



380 Pacific Street
San Luis Obispo, CA 93401
Phone: (408) 963-5710

Addendum No. 02

File No. 40-H9
DSA Appl. No. 03-125793

Date: 8/5/2026

Project: **Nipomo High School Classrooms**
525 N. Thompson Ave
Nipomo, CA, 93444
Lucia Mar Unified School District

LMUSD Project #: 5102
LMUSD Bid No. 26-16

1. This Addendum shall supersede all previously issued Contract Documents wherein it modifies same. All other conditions of the Contract remain unchanged. The following changes, additions, or deletions as set forth herein shall apply to the Contract Documents and shall be made a part thereof and shall be subject to all the requirements thereof as though originally shown and/or specified.
2. Bidders shall acknowledge receipt of this Addendum on Bid Form.
3. SPECIFICATION REVISIONS

(none)
4. DRAWING REVISIONS

Item 4.1 Reference Electrical Sheets:

E0.1 Electrical General Notes
E0.2 Single Line Diagram
E0.3 Electrical Schedules
E0.4 Electrical Schedules
E0.7 Electrical Details
E0.8 Electrical Details
E0.9 Electrical Details
E1.0 Electrical Site Plan
E1.2 Fire Alarm Fiber Optic Site Plan
E2.1 Power and Comm Floor Plan - Bldg 122
E2.2 Power and Comm Floor Plan - Bldg 121
E2.3 Power and Comm Floor Plan - Bldg 120
E3.1 Lighting Plan - Bldg 122
E3.3 Lighting Plan - Bldg 120
E5.2 Fire Alarm Floor Plan – Bldg 121
E5.4 Fire Alarm Riser Diagram
E5.5 Fire Alarm Details
T0.0 General Communication Notes, Basis of Design
T0.1 Communications Riser Diagram

REPLACE: Entire Sheet with attached sheets as listed.

Addendum No. 02

Project Name: Nipomo HS Classrooms

DSA Appl. No. 03-125793

5. CLARIFICATIONS

Note: Bidding RFIs received after addendum # 1 are responded to below:

1. Fire sprinklers: Not required in this project, no fire sprinkler design is included.
2. Wall insulation: R-19 batt insulation is required at all exterior 2x6 walls. Please disregard the R-25 callout in the wall type details and follow the specs and general note 'C' on the Floor plans.
3. Rough Carpentry Specifications: Please see drawing sheet S0.3 for carpentry and framing specifications.
4. Exterior cement plaster finish: Shall be basic sand float 20/30 finish.

6. ATTACHMENTS

Narrative

Electrical drawing changes narrative letter (3 pages).

Drawings (19 pages):

E0.1 Electrical General Notes
E0.2 Single Line Diagram
E0.3 Electrical Schedules
E0.4 Electrical Schedules
E0.7 Electrical Details
E0.8 Electrical Details
E0.9 Electrical Details
E1.0 Electrical Site Plan
E1.2 Fire Alarm Fiber Optic Site Plan
E2.1 Power and Comm Floor Plan - Bldg 122
E2.2 Power and Comm Floor Plan - Bldg 121
E2.3 Power and Comm Floor Plan - Bldg 120
E3.1 Lighting Plan - Bldg 122
E3.3 Lighting Plan - Bldg 120
E5.2 Fire Alarm Floor Plan – Bldg 121
E5.4 Fire Alarm Riser Diagram
E5.5 Fire Alarm Details
T0.0 General Communication Notes, Basis of Design
T0.1 Communications Riser Diagram

END OF ADDENDUM No. 02



August 5, 2026

Finney Architects
380 Pacific Avenue
San Luis Obispo, CA

Attn: John Tischler

Re: LMUSD Nipomo HS – Classroom Building
Electrical Addendum 02 updates

Dear John:

We have prepared the following updates to our plans for issuance as part of Addendum 02.

Sheet E0.1:

- Addressed typo on sheet index for sheet E-1.2.

Sheet E0.2:

- Transformer grounding detail added to sheet and detail callout added to transformer.
- Added reference note 12 and included callouts on single line diagram.
- Transformer basis of design added to reference note 5.
- Mechanical lug basis of design updated on reference note 6.

Sheet E0.3:

- DP6 circuit 27 was removed.

Sheet E0.4:

- Revised panel schedule DP9-29/31 where incorrect annotation was included on circuit 31. No design change intended.
- Updated OCPD on panel 'P17', circuit 2/4 to 50A.
- Circuit DP12-25 was removed.

Sheet E0.7:

- Detail cross-reference updated for ground conductor on detail 4.
- Detail 7 updated to remove conflicting information with reference note 4 within detail and reference note 5 was removed.

Sheet E0.8:

- Updated detail 7 leader callouts for reference note 3 to point to the correct conduits.
- Updated reference note 11 on detail 7 to match mounting requirements for duplex receptacle.
- Updated reference note 4, to reference the correct detail callout.

Sheet E0.9

- Reference note 4 was updated.

Sheet E1.0:

- Updated leader callout for reference note 3 to point to the correct conduits.
- Tag for 'FATC122' was added.

3562 Empleo, Ste.C - P.O.Box 1167
San Luis Obispo, California 93406
(805) 543-3850 FAX (805) 543-3829
E-mail – jchachagua@thomaelec.com

- Conduit routing for 'C120' was updated.
- Reference note number 1 was added.
- Reference notes 4, 12, and 14 were updated to fix typo's.
- Detail callout on reference note 7 was updated.

Sheet E1.2:

- Reference notes 3, 6, and 7 were updated to fix typo's.
- Detail callout on reference note 7 was updated. Enclosure basis of design was updated.

Sheet E2.1:

- Updated leader callout for reference note 1 & 2 on classroom 12.
- Clarify that IDF cabinet enclosure will be mounted above ceiling.
- Detail callout on reference note 9 was updated.
- Disconnect switch added for connection from mechanical units powering indoor units.

Sheet E2.2:

- Updated leader callout for reference note 1 & 2 on classroom 9.
- Panel designation and circuit callout for FC-7 was updated.
- Detail callout on reference note 8 was updated.
- General Power Notes, note D was updated to include spare conduit for every 5 spare breakers as supposed to 3.
- Disconnect switch added for connection from mechanical units powering indoor units.

Sheet E2.3:

- Circuit callout for HP-1 and FC 6 was corrected.
- Clarify that IDF cabinet enclosure will be mounted above ceiling.
- Updated leader callout for reference note 1 & 2 on classroom 1.
- Disconnect switch added for connection from mechanical units powering indoor units.

Sheet E3.1

- Exterior lights branch circuit updated. Exterior lights shall route through 'LTC' in building 121.

Sheet E3.3

- Exterior lights branch circuit updated. Exterior lights shall route through 'LTC' in building 121.
- Added reference notes 1, 2, and 7 to plans.

Sheet E5.2

- Remote power supply 'RPS' and 'INX' ID name tag updated.

Sheet E5.4

- Fire alarm riser was updated, specifically, fiber routing information between patient care and annunciation panel.
- Note for fiber routing from patient care and new classroom building added.
- Fire Alarm Terminal Cabinets '120, and '122' added to riser.

Sheet E5.5

- Detail 8 enclosure type, bushing and LIU requirements have been updated.

Sheet T0.0:

- Responsibility matrix updated for exterior cameras and camera mounts to 'OFCI'.
- Receptacles for IDF updated on Basis of design to 'L5-30'.

Sheet T0.1:

- Reference notes added to Riser diagram and various locations.
- Reference note 7 updated. Remove color spec, as this is already shown on Telecommunication device cable and rough-in schedule on T0.0.
- Fiber run added to detail 1 to clarify routing from MDF to new building classroom.

Sincerely,



Jairo Chachagua
Thoma Electric, Inc.

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POWER PLAN NOTES

- A. FUSING: ALL FUSIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL-ELEMENT TIME DELAY TYPE FUSES SIZED AND RATED PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.
- B. INSTALL SEPARATE NEUTRALS FOR EACH 120V BRANCH CIRCUIT.
- C. MOTOR OVERLOAD PROTECTION: WHERE REQUIRED BY CEC ARTICLE 430 PART III AND NOT SHOWN ON PLAN OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL MOTORS.
- D. SPARE CONDUIT FOR RECESSED PANELS: PROVIDE (1) 3/4" SPARE CONDUIT STUB UP TO ACCESSIBLE ABOVE CEILING SPACE AND/OR ACCESSIBLE SPACE BELOW FOR EVERY (5) SPARE BREAKER SPACES AS INDICATED ON PANEL SCHEDULES.
- E. DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.
- F. ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS.
- G. ALL 125V AND 250V, 15- AND 20-AMPERE NONLOCKING-TYPE RECEPTACLES WITHIN COMMON AREAS SHALL BE TAMPER-RESISTANT PER CEC 406.12.

LIGHTING PLAN NOTES

- A. NIGHT LIGHT "NL" DESIGNATED LUMINAIRES IN INTERIOR LOCATIONS SHALL HAVE THE DRIVER CONTINUOUSLY ENERGIZED. LUMINAIRES IN EXTERIOR LOCATIONS SHALL BE AUTOMATICALLY CONTROLLED TO BE ON FROM DUSK TO DAWN.
- B. LIGHTING FIXTURE LOCATIONS SHOWN ARE SCHEMATIC. REFER TO ARCHITECTURAL PLANS (REFLECTED CEILING, ELEVATIONS, ETC.) FOR EXACT LOCATIONS AND MOUNTING HEIGHTS PRIOR TO ROUGH-IN.
- C. REFER TO ARCHITECT'S REFLECTED CEILING PLAN(S) FOR CEILING HEIGHTS, TYPES, FINISHES, ETC. IN EACH AREA. VERIFY FLANGE TYPES, TRIM KITS, STEM LENGTHS, ETC. FOR ALL FIXTURES PRIOR TO SUBMITTALS.
- D. CONFIRM LOCATION OF ALL DOORS SWINGS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN OF SWITCHES.
- E. PROVIDE UNSWITCHED HOT LEG OF ROOM LIGHTING BRANCH CIRCUIT TO EACH BATTERY POWERED EMERGENCY LIGHT AND EXIT SIGN FOR CONTINUOUS CHARGING.

LIGHTING CONTROL GENERAL NOTES

- A. CONTRACTOR TO PROVIDE COMPLETE MANUFACTURERS SHOP DRAWINGS SPECIFIC TO THIS PROJECT FOR THE INTERIOR AND EXTERIOR LIGHTING CONTROL SYSTEM.
- B. VERIFY OCCUPANCY SETTING FOR EACH TYPE OF ROOM WITH OWNER AND ADJUST AS DIRECTED BY OWNER.
- C. VERIFY EACH RELAY PROGRAMMING WITH OWNER AND PROGRAM EACH AS DIRECTED BY OWNER.
- D. PROVIDE OWNER IN SERVICE TRAINING FOR LIGHTING CONTROL SYSTEM.
- E. WHERE MULTIPLE CHANNEL CONTROLS HAVE BEEN PROVIDED IN A ROOM OR SPACE, VERIFY FIXTURE ZONING REQUIREMENTS WITH OWNER PRIOR TO PRODUCING SHOP DRAWINGS AND INSTALLATION.
- F. FOR CLARIFICATION ALL REQUIRED LOW VOLTAGE CONTROL DEVICES AND CABLING MAY HAVE NOT BEEN SHOWN, CONTRACTOR TO PROVIDE ALL LOW VOLTAGE DEVICES AND CABLING AS REQUIRED TO MAKE CONTROL SYSTEMS FULLY FUNCTIONAL.

CONDUIT SYSTEM NOTES

CONDUIT SYSTEMS USED ON THIS PROJECT SHALL BE AS FOLLOWS

1. PVC SCHEDULE 40 OR 80 - UNDERGROUND/BELOW SLAB WITH GRS ELBOWS AND RISERS TAPE WRAPPED.
2. ELECTRICAL METALLIC CONDUIT (EMT) - ABOVE GRADE/SLAB IN BUILDING CONSTRUCTION AND WHERE EXPOSED ABOVE 8'-0" AFF.
3. GALVANIZED RIGID STEEL (GRS) - WHERE EXPOSED BELOW 8'-0" AFF. AND/OR WHERE SUBJECT TO PHYSICAL DAMAGE.

REFER TO SECTION 2620533 & 2620600 OF SPECIFICATIONS FOR ADDITIONAL INFORMATION. CONDUITS SHALL BE MINIMUM 1/2" UNLESS OTHERWISE NOTED, 3/4" FOR ALL HOME RUN CONDUITS AND WHERE ROUTED BELOW SLAB OR UNDERGROUND. CONDUIT SIZES, WHERE NOT NOTED ON THE DRAWINGS, SHALL BE NOTED FOR MAXIMUM 40% FILL PER CEC 310.6. ADDITIONAL CONDUIT REQUIREMENTS.

GENERAL NOTES

1. CODE COMPLIANCE: ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH CODES, STANDARDS, AND ORDINANCES AS SET FORTH BY THE AUTHORITIES HAVING JURISDICTION AND THEIR LATEST ADOPTED EDITIONS (IN EFFECT AT TIME OF BUILDING PERMIT APPLICATION) OF THE FOLLOWING PUBLICATIONS: A. CALIFORNIA CODE OF REGULATIONS (TITLE 24, INCLUDES 2022 CALIFORNIA ELECTRICAL CODE, 2022 CALIFORNIA FIRE CODE, 2022 CALIFORNIA BUILDING CODE, ETC. WITH DSA AMENDMENTS AS APPLICABLE.	SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA, THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.
2. SAFETY: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EQUIPMENT IN A SAFE AND RESPONSIBLE MANNER. KEEP DEAD FRONT EQUIPMENT IN PLACE WHILE EQUIPMENT IS ENERGIZED. CONDUCT ALL CONSTRUCTION OPERATIONS IN A SAFE MANNER FOR EMPLOYEES AS WELL AS OTHER WORKERS AND ANYONE VISITING THE JOB SITE. PROVIDE BARRIERS, FLAGS, TAPE, ETC. AS REQUIRED FOR SAFETY. THE CONTRACTOR SHALL HOLD ALL PARTIES HARMLESS OF NEGLIGENT SAFETY PRACTICES, WHICH MAY CAUSE INJURY TO OTHERS ON OR NEAR THE JOB SITE.	<u>PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE.</u> PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE NOTED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE SECTION 7.13.3.2, DEFINED IN ASCE 7 SECTIONS 13.5.6, 13.6.6, 13.6.7, AND 13.6.8, AND 2022 CBC SECTIONS 1617.1.3.1.2, 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.
3. FIRE RATED ASSEMBLIES SHALL MAINTAIN RATINGS AS SPECIFIED IN THE CALIFORNIA BUILDING CODE CHAPTER 7. CONTRACTOR SHALL PROVIDE AND INSTALL PHYSICAL ENCLOSURE AROUND FIXTURES, PANELS, ETC. AS REQUIRED. ALL ASSEMBLIES TO BE PENETRATED SHALL BE INSTALLED WITH APPLICABLE THROUGH PENETRATION FIRESTOP SYSTEMS AS DETERMINED BY UL CLASSIFICATION. BEFORE CONSTRUCTION, VERIFY THE COMPLY WITH REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISDICTION.	MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):
4. MOUNTING HEIGHTS SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED: +15" AFF: RECEPTACLES, TELEPHONE, TV & DATA OUTLETS, (MEASURED BOTTOM OF OUTLET BOX) +48" AFF: OUTLET ABOVE COUNTER (MEASURED TOP OF OUTLET BOX) +48" AFF: LIGHT SWITCHES, (MEASURED TOP OF OUTLET BOX) +48" AFF: FIRE ALARM MANUAL PULL STATIONS, T-STATS, (MEASURED TOP OF OUTLET BOX) THE LOWER OF +80" AFF TO BOTTOM OF LENS, OR 6" BELOW CEILING, FIRE ALARM VISUALS.	MP ☐ MD ☐ PP ☐ E ☒ OPTION 1: PROJECT SPECIFIC DESIGN. DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. REFER TO DETAILS ON SHEETS E0.6 THROUGH E0.9. MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: DESIGN BASED ON OSHPO OPM, WITHIN PROJECT SUBMITTAL. MP ☐ MD ☐ PP ☐ E ☐ OPTION 3: DESIGN BASED ON OSHPO OPM, DEFERRED SUBMITTAL.

MP ☐ MD ☐ PP ☐ E ☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

MECHANICAL SYSTEMS

5. PULLROPES: ANY RACEWAY WITHOUT CABLE OR WIRE SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AND LARGER IF REQUIRED BY SERVING UTILITY COMPANY. ANY NEW OR EXISTING COMMUNICATION OR SIGNAL RACEWAY ROUTED BETWEEN BUILDINGS, SIGNAL CABINETS AND/OR SIGNAL CLOSETS WITH FUTURE CAPACITY SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AS WELL AS THE CALLED FOR CABLE.

CIRCUITING LEGEND

LIGHTING PLAN

FIXTURE TYPE

PANEL DESIGNATION — B-1.a

CIRCUIT NUMBER

SWITCHLEG DESIGNATION (WHERE SHOWN)

- PROVIDE ALL BRANCH CIRCUIT WIRING FROM FIXTURES TO PANEL(S) AS DESCRIBED BY CIRCUIT NUMBERS SHOWN.
- PROVIDE ALL WIRING BETWEEN FIXTURES AND CONTROL DEVICES AS DESCRIBED IN REFERENCE NOTES AND/OR SHOWN BY SWITCHLEG DESIGNATIONS.
- EXIT AND EMERGENCY LIGHT FIXTURES SHALL BE CONNECTED TO AN UNSWITCHED BRANCH CIRCUIT CONDUIT.
- HOME RUN CONDUITS SHALL BE 3/4". MAX OF (3) BRANCH CIRCUITS PER CONDUIT.
- PROVIDE ALL BRANCH CIRCUIT WIRING FROM MECH. EQUIPMENT TO PANELS.

POWER PLAN

CONTROLLED RECEPTACLE (IF APPLICABLE)

SEE LIGHTING CONTROL DETAIL FOR ADDITIONAL INFORMATION

CIRCUIT NUMBER

BRACKETS ([]) DENOTE EXISTING CIRCUIT.

DEVICE TYPE

SEE LEGEND

MOUNTING HEIGHT: (WHERE NON-STANDARD)

W = 48" ABOVE FINISHED FLOOR

M = ABOVE COUNTER TOP (COORDINATION REQUIRED)

TV = MOUNT AT TV HEIGHT (COORDINATION REQUIRED)

CLG = CEILING MOUNT

SPECIAL CONFIGURATION:

WP = "WEATHER PROOF" PROVIDE WHILE IN USE COVER

GFI = GROUND FAULT CIRCUIT INTERRUPTED

IGS = ISOLATION GROUND

GWS = GANG WITH SWITCH

- PROVIDE ALL BRANCH CIRCUIT WIRING FROM DEVICES TO PANEL(S) PER DESIGNATIONS/CIRCUIT NUMBERS.
- EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AS INDICATED ON PANEL SCHEDULES.
- HOME RUN CONDUITS SHALL BE 3/4". MAX OF (3) BRANCH CIRCUITS PER CONDUIT.
- INCREASE HOME RUN CONDUIT SIZE TO 1" FOR (4) BRANCH CIRCUITS OR MORE.
- (**) DENOTES SPECIAL DEVICENAMEPLATE REQUIREMENTS.

TYPICAL LIGHTING CONTROL PANEL CIRCUIT CONVENTION

NOTE: THE INTENT OF THE DRAWINGS IS TO SHOW FIXTURE / DEVICE LOCATIONS AND PANEL DESIGNATIONS. ALL BRANCH CIRCUIT WIRING, MEETING THE CRITERIA NOTED ABOVE, WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. LIGHTING AND POWER PLANS SHOW AN ABOVE CEILING JUNCTION BOX / HOME RUN WITH CIRCUIT NUMBERS BY FIXTURES / DEVICES. PROVIDE ALL BRANCH CIRCUITS AS REQUIRED FOR A COMPLETE INSTALLATION. DOCUMENT ALL BRANCH CIRCUITING ON AS-BUILT DRAWINGS ACCURATELY REFLECTING THE INSTALLATION.

[illegible]

LUCIA MAR UNIFIED SCHOOL DISTRICT STANDARDS

ALL WORK SHALL COMPLY WITH LUCIA MAR UNIFIED SCHOOL DISTRICT STANDARDS, CONTRACTOR TO CONTACT SCHOOL DISTRICT DIRECTLY, OBTAIN COMPLETE LIST OF DISTRICT STANDARDS, AND ADHERE ACCORDINGLY.

SHEET INDEX

SHEET NO.	NEW CLASSROOM BUILDINGS AT NIPOMO HIGH SCHOOL
E0.1	ELECTRICAL GENERAL NOTES, LEGEND, AND ABBREVIATIONS
E0.2	SINGLE LINE DIAGRAM
E0.3	ELECTRICAL SCHEDULES
E0.4	ELECTRICAL SCHEDULES
E0.5	LUMINAIRE SCHEDULE
E0.6	ELECTRICAL DETAILS
E0.7	ELECTRICAL DETAILS
E0.8	ELECTRICAL DETAILS
E0.9	ELECTRICAL DETAILS
E0.10	TITLE 24 COMPLIANCE DOCUMENTATION - BUILDING 120
E0.11	TITLE 24 COMPLIANCE DOCUMENTATION - BUILDING 121
E0.12	TITLE 24 COMPLIANCE DOCUMENTATION - BUILDING 122
E0.13	TITLE 24 COMPLIANCE DOCUMENTATION - SITE
E1.0	ELECTRICAL SITE PLAN
E-1.1	ELECTRICAL SITE PLAN
E-1.2	FIRE ALARM FIBER OPTIC SITE PLAN
E2.1	POWER AND COMMUNICATION FLOOR PLAN BUILDING 122
E2.2	POWER AND COMMUNICATION FLOOR PLAN BUILDING 121
E2.3	POWER AND COMMUNICATION FLOOR PLAN BUILDING 120
E3.1	LIGHTING & CONTROL FLOOR PLAN BUILDING 122
E3.2	LIGHTING & CONTROL FLOOR PLAN BUILDING 121
E3.3	LIGHTING & CONTROL FLOOR PLAN BUILDING 120
E5.1	FIRE ALARM FLOOR PLAN BUILDING 122
E5.2	FIRE ALARM FLOOR PLAN BUILDING 121
E5.3	FIRE ALARM FLOOR PLAN BUILDING 120
E5.4	FIRE ALARM RISER DIAGRAM
E5.5	FIRE ALARM DETAILS
E5.6	FIRE ALARM CALC'S
T0.0	GENERAL COMMUNICATION NOTES, BASIS OF DESIGN
E1.2	COMMUNICATIONS RISER DIAGRAM

LIGHT FIXTURES	POWER/COMM.	CONDUIT/WIRE
CEILING SURFACE-MOUNT PENDANT MOUNT RECESSED DOWNLIGHT RECESSED WASHLIGHT RECESSED FIXTURE STRIP FIXTURE TRACK LIGHT DIRECTIONAL FLOOD EMERGENCY FIXTURE POLE LIGHT UPLIGHT-FLUSH-IN GRADE BOLLARD TANDEM-WIRED LAMPS UNDERCABINET LIGHT WALL SURFACE-MOUNT LINEAR TYPE PENDANT LINEAR FIXTURE RECESSED WALLMOUNT WALLPACK EXIT LIGHT-WALL EXIT LIGHT-CEILING (ARROW INDICATES DIRECTION) LETTER ADJACENT INDICATES FIXTURE TYPE	SINGLE RECEPT. DUPLEX RECEPT. DUPLEX- HALF SWITCHED DOUBLE DUPLEX- HALF SWITCHED DOUBLE DUPLEX SPECIAL CONFIGURATION FLOORMOUNT 208V, 10 RECEPT DUPLEX- FLOOR OUTLET GROUND FAULT CIRCUIT INTERRUPTER MOUNTED ABOVE COUNTER JUNCTION BOX TELEPHONE OUTLET DATA OUTLET PHONE/DATA COMBO OUTLET MOUNTED ABOVE COUNTER TELEVISION OUTLET SAFETY DISCONNECT DROP CORD RECEPT ABOVE-CLG-MOUNT-J-BOX TV OUTLET-FLOORMOUNT TELEPHONE-FLOOR OUTLET DATA FLOOR OUTLET PHONE/DATA COMBO FLOOR OUTLET INTERMEDIATE DISTRIBUTION FRAME MAIN DISTRIBUTION FRAME ACCESS POINT	NEW UNDERGROUND NEW POWER HOMERUN (3 SHOTS & NEUT SHOWN) ISOLATED GROUND EXISTING TO REMAIN (E) POWER HOMERUN WIRE LINE- CONTINUES CONDUIT STUB (W/MARKERS) VERTICAL CONDUIT RUN CONDUIT SEAL FLEXIBLE CONNECTION LOW VOLTAGE SURFACE-MOUNT RACEWAY INDICATES LINE CONTINUES CORD W/LOOP
		FIRE ALARM
		FIRE ALARM CONTROL PANEL RPS REMOTE POWER SUPPLY HORN-AUDIBLE DEVICE VISUAL DEVICE AUDIBLE/VISUAL SPEAKER/SIREN FLOW SWITCH TAMPER SWITCH MANUAL PULL STATION SMOKE DETECTOR DUCT SMOKE DETECTOR SMOKE/CO DETECTOR HEAT DETECTOR BELL END OF LINE RESISTOR CHIME
SWITCHES	MISCELLANEOUS	
SPST 3-WAY 4-WAY DIMMER TIMER SWITCH WET/DRY OVERLOAD WP/PILOT LIGHT KEY OPERATED DUAL LEVEL SWITCHING SWITCHED DEACTIVATION OCCUPANCY SENSOR	MOTOR THERMOSTAT CIRCUIT BREAKER FUSIBLE SWITCH GROUND PHASE CLOCK CLOCK/SPEAKER COMBINATION WALL MOUNTED CLOCK PUSHBUTTON	

ELECTRICAL GENERAL NOTES, LEGEND, AND ABBREVIATIONS

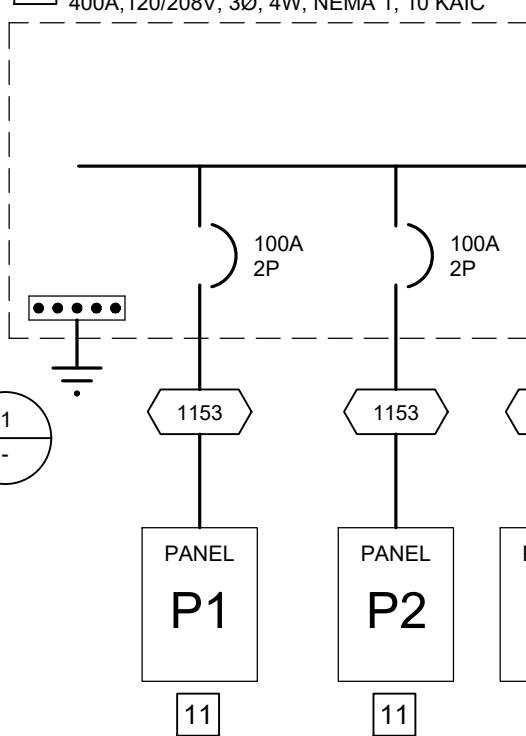
NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

E0.1

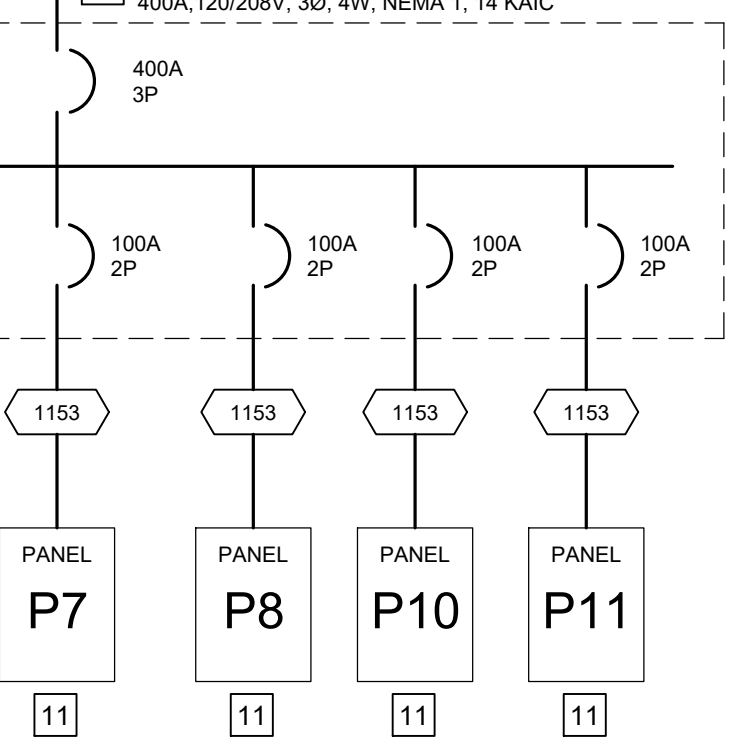
(E) 'WMSB' LOAD-CALC:
EXISTING PEAK DEMAND LOAD (PEAK CURRENT 492A) = 409 KVA
(PER CEC 220.87)
+ ADDITIONAL 25% OF 'WMSB' DEMAND = 511 KVA
NEW BUILDING ADDED LOAD = 316.3 KVA
WMSB NEW CALCULATED LOAD = 828 KVA
950A @ 277/480V, 3PH
THE CALCULATED LOAD ON 'WMSB' AFTER THE ADDITION OF THE MECHANICAL LOAD DOES NOT EXCEED THE RATING OF THE 2000AMP MAIN CIRCUIT BREAKER IN SWITCHBOARD. 'WMSB' HAS ADEQUATE CAPACITY TO SERVE THE ADDED LOAD.

'T122' DEMAND LOAD-CALC:
PANEL 'P1', 'P6', 'P14', 'P15' RECEPTACLE LOAD (4) '2,520' = 10.0 KVA
PANEL 'P2', 'P3', 'P7' RECEPTACLE LOAD (5) '2,340' = 11.7 KVA
PANEL 'P10', 'P11', 'P12', 'P16', 'P17' (2,520 + 9.18 + 2.52) = 14.22 KVA
'DPR' + 'DPR' + 'DPR12'
TOTAL RECEPTACLE LOAD 47.62 KVA
DEMAND PER CEC TABLE 220.47 15.1 KVA @ 100%
REMAINDER @ 50% (47.62-10)*.5 = 18.8 KVA
316.3 KVA
+ 47.62 KVA
+ 18.7 KVA
= 382.6 KVA
'T122' NEW CALCULATED LOAD
THE CALCULATED LOAD ON 'T122' AFTER THE LOAD ADDITION DOES NOT EXCEED THE 300 KVA RATING. 'T122' HAS ADEQUATE CAPACITY TO SERVE THE ADDED LOAD.

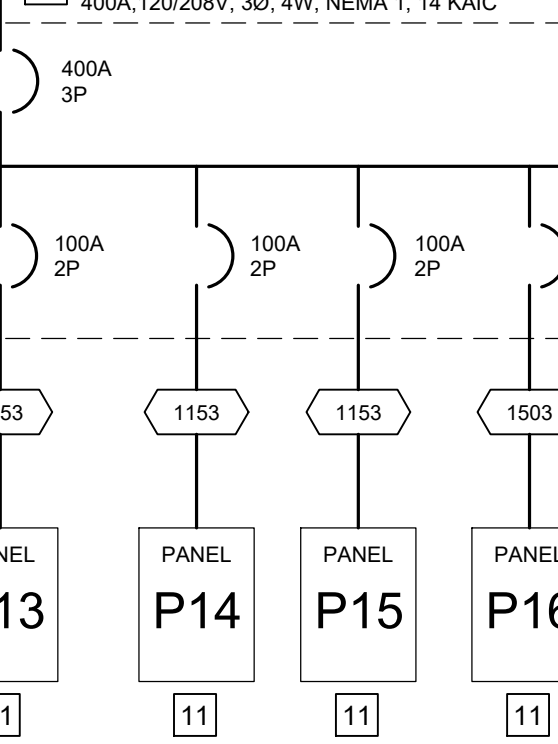
10 DISTRIBUTION PANEL 'DP6'
400A, 120/208V, 3Ø, 4W, NEMA 1, 10 KAIC



10 DISTRIBUTION PANEL 'DP9'
400A, 120/208V, 3Ø, 4W, NEMA 1, 14 KAIC



10 DISTRIBUTION PANEL 'DP12'
400A, 120/208V, 3Ø, 4W, NEMA 1, 14 KAIC



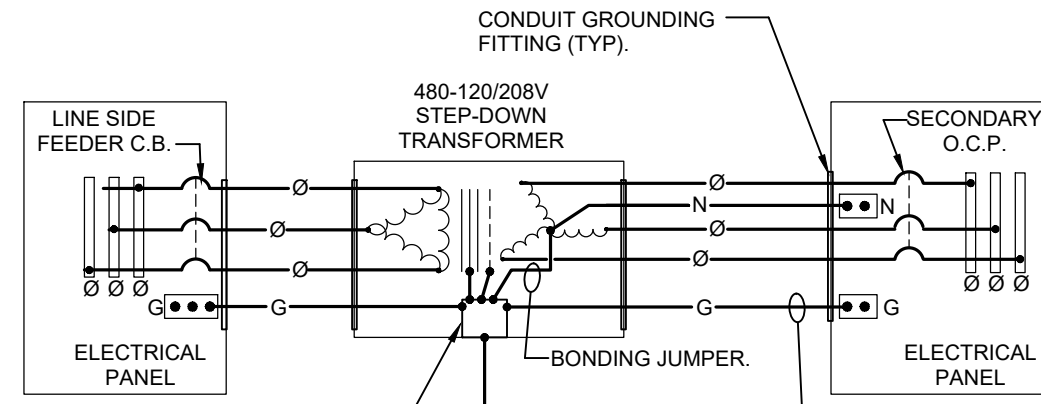
ALL EQUIPMENT IS EXISTING U.O.N.

COPPER FEEDER SCHEDULE

FEEDER NO.	RACEWAY QUANTITY/SIZE	CONDUCTORS
E1	(E) (1) 2" C	(E) (3) #2 THWN & (1) #6 GND.
1153	(1) 1-1/2" C	(3) #2 THWN & (1) #6 GND.
(E)	EXISTING	EXISTING FEEDER AND CONDUIT SHALL REMAIN
1503	(1) 2" C	(3) #10 THWN & (1) #6 GND.
4004	(2) 3" C	(4) #30 THWN & (1) #3 GND. EACH
4603	(2)(E) 2" C	(3) #40 KCMIL THWN & (1) #2 GND. EACH
10254	(3) 4" C	(4) #400 KCMIL THWN & (1) #20 GND. EACH

SCOPE OF WORK

1

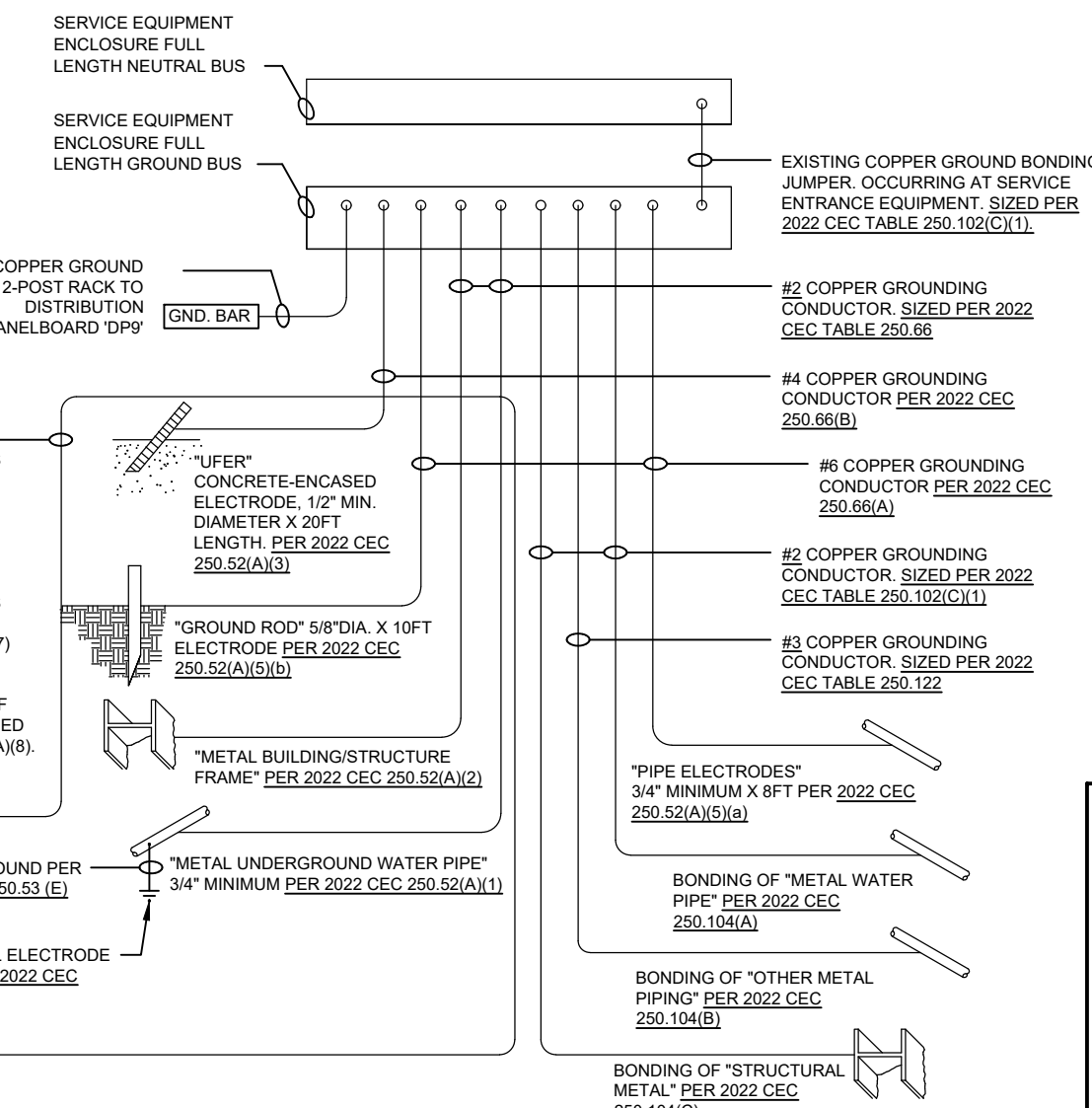


ALL GROUNDING CONN. MADE AT COMMON POINT GROUNDING ELECTRODE CONDUCTOR SIZED PER 250.66
TO GROUND BAR IN ELECTRICAL ROOM, GROUND PER CEC 250.30(A)(3) AND BONDED PER CEC 250.124(D)

NOTE:
1. SEE BUILDING SINGLE LINE DIAGRAM FOR TRANSFORMER RATING, GROUND CONDUCTOR AND FEEDER SIZES.

3 TYP. TRANSFORMER GROUNDING DETAIL

SCALE: NTS



NOTES:

- GROUND RINGS NOT SHOWN. SEE 2022 CEC 250.52(A)(4).
- PLATE ELECTRODES NOT SHOWN. SEE 2022 CEC 250.52(A)(7).
- OTHER LISTED ELECTRODES NOT SHOWN. SEE 2022 CEC 250.52(A)(8).
- ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BONDING) PROVIDE #6 BONDING JUMPER BETWEEN FRAMES IN ACCESSIBLE AREA.

1 TYPICAL GROUND BOND DETAIL

SCALE: NTS



Arc Flash And Shock Hazard Appropriate PPE Required

Do not operate controls or open covers without appropriate personal protection equipment.

Failure to comply may result in injury or death!

Refer to NFPA 70E for minimum PPE requirements

- ARC-FLASH HAZARD WARNING LABEL SHALL BE PROVIDED FOR ALL NEWLY INSTALLED ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, SWITCHGEAR, ENCLOSED PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS, THAT IS IN OTHER THAN DWELLING UNITS IN ACCORDANCE WITH CEC 110.16.

- AF LABEL SHALL FOLLOW HAZARD LABEL CONVENTION PER ANSI Z535/NFPA 70E

- PROVIDE DECAL WARNING LABEL WITH BLACK TEXT ON ORANGE BACKGROUND

REFERENCE NOTES

- EXISTING WEST MAIN SWITCHBOARD, SHALL REMAIN. RATING AS INDICATED.
- PROCURE AND INSTALL NEW CIRCUIT BREAKER IN EXISTING SWBD COMPLETE WITH ALL REQUIRED MOUNTING HARDWARE. BREAKER SHALL MATCH EXISTING SWITCHGEAR MANUFACTURER AND AIC RATING. PROVIDE WITH ALL REQUIRED COMPONENTS AND MODIFY DEAD-FRONT ASSEMBLY AS REQUIRED.
- SPARE BREAKER, SHALL REMAIN.
- NOT USED.
- NEW ENERGY EFFICIENT, DRY-TYPE TRANSFORMER 'T122'. TRANSFORMER RATING AS INDICATED (BASIS OF DESIGN: SQUARE D) PROVIDE WITH THE FOLLOWING:
 - NEMA 3R RATING ENCLOSURE.
 - 150 DEG. RISE.
 - 5% TAP VOLTAGE PROVISIONS.
 - NOISE AND ISOLATION PADS.
- CONTRACTOR SHALL PROVIDE MECHANICAL STACKED LUG PROVISION AS REQUIRED TO CONNECT FEEDERS FOR BUILDING DISCONNECTS. '120', '121', '122'. BOD: ILSCO PWM-6-750-12 OR ENGINEER APPROVED EQUAL.
- NEW FEEDER SHALL MEET CEC 240.21(B)(1) REQUIREMENTS. FEEDER SHALL NOT EXCEED 10-FEET.
- NEW HEAVY-DUTY AC DISCONNECT. RATING AS INDICATED. PROVIDE WITH NEMA 3R ENCLOSURE AND TYPE RK1 FUSES.
- NEW AC DISCONNECT. RATING AS INDICATED. PROVIDE WITH NEMA 3R ENCLOSURE AND RK1 FUSES.
- NEW BUILDING DISTRIBUTION PANELBOARD. REFER TO PANEL SCHEDULE FOR ADDITIONAL BREAKERS. RATING AS INDICATED.
- NEW CLASSROOM PANELBOARDS. RATING AS INDICATED.
- POWER VAULTS NOT SHOWN. REFER TO SITE PLAN.

SINGLE LINE DIAGRAM NOTES

- ALL CONDUCTORS SHALL BE COPPER WITH TYPE [THWN/THWN] INSULATION UNLESS OTHERWISE NOTED.
- ALL SWITCHES, CIRCUIT BREAKERS AND OTHER EQUIPMENT, AS SPECIFIED, SHALL HAVE TERMINATION PROVISIONS LISTED AND IDENTIFIED FOR USE WITH 75 DEG. CONDUCTORS, AND ALL FEEDER CONDUCTORS, AND CONDUITS, ARE SIZE BASED ON USE OF 75 DEG. C COPPER WIRES TYPE THWN/THWN.
- DESIGN SHOWN IS BASED ON SCHOOL DISTRICT STANDARDS SCHNEIDER ELECTRIC (SQUARE D) POWER DISTRIBUTION PRODUCTS. EATON MAY BE SUBSTITUTED IF PRE-APPROVED BY EOR AND ONLY IF SQUARE-D IS NOT AVAILABLE.
- ALL EQUIPMENT SHALL HAVE ARC FLASH LABELS PER DETAIL ON THIS SHEET.
- ALL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED [UL, CSA, ETC.] (CEC 110-2).
- REFER TO PANEL SCHEDULES FOR INDIVIDUAL BRANCH CIRCUIT VOLTAGE DROP AND/OR SINGLE LINE DIAGRAM FOR FEEDER VOLTAGE DROP CALCULATIONS.
- BRANCH CIRCUIT/FEEDER DISTANCE IS SHOWN FOR REFERENCE ONLY AS THE BASIS OF VOLTAGE DROP CALCULATIONS. CONDUCTOR DISTANCE AS INDICATED SHALL NOT BE USED FOR BIDDING/CONSTRUCTION PURPOSES. SHOULD THE FEEDER DISTANCE EXCEED THE LENGTH NOTED PER INSTALLATION CONDITIONS, NOTIFY THE ENGINEER OF RECORD. TYPICAL.

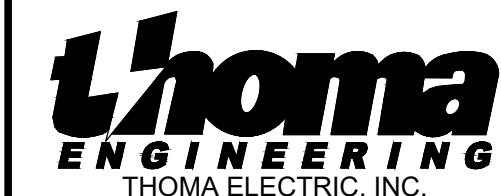
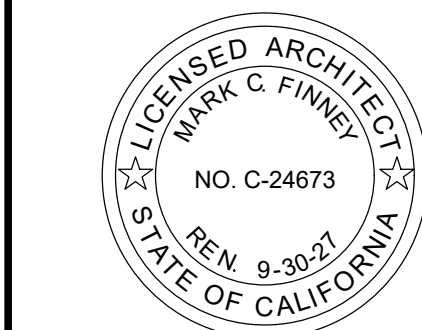
SINGLE LINE DIAGRAM

NO.	ITEM	DATE
1	ADDENDUM 1	07/22/26
2	ADDENDUM 2	08/05/26

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 09/30/2025

E0.2

REVISIONS



Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

[illegible]

BUS RATING: 100A 120/208V 1PH 3W MLO: MAIN LUGS ONLY 24 FULL SIZE IN/OUT ON CB SPACES 10 KACB PANEL										(N) PANEL P2 CONNECTED VA										FLUHMOUNT-NEW 1 LOCATION: CLASSROOM (2) WITH EQUIPMENT CAB BUS									
CKT NO	DRY (FT)	WET (FT)	ACR: SPACES	LOAD TYPE	CON TYPE	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE A	CON SIZE	POLES	TRIP	DESCRIPTION	CKT TYPE	LOAD TYPE	NOTES	DRY (FT)											
0.00%	45	8	R	1		CLASSROOM RECEPTACLES	20	1	12	720	8	2	50	HP-2P-C-2	2	M	5.8	45											
1.61%	65	8	R	3		CLASSROOM RECEPTACLES	20	1	12	3500	8	2	-		4	M	5.8	45											
1.46%	75	8	R	5		CLASSROOM RECEPTACLES	20	1	12	720	8	1	20	SPARE 6															
1.00%	100	1	L	7		CLASSROOM-LTG.	20	1	12	385	8	1	20	SPARE 8															
				9		SPARE				3750	8	2	-	FC-3 HEATER	10	M	5.8	40											
				11		SPARE				3750	8	2	-		12	M	5.8	40											
				13		SPARE								SPARE															
				15		SPARE								SPARE															
				17		SPARE								SPARE															
				19		SPARE								SPARE															
				21		SPARE								SPARE															
				23		SPARE								SPARE															
CON: 8726 8971										LOAD (VA) LOAD TYPE LEGEND																			
25751: 0 95										2340: 0 0																			
BURN: 0 0										385 L WKTNG (125% OF CONNECTED LOAD CIRC 215.2)																			
TOT: 8726 8967										14672 M MECHANICAL																			
AMPS 73 73										0 K KITCHEN APPLANCE																			
										0 N NON-CONTINUOUS MISC.																			
										0 C CONTINUOUS MISC (125% OF CONNECTED LOAD CIRC 215.2)																			

[illegible]

BUS RATING: 100A 120/208V 1PH 3W										(N) PANEL				FLESHMOUNT NEMA 1					
MLO: MAIN LUGS ONLY										LOCATION: CLASSROOM (4)				WITH EQUIPMENT GND BUS					
24 FULL SIZE INLT-ON CB SPACES										P4									
APRACES:										CONNECTED VA									
-10 KVAC PANEL																			
CKT	LOAD	IFT	NOTES	LOAD	DESCRIPTION	TRIP	POLES	COND SIZE	PHASE	COND SIZE	POLES	TRIP	DESCRIPTION	CKT	LOAD	IFT	NOTES	LOAD	IFT
0.80%	45	8	R	1	GLASS/IRON RECEPTACLES	20	1	12	720	300A	8	2	50	HPFC-4	2	M	5.8	80	1
1.61%	65	8	R	3	GLASS/IRON RECEPTACLES	20	1	12	900	300A	8	-	-	-	4	M	5.8	80	1
1.40%	75	8	R	5	GLASS/IRON RECEPTACLES	20	1	12	720		1	20		SPARE	6	M	5.8	80	1
1.00%	100	1	L	7	GLASS/IRON L.T.O.	20	1	12	385		1	20		SPARE	8	M	5.8	80	1
				9	SPARE	20	1		3765		8	2	-	FC4 HEATER	10	M	5.8	60	1
				11	SPARE				3765		8	-	-		12	M	5.8	60	1
				13	SPACE									SPACE					14
				15	SPACE									SPACE					16
				17	SPACE									SPACE					18
				19	SPACE									SPACE					20
				21	SPACE									SPACE					22
				23	SPACE									SPACE					24
										CON: 8726 8971				LOAD (VA) LOAD TYPE LEGEND					
										275%: 0 95				0 N RECEPTACLE					
										BURN: 0 0				385 L LIGHTN (125% OF CONNECTED LOAD CIRC 21.2)					
										TOTL: 8726 8867				14072 M MECHANICAL					
										AMPS 71 73				0 K KITCHEN APPLANCE					
														0 N NON-CONTINUOUS MISC.					
														2 C CONTINUOUS MISC. (150% OF CONNECTED LOAD CIRC 21.2)					

BUS RATING: 100A 120/208V 1PH 3W										(N) PANEL		FLUSH MOUNT, NEMA 1 LOCATION: CLASSROOM (B) WITH EQUIPMENT AND BUS					
MLO: MAN LISTS ONLY										P5							
24 FILL BUS IN/OUT ON CB SPACES																	
AC RATING: 10 KACIP PANEL																	
LOAD										CONNECTED VA							
CKT	NO	TRIP	POLES	COIL	SIZE	CON	SIZE	CON	SIZE	POLES	TRIP	DESCRIPTION	CKT	TYPE	NOTES	TRIP	
NO	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	
0.8%	45	8	R	1	CLASSROOM RECEPTACLES	20	1	12	720	8	2	50	HPF-CB	2	M	5.8	70
									800	8	-	-	4	M	5.8	70	
1.41%	66	8	R	3	CLASSROOM RECEPTACLES	20	1	12	720	8	1	20	SPARE	6	M	-	-
									385	1	20	SPARE	8	M	-	-	
1.46%	75	8	R	5	CLASSROOM RECEPTACLES	20	1	12	720	8	1	20	SPARE	8	M	-	-
1.66%	100	1	L	7	CLASSROOM LTG.	20	1	12	3750	8	2	45	FC-1 HEATER	10	M	5.8	40
				9	SPARE	20	1	12	3750	8	-	-	12	M	5.8	40	
				11	SPARE				3750								
				13	SPARE												
				15	SPARE												
				17	SPARE												
				19	SPARE												
				21	SPARE												
				23	SPARE												
CON: 8726 8971										LOAD (VA)		LOAD-TYPE LEGEND					
2752 0 96										385 R		RECEPTACLES					
2340 0 96										14872 M		MECHANICAL					
TOT: 8726 8967										385 L		LIGHTING (15% OF CONNECTED LOAD (CNC 215.2)					
AMPS 73 72										0 K		KITCHEN APPLIANCE					
										0 N		NON-CONTINUOUS MISC.					
										0		CONTINUOUS MISC. (15% OF CONNECTED LOAD (CNC 16.3)					

BUS RATING: 2000A 277/480V, 3PH, 4W

MAIN: 2000A MAIN CIRCUIT BREAKER

SPACES: 14 FULL SIZE R/O LON CR SPACES

A/C RATING: 05 A/Cs PANEL

(E) WEST MAIN SWITCHBOARD

WMSB

FREE STANDING, NEMA 1

LOCATION: EQUIPMENT ROOM 0

WITH EQUIPMENT AND BUS

COMBITEC TPA VA

CKT INVO	DIST FT/2	LOAD TYPE	CKT	DESCRIPTION	TRIP	POLES	COND RACE	PHASE A	PHASE B	PHASE C	COND RACE	POLES	TRIP	DESCRIPTION	CKT	LOAD TYPE	DIST FT/2	CKT INVO
	0.7	N	1	T122	SLD	3	-	SLD	100924			3	SLD	TR3PBL 300	2		9	
	0.7	N	1	-	-	-	-	-	111734			-	-	-				
	0.7	N	1	-	-	-	-	-	102055			-	-	-				
	0.7	N	1	-	-	-	-	-	SLD			-	-	-				
	9	FD	3	-	SLD	3	-	0	0	0	-	3	SLD	TR3SLB	2		9	
	9	3	-	-	-	-	-	-	0	0	0	-	-	-	4		9	
	9	-	-	-	-	-	-	-	0	0	0	-	-	-				
	9	-	-	-	-	-	-	-	0	0	0	-	-	-				
	9	TR05P00	-	SLD	3	-	-	0	0	0	-	3	SLD	SPARE	6		9	
	9	6	-	-	-	-	-	-	0	0	0	-	-	-				
	9	-	-	-	-	-	-	-	0	0	0	-	-	-				
	9	TR15P81	-	SLD	3	-	-	0	0	0	-	3	SLD	TR6DP00	8		9	
	9	7	-	-	-	-	-	-	0	0	0	-	-	-				
	9	TR05P00	-	SLD	3	-	-	0	0	0	-	3	SLD	TXPBL 200	10		9	
	9	9	-	-	-	-	-	-	0	0	0	-	-	-				
	9	TR20P82	-	SLD	3	-	-	0	0	0	-	3	SLD	TR7DP00	12		9	
	9	11	-	-	-	-	-	-	0	0	0	-	-	-				
	9	-	-	-	-	-	-	-	0	0	0	-	-	-				
	9	SPARE	-	SLD	3	-	-	0	0	0	-	3	SLD	TR5DP5	14		9	
	9	13	-	-	-	-	-	-	0	0	0	-	-	-				
	9	-	-	-	-	-	-	-	0	0	0	-	-	-				

CON: 100924 111734 102055

25%: 0 0 0

REB: 0 0 0

315140 TOT: 100924 111734 102055

154101 AMP: 364 404 371

LOAD (VA) LOAD TYPE (LEGEND)

0 R RECEPTACLE

0 L LIGHTING (25% OF CONNECTED LOAD CEC 215.2)

0 M MECHANICAL

0 K KITCHEN APPLIANCE

1 NON-CONTINUOUS MECH.

315140 CONTINUOUS AMP (100% OF CONNECTED LOAD CEC 215.3)

REFER TO SINGLE LINE DIAGRAM FOR DEMAND LOAD CALCULATION

[illegible]

P1	WMSB
P2	DP6
P3	
P4	
P5	

PANEL SCHEDULE NOTES

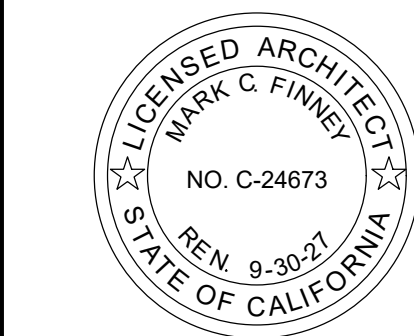
1. LONG CONTINUOUS LOAD (LCL). ADDITIONAL 25% ADDED AT BOTTOM OF PANEL. FEEDER CALCULATED AT 125% OF TOTAL CONNECTED LOAD.
2. NOT USED.
3. ROUTE BRANCH CIRCUIT THROUGH EXTERIOR LIGHTING CONTROLS.
4. SEE CONTROL DIAGRAM PROVIDE RED HANDLE AND LOCKING DEVICE ON THIS CIRCUIT BREAKER TO MEET 2002 NFPA 72, SECTION 10.6.5.2, AND 2022 CFC/CBC SECTION 907 REQUIREMENTS. PROVIDE CIRCUIT BREAKER LOCKING DEVICE.
5. VERIFY LOAD, CB AND CONDUCTOR SIZE WITH EQUIPMENT.
6. SEE SINGLE LINE DIAGRAM FOR CONDUCTOR SIZE.
7. NEW CIRCUIT BREAKER REQUIRED.
8. REFLECTS NEW CONNECTED LOAD.
9. EXISTING CIRCUIT TO REMAIN, NO CHANGE TO CONNECTED LOAD.

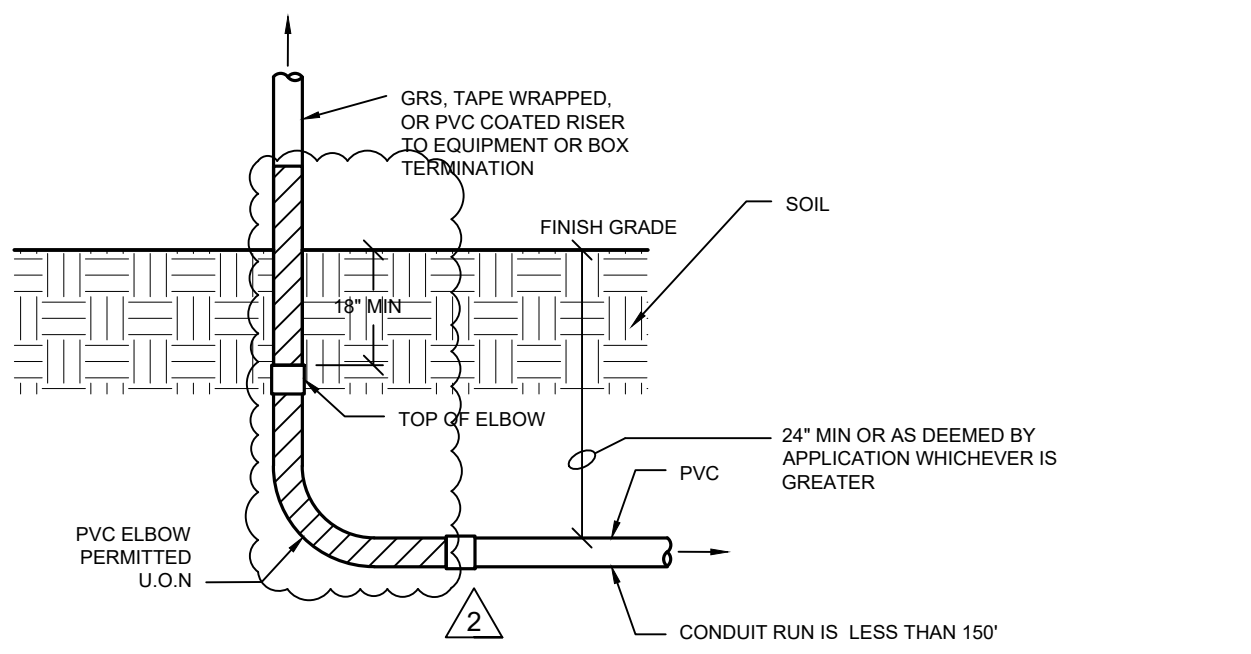
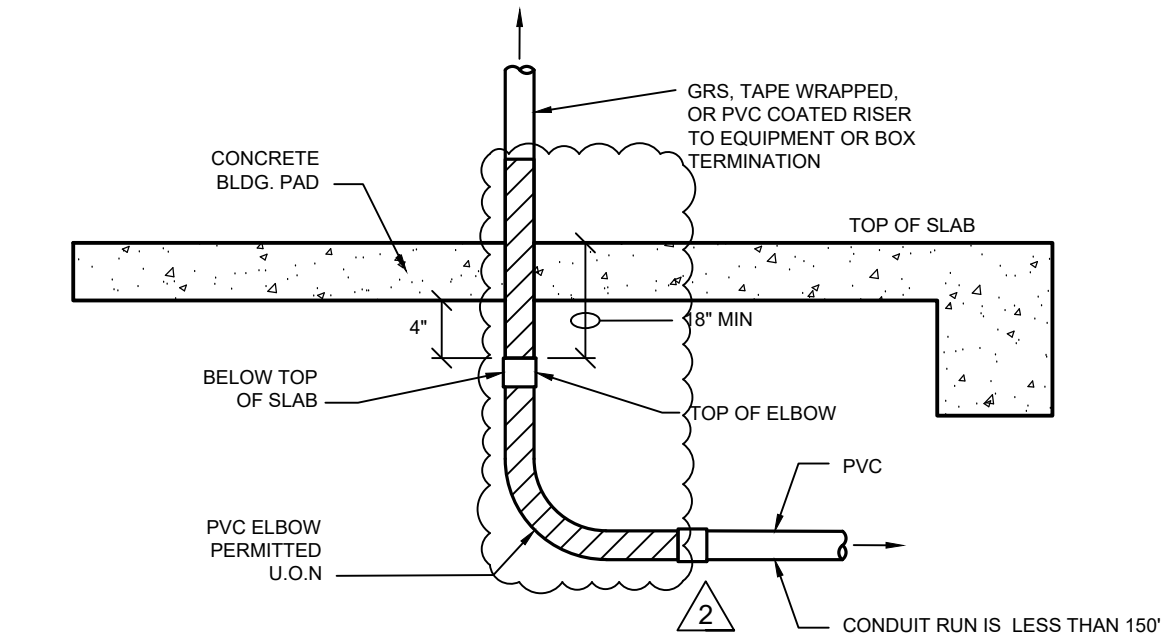
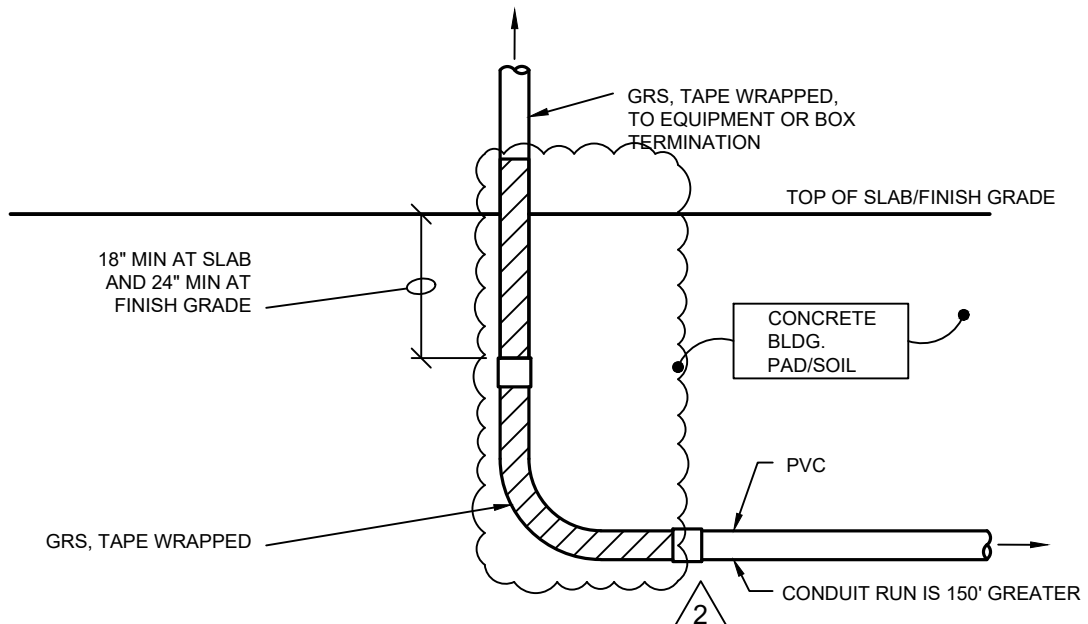
ELECTRICAL SCHEDULES

NO.	ITEM	DATE
1	ADDENDUM 1	07/22/26
2	ADDENDUM 2	08/05/26

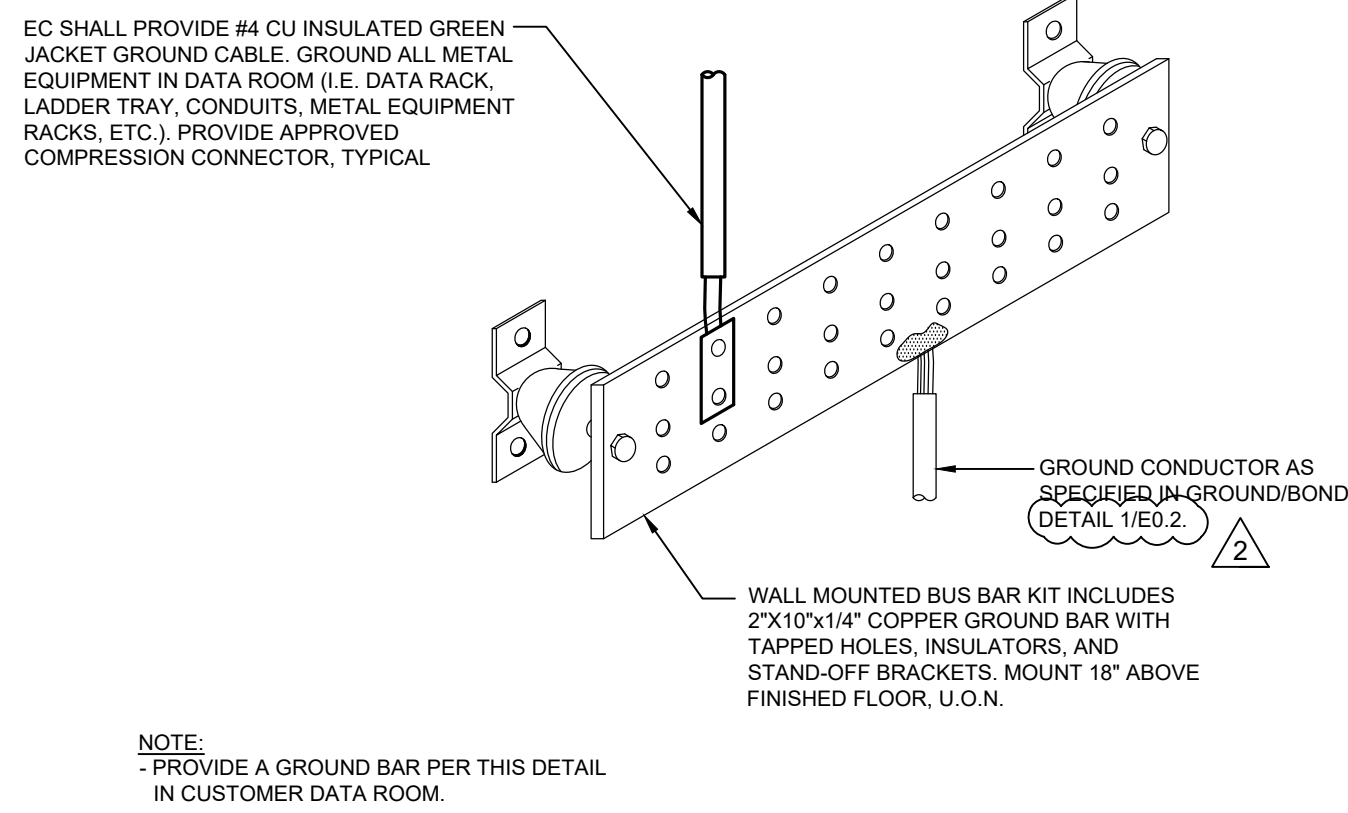
DRAWN BY:	AT
CHECKED BY:	JC, R
PROJECT NO:	DATE
25042	09/30/202

E0.3



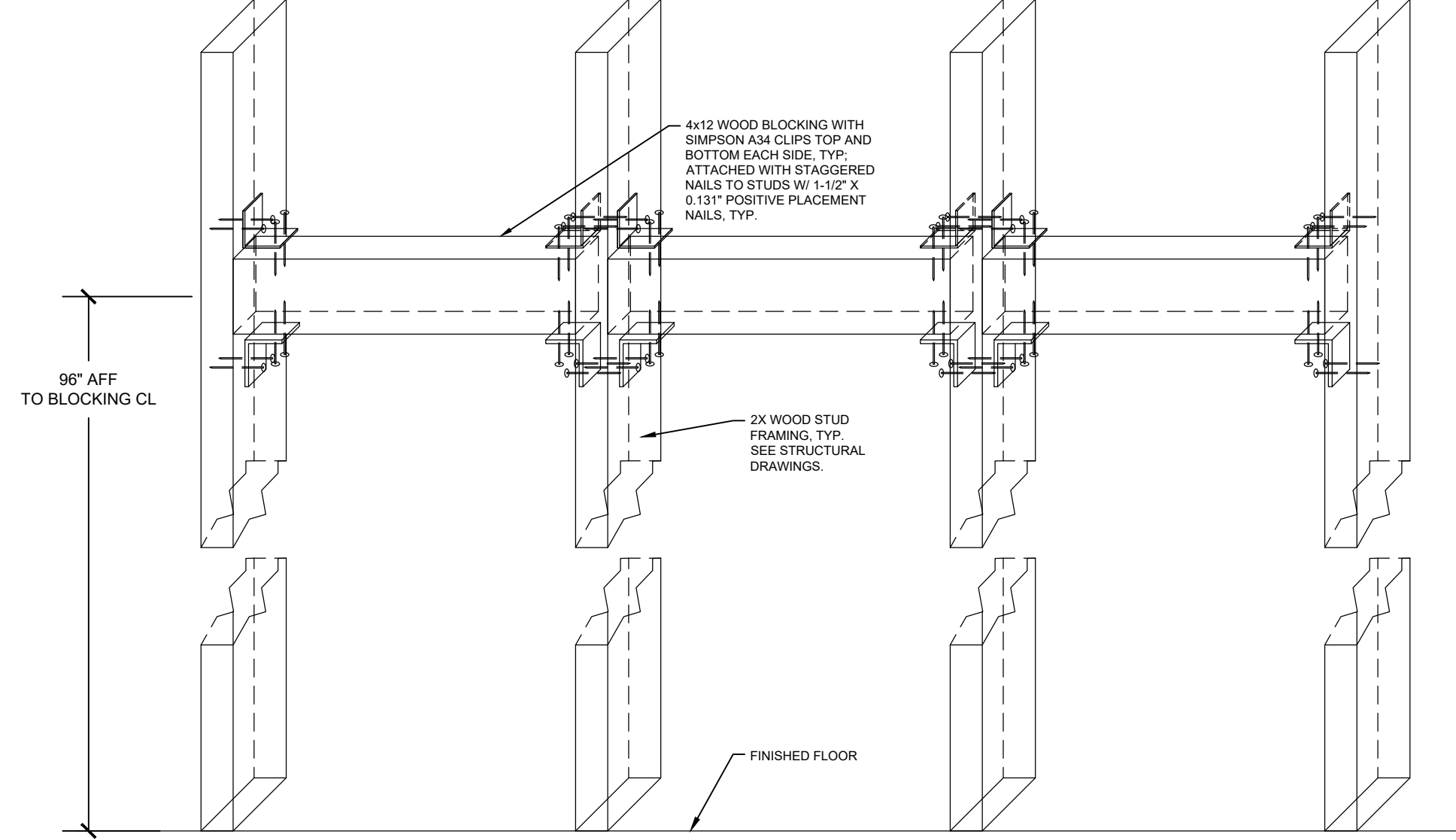
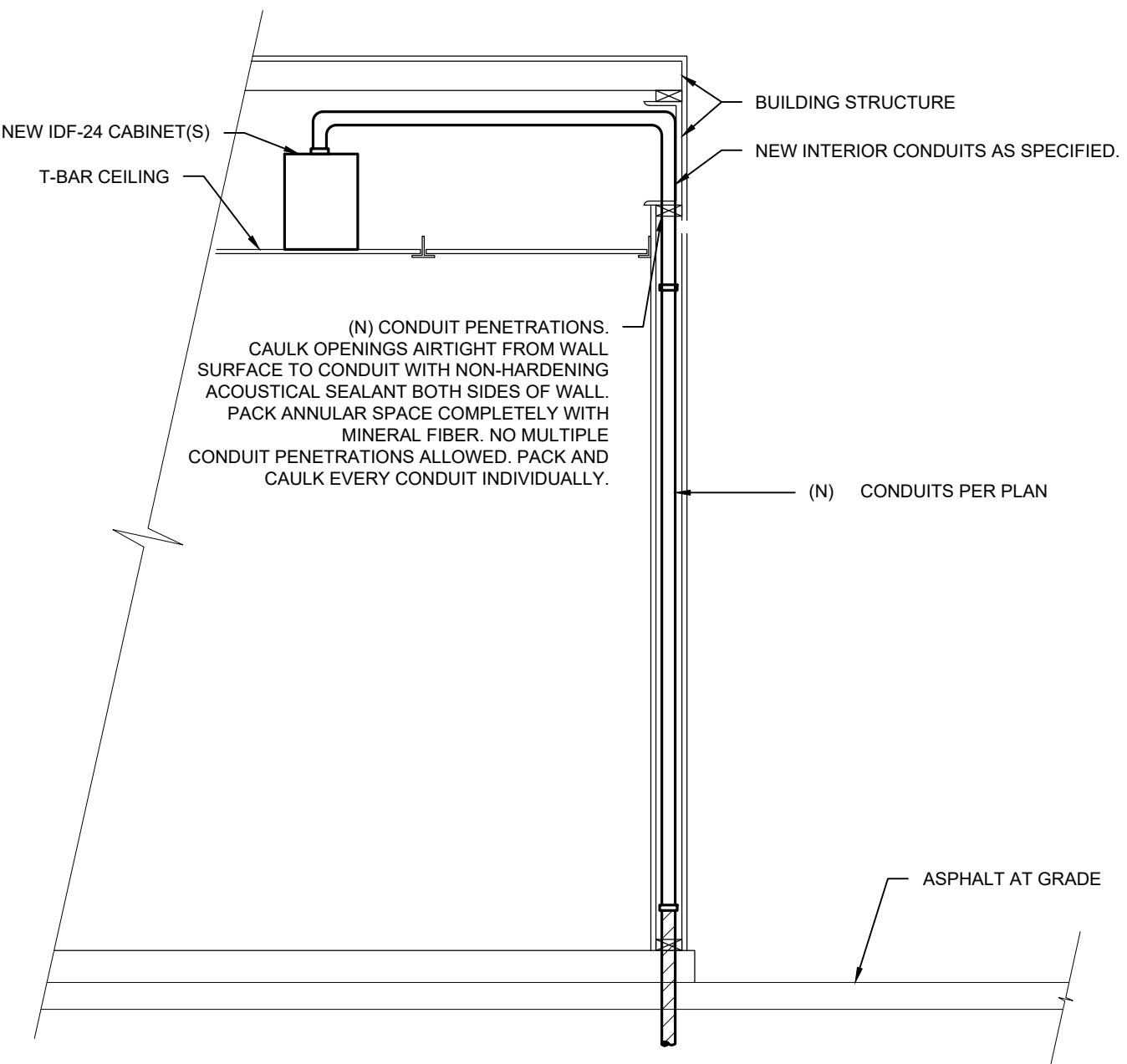


- NOTES:**
UNDERGROUND CONDUITS AND TRANSITION TO ABOVE GRADE/SLAB SHALL BE AS FOLLOWS:
- PVC ELBOWS ALLOWED IF TOP OF ELBOW IS MINIMUM 18" BFG OR BELOW TOP OF SLAB. OTHERWISE GRS, TAPE WRAPPED, ELBOWS ARE REQUIRED.
 - GRS ELBOWS ARE REQUIRED IF CONDUIT RUN IS 150' GREATER.
 - GRS RISERS ARE REQUIRED FROM ELBOW BELOW GRADE TO EQUIPMENT (DEVICE, OUTLET, PANEL, CABINET, ETC.) ABOVE GRADE.
 - GRS ELBOWS/RISERS TO BE TAPED WRAPPED (1/2" LAPPED) TO 3" ABOVE FINISH GRADE OR TOP OF SLAB.



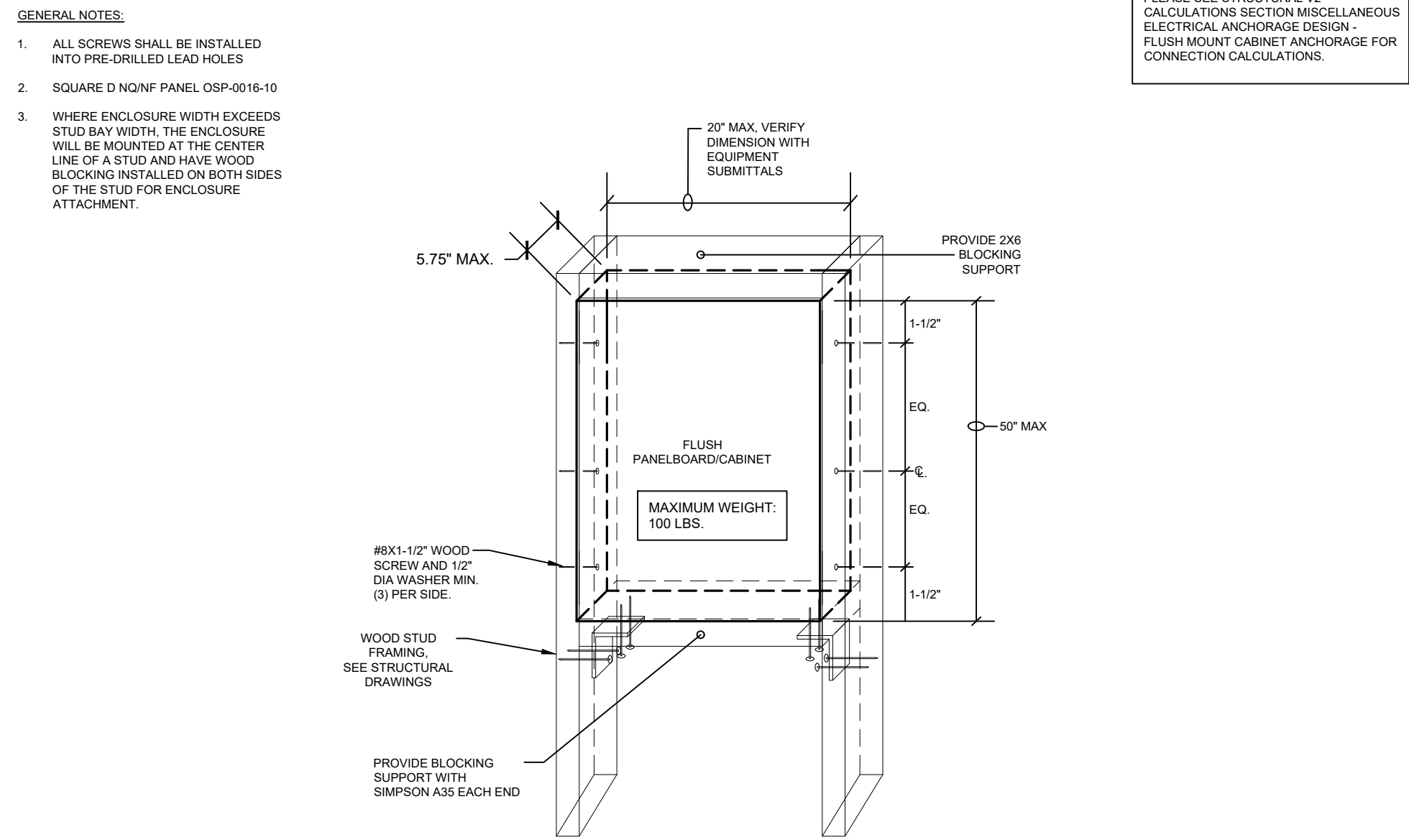
4 TYP. TELECOM GROUND BAR

SCALE: NTS



1 BLOCKING FOR TELEVISION

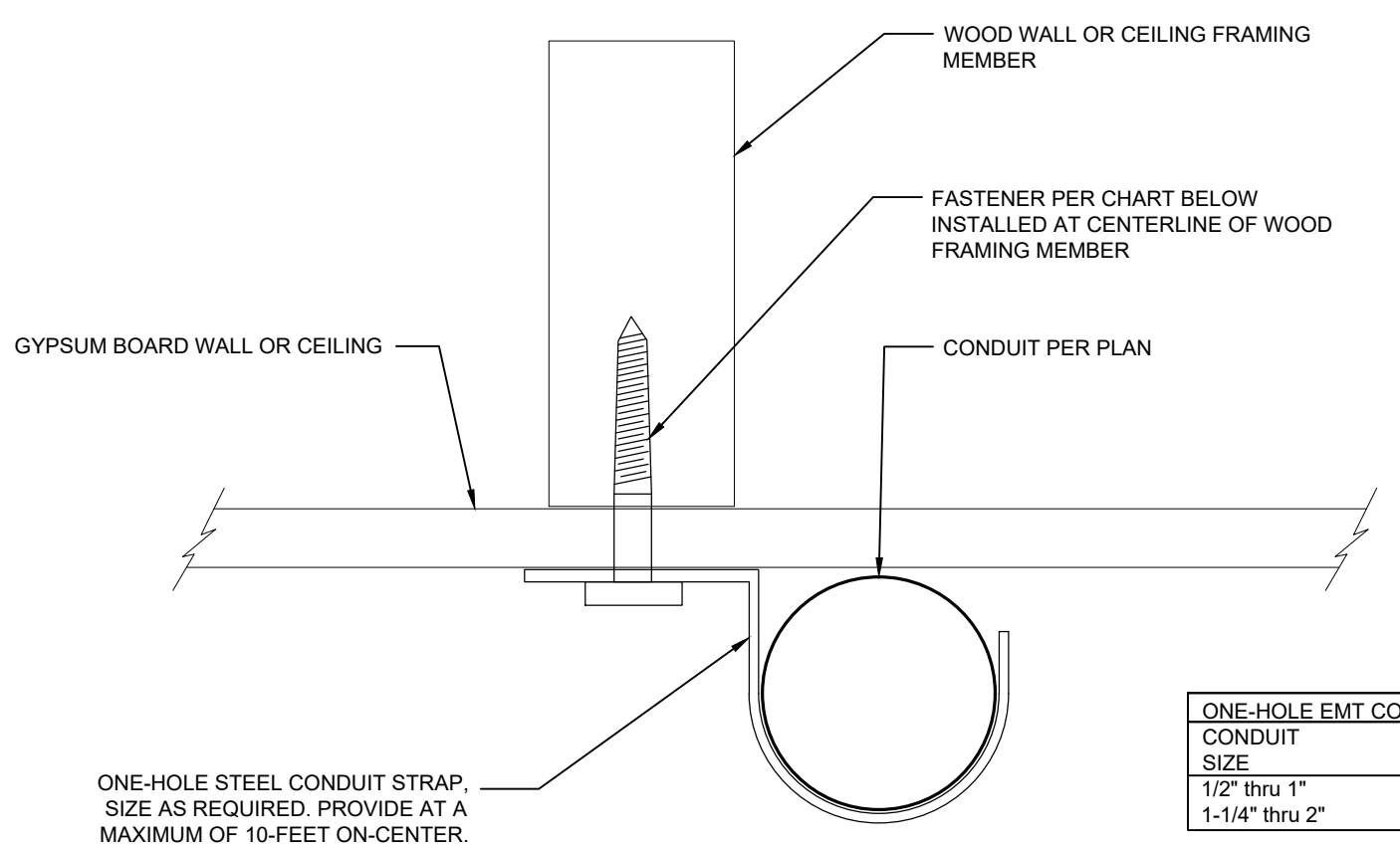
SCALE: NTS



FLUSH MOUNT

7 UNDERGROUND CONDUIT TRANSITIONS (GRADE/SLAB)

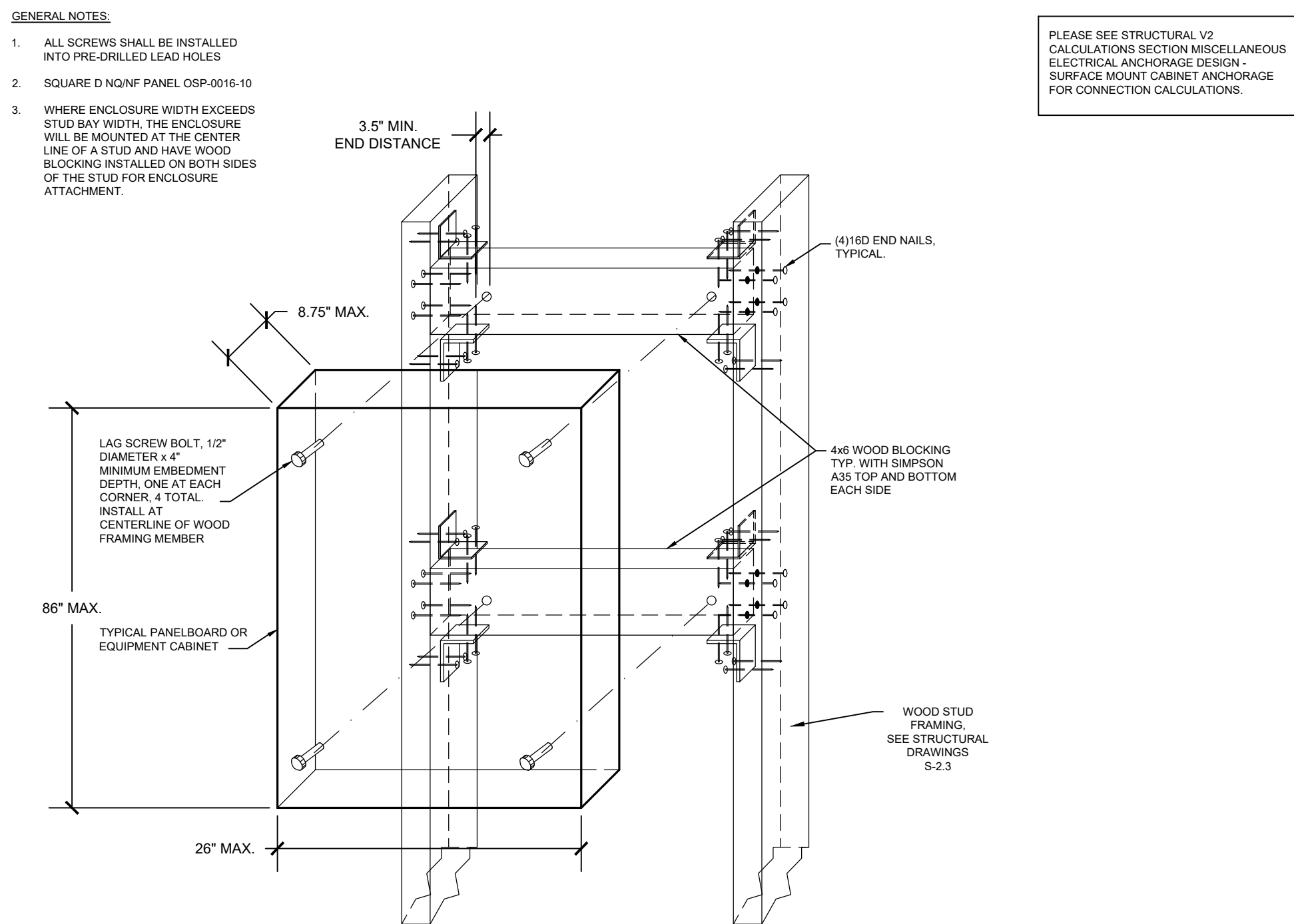
SCALE: NTS



CONDUIT SIZE	FASTENER DIA. - EMBED
1/2" thru 1"	3/16" - 1-1/4"
1-1/4" thru 2"	1/2" - 2-1/4"

5 COMM SYSTEM CONDUITS ON BUILDING

SCALE: NTS

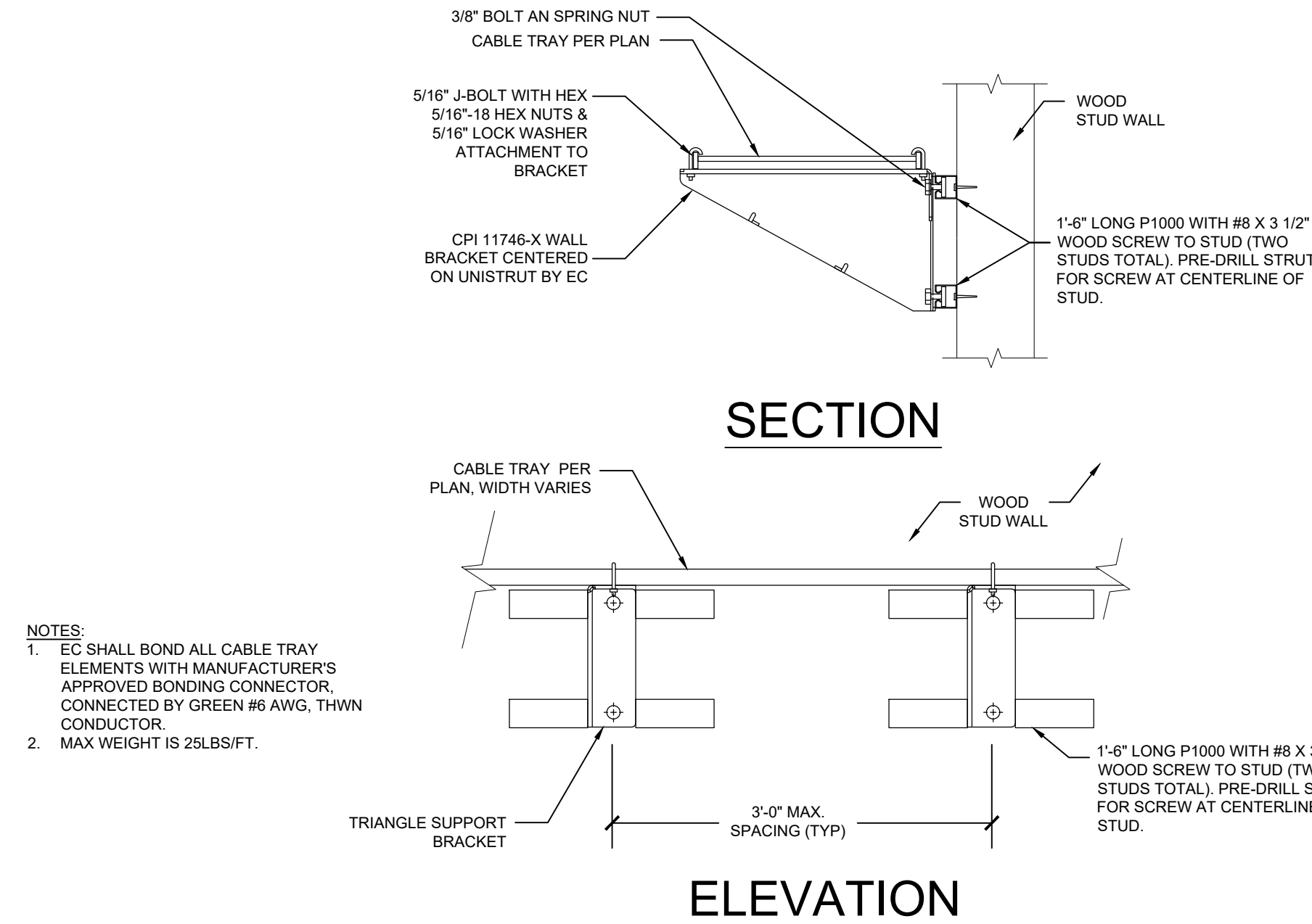


SURFACE MOUNT

2 TYP. FLUSH MOUNTED PANEL/CABINET DETAIL

SCALE: NTS

MAXIMUM WEIGHT: 100 LBS.



- NOTES:**
1. EC SHALL BOND ALL CABLE TRAY ELEMENTS WITH MANUFACTURER'S APPROVED BONDING CONNECTOR, CONNECTED BY GREEN #6 AWG, THWN CONDUCTOR.
2. MAX WEIGHT IS 25LBS/FT.

8 CONDUIT STRAP ANCHORAGE

SCALE: NTS

6 TYP. SURFACE & FLUSH MOUNTED PANEL/CABINET DETAIL

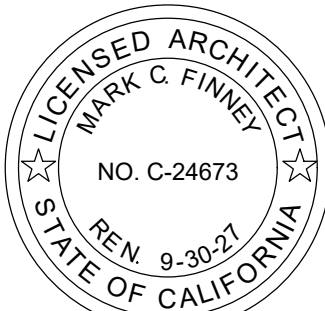
SCALE: NTS

MAXIMUM WEIGHT: 215 LBS.

3 WALL MOUNT LADDER TRAY

SCALE: NTS

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450



thoma ENGINEERING
THOMA ELECTRIC, INC.
P.O. Box 1167 - 3562 Empero St.
San Luis Obispo, CA 93405
Phone: (805) 543-3850
Fax: (805) 543-3829
ca@thomaelec.com

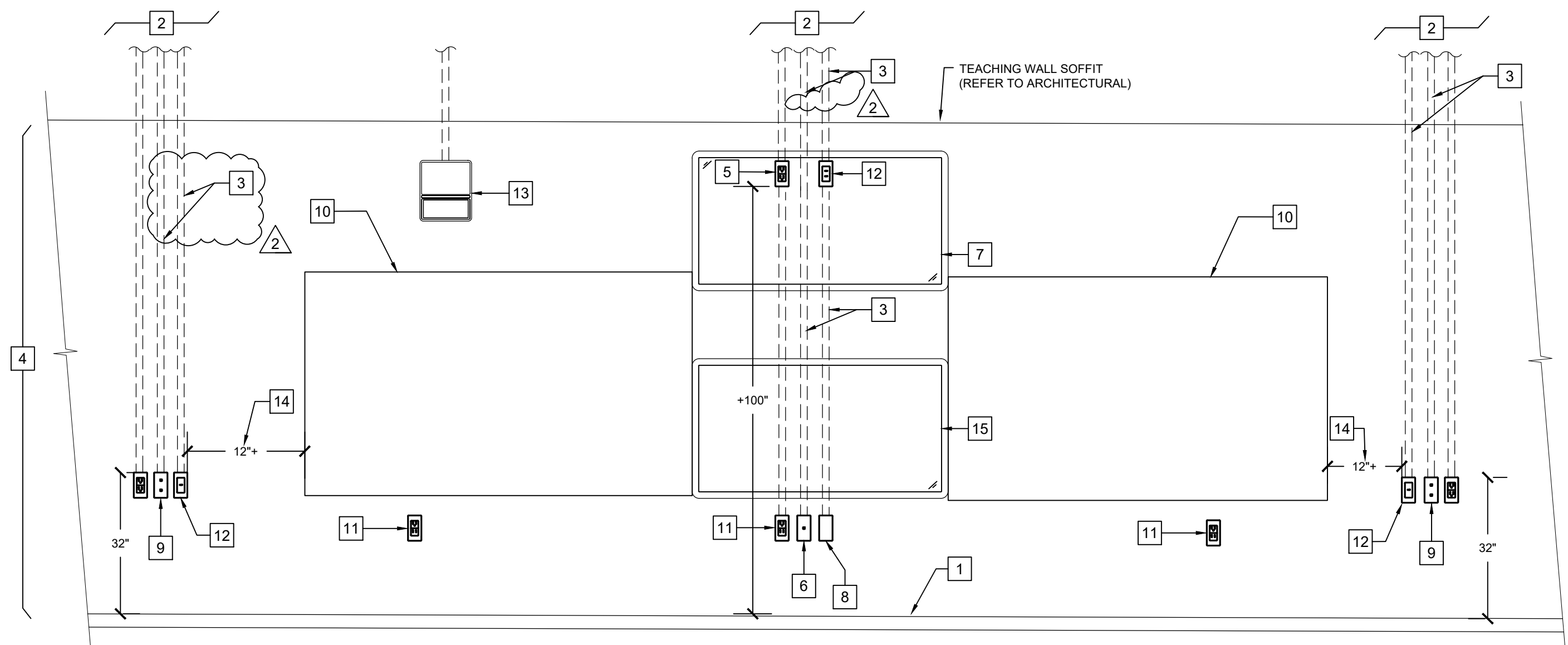
ELECTRICAL DETAILS

NO.	ITEM	DATE
1	ADDENDUM 1	07/22/26
2	ADDENDUM 2	08/05/26

DRAWN BY:	AV
CHECKED BY:	JC, RP
PROJECT NO:	DATE:
25042	09/30/2025

E0.7

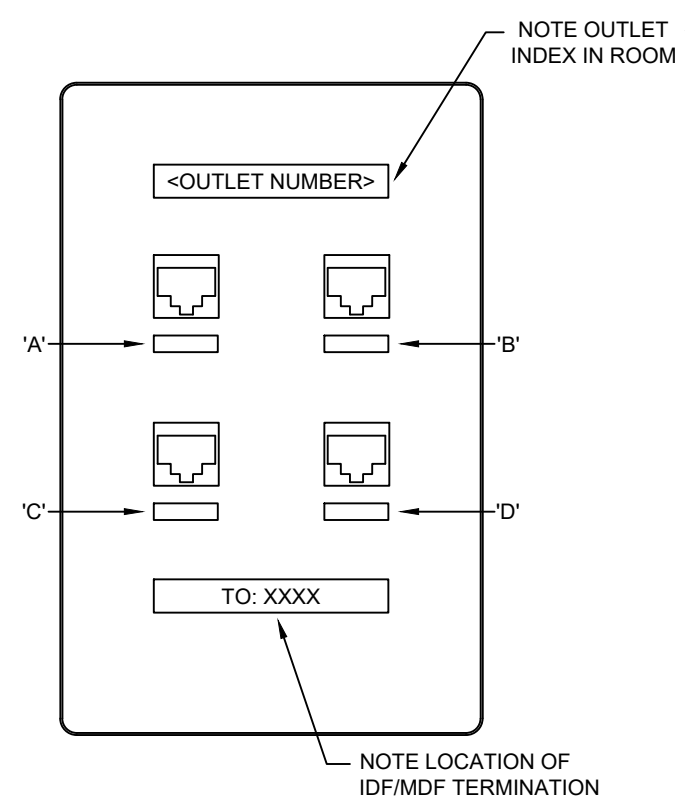
NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT



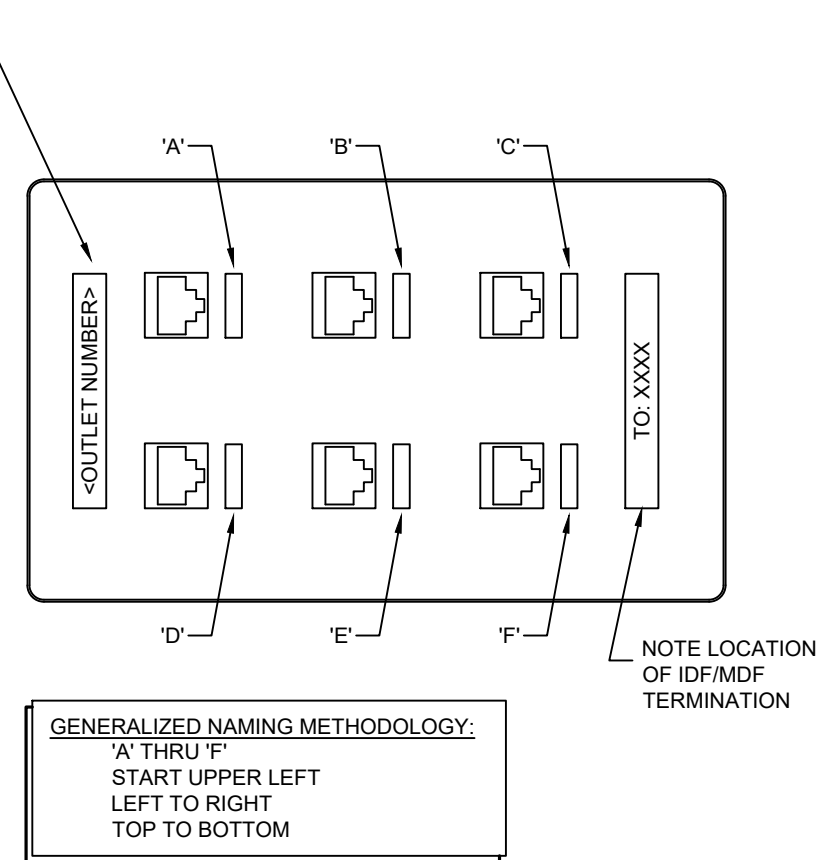
REFERENCE NOTES

1. FINISHED FLOOR.
2. ACCESSIBLE CEILING SPACE.
3. (N)(2) 1-1/4" CONDUITS (LOW VOLTAGE CABLING) TO ACCESSIBLE CEILING SPACE.
4. FINISHED WALL, REFER TO ARCHITECTURAL ELEVATIONS FOR DEVICE MOUNTING HEIGHTS. COORDINATE WITH OWNER PRIOR TO ROUGH-IN.
5. (N) DUPLEX RECEPTACLE PROVIDED BEHIND TELEVISION. EXACT LOCATION TO BE COORDINATED PRIOR TO ROUGH-IN WITH TELEVISION MOUNTING HARDWARE AND VERIFIED WITH DISTRICT REPRESENTATIVE.
6. SINGLE-PORT DATA OUTLET IN TRUE SS BACKBOX AS SHOWN ON PLAN. FIELD VERIFY FINAL LOCATION WITH DISTRICT REPRESENTATIVE PRIOR TO ROUGH-IN.
7. TELEVISION AND TELEVISION MOUNT SHALL BE INSTALLED BY OWNER. PROVIDE BLOCKING PER DETAIL 11E01.7.
8. SS BACKBOX WITH SINGLE GANG MUD RING WITHOUT CABLES AND BLANK FACEPLATE.
9. 2-PORT DATA OUTLET IN TRUE SS BACKBOX AS SHOWN ON PLAN. FIELD VERIFY FINAL LOCATION WITH DISTRICT REPRESENTATIVE.
10. WHITE BOARDS PER ARCHITECTURAL PLANS. WHITEBOARD LOCATION IN ELEVATION VIEW DOES NOT REFLECT ACTUAL CONDITION, REFER TO ARCHITECTURAL SHEETS FOR REQUIREMENTS. CONFIRM LOCATIONS WITH OWNER PRIOR TO ROUGH-IN.
11. (N) DUPLEX RECEPTACLE MOUNTED BELOW WHITE BOARD AT +15" AFF UNLESS OTHERWISE NOTED.
12. HDMI BRUSHED PASS-THROUGH 4-11/16" SQUARE BACKBOX WITH WALL PLATE IN MULTI-GANG CONFIGURATION.
13. VOIP SPEAKER. SS BOX WITH SINGLE-GANG PLASTER RING. 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.
14. MAINTAIN 1/2" SEPARATION FROM WHITEBOARD EDGE. MAINTAIN 32" BOX HEIGHT (TOP OF BOX). REFER TO ARCH FOR ACTUAL WHITE BOARD DIMENSIONS.
15. NEW SMART BOARDS (BY DISTRICT). CONTRATOR TO FIELD COORDINATE FINAL LOCATION AND INSTALL.

VERTICAL ORIENTATION



HORIZONTAL ORIENTATION

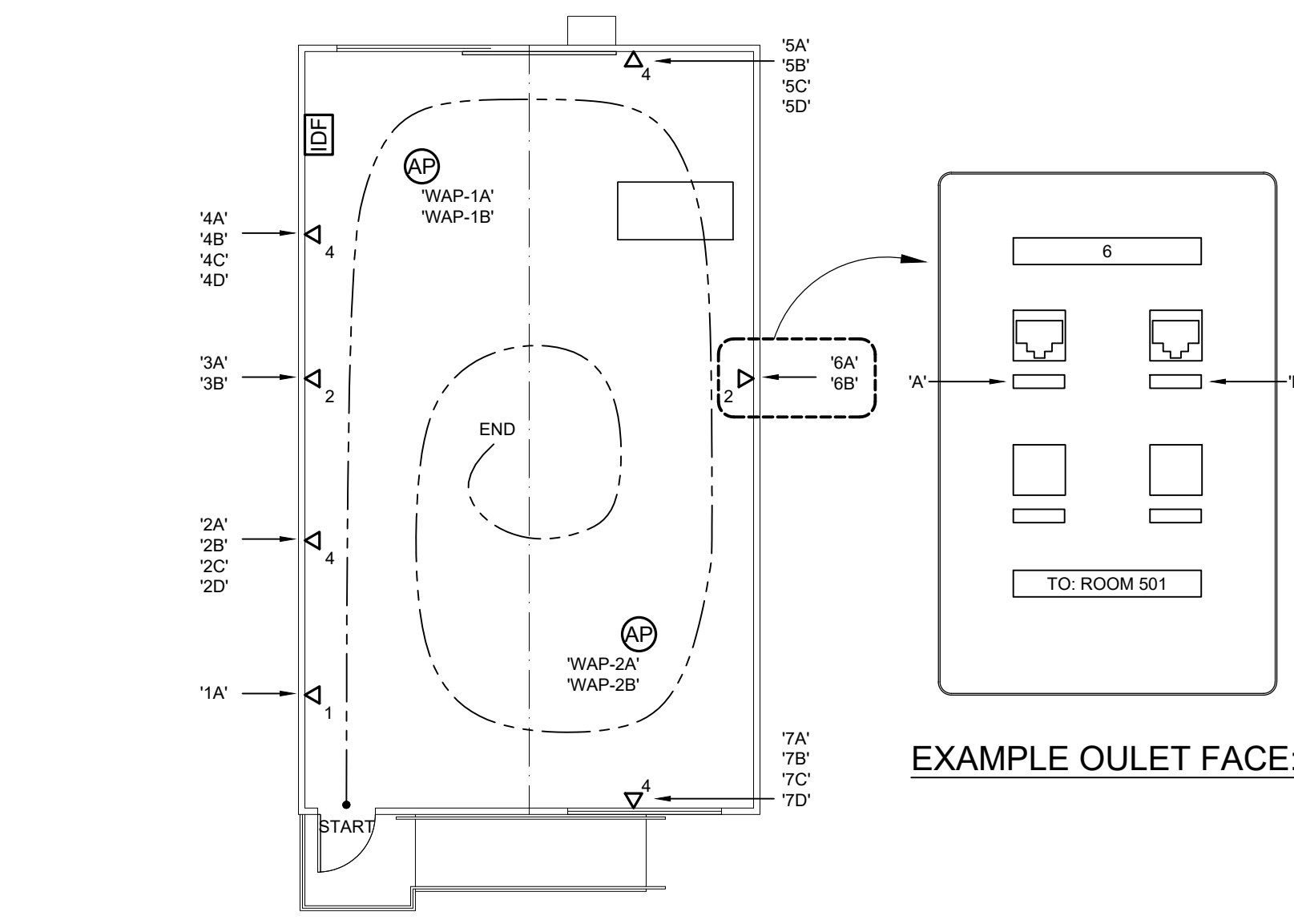
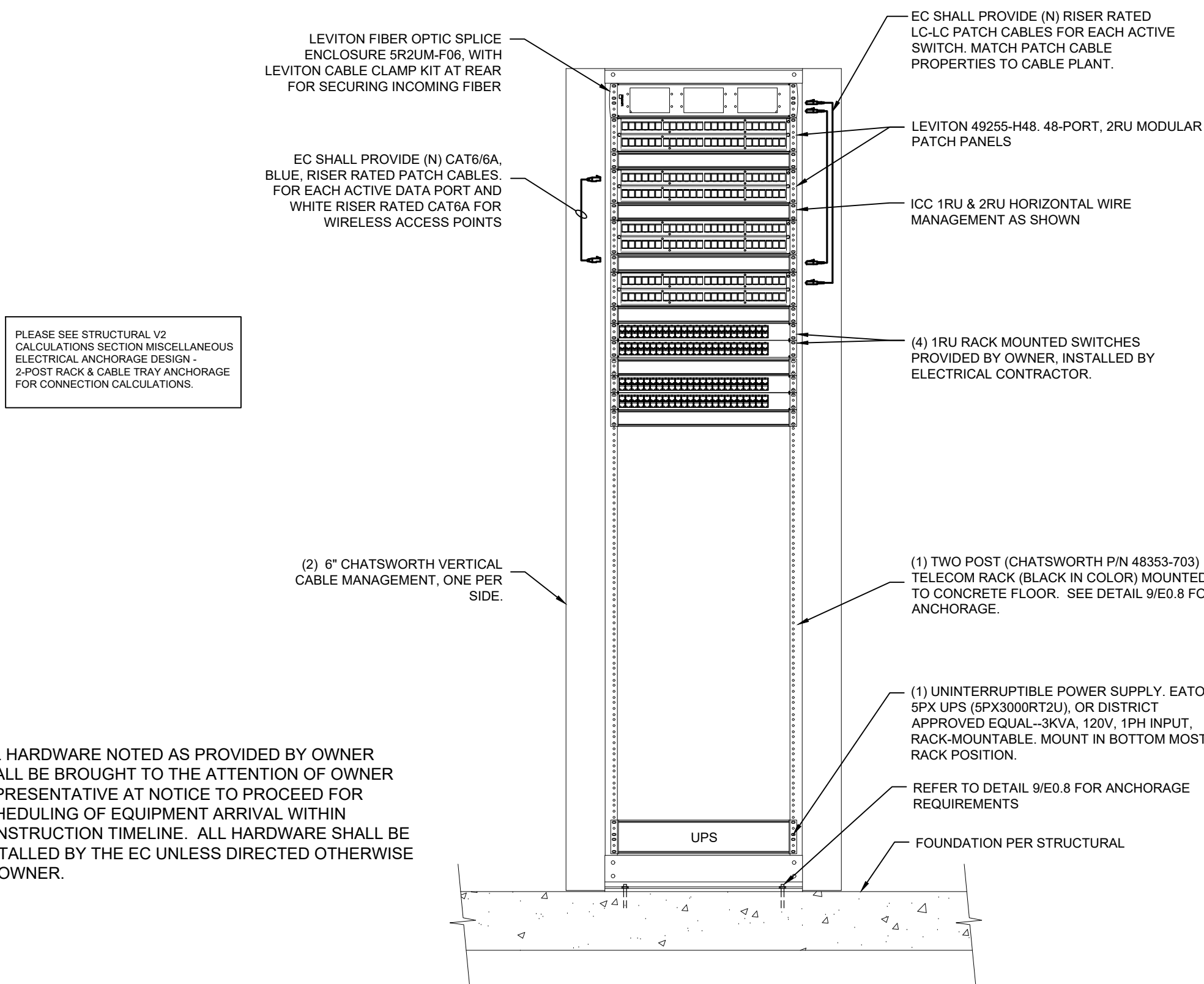


NOTES:

- ALL JACK LOCATIONS ASSIGNED BY POSITION IN ROOM. SEE "DATA OUTLET NAMING CONVENTIONS WITHIN ROOM" DETAIL FOR ASSIGNMENT METHODOLOGY.
- ALL JACKS TERMINATED AS T868B PINOUT.
- ALL JACKS COLOR TO MATCH INCOMING CABLE PLANT.
- PROVIDE IDENTICAL LABEL AT CORRESPONDING PATCH PANEL LOCATION AND ON CABLE PLANT ITSELF.

7 RECESSED MEDIA - TEACHING WALL

SCALE: NTS

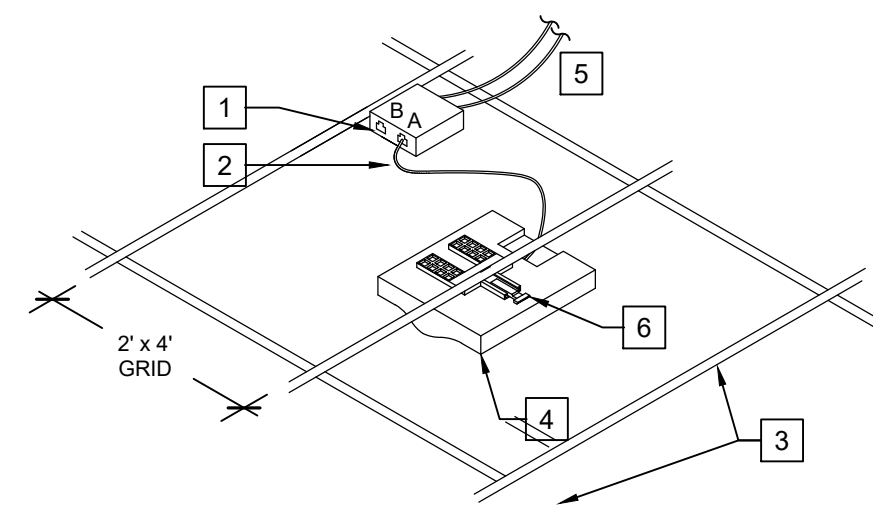


NOTES:

- ALL OUTLET INDICES SHALL BE ASSIGNED BY POSITION IN ROOM. LABELS SHALL START AT OCCUPANT ENTRANCE TO ROOM.
- WHERE MORE THAN ONE ENTRANCE IS PRESENT, LABEL SHALL BEGIN AT ANY ENTRANCE.
- OUTLET NUMBERS SHALL BE ASSIGNED ACCORDING TO "SPIRAL INWARD" METHOD WHEREBY USER STARTS AT ENTRANCE AND INCREMENTS OUTLET ASSIGNMENT IN CLOCKWISE PATTERN. SEE ABOVE DIAGRAM FOR EXAMPLE ILLUSTRATION.
- WIRELESS ACCESS POINTS SHALL HAVE ADDITIONAL PREFIX WAP, AND INDEX SHALL BE SEPARATELY MAINTAINED.

1 DATA OUTLET NAMING CONVENTIONS AT FACEPLATE

SCALE: NTS



GENERAL NOTES

ALL HARDWARE NOTED AS "PROVIDED BY OWNER" SHALL BE BROUGHT TO THE ATTENTION OF OWNER REPRESENTATIVE AT NOTICE TO PROCEED FOR SCHEDULING OF EQUIPMENT ARRIVAL WITHIN CONSTRUCTION TIMELINE. ALL HARDWARE SHALL BE INSTALLED BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE BY OWNER.

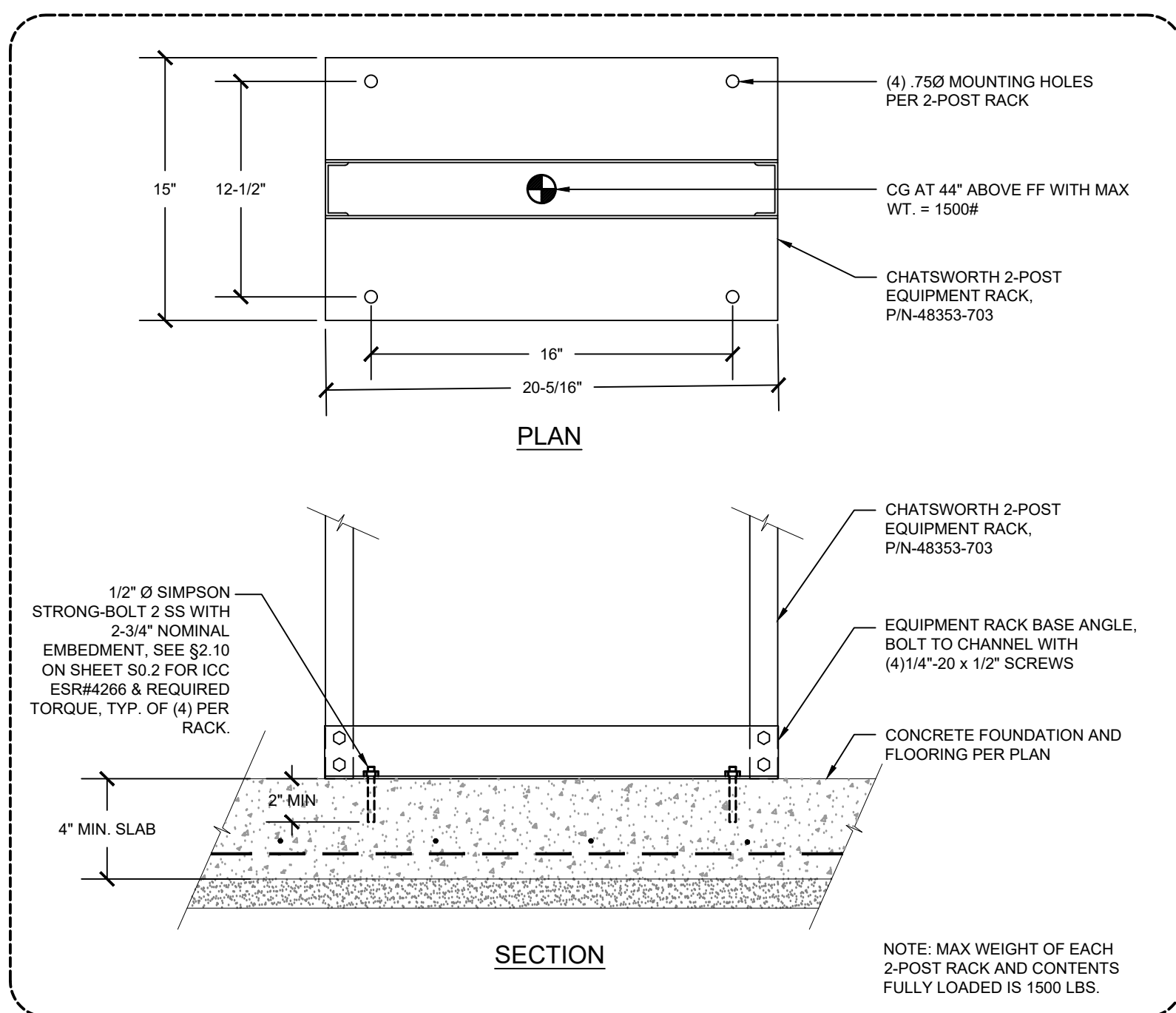
REFERENCE NOTES

1. 2-PORT BISCUIT MOUNTED IN ACCESSIBLE CEILING SPACE. CONTRACTOR SHALL PROVIDE LABELS FOR EACH CABLE AT BISCUIT, AND SHALL TERMINATE FEMALES AND TEST BOTH CABLES, AND PROVIDE TEST RESULTS TO OWNER.
2. (1) (N) WHITE 2-METER CAT6A PATCH CABLE BETWEEN NEW WIRELESS ACCESS POINT AND CAT6A TERMINATION BISCUIT. PATCH CABLE SHALL BE INSERTED INTO RJ-45 PORT LABELED "P" ON WIRELESS ACCESS POINT, AND "A" CABLE ON BISCUIT.
3. T-BAR CEILING. PENETRATIONS THROUGH CEILING TILES SHALL BE SEALED SO AS TO MAINTAIN FIRE RATING OF CEILING TILE IF APPLICABLE.
4. (N) WIRELESS ACCESS POINT (NOT TO EXCEED 18"X18"X0". WEIGHING NO MORE THAN 8 LBS), TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER OF ACCESS POINT QUANTITIES AND LOCATIONS A MINIMUM OF 6-WEEKS PRIOR TO INSTALLATION DATE.
5. (2) (N) WHITE CAT6A CABLES FROM IDF TO BISCUIT. ALL CAT6A CABLE AND TERMINATION HARDWARE (INCLUDING MODULAR JACKS, PATCH CABLES, ETC.) SHALL BE WHITE IN COLOR.
6. WAP MANUFACTURER PROVIDED T-BAR MOUNTING CLIP. ADHERE STRICTLY TO MANUFACTURER PROVIDED INSTALLATION INSTRUCTIONS.

8 2-POST TELECOM RACK ELEVATION

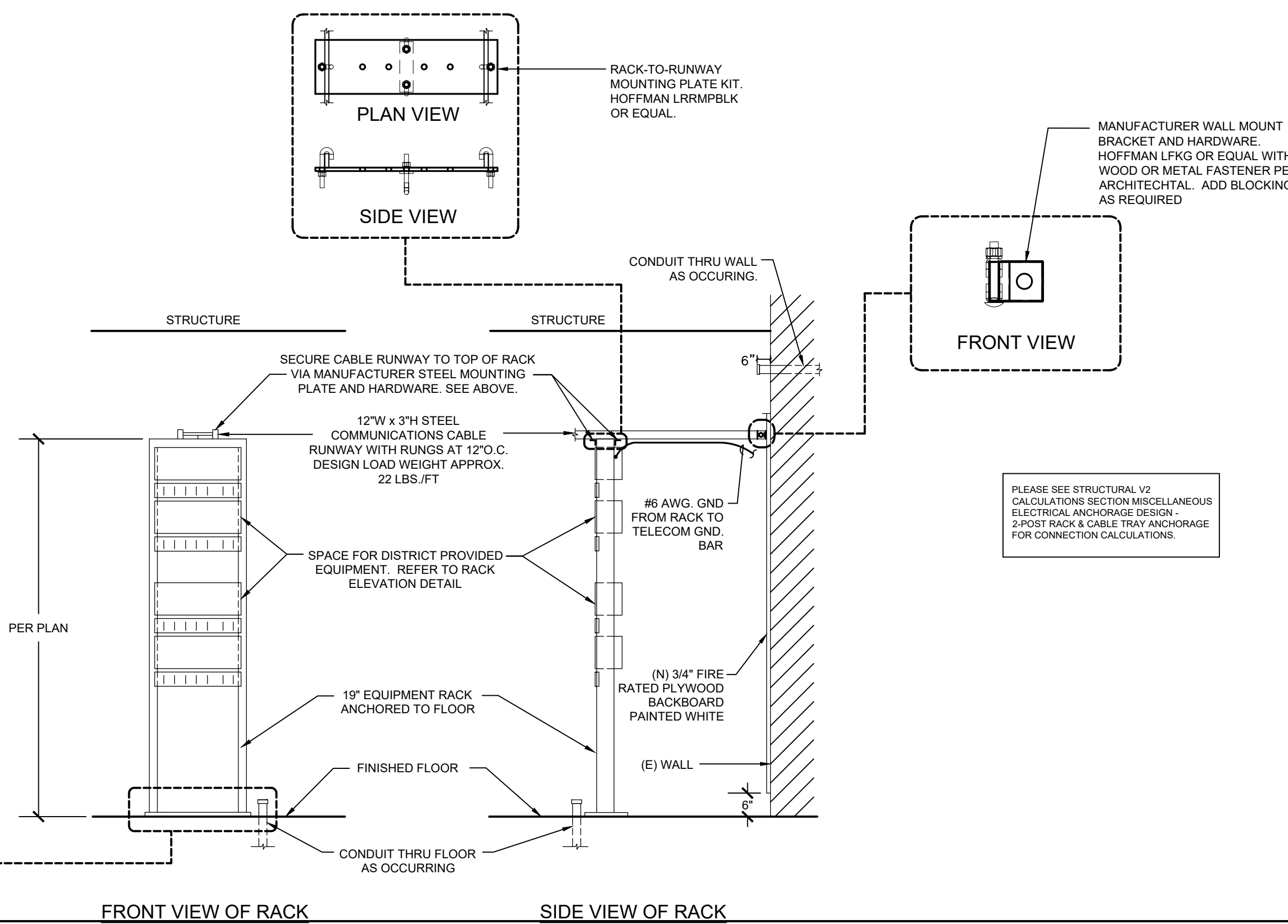
SCALE: NTS

MAXIMUM WEIGHT = 1000 LBS.



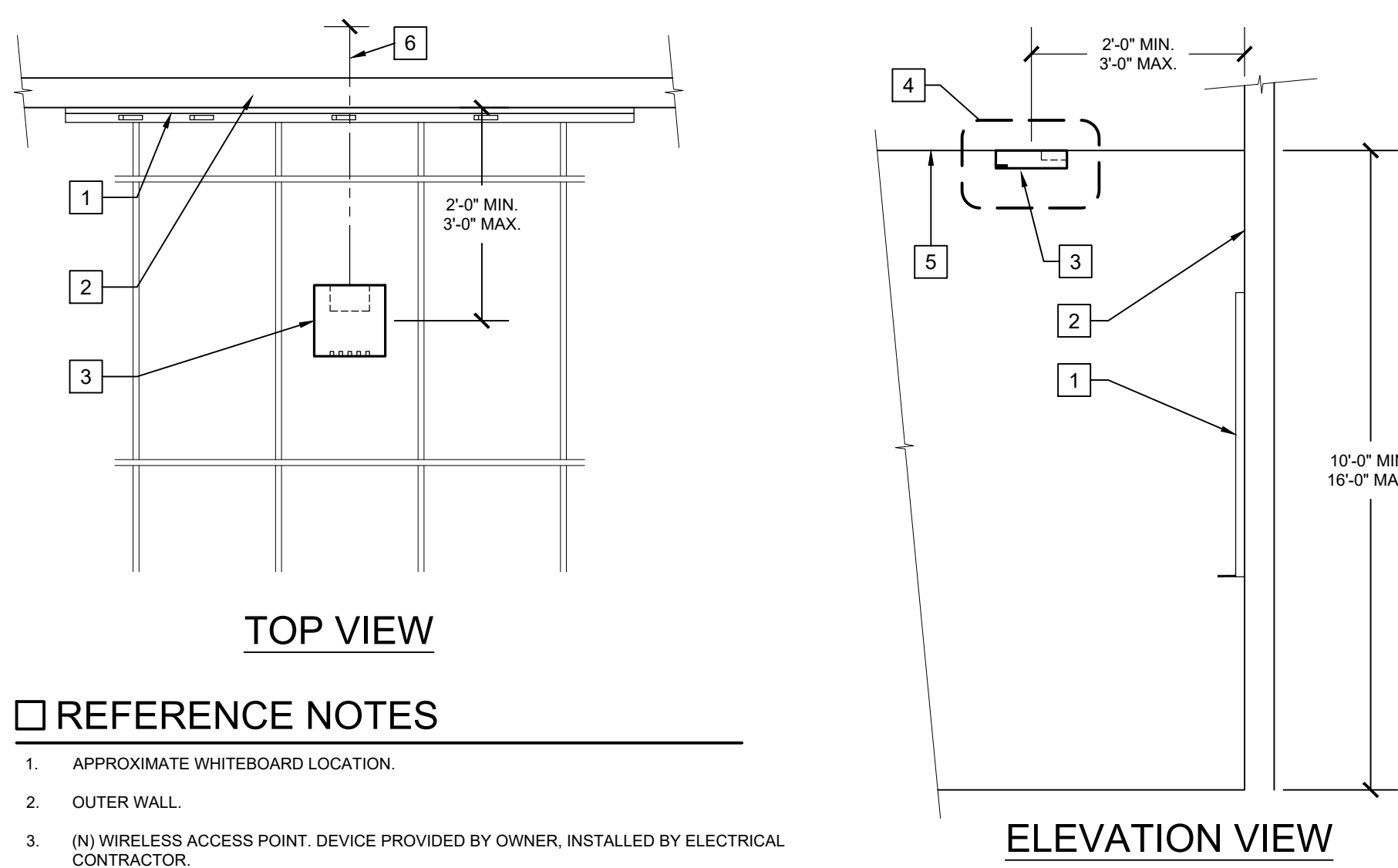
5 DATA OUTLET NAMING CONVENTIONS WITHIN ROOM

SCALE: NTS



2 INDOOR WIRELESS ACCESS POINT T-BAR MOUNTING

SCALE: NTS



REFERENCE NOTES

1. APPROXIMATE WHITEBOARD LOCATION.
2. OUTER WALL.
3. (N) WIRELESS ACCESS POINT. DEVICE PROVIDED BY OWNER, INSTALLED BY ELECTRICAL CONTRACTOR.
4. SEE MOUNTING DETAIL 2 ON THIS SHEET.
5. ROOM FINISHED CEILING.
6. COORDINATE WAP CENTERLINE TO WITHIN 24" OF TEACHING SPACE CENTERLINE.

9 2-POST RACK & CABLE TRAY ANCHORAGE

SCALE: NTS

MAXIMUM WEIGHT = 1500 LBS.

3 INDOOR WAP LOCATION (TYP. T-BAR CEILING)

SCALE: NTS

ELECTRICAL DETAILS

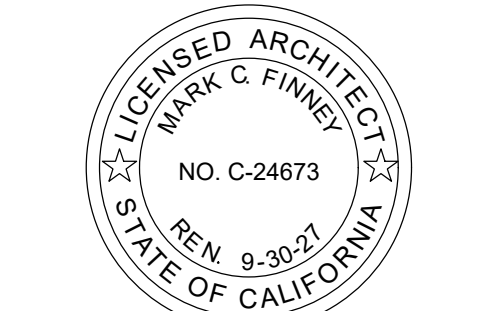
NO.	ITEM	DATE
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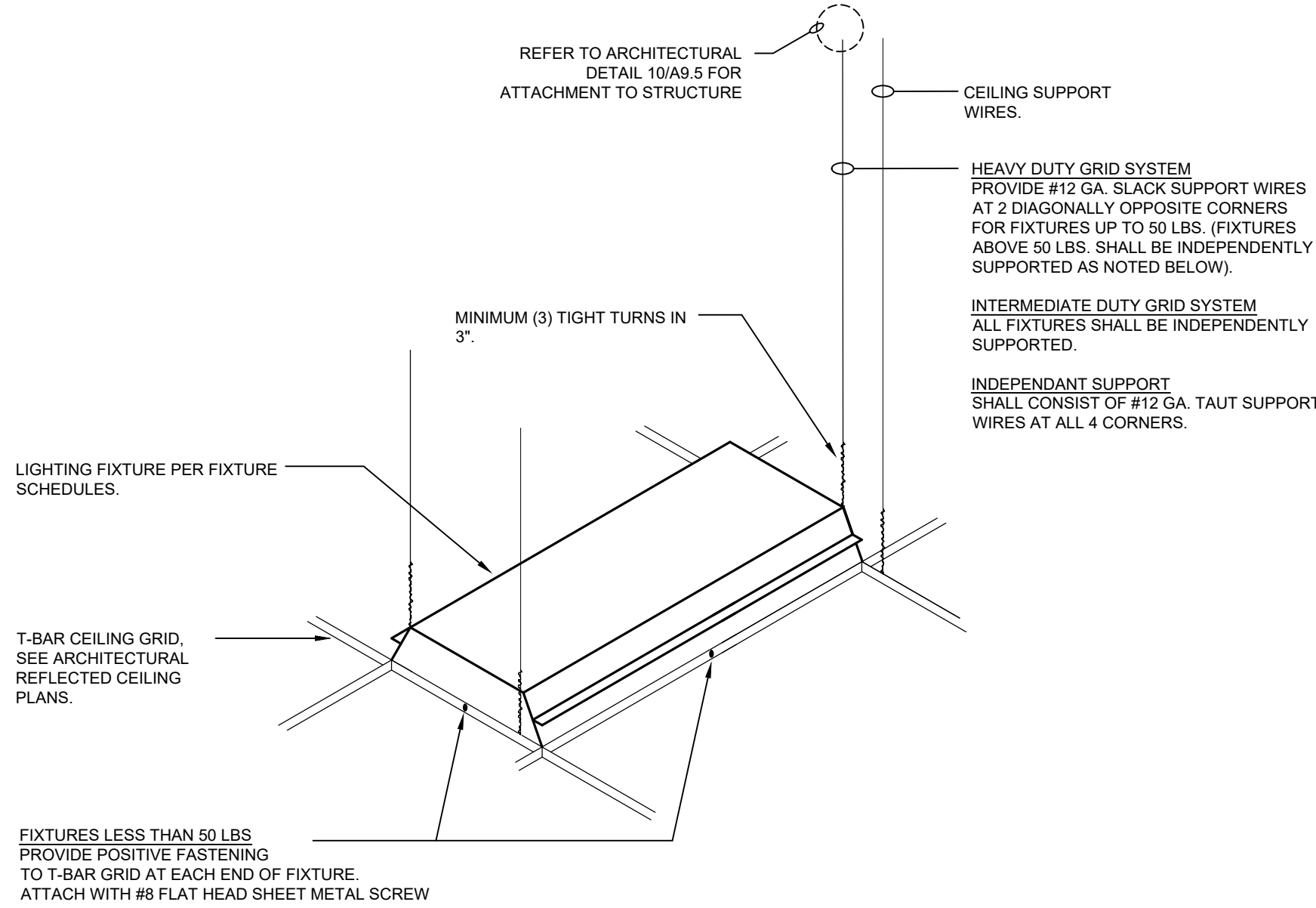
NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 260
CAMPBELL, CA 95008
PHONE: 408-398-1450



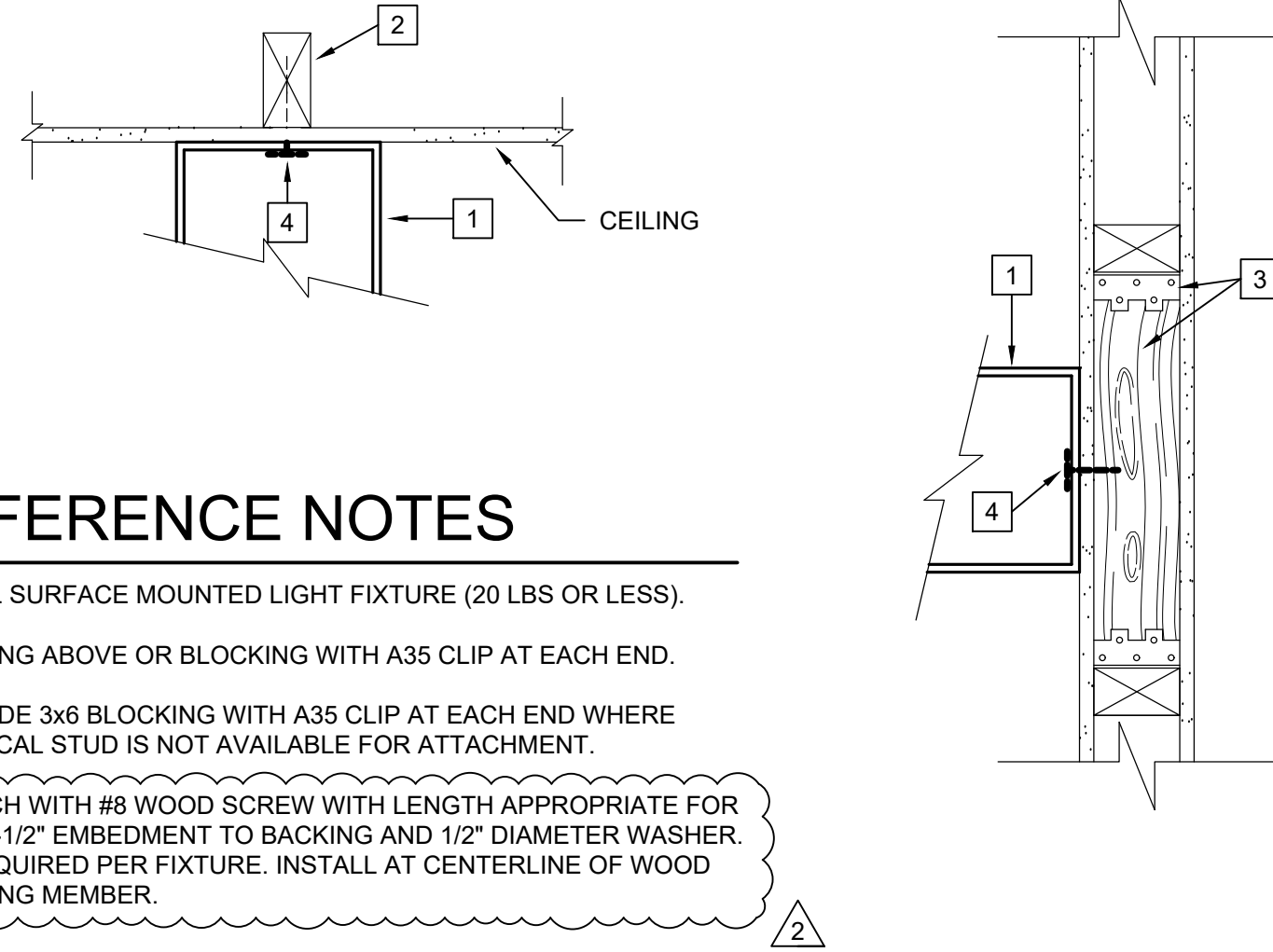
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THOMA ELECTRIC, INC.
P.O. Box 1167 - 3562 Empeo St.
San Luis Obispo, CA 93405
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

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1 LAY-IN TROFFER FIXTURE MOUNTING DETAIL

SCALE: NTS



REFERENCE NOTES

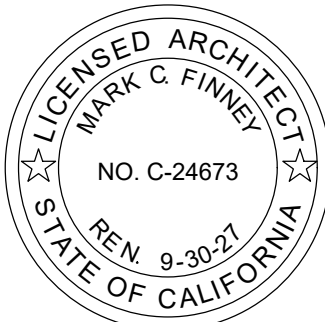
1. SMALL SURFACE MOUNTED LIGHT FIXTURE (20 LBS OR LESS).
2. FRAMING ABOVE OR BLOCKING WITH A35 CLIP AT EACH END.
3. PROVIDE 3x6 BLOCKING WITH A35 CLIP AT EACH END WHERE VERTICAL STUD IS NOT AVAILABLE FOR ATTACHMENT.
4. ATTACH WITH #8 WOOD SCREW WITH LENGTH APPROPRIATE FOR MIN. 1-1/2\"/>

2 WALL/CEILING FIXTURE MOUNTING DETAIL

SCALE: NTS

ISSUED FOR PERMIT

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450



EXPIRES: 09/30/26
THOMA #25-8101

Thoma ENGINEERING
THOMA ELECTRIC, INC.
P.O. Box 1167 - 3562 Empero St.
San Luis Obispo, CA 93405
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

ELECTRICAL DETAILS

NEW CLASSROOM BUILDINGS AT
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LUCIA MAR UNIFIED SCHOOL DISTRICT

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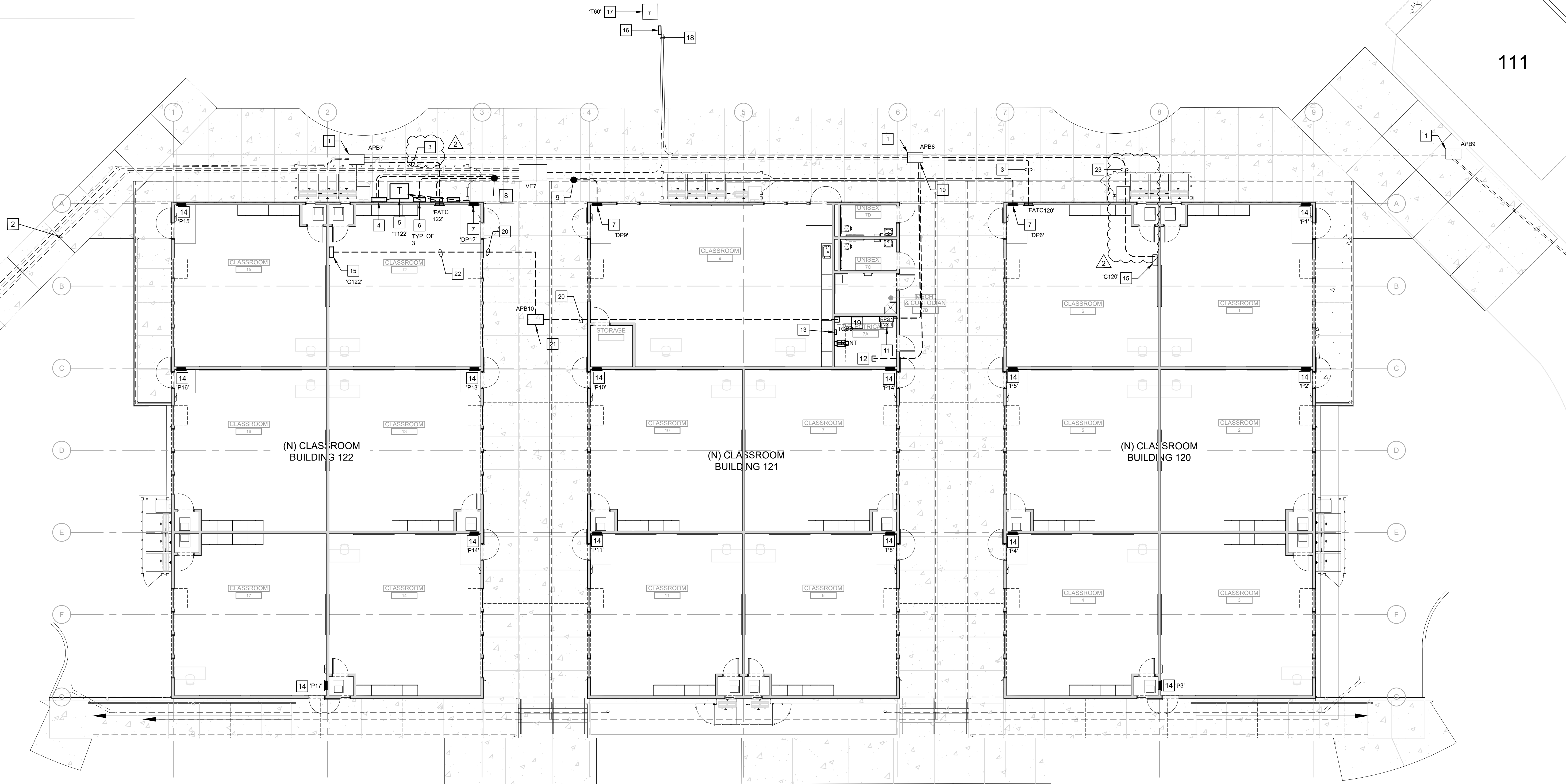
SEE SHEET E1.1 FOR CONTINUATION



ELECTRICAL SITE PLAN

SCALE: 1" = 10'-0"

NORTH



GENERAL SITE PLAN NOTES

- TRENCHING AND BACKFILLING FOR ALL CONDUIT SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL CONDUITS SHALL HAVE MINIMUM COVER REQUIREMENTS AS SPECIFIED IN CEC 300.5. MORE STRINGENT DEPTH REQUIREMENTS MAY BE IMPOSED BY PROJECT SPECIFICATION. JOINT TRENCHING MAY BE UTILIZED WHERE PRACTICABLE AND WERE PERMITTED BY THIS SPECIFICATION.
- LOCATIONS OF EXISTING UNDERGROUND (UG) UTILITY SYSTEMS SHALL BE DETERMINED BY CALLING UNDERGROUND SERVICE ALERT (USA) WHEN PLANNING UNDERGROUND WORK, AND BEFORE YOU DIG, CONTACT UNDERGROUND SERVICE ALERT (USA) AT LEAST 48 HOURS PRIOR TO EXCAVATION (WEEKENDS EXCLUDED) FOR THE LOCATION OF UNDERGROUND GAS AND ELECTRIC LINES OR EQUIPMENT.
- MAINTAIN REQUIRED CLEARANCES FROM ALL SANITARY SEWER, WATER AND STORM DRAIN PIPING. REFER TO CIVIL PLANS FOR EXACT LOCATIONS AND DEPTHS OF PIPING.
- PUMPING OF EXCESS WATER FROM EXISTING PULL BOXES, IF REQUIRED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COORDINATE WITH DISTRICT FOR APPROPRIATE DISPOSAL OF EXCESS WATER.
- THE EXACT QUANTITY, LOCATION AND DEPTHS OF EXISTING UNDERGROUND PIPING AND CONDUITS IS UNKNOWN. FIELD VERIFY AND MAINTAIN EXISTING UTILITIES IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION AND EXCAVATION OPERATIONS.
- REPAIR AND RECONNECT ALL EXISTING UNDERGROUND PIPING UNCOVERED AND DAMAGED BY NEW WORK AS REQUIRED TO MAINTAIN PROPER SYSTEM FUNCTIONS. RE-TEST ALL SYSTEMS DAMAGED BY NEW WORK.
- SAWCUT AND PATCH ALL SURFACES TO MATCH EXISTING SURFACES (CONCRETE, AC PAVING, ETC.) AS REQUIRED FOR INSTALLATION OF NEW WORK. COMPLETE FIELD VERIFICATION OF THIS WORK IS REQUIRED BY CONTRACTOR. SAWCUT ENTIRE PANEL OUT AND REPLACE ENTIRE PANEL BETWEEN EXPANSION JOINTS (AS APPLICABLE). REFER TO ARCHITECTURAL/ CIVIL DRAWINGS FOR DETAILED INFORMATION.

REFERENCE NOTES

- (E) VAULTS - PROTECT IN PLACE.
- EXISTING PATHWAYS - PROTECT IN PLACE.
- CONTRACTOR SHALL INTERCEPT (2) 1" CONDUIT STUB OUTS OUT OF EXISTING 'APB8' PULLBOX AND EXTEND TO 'FATC120'. REFER TO FIRE ALARM PLANS FOR ADDITIONAL INFORMATION.
- NEW TRANSFORMER PRIMARY AC DISCONNECT. REFER TO SINGLE LINE DIAGRAM FOR DISCONNECT RATING. SEE MOUNTING DETAIL 6/E0.7.
- NEW TRANSFORMER. REFER TO SINGLELINE DIAGRAM FOR RATING AND REQUIREMENTS. SEE MOUNTING DETAIL 2/E0.6.
- NEW BUILDING AC DISCONNECT. TYPICAL (1) PER BUILDING. RATING AS SHOWN ON SINGLELINE DIAGRAM. SEE MOUNTING DETAIL 6/E0.7.
- NEW BUILDING DISTRIBUTION PANELBOARD. REFER TO SINGLE LINE DIAGRAM AND SCHEDULES FOR PANELBOARD RATING AND BREAKER CONFIGURATION. SEE MOUNTING DETAIL 2/E0.7.
- CONTRACTOR SHALL INTERCEPT AND EXTEND NEW CONDUIT(S) TO TRANSFORMER AC DISCONNECT, AND FROM AC DISCONNECTS TO PULLBOX. REFER TO FEEDER SCHEDULE FOR FEEDER SPECIFICATION.
- CONTRACTOR SHALL INTERCEPT EXISTING CONDUITS AND EXTEND TO NEW DISTRIBUTION PANELBOARDS 'DP121' AND 'DP120'. REFER TO FEEDER SCHEDULE FOR SPECIFICATION.
- CONTRACTOR SHALL EXTEND THE FOLLOWING PATHWAYS FROM EXISTING PULLBOX TO ELECTRICAL ROOM.
10.1 (2) 4" CONDUITS (FOR COMM)
10.2 (8) 2" CONDUITS (FOR COMM)
10.3 (1) 3" CONDUIT (FOR FA)
- NEW FIRE ALARM INX TRANSPONDER "INX-2" AND REMOTE POWER SUPPLY "RPS-2". SEE FIRE ALARM RISER DIAGRAM SHEET E5.4.
- CONTRACTOR SHALL EXTEND CONDUITS TO ELECTRICAL/IDF ROOM AND DN TO THE CABLE TRAY.
- NEW 2-POST RACK. REFER TO COMMUNICATION PLANS FOR RACK REQUIREMENTS. SEE MOUNTING DETAIL 9/E0.8.
- NEW CLASSROOM PANELBOARD. REFER TO SINGLELINE DIAGRAM AND ELECTRICAL SCHEDULES FOR RATING AND PANELBOARD REQUIREMENTS. SEE MOUNTING DETAIL 2/E0.7 FOR FLUSH MOUNTED.
- NEW IDF REBOX CABINET TO TRANSITION OUTDOOR RATED TO INDOOR RATED CABLES. BASIS OF DESIGN: HUBBELL IDF24. MOUNT IN ACCESSIBLE CEILING SPACE. REFER TO FLOOR PLANS FOR EXACT LOCATION. SEE MOUNTING DETAIL 6/E0.6.
- EXISTING AC DISCONNECT FOR FORUM SHALL REMAIN.
- EXISTING TRANSFORMER FOR FORUM SHALL REMAIN.
- EXISTING FA & COMM CONDUITS SHALL REMAIN.
- CONDUIT STUB-OUT. CONTRACTOR SHALL EXTEND (4) 2" CONDUITS FROM THIS LOCATION TO 2-POST RACK.
- CONTRACTOR SHALL EXTEND (4) 2" CONDUITS UNDERGROUND TO NEW PULLBOX 'APB10'. CONTRACTOR SHALL ROUTE CONDUITS THROUGH BUILDING FOOTING. SEE DETAIL 5/S1.1.
- NEW COMMUNICATION PULLBOX. MINIMUM PULLBOX SIZE, 2' X 3'. STAMP LID 'COMM'.
- CONTRACTOR SHALL EXTEND (4) 2" CONDUITS FROM NEW PULLBOX 'APB10' TO NEW IDF CABINET THROUGH BUILDING FOOTING. SEE DETAIL 5/S1.1.
- CONTRACTOR SHALL INTERCEPT (4) 2" CONDUIT STUB-OUTS FROM 'APB8' AND EXTEND TO NEW REBOX CABINET 'C120'.

ELECTRICAL SITE PLAN

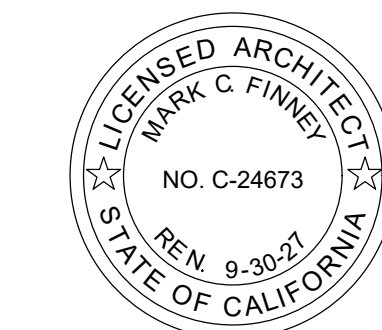
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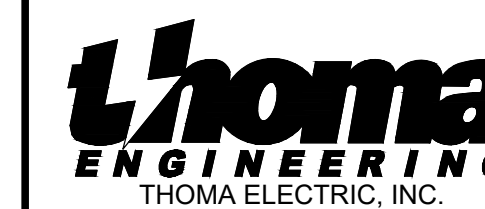
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SUITE 250
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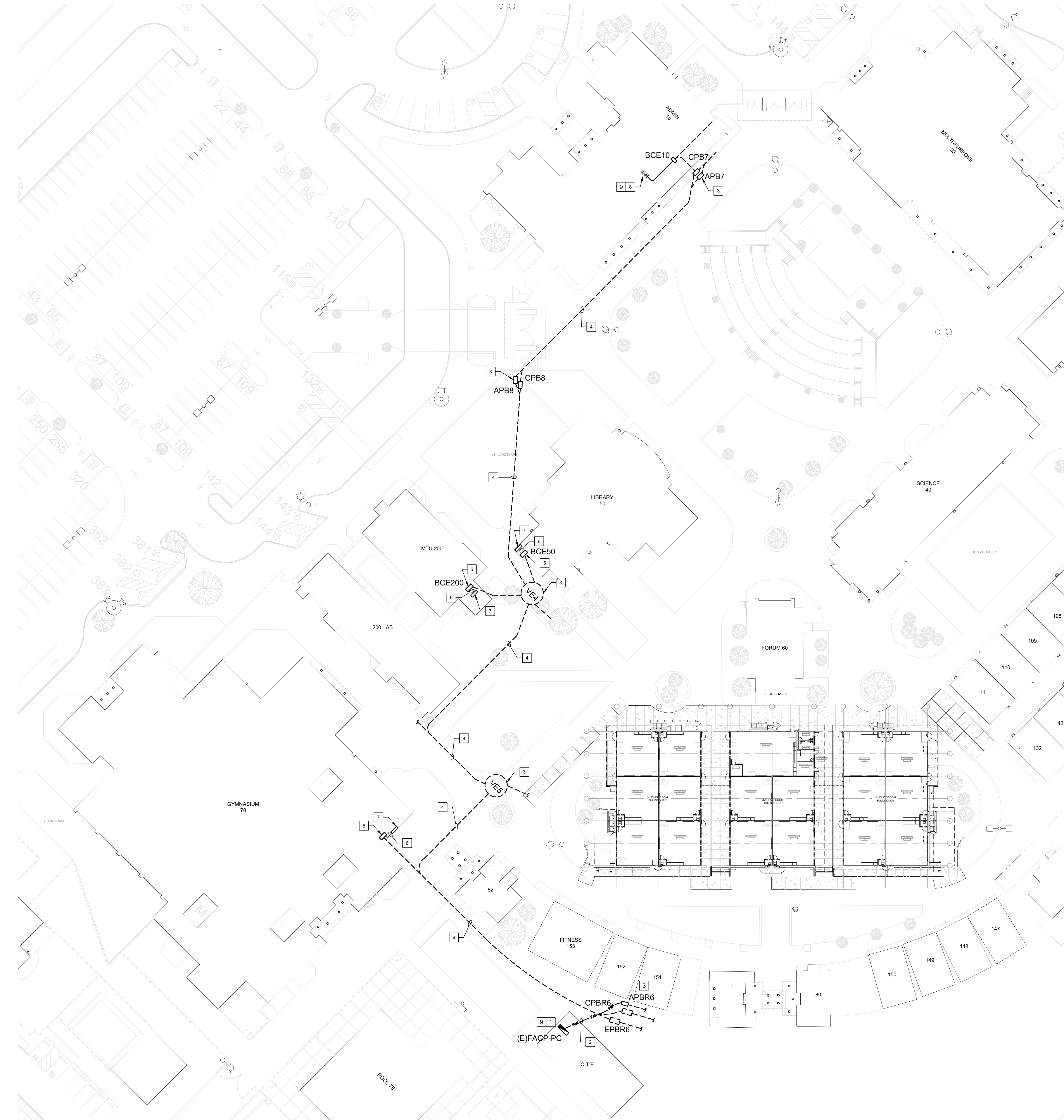
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P.O. Box 1167 - 3562 Empero St.
San Luis Obispo, CA 93406
Phone: (805) 543-3850
Fax: (805) 543-3829
ca2@thomaelec.com

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

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FIRE ALARM FIBER OPTIC SITE PLAN

SCALE: 1" = 30'-0"

REFERENCE NOTES

- EXISTING FIRE ALARM PANEL IN PATIENT CARE BUILDING SHALL REMAIN.
- CONTRACTOR SHALL PROCURE AND INSTALL NEW FIRE ALARM FIBER CABLE FROM THE EXISTING PATIENT CARE BUILDING FIRE ALARM CONTROL PANEL TO THE ANNUNCIATOR PANEL IN ADMIN BUILDING THROUGH EXISTING PATHWAYS AND PULLBOXES. FIBER ROUTING SHALL BE AS FOLLOWS: PATIENT CARE BUILDING TO GYM BUILDING, GYM BUILDING TO BUILDING 200, BUILDING 200 TO LIBRARY, AND LIBRARY TO ADMIN BUILDING. FIBER SHALL BE 6-STRAND, MULTI-MODE, 62.5UM, OUTDOOR-RATED WITH RED JACKET. APPROXIMATE LENGTH 1,200 LF.
- EXISTING PULLBOX SHALL REMAIN. PULLBOX NAMING CONVENTION SHALL BE AS SHOWN. EXISTING COMMUNICATIONS FIRE ALARM PULLBOXES SHALL BE UTILIZED FOR INSTALLATION OF NEW FIBER CABLE.
- APPROXIMATE FIRE ALARM PATHWAY ROUTING IS SHOWN. EXISTING PATHWAYS SHALL REMAIN. CONTRACTOR SHALL RE-USE EXISTING PATHWAYS FOR INSTALLATION OF NEW FIBER CABLE.
- EXISTING PULL BOXES IN EXISTING ELECTRICAL ROOMS SHALL REMAIN.
- CONTRACTOR SHALL INSTALL 1" CONDUIT FROM EXISTING PULLBOXES, IN THE ELECTRICAL ROOM TO THE NEW FIRE ALARM FIBER ENCLOSURE. REFER TO NOTE 7.
- CONTRACTOR SHALL PROCURE AND INSTALL A NEW FIRE ALARM FIBER ENCLOSURE. CONTRACTOR SHALL INSTALL THE CABINET AND CONTINUE FIBER ROUTING TO THE NEXT BUILDING AS SPECIFIED ON NOTE 2. BASIS OF DESIGN 18X18X6 NEMA1 ENCLOSURE WITH SCREW COVER. CONTRACTOR SHALL PROVIDE A SERVICE LOOP AT EACH NEW ENCLOSURE FOR FUTURE USE. REFER TO DETAIL 8/E5.5.
- EXISTING FIRE ALARM ANNUNCIATOR AT THE ADMIN BUILDING SHALL REMAIN. CONTRACTOR SHALL TERMINATE NEW FIBER WITHIN THE ANNUNCIATOR PANEL.
- CONTRACTOR SHALL PROCURE AND INSTALL NEW FIBER TERMINATION MODULES AT THE FIRE ALARM ANNUNCIATOR PANEL IN THE ADMIN BUILDING AND A THE FIRE ALARM CONTROL PANEL IN THE THE PATIENT CARE BUILDING. BASIS OF DESIGN: GAMEWELL/FCI FML-E3 F.O. MODULE.

GENERAL SITE PLAN NOTES

- TRENCHING AND BACKFILLING FOR ALL CONDUIT SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL CONDUITS SHALL HAVE MINIMUM COVER REQUIREMENTS AS SPECIFIED IN CEC 300.5. MORE STRINGENT DEPTH REQUIREMENTS MAY BE IMPOSED BY PROJECT SPECIFICATION. JOINT TRENCHING MAY BE UTILIZED WHERE PRACTICABLE AND WERE PERMITTED BY THIS SPECIFICATION.
- LOCATIONS OF EXISTING UNDERGROUND (UG) UTILITY SYSTEMS SHALL BE DETERMINED BY CALLING UNDERGROUND SERVICE ALERT (USA). WHEN PLANNING UNDERGROUND WORK, AND BEFORE YOU DIG, CONTACT UNDERGROUND SERVICE ALERT (USA) AT LEAST 48 HOURS PRIOR TO EXCAVATION (WEEKENDS EXCLUDED) FOR THE LOCATION OF UNDERGROUND GAS AND ELECTRIC LINES OR EQUIPMENT.
- MAINTAIN REQUIRED CLEARANCES FROM ALL SANITARY SEWER, WATER AND STORM DRAIN PIPING. REFER TO CIVIL PLANS FOR EXACT LOCATIONS AND DEPTHS OF PIPING.
- PUMPING OF EXCESS WATER FROM EXISTING PULL BOXES, IF REQUIRED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COORDINATE WITH DISTRICT FOR APPROPRIATE DISPOSAL OF EXCESS WATER.
- THE EXACT QUANTITY, LOCATION AND DEPTHS OF EXISTING UNDERGROUND PIPING AND CONDUITS IS UNKNOWN, FIELD VERIFY AND MAINTAIN EXISTING UTILITIES IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION AND EXCAVATION OPERATIONS.
- REPAIR AND RECONNECT ALL EXISTING UNDERGROUND PIPING UNCOVERED AND DAMAGED BY NEW WORK AS REQUIRED TO MAINTAIN PROPER SYSTEM FUNCTIONS. RE-TEST ALL SYSTEMS DAMAGED BY NEW WORK.
- SAWCUT AND PATCH ALL SURFACES TO MATCH EXISTING SURFACES (CONCRETE, AC PAVING, ETC.) AS REQUIRED FOR INSTALLATION OF NEW WORK. COMPLETE FIELD VERIFICATION OF THIS WORK IS REQUIRED BY CONTRACTOR. SAWCUT ENTIRE PANEL OUT AND REPLACE ENTIRE PANEL BETWEEN EXPANSION JOINTS (AS APPLICABLE). REFER TO ARCHITECTURAL/ CIVIL DRAWINGS FOR DETAILED INFORMATION.

FIRE ALARM FIBER OPTIC SITE PLAN

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FINNEY ARCHITECTS

2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

LICENCED ARCHITECT

MARK C. FINNEY

NO. C-24673

9-30-27

STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER

THOMAS M. THOMA

NO. 20823

ELECTRICAL

STATE OF CALIFORNIA

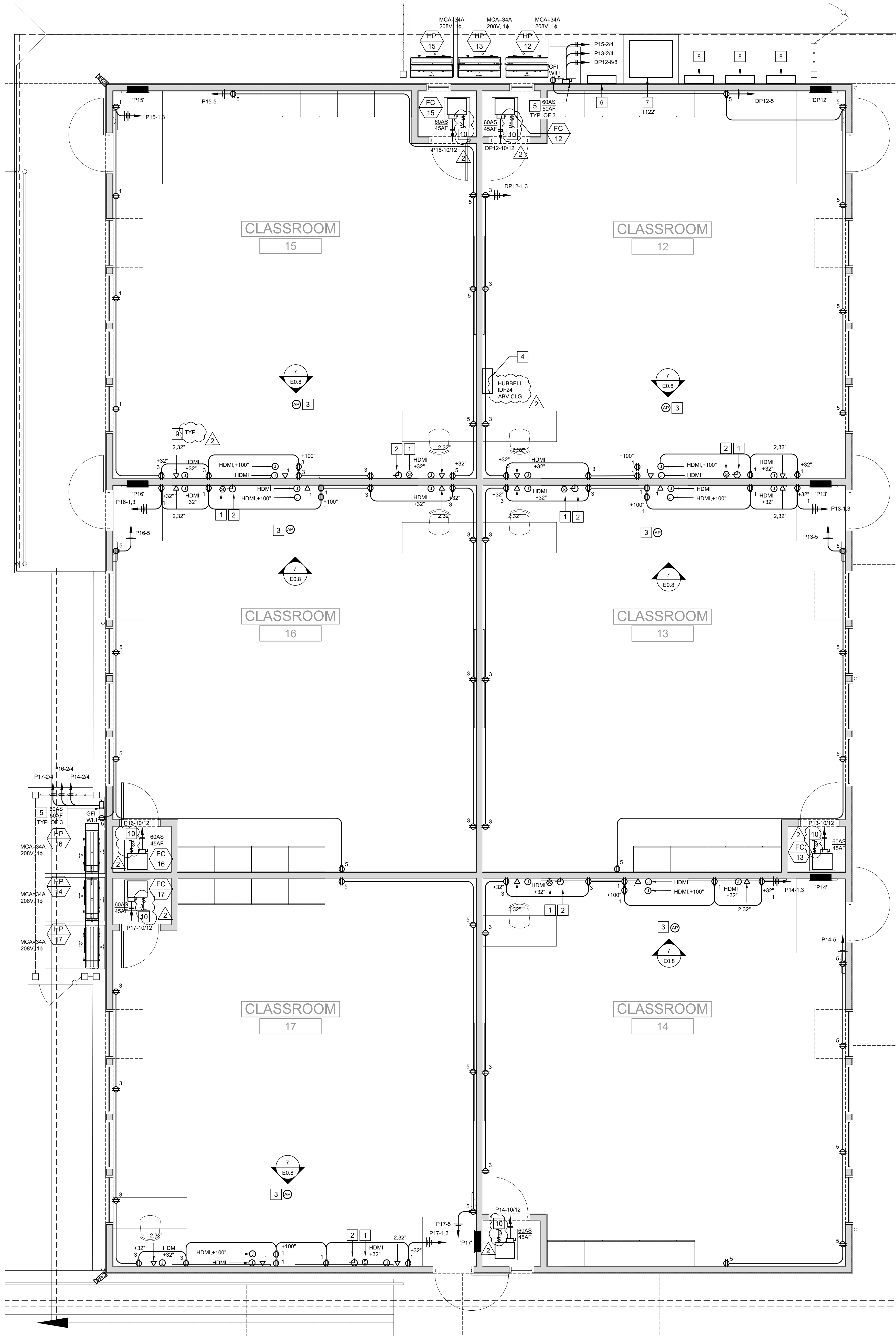
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THOMA ELECTRIC, INC.

P.O. Box 1167 - 3562 Empeleo St.
San Luis Obispo, CA 93405
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT



REFERENCE NOTES

- (N) WALL MOUNTED SPEAKERS FOR INTERCOMBELLSP/A. SPEAKER DEVICE TO BE PROVIDED BY DISTRICT STAFF. CONTRACTOR SHALL INSTALL. SPEAKER SHALL BE A MINIMUM OF 108" AFF. SEE MOUNTING DETAIL 9/E0.6.
- INSTALL WIRELESS, BATTERY POWERED GPS CLOCK (OWNER SHALL FURNISH CLOCK). COORDINATE MOUNTING HEIGHT WITH DISTRICT REPRESENTATIVE.
- CEILING MOUNTED WIRELESS ACCESS POINT. MOUNT PER TELECOMMUNICATIONS DEVICE SCHEDULE AND DETAILS 2/E0.8 & 3/E0.8
- HUBBELL IDF24 SHALL BE USED AS TRANSITION BOX FOR HORIZONTAL DEVICE WIRING. IDF24 SHALL HOUSE MODULAR PATCH PANEL FOR TRANSITION FROM OSP CAT6/6A TO INDOOR RATED CAT6/6A. REFER TO RISER DIAGRAM ON SHEET T0.1. SEE MOUNTING DETAIL 6/E0.6.
- CONTRACTOR SHALL PROCURE AND INSTALL NEW HVAC AC DISCONNECT. RATING AS NOTED. PROVIDE WITH NEMA 3R RATING ENCLOSURE. PROVIDE FLEXIBLE CONNECTION TO CORRESPONDING HVAC UNIT
- TRANSFORMER DISCONNECT, PROVIDE WITH NEMAR 3R ENCLOSURE. REFER TO SINGLELINE DIAGRAM FOR RATING INFORMATION.
- NEW TRANSFORMER. PROVIDE WITH NEMA 3R ENCLOSURE AND REFER TO SINGLE LINE DIAGRAM FOR TRANSFORMER SPECIFICATION. SEE MOUNTING DETAIL 2/E0.6.
- TYPICAL BUILDING DISCONNECT(S). REFER TO SINGLE LINE DIAGRAM FOR AC DISCONNECT SPECIFICATION. PROVIDE WITH NEMA 3R RATING. SEE MOUNTING DETAIL 6/E0.7.
- DATA RECEPTACLE-SEE DEVICE SCHEDULE & GENERAL TELECOMMUNICATION PLAN NOTES ON SHEET T0.0. REFER TO DETAIL 1 & 5/E0.8 FOR DATA OUTLET NAMING/LABELING CONVENTIONS.
- INDOOR UNIT POWERED BY OUTDOOR UNIT. CONTRACTOR SHALL EXTEND POWER PER MANUFACTURER RECOMMENDATIONS.

GENERAL POWER PLAN NOTES

- FUSING: ALL FUSIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL-ELEMENT TIME DELAY TYPE FUSES SIZED AND RATED PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.
- INSTALL SEPARATE NEUTRALS FOR EACH BRANCH CIRCUIT.
- MOTOR OVERLOAD PROTECTION: WHERE REQUIRED BY NEC ARTICLE 430 PART C AND NOT SHOWN ON PLAN OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL MOTORS.
- SPARE CONDUIT FOR RECESSED PANELS: PROVIDE (1) 3/4" SPARE CONDUIT STUB UP TO ACCESSIBLE ABOVE CEILING SPACE AND/OR ACCESSIBLE SPACE BELOW FOR EVERY (3) SPARE BREAKER SPACES AS INDICATED ON PANEL SCHEDULES.
- DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.
- ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS.



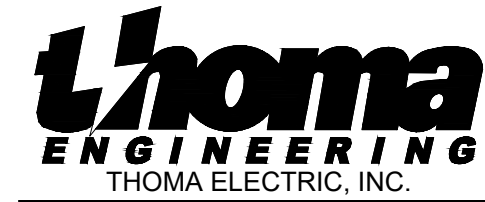
POWER AND COMMUNICATION FLOOR PLAN - BUILDING 122

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

(DSA STAMP AREA)



2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450



P.O. Box 1167 - 3562 Empeo St.
San Luis Obispo, CA 93406
Phone: (805) 543-3850
Fax: (805) 543-3829
ca2@thomaelec.com

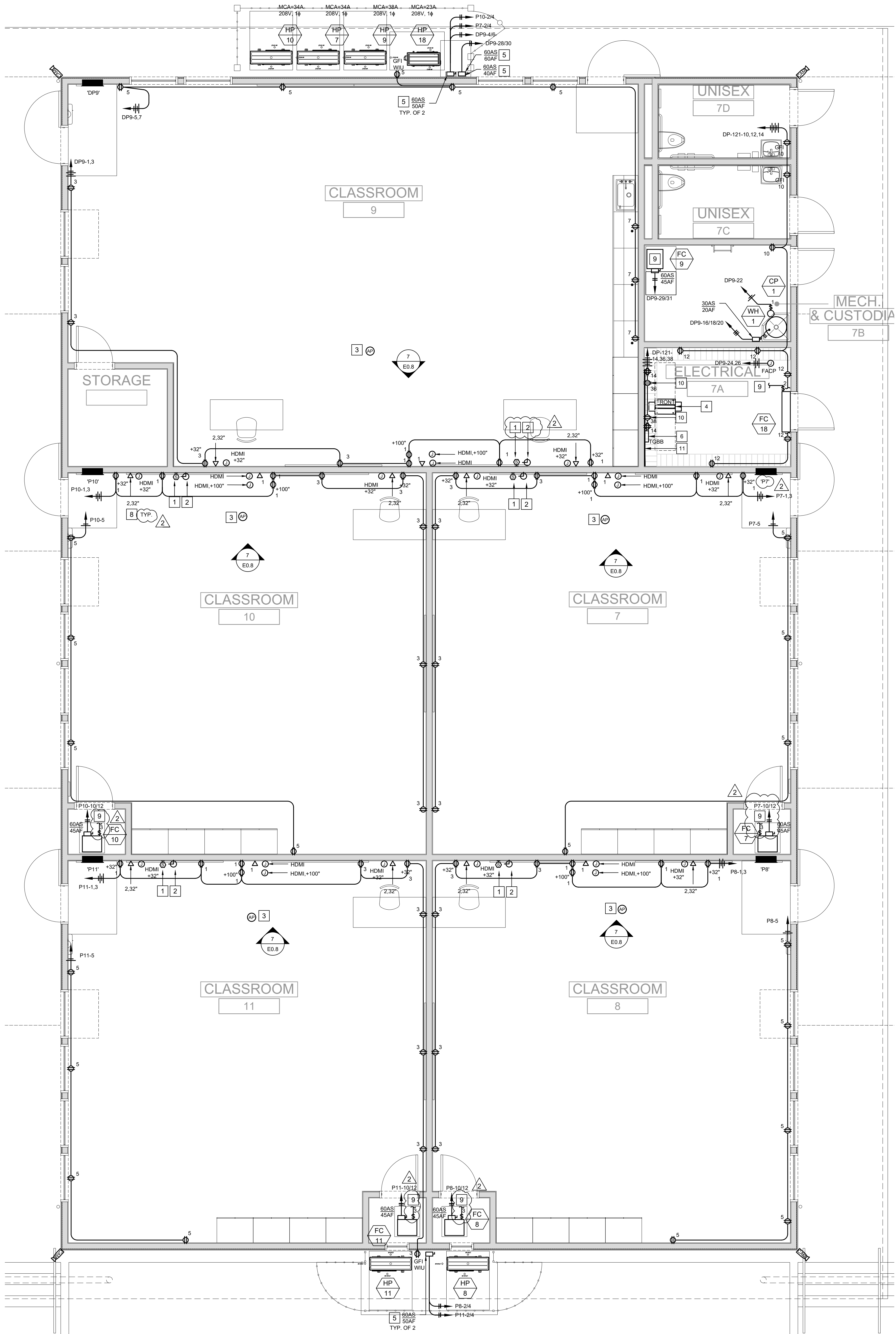
POWER AND COMMUNICATION FLOOR PLAN
BUILDING 122

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

NO.	ITEM	DATE
1	ADDENDUM 1	07/22/26
2	ADDENDUM 2	08/05/26

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 09/30/2025

E2.1



POWER AND COMMUNICATION FLOOR PLAN - BUILDING 121

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

REFERENCE NOTES

- (N) WALL MOUNTED SPEAKERS FOR INTERCOMBELLS/PA. SPEAKER DEVICE TO BE PROVIDED BY DISTRICT STAFF. CONTRACTOR SHALL INSTALL. SPEAKER SHALL BE A MINIMUM OF 108" AFF. SEE MOUNTING DETAIL 9/E0.8.
- INSTALL WIRELESS, BATTERY POWERED GPS CLOCK (OWNER SHALL FURNISH CLOCK). COORDINATE MOUNTING HEIGHT WITH DISTRICT REPRESENTATIVE.
- CEILING MOUNTED WIRELESS ACCESS POINT. MOUNT PER TELECOMMUNICATIONS DEVICE SCHEDULE AND DETAILS 2/E0.8 & 3/E0.8.
- 2-POST DATA RACK. MOUNTING AND ANCHORAGE PER DETAIL 9/E0.8. SEE RISER DIAGRAM ON SHEET T0.1. SEE ELEVATION DETAIL 8/E0.8.
- CONTRACTOR SHALL PROCURE AND INSTALL NEW HVAC AC DISCONNECT. RATING AS NOTED. PROVIDE WITH NEMA 3R RATING ENCLOSURE. PROVIDE FLEXIBLE CONNECTION TO CORRESPONDING HVAC UNIT. SEE MOUNTING DETAIL 6/E0.7.
- TELECOMMUNICATIONS GROUND BUS BAR 'TGBB'. REFER TO DETAIL 4/E0.7.
- 12" WIDE X 6" DEEP LADDER RACK PER BASIS OF DESIGN. MOUNTING PER DETAIL 3/E0.7.
- DATA RECEPTACLE. SEE DEVICE SCHEDULE & GENERAL TELECOMMUNICATION PLAN NOTES ON SHEET T0.0. REFER TO DETAIL 1 & 5/E0.8 FOR DATA OUTLET NAMING/LABELING CONVENTIONS.
- INDOOR UNIT POWERED BY OUTDOOR UNIT. CONTRACTOR SHALL EXTEND POWER PER MANUFACTURER RECOMMENDATIONS.
- IDF, 125V RATED, 30A TWIST-LOCK RECEPTACLE (L5-30R).
- CONTRACTOR SHALL INSTALL 3/4" THICK, 4' X 8' FIRE RATED PLYWOOD.

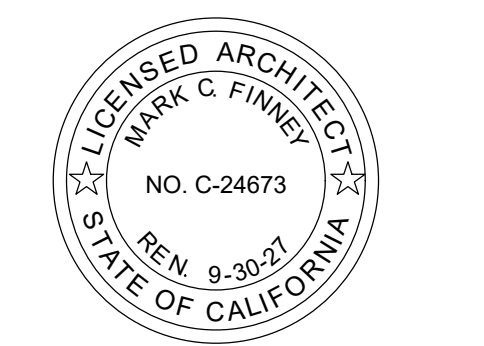
GENERAL POWER PLAN NOTES

- FUSING: ALL FUSIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL-ELEMENT TIME DELAY TYPE FUSES SIZED AND RATED PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.
- INSTALL SEPARATE NEUTRALS FOR EACH BRANCH CIRCUIT.
- MOTOR OVERLOAD PROTECTION: WHERE REQUIRED BY NEC ARTICLE 430 PART C AND NOT SHOWN ON PLAN OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL MOTORS.
- SPARE CONDUIT FOR RECESSED PANELS: PROVIDE (1) 3/4" SPARE CONDUIT STUB UP TO ACCESSIBLE ABOVE CEILING SPACE AND/OR ACCESSIBLE SPACE BELOW FOR EVERY (5) SPARE BREAKER SPACES AS INDICATED ON PANEL SCHEDULES.
- DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.
- ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS.

(DSA STAMP AREA)

FINNEY ARCHITECTS

2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450



thoma ENGINEERING
THOMA ELECTRIC, INC.

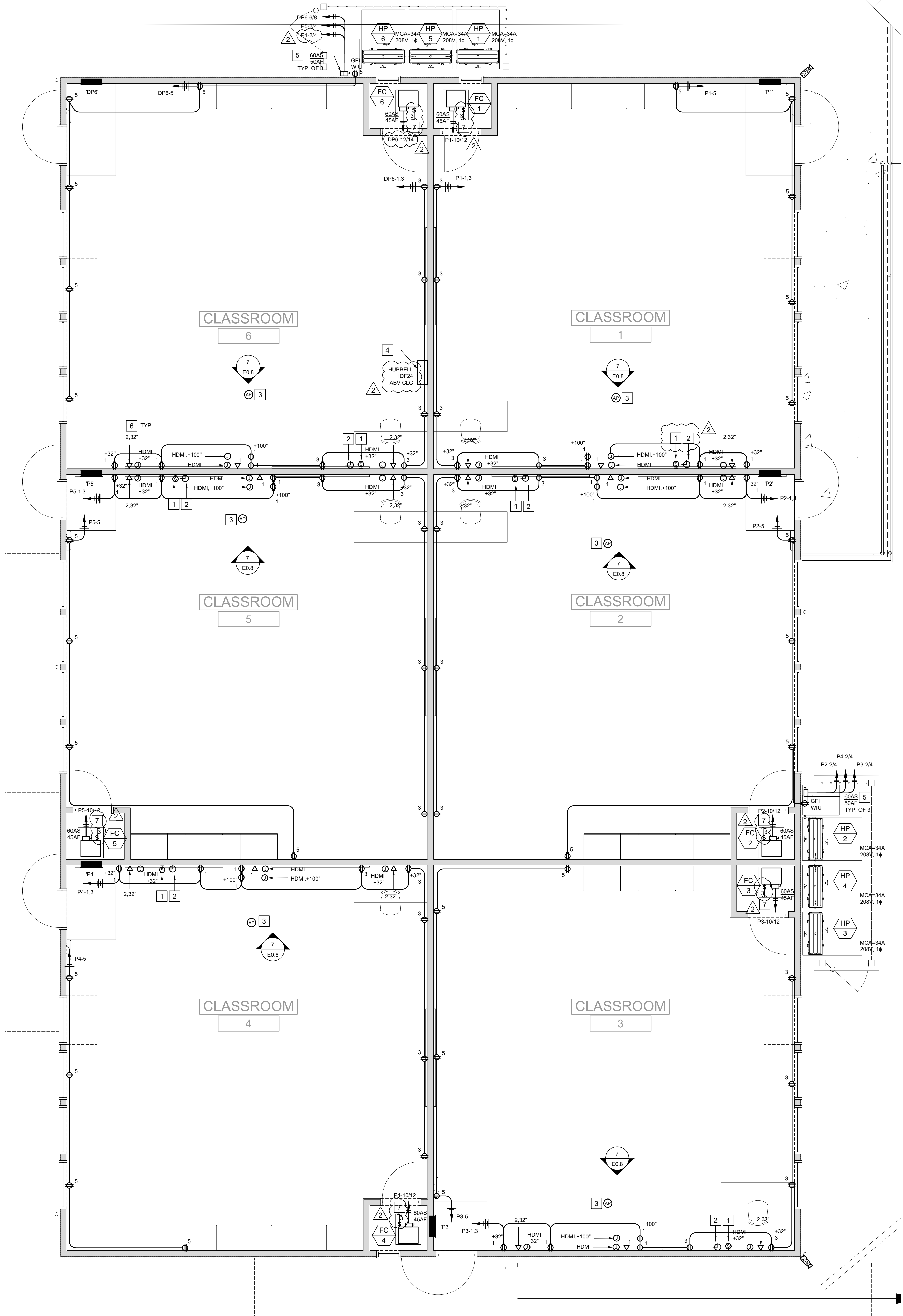
P.O. Box 1167 - 3562 Empero St.
San Luis Obispo, CA 93405
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

POWER AND COMMUNICATION FLOOR PLAN
BUILDING 121

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

NO.	ITEM	DATE
1	ADDENDUM 1	07/22/26
2	ADDENDUM 2	08/05/26

DRAWN BY: AV
CHECKED BY: J.C. RP
PROJECT NO: 25042
DATE: 09/30/2025



REFERENCE NOTES

- (N) WALL MOUNTED SPEAKERS FOR INTERCOMBELL/PA. SPEAKER DEVICE TO BE PROVIDED BY DISTRICT STAFF. CONTRACTOR SHALL INSTALL. SPEAKER SHALL BE A MINIMUM OF 108" AFF. SEE MOUNTING DETAIL 9/E0.6.
- INSTALL WIRELESS, BATTERY POWERED GPS CLOCK (OWNER SHALL FURNISH CLOCK). COORDINATE MOUNTING HEIGHT WITH DISTRICT REPRESENTATIVE.
- CEILING MOUNTED WIRELESS ACCESS POINT. MOUNT PER TELECOMMUNICATIONS DEVICE SCHEDULE AND DETAILS 2/E0.8 & 3/E0.8.
- HUBBELL IDF24 SHALL BE USED AS TRANSITION BOX FOR HORIZONTAL DEVICE WIRING. IDF24 SHALL HOUSE MODULAR PATCH PANEL FOR TRANSITION FROM OSP CAT6/6A TO INDOOR RATED CAT6/6A. REFER TO RISER DIAGRAM ON SHEET T0.1. SEE MOUNTING DETAIL 6/E0.6.
- CONTRACTOR SHALL PROCURE AND INSTALL NEW HVAC AC DISCONNECT. RATING AS NOTED. PROVIDE WITH NEMA 3R RATING ENCLOSURE. PROVIDE FLEXIBLE CONNECTION TO CORRESPONDING HVAC UNIT. SEE MOUNTING DETAIL 6/E0.7.
- DATA RECEIPTABLE. SEE DEVICE SCHEDULE & GENERAL TELECOMMUNICATION PLAN NOTES ON SHEET T0.0. REFER TO DETAIL 1&5/E0.8 FOR DATA OUTLET NAMING/LABELING CONVENTIONS.
- INDOOR UNIT POWERED BY OUTDOOR UNIT. CONTRACTOR SHALL EXTEND POWER PER MANUFACTURER RECOMMENDATIONS.

GENERAL POWER PLAN NOTES

- FUSING: ALL FUSIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL-ELEMENT TIME DELAY TYPE FUSES SIZED AND RATED PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.
- INSTALL SEPARATE NEUTRALS FOR EACH BRANCH CIRCUIT.
- MOTOR OVERLOAD PROTECTION: WHERE REQUIRED BY NEC ARTICLE 430 PART C AND NOT SHOWN ON PLAN OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL MOTORS.
- SPARE CONDUIT FOR RECESSED PANELS. PROVIDE (1) 3/4" SPARE CONDUIT STUB UP TO ACCESSIBLE ABOVE CEILING SPACE AND/OR ACCESSIBLE SPACE BELOW FOR EVERY (3) SPARE BREAKER SPACES AS INDICATED ON PANEL SCHEDULES.
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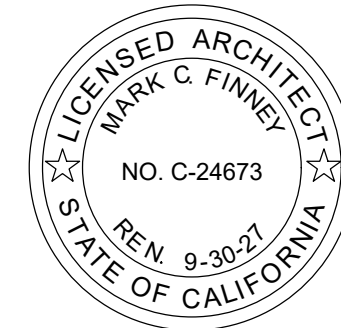
POWER AND COMMUNICATION FLOOR PLAN - BUILDING 120

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

(DSA STAMP AREA)



2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450



EXPIRES: 09/30/26
THOMA #25-8101



P.O. Box 1167 - 3562 Empero St.
San Luis Obispo, CA 93405
Phone: (805) 543-3850
Fax: (805) 543-3829
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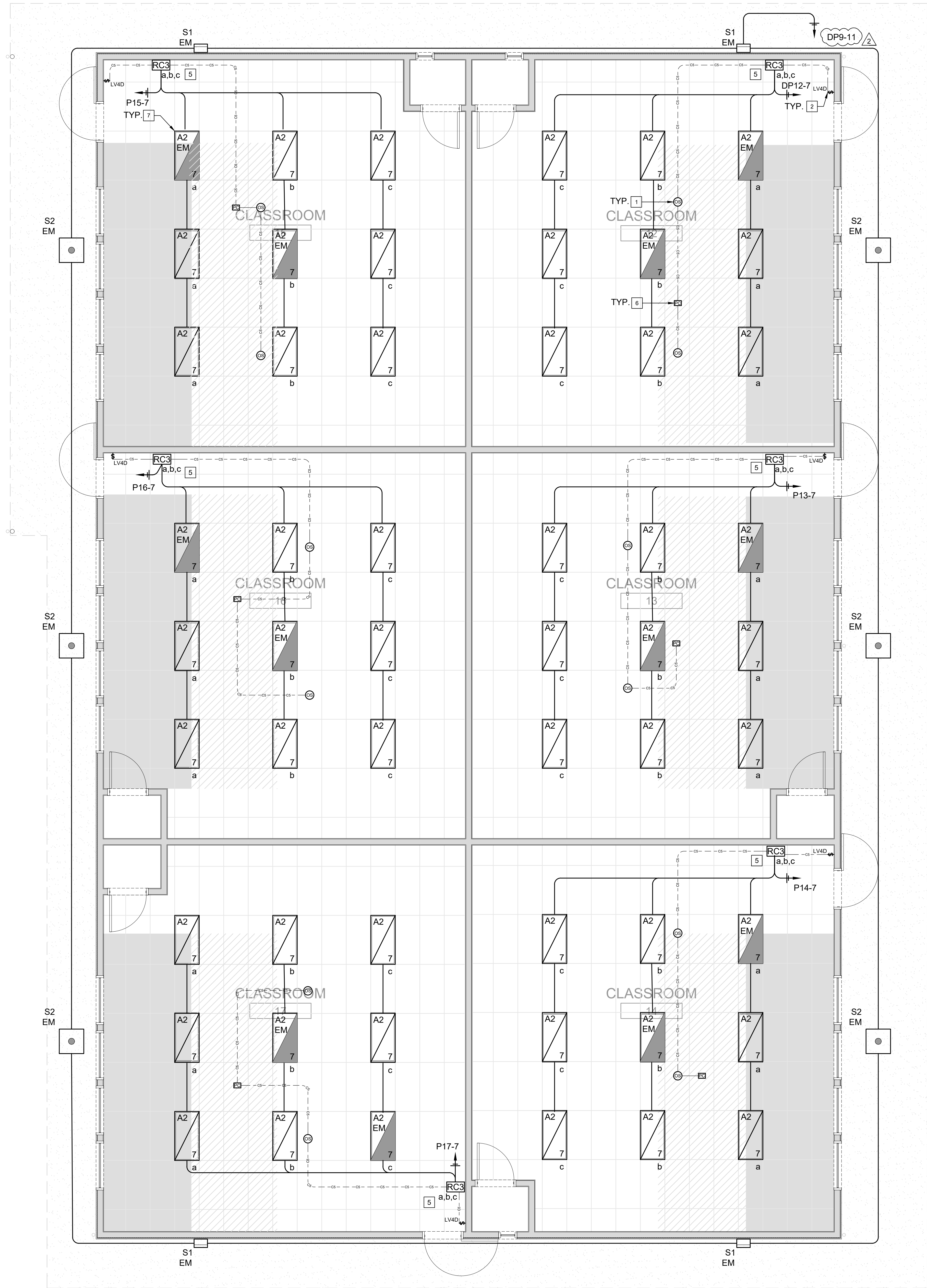
POWER AND COMMUNICATION FLOOR PLAN
BUILDING 120

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

NO.	ITEM	DATE
1	ADDENDUM 1	07/22/26
2	ADDENDUM 2	08/05/26

DRAWN BY:	AV
CHECKED BY:	JC, RP
PROJECT NO:	DATE:
25042	09/30/2025

E2.3



LIGHTING & CONTROL FLOOR PLAN - BUILDING 122
SCALE: 1/4" = 1'-0"
NORTH

REFERENCE NOTES

1. CEILING MOUNT OCCUPANCY SENSOR BOD: LEGRAND WATTSTOPPER LMDC-100.
2. LOW VOLTAGE SWITCH: PROVIDE (3-WAY, 4-WAY) CONFIGURATION AS SHOWN. BASIS OF DESIGN: LEGRAND WATTSTOPPER LMSW-211 OR MS SW222. CONTRACTOR TO CONNECT TO LIGHTING CONTROL SYSTEM.
3. LINE VOLTAGE SWITCH: ELECTRICAL ROOM EXEMPT FROM SHUT OFF CONTROLS.
4. LINE VOLTAGE SWITCH W/INTEGRATED OCCUPANCY SENSOR: PROVIDE SWITCH WITH 2-POLE CONFIGURATION. POLE 'a' SHALL CONTROL LIGHTS, AND POLE 'b' SHALL CONTROL EXHAUST FAN. BASIS OF DESIGN: LEGRAND PW-302-W.
5. DLM ROOM CONTROLLER: PROVIDE WITH 3-RELAY CONFIGURATION WITH 0-10V DIMMING. BASIS OF DESIGN: LEGRAND LMRC-213-U.
6. MULTI-ZONE SWITCHING AND DIMMING OPEN LOOP DIGITAL PHOTOSENSOR: PROVIDE ONE PER ZONE AS SHOWN ON PLANS. BASIS OF DESIGN: LEGRAND LMLS-500.
7. EMERGENCY LUMINAIRES: PROVIDE WITH BATTERY BACKUP FOR BACKUP EMERGENCY FOR A MINIMUM OF 90-MINUTES DURATION. REFER TO LUMINAIRE SCHEDULE FOR LUMINAIRE SPECIFICATION.
8. LINE VOLTAGE SWITCH W/INTEGRATED OCCUPANCY SENSOR: BASIS OF DESIGN: LEGRAND DSW-301-W.

GENERAL LIGHTING PLAN NOTES

- A. LIGHTING FIXTURE LOCATIONS SHOWN ARE SCHEMATIC. REFER TO ARCHITECTURAL PLANS (REFLECTED CEILING, ELEVATIONS, ETC.) FOR EXACT LOCATIONS AND MOUNTING HEIGHTS PRIOR TO ROUGH-IN.
- B. REFER TO ARCHITECT'S REFLECTED CEILING PLAN(S) FOR CEILING HEIGHTS, TYPES, FINISHES, ETC. IN EACH AREA. VERIFY FLANGE TYPES, TRIM KITS, STEM LENGTHS, ETC. FOR ALL FIXTURES PRIOR TO SUBMITTALS.
- C. CONFIRM LOCATION OF ALL DOORS SWINGS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN OF SWITCHES.
- D. PROVIDE UNSWITCHED HOT LEG OF ROOM LIGHTING BRANCH CIRCUIT TO EACH BATTERY POWERED EMERGENCY LIGHT AND EXIT SIGN FOR CONTINUOUS CHARGING.

LIGHTING CONTROL GENERAL NOTES

- A. CONTRACTOR TO PROVIDE COMPLETE SHOP DRAWINGS DIRECT FROM MANUFACTURER SPECIFIC TO THIS PROJECT FOR THE INTERIOR LIGHTING CONTROL SYSTEM AND USE FOR CONSTRUCTION.
- B. VERIFY OCCUPANCY SENSOR SETTING FOR EACH TYPE OF ROOM WITH OWNER AND ADJUST AS DIRECTED BY OWNER.
- C. VERIFY EACH RELAY PROGRAMMING WITH OWNER AND PROGRAM EACH AS DIRECTED BY OWNER.
- D. PROVIDE OWNER IN SERVICE TRAINING FOR LIGHTING CONTROL SYSTEM.
- E. WHERE MULTIPLE CHANNEL CONTROLS HAVE BEEN PROVIDED IN A ROOM OR SPACE, VERIFY FIXTURE ZONING REQUIREMENTS WITH OWNER PRIOR TO PRODUCING SHOP DRAWINGS AND INSTALLATION.

T24 DAYLIGHT AREAS

- SOLID SHADING DEPICTS PRIMARY SIDEWALL DAYLIGHT ZONE
- CROSS HATCH PATTERN SHADING DEPICTS SECONDARY SIDEWALL DAYLIGHT ZONE
- DOUBLE CROSS HATCH SHADING DEPICTS PRIMARY SKY LIT DAYLIGHT ZONE

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

REGISTERED ARCHITECT
MARK C. FINNEY
NO. C-24673
9-30-21
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
THOMAS M. THOMA
NO. 20823
ELECTRICAL
STATE OF CALIFORNIA
EXPIRES: 09/30/26
THOMA #25-8101

thoma ENGINEERING
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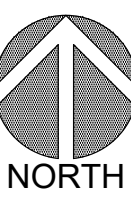
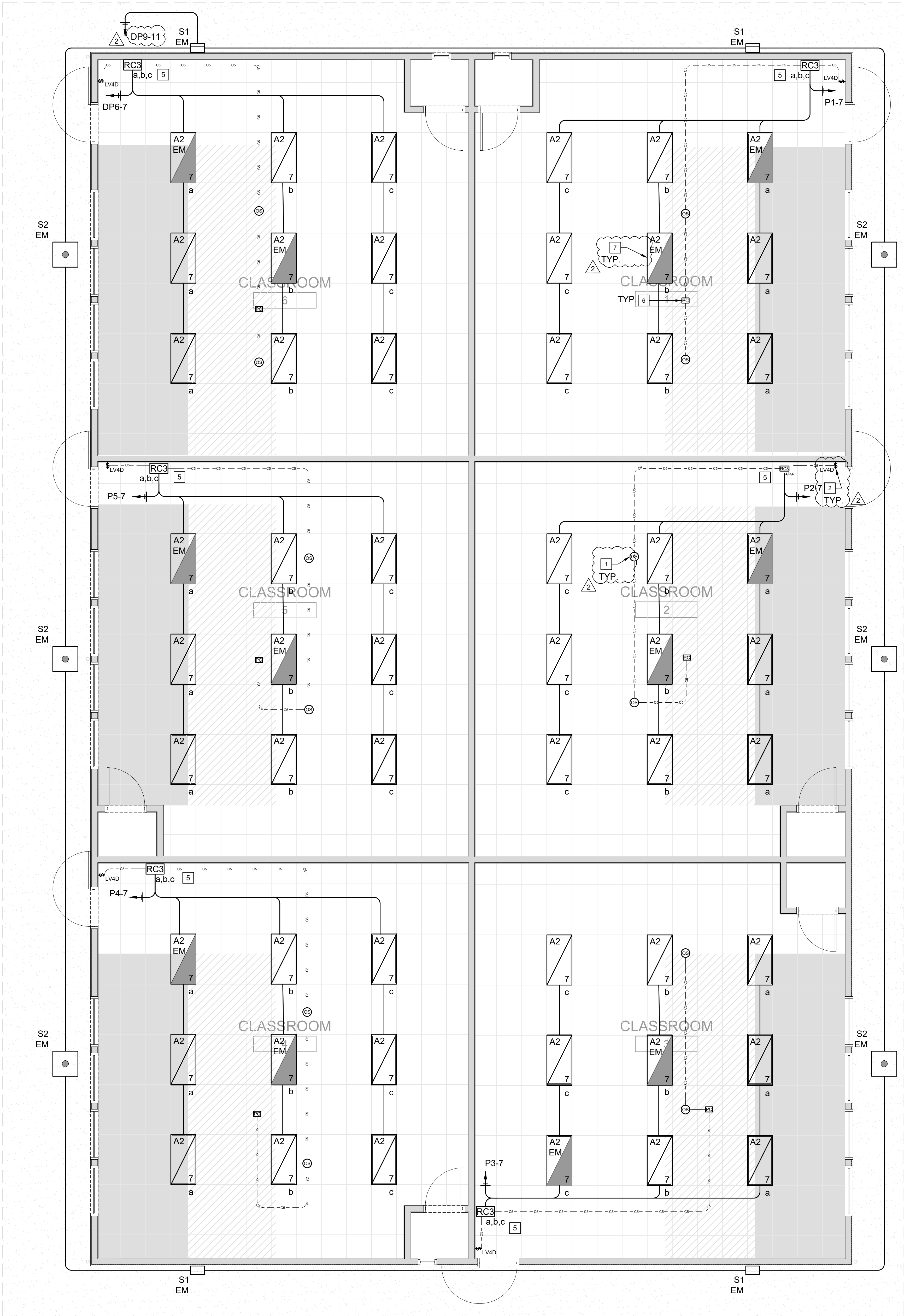
**LIGHTING & CONTROL FLOOR PLAN
BUILDING 122**

**NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT**

NO.	ITEM	DATE
1	ADDENDUM 1	07/22/26
2	ADDENDUM 2	08/05/26

DRAWN BY:	AV
CHECKED BY:	JC, RP
PROJECT NO:	DATE:
25042	09/30/2025

E3.1



LIGHTING AND CONTROL FLOOR PLAN - BUILDING 120

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

REFERENCE NOTES

1. CEILING MOUNT OCCUPANCY SENSOR BOD: LEGRAND WATTSTOPPER LMDC-100.
2. LOW VOLTAGE SWITCH: PROVIDE (3-WAY, 4-WAY) CONFIGURATION AS SHOWN. BASIS OF DESIGN: LEGRAND WATTSTOPPER LMSW-211 OR MS SW222. CONTRACTOR TO CONNECT TO LIGHTING CONTROL SYSTEM.
3. LINE VOLTAGE SWITCH: ELECTRICAL ROOM EXEMPT FROM SHUT OFF CONTROLS.
4. LINE VOLTAGE SWITCH W/INTEGRATED OCCUPANCY SENSOR: PROVIDE SWITCH WITH 2-POLE CONFIGURATION. POLE 'a' SHALL CONTROL LIGHTS, AND POLE 'b' SHALL CONTROL EXHAUST FAN. BASIS OF DESIGN: LEGRAND PW-302-W.
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6. MULTI-ZONE SWITCHING AND DIMMING OPEN LOOP DIGITAL PHOTOSENSOR. PROVIDE ONE PER ZONE AS SHOWN ON PLANS. BASIS OF DESIGN: LEGRAND LMLS-500.
7. EMERGENCY LUMINAIRES. PROVIDE WITH BATTERY BACKUP FOR BACKUP EMERGENCY FOR A MINIMUM OF 90-MINUTES DURATION. REFER TO LUMINAIRE SCHEDULE FOR LUMINAIRE SPECIFICATION.
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GENERAL LIGHTING PLAN NOTES

- A. LIGHTING FIXTURE LOCATIONS SHOWN ARE SCHEMATIC. REFER TO ARCHITECTURAL PLANS (REFLECTED CEILING, ELEVATIONS, ETC.) FOR EXACT LOCATIONS AND MOUNTING HEIGHTS PRIOR TO ROUGH-IN.
- B. REFER TO ARCHITECT'S REFLECTED CEILING PLAN(S) FOR CEILING HEIGHTS, TYPES, FINISHES, ETC. IN EACH AREA. VERIFY FLANGE TYPES, TRIM KITS, STEM LENGTHS, ETC. FOR ALL FIXTURES PRIOR TO SUBMITTALS.
- C. CONFIRM LOCATION OF ALL DOORS SWINGS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN OF SWITCHES.
- D. PROVIDE UNSWITCHED HOT LEG OF ROOM LIGHTING BRANCH CIRCUIT TO EACH BATTERY POWERED EMERGENCY LIGHT AND EXIT SIGN FOR CONTINUOUS CHARGING.

LIGHTING CONTROL GENERAL NOTES

- A. CONTRACTOR TO PROVIDE COMPLETE SHOP DRAWINGS DIRECT FROM MANUFACTURER SPECIFIC TO THIS PROJECT FOR THE INTERIOR LIGHTING CONTROL SYSTEM AND USE FOR CONSTRUCTION.
- B. VERIFY OCCUPANCY SENSOR SETTING FOR EACH TYPE OF ROOM WITH OWNER AND ADJUST AS DIRECTED BY OWNER.
- C. VERIFY EACH RELAY PROGRAMMING WITH OWNER AND PROGRAM EACH AS DIRECTED BY OWNER.
- D. PROVIDE OWNER IN SERVICE TRAINING FOR LIGHTING CONTROL SYSTEM.
- E. WHERE MULTIPLE CHANNEL CONTROLS HAVE BEEN PROVIDED IN A ROOM OR SPACE, VERIFY FIXTURE ZONING REQUIREMENTS WITH OWNER PRIOR TO PRODUCING SHOP DRAWINGS AND INSTALLATION.

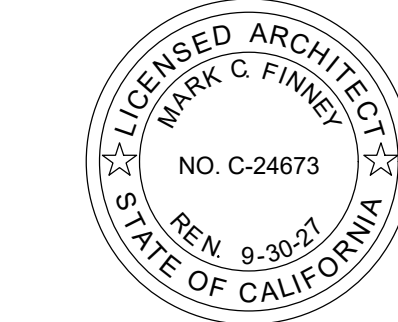
T24 DAYLIGHT AREAS

- SOLID SHADING DEPICTS PRIMARY SIDE/LIT DAYLIGHT ZONE
- CROSS HATCH PATTERN SHADING DEPICTS SECONDARY SIDE/LIT DAYLIGHT ZONE
- DOUBLE CROSS HATCH SHADING DEPICTS PRIMARY SKY/LIT DAYLIGHT ZONE

DATE OF PLOT



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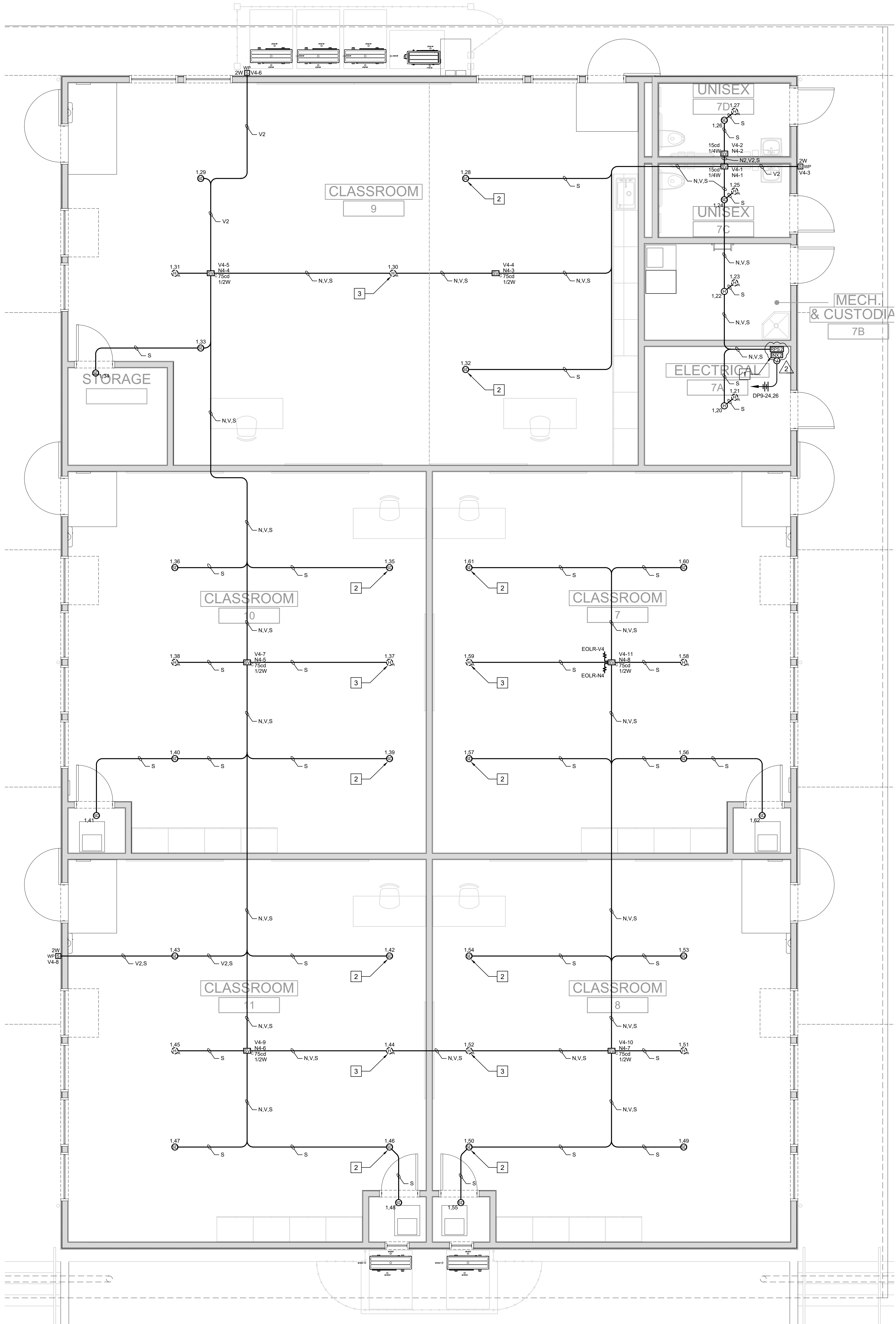
LIGHTING AND CONTROL FLOOR PLAN
BUILDING 120

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

NO.	ITEM	DATE
1	ADDENDUM 1	07/22/26
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DRAWN BY:	AV
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PROJECT NO:	DATE:
25042	09/30/2025

E3.3



REFERENCE NOTES

1. FIRE ALARM INX TRANSPONDER "INX-2" AND REMOTE POWER SUPPLY "RPS-2". SEE FIRE ALARM RISER DIAGRAM SHEET E5.4. SEE MOUNTING DETAIL 6E0.7.
2. MOUNT DETECTOR WITHIN 3FT OF PEAK OF CEILING.
3. MOUNT DETECTOR WITHIN 3FT OF PEAK OF ROOF.

FIRE ALARM CABLING SCHEDULE

N	NAC/VISUAL	(2)#14 TWISTED UNSHIELDED
V	VAC/VOICE	(2)#14 TWISTED SHIELDED
S	SLC	(2)#18 TWISTED UNSHIELDED

- NOTE:
1. SEE CABLING SCHEDULE ON FIRE ALARM RISER SHEET E-5.4 FOR COMPLETE FIRE ALARM CABLING REQUIREMENTS.
 2. CONDUIT SIZE 1" MINIMUM, UNLESS OTHERWISE NOTED.
 3. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN A CONDUIT OR RACEWAY SYSTEM U.O.N



FIRE ALARM FLOOR PLAN - BUILDING 121

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

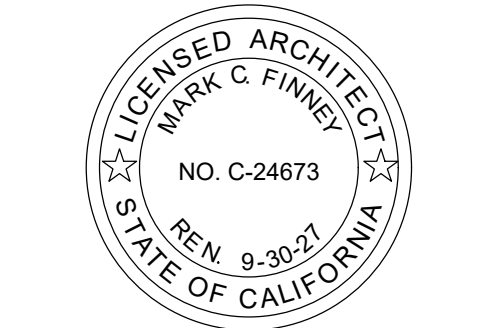
FIRE ALARM FLOOR PLAN
BUILDING 121

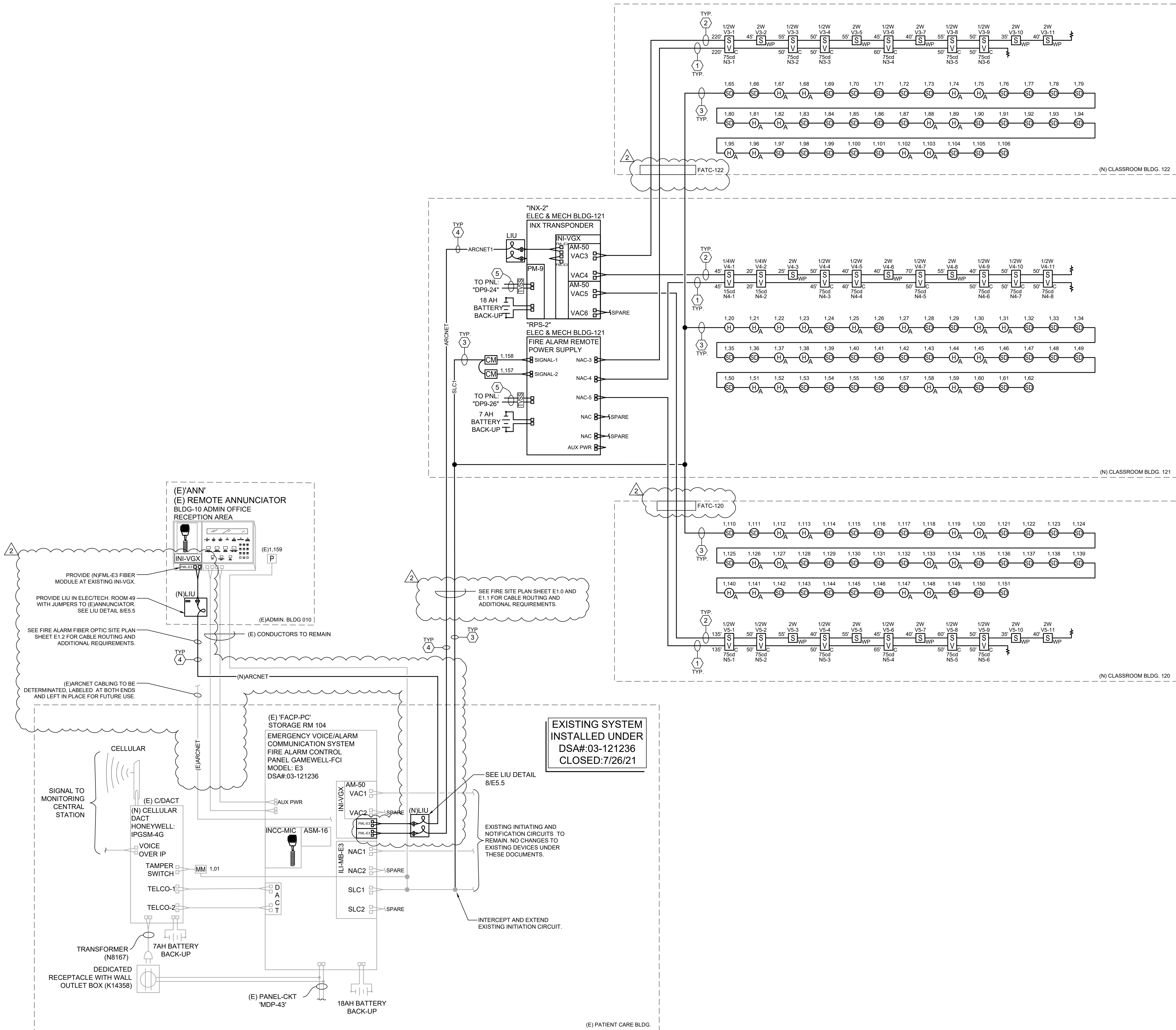
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DRAWN BY: AV
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PROJECT NO: 25042
DATE: 09/30/2025

E5.2





FIRE ALARM SYMBOLS LEGEND:		
SYMBOL	MODEL #	CSFM #
	(E) EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM (EVACS) FIRE ALARM CONTROL PANEL GAMEWELL-FCI: MODEL E3 DSA#03-121236	7165-1703.0125
	WITH EXISTING COMPONENTS: INTELEGENT LOOP INTERFACE MASTER BOARD: IL-MB-E3 LCD KEYPAD DISPLAY: LCD-E3 ADDRESSABLE SWITCH MODULE: ASM-16 DIGITAL ALARM COMMUNICATOR TRANSMITTER: DACT-E3 MICROPHONE: INCC-MIC TRANSPONDER VOICE GATEWAY: INI-VGX AMPLIFIER: AM-50 POWER SUPPLY MODULE: PM-9	7165-1703.0176
	(E) REMOTE ANNUNCIATOR PANEL GAMEWELL-FCI: LCD-E3-DISPLAY GAMEWELL-FCI: INCC-MIC (N) GAMEWELL-FCI: FAL-E3	7165-1703.0125
	COMMUNICATOR TRANSMITTER HONEYWELL (ADEMCO): HWF-24-COM	7300-1703.0102
	(E) MANUAL PULL STATION GAMEWELL-FCI: MS-TAF	7150-1703.0119
	(E) MONITOR MODULE GAMEWELL-FCI: AMM-2F	7300-1703.0102
	(N) INTELLIGENT NETWORK GAMEWELL-FCI: INI-VGX -AM-50-25 -PM-9 -FAL-E3 -COOPER DSM-12/24	7165-1703.0125
	REMOTE POWER SUPPLY: GAMEWELL-FCI: FPH-PS6	7315-1637.0505
	PHOTO SMOKE DETECTOR GAMEWELL-FCI: ASD-PL3 BASE-GAMEWELL-FCI: B300-6	7272-1703.0501
	HEAT DETECTOR GAMEWELL-FCI: ATD-L3 BASE-GAMEWELL-FCI: B300-6	7270-1703.0502
	HEAT DETECTOR GAMEWELL-FCI: ATD-L3H BASE-GAMEWELL-FCI: B300-6	7270-1703.0502
	CONTROL MODULE GAMEWELL-FCI: AOM-2SF	7300-1703.0102
	SPEAKER/STROBES-CEILING* WHEELLOCK: ELSPSTR-AL (**SIZES AS PER PLANS) (**SIZES AS PER PLANS)	7320-0785.0505
	SPEAKER/STROBES-WALL* WHEELLOCK: ELSPSTR-AL (**SIZES AS PER PLANS) (**SIZES AS PER PLANS)	7320-0785.0505
	SPEAKER (WEATHER PROOF) WHEELLOCK: ET1010-R (2W EXTERIOR)	7320-0785.0105
	END OF LINE RESISTOR (EOLR)	-

* ENSURE NOTIFICATION DEVICES IS NOT PROVIDED WITH ANY "FIRE" MARKING OR IMPRINT ON THE DEVICE SINCE THIS DEVICE IS USED FOR BOTH FIRE NOTIFICATION AND CARBON MONOXIDE NOTIFICATION.

** DEVICE HAS MULTIPLE CANDELA RATINGS. THE E.C. IS RESPONSIBLE FOR CORRECTLY SETTING EACH STROBE OR SPEAKER/STROBE DEVICE ACCORDING TO THESE FIRE ALARM DRAWINGS.

*** DEVICE HAS MULTIPLE WATTAGE SETTINGS. THE E.C. IS RESPONSIBLE FOR CORRECTLY SETTING EACH SPEAKER OR SPEAKER/STROBE DEVICE ACCORDING TO THESE FIRE ALARM DRAWINGS.

GENERAL NOTES

- APPLIES TO ALL RISER SHEETS
- ALL FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT, 1" MINIMUM.
 - 120 VAC WIRING WILL BE MINIMUM #12 AWG.
 - WIRING SHALL NOT BE LOOPED THROUGH DEVICE TERMINALS. CONDUCTORS MUST BE CUT AND WIRED "IN" AND "OUT" SO THAT ADEQUATE SUPERVISION OF THE CIRCUIT CAN BE MAINTAINED.
 - ALL DEVICES POLARITY MUST BE OBSERVED.
 - FIRE ALARM CONDUIT AND WIRING INSTALLATION SHALL COMPLY WITH CALIFORNIA ELECTRICAL CODE #760.
 - THIS IS A COMPLETE FIRE ALARM SUBMITTAL. If an alternate system is proposed, Contractor shall submit a separate set of engineered plans, specifications, and engineering calculations for prior approval to the Owner, Division of State Architect (DSA), Architect, and Engineer including but not necessarily limited to:
 - All CSFM listing numbers and Manufacturers model numbers for all system components proposed for this system.
 - Complete Riser Diagram with point to point wiring diagrams including battery and voltage drop calculations for the entire system.
 - Indication of conductor type(s), power-limited or non-power limited system.
 - Information as required to demonstrate compliance with all applicable code(s) and to obtain approval of all Authority(ies) having Jurisdiction (AHJ). In the event of a substitution, installation shall not begin until separate approval has been obtained and all of the above has been accepted and signed by the (AHJ) and the Architect, see Specification Section 01631 regarding substitutions. If routing differs significantly from these plans, approval of the Engineer must be obtained before installation. After construction, provide an accurate set of field record drawings to Owner.
 - THIS PROJECT SITE HAS BEEN DEEMED SURVIVABILITY LEVEL-0. HOWEVER, DISTRICT REQUIRES ALL FIRE ALARM CABLE TO BE INSTALLED IN CONDUIT AS SPECIFIED.

CABLING SCHEDULE

- VISUALS - (2) #14 TWISTED UNSHIELDED, WINDY CITY WIRE 7679000 (INTERIOR), 729110VNO (EXTERIOR) (CSFM# 7161-1727-0100) OR CABLE AS PER MANUFACTURERS RECOMMENDATIONS.
 - SPEAKERS - (2) #14 TWISTED SHIELDED PAIR, WINDY CITY WIRE 7679200 (INTERIOR), 712110VNO (EXTERIOR), (CSFM# 7161-1727-0100) OR CABLE AS PER MANUFACTURERS RECOMMENDATIONS.
 - SLC - (2) #18 TWISTED UNSHIELDED PAIR, WINDY CITY WIRE 7623600 (INTERIOR), 727110VNO (EXTERIOR) (CSFM# 7161-1727-0100) OR CABLE AS PER MANUFACTURERS RECOMMENDATIONS.
 - ARCNET - MULTIMODE 6-STRAND FIBER OPTIC, OM1, 62.5UM, (OSP), RED JACKET WITH ST CONNECTORS, LABEL AS FIRE ALARM NETWORK IN EACH PULL BOX. ALL FIBER SHALL BE TERMINATED USING PRE-FABRICATED PIGTAILS. CONTRACTOR SHALL FUSION SPLICE ALL PIGTAILS AND CONNECTORS IN WALL MOUNTED FIBER SPLICE ENCLOSURE. FIELD TERMINATED CONNECTORS ARE NOT ACCEPTABLE. CONTRACTOR SHALL PROVIDE ALL JUMPERS IN SUFFICIENT LENGTH BETWEEN FIBER SPLICE ENCLOSURE AND FIBER OPTIC MODULES IN EQUIPMENT. REFER TO DETAIL 31FA-305 FOR FIBER CABLE LABEL REQUIREMENTS.
 - 120 VAC DEDICATED CIRCUIT. PROVIDE CIRCUIT BREAKER LOOKING DEVICE WITH RED HANDLE AND LABEL "FIRE ALARM CIRCUIT". SEE FLOOR PLANS AND PANEL SCHEDULES FOR CIRCUIT DESIGNATION(S).
- ** CONDUIT SIZE SHALL BE 1" MINIMUM, UNLESS OTHERWISE NOTED ON PLANS. REFER TO SITE AND FLOOR PLANS FOR ADDITIONAL FIRE ALARM CONDUIT SIZE REQUIREMENTS. EC SHALL SUBMIT CABLE MAKE/MODEL/CSFM LISTING (OR APPROVED EQUAL) WITH FIRE ALARM PROJECT DATA.

SYSTEM DESCRIPTION

INITIATING CIRCUIT CLASS: "F"
SYSTEM TYPE: AUTOMATIC
INDICATING CIRCUIT CLASS: B
THE FIRE ALARM SYSTEM SHALL BE OF A TYPE THAT UPON ACTIVATION INITIATES NOTIFICATION BY MEANS OF AND EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM (EVACS).

SIGNAL DEVICE CIRCUITING LEGEND

DEVICE SYMBOL

SIGNAL CIRCUIT # N1 - 1 DEVICE #
(N)NAC (V)VAC

INITIATING DEVICE CIRCUITING LEGEND

DEVICE SYMBOL

SIGNAL LINE CIRCUIT # 1,08 DEVICE ADDRESS NUMBER

VOICE NOTIFICATION MESSAGE

EVACS SHALL HAVE THE FOLLOWING PROGRAMMED MESSAGES IN BOTH ENGLISH AND SPANISH:

-(MESSAGE TONE)(THIS IS A TEST OF THE EMERGENCY AUDIO SYSTEM. (PROVIDE A 2 SECOND PAUSE)(REPEAT THE MESSAGE.)

-(TEMPORAL 3 TONE FOLLOWED BY) "MAY I HAVE YOUR ATTENTION PLEASE! MAY I HAVE YOUR ATTENTION PLEASE! THE SIGNAL YOU JUST HEARD INDICATED A REPORT OF AN EMERGENCY IN THIS BUILDING. PLEASE PROCEED TO THE NEAREST EXIT AND LEAVE THE BUILDING. DO NOT RE-ENTER THE BUILDING UNLESS DIRECTED TO DO SO BY THE PROPER AUTHORITIES." (PROVIDE A 2 SECOND PAUSE.)(REPEAT THE MESSAGE.)

-(TEMPORAL 4 TONE FOLLOWED BY) MAY I HAVE YOUR ATTENTION PLEASE! MAY I HAVE YOUR ATTENTION PLEASE! CARBON MONOXIDE HAS BEEN DETECTED IN THE BUILDING. PLEASE PROCEED TO THE NEAREST EXIT AND LEAVE THE BUILDING. DO NOT RE-ENTER THE BUILDING UNLESS DIRECTED TO DO SO BY THE PROPER AUTHORITIES. (PROVIDE A 2 SECOND PAUSE.)(REPEAT THE MESSAGE.)

-(MESSAGE TONE)(YOUR ATTENTION PLEASE. THE BUILDING EMERGENCY CONDITION HAS BEEN CLEARED. YOU MAY RETURN TO YOUR NORMAL ACTIVITY. THE BUILDING EMERGENCY CONDITION HAS BEEN CLEARED. YOU MAY RETURN TO YOUR NORMAL ACTIVITY. (PROVIDE A 2 SECOND PAUSE.)(REPEAT THE MESSAGE.)(TWICE.)

FIRE ALARM SYSTEM NOTES

- FIRE ALARM SYSTEM SHALL BE SUPERVISED BY AN APPROVED, UL LISTED CENTRAL STATION (ULFX) OR REMOTE STATION (UJUS) MONITORING COMPANY. (REF: CFC, 907.6.6.4, 2022 EDITION)
- A DOCUMENTATION CABINET SHALL BE INSTALLED AT THE SYSTEM CONTROL UNIT OR AT ANOTHER APPROVED LOCATION AT THE PROTECTED PREMISES. (NFPA 72, 7.7.2.1, 2022 EDITION)
- ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET. NO RECORD DOCUMENTATION SHALL BE STORED IN THE CONTROL UNIT. (NFPA 72, 7.7.2.3, 2022 EDITION)
- THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS". (NFPA 72, 7.7.2.5, 2022 EDITION)

FINNEY ARCHITECTS

2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

REGISTERED ARCHITECT
MARK C. FINNEY
NO. C-24673
9-30-27
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
THOMAS M. THOMA
NO. 20823
ELECTRICAL
STATE OF CALIFORNIA

EXPIRES: 09/30/26
THOMA #25-8101

Thoma ENGINEERING
THOMA ELECTRIC, INC.

P.O. Box 1167 - 3562 Empero St.
San Luis Obispo, CA 93406
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelectric.com

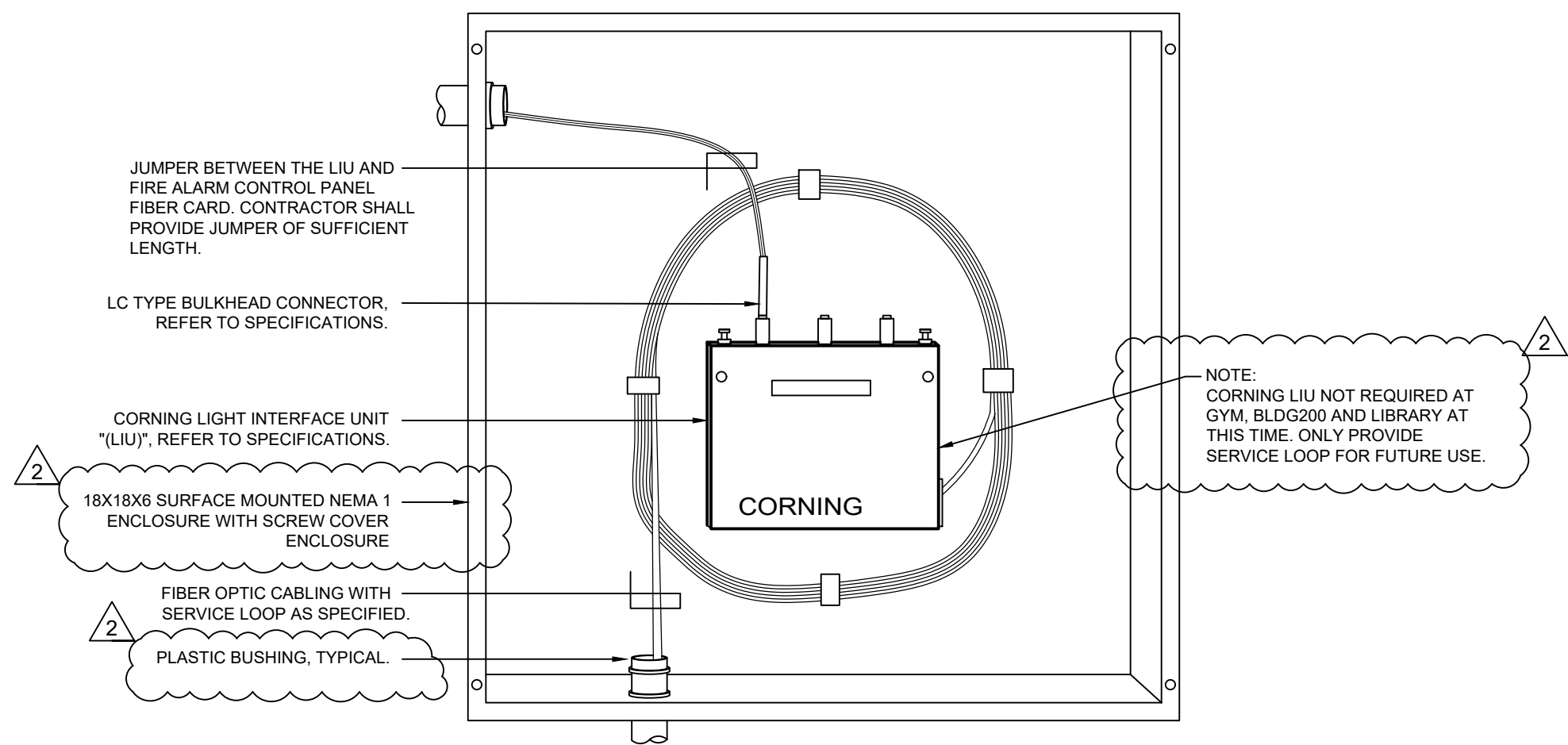
FIRE ALARM RISER DIAGRAM

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

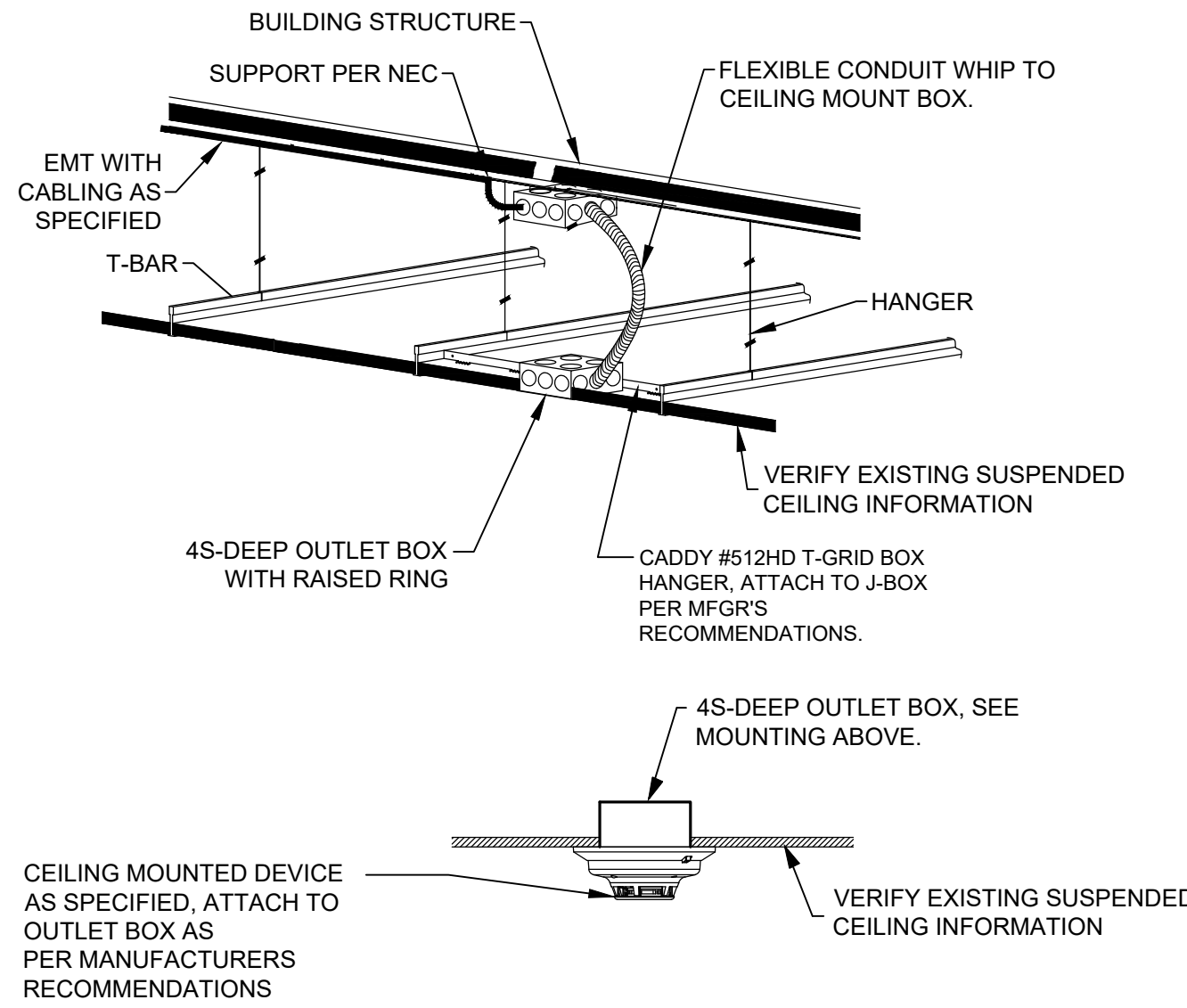
NO.	ITEM	DATE
1	ADDENDUM 1	07/22/26
2	ADDENDUM 2	08/05/26

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 09/30/2025

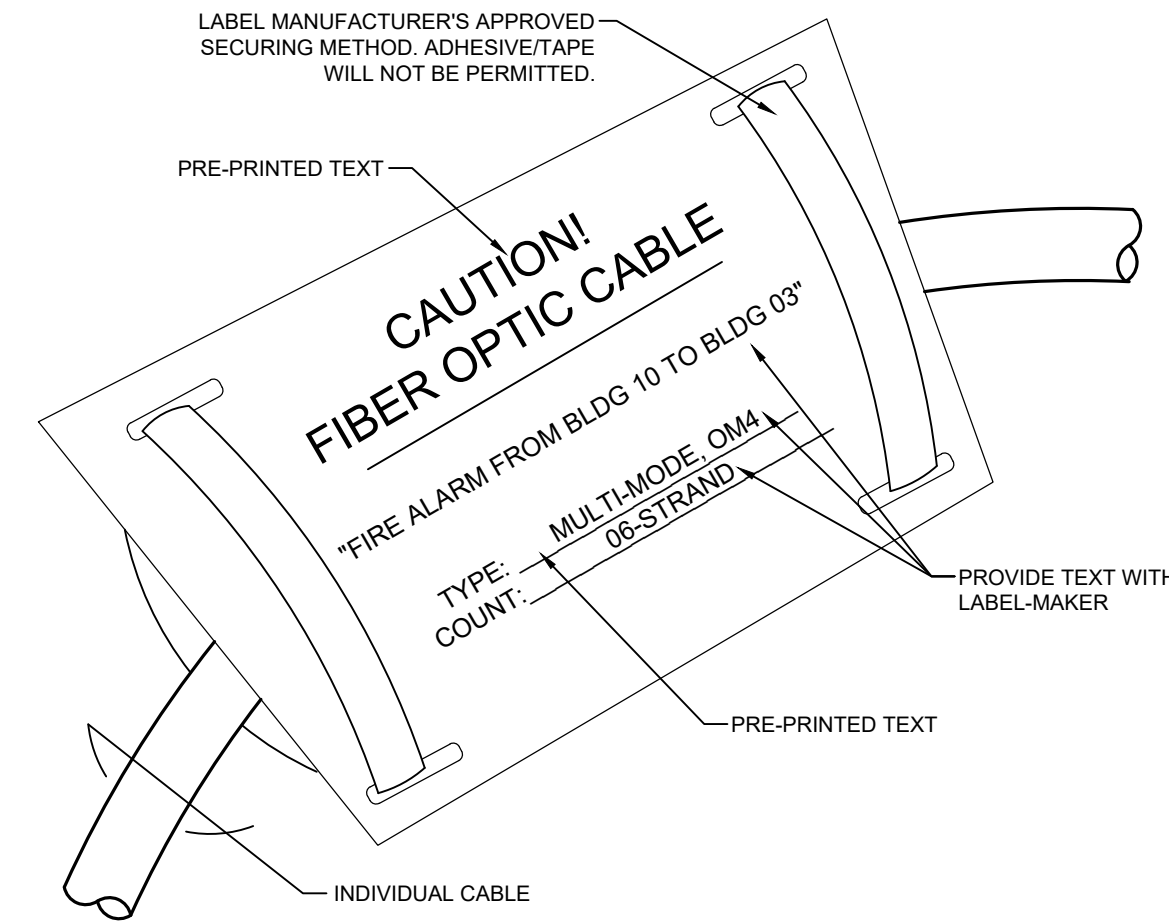
E5.4



8 TYPICAL LIGHT INTERFACE UNIT 'LIU' INSTALLATION
NTS

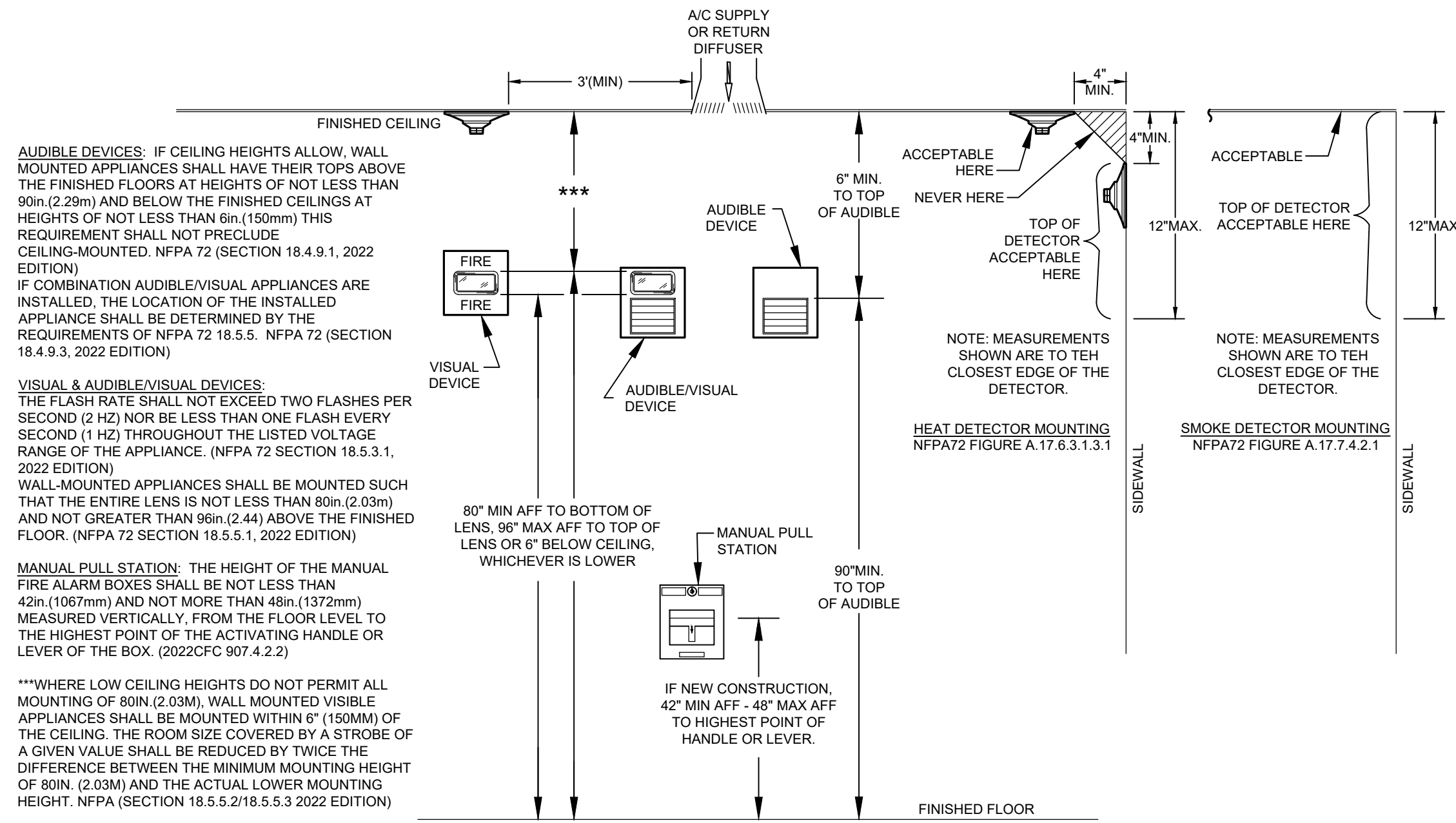


6 TYPICAL DEVICE MOUNTING DETAIL AT T-BAR CEILINGS
NTS

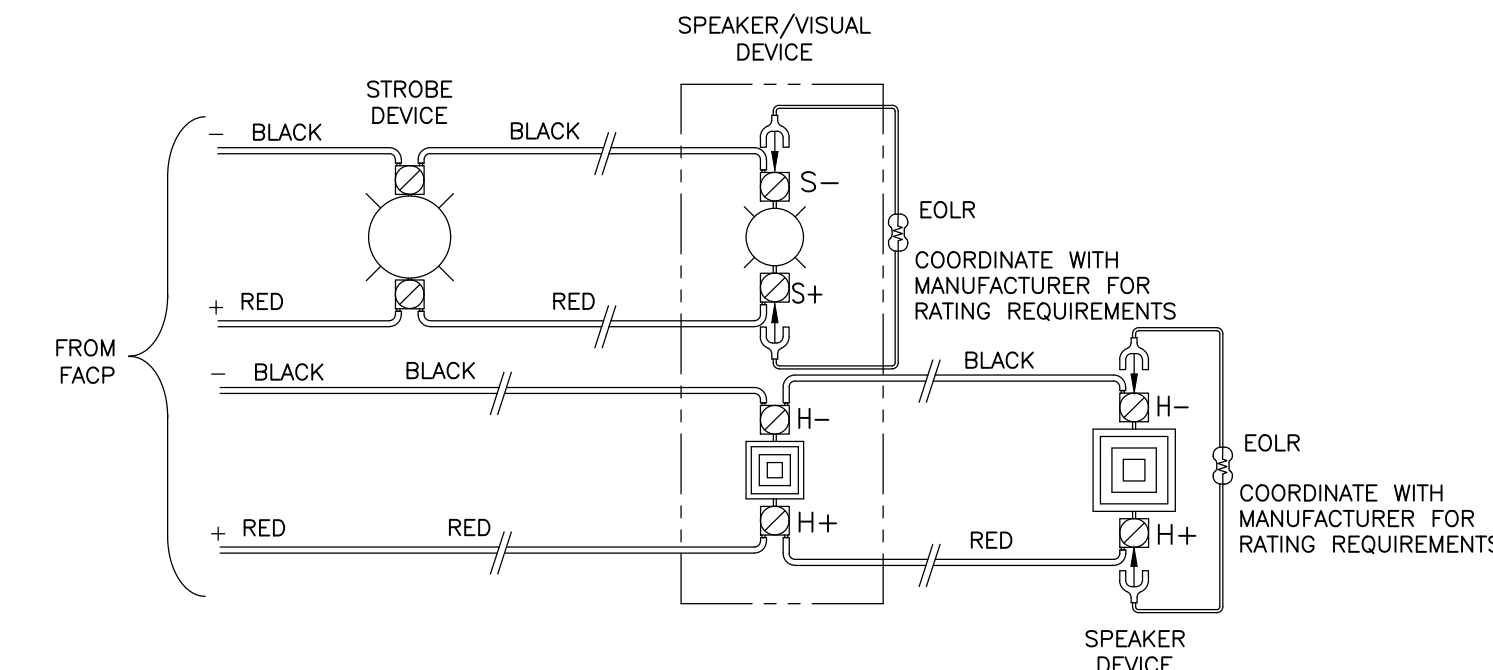


- NOTES:
- LABEL SHALL CONTAIN THE WORDS "CAUTION! FIBER OPTIC CABLE"
 - LABEL SHALL CLEARLY IDENTIFY THE SOURCE AND DESTINATION OF THE FIBER CABLE.
 - LABEL SHALL CLEARLY IDENTIFY THE TYPE AND STRAND COUNT CONTAINED WITHIN THE CABLE.
 - ALL LABEL MARKINGS SHALL BE MADE IN INDELEBIL INK
 - LABEL SHALL BE SELF LAMINATED AND SUITABLE FOR OUTDOOR, SUBMERGED APPLICATIONS WITHOUT DEGRADATION.
 - WHERE USED FOR CAMPUS FIRE ALARM CABLING, TAG COLORS SHALL BE BLACK AND RED.

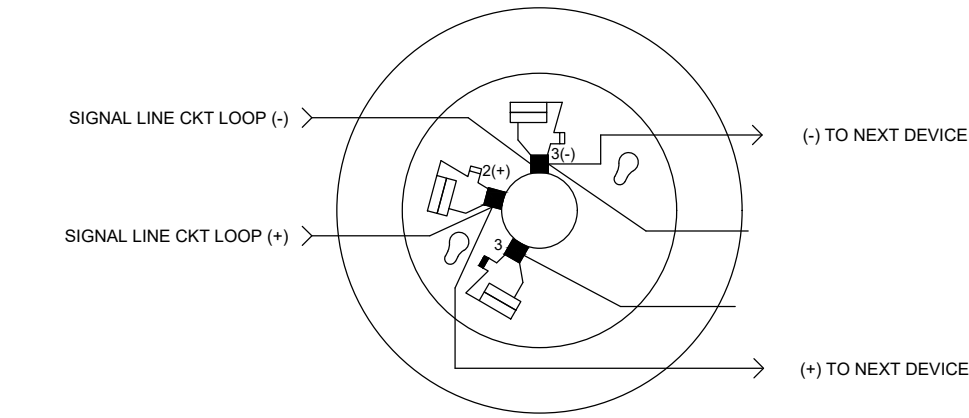
7 FIBER OPTIC CABLE LABEL
NTS



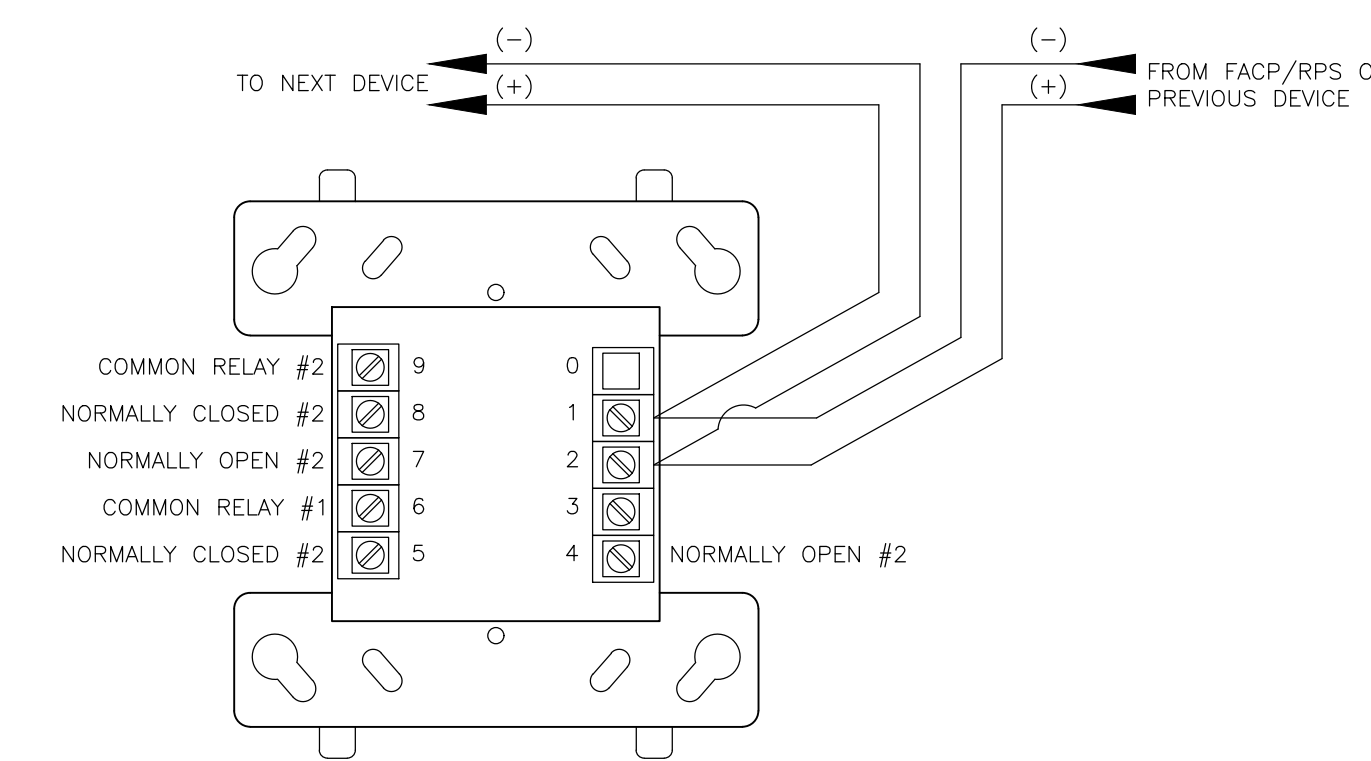
1 DEVICE ELEVATION DETAIL
SCALE: N.T.S.



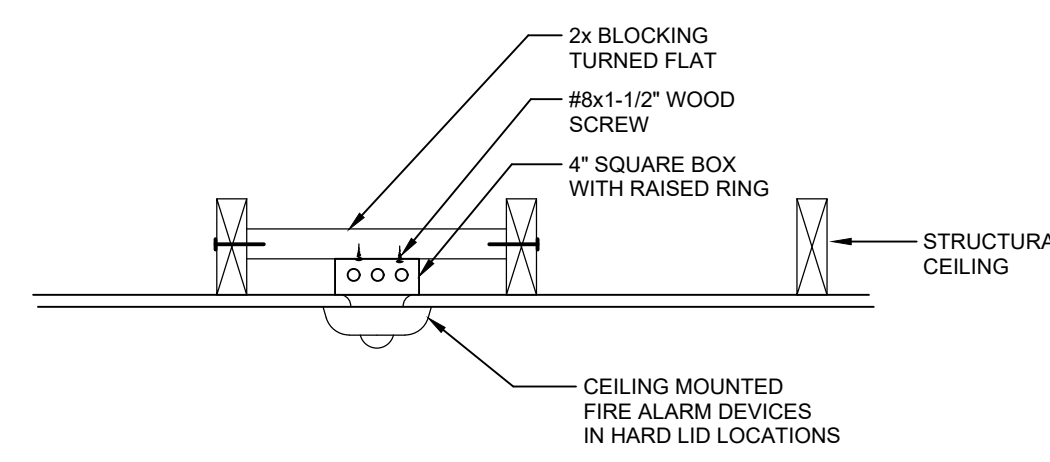
2 TYPICAL NOTIFICATION CIRCUIT WIRING DIAGRAM
NTS



3 ADDRESSABLE SMOKE AND HEAT DETECTOR WIRING DIAGRAM
NTS



4 TYPICAL ADDRESSABLE CONTROL MODULE WIRING DIAGRAM
NTS



5 TYPICAL DEVICE MOUNTING DETAIL AT HARD LID CEILINGS
NTS

FINNEY ARCHITECTS
2155 SOUTH BASCOM AVE.
SUITE 250
CAMPBELL, CA 95008
PHONE: 408-398-1450

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Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com

FIRE ALARM DETAILS

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

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TASK RESPONSIBILITY MATRIX	
TASK	RESPONSIBLE PARTY
TELECOM - CONDUIT, BACKBOXES, FLOORBOXES, POKE-THRU'S, SLEEVES	CFCI
TELECOM - CONDUIT ID, LABELING, AND PULLSTRINGS	CFCI
TELECOM - EQUIPMENT STRUCTURAL SUPPORTS AND BACKING	CFCI
TELECOM - EQUIPMENT CEILING PREP (ACCESS POINTS, CAMERAS, INTRUSION)	CFCI
POWER TO TELECOM, RACKS, HEAD-END EQUIPMENT	CFCI
TELECOM EQUIPMENT RACKS, PATCH PANELS, CABLE MANAGEMENT, LADDER RACKING/TRAY	CFCI
TELECOM CABLING AND TERMINATION	CFCI
TELECOM FACEPLATES AND DIVIDERS	CFCI
NETWORK EQUIPMENT (SWITCHES, RACK-MOUNT UPS IN IDF'S, SERVERS, STORAGE)	CFCI
MISC. IT EQUIPMENT (TELEPHONES, COMPUTERS, MONITORS)	OFOI
WIRELESS ACCESS POINTS	OFCI
POE SPEAKERS	OFCI
CLOCK DEVICES	OFCI
HDMI CABLES	OFCI
EXTERIOR CAMERA AND CAMERA MOUNTS	OFOI

CFCI = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI = OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI = OWNER FURNISHED, OWNER INSTALLED

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING OWNER OF ALL HARDWARE NOTED WITHIN DRAWINGS OR SPECIFICATIONS AS FURNISHED OR PROVIDED BY OWNER AND CONTRACTOR INSTALLED. SUCH NOTICE SHALL BE PROVIDED TO OWNER AT CONTRACT NOTICE TO PROCEED, AND A CORRESPONDING SCHEDULE FOR WHEN SPECIFIC EQUIPMENT IS NECESSARY FOR INSTALLATION BY CONTRACTOR. ALL HARDWARE SHALL BE INSTALLED BY THE EC UNLESS NOTED OTHERWISE.

BASIS OF DESIGN

TELECOMMUNICATIONS ROOM ('TR' / 'IDF' / 'MDF')		
ROOM EQUIPMENT		
MANUF.	MANUFACTURER'S PART NO. / SERIES NO.	DESCRIPTION
CHATSWORTH	48353-703	UNIVERSAL, 44RU, 2-POST COMMUNICATIONS RACK
CHATSWORTH	10250-X (SERIES)	UNIVERSAL CABLE RUNWAY, BLACK
LEVITON	5R2UM-F06	2RU FIBER OPTIC SPLICE ENCLOSURE AND PATCH PANEL
LEVITON	49255-H24	24 PORT, 1RU MODULAR PATCH PANEL (CAT6A) - COMPATIBLE WITH LEVITON QUICKPORT CONNECTORS
LEVITON	49255-H48	48 PORT, 2RU MODULAR PATCH PANEL (CAT6A) - COMPATIBLE WITH LEVITON QUICKPORT CONNECTORS
ICC	ICCMSCMA15	HORIZONTAL CABLE MANAGER, 1RU, HINGED
ICC	ICCMSCMA25	HORIZONTAL CABLE MANAGER, 2RU, HINGED
CHATSWORTH	11729-703	VERTICAL CABLE MANAGER FOR 2-POST RACK
EATON	5PX300RT2U	120V (NEMA L5-30P) UPS, AT IDF ONLY
HUBBELL	HUBBELL IDF-24	HUBBELL RE-BOX IDF24 CABINET

CABLING		
MANUF.	MANUFACTURER'S PART NO. / SERIES NO.	DESCRIPTION
BERK-TEK	"ADVENTUM"	INDOOR/OUTDOOR, GIGALITE-'AB', LOOSE TUBE 'OS2', 12-STRAND, SINGLE MODE FIBER OPTIC CABLE
BERK-TEK	LANMARK-1000*	CAT6 CABLE (INDOOR, RISER RATED, REFER TO SPECIFICATIONS FOR COLOR SCHEME)
BERK-TEK	LANMARK-1000* OSP	CAT6 CABLE (OSP, OUTDOOR RATED, REFER TO SPECIFICATIONS FOR COLOR SCHEME)
BERK-TEK	LANMARK RDT UTP CMP	CAT6A CABLE (INDOOR, PLENUM RATED, REFER TO SPECIFICATIONS FOR COLOR SCHEME)
BERK-TEK	LANMARK 10G OSP	CAT6A CABLE (OSP, OUTDOOR RATED, REFER TO SPECIFICATIONS FOR COLOR SCHEME)

INTERCOM/PA/BELLS/CLOCKS		
(CONTRACTOR SHALL PROVIDE MOUNTING ACCORDING TO CEILING TYPE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLAN)		
MANUF.	MANUFACTURER'S PART NO. / SERIES NO.	DESCRIPTION
ALGO	8180 G2	IP SPEAKER FOR VOICE PAGING, EMERGENCY ALTERING, & LOUD RINGING (POE)
ALGO	8128	IP STROBE LIGHT FOR TELEPHONE, SAFETY, SECURITY & EMERGENCY ALTERING (POE) - ONLY USED WHEN A ROOM REQUIRES A VISUAL ALERTER.
ALGO	8186	WIDEBAND IP HORN SPEAKER FOR VOICE PAGING, EMERGENCY ALTERING & LOUD RINGING (POE)

*NOTE: PROVIDE OSP OUTDOOR CABLE WHERE ROUTED OUTDOORS AND BETWEEN BUILDINGS.

TELECOMMUNICATIONS DEVICE SCHEDULE

SYMBOL	BACKBOX	MUD RING	CONDUIT STUB	CABLE TYPE	CABLE QUANTITY	CABLE COLOR	FACEPLATE (TO MATCH DIV26 SPEC)	NOTES
	EXTRA DEEP 5-SQUARE	SINGLE GANG	1-1/4"	CAT6/6A	4	(1) CAT6 CABLE (RISER), BLUE IN COLOR (1) CAT6 CABLE (RISER), BLUE IN COLOR (1) CAT6 CABLE (RISER), BLUE IN COLOR	4-PORT	STANDARD WORK AREA OUTLET. "n" = NUMBER OF CAT6/6A DATA DROPS. PROVIDE BLANK COVERS FOR UNUSED PORTS. SEE DETAIL 1/E0.8 AND 5/E0.8 FOR FACEPLATE NAMING CONVENTIONS.
	EXTRA DEEP 5-SQUARE	SINGLE GANG	1-1/4"	CAT6	2	CAT6 CABLE (RISER) BLUE IN COLOR	2-PORT	DATA OUTLET AT 100" AT LOCATION SHOWN IN PLAN. "n" = NUMBER OF CAT6/6A DATA DROPS. COORDINATE MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO ROUGH IN. SEE DETAIL 7/E0.8 FOR RECESSED MEDIA LAYOUT.
	4-11/16"	SINGLE GANG	1-1/4"	NONE	-	-	LEVITON BRUSHED	
	-	-	1-1/4"	CAT6A	2	CAT6A CABLE (RISER) WHITE IN COLOR	-	INTERIOR WIRELESS ACCESS POINT, DISTRICT PROVIDED (INCLUDING MOUNT) AND CONTRACTOR INSTALLED. MOUNTING PER DETAIL 2/E0.8 OR 3/E0.8.
	-	-	1-1/4"	CAT6A	1	CAT6A CABLE (RISER) WHITE IN COLOR	-	EXTERIOR (WP) WALL MOUNTED WIRELESS ACCESS POINT LOCATION, DISTRICT PROVIDED (INCLUDING MOUNT) AND CONTRACTOR INSTALLED. EC SHALL PROVIDE (1) CAT6A CABLE EACH. REFER TO MANUFACTURER'S MOUNTING REQUIREMENTS.
	-	-	1-1/4"	CAT6A	1	CAT6A CABLE (RISER) WHITE IN COLOR	-	EXTERIOR (WP) WIRELESS ACCESS POINT LOCATION, DISTRICT PROVIDED (INCLUDING MOUNT) AND CONTRACTOR INSTALLED. EC SHALL PROVIDE (1) CAT6A CABLE EACH. REFER TO MANUFACTURER'S MOUNTING REQUIREMENTS.
	-	-	1-1/4"	CAT6	1	CAT6 CABLE (RISER) BLUE IN COLOR	-	VOIP ENABLED CEILING MOUNTED SPEAKER (PART NUMBERS PER BASIS OF DESIGN), CONTRACTOR SHALL PROVIDE (1) BLUE CAT6 CABLE PER DEVICE FROM IDF WITH MINIMUM 10'-0" SERVICE LOOP TERMINATED IN BISCUIT INSIDE SPEAKER ENCLOSURE.
	-	-	1-1/4"	CAT6	1	CAT6 CABLE (RISER) BLUE IN COLOR	-	VOIP ENABLED WALL MOUNTED SPEAKER (PART NUMBERS PER BASIS OF DESIGN), CONTRACTOR SHALL PROVIDE (1) BLUE CAT6 CABLE PER DEVICE FROM IDF WITH MINIMUM 10'-0" SERVICE LOOP TERMINATED IN BISCUIT INSIDE SPEAKER ENCLOSURE.
	-	-	1-1/4"	CAT6	1	CAT6 CABLE (RISER) BLUE IN COLOR	-	WEATHER PROOF (WP) OUTDOOR SPEAKER (PART NUMBERS PER BASIS OF DESIGN). EC SHALL PROVIDE (N) (1) CAT6 CABLE PER SPEAKER WITH MINIMUM 10'-0" SERVICE LOOP TERMINATED IN BISCUIT INSIDE SPEAKER ENCLOSURE. EC SHALL COORDINATE WITH DISTRICT REPRESENTATIVE FOR FINISHED MOUNTING HEIGHT.
	EXTRA DEEP 5-SQUARE	SINGLE GANG	1-1/4"	CAT6	HARD LID = (1) T-BAR = (2)	CAT6 CABLE (RISER) BLUE IN COLOR	-	PROVIDE SINGLE GANG BOX, DATA PORT AND COVER WITH (1) CAT6 CABLE TO IDF FLUSH MOUNTED IN HARD LID CEILING FOR FUTURE VAPE SENSOR.
	-	-	1-1/4"	CAT6	1	CAT6 CABLE (RISER) BLUE IN COLOR	-	EXTERIOR CAMERA LOCATION, PROVIDE (1) BLUE CAT6 CABLE PER LOCATION, TERMINATED IN 1-PORT BISCUIT IN FLUSH MOUNTED WEATHERPROOF 5S BOX 120" AFF. EC SHALL PAINT WEATHERPROOF COVER TO MATCH EXISTING BUILDING.

1

TELECOMMUNICATION DEVICE CABLE AND ROUGH-IN SCHEDULE

SCALE: NTS

GENERAL COMMUNICATION PLAN NOTES

- REFER TO PROJECT TELECOMMUNICATIONS PLANS AND SPECIFICATIONS FOR FURTHER INFORMATION.
- SIGNAL AND COMMUNICATIONS SYSTEMS RACEWAYS AND BOXES: PROVIDE AND INSTALL 5" SQUARE ("RANDL, INC") RECESSED JUNCTION BOX WITH 1-GANG RING AND (1) 1-1/4" CONDUIT STUB TO ACCESSIBLE CEILING SPACE ABOVE OR UNDER FLOOR SPACE BELOW AS APPLICABLE AT EACH WALL. TELECOMMUNICATIONS (PHONE, PHONE/DATA, DATA) OUTLET AND TELEVISION OUTLET LOCATION SHOWN ON THE PLANS UNLESS OTHERWISE NOTED. PROVIDE PATHWAYS BETWEEN COMMUNICATIONS EQUIPMENT ROOM LOCATIONS AND ACCESSIBLE CEILINGS FOR ROUTING OF PHONE/DATA CABLES.

WHERE NO ACCESSIBLE CEILING EXIST, RUN CONDUIT FROM OUTLETS (FLOOR OR WALL) TO COMMUNICATIONS EQUIPMENT LOCATION.

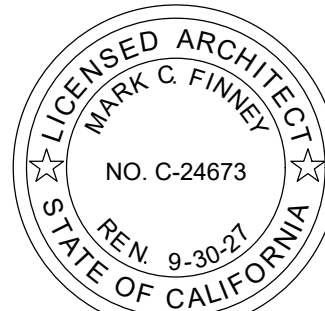
PROVIDE 1-1/4" CONDUIT MINIMUM FOR FLOOR BOX. TELECOM, AS SHOWN ON TELECOM PLANS.

BEFORE CONSTRUCTION, COORDINATE AND VERIFY TELECOMMUNICATIONS OUTLET LOCATIONS WITH OWNER OR ARCHITECT.
- CONDUIT STUBS FROM BACKBOXES SHALL BE ROUTED TO ABOVE NEAREST ACCESSIBLE CEILING SPACE WITH ACCESS TO PRIMARY PATHWAY BACK TO IDF OR MDF, UNLESS NOTED OTHERWISE.
- CONFIRM ALL DEVICE HEIGHTS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH IN AND COORDINATE FINAL LOCATIONS WITH NEARBY DEVICE DISCIPLINES.
- COORDINATE ALL ROUGH-IN FOR OFOI DEVICES WITH OWNER IT REPRESENTATIVE PRIOR TO ROUGH-IN.
- PROVIDE EQUIPMENT RACKS, PATCH PANELS, CABLING, TERMINAL BLOCKS & COMPLETE OUTLET ASSEMBLIES.
- DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.
- ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN FIRE RATED, OR SOUND RATED (STC) ASSEMBLIES SHALL BE PROVIDED WITH PUTTY PADS LISTED FOR THE APPLICATION.
- ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS. ALTERNATIVELY, A DEVICE BRACKET MAY BE USED BETWEEN STUDS WITH 4-INCH SEPARATION BETWEEN POWER AND LOW VOLTAGE BOXES.
- AVOID UNDERGROUND TELECOM CONDUIT RUNS UNLESS NECESSARY. WHERE UNDERGROUND CONDUIT IS USED, TELECOM CABLES SHALL BE WET LISTED.
- CABLE LADDER DROP-OUTS SHALL BE INSTALLED WHEREVER NECESSARY TO FACILITATE CABLE TRANSITIONS AND MIN BEND RADIIUSES. DROP-OUTS SHALL BE EQUIVALENT TO CHATSWORTH AND SOLID ONE PIECE CONSTRUCTION.
- NO LOW-VOLTAGE SYSTEM MAY USE THE TELECOMMUNICATIONS PATHWAY AS DESCRIBED ON THE TECHNOLOGY PLANS AND SPECIFICATIONS. THE TELECOMMUNICATION SYSTEM CABLING SHALL BE THE ONLY SYSTEM TO UTILIZE THE INFRASTRUCTURE AND CABLE TRAY / CABLE RUNWAY SYSTEM.
- KEYSTONES TO MATCH COLOR OF CABLE JACKET

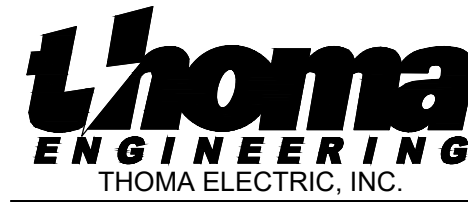
ISSUANCE SHEET



2155 SOUTH BASCOM AVE.
SUITE 260
CAMPBELL, CA 95008
PHONE: 408-398-1450



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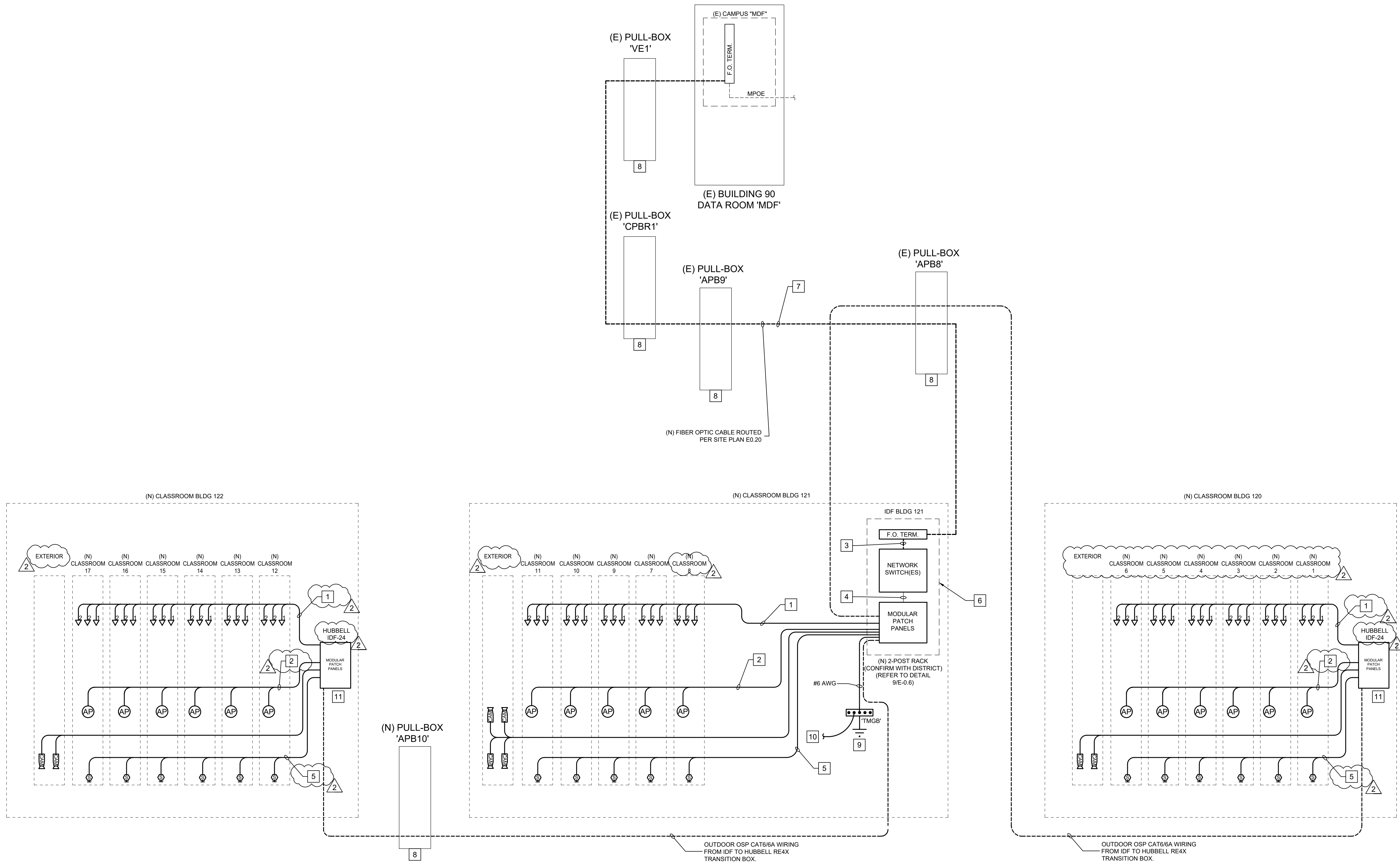
GENERAL COMMUNICATION NOTES,
BASIS OF DESIGN

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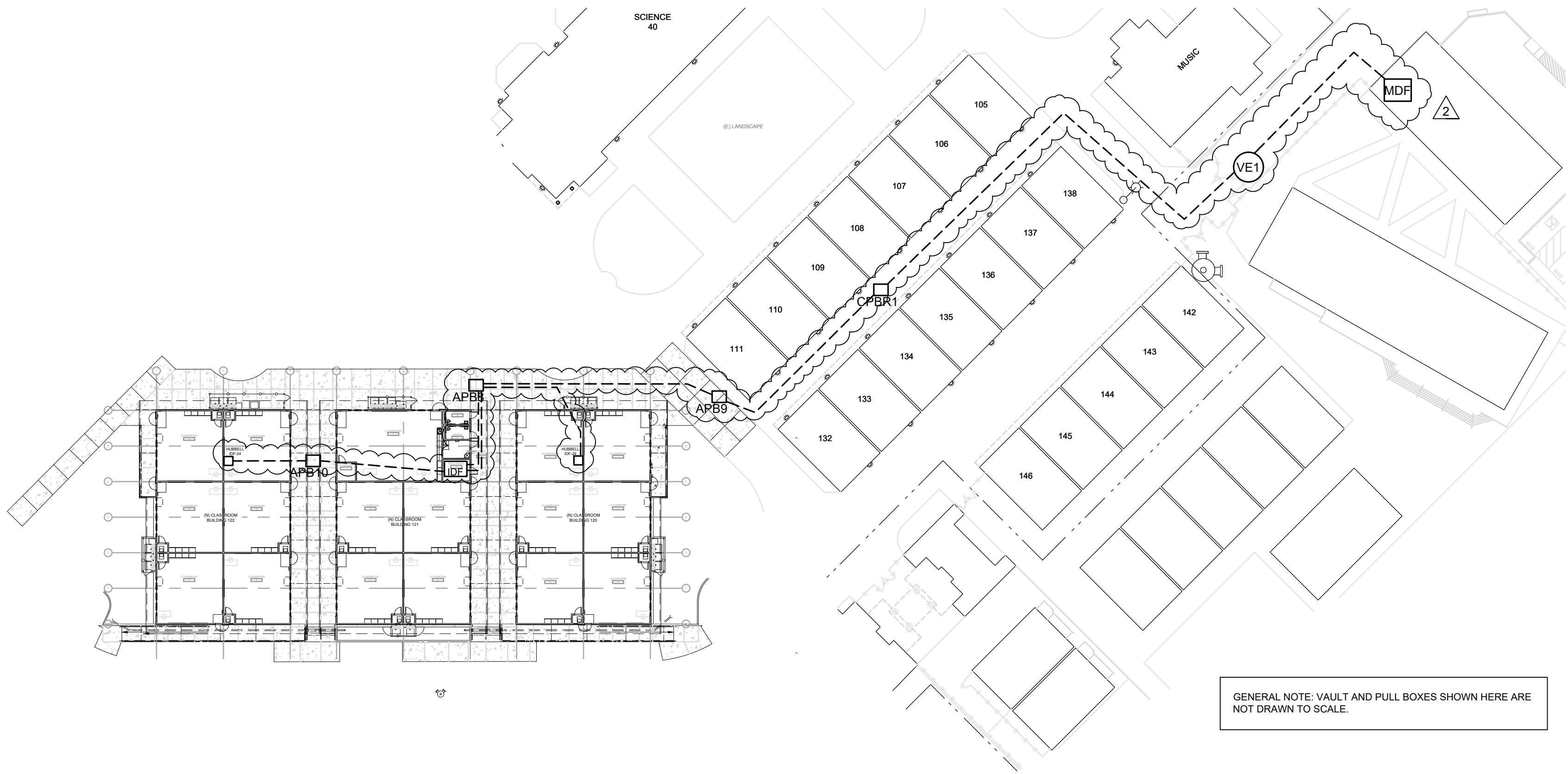
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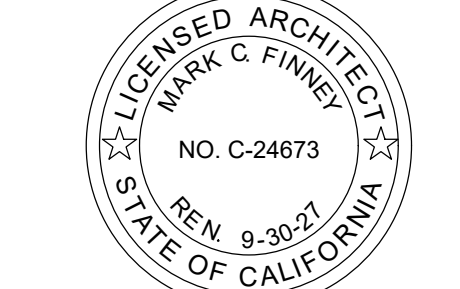
PARTIAL CAMPUS COMMUNICATIONS RISER DIAGRAM



1 PARTIAL CAMPUS VAULT AND PULL BOX LOCATIONS
SCALE: 1" = 40'

- REFERENCE NOTES**
- (N) CAT6 TO EACH DATA OUTLET (QUANTITY PER RISER; BLUE JACKET).
 - (N) (2) CAT6A AT EACH CLASSROOM WAP (WHITE JACKET).
 - F.O. JUMPERS - TO MATCH CABLE PLANT (2M MAX).
 - CAT 6/6A JUMPERS - TO MACH CABLE PLANT (2M MAX).
 - (N) (1) CAT6 CABLE PER EACH SPEAKER DEVICE TERMINATED IN BISCUIT IN TRUE SS BACKBOX ON WALL. USE WEATHERPROOF BOXES AND METHODS FOR EXTERIOR SPEAKERS. SPEAKER DEVICE SHALL BE PROVIDED BY DISTRICT AND INSTALLED BY CONTRACTOR. EC SHALL TERMINATE AND TEST BISCUIT IN PREPARATION FOR (N) DEVICE.
 - CONTRACTOR SHALL COORDINATE WITH DISTRICT IT STAFF FOR INSTALLATION AND SCHEDULING OF NEW EQUIPMENT TO BE PROVIDED BY THE IT DEPT.
 - (N) 12 STRAND SINGLE-MODE (OS2) IN A SINGLE JACKET AND PLACED IN CONDUIT (SIZES/QUANTITIES PER SITE PLAN). ALL STRANDS SHALL BE TERMINATED IN FIBER SPLICE ENCLOSURES AT EACH END OF THE CABLE INSTALLATION. ALL CABLING BETWEEN EXISTING CAMPUS MDF AND NEW BUILDING IDFS SHALL BE UNDERGROUND/WET LOCATION LISTED. VERIFY CABLE TYPES WITH DISTRICT PRIOR TO SUBMITTALS. REFER TO ELECTRICAL SITE PLANS FOR ROUTING.
 - REFER TO DETAIL 1 ON THIS SHEET FOR LOCATION.
 - (N) WALL MOUNTED TELECOMMUNICATIONS GROUND BUS BAR PER DETAIL 4/E0.7.
 - (N) THWN, GREEN JACKETED GROUND CONDUCTOR BETWEEN TELECOMMUNICATIONS ROOM GROUND BUS BAR AND BUILDING MAIN ELECTRICAL PANEL EQUIPMENT GROUND BUS ROUTE IN (N) 1" CONDUIT.
 - REFER TO ELECTRICAL/COMM FLOOR PLAN E2.1-E2.3 FOR LOCATION.

- GENERAL NOTES**
- CATEGORY CABLING, MODULAR JACKS, AND PATCH CABLES SHALL MATCH COLOR OF (N) CABLE PLANT AS FOLLOWS:
 - CAT6 = BLUE IN COLOR.
 - CAT6A = WHITE IN COLOR.
 - CAT6 AND CAT6A CABLES, TOTAL LENGTH FROM IDF TO ENDPOINT SHALL NOT BE MORE THAN 295'-0". CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY LENGTHS IN EXCESS OF 295'-0" PRIOR TO ROUGH-IN INSPECTION.
 - CAT6 AND CAT6A CABLES SHOWN AS ROUTED UNDERGROUND BETWEEN BUILDINGS SHALL BE OUTDOOR PLANT RATED AS SHOWN.
 - EC SHALL PROVIDE 10' SERVICE LOOP AT EACH (E) AND (N) PULL-BOX FOR CABLE SHOWN AS (N).
 - DISTRICT TO PROVIDE VOIP (VOICE OVER INTERNET PROTOCOL) PHONE HAND SETS AT EACH NEW CLASSROOM.
 - CABLING TYPES SHALL BE SUITABLE AND RATED FOR THE APPLICATION INSTALLED (PLENUM, UNDERGROUND, ETC.).
 - ALL FIBER OPTIC CABLES SHALL BE FUSION SPLICED TO PRE-TERMINATED/POLISHED PIG-TAILS IN APPROVED FIBER SPLICE ENCLOSURES AND SPLICE TRAYS.



COMMUNICATIONS RISER DIAGRAM

NEW CLASSROOM BUILDINGS AT
NIPOMO HIGH SCHOOL
525 N. THOMPSON AVENUE, NIPOMO, CA 93444
LUCIA MAR UNIFIED SCHOOL DISTRICT

NO.	ITEM	DATE
1	ADDENDUM 1	07/22/26
2	ADDENDUM 2	08/05/26

DRAWN BY: AV
CHECKED BY: JC, RP
PROJECT NO: 25042
DATE: 09/30/2025

T0.1