

November 12, 2025

## ADDENDUM 1

To the Contract Documents for the Project Manual, Intech Welding Facility  
Volume 1 of 1, Divisions 00-33

Intech Welding Facility  
Chaffey Community College District  
SGH Architects Project Number: 23-46102-00  
DSA A#04-124464, File No. 36-C1

It is intended that all work affected by the following provisions shall conform to the original Plans and Specifications dated September 02, 2025 (DSA Approval date). Delete or modify each of the following items wherever appearing on the Drawings and/or Specifications.

### ITEM 1.0 Changes to the Specifications

#### 1. Section 33 14 16 – Site Water Distribution Piping

- a. Remove “post indicator” note from section 2.03 item C, 2.
- b. Remove entire note “D.” from section 2.04.
- c. Remove entire note “J.” from section 3.05.
- d. Remove entire note “G.” from section 3.12.

### ITEM 2.0 Changes to the Drawings

#### 2.1 GENERAL SHEETS

#### 1. Sheet G0.00 – Title Sheet

- a. Sheet S5.02 was added to the sheet index. Sheet total has been updated.

#### 2.2 CIVIL SHEETS

#### 1. Sheet C-1.1 Title Sheet

- a. Replaced Construction Utility Notes 60, 64, and 65 to “Note Not Used”.
- b. Remove trench work as shown on the Index Map.
- c. The concrete slab for the electrical enclosure, just east of grid line A, has been enlarged on the index map.

#### 2. Sheet C-2.1 Topographic Map

- a. Revised limits of removal and sawcut of trenching to exclude fire line to proposed building.

#### 3. Sheet C-3.1 Precise Grading Plan



- a. Revised trenching notes to exclude fire line to proposed building.
- b. Removed PIV wafer check valve and FDC.

4. **Sheet C-4.1 Composite Utilities**

- a. Removed PIV wafer check valve and FDC and future stub out to building.
- b. Excluded Fire line pipes: F2, F4, F5, F8, and F9.
- c. Replaced Construction Utility Notes 60, 64 and 65 to "Note Not Used".
- d. The concrete slab for the electrical enclosure, just east of grid line A, has been enlarged.

5. **Sheet C-5.1 Horizontal Control Plan**

- a. Removed sawcut and grind and overlay dimensions of trenching to exclude fire line to proposed building.
- b. The concrete slab for the electrical enclosure, just east of grid line A, has been enlarged.
- C. Revised wall dimensions at two locations north of the building in the exterior service yard.

6. **Sheet C-6.1 Detail Sheet**

- a. Replaced Construction Utility Notes: 60, 64, and 65 to Note "Note Not Used".

7. **Sheet C-6.2 Detail Sheet**

- a. Replaced Construction Utility Notes: 60, 64, and 65 to Note "Note Not Used".
- b. Removed Silent Wafer Check Valve product info cutsheet.

8. **Sheet C-6.3 Detail Sheet**

- a. Replaced Construction Utility Notes: 60, 64, and 65 to Note "Note Not Used".
- b. Removed PIV and PIV gate valve and FDC product info cutsheets.

2.3 **ARCHITECTURAL SHEETS**

1. **Sheet A1.01 – Site Plan Demolition**

- a. Revised area of demolition.
- b. Additional keynotes were added to demo plan to clarify the protection of an existing tree (02.001), and the protection & removal of concrete blocks within the trenching path (02.009 & 02.110).
- c. Photos have been added to the sheet to show existing conditions.



**2. Sheet A1.11 – Site Plan**

- a. Revised site plan to include more asphalt replacement north of the existing building.
- b. Revised electrical enclosure layout to accommodate new equipment design at east of building.
- c. Added a new gate tag, “G8” to electrical enclosure.
- d. Revised site plan to accurately reflect what is under the large tree to the southwest of our site.
- e. Revised site plan to show a truncated dome hatch pattern on the drawings and in the legend (This is not new scope, it was already shown on the enlarged site plans).
- f. Revised site plan to show concrete hatch pattern on the site plan.
- g. Remove all fire suppression items related to the building per civil comments above.
- h. Keynote 02.111 was added to clarify the reinstallation of (e) concrete retaining wall blocks within the trenching path.

**3. Sheet A1.31 – Site Plan – Enlarged Plans**

- a. Detail 1 – Relocate wall tag B8\*\* leaders to point at the walls.

**4. Sheet A1.32 – Site Plan – Enlarged Plans**

- a. Detail 1 – Revise location of storm drain lid per new dimensions and added keynote 22.007.
- b. Material tags corresponding to material finishes on A9.31 have been added to the legend.

**5. Sheet A2.21 – Floor Plan**

- a. Detail 1 - Elevation marker 14/A8.11 has been added to the floor plan view- between gridlines 3&4 and A&B
- b. Detail 1 - Material tags have been added to walls to identify finish materials and base materials.
- c. Detail 1 - Vinyl composite tile floor finish has been added to OFFICE/STORAGE 101. A hatch pattern for the tile has been added to the legend.
- d. Detail 3 - Added keynote and material tags.

**6. Sheet A3.11 – Reflected Ceiling Plan**

- a. Detail 1 - Added keynote tags to identify finish materials and colors.
- b. Detail 1 - C-channels have been added to the scope of work. The channel is used to mount cord reels. C-channels and all supporting members have been identified with keynotes.
- c. Reflected Ceiling Plan Notes – Note “I” has been added to the notes, instructing that all exposed pipes, conduits, tubes and ducts shall be left unfinished.



7. **Sheet A3.12 – Reflected Ceiling Plan-North**

- a. Detail 1 - Added keynote tags to identify finish materials and colors.

8. **Sheet A5.11 – Exterior Elevations**

- a. Added keynote tags to all views on sheet to identify finish materials and colors
- b. keynote 05.015 has been added to the keynotes.

9. **Sheet A6.11 – Sections – Overall Building**

- a. Sections 1 & 2/A6.11 have been modified to include the c-channel mount that has been added to the scope.

10. **Sheet A7.11 – Enlarged Plan & Interior Elevations**

- a. Added keynote tags to all interior elevation views on sheet to identify finish materials and colors

11. **Sheet A8.11 – Interior Elevations**

- a. Elevation view 14/A8.11 has been added to the sheet.
- b. Keynote tags and material tags have been added to all elevation views to identify material finishes.

12. **Sheet A9.31 – Schedule – Finishes**

- a. Room Finish Legend has been updated to show finishes for each room.
- b. Three new materials were added to the Finish Specification Legend: CF-3, FRP-1, MWB-1.

13. **Sheet A10.25 – Details - Opening**

- a. Replace detail 5 – with new detail to add hood over the doors.
- b. Added detail 21 to show new threshold between VCT and concrete.

14. **Sheet A10.51 – Details – Interior Partitions**

- a. Replace text at note to read “CURB IS NOT REQUIRED AT RESTROOM LOCATIONS. FOLLOW METAL STUD WALL WITH GYPSUM BOARD AND FRP FROM DETAIL 18/- FOR RESTROOM LOCATIONS”

15. **Sheet A10.92 – Details - Miscellaneous**

- a. Replace detail 14 with a new detail 14, to accommodate equipment layout.



- b. Replace detail 28 – with new detail 28. Added panic hardware, latch and lever hardware. Removed fork latch. Graphics have been updated to include privacy slats. “Gate 8” note has been added to detail.
- c. Added detail 12/A10.92 – cord reel mount.

## 2.4 STRUCTURAL SHEETS

### 1. Sheet S2.02 – Roof Framing Plan

- a. 1/S2.02- Top of steel (TOS) for W14x22 in detail 3/S2.02 has been changed to “+10'-4 ¼””

### 2. Sheet S5.02 - Details

- a. Sheet S5.02 has been added to the set

## 2.5 MECHANICAL SHEETS

### 1. Sheet M0.02 – Mechanical Schedules and Details

- a. Updated several items in several schedules.

### 2. Sheet M2.21 - Mechanical Plan

- a. Detail 1 - Added dust collector to floor plan. (Equipment was already shown in the schedule and detail 11/M0.03, just not on the plan.)

## 2.6 PLUMBING SHEETS

### 1. Sheet P2.21 – Plumbing Plan

- a. Add new hose bib at gridline 7.

## 2.7 ELECTRICAL SHEETS

### 1. Sheet E0.04 – Single Line Diagram

- a. Revised single line diagram at several locations.

### 2. Sheet E1.11 – Electrical Site Plan

- a. Sheet Notes 9 and 10 have been revised.
- b. Detail 1 - Revised pathways for communication and main electrical service feed.

### 3. Sheet E2.22 – Power Plan

- a. Sheet note #2 has been revised to read, “REFER TO CORD REEL DETAIL 12/A10.92 FOR CORD REEL MOUNTING.”

### 4. Sheet E2.23 – Communication Plan

- a. Added new keypad symbol near gridline B & 4.



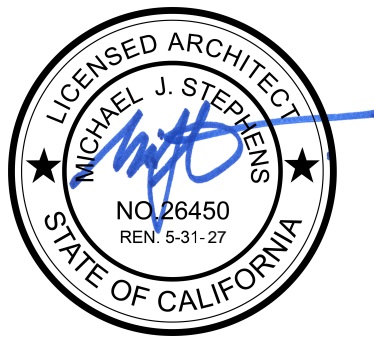
5. Sheet E4.02 – Electrical Details

- a. Detail 3/E4.02 has been removed from sheet.
- b. Detail 1/E4.02 has been modified to show the updated electrical equipment information.

End of Addendum 1

SGH Architects

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## **SECTION 33 14 16 SITE WATER DISTRIBUTION PIPING**

### **PART 1 GENERAL**

#### **1.01 SECTION INCLUDES**

- A. Water pipe for site conveyance lines.
- B. Pipe valves.
- C. Fire hydrants.
- D. Backflow preventers - reduced pressure principle assemblies.
- E. Site water lines up to approximately 5 feet from the building perimeter. See individual building systems for continuation.

#### **1.02 RELATED REQUIREMENTS**

- A. Section 21 11 00 - Facility Fire-Suppression Water-Service Piping.
- B. Division 22 - Plumbing: Underground water line extension into the building.
- C. Section 31 23 16.13 - Trenching: Excavating, bedding, and backfilling.
- D. Section 33 01 10.58 - Disinfecting of Site Water Distribution Piping: Disinfection of site service utility water piping.
- E. Section 33 05 43 - Corrosion Protection: Reducing exposure of metal parts in sulfate containing soils.

#### **1.03 REFERENCE STANDARDS**

- A. ASSE 1013 - Performance Requirements for Reduced Pressure Principle Backflow Prevention Assemblies.
- B. ASTM A240/A240M - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.
- C. ASTM A506 - Standard Specification for Alloy and Structural Alloy Steel, Sheet and Strip, Hot-Rolled and Cold-Rolled.
- D. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength.
- E. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete.
- F. ASTM D1785 - Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120.
- G. ASTM D2466 - Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40.
- H. ASTM D2855 - Standard Practice for the Two-Step (Primer and Solvent Cement) Method of Joining Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets.



- I. ASTM D3139 - Standard Specification for Joints for Plastic Pressure Pipes using Flexible Elastomeric Seals.
- J. ASTM F593 - Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs.
- K. ASTM F594 - Standard Specification for Stainless Steel Nuts.
- L. AWWA C105/A21.5 - Polyethylene Encasement for Ductile-Iron Pipe Systems.
- M. AWWA C111/A21.11 - Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings.
- N. AWWA C504 - Rubber-Seated Butterfly Valves.
- O. AWWA C508 - Swing-Check Valves for Waterworks Service, 2-In. Through 48-In. (50-mm Through 1,200-mm) NPS.
- P. AWWA C509 - Resilient-Seated Gate Valves for Water Supply Service.
- Q. AWWA C600 - Installation of Ductile-Iron Mains and Their Appurtenances.
- R. AWWA C606 - Grooved and Shouldered Joints.
- S. AWWA C900 - Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 In. through 60 In. (100 mm through 1500 mm).
- T. NSF 61 - Drinking Water System Components - Health Effects.
- U. NFPA 24 - Standard for the Installation of Private Fire Service Mains and Their Appurtenances.
- V. SSPWC (Greenbook) - Standard Specifications for Public Works Construction.
- W. UL 246 - Hydrants for Fire-Protection Service.

#### **1.04 ADMINISTRATIVE REQUIREMENTS**

- A. Preinstallation Meeting: Conduct a preinstallation meeting one week prior to the start of the work of this section; require attendance by all affected installers.
- B. Sequencing: Ensure that utility connections are achieved in an orderly and expeditious manner.

#### **1.05 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on pipe materials, pipe fittings, joints, couplings, valves and accessories.
- C. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
  - 1. Submit a certificate stating that the meters have been tested and that the accuracy and capacity meet the requirements of AWWA C700 when tested in accordance with AWWA Standards according to type installed.
- D. Shop Drawings: Submit shop drawings for potable water system, showing piping materials, size, locations, and elevations. Include details of underground structures, connections, thrust blocks, and anchors. Show interface and spatial relationship between piping and proximate structures.
- E. Certificates: Provide a NFPA 24 Certificate of installation with copies for District, Architect, local fire officials, and DSA.
- F. Project Record Documents:



1. Record actual locations of piping mains, valves, connections, thrust restraints, and invert elevations.
  2. Identify and describe unexpected variations to subsoil conditions or discovery of uncharted utilities.
  3. On a set of Contractor Drawings, kept at the site during construction, mark construction that is installed differently from that indicated.
    - a. Locate materials installed underground by dimensions from fixed identifiable points whether installed as indicated or not.
- G. Maintenance Data:
1. Submit maintenance data and parts list for potable water system materials and products.
  2. Include this data, product data, shop drawings, and record drawings in maintenance manual; in accordance with requirements of Section 01 78 00 - Closeout Submittals.

#### **1.06 QUALITY ASSURANCE**

- A. Perform Work in accordance with utility company requirements.
- B. Manufacturer's Qualification: Firms regularly engaged in manufacture of potable water system materials and products, of types and sizes required, whose products have been in satisfactory use in similar service for not less than 5 years.
- C. Installer's Qualifications: Firm with at least 3 years of successful installation experience on projects with potable water piping work similar to that required for project.

#### **1.07 REGULATORY REQUIREMENTS**

- A. Materials and installation: Comply with the following documents hereinafter referred to as the "SSPWC (Greenbook)".
- B. Install in accordance with County of Los Angeles Fire Department Regulation 8.
- C. Comply with NFPA 24 as adopted by authority having jurisdiction.

#### **1.08 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver and store valves in shipping containers with labeling in place.
- B. Do not store materials directly on the ground. Support the pipe uniformly during shipping and storage.
  1. Do not stack higher than 4 feet nor stack with weight on bells.
  2. Cover plastic pipe to protect it from sunlight.
  3. Keep inside of pipe and fittings free of dirt and debris.
  4. Avoid scratching the pipe surface.
- C. Do not install pipe that is cracked, broken, gouged, scratched or forming a clear depression. Remove damaged pipe from the site.
- D. Do not install pipe contaminated with a petroleum product or any other toxic material whether inside or outside of pipe.



- E. Take special care to avoid injury to coatings and linings on pipe and fittings; make satisfactory repairs if coatings or linings are damaged.
  - 1. Hoist pipe with mechanical equipment using a cloth belt sling or a continuous fiber rope which avoids scratching the pipe.
  - 2. Pipes may be lowered by rolling on two ropes controlled by snubbing.

## **1.09 WARRANTY**

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a five year period after Date of Substantial Completion.

## **PART 2 PRODUCTS**

### **2.01 SITE FIRE LINE SYSTEM DESCRIPTION**

- A. CFC 507 and 901 with NFPA Compliance: NFPA 24.
  - 1. Coordinate installation with sprinkler risers at building to match requirements with NFPA 13.
- B. Local Fire Department/Fire Marshal Regulations: Comply with governing regulations pertaining to hydrants, including hose unit threading and similar matching of connections.
- C. UL Compliance: Provide fire hydrants that comply with UL 246, and are listed by UL, and approved by the authorities having jurisdiction.

### **2.02 WATER PIPE**

- A. General:
  - 1. Provide piping materials and factory-fabricated piping products of size, type, pressure ratings, and capacities as indicated.
  - 2. Where not indicated, provide proper selection as determined by Installer to comply with installation requirements.
  - 3. Provide size and types matching piping and equipment connections; provide fittings of materials which match pipe materials used in potable water systems.
  - 4. Where more than one type of materials or products are indicated, selection is Installer's option.
- B. Piping:
  - 1. Provide pipes of one of the following materials, of weight/class indicated.
  - 2. Provide pipe fittings and accessories of same material and weight/class as pipes, with joining method as indicated.
- C. Ductile Iron Pipe: AWWA C151/A21.51:
  - 1. Fittings: Ductile iron, standard thickness.
  - 2. Joints: AWWA C111/A21.11, rubber gasket with rods.
  - 3. Jackets: AWWA C105/A21.5 polyethylene jacket.
- D. PVC Pipe: ASTM D 1785, Schedule 80 for sizes 1/2 inch through 3 inches.



1. Fittings: ASTM D2466, PVC, socket type, solvent cement joints; or elastomeric gaskets joints.
  2. Joints: ASTM D2855, solvent weld.
- E. PVC Pipe: AWWA C900 FM approved, Class 305 (formerly 200): for sizes 4 inches through 12 inches; UL Listed.
1. Dimension Ratio: DR 25.
  2. Fittings: AWWA C111/A21.11, ductile-iron, cement lined, with rubber gaskets.
  3. Joints: ASTM D3139 compression gasket ring, bell and spigot.
- F. Trace Wire: Magnetic detectable conductor, clear plastic covering, imprinted with "Water Service" in large letters.

### 2.03 VALVES

- A. Valves: Manufacturer's name and pressure rating marked on valve body.
- B. Gate Valves Up To 3 Inches:
1. Brass or Bronze body, non-rising stem, inside screw, single wedge or disc, compression ends, with control rod, valve key, and extension box.
- C. Gate Valves 3 Inches and Over:
1. Manufacturers:
    - a. Mueller Co.
    - b. Decatur
    - c. Illinois
    - d. Kennedy Valve Div.
    - e. Substitutions: See Section 01 60 00 - Product Requirements.
  2. AWWA C509, iron body, bronze trim, non-rising stem with square nut, single wedge, resilient seat, flanged ends, control rod, ~~post indicator~~ valve key, and extension box.
- D. Ball Valves Up To 2 Inches:
1. Brass body, Teflon coated brass ball, rubber seats and stem seals, Tee stem pre-drilled for control rod, AWWA inlet end, compression outlet with electrical ground connector, with control rod, valve key, and extension box.
- E. Swing Check Valves From 2 Inches to 24 Inches:
1. Manufacturers:
    - a. Clow Corp.
    - b. Fairbanks Co.
    - c. Kennedy Valve Div.
    - d. Substitutions: See Section 01 60 00 - Product Requirements.
  2. AWWA C508, iron body, bronze trim, 45 degree swing disc, renewable disc and seat, flanged ends.
- F. Butterfly Valves From 2 Inches to 24 Inches:



1. AWWA C504, iron body, bronze disc, resilient replaceable seat, water or lug ends, ten position lever handle.
- G. Valve Ends: Provide flanged, threaded, hub or sleeve type mechanical joint ends designed to suit pipe or tapping sleeves connections.

## 2.04 HYDRANTS

- A. Hydrants: Type as required by local Fire Department or utility company.
  1. Fire Service Hydrant:
    - a. Outlets:
      - 1) 4 inch diameter: One.
      - 2) 2-1/2 inch diameter: One.
  - B. Hydrant Extensions: Fabricate in multiples of 6 inches with rod and coupling to increase barrel length.
  - C. Hose and Streamer Connection: Match sizes with utility company, two hose nozzles , one pumper nozzle.
  - ~~D. Fire Department Connections: As required by Fire Department having jurisdiction and responsibility for serving site.~~
  - E. Finish: Primer and two coats of enamel in color required by local Fire Department or utility company.

## 2.05 BACKFLOW PREVENTERS - REDUCED PRESSURE PRINCIPLE ASSEMBLIES

- A. Reduced Pressure Backflow Preventer Assemblies up to 2 Inches NPS:
  1. ASSE 1013; NSF 61; bronze body; two independently operating, spring-loaded check valves with stainless steel springs; differential pressure relief valve located between check valves; integral test fittings.
  2. Size: 3/4- to 2-inch NPS assembly with full port ball valves.
  3. Maximum Working Parameters: 175 psi at 180 degrees F.
  4. Accessories: Provide outdoor-mounted protective enclosure.

## 2.06 BEDDING AND COVER MATERIALS

- A. Bedding: As specified in Section 31 23 23.
- B. Cover: As specified in Section 31 23 23.

## 2.07 ACCESSORIES

- A. Bolts and Nuts for Flanges: Provide type 316 stainless steel (UNS s31600 / AISI 316 / ASTM A240/A240M) for all bolts, nuts washers and rods used for the installation of underground piping, valves and fittings.
  1. Bolts: Conform to ASTM F593, Alloy Group 2, Condition CW1 (1/4 to 5/8 inch) and CW2 (3/4 to 1-1/2 inch).
  2. Nuts: Conform to ASTM F594, Alloy Group 2, Condition CW1 (1/4 to 5/8 inch) and CW2 (3/4 to 1-1/2 inch).



- B. Restraint Devices: Provide wedging action type mechanical restraint devices at all pipe joints.
  - 1. Rods, Nuts and Washers: Stainless Steel per ASTM F593 and ASTM F594.
  - 2. Products:
    - a. EBAA Iron Sales, Inc.: ebaa.com.
    - b. Uni-flange type.
    - c. Substitutions: See Section 01 60 00 - Product Requirements.
- C. Anchorages: Provide anchorages for tees, wyes, crosses, plugs, caps, bends, valves, and hydrants. After installation, apply full coat of asphalt or other acceptable corrosion-retarding material to surfaces of ferrous anchorages.
  - 1. Clamps, Straps, and Washers: Stainless Steel, ASTM F594.
  - 2. Rods: Stainless Steel, ASTM F593.
  - 3. Bolts: Stainless Steel, ASTM F593.
- D. Concrete: Ready-mixed, complying with ASTM C94/C94M; Type V - Sulfate Resistant Portland cement; 3,000 psi strength at 28 days, 3 inch slump; 3/4 inch nominal size aggregate.
- E. Meter:
  - 1. Comply with AWWA C700. Acceptable manufacturers, or equal.
  - 2. Acceptable manufacturers:
    - a. Western Water Meter Inc.
    - b. Rockwell International Corp.
    - c. Hersey Products Inc.
    - d. Substitutions: See Section 01 60 00 - Product Requirements.
  - 3. Water meter shall be:
    - a. Flanged multijet turbine type.
    - b. Meet requirements of local water department.
  - 4. The meter housing shall be bronze with brass case and lid.
  - 5. Meter chamber shall be molded and corrosion resistant and shall have a sapphire rotor bearing. The meter register shall be vacuum sealed in copper housing with magnetic coupling. It shall have a leak indicator and heat tempered glass.
  - 6. Concrete Meter Box: Meter boxes shall be Brooks Concrete Works Series 3 through 37 meter box, standard meter vault or 300 Series meter vault, or equal, as required by local water department.
- F. Identification
  - 1. Underground-Type Plastic Line Marker: Manufacturer's standard permanent, bright-colored, continuous-printed plastic tape, intended for direct-burial service; not less than 6 inches wide x 4 mils thick. Provide blue tape with black printing reading "CAUTION WATER LINE BURIED BELOW".
    - a. Manufacturer: Subject to compliance with requirements, provide identification markers of one of the following:



- 1) Allen Systems Inc.
  - 2) Seton Name Plate Corp.
- b. Substitutions: See Section 01 60 00 - Product Requirements.
2. Nonmetallic Piping Label: If nonmetallic piping is used for water service, provide engraved plastic laminate, label permanently affixed to main electrical meter panel stating "THIS STRUCTURE HAS A NONMETALLIC WATER SERVICE".

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that building service connection and municipal utility water main size, location, and invert are as indicated.
- B. Do not proceed with work until unsatisfactory conditions have been corrected in manner acceptable to Installer.

### **3.02 PREPARATION**

- A. Cut pipe ends square, ream pipe and tube ends to full pipe diameter, remove burrs.
- B. Remove scale and dirt on inside and outside before assembly.
- C. Prepare pipe connections to equipment with flanges or unions.

### **3.03 TRENCHING**

- A. See the sections on excavation and fill for additional requirements.
- B. Hand trim excavation for accurate placement of pipe to elevations indicated.
- C. Form and place concrete for pipe (larger than 4 inches) thrust restraints at each change of pipe direction. Place concrete to permit full access to pipe and pipe accessories. Provide 4 sq ft thrust restraint bearing on subsoil.
- D. Do not backfill until installation has been approved and as-built drawings are up to date. Promptly install all piping after excavation or cutting for same has been done, so as to keep the excavations open as short a time as possible.
- E. Backfill around sides and to top of pipe with cover fill, tamp in place and compact, then complete backfilling.

### **3.04 INSTALLATION - PIPE**

- A. General: During back-filling/topsoiling of underground potable water piping, install continuous underground-type plastic line markers located directly over buried lines at 6 to 8 inches below finished grade.
- B. Maintain separation of water main from sewer piping in accordance with plumbing code.
- C. Group piping with other site piping work whenever practical.
- D. Establish elevations of buried piping to ensure not less than 2 ft of cover.
- E. Install pipe to indicated elevation to within tolerance of 5/8 inches.
- F. Comply with Section 33 05 43 - Corrosion Protection.



- G. Install ductile iron piping and fittings to AWWA C600.
- H. Install grooved and shouldered pipe joints to AWWA C606.
- I. Polyvinyl Chloride Pipe: Install in accordance with manufacturer's installation instructions.
  - 1. Pressure water lines (4 inch and larger): Install in accordance with pipe manufacturers recommendations, or as shown in J-M Installation Guide "Ring-Tite PVC Pipe". Provide thrust blocks as required by "J-M Installation Guide".
- J. Route pipe in straight line.
- K. Install pipe to allow for expansion and contraction without stressing pipe or joints.
- L. Install access fittings to permit disinfection of water system performed under Section 33 01 10.58.
- M. Slope water pipe and position drains at low points.
- N. Install trace wire 6 inches above top of pipe; coordinate with Section 31 23 16.13.
- O. Provide and install 14 gauge copper "Tracer" wire, continuous for entire length, for all underground non-metallic piping. Secure to piping at alternate joints, at each fitting and at each valve. Locate "Tracer" wire along side pipe, but not under pipe.
- P. Installation of identification: During backfilling/top-soiling of underground water piping systems, install continuous underground-type plastic line marker, located directly over buried line at 6 to 8 inches below finished grade.

### 3.05 INSTALLATION - VALVES, HYDRANTS, BACKFLOW PREVENTERS

- A. Check operation of all valves before installing. Install valves true to line and grade. Install valves in accordance with AWWA C600 and manufacturer's written instructions. Wrap all buried, ferrous metal valves with polyethylene film in conformance with Section 5-4 of AWWA C105/A21.5.
- B. Set valves on solid bearing.
- C. Install valves as indicated with stems pointing up. Provide valve box over underground valves.
- D. Center and plumb valve box over valve. Set box cover flush with finished grade.
- E. Set hydrants plumb; locate pumper nozzle perpendicular to and facing roadway in accordance with Section 21 11 00.
- F. Set hydrants to grade, with nozzles at least 20 inches above ground in accordance with Section 21 11 00.
- G. Locate control valve 4 inches away from hydrant.
- H. Provide a drainage pit 36 inches square by 24 inches deep filled with 2 inches washed gravel. Encase elbow of hydrant in gravel to 6 inches above drain opening. Do not connect drain opening to sewer.
- I. Install backflow preventers in accordance with requirements of local water utility and local authority having jurisdiction.

~~J. Fire Department Connections: Install in accordance with AWWA C600 and manufacturers written instructions.~~





### **3.06 INSTALLATION OF WATER METERS**

- A. Install water meter in accordance with AWWA C600 and/or utility company's installation instructions and requirements. Check operation of all meters before operation. Install in meter boxes where indicated.
- B. Size meter and arrange piping and specialties to comply with utility company's requirements.
- C. Set meter on concrete pad as indicated. Refer to Division 32 for concrete, formwork, and reinforcing material requirements.
- D. Mount meter on wall brackets as indicated.

### **3.07 ROUGH-IN FOR WATER METER**

- A. Install rough-in piping and specialties for water meter installation in accordance with utility company's instructions and requirements.

### **3.08 ANCHORAGE INSTALLATION**

- A. Provide anchorages for tees, plugs and caps, bends, crosses, valves, and hydrant branches.

### **3.09 CORROSION PROTECTIVE COATING APPLICATION**

- A. See Section 330543 - Corrosion Protection.
- B. Comply with NACE SP0169.

### **3.10 IDENTIFICATION INSTALLATION**

- A. During backfilling/top-soiling of underground water piping systems, install continuous underground-type plastic line marker, located directly over buried line at 6 to 9 inches below finished grade.
- B. Attach nonmetallic piping label permanently to main electrical meter panel.

### **3.11 SERVICE CONNECTIONS**

- A. Provide water service to utility company requirements with reduced pressure backflow preventer and water meter with bypass valves and sand strainer.
- B. Tap water main with size and in location as indicated, in accordance with requirements of City standards.
- C. Connections to Plumbing Systems: Make connections of service laterals to plumbing facilities at a location 5 feet outside the building line as indicated. Connections shall be made utilizing standard prefabricated adapters installed in accordance with the pipe manufacturer's recommendations.
- D. Anchor service main to interior surface of foundation wall.

### **3.12 FIELD QUALITY CONTROL**

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.
- B. Perform field inspection and testing in accordance with Section 01 40 00.
- C. Test valves for leakage and alignment prior to backfilling.



- D. Conduct piping tests before joints are covered, and after thrust blocks have sufficiently hardened. Fill pipeline 24 hours prior to testing, and apply test pressure to stabilize system. Use only potable water.
- E. Pressure test water piping to 200 pounds per square inch.
  - 1. PVC Water Pipelines: Test all water lines in accordance with manufacturers recommendations.
  - 2. Increase pressure in 50 psi increments and inspect each joint between increments. Hold at test pressure for one hour, decrease to 0 psi. Slowly increase again to test pressure and hold for one more hour.
  - 3. Test fails if leakage exceeds 2-qts per hour per 100 gaskets or joints, irrespective of pipe diameter.
- F. Pressure test fire line water piping to 200 psi, or 50 psi in excess system working pressure, NFPA 24.
  - 1. Increase pressure in 50 psi increments and inspect each joint between increments. Hold at test pressure within +/- 5 psi for two hours, decrease to 0 psi. Slowly increase again to test pressure and hold for one more hour.
- ~~G. Fire Department Connections: On-site fire department connections shall be tested by the Contractor as directed by the Fire Department having jurisdiction. Perform all tests in the presence assigned Inspector.~~
- H. If tests indicate Work does not meet specified requirements, remove Work, replace and retest at no cost to District.
- I. Submit the completed and approved NFPA 24 Certificate as indicated under Submittals in this section.

### 3.13 CLEANING

- A. Clean and disinfect water-distribution piping as indicated in Section 33 01 10.58 - Disinfecting of Site Water Distribution Piping.

**END OF SECTION**



CHAFFEY COLLEGE  
INTECH WELDING FACILITY

DSA A#: 04-124464  
FILE #: 36-C1  
9400 CHERRY AVENUE, FONTANA, CA 92335



| CODE AND STANDARDS   | PROJECT SCOPE OF WORK  | STATEMENT OF GENERAL CONFORMANCE  | PROJECT DIRECTORY   | SHEET INDEX   |
|--|--|---|---|---|
| <p><b>APPLICABLE CODES</b></p> <p>2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR<br/>2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR<br/>2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR<br/>2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR<br/>2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR<br/>2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR<br/>2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR<br/>2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR<br/>2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR<br/>TITLE 19 CSR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS</p> <p><b>APPLICABLE STANDARDS</b></p> <p>FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80</p>   | <p><b>SCOPE OF WORK INCLUDES:</b></p> <ol style="list-style-type: none"><li>CONSTRUCTION OF A 4,200 SF ENGINEERED METAL WELDING SHOP BUILDING WITH A FACILITY OFFICE AND TWO (2) TOILET ROOMS</li><li>CONSTRUCTION OF AN OUTDOOR WELDING YARD AND COVERED/SCREENED SERVICE YARD &amp; TRASH ENCLOSURE</li><li>CONSTRUCTION OF SITEWORK TO INCLUDE REVISIONS TO EXISTING PARKING AREA, SECURITY SCREEN WALLS, GARDEN SCREEN WALLS, GATES AND A PATH TO AN ENTRANCE AT THE RIGHT OF WAY.</li><li>ELECTRICAL UTILITY, WATER UTILITY, SEWER, AND GAS UTILITY TO SERVICE THE SHOP BUILDING</li></ol> <p><b>CFC SECTION 3503 GENERAL REQUIREMENTS SHALL BE FOLLOWED FOR THIS BUILDING.</b></p> <p>3503.1 GENERAL<br/>HOT WORK CONDITIONS AND OPERATIONS SHALL COMPLY WITH THIS CHAPTER</p> <p>3503.2 TEMPORARY AND FIXED HOT WORK AREAS<br/>TEMPORARY AND FIXED HOT WORK AREAS SHALL COMPLY WITH THIS SECTION.</p> <p>3503.3 HOT WORK PROGRAM PERMIT<br/>HOT WORK PERMITS, ISSUED BY AN APPROVED RESPONSIBLE PERSON UNDER A HOT WORK PROGRAM, SHALL BE AVAILABLE FOR REVIEW BY THE FIRE CODE OFFICIAL AT THE TIME THE WORK IS CONDUCTED AND FOR 48 HOURS AFTER WORK IS COMPLETE.</p> <p>3503.3.1 QUALIFICATIONS OF OPERATORS<br/>A PERMIT FOR HOT WORK OPERATION SHALL NOT BE ISSUED UNLESS THE INDIVIDUALS IN CHARGE OF PERFORMING SUCH OPERATIONS ARE CAPABLE OF PERFORMING SUCH OPERATIONS SAFELY.</p> <p>3503.5 RECORDS<br/>THE INDIVIDUAL RESPONSIBLE FOR THE HOT WORK AREA SHALL MAINTAIN "PREWORK CHECK" REPORTS IN ACCORDANCE WITH SECTION 3504.3.1. SUCH REPORTS SHALL BE MAINTAINED ON THE PREMISES FOR NOT LESS THAN 48 HOURS AFTER WORK IS COMPLETE.</p> <p>3503.6 SIGNAGE<br/>VISIBLE HAZARD IDENTIFICATIONS SIGNS SHALL BE PROVIDED WHERE REQUIRED BY CHAPTER 50. WHERE THE HOT WORK AREA IS OPEN TO PERSONS OTHER THAN THE OPERATOR OF THE HOT WORK EQUIPMENT, CONSPICUOUS SIGNS SHALL BE POSTED TO WARN OTHERS BEFORE THEY ENTER THE HOT WORK AREA. SUCH SIGNS SHALL BE DISPLAY THE FOLLOWING WARNING:<br/>CAUTION<br/>HOT WORK IN PROGRESS<br/>STAY CLEAR</p> | <p>APPLICATION No.: 04-124464<br/>FILE No.: 36-C1</p> <p>THE DRAWINGS IDENTIFIED AS FOLLOWS:</p> <p><input checked="" type="checkbox"/> ALL DRAWING SHEETS INCLUDED IN THIS SET NOT BEARING MY STAMP AND SIGNATURE</p> <p><input checked="" type="checkbox"/> DRAWING SHEETS DENOTED IN THE SHEET INDEX AS FOLLOWS:</p> <p><input checked="" type="checkbox"/> DRAWING SHEETS INCLUDED UNDER THE FOLLOWING PC APPROVAL(S):</p> <p>HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND AUTHORIZED TO PREPARE SUCH DRAWINGS (PLANS) IN THIS STATE. THEY HAVE BEEN EXAMINED BY ME FOR:</p> <ol style="list-style-type: none"><li>DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATORS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND</li><li>COORDINATION WITH MY DRAWINGS (PLANS) AND SPECIFICATIONS IS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.</li></ol> <p>PER TITLE 24, PART 1, SECTION 4-316(B), THIS STATEMENT OF GENERAL CONFORMANCE SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 OF TITLE 24, PART 1.</p> <p>SIGNATURE: MICHAEL STEPHENS DATE: 04/28/2025</p> <p>PRINT NAME: MICHAEL STEPHENS LICENSE NUMBER: C 26450 EXPIRATION DATE: 05/31/2025</p> | <p><b>CIVIL:</b><br/>NAME: SILVER BAR STUDIO<br/>ADDRESS: P.O. BOX 5008-373, MARIPOSA, CA 95338<br/>PHONE: 714-528-5107<br/>CONTACT: CRAIG DUNCAN<br/>EMAIL: CRAIG@SILVERBARSTUDIO.COM</p> <p><b>LANDSCAPE:</b><br/>NAME: SGH ARCHITECTS<br/>ADDRESS: 707 BROOKSIDE AVE, REDLANDS, CA, 92373<br/>PHONE: 909-375-3030<br/>CONTACT: MICHAEL STEPHENS<br/>EMAIL: MSTEPHENS@SGHARCH.COM</p> <p><b>STRUCTURAL:</b><br/>NAME: MIYAMOTO<br/>ADDRESS: 1047 WEST SIXTH STREET, SUITE A, ONTARIO, CA, 91762<br/>PHONE: 916-384-6620<br/>CONTACT: RICK BYRD<br/>EMAIL: RBYRD@MIYAMOTOINTERNATIONAL.COM</p> <p><b>MECHANICAL:</b><br/>NAME: DCGA ENGINEERS<br/>ADDRESS: 4750 EAST ONTARIO MILLS PARKWAY, ONTARIO, CA 91764<br/>PHONE: 909-987-0017<br/>CONTACT: TONY RAMIREZ<br/>EMAIL: TONY.RAMIREZ@DCGAENGINEERS.COM</p> <p><b>ELECTRICAL:</b><br/>NAME: DCGA ENGINEERS<br/>ADDRESS: 4750 EAST ONTARIO MILLS PARKWAY, ONTARIO, CA 91764<br/>PHONE: 909-987-0017<br/>CONTACT: TONY RAMIREZ<br/>EMAIL: TONY.RAMIREZ@DCGAENGINEERS.COM</p> | <p><b>GENERAL</b></p> <p>G0.00 TITLE SHEET<br/>G0.02 SYMBOLS AND ABBREVIATIONS<br/>G1.10 SITE PLAN - CAMPUS<br/>G1.11 SITE PLAN - ACCESSIBILITY SITE PLAN<br/>G1.12 SITE PLAN - FIRE AUTHORITY<br/>G2.11 CODE ANALYSIS - ALLOWABLE HEIGHT, AREA AND PLUMBING FIXTURE COUNTS</p> <p><b>CIVIL</b></p> <p>C-1.1 TITLE SHEET<br/>C-2.1 TOPOGRAPHIC MAP<br/>C-3.1 PRECISE GRADING PLAN<br/>C-4.1 COMPOSITE UTILITIES PLAN<br/>C-5.1 HORIZONTAL CONTROL<br/>C-6.1 DETAIL SHEET<br/>C-6.2 DETAIL SHEET<br/>C-6.3 DETAIL SHEET</p> <p><b>LANDSCAPE</b></p> <p>L1.00 COVER SHEET<br/>L1.01 IRRIGATION PLAN<br/>L2.01 IRRIGATION DETAILS<br/>L2.02 PLANTING PLAN<br/>L2.02 TREE SHADING PLAN</p> <p><b>ARCHITECTURAL</b></p> <p>A1.01 SITE PLAN - DEMOLITION<br/>A1.11 SITE PLAN<br/>A1.31 SITE PLAN - ENLARGED PLANS<br/>A1.32 SITE PLAN - ENLARGED PLANS<br/>A2.11 SLAB PLAN<br/>A2.21 FLOOR PLAN<br/>A3.11 REFLECTED CEILING PLAN<br/>A3.12 REFLECTED CEILING PLAN - NORTH<br/>A4.11 ROOF PLAN<br/>A5.11 EXTERIOR ELEVATIONS<br/>A6.11 SECTIONS - OVERALL BUILDING<br/>A6.31 SECTIONS - WALL<br/>A7.11 ENLARGED PLAN &amp; INTERIOR ELEVATIONS<br/>A8.11 INTERIOR ELEVATIONS<br/>A8.11 SCHEDULE - DOORS, FRAMES, AND WINDOW SCHEDULES<br/>A9.31 SCHEDULE - FINISHES<br/>A10.11 DETAILS - SITE<br/>A10.12 DETAILS - GATES<br/>A10.21 DETAILS - EXTERIOR WALL<br/>A10.28 DETAILS - OPENINGS<br/>A10.41 DETAILS - ROOF PARTITION<br/>A10.51 DETAILS - INTERIOR PARTITIONS<br/>A10.91 DETAILS - MISCELLANEOUS<br/>A10.92 DETAILS - MISCELLANEOUS</p> <p><b>MECHANICAL</b></p> <p>M0.01 MECHANICAL GENERAL NOTES, ABBREVIATIONS &amp; SYMBOLS<br/>M0.02 MECHANICAL SCHEDULES<br/>M0.03 MECHANICAL DETAILS<br/>M2.21 MECHANICAL FLOOR PLAN<br/>M3.21 MECHANICAL ROOF PLAN<br/>M4.01 TITLE 24<br/>M4.02 TITLE 24<br/>M4.03 TITLE 24<br/>M4.04 TITLE 24</p> <p><b>PLUMBING</b></p> <p>P0.01 PLUMBING GENERAL NOTES<br/>P0.02 PLUMBING SCHEDULES AND DETAILS<br/>P2.21 PLUMBING PLAN<br/>P3.21 PLUMBING ROOF PLAN</p> <p><b>STRUCTURAL</b></p> <p>S0.01 GENERAL NOTES<br/>S0.03 GENERAL MATERIAL NOTES<br/>S0.11 TYPICAL FOUNDATION &amp; SOCS DETAILS<br/>S0.13 TYPICAL CONCRETE DETAILS<br/>S0.21 TYPICAL MASONRY DETAILS<br/>S0.31 TYPICAL STRUCTURAL STEEL DETAILS<br/>S0.32 TYPICAL STRUCTURAL STEEL DETAILS<br/>S0.41 TYPICAL METAL DECK DETAILS<br/>S0.43 TYPICAL HANGERS AND BRACING DETAILS<br/>S0.51 TYPICAL COLD-FORMED STEEL DETAILS<br/>S0.52 TYPICAL INTERIOR COLD-FORMED STEEL DETAILS<br/>S0.53 TYPICAL EXTERIOR COLD-FORMED STEEL DETAILS<br/>S2.01 FOUNDATION PLAN<br/>S2.02 ROOF FRAMING PLAN<br/>S5.01 DETAILS<br/>S5.02 DETAILS</p> <p><b>ELECTRICAL</b></p> <p>E0.01 ELECTRICAL GENERAL NOTES<br/>E0.02 ELECTRICAL SYMBOLS LIST AND ABBREVIATIONS<br/>E0.03 LIGHTING FIXTURE SCHEDULE AND NOTES<br/>E0.04 SINGLE LINE DIAGRAM<br/>E0.05 ELECTRICAL SITE PLAN<br/>E1.11 ELECTRICAL SITE PLAN - EV CHARGING<br/>E1.12 SERVICE HARD - ELECTRICAL PLAN<br/>E2.21 LIGHTING PLAN<br/>E2.22 POWER PLAN<br/>E2.23 COMMUNICATION PLAN<br/>E2.24 FIRE ALARM PLAN<br/>E2.25 ELECTRICAL ROOF PLAN<br/>E3.00 COMMUNICATION RISER DIAGRAM<br/>E3.01 FIRE ALARM SYMBOLS &amp; NOTES<br/>E3.02 FIRE ALARM WIRING DIAGRAM DETAILS<br/>E3.03 FIRE ALARM WITING DIAGRAM DETAILS<br/>E3.04 FIRE ALARM RISER DIAGRAM AND BATTERY CALCULATIONS<br/>E4.01 ELECTRICAL DETAILS<br/>E4.02 ELECTRICAL DETAILS<br/>E5.01 PANEL SCHEDULES<br/>E6.01 TITLE 24<br/>E6.02 TITLE 24<br/>E6.03 TITLE 24</p> <p><b>TOTAL</b></p> <p>* FOR ALL DRAWINGS MARKED WITH AN ASTERISK, REFER TO "STATEMENT OF GENERAL CONFORMANCE" ON COVER SHEET G0.00</p> |
| <p><b>WELDING BOOTH DESIGN CRITERIA</b></p> <p>WELDING BOOTH SHALL BE DESIGNED FOR SEISMIC FORCES IN ACCORDANCE WITH ASCE 7 CHAPTER 15 AND WIND FORCES IN ACCORDANCE WITH ASCE 7. SEISMIC FORCE RESISTANCE IN ACCORDANCE WITH CHAPTER 15 IS GOVERNED BY ASCE 7 SECTION 13.1.5 REGARDLESS OF WHETHER THE BOOTH FALLS BELOW THE 25% MASS THRESHOLD DEFINED IN ASCE 7 SECTIONS 13.1.1 AND 13.3.1 IN THE ABSENCE OF A DEFINED LATERAL FORCE RESISTING SYSTEM. THE BOOTH IS PERMITTED TO BE DESIGNED IN ACCORDANCE WITH THE DESIGNATION OF "ALL OTHER SELF-SUPPORT STRUCTURES" IN ASCE 7 TABLE 15.4-2 (R+1.25).</p>   |  |   |   |   |
| <p><b>DSA REGULATIONS NOTES</b></p> <ol style="list-style-type: none"><li>ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) PARTS 1 TO 6, 9, 11 AND 12.</li><li>CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.</li><li>ALL SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT (CCD) OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION. SECTION 4-338, PART 1, TITLE 24, CCR. SUBSTITUTIONS SHALL BE FOR ANY MATERIAL, SYSTEM OR PRODUCT THAT WOULD OTHERWISE BE REGULATED BY DSA.</li><li>A "DSA CERTIFIED" CLASS 1, PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER), AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.</li><li>A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.</li><li>THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c), PART 1, TITLE 24, CCR).</li><li>GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</li><li>A COPY OF CCR TITLE 24, PARTS 1-6, 9, 11 AND 12 SHALL BE KEPT ON SITE DURING CONSTRUCTION.</li><li>A COPY OF THE APPROVED DRAWINGS, SPECIFICATIONS, ADDENDUMS AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE KEPT ON SITE DURING CONSTRUCTION.</li><li>FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH CBC CHAPTER 33 AND CFC CHAPTER 33.</li><li>THE CONTRACTOR SHALL PROVIDE CLEAN, SANITARY, TEMPORARY TOILET FACILITIES FOR THE CONSTRUCTION PERSONNEL. UNDER NO CIRCUMSTANCES SHALL CONSTRUCTION PERSONNEL BE ALLOWED TO UTILIZE THE PERMANENT SITE FACILITIES. ALL TEMPORARY FACILITIES SHALL BE REMOVED FROM THE SITE AT THE CONCLUSION OF CONSTRUCTION.</li></ol> | <p>THE FOLLOWING COMPONENTS SHALL BE SUBMITTED BY THE CONTRACTOR FOR DEFERRED DSA APPROVAL:</p> <p><b>1. WELDING BOOTH (SEE WELDING DESIGN CRITERIA)</b></p> <p><b>NOTE:</b> FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.</p> <p>ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.</p> <p>A LISTING OF CERTIFIED ATT CAN BE FOUND AT: <a href="https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance">https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance</a>.</p> <p>THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.</p> <p>PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.</p>  | <p><b>CALIFORNIA ENERGY CODE</b></p> <p>THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.</p> <p>LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).</p> <p>MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.</p> <p>ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.</p>   | <p><b>VICINITY MAP</b></p>  | <p><b>KEY PLAN</b></p>  |

CONSULTANT:

TITLE SHEET

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS:



**sg**  
ARCHITECTS

PROJECT NUMBER: 23-01-02-00

PROJECT STATUS:

SHEET ISSUED: 06/28/2025

DELTA: DATE

ADDENDUM 1

G0.00



GRADING GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE, AND THE CALIFORNIA INVESTIGATION PREPARED BY GEOWEST, INC. PROJECT NUMBER WY14-09-10, DATED DECEMBER 23, 2014. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (PWP) GREEN BOOK, LATEST EDITION AND AMENDMENTS. WHENEVER SPECIAL REQUIREMENTS CONFLICT ON ANY SUBJECT MATTER, THE ENGINEER OF RECORD AND/OR THEIR REPRESENTATIVE WILL DETERMINE WHICH SPECIAL REQUIREMENT AND/OR CODE WILL GOVERN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING AND DISPOSAL OF THE PROPOSED WORK AREA.
- DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS IN ACCORDANCE WITH CITY, COUNTY, AND STATE ORDINANCES AND STATUTES.
- NO FILL SHALL BE PLACED ON THE EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, DELETERIOUS MATERIAL, AND PREPARED PER THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT.
- CUT AND FILL SLOPES SHALL BE NO STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL, ANY CUT SLOPE THAT IS NOT STABLE SHALL BE OVEREXCAVATED AND RECOMPACTED AS INDICATED BY PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT.
- FILLS SHALL BE COMPACTED THROUGHOUT TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557-12 AND CERTIFIED BY THE GEOTECHNICAL ENGINEER.
- AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND APPROVED BY THE GEOTECHNICAL ENGINEER OR THEIR REPRESENTATIVE PRIOR TO PLACING OF FILL.
- ALL EXISTING FILLS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND STATE INSPECTOR OR THEIR REPRESENTATIVE BEFORE ANY ADDITIONAL FILLS ARE ADDED.
- THE EXISTING IRRIGATION LINES AND CISTERNS SHALL BE REMOVED, BACKFILLED, AND APPROVED BY THE GRADING INSPECTOR AND GEOTECHNICAL ENGINEER.
- SLOPES EXCEEDING FIVE FEET IN HEIGHT MUST BE PLANTED WITH AN APPROVED IRRIGATION SYSTEM UNLESS OTHERWISE NOTED ON LANDSCAPE ARCHITECT'S PLANS.
- THE STOCKPILING OF EXCESS MATERIAL SHALL BE APPROVED BY THE OWNER IF IT IS TO BE ON-SITE AND THE AGENCY WITH JURISDICTION IF IT IS TO BE OFF-SITE.
- ALL TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE SITE GEOTECHNICAL ENGINEER AND PER THE APWA.
- ALL CUT SLOPES SHALL BE INVESTIGATED BOTH DURING AND AFTER GRADING BY AN ENGINEERING GEOLOGIST TO DETERMINE IF ANY SLOPE STABILITY PROBLEM EXISTS. SHOULD EXCAVATION DISCLOSE ANY GEOLOGICAL HAZARDS OR POTENTIAL GEOLOGICAL HAZARDS, THE ENGINEERING GEOLOGIST SHALL RECOMMEND NECESSARY TREATMENT TO THE PROJECT ARCHITECT FOR APPROVAL.
- WHEN CUT PILES ARE BROUGHT TO NEAR GRADE, THE ENGINEERING GEOLOGIST SHALL DETERMINE IF THE BEDROCK IS EXTENSIVELY FRACTURED OR FAULTED AND WILL READILY TRANSMIT WATER, IF CONSIDERED NECESSARY BY THE ENGINEERING GEOLOGIST AND GEOTECHNICAL ENGINEER, A COMPACTED FILL BLANKET WILL BE PLACED.
- THE FINAL COMPACTION REPORT AND APPROVAL FROM THE GEOTECHNICAL ENGINEER SHALL CONTAIN THE TYPE OF FIELD TESTING PERFORMED, THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE, NUCLEAR GAGE, OR DRIVE RING SHALL BE SO NOTED FOR EACH TEST. SUFFICIENT MAXIMUM DENSITY DETERMINATIONS SHALL BE PERFORMED TO VERIFY THE ACCURACY OF THE MAXIMUM DENSITY CURVES USED BY THE FIELD TECHNICIAN.
- SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.
- THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION, ESPECIALLY DURING STORM CONDITIONS AND APPROVED PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE CONSTRUCTED TO ADDONING PROPERTIES DURING THE GRADING PROJECT. IN ALL CASES, THE CONTRACTOR AND/OR DEVELOPER SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.
- ANY WATER WELLS SHALL BE ABANDONED IN COMPLIANCE WITH THE COUNTY STANDARDS AND IN ACCORDANCE WITH THE STATE DEPARTMENT OF WATER RESOURCES.
- ANY EXISTING SEWERS, CESSPOOLS, AND SEPTIC TANKS OR OTHER SEWAGE DISPOSAL FACILITIES SHALL BE ABANDONED IN COMPLIANCE WITH THE CALIFORNIA PLUMBING CODE AND TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER AND GRADING INSPECTOR.
- EXPORT SOILS MUST GO TO A LEGAL DUMP SITE OR TO A PERMITTED SITE APPROVED BY THE LOCAL AGENCY HAVING JURISDICTION.
- PERMISSION IS REQUIRED FROM THE ADJACENT PROPERTY OWNER WHENEVER WORK IS PROPOSED ACROSS THE PROPERTY LINE.
- ANY DIRT, ROCK OR CONSTRUCTION MATERIAL THAT MAY BE TRACKED OR DROPPED WITHIN THE PUBLIC RIGHT-OF-WAY DURING THE TRANSPORTATION OF SAID MATERIAL OR EQUIPMENT ASSOCIATED WITH THE PROJECT SHALL BE CLEANED OR REMOVED DAILY.
- DIRT ACCESS RAMPS OVER CURBS AND GUTTER TO CONSTRUCTION SITE ARE NOT ALLOWED. WHEN NECESSARY FOR ENTRANCE TO SUCH CONSTRUCTION SITES, ASPHALT RAMPS WITH A MINIMUM 2" DIAMETER PIPE WILL BE CONSTRUCTED TO CONVEY GUTTER DRAINAGE, ALL BASE, GRAVEL, SOIL, OR OTHER MATERIAL CARRIED INTO THE ROADWAY BY CONTRACTORS PERSONNEL OR EQUIPMENT WILL BE CLEANED AS NECESSARY AND NO LESS THAN ONCE A DAY. TRUCKS Hauling BASE, GRAVEL, FILL, OR EXPORT MATERIALS WITHIN CITY LIMITS WILL BE TAIRED AS NECESSARY TO PREVENT MATERIAL FROM SPILLING INTO THE ROADWAY.
- PRIOR TO ANY CONSTRUCTION WHICH INVOLVES HAZARDOUS CONDITIONS, THE CONTRACTOR SHALL FIRST OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (DOSH).
- PROPOSED REVISIONS TO THE GRADING PLAN SHALL BE DRAWN IN RED PENCIL ON BLUELINES OF THE APPROVED PLAN. THESE BLUELINES ARE THEN TO BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL. ONLY AFTER THE BLUELINE APPROVAL IS GIVEN SHOULD THE ORIGINALS BE AS-BUILT BY THE CONTRACTOR/CM.
- RULE 401, AIR QUALITY CONTROL MANAGEMENT DISTRICT, MUST BE IMPLEMENTED BY CONTRACTORS DURING CONSTRUCTION.
- CONSTRUCTION ACTIVITIES SHALL OCCUR ONLY BETWEEN THE HOURS OF 7:00 A.M. AND 7:00 P.M. MONDAY THROUGH FRIDAY, AND BETWEEN THE HOURS OF 9:00 A.M. AND 6:00 P.M. ON SATURDAYS. NO CONSTRUCTION ACTIVITIES SHALL BE PERMITTED OUTSIDE OF THESE PERMITTED HOURS OR ON SUNDAY AND FEDERAL HOLIDAYS.
- CONSTRUCTION PARKING SHALL BE ON-SITE. TRAFFIC CONTROL AND ACCESS SHALL BE IN ACCORDANCE WITH THE GENERAL CONSTRUCTION REQUIREMENTS.
- TRUCKS AND LARGE CONSTRUCTION VEHICLES WILL OBTAIN APPROVED TRUCK ROUTES FROM THE CITY AND/OR THE COUNTY.
- THE CONTRACTOR SHALL CONTROL DUST IN AREAS USED FOR OFF-ROAD TRAVEL, MATERIALS LAYDOWN OR THOSE AWAITING FUTURE CONSTRUCTION. FREQUENTLY ACCESSSED AREAS SHALL BE PAVED AS EARLY AS POSSIBLE TO MINIMIZE DIRT TRACKOUT TO THE PUBLIC RIGHT OF WAY.
- THE CONTRACTOR SHALL UTILIZE MEASURES TO PREVENT DIRT FROM BEING TRACKED, WASHED BLOWN OR OTHERWISE CONVEYED INTO PAVED ROADWAYS, AND WILL WASH OR SWEEP CONSTRUCTION ACCESS POINTS ON A ROUTINE BASIS AS SPECIFIED BY THE COUNTY AT A PRE-AGREED MEETING AS WELL AS WHENEVER DIRT IS VISIBLE MORE THAN 10 FEET FROM THE ACCESS POINT INDEPENDENT OF THE ROUTINE CLEAN-UP SCHEDULE.
- TRUCKS USED IN HAULING DIRT TO OR FROM THE SITE ON PUBLIC ROADS WILL BE COVERED OR WILL MAINTAIN A SIX INCH DIFFERENCE BETWEEN THE HEIGHT OF ANY HAULED MATERIAL, AND THE TOP OF THE TRAILER. HAUL TRUCK DRIVERS WILL LOAD PRIOR TO LEAVING THE SITE TO PREVENT SOIL LOSS DURING TRANSPORTATION.
- POST CONSTRUCTION (10) PRINCIPLES, TREATMENT CONTROL AND/OR LID BMPs, ONCE PLACED INTO OPERATION FOR POST-CONSTRUCTION WATER QUALITY CONTROL, SHALL NOT BE USED TO TREAT RUNOFF FROM CONSTRUCTION SITES OR UN-STABILIZED AREAS OF THE SITE.

ASPHALT PAVING GENERAL NOTES

- A PRE-PAVING MEETING IS REQUIRED 48 HOURS PRIOR TO PAVING. THE PROJECT INSPECTOR SHALL BE IN ATTENDANCE.
- THE AGGREGATE BASE SECTION SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY. MAXIMUM AND FIELD DENSITY TO BE DETERMINED IN ACCORDANCE WITH ASTM D1557-12 MODIFIED.
- A "TACK COAT" (PAINT BINDER) SHALL BE APPLIED BETWEEN PAVEMENT LAYERS, AND ON EXISTING PAVEMENT TO BE RESURFACED AT A RATE OF 0.10 GALS/SQ YD. THE TACK COAT SHALL BE A TYPE SSI ASPHALT EMULSION.
- THE ASPHALT CONCRETE FOR PARKING LOTS SHALL BE CLASS C2 AS SPECIFIED IN SECTION 203-4. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST APPROVED EDITION. THE PAVING AGGREGATE TO BE MIXED WITH AGGREGATE SHALL CONFORM TO THE PROVISIONS OF SECTION 203-1 AND SHALL BE STEAMED, RETIRED ASPHALT WITH A PERFORMANCE GRADE OF PG-64-10 TO THE SATISFACTION OF THE ENGINEER.
- ASPHALT CONCRETE PAVEMENT SHALL BE DISTRIBUTED AND SPREAD IN ACCORDANCE WITH SECTION 302-5.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. THE MAXIMUM LIFT DURING SPREADING SHALL BE 3" COMPACTED THICKNESS.
- A QUALIFIED PAVING INSPECTOR IS REQUIRED DURING PAVING OPERATIONS AT THE JOB SITE AND AT THE ASPHALT PLANT. ASPHALT TICKETS SHALL BE PROVIDED TO THE INSPECTOR FOR ALL LOTS.
- ALL ASPHALT AREAS SHALL BE PAVED AT A MINIMUM GRADIENT OF 1.25%.

DEMOLITION GENERAL NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND SHALL REMOVE AND DISPOSE OF ALL STRUCTURES ABOVE AND OR BELOW GROUND, ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE HANDLED AND REMOVED AS REQUIRED BY LOCAL AND OR STATE LAWS.
- EXISTING WATER LATERALS AND IRRIGATION LINES SHALL BE CUT AND CAPPED AT THE LIMIT OF THE DEMO AREA SHOWN. ALL WATER SERVICES SHALL BE TERMINATED IN A FLUSH UTILITY BOX FOR FUTURE ACCESS.
- EXISTING SEWER LATERALS SHALL BE CUT AND PLUGGED AT THE LIMIT OF THE DEMO AREA SHOWN. ALL PLUGGED ENDS FOR LATERALS WILL BE BROUGHT TO GRADE WITH A STANDARD SEWER CLEANOUT.
- EXISTING ELECTRICAL LINES SHALL BE TEMPORARILY REROUTED AROUND THE LIMITS OF THE DEMO AREA. ALL TEMPORARY WIRING CONNECTIONS SHALL BE TERMINATED IN AN ABOVE GROUND RISER.
- THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HARDCAPE IMPROVEMENTS, UTILITY FACILITIES, AND LANDSCAPING FEATURES THAT ARE NOT TO BE REMOVED.
- ALL JOIN LINES SHALL BE SAW CUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RE CUT PRIOR TO JOINING.
- ALL EXISTING OBJECTABLE MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, UTILITIES AND APPURTENANCES, TREES, BONS, AND STRUCTURES, ETC. SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR, UNLESS OTHERWISE INDICATED HEREIN, OR AS DIRECTED BY THE ARCHITECT OR ENGINEER.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING CONCRETE FROM DAMAGE CAUSED BY THEIR OPERATIONS. ANY CONCRETE DAMAGED DURING THEIR OPERATIONS SHALL BE SAWCUT AND REPLACED AT NO COST TO THE OWNER. ANY EXISTING CONCRETE IDENTIFIED AS POTENTIALLY NEEDING TO BE REPLACED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OR THE OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS AS NECESSARY TO COMPLETE THE WORK, INCLUDING TRANSPORTATION AND DISPOSAL OF ALL REMOVED MATERIALS, AND ALL ASSOCIATED COSTS.
- REMOVE OR RELOCATE ALL EXISTING ITEMS WITHIN LIMITS OF REMOVAL THAT ARE NOT WITHIN CIVIL SCOPE PER APPROPRIATE CONSULTANTS PLANS AND SPECIFICATIONS.
- IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION BASED ON THE PROPOSED IMPROVEMENTS SHOWN IN THE SET OF PLANS.

ACCESSIBILITY NOTES

- ALL SLOPES IN THE DIRECTION OF TRAVEL SHOWN ON THIS PLAN WERE DESIGNED BELOW THE MAXIMUM ALLOWED GRADIES BY THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (2010 ADAS OR CBC) IN ORDER TO ALLOW FOR CONSTRUCTION TOLERANCES. IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO FAMILIARIZE THEMSELVES WITH THE ADAS AND CBC AND IN THE EVENT THAT A DESIGN QUESTION SHOULD ARISE, OR A FIELD CONDITION PRESENT ITSELF THAT IS DIFFERENT THAN SHOWN ON THESE PLANS, WORK SHOULD CEASE AND THE DESIGN ENGINEER SHALL BE NOTIFIED SO THAT AN ACCEPTABLE SOLUTION CAN BE DETERMINED.
- THE CONTRACTOR IS ADVISED TO CAREFULLY CHECK ALL PHASES OF WORK RELATING TO ACCESSIBILITY FOR THIS PROJECT. SINCE THE CODE DOES NOT ALLOW FOR A CONSTRUCTION TOLERANCE, ANY CONSTRUCTION THAT EXCEEDS MAXIMUM OR MINIMUM DIMENSIONS AND SLOPES AS CALLED OUT BY CBC OR ADAS ARE SUBJECT TO REJECTION BY THE INSPECTOR AND SHALL BE REMOVED AND RE-ERECTED.
- SINCE THE CIVIL ENGINEER OR SURVEYOR CANNOT CONTROL THE EXACT METHODS OR MEANS USED BY THE GENERAL CONTRACTOR OR THEIR SUB-CONTRACTORS DURING THE GRADING AND CONSTRUCTION OF THE PROJECT, THE CIVIL ENGINEER OR SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE FINAL ACCEPTANCE OF ADAS RELATED ITEMS OF THIS PROJECT BY THE INSPECTING AUTHORITY OR OTHER AFFECTED PARTIES.
- COMPLIANCE WITH THE CONSTRUCTION REQUIREMENTS FOR ACCESSIBILITY WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THEIR SUB-CONTRACTORS.

FIRE SYSTEM GENERAL NOTE

- PRIOR TO INSTALLATION, ALL PLANS AND SPECIFICATION SHALL BE APPROVED BY DSA. REFER TO DSA IR A-25 FOR DESIGN, INSTALLATION AND MAINTENANCE GENERAL REQUIREMENTS.
- INSPECTIONS ARE REQUIRED: 1) PRIOR TO POURING THURST BLOCKS, 2) FOR HYDROSTATIC TESTING, AND 3) FOR FLUSH.
- INSTALLATION, INSPECTION, AND TESTING SHALL CONFORM TO 2022 NFPA 13 AND 2022 NFPA 24 & 2022 CFC.
- PRIVATE FIRE HYDRANTS SHALL BE APPROVED WET BARREL STYLE WITH A MINIMUM OF TWO 2-1/2" AND ONE 4" OUTLET. THE 4" OUTLET SHALL FACE THE FIRE DEPARTMENT ACCESS ROAD. ALL OUTLETS SHALL BE PROVIDED WITH NATIONAL STANDARD THURST (NST), NFPA 24, 7.1.2.
- FIRE HYDRANT SUPPLY PIPING SHALL BE MINIMUM 6" IN DIAMETER. LATERALS SHALL BE MINIMUM 4" IN DIAMETER. THE LOWEST OPERATING HOSE OUTLET SHALL BE A MINIMUM OF 18" ABOVE GRADE AND THE HYDRANT FLANGE SHALL BE A MINIMUM OF 2" ABOVE GRADE. NFPA 24, 5.2.1, 7.1.1.1 & 7.3.3.
- FIRE HYDRANTS SHALL BE A MINIMUM OF 40 FEET FROM ALL STRUCTURES. NFPA 24, 7.2.3.
- A KEYED GATE VALVE SHALL BE PROVIDED FOR EACH HYDRANT IN AN ACCESSIBLE LOCATION. VALVES SHALL NOT BE LOCATED IN PARKING STALLS. NFPA 24, 7.1.1.2.
- ALL PIPING SHALL BE LISTED FOR USE IN FIRE PROTECTION SERVICE AND COMPLY WITH ANWIA STANDARDS (CLASS 225 DR-19 MINIMUM CLASS 305 DR-4 1200 PSI). PIPE SHALL BE USED WHERE THE PRESSURE MAY EXCEED 100 PSI. NFPA 24, 10.1.1.4 & 10.1.2.
- ALL BOLTED JOINTS SHALL BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION RETARDING MATERIAL AFTER INSTALLATION. NFPA 24, 10.4. ALL FERROUS PIPE AND FITTING SHALL BE PROTECTED WITH LOOSE L AML POLYETHYLENE TUBE. THE ENDS OF THE TUBE AND ANY SPICES MADE FOR T'S OR OTHER PIPING COMPONENTS SHALL BE SEALED WITH 2" TAPE, APPROVED FOR UNDERGROUND USE.
- BACKFILL SHALL BE WELL TAMPED LAYERS TO CONSIST OF: 6" MINIMUM BED OF CLEAN FILL SAND OR PEA GRAVEL BELOW AND 12" ABOVE THE PIPE (TOTAL OF 18" MINIMUM). NFPA 24, 10.9.
- FITTINGS SHALL BE AN APPROVED TYPE. NFPA 24, 10.2.
- MINIMUM FIRE LINE COVER FROM FINISH GRADE TO THE TOP OF PIPE SHALL BE 48" WHERE REQUIRED. FIRE LINES MAY HAVE A MINIMUM COVER OF 30" IN NON TRAFFIC AREAS AND A MINIMUM COVER OF 30" IN TRAFFIC AREAS. NFPA 24, 10.4.2.2.3 & 10.4.2.2.3.1.
- THURST BLOCKS SHALL BE PROVIDED WHEREVER PIPE CHANGES DIRECTION EITHER HORIZONTAL OR VERTICALLY. BACKFILL BETWEEN THE JOINTS TO PREVENT MOVEMENT OF THE PIPE. PROVIDE DETAILS AND CALCULATIONS FOR SIZING THURST BLOCKS BASED ON ACTUAL SOIL CONDITIONS. NFPA 24, 10.3.1.
- A HYDROSTATIC TEST, 200 PSI FOR TWO HOURS OR 30 PSI OVER MAXIMUM STATIC PRESSURE, WHICHEVER IS GREATER SHALL BE PERFORMED. NFPA 24, 10.12.2.1.
- THE SYSTEM SHALL BE THOROUGHLY FLUSHED BEFORE CONNECTION IS MADE TO OVERHEAD PIPING. FLOW SHALL BE THROUGH A MINIMUM OF 4" HOSE OF PIPE UNLESS OTHERWISE APPROVED BY THE DEPUTY STATE FIRE MARSHAL. A DEPUTY STATE FIRE MARSHAL SHALL WITNESS THE TEST. NFPA 24, 10.12.1.
- ALL CONTROL VALVES SHALL BE LOCKED IN THE OPEN POSITION. VALVES SHALL BE MONITORED IF THEY SERVE 6 OR MORE SPRINKLER HEADS. CFC 303.4.
- ALL CONTROL VALVES SHALL BE LISTED INDICATING TYPE UNLESS A NON-INDICATING VALVE, SUCH AS AN UNDERGROUND GATE VALVE WITH APPROVED ROADWAY BOX COMPLETE WITH 1" WRENCH, IS ACCEPTABLE TO AUTHORITY HAVING JURISDICTION. (A4), NFPA 24, 6.1.1.
- THE POST INDICATOR VALVES (PIV) SHALL BE TESTED TO INSURE THAT THE "TARGETS" (OPEN, CLOSED) ARE CLEARLY IDENTIFIED WHEN VALVE IS OPENED OR CLOSED. NFPA 24, 6.3.1, 10.10.2.4.8 & 14.1.
- TESTS SHALL BE MADE BY THE INSTALLING CONTRACTOR IN THE PRESENCE OF THE (A4), PROVIDED A CLEARED CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING IS USA, NFPA 24, 10.10.14.14.1, CFC 301.5 & 6.
- ALL FIRE HYDRANTS SHALL HAVE A 3-FOOT CIRCUMFERENCE OF CLEAR SPACE AND AN 18 INCH CLEARANCE FROM THE CENTER OF THE 4 1/2" DISCHARGE TO FINISHED GRADE LEVEL. CFC 307.5.5.
- ALL FIRE HYDRANTS SHALL BE INSTALLED WITH BREAK-OF BOLTS AND/OR BREAK-OFF SPOOLS.
- ALL MECHANICAL JOINTS ON FIRE SERVICE LINES AND FIRE SPRINKLER LATERALS SHALL BE CLEANED AND THOROUGHLY COATED WITH CORROSION RETARDING MATERIAL. NFPA 24, 10.6.2.5.
- BOLTS USED FOR UNDERGROUND CONNECTIONS SHALL BE STAINLESS STEEL.
- THE POST INDICATOR VALVES (PIV) SHALL BE SET SO THAT THE TOP OF THE POST WILL BE 32" TO 40" ABOVE FINISHED GRADE. NFPA 24, 6.3.1.

UTILITY GENERAL NOTES

- ALL WATER LINES 3" AND SMALLER SHALL BE SCHEDULE 40 PVC, PER ASTM D-1784 WITH SOLVENT WELD FITTINGS. ALL WATER LINES 4" AND GREATER SHALL BE CLASS 225 C900 PVC.
- WATER MAIN AND SEWER MAIN CROSSESS SHALL COMPLY WITH STATE AND COUNTY HEALTH DEPARTMENT REGULATIONS. WATER SERVICE LINES AND SEWER LATERALS SHALL NOT BE IN THE SAME TRENCH. WATER AND SEWER LINES ON-SITE SHALL HAVE A TEN-FOOT MINIMUM HORIZONTAL CLEARANCE WHENEVER POSSIBLE. WATER MAINS SHALL CLEAR ABOVE ALL SEWER LATERALS BY A MINIMUM OF ONE FOOT VERTICAL CLEARANCE OR UNDER BY 3" MINIMUM WHEN WATER LINE CROSSES UNDER SEWER, OR MINIMUM CLEARANCE UNDER SEWER IS NOT ACHIEVED. SEWER SHALL BE ENCASED IN CONCRETE 10" EACH SIDE OF CROSSING.
- MINIMUM WATER LINE COVER FROM FINISH GRADE TO THE TOP OF PIPE SHALL BE 30" OF COVER. MINIMUM FIRE LINE COVER FROM FINISH GRADE TO THE TOP OF PIPE SHALL BE 48" COVER WHERE REQUIRED. FIRE LINES MAY HAVE A MINIMUM COVER OF 30" IN NON TRAFFIC AREAS AND A MINIMUM COVER OF 30" IN TRAFFIC AREAS PER NFPA 24.
- THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TESTS OF ALL TRENCH BACKFILL AND SUBMIT THEM TO THE CONSTRUCTION MANAGER FOR APPROVAL. ALL BEDDING SHALL HAVE A SAND EQUIVALENT OF 10 OR BETTER.
- WATER SERVICE CONNECTION TO THE BUILDINGS SHALL BE INSTALLED BY THE BUILDING PLUMBING CONTRACTOR.
- MINIMUM BEARING AREA FOR THURST BLOCKS SHALL BE ACCORDING TO THE THURST BLOCK SCHEDULE SHOWN ON THESE PLANS.
- A PIPE "DEFLECTOR" OR "REROUNDER" SHALL NOT BE USED TO REROUND OVERDEFLECTED PIPES.
- ALL VALVE AND CLEAN OUT COVERS TO HAVE TRAFFIC RATED VANDAL PROOF COVERS AND ADJUSTED BY CONTRACTOR TO FINISH GRADE AFTER PAVING. ALL COVERS SHALL INDICATE "S" FOR SEWER, "W" FOR WATER, AND "SD" FOR STORM DRAIN.
- ALL UNDERGROUND FERROUS METALS ARE TO BE PROTECTED FROM CORROSION WITH 40 MIL EXTRUDED POLYETHYLENE 20 MIL PLASTIC TAPE OVER PRIMER PER ANWIA STANDARD C205, OR HOT APPLIED COAL TAR ENAMEL OR TAPE PER ANWIA STANDARD C203.
- BARRE STEEL APPURTENANCES SUCH AS BOLTS, JOINT HARNESSSES OR FLEXIBLE COUPLINGS SHOULD BE COATED WITH A COAL TAR OR RUBBER-BASED MASTIC AFTER ASSEMBLY.
- THE CONTRACTOR SHALL EXPOSE ALL EXISTING WATER & SEWER PIPELINES AT PROPOSED CONNECTION POINTS TO CONFIRM MATERIAL, TYPE, LOCATION, AND ELEVATION PRIOR TO BEGINNING CONSTRUCTION.
- ALL UNDERGROUND PIPES LINES SHALL HAVE UNDERGROUND WARNING TAPE PLACED 12" ABOVE THE LINES IN THE TRENCH. NON-METALLIC LINES SHALL HAVE METALLIC LINED TAPE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR AND COORDINATE THE RELOCATION OF ANY EXISTING UTILITIES DEEMED NECESSARY BY THE PROPOSED IMPROVEMENT.
- WHENEVER IT BECOMES NECESSARY TO TUNNEL UNDER EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL SUBMIT THOSE IMPROVEMENTS IN A MANNER APPROVED BY THE PROJECT ENGINEER OR THE CONTRACTOR SHALL SAWCUT, REMOVE AND REPLACE THOSE IMPROVEMENTS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BY POT-HOLING OR OTHER MEANS. CONTRACTORS SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) 800/677-3800 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO LOCATE EXISTING UTILITIES.
- THE CONTRACTOR SHALL OBTAIN ANY REQUIRED U.S.A. PERMITS PRIOR TO ANY EXCAVATIONS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. SHOULD CONDITIONS EXIST WHICH ARE CONTRARY TO THOSE SHOWN ON PLANS, THE ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH WORK.
- PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE, EXISTING SURVEY MONUMENTS SHALL BE NOTED AND DOCUMENTED BEFORE CONSTRUCTION. IF MONUMENTS ARE DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL PAY A REGISTERED LICENSED LAND SURVEYOR OR ENGINEER TO RESET SUCH MONUMENTS, UNLESS OTHERWISE SPECIFIED OR DESIGNATED.
- ALL SEWER PIPES SHALL BE INSTALLED AT STRAIGHT GRADIES BETWEEN INVERT ELEVATIONS INDICATED. ALL SEWER AND STORM DRAIN CONNECTIONS SHALL BE MADE WITH WYES. TEES SHALL NOT BE USED. ALL PIPES SHALL BE LAID WITH BELL END OF PIPE FACING UPSTREAM.
- ALL CHANGES IN HORIZONTAL ALIGNMENT OF SEWER PIPE SHALL BE ACCOMPLISHED BY USE OF MANUFACTURED FITTINGS AND ELBOWS, AND WHERE ADDITIONALLY NECESSARY, PIPE JOINT DEFLECTIONS WITHIN ALLOWABLE LIMITS PER THE PRODUCT SPECIFICATIONS.
- ALL WET UTILITY TRENCHES, BEDDING AND BACKFILL SHALL CONFORM TO SECTION 306-1.2.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. SUBSTITUTION OF BEDDING MATERIAL SHALL BE APPROVED BY THE PROJECT CIVIL ENGINEER.
- THE CONTRACTOR SHALL PERFORM TESTING, FLUSHING AND DISINFECTING OF SYSTEMS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL PREPARE A COMPLETE SET OF "AS-BUILT" DRAWINGS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- ALL PIPE SIZE REFERENCES ARE MINIMUM INSIDE DIAMETER SIZE. HORIZONTAL DIMENSIONS SHOWN ON THESE PLANS ARE TO CENTERLINE OF PIPES.
- NATURAL GAS SERVICE LINES MAY BE INSTALLED IN A COMMON TRENCH WITH WATERLINES IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- DRINKING FOUNTAIN AND IRRIGATION APPURTENANCES SHOWN HEREON ARE APPROXIMATE AND THE CONTRACTOR SHALL REFER TO THE ARCHITECTS AND LANDSCAPE ARCHITECTS PLANS FOR THE EXACT LOCATION.
- CLEANOUTS FOR SEWER AND STORM DRAIN UTILITIES SHALL BE INSTALLED PER THE UPC, LATEST EDITION, WHETHER GRAPHICALLY INDICATED OR NOT. AT INTERVALS OF 100 FEET IN STRAIGHT RUNS, OTHERWISE AT EVERY HORIZONTAL AND VERTICAL ANGLE POINT AND AT ALL CHANGES IN PIPE SIZE. ALL OTHER CLEANOUTS SHOWN ON PLAN ARE AS DEEMED NECESSARY BY THE DESIGN ENGINEER AND ARE NOT TO BE OMITTED.

PRIVATE ENGINEER'S NOTICE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS "CONSTRUCTION SAFETY ORDERS". THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDemnIFY AND HOLD THE OWNER AND THE CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OR EXCAVATION TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION TO THESE LINES.

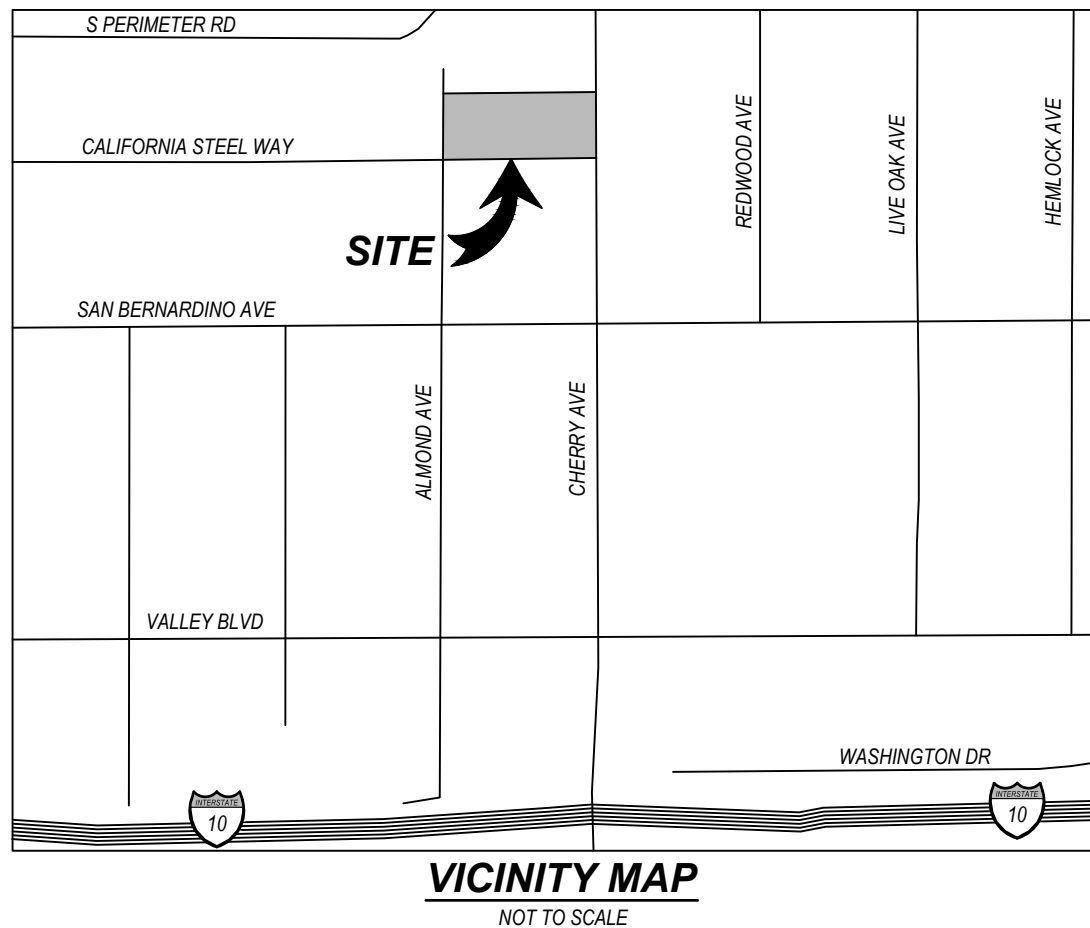
GRADING DEMOLITION NOTES

- PROTECT IN PLACE EXISTING ITEM
- SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT
- SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE CURB, GUTTER, AND/OR SIDEWALK

| SHEET INDEX |                          |
|-------------|--------------------------|
| SHEET TITLE | SHEET DESCRIPTION        |
| C-1.1       | TITLE SHEET              |
| C-2.1       | TOPOGRAPHIC MAP          |
| C-3.1       | PRECISE GRADING PLAN     |
| C-4.1       | COMPOSITE UTILITIES PLAN |
| C-5.1       | HORIZONTAL CONTROL       |
| C-6.1       | DETAIL SHEET             |
| C-6.2       | DETAIL SHEET             |
| C-6.3       | DETAIL SHEET             |

GRADING CONSTRUCTION NOTES

- PROTECT IN PLACE EXISTING ITEM
- ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE
- JOIN PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION, MATCH GRADE, DOWELING FOR PCC ONLY
- GRIND AND OVERLAY EXISTING ASPHALT SURFACE 6 1/2" MINIMUM PER DETAIL "A" ON SHEET C-6.1, WITH FLUSH TRANSITION, MATCH GRADE
- SEE SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT
- CONSTRUCT 4" AC OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION, AND 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION. FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS
- CONSTRUCT 4" PCC (800 C-2500) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION, WITH #3 BARS 18" O.C. BOTH WAYS, OVER 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION, WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS
- CONSTRUCT 4" PCC (800 C-2500) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION, WITH #3 BARS 18" O.C. BOTH WAYS, OVER 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION, WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS. STRUCTURAL SECTION IS TENTATIVE. SOIL TESTING SHALL BE PERFORMED PRIOR TO GRADING TO DETERMINE STRUCTURAL SECTION REQUIREMENTS
- CONSTRUCT CURB TYPE A1 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
- CONSTRUCT CURB TYPE A2 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
- CONSTRUCT 4" PCC (800 C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
- CONSTRUCT 4" W/OTCH PER DETAIL "D" ON SHEET C-6.1
- FURNISH AND INSTALL SITE FENCING & GATES PER ARCHITECT'S PLANS AND SPECIFICATIONS
- PAINT / APPLY ACCESSIBLE SIGNING / STRIPING / PAVEMENT MARKINGS PER ARCHITECT'S PLANS AND SPECIFICATIONS
- CONSTRUCT PCC CURB EXTENSION PER DETAIL "E" ON SHEET C-6.1
- CONSTRUCT CMU RETAINING WALL PER STRUCTURAL ENGINEER'S DETAILS
- CONSTRUCT 10" 8" PCC (500 C-2000) CURB TRANSITION PER DETAIL "F" ON SHEET C-6.1
- CONSTRUCT 10" 8" PCC (500 C-2000) CURB ONLY PER DETAIL "G" ON SHEET C-6.1
- CONSTRUCT FREE STANDING WALL PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT COLUMNS PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT NOW CURB PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT TRUNCATED DOME PER ARCHITECT'S DETAIL
- FURNISH AND INSTALL HANDRAILS PER ARCHITECT'S DETAILS ON SHEET A1.32 AND SPECIFICATIONS
- CONSTRUCT WEEP HOLES PER STRUCTURAL ENGINEER'S PLANS, DETAILS, AND SPECIFICATIONS
- CONSTRUCT CURB TYPE A1 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2



UTILITY CONSTRUCTION NOTES

FURNISH & INSTALL ALL PIPING PER UTILITY TABLES ON SHEET C-4.1

- CONNECT TO EXISTING WATER LINE
- CONSTRUCT THURST BLOCK PER DETAIL "H" ON SHEET C-6.1
- FURNISH & INSTALL A LANDSCAPE REDUCED PRESSURE PRINCIPLE ASSEMBLY (ZURN MODEL 375XL OR APPROVED EQUAL) PER CUTSHEET ON C-6.2

- NOTE NOT USED
- CONSTRUCT THURST BLOCK PER DETAIL "H" ON SHEET C-6.1
- FURNISH & INSTALL FIRE HYDRANT ASSEMBLY (JONES 800W BR OR DR) PER MANUFACTURER'S DETAILS ON SHEET C-6.2. FIRE HYDRANT BREAK AWAY SPOOL & BURY TO HAVE MATCHING BOLLTS PATTERNS
- FURNISH & INSTALL 6" GATE VALVE-IMMELER RESILIENT WEDGE (FP OR APPROVED EQUAL) RPSV CAN PER DETAIL "I" ON SHEET C-6.1 AND CUTSHEET ON C-6.2
- NOTE NOT USED
- NOTE NOT USED
- FURNISH & INSTALL 8" DETECTOR CHECK ASSEMBLY (ZURN WILKINS MODEL 304SL PER CUTSHEET ON C-6.1)

SEWER

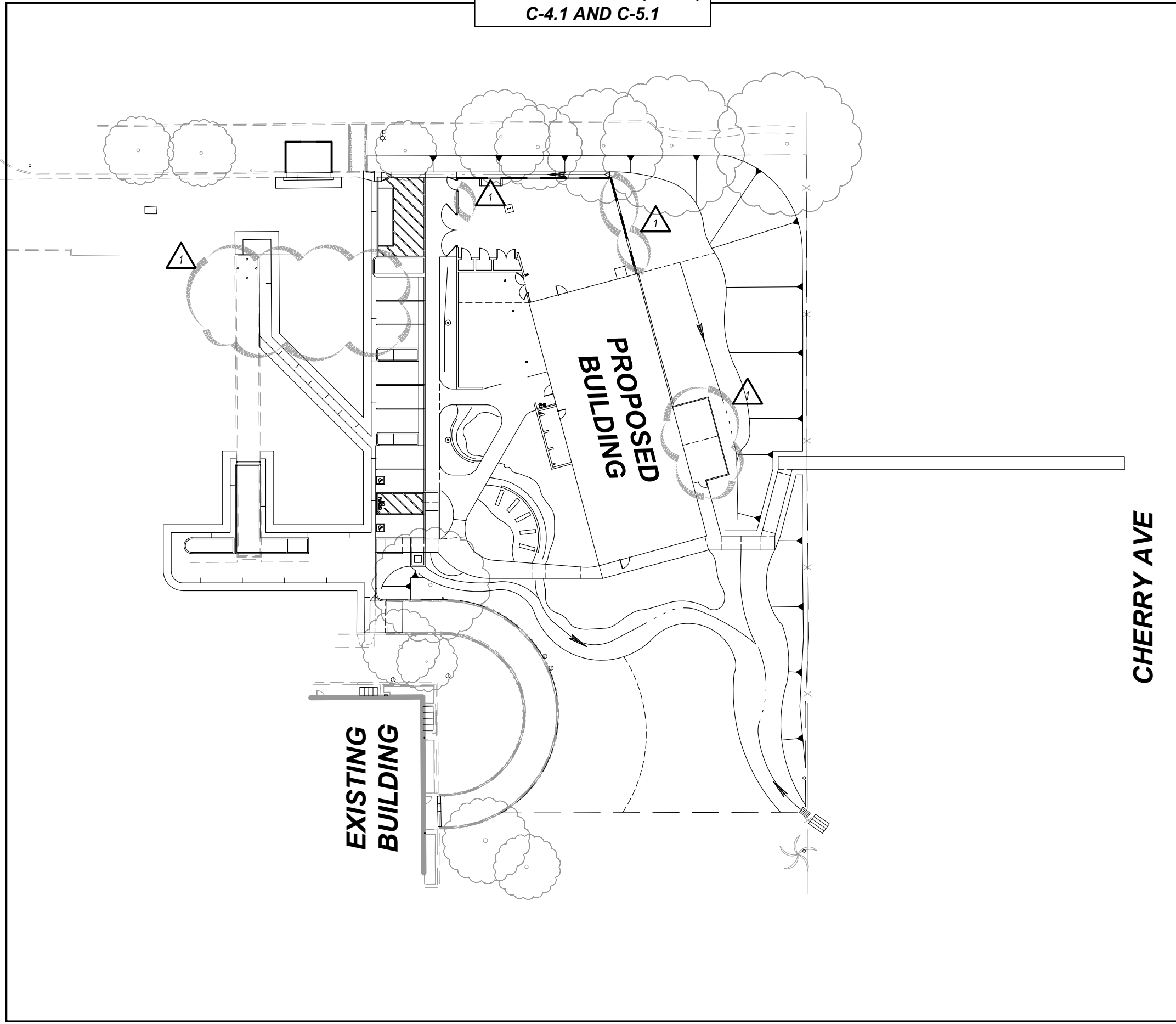
- CONNECT TO EXISTING SEWER LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING SEWER PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- CONSTRUCT PVC SEWER CLEANOUT PER DETAIL "K" ON SHEET C-6.2
- CONSTRUCT SEWER MANHOLE PER SPWPC 2000 STD. STD. PLAN 200-3 PER CUTSHEET ON SHEET C-6.3
- FURNISH & INSTALL SEWER GROUND PUMP (1" ONE SEWER SYSTEMS' MODEL4071 OR APPROVED EQUAL) PER CUTSHEET ON SHEET C-6.3

STORM DRAIN

- CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING STORM DRAIN PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- FURNISH & INSTALL 12" X 12" PREFABRICATED CATCH BASIN (JAB C8122 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- FURNISH & INSTALL 24" X 24" PREFABRICATED CATCH BASIN (JAB C8122 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- CONSTRUCT PVC STORM DRAIN CLEANOUT PER DETAIL "K" ON SHEET C-6.2
- CONSTRUCT CURB OUTLET STRUCTURE PER CUTSHEET ON C-6.3
- FURNISH AND INSTALL RETAINING WALL SUB-DRAINAGE PERFORATED PIPE PER DETAIL "M" ON SHEET C-6.2
- CORE THROUGH EXISTING CURB 0.04' ABOVE EXISTING FLOWLINE

LEGEND

|      |                                |   |                              |
|------|--------------------------------|---|------------------------------|
| AC   | ASPHALT CONCRETE               | + | CLEANOUT                     |
| ADA  | AMERICAN DISABILITIES ACT      | + | CONTROL POINT                |
| BD   | BACKLAW DEVICE                 | + | DOUBLE DETECTOR CHECK        |
| CF   | CURB FACE                      | + | DRAIN BOX                    |
| CLF  | CHAIN LINK FENCE               | + | FIRE DEPARTMENT CONNECTION   |
| CO   | CLEANOUT                       | + | FIRE HYDRANT                 |
| CONC | CONCRETE                       | + | MANHOLE                      |
| DCDA | DOUBLE CHECK DETECTOR ASSEMBLY | + | SEWER GRINDER PUMP           |
| ELEC | ELECTRIC                       | + | POST INDICATOR VALVE         |
| EOD  | EDGE OF CONCRETE               | + | POWER POLE                   |
| EP   | EDGE OF PAVEMENT               | + | SIGN                         |
| FDC  | FIRE DEPARTMENT CONNECTION     | + | TREE                         |
| FF   | FINISHED FLOOR                 | + | CHANGE IN AC/PC THICKNESS    |
| FG   | FINISHED GROUND                | + | DIRECTION OF SLOPE           |
| FL   | FLOWLINE                       | + | EDGE OF PAVEMENT             |
| FS   | FINISHED SURFACE               | + | EXISTING ELECTRICAL LINE     |
| HP   | HIGH POINT                     | + | EXISTING FIRE LINE           |
| IE   | INVERT (SD)                    | + | EXISTING GAS LINE            |
| INV  | INVERT (SEWER)                 | + | EXISTING SEWER LINE          |
| LA   | LANDSCAPE AREA                 | + | EXISTING STORM DRAIN         |
| PA   | PLANTER AREA                   | + | EXISTING STORM DRAIN         |
| PIV  | POST INDICATOR VALVE           | + | EXISTING WATER LINE          |
| PCC  | POINT OF CONNECTION            | + | FLOWLINE                     |
| PP   | POWER POLE                     | + | GRADE/BEAK/ROD/ELINE         |
| SW   | SIDEWALK                       | + | PROPOSED FIRE LINE           |
| TB   | TOP OF BERM                    | + | PROPOSED RETAINING WALL      |
| TC   | TOP OF CURB                    | + | PROPOSED SEWER LINE          |
| TF   | TOP OF FOOTING                 | + | PROPOSED STORM DRAIN         |
| TG   | TOP OF GRATE                   | + | PROPOSED WATER LINE          |
| TOE  | BOTTOM OF SLOPE                | + |                              |
| TOP  | TOP OF SLOPE                   | + |                              |
| TP   | TOP OF PAVEMENT                | + | PROPOSED SLURRY/CRACK REPAIR |
| TW   | TOP OF WALL                    | + |                              |
| UTL  | UTILITY                        | + | PARKING AC PAVING            |
| WM   | WATER METER                    | + | DRIVE AISLE AC PAVING        |
| WV   | WATER VALVE                    | + | FIRE LANE AC PAVING          |
|      |                                | + | PEDESTRIAN PCC SURFACE       |
|      |                                | + | FIRE LANE PCC SURFACE        |
|      |                                | + | GOMPER SLAB                  |
|      |                                | + | GRIND AND OVERLAY            |
|      |                                | + | LIMITS OF REMOVAL            |



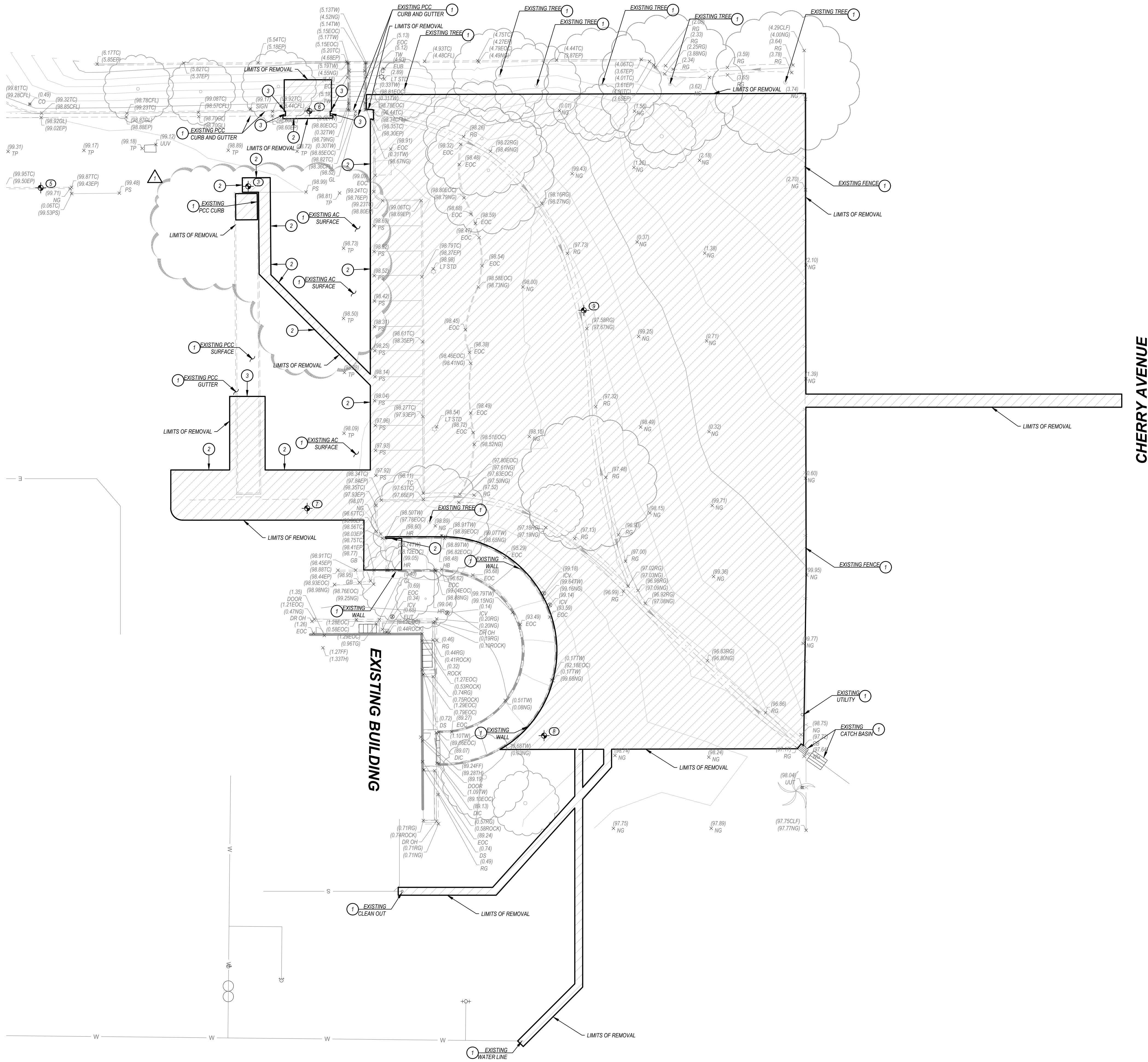
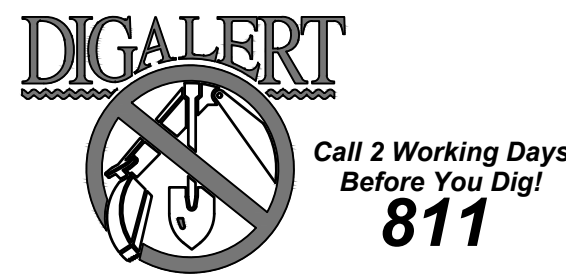
CALIFORNIA STEEL WAY

INDEX MAP

SCALE 1" = 40'







GRADING DEMOLITION NOTES

- 1 PROTECT IN PLACE SPECIFIED ITEM
- 2 SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT
- 3 SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE CURB, GUTTER, AND/OR SIDEWALK

GENERAL NOTES:

THE FIELD TOPOGRAPHY SHOWN HEREON WAS COMPILED BY FIELD SURVEY PERFORMED ON 11/25/2024 BY EPIC ENGINEERS.

IN PREPARING THESE PLANS, EPIC ENGINEERS, INC. DID A THOROUGH SEARCH FOR ALL EXISTING PLANS AND COMPILED A FIELD SURVEY OF ALL ABOVE GROUND APPURTENANCES. EPIC ENGINEERS, INC. PROVIDES NO WARRANTY AND ACCEPTS NO RESPONSIBILITY AS TO THE ACTUAL LOCATION OF ANY UNDERGROUND OR ABOVE GROUND UTILITY EITHER INSTALLED BEFORE OR AFTER THE DATE OF PREPARATION OF THESE PLANS. CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT (811) TO VERIFY LOCATION OF EXISTING UTILITY LOCATIONS AND SHALL CONTACT THE ENGINEER OF RECORD IF THERE IS ANY MATERIAL DISCREPANCY.

BEFORE USING THIS MAP FOR DESIGN PURPOSES, ALL EASEMENT OF RECORD AND SETBACK LINES DEFINED IN COVENANTS, CONDITIONS, AND RESTRICTIONS OF RECORD AFFECTING THIS PROPERTY SHOULD BE PLOTTED ON THIS MAP FROM A CURRENT TITLE REPORT SO THAT THESE EASEMENTS AND SETBACK LINES OF RECORD CAN BE PLOTTED ON THIS MAP. THIS MAP SHOULD BE EXPANDED TO MEET ALTA REQUIREMENTS IF FINANCING IS TO BE OBTAINED FOR THE PROJECT. REQUIRING AN EXTENDED COVERAGE POLICY OF TITLE INSURANCE.

THIS SURVEY DOES NOT INCLUDE EASEMENTS EXCEPT THOSE SPECIFICALLY DELINEATED HEREON.

BENCHMARK:

VERTICAL CONTROL FOR THIS SURVEY IS NAVD83 GEOD18 AS ESTABLISHED BY STATIC GPS BASED ON THE CORN STATIONS LISTED UNDER THE BASIS OF BEARINGS SHOWN HEREON.

A TEMPORARY BENCHMARK WAS ESTABLISHED AT THE BASE CONTROL POINT NO. 5 REFERENCED ABOVE.

DESCRIPTION: SCORED X

ELEVATION: 1099.90' (NAVD83)

NORTHING: 162093.67 EASTING: 6715067.82

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, SPC 0605, ZONE V.

BASED LOCALLY ON CONTINUOUS OPERATING REFERENCE STATIONS (CORS):

"NAD 83" AND "NAD 83" MAPS (NO. 83) 2011 EPOCH 03/10/00  
ALL BEARINGS SHOWN ON THIS MAP ARE GRID. ALL DISTANCES ARE GROUND DISTANCES UNLESS SPECIFIED OTHERWISE. GRID DISTANCES MAY BE OBTAINED BY MULTIPLYING THE GROUND DISTANCE BY A COMBINATION FACTOR OF: 0.99994234

TOPOGRAPHIC LEGEND:

|        |                            |   |                                |                    |
|--------|----------------------------|---|--------------------------------|--------------------|
| AC     | ASPHALTIC CONCRETE         | ① | IRRIGATION CONTROL VALVE       |                    |
| ACB    | ASPHALT CONCRETE BERM      | ① | CONTROL POINT                  |                    |
| ADA    | AMERICAN DISABILITY ACT    | ① | TREE                           |                    |
| BOLL   | BOLLARD                    | ① | DRAIN                          |                    |
| BGG    | BACKSIDE GROOVE            | ① | DOUBLE DETECTOR CHECK ASSEMBLY |                    |
| CB     | CATCH BASIN                | ① | POST INDICATOR VALVE           |                    |
| CF     | CURB FLOWLINE              | ① | HOSE BIBB                      |                    |
| CLF    | CHAIN LINK FENCE           | ① | DOOR                           |                    |
| CLFG   | CHAIN LINK FENCE GATE      | ① | FIRE DEPARTMENT CONNECTION     |                    |
| CLFH   | CHAIN LINK FENCE HINGE     | ① | SIGN                           |                    |
| CO     | CLEANOUT                   | ① | MANHOLE                        |                    |
| COL    | COLUMN                     | ① | WALL                           |                    |
| COMM   | COMMUNICATION              | ① | DEMO UTILITY LINE              |                    |
| CONC   | CONCRETE                   | ① | VAULT                          |                    |
| COR    | CORNER                     | ① | WOODCHIPS                      |                    |
| DF     | DRINKING FOUNTAIN          | ① | WFO                            | WROUGHT IRON FENCE |
| DH     | DOOR HINGE                 | ① | W                              | WATER              |
| DI     | DRAIN INLET                | ① |                                |                    |
| DIC    | DRAIN INLET CORNER         | ① |                                |                    |
| DR     | DIRECT REFLECTION          | ① |                                |                    |
| DS     | DOWNSPOUT                  | ① |                                |                    |
| EDB    | EDGE OF BROCK              | ① |                                |                    |
| EDC    | EDGE OF CONCRETE           | ① |                                |                    |
| EP     | EDGE OF PAVEMENT           | ① |                                |                    |
| ETP    | EDGE OF TRAVELED PATH      | ① |                                |                    |
| FA     | FIRE ACCESS                | ① |                                |                    |
| FDC    | FIRE DEPARTMENT CONNECTION | ① |                                |                    |
| FF     | FINISHED FLOOR             | ① |                                |                    |
| FH     | FIRE HYDRANT               | ① |                                |                    |
| FL     | FLOWLINE                   | ① |                                |                    |
| FP     | FLAG POLE                  | ① |                                |                    |
| FSC    | FINISHED SURFACE CONCRETE  | ① |                                |                    |
| GB     | GRADE BREAK                | ① |                                |                    |
| GL     | GUTTER LIP                 | ① |                                |                    |
| ICV    | IRRIGATION CONTROL VALVE   | ① |                                |                    |
| I      | INVERT STORM DRAIN         | ① |                                |                    |
| INV    | INVERT SEWER               | ① |                                |                    |
| LT STD | LIGHT STAND                | ① |                                |                    |
| MB     | MALEX                      | ① |                                |                    |
| MN     | MANHOLE                    | ① |                                |                    |
| NO     | NATURAL GROUND             | ① |                                |                    |
| PV     | POST INDICATOR VALVE       | ① |                                |                    |
| PP     | PAINT STORE                | ① |                                |                    |
| PS     | POWER POLE                 | ① |                                |                    |
| RG     | RIBBON GUTTER              | ① |                                |                    |
| SYF    | STEEL TUBE FENCE           | ① |                                |                    |
| TC     | TOP OF CURB                | ① |                                |                    |
| TD     | TRUNCATED DOMES            | ① |                                |                    |
| TH     | THRESHOLD                  | ① |                                |                    |
| TL     | TRAFFIC LIGHT              | ① |                                |                    |
| TOP    | TOP OF PIPE                | ① |                                |                    |
| TP     | TOP OF PAVEMENT            | ① |                                |                    |
| TW     | TOP OF WALL                | ① |                                |                    |
| UB     | UTILITY BOX                | ① |                                |                    |
| UCO    | UNKNOWN CLEANOUT           | ① |                                |                    |
| USWD   | UNDER SIDEWALK DRAIN       | ① |                                |                    |
| UT     | UTILITY                    | ① |                                |                    |
| UT/UTL | UTILITY VAULT              | ① |                                |                    |
| VLT    | VAULT                      | ① |                                |                    |
| WC     | WOODCHIPS                  | ① |                                |                    |
| WFO    | WROUGHT IRON FENCE         | ① |                                |                    |
| WS     | WHEEL STOP                 | ① |                                |                    |
| V      | VALVE                      | ① |                                |                    |

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| UTILITIES |         | LIMITS OF REMOVAL |
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TOPOGRAPHIC MAP

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

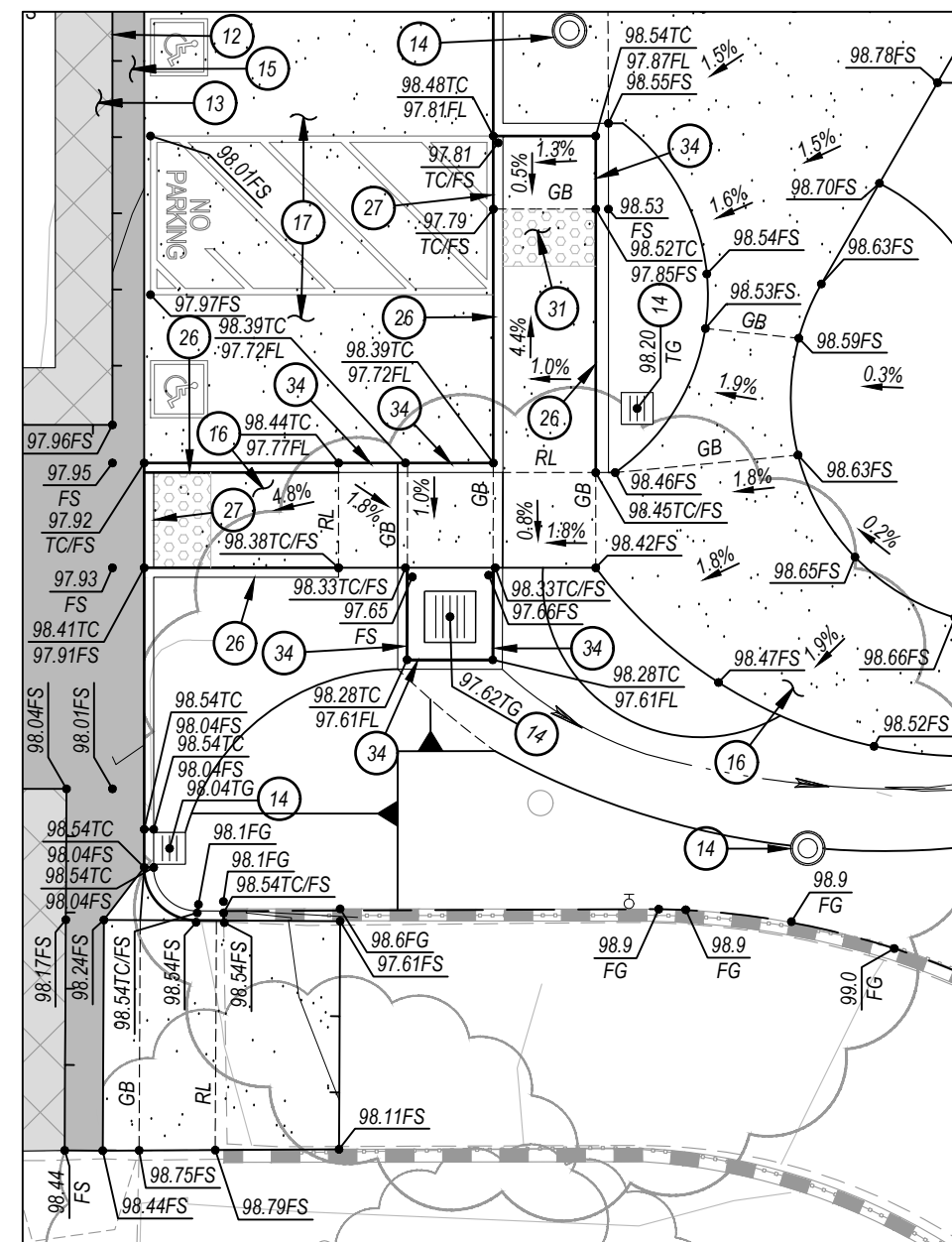
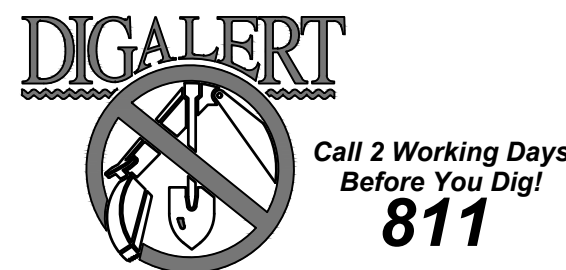
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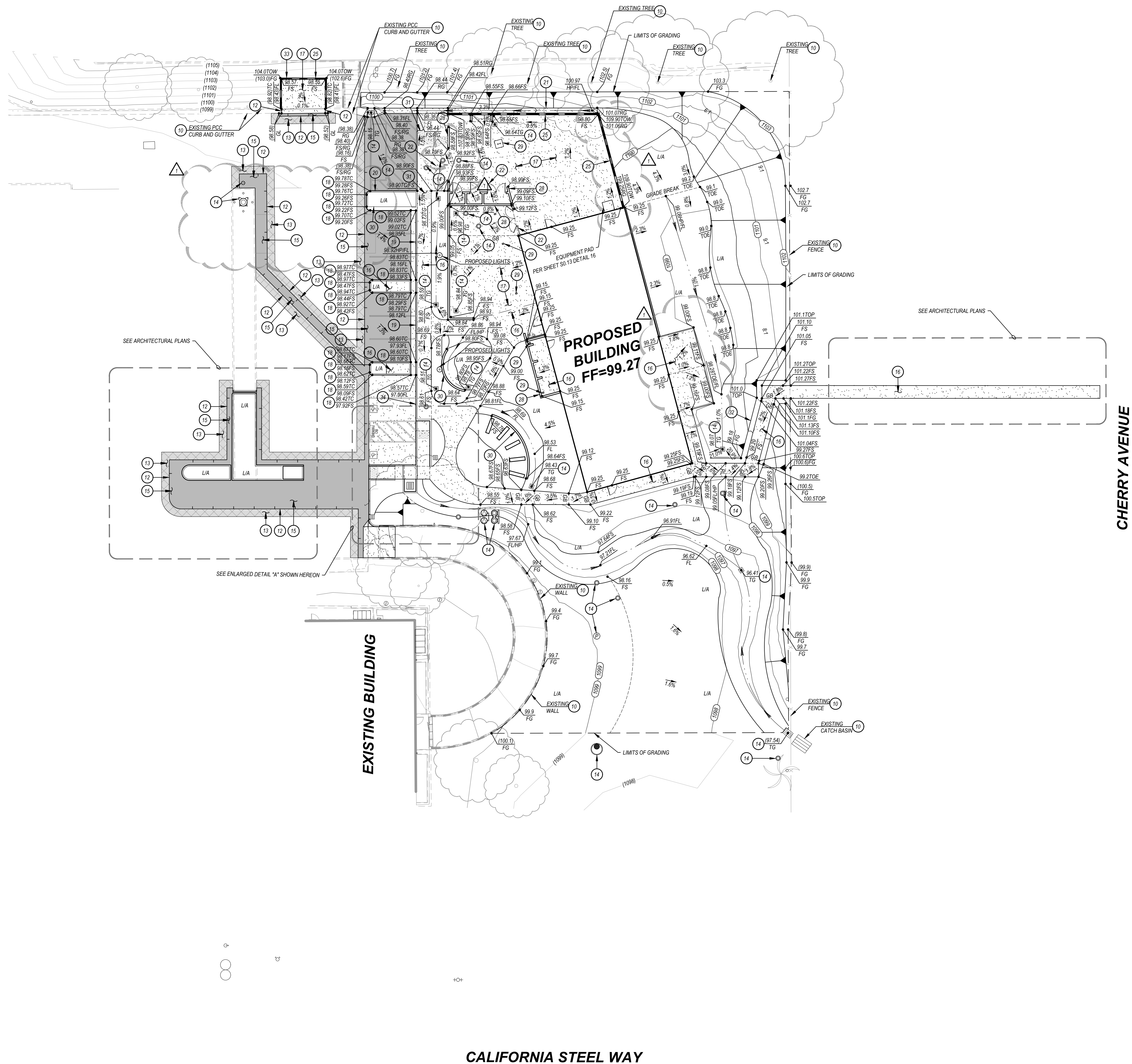
PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/20/2025  
DATE: 11/22/2025  
DESCRIPTION: ADDENDUM 1

C-2.1  
CONSTRUCTION DOCUMENTS





ENLARGED DETAIL "A"  
SCALE: 1" = 10'



#### GRADING CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING ITEM
2. ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE
3. JOIN PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION, MATCH GRADE, DOWELING FOR PCC ONLY
4. GRIND AND OVERLAY EXISTING ASPHALT SURFACE 0.12" MINIMUM PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION, MATCH GRADE
5. SEE SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT
6. CONSTRUCT 4" AC OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION, AND 12" SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION, FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED.
7. CONSTRUCT 4" PCC (500-C-2500) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION, WITH 43 BARS 18" O.C. BOTH WAYS, OVER 12" SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION, WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS.
8. CONSTRUCT 6" PCC (500-C-2500) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION, WITH 43 BARS 18" O.C. BOTH WAYS, OVER 12" SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION, WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS. STRUCTURAL SECTION IS TENTATIVE. SOIL TESTING SHALL BE PERFORMED PRIOR TO GRADING TO DETERMINE STRUCTURAL SECTION REQUIREMENTS.
9. CONSTRUCT CURB TYPE A1-A PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
10. CONSTRUCT CURB TYPE A2-B PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
11. CONSTRUCT 10" 8" PCC (500-C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
12. CONSTRUCT 10" 8" PCC (500-C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
13. FURNISH AND INSTALL SITE FENCING & GATES PER ARCHITECT'S PLANS AND SPECIFICATIONS
14. PAINT / APPLY ACCESSIBLE SIGNING / STRIPING / PAVEMENT MARKINGS PER ARCHITECT'S PLANS AND SPECIFICATIONS
15. CONSTRUCT PCC CURB EXTENSION PER DETAIL "E" ON SHEET C-6.1
16. CONSTRUCT CMU RETAINING WALL PER STRUCTURAL ENGINEER'S DETAILS
17. CONSTRUCT 10" 8" PCC (500-C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
18. CONSTRUCT 10" 8" PCC (500-C-2500) CURB ONLY PER DETAIL "F" ON SHEET C-6.1
19. CONSTRUCT FREE STANDING WALL PER ARCHITECT'S DETAILS AND SPECIFICATIONS
20. CONSTRUCT COLUMN PER ARCHITECT'S DETAILS AND SPECIFICATIONS
21. CONSTRUCT MOW CURB PER ARCHITECT'S DETAILS AND SPECIFICATIONS
22. CONSTRUCT TRUNCATED DOME PER ARCHITECT'S DETAIL
23. FURNISH AND INSTALL HANDRAILS PER ARCHITECT'S DETAILS ON SHEET A1.32 AND SPECIFICATIONS
24. CONSTRUCT WEEP HOLES PER STRUCTURAL ENGINEER'S PLANS, DETAILS, AND SPECIFICATIONS
25. CONSTRUCT CURB TYPE A1-B PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2

PRECISE GRADING PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT:



PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/28/2025  
DATE: 11/12/2025  
DESCRIPTION: ADDENDUM 1

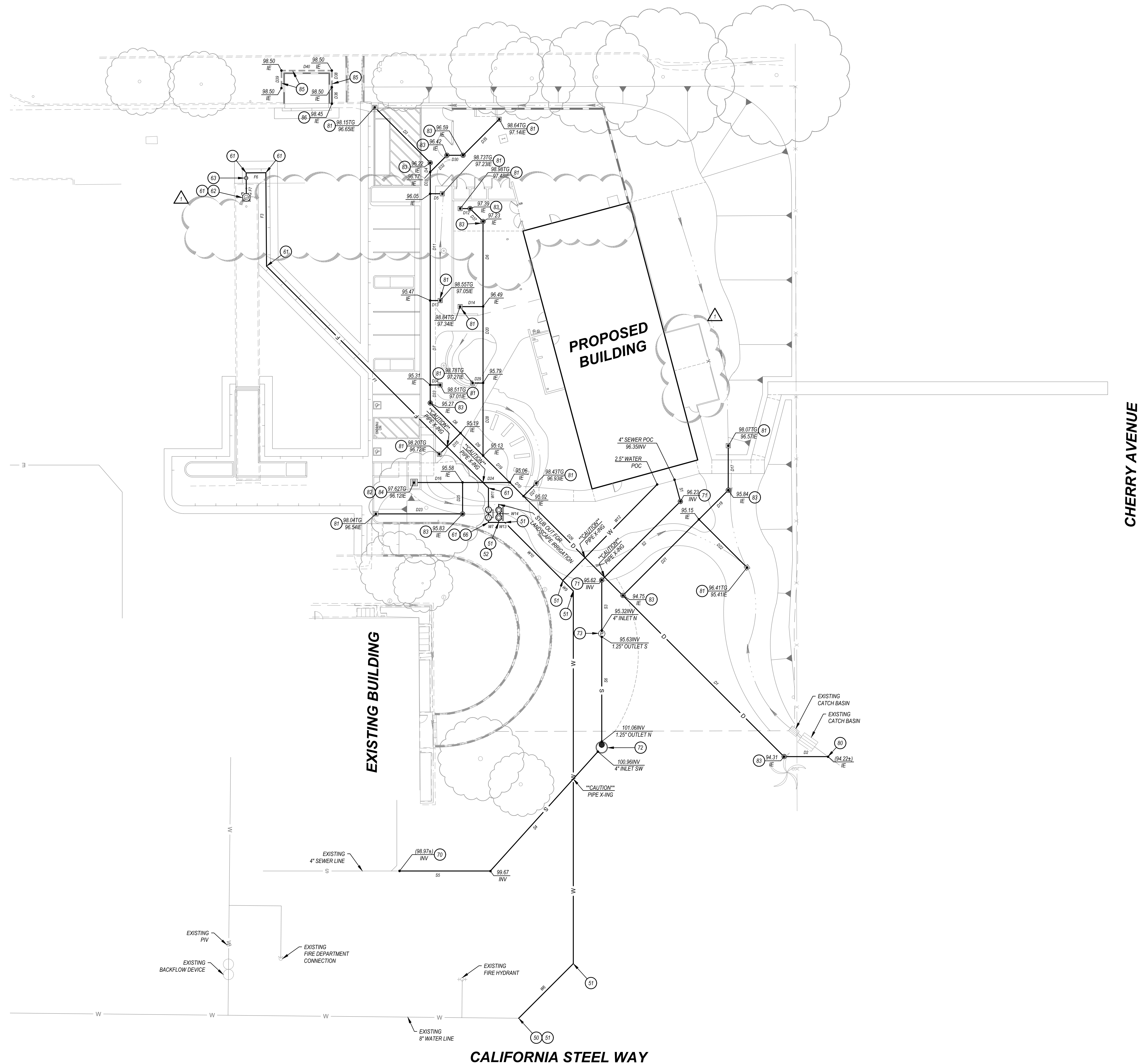
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C-3.1  
CONSTRUCTION DOCUMENTS





Call 2 Working Days  
Before You Dig!  
**811**



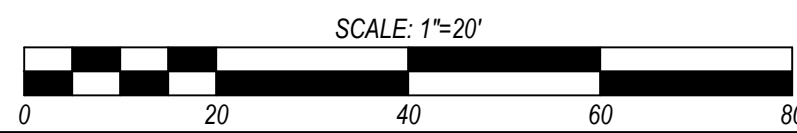
| NAME | BEARING       | LENGTH | SLOPE    | DESCRIPTION                      |
|------|---------------|--------|----------|----------------------------------|
| S1   | S15° 00' 00"E | 8.68   | S=0.0142 | 4" SDR 35 PVC SEWER PIPE         |
| S2   | S45° 00' 00"W | 43.02  | S=0.0142 | 4" SDR 35 PVC SEWER PIPE         |
| S3   | S0° 00' 00"E  | 20.72  | S=0.0142 | 4" SDR 35 PVC SEWER PIPE         |
| S4   | S45° 00' 00"W | 64.40  | S=0.0200 | 4" SDR 35 PVC SEWER PIPE         |
| S5   | N80° 00' 00"W | 35.13  | S=0.0200 | 4" SDR 35 PVC SEWER PIPE         |
| S6   | S0° 00' 00"E  | 44.01  | S=0.0224 | 1.25" SCHEDULE 80 PVC SEWER PIPE |

| NAME | BEARING       | LENGTH | DESCRIPTION                            |
|------|---------------|--------|--|
| F1   | N45° 00' 00"W | 121.39 | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| F2   | N80° 30' 00"W | 24.66  | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| F3   | N00° 30' 00"W | 36.16  | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| F4   | S80° 30' 00"W | 7.60   | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| F5   | S80° 30' 00"E | 19.80  | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| F6   | N80° 30' 58"E | 7.63   | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| F7   | S00° 28' 02"E | 9.50   | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| F8   | N80° 30' 40"E | 62.76  | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| F9   | N73° 18' 36"E | 38.16  | 8" CLASS 305 DR-14 C900 PVC WATER LINE |

| NAME | BEARING       | LENGTH | DESCRIPTION                            |
|------|---------------|--------|--|
| W6   | N45° 00' 00"E | 29.89  | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| W7   | N80° 00' 00"W | 3.94   | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| W8   | N00° 00' 00"E | 144.22 | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| W9   | N45° 00' 00"W | 5.77   | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| W10  | N45° 00' 00"W | 31.74  | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| W11  | N00° 00' 00"E | 13.34  | 8" CLASS 305 DR-14 C900 PVC WATER LINE |
| W12  | N44° 31' 35"E | 52.08  | 2" SCHEDULE 80 WATER LINE              |
| W13  | N00° 00' 00"E | 2.37   | 2" SCHEDULE 80 WATER LINE              |
| W14  | N00° 18' 50"E | 7.00   | 2" SCHEDULE 80 WATER LINE              |

| NAME | BEARING       | LENGTH | SLOPE    | DESCRIPTION                      |
|------|---------------|--------|----------|----------------------------------|
| D1   | S45° 00' 00"E | 88.17  | S=0.0050 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D2   | N80° 00' 00"E | 17.01  | S=0.0050 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D3   | S45° 00' 00"E | 30.34  | S=0.0141 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D4   | S0° 00' 00"E  | 3.87   | S=0.0141 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D5   | N80° 00' 00"W | 4.67   | S=0.0259 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D6   | S0° 00' 00"E  | 32.94  | S=0.0226 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D7   | S0° 00' 00"E  | 32.67  | S=0.0050 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D8   | S45° 00' 00"E | 16.53  | S=0.0050 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D9   | S45° 00' 00"E | 12.34  | S=0.0049 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D10  | S45° 00' 00"E | 7.44   | S=0.0050 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D11  | S0° 00' 00"E  | 41.33  | S=0.0141 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D12  | N80° 00' 00"E | 3.83   | S=0.0226 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D13  | N80° 00' 00"W | 3.83   | S=0.4122 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D14  | N80° 00' 00"E | 8.83   | S=0.0062 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D15  | N45° 00' 00"E | 11.51  | S=0.1239 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D16  | N80° 00' 00"E | 18.79  | S=0.0286 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D17  | S0° 00' 00"E  | 17.17  | S=0.0408 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D18  | S45° 00' 00"W | 16.01  | S=0.0408 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D19  | S45° 00' 00"E | 14.65  | S=0.0050 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D20  | S0° 00' 00"E  | 29.57  | S=0.0237 | 6.0" SDR 35 PVC STORM DRAIN PIPE |

| NAME | BEARING       | LENGTH | SLOPE    | DESCRIPTION                      |
|------|---------------|--------|----------|----------------------------------|
| D21  | S45° 00' 00"W | 41.64  | S=0.0097 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D22  | N45° 00' 00"W | 26.30  | S=0.0097 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D23  | N80° 00' 00"E | 33.52  | S=0.0212 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D24  | N80° 00' 00"E | 18.26  | S=0.0086 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D25  | N0° 00' 00"E  | 12.16  | S=0.0207 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D26  | S45° 00' 00"E | 54.41  | S=0.0050 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D27  | S45° 00' 00"W | 7.00   | S=0.2759 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D28  | S0° 00' 00"E  | 28.13  | S=0.0234 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D29  | N80° 00' 00"E | 4.00   | S=0.3036 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D30  | N80° 00' 00"W | 6.25   | S=0.0276 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D31  | S0° 00' 00"E  | 8.43   | S=0.0141 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D32  | S45° 00' 00"W | 9.14   | S=0.0276 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D33  | S0° 00' 00"E  | 6.97   | S=0.0050 | 8.0" SDR 35 PVC STORM DRAIN PIPE |
| D34  | N80° 00' 00"W | 3.83   | S=0.4435 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D35  | S45° 00' 00"W | 19.75  | S=0.0276 | 6.0" SDR 35 PVC STORM DRAIN PIPE |
| D36  | S0° 00' 00"E  | 6.38   | S=0.0078 | 4" SDR 35 PVC STORM DRAIN PIPE   |
| D37  | S45° 00' 00"E | 7.07   | S=0.0226 | 4" PERFORATED SCH 20.5 PVC PIPE  |
| D38  | S0° 00' 00"E  | 6.38   | S=0.0000 | 4" PERFORATED SCH 20.5 PVC PIPE  |
| D39  | N80° 00' 00"E | 6.75   | S=0.0000 | 4" PERFORATED SCH 20.5 PVC PIPE  |
| D40  | N80° 00' 00"E | 19.50  | S=0.0000 | 4" PERFORATED SCH 20.5 PVC PIPE  |



# UTILITY CONSTRUCTION NOTES

FURNISH & INSTALL ALL PIPING PER UTILITY TABLES ON SHEET C-4.1

## DOMESTIC WATER AND LANDSCAPE WATER

- (0) CONNECT TO EXISTING WATER LINE
- (1) CONSTRUCT THRUST BLOCK PER DETAIL "Y" ON SHEET C-6.1
- (2) FURNISH & INSTALL 2" LANDSCAPE REDUCED PRESSURE PRINCIPLE ASSEMBLY (ZURN MODEL 375XL OR APPROVED EQUAL) PER CUTSHEET ON C-6.2

## FIRE

- (0) NOTE NOT USED
- (1) CONSTRUCT THRUST BLOCK PER DETAIL "Y" ON SHEET C-6.1
- (2) FURNISH & INSTALL FIRE HYDRANT ASSEMBLY (ZONES 800/800 CR OR DR) PER MANUFACTURER'S DETAILS ON SHEET C-6.2 FIRE HYDRANT BREAK AWAY SPOOL & BURY TO HAVE MATCHING BOLTS PATTERNS
- (3) FURNISH & INSTALL 6" GATE VALVE (SMALLER ASSEMBLY MODEL "P" OR APPROVED EQUAL) IN RISSY CAN PER DETAIL "Y" ON SHEET C-6.1 AND CUTSHEET ON C-6.2
- (4) NOTE NOT USED
- (5) NOTE NOT USED
- (6) FURNISH & INSTALL 8" DETECTOR CHECK ASSEMBLY (ZURN WILKINS MODEL 350AST) PER CUTSHEET ON C-6.3

## SEWER

- (0) CONNECT TO EXISTING SEWER LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING SEWER PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- (1) CONSTRUCT PVC SEWER CLEAOUT PER DETAIL "K" ON SHEET C-6.2
- (2) CONSTRUCT SEWER MANHOLE PER SPWV 2009 ED. STD. PLAN 200-3 PER CUTSHEET ON SHEET C-6.3
- (3) FURNISH & INSTALL SEWER GRINDER PUMP (E ONE SEWER SYSTEMS' MODEL D4071 OR APPROVED EQUAL) PER CUTSHEET ON SHEET C-6.3

## STORM DRAIN

- (0) CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING STORM DRAIN PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- (1) FURNISH & INSTALL 12" X 12" PREFABRICATED CATCH BASIN (J&R CB1212 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- (2) FURNISH & INSTALL 24" X 24" PREFABRICATED CATCH BASIN (J&R CB2122 OR APPROVED EQUAL) PER DETAIL "Y" ON SHEET C-6.1
- (3) CONSTRUCT PVC STORM DRAIN CLEAOUT PER DETAIL "K" ON SHEET C-6.2
- (4) CONSTRUCT CURB OUTLET STRUCTURE PER CUTSHEET ON C-6.3
- (5) FURNISH AND INSTALL RETAINING WALL SUB-DRAINAGE PERFORATED PIPE PER DETAIL "M" ON SHEET C-6.2
- (6) CORE THROUGH EXISTING CURB 0.04' ABOVE EXISTING FLOWLINE

# COMPOSITE UTILITIES PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT:

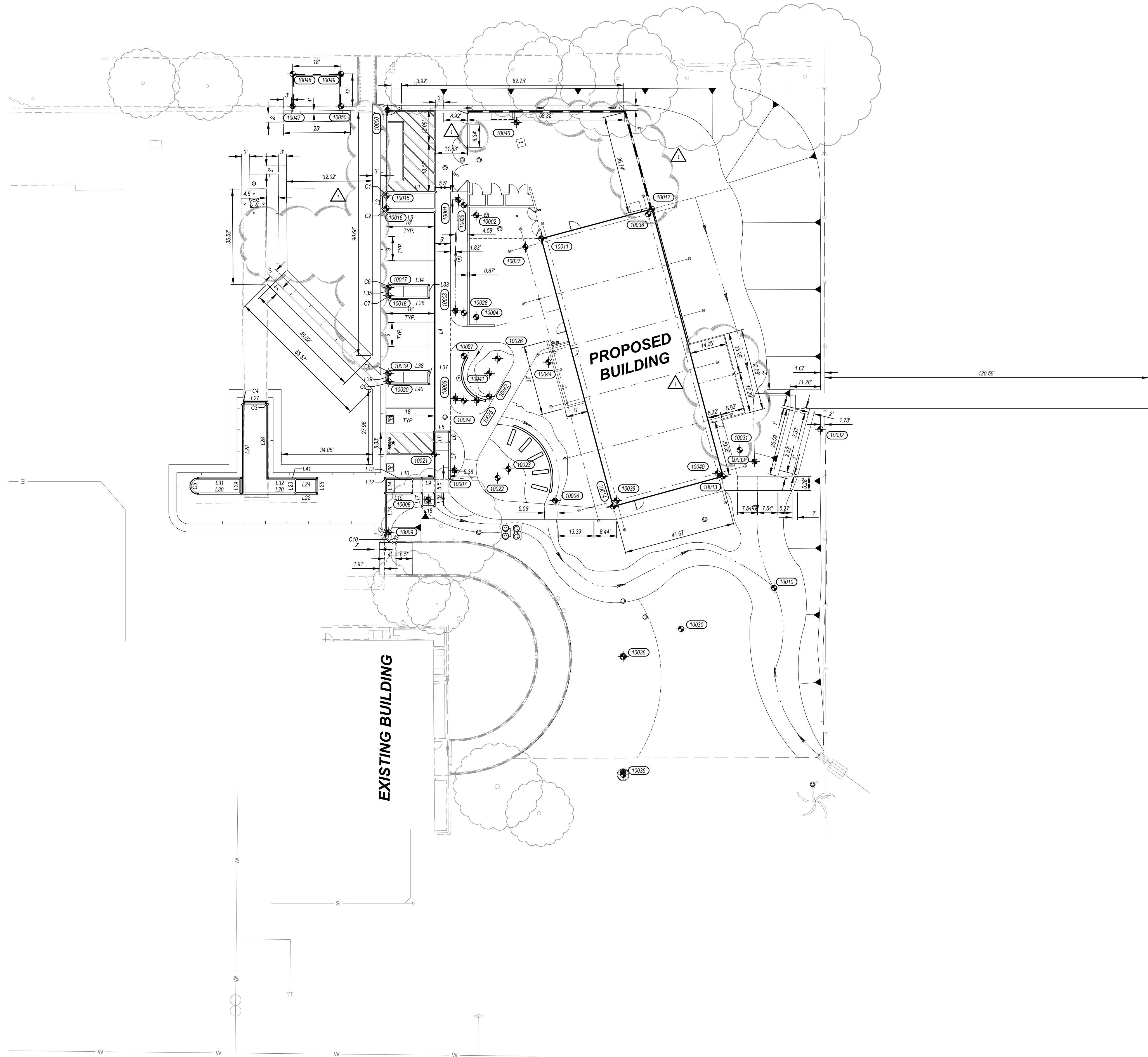
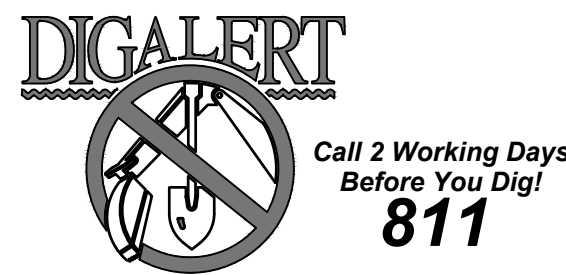


PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/28/2025  
DATE: 11/12/2025  
DESCRIPTION: ADEQUIM1

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**C-4.1**  
CONSTRUCTION DOCUMENTS

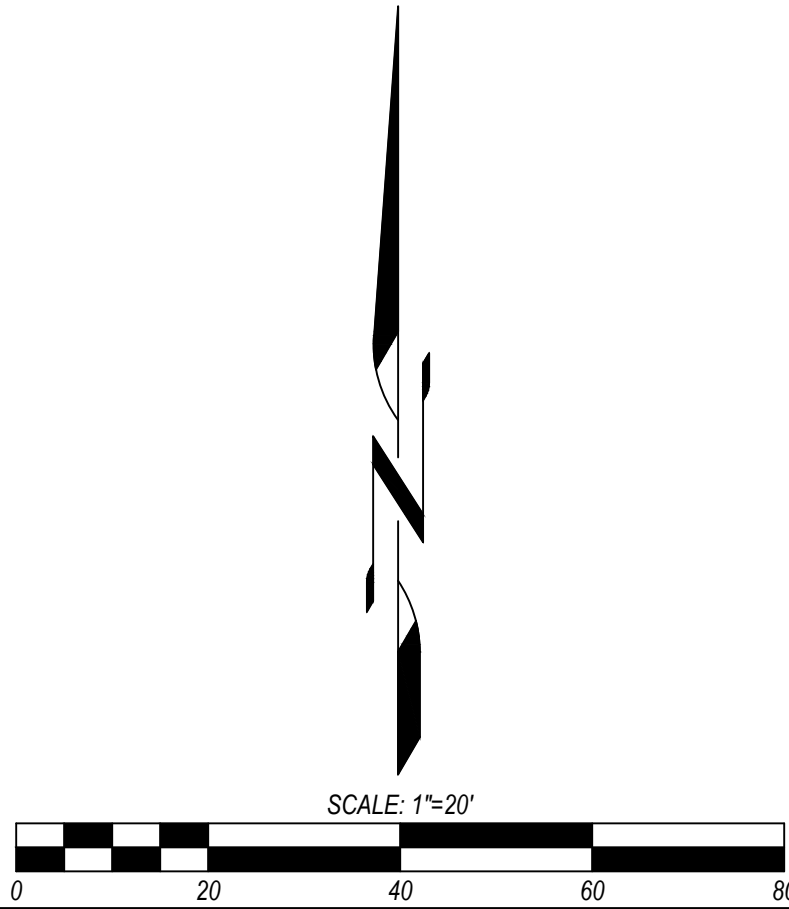




| HORIZONTAL CONTROL TABLE |            |            |                                 |
|--------------------------|------------|------------|---------------------------------|
| POINT #                  | NORTHING   | EASTING    | DESCRIPTION                     |
| 10000                    | 1852681.37 | 6716095.94 | CENTER OF CATCH BASIN           |
| 10001                    | 1852647.92 | 6716122.40 | CENTER OF CATCH BASIN           |
| 10002                    | 1852642.19 | 6716128.88 | CENTER OF CATCH BASIN           |
| 10003                    | 1852606.59 | 6716121.23 | CENTER OF CATCH BASIN           |
| 10004                    | 1852604.25 | 6716128.88 | CENTER OF CATCH BASIN           |
| 10005                    | 1852573.93 | 6716121.23 | CENTER OF CATCH BASIN           |
| 10006                    | 1852535.87 | 6716158.38 | CENTER OF CATCH BASIN           |
| 10007                    | 1852547.13 | 6716120.94 | CENTER OF CATCH BASIN           |
| 10008                    | 1852536.18 | 6716111.12 | CENTER OF CATCH BASIN           |
| 10009                    | 1852524.03 | 6716096.40 | CENTER OF CATCH BASIN           |
| 10010                    | 1852503.29 | 6716228.85 | CENTER OF CATCH BASIN           |
| 10011                    | 1852633.49 | 6716153.25 | CORNER OF PROPOSED BUILDING     |
| 10012                    | 1852644.53 | 6716194.46 | CORNER OF PROPOSED BUILDING     |
| 10013                    | 1852644.91 | 6716220.87 | CORNER OF PROPOSED BUILDING     |
| 10014                    | 1852533.68 | 6716179.99 | CORNER OF PROPOSED BUILDING     |
| 10015                    | 1852649.43 | 6716095.61 | CENTER OF CURVE RADIUS          |
| 10016                    | 1852644.76 | 6716095.61 | CENTER OF CURVE RADIUS          |
| 10017                    | 1852615.26 | 6716096.40 | CENTER OF CURVE RADIUS          |
| 10018                    | 1852612.26 | 6716096.40 | CENTER OF CURVE RADIUS          |
| 10019                    | 1852583.26 | 6716096.40 | CENTER OF CURVE RADIUS          |
| 10020                    | 1852580.26 | 6716096.40 | CENTER OF CURVE RADIUS          |
| 10021                    | 1852553.06 | 6716113.33 | CENTER OF CURVE RADIUS          |
| 10022                    | 1852544.28 | 6716136.96 | CENTER OF CURVE RADIUS          |
| 10023                    | 1852542.66 | 6716141.02 | CENTER OF CURVE RADIUS          |
| 10024                    | 1852573.09 | 6716194.40 | CENTER OF CURVE RADIUS          |
| 10025                    | 1852573.15 | 6716129.14 | CENTER OF CURVE RADIUS          |
| 10026                    | 1852588.76 | 6716137.03 | CENTER OF CURVE RADIUS          |
| 10027                    | 1852589.76 | 6716124.40 | CENTER OF CURVE RADIUS          |
| 10028                    | 1852603.76 | 6716124.40 | CENTER OF CURVE RADIUS          |
| 10029                    | 1852645.93 | 6716124.40 | CENTER OF CURVE RADIUS          |
| 10030                    | 1852488.04 | 6716205.33 | CENTER OF CURVE RADIUS          |
| 10031                    | 1852554.69 | 6716227.18 | CENTER OF CURVE RADIUS          |
| 10032                    | 1852562.43 | 6716257.21 | CENTER OF CURVE RADIUS          |
| 10033                    | 1852550.38 | 6716232.87 | CENTER OF CATCH BASIN           |
| 10035                    | 1852433.69 | 6716183.74 | CENTER OF MANHOLE               |
| 10036                    | 1852477.70 | 6716183.74 | CENTER OF GRINDER PUMP          |
| 10037                    | 1852630.34 | 6716147.32 | INTERSECTION OF BLDG GRID C & 2 |
| 10038                    | 1852642.59 | 6716193.04 | INTERSECTION OF BLDG GRID A & 2 |
| 10039                    | 1852535.93 | 6716181.33 | INTERSECTION OF BLDG GRID B & 7 |
| 10040                    | 1852546.00 | 6716216.92 | INTERSECTION OF BLDG GRID A & 7 |
| 10041                    | 1852583.24 | 6716133.87 | CENTER OF CURVE RADIUS          |
| 10042                    | 1852574.67 | 6716133.81 | CENTER OF CATCH BASIN           |
| 10044                    | 1852587.43 | 6716155.90 | CENTER OF CURVE RADIUS          |
| 10045                    | 25.63      | 17.50      | CENTER OF CATCH BASIN           |
| 10046                    | 1852676.77 | 6716144.06 | CENTER OF CATCH BASIN           |
| 10047                    | 1852682.82 | 6716060.61 | CMU WALL END                    |
| 10048                    | 1852694.82 | 6716060.61 | CMU WALL CORNER                 |
| 10049                    | 1852694.82 | 6716078.61 | CMU WALL CORNER                 |
| 10050                    | 1852682.82 | 6716078.61 | CMU WALL END                    |

| CURVE DATA TABLE |        |        |                 |
|------------------|--------|--------|-----------------|
| CURVE            | LENGTH | RADIUS | DELTA           |
| C1               | 2.36'  | 1.50'  | 90° 00' 00.00"  |
| C2               | 2.36'  | 1.50'  | 90° 00' 00.00"  |
| C3               | 0.94'  | 0.55'  | 98° 07' 48.91"  |
| C4               | 0.99'  | 0.63'  | 90° 00' 00.00"  |
| C5               | 9.42'  | 3.00'  | 180° 00' 00.00" |
| C6               | 1.57'  | 1.00'  | 90° 00' 00.00"  |
| C7               | 1.57'  | 1.00'  | 90° 00' 00.00"  |
| C8               | 1.57'  | 1.00'  | 90° 00' 00.00"  |
| C9               | 1.57'  | 1.00'  | 90° 00' 00.00"  |

| LINE DATA TABLE |                  |          |
|-----------------|------------------|----------|
| LINE            | BEARING          | DISTANCE |
| L1              | N80° 00' 00.00"E | 18.29'   |
| L2              | N00° 00' 00.00"E | 4.67'    |
| L3              | N80° 00' 00.00"W | 17.79'   |
| L5              | N60° 00' 00.00"E | 3.38'    |
| L6              | S00° 00' 00.00"E | 3.83'    |
| L7              | S00° 00' 00.00"E | 13.83'   |
| L8              | N00° 00' 00.00"E | 99.00'   |
| L9              | N00° 00' 00.00"W | 4.50'    |
| L10             | N00° 00' 00.00"W | 13.83'   |
| L11             | S89° 58' 27.28"E | 10.21'   |
| L12             | S00° 00' 00.00"E | 0.90'    |
| L13             | S89° 58' 27.28"E | 10.21'   |
| L14             | S00° 00' 00.00"E | 5.00'    |
| L15             | N80° 00' 00.00"W | 10.00'   |
| L16             | S00° 00' 00.00"E | 13.73'   |
| L17             | S00° 00' 21.41"W | 4.83'    |
| L18             | S89° 55' 23.59"E | 4.50'    |
| L19             | N00° 00' 21.41"E | 4.83'    |
| L20             | N60° 00' 00.00"E | 27.83'   |
| L21             | N60° 00' 00.00"E | 27.83'   |
| L22             | N60° 00' 00.00"W | 5.00'    |
| L23             | S00° 00' 00.00"E | 5.00'    |
| L24             | N60° 00' 00.00"E | 5.00'    |
| L25             | S00° 00' 00.00"E | 5.00'    |
| L26             | N00° 00' 00.00"E | 27.46'   |
| L27             | N80° 00' 00.00"W | 8.24'    |
| L28             | S00° 00' 00.00"W | 33.37'   |
| L29             | N00° 00' 00.00"E | 6.00'    |
| L30             | N60° 00' 00.00"E | 16.00'   |
| L31             | N00° 00' 00.00"W | 16.00'   |
| L32             | N00° 00' 00.00"W | 18.33'   |
| L33             | N00° 00' 00.00"E | 5.00'    |
| L34             | N60° 00' 00.00"E | 15.00'   |
| L35             | S00° 00' 00.00"E | 3.00'    |
| L36             | N60° 00' 00.00"E | 15.00'   |
| L37             | N00° 00' 00.00"E | 5.00'    |
| L38             | N60° 00' 00.00"W | 15.00'   |
| L39             | S00° 00' 00.00"E | 3.00'    |
| L40             | N60° 00' 00.00"E | 15.00'   |
| L41             | N80° 00' 00.00"W | 18.33'   |



HORIZONTAL CONTROL

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT:

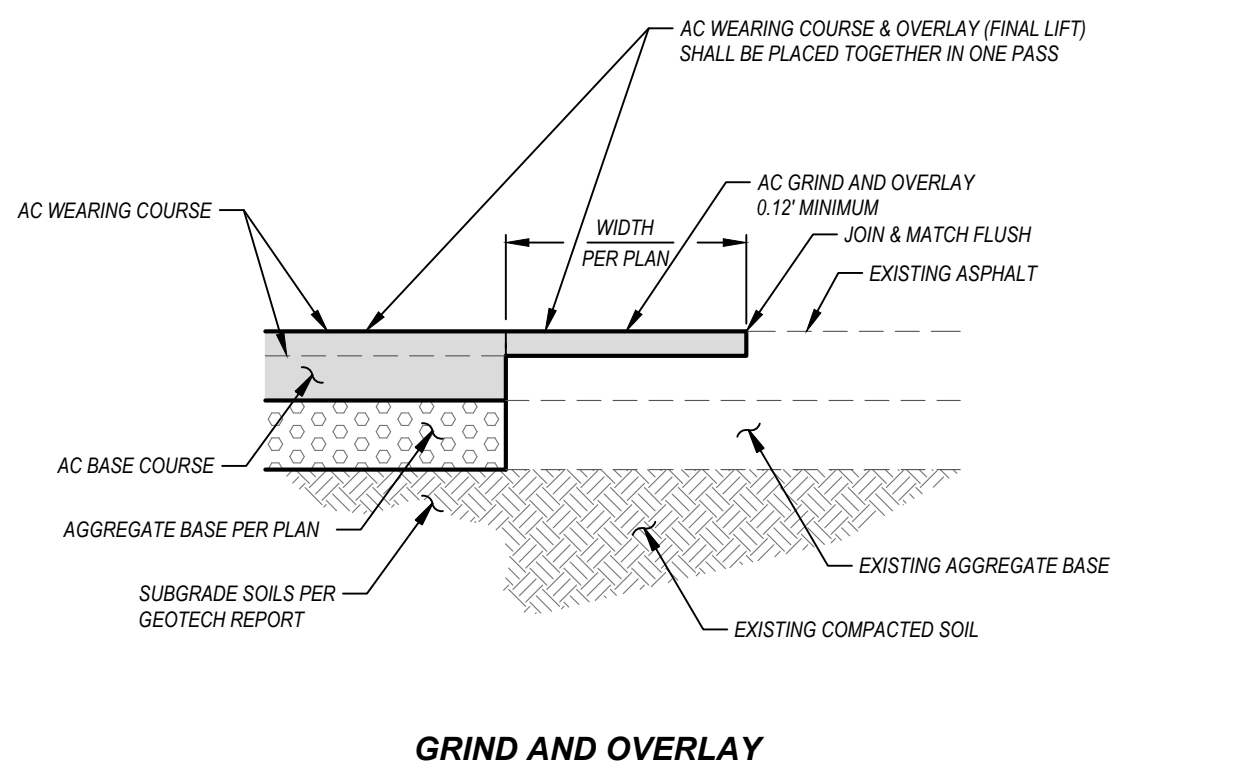


PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/28/2025  
DELTA: DATE: 11/12/2025  
DESCRIPTION: ADDENDUM 1

44

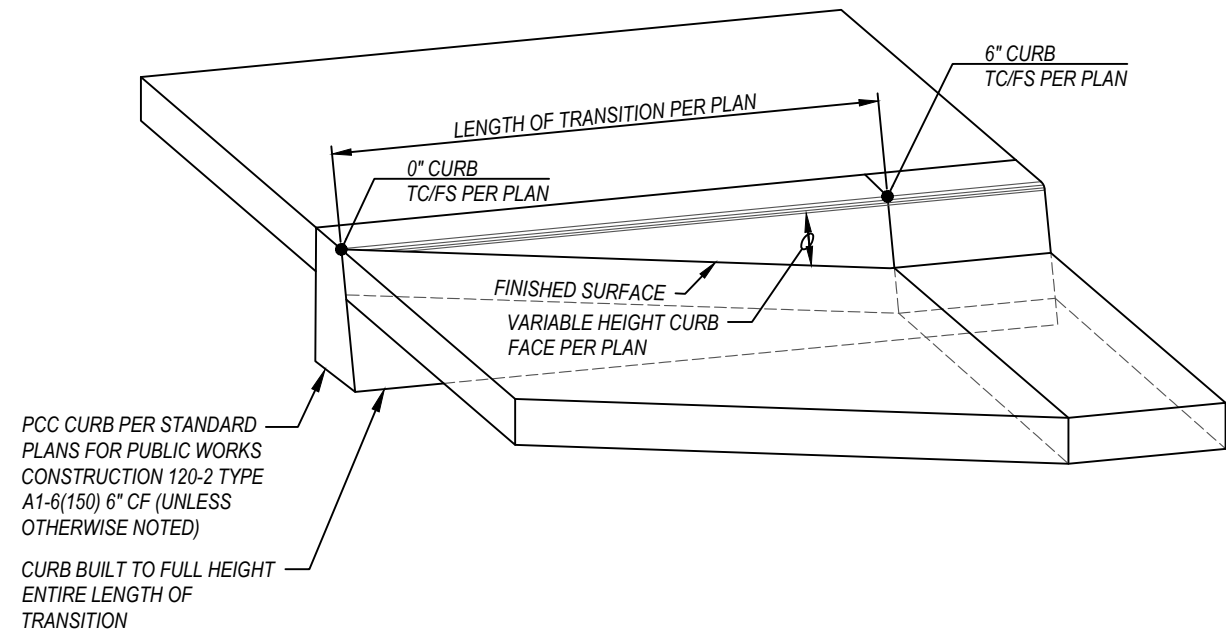
C-5.1  
CONSTRUCTION DOCUMENTS





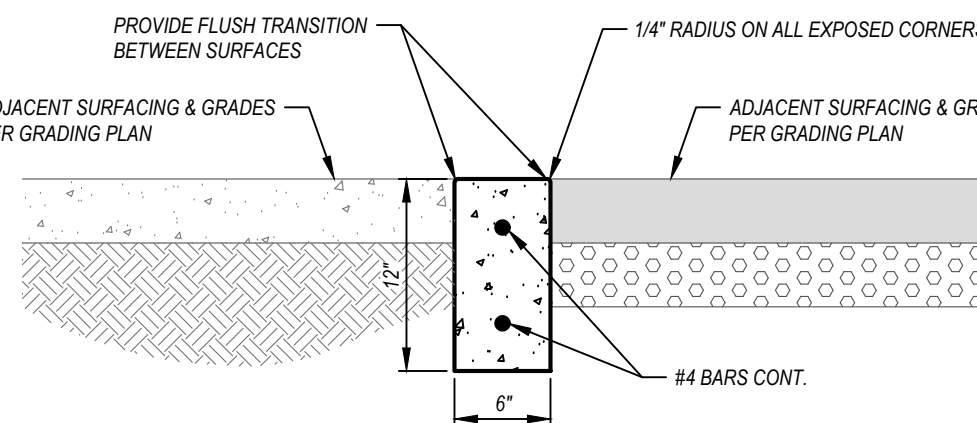
GRIND AND OVERLAY

JOIN & MATCH ASPHALT  
NOT TO SCALE

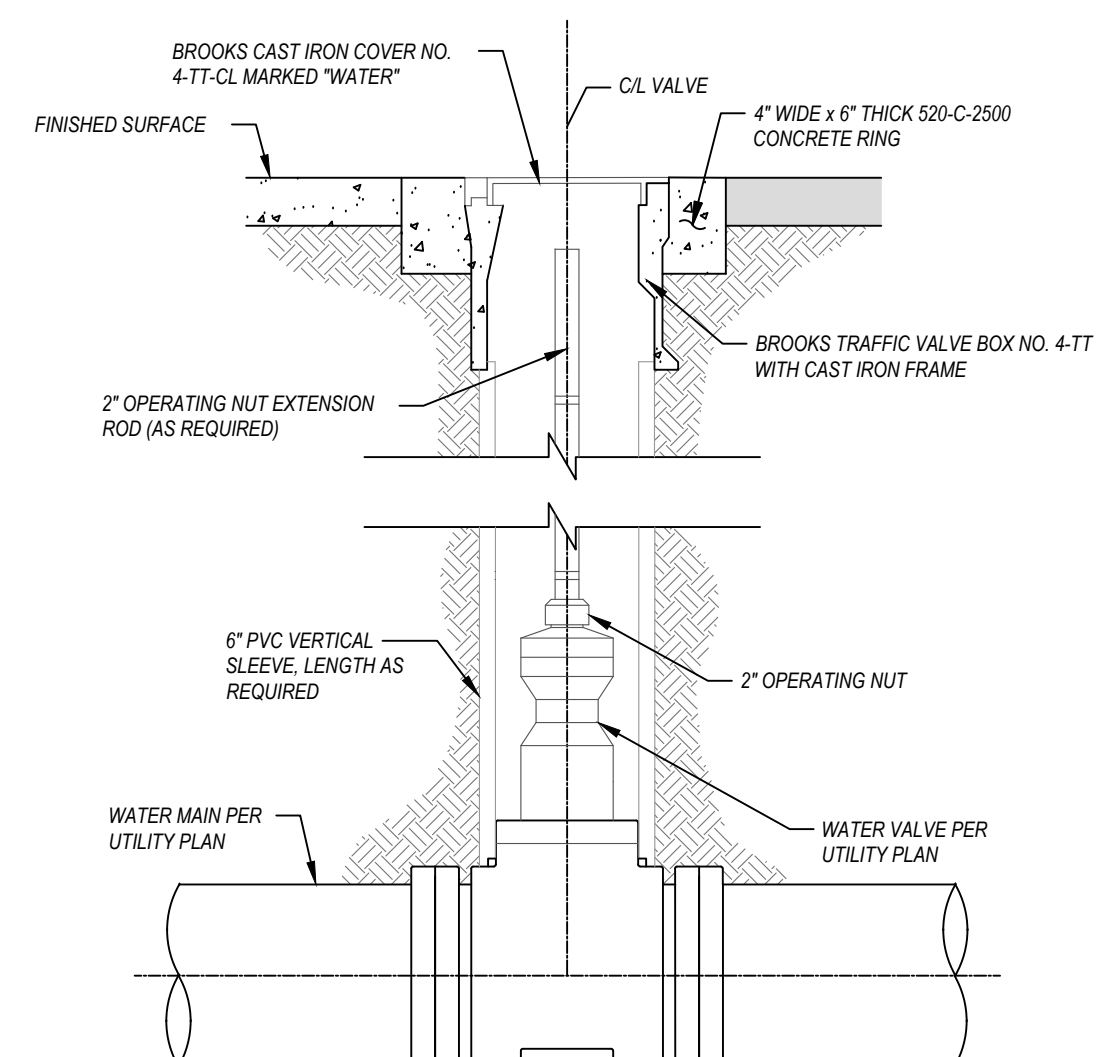


DETAIL "C"  
0'-6" CURB TRANSITION  
NOT TO SCALE

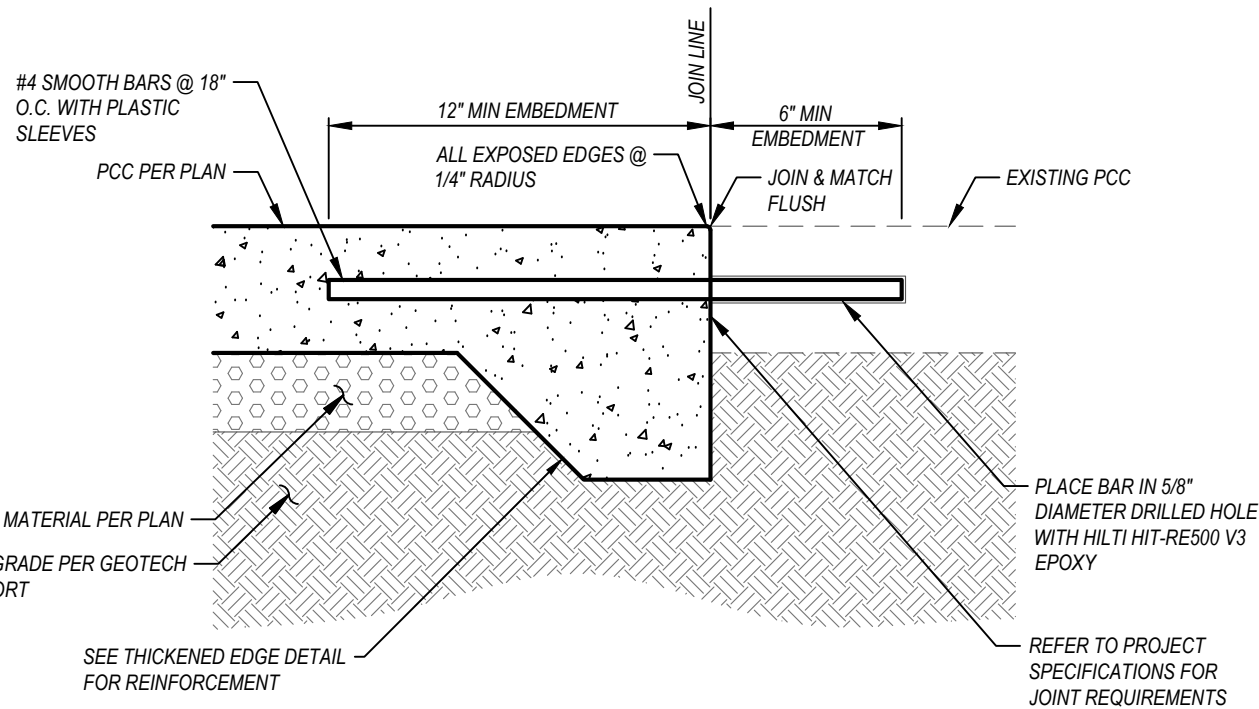
- NOTES:
1. CURB SHALL BE CONSTRUCTED OF 400-C-2000 PCC, MINIMUM (UNLESS OTHERWISE NOTED ON PLAN)
  2. TC AND FS ELEVATIONS PER GRADING PLAN



DETAIL "G"  
0' PCC CURB  
NOT TO SCALE

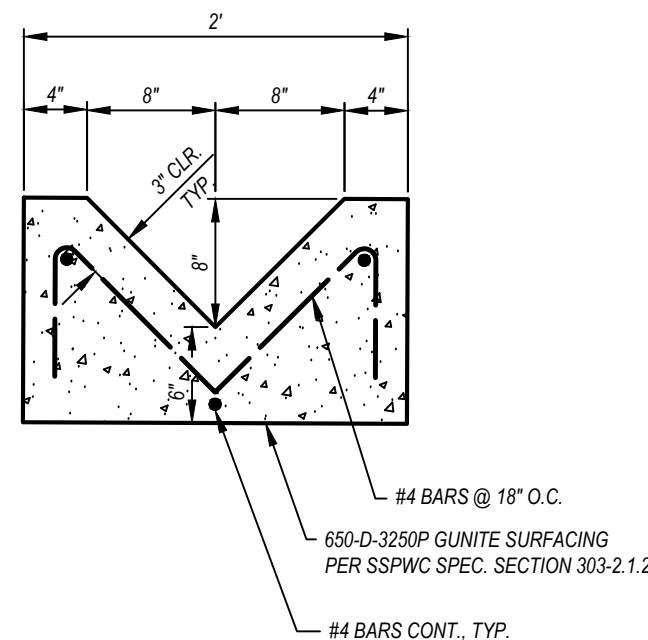


DETAIL "I"  
RSGV IN CAN  
NOT TO SCALE

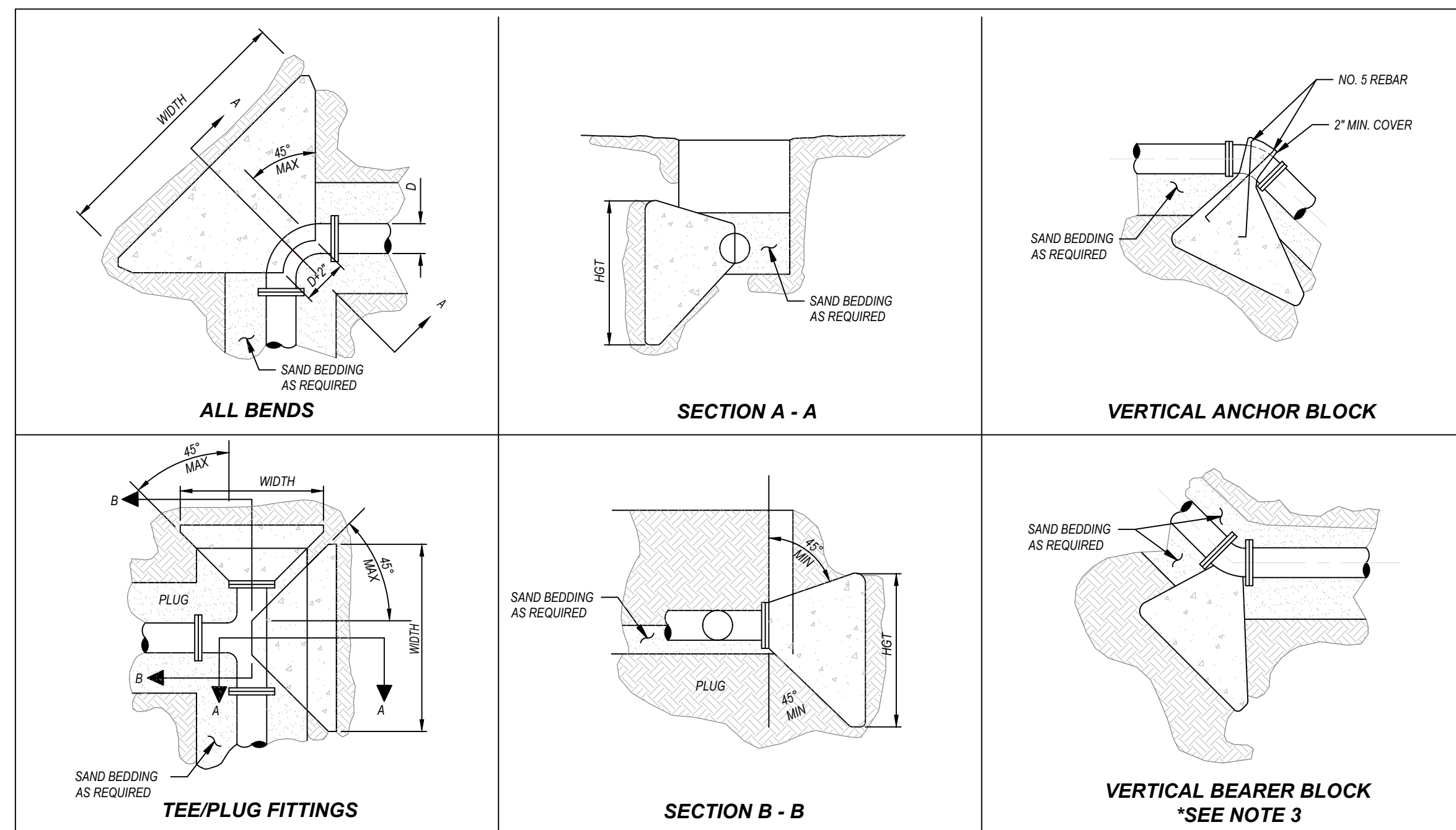


DOWELING DETAIL AT  
EXISTING PCC

JOIN & MATCH CONCRETE  
NOT TO SCALE

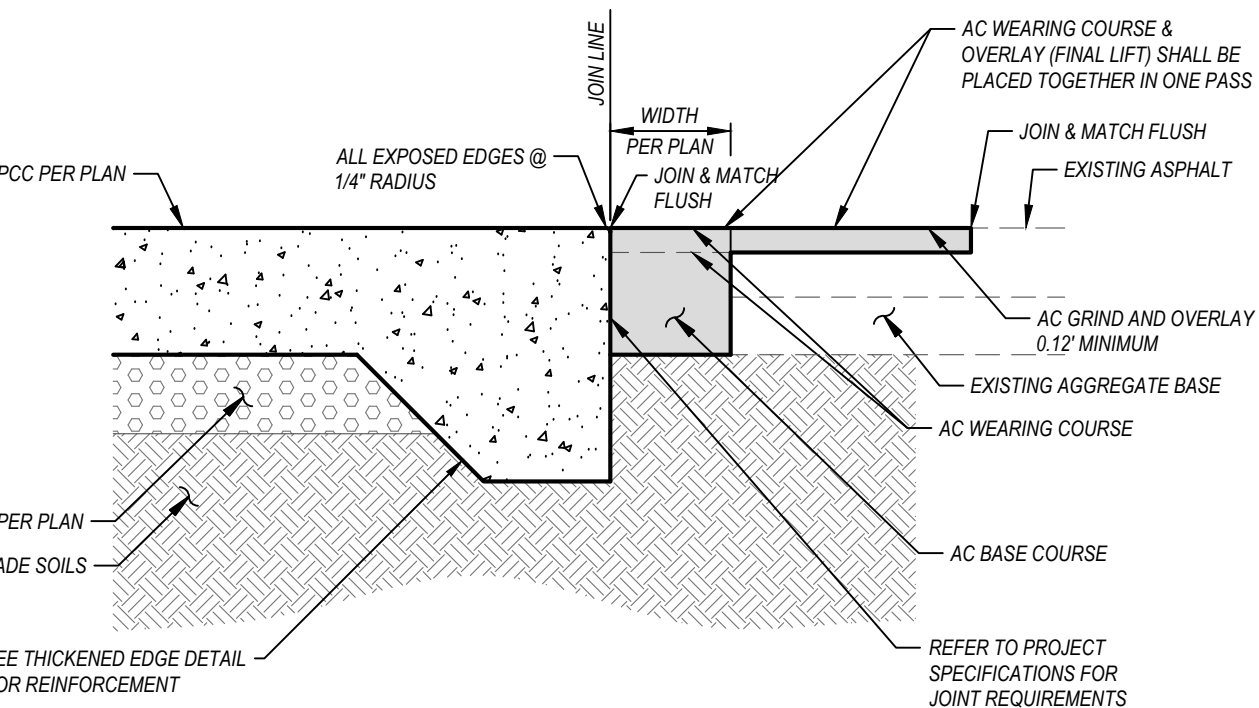


DETAIL "D"  
2' GUNITE V-DITCH  
NOT TO SCALE

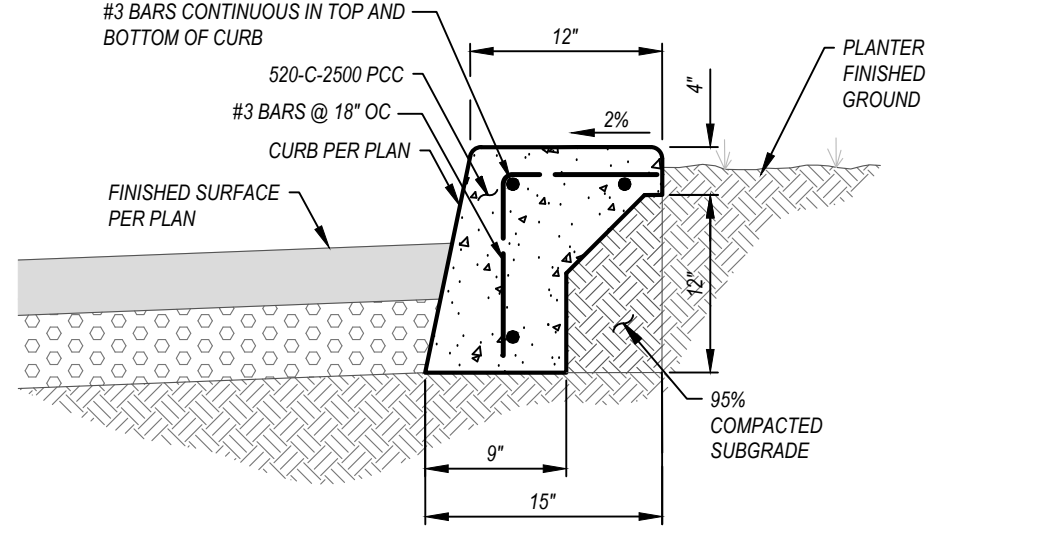


| PIPE SIZE (INCH) | TYPE OF FITTING | THRUST BLOCK TABLE               |  | BEARING AREA | VERT. ANCHOR BLOCK MIN. VOLUME (CUBIC FEET) |
|------------------|-----------------|----------------------------------|--|--------------|---|
|                  |                 | SAFE SOL. BEARING PRESSURE (PSF) | WORKING PRESSURE (150 PSI) NOT X WIDTH |              |   |
| 10               | TEE/PLUG        | 1500                             | 5.00' x 5.00'                          |              |   |
| 10               | 90° BEND        | 1500                             | 4.00' x 4.50'                          |              |   |
| 10               | 45° BEND        | 1500                             | 3.50' x 3.50'                          |              | 91  |
| 10               | 22.5° BEND      | 1500                             | 2.50' x 2.50'                          |              | 46  |
| 10               | 11.25° BEND     | 1500                             | 1.50' x 2.00'                          |              | 23  |
| 8                | TEE/PLUG        | 1500                             | 4.00' x 4.00'                          |              |   |
| 8                | 90° BEND        | 1500                             | 3.50' x 3.50'                          |              |   |
| 8                | 45° BEND        | 1500                             | 2.50' x 2.50'                          |              | 58  |
| 8                | 22.5° BEND      | 1500                             | 1.50' x 2.00'                          |              | 30  |
| 8                | 11.25° BEND     | 1500                             | 1.50' x 1.50'                          |              | 15  |
| 6                | TEE/PLUG        | 1500                             | 3.00' x 3.00'                          |              |   |
| 6                | 90° BEND        | 1500                             | 2.50' x 2.50'                          |              |   |
| 6                | 45° BEND        | 1500                             | 2.00' x 2.00'                          |              | 33  |
| 6                | 22.5° BEND      | 1500                             | 1.50' x 1.50'                          |              | 17  |
| 6                | 11.25° BEND     | 1500                             | 1.00' x 1.00'                          |              | 9   |
| 3.6              | TEE/PLUG        | 1500                             | 2.00' x 2.00'                          |              |   |
| 3.6              | 90° BEND        | 1500                             | 1.50' x 2.00'                          |              |   |
| 3.6              | 45° BEND        | 1500                             | 1.50' x 1.50'                          |              | 15  |
| 3.6              | 22.5° BEND      | 1500                             | 1.00' x 1.00'                          |              | 8   |
| 3.6              | 11.25° BEND     | 1500                             | 1.00' x 1.00'                          |              | 4   |

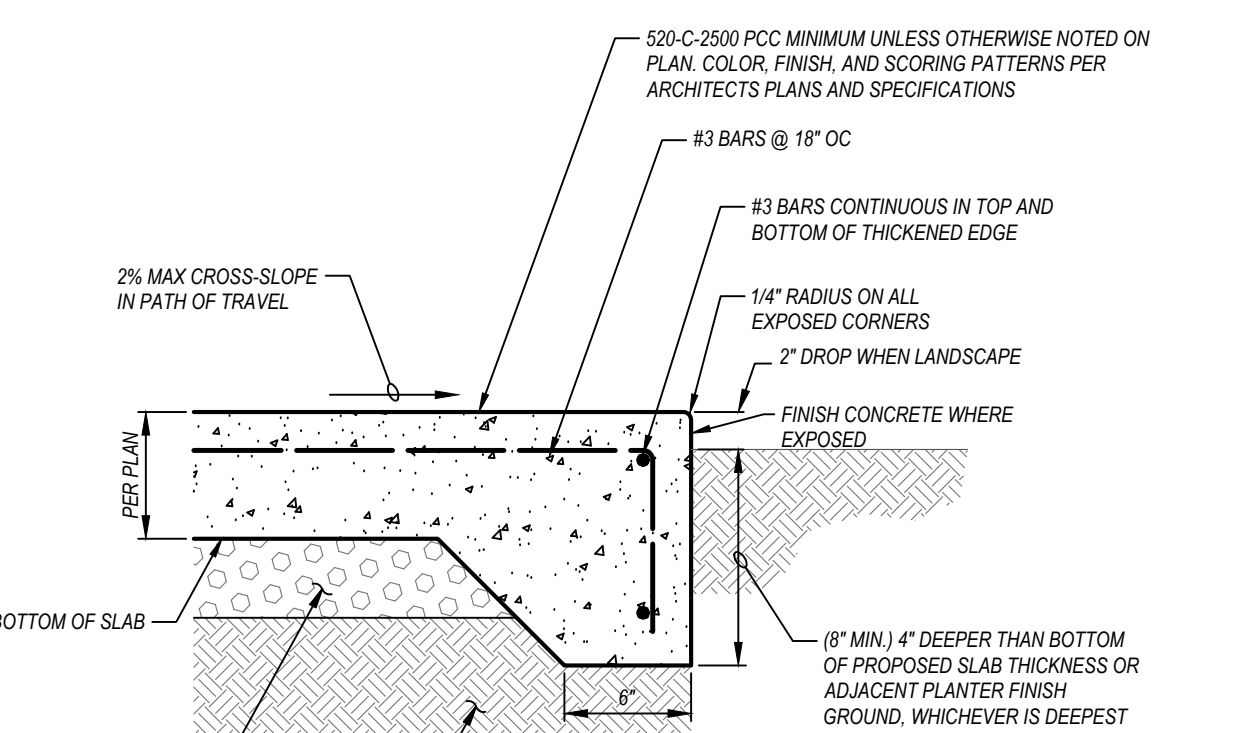
DETAIL "H"  
THRUST BLOCK SCHEDULE  
NOT TO SCALE



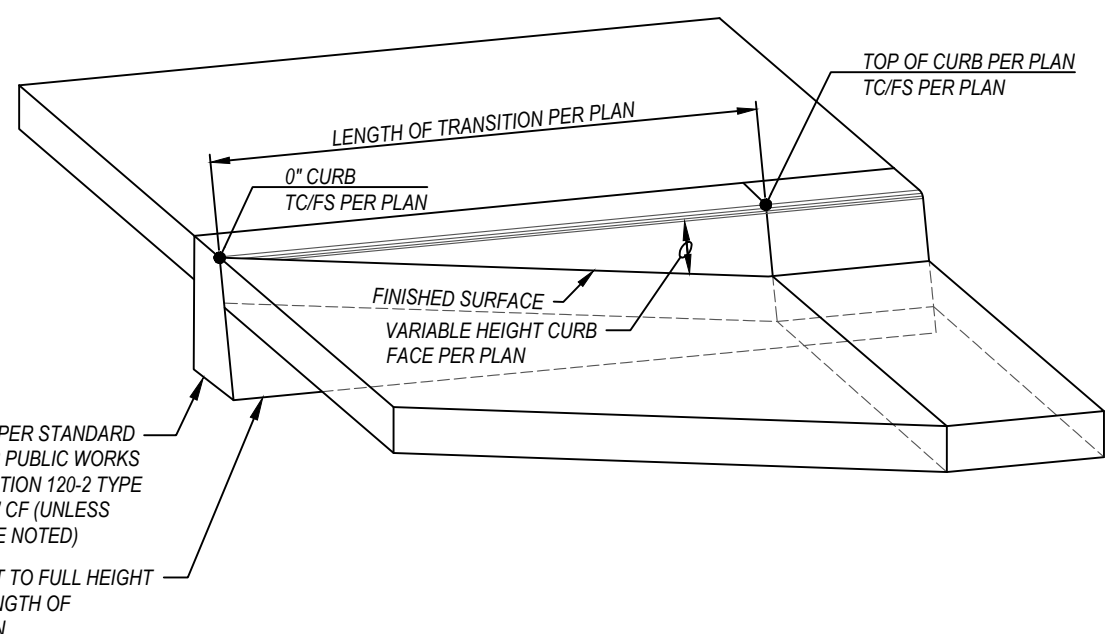
DETAIL "A"  
JOIN & MATCH ASPHALT  
NOT TO SCALE



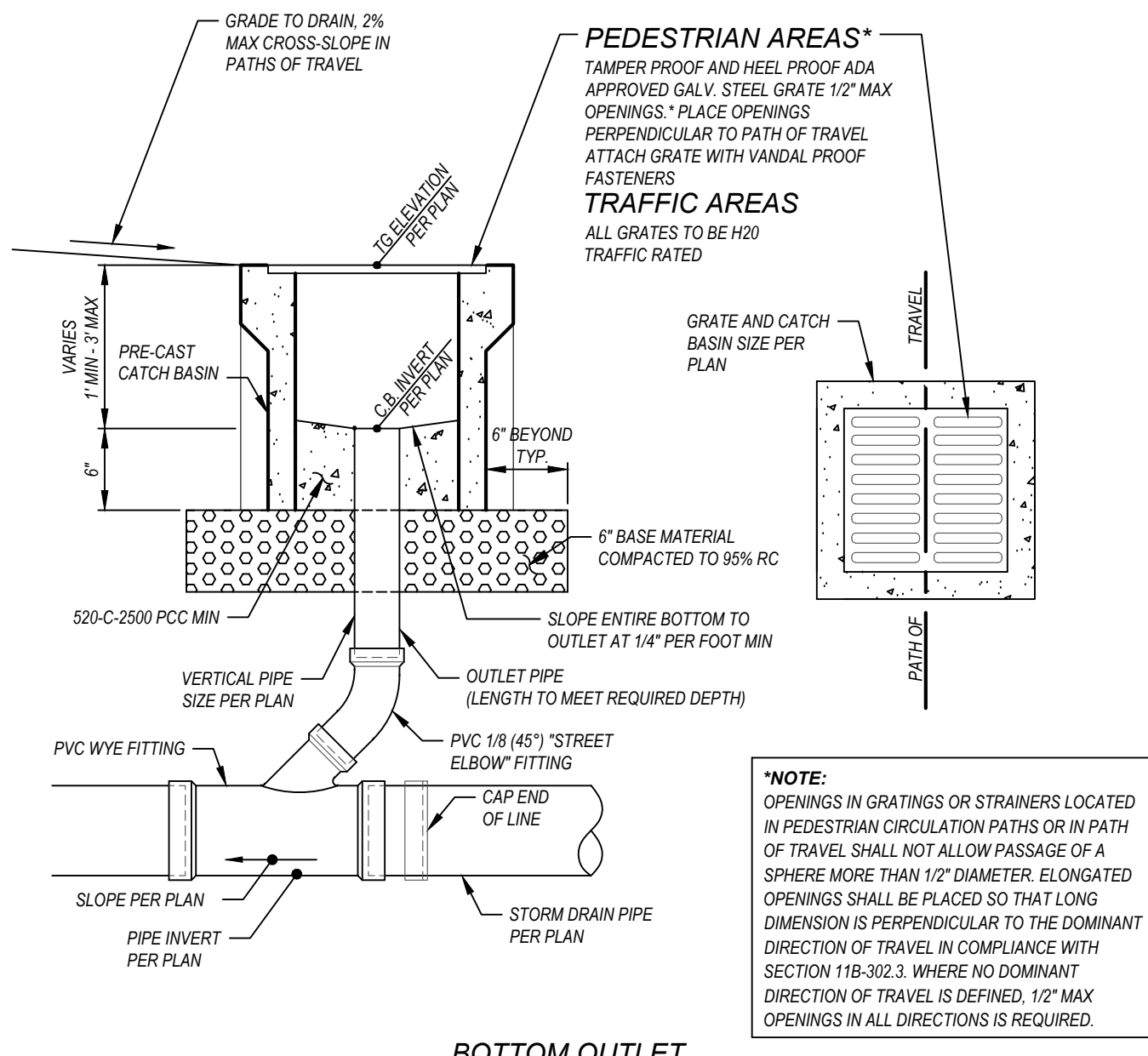
DETAIL "E"  
PCC CURB EXTENSION  
NOT TO SCALE



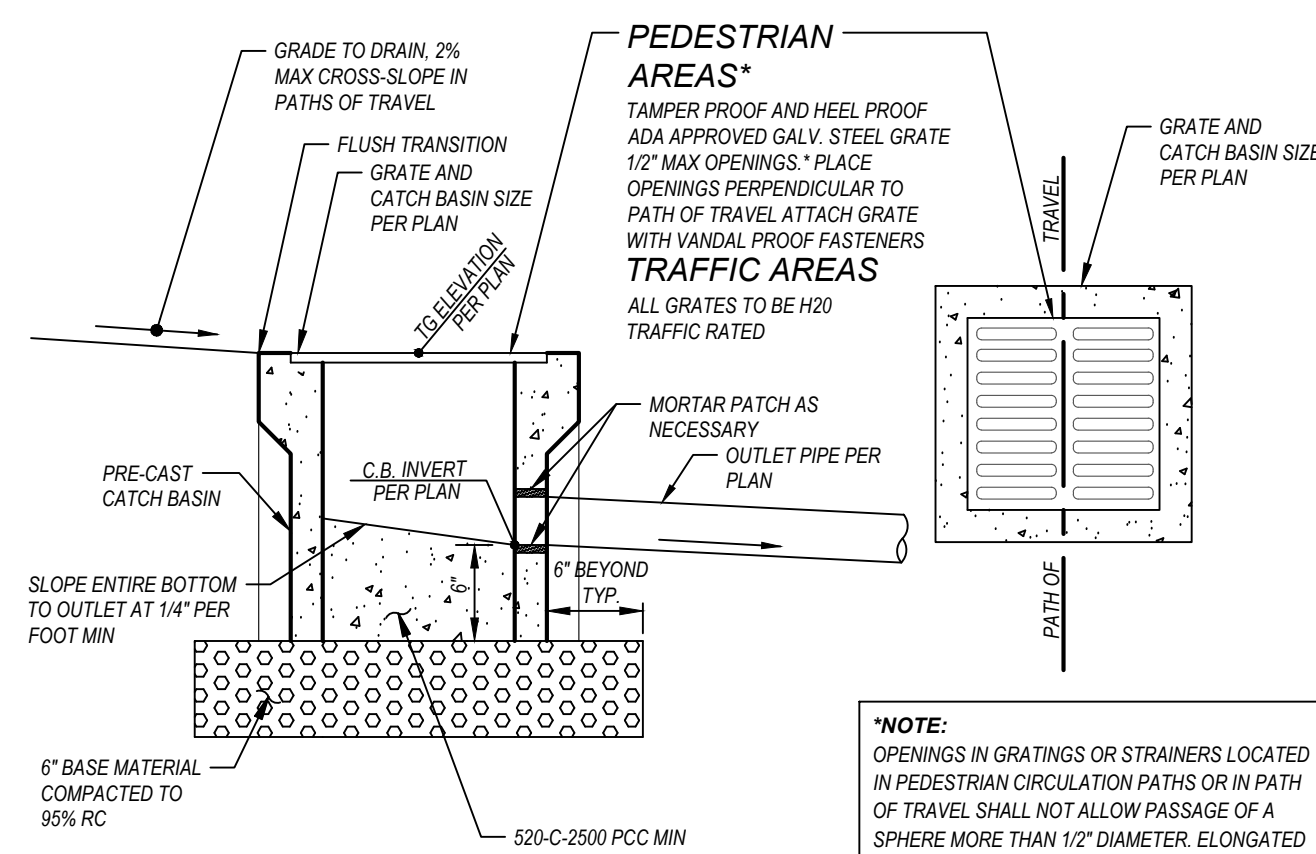
DETAIL "B"  
PCC WITH THICKENED EDGE  
NOT TO SCALE



DETAIL "F"  
0'-8" CURB TRANSITION  
NOT TO SCALE



BOTTOM OUTLET



DETAIL "J"  
PRECAST PCC CATCH BASINS  
NOT TO SCALE

## GRADING CONSTRUCTION NOTES

1. PROTECT IN PLACE EXISTING ITEM
2. ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE
3. JOIN PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION MATCH GRADE DOWELING FOR PCC ONLY
4. GRIND AND OVERLAY EXISTING ASPHALT SURFACE 0.12" MINIMUM PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION MATCH GRADE
5. SEE SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT
6. CONSTRUCT 4" AC OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION AND 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED
7. CONSTRUCT 4" PCC (300-C-2500) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION, WITH #3 BARS 18" O.C. BOTH WAYS, OVER 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS.
8. CONSTRUCT 6" PCC (300-C-3250) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION, WITH #3 BARS 18" O.C. BOTH WAYS, OVER 18" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS. STRUCTURAL SECTION IS TENTATIVE. SOIL TESTING SHALL BE PERFORMED PRIOR TO GRADING TO DETERMINE STRUCTURAL SECTION REQUIREMENTS.
9. CONSTRUCT CURB TYPE A1-6 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
10. CONSTRUCT CURB TYPE A2-8 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2
11. CONSTRUCT 0'-6" PCC (300-C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
12. CONSTRUCT V-DITCH PER DETAIL "D" ON SHEET C-6.1
13. FURNISH AND INSTALL SITE FENCING & GATES PER ARCHITECT'S PLANS AND SPECIFICATIONS
14. PAINT / APPLY ACCESSIBLE SIGNING / STRIPING / PAVEMENT MARKINGS PER ARCHITECT'S PLANS AND SPECIFICATIONS
15. CONSTRUCT PCC CURB EXTENSION PER DETAIL "E" ON SHEET C-6.1
16. CONSTRUCT CMU RETAINING WALL PER STRUCTURAL ENGINEER'S DETAILS
17. CONSTRUCT 0'-6" PCC (300-C-2500) CURB TRANSITION PER DETAIL "F" ON SHEET C-6.1
18. CONSTRUCT 0' PCC (300-C-2500) CURB ONLY PER DETAIL "G" ON SHEET C-6.1
19. CONSTRUCT FREE STANDING WALL PER ARCHITECT'S DETAILS AND SPECIFICATIONS
20. CONSTRUCT COLUMN PER ARCHITECT'S DETAILS AND SPECIFICATIONS
21. CONSTRUCT MOW CURB PER ARCHITECT'S DETAILS AND SPECIFICATIONS
22. CONSTRUCT TRUNCATED DOME PER ARCHITECT'S DETAIL
23. FURNISH AND INSTALL HANDRAILS PER ARCHITECT'S DETAILS ON SHEET A1.32 AND SPECIFICATIONS
24. CONSTRUCT WEEP HOLES PER STRUCTURAL ENGINEER'S PLANS, DETAILS, AND SPECIFICATIONS
25. CONSTRUCT CURB TYPE A1-6 PER SPWPC STANDARD PLAN 120-2 ON SHEET C-6.2

## UTILITY CONSTRUCTION NOTES

FURNISH & INSTALL ALL PIPING PER UTILITY TABLES ON SHEET C-4.1

### DOMESTIC WATER AND LANDSCAPE WATER

1. CONNECT TO EXISTING WATER LINE
2. CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
3. FURNISH & INSTALL 2" LANDSCAPE REDUCED PRESSURE PRINCIPLE ASSEMBLY (ZURN MODEL 3753C, OR APPROVED EQUAL) PER CUTSHEET ON C-6.2

### FIRE

1. NOTE NOT USED
2. CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
3. FURNISH & INSTALL FIRE HYDRANT ASSEMBLY (JONES 400 BR, CR OR DR) PER MANUFACTURER'S DETAILS ON SHEET C-6.2 FIRE HYDRANT BREAK AWAY SPOOL & BURY TO HAVE MATCHING R.O.I.S. PATTERNS
4. FURNISH & INSTALL 6" GATE VALVE (MULLER RESILIENT WEDGE W/P OR APPROVED EQUAL) W/ RSGV CAN PER DETAIL "I" ON SHEET C-6.1 AND CUTSHEET ON C-6.2
5. NOTE NOT USED
6. NOTE NOT USED
7. FURNISH & INSTALL 8" DETECTOR CHECK ASSEMBLY (ZURN WILKINS MODEL 380AST) PER CUTSHEET ON SHEET

### SEWER

1. CONNECT TO EXISTING SEWER LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING SEWER PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
2. CONSTRUCT PVC SEWER CLEANOUT PER DETAIL "K" ON SHEET C-6.2
3. CONSTRUCT SEWER MANHOLE PER SPWPC 2009 ED. STD. PLAN 200-3 PER CUTSHEET ON SHEET C-6.3
4. FURNISH & INSTALL SEWER GONDER PUMP (T.E. ONE SEWER SYSTEMS' MODEL DHO17 OR APPROVED EQUAL) PER CUTSHEET ON SHEET C-6.3

### STORM DRAIN

1. CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING STORM DRAIN PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
2. FURNISH & INSTALL 12" X 12" PREFABRICATED CATCH BASIN (J&R CB1212 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
3. FURNISH & INSTALL 24" X 24" PREFABRICATED CATCH BASIN (J&R CB1212 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
4. CONSTRUCT PVC STORM DRAIN CLEANOUT PER DETAIL "K" ON SHEET C-6.2
5. CONSTRUCT CURB OUTLET STRUCTURE PER CUTSHEET ON C-6.3
6. FURNISH AND INSTALL RETAINING WALL SUB-DRAINAGE PERFORMED PIPE PER DETAIL "N" ON SHEET C-6.2
7. CORE THROUGH EXISTING CURB 0.041" ABOVE EXISTING FLOWLINE

CONSULTANT



DETAIL SHEET

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS



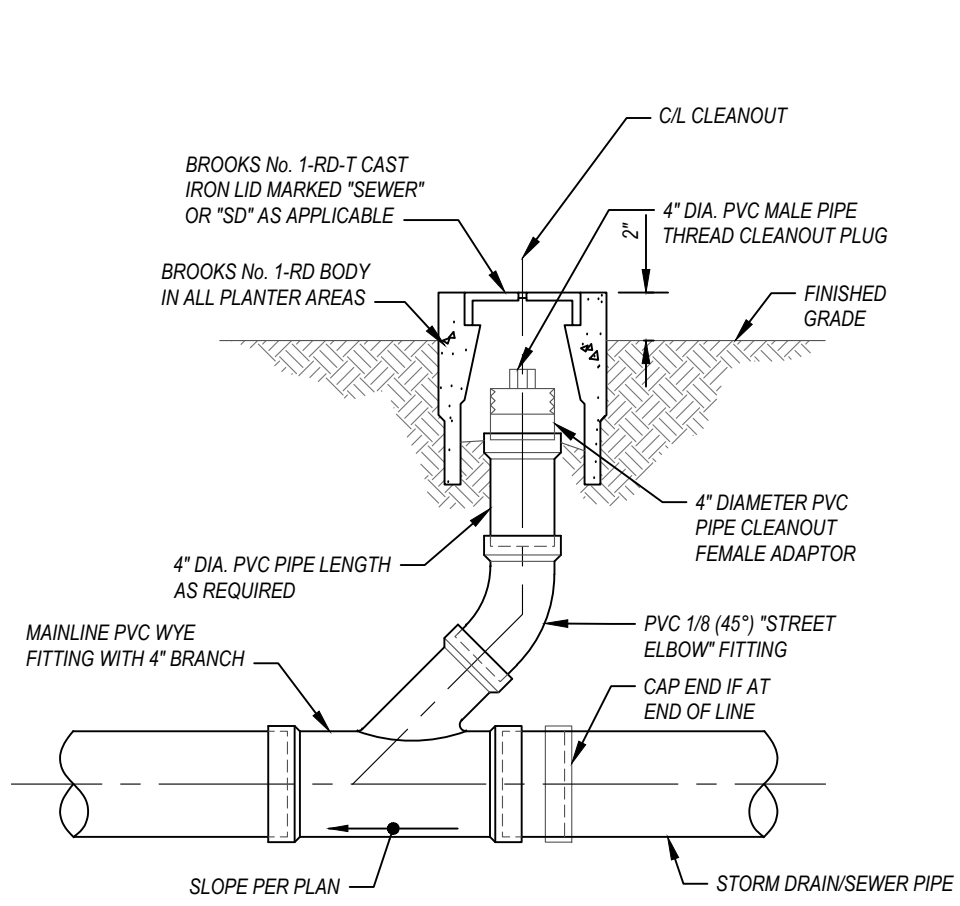
PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/28/2025  
DATE: 11/12/2025  
ADDITION 1

44

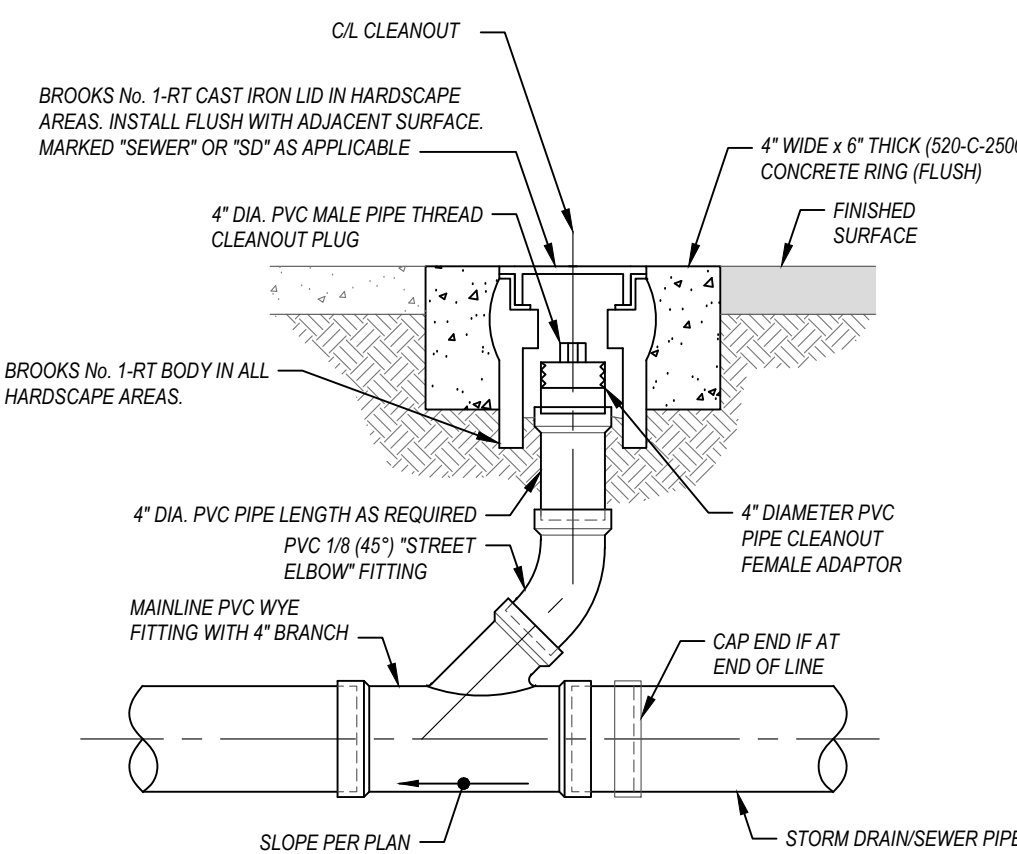
C-6.1  
CONSTRUCTION DOCUMENTS



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LAST PLOTTED ON: 11/12/2025 11:22:05

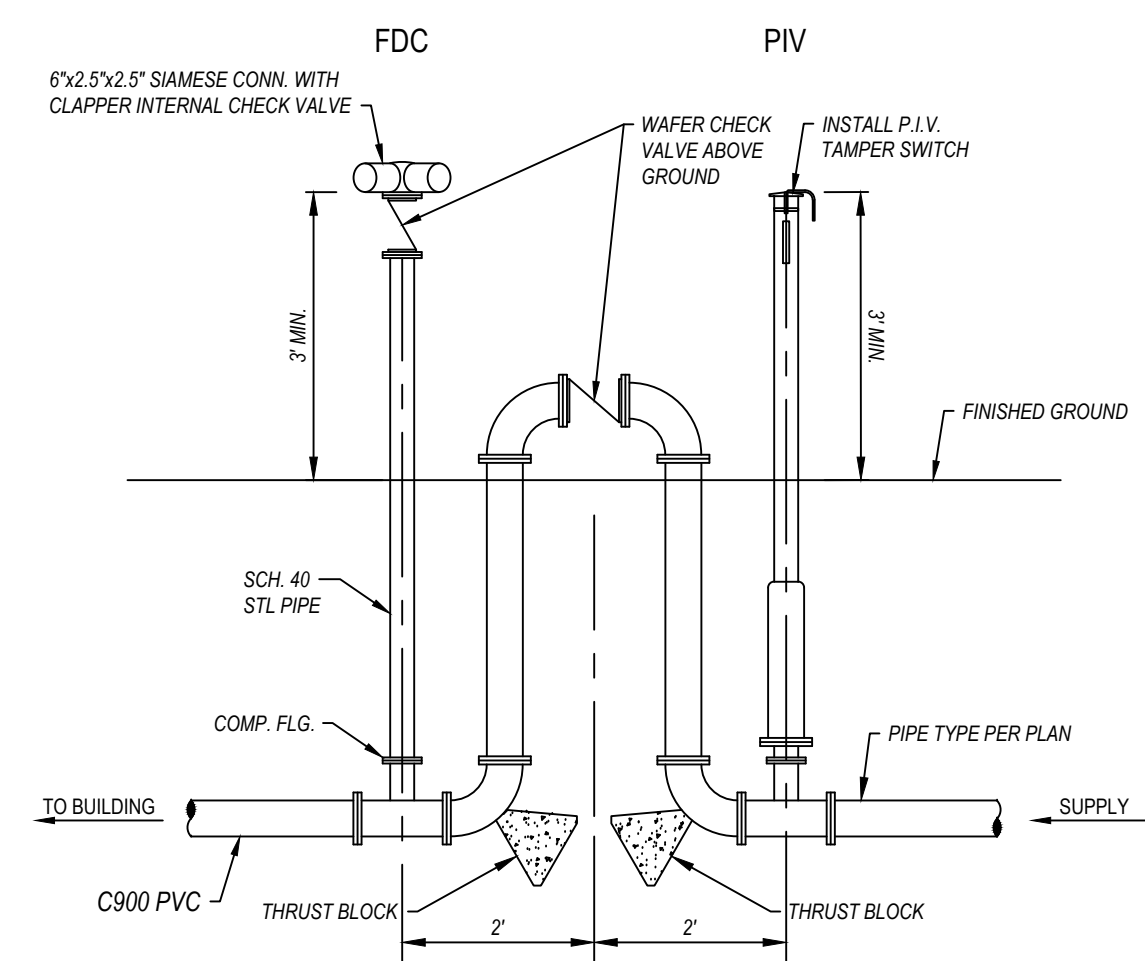


CLEANOUT IN PLANTER AREA

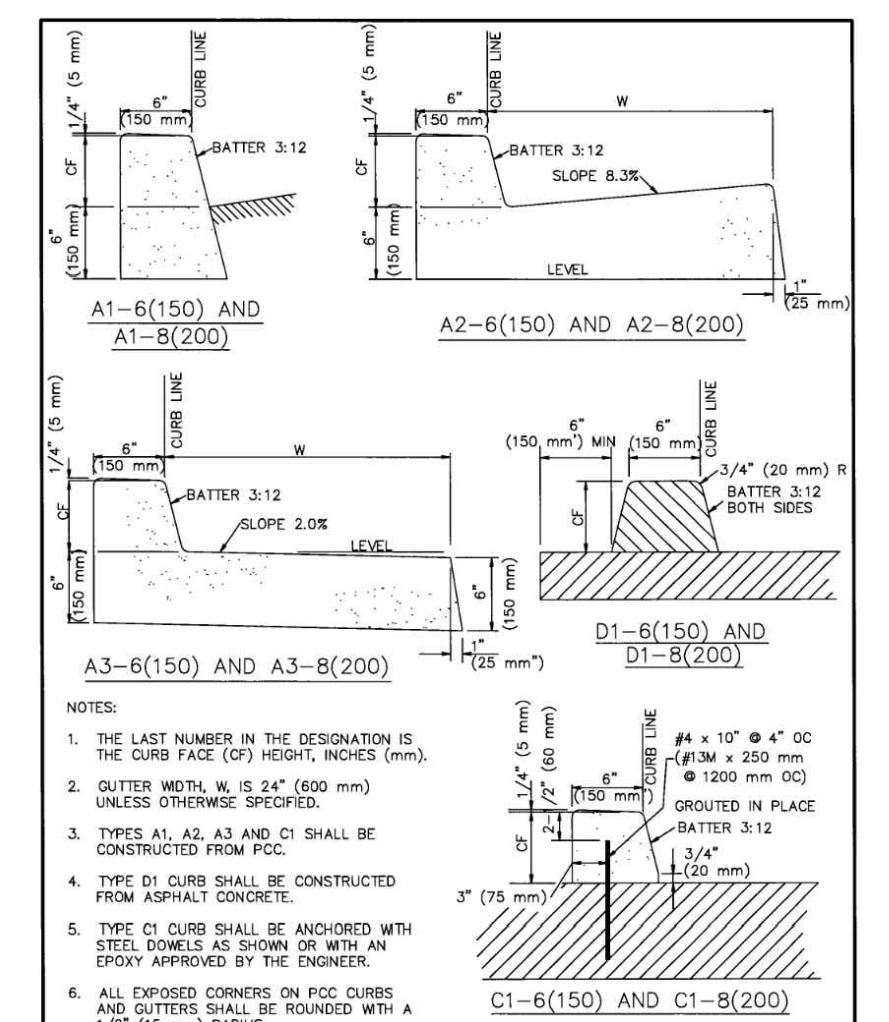


CLEANOUT IN HARDSCAPE

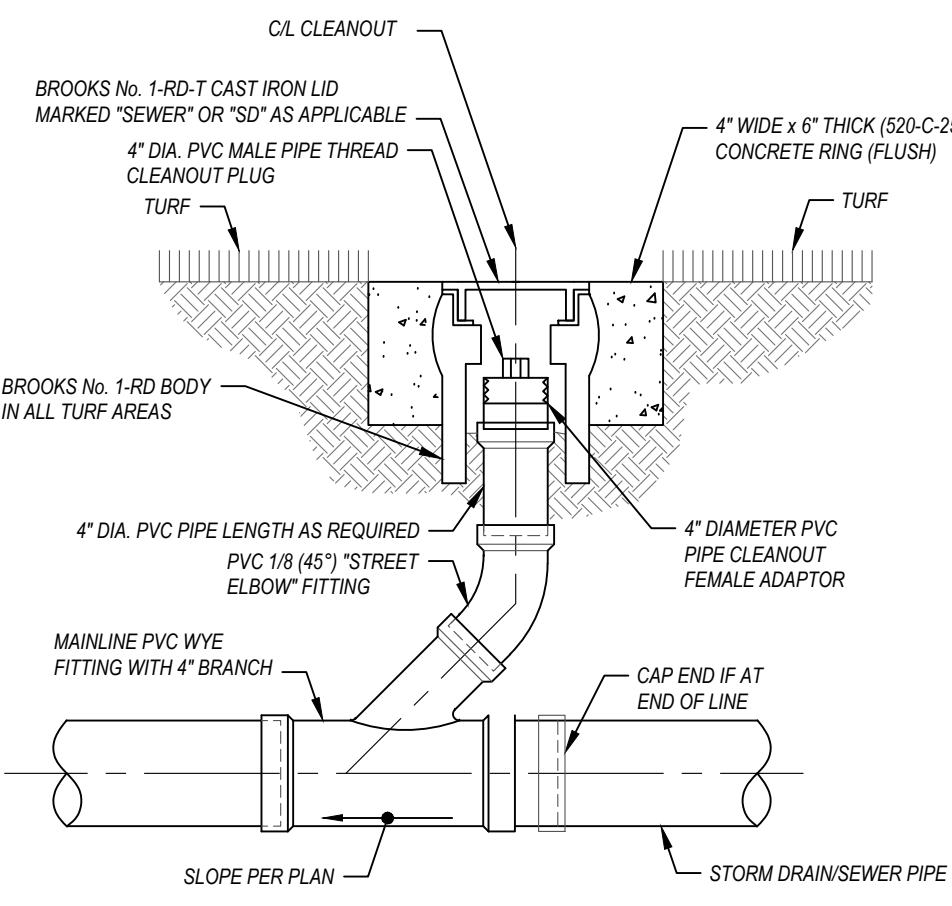
DETAIL "K"  
PVC PIPE CLEANOUT  
NOT TO SCALE



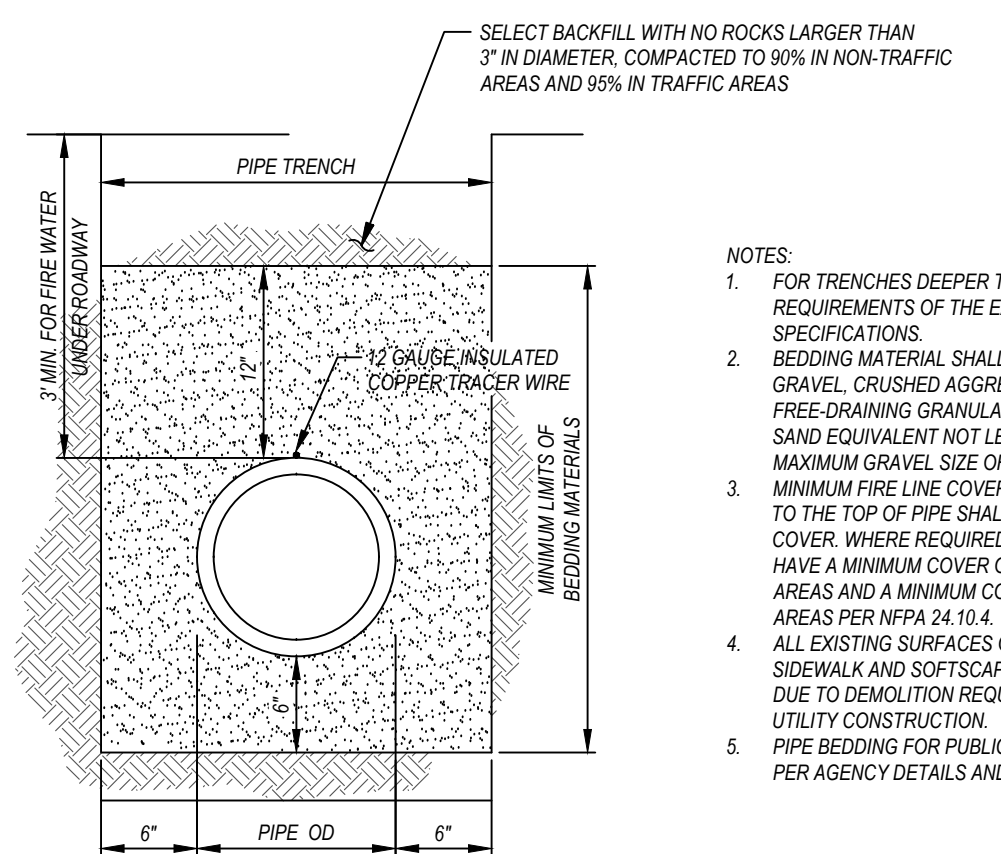
DETAIL "L"  
POST INDICATOR/FIRE DEPARTMENT  
CONNECTION DETAIL  
NOT TO SCALE



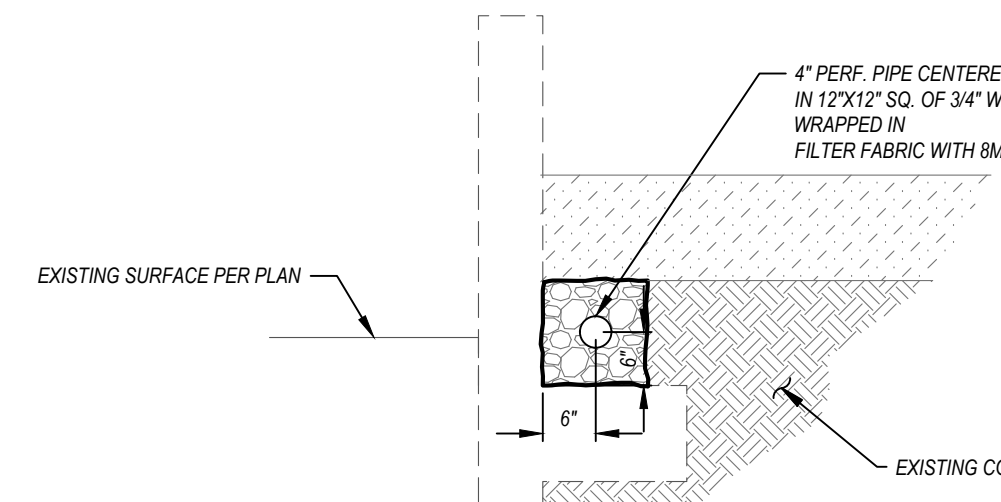
SPPWC STD PLAN 120-2  
NOT TO SCALE



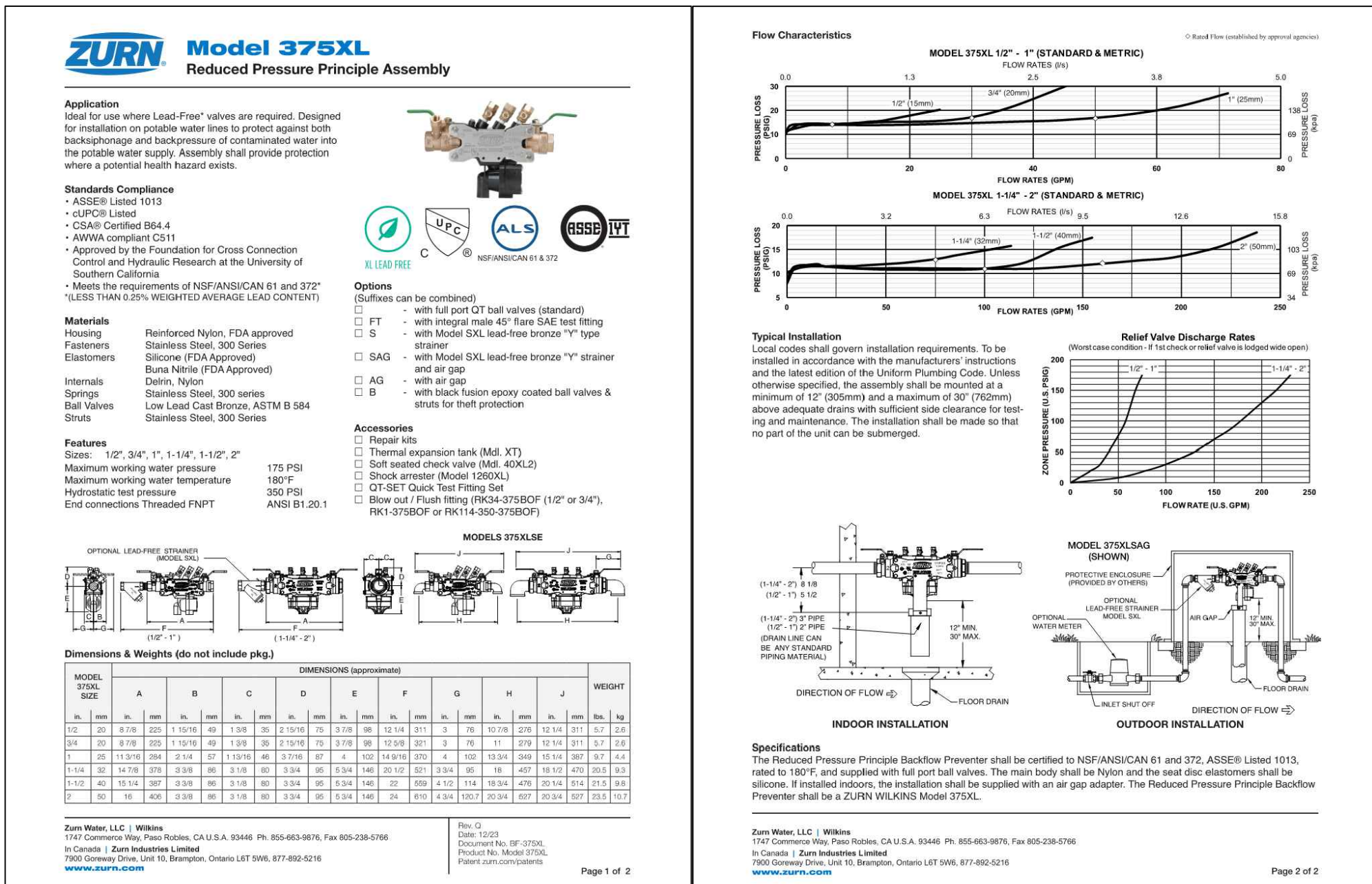
CLEANOUT IN GRASSY AREAS



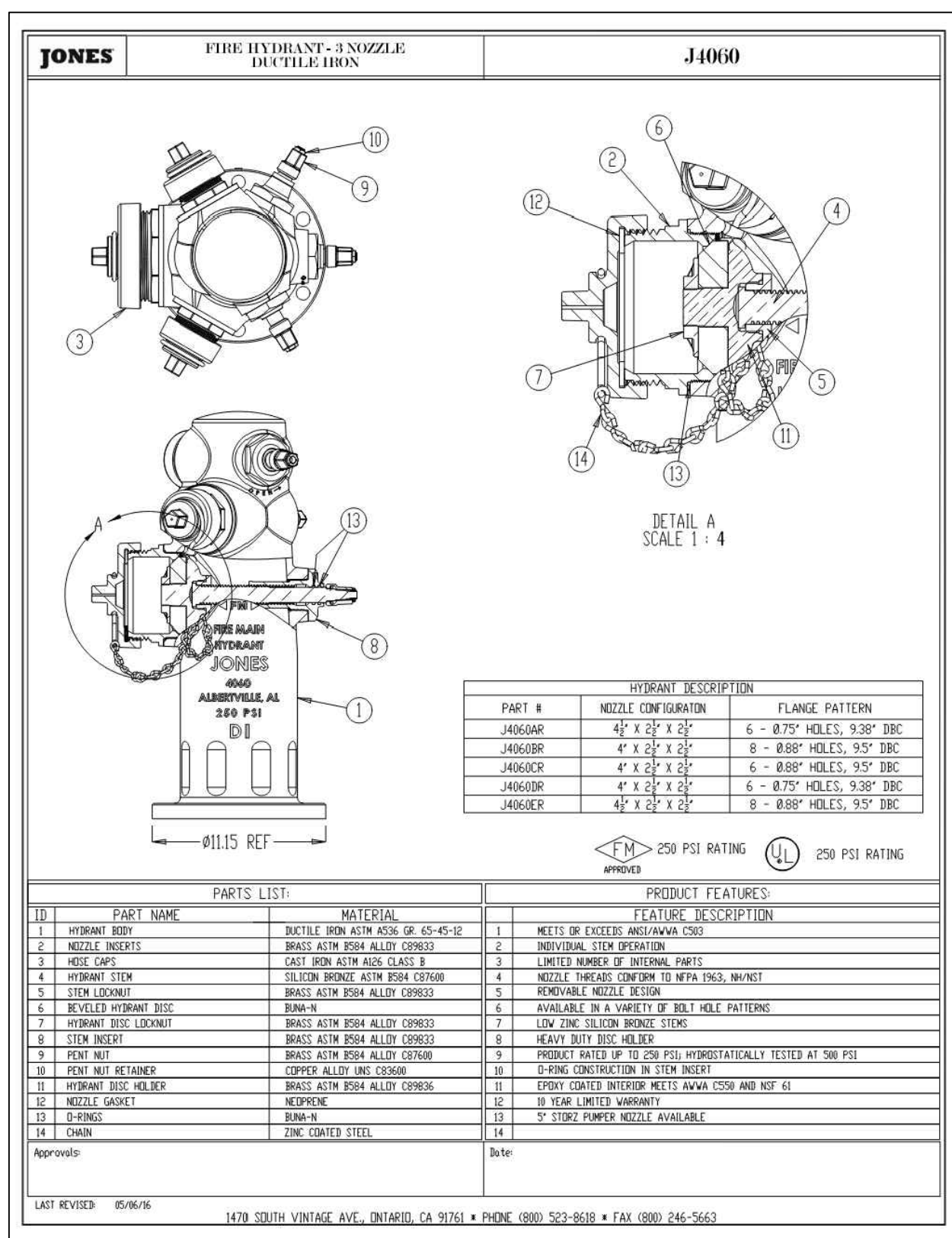
TYPICAL UTILITY TRENCH  
NOT TO SCALE



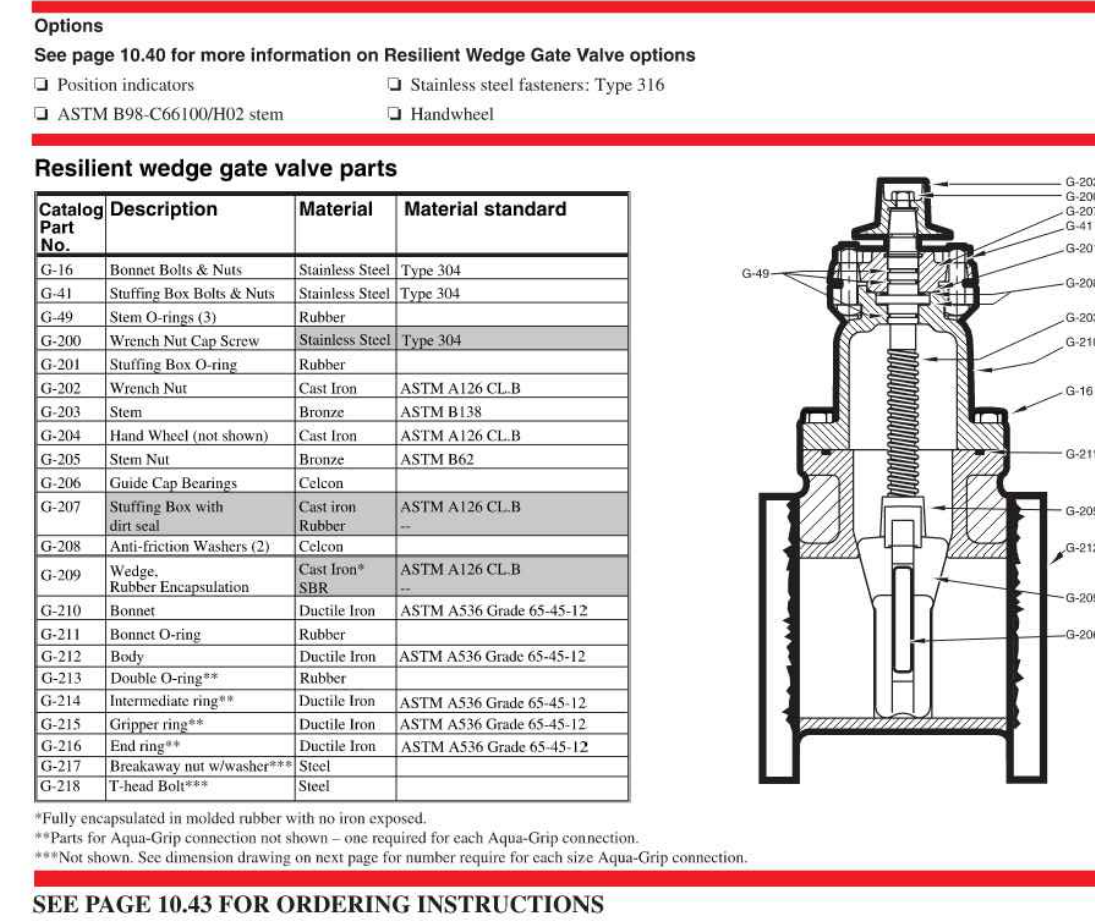
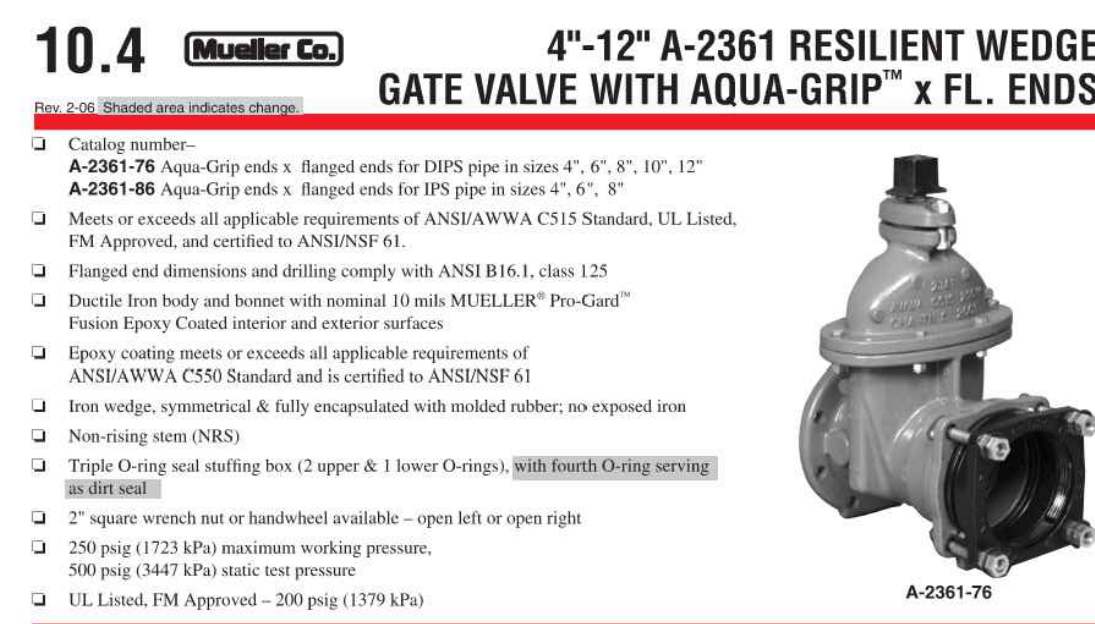
DETAIL "M"  
RETAINING WALL SUBDRAIN  
NOT TO SCALE



LANDSCAPE RP DEVICE  
NOT TO SCALE



FIRE HYDRANT ASSEMBLY  
NOT TO SCALE



MUELLER GATE VALVE  
NOT TO SCALE

GRADING CONSTRUCTION NOTES

- PROTECT IN PLACE EXISTING ITEM
- ADJUST EXISTING ITEM TO PROPOSED FINISHED GRADE
- ADJUST PROPOSED SURFACE TO EXISTING SURFACE PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION MATCH GRADE DOWNWARD FOR PCC ONLY
- SPREAD AND OVERLAY EXISTING ASPHALT SURFACE 0.12" MINIMUM PER DETAIL "A" ON SHEET C-6.1 WITH FLUSH TRANSITION MATCH GRADE
- SEE SITE UTILITY PLAN FOR IDENTIFICATION OF OBJECT
- CONSTRUCT 4" AG OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION AND 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED
- CONSTRUCT 4" PCC (200-C-2500) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION, WITH #3 BARS 18" O.C. BOTH WAYS, OVER 12" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. FINAL PAVEMENT SECTION SHALL BE BASED UPON R-VALUE TESTING PERFORMED ON A REPRESENTATIVE SOIL SAMPLE COLLECTED WHEN SUB-GRADE ELEVATION IS REACHED. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS
- CONSTRUCT 6" PCC (600-C-3250) OVER 4" CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE COMPACTION, WITH #3 BARS 18" O.C. BOTH WAYS, OVER 18" SUBGRADE COMPACTED TO 90% RELATIVE COMPACTION WITH THICKENED EDGE PER DETAIL "B" ON SHEET C-6.1. SCORING PATTERNS, COLOR AND FINISH PER ARCHITECT'S PLANS AND SPECIFICATIONS. STRUCTURAL SECTION IS TENTATIVE. SOIL TESTING SHALL BE PERFORMED PRIOR TO GRADING TO DETERMINE STRUCTURAL SECTION REQUIREMENTS
- CONSTRUCT CURB TYPE A1-6 PER SPPWC STANDARD PLAN 120-2 ON SHEET C-6.2
- CONSTRUCT CURB TYPE A2-8 PER SPPWC STANDARD PLAN 120-2 ON SHEET C-6.2
- CONSTRUCT 0'-6" PCC (200-C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
- CONSTRUCT V-DITCH PER DETAIL "D" ON SHEET C-6.1
- PAIN / APPLY ACCESSIBLE SIGNING / STRIPING / PAVEMENT MARKINGS PER ARCHITECT'S PLANS AND SPECIFICATIONS
- CONSTRUCT CURB TYPE A1-6 PER SPPWC STANDARD PLAN 120-2 ON SHEET C-6.1
- CONSTRUCT CMU RETAINING WALL PER STRUCTURAL ENGINEER'S DETAILS
- CONSTRUCT 0'-6" PCC (200-C-2500) CURB TRANSITION PER DETAIL "C" ON SHEET C-6.1
- CONSTRUCT 0' PCC (200-C-2500) CURB ONLY PER DETAIL "G" ON SHEET C-6.1
- CONSTRUCT FREE STANDING WALL PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT COLUM PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT MOW CURB PER ARCHITECT'S DETAILS AND SPECIFICATIONS
- CONSTRUCT TRUNCATED DOME PER ARCHITECT'S DETAIL
- FURNISH AND INSTALL HANDRAILS PER ARCHITECT'S DETAILS ON SHEET A1.32 AND SPECIFICATIONS
- CONSTRUCT WEEP HOLES PER STRUCTURAL ENGINEER'S PLANS, DETAILS, AND SPECIFICATIONS
- CONSTRUCT CURB TYPE A1-6 PER SPPWC STANDARD PLAN 120-2 ON SHEET C-6.2

UTILITY CONSTRUCTION NOTES

FURNISH & INSTALL ALL PIPING PER UTILITY TABLES ON SHEET C-4.1

DOMESTIC WATER AND LANDSCAPE WATER

- CONNECT TO EXISTING WATER LINE
- CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
- FURNISH & INSTALL 2" LANDSCAPE REDUCED PRESSURE PRINCIPLE ASSEMBLY (ZURN MODEL 375XL OR APPROVED EQUAL) PER CUTSHEET ON C-6.2

FIRE

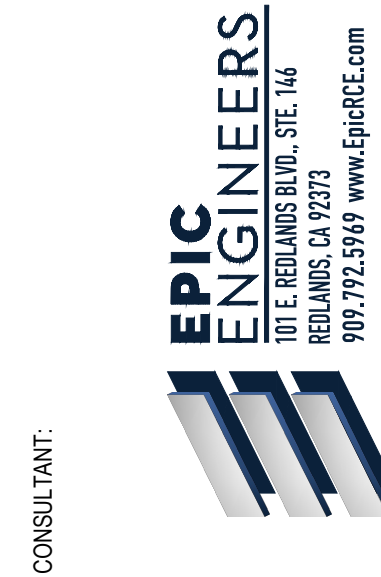
- NOTE NOT USED
- CONSTRUCT THRUST BLOCK PER DETAIL "H" ON SHEET C-6.1
- FURNISH & INSTALL FIRE HYDRANT ASSEMBLY (JONES 400B/CR OR DR) PER MANUFACTURER'S DETAILS ON SHEET C-6.2 FIRE HYDRANT BREAK AWAY SPOOL & BURY TO HAVE MATCHING R/S TO PATTERNS
- FURNISH & INSTALL 6" GATE VALVE (MUELLER RESILIENT WEDGE (P) OR APPROVED EQUAL) IN R/SV CAN PER DETAIL "I" ON SHEET C-6.1 AND CUT SHEET ON C-6.2
- NOTE NOT USED
- NOTE NOT USED
- FURNISH & INSTALL 8" DETECTOR CHECK ASSEMBLY (ZURN WILKINS MODEL 380AST) PER CUTSHEET ON SHEET

SEWER

- CONNECT TO EXISTING SEWER LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING SEWER PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- CONSTRUCT PVC SEWER CLEANOUT PER DETAIL "K" ON SHEET C-6.2
- CONSTRUCT SEWER MANHOLE PER SPPWC 2009 ED. STD. PLAN 200.3 PER CUTSHEET ON SHEET C-6.3
- FURNISH & INSTALL SEWER GROUND PUMP (P) ONE SEWER SYSTEMS' MODEL DWH01 OR APPROVED EQUAL) PER CUTSHEET ON SHEET C-6.3

STORM DRAIN

- CONNECT TO EXISTING STORM DRAIN LINE. CONTRACTOR TO EXPOSE AND CLEAN OUT EXISTING STORM DRAIN PIPES AND FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION AND CONTACT EPIC ENGINEERS WITH RESULTS FOR VERIFICATION TO PROCEED PRIOR TO ANY CONSTRUCTION
- FURNISH & INSTALL 12" x 12" PREFABRICATED CATCH BASIN (J&R CB1212 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- FURNISH & INSTALL 24" x 24" PREFABRICATED CATCH BASIN (J&R CB1212 OR APPROVED EQUAL) PER DETAIL "J" ON SHEET C-6.1
- CONSTRUCT PVC STORM DRAIN CLEANOUT PER DETAIL "K" ON SHEET C-6.2
- CONSTRUCT CURB OUTLET STRUCTURE PER CUTSHEET ON C-6.3
- FURNISH AND INSTALL RETAINING WALL SUB-DRAINAGE PERFORMED PIPE PER DETAIL "N" ON SHEET C-6.2
- CORE THROUGH EXISTING CURB 0.041' ABOVE EXISTING FLOWLINE



CONSULTANT

DETAIL SHEET

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



SEALS

PROJECT NUMBER: 23-06102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/28/2025  
DATE: 11/12/2025  
DESCRIPTION: ADEQUUM 1

C-6.2  
CONSTRUCTION DOCUMENTS



## ZURN Model 350ASTDA Double Check Detector Assembly

**Application**  
Designed for installation on water lines in fire protection systems to protect against both back-siphonage and back-pressure of polluted water into the potable water supply. Model 350ASTDA shall provide protection where a potential health hazard does not exist. Incorporates relief to pass to street water and unaffiliated water use.

**Standards Compliance (Horizontal & Vertical)**

- ASSEI Listed 1048
- AWWA Compliant C150 (with gates only) and C155
- UL Classified
- C-UL Classified
- FMI Approved
- CSA Certified B94.5
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- Meets the requirements of NSF/ANSI/CAN 61
- 0.25 MAX. WEIGHTED AVERAGE LEAK COEFFICIENT

**By-Phase Backflow Assembly** 2" to 16" (50 to 400 mm)

**Materials**

- Main valve body: 304L Stainless steel
- Accessories: 304L Stainless steel, 300 Series NORYL™
- Fasteners & springs: Stainless steel, 300 Series EPDM (FDA approved)
- Butterfly valves: Buna Nitrile (FDA approved)
- End connections: ANSI B16.42 (Flanged)

**Features**

- Size: 2, 1/2", 3", 4", 6", 8", 10"
- Maximum working water pressure: 175 PSI
- Maximum working water temperature: 140°F
- Hydrostatic test pressure: 350 PSI
- End connections: (Grounded for steel pipe)

**Options** (Butterfly can be combined)

- LM - with tapered end OS & Y gate valves (standard)
- CM - with water meter (standard)
- CMF - with cut 8 meter
- CMH - with tapered inlet gate connection and ground outlet gate connection
- FG - with Tapered Inlet Gate Valves and ground outlet gate connection
- PI - with tapered inlet butterfly valves with integral supervisory switches
- RF - with tapered inlet butterfly valves with integral supervisory switches
- RFI - with By-pass on right hand side

**Accessories**

- Repair kit (rubber only)
- Thermal expansion tank (Model TKT)
- OS & Y Gate valve tamper switch (OSY-40)

**Dimensions & Weights (do not include plug)**

| MODEL, STANDARD SIZE | A     |     | B WITH BUTTERFLY VALVES |     | C     |      | D     |     | E WITH GATE VALVES |     | F     |     |
|----------------------|-------|-----|-------------------------|-----|-------|------|-------|-----|--------------------|-----|-------|-----|
|                      | IN    | MM  | IN                      | MM  | IN    | MM   | IN    | MM  | IN                 | MM  | IN    | MM  |
| 2                    | 2.125 | 54  | 11.75                   | 298 | 25.50 | 648  | 20.00 | 508 | 12.00              | 305 | 7.14  | 181 |
| 3                    | 3.00  | 76  | 15.00                   | 381 | 28.50 | 729  | 22.00 | 559 | 15.00              | 381 | 8.12  | 206 |
| 4                    | 4.00  | 102 | 18.00                   | 457 | 32.00 | 813  | 24.00 | 610 | 17.00              | 430 | 9.12  | 232 |
| 6                    | 6.00  | 152 | 24.00                   | 610 | 38.00 | 965  | 28.00 | 711 | 21.00              | 533 | 10.12 | 258 |
| 8                    | 8.00  | 203 | 30.00                   | 762 | 44.00 | 1118 | 32.00 | 813 | 23.00              | 584 | 11.12 | 282 |
| 10                   | 10.00 | 254 | 36.00                   | 914 | 50.00 | 1270 | 34.00 | 863 | 25.00              | 635 | 12.12 | 308 |

**Weights**

| MODEL, STANDARD SIZE | WGT. (LBS.) | WGT. (KG.) |
|----------------------|-------------|------------|
| 2                    | 1.2         | 0.5        |
| 3                    | 1.8         | 0.8        |
| 4                    | 2.5         | 1.1        |
| 6                    | 4.0         | 1.8        |
| 8                    | 5.5         | 2.5        |
| 10                   | 7.0         | 3.2        |

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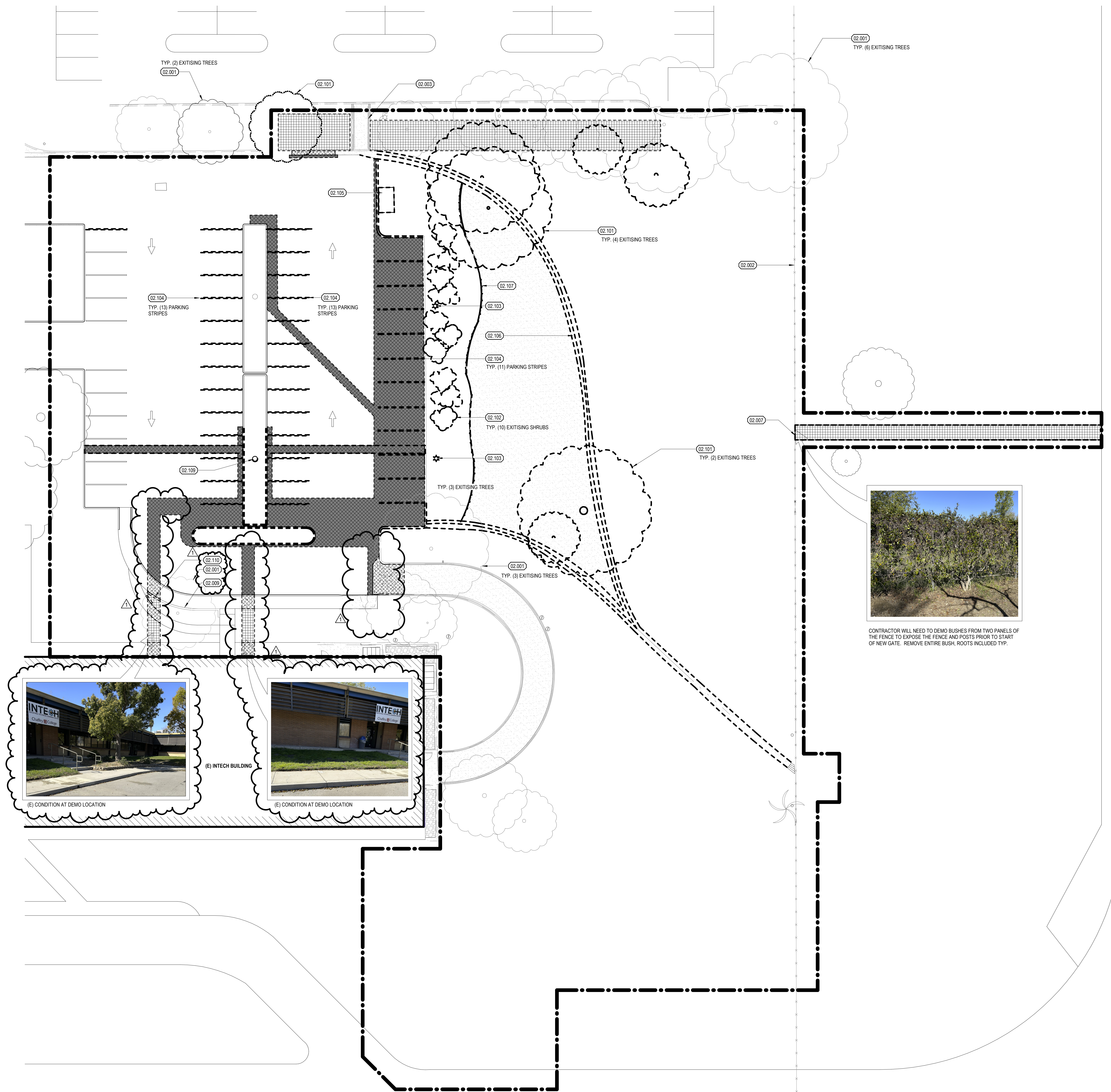
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CHERRY AVE

## KEYNOTES

| DESCRIPTION   |  |
|---|--|
| 02.001 (E) TREE. PROTECT IN PLACE   |  |
| 02.002 (E) FENCE. PROTECT IN PLACE  |  |
| 02.003 (E) STAKE RAIL. PROTECT IN PLACE   |  |
| 02.004 (E) CONCRETE RETAINING WALL BLOCKS. PROTECT IN PLACE   |  |
| 02.101 REMOVE (E) TREE  |  |
| 02.102 REMOVE (E) SHRUB   |  |
| 02.103 REMOVE (E) LIGHT POST AND FOOTING  |  |
| 02.104 (E) ASPHALT STRIPING TO BE SANDBLASTED AND REMOVED   |  |
| 02.105 REMOVE (E) ENCLOSURE IN ITS ENTIRETY   |  |
| 02.106 REMOVE (E) PORTION OF RIBBON GUTTER  |  |
| 02.107 REMOVE (E) CONCRETE HEADER   |  |
| 02.108 REMOVE (E) CONCRETE LUMBER BASE. SALVAGE FLOOD LIGHT AND REINSTALL                                 |  |
| 02.109 REMOVE & SALVAGE ANY CONCRETE RETAINING WALL BLOCKS WITHIN TRENDING PATH. REINSTALL AFTER BACKFILL |  |

## DEMOLITION NOTES

- DEMOLITION NOTES**
- A. DEMOLITION GENERAL NOTES APPLY TO ALL DEMOLITION SHEETS.
- B. COORDINATE DEMOLITION AND PHASING EFFORTS WITH ARCHITECT AND OWNER'S REPRESENTATIVES. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OWNER'S OPERATIONS AND TO PROVIDE BUILDING USERS SAFETY. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH OWNER'S REPRESENTATIVE.
- C. COORDINATE DISRUPTION OF UTILITY SERVICES WITH OWNER AND AS SPECIFIED.
- D. VERIFY EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS AND NOTIFY ARCHITECT OF DISCREPANCIES.
- E. THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
- F. PROVIDE PROTECTION FOR EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- G. REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
- H. EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
- I. VERIFY AND MAINTAIN LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF SERVICE.
- J. CAP DISCONNECTED UTILITIES LINES.
- K. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- L. AVOID DISTURBING OF SOILS WITHIN ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
- M. REFER TO CIVIL, LANDSCAPE, MECHANICAL, PLUMBING, ELECTRICAL AND TECHNOLOGY SHEETS FOR WORK NOT SHOWN ON THESE PLANS.
- N. FOR NEW SIDEWALK TO THE PUBLIC WAY, COMPACT THE EXISTING SOIL TO 90% RELATIVE COMPACTION AND FORM NEW SIDEWALK ON THE SURFACE. REMOVE TURF WHERE OCCURS. OKAY TO POUR OVER EXISTING MOW CURB IF ELEVATION WORKS.

**DO NOT START DEMOLITION WITHOUT OBTAINING DSA APPROVAL.**  
COORDINATE DEMOLITION WITH OWNER TO MINIMIZE DISTURBANCE.  
COMPLETE DEMOLITION OF SPACES AS INDICATED AND TO THE EXTENT REQUIRED TO ENABLE NEW CONSTRUCTION WORK TO BE PERFORMED.

## DEMOLITION SITE LEGEND

|                     |  |
|---------------------|--|
| --- --              | LIMITS OF WORK   |
| - - - -             | OBJECTS DESTINED FOR DISMANTLING   |
| [Hatched Box]       | ASPHALT PAVEMENT TO BE REMOVED<br>REFER TO CIVIL PLANS FOR EXTENTS<br>OF REMOVAL AND GRIND/OVERLAY |
| [Cross-hatched Box] | CONCRETE PAVEMENT TO BE<br>DEMOLISHED AND REMOVED  |
| [Grid Box]          | PLANTER AREA TO BE CLEARED AND GRUBBED   |

CONSULTANT:

SITE PLAN - DEMOLITION

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS:

**sgn**  
ARCHITECTS

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PROJECT NUMBER: 23-46102-00  
PROJECT STATUS:   
SHEET ISSUED: 08/28/2025  
DATE: 11/12/2025  
DESCRIPTION:   
ADDENDUM 1

A1.01

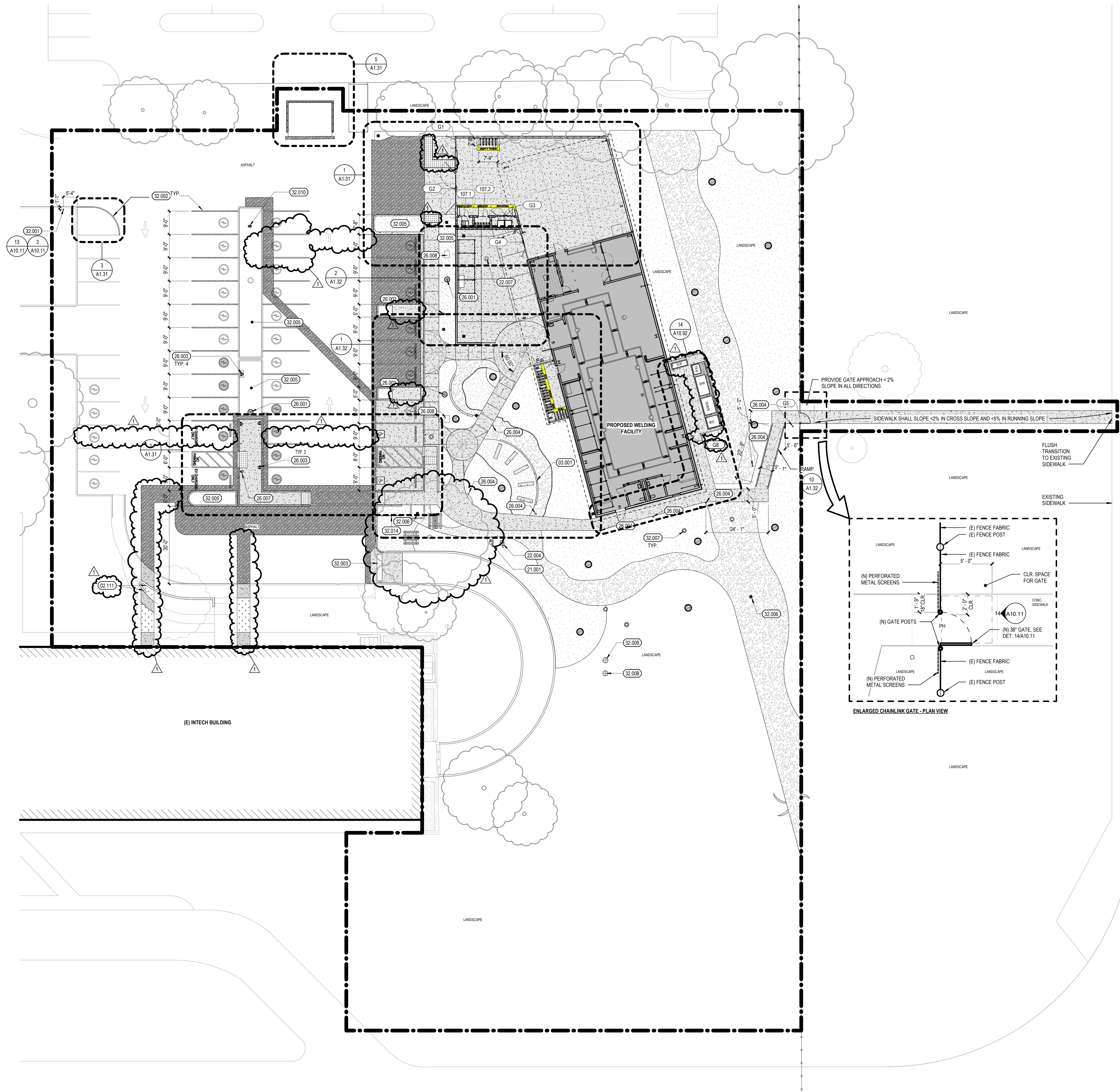
ARCHITECTURAL SITE PLAN - DEMOLITION  
1/16" = 1'-0" SCALE



NORTH

1





ARCHITECTURAL SITE PLAN  
1/16" = 1'-0" SCALE

## KEYNOTES

| KEYNOTE | DESCRIPTION   |
|---------|---|
| 12.111  | REINSTALL SALVAGED CONCRETE BLOCKS                        |
| 13.001  | CONCRETE BORDER   |
| 21.001  | DETECTOR CHECK ASSEMBLY - SEE CIVIL                       |
| 22.004  | LANDSCAPE REDUCED PRESSURE PRINCIPLE ASSEMBLY - SEE CIVIL |
| 22.007  | STORM DRAIN CLEAN OUT - SEE CIVIL                         |
| 26.001  | POLE MOUNTED LUMINAIRES                                   |
| 26.002  | SIGN ILLUMINATING LED FLOODLIGHT                          |
| 26.003  | ELECTRIC VEHICLE CHARGING STATION - DUAL PORT             |
| 26.004  | LIGHT SOLLARD   |
| 26.007  | ELECTRIC VEHICLE CHARGING STATION - SINGLE PORT           |
| 26.008  | PULL BOX - SEE ELECTRICAL SITE PLAN                       |
| 32.001  | UNAUTHORIZED PARKING SIGN                                 |
| 32.002  | WHITE PARKING STRIPES                                     |
| 32.003  | (E) SPEED BUMP  |
| 32.005  | PLANTER AREA, SEE LANDSCAPE                               |
| 32.006  | CATCH BASIN PER CIVIL DWGS                                |
| 32.007  | CLEANOUT PER CIVIL DWGS                                   |
| 32.008  | SEWER MANHOLE PER CIVIL DWGS                              |
| 32.009  | SEWER GRINDER PUMP PER CIVIL DWGS                         |
| 32.010  | FIRE HYDRANT, SEE CIVIL DWGS                              |
| 32.014  | BIKE RACK - SEE 22A10.11                                  |

## SITE PLAN LEGEND

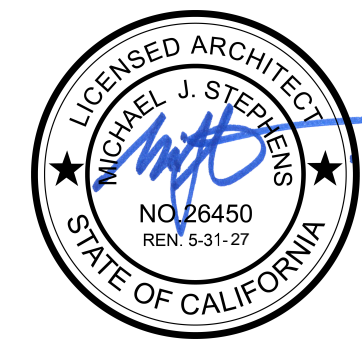
|  |                                    |
|--|------------------------------------|
| --- LIMIT SCOPE OF WORK  | ● TREE TRUNKS, SEE LANDSCAPE L2.01 |
| ■ NEW BUILDING   | XXX DOOR/GATE TAG, SEE SHEET A9.11 |
| ■ PCC PAVING - SEE A1.32 FOR ADDITIONAL CONCRETE REQUIREMENTS      | ○ EV CAPABLE SPACE                 |
| ■ ACC PAVING   | ○ EV CHARGING STATION              |
| ■ GRANITE BOULDERS, SEE LANDSCAPE L2.01                            | □ SINGLE PORT PEDASTAL CHARGER     |
| ■ DECOMPOSED GRANITE, SEE LANDSCAPE L2.01                          | □ DUAL PORT PEDASTAL CHARGER       |
| ■ TRUNCATED DOMES  |                                    |
| ■ REPLACE TURF AND IRRIGATION TO MATCH EXISTING ORIGINAL CONDITION |                                    |

CONSULTANT:

SITE PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



SEALS:

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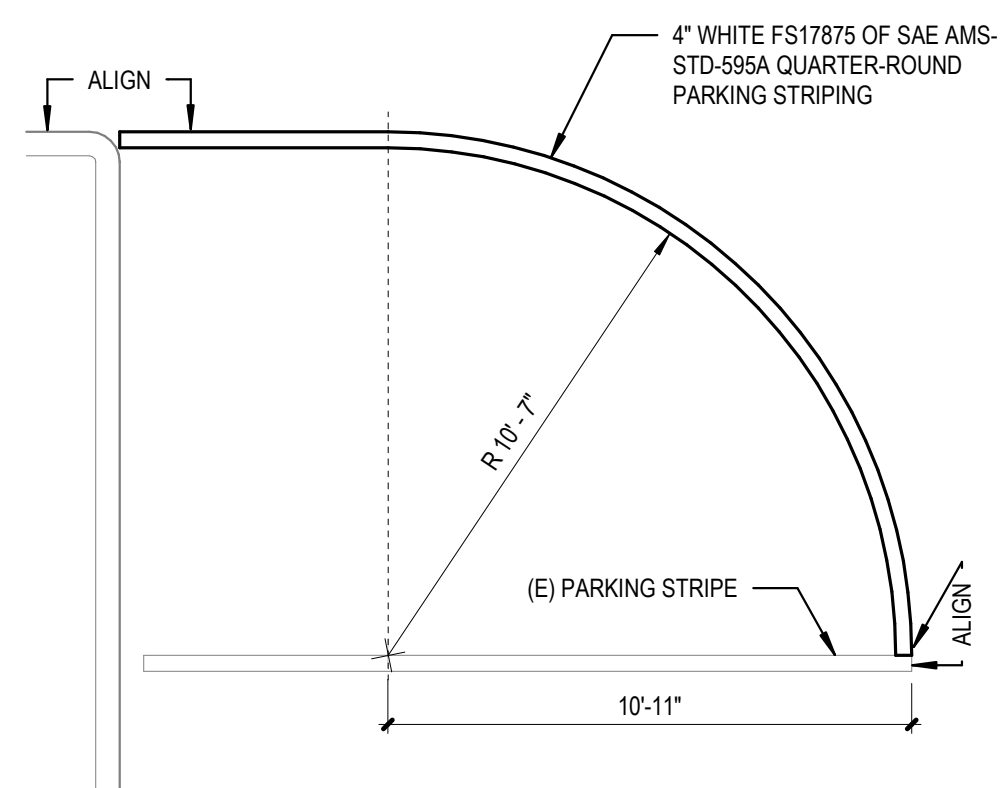
PROJECT NUMBER: 23-46102-00  
PROJECT STATUS:   
SHEET ISSUED: 08/28/2025  
DELTA: DATE: 11/2/2025  
DESCRIPTION: ADDENDUM 1

A1.11

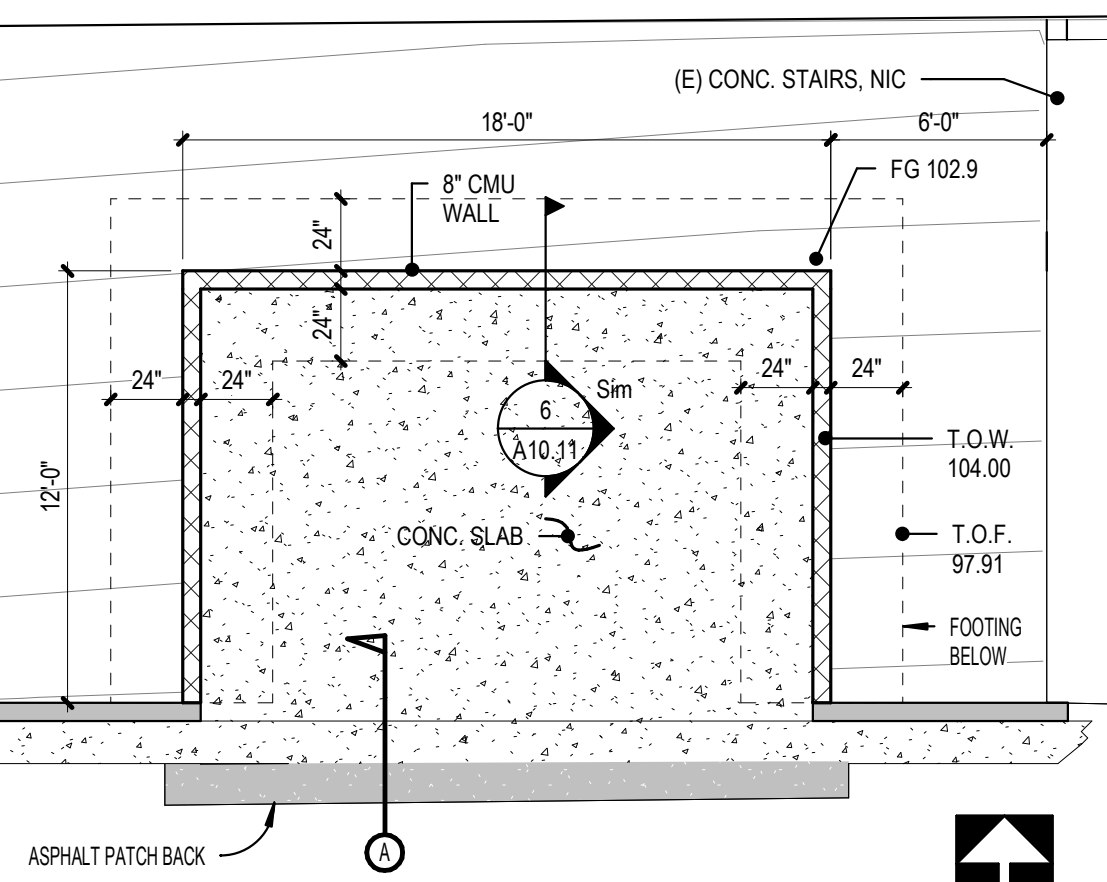
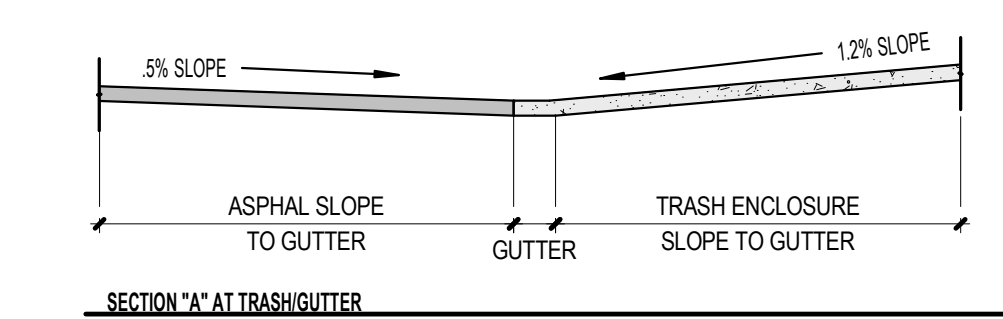


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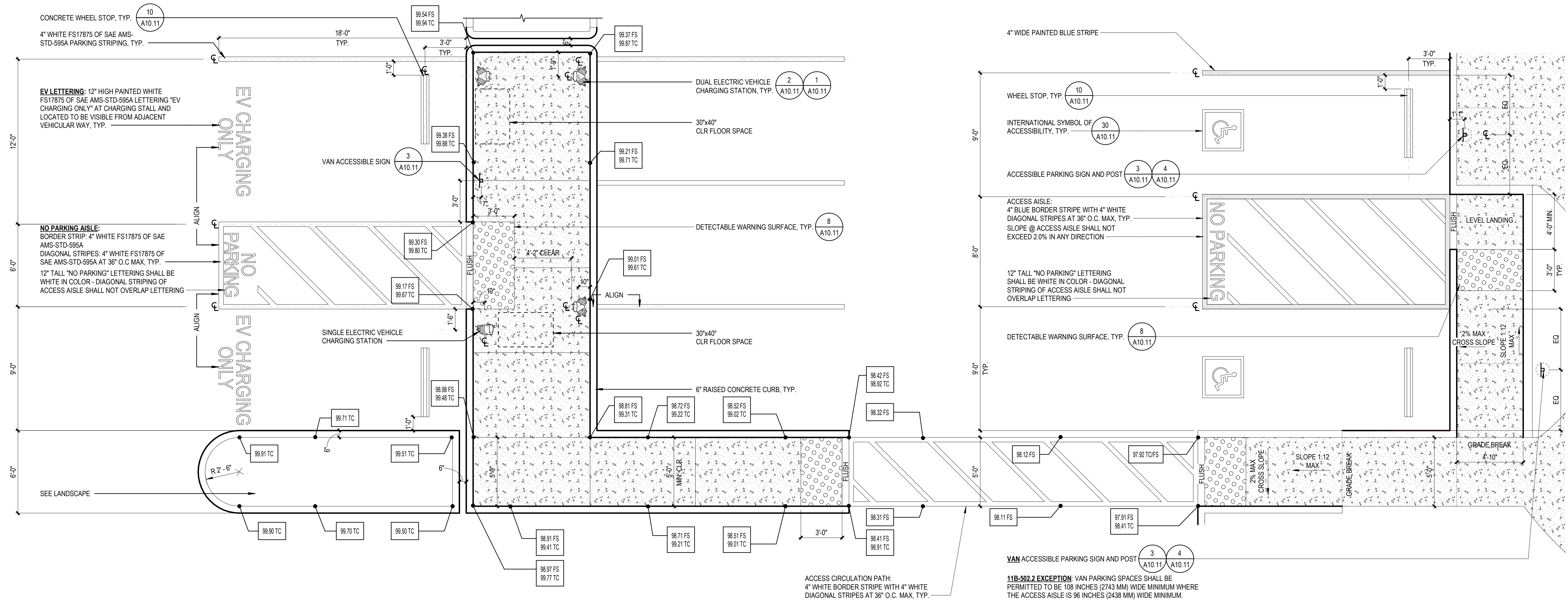
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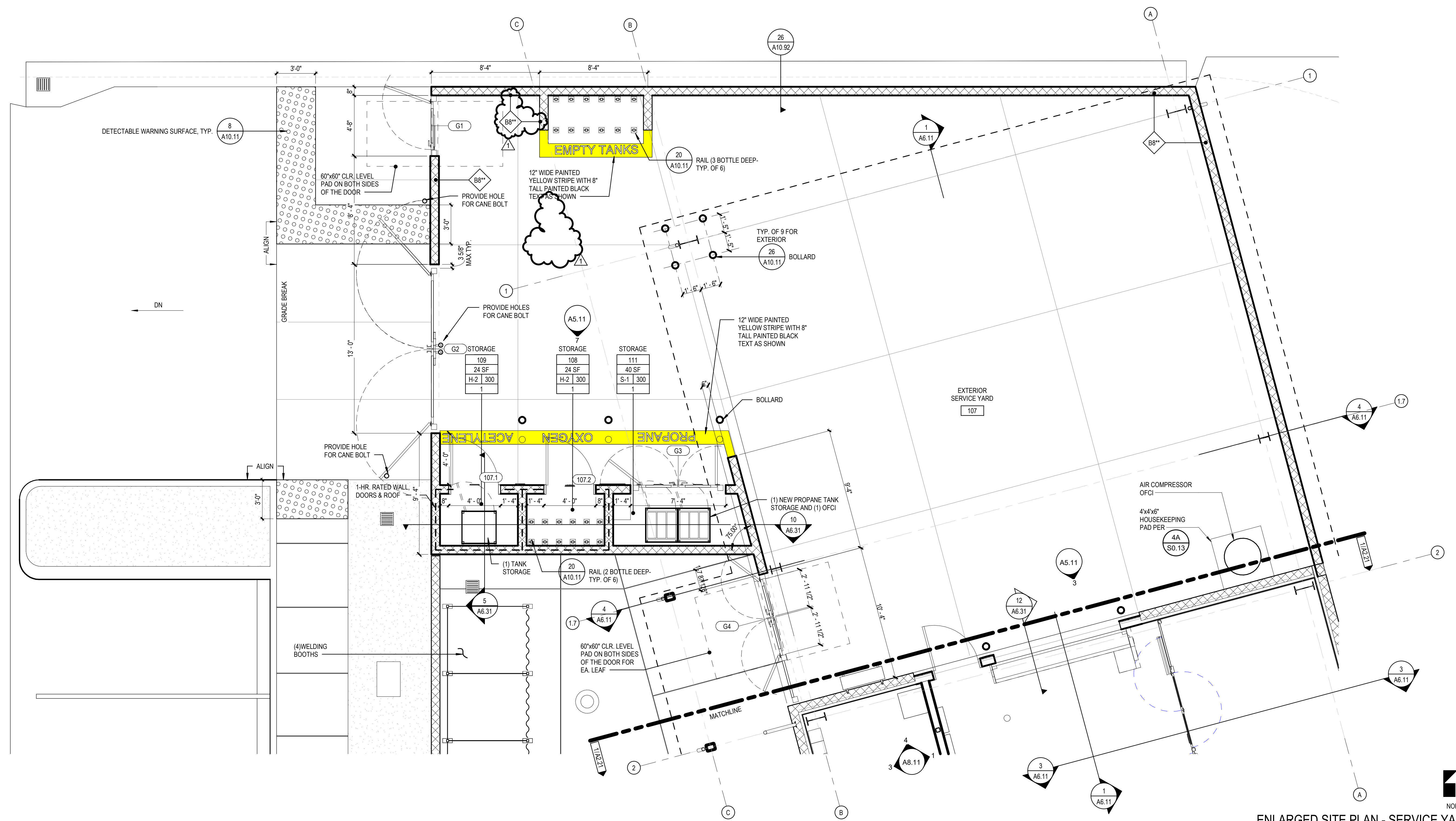
ENLARGED SITE PLAN - PARKING STRIPE  
1/4" = 1'-0" SCALE



ENLARGED TRASH ENCLOSURE  
3/16" = 1'-0" SCALE



ENLARGED SITE PLAN - EV CHARGING & ACCESSIBLE PARKING  
1/4" = 1'-0" SCALE

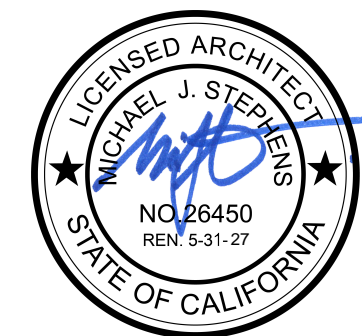


ENLARGED SITE PLAN - SERVICE YARD  
1/4" = 1'-0" SCALE

SITE PLAN - ENLARGED PLANS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

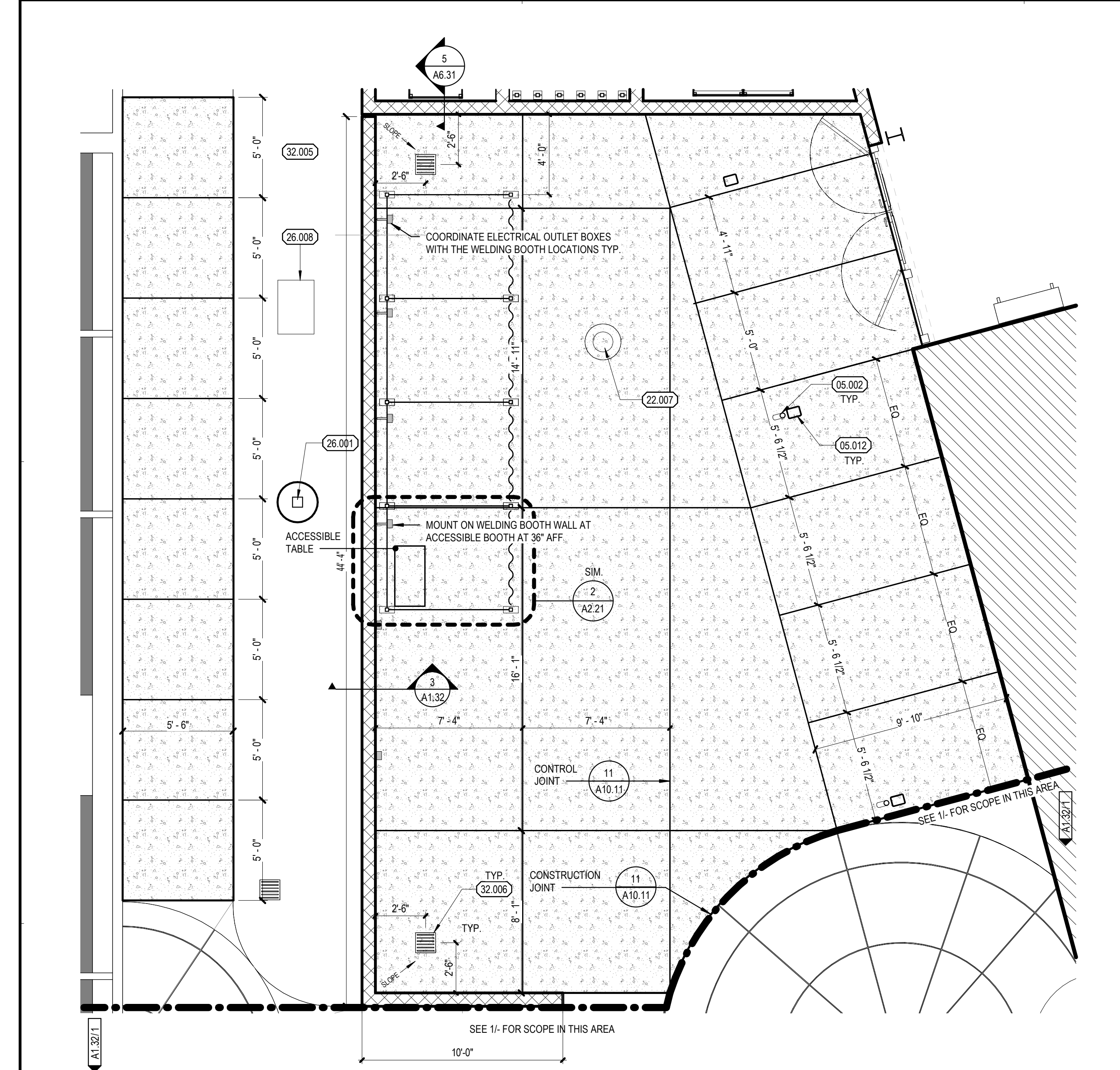


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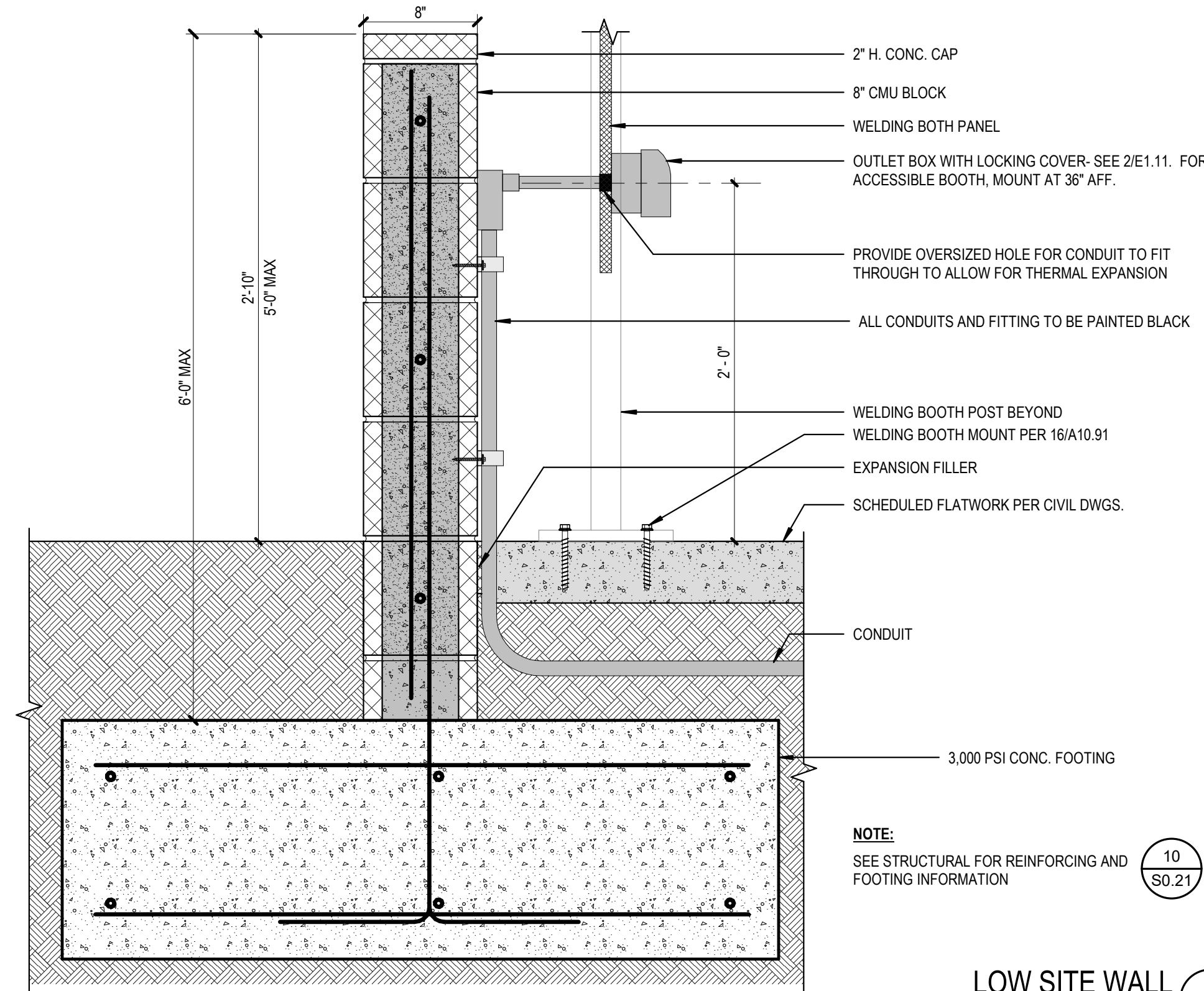
PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 06/29/2025  
SHEET ISSUED: 06/29/2025  
DATE: 11/22/2025  
DESCRIPTION: ADDENDUM 1

A1.31

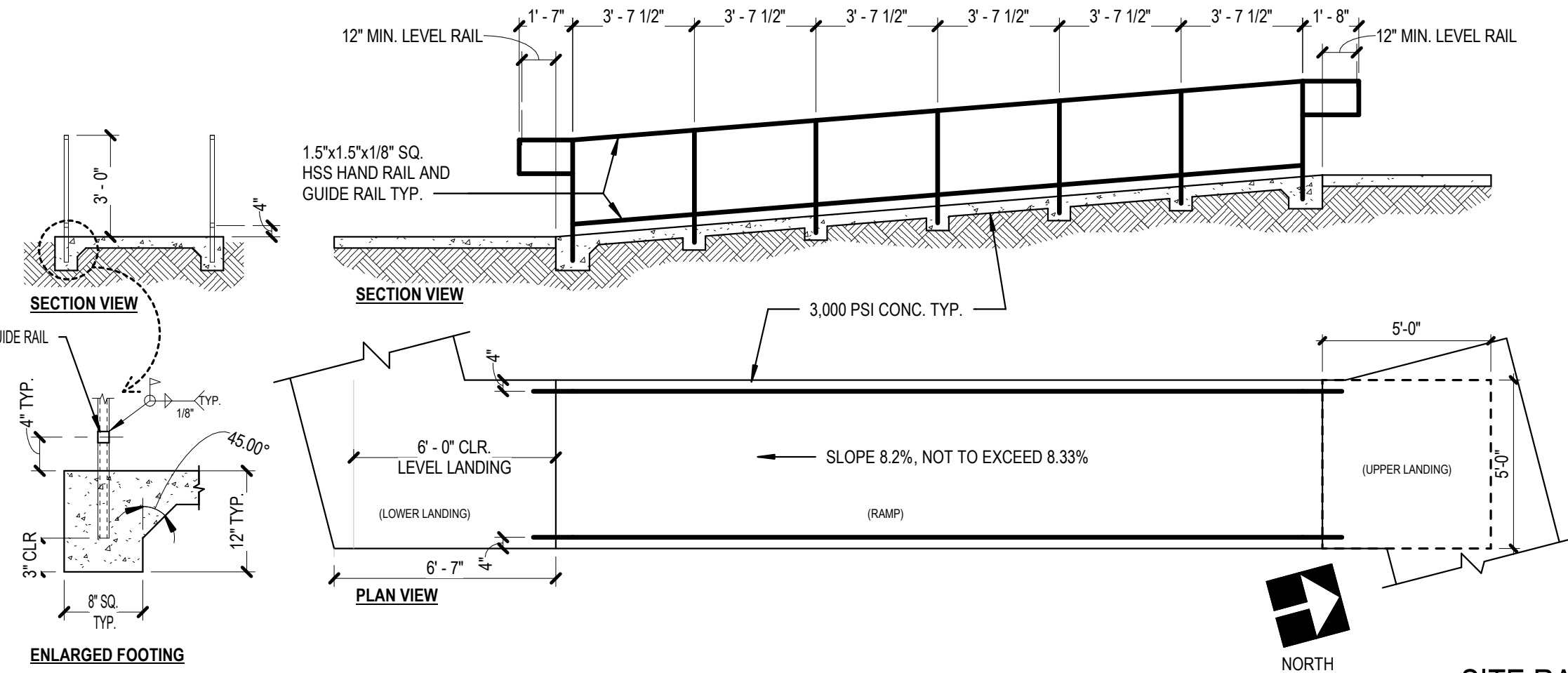




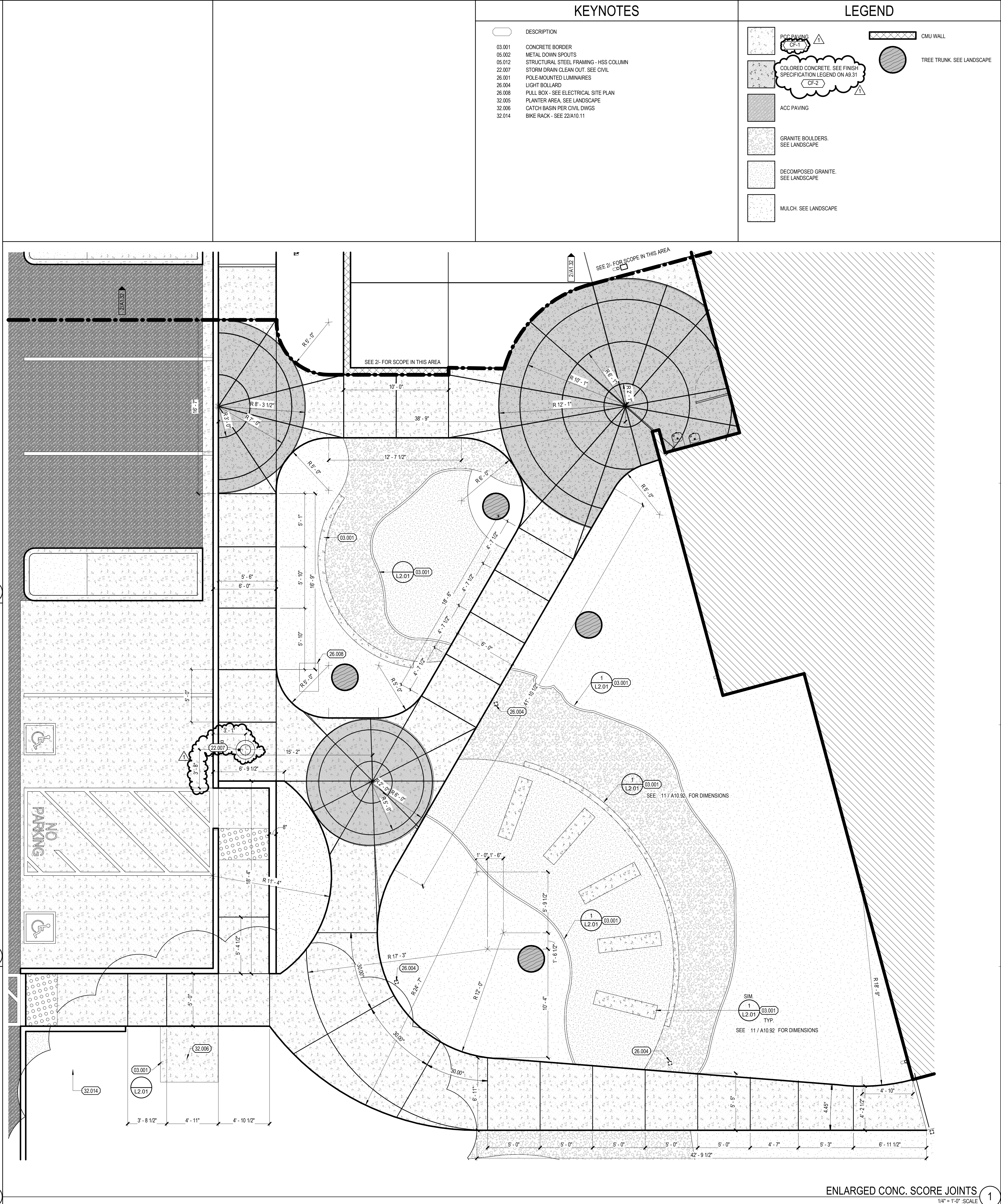
ENLARGED CONC. SCORE JOINTS-NORTH  
1/4" = 1'-0" SCALE



LOW SITE WALL  
1 1/2" = 1'-0" SCALE



SITE RAMP  
1/4" = 1'-0" SCALE

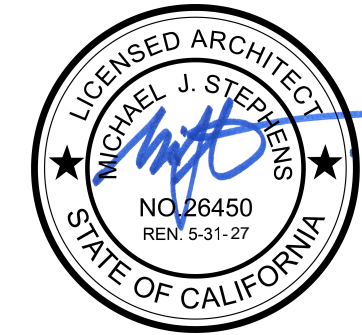


ENLARGED CONC. SCORE JOINTS  
1/4" = 1'-0" SCALE

SITE PLAN - ENLARGED PLANS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

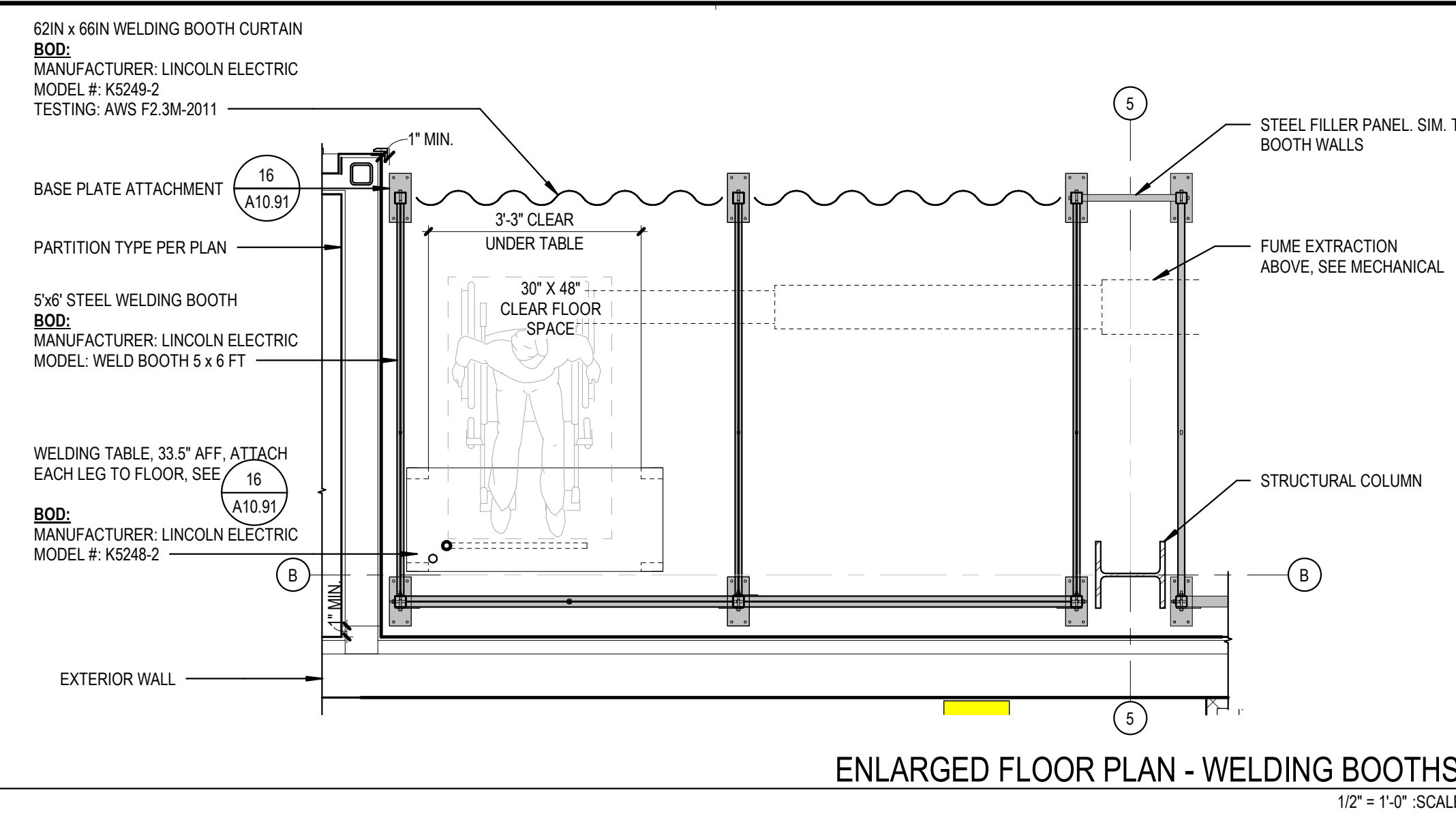
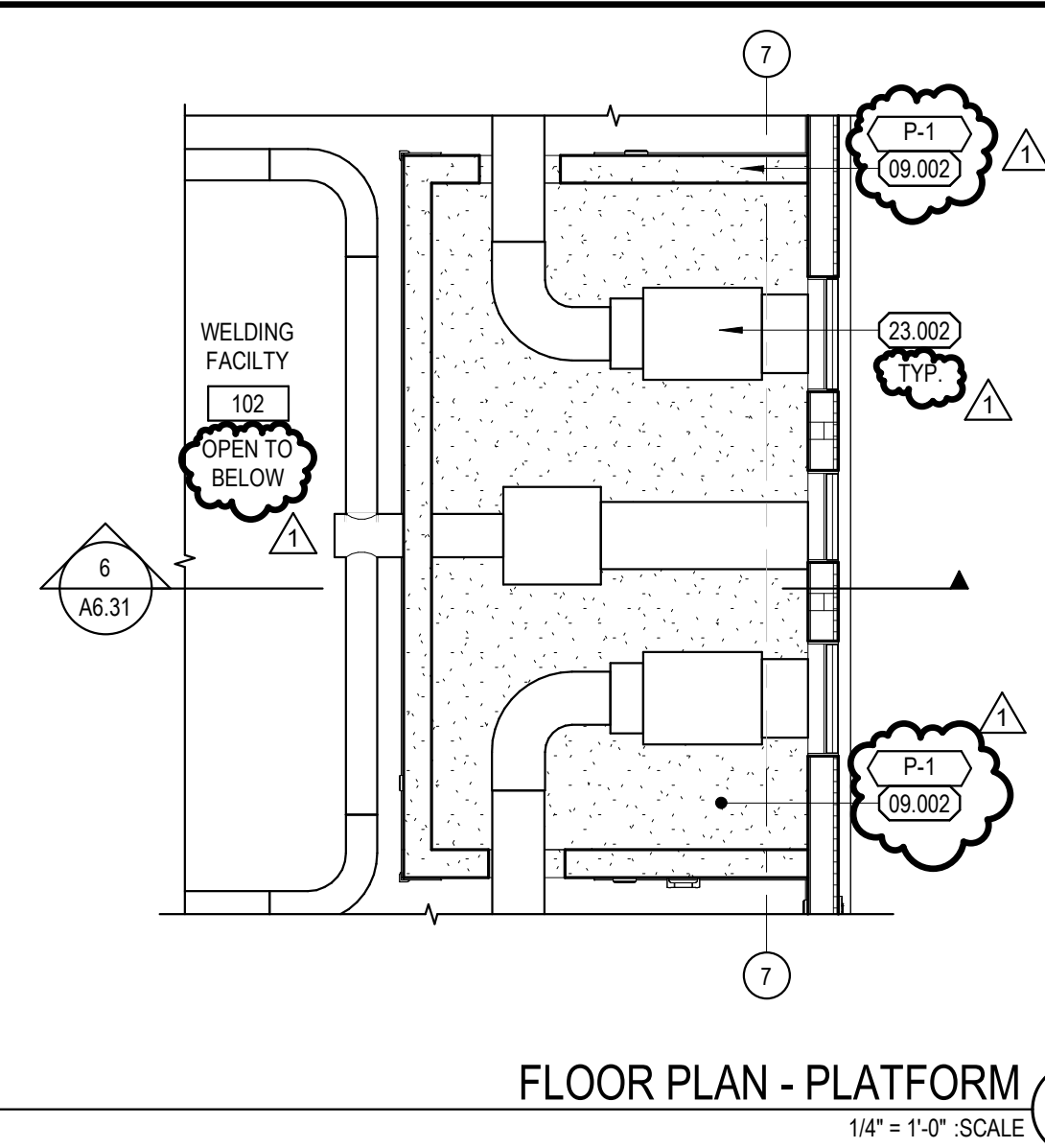


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PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: PROJECT ISSUED: 08/28/2025  
SHEET ISSUED: 08/28/2025  
DATE: 11/28/2025  
DESCRIPTION: ADDENDUM 1

A1.32

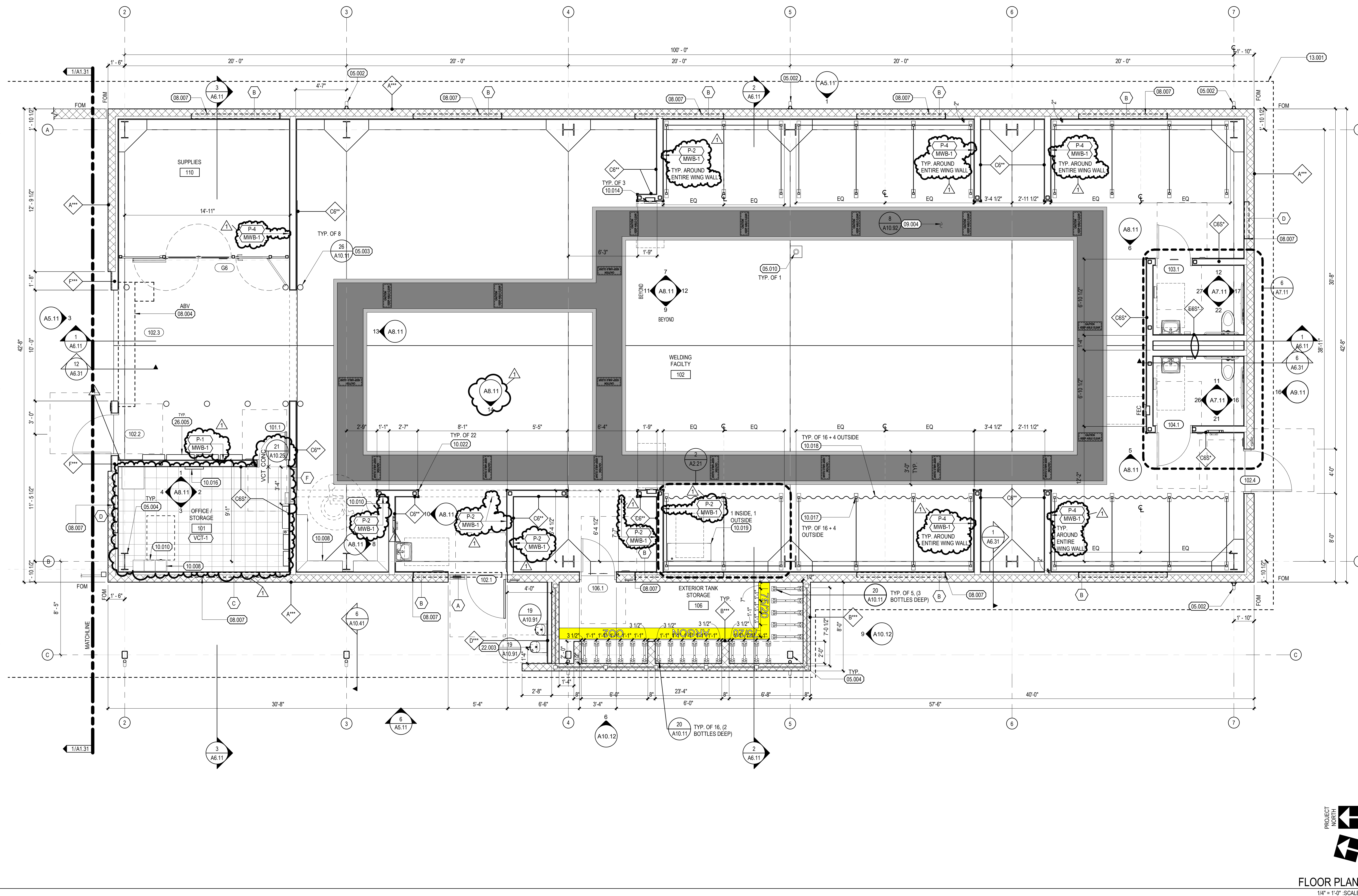




|        | DESCRIPTION   |
|--------|---|
| 05.002 | METAL DOWN SPOUTS   |
| 05.003 | STEEL BOLLARD PER 16A10.11                                  |
| 05.010 | STRUCTURAL STEEL MEMBER PER STRUCT. DWG.                    |
| 05.014 | BOLT DOWN BOLLARD PER 22A10.91                              |
| 06.004 | STEEL COILING DOOR  |
| 06.007 | WINDOW SYSTEM ABOVE - SEE WINDOW TAG                        |
| 09.002 | GYPSUM BOARD  |
| 09.014 | PAINTED CLEAR ACCESS AISLE                                  |
| 10.008 | METAL LOCKERS   |
| 10.010 | ACCESSIBLE METAL LOCKER                                     |
| 10.014 | FIRE PROTECTION CABINET                                     |
| 10.016 | TV BRACKET  |
| 10.017 | WELDING GOOTH   |
| 10.018 | WELDING CURTAIN - SEE 24/2.21 FOR BASIS OF DESIGN           |
| 10.019 | ACCESSIBLE WELDING WORK STATION                             |
| 10.021 | CORNER GUARDS - SEE 25A10.25                                |
| 13.002 | EDGE OF ROOF ABOVE - SEE ROOF PLANS A4.11 & A4.12           |
| 22.003 | FURNISH FIXTURES - DRINKING FOUNTAIN                        |
| 23.002 | EXPOSED MECHANICAL DUCTWORK, DRAFFY FINISH - SEE MECHANICAL |
| 26.005 | ELECTRICAL PANELS PER ELECTRICAL DRAWINGS                   |

## GENERAL NOTES

1. THIS BUILDING REQUIRES THE USE OF A FORKLIFT, THEREFORE, WE NEED A FLOOR FLATNESS F<sub>1</sub> IS 45 AND LEVELNESS F<sub>2</sub> NEEDS TO BE 35
2. GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS THAT APPLY TO THIS DRAWING, SEE G0.02
3. ALL DIMENSIONS ARE ACTUAL AND ARE TO FACE OF STUDS, FACE OF MASONRY, CENTERLINE OF DOORS OR CENTERLINE OF COLUMN, UNLESS NOTED OTHERWISE.
4. ALL CLEARANCE DIMENSIONS ARE ACTUAL AND ARE TO FINISH FACE, CENTERLINE OF PLUMBING FIXTURES, AND DOOR OPENINGS, UNLESS NOTED OTHERWISE.
5. SEE REFLECTED CEILING PLAN FOR ADDITIONAL WINDOW TAGS.



**WALLS:** SEE INTERIOR PARTITIONS SHEET A10.51

**WALL TYPE TAG** - SEE SHEET A10.51

**STUD WALL**

**CORNER GUARDS** - SEE 25/A10.25

**8" CMU WALL**

**WALL FINISH**

**BASE FINISH**

FOR WALL FINISHES NOT SHOWN ON 1/A2.21, SEE INTERIOR ELEVATIONS ON A8.11 FOR DESCRIPTIONS OF MATERIAL TAGS, SEE A9.31

**DOOR/GATE TAG**, SEE SHEET A9.11

**CURTAIN WALL / WINDOW TAG**, SEE SHEET A9.11

**VINYL TILE FLOORING**, SEE FINISH SCHEDULE ON A9.31 FOR SPECIFICATION

**FIRE EXTINGUISHER CABINET**  
TYPE ABC EXTINGUISHER  
CONC. SEE DETAIL SEMI-RECESSED  
SEE DETAIL 21/A10.91

**ACCESSIBILITY CLEARANCES**

**60" DIA. ACCESSIBLE TURN AROUND**

**48"x30" ACCESSIBLE CLEAR FLOOR SPACE**

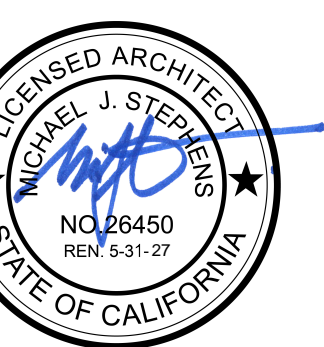
**DOOR ACCESSIBLE CLEAR FLOOR SPACE**

CONSULTANT:

## FLOOR PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

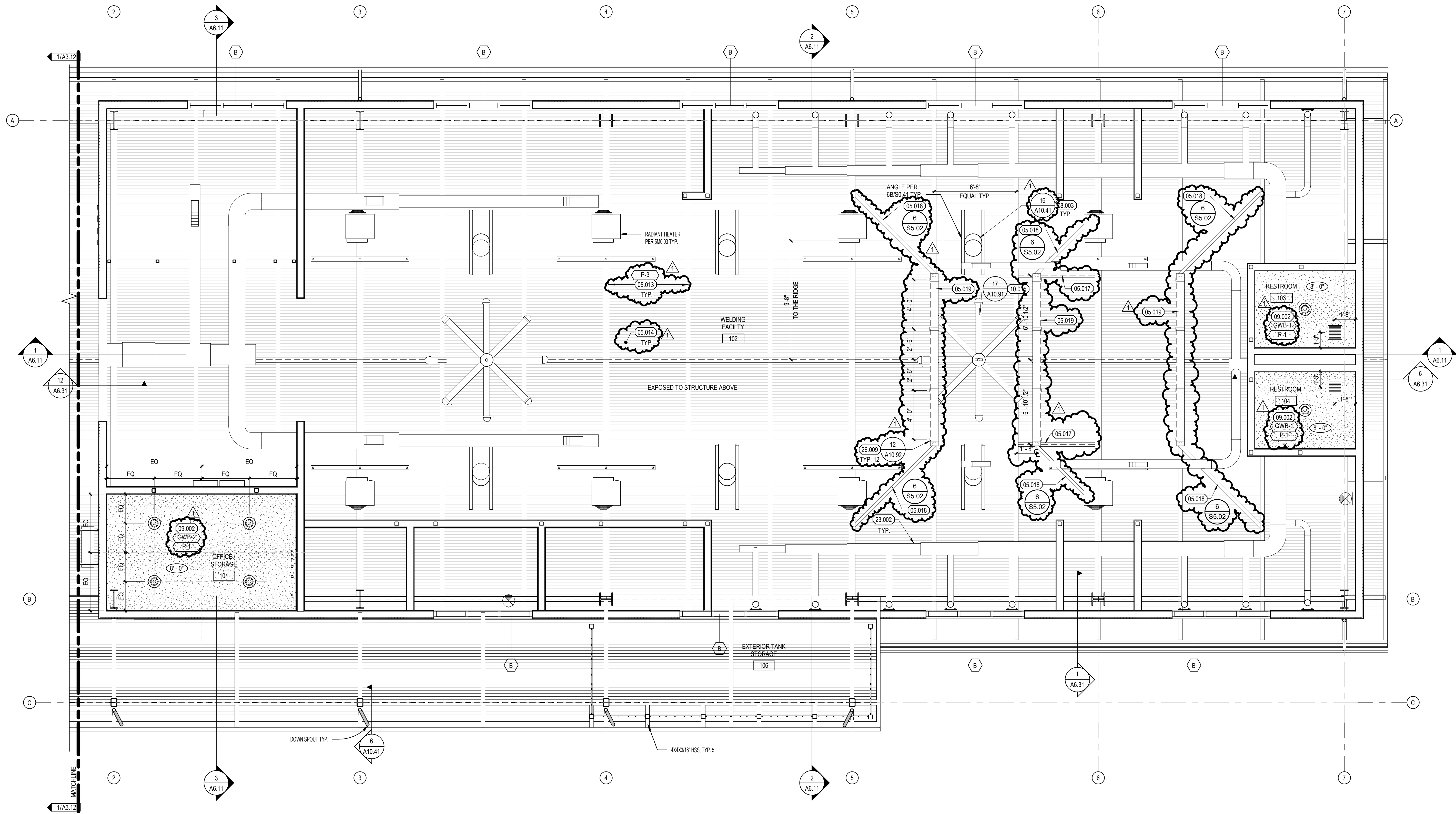
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PROJECT STATUS:  
SHEET ISSUED: 08/28/2025  
DELTA: DATE: DESCRIPTION:  
1 11/12/2025 ADDENDUM 1

## A2.21

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REFLECTED CEILING PLAN  
1/4" = 1'-0" SCALE

KEYNOTES

| KEYNOTE | DESCRIPTION  |
|---------|--|
| 05.013  | EXPOSED STRUCTURAL BEAM - SEE STRUCTURAL                     |
| 05.014  | UNFINISHED, GALVANIZED EXPOSED METAL DECK - SEE STRUCTURAL   |
| 05.017  | W10x12 - SEE STRUCTURAL                                      |
| 05.018  | DIAGONAL BRACE   |
| 05.019  | CONTINUOUS C-CHANNEL   |
| 08.003  | TUBULAR DAYLIGHTING DEVICE                                   |
| 09.002  | GYPSUM BOARD   |
| 10.015  | HIGH VELOCITY CEILING FAN                                    |
| 23.002  | EXPOSED MECHANICAL DUCTWORK, FACTORY FINISH - SEE MECHANICAL |
| 26.009  | ELECTRICAL CORD REEL   |

REFLECTED CEILING PLAN NOTES:

- A. REFLECTED CEILING PLAN GENERAL NOTES APPLY TO ALL REFLECTED CEILING PLAN SHEETS.  
B. CEILING HEIGHTS ARE AS NOTED ON THE REFLECTED CEILING PLAN UNLESS NOTED OTHERWISE.  
C. ALL ELECTRICAL FIXTURES, SPEAKERS, SMOKE AND THERMAL DETECTORS, MECHANICAL GRILLES, SPRINKLER HEADS, ETC., SHALL BE CENTERED BETWEEN CEILING GRIDS UNLESS NOTED OTHERWISE. SPRINKLER HEADS SHALL BE WITHIN A 3" RADIUS CENTERED BETWEEN CEILING GRIDS.  
D. ALL DIMENSIONS ON REFLECTED CEILING PLANS ARE ACTUAL AND ARE TO THE FOLLOWING UNLESS NOTED OTHERWISE:  
1. FACE OF FINISHED WALL  
2. FACE OF FINISHED BULKHEADS  
3. CENTERLINE OF COLUMNS  
4. CENTERLINE OF TEES  
F. IN AREAS WITH EXPOSED STRUCTURE CEILINGS, COORDINATE EXACT LOCATIONS OF MECHANICAL GRILLES, DIFFUSERS, DUCTWORK, AND ELECTRICAL FIXTURES WITH EACH RESPECTIVE SUBCONTRACTOR.  
G. NOT ALL WALLS GO FULL HEIGHT. REVIEW SECTIONS TO SEE WHICH ONES DO.  
H. CONTRACTOR SHALL RUN ALL PIPES, CONDUITS, TUBES, AND DUCTS PARALLEL TO THE LONG SIDE OF THE BUILDING AND PERPENDICULAR TO THE LONG SIDE OF THE BUILDING. NO DIAGONAL INSTALLATIONS OF THE ABOVE ITEMS SHALL BE PERMITTED IN PLAN VIEW. ALL CONDUITS AND PIPES SHALL BE PARALLEL TO ONE ANOTHER. THIS REQUIREMENT ALSO APPLIES TO THE VERTICAL DIRECTION OF THE BUILDING; NO DIAGONAL CONDUITS OR PIPES SHALL BE INSTALLED ON THE WALLS, UNLESS OTHERWISE SPECIFIED. ANY DIAGONALLY INSTALLED ITEMS SHALL BE REPLACED AT NO COST TO THE OWNER TO BE PARALLEL TO EACH OTHER.  
I. ALL EXPOSED PIPES, CONDUITS, TUBES AND DUCTS SHALL BE LEFT UNFINISHED.

RCP LEGEND

|  |  |              |            |
|--|--|--------------|------------|
|  | GYPSUM BOARD CEILING                         | 4<br>S2.02   | 5<br>S2.02 |
|  | METAL DECK, SEE "METAL DECK SCHEDULE", SHEET | 6<br>S0.41   |            |
|  | ROUND DOWNLIGHT                              | 26<br>A10.91 |            |
|  | HVAC EXHAUST                                 | 1<br>A10.92  |            |

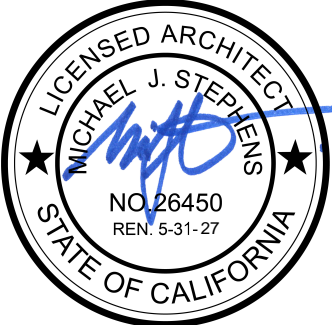
CONSULTANT:

REFLECTED CEILING PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS:



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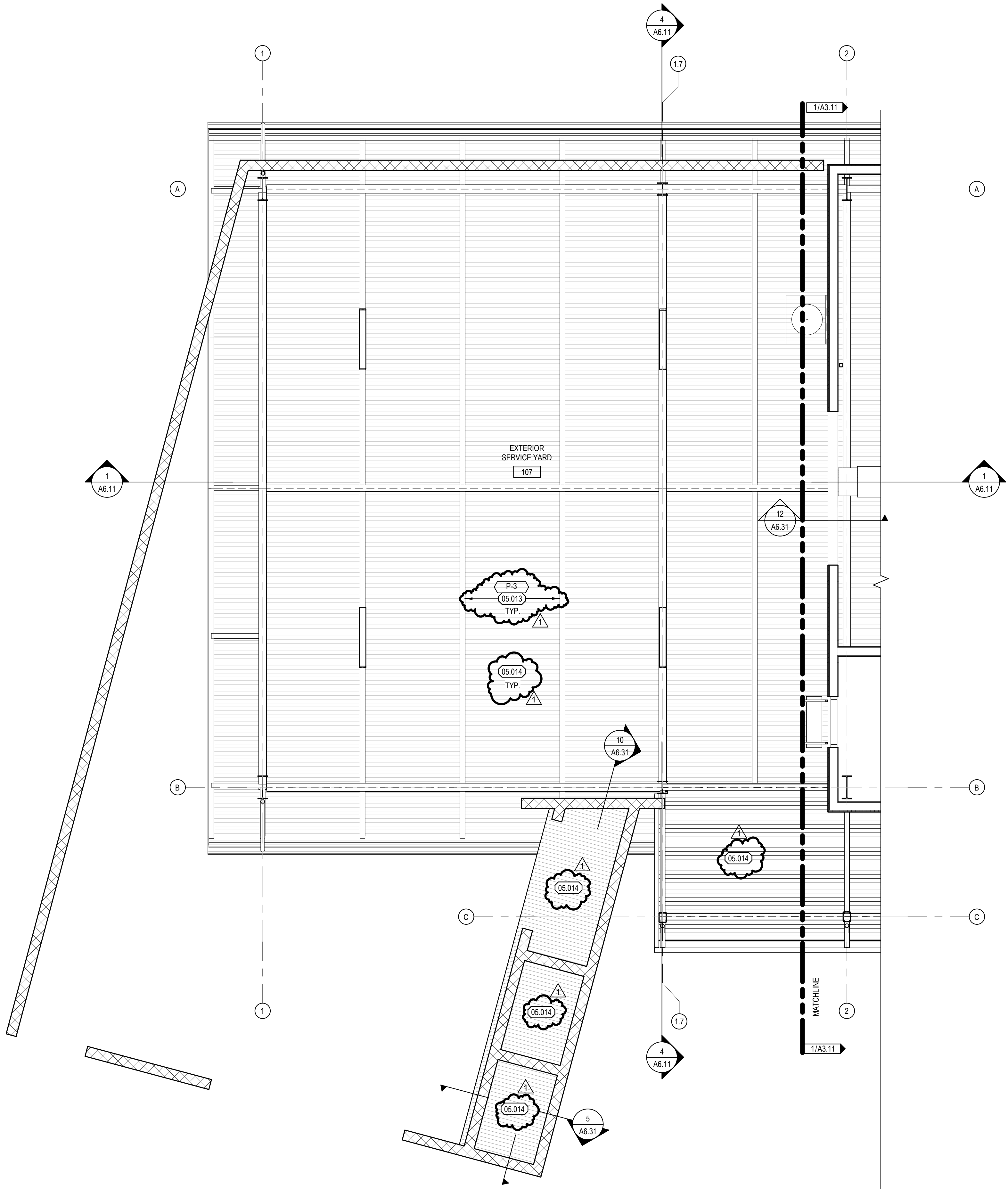
PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 06/29/2025  
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DESCRIPTION: ADDENDUM 1

A3.11



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REFLECTED CEILING PLAN - SERVICE YARD  
1/4" = 1'-0" SCALE

KEYNOTES

RCP LEGEND

|  |  |              |            |
|--|--|--------------|------------|
|  | GYPSUM BOARD CEILING                         | 4<br>S2.02   | 5<br>S2.02 |
|  | METAL DECK, SEE "METAL DECK SCHEDULE", SHEET | S0.41        |            |
|  | ROUND DOWNLIGHT                              | 26<br>A10.91 |            |
|  | HVAC EXHAUST                                 | 1<br>A10.92  |            |

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DESCRIPTION: ADDENDUM 1



REFLECTED CEILING PLAN - NORTH

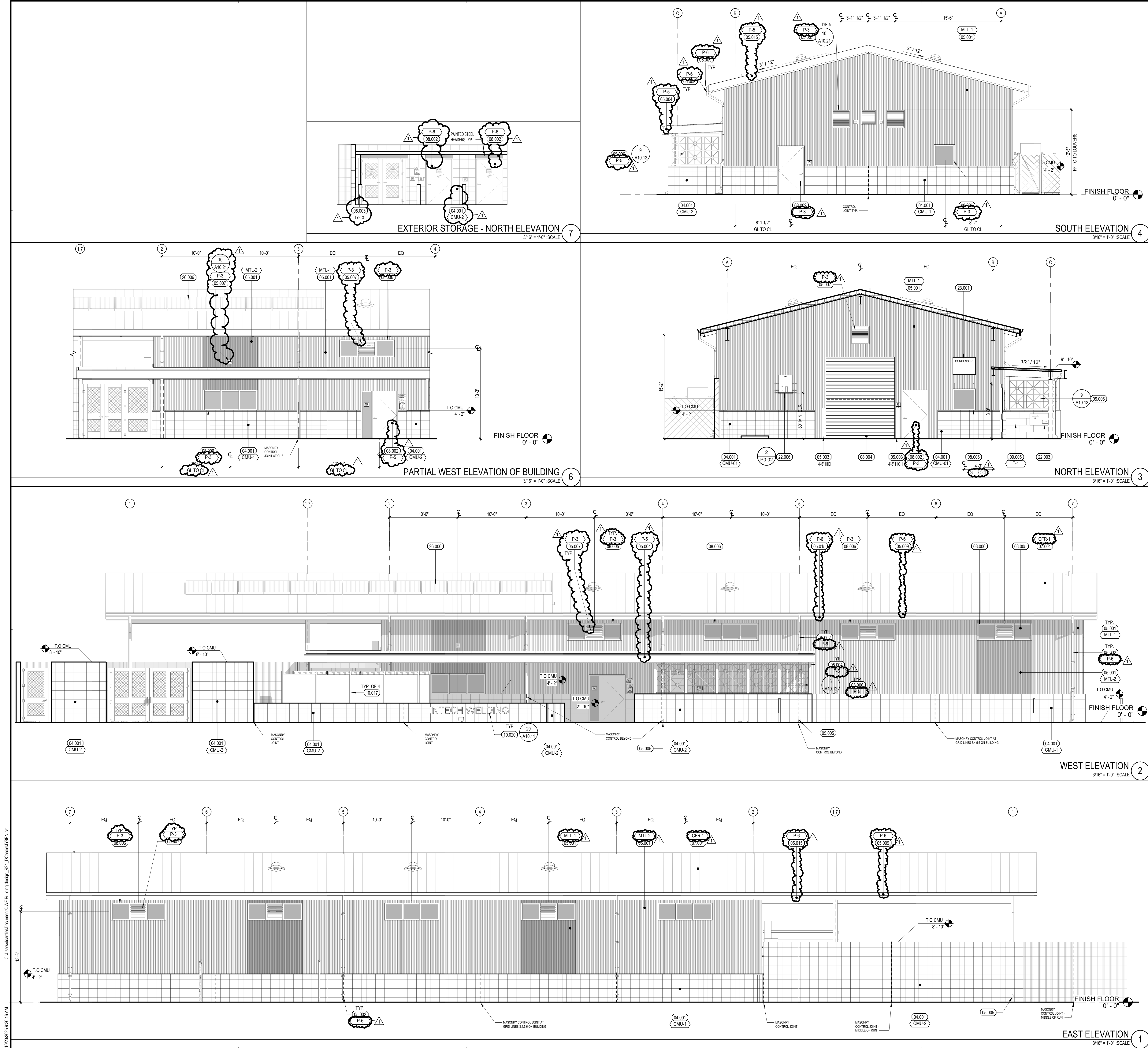
CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT:

SEALS:





# KEYNOTES

| DESCRIPTION |  |
|-------------|--|
| 04.001      | CONCRETE UNIT MASONRY - PRECISION FACE   |
| 05.001      | INSULATED METAL WALL PANEL               |
| 05.002      | METAL DOWN SPOUTS                        |
| 05.003      | STEEL BOLLARD PER 16A10.11               |
| 05.004      | STRUCTURAL STEEL MEMBER PER STURCT. DWG. |
| 05.005      | DOWNSPOUT OUTLET THROUGH CMU WALL        |
| 05.006      | CUSTOM METAL SCREEN                      |
| 05.007      | METAL LOUVERS                            |
| 05.008      | RAINWATER                                |
| 05.009      | GALVANIZED STEEL FASCIA                  |
| 05.010      | STANDING SEAM METAL ROOF                 |
| 08.001      | DOOR AND DOOR FRAME - SEE DOOR SCHEDULE  |
| 08.002      | STEEL COILING DOOR                       |
| 08.003      | GLAZING                                  |
| 08.004      | HOLLOW METAL FRAME WINDOW SYSTEM         |
| 08.005      | PORCELAIN WALL TILE                      |
| 08.006      | WELDING BOOTH                            |
| 08.007      | 12" METAL LETTER, 3/8" O.                |
| 08.008      | PLUMBING FIXTURE - DRINKING FOUNTAIN     |
| 08.009      | ELECTRIC WATER HEATER                    |
| 08.010      | MINI-SPLIT SYSTEM CONDENSER PER 9M0.03   |
| 08.011      | PHOTOVOLTAIC PANELS                      |

## BASIS OF DESIGN EXTERIOR MATERIAL SPECIFICATIONS (COLOR AND FINISH)

| 04 MASONRY | CONCRETE UNIT MASONRY                             |  |
|------------|---|--|
| CMU-1      | PRECISION - VERTICAL SCORE, EXTERIOR SIDE (VS1)   |  |
| CMU-2      | PRECISION - VERTICAL SCORE, EACH SIDE (VS2)       |  |
| CMU-3      | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS3)   |  |
| CMU-4      | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS4)   |  |
| CMU-5      | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS5)   |  |
| CMU-6      | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS6)   |  |
| CMU-7      | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS7)   |  |
| CMU-8      | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS8)   |  |
| CMU-9      | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS9)   |  |
| CMU-10     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS10)  |  |
| CMU-11     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS11)  |  |
| CMU-12     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS12)  |  |
| CMU-13     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS13)  |  |
| CMU-14     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS14)  |  |
| CMU-15     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS15)  |  |
| CMU-16     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS16)  |  |
| CMU-17     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS17)  |  |
| CMU-18     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS18)  |  |
| CMU-19     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS19)  |  |
| CMU-20     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS20)  |  |
| CMU-21     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS21)  |  |
| CMU-22     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS22)  |  |
| CMU-23     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS23)  |  |
| CMU-24     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS24)  |  |
| CMU-25     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS25)  |  |
| CMU-26     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS26)  |  |
| CMU-27     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS27)  |  |
| CMU-28     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS28)  |  |
| CMU-29     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS29)  |  |
| CMU-30     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS30)  |  |
| CMU-31     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS31)  |  |
| CMU-32     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS32)  |  |
| CMU-33     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS33)  |  |
| CMU-34     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS34)  |  |
| CMU-35     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS35)  |  |
| CMU-36     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS36)  |  |
| CMU-37     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS37)  |  |
| CMU-38     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS38)  |  |
| CMU-39     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS39)  |  |
| CMU-40     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS40)  |  |
| CMU-41     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS41)  |  |
| CMU-42     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS42)  |  |
| CMU-43     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS43)  |  |
| CMU-44     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS44)  |  |
| CMU-45     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS45)  |  |
| CMU-46     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS46)  |  |
| CMU-47     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS47)  |  |
| CMU-48     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS48)  |  |
| CMU-49     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS49)  |  |
| CMU-50     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS50)  |  |
| CMU-51     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS51)  |  |
| CMU-52     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS52)  |  |
| CMU-53     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS53)  |  |
| CMU-54     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS54)  |  |
| CMU-55     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS55)  |  |
| CMU-56     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS56)  |  |
| CMU-57     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS57)  |  |
| CMU-58     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS58)  |  |
| CMU-59     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS59)  |  |
| CMU-60     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS60)  |  |
| CMU-61     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS61)  |  |
| CMU-62     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS62)  |  |
| CMU-63     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS63)  |  |
| CMU-64     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS64)  |  |
| CMU-65     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS65)  |  |
| CMU-66     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS66)  |  |
| CMU-67     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS67)  |  |
| CMU-68     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS68)  |  |
| CMU-69     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS69)  |  |
| CMU-70     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS70)  |  |
| CMU-71     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS71)  |  |
| CMU-72     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS72)  |  |
| CMU-73     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS73)  |  |
| CMU-74     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS74)  |  |
| CMU-75     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS75)  |  |
| CMU-76     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS76)  |  |
| CMU-77     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS77)  |  |
| CMU-78     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS78)  |  |
| CMU-79     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS79)  |  |
| CMU-80     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS80)  |  |
| CMU-81     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS81)  |  |
| CMU-82     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS82)  |  |
| CMU-83     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS83)  |  |
| CMU-84     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS84)  |  |
| CMU-85     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS85)  |  |
| CMU-86     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS86)  |  |
| CMU-87     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS87)  |  |
| CMU-88     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS88)  |  |
| CMU-89     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS89)  |  |
| CMU-90     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS90)  |  |
| CMU-91     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS91)  |  |
| CMU-92     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS92)  |  |
| CMU-93     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS93)  |  |
| CMU-94     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS94)  |  |
| CMU-95     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS95)  |  |
| CMU-96     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS96)  |  |
| CMU-97     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS97)  |  |
| CMU-98     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS98)  |  |
| CMU-99     | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS99)  |  |
| CMU-100    | PRECISION - VERTICAL SCORE, INTERIOR SIDE (VS100) |  |

| 05 METALS | INSULATED METAL PANEL |
|-----------|-----------------------|
| MTL-1     | TO MATCH:             |
| MTL-2     | TO MATCH:             |
| MTL-3     | TO MATCH:             |
| MTL-4     | TO MATCH:             |
| MTL-5     | TO MATCH:             |
| MTL-6     | TO MATCH:             |
| MTL-7     | TO MATCH:             |
| MTL-8     | TO MATCH:             |
| MTL-9     | TO MATCH:             |
| MTL-10    | TO MATCH:             |
| MTL-11    | TO MATCH:             |
| MTL-12    | TO MATCH:             |
| MTL-13    | TO MATCH:             |
| MTL-14    | TO MATCH:             |
| MTL-15    | TO MATCH:             |
| MTL-16    | TO MATCH:             |
| MTL-17    | TO MATCH:             |
| MTL-18    | TO MATCH:             |
| MTL-19    | TO MATCH:             |
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| MTL-22    | TO MATCH:             |
| MTL-23    | TO MATCH:             |
| MTL-24    | TO MATCH:             |
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| MTL-30    | TO MATCH:             |
| MTL-31    | TO MATCH:             |
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| MTL-42    | TO MATCH:             |
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| MTL-89    | TO MATCH:             |
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| MTL-91    | TO MATCH:             |
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| MTL-94    | TO MATCH:             |
| MTL-95    | TO MATCH:             |
| MTL-96    | TO MATCH:             |
| MTL-97    | TO MATCH:             |
| MTL-98    | TO MATCH:             |
| MTL-99    | TO MATCH:             |
| MTL-100   | TO MATCH:             |

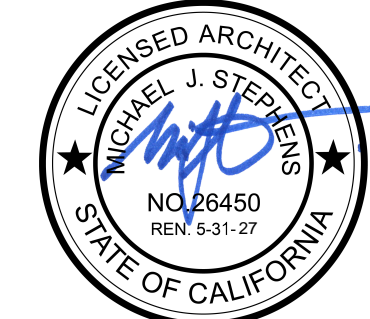
| 09 FINISHES | PORCELAIN WALL TILE |
|-------------|---------------------|
| T-1         | TO MATCH:           |
| T-2         | TO MATCH:           |
| T-3         | TO MATCH:           |
| T-4         | TO MATCH:           |
| T-5         | TO MATCH:           |
| T-6         | TO MATCH:           |
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| T-81        | TO MATCH:           |
| T-82        | TO MATCH:           |
| T-83        | TO MATCH:           |
| T-84        | TO MATCH:           |
| T-85        | TO MATCH:           |
| T-86        | TO MATCH:           |
| T-87        | TO MATCH:           |
| T-88        | TO MATCH:           |
| T-89        | TO MATCH:           |
| T-90        | TO MATCH:           |
| T-91        | TO MATCH:           |
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| T-96        | TO MATCH:           |
| T-97        | TO MATCH:           |
| T-98        | TO MATCH:           |
| T-99        | TO MATCH:           |
| T-100       | TO MATCH:           |

EXTERIOR ELEVATIONS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS



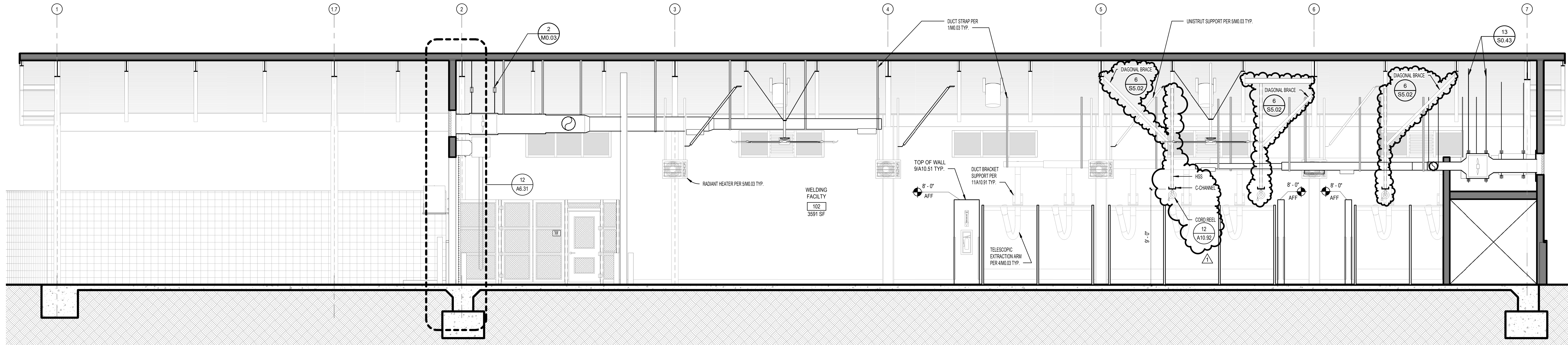
sgn  
ARCHITECTS

PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 08/28/2025  
SHEET ISSUED: 08/28/2025  
DATE: 11/28/2025  
DESCRIPTION: ADDENDUM 1

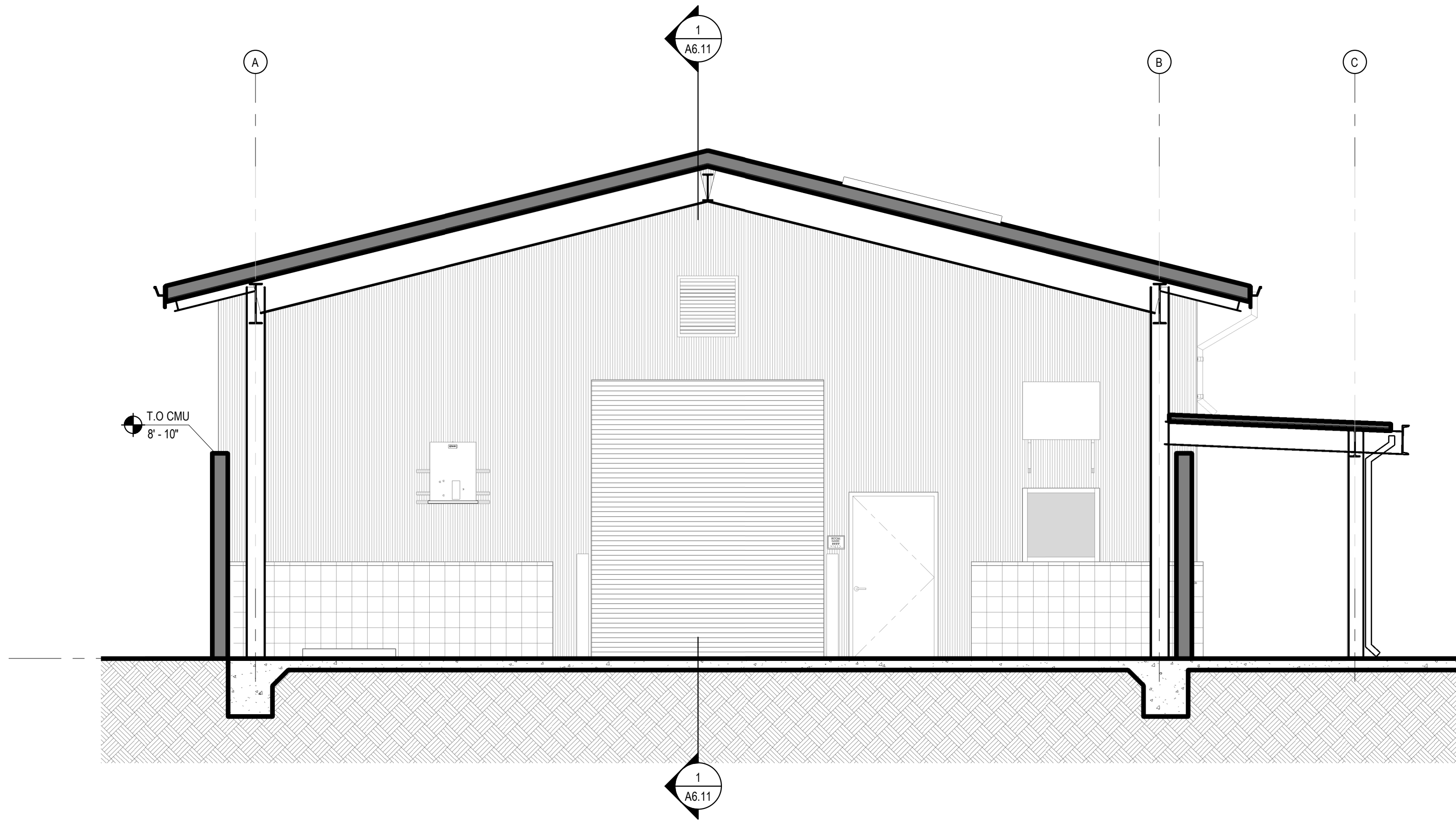
A5.11



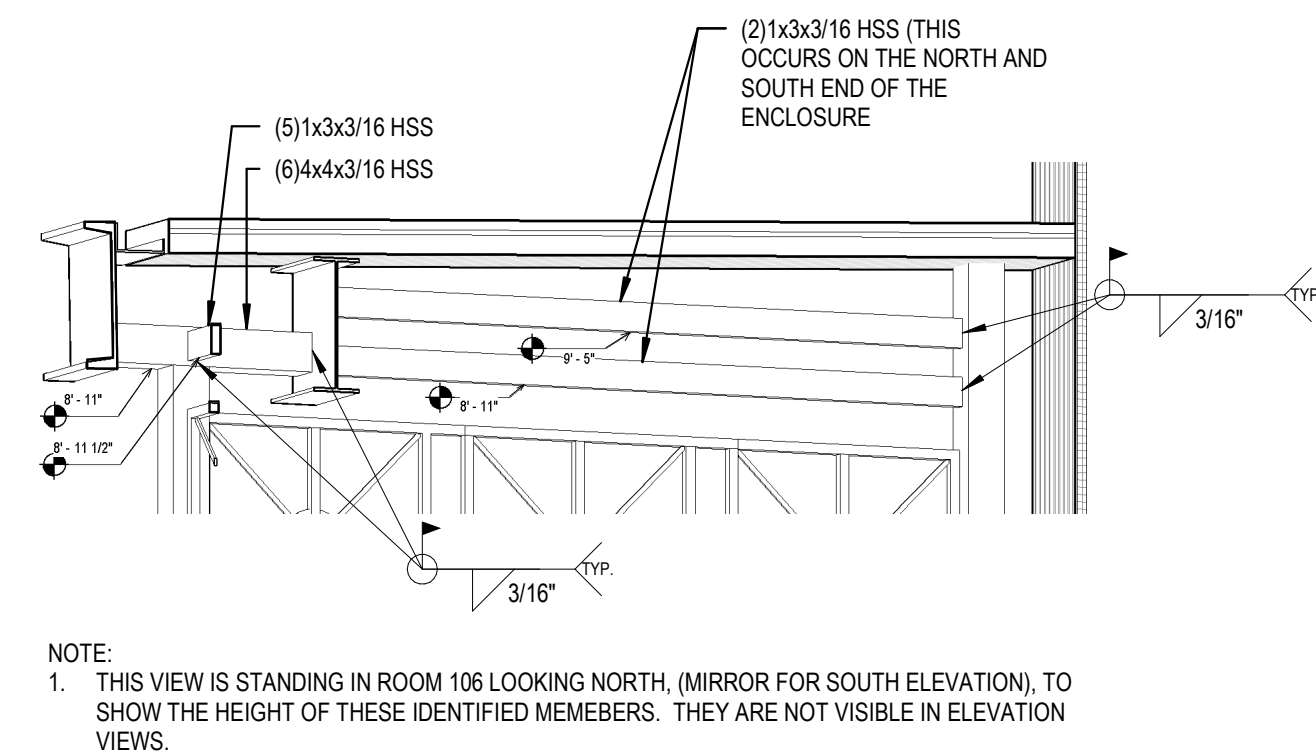
1/11/2025 2:07:13 PM C:\Users\carl\Documents\WVF Building design - R24\_D\cadd\05EN1.v4



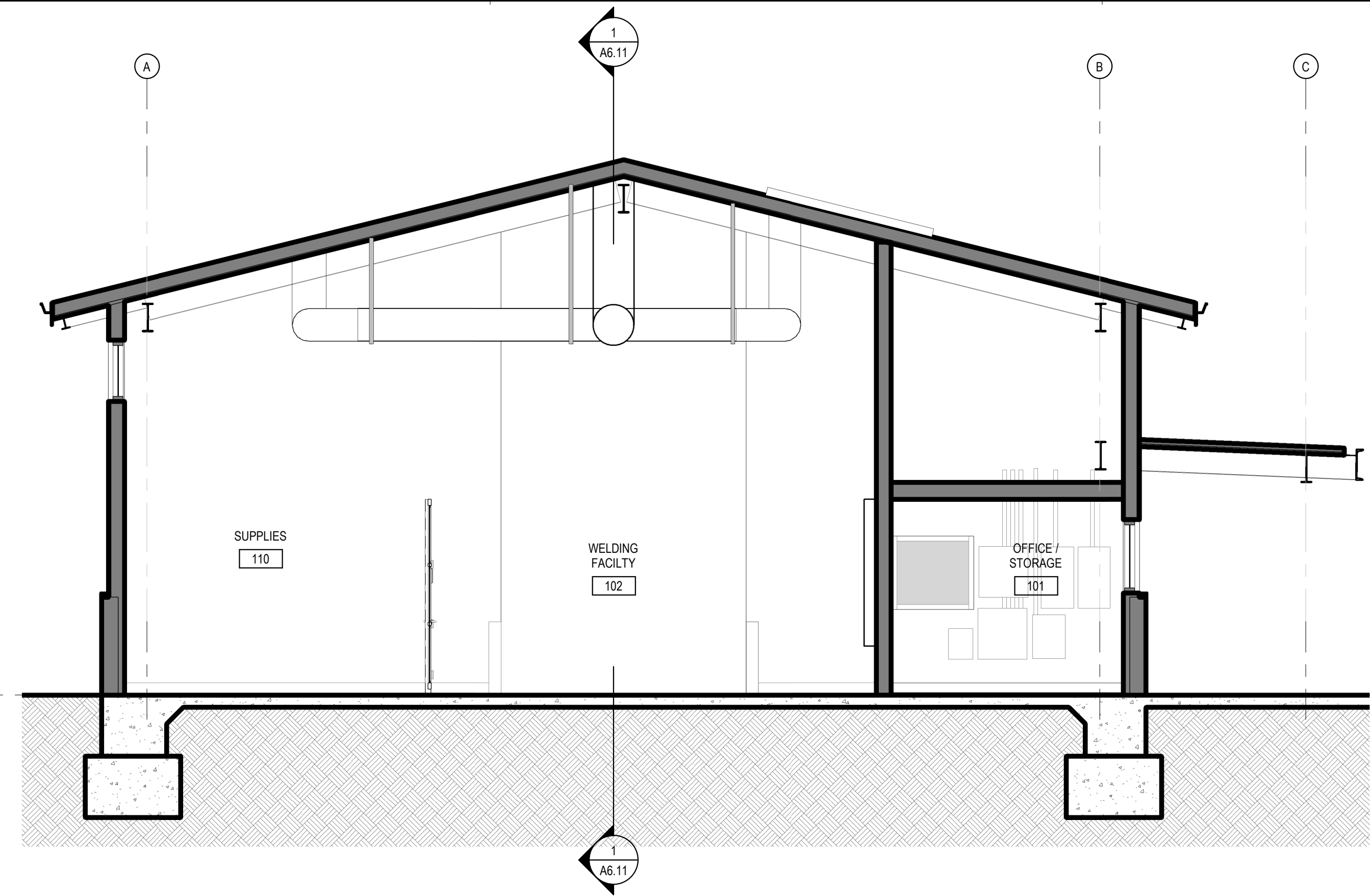
BUILDING SECTION 1  
1/4" = 1'-0" SCALE



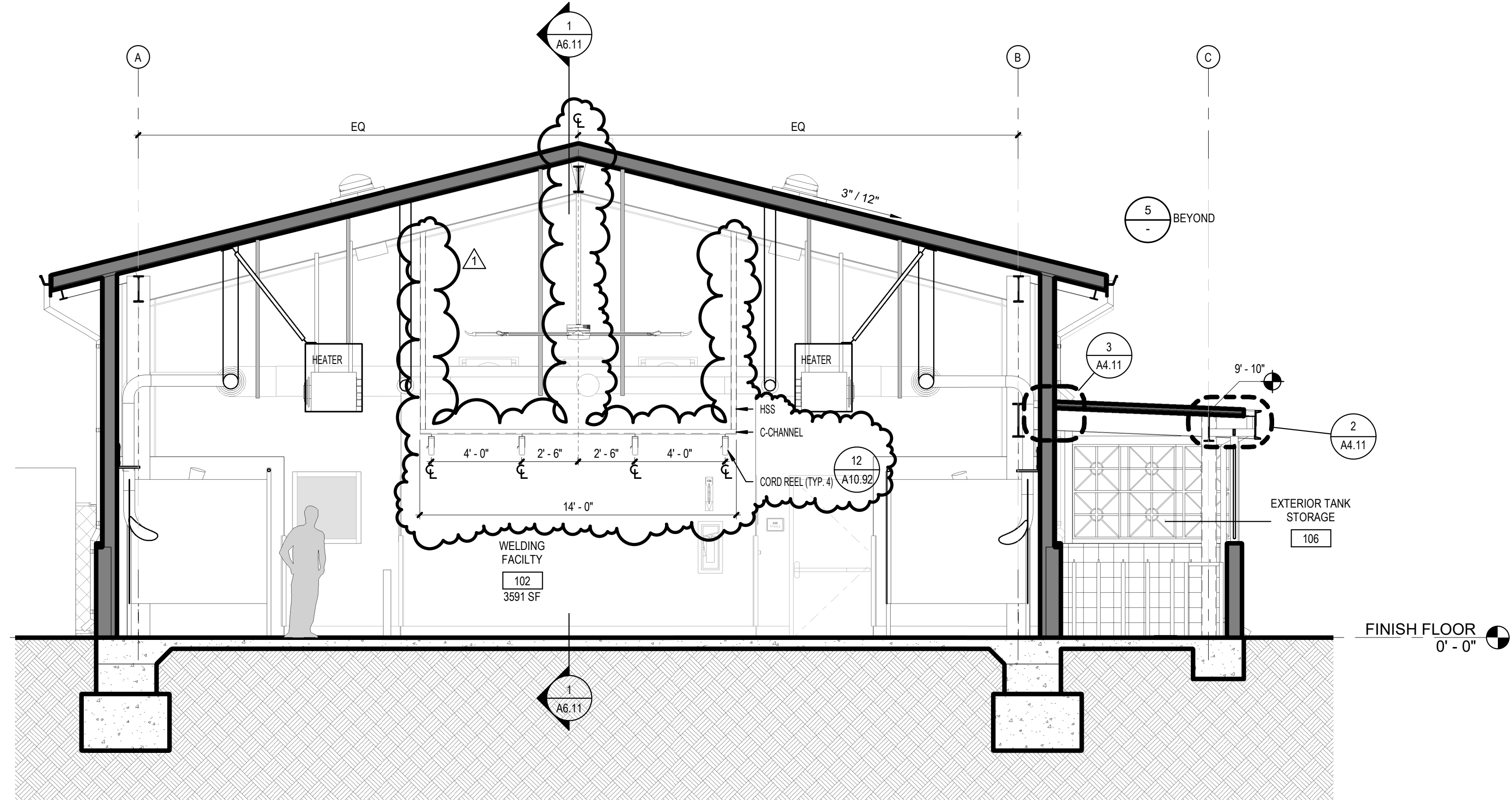
BUILDING SECTION 4  
1/4" = 1'-0" SCALE



AXO ABOVE SCREEN 5  
NTS SCALE



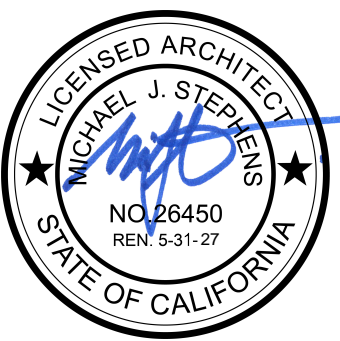
BUILDING SECTION 3  
1/4" = 1'-0" SCALE



BUILDING SECTION 2  
1/4" = 1'-0" SCALE

PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 08/28/2025  
SHEET ISSUED: 08/28/2025  
DATE: 11/12/2025  
DESCRIPTION: ADDENDUM 1

sgn ARCHITECTS



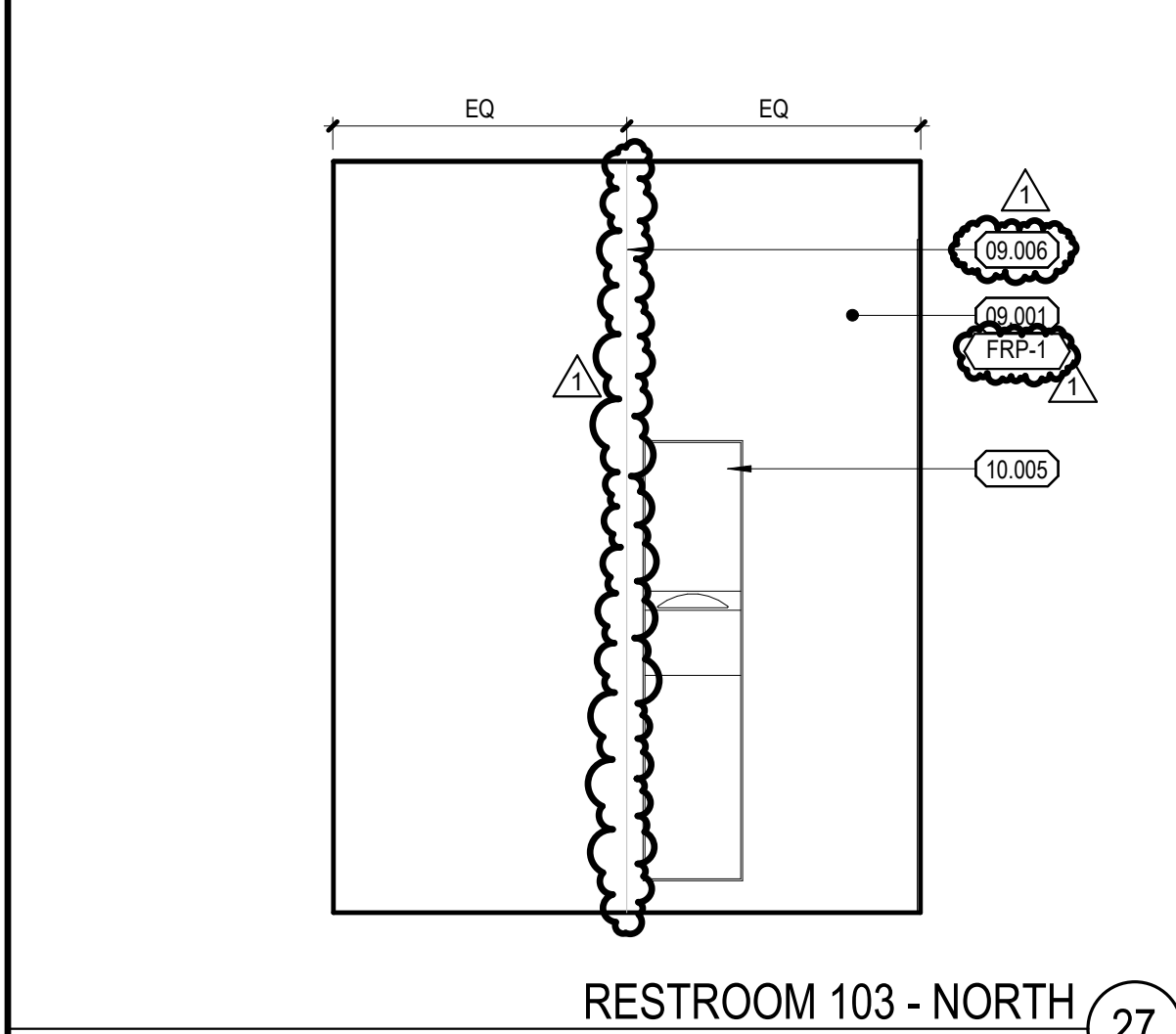
SECTIONS - OVERALL BUILDING

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

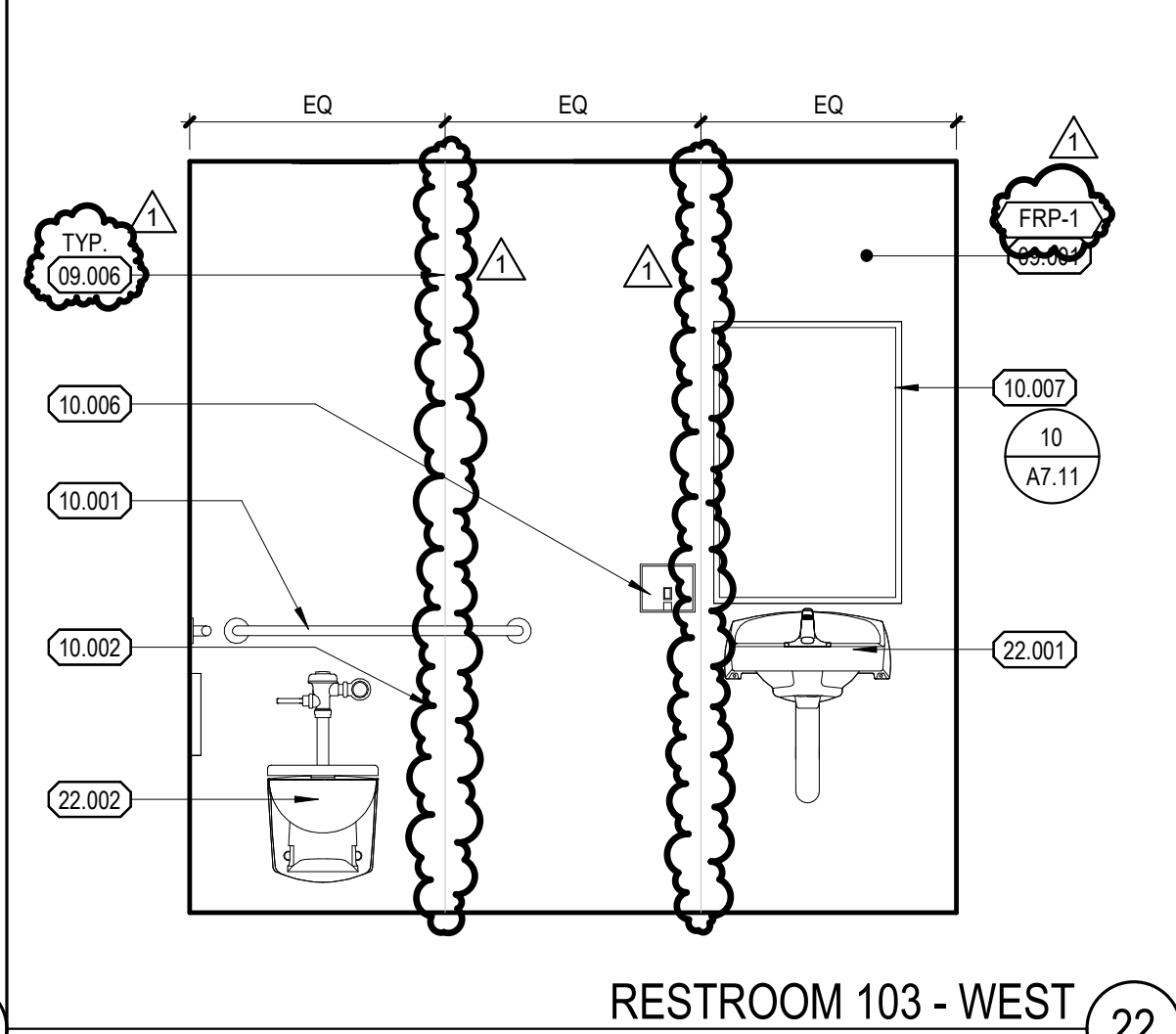
9400 CHERRY AVENUE, FONTANA, CA 92335

A6.11

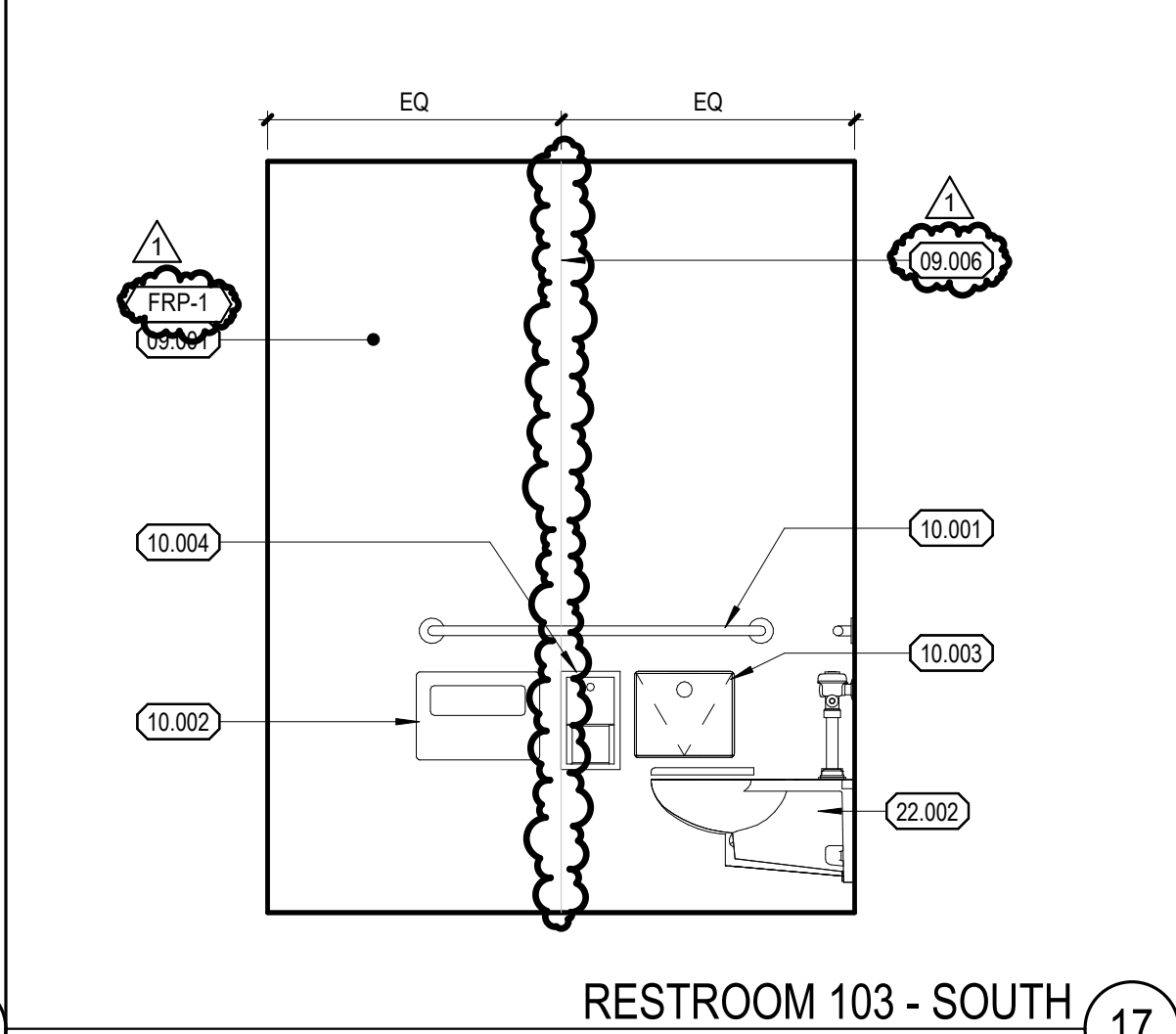




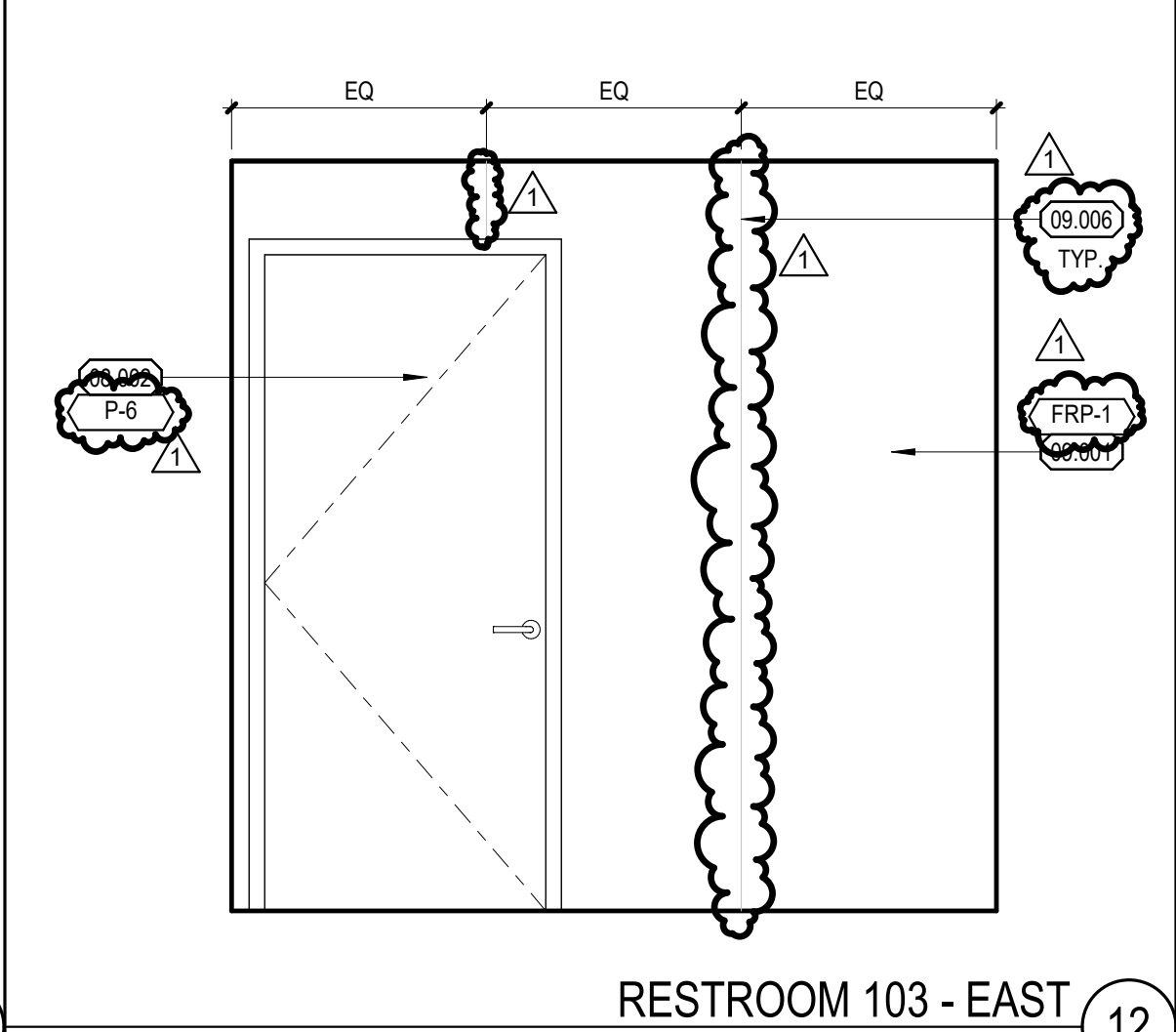
RESTROOM 103 - NORTH  
1/2" = 1'-0" SCALE 27



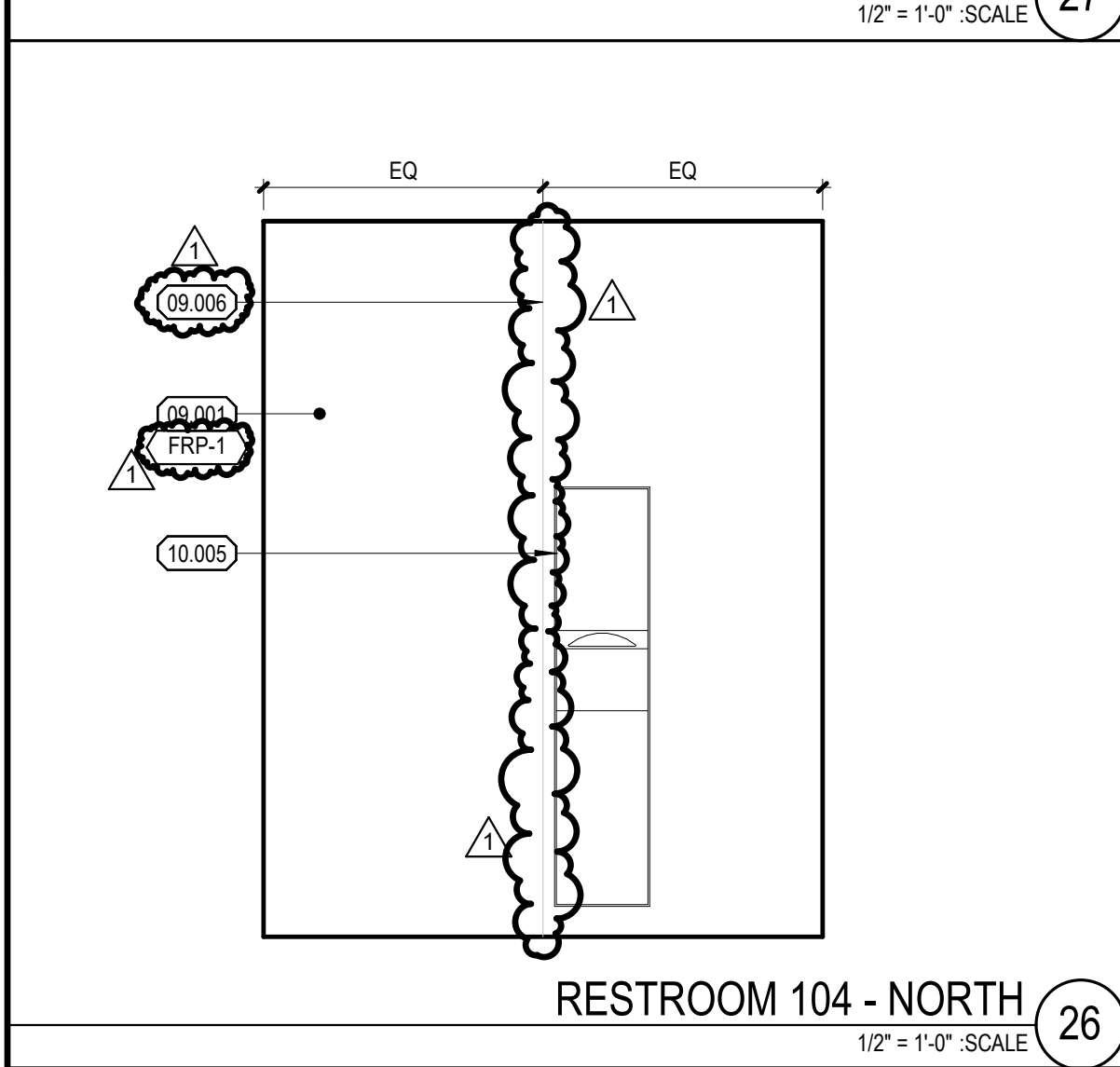
RESTROOM 103 - WEST  
1/2" = 1'-0" SCALE 22



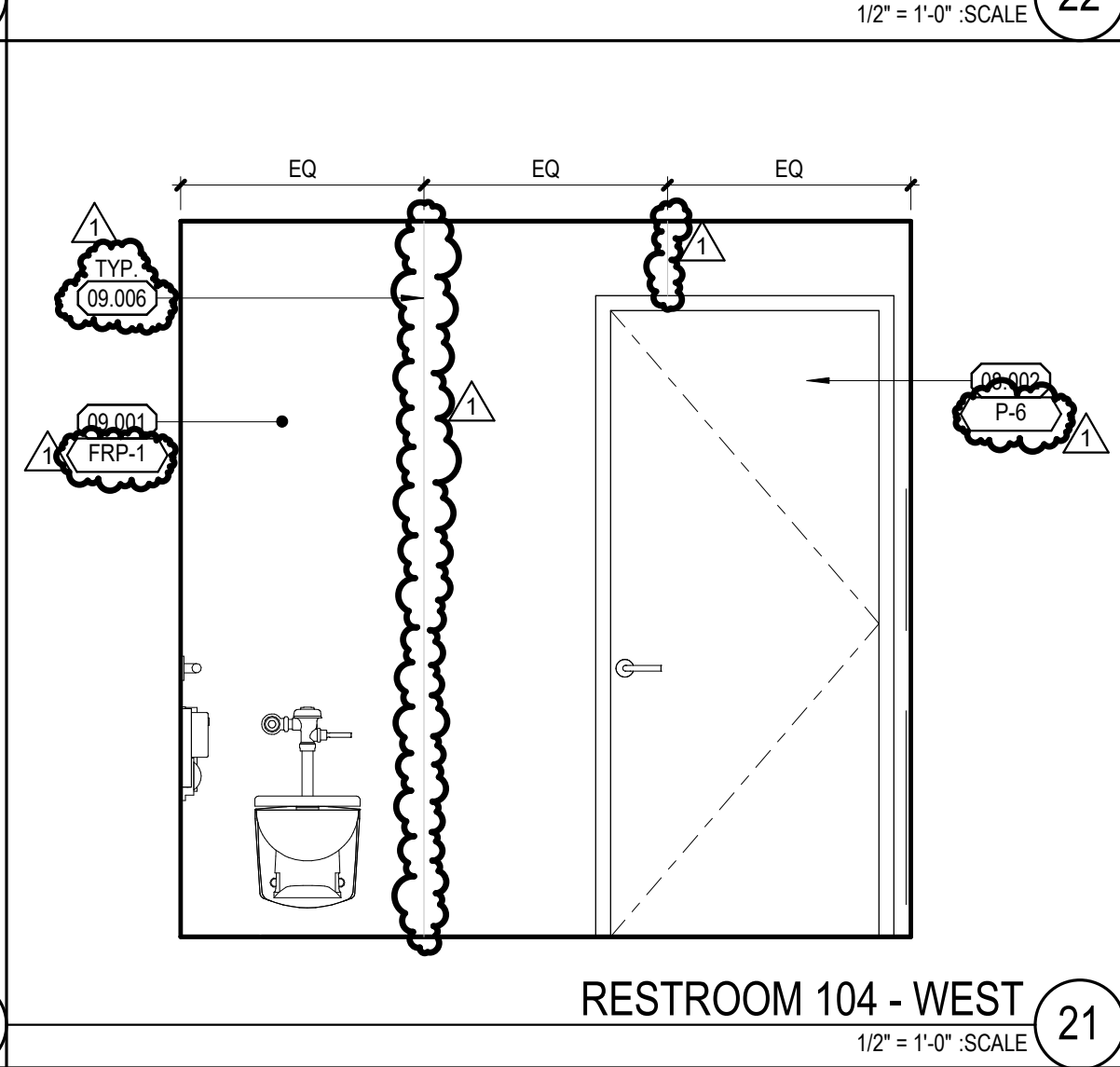
RESTROOM 103 - SOUTH  
1/2" = 1'-0" SCALE 17



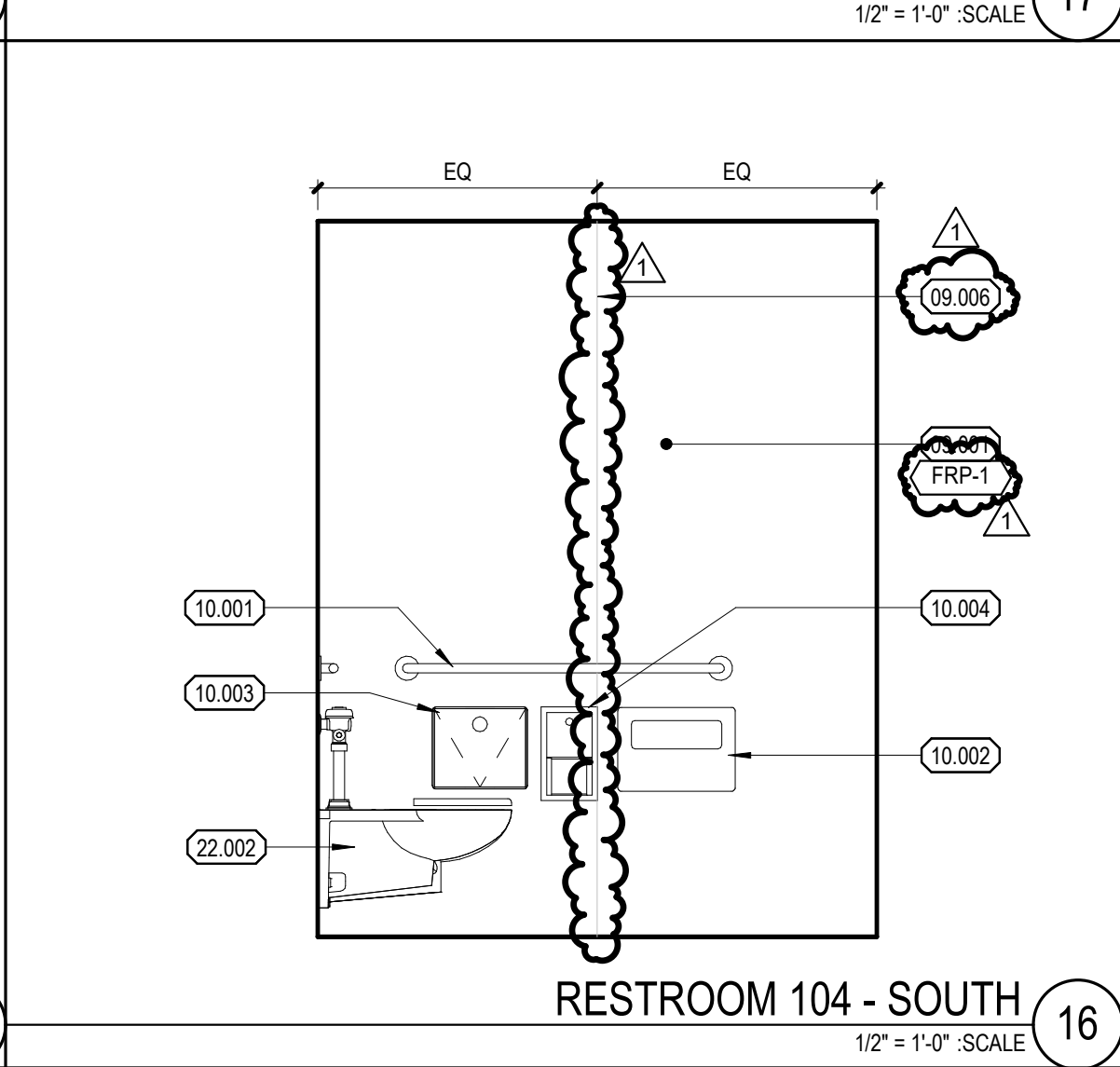
RESTROOM 103 - EAST  
1/2" = 1'-0" SCALE 12



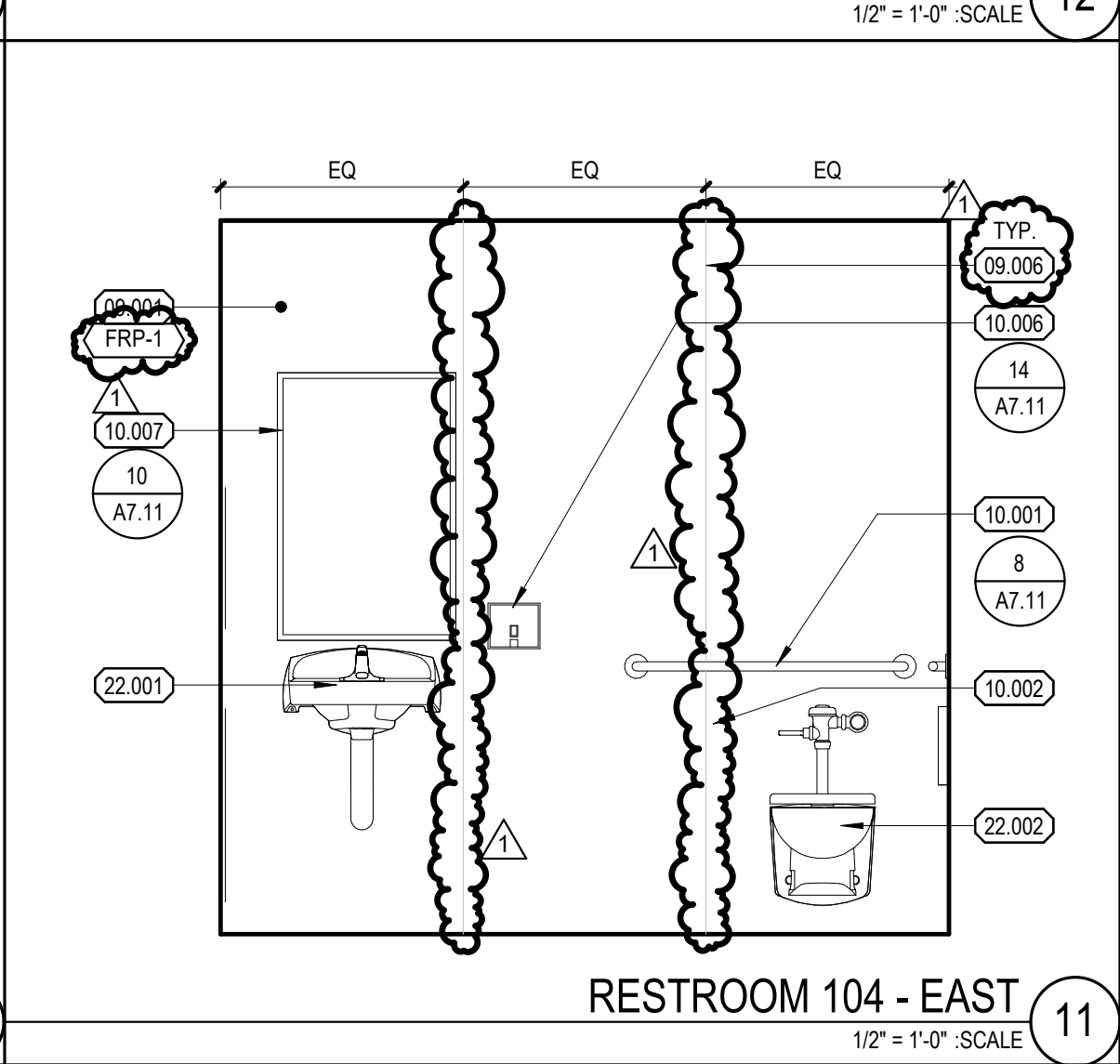
RESTROOM 104 - NORTH  
1/2" = 1'-0" SCALE 26



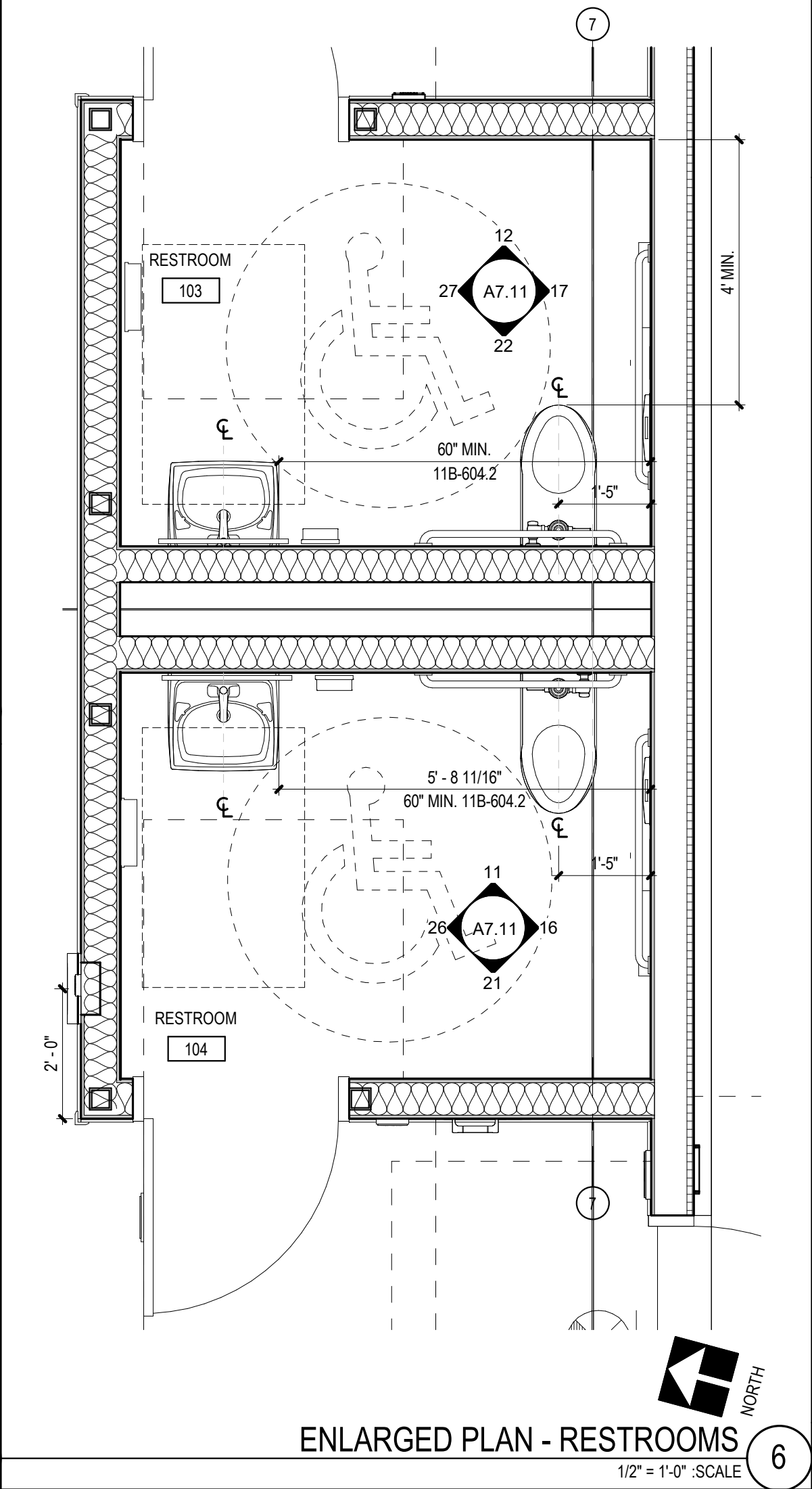
RESTROOM 104 - WEST  
1/2" = 1'-0" SCALE 21



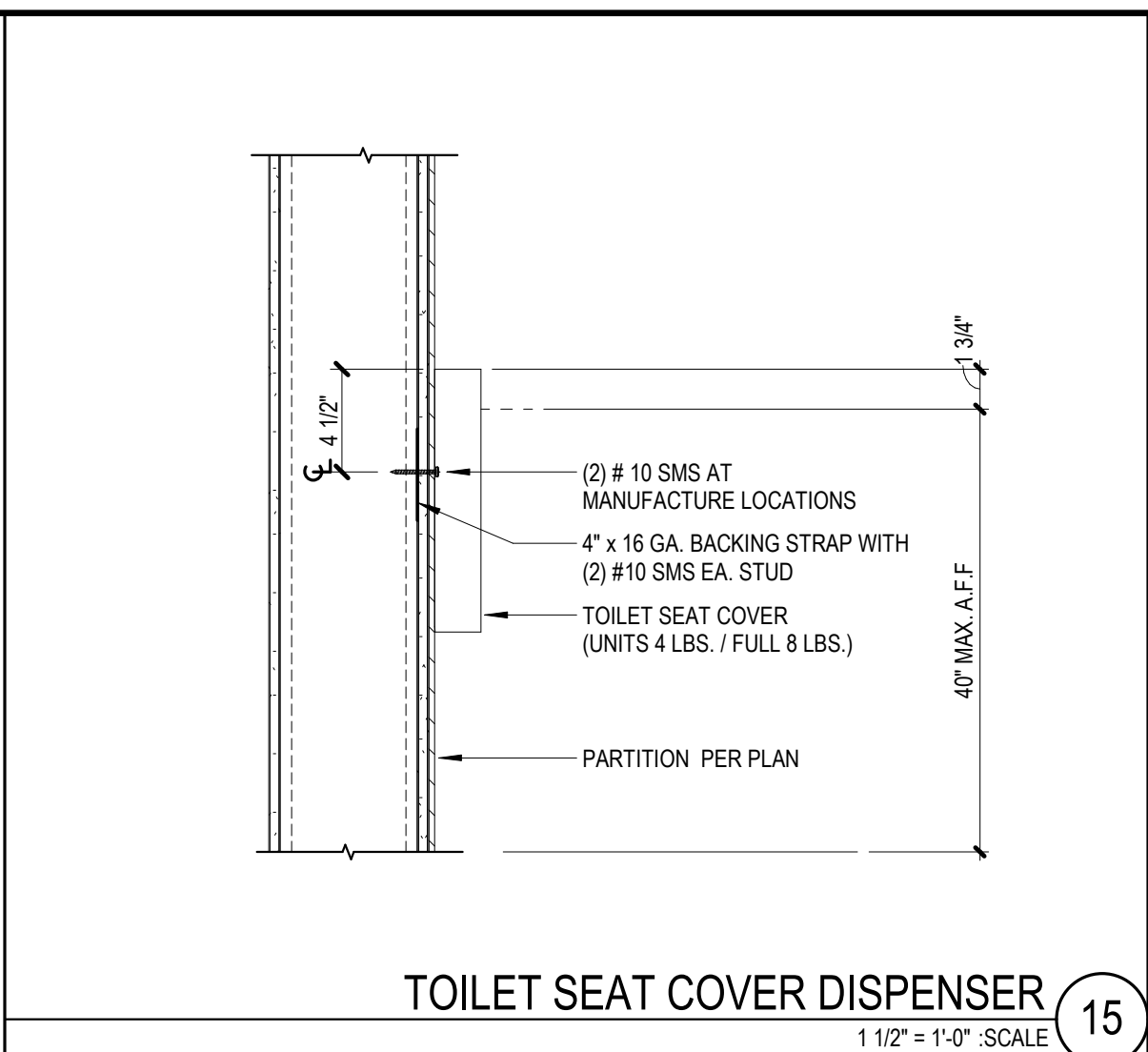
RESTROOM 104 - SOUTH  
1/2" = 1'-0" SCALE 16



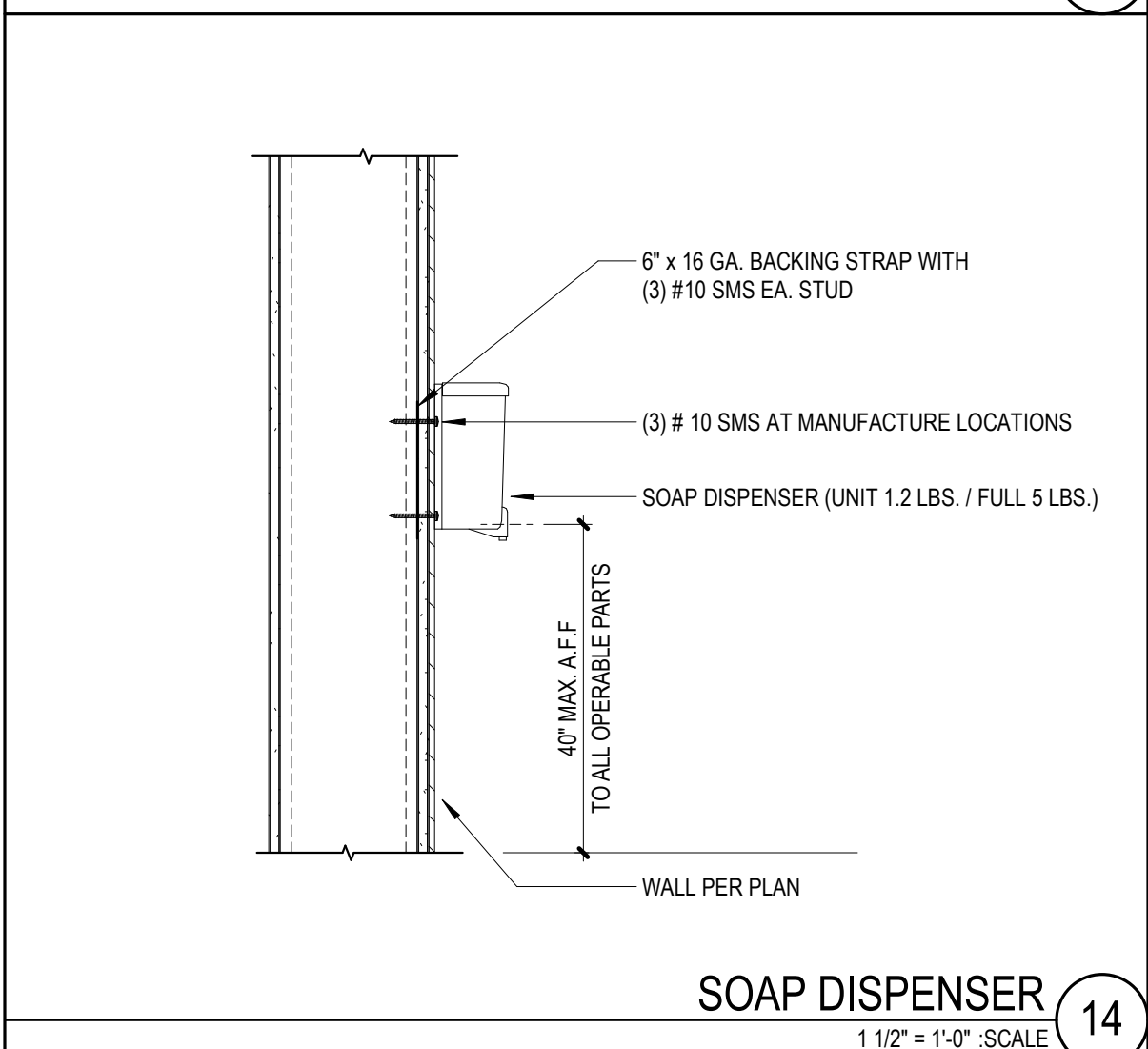
RESTROOM 104 - EAST  
1/2" = 1'-0" SCALE 11



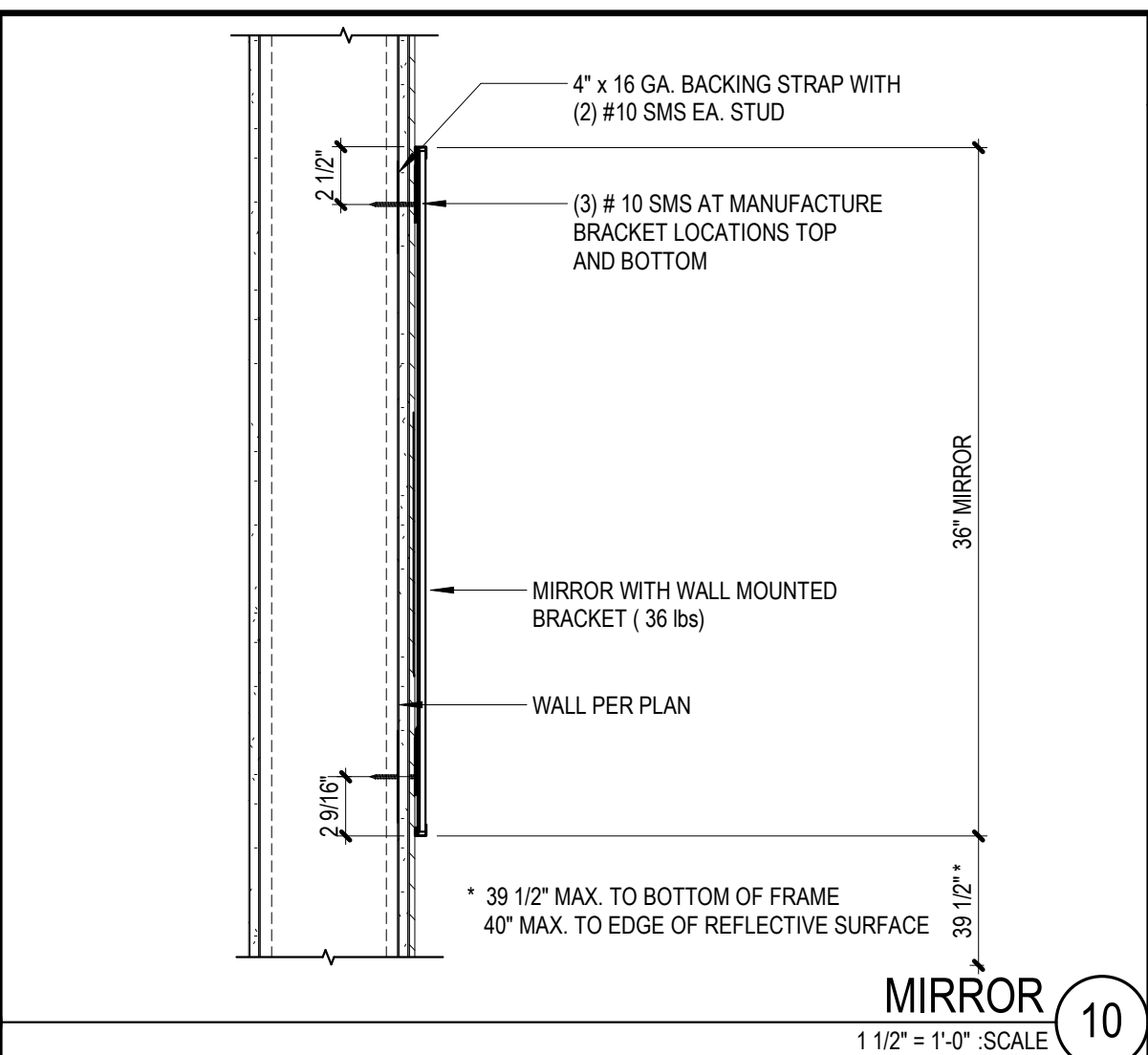
ENLARGED PLAN - RESTROOMS  
1/2" = 1'-0" SCALE 6



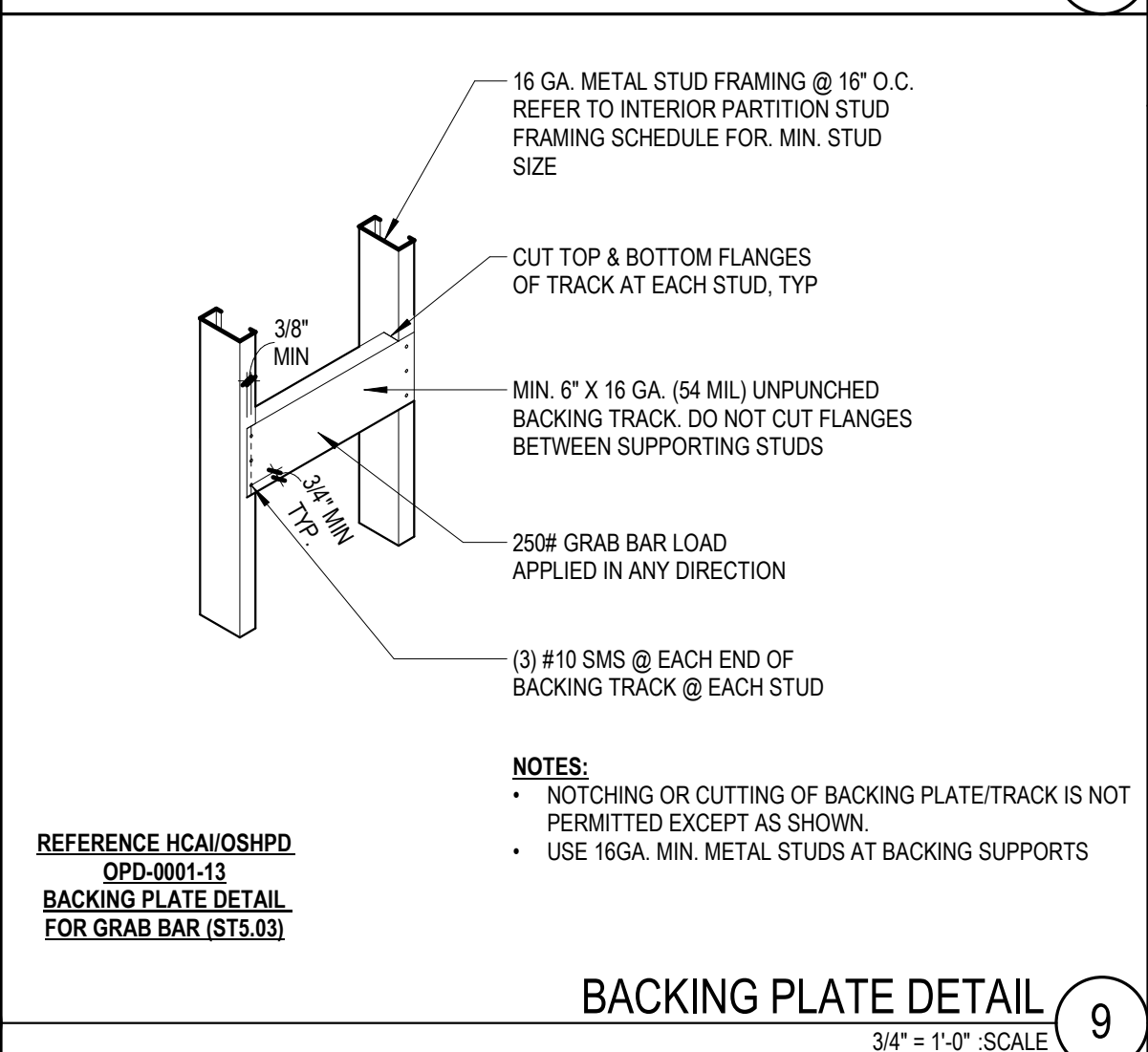
TOILET SEAT COVER DISPENSER  
1 1/2" = 1'-0" SCALE 15



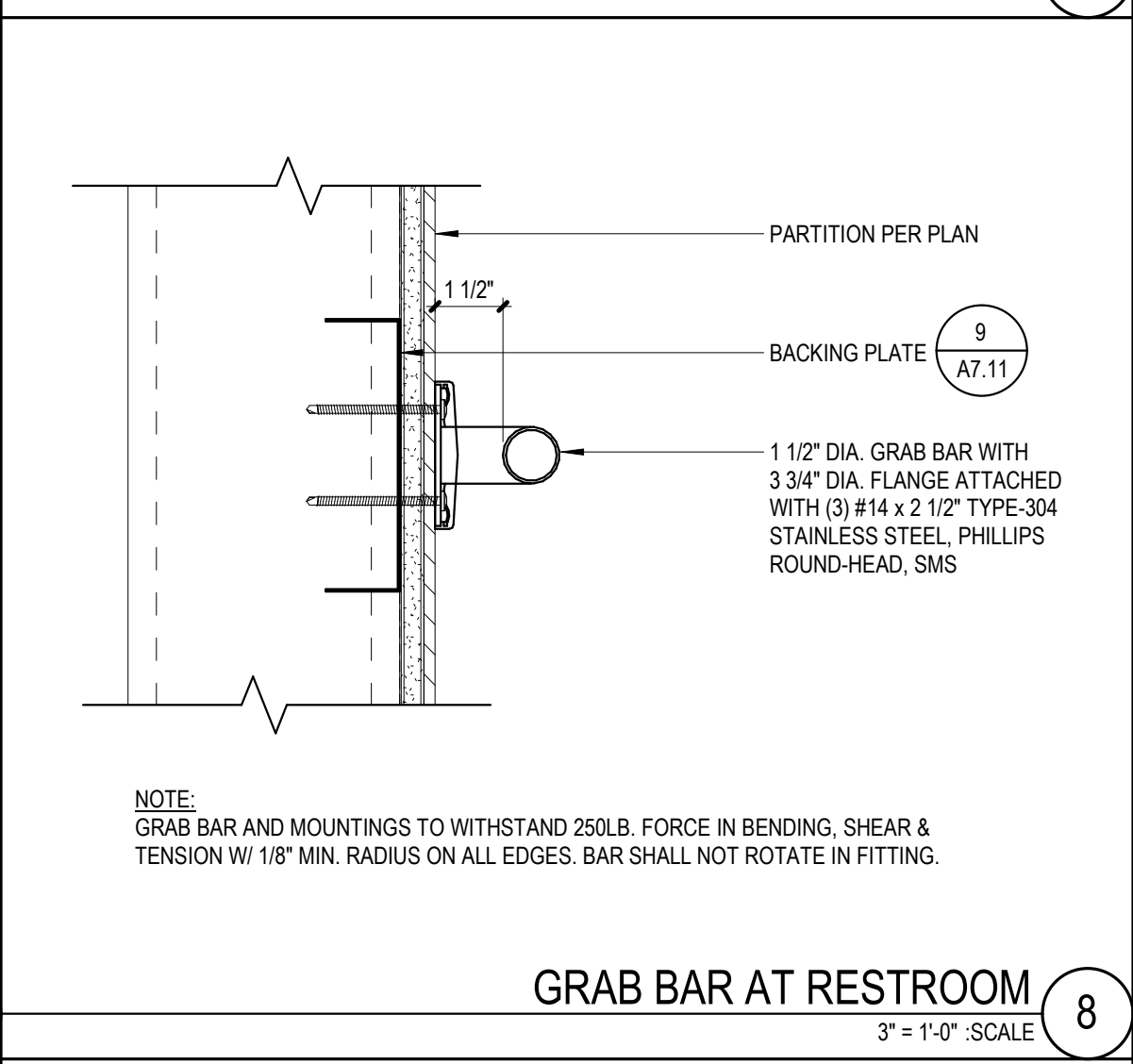
SOAP DISPENSER  
1 1/2" = 1'-0" SCALE 14



MIRROR  
1 1/2" = 1'-0" SCALE 10

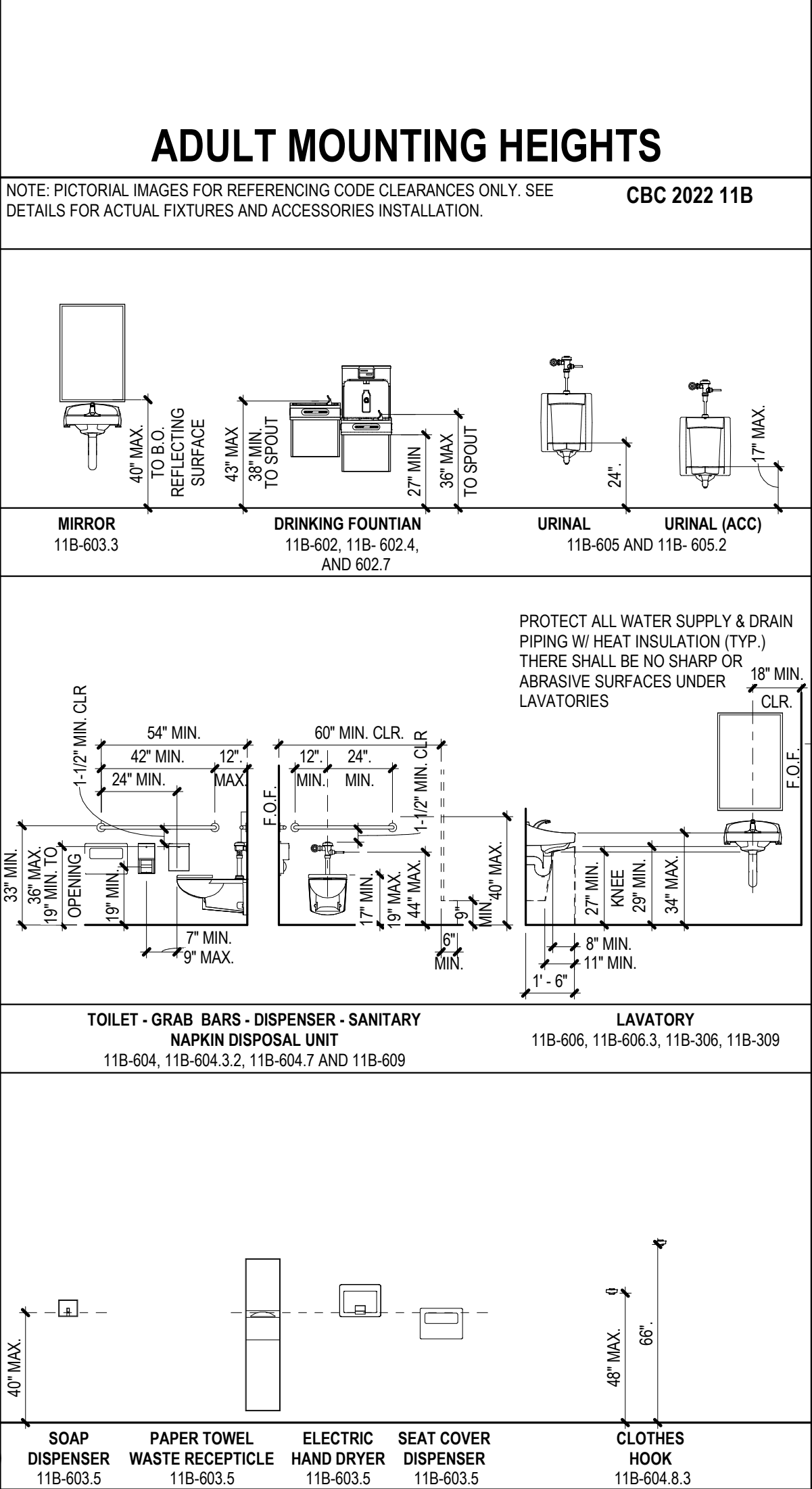
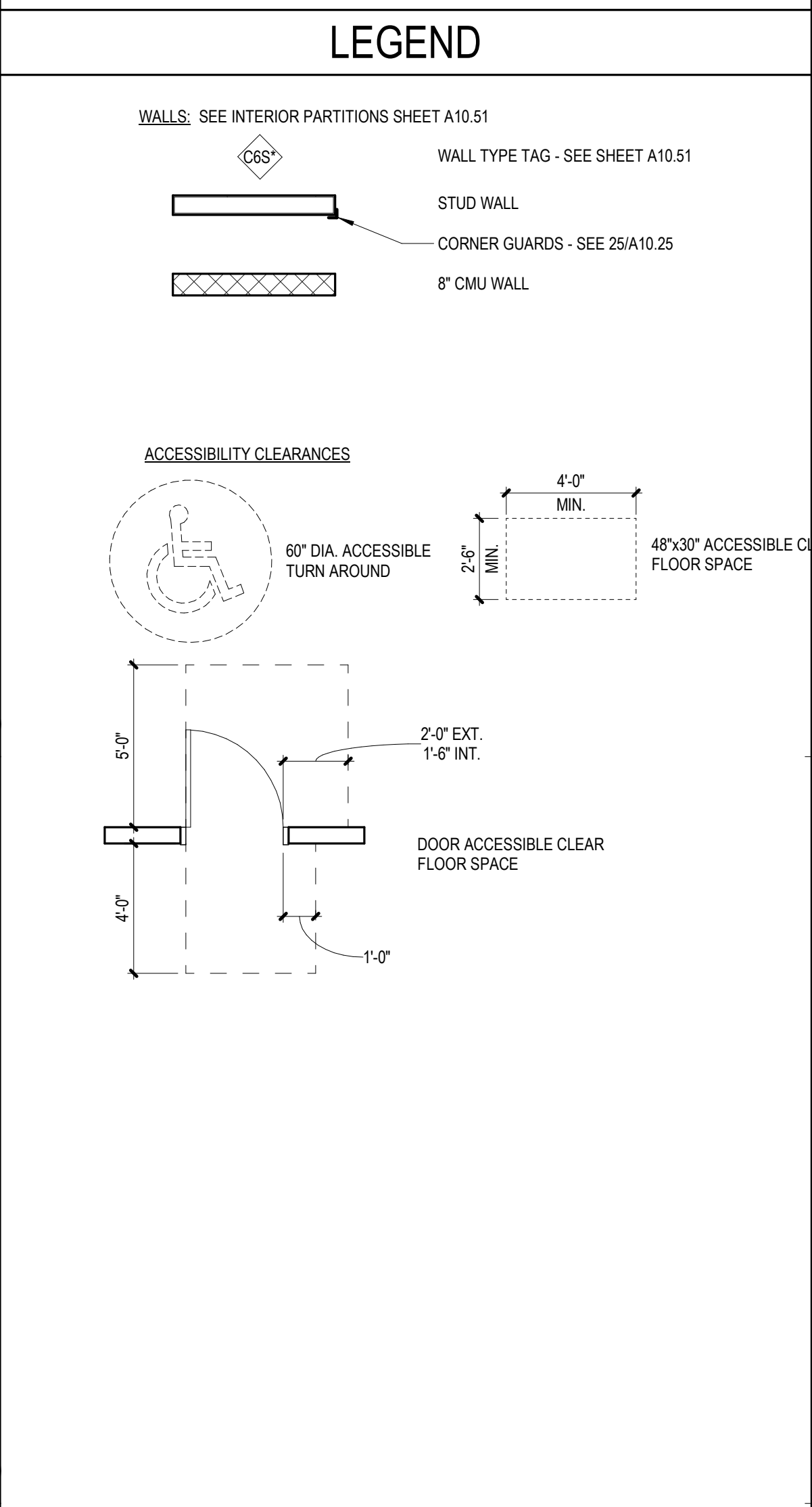


BACKING PLATE DETAIL  
3/4" = 1'-0" SCALE 9

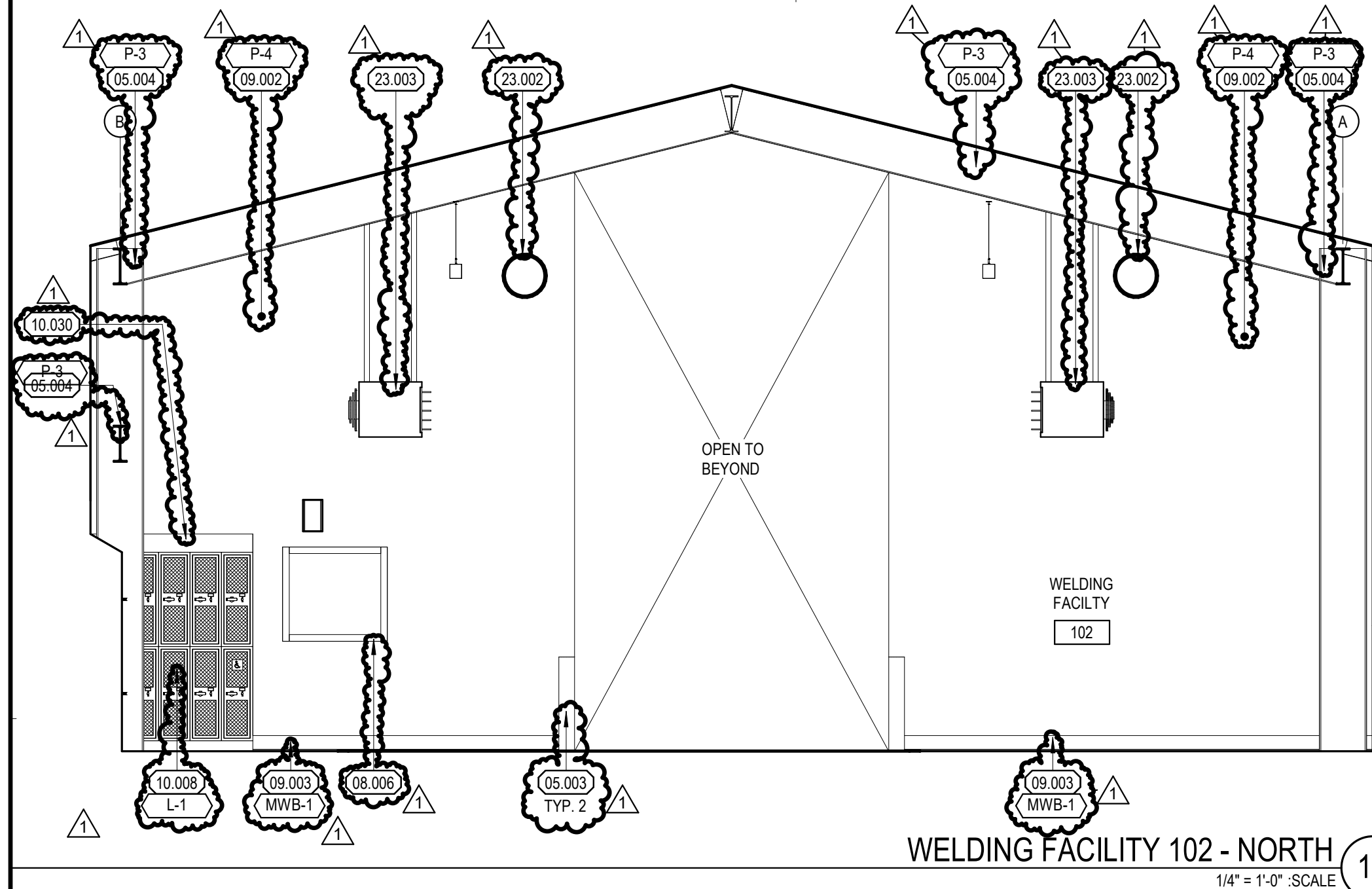


GRAB BAR AT RESTROOM  
3\"/>

| KEYNOTES    |   |
|-------------|---|
| DESCRIPTION |   |
| 08.002      | DOOR AND DOOR FRAME - SEE DOOR SCHEDULE   |
| 09.001      | FIBER-REINFORCED PLASTIC  |
| 09.006      | FIBER-REINFORCED PLASTIC SEAM   |
| 10.001      | TOILET ACCESSORIES - GRAB BAR   |
| 10.002      | TOILET ACCESSORIES - SURFACE MOUNTED TOILET SEAT COVER DISPENSER                  |
| 10.003      | TOILET ACCESSORIES - SURFACE MOUNTED NAPKIN DISPOSAL                              |
| 10.004      | TOILET ACCESSORIES - SURFACE MOUNTED TOILET TISSUE DISPENSER                      |
| 10.005      | TOILET ACCESSORIES - RECESSED ACCESSIBLE PAPER TOWEL DISPENSER AND TRASH DISPOSAL |
| 10.006      | TOILET ACCESSORIES - WALL MOUNTED SOAP DISPENSER                                  |
| 10.007      | TOILET ACCESSORIES - FRAMED GLASS MIRROR  |
| 22.001      | PLUMBING FIXTURE - LAVATORY - SEE PLUMBING  |
| 22.002      | PLUMBING FIXTURE - WATER CLOSET - SEE PLUMBING                                    |

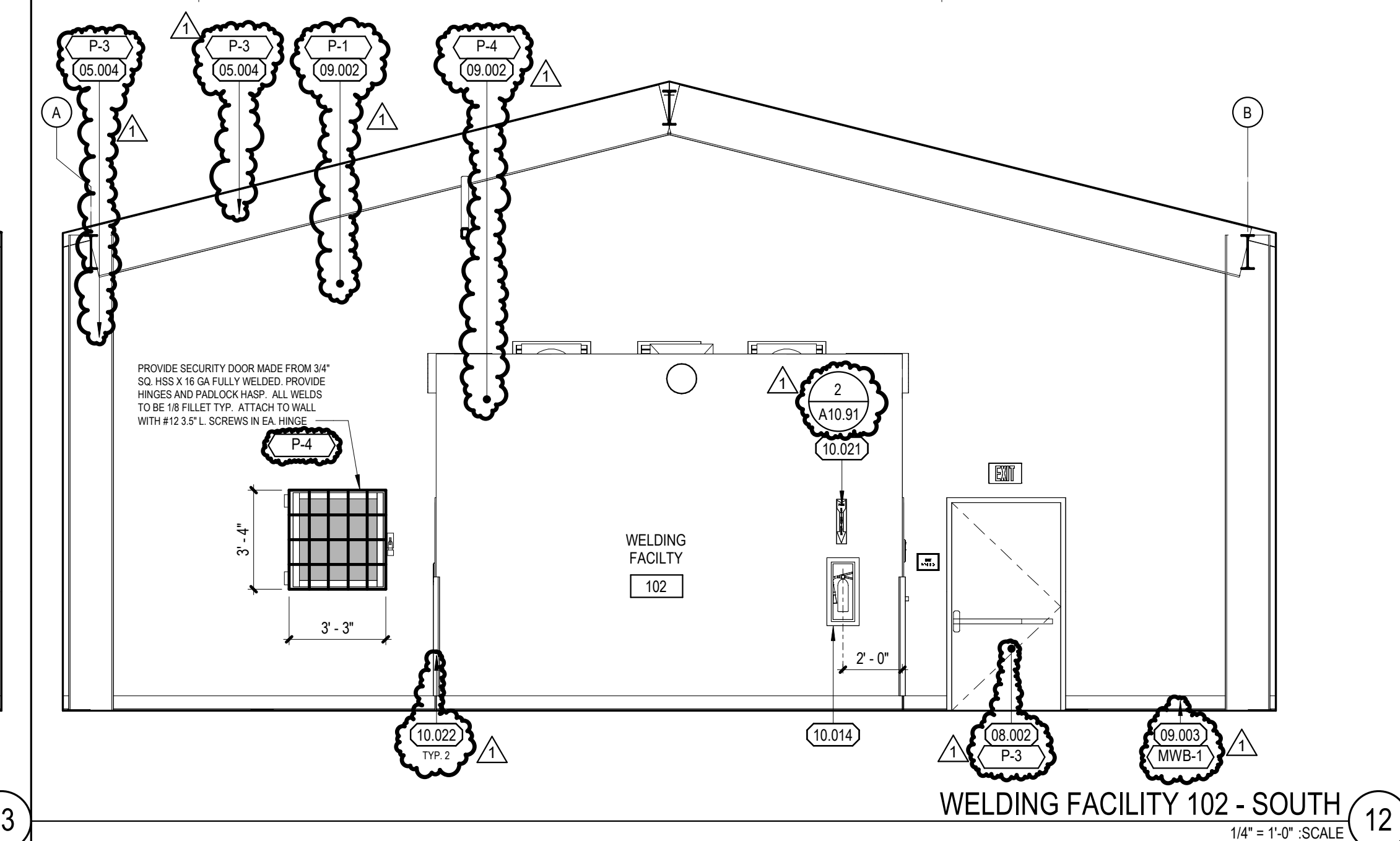






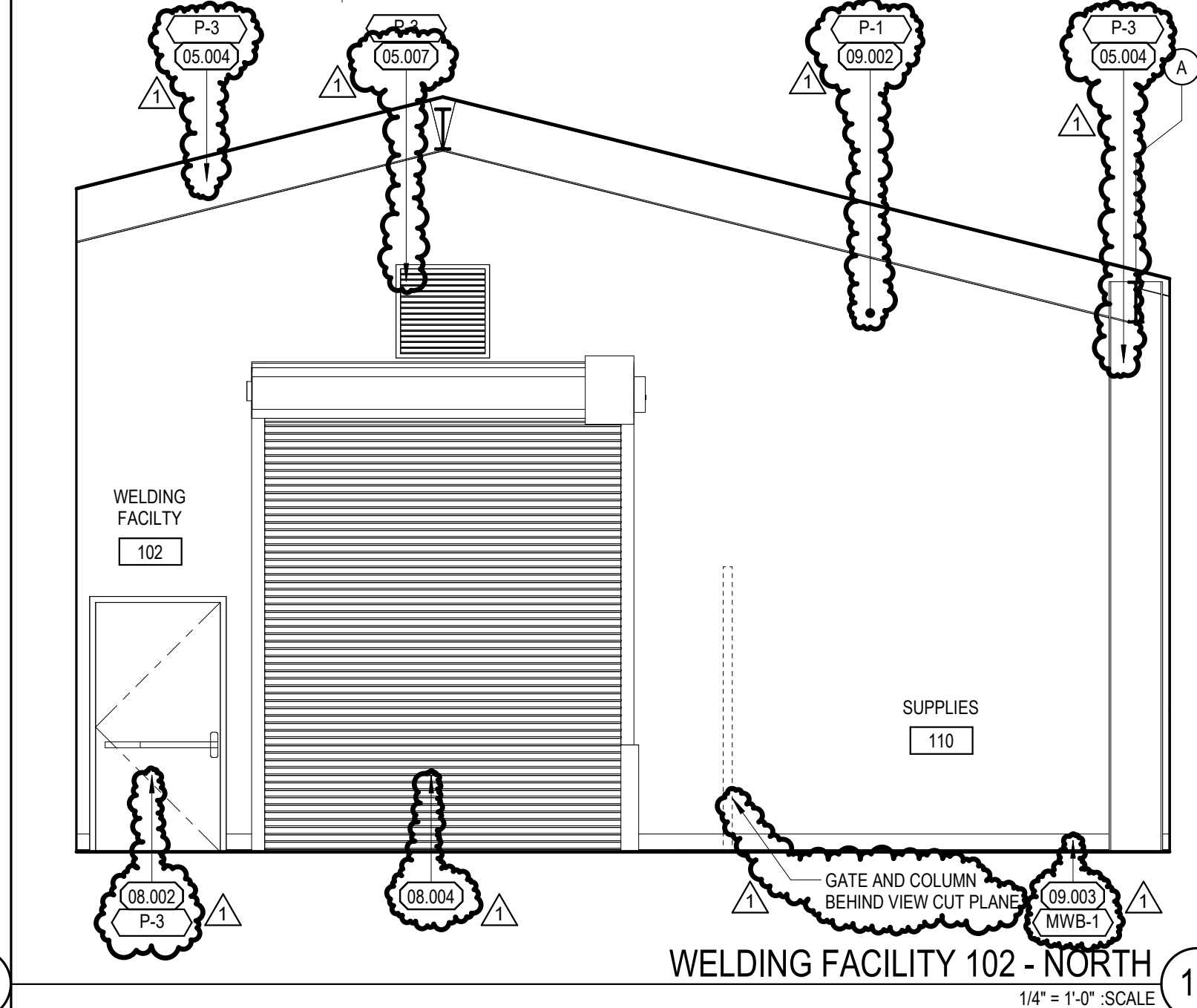
WELDING FACILITY 102 - NORTH

1/4" = 1'-0" SCALE



WELDING FACILITY 102 - SOUTH

1/4" = 1'-0" SCALE

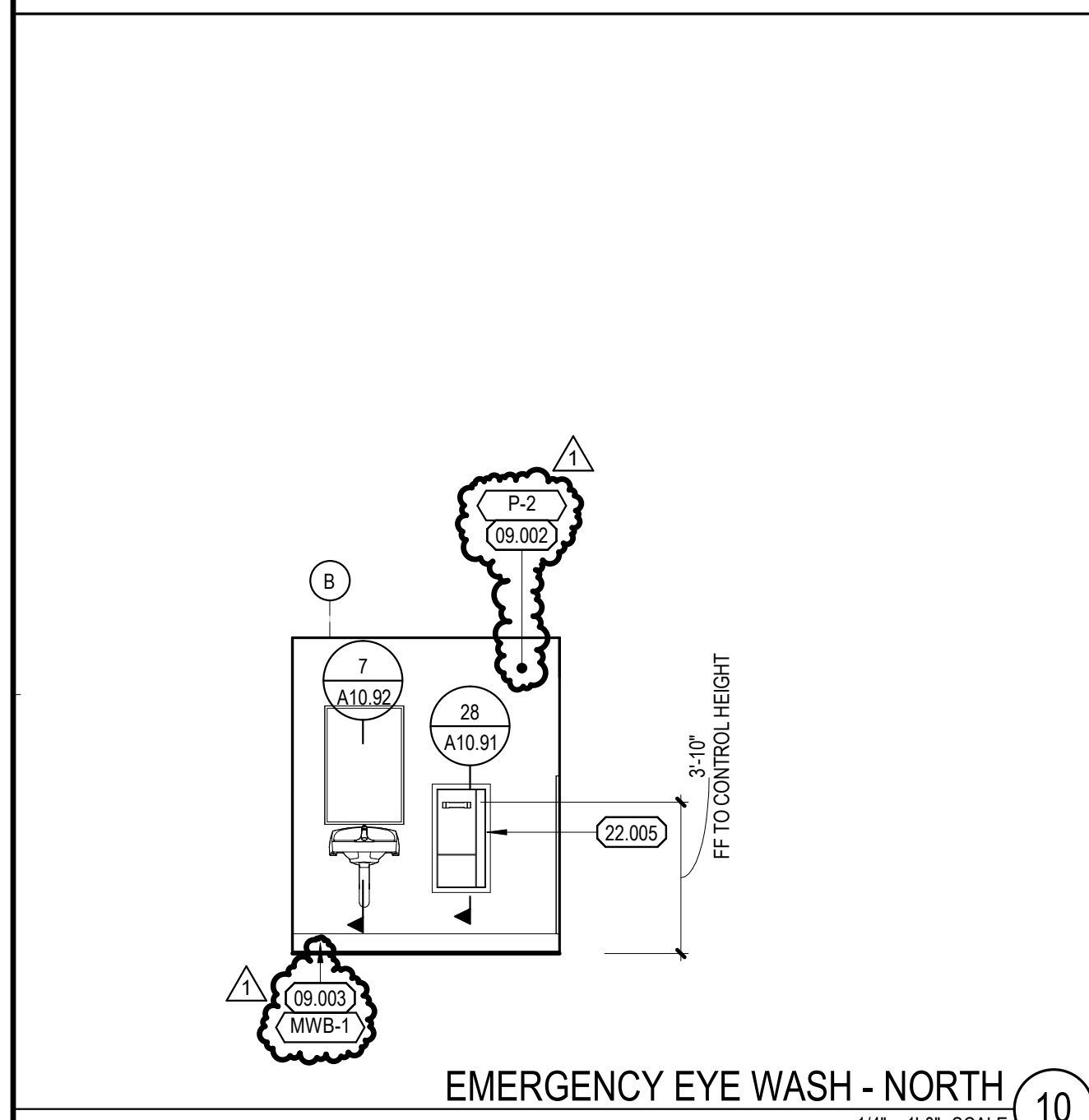


WELDING FACILITY 102 - NORTH

1/4" = 1'-0" SCALE

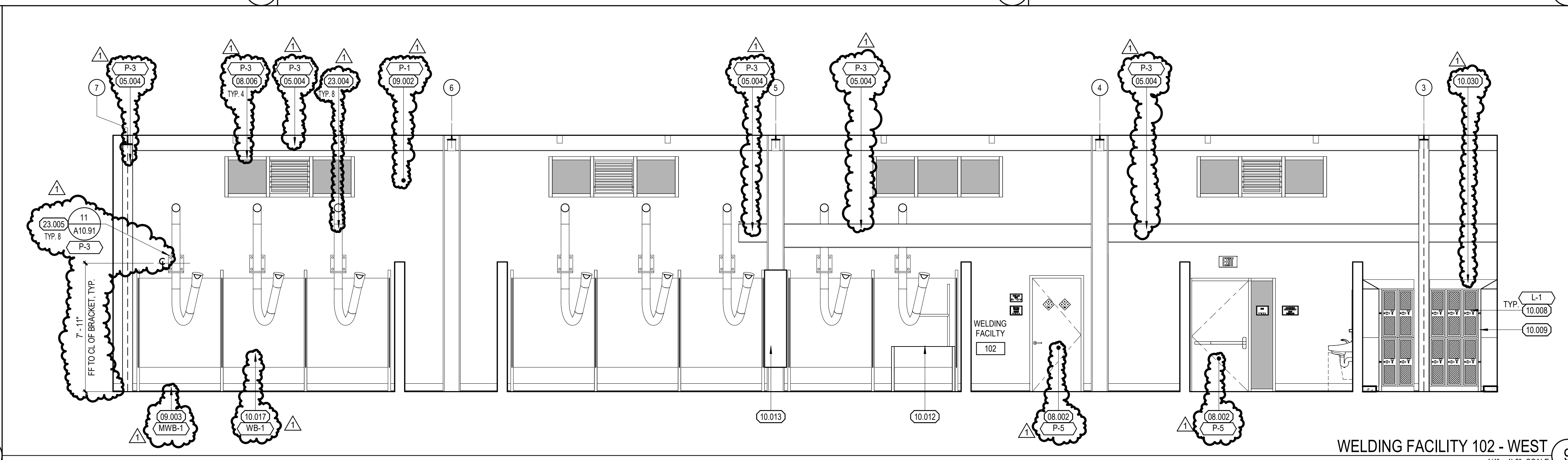
KEYNOTES

- 05.003 STEEL BOLLARD PER 16A10.11
- 05.004 STRUCTURAL STEEL MEMBER PER STURCT. DWG.
- 05.007 METAL LOUVERS
- 08.002 DOOR AND DOOR FRAME - SEE DOOR SCHEDULE
- 08.004 STEEL COLLING DOOR
- 08.006 HOLLOW METAL FRAME WINDOW SYSTEM
- 09.002 GYPSUM BOARD
- 09.003 RESILIENT BASE
- 10.008 METAL LOCKERS
- 10.009 MANUFACTURER PROVIDED FILLER PANELS AT CORNERS
- 10.010 ACCESSIBLE METAL LOCKER
- 10.012 STEEL WELDING TABLE
- 10.013 STEEL WELDING BOOTH - FILLER PANEL
- 10.014 FIRE PROTECTION CABINET
- 10.017 WELDING BOOTH
- 10.021 FIRE EXTINGUISHER SIGN
- 10.022 CORNER GUARDS - SEE 25A10.25
- 10.030 MANUFACTURER PROVIDED METAL SLOPED TOP
- 22.005 EMERGENCY EYE WASH STATION
- 23.002 EXPOSED MECHANICAL DUCTWORK, FACTORY FINISH - SEE MECHANICAL
- 23.003 RADIANT HEATER - SEE MECHANICAL
- 23.004 FUME EXTRACTION ARM - SEE MECHANICAL
- 23.005 DUCT BRACKET
- 28.001 CLOSED CIRCUIT TELEVISION



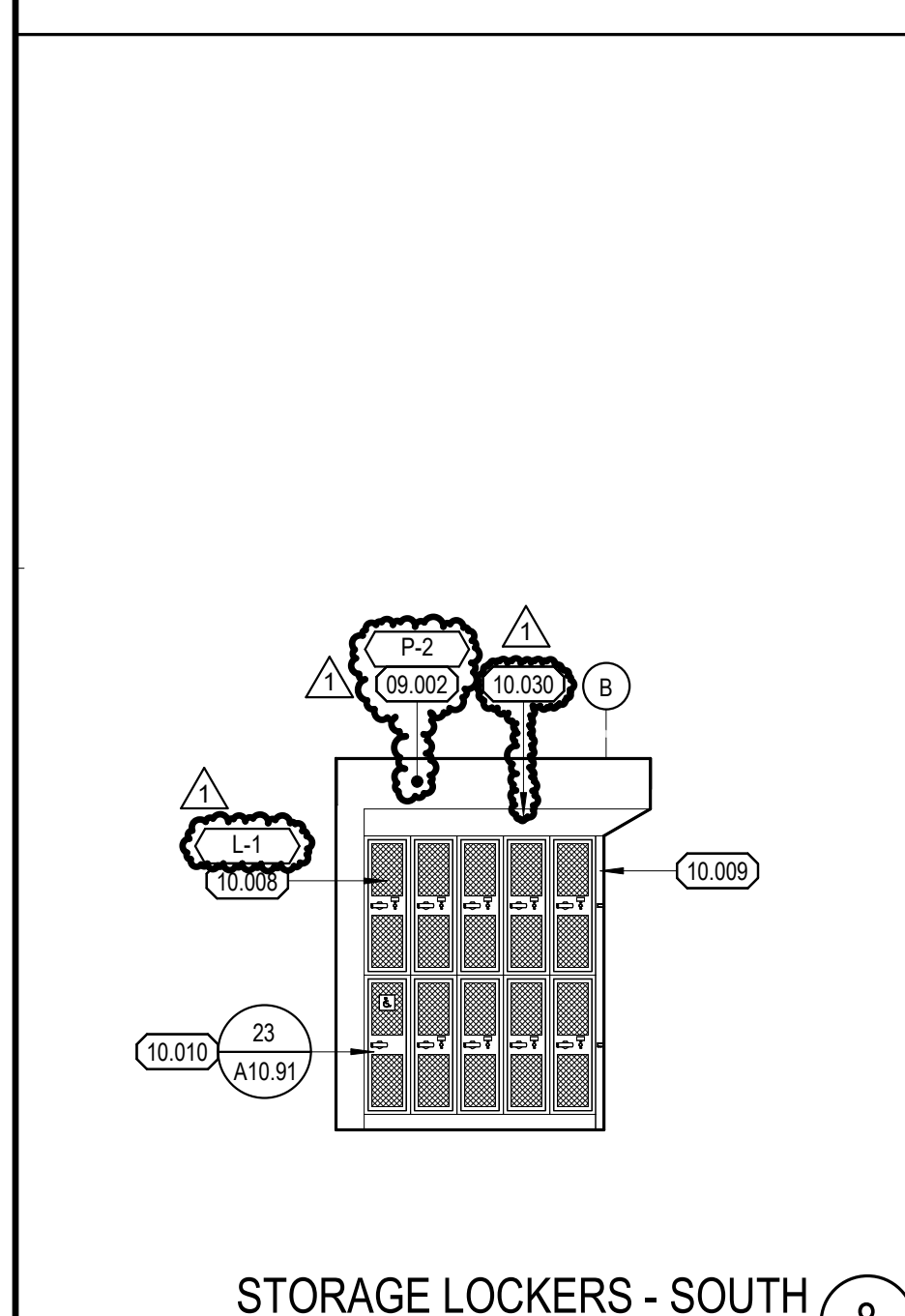
EMERGENCY EYE WASH - NORTH

1/4" = 1'-0" SCALE



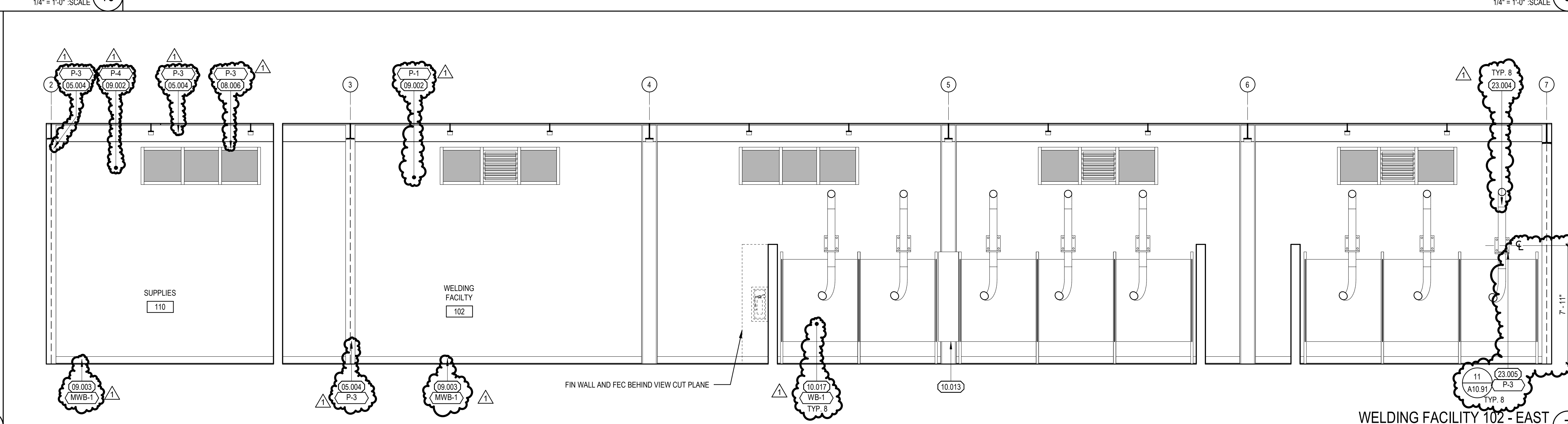
WELDING FACILITY 102 - WEST

1/4" = 1'-0" SCALE



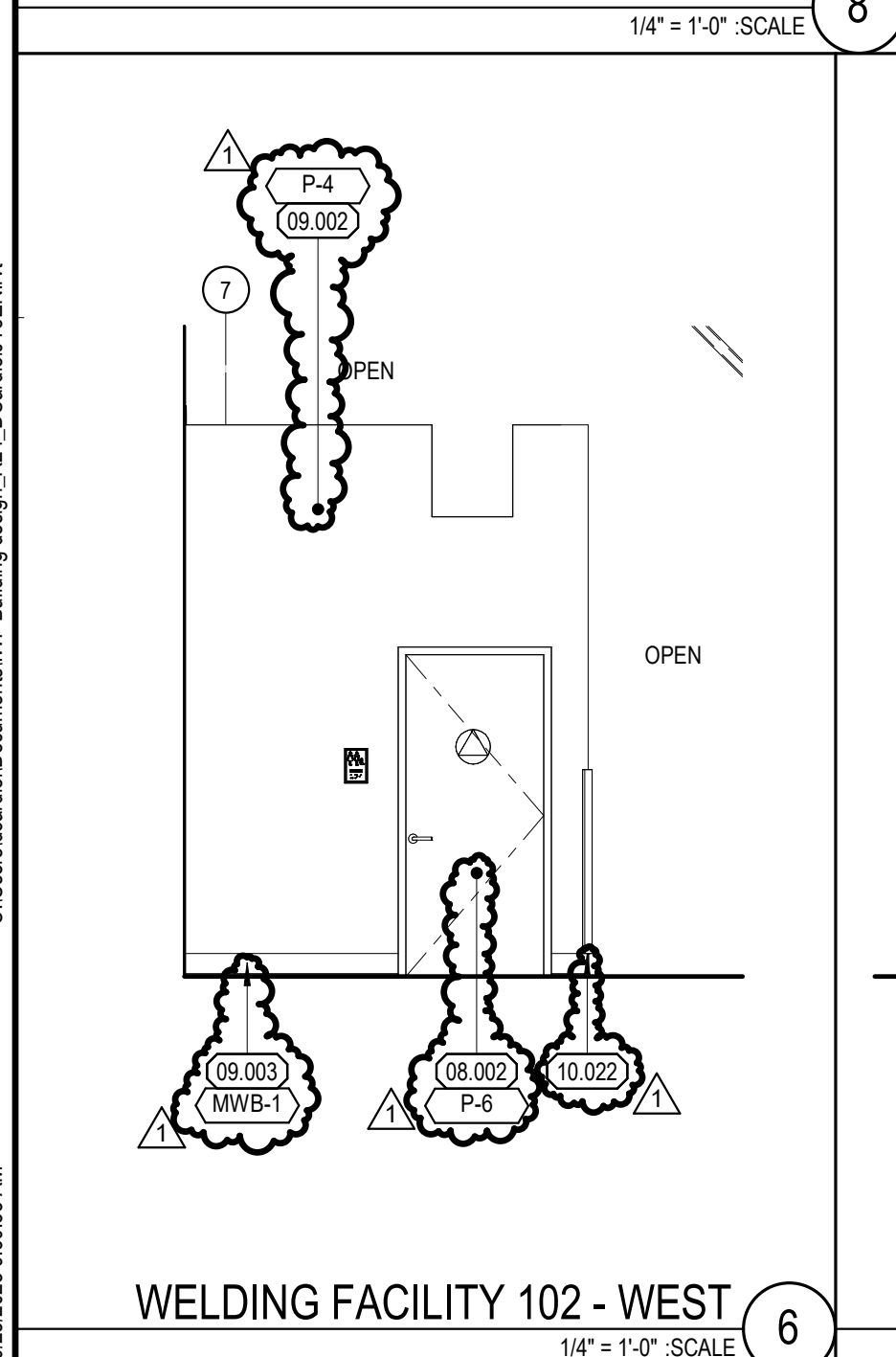
STORAGE LOCKERS - SOUTH

1/4" = 1'-0" SCALE



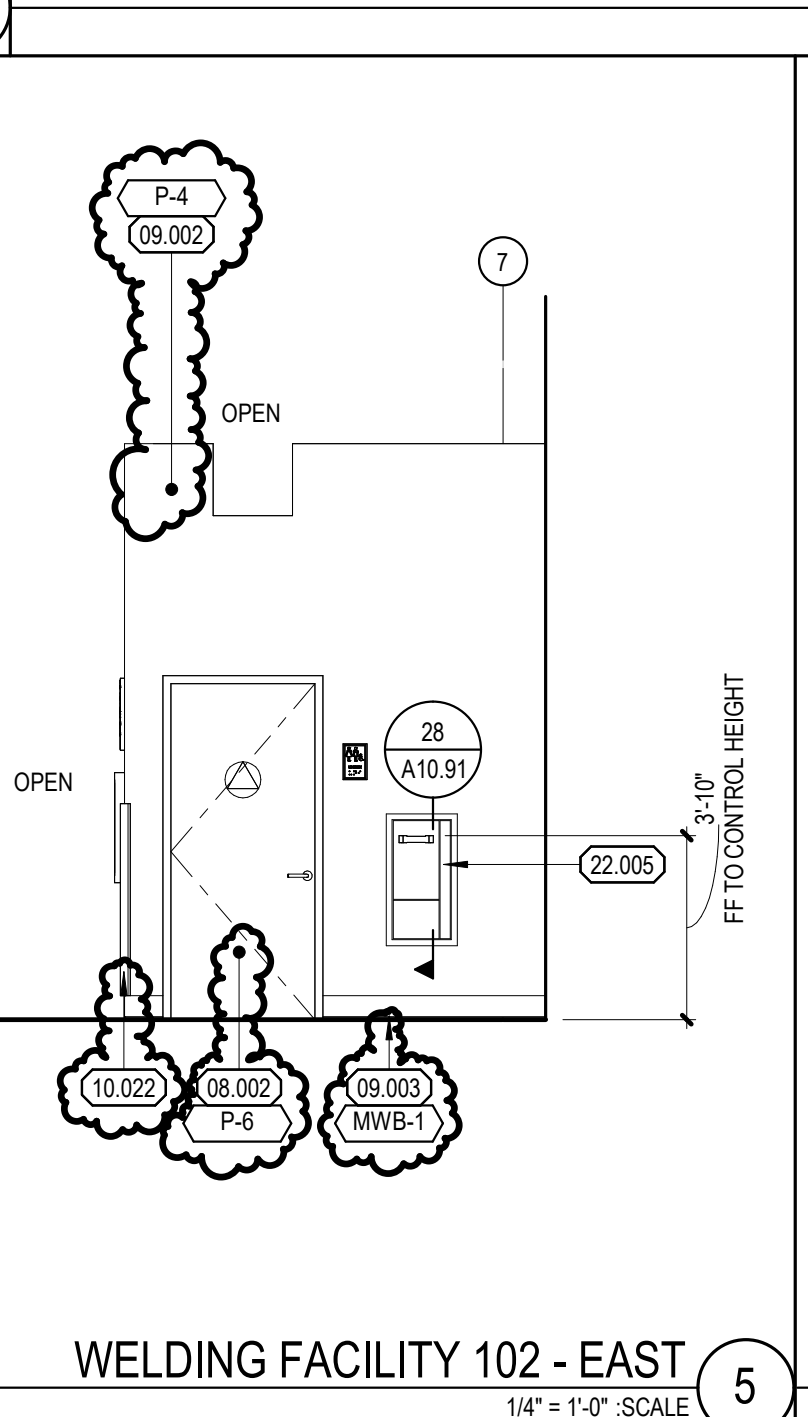
WELDING FACILITY 102 - EAST

1/4" = 1'-0" SCALE



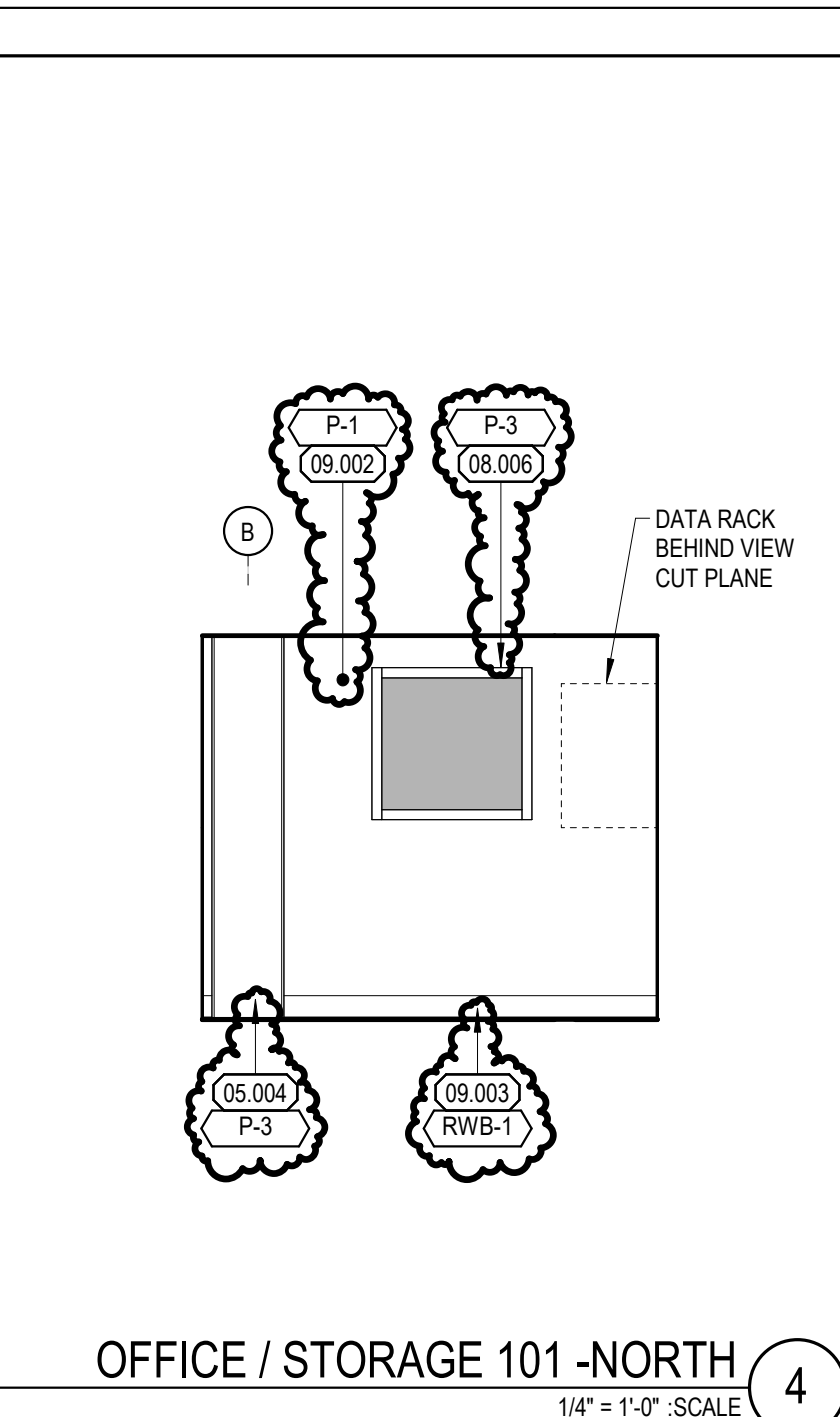
WELDING FACILITY 102 - WEST

1/4" = 1'-0" SCALE



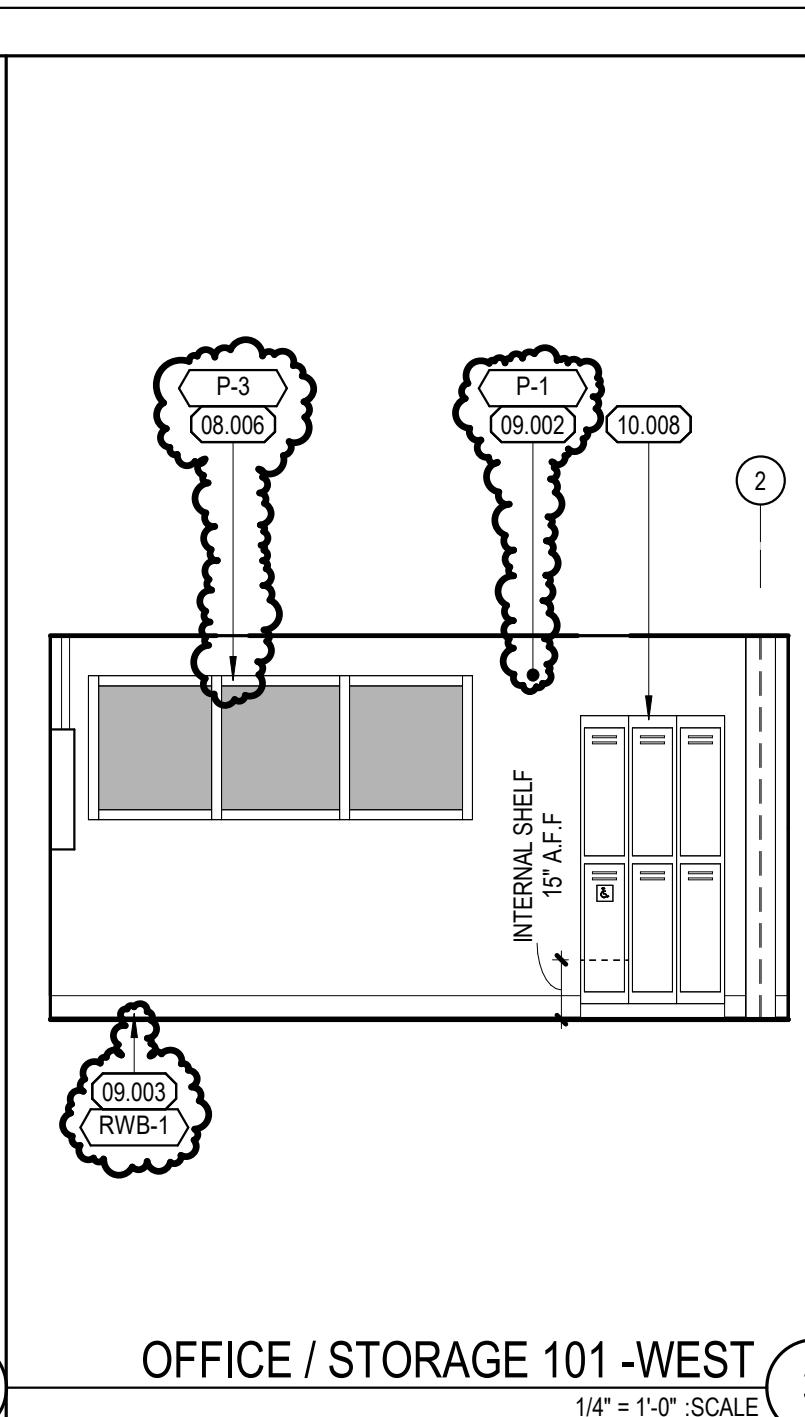
WELDING FACILITY 102 - EAST

1/4" = 1'-0" SCALE



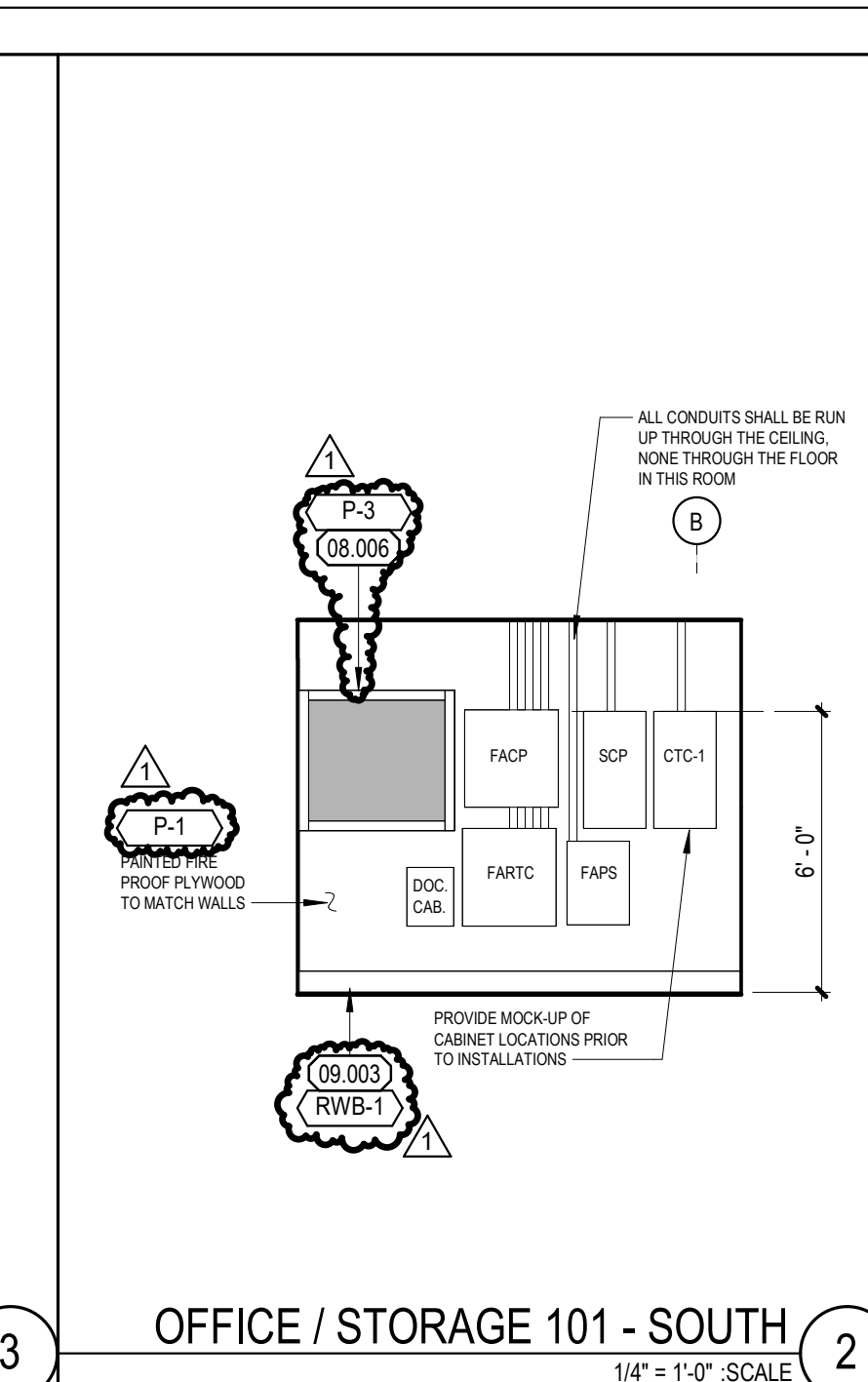
OFFICE / STORAGE 101 - NORTH

1/4" = 1'-0" SCALE



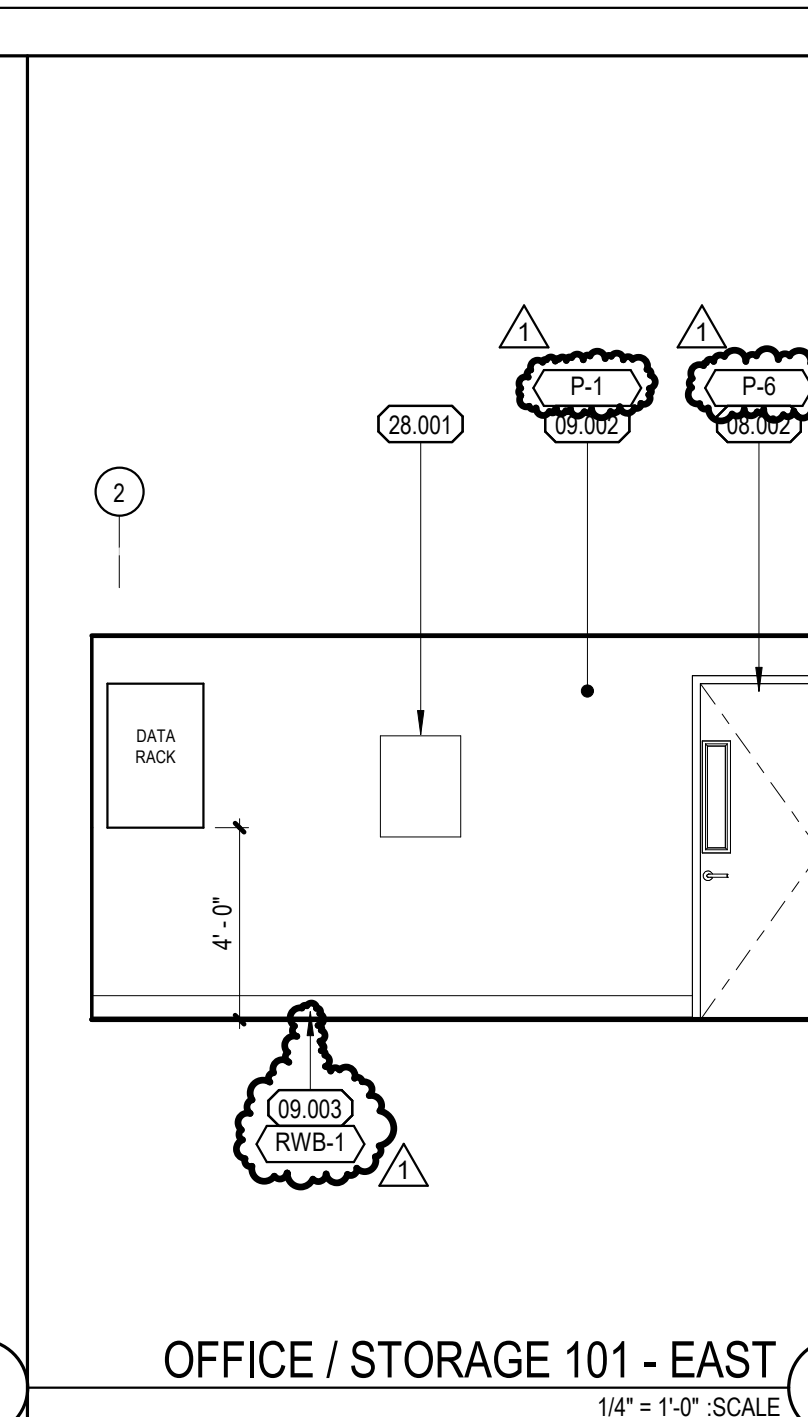
OFFICE / STORAGE 101 - WEST

1/4" = 1'-0" SCALE



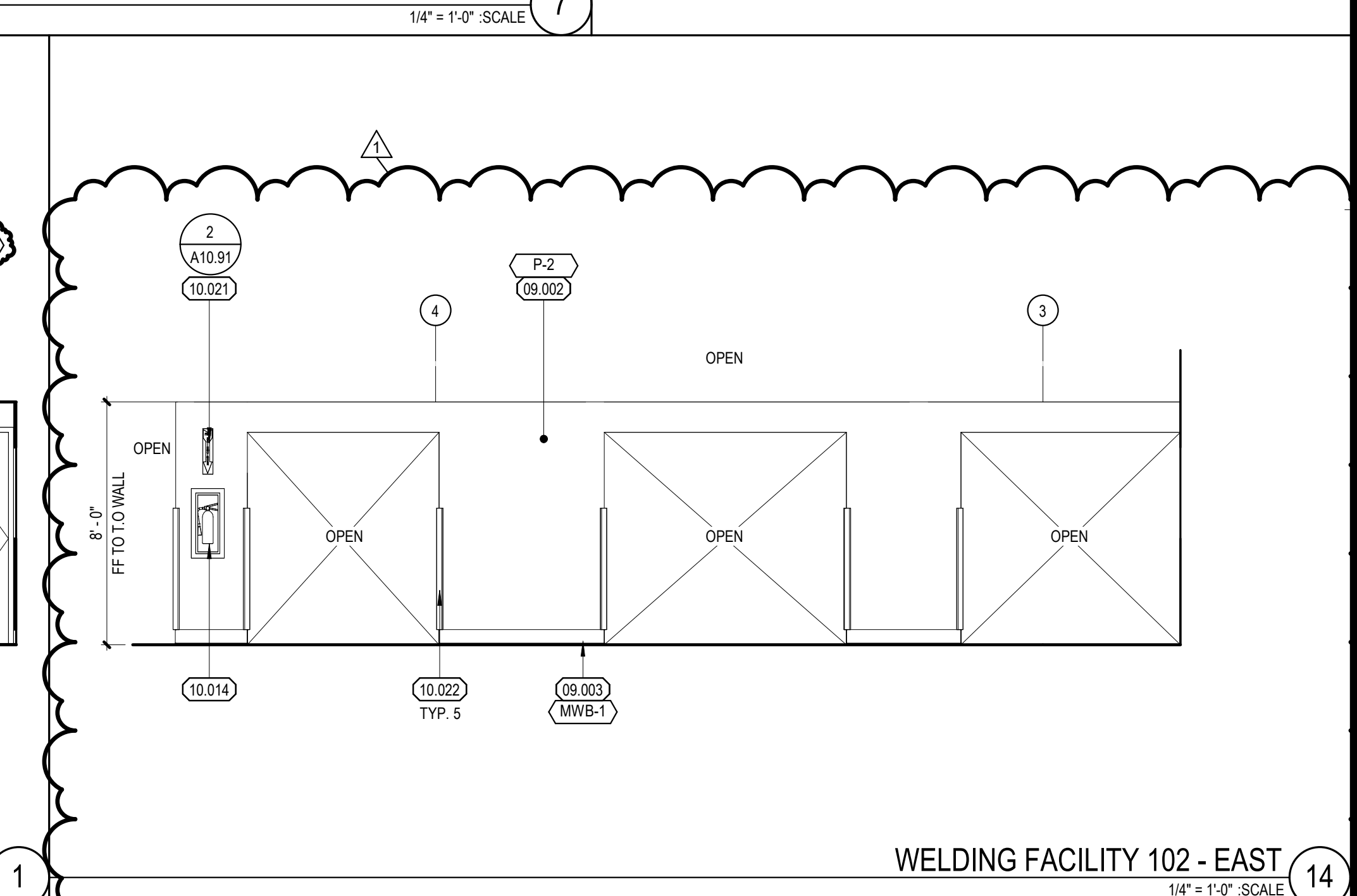
OFFICE / STORAGE 101 - SOUTH

1/4" = 1'-0" SCALE



OFFICE / STORAGE 101 - EAST

1/4" = 1'-0" SCALE



WELDING FACILITY 102 - EAST

1/4" = 1'-0" SCALE

INTERIOR ELEVATIONS

CHAFFEY COLLEGE

INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



PROJECT STATUS: 08/29/2025  
SHEET ISSUED: 08/29/2025  
DATE: 11/2/2025  
DESCRIPTION: ADDENDUM 1

A8.11



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1/23/2025 1:58:14 PM

CONSULTANT:

SCHEDULE - FINISHES

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS:



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PROJECT NUMBER: 23-46162-00

PROJECT STATUS:

SHEET ISSUED: 08/28/2025

DELTA: DATE

DESCRIPTION:

ADDENDUM 1



A9.31

## ROOM FINISH LEGEND

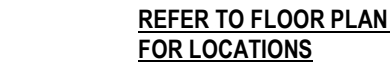
| ROOM FINISH SCHEDULE |                       |              |             |       |       |       |       |                  |                |                     |          |
|----------------------|-----------------------|--------------|-------------|-------|-------|-------|-------|------------------|----------------|---------------------|----------|
| ROOM NUMBER          | NAME                  | FLOOR FINISH | BASE FINISH | WALLS |       |       |       | CEILING MATERIAL | CEILING FINISH | ROOM CEILING HEIGHT | COMMENTS |
|                      |                       |              |             | NORTH | EAST  | SOUTH | WEST  |                  |                |                     |          |
| 101                  | OFFICE / STORAGE      | VC1-1        | RWB-1       | P-1   | P-1   | P-1   | P-1   | GWB-2            | P-1            | 8'-0"               |          |
| 102                  | WELDING FACILITY      | CF-3         | MWB-1       | *     | *     | *     | *     | N/A              | N/A            | N/A                 |          |
| 103                  | RESTROOM              | CF-3         | N/A         | P-1   | P-1   | P-1   | P-1   | GWB-1            | P-1            | 8'-0"               |          |
| 104                  | RESTROOM              | CF-3         | N/A         | P-1   | P-1   | P-1   | P-1   | GWB-1            | P-1            | 8'-0"               |          |
| 106                  | EXTERIOR TANK STORAGE | CF-2         | N/A         | CMU-2 | CMU-1 | CMU-2 | CMU-2 | N/A              | N/A            | N/A                 |          |
| 107                  | EXTERIOR SERVICE YARD | CF-2         | N/A         | CMU-2 | CMU-2 | CMU-1 | CMU-2 | N/A              | N/A            | N/A                 |          |
| 108                  | STORAGE               | CF-2         | N/A         | CMU-2 | CMU-2 | CMU-2 | CMU-2 | N/A              | N/A            | N/A                 |          |
| 109                  | STORAGE               | CF-2         | N/A         | CMU-2 | CMU-2 | CMU-2 | CMU-2 | N/A              | N/A            | N/A                 |          |
| 110                  | SUPPLIES              | CF-3         | MWB-1       | *     | *     | *     | *     | N/A              | N/A            | N/A                 |          |
| 111                  | STORAGE               | CF-2         | N/A         | CMU-2 | CMU-2 | CMU-2 | CMU-2 | N/A              | N/A            | N/A                 |          |

NOTE:  
SEE PLANS AND ELEVATIONS FOR MATERIAL FINISHES

## FINISH SPECIFICATION LEGEND

| CSI SPEC DIVISION                              | FINISH TAG | PRODUCT TYPE                   | TYPICAL USE / LOCATION                      | MANUFACTURER              | PRODUCT / STYLE NUMBER                          | COLOR / FINISH                                       | SIZE / PATTERN       | NOTES  |
|--|------------|--------------------------------|---|---------------------------|---|--|----------------------|--|
| DIVISION 03 - CONCRETE FINISHING               |            |                                |   |                           |   |  |                      |  |
| DIVISION 03 - CONCRETE FINISHING               | CF-1       | EXTERIOR CONCRETE FLOOR        | EXTERIOR CONCRETE FLOORING                  | ANGELUS                   | SPEC MIX PREBLENDED COLORS                      | NATURAL GRAY   |                      | FIELD CONCRETE   |
| DIVISION 03 - CONCRETE FINISHING               | CF-2       | EXTERIOR CONCRETE FLOOR        | EXTERIOR CONCRETE FLOORING                  | ANGELUS                   | SPEC MIX PREBLENDED COLORS                      | NATURAL GRAY   |                      | ADJACENT CONCRETE  |
| DIVISION 03 - CONCRETE FINISHING               | CF-3       | INTERIOR CONCRETE FLOOR        | INTERIOR FLOORING                           | SEE SPEC                  | SPEC MIX PREBLENDED COLORS                      | MATTE  |                      | INTERIOR SLAB  |
| DIVISION 04 - CONCRETE MASONRY UNIT            |            |                                |   |                           |   |  |                      |  |
| DIVISION 04 - CONCRETE MASONRY UNIT            | CMU-1      | CONCRETE MASONRY UNITS         | BUILDING EXTERIOR WALLS                     | ANGELUS BLOCKING CO. INC. | 1 SCORE PRECISION                               | SILVERSHOTBLAST                                      | 10X 8X16             |  |
| DIVISION 04 - CONCRETE MASONRY UNIT            | CMU-2      | CONCRETE MASONRY UNITS         | EXTERIOR SITE WALLS                         | ANGELUS BLOCKING CO. INC. | 2 SCORE PRECISION                               | SILVERSHOTBLAST                                      | 10X 8X16             |  |
| DIVISION 06 - CASEWORK                         |            |                                |   |                           |   |  |                      |  |
| DIVISION 06 - CASEWORK                         | PL-1       | PLASTIC LAMINATE               | STORAGE ROOM, CASEWORK                      | WILSONART                 | 0315-60   | PLATINUM MATTE FINISH                                |                      |  |
| DIVISION 06 - CASEWORK                         | PL-2       | PLASTIC LAMINATE               | FACULTY SPACE AND STORAGE ROOM, COUNTERTOPS | WILSONART                 | TRACELESS, TYPE 138                             | CHARCOAL VELVET 15504 / ULTRA MATTE FINISH           | 4'X10'               |  |
| DIVISION 06 - FIBERGLASS REINFORCED PANELING   |            |                                |   |                           |   |  |                      |  |
| DIVISION 06 - FIBERGLASS REINFORCED PANELING   | FRP-1      | FIBERGLASS REINFORCED PANELING | RESTROOM WALLS                              | MARLITE                   | STANDARD FRP                                    | STANDARD FRP, WHITE                                  | 4'X8'                |  |
| DIVISION 07 - THERMAL & MOISTURE PROECTION     |            |                                |   |                           |   |  |                      |  |
| DIVISION 07 - THERMAL & MOISTURE PROECTION     | CFR-1      | CFR STANDING SEAM ROOF SYSTEM  | ROOF  | METAL SALES               | MAGNA-LOC 180                                   | OLD ZINC GREY  |                      |  |
| DIVISION 07 - THERMAL & MOISTURE PROECTION     | MTL-1      | INSULATED METAL WALL PANELS    | FIELD INSULATED METAL PANELS                | METL SPAN                 | CF MESA   | SMOKE GRAY   |                      |  |
| DIVISION 07 - THERMAL & MOISTURE PROECTION     | MTL-2      | INSULATED METAL WALL PANELS    | ACCENT INSULATED METAL PANELS               | METL SPAN                 | CF MESA   | RUSTIC RED   |                      |  |
| DIVISION 09 - GYPSUM BOARD                     |            |                                |   |                           |   |  |                      |  |
| DIVISION 09 - GYPSUM BOARD                     | GWB-1      | GYPSUM WALL BOARD              | STANDARD GYPSUM BOARD                       | PER SPECIFICATION         | STANDARD GYPSUM BOARD                           | LEVEL 05 FINISH FOR PAINTING                         |                      |  |
| DIVISION 09 - GYPSUM BOARD                     | GWB-2      | GYPSUM WALL BOARD              | UTILITY AND GYPSUM BOARD                    | PER SPECIFICATION         | STORAGE ROOM GYPSUM BOARD                       | LEVEL 04 FINISH                                      |                      |  |
| DIVISION 09 - PAINTING                         |            |                                |   |                           |   |  |                      |  |
| DIVISION 09 - PAINTING                         | P-1        | PAINT TO GYB                   | GENERAL WALL PAINT                          | DUNN EDWARDS              | DEW379  | IGLOO  | N/A                  | INTERIOR FIELD PAINT COLOR   |
| DIVISION 09 - PAINTING                         | P-2        | PAINT TO GYB                   | ACCENT WALL PAINT COLOR                     | DUNN EDWARDS              | DEA149  | SPICED BERRY   | N/A                  | INTERIOR ACCENT PAINT COLOR  |
| DIVISION 09 - PAINTING                         | P-3        | PAINT TO METAL                 | METAL PAINT COLOR                           | DUNN EDWARDS              | DE6378  | JET  | N/A                  | STRUCTURAL BEAMS/COLUMNS/DOORFRAMES/WINDOW FRAMES/DOWN SPOUT                     |
| DIVISION 09 - PAINTING                         | P-4        | PAINT TO GYB                   | ACCENT WALL PAINT COLOR                     | DUNN EDWARDS              | DET612  | STIEGLITZ SILVER                                     | N/A                  | INTERIOR ACCENT PAINT COLOR  |
| DIVISION 09 - PAINTING                         | P-5        | PAINT TO METAL                 | METAL PAINT COLOR                           | DUNN EDWARDS              | DEA149  | SPICED BERRY   | N/A                  | CANOPY FASCIA/DECORATIVE METAL/EXTERIOR&INTERIOR METAL DOORS                     |
| DIVISION 09 - PAINTING                         | P-6        | PAINT TO METAL                 | METAL PAINT COLOR                           | DUNN EDWARDS              | DET612  | STIEGLITZ SILVER                                     | N/A                  | EXTERIOR ROOF FASCIA   |
| DIVISION 09 - TILE                             |            |                                |   |                           |   |  |                      |  |
| DIVISION 09 - TILE                             | T-1        | WALL TILE                      | EXTERIOR, WATER FOUNTAIN ACCENT WALL        | TILEBAR                   | PORTRIATE OCEAN BLUE                            | OCEAN - MATTE PORCELAIN TILE                         | 12" X 24"            |  |
| DIVISION 09 - FLOOR, WALL AND TILE TRANSITIONS |            |                                |   |                           |   |  |                      |  |
| DIVISION 09 - FLOOR, WALL AND TILE TRANSITIONS | TR-1       | TRANSITIONS                    | IVCT TO CONCRETE TRANSITION                 | ROPPE                     | #22 REDUCER STRIP 1/8"                          | 123 CHARCOAL   | 1/8" X 1" X 6'       |  |
| DIVISION 09 - RESILIENT FLOORING AND BASE      |            |                                |   |                           |   |  |                      |  |
| DIVISION 09 - RESILIENT FLOORING AND BASE      | MWB-1      | METAL WALL BASE                | WELDING SPACES                              | INPRO                     | SS304   | INO 4 BRUSHED 18 GA                                  | 4" HEIGHT, COVE BASE |  |
| DIVISION 09 - RESILIENT FLOORING AND BASE      | RWB-1      | RESILIENT WALL BASE            | FACULTY OFFICE                              | ROPPE                     | ARMSTRONG                                       | CHARCOAL   | 4" X 8"              |  |
| DIVISION 09 - RESILIENT FLOORING AND BASE      | IVCT-1     | VINYL COMPOSITE TILE           | FACULTY OFFICE                              | ARMSTRONG FLOORING        | STANDARD EXCELON                                | 51915 CHARCOAL                                       | 12"X12"              |  |
| DIVISION 10 - SPECIALTIES                      |            |                                |   |                           |   |  |                      |  |
| DIVISION 10 - SPECIALTIES                      | L-1        | LOCKER                         | LOCKER STORAGE                              | DE BOURGH                 | APEX ATHLETIC/SINGLE POINT RECESSED VENTILATION | URBAN DUSK / DOOR-BOND SHEARED MESH/SIDE VENTILATION | 12 X 12              | DOOR HEIGHTS 36"   |
| DIVISION 10 - SPECIALTIES                      | WB-1       | WELDING BOOTHS                 | FUME EXTRACTION/CURTAINS/TABLES             | LINCOLN ELECTRIC          | DUCT-FREE DESIGN                                | BLACK  | 5 X 6'               | BASES OF DESIGN-STANDARD RED CURTAINS -WELD TABLE W/ADJUSTABLE PLATFORM 47" WIDE |

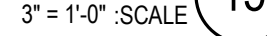




### CORNER GUARDS



COILING DOOR HEAD 20  
1 1/2" = 1'-0" :SCALE



HM WINDOW MULLION 15  
3" = 1'-0" :SCALE



HM DR/WINDOW MULLION 3" = 1'-0" :SCALE 10



EXT. HOLLOW METAL DOOR HEAD



COILING DOOR JAMB 19  
3" = 1'-0" SCALE



LOUVERS IN HOLLOW METAL FRAME -HEAD 14  
3" = 1'-0" SCALE



EXT. DOOR THRESHOLD 3" = 1'-0" SCALE 9



EXT. HOLLOW METAL DOOR JAMB



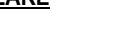
HM - GLAZED JAMB AT CMU 3" = 1'-0" SCALE 18



LOUVERS IN HOLLOW METAL MULLION 13  
3" = 1'-0" :SCALE



EXT. HM DOOR JAMB AT CMU

HM - GLAZED HEAD 3  
2" - 1' 0" SCALE

INT. HM. WINDOW HD/JMB/SILL 17

LOUVERS IN HOLLOW METAL FRAME - SILL 12



INT. HM. MS DR HEAD/JAMB 7

HM - GLAZED JAMB 2



INT. THRESHOLD AT OFFICE,

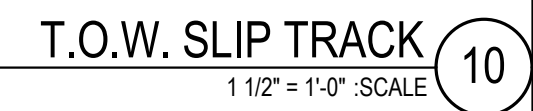
HM - GLAZED SILL AT CMU 16

HM WINDOW AT GRADE 11

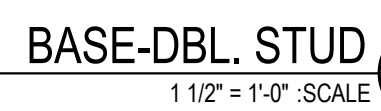
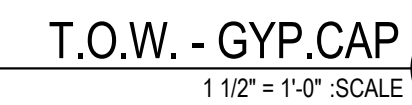
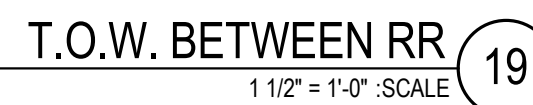
INT. / EXT. DOOR THRESHOLD 6

HM - GLAZED SILL 1





- NOTE:** CURB IS NOT REQUIRED AT RESTROOM LOCATIONS. FOLLOW METAL STUD WALL WITH GYP. BRD. AND FRP FROM DETAIL 181 FOR RESTROOM LOCATIONS



BASE:  
SEE DETAIL 18/

HEAD:  
SEE DETAIL 19/



BASE:  
SEE DETAIL 13/-

HEAD:  
SEE DETAIL 14/-



BASE:  
SEE DETAILS 8/- FOR PARTITION WALLS AND  
23/- FOR RESTROOMS WALLS

HEAD:  
SEE DETAILS 9, 10, 15, 20/- FOR TYPES. SEE  
REFLECTED CEILING PLAN AND SECTIONS FOR  
LOCATIONS.



SAMPLE TAG

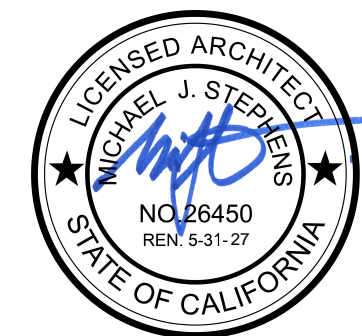


NOTES:  
THERE ARE NO VARIATIONS TO THIS WALL TYPE.



CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



PROJECT NUMBER: 23-46102-00  
PROJECT STATUS:  
SHEET ISSUED: 08/28/2025  
DELTA: DATE: DESCRIPTION  
11/12/2025 ADDENDUM 1

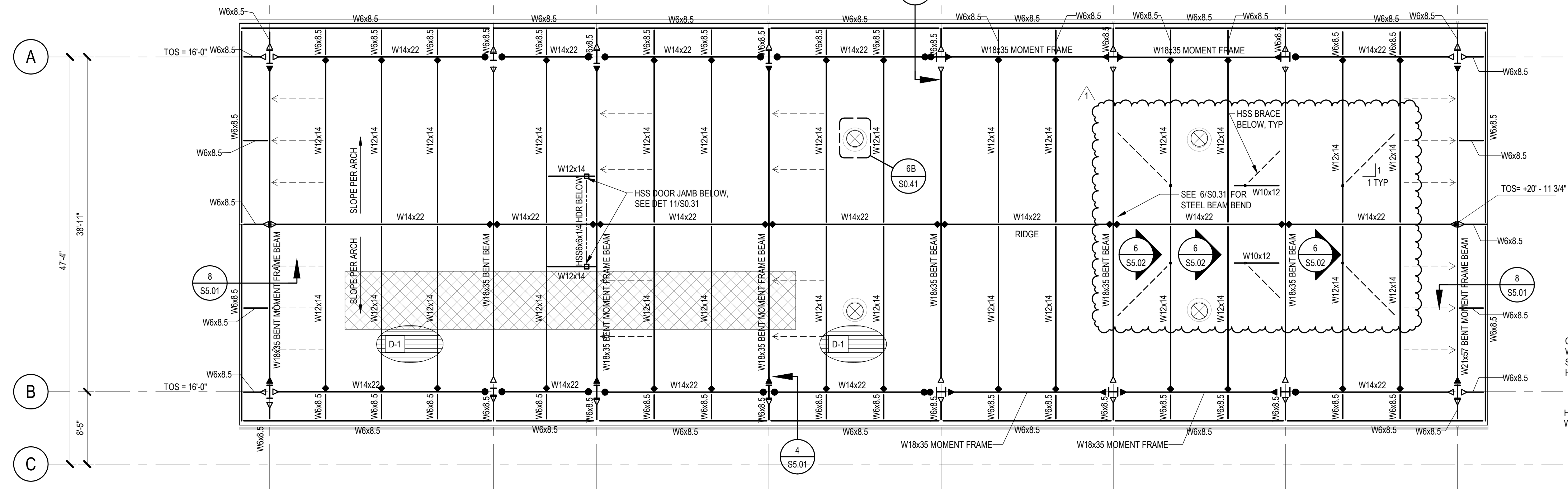
WALL TYPES 1  
1 1/2" = 1'-0" :SCALE

## A10.51

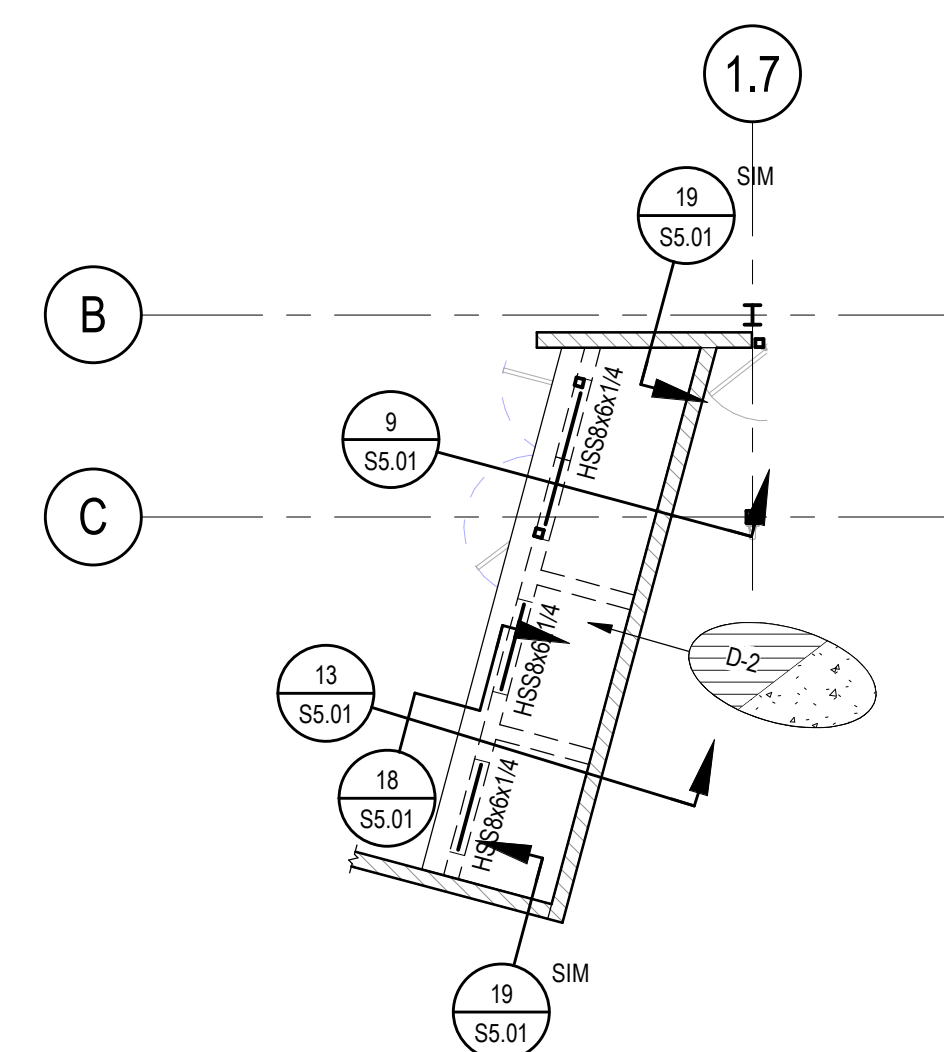




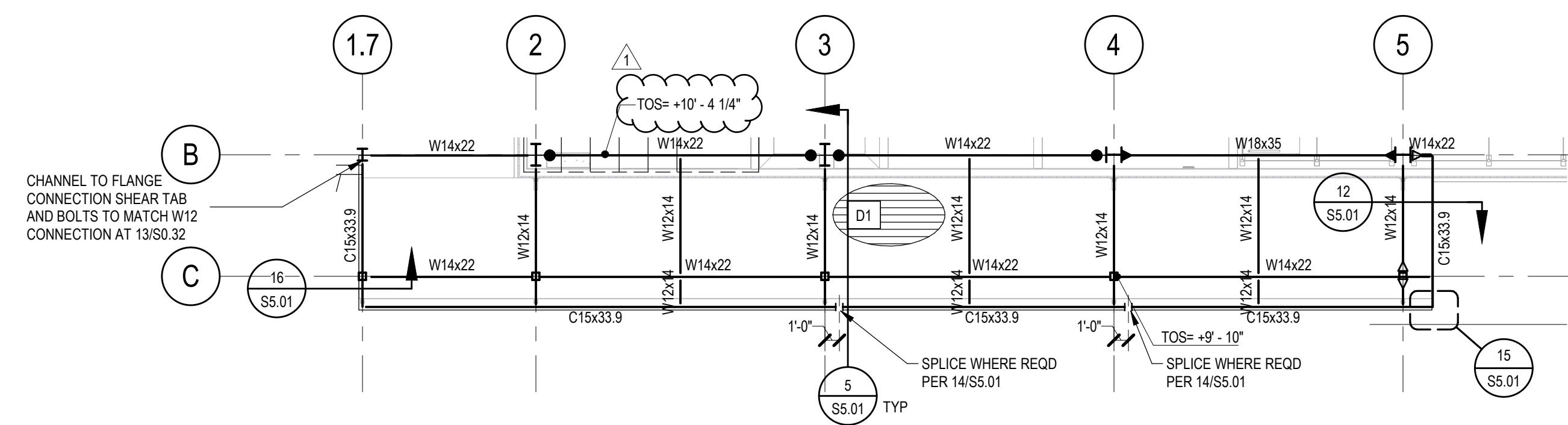




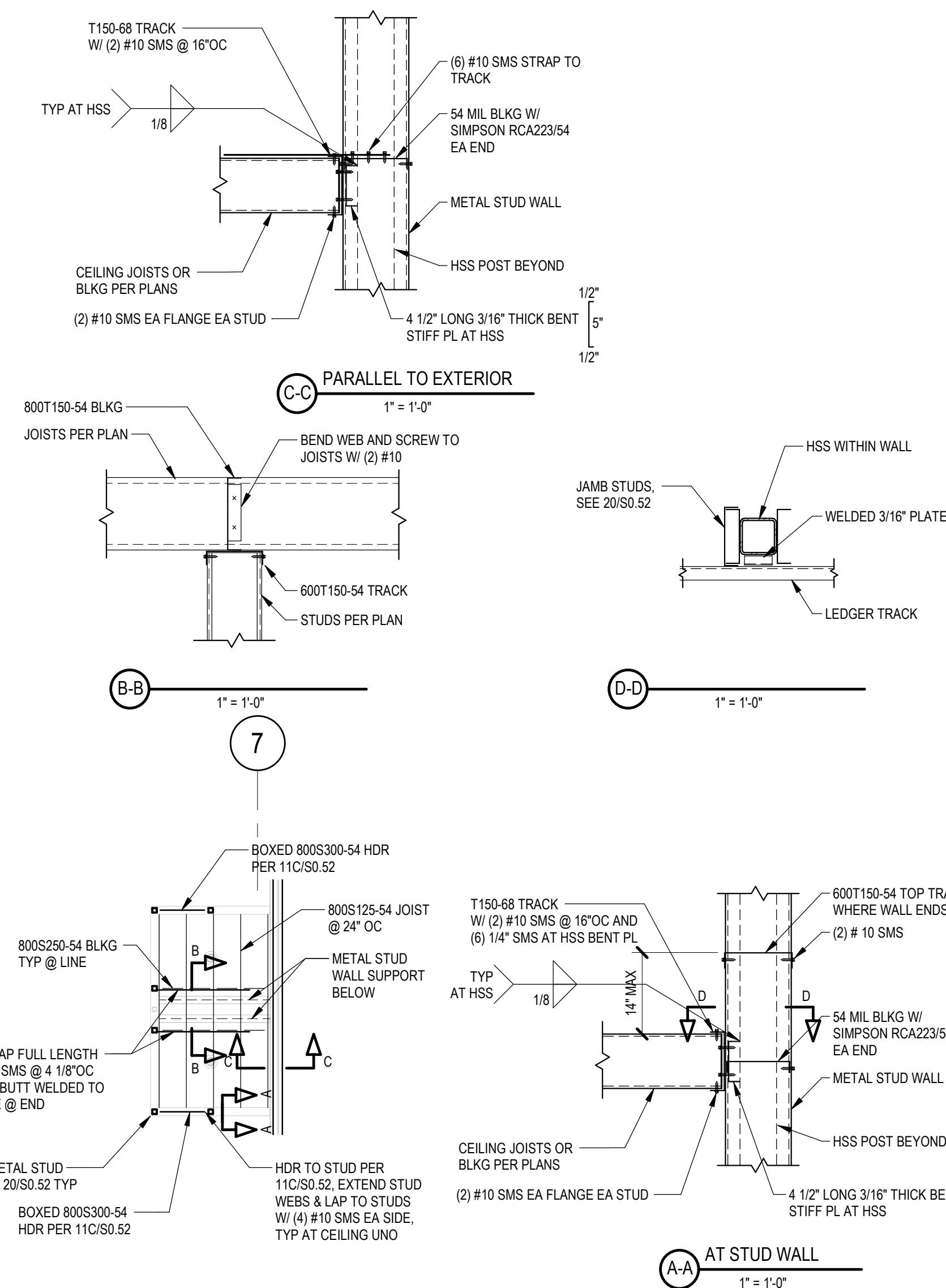
1 ROOF - FRAMING PLAN  
1/8" = 1'-0"



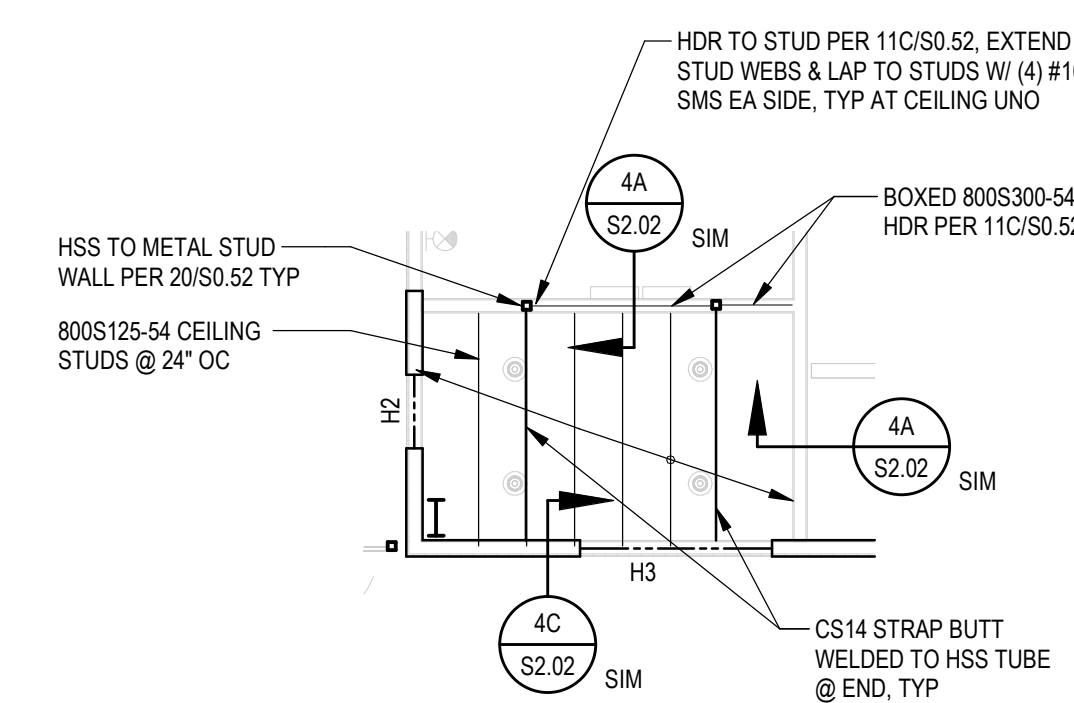
2 STORAGE ROOM ROOF PLAN  
1/8" = 1'-0"



3 CANOPY FRAMING PARTIAL PLAN  
1/8" = 1'-0"









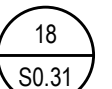

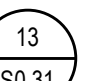


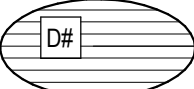


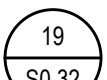
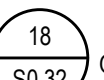
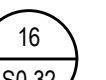
4 RESTROOM CEILING PARTIAL PLAN  
1/8" = 1'-0"



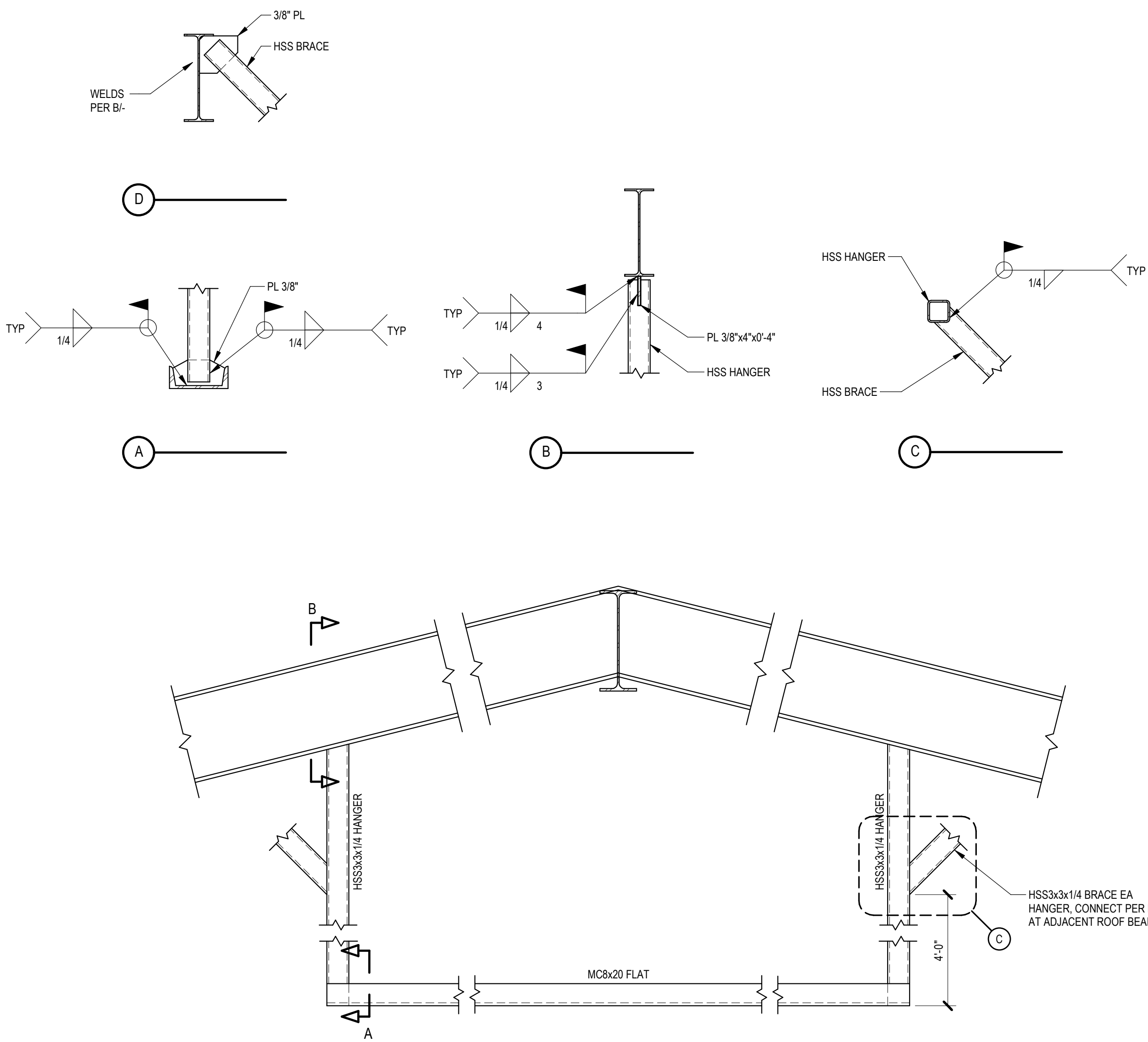
5 INTERIOR OFFICE/STORAGE CEILING PARTIAL PLAN  
1/8" = 1'-0"

- NOTES:
1. SEE PLANS FOR TOP OF STEEL FRAMING ELEVATION, WHERE TOP OF STEEL NOT SHOWN SEE ARCHITECTURAL FOR FINISH FLOOR ELEVATION.
  2. SEE ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL FOR LOCATION OF EQUIPMENT. CONTRACTOR TO VERIFY ALL UNIT LOCATIONS, SIZES AND OPENINGS.
  3. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS/GIRDERS UNLESS NOTED OTHERWISE.
  4. SEE ARCHITECTURAL FOR SLOPING AND ELEVATION OF SLABS, DEPRESSIONS, OPENINGS, RAMPS, ETC.
  5. SEE SCHEDULE SHEET 7/50.53 FOR HEADER LABEL DEFINITIONS (H1, H2, H3)

LEGEND:

- |   |  |
|---|--|
|  | INDICATES WF COL   |
|  | INDICATES HSS COL  |
|  | INDICATES DEVIATION FROM TYPICAL T.O.S. ELEVATION  |
|  | INDICATES MOMENT CONNECTION PER   |
|  | INDICATES BEAM STIFFENER PLATES WITH SLIP CRITICAL (SC) BOLTS PER   |
|  | INDICATES BOTTOM FLANGE BRACING PER   |
|  | INDICATES BEAM CONNECTION WITH (1) ROW OF SLIP CRITICAL (SC) BOLTS   |
|  | INDICATES BEAM CONNECTION WITH (2) ROWS OF SLIP CRITICAL (SC) BOLTS PER S0.32  |
|  | INDICATES SPAN DIRECTION AND TYPE OF METAL DECK PER SCHEDULE S0.41   |
|  | INDICATES SOLAR-READY ROOF AREA, SEE DESIGN CRITERIA S0.01 FOR LOADING INFORMATION   |
|  | INDICATES MOMENT FRAME COLUMN TO BEAM CONNECTION PER  OR  OR  |





6  
1" = 1'-0"

DETAIL



PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: DSA SUBMITTAL  
SHEET ISSUED: 04/07/2025  
DATE: 07/25/2025 10PM Q3 SET  
DESCRIPTION: 17-RECEIVED AUGUST 11

S5.02

DSA SUBMITTAL

DETAILS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY







9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT:

miyamoto.

1047 West Sixth Street, Suite A T. (833) 270-8848  
Ontario, CA 91762  
miyamotointernational.com  
MI2228096\_00\_R24






























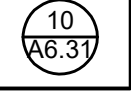
| MULTI-SPLIT SYSTEM SCHEDULE   |                   |                    |         |      |         |      |            |   |                  |   |                   |     |   |            |   |                  |  |   |
|---|-------------------|--------------------|---------|------|---------|------|------------|---|------------------|---|-------------------|-----|---|------------|---|------------------|--|---|
| SYM.  | MFR./MODEL        | AREA SERVED        | COOLING |      | HEATING |      | ELECTRICAL |   | OPER. WT. (LBS.) | SYM.  | MFR./MODEL        | CFM | OSA CFM   | ELECTRICAL |   | OPER. WT. (LBS.) | REMARKS  | ANCHOR DETAIL REF.  |
|   |                   |                    | MBH     | SEER | MBH     | HSPF | MCA        | VOLTAGE/PHASE   |                  |   |                   |     |   | MCA        | VOLTAGE/PHASE   |                  |  |   |
|  | CARRIER RAV-BP121 | OFFICE/STORAGE 101 | 12      | 26   | 14      | 12   | 14         |  | 85               |  | CARRIER RAV-HB121 | 480 |  | -          |  | 50               | INDOOR UNIT SHALL BE POWERED BY OUTDOOR UNIT WITH UNIT POWERED CONDENSATE PUMP. WALL MOUNTED THERMOSTAT. 24V INTERFACE KIT. PROVIDE WALL CAP FOR OSA HOOD. |  |

| DUST COLLECTOR UNIT SCHEDULE         |             |             |     |                   |        |            |      |               |                 |   |
|--------------------------------------|-------------|-------------|-----|-------------------|--------|------------|------|---------------|-----------------|---|
| SYMBOL                               | MFR./MODEL  | AREA SERVED | CFM | ESP (INCHES W.G.) | FAN HP | ELECTRICAL |      |               | OPER WT. (LBS.) | REMARKS   |
|                                      |             |             |     |                   |        | MCA        | MOCP | VOLTAGE/PHASE |                 |   |
| <div><div>DC</div><div>1</div></div> | LAGUNA U-15 | WELDING 102 | 500 | 2.95              | 1.5    | 10.7       | -    | 120<br>1      | 165             | START/STOP BUTTON. PROVIDE W/ DUCT COLLECTOR & MACHINERY INTERLOCK SWITCH. NON-PORABLE. |

| AIR DISTRIBUTION SCHEDULE |     |                  |         |           |              |   |
|---------------------------|-----|------------------|---------|-----------|--------------|---|
| SYM.                      | CFM | MAX. P.D. INCHES | MAX. WC | NECK SIZE | MFR./MODEL   | REMARKS                                     |
| SDGER-1                   | 675 | 0.10             | 30      | 18"x10"   | PRICE #SDGER | SPIRAL DUCT EXHAUST GRILLE, ALUMINUM FINISH |

NOTE: • CEILING DIFFUSER THROWS SHALL BE 4-WAY UNLESS OTHERWISE NOTED.  
• PROVIDE REMOTE MOTOR OPERATED DAMPER AT HARD CEILINGS  
• ALL AIR DISTRIBUTION DEVICES TO HAVE CONCEALED MOUNTING OPTION.  
• FOR 1, 2, OR 3-WAY PATTERN, INSTALL QUADRANT BLANKS.  
• PROVIDE FILLER PANEL FOR AIR DISTRIBUTION INSTALLED IN LAY-IN CEILINGS.

| UNIT HEATER SCHEDULE  |               |              |      |     |      |            |         |          |      |               |   |   |
|---|---------------|--------------|------|-----|------|------------|---------|----------|------|---------------|---|---|
| SYM   | MFR/MODEL     | AREA SERVED  | CFM  | ESP | HP   | ELECTRICAL |         | CAPACITY |      | OPER. WT. LBS | REMARKS   | ANCHOR DETAIL REF.  |
|   |               |              |      |     |      | MCA        | VOLT    | KW       | MBH  |               |   |   |
|  | REZNOR EUH-7  | SHOP AREA    | 740  | 0.1 | 0.07 | 9.2        | 480 / 3 | 7        | 23.9 | 55            | COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT. |  |
|  | REZNOR EUH-7  | SHOP AREA    | 740  | 0.1 | 0.07 | 9.2        | 480 / 3 | 7        | 23.9 | 55            | COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT. |  |
|  | REZNOR EUH-7  | SHOP AREA    | 740  | 0.1 | 0.07 | 9.2        | 480 / 3 | 7        | 23.9 | 55            | COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT. |  |
|  | REZNOR EUH-7  | SHOP AREA    | 740  | 0.1 | 0.07 | 9.2        | 480 / 3 | 7        | 23.9 | 55            | COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT. |  |
|  | REZNOR EUH-20 | WELDING AREA | 1290 | 0.1 | 0.17 | 24.1       | 480 / 3 | 20       | 68.2 | 95            | COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT. |  |
|  | REZNOR EUH-20 | WELDING AREA | 1290 | 0.1 | 0.17 | 24.1       | 480 / 3 | 20       | 68.2 | 95            | COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT. |  |
|  | REZNOR EUH-20 | WELDING AREA | 1290 | 0.1 | 0.17 | 24.1       | 480 / 3 | 20       | 68.2 | 95            | COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT. |  |
|  | REZNOR EUH-20 | WELDING AREA | 1290 | 0.1 | 0.17 | 24.1       | 480 / 3 | 20       | 68.2 | 95            | COMPLETE WITH PROGRAMMABLE THERMOSTAT AND MOUNTING KIT. |  |

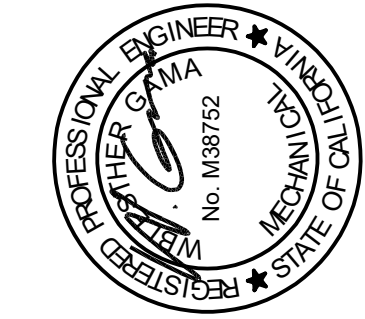
| EXHAUST FAN SCHEDULE  |                     |                 |      |                   |      |       |            |     |               |                  |  |         |                            |   |
|---|---------------------|-----------------|------|-------------------|------|-------|------------|-----|---------------|------------------|--|---------|----------------------------|---|
| SYM.  | MFR./MODEL          | TYPE            | CFM  | (ESP) INCHES W.G. | RPM  | SONES | ELECTRICAL |     |               | OPER. WT. (LBS.) | REMARKS  | SERVICE | BUILDING LOCATION          | DETAILS   |
|   |                     |                 |      |                   |      |       | WATT       | HP  | VOLTAGE/PHASE |                  |  |         |                            |   |
|  | GREENHECK SP-A90    | CEILING MOUNTED | 80   | 0.187             | 900  | 0.3   | 16         | -   | 115 / 1       | 12               | COMPLETE WITH WALL CAP, BACK DRAFT DAMPER & BIRD SCREEN. INTERLOCK W/ LIGHT SWITCH.            | 103 -   | RESTROOM BUILDING          |   |
|  | GREENHECK SP-A90    | CEILING MOUNTED | 80   | 0.187             | 900  | 0.3   | 16         | -   | 115 / 1       | 12               | COMPLETE WITH WALL CAP, BACK DRAFT DAMPER & BIRD SCREEN. INTERLOCK W/ LIGHT SWITCH.            | 104 -   | RESTROOM BUILDING          |   |
|  | GREENHECK BSO-160HP | INLINE          | 2000 | 1.5               | 1725 | 14.4  | -          | 1.5 | 460 / 3       | 180              | COMPLETE WITH VFD, HANGER KIT & BACKDRAFT DAMPER. INTERLOCK W/ SWITCH.                         | 102 -   | SHOP AREA (WELDING TABLES) |  |
|  | GREENHECK BSO-180HP | INLINE          | 3200 | 2                 | 1725 | 18.3  | -          | 3   | 460 / 3       | 230              | COMPLETE WITH VFD, HANGER KIT & BACKDRAFT DAMPER. INTERLOCK W/ SWITCH.                         | 102 -   | SHOP AREA (WELDING BOOTHS) |  |
|  | GREENHECK BSO-180HP | INLINE          | 3200 | 2                 | 1725 | 18.3  | -          | 3   | 460 / 3       | 230              | COMPLETE WITH VFD, HANGER KIT & BACKDRAFT DAMPER. INTERLOCK W/ SWITCH.                         | 102 -   | SHOP AREA (WELDING BOOTHS) |  |
|  | GREENHECK BSO-160HP | INLINE          | 3000 | 0.5               | 1725 | 13.4  | -          | 1   | 460 / 3       | 175              | COMPLETE WITH HANGER KIT & BACKDRAFT DAMPER. INTERLOCK W/ SWITCH.                              | 102 -   | SHOP AREA                  |  |
|  | MARC ISFX 160       | INLINE          | 100  | 1.0               | 900  | 5.5   | 129        | -   | 120 / 1       | 20               | COMPLETE SPARK & CONSTRUCTION & EXPLOSION PROOF MOTOR. INTERLOCK WITH LINE VOLTAGE THERMOSTAT. | 109 -   | SERVICE YARD               |  |

| DESIGN CONDITIONS |                  |               |               |                   |               |               |
|-------------------|------------------|---------------|---------------|-------------------|---------------|---------------|
| LOCATION          | ELEVATION (FEET) | INDOOR        |               |                   | OUTDOOR       |               |
|                   |                  | HEATING DB °F | COOLING DB °F | RELATIVE HUMIDITY | HEATING DB °F | COOLING DB °F |
| FONTANA, CA       | 1090             | 70            | 75            | 50%               | 38            | 101           |

MECHANICAL SCHEDULES AND DETAILS

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



PROJECT NUMBER: 24-102-00  
PROJECT STATUS: **ISSUED**  
SHEET ISSUED: 08/25/2025  
DATE: 11/12/2025  
DESCRIPTION: ADDENDUM 1

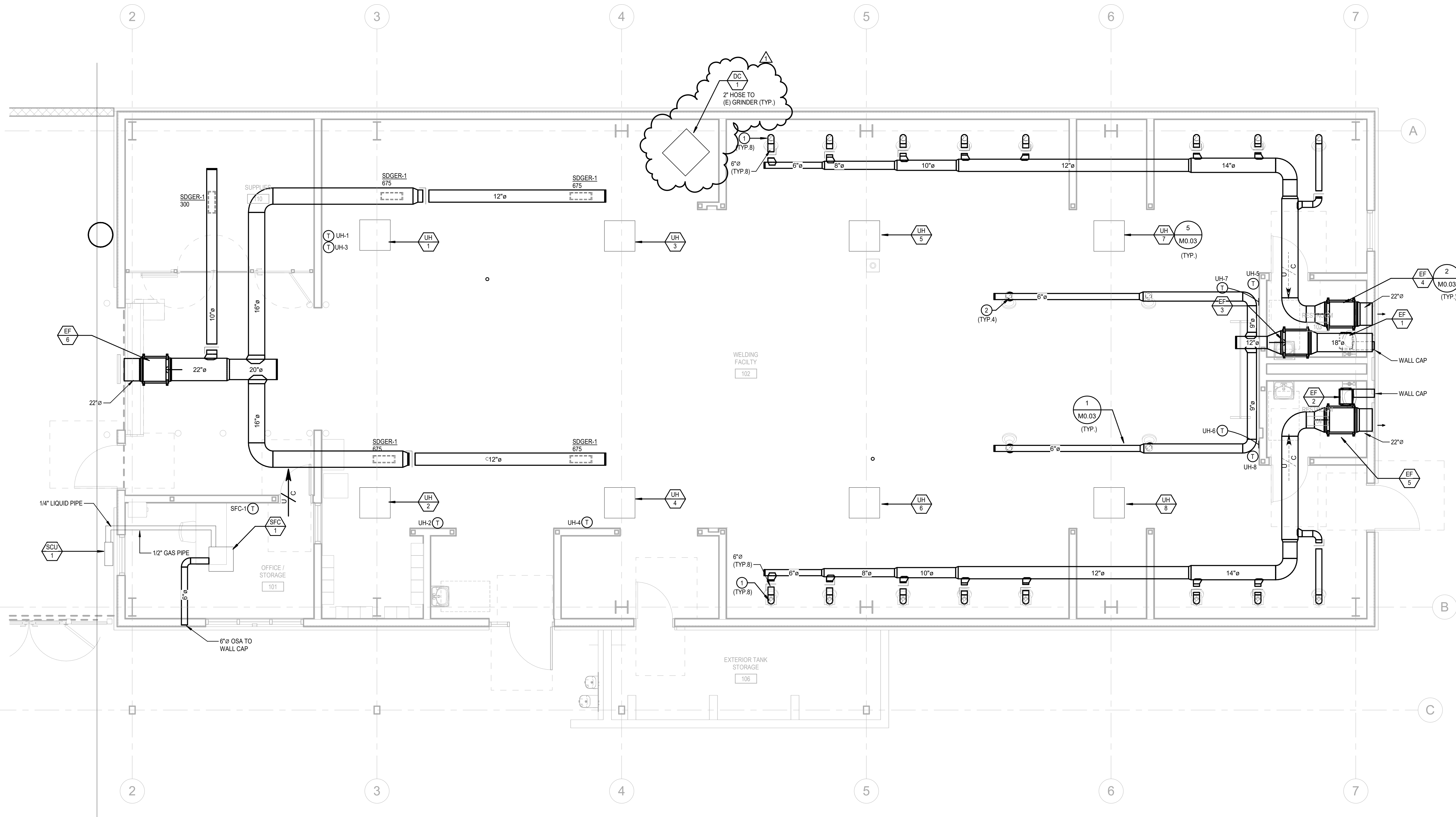
M0.02

100% CD



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C:\Users\Charles\Desktop\2023 Revit Local File\Chaffey College Intech Welding Facility #20230101WF Building design MEP24\_Central and adjacent



MECHANICAL PLAN  
14" = 1'-0" SCALE

SHEET NOTES

1. COMPLETE WITH 6" NEDERMAN TELESCOPIC ARM AT 400 CFM, SEE M0.03
2. COMPLETE WITH 6" NEDERMAN TELESCOPIC ARM AT 500 CFM, SEE M0.03

PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/29/2025  
DATE: 11/12/2025  
DESCRIPTION: ADD 1

sgn  
ARCHITECTS



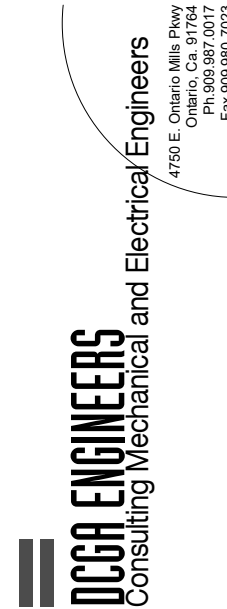
SEALS:

MECHANICAL PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

CONSULTANT:

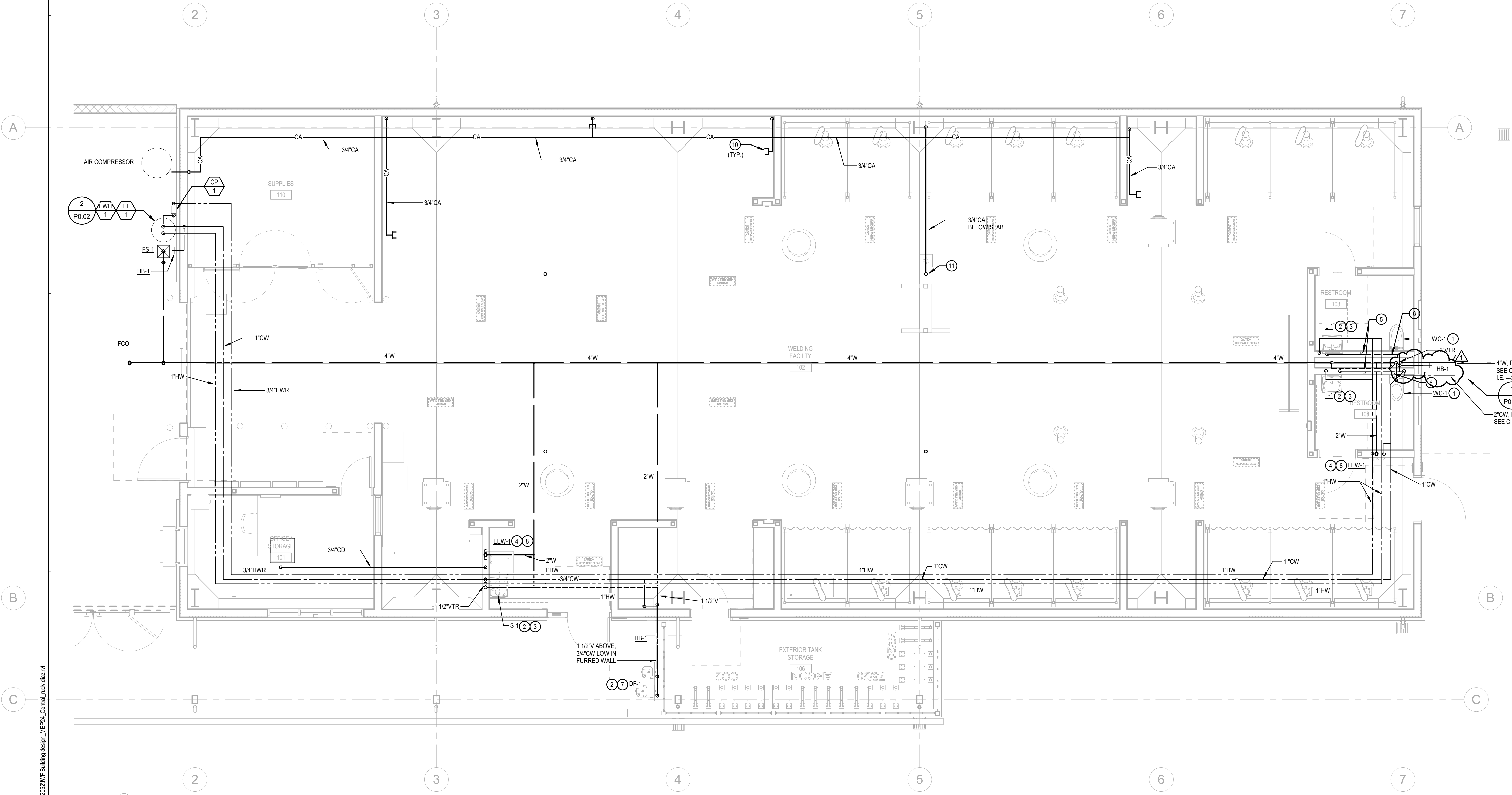


M2.21

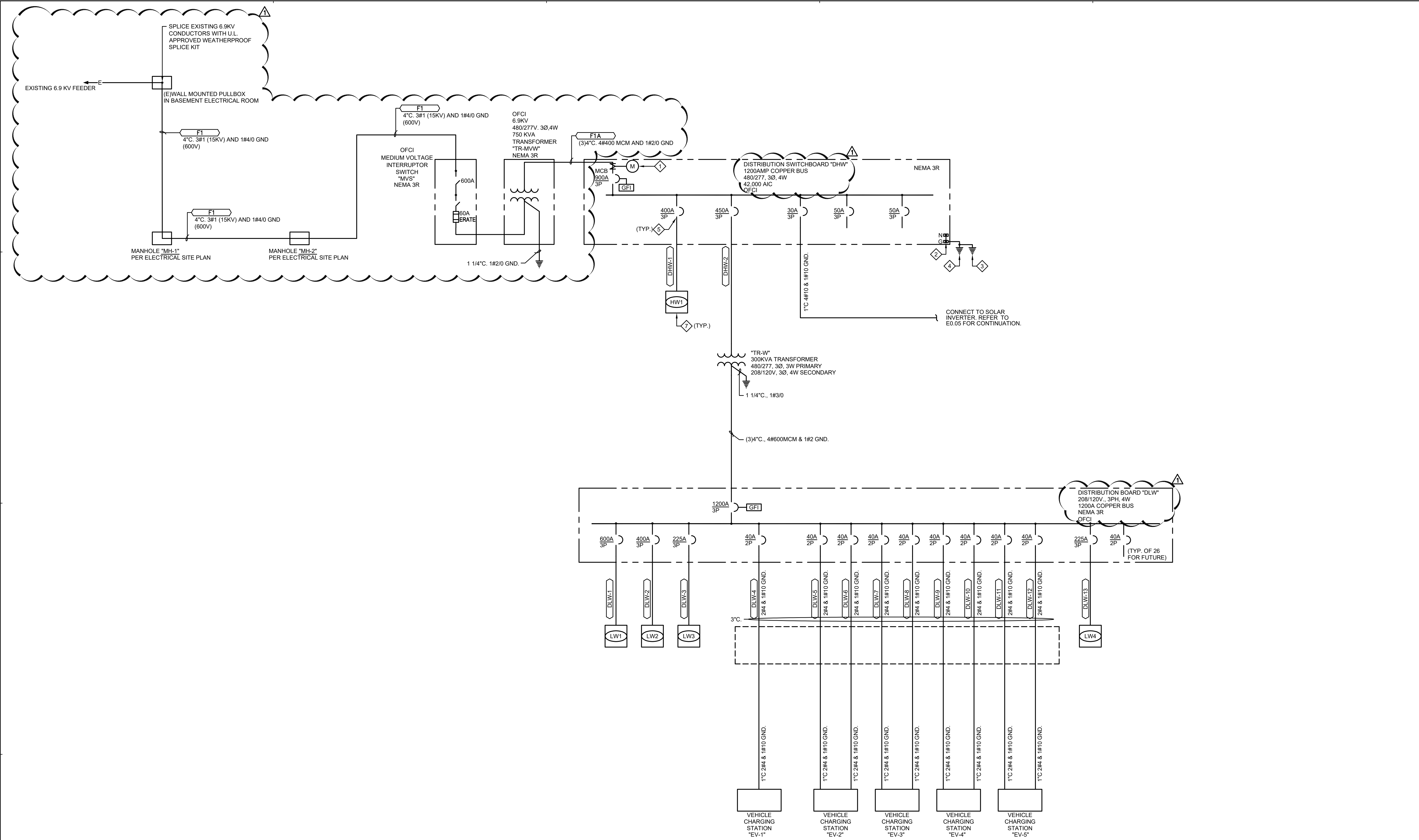
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| DIST. BOARD:  | DHW                     | LOAD SUMMARY & FEEDER SCHEDULE |             |                  |                  | VOLTAGE:     |             | 480/277V,3P,4W |                |        |                                 |              |         |
|---|-------------------------|--------------------------------|-------------|------------------|------------------|--------------|-------------|----------------|----------------|--------|---------------------------------|--------------|---------|
| BRANCH:   | NORMAL                  |                                |             |                  |                  | MIN. BUS:    |             | 1,200 AMPS     |                |        |                                 |              |         |
| ENCLOSURE:  | NEMA-3R                 |                                |             |                  |                  | ** MCB TRIP: |             | 1,000 AMPS     |                |        |                                 |              |         |
| AIC RATING:   | 42,000 AIC SYM. MINIMUM |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| FEEDER NUMBER   | FEEDER                  |                                | NO. OF SETS | CONDUIT (INCHES) | CONDUCTORS (AWG) | GROUND (AWG) | DEMAND LOAD |                | CONNECTED LOAD |        | FEEDER LENGTH*                  | VOLTAGE DROP | REMARKS |
|   | FROM                    | TO                             |             |                  |                  |              | AMPS        | KVA            | AMPS           | KVA    |                                 |              |         |
| DHW-1   | DHW                     | HW1                            | 1           | 4"               | 4 # 600MCM       | 1/0          | 152.40      | 126.70         | 151.48         | 125.94 | 175                             | 0.33%        |         |
| DHW-2   | DHW                     | TR-W                           | 2           | 2 1/2"           | 3 # 250MCM       | 2            | 240.79      | 200.19         | 387.60         | 322.25 | 245                             | 1.09%        |         |
| DHW-3   | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-4   | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-5   | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-6   | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-7   | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-8   | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-9   | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-10  | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-11  | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-12  | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-13  | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-14  | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| DHW-15  | DHW                     |                                |             |                  |                  |              |             |                |                |        |                                 |              |         |
| * FEEDER LENGTH IN FEET IS INDICATED FOR VOLTAGE DROP CALCULATION ONLY AND SHALL NOT BE USED FOR QUANTITY TAKEOFFS. |                         |                                |             |                  |                  |              |             |                | 539.08         | 448.19 | SUBTOTAL                        |              |         |
| ** MCB = MAIN CIRCUIT BREAKER      ** MLO = MAIN LUGS ONLY  |                         |                                |             |                  |                  |              |             |                | 539.08         | 448.19 | 25% OF LARGEST MOTOR TOTAL LOAD |              |         |

| DIST. BOARD:   | DLW                     | LOAD SUMMARY & FEEDER SCHEDULE |            |                  |                  | VOLTAGE:     | 208/120V,3P,4W |        |                |        |                      |              |         |
|--|-------------------------|--------------------------------|------------|------------------|------------------|--------------|----------------|--------|----------------|--------|----------------------|--------------|---------|
| BRANCH:  | NORMAL                  |                                |            |                  |                  | MIN. BUS:    | 1,200 AMPS     |        |                |        |                      |              |         |
| ENCLOSURE:   | NEMA-3R                 |                                |            |                  |                  | ** MCB TRIP: | 1,200 AMPS     |        |                |        |                      |              |         |
| AIC RATING:  | 25,000 AIC SYM, MINIMUM |                                |            |                  |                  |              |                |        |                |        |                      |              |         |
| FEEDER NUMBER  | FEEDER                  |                                | NO OF SETS | CONDUIT (INCHES) | CONDUCTORS (AWG) | GROUND (AWG) | DEMAND LOAD    |        | CONNECTED LOAD |        | FEEDER LENGTH*       | VOLTAGE DROP | REMARKS |
|  | FROM                    | TO                             |            |                  |                  |              | AMPS           | KVA    | AMPS           | KVA    |                      |              |         |
| DLW-1  | DLW                     | LW1                            | 2          | 4"               | 4 # 350MCM       | 1            | 329.18         | 118.59 | 630.60         | 227.18 | 175                  | 1.18%        |         |
| DLW-2  | DLW                     | LW2                            | 1          | 4"               | 4 # 600MCM       | 1/0          | 48.59          | 17.51  | 61.08          | 22.01  | 175                  | 0.30%        |         |
| DLW-3  | DLW                     | LW3                            | 1          | 2 1/2"           | 4 # 4/0          | 4            | 56.10          | 20.21  | 58.40          | 21.04  | 175                  | 0.54%        |         |
| DLW-4  | DLW                     | EV-1                           | 1          | 1"               | 2 # 4            | 10           | 30.19          | 6.28   | 30.19          | 6.28   | 260                  | 1.92%        |         |
| DLW-5  | DLW                     | EV-2                           | 1          | 1"               | 2 # 4            | 10           | 30.19          | 6.28   | 30.19          | 6.28   | 270                  | 2.00%        |         |
| DLW-6  | DLW                     | EV-2                           | 1          | 1"               | 2 # 4            | 10           | 30.19          | 6.28   | 30.19          | 6.28   | 270                  | 2.00%        |         |
| DLW-7  | DLW                     | EV-3                           | 1          | 1"               | 2 # 4            | 10           | 30.19          | 6.28   | 30.19          | 6.28   | 290                  | 2.15%        |         |
| DLW-8  | DLW                     | EV-3                           | 1          | 1"               | 2 # 4            | 10           | 30.19          | 6.28   | 30.19          | 6.28   | 290                  | 2.15%        |         |
| DLW-9  | DLW                     | EV-4                           | 1          | 1"               | 2 # 4            | 10           | 30.19          | 6.28   | 30.19          | 6.28   | 290                  | 2.15%        |         |
| DLW-10   | DLW                     | EV-4                           | 1          | 1"               | 2 # 4            | 10           | 30.19          | 6.28   | 30.19          | 6.28   | 290                  | 2.15%        |         |
| DLW-11   | DLW                     | EV-5                           | 1          | 1"               | 2 # 4            | 10           | 30.19          | 6.28   | 30.19          | 6.28   | 310                  | 2.29%        |         |
| DLW-12   | DLW                     | EV-5                           | 1          | 1"               | 2 # 4            | 10           | 30.19          | 6.28   | 30.19          | 6.28   | 310                  | 2.29%        |         |
| DLW-13   | DLW                     | LW4                            | 1          | 2 1/2"           | 4 # 4/0          | 4            | 94.93          | 34.20  | 162.10         | 58.40  | 250                  | 2.14%        |         |
| DLW-14   | DLW                     |                                |            |                  |                  |              |                |        |                |        |                      |              |         |
| DLW-15   | DLW                     |                                |            |                  |                  |              |                |        |                |        |                      |              |         |
| * FEEDER LENGTH IN FEET IS INDICATED FOR VOLTAGE DROP<br>CALCULATION ONLY AND SHALL NOT BE USED FOR QUANTITY TAKEOFFS. |                         |                                |            |                  |                  |              |                |        | 1069.07        | 385.15 | SUBTOTAL             |              |         |
| ** MCB = MAIN CIRCUIT BREAKER      ** MLO = MAIN LUGS ONLY   |                         |                                |            |                  |                  |              |                |        | 1069.07        | 385.15 | 25% OF LARGEST MOTOR |              |         |
|  |                         |                                |            |                  |                  |              |                |        | 1069.07        | 385.15 | TOTAL LOAD           |              |         |

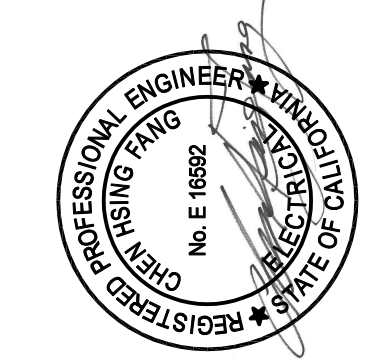
SHEET NOTES

- PROVIDE DIGITAL "OWNER METER" WITH ALL SENSORS & HARDWARE TO COMPLY WITH THE MINIMUM 2016 CALIFORNIA ENERGY CODE REQUIREMENTS PER 130.5(a) AND TABLE 130.5-A FOR KW AND KWH TRACKING.
- CONTINUOUS COPPER GROUND BUS, CENTRAL GROUND POINT FOR PROJECT. NO OTHER GROUND POINTS MAY BE USED.
- INSTALL 1" CONDUIT & 1#4/0 TO ACCESSIBLE COLD WATER & GAS LINES WITHIN 5' OF LINES ENTERING BUILDING. BOND TO BUILDING STEEL USING EXOTHERMIC WELD PROCESS & APPROVED GROUNDING CLAMPS TO BUILDING WATER & GAS LINES.
- INSTALL 1" C. WITH 1#250 MCM GROUNDING ELECTRODE CONDUCTOR TO "UFER" GROUND SYSTEM CABLE. UFER GROUND SYSTEM SHALL BE A MINIMUM OF 40' OF 250 MCM BARE COPPER GROUND IN BUILDING FOOTINGS.
- ALL CIRCUIT BREAKERS SHALL BE FULLY RATED. NO SERIES RATED CIRCUIT BREAKER SHALL BE USED, TYPICAL.
- PROVIDE AND INSTALL TRANSIENT VOLTAGE SURGE SUPPRESSION FILTER EQUAL TO CURRENT TECHNOLOGY #TG3-200-480-3Y-SN-T/B-MI-F23.
- FURNISH GROUND BUS IN EACH BRANCH CIRCUIT PANEL. ALL PANELS 480/277 VOLT AND 208/120 VOLT, SHALL HAVE THE FEEDER EQUIPMENT GROUNDING CONDUCTOR CONNECTED TO GROUND BUS. FURNISH EQUIPMENT GROUNDING CONDUCTORS IN EVERY FEEDER AND BRANCH CIRCUIT. RUN TO LAST OUTLET AND CONNECT TO BUS. CONDUIT GROUND IS NOT ACCEPTABLE AS A SUBSTITUTE. TYPICAL ALL PANELS, SWITCHBOARDS, DISTRIBUTION PANELBOARDS, AND SWITCHGEAR.

SINGLE LINE DIAGRAM

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



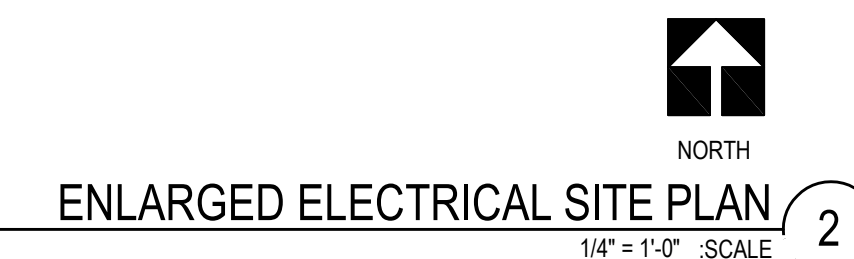
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ARCHITECTS

PROJECT NUMBER: 24-002-00  
PROJECT STATUS: NEW CD  
SHEET ISSUED: 08/25/2025  
DELTA DATE: 11/12/2025  
DESCRIPTION: ADDENDUM 1

E0.04

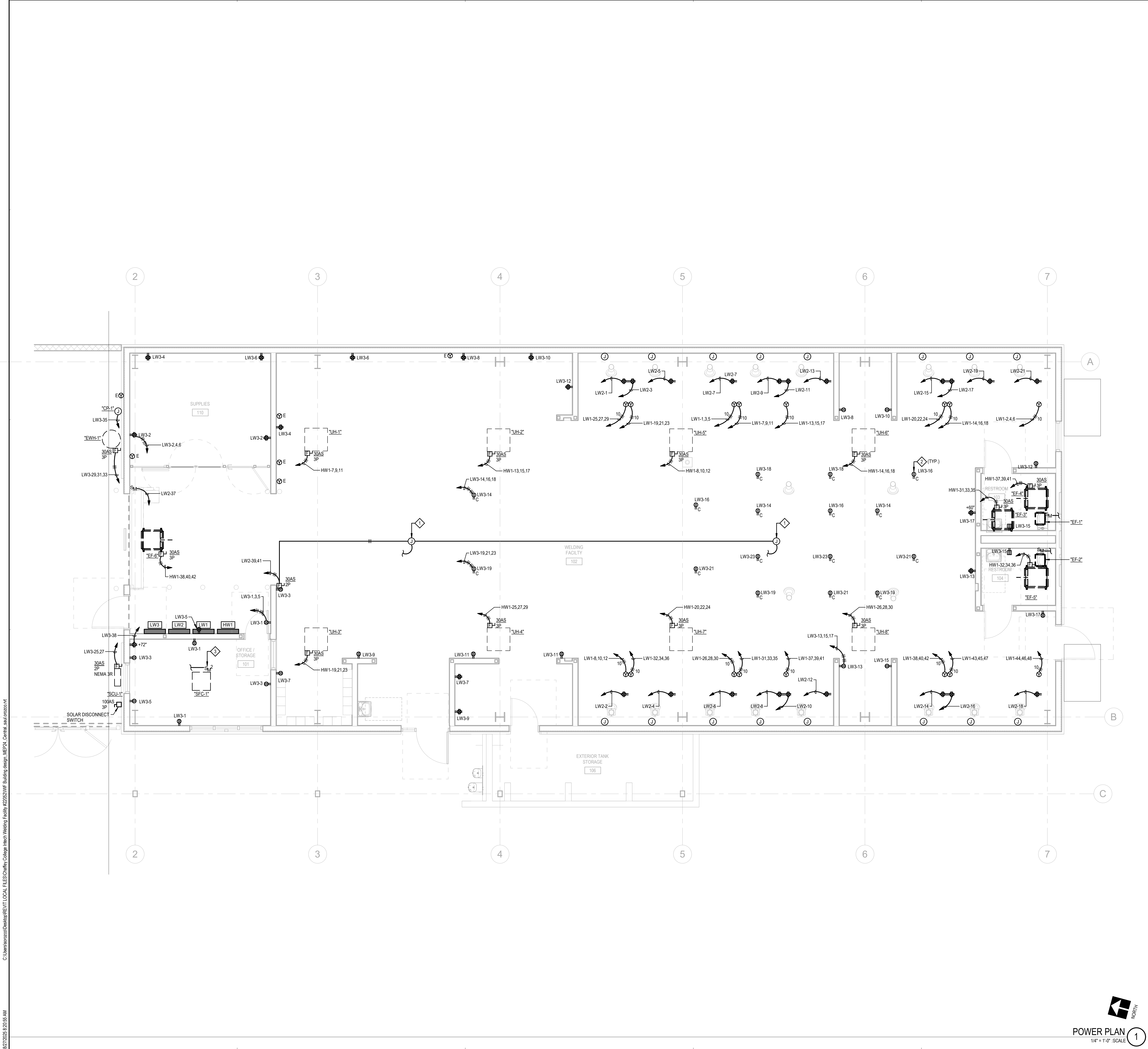
100% CD





100% CD





SHEET NOTES

- MAKE CONNECTION TO CEILING FAN PER MANUFACTURES REQUIREMENTS. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- REFER TO CORD REEL DETAIL 12/10/22 FOR CORD REEL MOUNTING. VERIFY EXACT LOCATION OF CORD REELS ON ARCHITECTURAL PLANS.
- TO OUTDOOR UNIT FOR POWER.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP. 04-124464 INC.  
REVIEWED FOR  
SS ☐ FLS ☐ ACS ☐  
DATE: 09/02/25

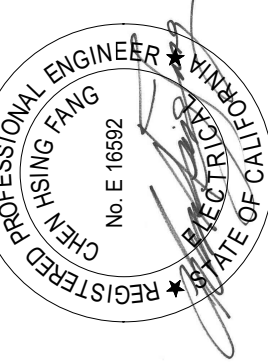
CONSULTANT:



POWER PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335



SEALS:



PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/29/2025  
DATE: 11/22/2025  
DESCRIPTION: ADDENDUM 1

E2.22

100% CD

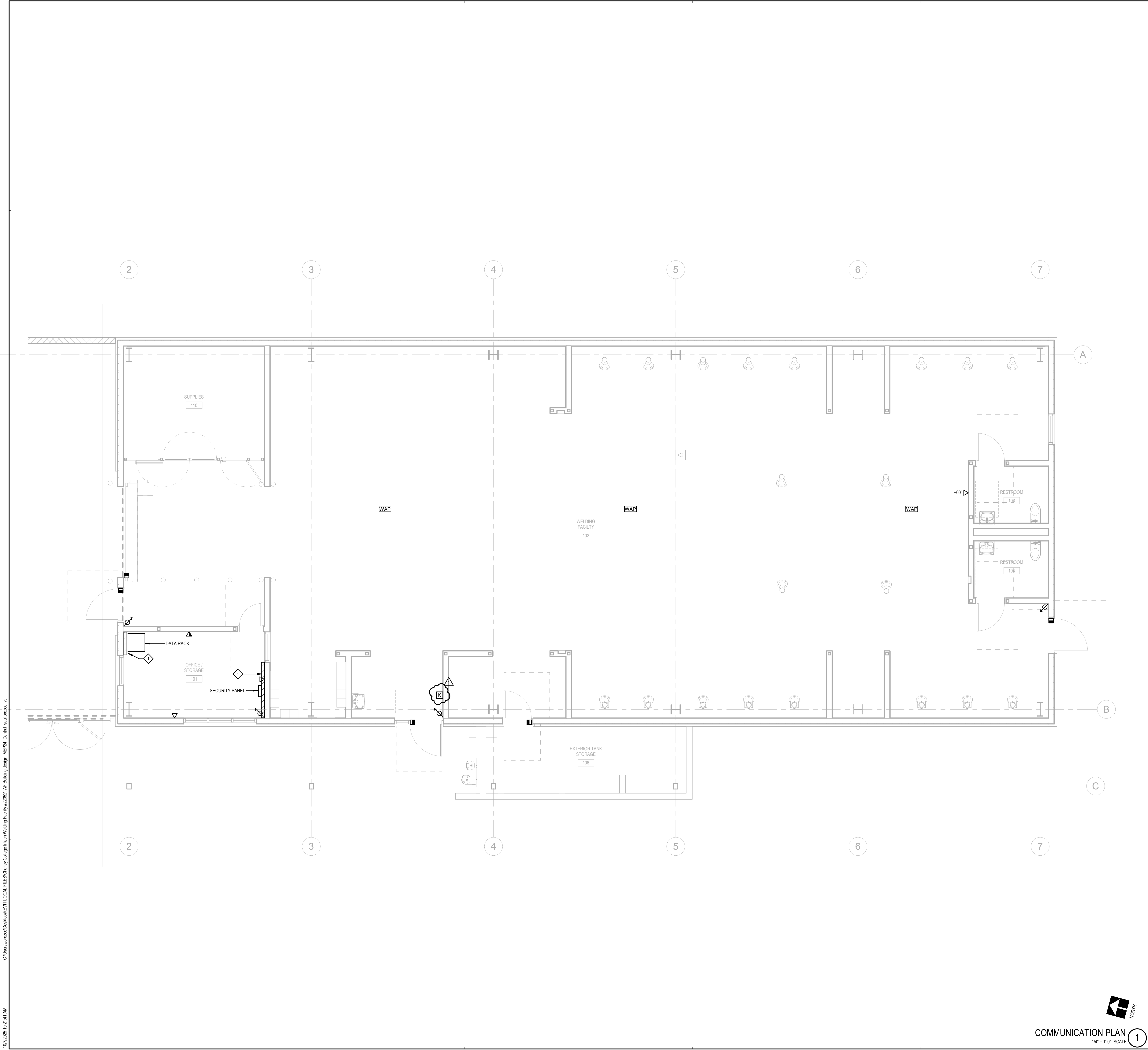
POWER PLAN  
1/4" = 1'-0" SCALE

1

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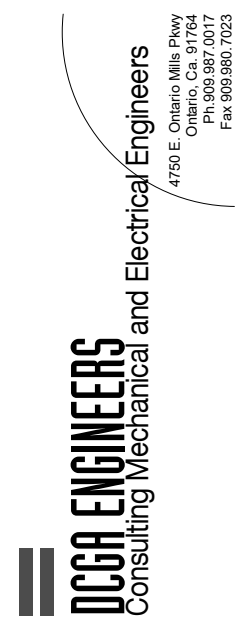




SHEET NOTES

PROVIDE A 3/4" THICK x 8'-0" x LENGTH INDICATED FIRE TREATED PLYWOOD BACKBOARD SANDED AND PAINTED WHITE.

CONSULTANT:

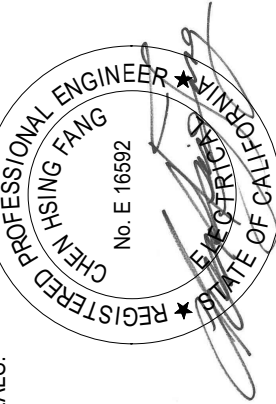


COMMUNICATION PLAN

CHAFFEY COLLEGE  
INTECH WELDING FACILITY

9400 CHERRY AVENUE, FONTANA, CA 92335

SEALS:



PROJECT NUMBER: 23-46102-00  
PROJECT STATUS: 100% CD  
SHEET ISSUED: 08/29/2025  
DATE: 11/25/2025  
DESCRIPTION: ADDENDUM 1

E2.23

100% CD

COMMUNICATION PLAN  
1/4" = 1'-0" SCALE

1



