

**COUNTY OF VENTURA
PUBLIC WORKS AGENCY**

Date: September 29, 2023

To: All Prospective Bidders

From: Jeff Pratt
Director of Public Works

Addendum No. 1

Subject: **Project Name: VENTURA COUNTY FIRE TRAINING CENTER SITE
IMPROVEMENTS AND STRUCTURAL TRAINING PROPS
Specification No. CP23-02
Bids to be Opened: Original Bid Date Extended to
Thursday October 5, 2023 @ 2:00 P.M.**

Make the following modifications to the bidding documents for subject project:

CHANGES TO SPECIFICATIONS

1. Section 01 10 00 – SUMMARY, revise 1.04.A.1.a. to:
 - a. Site Power Pole – Training Prop. Pole, simulated cross arms, and wiring system to be furnished and installed by Contractor.
2. Add Section 07 41 14 – METAL WALL PANELS.
3. Add Appendix I – SCE Approved Final Plans

CHANGES TO THE PLANS

4. Sheet A101: Revise Keynote 136000.1 to say, "POWER POLE PROP TO BE FURNISHED AND INSTALLED BY CONTRACTOR."
5. Replace Sheets A101 and A104 with attached Bid Addendum No. 1 Sheets A101 and A104.
Explanation: See revision clouds. Power Pole Prop is to be Contractor Furnished and Contractor Installed.
6. Replace Sheet B2-A600 with attached Bid Addendum No. 1 Sheet B2-A600.
Explanation: See revision clouds. Clarification for Forcible Entry Doors. The schedule has been revised and the basis of design manufacturer is provided on the drawings.

RESPONSES TO RFI'S

7. Question: *Can you open up the spec to allow LA City certified shops to manufacture the structural steel for this project.*

Reply: Yes, as long as the LA city approved fabricator meets the requirements of the CBC and AISC for steel fabrication. All information will be reviewed and approved by the Structural Engineer of Record.

8. Question: *Reference ES-101, Note regarding the removal of the SCE meter at the North Bunker Building. the Note states "Refer to Sheet ES-104 for new work in the area". however, there is NO drawing entitles ES-104 (ES-103 is the last Sheet in this series)?*

Reply: Refer to sheet ES-102 for new work for Existing North and South Bunker Buildings.

9. *Normally there are drawings by SCE noting the work the contractor has to do for their infrastructure. Have those drawings been completed and/or available to the contractors.*

Reply: See attached CP23-02 Bid Addendum No. 1 Appendix I.

10. *Is the bidding GC's or "others" responsible to pay any associated SCE fees that they will require to perform their scope of work?*

Reply: No associated SCE fees required. Contractor shall provide raceway (primary and secondary) and concrete pad for transformer per SCE requirements.

11. *For those planning to perform the trenching and backfill, it was mentioned at the jobwalk that the "water table" is quite high in this location. How deep is the water table?*

Reply: Refer to the Referenced Geotechnical Report on Bonfire. The ground water data requested can be found under section 2.6 of the Geotech Investigation report from Cotton Shire and Associates dated July 2020. Also refer to VCSS Section 10 – DIVERSION, CONTROL, AND REMOVAL OF WATER.

12. Question: *What is the finish on the gates, gate schedule says factory finish / paint. Is this gate supposed to get HPC, also explain how it's both factory finish and painted finish?*

Reply: The fences and gates are to be factory finished. Omit the reference to painted finish.

13. Question: *There are metal wall panels called out on the "New Training Prop & Existing Storage Bunker Building", see sheet A-200 Key Value = 074114.1. I don't see a specification for this item. Please provide a specification or just tell us what you want the paneling to be?*

Reply: Please see attached Bid Addendum No. 1 Specification Section 074114 - METAL WALL PANELS.

14. Question: *Can you please specify which "Green" you are looking for in terms of manufacturer and specific color. I.E. "Davis - Willow Green."?*

Reply: Please provide Davis Colors, Willow Green (5376) with Rough Broom finish. Stamp is not required.

15. Question: *The coating on section 7, should it be on both side of the CMU walls or only one side? and if it is only on one side, is it interior or exterior? Please confirm all CMU interior and exterior gets water repellent finish? Please advise which concrete areas if any get water repellent treatment?*

Reply: Traffic coating is to be applied on horizontal concrete surfaces of the Burn and Multipurpose Buildings. CMU walls are to have water-repellant on both sides.

16. Question: *Who is the county propane provider/vendor?*

Reply: The County has not identified a Propane Vendor at this time.

17. Question: *Sheet A101 list item 13009.1 LPG Dumpster Prop, is this owner provided? If GC please provide model or specifications?*

Reply: 13009.1 LPG Dumpster Prop will be by owner-provided Training Prop Vender.

18. Question: *Please provide specs for the forcible entry door simulator? The plans note 082000.1 as the spec section but this was not provided. Please advise?*

Reply: See attached revised drawing B2-A600 – DOOR/WINDOW SCHEDULE & DETAILS. The schedule has been revised and the basis of design manufacturer is provided on the drawings.

19. Question: *Please confirm concrete finishing for note 3 on civil plans. Entire area to medium broom finish w/ salt as well? Please confirm stamp to be used on decorative green concrete as well. There is significant variation in pricing depending on color and stamp.*

Reply: The concrete finish to be a Medium Broom Finish with the exception of the stamp area. The stamp is changed to a Rough Broom Finish with a color noted above.

20. Question: *Detail1 on B2-A400 shows a metal soffit panel. Please provide specs for this metal soffit panel?*

Reply: Refer to Section 07 42 13 – Metal Soffit Panels.

21. Question: *Please confirm builder's risk need to include flood and earthquake coverage?*

Reply: Refer to VCSS Sections 7-4, 7-17, and 7-18 for insurance requirements.

22. Question: *On Sheet AD100 Note: 024119.6 asked for existing lights to be relocated, but the plans dont show to where? Please show where the existing lights shall be relocated?*

Reply: Refer to Sheet A200 South Elevation for locations.

23. Question: *Since there is no building finish schedule what items get painted. Please advise.*

Reply: Stainless Steel is not painted. The following is to be painted: All Non-galvanized exposed metal including doors and door frames.

Acknowledgment of this addendum by inserting the addendum No. on page 7 of the Proposal is required. Failure to do so may result in the disqualification of your bid.

Approved:  _____
Jeff Pratt, Director

9/29/23
Date Approved

SECTION 07 41 14
METAL WALL PANELS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Exposed-fastener, lap-seam metal wall panels.

B. Related Sections:

1. Section 07 4213 "Metal Soffit Panels" for metal panels used in horizontal soffit applications.

1.2 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site

1. Meet with Owner, Architect, Owner's insurer if applicable, metal panel Installer, metal panel manufacturer's representative, structural-support Installer, and installers whose work interfaces with or affects metal panels, including installers of doors, windows, and louvers.
2. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
3. Review methods and procedures related to metal panel installation, including manufacturer's written instructions.
4. Examine support conditions for compliance with requirements, including alignment between and attachment to structural members.
5. Review flashings, special siding details, wall penetrations, openings, and condition of other construction that affect metal panels.
6. Review governing regulations and requirements for insurance, certificates, and tests and inspections if applicable.
7. Review temporary protection requirements for metal panel assembly during and after installation.
8. Review of procedures for repair of metal panels damaged after installation.
9. Document proceedings, including corrective measures and actions required, and furnish copy of record to each participant.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of panel and accessory.

B. Manufacturer's Shop Drawings:

1. Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.

2. Accessories: Include details of the flashing, trim, and anchorage systems, at a scale of not less than 1-1/2 inches per 12 inches (1:10).
 3. Show Work to be field fabricated or field assembled.
- C. Samples for Initial Selection: For each type of metal panel indicated with factory-applied finishes.
1. Include Samples of trim and accessories involving color selection.
- D. Samples for Verification: For each type of exposed finish, prepared on Samples of size indicated below:
1. Metal Panels: 12 inches (305 mm) long by actual panel width. Include fasteners, closures, and other metal panel accessories.
- 1.4 INFORMATIONAL SUBMITTALS
- A. Qualification Data: For Installer.
 - B. Product Test Reports: For each product, for tests performed by a qualified testing agency.
 - C. Field quality-control reports.
 - D. Sample Warranties: For special warranties.
 - E. Load tables.
 - F. Fastener test and pull-out calculations.
- 1.5 CLOSEOUT SUBMITTALS
- A. Maintenance Data: For metal panels to include in maintenance manuals.
- 1.6 QUALITY ASSURANCE
- A. Manufacturers Qualifications: Company with no less than 10 years documented experience.
 1. Certified ISO 9001: 2015 with Design.
 - B. Installer Qualifications: Company with at least three years of documented experience.
 - C. Source Limitations: Obtain all components of the wall system from or approved by wall panel system manufacturer.
 - D. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.
 1. Build mockup of typical metal panel assembly 6'-0" x 6'-0" including corner, supports, attachments, and accessories.
 2. Water-Spray Test: Conduct water-spray test of metal panel assembly mockup, testing for water penetration in accordance with AAMA 501.2.

3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver components, metal panels, and other manufactured items so as not to be damaged or deformed. Package metal panels for protection during transportation and handling.
- B. Unload, store, and erect metal panels in a manner to prevent bending, warping, twisting, and surface damage.
- C. Stack metal panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store metal panels at Project site as recommended by manufacturer to minimize damage and ensure dryness, with positive slope for drainage of water. Do not store metal panels in contact with other materials that might cause staining, denting, or other surface damage.
- D. Retain strippable protective covering on metal panels and trims during installation for removal immediately prior to installation.
- E. Natural Metals: Wear gloves when handling to prevent fingerprints and soiling of surface.

1.8 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of metal panels to be performed in accordance with manufacturers' written instructions and warranty requirements.

1.9 COORDINATION

- A. Coordinate metal panel installation with rain drainage work, flashing, trim, construction of soffits, and other adjoining work to provide a weatherproof, secure, and noncorrosive installation.

1.10 WARRANTY

- A. Product Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal panel systems that fail in materials or workmanship within specified warranty period.
 1. Failures include, but are not limited to, the following:
 - a. Structural failures including rupturing, cracking, or puncturing.
 - b. Deterioration of metals and other materials beyond normal weathering.
 2. Warranty Period: 20 years from date of Substantial Completion.

- B. Finish Warranty on Panel Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Delta E units when tested in accordance with ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
 2. Finish Warranty Period: 30 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing in accordance with ASTM E1592 or ASTM E330/E330M:
1. Wind Loads: As indicated on Drawings.
 2. Other Design Loads: As indicated on Drawings
 3. Deflection Limits: For wind loads, no greater than 1/180 of the span.
- B. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
1. Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces
- C. Fire-Resistance Ratings: Comply with ASTM E119; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
1. Indicate design designations from UL's "Fire Resistance Directory" or from the listings of another qualified testing agency.
 2. Comply with ASTM E84, flame spread requirements.

2.2 EXPOSED-FASTENER, LAP-SEAM METAL WALL PANELS

- A. Provide factory-formed metal panels designed to be field assembled by lapping side edges of adjacent panels and mechanically attaching panels to supports using exposed fasteners in side laps. Include accessories required for weathertight installation.
- B. Corrugated-Profile, Exposed-Fastener Metal Wall Panels: Formed with alternating curved ribs spaced at 2.67 inches (68 mm) o.c. across width of solid panel.
1. Basis-of-Design Product: Subject to compliance with requirements, provide ATAS International, Inc.; Corrugated Panel BWC374 or comparable product by one of the following:
 - a. Petersen Aluminum Corporation Petersen Aluminum Corp.

- b. CENTRIA Architectural Systems.
2. Metallic-Coated Steel Sheet: Zinc-coated (galvanized) steel sheet complying with ASTM A653/A653M, G90 (Z275) coating designation, structural quality. Prepainted by the coil-coating process to comply with ASTM A755/A755M.
 - a. Nominal Thickness: **0.030 inch (0.86 mm)**.
 - b. Exterior Finish: Two-coat fluoropolymer
 - c. Color: As selected by Architect from manufacturer's full range.
 3. Rib Spacing: **2.67 inches (68 mm)** o.c.
 4. Panel Coverage: **37.3 inches (947 mm)**.
 5. Panel Height: **0.875 inch (22 mm)**

2.3 MISCELLANEOUS MATERIALS

- A. Miscellaneous Metal Subframing and Furring: ASTM C645, cold-formed, metallic-coated steel sheet, ASTM A653/A653M, G90 (Z275) hot-dip galvanized coating designation or ASTM A792/A792M, Class AZ50 (Class AZM150) aluminum-zinc-alloy coating designation unless otherwise indicated. Provide manufacturer's standard sections as required for support and alignment of metal panel system.
- B. Panel Accessories: Provide components required for a complete panel system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal panels unless otherwise indicated.
 1. Profiled Rib Closures: Provide factory-prefabricated pre-notched metal closures with matching profile of 0.032-inch (0.81-mm) thick aluminum in the same color and finish as the wall panel.
 2. Backing Plates: Provide metal backing plates at panel end splices, fabricated from material recommended by manufacturer.
 3. Closure Strips: Closed-cell, expanded, cellular, rubber or crosslinked, polyolefin-foam or closed-cell laminated polyethylene; minimum 1-inch- (25-mm-) thick, flexible closure strips; cut or premolded to match metal panel profile. Provide closure strips where indicated or necessary to ensure weathertight construction.
- C. Flashing and Trim: Provide factory formed flashing and trim in 12'-0 (3.66 m) lengths or as dictated by project conditions formed from same material as metal panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, bases, drips, sills, jambs, corners, end walls, framed openings, rakes, fasciae, parapet caps, soffits, reveals, and fillers. Finish flashing and trim with same finish system as adjacent metal panels.
- D. Panel Fasteners:
 1. Fasteners: Manufacturer's standard type.
 - a. Metal-to-Metal Fasteners: Self-drilling, self-tapping screws.
 - b. Metal-to-Wood Fasteners: Self-tapping wood screws.
 - c. Carbon steel thread with organic long-life coating.
 - d. Exposed Fasteners: Type 304 stainless steel cap head.
 2. Encapsulated EPDM Washer:

- a. Baked-on, high-performance-compatible, chip-resistant finish to match panel color.
- E. Panel Sealants: Provide sealant types recommended by manufacturer that are compatible with panel materials, are nonstaining, and do not damage panel finish.
1. Exposed Sealant: High-performance elastomeric, clear tri-polymer, as recommended by manufacturer.
 2. Concealed Sealant: High-performance spacer cubes to prevent bottoming out of sealant when fasteners are installed with non-curing butyl tape.
 3. Seam Sealant: Factory-applied, high-performance, high-solid, non-skinning, non-drying seam sealant formulated for roll forming application into concealed panel joints.

2.4 FABRICATION

- A. Fabricate and finish metal panels and accessories at the factory, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.
- B. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.
- C. Fabricate metal panel joints with factory-installed captive gaskets or separator strips that provide a weathertight seal and prevent metal-to-metal contact, and that minimize noise from movements.
- D. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's written instructions and recommendations that apply to design, dimensions, metal, and other characteristics of item indicated.
1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.
 2. Seams for Aluminum: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with epoxy seam sealer. Rivet joints for additional strength.
 3. Seams for Other Than Aluminum: Fabricate nonmoving seams in accessories with flat-lock seams. Tin edges to be seamed, form seams, and solder.
 4. Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate sealant.
 5. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.
 6. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal panel manufacturer.
 - a. Size: As recommended by metal wall panel manufacturer for application but not less than thickness of metal being secured.

2.5 FINISHES

- A. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Wet Chemistry Cleaning and Pretreatment:

1. Use complex chrome-oxide pretreatment.
 2. Chrome final rinse.
- C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- D. Steel Panels and Accessories:
1. Two-Coat Fluoropolymer: Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions for seacoast and severe environments.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, metal panel supports, and other conditions affecting performance of the Work.
1. Examine wall framing to verify that girts, angles, channels, studs, and other structural panel support members and anchorage have been installed within alignment tolerances required by metal wall panel manufacturer.
 2. Examine wall sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by metal wall panel manufacturer.
 - a. Verify that air- or water-resistive barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- B. Examine roughing-in for components and systems penetrating metal panels to verify actual locations of penetrations relative to seam locations of metal panels before installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Miscellaneous Supports: Install subframing, furring, and other miscellaneous panel support members and anchorages in accordance with ASTM C754 and metal panel manufacturer's written recommendations.
- B. Install subgirts perpendicular to panel length, securely fastened to substrate, and shimmed and level to a uniform plane. Space at interval indicated.

3.3 INSTALLATION

- A. Install metal panels in accordance with manufacturer's written instructions in orientation, sizes, and locations indicated. Install panels perpendicular to supports unless otherwise indicated. Anchor

metal panels and other components of the Work securely in place, with provisions for thermal and structural movement.

1. Shim or otherwise plumb substrates receiving metal panels.
 2. Remove protective film from surface of panels and associated trims immediately prior to installation. Strip film carefully to avoid damage to prefinished surfaces.
 3. The use of torch or grinder for field cutting is absolutely prohibited.
 4. Flash and seal metal panels at perimeter of all openings. Fasten with self-tapping screws. Do not begin installation until air- or water-resistive barriers and flashings that will be concealed by metal panels are installed.
 5. Install screw fasteners in predrilled holes.
 6. Locate and space fastenings in uniform vertical and horizontal alignment.
 7. Install flashing and trim as metal panel work proceeds.
 8. Locate panel splices over, but not attached to, structural supports. Stagger panel splices and end laps to avoid a four-panel lap splice condition.
 9. Align bottoms of metal panels and fasten with blind rivets, bolts, or self-tapping screws. Fasten flashings and trim around openings and similar elements with self-tapping screws.
 10. Provide weathertight escutcheons for pipe- and conduit-penetrating panels.
- B. Fasteners:
1. Steel Panels: Use stainless steel capped-head fasteners for surfaces exposed to the exterior; use galvanized-steel fasteners for surfaces exposed to the interior.
 2. Aluminum Panels: Use aluminum or stainless steel fasteners for surfaces exposed to the exterior; use aluminum or galvanized-steel fasteners for surfaces exposed to the interior.
 3. Copper Panels: Use copper, stainless steel, or hardware-bronze fasteners.
 4. Stainless Steel Panels: Use stainless steel fasteners.
- C. Metal Protection: Where dissimilar metals contact each other or corrosive substrates, protect against galvanic action as recommended in writing by metal panel manufacturer.
- D. Lap-Seam Metal Panels: Fasten metal panels to supports with fasteners at each lapped joint at location and spacing recommended by manufacturer.
1. Lap ribbed or fluted sheets one full rib. Apply panels and associated items true to line for neat and weathertight enclosure.
 2. Provide recommended metal-backed washers under heads of exposed fasteners bearing on weather side of metal panels.
 3. Locate and space exposed fasteners in uniform vertical and horizontal alignment. Use proper tools to obtain controlled uniform compression for positive seal without rupture of washer.
 4. Install screw fasteners with power tools having controlled torque adjusted to compress washer tightly without damage to washer, screw threads, or panels.
 5. Flash and seal panels with weather closures at perimeter of all openings.
- E. Weathertight Installation:
1. Apply a continuous ribbon of sealant or tape to seal lapped joints of metal panels, using sealant or tape as recommend by manufacturer on side laps of nesting-type panels; and elsewhere as needed to make panels weathertight.
 2. Provide sealant or tape between panels and protruding equipment, vents, and accessories.
 3. At panel splices, nest panels with minimum 6-inch (152-mm) end lap, sealed with sealant and fastened together by interlocking clamping plates.

- F. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
 - 1. Install components required for a complete metal panel system including trim, copings, corners, seam covers, flashings, sealants, gaskets, fillers, closure strips, and similar items. Provide types indicated by metal wall panel manufacturer; or, if not indicated, provide types recommended by metal panel manufacturer.
- G. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions. Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that are permanently watertight.
 - 1. Install exposed flashing and trim that is without buckling and tool marks, and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and achieve waterproof performance.
 - 2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of 12 ft. (3.6 m) with no joints allowed within 24 inches (610 mm) of corner or intersection. Where lapped expansion provisions cannot be used or would not be sufficiently waterproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch (25 mm) deep, filled with mastic sealant (concealed within joints).

3.4 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
- B. Manufacturer's Field Service: Engage a factory-authorized service representative to test and inspect completed metal wall panel installation, including accessories.
- C. Remove and replace metal wall panels where tests and inspections indicate that they do not comply with specified requirements.
- D. Additional tests and inspections, at Contractor's expense, are performed to determine compliance of replaced or additional work with specified requirements.
- E. Prepare test and inspection reports.

3.5 ERECTION TOLERANCES

- A. Maximum offset from true alignment between adjacent members butting or inline, 1/16 inch (1.6 mm).
- B. Maximum variation from plane, or location indicated on drawings, 1/4 inch (6.4 mm).

3.6 CLEANING AND PROTECTION

- A. Remove site cuttings from finish surfaces.
- B. After metal panel installation, clear weep holes and drainage channels of obstructions, dirt, and sealant.

- C. Remove temporary protective coverings and strippable films, if any, as metal panels are installed, unless otherwise indicated in manufacturer's written installation instructions.
- D. Remove and replace applications of metal wall panels where inspections indicate they do not comply with specified requirements. Replace metal panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.
- E. Upon completion of installation, thoroughly clean prefinished surfaces in accordance with AAMA 609 and 610.
- F. See construction waste management and disposal Section for any additional requirements.

END OF SECTION 07 41 14

APPENDIX I

SCE APPROVED

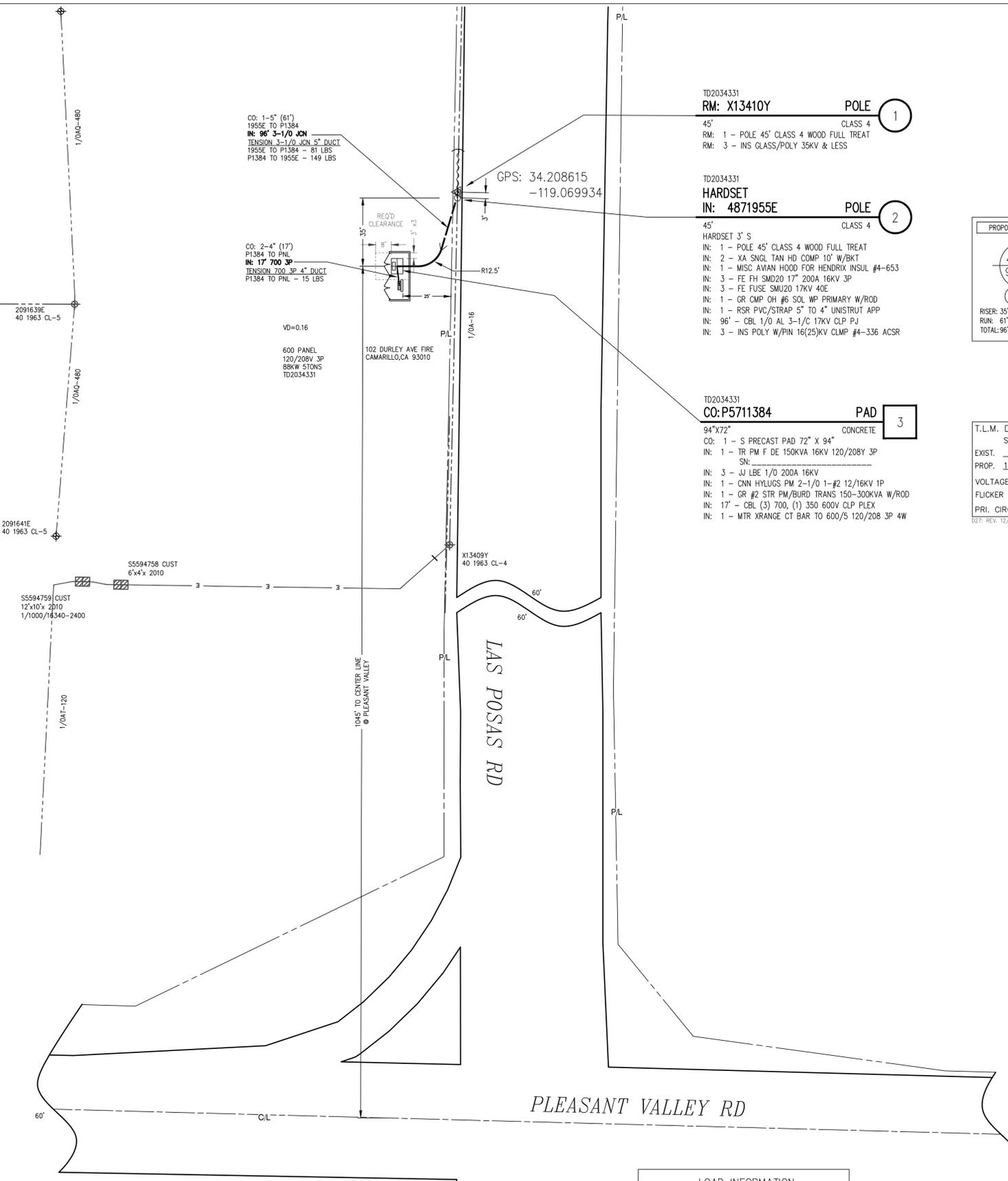
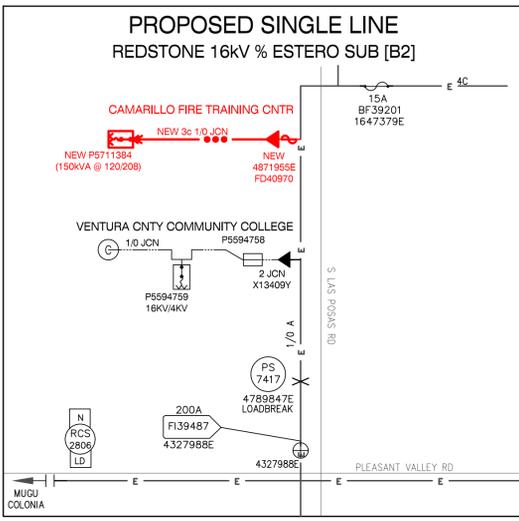
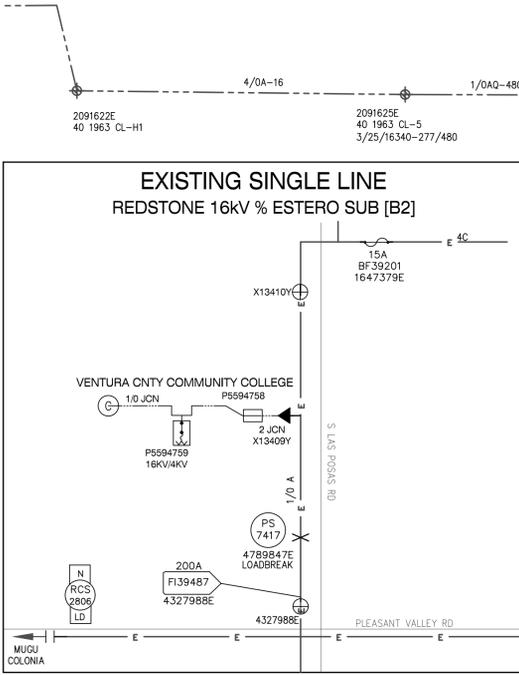
FINAL PLANS

SCE INSPECTOR: STEVEN MING
 CELL: (626) 422-2170
 CONTACT SCE 48 HOURS IN ADVANCE FOR
 A PRE-CONSTRUCTION MEETING AND/OR
 INSPECTION

WHERE CONDUITS ARE PICKED UP
 OR INTERCEPTED, CONDUIT SHALL BE
 MANDRELLED AND PULL ROPE INSTALLED
 FROM TERMINAL TO TERMINAL.

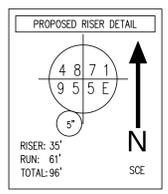
WARNING
 THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID
 CONTACT WITH UNDERGROUND FACILITIES WHICH MAY RESULT IN
 INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA.
 THE INDICATED LOCATIONS OF EDISON UNDERGROUND FACILITIES,
 AS PROVIDED, ARE BELIEVED TO BE ACCURATE. HOWEVER, THE
 FINAL DETERMINATION OF EXACT LOCATIONS AND THE COST OF
 REPAIR TO DAMAGED FACILITIES IS THE RESPONSIBILITY OF THE
 EXCAVATOR.

UNDERGROUND SERVICE ALERT
Contact USA
 Dial 811 or 800-422-4133
 www.digalert.org/contact
 For Underground Locating
 Two Working Days Before You Dig
 D16: Rev. 05/28/20



- CREW / PSPEC NOTES**
- NEW METER & SERVICE - CAMARILLO FIRE TRAINING CENTER
 - SO#: 200276348
 - PERMIT REQUIRED - ENCROACHMENT
 - VEHICLE TRAFFIC CONTROL REQUIRED
 - ESF REQUIRED
 - NIGHT WORK REQUIRED
 - OUTAGE REQUIRED
 - REPLACE POLE# X13410Y WITH NEW POLE 4871955E
 - HARDSET 3' SOUTH
 - SCE TO PTD
 - NEW CO XFMR (P5711384) TO NEW METER
 - ALSO REFERENCE TD1926014 (REMOVAL)

- PROJECT REQUIREMENTS (Y/N)**
- EDISON EASEMENT REQUIRED
 - PWRD 88 REQUIRED
 - UG CIVIL ONLY WORK ORDER
 - PERMIT REQUIRED
 - PERMIT TYPE: ENCROACHMENT
 - OUTAGE REQUIRED
 - OUTAGE DATE: N/A TIME: N/A
 - TRAFFIC CONTROL REQUIRED
 - PED. TRAFFIC CONTROL REQ'D
 - CONVEYANCE LETTER REQ'D
 - ENVIRONMENTAL REQUIREMENTS DOCUMENT (ERD) REQUIRED
 - CSD 140 (TLM) REQ'D
 - DIG ALERT APP
 - VERIFIED ACTIVE AND CONFIRMED USA TICKETS
 - UTILIQUEST NOTIFIED
 - STANDARD ADHERENCE: 3_Q/2022_Y



T.L.M. DATA: P5711384

SIZE	KVA	CUST	% LOAD
EXIST. 0	0	0	0%
PROP. 150	104	1	69%

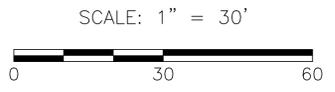
VOLTAGE DROP: 0.16
 FLICKER FACTOR: N/A
 PRI. CIRCUIT: REDSTONE 16KV
 027: REV. 12/10/21

THIS PLAN APPROVED AS TO LOCATION AND TYPE OF ELECTRIC SUBSTRUCTURES

Developer: _____
 Attn: _____
 Address: _____
 Telephone: _____
 FAX: _____

Dwg./Rev.	Developer's Signature	Date
Original		
Rev.		
Rev.		
Rev.		

CHANGES IN THESE PLANS WILL REQUIRE AN ADDITIONAL 3 TO 4 WEEKS AND CUSTOMER WILL BE CHARGED IN ADVANCE FOR REQUESTED CHANGES.



FINAL DESIGN APPROVED FOR CONSTRUCTION

LOAD INFORMATION

BLDG. SQ. FT. (ADJ. AVG.) _____

LARGEST A/C UNIT (TONS) _____

AVG. A/C TONNAGE _____

DEMAND PER LOT (KW) _____

PANEL SIZE (AMP) _____

CLIMATE ZONE _____

NUMBER OF UNITS _____

NUMBER OF ALLOWANCES _____

ALLOWANCES LOT NUMBERS _____

CP23-02 BID ADDENDUM NO.1

DATE	REVISION DESCRIPTION	APPROVED	DRAWN	CHECKED

REDSTONE 16KV % ESTERO [B2]

DISTRICT	PROJECT NO.	SERVICE REQUEST	MSR NO.	PHONE	PLANNER	DESIGNER	ASSOC. DESIGN
39 - VENTURA	2489902	3379407	200276348	(805) 654-7437	PACHECO, ALISON	ROBINSON, LAURA	1547600
CIRCUIT / VOLTAGE	REDSTONE 16KV	ESTERO [B2]	2034331-NEW METER & SERVICE				1461774
RELATED WO'S:	TD2049541, TD2049559, TD1926014						
INVENTORY MAP	030-031B	J.P.A. NO.	N/A				
PROPOSED CONSTRUCTION (LOCATION)	600AMP SERVICE @ 120/208 FOR FIRE TRAINING CENTER - RULE 16						
DATE	10/25/22	YANEZ	PACHECO	ROBINSON	20838		
DATE	09/27/22		PACHECO	ROBINSON	20838		
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	FAX #	SHEET	DESIGN/DRWG NO.
						1 of 2	1547600_0.01

Southern California Edison Company

FILE NAME: S:\PROJ\030\031B\031B_01.DWG DATE: 09/27/2022 10:31 AM DRAWN BY: ROBINSON

D13: Rev. 11/10/20

D124: Rev. 10/12/21

026: Rev. 02/12/08

CONSTRUCTION NOTES:

Unless otherwise specified on the working drawing which forms a part of the specification, the Contractor/Developer shall furnish the following items at no cost to the Edison Company.
 Southern California Edison Company has attempted to correctly show all existing utilities and substructures in the vicinity of the work, but does not guarantee there are no other substructures in the area.
 Failure of SCE to show all substructures in their correct location will not be a basis for a claim for extra work, and the contractor shall be responsible for all damages to substructures whether shown or not.

1. FOR GENERAL SPECIFICATIONS SEE UGS GI 001.

- 2. CONDUIT:**
- Minimum cover in street or parkway is 30" below gutter grade, unless noted otherwise.
 - Minimum cover on private property is 30" below finished grade, unless noted otherwise.
 - Contractor is to furnish and install approved conduit to Edison specifications per UGS CD 100.1, 110 AND 120.
 - For the type of conduit for this job, see UGS CD 110.1.
 - Install all risers per UGS CD 160, 161, 162 and 170.
 - Cap all mainline conduits per UGS CD 148 and service conduits per UGS CD 150.
 - Install blank conduit plugs in all conduits terminating into Vaults, Manholes, PMH's, SOE's & all cap locations, per UGS CD 180.1 & UGS CD 180.2.
 - Install pull rope in all conduit runs. Pull rope to be at least 3/8" polypropylene rope, braided or twisted. For specifications, approved makes, and suppliers, see UGS GI 040.
 - All conduit must be mandrelled with the approved mandrel UGS CD 197.

3. CONDUIT RADIUS REQUIREMENTS:

- The minimum radius for bends are:
 36" for conduits 3" in diameter or smaller
 48" for conduits 4" and 5" in diameter
 60" for 6" diameter conduit
- The minimum radius for all sweeps of all mainline conduits is 12'-6" (unless noted otherwise).

4. EXCAVATION AND BACKFILL:

- Work area shall be cleared and rough graded to within four inches of final grade prior to installation of Edison conduit or structures.
- All excavations shall be in accordance with the California State Construction Safety Orders (when applicable), Edison specifications, and all governing local ordinances.
- Each trench to be a uniform depth below final grade prior to installation of Edison conduit or structures.
- Backfill shall be provided by the Contractor for all excavations and shall include crushed rock, concrete, and/or imported backfill, when required.
- Backfill with a MINIMUM of one sack per yard sand cement slurry around and over vaults and manholes per UGS GI 030, section 6.4 and around PMH's within one foot of finished grade, per UGS SS 590.1.
- Backfill, per Edison specifications, shall immediately follow conduit or substructure installation. At no time shall conduit be left exposed over 24 hours.
- No rocks are allowed within 12 inches of direct-buried cables or any conduit without concrete encasement. Native backfill capable of passing through a one-half inch mesh screen shall be considered to be "rock free". If existing backfill does not pass through a 1/2" screen, place imported sand 3" below and 12" above Edison cables. After this point, no rocks larger than 12" diameter are permitted.
- All backfill shall be compacted to meet or exceed local ordinances or other requirements. It shall be placed in a manner that will not damage the conduit or substructure or allow future subsidence of the trench or structures.

5. PAVING:

- Repeating, where required, shall be placed in such a manner that interference with traffic, including pedestrian traffic, will be kept to a minimum. The Contractor shall establish a program of repaving acceptable to the Municipality, County, or other authority having jurisdiction and which is acceptable to Edison.

6. STRUCTURES:

- All substructures shall be constructed or installed to Edison specifications.
- Install protection barriers per UGS MS 830 when required in areas exposed to traffic, per Edison inspector.
- All conduit lines and concrete floored substructures shall be water tight.
- All grounding materials shall be furnished and installed by the Contractor.

7. RETAINING WALLS:

- When required, retaining walls shall be provided by the Developer. Walls are required wherever grade rises more than 18 inches above the structure or 24" above the pad surface at a distance of 5 feet from the same, or in areas subject to erosion. Design and installation must comply with local building ordinances. Refer to Edison inspector for typical space requirements.

8. PERMITS:

- All permits necessary for excavation shall be provided by the Contractor/Developer.

9. ACCESS:

- Heavy truck access shall be maintained to equipment locations. Structures must be clear of all appurtenances that would obstruct the loading or unloading of equipment.

10. SERVICES:

- Meters and services shall comply with Edison Electrical Services Requirements.
- Wiring must be in accordance with applicable local ordinances and approved by local Inspection Authorities.

11. LOCATION:

- The location of excavations and structures for Edison shall be as shown on the working drawing. No deviation from the planned locations will be permitted unless approved by the Edison Inspector. See UGS GI 001, section 2.2.
- Actual location of obstructions, storm drains, and/or other foreign utilities to be the responsibility of the Contractor. See UGS GI 001, section 2.3.

- Contractor is to verify location and widths of all sidewalks and driveways prior to street light installation. See UGS CD 175.1, UGS CD 175.2 and UGS CD 175.3.

13. SURVEY:

- Surveying of street improvements, property corners, lot lines, finished grade, etc., necessary for the installation of underground facilities must be completed and markers or stakes placed prior to the start of the installation. In addition, Developer shall maintain the markers during the installation and inspection by Edison. Grade and property line stakes must show any offset measurements.

14. COORDINATION AND SUPERVISION:

- The Developer shall provide supervision over and coordination among the various contractors working within the development in order to prevent damage to Edison facilities. He is responsible for the cost of repairs, replacement, relocation, or other corrections to Edison facilities made necessary by his failure to provide supervision or to otherwise comply with these specifications.

15. TELEPHONE AND OTHER UTILITY REQUIREMENTS:

- The drawing prepared for this job may also cover the facilities to be installed for the telephone company and/or other utility. Any questions concerning details of their installation should be referred to the company concerned.

16. OWNERSHIP:

- Developer is to deed to the Edison Company all structures shown hereon except those shown as customer owned.

17. WARRANTY:

- Applicants expressly represent and warrant that all work performed and all material used in meeting Applicants' obligations herein are free from defects in workmanship and are in conformity with Southern California Edison Company's requirements. This warranty shall commence upon receipt by Applicants of Company's final acceptance and shall expire one year from that date. Applicants agree to promptly correct to the Company's satisfaction and that of any governmental agency having jurisdiction and at Applicant's expense any breach of this warranty which may become apparent through inspection or operation of underground electric system by Company during this warranty period.

18. INSPECTION:

- Inspection is required during the construction period. A 48 hour advance notice of intent to start construction is required from the contractor to the Southern California Edison Company. Standards of Edison construction requirements are available upon request.

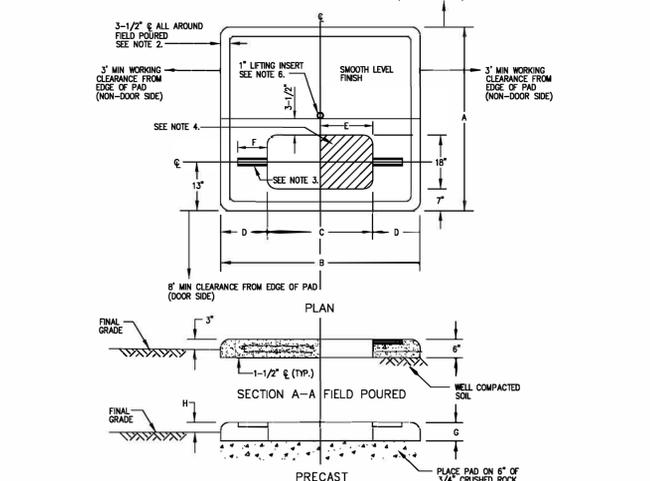
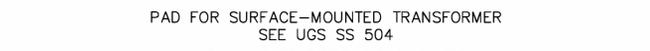
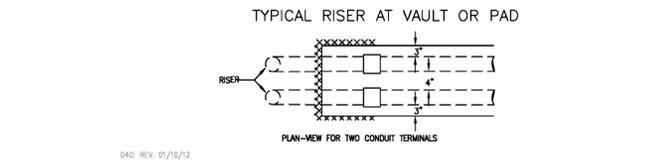
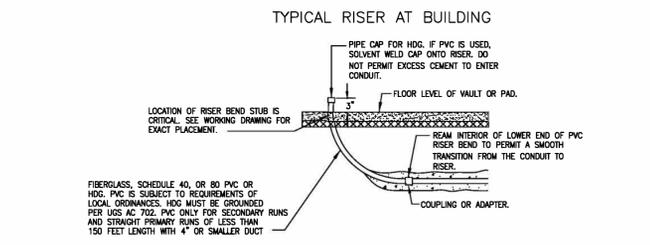
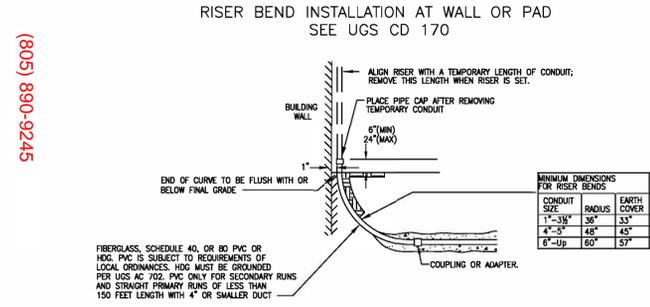
Duct and Structure Inspector: **STEVEN MING**

Phone: **(626) 422-2170**

Cabling Construction Coordinator: **MITCH OGG**

Phone: **(805) 336-5327**

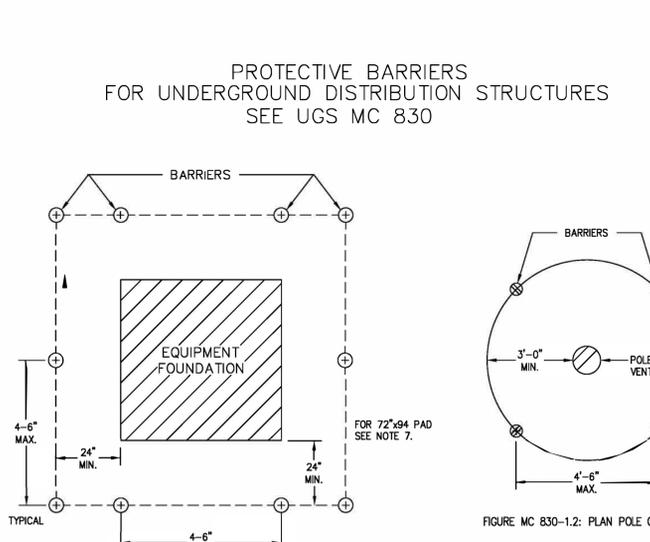
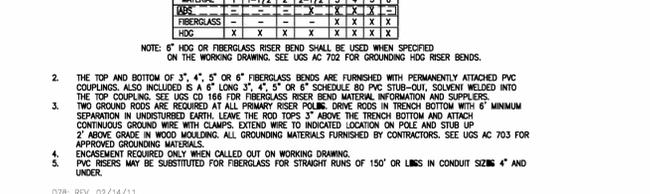
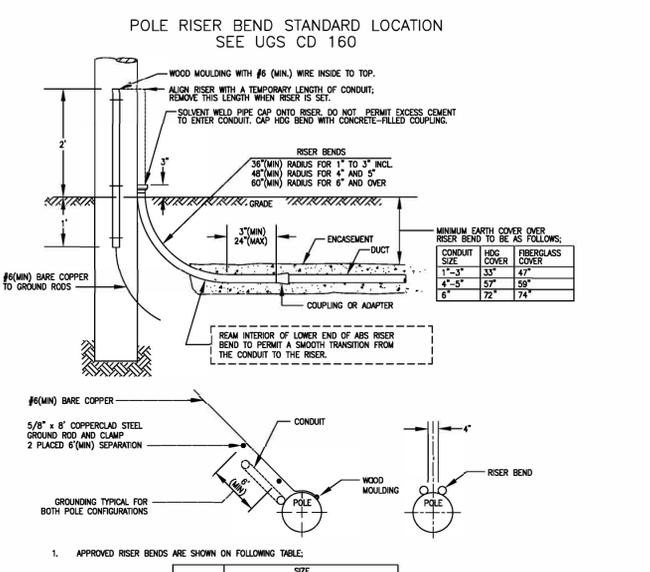
D05: Rev. 07/21/16



NOTES:

- Concrete to be 3,000 psi (minimum) at 28 days.
- Reinforcing steel to be No. 4 bars installed in a double net. Perimeter bars to be continuous (8" minimum lap or weld).
- Hold-down brackets to be P-3200 series unitrust (or equal).
- Primary cables must be installed in shaded area of drawing above as far to the right as possible on single phase transformers only.
- On three-phase transformers primary cables must be installed in the unshaded area of drawing above as far left as possible.
- See AC 701 for pad-mounted transformer/capacitor grounding requirements and AC 703 for approved grounding methods.
- 1-inch listing insert to be located at center of gravity on precast pads.
- See SS 500 for approved manufacturers.
- The three-phase transformer shall only be used on a pad when four or fewer services are to be installed. A slab box should be used when more than four services will be installed.
- Use a thin layer of red-crete (or equivalent) for rodent and weed control or where transformer does not fully cover opening in pad.
- A 17" x 30" x 15" plastic handhole (SAP 1011726) shall be inverted and installed under the cable opening of the pad. This will provide adequate cable slack for operation of the load-break elbows on single phase transformers only.

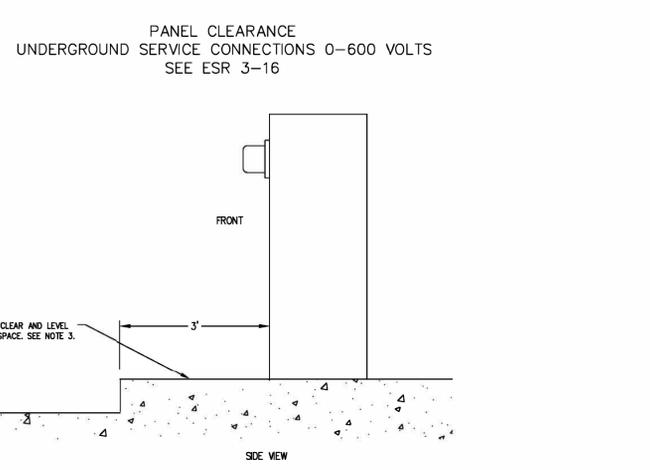
D43: Rev. 10/26/20



NOTES:

- STRUCTURES WILL NORMALLY BE INSTALLED ONLY IN NONTRAFFIC AREAS. PROTECTIVE BARRIERS ARE TO BE USED WHERE CONSTRUCTION EXPOSES EQUIPMENT TO TRAFFIC.
- TOPS OF PROTECTIVE BARRIERS ARE TO BE SMOOTH OUT AND TOP EDGES ARE TO BE ROUNDED.
- AT LEAST ONE BARRIER IS TO BE REMOVABLE, WITH A MEANS OF LIFTING TO SUPPORT THE WEIGHT OF THE BARRIER, WHEN OVERHEAD OBSTACLES PREVENT EQUIPMENT REMOVAL OR INSTALLATION BY CRANE. SEE FIGURE MC 830-1.3 (SHEET 2). THE LOCATION OF THE REMOVABLE BARRIER(S) SHALL BE APPROVED BY THE UNDERGROUND INSPECTOR.
- ADEQUATE CLEARANCE MUST BE PROVIDED FOR DOORS, COOLING RADIATORS, AND SO FORTH.
- PROTECTIVE BARRIERS, AS SHOWN ABOVE, INDICATE TYPICAL REQUIREMENTS. FIELD CONDITIONS WILL NECESSITATE CHANGES FOR ADEQUATE EQUIPMENT PROTECTION. APPLICATION OF PROTECTIVE BARRIERS IS SITE-SPECIFIC.
- THE UNDERGROUND INSPECTOR IN THE FIELD MUST APPROVE ALL PROTECTIVE BARRIER INSTALLATIONS PRIOR TO CONSTRUCTION. THE UNDERGROUND INSPECTOR WILL DETERMINE (A) STATUS OF OVERHEAD OBSTRUCTIONS, (B) THE FRONT AND BACK OF EQUIPMENT FOUNDATIONS, AND (C) THE CLEARANCES REQUIRED ON DOORS, COOLING RADIATORS, AND SO FORTH.
- WHEN A 22" X 94" PAD IS BEING INSTALLED, (A) INCREASE THE DISTANCE TO 36 INCHES MINIMUM BETWEEN THE PROTECTIVE BARRIERS AND THE FRONT EDGE OF THE PAD, AND (B) INCREASE THE DISTANCE BETWEEN THE PROTECTIVE BARRIERS AND THE BACK EDGE OF THE PAD FOR CAPACITOR BANK (DOOR SIDE ONLY) TO 36 INCHES MINIMUM. THE UNDERGROUND INSPECTOR WILL DETERMINE THE FRONT AND BACK OF THIS EQUIPMENT FOUNDATION.
- WITH PRIOR SCE APPROVAL, THE FOLLOWING ALTERNATIVES MAY BE USED IN LIEU OF PROTECTIVE BARRIERS FOR PADMOUNTED STRUCTURES:
 A. WHEN SPECIFIED ON WORKING DRAWING, A 6-INCH (MINIMUM VERTICAL FACE) CONCRETE CURB MAY BE INSTALLED IN PLACE OF PROTECTIVE BARRIERS.
 B. THIS CURB MUST BE AT LEAST 6 INCHES THICK AND ITS FRONT FACE AT LEAST 60 INCHES (MINIMUM SPACING) FROM THE EQUIPMENT FOUNDATION.
 C. WHERE EQUIPMENT IS LOCATED ADJACENT TO A RESIDENTIAL DRIVEWAY, PROTECTIVE BARRIERS MAY NOT BE REQUIRED WHEN THERE IS 30-INCH (MINIMUM) CLEARANCE FROM THE EQUIPMENT FOUNDATION TO THE EDGE OF THE DRIVEWAY. IN ADDITION, A 60-INCH CLEARANCE SHALL BE MAINTAINED FROM A FIRE HYDRANT TO A POLE. FIELD CONDITIONS WILL NECESSITATE CHANGES FOR ADEQUATE EQUIPMENT PROTECTION. IF THE MINIMUM CLEARANCES CANNOT BE OBTAINED OR THERE IS NO CURB, PROTECTIVE BARRIERS SHALL BE REQUIRED.
 D. FIELD CONDITIONS WILL NECESSITATE CHANGES FOR ADEQUATE EQUIPMENT PROTECTION. IF THE MINIMUM CLEARANCES CANNOT BE OBTAINED OR THERE IS NO CURB, PROTECTIVE BARRIERS SHALL BE REQUIRED.
 E. IN ADDITION, A 60-INCH CLEARANCE SHALL BE MAINTAINED FROM A FIRE HYDRANT TO A POLE, TRANSFORMERS, PME SWITCHES, OR ANY PRIMARY SURFACE OR SEMI BURIED STRUCTURE.
- WITH PRIOR SCE APPROVAL, THE FOLLOWING ALTERNATIVES MAY BE USED IN LIEU OF PROTECTIVE BARRIERS FOR PRIMARY SURFACE OR SEMI BURIED STRUCTURES INCLUDING BURD STRUCTURES:
 A. WHEN SPECIFIED ON WORKING DRAWING, A 6-INCH (MINIMUM VERTICAL FACE) CONCRETE CURB, 8- FEET IN LENGTH MAY BE INSTALLED IN PLACE OF PROTECTIVE BARRIERS. THIS CURB MUST BE AT LEAST 6 INCHES THICK.
 B. WHERE THERE ARE ROLLED CURBS OR CURBS THAT HAVE LESS THAN 6-INCHES OF VERTICAL FACE, PROTECTIVE BARRIERS MAY NOT BE REQUIRED WHEN THERE IS AT LEAST 60 INCHES (MINIMUM SPACING) FROM THE CURB TO THE EDGE OF THE PRIMARY SURFACE OR SEMI BURIED STRUCTURES. (SEE FIGURE MC 830-1.5)
 C. WHERE EQUIPMENT IS LOCATED ADJACENT TO A RESIDENTIAL DRIVEWAY, PROTECTIVE BARRIERS MAY NOT BE REQUIRED WHEN THERE IS 30-INCH (MINIMUM) CLEARANCE FROM THE EQUIPMENT FOUNDATION TO THE EDGE OF THE DRIVEWAY. (SEE FIGURE MC 830-1.5)
 D. FIELD CONDITIONS WILL NECESSITATE CHANGES FOR ADEQUATE EQUIPMENT PROTECTION. IF THE MINIMUM CLEARANCES CANNOT BE OBTAINED OR THERE IS NO CURB, PROTECTIVE BARRIERS SHALL BE REQUIRED.

D91: Rev. 10/26/20



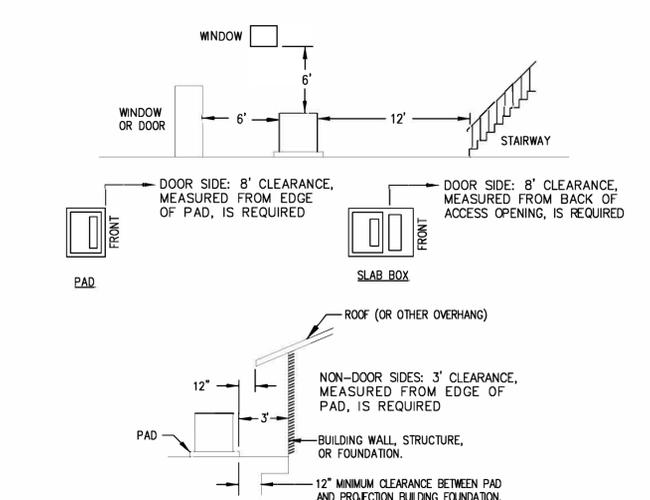
NOTES:

- A MINIMUM OF THREE (3) FEET OF CLEAR, LEVEL WORK SPACE IS REQUIRED IN FRONT OF ALL TERMINATION, METERING, AND SERVICE EQUIPMENT.
- SEE ESR-5 FOR METER-MOUNTING HEIGHT REQUIREMENTS. METER MOUNTING HEIGHT WILL BE MEASURED FROM THE STANDING AND WORKING SPACE TO THE CENTERLINE OF THE METERS.
- WHEN SERVICE EQUIPMENT IS INSTALLED ON AN ELEVATED PORTION OF THE FLOOR/GROUND, OR HOUSEKEEPING PAD, THE PAD SHALL BE FLUSH WITH AND EXTEND A MINIMUM OF THREE (3) FEET. THIS IS MEASURED FROM THE FRONT OF THE SERVICE EQUIPMENT OR THE OUTER DOORS) OF THE SWITCHBOARD NEAR OR ENCLOSURE WHEN INSTALLED. IN NO CASE SHALL THE MAXIMUM METER HEIGHT OF SIX (6) FEET THREE (3) INCHES BE EXCEEDED.
- TO MAINTAIN A SAFE, CLEAR, AND LEVEL WORKING AREA IN FRONT OF NEW OR EXISTING METER AND SERVICE EQUIPMENT, A CONCRETE SLAB OR OTHER SUITABLE PERMANENT HARD SURFACE, ACCEPTABLE TO THE COMPANY, MUST BE USED.
- FOR SWITCHBOARDS ABOVE 600V, FIVE-FOOT MINIMUM OF CLEAR AND LEVEL STANDING AND WORKING SPACE IS REQUIRED IN THE FRONT, REAR, AND SIDE OF ANY SECTION WHERE SUCH PART SUPPORTS OR PROVIDES ACCESS TO METERING, TESTING EQUIPMENT, OR SERVICE CABLE TERMINATION SECTIONS.

16.12 PROTECTIVE BARRIERS FOR SERVICE EQUIPMENT
 BARRIER POSTS ARE USED TO PROTECT THE METER AND SERVICE EQUIPMENT, AS WELL AS PERSONNEL FROM VEHICULAR CONTACT, AND TO PREVENT ENCROACHMENT INTO THE WORKING SPACE.
 (FOR EXAMPLE: LOADING ZONES, DRIVEWAYS, CONGESTED AREAS, OFF STREET PARKING, AND SO ON).
 THE CUSTOMER SHALL PROVIDE AND INSTALL "NON-REMOVABLE" BARRIERS TO PROVIDE THE PROPER SAFE WORKING CLEARANCES WHERE THE WORKSPACE IS EXPOSED TO VEHICULAR OR OTHER HAZARDOUS CONDITIONS. METERS WILL NOT BE SET UNTIL THE BARRIERS HAVE BEEN INSTALLED.

D98: Rev. 10/28/20

MINIMUM CLEARANCES FOR PADMOUNTED TRANSFORMERS
 SEE DDS-3, 3-40



NOTES:

- AN 8' MINIMUM CLEARANCE IS REQUIRED ON DOOR SIDE OF TRANSFORMER FOR OPERATION. THIS AREA MUST REMAIN CLEAR OF ALL OBSTRUCTIONS INCLUDING, BUT NOT LIMITED TO, SHRUBS, TREES, GATES, FENCES, WALLS, SIGNS AND POLES.
- PAD-MOUNTED TRANSFORMERS SHALL NOT BE LOCATED IN FRONT OF DOORS, STAIRWAYS, BENEATH WINDOWS THAT CAN BE OPENED, OR WHERE THEY WILL OBSTRUCT THE VISION OF VEHICULAR TRAFFIC.
- PAD-MOUNTED TRANSFORMERS SHALL BE LOCATED AT LEAST THE MINIMUM DISTANCE AWAY FROM BUILDINGS OR OTHER STRUCTURES TO ENSURE ADEQUATE SPACE FOR OPERATING, TO MINIMIZE VIBRATION HUMS, AND TO MEET FIRE SAFETY REQUIREMENTS.
- A CLEAR PASSAGEWAY OF 12 FEET MINIMUM SHALL BE AVAILABLE AT ALL TIMES, IMMEDIATELY ADJACENT TO ONE SIDE OF THE TRANSFORMER TO PROVIDE AN ACCESSIBLE ROADWAY FOR TRANSFORMER MAINTENANCE. THIS PASSAGEWAY SHALL BE DESIGNED TO MEET H-20 (20-TON) CONSTRUCTION.
- TRANSFORMER STRUCTURES WILL NORMALLY BE INSTALLED ONLY IN NONTRAFFIC AREAS. TRANSFORMER PROTECTION IS REQUIRED WHEN COMPANY EQUIPMENT IS EXPOSED TO TRAFFIC. THIS PROTECTION MAY BE IN THE FORM OF BARRIERS, BARRICADES, OR CURB. A CURB MUST HAVE A MINIMUM HEIGHT OF 6 INCHES AND BE AT LEAST 6 INCHES THICK AND ITS FRONT FACE LOCATED 60 INCHES MINIMUM FROM THE EQUIPMENT FOUNDATION.

D54: Rev. 05/14/12

CP23-02 BID ADDENDUM NO.1

DISTRICT 59 - VENTURA	PROJ. MGR. PACHECO, ALISON (805) 654-7437	PLANNER PACHECO, ALISON (805) 654-7437	DESIGNER ROBINSON, LAURA
PROJECT NO. 2489902	SERVICE REQUEST 3379407	MSR NO. TBD	PRODUCT-1 2034331-NEW METER & SERVICE
CIRCUIT / VOLTAGE REDSTONE 16KV	GPS 14888J-11810H	PRODUCT-2 14814	ASSOC DESIGN 1547600
SUB / PG NO. ESTERO [B2]	CIRCUIT CODE 14814	PRODUCT-3	ASSOC DESIGN
INVENTORY MAP 030-031B	J.P.A. NO. N/A	PROPOSED CONSTRUCTION (LOCATION) GOOAMP SERVICE @ 120/208 FOR FIRE TRAINING CENTER - RULE 16 102 DURLY AVE CAMARILLO CA 93010	
P 09/27/22	PACHECO	ROBINSON	20838
TYPE DATE	APPROVED BY	CHECKED BY	DRAWN BY FAX #
Southern California Edison Company			SHEET 2 of 2
DESIGN/DRAWING NO. 1547600_0.01			



PUBLIC WORKS

ENGINEERING SERVICES

MARY MCGRATH ARCHITECTS

610 14th STREET, SUITE 219
OAKLAND, CA 94612
phone: 510.208.9400
www.marymcgratharchitects.com



10839 PHILADELPHIA ROAD
WHITE MARSH, MD 21162
phone: 430.344.1460
www.mwsarch.com



PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO C21-777 & C21-778

NO	REVISION	DATE
BID SET		08-21-2023
BID REVISION		09-28-2023

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER

DRAWN BY	SL	CHECKED BY	MM
CONSULTANT JOB NO	123-456-789	DATE	04/22/2022

PROJECT TITLE AND ADDRESS

VENTURA COUNTY FIRE TRAINING CENTER

165 DURLEY AVE
CAMARILLO, CA 93010

COUNTY SPEC NUMBER

CP23-02

COUNTY PROJECT NUMBER

P6T18021

COUNTY DWG NO SHEET

25 of 123

SHEET TITLE

ENLARGED ARCHITECTURAL SITE PLAN

SHEET NO

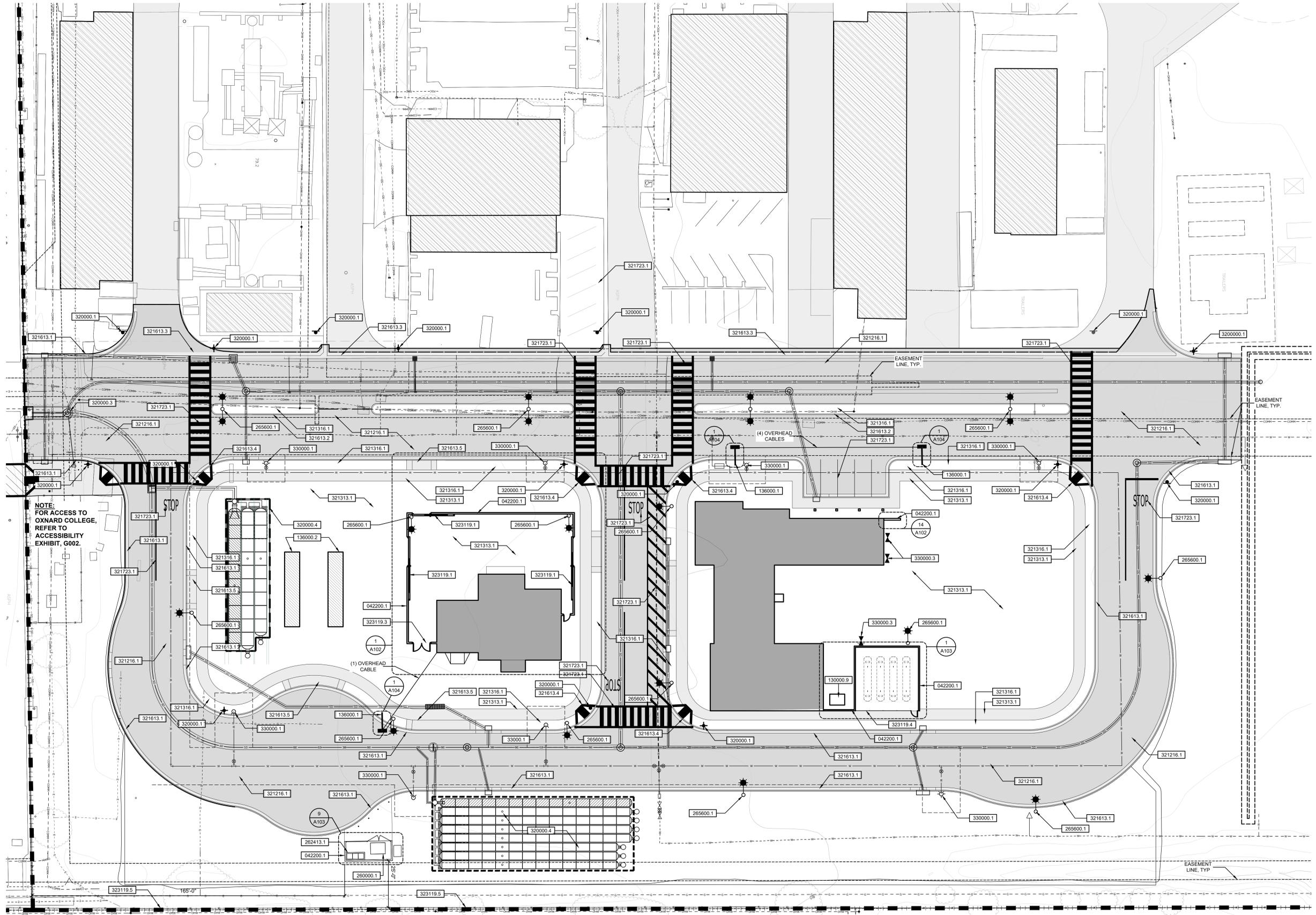
A101

KEYNOTES

- 042200.1 8" REINFORCED CMU BLOCK WALL. SEE DETAIL 6/A103 & 5/S104.
- 130000.9 LPG DUMPSTER FIRE PROP
- 136000.1 POWER POLE PROP, FURNISHED & INSTALLED BY CONTRACTOR. SEE DETAIL 1/A104
- 136000.2 NEW CLASS A CONEX BURN PROP, OWNER FURNISHED, OWNER INSTALLED
- 260000.1 NEW TRANSFORMER AND PAD. SEE ELECTRICAL SHEET ES-102
- 260000.2 NEW PULL BOX. SEE ELECTRICAL SHEET ES-102
- 262413.1 NEW MAIN ELECTRICAL SWITCHBOARD, SEE ELECTRICAL DETAIL 1/E-004
- 265600.1 SITE LIGHTING. SEE ELECTRICAL SHEET ES-103

- 320000.1 STREET SIGN POST AND SIGNAGE. SEE CIVIL DWGS. GRADING & DRAINAGE PLANS
- 320000.3 STORM DRAIN LIFT STATION. SEE CIVIL DWGS. GRADING & DRAINAGE PLANS
- 320000.4 UNDERGROUND WATER RETENTION AREA. SEE CIVIL DWGS. GRADING & DRAINAGE PLANS
- 321216.1 ASPHALT CONCRETE PAVEMENT. SEE CIVIL DWGS. GRADING & DRAINAGE PLANS
- 321313.1 PCC CONCRETE PAVEMENT. SEE CIVIL DWGS. GRADING & DRAINAGE PLANS
- 321316.1 STAMPED CONCRETE GREEN COLOR. SEE CIVIL DWGS. GRADING & DRAINAGE PLANS
- 321613.1 CONCRETE MOUNTABLE CURB WITH GUTTER. SEE CIVIL GRADING & DRAINAGE PLANS
- 321613.2 CONCRETE MOUNTABLE CURB. SEE CIVIL GRADING & DRAINAGE PLANS
- 321613.3 CONCRETE RIBBON GUTTER. SEE CIVIL GRADING & DRAINAGE PLANS
- 321613.4 CURB RAMP. SEE CIVIL GRADING & DRAINAGE PLANS
- 321613.5 DRIVEWAY. SEE CIVIL GRADING & DRAINAGE PLANS
- 321723.1 PAVEMENT MARKINGS. SEE CIVIL GRADING & DRAINAGE PLANS

- 323119.1 METAL SLIDING GATE. SEE 9/A102
- 323119.3 METAL SWINGING DOUBLE LEAF GATE. SEE 7/A102
- 323119.4 METAL FENCE WITH PERSON GATE. SEE 7/A103
- 323119.5 EXISTING FENCE, PROTECT IN PLACE & REPAIR AT AREAS OF NEW WORK
- 330000.1 FIRE HYDRANT. SEE CIVIL DWGS. GRADING & DRAINAGE PLANS
- 330000.3 GAS STUB UP. SEE DTL. 2/A104, PLUMB'G DWG B2-P100 & ELEC DWG. ES-102.



NOTE:
FOR ACCESS TO
OXNARD COLLEGE,
REFER TO
ACCESSIBILITY
EXHIBIT, G002.

1 ENLARGED ARCHITECTURAL SITE PLAN
1" = 20'





PUBLIC VENTURA COUNTY WORKS

ENGINEERING SERVICES

MARY MCGRATH ARCHITECTS

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OAKLAND, CA 94612
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PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO. C21-777 & C21-778

NO.	DESCRIPTION	DATE
1	BID SET	08-21-2023
4	BID REVISION	09-28-2023

FIRE DEPT. BUSINESS SERVICES MANAGER

DIRECTOR OF PUBLIC WORKS

DEPUTY DIRECTOR OF PUBLIC WORKS

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER

DRAWN BY Author CHECKED BY Checker

CONSULTANT JOB NO. DATE 20-126 08/21/2023

PROJECT TITLE AND ADDRESS

VENTURA COUNTY FIRE TRAINING CENTER

165 DURLEY AVE
CAMARILLO, CA 93010

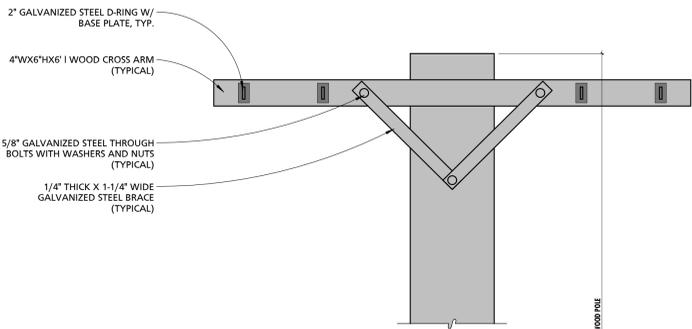
COUNTY SPEC NUMBER CP23-02

COUNTY PROJECT NUMBER P6T18021

COUNTY DWG NO SHEET 28 OF 123

SHEET TITLE SITE ELEMENTS

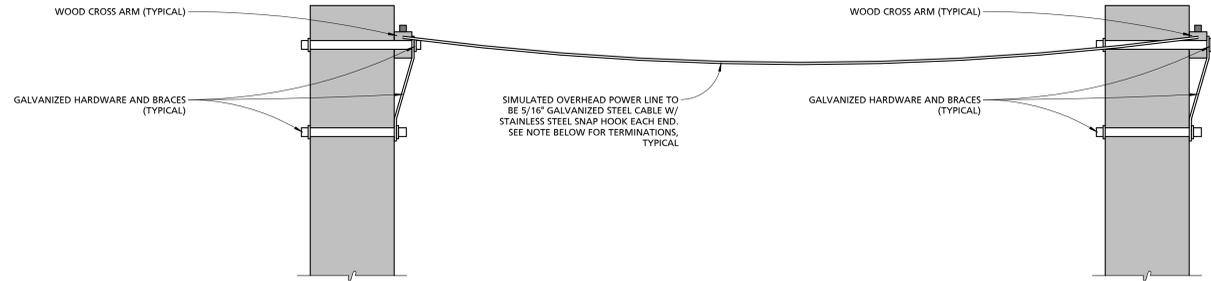
SHEET NO A104



25-FOOT CLASS 1 WOOD POLE WITH A FIVE-INCH MINIMUM TOP DIAMETER TREATED WITH A CHEMICAL PRESERVATIVE. REFER TO CA PUC/SCE/MNFG. CRITERIA FOR MATERIAL STRENGTH AND SETTING DEPTH

SITE PAVING, REFER TO CIVIL DRAWINGS

THE CONTRACTOR MUST SET THE SERVICE POLE IN NATURAL SOIL. THE BACKFILL MUST BE TAMPED TO A MINIMUM COMPACTION OF 90 PERCENT WITHIN A TWO-FOOT RADIUS OF THE POLE.



25-FOOT CLASS 1 WOOD POLE WITH A FIVE-INCH MINIMUM TOP DIAMETER TREATED WITH A CHEMICAL PRESERVATIVE. REFER TO CA PUC/SCE/MNFG. CRITERIA FOR MATERIAL STRENGTH AND SETTING DEPTH

THE CONTRACTOR MUST SET THE SERVICE POLE IN NATURAL SOIL. THE BACKFILL MUST BE TAMPED TO A MINIMUM COMPACTION OF 90 PERCENT WITHIN A TWO-FOOT RADIUS OF THE POLE.

25-FOOT CLASS 1 WOOD POLE WITH A FIVE-INCH MINIMUM TOP DIAMETER TREATED WITH A CHEMICAL PRESERVATIVE. REFER TO CA PUC/SCE/MNFG. CRITERIA FOR MATERIAL STRENGTH AND SETTING DEPTH

THE CONTRACTOR MUST SET THE SERVICE POLE IN NATURAL SOIL. THE BACKFILL MUST BE TAMPED TO A MINIMUM COMPACTION OF 90 PERCENT WITHIN A TWO-FOOT RADIUS OF THE POLE.

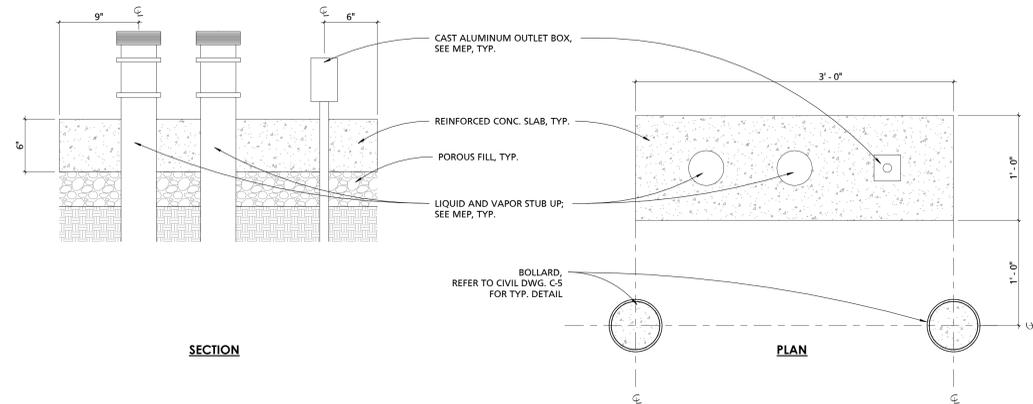
1 SECTION - TYPICAL SITE POWER POLE - TRAINING PROP

3/4" = 1'-0"

- POLE AND CROSS ARMS FURNISHED AND INSTALLED BY CONTRACTOR.
- D-RINGS AND CABLING BY CONTRACTOR.

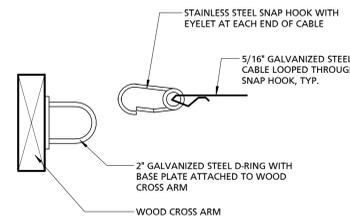
EXTENT AND TERMINATION OF SIMULATED OVERHEAD POWER LINES:

- PROVIDE SIMULATED OVERHEAD POWER LINES (TYPICAL OF 4) BETWEEN THE TWO TRAINING POWER POLES LOCATED ADJACENT TO THE MULTI-PURPOSE TRAINING BUILDING (B2)
- PROVIDE SIMULATED OVERHEAD POWER LINE (TYPICAL OF 1) BETWEEN THE CLASS A BURN BUILDING (B1) AND THE ADJACENT TRAINING POWER POLE.



2 MEP STUB UP DETAIL, TYP.

1 1/2" = 1'-0"



3 D-RING DETAIL

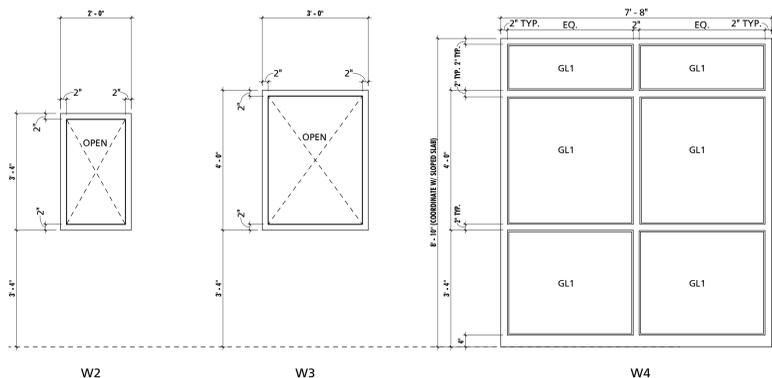
3" = 1'-0"

MARK	DOOR PANEL				FRAME				GLAZING				DETAILS				HARDWARE SET	COMMENTS			
	SIZE	TYPE	THICKNESS	MATERIAL	FINISH	FRAME TYPE	OVERALL HEIGHT	OVERALL WIDTH	DEPTH	THROAT	HEAD	JAMB	SIDE LITE WIDTH	MATERIAL	FINISH	THICKNESS			TYPE	HEAD	JAMB
100A	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	9'-0"	5 7/8"	4 7/8"	2"	2"	5'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3	
100B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
100C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
100D	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	9'-0"	5 7/8"	4 7/8"	2"	2"	5'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3	
101A	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	9'-0"	5 7/8"	4 7/8"	2"	2"	5'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3	
101A1	(2) 3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	6'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	DOUBLE ACTING BURN DOOR
101A2	BURN DOOR																				
101B	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	9'-0"	5 7/8"	4 7/8"	2"	2"	5'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3	
101B1	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	"NOT FOR TRAINING" PAINTED ON EXTERIOR
101C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
102A	(2) 3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	6'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-4	
102B	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	11'-0"	5 7/8"	4 7/8"	2"	2"	7'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3	
102C	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	11'-0"	5 7/8"	4 7/8"	2"	2"	7'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3	
102D	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	8'-0"	5 7/8"	4 7/8"	2"	2"	4'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-3	
102E	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	8'-0"	5 7/8"	4 7/8"	2"	2"	1'-6"	HM STL	HPC	1"	GL1	H3	J3	B2-4	
102F	3'-0" x 7'-0"	PANEL : FG	1 3/4"	HM STL	HPC	HM SL2+TR	8'-5"	7'-8"	5 7/8"	4 7/8"	2"	2"	1'-2"	HM STL	HPC	1"	GL1	H3	J3	B2-4	
103A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
103B	FORCIBLE ENTRY DOOR																				
104A	FORCIBLE ENTRY DOOR																				
104B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
104C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
105A	(2) 3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	6'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-1	"NOT FOR TRAINING" PAINTED ON EXTERIOR
106A	BURN DOOR																				
107A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
107B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
107C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	2'-10"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	"NOT FOR TRAINING" PAINTED ON EXTERIOR
108A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
110A	BURN DOOR																				
111A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
200A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
200A1	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	"NOT FOR TRAINING" PAINTED ON EXTERIOR
200B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
201A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
201B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
201C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
202A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
202B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
202C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
202C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
203A1	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	"NOT FOR TRAINING" PAINTED ON EXTERIOR
203B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
204A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
204B	BURN DOOR																				
204C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
205A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
205B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
205C	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	"NOT FOR TRAINING" PAINTED ON EXTERIOR
206A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-5	
300A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
301A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-2	"NOT FOR TRAINING" PAINTED ON EXTERIOR
ST1-1A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
ST1-1B	FORCIBLE ENTRY DOOR																				
ST1-2A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
ST2-1A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
ST2-1B	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
ST2-2A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	
ST2-3A	3'-0" x 7'-0"	PANEL : F	1 3/4"	HM STL	HPC	HM ST	7'-4"	3'-4"	5 7/8"	4 7/8"	4"	2"	0'-0"	HM STL	HPC	0"	--	H1	J1	B2-3	

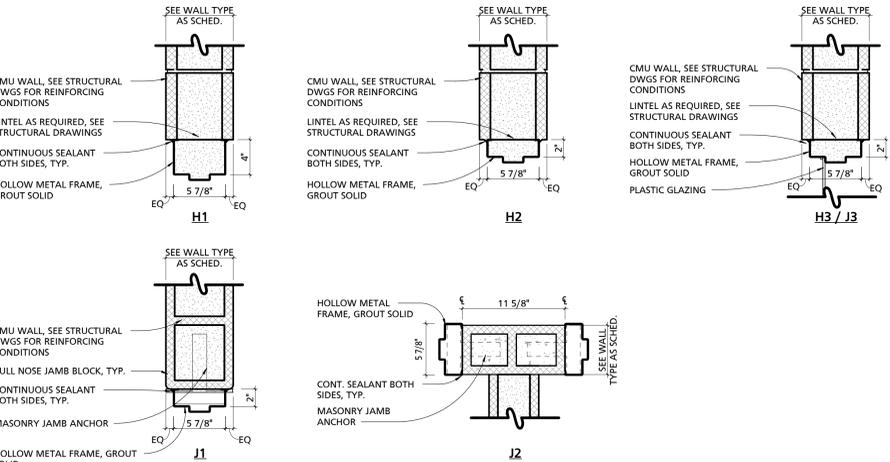
NOTE #	NOTE
1	SEE PARTITION SCHEDULE, FLOOR PLAN, AND STRUCTURAL DRAWINGS FOR CONSTRUCTION OF WALLS AND PARTITIONS.
2	DETAILS MAY VARY AT EACH DOOR. VERIFY EACH CONDITION IN FIELD.
3	SEE A900 SERIES FOR BURN DOOR DETAILS
4	RAISE BURN DOOR UP TO THE NEXT COURSE OF BLOCK WHERE DOOR UNDERCUT IS 8" OR MORE
5	PROVIDE FORCIBLE ENTRY DOORS: BASIS OF DESIGN CATALYST FORCE ENTRY DOOR - DIRECT MOUNT AS MANUFACTURED BY FORCIBLE ENTRY INC. OR APPROVED EQUAL. COORDINATE MASONRY OPENING WITH MANUFACTURER'S REQUIREMENTS.
6	ALL EXTERIOR TRAINING DOORS TO HAVE AN EXTERIOR MOUNTED HINGE PULLING / CUTTING PROF MOUNTED ADJACENT TO DOORS. FINAL LOCATION TO BE DETERMINED IN FIELD PRIOR TO INSTALLATION. BASIS OF DESIGN AS MANUFACTURED BY FORCIBLE ENTRY INC. OR APPROVED EQUAL.

TYPE MARK	OPERATION	WIDTH	HEIGHT	SILL HEIGHT	HEAD	JAMB	REMARKS
W2	FIXED	2'-0"	3'-4"				SEE A903 FOR DETAILS
W3	FIXED	3'-0"	4'-0"				SEE A903 FOR DETAILS
W4		7'-8"	8'-10"	0'-0"	H3	J3	

MARK	DESCRIPTION	COMMENTS
GL1	PLASTIC GLAZING	

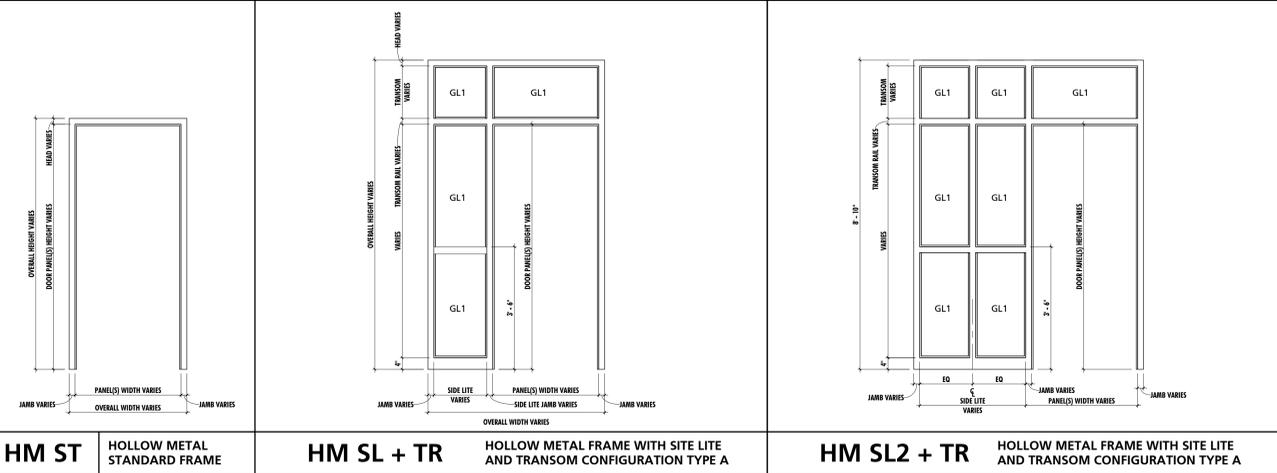


WINDOW TYPES
1/2" = 1'-0"



HOLLOW METAL DOOR DETAILS
1/2" = 1'-0"

DOOR PANEL TYPES
1/2" = 1'-0"



FRAME TYPES
1/2" = 1'-0"