

**ADDENDUM NO. 3**

**March 12, 2024**

**RE: Hutchins City Hall  
400 N. JJ Lemon Rd.  
Hutchins, TX 75141  
Project No. 23046**

**FROM: Brandstetter Carroll Inc.  
17304 Preston Road, Suite 1075  
Dallas, TX 75252  
Phone 469-941-4926**

**TO: Plan Holders**

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This addendum forms a part of the original bidding documents dated February 22nd, 2024. Each bidder shall acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

**CHANGES TO DRAWINGS:**

GENERAL

1. G-100, General Notes and Legends.
  - a. Update drawing index to denote revision number.
2. G-101, Code Review & Egress Plan
  - a. Revised type of construction from Type V to Type II-B.

**END OF ADDENDUM NO. 3**

# Hutchins City Hall – Addendum 03

## Revised Drawings:

### CIVIL

- C00.00 – COVER SHEET
  - Addendum 3 Sheets shown on sheet index list.
- C04.00 – OVERALL DIMENSION CONTROL PLAN
  - Water vaults shown for services on east side of building.
- C05.00 – OVERALL PAVING PLAN
  - Water vaults shown for services on east side of building.
- C06.00 – OVERALL GRADING PLAN
  - Water vaults shown for services on east side of building.
- C06.01 – GRADING PLAN
  - Water vaults shown for services on east side of building.
- C06.02 – GRADING PLAN
  - Water vaults shown for services on east side of building.
- C09.00 – STORM SEWER PLAN
  - Water vaults shown for services on east side of building.
- C10.00 – OVERALL WATER AND WASTEWATER PLAN
  - The 8"x6" Tee for Fire service line is shifted to the north.
  - A 6" Fire Vault is added to the service per City of Hutchins Standard Drawing detail 32.
  - An 8"x3" Tee is added for the domestic service.
  - A 3" Domestic Vault is added to the service per City of Hutchins Standard Drawing detail 32.
  - An 8" isolation Valve has been added between the 6" and 3" water tees.
  - Water Easement is shown around the fire and domestic water vaults.
- C11.00 – EROSION CONTROL PLAN
  - Water vaults shown for services on east side of building.

**END OF ADDENDUM 03**

## **Structural Narrative**

### **ADDENDUM 3 CHANGES**

#### **S2.01 – Foundation Plan**

- Updated entry canopy column sizes.

#### **S2.02 – Low Roof Framing Plan**

- Updated base plate schedule for W8 columns.

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**CHANGES TO SPECIFICATIONS:**

1. Sections revised under this addendum:
  - 00 01 10 – Table of Contents
  - 03 35 43 – Polished Concrete
  - 06 41 16 – Plastic Laminate-Clad Architectural cabinets
  - 06 42 00 – Wood Paneling
  - 08 14 16 – Flush Wood Doors
  - 08 43 13 – Aluminum-Framed Storefronts
  - 08 56 53 - Security Window
  - 09 30 00 – Tiling
  - 09 91 23 – Interior Painting
  - 10 21 13.13 – Metal Toilet Compartments
  - 10 28 00 – Toilet, Bath, and Laundry Accessories

**CHANGES TO DRAWINGS:**

ARCHITECTURE

1. A-104, Site Details.
  - a. Update detail D3, per revision to structural column.
2. A-201, Dimensional Plan
  - a. Added callouts for the enlarged plans, previously not shown.
3. A-202, Finish Plan and Finish Schedules
  - a. Revised wall finish for W6.
4. A-205, Reflected Ceiling Plan
  - a. Added section mark at corridor on detail C1.
5. A-206, Reflected Ceiling Plan Details
  - a. Revised fixture for lighting cove at detail A1.
  - b. Added Detail A2.

6. A-301, Enlarged Floor Plan
7. A-302, Enlarged Floor Plan
  - a. Added window symbol to denote windows to receive BG-1 treatment.
8. A-304, Enlarged Floor Plan
  - a. Revised diameter of column enclosures along gridlines A-28 through A-34, and N-28 through N-34.
9. A-703, Interior Elevations
  - a. Added backsplash at detail E5.
  - b. Revised millwork at upper cabinet.
  - c. Added hatch at various elevations to denote lockable cabinets, added hatch under general notes legend.
10. A-801, Door Schedule
  - a. Updated finishes for doors/frames.
11. A-802, Frame Elevations
  - a. Revised colored glass panels within storefront system at windows W1 and W2.
  - b. Added pattern at detail D4.
12. A-810, Plan Details
  - a. Revised detail A4 to reduced diameter of column cladding surround and revised structural column profile to recessed downspout within column profile.

#### CIVIL

Refer to Addendum#3 from RLG Consulting Engineers, dated March 12th, 2024.

#### STRUCTURAL

Refer to Addendum#3 from RLG Consulting Engineers, dated March 12th, 2024.

#### MEP / AV-IT

Refer to Addendum #3 from MD Engineering, dated March 12, 2024.

**END OF ADDENDUM NO. 3**



### **ADDENDUM #3**

**PROJECT TITLE: Hutchins City Hall**

**MD PROJECT #: 231646**

**DATE: March 12, 2024**

#### **MECHANICAL**

1. M-201 – FIRST FLOOR PLAN - DUCTWORK
  - Relocated supply duct running through 119 W. RR. Shifted to the right to avoid conflict with cove.
  - Supply duct resized running through 118 M. RR.
  - Exhaust duct relocated to avoid cove in rooms 139 W. Public RR, 157 M. Staff RR, & 156 M. Staff RR.
  - Supply duct relocated to avoid cove in rooms 157 M. Staff RR & 156 W. Staff RR.
2. M-401 – DETAILS
  - Detail #19 added – Major Rectangular Duct Tee.

#### **ELECTRICAL**

1. E-301 – FIRST FLOOR PLAN - POWER
  - Revised mounting heights of TVs.
  - Relocated location of TV in Conference Room 166.

#### **AV-IT**

1. T-003 – GROUNDING SCHEMATIC
  - New sheet added for Addendum 3.
2. T-100 – SITE PLAN - IT
  - Revised Keynote 1.



3. T-201 – FLOOR PLAN - IT
  - Added floor box ID to data drops in COMMUNITY/EVENT SPACE 129.
  - Added data drops to DEPT DIRECTOR OFFICE 126.
  - Relocated data drop to JUDGES OF./COUNCIL WS 125.
  - Relocated data drops in EXEC. SESSION CONF. 123.
  - Relocated data floor box in COUNCIL CHAMBER/COURT RM. 124.
  - Relocated data drops in WORK ROOM 122.
  
  - Relocated data drops in CLERK TRANSACTION COUNTER/WORK 115.
  - Added data to floor box in CONF. RM. 109.
  - Relocated data drops in DIRECTOR OF HR OFFICE 107 and HR ASSISTANT 105.
  - Added data floor drops to WORK AREA/FUTURE WORK STATIONS 147.
  - Relocated data drops in PLAN REVIEW AREA 150.
  - Added data to floor box and relocated data drops in CONF. RM. 152.
  - Relocated data drops in UTILITY BILLING OFFICE 168.
  - Added data to floor box and relocated data drops in CONF. RM. 166.
  - Relocated data drops in FINANCE DIRECTYOR OFFICE 164.
  
4. T-202 – FLOOR PLAN - AV
  - Revised camera mounting height in COMMUNITY/EVENT SPACE 129.
  - Relocated display and camera in EXEC. SESSION CONF. 123.
  - Revised infrastructure routing in BREAK ROOM 113.
  - Relocated DISPLAY in CLERK TRANSACTION COUNTER/WORK 115
  - Revised infrastructure routing in PLAN REVIEW AREA 150.
  - Revised infrastructure routing in CONF. RM. 152.
  - Revised infrastructure routing in BREAK ROOM 154.
  
5. T-203 – ENLARGED PLANS - AV
  - Revised Details 1/ENLARGED PLAN – COUNCIL CHAMBER/COURT RM. 124 and 2/ENLARGED PLAN – COUNCIL DAIS INFRASTRUCTURE.
  
6. T-205 – REFLECTED CEILING PLAN - AV
  - Removed ceiling microphone and revised ceiling speaker types in CONF. RM. 109.
  - Removed ceiling microphone and revised ceiling speaker types in CONF. RM. 166.
  - Removed ceiling microphone and revised ceiling speaker types in CONF. RM. 152.
  
7. T-206 – ENLARGED REFLECTED CEILING PLANS
  - New sheet added for Addendum 3.



8. T-501 – AUDIOVISUAL DETAILS
  - Added Detail 5”V2” CONFERENCE ROOM TV BACK BOX DETAIL.
9. T-502 – AUDIOVISUAL DETAILS
  - Revised Details 1/BOARDROOM DAIS SECTIONS and 2/BOARDROOM/COUNCIL MONITOR MOUNT DETAILS.
10. T-503 – AUDIOVISUAL DETAILS
  - Revised Details 1/CAMERA MOUNT DETAILS, 2/TABLE POCKET DETAILS and 3/COUNCIL CHAMBER/COURT RM INTERIOR SECTION.
11. T-504 – AUDIOVISUAL DETAILS
  - New sheet added for Addendum 3.
12. T-505 – AUDIOVISUAL DETAILS
  - New sheet added for Addendum 3.
13. T-506 – AUDIOVISUAL DETAILS
  - New sheet added for Addendum 3.
14. T-507 – AUDIOVISUAL DETAILS
  - New sheet added for Addendum 3.

This concludes Addendum 3 items for the referenced project.

Sincerely,

**MD Engineering, LLP**

Michael Smith, PE LEED®AP  
President

Randell Jepsen, PE  
Director



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32 31 19 - DECORATIVE METAL FENCES AND GATES

32 84 00 - PLANTING IRRIGATION

32 92 00 - TURF AND GRASSES

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33 10 00 - WATER UTILITIES

33 30 00 - SANITARY SEWERAGE UTILITIES

33 40 00 - STORM DRAINAGE UTILITIES

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3

Specification outline numbering  
has been revised.

## SECTION 03 35 43 - POLISHED

## PART 1 GENERAL

## 1.1 SECTION INCLUDES

- A. Polished concrete floor finish consisting of thorough cleaning of new concrete slab, dry grinding to remove surface imperfections and irregularities, application of dye hardener, and polishing.

## 1.2 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions.

## 1.3 REFERENCES

- A. NFSI - National Floor Safety Institute; Test Method 101A; current edition.

## 1.4 SYSTEM DESCRIPTION

- A. Polished Concrete Floor Finish: A multi-step finishing process on concrete floor surfaces consisting of dry grinding and polishing to the scheduled reflective sheen.

## 1.5 PERFORMANCE REQUIREMENTS

- A. Completed polished concrete floor surface shall have a static Coefficient of Friction or Slip Coefficient of 0.6 , minimum, when tested in accordance with NFSI Test Method 101A.

## 1.6 SUBMITTALS

- A. Samples: Submit two polished concrete finish samples, 6 x 6 inch in size, illustrating sheen level of polished concrete.
- B. Test Reports: Submit test reports or certification from NFSI confirming that polished concrete floor finish has been tested in accordance with Method 101A and has passed phase 2 level of certification.
- C. Manufacturer's Instructions: Indicate complete preparation and finishing instructions for each level of sheen.

## 1.7 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing the work of this Section and trained by equipment manufacturer in proper operation of equipment; successfully completed not less than 3 previous projects of similar scope.
- B. Pre-Installation Conference:
  - 1. Prior to application of polished concrete floor finish, conduct a pre-installation conference at the project site.

2. Attendance: Contractor, job superintendent, and suppliers of hardeners and sealers related to polished concrete floor finish work.
  3. Agenda: Finish criteria, mock-ups, preparation, application process and protection of completed floors.
- C. Provide list of not less than 5 successful projects, complete with name and contact information of owner, documenting past performance.
- 1.8 MOCK-UP
- A. Aggregate mock-up:
1. Location: pour temporary slab.
  2. Size: minimum 8' x 8'.
- B. Finish mock-up:
1. Location: STORAGE 135
  2. Size: minimum 8' x 8'.
  3. Show colorant, polished finish and selected sheen level for three different dyes selected by Architect.
- C. Accepted mock-up will serve as a standard to judge quality and workmanship of completed polished concrete floor finish.
- 1.9 PROJECT CONDITIONS
- A. Take precautions to prevent staining of concrete prior to application of concrete floor polishing:
- B. If construction equipment must be used for application, diaper components that might drip oil, hydraulic fluid, or other liquids.
- C. Prohibit acids and acidic detergents from contacting concrete surfaces.
- D. Sequence application of concrete polishing after completion of other construction activities that would be damaging to completed polished finish.
- E. Concrete Substrate
1. Minimum Ff/FI rating: 50/35, tested to ASTM E-1155.
    - a. Refer Section 03 30 00
    - b. Provide testing of slab flatness and levelness according to ASTM E-1155 within 48 hours of finishing.
  2. 28 day compressive strength 4000 PSI.
  3. Cured minimum 14 days using methods indicated in Section 03 30 00. If curing compound is used, it shall be natural dissipating type.
  4. Power troweled, without burning and without hand finishing.
  5. Relative Humidity performed ASTM F2170, consult with manufacturer with results.
  6. No fly ash allowed.
  7. Review Ff/FI prior to grinding
- F. Protect concrete surfaces scheduled to receive dyed and polished finish prior to finishing; prevent damage and staining:
1. Provide fluid containment for equipment working on floors before and after polishing.
  2. Do not allow vehicular traffic on floors before or after polishing.
  3. Do not allow acids to contact surfaces.



4. Close areas to traffic during finishing and for minimum time period after finishing as recommended by concrete treatment manufacturer.

#### 1.10 SCHEDULING

- A. Complete all work of this section prior to erecting any new interior partitions.

### PART 2 – PRODUCTS

#### 2.1 ACCEPTABLE HARDENING/SEALING MANUFACTURERS

- A. SCOFIELD Formula One, by Sika Corporation (Basis-of-Design)
  1. Hardener: Lithium Densifier MP
  2. Dye: Liquid Dye Concentrate
  3. Sealer: Guard-W
- B. RetroPlate Concrete Polishing System, by Advanced Floor Products
  1. Hardener: RetroPlate 99
  2. Sealer: RetroGuard
- C. Consolideck, By Prosoco
  1. Hardener: LS
  2. Sealer: PolishGuard
- D. Armour Products, by Silex Custom Concrete Solutions
  1. Hardener: Armour Hard
  2. Sealer: Armour Renew Stain Guard
- E. Each manufacturer must provide a:
  1. Hardener
  2. Stain sealer
  3. Dye

#### 2.2 EQUIPMENT

- A. Grinding Machine: Counter rotating head floor grinding machine and edge grinder. B. Dust Extraction System: Provide complete with squeegee attachment.
- B. Grinding Heads:
  1. Metal Bonded SF-80, SF-150 or SF-300 diamonds depending on application.
  2. Resin Bonded: HTC phenolic resin diamonds in 400, 800, 1500, and 3000 grits. D. Grinding Pads for Edges:
    3. Swiflex Telum grits 40 or 60 and 120, depending upon application.
    4. KGS Speedline grits 200, 400, 800, 1500, and 3000.

#### 2.3 ACCESSORY MATERIALS

- A. Acceptable Control Joint Filler:
  1. Metzger McGuire MM 80 epoxy joint filler.
  2. Hi-Tech Structural Systems Polyurea Joint Filler HT-PE85.

- B. Self-Leveling Underlayment: As recommended by system manufacturer for use in areas requiring deep grinding to remove deep surface imperfections.

### PART 3 – EXECUTION

#### 3.1 EXAMINATION

- A. Examine concrete floors for defects and conditions that cannot be corrected by preparatory work.
- B. Do not proceed until defects are corrected.

#### 3.2 PREPARATION

- A. Clean concrete surfaces free of dirt, debris, paint/oil splatters and other residue.
- B. Remove curing compounds and sealers from concrete surfaces.
- C. Leave concrete surfaces clean and dry, ready for polishing process.
- D. Protect adjacent surfaces and finishes from damage by concrete polishing procedures.
- E. Fill control joints with joint filler and shave prior to the grinding and polishing process.

#### 3.3 APPLICATION

- A. Apply concrete polishing in accordance with manufacturer's instructions to the selected sheen level. B. Finish to be:
  - 1. CPC Class B Fine Aggregate
  - 2. CPC Level 4 (1500 grit) - Highly Polished, image clarity value of 70 to 100 percent with haze index less than 10.
- B. Grind concrete floor to within 2 inch of walls and partitions using SF-40 grit, removing construction debris and floor slab imperfections and imparting a uniform scratch pattern in concrete surfaces.
- C. Thoroughly vacuum floor using a squeegee vacuum attachment to completely remove dust and debris.
- D. Apply liquid densifier, undiluted, at approximate rate of 200 s.f. per gal (or as otherwise recommended by manufacturer) in accordance with manufacturer's instructions. Remove excess material from surfaces. Allow to cure for 1 to 2 hours before proceeding with grinding and polishing.
- E. Grind concrete floor to within 2 inch of walls and partitions using metal bonded diamond grits, SF-80, SF-150 and SF-300 in succession, grinding 90 degrees from each previous grind and removing scratches from each previous grind. After each grind, thoroughly vacuum floor using a squeegee vacuum attachment to completely remove dust and debris.
- F. Any additional grinding required to meet Surface Texture CPC Level 4 (1500 grit) shall be included.

- G. Grind edges of floor using KGS 60, 120 and 220-grit grinding pads, completely removing scratches from each previous grind. After each grind, thoroughly vacuum floor using a squeegee vacuum attachment to completely remove dust and debris.
- H. Polish concrete floor, to sheen level indicated, with resin bonded diamond grit of 800 as applicable, first polishing floor edges with pads of same grit and then polishing field of floor, completely removing scratches from each previous grit.
- I. Apply dye to polished concrete after 400 grit polishing has occurred.
- J. Completed polished concrete floor shall have uniform sheen level and shall match accepted mock-up.
- K. Dye sealer to be applied per manufacturer's recommendation.

#### 3.4 FIELD QUALITY CONTROL

- A. Measure with profilometer in accordance with ST-115.
- B. Measure gloss rating using Horbia 320 gloss meter; re-polish if required to achieve specified gloss rating.
- C. Measure slip resistance using BOT-3000 slip-tester by Universal Walkway Testing; ensure compliance with specified slip resistance rating

#### 3.5 PROTECTION

- A. Close areas to traffic until concrete treatment has cured.
- B. Protect completed work with non-staining, water repellent, breathable sheet coverings by RAMBOARD ([www.ramboard.com](http://www.ramboard.com)). Coverings shall be replaced every sixty days and as necessary

END OF SECTION

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## SECTION 06 41 16 - PLASTIC-LAMINATED-CLAD ARCHITECTURAL CABINETS

## PART 1 GENERAL

## 1.1 SECTION INCLUDES

- A. Fabricated cabinet units.
- B. Hardware.
- C. Preparation for installing utilities.

## 1.2 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Support framing, grounds, and concealed blocking.
- B. Section 12 36 00 - Countertops.

## 1.3 REFERENCE STANDARDS

- A. ANSI A208.2 - American National Standard for Medium Density Fiberboard for Interior Use; 2016.
- B. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014, with Errata (2018).
- C. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards, U.S. Version 3.1; 2017, with Errata (2019).
- D. BHMA A156.9 - American National Standard for Cabinet Hardware; 2015.
- E. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.

## 1.4 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting not less than one week before starting work of this section; require attendance by all affected installers.

## 1.5 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
  - 1. Provide information as required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).
  - 2. Include certification program label.
- C. Product Data: Provide data for hardware accessories.
- D. Samples: Submit actual samples of architectural cabinet construction, minimum 12 inches square, illustrating proposed cabinet, countertop, and shelf unit substrate and finish.

- E. Samples: Submit actual sample items of proposed pulls, hinges, shelf standards, and drawer slides, demonstrating hardware design, quality, and finish.
- F. Certificate: Submit labels and certificates required by quality assurance and quality control programs.

#### 1.6 QUALITY ASSURANCE

- A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
  - 1. Accredited participant in the specified certification program prior to the commencement of fabrication and throughout the duration of the project.
  - 2. Single Source Responsibility: Provide and install this work from single fabricator.
- B. Quality Certification:
  - 1. Architectural Woodworking Institute (AWI) certified holding a QCP license.
  - 2. Provide labels or certificates indicating that the installed work complies with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade or grades specified.

#### 1.7 MOCK-UPS

- A. Construct mock-up of typical base cabinet, wall cabinet, and countertop, including hardware and finishes.
- B. See Section 01 40 00 - Quality Requirements for additional requirements.
- C. Locate where directed.

#### 1.8 DELIVERY, STORAGE, AND HANDLING

- A. Protect units from moisture damage.

#### 1.9 FIELD CONDITIONS

- A. Prior to installation, cabinets shall be delivered to project site and stored indoors 72 hours minimum to allow for temperature and humidity acclimation.
- B. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Architectural Woodworking Institute (AWI) certified holding a QCP license.
- B. Single Source Responsibility: Provide and install this work from single fabricator.

## 2.2 CABINETS

- A. Quality Standard: Premium Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Plastic Laminate Faced Cabinets: Premium grade.
- C. Cabinets:
  - 1. Finish - Exposed Exterior Surfaces: Decorative laminate.
  - 2. Finish - Exposed Interior Surfaces: Decorative laminate.
  - 3. Finish - Semi-Exposed Surfaces: Decorative laminate
  - 4. Door and Drawer Front Edge Profiles: Square edge with thin applied band.
  - 5. Casework Construction Type: Type A - Frameless.
  - 6. Interface Style for Cabinet and Door: Style 1 - Overlay; flush overlay.
  - 7. Adjustable Shelf Loading: 40 psf.
  - 8. Cabinet Style: Flush overlay.
  - 9. Cabinet Doors and Drawer Fronts: Flush style.
  - 10. Drawer Side Construction: Multiple-dovetailed.
  - 11. Drawer Construction Technique: Dovetail joints.

## 2.3 WOOD-BASED COMPONENTS

- A. Wood fabricated from old growth timber is not permitted.

## 2.4 Panel Core Materials

- A. Medium Density Fiberboard (MDF): Composite panel composed of cellulosic fibers, additives, and bonding system; cured under heat and pressure; comply with ANSI A208.2.
  - 1. Grade: 130; moisture resistance: MR10.
  - 2. Panel Thickness: 3/4 inch.
  - 3. Products:
    - a. Roseburg Forest Products; Medite Premium: [www.roseburg.com](http://www.roseburg.com).
    - b. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Medium Density Fiberboard (MDF) in High Moisture Areas: Composite panel composed of cellulosic fibers, additives, and bonding system; cured under heat and pressure; comply with ANSI A208.2.
  - 1. Grade: 155; moisture resistance: MR50.
  - 2. Panel Thickness: 3/4 inch (19.1 mm).
  - 3. Products:
    - a. Roseburg Forest Products; Medex: [www.roseburg.com](http://www.roseburg.com).
    - b. Substitutions: See Section 016000 - Product Requirements.
- C. Combination Core Panel: Cross bands of thin MDF and plywood veneer.
  - 1. Panel Thickness: 1 inch (25.4 mm).
  - 2. Products:
    - a. Columbia Forest Products; Classic Core: [www.columbiaforestproducts.com](http://www.columbiaforestproducts.com).
    - b. Substitutions: See Section 01 60 00 - Product Requirements.

## 2.5 PLYWOOD PANELS

- A. Plywood: Manufactured for drawer construction; consisting of fronts, backs, sides and bottoms.
  - 1. Woodwork Quality Standard: Panels complying with specified woodwork quality standard.
  - 2. Semi-Exposed Surfaces: HPVA HP-1 Grade B, Birch; plain-sliced.
  - 3. Panel Thickness: 1/2 inch (12.7 mm).

## 2.6 LAMINATE MATERIALS

- A. Manufacturers:
  - 1. Wilsonart LLC: [www.wilsonart.com](http://www.wilsonart.com).
    - a. See Drawings for finishes
  - 2. Substitutions: See Section 01 60 00 - Product Requirements.
- B. High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.
- C. Provide specific types as follows:
  - 1. Horizontal Surfaces: HGS, 0.048 inch nominal thickness, through color, colors as indicated, finish as indicated.
  - 2. Vertical Surfaces: VGS, 0.028 inch nominal thickness, through color, colors as indicated, finish as indicated.

## 2.7 COUNTERTOPS

- A. Countertops: See Section 12 36 00 - Countertops and

## 2.8 ACCESSORIES

- A. Adhesive: Type recommended by fabricator to suit application.
- B. Plastic Edge Banding: Extruded PVC, flat shaped; through color; smooth satin finish; self locking serrated tongue; of width to match component thickness. 3 mm thickness at doors, drawer fronts, and exposed fixed shelving. 1 mm thickness elsewhere, including edges of adjustable shelving inside cabinets.
  - 1. Color: As selected by Architect from manufacturer's full range.
- C. Fasteners: Size and type to suit application.
- D. Grommets: Standard painted metal grommets for cut-outs, in color to blend with adjacent surface.

## 2.9 HARDWARE

- A. Hardware: BHMA A156.9, types as recommended by fabricator for quality grade specified.
- B. Adjustable Shelf Supports: Standard side-mounted system using recessed metal shelf standards and coordinated self rests, zinc finish, for nominal 1 inch spacing adjustments.
  - 1. Manufacturers:



- a. Knapé & Vogt; 255 (ZC) Standards with 256 (ZC) Supports: [www.knapéandvogt.com](http://www.knapéandvogt.com).
- C. Countertop Support Brackets: Fixed, L-shaped, face-of-wall mounting.
  - 1. Materials: Steel; L-shape cross-section.
    - a. Finish: Manufacturer's standard, stainless steel.
  - 2. Products:
    - a. Speed Brace; SB-21X24SS: [www.fastcap.com](http://www.fastcap.com).
- D. Drawer and Door Pulls: "U" shaped wire pulls; Bronze satin finished; 4" centers.
- E. Drawer Slides:
  - 1. Type: Full extension
  - 2. Static Load Capacity: Heavy Duty grade.
  - 3. Mounting: Side mounted; steel ball bearing.
  - 4. Features: Provide self closing/stay closed type.
  - 5. Grade:
    - a. For drawers more than 3 inches high but not more than 6 inches high and not more than 24 inches wide, provide Grade 1.
    - b. For drawers more than 6 inches high or more than 24 inches wide, provide Grade 1HD-100.
  - 6. Manufacturers:
    - a. Accuride International, Inc; Heavy-Duty Drawer Slides: [www accuride.com](http://www accuride.com).
    - b. Knapé & Vogt Manufacturing Company; Heavy-Duty Drawer Slides: [www.knapéandvogt.com](http://www.knapéandvogt.com).
- F. Hinges: European style concealed self-closing type, steel with nickel-plated finish.
  - 1. Manufacturers:
    - a. Blum, Inc; CLIP top BLUMOTION: [www.blum.com](http://www.blum.com).
- G. Door and Drawer Silencers: BHMA A156.16.

## 2.10 FABRICATION

- A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
- B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
- C. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
- D. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises.
- E. Shop-cut openings to maximum extent possible to receive hardware, appliances, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.

## PART 3 EXECUTION

## 3.1 EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify location and sizes of utility rough-in associated with work of this section.

## 3.2 INSTALLATION

- A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.
- B. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
- C. Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.
  - 1. Install cabinets with no more than 1/8 inch in 96-inch sag, bow, or other variation from a straight line.
  - 2. Fasten cabinets not more than 16 inches on center for not less than 1-1/2 inch penetration into wood blocking or hanging strips.
- D. Use concealed joint fasteners to align and secure adjoining cabinet units.
- E. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.
- F. Secure cabinets to floor using appropriate angles and anchorages.
- G. Countersink anchorage devices at exposed locations. Conceal with solid wood plugs of species to match surrounding wood; finish flush with surrounding surfaces.

## 3.3 ADJUSTING

- A. Adjust installed work.
- B. Adjust moving or operating parts to function smoothly and correctly.

## 3.4 CLEANING

- A. Clean casework, counters, shelves, hardware, fittings, and fixtures.

END OF SECTION

## SECTION 06 42 00 - WOOD PANELING

## PART 1 GENERAL

## 2.1 SECTION INCLUDES

- A. Custom prefinished wood veneer panels.

## 2.2 RELATED REQUIREMENTS

- A. Section 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions.
- B. Section 06 10 00 - Rough Carpentry: Grounds and concealed blocking.
- C. Section 09 91 23 - Interior Painting: Field finishing.
- D. Section 09 93 00 - Staining and Transparent Finishing:

## 2.3 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on fire-retardant treatment materials and application instructions.
- C. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
  - 1. Provide plan of panel number sequencing.
  - 2. Provide information as required by AWI/AWMAc/WI (AWS) or AWMAc/WI (NAAWS).
- D. Samples: Submit two samples of finished panels, 12x12 inch in size, illustrating wood grain and specified finish.
- E. Samples: Submit two samples of wood trim, 12 inch long in size, illustrating wood grain and specified finish.

## 2.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
  - 1. Single Source Responsibility: Provide and install this work from single fabricator.

## 2.5 MOCK-UP

- A. Construct mock-up, 8 feet long by 3 feet height, illustrating full panel sheet, edge trim, joint trim, applied finish .
- B. Locate where directed.
- C. Mock-up may remain as part of the Work.

## 2.6 DELIVERY, STORAGE, AND HANDLING

- A. Protect work from moisture damage.
- B. Do not deliver wood materials to project site until building is fully enclosed and interior temperature and humidity are in accordance with recommendations of AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).

## PART 2 PRODUCTS

3

## 3.1 PANELING

- A. Flat Paneling:
  1. Basis of Design: VT Industris; Walnut Veneer, Heritage Collection
  2. Size: 24"x48" nom.
  3. Veneer Species: Walnut Veneer CL-18, Heritage Collection.
  4. Installation Method: Z-clips
  5. Substitutions: See Section 01 60 00-Product Requirements.

## 3.2 WOOD-BASED MATERIALS - GENERAL

- A. Hardwood Plywood: HPVA HP-1 Grade A; veneer core, type of glue recommended for application.

## 3.3 ADHESIVES AND FASTENERS

- A. Adhesives: Type suitable for intended purpose, complying with applicable air quality regulations.
- B. Fasteners: Of size and type to suit application;

## 3.4 FABRICATION

- A. Prepare panels for delivery to site, permitting passage through building openings.
- B. When necessary to cut and fit on site, provide materials with ample allowance for cutting and scribing.

## 3.5 SHOP FINISHING

- A. Sand work smooth and set exposed nails and screws.
- B. Apply wood filler in exposed nail and screw indentations.
- C. On items to receive transparent finishes, use wood filler that matches surrounding surfaces and is of type recommended for the applicable finish.

3

- D. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:
  1. Transparent:
    - a. System - 4, Latex Acrylic, Water-based.

- b. Stain: As selected by Architect.
- c. Sheen: Satin.

## PART 3 EXECUTION



## 4.1 EXAMINATION

- A. Verify that field measurements are as indicated on shop drawings.
- B. Verify adequacy of backing and support framing.
- C. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.

## 4.2 INSTALLATION

- A. Install work in accordance with manufacturer's installation instructions.
- B. Do not begin installation until wood materials have been fully acclimated to interior conditions.
- C. Set and secure materials and components in place, plumb and level, using concealed fasteners wherever possible.
- D. Where necessary to cut and fit on site, scribe work abutting other components. Do not use additional overlay trim to conceal gaps.
- E. Coordinate the installation of firestopping behind paneling.
- F. Set exposed fasteners, fill with wood filler, and finish to match panel finish.
- G. Touch up damaged finish to match original, using materials provided by fabricator; replace components that cannot be refinished like new.

## 4.3 TOLERANCES

- A. Maximum Variation from True Position: 1/16 inch.
- B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION 06 42 00

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Specification outline numbering  
has been revised.

## SECTION 08 14 16 - FLUSH WOOD DOORS

## PART 1 GENERAL

## 1.1 SECTION INCLUDES

- A. Flush wood doors; flush and flush glazed configuration; non-rated.

## 1.2 RELATED REQUIREMENTS

- A. Section 08 11 13 - Hollow Metal Doors and Frames.
- B. Section 08 71 00 - Door Hardware.
- C. Section 08 80 00 - Glazing.

## 1.3 REFERENCE STANDARDS

- A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014, with Errata (2018).
- B. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards, U.S. Version 3.1; 2017, with Errata (2019).

## 1.4 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Indicate door core materials and construction; veneer species, type and characteristics.
- C. Shop Drawings: Show doors and frames, elevations, sizes, types, swings, undercuts, beveling, blocking for hardware, factory machining, factory finishing, cutouts for glazing and other details.
- D. Samples: Submit two samples of door construction, 12 by 12 inches in size cut from top corner of door.
- E. Samples: Submit two samples of door veneer, 12 by 12 inches in size illustrating wood grain, stain color, and sheen.
- F. Certificate: Submit labels and certificates required by quality assurance and quality control programs.
- G. Manufacturer's Installation Instructions: Indicate special installation instructions.
- H. Manufacturer's Qualification Statement.
- I. Specimen warranty.
- J. Warranty, executed in Owner's name.

## 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Package, deliver and store doors in accordance with specified quality standard.
- B. Accept doors on site in manufacturer's packaging, and inspect for damage.
- C. Protect doors with resilient packaging sealed with heat shrunk plastic; do not store in damp or wet areas or areas where sunlight might bleach veneer; seal top and bottom edges with tinted sealer if stored more than one week, and break seal on site to permit ventilation.

## 1.6 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Interior Doors: Provide manufacturer's warranty for the life of the installation.
- C. Include coverage for delamination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.

## PART 2 PRODUCTS

## 2.1 MANUFACTURERS

- A. Wood Veneer Faced Doors:
  1. Masonite Architectural; Aspiro Select Wood Veneer Doors: [www.architectural.masonite.com/#sle](http://www.architectural.masonite.com/#sle).
  2. VT Industries, Inc: [www.vtindustries.com/#sle](http://www.vtindustries.com/#sle). (Basis-of-Design)
  3. Marshfield Door Systems: [www.marshfielddoors.com](http://www.marshfielddoors.com)
  4. Ampco Products, LLC; [www.ampco.com](http://www.ampco.com)

## 2.2 DOORS AND PANELS

- A. Doors: See drawings for locations and additional requirements.
  1. Quality Standard: Custom Grade, Extra Heavy Duty performance, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
  2. Wood Veneer Faced Doors: 5-ply unless otherwise indicated.
- B. Interior Doors: 1-3/4 inches thick unless otherwise indicated; flush construction.
  1. Provide solid core doors at each location.
  2. Wood veneer facing with factory transparent finish as indicated on drawings.

## 2.3 DOOR AND PANEL CORES

- A. Non-Rated Solid Core and 20 Minute Rated Doors: Type structural composite lumber core (SCLC), plies and faces as indicated.

3

## 2.4 DOOR FACINGS

- A. Veneer Facing for Transparent Finish: Walnut, HPVA Grade AA, plain sliced (flat cut), with book match between leaves of veneer, running match of spliced veneer leaves assembled on



door or panel face.

1. Veneer Selection: VT Industries, Clear CL18
2. Vertical Edges: Same species as face veneer.

3

## 2.5 DOOR CONSTRUCTION

- A. Fabricate doors in accordance with door quality standard specified.
- B. Cores Constructed with stiles and rails:
  1. Provide solid blocks at lock edge for hardware reinforcement.
  2. Provide solid blocking for other throughbolted hardware.
- C. Glazed Openings: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings.
- D. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.
- E. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.
- F. Provide edge clearances in accordance with the quality standard specified.

## 2.6 FINISHES - WOOD VENEER DOORS

- A. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:
  1. Transparent:
    - a. System - 4, Latex Acrylic, Water-based.
    - b. Stain: As selected by Architect.
    - c. Sheen: Satin.
- B. Factory finish doors in accordance with approved sample.
- C. Seal door top edge with clear water based sealer to match door facing.

## 2.7 ACCESSORIES

- A. Glazing: See Section 08 80 00.
- B. Glazing Stops: Wood, of same species as door facing, butted corners; prepared for countersink style tamper proof screws.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

3.2 PREPARATION

- A. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions and specified quality standard.
- B. Factory-Finished Doors: Do not field cut or trim; if fit or clearance is not correct, replace door.
- C. Use machine tools to cut or drill for hardware.
- D. Coordinate installation of doors with installation of frames and hardware.
- E. Coordinate installation of glazing.

3.4 TOLERANCES

- A. Comply with specified quality standard for fit and clearance tolerances.
- B. Comply with specified quality standard for telegraphing, warp, and squareness.

3.5 ADJUSTING

- A. Adjust doors for smooth and balanced door movement.
- B. Adjust closers for full closure.

3.6 SCHEDULE

- A. See Door and Frame Schedule on Sht A-8.01..

END OF SECTION 08 14 16

## SECTION 08 43 13 - ALUMINUM-FRAMED STOREFRONTS

## PART 1 GENERAL

## 1.1 SECTION INCLUDES

- A. Aluminum-framed storefront, with vision glass.
- B. Aluminum doors and frames.
- C. Weatherstripping.
- D. Door hardware.

## 1.2 RELATED REQUIREMENTS

- A. Section 07 25 00 - Weather Barriers: Sealing framing to weather barrier installed on adjacent construction.
- B. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.
- C. Section 08 71 00 - Door Hardware: Hardware items other than specified in this section.
- D. Section 08 80 00 - Glazing: Glass and glazing accessories.
- E. Section 12 24 00 - Window Shades: Attachments to framing members.

## 1.3 REFERENCE STANDARDS

- A. AAMA CW-10 - Care and Handling of Architectural Aluminum From Shop to Site; 2015.
- B. AAMA 501.2 - Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems; 2015.
- C. AAMA 609 & 610 - Cleaning and Maintenance Guide for Architecturally Finished Aluminum (Combined Document); 2015.
- D. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 2014 (2015 Errata).
- E. AAMA 1503 - Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections; 2009.
- F. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.
- G. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.
- H. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2013.

- I. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2019.
- J. ASTM E330/E330M - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference; 2014.
- K. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2016).

#### 1.4 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate with installation of other components that comprise the exterior enclosure.
- B. Preinstallation Meeting: Conduct a preinstallation meeting one week before starting work of this section; require attendance by all affected installers.

#### 1.5 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide component dimensions, describe components within assembly, anchorage and fasteners, glass and infill, door hardware, and internal drainage details.
- C. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related work, expansion and contraction joint location and details, and field welding required.
- D. Samples: Submit two samples 12 x 12 inches in size illustrating finished aluminum surface, glass, glazing materials.
- E. Manufacturer's Certificate: Certify that the products supplied meet or exceed the specified requirements.
- F. Hardware Schedule: Complete itemization of each item of hardware to be provided for each door, cross-referenced to door identification numbers in Contract Documents.
- G. Field Quality Control Submittals: Report of field testing for water penetration and air leakage.
- H. Manufacturer's Qualification Statement.
- I. Installer's Qualification Statement.
- J. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

#### 1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in performing work of type specified and with at least five years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience.

## 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Handle products of this section in accordance with AAMA CW-10.
- B. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

## 1.8 FIELD CONDITIONS

- A. Do not install sealants when ambient temperature is less than 40 degrees F. Maintain this minimum temperature during and 48 hours after installation.

## 1.9 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide five year manufacturer warranty against failure of glass seal on insulating glass units, including interpane dusting or misting. Include provision for replacement of failed units.
- C. Provide five year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

## PART 2 PRODUCTS

## 2.1 MANUFACTURERS

- A. Basis of Design: Tubelite, Inc; 14000 Series, Center Glaze; [www.tubeliteinc.com/#sle](http://www.tubeliteinc.com/#sle).
- B. Other Acceptable - Aluminum-Framed Storefronts Manufacturers:
  1. Oldcastle BuildingEnvelope; Series 3000, Center Glazed: [www.oldcastlebe.com/#sle](http://www.oldcastlebe.com/#sle)
  2. Kawneer North America; Tri-Fab 451 T, Center Glazed; [www.kawneer.com/#sle](http://www.kawneer.com/#sle).
  3. Substitutions: See Section 01 60 00 - Product Requirements.

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## 2.2 ALUMINUM-FRAMED STOREFRONT

- A. Aluminum-Framed Storefront: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
  1. Glazing Rabbet: For 1 inch insulating glazing.
  2. Glazing Position: Centered (front to back).
  3. Vertical Mullion Dimensions: 2 inches wide by 4-1/2 inches deep.
  4. Finish: Class I color anodized.
    - a. Factory finish all surfaces that will be exposed in completed assemblies.
  5. Finish Color: Dark bronze.
  6. Fabrication: Joints and corners flush, hairline, and weatherproof, accurately fitted and secured; prepared to receive anchors and hardware; fasteners and attachments concealed from view; reinforced as required for imposed loads.
  7. Construction: Eliminate noises caused by wind and thermal movement, prevent vibration harmonics, and prevent "stack effect" in internal spaces.
  8. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating

- moisture occurring within system.
9. Expansion/Contraction: Provide for expansion and contraction within system components caused by cycling temperature range of 170 degrees F over a 12 hour period without causing detrimental effect to system components, anchorages, and other building elements.
  10. Movement: Allow for movement between storefront and adjacent construction, without damage to components or deterioration of seals.
  11. Perimeter Clearance: Minimize space between framing members and adjacent construction while allowing expected movement.

### 2.3 Performance Requirements

- A. Wind Loads: Design and size components to withstand the specified load requirements without damage or permanent set, when tested in accordance with ASTM E330/E330M, using loads 1.5 times the design wind loads and 10 second duration of maximum load.
  1. Design Wind Loads: Comply with requirements of ASCE 7.
  2. Member Deflection: Limit member deflection to flexure limit of glass in any direction, with full recovery of glazing materials.
- B. Water Penetration Resistance on Manufactured Assembly: No uncontrolled water on interior face, when tested in accordance with ASTM E331 at pressure differential of 10 psf.
- C. Air Leakage: 0.06 cfm/sq ft maximum leakage of storefront wall area when tested in accordance with ASTM E283/E283M at 1.57 psf pressure difference.
- D. Condensation Resistance Factor of Framing: 50, minimum, measured in accordance with AAMA 1503.

### 2.4 COMPONENTS

- A. Basis of Design: Standard Wide Style Entrance Framing: Tubelite, Inc; [www.tubeliteinc.com/#sle](http://www.tubeliteinc.com/#sle).
- B. Aluminum Framing Members: Tubular aluminum sections, thermally broken with interior section insulated from exterior, drainage holes and internal weep drainage system.
  1. Framing members for interior applications need not be thermally broken.
  2. Glazing Stops: Flush.
  3. Glazing Thickness: 1"
- C. Glazing: As specified in Section 08 80 00.
- D. Swing Doors: Glazed aluminum.
  1. Thickness: 1-3/4 inches.
  2. Top Rail: 6 inches wide.
  3. Vertical Stiles: 6 inches wide.
  4. Bottom Rail: 10 inches wide.
  5. Intermediate Rails: 6 inches wide.
  6. Glazing Stops: Square.
  7. Finish: Same as storefront.

## 2.5 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M).
- B. Fasteners: Stainless steel.
- C. Sill Flashing Sealant: Elastomeric, silicone or polyurethane, compatible with flashing material.
- D. Glazing Gaskets: Type to suit application to achieve weather, moisture, and air infiltration requirements.
- E. Glazing Accessories: As specified in Section 08 80 00.

## 2.6 FINISHES

- A. Class I Color Anodized Finish: AAMA 611 AA-M12C22A44 Electrolytically deposited colored anodic coating not less than 0.7 mils thick.
- B. Color: Dark bronze.

## 2.7 HARDWARE

- A. For each door, include weatherstripping, sill sweep strip, and threshold.
- B. Weatherstripping: Wool pile, continuous and replaceable; provide on all doors.
- C. Sill Sweep Strips: Resilient seal type, retracting, of neoprene; provide on all doors.
- D. Threshold: Extruded aluminum, one piece per door opening, ribbed surface; provide on all doors.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- C. Provide alignment attachments and shims to permanently fasten system to building structure.
- D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- E. Provide thermal isolation where components penetrate or disrupt building insulation.
- F. Install sill flashings. Turn up ends and edges; seal to adjacent work to form water tight dam.
- G. Where fasteners penetrate sill flashings, make watertight by seating and sealing fastener heads to sill flashing.

- H. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- I. Set thresholds in bed of sealant and secure.
- J. Install hardware using templates provided.
- K. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

### 3.2 TOLERANCES

- A. Maximum Variation from Plumb: 0.06 inch per 3 feet non-cumulative or 0.06 inch per 10 feet, whichever is less.
- B. Maximum Misalignment of Two Adjoining Members Abutting in Plane: 1/32 inch.

### 3.3 FIELD QUALITY CONTROL

- A. Provide services of storefront manufacturer's field representative to observe for proper installation of system and submit report.
- B. See Section 01 40 00 - Quality Requirements, for general testing and inspection requirements.
- C. Water-Spray Test: Provide water spray quality test of installed storefront components in accordance with AAMA 501.2 during construction process and before installation of interior finishes.
  - 1. Perform a minimum of two tests in each designated area as directed by Architect.
  - 2. Conduct tests in each area prior to 10 percent and 50 percent completion of this work.
- D. Repair or replace storefront components that have failed designated field testing, and retest to verify performance complies with specified requirements.

### 3.4 ADJUSTING

- A. Adjust operating hardware and sash for smooth operation.

### 3.5 CLEANING

- A. Remove protective material from pre-finished aluminum surfaces.
- B. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths, and take care to remove dirt from corners and to wipe surfaces clean.
- C. Upon completion of installation, thoroughly clean aluminum surfaces in accordance with AAMA 609 & 610.

### 3.6 PROTECTION

- A. Protect installed products from damage until Date of Substantial Completion.

END OF SECTION

ALUMINUM-FRAMED  
STOREFRONTS



**SECTION 08 56 53 - SECURITY WINDOWS****PART 1 GENERAL****1.01 SECTION INCLUDES**

- 3  A. Interior Bullet Resistant Transaction Barriers.

**1.02 RELATED REQUIREMENTS**

- A. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.
- B. Section 09 91 23 - Interior Painting: Field painting.

**1.03 REFERENCE STANDARDS**

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum 2014 (2015 Errata).
- B. ASTM A36/A36M - Standard Specification for Carbon Structural Steel 2014.
- C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2020.
- D. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar 2015.
- E. ASTM A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Required Hardness, Solution Hardened, and Bake Hardenable 2020.
- F. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes 2014.
- G. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric) 2013.
- H. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements 2009 (Reapproved 2016).
- I. ASTM E329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection 2020.
- J. ASTM E413 - Classification for Rating Sound Insulation 2016.
- K. ASTM F588 - Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact 2017.
- L. ASTM F1233 - Standard Test Method for Security Glazing Materials And Systems 2008 (Reapproved 2019).
- M. SSPC-Paint 20 - Zinc-Rich Primers (Type I, "Inorganic," and Type II, "Organic") 2002 (Ed. 2004).
- N. SSPC-SP 5 - White Metal Blast Cleaning 2007.
- O. UL (DIR) - Online Certifications Directory Current Edition.
- P. UL 752 - Standard for Bullet-Resisting Equipment Current Edition, Including All Revisions.

**1.04 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's published data showing materials, construction details, dimensions of components, and finishes. For each type of glass and window.
- C. Shop Drawings: Drawings prepared specifically for this project, showing plans, elevations, sections, details of construction, anchorage to other work, hardware, and glazing.

1. For existing openings show verified field dimensions.
  2. For new work show required opening dimensions and allowance for field deviation.
  3. For field glazed windows, include detailed instructions for glazing installation.
- D. Test Reports: Test reports for specific window model and glazing to be furnished, showing compliance with specified requirements; window and glazing may be tested separately, provided window test sample adequately simulates the glazing to be used.
1. Include testing agency qualifications.
  2. For structural, forced entry, and ballistic tests, provide details on method of anchorage to test frame.
  3. Reports for thermal requirements may be based on calculations, in accordance with the specified standard.
- E. Samples for Selection of Applied Finishes: Color charts for factory finishes.
- F. Samples of Color Anodized Finishes: Frame member sections showing range of color to be expected in finished work.
- G. Samples:
1. Actual sections of frame members, at least 12 inch long, showing finish, weatherstripping, and fasteners.
  2. Samples of each type of hardware and operator.
- H. Coordination Drawings: For each window opening, show locations and details of items necessary to anchor windows that must be installed by others, in sufficient detail that installer of those items can do so correctly without reference to the actual window itself.
- I. Manufacturer's Qualification Statement.
- J. Installer's Qualification Statement.
- K. For Tool-Resisting Steel Bars: Material test reports.
- L. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
1. See Section 01 6000 - Product Requirements, for additional provisions.
  2. Extra Security Fasteners: At least one box for every 50 boxes, or fraction thereof, of each type and size installed; provide products matching those installed, packaged and labeled.
  3. Tool Kit: 6 sets of tools for security fasteners.

#### **1.05 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Firm with at least 5 years experience in the manufacture of windows of the type specified and able to provide test reports showing that their standard manufactured products meet the specified requirements; custom designed products not acceptable.
- B. Testing Agency Qualifications: Independent testing agency able to show experience in conducting tests of the type specified and:
1. Qualified according to ASTM E329 for testing tool-resisting steel.
  2. Accredited by NFRC for thermal testing.
- C. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.
- D. Welder Qualifications: Qualified in accordance with AWS procedures for type of welding required.

#### **1.06 WARRANTY**

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Provide manufacturer's warranty agreeing to repair or replace windows and window components that fail within three years after Date of Substantial Completion due to, but not limited to, the following:
1. Structural failure, failure of welds, and deterioration of metals and finishes beyond that

- expected under detention use and normal weathering.
- 2. Failure of glazing due to excessive deflection of supporting members under wind load.
- 3. Air leakage exceeding performance specified.
- 4. Faulty operation of ventilators, hardware, and operators.

## PART 2 PRODUCTS

### 201 MANUFACTURERS

- 3 A. Interior Bullet Resistant Transaction Barriers
1. Covenant Security Equipment: <https://covenantsecurityequipment.com/>
  2. Substitutions: See Section 01 6000-Product Requirements.
- B. Security Fasteners:
1. Acument Global Technologies: [www.acument.com/#sle](http://www.acument.com/#sle).
  2. Safety Socket Screw Corporation: [www.safetysocket.com/#sle](http://www.safetysocket.com/#sle).
  3. Tamperproof Screw Co, Inc: [www.tamperproof.com/#sle](http://www.tamperproof.com/#sle).
  4. Tamper-Pruf Screws, Inc: [www.tamper-pruf-screws.com/#sle](http://www.tamper-pruf-screws.com/#sle).
  5. Substitutions: See Section 01 6000 - Product Requirements.
- C. Provide windows from a single manufacturer.

### 202 ASSEMBLIES

- A. Security and Detention Windows:
1. Dimensions, profiles, features, and performance specified and indicated on drawings are required; do not deviate unless specifically approved by Architect under substitution procedures specified in Section 01 6000.
  2. Design to fit openings indicated on drawings; design to accommodate deviation of actual construction from dimensions indicated on drawings.
  3. Fabricate frames and sash with corners mitered or coped full depth with concealed welded joints.
  4. Design anchorages to provide performance equivalent to that required for window unit; provide anchorages at least equivalent to those by which the tested units were anchored to the test frame.
  5. Design interface between frame and adjacent construction so that gap between them has at least the equivalent performance as specified for window; coordinate with anchorage requirements; custom testing is not required.
  6. Separate dissimilar metals to prevent corrosion by galvanic action by painting contact surfaces with primer or with sealant or tape recommended by manufacturer for the purpose.
  7. Weld components before finishing and in concealed locations, to greatest extent possible; minimize distortion and discoloration of finish; remove residue of welding; grind exposed welds smooth and finish to match.
  8. Label units to indicate which side is which, such as inside/outside or secure/non-secure; use labels that are removable after installation but durable enough not to be lost during delivery, storage, handling, and installation.

### 203 INTERIOR BULLET RESISTANT TRANSACTION BARRIERS

- 3 A. Security Barrier: Fixed laminated security glass.
1. Location: Lobby 100 Transaction counters.
  2. Type of Use: Walk-up.
  3. Ballistic Resistance: Tested to meet UL 752, Level 3.
  4. Barrier Type: Fixed.
  5. Framing: Bronze Anodized aluminum
  6. Deal Tray: Type BR – Square

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7. Speaker: SC-100 Amplified
8. Model No.: QS-TWI
9. Manufacturers:
  - a. Covenant Security Equipment;  
<https://covenantsecurityequipment.com/>
10. Glazing: Single (monolithic), clear, and ballistic resistant.
  - a. Basis of Design: 1 ¼" Clear Acrylic – L3

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~~204. NOT USED~~**205 ASSEMBLY COMPONENTS**

- A. Formed Steel Framing: ASTM A1008/A1008M, Designation CS (commercial steel), cold-rolled steel sheet; 12 gauge, 0.1046 inch minimum thickness.
- B. Galvannealed Formed Steel Framing: ASTM A653/A653M galvannealed to A60/ZF180 coating; 12 gauge, 0.1046 inch minimum base metal thickness.
- C. Rolled Steel Framing: ASTM A36/A36M steel shapes, plates, and bars.
- D. Stainless Steel Framing: ASTM A666, Type 304; 14 gauge, 0.0781 inch minimum thickness.
- E. Aluminum Framing: ASTM B221 (ASTM B221M) extrusions of alloy and temper selected by manufacturer for strength, corrosion resistance, and finish required; not less than 1/8 inch thick at any location of frame and sash members.
- F. Frame Anchors: Mild steel plates, shapes, or bars, concealed in completed construction; provide anchorage devices as necessary to securely fasten windows to adjacent construction; use security fasteners for exposed anchors.
  1. Provide minimum of two anchors per side of window plus one additional anchor for each 18 inches or fraction thereof more than 36 inches in height or width.
- G. Muntins: Same materials and construction as sash and frame members.
- H. Glazing Seals: Factory installed; molded EPDM or neoprene compressible gaskets and compression strips.
- I. Security Fasteners: Operable only by tools produced by fastener manufacturer or manufacturer's licensee; head style appropriate to installation conditions, strength, and finish of materials being fastened; use countersunk heads wherever possible.
  1. Drive System: Use not more than one of the following:
    - a. 5-lobe Torx Plus socket head with security pin.
    - b. Standard Torx socket head with security pin.
    - c. Hex socket head with security pin.
    - d. Phillips head with security pin.
    - e. Two-hole drilled spanner head.
    - f. Notched spanner head.
    - g. One-way screw head.
  2. On Steel: Heat-treated alloy steel, with zinc chromate coating at exterior locations and interior wet locations.
  3. On Stainless Steel: Stainless steel, Type 304.
- J. Deal Trays: Formed stainless steel, recessed into counter or sill for mounting under glazing frame.
  1. Style: Ricochet-resistant, with recessed bullet trap on secure side.
  2. Clear Opening Height: 1-1/2 inches.
  3. Tray Dimensions: 12 by 8 inches, wide by deep.
  4. Listed and labeled by UL as bullet resisting to UL 752 Level 3.
- K. Speaking Aperture Covers: Acrylic backer, round, allowing passage of speech at normal volume without distortion; listed and labeled by UL (DIR) as bullet resisting to UL 752, Level 3.

- L. Sealant for Setting Sills and Sill Flashing: Non-curing butyl type.

## **206 FINISHES**

- A. Class I Natural Anodized Finish: AAMA 611 AA-M12C22A41 Clear anodic coating not less than 0.7 mils thick.
- B. Primed Finish on Galvannealed Steel:
  - 1. Cleaned free of oils and contaminants using nonpetroleum solvent.
  - 2. Abraded areas touched up with high-zinc-dust-content paint complying with SSPC-Paint 20.
  - 3. Primer compatible with specified top coats.
- C. Primed Finish on Steel:
  - 1. Cleaned using white metal blast cleaning as specified in SSPC-SP 5.
  - 2. Zinc phosphate pretreatment; lead- and chromate-free corrosion resistant primer compatible with a wide range of field-applied top coats.
- D. Polished Stainless Steel Finish:
  - 1. Polished as specified, without tool or die marks, stretch lines, or scratches, with grain running in long dimension of each piece.
  - 2. Passivated, rinsed, and chemically clean.

## **PART 3 EXECUTION**

### **301 EXAMINATION**

- A. Verify that window openings are ready for installation of windows.
- B. Verify that correct embedded anchors are in place and in proper location; repair or replace anchors as required to achieve satisfactory installation.
- C. Notify Architect if conditions are not suitable for installation of windows; do not proceed until conditions are satisfactory.

### **302 INSTALLATION**

- A. Install in accordance with manufacturer's instructions and drawing details.
- B. Install windows in correct orientation (inside/outside or secure/non-secure).
- C. Anchor windows securely in manner so as to achieve performance specified.
- D. Separate metal members from concrete and masonry using bituminous paint.
- E. Set sill members and sill flashing in continuous bead of sealant.
- F. Windows Not Factory-Glazed: Complete field painting before installation of glazing.

### **303 ADJUSTING**

- A. Adjust operating components for smooth operation while also providing tight fit at contact points and a secure enclosure; lubricate operating hardware.

### **304 CLEANING**

- A. Clean exposed surfaces promptly after installation without damaging finishes.
- B. Remove and replace defective work.

### **305 CLOSEOUT ACTIVITIES**

- A. Demonstrate operation and maintenance to designated Owner personnel.

**END OF SECTION**



## SECTION 09 30 00 - TILING

## PART 1 GENERAL

## 1.1 SECTION INCLUDES

- A. Tile for floor applications.
- B. Tile for wall applications.
- C. Waterproofing and crack isolation membranes.
- D. Tile for counters.
- E. Non-ceramic trim.
- F. Setting materials.
- G. Grout.

## 1.2 RELATED REQUIREMENTS

- A. Section 066100 - Shower Surrounds.
- B. Section 07 92 00 - Joint Sealants: Sealing joints between tile work and adjacent construction and fixtures.
- C. Section 09 21 16 - Gypsum Board Assemblies: Tile backer board.
- D. Section 224200 - Commercial Plumbing Fixtures.

## 1.3 REFERENCE STANDARDS

- A. ANSI A108.1a - American National Standard Specifications for Installation of Ceramic Tile in the Wet-Set Method, with Portland Cement Mortar; 2017.
- B. ANSI A108.1b - American National Standard Specifications for Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar; 2017.
- C. ANSI A108.1c - Contractor's Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar; 1999 (Reaffirmed 2021).
- D. ANSI A108.2 - American National Standard General Requirements: Materials, Environmental and Workmanship; 2019.
- E. ANSI A108.4 - American National Standard Specifications for Installation of Ceramic Tile with Organic Adhesive or Water Cleanable Tile-Setting Epoxy Adhesive; 2019.
- F. ANSI A108.5 - American National Standard Specifications for Installation of Ceramic Tile with Dry-Set Portland Cement Mortar or Latex-Portland Cement Mortar; 2021.

- G. ANSI A108.6 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile-Setting and -Grout Epoxy; 1999 (Reaffirmed 2019).
  - H. ANSI A108.8 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant Furan Resin Mortar and Grout; 1999 (Reaffirmed 2019).
  - I. ANSI A108.9 - American National Standard Specifications for Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout; 1999 (Reaffirmed 2019).
  - J. ANSI A108.10 - American National Standard Specifications for Installation of Grout in Tilework; 2017 (Reaffirmed 2022).
  - K. ANSI A108.12 - American National Standard for Installation of Ceramic Tile with EGP (Exterior Glue Plywood) Latex-Portland Cement Mortar; 1999 (Reaffirmed 2019).
  - L. ANSI A108.13 - American National Standard for Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone; 2005 (Reaffirmed 2016).
  - M. ANSI A108.19 - American National Standard Specifications for Interior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs by the Thin-Bed Method Bonded with Modified Dry-Set Cement Mortar or Improved Modified Dry-Set Cement Mortar; 2017.
  - N. ANSI A108.20 - American National Standard Specifications for Exterior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs; 2020.
  - O. ANSI A118.7 - American National Standard Specifications for High Performance Cement Grouts for Tile Installation; 2010 (Reaffirmed 2016).
  - P. ANSI A118.10 - American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes For Thin-Set Ceramic Tile And Dimension Stone Installation; 2014.
  - Q. ANSI A118.12 - American National Standard Specifications for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation; 2014.
  - R. ANSI A118.15 - American National Standard Specifications for Improved Modified Dry-Set Cement Mortar; 2012.
  - S. ANSI A137.1 - American National Standard Specifications for Ceramic Tile; 2022.
  - T. ASTM C373 - Standard Test Methods for Determination of Water Absorption and Associated Properties by Vacuum Method for Pressed Ceramic Tiles and Glass Tiles and Boil Method for Extruded Ceramic Tiles and Non-tile Fired Ceramic Whiteware Products; 2018.
  - U. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation; 2019.
- 1.4 ADMINISTRATIVE REQUIREMENTS
- A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by affected installers.
- 1.5 SUBMITTALS
- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

- B. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, waterproofing membrane and accessories. Include instructions for using grouts and adhesives.
- C. Shop Drawings: Indicate tile layout, patterns, color arrangement, perimeter conditions, junctions with dissimilar materials, control and expansion joints, thresholds, ceramic accessories, and setting details.
- D. Verification Samples:
  - 1. Tile: One (1) full size unit for each type.
  - 2. Metal Edge Trims: One (1) 6 inch (152 mm) long unit for each type representing profile and finish.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- F. Master Grade Certificate: Submit for each type of tile, signed by the tile manufacturer and tile installer.
- G. Installer's Qualification Statement:
  - 1. Submit documentation of National Tile Contractors Association (NTCA) or Tile Contractors' Association of America (TCAA) accreditation.
  - 2. Submit documentation of completion of apprenticeship and certification programs.
- H. Maintenance Data: Include recommended cleaning methods, cleaning materials, and stain removal methods.
- I. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
  - 2. Extra Tile: 5 percent of each size, color, and surface finish combination.

## 1.6 PERFORMANCE

- A. Dynamic Coefficient of Friction: For tile installed on level interior spaces expected to be walked on when wet as determined by testing per ANSI 137.1 - A326.3.
  - 1. Level Surfaces: Minimum greater than or equal to 0.42.

## 1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, with minimum five years of documented experience.
- B. Installer Qualifications:
  - 1. Company specializing in performing tile installation, with minimum of five years of documented experience.
    - a. Accredited Five-Star member of the National Tile Contractors Association (NTCA) or Trowel of Excellence member of the Tile Contractors' Association of America (TCAA).
  - 2. Installer Certification:
    - a. Ceramic Tile Education Foundation (CTEF): Certified Tile Installer (CTI).
    - b. Apprenticeship Program: Installer has achieved Journeyworker status through an apprenticeship from the International Union of Bricklayers and Allied Craftworkers (IUBAC) or a U.S. Department of Labor (DOL)-recognized program.



## 1.8 MOCK-UPS

- A. See Section 01 40 00 - Quality Requirements for general requirements for mock-up.
- B. Construct tile mock-up, incorporating all components specified for the location.
  - 1. Minimum size of mock-up as required to convey all components.
  - 2. Approved mock-up may remain as part of work if undisturbed at time of Substantial Completion.

## 1.9 DELIVERY, STORAGE, AND HANDLING

- A. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

## 1.10 FIELD CONDITIONS

- A. Do not install solvent-based products in an unventilated environment.
- B. Maintain ambient and substrate temperature above 50 degrees F and below 100 degrees F during installation and curing of setting materials.

## PART 2 PRODUCTS

## 2.1 TILE

- A. Manufacturers: As shown in drawings .
  - 1. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Porcelain Tile: ANSI A137.1 standard grade.
  - 1. Moisture Absorption: 0 to 0.5 percent as tested in accordance with ASTM C373.
  - 2. Size: As indicated on drawings.
  - 3. Edges: Square.
  - 4. Surface Finish: As indicated on drawings..
  - 5. Color(s): As indicated on drawings.
  - 6. Pattern: As indicated on drawings.
  - 7. Trim Units: Matching bullnose, cove base, and cove shapes in sizes coordinated with field tile, as indicated on drawings.

## 2.2 TRIM AND ACCESSORIES

- A. Non-Ceramic Trim: style and dimensions as indicated on drawings, for setting using tile mortar or adhesive.
  - 1. Applications, whether indicated in drawings or not:
    - a. Wing wall outside corners where tile is scheduled.
    - b. Floor-to-wall joints, where porcelain cove base not indicated.
  - 2. Manufacturers:
    - a. Schluter-Systems (Basis of Design): [www.schluter.com](http://www.schluter.com).
    - b. Substitutions: See Section 01 60 00 - Product Requirements.
  - 3. Color: Satin Bronze

### 2.3 WATERPROOFING AND CRACK ISOLATION MEMBRANE

- A. Manufacturers:
  - 1. MAPEI Corporation (Basis of Design): [www.mapei.com](http://www.mapei.com).
  - 2. Substitutions: See Section 016000 - Product Requirements.
- B. Waterproofing and Crack Isolation Membrane at Floors: Specifically designed for bonding to cementitious substrate under thick mortar bed or thin-set tile; complying with ANSI A118.10.
  - 1. Crack Resistance: No failure at 1/16 inch gap, minimum; comply with ANSI A118.12.
  - 2. Roller of Brush Applied Type with Embedded Reinforcing Fabric:
    - a. Material: Synthetic rubber.
    - b. Thickness: 25 mils, minimum, dry film thickness.
  - 3. Products:
    - a. MAPEI Corporation; Mapelastic AquaDefense (Basis of Design): [www.mapei.com](http://www.mapei.com).

### 2.4 SETTING MATERIALS

- A. Manufacturers:
  - 1. Custom Building Products: [www.custombuildingproducts.com](http://www.custombuildingproducts.com).
  - 2. LATICRETE International, Inc: [www.laticrete.com](http://www.laticrete.com).
  - 3. MAPEI Corporation (Basis of Design): [www.mapei.com](http://www.mapei.com).
- B. Improved Latex-Portland Cement Mortar Bond Coat: ANSI A118.15.
  - 1. Applications: Use this type of bond coat where Large and Heavy Tile (LHT) mortar is indicated.
  - 2. For wall applications, provide mortar that complies with requirements for non-sagging mortar in addition to their requirements in ANSI A118.15.
  - 3. Products:
    - a. Custom Building Products; Complete Contact-LFT Premium Rapid Setting Large Format Tile Mortar, with Multi-Surface Bonding Primer: [www.custombuildingproducts.com](http://www.custombuildingproducts.com).
    - b. LATICRETE International, Inc; MULTIMAX LITE: [www.laticrete.com](http://www.laticrete.com).
    - c. MAPEI Corporation; Ultraflex LHT (Basis of Design): [www.mapei.com](http://www.mapei.com).
- C. Mortar Bed Materials: Pre-packaged mix of Portland cement, sand, latex additive, and water.

### 2.5 GROUTS

- A. Manufacturers:
  - 1. Custom Building Products: [www.custombuildingproducts.com](http://www.custombuildingproducts.com).
  - 2. LATICRETE International, Inc: [www.laticrete.com](http://www.laticrete.com).
  - 3. MAPEI Corporation (Basis of Design): [www.mapei.com](http://www.mapei.com).
- B. High Performance Polymer Modified Grout: ANSI A118.7 polymer modified cement grout.
  - 1. Applications: Use this type of grout at all locations.
  - 2. Color(s): Selected by Architect from Manufacturer's full range of colors..
  - 3. Products:
    - a. Custom Building Products: [www.custombuildingproducts.com](http://www.custombuildingproducts.com).
    - b. LATICRETE International, Inc: [www.laticrete.com](http://www.laticrete.com).

- c. MAPEI Corporation; Flexcolor CQ (Basis of Design): [www.mapei.com](http://www.mapei.com).

## 2.6 Maintenance Materials

- A. Tile Sealant: Gunnable, silicone, siliconized acrylic, or urethane sealant; moisture and mildew resistant type.
  - 1. Applications: Between tile and plumbing fixtures.
  - 2. Color(s): As selected by Architect from manufacturer's full line.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.
- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.
- C. Verify that subfloor surfaces are dust free and free of substances that could impair bonding of setting materials to subfloor surfaces.
- D. Verify that required floor-mounted utilities are in correct location.

### 3.2 PREPARATION

- A. Protect surrounding work from damage.
- B. Vacuum clean surfaces and damp clean.
- C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.

### 3.3 INSTALLATION - GENERAL

- A. Install tile and thresholds and grout in accordance with applicable requirements of ANSI A108.1a through ANSI A108.20, manufacturer's instructions, and TCNA (HB) recommendations.
- B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
- D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.
- E. Install non-ceramic trim in accordance with manufacturer's instructions.
- F. Sound tile after setting. Replace hollow sounding units.
- G. Keep control and expansion joints free of mortar, grout, and adhesive.
- H. Prior to grouting, allow installation to completely cure; minimum of 48 hours.

- I. Grout tile joints unless otherwise indicated. Use polymer modified unless otherwise indicated .

### 3.4 INSTALLATION - WATERPROOFING AND CRACK ISOLATION MEMBRANE

- A. Install in accordance with manufacturer's written instructions to produce membrane of uniform thickness that is bonded securely to substrate.
- B. Allow membrane to cure and verify by testing that is is watertight before installing tile, setting materials or shower panels over it.
- C. Application:
  - 1. At Restrooms, Shower Rooms and Decontamination: Entire floor (including shower stalls) and turned up walls to a height of 8 inches (203 mm) minimum after floor finish.
  - 2. At Shower Stalls: Full height up to ceilings.

### 3.5 INSTALLATION - FLOORS - THIN-SET METHODS

- A. Over interior concrete substrates, install in accordance with TCNA (HB) Method F113, dry-set or latex-Portland cement bond coat, with polymer modified grout, unless otherwise indicated.
  - 1. Where waterproofing membrane is indicated, install in accordance with TCNA (HB) Method F122, with latex-Portland cement grout.
  - 2. Where epoxy or furan grout is indicated, but not epoxy or furan bond coat, install in accordance with TCNA (HB) Method F115.

### 3.6 INSTALLATION - WALL TILE

- A. Over cementitious backer units on studs, install in accordance with TCNA (HB) Method W244.

### 3.7 CLEANING

- A. Clean tile and grout surfaces.

### 3.8 PROTECTION

- A. Do not permit traffic over finished floor surface for 4 days after installation.

### 3.9 SCHEDULE (As indicated on Drawings)

END OF SECTION

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## SECTION 09 91 23 - INTERIOR PAINTING

## PART 1 GENERAL

## 1.1 SECTION INCLUDES

- A. Surface preparation.
- B. Field application of paints.
- C. Scope: Finish interior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated, including the following:
  - 1. Both sides and edges of plywood backboards for electrical and telecom equipment before installing equipment.
  - 2. Mechanical and Electrical:
    - a. In finished areas, paint insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports, mechanical equipment, and electrical equipment, unless otherwise indicated.
    - b. In all areas, paint shop-primed items.
- D. Do Not Paint or Finish the Following Items:
  - 1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
  - 2. Items indicated to receive other finishes.
  - 3. Items indicated to remain unfinished.
  - 4. Fire rating labels, equipment serial number and capacity labels, bar code labels, and operating parts of equipment.
  - 5. Stainless steel, anodized aluminum, bronze, terne-coated stainless steel, and lead items.
  - 6. Floors, unless specifically indicated.
  - 7. Ceramic and other tiles.
  - 8. Brick, architectural concrete, cast stone, integrally colored plaster, and stucco.
  - 9. Glass.
  - 10. Acoustical materials, unless specifically indicated.
  - 11. Concealed pipes, ducts, and conduits.

## 1.2 RELATED REQUIREMENTS

- A. Section 05 50 00 - Metal Fabrications: Shop-primed items.
- B. Section 09 91 13 - Exterior Painting.

## 1.3 REFERENCE STANDARDS

- A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.
- B. ASTM D4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Based Materials; 2020.
- C. MPI (APL) - Master Painters Institute Approved Products List; Master Painters and Decorators Association; Current Edition.

- D. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual; Current Edition.
- E. SSPC-SP 1 - Solvent Cleaning; 2015, with Editorial Revision (2016).
- F. SSPC-SP 2 - Hand Tool Cleaning; 2018.
- G. SSPC-SP 6 - Commercial Blast Cleaning; 2007.

#### 1.4 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide complete list of products to be used, with the following information for each:
  - 1. Manufacturer's name, product name and/or catalog number, and general product category (e.g., "alkyd enamel").
  - 2. MPI product number (e.g., MPI #47).
  - 3. Cross-reference to specified paint system products to be used in project; include description of each system.
  - 4. Manufacturer's installation instructions.
- C. Samples: Submit three paper "draw down" samples, 8-1/2 by 11 inches in size, illustrating range of colors available for each finishing product specified.
  - 1. Where sheen is specified, submit samples in only that sheen.
  - 2. Where sheen is not specified, discuss sheen options with Architect before preparing samples, to eliminate sheens not required.
  - 3. Paint color submittals will not be considered until color submittals for major materials not to be painted, such as masonry, have been approved.
- D. Certification: By manufacturer that paints and finishes comply with VOC limits specified.
- E. Manufacturer's Instructions: Indicate special surface preparation procedures.
- F. Maintenance Data: Submit data including finish schedule showing where each product/color/finish was used, product technical data sheets, material safety data sheets (MSDS), care and cleaning instructions, touch-up procedures, repair of painted and finished surfaces, and color samples of each color and finish used.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
  - 2. Extra Paint and Finish Materials: 1 gal of each color; from the same product run, store where directed.
  - 3. Label each container with color in addition to the manufacturer's label.

#### 1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum five years documented experience.

#### 1.6 MOCK-UP

- A. See Section 01 40 00 - Quality Requirements, for general requirements for mock-up.

- B. Provide panel, 10 feet long by 10 feet wide, illustrating paint color, texture, and finish.
- C. Provide door and frame assembly illustrating paint color, texture, and finish.
- D. Locate where directed by Architect.
- E. Mock-up may remain as part of the work.

#### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

#### 1.8 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- C. Minimum Application Temperatures for Paints: 50 degrees F for interiors unless required otherwise by manufacturer's instructions.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Provide paints and finishes used in any individual system from the same manufacturer; no exceptions.

- B. Paints:
  - 1. PPG Paints: [www.ppgpaints.com](http://www.ppgpaints.com); (Basis of Design):
  - 2. Behr Process Corporation: [www.behr.com](http://www.behr.com).
  - 3. Sherwin-Williams Company; [www.sherwin-williams.com](http://www.sherwin-williams.com).
  - 4. Vista Paint Corporation: [www.vistapaint.com](http://www.vistapaint.com).

- C. Substitutions: Not permitted.

#### 2.2 PAINTS AND FINISHES - GENERAL

- A. Paints and Finishes: Ready-mixed, unless intended to be a field-catalyzed paint.
  - 1. Where MPI paint numbers are specified, provide products listed in Master Painters Institute Approved Product List, current edition available at [www.paintinfo.com](http://www.paintinfo.com), for specified MPI categories, except as otherwise indicated.



2. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
3. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
4. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color.
5. Supply each paint material in quantity required to complete entire project's work from a single production run.
6. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.

B. Volatile Organic Compound (VOC) Content:

1. Provide paints and finishes that comply with the most stringent requirements specified in the following:
  - a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.

C. Flammability: Comply with applicable code for surface burning characteristics.

D. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line.

E. Colors: As indicated on drawings.

1. In finished areas, pipes, ducts, conduit, and equipment to be painted PPG1001-7 "Black Magic".

2.3 PAINT SYSTEMS - INTERIOR

A. Paint I-OP - Interior Surfaces to be Painted, Unless Otherwise Indicated: Including gypsum board, concrete masonry units, wood, uncoated steel, shop primed steel, and galvanized steel.

B. Gypsum Board Office Walls, Latex Eggshell Finish, 3 Coats:

1. One coat of B28W2600, ProMar 200 Zero VOC Interior Latex Primer.
2. Eggshell: Two coats of B20-2600 Series, ProMar 200 Zero VOC Interior Latex Eggshell.

C. Wood, Opaque, Latex, 3 Coats:

1. One coat of SW B28W8111, Premium Wall & Wood Interior Latex Primer
2. Semi-Gloss: Two coats of SW B34W8251, ProMar 200 Waterbased Acrylic-Alkyd Semi-Gloss.

D. Wood, Transparent: Not Used

E. Ferrous Metals (doors, frames, & handrails), Unprimed, Latex, 3 Coats:

1. One coat of SW B66-1300 Series, Pro-Cryl Universal Water Based Primer.
2. Semi-gloss: Two coats of B53-1150 Series, WB Alkyd Urethane Enamel Semi-Gloss.

F. CMU Walls, Latex, 3 Coats:

1. One coat SW B42W150 Pro Industrial Heavy Duty Block Filler.

2. Eggshell: Two coats of SW K45W01100 Series, Pre-Catalyzed Water-based Epoxy Eggshell.
- G. Steel, Opaque in Maintenance Bays, High Performance Coating, 3 Coats:
1. Touch up shop primer with SW B66-310 Series, Pro-Cryl Universal Water Based Primer.
  2. Semi-Gloss: Two coats of SW Sher-Loxane 800 at 4-6 mild dry film thickness per coat.
- H. Fabrics/Insulation Jackets, Latex, 3 Coat:
1. One coat of SW B66-310 Series, Pro-Cryl Universal Water Based Primer.
  2. Semi-gloss: Two coats of B66-650 Series, Pro Industrial Acrylic Semi-Gloss.
- I. Metal Decking, Roof Joists, Associated Structure, and Metal Ductwork (where indicated) DryFall Finish, Latex Flat, 2 Coat:
1. Flat: Two coats of B42W181, Pro Industrial Waterborne Acrylic DryFall Flat. (possible primer if rusting is present)

#### 2.4 ACCESSORY MATERIALS

- A. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.
- B. Patching Material: Latex filler.
- C. Fastener Head Cover Material: Latex filler.

### PART 3 EXECUTION

#### 3.1 EXAMINATION

- A. Do not begin application of paints and finishes until substrates have been adequately prepared.
- B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- D. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- E. Test shop-applied primer for compatibility with subsequent cover materials.
- F. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces is below the following maximums:
  1. Gypsum Wallboard: 12 percent.
  2. Masonry, Concrete, and Concrete Masonry Units: 12 percent.
  3. Interior Wood: 15 percent, measured in accordance with ASTM D4442.

#### 3.2 PREPARATION

- A. Clean surfaces thoroughly and correct defects prior to application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

- C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.
- D. Seal surfaces that might cause bleed through or staining of topcoat.
- E. Masonry:
  - 1. Prepare surface as recommended by top coat manufacturer.
- F. Gypsum Board: Fill minor defects with filler compound. Spot prime defects after repair.
- G. Galvanized Surfaces:
  - 1. Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
  - 2. Prepare surface according to SSPC-SP 2.
- H. Ferrous Metal:
  - 1. Solvent clean according to SSPC-SP 1.
  - 2. Remove rust, loose mill scale, and other foreign substances using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 Commercial Blast Cleaning. Protect from corrosion until coated.
- I. Wood Surfaces to Receive Opaque Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats. Back prime concealed surfaces before installation.
- J. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

### 3.3 APPLICATION

- A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
- B. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".
- C. Where adjacent sealant is to be painted, do not apply finish coats until sealant is applied.
- D. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- E. Apply each coat to uniform appearance in thicknesses specified by manufacturer.
- F. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply as many coats as necessary for complete hide.
- G. Sand wood and metal surfaces lightly between coats to achieve required finish.
- H. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
- I. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

### 3.4 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for general requirements for field inspection.

3.5 CLEANING

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.6 PROTECTION

- A. Protect finishes until completion of project.
- B. Touch-up damaged finishes after Substantial Completion.

END OF SECTION 09 91 23

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## SECTION 10 21 13.13 - METAL TOILET PARTITIONS

## PART 1 GENERAL

## 1.1 SECTION INCLUDES

- A. Metal toilet compartments.
- B. Urinal and Vestibule screens.

## 1.2 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Blocking and supports.
- B. Section 10 28 00 - Toilet, Bath, and Laundry Accessories.

## 1.3 REFERENCE STANDARDS

- A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2020.
- B. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.

## 1.4 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate the work with placement of support framing and anchors in walls and ceilings.

## 1.5 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall, floor, and ceiling supports, door swings.
- C. Product Data: Provide data on panel construction, hardware, and accessories.
- D. Samples: Submit two samples of partition panels, 12x12 inch in size illustrating panel finish, color, and sheen.
- E. Manufacturer's Installation Instructions: Indicate special procedures.

## PART 2 PRODUCTS

## 2.1 MANUFACTURERS

- A. Metal Toilet Compartments:
  - 1. All American Metal Corp - AAMCO; Stainless Steel: [www.allamericanmetal.com/#sle](http://www.allamericanmetal.com/#sle).
  - 2. ASI Accurate Partitions; Stainless Steel: [www.asi-accuratepartitions.com/#sle](http://www.asi-accuratepartitions.com/#sle).

3. ASI Global Partitions; Stainless Steel: [www.asi-globalpartitions.com/#sle](http://www.asi-globalpartitions.com/#sle).
4. General Partitions Mfg. Corp; Stainless Steel: [www.generalpartitions.com/#sle](http://www.generalpartitions.com/#sle).
5. Metpar Corp; Stainless Steel: [www.metpar.com/#sle](http://www.metpar.com/#sle).
6. Substitutions: Section 01 60 00 - Product Requirements.

## 2.2 MATERIALS

- A. Steel Sheet: Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.
- B. Stainless Steel Sheet: ASTM A666, Type 304.

## 2.3 COMPONENTS

- A. Toilet Compartments: Stainless steel, floor-mounted headrail-braced.
- B. Doors, Panels, and Pilasters: Sheet steel faces, pressure bonded to sound deadening core, formed and closed edges; corners made with corner clips or mitered, welded, and ground smooth.
- C. Door and Panel Dimensions:
  1. Thickness: 1 inch.
  2. Door Width: 24 inch.
  3. Door Width for Handicapped Use: 36 inch , out-swinging.
  4. Height: 58 inch.
- D. Pilasters: 1-1/4 inch thick, of sizes required to suit compartment width and spacing.
- E. Urinal Screens: Wall mounted with two panel brackets, and floor-to-ceiling vertical upright consisting of pilaster anchored to floor and ceiling.
- F. Urinal Screen Splash Panels: Stainless steel sheet 30 inch wide by 42 inch high mounted on partitions adjacent to urinals. Fasten with stainless steel screws spaced 8 inches on center.

## 2.4 ACCESSORIES

- A. Pilaster Shoes: Formed ASTM A666 Type 304 stainless steel with No. 4 finish, 3 inch high, concealing floor fastenings.
  1. Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster.
- B. Head Rails: Hollow stainless steel tube, 1 by 1-5/8 inch size, with cast socket wall brackets.
- C. Brackets: Satin stainless steel.
- D. Attachments, Screws, and Bolts: Stainless steel , tamper proof type.
  1. For attaching panels and pilasters to brackets: Through-bolts and nuts ; tamper proof.
- E. Hardware: Satin stainless steel:
  1. Pivot hinges, gravity type, adjustable for door close positioning; two per door.
  2. Thumb turn or sliding door latch with exterior emergency access feature.
  3. Door strike and keeper with rubber bumper; mounted on pilaster in alignment with door latch.
  4. Provide door pull for outswinging doors.

## 2.5 FINISHING

- A. Stainless Steel Compartments: No. 4 finish.

## PART 3 EXECUTION

## 3.1 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that field measurements are as indicated.
- C. Verify correct spacing of and between plumbing fixtures.
- D. Verify correct location of built-in framing, anchorage, and bracing.

## 3.2 INSTALLATION

- A. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain 3/8 to 1/2 inch space between wall and panels and between wall and end pilasters.
- C. Attach panel brackets securely to walls using anchor devices.
- D. Attach panels and pilasters to brackets. Locate head rail joints at pilaster center lines.
- E. Field touch-up of scratches or damaged enamel finish will not be permitted. Replace damaged or scratched materials with new materials.

## 3.3 TOLERANCES

- A. Maximum Variation From True Position: 1/4 inch.
- B. Maximum Variation From Plumb: 1/8 inch.

## 3.4 ADJUSTING

- A. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 3/16 inch.
- B. Adjust hinges to position doors in partial opening position when unlatched. Return out swinging doors to closed position.
- C. Adjust adjacent components for consistency of line or plane.

END OF SECTION



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## SECTION 10 28 00 - TOILET, BATH, AND LAUNDRY ACCESSORIES

## PART 1 GENERAL

## 1.1 SECTION INCLUDES

- A. Commercial toilet accessories.
- B. Under-lavatory pipe supply covers.
- C. Diaper changing stations.

## 1.2 RELATED REQUIREMENTS

- A. Section 08 83 00 - Mirrors: Other mirrors.
- B. Section 09 30 00 - Tiling:
- C. Section 10 21 13.13 - Metal Toilet Compartments.

## 1.3 REFERENCE STANDARDS

- A. ASTM A269/A269M - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service; 2015a (Reapproved 2019).
- B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2020.
- C. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
- D. ASTM B86 - Standard Specification for Zinc and Zinc-Aluminum (ZA) Alloy Foundry and Die Castings; 2018.
- E. ASTM B456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium; 2017.
- F. ASTM C1036 - Standard Specification for Flat Glass; 2016.
- G. ASTM C1503 - Standard Specification for Silvered Flat Glass Mirror; 2018.
- H. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.

## 1.4 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

## 1.5 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

- B. Product Data: Submit data on accessories describing size, finish, details of function, and attachment methods.
- C. Samples: Submit samples of each accessory, illustrating color and finish.
- D. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Commercial Toilet, Shower, and Bath Accessories:
  - 1. Basis of Design: Bobrick Washroom Accessories; [www.bobrick.com](http://www.bobrick.com)
  - 2. Subject to compliance with requirements other manufacturers that may be incorporate into the work include but are not limited to the following:
  - 3. Bradley Corporation; [www.bradleycorp.com/#sle](http://www.bradleycorp.com/#sle).
  - 4. Washroom Inc.; [www.washroominc.com](http://www.washroominc.com).
  - 5. Substitutions: Section 01 60 00 - Product Requirements.
- B. Under-Lavatory Pipe Supply Covers:
  - 1. Plumberex Specialty Products, Inc; [www.plumberex.com/#sle](http://www.plumberex.com/#sle).
  - 2. Zurn Industries, LLC; [www.zurn.com](http://www.zurn.com).
  - 3. ISP Corporation; [www.ispcorp.com](http://www.ispcorp.com).
  - 4. Substitutions: Section 01 60 00 - Product Requirements.

3

### 2.2 MATERIALS

- A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
  - 1. Grind welded joints smooth.
  - 2. Fabricate units made of metal sheet of seamless sheets with flat surfaces.
- B. Stainless Steel Sheet: ASTM A666, Type 304.
- C. Stainless Steel Tubing: ASTM A269/A269M, Grade TP304 or TP316.
- D. Galvanized Sheet Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.
- E. Zinc Alloy: Die cast, ASTM B86.
- F. Mirror Glass: Annealed float glass, ASTM C1036 Type I, Class 1, Quality Q2, with silvering, protective and physical characteristics complying with ASTM C1503.

### 2.3 FINISHES

- A. Stainless Steel: Satin finish.
- B. Chrome/Nickel Plating: ASTM B456, SC 2, satin finish.

## 2.4 Commercial Toilet Accessories

- A. Toilet Paper Dispenser: (TA-02) Double roll, surface mounted bracket type, chrome-plated steel brackets, spindleless type for tension spring delivery designed to prevent theft of tissue roll.
  - 1. Products:
    - a. Bobrick Washroom Accessories; B-2888; [www.bobrick.com](http://www.bobrick.com)
    - b. Substitutions: Section 01 60 00 - Product Requirements.
- B. Sanitary Napkin Disposal: (TA03) Surface Mounted, Stainless Steel, satin finish.
  - 1. Products:
    - a. Bobrick Washroom Accessories; B-270; [www.bobrick.com](http://www.bobrick.com)
    - b. Substitutions: Section 01 60 00-Product Requirements.
- C. Toilet Seat Cover Dispenser: (TA04) Surface mounted seat cover dispenser. Stainless Steel.
  - 1. Capacity: 250 seat covers
  - 2. Products:
    - a. Bobrick Washroom Accessories; B-221; [www.bobrick.com](http://www.bobrick.com)
    - b. Substitutions: Section 01 60 00-Product Requirements.
- D. Paper Towel Dispenser/Waste Receptacle: (TA-06A) Automatic, Universal Semi-Recessed Roll Towel Dispenser Equipped with LED Light, stainless steel, semi-recessed.
  - 1. Capacity: 8-inch diameter roll. minimum.
  - 2. Products:
    - a. Bobrick Washroom Accessories; B-3974; [www.bobrick.com](http://www.bobrick.com).
    - b. Substitutions: Section 01 60 00 - Product Requirements.
- E. Combination Towel Dispenser/Waste Receptacle: (TA-06B) Recessed convertible automatic universal paper towel dispenser and waste receptacle.
  - 1. Waste receptacle liner: Reusable, heavy-duty vinyl.
  - 2. Towel dispenser capacity: 8-inch diameter roll
  - 3. Waste receptacle capacity: 12 gallons.
  - 4. Products:
    - a. Bobrick Washroom Accessories; B-3974; [www.bobrick.com](http://www.bobrick.com)
    - b. Substitutions: Section 01 60 00 - Product Requirements.
- F. Soap Dispenser: (TA-05A) Automatic, Liquid, Vanity Mount, Top-Fill Bulk Soap Dispenser.
  - 1. Minimum Capacity: 30 ounces.
  - 2. Products:
    - a. Bobrick Washroom Accessories; B-824; [www.bobrick.com](http://www.bobrick.com)
    - b. Substitutions: Section 01 60 00 - Product Requirements.
- G. Soap Dispenser: (TA-05B) Automatic Wall Mounted Liquid, Bulk Soap Dispenser, Type 304 stainless steel.
  - 1. Minimum Capacity: [30] ounces.
  - 2. Products:
    - a. Bobrick Washroom Accessories; B-2012; [www.bobrick.com](http://www.bobrick.com)
    - b. Substitutions: Section 01 60 00 - Product Requirements.
- H. Mirrors: (TA-07A) Stainless steel framed, 1/4 inch thick annealed float glass;ASTM C1036.
  - 1. Annealed Float Glass: Silvering, protective and physical characteristics in compliance with ASTM C1503.

2. Size: [24" x 36"].
  3. Products:
    - a. Bobrick Washroom Accessories; B-165 2436; www.bobrick.com
    - b. Substitutions: Section 01 60 00 - Product Requirements.
- I. Grab Bars: (TA01A, TA01B, TA01C) Stainless steel, smooth surface.
1. Standard Duty Grab Bars:
    - a. Push/Pull Point Load: 250 pound-force, minimum.
    - b. Dimensions: 1-1/2 inch outside diameter, minimum 0.05 inch wall thickness, exposed flange mounting, 1-1/2 inch clearance between wall and inside of grab bar.
    - c. Finish: Satin.
    - d. Length and Configuration: As indicated on drawings.
    - e. Products:
      - 1) Bobrick Washroom Accessories; B-6806; www.bobrick.com
      - 2) Substitutions: Section 01 60 00 - Product Requirements.

3

- J. Diaper Changing Stations: (TA09)
1. Basis of Design: Koala Kare Products; [KB300-01SS]: www.koalabear.com/#sle.
    - a. Subject to compliance with requirements, additional products may be selected from the following:
      - 1) American Specialties, Inc: www.americanspecialties.com/#sle.
      - 2) Bradley Corporation: www.bradleycorp.com/#sle.
      - 3) Diaper Deck & Company: www.diaperdeck.com/#sle.
  2. Substitutions: 01 60 00-Product Requirements.

### PART 3 EXECUTION

#### 3.1 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify exact location of accessories for installation.
- C. For electrically-operated accessories, verify that electrical power connections are ready and in the correct locations.
- D. Verify that field measurements are as indicated on drawings.
- E. Provide all necessary blocking, reinforcing plates, and concealed anchors in walls and ceilings.

#### 3.2 PREPARATION

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

#### 3.3 INSTALLATION

- A. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.

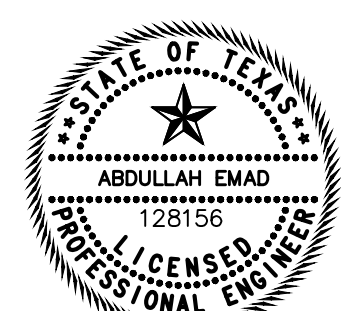
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.

3.4 PROTECTION

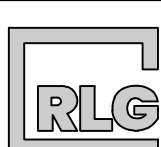
- A. Protect installed accessories from damage due to subsequent construction operations.

END OF SECTION 10 28 00

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ABDULLAH EMAD, P.E. 128156 ON  
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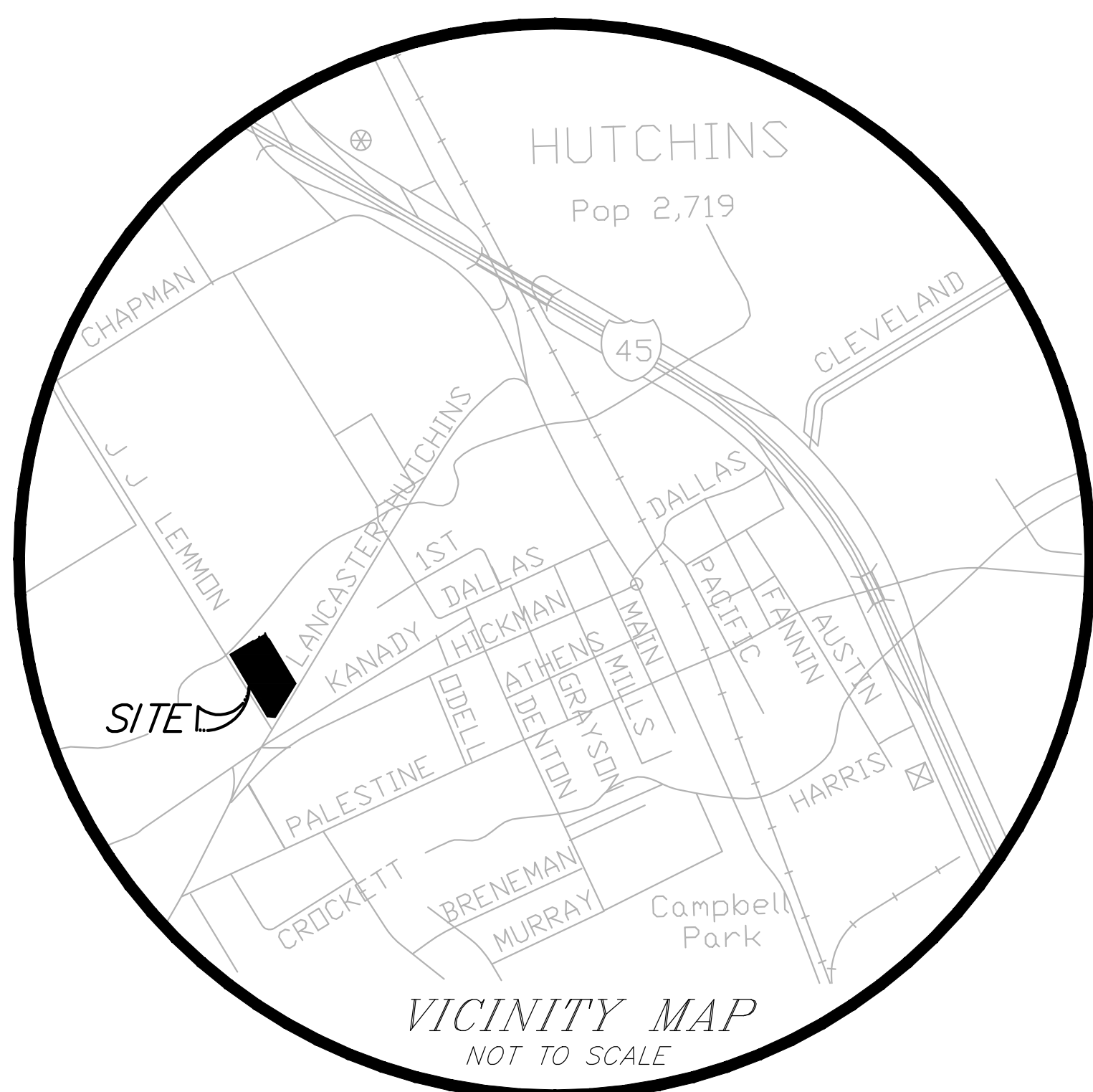


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HUTCHINS CITY HALL

# CONSTRUCTION PLANS FOR HUTCHINS CITY HALL

400 N. JJ LEMMON RD.  
HUTCHINS, TX 75141  
LOT 1, BLOCK A  
KANADY'S ADDITION



**ARCHITECT**  
BRANDSTETTER CARROLL, INC  
17304 PRESTON RD  
SUITE 1075  
DALLAS, TX 75252  
(469) 941-4926  
AMANDA HEGER  
AHEGER@BCIAEP.COM

**OWNER**  
CITY OF HUTCHINS  
321 N. MAIN ST.  
HUTCHINS, TX 75141  
(972) 225-6121

**RLG CONSULTING ENGINEERS**

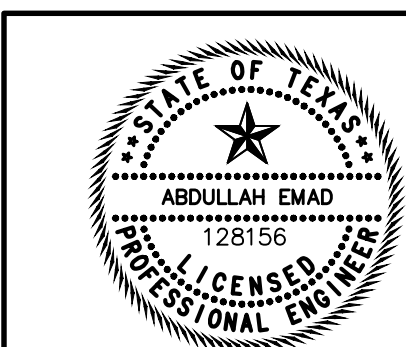


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SUITE 300 DALLAS, TEXAS 75243  
(214) 739-8100  
FIRM REG: F-493  
ABDULLAH EMAD  
AEMAD@RLGINC.COM

Sheet List Table

△ △	C00.00	COVER
	C01.01	TOPOGRAPHIC SURVEY
	C01.02	TOPOGRAPHIC SURVEY
	C01.03	TOPOGRAPHIC SURVEY
	C02.00	GENERAL NOTES
	C03.00	OVERALL DEMOLITION PLAN
△ △	C04.00	OVERALL DIMENSION CONTROL PLAN
△ △	C05.00	OVERALL PAVING PLAN
△ △	C06.00	OVERALL GRADING PLAN
△ △	C06.01	GRADING PLAN
△ △	C06.02	GRADING PLAN
	C07.00	PRE DEVELOPMENT DAM
△	C08.00	POST DEVELOPMENT DAM
△ △	C09.00	STORM SEWER PLAN
△	C09.01	STORM SEWER PROFILE LINE A1
	C09.02	DRIVEWAY CULVERTS PROFILES
△ △	C10.00	OVERALL WATER AND WASTEWATER PLAN
△ △	C11.00	EROSION CONTROL PLAN
	C12.00	DETAILS SHEET
△	C12.01	DETAILS SHEET
	C12.02	DETAILS SHEET

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**BENCHMARKS:**  
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JJ LEMMON STREET AS SHOWN ON  
SHEET 1.  
ELEV: 478.30'  
BM2: RAILROAD SPIKE SET IN  
POWER POLE SET AT THE  
NORTHWEST INTERSECTION OF JJ  
LEMON STREET AND LANCASTER  
HUTCHINS ROAD, AS SHOWN ON  
SHEET 2.  
ELEV: 496.06'

COVER					
HUTCHINS CITY HALL					
LOT 1, BLOCK A					
400 N. JJ LEMMON RD, HUTCHINS, TEXAS, 75141					
CITY OF HUTCHINS, DALLAS COUNTY, TEXAS					
REVIEW	DRAWN	DATE	FILE	NUMBER	SHEET
RLG	RLG	03/12/2024	2313	039	C00.00

Revisions: 1 02/22/2024 ADDENDUM 1  
3 03/12/2024 ADDENDUM 3

Issue Date: 02.08.2024

Hutchins City Hall

ADDENDUM 03

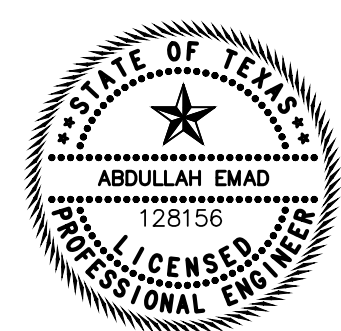
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HUTCHINS, TX 75141

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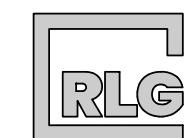
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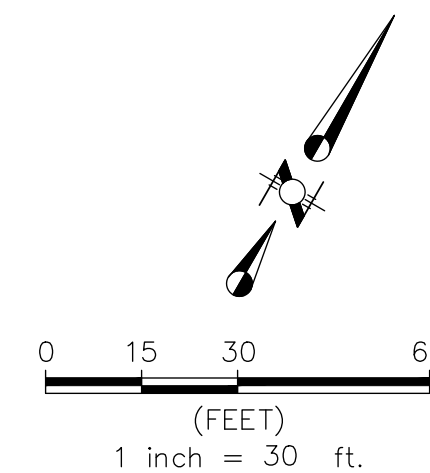




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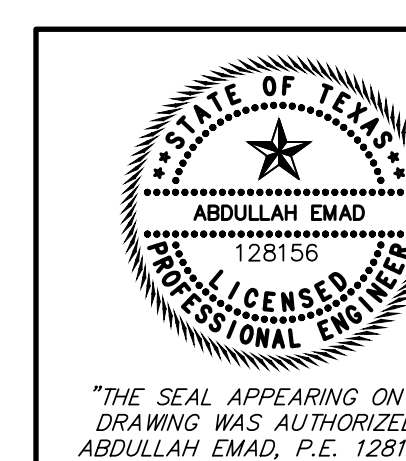
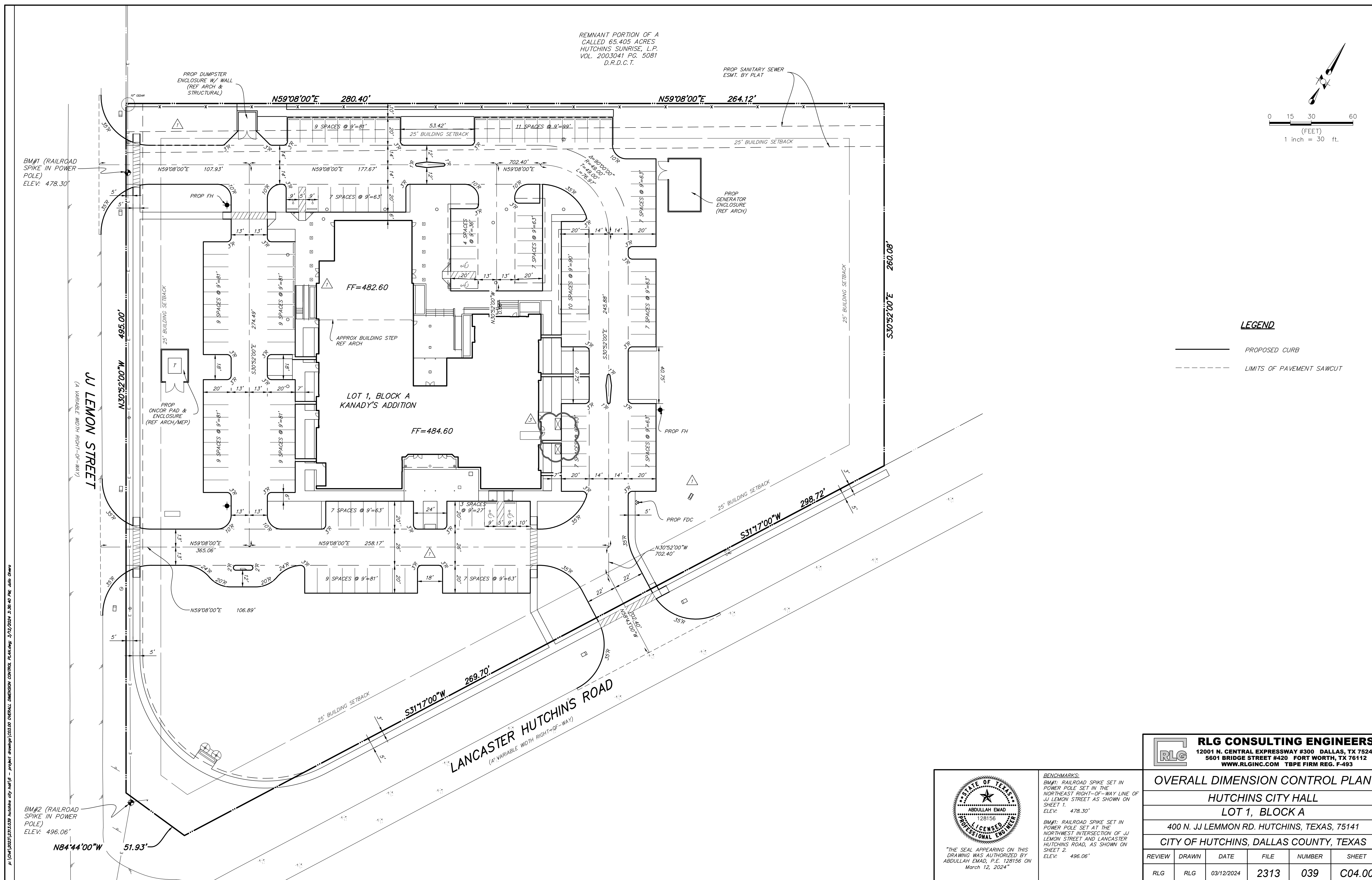


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**LEGEND**

- PROPOSED CURB
- - - - LIMITS OF PAVEMENT SAWCUT



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 ELEV: 496.06'

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<b>OVERALL DIMENSION CONTROL PLAN</b>					
<b>HUTCHINS CITY HALL</b>					
<b>LOT 1, BLOCK A</b>					
400 N. JJ LEMMON RD. HUTCHINS, TEXAS, 75141					
CITY OF HUTCHINS, DALLAS COUNTY, TEXAS					
REVIEW	DRAWN	DATE	FILE	NUMBER	SHEET
RLG	RLG	03/12/2024	2313	039	C04.00

Revisions: 1 02/22/2024 ADDENDUM 1  
 3 03/12/2024 ADDENDUM 3

Issue Date: 02.08.2024

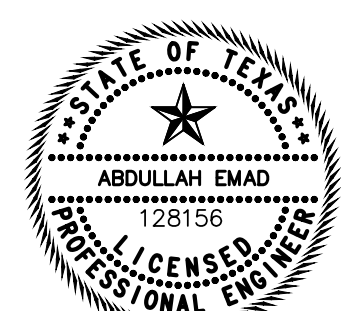
**Hutchins City Hall**

ADDENDUM 03  
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 HUTCHINS, TX 75141

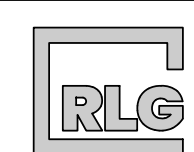
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Project No.

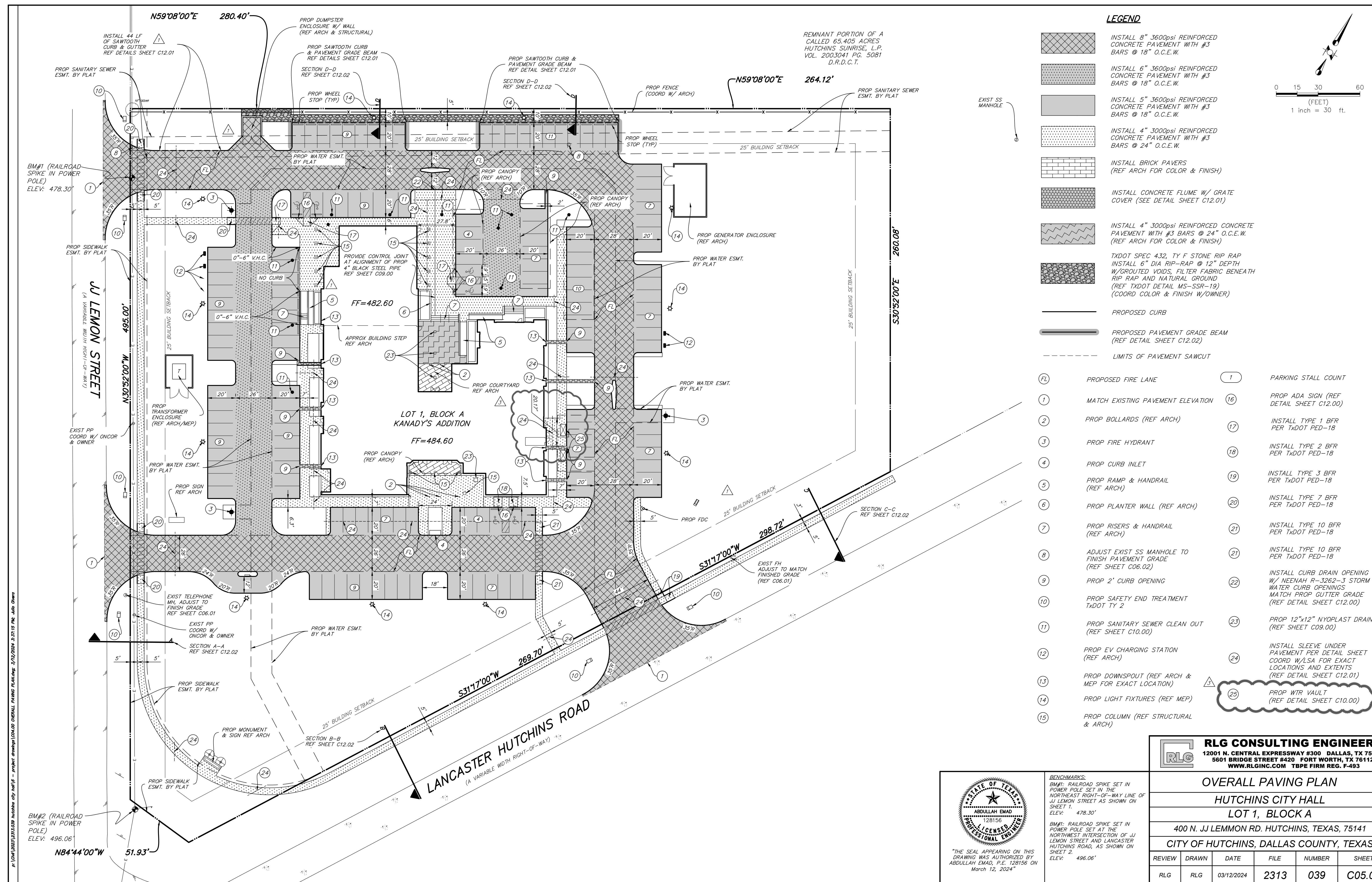
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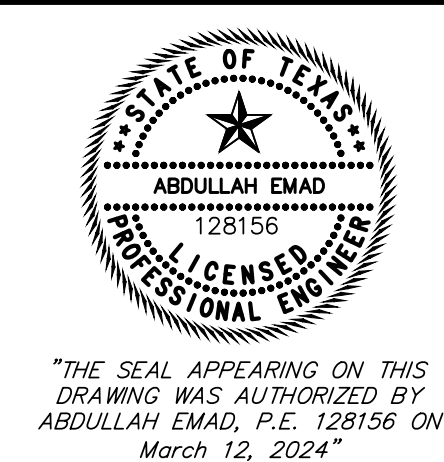
**LEGEND**

- INSTALL 8" 3600psi REINFORCED CONCRETE PAVEMENT WITH #3 BARS @ 18" O.C.E.W.
- INSTALL 6" 3600psi REINFORCED CONCRETE PAVEMENT WITH #3 BARS @ 18" O.C.E.W.
- INSTALL 5" 3600psi REINFORCED CONCRETE PAVEMENT WITH #3 BARS @ 18" O.C.E.W.
- INSTALL 4" 3000psi REINFORCED CONCRETE PAVEMENT WITH #3 BARS @ 24" O.C.E.W.
- INSTALL BRICK PAVERS (REF ARCH FOR COLOR & FINISH)
- INSTALL CONCRETE FLUME W/ GRATE COVER (SEE DETAIL SHEET C12.01)
- INSTALL 4" 3000psi REINFORCED CONCRETE PAVEMENT WITH #3 BARS @ 24" O.C.E.W. (REF ARCH FOR COLOR & FINISH)
- TxDOT SPEC 432, TY F STONE RIP RAP. INSTALL 6" DIA RIP-RAP @ 12" DEPTH W/GROUTED VOIDS, FILTER FABRIC BENEATH RIP RAP AND NATURAL GROUND (REF TxDOT DETAIL MS-SSR-19) (COORD COLOR & FINISH W/OWNER)
- PROPOSED CURB
- PROPOSED PAVEMENT GRADE BEAM (REF DETAIL SHEET C12.02)
- LIMITS OF PAVEMENT SAWCUT

- PROPOSED FIRE LANE
- MATCH EXISTING PAVEMENT ELEVATION
- PROP BOLLARDS (REF ARCH)
- PROP FIRE HYDRANT
- PROP CURB INLET
- PROP RAMP & HANDRAIL (REF ARCH)
- PROP PLANTER WALL (REF ARCH)
- PROP RISERS & HANDRAIL (REF ARCH)
- ADJUST EXIST SS MANHOLE TO FINISH PAVEMENT GRADE (REF SHEET C06.02)
- PROP 2" CURB OPENING
- PROP SAFETY END TREATMENT TxDOT TY 2
- PROP SANITARY SEWER CLEAN OUT (REF SHEET C10.00)
- PROP EV CHARGING STATION (REF ARCH)
- PROP DOWNSPOUT (REF ARCH & MEP FOR EXACT LOCATION)
- PROP LIGHT FIXTURES (REF MEP)
- PROP COLUMN (REF STRUCTURAL & ARCH)
- PARKING STALL COUNT
- PROP ADA SIGN (REF DETAIL SHEET C12.00)
- INSTALL TYPE 1 BFR PER TxDOT PED-18
- INSTALL TYPE 2 BFR PER TxDOT PED-18
- INSTALL TYPE 3 BFR PER TxDOT PED-18
- INSTALL TYPE 7 BFR PER TxDOT PED-18
- INSTALL TYPE 10 BFR PER TxDOT PED-18
- INSTALL TYPE 10 BFR PER TxDOT PED-18
- INSTALL CURB DRAIN OPENING W/ NEEVAH R-3262-3 STORM WATER CURB OPENINGS. MATCH PROP GUTTER GRADE (REF DETAIL SHEET C12.00)
- PROP 12"x12" NYOPLAST DRAIN (REF SHEET C09.00)
- INSTALL SLEEVE UNDER PAVEMENT PER DETAIL SHEET COORD W/LSA FOR EXACT LOCATIONS AND EXTENTS (REF DETAIL SHEET C12.01)
- PROP WTR VAULT (REF DETAIL SHEET C10.00)

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<b>OVERALL PAVING PLAN</b>					
<b>HUTCHINS CITY HALL</b>					
<b>LOT 1, BLOCK A</b>					
400 N. JJ LEMMON RD., HUTCHINS, TEXAS, 75141					
CITY OF HUTCHINS, DALLAS COUNTY, TEXAS					
REVIEW	DRAWN	DATE	FILE	NUMBER	SHEET
RLG	RLG	03/12/2024	2313	039	C05.00



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BM#2: RAILROAD SPIKE SET IN POWER POLE SET AT THE NORTHWEST INTERSECTION OF JJ LEMMON STREET AND LANCASTER HUTCHINS ROAD, AS SHOWN ON SHEET 2. ELEV: 496.06'

Revisions: 1 02/22/2024 ADDENDUM 1  
3 03/12/2024 ADDENDUM 3

Issue Date: 02.08.2024

**Hutchins City Hall**

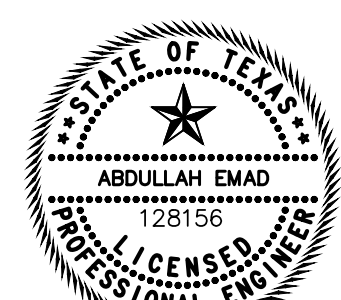
ADDENDUM 03

400 N. JJ LEMMON RD.  
HUTCHINS, TX 75141

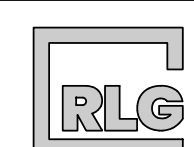
OVERALL PAVING PLAN

Project No.

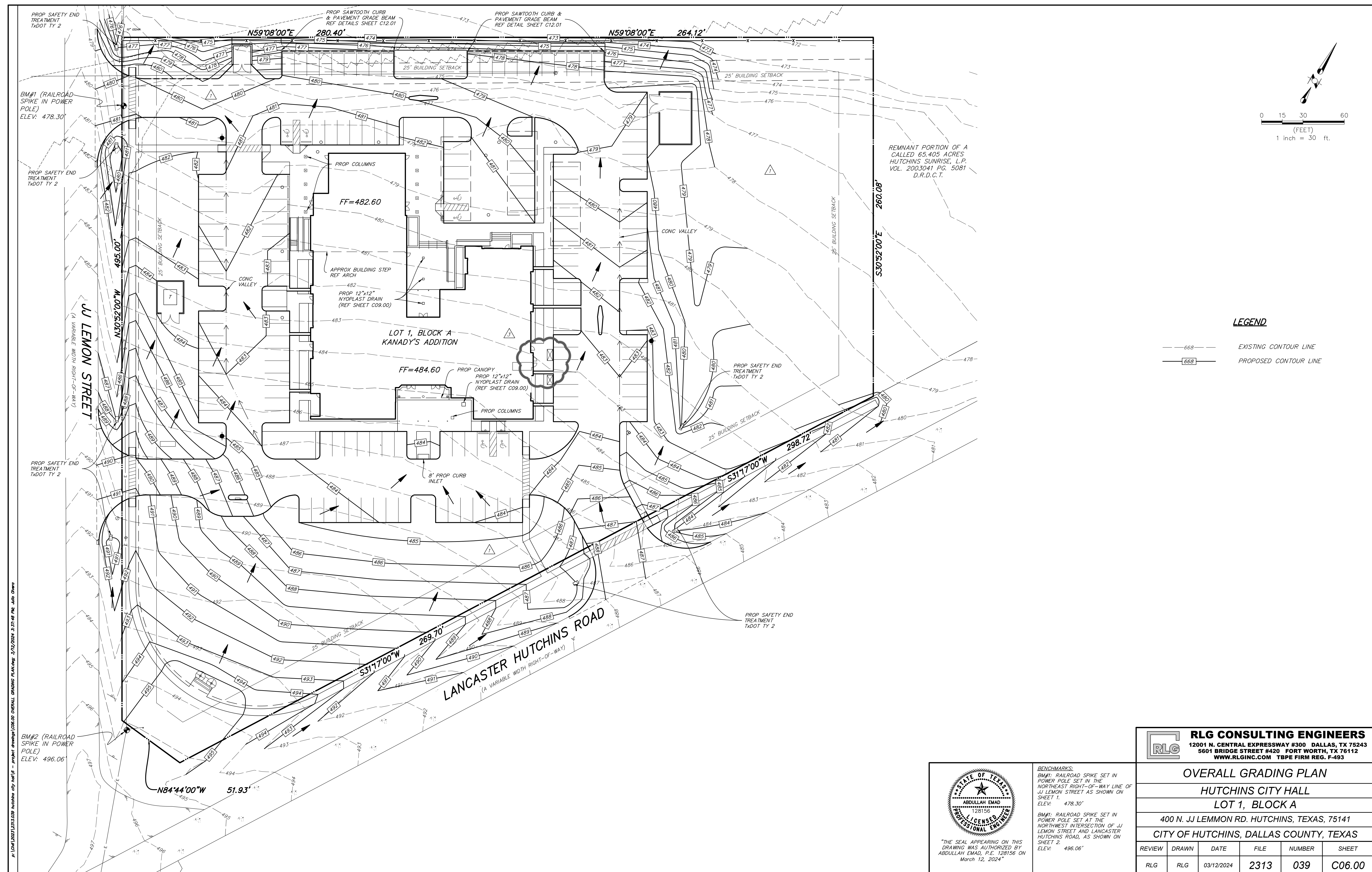
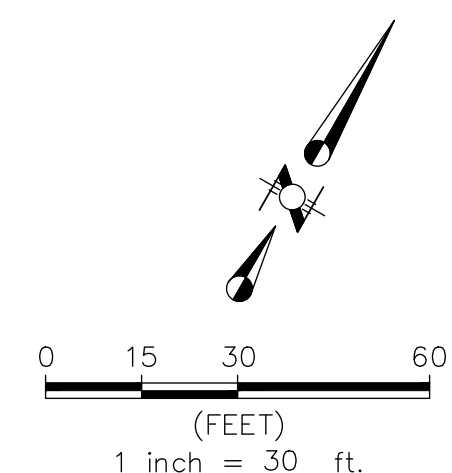
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A: DATE: 03/12/2024 10:00 AM; PLOT: 11x17; SCALE: 1/8"=1'-0"; DRAWN BY: RLG; CHECKED BY: RLG; DATE: 03/12/2024 10:00 AM; JOB: 2313



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<b>OVERALL GRADING PLAN</b>					
<b>HUTCHINS CITY HALL</b>					
<b>LOT 1, BLOCK A</b>					
<b>400 N. JJ LEMMON RD. HUTCHINS, TEXAS, 75141</b>					
<b>CITY OF HUTCHINS, DALLAS COUNTY, TEXAS</b>					
REVIEW	DRAWN	DATE	FILE	NUMBER	SHEET
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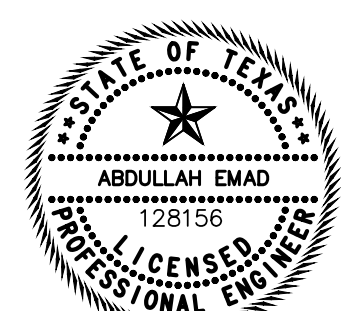
ADDENDUM 03

400 N. JJ LEMMON RD.  
HUTCHINS, TX 75141

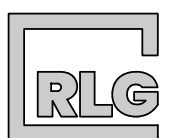
**OVERALL GRADING  
PLAN**

Project No.

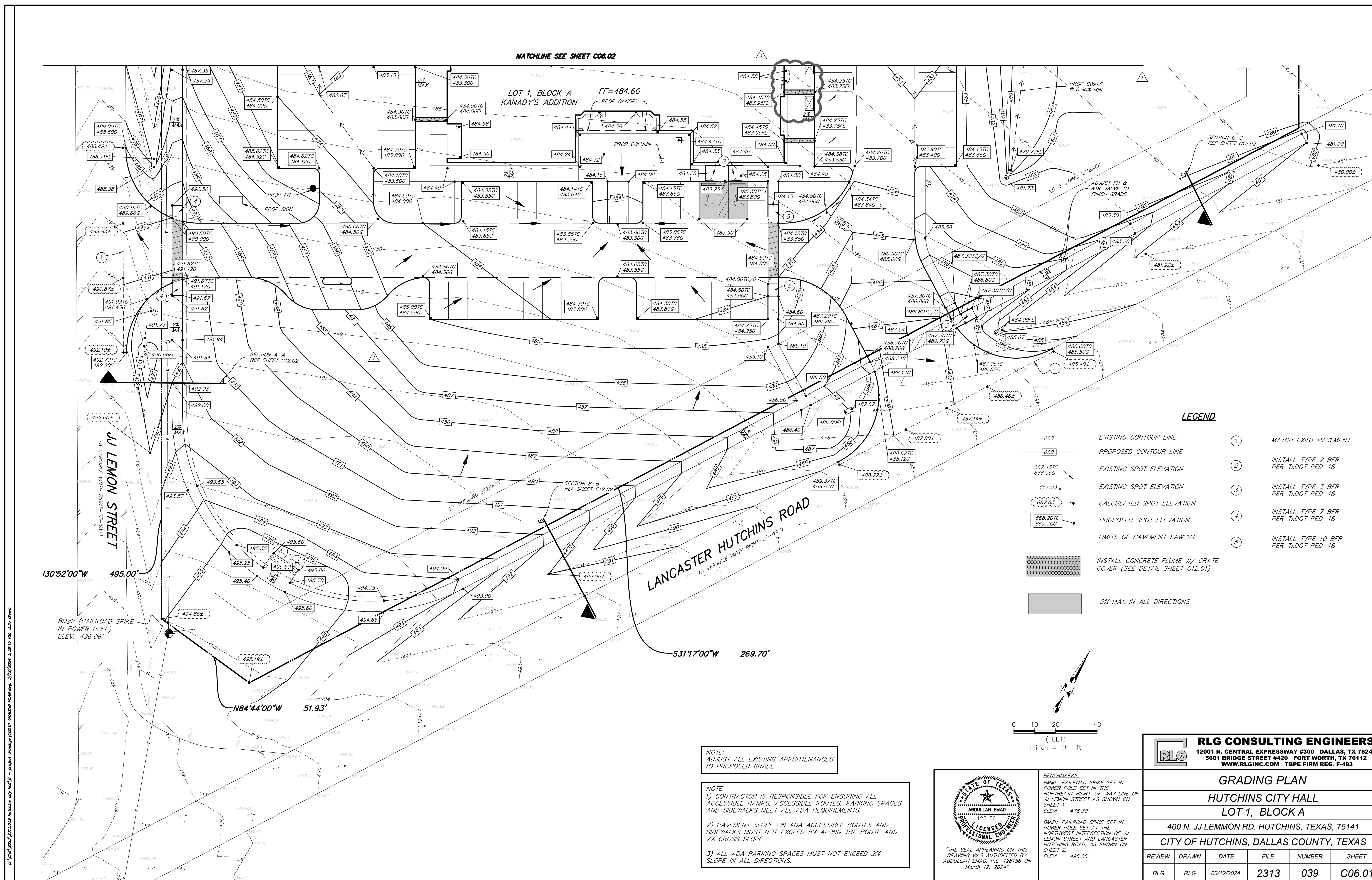
**C06.00**



"THE SEAL APPEARING ON THIS DRAWING WAS AUTHORIZED BY ABDULLAH EMAD, P.E. 128156 ON MARCH 12, 2024"



**RLG CONSULTING ENGINEERS**  
12001 N. CENTRAL EXPRESSWAY #300 DALLAS, TX 75243  
5601 BRIDGE STREET #420 FORT WORTH, TX 76112  
WWW.RLGINC.COM TBPE FIRM REG. F-493

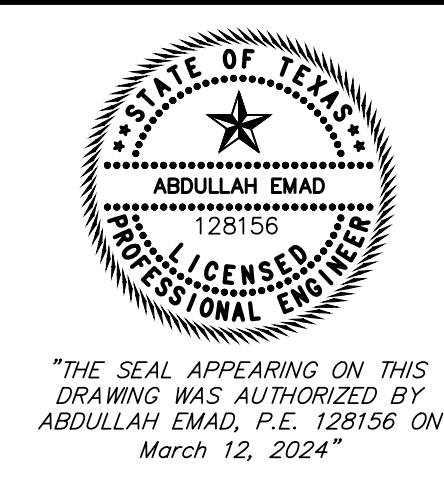


**LEGEND**

	EXISTING CONTOUR LINE	①	MATCH EXIST PAVEMENT
	PROPOSED CONTOUR LINE	②	INSTALL TYPE 2 BFR PER TxDOT PED-18
	EXISTING SPOT ELEVATION	③	INSTALL TYPE 3 BFR PER TxDOT PED-18
	EXISTING SPOT ELEVATION	④	INSTALL TYPE 7 BFR PER TxDOT PED-18
	CALCULATED SPOT ELEVATION	⑤	INSTALL TYPE 10 BFR PER TxDOT PED-18
	PROPOSED SPOT ELEVATION		
	LIMITS OF PAVEMENT SAWCUT		
	INSTALL CONCRETE FLUME W/ GRATE COVER (SEE DETAIL SHEET C12.01)		
	2% MAX IN ALL DIRECTIONS		

NOTE:  
ADJUST ALL EXISTING APPURTENANCES TO PROPOSED GRADE.

NOTE:  
1) CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL ACCESSIBLE RAMPS, ACCESSIBLE ROUTES, PARKING SPACES AND SIDEWALKS MEET ALL ADA REQUIREMENTS.  
2) PAVEMENT SLOPE ON ADA ACCESSIBLE ROUTES AND SIDEWALKS MUST NOT EXCEED 5% ALONG THE ROUTE AND 2% CROSS SLOPE.  
3) ALL ADA PARKING SPACES MUST NOT EXCEED 2% SLOPE IN ALL DIRECTIONS.



BENCHMARKS:  
BM#1: RAILROAD SPIKE SET IN POWER POLE SET IN THE NORTHWEST RIGHT-OF-WAY LINE OF JU LEMON STREET AS SHOWN ON SHEET 1.  
ELEV: 478.30'  
BM#2: RAILROAD SPIKE SET IN POWER POLE SET AT THE NORTHWEST INTERSECTION OF JU LEMON STREET AND LANCASTER HUTCHINS ROAD, AS SHOWN ON SHEET 2.  
ELEV: 496.06'

**RLG CONSULTING ENGINEERS**  
12001 N. CENTRAL EXPRESSWAY #300 DALLAS, TX 75243  
5601 BRIDGE STREET #420 FORT WORTH, TX 76112  
WWW.RLGINC.COM TBPE FIRM REG. F-493

**GRADING PLAN**  
**HUTCHINS CITY HALL**  
**LOT 1, BLOCK A**  
400 N. JJ LEMMON RD. HUTCHINS, TEXAS, 75141  
CITY OF HUTCHINS, DALLAS COUNTY, TEXAS

REVIEW	DRAWN	DATE	FILE	NUMBER	SHEET
RLG	RLG	03/12/2024	2313	039	C06.01

Revisions: 1 02/22/2024 ADDENDUM 1  
3 03/12/2024 ADDENDUM 3

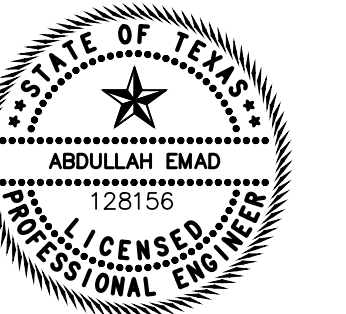
Issue Date: 02.08.2024  
**Hutchins City Hall**

ADDENDUM 03  
400 N. JJ LEMMON RD.  
HUTCHINS, TX 75141

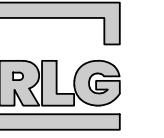
GRADING PLAN

Project No.

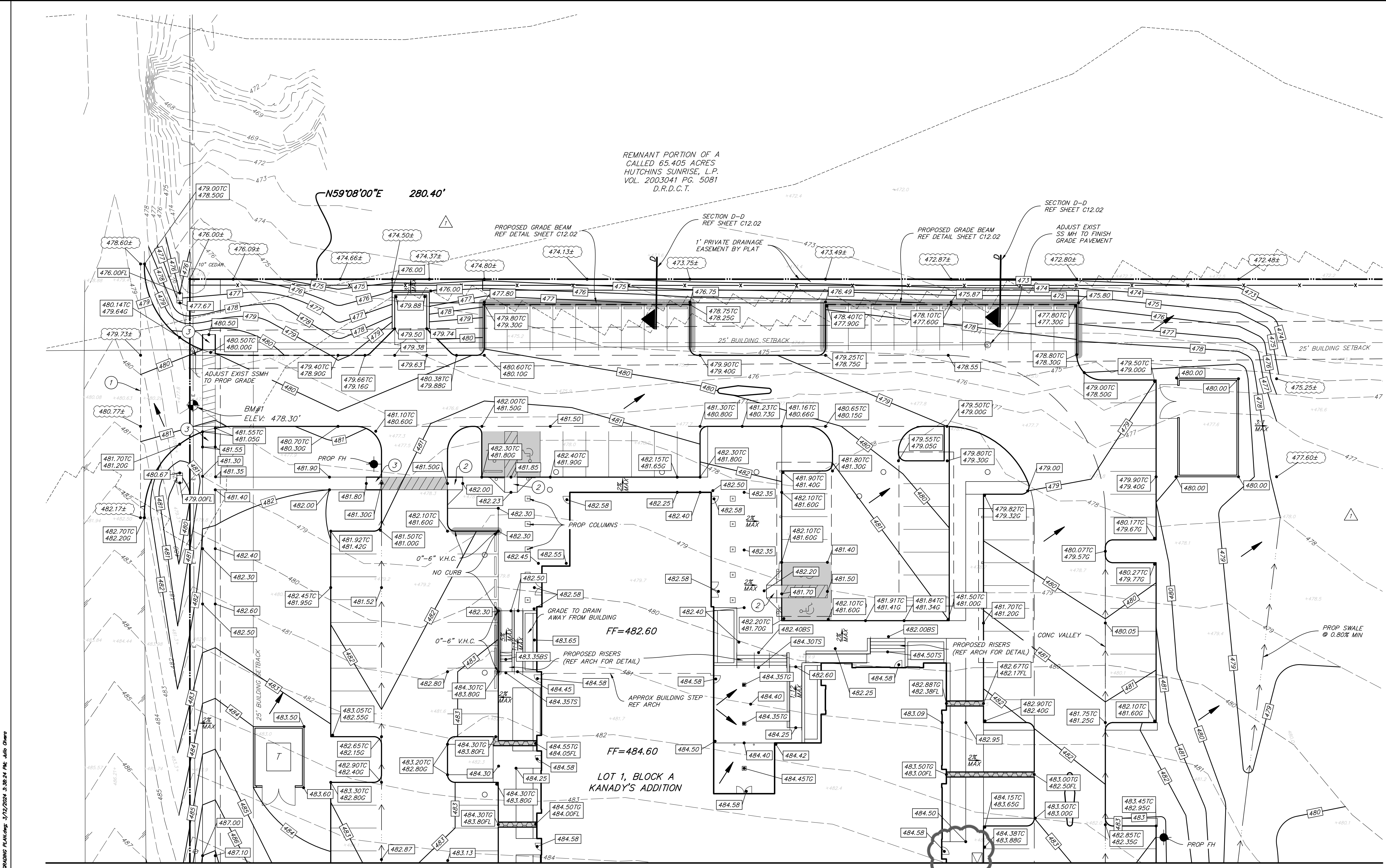
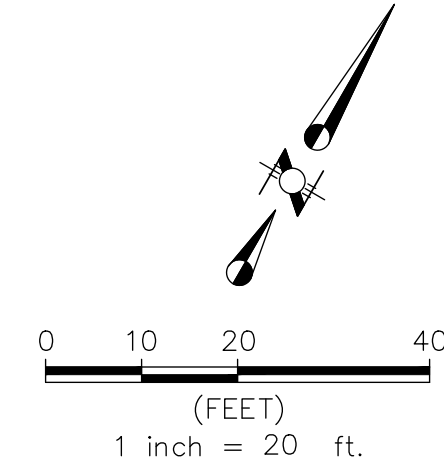
**C06.01**



"THE SEAL APPEARING ON THIS DRAWING WAS AUTHORIZED BY ABDULLAH EMAD, P.E. 128156 ON March 12, 2024"



**RLG CONSULTING ENGINEERS**  
 12001 N. CENTRAL EXPRESSWAY #300 DALLAS, TX 75243  
 5601 BRIDGE STREET #420 FORT WORTH, TX 76112  
 WWW.RLGINC.COM TBPE FIRM REG. F-493



**LEGEND**

- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- EXISTING SPOT ELEVATION
- EXISTING SPOT ELEVATION
- CALCULATED SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- LIMITS OF PAVEMENT SAWCUT
- PROPOSED PAVEMENT GRADE BEAM REF DETAIL SHEET C12.02
- INSTALL CONCRETE FLUME W/ GRATE COVER (SEE DETAIL SHEET C12.01)
- 2% MAX IN ALL DIRECTIONS
- 1 MATCH EXIST PAVEMENT
- 2 INSTALL TYPE 1 BFR PER TxDOT PED-18
- 3 INSTALL TYPE 7 BFR PER TxDOT PED-18

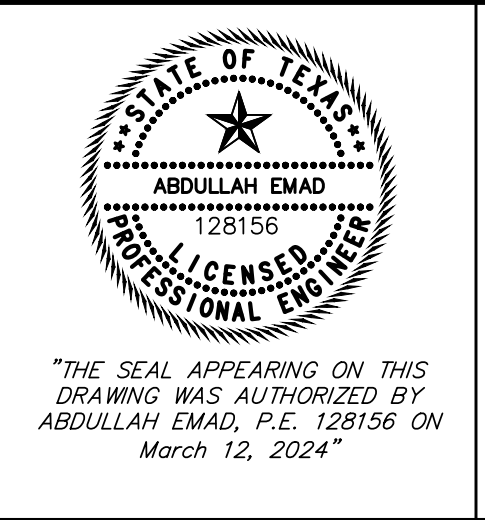
NOTE:  
 ADJUST ALL EXISTING APPURTENANCES TO PROPOSED GRADE.

NOTE:  
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 3) ALL ADA PARKING SPACES MUST NOT EXCEED 2% SLOPE IN ALL DIRECTIONS.

A:\DWG\2023\2313\2313\_039\_Plan.dwg 3/12/2024 3:38:24 PM JAW

MATCHLINE SEE SHEET C06.01

**RLG CONSULTING ENGINEERS**  
 12001 N. CENTRAL EXPRESSWAY #300 DALLAS, TX 75243  
 5601 BRIDGE STREET #420 FORT WORTH, TX 76112  
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<b>GRADING PLAN</b>					
<b>HUTCHINS CITY HALL</b>					
<b>LOT 1, BLOCK A</b>					
400 N. JJ LEMON RD. HUTCHINS, TEXAS, 75141					
CITY OF HUTCHINS, DALLAS COUNTY, TEXAS					
REVIEW	DRAWN	DATE	FILE	NUMBER	SHEET
RLG	RLG	03/12/2024	2313	039	C06.02

Revisions: 1 02/22/2024 ADDENDUM 1  
 3 03/12/2024 ADDENDUM 3

Issue Date: 02.08.2024

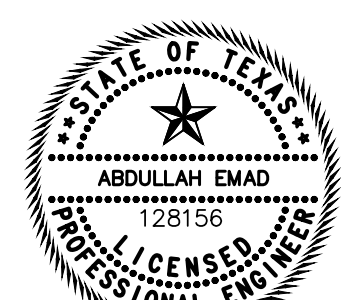
**Hutchins City Hall**

ADDENDUM 03  
 400 N. JJ LEMON RD.  
 HUTCHINS, TX 75141

GRADING PLAN

Project No.

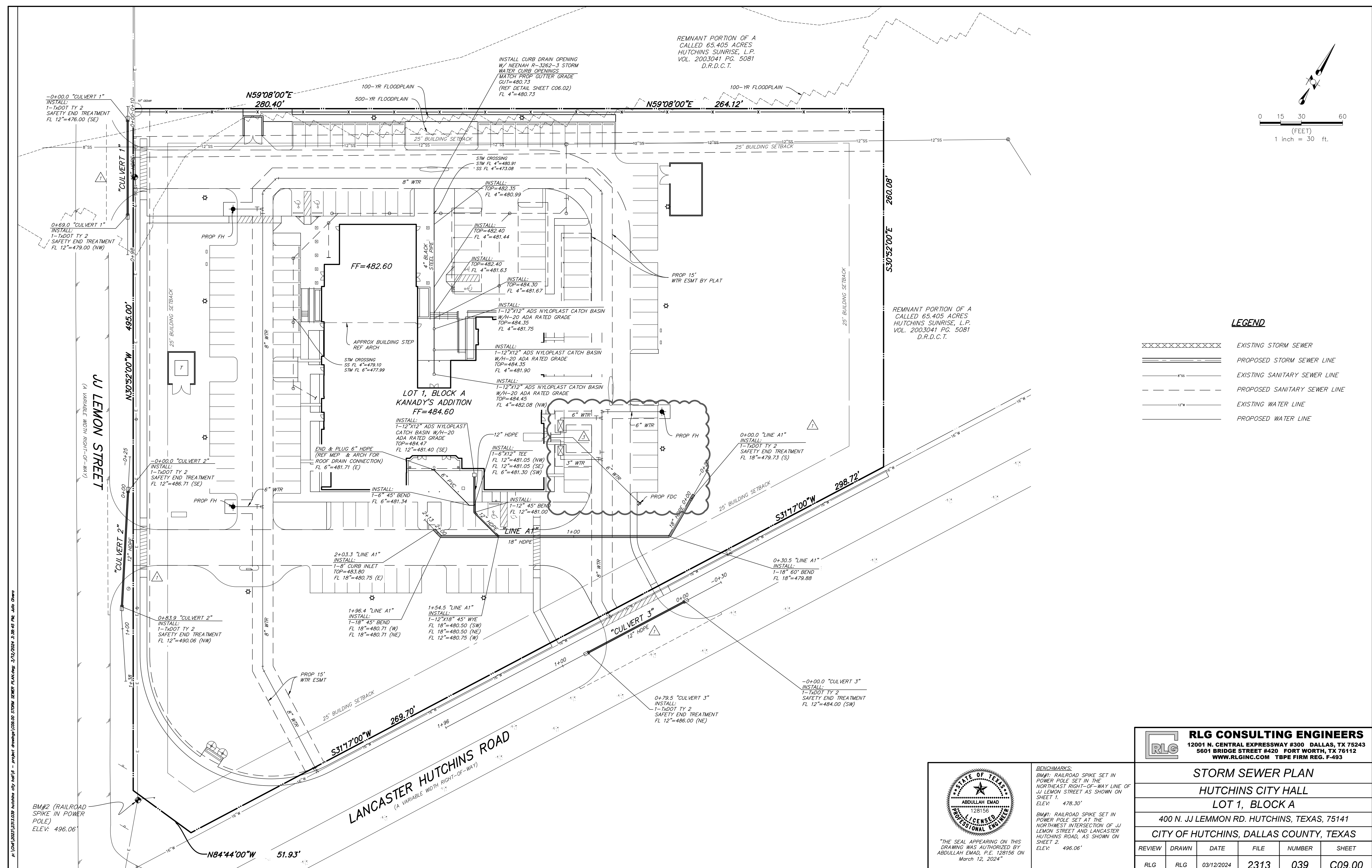
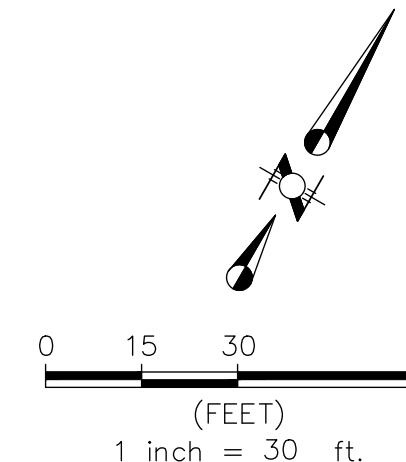
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 5601 BRIDGE STREET #420 FORT WORTH, TX 76112  
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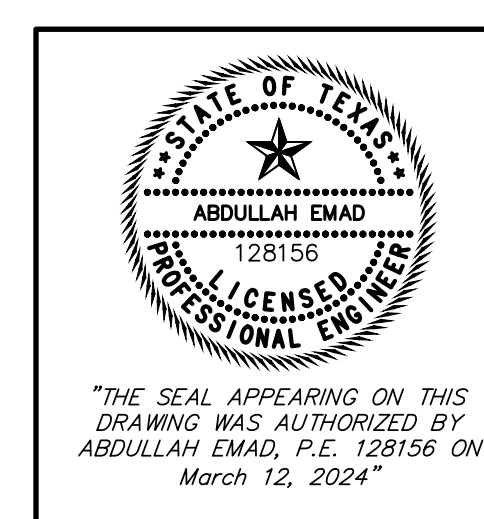
**LEGEND**

XXXXXX	EXISTING STORM SEWER
====	PROPOSED STORM SEWER LINE
----	EXISTING SANITARY SEWER LINE
----	PROPOSED SANITARY SEWER LINE
----	EXISTING WATER LINE
----	PROPOSED WATER LINE

**RLG CONSULTING ENGINEERS**  
 12001 N. CENTRAL EXPRESSWAY #300 DALLAS, TX 75243  
 5601 BRIDGE STREET #420 FORT WORTH, TX 76112  
 WWW.RLGINC.COM TBPE FIRM REG. F-493

**STORM SEWER PLAN**  
**HUTCHINS CITY HALL**  
**LOT 1, BLOCK A**  
 400 N. JJ LEMMON RD. HUTCHINS, TEXAS, 75141  
 CITY OF HUTCHINS, DALLAS COUNTY, TEXAS

REVIEW	DRAWN	DATE	FILE	NUMBER	SHEET
RLG	RLG	03/12/2024	2313	039	C09.00



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 ELEV: 496.06'

Revisions: 1 02/22/2024 ADDENDUM 1  
 3 03/12/2024 ADDENDUM 3

Issue Date: 02.08.2024

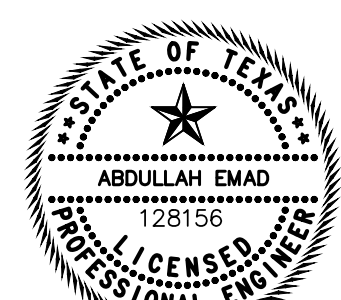
**Hutchins City Hall**

**ADDENDUM 03**  
 400 N. JJ LEMMON RD.  
 HUTCHINS, TX 75141

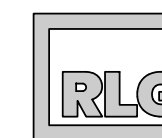
**STORM SEWER PLAN**

Project No.

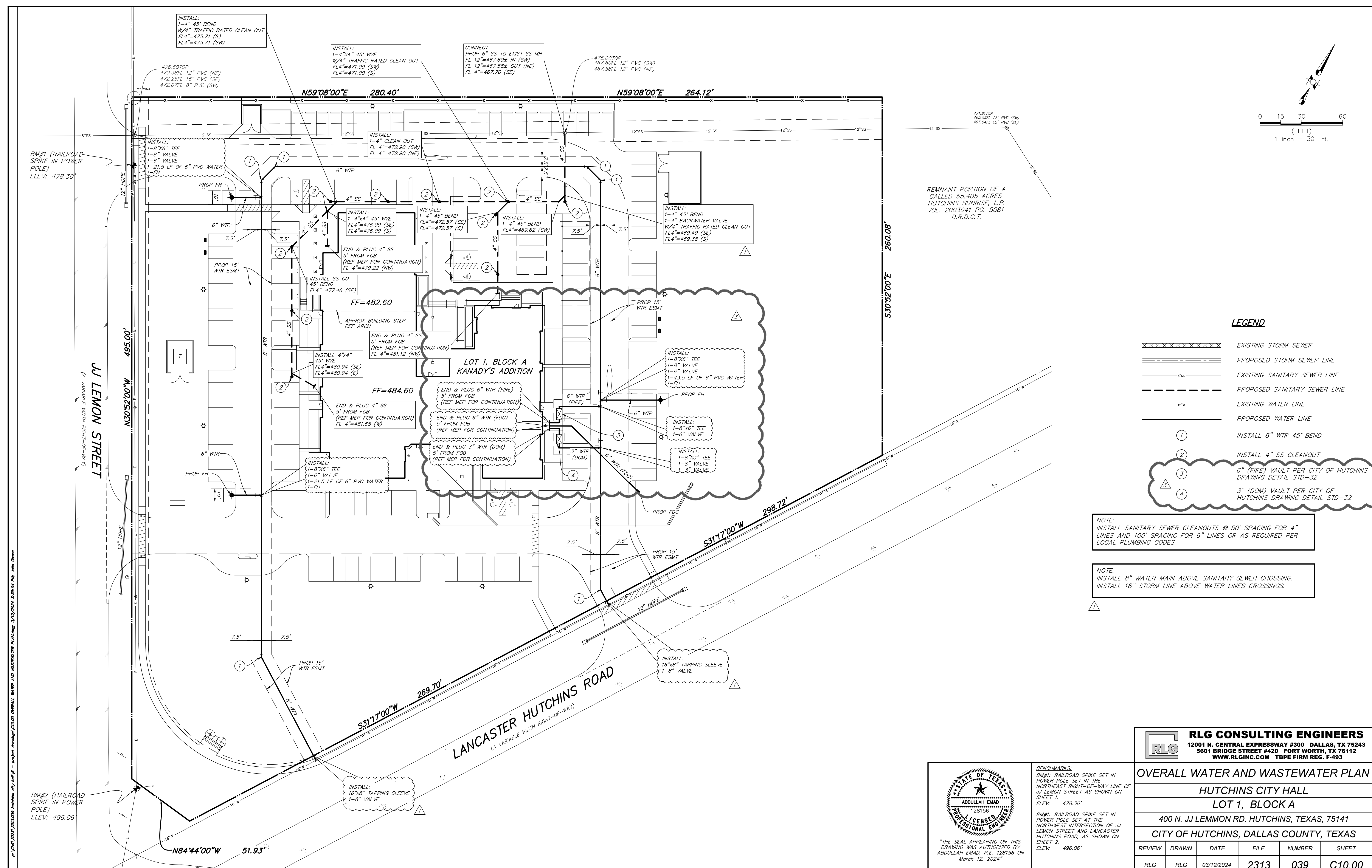
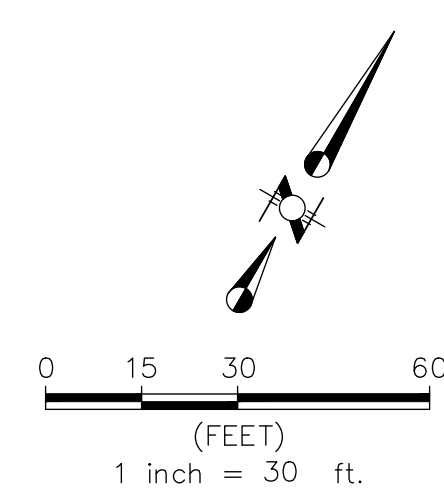
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**RLG CONSULTING ENGINEERS**  
 12001 N. CENTRAL EXPRESSWAY #300 DALLAS, TX 75243  
 5601 BRIDGE STREET #420 FORT WORTH, TX 76112  
 WWW.RLGINC.COM TBPE FIRM REG. F-493



**LEGEND**

- XXXXXXXXXX EXISTING STORM SEWER
- ===== PROPOSED STORM SEWER LINE
- EXISTING SANITARY SEWER LINE
- PROPOSED SANITARY SEWER LINE
- EXISTING WATER LINE
- PROPOSED WATER LINE
- ① INSTALL 8" WTR 45° BEND
- ② INSTALL 4" SS CLEANOUT
- ③ 6" (FIRE) VAULT PER CITY OF HUTCHINS DRAWING DETAIL STD-32
- ④ 3" (DOM) VAULT PER CITY OF HUTCHINS DRAWING DETAIL STD-32

NOTE:  
 INSTALL SANITARY SEWER CLEANOUTS @ 50' SPACING FOR 4" LINES, AND 100' SPACING FOR 6" LINES OR AS REQUIRED PER LOCAL PLUMBING CODES

NOTE:  
 INSTALL 8" WATER MAIN ABOVE SANITARY SEWER CROSSING.  
 INSTALL 18" STORM LINE ABOVE WATER LINES CROSSINGS.

**RLG CONSULTING ENGINEERS**  
 12001 N. CENTRAL EXPRESSWAY #300 DALLAS, TX 75243  
 5601 BRIDGE STREET #420 FORT WORTH, TX 76112  
 WWW.RLGINC.COM TBPE FIRM REG. F-493

**OVERALL WATER AND WASTEWATER PLAN**

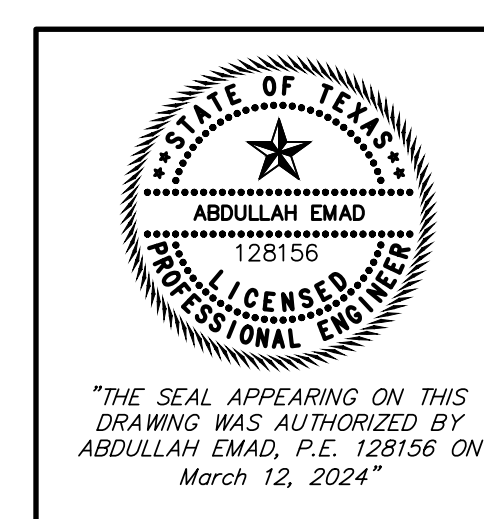
**HUTCHINS CITY HALL**

**LOT 1, BLOCK A**

400 N. JJ LEMMON RD., HUTCHINS, TEXAS, 75141

CITY OF HUTCHINS, DALLAS COUNTY, TEXAS

REVIEW	DRAWN	DATE	FILE	NUMBER	SHEET
RLG	RLG	03/12/2024	2313	039	C10.00



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 ELEV: 496.06'

Revisions: 1 02/22/2024 ADDENDUM 1  
 3 03/12/2024 ADDENDUM 3

Issue Date: 02.08.2024

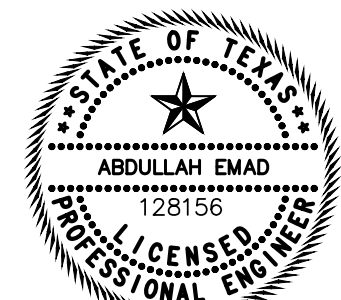
**Hutchins City Hall**

ADDENDUM 03  
 400 N. JJ LEMMON RD.  
 HUTCHINS, TX 75141

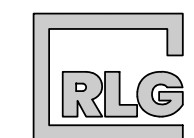
**OVERALL WATER AND WASTEWATER PLAN**

Project No.

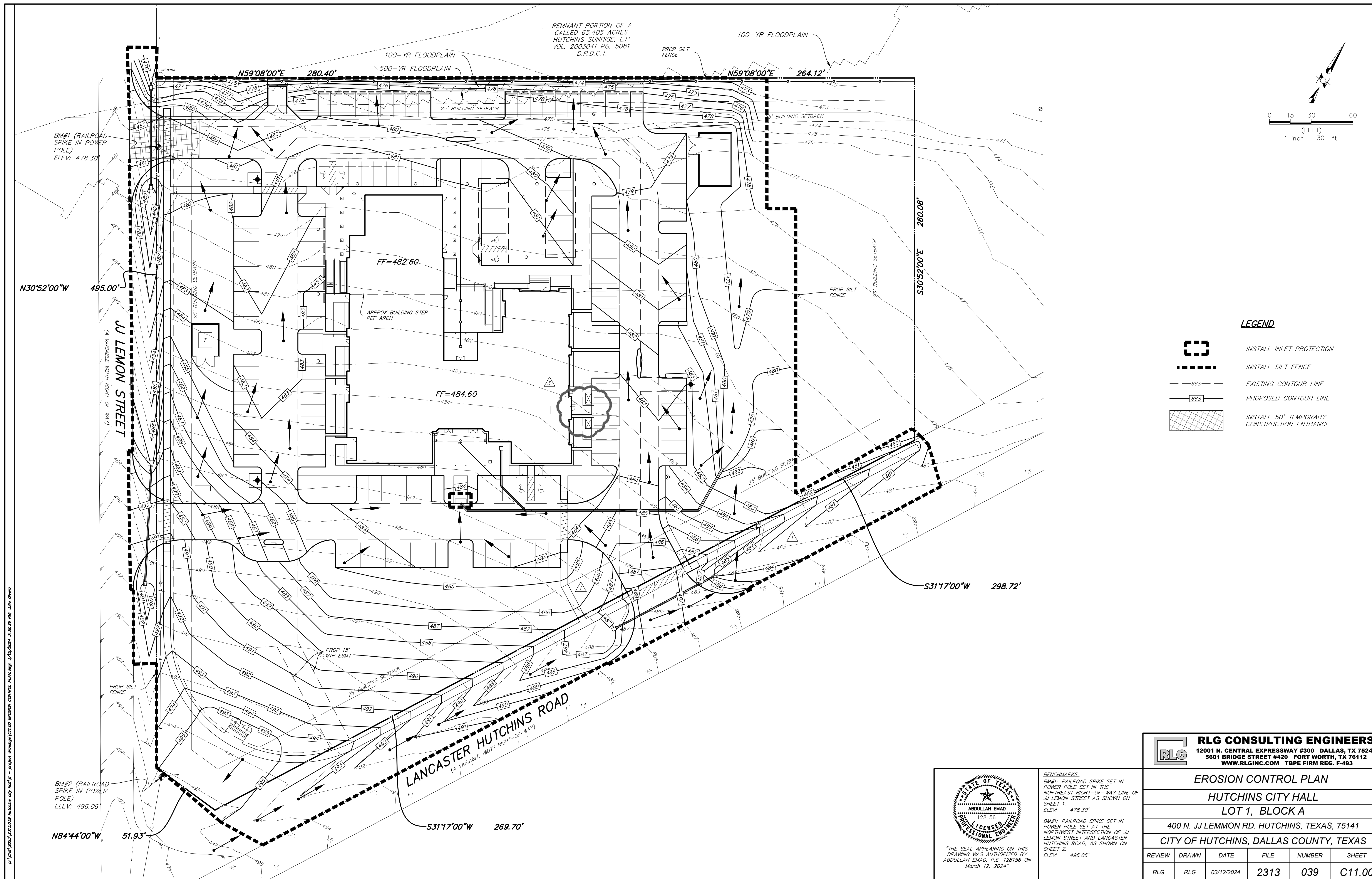
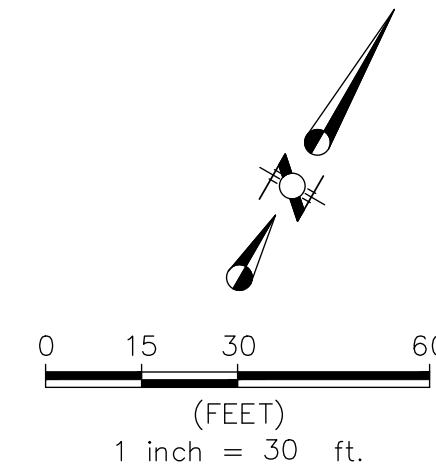
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**RLG CONSULTING ENGINEERS**  
 12001 N. CENTRAL EXPRESSWAY #300 DALLAS, TX 75243  
 5601 BRIDGE STREET #420 FORT WORTH, TX 76112  
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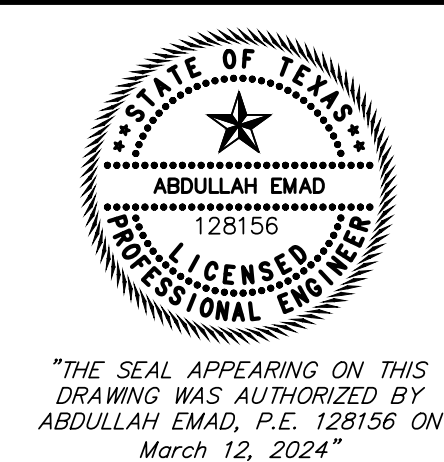


**LEGEND**

- INSTALL INLET PROTECTION
- INSTALL SILT FENCE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- INSTALL 50' TEMPORARY CONSTRUCTION ENTRANCE

**RLG CONSULTING ENGINEERS**  
 12001 N. CENTRAL EXPRESSWAY #300 DALLAS, TX 75243  
 5601 BRIDGE STREET #420 FORT WORTH, TX 76112  
 WWW.RLGINC.COM TBPE FIRM REG. F-493

<b>EROSION CONTROL PLAN</b>					
<b>HUTCHINS CITY HALL</b>					
<b>LOT 1, BLOCK A</b>					
400 N. JJ LEMMON RD. HUTCHINS, TEXAS, 75141					
CITY OF HUTCHINS, DALLAS COUNTY, TEXAS					
REVIEW	DRAWN	DATE	FILE	NUMBER	SHEET
RLG	RLG	03/12/2024	2313	039	C11.00



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 ELEV: 496.06'

Revisions: 1 02/22/2024 ADDENDUM 1  
 3 03/12/2024 ADDENDUM 3

Issue Date: 02.08.2024

**Hutchins City Hall**

ADDENDUM 03  
 400 N. JJ LEMMON RD.  
 HUTCHINS, TX 75141

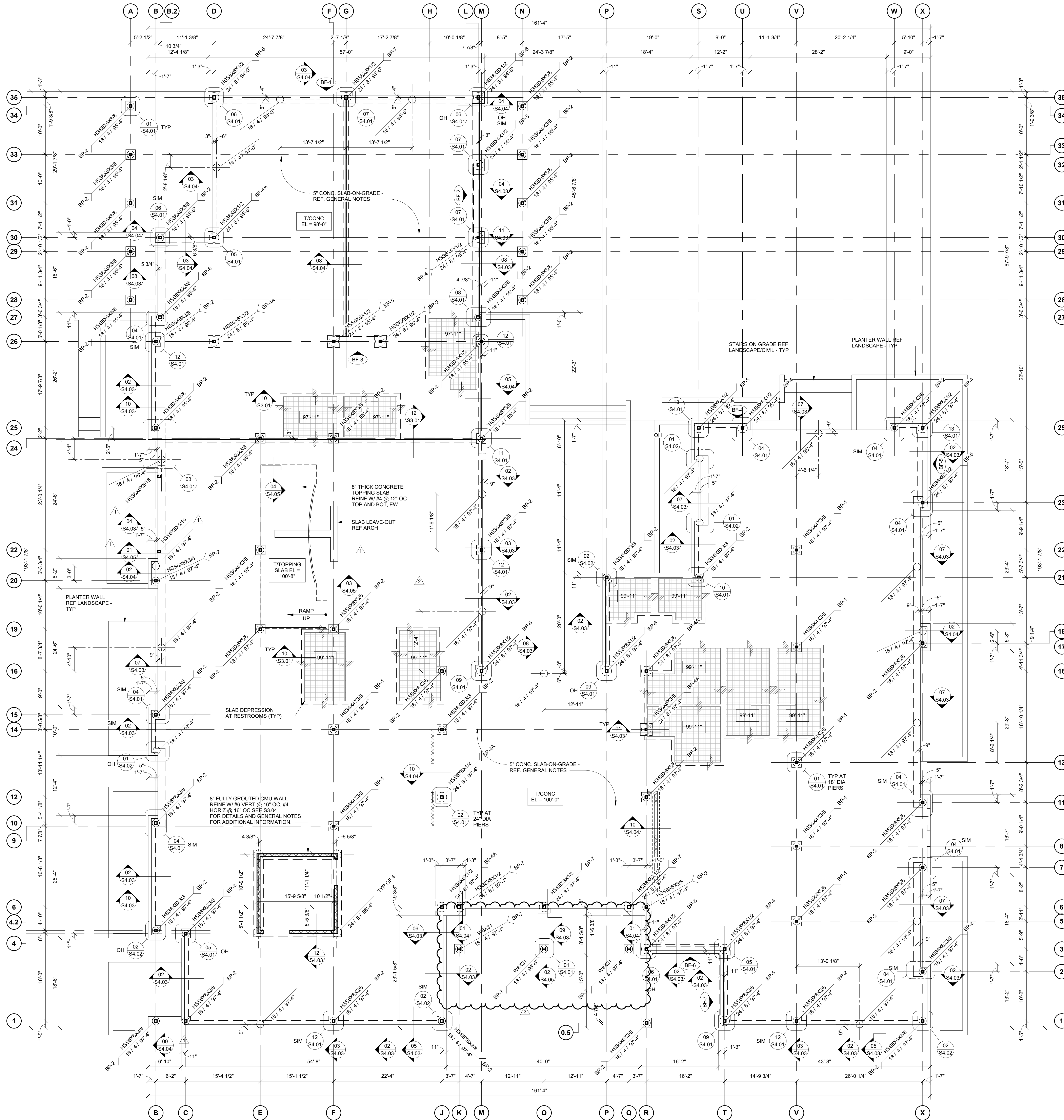
**EROSION CONTROL PLAN**

Project No.

**C11.00**



Plotted 3/12/2024 3:24:34 PM

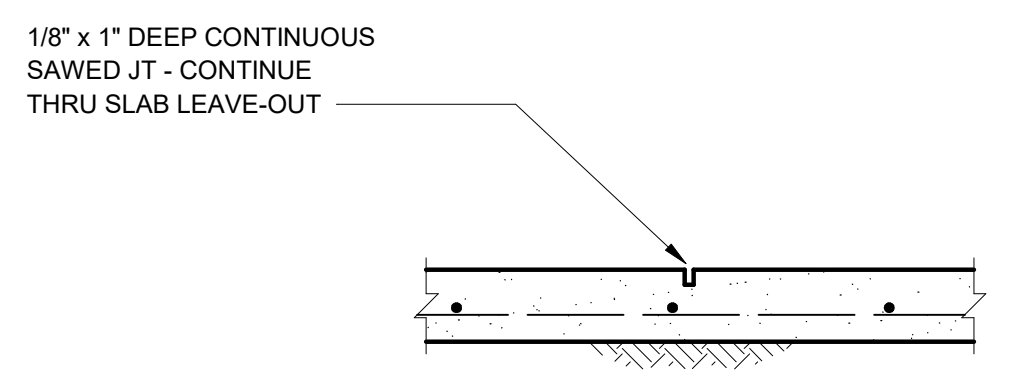
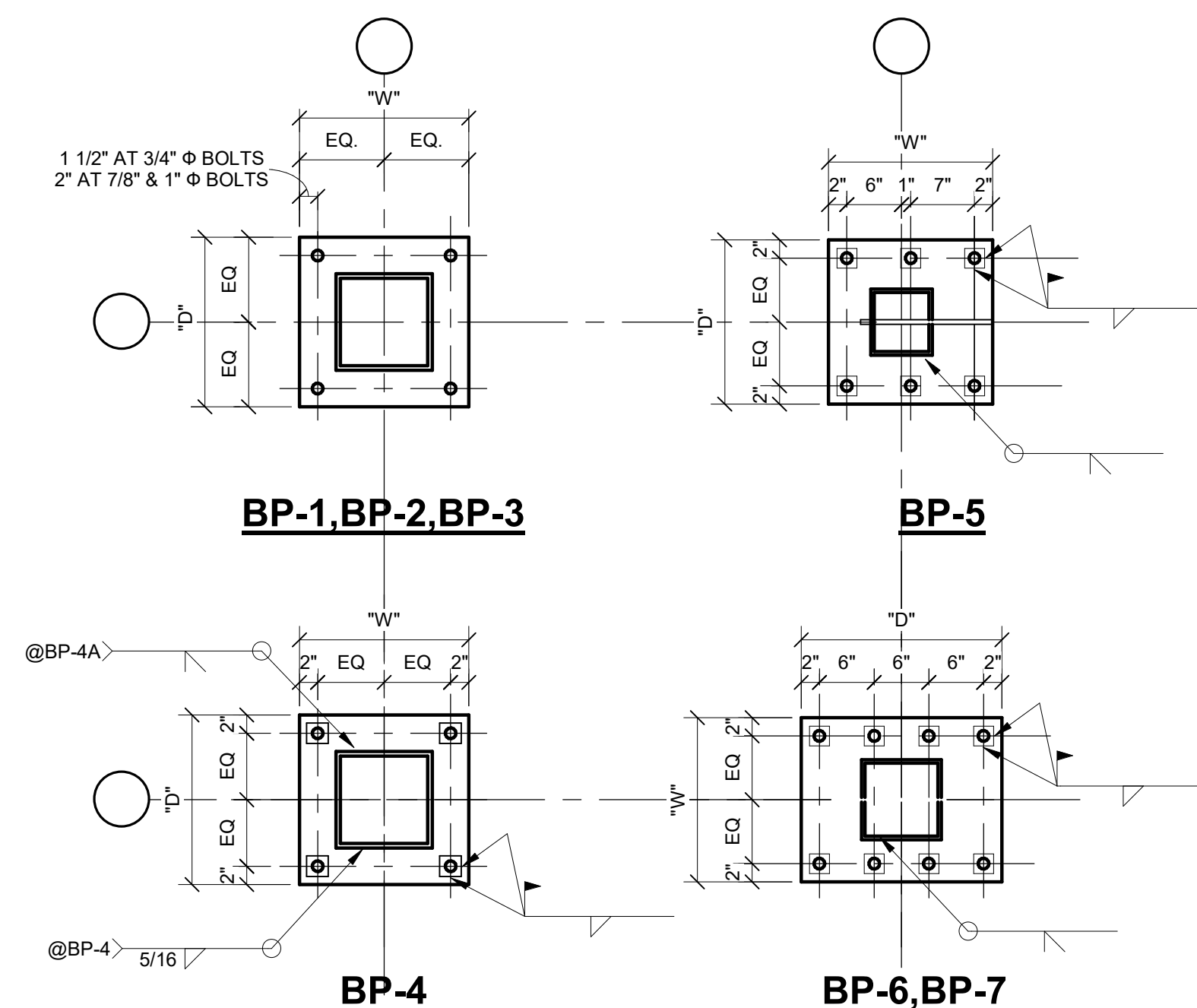


### 01 FOUNDATION PLAN

- 1/8" = 1'-0"
- PLAN NOTES:**
- ALL ELEVATIONS ARE REFERENCED TO LEVEL 1 FINISHED FLOOR. EL = 100'-0" (484.6'). REFERENCE SITE PLAN FOR ABSOLUTE ELEVATIONS.
  - SEE S1 SERIES FOR ABBREVIATIONS, GENERAL NOTES, AND SPECIAL INSPECTIONS.
  - SEE SHEET S3.01 FOR TYPICAL PIER DETAIL.
  - SEE S3 SERIES SHEETS FOR TYPICAL DETAILS.
  - XXXX-X - DENOTES TOP OF SLAB ELEVATION.
  - BF-X - DENOTES BRACED FRAME ELEVATION - SEE S6.01.
  - COLUMN AND PIER CALL OUT:
    - XXXX-X - DENOTES BASE PL (SEE SCHEDULE - S3.01)
    - T/ PIER EL
    - XXXX-X - PENETRATION (FEET) - SEE 01/S3.01
    - XXXX-X - PIER SHAFT DIAMETER (INCHES)
  - COORDINATE TOP OF PIER W/ TOP OF PAVING.
  - GC TO COORDINATE INFLOOR ELECTRICAL AND DTA CONDUIT/BOXES. REF TECHNOLOGY DRAWINGS.
  - GC TO PROVIDE SAWJOINT LOCATIONS IN SHOP DRAWINGS FOR ALL AREAS WITH EXPOSED CONCRETE.

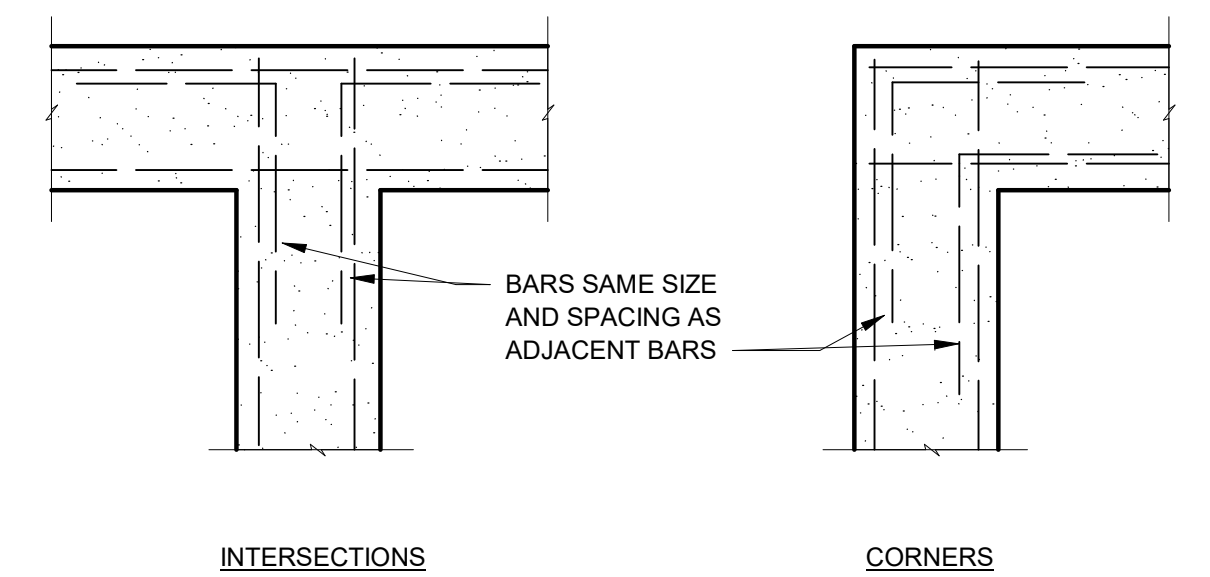


Project No.	<b>S2.01</b>
23046	

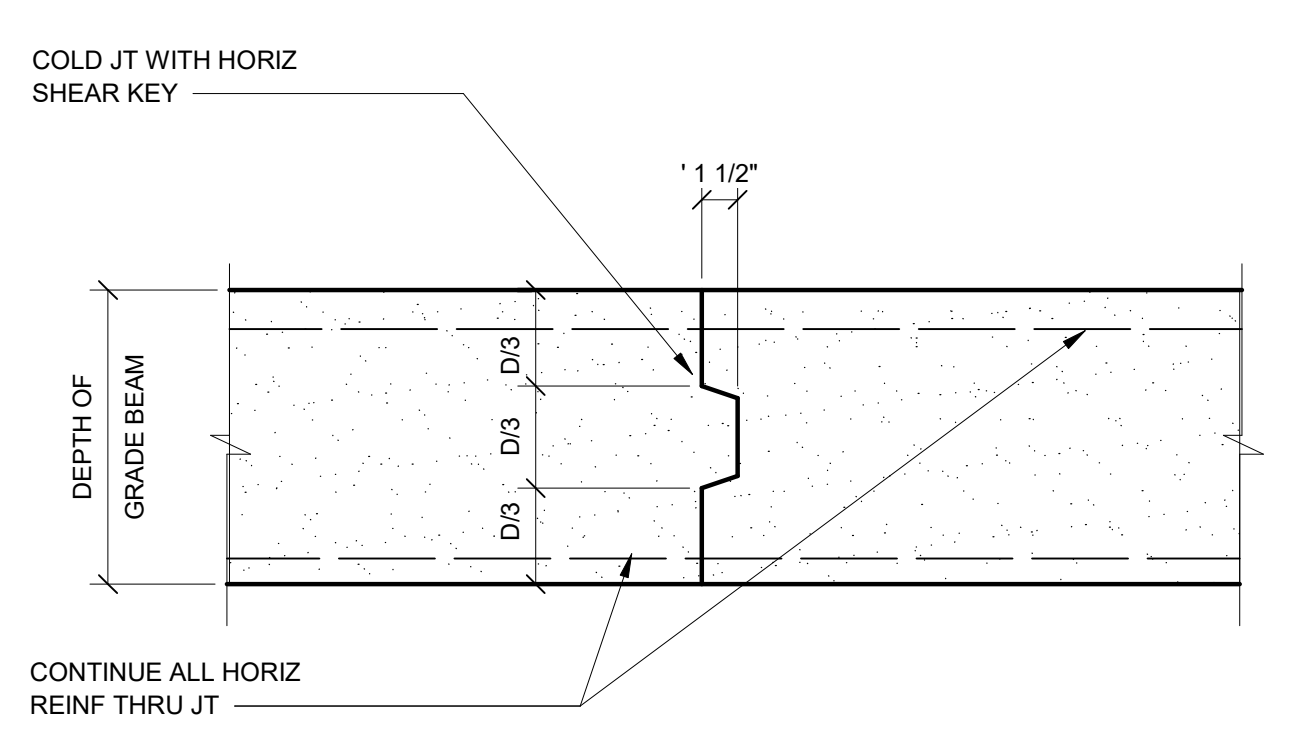


NOTE: JOINTS MUST BE CUT WITHIN 8 HRS AFTER POUR

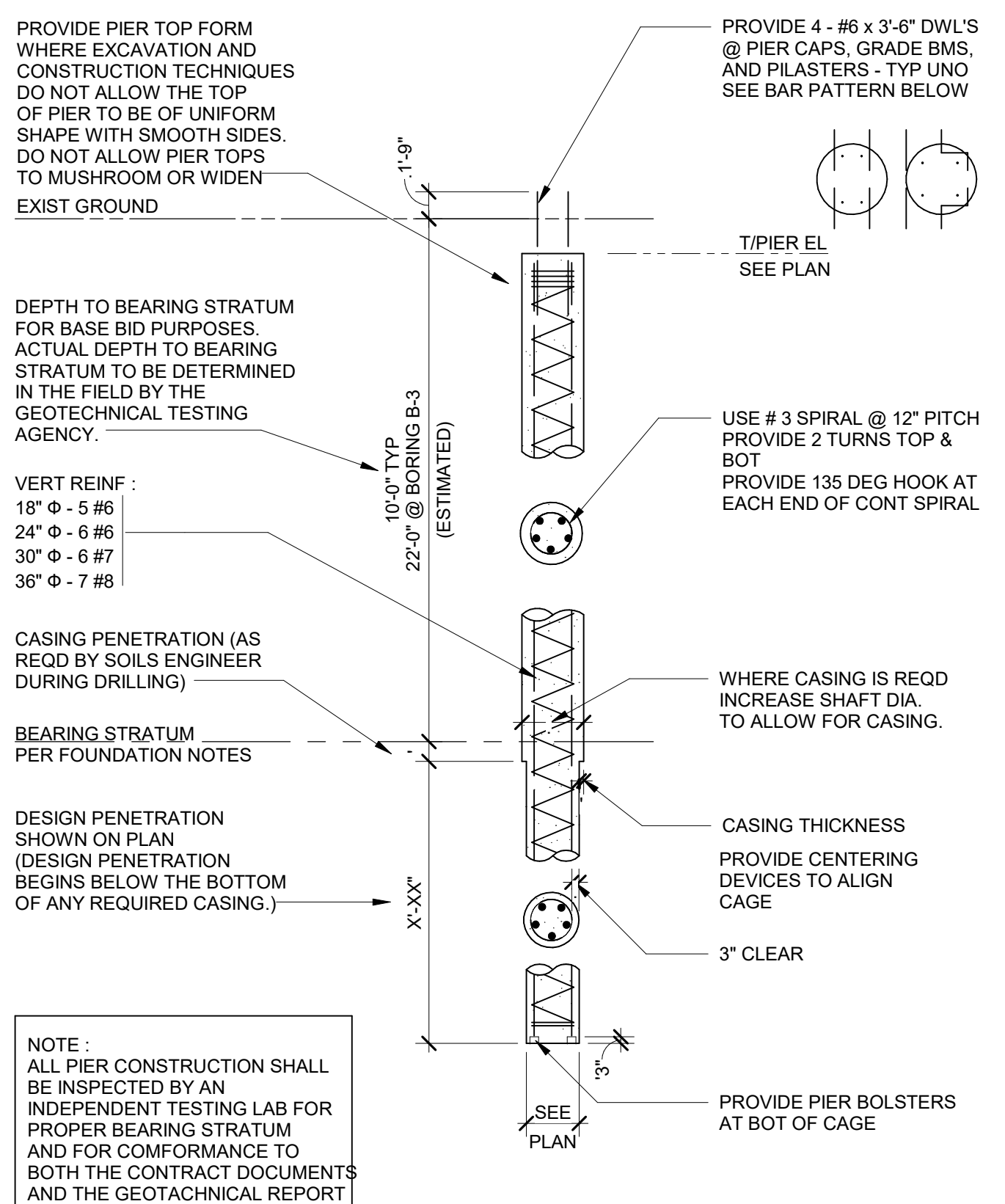
08 TYPICAL SLAB ON GRADE SAWED JOINT



03 TYPICAL CORNER BARS



04 TYPICAL GRADE BEAM CONSTRUCTION JOINT  
NOTE: LOCATE JOINT IN MIDDLE THIRD OF SPAN

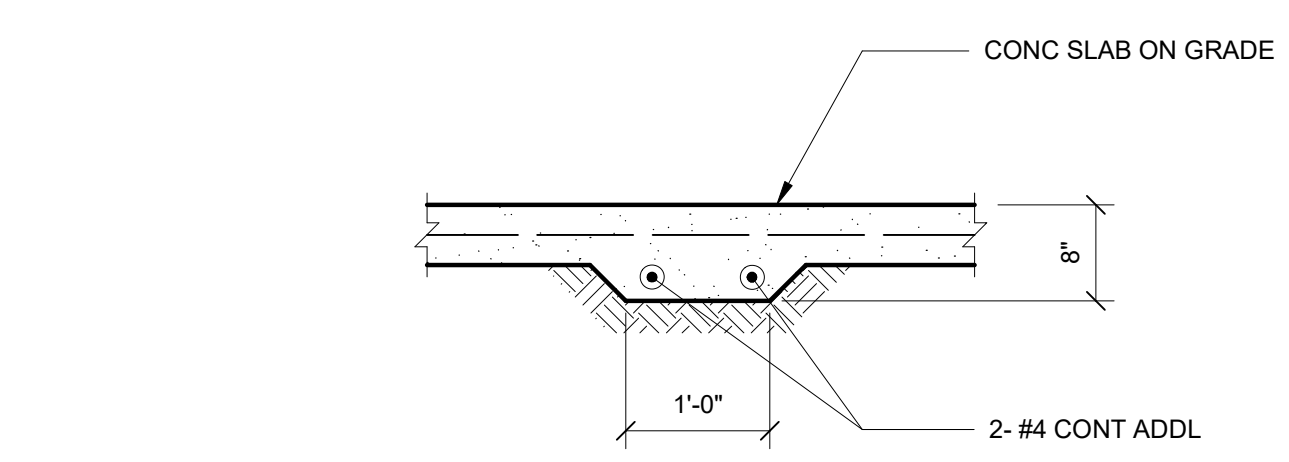


01 TYPICAL STRAIGHT SHAFT PIER  
NOTE: MINIMUM TOTAL PIER LENGTH TO BE 10'-0"

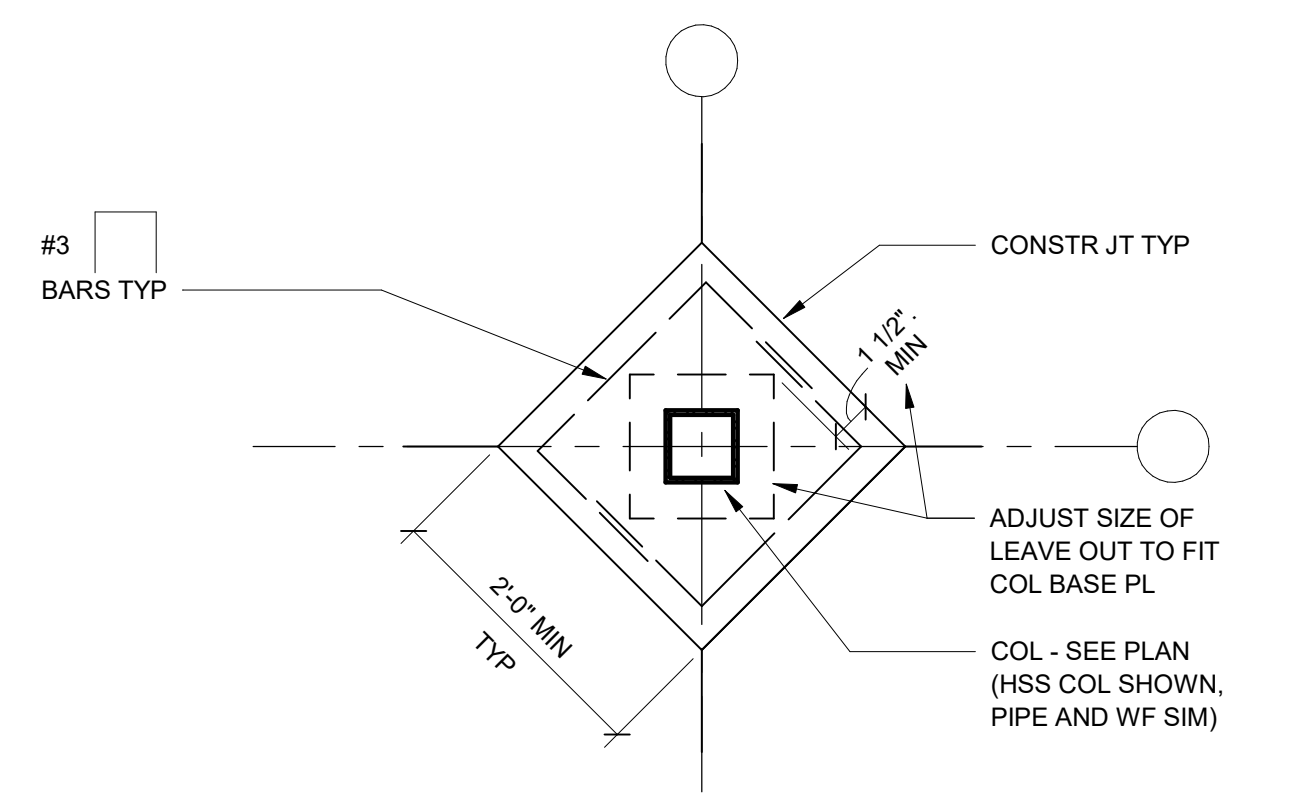
PLATE SCHEDULE						
MARK	COLUMN SIZE	D	W	T	ANCHORS	TYPE
BP-1	HSS6X4	12	12	3/4"	4-3/4" DIA	A
BP-2	HSS6X6	12	12	3/4"	4-3/4" DIA	A
BP-3	NOT USED					
BP-4/4A	HSS6X6	14	14	1 1/4"	4-1 1/4" DIA	B
BP-5	HSS6X6	18	14	1 3/8"	6-1 1/4" DIA	B
BP-6	HSS8X6	22	14	1 1/4"	8-1 1/4" DIA	B
BP-7	HSS8X8, W8	22	18	1 1/4"	8-1 1/4" DIA	B

NOTE: PROVIDE AISC STANDARD OVERSIZED BOLT HOLES FOR ALL BASE PLATES.

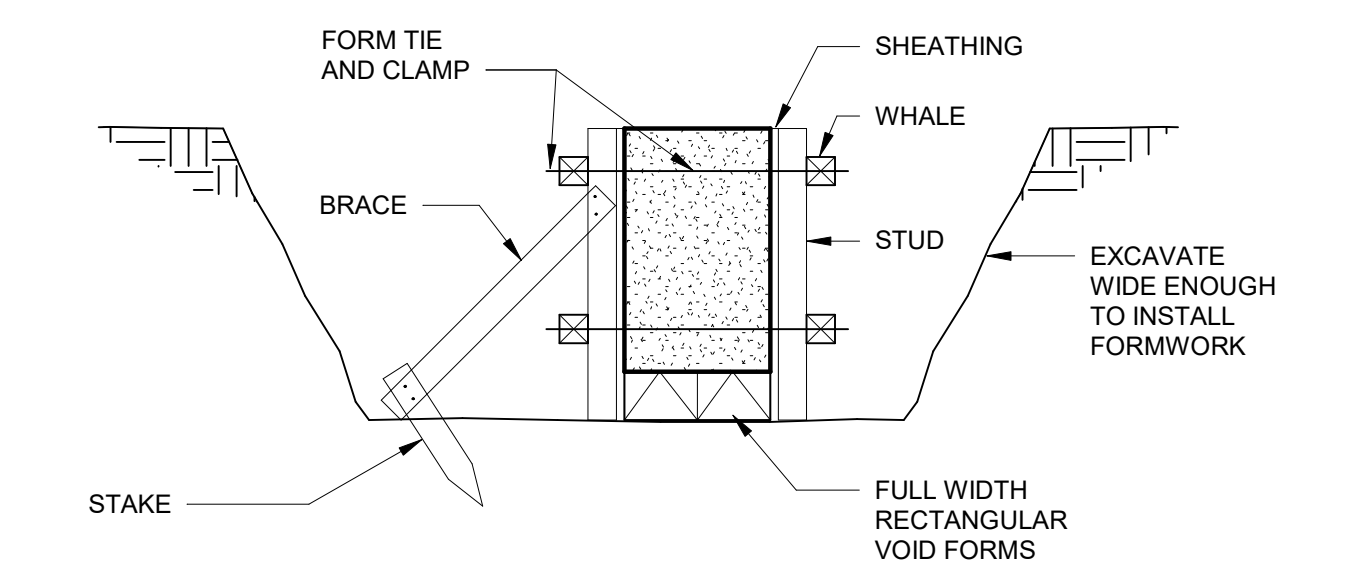
13 TYPICAL BASE PLATE SCHEDULE



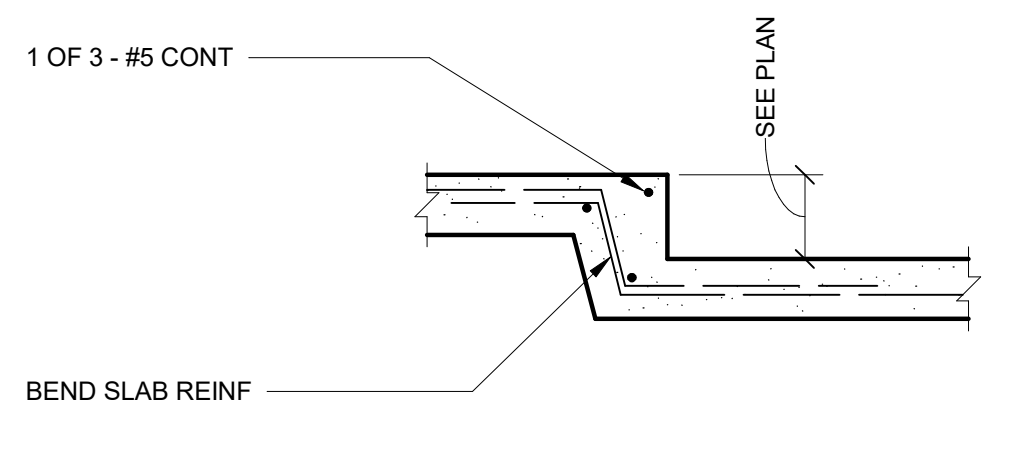
09 TYPICAL THICKENED SLAB



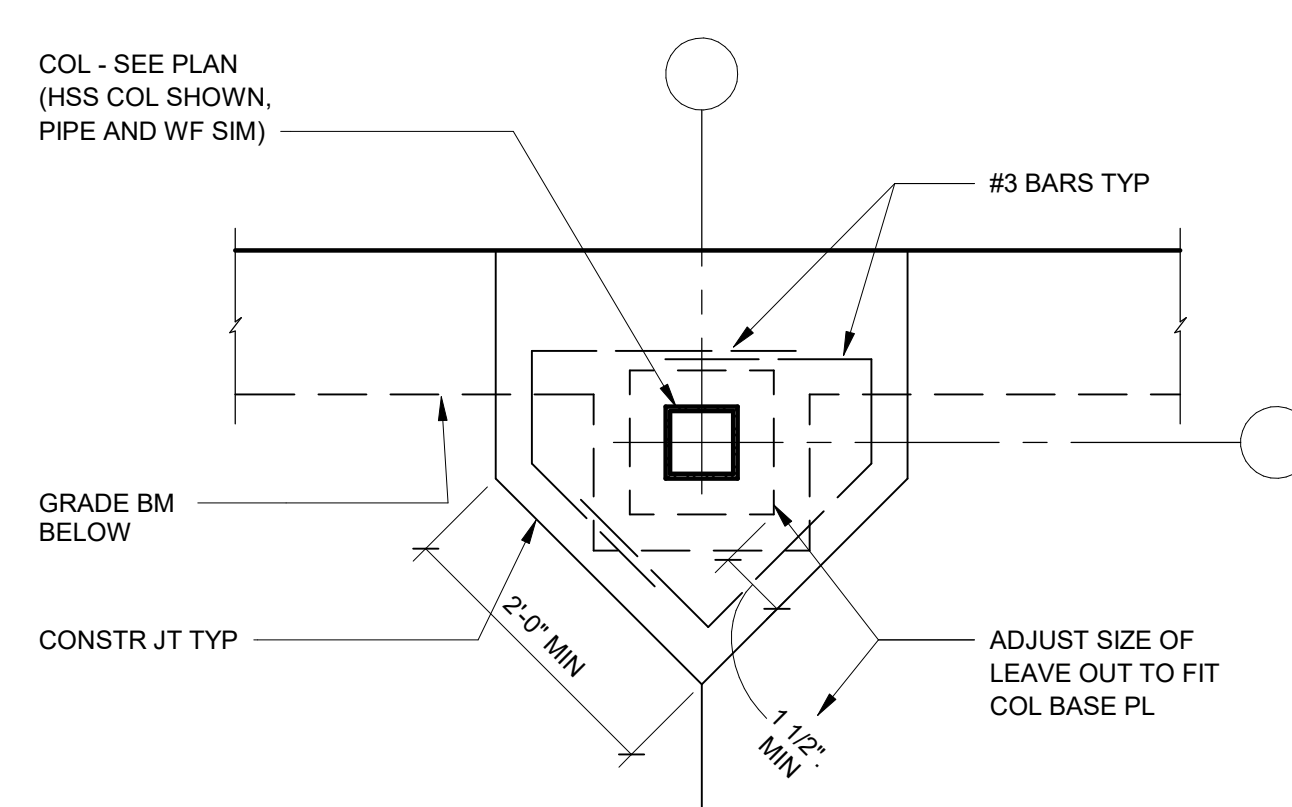
05 TYPICAL CONSTRUCTION JOINT AT INTERIOR COLUMN



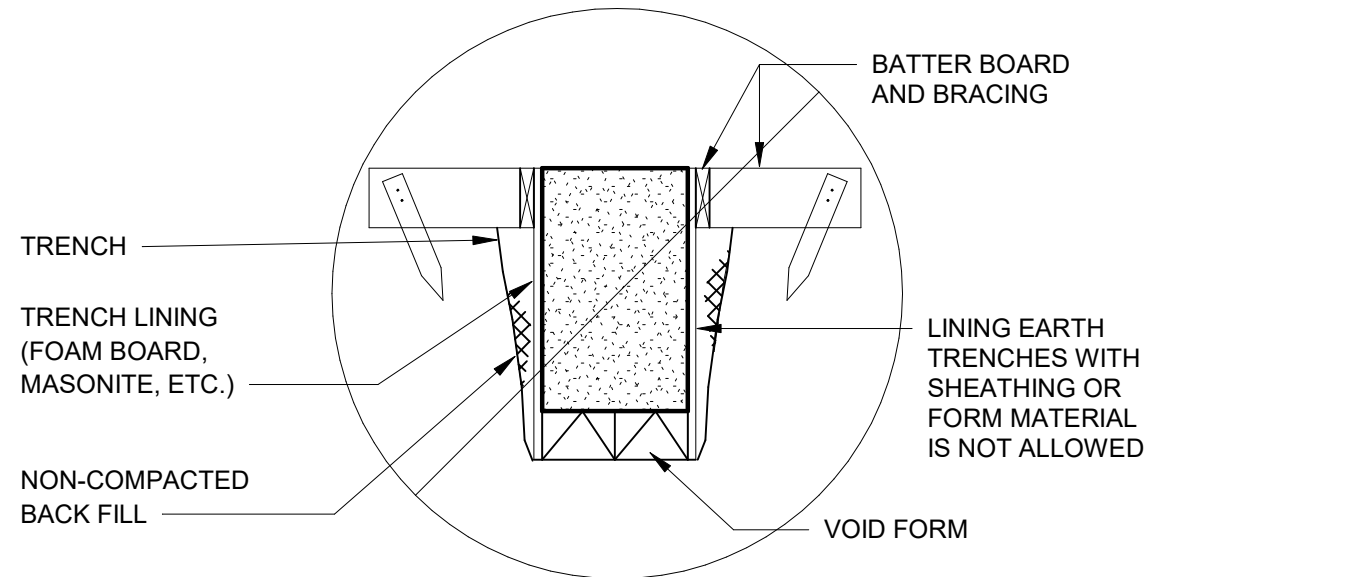
A EXAMPLE OF ACCEPTABLE FORMWORK



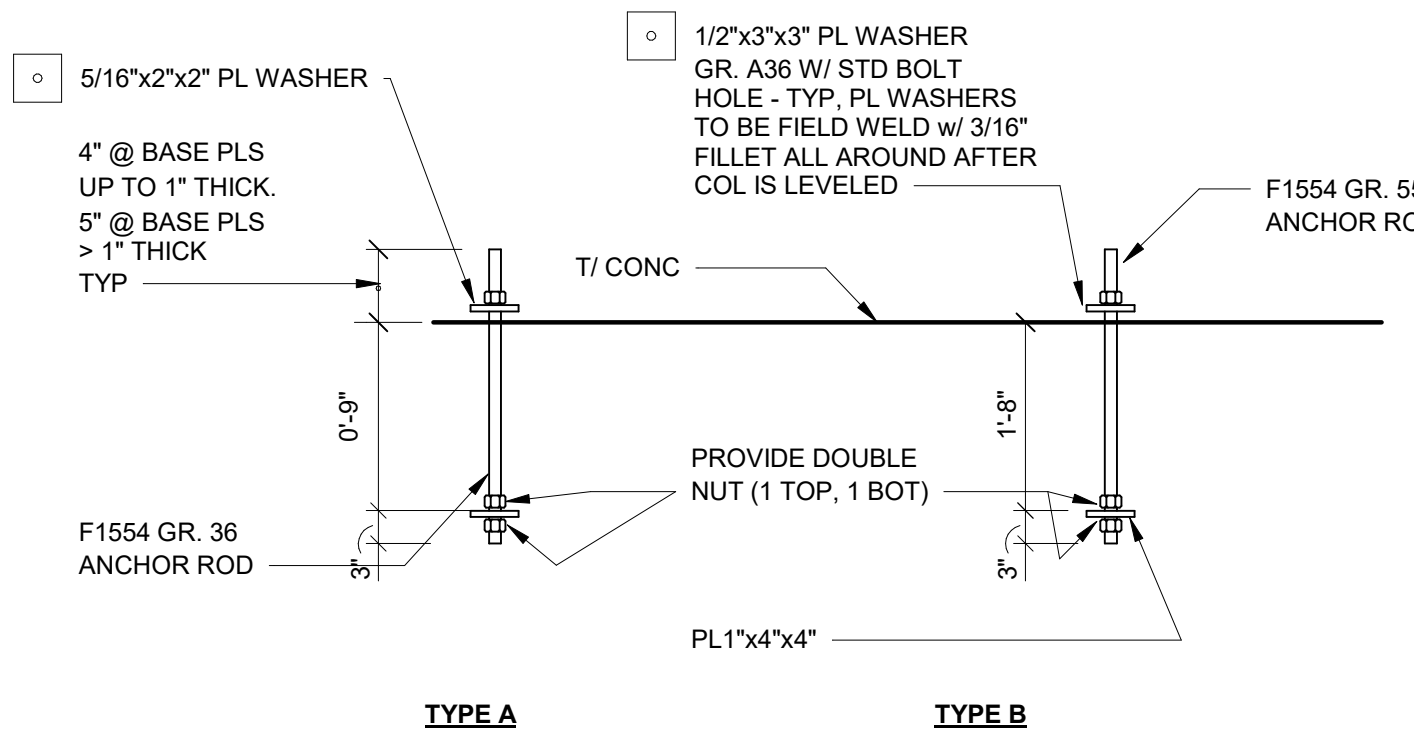
10 TYPICAL SLAB DEPRESSION



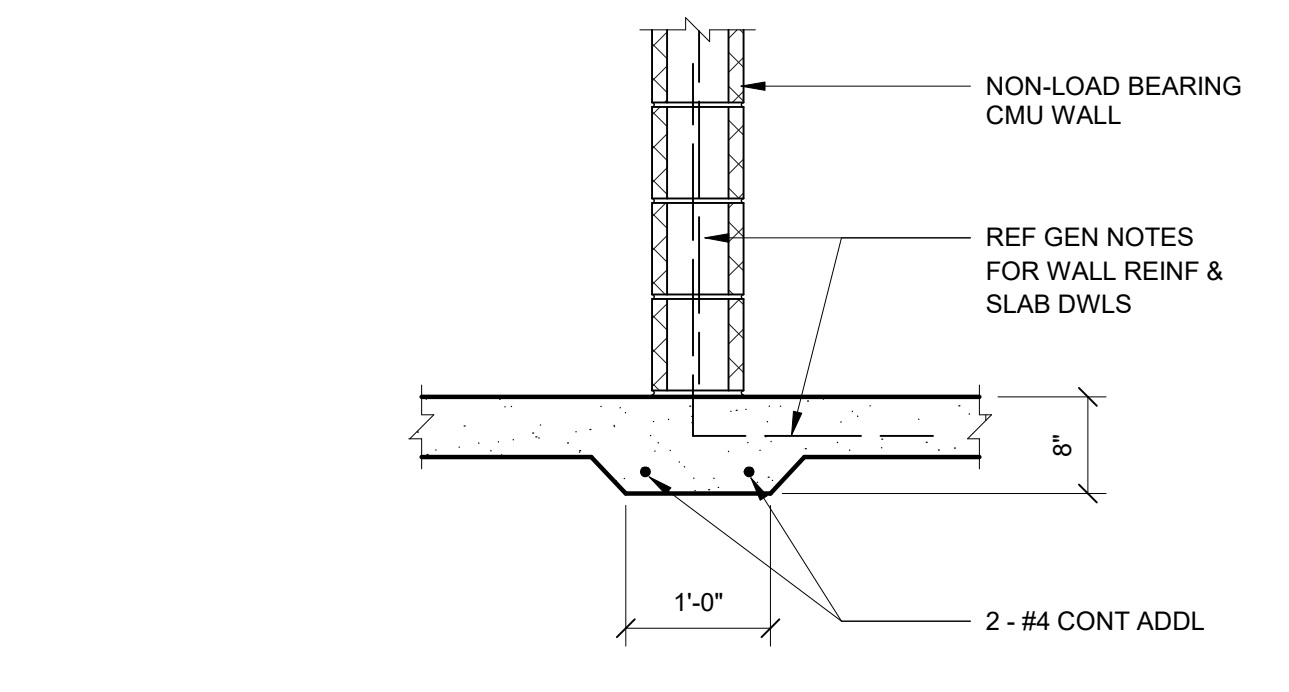
06 TYPICAL CONSTRUCTION JOINT AT EXTERIOR COLUMN



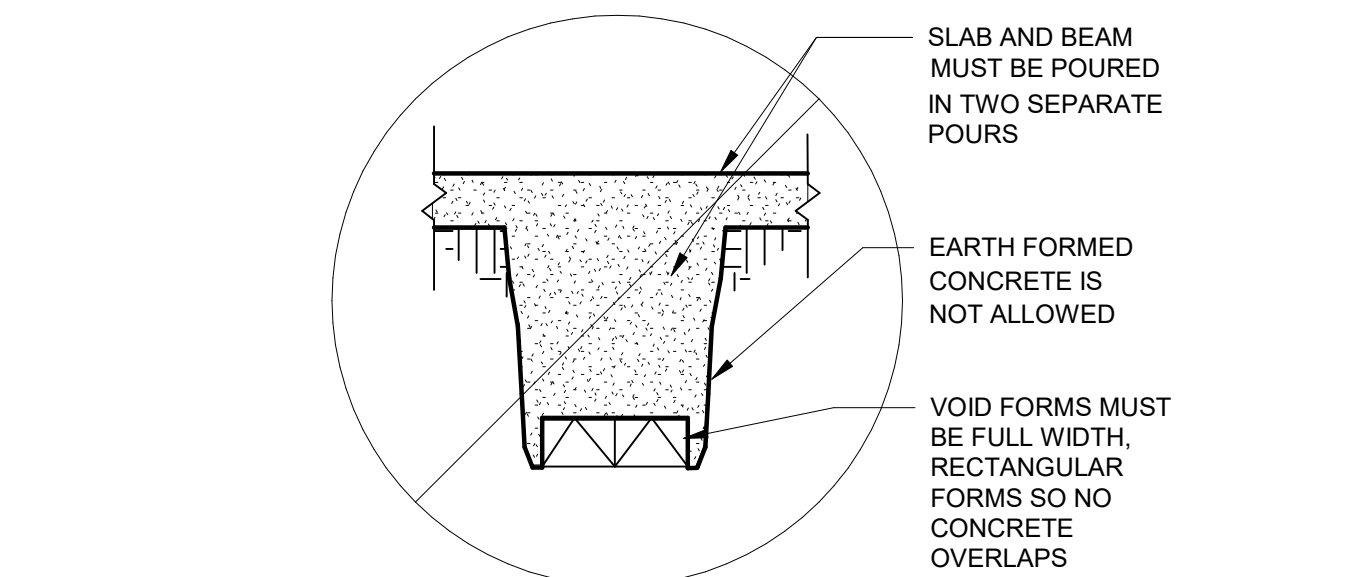
B EXAMPLE OF UNACCEPTABLE FORMING



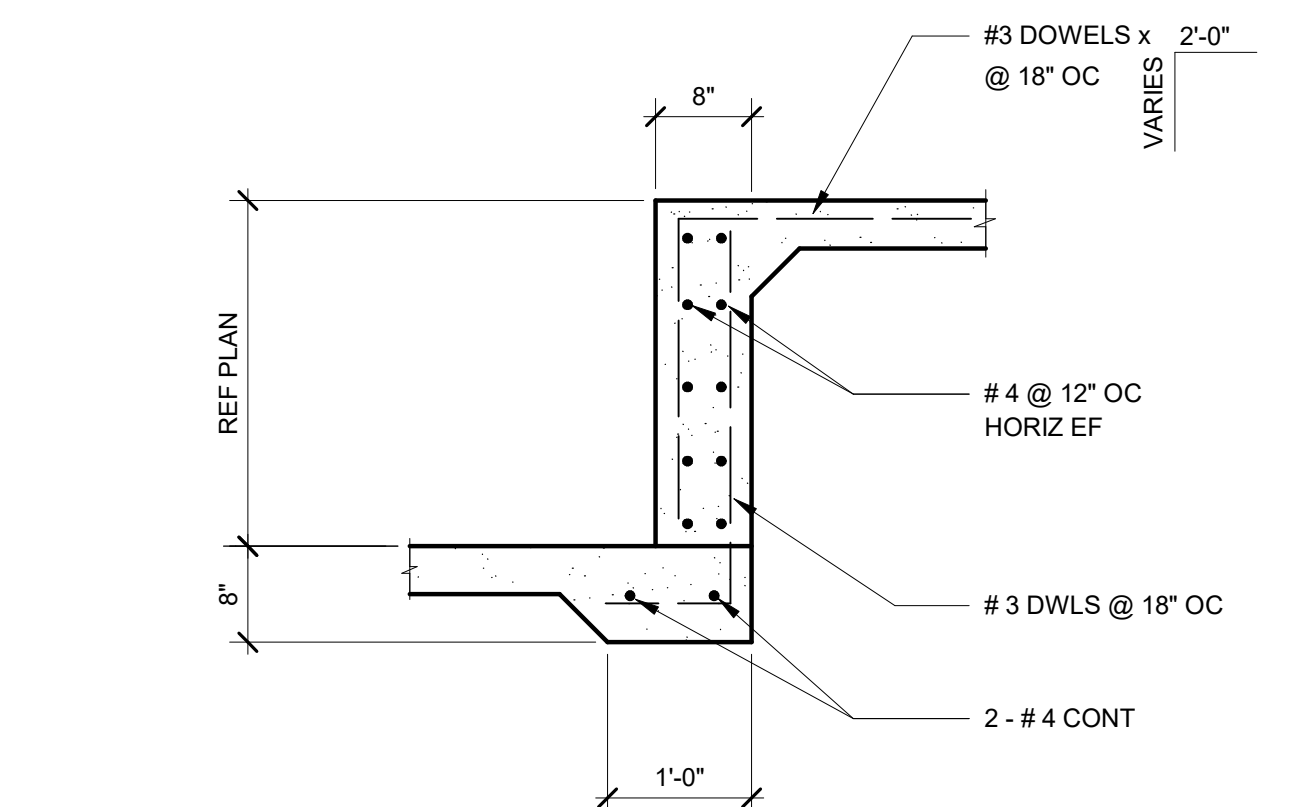
14 TYPICAL ANCHOR RODS



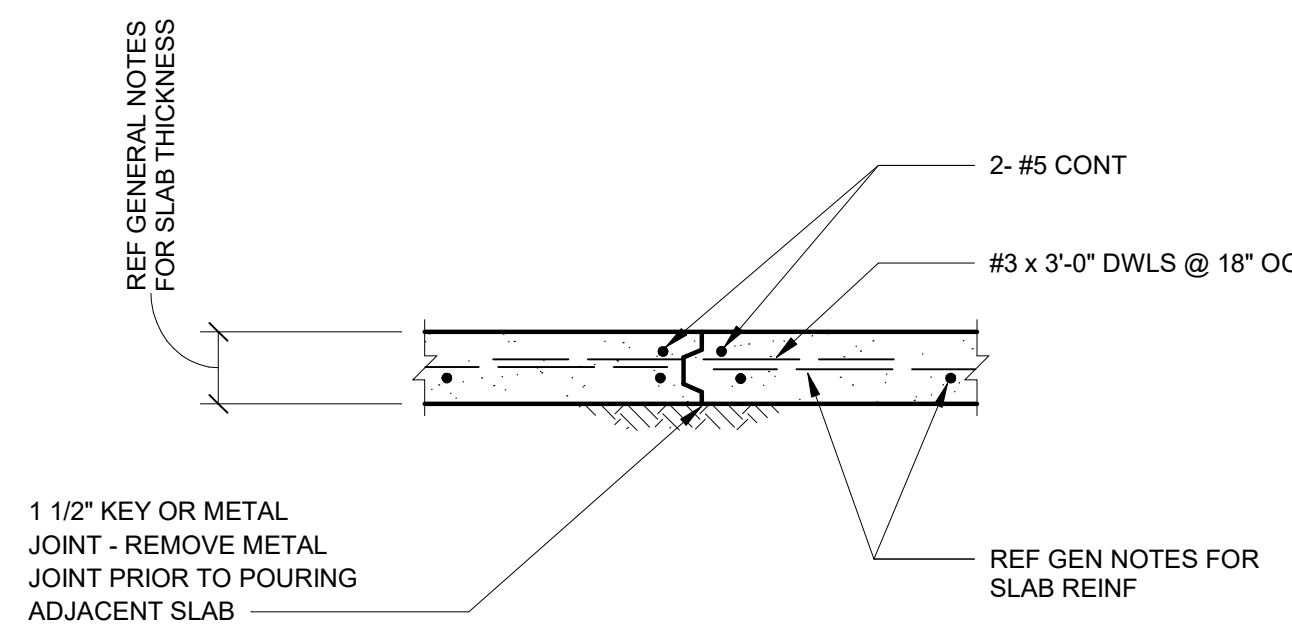
11 TYPICAL THICKENED SLAB AT CMU  
(PROVIDE @ BASE OF NON-LOAD BEARING CMU WALLS)



C EXAMPLE OF UNACCEPTABLE FORMING



12 TYPICAL SLAB ON GRADE CONSTRUCTION JOINT



07 TYPICAL SLAB ON GRADE CONSTRUCTION JOINT

1. THE DETAIL SHOWN IS DIAGMATICAL. THE DESIGN AND CONSTRUCTION OF ALL FORMWORK IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ACI 307 AND ACI 117 FOR TOLERANCES. NEITHER EARTH TRENCHES NOR EARTH TRENCHES LINED WITH SHEATHING WILL BE ACCEPTABLE.  
2. AFTER CONCRETE HAS CURED, FORMS SHALL BE STRIPPED AND REMOVED. INSPECT VOID FORMS AND REPLACE FORMS THAT COLLAPSED DURING THE CONCRETE POUR. INSTALL SOIL RETAINERS ADJACENT TO VOID FORMS, BACKFILL AND PROPERLY COMPACT SOIL AROUND GRADE BEAM.  
3. THE SLAB SHALL BE A SECONDARY POUR.

02

GENERAL, CIVIL, LANDSCAPE, STRUCTURAL, ARCHITECTURAL, PLUMBING tables with columns for date, sheet number, and description.

MECHANICAL, ELECTRICAL, TECHNOLOGY, SECURITY tables with columns for date, sheet number, and description.

ARCHITECTURAL SYMBOLS table listing symbols for View Symbols, Life Safety Symbols, and Accessibility Symbols.

ABBREVIATIONS LIST table listing abbreviations for mechanical, electrical, and structural components.

ARCHITECTURAL SYMBOLS table listing symbols for Referencing Symbols, Datum Symbols, Annotation Symbols, Building Symbols, Finish Symbols, and Type Mark / Mark Symbols.

PROJECT GENERAL NOTES section containing 30 numbered notes detailing project requirements, standards, and procedures.



Lexington Cincinnati Cleveland Dallas Charleston

Revisions: NUMBER DATE DESCRIPTION table with 3 entries.

Issue Date: FEBRUARY 8, 2024

400 N. JJ Lemon Rd. Hutchins, TX 75141

GENERAL NOTES AND LEGENDS

Project No.

23046

G-100

### PROJECT INFORMATION

PROJECT NAME: Hutchins City Hall  
PROJECT ADDRESS: 400 N. JJ Lemon Rd.  
Hutchins, TX 75141  
ZONING:

### APPLICABLE CODES

- 2018 International Building Code
- 2018 International Energy Conservation Code
- 2018 International Mechanical Code
- 2017 National Electrical Code
- 2018 International Plumbing Code
- 2018 International Fuel Gas Code
- 2018 International Fire Code
- 2012 Texas Accessibility Standard

Gross Building Area	20,962 SF
---------------------	-----------

Occupancy Group	Area	Minimum One Parking per S.F.	Required	Comments
A-3	4,178 SF	300 SF	17	
B	16,375 SF	300 SF	59	

### CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION

OCCUPANCY GROUP	OCCUPANCY CLASSIFICATION
A-3	Assembly
B	Business

### CHAPTER 5 GENERAL BUILDING HEIGHT AND AREAS

OCCUPANCY CLASSIFICATION	SPRINKLE	TYPE OF CONSTRUCTION V-B
A	S1	60
B	S1	60

OCCUPANCY CLASSIFICATION	SPRINKLE	TYPE OF CONSTRUCTION V-B
A	S1	3
B	S1	3

OCCUPANCY CLASSIFICATION	SPRINKLE	TYPE OF CONSTRUCTION V-B
A	S1	24,000
B	S1	36,000

Building Height (Feet)	Building Height (Stories)	Building Area
Limited to 57	Limited to 3	Limited to 24,000 sq ft
Proposed: 29-7	Proposed: 1	Proposed: 20,962 sq ft

### CHAPTER 6 TYPES OF CONSTRUCTION

Types II-B
Types I and II construction are those types of construction in which the building elements listed in Table 601 are of noncombustible materials, except as permitted in Section 603 and elsewhere in this code.

BUILDING ELEMENT	TYPE II-B
Primary structural frame (see Section 202)	0
Bearing Walls	0
Interior	0
Nonbearing walls and partitions	See Table 602
Exterior	0
Nonbearing walls and partitions	0
Interior	0
Floor construction and associated secondary members (see Section 202)	0
Roof construction and associated secondary members (see Section 202)	0

FIRE SEPARATION DISTANCE (FEET)	TYPE OF CONSTRUCTION	H	F1, M, S1	A, B, E, F-2, I, R, S-2, U
X < 5'	V-B	3	2	1
5 ≤ X < 10	V-B	2	1	1
10 ≤ X < 30	V-B	1	0	0
X ≥ 30	V-B	0	0	0

- a. Load-bearing exterior walls shall also comply with the fire-resistance rating requirements of Table 601.
- b. See Section 706.1.1 for party walls.
- c. Open parking garages complying with Section 405 shall not be required to have a fire-resistance rating.
- d. The fire-resistance rating of an exterior wall is determined based upon the fire separation distance of the exterior wall and the story in which the wall is located.
- e. For special requirements for Group H occupancies, see Section 415.6.
- f. For special requirements for Group S occupancies, see Section 412.3.1.
- g. Where Table 705.5 permits nonbearing exterior walls with unlimited area of unprotected openings, the required fire-resistance rating for the exterior walls is 0 hours.
- h. For a building containing only a Group U occupancy private garage or carport, the exterior wall shall not be required to have a fire-resistance rating where the fire separation distance is 5 feet (1523 mm) or greater.
- i. For a Group R-3 building of Type II-B or Type V-B construction, the exterior wall shall not be required to have a fire-resistance rating where the fire separation distance is 5 feet (1523 mm) or greater.

### CHAPTER 8 INTERIOR FINISHES

Class A	Class B	Class C
Flame spread index 0-25; smoke-developed index 0-450	Flame spread index 26-75; smoke-developed index 4-60	Flame spread index 76-200; smoke-developed index 0-450

Occupancy Group	SPRINKLED			NON-SPRINKLED		
	Exit Enclosures and Exit Pathways	Corridors	Rooms Enclosed and Enclosed Spaces	Exit Enclosures and Exit Pathways	Corridors	Rooms Enclosed and Enclosed Spaces
A-3	B	B	C	A	A*	C
B	B	C*	C	A	B	C

- a. Class C interior finish materials shall be permitted for wainscoting or paneling of not more than 1,000 square feet of applied surface area in the grade lobby where applied directly to a noncombustible base or over furring strips applied to a noncombustible base and firelocked as required by Section 803.15.1.1.
- b. In other than Group I-3 occupancies in buildings less than three stories above grade plane, Class B interior finish for nonsprinkled buildings and Class C interior finish for sprinklered buildings shall be permitted in interior exit stairways and ramps.
- c. Requirements for rooms and enclosed spaces shall be based on spaces enclosed by partitions. Where a fire-resistance rating is required for structural elements, the enclosing partitions shall extend from the floor to the ceiling. Partitions that do not comply with this shall be considered to be enclosing spaces and the rooms or spaces on both sides shall be considered to be one room or space. In determining the applicable requirements for rooms and enclosed spaces, the specific occupancy thereof shall be the governing factor regardless of the group classification of the building or structure.
- d. Lobby areas in Group A-1, A-2 and A-3 occupancies shall be not less than Class B materials.
- e. Class C interior finish materials shall be permitted in places of assembly with an occupant load of 300 persons or less.
- f. For places of religious worship, wood used for ornamental purposes, trusses, paneling or chancel furnishing shall be permitted.
- g. Class B material is required where the building exceeds two stories.
- h. Class C interior finish materials shall be permitted in administrative spaces.
- i. Class C interior finish materials shall be permitted in rooms with a capacity of four persons or less.
- j. Class B materials shall be permitted as wainscoting extending not more than 48 inches above the finished floor in corridors and exit access stairways and ramps.
- k. Finish materials as provided for in other sections of this code.
- l. Applies when protected by an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.
- m. Corridors in ambulatory care facilities shall be provided with Class A or B materials.

### CHAPTER 10 MEANS OF EGRESS

FUNCTION OF SPACE	AREA	OCC. LOAD FACTOR	NUMBER OF OCCUPANTS
Assembly without fixed seats - Concentrated (chairs only—not tread)	2,412 SF	7 SF/Nat	344.00
Assembly without fixed seats - Standing Space	1,366 SF	5 SF/Nat	271.20
Assembly without fixed seats - Unconcentrated Chairs	1,208 SF	15 SF/Nat	80.50
Business areas	15,167 SF	150 SF/Cross	101.11
Stages and platforms	410 SF	15 SF/Nat	27.32
TOTAL	20,553 SF		824.73

NAME	OCCUPANT LOAD	EGRESS FACTOR	REQUIRED EGRESS SIZE
Business	40.06	0.2	8'
Business	31.17	0.2	6 1/4"
Business	13.00	0.2	2 5/8"
Business	1.88	0.2	3 3/8"
Conference Rm	17.02	0.2	3 3/8"
Conference Rm	21.80	0.2	4 3/8"
Conference Rm	17.12	0.2	3 3/8"
Conference Rm	24.56	0.2	4 7/8"
Council/Court Room	271.20	0.2	54 1/4"
Council/Court Stage	27.32	0.2	5 1/2"
Event Center	172.02	0.2	34 1/2"
Event Center	172.02	0.2	34 3/8"
Lobby	15.00	0.2	3"
TOTAL			165'

FROM	TO	CLEAR EXIT WIDTH
CORRIDOR 108	EXTERIOR	32"
BREAK ROOM 113	EXTERIOR	32"
WORK ROOM 122	EXTERIOR	32"
JUDGES OF COUNCIL WS 125	EXTERIOR	32"
BREAK ROOM 154	EXTERIOR	32"
WORK AREA/FUTURE WORK STATIONS 147	EXTERIOR	32"
ENTRY VESTIBULE 128	EXTERIOR	68"
COMMUNITY EVENT SPACE 129	EXTERIOR	68"
COUNCIL CHAMBER COURT RM 124	EXTERIOR	32"
COMMUNITY EVENT SPACE 129	EXTERIOR	32"
COMMUNITY EVENT SPACE 129	EXTERIOR	32"
LOBBY 100	EXTERIOR	68"
LOBBY 100	EXTERIOR	68"
LOBBY 100	EXTERIOR	68"
TOTAL EXIT WIDTH:		628"

OCCUPANCY GROUP	MAX OCCUPANT LOAD	MAX COMMON TRAVEL PATH OF TRAVEL (FT) WITHOUT SPRINKLER	MAX COMMON TRAVEL PATH OF TRAVEL (FT) WITH SPRINKLER
A-3	49	75	75
B	49	75	100

- a. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2. See Section 903 for occupancies where automatic sprinkler systems are permitted in accordance with Section 903.3.1.2.
- b. Group H occupancies equipped throughout with an automatic sprinkler system in accordance with Section 903.2.3.
- c. For a room or space used for assembly purposes having fixed seating, see Section 1029.8.
- d. For the travel distance limitations in Group I-2, see Section 407.4.
- e. The common path of egress travel distance shall only apply in a Group R-3 occupancy located in a mixed occupancy building.
- f. The length of common path of egress travel distance in a Group S-2 open parking garage shall be not more than 100 feet.
- g. For the travel distance limitations in Groups R-3 and R-4 equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.3, see Section 1006.2.2.6.

- 1. Where interior exit stairways or ramps are interconnected by a 1-hour fire-resistance-rated corridor conforming to the requirements of Section 1020, the required exit separation shall be measured along the shortest direct line of travel within the corridor.
- 2. Where a building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2, the separation distance shall be not less than one-third of the length of the maximum overall diagonal dimension of the area served.

OCCUPANCY GROUP	WITH SPRINKLER SYSTEM (FT)	WITHOUT SPRINKLER SYSTEM (FT)
A-3	250'	200'
B	300'	200'

GROUP	OCCUPANT LOAD	REQUIRED RATING WITH SPRINKLER	REQUIRED RATING WITHOUT SPRINKLER
A-3	Greater than 30	0	1
B	Greater than 30	0	1

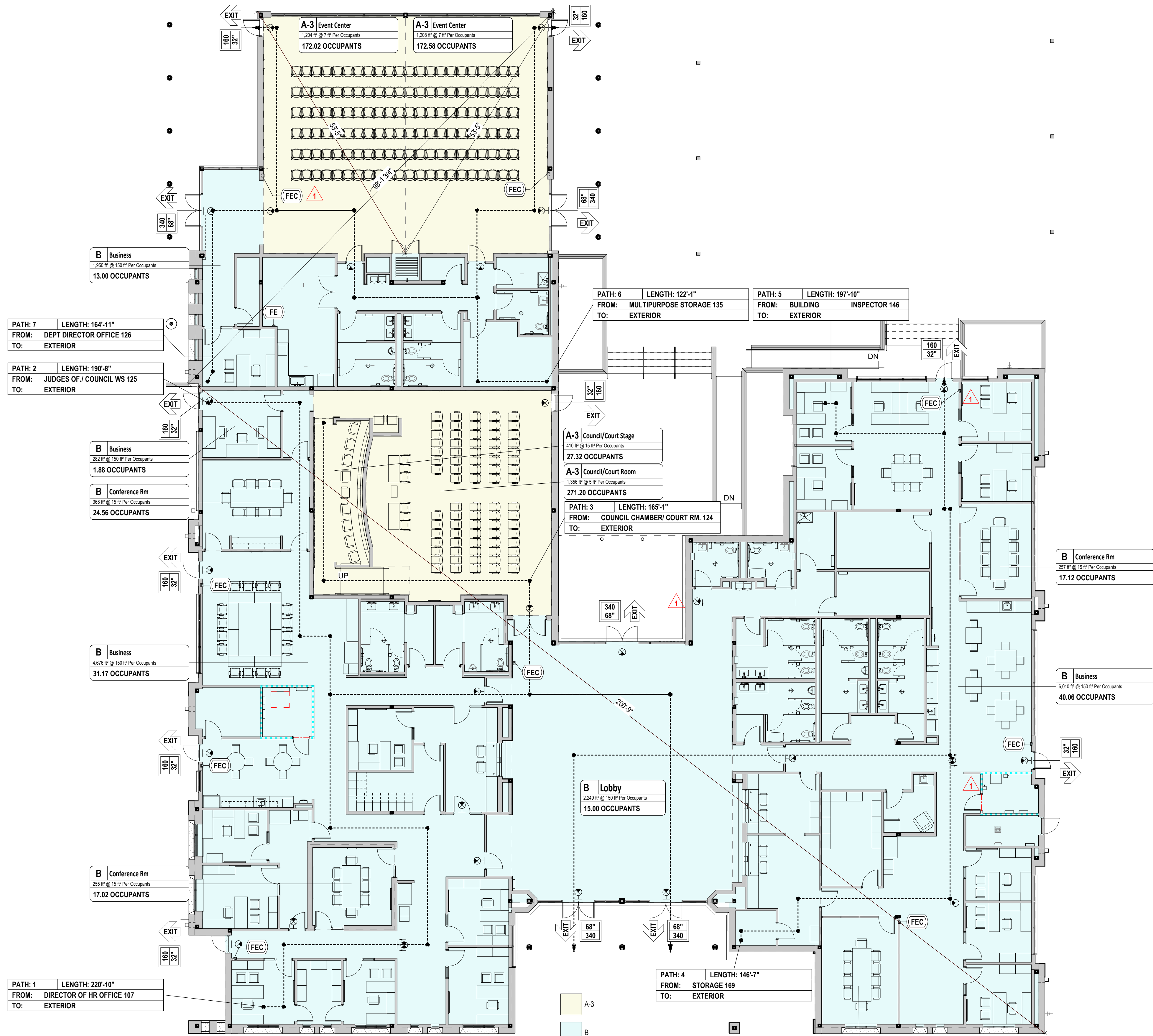
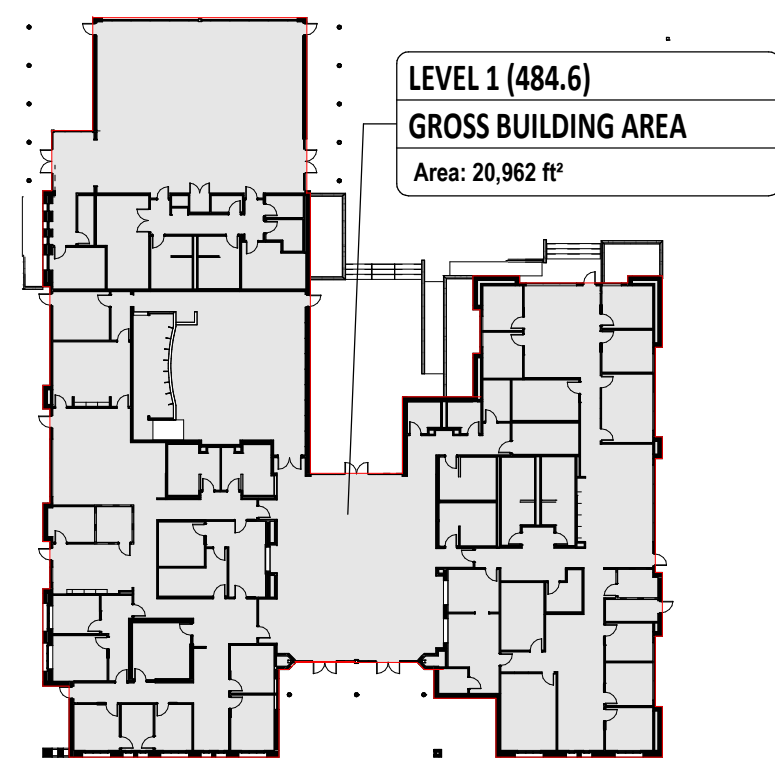
### CHAPTER 29 PLUMBING SYSTEMS

GROUP	DESCRIPTION	OCCUPANT LOAD		WATER CLOSET		LAVATORY		DRINKING FOUNTAIN								
		TOTAL	50/50 SPLIT	MALE	FEMALE	MALE	FEMALE	FIXTURE RATIO	REQUIRED							
A-3	Auditoriums without permanent seating, art galleries, exhibition halls, museums, lecture halls, libraries, arcades and gymnasiums	643.12	321.56	321.56	1 Per 125	2.57	1 Per 65	4.94	7.51	1 Per 200	1.61	1 Per 200	1.61	500	1.29	1
B	Buildings for the transaction of business, professional services, other services involving merchandise, office buildings, banks, light industrial, ambulatory care and similar uses	181.61	90.81	90.81	1 Per 25 for the first 50 and 1 per 50 for remainder exceeding	2.81	1 Per 25 for the first 50 and 1 per 50 for remainder exceeding	2.81	5.62	1 Per 40 for the first 80 and 1 per 80 for remainder exceeding	2.14	1 Per 40 for the first 80 and 1 per 80 for remainder exceeding	2.14	100	1.82	1
TOTAL		824.73	412.37	412.37		5.38		7.75	13.13		3.75	7.50	3.10			

MARK	DESCRIPTION	TYPE	Count
FEC	FIRE EXTINGUISHER IN SEMI-RECESSED FIRE EXTINGUISHER CABINET	2A, 10B, C	9
FE	SURFACE MOUNTED FIRE EXTINGUISHER	2A, K	1

- ### LIFE SAFETY GENERAL NOTES
- REFER TO PROJECT MANUAL FOR INTERIM LIFE SAFETY MEASURES.
  - THE CONTRACTOR SHALL VERIFY LOCATION AND QUANTITY OF FIRE EXTINGUISHERS WITH FIRE INSPECTOR BEFORE INSTALLATION. APPROVED LAYOUT FROM FIRE MARSHAL SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW.
  - ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS AND FIRE RATED CEILING ASSEMBLIES SHALL BE INSTALLED ACCORDING TO U.L. STANDARDS AND PER APPLICABLE CODES FOR REQUIRED HOUR FIRE RATED CONSTRUCTION.
  - REFER TO PARTITION SCHEDULE FOR UL LISTINGS.

LIFE SAFETY LEGEND	
[Symbol]	60 min Fire Partition
[Symbol]	60 min Fire & Smoke Partition
[Symbol]	60 min Fire & Barrier
[Symbol]	60 min Fire & Smoke Barrier
[Symbol]	60 min Fire Wall
[Symbol]	20 min Rated Opening / Shutter
[Symbol]	45 min Rated Opening / Shutter
[Symbol]	60 min Rated Opening / Shutter
[Symbol]	90 min Rated Opening / Shutter
[Symbol]	180 min Rated Opening / Shutter
[Symbol]	Occupants Path
[Symbol]	Exit Access



PATH: 1 LENGTH: 228'-10"  
FROM: DIRECTOR OF HR OFFICE 107  
TO: EXTERIOR

### 01 LIFE SAFETY PLAN

3/32" = 1'-0"



Lexington Cincinnati Cleveland Dallas Charleston

Revisions: 3 3/12/2024 ADDENDUM 3  
1 02/22/2024 ADDENDUM 1  
NUMBER DATE DESCRIPTION

### Hutchins City Hall

400 N. JJ Lemon Rd.  
Hutchins, TX 75141

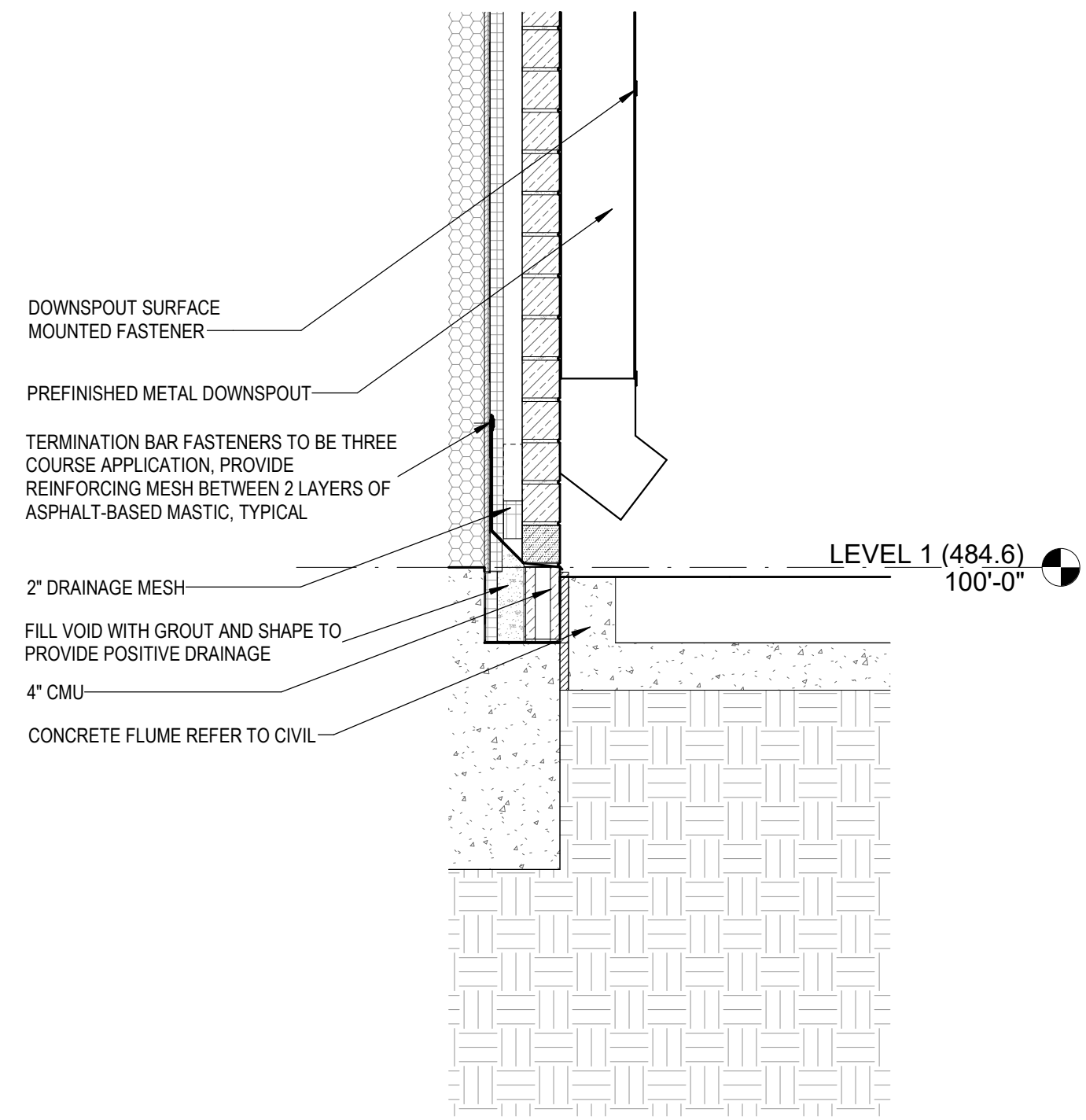
### CODE REVIEW & EGRESS PLAN

Project No.

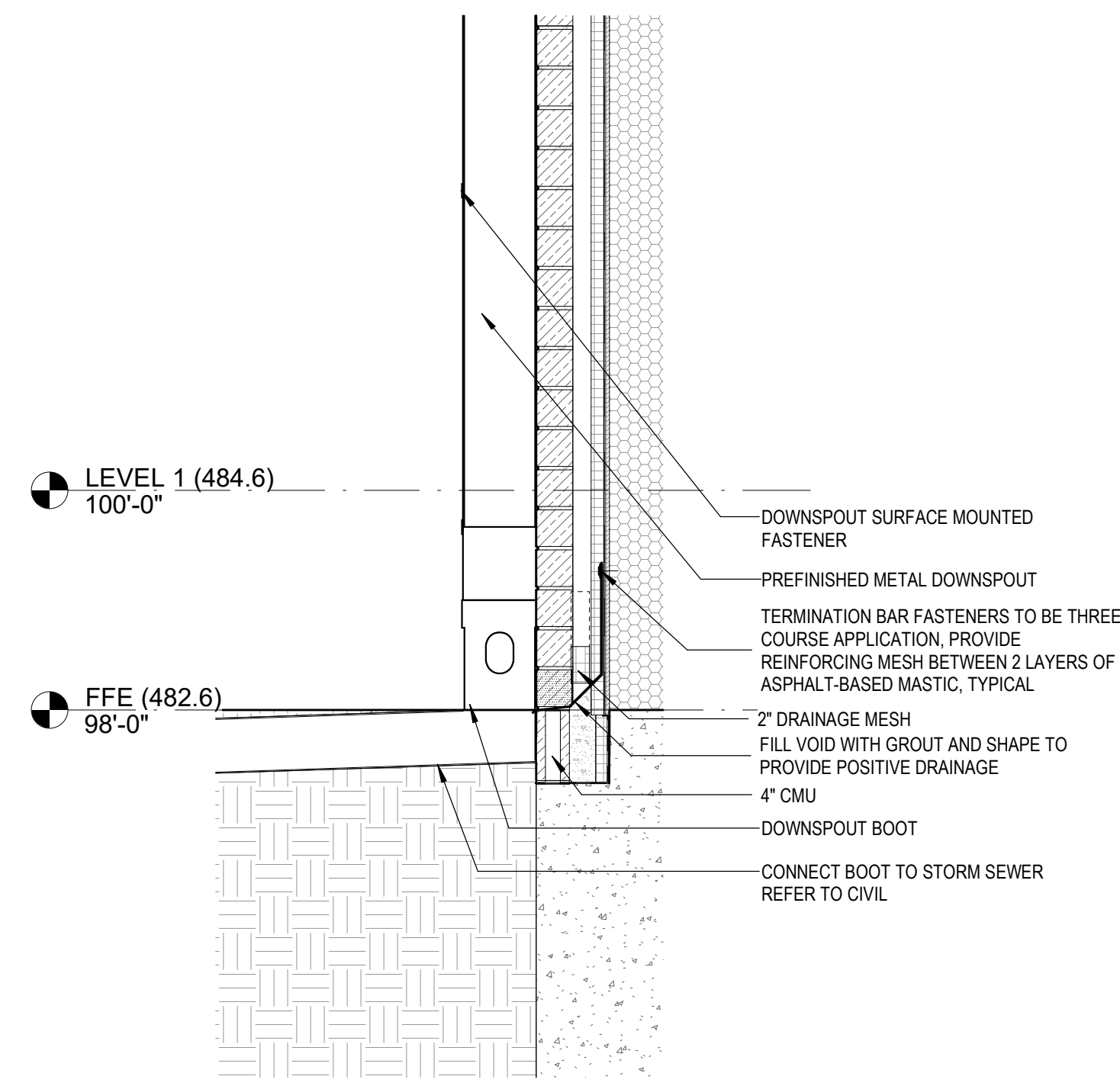
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23046

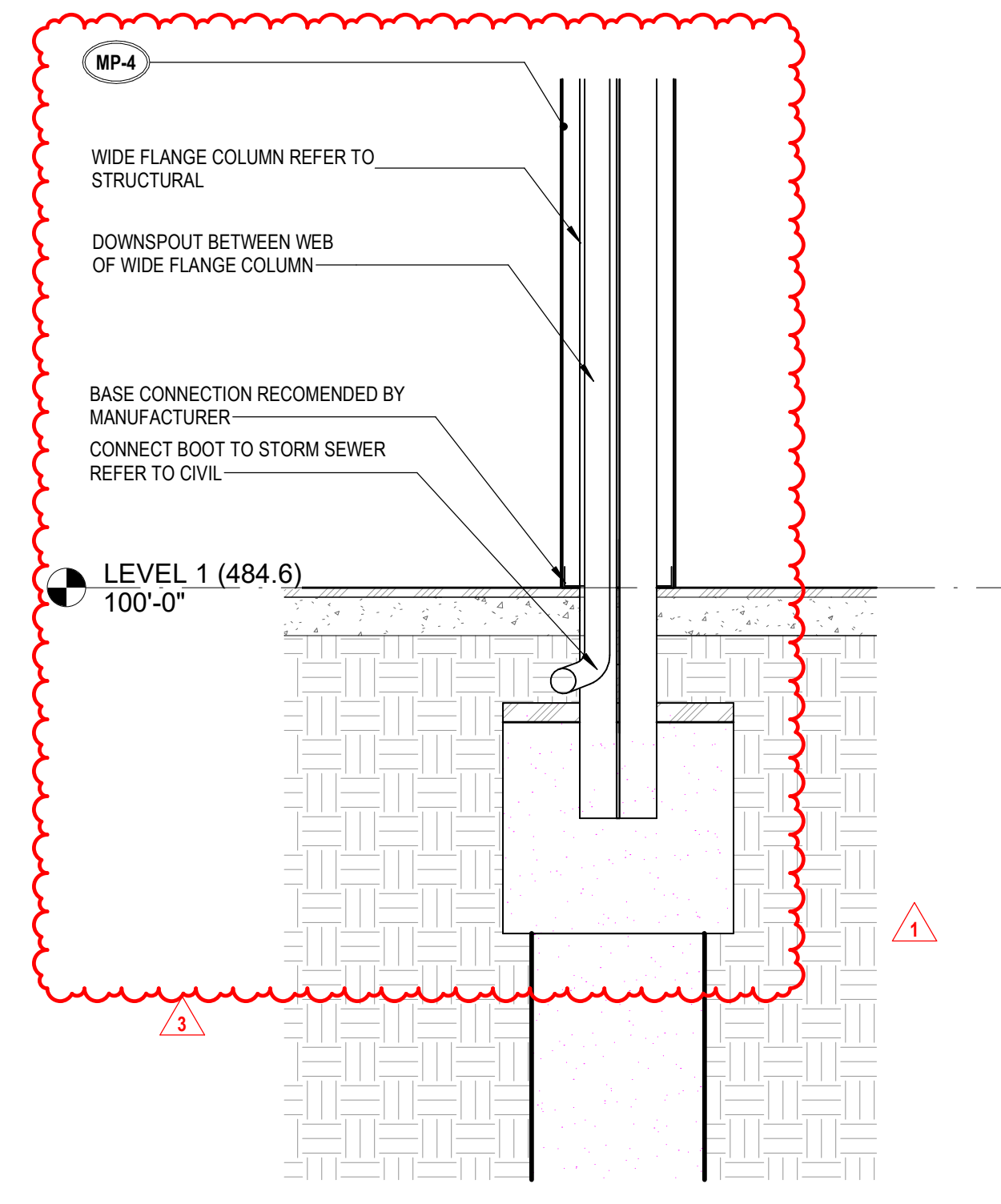
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D1 DOWN SPOUT - DAY LIGHT  
3/4\" = 1'-0"

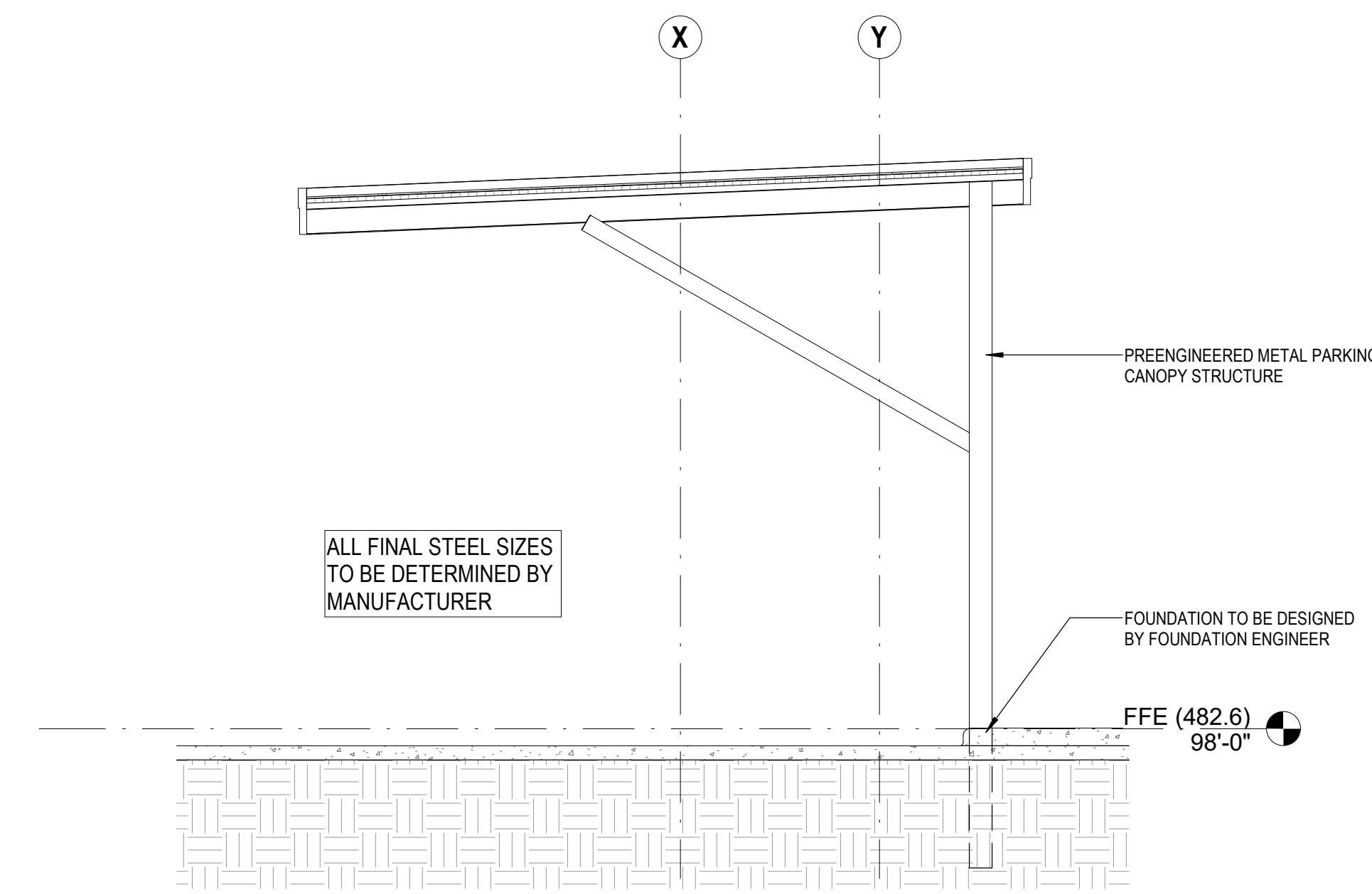


D2 DOWN SPOUT - BOOT TO STORM SEWER  
3/4\" = 1'-0"

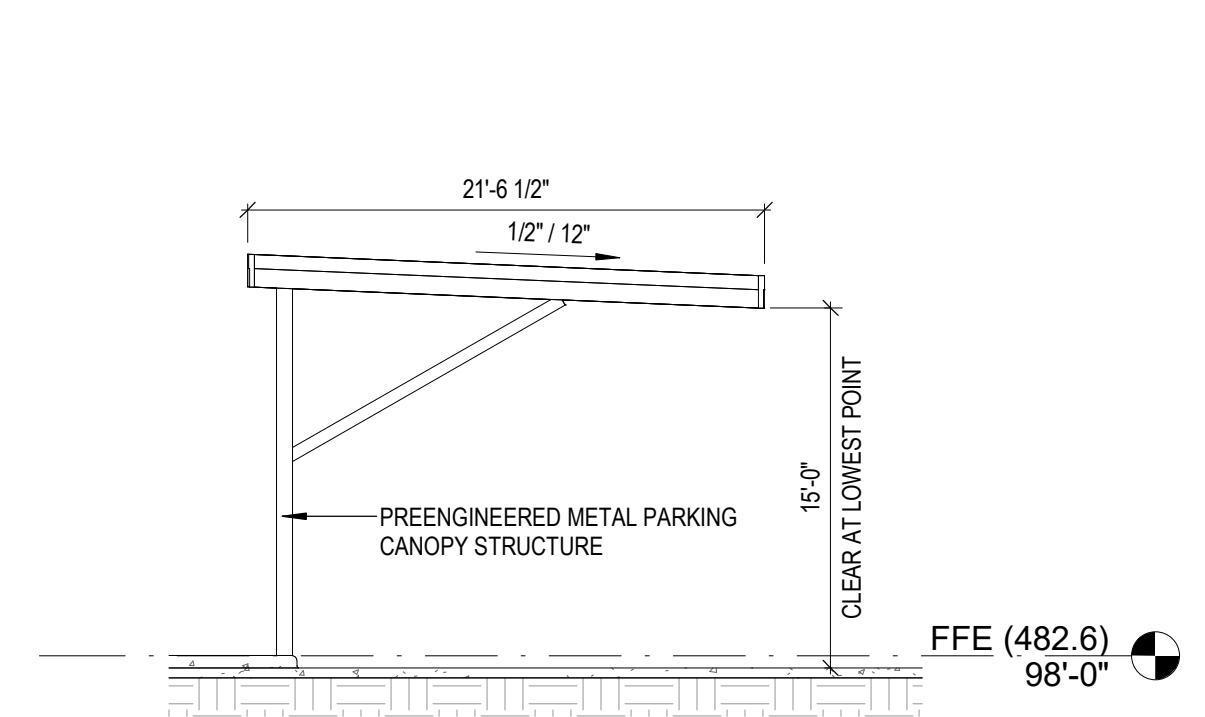


D3 DOWN SPOUT - IN COLUMN SURROUND  
3/4\" = 1'-0"

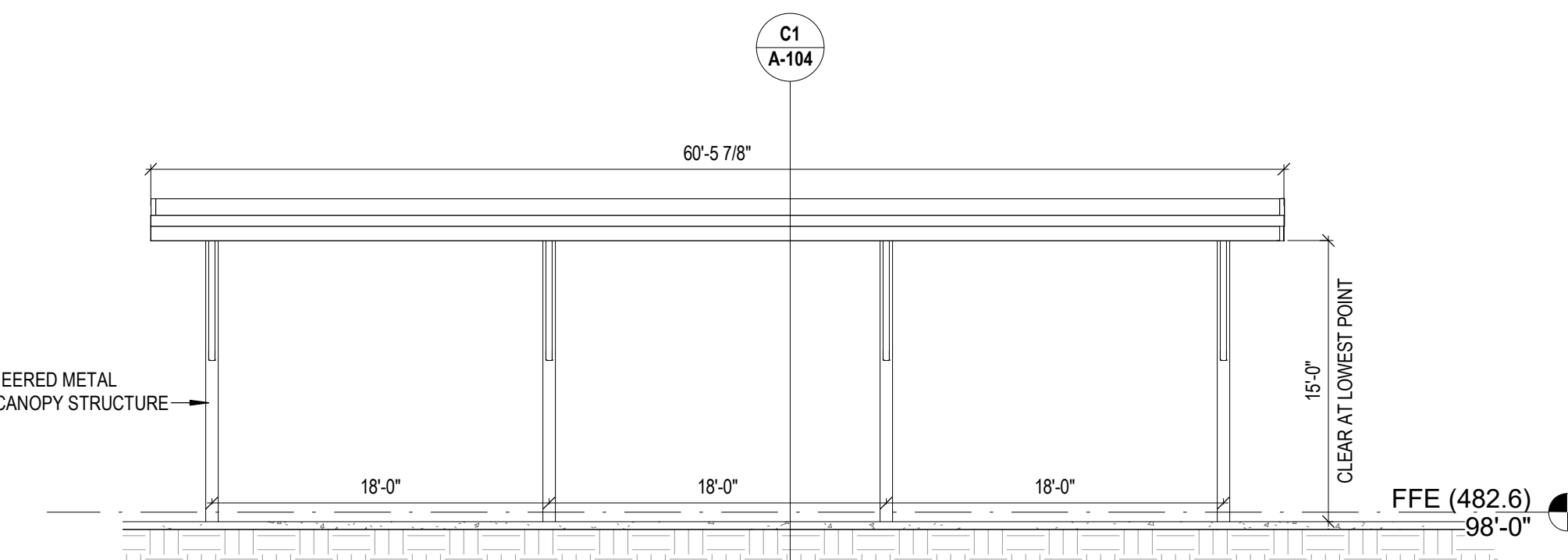
- PARKING CANOPY GENERAL NOTES**
- CANOPY TO BE DESIGNED TO ALL STATE AND LOCAL CODES.
  - PREENGINEERED CANOPY STRUCTURE AND FOUNDATIONS TO MEET ALL MINIMUM DESIGN CRITERIA AS PROVIDED BY STRUCTURAL.
  - PREENGINEERED CANOPY STRUCTURE DESIGN TO BE REVIEWED BY OWNER/ARCHITECT FOR APPROVAL BEFORE MANUFACTURING.
  - CANOPY DESIGNER TO COORDINATE LIGHTING DESIGN WITH SITE PHOTOMETRICS AND SITE LIGHTING CONTROLS.
  - ALL CONDUIT TO BE MOUNTED TO CANOPY STRUCTURAL MEMBERS AND WITHIN ROOF CEILING ASSEMBLY.
  - ALL EXPOSED STRUCTURAL STEEL, AND UNDERSIDE OF DECKING TO BE PRIMED AND PAINTED.
  - PROVIDE ARCHITECTURAL METAL ROOFING PANELS.
  - ALL STRUCTURAL COLUMNS TO BE LOCATED BEHIND CURB.
  - ALL CANOPY LIGHT FIXTURES AND CONDUIT TO BE MOUNTED TO UNDERSIDE OF ROOF ASSEMBLY.



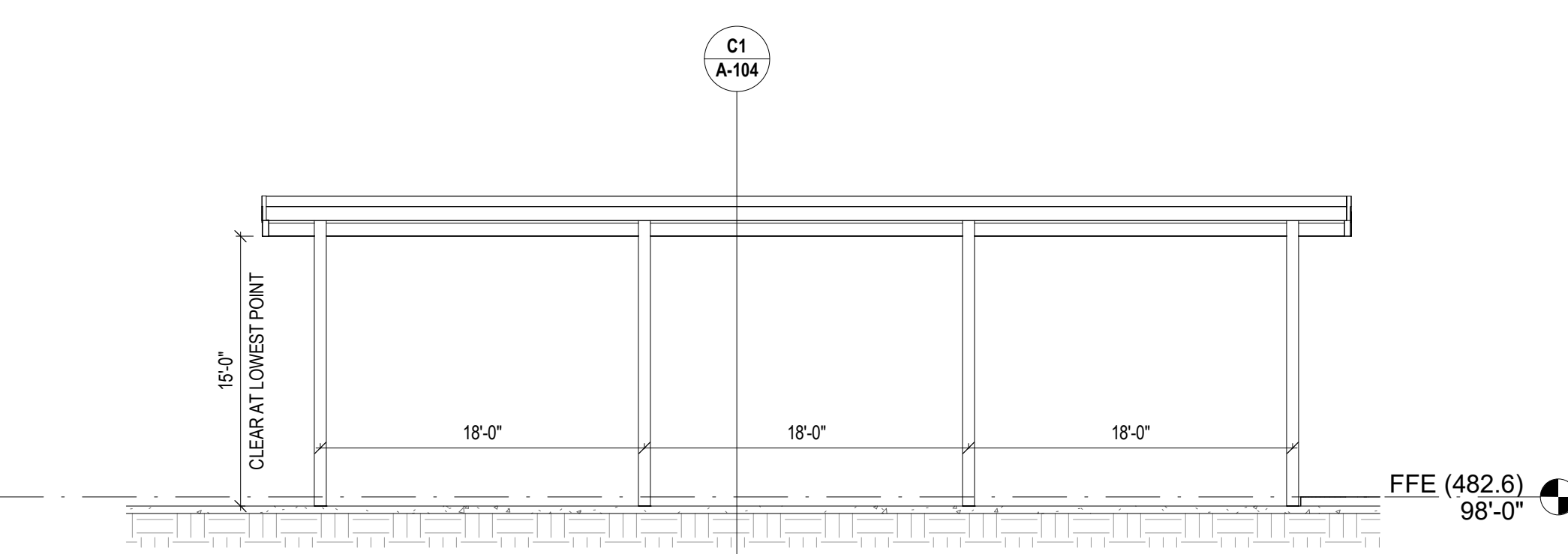
C1 SECTION PARKING - CANOPY TYP  
1/4\" = 1'-0"



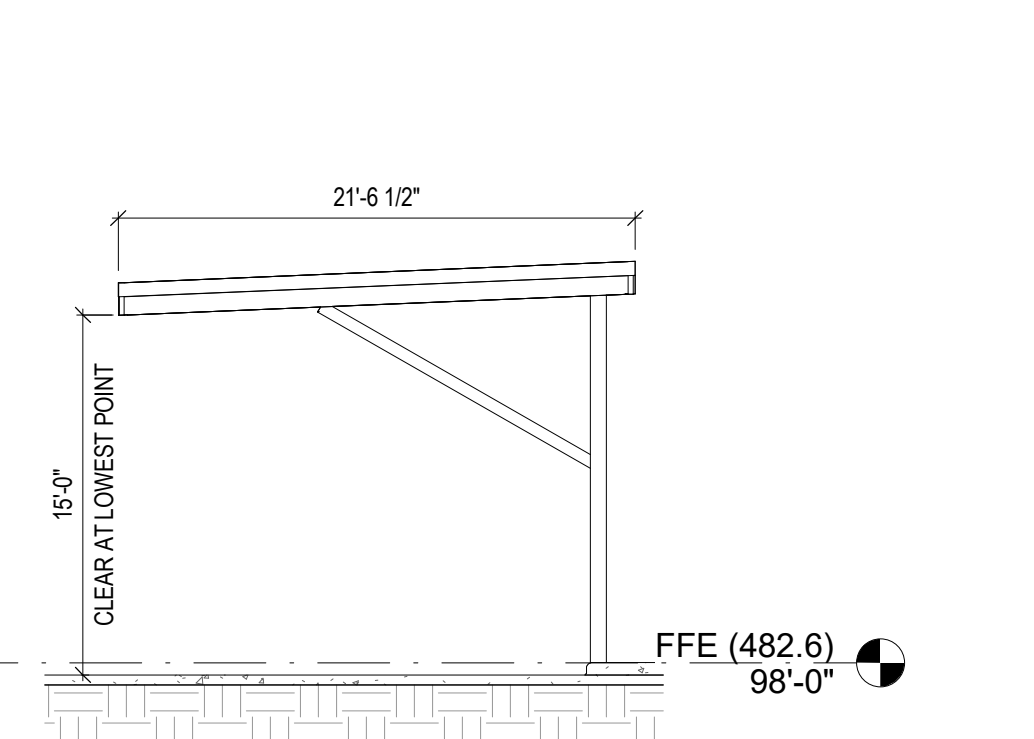
B1 LEFT ELEVATION - PARKING CANOPY TYP  
1/8\" = 1'-0"



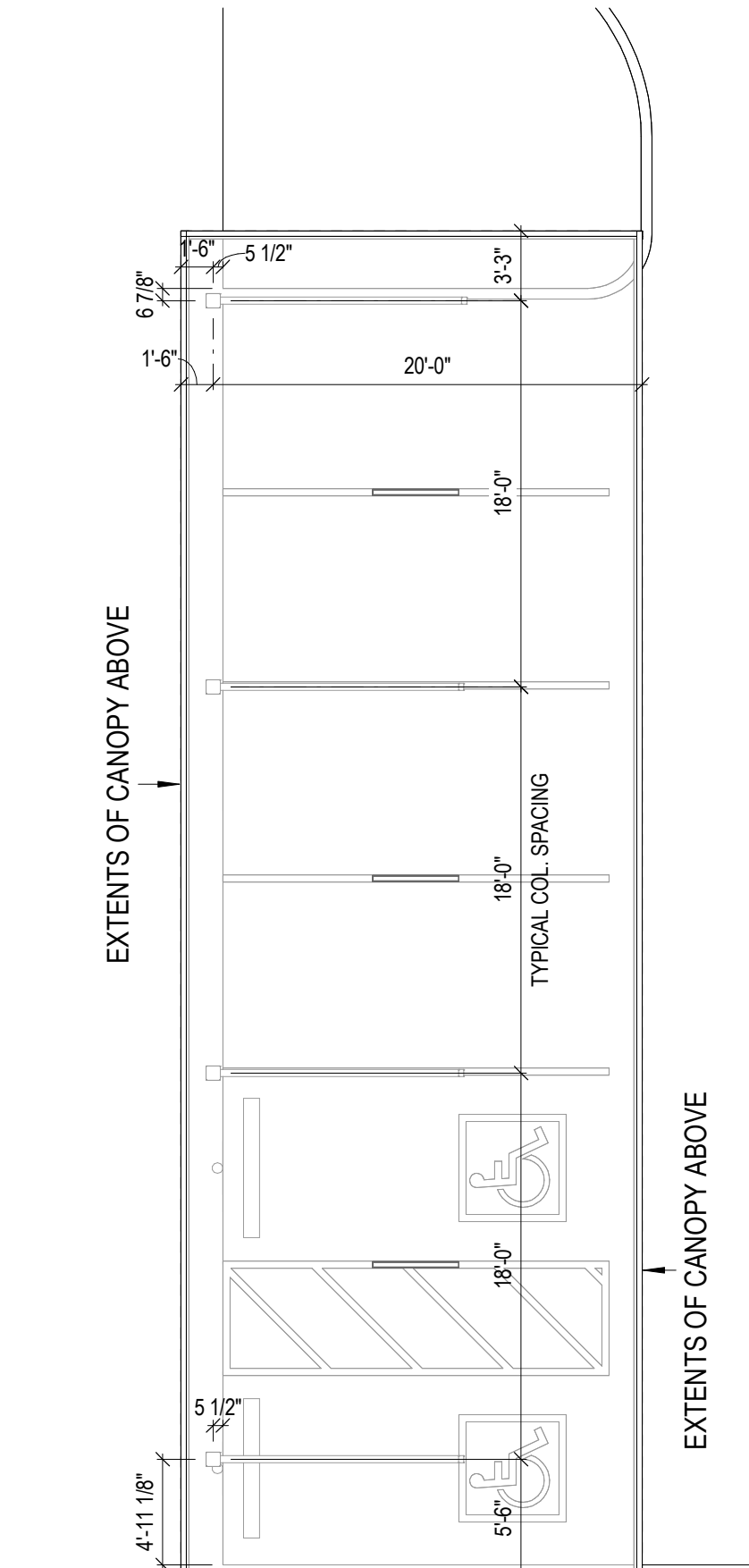
B2 FRONT ELEVATION - PARKING CANOPY TYP  
1/8\" = 1'-0"



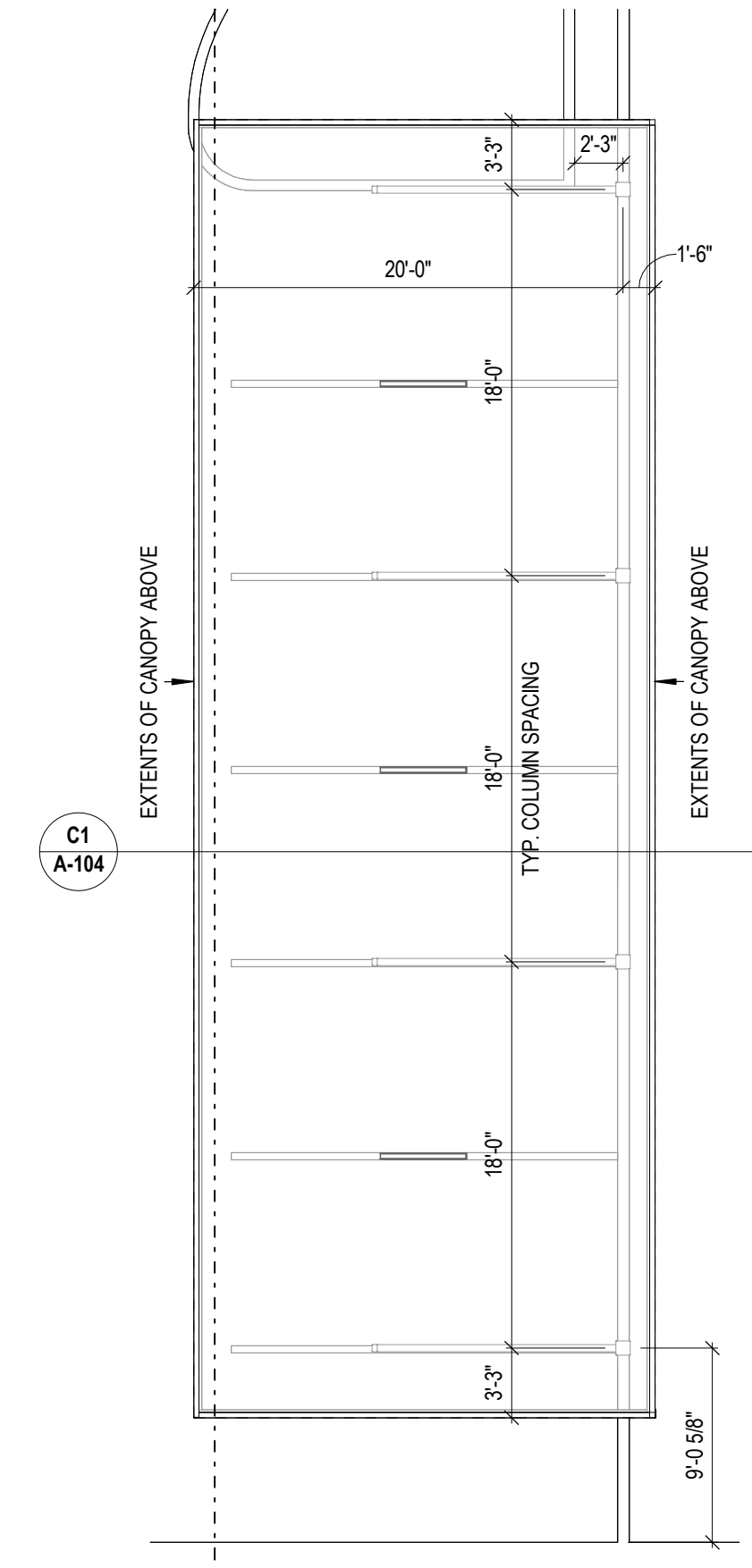
A1 REAR ELEVATION - PARKING TYP  
1/8\" = 1'-0"



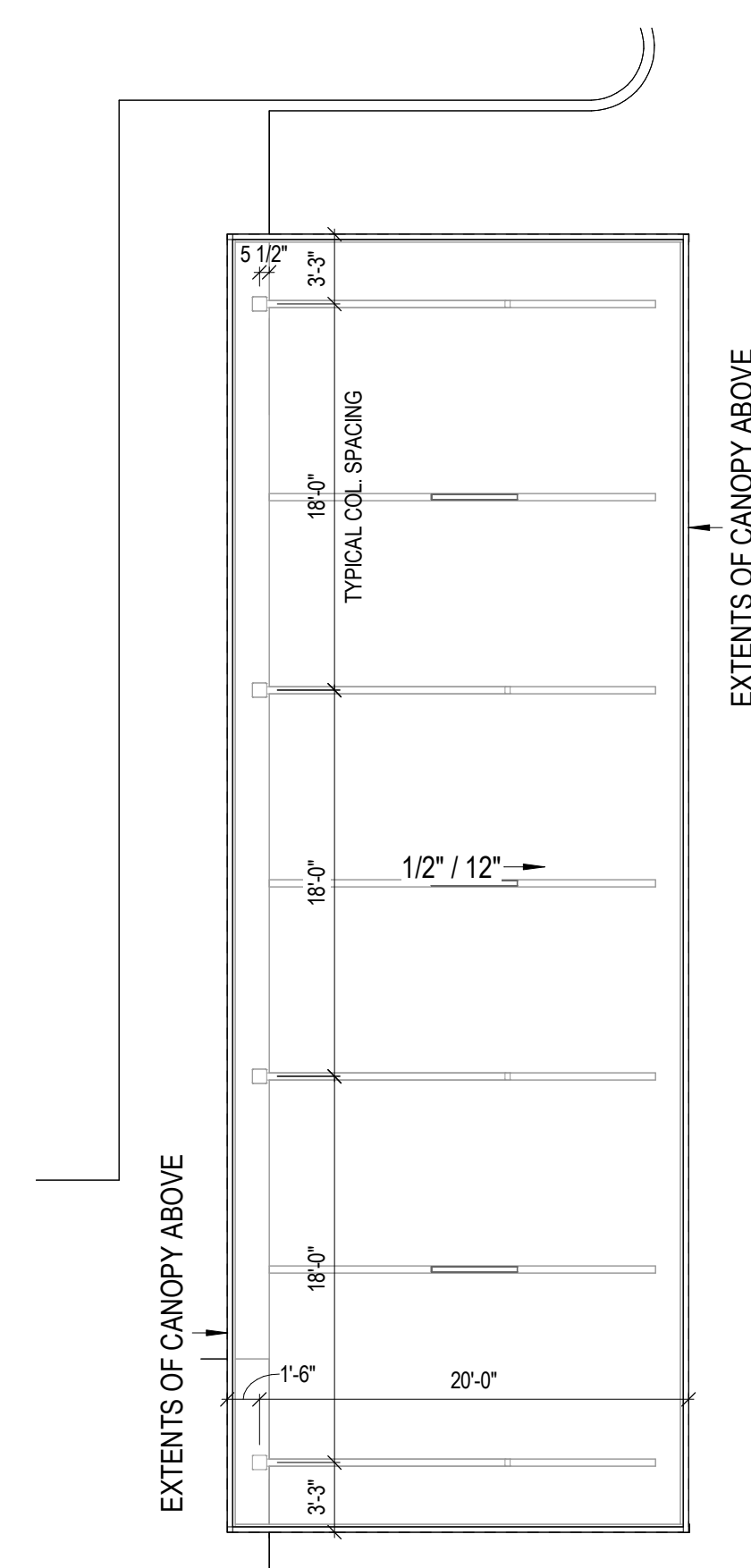
A3 RIGHT ELEVATION - PARKING TYP  
1/8\" = 1'-0"



A4 PLAN - PARKING CANOPY 2  
1/8\" = 1'-0"



A5 PLAN - PARKING CANOPY 1  
1/8\" = 1'-0"



A6 PLAN - PARKING CANOPY 3  
1/8\" = 1'-0"

Revisions:	NUMBER	DATE	DESCRIPTION
	3	3/12/2024	ADDENDUM 3
	1	02/22/2024	ADDENDUM 1

### Hutchins City Hall

400 N. JJ Lemon Rd.  
Hutchins, TX 75141

### SITE DETAILS

Project No.

23046

A-104



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MARK	DESCRIPTION	MANUFACTURER	MODEL / COLOR	FINISH	GROUT	COMMENTS
F1	CARPET TILE	INTERFACE	TOPAZ 106285	-	-	-
F2	PORCELAIN TILE - 18" x 18"	DALTILE	BRAZILLIAN GREEN CSS2	MATTE	AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL LINE	GRID
F3	PORCELAIN TILE 6"x24"	DALTILE	PORTFOLIO CHARCOAL PF09	MATTE	AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL LINE	STACK
F4	PORCELAIN TILE 12"x24"	DALTILE	CIVIC SAND S046	MATTE	AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL LINE	STACK
F5	CARPET	MANNINGTON	GINSENG 1221	-	-	-
F6	CARPET	TARKETT	KHAKI 2302	-	-	-
F7	CARPET	MANNINGTON	SABLE 4254	-	-	-
F8	POLISHED CONCRETE	SCOFIELD	LEATHER 1245	POLISHED	-	-
F9	CONCRETE	-	-	-	-	-
F10	SLATE TILE	BEDROSJANS TILES & STONE	BLACK PEARL	CLEFT GAUGED	-	-

MARK	DESCRIPTION	MANUFACTURER	MODEL / COLOR	FINISH	GROUT	COMMENTS
W1	FIELD PAINT 1	PPG	ANTIQUE WHITE	EGGSHELL	-	-
W2	PORCELAIN TILE 12" x 24"	DALTILE	DELEGATE OFF WHITE DL25	MATTE	AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL LINE	VERTICAL STACK
W3	CERAMIC TILE 4" x 12"	DALTILE	MATTE CHALKBOARD 0780	MATTE	AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL LINE	VERTICAL STACK
W4	SOUVENIR FARO TILE 1" x 6"	EMSER	SOUVENIR FARO	GLOSSY	AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL LINE	VERTICAL STACK
W5	PARO FLOOR	ARMSTRONG	WALNUT VENEER	-	-	-
W6	WALNUT VENEER ON 3/4" PLYWOOD	VT INDUSTRIES	WALNUT CLEAR CL 18	SATIN	-	STAIN / FINISH TO MATCH INTERIOR DOORS NO EXPOSED EDGES
W7	WOODWORKS GRILLE	ARMSTRONG	PLAIN SLICED WALNUT	-	-	-
W8	ALU/SABR STONE	ALU/SABR	CORDOVA CREAM	CLASSIC	-	-
W9	FIBERGLASS REINFORCED PLASTIC	PANOLAM	WHITE	PEBBLE	-	-
W10	ACCENT PAINT 1	PPG	TWILIGHT STROLL 10-03	EGGSHELL	-	-
W11	ACCENT PAINT 2	PPG	DROPS OF HONEY 1090-4	EGGSHELL	-	-
W12	ACCENT PAINT 3	PPG	BROWN CLAY 1199-6	EGGSHELL	-	-

MARK	DESCRIPTION	MANUFACTURER	MODEL / COLOR	FINISH	COMMENTS
C1	24" x 24" ACOUSTICAL CEILING TILE	ARMSTRONG	CANYON WHITE	-	-
C2	SUSPENDED ACOUSTICAL CLOUDS	ARMSTRONG	ACOUSTIBUILT	-	-
C3	CEILING PAINT 1	PPG	GLACIAL WHITE 1014-1	EGGSHELL	-
C4	WOOD SLATS PER MFR	ARMSTRONG	PLAIN SLICED WALNUT	-	-
C5	SUSPENDED ARCHITECTURAL FLUSH METAL PANEL	ALPOLIC	DCX METALIC COPPER	-	-
C6	CEILING PAINT 2	PPG	BLACK MAGIC 1001-7	-	-
C7	SOUNDSCAPES ACOUSTIC CLOUDS	ARMSTRONG	ARCHITECT TO SELECT FROM MFR FULL LINE OF STANDARD COLORS	-	-

MARK	DESCRIPTION	MANUFACTURER	MODEL / COLOR	COMMENTS
B1	RUBBER BASE 4"	EMSER	BLACK BROWN 193	-
B2	WOOD BASE 6"	ARMSTRONG	PLAIN SLICE WALNUT	-
B3	WOOD BASE 8"	ARMSTRONG	PLAIN SLICE WALNUT	-
B4	CERAMIC TILE 6"x24"	DALTILE	PORTFOLIO CHARCOAL PF09	STACK

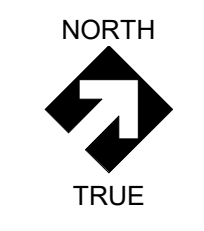
MARK	DESCRIPTION	MANUFACTURER	MODEL / COLOR	COMMENTS
BS1	PLASTIC LAMINATE	WILSONART	White	-
PL01	EMSER CUADRO ROYAL BACKSPLASH & SIDESPLASH TILE	EMSER	CUADRO ROYAL FRAME 0914 GLOSSY	VERTICAL STACK OFFSET
PL02	PLASTIC LAMINATE	WILSONART	BLACK 1595-60	-
PL03	PLASTIC LAMINATE	WILSONART	SHEER MESH 4876-38	-
PL04	PLASTIC LAMINATE	WILSONART	FOSSIL SHALE D504-60	-
PL05	PLASTIC LAMINATE	WILSONART	CANYON ZEPHYR 4842-60	-
G21	IRON STONE QUARTZ COUNTERTOP	CORIAN	IRONSTONE / MATTE	-
G22	CORIAN NEUTRAL CEMENT QUARTZ	CORIAN	NEUTRAL CEMENT / MATTE	-
G23	CORIAN GRIGIONE QUARTZ	CORIAN	GRIGIONE / POLISHED	-
SS1	CORIAN SOLID SURFACE OVER 3/4" PLYWOOD	CORIAN	CANVAS	-
STL1	STAINLESS STEEL COUNTERTOP	N/A	TYPE 304 NON-DIRECTIONAL, 16 GAUGE, NO. 4 SATIN FINISH	REFER MILLWORK FOR MARINE EDGE LOCATIONS

MARK	DESCRIPTION
TS1	ALUMINUM THRESHOLD WITH SEAL STRIP
TS2	CONCRETE TO TILE TRANSITION STRIP
TS3	TILE TO CARPET TRANSITION STRIP
TS4	TILE TO CARPET TRANSITION STRIP
TS6	TILE TO TILE TRANSITION STRIP
TS7	ALUMINUM THRESHOLD WITH SEAL STRIP (OFFSET EDGE)
TS8	SADDLE ALUMINUM THRESHOLD

MARK	TYPE	DETAIL	HEIGHT
CG2	3" SURFACE MOUNT CORNER GUARD	A1A203	3'-2"
CG1	5" SURFACE MOUNT CORNER GUARD	A1A203	5'-0"
EG1	9" FLUSH MOUNT END GUARD	A2A203	5'-0"

ROOM NAME	COUNT	ROOM NUMBER	DESCRIPTION
CORRIDOR	1	101	TYPICAL ROOM SIGNAGE
CORRIDOR	1	117	TYPICAL ROOM SIGNAGE
M. RR	1	118	ADA MEN'S RESTROOM SIGNAGE
W. RR	1	119	ADA WOMEN'S RESTROOM SIGNAGE
COUNCIL CHAMBER/ COURT RM.	1	124	TYPICAL ROOM SIGNAGE
RM.	1	127	TYPICAL ROOM SIGNAGE
STOR.	1	130	TYPICAL ROOM SIGNAGE
CORRIDOR	2	131	TYPICAL ROOM SIGNAGE
M. RR	1	133	ADA MEN'S RESTROOM SIGNAGE
W. RR	1	134	ADA WOMEN'S RESTROOM SIGNAGE
RR	1	136	ADA UNISEX RESTROOM
RR	1	141	ADA UNISEX RESTROOM
RR	1	142	ADA UNISEX RESTROOM
IT/COM	1	144	TYPICAL ROOM SIGNAGE
CORRIDOR	1	155	TYPICAL ROOM SIGNAGE
W. STAFF RR	1	156	ADA WOMEN'S RESTROOM SIGNAGE
M. STAFF RR	1	157	ADA MEN'S RESTROOM SIGNAGE
QUET ROOM LACTATION ROOM	1	159	TYPICAL ROOM SIGNAGE
NOTE: ROOM NUMBERS ARE PROVIDED FOR REFERENCE ONLY. ROOM SIGNAGE NUMBERS TO BE APPROVED BY OWNER BEFORE MANUFACTURING. CONFIRM ALL ROOM SIGNAGE LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.			

A1 FINISH PLAN 1/8" = 1'-0"



Revisions: 3 3/12/2024 ADDENDUM 3  
2 03/04/2024 ADDENDUM 2  
1 02/22/2024 ADDENDUM 1  
Issue Date: FEBRUARY 8, 2024

### Hutchins City Hall

400 N. JJ Lemon Rd.  
Hutchins, TX 75141

### FINISH PLAN & FINISH SCHEDULES

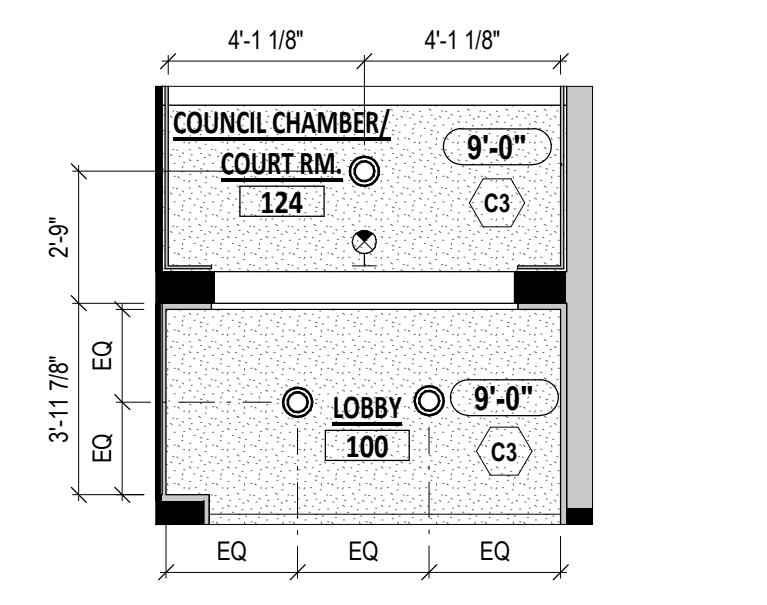
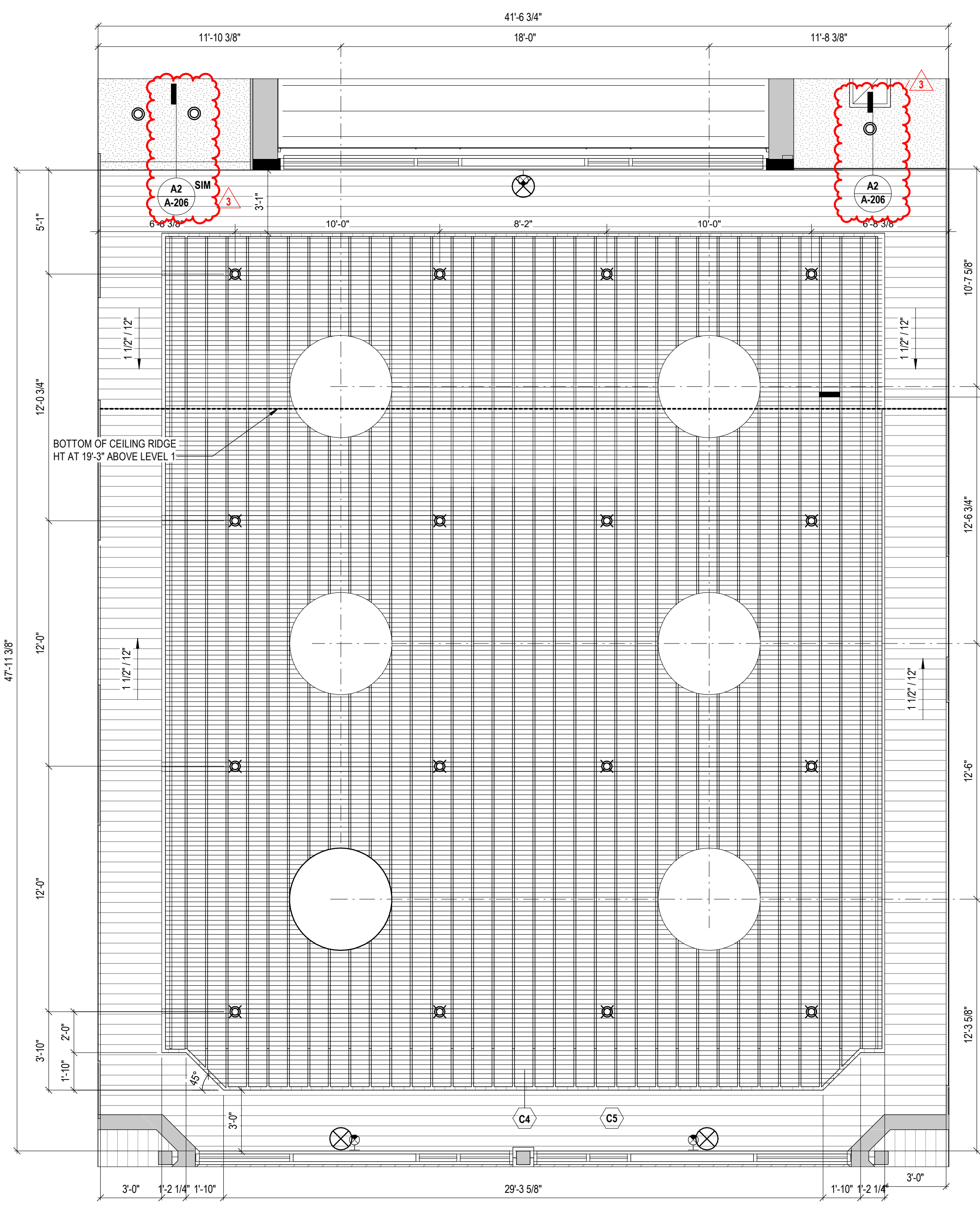
Project No.

23046

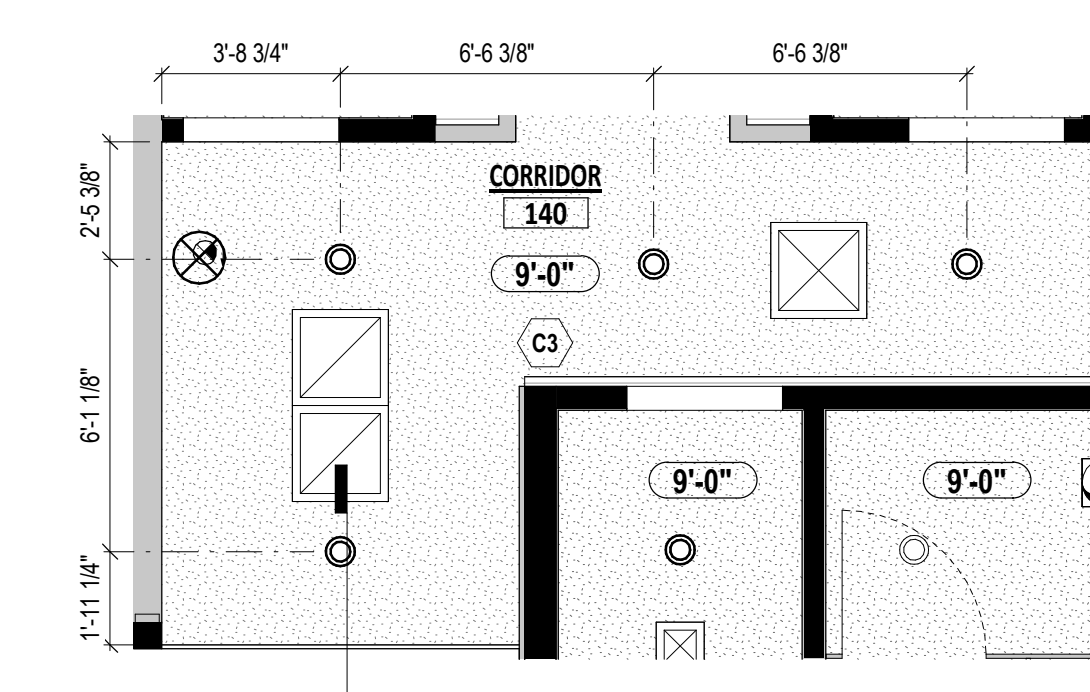
A-202

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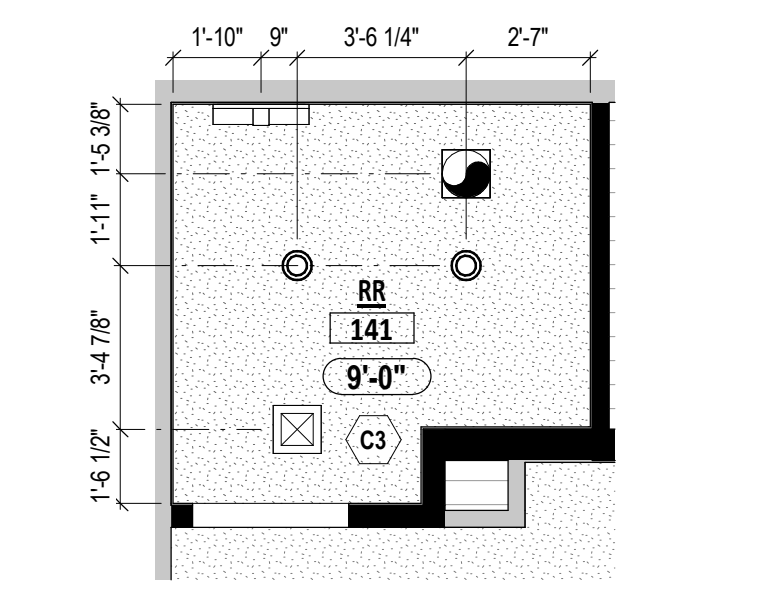
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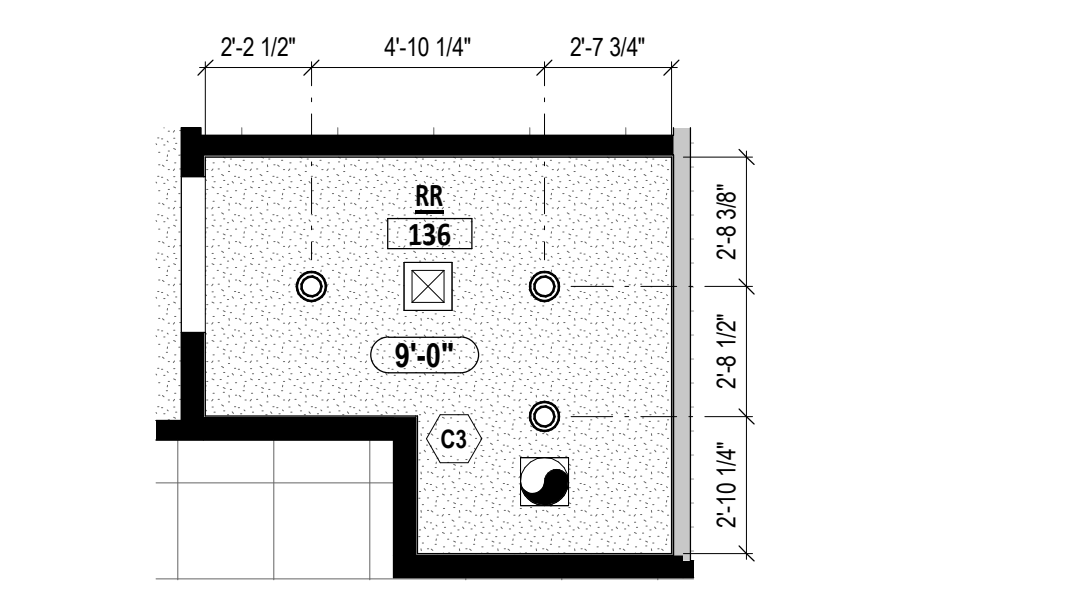
E3 RCP-LOBBY/ CC ENTRY  
1/4" = 1'-0"



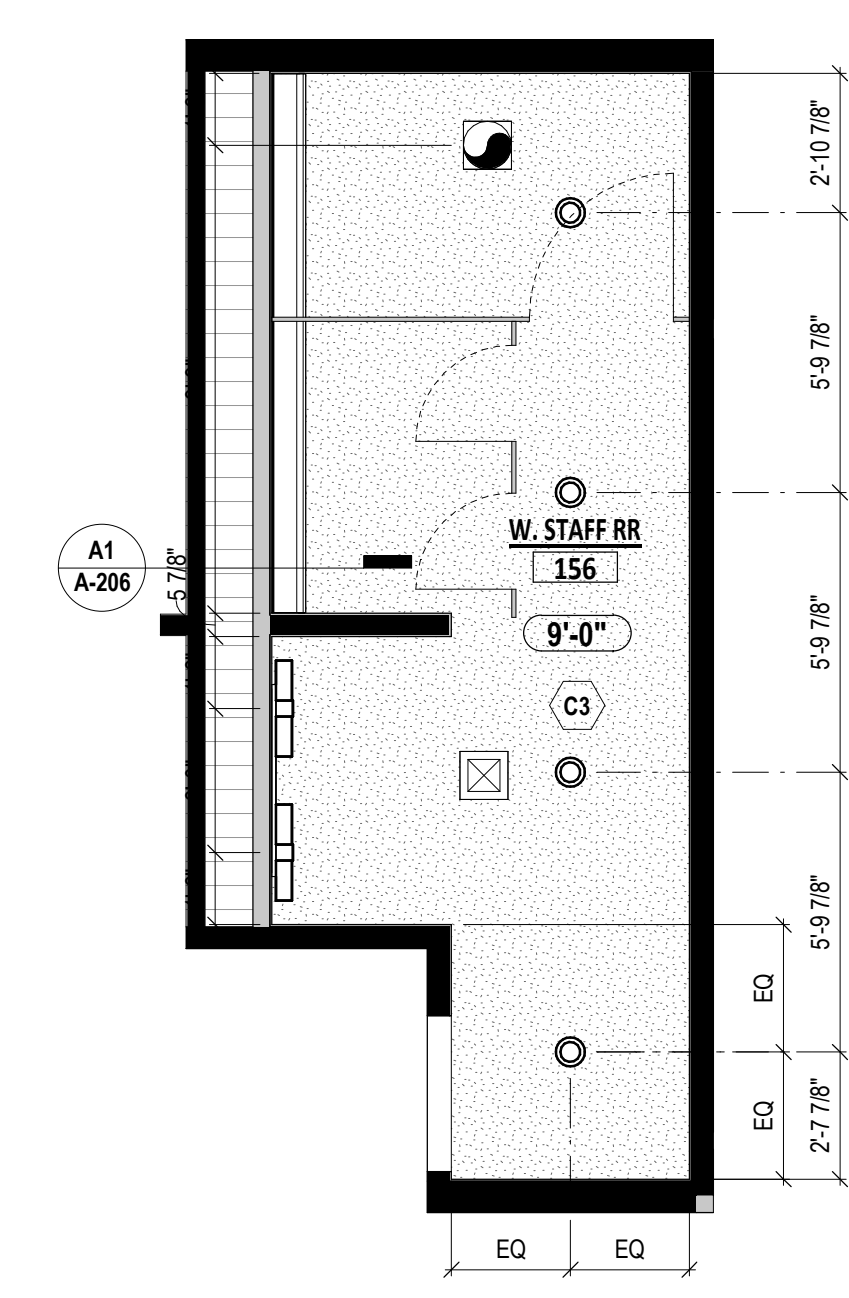
E4 RCP-LOBBY CORRIDOR  
1/4" = 1'-0"



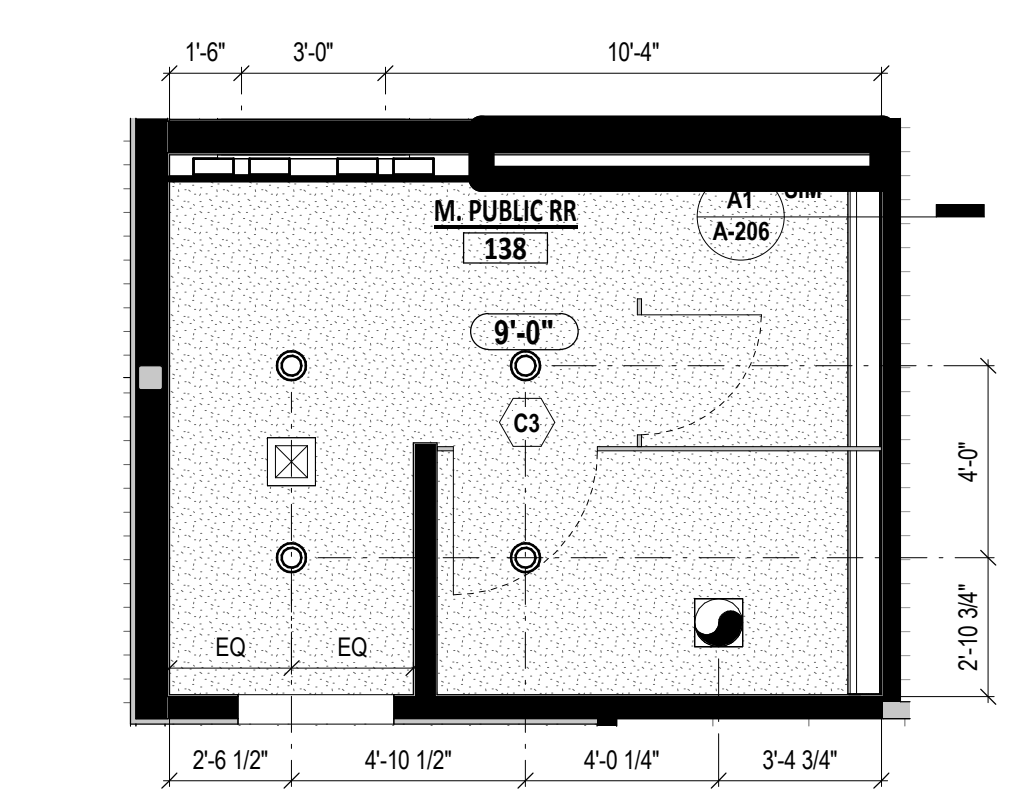
D3 RCP-RESTROOM-PUBLIC  
1/4" = 1'-0"



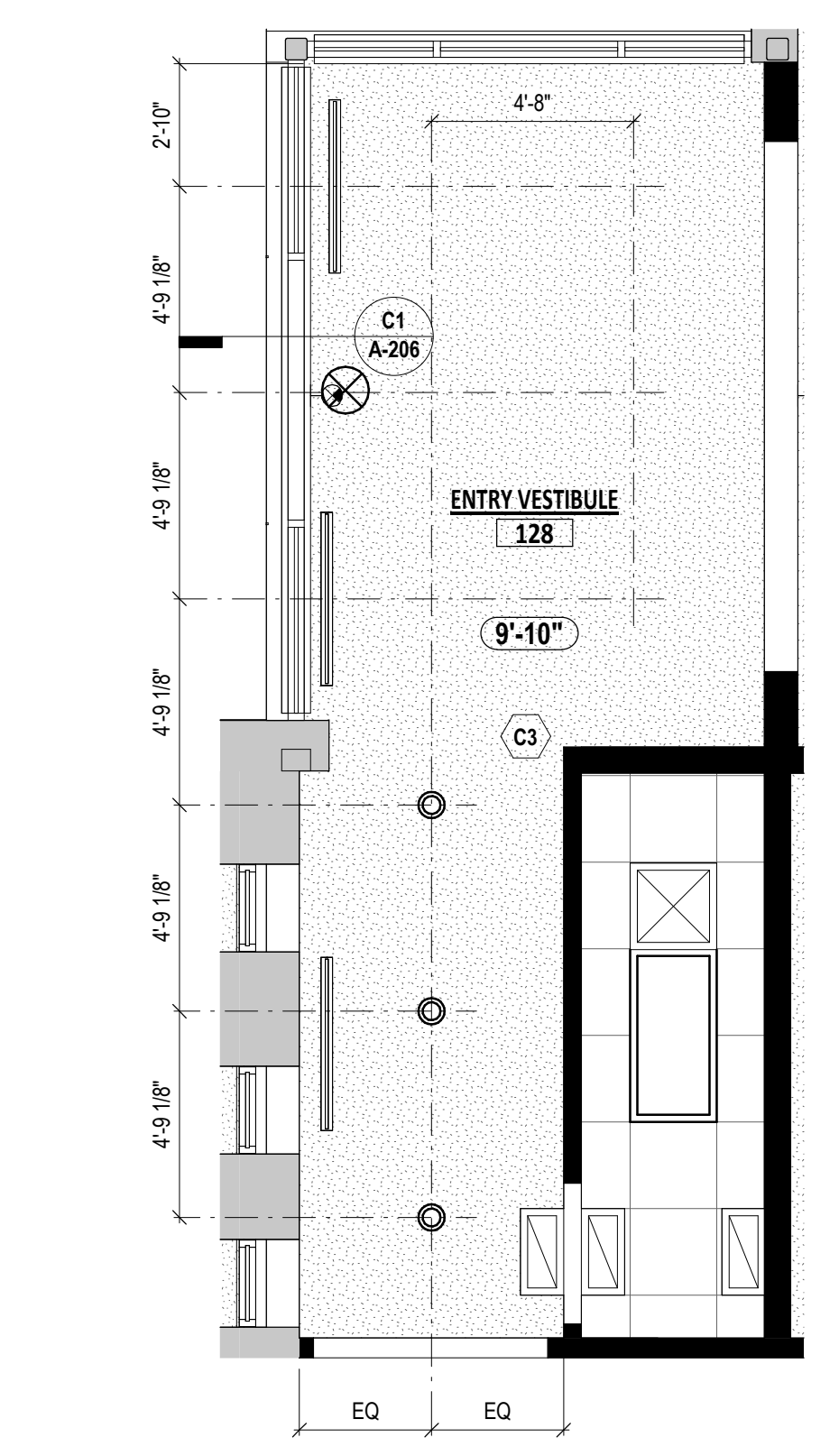
D4 RCP-RESTROOM-FAMILY-EVENT CENTER  
1/4" = 1'-0"



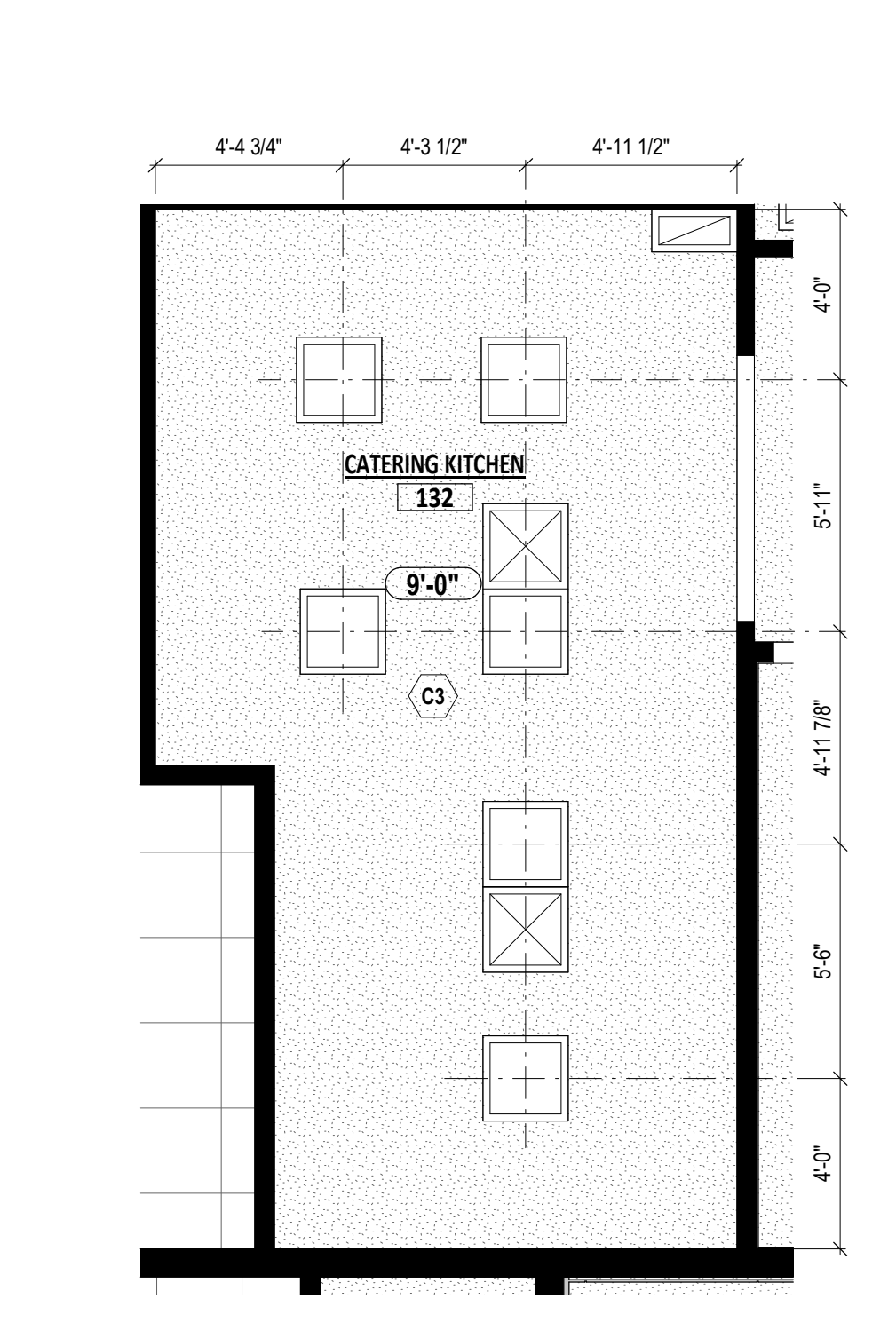
D5 RCP-RESTROOM FINANCE/ENGINEERING  
1/4" = 1'-0"



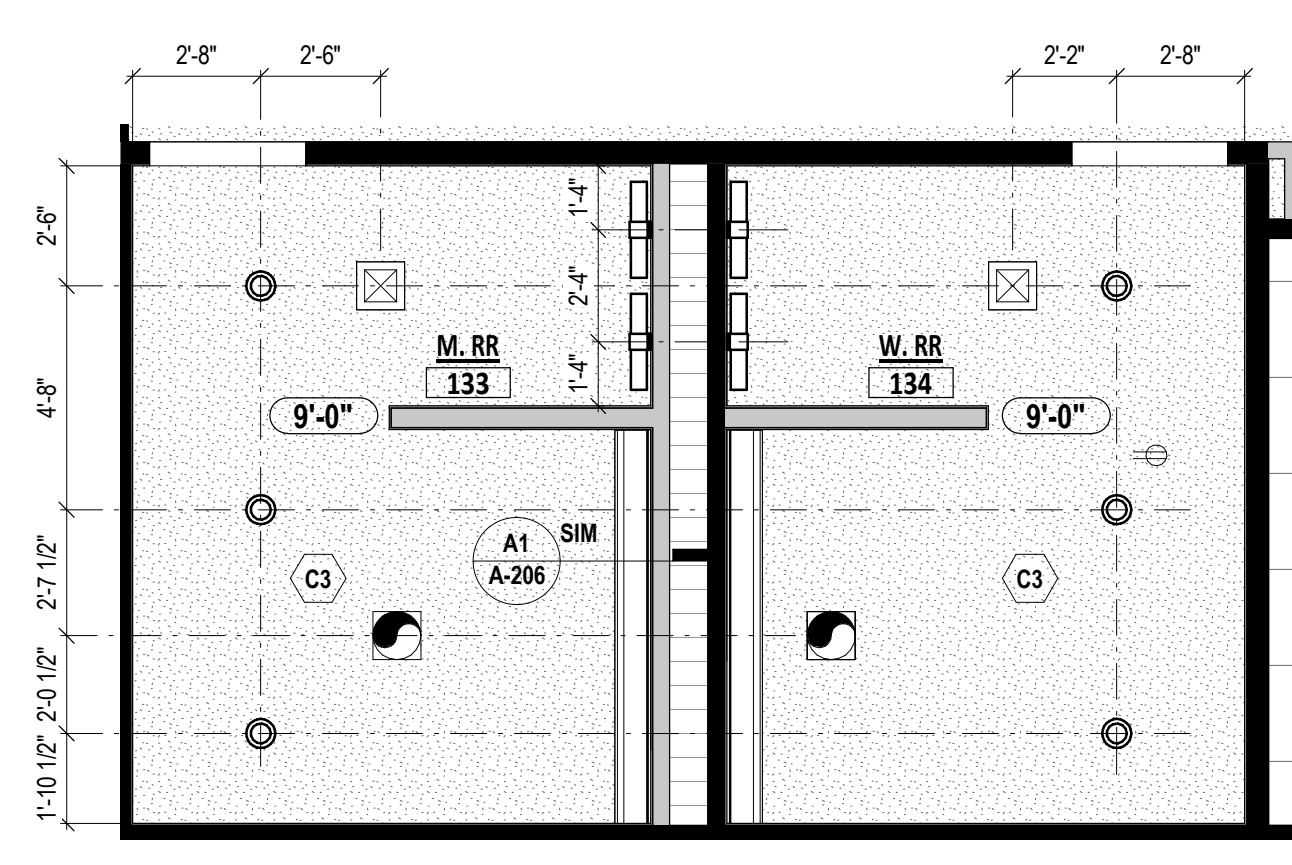
C3 RCP-RESTROOM-PUBLIC-B  
1/4" = 1'-0"



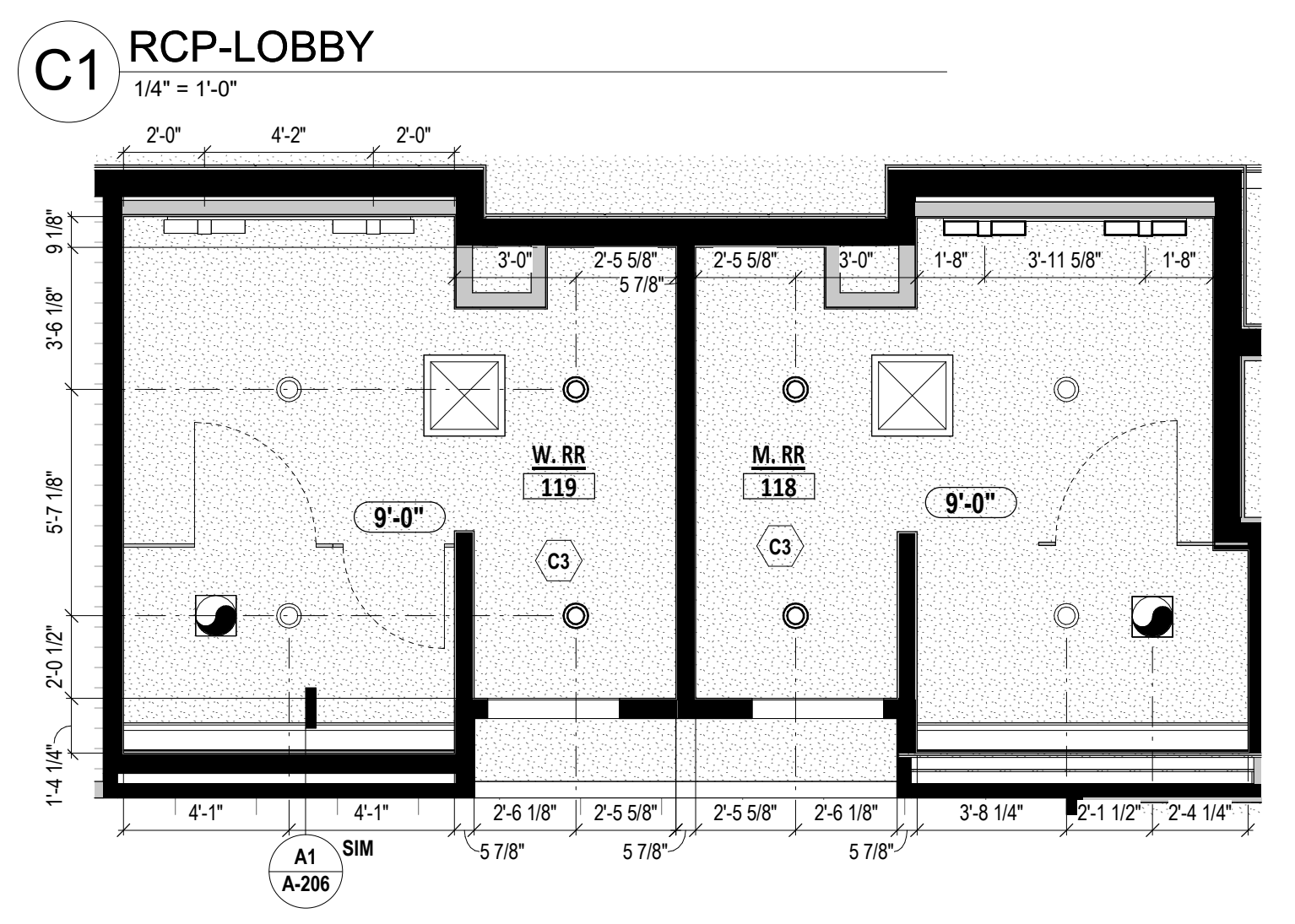
A3 RCP-EC ENTRY  
1/4" = 1'-0"



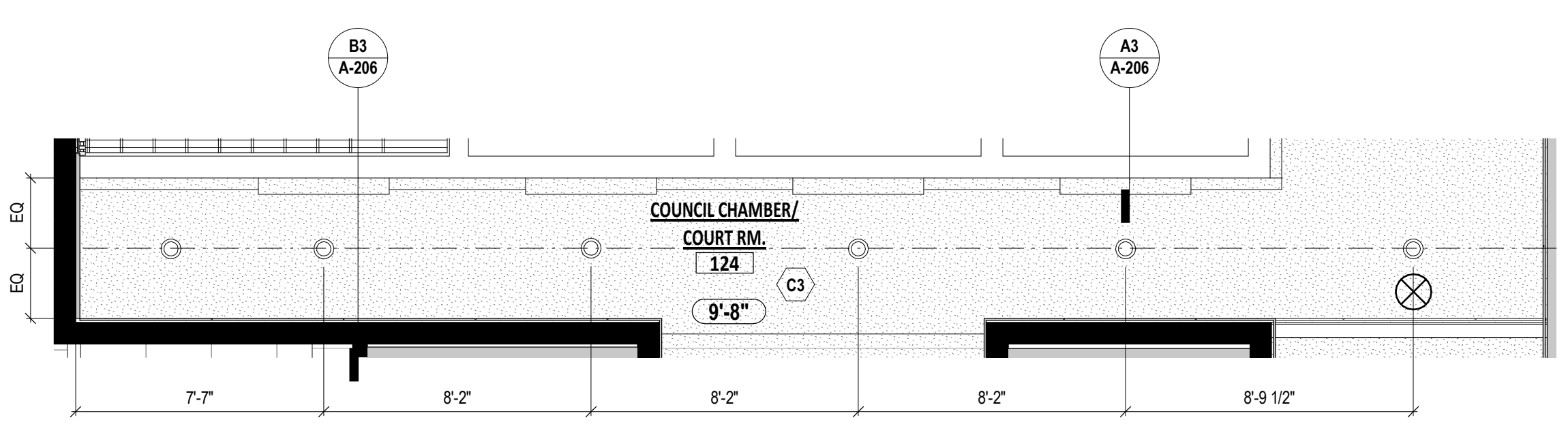
A4 RCP-EVENT CENTER KITCHEN  
1/4" = 1'-0"



A5 RCP-RESTROOM EVENT CENTER  
1/4" = 1'-0"



C1 RCP-LOBBY  
1/4" = 1'-0"



B1 RCP-RESTROOM ADMIN  
1/4" = 1'-0"

A1 RCP-COUNCIL CHAMBER  
1/4" = 1'-0"

RCP GENERAL NOTES

01. CEILING ASSEMBLIES SHALL BE INSTALLED ACCORDING TO U.L. STANDARDS AND PER APPLICABLE CODES FOR REQUIRED FIRE RATED CONSTRUCTION.
02. CLEAN, PRIME AND PAINT ALL EXPOSED STRUCTURE, DUCTS, CONDUIT, UNI-STRUT, PIPING, ROOF DECK AND SIMILAR.
03. FIRE SPRINKLER HEAD LOCATIONS ARE TO BE COORDINATED WITH LIGHTING, HVAC, DATA, TELECOMMUNICATIONS, AND AUDIO VISUAL EQUIPMENT. FIRE SPRINKLER HEADS ARE TO BE CENTERED BOTH WAYS IN CEILING TILE, GYPSUM BOARD, REVEALS, ETC. RECESSED SPRINKLER HEADS ARE REQUIRED AT ALL HARD CEILINGS.
04. UNLESS OTHERWISE NOTED, ACCESS PANELS (MINIMUM 12" x 12" OR 24" x 24") SHALL BE PROVIDED IN ALL PARTITIONS OR CEILINGS WHERE ELECTRICAL, TRANSFORMERS, JUNCTION BOXES, PLUMBING VALVES, HVAC VAV BOXES, MOTORIZED DAMPERS, FIRE DAMPERS, SANITARY SEWER OR GREASE LINE TRAPS REQUIRING ACCESS ARE LOCATED. NOTE THAT MANY OF THESE ITEMS ARE NOT INDICATED ON THESE DOCUMENTS, BUT ACCESS PANELS SHALL BE PROVIDED AS THOUGH THEY HAVE BEEN SHOWN THROUGHOUT. (BURDEN OF DETERMINING QUANTITY IS ON THE CONTRACTOR). THE ARCHITECT SHALL COORDINATE THESE ACCESS PANELS WITH THE CONTRACTOR AT A LATER DATE SO AS TO MINIMIZE THE IMPACT ON AESTHETIC DESIGN OF THE PROJECT. ACCESS PANELS LOCATED IN FIRE RATED PARTITIONS OR CEILINGS SHALL LOCATE ALL ELEMENTS WHICH REQUIRE ACCESS ABOVE NONPUBLIC AREA CEILINGS OR ABOVE ACOUSTICAL PANEL OR TILE CEILINGS, IF POSSIBLE. THE CONTRACTOR SHALL PROVIDE A MARKED UP PLAN TO THE ARCHITECT AND OWNER SHOWING ALL AREAS AS REQUIRING ACCESS.
05. ALL EMERGENCY LIGHT FIXTURES TO BE WALL MOUNTED ON BAND ABOVE DOORS. REFER TO ELEVATIONS.

CEILING FINISH LEGEND

	24" x 24" ACOUSTICAL CEILING TILE, ARMSTRONG, CANYON WHITE
	SUSPENDED ACOUSTICAL CLOUDS, ARMSTRONG, ACOUSTIBUILT
	LATEX PAINT, SHERWIN WILLIAMS
	WOODS SLATS PER MFR, ARMSTRONG, PLAIN SLICED WALNUT
	ARCHITECTURAL FLUSH METAL PANEL SOFFIT
	DEFS ON METAL STUDS
	ALUMINUM CANOPY



Revisions:	NUMBER	DATE	DESCRIPTION
	3	3/12/2024	ADDENDUM 3
	1	02/22/2024	ADDENDUM 1

Hutchins City Hall

400 N. JJ Lemon Rd.  
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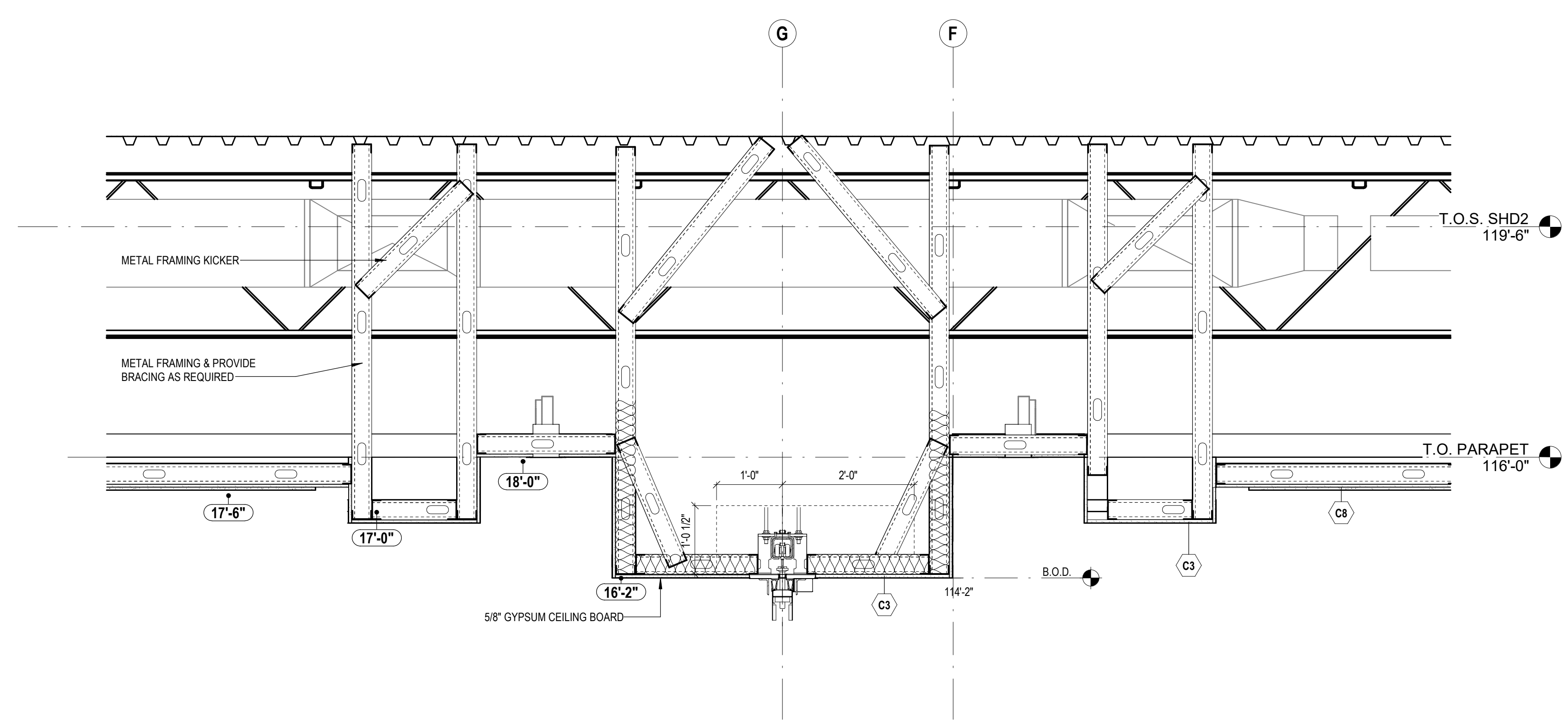
REFLECTED CEILING PLAN

Project No.

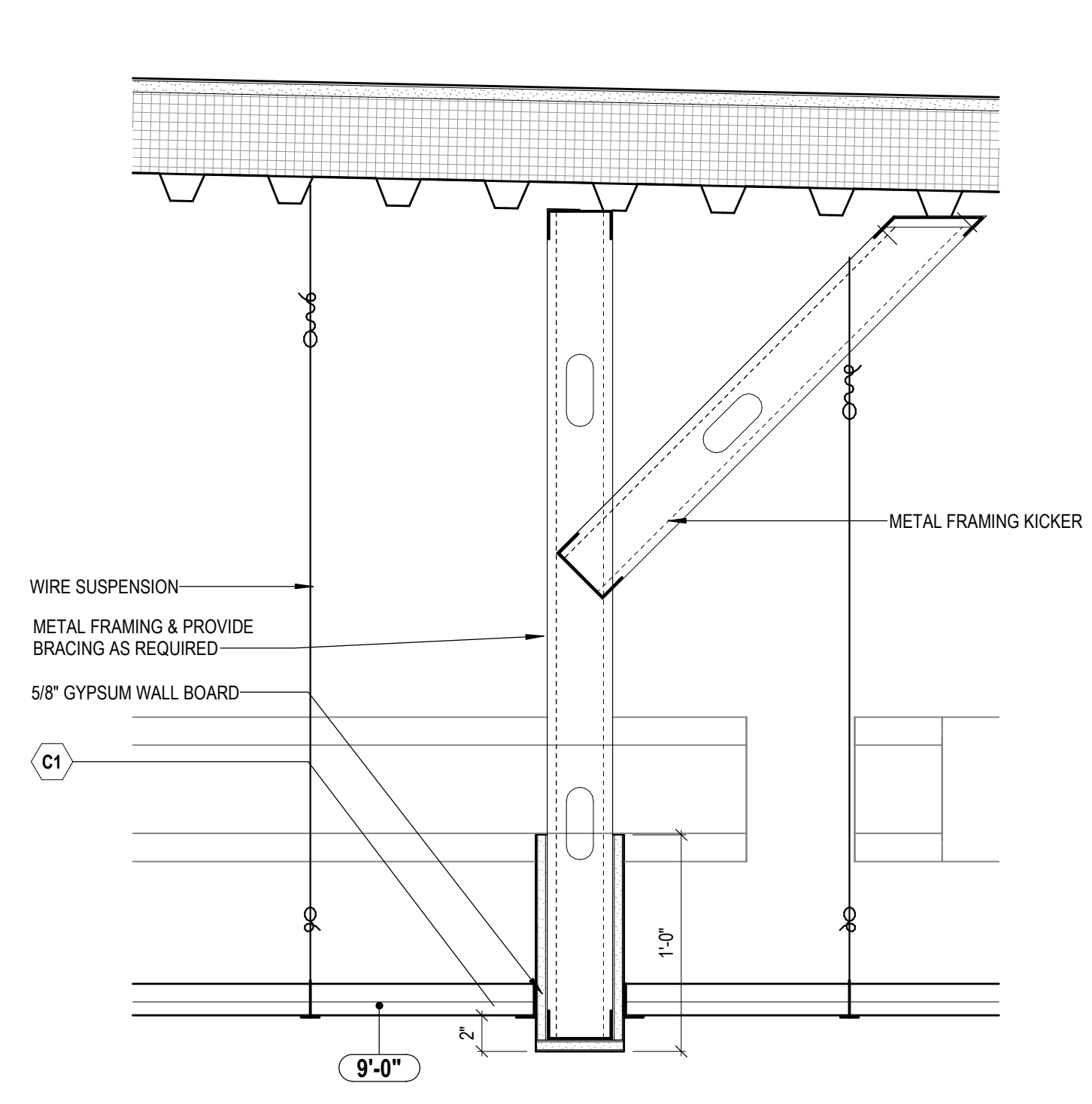
23046 **A-205**



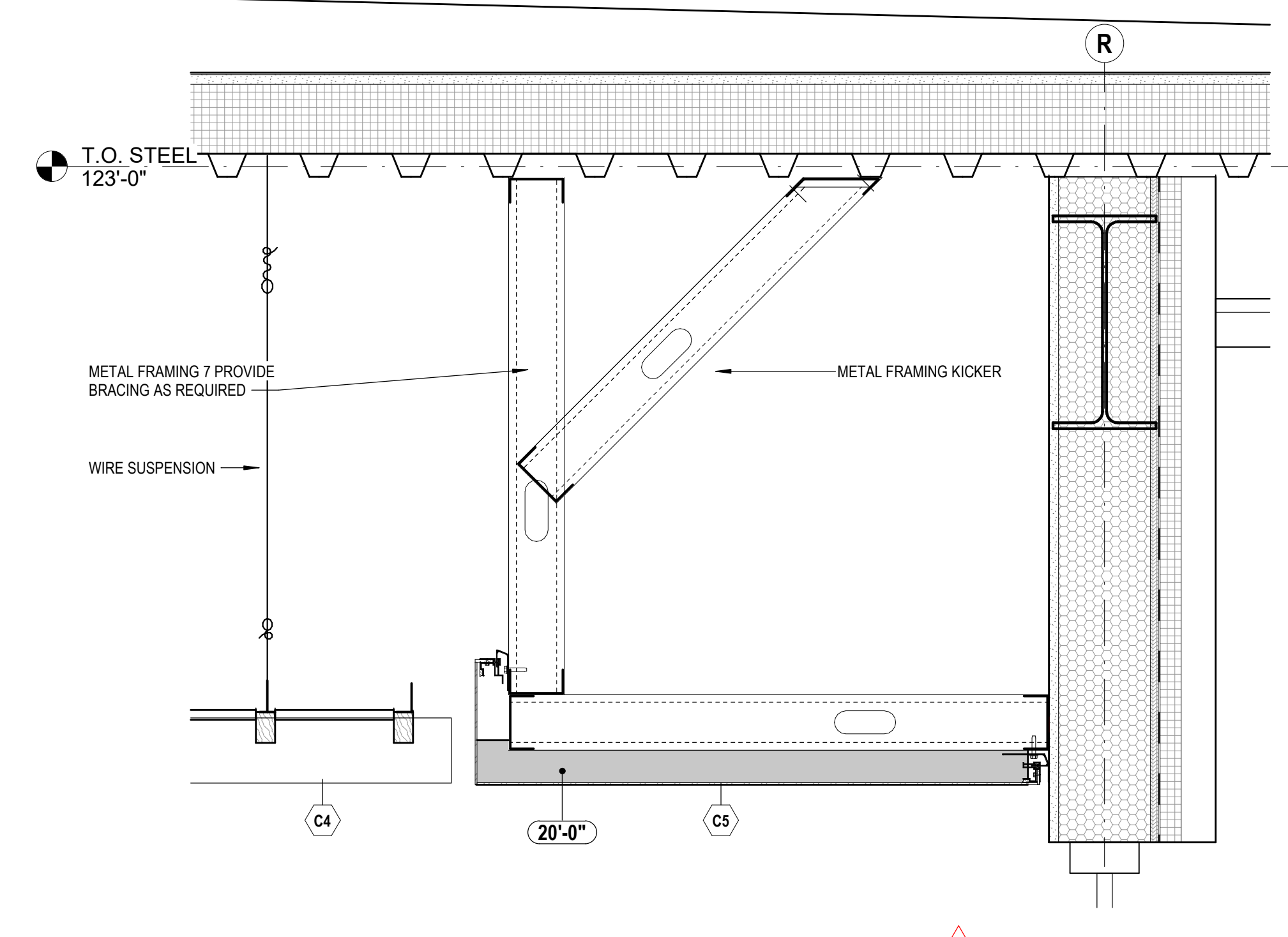
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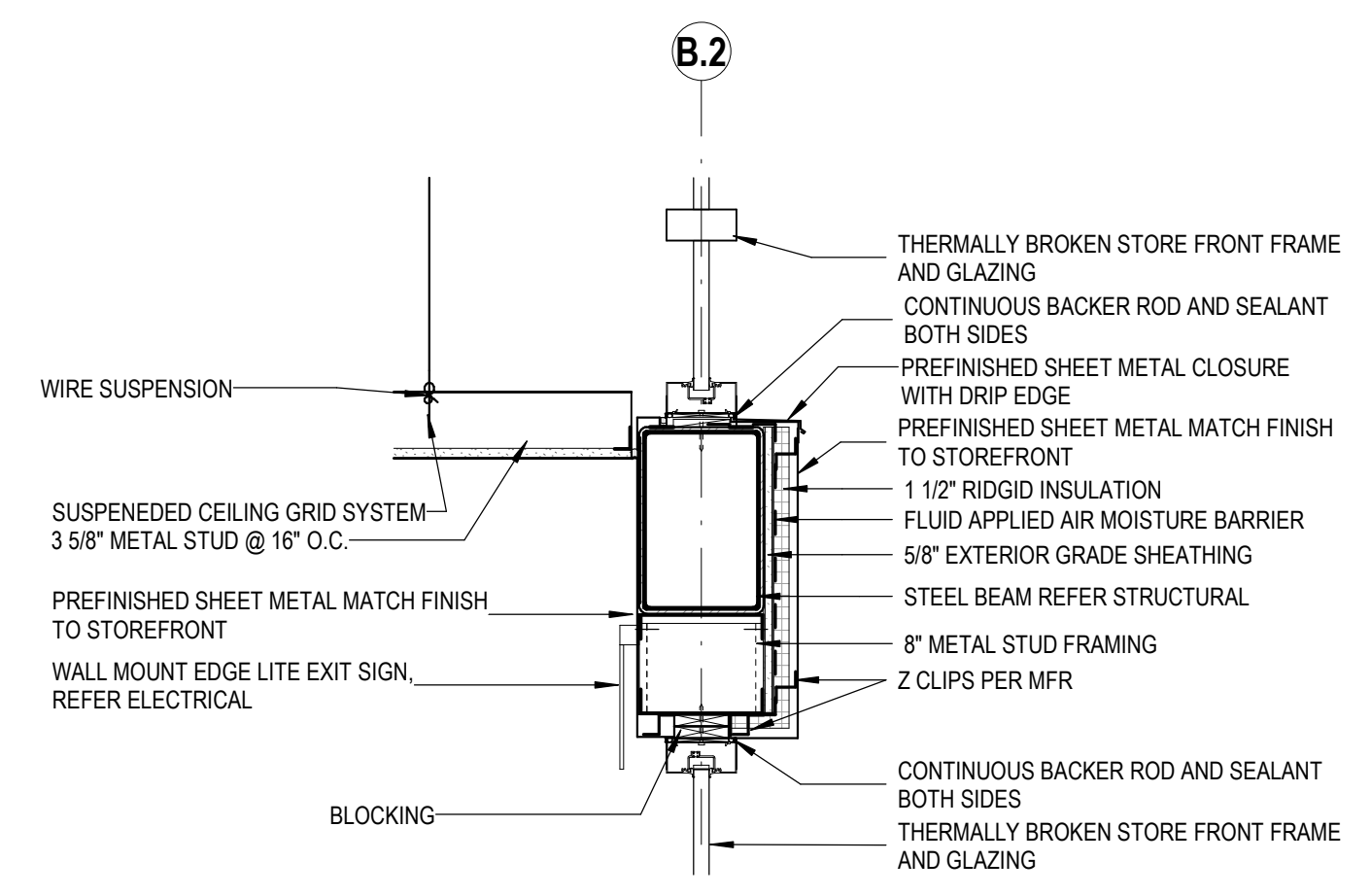
D1 EVENT PARTITION DETAIL 3/4" = 1'-0"



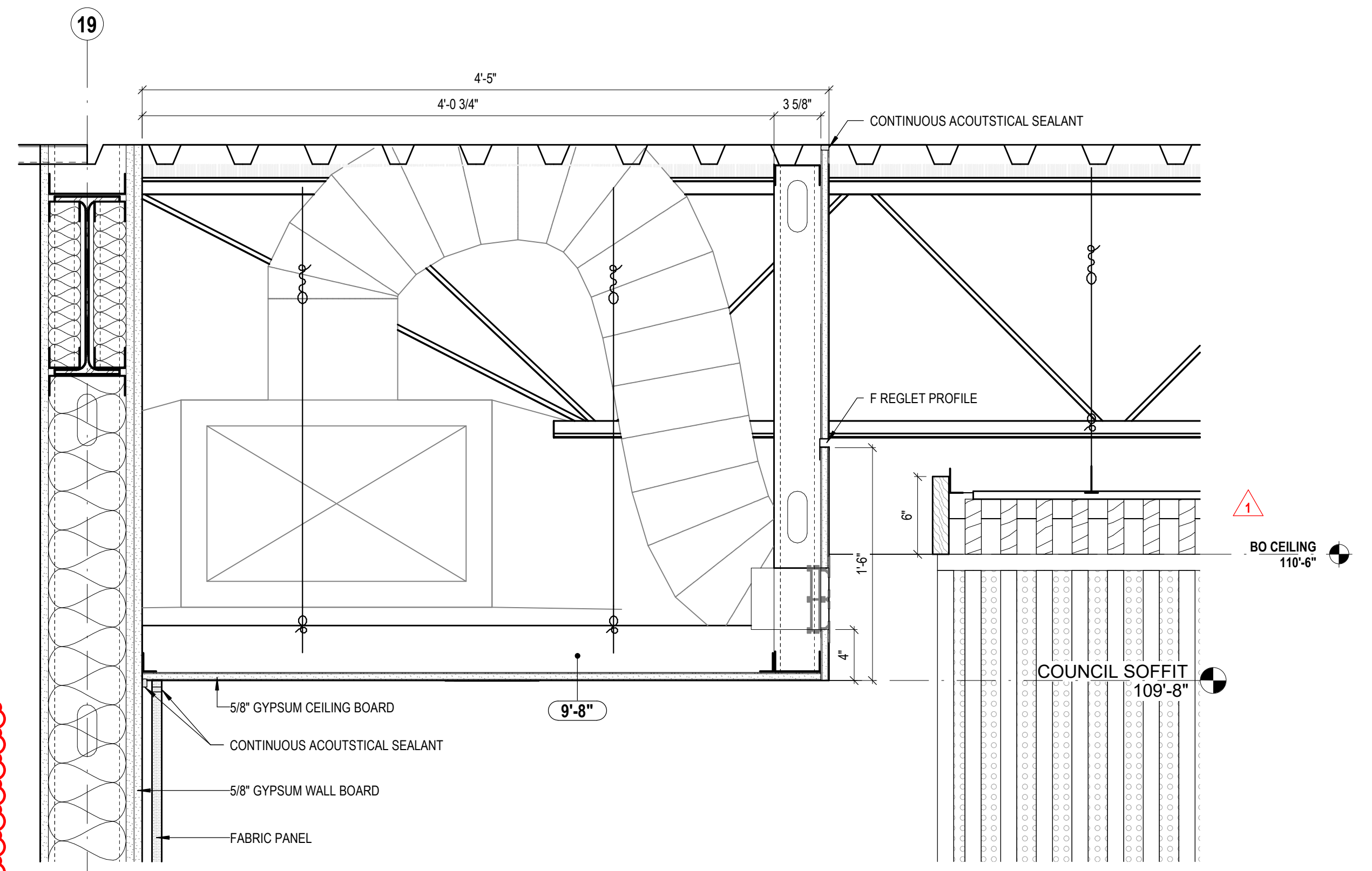
D4 TYPICAL BULKHEAD 1 1/2" = 1'-0"



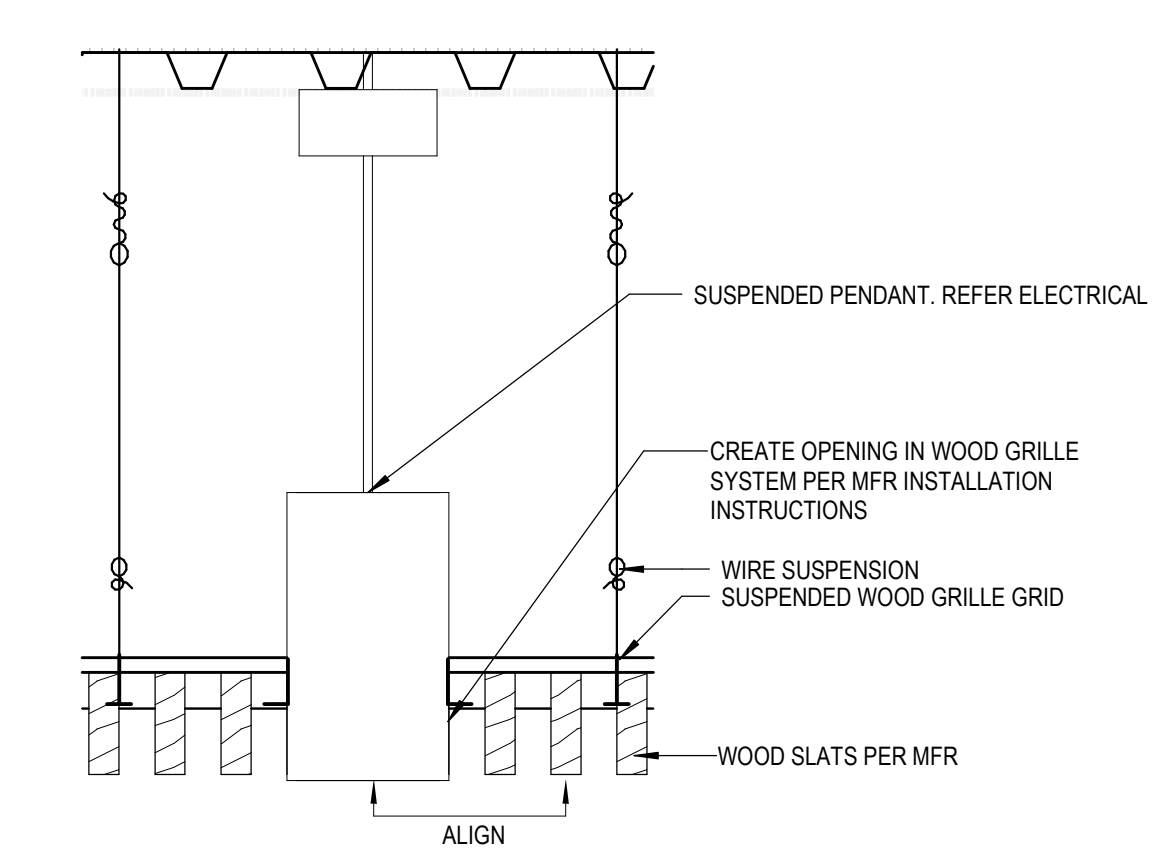
D5 LOBBY METAL PANEL/WOOD CEILING 1 1/2" = 1'-0"



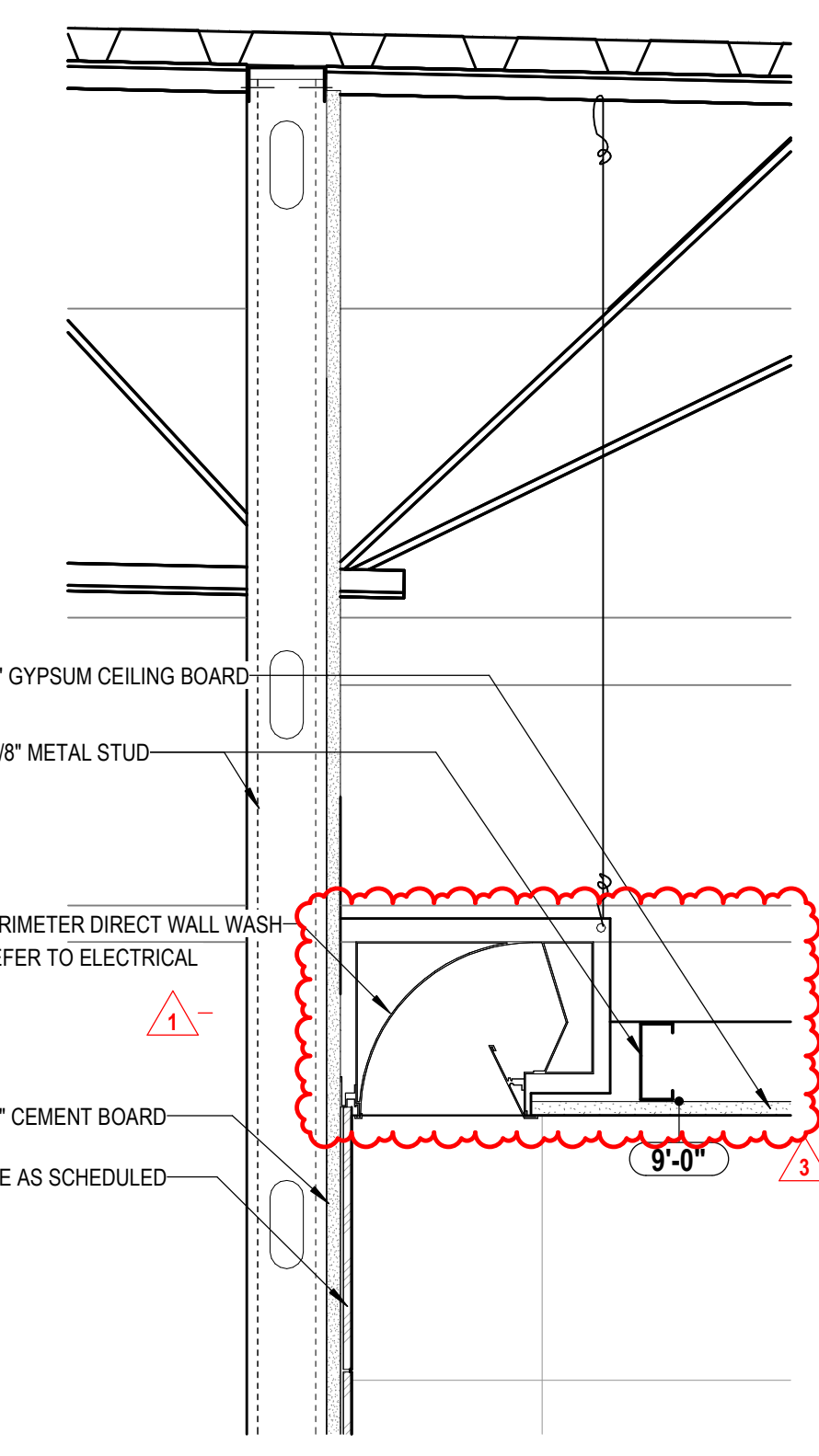
C1 SECTION DETAIL 1" = 1'-0"



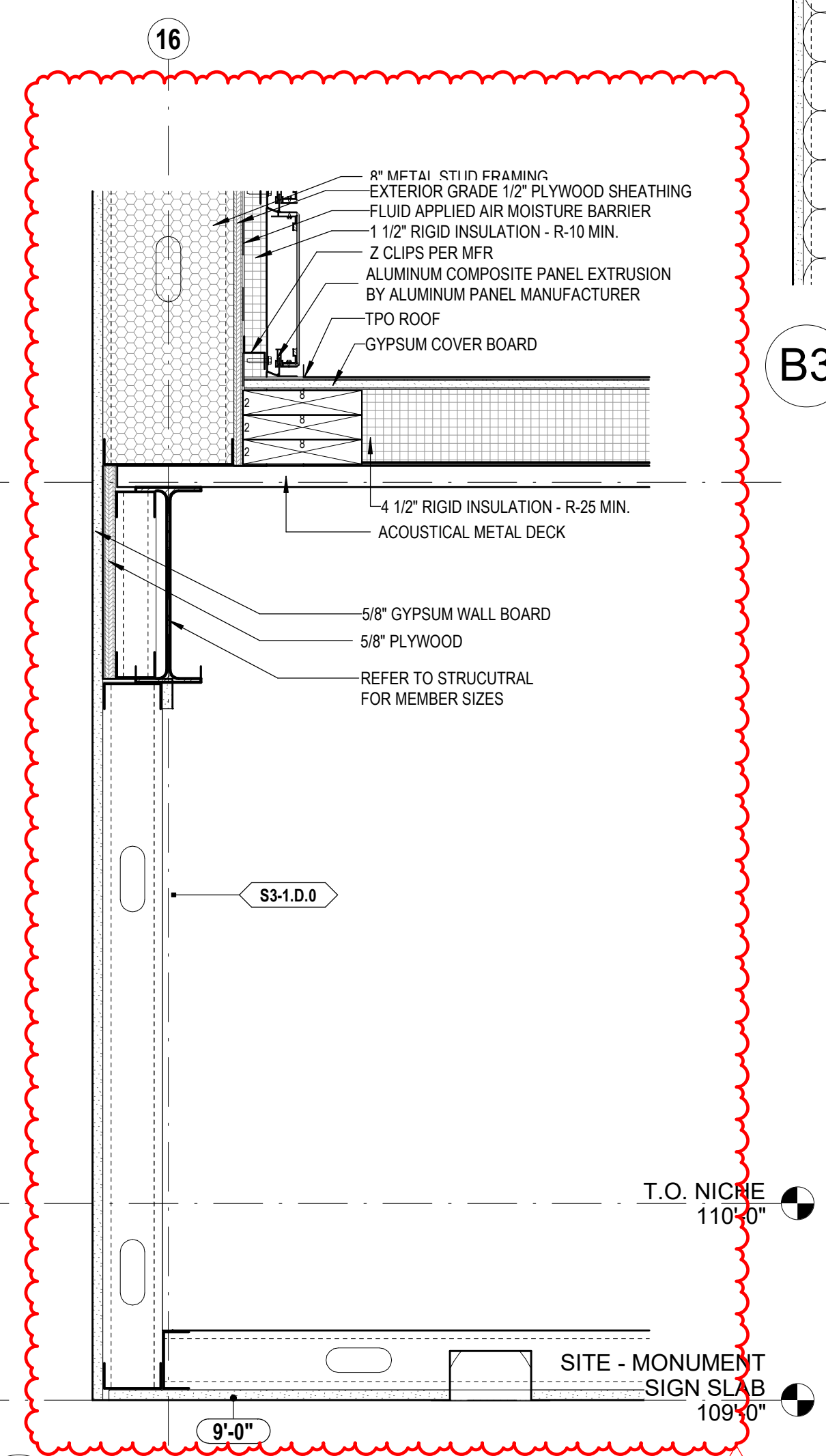
B3 SECTION DETAIL 1 1/2" = 1'-0"



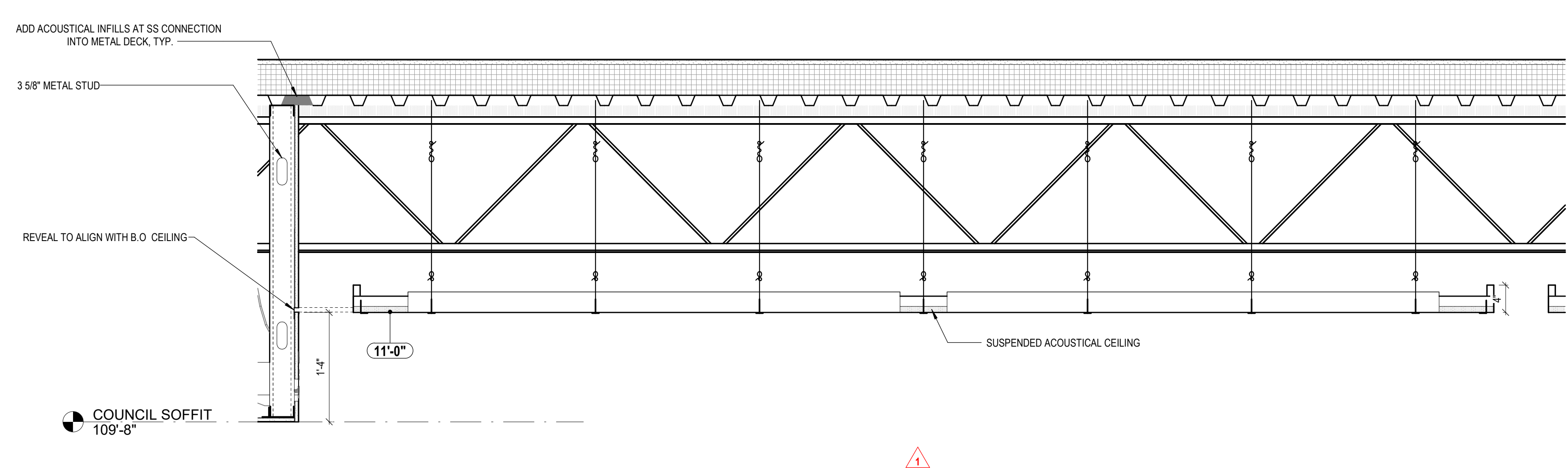
C5 TYPICAL PENDANT AT GRILLE CEILING 1 1/2" = 1'-0"



A1 LIGHT COVE 1 1/2" = 1'-0"



A2 RCP 1 1/2" = 1'-0"



A3 ACOUSTICAL CEILING COUNCIL CHAMBER 1" = 1'-0"

Revisions:	NUMBER	DATE	DESCRIPTION
	3	3/12/2024	ADDENDUM 3
	1	02/22/2024	ADDENDUM 1

Issue Date: FEBRUARY 8, 2024

# Hutchins City Hall

400 N. JJ Lemon Rd. Hutchins, TX 75141

## REFLECTED CEILING PLAN DETAILS

Project No.

23046

A-206

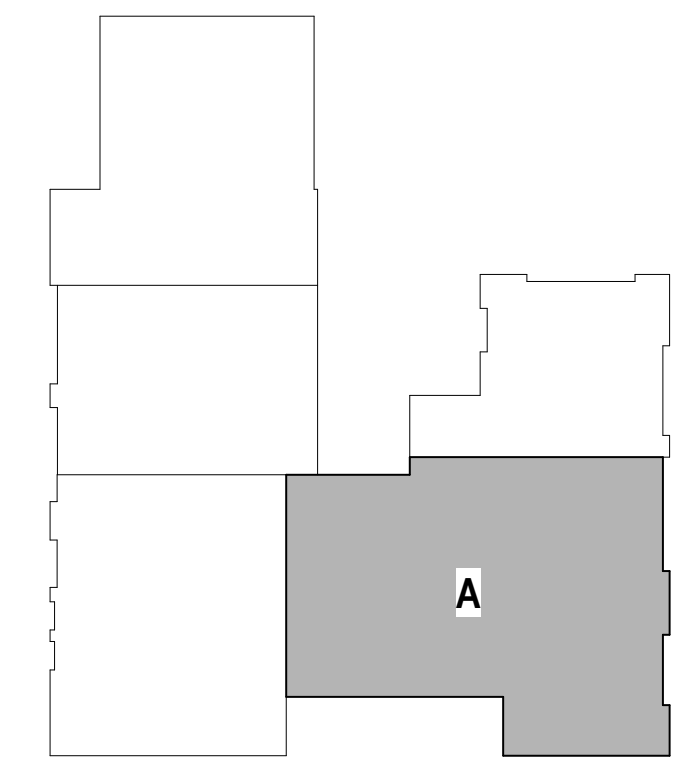
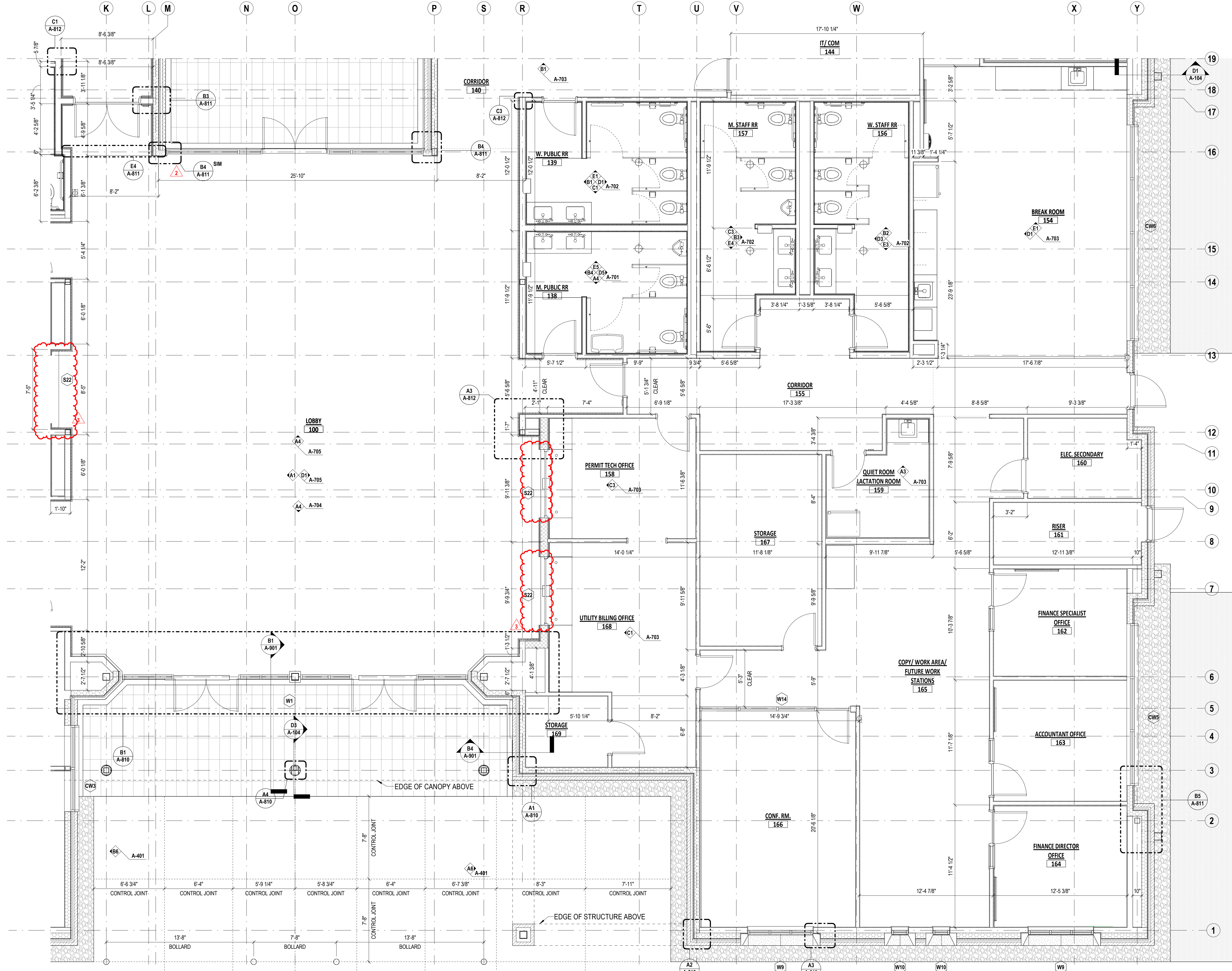
**ENLARGED FLOOR PLAN GENERAL NOTES**

01. CEILING ASSEMBLIES SHALL BE INSTALLED ACCORDING TO U.L. STANDARDS AND PER APPLICABLE CODES FOR REQUIRED FIRE RATED CONSTRUCTION.

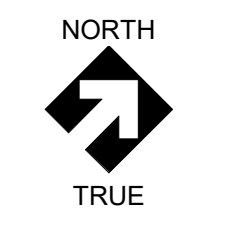
02. CLEAN, PRIME AND PAINT ALL EXPOSED STRUCTURE, DUCTS, CONDUIT, UNI-STRUT, PIPING, ROOF DECK AND SIMILAR.

03. FIRE SPRINKLER HEAD LOCATIONS ARE TO BE COORDINATED WITH LIGHTING, HVAC, DATA, TELECOMMUNICATIONS, AND AUDIO VISUAL EQUIPMENT. FIRE SPRINKLER HEADS ARE TO BE CENTERED BOTH WAYS IN CEILING TILE. GYPSUM BOARD, REVEALS, ETC. RECESSED SPRINKLER HEADS ARE REQUIRED AT ALL HARD CEILINGS.

04. UNLESS OTHERWISE NOTED, ACCESS PANELS (MINIMUM 12" x 12" OR 24" x 24") SHALL BE PROVIDED IN ALL PARTITIONS OR CEILINGS WHERE ELECTRICAL TRANSFORMERS, JUNCTION BOXES, PLUMBING VALVES, HVAC VAV BOXES, MOTORIZED DAMPERS, FIRE DAMPERS, SANITARY SEWER OR GREASE LINE TRAPS REQUIRING ACCESS ARE LOCATED. NOTE THAT MANY OF THESE ITEMS ARE NOT INDICATED ON THESE DOCUMENTS, BUT ACCESS PANELS SHALL BE PROVIDED AS THOUGH THEY HAVE BEEN SHOWN THROUGHOUT (BURDEN OF DETERMINING QUANTITY IS ON THE CONTRACTOR). THE ARCHITECT SHALL COORDINATE THESE ACCESS PANELS WITH THE CONTRACTOR AT A LATER DATE SO AS TO MINIMIZE THE IMPACT ON AESTHETIC DESIGN OF THE PROJECT. ACCESS PANELS LOCATED IN FIRE RATED PARTITIONS OR CEILINGS SHALL LOCATE ALL ELEMENTS WHICH REQUIRE ACCESS ABOVE NONPUBLIC AREA CEILINGS OR ABOVE ACoustICAL PANEL OR TILE CEILINGS. IF POSSIBLE, THE CONTRACTOR SHALL PROVIDE A MARKED UP PLAN TO THE ARCHITECT AND OWNER SHOWING ALL AREAS AS REQUIRING ACCESS.



KEY PLAN



3	3/12/2024	ADDENDUM 3
2	03/04/2024	ADDENDUM 2
1		DESCRIPTION

Issue Date: FEBRUARY 8, 2024

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400 N. JJ Lemon Rd.  
Hutchins, TX 75141

## ENLARGED PLANS

Project No.

23046

# A-301

**A1 FP-ENLGRD-FINANCE**  
1/4" = 1'-0"

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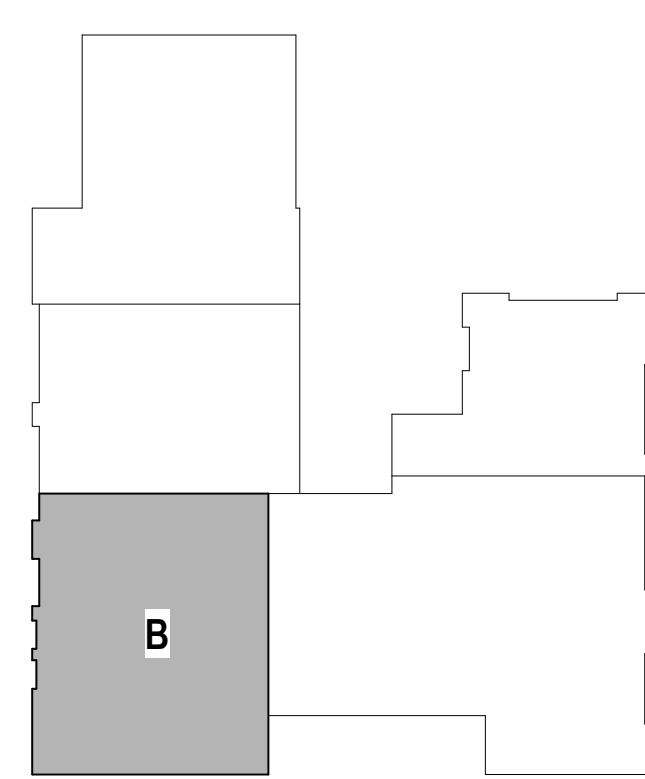
**ENLARGED FLOOR PLAN GENERAL NOTES**

01. CEILING ASSEMBLIES SHALL BE INSTALLED ACCORDING TO U.L. STANDARDS AND PER APPLICABLE CODES FOR REQUIRED FIRE RATED CONSTRUCTION.

02. CLEAN, PRIME AND PAINT ALL EXPOSED STRUCTURE, DUCTS, CONDUIT, UNI-STRUT, PIPING, ROOF DECK AND SIMILAR.

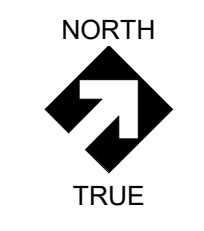
03. FIRE SPRINKLER HEAD LOCATIONS ARE TO BE COORDINATED WITH LIGHTING, HVAC, DATA, TELECOMMUNICATIONS, AND AUDIO VISUAL EQUIPMENT. FIRE SPRINKLER HEADS ARE TO BE CENTERED BOTH WAYS IN CEILING TILE, GYPSUM BOARD, REVEALS, ETC. RECESSED SPRINKLER HEADS ARE REQUIRED AT ALL HARD CEILINGS.

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KEY PLAN

**A2** FP ENLRGD-ADMIN  
1/4" = 1'-0"



Revisions:	NUMBER	DATE	DESCRIPTION
	3	3/12/2024	ADDENDUM 3
	2	03/04/2024	ADDENDUM 2
	1	02/22/2024	ADDENDUM 1

Issue Date: FEBRUARY 8, 2024  
**Hutchins City Hall**

400 N. JJ Lemon Rd.  
Hutchins, TX 75141

**ENLARGED PLANS**

Project No.

23046

**A-302**



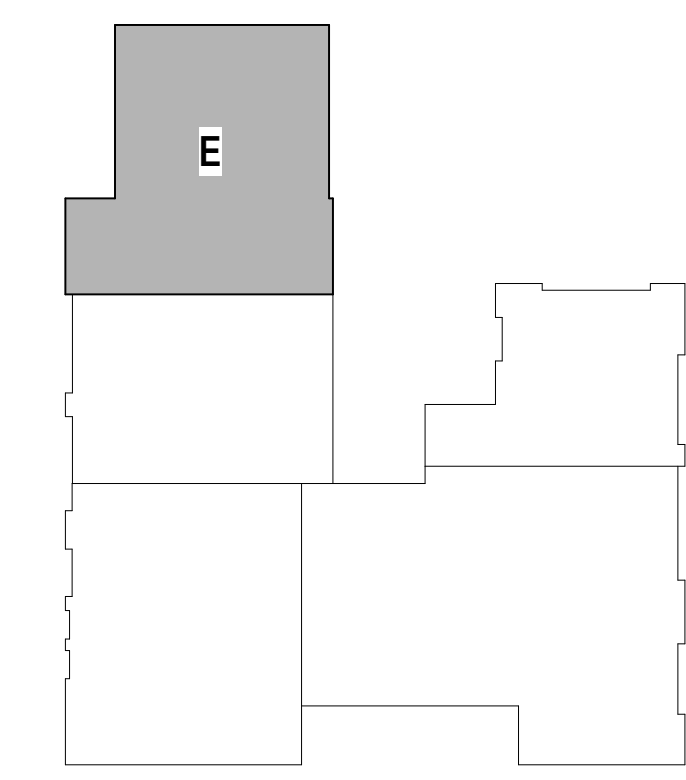
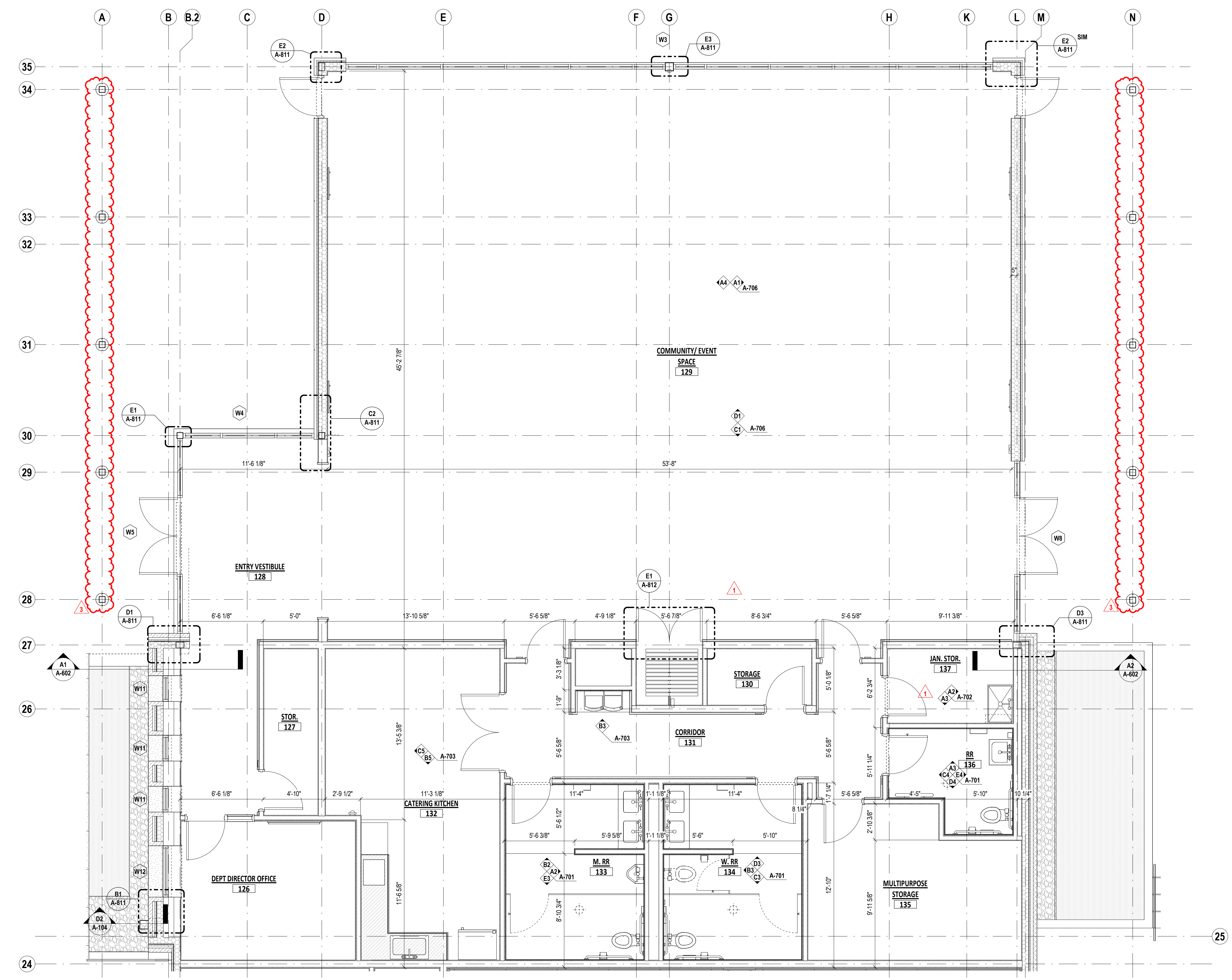
**ENLARGED FLOOR PLAN GENERAL NOTES**

01. CEILING ASSEMBLIES SHALL BE INSTALLED ACCORDING TO U.L. STANDARDS AND PER APPLICABLE CODES FOR REQUIRED FIRE RATED CONSTRUCTION.

02. CLEAN, PRIME AND PAINT ALL EXPOSED STRUCTURE, DUCTS, CONDUIT, UNI-STRUT, PIPING, ROOF DECK AND SIMILAR.

03. FIRE SPRINKLER HEAD LOCATIONS ARE TO BE COORDINATED WITH LIGHTING, HVAC, DATA, TELECOMMUNICATIONS, AND AUDIO VISUAL EQUIPMENT. FIRE SPRINKLER HEADS ARE TO BE CENTERED BOTH WAYS IN CEILING TILE, GYPSUM BOARD, REVEALS, ETC. RECESSED SPRINKLER HEADS ARE REQUIRED AT ALL HARD CEILINGS.

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KEY PLAN

**A2** FP-ENLRGD-EC  
1/4" = 1'-0"



Revisions:	NUMBER	DATE	DESCRIPTION
	3	3/12/2024	ADDENDUM 3
	1	02/22/2024	ADDENDUM 1

Issue Date: FEBRUARY 8, 2024

### Hutchins City Hall

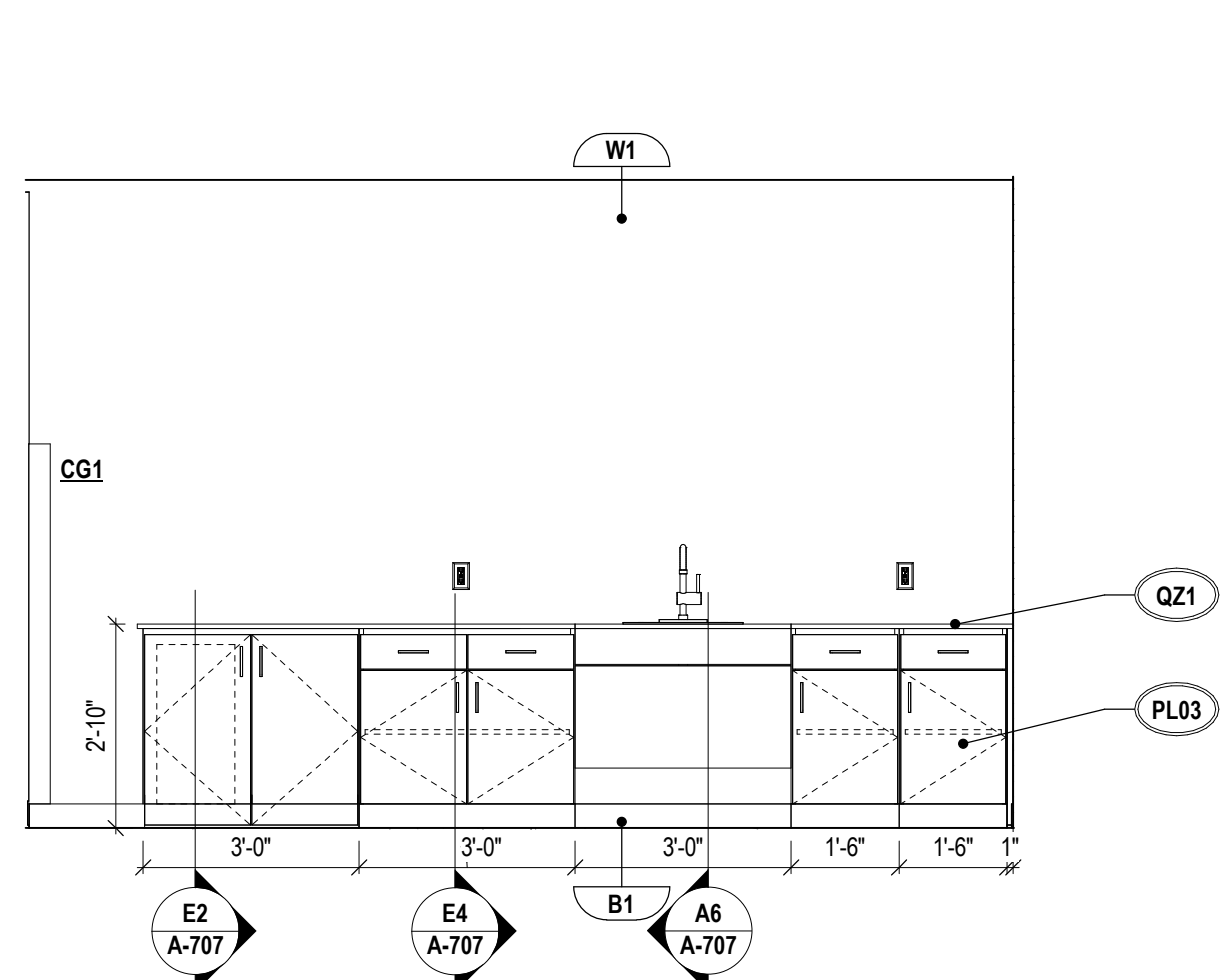
400 N. JJ Lemon Rd.  
Hutchins, TX 75141

### ENLARGED PLANS

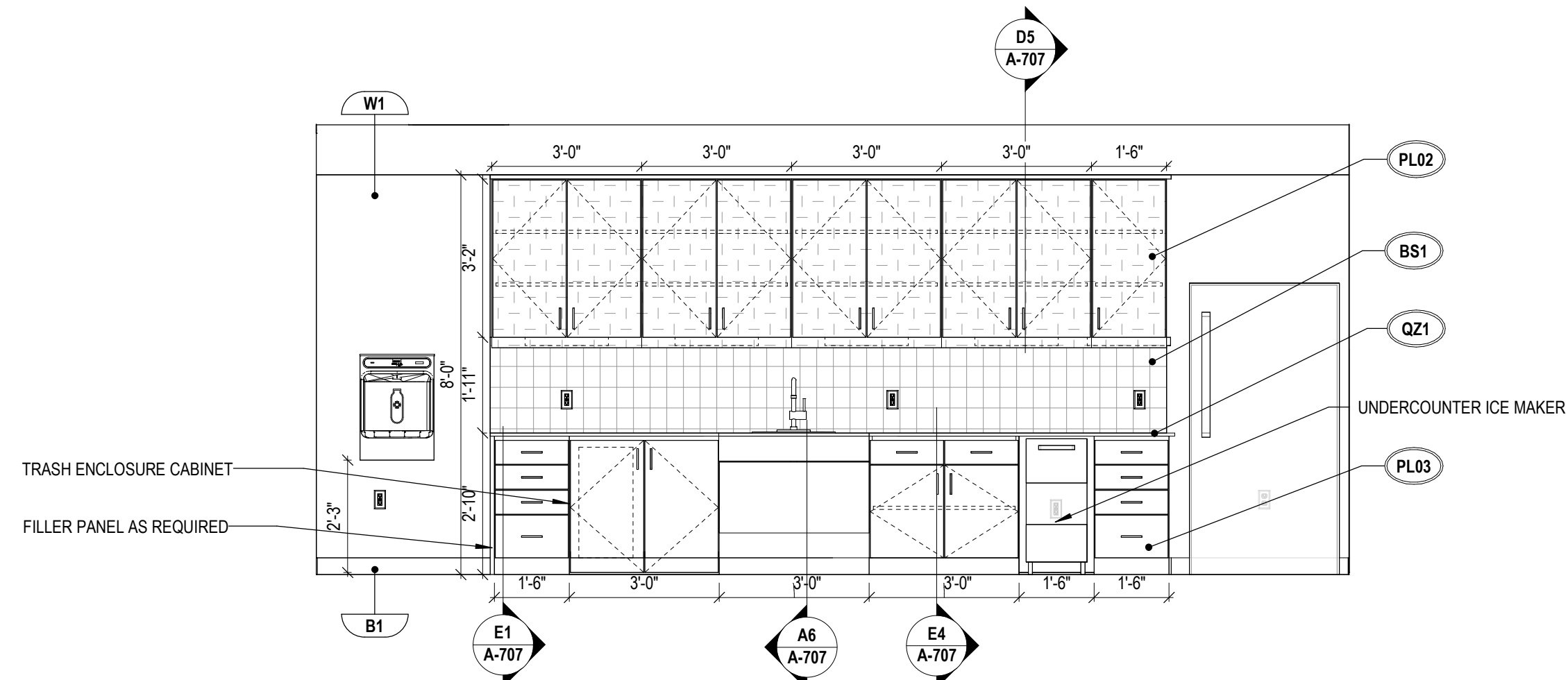
Project No.

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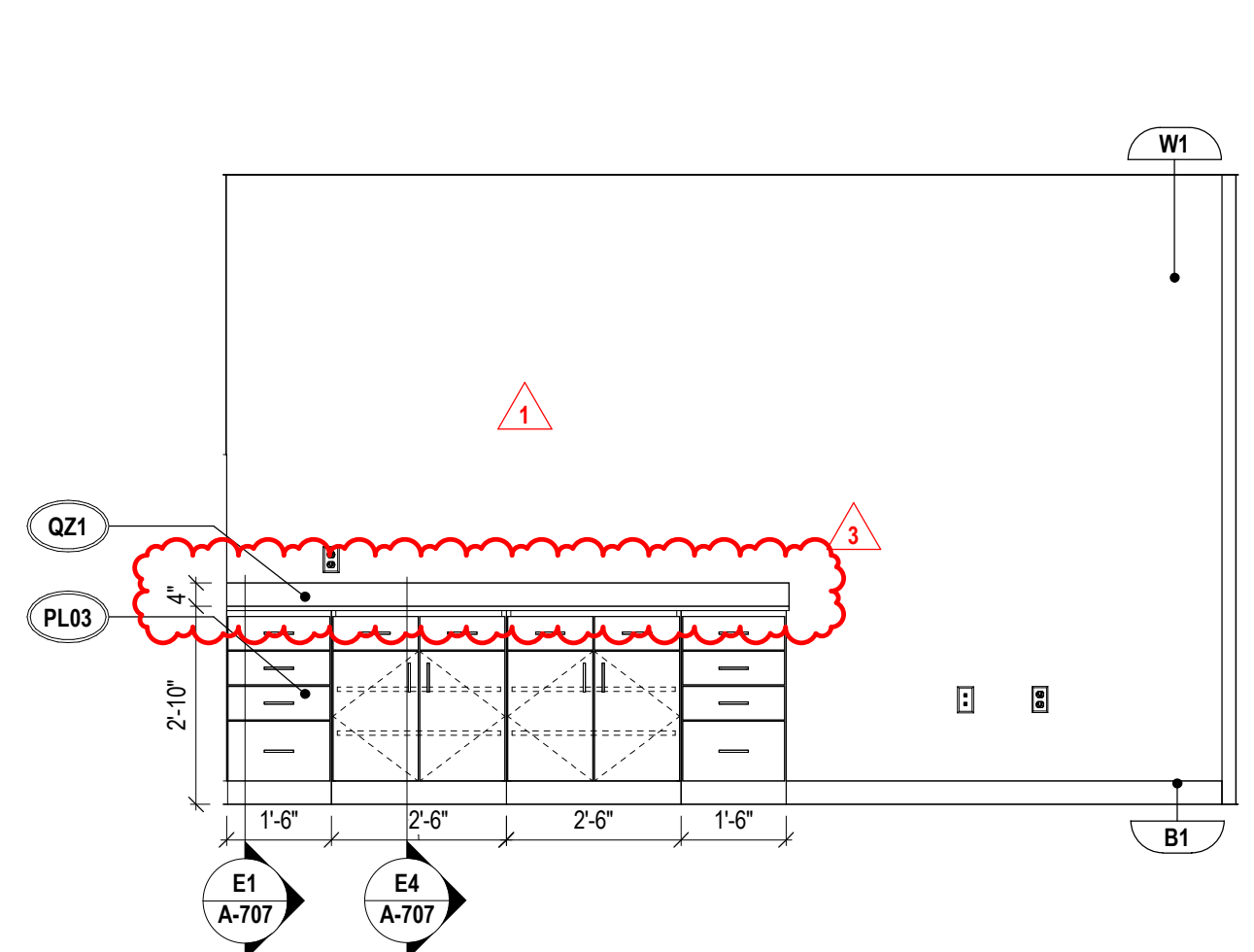
**A-304**



**E1** 154 BREAK AREA NORTH  
3/8" = 1'-0"



**E3** 113 STAFF BREAKROOM SOUTH  
3/8" = 1'-0"

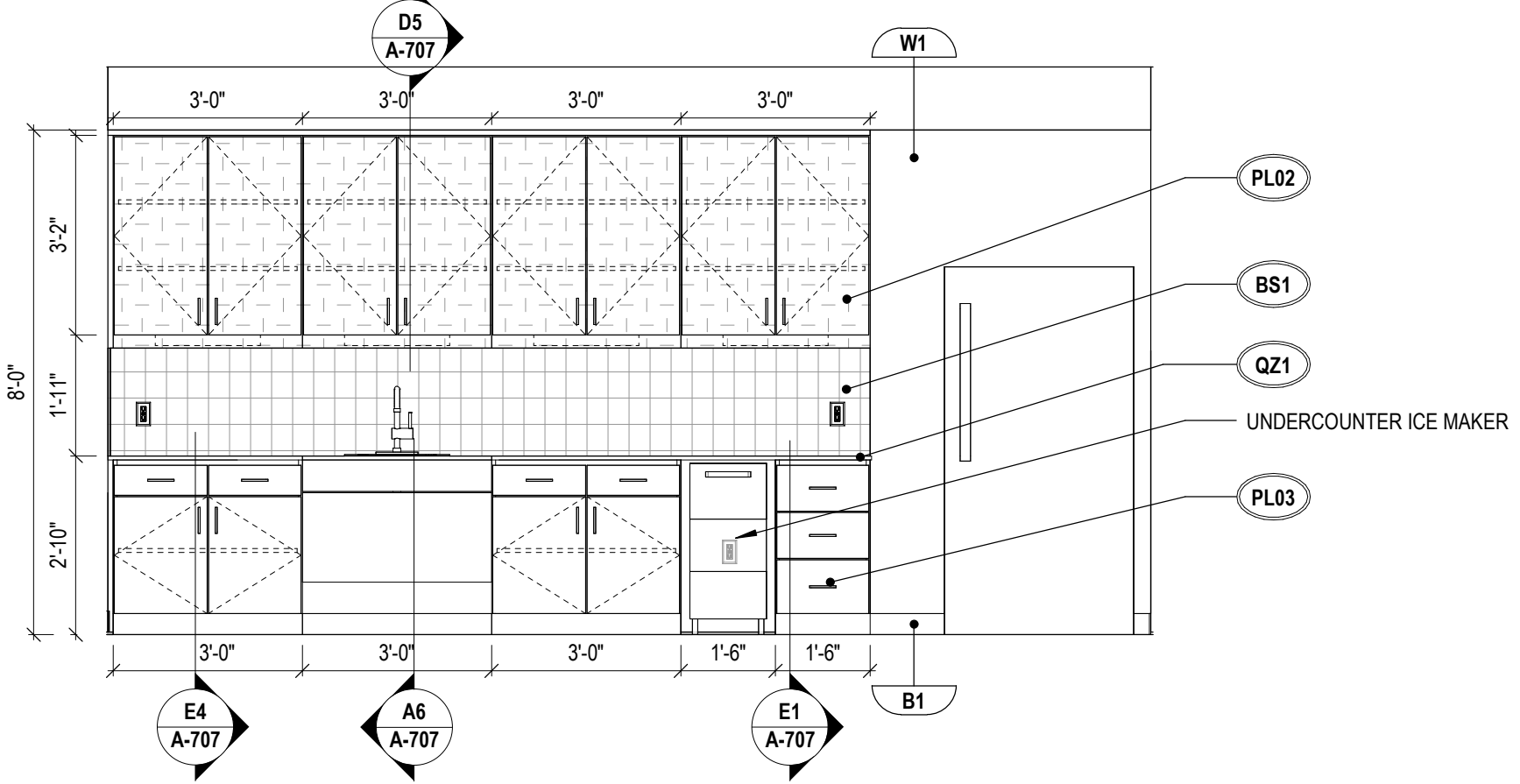


**E5** 122 WORK ROOM EAST  
3/8" = 1'-0"

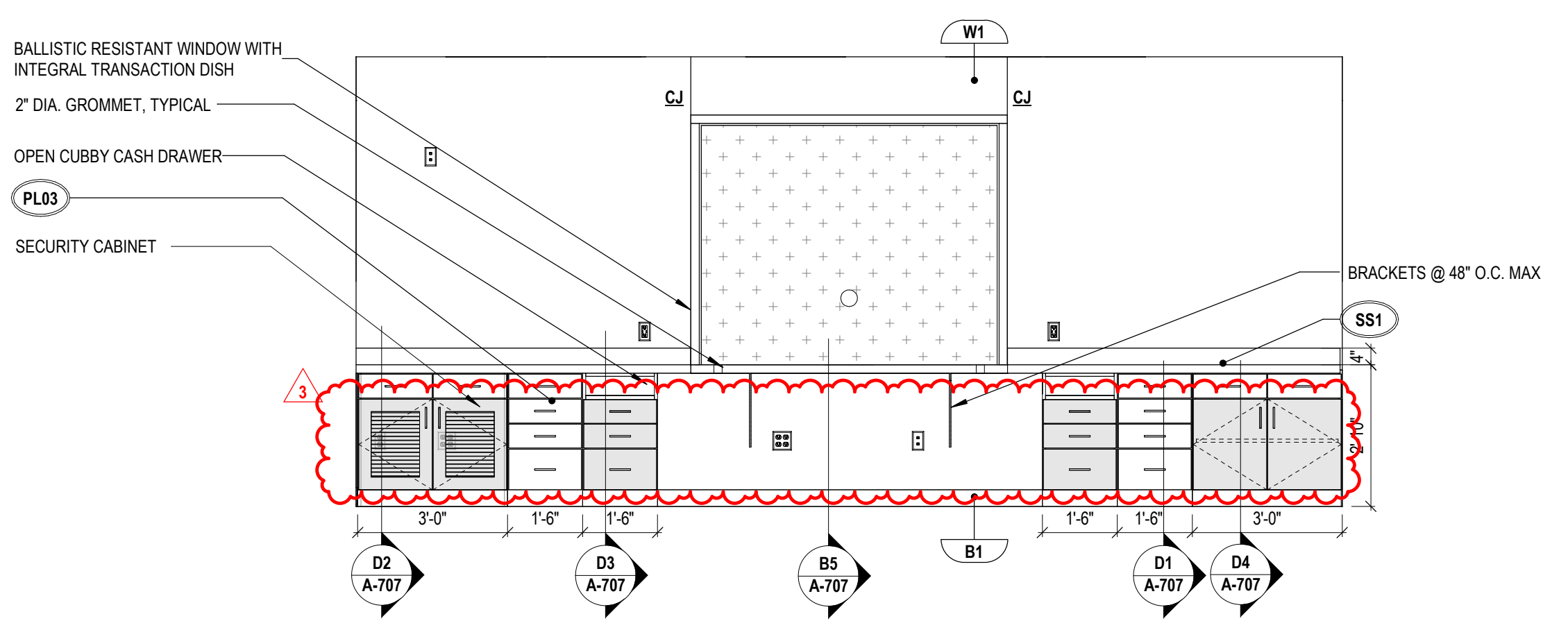
**INTERIOR ELEVATIONS GENERAL NOTES**

01. CEILING ASSEMBLIES SHALL BE INSTALLED ACCORDING TO U.L. STANDARDS AND PER APPLICABLE CODES FOR REQUIRED FIRE RATED CONSTRUCTION.
02. CLEAN, PRIME AND PAINT ALL EXPOSED STRUCTURE, DUCTS, CONDUIT, UNI-STRUT, PIPING, ROOF DECK AND SIMILAR.
03. FIRE SPRINKLER HEAD LOCATIONS ARE TO BE COORDINATED WITH LIGHTING, HVAC, DATA, TELECOMMUNICATIONS, AND AUDIO VISUAL EQUIPMENT. FIRE SPRINKLER HEADS ARE TO BE CENTERED BOTH WAYS IN CEILING TILE. GYPSUM BOARD, REVEALS, ETC. RECESSED SPRINKLER HEADS ARE REQUIRED AT ALL HARD CEILINGS.
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05. COORDINATE ALL TV LOCATIONS WITH TECHNOLOGY. PROVIDE BLOCKING BEHIND ALL TV'S.

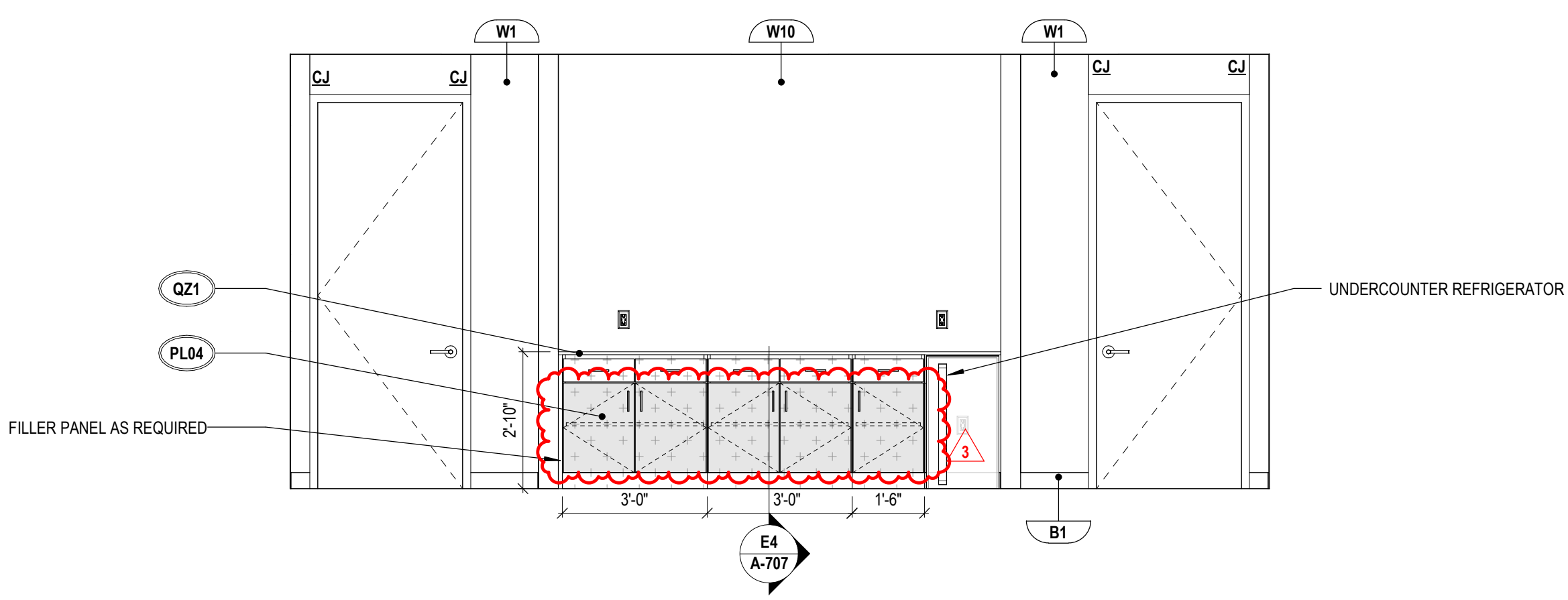
NOTE: HATCH REPRESENTS MILLWORK CABINETS TO RECEIVE LOCKS.



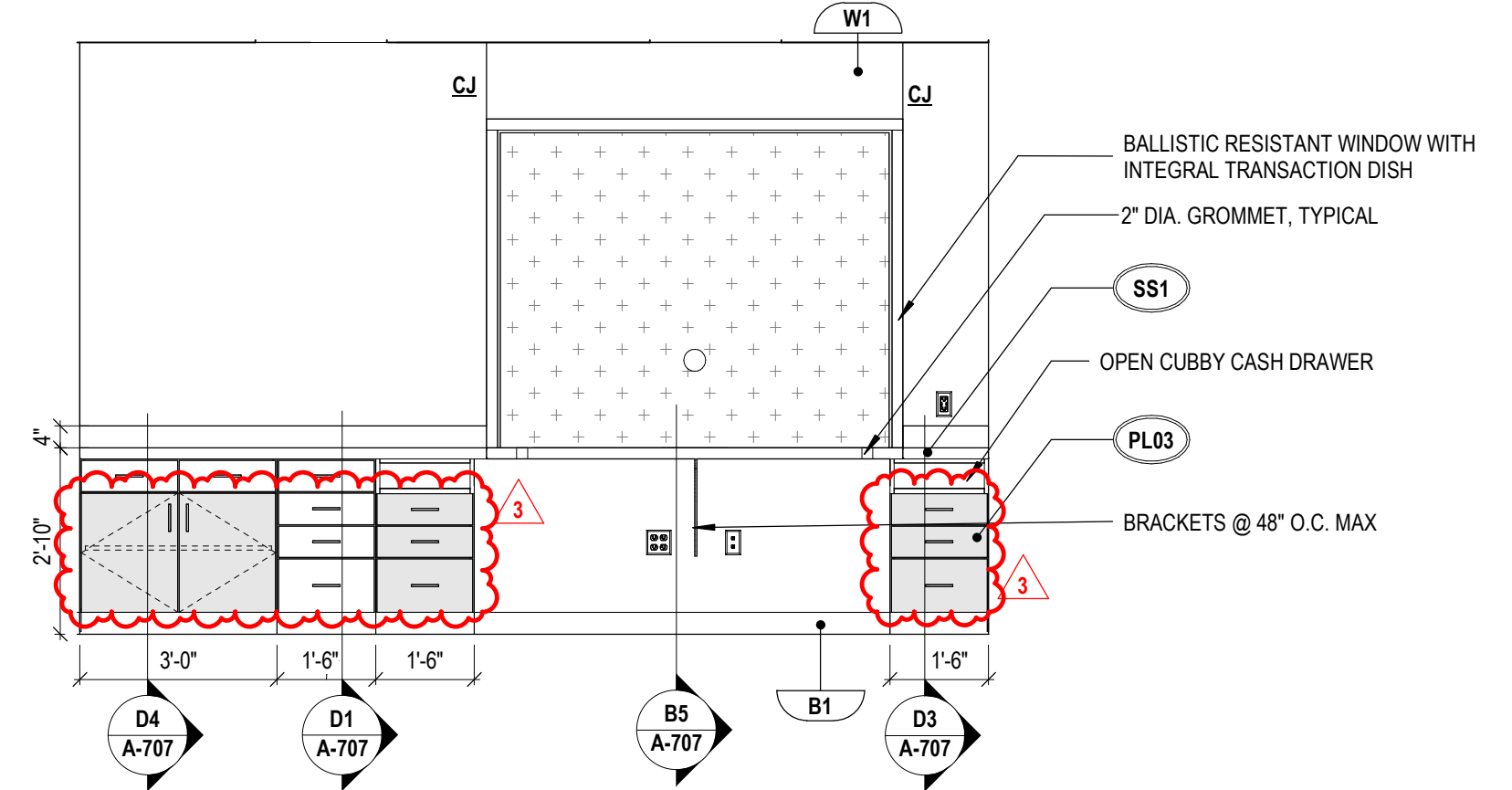
**D1** 154 BREAK AREA WEST  
3/8" = 1'-0"



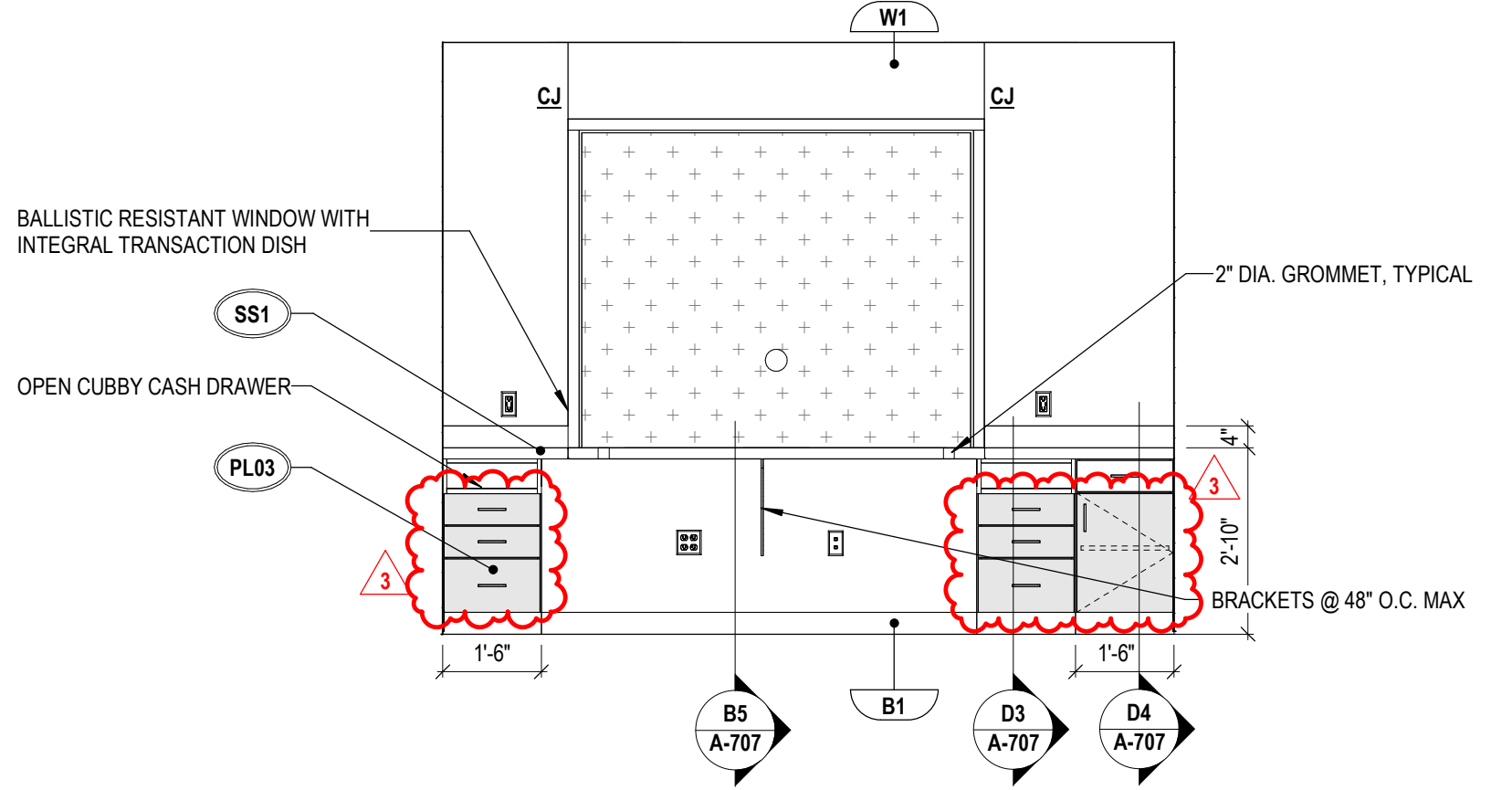
**D3** 115 CLERK TRANSACTION COUNTER EAST  
3/8" = 1'-0"



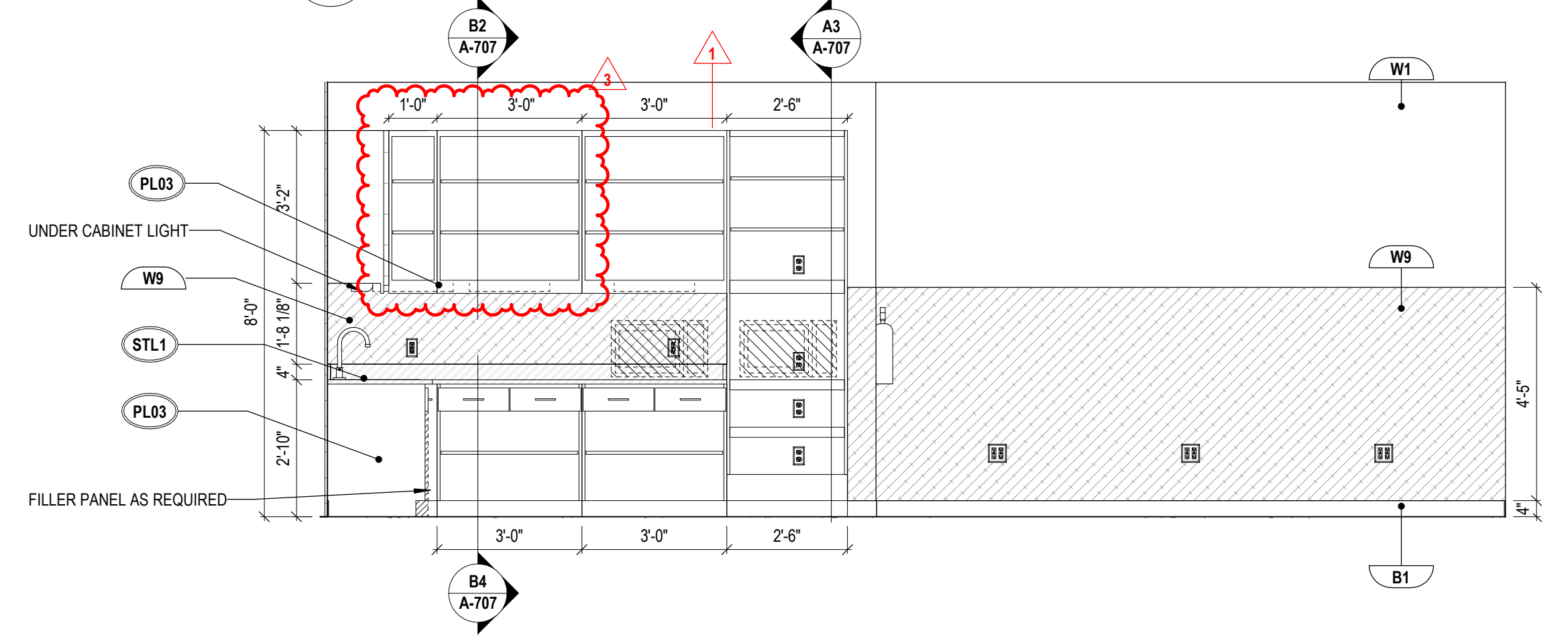
**D5** 123 EXECUTIVE SESSION CONFERENCE SOUTH  
3/8" = 1'-0"



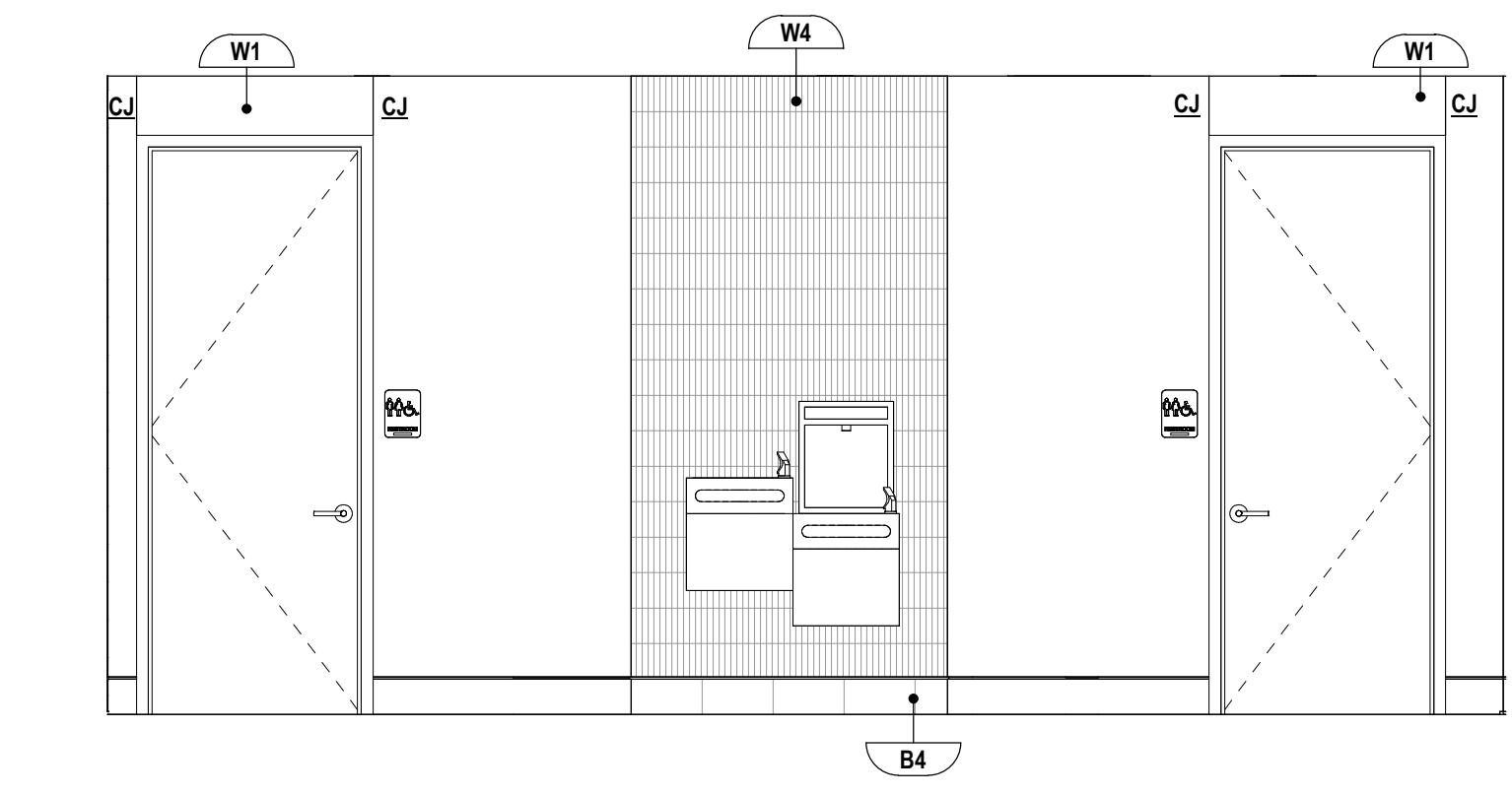
**C1** 168 UTILITY BILLING OFFICE WEST  
3/8" = 1'-0"



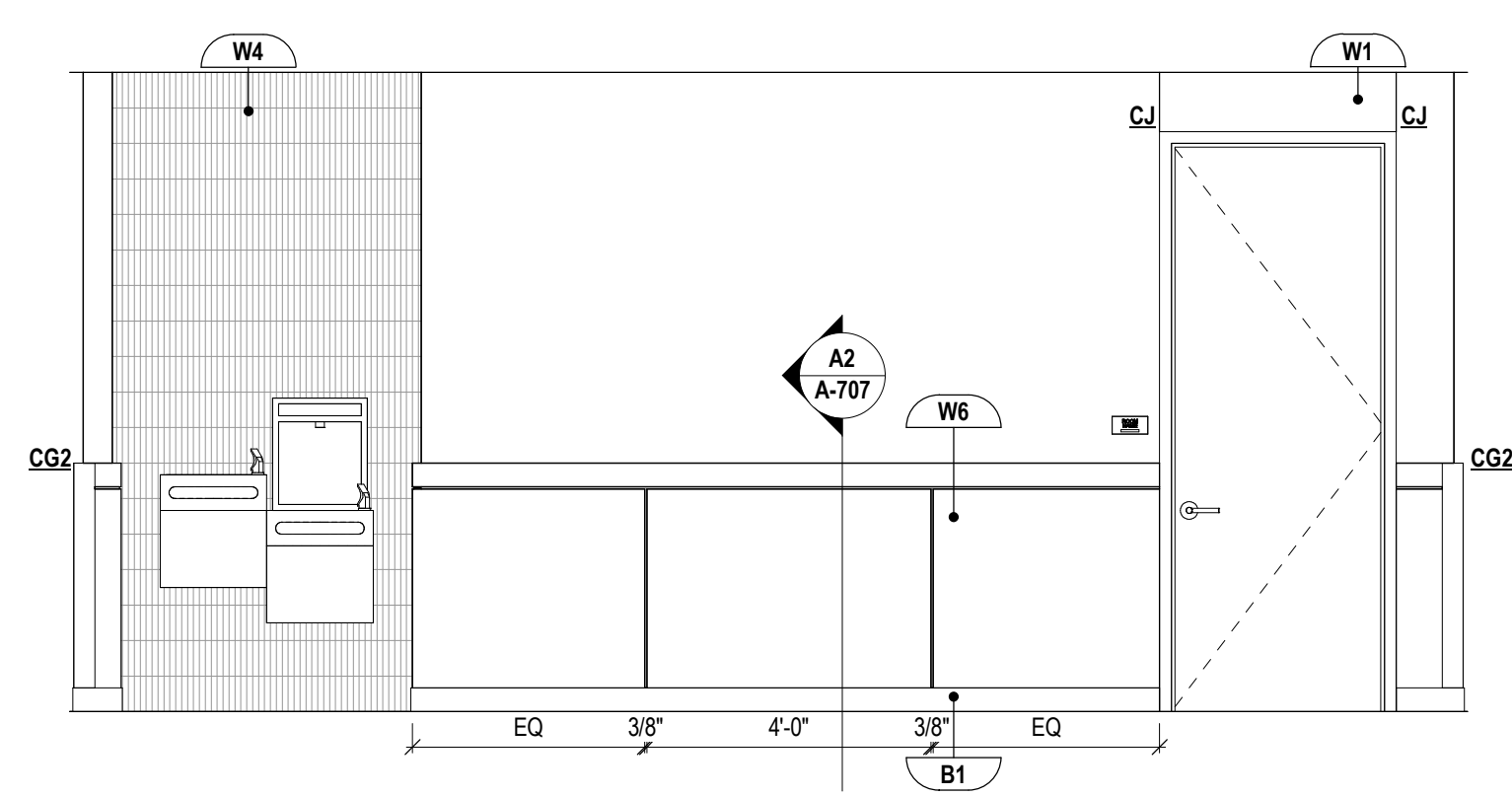
**C3** 158 PERMIT TECH OFFICE WEST  
3/8" = 1'-0"



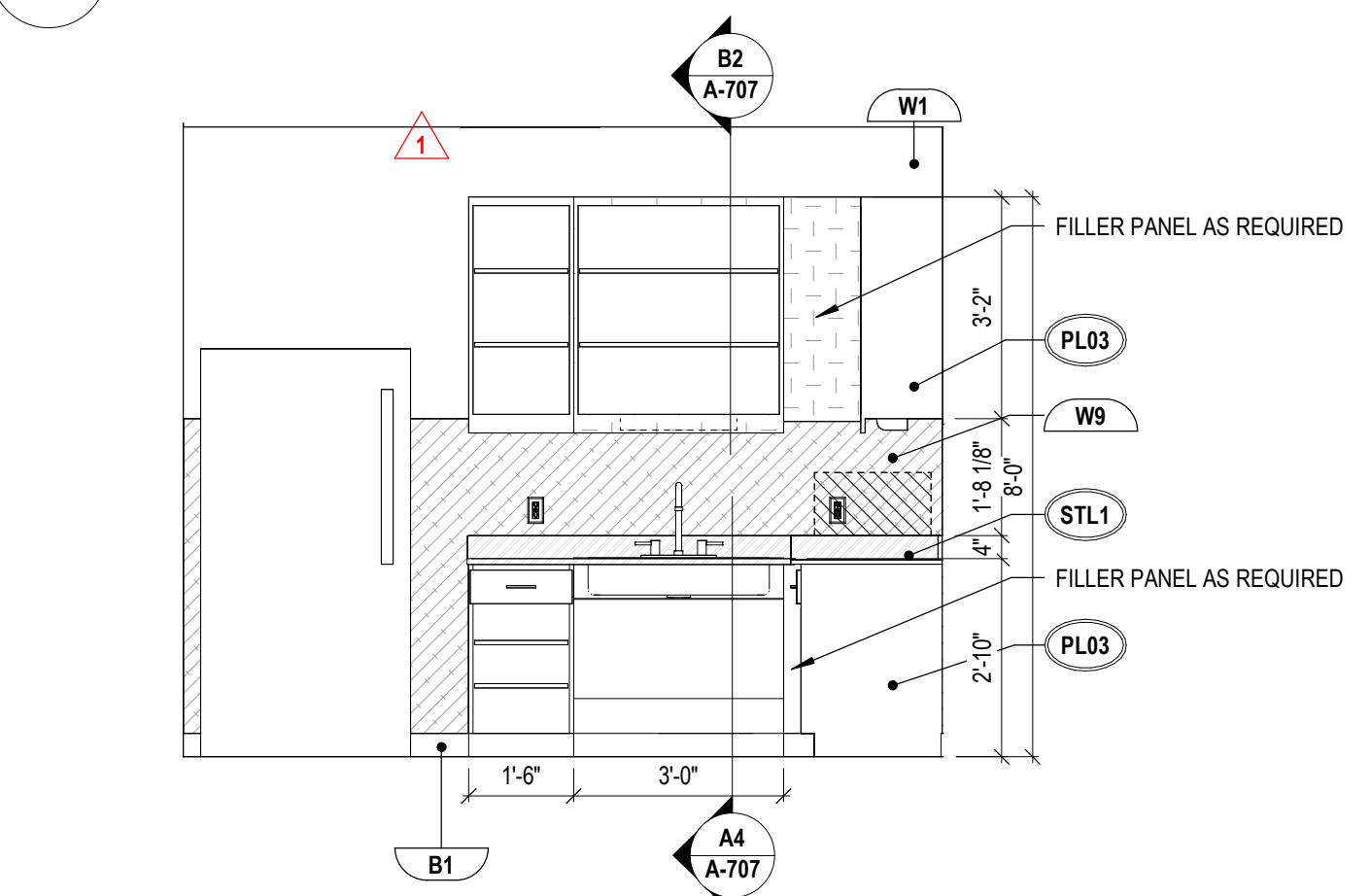
**C5** 132 CATERING KITCHEN WEST  
3/8" = 1'-0"



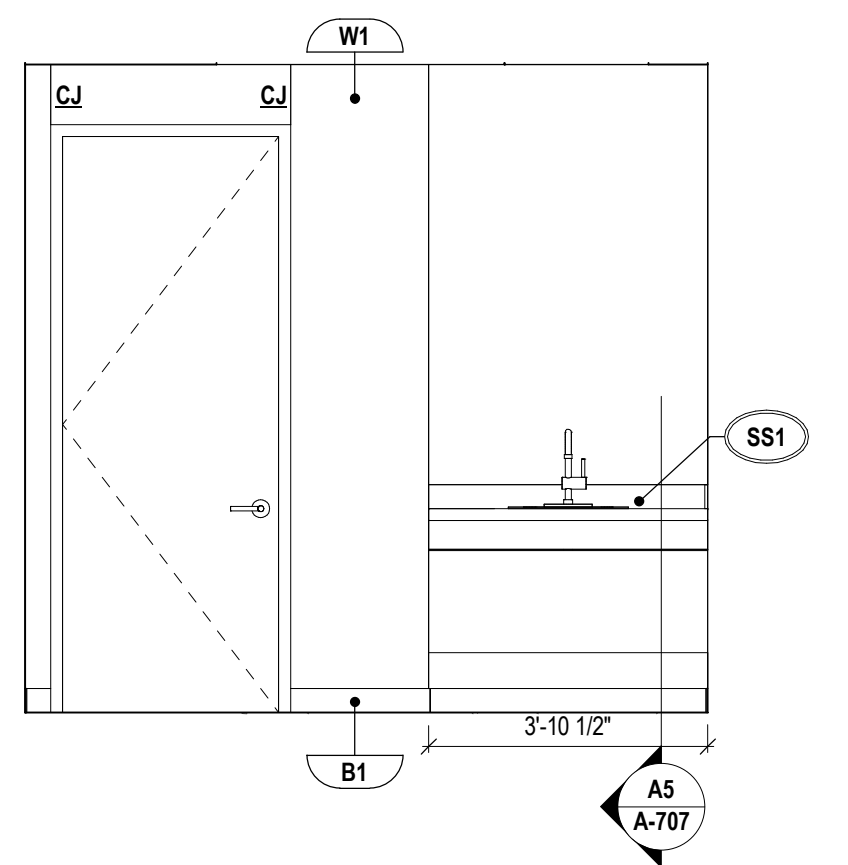
**B1** 160 LOBBY CORRIDOR  
3/8" = 1'-0"



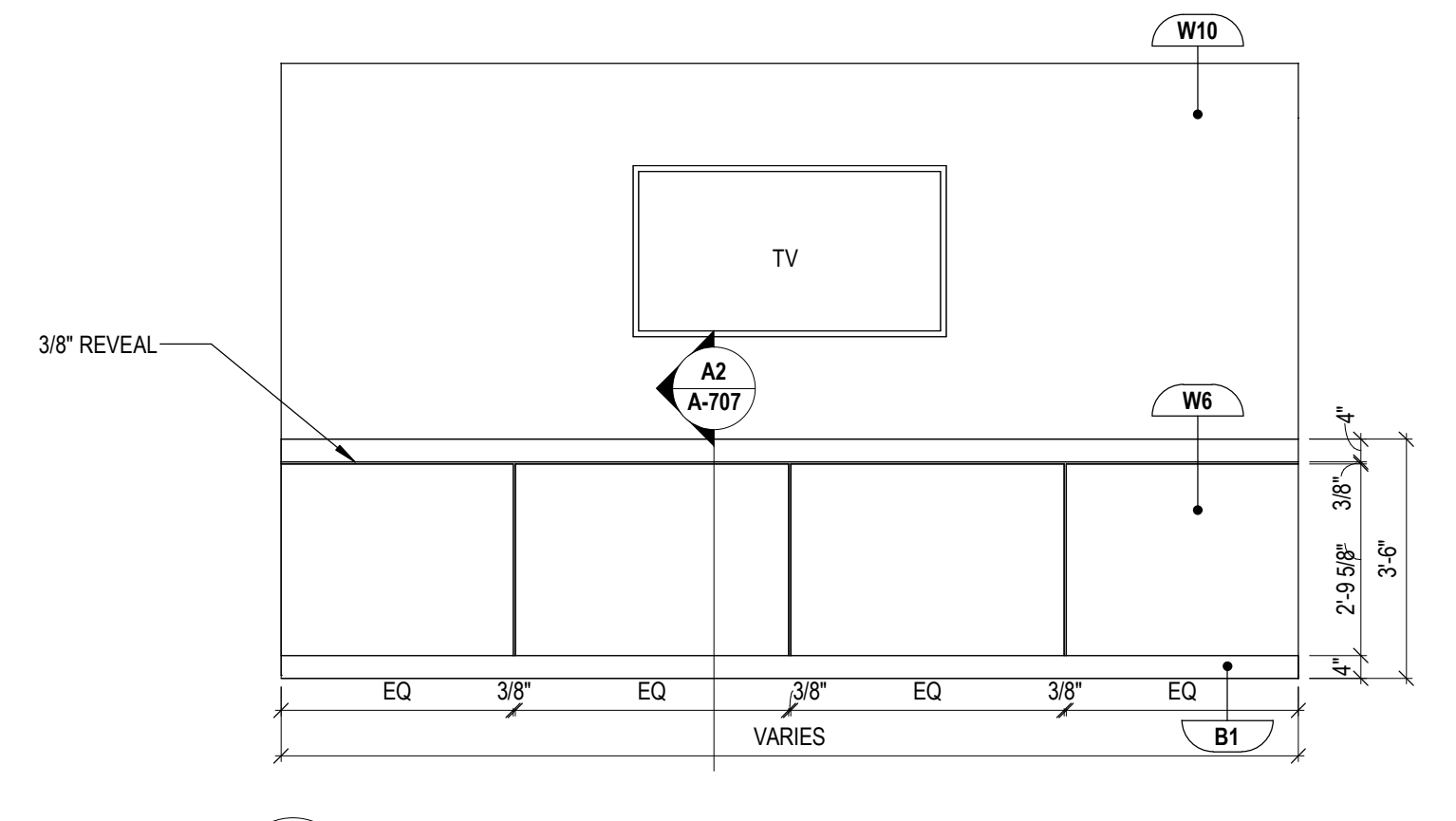
**B3** 131 COMMUNITY/EVENT SPACE CORRIDOR  
3/8" = 1'-0"



**B5** 132 CATERING KITCHEN SOUTH  
3/8" = 1'-0"



**A3** 159 QUIET ROOM NORTH  
3/8" = 1'-0"



**A5** TYPICAL CONFERENCE ROOM ACCENT WALL  
3/8" = 1'-0"



Lexington Cincinnati Cleveland Dallas Charleston

Revisions:	NUMBER	DATE	DESCRIPTION
	3	3/12/2024	ADDENDUM 3
	1	02/22/2024	ADDENDUM 1

Issue Date: FEBRUARY 8, 2024

Hutchins City Hall

400 N. JJ Lemon Rd.  
Hutchins, TX 75141

INTERIOR ELEVATIONS

Project No. **A-703**

23046

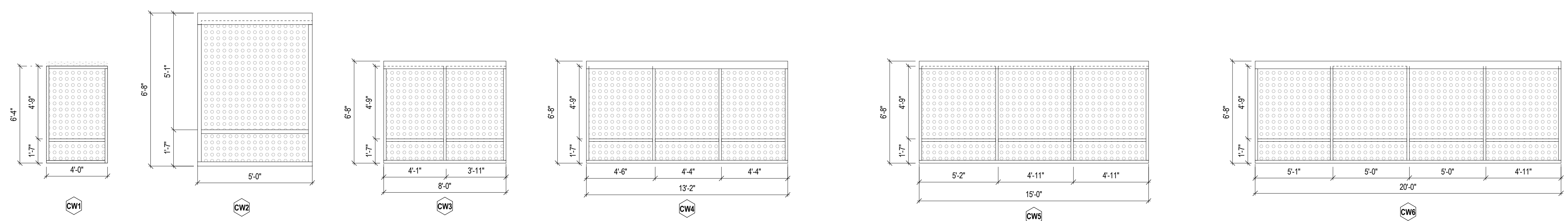
Plotted 3/12/2024 3:34:27 PM

**DOOR SCHEDULE**

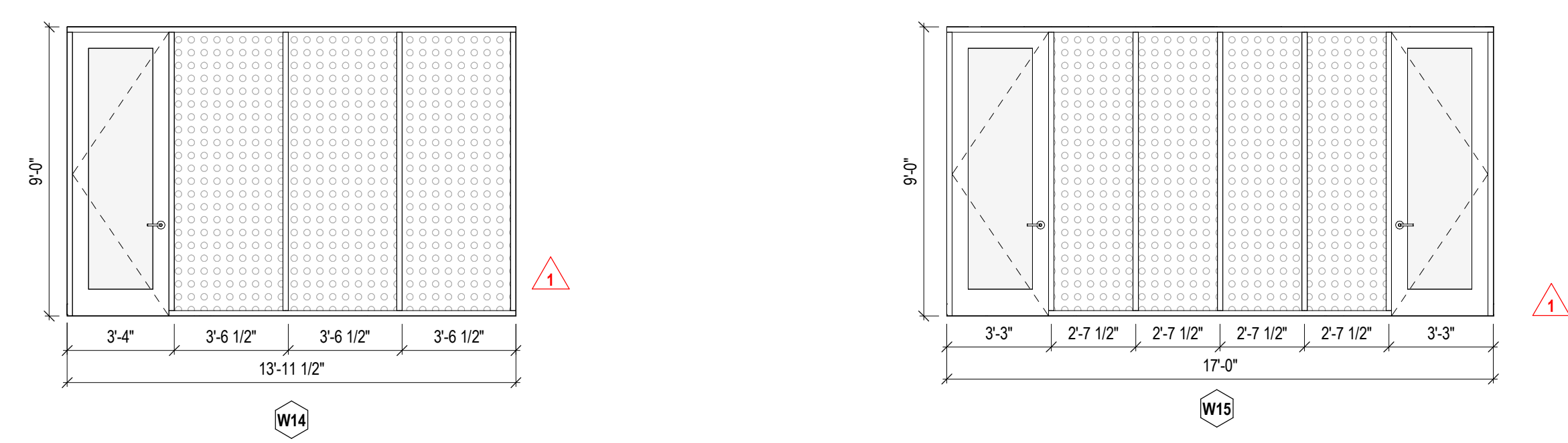
MARK	OPERATION	LOCATION		ELEVATION	MATERIAL	FINISH	DOOR			FRAME			DOOR/FRAME DETAIL			ASSEMBLY (DOOR AND FRAME)		REMARKS		
		FROM	TO				OPENING SIZE		THICKNESS	ELEVATION	MATERIAL	FINISH	PROFILE SIZE		ELECTRIFIED CARD READER	FIRE RATING (HOURS)	INSULATED CALC		GLAZING TYPE	HW SET
							WIDTH	HEIGHT					THROAT	FACE						
100A	SINGLE	LOBBY 100	EXTERIOR	DL	ALUM	BY MFR	6'-0"	9'-0"	1-3/4"	W1	ALUM	BY MFR				●	1" INSULATED TEMPERED	3.0	MATCH KAWNEER DARK BRONZE NO.40.	
100B	SINGLE	LOBBY 100	EXTERIOR	DL	ALUM	BY MFR	6'-0"	9'-0"	1-3/4"	W1	ALUM	BY MFR				●	1" INSULATED TEMPERED	2.0	MATCH KAWNEER DARK BRONZE NO.40.	
100C	SINGLE	LOBBY 100	EXTERIOR	FL	ALUM	BY MFR	6'-0"	9'-0"	1-3/4"	W2	ALUM	BY MFR				●	1" INSULATED TEMPERED	2.0	MATCH KAWNEER DARK BRONZE NO.40.	
101	SINGLE	CORRIDOR 101	EXTERIOR	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		11.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
102	SINGLE	FUTURE WORK STATIONS/ WORK AREA 104	CITY SECRETARY OFFICE 102	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	4-7/8"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
103	SINGLE	FUTURE WORK STATIONS/ WORK AREA 104	MAYOR'S OFFICE 103	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	5-1/2"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
105	SINGLE	CORRIDOR 108	HR ASSISTANT 105	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	4-7/8"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
106A	SINGLE	DIRECTOR OF HR OFFICE 107	STOR 106	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	5-1/2"	2"	2"	●		19.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
106B	SINGLE	HR ASSISTANT 106	STOR 106	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		19.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
107	SINGLE	CORRIDOR 108	DIRECTOR OF HR OFFICE 107	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	5-1/2"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
108	SINGLE	CORRIDOR 108	EXTERIOR	FL	ALUM	BY MFR	3'-0"	8'-0"	1-3/4"	STFT	ALUM	BY MFR				●	1" INSULATED TEMPERED	6.0	MATCH KAWNEER DARK BRONZE NO.40.	
109A	SINGLE	CORRIDOR 108	CONF. RM 109	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	4-3/4"	2"	2"	●		14.0		
109B	SINGLE	CORRIDOR 101	CONF. RM 109	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	4-3/4"	2"	2"	●		14.0		
110A	SINGLE	CORRIDOR 108	CORRIDOR 110	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	5-1/2"	2"	2"	●		21.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
110B	SINGLE	CORRIDOR 110	CORRIDOR 101	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		22.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
111	SINGLE	CORRIDOR 110	CITY ADMIN OFFICE 111	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	5-1/2"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
112	SINGLE	CORRIDOR 110	ASSISTANT TO CITY ADMIN OFFICE 112	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	4-7/8"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
113	SINGLE	BREAK ROOM 113	EXTERIOR	FL	ALUM	BY MFR	3'-0"	8'-0"	1-3/4"	STFT	ALUM	BY MFR				●	1" INSULATED TEMPERED	6.0	MATCH KAWNEER DARK BRONZE NO.40.	
114A	SINGLE	CORRIDOR 117	STORAGE 114	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	7-1/4"	2"	2"	●		19.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
114B	SINGLE	CORRIDOR 117	STORAGE 114	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		19.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
115A	SINGLE	CORRIDOR 101	CLERK TRANSACTION COUNTER/ WORK 115	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	4-7/8"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
115B	SINGLE	CORRIDOR 117	CLERK TRANSACTION COUNTER/ WORK 115	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	4-7/8"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
116	SINGLE	CLERK TRANSACTION COUNTER/ WORK 115	COURT ADMIN. OFFICE 116	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	4-7/8"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
117	SINGLE	CORRIDOR 117	LOBBY 100	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		23.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
118	SINGLE	CORRIDOR 117	M. RR 118	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	6"	2"	2"	●		23.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
119	SINGLE	CORRIDOR 117	W. RR 119	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	6"	2"	2"	●		23.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
120	SINGLE	ELEC. MAIN 120	BREAK ROOM 113	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●	3/4"	16.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
121A	SINGLE	BREAK ROOM 113	AVIT SECONDARY 121	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		19.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
122	SINGLE	CORRIDOR 122	EXTERIOR	FL	ALUM	BY MFR	3'-0"	8'-0"	1-3/4"	STFT	ALUM	BY MFR				●	1" INSULATED TEMPERED	4.0	MATCH KAWNEER DARK BRONZE NO.40.	
123A	SINGLE	WORK ROOM 122	EXEC. SESSION CONF. 123	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	5-1/2"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
123B	SINGLE	WORK ROOM 122	EXEC. SESSION CONF. 123	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	5-1/2"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
123C	SINGLE	EXEC. SESSION CONF. 123	CORRIDOR 124A	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		10.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
124A	SINGLE	COUNCIL CHAMBER/ COURT RM. 124	LOBBY 100	FF	WOOD	TBD	6'-0"	8'-0"	1-3/4"	HM1	HM	Paint	7-7/8"	2"	2"	●		9.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
124C	SINGLE	CORRIDOR 124A	JUDGES OF COUNCIL WS 125	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	5-1/2"	2"	2"	●		12.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
124D	SINGLE	COUNCIL CHAMBER/ COURT RM. 124	EXTERIOR	FF	HM	Paint	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	7-1/4"	2"	2"	●	B4-AA-801	7.0	PAINT TO MATCH PPG 1024-2 ANTIQUE WHITE.	
125	SINGLE	JUDGES OF COUNCIL WS 125	EXTERIOR	HL	ALUM	BY MFR	3'-0"	8'-0"	1-3/4"	STFT	ALUM	BY MFR				●	1" INSULATED TEMPERED	5.0	MATCH KAWNEER DARK BRONZE NO.40.	
126	SINGLE	ENTRY VESTIBULE 128	DEPT DIRECTOR OFFICE 126	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	5-1/2"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
127	SINGLE	ENTRY VESTIBULE 128	STOR 127	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		19.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
128	SINGLE	ENTRY VESTIBULE 128	EXTERIOR	FL	ALUM	BY MFR	6'-0"	9'-0"	1-3/4"	W5	ALUM	BY MFR				●	1" INSULATED TEMPERED	1.0	MATCH KAWNEER DARK BRONZE NO.40.	
128B	CASED OPENING	ENTRY VESTIBULE 128	COMMUNITY EVENT SPACE 129	-	-	-	12'-0"	9'-0"	-	CO	HM	Paint	9-1/4"	2"	2"	●		-	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
129A	SINGLE	COMMUNITY EVENT SPACE 129	EXTERIOR	FL	ALUM	BY MFR	6'-0"	9'-0"	1-3/4"	W6	ALUM	BY MFR				●	1" INSULATED TEMPERED	1.0	MATCH KAWNEER DARK BRONZE NO.40.	
129B	SINGLE	COMMUNITY EVENT SPACE 129	EXTERIOR	FF	HM	Paint	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-3/4"	2"	2"	●		6.0	DOOR AND FRAME PAINTED TO MATCH COLOR OF METAL PANEL.	
129C	SINGLE	COMMUNITY EVENT SPACE 129	EXTERIOR	FF	HM	Paint	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-3/4"	2"	2"	●		6.0	DOOR AND FRAME PAINTED TO MATCH COLOR OF METAL PANEL.	
129D	DOUBLE	COMMUNITY EVENT SPACE 129	COMMUNITY EVENT SPACE 129	-	-	-	16'-2"	2"	-	-	-	-	-	-	-	-	-	-	REFER TO MFR STANDARD INSTALLATION INSTRUCTIONS.	
130	SINGLE	CORRIDOR 131	STORAGE 130	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	7-1/4"	2"	2"	●		19.5	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
131A	SINGLE	CORRIDOR 131	COMMUNITY EVENT SPACE 129	VP	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●	1/4" CLEAR TEMPERED	22.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
131B	SINGLE	CORRIDOR 131	COMMUNITY EVENT SPACE 129	VP	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●	1/4" CLEAR TEMPERED	22.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
132	SINGLE	CORRIDOR 131	CATERING KITCHEN 132	FF	WOOD	TBD	6'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		17.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
133	SINGLE	CORRIDOR 131	M. RR 133	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	6"	2"	2"	●		23.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
134	SINGLE	CORRIDOR 131	W. RR 134	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	6"	2"	2"	●		23.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
135	SINGLE	CORRIDOR 131	MULTIPURPOSE STORAGE 135	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		19.5	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
136	SINGLE	CORRIDOR 131	RR 136	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	6"	2"	2"	●		20.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
137	SINGLE	CORRIDOR 131	JAN. STOR 137	FF	HM	Paint	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		19.5	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
138	SINGLE	LOBBY 100	M. PUBLIC RR 138	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	6"	2"	2"	●		23.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
139	SINGLE	CORRIDOR 140	W. PUBLIC RR 139	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	6"	2"	2"	●		23.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
141	SINGLE	CORRIDOR 140	RR 141	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	6"	2"	2"	●		20.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
142	SINGLE	CORRIDOR 140	RR 142	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	6"	2"	2"	●		20.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
143	SINGLE	CORRIDOR 140	JAN. STOR 143	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		19.5	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
144	SINGLE	IT/COM 144	CORRIDOR 140	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM1	HM	Paint	4-7/8"	2"	2"	●		16.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
145	SINGLE	PLAN REVIEW AREA 150	BUILDING INSPECTOR 145	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	4-7/8"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
146	SINGLE	WORK AREA/ FUTURE WORK STATIONS 147	BUILDING INSPECTOR 146	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM	Paint	4-7/8"	2"	2"	●		14.0	PAINT FRAME TO MATCH KAWNEER DARK BRONZE NO.40.	
147	SINGLE	WORK AREA/ FUTURE WORK STATIONS 147	EXTERIOR	FL	ALUM	BY MFR	3'-0"	8'-0"	1-3/4"	STFT	ALUM	BY MFR				●	1" INSULATED TEMPERED	6.0	MATCH KAWNEER DARK BRONZE NO.40.	
148	SINGLE	WORK AREA/ FUTURE WORK STATIONS 147	PUBLIC WORKS DIRECTOR 148	FF	WOOD	TBD	3'-0"	8'-0"	1-3/4"	HM2	HM									



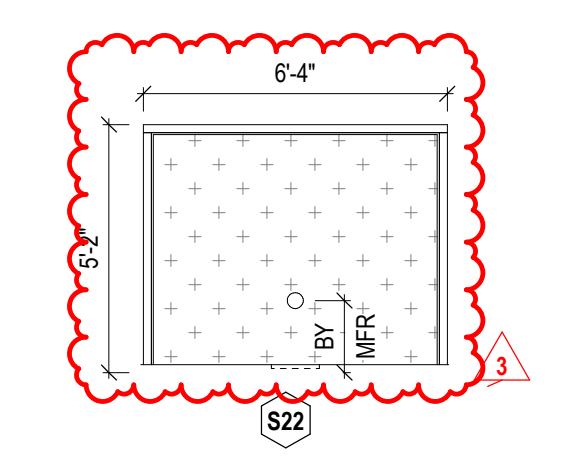
STOREFRONT PANEL LEGEND	
	IG-1 - 1" DOUBLE PANE, CLEAR
	IG-2 - 1" DOUBLE PANE, SPANDREL
	IG-3 - 1" INSULATED ETCHED LAMINATED GLAZING
	IG-4 - 1" DOUBLE PANE, CLEAR, LAMINATED VCV 2245
	BG-1 - BALLISTIC GLASS
	BRAKE METAL, BRONZE FINISH



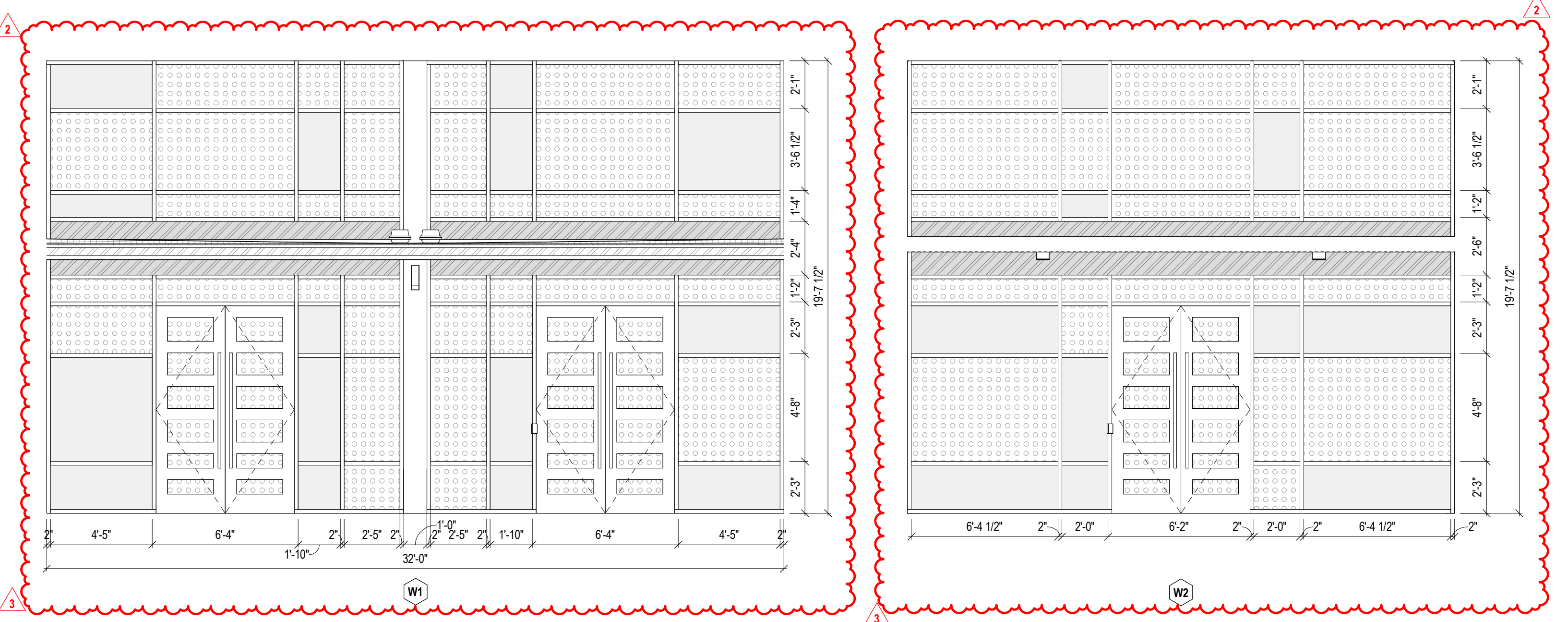
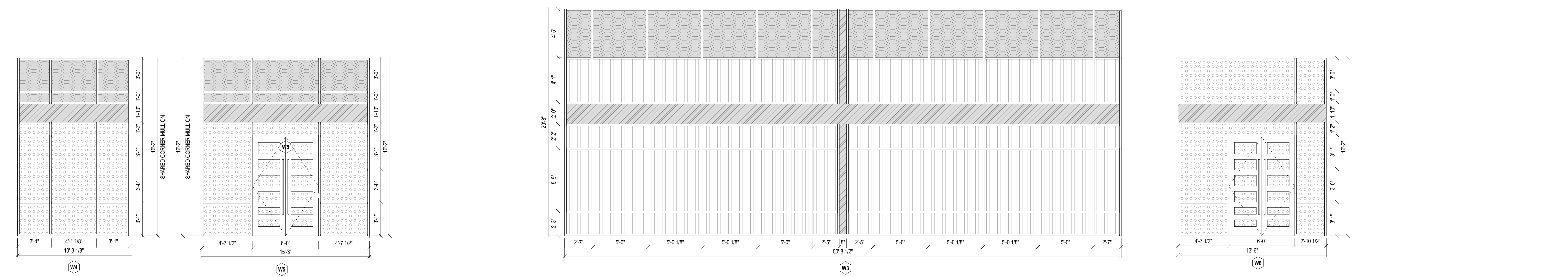
**E1 CURTAIN WALL ELEVATIONS**  
1/4" = 1'-0"



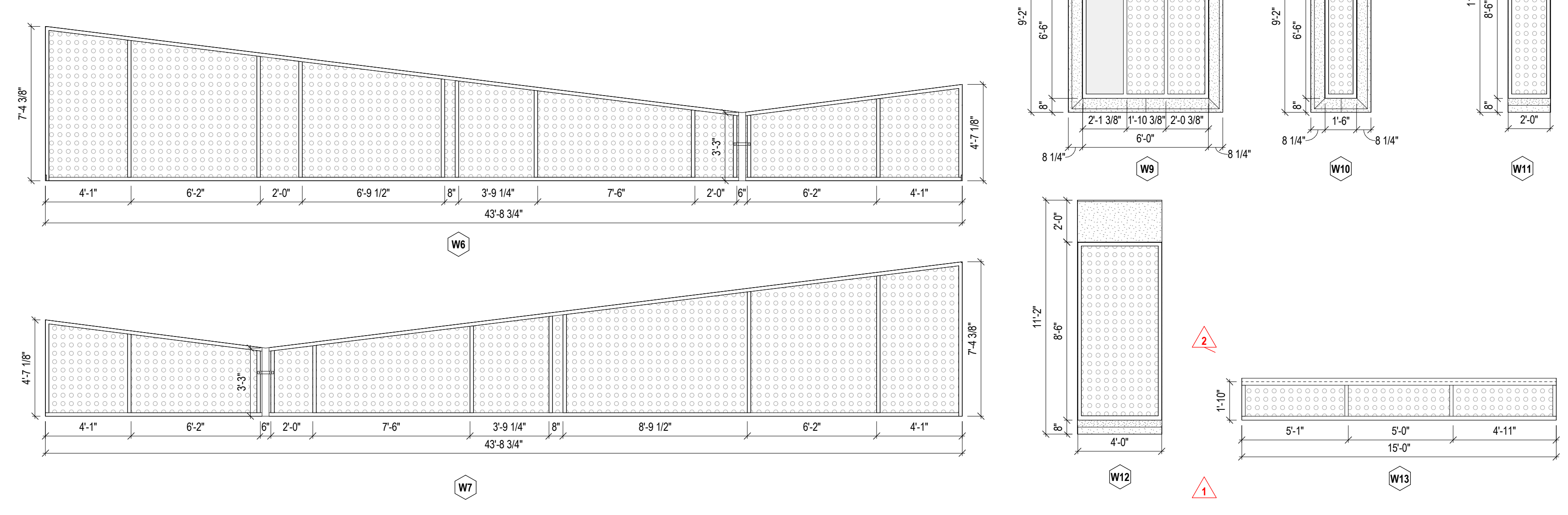
**D1 INTERIOR STOREFRONT ELEVATIONS**  
1/4" = 1'-0"



**D4 BALLISTIC TRANSACTION WINDOW**  
1/4" = 1'-0"



**A1 EXTERIOR STOREFRONT ELEVATIONS**  
1/4" = 1'-0"



Revisions:	NUMBER	DATE	DESCRIPTION
	3	3/12/2024	ADDENDUM 3
	2	03/04/2024	ADDENDUM 2
	1	02/22/2024	ADDENDUM 1

Issue Date: FEBRUARY 8, 2024

# Hutchins City Hall

400 N. JJ Lemon Rd.  
Hutchins, TX 75141

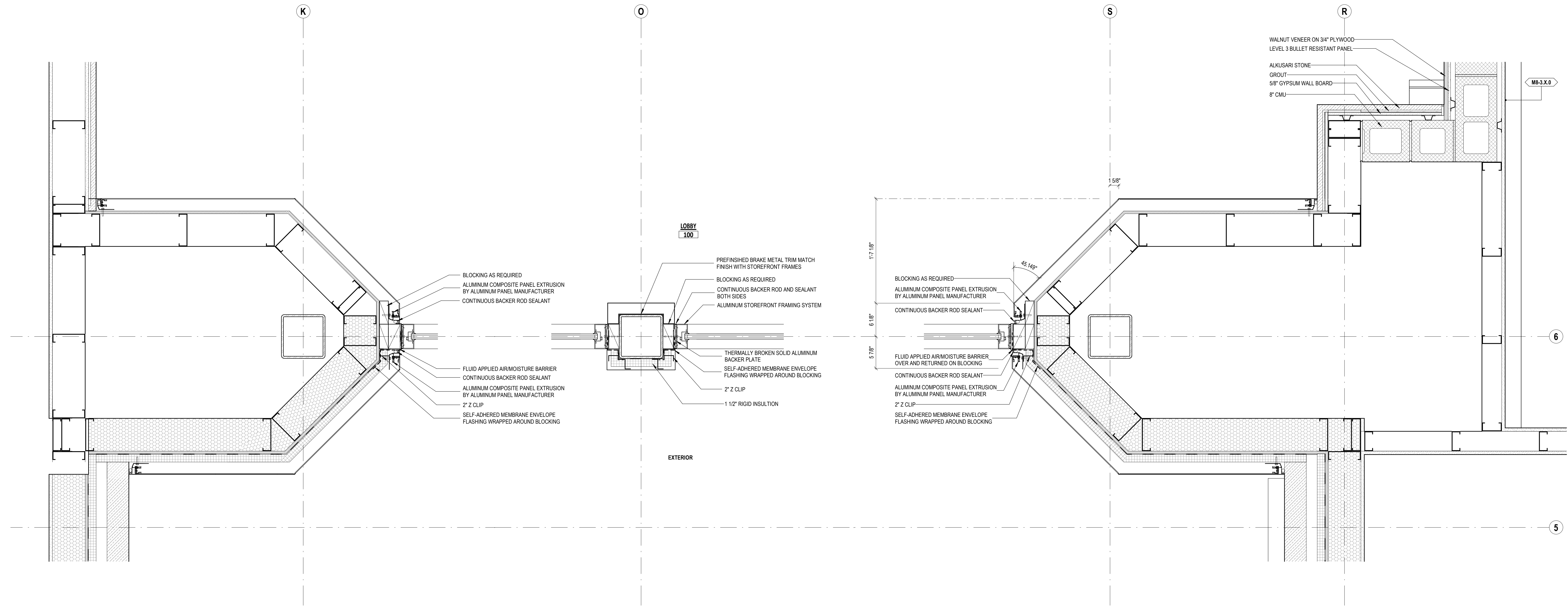
## FRAME ELEVATIONS

Project No.

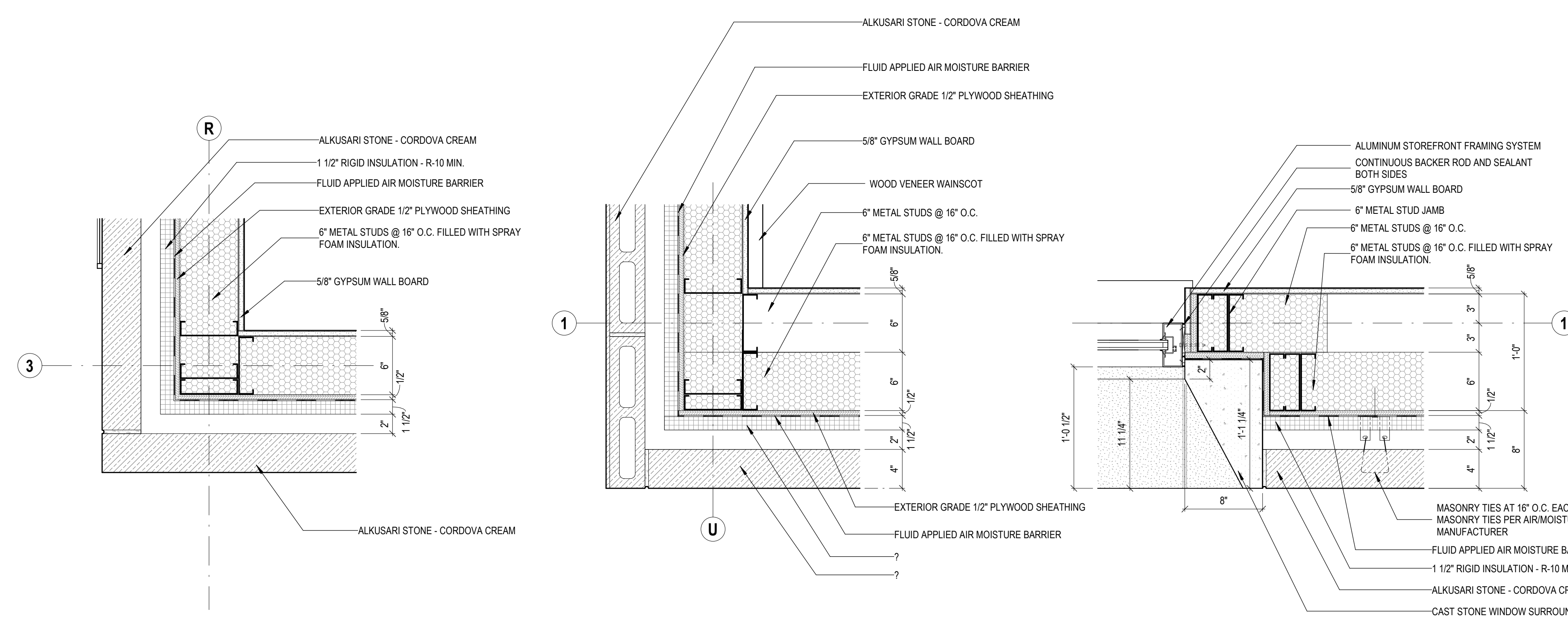
23046

# A-802

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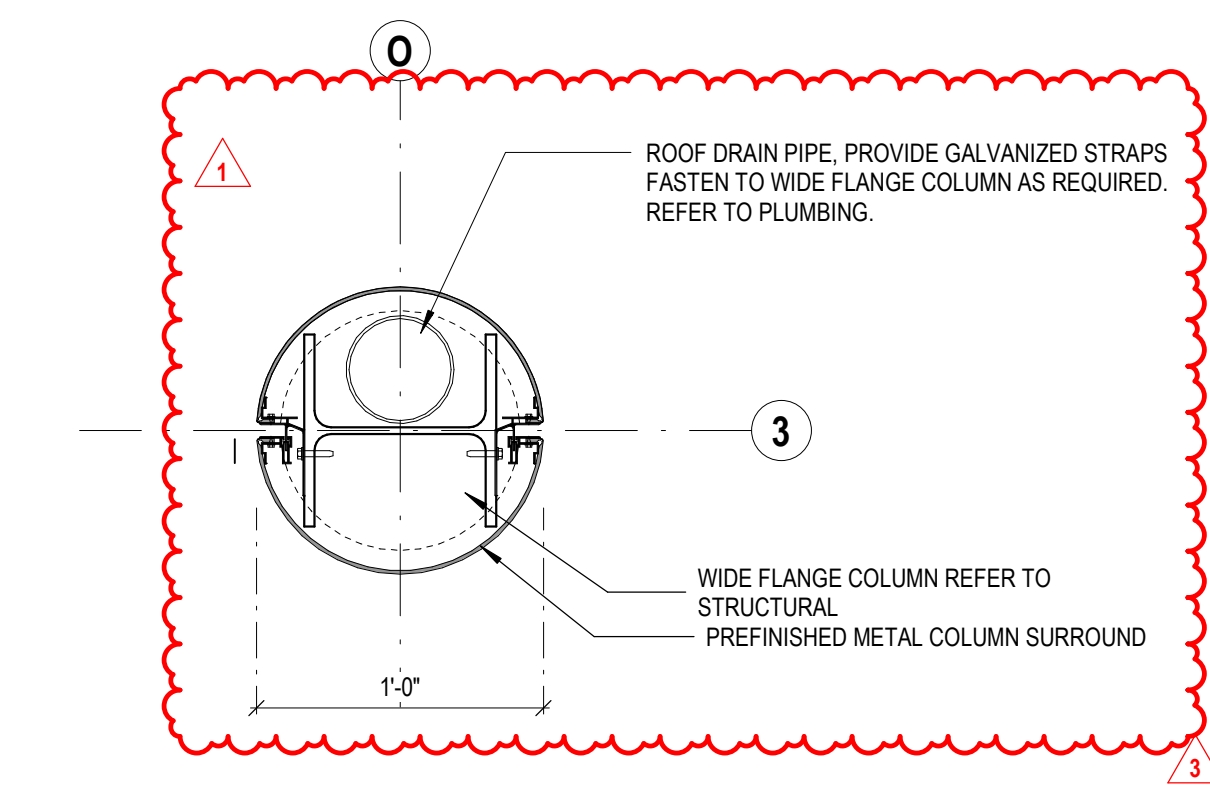
**B1 PLAN DETAIL**  
1 1/2" = 1'-0"



**A1 PLAN DETAIL**  
1 1/2" = 1'-0"

**A2 PLAN DETAIL**  
1 1/2" = 1'-0"

**A3 PLAN DETAIL**  
1 1/2" = 1'-0"



**A4 PLAN DETAIL**  
1 1/2" = 1'-0"

Revisions:	NUMBER	DATE	DESCRIPTION
	3	3/12/2024	ADDENDUM 3
	1	02/22/2024	ADDENDUM 1

Issue Date: FEBRUARY 8, 2024

### Hutchins City Hall

400 N. JJ Lemon Rd.  
Hutchins, TX 75141

### PLAN DETAILS

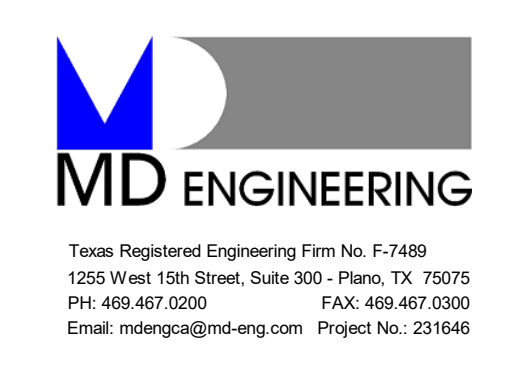
Project No.

**A-810**

23046



Plotted 3/12/2024 11:21:52 AM

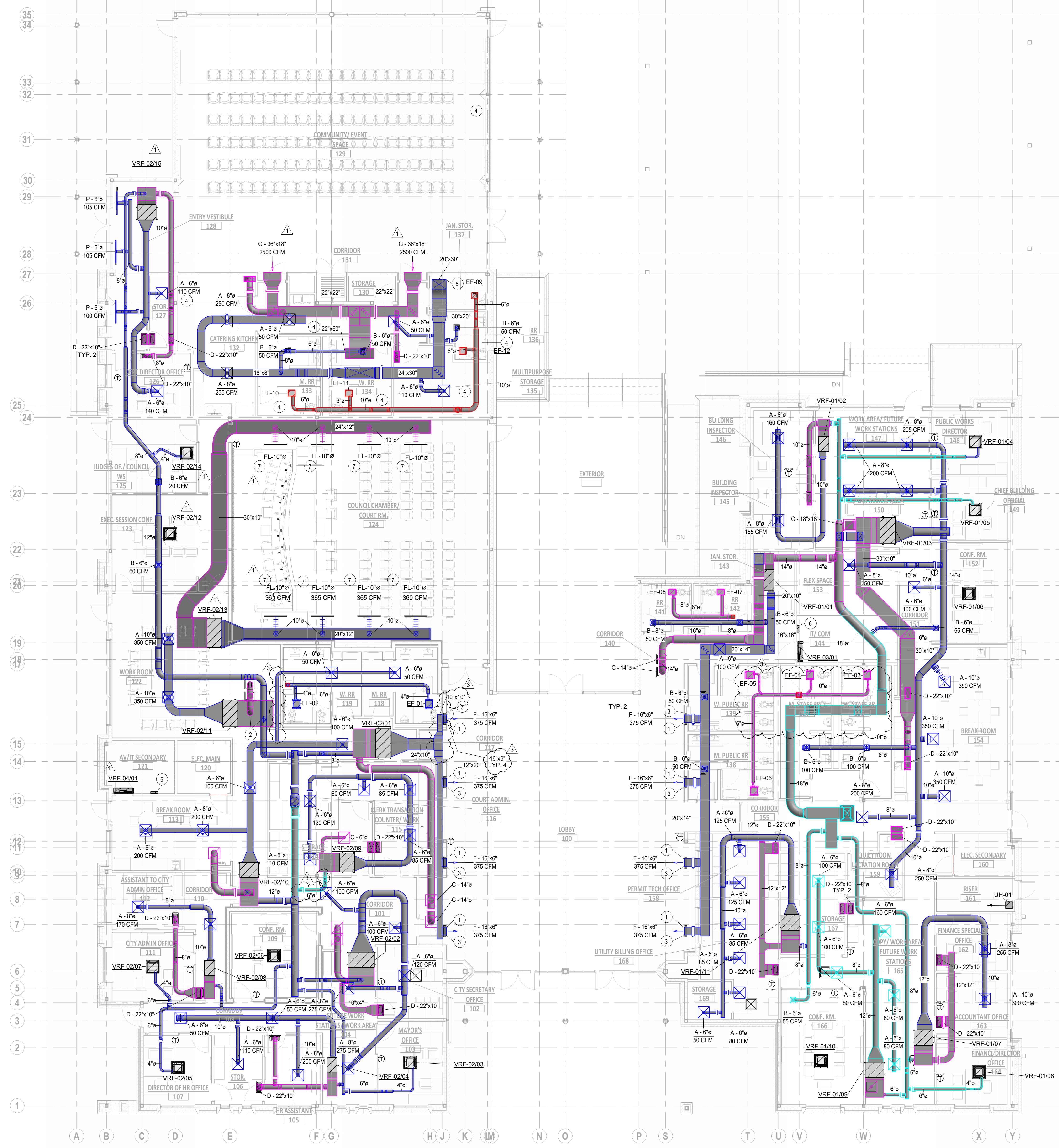


### GENERAL NOTES:

- COORDINATE WITH ALL TRADES BEFORE INSTALLING ANY EQUIPMENT, CONDENSATE DRAINS, REFRIGERANT LINES, OR DUCTWORK.
- UNLESS OTHERWISE NOTED, ALL AIR DEVICES SHALL BE DESIG. "A".
- ALL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA FOR APPROPRIATE PRESSURE.
- ALL SHEET METAL DUCTWORK PENETRATING FIRE RATED WALLS SHALL BE MINIMUM OF 26 GAUGE. ALL OTHER DUCT SHALL BE CONSTRUCTED AS SPECIFIED IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
- UNIT SMOKE DETECTORS SHALL BE INSTALLED TO COMPLY WITH APPLICABLE CODES AND NFPA.
- INSTALL CONDENSING UNITS AND SIZE REFRIGERANT LINES PER MANUFACTURER'S GUIDELINES AND REQUIREMENTS.
- PROVIDE MANUFACTURER RECOMMENDED CLEARANCE FOR SERVICE OF OUTDOOR UNITS.
- ALL RUNOUTS TO AIR DEVICES SHALL INCLUDE BALANCING DAMPERS IN ALL SUPPLY AIR, RETURN AIR, AND EXHAUST AIR TAPS AND BRANCH DUCTWORK UNLESS OTHERWISE NOTED. PROVIDE REMOTE BALANCING DAMPERS FOR ALL TAPS MADE ABOVE INACCESSIBLE CEILING.

### NOTE BY SYMBOL "O"

- PROVIDE A OPPOSED BLADE DAMPER (OBD) TO ALL SIDE WALL GRILLES.
- PROVIDE A MOTORIZED VOLUME DAMPER (MVD) ON OUTSIDE AIR (OA) AND RETURN AIR (RA) DUCT.
- TOP OF "F" DIFFUSER TO BE INSTALLED IN LOBBY AT 10'-6" AFF.
- PROVIDE A SMOKE DETECTOR.
- SUPPLY DUCT UP TO CEILING SHOWN ON SHEET M-202.
- PROVIDE VRF CENTRAL CONTROLLER WITH TOUCH SCREEN MANAGER. LOCATE IN IT/COM 144 & AV/IT SECONDARY 121.
- TITUS FL-10 SA/RA SLOT DIFFUSER W/ BORDER 22 HIGH THROW AIR PATTERN.



**1 FIRST FLOOR PLAN - DUCTWORK**  
1/8" = 1'-0"

Revisions:	NUMBER	DATE	DESCRIPTION
	3	03/12/2024	ADDENDUM 3
	1	02/22/2024	ADDENDUM 1

Issue Date: FEBRUARY 8, 2024

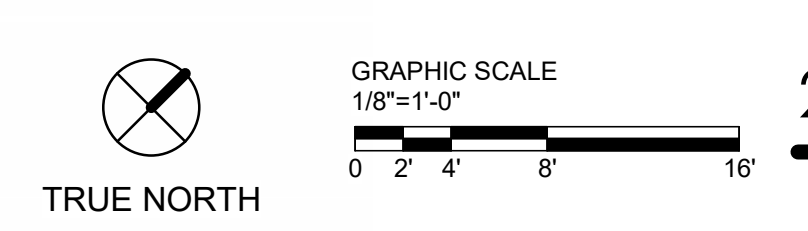
## Hutchins City Hall

400 N. JJ Lemon Rd.  
Hutchins, TX 75141

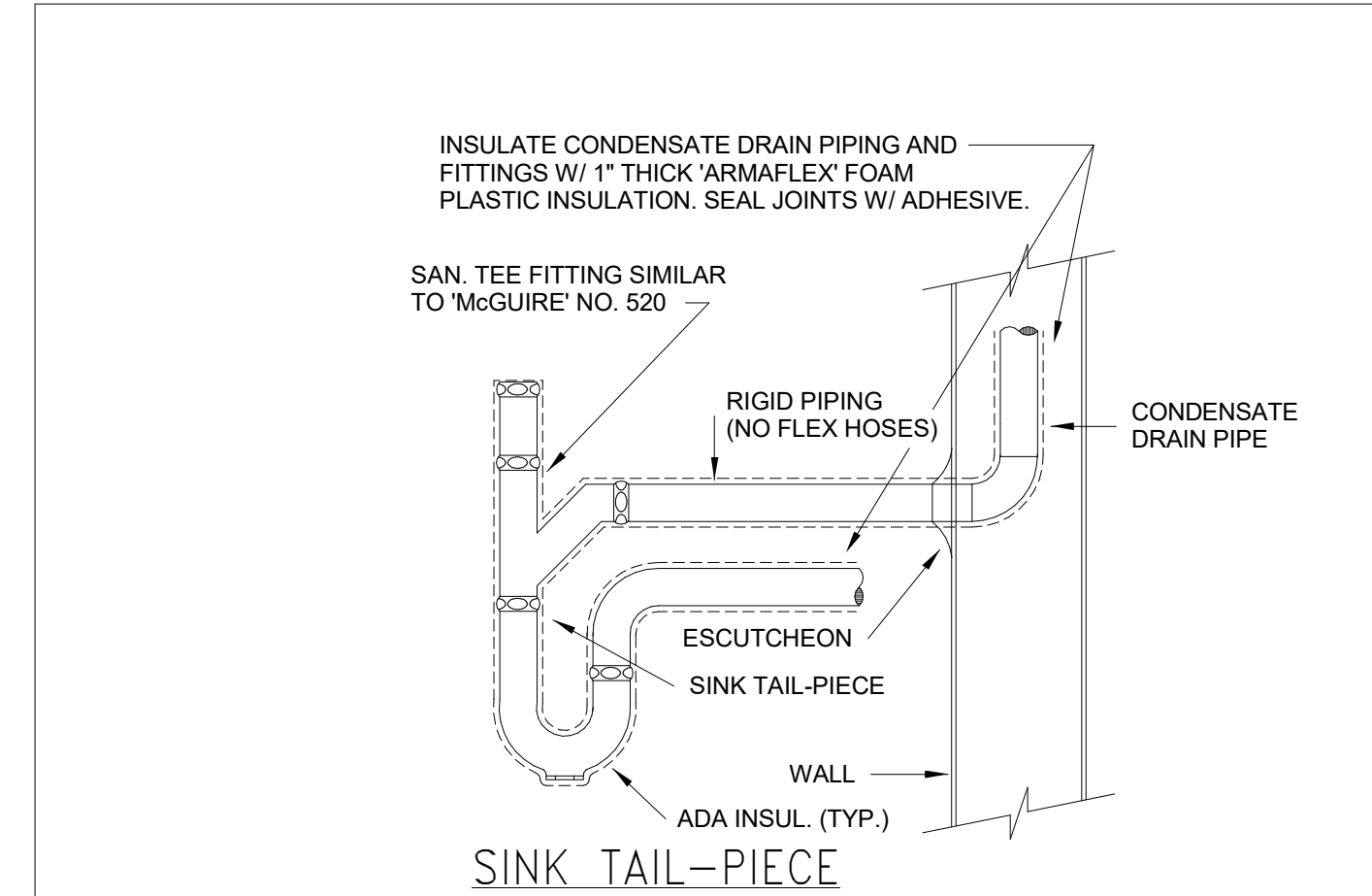
### FIRST FLOOR PLAN - DUCTWORK

Project No.

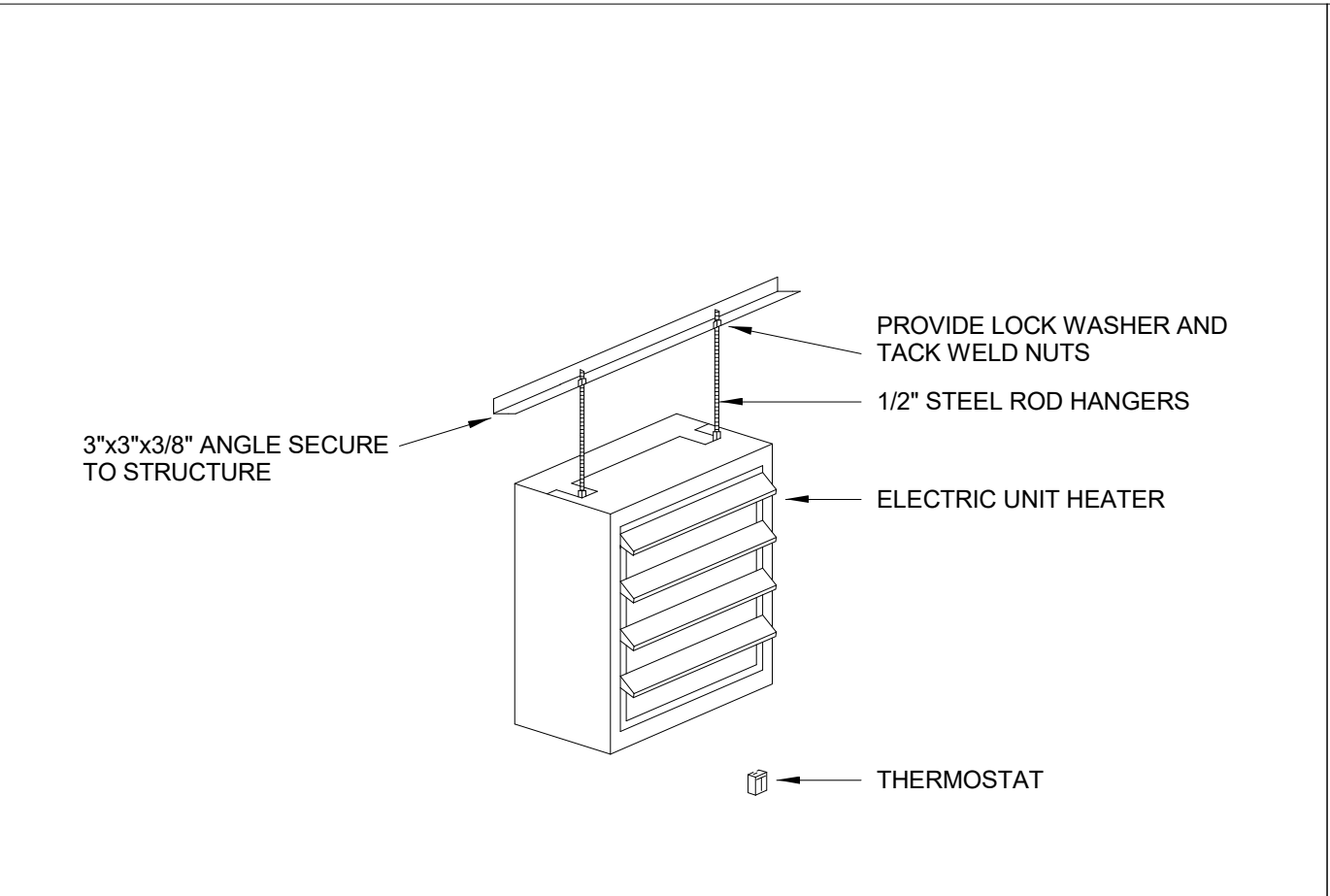
23046	<b>M-201</b>
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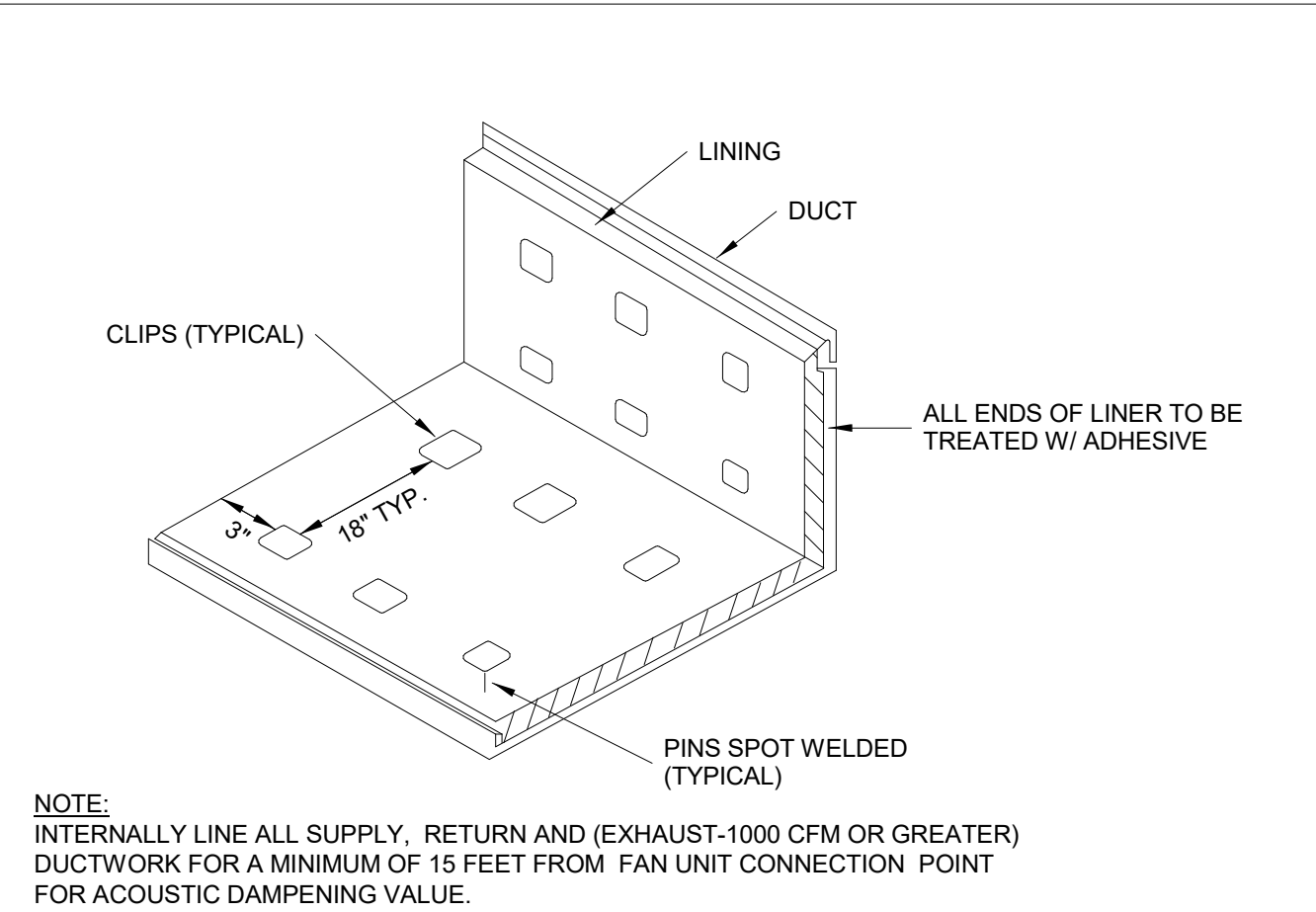
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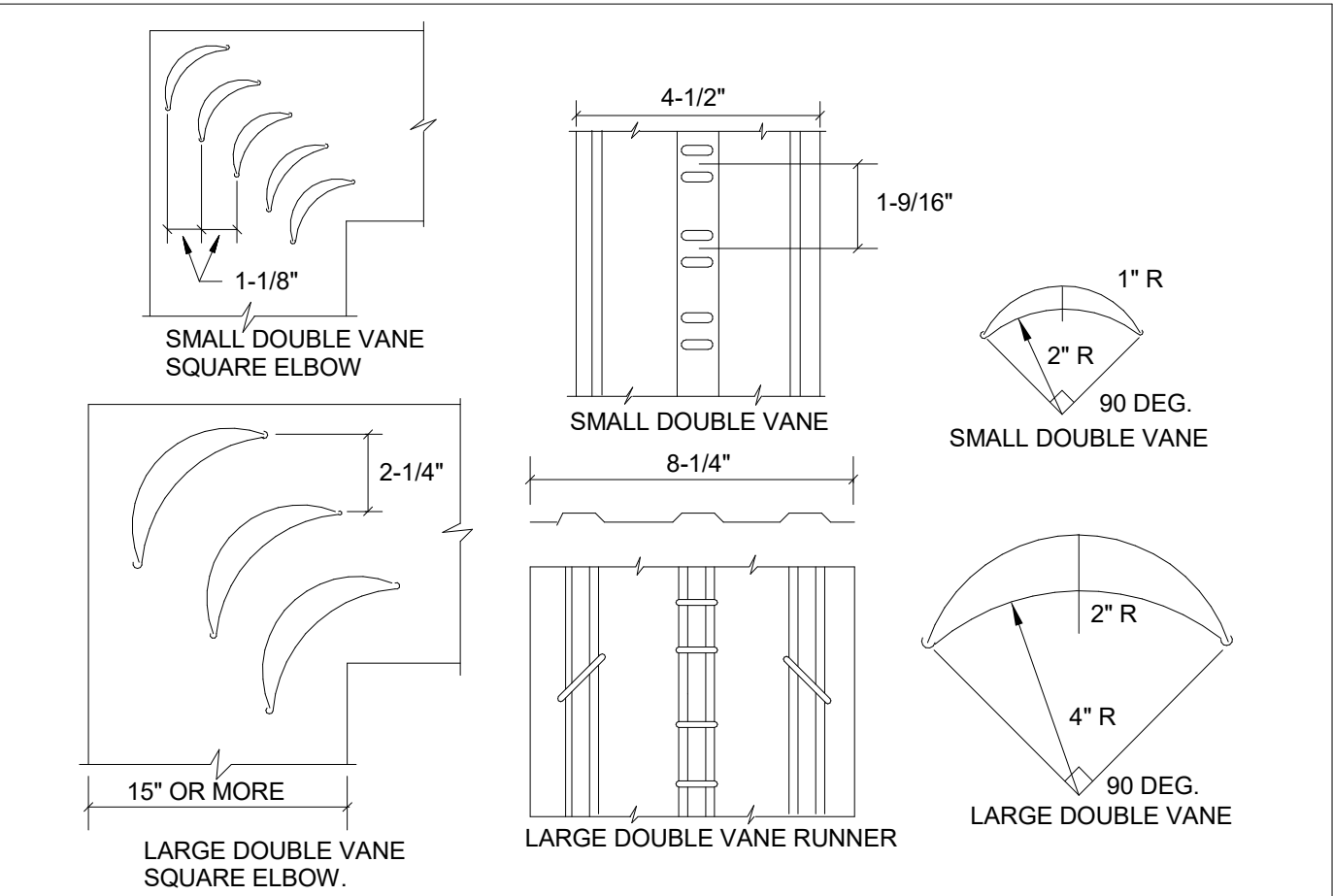
15 CONDENSATE PIPE TERMINATION SCALE: NTS



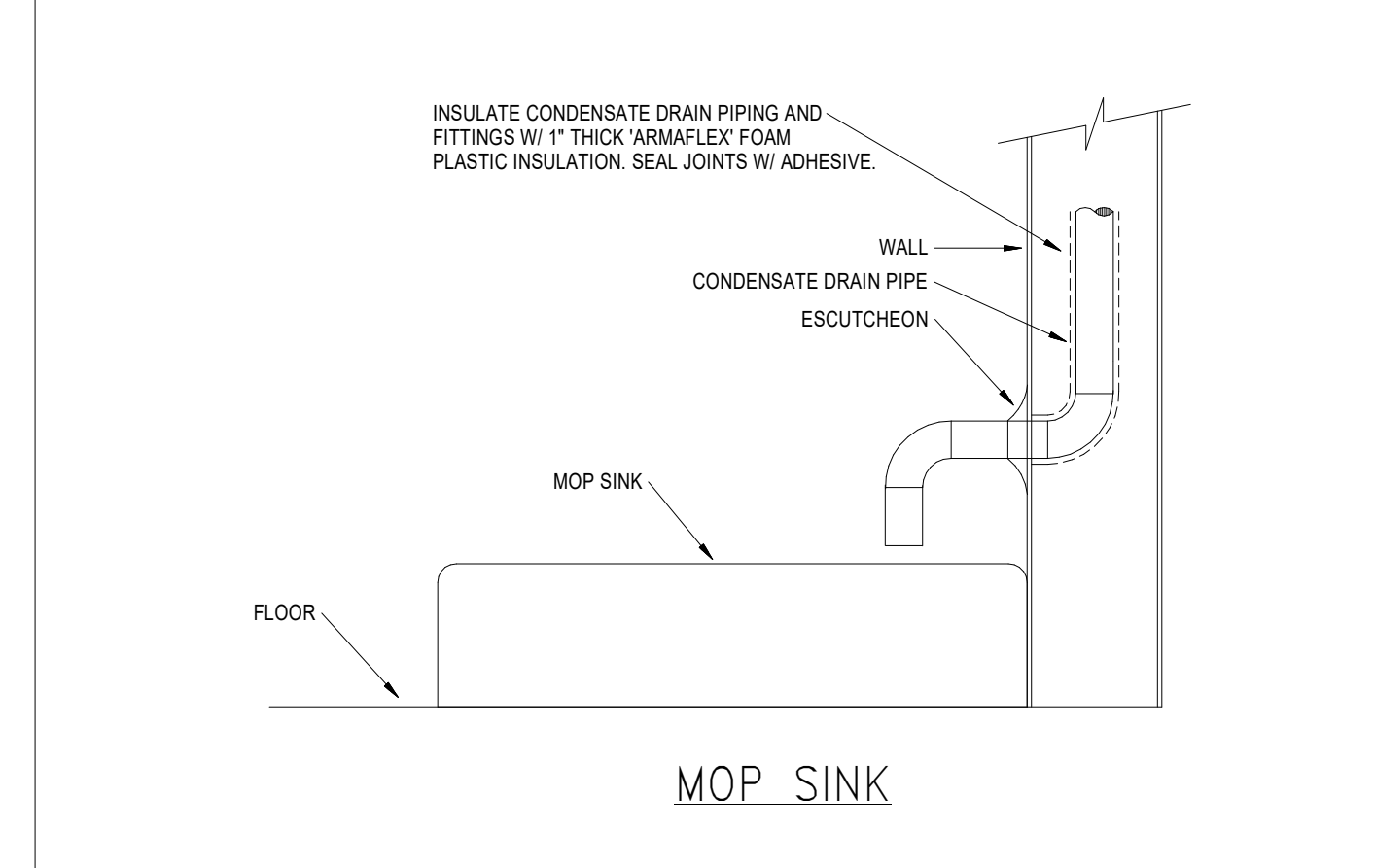
10 UNIT HEATER SCALE: NTS



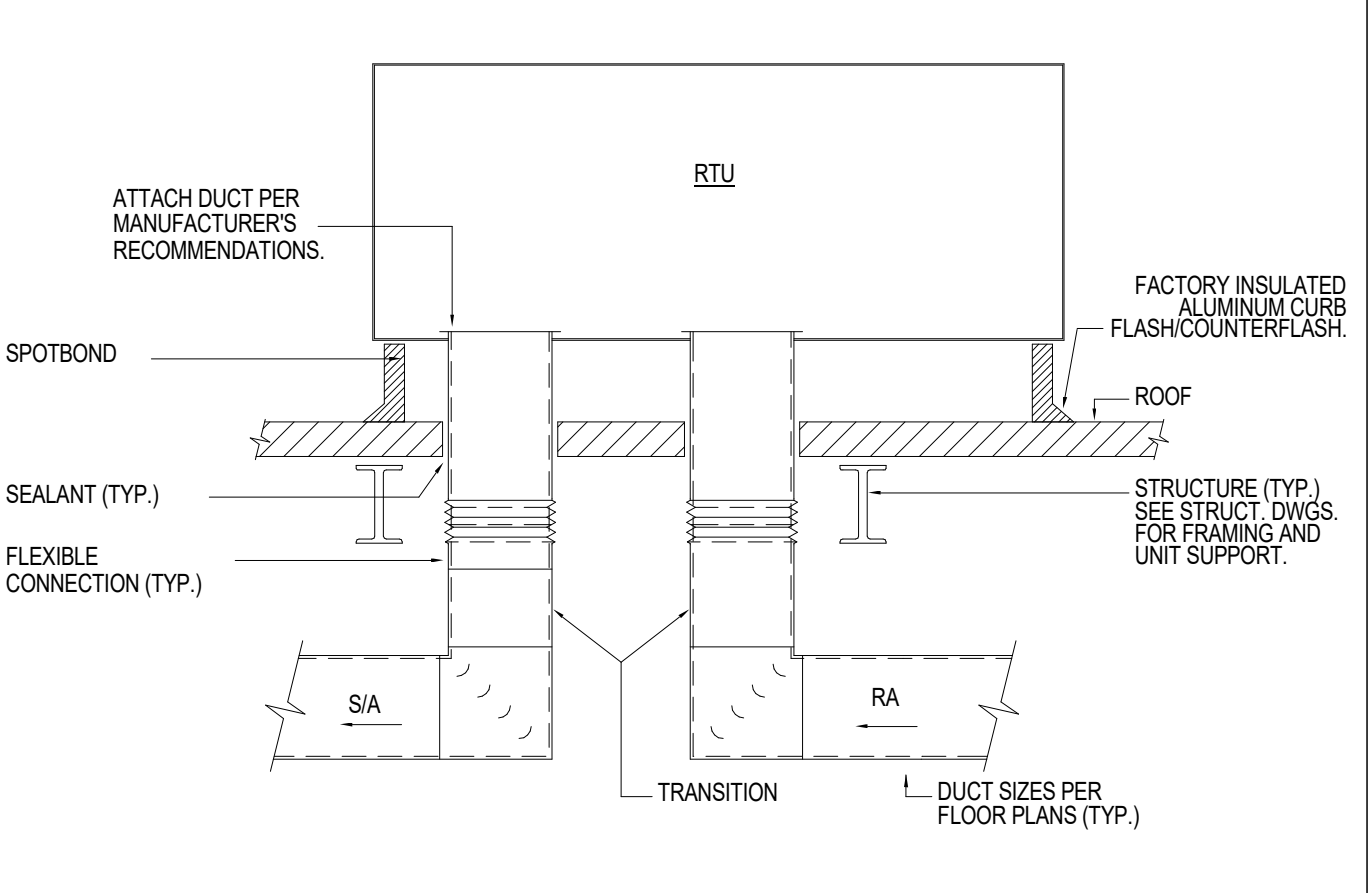
05 ACOUSTICAL DUCT LINING SCALE: NTS



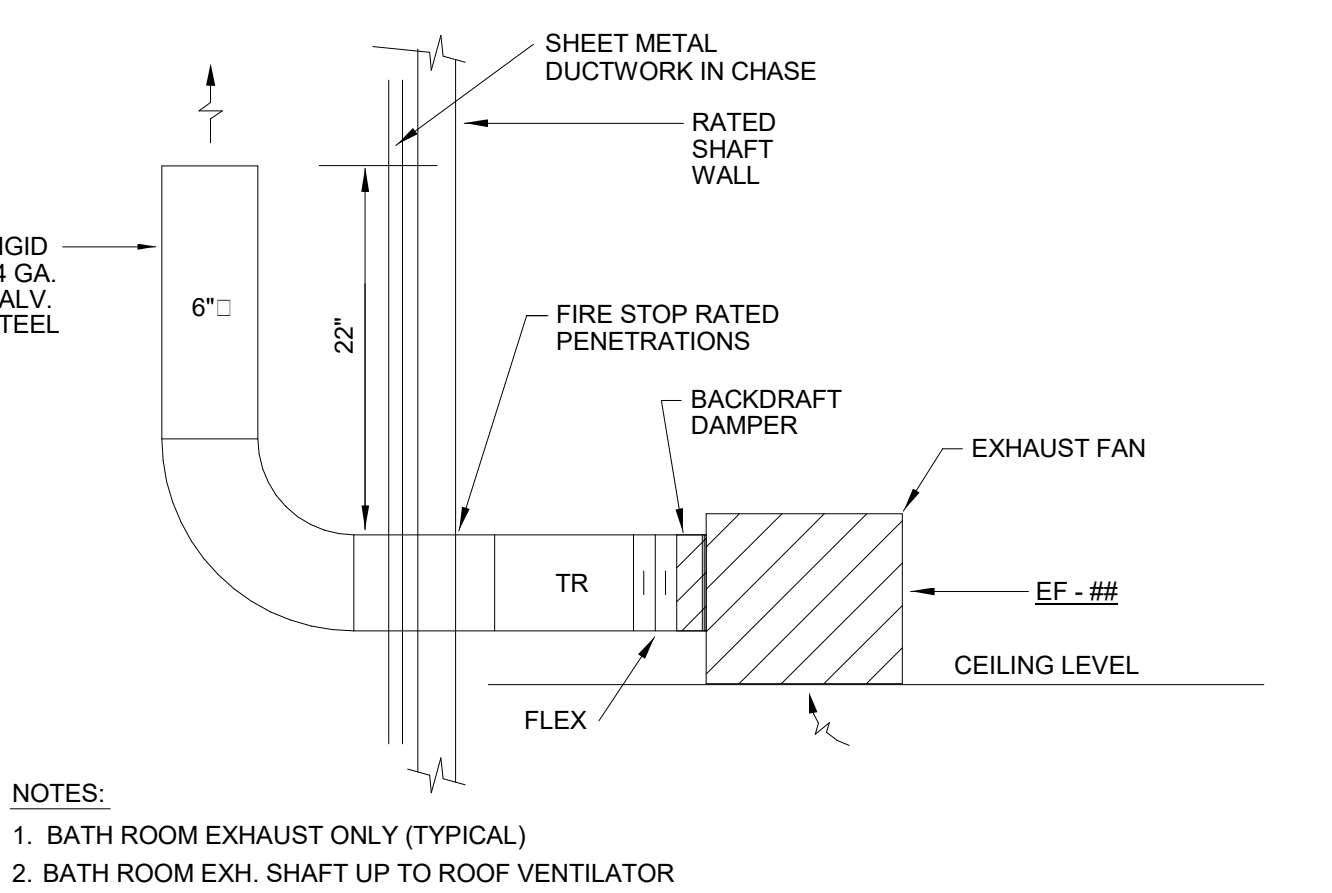
01 VANED DUCT ELBOW DETAIL SCALE: NTS



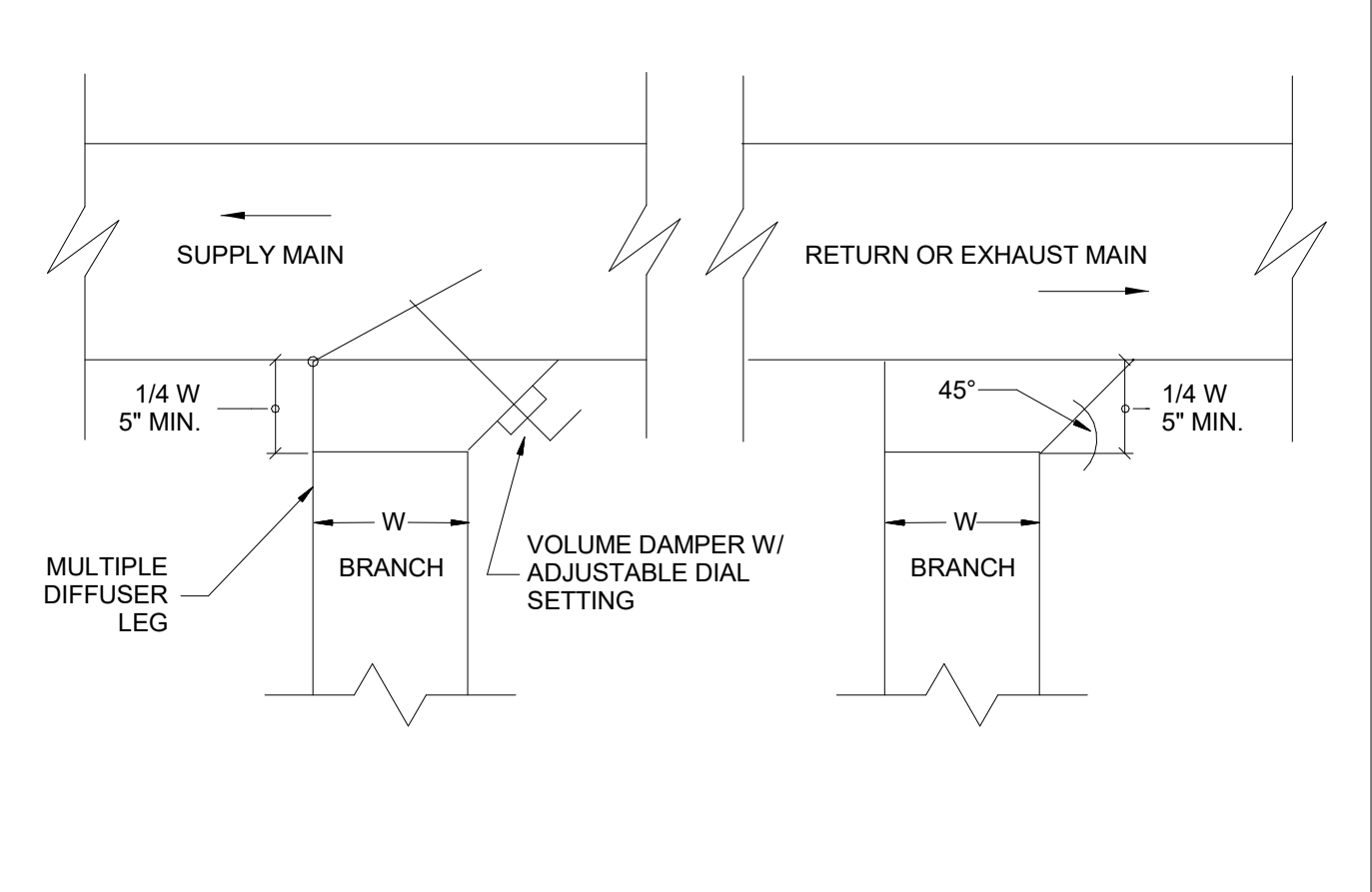
16 CONDENSATE PIPE TERMINATION SCALE: NTS



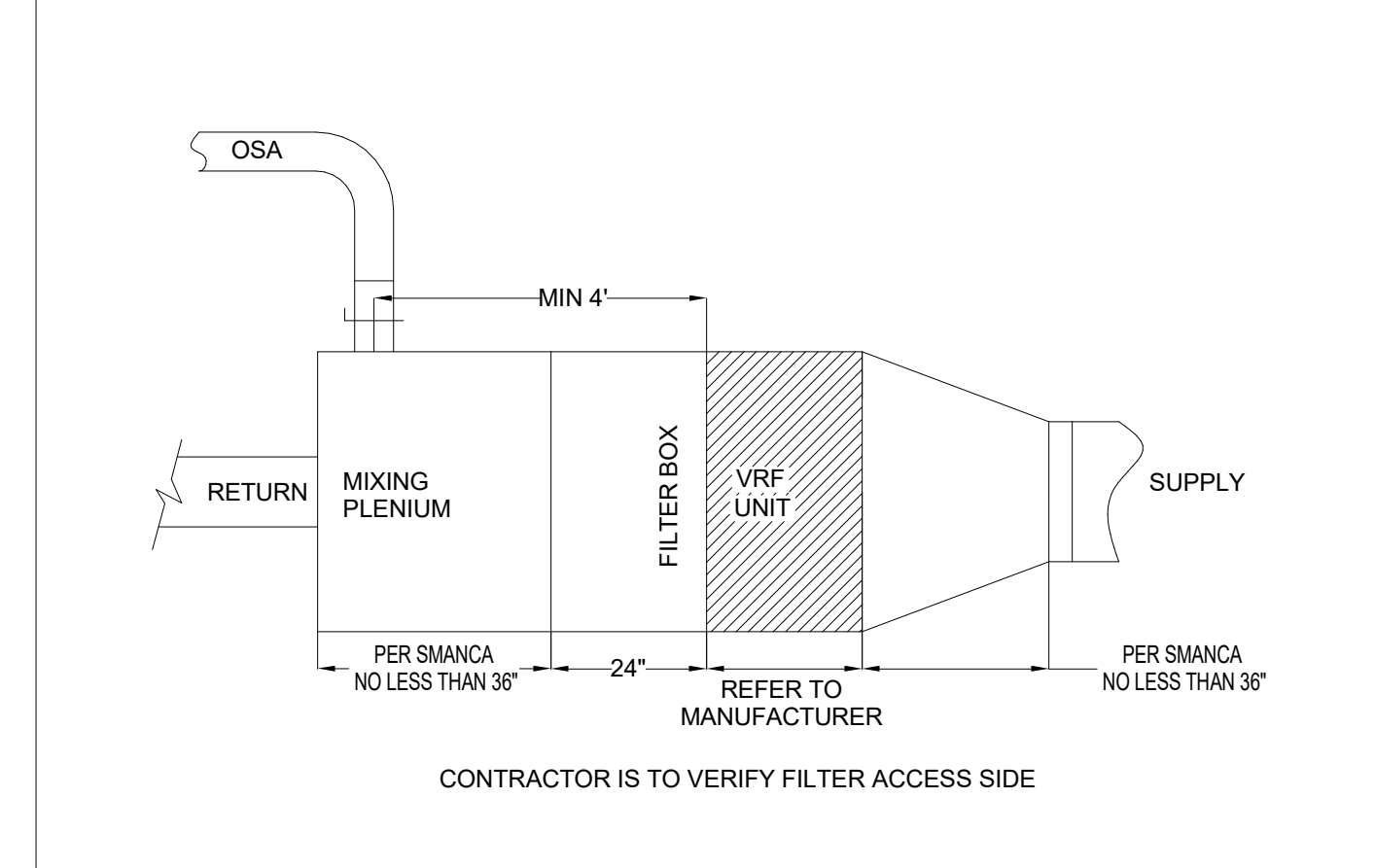
11 RTU INSTALLATION DETAIL SCALE: NTS



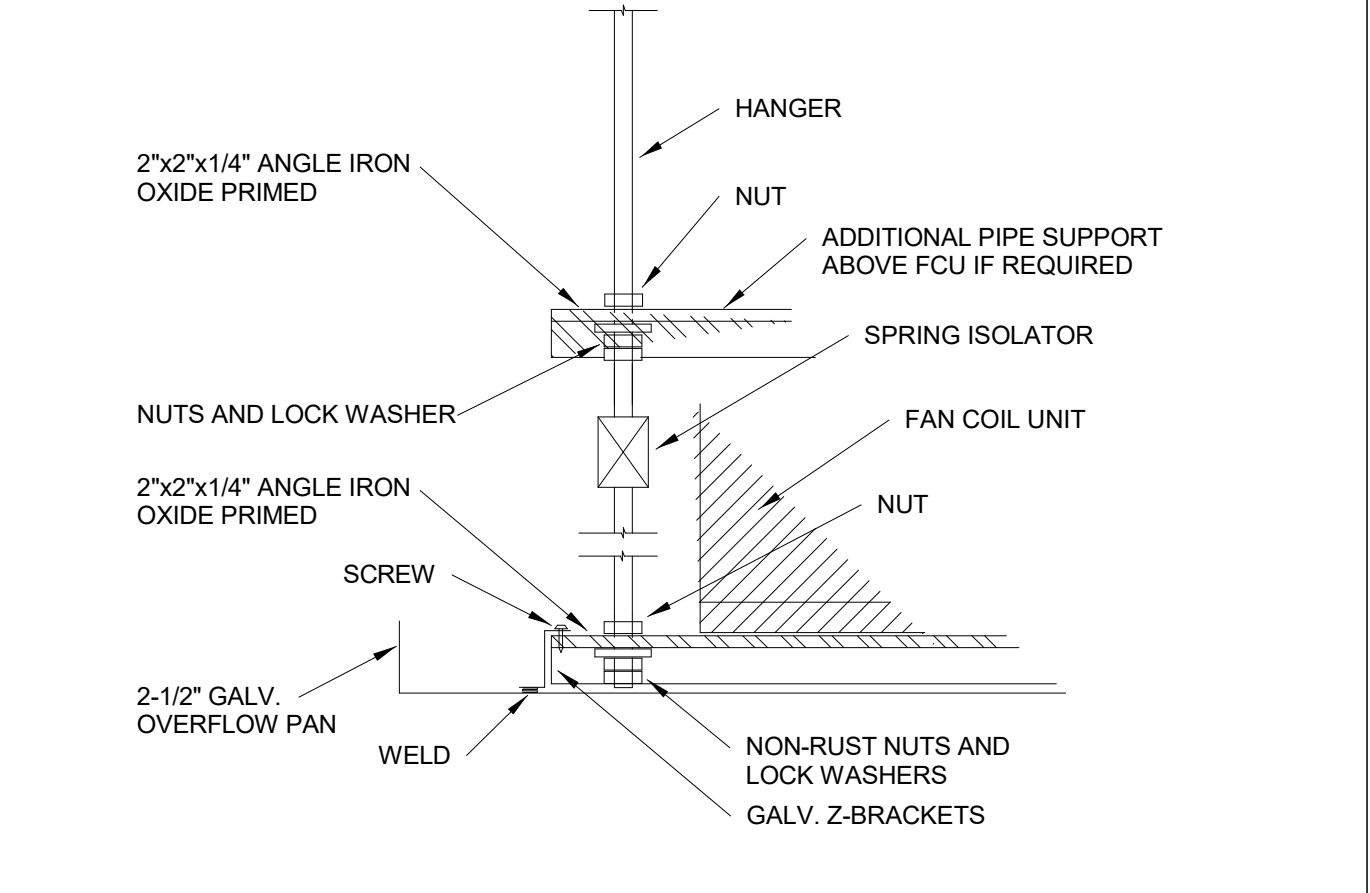
06 RESTROOM EXHAUST FAN SCALE: NTS



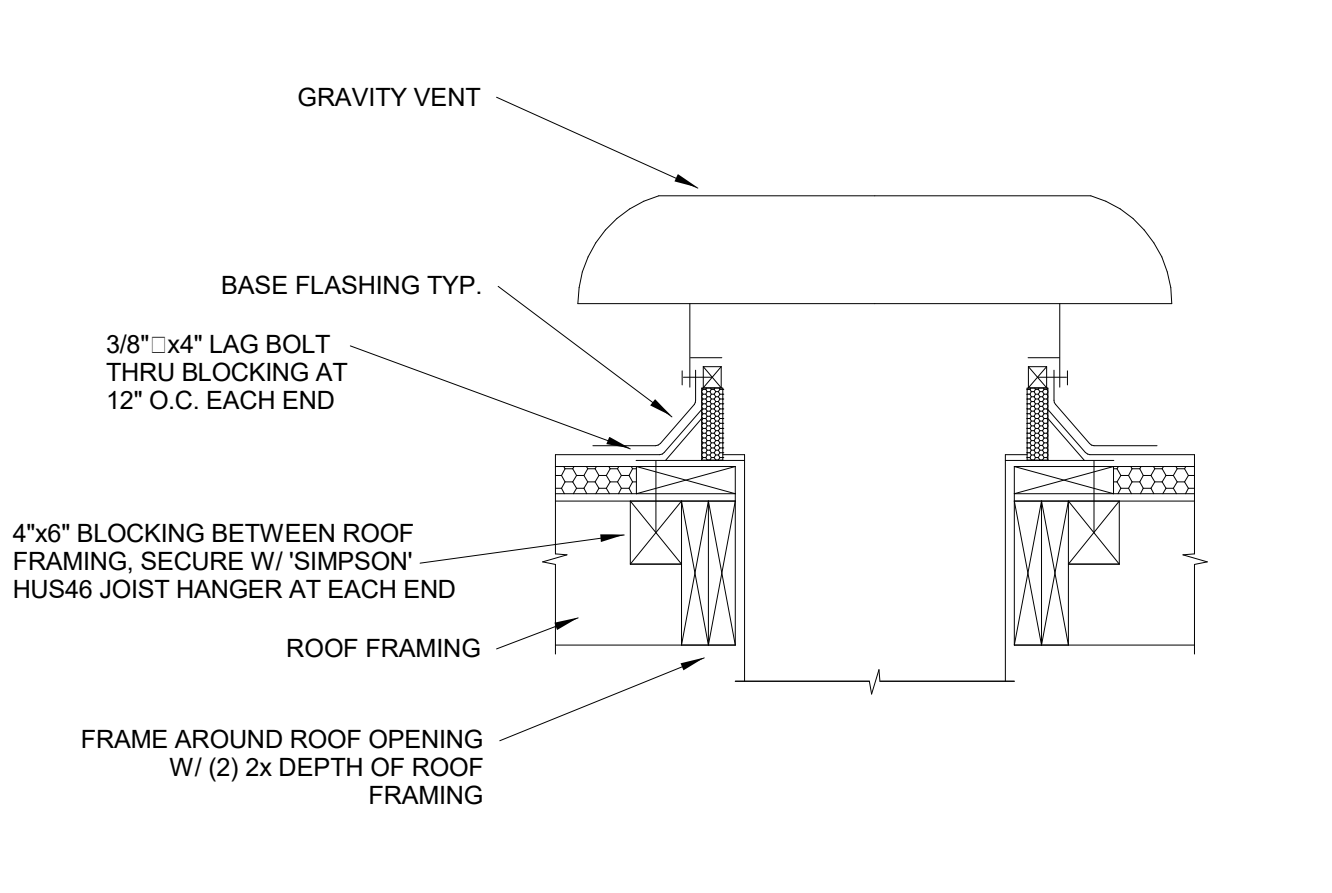
02 LOW PRESSURE BRANCH TAKE OFF SCALE: NTS



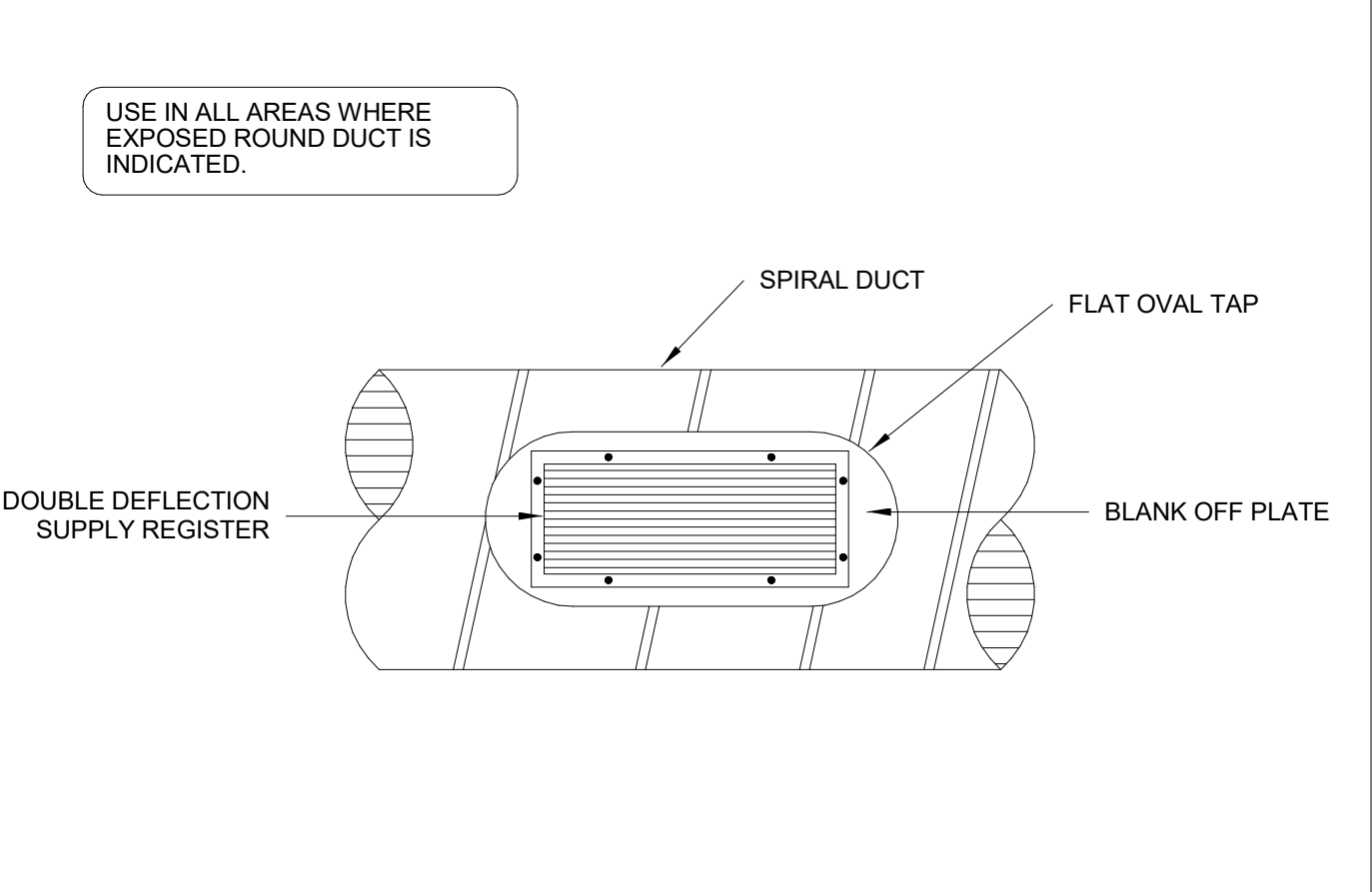
17 VRF FILTER BOX OUTSIDE AIR SCALE: NTS



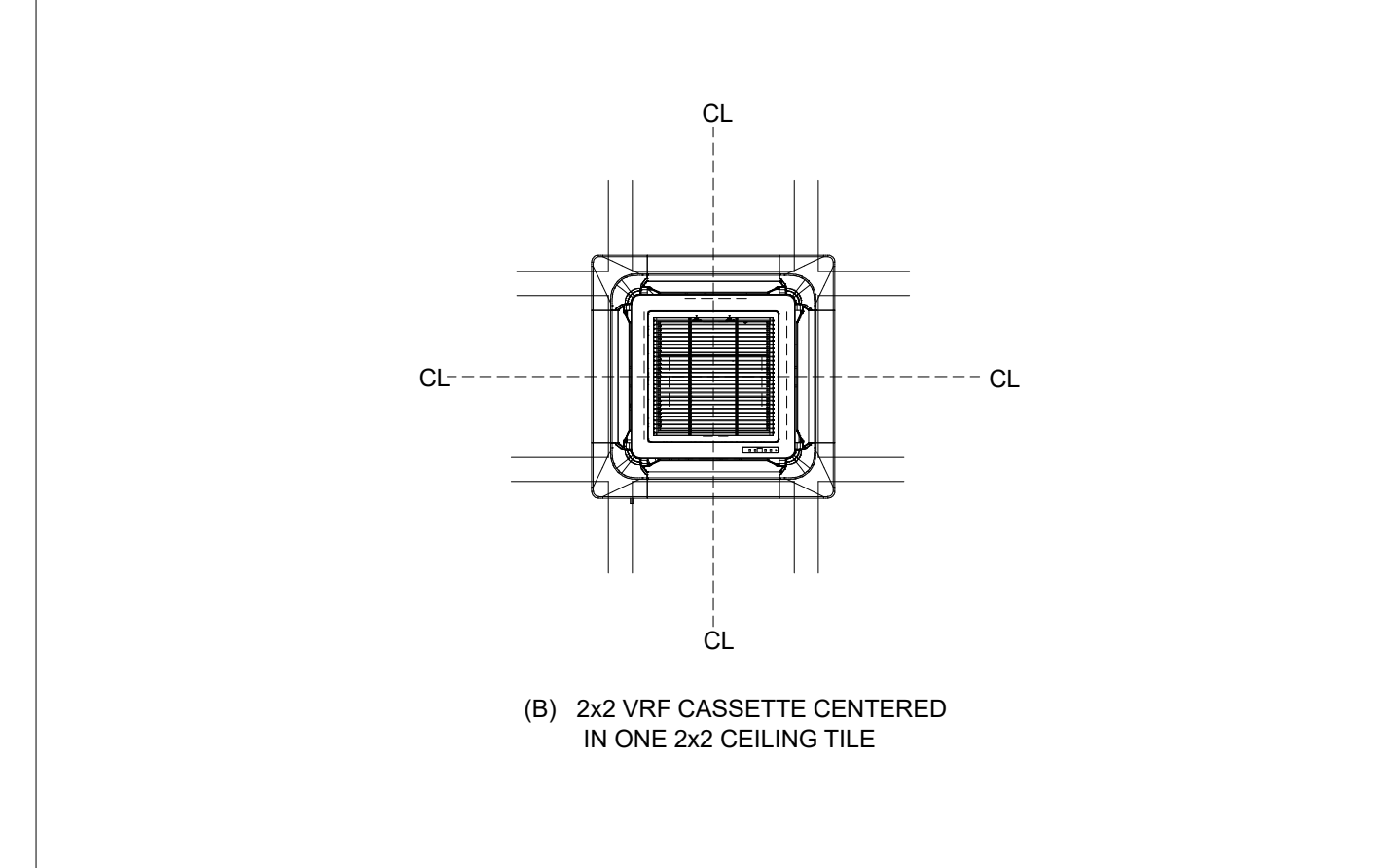
12 FCU/AHU HANGER SCALE: NTS



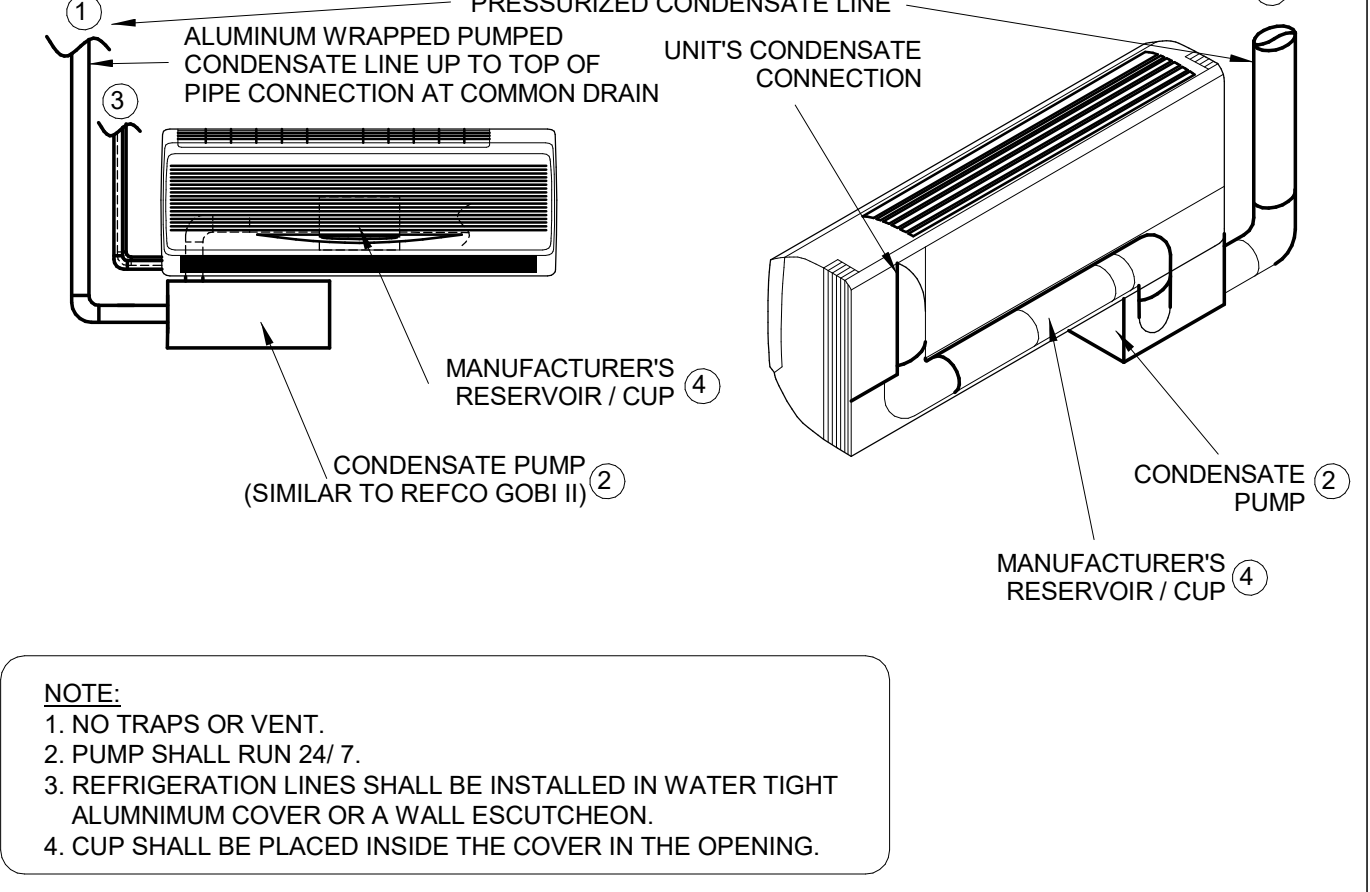
07 GRAVITY VENT SCALE: NTS



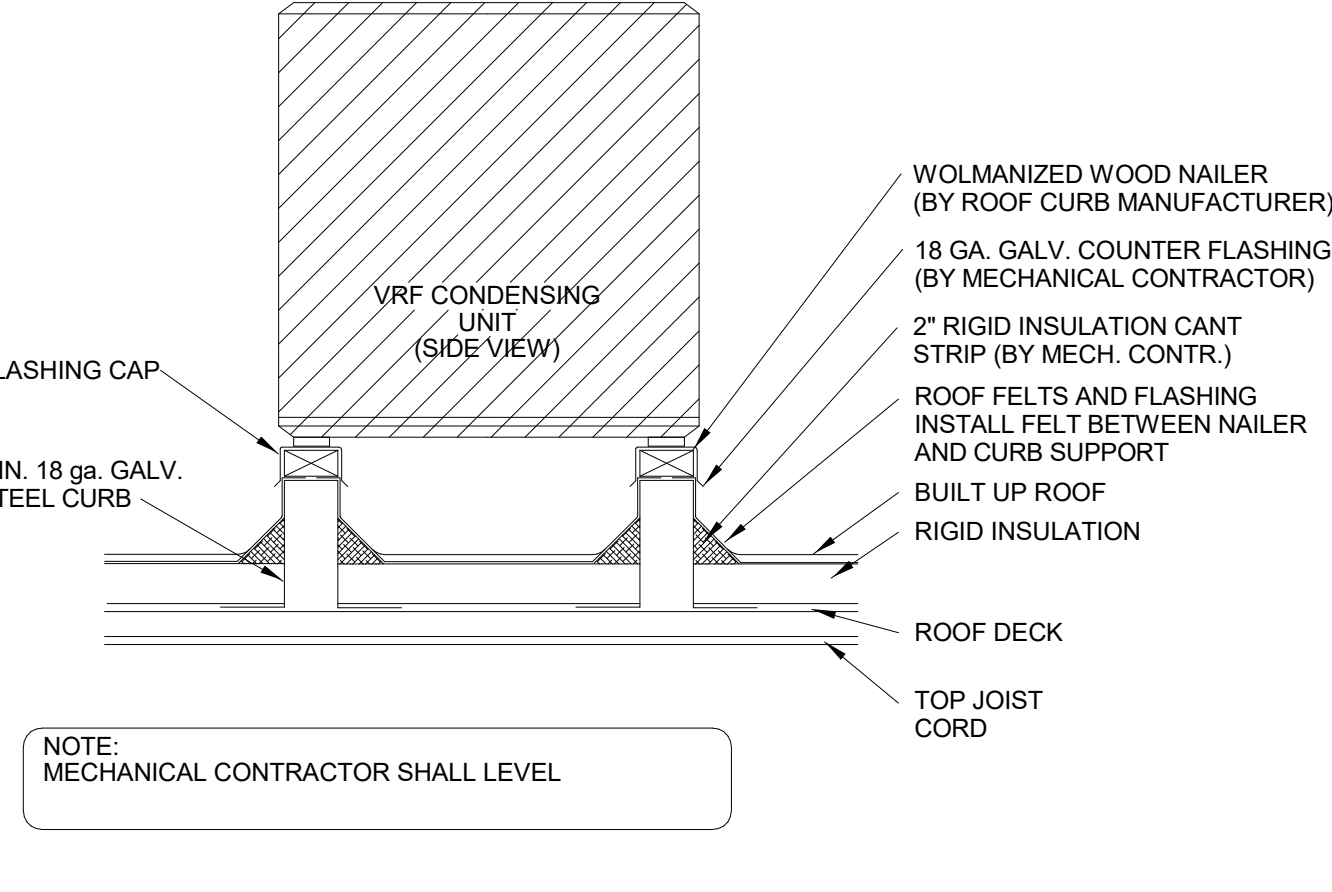
03 TYPICAL SUPPLY TAP SCALE: NTS



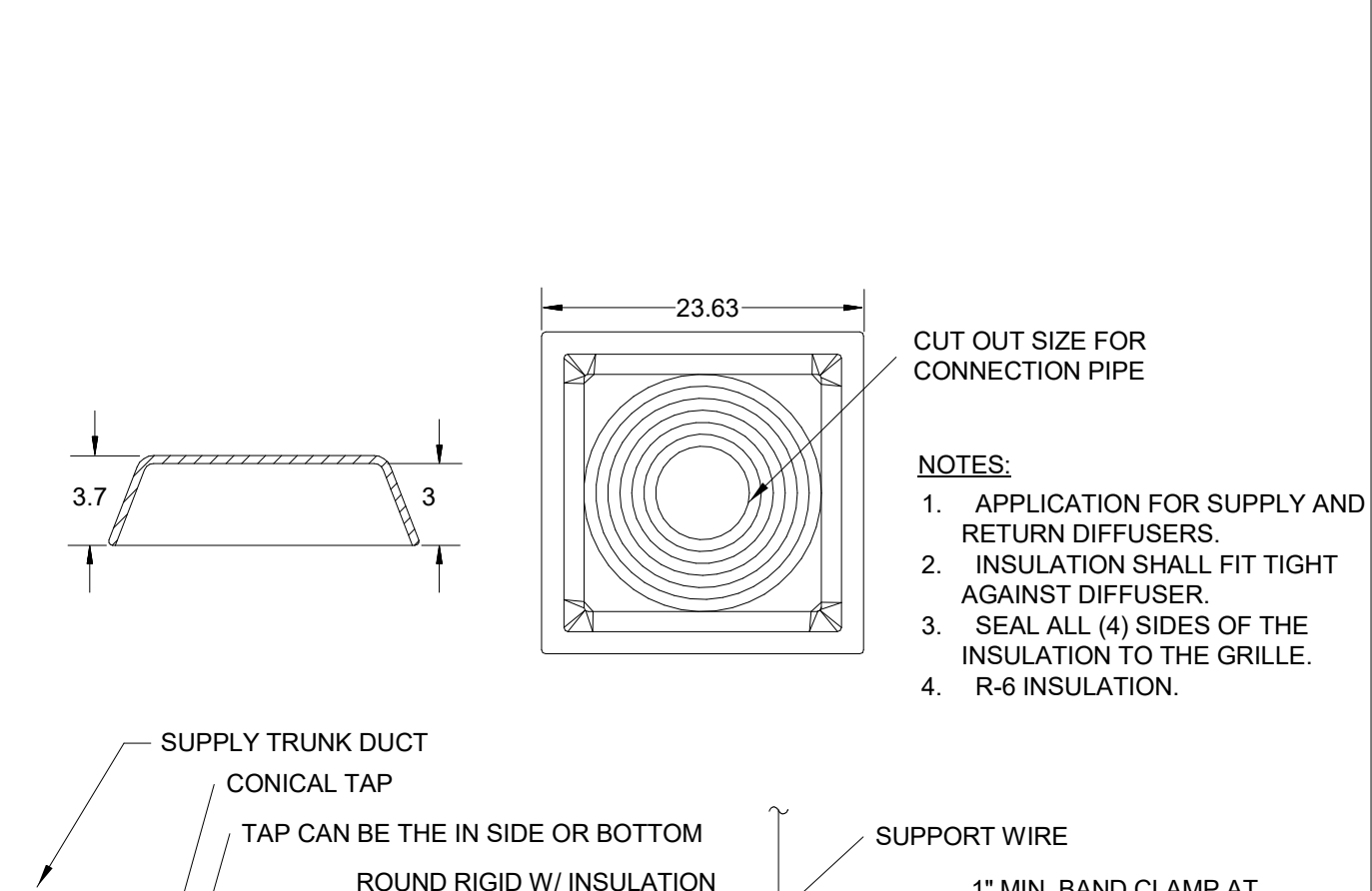
18 VRF CASSETTE CENTERED SCALE: NTS



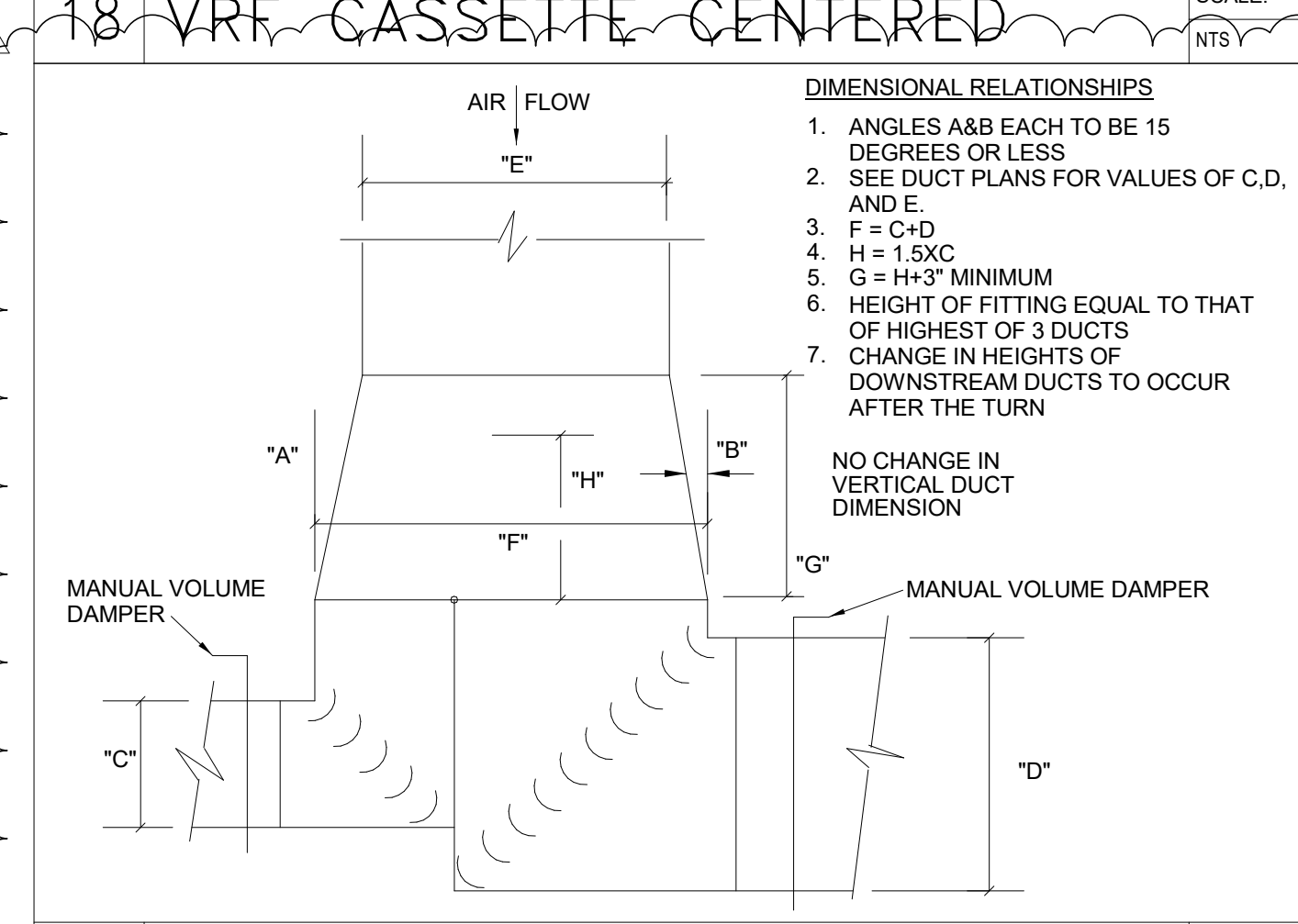
13 WALL MTD. VRF CD PIPING DETAIL SCALE: NTS



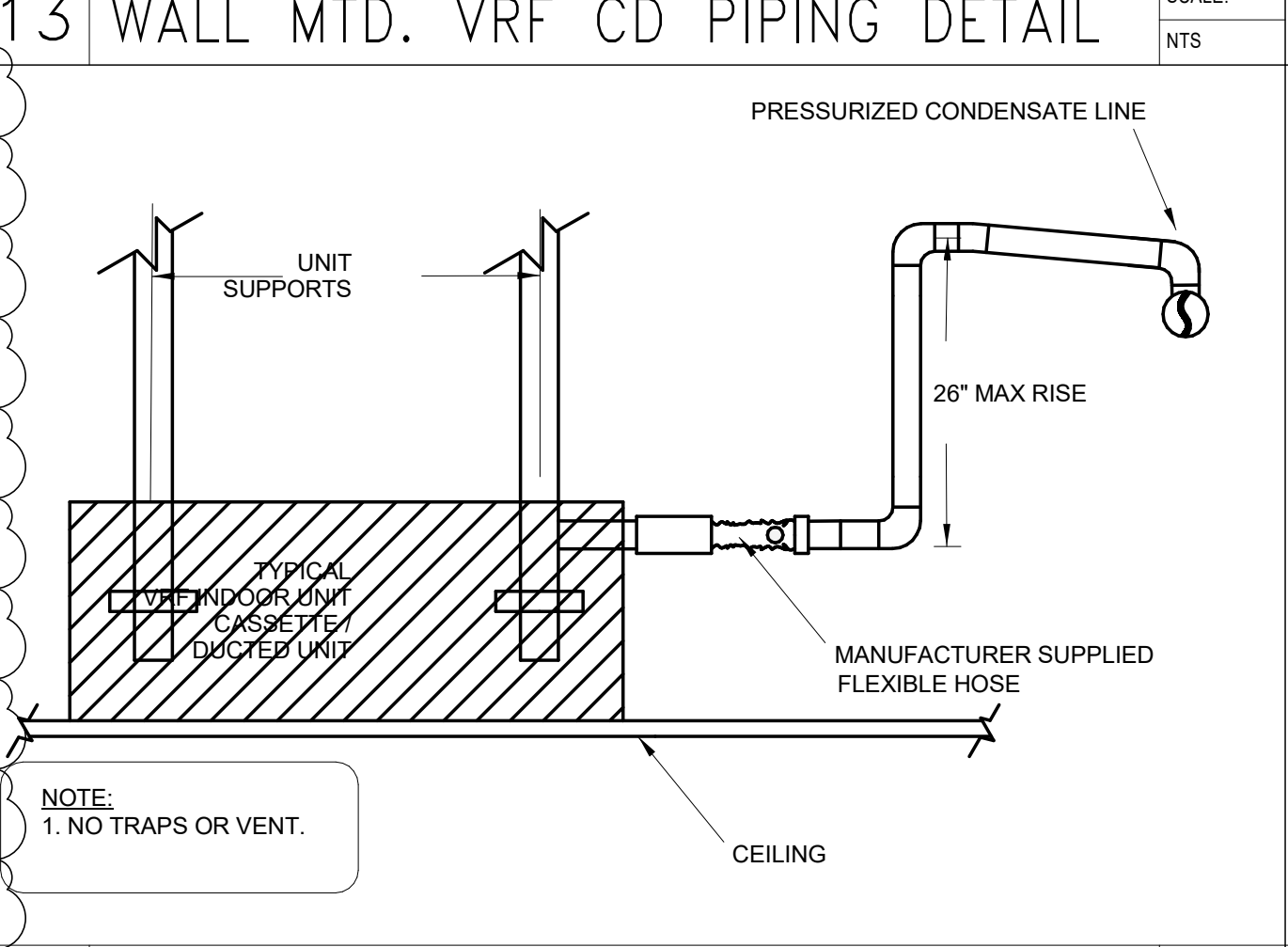
08 CONDENSING UNIT ROOF MOUNTING SCALE: NTS



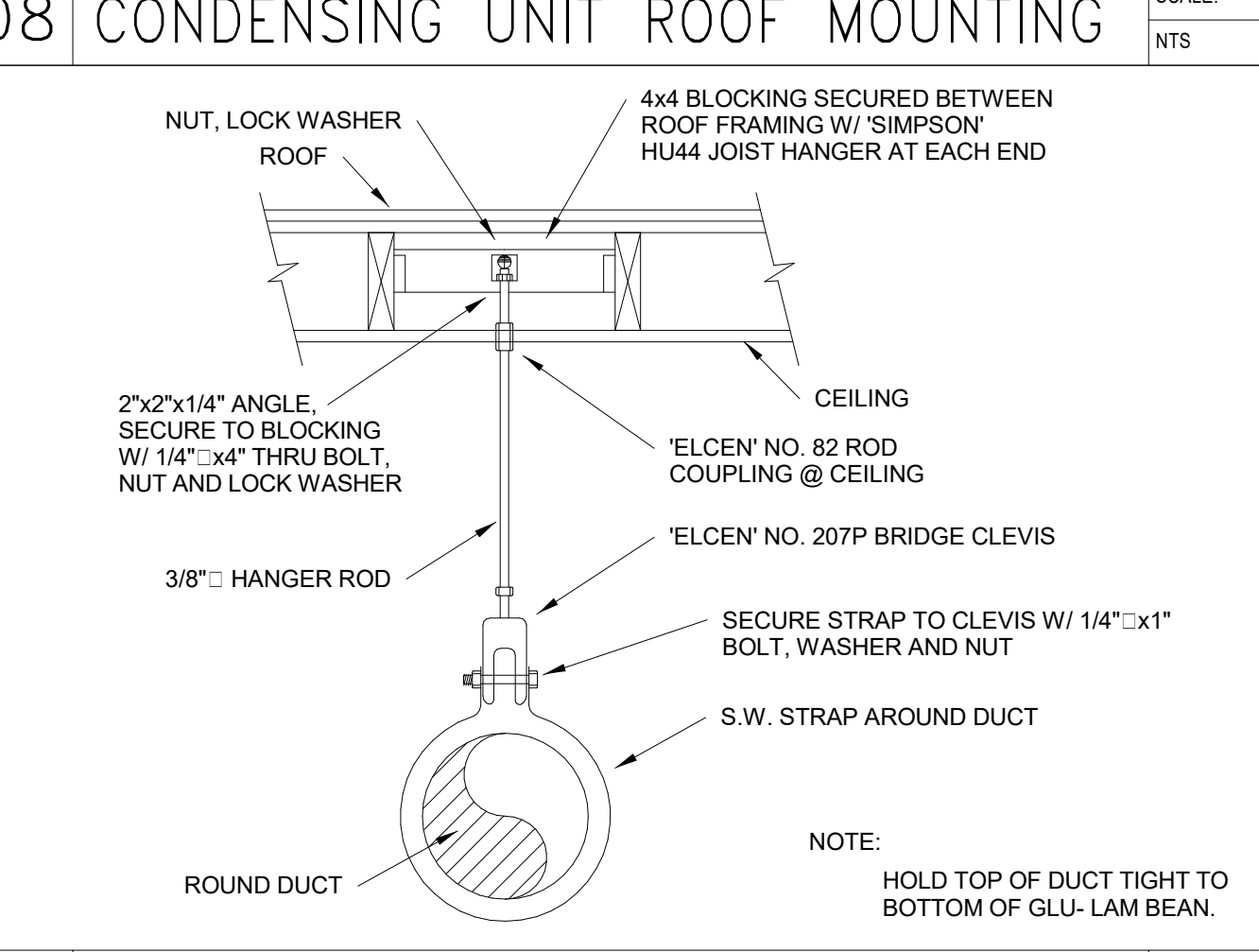
04 TYPICAL CEILING SUPPLY DIFFUSER SCALE: NTS



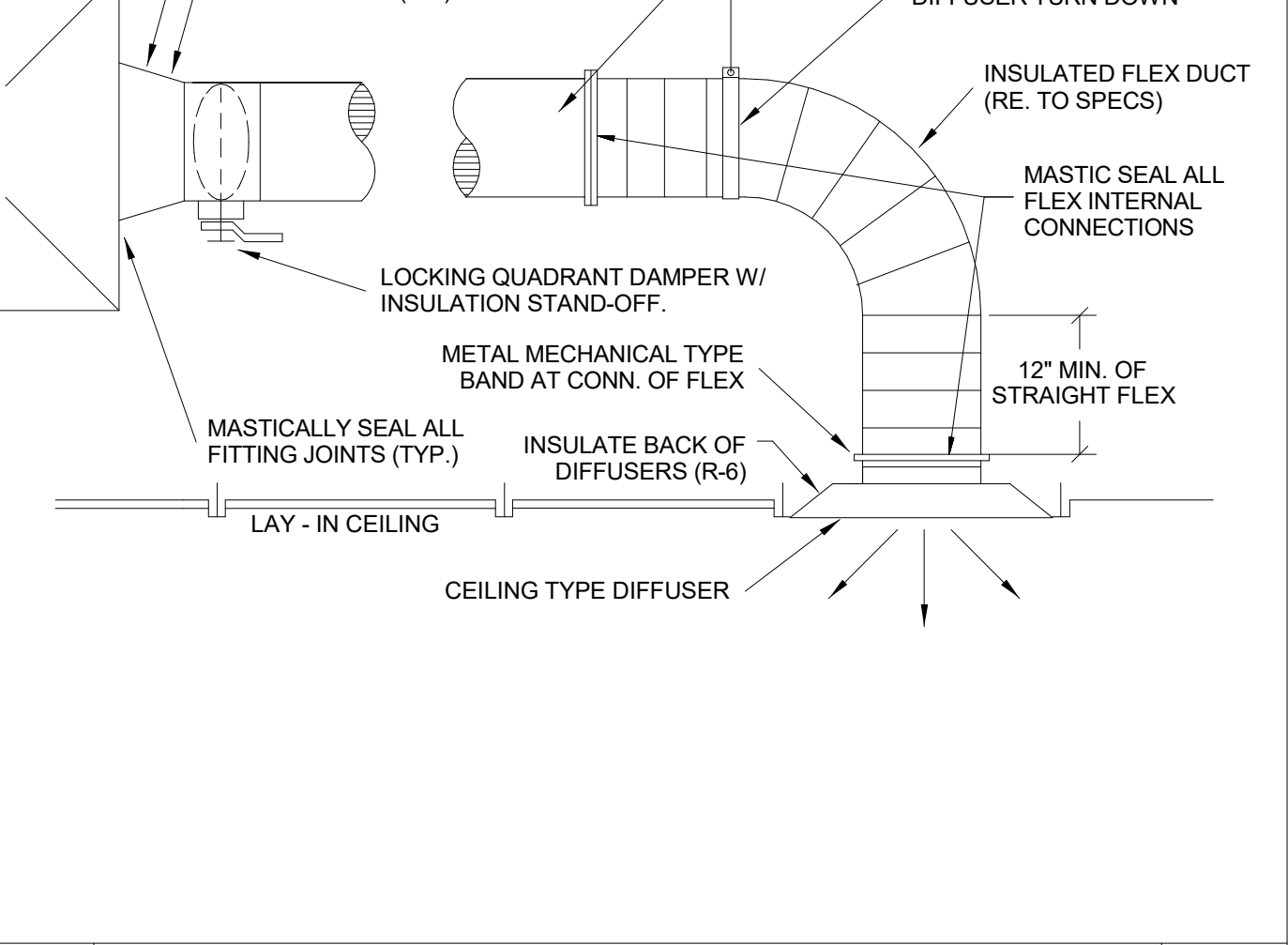
19 MAJOR RECTANGULAR DUCT TEE SCALE: NTS



14 INDOOR VRF PIPING DETAIL SCALE: NTS



09 SUPPORT DETAIL FOR ROUND DUCT SCALE: NTS



04 TYPICAL CEILING SUPPLY DIFFUSER SCALE: NTS

Revisions: 3 03/12/2024 ADDENDUM 3

Issue Date: FEBRUARY 8, 2024

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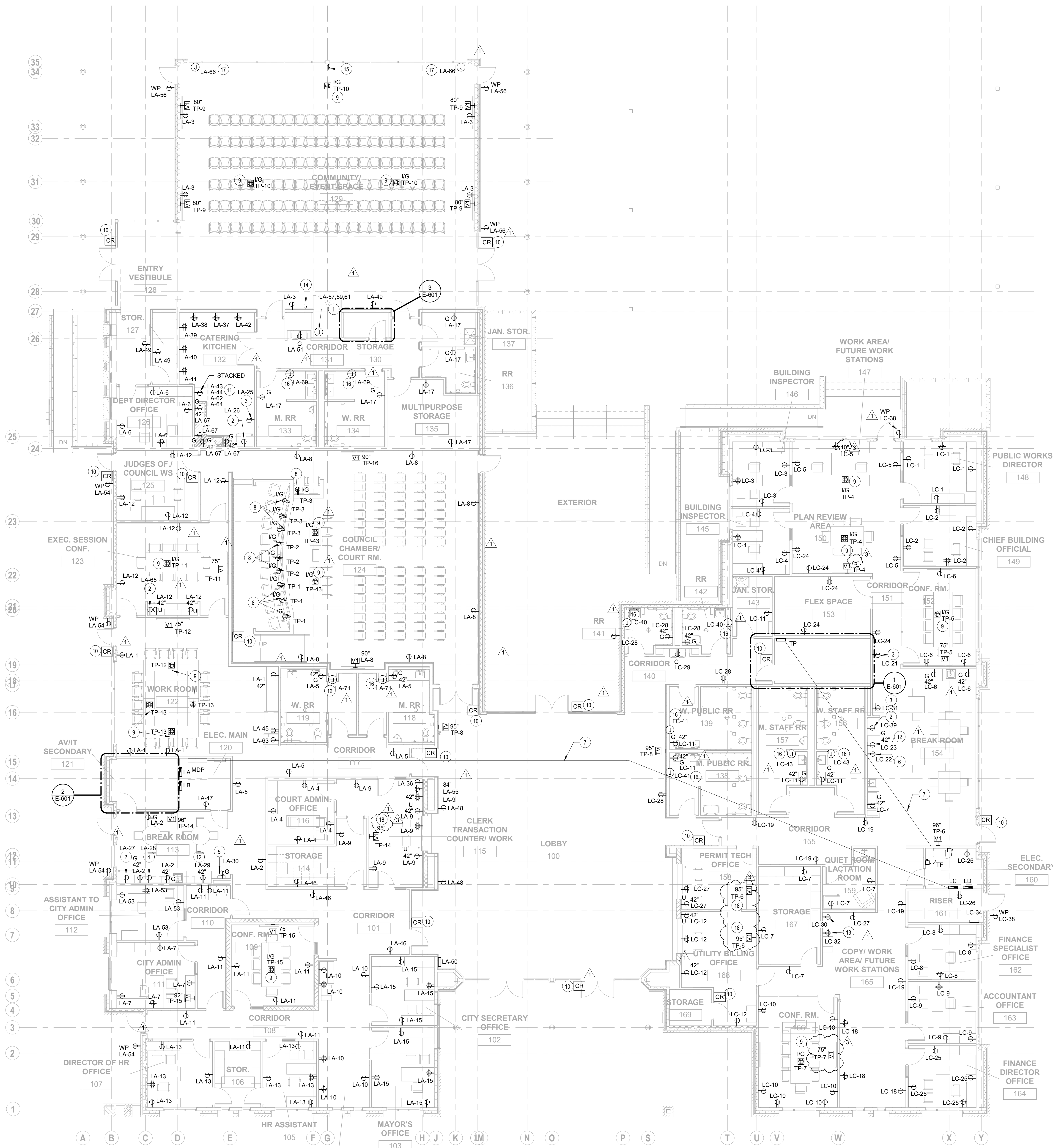
DETAILS - MECHANICAL

Project No.

M-401

23046

Plotted 3/12/2024 10:46:11 AM



### GENERAL NOTES:

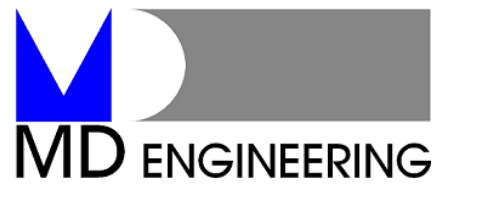
- A REFER TO DRAWING E-000 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES - ELECTRICAL.
- B REFER TO DRAWING E-401 FOR ELECTRICAL RISER DIAGRAM.
- C THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATED THE GENERAL EXTENT OF THE WORK. THE CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
- D VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWING SUBMITTALS. NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN MECHANICAL EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS.
- E EACH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR CONNECTED BACK TO THE PANEL.
- F PROVIDE FIRE STOPPING FOR ALL CONDUIT SLEEVES.
- G PROVIDE FIRE ALARM POWER SUPPLY PANELS (NAC'S) AS REQUIRED BY THE MANUFACTURER.
- H ALL FIRE ALARM POWER PANELS (NAC'S) SHALL BE CONNECTED TO A NEW DEDICATED 208V/1P CIRCUIT BREAKER IN THE NEAREST 208Y/120V BRANCH PANELBOARD WITH 2#12, #12G, 3/4" C. CONTRACTOR SHALL VERIFY EXACT LOCATION AND QUANTITIES WITH FIRE ALARM CONTRACTOR. CONTRACTOR SHALL UPSIZE WIRE FOR VOLTAGE DROP AS REQUIRED.
- I ALL FIRE/SMOKE DAMPERS SHALL BE CONNECTED TO A NEW DEDICATED 208V/1P CIRCUIT BREAKER IN NEAREST 208Y/120V BRANCH PANELBOARD WITH 2#12, #12G, 3/4" C. CONTRACTOR SHALL UPSIZE WIRE FOR VOLTAGE DROP AS REQUIRED. NO MORE THAN (20) TWENTY FIRE/SMOKE DAMPERS TO A SINGLE CIRCUIT. FIRE/SMOKE DAMPERS SHALL BE CONNECTED TO FIRE ALARM SYSTEM BY FIRE ALARM CONTRACTOR.
- J CONTRACTOR SHALL PROVIDE NEATLY TYPED PANEL SCHEDULE INSIDE PANEL DOOR.
- K REFER TO T SERIES SHEETS AND ES SERIES SHEETS FOR ADDITIONAL COORDINATION.

### NOTE BY SYMBOL "O"

- 1 JUNCTION BOX FOR RETRACTING WALL. COORDINATE EXACT LOCATION AND HEIGHT WITH OWNER/MANUFACTURER.
- 2 PROVIDE GFCI BREAKER FOR REFRIGERATOR.
- 3 PROVIDE GFCI BREAKER.
- 4 MOUNT ICE MAKER RECEPTACLE UNDER COUNTER AND MAKE ACCESSIBLE.
- 5 PROVIDE GFCI BREAKER FOR BOTTLE WATER FILLER RECEPTACLE.
- 6 PROVIDE GFCI BREAKER FOR UNDERCOUNTER ICE MAKER RECEPTACLE.
- 7 UNDERGROUND CONDUIT. PROVIDE EXTRA SET OF CONDUIT WITH PULL STRING. REFER TO ONE LINE DIAGRAM ON SHEET E0.1 FOR CONDUIT SIZE.
- 8 RECEPTACLE TO PROVIDE POWER TO MICROPHONE, MONITOR AND TABLE POCKET. REFERENCE T-SERIES SHEETS FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- 9 PROVIDED BY DIVISION 27 AND INSTALLED BY DIVISION 26. REFER TO T-SERIES SHEETS FOR ADDITIONAL INFORMATION.
- 10 ACCESS CARD READER. PROVIDE CONDUIT LEADING BACK TO SECURITY PANEL. REFERENCE ES-SERIES SHEETS FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 11 STACKED RECEPTACLES FOR (2) FOOD WARMERS AND (2) MICROWAVES. REFER TO ARCHITECTURAL SHEETS FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- 12 DEDICATED MICROWAVE RECEPTACLE.
- 13 DEDICATED COPIER/PRINTER MACHINE RECEPTACLE.
- 14 PARTITION KEY SWITCH (STACK). COORDINATE WITH OWNER AND MANUFACTURER FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- 15 PARTITION KEY SWITCH (LEAD). COORDINATE WITH OWNER AND MANUFACTURER FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- 16 PROVIDE RECESSED JUNCTION BOX FOR PAPER TOWEL DISPENSER. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
- 17 PROVIDE JBOX FOR POWERED SHADES.
- 18 TV TO BE MOUNTED SUCH THAT TOP OF TV IS 2'-4" FROM CEILING. COORDINATE WITH ARCHITECT FOR EXACT LOCATION.



Lexington Cincinnati Cleveland Dallas Charleston



Texas Registered Engineering Firm No. F-7489  
 1255 West 15th Street, Suite 303 - Plano, TX 75075  
 PH: 469.487.0200 FAX: 469.487.0200  
 Email: mdengr@mdeng.com Project No: 231646

Revisions:	NUMBER	DATE	DESCRIPTION
	3	03/12/2024	ADDENDUM 3
	1	02/22/2024	ADDENDUM 1

Issue Date: FEBRUARY 8, 2024

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### FIRST FLOOR PLAN - POWER

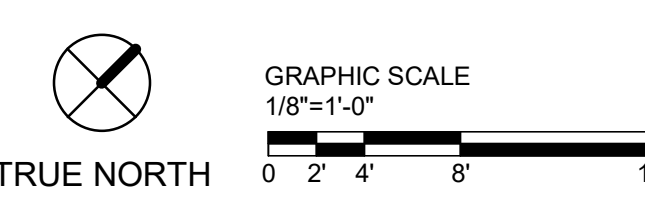
Project No.

23046

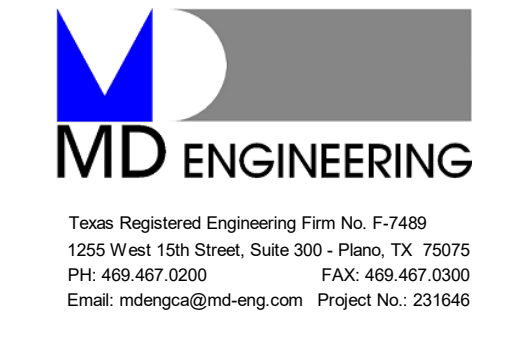
# E-301

## 1 FIRST FLOOR PLAN - POWER

1/8" = 1'-0"

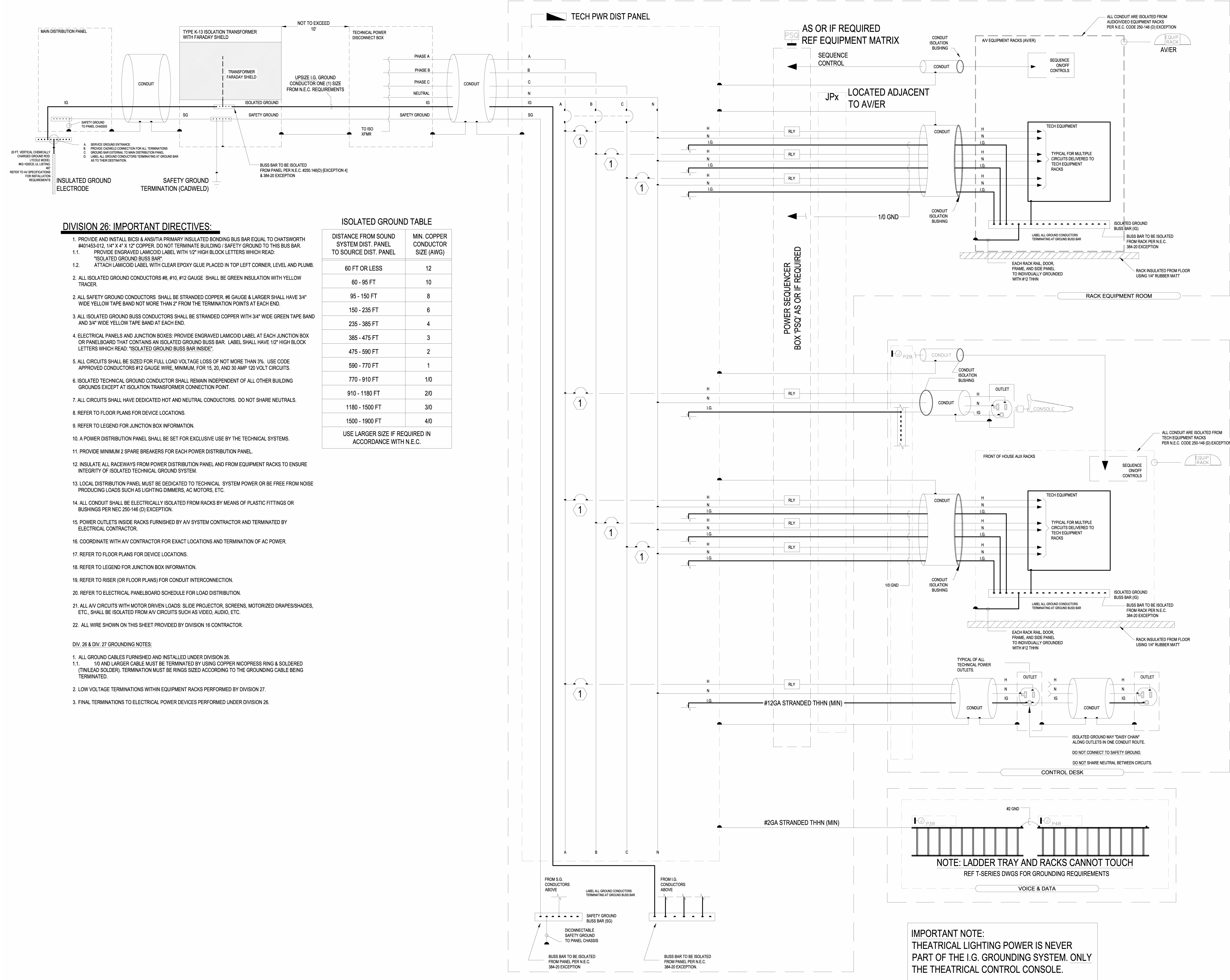


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KEYNOTES

- 1. NUMBER OF CIRCUITS SHOWN MAY NOT BE TYPICAL. REFER TO AV AND IT SERIES DRAWINGS FLOOR PLAN DRAWINGS, AV RACK LOCATION(S) (ER) FOR ACTUAL NUMBER AND LOCATIONS OF CIRCUITS REQUIRED.



DIVISION 26: IMPORTANT DIRECTIVES:

- 1. PROVIDE AND INSTALL BICSI & ANS/ITIA PRIMARY INSULATED BONDING BUS BAR EQUAL TO CHATSWORTH #401453-012, 1/4" X 4" X 1/2" COPPER. DO NOT TERMINATE BUILDING / SAFETY GROUND TO THIS BUS BAR.
1.1. PROVIDE ENGRAVED LAMICOID LABEL WITH 1/2" HIGH BLOCK LETTERS WHICH READ: "ISOLATED GROUND BUSS BAR"
1.2. ATTACH LAMICOID LABEL WITH CLEAR EPOXY GLUE PLACED IN TOP LEFT CORNER, LEVEL AND PLUMB.
2. ALL ISOLATED GROUND CONDUCTORS #8, #10, #12 GAUGE SHALL BE GREEN INSULATION WITH YELLOW TRACER.
2. ALL SAFETY GROUND CONDUCTORS SHALL BE STRANDED COPPER, #6 GAUGE & LARGER SHALL HAVE 3/4" WIDE YELLOW TAPE BAND NOT MORE THAN 2" FROM THE TERMINATION POINTS AT EACH END.
3. ALL ISOLATED GROUND BUSS CONDUCTORS SHALL BE STRANDED COPPER WITH 3/4" WIDE GREEN TAPE BAND AND 3/4" WIDE YELLOW TAPE BAND AT EACH END.
4. ELECTRICAL PANELS AND JUNCTION BOXES: PROVIDE ENGRAVED LAMICOID LABEL AT EACH JUNCTION BOX OR PANELBOARD THAT CONTAINS AN ISOLATED GROUND BUSS BAR. LABEL SHALL HAVE 1/2" HIGH BLOCK LETTERS WHICH READ: "ISOLATED GROUND BUSS BAR INSIDE".
5. ALL CIRCUITS SHALL BE SIZED FOR FULL LOAD VOLTAGE LOSS OF NOT MORE THAN 3%. USE CODE APPROVED CONDUCTORS #12 GAUGE WIRE, MINIMUM FOR 15, 20, AND 30 AMP 120 VOLT CIRCUITS.
6. ISOLATED TECHNICAL GROUND CONDUCTOR SHALL REMAIN INDEPENDENT OF ALL OTHER BUILDING GROUNDS EXCEPT AT ISOLATION TRANSFORMER CONNECTION POINT.
7. ALL CIRCUITS SHALL HAVE DEDICATED HOT AND NEUTRAL CONDUCTORS. DO NOT SHARE NEUTRALS.
8. REFER TO FLOOR PLANS FOR DEVICE LOCATIONS.
9. REFER TO LEGEND FOR JUNCTION BOX INFORMATION.
10. A POWER DISTRIBUTION PANEL SHALL BE SET FOR EXCLUSIVE USE BY THE TECHNICAL SYSTEMS.
11. PROVIDE MINIMUM 2 SPARE BREAKERS FOR EACH POWER DISTRIBUTION PANEL.
12. INSULATE ALL RACEWAYS FROM POWER DISTRIBUTION PANEL AND FROM EQUIPMENT RACKS TO ENSURE INTEGRITY OF ISOLATED TECHNICAL GROUND SYSTEM.
13. LOCAL DISTRIBUTION PANEL MUST BE DEDICATED TO TECHNICAL SYSTEM POWER OR BE FREE FROM NOISE PRODUCING LOADS SUCH AS LIGHTING DIMMERS, AC MOTORS, ETC.
14. ALL CONDUIT SHALL BE ELECTRICALLY ISOLATED FROM RACKS BY MEANS OF PLASTIC FITTINGS OR BUSHINGS PER NEC 250-146 (D) EXCEPTION.
15. POWER OUTLETS INSIDE RACKS FURNISHED BY AV SYSTEM CONTRACTOR AND TERMINATED BY ELECTRICAL CONTRACTOR.
16. COORDINATE WITH AV CONTRACTOR FOR EXACT LOCATIONS AND TERMINATION OF AC POWER.
17. REFER TO FLOOR PLANS FOR DEVICE LOCATIONS.
18. REFER TO LEGEND FOR JUNCTION BOX INFORMATION.
19. REFER TO RISER (OR FLOOR PLANS) FOR CONDUIT INTERCONNECTION.
20. REFER TO ELECTRICAL PANELBOARD SCHEDULE FOR LOAD DISTRIBUTION.
21. ALL AV CIRCUITS WITH MOTOR DRIVEN LOADS: SLIDE PROJECTOR, SCREENS, MOTORIZED DRAPESHADDES, ETC. SHALL BE ISOLATED FROM AV CIRCUITS SUCH AS VIDEO, AUDIO, ETC.
22. ALL WIRE SHOWN ON THIS SHEET PROVIDED BY DIVISION 16 CONTRACTOR.

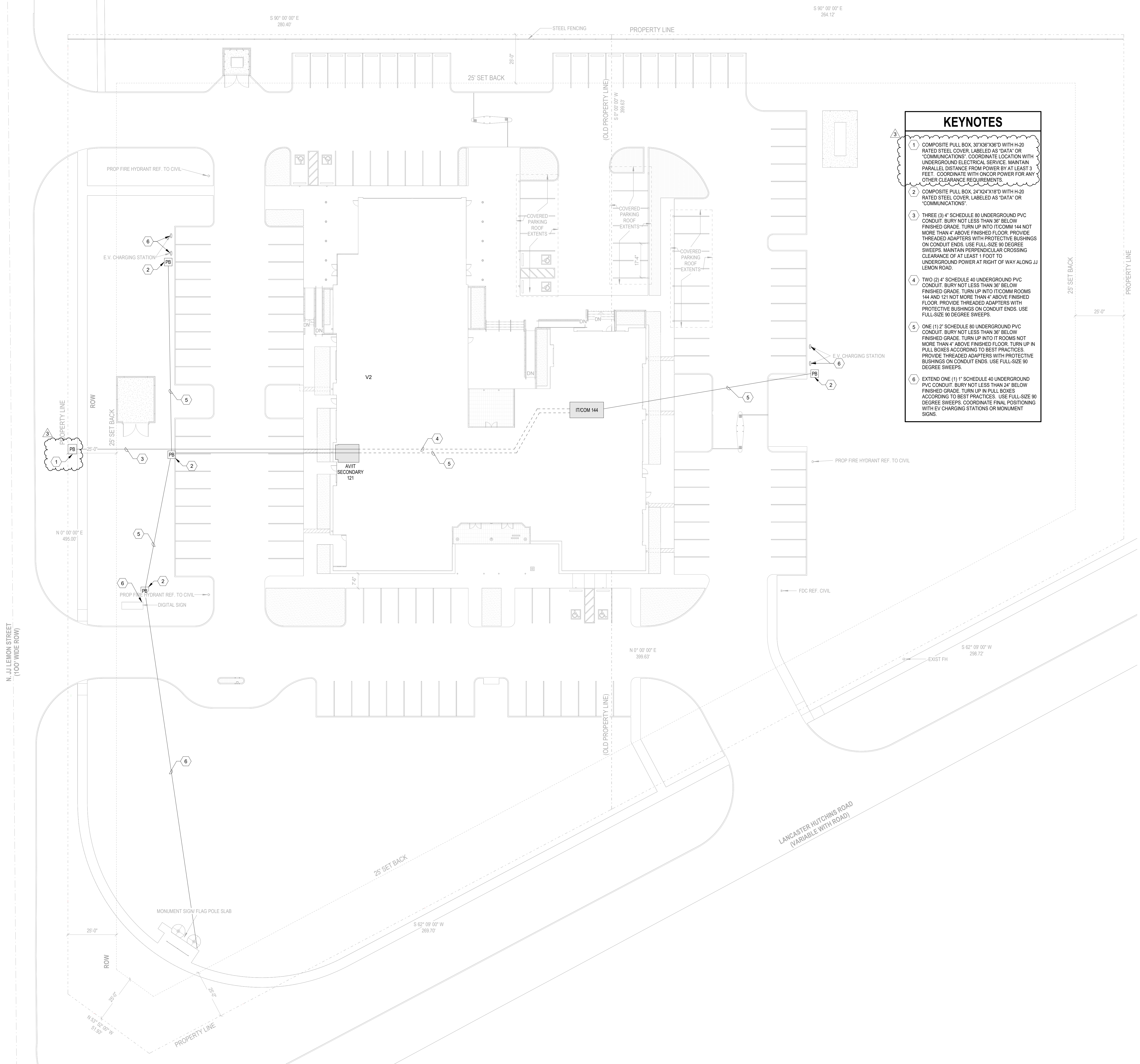
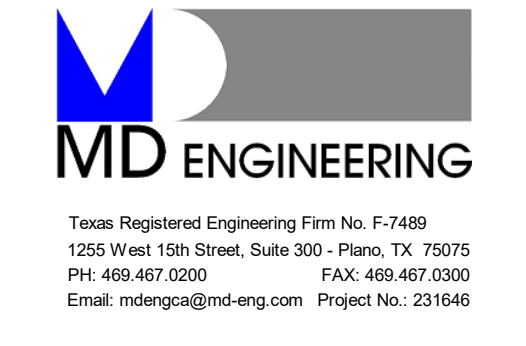
ISOLATED GROUND TABLE

Table with 3 columns: DISTANCE FROM SOUND SYSTEM DIST. PANEL TO SOURCE DIST. PANEL, MIN. COPPER CONDUCTOR SIZE (AWG), and USE LARGER SIZE IF REQUIRED IN ACCORDANCE WITH N.E.C.

DIV. 26 & DIV. 27 GROUNDING NOTES:

- 1. ALL GROUND CABLES FURNISHED AND INSTALLED UNDER DIVISION 26.
1.1. 1/0 AND LARGER CABLE MUST BE TERMINATED BY USING COPPER NICOPRESS RING & SOLDERED (TINLEAD SOLDER); TERMINATION MUST BE RINGS SIZED ACCORDING TO THE GROUNDING CABLE BEING TERMINATED.
2. LOW VOLTAGE TERMINATIONS WITHIN EQUIPMENT RACKS PERFORMED BY DIVISION 27.
3. FINAL TERMINATIONS TO ELECTRICAL POWER DEVICES PERFORMED UNDER DIVISION 26.

IMPORTANT NOTE: THEATRICAL LIGHTING POWER IS NEVER PART OF THE I.G. GROUNDING SYSTEM. ONLY THE THEATRICAL CONTROL CONSOLE.



KEYNOTES	
1	COMPOSITE PULL BOX, 30"x36"x36" WITH H-20 RATED STEEL COVER, LABELED AS "DATA" OR "COMMUNICATIONS". COORDINATE LOCATION WITH UNDERGROUND ELECTRICAL SERVICE. MAINTAIN PARALLEL DISTANCE FROM POWER BY AT LEAST 3 FEET. COORDINATE WITH ONCOR POWER FOR ANY OTHER CLEARANCE REQUIREMENTS.
2	COMPOSITE PULL BOX, 24"x24"x18" WITH H-20 RATED STEEL COVER, LABELED AS "DATA" OR "COMMUNICATIONS".
3	THREE (3) 4" SCHEDULE 80 UNDERGROUND PVC CONDUIT, BURY NOT LESS THAN 36" BELOW FINISHED GRADE. TURN UP INTO IT/COMM 144 NOT MORE THAN 4' ABOVE FINISHED FLOOR. PROVIDE THREADED ADAPTERS WITH PROTECTIVE BUSHINGS ON CONDUIT ENDS. USE FULL-SIZE 90 DEGREE SWEEPS. MAINTAIN PERPENDICULAR CROSSING CLEARANCE OF AT LEAST 1 FOOT TO UNDERGROUND POWER AT RIGHT OF WAY ALONG JJ LEMON ROAD.
4	TWO (2) 4" SCHEDULE 40 UNDERGROUND PVC CONDUIT, BURY NOT LESS THAN 36" BELOW FINISHED GRADE. TURN UP INTO IT/COMM ROOMS 144 AND 121 NOT MORE THAN 4' ABOVE FINISHED FLOOR. PROVIDE THREADED ADAPTERS WITH PROTECTIVE BUSHINGS ON CONDUIT ENDS. USE FULL-SIZE 90 DEGREE SWEEPS.
5	ONE (1) 2" SCHEDULE 80 UNDERGROUND PVC CONDUIT, BURY NOT LESS THAN 36" BELOW FINISHED GRADE. TURN UP INTO IT ROOMS NOT MORE THAN 4' ABOVE FINISHED FLOOR. TURN UP IN PULL BOXES ACCORDING TO BEST PRACTICES. PROVIDE THREADED ADAPTERS WITH PROTECTIVE BUSHINGS ON CONDUIT ENDS. USE FULL-SIZE 90 DEGREE SWEEPS.
6	EXTEND ONE (1) 1" SCHEDULE 40 UNDERGROUND PVC CONDUIT, BURY NOT LESS THAN 24" BELOW FINISHED GRADE. TURN UP IN PULL BOXES ACCORDING TO BEST PRACTICES. USE FULL-SIZE 90 DEGREE SWEEPS. COORDINATE FINAL POSITIONING WITH E.V. CHARGING STATIONS OR MONUMENT SIGNS.

**1 SITE PLAN - IT**  
1" = 20'-0"

Revisions:	3	03/12/2024	ADDENDUM 3
	NUMBER	DATE	DESCRIPTION
Issue Date:	FEBRUARY 8, 2024		

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### SITE PLAN - IT

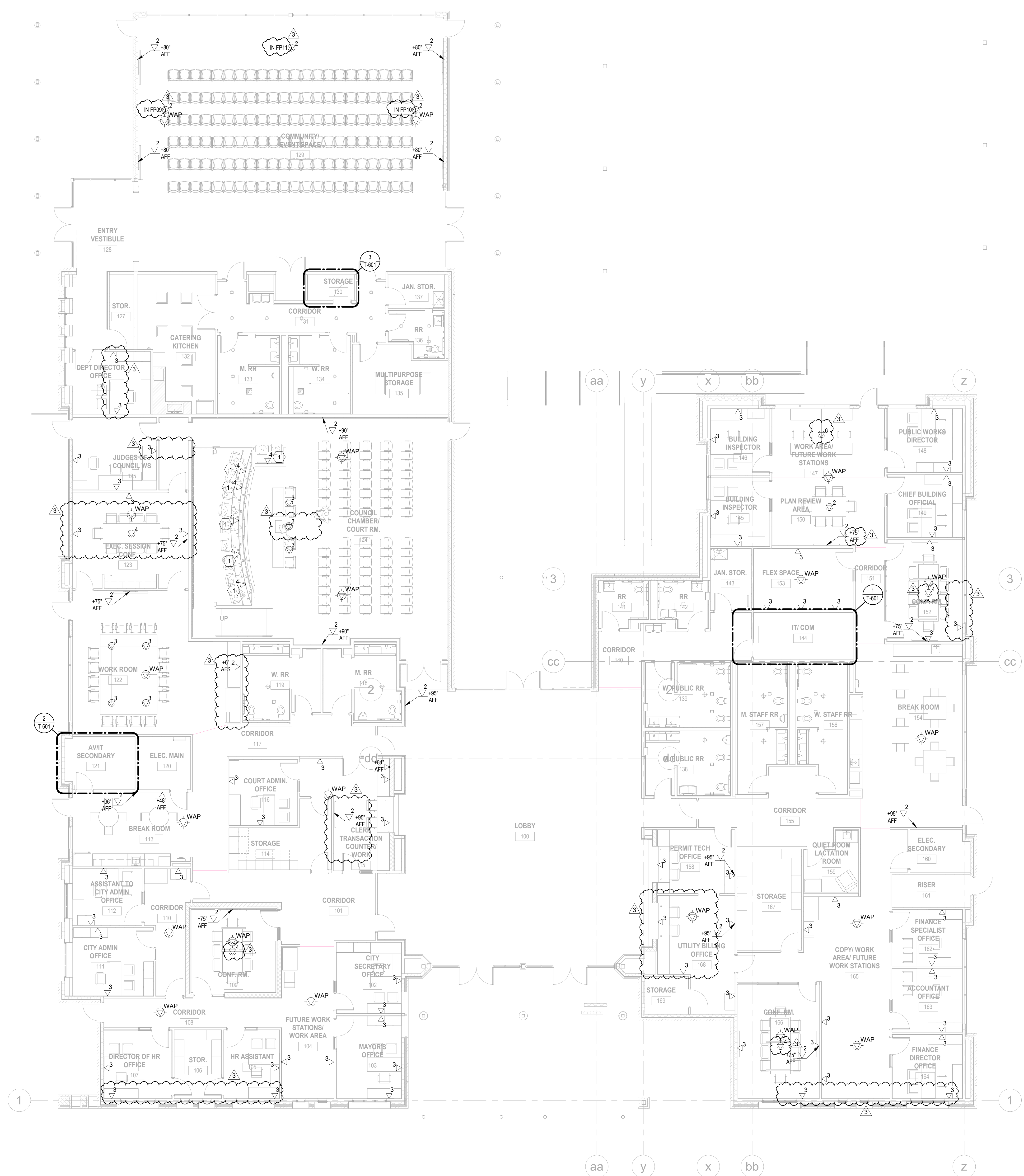
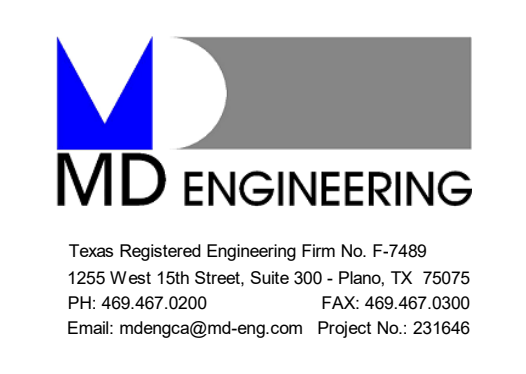
Project No.	T-100
23046	

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KEYNOTES	
1	(4) DATA DROPS AT TABLE POCKETS. RE: AV PLANS AND DETAILS.



Lexington Cincinnati Cleveland Dallas Charleston



**1 FLOOR PLAN - LEVEL 1 - IT**  
1/8" = 1'-0"

Revisions:	NUMBER	DATE	DESCRIPTION
	3	03/12/2024	ADDENDUM 3
			Issue Date: FEBRUARY 8, 2024

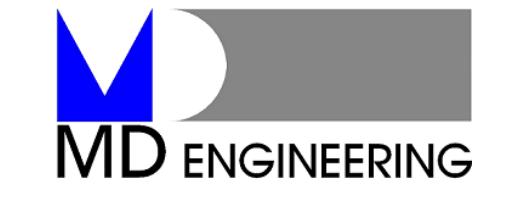
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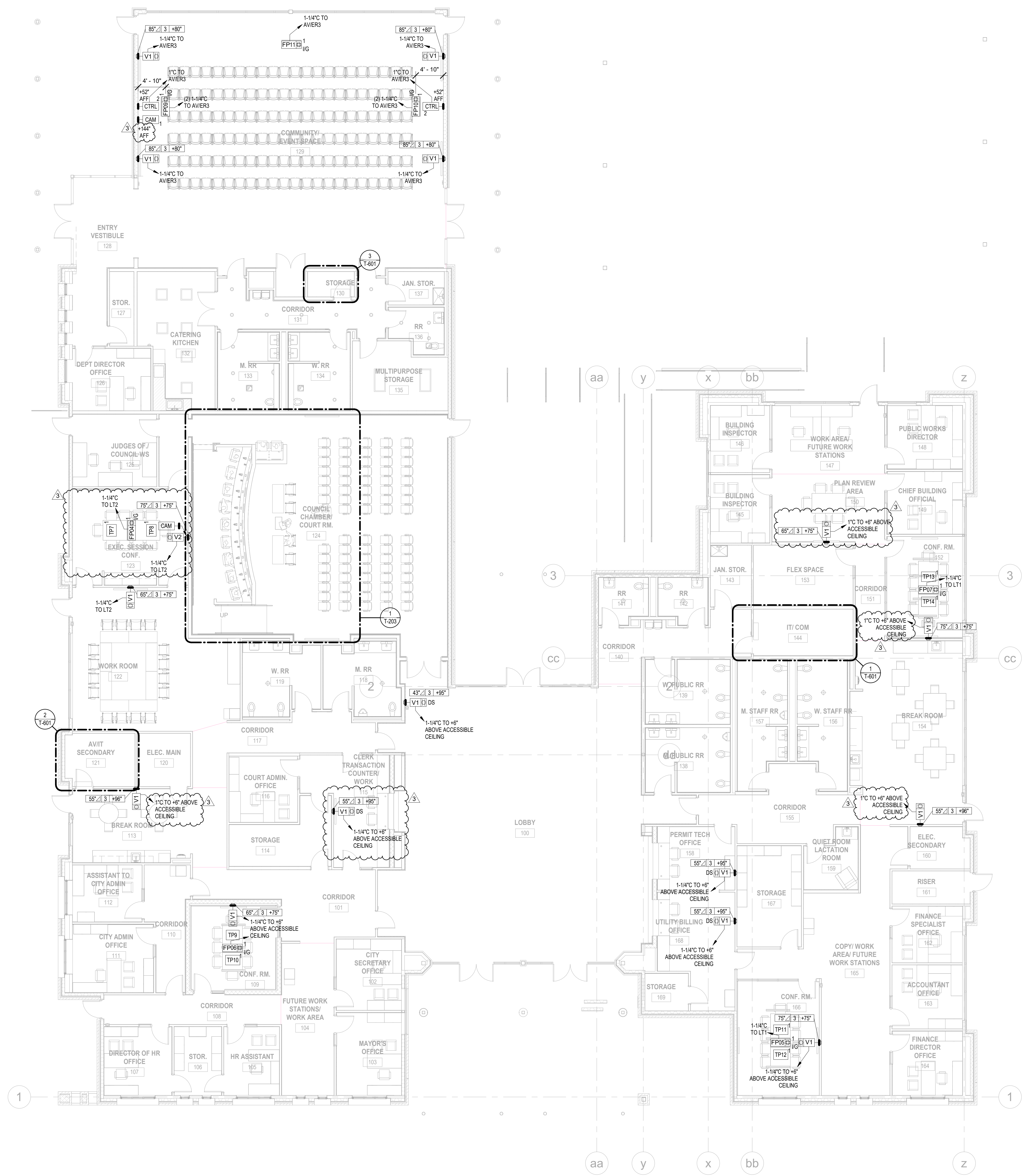
### FLOOR PLAN - IT

Project No.	T-201
23046	

Plotted 3/12/2024 10:32:22 AM



Texas Registered Engineering Firm No. F-7489  
1205 West 15th Street, Suite 300 - Plano, TX 75075  
PH: 469.487.0200 FAX: 469.487.0200  
Email: mdring@md-eng.com Project No: 231646



**1 FLOOR PLAN - LEVEL 1 - AV**  
1/8" = 1'-0"

Revisions:	NUMBER	DATE	DESCRIPTION
	3	03/12/2024	ADDENDUM 3
			Issue Date: FEBRUARY 8, 2024

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### FLOOR PLAN - AV

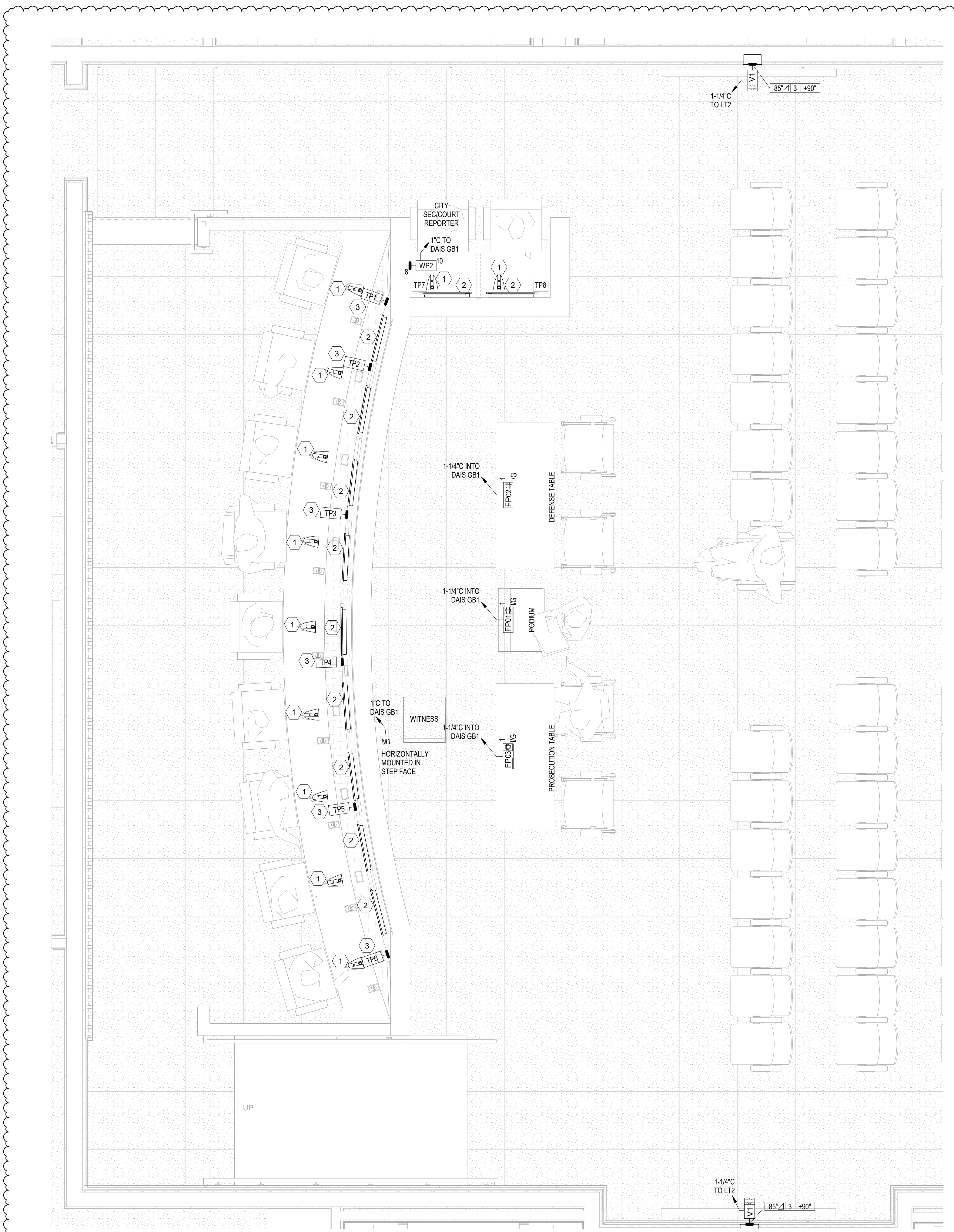
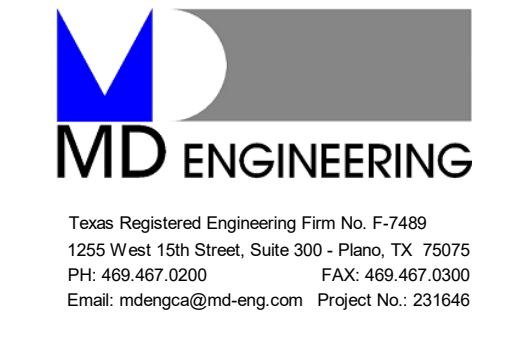
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23046	

Plotted 3/12/2024 10:32:24 AM

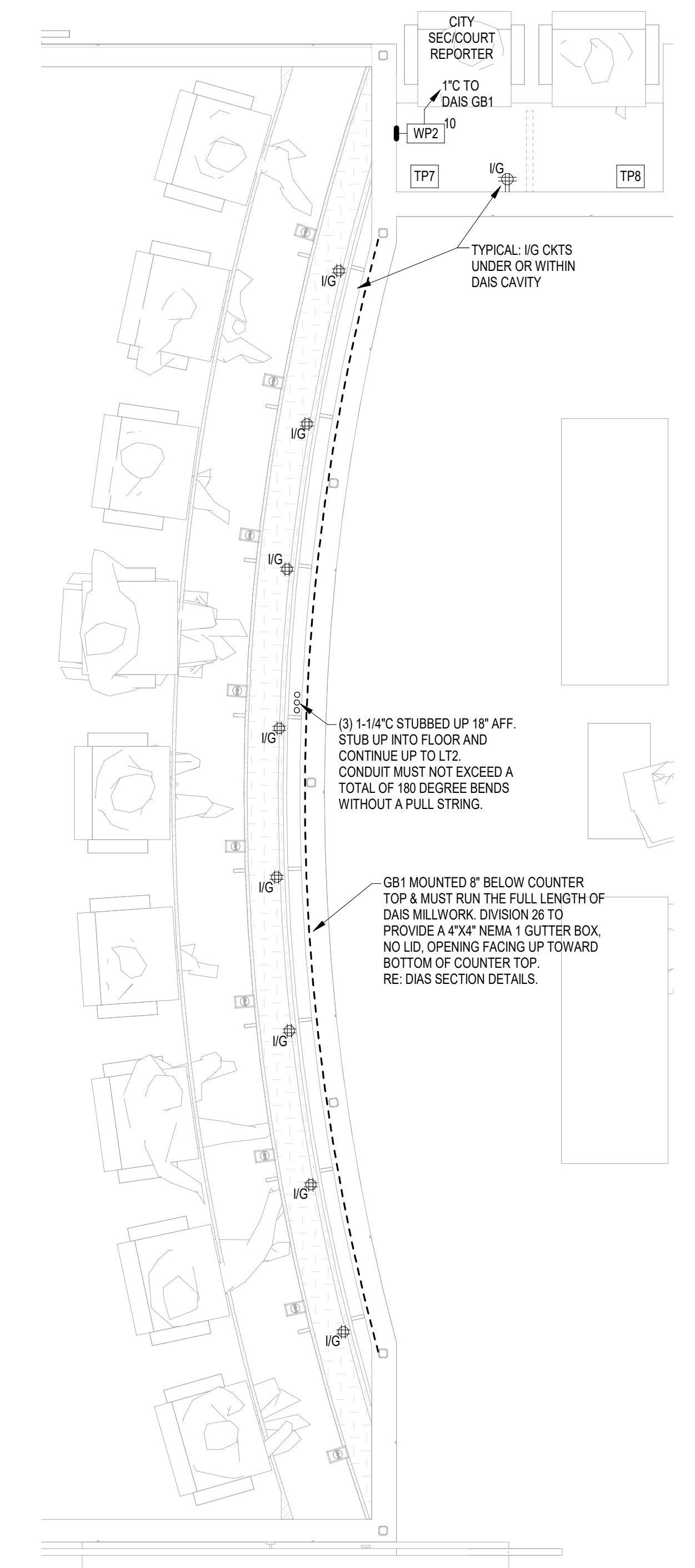
KEYNOTES	
1	MICROPHONE WITH COUGH SWITCH. RE: DETAILS.
2	22" LED HD VIDEO MONITOR ON SWIVEL MOUNT. RE: DETAILS.
3	TABLE POCKET WITH POWER, USB, DATA AND "PUSH-TO-VOTE" BUTTON. RE: DETAILS.



Lexington Cincinnati Cleveland Dallas Charleston



**1 ENLARGED PLAN - COUNCIL CHAMBER/COURT RM. 124**  
1/2" = 1'-0"



**2 ENLARGED PLAN - COUNCIL DAIS INFRASTRUCTURE**  
1/2" = 1'-0"

Revisions:	NUMBER	DATE	DESCRIPTION
	3	03/12/2024	ADDENDUM 3
Issue Date:	FEBRUARY 8, 2024		

### Hutchins City Hall

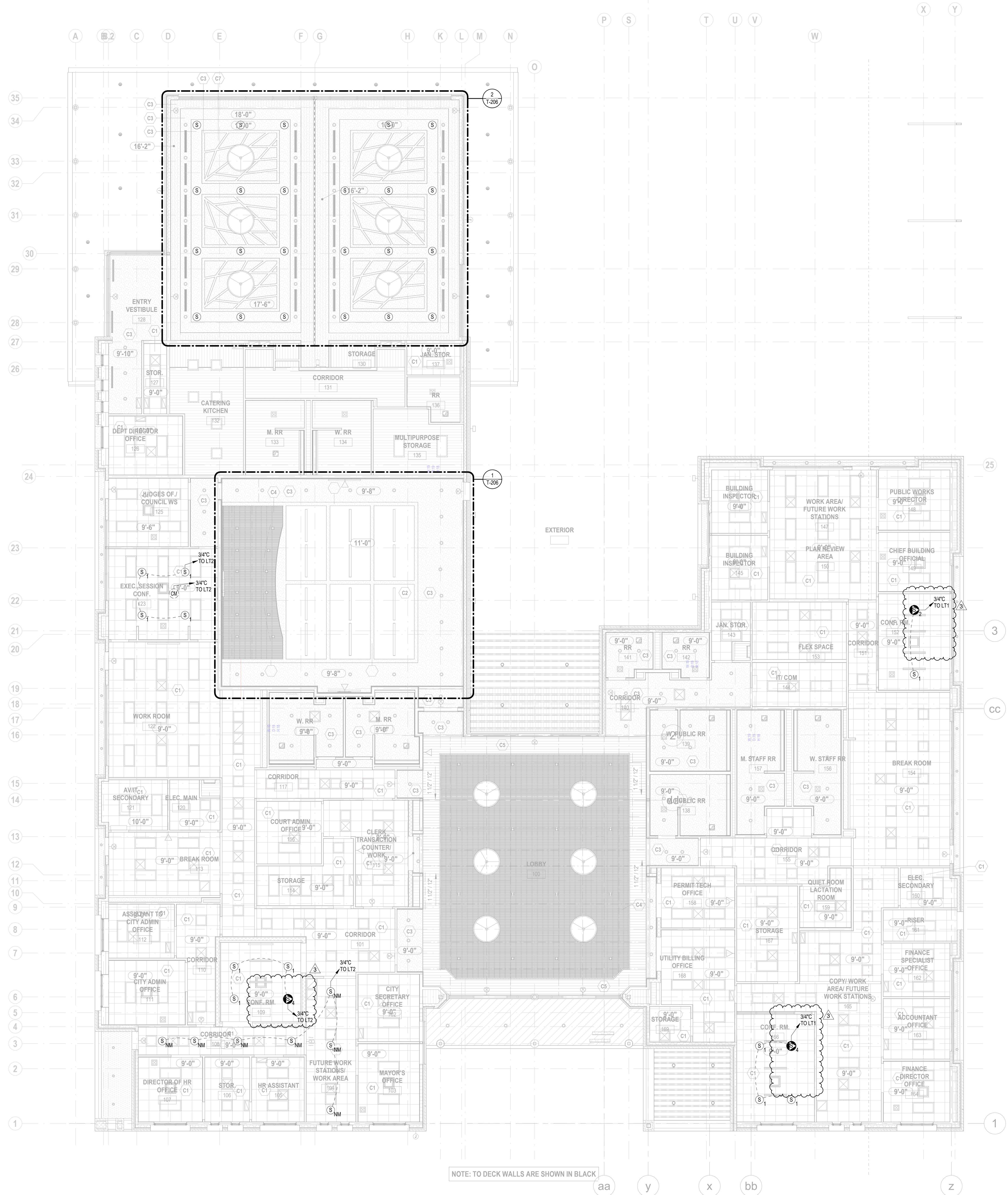
400 N. JJ Lemon Rd.  
Hutchins, TX 75141

### ENLARGED PLANS - AV

Project No.	T-203
23046	



Plotted 3/12/2024 10:32:26 AM



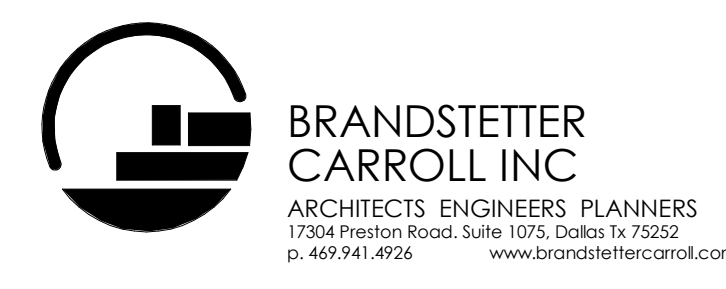
KEYNOTES	
1	ANTENNA ("X") TO BE MOUNTED 12" AFC.
2	PROVIDE (1) 1-1/4" C TO MDF LADDER TRAY AND (1) 2" C TO SOUNDBOOTH.
3	SUB BUNKER W/ CEMENT BLOCK WALLS UNDER STAGE.

LEGEND	
S1	CEILING-MOUNTED LOUDSPEAKER, DESONO #DX-IC8-W, 350W @ 8 OHMS, 65-20KHZ
S2	CEILING-MOUNTED LOUDSPEAKER, DESONO #DX-IC10, 350W @ 8 OHMS, 65-20KHZ
S3	CEILING-MOUNTED SUBWOOFER LOUDSPEAKER, DESONO #DX-1C10-W, 40-200HZ, 200W @ 8 OHMS
CM	CEILING MICROPHONE

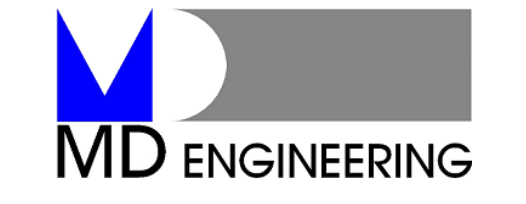
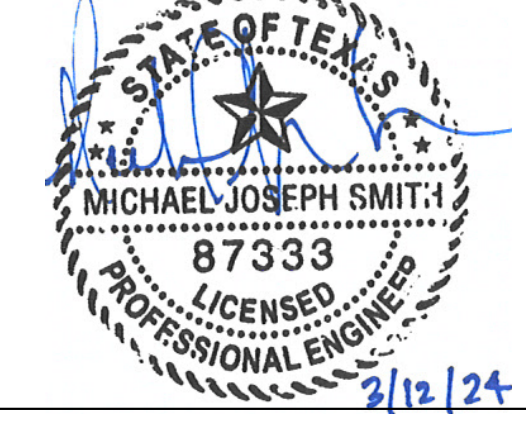
NOTE: TO DECK WALLS ARE SHOWN IN BLACK

# 1 REFLECTED CEILING PLAN - LEVEL 1 - AV

1/8" = 1'-0"



Lexington Cincinnati Cleveland Dallas Charleston



Texas Registered Engineering Firm No. F-7489  
1205 West 15th Street, Suite 300 - Plano, TX 75075  
PH: 469.487.0200 FAX: 469.487.0202  
Email: mdengr@md-eng.com Project No: 231646

Revisions:	NUMBER	DATE	DESCRIPTION
	3	03/12/2024	ADDENDUM 3
			Issue Date: FEBRUARY 8, 2024

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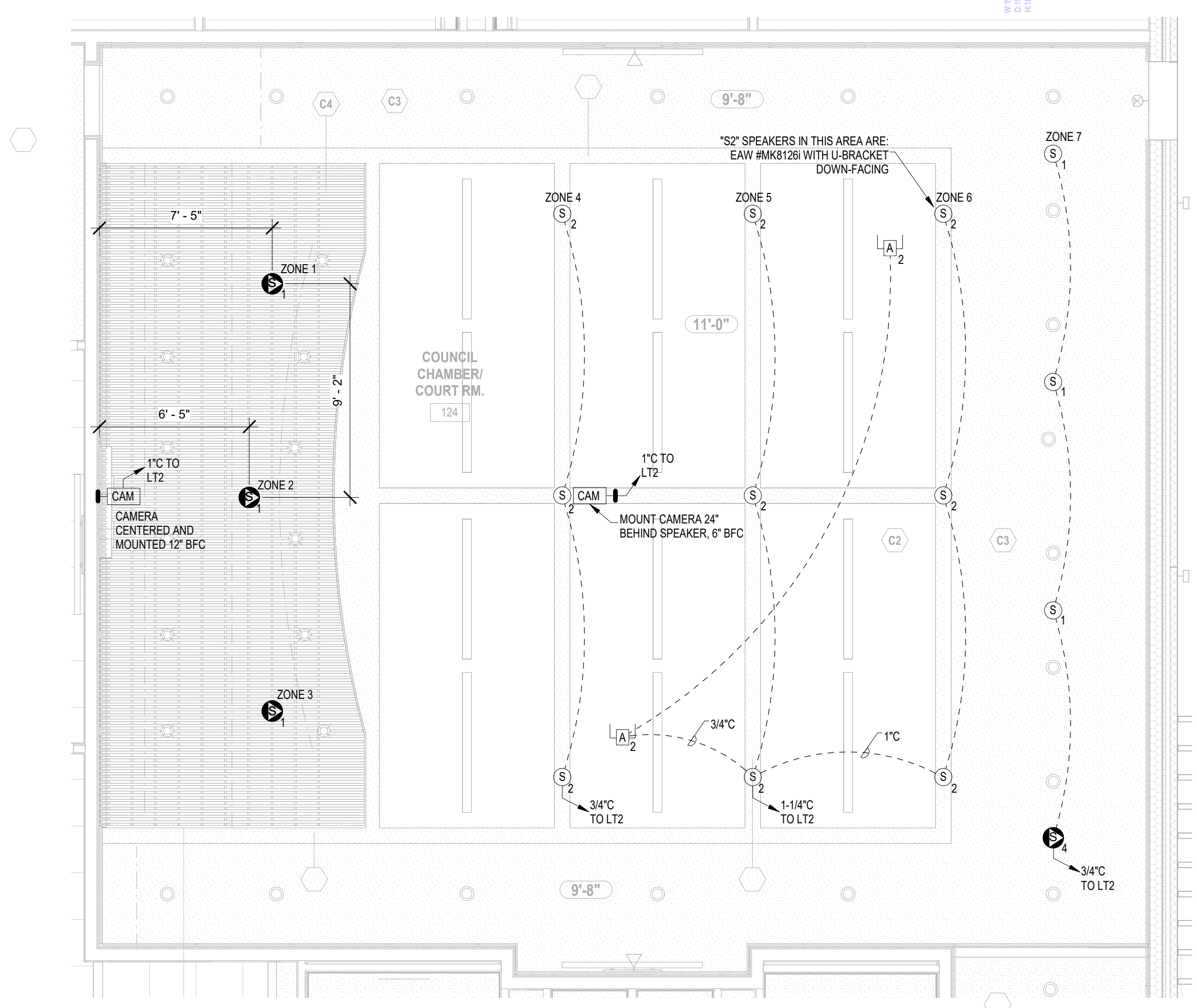
### REFLECTED CEILING PLAN - AV

Project No.

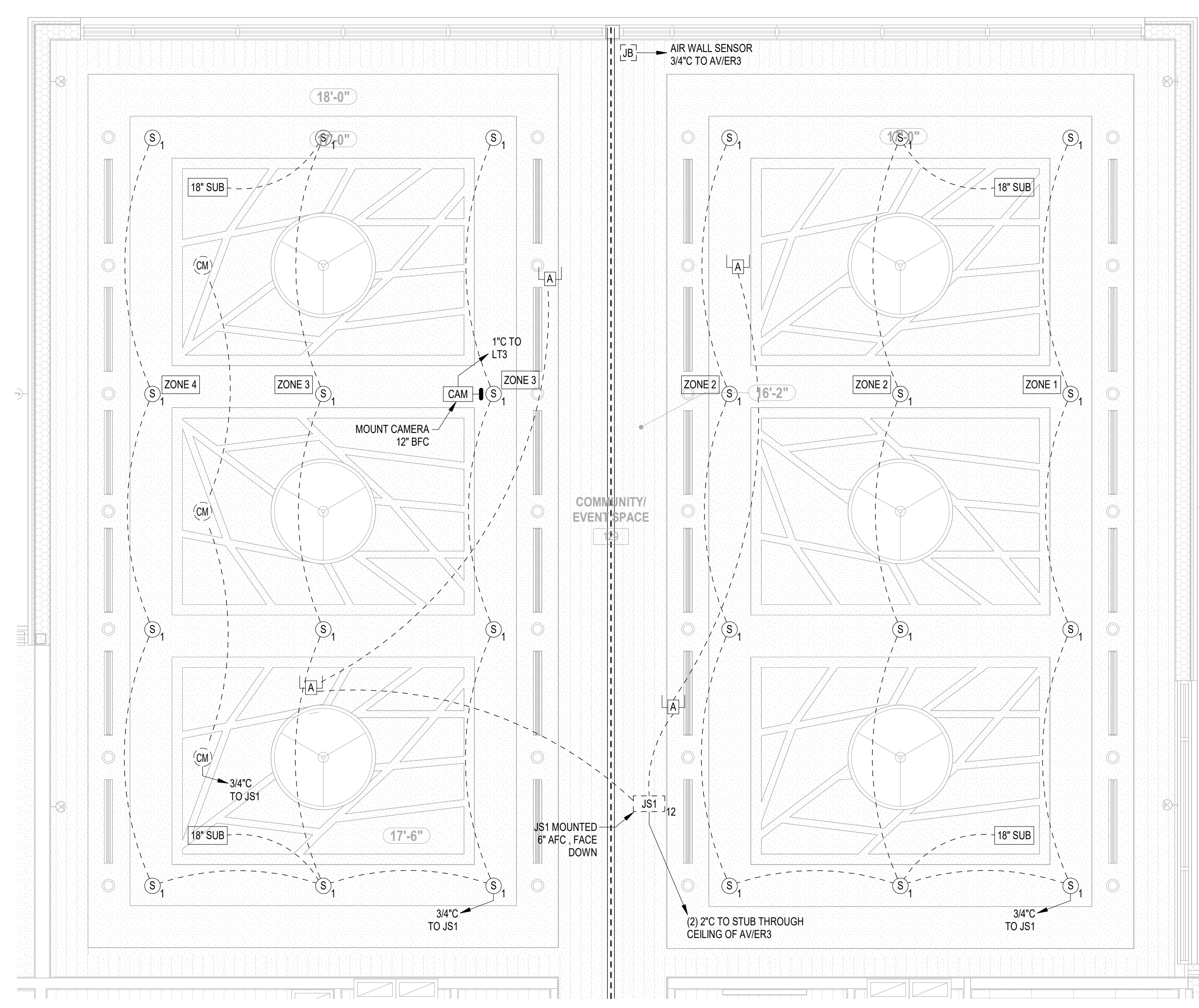
23046

T-205

Plotted 3/12/2024 10:32:28 AM



**1** ENLARGED REFLECTED CEILING PLAN - COUNCIL CHAMBER/COURT  
**RM. 124**  
1/4" = 1'-0"



**2** ENLARGED REFLECTED CEILING PLAN - COMMUNITY EVENT SPACE  
**129**  
1/4" = 1'-0"

Revisions:	NUMBER	DATE	DESCRIPTION
	3	03/12/2024	ADDENDUM 3
Issue Date:	FEBRUARY 8, 2024		

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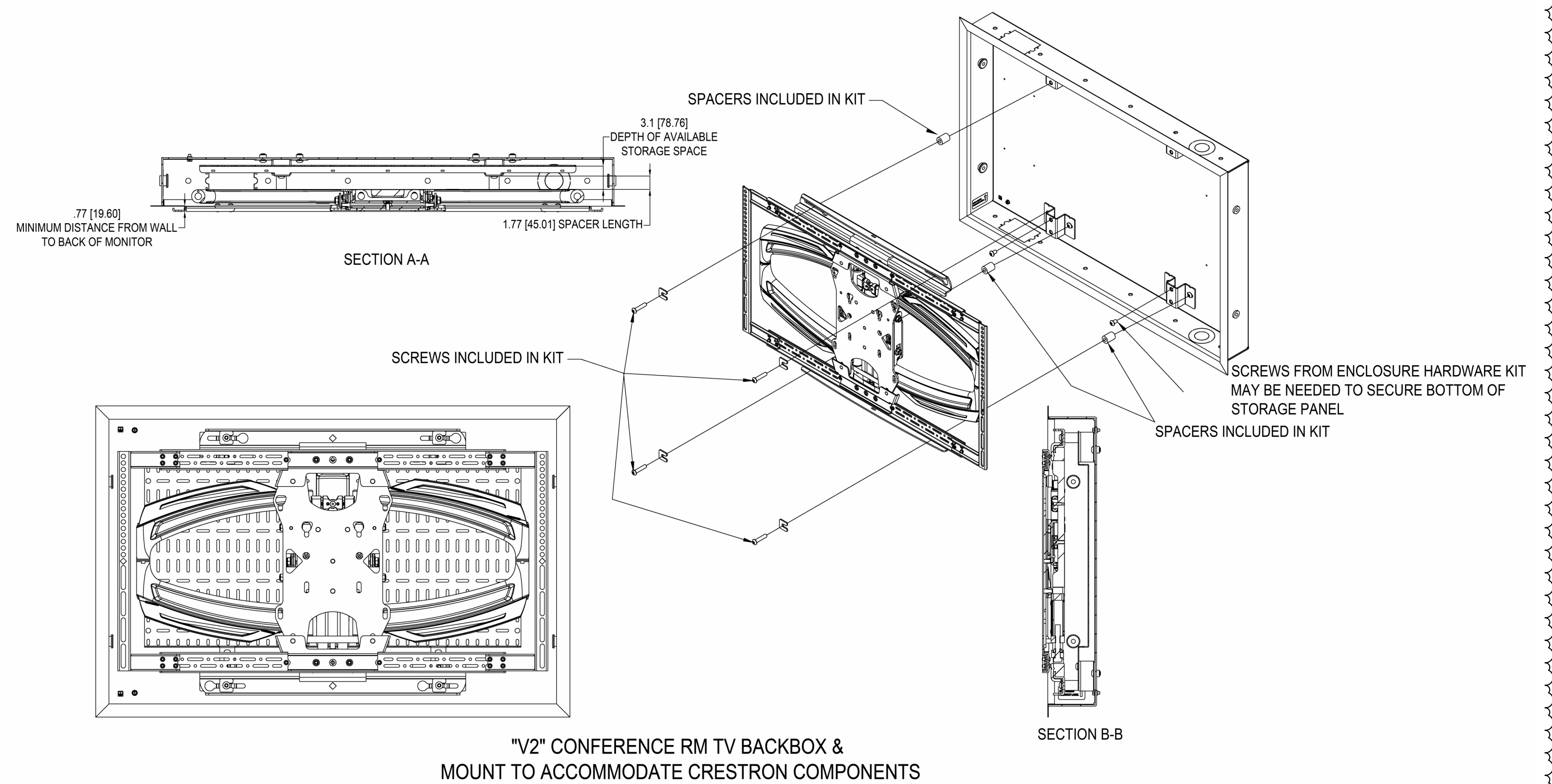
ENLARGED REFLECTED  
CEILING PLANS

Project No.

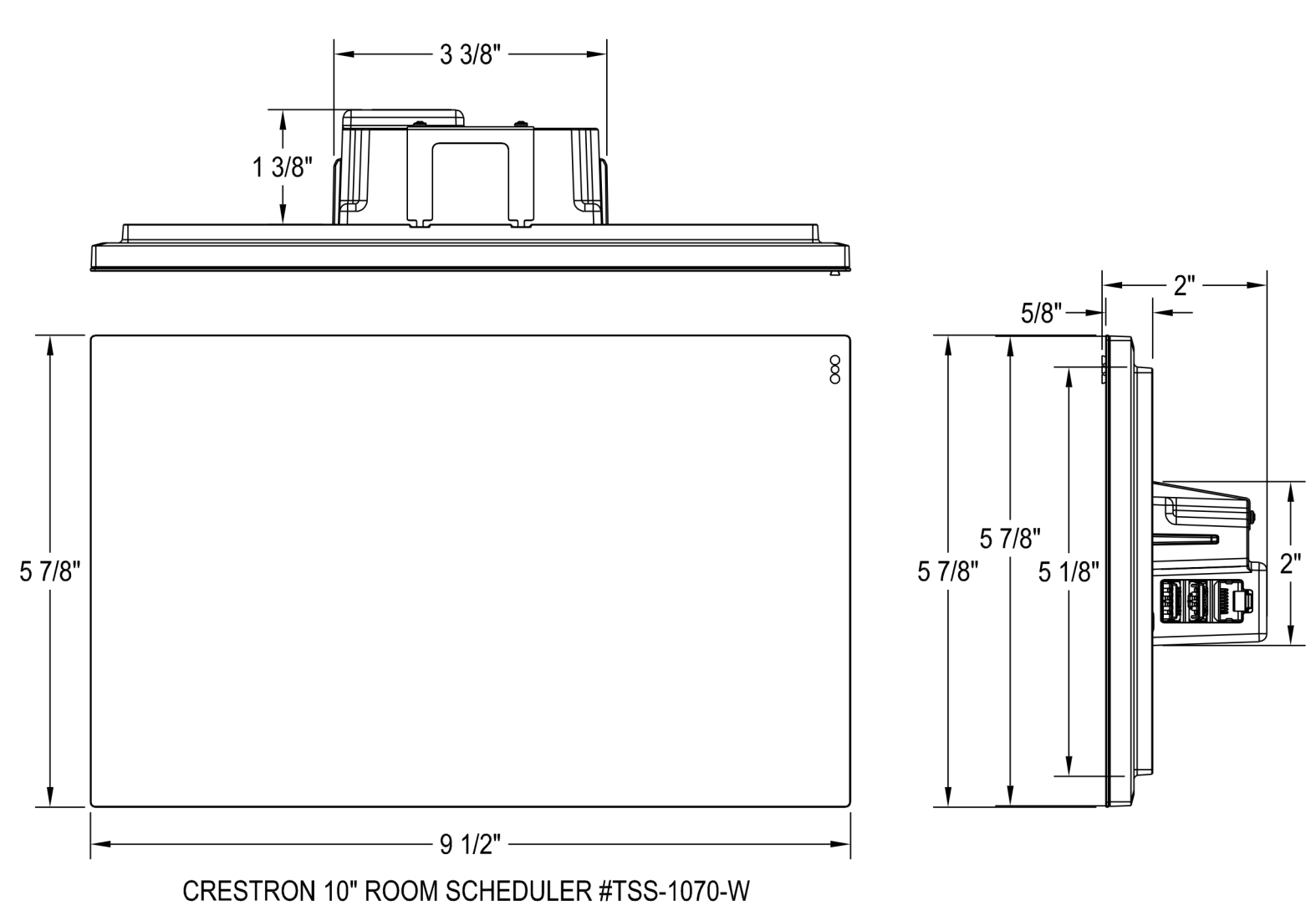
23046

T-206

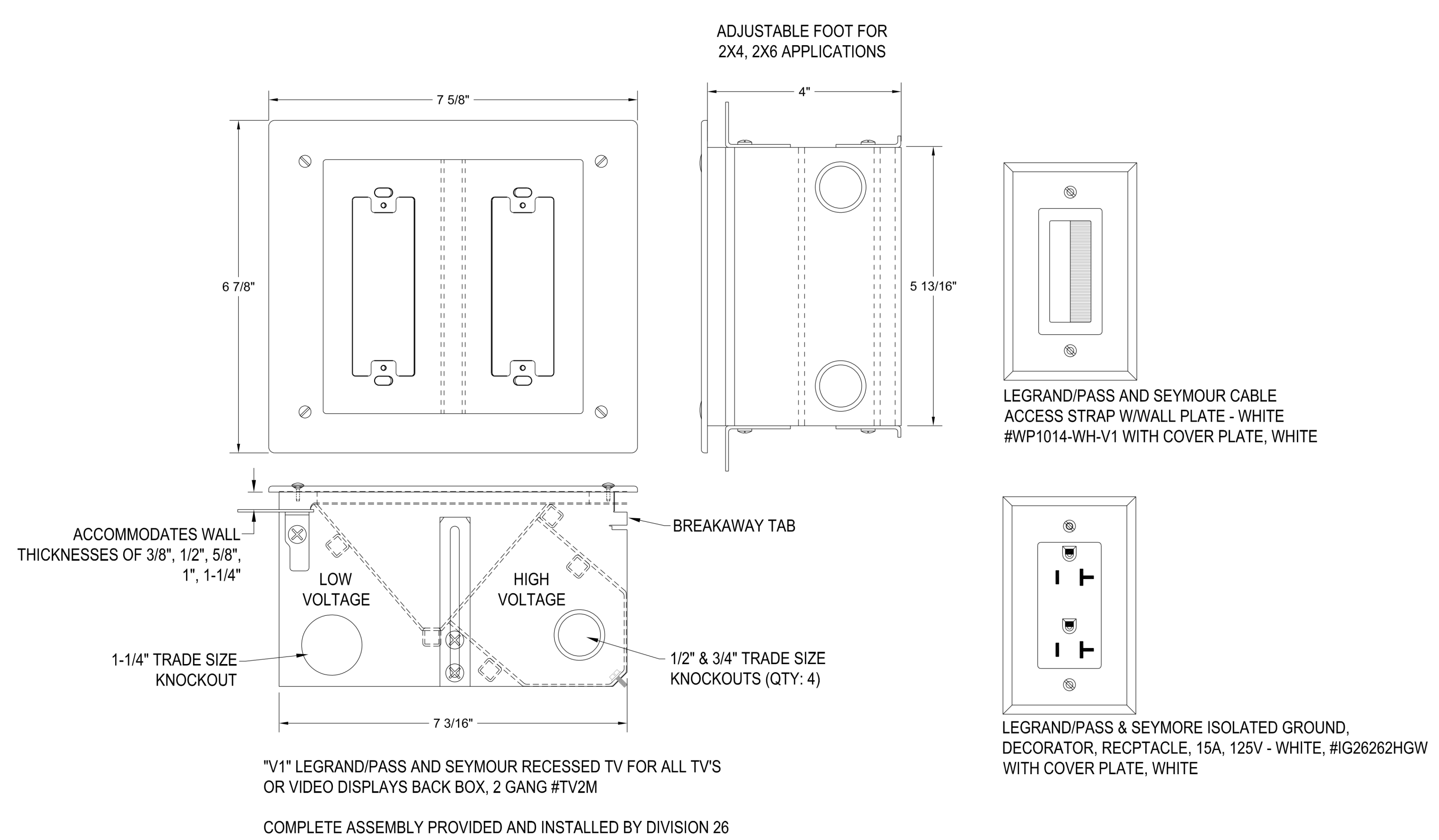
Plotted 3/12/2024 10:32:33 AM



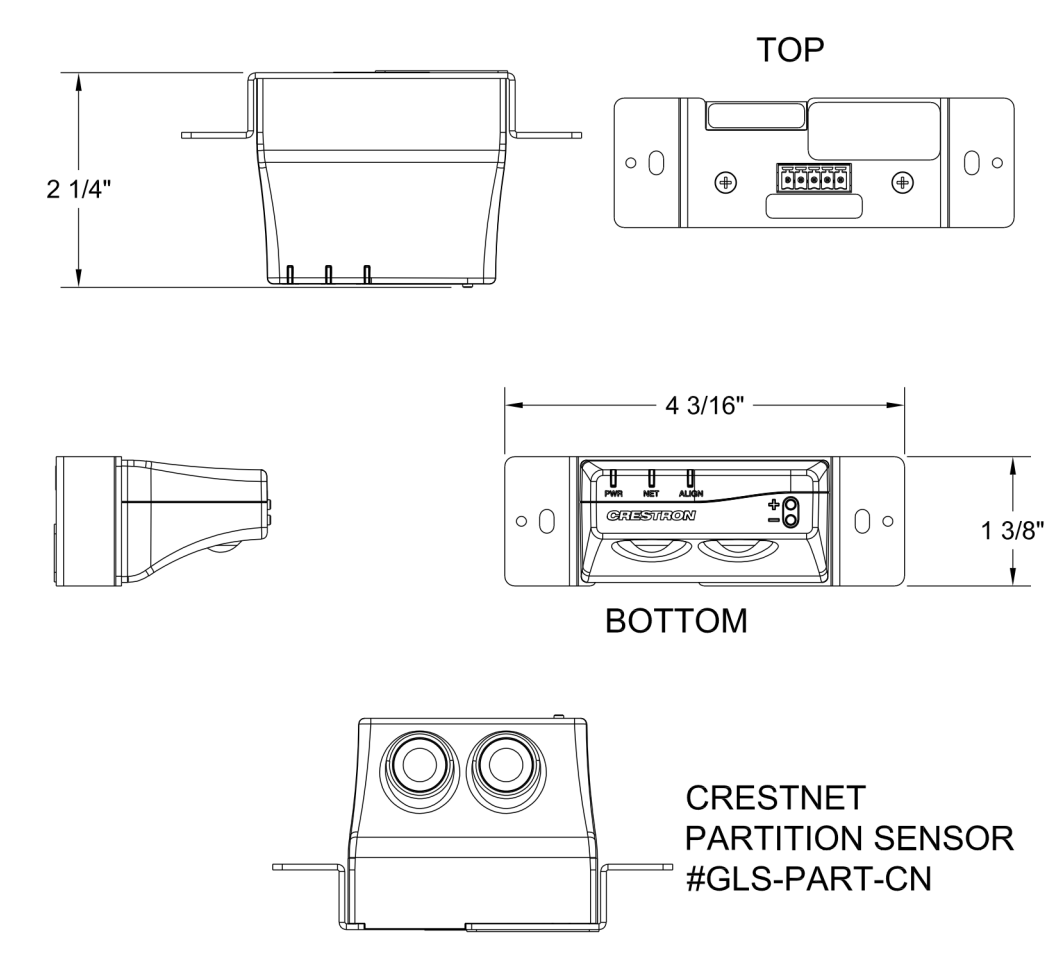
**5 "V2" CONFERENCE ROOM TV BACK BOX DETAIL**  
N.T.S.



**3 TOUCHSCREEN CONTROL PANEL DETAIL**  
N.T.S.



**1 "V1" BACKBOX DETAIL**  
N.T.S.

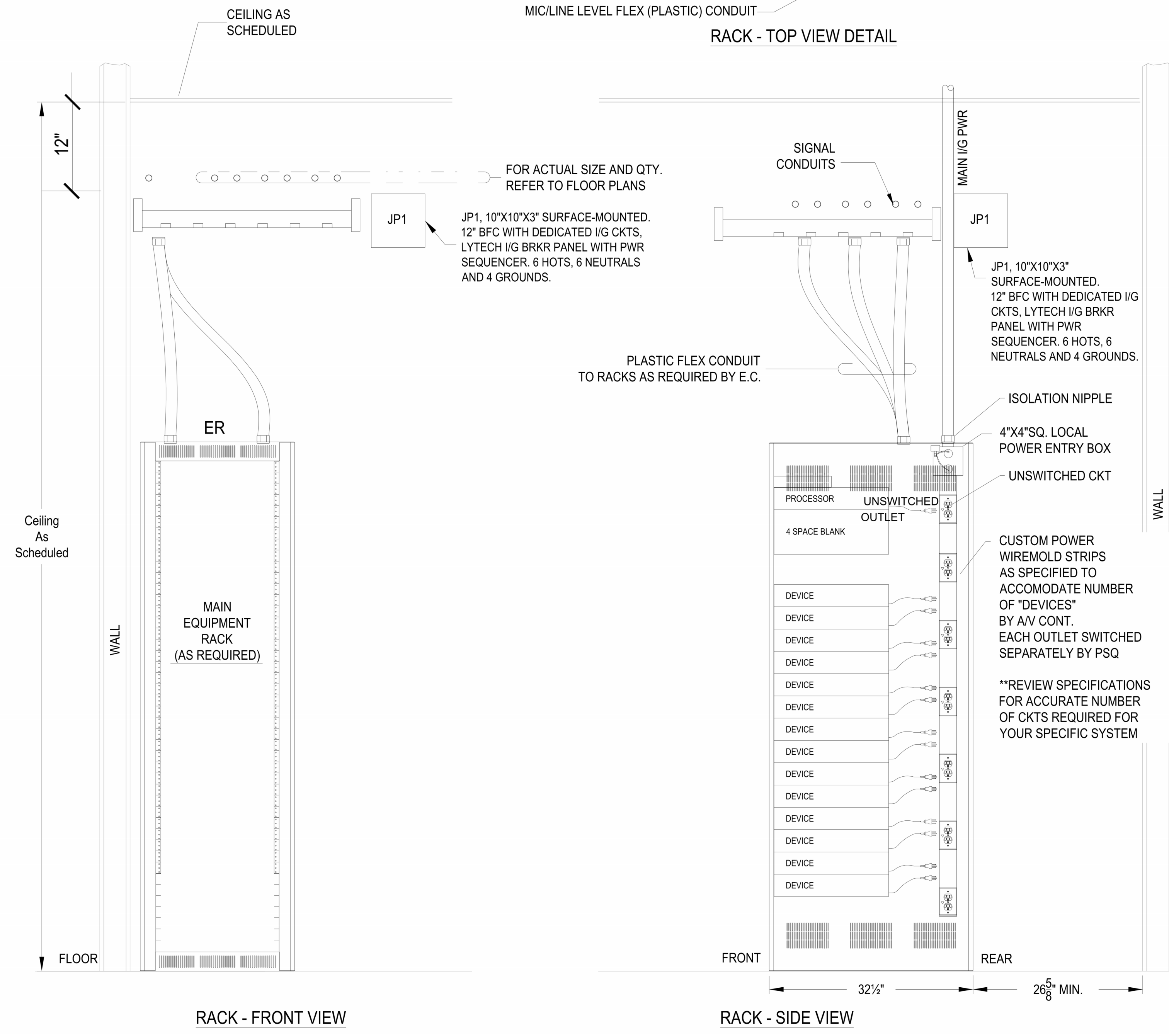
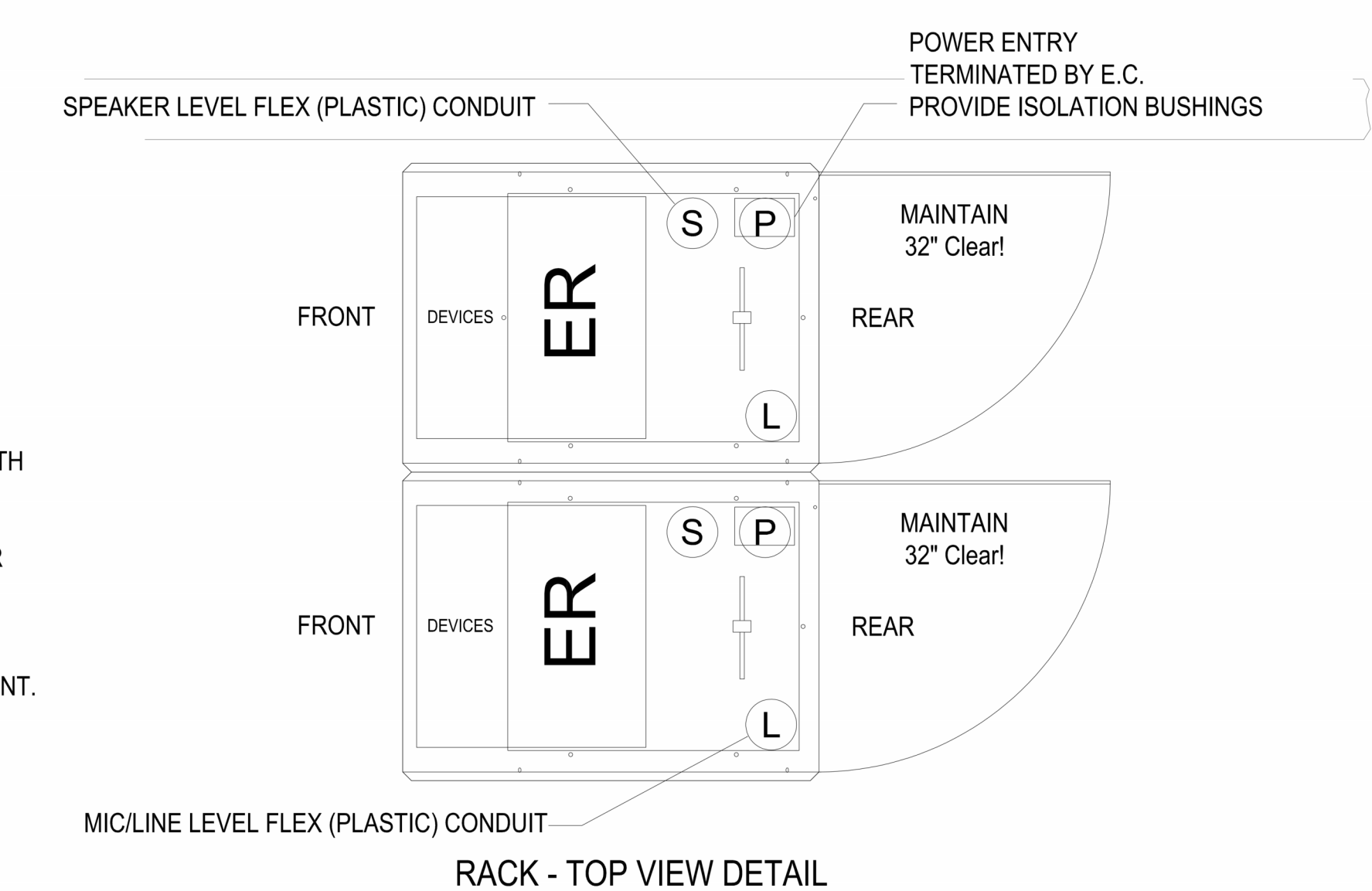


**4 AIR WALL SENSOR DETAIL**  
N.T.S.

**DRAWING SYMBOL LEGEND**

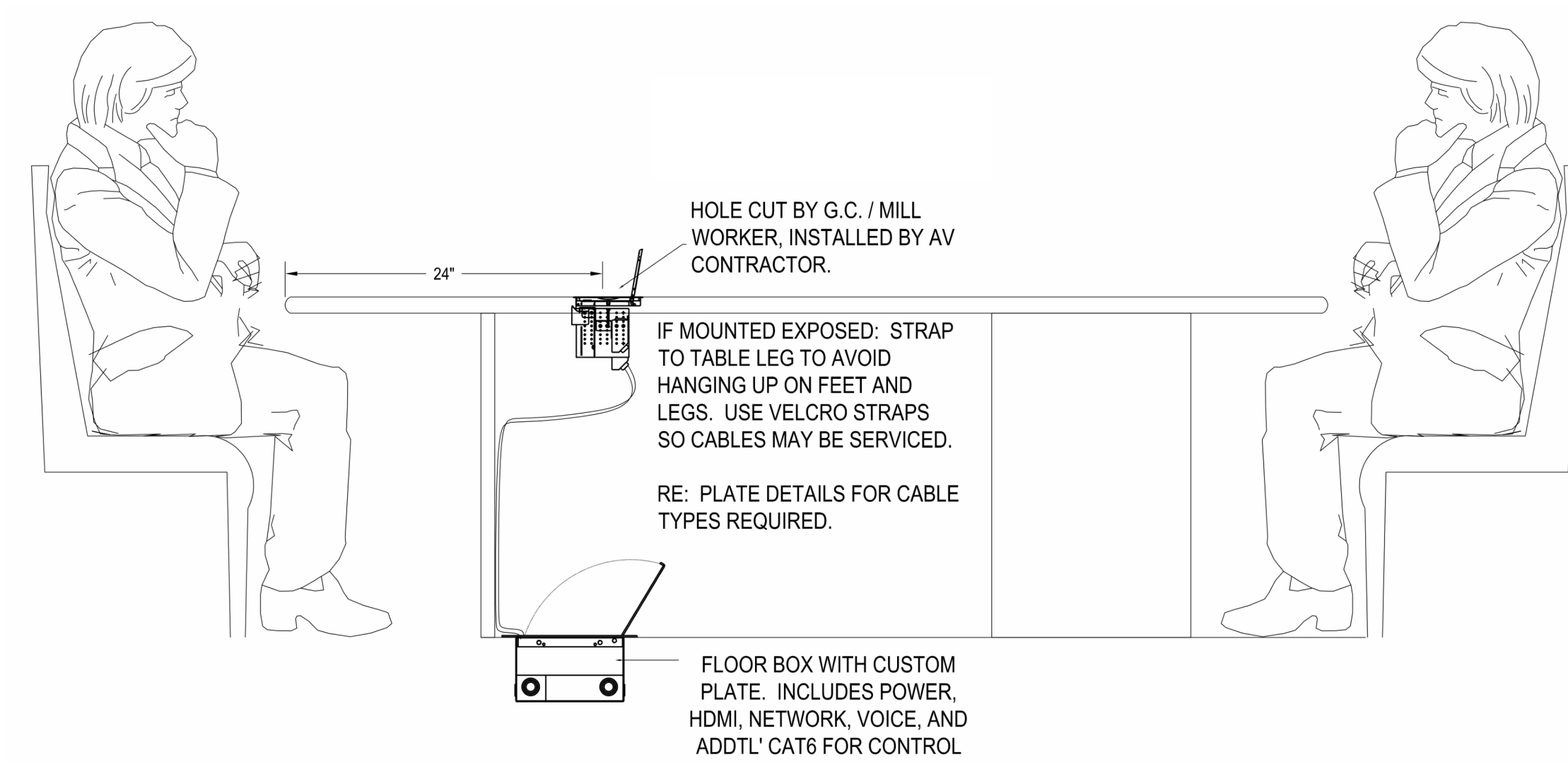
- P** = POWER LEVEL CONDUIT ENTRY LOCATION
- S** = SPEAKER LEVEL CONDUIT ENTRY LOCATION
- L** = LINE LEVEL CONDUIT ENTRY LOCATION

- NOTES:**
1. ALL AUDIO GROUNDING CONDUCTORS SHALL BE 10GA., STRANDED COPPER WITH GREEN/YELLOW STRIPE INSULATION (BLACK INSULATION MARKED W/ (GRN/YEL) STRIPE)
  2. GROUND BUSS BAR TO BE BOLTED DIRECTLY TO THE RACK FRAME USING STAR WASHERS AND LOCKING NUTS.
  3. PROVIDE ISOLATION BUSHINGS FOR ALL CONDUIT.
  4. ALL POWER DISTRIBUTION INSIDE RACKS BY A/V CONTRACTOR.
  5. QUANTITY OF RACKS SHOWN MAY DIFFER FROM ACTUAL PROJECT REQUIREMENT.

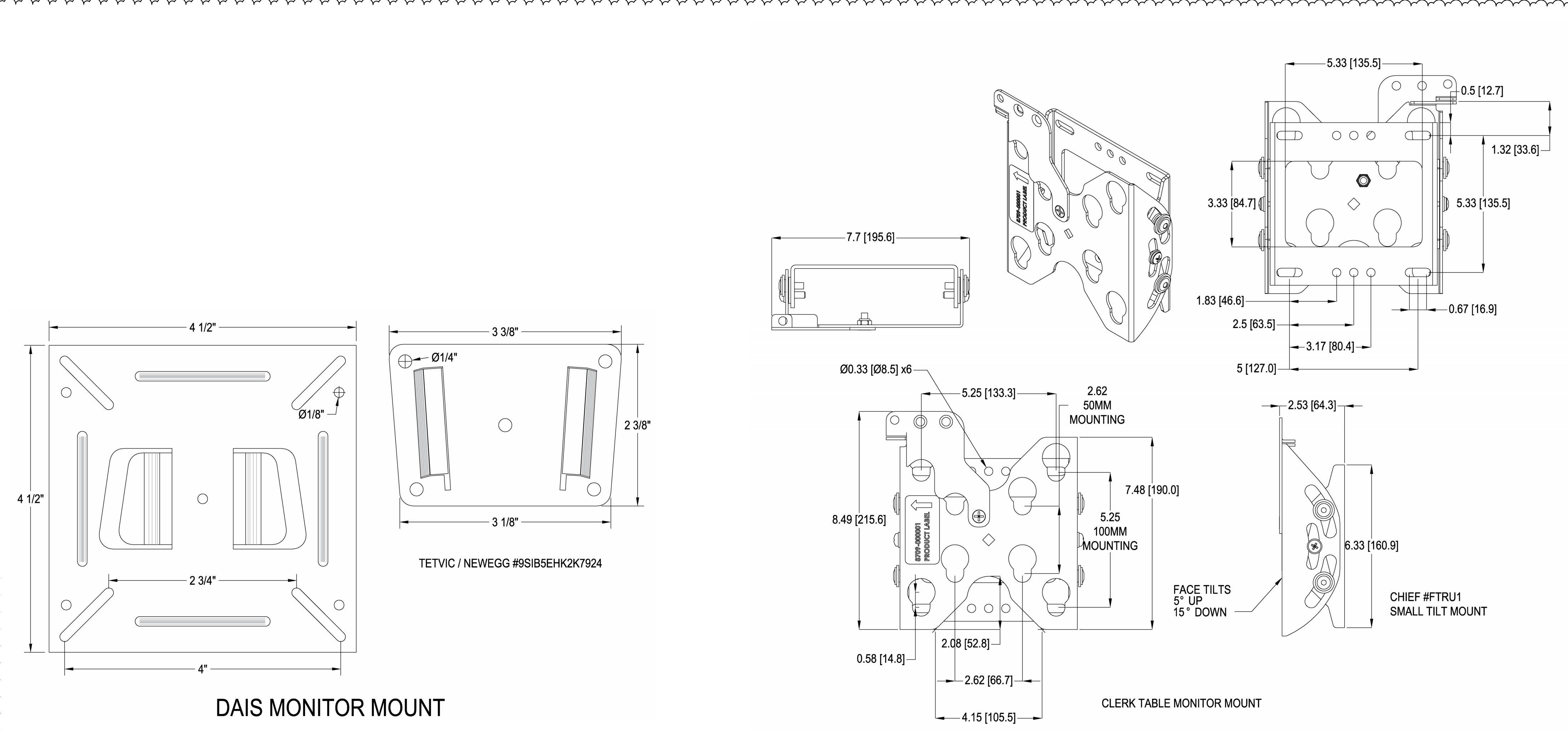


**2 EQUIPMENT RACK, CONDUIT AND POWER CONFIGURATION DETAIL**  
N.T.S.

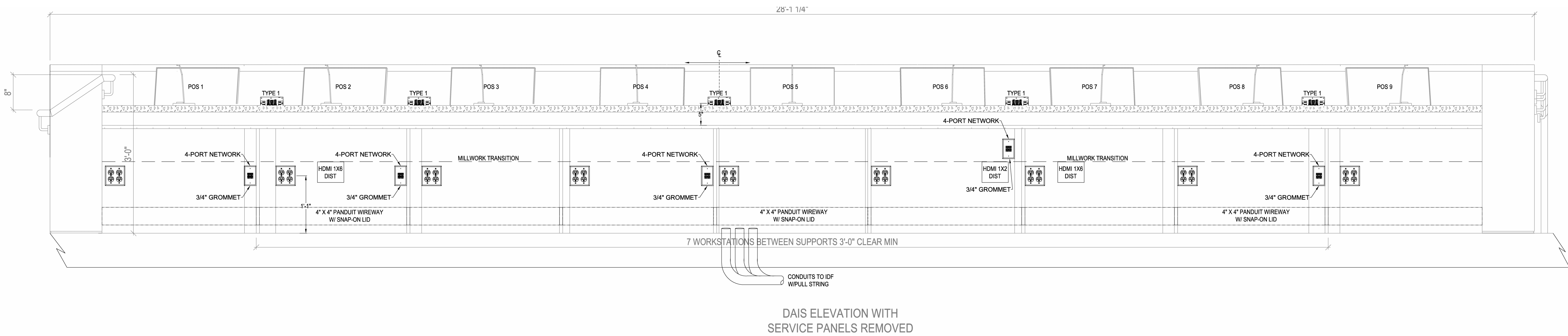
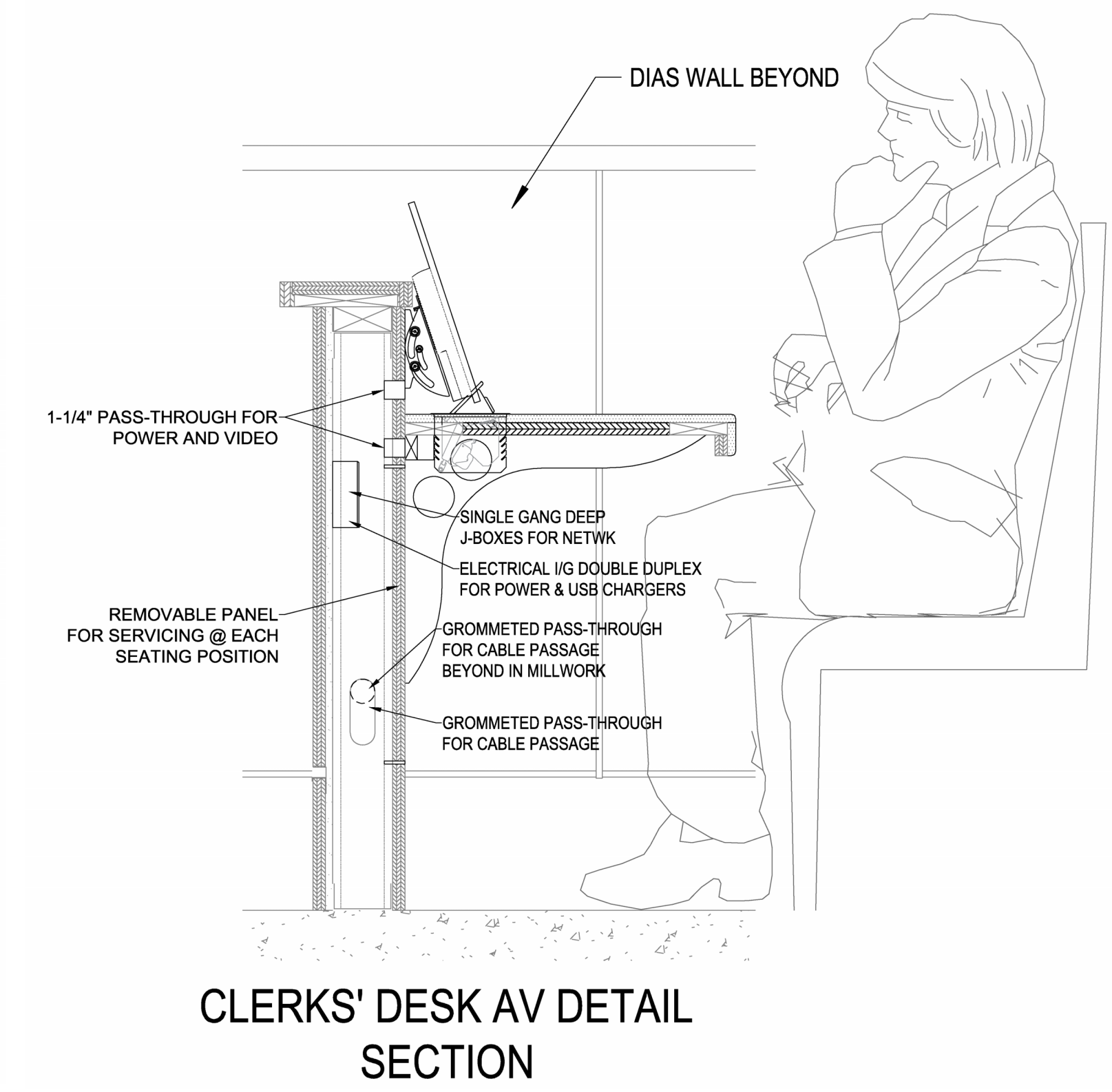
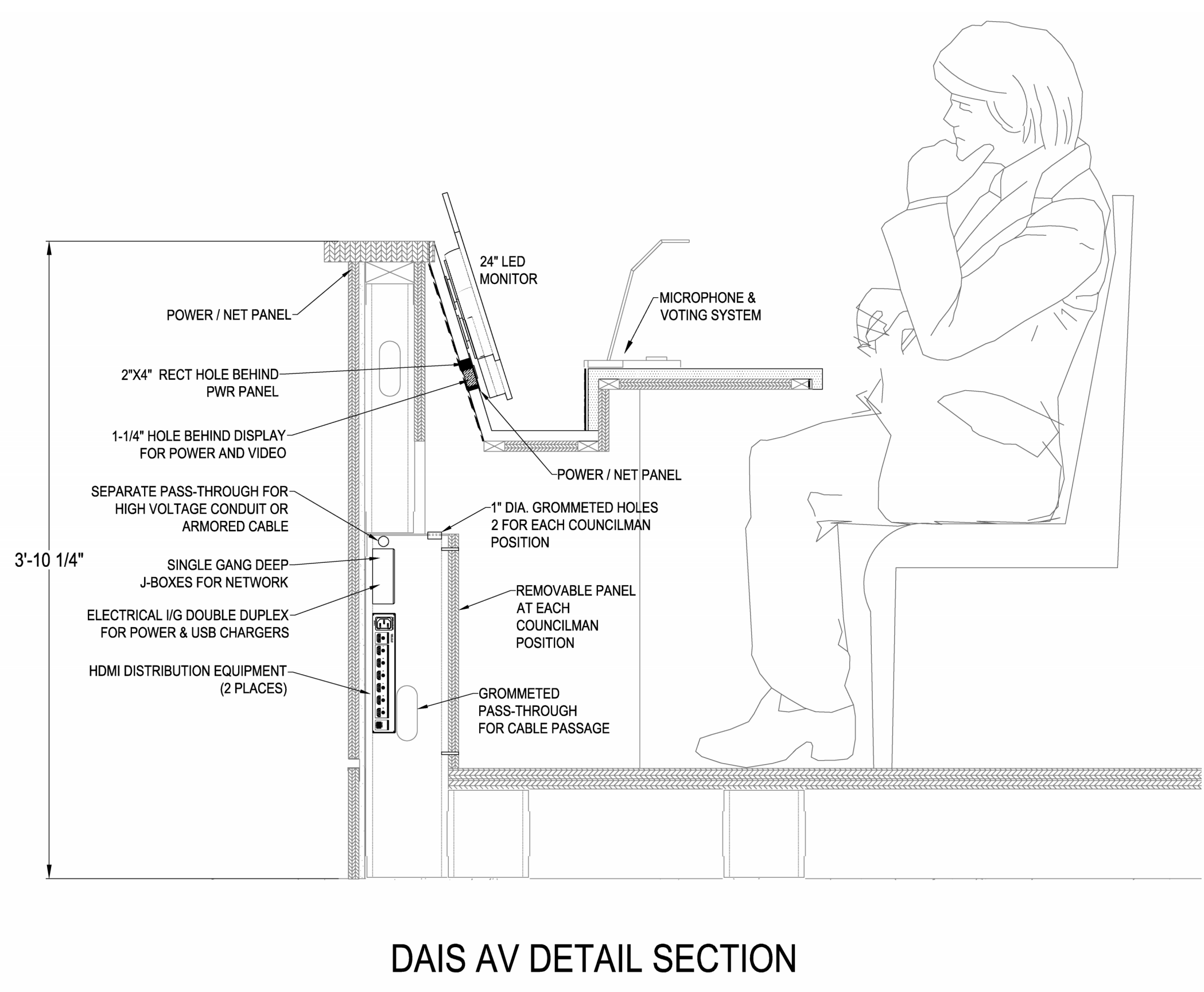
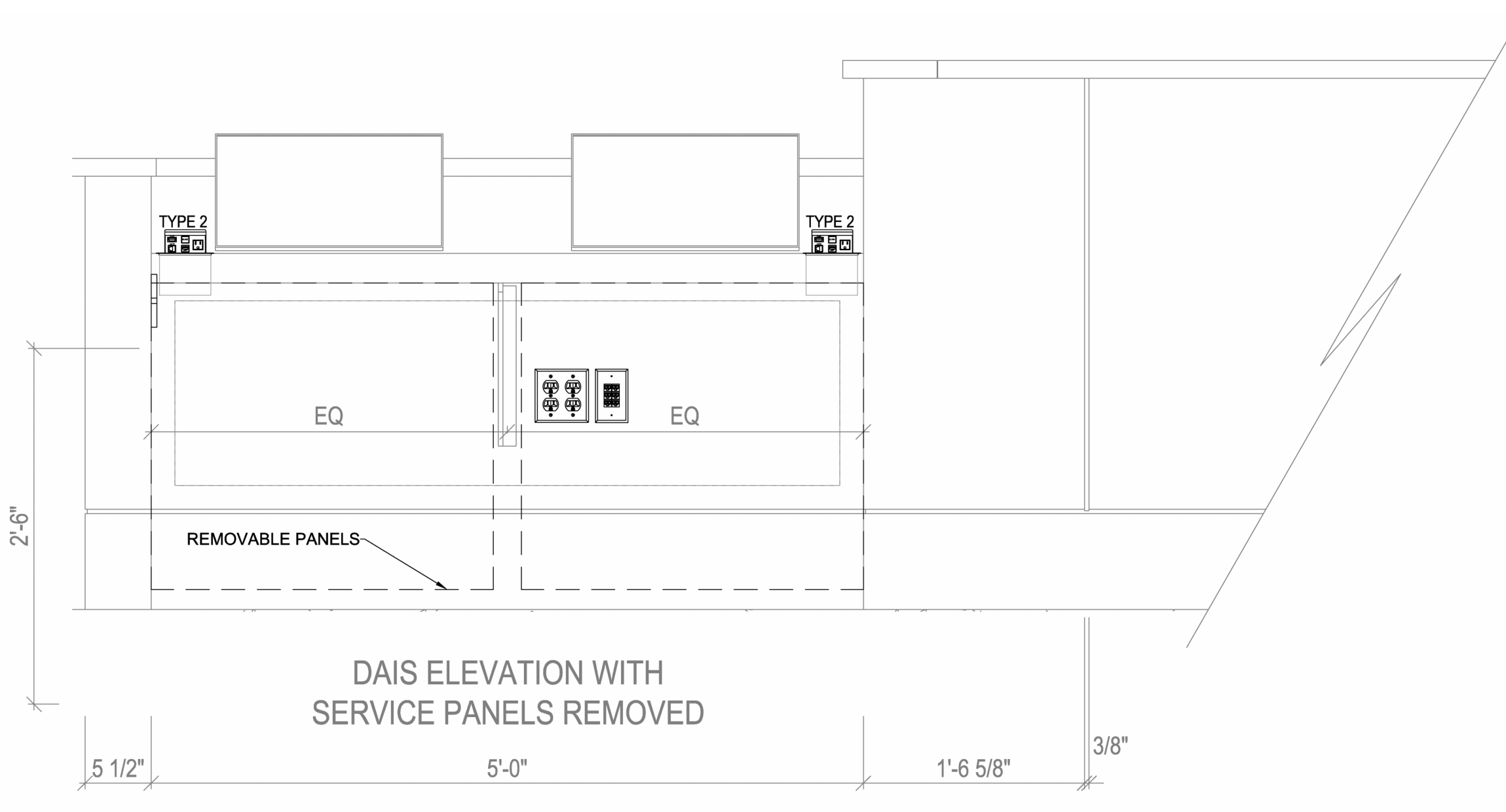
Plotted 3/12/2024 10:32:42 AM



**2 TYPICAL CONFERENCE TABLE DETAIL**  
N.T.S.



**3 BOARDROOM/COUNCIL MONITOR MOUNT DETAILS**  
N.T.S.



**1 BOARDROOM DAIS SECTIONS**  
1/2\"/>

Revisions: 3 03/12/2024 ADDENDUM 3  
NUMBER DATE DESCRIPTION  
Issue Date: FEBRUARY 8, 2024

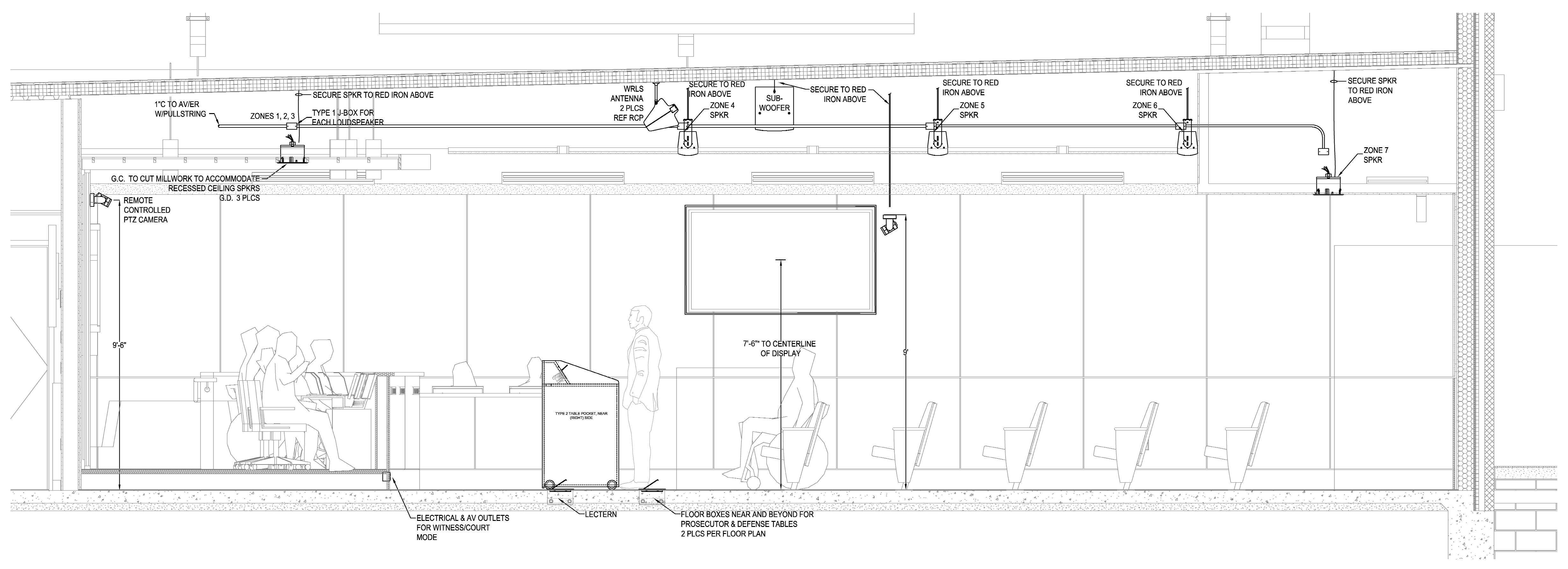
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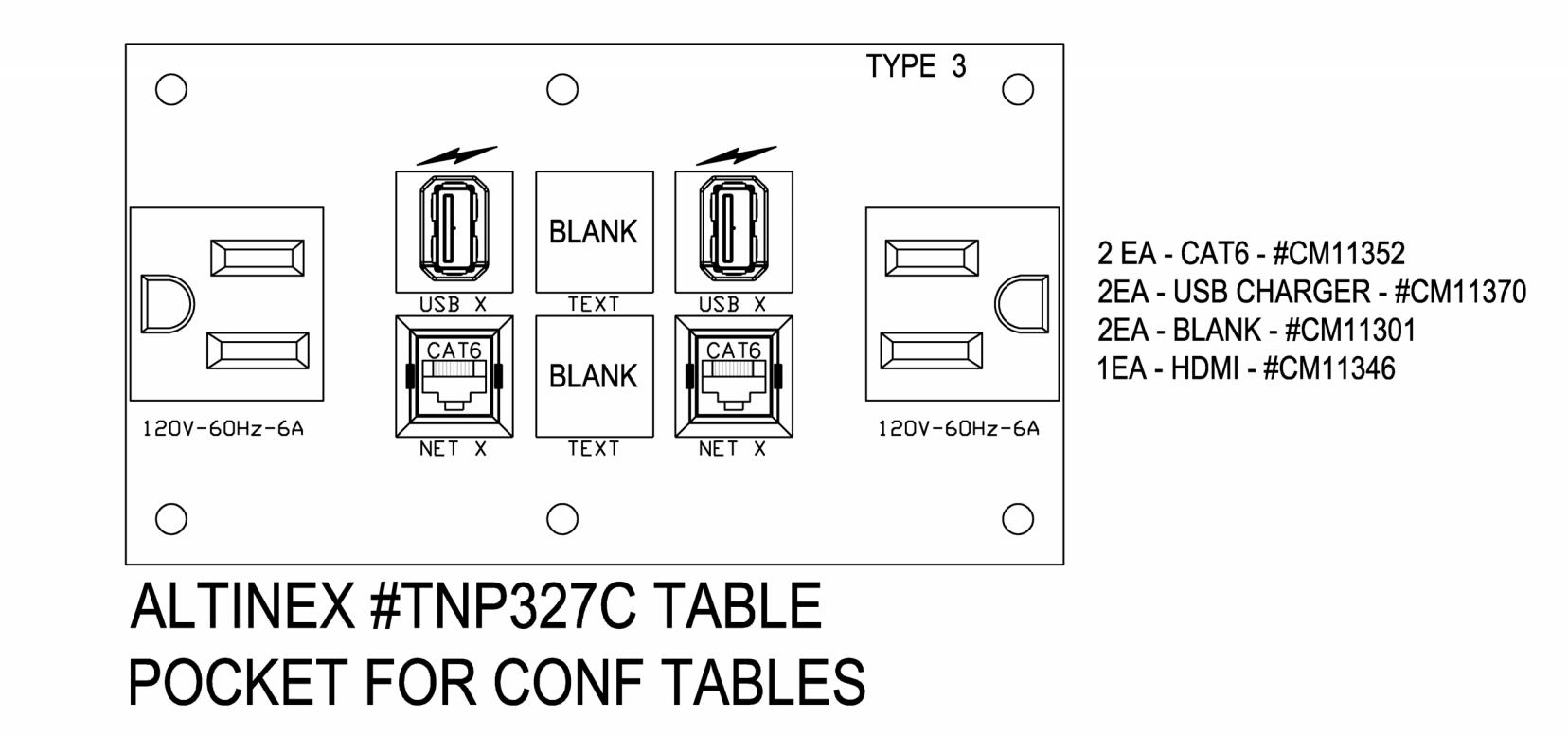
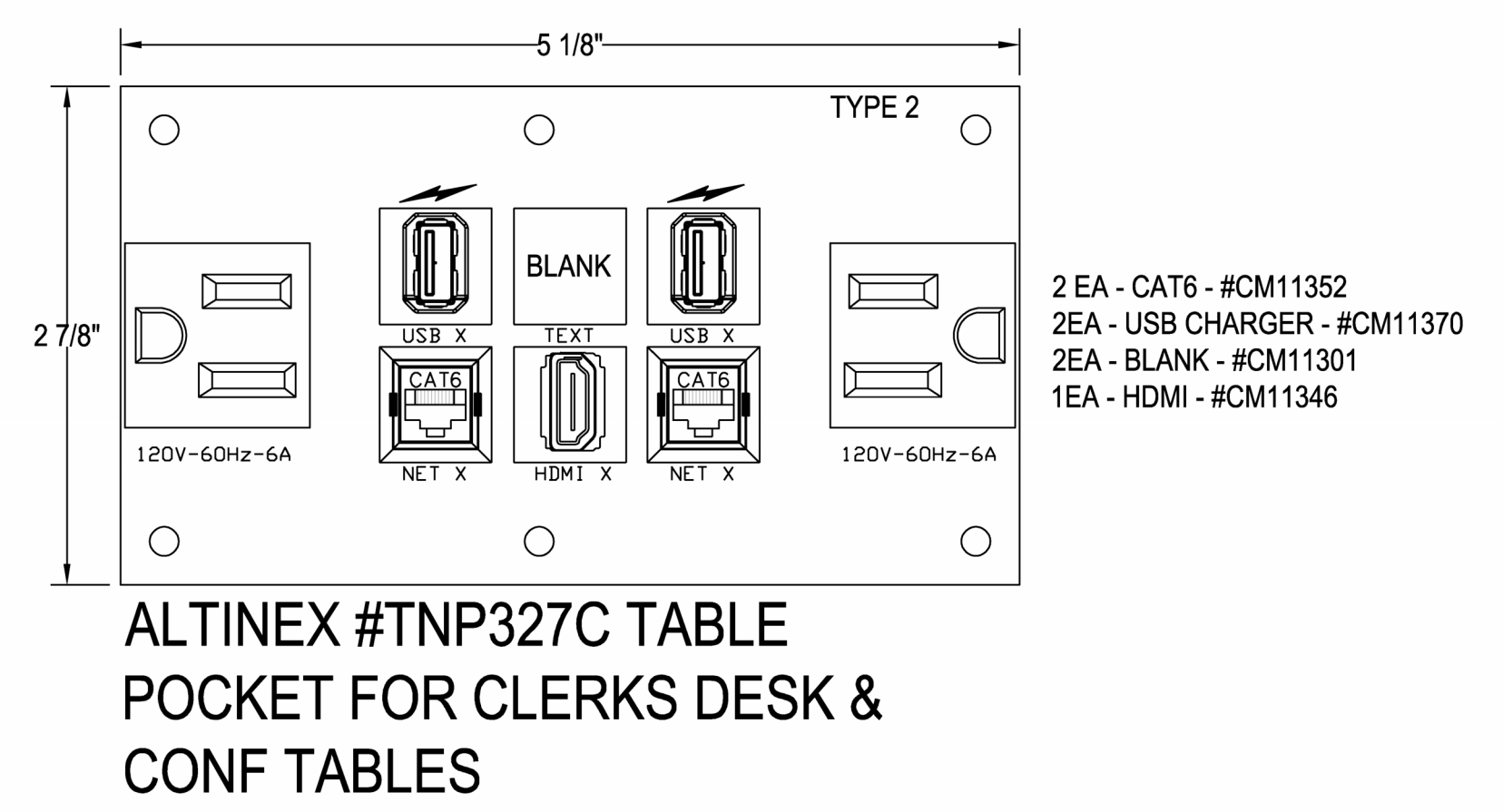
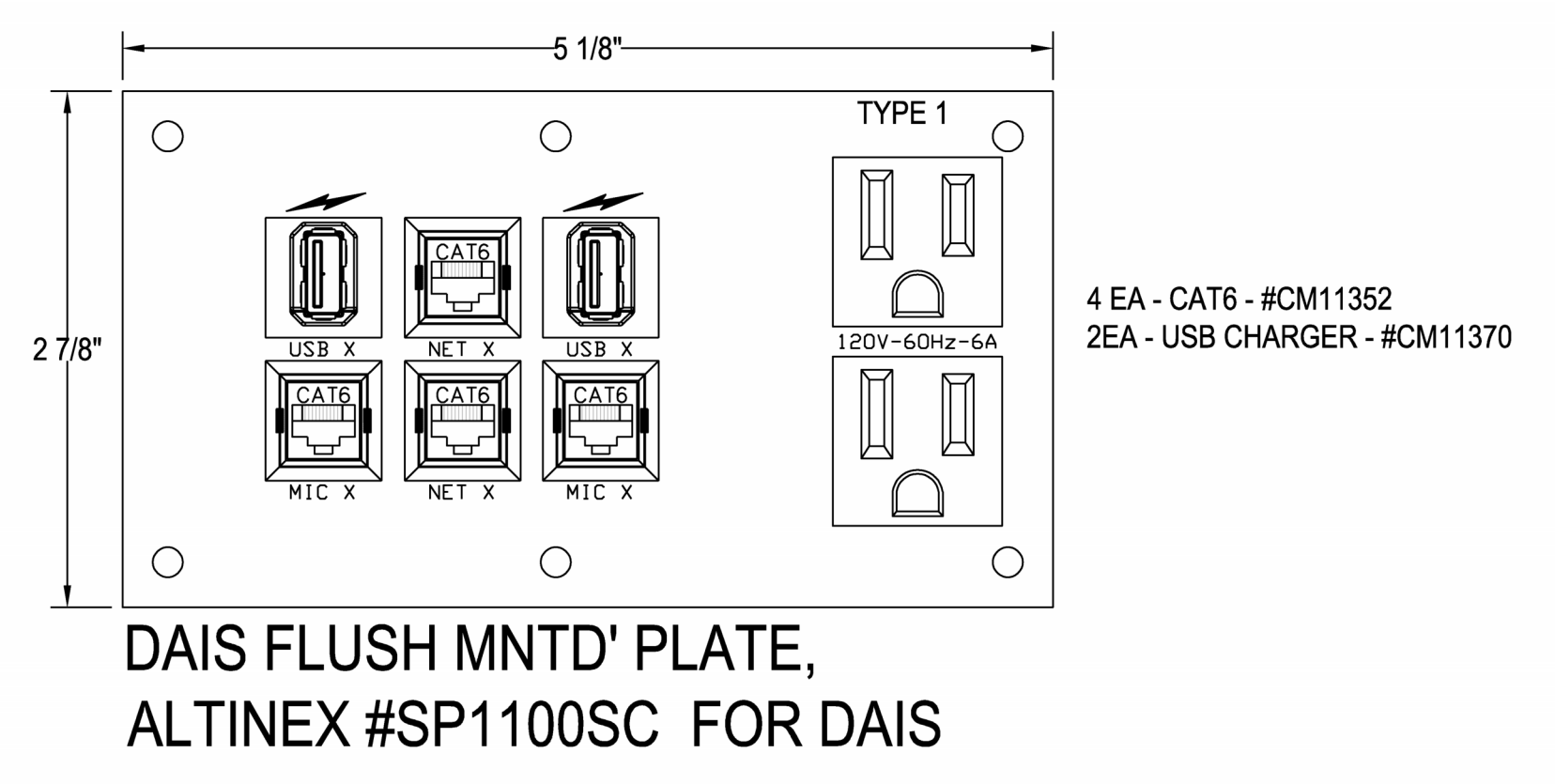
**AUDIOVISUAL DETAILS**

Project No.	T-502
23046	

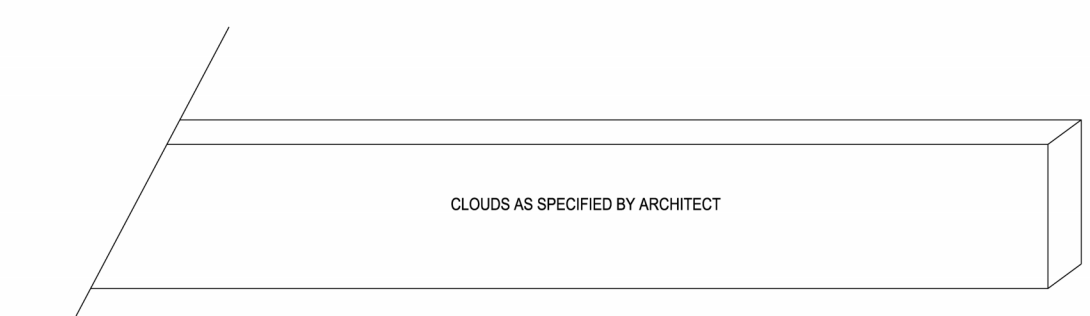
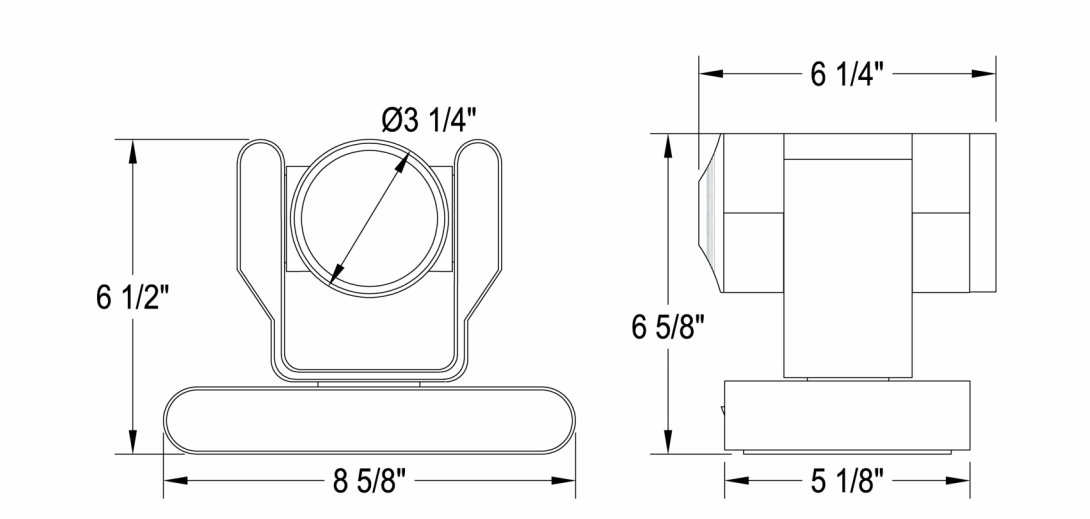
Plotted 3/12/2024 10:32:56 AM



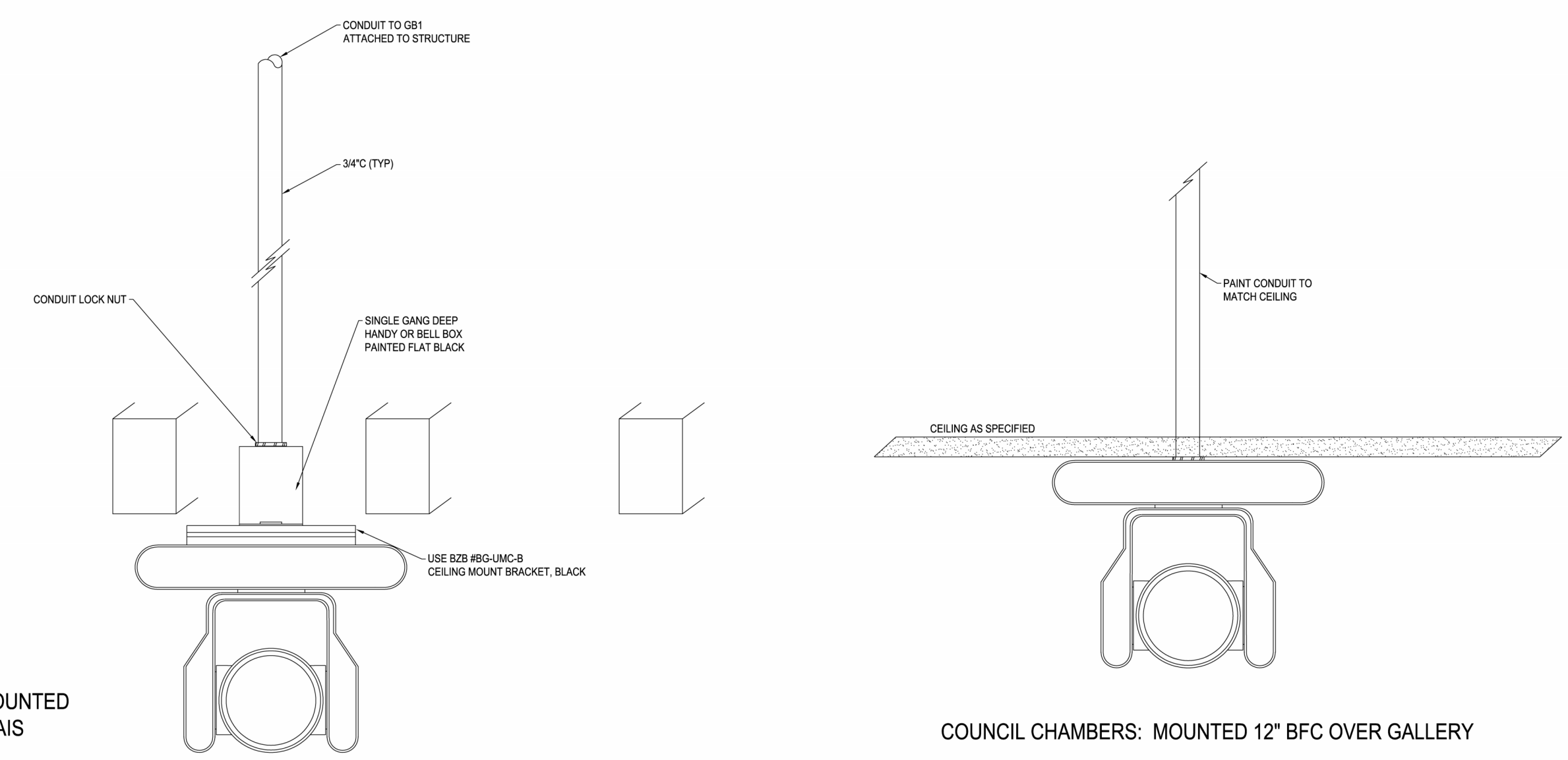
**3 COUNCIL CHAMBER/COURT RM INTERIOR SECTION**  
12" = 1'-0"



**2 TABLE POCKET DETAILS**  
N.T.S.



**1 CAMERA MOUNT DETAILS**  
N.T.S.



3	03/12/2024	ADDENDUM 3
Revisions:	NUMBER DATE	DESCRIPTION
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**AUDIOVISUAL DETAILS**

Project No.	T-503
23046	

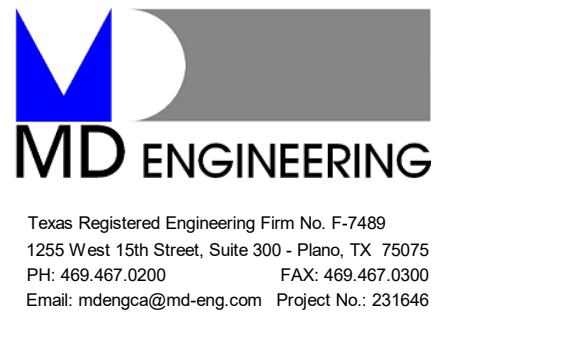
Table with columns: Room Name, Qty, Ident, Make, Model, Description. Includes rows for Council/Courthouse, IT/Communications, Community Event, and various conference rooms.

Table with columns: Room Name, Qty, Ident, Make, Model, Description. Includes rows for Community Event, Executive Conf Rm, IT/Communications, Conference Rm, and Corridor.

Table with columns: Room Name, Qty, Ident, Make, Model, Description. Includes rows for IT/Communications, Conference Rm, Lobby Rm, Clerk Transaction Rm, Breakroom, Permit Office Rm, Utility Billing Rm, and General.

ADD OR REVISED

DELETE



Revisions: 3 03/12/2024 ADDENDUM 3  
Issue Date: FEBRUARY 8, 2024 DESCRIPTION

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Hutchins, TX 75141

### AUDIOVISUAL DETAILS

Project No.

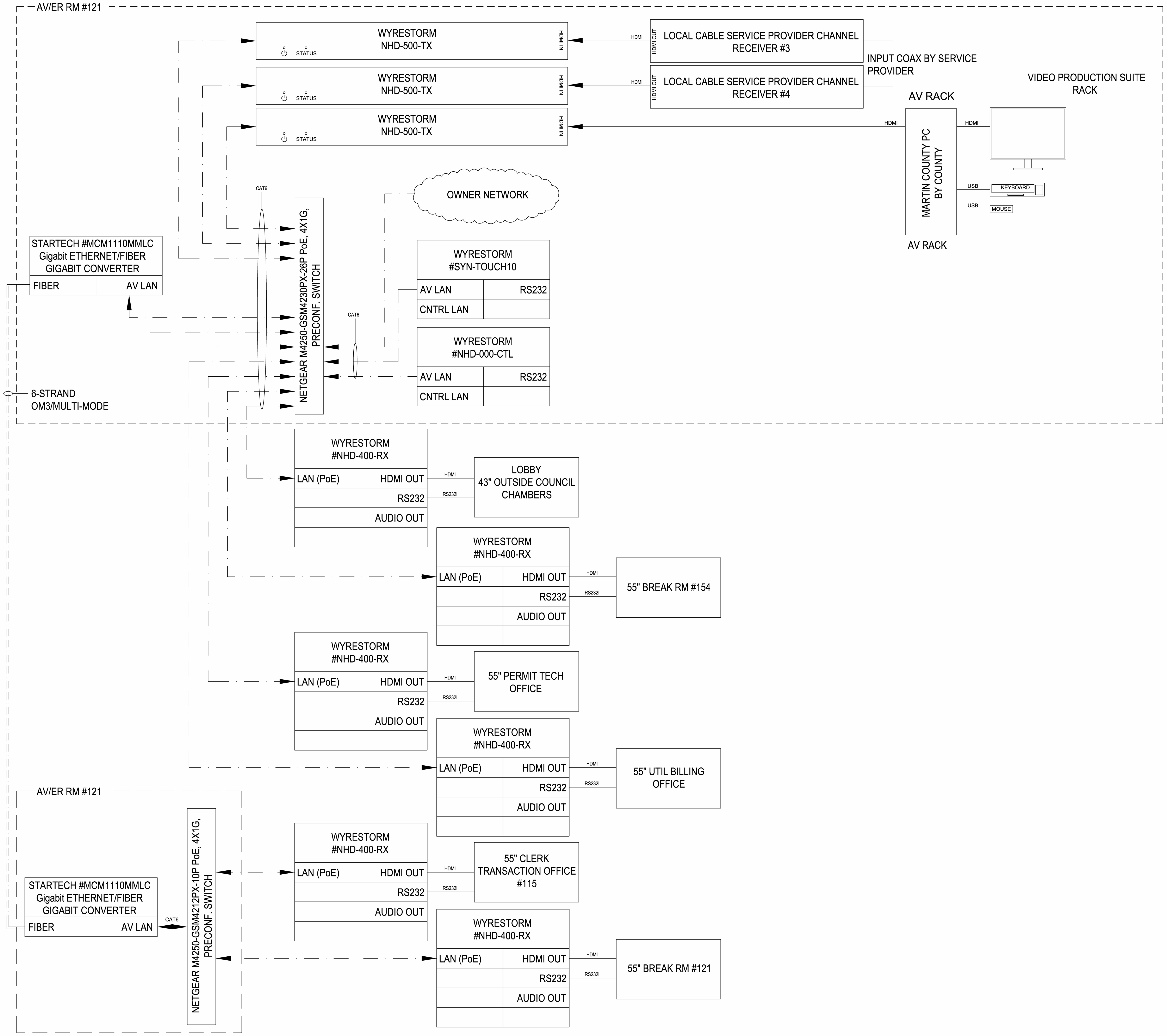
T-504

23046

## AUDIOVISUAL EQUIPMENT ROOM MATRIX

1 N.T.S.

Plotted 3/12/2024 10:33:11 AM



**1 DIGITAL SIGNAGE SCHEMATIC**  
 N.T.S.

Revisions:	NUMBER	DATE	ADDDENDUM 3	DESCRIPTION
	3	03/12/2024		

Issue Date: FEBRUARY 8, 2024

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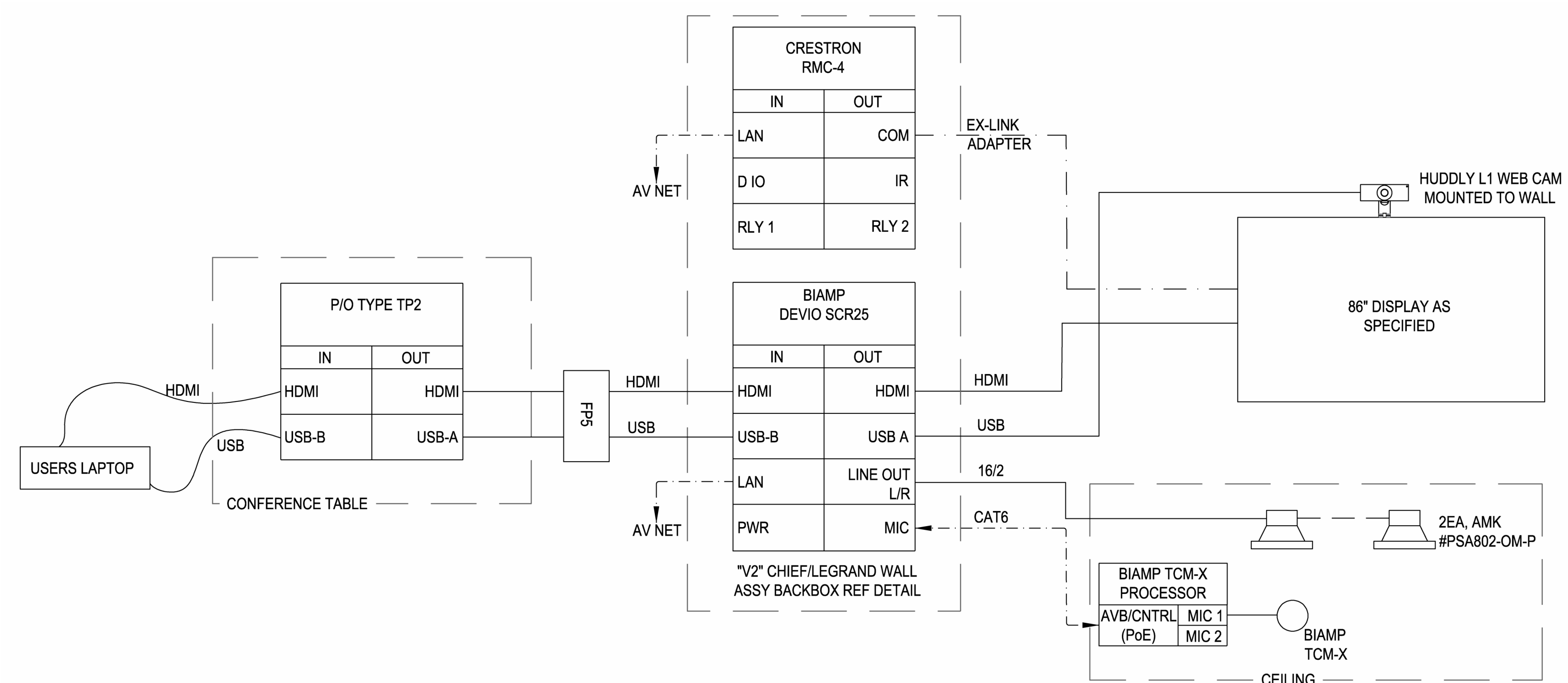
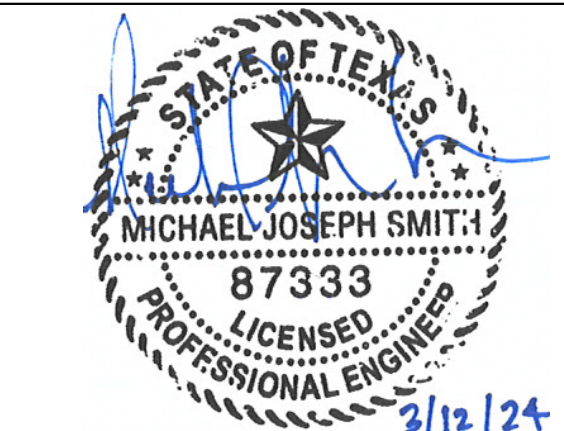
**AUDIOVISUAL DETAILS**

Project No.

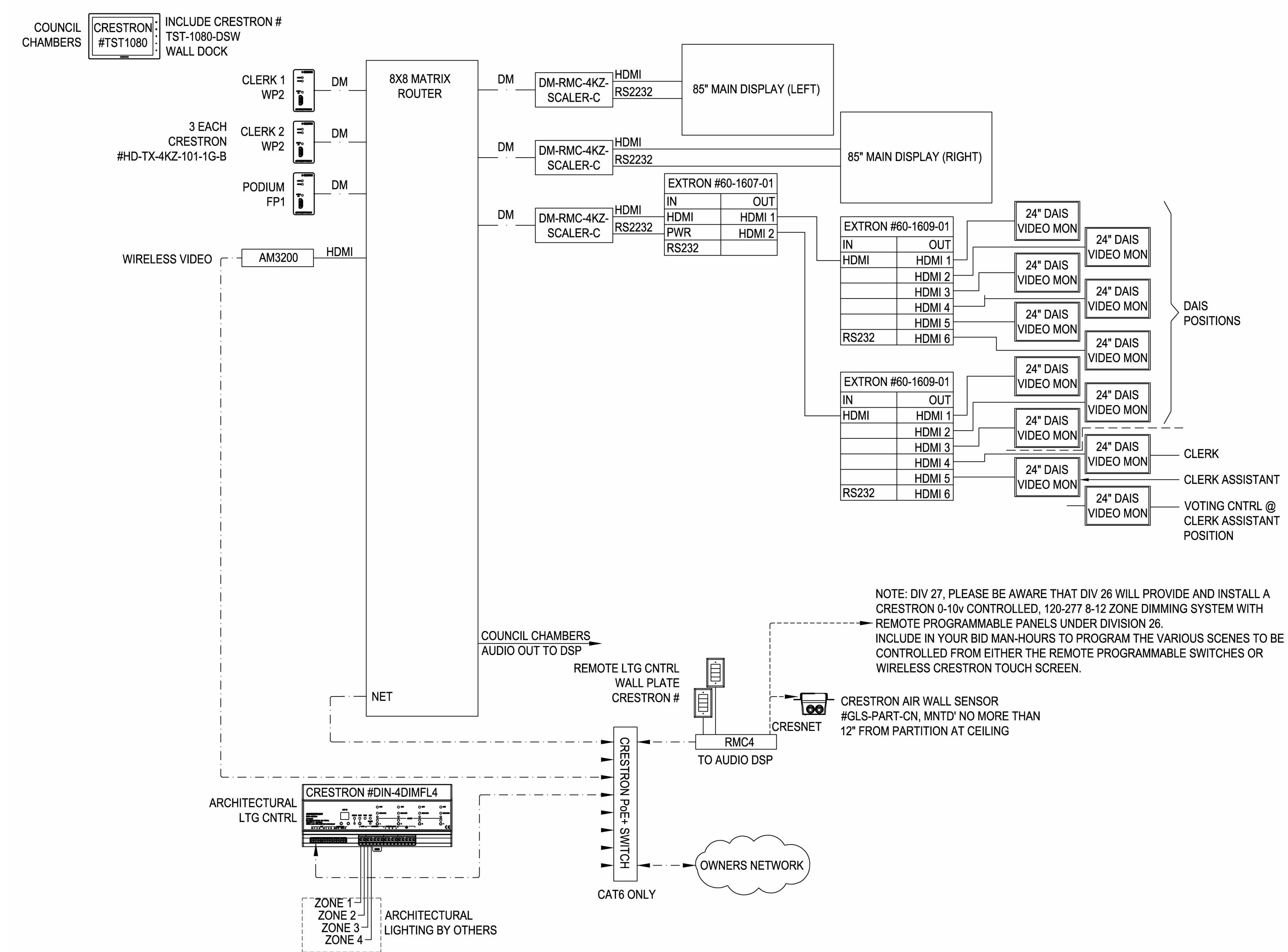
**T-505**

23046

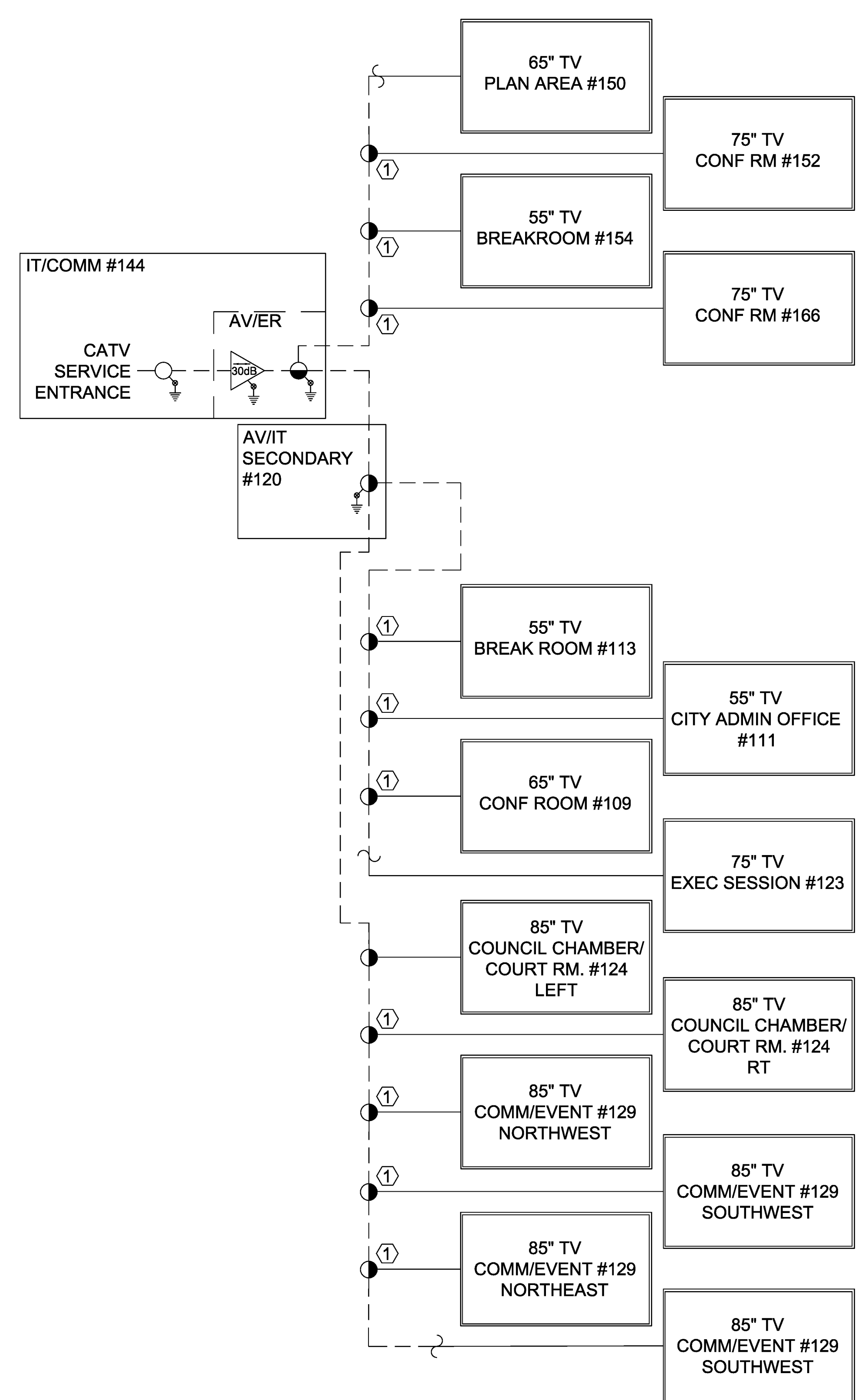
Plotted 3/12/2024 10:33:17 AM



**3 EXEC. CONFERRING SYSTEM - CONF. RM. 123**  
N.T.S.

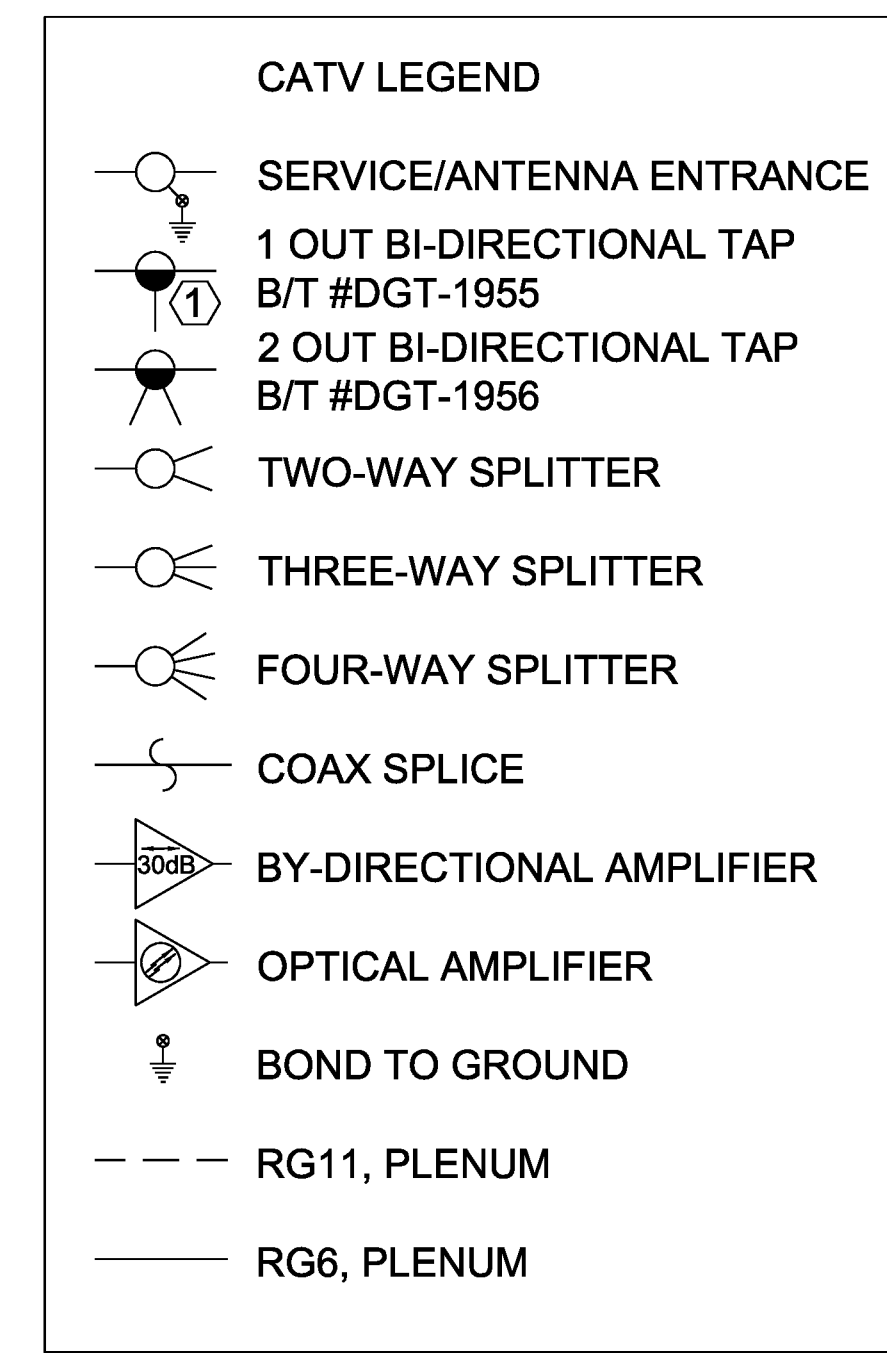


**1 CITY COUNCIL/COURT/EXECUTIVE BOARDROOM AV CONTROL SCHEMATIC**  
N.T.S.



**2 CATV SCHEMATIC**  
N.T.S.

- CATV SCHEMATIC KEYNOTES**
- LOW VOLTAGE CONTRACTOR TO MEASURE DB LEVEL AT EACH TAP USING BLONDER-TONGUE #81-QAM-PRO ANALOG TV ANALYZER (OR EQUAL) & PROVIDE THE APPROPRIATE TAP FOR EACH LOCATION TO MEET AN RF LEVEL OF 8-15dBmV, INDUSTRY STANDARDS.  
EACH CONNECTION TO THE TV MUST BE MEASURED AND RECORDED ON THE AS-BUILT DRAWINGS.  
USE BLONDER-TONGUE #8RT TYPE TAPS OR EQUAL.
  - USE CRIMP CONNECTORS ON ALL COAX. TWIST-ON CONNECTORS ARE NOT ALLOWED.
  - ALL COAX CABLE MUST BE PLENUM RATED.
  - COAX CABLE TYPE USAGE:  
TRUNK LINE: RG11 COAX, WEST PENN #250821NT OR BELDEN EQUAL; F-COMPRESSION CONNECTOR #CN-F811V; RG11 COMPRESSION TOOL & DIE #CPLCCT-11BNC  
DROP CABLE: RG6 COAX, WEST PENN #250841 OR BELDEN EQUAL; F-COMPRESSION CONNECTOR #CN-F6MCV; RG11 COMPRESSION TOOL & DIE #CPLCCT-SLMR



Revisions: 3 03/12/2024 ADDENDUM 3  
NUMBER DATE DESCRIPTION  
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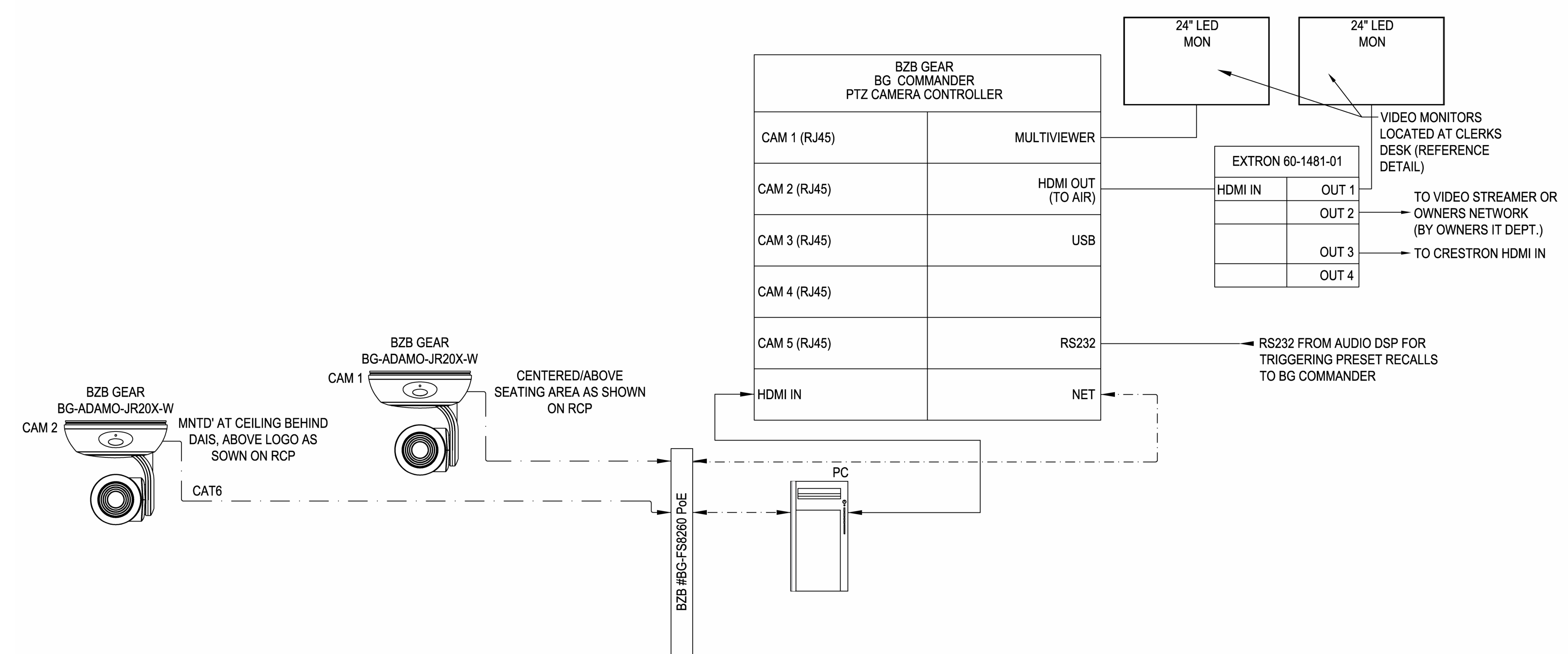
**AUDIOVISUAL DETAILS**

Project No. \_\_\_\_\_

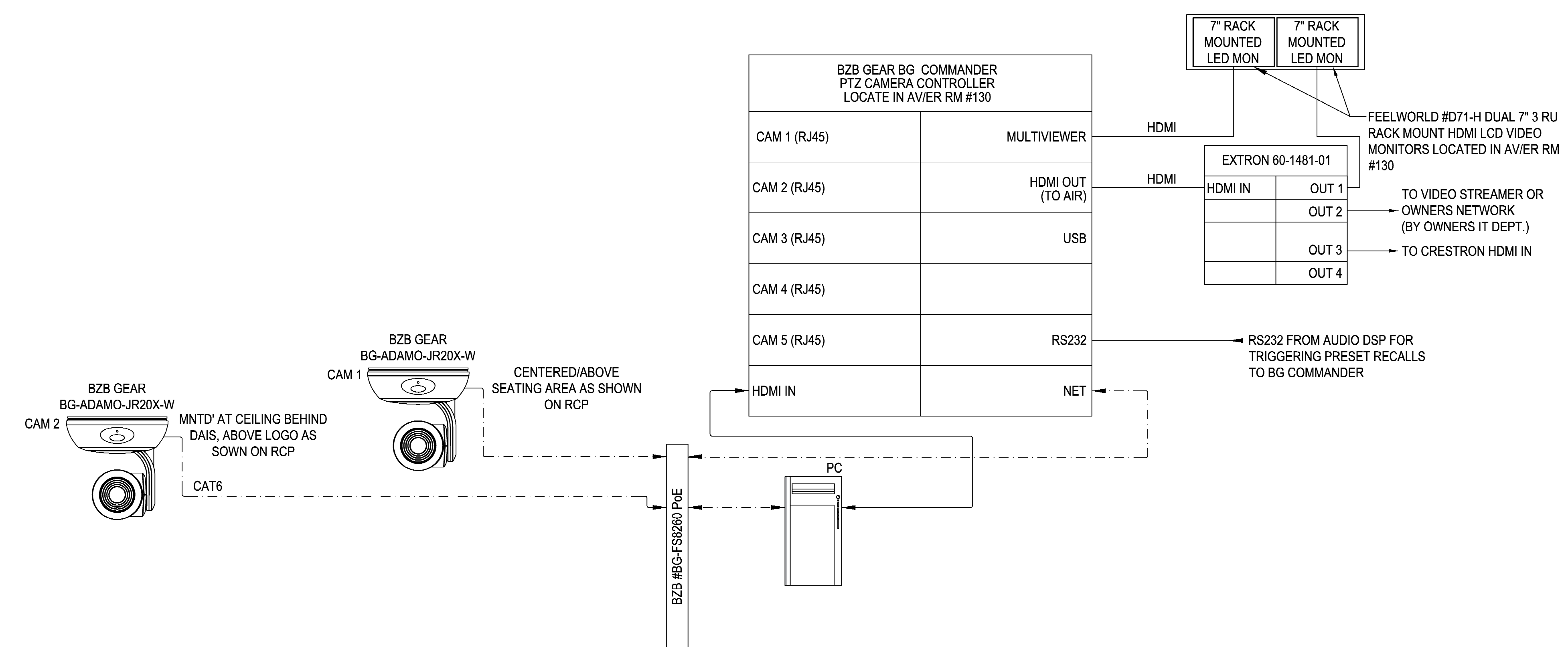
**T-506**

23046





**1 BOARD/COURTROOM VIDEO CAMERA SYSTEM CONTROL SCHEMATIC**  
N.T.S.



**2 EVENT CENTER VIDEO CAMERA SYSTEM FOR VIDEOCONFERENCING CONTROL SCHEMATIC**  
N.T.S.

Revisions: 3 03/12/2024 ADDENDUM 3  
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**AUDIOVISUAL DETAILS**

Project No.

23046

**T-507**