

June 17, 2026

ADDENDUM NO. 3

Interim Fire Station No. 7

Specification No. 2025-010

This addendum is hereby made a part of the contract documents to the same extent as if it were originally included. Contractor shall download the addendum through the QuestCDN bidding site. Failure to download this addendum will negate the Contractor's ability to submit a bid.

BID OPENING DATE

The Bid Opening Date has not changed. Bids are due **June 25th, 2026, at 2:00 p.m.**

INSTRUCTIONS TO BIDDERS

Item 17. Bid Guarantee

As clarification, in the Surety2000 website (<https://surety2000.com>), reference the "City of San Buenaventura" as "City of Ventura".

DRAWINGS

The following drawing sheets are hereby replaced in their entirety:

Sheet 32 OF 151, MODULAR DETAILS (rev.1, June 15, 2026)

Sheet 97 OF 151, SINGLE LINE DIAGRAM (rev.1, June 08, 2026)

Sheet 98 OF 151, PANEL SCHEDULES (rev.1, June 08, 2026)

Sheet 106 OF 151, APPARATUS BAY ELECTRICAL PLAN (rev.1, June 08, 2026)

Sheet 109 OF 151, CONDUIT & CABLE SCHEDULE (rev.1, June 08, 2026)

Sheet 150 OF 151, SOUTHERN CALIFORNIA EDISON - (SCE) Final Design Plans

Sheet 151 OF 151, SOUTHERN CALIFORNIA EDISON - (SCE) Final Design Plans

TECHNICAL SPECIFICATIONS:

Section 079200 – Joint Sealants has been added to the Contract Documents. The Table of Contents has been revised accordingly to reflect the inclusion of this new specification section.

QUESTIONS AND ANSWERS

Refer to ADDENDUM No. 3. – Question and Answers Log No. 1, attached hereto, for responses to questions received.

By downloading this addendum, Bidder acknowledges receipt of all issued addenda as uploaded to the QuestCDN bidding platform.

QUESTIONS / BIDDER RFI

The deadline for submission of all questions and RFIs is Thursday June 18, 2026, at 5:00 p.m.

ADDENDUMS

The deadline for CITY to issue ADDENDA is Monday June 22, 2026, by 2 PM.

ATTACHMENTS

ADDENDUM No. 3. – Question and Answers Log No. 1
EXHIBIT A -Table of Contents
EXHIBIT B - Section 079200 – Joint Sealants
Sheet 32 OF 151, MODULAR DETAILS (rev.1, June 15, 2026)
Sheet 97 OF 151, SINGLE LINE DIAGRAM (rev.1, June 08, 2026)
Sheet 98 OF 151, PANEL SCHEDULES (rev.1, June 08, 2026)
Sheet 106 OF 151, APPARATUS BAY ELECTRICAL PLAN (rev.1, June 08, 2026)
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Sheet 151 OF 151, SOUTHERN CALIFORNIA EDISON- (SCE) Final Design Plans



Travis Gonsalves
Acting Principal Civil Engineer

**Interim Fire Station No. 7 Project
Specification NO. 2025-010**

ADDENDUM No. 3. – Question and Answers Log No. 1

1-1	Is there a specified security manufacturer or approved manufacturer list being requested for this project (Avigilon, Bosch, etc.) or are equivalent solutions acceptable?	Equivalent solutions are acceptable Contractor must submit for approval.
1-2	Are all required software licenses to be included within our proposal?	City/Owner will handle all software licensing.
1-3	Will owner IT/networking provide switches, IP addressing, VLAN configuration, and network connectivity, or should those items be included within our scope?	City/Owner will handle this scope.
1-4	Is central station monitoring or remote monitoring integration required as part of this project?	City/Owner will handle remote monitoring.
1-5	What is the required cabling, copper, and/or fiber, to be brought to the new Telecomm room from the street vault(s)? Cable count, # of pairs for Telco, Type of fiber & fiber count?	<ul style="list-style-type: none"> • Single mode fiber optic cable om-4. • 6 strands fiber count. • Contractor is required to provide service from Alessandro Drive to the Telecom Room in the Living Quarters. • Candidates for service delivery are: Spectrum Business, or Inet2.
1-6	Is there more information or a detail available for the Telecom room showing rack or cabinet location/specifics, as well as the area for the fire-rated backboard installation?	<ul style="list-style-type: none"> • City/Owner will provide a 20 U Rack, with installation required by Contractor. Rack will be wall mounted on fire-rated backboard. • Contractor will be required to provide and install fire-rated backboard.
1-7	Is there a design plan/layout for the cable tray?	Please refer to Sheet 19 “TELECOM PLAN”.
1-8	Is the cable tray needed in the telecom room?	Yes.
1-9	<p>Please confirm whether the low-voltage contractor is required to furnish and install any telecom room equipment, including but not limited to:</p> <ul style="list-style-type: none"> • Equipment rack(s) • Wall-mounted cabinet(s) • Telecommunications backboard(s) • Patch panels • Ladder rack/cable management 	<p><u>City will furnish and Contractor will install:</u></p> <ul style="list-style-type: none"> • equipment racks • wall-mounted cabinets panels • patch panels <p><u>Contractor will furnish and install:</u></p> <ul style="list-style-type: none"> • Telecommunication Backboards. • Ladder rack/cable management (outside of cabinet)

	<ul style="list-style-type: none"> • Grounding/bonding components 	<ul style="list-style-type: none"> • Grounding/bonding components
1-10	<p>Fiber Optic Scope. Please confirm whether the low-voltage contractor is required to furnish, install, terminate, and test fiber optic cabling as part of this project, or if the scope is limited to conduit/pathway infrastructure only</p>	<ul style="list-style-type: none"> • Contractor is required to furnish and install and test fiber optic cabling from Alessandro Drive to the Telecom Room located in the Living Quarters. • Refer to Plan Sheet # 19 TELECOM PLAN and Plan Sheet # 9 UTILITY PLAN. • 6 strand single-mode om-4.
1-11	<p>If fiber optic cabling is required, please provide:</p> <ul style="list-style-type: none"> • Fiber type (single-mode or multimode) • Strand count • Start and end locations • Termination requirements • Connector type • Fiber enclosure/FDP requirements • Testing requirements 	<ul style="list-style-type: none"> • Fiber type/ Strand count: 6 strand single-mode om-4. • Start and end locations: From Alessandro Drive to Telecom Room, located in Living Quarters. • Termination requirements/Connector Type: SFP+ 10G, LC Connector. • Fiber enclosure/FDP requirements: See Plan Sheet 9 UTILITY PLAN. • Testing requirements: Contractor is responsible to set up testing with vendor for the Alerting Dispatch system. Other low-voltage systems are the responsibility of City/Owner.
1-12	<p>Telecom Service Entrance / Demarcation. Please identify the telecom service provider demarcation location and clarify the required pathway and termination point for incoming telecommunications services</p>	<ul style="list-style-type: none"> • Telecom service Provide: Spectrum Business or Inet2. • Demarcation location: See Plan Sheet 9 UTILITY PLAN. • Pathway: See Plan Sheet # 9 UTILITY PLAN.
1-13	<p>The Fire Alerting / USDD systems shown on the plans are not included in our proposal and are assumed to be furnished and installed by the specialty fire alarm / fire station alerting contractor</p>	<p>Correct. City/Owner will purchase and install the Fire Alerting/USDD system.</p>
1-14	<p>Regarding the SCE plans, Sheet 1 of 2 calls for precast tub-type vaults with cover restraints (referencing USG VA 410) to be placed on Alessandro Drive per Sheet 2 of 2. We are unable to find the required vault sizes specified in the drawings. Could you please provide the respective vault sizes for this location?</p>	<p>The dimensions for the MANHOLE TUB STYLE callout in the sheet 02 of 02 of SCE drawings are internal dimensions. Using the detail UGS VA 410 in SCE UGS standard, dimensions mentioned are external dimensions. Contractor should reach out to any supplier with these details, and Supplier can provide details of the vault that meets these specs.</p>
1-15	<p>ADDENDUM 2 Q&A #1-62 states the contractor is required to install insulation in the Apparatus Bay. What is the scope? Are there details?</p>	<p>Correction to Addendum No.2 response to 1-62. The Contractor is not responsible for insulation in the Apparatus Bay. Insulation will be included by the modular vendor.</p>
1-16	<p>Is the Contractor responsible for any painting scope at the modular or steel buildigs?</p>	<p>Contractor is not responsible for any painting of the Modular Building to Apparatus Bay.</p>

1-17	Is there any monokote, intumescent paint, fireproofing, etc. that the contractor is responsible for? Sheet 22 general note 3 6-G indicates fireproofing.	Contractor is not responsible for any monokote, intumescent paint, fireproofing.
1-18	Is there a spec for the masonry walls? No colors or finishes are called out in the plans. They do not reference a specification?	The masonry walls shall be gray in color with a smooth, untextured finish.
1-19	Waterproofing Locations and Specs. The response to RFI 1-55 states that waterproofing is required below grade at site or trash enclosure walls: Please provide exact locations and specifications for any required waterproofing.	Please refer to Plan Sheet #29, TYPICAL CONCRETE DETAILS – Detail 3 – Vapor Barrier Detail. No additional waterproofing is required.
1-20	Waterproofing Locations and Specs. RFI 1-56 asks if waterproofing is required at any below grade locations at the buildings. The answer refers to insulation, not waterproofing. Please respond to the waterproofing question.	See Response to 1-19 above.
1-21	Building Insulation. The answer to RFI 1-63 states that insulation is required for the prefabricated metal building. However, the responsibility matrix issued with Addendum 2 list Clear Span as responsible for insulation in the metal building: Please confirm whether the contractor is responsible for any insulation on the project and, if so, please provide exact locations and material specifications.	Contractor is not responsible for insulation for the Apparatus Bay (metal building). Insulation is included and pre-installed by the modular vendor.
1-22	24/7 Site Security. The responsibility matrix included in addendum 2 lists the contractor as responsible for 24/7 site security: Please confirm this requirement and provide a definition of 24/7 site security that specifies and armed guard on site 24/7, electronic surveillance, etc.	24/7 site security is not required. However, the site must be secured with fencing at all times, including temporary fencing if required.
1-23	OFCI Equip. The responsibility matrix included in addendum 2 list OFCI materials, equipment and accessories as a contractor responsibility: Please provide a comprehensive list of OFCI items.	<p>The following Items are City/Owner/Modular-Vendor Furnished <u>and</u> Installed:</p> <ul style="list-style-type: none"> • Modular Buildings (Living Space + Gym). • Apparatus Bay (Metal Building). • All equipment/furniture/appliances within the Modular Buildings (Living Space + Gym) and the Apparatus Bay (Metal Building). • Water Meters. <p>The following Items are City/Owner Furnished and <u>Contractor</u> Installed:</p> <ul style="list-style-type: none"> • Fire Alert Dispatching System.

		<ul style="list-style-type: none"> The Emergency Generator.
1-24	Exterior Enhanced Painting and Logos. The Responsibility Matrix included in addendum 2 lists the contractor as responsible for Exterior Enhanced Painting and Logos: Please provide drawings, details and specifications for this scope of work.	No enhanced painting and Logos are required on either the Modular Building (Living Quarters + Gym) or the Apparatus Bay (Metal Building).
1-25	Seal Coat Surfacing. The Responsibility Matrix included in addendum 2 lists the contractor as responsible for Seal Coat Surfacing: Please provide drawings, details and specifications for this scope of work.	See Replacement Plan Sheet # 32 in this Addendum No. 3 and see additional technical specification in this Addendum No.3 (Exhibit B of Addendum No. 3).
1-26	Water Vapor Emission. The Responsibility Matrix included in addendum 2 lists the contractor as responsible for Water Vapor Emission: Please provide drawings, details and specifications for this scope of work.	"Water Vapor Emission" line item on the Responsibility Matrix provided under Addendum No. 2, is deleted from the Matrix.
1-27	Necessary Specialists. The Responsibility Matrix included in addendum 2 lists the contractor as responsible for All Necessary Specialists as Required by Regulatory Agencies per Site Conditions: Please provide a detailed list of the Specialists that the Contractor will be responsible for hiring.	"Necessary Specialists" line item on the Responsibility Matrix provided under Addendum No. 2, is deleted from the Matrix.
1-28	Foundation Counter Flashing. The Responsibility Matrix included in addendum 2 lists the contractor as responsible for Foundation Counter Flashing: Please provide drawings, details and specifications for this scope of work.	See Replacement Plan Sheet # 32 in this Addendum No. 3 and see additional technical specification in this Addendum No.3 (Exhibit B of Addendum No. 3).
1-29	Necessary Signage. The Responsibility Matrix included in addendum 2 lists the contractor as responsible for "all necessary signage throughout building." Please provide locations and specifications for what is considered all necessary signage.	The City/Owner will provide further details/guidance re/ signage in a subsequent Addendum (Addendum #4).
1-30	Fire Alarm/Alerting. The response to RFI 1-54 states that the fire alarm and the alert systems are the responsibility of the Modular vendor, but the responsibility matrix says that the contractor is responsible: Please clarify.	See Item 1-13 above. City/Owner will purchase and install the Fire Alerting/USDD system. See updated Attachment 2 from Addendum 2.
1-31	On the fillable Interim Fire Station proposal packet, will the City accept wet signatures & a scanned packet uploaded into the portal vs. Digital signature? Our company policy prefers wet signatures if possible.	The Contractor can submit proposal package with a digital signature or a scan of a wet signature.

TECHNICAL SPECIFICATION**TABLE OF CONTENTS**

- Structural Foundation
 - Section 031000 Structural Cast-In-Place Concrete Formwork
 - Section 032000 Concrete Reinforcement
 - Section 033000 Cast-In-Place Concrete Structural Foundation
 - Section 079200 Joint Sealants**
- Seismic Details
 - Section 079513 Expansion and Seismic Joint Cover
- Plumbing
 - Section 211313 Wet-Pipe Fire Sprinkler System
 - Section 220000 Plumbing
 - Section 221113 Facility Water Sewer And Storm Water Service Piping
 - Section 221323 Sewer Clarifier
 - Section 223313 Electric Commercial Water Heater
- Mechanical
 - Section 230000 Heating, Ventilating, And Air Conditioning
 - Section 230013 General Mechanical Requirements
 - Section 232516 Straight Rail Vehicle Exhaust Removal System
- Communications
 - Section 078413 Penetration Firestopping
 - Section 270528 Pathways For Communications Systems
 - Section 270526 Grounding And Bonding For Communications Systems
 - Section 270536 Cable Trays For Communications Systems
 - Section 271500 Communications Horizontal Cablings
 - Section 270544 Sleeves And Sleeve Seals For Communications Pathways And Cabling
- Fire Alarm System
 - Section 283111 - Digital, Addressable Fire-Alarm System
- Fire Alerting Dispatching System
 - Section 275000 Distributed Communication and Monitoring System

Electrical

Section 013300 Submittal Procedures

Section 017700 Closeout Procedures

Section 260500 Common Work Results For Electrical

Section 260503 Utility Coordination

Section 260521 Low Voltage Wire Connections

Section 260526 Grounding And Bonding

Section 260529 Hangers And Supports

Section 260533 Conduits

Section 260534 Boxes

Section 260553 Identification For Electrical Systems

Section 260573 Electrical Power System Studies

Section 260850 Field Electrical Acceptance Tests

Section 262214 Dry-Type Transformers

Section 262413 Switchboards

Section 262416 Panelboards

Section 262726 Wiring Devices

Section 262801 Low Voltage Molded Case Circuit Breakers

Section 263214 Diesel Generator Sets

Section 263624 Automatic Transfer Switches

Section 264314 Surge Protective Devices

- LIGHT

Section 260145 Lighting Control Devices

Section 265613 Lighting Pole And Standard

Section 265619 LED Exterior Lighting

Section 079200

Joint Sealants

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Nonsag gunnable joint sealants.
- B. Self-leveling pourable joint sealants.
- C. Joint backings and accessories.

1.02 REFERENCE STANDARDS

- A. ASTM C661 - Standard Test Method for Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer; 2006 (Reapproved 2011).
- B. ASTM C834 - Standard Specification for Latex Sealants; 2014.
- C. ASTM C881/C881M - Standard Specification for Epoxy-Resin-Base Bonding Systems for Concrete; 2014.
- D. ASTM C919 - Standard Practice for Use of Sealants in Acoustical Applications; 2012.
- E. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2014.
- F. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2013.
- G. ASTM C1248 - Standard Test Method for Staining of Porous Substrate by Joint Sealants; 2008 (Reapproved 2012).
- H. ASTM C1311 - Standard Specification for Solvent Release Sealants; 2014.
- I. ASTM D2240 - Standard Test Method for Rubber Property--Durometer Hardness; 2005 (Reapproved 2010).
- J. ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials; 2015.
- K. UL 263 - Standard for Fire Tests of Building Construction and Materials; Current Edition, Including All Revisions.

1.03 SUBMITTALS

- A. See Section 01 3301 - Submittals for submittal procedures.
- B. Product Data for Sealants: Submit manufacturer's technical data sheets for each product to be used, that includes the following.
 - 1. Physical characteristics, including movement capability, VOC content, hardness, cure time, and color availability.
 - 2. List of backing materials approved for use with the specific product.
 - 3. Substrates that product is known to satisfactorily adhere to and with which it is compatible.
 - 4. Substrates the product should not be used on.
 - 5. Substrates for which use of primer is required.
 - 6. Installation instructions, including precautions, limitations, and recommended backing materials and tools.
- C. Color Cards for Selection: Where sealant color is not specified, submit manufacturer's color cards showing standard colors available for selection.

- D. Samples for Verification: Where custom sealant color is specified, obtain directions from Architect and submit at least two physical samples for verification of color of each required sealant.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in performing the work of this section and with at least three years of documented experience.
- C. Work to be performed by workers thoroughly trained and familiar with the requirements of joint sealer

1.05 MOCK-UP

- A. Provide mock-up of sealant joints in conjunction with window under provisions of Section 01 4000.
- B. Construct mock-up with specified sealant types and with other components noted.
- C. Locate where directed.
- D. Mock-up may remain as part of the Work.

1.06 FIELD CONDITIONS

- A. Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.

1.07 WARRANTY

- A. See Section 01 7700 - Closeout Procedures for additional warranty requirements.
- B. Correct defective work within a five year period after Date of Substantial Completion.
- C. Warranty: Include coverage for installed sealants and accessories that fail to achieve watertight seal, exhibit loss of adhesion or cohesion, or do not cure.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Non-Sag Sealants: Permits application in joints on vertical surfaces without sagging or slumping.
 1. Bostik Inc: www.bostik-us.com
 2. Dow: www.dow.com
 3. Hilti, Inc: www.us.hilti.com
 4. Master Builders Solutions: www.master-builders-solutions.com/en-us/#sle.
 5. Pecora Corporation: www.pecora.com
 6. QUIKRETE Companies: www.quikrete.com
 7. Sherwin-Williams Company: www.sherwin-williams.com
 8. Sika Corporation: www.usa.sika.com/#sle.
 9. Tremco Commercial Sealants & Waterproofing: www.tremcosealants.com
 10. W.R. Meadows, Inc: www.wrmeadows.com
- B. Self-Leveling Sealants: Pourable or self-leveling sealant that has sufficient flow to form a smooth, level surface when applied in a horizontal joint.
 1. Dow: www.dow.com
 2. Master Builders Solutions: www.master-builders-solutions.com/en-us
 3. Pecora Corporation: www.pecora.com
 4. QUIKRETE Companies: www.quikrete.com
 5. Sherwin-Williams Company: www.sherwin-williams.com
 6. Sika Corporation: www.usa.sika.com
 7. Tremco Commercial Sealants & Waterproofing: www.tremcosealants.com
 8. W.R. Meadows, Inc: www.wrmeadows.com

2.02 JOINT SEALANT APPLICATIONS

- A. Scope:
1. Exterior Joints: Seal open joints, whether or not the joint is indicated on drawings, unless specifically indicated not to be sealed. Exterior joints to be sealed include, but are not limited to, the following items.
 - a. Wall expansion and control joints.
 - b. Joints between door, window, and other frames and adjacent construction.
 - c. Joints between different exposed materials.
 - d. Openings below ledge angles in masonry.
 - e. Other joints indicated below.
 2. Interior Joints: Do not seal interior joints unless specifically indicated to be sealed. Interior joints to be sealed include, but are not limited to, the following items.
 - a. Joints between door, window, and other frames and adjacent construction.
 - b. In sound-rated wall and ceiling assemblies, gaps at electrical outlets, wiring devices, piping, and other openings; between wall/ceiling and other construction; and other flanking sound paths.
 - c. Other joints indicated below.
 3. Do not seal the following types of joints.
 - a. Joints indicated to be treated with manufactured expansion joint cover or some other type of sealing device.
 - b. Joints where sealant is specified to be provided by manufacturer of product to be sealed.
 - c. Joints where installation of sealant is specified in another section.
 - d. Joints between suspended panel ceilings/grid and walls.
- B. Exterior Joints: Use non-sag non-staining silicone sealant, unless otherwise indicated.
1. Lap Joints in Sheet Metal Fabrications: Butyl rubber, non-curing.
 2. Lap Joints between Manufactured Metal Panels: Butyl rubber, non-curing.
 3. Control and Expansion Joints in Concrete Paving: Self-leveling polyurethane "traffic-grade" sealant.
 4. Wiring Slots in Concrete Paving: Self-leveling epoxy sealant.
- C. Interior Joints: Use non-sag polyurethane sealant, unless otherwise indicated.
1. Wall and Ceiling Joints in Non-Wet Areas: Acrylic emulsion latex sealant.
 2. Wall and Ceiling Joints in Wet Areas: Non-sag polyurethane sealant for continuous liquid immersion.
 3. Floor Joints in Wet Areas: Non-sag polyurethane "non-traffic-grade" sealant suitable for continuous liquid immersion.
 4. Joints between Fixtures in Wet Areas and Floors, Walls, and Ceilings: Mildew-resistant silicone sealant; white.
 5. In Sound-Rated Assemblies: Acrylic emulsion latex sealant.
 6. Narrow Control Joints in Interior Concrete Slabs: Self-leveling epoxy sealant.
- D. Interior Wet Areas: Bathrooms, restrooms, kitchens, food service areas, food processing areas, and _____; fixtures in wet areas include plumbing fixtures, food service equipment, countertops, cabinets, other similar items, and _____.
- E. Sound-Rated Assemblies: Walls and ceilings identified as "STC-rated", "sound-rated", or "acoustical".

2.03 JOINT SEALANTS - GENERAL

- A. Colors: As indicated on drawings or as selected by Architect from manufacturer's full color line.

2.04 NONSAG JOINT SEALANTS

- A. Non-Staining Silicone Sealant: ASTM C920, Grade NS, Uses M and A; not expected to withstand continuous water immersion or traffic.
1. Movement Capability: Plus and minus 50 percent, minimum.

2. Non-Staining To Porous Stone: Non-staining to light-colored natural stone when tested in accordance with ASTM C1248.
 3. Dirt Pick-Up: Reduced dirt pick-up compared to other silicone sealants.
 4. Color: To be selected by Architect from manufacturer's standard range.
- B. Type ___ - Mildew-Resistant Silicone Sealant: ASTM C920, Grade NS, Uses M and A; single component, mildew resistant; not expected to withstand continuous water immersion or traffic.
1. Color: White.
- C. Polyurethane Sealant: ASTM C920, Grade NS, Uses M and A; single or multi-component; not expected to withstand continuous water immersion or traffic.
1. Movement Capability: Plus and minus 25 percent, minimum.
 2. Color: To be selected by Architect from manufacturer's standard range.
- D. Polyurethane Sealant for Continuous Water Immersion: ASTM C920, Grade NS, Uses M and A; single or multi-component; explicitly approved by manufacturer for continuous water immersion; suitable for traffic exposure when recessed below traffic surface.
1. Movement Capability: Plus and minus 35 percent, minimum.
- E. Non-Sag "Traffic-Grade" Polyurethane Sealant: ASTM C920, Grade NS, Uses M and A; single or multi-component; explicitly approved by manufacturer for continuous water immersion and traffic without the necessity to recess sealant below traffic surface.
1. Movement Capability: Plus and minus 25 percent, minimum.
 2. Hardness Range: 40 to 50, Shore A, when tested in accordance with ASTM C661.
- F. Epoxy Sealant: ASTM C881/C881M, Type I and III, Grade 3, Class B and C; two-component.
1. Hardness Range: 65 to 75, Shore D, when tested in accordance with ASTM C661.
 2. Color: To be selected by Architect from manufacturer's standard range.
- G. Acrylic Emulsion Latex: Water-based; ASTM C834, single component, non-staining, non-bleeding, non-sagging; not intended for exterior use.
1. Color: To be selected by Architect from manufacturer's standard range.
- H. Acrylic Latex Sealant, Water-Based: ASTM C834 Type OP - Opaque and Grade Minus 18 degrees C (0 degrees F); ASTM C920 Class 100/50 for white and colors, and Class 25/25 for clear.
1. Color: To be selected by Architect from manufacturer's standard range.
- I. Acrylic Latex Sealant: ASTM C834; for use as acoustical sealant and in firestopping systems for expansion joints and through penetrations.
1. Fire Rated System: Complies with UL 263 and ASTM E119 with UL fire resistance classifications.
- J. Non-Curing Butyl Sealant: Solvent-based, single component, non-sag, non-skinning, non-hardening, non-bleeding; non-vapor-permeable; intended for fully concealed applications.

2.05 SELF-LEVELING SEALANTS

- A. Self-Leveling Polyurethane Sealant: ASTM C920, Grade P, Uses M and A; single or multi-component; explicitly approved by manufacturer for traffic exposure; not expected to withstand continuous water immersion .
1. Movement Capability: Plus and minus 25 percent, minimum.
 2. Color: Gray.
- B. Flexible Polyurethane Foam: Single-component, gun grade, and low-expanding.
- C. Semi-Rigid Self-Leveling Epoxy Joint Filler: Epoxy or epoxy/polyurethane copolymer; intended for filling cracks and control joints not subject to significant movement; rigid enough to support concrete edges under traffic.
1. Composition: Multi-component, 100 percent solids by weight.
 2. Durometer Hardness: Minimum of 85 for Type A or 35 for Type D, after seven days when tested in accordance with ASTM D2240.
 3. Joint Width, Minimum: 1/8 inch.

2.06 ACCESSORIES

- A. Backer Rod: Cylindrical cellular foam rod with surface that sealant will not adhere to, compatible with specific sealant used, and recommended by backing and sealant manufacturers for specific application.
- B. Backing Tape: Self-adhesive polyethylene tape with surface that sealant will not adhere to and recommended by tape and sealant manufacturers for specific application.
- C. Masking Tape: Self-adhesive, nonabsorbent, non-staining, removable without adhesive residue, and compatible with surfaces adjacent to joints and sealants.
- D. Joint Cleaner: Non-corrosive and non-staining type, type recommended by sealant manufacturer; compatible with joint forming materials.
- E. Primers: Type recommended by sealant manufacturer to suit application; non-staining.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that joints are ready to receive work.
- B. Verify that backing materials are compatible with sealants.
- C. Verify that backer rods are of the correct size.

3.02 PREPARATION

- A. Remove loose materials and foreign matter that could impair adhesion of sealant.
- B. Clean joints, and prime as necessary, in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Mask elements and surfaces adjacent to joints from damage and disfigurement due to sealant work; be aware that sealant drips and smears may not be completely removable.

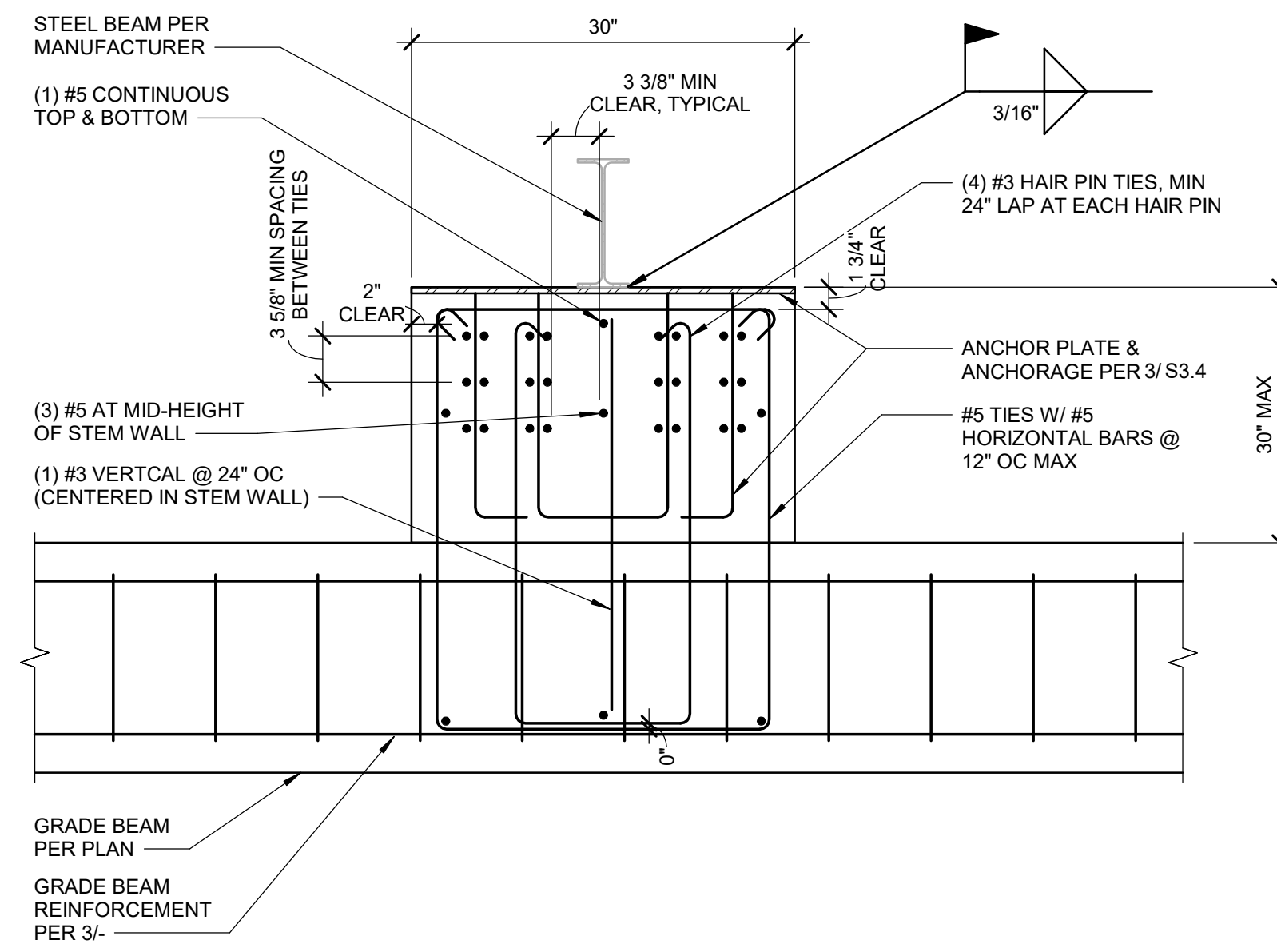
3.03 INSTALLATION

- A. Perform work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Perform installation in accordance with ASTM C1193.
- C. Perform acoustical sealant application work in accordance with ASTM C919.
- D. Measure joint dimensions and size joint backers to achieve width-to-depth ratio, neck dimension, and surface bond area as recommended by manufacturer, except where specific dimensions are indicated.
- E. Install bond breaker backing tape where backer rod cannot be used.
- F. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without getting sealant on adjacent surfaces.
- G. Do not install sealant when ambient temperature is outside manufacturer's recommended temperature range, or will be outside that range during the entire curing period, unless manufacturer's approval is obtained and instructions are followed.
- H. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface.
- I. Concrete Floor Joint Filler: After full cure, shave joint filler flush with top of concrete slab.

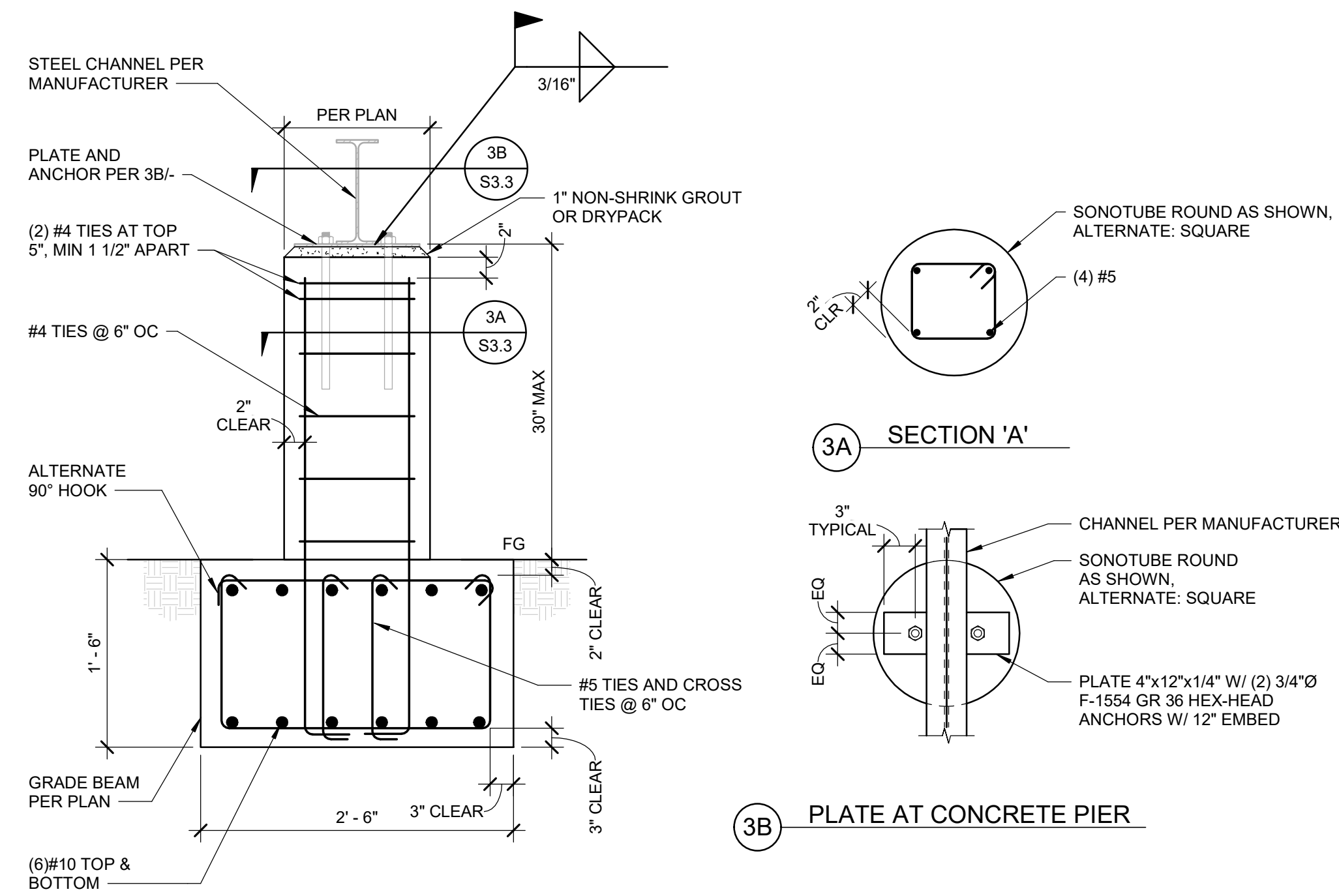
3.04 POST-OCCUPANCY

- A. Post-Occupancy Inspection: Perform visual inspection of entire length of project sealant joints at a time that joints have opened to their greatest width; i.e. at low temperature in thermal cycle. Report failures immediately and repair.

End of Section

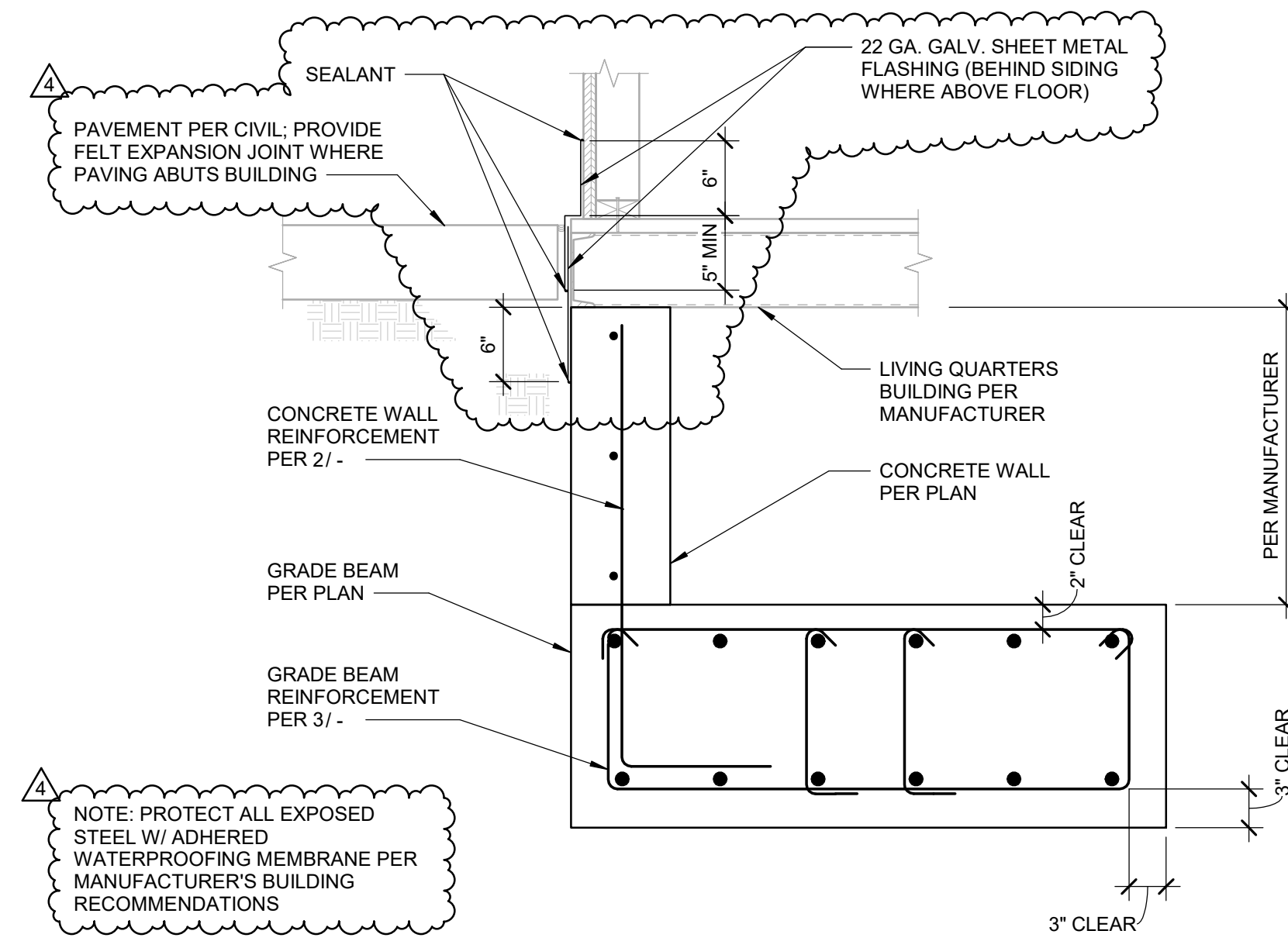


5 INTERIOR SECTION AT MODLINE
SCALE: 1" = 1'-0"

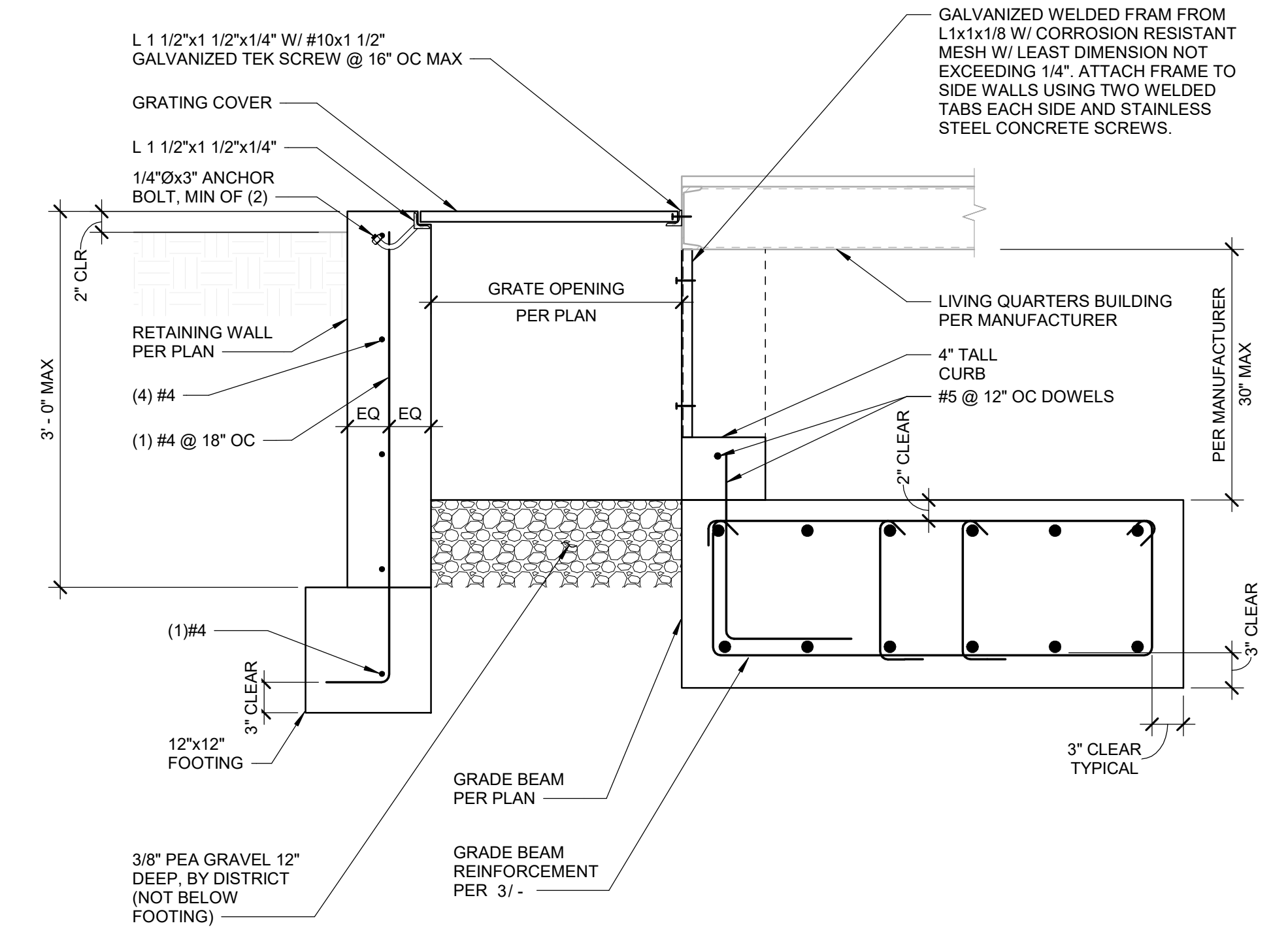


3B PLATE AT CONCRETE PIER

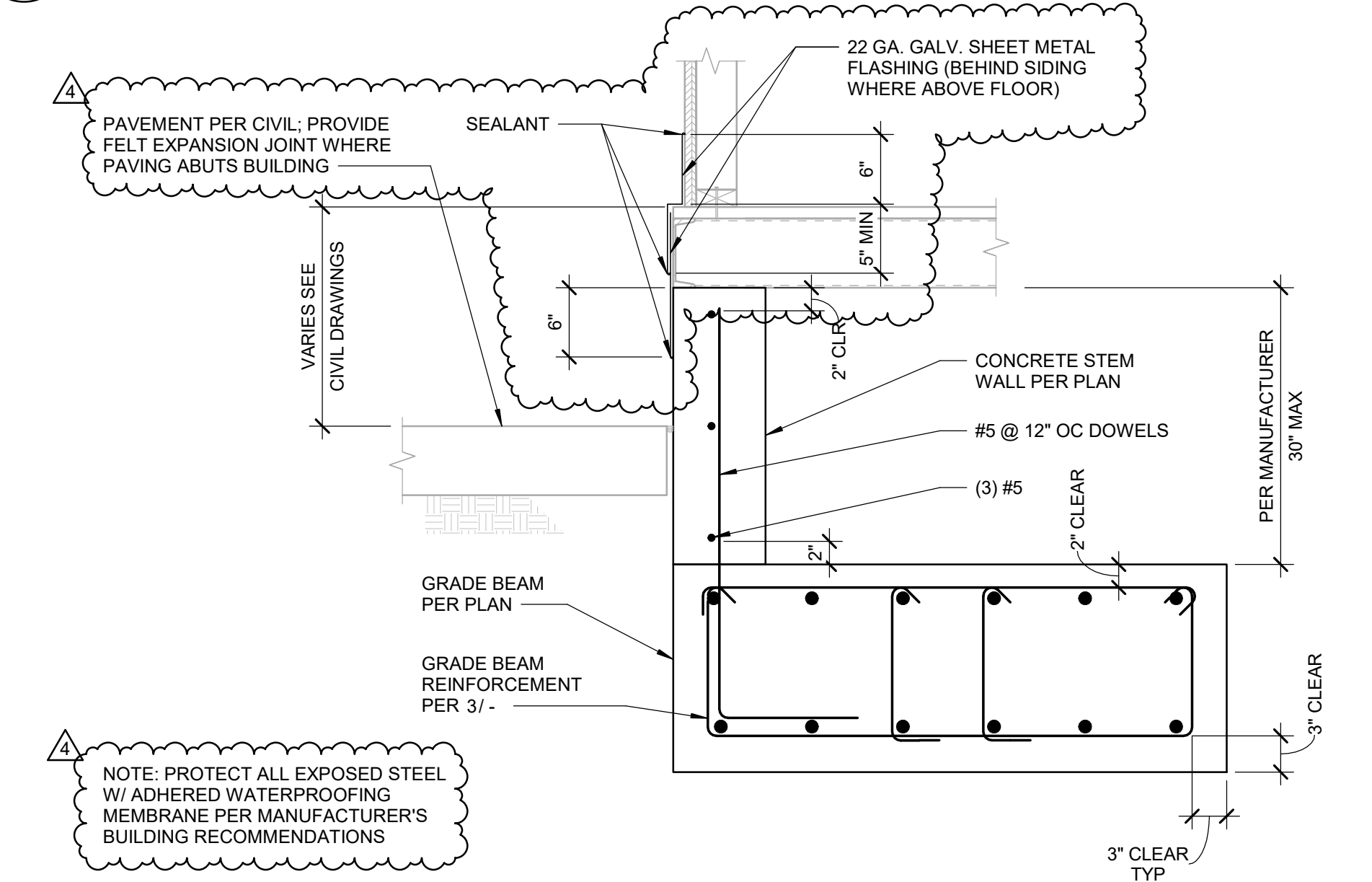
3 INTERIOR SECTION AT MODLINE
SCALE: 1" = 1'-0"



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



1 DETAIL
SCALE: 1" = 1'-0"

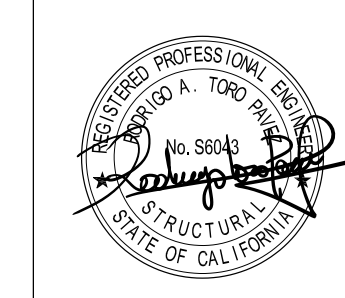


2 DETAIL
SCALE: 1" = 1'-0"

REV.	DESCRIPTION	CKD	APP	DATE
4	ADDENDUM NO. 3			6/15/26
3	PLAN CHECK 3			4/17/26
2	PLAN CHECK 2			2/17/26
1	PLAN CHECK 1			8/11/25

DRN. BY:	Author	DES. BY:	Designer	CKD. BY:	Checker
PRINCIPAL ENGINEER					DATE
CITY ENGINEER					DATE
SPEC. NUMBER	2025-010	PROJECT NO.	93710		
SEPTEMBER 7, 2025	SHEET 32 OF 151	DWG. NO.	S3.3		

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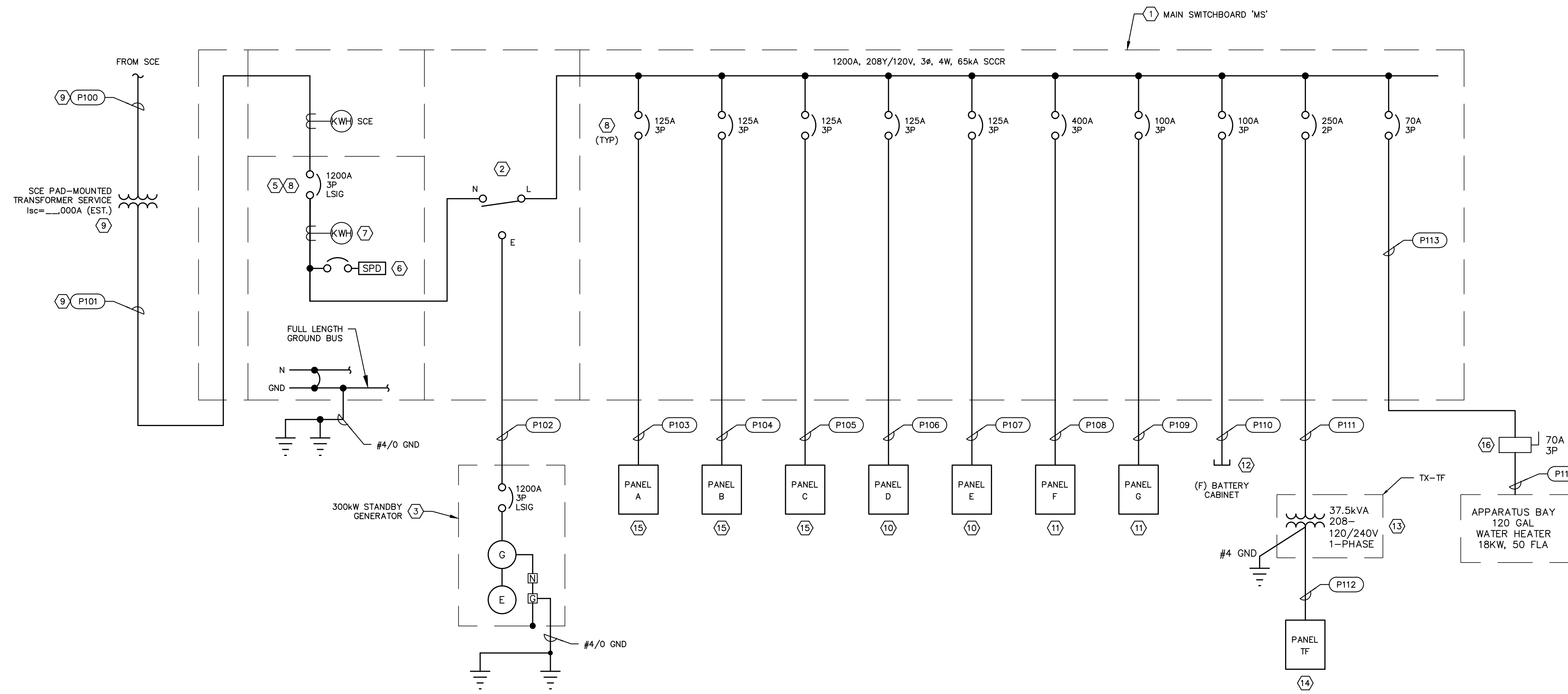


GENERAL NOTES:

- SEE ELECTRICAL SYMBOLS AND GENERAL NOTES ON SHEET 87.
- SEE CONDUIT AND CABLE SCHEDULE ON SHEET 100.
- ELECTRICAL EQUIPMENT DIMENSIONS ARE BASED ON PRELIMINARY LAYOUTS PROVIDED BY THE VENDORS. FINAL DIMENSIONS SHALL BE PROVIDED BY THE MANUFACTURERS VIA SHOP DRAWING SUBMITTALS AND CONFIRMED BY THE CONTRACTOR PRIOR TO INSTALLATION.
- SCE SCOPE OF WORK IS SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL CONFIRM ALL SCE WORK WITH SCE PLANNER/INSPECTOR, PLANS AND STANDARDS.

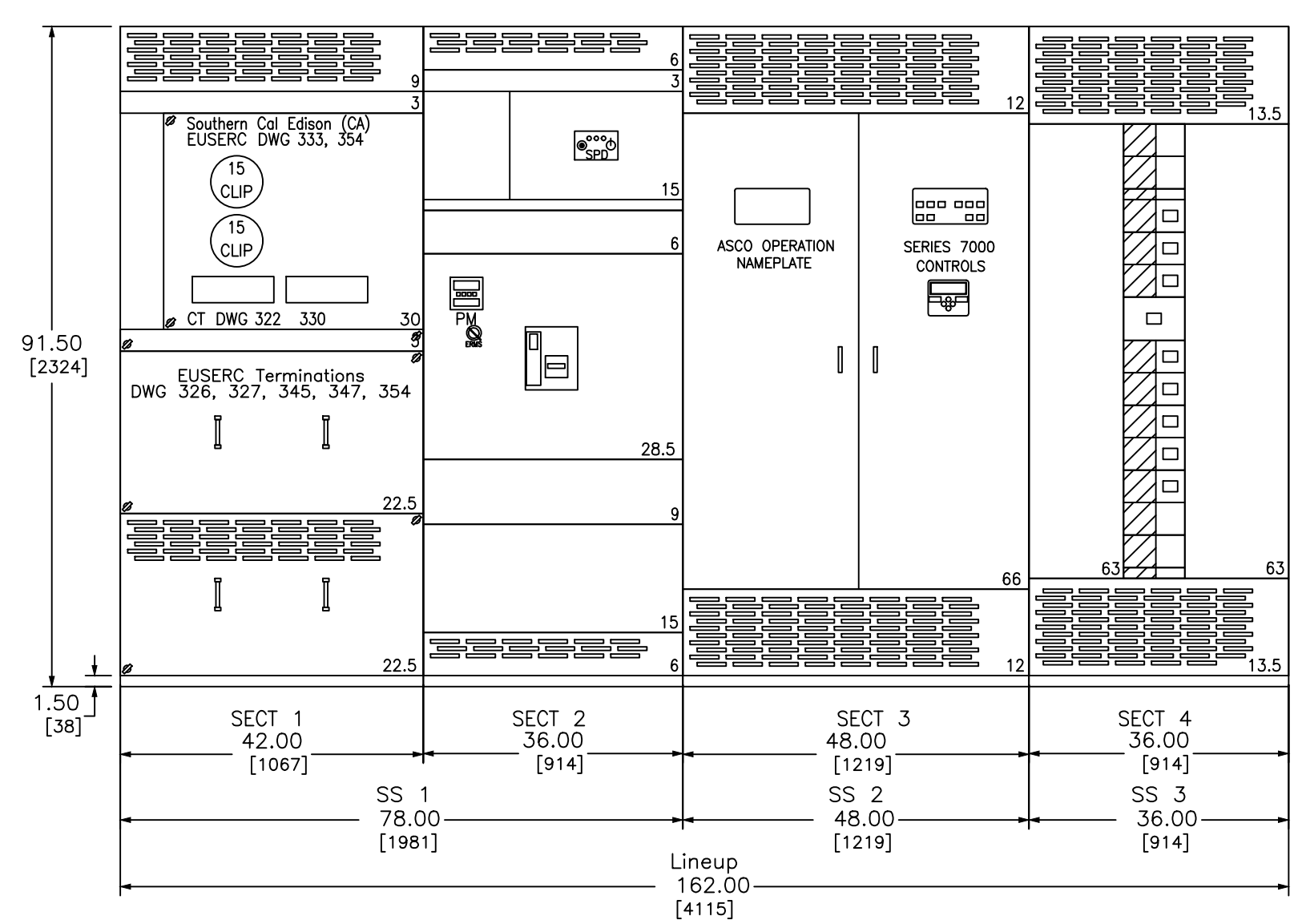
CONSTRUCTION NOTES:

- MAIN SWITCHBOARD 'MS', 1200A, 208Y/120V, 3-PHASE, 4-WIRE, COPPER BUSGING, RATED AT 65,000 SCCR IN NEMA 3R ENCLOSURE, MANUFACTURED BY SQUARE-D. MAIN SWITCHBOARD SHALL HAVE AN INTERNAL OPT FOR SPACE HEATERS (AS REQUIRED), LIGHTING, AND CONVENIENCE RECEPTACLE(S).
- AUTOMATIC DELAYED-TRANSITION TRANSFER SWITCH, 1200A, 208V, 4-POLE WITH SWITCHED NEUTRAL, 65KA WCR, INSTALLED IN MAIN SWITCHBOARD 'MS', ASCO 7000 SERIES. TRANSFER SWITCH SHALL HAVE PRE-TRANSFER RELAY SIGNAL.
- 300KW DIESEL STANDBY GENERATOR, CATERPILLAR C9, 208Y/120V, 3-PHASE, 4-WIRE WITH NEUTRAL BONDED AT GENERATOR, 60Hz, WITH 1200A, 3P, LSI, 100% RATED ILL LISTED MAIN AND SECONDARY/LOAD BANK CIRCUIT BREAKERS, AND DOUBLE-WALLED, SUB-BASE FUEL TANK SIZED TO OPERATE FOR 24 HOURS (MINIMUM) AT FULL LOAD. GENERATOR SHALL BE SIZED FOR CONNECTED LOAD (AS SHOWN) WITH A MAXIMUM VOLTAGE DIP OF 25%. GENERATOR SHALL BE HOUSED IN A WEATHERPROOF, SOUND-ATTENUATED (LEVEL 2) ENCLOSURE. THE ENCLOSURE SHALL MITIGATE SOUND TO A LEVEL OF 71dBA AT 23 FEET. ENCLOSURE COLOR SHALL BE PER CITY PREFERENCE. SUPPLIER SHALL PROVIDE SIZING STUDY RESULTS TO OWNER AND ENGINEER TO VERIFY THE GENERATOR TO BE SUPPLIED CAN START AND MAINTAIN THE AFOREMENTIONED LOADS. GENERATOR SHALL BE CATERPILLAR, NO SUBSTITUTIONS, OWNER FURNISHED, INSTALLED BY CONTRACTOR.
- SEE STRUCTURAL DRAWINGS FOR EQUIPMENT FOUNDATION DESIGN AND DETAILS.
- MAIN CIRCUIT BREAKER SHALL BE 1200A FRAME WITH 1200A TRIP, 208V, 3-POLE, 65KA INTERRUPTING CAPACITY, LSI ELECTRONIC TRIP UNIT WITH ARC-FLASH REDUCTION MAINTENANCE SWITCH (ARMS), FIXED MOUNTED, SQUARE D POWERPACT PG, OR APPROVED EQUAL.
- SURGE PROTECTIVE DEVICE (SPD) RATED AT 240kA, 208Y/120V, 3-PHASE, 4-WIRE, STANDARD WITH SURGE COUNTER AND CIRCUIT BREAKER OR FUSIBLE DISCONNECT, SQUARE-D, OR APPROVED EQUAL.
- POWER METER FOR POWER MONITORING AND ENERGY AND POWER MEASUREMENT. METER SHALL HAVE REMOTE (DOOR-MOUNTED) DISPLAY, BASIC INSTRUMENTATION, THD, ALARMING, DUAL ETHERNET PORTS, SQUARE-D/SCHNEIDER ELECTRIC PM5563, COMM EXPANSION CARD AND DISPLAY, OR APPROVED EQUAL.
- CIRCUIT BREAKERS SHALL BE RATED FOR MIN. 65,000 AIC AND HAVE PROVISIONS FOR LOCKOUT-TAGOUT.
- ALL SCE WORK SHALL BE COORDINATED WITH SCE. SERVICE REQUEST #4044496 PROJECT #3166536 PRODUCT #1D2489602 - NEW METER & SERVICE. SCE PROJECT MANAGER STEVEN WALL, PHONE #805-654-7118, STEVEN.WALL@SCE.COM
- PANELBOARD IS TO BE PROVIDED BY GLOBAL MODULAR INC. AS PART OF LIVING QUARTER OR CYM MODULAR BUILDING PACKAGE. SEE PANEL SCHEDULE ON GLOBAL MODULAR INC. DRAWINGS FOR DETAILS. CONTRACTOR SHALL PROVIDE FEEDER AND CONNECTION TO PANELBOARD, AS SHOWN AND PER PLANS.
- CONTRACTOR SHALL PROVIDE AND INSTALL PANELBOARD, SEE PANEL SCHEDULE ON SHEET 89 FOR RATINGS AND DETAILS. PANELBOARDS SHALL HAVE BOLT-ON BRANCH CIRCUIT BREAKERS, COPPER BUSGING, FULL NEUTRAL, NEMA 1 ENCLOSURE FOR INDOOR INSTALLATIONS AND NEMA 3R FOR OUTDOOR INSTALLATIONS, SQUARE-D, OR APPROVED EQUAL.
- STUB-UP, CAP, AND TAG SPARE CONDUIT FOR FUTURE BATTERY CABINET. SEE PLANS FOR LOCATION AND DETAILS.
- LOW-VOLTAGE TRANSFORMER, DRY-TYPE, 37.5kVA, 208V PRIMARY TO 120/240V SECONDARY, SINGLE-PHASE, 60Hz, ENERGY-EFFICIENT, COPPER WINDINGS, NEMA 3R OUTDOOR-RATED ENCLOSURE, SQUARE-D, OR APPROVED EQUAL.
- (E) FIRE TRAINING FACILITIES TEMPORARY SERVICE PANEL SHALL BE DEMOLISHED AS PART OF THIS SCOPE AND IN CONJUNCTION WITH SCE TEMPORARY SERVICE REMOVAL DEMOLITION SHALL BE COORDINATED WITH SCE AND THE CITY. CONTRACTOR SHALL PROVIDE AND INSTALL (N) PANELBOARD 'TF' TO REPLACE (E) TEMPORARY SERVICE PANEL LOAD CENTER SECTION "IN KIND". SEE PANEL SCHEDULE ON SHEET 89 FOR RATINGS AND BRANCH CIRCUIT DETAILS. ALL LOAD CONNECTIONS TO (N) PANEL 'TF' SHALL BE COORDINATED WITH THE CITY AND ARE NOT PART OF THIS ENGINEERING SCOPE.
- CONTRACTOR SHALL ENSURE BONDING JUMPERS ARE NOT INSTALLED BETWEEN THE NEUTRAL AND GROUND INSIDE THE PANEL BOARDS (DISTRIBUTION PANELS) EXCEPT FOR THE PANEL BOARD THAT IS FED FROM A SEPARATELY DERIVED SYSTEM.
- 70A, 240VAC, 3-POLE, 3-WIRE, NON-FUSIBLE, NEMA 1, HEAVY DUTY SAFETY SWITCH, SQUARE-D, EATON, OR APPROVED EQUAL.



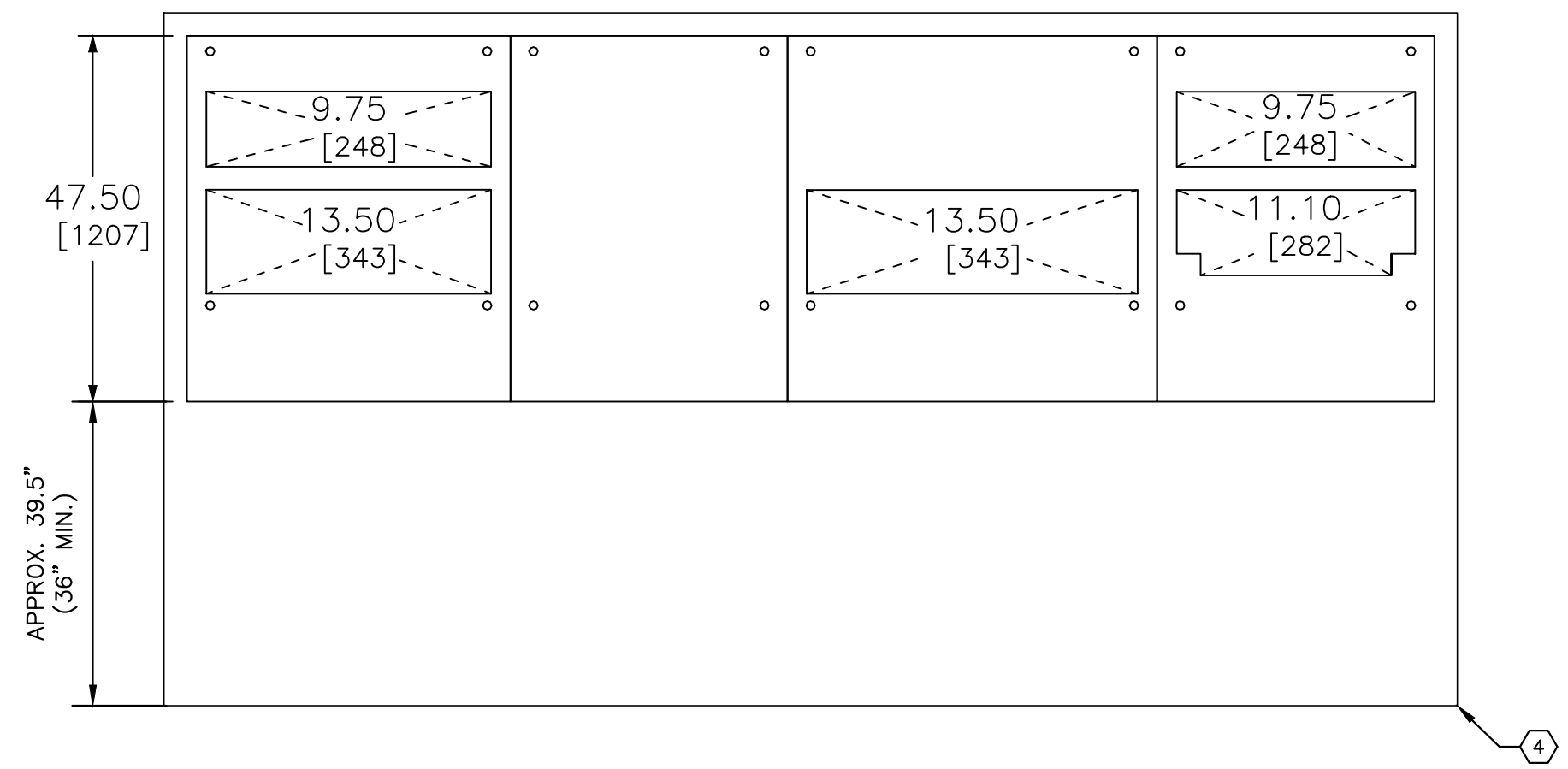
SINGLE LINE DIAGRAM

SCALE: NO SCALE



EQUIPMENT ELEVATIONS & FLOOR PLAN - MAIN SWITCHBOARD 'MS'

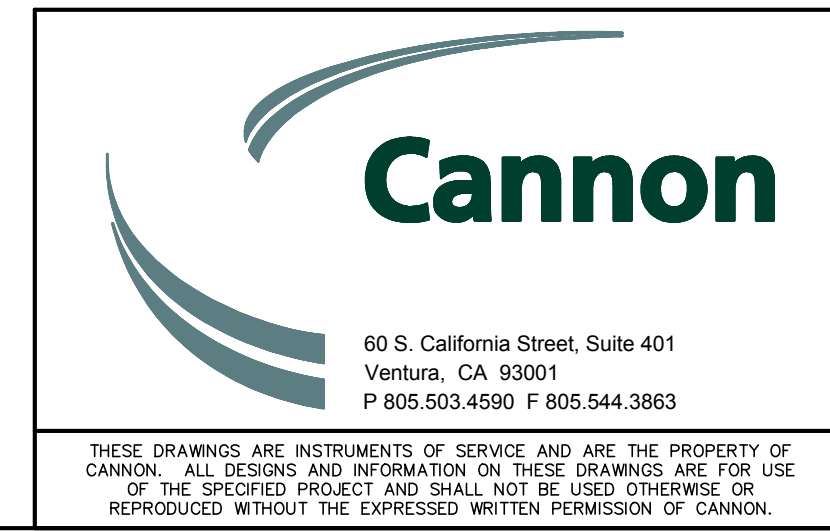
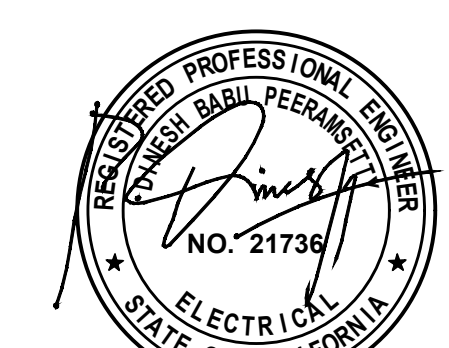
SCALE: NO SCALE



LOAD SCHEDULE @ 208Y/120V, 3PH, 4W		
PANEL A	29.2 kVA	81.0 A
PANEL B	12.5 kVA	34.6 A
PANEL C	20.8 kVA	57.8 A
PANEL D	25.0 kVA	69.3 A
PANEL E	26.1 kVA	72.5 A
PANEL F	128.8 kVA	357.5 A
PANEL G	20.6 kVA	57.2 A
(F) BATTERY CABINET	28.8 kVA	80.0 A
TRAIN. FACIL. TX-TF (37.5kVA, 1PH)	28.8 kVA	80.0 A
120 GAL WATER HEATER (APPARATUS BAY)	18.0 kVA	50.0 A
TOTAL	347.3 kVA	1040.2 A

REV.	DESCRIPTION	CKD	APP	DATE
3	ISSUED FOR BID ADDENDUM 03	DP/DR	-	08/08/25
2	ISSUED FOR BID	DP/DR	-	04/07/25
1	ISSUED FOR REVIEW	DP/DR	-	12/19/25
0	ISSUED FOR BID	AM/DR	-	06/11/25

PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION			
CITY OF SAN BUENAVENTURA			
FIRE STATION NO. 7			
SINGLE LINE DIAGRAM			
DRN. BY: AM	DES. BY: AM	CK'D. BY: AM/DR	
PRINCIPAL ENGINEER		DATE	
CITY ENGINEER		DATE	
SPEC. NUMBER 2025-010	PROJECT NUMBER FA11-1061		
June 11, 2025	SHEET 97 OF 151	DWG. NO. 2025-D-101	



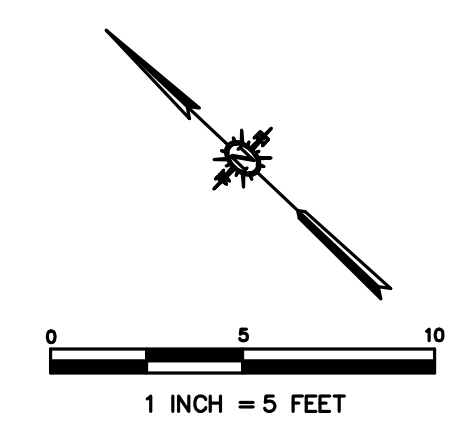
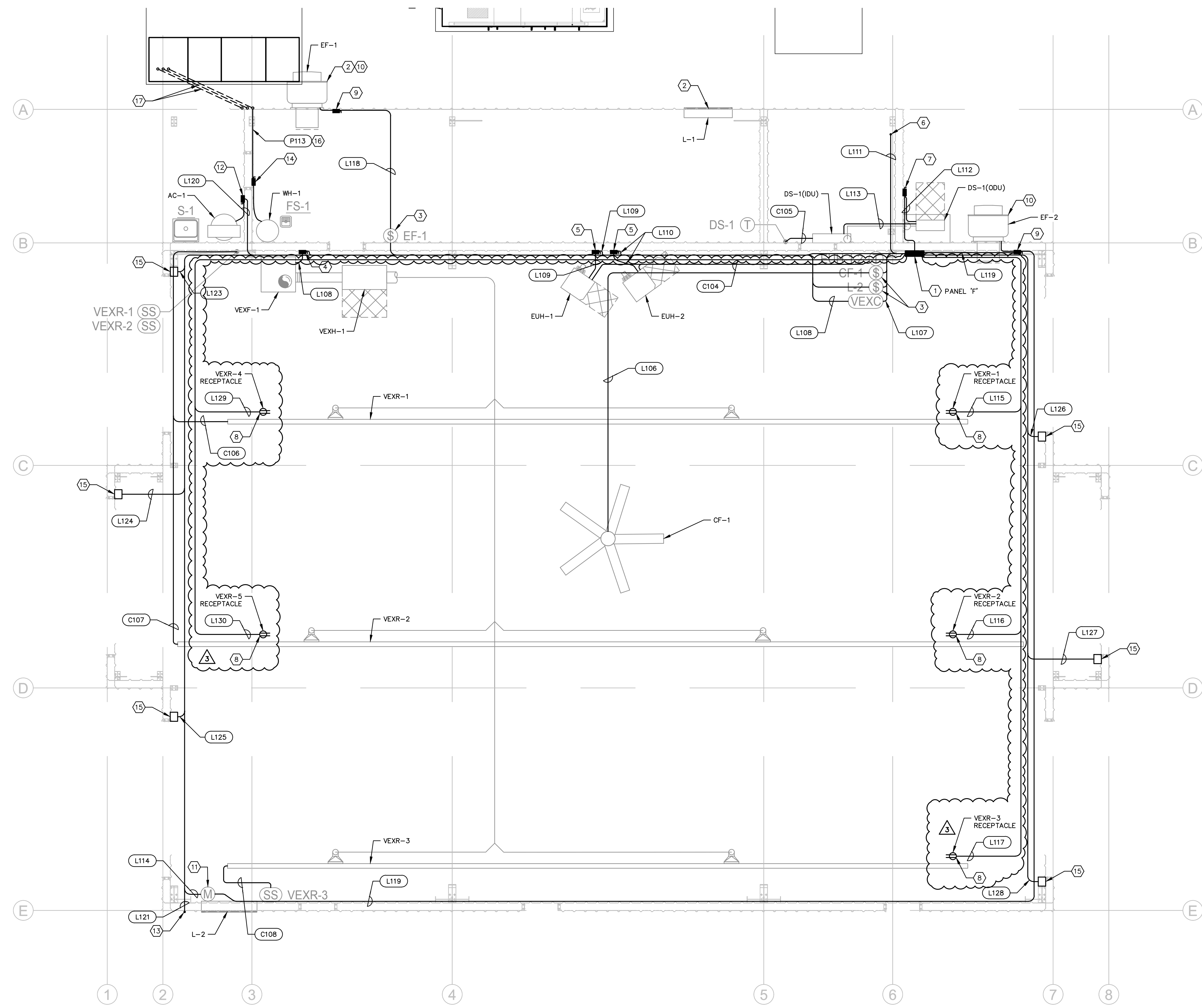
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GENERAL NOTES:

- SEE ELECTRICAL SYMBOLS AND GENERAL NOTES ON SHEET 87.
- SEE CONDUIT AND CABLE SCHEDULE ON SHEET 100.
- SEE MECHANICAL AND PLUMBING PLANS FOR EQUIPMENT DETAILS.

CONSTRUCTION NOTES:

- SEE SINGLE LINE DIAGRAM ON SHEET 88 FOR EQUIPMENT DETAILS.
- GENERATOR SHALL MAINTAIN A MINIMUM 10' CLEARANCE FROM THE INTAKE LOUVER AND EXHAUST FAN.
- 15A, 120VAC, SINGLE-POLE TOGGLE SWITCH, HORSEPOWER RATED, INDUSTRIAL GRADE, EXTRA HEAVY DUTY.
- 30A, 240VAC, 3-POLE, 3-WIRE, NON-FUSIBLE, NEMA 1, HEAVY DUTY SAFETY SWITCH, SQUARE-D, EATON, OR APPROVED EQUAL.
- 60A, 240VAC, 3-POLE, 3-WIRE, NON-FUSIBLE, NEMA 1, HEAVY DUTY SAFETY SWITCH, SQUARE-D, EATON, OR APPROVED EQUAL.
- STUB, CAP AND TAG CONDUIT FOR (F) SCBA FILL STATION. FIELD VERIFY EXACT LOCATION OF CONDUIT STUB-OUT WITH THE CITY.
- 30A, 240VAC, 2-POLE, 2-WIRE, NON-FUSIBLE, NEMA 3R, HEAVY DUTY SAFETY SWITCH, SQUARE-D, EATON, OR APPROVED EQUAL.
- CONTRACTOR SHALL PROVIDE AND INSTALL 50A, 120VAC, NEMA 5-50R RECEPTACLE WITH WEATHERPROOF BOX WITH COVER, INDUSTRIAL GRADE, EXTRA HEAVY DUTY. RECEPTACLE ON LAST RAIL UPRIGHT CLOSEST TO THE ENTRY SIDE OF THE APPARATUS BAY PER RAIL, MAX 48" ABOVE THE RAIL. SEE MECHANICAL PLANS AND INSTALLATION DETAILS. COORDINATE EXACT LOCATION WITH VEHICLE EXHAUST SYSTEM (VEX SYSTEM) CONTRACTOR.
- 30A, 120VAC, 1-POLE, 2-WIRE WITH FACTORY INSTALLED NEUTRAL, NON-FUSIBLE, NEMA 1, HEAVY DUTY SAFETY SWITCH, SQUARE-D, EATON, OR APPROVED EQUAL.
- EXHAUST FAN SHALL HAVE INTERNAL THERMAL/OVERLOAD PROTECTION, PER MECHANICAL PLANS.
- SEE MECHANICAL PLANS FOR FAN INTERLOCK WITH DAMPER CONTROL DETAIL WIRING DIAGRAM.
- 60A, 240VAC, 2-POLE, 2-WIRE, NON-FUSIBLE, NEMA 3R, HEAVY DUTY SAFETY SWITCH, SQUARE-D, EATON, OR APPROVED EQUAL.
- STUB, CAP AND TAG CONDUIT FOR (F) DETOX SAUNA. FIELD VERIFY EXACT LOCATION OF CONDUIT STUB-OUT WITH THE CITY.
- 70A, 240VAC, 3-POLE, 3-WIRE, NON-FUSIBLE, NEMA 1, HEAVY DUTY SAFETY SWITCH, SQUARE-D, EATON, OR APPROVED EQUAL.
- APPARATUS BAY ROLL-UP GARAGE DOOR ELECTRIC OPERATOR. COORDINATE EXACT LOCATION WITH CLEARSPAN PRIOR TO CONDUIT AND WIRE INSTALLATION.
- CONDUIT SHALL BE ROUTED UNDERGROUND AND STUBUP TO THE EDGE OF THE BUILDING WALL. ROUTE VERTICALLY ALONG THE WALL, PENETRATE INTO THE BUILDING AND ROUTED ALONG THE WALL TO THE WATER HEATER. CONDUIT SHALL BE SUPPORTED PER NEC ARTICLE 344.30.
- (2) - 2" - SPARE CONDUITS ROUTED FROM THE SWITCHBOARD DISTRIBUTION SECTION TO STUBUP TO THE EDGE OF THE BUILDING WALL AND CAP OFF 6" ABOVE GROUND FOR FUTURE USE.



REV.	DESCRIPTION	CKD	APP	DATE
3	ISSUED FOR BID ADDENDUM 03	DP/DR	-	26/08/25
2	ISSUED FOR BID	DP/DR	-	24/07/25
1	ISSUED FOR REVIEW	DP/DR	-	12/19/25
0	ISSUED FOR BID	AM/DR	-	05/11/25

PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION			
CITY OF SAN BUENAVENTURA			
FIRE STATION NO. 7			
APPARATUS BAY ELECTRICAL PLAN			
DRN. BY:	AM	DES. BY:	AM
CK'D. BY:	AM/DR		
PRINCIPAL ENGINEER		DATE	
CITY ENGINEER		DATE	
SPEC. NUMBER	2025-010	PROJECT NUMBER	FA11-1061
June 11, 2025	SHEET 106 OF 151	DWG. NO. 2025-D-010	



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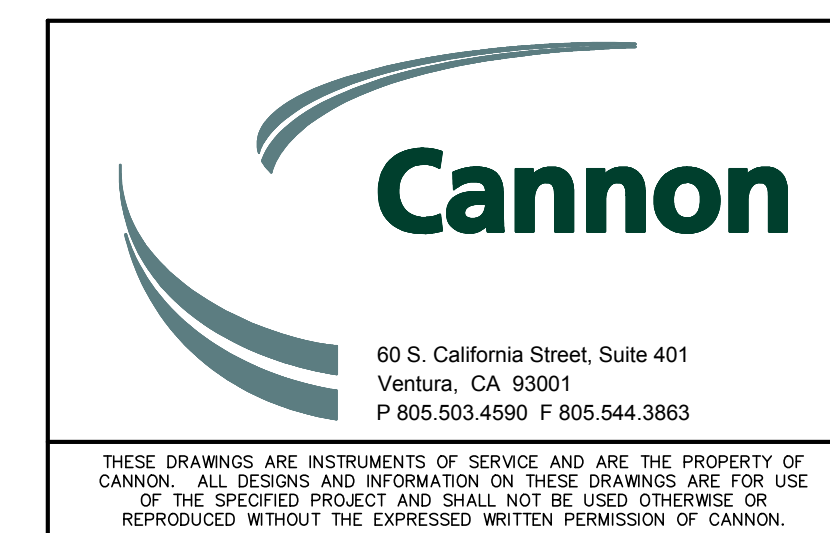
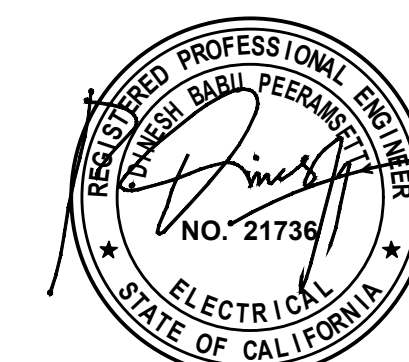
CONDUIT & CABLE SCHEDULE

CONDUIT			CONDUIT FILL		COMMENTS	
No.	Qty.	Size (In)	FROM	TO		
P-100	1	4	3/8" NYLON PULL CORD	SCE FACILITIES (SEE SCE PLANS FOR DETAILS)	SCE PAD-MOUNTED TRANSFORMER	CONDUIT QTY. & SIZE PER SCE PLANS, SEE SCE PLANS FOR DETAILS (SERVICE REQUEST #4044496 PROJECT #3166536)
P-101	4	4	3/8" NYLON PULL CORD	SCE PAD-MOUNTED TRANSFORMER	MAIN SWITCHBOARD 'MS' (PULL SECTION)	CONDUIT QTY. & SIZE PER SCE PLANS, SEE SCE PLANS FOR DETAILS (SERVICE REQUEST #4044496 PROJECT #3166536)
P-102	4	3	4#350kcmil, 1#4/0 GND	GENERATOR	MAIN SWITCHBOARD 'MS' (ATS)	
P-103	1	1-1/2	4#1, 1#6 GND	MAIN SWITCHBOARD 'MS' (DISTRIBUTION SECTION)	PANEL 'A'	
P-104	1	1-1/2	4#1, 1#6 GND	MAIN SWITCHBOARD 'MS' (DISTRIBUTION SECTION)	PANEL 'B'	
P-105	1	1-1/2	4#1, 1#6 GND	MAIN SWITCHBOARD 'MS' (DISTRIBUTION SECTION)	PANEL 'C'	
P-106	1	1-1/2	4#1, 1#6 GND	MAIN SWITCHBOARD 'MS' (DISTRIBUTION SECTION)	PANEL 'D'	
P-107	1	2	4#1/0, 1#4 GND	MAIN SWITCHBOARD 'MS' (DISTRIBUTION SECTION)	PANEL 'E'	
P-108	2	2	4#3/0, 1#2 GND	MAIN SWITCHBOARD 'MS' (DISTRIBUTION SECTION)	PANEL 'F'	
P-109	1	1-1/2	4#2, 1#8 GND	MAIN SWITCHBOARD 'MS' (DISTRIBUTION SECTION)	PANEL 'G'	
P-110	1	2	3/8" NYLON PULL CORD	MAIN SWITCHBOARD 'MS' (DISTRIBUTION SECTION)	(F) BATTERY CABINET	STUB-UP, CAP, AND TAG CONDUIT, AS SHOWN ON PLANS
P-111	1	2	2#300kcmil, 1#4 GND	MAIN SWITCHBOARD 'MS' (DISTRIBUTION SECTION)	TRANSFORMER 'TX-TF'	
P-112	1	2	3#3/0, 1#4 GND	TRANSFORMER 'TX-TF'	PANEL 'TF'	
P-113	1	2	3#4, 1#6 GND	MAIN SWITCHBOARD 'MS' (DISTRIBUTION SECTION)	120 GAL WATER HEATER (APPARATUS BAY)	ROUTE CONDUIT/WIRE THROUGH DISCONNECT SWITCH, AS SHOWN ON PLANS; SEE MECH. PLANS FOR EQUIPMENT DETAILS
L-100	1	1	3#10, 1#10 GND	PANEL 'F'	GENERATOR	GENERATOR AUXILIARY POWER
L-101	1	1	2#10, 1#10 GND	PANEL 'G'	LIGHT POLES	SEE CITY PLANS FOR LIGHT POLE INFORMATION
L-102	1	1	2#10, 1#10 GND	PANEL 'G'	ACCESS GATE MOTOR/CONTROLLER	
L-103	1	1	4#10, 1#10 GND	PANEL 'G'	PRESSURE WASHER RECEPT. & OUTDOOR TRUCK WASH	
L-104	1	1	3/8" NYLON PULL CORD	PANEL 'G'	(F) LEVEL 2, DUAL-PORT, POWER SHARE EV CHARGER	TERMINATE CONDUIT AT PULL BOX FOR (F) EV CHARGER, AS SHOWN ON PLANS
L-105	1	1	3/8" NYLON PULL CORD	PANEL 'G'	(F) LEVEL 2, DUAL-PORT, POWER SHARE EV CHARGER	TERMINATE CONDUIT AT PULL BOX FOR (F) EV CHARGER, AS SHOWN ON PLANS
L-106	1	1	2#12, 1#12 GND	PANEL 'F'	CIRCULATION FAN 'CF-1'	ROUTE CONDUIT/WIRE THROUGH SINGLE POLE SWITCH, AS SHOWN ON PLANS; SEE MECH. PLANS FOR EQUIPMENT DETAILS
L-107	1	1	3#10, 1#10 GND	PANEL 'F'	VEHICLE EXHAUST FAN CONTROL PANEL 'VEXC-1'	SEE MECHANICAL PLANS FOR VEHICLE EXHAUST SYSTEM DETAILS; COORDINATE WITH VEX CONTRACTOR
L-108	1	1	3#10, 1#10 GND	VEHICLE EXHAUST FAN CONTROL PANEL 'VEXC-1'	VEHICLE EXHAUST FAN 'VEXF-1'	ROUTE CONDUIT/WIRE THROUGH DISCONNECT SWITCH, AS SHOWN ON PLANS; COORDINATE WITH VEX CONTRACTOR
L-109	1	1	3#8, 1#10 GND	PANEL 'F'	ELECTRIC UNIT HEATER 'EUH-1'	ROUTE CONDUIT/WIRE THROUGH DISCONNECT SWITCH, AS SHOWN ON PLANS; SEE MECH. PLANS FOR EQUIPMENT DETAILS
L-110	1	1	3#8, 1#10 GND	PANEL 'F'	ELECTRIC UNIT HEATER 'EUH-2'	ROUTE CONDUIT/WIRE THROUGH DISCONNECT SWITCH, AS SHOWN ON PLANS; SEE MECH. PLANS FOR EQUIPMENT DETAILS
L-111	1	1-1/2	3/8" NYLON PULL CORD	PANEL 'F'	(F) SCBA FILL STATION	STUB, CAP AND TAG CONDUIT, AS SHOWN ON PLANS; COORDINATE EXACT STUB-OUT LOCATION W/ THE CITY
L-112	1	1	2#12, 1#12 GND	PANEL 'F'	SPLIT SYSTEM HEAT PUMP 'DS-1' (ODU)	ROUTE CONDUIT/WIRE THROUGH DISCONNECT SWITCH, AS SHOWN ON PLANS; SEE MECH. PLANS FOR EQUIPMENT DETAILS
L-113	1	1	2#12, 1#12 GND	SPLIT SYSTEM HEAT PUMP 'DS-1' (ODU)	SPLIT SYSTEM HEAT PUMP 'DS-1' (IDU)	SEE MECH. PLANS FOR EQUIPMENT DETAILS
L-114	1	1	2#12, 1#12 GND	PANEL 'F'	LOUVER 'L-2' ACTUATOR	ROUTE CONDUIT/WIRE THROUGH SINGLE POLE SWITCH, AS SHOWN ON PLANS; SEE MECH. PLANS FOR EQUIPMENT DETAILS
L-115	1	1	2#6, 1#10 GND	PANEL 'F'	'VEXR-1' RECEPTACLE	SEE MECH. PLANS FOR EQUIPMENT AND RECEPTACLE INSTALLATION DETAILS
L-116	1	1	2#6, 1#10 GND	PANEL 'F'	'VEXR-2' RECEPTACLE	SEE MECH. PLANS FOR EQUIPMENT AND RECEPTACLE INSTALLATION DETAILS
L-117	1	1	2#6, 1#10 GND	PANEL 'F'	'VEXR-3' RECEPTACLE	SEE MECH. PLANS FOR EQUIPMENT AND RECEPTACLE INSTALLATION DETAILS
L-118	1	1	2#10, 1#10 GND	PANEL 'F'	EXHAUST FAN 'EF-1'	ROUTE CONDUIT/WIRE THROUGH SINGLE POLE SWITCH AND DISCONNECT SWITCH, AS SHOWN ON PLANS; SEE MECH. PLANS FOR EQUIPMENT DETAILS
L-119	1	1	2#6, 1#6 GND	PANEL 'F'	EXHAUST FAN 'EF-2'	ROUTE CONDUIT/WIRE THROUGH DISCONNECT SWITCH AND LOUVER DAMPER INTERLOCK, AS SHOWN ON PLANS; SEE MECH. PLANS FOR EQUIPMENT DETAILS
L-120	1	1	2#8, 1#10 GND	PANEL 'F'	AIR COMPRESSOR 'AC-1'	ROUTE CONDUIT/WIRE THROUGH DISCONNECT SWITCH, AS SHOWN ON PLANS; SEE MECH. PLANS FOR EQUIPMENT DETAILS
L-121	1	1-1/2	3/8" NYLON PULL CORD	PANEL 'F'	(F) DETOX SAUNA	STUB, CAP AND TAG CONDUIT, AS SHOWN ON PLANS; COORDINATE EXACT STUB-OUT LOCATION W/ THE CITY
L-122						
L-123	1	1	3#12, 1#12 GND	PANEL 'F'	APP. BAY ROLL-UP GARAGE DOOR OPERATOR #1	COORDINATE EXACT LOCATION WITH CLEARSPAN PRIOR TO CONDUIT AND WIRE INSTALLATION
L-124	1	1	3#12, 1#12 GND	PANEL 'F'	APP. BAY ROLL-UP GARAGE DOOR OPERATOR #2	COORDINATE EXACT LOCATION WITH CLEARSPAN PRIOR TO CONDUIT AND WIRE INSTALLATION
L-125	1	1	3#12, 1#12 GND	PANEL 'F'	APP. BAY ROLL-UP GARAGE DOOR OPERATOR #3	COORDINATE EXACT LOCATION WITH CLEARSPAN PRIOR TO CONDUIT AND WIRE INSTALLATION
L-126	1	1	3#12, 1#12 GND	PANEL 'F'	APP. BAY ROLL-UP GARAGE DOOR OPERATOR #4	COORDINATE EXACT LOCATION WITH CLEARSPAN PRIOR TO CONDUIT AND WIRE INSTALLATION
L-127	1	1	3#12, 1#12 GND	PANEL 'F'	APP. BAY ROLL-UP GARAGE DOOR OPERATOR #5	COORDINATE EXACT LOCATION WITH CLEARSPAN PRIOR TO CONDUIT AND WIRE INSTALLATION
L-128	1	1	3#12, 1#12 GND	PANEL 'F'	APP. BAY ROLL-UP GARAGE DOOR OPERATOR #6	COORDINATE EXACT LOCATION WITH CLEARSPAN PRIOR TO CONDUIT AND WIRE INSTALLATION
L-129	1	1	2#4, 1#10 GND	PANEL 'F'	'VEXR-4' RECEPTACLE	SEE MECH. PLANS FOR EQUIPMENT AND RECEPTACLE INSTALLATION DETAILS
L-130	1	1	2#4, 1#10 GND	PANEL 'F'	'VEXR-5' RECEPTACLE	SEE MECH. PLANS FOR EQUIPMENT AND RECEPTACLE INSTALLATION DETAILS
C-100	1	1	4#14	MAIN SWITCHBOARD 'MS' (ATS)	GENERATOR	GENERATOR START/STOP CONTROL FROM ATS
C-101	1	1	2#14	GENERATOR REMOTE E-STOP BUTTON	GENERATOR	GENERATOR REMOTE EMERGENCY STOP
C-102	1	1	2#14	GENERATOR	GENERATOR REMOTE ANNUNCIATOR PANEL	GENERATOR BATTERY VOLTAGE TO REMOTE ANNUNCIATOR PANEL
C-103	1	1	MANUFACTURER SPECIFIED CABLE	FIRE STATION ALERT SYSTEM (LIVING QUARTERS)	FRONT ACCESS GATE PUSH BUTTON/DOORBELL	CONTRACTOR SHALL COORDINATE WIRE/CABLE WITH FIRE SYSTEM INTEGRATOR/CONTRACTOR; FIELD VERIFY EXACT CONDUIT STUB-UP LOCATIONS
C-104	1	1	MANUFACTURER SPECIFIED CABLES	'EUH-1,2' THERMOSTAT	ELECTRIC UNIT HEATERS 'EUH-1' & 'EUH-2'	CONTRACTOR SHALL COORDINATE WIRE/CABLE WITH HVAC CONTRACTOR AND PER EQUIPMENT MANUFACTURER RECOMMENDATION
C-105	1	1	MANUFACTURER SPECIFIED CABLE	SPLIT SYSTEM HEAT PUMP 'DS-1' CONTROLLER	SPLIT SYSTEM HEAT PUMP 'DS-1' (IDU)	CONTRACTOR SHALL COORDINATE WIRE/CABLE WITH HVAC CONTRACTOR AND PER EQUIPMENT MANUFACTURER RECOMMENDATION
C-106	1	1	MANUFACTURER SPECIFIED CABLE	'VEXR-1' SAFETY SHUT OFF BUTTON	'VEXR-1' CRAB RETURN SYSTEM CONTROL BOX	CONTRACTOR SHALL COORDINATE WIRE/CABLE WITH VEX CONTRACTOR; SEE MECH. PLANS FOR EQUIPMENT AND INSTALLATION DETAILS
C-107	1	1	MANUFACTURER SPECIFIED CABLE	'VEXR-2' SAFETY SHUT OFF BUTTON	'VEXR-2' CRAB RETURN SYSTEM CONTROL BOX	CONTRACTOR SHALL COORDINATE WIRE/CABLE WITH VEX CONTRACTOR; SEE MECH. PLANS FOR EQUIPMENT AND INSTALLATION DETAILS
C-108	1	1	MANUFACTURER SPECIFIED CABLE	'VEXR-3' SAFETY SHUT OFF BUTTON	'VEXR-3' CRAB RETURN SYSTEM CONTROL BOX	CONTRACTOR SHALL COORDINATE WIRE/CABLE WITH VEX CONTRACTOR; SEE MECH. PLANS FOR EQUIPMENT AND INSTALLATION DETAILS
S-100	1	1	3/C#18 TSP (SEE COMMENTS)	GENERATOR	GENERATOR REMOTE ANNUNCIATOR PANEL	MANUFACTURER RECOMMENDED CABLE: OLFLEX TRAY II CY, 3/C#18 CABLE, PART NO. 2218030

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2	ISSUED FOR BID	DP/DR	-	04/07/26
1	ISSUED FOR REVIEW	DP/DR	-	12/19/25
0	ISSUED FOR BID	AM/DR	-	06/11/25
REV.	DESCRIPTION	CKD	APP	DATE
PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION CITY OF SAN BUENAVENTURA				
FIRE STATION NO. 7 CONDUIT & CABLE SCHEDULE				
DRN. BY:	AM	DES. BY:	AM	CK'D. BY: AM/DR
PRINCIPAL ENGINEER		DATE		
CITY ENGINEER		DATE		
SPEC. NUMBER	2025-010	PROJECT NUMBER	FA11-1061	
June 11, 2025	SHEET 109 OF 151	DWG. NO. 2025-D-010		



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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.

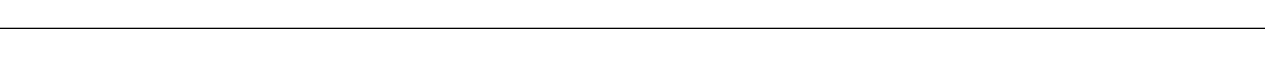
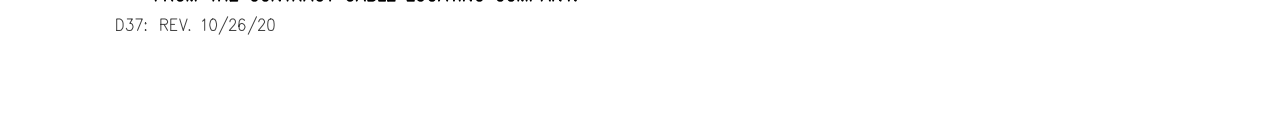
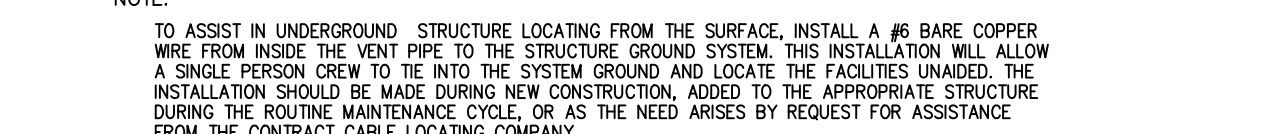
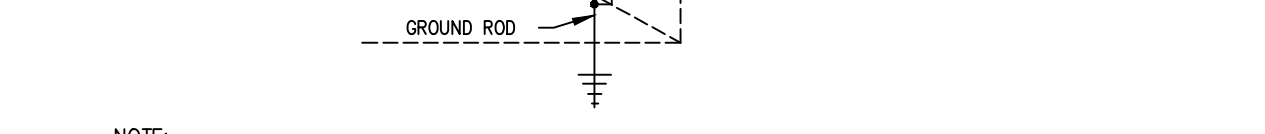
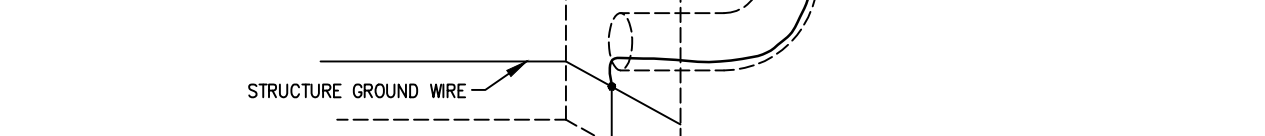
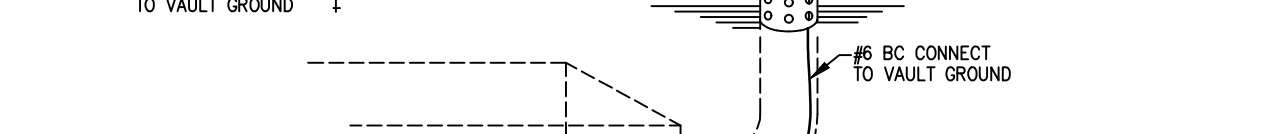
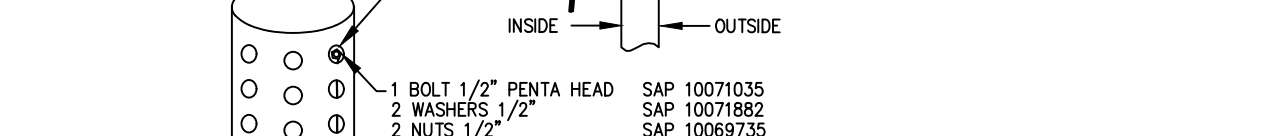
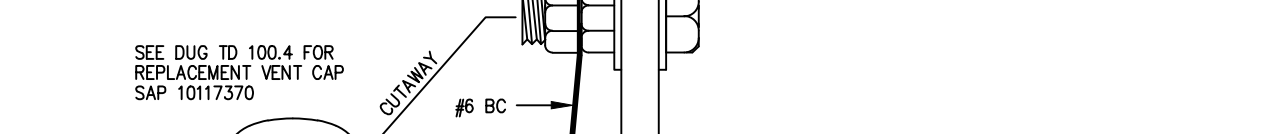
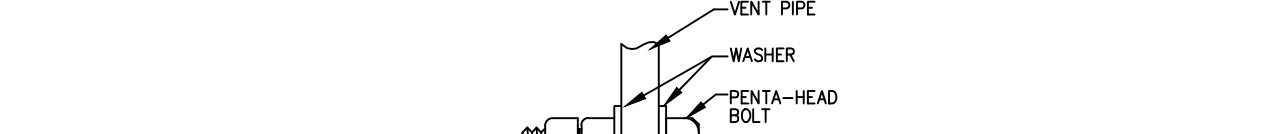
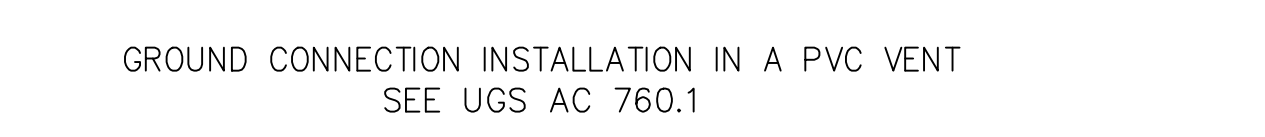
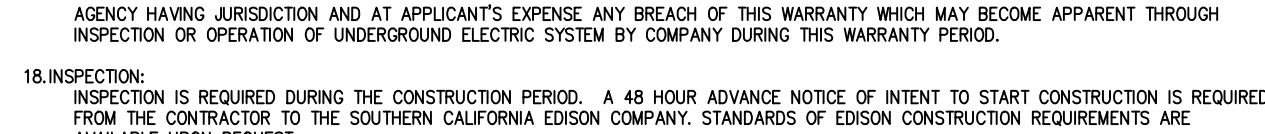
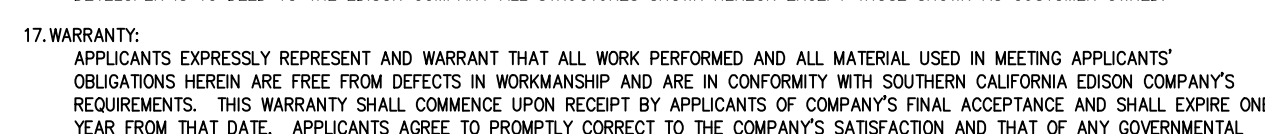
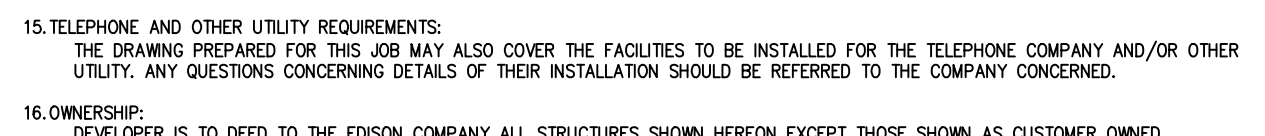
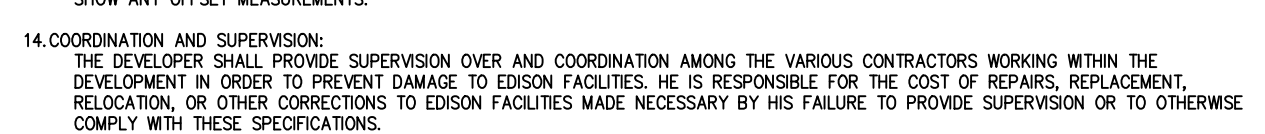
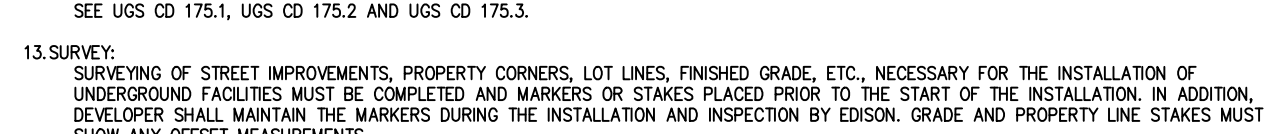
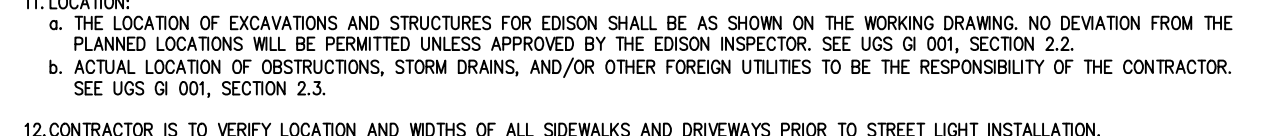
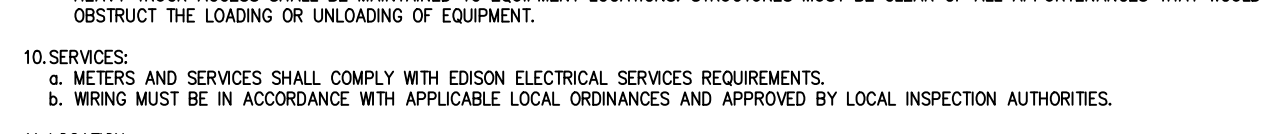
SOUTHERN CALIFORNIA EDISON COMPANY HAS ATTEMPTED TO CORRECTLY SHOW ALL EXISTING UTILITIES AND SUBSTRUCTURES IN THE VICINITY OF THE WORK, BUT DOES NOT GUARANTEE THESE ARE ALL OTHER SUBSTRUCTURES IN THE AREA. FAILURE OF SEE TO SHOW ALL SUBSTRUCTURES IN THEIR CORRECT LOCATION WILL NOT BE A BASIS FOR A CLAIM FOR EXTRA WORK, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO SUBSTRUCTURES WHETHER SHOWN OR NOT.

- FOR GENERAL SPECIFICATIONS SEE UGS G 001.
- CONDUIT:
 - MINIMUM COVER IN STREET OR PARKWAY IS 30" BELOW OUTER 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 1001, 110 AND 120.
 - FOR THE TYPE OF CONDUIT FOR THIS USE, SEE UGS CD 101.1.
 - INSTALL ALL RISERS PER UGS CD 160, 161, 162 AND 170.
 - CAP ALL MANLINE CONDUITS PER UGS CD 145 AND SERVICE CONDUITS PER UGS CD 150.
 - INSTALL BLANK CONDUIT PLUGS IN ALL CONDUITS TERMINATING INTO VAULTS, MANHOLES, P.M.H.'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 G 040.
 - ALL CONDUIT MUST BE MANNELED WITH THE APPROVED MANDEL UGS CD 197.
- 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 MANLINE CONDUITS IS 12"-6" (UNLESS NOTED OTHERWISE).
- 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 COVERING 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 G 030, SECTION 6.4 AND AROUND P.M.H.'S WITHIN ONE FOOT OF FINISHED GRADE, PER UGS SS 592.1.
 - 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 ENCASUREMENT. 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 1/2" 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.
- PAVING:
 - REPAVING, 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.
- STRUCTURES:
 - ALL SUBSTRUCTURES SHALL BE CONSTRUCTED OR INSTALLED TO EDISON SPECIFICATIONS.
 - INSTALL PROTECTION BARRIERS PER UGS M5 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.
- 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 SECTION REQUIREMENTS.
- PERMITS:
 - ALL PERMITS NECESSARY FOR EXCAVATION SHALL BE PROVIDED BY THE CONTRACTOR/DEVELOPER.
- 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.
- SPRINGS:
 - METERS AND SERVICES SHALL COMPLY WITH EDISON ELECTRICAL SERVICES REQUIREMENTS.
 - WRINGING MUST BE IN ACCORDANCE WITH APPLICABLE LOCAL ORDINANCES AND APPROVED BY LOCAL INSPECTION AUTHORITIES.
- 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 G 001, SECTION 2.2.
 - ACTUAL LOCATION OF OBSTRUCTIONS, STORM DRAINS, AND/OR OTHER FOREIGN UTILITIES TO BE THE RESPONSIBILITY OF THE CONTRACTOR. SEE UGS G 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.
- 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.
- 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.
- 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.
- OWNERSHIP:
 - DEVELOPER IS TO DEED TO THE EDISON COMPANY ALL STRUCTURES SHOWN HEREON EXCEPT THOSE SHOWN AS CUSTOMER OWNED.
- WARRANTY:
 - APPLICANTS EXPRESSLY REPRESENT AND WARRANT THAT ALL WORK PERFORMED AND ALL MATERIAL USED IN MEETING APPLICANTS' OBLIGATIONS HEREON ARE FREE FROM DEFECTS 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 APPLICANTS' EXPENSE ANY BREACH OF THIS WARRANTY WHICH MAY BECOME APPARENT THROUGH INSPECTION OR OPERATION OF UNDERGROUND ELECTRIC SYSTEM BY COMPANY DURING THIS WARRANTY PERIOD.
- 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.

16.11 PROTECTIVE BARRIERS (POSTS/BOLLARDS) FOR SERVICE EQUIPMENT
 BARRIER POSTS/BOLLARDS ARE USED TO PROTECT THE METER AND SERVICE EQUIPMENT, AS WELL AS PERSONNEL, FROM VEHICULAR CONTACT, AND TO PROHIBIT ENCROACHMENT INTO THE WORKING SPACE (FOR EXAMPLE, LOADING ZONES, DRIVEWAYS, CONCRESTED AREAS, OFF STREET PARKING, AND SO ON).

THE CUSTOMER SHALL PROVIDE AND INSTALL "NON-REMOVABLE" BARRIERS (POSTS/BOLLARDS) 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. METER CABINET DOORS MUST BE OPENED AT AN ANGLE OF 90 DEGREES AND NOT CONTACT WITH BARRIER POSTS. A MINIMUM CLEARANCE OF 3-FEET IS REQUIRED FROM THE FACE OF THE SWITCH GEAR TO THE BOLLARD/POST.

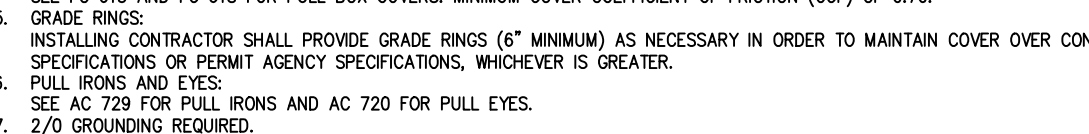
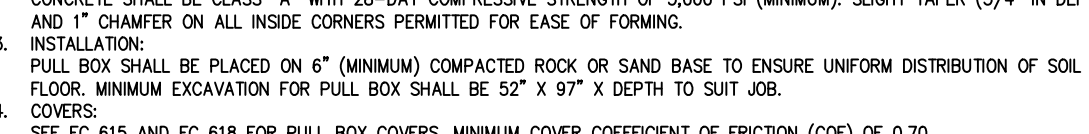
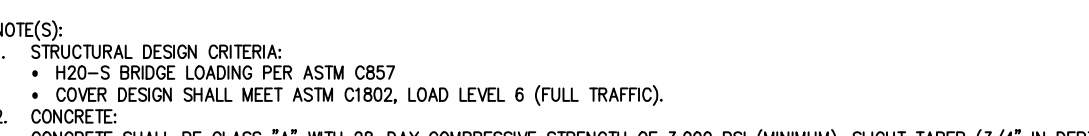
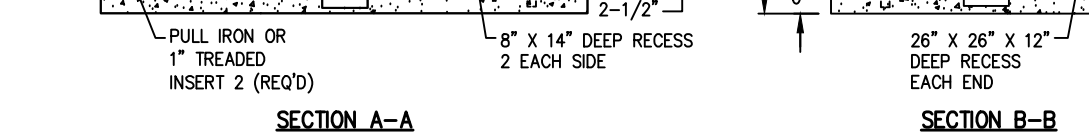
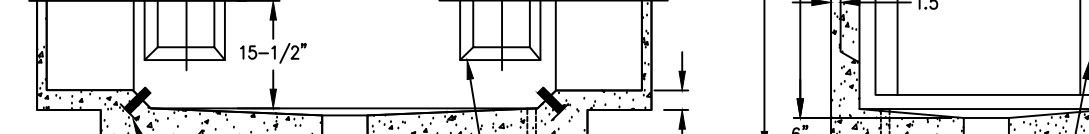
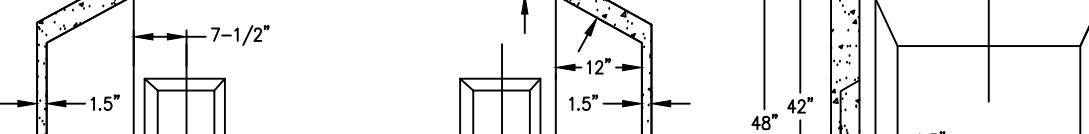
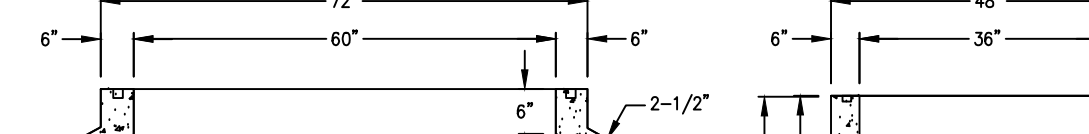
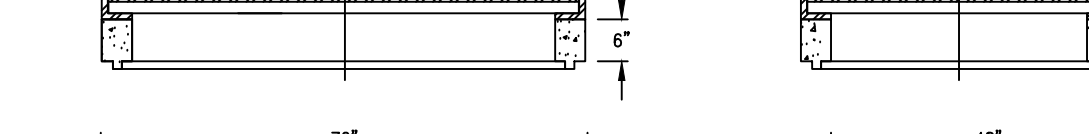
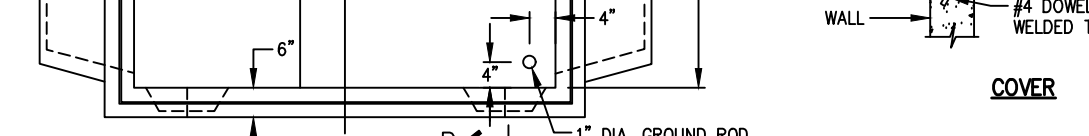
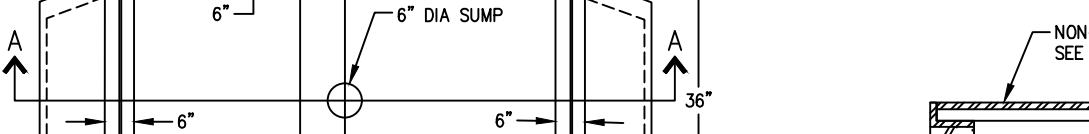
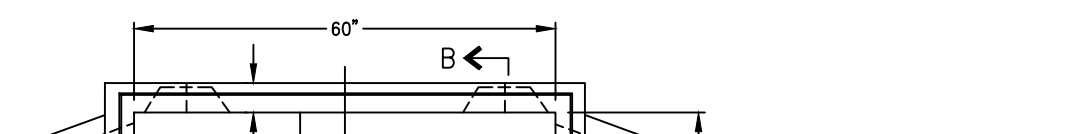
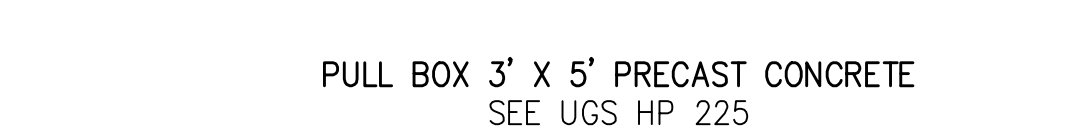
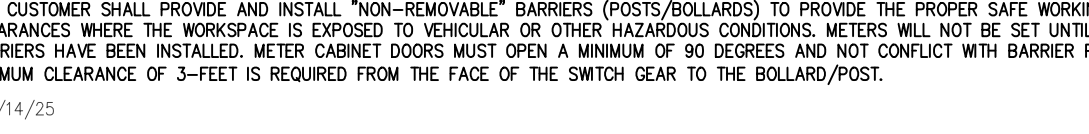
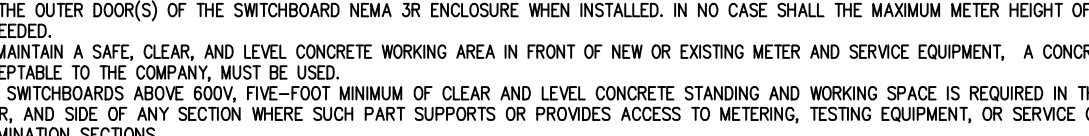
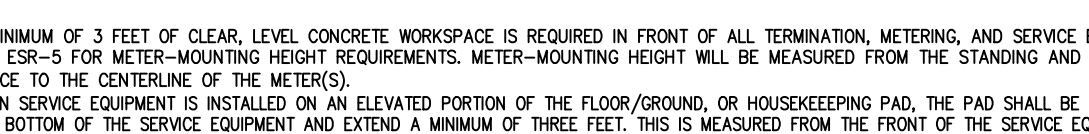
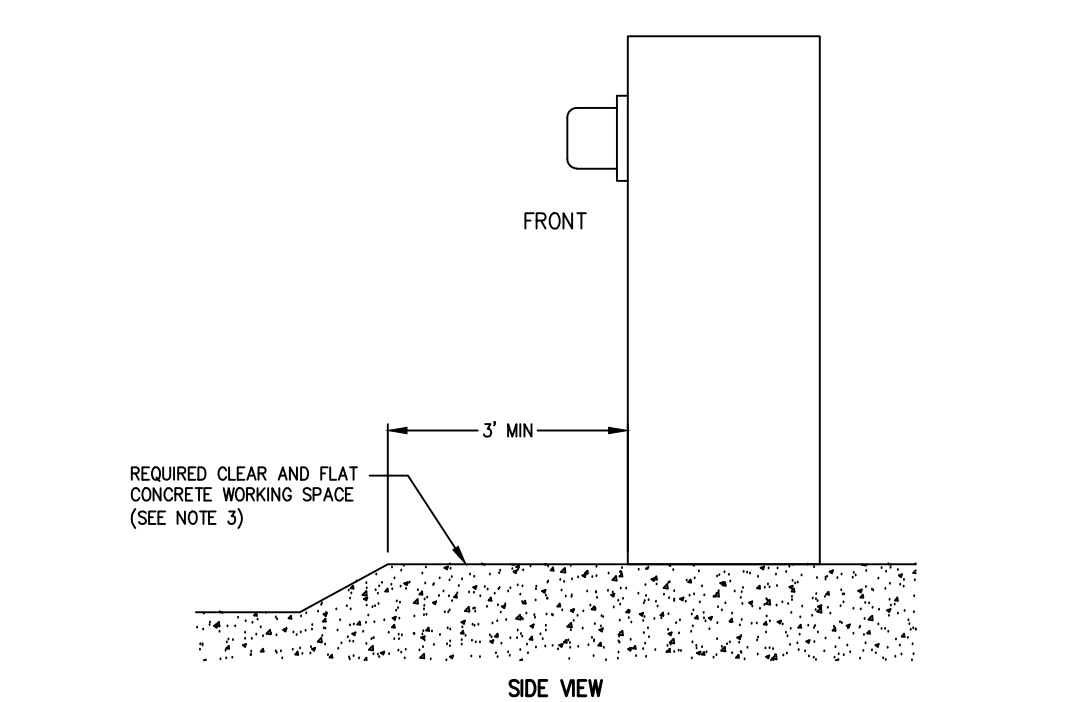
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NOTE: TO ASSIST IN UNDERGROUND STRUCTURE LOCATING FROM THE SURFACE, INSTALL A #6 BARE COPPER WIRE FROM INSIDE THE VENT PIPE TO THE STRUCTURE GROUND SYSTEM. THIS INSTALLATION WILL ALLOW A SINGLE PERSON CROW TO TIE INTO THE SYSTEM GROUND AND LOCATE THE FACILITIES UNDAID. THE INSTALLATION SHOULD BE MADE DURING NEW CONSTRUCTION, ADDED TO THE APPROPRIATE STRUCTURE DURING THE ROUTINE MAINTENANCE CYCLE, OR AS THE NEED ARISES BY REQUEST FOR ASSISTANCE FROM THE CONTRACT CABLE LOCATING COMPANY.

D37: REV. 10/26/20

WORKING SPACE AND CLEARANCE REQUIREMENTS 0-600V (SIDE VIEW) UNDERGROUND SERVICE CONNECTIONS 0-600 VOLTS SEE ESR FIGURE 3-2



NOTE: 1. A MINIMUM OF 3 FEET OF CLEAR, LEVEL CONCRETE WORKSPACE IS REQUIRED IN FRONT OF ALL TERMINATION, METERING, AND SERVICE EQUIPMENT. 2. 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. 3. WHEN SERVICE EQUIPMENT IS INSTALLED ON AN ELEVATED PORTION OF THE FLOOR/GROUND, OR HOUSEKEEPING PAD, THE PAD SHALL BE FLUSH WITH THE BOTTOM OF THE SERVICE EQUIPMENT AND EXTEND A MINIMUM OF THREE FEET. THIS IS MEASURED FROM THE FRONT OF THE SERVICE EQUIPMENT OR THE OUTER DOOR(S) OF THE SWITCHBOARD NEMA 3R ENCLOSURE WHEN INSTALLED. IN NO CASE SHALL THE MAXIMUM METER HEIGHT OF 6'-3" BE EXCEEDED. 4. TO MAINTAIN A SAFE, CLEAR, AND LEVEL CONCRETE WORKING AREA IN FRONT OF NEW OR EXISTING METER AND SERVICE EQUIPMENT, A CONCRETE SLAB, ACCEPTABLE TO THE COMPANY, MUST BE USED. 5. FOR SWITCHBOARDS ABOVE 600V, FIVE-FOOT MINIMUM OF CLEAR AND LEVEL CONCRETE 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.

D04: 12/12/24

PAD FOR SURFACE-MOUNTED TRANSFORMER POURED IN FIELD CONSTRUCTION AND PRECAST CONSTRUCTION (CONCRETE) SEE UGS SS 504

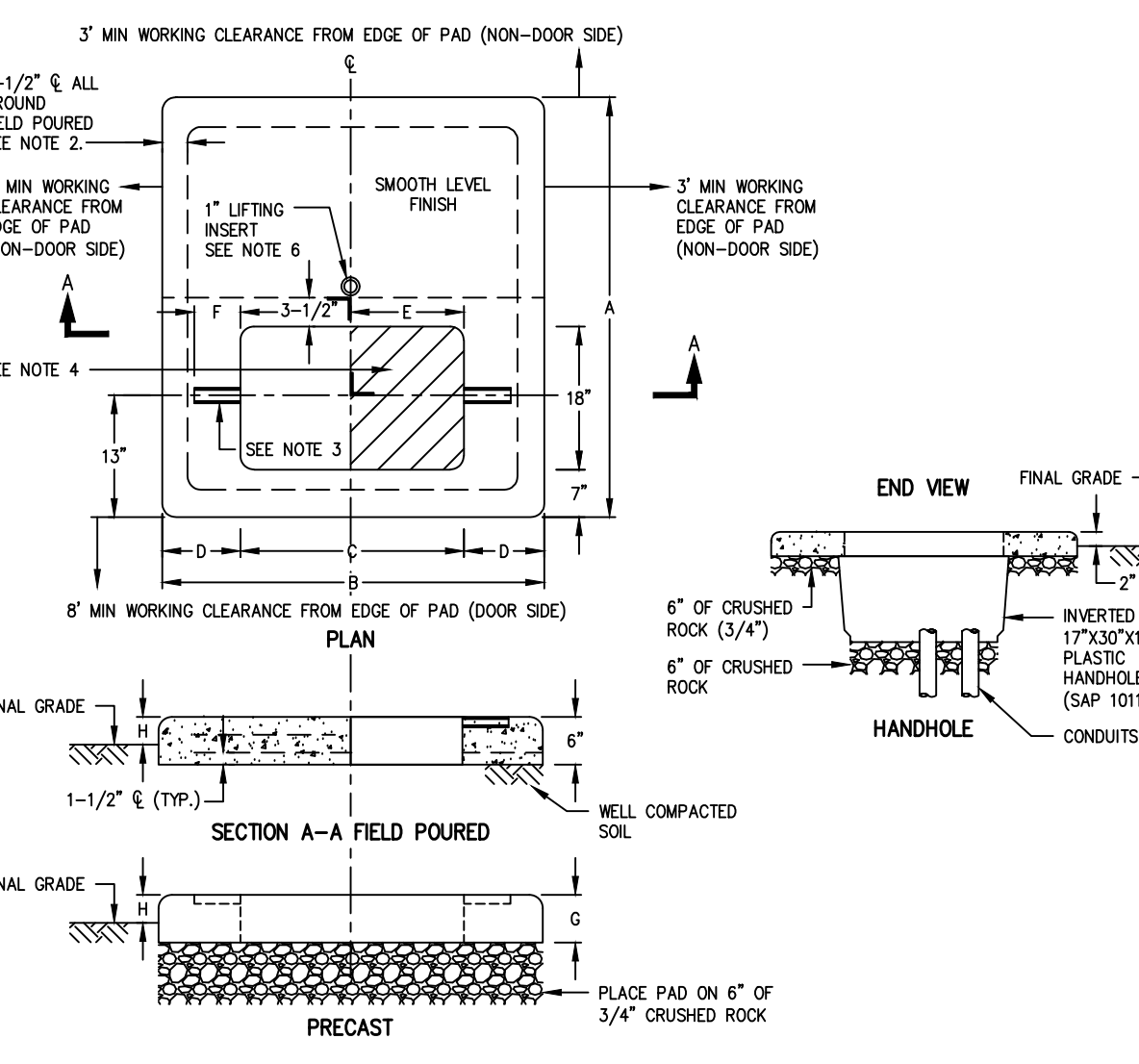
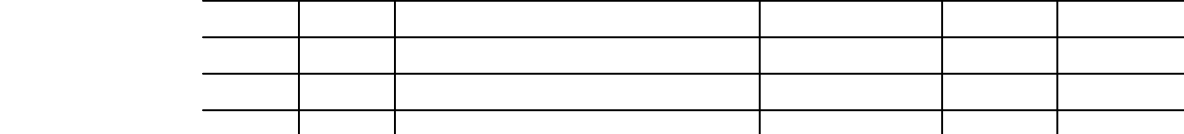
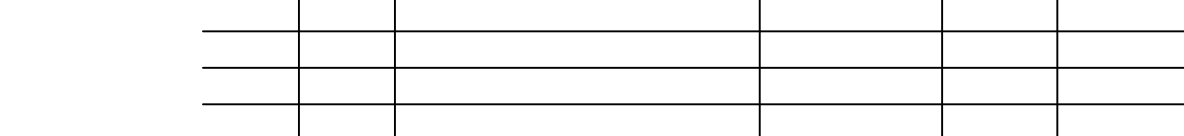
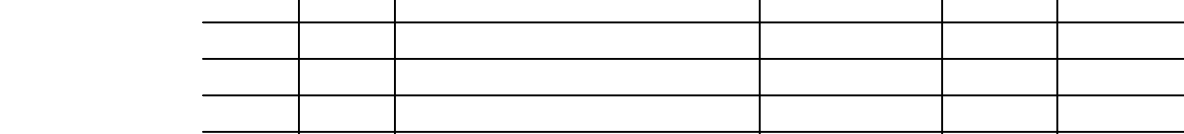
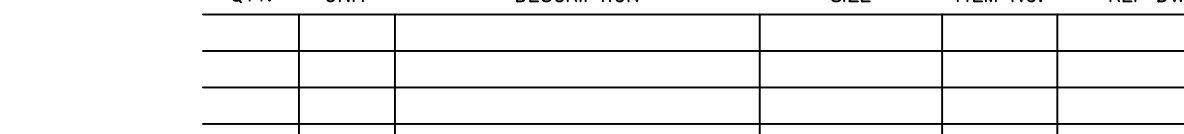
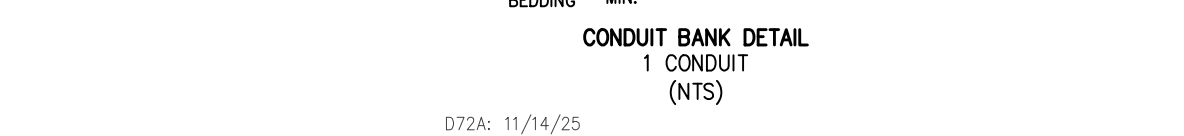
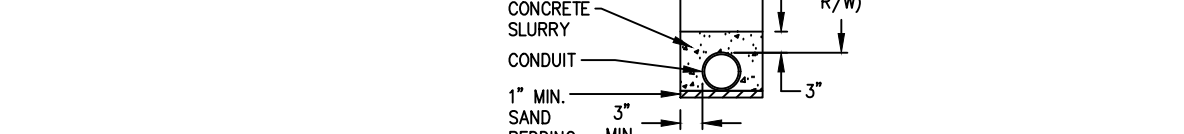
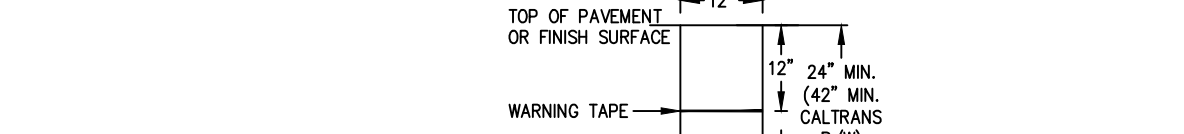
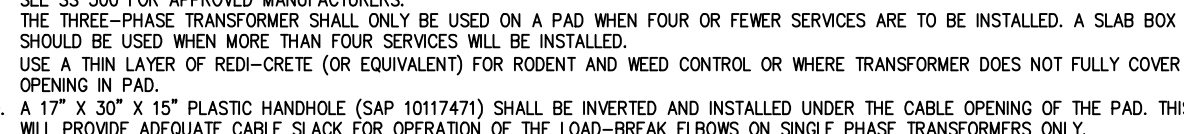
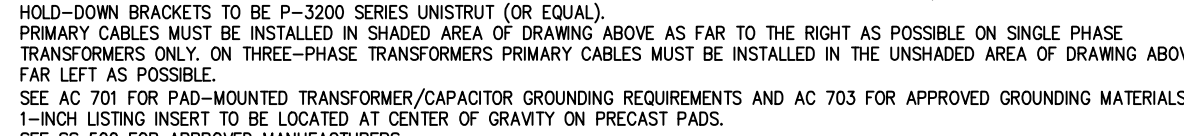
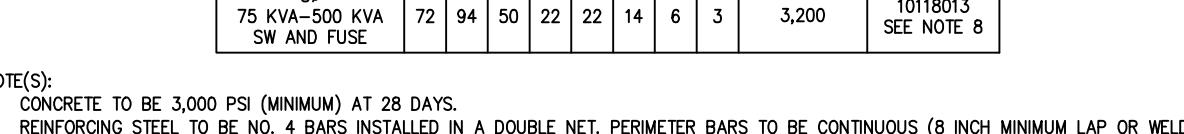
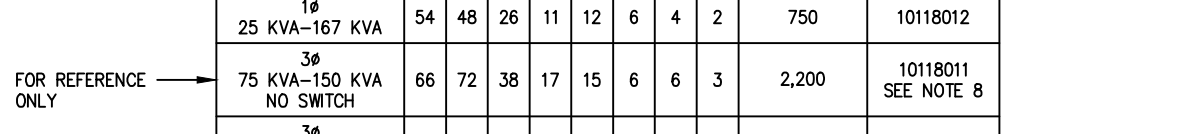


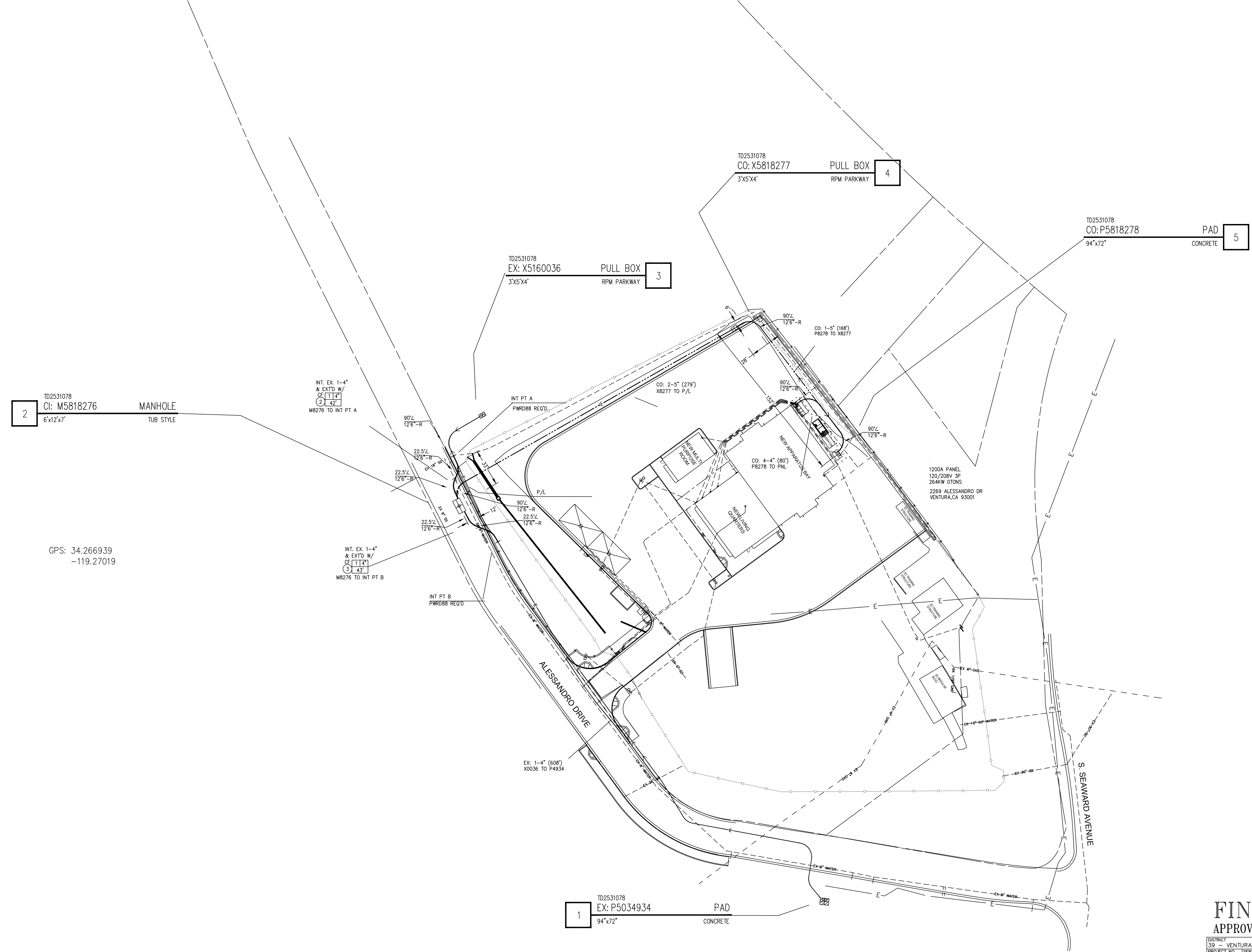
TABLE SS 504-1: SURFACE-MOUNTED TRANSFORMER PADS - DIMENSIONS

TRANSFORMER	A	B	C	D	E	F	G	H	WEIGHT (LB)	SAP
19	48	26	11	12	6	4	2		750	1018012
25 KVA-167 KVA	54	48	26	11	12	6	4	2	750	1018012
38	66	72	38	17	15	6	6	3	2,200	1018101
75 KVA-150 KVA NO SWITCH	66	72	38	17	15	6	6	3	2,200	1018101
38	66	72	38	17	15	6	6	3	2,200	1018103
75 KVA-150 KVA SW AND FUSE	72	94	50	22	22	14	6	3	3,200	1018103



PROJECT REQUIREMENTS (Y/N)	
EDISON EASEMENT REQUIRED	N
PWRD 88 REQUIRED UG	Y
CIVIL ONLY WORK ORDER	N
PERMIT REQUIRED	Y
PERMIT TYPE: ENCROACHMENT & TRAFFIC	Y
OUTAGE DATE: _____ TIME: _____	Y
TRAFFIC CONTROL REQUIRED	Y
PED. TRAFFIC CONTROL REQ'D	N
CONVEYANCE LETTER REQ'D	N
ENVIRONMENTAL REQUIREMENTS DOCUMENT (ERD) REQUIRED	Y
CSD 140 (TLM) REQ'D	Y
CIRCUIT MAP CHANGE REQ'D (TD 203)	Y
DIG ALERT APP	N
VERIFIED ACTIVE AND CONFIRMED USA TICKETS	N
UTILITIES NOTIFIED	N
FAA MARKING REQ'D	N
FAA TYPE: _____	N
ACTUAL COST WORK ORDER	N
STANDARD ADHERENCE: 01_Q/_26_Y	

0124- 12/12/24



GPS: 34.266939
-119.27019



SCALE: 1" = 40'
0 40 80

FINAL DESIGN APPROVED FOR CONSTRUCTION

DISTRICT	39 - VENTURA	PROJ. MGR.	WALL, STEVEN D	PLANNER	WALL, STEVEN D	DESIGNER	RIFFEL, RILEY
PROJECT NO.	3166536	SERVICE REQUEST	4044496	MSR NO.	2531078-LINE EXTENSION	PRODUCT-1	ASSOC DESIGN
CIRCUIT / VOLTAGE		GPS				PRODUCT-2	ASSOC DESIGN
SUB / PG NO.		CIRCUIT CODE				PRODUCT-3	ASSOC DESIGN
INVENTORY MAP	03B-021C-8	J.P.A. NO.		PROPOSED CONSTRUCTION (LOCATION)			
				2269 ALESSANDRO DR VENTURA CA 93001			
P	3/17/26		S.WALL	R.RIFEL	24687		
F	5/20/26	J.YANEZ	S.WALL	R.RIFEL	24687		
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET	DESIGN/DRAW NO.
						2 of 2	1943594_0.01

FILE NAME: HANSHU_LUD_RECORDING_SAVE_DATE: 5/27/2026 2:28 PM SAVID: BHOZAVANNA