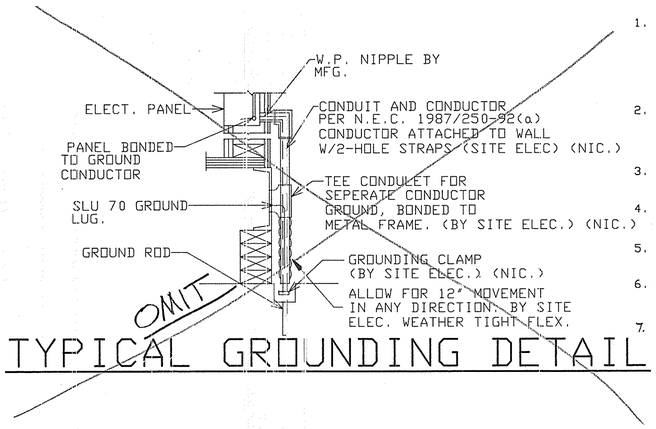


(2/-) JUMPER @ MOD. LINE



(1/-) TYPICAL GROUNDING DETAIL

NOTES:

1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD.X8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP. (BY SITE ELECTRICAL) (NIC.) (1/-)
2. TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPERATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL) (NIC.)
3. PROVIDE EQUIPMENT ANCHORAGE PER TITLE 24, TABLE NO. 23-P
4. SIZE OF GROUNDING ELECTRODE SHALL COMPLY WITH N.E.C. TABLE 94 & 95
5. ALL WIRING SHALL BE 75° CENTIGRADE OR CALCULATE DERATION FOR AMBIENT TEMPERATURE
6. ELECTRICIAN SHALL PROVIDE 2-12GA. SLACK WIRES TO HOUSING OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS WIRES SHALL BE ATTACHED TO STRUCTURE
7. FIELD INSPECTOR SHALL WHITNESS GROUNDING TEST
8. REFER TO (3/SE-1) (2/SE-2) (1/SE-3)

SYMBOLS LIST

- 2a / 4b — 4-TUBE FLUORESCENT LIGHT FIXTURE, RECCESSED MOUNTED SEE SPECS
- Ō — FLOURESCENT BRACKET LIGHT FIXTURE SEE SPECS
- φ — DUPLEX WALL RECEPTACLE, GROUNDING TYPE(+18")
- $a — SWITCH SINGLE POLE @ (+48") 'a' DENOTES CONTROLLING SWITCH
- (J) — JUNCTION BOX, SIZED PER N.E.C.
- (J)⊣ — JUNCTION BOX, SIZED PER N.E.C. FLUSH WALL MTD.
- F — FUSED DISCONNECT SWITCH RAINTIGHT FUSED PER EQUIPMENT MFG.
- (SEE NOTES #15-SE-1 & #11-SE-2 & #14-SE-3) (J) F.A. PULL STATION @ 48" MAX. AFF. NON-CODE, NON-BREAK GLASS TYPE SIMPLEX 2099-9787 (RMS-IT) SFM 7150-1039:101
- (J) F.A. HORN MTD. ON EXTERIOR @+96" MIN. AFF. SHALL HAVE A LOUDNESS RATING OF AT LEAST 90 Db. AT ONE METER DISTANCE WHEELOCK 31T-115 SFM 7135-785:007
- (T) THERMOSTATE (LOCKED AUTO-MATIC) + 60"
- CLOCK (7'-0")
- N.I.C. NOT PART OF RELOCATABLE BUILDING INSTALLATION CONTRACT WORK DONE BY OTHERS
- ——— CONDUIT RUN CONCEALED IN WALL OR CEILING
- ——— 1/2" C.2#12 / //— 1/2" C.3#12 / ///— 1/2" C.5#12 — SEE NOTE FIVE
- A-1,3 → HOME RUN PANEL 'A' NUMBERS INDICATE CIRCUIT NUMBERS IN PANEL
- E.G. EQUIPMENT GROUND
- C.O. CONDUIT ONLY
- EQUIPMENT GROUND TO BE INSTALLED IN ALL CONDUITS

THE H.V.A.C. UNIT FEEDER CIRCUIT-PANEL CIRCUIT BREAKER, FEEDER WIRE, UNIT DISCONNECT AND FUSES (WHERE USED)-IS TO BE COORDINATED WITH THE UNIT NAME PLATE DATA AT THEE TIME OF MANUFACTURER. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NO" BE ALLOWED TO BE INSTALLED ON THIS BUILDING. IF 60 DEGREES C WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY DERATING FOR MAXIMUM ALLOWABLE AMBIENT TEMPERATURE MUST BE PROVIDED ON THE DRAWING.

PANEL TO BE LISTED FOR USE WITH SERVICE EQUIPMENT

PANEL FLUSH NEMA 1,NQO — MAIN CB 100A

VOLTAGE 120/240 V, 1ø, 60 Hz, 3W — BUS SIZE 100A

CIRC. NO.	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	WATTAGE ø A	WATTAGE ø B	WATTAGE	CIRC. BACK AMP	CIRC. BACK POLE	REMARKS
1		4	+CLOCK	900			20	1	RECPT.
2	6			900			20	1	LTS
3		4			720		20	1	RECPT.
4	7				1000		20	1	LTS
5			HVAC	2902			50	2	HEAT PUMP 3-1/2T
6									SPACE
7					2902				
8									
9									SPACE
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
TOTALS				4702	4622		9324		38.85(CON)

L.C.L. = 7704 — L.C.L. X125%= 9630; OTHER =1620; TOTAL =11,250 OR 46.88A

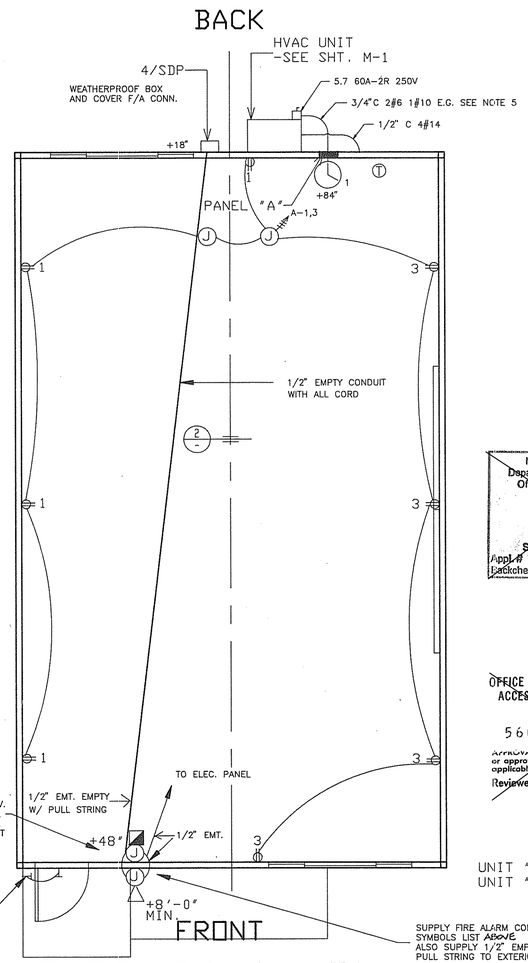
NOTE:

ALL ELECT. EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

FIXED EQUIPMENT ON GRADE	22% OF OPERATING WEIGHT
FIXED EQUIPMENT ON STRUCTURE.	33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIP. ON GRADE	33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIP. ON STRUCT.	50% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 2X THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE-USE 1/3 X HORIZONTAL FORCE

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER & THE FIELD REPRSENTATIVE OF O.S.A.



ELECTRICAL PLAN

SCALE: 1/4"=1'-0"

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Office of the State Architect
APR 17 1991
Structural Safety Section
Appl.# 56032
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APPLICATION PER W. JUD ROTH
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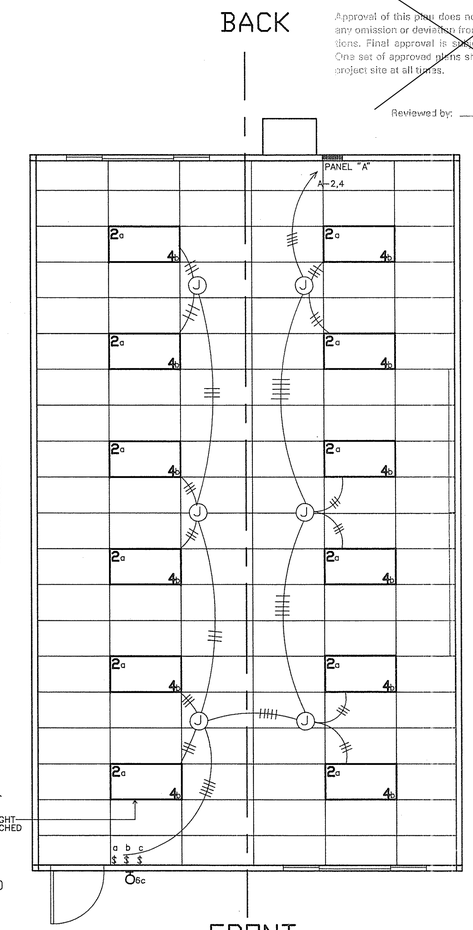
Reviewed by

UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND



LIGHTING PLAN

SCALE: 1/4"=1'-0"

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Reviewed by: Joe 4/17/91

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Structural Safety Section
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FIRE MARSHAL
APPROVED FIRE AND PANIC CODE
APR 12 1991
STATE FIRE MARSHAL SOUTHERN REGION

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REGISTERED PROFESSIONAL ENGINEER EDWARD UNDERDAL No. 776 ELECTRICAL STATE OF CALIFORNIA
LICENSE EXPIRES 12-31-92

LICENSED ARCHITECT EDWARD HENRY MAZARIA No. 10148 REG. STATE OF CALIFORNIA

mangini associates
ARCHITECTURE / PLANNING
2201 Broadway, Suite 815, Oakland, CA 94612
(415) 763-0555 FAX 763-0556

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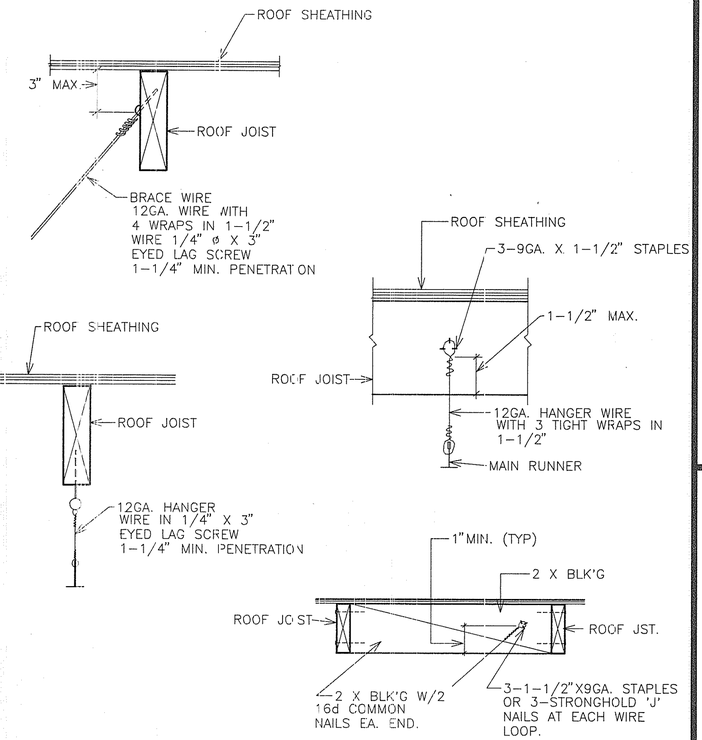
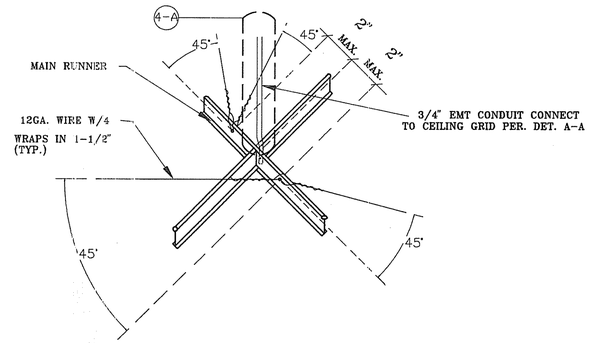


HANGER CONN. @ ROOF JOIST



SEISMIC SPLAY DETAIL #4

NOTES

1. MAIN RUNNERS @ 4'-0" O.C. W/12GA. HANGER WIRES AT THE END OF ALL RUNNERS.
2. AT THE END OF ALL RUNNERS A 12GA. HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL OR SOFFIT
3. VERTICAL WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTERBRACING WIRES.
4. ELECTRICIAN SHALL PROVIDE 2-12 GA. SLACK WIRES TO HOUSING, OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS. WIRES SHALL BE ATTACHED TO STRUCTURE.
5. RUNNERS MAY BE ATTACHED TO WALLS OR MOLD AT 2-ADJACENT WALLS, OTHER WALLS NO ATTACHEMENT, CLEARANCE OF 1/2" BETWEEN END OF RUNNER AND FACE OF WALL.
6. CEILING AREAS SHALL HAVE 2-WAY SPLAYS PER DETAIL "A" IN LOCATIONS INDICATED ON DRAWINGS. WIRES TAUT BUT NOT TO DISTORT GRID.
7. MAIN RUNNERS: CHICAGO #1870, 4' CROSS TEE: CHICAGO #1854, 2' CROSS TEE: CHICAGO #1856 WALL ANGLE: CHICAGO #1420, HEAVY DUTY SYSTEM
8. LIGHT FIXTURES: 2X4 RECESSED, ATTACHED TO GRID W/4-#8 SHEET METAL SCREWS.
9. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.
10. REGISTERS SHALL BE POSITIVELY ATTACHED W/4-10GA. SHEET METAL SCREWS. PROVIDE 2-12GA. SLACK WIRES FROM REGISTERS OR SHEET METAL DUCT TRANSITION TO STRUCTURE ABOVE. METAL STRAPS MAY BE USED AS ALT.
11. ACOUSTICAL PANELS SHALL BE 5/8" MIN. THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE, ASTM FLAME SPREAD INDEX CLASS 1 (0-25), 24 X 48 MODULAR SIZE, LIGHT REFLECTION 75% NOISE REDUCTION COEFFICIENT OF 0.65 MIN.

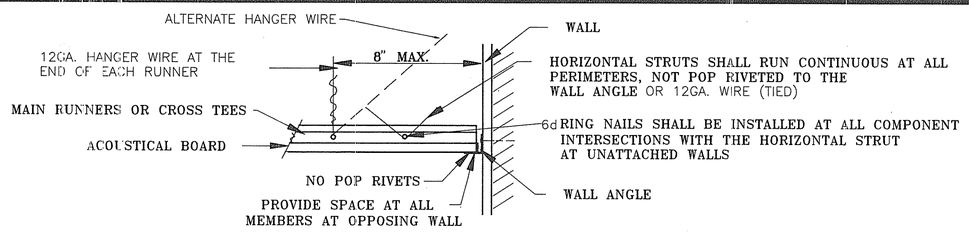
SYMBOLS

SEISMIC SPLAY

2X4 LIGHT FIXTURE

SUPPY AIR GRILL

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: JA 4/17/91



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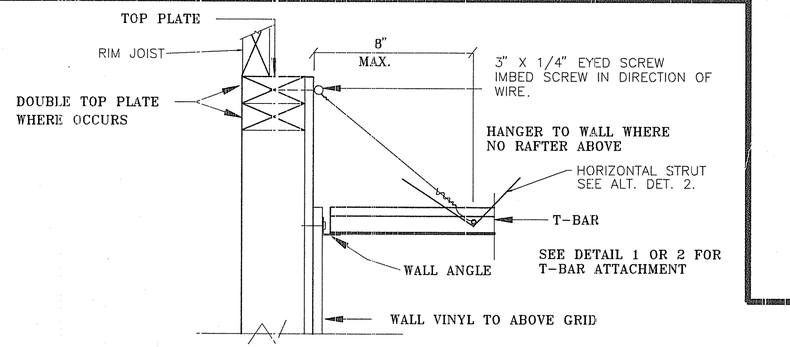

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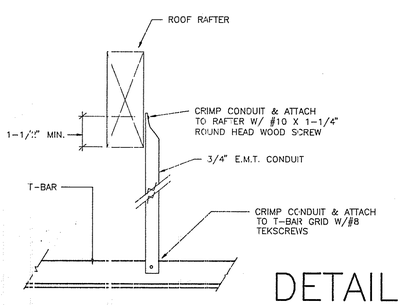

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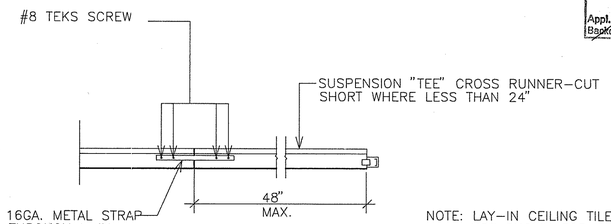

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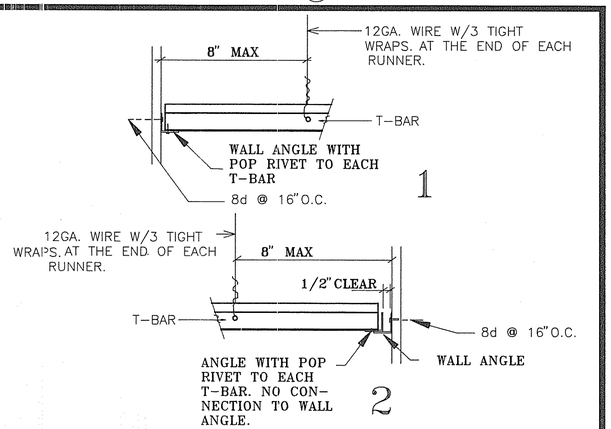

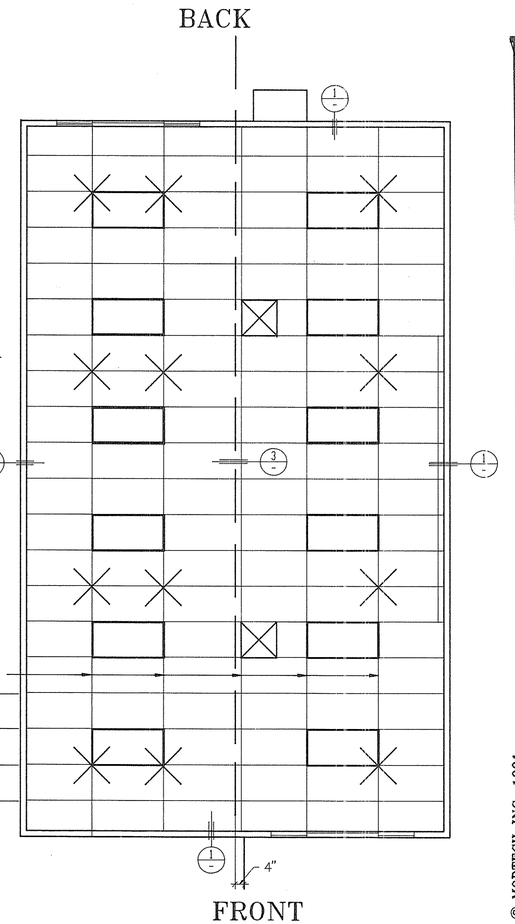

REFLECTED CEILING PLAN

SCALE: 1/4"=1'-0"

UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
APR 17 1991
Structural Safety Section
Appl. # 56032
Bankchecked By

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION PER W. JUD SCOTT
56032 APR 17 '91
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations.
Reviewed by

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DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

STRUCTURAL SAFETY
TITLE 24 & 1988 UBC
Department of General Services
Office of the State Architect
APR 12 1991
Structural Safety Section
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ACCESS COMPLIANCE
STATE ARCHITECT
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56032 APR 12 '91
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FIRE MARSHAL
APPROVED
FIRE AND PANIC CODE
APR 12 1991
STATE FIRE MARSHAL
SOUTHERN REGION

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O.L.A.

LICENSED ARCHITECT
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SAN FRANCISCO, CA 94108
(415) 421-0200 FAX 421-0202

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

GENERAL REQUIREMENTS

1. GENERAL

A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENTS APPLY TO THE SEVERAL TRADE SECTION WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.

B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS ONLY WITH WRITTEN APPROVAL OF THE LISTED BRAND NAMED OWNER, AND THE AGENCY ARCHITECT.

C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19, 21, AND 24, 1988 CCR, NO CHANGES SHALL BE MADE FROM O.S.A. APPROVED DRAWINGS OR SPECIFI-CATIONS WITHOUT PRIOR WRITTEN APPROVAL OF O.S.A. THE AGENCY ARCHITECT AND THE OWNER.

2. SCOPE OF WORK

A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT, AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.

B. ALL REQUIREMENTS OF TITLES 19, 21 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE OFFICE OF THE STATE ARCHITECT AND THE ARCHITECT. THE INSPECTOR SHALL BE RESPOSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION, WELDING, MECHANICAL AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE OWNER.
3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE OFFICE OF THE STATE ARCHITECT AND THE ARCHITECT AND RETAINED BY THE OWNER.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE 1988 T-24 CCR

3. WORK NOT INCLUDED.

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING, UNLESS INDICATED ON THE DRAWING.
B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING, STRIPS, WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
C. FIRE ALARM SYSTEM, FIRE EXTINGUISHER, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDI-CATED ON THE DRAWINGS.

4. ACCESSIBILITY OF SITE. THE SITE CONTRACTOR SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS, ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR.

GENERAL CONSTRUCTION.

A. STRUCTURAL FRAME. EACH MODULE IS DESIGNED AS A SHEAR WALL STRUCTURE TO WITHSTAND VERTICAL AND HORIZONTAL LOADS AND COMPLY WITH REQUIREMENTS OF THE OFFICE OF THE STATE ARCHITECT. THE NECESSARY PROVISIONS ARE INCORPORATED IN THE STRUCTURE TO PERMIT THE RELOCATION OF THE STRUCTURAL FRAME IN SECTIONS NOT EXCEEDING 12-FEET IN WIDTH

B. FLOOR THE FLOOR IS STEEL FRAMED WITH A DESIGN LIVE LOAD OF 50-lbs. PER SQUARE FOOT. RAMP AND LANDING FLOOR LOAD IS 100-lbs. PER SQUARE FOOT.

C. WATERLIGHTNESS. WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDINGS WILL BE WEATHERTIGHT AND WATERTIGHT.

6. MATERIALS AND WORKMANSHIP:

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIAL USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE AGENCY ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE OLA IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE STATE INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISER SHALL HAVE THE AUTHORITY TO HAVE MATERIAL REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

METAL ROOFING

SCOPE OF WORK. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. UNITED STATES TESTING COMPANY TEST REPORT LA 72140, CLASS "B".

MATERIALS;

A. ROOFING. 2-INCH STANDING SEAM 26-GAUGE GALVANIZED UNPENETRATED INTERLOCKING SHEETS STEEL PANELS 24" WIDE.
B. BASE SHEET. FIBERGLASS 25-30 POUND ASPHALT COATED.
C. EDGE FLASHING. 26 GAUGE GALVANIZED STEEL.

WORKMANSHIP.

BASE SHEET:- APPLY TO ROOF DECK SHINGLE FASHION WITH 2-INCH OVERLAP SEAMS. STAPLE TO DECK AT 12" ON CENTER AROUND PERIMETER AND AT 12" ON CENTER THROUGH OVERLAP SEAMS.

INSTALL 26-GAUGE EDGE FLASHING AT BOTTOM EDGE.

STARTER PANEL:- ONE PIECE FULL LENGTH FROM RIDGE TO EAVE. AT RIDGE CUT RIBS BACK 1.1/2 INCHES AND BEND UP END 1.1/2 INCHES (TYPICAL ALL ROOF PANELS), APPLY SEALANT TO CORNERS. ATTACH WITH 1.1/4 INCH X .080 INCH SCREW NAILS. AT EAVE, CUTBACK 1 INCH AND TIGHTLY CRIMP EDGE OVER EAVE FLASHING (TYPICAL ALL ROOF PANELS).

CONTINUE WITH ADDITIONAL PANELS, APPLY SEALANT TO RIB ENDS, USING HOLD-DOWN CLIPS ALONG EACH SEAM AND CRIMPING PANEL EDGES OVER PREVIOUS PANEL.

RUN A BEAD OF SEALANT ON BACK SIDE OF FOLDED UP PANELS AT RIDGE, BUTT RIDGE CHANNEL AGAINST SEALANT AND ATTACH CHANNEL TO RIBS WITH #10 X 3/4 INCH GALVANIZED SHEET METAL SCREWS.

INSTALL 26-GAUGE FLASHING OVER STANDING SEAM AT ENDS WITH #10 X 3/4 INCH GALVANIZED SHEET METAL SCREWS AT 24 INCHES ON CENTER.

INSTALL MODULE CLOSE-UP FLASHING AND MODULE CLOSE-UP CAP IN FIELD. FINAL INSTALLATION SHALL BE COMPLETELY WATERTIGHT.

FLASHING & SHEET METAL

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL. ALSO TO APPLY TO GUTTERS AND DOWN SPOUTS

2. MATERIALS:

A. SHEET METAL STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 oz PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A123. MINIMUM 26 GAUGE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

B. SOLDER. OF STANDARD BRAND, GRADE "A" OF EQUAL PARTS LEAD AND TIN ASTM B32.

C. FLUX: ZINC SATURATED MURIATIC ACID.

3. WORKMANSHIP. SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLUSHINGS INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACT-TION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHELENE TAPE.

SEALANT & CAULKING

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND SERVICES TO SEAL BUILDING.

2. MATERIALS: #200 SUPERIOR RUBBER CAULK (FED SPEC. TT-S-001657)

3. WORKMANSHIP: SEALANT APPLIED TO DRY; CLEAN SURFACE, WHEREVER INDICATED ON DRAWINGS AND AS NEEDED TO MAKE BUILDINGS WATERTIGHT, IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

INSULATION

1. FIBERGLASS BATTS, R-19 IN ROOF, R-11 IN WALLS & FLOORS. ALL INSULATION MATERIALS INCLUDING FACINGS, SUCH AS VAPOR BARRIERS OR BREATHER PAPERS INSTALLED WITHIN FLOOR CEILING ASSEMBLIES, WALLS, CRAWL SPACES OR ATTICS SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY RATING NOT TO EXCEED 450 WHEN TESSTED IN ACCORDANCE WITH U.B.C. STANDARD NO. 42-1.

METAL DOOR & FRAMES

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOOR AND FRAMES.

2. MATERIALS:

A. DOORS: TYPE L FULL FLUSH, MANUFACTURED BY STEELCRAFT MANUFACTURING COMPANY, 18-GA., 1.3/4" THICK W/SOUND DEADENING MATERIAL.
B. FRAMES: 16-GA., COLD ROLLED 2-INCH FACES. REINFORCED FOR ALL REQUIRED HARDWARE AND INCLUDE STRIKE BOXES & TO INCLUDE SOUND DEADNING MATERIAL.

3. WORKMANSHIP: ALL WORK FABRICATE IN SHOP PER CS242, TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT, FABRI-CATED ACCURATELY WITH SQUARE CORNERS HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS. AFTER FABRICATION, DOORS AND FRAMES CLEANED THOROUGHLY, ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

4. INSTALL 3 (MIN.) JAMB ANCHORS AND ADJUSTABLE FLOOR ANCHOR

FINISH HARDWARE

1. SCOPE OF WORK: CONTRACTOR SHALL SUPPLY FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.

2. SCHEDULE:

FOR EACH EXTERIOR DOOR-

BUTTS	1.1/2 pr.	HAGER	1191 BB 4.1/2 X 4.1/2 NRP 26D
LOCKSET	1	SCHLAGE	D-70-PD 26D 06 LEVER OLY.
CLOSER	1	NORTON	8500 D.A. OR EQUAL
THRESHOLD	1	PEMKO	271A
DOOR-BOTTOM	1	PEMKO	216AV
WEATHER STRIP	1	PEMKC	299D
DOORSTOP	QUALITY 44 OR EQUAL		

3. SPECIAL REQUIREMENTS.

A. EXIT DOOR SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
B. CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8 1/2 lbs. FOR EXTERIOR DOORS, 5lbs. FOR INTERIOR DOORS.
C. MASTER KEY TO EXISTING.

STRUCTURAL STEEL

1. GENERAL.
THE CONTRACT DOCUMENTS ARE FULLY A PART OF THIS SECTION.

2. SCOPE OF WORK.
COTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES REQUIRED FOR STRUCTURAL AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED ON THE DRAWINGS.

3. MATERIALS.

A. STRUCTURAL STEEL SHAPES, ASTM A-36, OPEN HEARTH OR ELECTRIC FURNACE ONLY, ALL REGULAR SHAPES AS DESCRIBE IN AISC CONSTRUCTION MANUAL, UNLESS NOTED OTHERWISE.
B. COLD-FORMED LIGHT GAUGE STEEL, ASTM A-570 GRADE 33, MINIMUM YIELD 33,000 PSI.
C. STRUCTURAL PIPE AND TUBING, ASTM A-501 GRADE B OR A-53 TYPE S GRADE B.
D. BOLT MATERIALS, BOLTS AND NUTS, AMERICAN STANDARD REGULAR, AS DETAILED IN AISC CONSTRUCTION MANUAL, FABRICATED FROM STRUCTURAL QUALITY STEEL, ASTM A-307
E. ARC-WELDING ELECTRODES, CLASS E-70 SERIES FOR WELDING A-36 & A501 STEEL TO A-36 AND E-60 SERIES FOR WELDING A570, STEEL TO A-36, CONFORMING REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF AMERICAN WELDING SOCIETY, LATEST EDITION.

4. WORKMANSHIP.

A. GENERAL, ALL WORK SHALL CONFORM TO REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLE 21 AND 24 OF THE CALIFORNIA CODE OF REGULATIONS 1988 AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF LIGHT GAUGE STEEL STRUCTURAL MEMBERS.
B. WELDING, ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FIUX CORED ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE OFFICE OF THE STATE ARCHITECT.
C. ERECTION, STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND WELDED AS INDICATED ON THE DRAWINGS.
D. BOLTS,NUTS,SCREWS,ETC. ALL EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
E. HANDRAILS FABRICATED AS DETAILED, WELDS GROUND SMOOTH.

F. SHOP PAINT.
1. ALL STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
2. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COAT.

G. TESTS.
1. PROVIDE MILL CERTIFICATES OR TEST THE FOLLOWING MEMBERS PER T24 CCR SEE T & I LIST ON SHEET 0
C 12 X 20.7, C 7 X 9.8, Z 7 X 11-GA.
2. WELDS SHALL BE INSPECTED AND OR TESTED PER . T24 CCR

CARPENTRY

1. SCOPE OF WORK. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.

2. MATERIALS.
LUMBER GRADE MARKED IN ACCORDANCE WITH STANDARD GRADING AND DRESSING RULES NO. 16" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR WESTERN LUMBER, 3rd EDITION" OF WESTERN WOOD PRODUCTS ASSOCIATION. PLYWOOD GRADE MARKED IN ACCORDANCE WITH "PRODUCT STANDARD PS 1-83 FOR SOFTWOOD PLYWOOD" OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH U.B.C. STANDARD 25-9. ALL FRAMING LUMBER SHALL BE MARKED MC-15 OR SURFACED DRY (S-DRY):

A. ROOF FRAMING

JOISTS	DOUGLAS FIR/LARCH NO. 2 OR BETTER.
BLOCKING	DOUGLAS FIR/LARCH NO. 3 OR BETTER HEMLOCK FIR NO. 3 OR BETTER.
PLYWOOD SHEATHING:	APA OR COMPARABLE RATING SHEATHING, EXP. 1. W/EXT. GLUE

B. WALL FRAMING

STUDS	DOUGLAS FIR/LARCH NO. 2 OR BETTER. MINIMUM 2 X 4 AT 16" O.C.
SILL (SOLE PLATE)	DOUGLAS FIR/LARCH NO. 2 OR BETTER
TOP PLATES	DOUGLAS FIR/LARCH NO. 2 OR BETTER.
DOUBLE HEADERS	DOUGLAS FIR/LARCH NO. 2 OR BETTER, MINIMUM 2-2X4 ON EDGE WITH 1/2" APA OR COMPARABLE RATED PLYWOOD, EXP. 1 FILLER.
DOOR AND WINDOW OPENINGS	DOUBLE STUD/CRIPPLES, DOUGLAS FIR/LARCH NO. 2 OR BETTER.
BLOCKING	DOUGLAS FIR/LARCH NO. 3 OR BETTER.

C. FLOOR FRAMING

PLYWOOD SHEATHING/ SUBFLOOR	APA OR COMPARABLE RATED STURD-I-FLOOR, 48" O.C., 1-1/8" THICK, T & G EXP. 1, OR SERIES C-101, C PLUGGED D, 48"O.C., 1-3/32" THICK, T & G, EXP. 1.

ALL WOOD STRUCTURAL MEMBERS BELOW THE SUBFLOOR, SHALL BE PRESSURE TREATED WITH AN APPROVED PROCESS AND PRESERVATIVE TO THE MAXIMUM POSSIBLE RETENTION BY FULL-CELL PROCESS OR TREATMENT TO REFUSAL. MARKINGS SHALL BE LEGIBLE ON EACH PRESSURE TREATED STRUCTURAL MEMBER OR CERTIFICATION OF TREATMENT MUST BE SUPPLIED FOR EACH BUNDLE.
ANY CONNECTORS CALLED OUT ON PLANS AS "SIMPSON" SHALL HAVE THE TERM "SIMPSON OR EQUAL" ATTACHED TO IT'S MEANING.

D. FOUNDATIONS

THE BUILDING SHALL BE SET ON PRESSURE TREATED DOUGLAS FIR 2 X SILL, AND SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING, "THE MATERIAL IN THIS UNIT WAS TREATED PER UNIFORM BUILDING CODE STANDARD SECTION 25-12". ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE STAMPED FOR "ABOVE GROUNT USE" OR "NOT FOR GROUND CONTACT" (LP2). EACH PIECE OF PRESSURE TREATED MATERIAL SHALL BE STAMPED WITH THE APPROPRIATE AWPB STAMP.

E. SIDING

MEDIUM DENSITY (M.D.O.) APA 303-0/L. SIMPSON "GUARDIAN OR EQUAL (BLOCKED DIAPHIRAGM)

SEAL ALL PANEL EDGES AND ENDS WITH A HEAVY COAT OF HIGH GRADE EXTERIOR HOUSE PRIMER OR AN ALUMINUM PRIMER FORMULATED FOR WOOD BEFORE INSTALLATION. ALL HORIZONTAL JOINTS IN SIDING AND BETWEEN SKIRTING AND SIDING INCLUDING JUNCTION OF SIDING TO FLOOR FRAME MUST BE FLUSH AND PROTECTED WITH A GALVANIZED IRON "Z" TYPE FLASHING. ALL VERTICAL SHIPLAPPED JOINTS SHALL HAVE 1/16" CLEARANCE BETWEEN PANELS. A 3d OR 4d GALVANIZED FINISH NAIL MAY BE USED AS A GAUGE BETWEEN PANELS. AND LEFT IN PLACE.

ALL PLYWOOD SIDING SHALL BE APA OR COMPARABLE RATED EXTERIOR TYPE. EACH PANEL SHALL BE IDENTIFIED WITH THE GRADE MARK OF THE GRADING ASSOCIATION AND SHALL MEET THE REQUIREMENTS OF PRODUCT STANDARDS PS 1-83. PLYWOOD SIDING SHALL BE 19/32" (MINIMUM) THICK WITH SHIPLAP AT LONG EDGES AND OF ONE OF THE FOLLWING STYLES: EMBOSSED SURFACE WITH V-GROOVE, GROOVED, EMBOSSED GROOVE, OR REVERSE BOARD AND BATTEN.

F. TRIM

ALL WINDOWS AND DOOR OPENINGS SHALL RECEIVE TRIM OF AT LEAST 1" X 4" SIZE THE ROOF EDGES SHALL RECEIVE AT LEAST 2" X 6" SIZE. THE TRIM SALL BE ROUGH OR RESAWN D SELECT D.F., H.F. OR SPRUCE. TRIM SHALL BE SEALED AT ALL EDGES WITH SILICONE OR ARCHITECTURAL GRADE CAULKING. CAULKING SHALL BE PAINTED TO MATCH SIDING OR TRIM COLOR UNLESS OF THE TRANSPARENT TYPE. AT ROOF EDGE ONLY, EMBOSSED WAFERBOARD SIDING WITH M.D.O. SURFACE, 7/16" THICK MIN. MAY BE USED IN LIEU OF 2X6

G. SKIRTING

SKIRTING SHALL BE THE SAME THICKNESS AND TYPE OF PLYWOOD USED FOR SIDING EXCEPT THAT PLAIN UNGROOVED MATERIAL SHALL BE USED WHERE THE LONG DIRECTION OF THE SHEET RUNS HORIZONTAL. IF GROOVED PLYWOOD IS USED FOR SKIRTING, THE GROOVES SHALL MATCH AND LINE UP WITH THE GROOVES IN THE SIDING. ALL EDGES AND THE BOTTOM OF THE SKIRTING SHALL BE SUPPORTED AND THE ENTIRE SPACE BELOW THE BUILDING SHALL BE CLOSED OFF. MAINTAIN 1-1/2" MINIMUM CLEARANCE FROM THE BOTTOM OF PLYWOOD SKIRTING TO FINISH GRADE. PROVIDE 18GA. EXPANDED GALVANIZED METAL FRESH AIR VENTS OR APPROVED VANDAL RESISTANT EQUAL TO COMPRISE A MINIMUM NET AREA OF 7.5 SQUARE FEET.

H. ROOF OVERHANG @ SOFFITS

ALL OVERHANGS SHALL PRESENT A PLEASING AND FINISHED APPEARANCE. SOFFITS SHALL BE ENCLOSED WITH NO VISIBLE FRAMING MEMBERS. SOFFIT MATERIAL SHALL BE 3/8" MIN. PLYWOOD OF THE SAME TYPE AS USED FOR SIDING. IF GROOVED MATERIAL IS TO BE USED, GROOVES SHALL MATCH THE GROOVES ON THE EXTERIOR SIDING. PLYWOOD SOFFIT MATERIAL SHALL BE APPLIED WITH LONG DIRECTION RUNNING PARALLEL TO THE LENGTH OF THE BUILDING. SOFFIT SHALL BE NEATLY AND CLOSELY FITTED AND TRIMMED TO COVER GAPS. ALL ENCLOSED SOFFIT AREAS SHALL BE VENTILATED PER THE U.B.C.

I. MOISTURE BARRIER:

KRAFT WATERPROOF BUILSING PAPER, U.B.C. STD. 17-1, APPLIED TO STUDS WEATHERBOARD FASHION, HORIZONTAL JOINTS LAPPED MIN. 2" VERTICAL JOINTS & CORNERS LAPPED MIN.6"

IN CASE OF CONFLICT BETWEEN MODTECH & O.L.A. SPECS, O.L.A. SPECS SHALL GOVERN

3. WORKMANSHIP

A. FRAMING SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE-TO-LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE.
B. NAILING IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS ALL NAILS TO BE BOX. NAILS EXPOSED TO WEATHER SHALL BE GALVANIZED PER UBC STD. 25-1717 (a).
MACHINE APPLIED NAILING SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY OSA FIELD REPRESENTATIVE AND THE ARCHITECT. PLYWOOD SHALL HAVE MINIMUM THICKNESS OF 3/8" AND NAILING SHALL BE DONE WITH PLYWOOD IN A HORIZONTAL POSITION. NAILING THAT FRACTURES PLYWOOD SURFACE OR MDO FACE IS NOT ACCEPTABLE. APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.

SECTION 16000 ELECTRICAL

1. GENERAL. THE CONTRACT DOCUMENTS ARE FULLY A PART OF THIS SECTION.

2. SCOPE OF WORK. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIP-MENT AND FIXTURES, IN OPERATING CONDITIONS READY FOR USE. THE WORK INCLUDES LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A.C. EQUIPMENT.

3. MATERIALS AND EQUIPMENT. ALL NEW COMPLYING WITH REQUIREMENTS OF NATIONAL ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION.

A. ELECTRIC METALLIC TUBING. COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED.
B. PANELBOARDS: FLUSH MONTED WITH HINGED LOCKABLE DOORS AND IN-DEXED CARD HOLDERS. LOCKS FURNISHED BY SCHOOL DISTRICT.
C. CONDUCTORS: COPPER, INSULATED FOR 600 VOLTS, TYPE TW FOR SIZED #12 TO #6, TYPE THW FOR LARGER SIZES.
D. RECEPTACLES: BRYANT OR EQUAL HOSPITAL GRADE 8200-1
E. CLOCK RECEPTACLE: EAGLE OR EQUAL CLOCK SETH THOMAS BR-10
F. SWITCHES: BRYANT 4901 OR EQUAL HEAVY DUTY GRADE
G. LIGHTING FIXTURES: EXTERIOR LIGHTS KENNEL 3714, LITHONIA 202 2/7PL LP OR EQUAL

LENS:	.125" THICK CLEAR PRISMATIC ONE PICE WITH NEOPRENE GASKET AND "POSIGRIP" TEMPERPROOF STAINLESS STEEL SCREWS.
LAMPS:	TWO (2) 7-WATT TT, 2700K° FLUORESCENT.
BALLAST:	120v. NPF REACTOR OR PREHEAT BALLAST.

INTERIOR LIGHT FIXTURE: CRESCENT 24TE440DLA WITH 4-34 WATT TUBES
1. SHALL INCORPORATE ENERGY EFFICIENT BALLAST AND 34 WATT TUBES.
2. OVERALL ILLUMINATION AT DESK LEVEL (30" ABOVE THE FLOOR) OF AN AVERAGE 50 FOOT CANDLES.
3. CLEAR ACRYLIC PRISMATIC LENS.
4. BUILT-IN REFLECTIOR HOUSING. MUST BE FULL LENGTH AND WIDTH OF THE FIXTURE.
5. NIGHT LIGHTING SHALL BE PROVIDED AT ALL EXITS.

H. WIRING:
ALL ELECTRICAL WIRING 110V AND GREATER SHALL BE IN CONDUIT SYSTEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF N.E.C. MINIMUM SIZE CONDUIT 1/2". ALL WIRING SHALL BE 75° CENTIGRADE OR CALCULATE DERATION FOR AMBIENT TEMPERATURE

ACCEPTABLE CONDUIT:

ELECTRICAL METALLIC TUBING (EMT); GALVANIZED THIN WALL
FLEX (INTERIOR); GALVANIZED STEEL
FLEX (EXTERIOR); GALVANIZED STEEL WITH FACTORY APPLIED P.V.C. JACKET

ALL CONDUITS SHALL BE CONTINUOUS FORM OUTLET TO OUTLET AND SHALL BE SECURED IN CONFORMANCE WITH T-24, PART 3. FIELD BENDS SHALL BE AVOIDED WHEREVER POSSIBLE. WHERE BENDS MUST BE MADE, USE AN APPROPRIATE "HICKEY" OR BENDING MACHINE. REAM AND DEBUR ALL CONDUIT PRIOR TO INSTALLATION AND TERMINATE IN APPROPRIATE BUSHINGS OR CONDUCTORS.

WIRING SHALL BE #14 MIN. COPPER TYPE TW,THW, THHN OR THWN AS APPLICABLE. CONDUIT FILL SHALL NOT EXCEED REQUIREMENTS OR T-24, PART 3. A SEPARATE GROUNDING CONDUCTOR SHALL BE PULLED THROUGHOUT THE ENTIRE SYSTEM. TAKE CARE TO AVOID DAMAGE TO WIRE OR INSULATION DURING PULL-IN. USE POWDERED SOAPSTONE OR A PULLING COMPOUND SUCH AS "YELLOW 77" LUBRICANT IF NECESSARY.

4. WORKMANSHIP. MATERIALS AND EQUIPMENT INSTALLED IN A SECURE NEAT, WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATER-TIGHT CONDITION.

FINAL SIZE CONNECTIONS BY SITE CONTRACTOR

WINDOWS

8040 ANODIZED ALUMINUM FRAME 5/8" MIN. DUAL PANE WINDOW. THE 5/8" DIMENSION IS THE MIN. THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LITES OF GLASS AND THE AIR SPACE. A THICKER SECTION MAY BE USED IF DESIRED.

WINDOW FRAME SHALL BE THE 50%, DOUBLE SLIDING SASH TYPE (XOX). GLAZING MATERIALS SHALL BE:

EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS-1 GLASS OF SOLAR GREY, GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 46% MAXIMUM.

INTERIOR LITE - 1/8" MINIMUM CLEAR TEMPERED.

MINIMUM AIR SPACE SHALL BE 1/4"

SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL.

SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OF SILICONE SECONDARY SEAL.

CERTIFICATION - ALL GLAZING TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774.

HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR PLYWOOD SURFACE. ALL WINDOWS SHALL MEET THE AAMA GS101-88 VOLUNTARY SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANSI), COMMERCIAL GRADE.

GENERAL NOTES AND SPECIFICATIONS

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FIRE MARSHAL
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FIRE AND PANIC OPEN
APR 12 1991
STATE FIRE MARSHAL
SOUTHERN REGION

No. 776
REGISTERED ARCHITECT
RICHARD HENRY MAGINN
NO. C 10149
STATE OF CALIFORNIA

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SECTION 09500.2 PAINTING

1. GENERAL. THE CONTRACT DOCUMENTS ARE FULL A PART OF THIS SECTION.

2. SCOPE OF WORK. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILIDING. ALL EXPOSED SURFACES OF BUILDING AND RAMP SHALL BE PAINTED EXCEPT ALUMINUN WINDOW FRAMES, THRESHOLDS AND PRE-FINISHED DOORS AND FRAMES.

3. MATERIALS OR EQUAL ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A DATED JULY 1989. NO ALTERNATES WILL BE ALLOWED.

EXTERIOR

REF BRAND DUNN EDWARDS

PRIMER 42-9W

FINISH W201-XX

TRIM

REF. BRAND DUNN EDWARDS

FINISH W901-XX

4. WORKMANSHIP.

A. EXTERIOR-WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX- APPLY ONE COAT OF PRIMER AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCRDING TO MANUFACTURER'S RECOMMENDATION. PRIME COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY. AS SHOWN IN THE END OF THIS SECTION

B. INTERIOR TRIM - ALL TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.

C. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COAT OF ALKYD FINISH COAT OVER RED LEAD, ZINC CROMATE, OR COMPARABLE RUST INHIBITING PRIMER.

METAL:	ITEM CODE	DUNN EDWARDS
ALKYD PRIMER	8010-009--1007-4(RED)	43-4

ALKYD FINISH COATS 8010-009-1033-5(COLORS) QD-60-XX

SITE ASSEMBLY

SECTION 13000

1. GENERAL THE CONTRACT DOCUMENTS ARE FULLY A PART OF THIS SECTION.

2. SCOPE OF WORK.

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.

ARCHITECT SHALL PROVIDE ALL INFORMATION NECESSARY FOR DISTRICT TO ACHIEVE APPROPRIATE SITE REQUIREMENTS SUCH AS DRAINAGE, SOIL BEARING CAPACITY ETC. MANUFACTURER IS RESPONSIBLE FOR ONLY THE WORK SHOW ON THE APPROVED DRAWINGS

3. ASSEMBLY OF ELEMENTS.

A. IN A LOCATION ON THE SITE AS DETERMINED BY THE ARCHITECT, THE CONTRACTOR SHALL PLACE CONCRETE LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLE AND TRANSFERRED TO THE PERPARED SITE . GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED.
D. THE SITE WILL BE CLEARED AND GRADED TO WITHIN 9" OF LEVEL GRADE FOR EACH BUILDING. EACH SITE WILL HAVE A MINIMUM SOIL BEARING CAPACITY OF 1000 PER SQUARE FOOT.
E. INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE AGENCY ARCHITECT AND THE OSA. PADS SHALL BE DESIGNED FOR A MINIMUM OF 1000 PSF LOAD ON THE SOIL PADS SHALL NOT BE PLACED ON TURF.

4 ERECTION AT THE SITE

ONCE DELIVERY OF MODULES ON SITE IS MADE, INSTALLATION SHALL COMMENCE IMMEDIATELY AND BE PURSUED IN A TIMELY MANNER UNTIL COMPLETE. ALL MODULES CALLED FOR AT THAT SITE SHALL BE SCHEDULED FOR DELIVERY AND INSTALLATION IN ONE CONTINUOUS TIME FRAME, AT LEAST TWO PER WEEK (SATURDAYS, SUNDAYS AND HOLIDAYS EXCEPTED). FAILURE TO BEGIN INSTALLATION WITHIN 24 HOURS AFTER DELIVERY (SATURDAYS, SUNDAYS AND HOLIDAYS EXCEPTED) OR FAILURE TO COMPLETE BUILDING INSTALLATION TO THE APPROVAL OF THE STATE WITHIN TEN (10) CALENDER DAYS AFTER BUILDING DELIVERY SHALL BE CONSIDERED AS A BREACH OR DEFAULT OF THE CONTRACT AND THE STATE MAY INVOKE PARAGRAPH 13 OF THE GENERAL PROVISIONS.

SECTION 15000 AIR CONDITIONING

1. GENERAL. THE CONTRACT DOCUMENTS ARE FULLY A PART OF THIS SECTION.

2. SCOPE OF WORK. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED INCLUDING A.C. UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNERS/OPERATORS ON OPERATION AND MAINTENANCE OF A.C. SYSTEM. MANUFACTURER'S LITERATURE, INSTRUCTIONS AND GUARANTEES SHALL BE DELIVERED TO SCHOOL OFFICE.

3. EQUIPMENT. AIR CONDITIONING UNITS AS NOTED ON DRAWINGS. ALL UNITS SHALL INCORPORATE AN EXTERIOR FACTORY MOUNTED THERMOSTAT TO SENSE THE OUTSIDE AMBIENT TEMPERATURE AND STAGE THE ELECTRIC HEAT CONTROLLERS. THE CIRCUITRY SHALL PROHIBIT THE SUPPLEMENTAL ELECTRIC HEAT STRIPS FROM OPERATING SIMULTANEOUSLY WITH THE HEAT PUMP COMPRESSOR. THE THERMOSTAT SHALL BE FACTORY PRESET AT 25° F. AND ADJUSTED TO THE THERMAL BALANCE POINT OF THE STRUCTURE TO ALLOW THE HEAT STRIPS TO OPERATE ONLY BELOW THAT SETTING. IF THE OUTDOOR TEMPERATURE IS ABOVE THIS POINT THE HEAT PUMP SHALL OPERATE AND THE ELECTRIC HEAT STRIPS SHALL BE LOCKED OUT.

AT ELEVATIONS WHERE THE HVAC HEAT PUMP NOTED ABOVE IS NOT ADEQUATE TO MEET THE LISTED CRITERIA, THE CONTRACTOR SHALL PROVIDE A HVAC HEAT PUMP THAT WILL MEET THE GEOGRAPHIC REQUIREMENTS.

NOTES:

(1) CALCULATIONS SHALL BE BASED ON AN OCCUPANCY OF THIRTY (30) PUPILS AND AN INTERIOR SPACE OF APPROXIMATELY 9,000 CUBIC FEET, THE MACHANICAL VENTILATION SYSTEM SHALL PROVIDE APPROXIMATELY 15 CUBIC FEET OF FRESH AIR PER MINUTE PER PUPIL AND A TOTAL OF 45 CUBIC FEET OF AIR PER MINUTE PER PUPIL.

(2) THIS SIZE BUILDING IS EXEMPT FROM THE REQUIREMENTS PERTAINING TO HVAC EQUIPMENT IN THE CITATION, PARAGRAPH 3.3.26.

(3) MANUFACTURER'S LITERATURE, OPERATING INSTRUCTIONS AND GUARANTEE SHALL BE DELIVERED TO THE SCHOOL OFFICE AT THE TIME THE BUILDING IS DELIVERED

(4) THE UNIT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS WITH PERTICULAR ATTENTION TO REQUIRED FLASHING.

A. THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78°F. IN SUMMER AND 68°F. IN WINTER WITH A 45% RELATIVE HUMIDITY WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100°F. IN SUMMER AND 10°F. IN WINTER AND A WET BULB TEMPERATURE OF 72°F. (AVERAGE).

B THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERTURES WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE-THIRD AIR.

DUCTWORK:

A NON-METALLIC DUCTWORK: IN ACCESSIBLE CONCEALED PORTIONS OF DUCT SYSTEMS RIGID 1" FIBERGLASS OR INSULATED "FLEXDUCT" WITH VAPOR BARRIOR MAY BE SUBSTITUTED FOR SHEET METAL DUCTWORK. ALL DUCTWORK WITHIN 3" OF THE HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE METAL. DUCTWORK AND REINFORCEMENT SHALL BE DESIGNED FOR 2" STATIC PRESSURE. REFRENCE BRANDS: "OWENS-CORNING FIBERGLASS" DUCT BOARD, 1" THICK, AND "MANVILLE" MICRO-AIRE, TYPE 475. NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND 90-B AND SMACNA CLASS 1 RATING.

4. WORKMANSHIP. UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

CHALKBOARD SPECIFICATIONS

CHALKBOARDS SHALL BE 5 MIL THICK MELAMINE FACING SHEET SUITABLE TO ACCEPT DRY ERASE FELT MARKERS. THE FACING SHEET SHALL BE LAMINATED, USING A HOT MELT ADHESIVE, TO A MEDIUM DENSITY PARTICLEBOARD SUBSTRATE WITH A MINIMUM DESITY OF 45#/C. ft. THE PANEL SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRUDED ALUMINUM MOLDING AND CHALKRAIL WITH A MINIMUM OF 2-15/16" PROJECTION FROM THE FACE OF THE PANEL. A FULL LENGHT MAP RAIL AND PROVIDED WITH CORK INSERT AND END STOPS. THE MAP RAIL AND CHALKRAIL ARE TO INCORPORATE A CHANNEL TO WRAP AROUND THE PANEL. THREE (3) MAP HOOKS, WITH CLIPS, PER PANEL SHALL BE PROVIDED. ONE FLAG HOLDER, 1/2" SIZE, SHALL BE PROVIDED FOR EACH CLASSROOM. EACH CLASSROOM SHALL BE 2 EA. 4 X 8 PANELS INSTALLED SIDE BY SIDE TO MAKE A 4 X 16 PANEL, CENTERED ON ONE OF THE LONG WALLS. REFERENCE BRAND: CHATFIELD CLARKE CO. SERIES 500.

INTERIOR WALLS

ALL INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD APPLIED IN ONE CONTINUOUS LENGHT FROM FLOOR TO CEILING. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR 3/8" PLYWOOD SHEATHING. THE VINYL COATING SHALL WEIGH A MINIMUM OF 8oz. PER SQUARE YARD. THE VINYL WALL COVERED PANEL SHALL HAVE A CLASS III FLAME SPREAD RATING. THE PANEL SHALL BE APPROVED FOR CLASSROOM USE BY THE OFFICE OF THE STATE FIRE MARSHAL. REFERENCE BRAND: VINYL COVERED TACKBOARD AS MANUFACTURED BY DOMTAR GYPSUM AMERICA, INC. OR CHATFIELD-CLARK. CARE SHALL BE TAKEN IN MOUNTING THE TACKBOARD SO THAT THE TEXTURE OF ALL PANELS WILL HAVE THE SAME ORIENTATION AND COLOR MATCH.

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SOUTHERN REGION

REGISTERED PROFESSIONAL ENGINEER
EDWARD LINDSAY
No. 776
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 12-31-92

LICENSED ARCHITECT
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REN.
STATE OF CALIFORNIA

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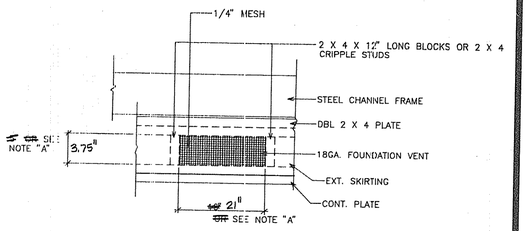
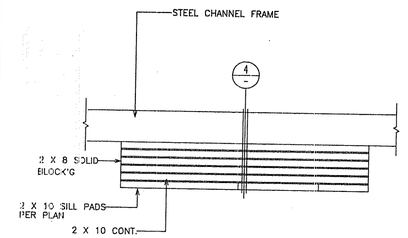
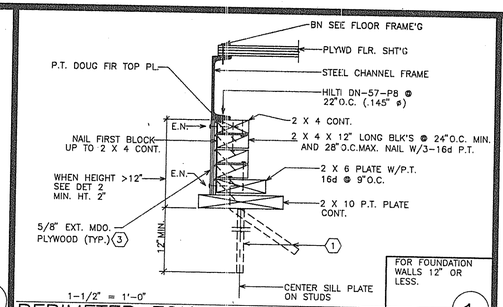


FOUNDATION VENT 8



PAD FOUNDATION 6

3/4" = 1'-0"



PERIMETER FOUNDATION @ SIDE WALL 1

1-1/2" = 1'-0"

NOTES:

1. SOIL RESTRAINT:
   ON SOIL 1"O.D. GALVANIZED PIPE @ 10'-0" WITH 12" PENETRATION BELOW SURFACE VERTICALLY. DRILL SILL 1-1/4"MAX. PIPE MAY BE DRIVEN MAX. OF 45° ANGLE TO VERTICAL. (18-1/2" LONG PIPE REQUIRED FOR PENETRATION @ 45° ANGLE.)

   ON A.C. PAVING 1" GALVANIZED PIPE @ 10'-0"O.C. OR DRIVE 20d COMMON NAILS THRU SILL PLATE AT 32" O.C. DRILL SILL 1-1/4" MAX.

   ON CONCRETE PAVING HILTI DS 82-P10 THRU SILL PLATE:
   END WALLS: 4"O.C.
   SIDE WALLS: 22"O.C.

2. WHERE SHIM STOCK IS REQUIRED FOR LEVELING USE 1/4", 1/2", OR 3/4" THICK PLYWOOD SAME WIDTH AS BLOCK. P.T.

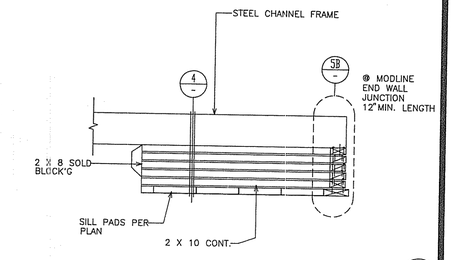
3. SKIRTING NAILING: 8d AT 4"O.C. EDGES, 12"O.C. FIELD. BLOCK ALL EDGES 5/8" EXT. GRD. PLYWOOD (TYP.) MDO

4. VERIFY DRAINAGE TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. WITH DISTRICT ARCHITECT SITE PLANS.

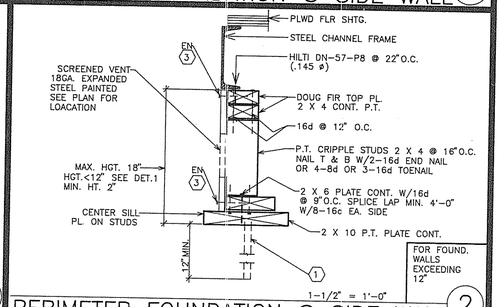
5. THRESHOLD OF DOOR TO BE NO MORE THAN 12" ABOVE FINISH GRADE FOR A 12'-0" RAMP. ARCTITECT MUST TAKE INTO ACCOUNT THE SLOPE OF THIER PARTICULAR SITE TO ACHIEVE THE ADQUATE VENTING AND MAINTAIN THE THRESHOLD OF THE DOOR AT 12" ABOVE FINISH GRADE.

6. ALL FOUNDATION MATERIAL SHALL BE PRESSURE TREATED D.F.
   GROUND CONTACT: LP-22
   ABOVE GROUND: LP-2

NOTE "A"
AS REQUIRED TO ACHIEVE THE REQUIRED 7.5 SQ FT. OF VENTILATION . LOCATION OF VENT SHOWN ON PLANS MAY NOT BE ACCURATE DUE SITE CONDITIONS (SLOPE ETC.)

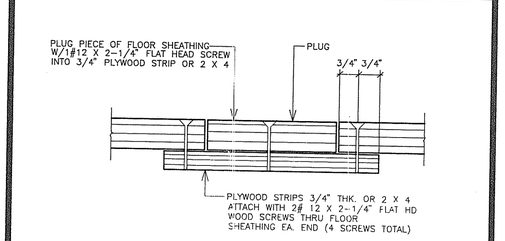


PAD FOUNDATION 7

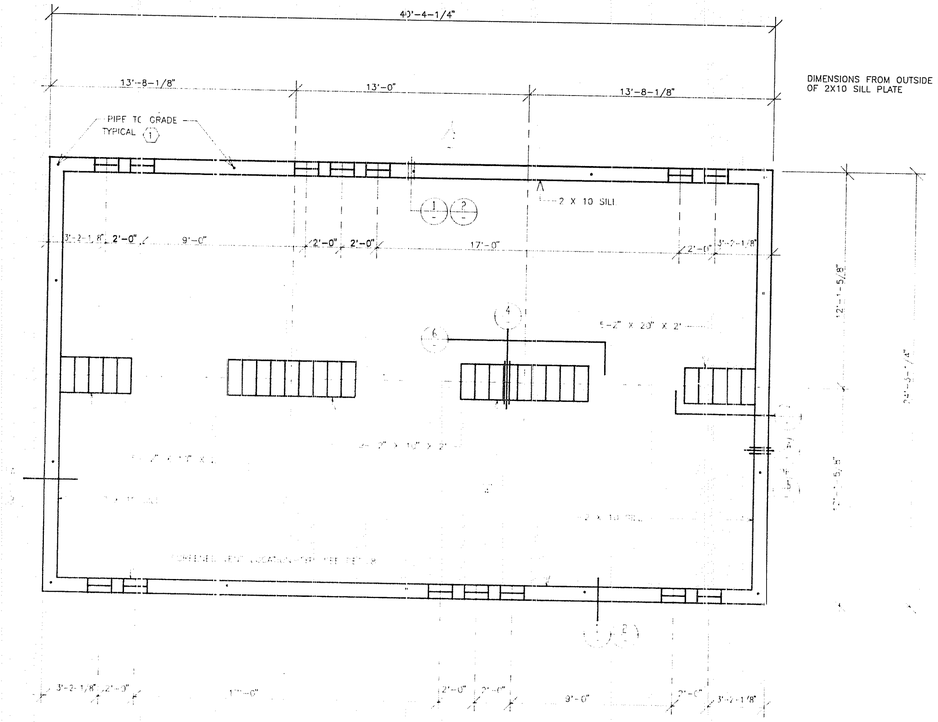


PERIMETER FOUNDATION @ SIDE WALL 2

1-1/2" = 1'-0"



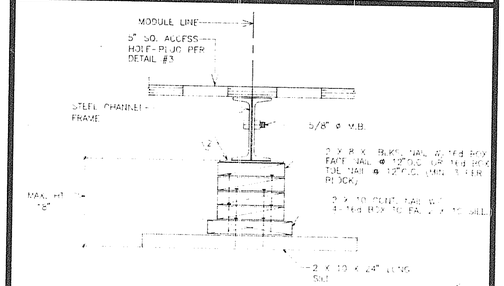
FILLER @ ACCESS HOLE 3



DIMENSIONS FROM OUTSIDE FACE OF 2X10 SILL PLATE

WOOD FOUNDATION PLAN

DESIGN ALLOWABLE FOUNDATION PRESSURE: 1000 PSF
REQUIRED VENTING: 7.5 SQ. F.
FLOOR LIVE LOAD: 50 PSF



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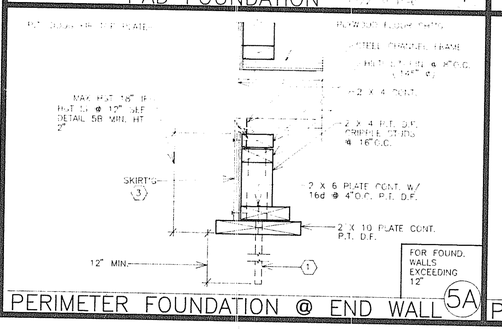
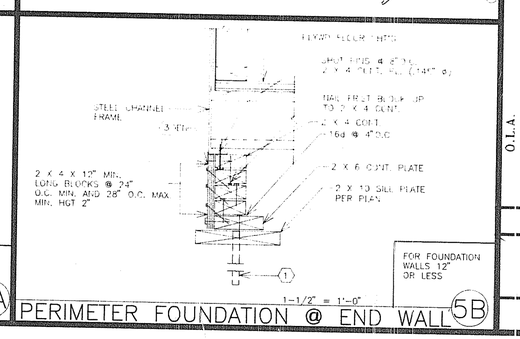


PERIMETER FOUNDATION @ END WALL 5A



PERIMETER FOUNDATION @ END WALL 5B

1-1/2" = 1'-0"

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(209) 527-0200

LICENSED ARCHITECT
REGISTERED EUROPEAN ARCHITECT
No. C 10148
RENEWAL 08/31/92
STATE OF CALIFORNIA

7.0

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

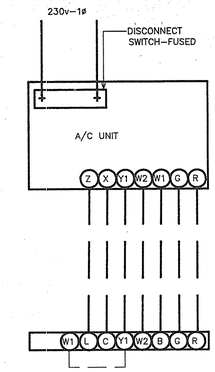
EQUIPMENT SCHEDULE

HP SINGLE PACKAGE WALL–MOUNTED
AIR TO AIR ELECTRIC HEAT PUMP

BRANDS FOR REFERENCE ONLY
INTERTHERM PWY–042KAVX08,
MARVAIR AVP 42–HPA–08S
BARD 4S WH1–A08CD004

ELECTRICAL DATA: NOMINAL
208/230–1PH–60CY
MAX. F.L.A. COOLING=28.0 AMPS.
MAX. F.L.A. HEATING=36.4 AMPS. (@240V)

* CIRCUITRY PROHIBITS SIMULTANEOUS OPERATION OF COMPRESSOR AND ELECTRIC HEATER.



T – THERMOSTAT: HONEYWELL T7300 OR WHITE–RODGERS 1F92. W/CLEAR LOCKING GUARD W/ACCES HOLE FOR PROGRAM OVERRIDE.

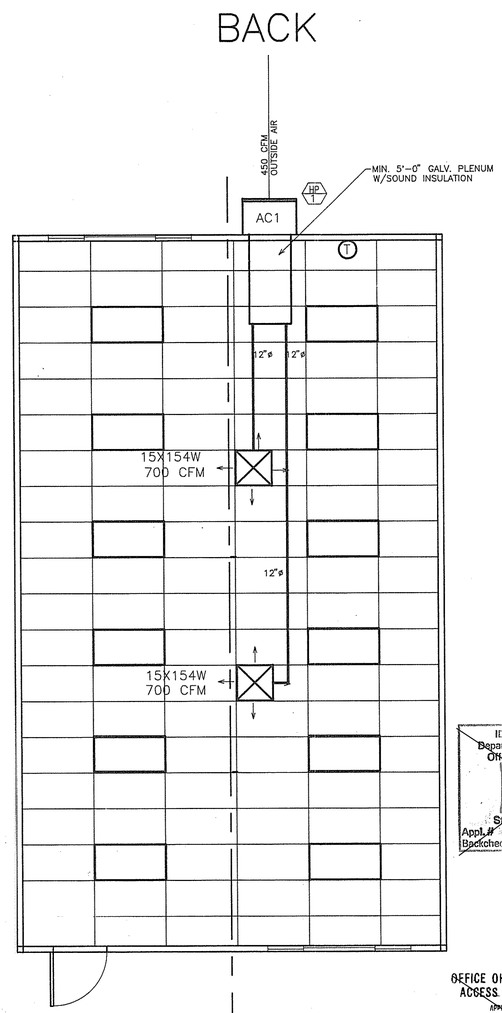
CONTROL SCHEMATIC

ALL MECHANICAL EQUIP. SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

FIXED EQUIPMENT ON GRADE	22% OF OPERATING WEIGHT
FIXED EQUIPMENT ON STRUCTURE	33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIP. ON GRADE	33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIP. ON STRUCT.	50% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 2 X THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE–USE 1/3 X HORIZONTAL FORCE.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON ON DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER & THE FIELD REPRESENTATIVE OF O.S.A.



UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND

AIR CONDITIONING PLAN

SCALE: 1/4" = 1'

IDENTIFICATION STAMP
Department of General Services
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Appl.# 56032
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OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION PER W. AUD 8867
56032 APR 17 '91
APPROVAL of this plan does not authorize or approve any omission or deviation from applicable regulations.
Reviewed by

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: 4/17/91

STRUCTURAL SAFETY
TITLE 24 & 1988 UBC
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Department of General Services
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APR 12 1991
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Appl.# A 56013
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OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
56013 APR 12 '91
FIRE MARSHAL
APPROVED
FIRE AND PANIC OFFICE
APR 12 1991
STATE FIRE MARSHAL
SOUTHERN REGION

REGISTERED PROFESSIONAL ENGINEER
GERARD UNDERWOOD
No. 776
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 12-31-92

LICENSED ARCHITECT
RICHARD HENRY KASHIWA
No. C 10143
REN.
STATE OF CALIFORNIA

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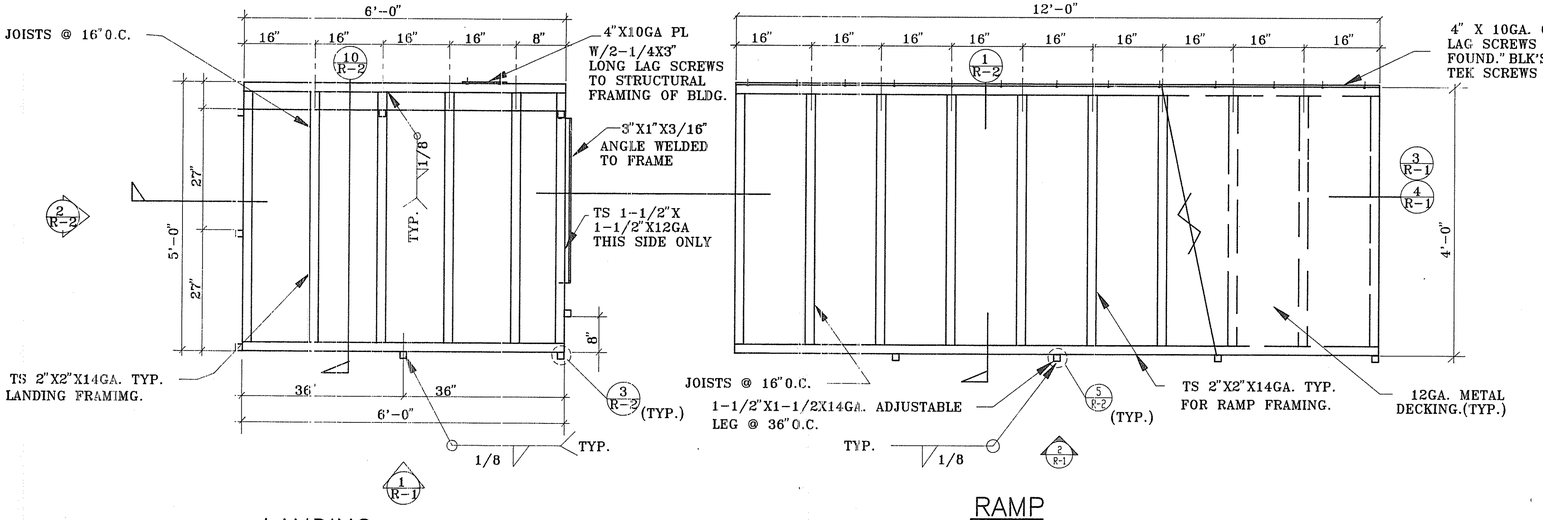
manginí associates
ARCHITECTURE & PLANNING
220 MONTGOMERY STREET
SUITE 1000
SAN FRANCISCO, CA 94104
(415) 362-4429
FAX: 362-4429

M–1



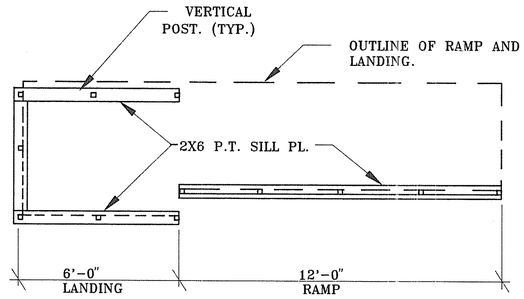
LANDING

RAMP

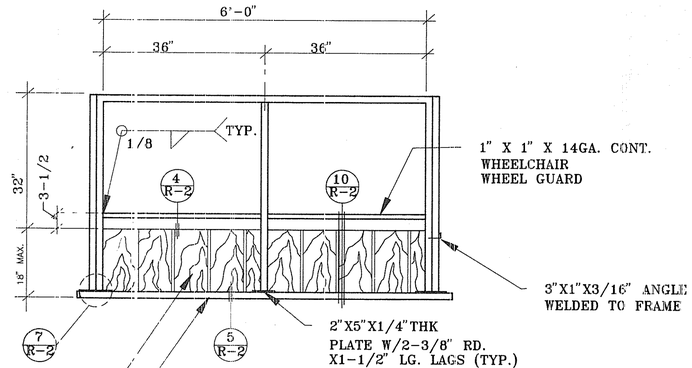
NOTE

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP @ 32"
3. LANDING AND RAMP TO HAVE NON SLIP SURFACE AMCOE GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)
4. PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/#8 CU-TO BOTH GROUND LUGS.

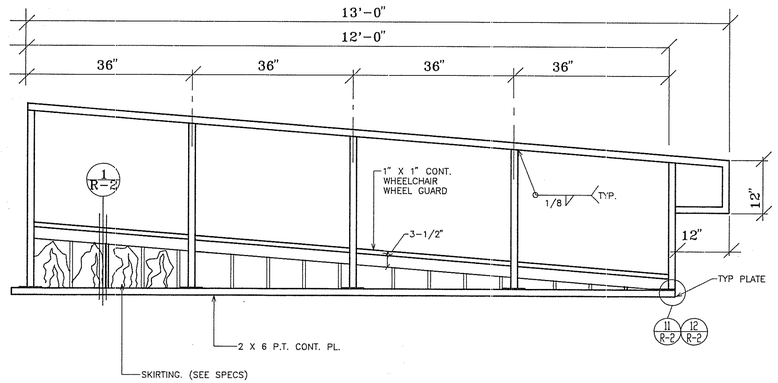
DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26" THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12 ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 12'-0" AT A SLOPE OF 1:12 THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS MODTECH, INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET R-1.



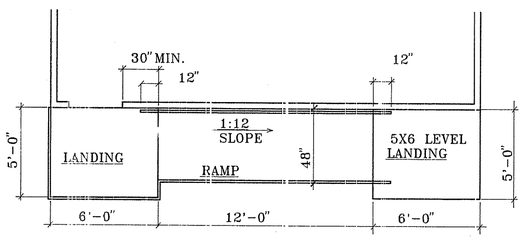
SILL PLAN FOR RAMP AND LANDING



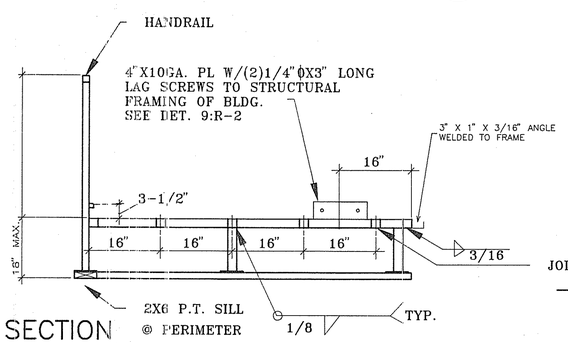
1 LANDING ELEVATION



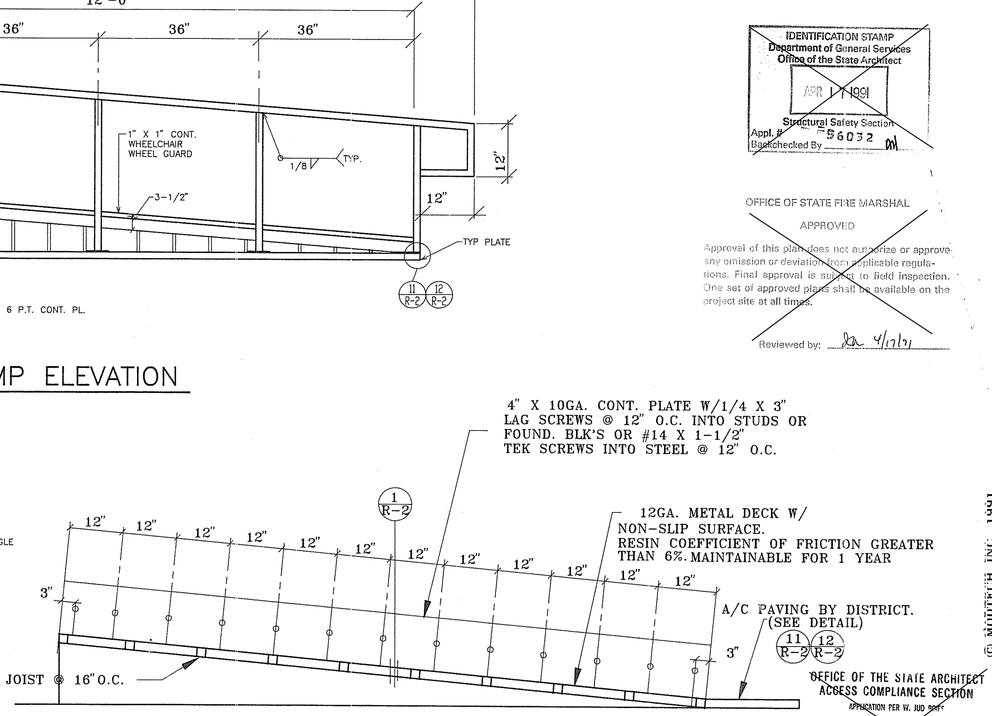
2 RAMP ELEVATION



RAMP PLAN @ BLDG.



3 LANDING SECTION



4 RAMP SECTION

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APPLICATION PER W. IUD 5007
56032 APR 17 '91
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ACCESS COMPLIANCE
56013 APR 12 '91

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EDWARD URIARTE
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STATE OF CALIFORNIA
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RICHARD HENRY ARENDT
No. C 10148
REN. 12-31-92
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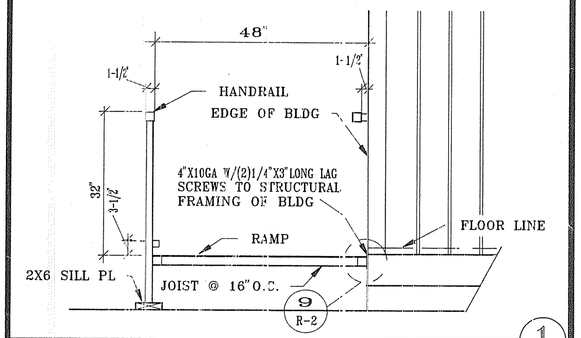
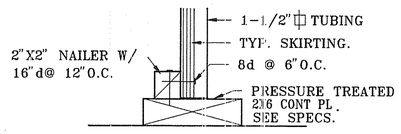
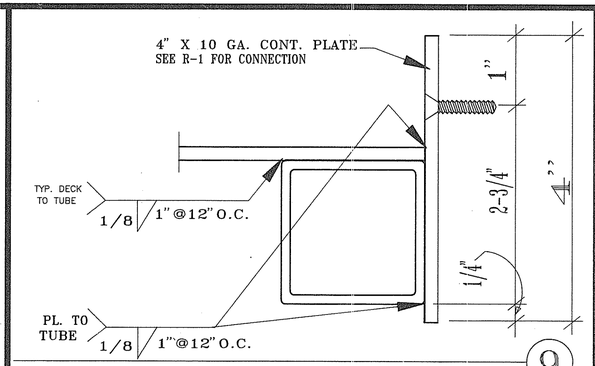


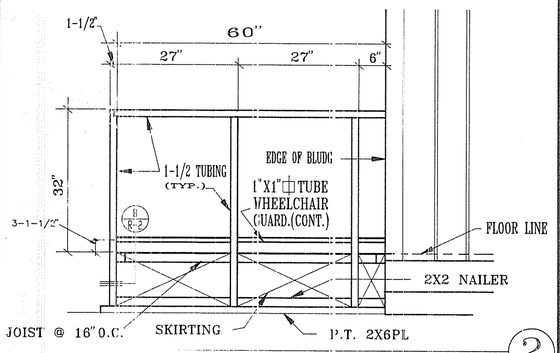
SECTION @ RAMP — SCALE: 3/4"=1' — 1



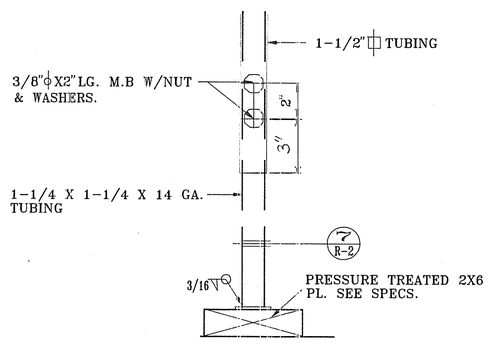
SKIRTING @ SILL PLATE — SCALE: 3"=1' — 5



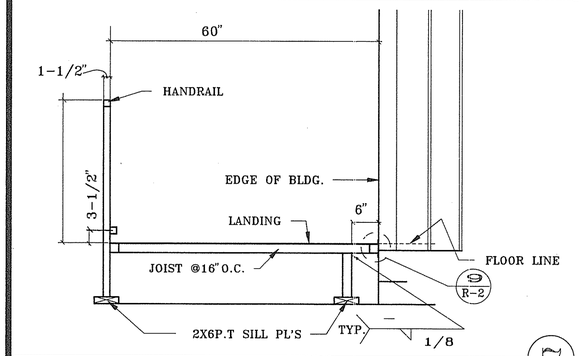
SECTION @ PLATE — SCALE: FULL — 9



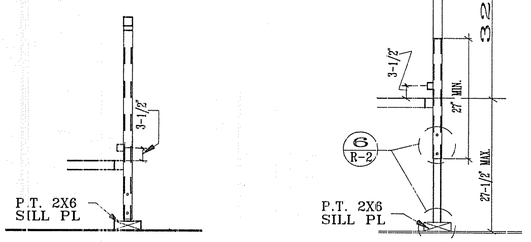
END ELEVATION — SCALE: 3/4"=1' — 2



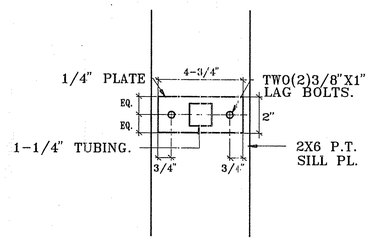
ADJUSTABLE LEG — SCALE: 3"=1' — 6



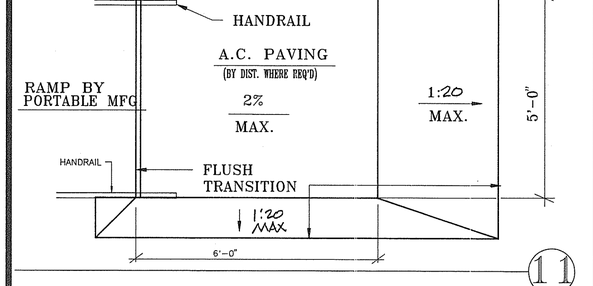
SECTION @ LANDING — SCALE: 3/4"=1' — 7



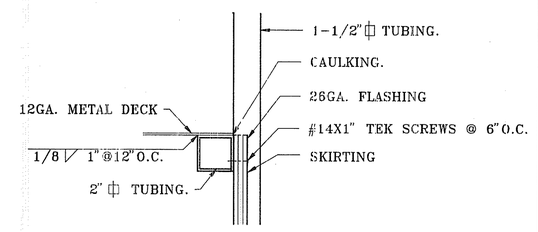
ADJUSTABLE LEG — SCALE: 3/4"=1' — 3



BASE PLATE — SCALE: 3"=1' — 7



RAMP TRANSITION — SCALE: 1/2"=1' — 11



SKIRT FLASHING — SCALE: 3"=1' — 4

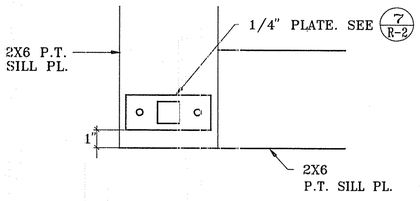
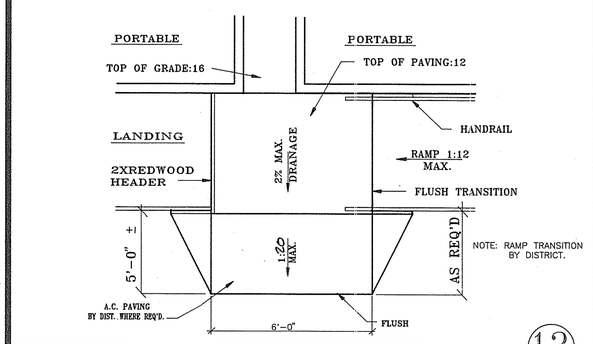


PLATE @ CORNER — SCALE: 3"=1' — 8



RAMP TRANSITION — SCALE: 3/8"=1' — 12

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APP: 02-123247 INC:
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DATE: 11/04/2025

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
APPROVED
FIRE AND PANIC CODE
APR 17 1991
Structural Safety Section
Appl.# 56032
Backchecked By

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APPROVED
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ACCESS COMPLIANCE SECTION
APPLICATION PER W. HUD DOH
56032 APR 17 '91
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SOUTHERN REGION

EDWARD LINDARO
No. 776
REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 12-31-92

RICHARD HENRY MANGINI
No. 10148
LICENSED ARCHITECT
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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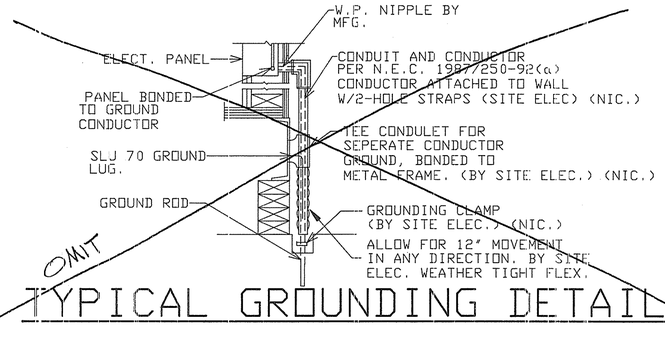
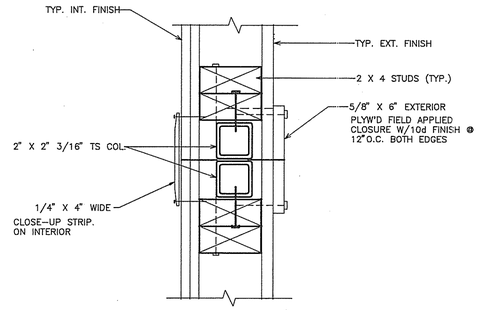
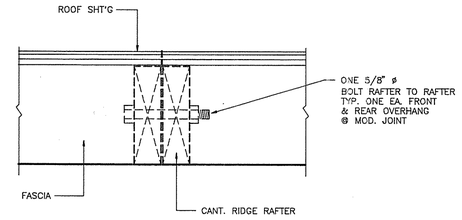
R-2



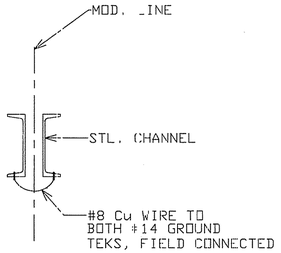
1 TYPICAL GROUNDING DETAIL



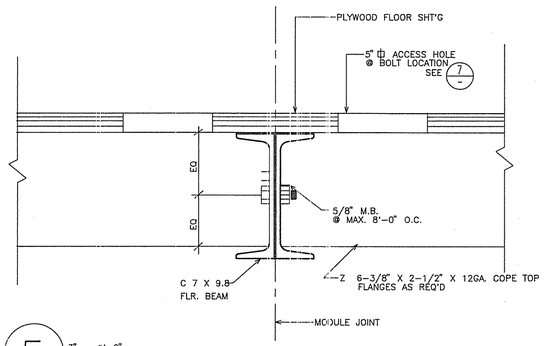
8 CLOSURE @ MOD LINE



9 MODULE CONNECTION @ OVERHANG



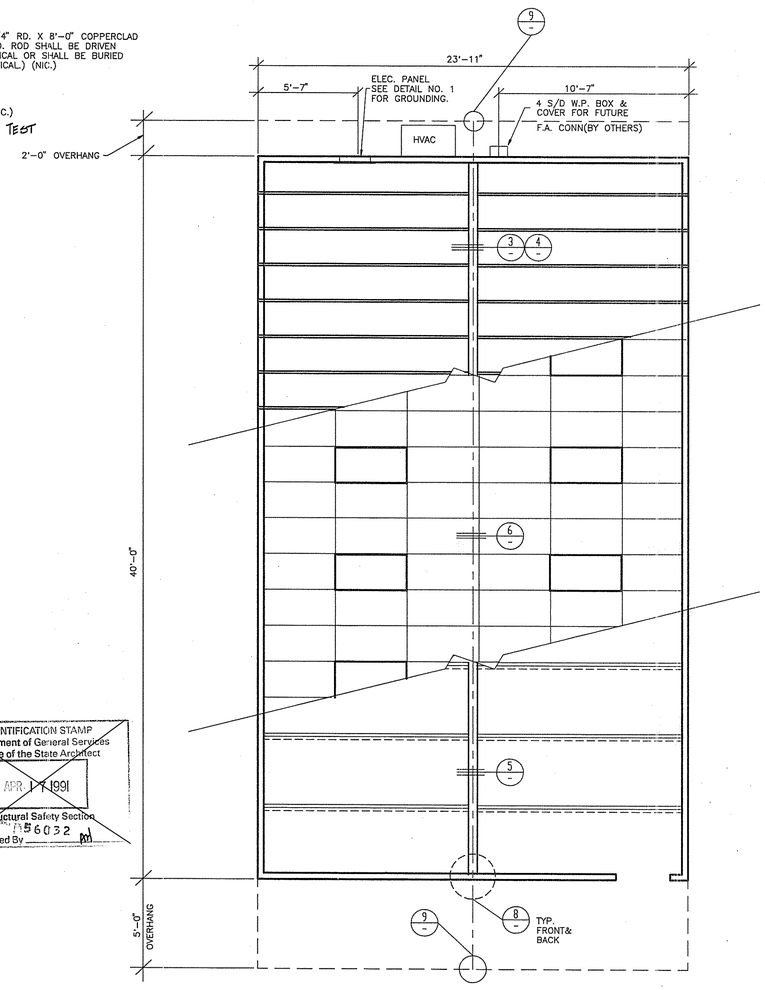
2 JUMPER @ MOD. LINE



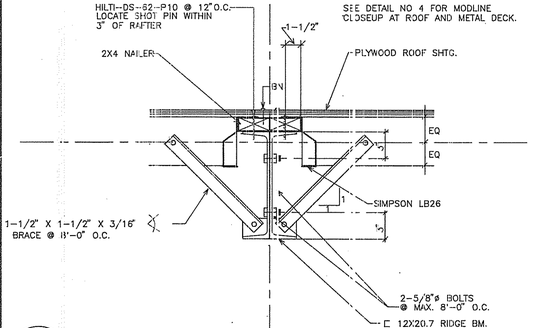
5 FLOOR FRAME @ MODLINE JOINT 3" = 1'-0"

NOTES

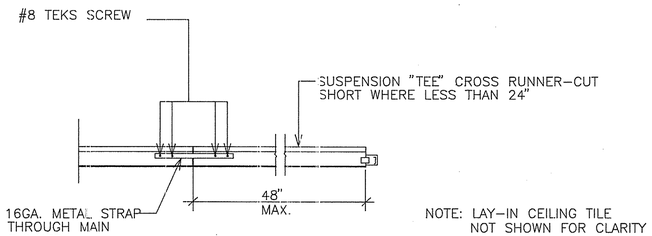
1. EACH BUILDING SHALL BE SEPARETLY GROUNDED WITH A 3/4" RD. X 8'-0" COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP. (BY SITE ELECTRICAL) (NIC.)
2. TESTING: TEST FOR RESISTANCE TO GROUND IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPERATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL) (N.I.C.)
3. FIELD INSPECTOR SHALL WITNESS GROUNDING TEST



TYPICAL CLASSROOM

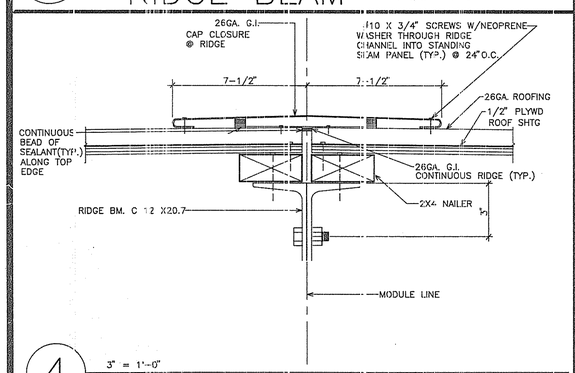


3 RIDGE BEAM 1-1/2" = 1'-0"

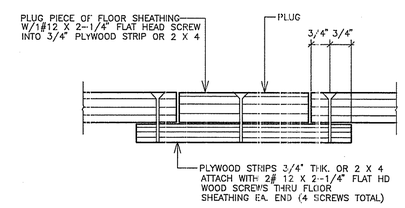


NOTE: LAY-IN CEILING TILE NOT SHOWN FOR CLARITY

6 GRID AT MOD LINE



4 ROOFING AT MODULE LINE 3" = 1'-0"



7 FILLER @ ACCESS HOLE

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Department of General Services
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APR 17 1991
Structural Safety Section
Appl.# 56032
Backchecked By

OFFICE OF STATE FIRE MARSHAL
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FIRE MARSHAL
APPROVED
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SOUTHERN REGION

REGISTERED PROFESSIONAL ENGINEER EDWARD LINDSEY No. 776 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 12-31-92

LICENSED ARCHITECT RICHARD HENRY MANGINI No. 10148 STATE OF CALIFORNIA

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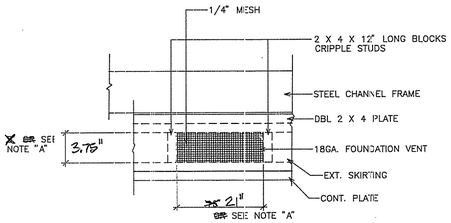
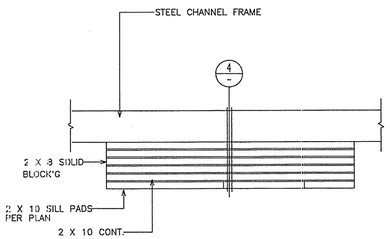
mangini associates
ARCHITECTURE • PLANNING • INTERIORS
1000 MAIN STREET VACAVILLE, CA 95688
(707) 447-2000 FAX (707) 447-2020

1

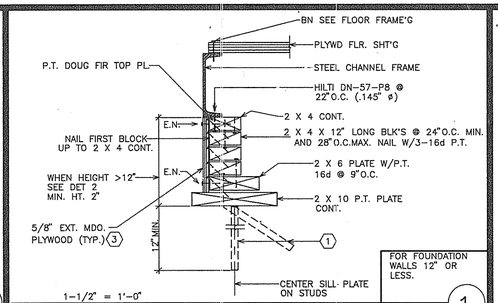


FOUNDATION VENT 8



3/4" = 1'-0"

PAD FOUNDATION 6



1-1/2" = 1'-0"

PERIMETER FOUNDATION @ SIDE WALL 1

NOTES:

1. SOIL RESTRAINT:
   ON SOIL 1"O.D. GALVANIZED PIPE @ 10'-0" WITH 12" PENETRATION BELOW SURFACE VERTICALLY. DRILL SILL 1-1/4"MAX. PIPE MAY BE DRIVEN MAX. OF 45° ANGLE TO VERTICAL. (18-1/2" LONG PIPE REQIRED FOR PENETRATION @ 45° ANGLE.)

   ON A.C. PAVING 1" GALVANIZED PIPE @ 10'-0"O.C. OR DRIVE 20d COMMON NAILS THRU SILL PLATE AT 32" O.C. DRILL SILL 1-1/4" MAX.

   ON CONCRETE PAVING HILTI DS B2-P10 THRU SILL PLATE:
   END WALLS: 4"O.C.
   SIDE WALLS: 22"O.C.

2. WHERE SHIM STOCK IS REQUIRED FOR LEVELING USE 1/4", 1/2", OR 3/4" THICK PLYWOOD SAME WIDTH AS BLOCK. P.T.

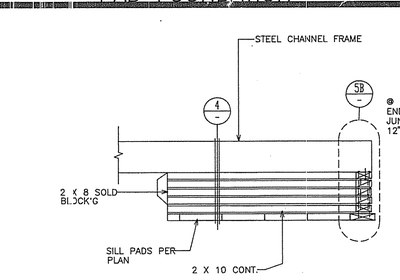
3. SKIRTING NAILING: 8d AT 4"O.C. EDGES, 12"O.C. FIELD. BLOCK ALL EDGES 5/8" EXT. GRD. PLYWOOD (TYP.) MDO

4. VERIFY DRAINAGE TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. WITH DISTRICT ARCHITECT SITE PLANS.

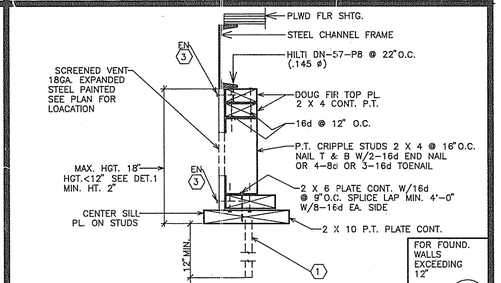
5. THRESHOLD OF DOOR TO BE NO MORE THAN 12" ABOVE FINISH GRADE FOR A 12'-0" RAMP. ARCTITECT MUST TAKE INTO ACCOUNT THE SLOPE OF THIER PARTICULAR SITE TO ACHIEVE THE ADQUATE VENTING AND MAINTAIN THE THRESHOLD OF THE DOOR AT 12" ABOVE FINISH GRADE.

6. ALL FOUNDATION MATERIAL SHALL BE PRESSURE TREATED D.F.

   GROUND CONTACT: LP-22
   ABOVE GROUND: LP-2



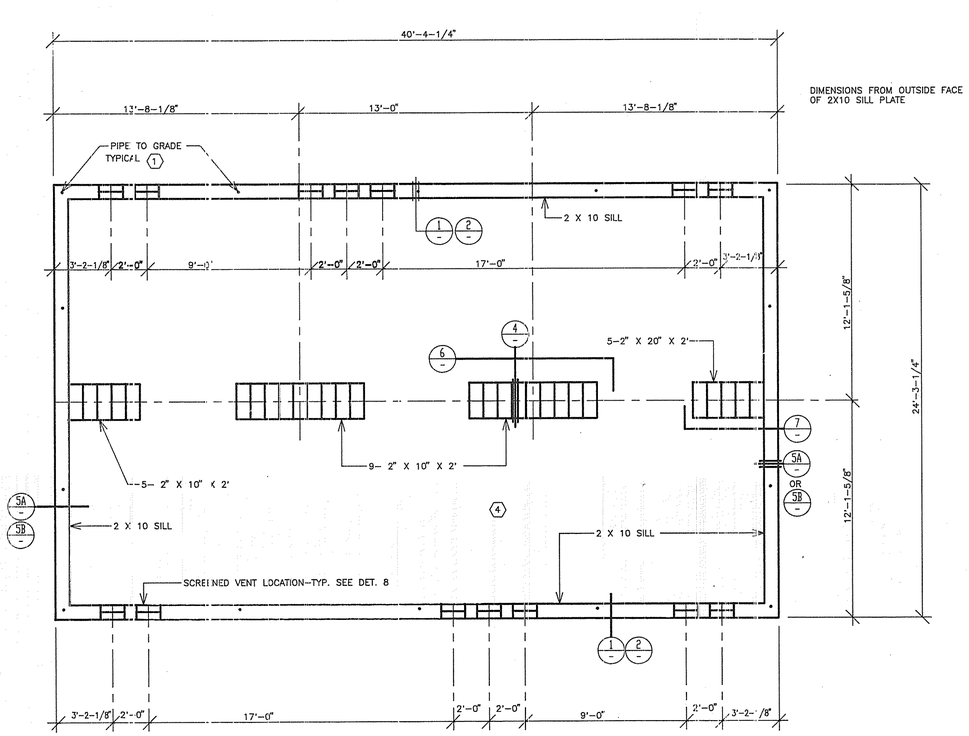
PAD FOUNDATION 7



1-1/2" = 1'-0"

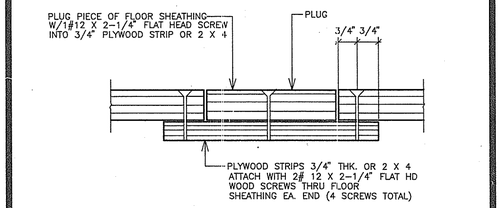
PERIMETER FOUNDATION @ SIDE WALL 2

NOTE "A"
AS REQUIRED TO ACHIEVE THE REQUIRED 7.5 SQ FT. OF VENTILATION LOCATION OF VENT SHOWN ON PLANS MAY NOT BE ACCURATE DUE SITE CONDITIONS (SLOPE ETC.)

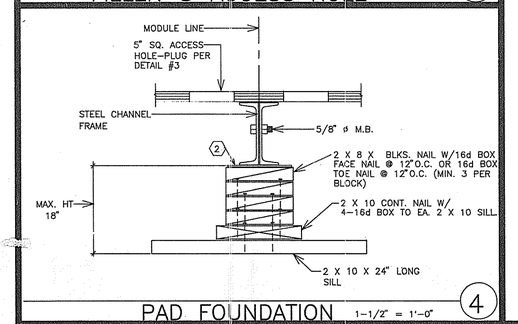


WOOD FOUNDATION PLAN

DESIGN ALLOWABLE FOUNDATION PRESSURE: 1000 PSF
REQUIRED VENTING: 7.5 SQ. FT.
FLOOR LIVE LOAD: 50 PSF

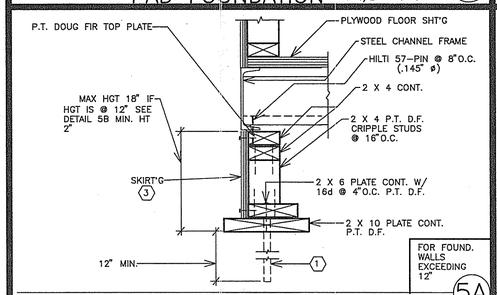


FILLER @ ACCESS HOLE 3

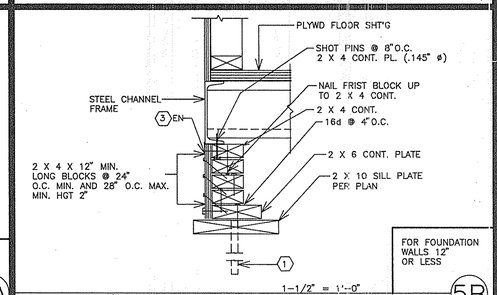


1-1/2" = 1'-0"

PAD FOUNDATION 4



PERIMETER FOUNDATION @ END WALL 5A



1-1/2" = 1'-0"

PERIMETER FOUNDATION @ END WALL 5B

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: JB 4/17/91

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
APR 17 1991
Structural Safety Section
Appl.# 56032
Backchecked By

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION PER W. AUD ADD
56032 APR 17 '91
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations.
Reviewed by

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DIV. OF THE STATE ARCHITECT
APP: 02-123247 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/04/2025

STRUCTURAL SAFETY
TITLE 24 & 1988 UBC
IDENTIFICATION STAMP
Department of General Services
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Appl.# 56032
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ACCESS COMPLIANCE
OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
56013 APR 12 '91
APPLICATION PER W. AUD ADD

FIRE MARSHAL
APPROVED
FIRE AND PANIC ONLY
APR 12 1991
STATE FIRE MARSHAL
SOUTHERN REGION

O.L.A.

REGISTERED PROFESSIONAL ENGINEER
EDWARD LINDSAY
No. 776
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 12-31-92

LICENSED ARCHITECT
EDWARD HENRY MARGINI
No. C-10148
REGISTERED
STATE OF CALIFORNIA

margini associates
ARCHITECTURE • PLANNING • INTERIORS
207 WEST MISSION STREET
SANTA BARBARA, CA 93101
(805) 962-4259

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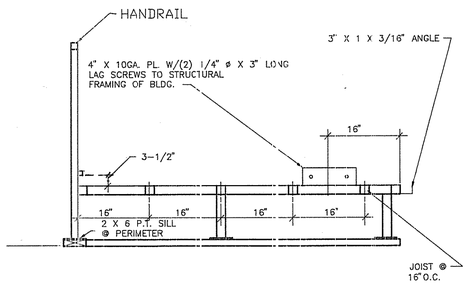
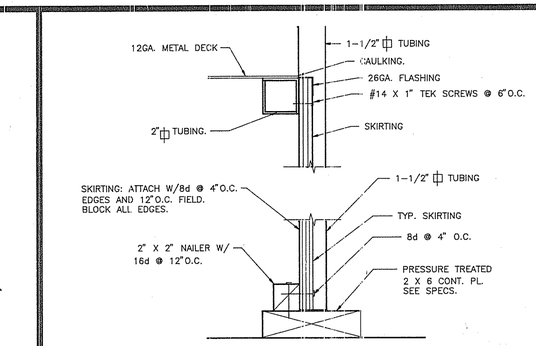
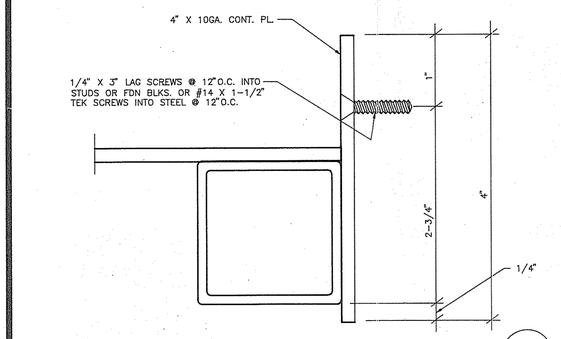


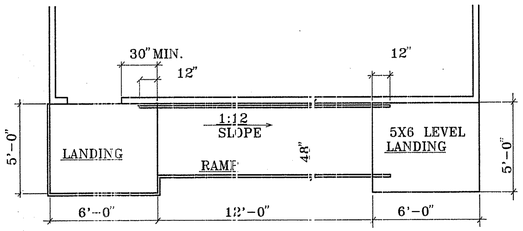
RAMP PLAN @ BLDG. 1



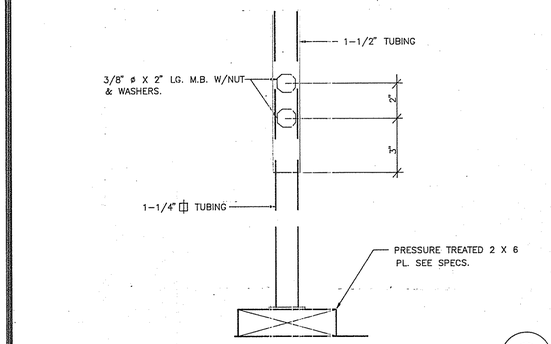
SKIRTING @ SILL PLATE 5



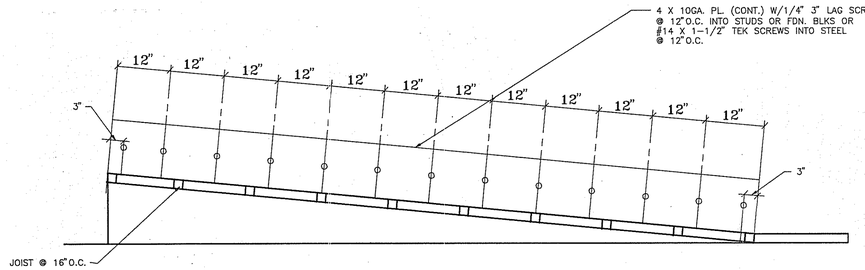
SECTION @ PLATE 9



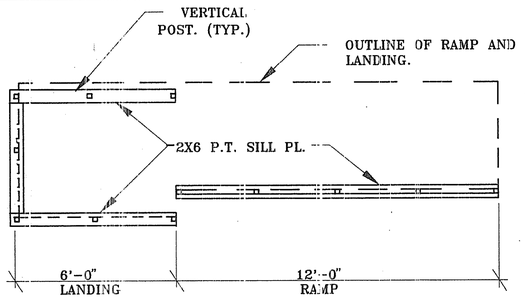
RAMP PLAN @ BLDG. 2



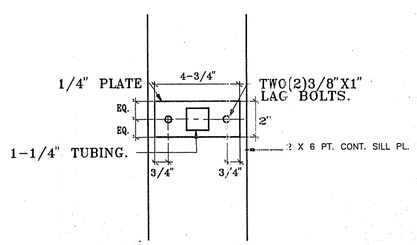
ADJUSTABLE LAG 6



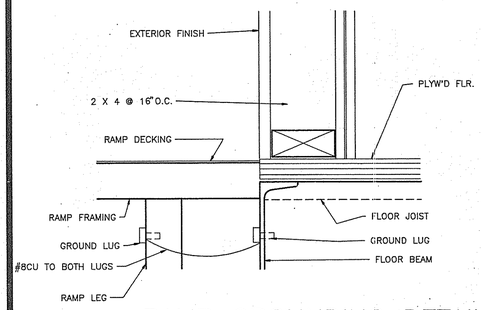
RAMP SECTION 10



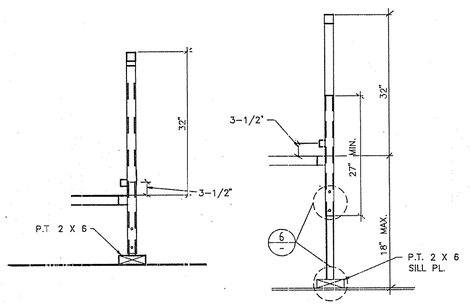
SILL PLAN FOR RAMP AND LANDING 3



BASE PLATE 7



RAMP GROUNDING DETAIL 11



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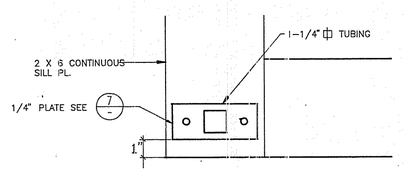

PLATE @ CORNER 8

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Department of General Services
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APR 17 1991
Structural Safety Section
Appl. # 56032
Bpchecked By

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
56032 APR 17 '91
Reviewed by

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APPROVED
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Reviewed by dr 4/17/91

STRUCTURAL SAFETY
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APR 12 1991
Structural Safety Section
Appl. # 56032
Rechecked By

ACCESS COMPLIANCE
OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
56013 APR 12 '91

FIRE MARSHAL
APPROVED
FIRE AND PANIC OFFICE
APR 12 1991
STATE FIRE MARSHAL
SOUTHERN REGION

REGISTERED PROFESSIONAL ENGINEER
EDWARD LINDSOE
No. 776
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 12-31-92

LICENSED ARCHITECT
RICHARD HENRY INGWALL
No. C 10148
STATE OF CALIFORNIA

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3