

TRANQUILLITY HIGH SCHOOL  
INCREMENT 2 AQUATIC CENTER MODERNIZATION  
GOLDEN PLAINS UNIFIED SCHOOL DISTRICT

PTN: 75234-53      DSA FILE NO.: #10-H24      DSA APP NO.: #02-123309

COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street – 3<sup>rd</sup> Floor (559) 600-3357

APPROVED

WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS

BY: *Felipe Piedra* DATE: 9-5-25

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION



- A COPY TITLE 24 C.C.R. PARTS 1 AND 2 SHALL BE KEPT BY THE CONTRACTOR ON THE JOB SITE AT ALL TIMES.
- THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH TITLE 24 C.C.R. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24 C.C.R., A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
- NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL BY THE OWNER OR ARCHITECT WHICH AFFECTS STRUCTURAL ACCESS COMPLIANCE OR FIRE LIFE & SAFETY. UNLESS SUCH CHANGES OR REVISIONS ARE STAMPED AND APPROVED BY DSA.
- CHANGES, SUBSTITUTIONS OR ADDENDA MADE TO THE STRUCTURAL ACCESSIBILITY OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN APPROVED BY DSA SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD) AS REQUIRED IN SECTION 4-338, PART 1, CMC, AND SHALL BE SUBMITTED TO, AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK, FABRICATION OR USE. CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATION IR 4-6.
- ADDENDA MUST BE SIGNED BY ARCHITECT AND APPROVED BY DSA.
- CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWING:
  - ARCHITECT OR ENGINEER OF RECORD
  - STRUCTURAL ENGINEER (WHEN APPLICABLE)
  - DELEGATED PROFESSIONAL ENGINEER
- ALL TESTS AND INSPECTIONS ARE TO CONFORM TO THE REQUIREMENTS OF TITLE 24 SECTION 4-335, PART 1, AND APPROVED T & I SHEET.
- TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-335, PART 1, AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR AT OWNER AND ARCHITECTS REQUEST.
- DSA SHALL BE NOTIFIED BY THE SCHOOL DISTRICT AND/OR ARCHITECT AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE CONCRETE PER TITLE 24 SECTION 4-331, PART 1.
- A CLASS 2 INSPECTOR SHALL BE REQUIRED FOR THIS PROJECT, EMPLOYED BY OWNER. THE INSPECTOR SHALL BE APPROVED BY ARCHITECT, STRUCTURAL ENGINEER, AND DSA. INSPECTOR SHALL BE IN ACCORDANCE WITH SECTION 4-333(c). THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-342, PART 1.
- SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-334, PART 1.
- CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (DSA FORM 6-AE) IN ACCORDANCE WITH TITLE 24 SECTION 4-336, PART 1.
- THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-333(a) AND 4-341, PART 1.
- THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-343, PART 1.
- MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- THESE PLANS AND SPECIFICATIONS WILL COMPLY WITH CFC CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- DSA IS NOT SUBJECT TO ARBITRATION.
- ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SITE SAFETY PLAN. CONTRACTOR SHALL PROVIDE A SITE SAFETY PLAN FOR ALL CONSTRUCTION AND DEMOLITION. THE SAFETY PLAN SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
  - NAME AND CONTACT INFORMATION OF SITE SAFETY DIRECTOR
  - DOCUMENTATION OF TRAINING OF THE SITE SAFETY DIRECTOR AND FIRE WATCH PERSONNEL
  - PROCEDURES FOR REPORTING EMERGENCIES
  - FIRE DEPARTMENT VEHICLE ACCESS ROUTES
  - LOCATIONS OF FIRE PROTECTION EQUIPMENT, INCLUDING PORTABLE FIRE EXTINGUISHER, STANDPIPES, FIRE DEPARTMENT CONNECTIONS AND FIRE HYDRANTS
  - SMOKING AND COOKING POLICIES, DESIGNATED AREA TO BE USED WHERE APPROVED, AND SIGNAGE LOCATIONS IN ACCORDANCE WITH CFC SECTION 3305.8
  - LOCATIONS AND SAFETY CONSIDERATIONS FOR TEMPORARY HEATING EQUIPMENT
  - HOT WORK (WELDING, ROOFING, ETC.) PLAN.
  - PLANS FOR CONTROL OF COMBUSTIBLE WASTE
  - LOCATIONS AND METHODS FOR STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS AND OTHER HAZARDOUS MATERIALS
  - PROVISIONS FOR SITE SECURITY
  - CHANGES THAT AFFECT THIS PLAN
  - OTHER SITE - SPECIFIC INFORMATION REQUESTED BY THE LOCAL FIRE AUTHORITY (LFA)



ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us

These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright 2025

REVISIONS  
REV # | REV DATE | REV DESCRIPTION



PROJECT  
  
TRANQUILLITY HIGH SCHOOL  
INCREMENT 2 AQUATIC CENTER MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

CLIENT  
  
GOLDEN PLAINS UNIFIED SCHOOL DISTRICT

SHEET TITLE  
COVER

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH DEPT. APPROVAL

DATE: 9/5/2025

TECHNICIAN: RT / JL

PROJECT NUMBER: TP

JOB NUMBER: 791

SHEET NUMBER

G0.00-2

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS.

APPLICATION NO.: 02-123309 FILE NO.: 10 - H24

- THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET
- THIS DRAWING, PAGE OF SPECIFICATIONS/CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

- DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
- COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341, AND 4-344" (TITLE 24, PART, SECTION 4-316 (b))

I CERTIFY THAT:

- ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX
- THIS DRAWING OR PAGE
- IS/ARE IN GENERAL CONFORMANCE AND HAVE BEEN COORDINATED

ARCHITECT'S SIGNATURE DATE  
ANTONIO PAVONE  
PRINCIPAL ARCHITECT  
ANDREW GOODWIN DESIGNS

C39058 09/30/2025  
LICENSE NUMBER EXPIRATION DATE

OWNER  
GOLDEN PLAINS USD  
22000 NEVADA STREET  
SAN JOAQUIN, CA 93660  
PHONE: (559) 210-5801  
CONTACT: FELIPE PIEDRA  
EMAIL: fpiedra@gpusd.org

PROJECT ARCHITECT  
ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93401  
(559) 439-1611  
CONTACT: TONY PAVONE  
E-MAIL: tony@andrewgoodwin.us

MECHANICAL/PLUMBING ENGINEER  
3C ENGINEERING INC.  
1500 PALM STREET  
SAN LUIS OBISPO, CA 93401  
(805) 540-3363  
CONTACT: BRIAN STARRETT, PE  
E-MAIL: bstarrett@3ceng.com

STRUCTURAL ENGINEER  
BUEHLER ENGINEERING INC.  
811 EL CAPITAN WAY, SUITE 240  
SAN LUIS OBISPO, CA 93401  
(805) 439-2110  
CONTACT: MICHAEL PAROLINI  
E-MAIL: mparolini@buehlerengineering.com

ELECTRICAL ENGINEER  
AURUM CONSULTING ENGINEERS, INC.  
1798 TECHNOLOGY DRIVE, SUITE 242  
SAN JOSE, CA 95110  
(831) 646-3336  
CONTACT: NAJIB ANWARY P.E LEED AP (BD+C)  
E-MAIL: najib@acemb.com

INCREMENT 1:  
TRANQUILLITY HIGH SCHOOL AQUATIC CENTER MODERNIZATION CONSISTS OF NEW POOL EQUIPMENT BUILDING, MODERNIZATION OF DIVE POOL (DSA A# 33437) CONVERSION INTO A LEARN TO SWIM POOL, NEW 10-LANE MODULAR SWIMMING POOL, NEW FABRIC SHADE STRUCTURE, NEW PC APPROVED SCOREBOARD, NEW WATERSLIDE, NEW SPLASH PAD AREA, LANDSCAPING, AND CONCRETE POOL DECK, AND NEW UTILITIES, AND ASSOCIATED SITE ACCESS.

INCREMENT 2:  
TRANQUILLITY HIGH SCHOOL AQUATIC CENTER MODERNIZATION CONSIST OF NEW 2,020 SF OF NEW MODULAR CONCESSIONS BUILDING AND NEW 2,880 SF PERMANENT MODULAR CLASSROOM

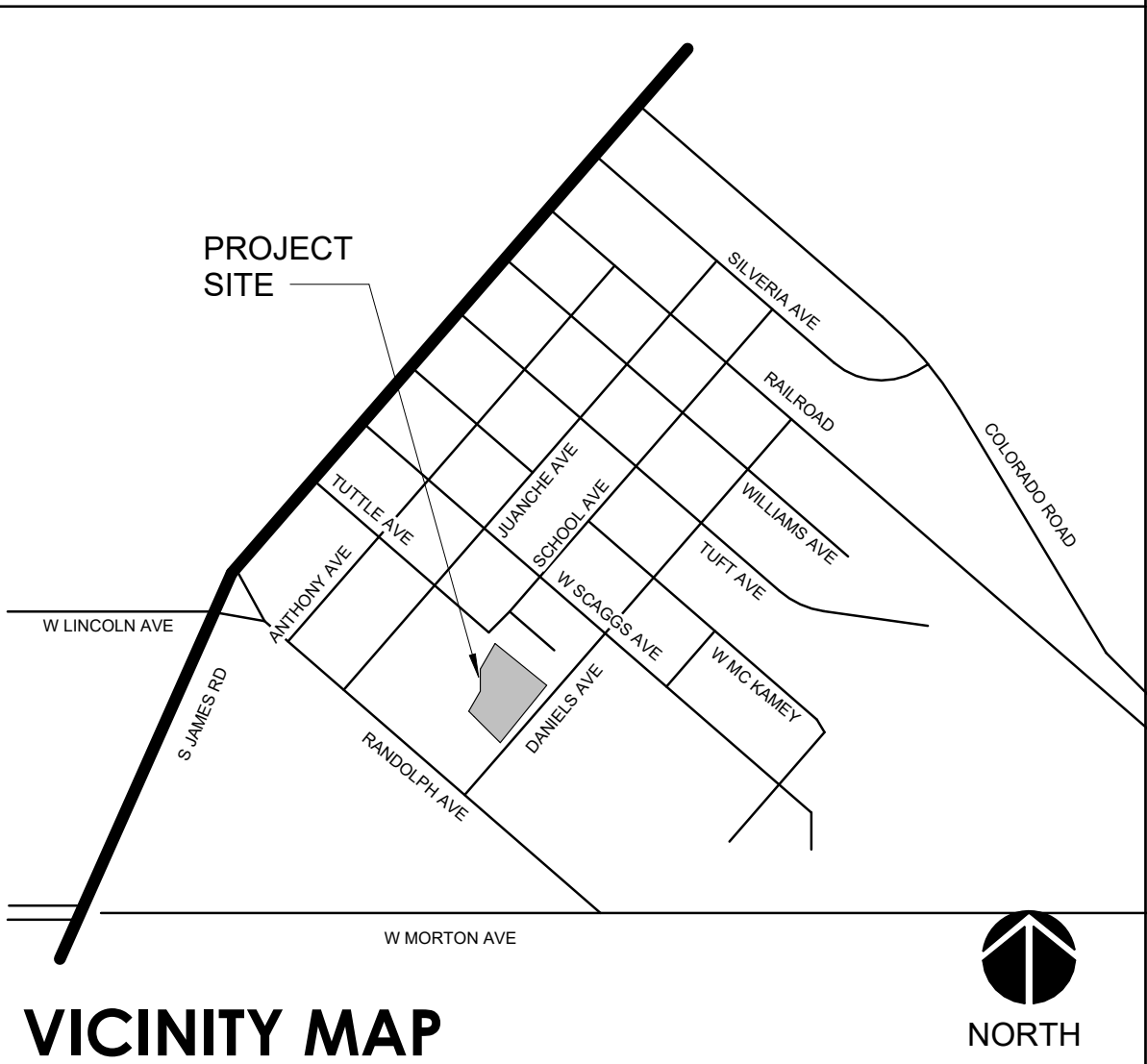
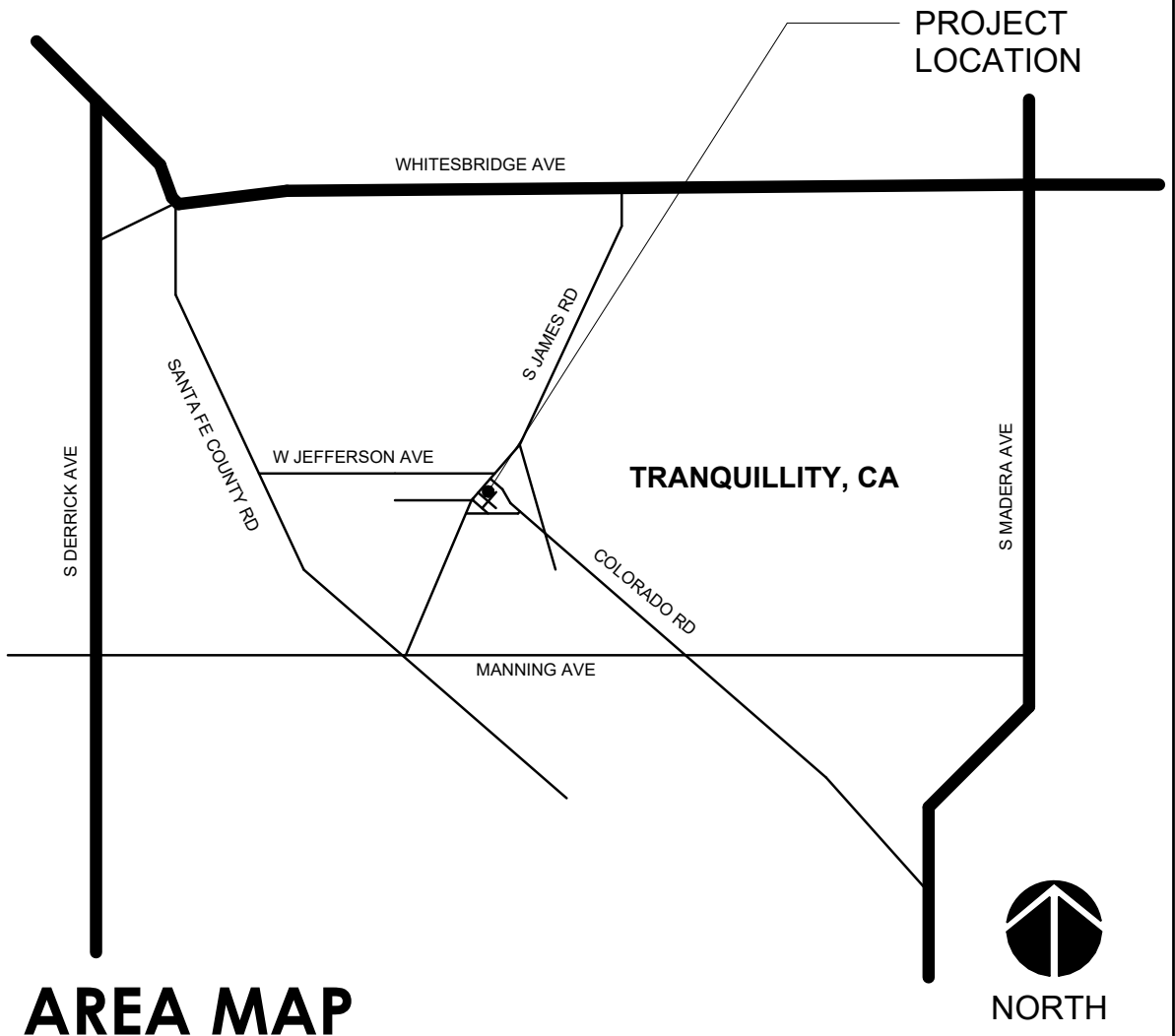
PROJECT DESCRIPTION

NONE

DEFERRED SUBMITTALS

2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), C.C.R. TITLE 24, PART 1  
2022 CALIFORNIA BUILDING CODE (CBC), C.C.R. TITLE 24, PART 2  
2022 CALIFORNIA ELECTRICAL CODE (CEC), C.C.R. TITLE 24, PART 3  
2022 CALIFORNIA MECHANICAL CODE (CMC), C.C.R. TITLE 24, PART 4  
2022 CALIFORNIA PLUMBING CODE (CPC), C.C.R. TITLE 24, PART 5  
2022 CALIFORNIA FIRE CODE (CFC), C.C.R. TITLE 24, PART 9  
2022 CALIFORNIA REFERENCED STANDARDS CODE, C.C.R. TITLE 24, PART 12  
2022 CALIFORNIA ENERGY CODE (CAC), C.C.R. TITLE 24, PART 6  
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), C.C.R. TITLE 24, PART 11  
C.C.R. TITLE 19 PUBLIC SAFETY  
NFPA 13-22 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (AS AMENDED)  
NFPA 24-22 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (AS AMENDED)  
NFPA 25-13CA (CALIFORNIA NFPA 25 EDITION) INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS  
NFPA 72-22 NATIONAL FIRE ALARM AND SIGNALING CODE (AS AMENDED)  
UL 38-99 MANUALLY ACTUATED SIGNALING BOXES (AS AMENDED)  
UL 268-09 SMOKE DETECTORS FOR FIRE ALARM SYSTEMS  
UL 268A-09 SMOKE DETECTORS FOR DUCT APPLICATION (AS AMENDED)  
UL 464-03 AUDIBLE SIGNAL APPLIANCES (AS AMENDED)  
UL 521-99 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS (AS AMENDED)  
UL 1424 CABLES FOR POWER-LIMITED FIRE-ALARM CIRCUITS (2005 EDITION)  
UL 1971 SIGNALING DEVICES FOR THE HEARING IMPAIRED (2004 EDITION)  
AMERICANS WITH DISABILITIES ACT

PROJECT INFORMATION



GENERAL NOTES

STATEMENT OF GENERAL CONFORMANCE

PROJECT DIRECTORY





AB	ANCHOR BOLT	FLX	FLEXIBLE	OC	QUALITY CONTROL
ABV	ABOVE	FND	FOUNDATION	QT	QUARRY TILE
AC	ASPHALT CONCRETE	FOC	FACE OF CONCRETE	QTY	QUANTITY
ACC	ACCESSIBLE	FOF	FACE OF FINISH		
AC	AIR CONDITIONING	FOM	FACE OF MASONRY	R	RISER
ACOUS	ACOUSTICAL	FOS	FACE OF STUDS	RAD	RADIUS
ADD	ADDENDUM	FRR	FRAME (D), (ING)	RAF	RAISED ACCESS FLOOR
ADJ	ADJUSTABLE/ADJACENT	FTG	FOOTING	RCP	REFLECTED CEILING PLAN
AFF	ABOVE FINISH/RR	FUR	FURRED (ING)	RCPT	RECEPTACLE
AGG	AGGREGATE	FUT	FUTURE	RD	ROOF DRAIN
AHU	AIR HANDLING UNIT	FWC	FABRIC WALL COVERING	RDWO	REDWOOD
AB	AIR INFILTRATION BARRIER			REF	REFERENCE
ALT	ALTERNATE	GA	GAGE, GAUGE	REFR	REFRIGERATOR
ALUM	ALUMINUM	GB	GYPSPUM BOARD	REIN	REINFORCE (D), (ING)
ANOD	ANODIZED	GC	GENERAL CONTRACTOR	REM	REMOVE (ABLE)
APC	ACOUSTIC PANEL CEILING	GD	GRAB/GRADING	REQD	REQUIRED
APPROX	APPROXIMATE	GEN	GENERATOR	RES	RESILIENT
APVD	APPROVED	GI	GALVANIZED IRON	RET	RETURN
ARCH	ARCHITECT (URAL)	GKT	GASKET(ED)	REV	REVISION (S), REVISED
		GL	GLASS, GLAZING	RFG	ROOFING
BB	BOTTOM OF BEAM	GLV	GALVANIZED	RFL	REFLECT (ED), (IVE), (OR)
BD	BOARD	GRG	GLASS REINFORCED GYPSPUM	RFM	RECESSED FLOOR MAT
BEL	BELOW	GVL	GRAVEL	RG	RETURN GRILLE
BITUM	BITUMINOUS	OYP	GYPSPUM	RH	RIGHT HAND
BLDG	BUILDING			RL	RIDGE LINE
BLK	BLOCK	H	HIGH	RL	RELIEF
BLKG	BLOCKING	HB	HOSE BIBB	RM	ROOM
BM	BEAM	HC	HOLLOW CORE	RO	ROUGH OPENING
BOT	BOTTOM	HDB	HARDBOARD	ROW	RIGHT OF WAY
BRG	BEARING	HDR	HEADER	RR	RETURN REGISTER
BRK	BRICK	HDW	HARDWOOD	RWL	RAINWATER LEADER
BRZ	BRONZE	HDWR	HARDWARE	RWC	RAINWATER CONDUCTOR
BUR	BUILT UP ROOFING	HEX	HEXAGONAL		
		HX	HOLLOW METAL, STEEL	S	SOUTH
C	CARPET	HOR	HORIZONTAL	SA	CONTINUOUS SHELF ANGLE
CAB	CABINET	HP	HIGH POINT	SAN	SANITARY
CB	CATCH BASIN	HS	HOSE STATION	SC	SOLID CORE
CD	CEILING DIFFUSER	HT	HEIGHT	SCD	SCHEDULE
CEM	CEMENT	HTG	HEATING	SD	STORM DRAIN
CER	CERAMIC	HVAC	HEATING/VENTILATING/	SEC	SECTION
CF	CUBIC FOOT	AIR	AIR CONDITIONING	SF	SQUARE FOOT
CFL	COUNTERFLASHING	HW	HOT WATER	SFM	STATE FIRE MARSHALL
CFM	CUBIC FOOT PER MINUTE			SFPA	SQUARE FOOT FREE AREA
CG	CORNER GUARD	ID	INSIDE DIAMETER	SGP	SPANDREL GLASS PANEL
CH	CEILING HEIGHT	IMP	INSULATED METAL PANEL	SHLF	SHELF
CHAM	CHAMFER	INCAND	INCANDESCENT	SHLV	SHELVES (ING)
CHBD	CHALKBOARD	INCL	INCLUDE (D), (ING)	SHT	SHEET
CI	CAST IRON	INFO	INFORMATION	SHTG	SHOOTING
CJ	CONTROL JOINT	INSTR	INSTRUCTION(S)	SIM	SIMILAR
CL	CENTER LINE	INSUL	INSULATE (D), (ION)	SKL	SKYLIGHT
CLG	CEILING	INT	INTERIOR	SLV	SLEEVE
CLGJ	CEILING JOIST	INV	INVERT	S/P	SHELF & POLE
CLR	CLEAR	J	JOIST	SO	STOREFRONT OPENING
CT	CERAMIC (TILE)	JC	JANITORS CLOSET	SPR	SINGLE-PLY ROOFING
CMU	CONCRETE MASONRY UNIT	JST	JOINT	SPEC	SPECIFICATION(S)
CNTR	COUNTER	JT	JOINT	SQ	SQUARE
CO	CLEAN OUT	KO	KNOCKOUT	SR	SUPPLY REGISTER
COL	COLUMN			SS	STAINLESS STEEL
COMB	COMBINATION	LAD	LADDER	STD	STANDARD
COMP	COMPOSITION (COMPOSITE)			STL	STEEL
CONC	CONCRETE	LAM	LAMINATE(D)	STN	STONE
CONT	CONTINUOUS OR CONTINUE	LAV	LAVATORY	STO	STORAGE
CONST	CONSTRUCTION	LB	LAG BOLT	STRUC	STRUCTURE (AL)
CORR	CORRUGATED	LBL	LABEL	STW	STORM WATER
COTF	CLEAN OUT THRU FLOOR	LH	LEFT HAND	SUBST	SUBSTANTATION
COTG	CLEAN OUT TO GRADE	LNTL	LINE	SV	SHEET VINYL
COTW	CLEAN OUT THRU WALL	LP	LOW POINT	SYS	SYSTEM
CR	CURE RETURN	LTG	LIGHTING		
CRTNW	CURTAIN WALL	LVR	LOUVER	T	TREAD
CSK	COUNTERSINK			TB	TOWEL BAR
CSMT	CASEMENT	MAS	MASONRY	T&B	TOP & BOTTOM
CTSK	COUNTERSUNK SCREW	MATL	MATERIAL	TELE	TELEPHONE
CTR	CENTER	MAX	MAXIMUM	TEMP	TEMPERED
CVT	CONDUCTIVE VINYL TILE	MBR	MODIFIED BITUMEN ROOFING	T&G	TONGUE AND GROOVE
CW	COLD WATER	MC	MEDICINE CABINET	THK	THICKNESS(S)
		MECH	MECHANICAL	THRU	THROUGH
D	DEPTH	MED	MEDIUM	TJ	TOOL JOINT
DBL	DBL	MEF	MANUFACTURING	TKBD	TACKBOARD
DET	DETAIL	MFR	MANUFACTURE(R)	TO	TOP OF
DF	DRINKING FOUNTAIN	MGS	METAL GRAVEL STOP	TOM	TOP OF MASONRY
DIA	DIAMETER	MH	MANHOLE	TOB	TOP OF BEAM
DIAG	DIAGONAL	MIN	MINIMUM	TOC	TOP OF CURB or CONCRETE
DIM	DIMENSION	MIR	MIRROR	TOS	TOP OF STEEL SLAB or STRUCTURE
DIV	DIVISION	MISC	MISCELLANEOUS	TOW	TOP OF WALL
DL	DEAD LOAD	MBD	MARKER BOARD	TP	TOILET PARTITION
DN	DOWN	MLD	MOLDING, MOLDING	TPTN	TOILET PAPER DISPENSER
DP	DAMP PROOFING	MMB	MEMBRANE	TS	TOP OF SHEATHING
DPRS	DEPRESSED	MOD	MODULAR	TSB	TOP SET BASE
DR	DOOR	MOD	MODULAR	TSL	TOP OF SLAB
DS	DOWNSPOUT	MT	METAL THRESHOLD	T&T	T-BAR ACOUSTIC TILE
DSPR	DISPENSER	MNT	MOUNT(ED), (ING)	TV	TELEVISION
DWG	DRAWING	MTL	METAL	TYP	TYPICAL
DWR	DRAWER	MUL	MULLION	U	UNIVERSAL
		N	NORTH	UN	UNLESS OTHERWISE NOTED
E	ENAMEL	NEW	NEW	V	VINYL
EA	EACH	NAT	NATURAL	VAR	VARIES
EC	ELECTRICAL CONTRACTOR	NOT	NOT IN CONTRACT	VB	VAPOR BARRIER
EDF	ELECTRIC DRINKING FOUNTAIN	NO	NUMBER	VC	VINYL COMPOSITION TILE
EFW	EMERGENCY EYEWASH	NOM	NOMINAL	VCBT	VINYL COVERED TACKBOARD
EIF	ELASTOMERIC FLASHING	NTS	NOT TO SCALE	VERT	VERTICAL
EJ	EXPANSION JOINT	O	OVER	VEST	VESTIBULE
ELEV	ELEVATION	OA	OVERALL	VG	VERTICAL GRAIN
ELEC	ELECTRIC (AL)	OBS	OBSCURE	VGP	VISION GLASS PANEL
EMER	EMERGENCY	OC	ON CENTER(S)	VNR	VENEER
ENAM	ENAMEL	OD	OUTSIDE DIAMETER	VNT	VENT
ENCL	ENCLOSE (URE)	OFD	OVERFLOW DRAIN	VO	VENT OVER/OFFSET
EO	EQUAL	OH	OPOSITE HAND	VR	VENT RISER
EQT	EQUIPMENT	OPQ	OPAQUE	VTR	VENT THROUGH ROOF
ER	EXHAUST REGISTER	OPG	OPENING	VWC	VINYL WALL COVERING
EW	EACH WAY	OPP	OPOSTITE		
EWG	ELECTRIC WATER HEATER	OPT	OPTIONAL	W	WITH
EXH	EXHAUST	PBD	PARTICLE BOARD	WBL	WOOD BLOCKING
EXIST	EXISTING	PCPL	PORTLAND CEMENT PLASTER	WC	WATER CLOSET
(E)	EXISTING	PERIM	PERIMETER	WD	WOOD
EXP	EXPOSED	PERF	PERFORATE(D)	WG	WIRED GLASS
EXT	EXTERIOR	PFB	PREFABRICATE(D)	WHC	WALL HUNG CABINET
EXTING	EXTINGUISHER	PLAS	PLASTIC LAMINATE	WIN	WINDOW
FA	FIRE ALARM	PLM	PLASTER	WK	WORK
FAB	FABRICATION	PLT (P)	PLATE	WM	WIRE MESH
FAC	FACTORY	PLUMB	PLUMBING	WO	WINDOW OPENING
FAS	FASTEN, FASTENER	PLYWD	PLYWOOD	W/O	WITHOUT
FBD	FIBERBOARD	PNL	PANEL	WP	WATERPROOFING
FBLK	FIRE BLOCKING	PNL	PANEL	WR	WEATHER RESISTANT
FBO	FURNISHED BY OTHERS	PD	POINT	WSC	WAINSCOT
FD	FLOOR DRAIN	PD	POINT	WST	WASTE
FEC	FIRE EXTINGUISHER CABINET	PDC	POINT OF CONNECTION	WTHP	WEATHERPROOF
FF	FINISHED FLOOR	PAIR	PAIR	WWF	WELED WIRE FABRIC
FG	FIXED GLASS	PRECAST	PRECAST		
FHC	FIRE HOSE CABINET	PROJ	PROJECT	&	AND
FHMS	FLATHEAD MACHINE SCREW	PTD	PRESSURE TREATED	@	AT
FHWS	FLATHEAD WOOD SCREW	PTD	POINT	¢	CENTER LINE
FN	FINISHED	PTD	POINT	∅	DIAMETER
FJ	FLOOR JOIST	PTD	POINT	◻	SQUARE FEET
FLR	FLOOR(ING)	PTN	PARTITION		
FLSH	FLASHING	PVA	POLYVINYL ACETATE		
FLUOR	FLUORESCENT	PVC	POLYVINYL CHLORIDE		

## ABBREVIATIONS

PROJECT NORTH		FINISH TAG		
TRUE NORTH		WALL TYPE		
COLUMN GRIDLINE		SIGNAGE TAG		SIGNAGE TYPE
BUILDING SECTION		ROOM NAME AND NUMBER		ROOM NAME
WALL SECTION		ROOM NAME AND NUMBER		ROOM NUMBER
DETAIL OR ENLARGED PLAN		DOOR TAG		DOOR NUMBER
		WINDOW TAG		WINDOW LETTER
		KEYNOTE		NUMBER
		REVISION NUMBER		REVISION NUMBER
		ACCESSORY OR EQUIPMENT		ACCESSORY NUMBER OR LETTER
		CEILING HT. TAG		HEIGHT NUMBER OR VARIES

## TYPICAL SYMBOLS

COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street – 3<sup>rd</sup> Floor (559) 600-3357

APPROVED

WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS

BY: *Bridget Rogers* DATE: 9-5-25

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION



ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us

These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright 2025

**REVISIONS**  
REV # | REV DATE | REV DESCRIPTION



**PROJECT**  
  
TRANQUILLITY HIGH SCHOOL  
INCREMENT 2 AQUATIC CENTER MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

**CLIENT**  
  
GOLDEN PLAINS UNIFIED SCHOOL DISTRICT

**SHEET TITLE**  
LEGENDS AND ABBREVIATIONS

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH DEPT. APPROVAL

DATE: 9/5/2025

TECHNICIAN: RT / JL

PROJECT MANAGER: TP

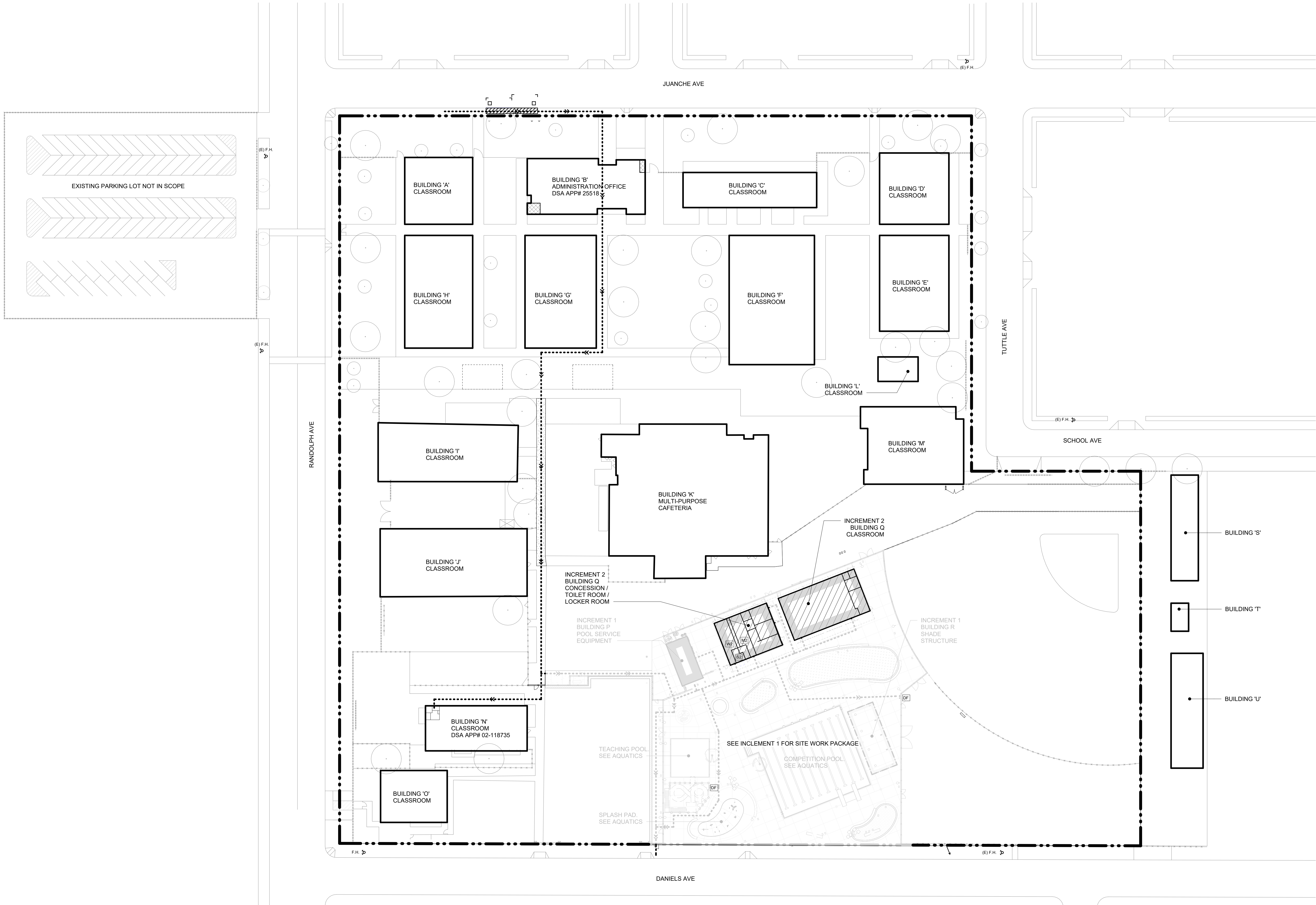
JOB NUMBER: 791  
SHEET NUMBER

A0.00-2



1 PROPOSED OVERALL SITE PLAN

1" = 40'-0"



- PROPOSED BUILDING P (INCREMENT 1)
- PROPOSED PRE-MANUFACTURED SHADE STRUCTURE. SEE MANUFACTURES DRAWINGS
- EXISTING BUILDING NOT INCLUDED IN SCOPE OF WORK
- PROPOSED BUILDING Q (INCREMENT 2)
- (E) F.H. FIRE HYDRANT, SEE CIVIL.
- PROPERTY LINE
- ACCESSIBLE ROUTE (2022 C.B.C. SECTION 11B - 206)
- DF ACCESSIBLE DRINKING FOUNTAIN, THIS DSA APPLICATION NUMBER AS PART OF INCREMENT 1
- M2 ACCESSIBLE MENS TOILET ROOM, THIS DSA APPLICATION NUMBER AS PART OF INCREMENT 2
- W2 ACCESSIBLE WOMENS TOILET ROOM, THIS DSA APPLICATION NUMBER AS PART OF INCREMENT 2
- S2 ACCESSIBLE GENDER NEUTRAL STAFF TOILET ROOM THIS DSA APPLICATION NUMBER AS PART OF INCREMENT 2

THE ACCESSIBLE ROUTE, AS DEFINED IN THE CALIFORNIA BUILDING CODE, IS A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ACCESSIBLE ELEMENTS AND SPACES OF AN ACCESSIBLE SITE, BUILDING OR FACILITY THAT CAN BE NEGOTIATED BY A PERSON WITH A DISABILITY USING A WHEELCHAIR, AND THAT IS ALSO SAFE FOR AND USABLE BY PERSONS WITH OTHER DISABILITIES. INTERIOR ACCESSIBLE ROUTES MAY INCLUDE CORRIDORS, HALLWAYS, FLOORS, RAMPS, ELEVATORS, AND LIFTS. EXTERIOR ACCESSIBLE ROUTES MAY INCLUDE PARKING ACCESS AISLES, CURB RAMPS, CROSSWALKS AT VEHICULAR WAYS, WALKS, RAMPS AND LIFTS. INTERIOR AND EXTERIOR ACCESSIBLE ROUTES SHALL COMPLY WITH CBC CHAPTER 11B: ACCESSIBLE ROUTES. COMMON PATH OF TRAVEL ITEMS INCLUDE: DRINKING FOUNTAINS SERVING THE AREA OF ALTERATION, PUBLIC TELEPHONES SERVING THE AREA OF ALTERATION, EXTERIOR OR INTERIOR SIGNS ALONG THE PATH OF TRAVEL, ACCESSIBLE ROUTE COMPONENTS, WALKING SURFACES DIMENSIONS, RUNNING SLOPE OF WALKING SURFACE ARE NOT TO EXCEED 1:20 SLOPE, RUNNING SLOPE OF RAMPS ARE NOT TO EXCEED 1:12 SLOPE, CROSS SLOPE OF WALKS, RAMPS AND LANDINGS ARE NOT TO EXCEED 1:48, VERTICAL CHANGES IN LEVEL ARE NOT TO EXCEED 1/4", OPENING IN DRAINS AND GRATINGS ARE NOT TO EXCEED 1/2" IN PREDOMINANT DIRECTION OF TRAVEL, PROTRUDING OBJECTS AND OVERHEAD OBSTRUCTIONS ARE TO HAVE 80" MINIMUM HEAD CLEARANCE AND ARE NOT TO PROJECT MORE THAN 4" FROM WALLS WITHIN A 27" AND 80" RANGE, SITE ARRIVAL POINTS, PARKING LOTS, BUS STOPS, PASSENGER DROP-OFF AND LOADING ZONES.

DESIGN PROFESSIONAL IN CHARGE STATEMENT.

- THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) 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 WITH THE CBC HAVE BEEN IDENTIFIED AND 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 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 ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
- ITS ADVISABLE TO AVOID DESIGN REQUIREMENTS THAT ARE AT OR NEAR DIMENSIONAL THRESHOLDS. CONSTRUCTION TOLERANCES MAY BE USED WHEN EVALUATING THE COMPLIANCE OF EXISTING PATH OF TRAVEL ELEMENTS PER DSA IR 11B-8 USE OF PREDETERMINED CONSTRUCTION TOLERANCE GUIDELINES FOR ACCESSIBILITY

LEGEND

- A. THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION & DEMOLISH AND/OR REMOVE FROM THE AREA OF THE PROJECT ALL STRUCTURES, BOTH SURFACE & SUBSURFACE, TREES, BRUSH, ROOTS, DEBRIS, ORGANIC MATTER, & ALL OTHER MATTER DETERMINED BY THE INSPECTOR TO BE DETRIMENTAL. SUCH MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- B. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED & SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE & SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. 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.
- C. FINISH GRADE SHALL HAVE A 1.5% SLOPE AWAY FROM THE BLDG. FOR A DISTANCE NOT LESS THAN 5'-0" FROM THE BLDG.
- D. UPON COMPLETION OF CONSTRUCTION, THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY WILL BE CONTACTED TO OBTAIN DESIGN & EQUIPMENT SPECIFICATIONS, AND TESTING AND ACCEPTANCE CRITERIA FOR EMERGENCY RESPONDER RADIO COVERAGE (ERRC) PER CFC 510. UPON COMPLETION COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS AND PROOF OF TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.
- E. EXTERIOR CONC. LANDINGS AT DOORS SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN DOORWAY THRESHOLD WITH 1/4 INCH PER FOOT SLOPE MAX.
- F. ALL DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- G. REFER TO CIVIL, AQUATICS, STRUCTURAL, LANDSCAPE, PLUMBING & ELECTRICAL FOR ADDITIONAL INFORMATION. CONTRACTOR TO COORDINATE ALL TRADES TO MAINTAIN PROPER CLEARANCES & AVOID CONFLICTS.
- H. PROTECT EXISTING IMPROVEMENTS TO REMAIN.

GENERAL NOTES

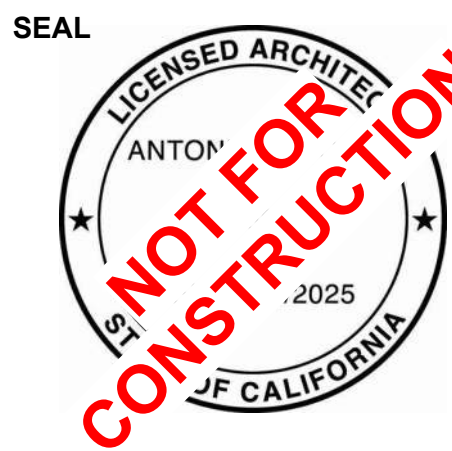
COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357  
APPROVED  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bibiana R. Rios* DATE: 9-5-25  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION



ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us

These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright 2025

REVISIONS  
REV # | REV DATE | REV DESCRIPTION



PROJECT

TRANQUILLITY HIGH SCHOOL  
INCREMENT 2 AQUATIC CENTER MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

CLIENT

GOLDEN PLAINS  
UNIFIED SCHOOL  
DISTRICT

SHEET TITLE  
PROPOSED OVERALL SITE PLAN

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH DEPT. APPROVAL

DATE: 9/5/2025

TECHNICIAN: RT / JL

PROJECT MANAGER: TP

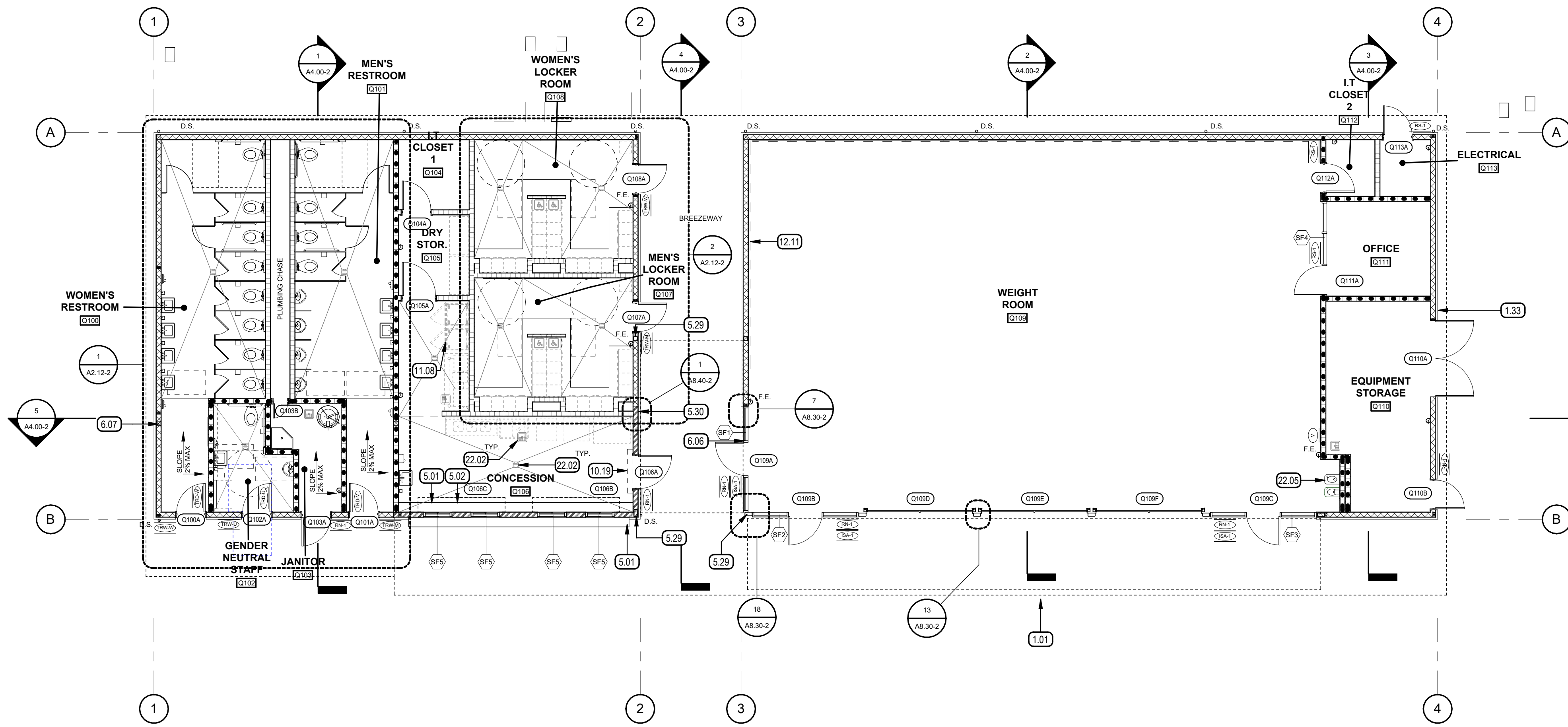
JOB NUMBER: 791

SHEET NUMBER

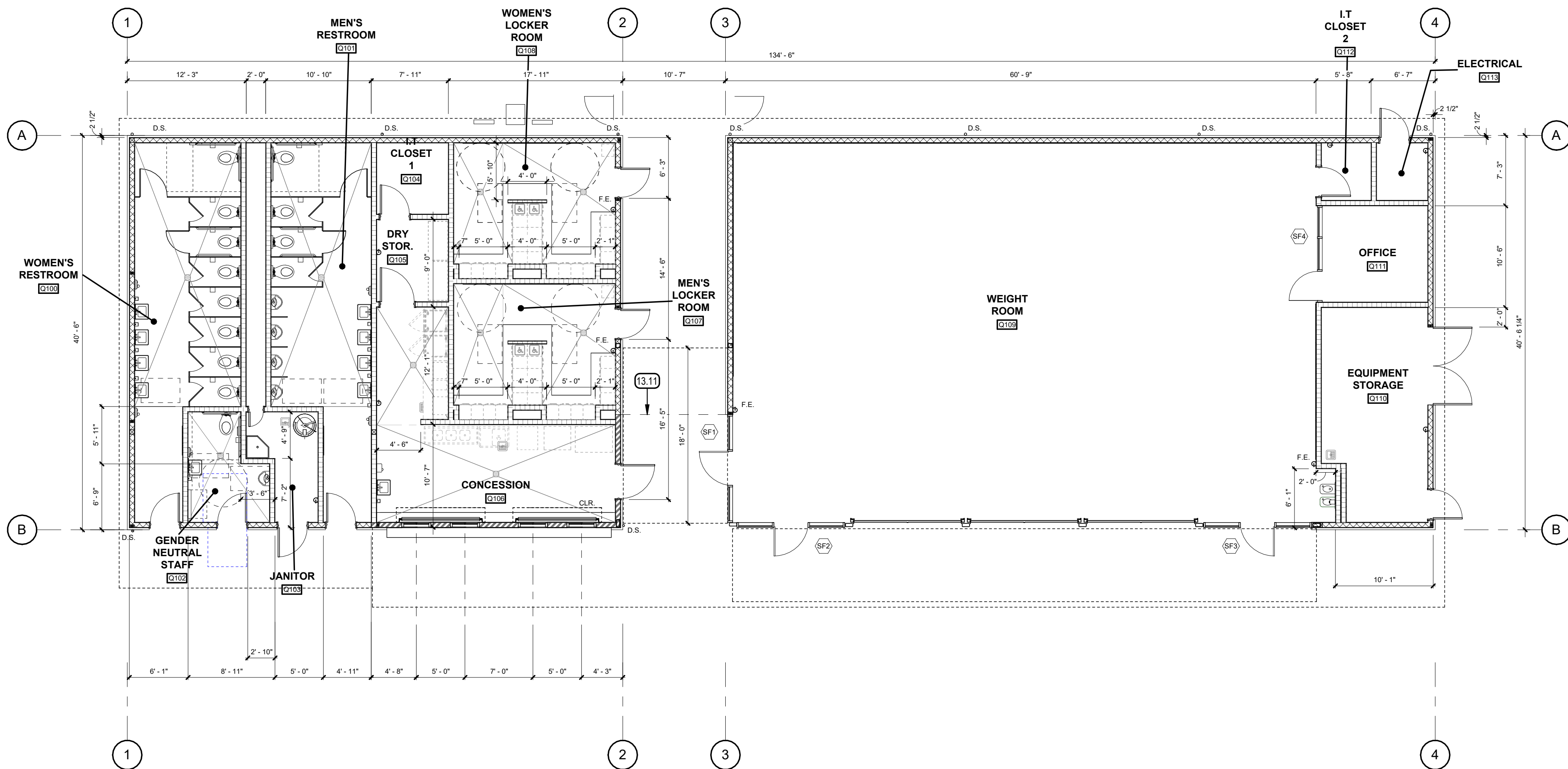
A1.00-2

PLOT DATE: 9/4/2025 10:46:36 AM





**1 BUILDING Q - FLOOR PLAN**  
1/8" = 1'-0"



**2 BUILDING Q - DIMENSION PLAN**  
1/8" = 1'-0"

- 1.01 ROOF OVERHANG  
1.33 EDGE OF CONCRETE CURB, SEE STRUCTURAL  
5.01 STAINLESS STEEL COUNTERTOP, SEE INTERIOR ELEVATIONS  
5.02 12" DEEP STAINLESS STEEL FLOATING SHELF  
5.29 HSS COLUMN, SEE STRUCTURAL  
5.30 METAL SIDING TRANSITION SHALL ALIGN WITH SF1 STOREFRONT JAMB  
6.06 DOUBLE STUD, SEE STRUCTURAL  
6.07 WOOD POST, SEE STRUCTURAL TYP.  
10.19 EQUIPMENT, SEE MECHANICAL AND ELECTRICAL.  
11.08 CONCESSIONS EQUIPMENT, SEE EQUIPMENT PLAN INTERIOR ELEVATIONS  
12.11 MIRROR INDICATED BY DASHED LINE.  
13.11 END OF HORIZONTAL METAL WALL TO ALIGN WITH END OF STOREFRONT WINDOW SYSTEM  
22.02 FLOOR SINK, SEE PLUMBING.  
22.05 DRINKING FOUNTAIN, PROVIDE WALL BACKING SUPPORT. SEE PLUMBING AND DETAIL.

## KEYNOTES

- MINIMUM 30"x48" WHEELCHAIR CLEAR SPACE  
MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE  
3" DIAMETER GALVANIZED SCHEDULE 40 METAL DOWNSPOUT. SEE 1 / A8.20-2 9 / A8.20-2  
WALL SIGNAGE. SEE A8.20-2  
DOOR REFERENCE  
SEE DOOR SCHEDULE ON SHEET A7.00  
WINDOW SYSTEM REFERENCE  
SEE WINDOW SCHEDULE ON SHEET A7.00  
BRACKET MOUNTED FIRE EXTINGUISHER, SEE 10 / A8.00-2  
FULL HEIGHT WALLS TO UNDERSIDE OF DECK AND/OR STRUCTURE  
VERTICAL METAL WALL PANEL OVER 1 1/2" METAL FURRING OVER WEATHER BARRIER OVER RIGID INSULATION OVER SHEATHING OVER 2X6 WOOD STUD WALL WITH BATT INSULATION. SEE DETAIL 7 / A8.40-2  
HORIZONTAL METAL WALL PANEL OVER 7/8" METAL FURRING OVER WEATHER BARRIER OVER RIGID INSULATION OVER SHEATHING OVER 2X6 WOOD STUD WALL WITH BATT INSULATION. SEE DETAIL 6 / A8.40-2  
2X6 WOOD STUD WALL WITH SOUND BATT INSULATION AND GYPSUM BOARD EACH SIDE AND FINISH PER SCHEDULE, SEE DETAIL 5 / A8.40-2

## LEGEND

- A. FOR MOUNTING HEIGHTS, CLEARANCES, AND MANEUVERING SPACE REQUIREMENTS FOR ACCESSIBLE PLUMBING FIXTURES AND ACCESSORIES, SEE SHEET A8.00-2  
B. DIMENSIONS WITH "MIN.", "CLR", ARE MEASURED FROM FACE OF WALL FINISH.  
C. PROVIDE IMPACT RESISTANT GYPSUM BOARD FROM FLOOR TO +9'-0" HIGH IN WEIGHT ROOM R101  
D. REFER TO SHEET A2.11-2 EQUIPMENT PLAN FOR ADDITIONAL INFORMATION.  
E. GRID LINES ARE TO FACE OF CONCRETE CURB, SEE STRUCTURAL AND DETAILS 3 & 4 SHEET A8.40-2  
F. DIMENSIONS ARE FACE OF STUD UNLESS NOTED OTHERWISE.  
G. PROVIDE FIRE EXTINGUISHER CLASS 2A:10B:C MIN. PER NFPA 10. ONE FOR EVERY 3,000 S.F. OR PORTION THEREOF & TRAVEL DISTANCE NOT TO EXCEED 75'-0".

## GENERAL NOTES

COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3rd Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bridget Rogers* DATE: **9-5-25**  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION

COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3rd Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bridget Rogers* DATE: **9-5-25**  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION

**AGD**  
ARCHITECTURE | DESIGN

ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us

These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright 2025

**REVISIONS**  
REV # | REV DATE | REV DESCRIPTION

SEAL  
**LICENSED ARCHITECT**  
ANTOP  
**NOT FOR CONSTRUCTION**  
2025  
STATE OF CALIFORNIA

**PROJECT**  
TRANQUILITY HIGH SCHOOL  
**INCREMENT 2 AQUATIC CENTER MODERNIZATION**  
6052 Juanche Ave,  
Tranquility, CA 93668

**CLIENT**  
GOLDEN PLAINS UNIFIED SCHOOL DISTRICT

**SHEET TITLE**  
BUILDING Q - FLOOR PLAN & DIMENSION PLAN

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH DEPT. APPROVAL

**DATE:** 9/5/2025

**TECHNICIAN:** RT / JL

**PROJECT MANAGER:** TP

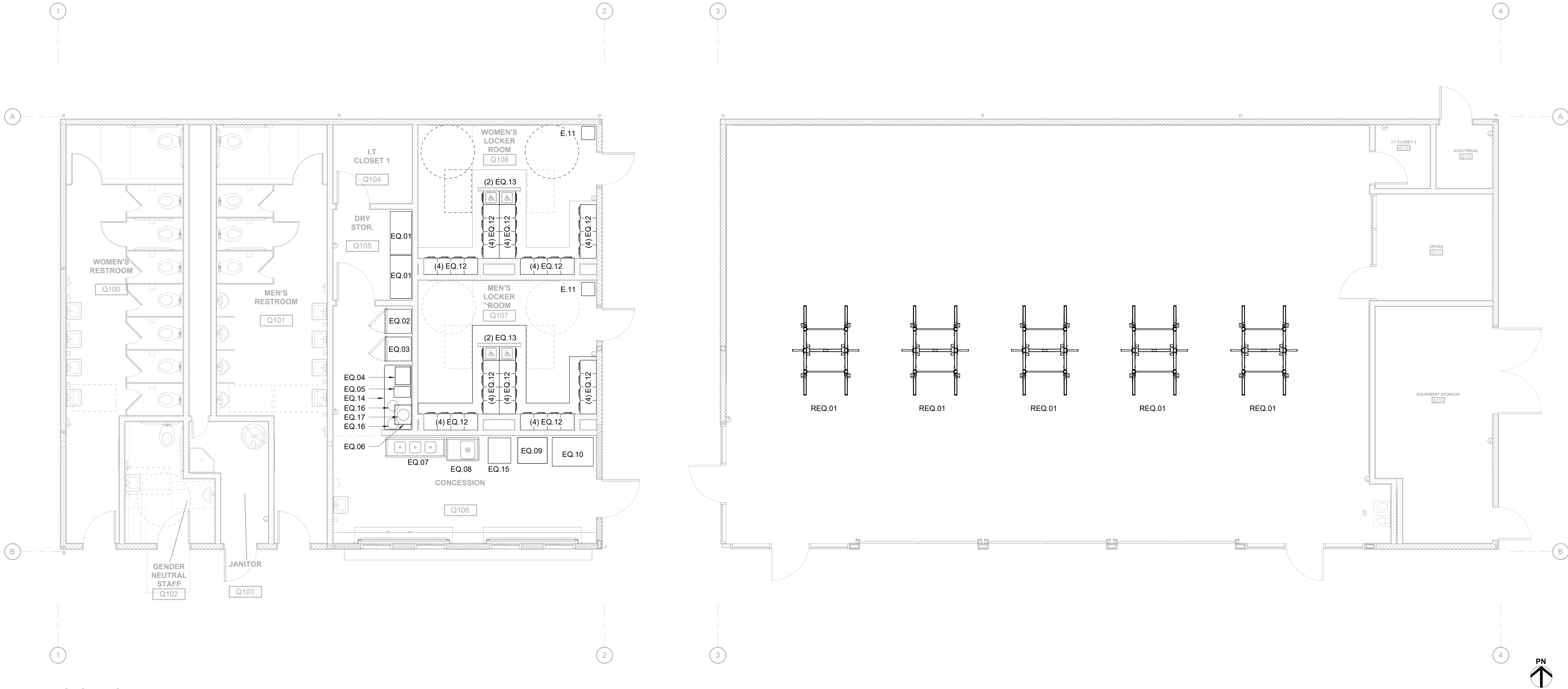
**JOB NUMBER:** 791

SHEET NUMBER

**A2.10-2**

PLOT DATE: 9/4/2025 10:46:39 AM





1 BUILDING Q - EQUIPMENT PLAN

1/4" = 1'-0"

BUILDING Q - EQUIPMENT SCHEDULE											
ID	DESCRIPTION	MANUFACTURER	MODEL	LENGTH (INCH)	HEIGHT (INCH)	DEPTH (INCH)	POWER (Y / N)	MOBILITY/ WEIGHT	ANCHORED Y/N	QUANTITY	REMARKS
EQ.01	STAINLESS STEEL MOBILE SHELVING	ULINE	H-9489	48	78	24	N	MOBILE 98 LBS	N	2	A
EQ.02	FREEZER	TRUE MANUFACTURING	T-23F-HC	27	78 3/8	29 1/2	Y	MOBILE 198 LBS	N	1	A
EQ.03	BEVERAGE REFRIDGERATOR	TRUE MANUFACTURING	T-23G-HC	27	78 3/8	29 7/8	Y	MOBILE 215 LBS	N	1	A
EQ.04	POPCORN MAKER	SILVER SCREEN 8	11087	20	30	17	Y	61 LBS	N	1	A
EQ.05	AGUA FRESCA DISPENSER	VOLLRATH	VBBE3-37-F	12	16	18 1/2	Y	83.4 LBS	N	1	A
EQ.06	COMMERCIAL MICROWAVE WITH STAINLESS STEEL SHELF	AMANA	RCS10DSE	22	13 7/8	19	Y	41 LBS	N	1	A
EQ.07	STAINLESS STEEL 3 COMPARTMENT COMMERCIAL SINK	ADVANCE TABCO	FE-3-1416-12RLX	66	-	21 3/4	N	98 LBS	N	1	B
EQ.08	STAINLESS STEEL FOOD PREPARATION SINK	ADVANCE TABCO	FE-1-1620-18L-X	36 1/2	-	25 3/4	N	155 LBS	N	1	B,C
EQ.09	HOLDING/PROOFING CABINET	KRATOS	28W-234	33.12	71.15	29.69	Y	140 LBS	N	1	A
EQ.10	3-WELL HOT FOOD TABLE	VOLLRATH	38103	46	34	32	Y	140 LBS	N	1	A
EQ.11	SWIMSUIT WATER EXTRACTOR	SUITEMATE	EC3	15	23	15	Y	56 LBS	Y	1	B
EQ.12	2 TIER METAL LOCKER	PENCO	WELDED GEN2	15	60	18	N	66 LBS	Y	80	B
EQ.13	1 TIER METAL LOCKER	PENCO	WELDED GEN2	15	60	18	N	66 LBS	Y	4	B
EQ.14	STAINLESS STEEL MOBILE TABLE WITH SHELF AND BACKSPLASH	KRATOS	28W-008	72	34	30	N	MOBILE 78 LBS	MOBILE 78 LBS	1	A
EQ.15	ICE MACHINE	MANITOWOC	UYF-0240A	26	44 1/2	28 1/2	Y	129 LBS	129 LBS	1	A
EQ.16	11 QT. SLOW COOKER	VOLLRATH	74110110 & 47494	13 7/8"	13 1/2"	13 7/8"	Y	14 LBS	129 LBS	2	A
EQ.17	3.5 QT. SLOW COOKER	CARNIVAL KING	RWS35	13	15 1/2	13	Y	14 LBS		1	A

BUILDING Q - EQUIPMENT SCHEDULE

ID	DESCRIPTION	MANUFACTURER	MODEL	LENGTH (INCH)	HEIGHT (INCH)	DEPTH (INCH)	POWER (Y / N)	QUANTITY	MOBILITY/ WEIGHT	ANCHORED Y/N	REMARKS
REQ.01	WEIGHT LIFTING RACK	TITAN	G2	100	92.33	74.55	N	5	MOBILE 260.76 LBS C.G. 46" x 48"	N	A

BUILDING R - EQUIPMENT SCHEDULE

- A. OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT  
B. CONTACTOR FURNISHED, CONTRACTOR INSTALLED EQUIPMENT  
C. PROVIDE A 6" TALL STAINLESS STEEL SPLASH GUARD ATTACHED TO FOOD PREPARATION SINK.

REMARKS

COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bridget Ryan* DATE: **9-5-25**  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION

COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bridget Ryan* DATE: **9-5-25**  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION

**AGD**  
ARCHITECTURE | DESIGN

ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us

These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright 2025

**REVISIONS**  
REV # | REV DATE | REV DESCRIPTION

SEAL

**NOT FOR CONSTRUCTION**

LICENSED ARCHITECT  
ANTON  
2025  
STATE OF CALIFORNIA

**PROJECT**

TRANQUILLITY HIGH SCHOOL  
INCREMENT 2 AQUATIC CENTER MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

**CLIENT**

GOLDEN PLAINS UNIFIED SCHOOL DISTRICT

**SHEET TITLE**  
BUILDING Q - EQUIPMENT PLAN

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH DEPT. APPROVAL

**DATE:** 9/5/2025

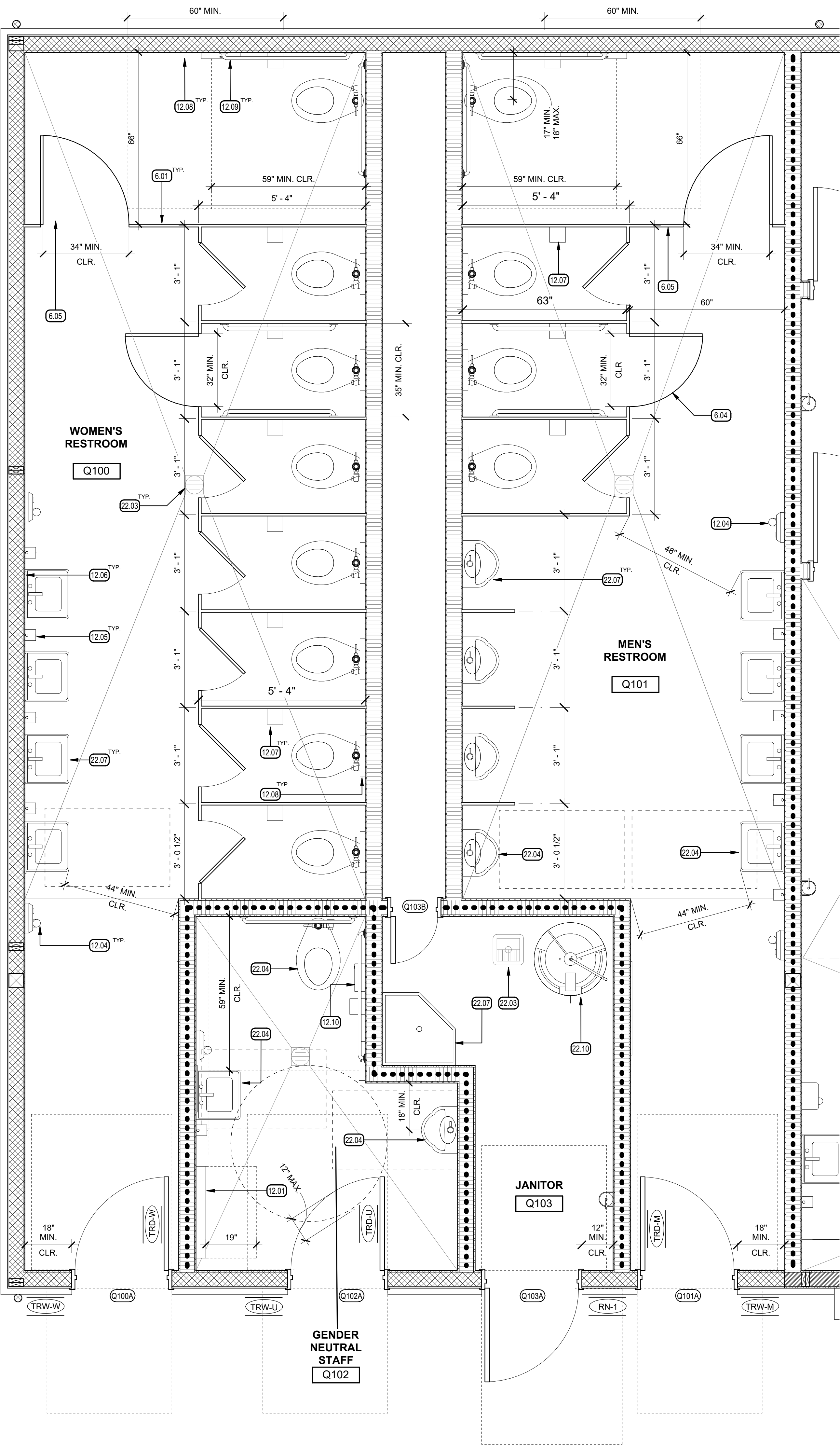
**TECHNICIAN:** RT / JL

**PROJECT MANAGER:** TP

**JOB NUMBER:** 791  
SHEET NUMBER  
**A2.11-2**

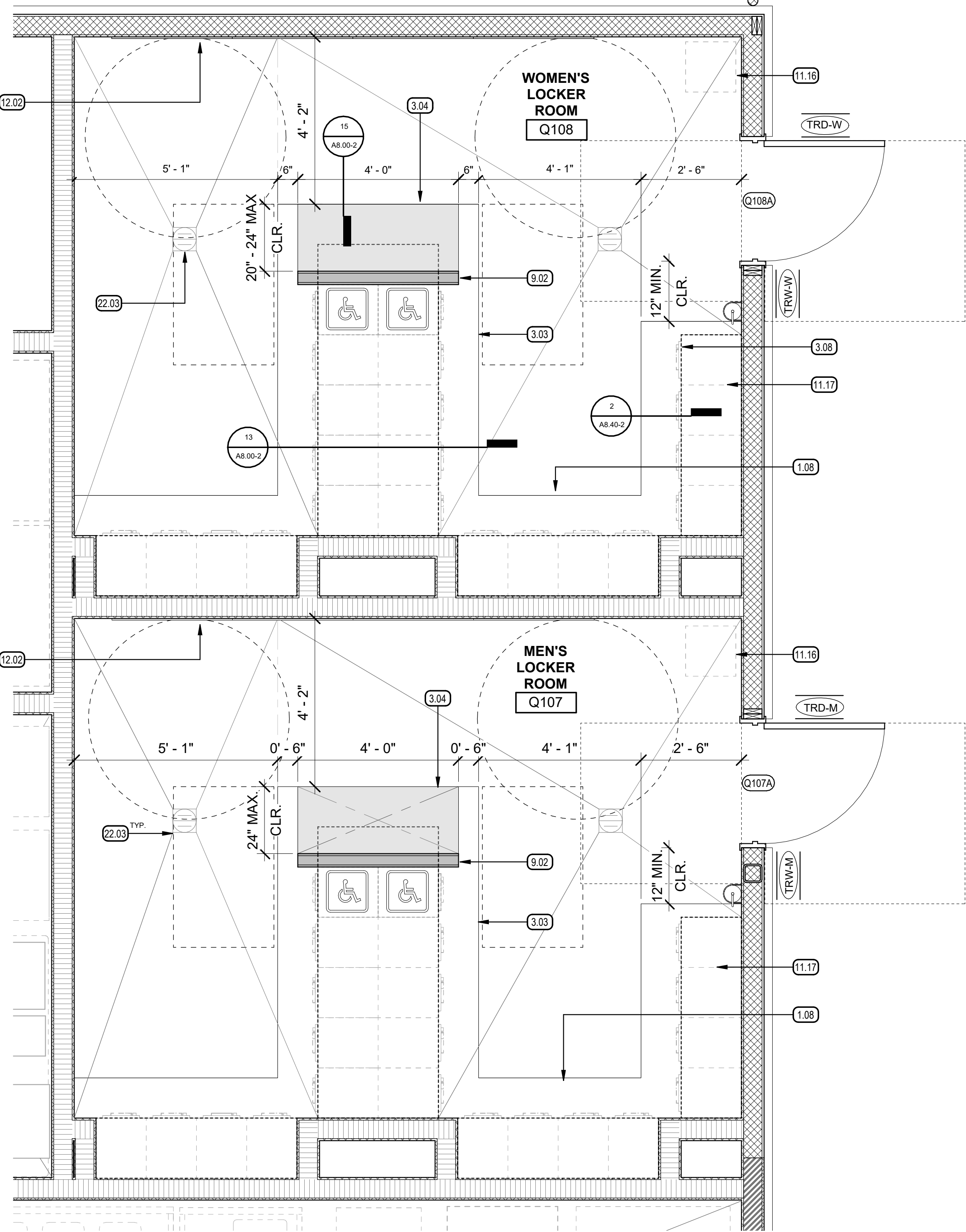
PLOT DATE: 9/4/2025 10:46:40 AM





**BUILDING Q - RESTROOM PLAN**

1/2" = 1'-0"



**BUILDING Q - ENLARGED LOCKER ROOM PLAN**

1/2" = 1'-0"

- 1.08 SITE CONTRACTOR VERIFY LOCKER CLEARANCE REQUIREMENTS PRIOR TO WALL CONSTRUCTION.
- 3.03 CONCRETE BENCH, SEE DETAIL 2 / A8.40-2 13 / A8.00-2 15 / A8.00-2
- 3.04 ACCESSIBLE BENCH AREA, TYP.
- 3.08 8 THICK CONCRETE LOW WALL BY SITE CONTRACTOR PROVIDE A THICKENED SLAB, TYP. PER DETAIL 3 / A8.00-2
- 6.01 TOILET PARTITION, TYP.
- 6.04 AMBULATORY TOILET COMPARTMENT, SEE 4 / A8.00-2
- 6.05 ACCESSIBLE TOILET COMPARTMENT, SEE 5 / A8.00-2
- 9.02 CERAMIC TILE WALL, SEE FLOOR PLAN FOR EXTENT ALONG WALL.
- 11.16 SWIMSUIT WATER EXTRACTOR, SEE EQUIPMENT PLAN
- 11.17 LOCKERS, SEE EQUIPMENT PLAN INTERIOR ELEVATIONS
- 12.01 DIAPER CHANGING STATION, SEE A8.00-2 A9.00-2 FOR MOUNTING HEIGHT MODEL
- 12.02 MIRROR, TYP. OF (4), SEE INTERIOR ELEVATIONS.
- 12.04 HAND DRYER, SEE A8.00-2 A9.00-2 FOR MOUNTING HEIGHT MODEL
- 12.05 SOAP DISPENSER, SEE A8.00-2 A9.00-2 FOR MOUNTING HEIGHT MODEL
- 12.06 MIRROR, SEE A8.00-2 A9.00-2 FOR MOUNTING HEIGHT MODEL
- 12.07 TOILET TISSUE DISPENSER, SEE A8.00-2 A9.00-2 FOR MOUNTING HEIGHT MODEL
- 12.08 TOILET SEAT COVER DISPENSER, SEE A8.00-2 A9.00-2 FOR MOUNTING HEIGHT MODEL
- 12.09 GRAB BAR, SEE A8.00-2 A9.00-2 FOR MOUNTING HEIGHT MODEL
- 12.10 SANITARY NAPKIN DISPOSAL, SEE A8.00-2 A9.00-2 FOR MOUNTING HEIGHT MODEL
- 22.03 FLOOR DRAIN, SEE PLUMBING.
- 22.04 ACCESSIBLE PLUMBING FIXTURE, SEE PLUMBING.
- 22.07 PLUMBING FIXTURE, SEE PLUMBING.
- 22.10 WATER HEATER, SEE MECHANICAL PLUMBING

## KEYNOTES

- MINIMUM 30"x48" WHEELCHAIR CLEAR SPACE
- MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE
- 3" DIAMETER GALVANIZED SCHEDULE 40 METAL DOWNSPOUT.
- WALL SIGNAGE, SEE A8.20-2
- DOOR REFERENCE SEE DOOR SCHEDULE ON SHEET A7.00
- BRACKET MOUNTED FIRE EXTINGUISHER, SEE 10 / A8.00-2
- 2X4 NON-LOAD BEARING PARTITION WITH GYPSUM BOARD WALL FINISH
- WOOD STUD WALL
- FULL HEIGHT WALLS TO UNDERSIDE OF DECK AND/OR STRUCTURE
- VERTICAL METAL WALL PANEL OVER 1 1/2" METAL FURRING OVER WEATHER BARRIER OVER RIGID INSULATION OVER SHEATHING OVER 2X8 WOOD STUD WALL WITH BATT INSULATION, SEE DETAIL 7 / A8.40-2
- HORIZONTAL METAL WALL PANEL OVER 7/8" METAL FURRING OVER WEATHER BARRIER OVER RIGID INSULATION OVER SHEATHING OVER 2X8 WOOD STUD WALL WITH BATT INSULATION, SEE DETAIL 6 / A8.40-2
- 2X8 WOOD STUD WALL WITH SOUND BATT INSULATION AND GYPSUM BOARD EACH SIDE AND FINISH PER SCHEDULE, SEE DETAIL 5 / A8.40-2

## LEGEND

- A. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE MOUNTING HEIGHTS AND CLEARANCES, SEE 6 / A8.00-2
- B. PROVIDE FIRE EXTINGUISHER: CLASS 2A: 10B:C MIN. PER NFPA 10, ONE FOR EVERY 3,000 S.F. OR PORTION THEREOF & TRAVEL DISTANCE NOT TO EXCEED 75'-0".
- C. ALL DIMENSIONS TO FACE OF STUD, U.N.O. DIMENSIONS WITH "MIN.", "CLR.", ARE MEASURED FROM FACE OF WALL FINISH.
- D. TYP. INTERIOR WALL FINISH FOR STUD WALLS: 5/8" TYPE 'X' GYP. BD., WATER RESISTANT TYPE IN RESTROOMS WHERE LOCATED WITHIN 2'-0" OF THE FRONT AND/OR SIDES OF PLUMBING FIXT. GYP. BD., APPLICATION SHALL COMPLY w/ CBC SECTION 2508. GYP. BD. SHALL BE FASTENED TO SUPPORTS w/ SCREWS.
- E. ACOUSTICAL INSULATION: ALL INTERIOR STUD WALLS OF THE FOLLOWING SPACES SHALL BE INSULATED w/ ACOUSTICAL INSULATION:
- a. ALL WALLS & CEILING OF: PRIVATE OFFICES, ELECTRICAL/ MECH. ROOMS, TOILET ROOMS, LOCKER ROOMS.
- F. FOR ACCESSIBLE DOOR MANEUVERING CLEARANCES, SEE 23 / A8.00-2
- G. FOR ACCESSIBLE SINK KNEE/TOE SPACE, SEE 1 / A8.00-2
- H. LOCKER ROOM WALL SUBSTRATE AND WALL FINISH AND BASE SHALL BE PROVIDED BY SITE CONTRACTOR
- I. PROVIDE WALL BACKING SUPPORT FOR ALL WALL MOUNTED ITEMS, SEE DETAIL 11 / A8.00-2
- J. FOR FIRE EXTINGUISHER MOUNTING BRACKET, SEE 10 / A8.00-2
- K. FOR SIGNAGE DETAILS, SEE A8.20
- L. FOR ACCESSIBLE LOCKER & CLEARANCES, SEE 7 / A8.00-2
- M. WATER CLOSETS AND URINALS SHALL BE CENTERED IN TOILET COMPARTMENT UNLESS NOTED OTHERWISE
- N. SLOPE CONCRETE SLAB TO FLOOR DRAIN, 1 1/2% MAX. SLOPE.
- O. GRID LINES ARE TO FACE OF CONCRETE CURB, SEE STRUCTURAL AND DETAILS 3 & 4 SHEET A8.40-2

## GENERAL NOTES

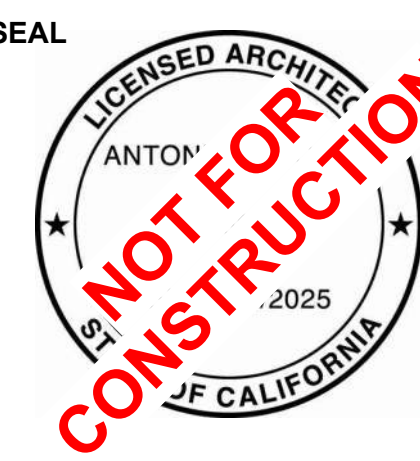
COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bridget Ryan* DATE: **9-5-25**  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION

**AGD**  
ARCHITECTURE | DESIGN

ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us

These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright 2025

**REVISIONS**  
REV # | REV DATE | REV DESCRIPTION



**PROJECT**

TRANQUILITY HIGH SCHOOL  
INCREMENT 2 AQUATIC CENTER MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

**CLIENT**

GOLDEN PLAINS UNIFIED SCHOOL DISTRICT

**SHEET TITLE**

BUILDING Q - ENLARGED LOCKER ROOM PLAN, RESTROOM PLAN & DETAILS

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH DEPT. APPROVAL

**DATE:** 9/5/2025

**TECHNICIAN:** RT / JL

**PROJECT MANAGER:** TP

**JOB NUMBER:** 791

SHEET NUMBER

**A2.12-2**

PLOT DATE: 9/4/2025 10:46:42 AM



IG-C CLEAR INSULATED GLASS  
IMP INSULATED METAL INFILL PANEL  
TIG-C CLEAR INSULATED TEMPERED GLASS  
TG-C CLEAR TEMPERED GLASS

### GLAZING TYPE ABBREVIATIONS

- A. GLAZING HAZARDOUS LOCATIONS DESCRIBED IN THE 2022 CBC 2406.4 SHALL BE TEMPERED SAFETY GLASS.
- B. EACH PANE OF SAFETY GLASS SHALL BEAR THE MANUFACTURER'S MARK DESIGNATING THE TYPE AND THICKNESS OF THE GLASS OR GLAZING MATERIAL. EACH PANE OF TEMPERED SAFETY GLASS SHALL BE PERMANENTLY IDENTIFIED BY THE MANUFACTURER.
- C. SEE DOOR ELEVATIONS FOR DOOR GLAZING.
- D. FRAMING PERIMETER DIMENSIONS ARE OPENINGS SIZES CONTRACTOR TO VERIFY EXACT FRAME DIMENSIONS.
- E. SLIDING SERVICE WINDOW, MANUFACTURER: CR LAURENCE; MODEL: SW2400, CLEAR ANODIZED OR APPROVED EQUAL

### GENERAL NOTES

### STOREFRONT SCHEDULE

1/4" = 1'-0"

### FINISH SCHEDULE ABBREVIATIONS

- A. SEE SPECIFICATION FOR ITEMS TO BE PAINTED
- B. (1) PAINT COLOR
- C. (1) PAINT COLOR AND (1) ACCENT WALL COLOR
- D. INTERIOR SUBSTRATE AND WALL FINISH BY SITE CONTRACTOR
- E. OWNER FURNISHED, CONTRACTOR INSTALLED
- F. PROVIDE IMPACT RESISTANT GYPSUM BOARD FROM FLOOR UP TO +9'-0" A.F.F.

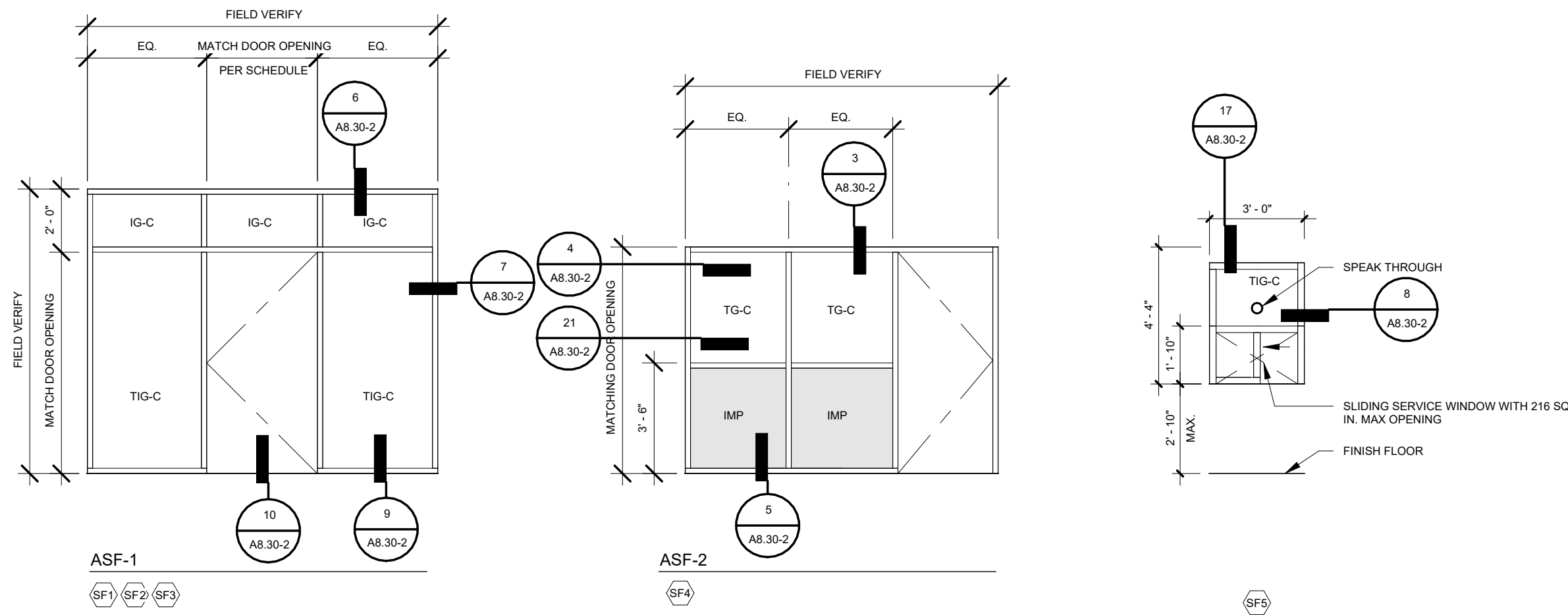
### REMARKS

1. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO UTILIZE SANITARY COVERED BASE 'SLIM FOOT DESIGN' AT ALL ROOMS PLANNED TO RECEIVE A CERAMIC TILE BASE.

### GENERAL NOTES

### FINISH SCHEDULE

1/4" = 1'-0"



### STOREFRONT TYPES

FINISH SCHEDULE																	
ROOM NO.	ROOM NAME	Floor		Base		WALLS								CEILING			REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH	HEIGHT	
Q100	WOMEN'S RESTROOM	RF	FF	CT	FF	CT	FF	CT	FF	CT	FF	CT-3	FF	GB	P	8'-0"	B
Q101	MEN'S RESTROOM	RF	FF	CT	FF	CT	FF	CT	FF	CT	FF	CT-3	FF	GB	P	8'-0"	B
Q102	GENDER NEUTRAL STAFF	RF	FF	CT	FF	FRP	FF	FRP	FF	FRP	FF	GB-1	FF	GB	P	8'-0"	B
Q103	JANITOR	CS	-	CT	FF	CT	FF	CT	FF	CT	FF	CT-3	FF	GB	P	VARIES	B
Q104	I.T CLOSET 1	CS	-	WB	ST	GB	P	GB	P	GB	P	GB-1	P	GB	P	VARIES	B
Q105	DRY STOR.	RF	FF	CT	FF	FRP	FF	FRP	FF	FRP	FF	GB-1	FF	GB	P	8'-0"	B
Q106	CONCESSION	RF	FF	CT	FF	FRP	FF	FRP	FF	FRP	FF	FRP	FF	GB	P	9'-0"	B
Q107	MEN'S LOCKER ROOM	RF	FF	CT	FF	CT	FF	CT	FF	CT	FF	GB-1	FF	GB	P	8'-0"	B, D
Q108	WOMEN'S LOCKER ROOM	RF	FF	CT	FF	CT	FF	CT	FF	CT	FF	GB-1	FF	GB	P	8'-0"	B, D
Q109	WEIGHT ROOM	ARF	FF	WB	ST	GB	P	GB	P	GB	P	GB-1	P	EX	P	VARIES	A, C, E, F
Q110	EQUIPMENT STORAGE	CS	-	WB	ST	GB	P	GB	P	GB	P	GB-1	P	EX	P	VARIES	A
Q111	OFFICE	ARF	FF	RB	FF	GB	P	GB	P	GB	P	GB-1	P	GB	P	8'-0"	B, E
Q112	I.T CLOSET 2	CS	-	WB	ST	GB	P	GB	P	GB	P	GB-1	P	GB	P	VARIES	B
Q113	ELECTRICAL	CS	-	WB	ST	GB	P	GB	P	GB	P	GB-1	P	GB	P	VARIES	B

COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bridget Ryan* DATE: **9-5-25**  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION



ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us

These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright 2025

REVISIONS  
REV # | REV DATE | REV DESCRIPTION



PROJECT  
TRANQUILITY HIGH SCHOOL  
INCREMENT 2 AQUATIC CENTER MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

CLIENT  
GOLDEN PLAINS UNIFIED SCHOOL DISTRICT

SHEET TITLE  
BUILDING Q - DOOR, STOREFRONT & FINISH SCHEDULES

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH DEPT. APPROVAL

DATE: 9/5/2025

TECHNICIAN: RT / JL

PROJECT MANAGER: TP

JOB NUMBER: 791

SHEET NUMBER

A7.00-2

PLOT DATE: 9/4/2025 5:08:00 PM



These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright: 2025

REVISIONS		
REV #	REV DATE	REV DESCRIPTION



PROJECT

TRANQUILITY HIGH SCHOOL  
INCREMENT 2 AQUATIC CENTER MODERNIZATION  
6052 Juanche Ave,  
Tranquility, CA 93668

CLIENT

GOLDEN PLAINS UNIFIED SCHOOL DISTRICT

SHEET TITLE

OPENING DETAILS

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH DEPT. APPROVAL

DATE: 9/5/2025

TECHNICIAN: RT / JL

PROJECT MANAGER: TP

JOB NUMBER: 791  
SHEET NUMBER

A8.30-2

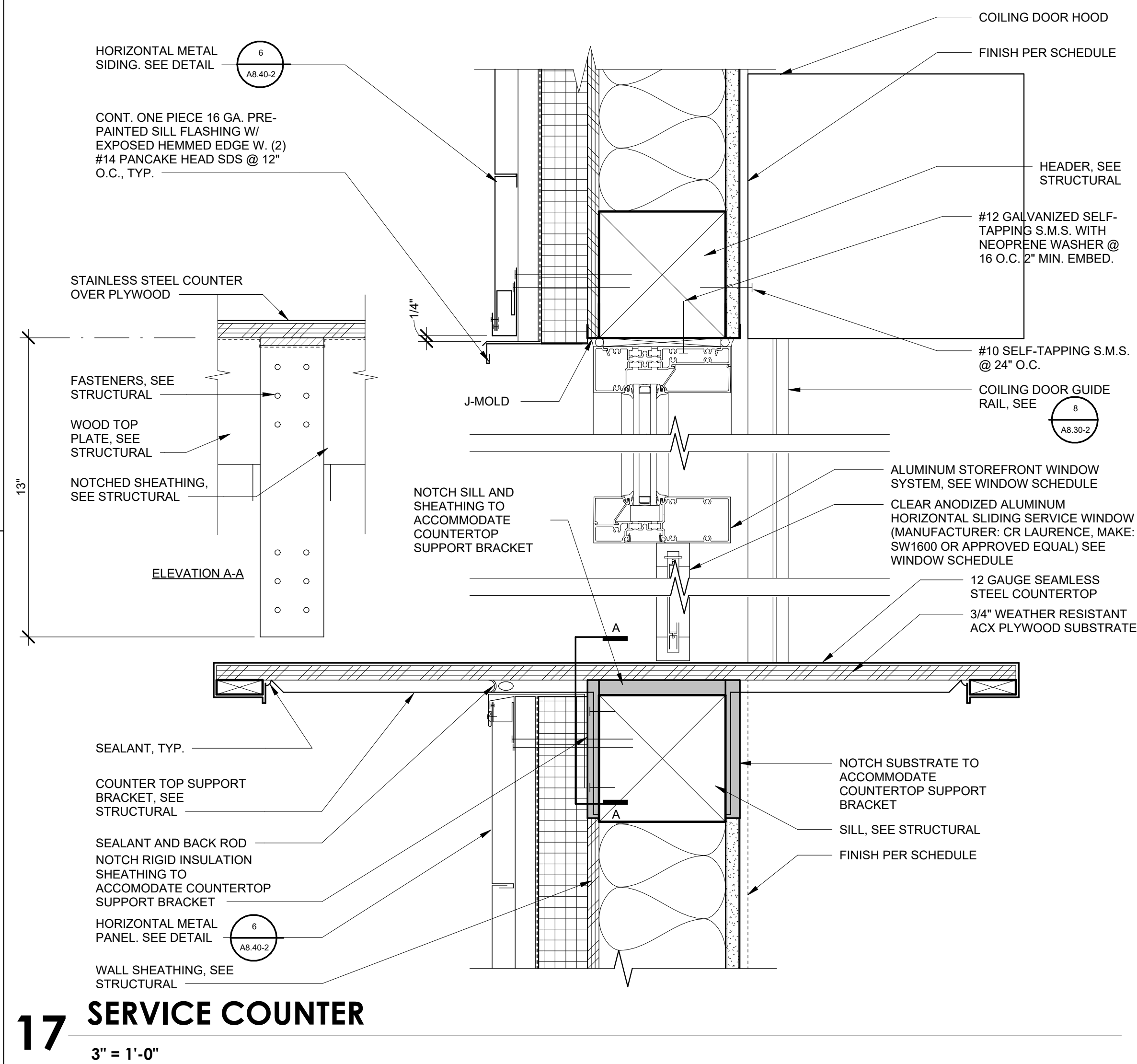
COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357

APPROVED

WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS

BY: *Bibek K. Karna* DATE: 9-5-25

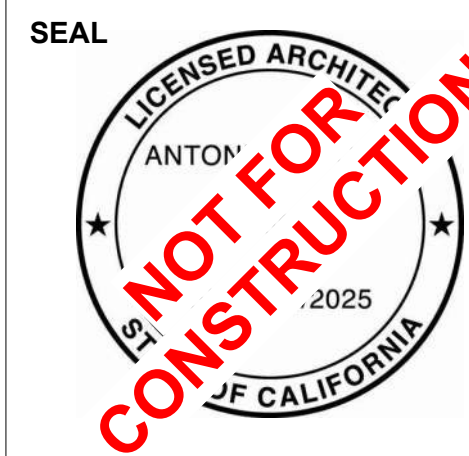
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION





These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright 2025

REVISIONS		
REV #	REV DATE	REV DESCRIPTION



PROJECT

TRANQUILITY HIGH SCHOOL  
INCREMENT 2 AQUATIC CENTER MODERNIZATION  
6052 Juanche Ave,  
Tranquility, CA 93668

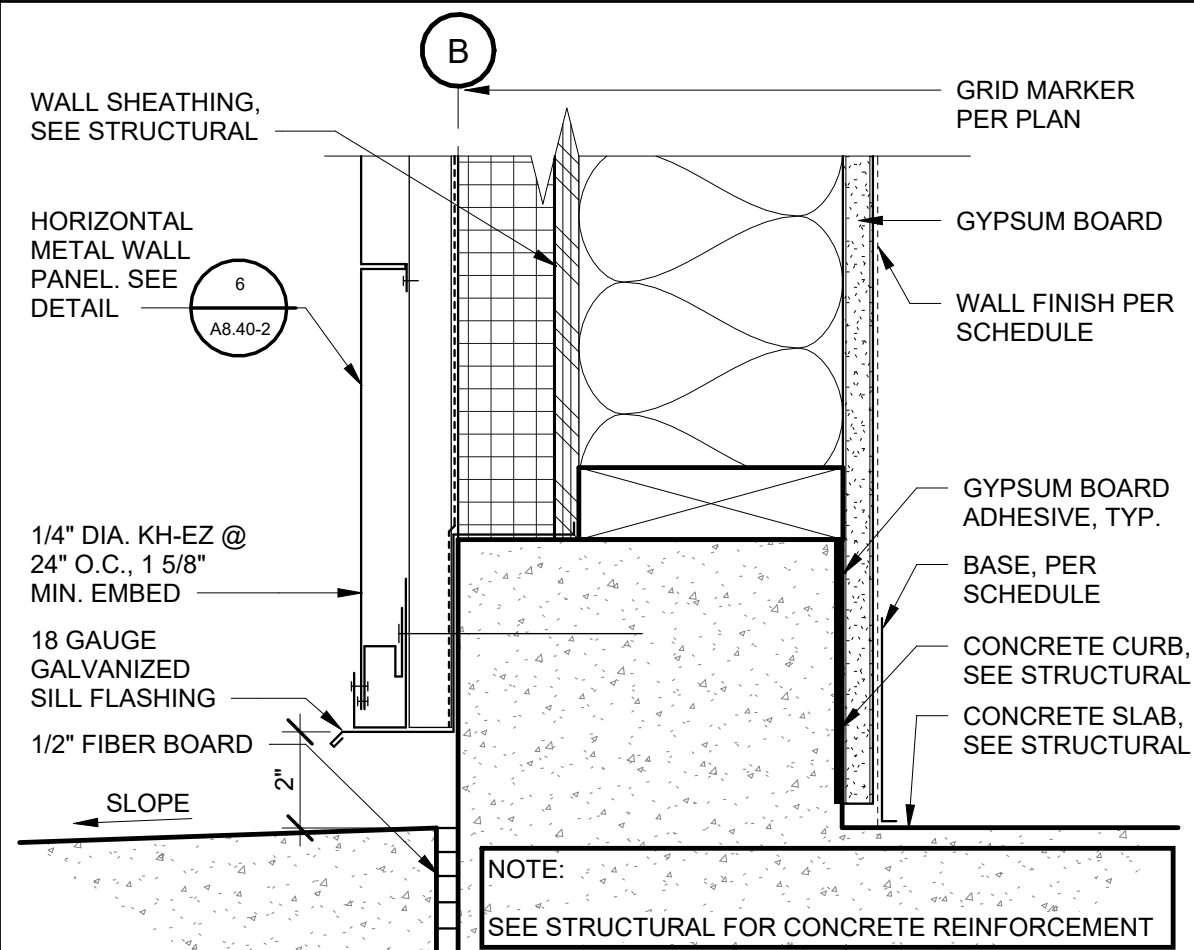
CLIENT

GOLDEN PLAINS  
UNIFIED SCHOOL DISTRICT

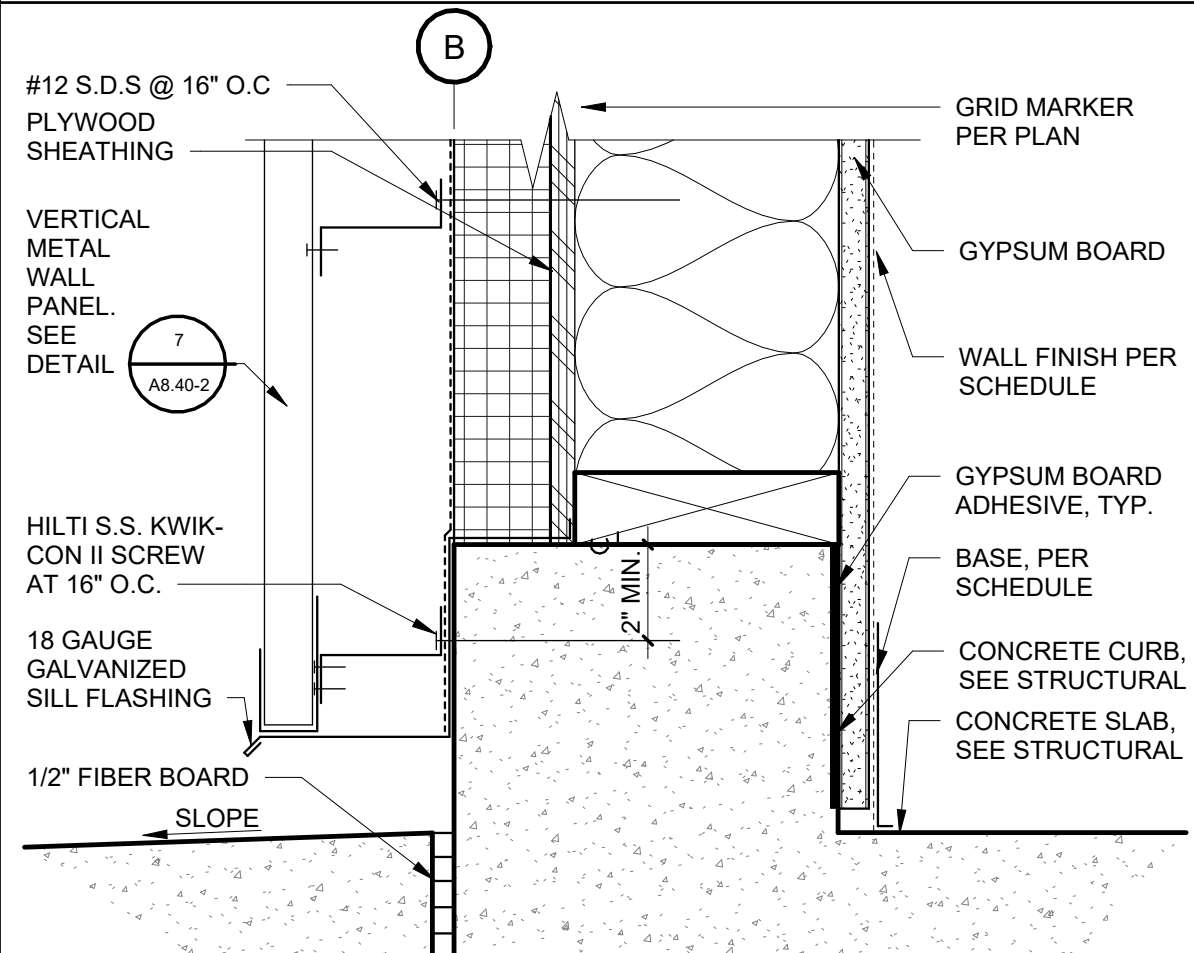
SHEET TITLE

WALL DETAILS

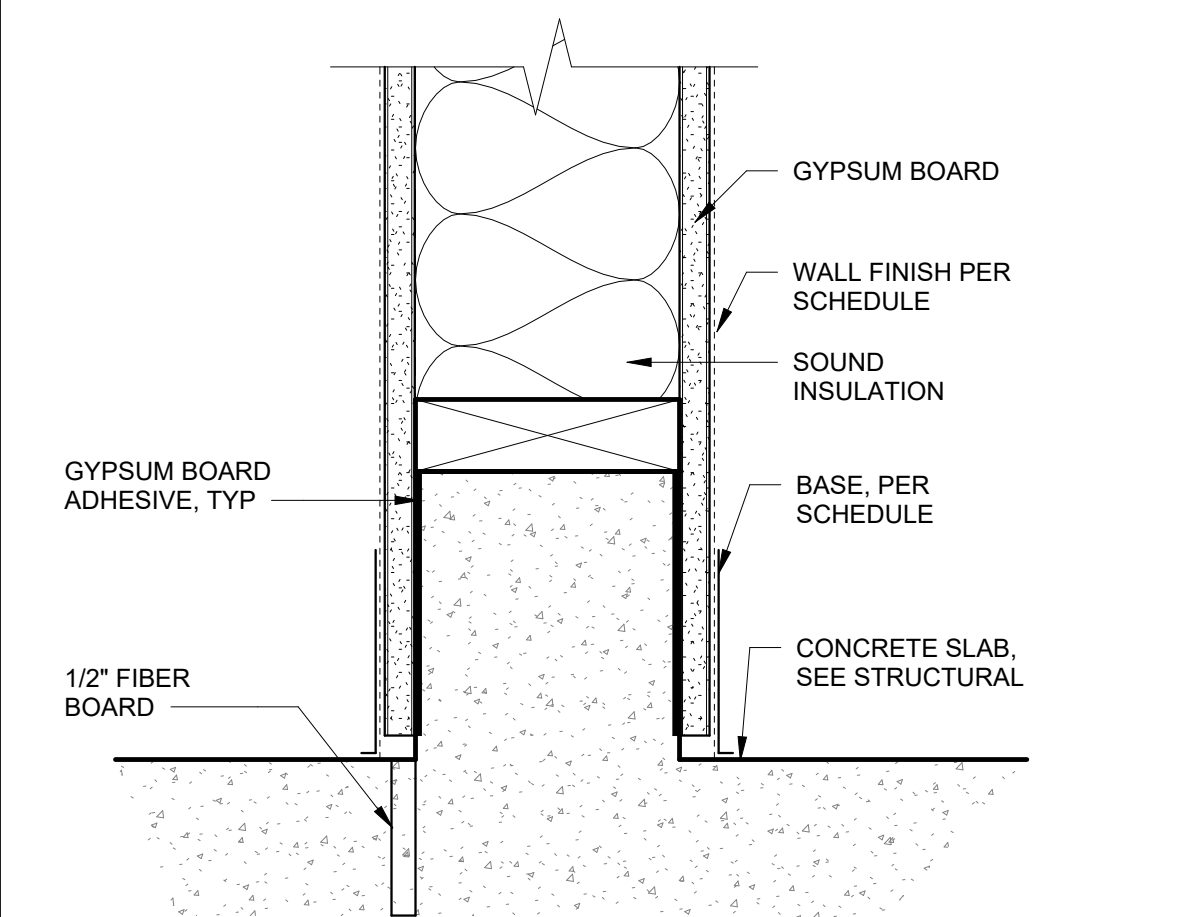
PHASE DESCRIPTION 100% CD FRESNO CO. HEALTH DEPT. APPROVAL	
DATE:	9/5/2025
TECHNICIAN:	RT / JL
PROJECT MANAGER:	TP
JOB NUMBER:	791
SHEET NUMBER	
A8.40-2	



3 SILL AT HORIZ. SIDING  
3" = 1'-0"



4 SILL AT VERT. SIDING  
3" = 1'-0"



5 TYP. INT. SILL  
3" = 1'-0"

COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357

APPROVED




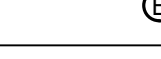
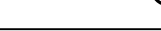
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS

BY: *Bridget Ryan* DATE: 9-5-25







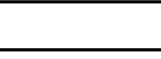


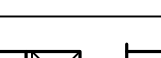
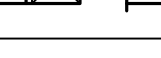

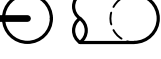


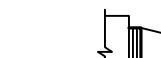
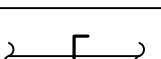

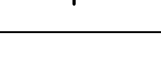
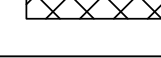

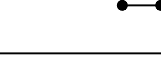
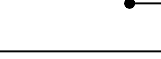
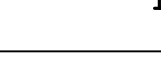

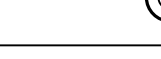
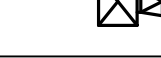
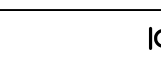
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION



MECHANICAL ABBREVIATIONS			
AC	AIR CONDITION; AIR CONDITIONING, AIR CONDITIONED	HP	HORSE POWER
ABV	ABOVE	HVI	HOME VENTILATING INSTITUTE
AFF	ABOVE FINISHED FLOOR	HZ	HERTZ
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	IDU	INDOOR UNIT
AHJ	AUTHORITY HAVING JURISDICTION	IWC	INCHES OF WATER COLUMN
AHU	AIR HANDLING UNIT	KW	KILOWATT
ALUM	ALUMINUM	LBS	POUNDS
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION	LWT	LEAVING WATER TEMPERATURE
AMB	AMBIENT	MBH	1000 BRITISH THERMAL UNITS PER HOUR
AP	ACCESS PANEL	MA	MINIMUM CIRCUIT AMPS
ARCH	ARCHITECT, ARCHITECTURAL	MGR	MANUFACTURE OR MANUFACTURER
AHRI	AIR CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE	MIN	MINIMUM
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS	MJA	MAKE-UP AIR
BDD	BACK DRAFT DAMPER	(N)	NEW
BOD	BASIS OF DESIGN	NL	NOT LISTED
BEL	BELOW	NOM	NOMINAL
BHP	BRAKE HORSE POWER	NTS	NOT TO SCALE
BLDG	BUILDING	OAI	OUTSIDE AIR INTAKE
BTUH	BRITISH THERMAL UNIT PER HOUR	ODB	OPPOSED BLADE DAMPER
CA	COMBUSTION AIR	ODU	OUTDOOR UNIT
CD	CONDENSATE DRAIN	OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
CFD	CEILING FIRE DAMPER	PD	PRESSURE DROP
CFM	CUBIC FEET PER MINUTE	PSI	POUNDS PER SQUARE INCH
CONT	CONTINUATION	RA	RETURN AIR
CSD	CEILING SMOKE DAMPER	REFRIG	REFRIGERANT, REFRIGERATION
DB	DRY BULB TEMPERATURE	RM	ROOM
DN	DOWN	RPM	REVOLUTIONS PER MINUTE
DSA	DIVISION OF THE STATE ARCHITECT	SA	SUPPLY AIR
OTR	DOWN THROUGH ROOF	SEER	SEASONAL ENERGY EFFICIENCY RATION
(E)	EXISTING	SHT	SHEET
EA	EXHAUST AIR	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
EC	EVAPORATIVE COOLER	SP	STATIC PRESSURE
EDB	ENTERING DRY BULB TEMPERATURE	SS	STAINLESS STEEL
EER	ENERGY EFFICIENCY RATIO	SSE	STEADY STATE EFFICIENCY
EFF	EFFICIENCY	SST	SATURATED SUCTION TEMPERATURE
ELEC	ELECTRICAL	TEMP	TEMPORARY, TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE	TSP	TOTAL STATIC PRESSURE
EWB	ENTERING WET BULB	TYP	TYPICAL
EWT	ENTERING WATER TEMPERATURE	TVX	THERMAL EXPANSION VALVE
FA	FROM ABOVE	UCN	UNLESS OTHERWISE NOTED
FC	FLEXIBLE CONNECTION	UTR	UP TO OR UP THROUGH ROOF
FD	FIRE DAMPER	VD	VOLUME DAMPER
FLA	FULL LOAD AMPS	VEK	VEHICLE EXHAUST SYSTEM
FPM	FEET PER MINUTE	VRF	VARIABLE REFRIGERANT VOLUME
FSC	FAN SPEED CONTROLLER	WB	WET BULB TEMPERATURE
FSD	FIRE/SMOKE DAMPER	WC	WATER COLUMN
GA	GAGE, GAUGE	WG	WATER GAUGE
GALV	GALVANIZED	WT	WEIGHT EXPRESSED IN POUNDS
QPM	GALLONS PER MINUTE		
GYP	GYPSIUM		
HD	HEAD		

CONTROLS LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
 EF-X	FSC	FAN SPEED CONTROLLER, SUBSCRIPT INDICATES ASSOCIATED FAN
 EF-X		SINGLE POLE SWITCH, SUBSCRIPT INDICATES ASSOCIATED FAN
 AC-#		THERMOSTAT, SUBSCRIPT INDICATES UNIT CONTROLLED
 ERV	ERV	ENERGY RECOVERY VENTILATOR CONTROLLER
 TI	TI	TIMER

CAL GREEN CODE NONRESIDENTIAL MANDATORY MEASURES	
DIVISION 5.4-MATERIAL CONSERVATION AND RESOURCE EFFICIENCY	
5.410.2 COMMISSIONING. FOR NEW BUILDINGS 10,000 SQUARE FEET AND OVER, BUILDING COMMISSIONING SHALL BE INCLUDED IN THE DESIGN AND CONSTRUCTION PROCESSES OF THE BUILDING PROJECT TO VERIFY THAT THE BUILDING SYSTEMS AND COMPONENTS MEET THE OWNER'S OR OWNER REPRESENTATIVE'S PROJECT REQUIREMENTS.	
REFER TO THE PROJECT SPECIFICATIONS FOR COMMISSIONING REQUIREMENTS.	
5.410.4 TESTING AND ADJUSTING. TESTING AND ADJUSTING OF SYSTEMS SHALL BE REQUIRED FOR NEW BUILDINGS LESS THAN 10,000 SQUARE FEET OR NEW SYSTEMS TO SERVE AN ADDITION OR ALTERATION SUBJECT TO 2022 CCBSC 303.1.	
5.410.4.2 SYSTEMS. DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND ADJUSTING SYSTEMS. SYSTEMS TO BE INCLUDED FOR TESTING AND ADJUSTING SHALL INCLUDE AT A MINIMUM, AS APPLICABLE TO THE PROJECT:	
1. HVAC SYSTEMS AND CONTROLS	
2. WATER HEATING SYSTEMS	
3. WATER REUSE SYSTEMS	
5.410.4.3 PROCEDURES. PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND APPLICABLE STANDARDS ON EACH SYSTEM.	
AT A MINIMUM THE MECHANICAL CONTRACTOR SHALL OBTAIN THE LATEST START-UP CHECK LIST(S) FROM THE EQUIPMENT MANUFACTURER AND PERFORM ALL TESTS AND CHECKS APPLICABLE. AFTER COMPLETION OF THE START-UP CHECK LIST THE MECHANICAL CONTRACTOR SHALL MAKE ADJUSTMENTS TO PUT THE EQUIPMENT IN PEAK WORKING ORDER. MECHANICAL CONTRACTOR SHALL DOCUMENT ALL WORK PERFORMED, CLOSE OUT DOCUMENTATION PROVIDED TO THE GENERAL CONTRACTOR SHALL INCLUDE ALL COMPLETED CHECK LIST(S) AND DOCUMENTATION FOR ANY WORK PERFORMED. THE GENERAL CONTRACTOR SHALL SUBMIT THE CHECK LIST(S) AND WORK DOCUMENTATION TO ENGINEER OF RECORD.	
5.410.4.3.1 HVAC BALANCING. IN ADDITION TO TESTING AND ADJUSTING, BEFORE A NEW SPACE-CONDITIONING SYSTEM SERVING A BUILDING OR SPACE IS OPERATED FOR NORMAL USE, THE SYSTEM SHALL BE BALANCED IN ACCORDANCE WITH THE PROCEDURES DEFINED BY THE TESTING AND ADJUSTING AND BALANCING BUREAU NATIONAL STANDARDS, THE NATIONAL ENVIRONMENTAL BALANCING BUREAU PROCEDURAL STANDARDS, ASSOCIATED AIR BALANCE COUNCIL NATIONAL STANDARDS OR AS APPROVED BY THE BUILDING ENFORCING AGENCY.	
SEE SPECIFICATION SECTION 23 00 13 FOR HVAC BALANCING REQUIREMENTS.	
5.410.4.4 REPORTING. AFTER COMPLETION OF TESTING, ADJUSTING AND BALANCING, PROVIDE A FINAL REPORT OF TESTING SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.	
5.410.4.5 OPERATION AND MAINTENANCE (O&M) MANUAL. PROVIDE THE BUILDING OWNER OR REPRESENTATIVE WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTEES/WARRANTIES FOR EACH SYSTEM. O&M INSTRUCTIONS SHALL BE CONSISTENT WITH OSHA REQUIREMENTS IN 29 CFR, TITLE 8, SECTION 5142, AND OTHER RELATED REGULATIONS.	
5.410.4.5.1 INSPECTIONS AND REPORTS. INCLUDE A COPY OF ALL INSPECTION VERIFICATIONS AND REPORTS REQUIRED BY THE ENFORCING AGENCY.	
DIVISION 5.5-ENVIRONMENTAL QUALITY	
SECTION 5.504 POLLUTANT CONTROL	
5.504.1 TEMPORARY VENTILATION. THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8, BASED ON ASHRAE 52.2-1998, OR AN AVERAGE EFFICIENCY OF 30% BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY. OR, IF THE BUILDING IS OCCUPIED DURING ALTERATION, AT THE CONCLUSION OF CONSTRUCTION.	
5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.	
5.504.4.1 ADHESIVES, SEALANTS AND CAULKS. ADHESIVES, SEALANTS, AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS:	
1. ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE, OR SCQADM RULE 1168 VOC LIMITS, AS SHOWN IN TABLES 5.504.4.1 AND 5.504.4.2. SUCH PRODUCTS ALSO SHALL COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC COMPOUNDS (CHLOROFORM, ETHYLENE DICHLORIDE, METHYLENE CHLORIDE, PENTACHLOROETHYLENE AND TRICHLOROETHYLENE), EXCEPT FOR AEROSOL PRODUCTS AS SPECIFIED IN SUBSECTION 2, BELOW.	
2. AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGINGS, WHICH DO NOT WEIGH MORE THAN ONE POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507.	
TABLE 5.504.4.1 ADHESIVE VOC LIMIT LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS PER LITER SPECIALTY APPLICATIONS CURRENT VOC LIMIT	
PVC WELDING C/PVC WELDING ABS WELDING SPECIAL PURPOSE CONTACT ADHESIVE	
510 490 325 250	
1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.	
2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168. HTTP://WWW.ARB.CA.GOV/DORS/SCQADM/1168.PDF	
5.504.5.3 FILTERS. IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 13. MERV 13 FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY, AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL. FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INDICATING THE MERV RATING.	
EXCEPTIONS: 1. EXISTING MECHANICAL EQUIPMENT.	
SECTION 5.505 INDOOR MOISTURE CONTROL	
5.505.1 INDOOR MOISTURE CONTROL. BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF CALIFORNIA BUILDING CODE, CCR, TITLE 24, PART 2, SECTIONS 1202 (VENTILATION) AND CHAPTER 14 (EXTERIOR WALLS). FOR ADDITIONAL MEASURES NOT APPLICABLE TO LOW-RISE RESIDENTIAL OCCUPANCIES, SEE SECTION 5.407.2 OF THIS CODE.	
SECTION 5.506 INDOOR AIR QUALITY	
5.506.1 OUTSIDE AIR DELIVERY. FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 (REQUIREMENTS FOR VENTILATION) OF THE 2022 CALIFORNIA ENERGY CODE, OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND DIVISION 1, CHAPTER 4 OF CCR, TITLE 8.	
5.506.2 CARBON DIOXIDE (CO2) MONITORING. FOR BUILDINGS OR ADDITIONS EQUIPPED WITH DEMAND CONTROL VENTILATION, CO2 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2022 CALIFORNIA ENERGY CODE, SECTION 120.1(C)(4).	
SECTION 5.508 OUTDOOR AIR QUALITY	
5.508.1 OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS. INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH SECTIONS 5.508.1.1 AND 5.508.1.2.	
5.508.1.1 CHLOROFLUOROCARBONS (CFCs). INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFCs.	
5.508.1.2 HALONS. INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN HALONS.	
SECTION 702.1 INSTALLER TRAINING	
HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS INCLUDING, BUT NOT LIMITED TO, BY A NATIONALLY OR REGIONALLY RECOGNIZED TRAINING DISPLAY OR CERTIFICATION PROGRAM. UNCERTIFIED PERSONS MAY PERFORM HVAC INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS. EXAMPLES OF ACCEPTABLE HVAC TRAINING AND CERTIFICATION PROGRAMS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: 1. STATE CERTIFIED APPRENTICESHIP PROGRAMS. 2. PUBLIC UTILITY TRAINING PROGRAMS. 3. TRAINING PROGRAMS SPONSORED BY TRADE, LABOR OR STATE-WIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATIONS. 4. PROGRAMS SPONSORED BY MANUFACTURING ORGANIZATIONS. 5. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY	

MECHANICAL LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
	DIA	DIAMETER
		ELECTRICAL PHASE
		CEILING MOUNTED SUPPLY OR OUTSIDE AIR DIFFUSER
		CEILING MOUNTED RETURN AIR GRILLE
		CEILING MOUNTED EXHAUST AIR GRILLE
		SIDEWALL MOUNTED SUPPLY AIR DIFFUSER, RETURN AIR GRILLE, LOUVER
	24X12, 24X12 FO	RECTANGULAR, FLAT OVAL DUCT
	24X12L, 120L	LINED DUCT
		RECTANGULAR SUPPLY / OA, RETURN, EXHAUST / RELIEF DUCT PASSING THROUGH PLAIN OF VIEW
		RECTANGULAR SUPPLY / OA, RETURN, EXHAUST / RELIEF DUCT TURNING DOWN
	120	ROUND DUCT
		ROUND DUCT TURNING DOWN, ROUND DUCT TURNING UP
		90° ELBOW WITH TURNING VAINS
		FLEXIBLE DUCT 60" MAX LENGTH
	FC	FLEXIBLE CONNECTION
	VD	MANUAL VOLUME DAMPER
	CVD	CABLE OPERATED VOLUME DAMPER
		ACCESS CLEARANCE
	FD	FIRE DAMPER
	FSD	COMBINATION FIRE/SMOKE DAMPER
	SD	SMOKE DAMPER
		WALL CAP
		ROOF JACK
		ROOF CAP
		CEILING EXHAUST FAN
		REFRIGERATION LINES
		REFRIGERATION ISOLATION VALVE
	22x30 MIN AP	AP

MECHANICAL, ELECTRICAL AND PLUMBING ANCHORAGE NOTE	
1	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 1671A.1-16 THROUGH 1671A.1-26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.
A	ALL PERMANENT EQUIPMENT AND COMPONENTS.
B	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.
C	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.
2	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.
3	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 & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE	
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE SYSTEMS INCLUDING, BUT NOT LIMITED TO, BY A NATIONALLY OR REGIONALLY RECOGNIZED TRAINING DISPLAY OR CERTIFICATION PROGRAM. UNCERTIFIED PERSONS MAY PERFORM HVAC INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS. EXAMPLES OF ACCEPTABLE HVAC TRAINING AND CERTIFICATION PROGRAMS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: 1. STATE CERTIFIED APPRENTICESHIP PROGRAMS. 2. PUBLIC UTILITY TRAINING PROGRAMS. 3. TRAINING PROGRAMS SPONSORED BY TRADE, LABOR OR STATE-WIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATIONS. 4. PROGRAMS SPONSORED BY MANUFACTURING ORGANIZATIONS. 5. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY	
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED SYSTEMS INCLUDING, BUT NOT LIMITED TO, BY A NATIONALLY OR REGIONALLY RECOGNIZED TRAINING DISPLAY OR CERTIFICATION PROGRAM. UNCERTIFIED PERSONS MAY PERFORM HVAC INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS. EXAMPLES OF ACCEPTABLE HVAC TRAINING AND CERTIFICATION PROGRAMS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: 1. STATE CERTIFIED APPRENTICESHIP PROGRAMS. 2. PUBLIC UTILITY TRAINING PROGRAMS. 3. TRAINING PROGRAMS SPONSORED BY TRADE, LABOR OR STATE-WIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATIONS. 4. PROGRAMS SPONSORED BY MANUFACTURING ORGANIZATIONS. 5. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY	
MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E): MP X MD X PP X E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH THE PROJECT SPECIFIC NOTES AND DETAILS MP MD PP E OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PRE-APPROVAL (OPM #) AS INCLUDED IN THESE DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. NOTE: REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ITEMS RELATED TO THE ELECTRICAL SYSTEM. LOW VOLTAGE CONDUIT FOR MECHANICAL SYSTEM CONTROLS SHALL BE IN ACCORDANCE WITH THE ELECTRICAL REQUIREMENTS.	
MECHANICAL SYSTEM ACCEPTANCE TESTING REQUIREMENTS	
ACCEPTANCE TESTING RELATED TO THE MECHANICAL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR AND SHALL BE PERFORMED BY AN ACCEPTANCE TESTING TECHNICIAN WHO HAS BEEN CERTIFIED BY A CALIFORNIA ENERGY COMMISSION APPROVED ACCEPTANCE TEST TECHNICIAN CERTIFICATION PROGRAM. THE TEST AND BALANCE CONTRACTOR CAN ALSO BE THE ACCEPTANCE TESTING TECHNICIAN. FOR APPLICABLE ACCEPTANCE TESTS SEE THE ENERGY COMPLIANCE DOCUMENTATION.	

MECHANICAL GENERAL NOTES	
1	COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING CODES:  2022 CALIFORNIA ADMINISTRATIVE CODE (CAC): PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) 2022 CALIFORNIA BUILDING CODE (CBC): PART 2, TITLE 24 CCR 2022 CALIFORNIA ELECTRICAL CODE (CEC): PART 3, TITLE 24 CCR 2022 CALIFORNIA MECHANICAL CODE (CMC): PART 4, TITLE 24 CCR 2022 CALIFORNIA PLUMBING CODE (CPC): PART 5, TITLE 24 CCR 2022 CALIFORNIA ENERGY CODE (CEC): PART 6, TITLE 24 CCR 2022 CALIFORNIA FIRE CODE (CFC): PART 7, TITLE 24 CCR 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN): PART 11, TITLE 24 CCR  REPORT DEFICIENCIES WITHIN THIRTY (30) DAYS UPON AUTHORIZATION TO PROCEED  2 THESE DRAWINGS ARE A GENERAL GRAPHIC PRESENTATION OF THE WORK. DUCTWORK, PIPING, AND EQUIPMENT, AS SHOWN, ARE SCHEMATIC. FABRICATE AND INSTALL BASED ON ACTUAL FIELD MEASUREMENT. COORDINATE WITH OTHER TRADES. ADHERE TO LOCATIONS AS CLOSELY AS POSSIBLE. VARY RUNS OR SHAPE OF DUCTWORK AS REQUIRED TO MEET STRUCTURAL AND OTHER INTERFERENCES AS REQUIRED BY THE ARCHITECT. PROVIDE A COMPLETE SET OF SHOP DRAWINGS REFLECTING ACTUAL DIMENSIONS, ACCESS REQUIREMENTS, AND DETAILS BASED UPON THE ACTUAL EQUIPMENT PROCURED. MAINTAIN AN UP TO DATE SET OF AS-BUILT DRAWINGS AT THE JOB SITE.  3 THE MECHANICAL CONTRACTOR SHALL COORDINATE ALL ITEMS RELATED TO MECHANICAL SYSTEMS WITH THE WORK OF OTHER TRADES BEFORE PROCEEDING WITH PROCURING OR FABRICATION OF EQUIPMENT, DUCTWORK, PIPING ETC. ITEMS TO BE COORDINATED SHALL INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:  GRILLES, REGISTERS AND DIFFUSERS SHALL BE COORDINATED WITH THE REFLECTED CEILING PLAN.  DUCTWORK LOCATIONS AND POTENTIAL INTERFERENCES WITH STRUCTURAL MEMBERS, FRAMING, FIRE SPRINKLER LINES, PLUMBING WASTE LINES, CABLE TRAYS AND CONDUIT.  OPENINGS REQUIRED IN WALLS, FLOORS OR CEILINGS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND/OR FRAMING CONTRACTOR PRIOR TO THE START OF CONSTRUCTION TO AVOID REWORK. ANY REWORK REQUIRED SHALL BE AT NO ADDITIONAL COST TO THE OWNER.  PRIOR TO BIDDING THE PROJECT THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR TO DETERMINE WHO WILL BE RESPONSIBLE FOR PROCURING AND INSTALLING MOTOR STARTERS, CONDUIT FOR LOW VOLTAGE CONTROLS AND LINE VOLTAGE CONTROL DEVICES, SUCH AS SINGLE POLE SWITCHES.  ACCESS TO VOLUME DAMPERS FOR BALANCING. ACCESS TO ALL EQUIPMENT, AS WELL AS PLATFORM AND CURB LOCATIONS.  CONSTRUCTION OF PLATFORMS AND SHAPED RUNNERS OR OTHER MEANS TO MOUNT CURBS LEVEL. ALL PLATFORMS AND CURBS SHALL BE LEVEL UNLESS OTHERWISE NOTED OR DETAILED ON THE MECHANICAL PLANS.  4 REVIEW ALL DRAWINGS AND SPECIFICATIONS INCLUDING ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY QUESTIONS SHALL BE BROUGHT UP, IN WRITING, TO THE ATTENTION OF THE ENGINEER BEFORE THE START OF CONSTRUCTION.  5 ALL EQUIPMENT SHALL BE INSTALLED WITH SUFFICIENT ACCESS TO CONTROLS, FILTERS, ELECTRIC MOTORS, ETC. ACCESS CLEARANCE SHALL BE 30" OR AS REQUIRED BY THE EQUIPMENT MANUFACTURER, WHICH EVER IS GREATER. CONTRACTORS SHALL PROVIDE ACCESS PANELS WHERE REQUIRED, WHERE VERTICAL SPACE ALLOWS. INSTALL DUCTWORK THAT IS IN CLOSE PROXIMITY TO MECHANICAL, ELECTRICAL, OR ANY OTHER ITEM THAT REQUIRES ACCESS HIGH IN THE SPACE FOR EASE OF ACCESS.  6 PRIOR TO ROUGH-IN, COORDINATE THE ORIENTATION OF ELECTRICAL BOXES WITH THE DIMENSIONS OF THE DEVICE OR WALL PLATE THAT WILL BE INSTALLED IN OR ON THE ELECTRICAL BOX TO ENSURE THAT THE DEVICE IS CORRECTLY ORIENTED AND THE BOX IS PROPERLY ALIGNED TO BE COVERED BY THE DEVICE OR WALL PLATE.  7 HANDLE, STORE AND INSTALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.  8 BRACE AND SUPPORT PIPES, CONDUIT, AND DUCTWORK IN ACCORDANCE TO SMACNA GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL AND PLUMBING PIPING SYSTEM.  9 REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS, REGISTERS, GRILLES, AND ACCESS PANELS.  10 ALL DUCT DIMENSIONS, AS SHOWN ON MECHANICAL DRAWINGS ARE CLEAR INSIDE DIMENSIONS. INCREASE OUTER DUCT DIMENSION AS REQUIRED TO ACCOUNT FOR THE THICKNESS OF INTERNAL LINING WHERE APPLICABLE.  11 INSULATION AND FLEXIBLE DUCT SHALL COMPLY WITH STATE FIRE MARSHALL CRITERIA AND SHALL NOT EXCEED FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50 PER ASTM-84, NFPA-223, AND UL 723.  12 INSULATE PIPING AND DUCTWORK IN ACCORDANCE TO THE GOVERNING CODES.  13 COMMISSION AND START-UP THE MECHANICAL SYSTEMS TO ASSURE A COMPLETE AND OPERATIONAL HVAC SYSTEM IN ACCORDANCE WITH ASHRAE AND NEBB.  14 ALL SQUARE ELBOWS IN SUPPLY DUCTWORK SHALL HAVE TURNING VANES. PROVIDE MANUAL VOLUME DAMPER AT EACH BRANCH DUCT TAKE-OFF SERVING EACH AIR TERMINAL DEVICE. PROVIDE BALANCING DAMPERS FOR EACH MAIN DUCT TAKE-OFF IN ACCORDANCE TO SMACNA IN ORDER TO ASSURE A COMPLETELY BALANCED SYSTEM.  15 CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE MOUNTED AT THE HEIGHTS GIVEN BY SECTION 11B-308.1 OF THE 2022 CBC. NOTIFY THE ARCHITECT IMMEDIATELY IF THE MOUNTING HEIGHTS REQUIRED BY THE 2022 CBC CANNOT BE OBTAINED AT THE LOCATION WHERE THE CONTROL DEVICE IS SHOWN ON THE MECHANICAL FLOOR PLANS.  16 DUCT SMOKE DETECTORS WHEN NOT PROVIDED PRE-INSTALLED BY THE EQUIPMENT MANUFACTURER SHALL BE INSTALLED IN THE SUPPLY AIR DUCT OF AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CFM. DETECTORS SHALL BE LOCATED BETWEEN THE SUPPLY AIR DUCT CONNECTION AT THE EQUIPMENT AND THE FIRST BRANCH DUCT OR DIFFUSER, WHERE FIRE DETECTION OR ALARM SYSTEMS ARE PROVIDED FOR THE BUILDING. ALL SMOKE DETECTORS SHALL BE SUPERVISED BY SUCH SYSTEMS IN AN APPROVED MANNER, AND INSTALLED IN ACCORDANCE WITH NFPA 72 AND THE CALIFORNIA BUILDING AND FIRE CODES.  17 ALL EQUIPMENT SHALL BE LABELED AS TO THE SPACE THEY ARE SERVING.  18 HABITABLE SPACE SHALL BE PROVIDED WITH A HEATING SYSTEM CAPABLE OF MAINTAINING A MINIMUM INDOOR TEMPERATURE OF 68°F AT A POINT 3 FEET ABOVE THE FLOOR PER 2022 CBC 1203.  19 MATERIALS EXPOSED WITHIN ANY SPACE BEING USED AS AN AIR PLENUM SHALL BE NON COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50, WHEN TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ONE OF THE FOLLOWING TEST METHODS: NFPA 255, METHOD OF TEST OF SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS ASTM E84, SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS, OR UL 723, TEST FOR SURFACE BURNING CHARACTERISTIC OF BUILDING MATERIALS.  20 ANY MECHANICAL EQUIPMENT THAT PROVIDES POWER TO A ENERGIZED ACCESSORY MUST BE PROVIDED WITH A NAMEPLATE THAT REFLECTS THE ELECTRICAL CHARACTERISTICS OF THE COMPLETE SYSTEM AS INSTALLED WITH THE ENERGIZED ACCESSORY. NO EXCEPTIONS.
MECHANICAL TITLE 24 NOTES	
1	HVAC EQUIPMENT AND APPLIANCES SHALL MEET THE LATEST REQUIREMENTS OF THE CA ENERGY EFFICIENCY STANDARDS.
2	HVAC SYSTEMS SHALL MEET THE LATEST CONTROL REQUIREMENTS OF THE CA ENERGY EFFICIENCY STANDARDS.
3	DOORS AND WINDOWS SHALL MEET MINIMUM INFILTRATION REQUIREMENTS OF THE CA ENERGY EFFICIENCY STANDARDS.
4	ALL WORK SHALL BE IN ACCORDANCE WITH CITY AND COUNTY CODES, CALIFORNIA ENERGY CONSERVATION STANDARDS, TITLE - 24, AND ALL OTHER APPLICABLE CODES.
5	ALL PIPING AND DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE LATEST REQUIREMENTS OF THE CA ENERGY EFFICIENCY STANDARDS.

PROJECT TEAM LIST			
TITLE	NAME	DESK NUMBER	EMAIL ADDRESS
PRINCIPAL IN CHARGE	BRIAN STARRETT	805.540.5358	BSTARRETT@3CENG.COM
PROJECT MANAGER	BRIAN STARRETT	805.540.5358	BSTARRETT@3CENG.COM
MECHANICAL DESIGNER	DREW SCHMIDT	805.540.3363 EXT 310	DSCHMIDT@3CENG.COM
PLUMBING DESIGNER	ELI FERMAN	805.540.3363 EXT 309	EFERMAN@3CENG.COM
ENERGY COMPLIANCE	JORGE BRAVO	805.540.3363 EXT 313	JBRAVO@3CENG.COM


SHEET INDEX	
SHEET NUMBER	SHEET TITLE
M0.00-2	BUILDING Q - GENERAL
M0.01-2	BUILDING Q - SCHEDULES
M0.02-2	BUILDING Q - DETAILS
M1.05-2	BUILDING Q - FLOOR PLAN
M1.06-2	BUILDING Q - PIPING AND CONTROLS
















COMMERCIAL GRILLE, REGISTER, DIFFUSER, LOUVER SCHEDULE										
<div>FD = FIRE DAMPER FSD = FIRE/SMOKE DAMPER OAI = OUTSIDE AIR INTAKE X"Ø = INLET SIZE (IF APPLICABLE)</div> <div></div> <div>CEILING SUPPLY DEFLECTION LEGEND (EXCEPT FOR 4-WAY DEFLECTION, SHADING INDICATES ACTIVE SECTION OF DIFFUSER)</div> <div></div>										
TAG	TYPE	MAKE	MODEL	BORDER TYPE		CONSTRUCTION	FINISH	IMAGE	REMARKS	INSTALLATION DETAIL
	CEILING SUPPLY	TITUS	TDC	1	3	STEEL	WHITE		MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND FRAMING CONTRACTOR TO INSURE OPENINGS IN HARD CEILINGS AND WALLS ARE CORRECTLY SIZED TO ACCOMMODATE THE SPECIFIED BORDER TYPE. NO EXCEPTIONS	12/MO 02-2
	SIDEWALL MOUNTED SUPPLY SINGLE DEFLECTION	TITUS	301RS	1	NA	STEEL	WHITE		MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND FRAMING CONTRACTOR TO INSURE OPENINGS IN HARD CEILINGS AND WALLS ARE CORRECTLY SIZED TO ACCOMMODATE THE SPECIFIED BORDER TYPE. NO EXCEPTIONS	NA
 	CEILING OR SIDEWALL RETURN AND EXHAUST	TITUS	350RL	1	3	STEEL	WHITE		MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND FRAMING CONTRACTOR TO INSURE OPENINGS IN HARD CEILINGS AND WALLS ARE CORRECTLY SIZED TO ACCOMMODATE THE SPECIFIED BORDER TYPE. NO EXCEPTIONS	12/MO 02-2
	4" WALL LOUVER	GREENHECK	ESJ-401	PROVIDE WITH 1-1/2" FLANGE ACCESSORY		ALUMINUM	PRIMER		PROVIDE WITH BIRD SCREEN WHEN USED FOR OUTSIDE AIR INTAKE OR EXHAUST AIR DISCHARGE. PROVIDE WITH INSECT SCREEN WHEN USED FOR COMBUSTION AIR. PAINT PER ARCHITECTURAL REQUIREMENTS	NA

ELECTRIC RADIANT HEATER SCHEDULE									
TAG	MAKE	MODEL	INSTALLATION	OUTPUT IN WATTS	OUTPUT IN BTU/H	ELECTRICAL DATA		WEIGHT LBS	REMARKS SEE BELOW
	INDEECO	AS1460-450-208	FLUSHMOUNT CEILING	450	1,536	208/1/60	2.2	25	1,C1
	INDEECO	AS1460-450-208	FLUSHMOUNT CEILING	450	1,536	208/1/60	2.2	25	1,C1
	INDEECO	AS1460-450-208	FLUSHMOUNT CEILING	450	1,536	208/1/60	2.2	25	1,C1
	INDEECO	AS1460-450-208	FLUSHMOUNT CEILING	450	1,536	208/1/60	2.2	25	1,C1
	INDEECO	AS1460-450-208	FLUSHMOUNT CEILING	450	1,536	208/1/60	2.2	25	1,C1
	INDEECO	AS1460-450-208	FLUSHMOUNT CEILING	450	1,536	208/1/60	2.2	25	1,C1
	INDEECO	AS1460-450-208	FLUSHMOUNT CEILING	450	1,536	208/1/60	2.2	25	1,C1
UNIT SPECIFIC NOTES: 1. PROVIDE WITH FLUSH MOUNTING FRAME. MOUNT RECESSED (FLUSH) IN CEILING PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.									
CONTROL NOTES: C1. PROVIDE WITH 1-HOUR, NO HOLD, LINE VOLTAGE TIMER, REFER TO FLOOR PLANS FOR LOCATION.									

AIR CURTAIN SCHEDULE											
TAG	MAKE	MODEL	LENGTH	HEATING	ELECTRICAL DATA		FAN DATA				WEIGHT LBS
					POWER V/ø/HZ	FLA	CFM	HP	AVERAGE VELOCITY FPM	UNIFORMITY	
	POWERED AIRE	ECE-1-42	42	NONE	120/1/60	11.1	2532	3/4	3169	93%	100
GENERAL NOTES APPLICABLE TO ALL UNITS: 1. PROVIDE WITH STAINLESS STEEL HOUSING. 2. PROVIDE WITH ECO-MOTOR. 3. PROVIDE WITH COMMERCIAL MAGNETIC DOOR SWITCH. 4. PROVIDE WITH UNIT MOUNTED DISCONNECT. 5. PROVIDE WITH CLEANABLE FILTER.											

ENERGY RECOVERY VENTILATOR SCHEDULE																															
TAG	MAKE	MODEL	ELECTRICAL			SUPPLY AIR FAN					EXHAUST AIR FAN					ENERGY WHEEL SUMMER CONDITIONS						ENERGY WHEEL WINTER CONDITIONS						MERV 13 FILTER QUANTITY AND SIZE	WEIGHT LBS	REMARKS SEE BELOW	INSTALLATION DETAIL
			POWER V/ø/HZ	MCA	MOCP	CFM	ESP	RPM	DRIVE	WATTS [HP]	CFM	ESP	RPM	DRIVE	WATTS [HP]	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB				
	RENEWAIRE	HE07-JINH	208/1/60	2.6	15	400	0.50	2866	DIRECT	180	400	0.50	2883	DIRECT	184	101.0	71.0	82.0	65.1	75.0	65.2	24.0	22.0	57.6	44.1	70.0	51.4	(2)14X20X2	175	1,2,C1	7/MO 02-2
GENERAL NOTES APPLICABLE TO ALL UNITS: A. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.																															
UNIT SPECIFIC NOTES: 1. PROVIDE WITH MOTORIZED LOW LEAKAGE SUPPLY AND EXHAUST AIR DAMPERS. 2. PROVIDE WITH HINGED ACCESS DOORS.																															
CONTROL NOTES: C1. PROVIDE WITH ENHANCED COMMERCIAL CONTROLS WITH MANUFACTURERS CAREL C-PCO CONTROLLER WITH REMOTE USER TERMINAL. SEE FLOOR PLANS FOR REMOTE USER TERMINAL LOCATION. ELECTRICAL TO PROVIDE 120V POWER.																															

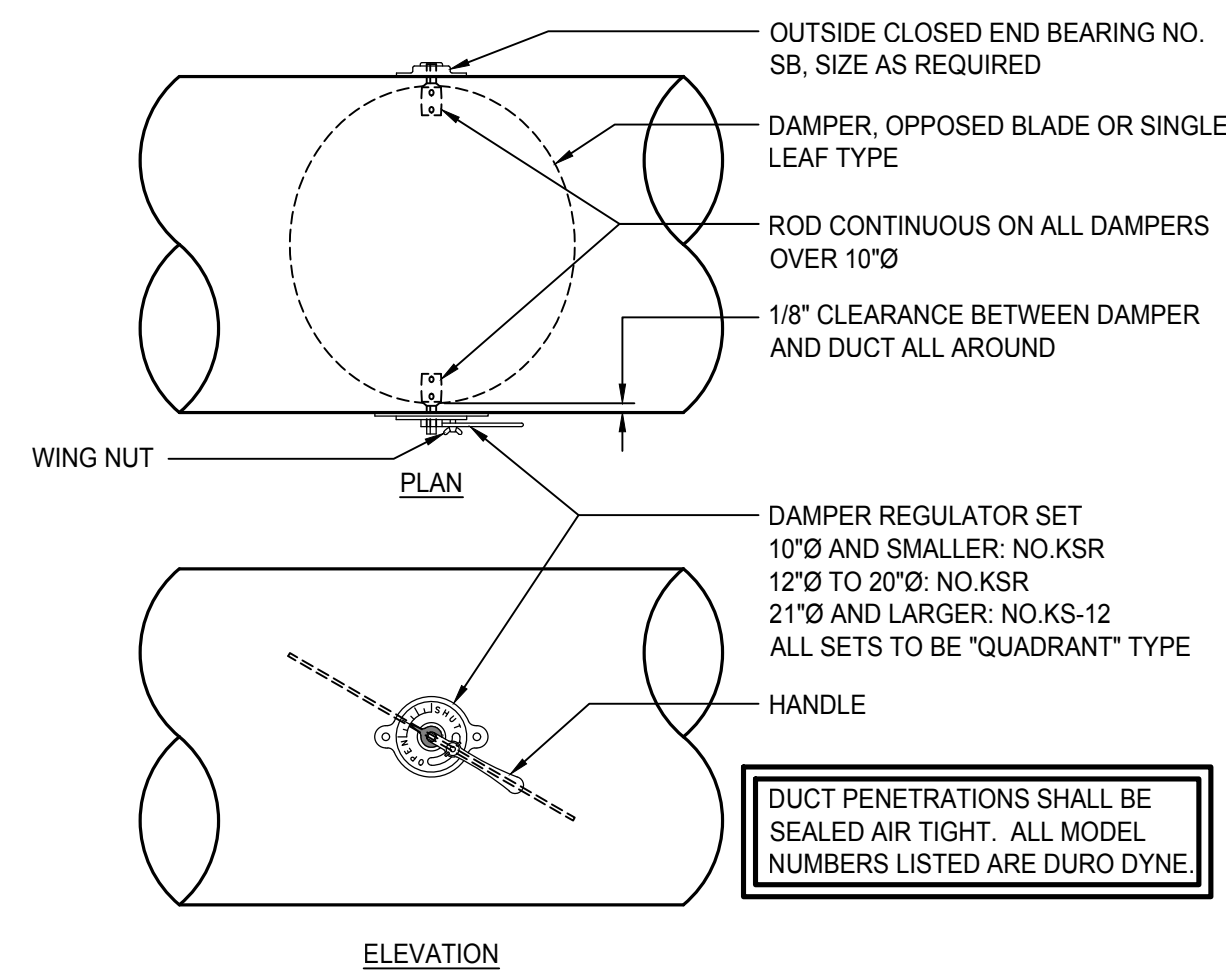
DUCTLESS SPLIT SYSTEM HEAT PUMP SCHEDULE																								
TAG	MAKE	NOM TONS	SENSIBLE COOLING	REFRIGERANT	AHRI PERFORMANCE						INDOOR UNIT						OUTDOOR UNIT						REMARKS SEE BELOW	
					COOLING			HEATING			MODEL	INSTALLATIO N TYPE	POWERED BY OUTDOOR UNIT	CFM	WATTS [HP]	OPERATING WEIGHT LBS	INSTALLATION DETAIL	MODEL	POWER V/ø/HZ	MCA	MOCP	OPERATING WEIGHT LBS		INSTALLATION DETAIL
					BTUH	SEER2	EER2	BTUH AT 47°F	BTUH AT 17°F	HSPF2														
	DAIKIN	0.75	9,000	R-32	9,000	21.0	12.5	10,000	6,100	10.2	FTXF09A	WALL MOUNTED	YES	430	29	20	6/MO 02-2	RXF09A	208/1/60	9.30	15	65	4/MO 02-2	C1
	DAIKIN	2.0	22,400	R-32	22,400	21.0	12.0	23,600	13,900	9.10	FTXF24A	WALL MOUNTED	YES	720	54	35	6/MO 02-2	RXF24A	208/1/60	16.34	20	105	4/MO 02-2	C1
	DAIKIN	1.5	18,100	R-32	18,100	21.0	12.0	NA	NA	NA	FTKF18A	WALL MOUNTED	YES	720	54	35	6/MO 02-2	RKF18A	208/1/60	14.23	20	105	4/MO 02-2	1,2,C1
	DAIKIN	1.5	18,100	R-32	18,100	21.0	12.0	NA	NA	NA	FTKF18A	WALL MOUNTED	YES	720	54	35	6/MO 02-2	RKF18A	208/1/60	14.23	20	105	4/MO 02-2	1,2,C1
GENERAL NOTES APPLICABLE TO ALL UNITS: A. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR. B. SIZE REFRIGERATION LINES PER THE MANUFACTURERS REQUIREMENTS FOR TOTAL DEVELOPED LINE LENGTH. UNIT SPECIFIC NOTES: 1. UNIT SHALL BE CONFIGURED FOR COOLING ONLY. 2. PROVIDE WITH CONDENSATE PUMP. PUMP SHALL BE INTERNALLY MOUNTED WITHIN THE INDOOR UNIT AND WIRED TO THE TERMINAL STRIP. NO EXPOSED INSTALLATIONS ALLOWED.																								
CONTROL NOTES: C1. PROVIDE WITH MANUFACTURER'S BRC51D61 7-DAY PROGRAMMABLE WIRED THERMOSTAT.																								

HEAT PUMP CONDENSING UNIT SCHEDULE																				
TAG	MATCHING UNIT TAG	MAKE	MODEL	NOM TONS	REFRIGERANT	ELECTRICAL DATA			AHRI PERFORMANCE						PIPING SIZE		OPERATING WEIGHT LBS	REMARKS SEE BELOW	INSTALLATION DETAIL	
									COOLING			HEATING								
						POWER V/ø/HZ	MCA	MOCP	BTUH	SEER [SEER2]	EER [EER2]	BTUH AT 47°F	BTUH AT 17°F	HSPF [HSPF2]	LIQUID	SUCTION				
			DAIKIN	5MXS48WVJU9	4	R-410A	208/1/60	30.8	35.0	47,000	[20.20]	[10.50]	48,500	31,000	[9.3]	NOTE B	NOTE B	220	NA	4/MO 02-2
			DAIKIN	5MXS48WVJU9	4	R-410A	208/1/60	30.8	35.0	47,000	[20.20]	[10.50]	48,500	31,000	[9.3]	NOTE B	NOTE B	220	NA	4/MO 02-2
			DAIKIN	5MXS48WVJU9	4	R-410A	208/1/60	30.8	35.0	47,000	[20.20]	[10.50]	48,500	31,000	[9.3]	NOTE B	NOTE B	220	NA	4/MO 02-2
GENERAL NOTES APPLICABLE TO ALL UNITS: A. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR. B. SIZE REFRIGERATION LINES PER MANUFACTURERS REQUIREMENTS FOR TOTAL DEVELOPED LINE LENGTH.																				

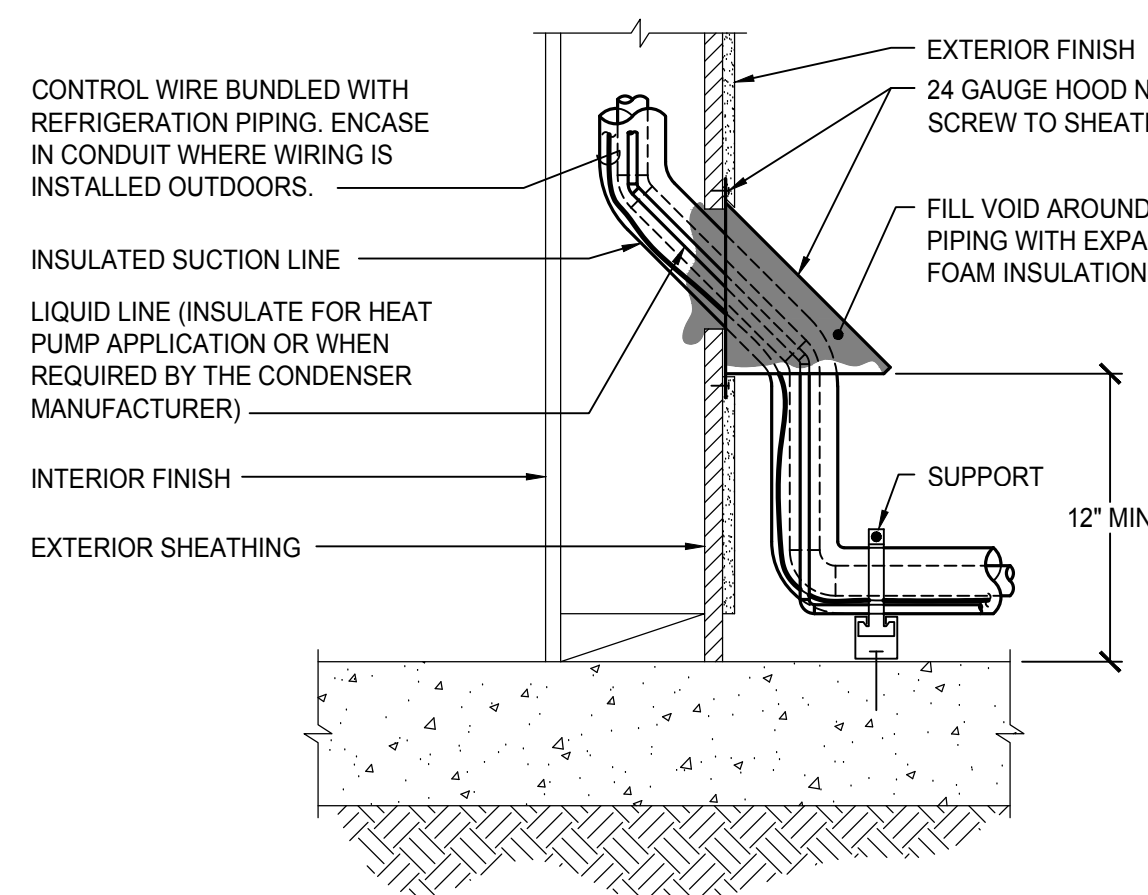
FAN COIL UNIT SCHEDULE																			
TAG	MATCHING UNIT TAG	MAKE	MODEL	NOM TONS	REFRIGERANT	FAN		ELECTRICAL DATA			AHRI PERFORMANCE						OPERATING WEIGHT LBS	REMARKS SEE BELOW	INSTALLATION DETAIL
						CFM	ESP	WATTS [BHP]	FAN COIL			COOLING			HEATING				
									POWER V/ø/HZ	MCA	MOCP	BTUH	SEER [SEER2]	EER [EER2]	BTUH AT 47°F	BTUH AT 17°F	HSPF [HSPF2]		
		DAIKIN	FTXS24WVJU9	2	R-410A	645	NA	69	POWERED BY OUTDOOR UNIT	23,500	[20.6]	[10.5]	24,250	15,500	[9.3]	35	C1	6/MO 02-2	
		DAIKIN	FTXS24WVJU9	2	R-410A	645	NA	69	POWERED BY OUTDOOR UNIT	23,500	[20.6]	[10.5]	24,250	15,500	[9.3]	35	1,C1	6/MO 02-2	
		DAIKIN	FTXS24WVJU9	2	R-410A	645	NA	69	POWERED BY OUTDOOR UNIT	23,500	[20.6]	[10.5]	24,250	15,500	[9.3]	35	1,C1	6/MO 02-2	
		DAIKIN	FTXS24WVJU9	2	R-410A	645	NA	69	POWERED BY OUTDOOR UNIT	23,500	[20.6]	[10.5]	24,250	15,500	[9.3]	35	1,C1	6/MO 02-2	
		DAIKIN	FTXS24WVJU9	2	R-410A	645	NA	69	POWERED BY OUTDOOR UNIT	23,500	[20.6]	[10.5]	24,250	15,500	[9.3]	35	1,C1	6/MO 02-2	
		DAIKIN	FTXS24WVJU9	2	R-410A	645	NA	69	POWERED BY OUTDOOR UNIT	23,500	[20.6]	[10.5]	24,250	15,500	[9.3]	35	1,C1	6/MO 02-2	
GENERAL NOTES APPLICABLE TO ALL UNITS: A. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.																			
UNIT SPECIFIC NOTES: 1. PROVIDE WITH CONDENSATE PUMP. PUMP SHALL BE INTERNALLY MOUNTED WITHIN THE INDOOR UNIT AND WIRED TO THE TERMINAL STRIP. NO EXPOSED INSTALLATIONS ALLOWED.																			
CONTROL NOTES: C1. PROVIDE WITH MANUFACTURER'S BRC1E73 7-DAY PROGRAMMABLE WIRED THERMOSTAT.																			

EXHAUST / SUPPLY FAN SCHEDULE																				
TAG	MAKE	MODEL	TYPE	DRIVE	PERFORMANCE					MOTOR	ACCESSORIES							OPERATING WEIGHT LBS	REMARKS SEE BELOW	INSTALLATION DETAIL
					CFM	ESP	RPM	OPERATING POWER WATTS [BHP]	SONES		BRO GUARD	BACKDRAFT DAMPER	ROOF CURB	ROOF JACK	WALL CAP	FSC				
<div>EF1</div>	GREENHECK	CSP-A900	INLINE	DIRECT	800	0.25	886	318	0.6	115/1/60	NO	YES	NO	NO	NO	YES	70	C3	1/MO 02-2	
<div>EF2</div>	GREENHECK	CSP-A125	CEILING	DIRECT	100	0.25	970	52	<0.3	115/1/60	NO	YES	NO	NO	NO	YES	25	C1	5/MO 02-2	
<div>EF3</div>	GREENHECK	CSP-A1300	INLINE	DIRECT	1,200	0.25	1267	718	2.0	115/1/60	NO	YES	NO	NO	NO	YES	70	C3	1/MO 02-2	
<div>EF4</div>	GREENHECK	CSP-A125	CEILING	DIRECT	100	0.25	970	52	<0.3	115/1/60	NO	YES	NO	NO	NO	YES	25	C2	5/MO 02-2	
<div>EF5</div>	GREENHECK	CSP-A125	CEILING	DIRECT	100	0.25	970	52	<0.3	115/1/60	NO	YES	NO	NO	NO	YES	25	C1	5/MO 02-2	
<div>SF1</div>	S&P	RF8-120EC	INLINE	DIRECT	55	0.25	1670	14	NA	120/1/60	NO	YES	NO	NO	NO	YES	20	C2	NA	
GENERAL NOTES APPLICABLE TO ALL UNITS:																				
A. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.																				
B. FAN SPEED CONTROLLERS SHALL BE PROVIDED FROM THE FACTORY WITH THE SPEED CONTROLLER INTERNALLY MOUNTED WITHIN THE FAN HOUSING AND WIRED.																				
CONTROL NOTES:																				
C1. CONTROL WITH SINGLE POLE SWITCH. REFER TO FLOOR PLAN FOR LOCATION. SWITCH PROVIDED AND INSTALLED BY ELECTRICAL.																				
C2. INTERLOCK FAN WITH ROOM LIGHTING CONTROLS SO THAT THE FAN ENERGIZES WHEN THE ROOM LIGHTS ARE TURNED ON. PROVIDE 10 MINUTE TIMED DELAY OFF. INTERLOCK AND TIME DELAY BY ELECTRICAL.																				
C3. INTERLOCK FAN WITH ROOM LIGHTING CONTROLS SO THAT THE FAN ENERGIZES WHEN THE ROOM LIGHTS IN EITHER OF THE TWO ROOMS THE FAN IS SERVING ARE TURNED ON. PROVIDE 30 MINUTE TIMED DELAY OFF. INTERLOCK AND TIME DELAY BY ELECTRICAL.																				

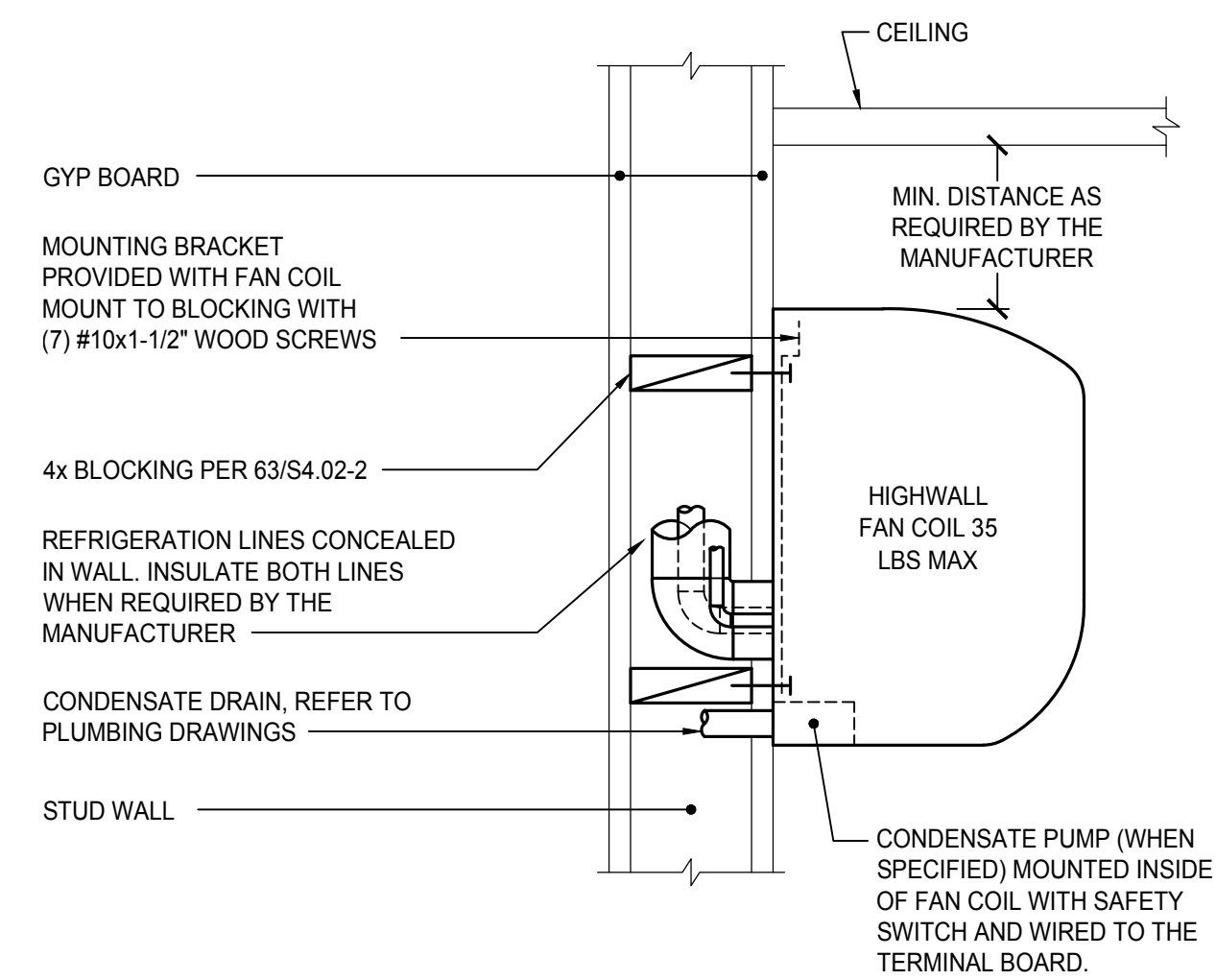




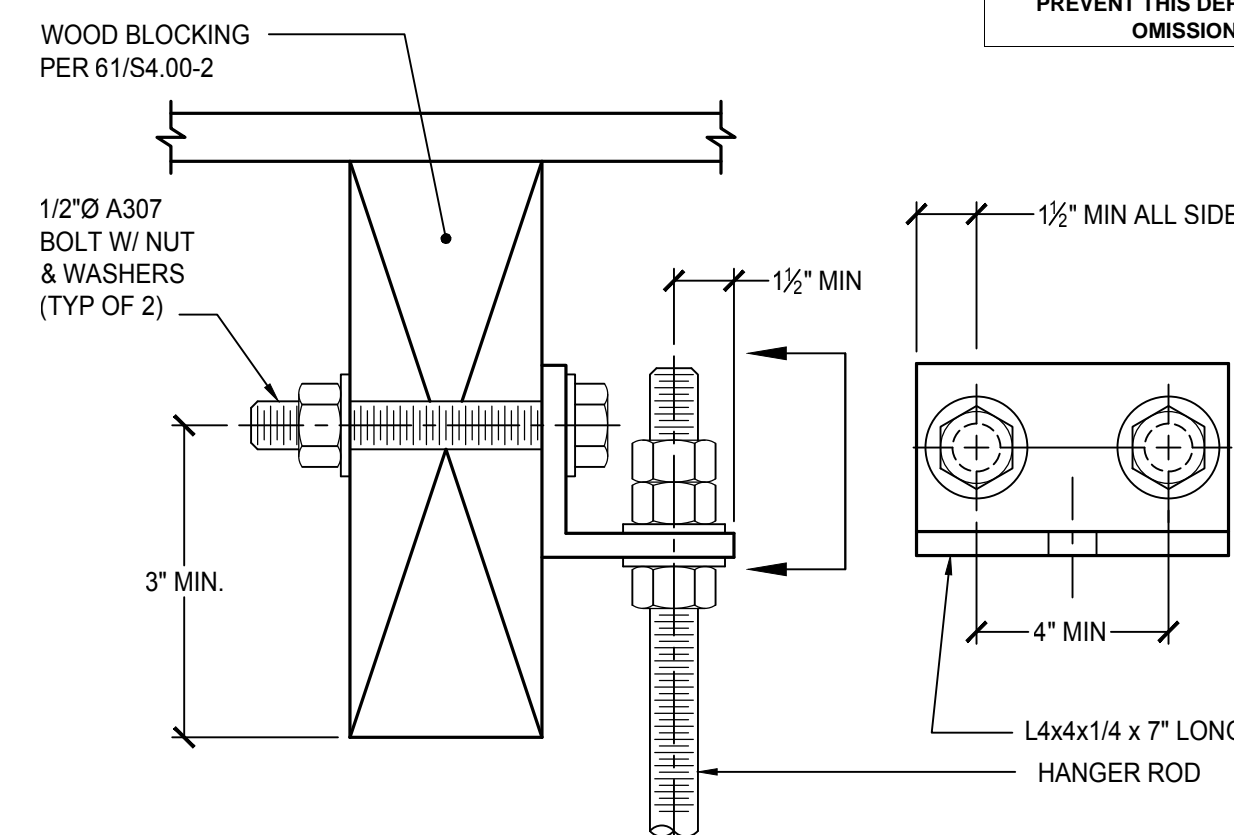
## 8 ROUND VOLUME DAMPER



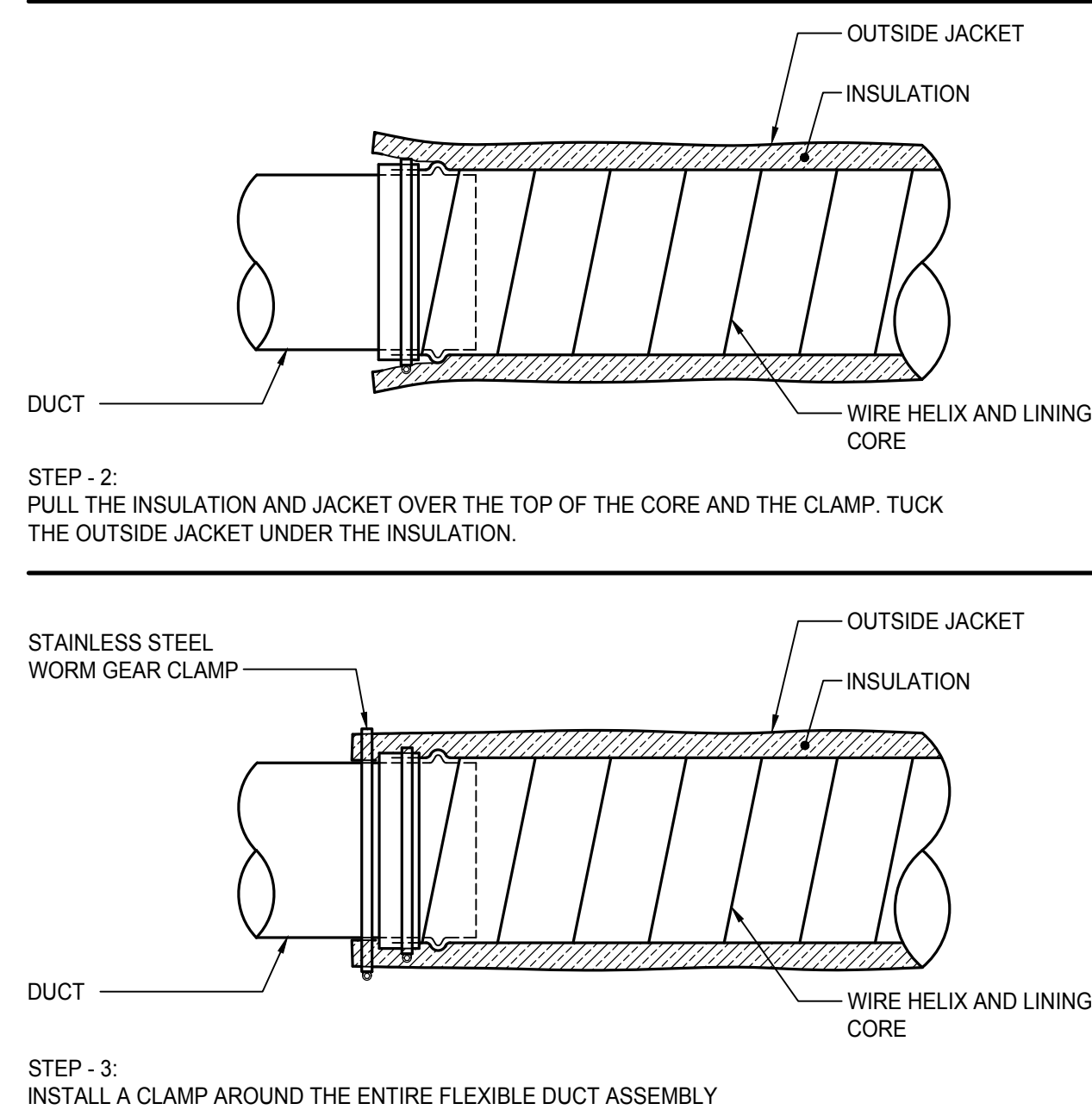
5 CEILING EXHAUST FAN  
NTS



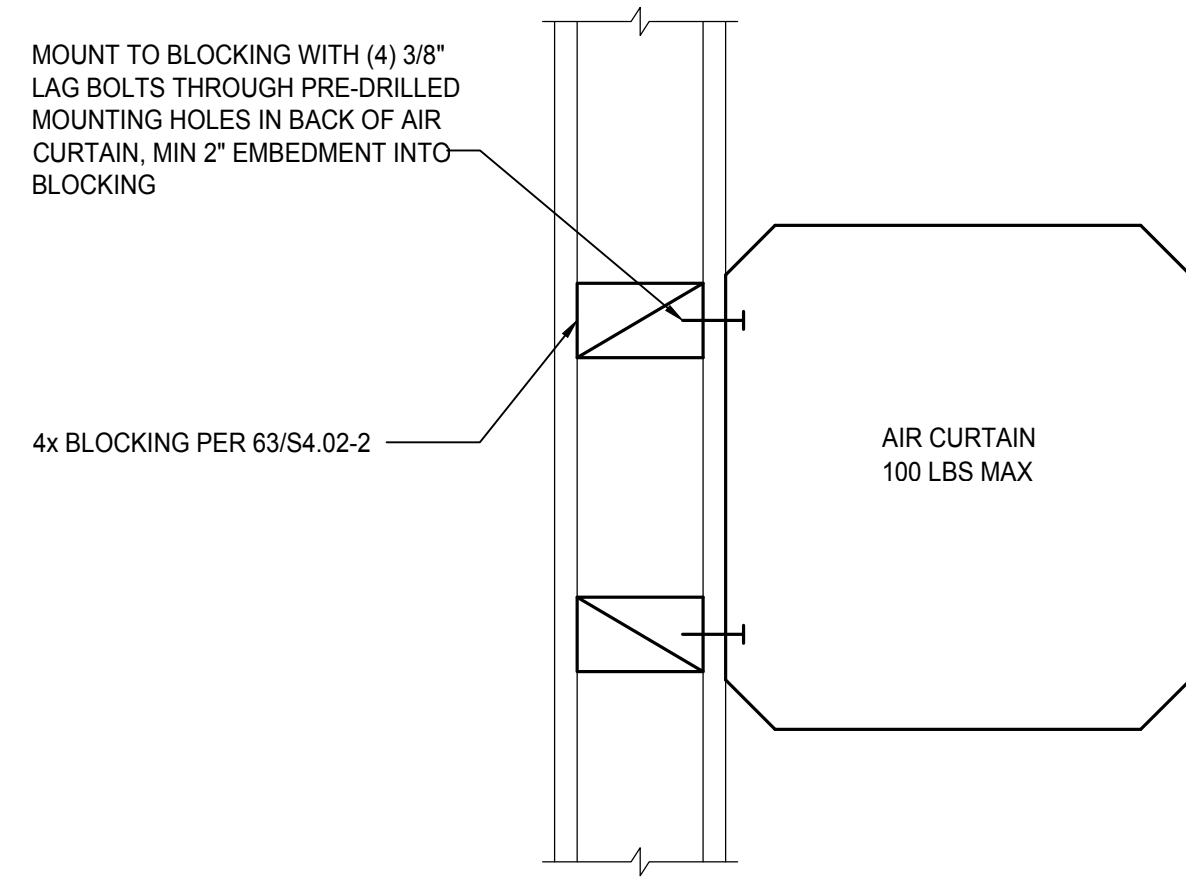
## 6 HIGH WALL FAN COIL MOUNTING (WOOD FRAMING)



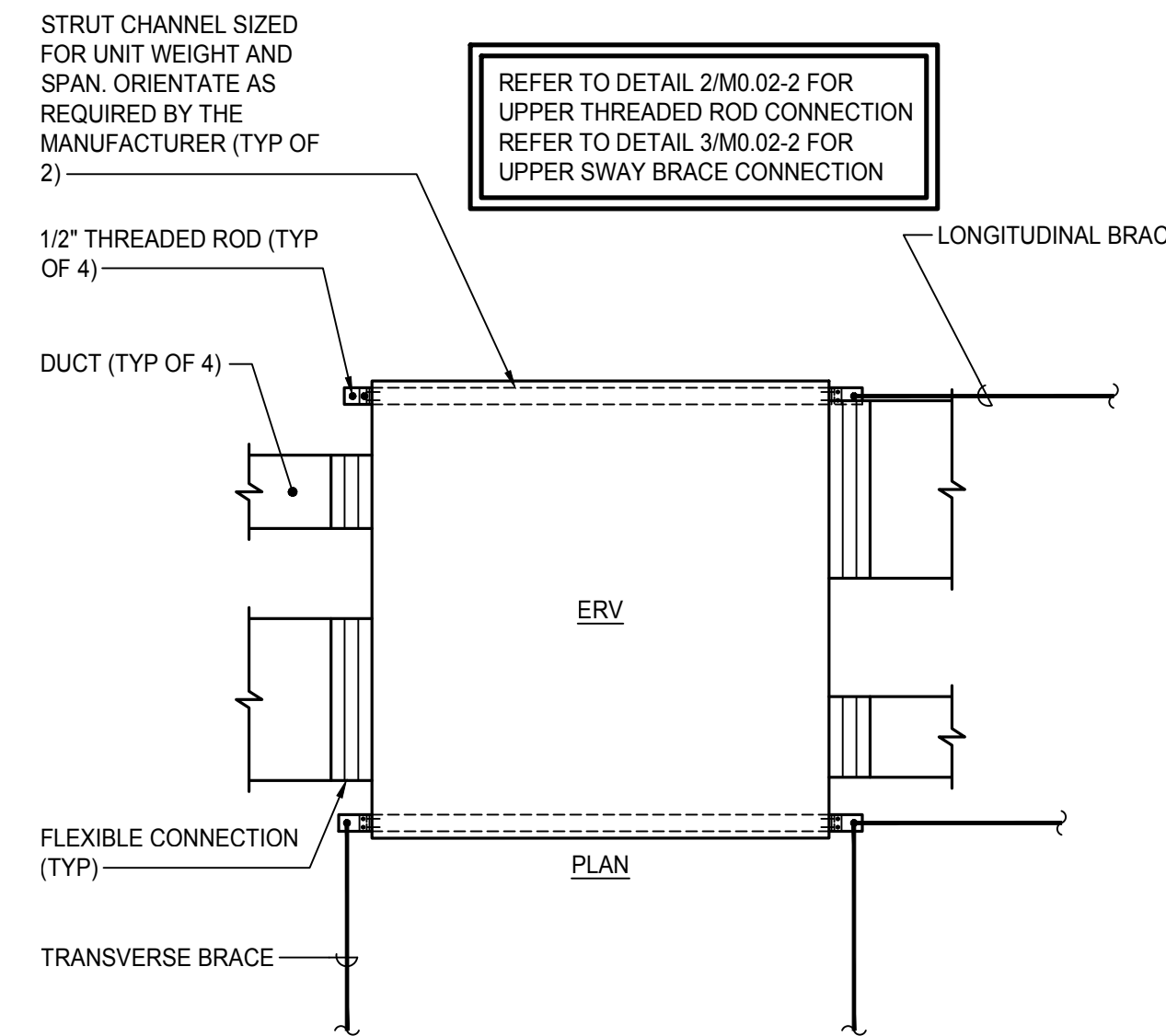
## 2 SUPPORT CONNECTION



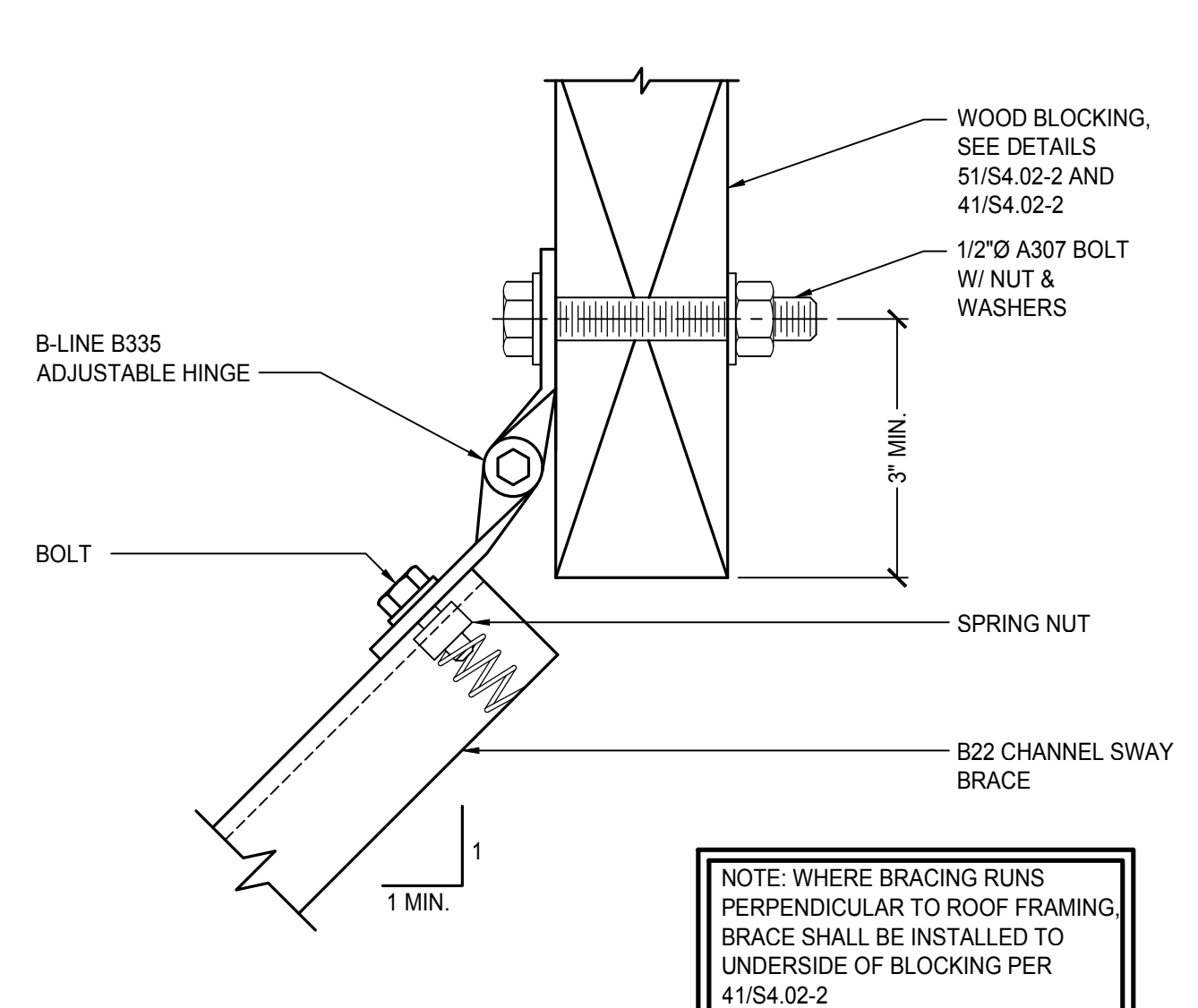
## 10 CONCEALED DUCT SUPPORT



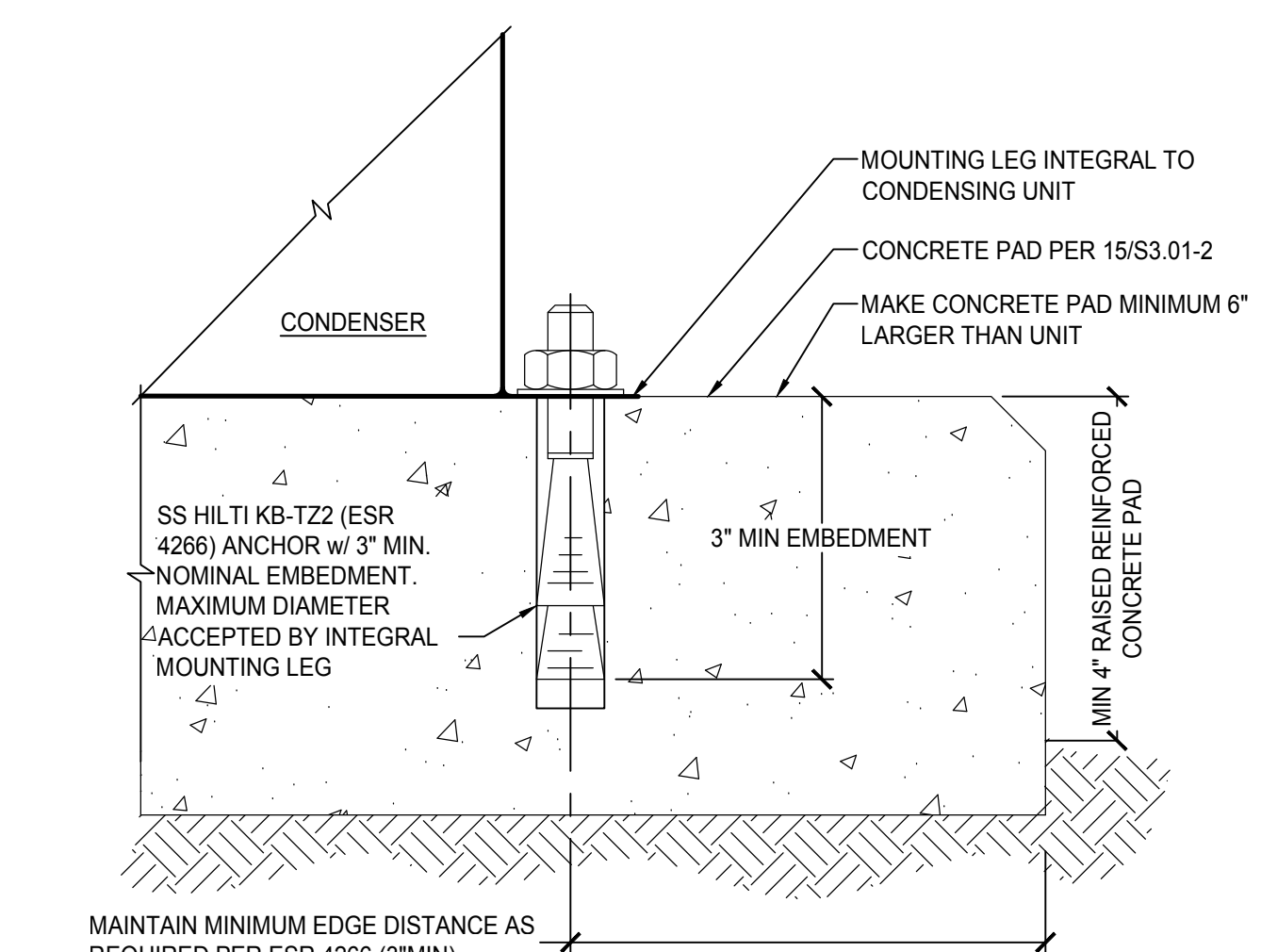
## 11 SUPPORT CONNECTION



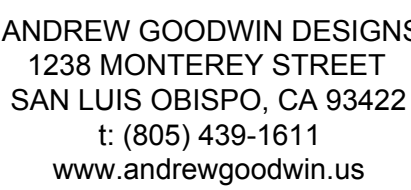
7 SUSPENDED ENERGY RECOVERY VENTILATOR  
NTS



### 3 SWAY BRACE CONNECTION (STRUT)



## 4 CONDENSING UNIT ANCHORAGE



COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3rd Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: Bridget Ryan DATE 9-5-25  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY  
APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT  
PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR  
OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION



805.342.3363 • WWW.3DENV.COM  
1300 PALM ST. SAN LUIS OBISPO, CA 93401

REV #	REV DATE	REV DESCRIPTION
-------	----------	-----------------



PROJECT

TRANQUILLITY HIGH  
SCHOOL  
AQUATIC CENTER  
MODERNIZATION  
6052 Juanché Ave,  
Tranquillity, CA 93668

GOLDEN PLAINS  
UNIFIED SCHOOL  
DISTRICT

**SHEET TITLE**

**BUILDING Q - DETAILS**

00% CD FRESNO CO. HEAL  
DEPT. APPROVAL

DATE: 9/5/2025

TECHNICIAN: \_\_\_\_\_ DS

PROJECT MANAGER: BS

JOB NUMBER: 79  
SHEET NUMBER

M0.02-2

---

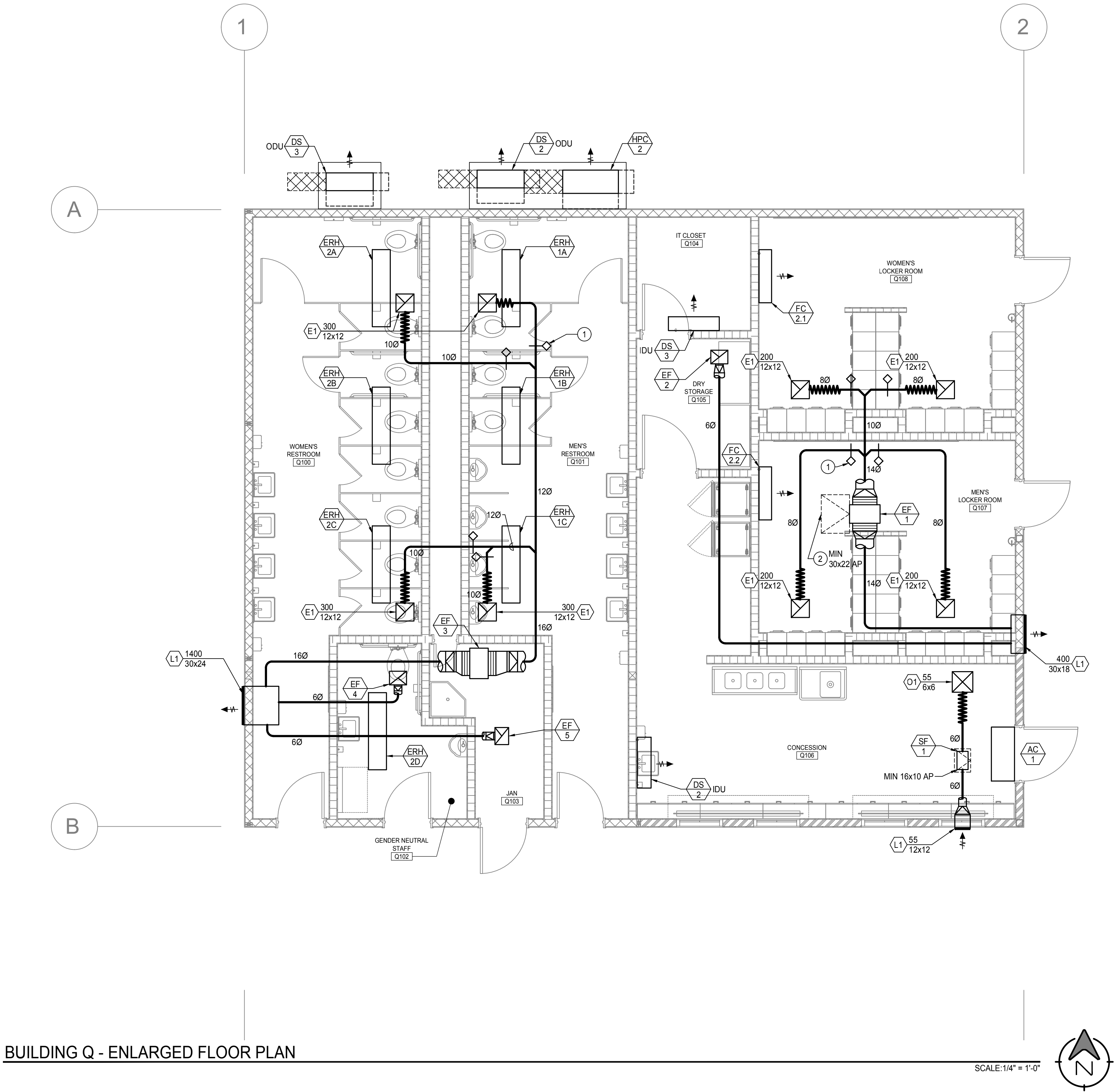
PLOT DATE: 9/3/2025 5:21:08 PM



DUCT CROSS SECTIONAL AREA AND WEIGHT										
SYSTEM	DUCT DIAMETER SHOWN ON PLANS IN INCHES	DUCT CROSS SECTIONAL AREA		DUCT PERIMETER IN INCHES	SHEET METAL AREA PER FOOT OF DUCT		DUCT GAUGE	SHEET METAL WEIGHT		DUCT WEIGHT
EF-3	16	1.40	SQ FT	50.27	4.19	SQ FT	26	0.906	LBS/SQ FT	3.80 LBS/FT

NOTES:  
1. PER THE 2022 CBC SECTION 1617A.1.25 ASCE 7, SECTION 13.6.6 EXCEPTION 2 ALL DUCTWORK IS NOT REQUIRED TO BE SEISMICALLY BRACED.  
2. DUCT WEIGHT CALCULATION IS BASED ON THE LARGEST DUCT.  
3. DUCT GAUGE TAKEN FROM TABLE 2-9 OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS 4TH EDITION.  
4. DUCT WEIGHT TAKEN FROM PAGE A.7 OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS 4TH EDITION.

KEY NOTES		
APPLICABLE TO THIS SHEET ONLY		
①	ROUND VOLUME DAMPER, REFER TO DETAIL 8/M.02-2.	
②	PROVIDE MINIMUM 24" WIDE SOLID SURFACE PATHWAY TO EQUIPMENT EF-1 AND A MINIMUM 30X30 SOLID WORK SURFACE AT EQUIPMENT.	
HVAC GENERAL NOTES		
APPLICABLE TO THIS SHEET ONLY		
1	PROVIDE MANUAL VOLUME DAMPERS IN ALL BRANCH DUCTS TO AIR OUTLETS / INLETS. VOLUME DAMPERS ABOVE HARD LID CEILINGS TO BE CABLE OPERATED UNLESS NOTED OTHERWISE. CABLE TO BE ACCESSED THRU THE FACE OF GRILLE AFTER BALANCING TUCK CABLE INTO DIFFUSER SO THAT IT IS NOT VISIBLE.	
2	SUPPORT ALL CONCEALED DUCT PER DETAIL 10/M.02-2.	
PASSIVE MAKE-UP AIR SCHEDULE		
ROOM	DOOR LOUVER MINIMUM FREE AREA FT²	DOOR UNDER CUT
DRY STORAGE Q105	NA	1"
WOMEN'S RESTROOM Q100	2	NA
GENDER NEUTRAL STAFF Q102	0.33	NA
JAN Q103	0.33	NA
MEN'S RESTROOM Q101	2	NA
MEN'S LOCKER ROOM Q107	1.33	NA
WOMEN'S LOCKER ROOM Q108	1.33	NA



BUILDING Q - ENLARGED FLOOR PLAN

COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: Bridget Ryan DATE: 9-5-25  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION

**AGD**  
ARCHITECTURE | DESIGN

ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
T: (805) 439-1611  
www.andrewgoodwin.us

**3C | ENGINEERING**  
DESIGNER  
A PROFESSIONAL ENGINEER  
A LICENSED PROFESSIONAL ENGINEER  
A LICENSED PROFESSIONAL ENGINEER  
A LICENSED PROFESSIONAL ENGINEER

REVISIONS
REV #   REV DATE   REV DESCRIPTION

SEAL

**NOT FOR CONSTRUCTION**

PROJECT

TRANQUILITY HIGH SCHOOL  
AQUATIC CENTER  
MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

CLIENT

GOLDEN PLAINS  
UNIFIED SCHOOL  
DISTRICT

SHEET TITLE

BUILDING Q - ENLARGED  
FLOOR PLAN

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH  
DEPT. APPROVAL

DATE: 9/5/2025

TECHNICIAN: DS

PROJECT MANAGER: BS

JOB NUMBER: 791

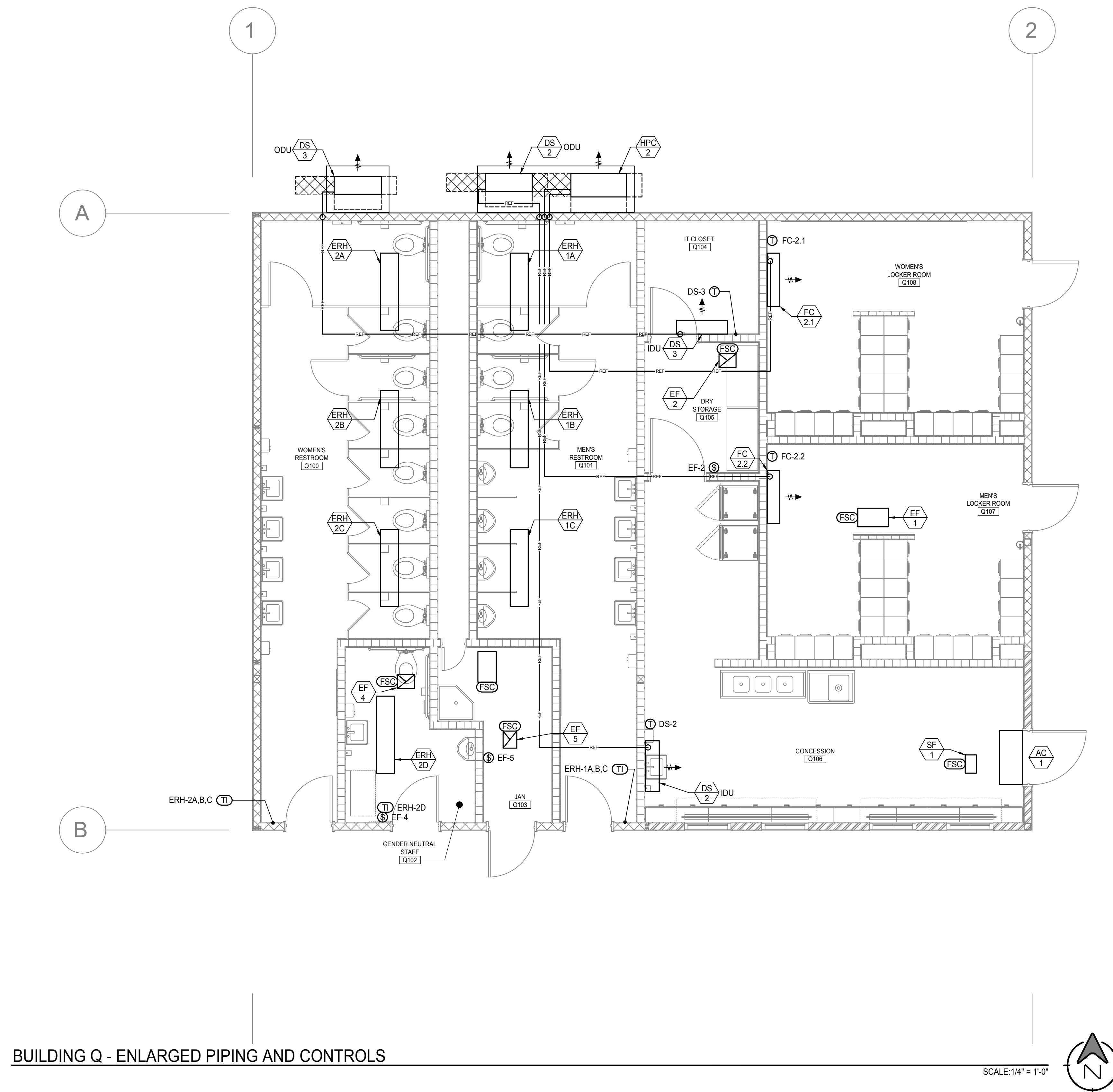
SHEET NUMBER

M1.07-2

PLOT DATE: 8/29/2025 4:58:52 PM

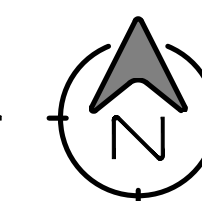


HVAC GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	VERIFY FINAL THERMOSTAT LOCATIONS WITH OWNER PRIOR TO INSTALLATION. IF OWNER INTENDS TO CHANGE LOCATION OF THERMOSTAT, CONTACT ENGINEER OF RECORD PRIOR TO FINALIZING LOCATION.
2	REFER TO DETAIL 9/M02-2 FOR REFRIGERANT PIPE THRU EXTERIOR WALL.



## BUILDING Q - ENLARGED PIPING AND CONTROLS

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



COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357

**APPROVED**

WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS

BY: Bridget Rogers DATE: 9-5-25

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM PURSUING CORRECTION OF ERRORS OR OMISSIONS IN PLANS. **REVISIONS OR CORRECTIONS TO CONSTRUCTION**

**AGD**  
ARCHITECTURE | DESIGN

ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
[www.andrewgoodwin.us](http://www.andrewgoodwin.us)



## REVISIONS

REV #	REV DATE	REV DESCRIPTION
-------	----------	-----------------

## REAL



## PROJECT

TRANQUILLITY HIGH SCHOOL  
AQUATIC CENTER  
MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

## CLIENT

GOLDEN PLAINS  
UNIFIED SCHOOL  
DISTRICT

**SHEET TITLE**

BUILDING Q - ENLARGE  
PIPING AND CONTROLS

00% CD FRESNO CO. HEALTH  
DEPT. APPROVAL

DATE: 9/5/2025

TECHNICIAN: DS

PROJECT MANAGER: BS

JOB NUMBER: 79

SHEET NUMBER

M1.08-2

---

LOT DATE: 8/29/2025 4:58:52 PM



CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD									
Nonresidential Performance Compliance Method									
NRCC-PRF-E									
(Page 12 of 20)									
GTA. FENESTRATION ASSEMBLY SUMMARY (NON-RESIDENTIAL)									
G1	G2	G3	G4	G5	G6	G7	G8	G9	
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method <sup>1</sup>	Assembly Method	Area (ft <sup>2</sup> )	Overall U-factor	Overall SHGC	Overall VT	Status <sup>2</sup>	
(P) Operable Window	Vertical Fenestration Operable window N/A	NFRC	Manufactured	60	0.46	0.22	0.32	N	
(P) Storefront Window	Vertical Fenestration Curtain Wall N/A	NFRC	Manufactured	222	0.41	0.26	0.46	N	
(P) Glazed Door	Vertical Fenestration Glazed door N/A	NFRC	Manufactured	63	0.45	0.23	0.17	N	
Glazed Roll-up Door	Vertical Fenestration Glazed door Metal	Default 110.6	Manufactured	306	0.77	0.59	0.53	N	
<sup>1</sup> Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix A4(d) and are used in the analysis.									
<sup>2</sup> Status: N - New, A - Altered, E - Existing									
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance									
Report Version: 2022.0.000									
Schema Version: rev 20220601									
Report Generated: 2025-08-27 16:55:34									
Compliance ID: EnergyPro-20016-0825-0488									

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD									
Nonresidential Performance Compliance Method									
NRCC-PRF-E									
(Page 13 of 20)									
GL OVERHANG DETAILS									
G1	G2	G3	G4	G5	G6	G7			
Fenestration Tag/ ID	Asimuth	Depth (ft)	Height from Top of Sill to Overhang (ft)	Right Extent (ft)	Left Extent (ft)	Flap Height			
Operable Window21	110	8	12.75	30	2	N/A			
Operable Window22	110	8	12.75	25.5	7	N/A			
Operable Window23	110	8	12.75	18.5	14	N/A			
Operable Window24	110	8	12.75	13.5	19	N/A			
Storefront Window L51	110	8	12.5	48.5	0	N/A			
Glazed Door L52	110	8	11	52.25	4.25	N/A			
Glazed Garage Door L53	110	8	12.5	12.25	12.25	N/A			
Glazed Garage Door Middle54	110	8	12.5	12.25	12.25	N/A			
Glazed Garage Door R55	110	8	12.5	12.25	12.25	N/A			
Glazed Door R56	110	8	12.5	4.25	52.25	N/A			
Storefront Window R57	110	8	12.5	0	48.5	N/A			
Glazed Door59	200	11	10.5	52.25	0	N/A			
Storefront Window60	200	11	14.5	9.75	3.75	N/A			
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance									
Report Version: 2022.0.000									
Schema Version: rev 20220601									
Report Generated: 2025-08-27 16:55:34									
Compliance ID: EnergyPro-20016-0825-0488									

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD											NRCC-PRF-E	
Nonresidential Performance Compliance Method												
(Page 14 of 20)												
HL DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRS, ECONOMIZERS ETC.)												
G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	
Equipment Name	Equipment Type	Qty	Heating			Efficiency	Cooling		Efficiency	Economizer Type (if present)	Status <sup>1</sup>	
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit		Total Cooling Output (kBtu/h)	Efficiency Unit				
DS-1	Single-Zone Heat Pump (SDHP) Air System	1	10	0	HSPF2	10.2	9	EER2 SEER2	12.5 21	No Economizer	N	
DS-2	Single-Zone Heat Pump (SDHP) Air System	1	23.6	0	HSPF2	9.1	22.4	EER2 SEER2	12 21	No Economizer	N	
DS-3	Single-Zone Heat Pump (SDHP) Air System	1	0	0	HSPF2	9.1	18.1	EER2 SEER2	12 21	No Economizer	N	
DS-4	Single-Zone Heat Pump (SDHP) Air System	1	0	0	HSPF2	9.1	18.1	EER2 SEER2	12 21	No Economizer	N	
HPC-1A.18	Single-Zone Heat Pump (SDHP) Air System	2	48.5	0	HSPF2	9.3	47	EER2 SEER2	10.5 20.2	No Economizer	N	
HPC-2/FC-2.112.2	Single-Zone Heat Pump (SDHP) Air System	1	48.5	0	HSPF2	9.3	47	EER2 SEER2	10.5 20.2	No Economizer	N	
ERH-1A181C2A2B2C.2D	Single-Zone Air Conditioner (SZAC) Air System	7	1.54	0	N/A	Electric Resistance	0	EER SEER	12.2 14	No Economizer	N	
1 Status: N - New, A - Altered, E - Existing												
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance												
Report Version: 2022.0.000												
Schema Version: rev 20220601												
Report Generated: 2025-08-27 16:55:34												
Compliance ID: EnergyPro-20016-0825-0488												

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD												NRCC-PRF-E			
Nonresidential Performance Compliance Method														(Page 15 of 20)	
H15. NON-RESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY															
G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13			
Name or Item Tag		Qty	Design OA CMF	CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	Status <sup>1</sup>		
									Return / Relief Fan						
DS-1	1	0	430	0.03	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	N		
DS-2	1	0	720	0.06	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	N		
DS-3	1	0	720	0.06	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	N		
DS-4	1	0	720	0.06	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	N		
HPC-1A.18	2	0	2,290	0.16	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	N		
HPC-2/FC-2.112.2	1	0	2,290	0.16	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	N		
ERH-1A.181C2A2B2C.2D	7	0	50	0	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	N		
<sup>1</sup> Status: N - New, A - Altered, E - Existing															
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance															
Report Version: 2022.0.000															
Schema Version: rev 20220601															
Report Generated: 2025-08-27 16:55:34															
Compliance ID: EnergyPro-20016-0825-0488															

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD							NRCC-PRF-E
Nonresidential Performance Compliance Method							(Page 8 of 20)
C7. ENERGY USE SUMMARY							
Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)	
Space Heating	7.9	14.3	-6.4	---	---	---	
Space Cooling	11	8.8	2.2	---	---	---	
Indoor Fans	15.1	10.7	4.4	---	---	---	
Heat Rejection	---	---	---	---	---	---	
Pumps & Misc.	---	---	---	---	---	---	
Domestic Hot Water	0.1	1.7	-1.6	20.8	---	---	
Indoor Lighting	8.2	8.2	0	---	---	---	
Flexibility	---	---	---	---	---	---	
EFFICIENCY TOTAL	42.3	43.7	-1.4	20.8	0	20.8	
Photovoltaics	---	---	---	---	---	---	
Batteries	---	---	---	---	---	---	
ENERGY USE SUBTOTAL	42.3	43.7	-1.4	20.8	0	20.8	
Receptacle	9.9	9.9	0	---	---	---	
Process	---	---	---	---	---	---	
Other Ltg	0.5	0.5	0	---	---	---	
Process Motors	0.3	0.3	0	---	---	---	
ENERGY USE TOTAL	53	54.4	-1.4	20.8	0	20.8	
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance							Report Generated: 2025-09-27 16:55:34 Compliance ID: EnergyPro-20016-6825-6488
Report Version: 2022.0.000 Schema Version: rev 20220601							



CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method

Documentation Author's Declaration Statement  
I, I certify that this Certificate of Compliance documentation is accurate and complete.  
Documentation Author Name: Jorge Bravo  
Signature Date: 2025-08-27  
Company: EMCOR Services Mesa Energy Systems  
Address: 1500 Palm St  
City/State/Zip: San Luis Obispo, CA 93401  
Phone: 805-540-3363  
CEA/HERS Certification Identification (if applicable):  
Phone: 805-540-3363

- 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 understand that a registered 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, and I will take the necessary steps to accomplish this requirement.  
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.

Responsible Designer Name: Andrew Goodwin Designs  
Address: 1238 Monterey Street  
City/State/Zip: San Luis Obispo, CA 93422  
Phone: 805-439-1611  
License #: 1238  
Title: Designer  
Responsible Designer Name: Brian Starrett  
Address: 1500 Palm St.  
City/State/Zip: San Luis Obispo, CA 93401  
Phone: 805-540-3363  
License #: M 34068  
Title: Mechanical Engineer  
Scope: Mechanical Systems

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220601  
Report Generated: 2025-08-27 16:55:34  
Compliance ID: EnergyPro-20016-0825-0488

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method

01	02	03	04	05	06	07	08
System ID	Zone Name	City	CFM	Power	Power Units	Continuous Operation	Status <sup>1</sup>
Office - 250 SF	1-Office - 250 SF	1	25	0.01	BHP	No	N
Misc - All others	2-Misc - All others	1	55	0.02	BHP	No	N
Sports/Entertainment - 1-well EF	6-Sports/Entertainment - 1-well	1	388	0.41	BHP	No	N
Exhaust - Locker rooms 16x7 EF	8-Exhaust - Locker rooms 16x7	1	800	0.36	BHP	No	N
Exhaust - Toilets public 1x1 EF	9-Exhaust - Toilets public	1	1300	0.88	BHP	No	N
Exhaust - Janitor closets 2x2 EF	10-Exhaust - Janitor closets	1	100	0.06	BHP	No	N

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(a) <sup>1</sup>	Other Special Features and Controls
DW-2	Single Zone Heat Pump (SWP) Air System	No	N/A
WH-11 - SHW	Service Hot Water	N/A	Fixed Temperature Control

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRC-140.4(a).  
1 No = interlocks are provided, No = interlocks are not provided, NA means no operable openings.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220601  
Report Generated: 2025-08-27 16:55:34  
Compliance ID: EnergyPro-20016-0825-0488

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method

01	02	03	04	05	06	07
Zone Name	Ventilation Function	# of People	Supply CA CFM	Exhaust CFM	Conditioned Area (sf)	DCV or Occupant Sensor Controls, or both
1-Office - 250 SF	Office - Office space	0.61	18.1	25	122	N/A
2-Misc - All others	Misc - All others	1.85	55.5	441	441	N/A
3-Electrical General - Uno	General - Unoccupied	0.1	0	0	65	N/A
4-Electrical General - Uno	General - Unoccupied	0.06	0	0	37	N/A
5-Sports/Entertainment - well	Sports/Entertainment Health club/weight rooms	24.58	368.7	388	2458	N/A
8-Exhaust - Locker rooms 16x7	Exhaust - Locker rooms for athletic or industrial facilities	5.11	0	800	511	N/A
9-Exhaust - Toilets public	Exhaust - Toilets, public	5.05	0	1300	1010	N/A

H11. ZONE SYSTEM AND TERMINAL UNIT SUMMARY												
01	02	03	04		05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtu/h)		AirFlow (cfm)			Power	Fan	Power Units	Cycles	VSD
			Heating	Cooling	Design	Min.	Min. Ratio					
1-Office - 250 SF-Trm	Uncontrolled	1	N/A	N/A	430	N/A	0	N/A	N/A	N/A	N/A	<input type="checkbox"/>
2-Misc - All others-Trm	Uncontrolled	1	N/A	N/A	720	N/A	0	N/A	N/A	N/A	N/A	<input type="checkbox"/>
3-Electrical General - Uno-Trm	Uncontrolled	1	N/A	N/A	720	N/A	0	N/A	N/A	N/A	N/A	<input type="checkbox"/>
4-Electrical General - Uno-Trm	Uncontrolled	1	N/A	N/A	720	N/A	0	N/A	N/A	N/A	N/A	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220601  
Report Generated: 2025-08-27 16:55:34  
Compliance ID: EnergyPro-20016-0825-0488

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method

H11. Zonal System and Terminal Unit Summary											
01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtu/h)		Airflow (cfm)			Power	Power Units	Cycles	VSD
			Heating	Cooling	Design	Min.	Min. Ratio				
5-Sports/Entertainment - well-Trm	Uncontrolled	2	N/A	N/A	2,580	N/A	0	N/A	N/A	N/A	<input type="checkbox"/>
8-Exhaust - Locker rooms 76-Trm	Uncontrolled	1	N/A	N/A	1,290	N/A	0	N/A	N/A	N/A	<input type="checkbox"/>
9-Exhaust - Toilets public-Trm	Uncontrolled	7	N/A	N/A	350	N/A	0	N/A	N/A	N/A	<input type="checkbox"/>

01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Heater Element Type	Tank Type	Tank Vol (gal)	Rated Input	Rated Input Unit	Efficiency	Efficiency Unit	Tank Insulation R-value (in)/ft <sup>2</sup>	Standby Loss Fraction	Test No. Rating or Flow Rate (gpm)	Heat Pump Type	Heat Location or Ambient Condition	
AD SMITH BO GALLUP	Electricity	Storage	1	80	4.5	kW	3.88	UEF	N/A	N/A	87	Heat Pump Split Water Heater	N/A

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION  
Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online.  
Building Component: Form/Title  
Envelope: NRC-ENV-E - Envelope (for all buildings)  
Mechanical: NRC-MCH-E - For all buildings with Mechanical Systems  
Plumbing: NRC-PLB-E - For all buildings with Plumbing Systems

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220601  
Report Generated: 2025-08-27 16:55:34  
Compliance ID: EnergyPro-20016-0825-0488

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method

01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Heater Element Type	Tank Type	Tank Vol (gal)	Rated Input	Rated Input Unit	Efficiency	Efficiency Unit	Tank Insulation R-value (in)/ft <sup>2</sup>	Standby Loss Fraction	Test No. Rating or Flow Rate (gpm)	Heat Pump Type	Heat Location or Ambient Condition	
AD SMITH BO GALLUP	Electricity	Storage	1	80	4.5	kW	3.88	UEF	N/A	N/A	87	Heat Pump Split Water Heater	N/A

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE  
Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTP).  
Building Component: Form/Title & System Name(s)  
Envelope: NRC-ENV-E - NRC label verification for fenestration  
Mechanical: NRC-MCH-E - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-Q2-A can be performed in conjunction with MCH-Q7-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap  
Mechanical: DS-1, DS-2, DS-3, DS-4, HPC-1A-1B, HPC-2/FC-2.12.2 and ERH-1A1B1C2A2B2C-2D.  
Mechanical: NRC-MCH-E - Constant Volume Single Zone HVAC  
Mechanical: DS-1, DS-2, DS-3, DS-4, HPC-1A-1B, HPC-2/FC-2.12.2 and ERH-1A1B1C2A2B2C-2D.

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION  
Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online.  
There are no Certificates of Verification applicable to this project.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220601  
Report Generated: 2025-08-27 16:55:34  
Compliance ID: EnergyPro-20016-0825-0488

COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357  
APPROVED  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bright Rogers* DATE: 9-5-25  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION



ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us



REVISIONS  
REV # | REV DATE | REV DESCRIPTION



PROJECT  
TRANQUILITY HIGH SCHOOL  
AQUATIC CENTER  
MODERNIZATION  
6052 Juanche Ave,  
Tranquility, CA 93668

CLIENT  
GOLDEN PLAINS  
UNIFIED SCHOOL  
DISTRICT

SHEET TITLE  
ENERGY COMPLIANCE  
DOCUMENTATION

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH  
DEPT. APPROVAL

DATE: 9/5/2025

TECHNICIAN: DS

PROJECT MANAGER: BS

JOB NUMBER: 791  
SHEET NUMBER

T24-0.01-2

PLOT DATE: 8/28/2025 1:54:20 PM



PLUMBING FIXTURE SCHEDULE												
TAG	FIXTURE	A.D.A.	COMPONENTS	MANUFACTURER	MODEL	POWER V/Ø/HZ	DESCRIPTION	BRANCH PIPE SIZE				INSTALLATION DETAIL
								W	V	CW	HW	
DF-1	DRINKING FOUNTAIN IN WALL / DUAL HEIGHT	YES	FOUNTAIN	HAWS	1117.8-1920H0	NA	IN-WALL MOUNTED, DUAL HEIGHT, STAINLESS STEEL PUSH BUTTON DRINKING FOUNTAIN, 36" STAINLESS STEEL PANEL, PROVIDE WITH MOTION ACTIVATED BOTTLE FILLER, PROVIDE WITH STOPS AND SUPPLIES.	2"	1-1/2"	1/2"	NA	NA
FD-1	FLOOR DRAIN	NA	DRAIN	WATTS	FD-100-A	NA	5/8" CAST IRON WITH ROUND BRONZE STRAINER, NO HUB OUTLET, PROVIDE WITH VANDAL PROOF SCREWS, HEEL PROOF STRAINER AND TRAP PRIMER CONNECTION.	2"	1-1/2"	NA	NA	3/P0.01-2
FS-1	FLOOR SINK	NA	DRAIN	WATTS	FS-730	NA	12 x 12 x 6-1/4 ENAMELED CAST IRON WITH HALF GRATE, SEDIMENT BUCKET, AND DOME STRAINER.	2"	1-1/2"	NA	NA	NA
FS-2	FLOOR SINK	NA	DRAIN	WATTS	FS-730	NA	13 x 12 x 6-1/4 ENAMELED CAST IRON WITH HALF GRATE, SEDIMENT BUCKET, AND DOME STRAINER. CONTRACTOR SHALL COORDINATE THE PLACEMENT OF THE FLOOR SINK SUCH THAT IT IS FULLY CONTAINED WITHIN THE PERIMETER OF THE SINK COMPARTMENT AND NOT PARTIALLY EXPOSED TO THE ADJACENT OPEN FLOOR AREA.	3"	1-1/2"	NA	NA	NA
HB-1	HOSE BIBB RECESSED	NA	HOSE BIBB	WOODFORD	MB24	NA	RECESSED, CHROME PLATED BRASS WITH VACUUM BREAKER, PROVIDE W/LOOSE TEE KEY.	NA	NA	3/4"	NA	NA
HB-2	HOSE BIBB WALL MOUNT	NA	HOSE BIBB	WOODFORD	24	NA	WALL MOUNT, POLISHED CHROME BRASS WITH VACUUM BREAKER, PROVIDE W/LOOSE TEE KEY.	NA	NA	3/4"	NA	NA
IMS-1	ICE MAKER SUPPLY	NA	SUPPLY BOX	OATEY	39152	NA	6x6x3-3/8" PLASTIC BOX RECESSED IN WALL WITH BRASS QUARTER TURN VALVE, PROVIDE WITH WATER HAMMER ARRESTOR.	1/2"	NA	NA	NA	NA
LAV-1	LAVATORY COUNTER MOUNT	YES	SINK	ACORN	1953LC	NA	WALL MOUNT, 22x20, STAINLESS STEEL, RECTANGULAR LAVATORY, LESS VALVE, 4" ON CENTERED, TWO HOLES PUNCHED DECK.	2"	1-1/2"	1/2"	1/2"	13/P0.01-2
			FAUCET	ZURN	ZB6500-XL	NA	0.5 GPM, PROVIDE POINT OF USE THERMOSTATIC MIXING VALVE, THERMOSTATIC MIXING VALVE SHALL LIMIT OUTLET TEMPERATURE TO 110°F.					
MSK-1	MOP SINK	NA	SINK	FIAT	TSBC1610	NA	FLOOR MOUNTED, 24x24x12, TERRAZZO, CORNER PLACEMENT.	3"	2"	3/4"	3/4"	NA
			FAUCET	T&S BRASS	B-0665-BSTP-963	NA	PROVIDE WITH VACUUM BREAKER, DRAIN, RIM GUARD, HOSE, MOP HANGER AND WALL GUARDS.					
S-1	SINK FREE STANDING 3 COMP	NA	SINK	ADVANCED TABCO	FE-3-1014-15RLX	NA	FREE STANDING, 60x19-3/4x10, STAINLESS STEEL, TRIPPLE BASIN.	2"	1-1/2"	1/2"	1/2"	NA
			FAUCET	ADVANCED TABCO	DTA-53	NA	1.5 GPM AERATOR.					
S-2	SINK FREE STANDING DOUBLE BOWL	NA	SINK	ADVANCED TABCO	FE-1-11620-18L	NA	36-1/2x26-3/4x12, STAINLESS STEEL, LEFT SIDE DRAIN PAN, SINGLE BASIN, PROVIDE WITH K-700 SPLASH GUARD, STRAINER, STOPS & SUPPLIES.	2"	1-1/2"	1/2"	1/2"	NA
			FAUCET	ADVANCED TABCO	K-1	NA	1.0 GPM AERATOR.					
UR-1	URINAL WALL MOUNTED	YES	URINAL	ACORN	2158-T-1	NA	WALL MOUNTED, 17x13x22-1/2, STAINLESS STEEL, LESS VALVE.	2"	1-1/2"	1-1/4"	NA	NA
			FLUSH VALVE	SLOAN	ROYAL 186	NA	0.125 GPF, MANUAL OPERATED.					
WC-1	WATER CLOSET FLOOR MOUNT FLUSH VALVE	YES	BOWL	ACORN	R2141-3	NA	FLOOR MOUNTED, ELONGATED BOWL, 28-1/4x17, STAINLESS STEEL.	3"	2"	1-1/4"	NA	NA
			FLUSH VALVE	SLOAN	111	NA	1.28 GPF, MANUAL OPERATED.					
WC-2	WATER CLOSET FLOOR MOUNT FLUSH VALVE	NA	SEAT	BEEMIS	1955SSCT	NA	ELONGATED, OPEN FRONT SEAT.	3"	2"	1-1/4"	NA	NA
			BOWL	ACORN	R2141-3	NA	FLOOR MOUNTED, ELONGATED BOWL, 28-1/4x17, STAINLESS STEEL.					
			FLUSH VALVE	SLOAN	111	NA	1.28 GPF, MANUAL OPERATED.					
			SEAT	BEEMIS	1955SSCT	NA	ELONGATED, OPEN FRONT SEAT.					

GENERAL NOTES APPLICABLE TO ALL FIXTURES:  
A. BRANCH PIPE SIZES TO INDIVIDUAL FIXTURES SHALL BE AS SCHEDULED UNLESS OTHERWISE SPECIFIED.  
B. FIXTURES SCHEDULED AS ACCESSIBLE SHALL BE INSTALLED PER ACCESSIBLE FACILITIES REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS.  
C. UNLESS OTHERWISE NOTED, COORDINATE SINK FAUCET MOUNTING HOLES WITH THE SPECIFIED FAUCET. FAUCETS SHALL BE CENTERED OVER THE BOWL. SINKS SHALL NOT BE PROVIDED WITH SPARE MOUNTING HOLES THAT ARE NOT COVERED BY THE FAUCET.  
D. MANUAL FLUSH VALVES SHALL BE INSTALLED WITH THE HANDLE ON THE WIDE SIDE OF THE WATER CLOSET.

HEAT PUMP - ELECTRIC STORAGE WATER HEATER SCHEDULE														
TAG	MAKE	MODEL	STORAGE GALLONS	DIMENSIONS Ø" X HEIGHT"	INLET CONNECTION (INCHES)	SET TEMP °F	UEF	INSTALLATION LOCATION	ELECTRICAL DATA			OPERATING WEIGHT (LBS)	NOTES (SEE BELOW)	INSTALLATION DETAIL
									POWER V/φ/HZ	WATTS KW	MCCP			
<div>WHP 1</div>	AO-SMITH	HPTS-80	80	27" x 69"	3/4	120	3.88	JANITOR (Q-103)	208/1/60	4.5	30	975	1	8/P0.01-2
NOTES: 1. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.														

NOTES: 1. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
		BACK FLOW PREVENTOR
		BALANCING VALVE
		BALL VALVE
	BFV	BUTTERFLY VALVE
		CAP
		CHECK VALVE
	CP	CIRCULATION PUMP
	COTG	CLEAN OUT THROUGH GRADE
	DIA	DIAMETER
		ELECTRICAL PHASE
	FCO	FLOOR CLEAN OUT
	HB	HOSE BIBB
		PIPE REDUCER
		RECESSED HOSE BIBB
		SHUT OFF VALVE IN PIPE DROP OR PIPE RISER
	YB	SHUT OFF VALVE IN YARD BOX
		STRAINER
	T&P	TEMPERATURE AND PRESSURE RELIEF VALVE
	TPV	TRAP PRIMER VALVE
		UNION
		PIPE DOWN
		PIPE UP
		PIPE TEE DOWN
		PIPE INTERSECTION
		PLUG VALVE ELEVATION VIEW
	PV	PLUG VALVE PLAN VIEW
		REDUCED PRESSURE BACK FLOW PREVENTOR
	WCO	WALL CLEANOUT
	WHA	WATER HAMMER ARRESTOR
	CW	COLD WATER
	CD	CONDENSATE DRAIN
	G	GAS (NATURAL OR PROPANE)
	GW	GREASE WASTE
	HW	HOT WATER
	HWR	HOT WATER RETURN
	V	SANITARY VENT
	TP	TRAP PRIMER
	SW	WASTE (BELOW GRADE)
	AP	ACCESS PANEL. SIZE GIVEN INDICATES MINIMUM SIZE REQUIRED

PLUMBING ABBREVIATIONS		
ABV	ABOVE	GPF GALLONS PER FLUSH
ADA	AMERICANS WITH DISABILITIES ACT	GPM GALLONS PER MINUTE
AFF	ABOVE FINISHED FLOOR	GW GREASE WASTE
AG	ABOVE GRADE	HP HORSE POWER
AHJ	AUTHORITY HAVING JURISDICTION	HW HOT WATER
ALUM	ALUMINUM	I.E. INVERT ELEVATION
AMP	AMPERAGE	INH INCHES PER HOUR
AP	ACCESS PANEL	IWC INCHES OF WATER COLUMN
ARCH	ARCHITECT, ARCHITECTURAL	KW KILOWATTS
BEL	BELOW	LAV LAVATORY
BF	BELOW FLOOR	LBS POUNDS
BG	BELOW GRADE	MAX MAXIMUM
BFP	BACKFLOW PREVENTOR	MBH 1000 BRITISH THERMAL UNITS PER HOUR
BLDG	BUILDING	MCA MINIMUM CIRCUIT AMPS
BOD	BASIS OF DESIGN	MECH MECHANICAL
BTUH	BRITISH THERMAL UNIT PER HOUR	MFGR MANUFACTURE OR MANUFACTURER
CA	COMBUSTION AIR	MIN MINIMUM
CD	CONDENSATE DRAIN	(N) NEW
CFH	CUBIC FEET PER HOUR	NPS NOMINAL PIPE SIZE
CI	CAST IRON	NTS NOT TO SCALE
CONN	CONNECTION	PH PHASE
CONT	CONTINUATION	PSI POUNDS PER SQUARE INCH
CP	CHROME PLATED	PW PROCESS WASTE
CPC	CALIFORNIA PLUMBING CODE	RM ROOM
COTG	CLEAN OUT THROUGH GRADE	RPV REVOLUTIONS PER MINUTE
CW	COLD WATER	SOL STORM DRAIN LEADER
DFU	DRAINAGE FIXTURE UNITS	SOD STORM DRAIN OVERFLOW
DN	DOWN	SOV SHUT OFF VALVE
DSA	DIVISION OF THE STATE ARCHITECT	SS STAINLESS STEEL
(E)	EXISTING	TEMP TEMPORARY, TEMPERATURE
EC	EVAPORATIVE COOLER	TPY TYPICAL
EFF	EFFICIENCY	UON UNLESS OTHERWISE NOTED
ELEC	ELECTRICAL	UTR UP TO OR UP THROUGH ROOF
EQPT	EQUIPMENT	V VENT
FCO	FLOOR CLEAN OUT	VAC VACUUM
FFE	FINISH FLOOR ELEVATION	VTR VENT THROUGH ROOF
FLA	FULL LOAD AMPS	W WASTE
FLR	FLOOR	WC WATER CLOSET
FPS	FEET PER SECOND	WCO WALL CLEAN OUT
FR	FROM	WHA WATER HAMMER ARRESTOR
FT	FLUSH TANK	WSFU WATER SUPPLY FIXTURE UNIT
FV	FLUSH VALVE	WT WEIGHT EXPRESSED IN POUNDS
GA	GAGE OR GAUGE	W/ WITH
GPC	GALLONS PER CYCLE	W/O WITHOUT

PROJECT TEAM LIST			
TITLE	NAME	DESK NUMBER	EMAIL ADDRESS
PRINCIPAL IN CHARGE	BRIAN STARRETT	805.540.5358	BSTARRETT@3CENG.COM
PROJECT MANAGER	BRIAN STARRETT	805.540.5358	BSTARRETT@3CENG.COM
MECHANICAL DESIGNER	DREW SCHMIDT	805.540.3363 EXT 310	DSCHMIDT@3CENG.COM
PLUMBING DESIGNER	ELI FERMAN	805.540.3363 EXT 309	EFERMAN@3CENG.COM

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
P0.00-2	BUILDING Q - GENERAL & SCHEDULES
P0.01-2	BUILDING Q - DETAILS
P1.05-2	BUILDING Q - WASTE & VENT FLOOR PLAN
P1.06-2	BUILDING Q - HOT AND COLD WATER FLOOR PLAN
P1.15-2	BUILDING Q - ROOF PLAN

WATER PIPE SIZING CRITERIA CALCULATION		
ELEMENT	PRESSURE (PSI)	PRESSURE (FT H2O)
STATIC PRESSURE IN MAIN	50.0	115.3
LOSS THROUGH METER	9.8	22.6
LOSS THROUGH BACKFLOW PREVENTOR	12.0	27.7
PRESSURE LOSS THROUGH PRV	0.0	0.0
OTHER DOWNSTREAM PRESSURE LOSSES	0.0	0.0
PRESSURE LOSS THROUGH ELEVATION HEAD (@0.434 PSI PER FOOT H2O) (IF LOSS IS NEGATIVE, THIS INDICATES FINAL FIXTURE IS LOWER THAN THE MAIN LINE AND THERE IS A GAIN IN PRESSURE)	0.0	0.0
PRESSURE REQUIRED AT FINAL FIXTURE	0.0	0.0
REMAINING PRESSURE FOR FRICTION LOSSES	28.2	65.0
NOMINAL DISTANCE BETWEEN MAIN AND FINAL FIXTURE (FT)		75.0
TOTAL DEVELOPED LENGTH BETWEEN MAIN AND FINAL FIXTURE (FT) (ACCOUNTING FOR MINOR LOSSES WITH NOMINAL DISTANCE X 1.4)		105.0
PRESSURE SIZING CRITERIA (PSI LOSS / 100'-0" OF PIPING)		8.0
PRESSURE SIZING CRITERIA (FT H2O LOSS / 100'-0" OF PIPING)		18.4
CW VELOCITY SIZING CRITERIA (FT/S)		8.0
HW VELOCITY SIZING CRITERIA (FT/S)		5.0
ASSUMED GPM FROM FIXTURE UNIT COUNT		70.0
DOMESTIC WATER PIPING IS SIZED BASED ON PRESSURE LOSS IN PSI PER 100 FEET OF PIPING. IF THE ALLOWABLE PRESSURE LOSS STATED ABOVE IS GREATER THAN 8 PSI PER 100 FEET OF PIPE, SIZING SHALL BE BASED ON A PRESSURE LOSS OF 8 PSI PER 100 FEET OF PIPE WITH A MAXIMUM VELOCITY OF 8 FEET PER SECOND FOR COLD WATER AND 5 FEET PER SECOND FOR HOT WATER.		

PLUMBING GENERAL NOTES	
1	COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING CODES:  2022 CALIFORNIA ADMINISTRATIVE CODE (CAC); PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) 2022 CALIFORNIA BUILDING CODE (CBC); PART 2, TITLE 24 CCR 2022 CALIFORNIA ELECTRICAL CODE (CEC); PART 3, TITLE 24 CCR 2022 CALIFORNIA MECHANICAL CODE (CMC); PART 4, TITLE 24 CCR 2022 CALIFORNIA PLUMBING CODE (CPC); PART 5, TITLE 24 CCR 2022 CALIFORNIA ENERGY CODE (CEC); PART 6, TITLE 24 CCR 2022 CALIFORNIA FIRE CODE (CFC); PART 9, TITLE 24 CCR 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN); PART 11, TITLE 24 CCR  REPORT DEFICIENCIES WITHIN THIRTY (30) DAYS UPON AUTHORIZATION TO PROCEED. 2 NO PLUMBING SHALL BE INSTALLED UNTIL ALL REQUIRED PLUMBING PLAN CHECK PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM ALL REQUIRED AGENCIES. 3 LAVATORY FAUCETS, SINK FAUCETS (NOT INCLUDING SERVICE SINK FAUCETS OR FAUCETS DESIGNATED AS INSTITUTIONAL) SHALL MEET THE FLOW REQUIREMENTS OUTLINED IN THE APPLIANCE EFFICIENCY STANDARDS. 4 COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES AND DRAINS. 5 PROVIDE ALL TAILPIECES, TRAPS, STOPS, AND SUPPLY PIPES TO LAVATORIES DESIGNED AS ACCESSIBLE, WITH PREFORMED INSULATION JACKET. 6 COORDINATE AND SCHEDULE TIMING FOR ALL UTILITY SERVICE CONNECTIONS. 7 ALL LINES BELOW SLAB ON GRADE TO BE LOCATED AWAY FROM ALL LOAD BEARING FOOTINGS. 8 ALL VENTS THRU ROOF SHALL BE MINIMUM OF 36 INCHES ABOVE ANY MECHANICAL VENTILATION AIR INTAKE WITHIN 10 FEET. PROVIDE VANDAL PROOF HOODS ON ALL VENTS THROUGH ROOF. 9 CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, ROOFS, FOOTINGS, FLOORS, INCLUDING ALL SAW CUTTING AND CORE DRILLING. COORDINATE ALL SAW CUTTING AND CORE DRILLING WITH STRUCTURAL DRAWINGS. ANY CUTTING AND DRILLING REQUIRED OF STRUCTURAL ELEMENTS THAT IS NOT SPECIFICALLY SHOWN ON THE PLANS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION PRIOR TO CUTTING AND DRILLING. CONTRACTOR SHALL SUBMIT PROPOSED LOCATION AND SIZES OF SUCH CUTTING AND DRILLING FOR THE ARCHITECTS AND STRUCTURAL ENGINEERS APPROVAL. 10 COORDINATE ALL EQUIPMENT LOCATIONS, PIPE PENETRATIONS AND EQUIPMENT PAD LOCATIONS WITH STRUCTURAL DRAWING PRIOR TO WORK. 11 COORDINATE INSTALLATION OF ALL EQUIPMENT AND PIPING WITH OTHER TRADES PRIOR TO INSTALLATION. ENSURE THAT ALL CONTROL DEVICES, SHUT-OFF VALVES, ETC. ARE ACCESSIBLE FOR MAINTENANCE. WHERE ACCESS PANELS IN FINISHED SPACES, OTHER THAN THAT SHOWN, CONTRACTOR SHALL PROVIDE AND COORDINATE EXACT LOCATION OF PANELS WITH ARCHITECT PRIOR TO INSTALLATION. 12 ANY STRUCTURAL FIREPROOFING DAMAGED DURING INSTALLATION OF PLUMBING EQUIPMENT, PIPING, ETC. SHALL BE REPAIRED AT NO COST TO THE OWNER. REPAIRS SHALL BE AS DIRECTED BY THE ARCHITECT. 13 ALL PIPING PASSING THROUGH CONCRETE/MASONRY WALLS AND FLOORS ARE TO BE SLEEVED. 14 NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE PER 2022 CPC 609.10. THE METHOD TO BE FOLLOWED SHALL BE THAT PRESCRIBED BY THE HEALTH AUTHORITY OR, IN CASE NO METHOD IS PRESCRIBED BY IT, THE FOLLOWING: A) THE PIPE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL POTABLE WATER APPEARS AT THE POINTS OF OUTLET. B) THE SYSTEM OR PARTS THEREOF SHALL BE FILLED WITH A WATER-CHLORINE SOLUTION CONTAINING NOT LESS THAN 50 PARTS PER MILLION OF CHLORINE, AND THE SYSTEM OR PART THEREOF SHALL BE VALVED-OFF AND ALLOWED TO STAND FOR 24 HOURS. OR, THE SYSTEM OF PART THEREOF SHALL BE FILLED WITH A WATER-CHLORINE SOLUTION CONTAINING NOT LESS THAN 200 PARTS PER MILLION OF CHLORINE AND ALLOWED TO STAND FOR 3 HOURS. C) FOLLOWING THE ALLOWED STANDING TIME, THE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL THE CHLORINE RESIDUAL IN THE WATER COMING FROM THE SYSTEM DOES NOT EXCEED THE CHLORINE RESIDUAL IN THE FLUSHING WATER. D) THE PROCEDURE SHALL BE REPEATED WHERE IT IS SHOWN BY BACTERIOLOGICAL EXAMINATION MADE BY AN APPROVED AGENCY THAT CONTAMINATION PERSISTS IN THE SYSTEM.

# 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 CHAPTER 13, 26 AND 30.

A ALL PERMANENT EQUIPMENT AND COMPONENTS.

B 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.

C 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.

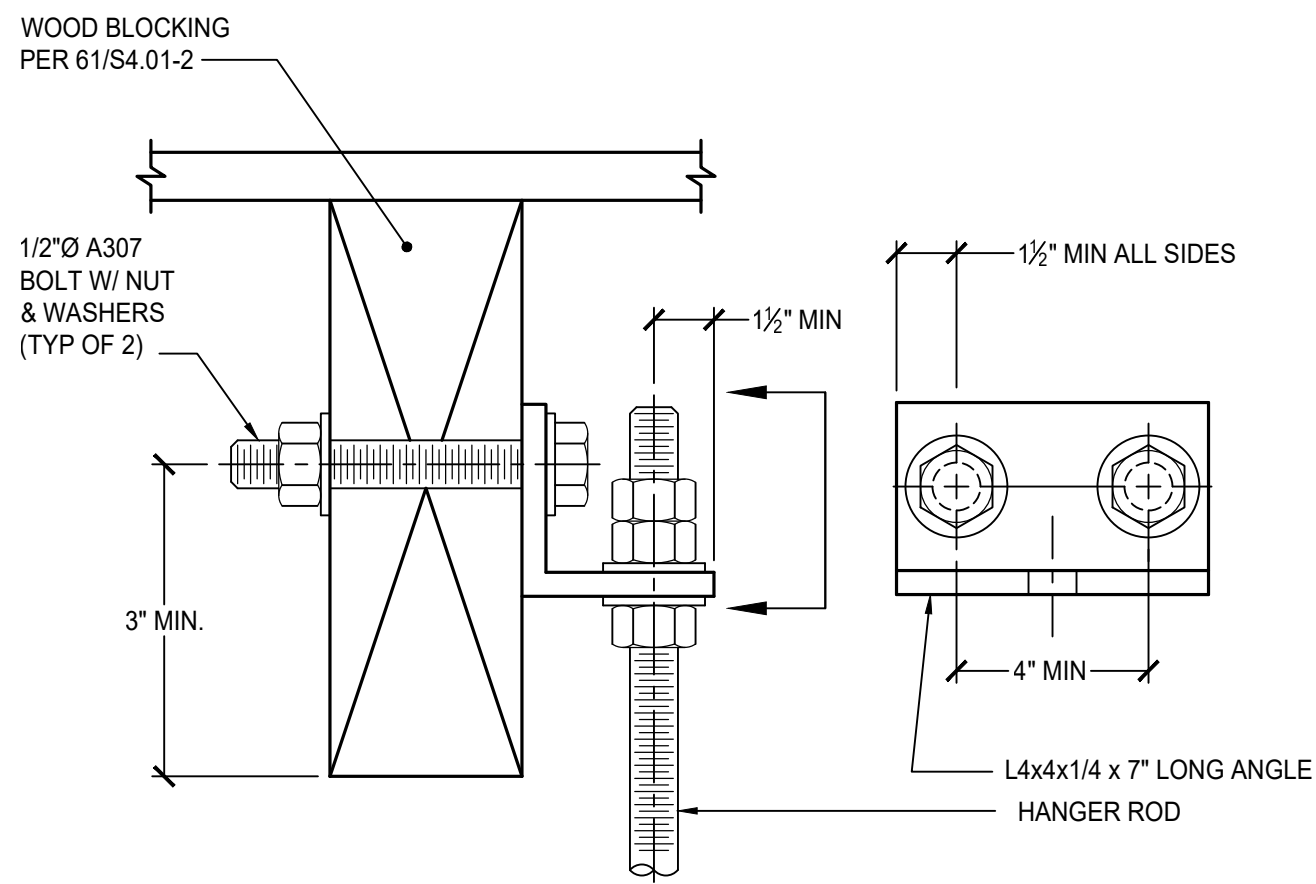
THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL. RESPONSIBILITY CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

## PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

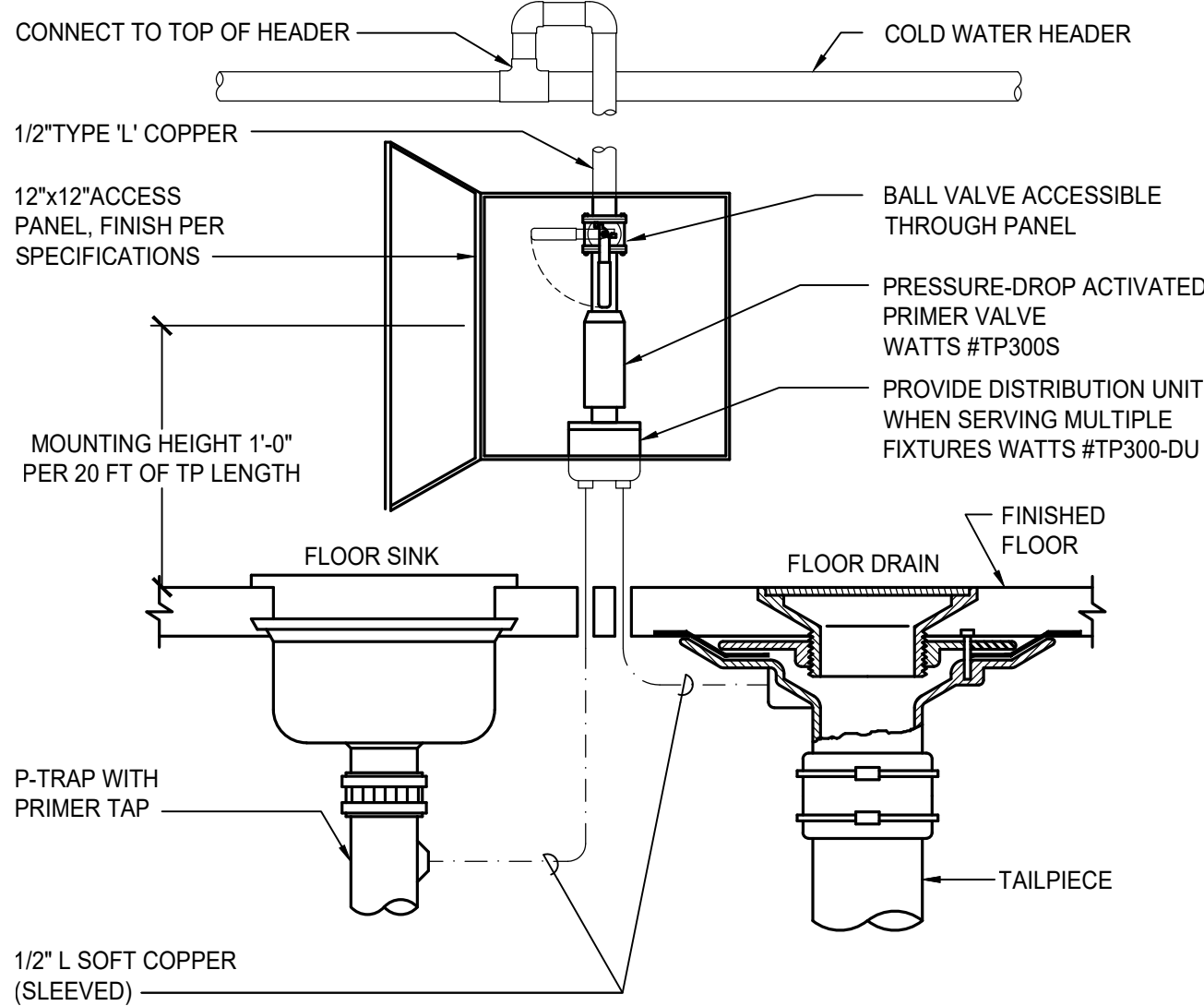
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE APPROVED 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.

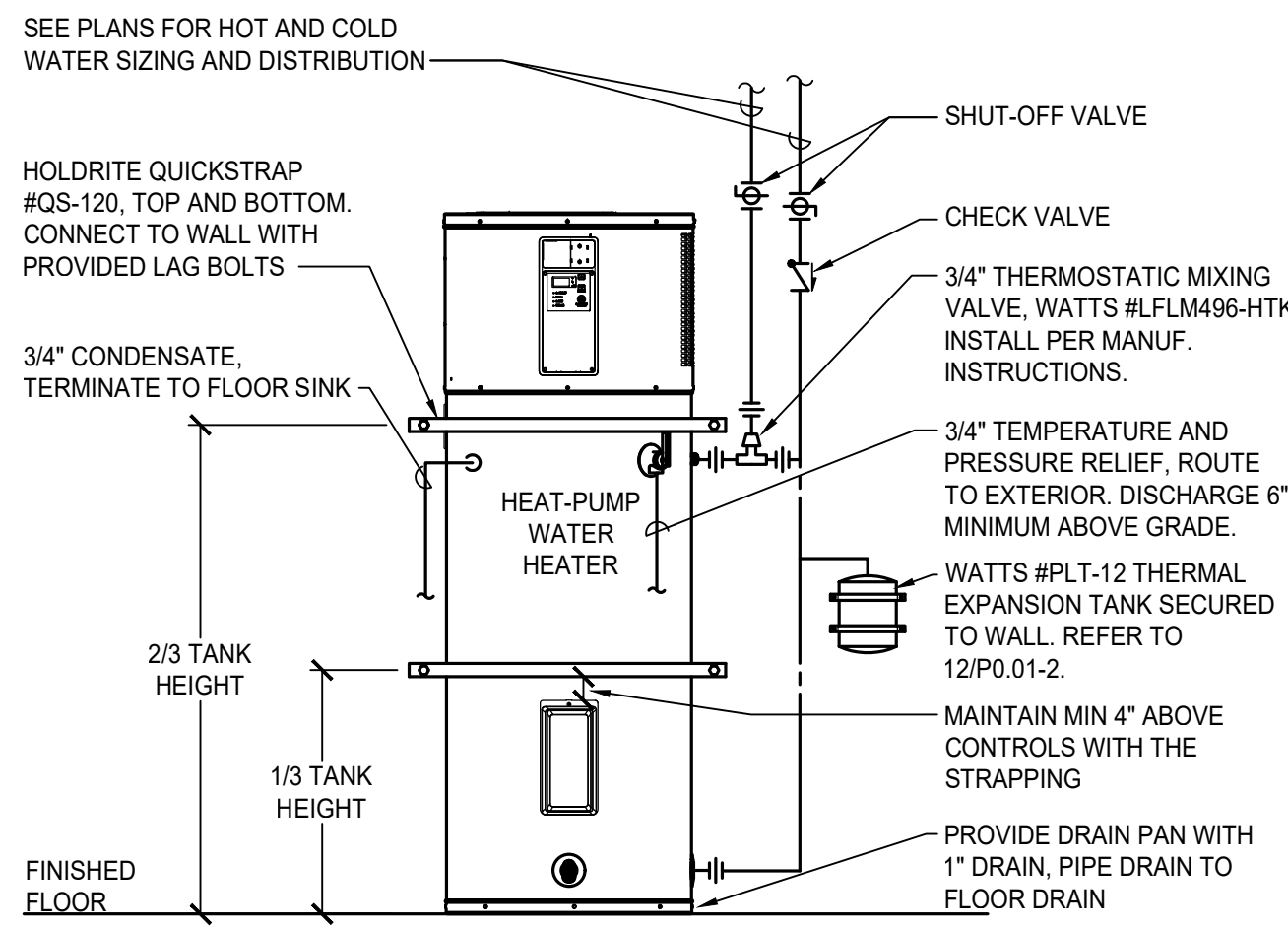




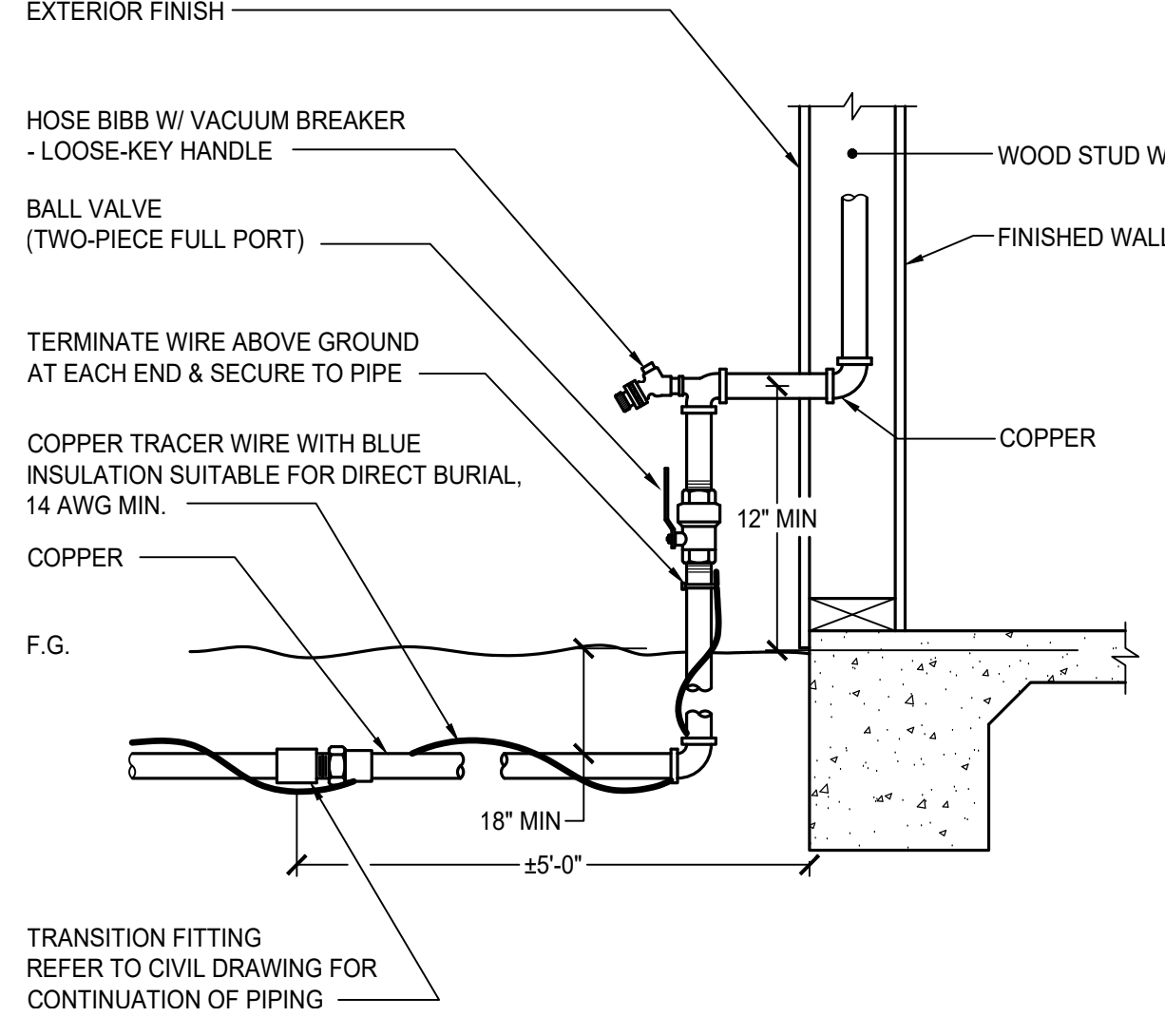
15 SUPPORT CONNECTION  
NTS



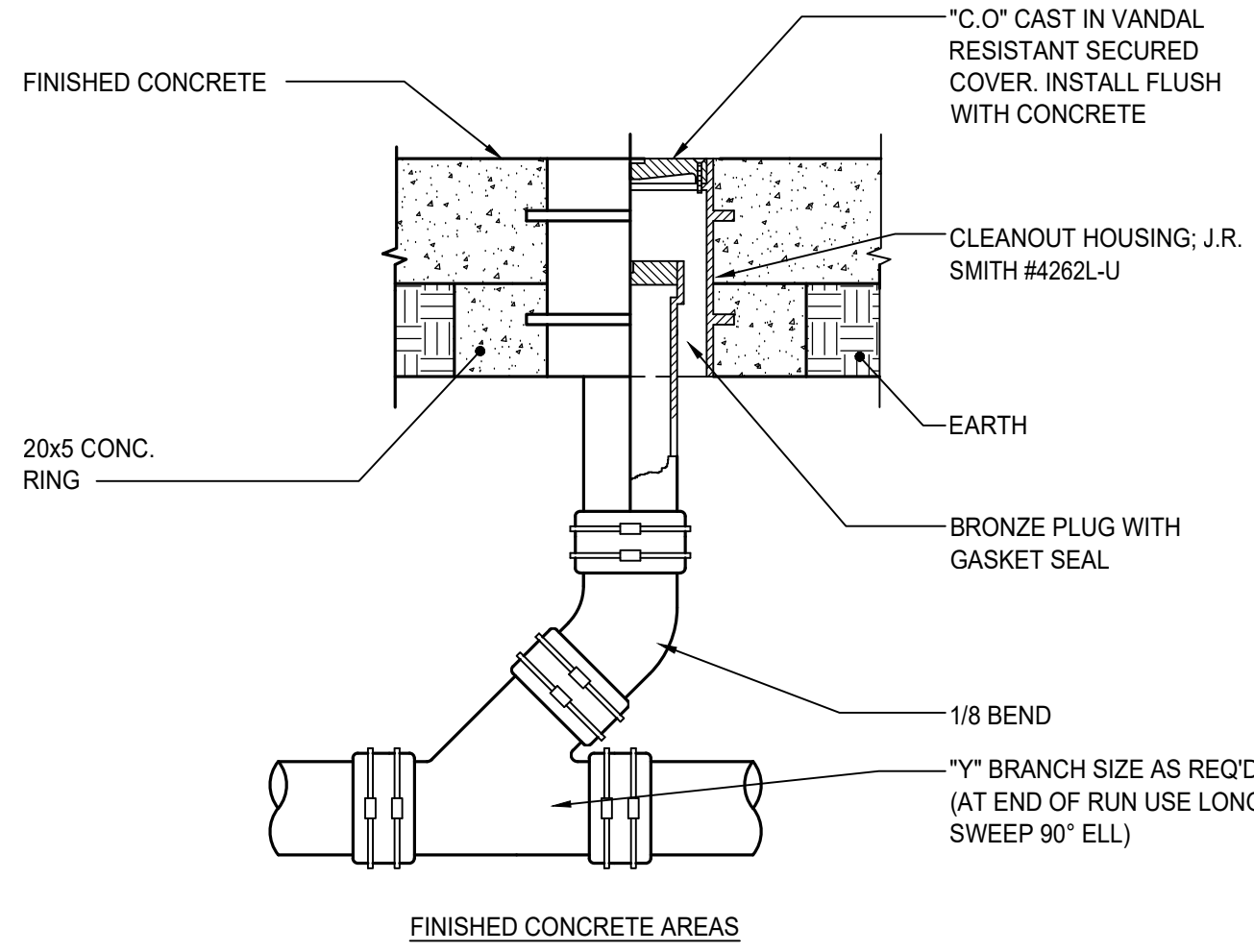
11 TRAP PRIMER  
NTS



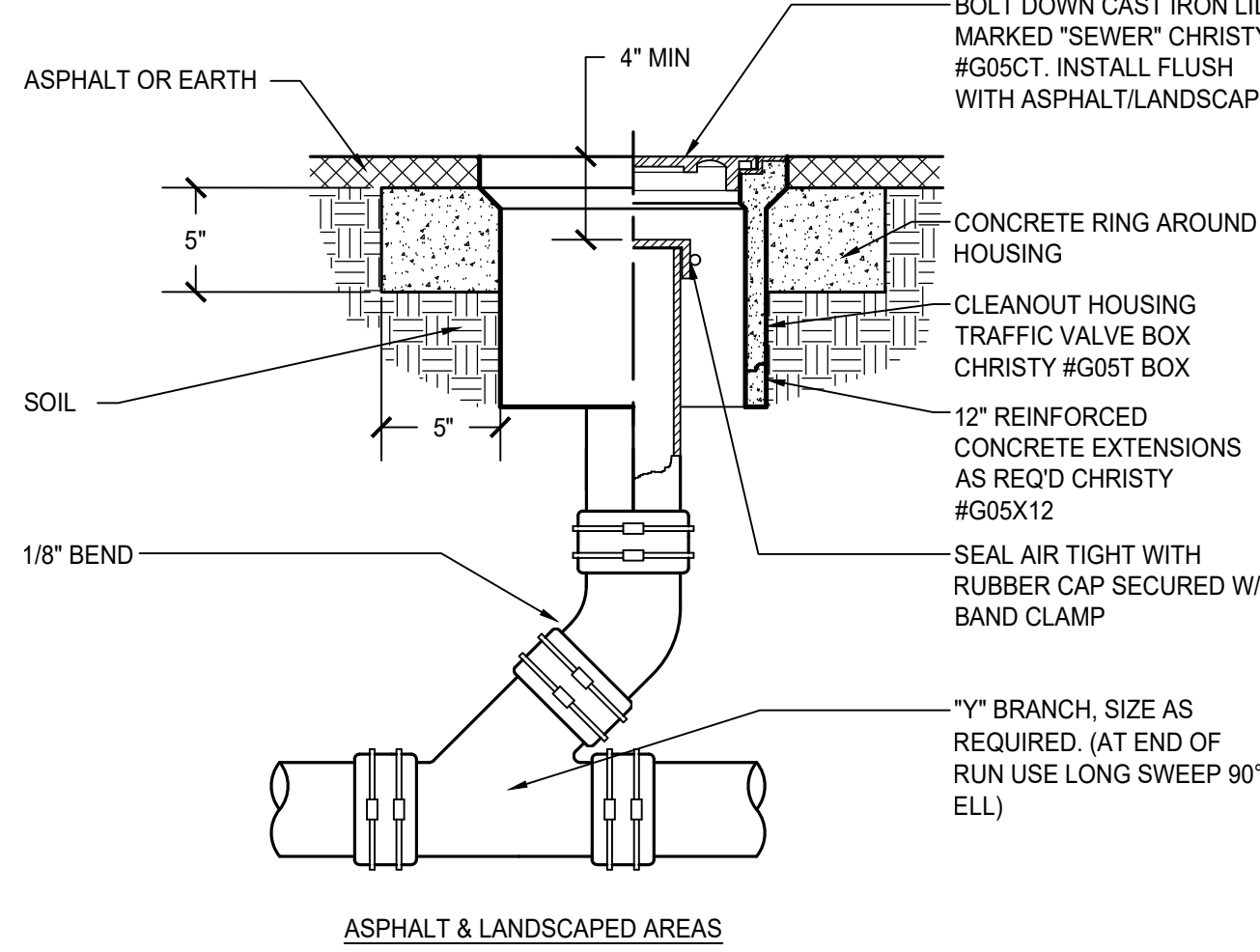
8 HEATPUMP WATER HEATER DETAIL  
NTS



4 BUILDING WATER SUPPLY  
NTS

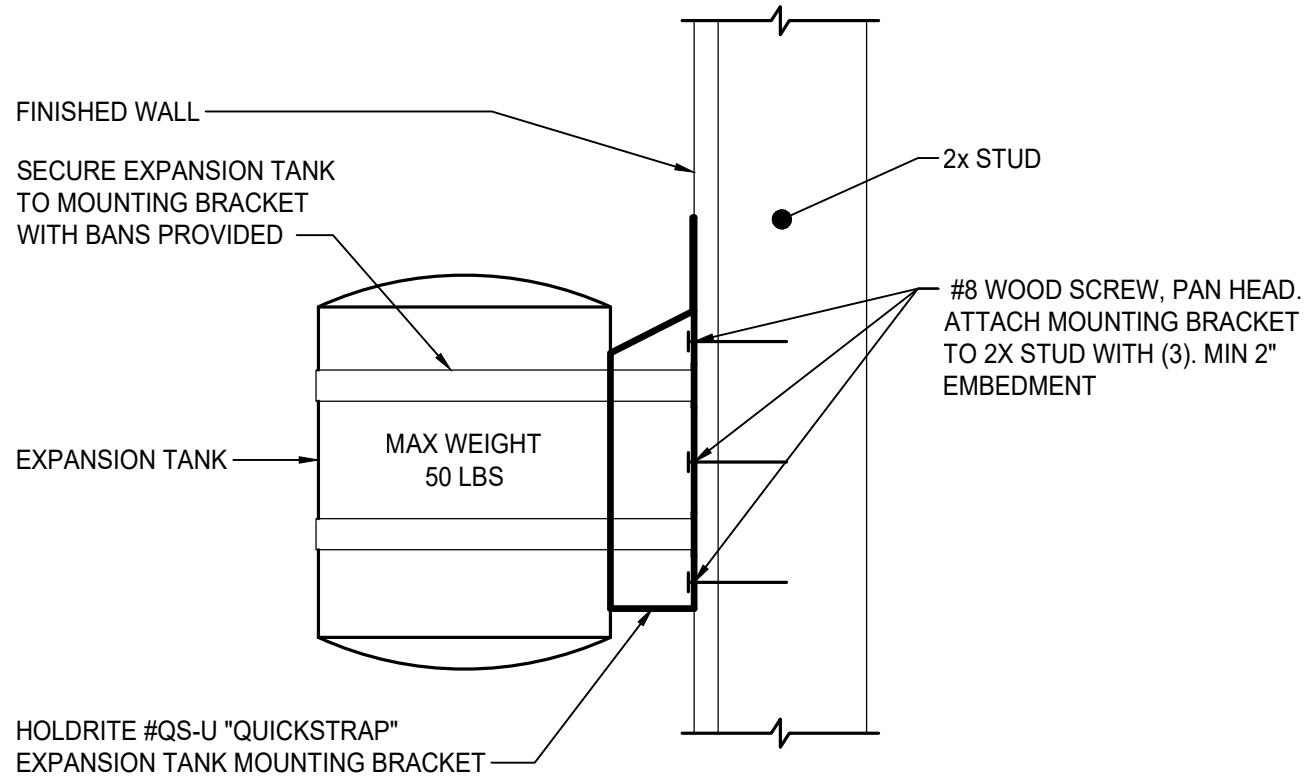


1 CLEANOUT TO GRADE  
NTS

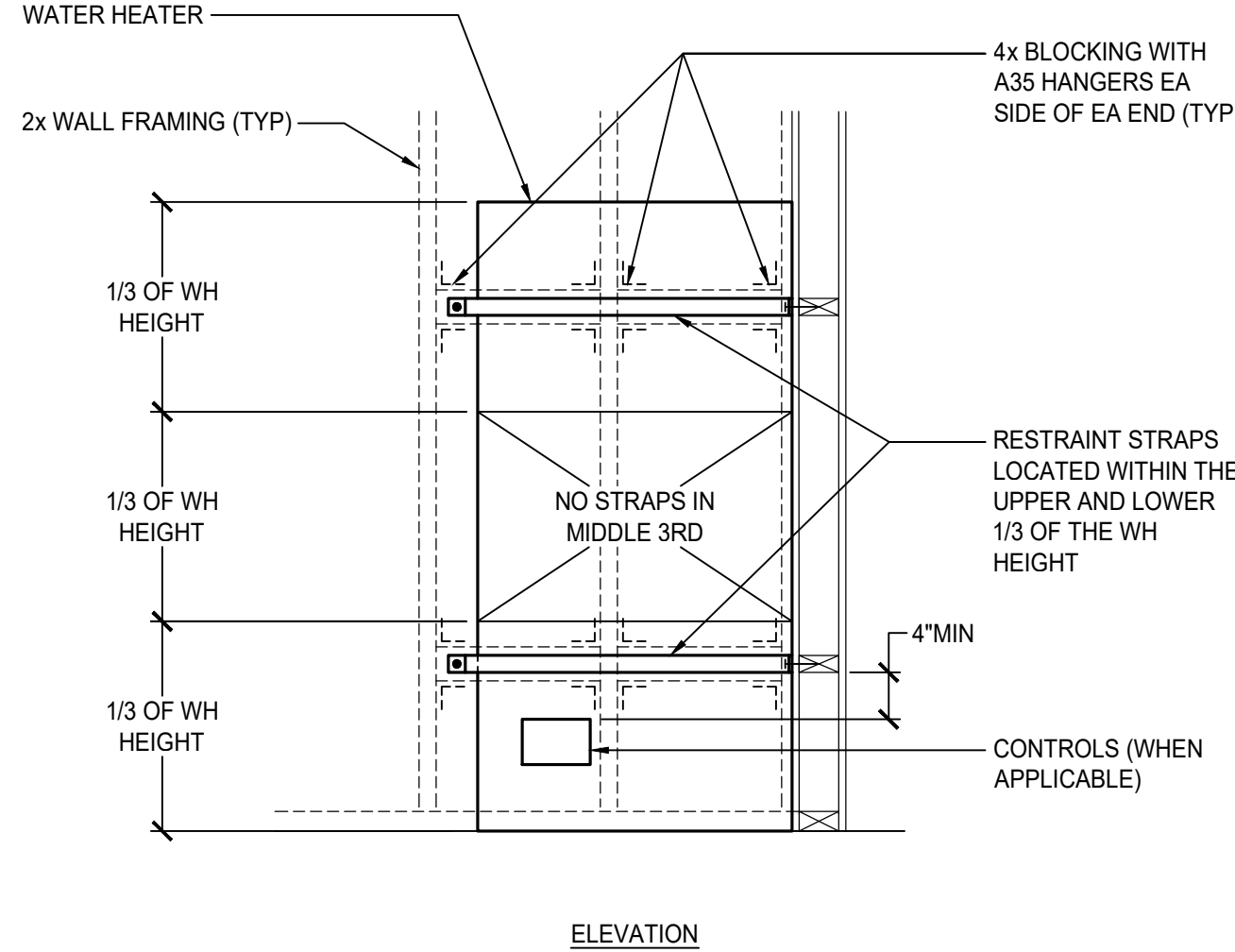


CLEANOUTS: CPC TABLE 707.1		
PIPE SIZE	CLEANOUT SIZE	THREADS (PER INCH)
1-1/2" - 2"	1-1/2"	11-1/2
2-1/2" - 3"	2-1/2"	8
4" & LARGER	3-1/2"	8

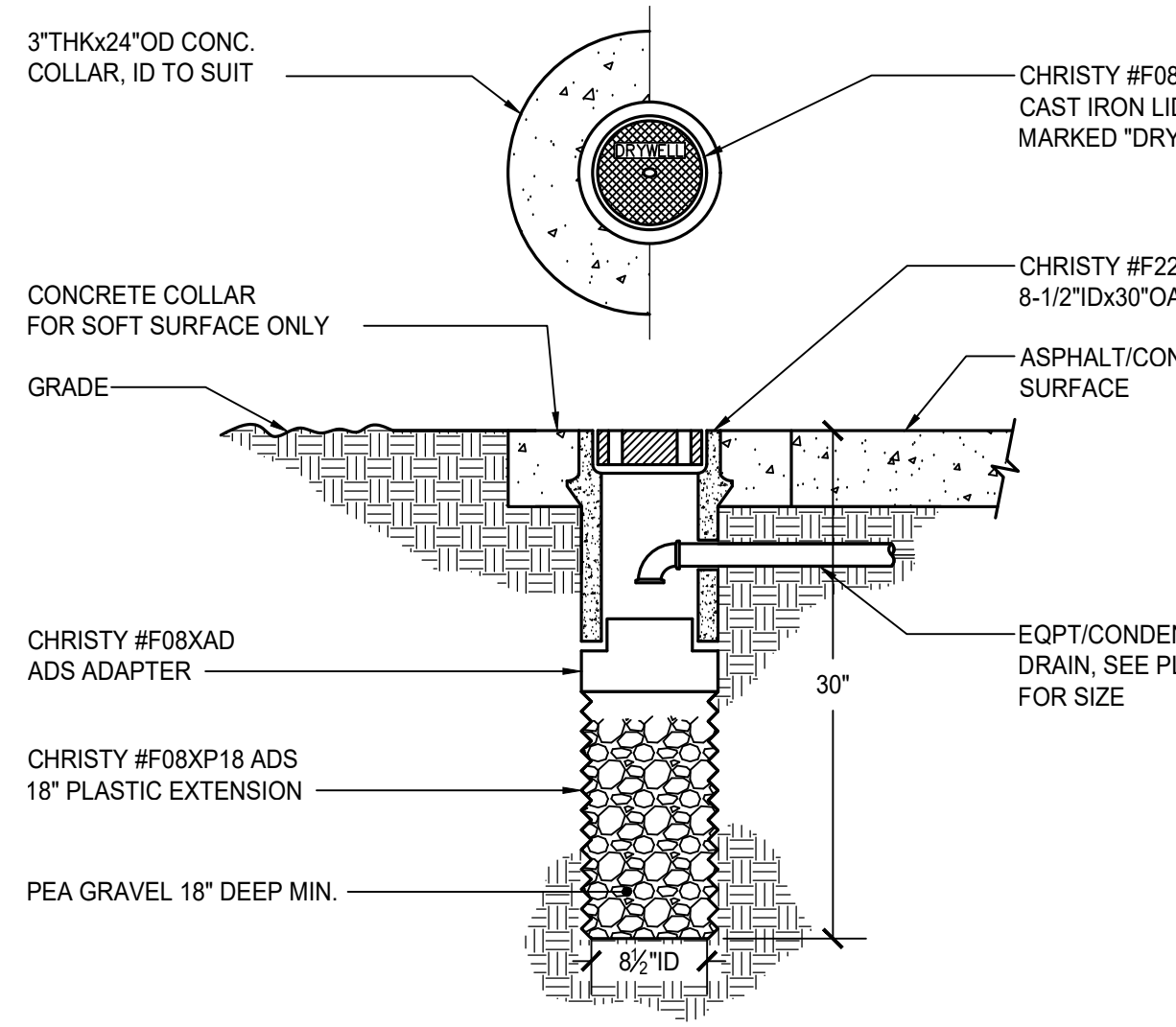
1 CLEANOUT TO GRADE  
NTS



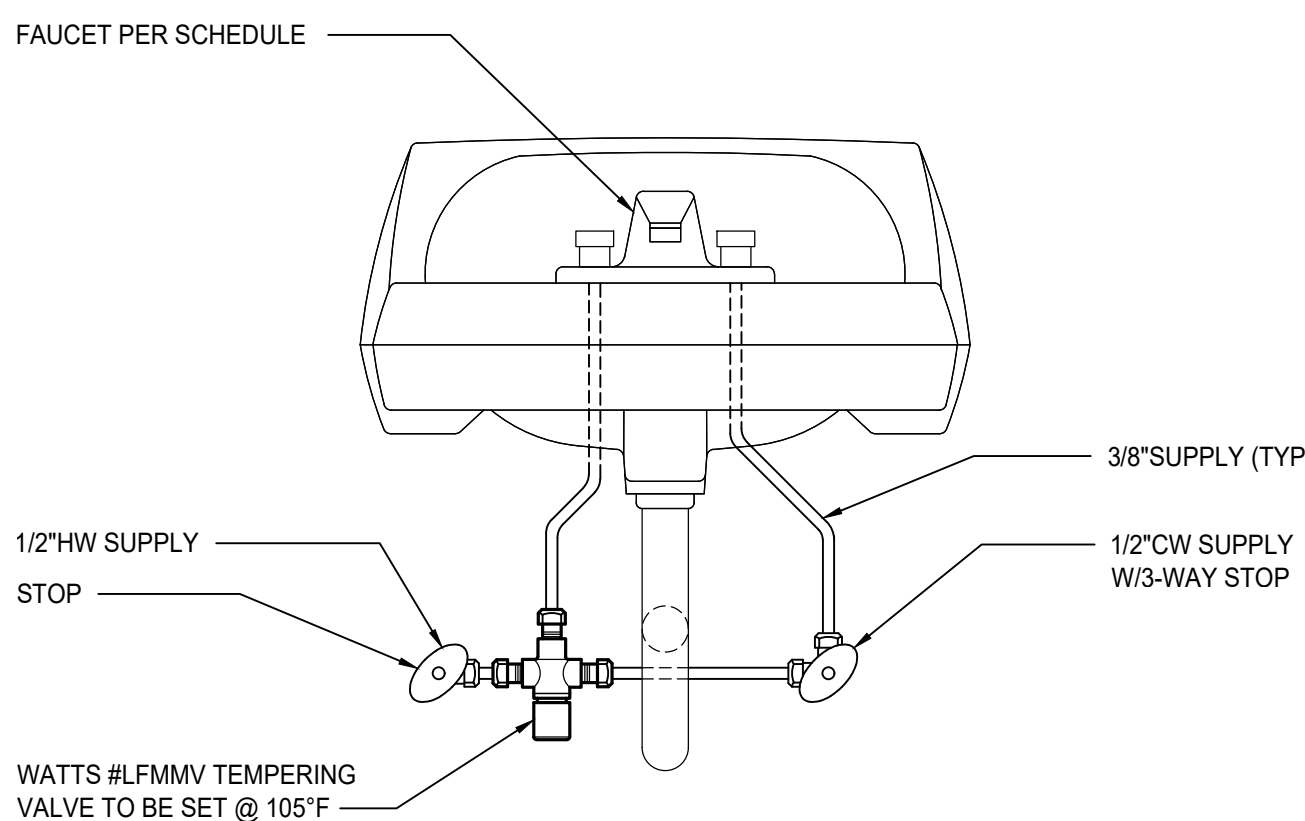
12 EXPANSION TANK SUPPORT  
NTS



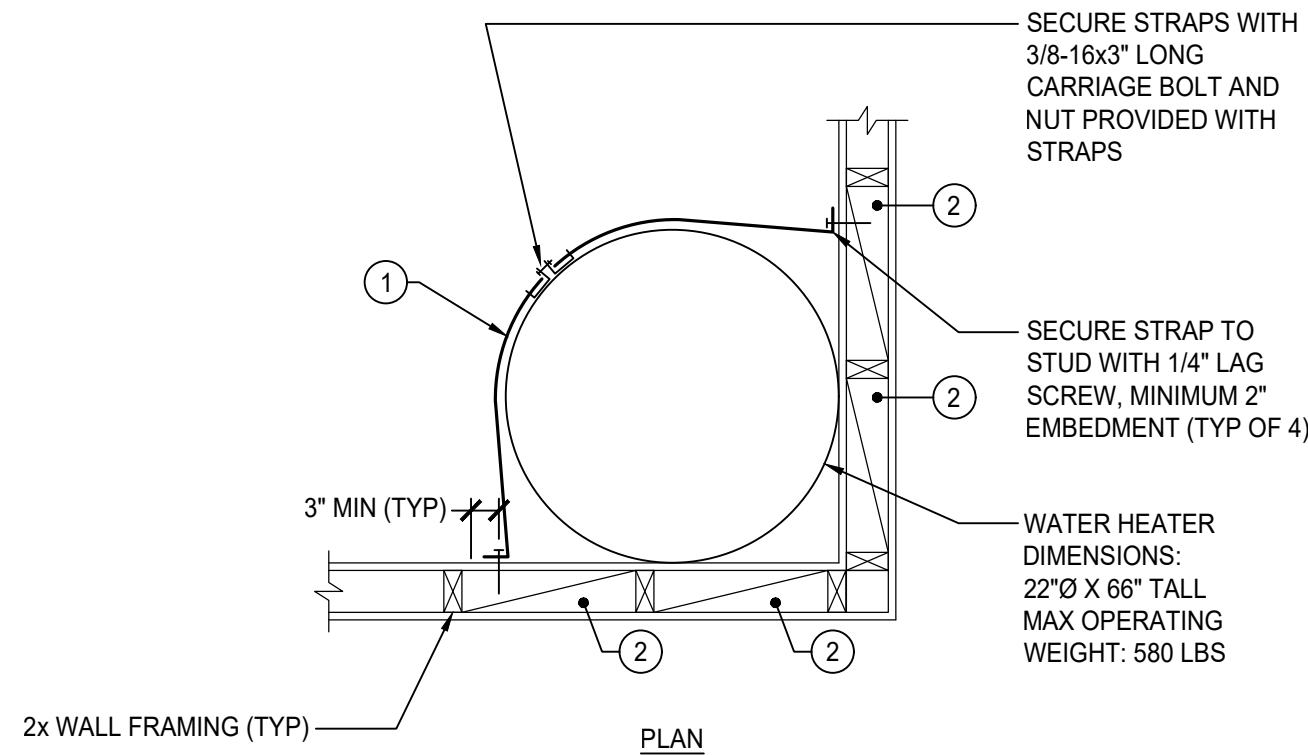
ELEVATION



5 DRYWELL  
NTS

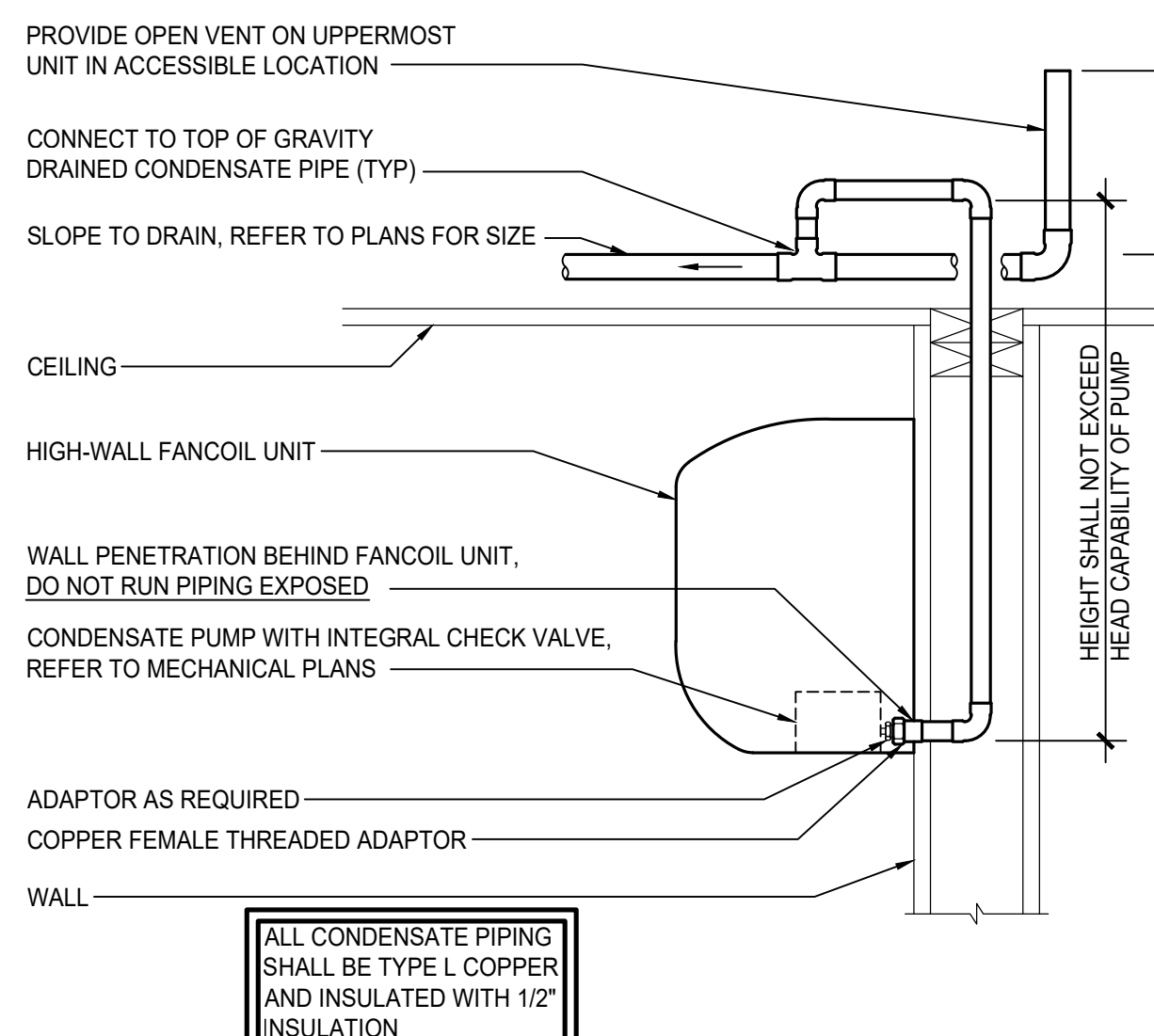


13 LAVATORY TEMPERING VALVE  
NTS

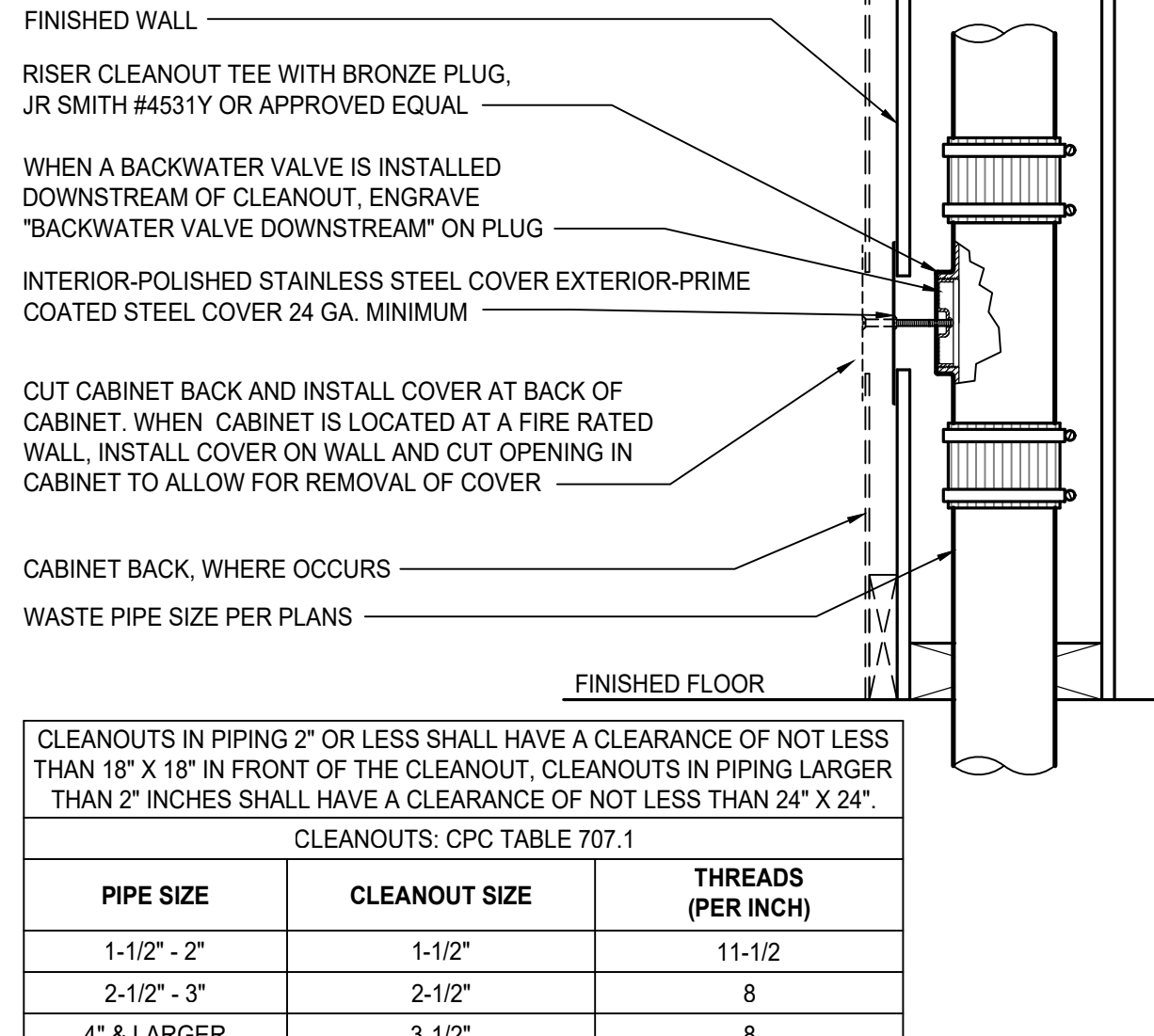


KEY NOTES	
APPLICABLE TO THIS DETAIL ONLY	
1	HOLDRITE QUICK STRAP WATER HEATER RESTRAINT STRAPS. PROVIDE MODEL QS-50 (DSA APPROVAL NO. 97-010) FOR WATER HEATERS UP TO 80 GALLONS. PROVIDE MODEL QS-120 (DSA APPROVAL NO. 98-018) FOR WATER HEATERS 81-120 GALLONS. INSTALL IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
2	4X BLOCKING WITH A35 CLIPS EACH SIDE OF EACH END. SEE DETAIL 63/S4.02-2

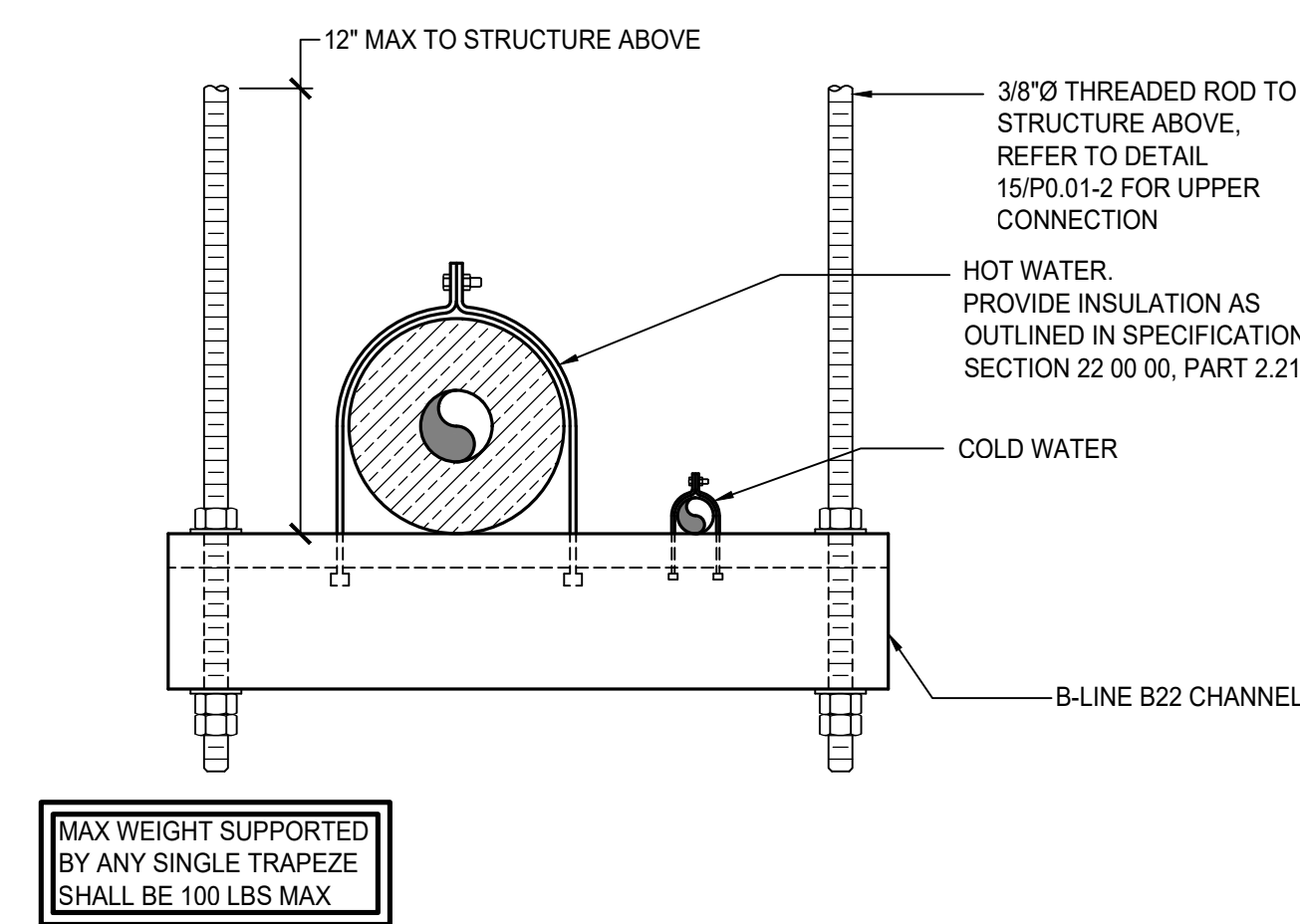
15 TANK TYPE WH RESTRAINT  
NTS



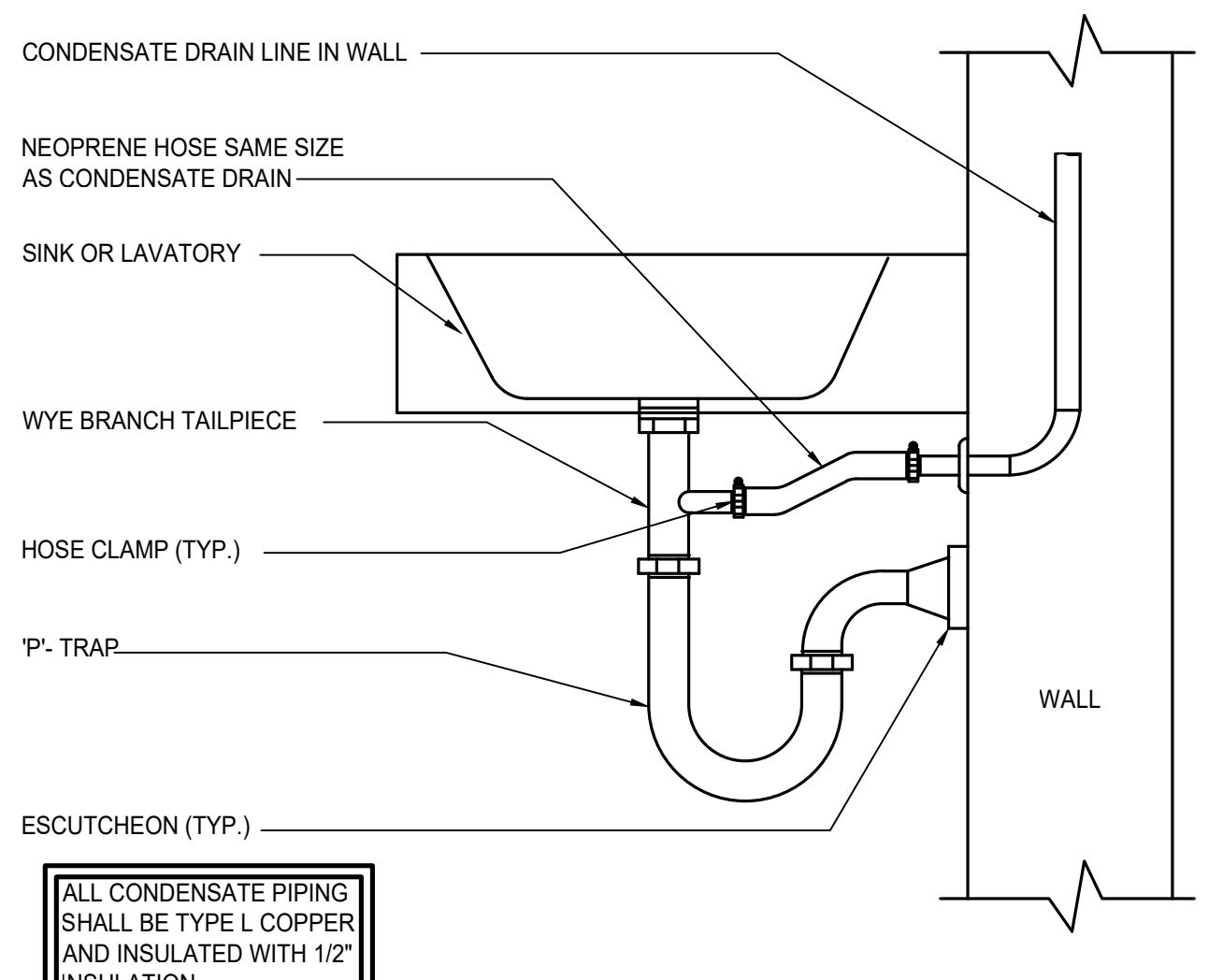
6 HIGH-WALL FANCOIL CONDENSATE DRAIN  
NTS



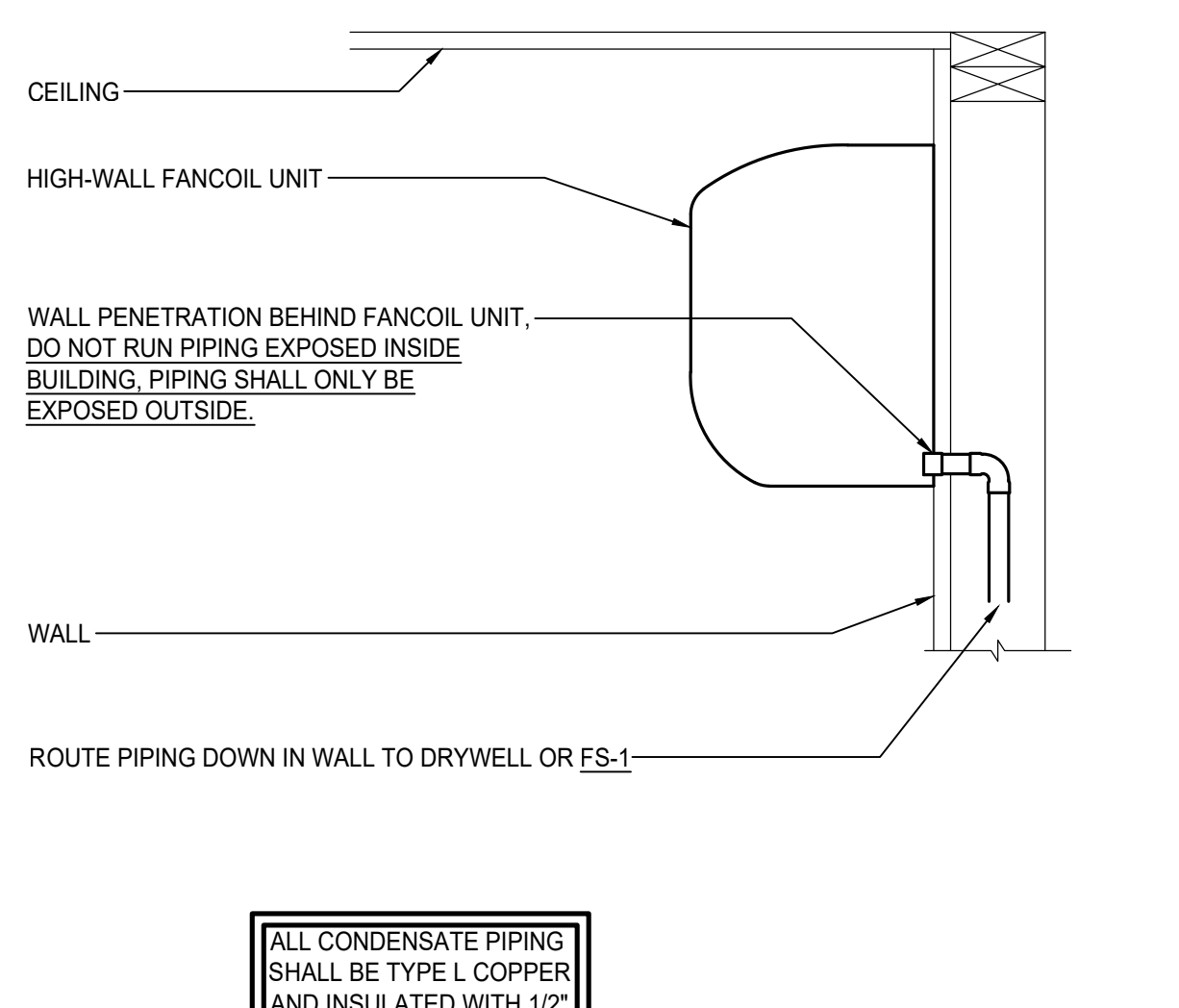
2 WALL CLEANOUT  
NTS



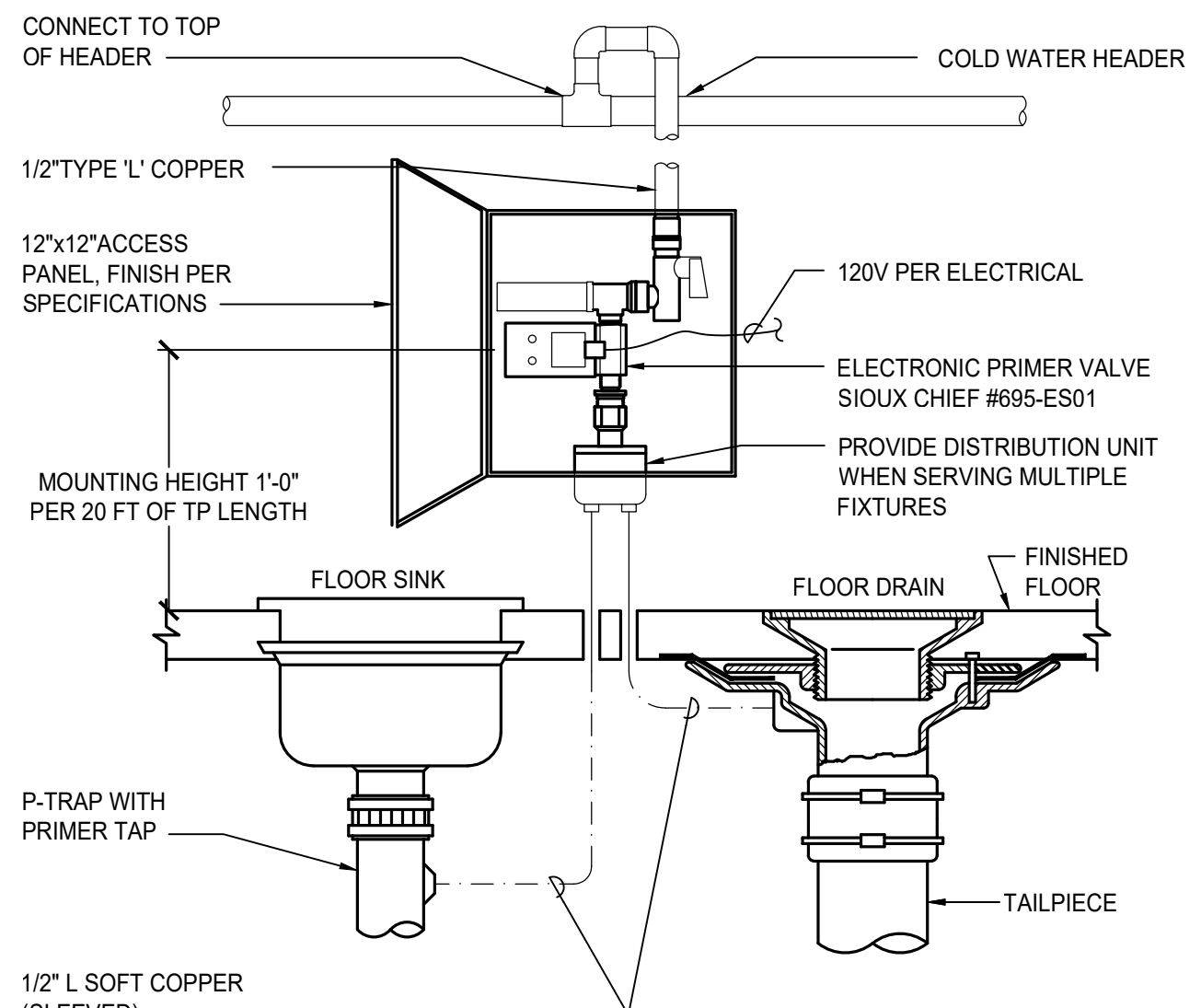
14 PIPE SUPPORT  
NTS



10 CONDENSATE TO TAIL PIECE DETAIL  
NTS



7 HIGH-WALL FANCOIL CONDENSATE DRAIN  
NTS



3 TRAP PRIMER  
NTS

COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357  
APPROVED  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bridget Rogers* DATE: 9-5-25  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION



ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
T: (805) 439-1611  
www.andrewgoodwin.us



REVISIONS  
REV # | REV DATE | REV DESCRIPTION



PROJECT  
TRANQUILITY HIGH SCHOOL  
AQUATIC CENTER  
MODERNIZATION  
6052 Juanche Ave,  
Tranquility, CA 93668

CLIENT  
GOLDEN PLAINS  
UNIFIED SCHOOL  
DISTRICT

SHEET TITLE  
BUILDING Q - DETAILS

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH  
DEPT. APPROVAL

DATE: 9/5/2025

TECHNICIAN: DS

PROJECT MANAGER: BS

JOB NUMBER: 791

SHEET NUMBER

P0.01-2

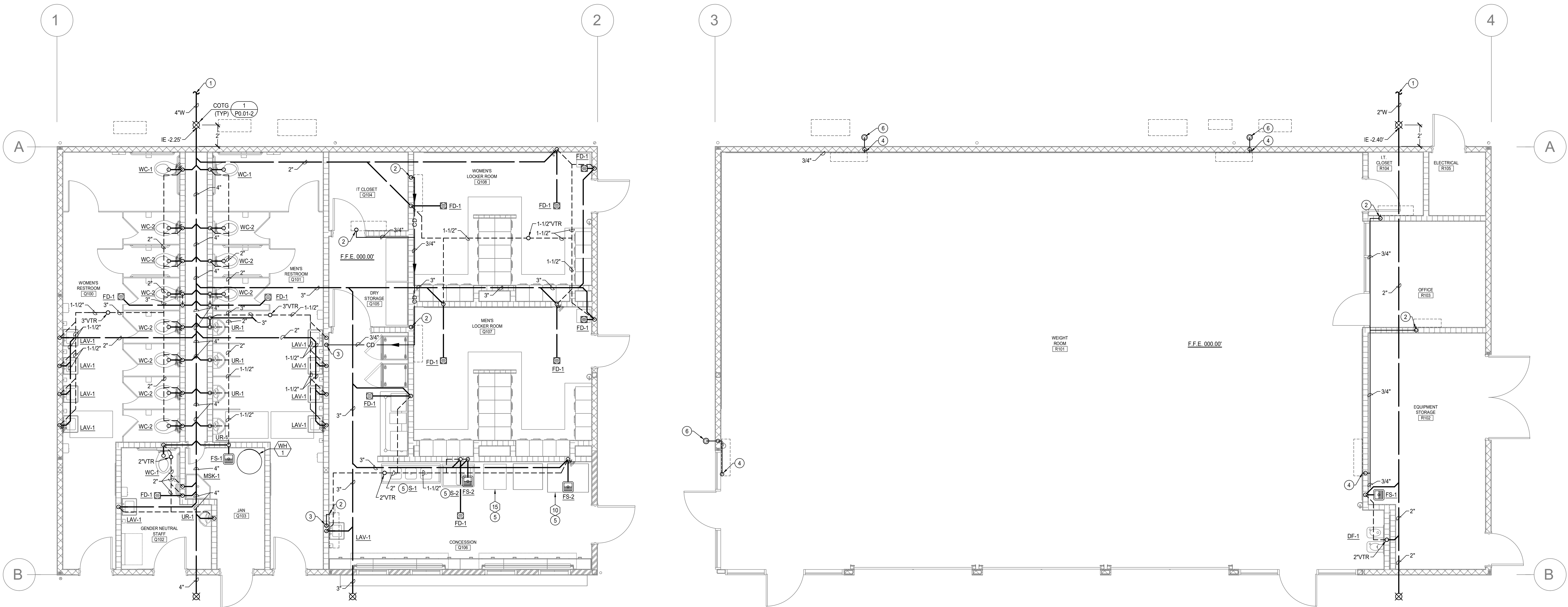
PLOT DATE: 9/3/2025 9:17:56 AM



COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3rd Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bridget Ryan* DATE: **9-5-25**  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY  
APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT  
PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR  
OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION

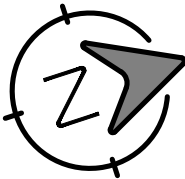
KITCHEN EQUIPMENT NOTES	
APPLICABLE TO WASTE & VENT PLAN ONLY	
NUMBERS CORRESPOND WITH KITCHEN EQUIPMENT PLANS. SEE KITCHEN EQUIPMENT PLANS FOR SPECIFICATION AND ADDITIONAL INFORMATION.	
10	DRAIN HOT WELL INDIRECT TO FLOOR SINK. PROVIDE WITH CODE COMPLIANT AIR GAP PER "PLUMBING GENERAL NOTES" #10.
15	DRAIN ICE MAKER INDIRECT TO FLOOR SINK. PROVIDE WITH CODE COMPLIANT AIR GAP PER "PLUMBING GENERAL NOTES" #10.

KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	REFER TO CIVIL PLANS FOR CONTINUATION OF PIPING.
2	3/4" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT. SEE DETAIL 6/P0.01-2 FOR MORE INFORMATION.
3	3/4" CONDENSATE DOWN IN WALL. TERMINATE TO FIXTURE TAILPIECE. SEE DETAIL 10/P0.01-2 FOR MORE INFORMATION.
4	3/4" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT. SEE DETAIL 7/P0.01-2 FOR MORE INFORMATION.
5	FIXTURE SHALL BE INDEPENDENTLY HARD PIPED TO FLOOR SINKS. PROVIDE AIR GAP AS REQUIRED BY THE HEALTH DEPARTMENT. AIR GAPS SHALL BE EQUAL TO AT LEAST TWICE THE DIAMETER OF THE PIPE OR 1", WHICHEVER DISTANCE IS GREATER. ALL PIPING EXPOSED ON THE WALL SHALL BE SECURED TO WALL AND BE A MINIMUM OF 1" OFF THE WALL WITH STRUT CHANNEL OR SIMILAR SUPPORT.
6	3/4" CONDENSATE DRAIN TO DRYWELL. SEE DETAIL 5/P0.01-2.
PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
2	PROVIDE ANGLE STOPS FOR ALL PLUMBING FIXTURE BRANCH PIPING LINES.
3	SLOPE SANITARY WASTE PIPING MIN 2% IN DIRECTION OF FLOW UNLESS OTHERWISE NOTED.
4	SLOPE VENT PIPING UP TOWARDS VTR MIN 1%.
5	ALL ROOMS WITH FLOOR DRAINAGE MUST HAVE FLOORS SLOPED TOWARD DRAIN. SEE ARCHITECTURAL PLANS FOR REQUIRED SLOPE.
6	PROVIDE CLEANOUTS IN ALL LOCATIONS SHOWN. COORDINATE ALL WALL CLEANOUTS WITH PLUMBING FIXTURES, CASEWORK, AND ARCHITECTURAL ELEVATIONS. SEE DETAIL 2/P0.01-2 FOR SIZING AND CLEARANCES REQUIRED.
7	REFER TO ARCHITECTURAL PLANS FOR THE LOCATION OF ALL FIXTURES, INCLUDING BUT NOT LIMITED TO FLOOR SINKS, FLOOR DRAINS, TRENCH DRAINS AND ROOF DRAINS. THE ARCHITECTURAL PLANS SHALL TAKE PRECEDENCE.
8	REFER TO MECHANICAL PLANS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT IN AVAILABLE SPACE.
9	COORDINATE PIPE ROUTING WITH LOCATION OF ELECTRICAL PANELS AND DATA EQUIPMENT. PIPING SHALL NOT BE ROUTED ABOVE THESE ITEMS.
10	ALL CONCESSION EQUIPMENT DRAINS SHALL BE HARD PIPED TO FLOOR SINKS. PROVIDE AIR GAP AS REQUIRED BY THE HEALTH DEPARTMENT. AIR GAPS SHALL BE EQUAL TO AT LEAST TWICE THE DIAMETER OF THE PIPE OR 1", WHICHEVER DISTANCE IS GREATER. ALL PIPING EXPOSED ON THE WALL SHALL BE SECURED TO WALL AND BE A MINIMUM OF 1" OFF THE WALL WITH STRUT CHANNEL OR SIMILAR SUPPORT.



BUILDING Q - WASTE & VENT FLOOR PLAN

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



COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3rd Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bridget Ryan* DATE: **9-5-25**  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY  
APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT  
PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR  
OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION



ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us



**REVISIONS**  
REV # | REV DATE | REV DESCRIPTION



**PROJECT**  
TRANQUILLITY HIGH SCHOOL  
AQUATIC CENTER  
MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

**CLIENT**  
GOLDEN PLAINS  
UNIFIED SCHOOL  
DISTRICT

**SHEET TITLE**  
BUILDING Q - WASTE &  
VENT FLOOR PLAN

**PHASE DESCRIPTION**  
100% CD FRESNO CO. HEALTH  
DEPT. APPROVAL

**DATE:** 9/5/2025

**TECHNICIAN:** DS

**PROJECT MANAGER:** BS

**JOB NUMBER:** 791

**SHEET NUMBER**

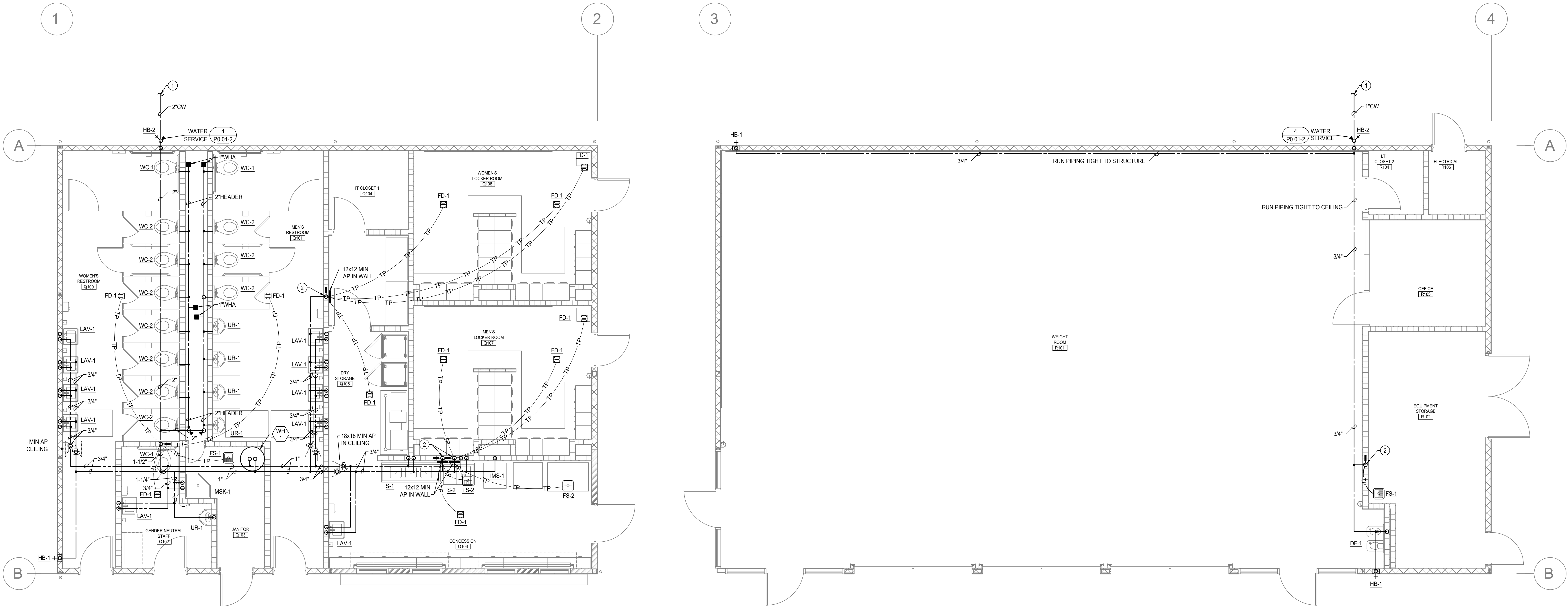
P1.05-2

PLOT DATE: 9/3/2025 9:17:58 AM



KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
①	REFER TO CIVIL PLANS FOR CONTINUATION OF PIPING.
②	ROUTE CW PIPE DOWN IN WALL AND CONNECT TO ELECTRIC TRAP PRIMER. LOCATE ACCESS PANEL ON SIDE SHOW, MIN 60" ABOVE FFE. SEE DETAIL 3/PD.01-2 FOR MORE INFORMATION.
PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
2	PROVIDE ANGLE STOPS FOR ALL PLUMBING FIXTURE BRANCH PIPING LINES.
3	REFER TO ARCHITECTURAL PLANS FOR THE LOCATION OF ALL FIXTURES, INCLUDING BUT NOT LIMITED TO FLOOR SINKS, FLOOR DRAINS, TRENCH DRAINS AND ROOF DRAINS. THE ARCHITECTURAL PLANS SHALL TAKE PRECEDENCE.
4	REFER TO MECHANICAL PLANS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT IN AVAILABLE SPACE.
5	COORDINATE PIPE ROUTING WITH LOCATION OF ELECTRICAL PANELS AND DATA EQUIPMENT. PIPING SHALL NOT BE ROUTED ABOVE THESE ITEMS.

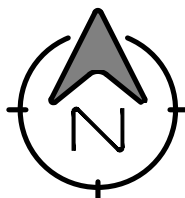
COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bridget Ryan* DATE: **9-5-25**  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION



COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3<sup>rd</sup> Floor (559) 600-3357  
**APPROVED**  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS  
BY: *Bridget Ryan* DATE: **9-5-25**  
APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION

BUILDING Q - HOT AND COLD WATER FLOOR PLAN

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



ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us



**REVISIONS**  
REV # | REV DATE | REV DESCRIPTION



**PROJECT**  
TRANQUILLITY HIGH SCHOOL  
AQUATIC CENTER  
MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

**CLIENT**  
GOLDEN PLAINS  
UNIFIED SCHOOL  
DISTRICT

**SHEET TITLE**  
BUILDING Q - HOT AND  
COLD WATER FLOOR PLAN

**PHASE DESCRIPTION**  
100% CD FRESNO CO. HEALTH  
DEPT. APPROVAL

**DATE:** 9/5/2025

**TECHNICIAN:** DS

**PROJECT MANAGER:** BS

**JOB NUMBER:** 791

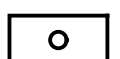

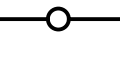


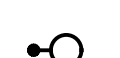



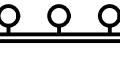







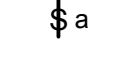
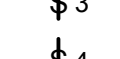
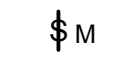







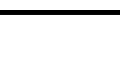

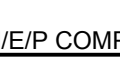

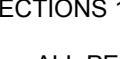
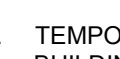
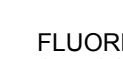

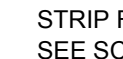


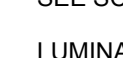




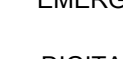
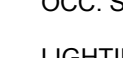
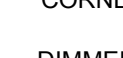




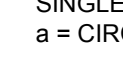
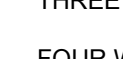

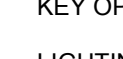

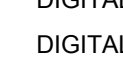



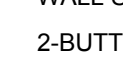
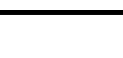

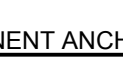
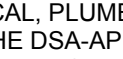
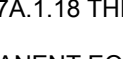
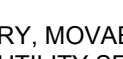

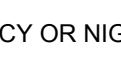
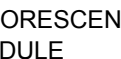



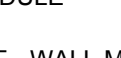

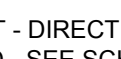

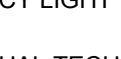

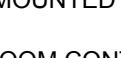

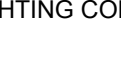
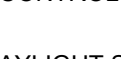
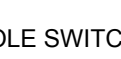
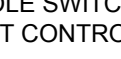
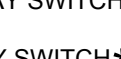
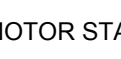
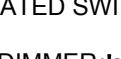

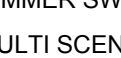



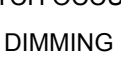
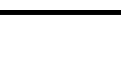

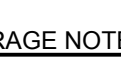
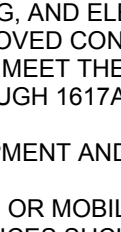

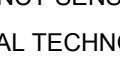


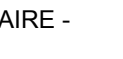










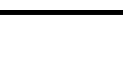
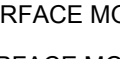
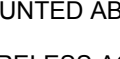
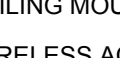
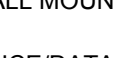


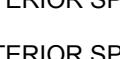
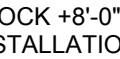
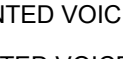
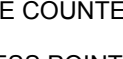

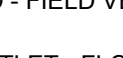

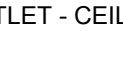
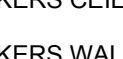
**SHEET NUMBER**

P1.06-2

PLOT DATE: 9/3/2025 9:17:59 AM



GENERAL CONSTRUCTION NOTES	
1.	CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
2.	THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.
3.	CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN INFORMATION AND BE FAMILIAR WITH ALL OTHER TRADES WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT.
4.	CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY AND PERSONAL PROPERTY DAMAGE. TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
5.	CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.
6.	ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
7.	CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.
8.	CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK.
9.	CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECT'S PAINTING SECTION FOR REQUIREMENTS.
10.	ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS.
11.	ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12s WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
12.	ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRED CIRCUITS IS NOT ALLOWED.
13.	ALL 120/277V LIGHT SWITCHES AND WALL OCCUPANT SENSORS SHALL HAVE A NEUTRAL INSTALLED TO THE DEVICE BOX EXCEPT WHERE A CONDUIT OR SURFACE RACEWAY SYSTEM IS INSTALLED.
14.	COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
15.	SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF LIGHTING FIXTURES AND DEVICES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CEILING TYPES FROM ARCHITECTURAL DOCUMENTS AND PROVIDE AND INSTALL ALL REQUIRED FIXTURE MOUNTING HARDWARE. PROVIDE AND INSTALL U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.
16.	FROM ALL NEW FLUSH MOUNT PANELS: THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE.
17.	CONTRACTOR SHALL, PRIOR TO BID, FIELD VERIFY ALL REQUIREMENTS FOR MODIFYING THE EXISTING CLOCK, DATA, AND INTERCOM SYSTEMS TO ACCOMMODATE ADDITIONS NOTED. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS NEEDED TO MAKE A FULLY OPERATIONAL SYSTEM AT THE CONCLUSION OF PROJECT WORK.
18.	CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION.
19.	ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. CUT AND PATCH EXISTING WALLS WHERE NECESSARY. WHERE IT IS NECESSARY TO CUT OR BORE EXISTING STRUCTURAL WALLS FOR NEW ELECTRICAL WORK OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO STARTING WORK. REUSE EXISTING CONDUIT WHERE POSSIBLE.
20.	WHERE IT IS NOT POSSIBLE TO REUSE EXISTING CONDUIT OR RUN NEW CONCEALED CONDUIT USE NON-METALLIC SURFACE RACEWAY AND BOXES. ROUTING OF ALL NON-METALLIC RACEWAYS SHALL BE APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
21.	EXTENSION RINGS OR RESET BOXES TO BE FLUSH WITH NEW WALL THICKNESS.
22.	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING UNDERGROUND SYSTEMS (GAS, WATER, TELEPHONE, ELECTRICAL, SEWER, ETC.). THE CONTRACTOR SHALL REPAIR & PAY ALL EXPENSES FOR DAMAGE TO EXISTING UNDERGROUND SYSTEMS AS A RESULT OF NEW WORK. REPAIR TO DAMAGED UNDERGROUND SYSTEMS SHALL BE TO THE OWNERS SATISFACTION WITHOUT EXTRA EXPENSE TO THE OWNER.
23.	EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.
24.	WHERE NON-METALLIC SHEATHED CONDUCTORS ARE FOUND, THE CONTRACTOR SHALL REMOVE TO FULLEST EXTENT PER THE GENERAL DEMOLITION NOTES AND REPLACE WITH CONDUIT. METAL CLAD CABLE WILL BE PERMITTED ON A CASE-BY-CASE BASIS ONLY BY WRITTEN APPROVAL FROM THE ARCHITECT.
25.	ALL INSTALLATION OF EXPOSED SURFACE MOUNTED RACEWAY IN PUBLIC AREAS SHALL BE REVIEWED BY [ARCHITECT][ELECTRICAL ENGINEER] BEFORE ROUGH-IN. CONTRACTOR IS TO DETERMINE THE ACCESSIBILITY OF ATTIC, FURRED SPACE, HOLLOW MULLIONS, ETC. IN EACH AREA AND REVIEW WITH [ARCHITECT][ELECTRICAL ENGINEER]. IF SYSTEM CAN BE ROUTED CONCEALED EITHER BY FISHING OR ACCESSIBILITY, CONTRACTOR IS TO DO SO. IF INACCESSIBILITY IS DETERMINED, CONTRACTOR SHALL INSTALL SURFACE MOUNTED RACEWAY IN THE MOST AESTHETICALLY PLEASING MEANS AS DETERMINED BY THE [ARCHITECT][ELECTRICAL ENGINEER]. NO ALLOWANCE FOR ADDITIONAL COMPENSATION DUE TO ROUTING AS DIRECTED BY THE [ARCHITECT][ELECTRICAL ENGINEER] WILL BE MADE.

ELECTRICAL SYMBOLS & ABBREVIATIONS	
SYMBOLS & ABBREVIATIONS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS.	
	FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE
	EMERGENCY OR NIGHT LIGHT
	STRIP FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE
	LUMINAIRE - RECESSED - SEE SCHEDULE
	LUMINAIRE - SURFACE MOUNTED - SEE SCHEDULE
	LUMINAIRE - POLE OR POST MOUNTED - SEE SCHEDULE
	LUMINAIRE - WALL MOUNTED SEE SCHEDULE
	BOLLARD OR PATH LIGHT - SEE SCHEDULE
	EXIT LIGHT - DIRECTIONAL ARROWS AS INDICATED - SEE SCHEDULE
	TRACK LIGHTING - SEE SCHEDULE
	EMERGENCY LIGHT
	DIGITAL DUAL TECHNOLOGY OCC SENSOR
	LIGHTING CONTROL OCCUPANCY SENSOR CORNER MOUNTED
	DIMMER ROOM CONTROLLER
	PLUG LOAD CONTROLLER
	ROOM LIGHTING CONTROLLER
	LIGHTING CONTROL PANEL
	DIGITAL DAYLIGHT SENSOR
	SINGLE POLE SWITCH **
	SINGLE POLE SWITCH ** a = CIRCUIT CONTROLLED
	THREE WAY SWITCH **
	FOUR WAY SWITCH **
	MANUAL MOTOR STARTER
	KEY OPERATED SWITCH **
	LIGHTING DIMMER **
	DIGITAL ON/OFF SWITCH **
	DIGITAL DIMMER SWITCH **
	DIGITAL MULTI SCENE LIGHTING SWITCH **
	DIGITAL DUAL TECHNOLOGY WALL OCC SENSOR **
	WALL OCCUPANCY SENSOR **
	DOUBLE SWITCHED WALL OCCUPANCY SENSOR **
	DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **
	2-BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **
	SECURITY DOOR CONTACTS
	SECURITY MOTION DETECTOR
	CCTV CAMERA
	SECURITY SYSTEM KEYPAD
	DOOR BELL PUSHBUTTON
	DOOR CHIME WITH LED
	RECEPTACLE - DUPLEX *
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
	GFCI CONVENIENCE RECEPTACLE - DUPLEX *
	GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
	RECEPTACLE - DOUBLE DUPLEX *
	HALF SWITCHED DUPLEX RECEPTACLE *
	SINGLE RECEPTACLE *
	DUPLEX RECEPTACLE - CEILING MOUNTED
	LETTER INDICATES DUPLEX HALF CONTROLLED RECEPTACLE *
	LETTER INDICATES DUPLEX FULLY CONTROLLED RECEPTACLE *
	FLOOR MOUNTED DUPLEX RECEPTACLE
	FLOOR MOUNTED BOX
	POWER OUTLET - SEE PLANS FOR NEMA TYPE *
	POWER POLE
	WALL TELEPHONE OUTLET **
	VOICE/DATA WALL OUTLET *
	VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
	SURFACE MOUNTED VOICE/DATA WALL OUTLET *
	SURFACE MOUNTED VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT
	WIRELESS ACCESS POINT (WAP) - CEILING MOUNTED
	WIRELESS ACCESS POINT (WAP) - WALL MOUNTED - FIELD VERIFY HEIGHT
	VOICE/DATA OUTLET - FLOOR MOUNTED
	TV OUTLET *
	VOICE/DATA OUTLET - CEILING MOUNTED
	INTERIOR SPEAKERS CEILING MOUNTED
	INTERIOR SPEAKERS WALL MOUNTED
	CLOCK +6-0 AFF U.O.N. VERIFY BEFORE INSTALLATION
	PANELBOARD - FLUSH MOUNTED
	EQUIPMENT PANEL - FLUSH MOUNTED
	PANELBOARD - SURFACE MOUNTED
	EQUIPMENT PANEL - SURFACE MOUNTED
	METER W/ CURRENT TRANSFORMER
	JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CODE, TAPE AND TAG WIRES
	MOTOR CONNECTION
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH- FUSED WITH DUAL-ELEMENT FUSES SIZED PER EQUIPMENT NFPA'S NAMEPLATE DATA
	COMBINATION STARTER/FUSED DISCONNECT SWITCH- FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED PER EQUIPMENT NFPA'S NAMEPLATE DATA
	MAGNETIC STARTER - NEMA SIZE INDICATED, NEMA 3R ENCLOSURE UNLESS OTHERWISE SPECIFIED
	CIRCUIT BREAKER
	GROUND ROD WITH GROUNDWELL BOX
	GROUND ELECTRODE
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	TRANSFORMER - SEE SINGLE LINE FOR SIZE
	PULLBOX
	ERMS
	FLEX CONDUIT WITH CONNECTION
	CONDUIT - UP
	CONDUIT - DOWN
	CONDUIT EMERGENCY SYSTEM
	LOW VOLTAGE WIRING
	SURFACE METAL OR NON-METALLIC RACEWAY
	CONDUIT - CONCEALED IN WALLS OR CEILING
	CONDUIT - EXISTING
	CONDUIT - BELOW SLAB OR UNDERGROUND: 3/4" MIN.
	CAPPED OR STUB-OUT CONDUIT
	CONDUIT CONTINUATION
	CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSS HATCHES WITH NUMBER ADJACENT INDICATES WIRE SIZE OTHER THAN #12 AWG.
	SHEET NOTE REFERENCE SYMBOL: SEE ASSOCIATED NOTE ON SAME SHEET
	SCHEDULE SYMBOL: SEE ASSOCIATED NOTE ON SAME SHEET
	DETAIL NOTE REFERENCE SYMBOL: SEE ASSOCIATED NOTE ON SAME DETAIL
	DETAIL OR SECTION REFERENCE SHEET NUMBER
	FEEDER DESIGNATION: SEE ASSOCIATED NOTE ON SAME DETAIL
	INDICATES QUANTITY OF TELEPHONE OUTLETS
	INDICATES QUANTITY OF DATA OUTLETS
ABBREVIATIONS	
A	AMPERE
AF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ARCH	ARCHITECT
AWG	AMERICAN WIRE
BKR	BREAKER
C	CONDUIT
CATV	CABLE TV
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TV
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CO	CONDUIT ONLY
CTR	CENTER
D	DIMMER
DIM	DIMENSION
DIST	DISTRIBUTION
EC	ELECTRICAL CONTRACTOR
EL	EVENING LIGHT
EM	EMERGENCY
EMT	ELECTRICAL TUBING
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH
EQUIP	EQUIPMENT
EV	ELECTRICAL VEHICLE
FACP	FIRE ALARM CONTROL PANEL
FC	FOOT CANDLE
FIN	FINISH
FL	FLOOR
FLA	FULL LOAD AMPS
FLUR	FLOOR FUTURE
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT INTERRUPTING
GFI	GROUND
GND, GRS	GALVANIZED RIGID STEEL
HT	HEIGHT
IC	INTERCOM
IDF	INTERMEDIATE DISTRIBUTION FRAME
INCAND	INCANDESCENT
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LCP	LIGHTING CONTROL PANEL
LTG	LIGHTING
LV	LOW VOLTAGE
KCM	THOUSAND CIRCULAR MILS
M.B.	MAIN CIRCUIT BREAKER
MCA	MINIMUM CIRCUIT AMPS
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MH	METAL HALIDE
MLO	MAIN LUGS ONLY
MPCE	MAIN POINT OF ENTRANCE
MTD	MOUNTED
MTG	MOUNTING
MOC	MAXIMUM OVER CURRENT PROTECTION
(N)	NEW
NIC	NOT IN CONTRACT
NEC	NOT IN ELECTRICAL
(NL)	NIGHT LIGHT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA#	OVERALL HEIGHT
OC	ON CENTER
OH	OVERHEAD
OF#	OWNER FURNISHED
PA	PUBLIC ADDRESS
PB	PULL BOX
PF	POWER FACTOR
PH	PHASE
PIR	PASSIVE INFRARED
PNL	CHLORIDE POWER
PV	PHOTOVOLTAGE
PVC	POLYVINYL CHLORIDE
PWR	POWER
(R)	RELOCATE
(RP)	REMOVABLE POLE
RECP	RECEPTACLE
REOD	REQUIRED
REQMTS	REQUIREMENT(S)
SHT	SHEET
SLD	SINGLE LINE DIAGRAM
STC	SYSTEMS TERMINATION CABINET
SW	SWITCH
SWBD	SWITCHBOARD
TTB	TELEPHONE TERMINAL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UG	UNDERGROUND
V	VOLT
VD	VOLTAGE DROP
W	WATT
W/	WITH
WPR	WEATHERPROOF
XFMR	TRANSFORMER
FIRE ALARM	
NOTE: SEE FIRE ALARM DRAWINGS FOR QUANTITIES AND MOUNTING HEIGHTS.	
	MANUAL PULL STATION
	STROBE ONLY
	SPEAKER ONLY
	MINI SPEAKER
	SPEAKER/STROBE
	CHIME/STROBE
	HEAT DETECTOR
	SMOKE DETECTOR
	CARBON MONOXIDE ALARM
	DUCT SMOKE DETECTOR
	TAMPER SWITCH
	FLOW SWITCH
	POST INDICATING VALVE
	FIRE SMOKE DAMPER
	BELL (GONG)
	FIRE ALARM CONTROL PANEL
	DOOR HOLDER
	AUXILIARY POWER SUPPLY
	FIRE SYSTEM ANNUNCIATOR
	FIRE ALARM TRANSPONDER OR TRANSMITTER
	ELEVATOR STATUS/RECALL
	FIRE ALARM COMMUNICATOR
	REMOTE ANNUNCIATORS
	END OF LINE
* +15" A.F.F. MIN. TO BOTTOM OF BOX, U.O.N. ** +48" A.F.F. MAX. TO TOP OF BOX, U.O.N. [#] NUMBER IN BRACKETS DENOTES NUMBER OF CABLE DROPS WHEN MORE THAN (2).	

EQUIPMENT ANCHORAGE	
<u>ME/P COMPONENT ANCHORAGE NOTES:</u>	
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 BE DETAILED IN THE PLANS. 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 WEIGHTING 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 WEIGHTING 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 OF 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.	
<u>MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK, AND ELECTRICAL CONDUIT</u>	
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 SECTION 13.6.5, 13.6.6, 13.6.7, 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 OSHPOD OPM, WITHIN PROJECT SUBMITTAL. MP □ MD □ PP □ E □ - OPTION 3: DESIGN BASED ON OSHPOD OPM, DEFERRED SUBMITTAL.	

APPLICABLE CODES & STANDARDS	
<u>CODES:</u>	
1.	2025 CALIFORNIA ADMINISTRATIVE CODE C.A.C., PART 1, TITLE 24, C.C.R.
2.	2022 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, VOL. 1 &



STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: Tranquility HS Aquatic Center Modernization Increment #2

Report Page: (Page 1 of 9)

Date Prepared: 2025-05-20T19:47:14-04:00

Project Address:

2025-05-20T19:47:14-04:00

A. GENERAL INFORMATION						
01	Project Location (city)		Tranquility	04	Total Conditioned Floor Area (ft <sup>2</sup> )	4,504
02	Climate Zone		13	05	Total Unconditioned Floor Area (ft <sup>2</sup> )	0
03	Occupancy Types Within Project (select all that apply):			06	# of Stories (Habitable Above Grade)	0
● School or 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 (ft <sup>2</sup> )	Calculation Method	Area (ft <sup>2</sup> )
<input checked="" type="checkbox"/> New Lighting System	Area Category Method	4504	N/A	0
<input type="checkbox"/> New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft <sup>2</sup> )	4504			

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 297933-0525-0002

Schema Version: rev 20220101

Report Generated: 2025-05-20 16:47:17

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: Tranquility HS Aquatic Center Modernization Increment #2

Report Page: (Page 4 of 9)

Date Prepared: 2025-05-20T19:47:14-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)									
This table includes lighting controls for conditioned and unconditioned spaces.									
Building Level Controls									
01		02						03	
Mandatory Demand Response 110.12(c)		Shut-off controls 130.1(c) / 160.5(b)4C						Field Inspector	
NA < 4,000W subject to multilevel		See Area/Space Level Controls						Pass	Fail
								<input type="checkbox"/>	<input type="checkbox"/>
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) / 170.2(e)2A	Pass	Fail
Women's Restroom	Restroom	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
Men's restroom	Restroom	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
Gender neutral restroom	Restroom	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
Janitor	Storage - MF common areas	Readily Accessible	NA: Enclosed area <100SF	Partial Off 130.1(c) / 160.5(b)4C	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
I.T. closet	Electrical Mechanical Telephone Room	Readily Accessible	NA: Enclosed area <100SF	Partial On 130.1(c) / 160.5(b)4C	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
Dry Storage	Storage - MF common areas	Readily Accessible	NA: Enclosed area <100SF	Partial Off 130.1(c) / 160.5(b)4C	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
Concession	Classroom, Lecture, or Training Vocational	Readily Accessible	Dimmer	Partial On 130.1(c) / 160.5(b)4C	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
Womens Locker	Locker/Dressing Room	Readily Accessible	Dimmer	Partial On 130.1(c) / 160.5(b)4C	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>



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)(2) 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: Tranquility HS Aquatic Center Modernization Increment #2

Report Page: (Page 1 of 7)

Project Address: 6052 JUANCHE AVE., TRANQUILITY, CA 936689

Date Prepared: 2025-05-20T19:55:19-04:00

A. GENERAL INFORMATION

01 Project Location (city) Tranquility

02 Climate Zone 13

04 Total Illuminated Hardscape Area (ft²) 5369

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

☒ School or 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)(2) / 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 Altered¹

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.

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 297933-0525-0003

Schema Version: rev 20220101

Report Generated: 2025-05-20 16:55:21

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Tranquility HS Aquatic Center Modernization Increment #2

Report Page: (Page 4 of 7)

Date Prepared: 2025-05-20T19:55:19-04:00

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

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

General Hardscape: "XB"

Astronomical Timer

Provided

NA: Each Luminaire <= 40 Watts

☐

☐

General Hardscape: "XBE"

Astronomical Timer

Provided

NA: Each Luminaire <= 40 Watts

☐

☐

General Hardscape: "XC"

Astronomical Timer

Provided

NA: Each Luminaire <= 40 Watts

☐

☐

General Hardscape: "XCE"

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.

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 297933-0525-0003

Schema Version: rev 20220101

Report Generated: 2025-05-20 16:55:21

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Tranquility HS Aquatic Center Modernization Increment #2

Report Page: (Page 7 of 7)

Project Address: 6052 JUANCHE AVE., TRANQUILITY, CA 936689

Date Prepared: 2025-05-20T19:55:19-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Najib Anwary

Documentation Author Signature: [Signature]

Company: Aurum Consulting Engineers, San Jose

Signature Date: 08/27/25

Address: 1798 Technology Drive Suite 242

CEA/HERS Certification Identification (if applicable):

City/State/Zip: San Jose, CA 95110

Phone: (408) 564-7925

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- 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)
- 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.
- 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.
- 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:

Responsible Designer Signature: [Signature]

Company:

Date Signed: 08/27/25

Address: 1798 Technology Drive Suite 242

License: E21043 Exp: 03/31/27

City/State/Zip: San Jose, CA 95110

Phone: (408) 564-7925

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 297933-0525-0003

Schema Version: rev 20220101

Report Generated: 2025-05-20 16:55:21

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Tranquility HS Aquatic Center Modernization Increment #2

Report Page: (Page 2 of 7)

Date Prepared: 2025-05-20T19:55:19-04:00

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)(2) / 180.2(b)(4Bv)

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) / 170.2(e)(6) (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)(2) / 180.2(b)(4Bv) (See Table N)

=

Total Allowed (Watts)

≥

Total Actual (Watts)

07 must be >= 08

432.37

+

----

+

----

+

----

+

----

OR

----

=

432.37

≥

407

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.

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-A while "Use it or lose it" Allowances are per Table 140.7-B/Table 170.2-B. 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

☒ General Hardscape Allowance Table I (below)

☐ Per Application Table J

☐ Sales Frontage Table K

☐ Ornamental Table L

☐ Per Specific Area Table M

Use it or lose it" Allowance (select all that apply) (select all that apply)

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)

Illuminated Area (ft²)

Allowed Density (W/ft²)

Area Allowance (Watts)

Perimeter Length (lf)

Allowed Density (W/lf)

Linear Allowance (Watts)

Total General AWA + LWA (Watts)

General Hardscape

5370

0.021

112.77

348

0.2

69.6

182.37

Initial Wattage Allowance for Entire Site (Watts): 250

Instances of Initial Wattage Allowance (LZ 0 only)¹

Total General Hardscape Allowance (Watts): 432.37

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.

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 297933-0525-0003

Schema Version: rev 20220101

Report Generated: 2025-05-20 16:55:21

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Tranquility HS Aquatic Center Modernization Increment #2

Report Page: (Page 3 of 7)

Date Prepared: 2025-05-20T19:55:19-04:00

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)(2) 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 luminaire¹,²

How is Wattage determined

Total Number Luminaires³

Luminaire Status⁴

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

XB

17" x 10" x 6" LED wall sconce

☐ Linear

22

Mfr. Spec

7

New

☐

154

NA: < 6200 lumens

☐

☐

XBE

17" x 10" x 6" LED wall sconce W/ EM

☐ Linear

22

Mfr. Spec

4

New

☐

88

NA: < 6200 lumens

☐

☐

XC

16" SQ. x 6" deep surface mounted fixture

☐ Linear

15

Mfr. Spec

5

New

☐

75

NA: < 6200 lumens

☐

☐

XCE

16" SQ. x 6" deep surface mounted fixture W/ EM

☐ Linear

15

Mfr. Spec

6

New

☐

90

NA: < 6200 lumens

☐

☐

Total Design Watts:

407

\* NOTES: Selections with a \* require a note in the space below explaining how compliance is achieved.  
¹ Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)  
² FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.8(c) / 160.5(b)  
³ 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.  
⁴ 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.  
⁵ Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b) / 160.5(c)

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 297933-0525-0003

Schema Version: rev 20220101

Report Generated: 2025-05-20 16:55:21

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Tranquility HS Aquatic Center Modernization Increment #2

Report Page: (Page 6 of 7)

Date Prepared: 2025-05-20T19:55:19-04:00

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 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-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.

General Hardscape: "XB"; General Hardscape: "XBE"; General Hardscape: "XC"; General Hardscape: "XCE"

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 297933-0525-0003

Schema Version: rev 20220101

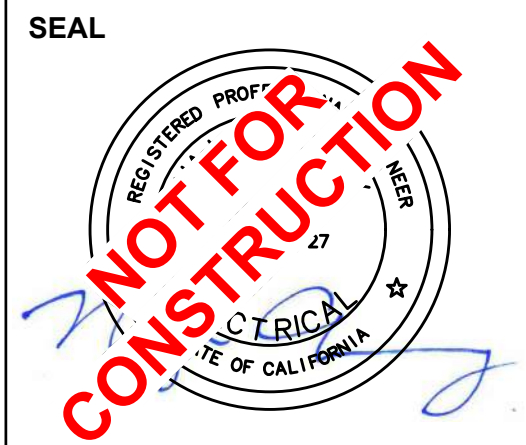
Report Generated: 2025-05-20 16:55:21



These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright © 2023

REVISIONS

REV # | REV DATE | REV DESCRIPTION



PROJECT

TRANQUILITY HIGH SCHOOL

AQUATIC CENTER MODERNIZATION

6052 Juanche Ave,

Tranquility, CA 93668

CLIENT

GOLDEN PLAINS UNIFIED SCHOOL DISTRICT

SHEET TITLE

CALIFORNIA ENERGY COMPLIANCE TITLE 24 - OUTDOOR

PHASE DESCRIPTION

100% CD FRESNO CO. HEALTH DEPT. APPROVAL

DATE:

9/5/2025

TECHNICIAN:

RT/JL

PROJECT MANAGER:

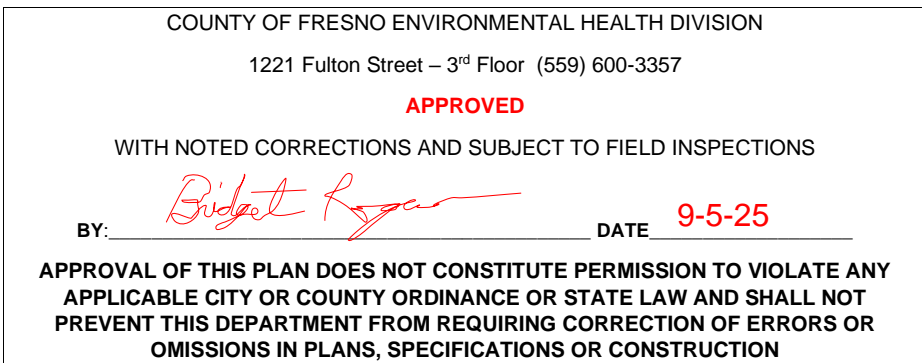
TP

JOB NUMBER:

791

SHEET NUMBER

E003-2





## PANELBOARD SCHEDULES

Voltage: 120/208V 3ø

Wire: 6W

100% WEMA 1

Mains: 225/2 M.B.

1

2

PANEL "C"

Busing

Feed

FLUSHY

A1C

225A

BOTTOM

Morning

15,000

Load	A	B	C	Rn	ck	als	CL	Rn	A	B	C	Load	
SPLIT SYSTEM HEAT PUMP - 2	1360			202	3	4	352		2563			HEAT PUMP CONDENSING UNIT - 2	
SPLIT SYSTEM HEAT PUMP - 2		1360			3	4				2563		HEAT PUMP CONDENSING UNIT - 2	
SPLIT SYSTEM HEAT PUMP - 3			1184		5						270	ELECTRIC HEATER - 1A	
SPLIT SYSTEM HEAT PUMP - 3	1184				202	7	6	152		230		ELECTRIC HEATER - 1A	
EXHAUST FAN - 3		52			151	9	10			230	230	ELECTRIC HEATER - 2A	
EXHAUST FAN - 5			52		151	11	12					ELECTRIC HEATER - 2A	
HOOT FOOD TABLE	2100				301	13	14		152	230		ELECTRIC HEATER - 1B	
HOLDING/PROOFING CABINET		2000			251	15	16		152	230	230	ELECTRIC HEATER - 1B	
UNDERCOUNTER ICE MACHINE			840		151	17	18				230	ELECTRIC HEATER - 2B	
SLOW COOKERS	1000				151	19	20			152	230	ELECTRIC HEATER - 2B	
REFRIGERATED BEVERAGE DISP.		960			151	21	22		152		230	ELECTRIC HEATER - 1C	
POPCORN MACHINE			1510	201	23	24					230	ELECTRIC HEATER - 1C	
BEVERAGE REFRIGERATOR	264				151	25	26			152	230	ELECTRIC HEATER - 2C	
FREEZER		444			151	27	28		152	230		ELECTRIC HEATER - 2C	
ELECTRIC WATER HEATER			1950	300	29	30					600	PANEL "C1"	
ELECTRIC WATER HEATER	1950				31	32		1003	1100			PANEL "C1"	
CONCESSIONS RECP.T		720			201	33	34				1100	PANEL "C1"	
MENS RESTRM./STORAGE RECP.T				360	201	35	36	201				360	OUTDOOR WP RECP.T
RESTRM. RECP.T	360				201	37	38		180			DEDICATED OF RECP.T	
SUPPLY FAN		14			201	39	40	201				SPARE	
SPARE					201	41	42					SPARE	
	8218	5550	5996		201	45			4763	4583	2120		

1

2

3

SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN.

LABEL PANEL FOR SHORT CIRCUIT AMPS AVAILABLE PER CEC 110-24.

PROVIDE & INSTALL LOCK ON DEVICE.

KVA Phase A

KVA Phase B

KVA Phase C

13.0

10.1

8.0

Total Connected Load KVA

Total Load Amperes

31

69

Voltage: 120/208V, 3ø											Bussing: 100A
Wire: 4W											Feed: BOTTOM
Type: NEMA 1											Mounting: FLUSH
Mains: M.L.O.											A.I.C: 10,000
<div><div></div><div>PANEL "C1"</div><div></div></div>											
_____											
	A	B	C	Br	ck	abc	ck	A	B	C	Load
HAND DRYER	96			20/1	1	2	20/1	272			WOMEN/MEN LOCKER L.TS.
HAND DRYER		96		20/1	3	4	20/1		238		CONCESSIONS/STOR CLOS. L.TS.
HAND DRYER			96	20/1	5	6	20/1			204	MEN'S RM. RESTRM/JAN. L.TS. #4
HAND DRYER	96			20/1	7	8	20/1	170			WOMEN'S RM. RESTRM/JAN. L.TS.
HAND DRYER		96		20/1	9	10	20/1		176	90	OUTDOOR L.TS.
HAND DRYER			96	20/1	11	12	20/1				OUTDOOR CANOPY L.TS.
IT CLOSET/ STORAGE RECEPT	540			20/1	13	14	20/1	1332			AIR CURTAIN
WOMEN'S LOCKER RECEPT		360		20/1	15	16	20/1		10		ELECTRIC TRAP PRIMER
MEN'S LOCKER RECEPT			360	20/1	17	18	20/1			10	ELECTRIC TRAP PRIMER
CONCESSIONS RECEPT	540			20/1	19	20	20/1	10			ELECTRIC TRAP PRIMER
SWIMSUIT WATER EXTRACTOR		1032		20/1	21	22	15/2		230		ELECTRIC HEATER
SWIMSUIT WATER EXTRACTOR			1032	20/1	23	24	20/1			230	ELECTRIC HEATER
SPARE				20/1	25	26	20/1				SPARE
SPARE				20/1	27	28	20/1				SPARE
SPACE ONLY				-	29	30	-				SPACE ONLY
SPACE ONLY				-	31	32	-				SPACE ONLY
SPACE ONLY				-	33	34	-				SPACE ONLY
SPACE ONLY				-	35	36	-				SPACE ONLY
SPACE ONLY				-	37	38	-				SPACE ONLY
SPACE ONLY				-	39	40	-				SPACE ONLY
SPACE ONLY				-	41	42	-				SPACE ONLY
	1272	1584	1584					1784	654	534	

1

SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS SHOWN

2

LABEL PANEL FOR SHORT CIRCUIT AMPS AVAILABLE PER CEC 10-12.4.

3

PROVIDE & INSTALL LOCK ON DEVICE.

KVA Phase A	3.1	
KVA Phase B	2.2	
KVA Phase C	2.1	

Total Connected Load KVA	7.4
Total Load Amperes	21

Voltage: 120/208V 3ø	<div> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> </div> <div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> </div> <div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> </div>
----------------------	---

31

32

33

34

35

36

37

38

39

40

								Bussing: 600A		Wire: 4W											Fed: BOTTOM
Type: NFPA 3B											Mounting: SURFACE										
Mains: 800/3 M.B											A.I.C: 18,000										
**Load**	**A**	**B**	**C**	**Br** 2011	**Ch** 1	**abc** 2	**Br**	**A**	**B**	**C**	**Load**										
EXISTING LOAD											SPARE										
PANEL "W"		9600			3	+	4	3003			SPARE										
PANEL "W"			5800	2003	3	+	5				SPARE										
PANEL "W"	6500				7	+	8				SPARE										
PANEL "C"		13000			9	+	10	3003			SPARE										
PANEL "C"			10100	2203	11	+	12				SPARE										
PANEL "C"	8000				13	+	14	-			SPACE ONLY										
SPACE ONLY				-	15	+	16	-			SPACE ONLY										
SPACE ONLY				-	17	+	18	-			SPACE ONLY										
SPACE ONLY				-	19	+	20	-			SPACE ONLY										
SPACE ONLY				-	21	+	22	-			SPACE ONLY										
SPACE ONLY				-	23	+	24	-			SPACE ONLY										
SPACE ONLY				-	25	+	26	-			SPACE ONLY										
SPACE ONLY				-	27	+	28	-			SPACE ONLY										
SPACE ONLY				-	29	+	30	-			SPACE ONLY										
	14500	22000	15900						0	0	0										

Voltage

120/208V, 3ø

Wire

4W

Type

NEMA 1

Means

2003/3 MISC

1

2

PANEL "W"

Bussing

1255A

Feet

BOTTOM

Mounting

FLUSH

A.I.C.

10,000

Load	A	B	C	Br	Ck	dpb	Ck	Br	A	B	C	Load
SPLIT SYSTEM HEAT PUMP - 1	800			150	3	1	4	352	2563			HEAT PUMP COND. UNIT - 1A
SPLIT SYSTEM HEAT PUMP - 1		800					2			2563		HEAT PUMP COND. UNIT - 1A
SPLIT SYSTEM HEAT PUMP - 4			1184	202	7	1	8	352			2563	HEAT PUMP COND. UNIT - 1B
SPLIT SYSTEM HEAT PUMP - 4	1184			192	7	1	8	352	2563			HEAT PUMP COND. UNIT - 1B
ENERGY RECOVERY VENT - 1		216		7	9	1	10	161		600		DRINKING FOUNTAIN
ENERGY RECOVERY VENT - 1			216	201	13	1	12	201			520	OFFICE FLO3 RECYPT
WEIGHT RM. RT101 RECP.	1080			201	13	1	14	201	360			EQUIP. STORAGE R102 RECP
WEIGHT RM. RT101 RECP.		1260		201	15	1	16	201		180		EQU DEDICATED RECP.
WEIGHT RM. RT101 RECP.			720	201	17	1	18	201			1172	WEIGHT RM. RT101 RECP
REMOTE USER TERMINAL				201	19	1	20	201	888			WEIGHT RM. LTS.
FAN COIL THERMOSTAT				201	21	1	22	201		118		OFFICE/ELEC A. LTS.
ELECTRIC TRAP PRIMER			7	201	23	1	24	201			102	STORAGE LTS.
SPARE				201	25	1	26	201	154			OUTSIDE LTS.
SPARE				201	27	1	28	201		75		OUTSIDE CANOPY LTS.
SPARE				201	29	1	30	201				SIGN LIGHTING
SPARE				201	31	1	32	-				SPACE ONLY
SPARE				201	33	1	34	-				SPACE ONLY
SPARE				201	35	1	36	-				SPACE ONLY
SPARE				201	37	1	38	-				SPACE ONLY
SPARE				201	39	1	40	-				SPACE ONLY
SPARE				201	41	1	42	-				SPACE ONLY
	3064	2276	2137						6528	3536	4357	

1

2

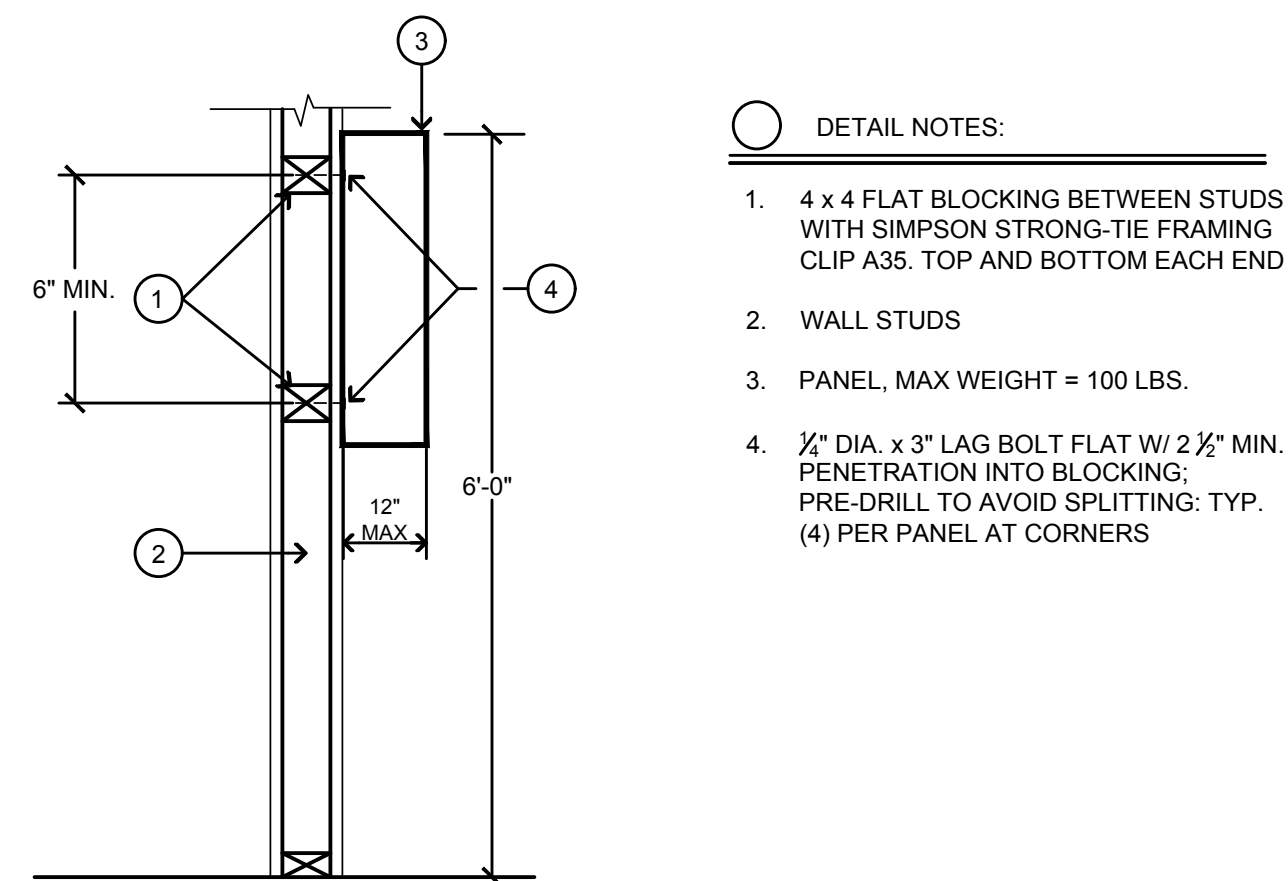
3

SUBMITTAL SHALL MATCH EXACT BREAKER LOCATIONS PER CEN.

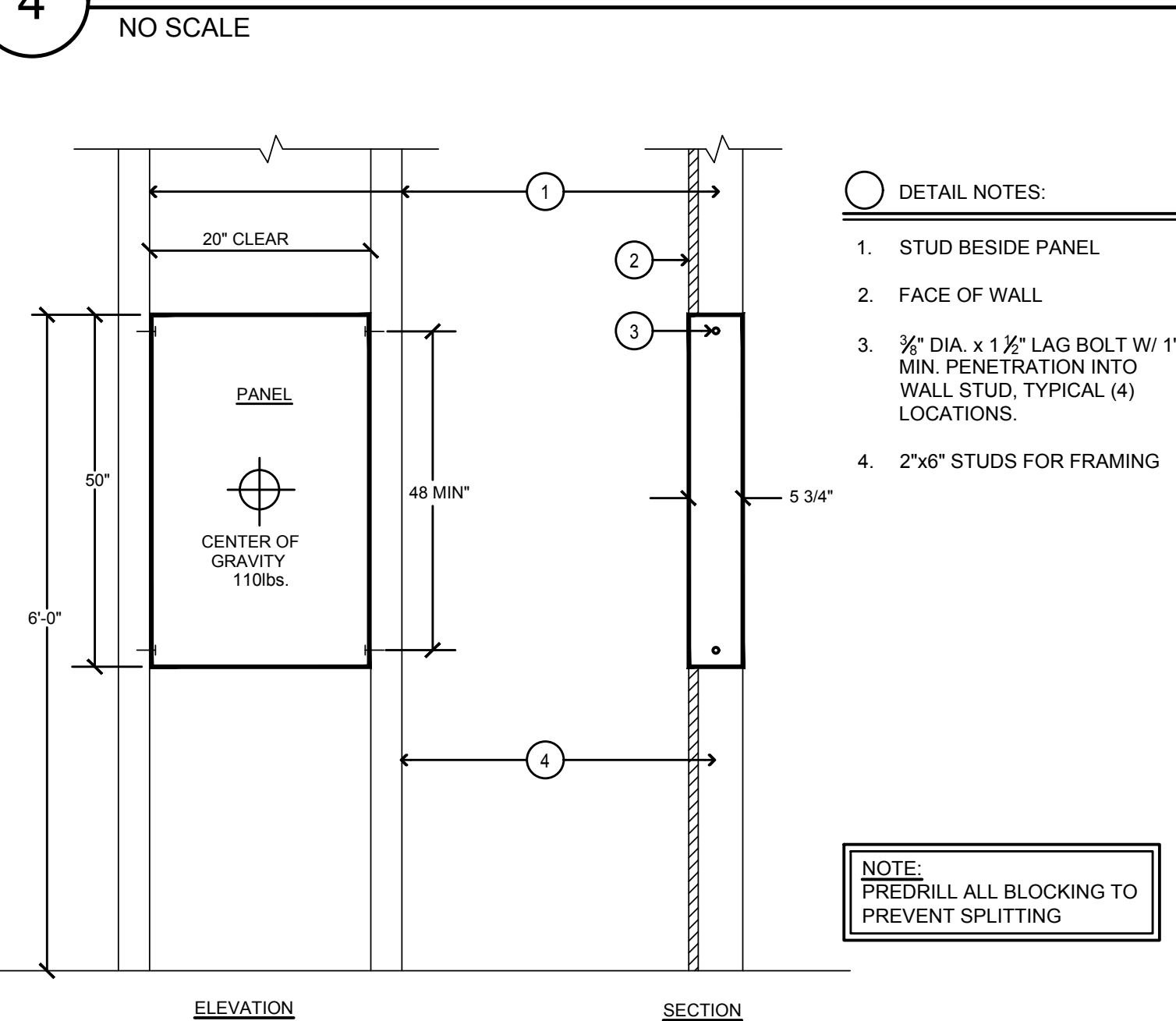
LABEL PANEL FOR SHORT CIRCUIT BREAKERS AVAILABLE PER SPEC 110-24.

PROVIDE A INSTALL LOCK-ON DEVICE.

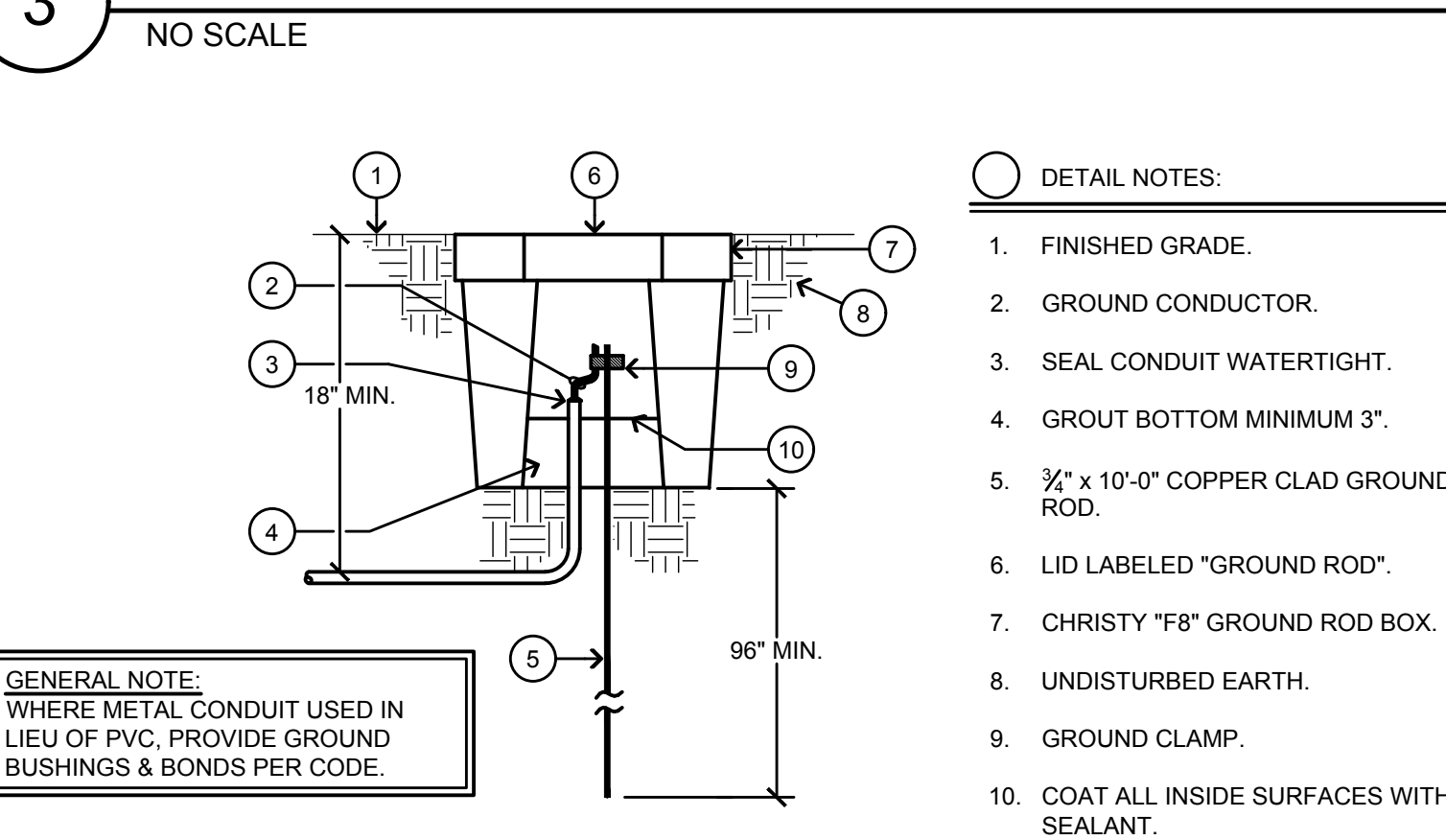
KVA Phase A	9.6											Total Connected Load KVA	21.9
KVA Phase B	5.8											Total Load Amps	61
KVA Phase C	6.5												



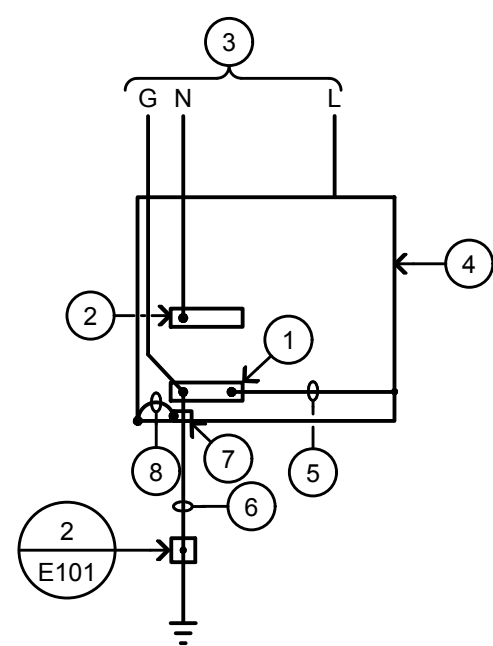
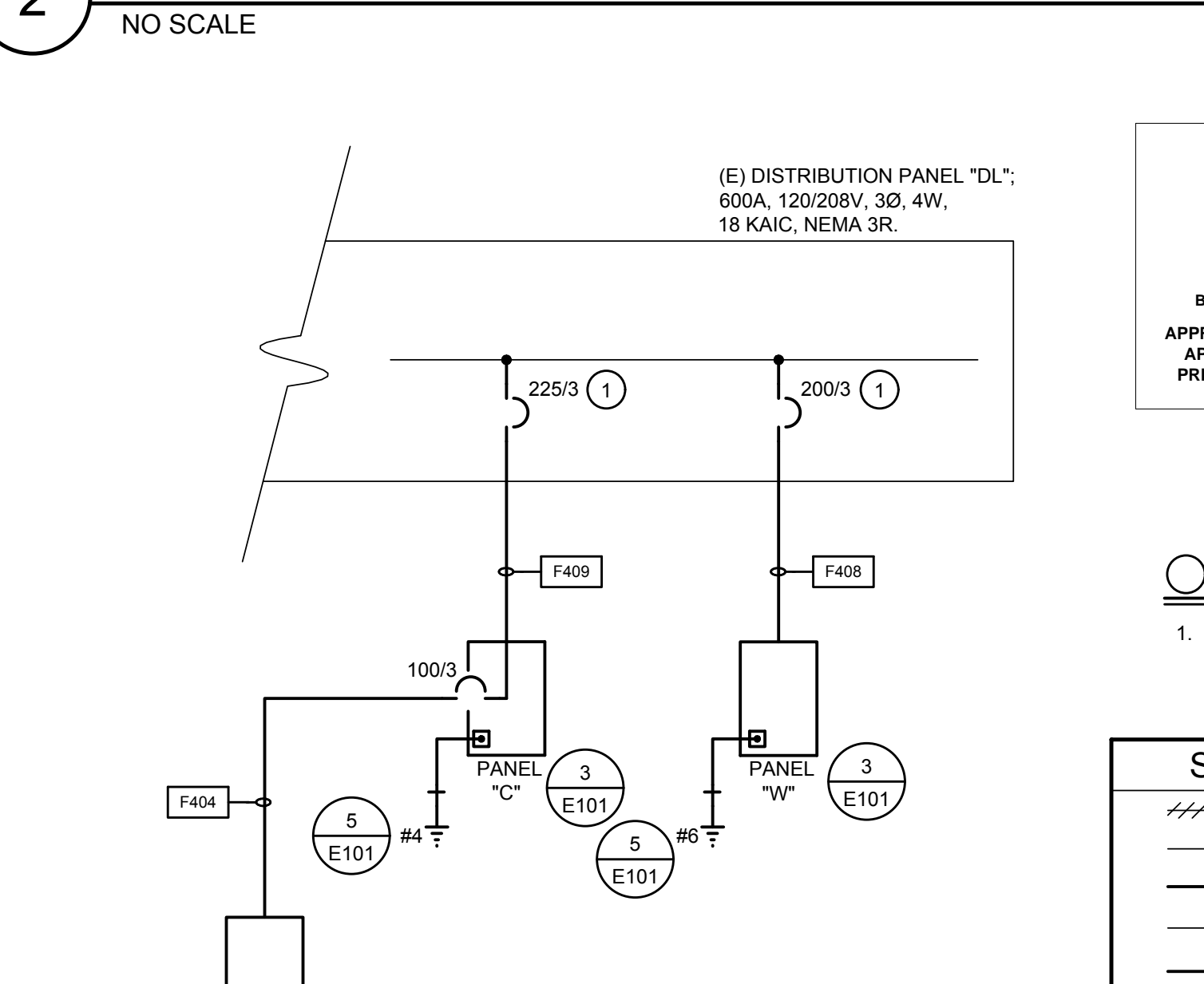
## 4 SURFACE MOUNTED PANEL DETAIL



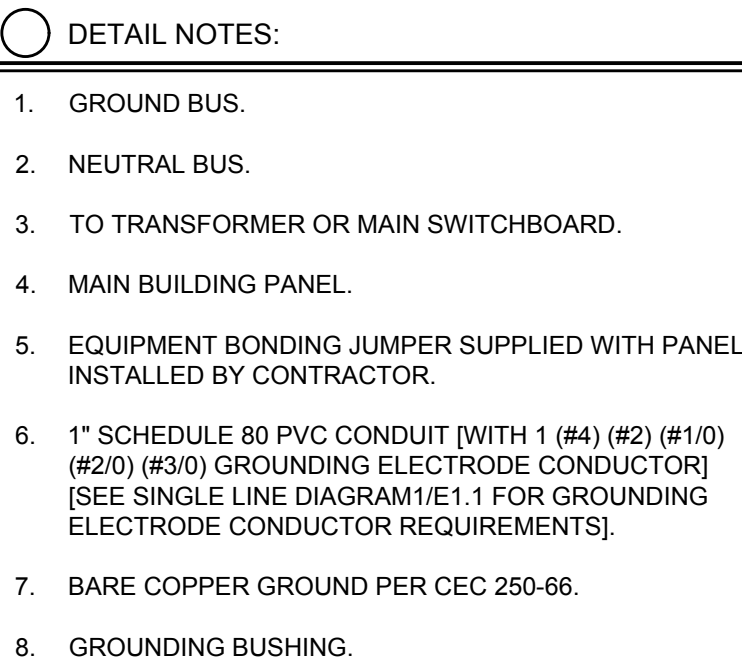
FLUSH MTD. PANEL DETAIL



## GROUND ROD BOX DETAIL



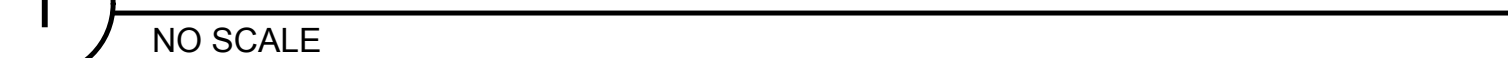
BLDG. PANEL GROUNDING



**GENERAL NOTE:**  
IF AVAILABLE ON THE PREMISES AT EACH BUILDING OR  
STRUCTURE SERVED EACH OF THE FOLLOWING SHALL  
BE BONDED TOGETHER TO FORM THE GROUNDING  
ELECTRODE SYSTEM:

- a. METAL COLD WATER PIPE,
- b. METAL FRAME OF BUILDING,
- c. GROUND RING,
- d. OTHER ELECTRODES PER CEC 250.50

## ELECTRICAL SINGLE LINE DIAGRAM



**AGD**  
ARCHITECTURE | DESIGN

ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
[www.andrewgoodwin.us](http://www.andrewgoodwin.us)

**acem** AURUM CONSULTING  
ENGINEERS  
MONTEREY BAY, INC.

Project No. 24-160.01

404 W. Franklin St. • Suite 100 • Monterey, CA 93940  
T.831.646.3330 • F.831.646.3336 • [www.acemb.com](http://www.acemb.com)

---

These drawings are instruments of service and are the property of AURUM CONSULTING ENGINEERS MONTEREY BAY, INC. All designs and other information in the drawings are for use on the specified project, and shall not be used otherwise without the expressed written permission of AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

*These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin.  
Copyright 2023*

## REVISIONS

REV #	REV DATE	REV DESCRIPTION
-------	----------	-----------------

SEAL



## PROJECT

TRANQUILLITY HIGH  
SCHOOL  
AQUATIC CENTER  
MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

**CLIENT**

GOLDEN PLAINS  
UNIFIED SCHOOL  
DISTRICT

**SHEET TITLE**  
ELECTRICAL SINGLE LINE  
DIAGRAM

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH  
DEPT. APPROVAL

**DATE:** 9/5/2025

TECHNICIAN: RT/JH

PROJECT MANAGER: TP

---

**JOB NUMBER:** 791

SHEET NUMBER  
1010

E101-2

---



## GENERAL NOTES:

- A. SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH, COORDINATE WITH DISTRICT & ARCHITECT FOR EXACT REQUIREMENTS.
- B. CONTRACTOR SHALL PROVIDE & INSTALL TAMPER-RESISTANT TYPE RECEPTACLES FOR ALL GENERAL 20 AMP, 120V RECEPTACLES. ONLY RECEPTACLES TO BE MOUNTED LOCATED AT 4'-0" A.F.F. AND FOR FIXED EQUIPMENT (WITH CORD & PLUG CONNECTION) ARE NOT REQUIRED TO BE OF TAMPER-RESISTANT TYPE.

## BRANCH CIRCUIT CONDUCTOR SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	1/2" C., 2 #10 & 1 #10 GND.
20/120	91'-140'	1/2" C., 2 #8 & 1 #8 GND.
20/277	131'-205'	1/2" C., 2 #10 & 1 #10 GND.
20/277	206'-330'	1/2" C., 2 #8 & 1 #8 GND.

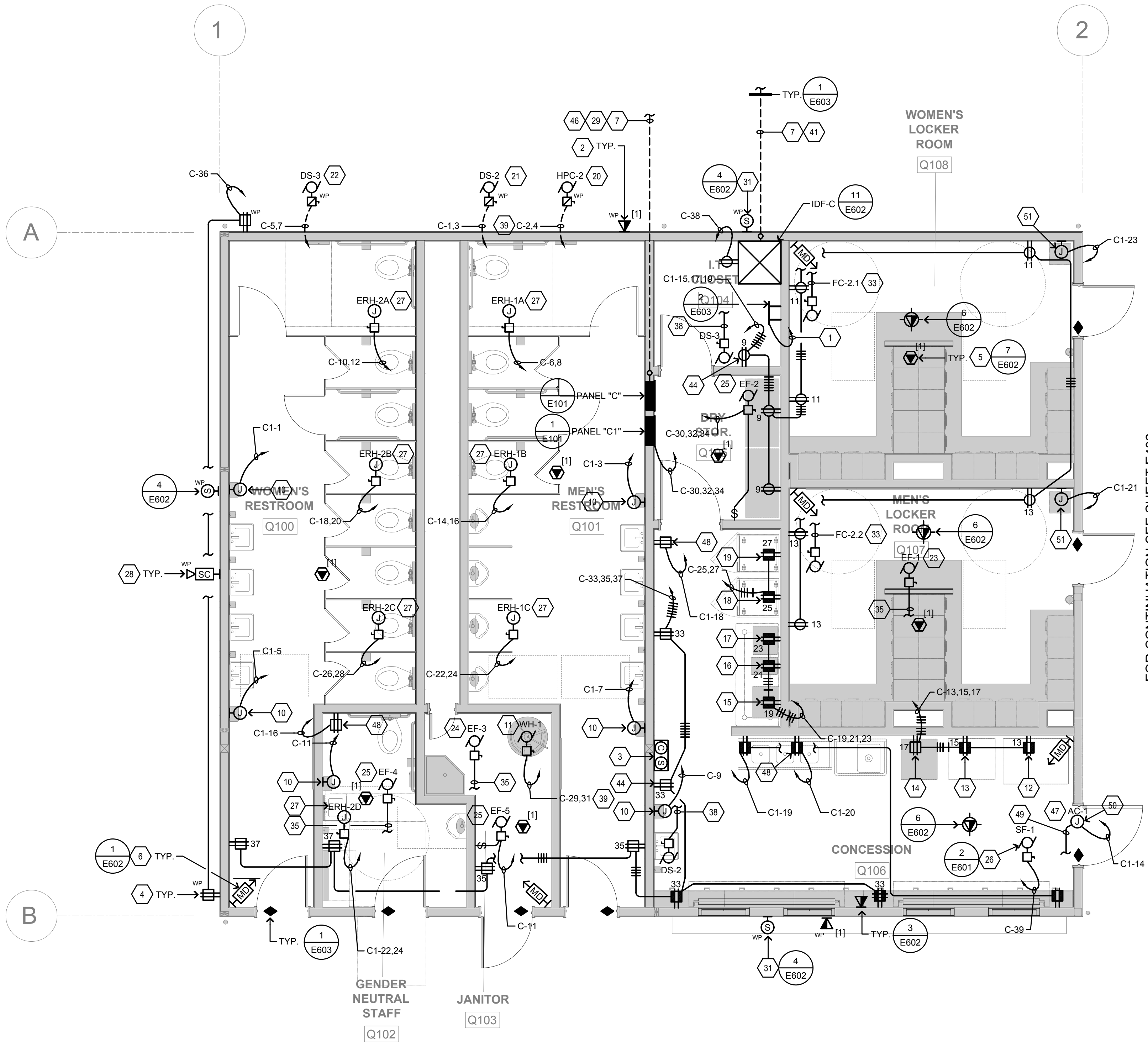
## NOTE:

A. CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

B. WHERE THE UNGROUNDED CONDUCTORS IS INCREASED IN SIZE, INCLUDING FOR VOLTAGE DROP, THE GROUNDED CONDUCTOR SHALL BE INCREASED IN SIZE PROPORTIONATELY PER CEC 250.122(B).

## SHEET NOTES

- 1/2" C., W/ #6 GND TO DIST. PANEL GND BUS.
- LOCATE FOR CAMERA.
- PROVIDE AND INSTALL IP-SDM ATLAS PA SPEAKER AND CLOCK WITH WALL MOUNTED BACK BOX TO HOUSE BOTH DEVICES. W/ 1/2" C. & CAT 6 CABLE TO IDF. PROVIDE AND INSTALL NECESSARY MOUNTING HARDWARE.
- PROVIDE & INSTALL IN-USE HEAVY DUTY WEATHERPROOF COVER, TAYMAC OR EQUAL.
- LOCATE FOR VAPE SENSOR; PROVIDE & INSTALL SV23 VERKADA VAPE SENSOR AND CONNECT VIA 1/2" C., WITH CAT 6 CABLE TO IDF.
- VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- SEE E202 FOR CONTINUATION.
- NOTE NOT USED.
- NOTE NOT USED.
- ELECTRIC HAND DRYER, 120V, 1.9A.
- ELECTRIC WATER HEATER, 120V, 18.75A.
- HOT FOOD TABLE, 120V, 17.5A, 2100W. CONTRACTOR SHALL PROVIDE AND INSTALL NEMA 5-30P RECEPTACLE.
- HOLDING/PROOFING CABINET, 120V, 16.6A, 2000W. CONTRACTOR SHALL PROVIDE AND INSTALL NEMA 5-20P RECEPTACLE.
- UNDERCOUNTER ICE MACHINE, 120V, 7A.
- LOCATE FOR SLOW COOKER 120V.
- REFRIGERATED BEVERAGE DISPENSER, 120V, 8A.
- POPCORN MACHINE, 120V, 1510W.
- BEVERAGE REFRIGERATOR, 120V, 2.2A.
- FREEZER, 120V, 3.7A.
- HEAT PUMP CONDENSING UNIT, 208V, 10, 30.8MCA.
- SPLIT SYSTEM HEAT PUMP, 208V, 10, 16.34MCA.
- SPLIT SYSTEM HEAT PUMP, 208V, 10, 14.23MCA.
- EXHAUST FAN, 120V, 318W, PROGRAM W/ 30 MINUTE TIME DELAYED OFF.
- EXHAUST FAN, 120V, 718W, PROGRAM W/ 30 MINUTE TIME DELAYED OFF.
- EXHAUST FAN, 120V, 52W, INSTALL CONTROL SWITCH AND WIRES FOR CONTROLS.
- SUPPLY FAN, 120V, 14W. PROVIDE W/ OCCUPANCY SENSOR IN ROOM.
- ELECTRIC RADIANT HEATER, 208V, 10, 2.2A. PROVIDE & INSTALL 1/2" C., W/ LINE VOLTAGE WIRES TO LINE VOLTAGE TIMER.
- CONTRACTOR SHALL INSTALL VERKADA CCTV CAMERA W/ 1/2" C. & CAT 6A CABLE TO IDF. CONTRACTOR SHALL COORDINATE FOR EXACT MAKE/MODEL W/ I.T. DEPARTMENT. (DOME SERIES, MINI SERIES, MULTI-SENSOR SERIES, & PTZ SERIES).
- SEE SINGLE LINE DIAGRAM 1/E101 FOR FEEDER SIZE AND REQUIREMENTS.
- SEE E402 FOR CONTINUATION.
- LOCATE FOR PA SPEAKER, PROVIDE & INSTALL IP-HPV ATLAS SPEAKER W/ 1/2" C., & CAT 6 CABLE TO IDF.
- DUCTLESS SPLIT SYSTEM HEAT PUMP, 208V.
- EXHAUST FAN, 120V, 52W, SWITCH ROOM OCCUPANCY/VACANCY SENSOR, PROVIDE 10-MINUTE DELAY.
- CIRCUIT EXHAUST FAN VIA LIGHTING CIRCUIT IN THIS ROOM AND CONTROL VIA LIGHT SWITCH/OCC SENSOR.
- EXHAUST FAN, 120V, 52W, PROGRAM W/ 10 MINUTE TIME DELAYED OFF.
- HEAT PUMP, 208V, 10.
- PROVIDE AND INSTALL 1/2" C., TO OUTDOOR DUCTLESS SPLIT SYSTEM HEAT PUMP.
- CONTRACTOR SHALL PROVIDE AND INSTALL 1/2" C., W/ 2 #10 AND 1 #10 GND.
- PROVIDE AND INSTALL DEDICATED DUPLEX RECEPTACLE FOR IDF-C.
- PROVIDE AND INSTALL FIBER OPTIC CABLES VIA 3" C., FROM (E) MDF TO "IDF-C" IN BUILDING "Q". STUB CONDUIT INTO BUILDING "Q" AND EXTEND TO "IDF-C".
- NOTE NOT USED.
- PROVIDE AND INSTALL 2" C., FOR FIRE ALARM CABLES.
- LOCATE FOR DUCTLESS SPLIT SYSTEM WIRED THERMOSTAT.
- LOCATE FOR FAN COIL WIRED THERMOSTAT.
- PROVIDE AND INSTALL FEEDER FROM (E) DISTRIBUTION PANEL "DL" TO PANEL "C" IN BUILDING "Q". STUB CONDUIT UP AND INTO PANEL "C".
- LOCATE FOR AIR CURTAIN, 120V, 11.1A, 34HP.
- LOCATE FOR ELECTRIC TRAP PRIMER, 120V.
- PROVIDE AND INSTALL 1/2" C., FOR MAGNETIC DOOR SWITCH. SEE MECHANICAL PLANS FOR LOCATION AND CONNECTIONS.
- LOCATE FOR UNIT MOUNTED DISCONNECT.
- LOCATE FOR SWIMSUIT WATER EXTRACTOR, 120V, 8.6A.



COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3rd Floor (559) 600-3357

APPROVED

WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS

BY: *Bibha Ragan* DATE: 9-5-25

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION

4' 0' 1' 2' 3' 4'  
SCALE: 1/4"=1'-0"



ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us



Project No. 24-160.01

404 W. Franklin St. Suite 100 • Monterey, CA 93940  
T 831 546-3330 • F 831 546-3338 • www.aurum.com

These drawings are instruments of service and are the property of AURUM CONSULTING ENGINEERS MONTEREY BAY, INC. All design and other information in the drawings are for use on the specified project and shall not be used otherwise without the express written permission of AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.

These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright: 2023

## REVISIONS

REV # | REV DATE | REV DESCRIPTION

## SEAL



## PROJECT

TRANQUILLITY HIGH SCHOOL  
AQUATIC CENTER  
MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

## CLIENT

GOODWIN DESIGNS  
UNIFIED SCHOOL  
DISTRICT

## SHEET TITLE

BUILDING "Q" POWER & SYSTEMS PLAN

PHASE DESCRIPTION  
100% CD FRESNO CO. HEALTH  
DEPT. APPROVAL

DATE: 9/5/2025

TECHNICIAN: RT/JL

PROJECT NUMBER: TP

JOB NUMBER: 791

SHEET NUMBER

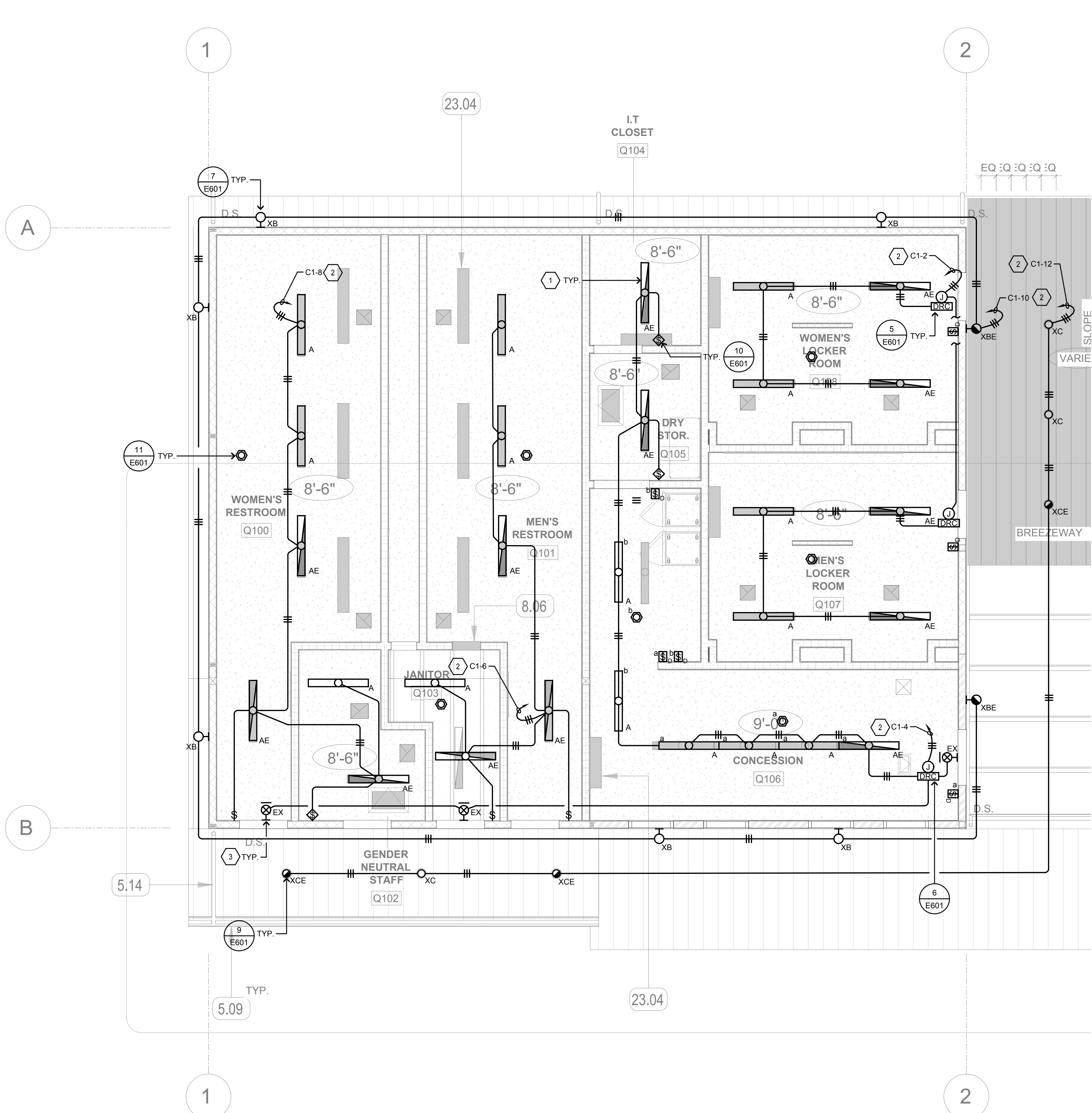
E401-2



DAYLIT ZONES LEGEND
<div></div> PRIMARY DAYLIT ZONE
<div></div> SECONDARY DAYLIT ZONE

SHEET NOTES
1. CONTRACTOR SHALL CONNECT EMERGENCY BATTERY BACK-UP TO LIGHTING CIRCUIT VIA UN-SWITCHED "HOT" IN SPACE AND ALLOW FOR NORMAL SWITCHING DURING NORMAL OPERATION.
2. CIRCUIT VIA LIGHTING CONTROL PANEL.
3. CIRCUIT VIA AN UN-SWITCHED HOT.

LIGHT FIXTURE SCHEDULE			
FIXTURE NOTES:			
1. ALL LED LIGHT FIXTURE BALLASTS/DRIVERS SHALL BE ELECTRONIC TYPE, 10% TOTAL HARMONIC DISTORTION MAXIMUM.			
2. ALL LED LIGHT MODULES SHALL BE ENERGY SAVING 3500° K, 80 CRI MINIMUM, U.O.N. (SEE SPECIFICATIONS FOR MORE INFORMATION).			
3. ALL LED DRIVERS (AND ASSOC. FIXTS.) SHALL HAVE MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH CALIFORNIA ENERGY COMMISSION STANDARDS AND REQUIREMENTS, WHERE SUCH ARE USED IN CONDITIONED SPACES.			
4. EXIT SIGNS, EMERGENCY LIGHTS AND LIGHT FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL SUPPLY A MINIMUM DURATION OF 90 MINUTES OF POWER IN THE EVENT OF A POWER OUTAGE/FAILURE.			
TYPE	DESCRIPTION	LAMPS	MANUFACTURER
A	4'L SURFACE MOUNT LED FIXTURE, ALUMINUM HOUSING, RIBBED ACRYLIC DIFFUSER, FINISH PER ARCHITECT, 0-10V DIMMING DRIVER, 120V.	34W LED	HE WILLIAMS ASM SERIES
AE	SAME AS FIXTURE "A" EXCEPT WITH ADDITIONAL EMERGENCY BATTERY BACK-UP.	34W LED	HE WILLIAMS ASM SERIES
B	4'L INDIRECT/DIRECT SUSPENDED LINEAR LED PENDANT FIXTURE, PRECISION-CUT 6063-T6 EXTRUDED ALUMINUM BODY, CUSTOM STEM AND SWIVEL OPTION, STEM LENGTH SHOULD BE FIELD COORDINATED TO BASED ON HEIGHT OF FIXTURE AFF, 0-10V DIMMING DRIVER, 120V. MOUNT FIXTURE 10' AFF.	73.8W LED	FINELITE HP-2 SERIES
BE	SAME AS FIXTURE "B" EXCEPT WITH ADDITIONAL EMERGENCY BATTERY BACK-UP.	73.8W LED	FINELITE HP-2 SERIES
B1	SAME AS FIXTURE TYPE "B" EXCEPT 8' L & WATTAGE.	71W LED	FINELITE HP-2 SERIES
C	4'L SURFACE MOUNTED LED FIXTURE, FROSTED EXTRUDED ACRYLIC LENS, 20-GAUGE DIE FORMED HOUSING, UNV 120/277V, 0-10V DIMMING DRIVER.	25W LED	HE WILLIAMS LLM SERIES
XB	17" x 10" x 6" LED WALL SCONCE.	22W LED	GARDCO SERIES 121
XBE	SAME AS FIXTURE TYPE "XB" EXCEPT WITH EMERGENCY BATTERY BACK-UP	22W LED	GARDCO SERIES 121
XC	16" SQUARE X 6"D LED FIXTURE, 0-10V DIMMING DRIVER, 120V, WET LABEL WITH MARINE GRADE FINISH, ANTI-SEIZE STAINLESS STEEL SCREWS. (CONTRACTOR SHALL PROVIDE 10% DRIVER OVERSTOCK FOR ALL FIXTURES.)	15W LED	KENALL LIGHTING MS15 SERIES
XCE	SAME AS FIXTURE "XC" EXCEPT EMERGENCY BATTERY BACKUP	15W LED	KENALL LIGHTING MS15 SERIES



COUNTY OF FRESNO ENVIRONMENTAL HEALTH DIVISION  
1221 Fulton Street - 3rd Floor (559) 600-3357

APPROVED  
WITH NOTED CORRECTIONS AND SUBJECT TO FIELD INSPECTIONS

BY: *B. R. R.* DATE: 9-5-25

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY APPLICABLE CITY OR COUNTY ORDINANCE OR STATE LAW AND SHALL NOT PREVENT THIS DEPARTMENT FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTION

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

NORTH

AGD

ARCHITECTURE | DESIGN

ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us

ENGINEERS  
MONTEREY BAY, INC.

Project No. 24-160.01

404 W. Franklin St • Suite 100 • Monterey, CA 93940  
T 831.646.3338 • F 831.646.3338 • www.aurumdb.com

These drawings are instruments of service and are the property of Aurum Consulting Engineers Monterey Bay, Inc. All design and other information on the drawings are for use on the specified project and shall not be used or otherwise reproduced without express written permission of Andrew Goodwin. Copyright 2023

REVISIONS

REV # | REV DATE | REV DESCRIPTION

SEAL

NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL  
ELECTRICAL ENGINEER  
STATE OF CALIFORNIA  
No. 10177

PROJECT

TRANQUILLITY HIGH SCHOOL  
AQUATIC CENTER  
MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

CLIENT

GOLDEN PLAINS  
UNIFIED SCHOOL  
DISTRICT

SHEET TITLE

BUILDING "Q" LIGHTING  
PLAN

PHASE DESCRIPTION

100% CD FRESNO CO. HEALTH  
DEPT. APPROVAL

DATE:

9/5/2025

TECHNICIAN:

RT/JL

PROJECT MANAGER:

TP

JOB NUMBER:

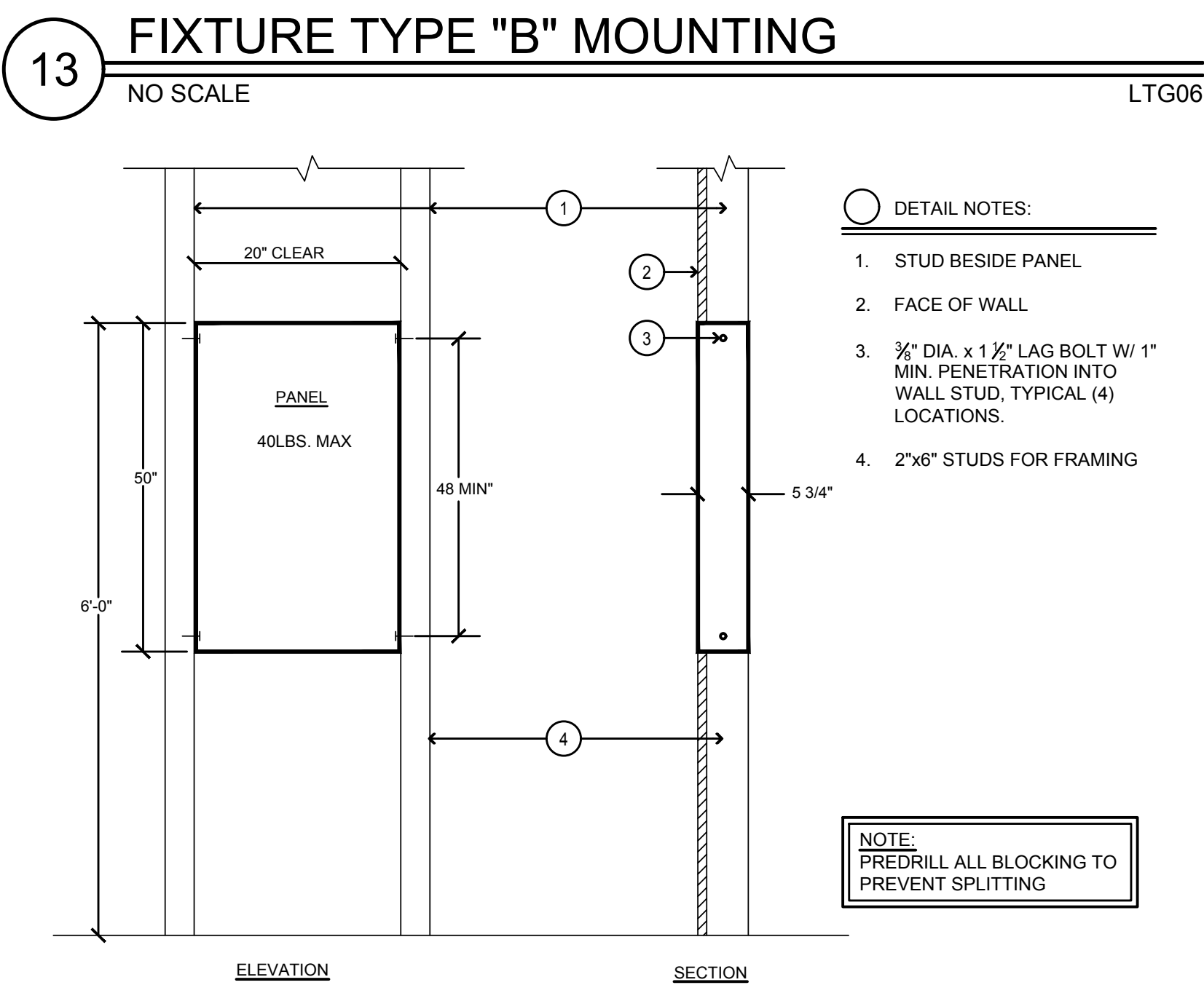
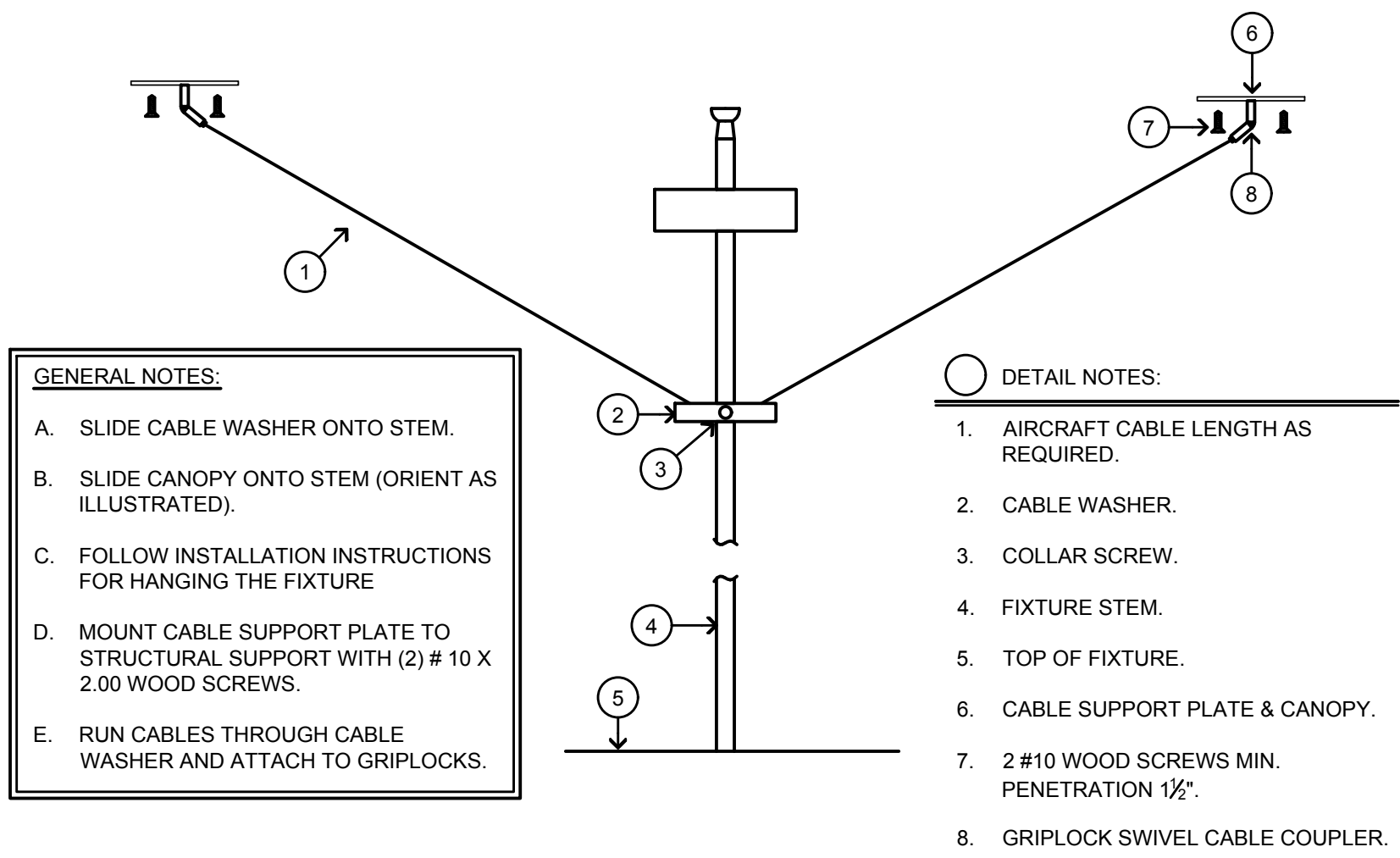
791

SHEET NUMBER

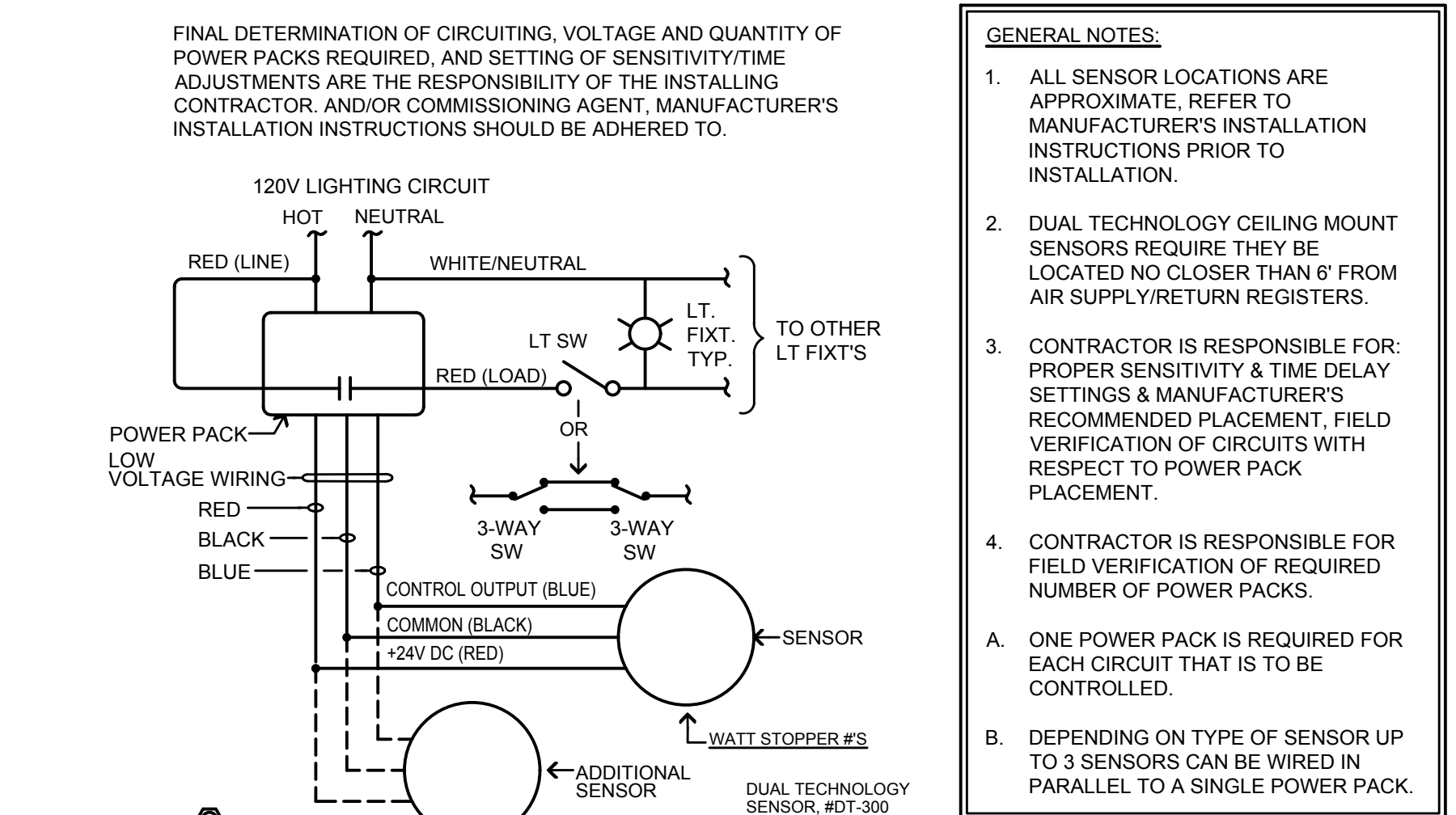
E501-2

PLOT DATE: 9/21/2025 3:26:20 PM

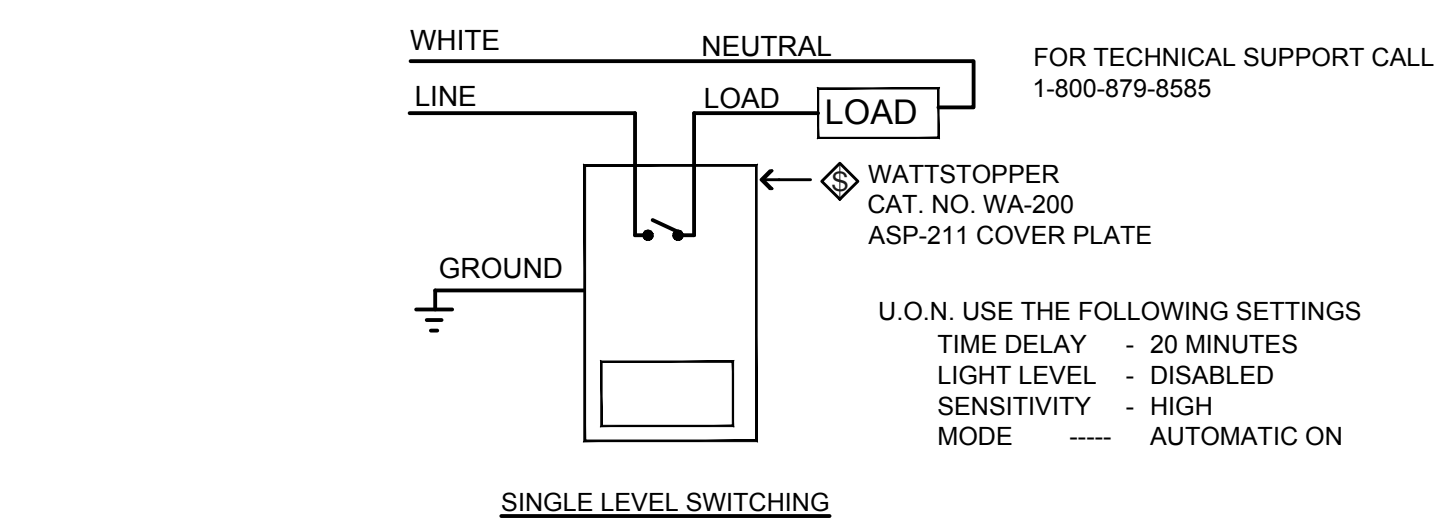




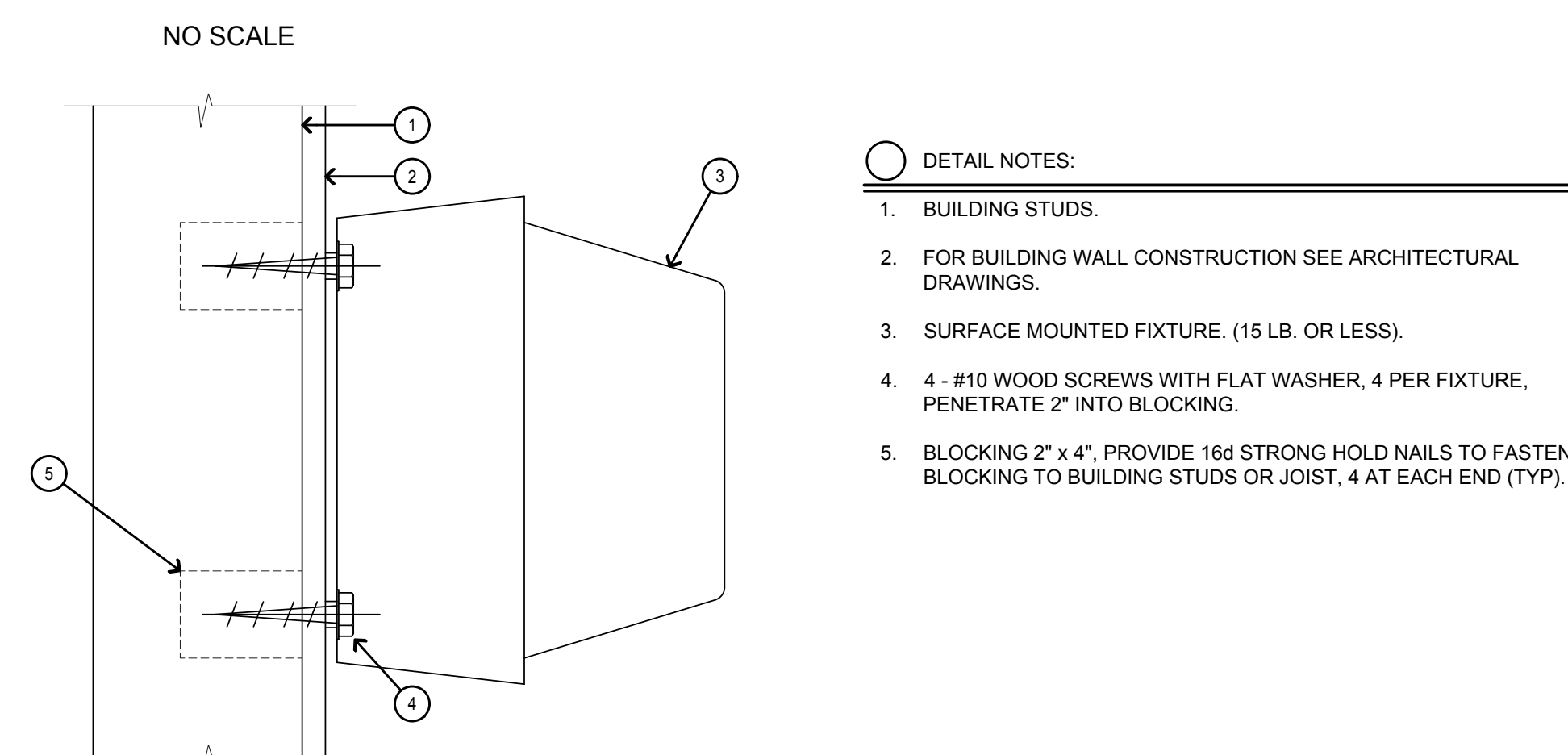
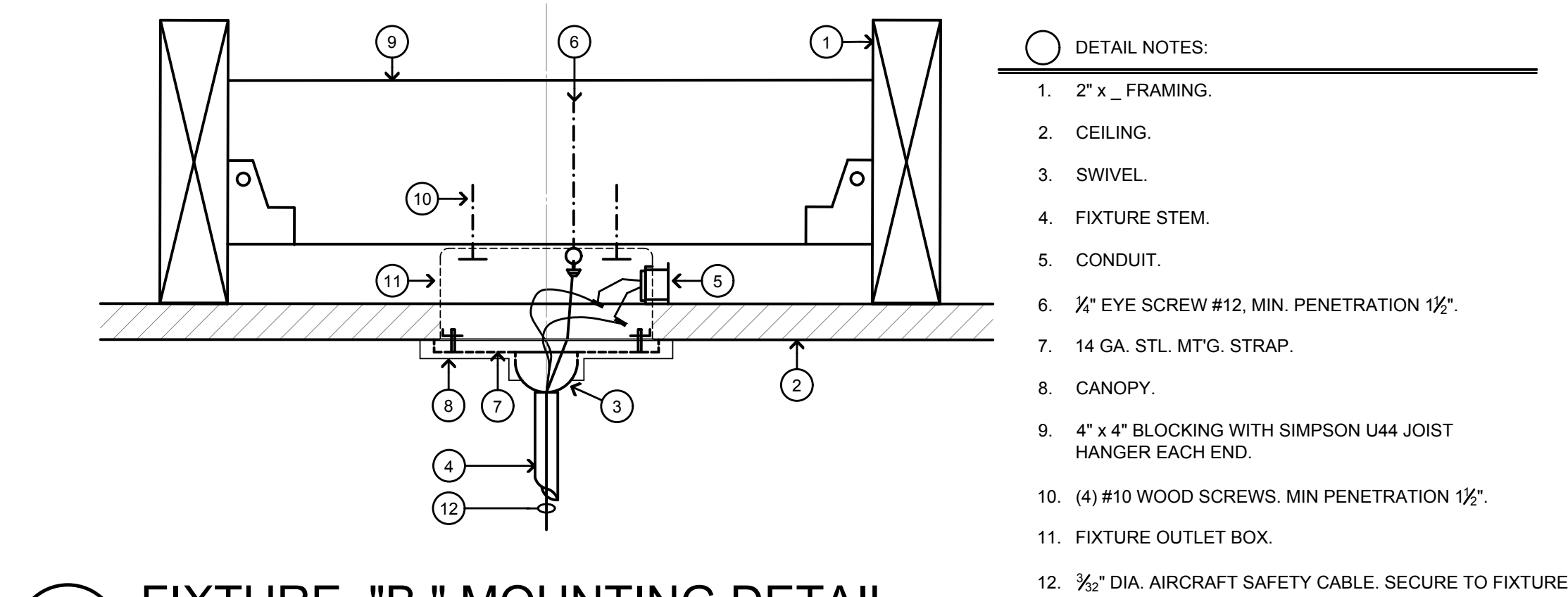
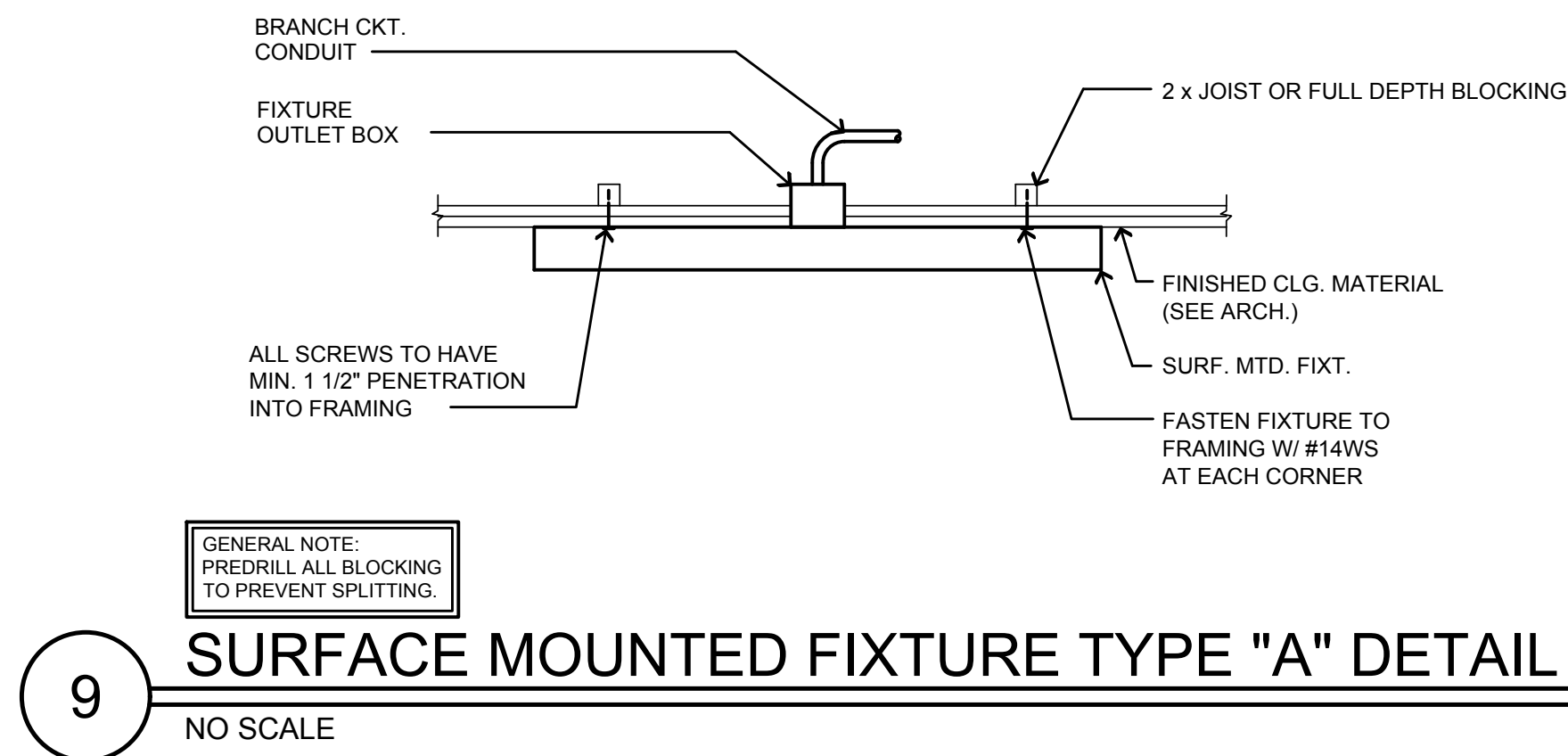
**12** **FLUSH MTD. LIGHTING CONTROL PANEL DETAIL**  
NO SCALE



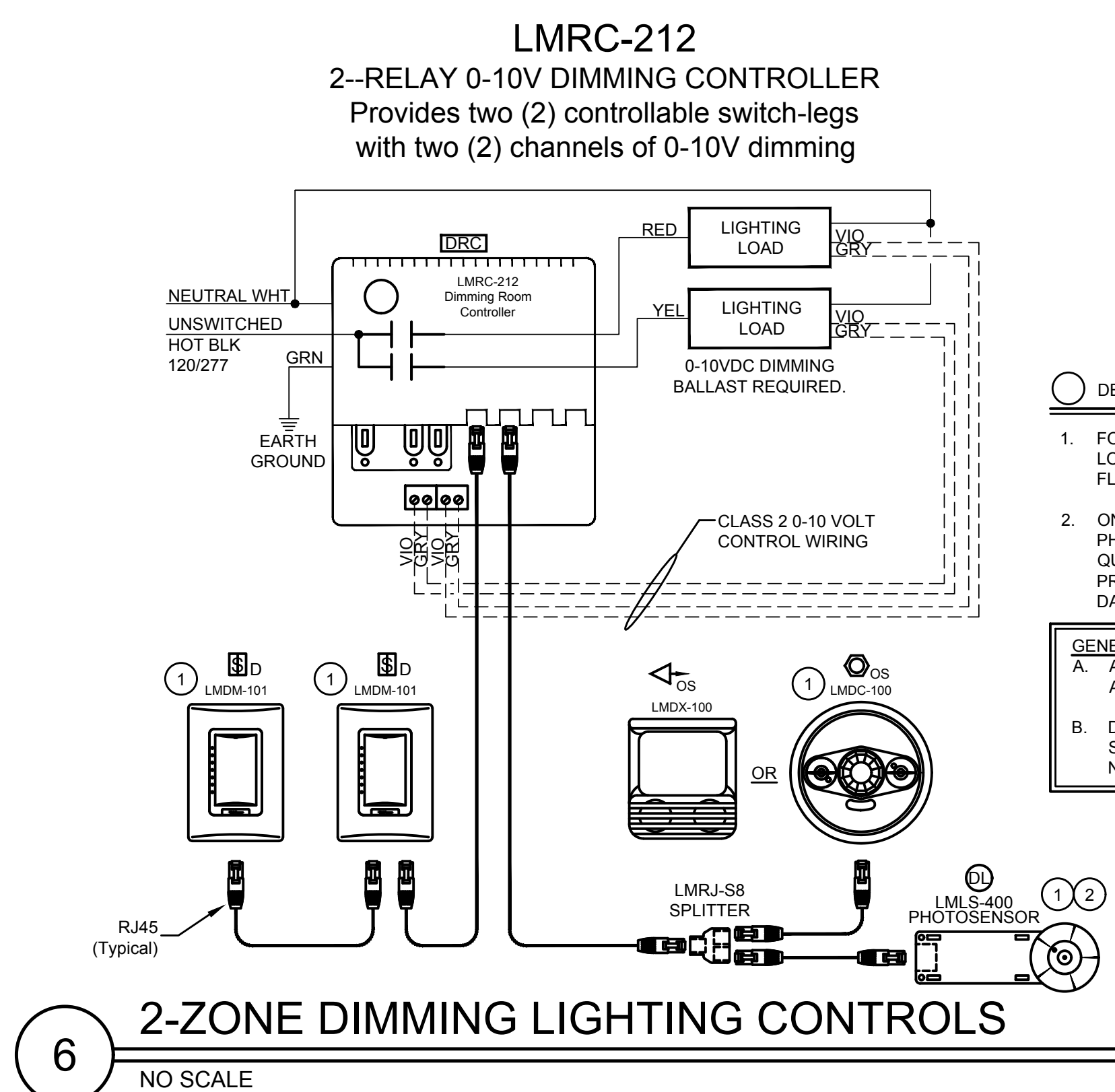
**11** **OCCUPANCY SENSOR WIRING DIAGRAM**  
NO SCALE



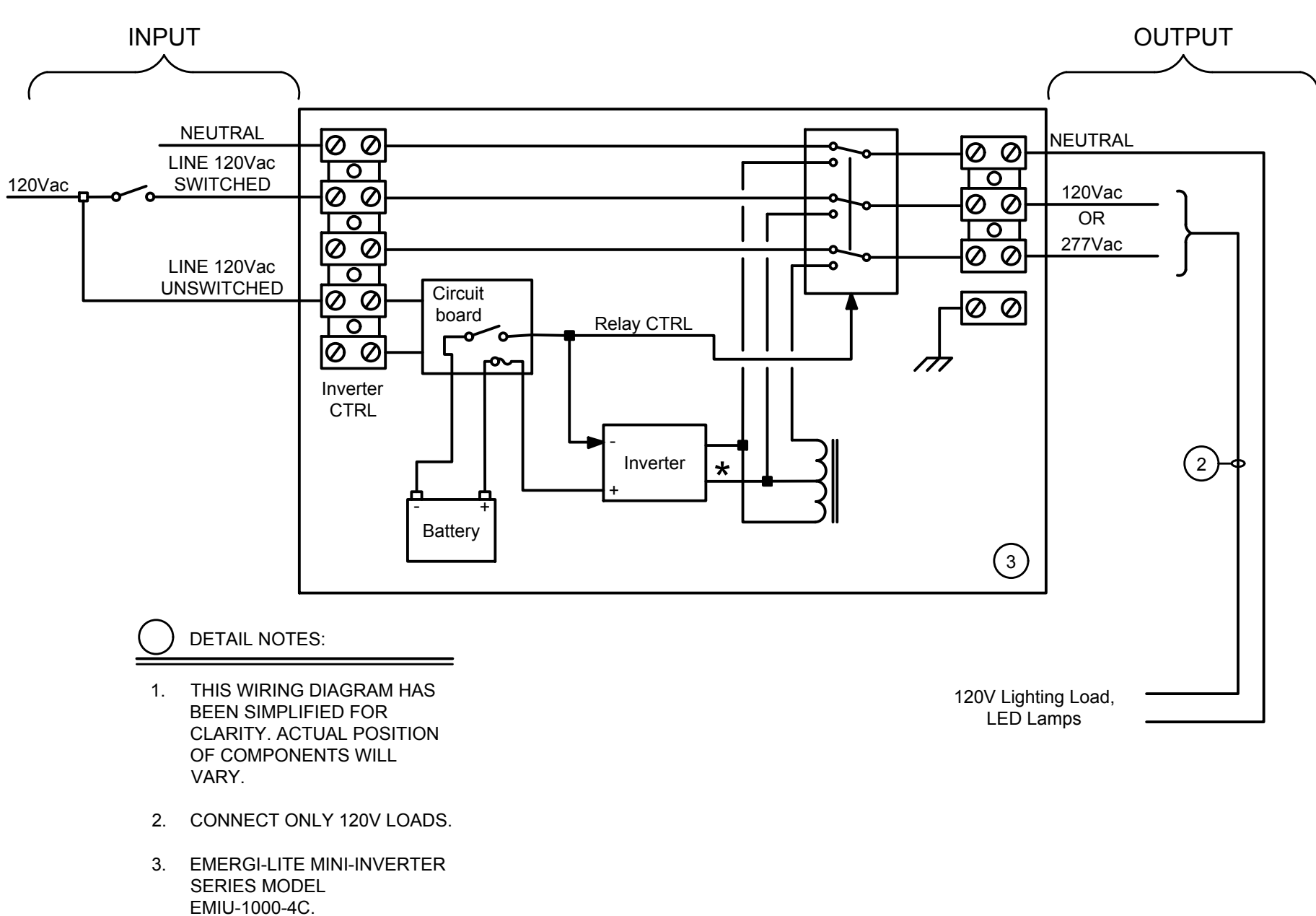
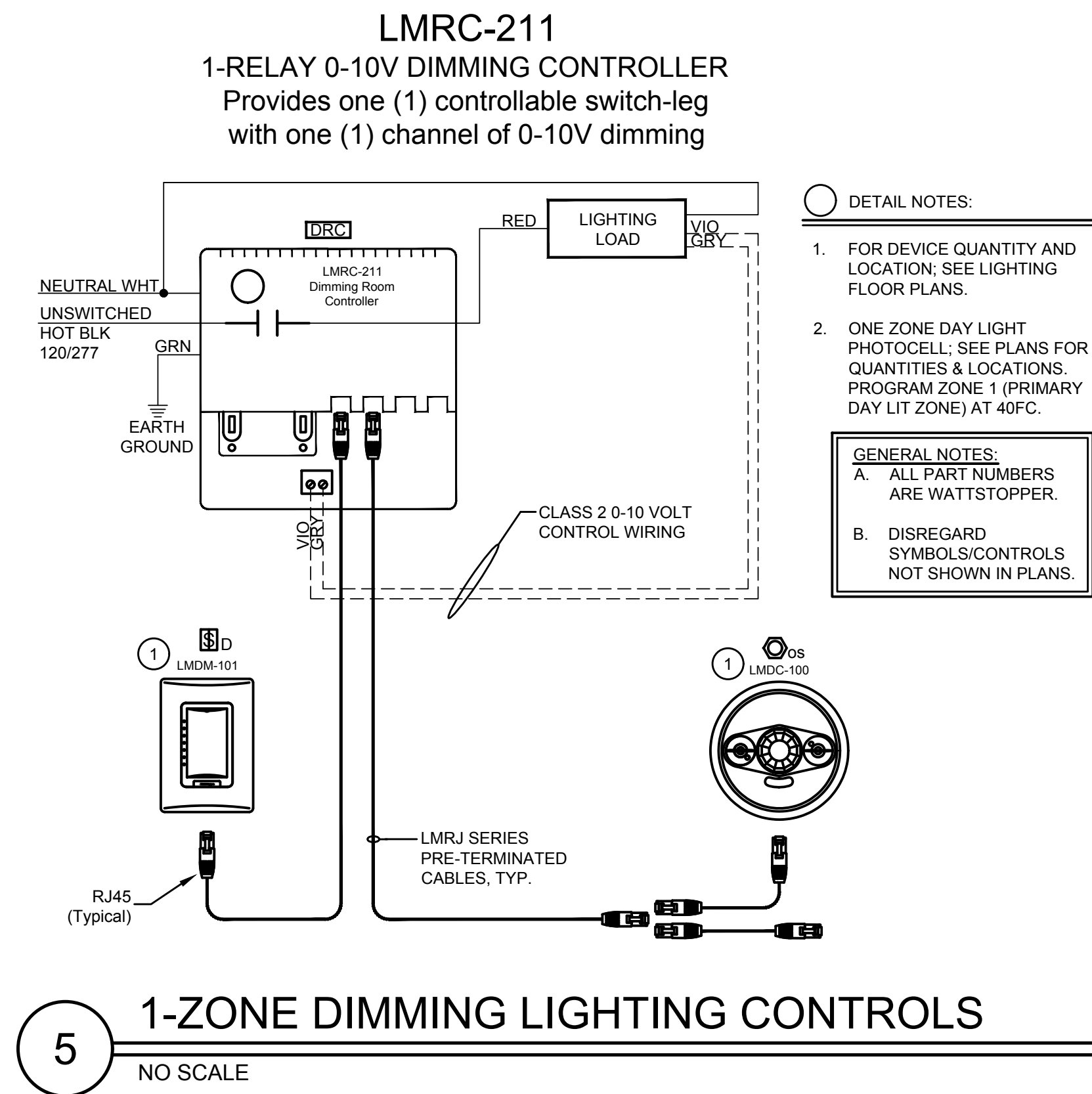
**10** **WALL OCCUPANCY SENSOR WIRING**  
NO SCALE



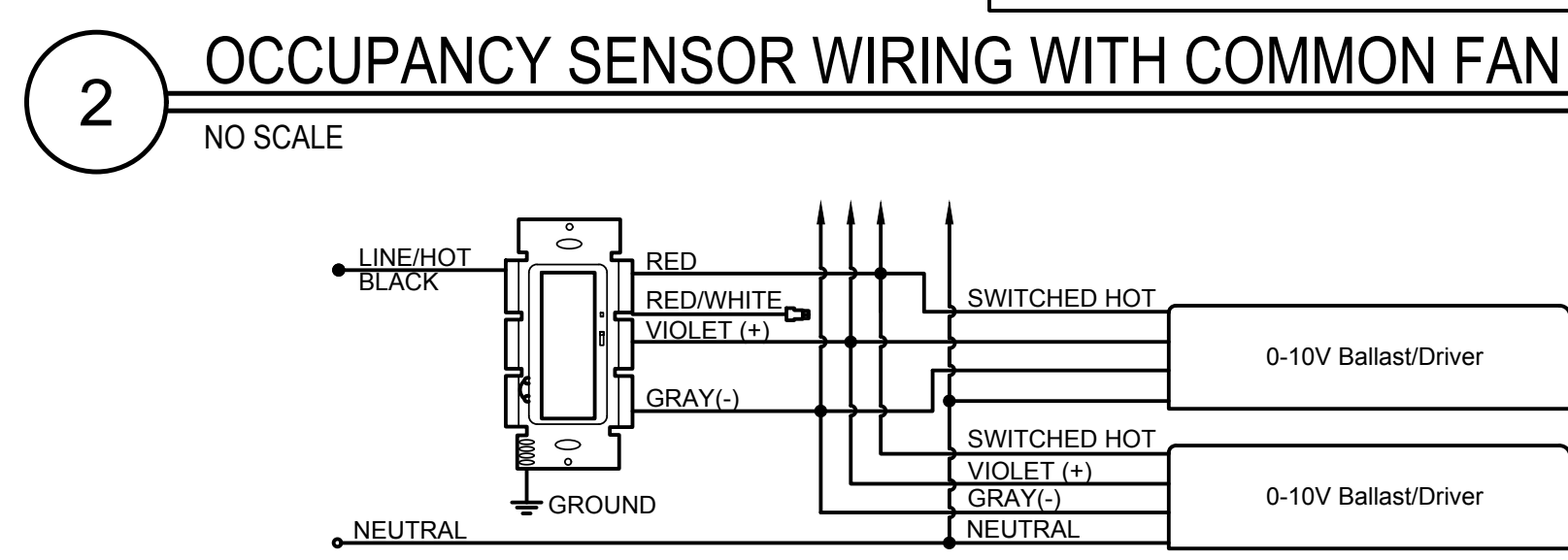
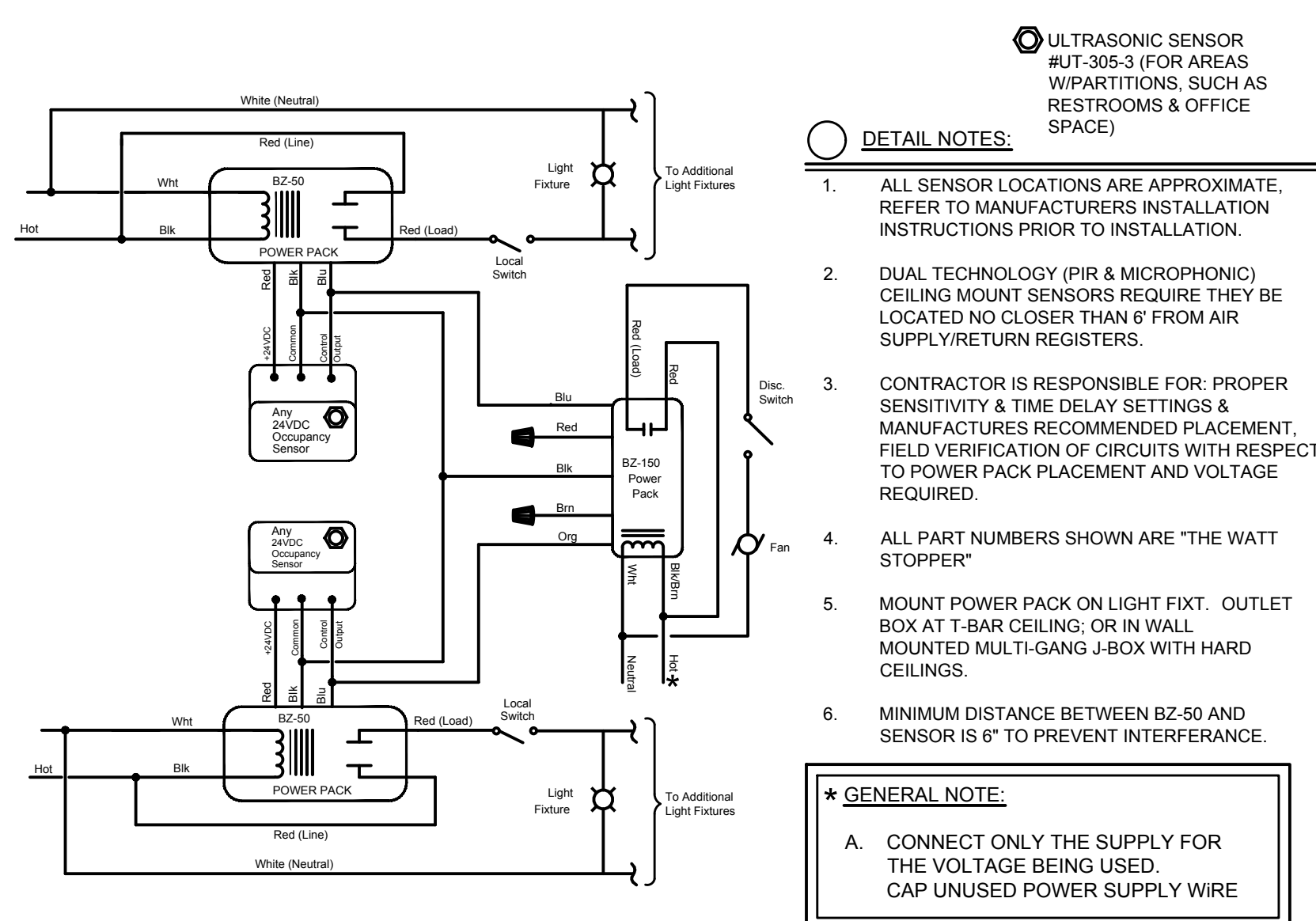
**7** **WALL MOUNTED FIXTURE TYPE "XB" DETAIL**  
NO SCALE



**6** **2-ZONE DIMMING LIGHTING CONTROLS**  
NO SCALE



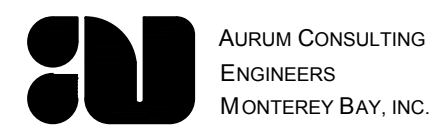
**4** **EMERGENCY LIGHTING INVERTER**  
NO SCALE



**1** **0-10V DIMMING WIRING DIAGRAM**  
NO SCALE



ANDREW GOODWIN DESIGNS  
1238 MONTEREY STREET  
SAN LUIS OBISPO, CA 93422  
t: (805) 439-1611  
www.andrewgoodwin.us



AURUM CONSULTING  
ENGINEERS  
MONTEREY BAY, INC.  
Project No. 24-160-01  
404 W. Franklin St. • Suite 100 • Monterey, CA 93940  
T 831 646-3338 • F 831 646-3338 • www.aurum.com

These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright 2023

These drawings are instruments of service and are the property of Andrew Goodwin Designs, Inc. The information represented on these drawings are exclusively for the project indicated and shall not be transferred or otherwise reproduced without express written permission of Andrew Goodwin. Copyright 2023

**REVISIONS**  
REV # | REV DATE | REV DESCRIPTION



**PROJECT**

TRANQUILLITY HIGH SCHOOL  
AQUATIC CENTER  
MODERNIZATION  
6052 Juanche Ave,  
Tranquillity, CA 93668

**CLIENT**

GOLDEN PLAINS  
UNIFIED SCHOOL  
DISTRICT

**SHEET TITLE**  
ELECTRICAL DETAILS

**PHASE DESCRIPTION**  
100% CD FRESNO CO. HEALTH  
DEPT. APPROVAL

**DATE:** 9/5/2025

**TECHNICIAN:** RT/JL

**PROJECT MANAGER:** TP

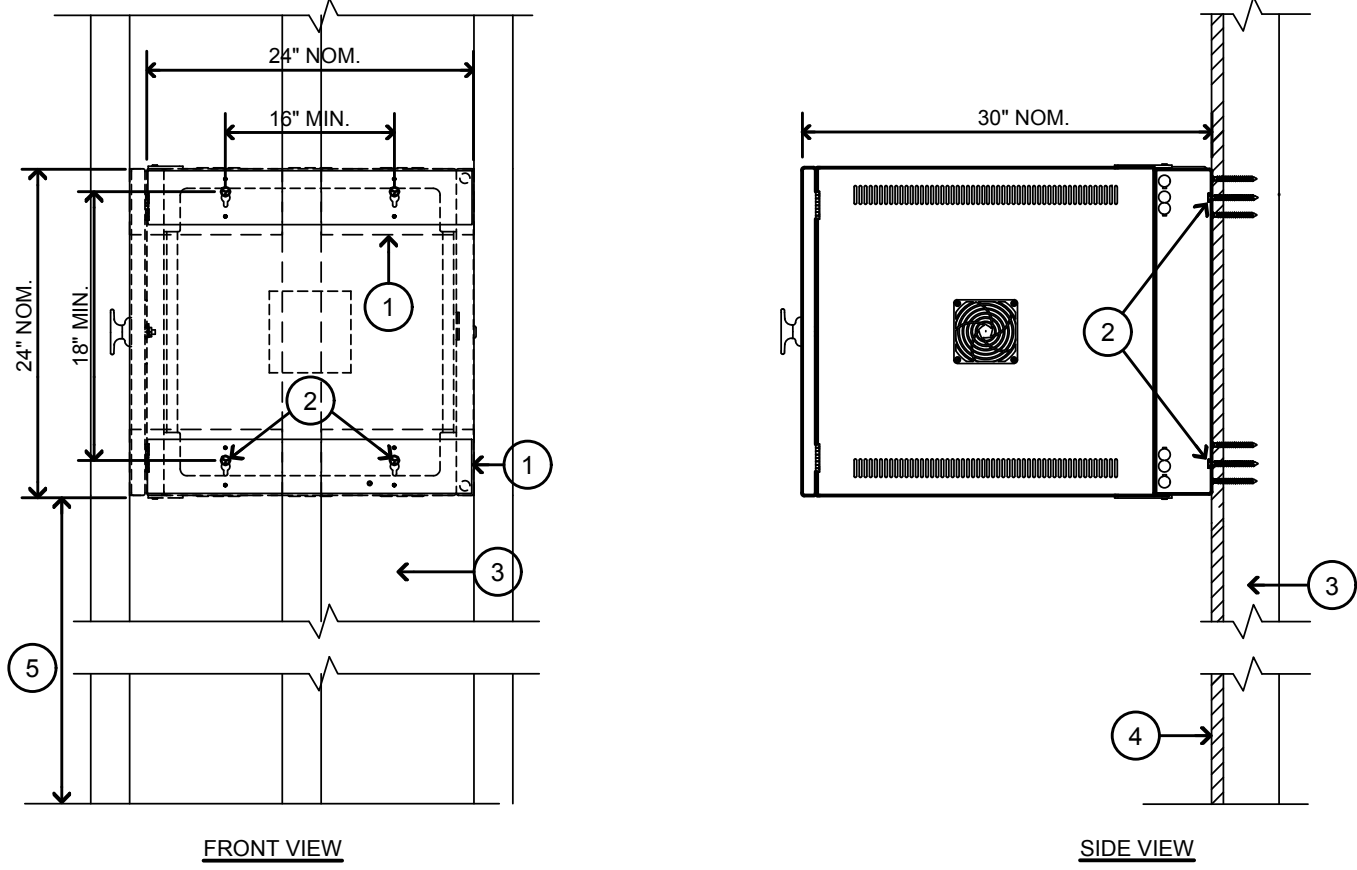
**JOB NUMBER:** 791

**SHEET NUMBER**

**E601-2**

PLOT DATE: 9/21/2025 3:26:20 PM

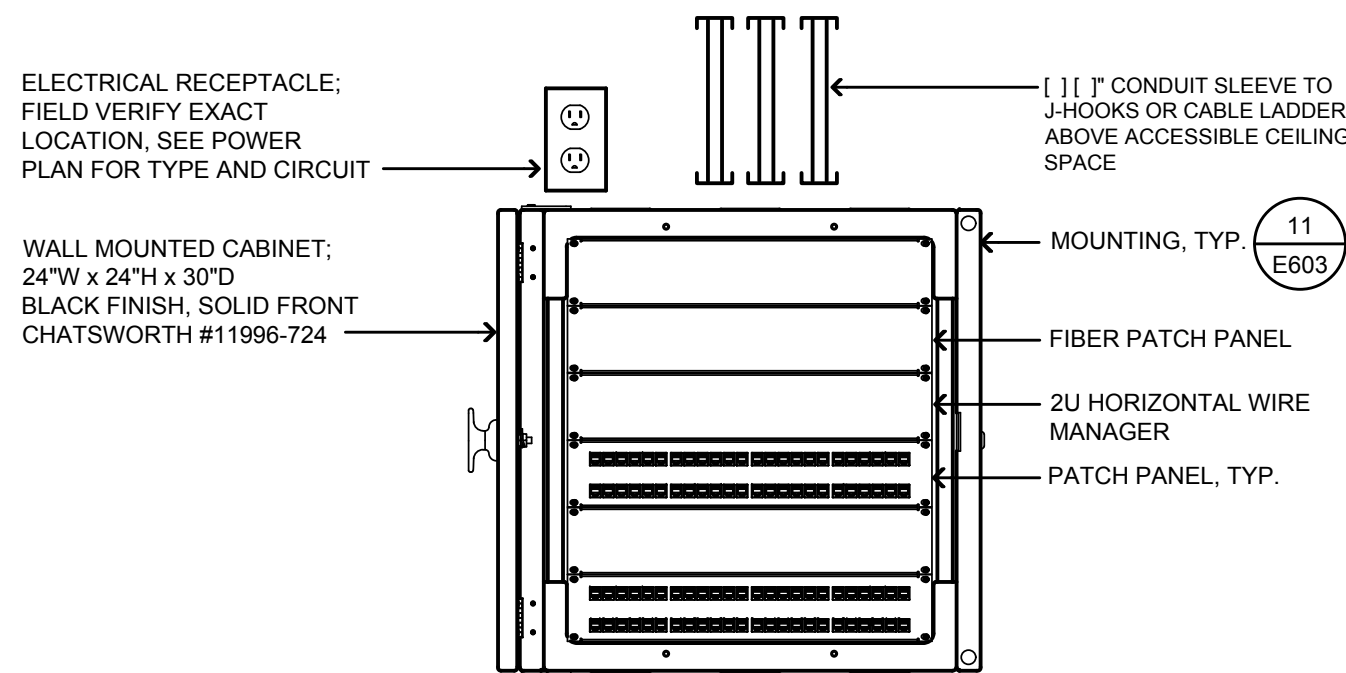




- DETAIL NOTES:**
- 4 x 6 FLAT BLOCKING AT MOUNTING LOCATIONS. SEE DETAIL 36/54/52-2.
  - SIMPSON 1/2\" x 3 1/2\" SDS SCREW (MODEL NO. SDS25312) W/ 2 1/2\" MIN. PENETRATION INTO BLOCKING AT EA. CORNER (4 MINIMUM PER CABINET).
  - STUD FRAMING SEE STRUCTURAL PLANS.
  - FACE OF WALL.
  - FIELD VERIFY MOUNTING HEIGHT.
  - LEAVE ADEQUATE CABLE LENGTH TO ALLOW DOOR TO SWING OPEN FULLY.
  - WEIGHT OF CABINET = 200 LBS (MAX).

## 11 WALL CABINET MOUNTING DETAIL

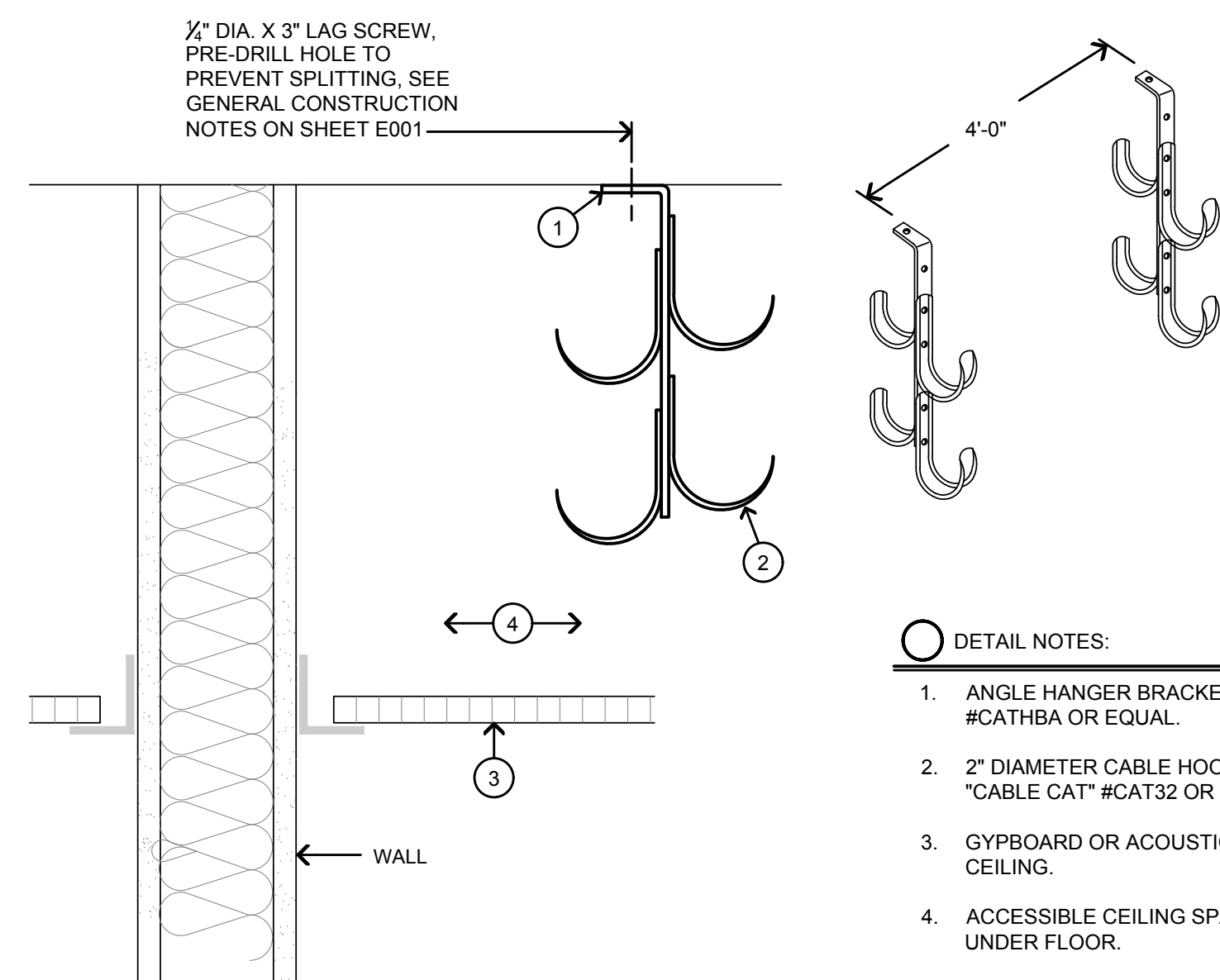
NO SCALE



- GENERAL NOTES:**
- FIELD VERIFY EXACT LOCATION OF CABINET WITH IT DEPARTMENT BEFORE ROUGH-IN. MOUNT SO THAT CABINET DOOR CAN SWING FULLY OPEN.
  - PROVIDE ALL MISCELLANEOUS CONNECTORS, WIRE MANAGEMENT, SHELF BRACKETS, CABLE SPLICE KITS, MOUNTING HARDWARE, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION.
  - PROVIDE PATCH PANELS FOR QUANTITY OF DATA OUTLETS IN PROJECT PLUS 20%.
  - LEAVE ADEQUATE CABLE LENGTH TO ALLOW DOOR TO SWING FULLY OPEN.
  - PROVIDE AND INSTALL #6 TO PANEL OR MAIN GROUND BUS BAR.

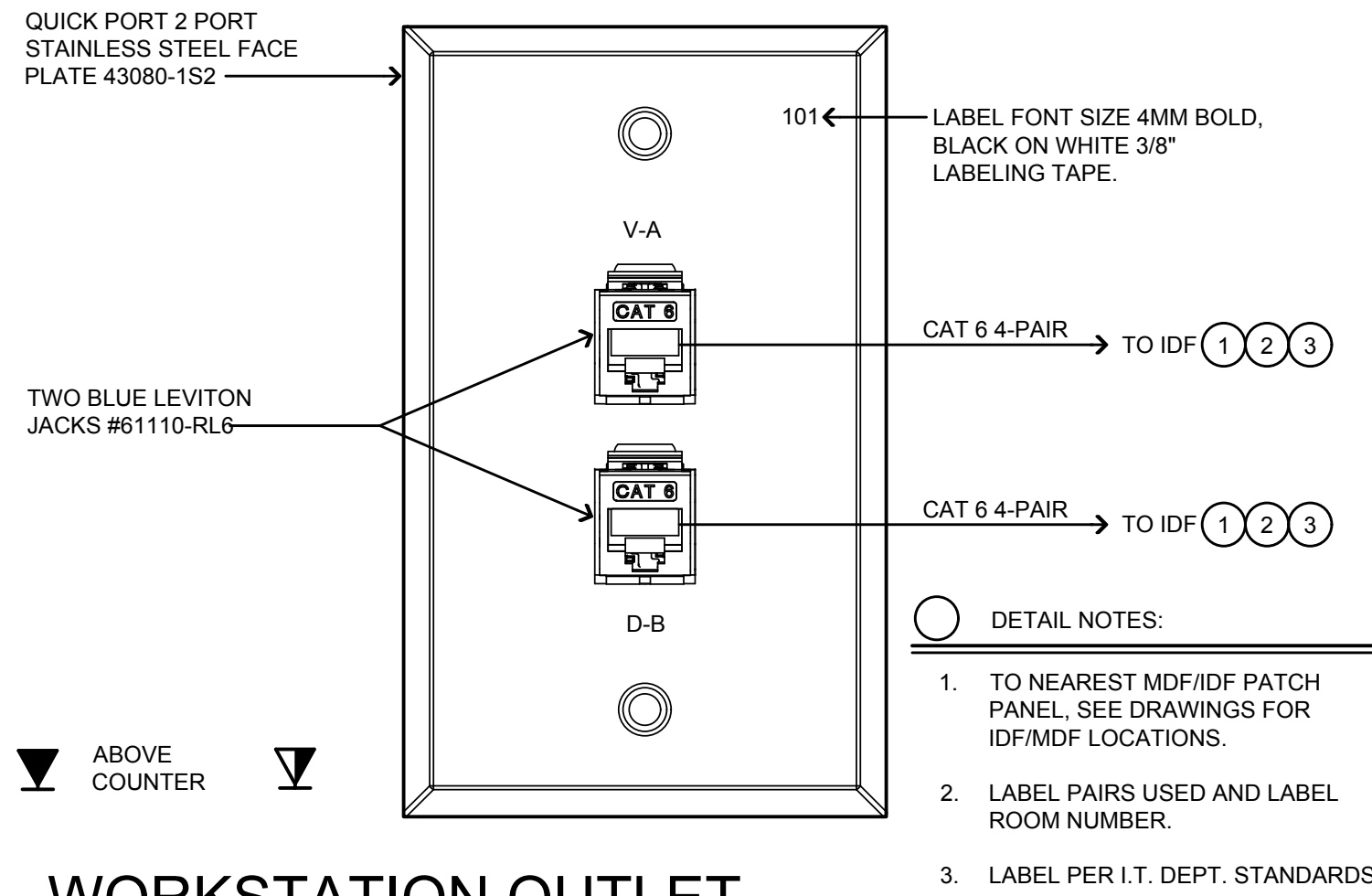
## 10 WALL CABINET DETAIL

NO SCALE



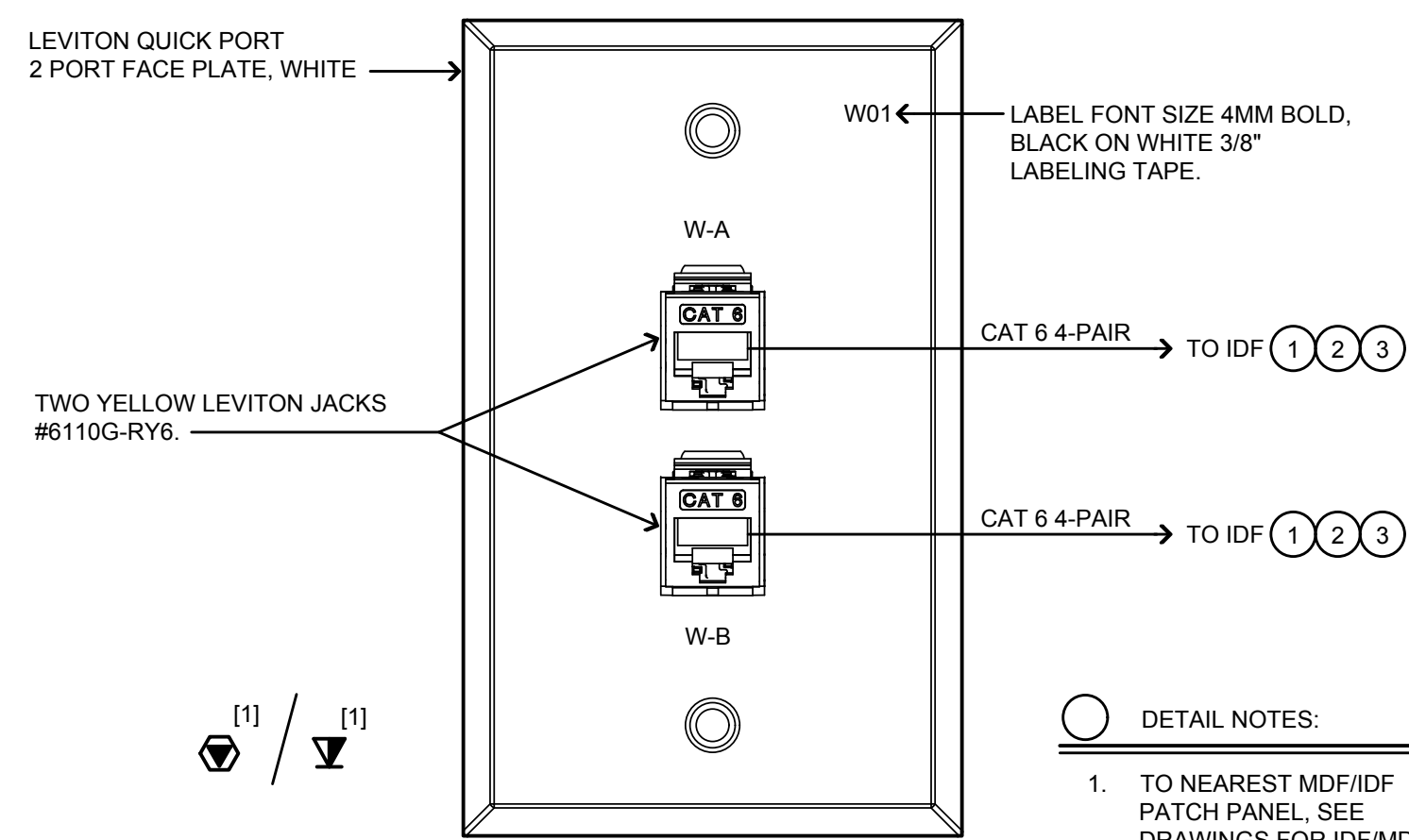
## 9 J-HOOK MOUNTING DETAIL

NO SCALE



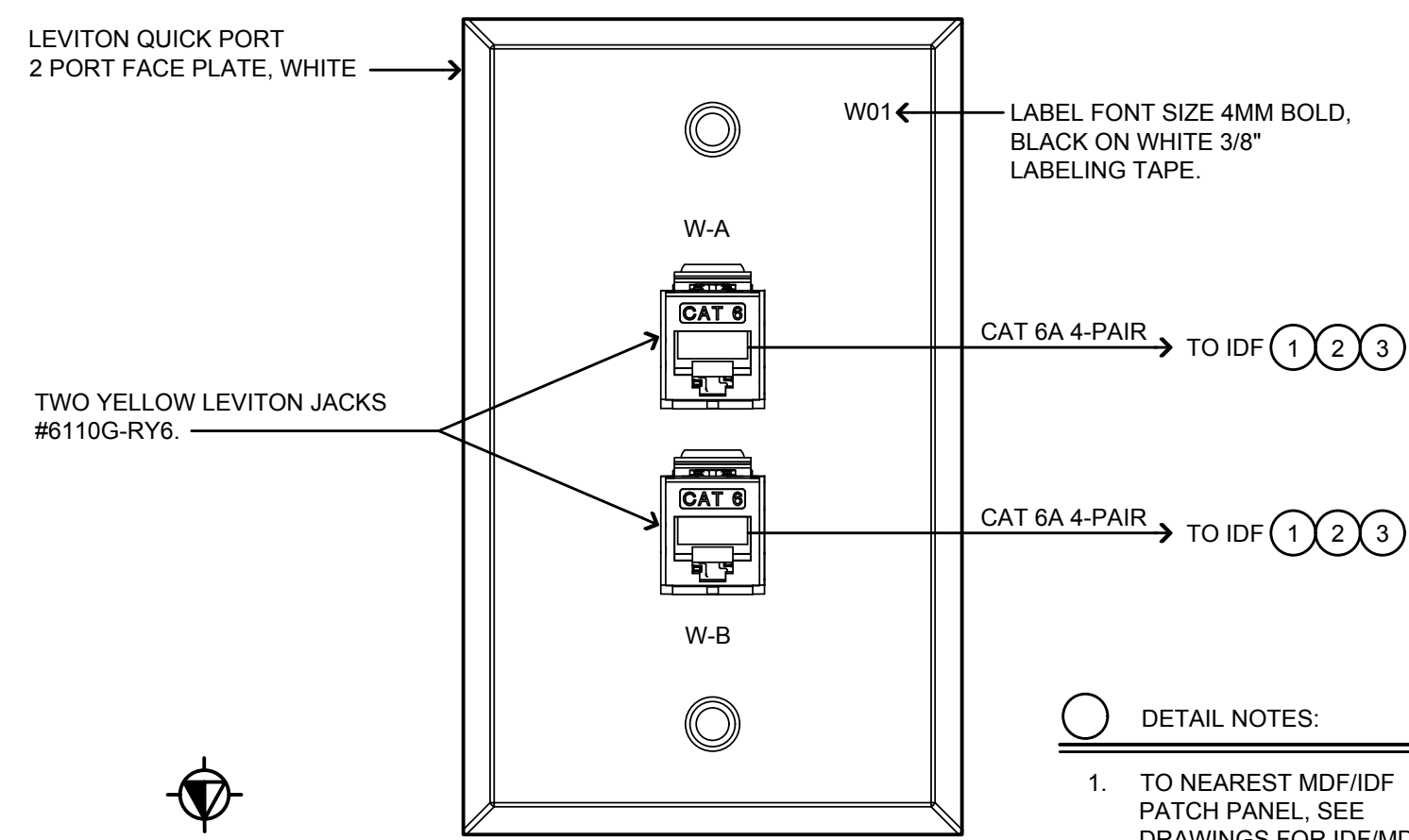
## 8 WORKSTATION OUTLET

NO SCALE



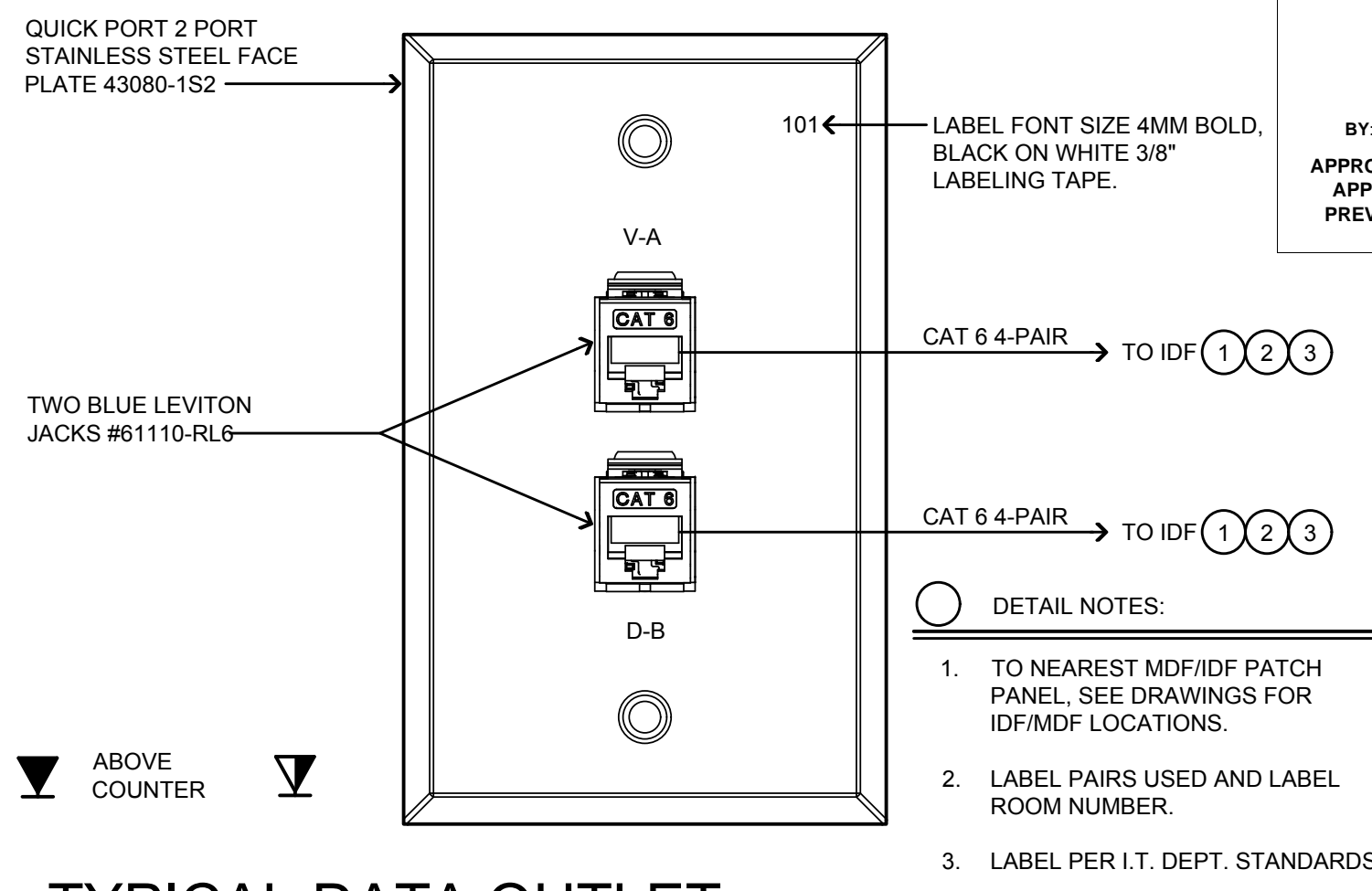
## 7 VAPE/CCTV OUTLET

NO SCALE



## 6 WIRELESS OUTLET

NO SCALE



## 5 TYPICAL DATA OUTLET

NO SCALE

