

ADDENDUM NO. 01

CITY OF PORT ARANSAS CITY HALL / CIVIC CENTER EXPANSION AND RENOVATION



TRA PROJECT NO. 2023-29

City of Port Aransas
710 W. Avenue A
Port Aransas, Texas

Issue Date: March 11, 2025

The following additions, deletions, modifications, or clarifications shall be made to the appropriate sections of the plans and specifications and shall become a part of the Contract Documents. Bidders shall acknowledge receipt of this Addendum in the space provided on the Bid form.

BIDDER QUESTIONS AND RESPONSES

Q1: Interior Transaction Window – Sheet A2.1 Room A100 East Wall: Please confirm basis of design for interior transaction window.

RESPONSE: Kawneer TRIFAB 450, 1 ¾" sightline with single pane of 6/16" laminated glass.

Q2: Door Schedule – Sheet A8.1

- DOOR A110A AND A110B: Doors listed as hollow metal, framing is listed as aluminum and exterior elevations and details indicate this frame to be elevation 7 which is listed as IR501T exterior aluminum storefront. Please confirm basis of design for these doors and frames.
- DOOR A100B: Door is listed as aluminum, framing is listed as aluminum and details indicate this to be hollow metal. Please confirm basis of design for this door and frame.
- DOOR B103B: Door is listed as hollow metal, framing is listed as aluminum and details show aluminum framing. Please confirm basis of design for this door and frame.

RESPONSE: Refer to Door Schedule.

Q3: Glazing Legend – Sheet A8.1/GL-4: Glazing type GL-4 is listed as 45-minute fire rating glazing. Schedule shows this glazing being used at 90-minute rated locations. Please confirm that GL-4 should be listed as 90-minute fire rated glazing.

RESPONSE: Glazing Type GL-4 should be listed as 90-minute fire-rated glazing.

Q4: Alternate #3 – Sheet AA3.0

- DOOR AA309: Door is listed as hollow metal, framing is listed as aluminum and elevation is listed as IR50T exterior aluminum storefront. Please confirm basis of design for this door and frame.
- DOOR AA306, AA307, and AA308: Doors and framing are listed as hollow metal but elevation is marked as elevation 8 which indicates IR501T exterior aluminum storefront. Please confirm basis of design for these doors and frames.

RESPONSE: Refer to Door Schedule.

GENERAL INFORMATION/CLARIFICATIONS

ITEM NO. 01: Sign-In Sheet from March 6, 2025 Pre-Bid Conference; attached.

ITEM NO. 02: The last day to submit questions related to bidding/qualifications shall be Thursday, March 13, 2025.

ITEM NO. 03: Weighted Selection Criteria and Proposal Scoring shall be as follows:

- PART A – COST PROPOSAL scoring: 50% (500 points maximum).
- PART B – QUALIFICATIONS – Weighted Selection scoring: 50% (500 points maximum).
 - Relevant Experience & Capability: 20% (200 points maximum)
 - Past Performance on Related Work: 10% (100 points maximum)
 - Quality Assurance & Schedule: 10% (100 points maximum)
 - Proposed Subcontractors: 5% (50 points maximum)
 - Other Considerations: 5% (50 points maximum)
 - TOTAL POINTS: 50% (500 points maximum)
- COMPOSITE SCORE (Cost Proposal + Qualifications): 100% (1000 points maximum). Sample Scoring Matrix for reference will be issued via Addendum 02.

ITEM NO. 04: Asbestos Inspection Report: published by Sitex; dated March 4, 2025; 28 pages (attached).

ITEM NO. 05: CONSTRUCTION PHASING: The building will be occupied during construction and will therefore require phased construction. Downtime between phases is not anticipated.

For bidding purposes, bidders shall assume all alternates are accepted and the following construction phasing and sequencing shown below is anticipated. The final phasing plan will be coordinated with the Owner, Architect, and successful bidder and may vary based upon the schedule and availability. *NOTE: Each phase shall*

include the coordination of infrastructure for Alternate 5 – Exterior and Interior Door Security Upgrades.

- PHASE 1: Base Bid Expansions (coordinate infrastructure for Alternate 5, noted above).
- PHASE 2: Alternate No. 4 – Existing Flooring Replacement (coordinate infrastructure for Alternate 5, noted above).
- PHASE 3: Alternate No. 2 – Main Civic Center & Lobby Renovations (coordinate infrastructure for Alternate 5, noted above).
- PHASE 4: Alternate No. 1 – City Council Chamber Expansion and Renovation.
- PHASE 5: Alternate No. 3 – Exterior Building-Wide Upgrades and installation of Alternate No. 5 – Exterior and Interior Door Security Upgrade components.

ITEM NO. 06: CONTRACTOR LAYDOWN YARD/STAGING: Areas referenced on the attached Drawing Sheet A1.1 – Overall Site Plan, revised March 10, 2025.

Additional space may be made available across the street and/or limited parking spaces near the parking lot on the side of Cut-Off Road.

ITEM NO. 07: GENERATOR CLARIFICATION: The new generator will be purchased, by the Owner under a separate contract. The General Contractor is responsible for a pad-ready site and required infrastructure per construction documents.

ITEM NO. 08: SUBSTITUTION REQUESTS:

- Substitution Request No. 01: Frasch! Acoustics – Linear Acoustical Ceiling Baffles; Frasch Skinny BAFL; attached.
- Substitution Request No. 02: Frasch! Acoustics – Wall Treatment; attached.

MODIFICATIONS TO THE SPECIFICATIONS

ITEM NO. 08: **SPECIFICATION SECTION 08 71 00 – DOOR HARDWARE**

ADD, in its entirety, the attached Specification Section 08 71 00 – Door Hardware, dated March 11, 2025; 39 pages.

MODIFICATIONS TO THE DRAWINGS

ITEM NO. 09: **DRAWING SHEET A0.0 – COVER SHEET**

Remove, in its entirety, Drawing Sheet A0.0 – Cover Sheet and REPLACE with the attached Drawing Sheet A0.0 – Cover Sheet, sealed 02/21/25; revised 03/11/25.

- ITEM NO. 10:** **DRAWING SHEET L1.0 – LANDSCAPE PLAN**
-
- Remove, in its entirety, Drawing Sheet L1.0 – Landscape Plan and REPLACE with the attached Drawing Sheet L1.0 – Landscape Plan, sealed 02/21/25; revised 03/11/25.
- ITEM NO. 11:** **DRAWING SHEET S2.0 – KEY PLAN**
-
- Remove, in its entirety, Drawing Sheet S2.0 – Key Plan, sealed 02/21/25 and REPLACE with the attached Drawing Sheet S2.0 - Key Plan, sealed 03/10/25.
- ITEM NO. 12:** **DRAWING SHEET S3.0 – ENLARGED FOUNDATION PLANS I**
-
- Remove, in its entirety, Drawing Sheet S3.0 – Enlarged Foundation Plans I, sealed 02/21/25 and REPLACE with the attached Drawing Sheet S3.0 – Enlarged Foundation Plans I, sealed 03/10/25.
- ITEM NO. 13:** **DRAWING SHEET S3.1 – ENLARGED FOUNDATION PLANS II**
-
- Remove, in its entirety, Drawing Sheet S3.1 – Enlarged Foundation Plans II, sealed 02/21/25 and REPLACE with the attached Drawing Sheet S3.1 – Enlarged Foundation Plans II, sealed 03/10/25.
- ITEM NO. 14:** **DRAWING SHEET S5.0 – ENLARGED ROOF FRAMING PLANS I**
-
- Remove, in its entirety, Drawing Sheet S5.0 – Enlarged Roof Framing Plans I, sealed 02/21/25 and REPLACE with the attached Drawing Sheet S5.0 – Enlarged Roof Framing Plans I, sealed 03/10/25.
- ITEM NO. 15:** **DRAWING SHEET S5.1 – ENLARGED ROOF FRAMING PLANS II**
-
- Remove, in its entirety, Drawing Sheet S5.1 – Enlarged Roof Framing Plans II, sealed 02/21/25 and REPLACE with the attached Drawing Sheet S5.1 – Enlarged Roof Framing Plans II, sealed 03/10/25.
- ITEM NO. 16:** **DRAWING SHEET S6.2 – ELEVATIONS III**
-
- Remove, in its entirety, Drawing Sheet S6.2 – Elevations III, sealed 02/21/25 and REPLACE with the attached Drawing Sheet S6.2 - Elevations III, sealed 03/10/25.
- ITEM NO. 17:** **DRAWING SHEET S7.1 – STRUCTURAL WALL SECTIONS II**
-
- ADD, in its entirety, Drawing Sheet S7.1 – Structural Wall Sections II, sealed 03/10/25.
- ITEM NO. 18:** **DRAWING SHEET S8.0 – FOUNDATION SECTIONS & DETAILS I**
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- Remove, in its entirety, Drawing Sheet S8.0 – Foundation Sections & Details I, sealed 02/21/25 and REPLACE with the attached Drawing Sheet S8.0 – Foundation Sections & Details I, sealed 03/10/25.

ITEM NO. 19: DRAWING SHEET S9.0 – STEEL SECTIONS & DETAILS I

Remove, in its entirety, Drawing Sheet S9.0 – Steel Sections & Details I, sealed 02/21/25 and REPLACE with the attached Drawing Sheet S9.0 – Steel Sections & Details I, sealed 03/10/25.

ITEM NO. 20: DRAWING SHEET S9.1 – STEEL SECTIONS & DETAILS II

Remove, in its entirety, Drawing Sheet S9.1 – Steel Sections & Details II, sealed 02/21/25 and REPLACE with the attached Drawing Sheet S9.1 – Steel Sections & Details II, sealed 03/10/25.

ITEM NO. 21: DRAWING SHEET AD1.0 – DEMOLITION FLOOR & SITE PLAN

Remove, in its entirety, Drawing Sheet AD1.0 – Demolition Floor & Site Plan and REPLACE with the attached Drawing Sheet AD1.0 – Demolition Floor & Site Plan, sealed 02/21/25; revised 03/11/25.

ITEM NO. 22: DRAWING SHEET A1.1 – OVERALL SITE PLAN

Remove, in its entirety, Drawing Sheet A1.1 – Overall Site Plan and REPLACE with the attached Drawing Sheet A1.1 – Overall Site Plan, sealed 02/21/25; revised 03/11/25.

DESCRIPTION: (1) Material Lay-Down Space locations; (2) New Generator Location, provided by Owner, connections by General Contractor.

ITEM NO. 23: DRAWING SHEET A2.1 – COMPOSITE FLOOR PLAN – BASE BID

Remove, in its entirety, Drawing Sheet A2.1 – Composite Floor Plan – Base Bid and REPLACE with the attached Drawing Sheet A2.1 – Composite Floor Plan – Base Bid, sealed 02/21/25; revised 03/11/25.

DESCRIPTION: New Generator Location, provided by Owner, connections by General Contractor.

ITEM NO. 24: DRAWING SHEET A5.01 – ROOF PLAN

Remove, in its entirety, Drawing Sheet A5.01 – Roof Plan and REPLACE with the attached Drawing Sheet A5.01 – Roof Plan, sealed 02/21/25; revised 03/10/25.

ITEM NO. 25: DRAWING SHEET A5.02 - ELEVATIONS

Remove, in its entirety, Drawing Sheet A5.02 – Elevations and REPLACE with the attached Drawing Sheet A5.02 – Roof Plan, sealed 02/21/25; revised 03/10/25.

ITEM NO. 26: DRAWING SHEET A5.04 – DETAILS - 2

Remove, in its entirety, Drawing Sheet A5.04 – Details-2 and REPLACE with the attached Drawing Sheet A5.04 – Details-2, sealed 02/21/25; revised 03/10/25.

ITEM NO. 27: DRAWING SHEET A5.05 – DETAILS - 3

Remove, in its entirety, Drawing Sheet A5.05 – Details-3 and REPLACE with the attached Drawing Sheet A5.05 – Details-3, sealed 02/21/25; revised 03/10/25.

ITEM NO. 28: DRAWING SHEET A5.06 – DETAILS - 4

Remove, in its entirety, Drawing Sheet A5.06 – Details-4 and REPLACE with the attached Drawing Sheet A5.06 – Details-4, sealed 02/21/25; revised 03/10/25.

ITEM NO. 29: DRAWING SHEET A5.07 – DETAILS - 5

Remove, in its entirety, Drawing Sheet A5.07 – Details-5 and REPLACE with the attached Drawing Sheet A5.07 – Details-5, sealed 02/21/25; revised 03/10/25.

ITEM NO. 30: DRAWING SHEET A5.09 – DETAILS - 7

ADD, in its entirety, attached Drawing Sheet A5.09 – Details-7, sealed 02/21/25; revised 03/10/25.

ITEM NO. 31: DRAWING SHEET A5.10 – DETAILS - 8

ADD, in its entirety, attached Drawing Sheet A5.10 – Details-8, sealed 02/21/25; revised 03/10/25.

ITEM NO. 32: DRAWING SHEET A8.1 – DOOR SCHEDULE, WINDOW ELEV., & DOOR/FRAME TYPES

Remove, in its entirety, Drawing Sheet A8.1 – Door Schedule, Window Elev., & Door/Frame Types and REPLACE with the attached Drawing Sheet A8.1 – Door Schedule, Window Elev., & Door/Frame Types, sealed 02/21/25; revised 03/11/25.

DESCRIPTION: (1) Doors A110A, A110B, B103B, D100B, & D115A to have Door Panel Type B – Windstorm Related Aluminum Flush Door, Painted with vision kit; (2) GL-4 to be 90-minute Fire-Rated Glazing.

ITEM NO. 33: DRAWING SHEET A10.1 – COMPOSITE RCP

Remove, in its entirety, Drawing Sheet A10.1 – Composite RCP and REPLACE with the attached Drawing Sheet A10.1 – Composite RCP, sealed 02/21/25; revised 03/11/25.

DESCRIPTION: Control joint locations at the gypsum ceiling at Zone D.

- ITEM NO. 34:** **DRAWING SHEET AA1.0 – ALTERNATE 01 – DEMO/FLOOR/RCP PLANS – AREA ‘C’**
- Remove, in its entirety, Drawing Sheet AA1.0 – Alternate 01 – Demo/Floor/RCP Plans – Area ‘C’ and REPLACE with the attached Drawing Sheet AA1.0 – Alternate 01 – Demo/Floor/RCP Plans – Area ‘C’, sealed 02/21/25; revised 03/11/25.
- DESCRIPTION:** Trees at expansion to Council Chambers to be salvaged by Owner.
- ITEM NO. 35:** **DRAWING SHEET AA2.0 – ALTERNATE 02 – DEMO/FLOOR PLANS – AREA ‘B’**
- Remove, in its entirety, Drawing Sheet AA2.0 – Alternate 02 – Demo/Floor Plans – Area ‘B’ and REPLACE with the attached Drawing Sheet AA1.0 – Alternate 01 – Demo/Floor Plans – Area ‘B’, sealed 02/21/25; revised 03/11/25.
- DESCRIPTION:** Paint existing door panels in hallway adjacent to the Lobby.
- ITEM NO. 36:** **DRAWING SHEET AA2.1 – ALTERNATE 02 – DEMO/RCP PLANS – AREA ‘B’**
- Remove, in its entirety, Drawing Sheet AA2.1 – Alternate 02 – Demo/RCP Plans – Area ‘B’ and REPLACE with the attached Drawing Sheet AA2.1 – Alternate 02 – Demo/RCP Plans – Area ‘B’, sealed 02/21/25; revised 03/11/25.
- DESCRIPTION:** 3-5/8” metal bracing at stage wall.
- ITEM NO. 37:** **DRAWING SHEET AA2.3 – ALTERNATE 02 – INTERIOR ELEVATIONS & BUILDING SECTIONS – AREA ‘B’**
- Remove, in its entirety, Drawing Sheet AA2.3 – Alternate 02 – Interior Elevations & Building Sections – Area ‘B’ and REPLACE with the attached Drawing Sheet AA2.3 – Alternate 02 – Interior Elevations & Building Sections – Area ‘B’, sealed 02/21/25; revised 03/11/25.
- DESCRIPTION:** 3-5/8” metal bracing at stage wall.
- ITEM NO. 38:** **DRAWING SHEET AA3.0 – ALTERNATE 03 – DOOR & WINDOW LOCATIONS**
- Remove, in its entirety, Drawing Sheet AA3.0 – Alternate 03 – Door & Window Locations and REPLACE with the attached Drawing Sheet AA3.0 – Alternate 03 – Door & Window Locations, sealed 02/21/25; revised 03/11/25.
- DESCRIPTION:** Doors AA306, AA307, AA308, and AA309 to have Door Panel Type B – Windstorm Rated Aluminum Flush Door, Painted with vision kit.
- ITEM NO. 39:** **DRAWING SHEET M1.3 – MECHANICAL FLOOR PLAN – CITY HALL (ALTERNATE #1)**
- Remove, in its entirety, Drawing Sheet M1.3 – Mechanical Floor Plan – City Hall (Alternate #1) and REPLACE with the attached Drawing Sheet M1.3 – Mechanical Floor Plan – City Hall (Alternate #1), sealed 02/21/2025; revised 03/10/2025.

DESCRIPTION: Added fire damper to return transfer grilles. Added keynote 4 to supply linear diffusers.

ITEM NO. 40: **DRAWING SHEET M1.4 – MECHANICAL FLOOR PLAN – CIVIC CENTER & LOBBY (ALTERNATE #2)**

Remove in its entirety, Drawing Sheet M1.4 – Mechanical Floor Plan – Civic Center & Lobby (Alternate #2) and REPLACE with the attached Drawing Sheet M1.4 – Mechanical Floor Plan – Civic Center & Lobby (Alternate #2), sealed 02/21/2025; revised 03/10/2025.

DESCRIPTION: Added return grilles to return air transfer duct. Updated keynote 7.

ITEM NO. 41: **DRAWING SHEET M2.1 – MECHANICAL SCHEDULES**

Remove in its entirety, Drawing Sheet M2.1 – Mechanical Schedules and REPLACE with the attached Drawing Sheet M2.1 – Mechanical Schedule, sealed 02/21/2025; revised 03/10/2025.

DESCRIPTION: Updated air device schedule (Alternate #2) with new return grilles. Added Note 5 to Fan Schedule.

ITEM NO. 42: **DRAWING SHEET M2.2 – MECHANICAL SCHEDULES**

Remove in its entirety, Drawing Sheet M2.2 – Mechanical Schedules and REPLACE with the attached Drawing Sheet M2.2 – Mechanical Schedule, sealed 02/21/2025; revised 03/10/2025.

DESCRIPTION: Added notes to DX minisplit unit schedule. Added demand control ventilation system sequence of operation.

ITEM NO. 43: **DRAWING SHEET E1.3 – ELECTRICAL LIGHTING PLAN – CIVIC, SUPPLY & LOBBY**

Remove in its entirety, Drawing Sheet E1.3 – Electrical Lighting Plan – Civic, Supply & Lobby and REPLACE with the attached Drawing Sheet E1.3 – Electrical Lighting Plan – Civic, Supply & Lobby sealed 02/21/2025; revised 03/10/2025.

DESCRIPTION: Revised lighting at Lobby and Civic Center.

ITEM NO. 44: **DRAWING SHEET E3.3 – ELECT. SPEC. SYSTEMS – EXISTING SPACES**

Remove in its entirety, Drawing Sheet E3.3 – Elect. Spec. Systems – Existing Spaces and REPLACE with the attached Drawing Sheet E3.3 – Elect. Spec. Systems – Existing Spaces, sealed 02/21/2025; revised 03/10/2025.

DESCRIPTION: Added fire detection and alarm connections to existing RTUs. Note that some room names are indicated as “alternate bid”. All fire detection and alarm

work in all spaces shall be under base bid, regardless of the room name/designation. An entire new system is required under base bid for all new and all existing areas.

ITEM NO. 45: **DRAWING SHEET E4.1 – ELECTRICAL ONE-LINE DIAGRAM**

Remove in its entirety, Drawing Sheet E4.1 – Electrical One-Line Diagram and REPLACE with the attached Drawing Sheet E4.1 – Electrical One-Line Diagram, sealed 02/21/2025; revised 03/10/2025.

DESCRIPTION: Revised one-line diagram for separate feeds to existing split bus MDP; added breaker at generator for portable load bank connections and noted for housekeeping pads at ATS.

ITEM NO. 46: **DRAWING SHEET E4.2 – ELECTRICAL SCHEDULES**

Remove in its entirety, Drawing Sheet E4.2 - Electrical Schedules and REPLACE with the attached Drawing Sheet E4.2 - Electrical Schedule, sealed 02/21/2025; revised 03/10/2025.

DESCRIPTION: Revised recessed can fixtures and added missing fixture information.

--END OF ADDENDUM 01--



TURNER | RAMIREZ
ARCHITECTS

PRE-BID – SIGN-IN SHEET

CITY OF PORT ARANSAS

CITY HALL / CIVIC CENTER EXPANSION & RENOVATION

Meeting Location: City Hall – Council Chambers

710 W. Avenue A, Port Aransas, Texas 78374

Date: March 6, 2025 Time: 2:00 PM – 3:00 PM

NAME	POSITION / COMPANY	PHONE #	E-MAIL
Jodi Smith Schade	Project Manager - TRA	(361) 300-2316	jodi@trarch.com
Melanie Getman	Design Associate-TRA	(361) 563-6921	melanie@trarch.com
Carrie Castor	Design/Construction Administration - TRA	(361) 815-1911	carrie@trarch.com
Lawrence Cutrone	Asst. City Manager – City of Port Aransas	(361) 749-4111 x226	lcutrone@cityofportaransas.org
David Parsons	City Manager – City of Port Aransas	(361) 749-4111	dparsons@cityofportaransas.org
Rafael Ledezma	Herb – Broaddus Const.	(956) 564-0428	rledezma@broaddususa.com
Ken Galloway	Jeff – Victory	(361) 672-1235	kgalloway@victory.com
Chris Brzozowski	Weaver & Jacobs Const.	(361) 452-0560	chrisb@weaverandjacobs.com
Travis Yeary	Estimator/PM – Malek, Inc.	(361) 904-3160	tyeary@malekinc.com
Nieves Hernandez	Estimator – Malek, Inc.	(361) 510-2510	nhernandez@malekinc.com



Asbestos Inspection Report

March 4, 2025

**CITY OF PORT ARANSAS CITY HALL AND CONVENTION CENTER
710 WEST AVENUE A
PORT ARANSAS, TEXAS**

Prepared for:

TURNER RAMERIZ ARCHITECTS

Prepared by:

**SITEX, INC.
5233 IH 37 SUITE A3
CORPUS CHRISTI, TEXAS 78408
(361) 887-9400**

SITEX PROJECT NUMBER: 22685

HOUSTON • CORPUS CHRISTI

CORPUS CHRISTI OFFICE: 5233 IH 37 Suite A3 • Corpus Christi, Texas 78408 • Phone 361-887-9400



March 4, 2025

Ms. Jodi Schade, RID, NCIDQ
Project Manager
Turner Rameriz Architects
3751 S Alameda St
Corpus Christi, TX 78411

**RE: Limited Asbestos Inspection
City of Port Aransas City Hall and Convention Center
710 West Avenue A
Port Aransas, TX 78373
Sitex Project Number: 22685**

Dear Ms. Schade:

Enclosed is the report for the limited asbestos inspection performed at 710 West Avenue A in Port Aransas, TX. The sampling was performed on February 26, 2025, by Mr. Wayne Pflughaupt of Sitex, Inc. Mr. Pflughaupt is licensed by the Texas Department of State Health Services as an Asbestos Inspector (#60-3090).

SCOPE OF WORK

The scope of this project was limited to suspect asbestos-containing materials (ACM) associated with the roof and select interior locations specified by the client at the above-referenced facility. Forty-three (43) samples of suspect asbestos-containing materials were collected. State of Texas regulations define asbestos-containing materials as having greater than one percent (>1%) asbestos content. No asbestos was detected in any of the samples collected.

No A/C duct mastic was observed above the suspended ceiling in the Civic Center room. No suspect material was observed under the ceramic tile in the Civic Center foyer.

Suspect Materials Tested

Suspect asbestos-containing materials (ACM) were collected according to protocol established by the *Texas Asbestos Health Protection Rules (TAHPR) §296.191(a)(2)* for building demolitions and renovations. During the inspection, sampled materials were assigned a sample number and a homogenous area (H.A.) number. Samples were collected of each area and the friability and condition of the suspect material was assessed.

Table I contains the homogenous area numbers, material types, material descriptions, material locations, condition assessments, and a summary of the analytical results.



Table II correlates each sample number to its homogenous area number. Analytical results and a list of definitions can be found following the text of this report.

Analytical Methods

All polarized light microscopy (PLM) lab analyses were performed at SanAir Technologies Laboratory Inc. in North Chesterfield, VA, using standard oil immersion and optical staining techniques in accordance with EPA 600/R-93/116 protocol. SanAir is an American Industrial Hygiene Association participant laboratory (#162952), a National Institute of Standards and Technology NVLAP-accredited laboratory (#200870) and licensed by the Texas Department of State Health Services (#30-0440) for asbestos laboratory analysis.

LIMITATIONS

This sampling report does not guarantee that additional asbestos-containing materials are not present. The scope of this project was limited to sampling of client-specified materials at client-specified locations in the facility. All other portions of the building were specifically excluded. This report does not constitute a comprehensive asbestos building survey.

The following analytical results pertain to only the samples analyzed and may not reflect the actual composition of the entire homogeneous area. Sitex, Inc. assumes no responsibility for any subsequent use or interpretations of these analytical results. This report must not be used to claim product endorsement by NVLAP or any other state or federal government agency.

Please call us if you have any questions regarding this inspection report. We appreciate the opportunity to be of service to you.

Sincerely,

A handwritten signature in black ink, appearing to read "Stacy Kraatz".

Stacy Kraatz
Asbestos Consultant (#10-5874)
South Texas Regional Manager
Sitex, Inc.

A handwritten signature in black ink, appearing to read "Wayne Pflughaupt".

Wayne Pflughaupt
Asbestos Inspector (#60-3090)
Sitex, Inc.



List of Definitions

Asbestos-Containing Material (ACM) - any material containing more than one percent asbestos (chrysotile asbestos, amosite asbestos, crocidolite asbestos, tremolite asbestos, anthophyllite asbestos, actinolite asbestos).

Demolition - the wrecking or taking out of any load-supporting structure member and any related razing, removing, or stripping of asbestos products.

Disturbance - contact which releases fibers from ACM or debris containing ACM including activities which that disrupts the matrix of ACM, render ACM friable, or generate visible debris.

Encapsulation - a method of control of asbestos fibers in which the surface of ACM is penetrated by or covered with a liquid coating prepared for that purpose.

Enclosure - the construction of an airtight, impermeable, semi-permanent barrier surrounding asbestos to prevent the release of asbestos fibers into the air.

Fiber - a particulate form of asbestos, 5 micrometers or longer, with a length-to diameter ratio of at least 3 to 1.

Friable Materials - any material that when dry can be crumbled, pulverized, or reduced to powder by hand pressure.

Homogeneous Area - an area of surfacing material or thermal system that is uniform in color and texture.

Intact - means that the ACM has not crumbled, been pulverized, or otherwise deteriorated so that it is no longer likely to be bound with its matrix.

Removal - all operations where ACM is taken out or stripped from structures or substrates, and includes demolition operations.

Renovation - the modifying of any existing structure, or portion thereof.

Repair - overhauling, rebuilding, reconstructing, or reconditioning of structures or substrates, including encapsulation or other repair of ACM attached to structures or substrates.



Table I – Sample Materials Summary



TABLE I - SAMPLE MATERIALS SUMMARY

H.A.*	MATERIAL NAME	MATERIAL DESCRIPTION	MATERIAL LOCATION	CONDITION	FRIABLE	ASBESTOS-CONTAINING MATERIAL
1	Roof Curb	Asphalt Cap Sheet with Black Bituminous Tar	Civic Center Roof	Good	No	No
2	Roof Field	Asphalt Cap Sheet with Brown Perlite Cellulose Insulation	Civic Center Roof	Good	No	No
3	Roof Curb	Asphalt Cap Sheet with Black Bituminous Tar	Civic Center East Roof Ledge	Good	No	No
4	Roof Field	Asphalt Cap Sheet with Brown Perlite Cellulose Insulation	Civic Center East Roof Ledge	Good	No	No
5	Roof Curb	Asphalt Cap Sheet with Black Bituminous Tar	City Hall Roof East Side	Good	No	No
6	Roof Field	Asphalt Cap Sheet with Brown Perlite Cellulose Insulation	City Hall Roof East Side	Good	No	No
7	Roof Curb	Asphalt Cap Sheet with Black Bituminous Tar	Civic Center North Storage Room Roof	Good	No	No

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TABLE I - SAMPLE MATERIALS SUMMARY

H.A.*	MATERIAL NAME	MATERIAL DESCRIPTION	MATERIAL LOCATION	CONDITION	FRIABLE	ASBESTOS-CONTAINING MATERIAL
8	Roof Field	Asphalt Cap Sheet with Brown Perlite Cellulose Insulation	Civic Center North Storage Room Roof	Good	No	No
9	Roof Curb	Asphalt Cap Sheet with Black Bituminous Tar	Civic Center West Roof Ledge	Good	No	No
10	Roof Field	Asphalt Cap Sheet with Brown Perlite Cellulose Insulation	Civic Center West Roof Ledge	Good	No	No
11	Roof Curb	Asphalt Cap Sheet with Black Bituminous Tar	City Council Chamber Roof	Good	No	No
12	Roof Field	Asphalt Cap Sheet with Brown Perlite Cellulose Insulation	City Council Chamber Roof	Good	No	No
13	Roof Curb	Asphalt Cap Sheet with Black Bituminous Tar	City Council Chamber Roof	Good	No	No
14	Roof Field	Asphalt Cap Sheet with Brown Perlite Cellulose Insulation	City Council Chamber Roof	Good	No	No

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TABLE I - SAMPLE MATERIALS SUMMARY

H.A.*	MATERIAL NAME	MATERIAL DESCRIPTION	MATERIAL LOCATION	CONDITION	FRIABLE	ASBESTOS-CONTAINING MATERIAL
15	Ceiling Tile	2' x 2' White Mineral Fiber Board	Suspended Ceiling in Civic Center	Good	Yes	No
16	Ceiling Tile	2' x 2' Black Mineral Fiber Board	Suspended Ceiling in Civic Center Entrance Foyer	Good	Yes	No
17	Ceiling Tile	2' x 2' White Mineral Fiber Board	Suspended Ceiling in City Council Chamber	Good	Yes	No
18	Cove Base Mastic	Yellow Adhesive	Behind Vinyl Baseboards in City Council Chamber	Good	No	No
19	Carpet Mastic	Yellow Resinous Adhesive	Under Carpet Tiles in City Council Chamber	Good	No	No
20	Cove Base Mastic	Yellow Adhesive	Behind Vinyl Baseboards in City Hall Corridor	Good	No	No
21	Carpet Mastic	Yellow Resinous Adhesive	Under Carpet Tiles in City Hall Corridor	Good	No	No
22	Joint Compound	Dried White Gypsum Mud	Walls Inside City Manager Office and Adjacent Corridor	Good	Yes	No
23	Drywall	White Chalky Gypsum Board	Walls Inside City Manager Office and Adjacent Corridor	Good	Yes	No

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TABLE I - SAMPLE MATERIALS SUMMARY

H.A.*	MATERIAL NAME	MATERIAL DESCRIPTION	MATERIAL LOCATION	CONDITION	FRIABLE	ASBESTOS-CONTAINING MATERIAL
24	Exterior Stucco	Gray Cementitious Facia with White Paint	Building Exterior	Good	No	No
25	Exterior Panel Sealant	White Putty	Building Exterior	Good	No	No

* Homogeneous Area



Table II – Sample Location / Homogeneous Area Association



TABLE II: SAMPLE NUMBER ↔ HOMOGENEOUS AREA

SAMPLE #	H.A.*	SAMPLE LOCATION
1	1	Civic Center Roof
2	2	Civic Center Roof
3	3	Civic Center East Roof Ledge
4	4	Civic Center East Roof Ledge
5	5	City Hall Roof East Side
6	6	City Hall Roof East Side
7	7	Civic Center North Storage Room Roof
8	8	Civic Center North Storage Room Roof
9	9	Civic Center West Roof Ledge
10	10	Civic Center West Roof Ledge
11	11	City Council Chamber Roof
12	12	City Council Chamber Roof
13	13	City Council Chamber Roof
14	14	City Council Chamber Roof
15	15	Civic Center Large Room
16	15	Civic Center Large Room
17	15	Civic Center Large Room
18	16	Civic Center Entrance Foyer
19	16	Civic Center Entrance Foyer
20	16	Civic Center Entrance Foyer
21	17	City Council Chamber
22	17	City Council Chamber
23	17	City Council Chamber
24	18	City Council Chamber
25	18	City Council Chamber
26	18	City Council Chamber
27	19	City Council Chamber
28	19	City Council Chamber
29	19	City Council Chamber
30	20	City Hall Corridor
31	20	City Hall Corridor
32	20	City Hall Corridor
33	21	City Hall Corridor
34	21	City Hall Corridor



TABLE II: SAMPLE NUMBER ↔ HOMOGENEOUS AREA

SAMPLE #	H.A.*	SAMPLE LOCATION
35	21	City Hall Corridor
36	22	Assistant City Manager Office Above Suspended Ceiling Grid
37	22	Corridor Outside Assistant City Manager Office Above Suspended Ceiling Grid
38	22	Corridor Outside Assistant City Manager Office Above Suspended Ceiling Grid
39	23	Assistant City Manager Office Above Suspended Ceiling Grid
40	23	Corridor Outside Assistant City Manager Office Above Suspended Ceiling Grid
41	23	Corridor Outside Assistant City Manager Office Above Suspended Ceiling Grid
42	24	Building Exterior Outside Assistant City Manager Office
43	25	Building Exterior Outside Assistant City Manager Office

* Homogeneous Area



Sample Location Diagrams

Location: City of Port Aransas City Hall and Convention Center

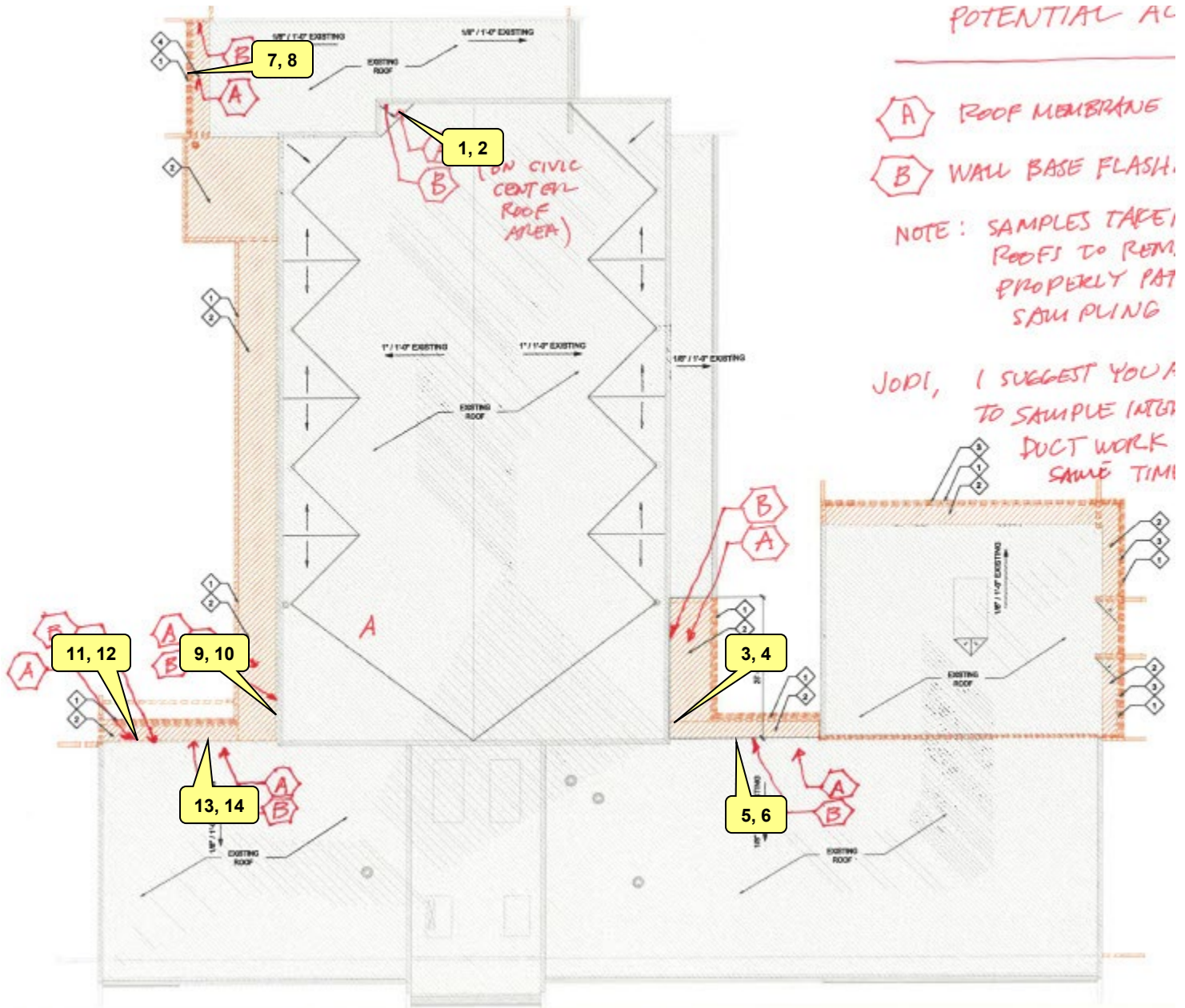
Job #: 22685 **Date:** 2-26-2025

Location: City of Port Aransas City Hall and Convention Center

Job #: 22685 **Date:** 2-26-2025

Location: City of Port Aransas City Hall and Convention Center

Job #: 22685 **Date:** 2-26-2025

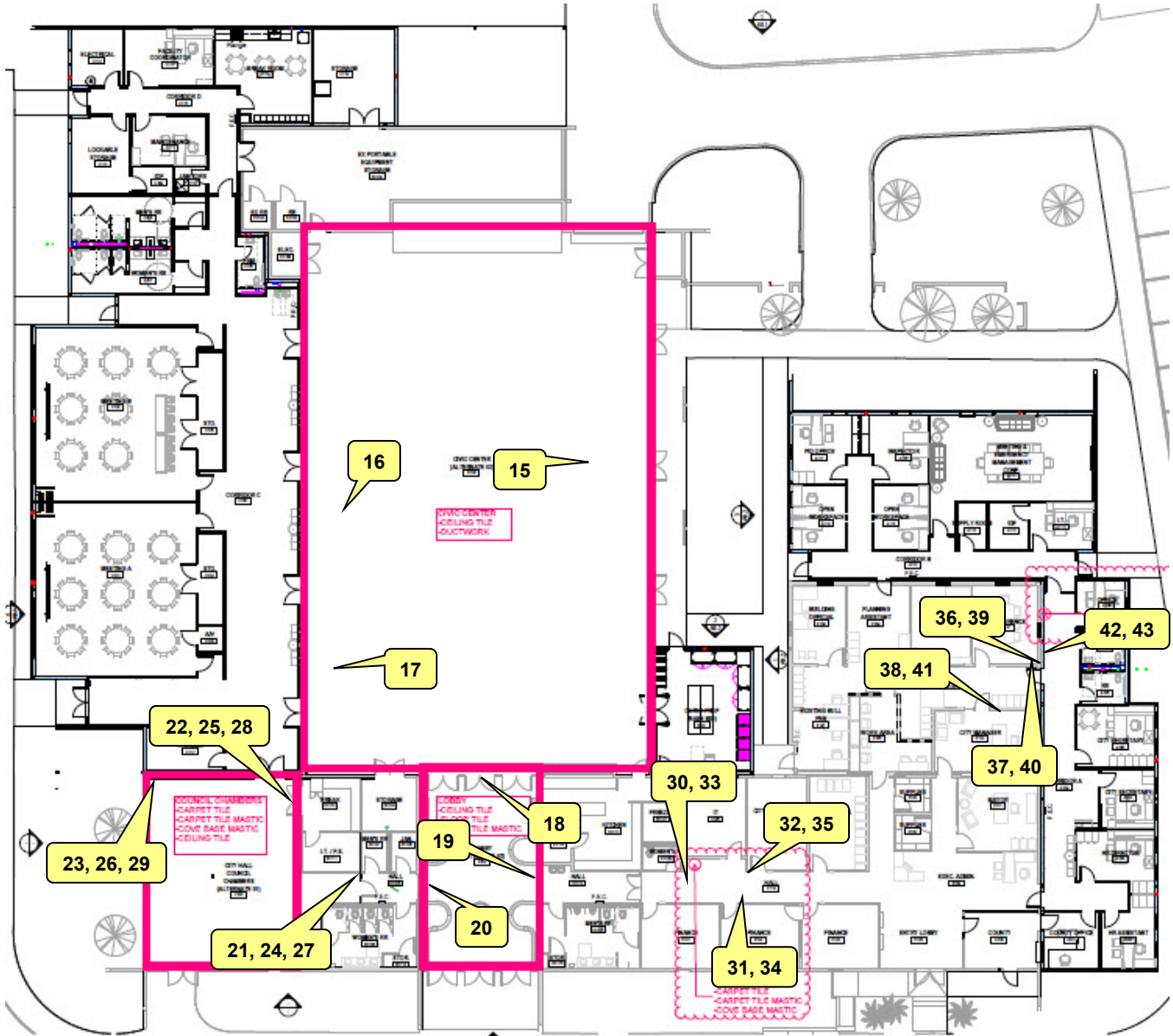


Location: City of Port Aransas City Hall and Convention Center

Job #: 22685

Date: 2-26-2025

N





Polarized Light Microscopy Laboratory Analytical Results



The Identification Specialists

Analysis Report
prepared for
SITEX Inc.

Report Date: 3/4/2025

Project Name: Port Arkansas City Hall

Project #: 22685

SanAir ID#: 25013592



NVLAP LAB CODE 200870-0

10501 Trade Court, North Chesterfield, Virginia 23236
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | LabReports@SanAir.com | SanAir.com



SanAir ID Number

25013592

FINAL REPORT

3/4/2025 4:42:34 PM

Name: SITEX Inc.

Address: 1525 S. Broadway
St. Louis, MO 63104

Phone: 713-782-4411

Project Number: 22685

P.O. Number: 9768

Project Name: Port Arkansas City Hall

Collected Date: 2/27/2025

Received Date: 2/28/2025 10:40:00 AM

Dear Wayne Pflughaupt,

We at SanAir would like to thank you for the work you recently submitted. The 43 sample(s) were received on Friday, February 28, 2025 via UPS. The final report(s) is enclosed for the following sample(s): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

A handwritten signature in black ink that reads "Sandra Sobrino".

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 43 samples in Good condition.



SanAir ID Number
25013592
FINAL REPORT
3/4/2025 4:42:34 PM

Name: SITEX Inc.
Address: 1525 S. Broadway
St. Louis, MO 63104
Phone: 713-782-4411

Project Number: 22685
P.O. Number: 9768
Project Name: Port Arkansas City Hall
Collected Date: 2/27/2025
Received Date: 2/28/2025 10:40:00 AM

Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
1 / 25013592-001 Roof Curb, Roof Curb	Various Non-Fibrous Homogeneous	10% Synthetic	90% Other	None Detected
1 / 25013592-001 Roof Curb, Tar	Black Non-Fibrous Heterogeneous	6% Glass	94% Other	None Detected
2 / 25013592-002 Roof Membrane, Membrane	Black Non-Fibrous Homogeneous	6% Glass	94% Other	None Detected
2 / 25013592-002 Roof Membrane, Insulation	Beige Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
3 / 25013592-003 Roof Curb, Roof Curb	Various Non-Fibrous Homogeneous	10% Synthetic	90% Other	None Detected
3 / 25013592-003 Roof Curb, Tar	Black Non-Fibrous Heterogeneous	6% Glass	94% Other	None Detected
4 / 25013592-004 Roof Membrane	Various Non-Fibrous Heterogeneous	8% Glass	92% Other	None Detected
5 / 25013592-005 Roof Curb, Roof Curb	Various Non-Fibrous Homogeneous	10% Synthetic	90% Other	None Detected
5 / 25013592-005 Roof Curb, Tar	Black Non-Fibrous Heterogeneous	6% Glass	94% Other	None Detected
6 / 25013592-006 Roof Membrane	Various Non-Fibrous Heterogeneous	7% Synthetic 5% Glass	88% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/4/2025

Date: 3/4/2025



SanAir ID Number

25013592

FINAL REPORT

3/4/2025 4:42:34 PM

Name: SITEX Inc.**Address:** 1525 S. Broadway

St. Louis, MO 63104

Phone: 713-782-4411**Project Number:** 22685**P.O. Number:** 9768**Project Name:** Port Arkansas City Hall**Collected Date:** 2/27/2025**Received Date:** 2/28/2025 10:40:00 AM

Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
7 / 25013592-007 Roof Curb, Roof Curb	Various Non-Fibrous Homogeneous	10% Synthetic	90% Other	None Detected
7 / 25013592-007 Roof Curb, Tar	Black Non-Fibrous Heterogeneous	6% Glass	94% Other	None Detected
8 / 25013592-008 Roof Membrane, Membrane	Black Non-Fibrous Homogeneous	6% Glass	94% Other	None Detected
8 / 25013592-008 Roof Membrane, Insulation	Beige Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
9 / 25013592-009 Roof Curb, Roof Curb	Various Non-Fibrous Homogeneous	10% Synthetic	90% Other	None Detected
9 / 25013592-009 Roof Curb, Tar	Black Non-Fibrous Heterogeneous	6% Glass	94% Other	None Detected
10 / 25013592-010 Roof Membrane	Black Non-Fibrous Homogeneous	6% Glass	94% Other	None Detected
11 / 25013592-011 Roof Curb, Roof Curb	Various Non-Fibrous Homogeneous	10% Synthetic	90% Other	None Detected
11 / 25013592-011 Roof Curb, Tar	Black Non-Fibrous Heterogeneous	6% Glass	94% Other	None Detected
12 / 25013592-012 Roof Membrane, Membrane	Black Non-Fibrous Homogeneous	6% Glass	94% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory:

Johnathan Wilson

Analysis Date: 3/4/2025

Date: 3/4/2025



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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
12 / 25013592-012 Roof Membrane, Insulation	Beige Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
13 / 25013592-013 Roof Curb, Roof Curb	Various Non-Fibrous Homogeneous	10% Synthetic	90% Other	None Detected
13 / 25013592-013 Roof Curb, Tar	Black Non-Fibrous Heterogeneous	6% Glass	94% Other	None Detected
13 / 25013592-013 Roof Curb, Insulation	Beige Fibrous Homogeneous	65% Cellulose	35% Other	None Detected
14 / 25013592-014 Roof Membrane, Membrane	Black Non-Fibrous Homogeneous	6% Glass	94% Other	None Detected
14 / 25013592-014 Roof Membrane, Insulation	Beige Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
15 / 25013592-015 Ceiling Tile	White Fibrous Homogeneous	45% Cellulose 10% Glass	45% Other	None Detected
16 / 25013592-016 Ceiling Tile	White Fibrous Homogeneous	45% Cellulose 10% Glass	45% Other	None Detected
17 / 25013592-017 Ceiling Tile	White Fibrous Homogeneous	45% Cellulose 10% Glass	45% Other	None Detected
18 / 25013592-018 Ceiling Tile	White Fibrous Homogeneous	45% Cellulose 10% Glass	45% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory:

Johnathan Wilson

Analysis Date: 3/4/2025

Date: 3/4/2025



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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
19 / 25013592-019 Ceiling Tile	White Fibrous Homogeneous	45% Cellulose 10% Glass	45% Other	None Detected
20 / 25013592-020 Ceiling Tile	White Fibrous Homogeneous	45% Cellulose 10% Glass	45% Other	None Detected
21 / 25013592-021 Ceiling Tile	White Fibrous Homogeneous	45% Cellulose 10% Glass	45% Other	None Detected
22 / 25013592-022 Ceiling Tile	White Fibrous Homogeneous	45% Cellulose 10% Glass	45% Other	None Detected
23 / 25013592-023 Ceiling Tile	White Fibrous Homogeneous	45% Cellulose 10% Glass	45% Other	None Detected
24 / 25013592-024 Cove Base Mastic	Cream Non-Fibrous Homogeneous		100% Other	None Detected
25 / 25013592-025 Cove Base Mastic	Cream Non-Fibrous Homogeneous		100% Other	None Detected
26 / 25013592-026 Cove Base Mastic	Cream Non-Fibrous Homogeneous		100% Other	None Detected
27 / 25013592-027 Carpet Mastic	Various Non-Fibrous Heterogeneous		100% Other	None Detected
28 / 25013592-028 Carpet Mastic	Various Non-Fibrous Heterogeneous		100% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/4/2025

Date: 3/4/2025



SanAir ID Number

25013592

FINAL REPORT

3/4/2025 4:42:34 PM

Name: SITEX Inc.**Address:** 1525 S. Broadway

St. Louis, MO 63104

Phone: 713-782-4411**Project Number:** 22685**P.O. Number:** 9768**Project Name:** Port Arkansas City Hall**Collected Date:** 2/27/2025**Received Date:** 2/28/2025 10:40:00 AM

Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
29 / 25013592-029 Carpet Mastic	Various Non-Fibrous Heterogeneous		100% Other	None Detected
30 / 25013592-030 Cove Base Mastic, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
30 / 25013592-030 Cove Base Mastic, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected
31 / 25013592-031 Cove Base Mastic, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
31 / 25013592-031 Cove Base Mastic, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected
32 / 25013592-032 Cove Base Mastic, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
32 / 25013592-032 Cove Base Mastic, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected
33 / 25013592-033 Carpet Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
34 / 25013592-034 Carpet Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
35 / 25013592-035 Carpet Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory:

Johnathan Wilson

Analysis Date: 3/4/2025

Date: 3/4/2025



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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
36 / 25013592-036 Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
37 / 25013592-037 Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
38 / 25013592-038 Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
39 / 25013592-039 Drywall	Off-White Non-Fibrous Homogeneous	< 1% Glass	100% Other	None Detected
40 / 25013592-040 Drywall	Off-White Non-Fibrous Homogeneous	< 1% Glass	100% Other	None Detected
41 / 25013592-041 Drywall	Off-White Non-Fibrous Homogeneous	< 1% Glass	100% Other	None Detected
42 / 25013592-042 Exterior Stucco, Stucco	White Non-Fibrous Homogeneous		100% Other	None Detected
42 / 25013592-042 Exterior Stucco, Cement	Grey Non-Fibrous Homogeneous		100% Other	None Detected
43 / 25013592-043 Exterior Sealant	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Susan P. Childress*Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/4/2025

Date: 3/4/2025

Disclaimer and Additional Information:
Asbestos Bulk PLM EPA 600/R-93/116

This report is the sole property of the client named on the chain-of-custody (COC) submitted to SanAir Technologies Laboratory, Inc. (SanAir). Results in the report are confidential information intended only for the use by the customer listed on the COC. Neither results nor reports will be discussed with or released to any third party without our client's written permission. The final report shall not be reproduced, except in full, without written approval of the laboratory to assure that parts of the report are not taken out of context. This report and any information contained within shall not be edited, altered, or modified in any way by any persons or agencies receiving, viewing, distributing, or otherwise possessing a copy of this final report. The laboratory reserves the right to perform amendments to any finalized report, of which shall supersede and make obsolete any previous editions. Such changes, modifications, additions, or deletions shall be effective immediately upon notice thereof, which may be given by means including but not limited to posting on the SanAir client portal website, electronic or conventional mail, or by any other means.

The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client on the COC. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample(s) in the condition received at the laboratory and information provided by the client on the COC, such as: project number, project name, collection dates, P.O. number, special instructions, samples collected by, sample numbers, sample identifications, sample type, selected analysis type, flow rate, total volume or area, and start-stop times that may affect the validity of the results in this report. Samples were received in good condition unless otherwise noted on the report. When the client requires samples to be tested that deviates from a specific method or condition, all reported results may be affected by the deviation. SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted.

This report does not constitute nor shall not be used by the client to claim product, process, system, or person certification, approval, or endorsement by NVLAP, NIST, NELAC, AIHA LAP, LLC or any other U.S. governmental agencies; all or some tests contained in this report may not be accredited by every local, state, and federal regulatory agencies. Refer to the SanAir website at www.sanair.com for copies of current certificates and scopes of various accreditations, certifications, and licenses or contact the laboratory for inquiries regarding the status or scope of an accreditation or certification.

Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. For NY state samples, method EPA 600/M4-82-020 is performed.

NYELAP Disclaimer:

Polarized-light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Accreditations, Certifications, and Licenses

National Voluntary Laboratory Accreditation Program (NVLAP) Lab Code 200870-0

City of Philadelphia Department of Public Health Air Management Services, Certification#ALL-460

Commonwealth of Pennsylvania Department of Environmental Protection Number 68-05397

California State Environmental Laboratory Accreditation Program Certificate Number 2915

Colorado Department of Public Health and Environment Registration Number AL-23143

Connecticut Department of Public Health Environmental Laboratory Registration Number PH-0105

Massachusetts Department of Labor Standards Asbestos Analytical Services License Number:

AA000222

State of Maine Department of Environmental Protection License Number: LB-0075

New York State Department of Health Laboratory ID: 11983

State of Rhode Island Department of Health Certification No.: PLM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia Department of Professional and Occupational Regulation Number:

3333000323

State of Washington Department of Ecology Laboratory ID: C989

State of West Virginia Bureau for Public Health Analytical Laboratory Number: LT000616

Vermont Department of Health License Number: Asb-Co-An-000006

Louisiana Department of Environmental Quality AI Number 212253, LELAP Lab ID #05088



1551 Oakbridge Dr. STE B
Powhatan, VA 23139
804.897.1177 / 888.895.1177
Fax 804.897.0070
sanair.com

Asbestos
Chain of Custody
Form 140, Rev 1, 1/20/2017

SanAir ID Number

25013592

Company: Sitex	Project #: 22685	Collect by: Wayne Pflughaupt
Address: 5233 IH 37 Suite A-3	Project Name: Port Aransas City Hall	Phone #: 361-815-0881
City, St., Zip: Corpus Christi, TX 78408	Date Collected: February 27, 2025	Fax #:
State of Collection: Texas Account#: 3138	P.O. Number: 9768	Email: stacyk@sitexsolutions.com

Bulk			Air			Soil		
ABB	PLM EPA 600/R-93/116	☒	ABA	PCM NIOSH 7400	☐	ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
	Positive Stop ☐		ABA-2	OSHA w/ TWA*	☐	Vermiculite & Soil		
ABEPA	PLM EPA 400 Point Count	☐	ABTEM	TEM AHERA	☐	ABSP	PLM CARB 435 (LOD <1%)	☐
ABBIK	PLM EPA 1000 Point Count	☐	ABATN	TEM NIOSH 7402	☐	ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABBEN	PLM EPA NOB**	☐	ABT2	TEM Level II	☐	ABSP2	PLM CARB 435 (LOD 0.1%)	☐
ABBCH	TEM Chatfield**	☐	Other:		☐	Dust		
ABBTM	TEM EPA NOB**	☐	New York ELAP			ABWA	TEM Wipe ASTM D-6480	☐
ABQ	PLM Qualitative	☐	PLM NY	PLM EPA 600/M4-82-020	☐	ABDMV	TEM Microvac ASTM D-5755	☐
			ABEPA2	NY ELAP 198.1	☐			
			ABENY	NY ELAP 198.6 PLM NOB	☐	Matrix	Other	
			ABBNY	NY ELAP 198.4 TEM NOB	☐			☐

** Available on 24-hr. to 5-day TAT

Water	
ABHE	EPA 100.2 ☐

Turn Around Times	3 HR (4 HR TEM) ☐	6 HR (8 HR TEM) ☐	12 HR ☐	24 HR ☐
	☒ 2 Days	☐ 3 Days	☐ 4 Days	☐ 5 Days

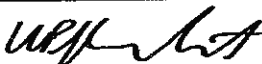
Special Instructions	
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Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
1	Roof curb				
2	Roof membrane				
3	Roof curb				
4	Roof membrane				
5	Roof curb				
6	Roof membrane				
7	Roof curb				
8	Roof membrane				
9	Roof curb				

Relinquished by	Date	Time	Received by	Date	Time
Wayne Pflughaupt	2025-02-27	17:00	ML	2/27/25	10:40 AM
<i>WPH</i>					

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or holiday work must be scheduled ahead of time and is charged for rush turnaround time. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start -- Stop Time*
10	Roof membrane				
11	Roof curb				
12	Roof membrane				
13	Roof curb				
14	Roof membrane				
15	Ceiling tile				
16	Ceiling tile				
17	Ceiling tile				
18	Ceiling tile				
19	Ceiling tile				
20	Ceiling tile				
21	Ceiling tile				
22	Ceiling tile				
23	Ceiling tile				
24	Cove base mastic				
25	Cove base mastic				
26	Cove base mastic				
27	Carpet mastic				
28	Carpet mastic				
29	Carpet mastic				
30	Cove base mastic				
31	Cove base mastic				
32	Cove base mastic				
33	Carpet mastic				
34	Carpet mastic				
35	Carpet mastic				
36	Joint compound				
37	Joint compound				
38	Joint compound				
39	Drywall				
40	Drywall				
41	Drywall				

Relinquished by	Date	Time	Received by	Date	Time
Wayne Pflughaupt	2025-02-27	17:00	MC	2/28/25	10:50 AM
					

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or holiday work must be scheduled ahead of time and is charged for rush turnaround time. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

25013592

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start – Stop Time*	
42	Exterior stucco					
43	Exterior sealant					

Special Instructions

Relinquished by	Date	Time	Received by	Date	Time
Wayne Pflughaupt	2025-02-27	17:00	<i>ML</i>	2/28/25	10:40 AM
<i>WPH</i>					

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or holiday work must be scheduled ahead of time and is charged for rush turnaround time. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



SUBSTITUTION REQUEST (During Bidding Phase)

Project: City Hall/Civic Center Expansion and Reno
Port Arkansas, TX
To: Turner, Ramirez, & Associates
Re: Comparable Product Approval
Substitution Request Number: _____
From: Camille Knezevich
Date: 3/5/25
A/E Project Number: 2023-29
Contract For: Frasch! Acoustics

Specification Title: Linear Acoustical Ceiling Baffles
Section: 095446 Page: _____
Description: Feltworks Blades
Article/Paragraph: 2.01A

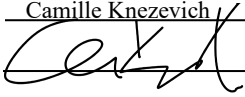
Proposed Substitution: Frasch Skinny BAFL
Manufacturer: Frasch Address: Grand Prairie, TX Phone: 682.300.3005
Trade Name: _____ Model No.: _____

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Camille Knezevich
Signed by: 
Firm: Frasch! Acoustics
Address: 1425 Avenue R
Grand Prairie, TX 75050
Telephone: 682.200.3005

A/E's REVIEW AND ACTION

- ☐ Substitution approved - Make submittals in accordance with Specification Section 01 60 00 Product Requirements.
☒ Substitution approved as noted - Make submittals in accordance with Specification Section 01 60 00 Product Requirements.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Jodi Smith Schade, Project Manager

Signed by: Turner | Ramirez Architects Date: 03/11/2025

Supporting Data Attached: ☒ Drawings ☒ Product Data ☐ Samples ☒ Tests ☒ Reports ☐ _____

Contractor to coordinate pattern and sizes as designed during submittal phase.



SUBSTITUTION REQUEST (During Bidding Phase)

Project: City Hall/Civic Center Expansion
Port Aransas, TX
To: Turner, Ramirez, & Associates
Re: Comparable Product Approval
Substitution Request Number: _____
From: Camille Knezevich
Date: 3/10/25
A/E Project Number: 2023-29
Contract For: Frasch! Acoustics
Specification Title: Wall Treatment
Section: 098430 Page: _____
Description: Akouo Acoustics WT1: GiosFelt Textures 2D
Akouo Acoustics WT2: Linear Wall panels
Article/Paragraph: 2.2A&B

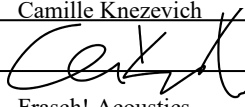
Proposed Substitution: Frasch! Acoustics (WT1: Frsch Brik Flow, WT2: Frsch Stratawood)
Manufacturer: Frasch Address: Grand Prairie, TX Phone: 682.300.3005
Trade Name: _____ Model No.: _____

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Camille Knezevich
Signed by: 
Firm: Frasch! Acoustics
Address: 1425 Avenue R
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☐ Substitution Request received too late - Use specified materials.

Jodi Smith Schade, Project Manager

Signed by: Turner | Ramirez Architects

Date: 03/11/2025

Supporting Data Attached: ☒ Drawings ☒ Product Data ☐ Samples ☒ Tests ☒ Reports ☐ _____

Contractor to coordinate pattern and sizes as designed during submittal phase.

SECTION 08 71 00 - DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware

B. Section excludes:

1. Windows
2. Cabinets (casework), including locks in cabinets
3. Signage
4. Toilet accessories
5. Overhead doors

C. Related Sections:

1. Division 01 "General Requirements" sections for Allowances, Alternates, Owner Furnished Contractor Installed, Project Management and Coordination.
2. Division 06 Section "Rough Carpentry"
3. Division 06 Section "Finish Carpentry"
4. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.
5. Division 08 Sections:
 - a. "Metal Doors and Frames"
 - b. "Flush Wood Doors"
 - c. "Stile and Rail Wood Doors"
 - d. "Interior Aluminum Doors and Frames"
 - e. "Aluminum-Framed Entrances and Storefronts"
 - f. "Stainless Steel Doors and Frames"
 - g. "Special Function Doors"
 - h. "Entrances"
6. Division 26 "Electrical" sections for connections to electrical power system and for low-voltage wiring.
7. Division 28 "Electronic Safety and Security" sections for coordination with other components of electronic access control system and fire alarm system.

1.2 REFERENCES

A. UL LLC

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Keying Systems and Nomenclature
4. Installation Guide for Doors and Hardware

C. NFPA – National Fire Protection Association

1. NFPA 70 – National Electric Code
2. NFPA 80 – 2016 Edition – Standard for Fire Doors and Other Opening Protectives
3. NFPA 101 – Life Safety Code
4. NFPA 105 – Smoke and Draft Control Door Assemblies
5. NFPA 252 – Fire Tests of Door Assemblies

D. ANSI - American National Standards Institute

1. ANSI A117.1 – 2017 Edition – Accessible and Usable Buildings and Facilities
2. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
3. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems
4. ANSI/WDMA I.S. 1A - Interior Architectural Wood Flush Doors
5. ANSI/SDI A250.8 - Standard Steel Doors and Frames

1.3 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.
2. Prior to forwarding submittal:
 - a. Review drawings and Sections from related trades to verify compatibility with specified hardware.

- b. Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

B. Action Submittals:

1. **Product Data:** Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. **Riser and Wiring Diagrams:** After final approval of hardware schedule, submit details of electrified door hardware, indicating:
 - a. **Wiring Diagrams:** For power, signal, and control wiring and including:
 - 1) Details of interface of electrified door hardware and building safety and security systems.
 - 2) Schematic diagram of systems that interface with electrified door hardware.
 - 3) Point-to-point wiring.
 - 4) Risers.
3. **Samples for Verification:** If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.
 - a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.
4. **Door Hardware Schedule:**
 - a. Submit concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.
 - b. Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.
 - c. Indicate complete designations of each item required for each opening, include:
 - 1) Door Index: door number, heading number, and Architect's hardware set number.
 - 2) Quantity, type, style, function, size, and finish of each hardware item.
 - 3) Name and manufacturer of each item.
 - 4) Fastenings and other pertinent information.
 - 5) Location of each hardware set cross-referenced to indications on Drawings.
 - 6) Explanation of all abbreviations, symbols, and codes contained in schedule.

- 7) Mounting locations for hardware.
- 8) Door and frame sizes and materials.
- 9) Degree of door swing and handing.
- 10) Operational Description of openings with electrified hardware covering egress, ingress (access), and fire/smoke alarm connections.

5. Key Schedule:

- a. After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled.
- b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
- c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
- d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
- e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
- f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

C. Informational Submittals:

- 1. Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.
- 2. Provide Product Data:
 - a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
 - b. Include warranties for specified door hardware.

D. Closeout Submittals:

- 1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:
 - a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
 - b. Catalog pages for each product.
 - c. Final approved hardware schedule edited to reflect conditions as installed.
 - d. Final keying schedule
 - e. Copy of warranties including appropriate reference numbers for manufacturers to identify project.

- f. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.

E. Inspection and Testing:

1. Submit written reports to the Owner and Authority Having Jurisdiction (AHJ) of the results of functional testing and inspection for:
 - a. Fire door assemblies, in compliance with NFPA 80.
 - b. Required egress door assemblies, in compliance with NFPA 101.

1.4 QUALITY ASSURANCE

A. Qualifications and Responsibilities:

1. Supplier: Recognized architectural hardware supplier with a minimum of 5 years documented experience supplying both mechanical and electromechanical door hardware similar in quantity, type, and quality to that indicated for this Project. Supplier to be recognized as a factory direct distributor by the manufacturer of the primary materials with a warehousing facility in the Project's vicinity. Supplier to have on staff, a certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.
2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.
3. Architectural Hardware Consultant: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:
 - a. For door hardware: DHI certified AHC or DHC.
 - b. Can provide installation and technical data to Architect and other related subcontractors.
 - c. Can inspect and verify components are in working order upon completion of installation.
 - d. Capable of producing wiring diagram and coordinating installation of electrified hardware with Architect and electrical engineers.
4. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

B. Certifications:

1. Fire-Rated Door Openings:

- a. Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction.
 - b. Provide only items of door hardware that are listed products tested by UL LLC, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.
 2. Smoke and Draft Control Door Assemblies:
 - a. Provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105
 - b. Comply with the maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.
 3. Electrified Door Hardware
 - a. Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.
 4. Accessibility Requirements:
 - a. Comply with governing accessibility regulations cited in "REFERENCES" article 087100, 1.02.D3 herein for door hardware on doors in an accessible route. This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.
- C. Pre-Installation Meetings
1. Keying Conference
 - a. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
 - 1) Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
 - 2) Preliminary key system schematic diagram.
 - 3) Requirements for key control system.
 - 4) Requirements for access control.
 - 5) Address for delivery of keys.
 2. Pre-installation Conference
 - a. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - b. Inspect and discuss preparatory work performed by other trades.
 - c. Inspect and discuss electrical roughing-in for electrified door hardware.

- d. Review sequence of operation for each type of electrified door hardware.
 - e. Review required testing, inspecting, and certifying procedures.
 - f. Review questions or concerns related to proper installation and adjustment of door hardware.
3. Electrified Hardware Coordination Conference:
- a. Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping.
- B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package. Deliver each article of hardware in manufacturer's original packaging.
- C. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.
- D. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.
- E. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- F. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

1.6 COORDINATION

- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.

- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

1.7 WARRANTY

- A. Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within published warranty period.
 - 1. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.
 - 2. Warranty Period: Beginning from date of Substantial Completion, for durations indicated in manufacturer's published listings.
 - a. Mechanical Warranty
 - 1) Locks
 - a) Schlage L Series: 10 years
 - b) Schlage ND Series: 10 years
 - 2) Exit Devices
 - a) Von Duprin: 10 years
 - 3) Closers
 - a) LCN 4000 Series: 30 years
 - b) LCN 1460 Series: 30 years
 - b. Electrical Warranty
 - 1) Locks
 - a) Schlage: 3 years
 - 2) Exit Devices
 - a) Von Duprin: 3 years

1.8 MAINTENANCE

- A. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.
- B. Turn over unused materials to Owner for maintenance purposes.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. The Owner requires use of certain products for their unique characteristics and project suitability to ensure continuity of existing and future performance and maintenance standards. After investigating available product offerings, the Awarding Authority has elected to prepare proprietary specifications. These products are specified with the notation: "No Substitute."
 - 1. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.
- B. Approval of alternate manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category are only to be considered by official substitution request in accordance with section 01 25 00.
- C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.2 MATERIALS

- A. Fabrication
 - 1. Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. provide screws according to manufacturer's recognized installation standards for application intended.
 - 2. Finish exposed screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
 - 3. Provide concealed fasteners wherever possible for hardware units exposed when door is closed. Coordinate with "Metal Doors and Frames", "Flush Wood Doors", "Stile and Rail Wood Doors" to ensure proper reinforcements. Advise the Architect where visible fasteners, such as thru bolts, are required.
- B. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.

1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.

C. Cable and Connectors:

1. Where scheduled in the hardware sets, provide each item of electrified hardware and wire harnesses with number and gage of wires enough to accommodate electric function of specified hardware.
2. Provide Molex connectors that plug directly into connectors from harnesses, electric locking and power transfer devices.
3. Provide through-door wire harness for each electrified locking device installed in a door and wire harness for each electrified hinge, electrified continuous hinge, electrified pivot, and electric power transfer for connection to power supplies.

2.3 HINGES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Ives 5BB series
2. Acceptable Manufacturers and Products:
 - a. Hager
 - b. McKinney
 - c. Stanley

B. Requirements:

1. Provide hinges conforming to ANSI/BHMA A156.1.
2. Provide five knuckle, ball bearing hinges.
3. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:
 - a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
 - b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high
4. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
 - a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
 - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
5. Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.
6. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
7. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
 - a. Steel Hinges: Steel pins

- b. Non-Ferrous Hinges: Stainless steel pins
 - c. Out-Swinging Exterior Doors: Non-removable pins
 - d. Out-Swinging Interior Lockable Doors: Non-removable pins
8. Provide hinges with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component. Provide mortar guard for each electrified hinge specified.

2.4 CONTINUOUS HINGES

A. Manufacturers:

- 1. Scheduled Manufacturer:
 - a. Ives
- 2. Acceptable Manufacturers:
 - a. Hager
 - b. Stanley

B. Requirements:

- 1. Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.26, Grade 1.
- 2. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum.
- 3. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
- 4. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.
- 5. On fire-rated doors, provide aluminum geared continuous hinges classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
- 6. Provide aluminum geared continuous hinges with electrified option scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
- 7. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.

2.5 ELECTRIC POWER TRANSFER

A. Manufacturers:

1. Scheduled Manufacturer and Product:
 - a. Von Duprin EPT-10
 2. Acceptable Manufacturers and Products:
 - a. No Substitute
- B. Requirements:
1. Provide power transfer with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
 2. Locate electric power transfer per manufacturer's template and UL requirements, unless interference with operation of door or other hardware items.

2.6 FLUSH BOLTS

- A. Manufacturers:
1. Scheduled Manufacturer:
 - a. Ives
 2. Acceptable Manufacturers:
 - a. Rockwood
 - b. Trimco
- B. Requirements:
1. Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless-steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.

2.7 COORDINATORS

- A. Manufacturers:
1. Scheduled Manufacturer:
 - a. Ives
 2. Acceptable Manufacturers:

- a. Rockwood
- b. Trimco

B. Requirements:

1. Where pairs of doors are equipped with automatic flush bolts, an astragal, or other hardware that requires synchronized closing of the doors, provide bar-type coordinating device, surface applied to underside of stop at frame head.
2. Provide filler bar of correct length for unit to span entire width of opening, and appropriate brackets for parallel arm door closers, surface vertical rod exit device strikes, or other stop mounted hardware. Factory-prepared coordinators for vertical rod devices as specified.

2.8 MORTISE LOCKS

A. Manufacturers and Products:

1. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

1. Provide motor based electrified locksets that comply with the following requirements:
2. (KEY OVERRIDE OPTION WHEN XL13-439 IS SPECIFIED IN HARDWARE SETS) Provide locks with a key override feature built into the chassis that allows the outside key to retract the deadbolt and/or latchbolt, overriding the inside thumbturn when it is being held in the locked position.
3. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.
 - a. Vandlgard: Provide levers with vandal resistant technology for use at heavy traffic or abusive applications.
 - b. Lever Design: RHODES

2.9 CYLINDRICAL LOCKS – GRADE 1

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Schlage ND series
2. Acceptable Manufacturers and Products:

a. No Substitute

B. Requirements:

1. Provide cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 1, and UL Listed for 3-hour fire doors.
2. Indicators: Where specified, provide escutcheon with lock status indicator window on top of lockset rose:
 - a. Escutcheon height (including rose) 6.05 inches high by 3.68 inches wide.
 - b. Indicator window measuring a minimum 3.52-inch by .60 inch with 1.92 square-inches of front facing viewing area and 180-degree visibility with a total of .236 square-inches of total viewable area.
 - c. Provide snap-in serviceable window to prevent tampering. Lock must function if indicator is compromised.
 - d. Provide messages color-coded with full text and symbol, as scheduled, for easy visibility.
 - e. Unlocked and Unoccupied message will display on white background, and Locked and Occupied message will display on red background.
3. Cylinders: Refer to "KEYING" article, herein.
4. Provide locks with standard 2-3/4 inches (70 mm) backset, unless noted otherwise, with 1/2-inch latch throw. Provide proper latch throw for UL listing at pairs.
5. Provide locksets with separate anti-rotation thru-bolts, and no exposed screws.
6. Provide independently operating levers with two external return spring cassettes mounted under roses to prevent lever sag.
7. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
8. Provide electrified options as scheduled in the hardware sets.
9. Lever Trim: Solid cast levers without plastic inserts and wrought roses on both sides.
 - a. Vandlgard: Provide levers with vandal resistant technology for use at heavy traffic or abusive applications.
 - b. Lever Design: RHODES.

2.10 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Von Duprin 99/33A series
2. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide grooved touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
4. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
5. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
6. Provide exit devices with weather resistant components that can withstand harsh conditions of various climates and corrosive cleaners used in outdoor pool environments.
7. Provide flush end caps for exit devices.
8. Provide exit devices with manufacturer's approved strikes.
9. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
10. Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
11. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
12. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
13. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
14. Provide electrified options as scheduled.
15. Top latch mounting: double- or single-tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
16. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.
17. Special Options:
 - a. XP
 - 1) Rim Exit Devices: provide devices with non-tapered smart latchbolt with 90° latchbolt to strike engagement under stress and Static Load Resistance of 2000 pounds.
 - b. HH
 - 1) Provide wind and impact rated hurricane exit devices and mullions certified to comply with Florida Building Code (FBC) TAS 201, 202, 203.

2.11 CYLINDERS

A. Manufacturers:

1. Scheduled Manufacturer and Product:
 - a. CONVENTIONAL
2. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

1. Provide cylinders/cores to match Owner's existing key system, compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.

2.12 KEYING

A. Scheduled System:

1. Existing factory registered system:
 - a. Provide cylinders/cores keyed into Owner's existing factory registered keying system. Comply with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.
2. Existing non-factory registered system:
 - a. Provide cylinders/cores keyed into Owner's existing keying system managed by Owner's locksmith, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference. Contact:
 - 1) Firm Name:
 - 2) Contact Person:
 - 3) Telephone:

B. Requirements:

1. Permanent Keying:
 - a. Provide permanent cylinders/cores keyed by the manufacturer according to the following key system.
 - 1) Master Keying system as directed by the Owner.

- b. Forward biting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements will be cause for replacement of cylinders/cores involved at no additional cost to Owner.
- c. Provide keys with the following features:
 - 1) Material: Nickel silver; minimum thickness of .107-inch (2.3mm)
 - 2) Patent Protection: Keys and blanks protected by one or more utility patent(s).
 - 3) Geographically Exclusive: Where High Security or Security cylinders/cores are indicated, provide nationwide, geographically exclusive key system complying with the following restrictions.
- d. Identification:
 - 1) Mark permanent cylinders/cores and keys with applicable blind code for identification. Do not provide blind code marks with actual key cuts.
 - 2) Identification stamping provisions must be approved by the Architect and Owner.
 - 3) Stamp cylinders/cores and keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE" along with the "PATENTED" or patent number to enforce the patent protection.
 - 4) Failure to comply with stamping requirements will be cause for replacement of keys involved at no additional cost to Owner.
 - 5) Forward permanent cylinders/cores to Owner, separately from keys, by means as directed by Owner.
- e. Quantity: Furnish in the following quantities.
 - 1) Permanent Control Keys: 3.
 - 2) Master Keys: 6.
 - 3) Change (Day) Keys: 3 per cylinder/core that is keyed differently
 - 4) Key Blanks: Quantity as determined in the keying meeting.

2.13 KEY CONTROL SYSTEM

A. Manufacturers:

- 1. Scheduled Manufacturer:
 - a. Telkee
- 2. Acceptable Manufacturers:
 - a. No Substitute

B. Requirements:

1. Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project.
 - a. Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.
 - b. Provide hinged-panel type cabinet for wall mounting.

2.14 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. LCN 4040XP series
2. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.
3. Cylinder Body: 1-1/2-inch (38 mm) diameter piston with 5/8-inch (16 mm) diameter double heat-treated pinion journal. QR code with a direct link to maintenance instructions.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards. Provide snap-on cover clip, with plastic covers, that secures cover to spring tube.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck. Provide graphically labelled instructions on the closer body adjacent to each adjustment valve. Provide positive stop on reg valve that prevents reg screw from being backed out.
7. Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers.
8. Pressure Relief Valve (PRV) Technology: Not permitted.

9. Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).
10. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.
11. Closers shall be capable of being upgraded by adding modular mechanical or electronic components in the field.

2.15 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. LCN 1460 series
2. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory.
2. Provide door closers with fully hydraulic, full rack and pinion action cast iron cylinder.
3. Closer Body: 1-1/4-inch (32 mm) diameter, with 5/8-inch (16 mm) diameter heat-treated pinion journal.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
7. Pressure Relief Valve (PRV) Technology: Not permitted.
8. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.16 DOOR TRIM

A. Manufacturers:

1. Scheduled Manufacturer:

- a. Ives
- 2. Acceptable Manufacturers:
 - a. Rockwood
 - b. Trimco
- B. Requirements:
 - 1. Provide push plates, push bars, pull plates, pulls, and hands-free reversible door pulls with diameter and length as scheduled.

2.17 PROTECTION PLATES

- A. Manufacturers:
 - 1. Scheduled Manufacturer:
 - a. Ives
 - 2. Acceptable Manufacturers:
 - a. Rockwood
 - b. Trimco
- B. Requirements:
 - 1. Provide protection plates with a minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
 - 2. Sizes plates 2 inches (51 mm) less width of door on single doors, pairs of doors with a mullion, and doors with edge guards. Size plates 1 inch (25 mm) less width of door on pairs without a mullion or edge guards.
 - 3. At fire rated doors, provide protection plates over 16 inches high with UL label.

2.18 OVERHEAD STOPS

- A. Manufacturers:
 - 1. Scheduled Manufacturers:
 - a. Glynn-Johnson
 - 2. Acceptable Manufacturers:
 - a. Rockwood
 - b. Trimco

B. Requirements:

1. Provide overhead stop at any door where conditions do not allow for a wall stop or floor stop presents tripping hazard.

2.19 DOOR STOPS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Rockwood
 - b. Trimco

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide concave type where lockset has a push button or thumbturn.
2. Where a wall stop cannot be used, provide universal floor stops.
3. Where wall or floor stop cannot be used, provide overhead stop.
4. Provide roller bumper where doors open into each other and overhead stop cannot be used.

2.20 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Zero International
2. Acceptable Manufacturers:
 - a. NGP
 - b. Pemko

B. Requirements:

1. Provide thresholds, weather-stripping, and gasketing systems as specified and per architectural details. Match finish of other items.

2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
3. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.
4. Size thresholds 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width unless otherwise specified in the hardware sets or detailed in the drawings.

2.21 SILENCERS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. No Substitute

B. Requirements:

1. Provide "push-in" type silencers for hollow metal or wood frames.
2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
3. Omit where gasketing is specified.

2.22 DOOR POSITION SWITCHES

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Schlage
2. Acceptable Manufacturers:
 - a. No Substitute

B. Requirements:

1. Provide recessed or surface mounted type door position switches as specified.
2. Coordinate door and frame preparations with door and frame suppliers. If switches are being used with magnetic locking device, provide minimum of 4 inches (102 mm) between switch and magnetic locking device.

2.23 COAT HOOKS

- A. Manufacturers:
 - 1. Scheduled Manufacturer:
 - a. Ives
 - 2. Acceptable Manufacturers:
 - a. Rockwood
 - b. Trimco
- B. Provide coat hooks as specified.

2.24 FINISHES

- A. FINISH: BHMA 626/652 (US26D); EXCEPT:
 - 1. Hinges at Exterior Doors: BHMA 630 (US32D)
 - 2. Aluminum Geared Continuous Hinges: BHMA 628 (US28)
 - 3. Push Plates, Pulls, and Push Bars: BHMA 630 (US32D)
 - 4. Protection Plates: BHMA 630 (US32D)
 - 5. Overhead Stops and Holders: BHMA 630 (US32D)
 - 6. Door Closers: Powder Coat to Match
 - 7. Wall Stops: BHMA 630 (US32D)
 - 8. Latch Protectors: BHMA 630 (US32D)
 - 9. Weatherstripping: Clear Anodized Aluminum
 - 10. Thresholds: Mill Finish Aluminum

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation.
- B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- C. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.
 - 1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
 - 2. Custom Steel Doors and Frames: HMMA 831.
 - 3. Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A
 - 4. Installation Guide for Doors and Hardware: DHI TDH-007-20
- B. Install door hardware in accordance with NFPA 80, NFPA 101 and provide post-install inspection, testing as specified in section 1.03.E unless otherwise required to comply with governing regulations.
- C. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.
- D. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.
- E. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.
- F. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- G. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.
- H. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated.
- I. Lock Cylinders:
 - 1. Install construction cores to secure building and areas during construction period.
 - 2. Replace construction cores with permanent cores as indicated in keying section.
 - 3. Furnish permanent cores to Owner for installation.
- J. Wiring: Coordinate with Division 26, ELECTRICAL and Division 28 ELECTRONIC SAFETY AND SECURITY sections for:
 - 1. Conduit, junction boxes and wire pulls.
 - 2. Connections to and from power supplies to electrified hardware.
 - 3. Connections to fire/smoke alarm system and smoke evacuation system.

4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
 5. Connections to panel interface modules, controllers, and gateways.
 6. Testing and labeling wires with Architect's opening number.
- K. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
- L. Continuous Hinges: Re-locate the door and frame fire rating labels where they will remain visible so that the hinge does not cover the label once installed.
- M. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.
- N. Overhead Stops: Mount overhead stops on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.
- O. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.
- P. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."
- Q. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.
- R. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
- S. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- T. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

3.3 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.
1. Spring Hinges: Adjust to achieve positive latching when door can close freely from an open position of 30 degrees.

2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.
 3. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
- B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.4 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items per manufacturer's instructions to restore proper function and finish.
- C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.5 DOOR HARDWARE SCHEDULE

- A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.
- B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application.
- C. Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.
- D. Hardware Sets:

HARDWARE GROUP NO. 001

Provide each DAP door(s) with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	NOTE	BALANCE OF HARDWARE BY DOOR Mfr		

HARDWARE GROUP NO. 101

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	ENTRANCE/OFFICE LOCK	ND50PD RHO		626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406CCV		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER

HARDWARE GROUP NO. 101AF

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5		652	IVE
1	EA	ENTRANCE/OFFICE LOCK	ND50PD RHO		626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406CCV		630	IVE
1	SET	SEAL	PERIMETER SEAL BY FRAME MFR			

HARDWARE GROUP NO. 103

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	ENTRANCE/OFFICE LOCK	ND50PD RHO		626	SCH
1	EA	WALL STOP	WS406CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

HARDWARE GROUP NO. 201

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	STOREROOM LOCK	ND80PD RHO		626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	WALL STOP	WS406CCV		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER

HARDWARE GROUP NO. 201AF

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	STOREROOM LOCK	ND80PD RHO		626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406CCV		630	IVE
1	SET	SEAL	PERIMETER SEAL BY FRAME MFR			

HARDWARE GROUP NO. 206

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T AS REQ (USE FB32/FB42 @ RATED DOORS)		630	IVE
1	EA	STOREROOM LOCK	ND80PD RHO		626	SCH
1	EA	COORDINATOR	COR X FL X MB X HW PREPS		628	IVE
2	EA	OH STOP	450S SERIES X SIZE & MTG AS REQ		652	GLY
2	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	SET	MEETING STILE	328AA (2 PCS - 1 SET)		AA	ZER

HARDWARE GROUP NO. 212S

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	MANUAL FLUSH BOLT	FB358/FB458 AS REQ		626	IVE
1	EA	STOREROOM LOCK	ND80PD RHO		626	SCH
2	EA	OH STOP	450S SERIES X SIZE & MTG AS REQ		652	GLY

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	SILENCER	SR64		GRY	IVE

HARDWARE GROUP NO. 301

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	PRIVACY LOCK W/ OUTSIDE INDICATOR	ND40S RHO OS-OCC		626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406CCV		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	EA	COAT AND HAT HOOK	582		626	IVE

HARDWARE GROUP NO. 307

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	PRIVACY LOCK W/ OUTSIDE INDICATOR	ND40S RHO OS-OCC		626	SCH
1	EA	OH STOP	450S SERIES X SIZE & MTG AS REQ		652	GLY
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	EA	COAT AND HAT HOOK	582		626	IVE

HARDWARE GROUP NO. 400C

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1HW 4.5 X 4.5		652	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T AS REQ (USE FB32/FB42 @ RATED DOORS)		630	IVE
1	EA	PASSAGE SET	ND10S RHO		626	SCH
1	EA	COORDINATOR	COR X FL X MB X HW PREPS		628	IVE
2	EA	SURFACE CLOSER	1461 SCUSH STD		689	LCN

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	SET	MEETING STILE	328AA (2 PCS - 1 SET)		AA	ZER

HARDWARE GROUP NO. 401

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5		652	IVE
1	EA	PASSAGE SET	ND10S RHO		626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406CCV		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER

HARDWARE GROUP NO. 407

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5		652	IVE
1	EA	PASSAGE SET	ND10S RHO		626	SCH
1	EA	OH STOP	450S SERIES X SIZE & MTG AS REQ		652	GLY
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER

HARDWARE GROUP NO. 501

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	CLASSROOM LOCK	ND70PD RHO		626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406CCV		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER

HARDWARE GROUP NO. 503S

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	CLASSROOM LOCK	ND70PD RHO		626	SCH
1	EA	OH STOP	450S SERIES X SIZE & MTG AS REQ		652	GLY
3	EA	SILENCER	SR64		GRY	IVE

HARDWARE GROUP NO. 507

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	CLASSROOM LOCK	ND70PD RHO		626	SCH
1	EA	OH STOP	450S SERIES X SIZE & MTG AS REQ		652	GLY
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER

HARDWARE GROUP NO. 507A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	CONT. HINGE	112XY		628	IVE
1	EA	CLASSROOM LOCK	ND70PD RHO		626	SCH
1	EA	OH STOP	410S SERIES X SIZE & MTG AS REQ		630	GLY
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	SET	SEAL	PERIMETER SEAL BY FRAME MFR			

-HARDWARE BUILT AS BASIS-OF-DESIGN AROUND KAWNEER DOOR SYSTEM.

HARDWARE GROUP NO. 700CR

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1HW 4.5 X 4.5 NRP		652	IVE
1	EA	FIRE EXIT HARDWARE	9947-EO-F		626	VON
1	EA	FIRE EXIT HARDWARE	9947-L-F-06		626	VON
1	EA	RIM CYLINDER	20-021		626	SCH

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	SURFACE CLOSER	1461 SCUSH STD		689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	SET	MEETING STILE	328AA (2 PCS - 1 SET)		AA	ZER

HARDWARE GROUP NO. 701R

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP		652	IVE
1	EA	FIRE EXIT HARDWARE	99-L-F-06		626	VON
1	EA	RIM CYLINDER	20-021		626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406CCV		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER

HARDWARE GROUP NO. C201

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	EU STOREROOM LOCK	ND80PDEU RHO RX CON 12V/24V DC		626	SCH
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406CCV		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	EA	WIRE HARNESS (IN DOOR)	ALLEGION CONNECT TYPE & LENGTH AS REQ			SCH
1	EA	WIRE HARNESS (TO POWER SUPPLY)	CON-6W - CONNECTION LEADS			SCH
1	EA	CARD READER (MT11/MT15)	BY DIVISION 28		BLK	SCE
1	EA	DOOR CONTACT	679-05 TYPE AS REQ		BLK	SCE
1	EA	POWER SUPPLY	POWER SUPPLY - WORK OF DIVISION 28			

- INGRESS BY THE CREDENTIAL READER OR KEY OVERRIDE.
- FREE EGRESS BY LEVER.
- COORDINATE POWER SUPPLY WITH SECURITY CONTRACTOR PRIOR TO SUBMITTALS.
- OMIT POWER SUPPLY WHERE PROVIDED BY SECURITY.

HARDWARE GROUP NO. C201C

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	EU STOREROOM LOCK	ND80PDEU RHO RX CON 12V/24V DC		626	SCH
1	EA	SURFACE CLOSER	1461 SCUSH STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	EA	WIRE HARNESS (IN DOOR)	ALLEGION CONNECT TYPE & LENGTH AS REQ			SCH
1	EA	WIRE HARNESS (TO POWER SUPPLY)	CON-6W - CONNECTION LEADS			SCH
1	EA	CARD READER (MT11/MT15)	BY DIVISION 28		BLK	SCE
1	EA	DOOR CONTACT	679-05 TYPE AS REQ		BLK	SCE
1	EA	POWER SUPPLY	POWER SUPPLY - WORK OF DIVISION 28			

- INGRESS BY THE CREDENTIAL READER OR KEY OVERRIDE.
- FREE EGRESS BY LEVER.
- COORDINATE POWER SUPPLY WITH SECURITY CONTRACTOR PRIOR TO SUBMITTALS.
- OMIT POWER SUPPLY WHERE PROVIDED BY SECURITY.

HARDWARE GROUP NO. C710CR

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1HW 4.5 X 4.5 NRP		652	IVE
2	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9947-EO-F-CON 24 VDC		626	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-9947-L-NL-F-06-CON 24 VDC		626	VON
1	EA	RIM CYLINDER	20-021		626	SCH

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	SURFACE CLOSER	1461 SCUSH STD		689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	SET	MEETING STILE	328AA (2 PCS - 1 SET)		AA	ZER
2	EA	WIRE HARNESS (IN DOOR)	ALLEGION CONNECT TYPE & LENGTH AS REQ			SCH
2	EA	WIRE HARNESS (TO POWER SUPPLY)	CON-6W - CONNECTION LEADS			SCH
1	EA	CARD READER (MT11/MT15)	BY DIVISION 28		BLK	SCE
2	EA	DOOR CONTACT	679-05 TYPE AS REQ		BLK	SCE
1	EA	POWER SUPPLY	POWER SUPPLY - WORK OF DIVISION 28			

-INGRESS BY THE CREDENTIAL READER OR KEY OVERRIDE.

-FREE EGRESS BY THE PUSH PADS.

-COORDINATE POWER SUPPLY WITH SECURITY CONTRACTOR PRIOR TO SUBMITTALS.

-OMIT POWER SUPPLY WHERE PROVIDED BY SECURITY

HARDWARE GROUP NO. C711CR

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP		652	IVE
1	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-99-L-NL-F-06-CON 24 VDC		626	VON
1	EA	RIM CYLINDER	20-021		626	SCH
1	EA	SURFACE CLOSER	4040XP SCUSH X MTG BRKT, SPCR & PLATE AS REQ		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	655A-V3-223		A	ZER
1	EA	WIRE HARNESS (IN DOOR)	ALLEGION CONNECT TYPE & LENGTH AS REQ			SCH
1	EA	WIRE HARNESS (TO POWER SUPPLY)	CON-6W - CONNECTION LEADS			SCH
1	EA	CARD READER (MT11/MT15)	BY DIVISION 28		BLK	SCE
1	EA	DOOR CONTACT	679-05 TYPE AS REQ		BLK	SCE

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	POWER SUPPLY	POWER SUPPLY - WORK OF DIVISION 28		

- INGRESS BY THE CREDENTIAL READER OR KEY OVERRIDE.
- FREE EGRESS BY THE PUSH PADS.
- COORDINATE POWER SUPPLY WITH SECURITY CONTRACTOR PRIOR TO SUBMITTALS.
- OMIT POWER SUPPLY WHERE PROVIDED BY SECURITY

HARDWARE GROUP NO. D206

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T AS REQ (USE FB32/FB42 @ RATED DOORS)		630	IVE
1	EA	STOREROOM LOCK	ND80PD RHO		626	SCH
1	EA	COORDINATOR	COR X FL X MB X HW PREPS		628	IVE
2	EA	OH STOP	450S SERIES X SIZE & MTG AS REQ		652	GLY
2	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	SET	MEETING STILE	328AA (2 PCS - 1 SET)		AA	ZER
2	EA	DOOR CONTACT	679-05 TYPE AS REQ		BLK	SCE

- DOOR POSITION SWITCH MONITORS DOOR FOR OPEN/CLOSED POSITION.

HARDWARE GROUP NO. D507

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	CLASSROOM LOCK	ND70PD RHO		626	SCH
1	EA	OH STOP	450S SERIES X SIZE & MTG AS REQ		652	GLY
1	EA	SURFACE CLOSER	1461 RW/PA STD		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER
1	EA	DOOR CONTACT	679-05 TYPE AS REQ		BLK	SCE

- DOOR POSITION SWITCH MONITORS DOOR FOR OPEN/CLOSED POSITION.

HARDWARE GROUP NO. WC205A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	CONT. HINGE	112XY EPT		628	IVE
1	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	EU MORTISE LOCK	L9092PEU 06A RX CON 12/24 VDC		626	SCH
1	EA	SURFACE CLOSER	4040XP SCUSH X MTG BRKT, SPCR & PLATE AS REQ		689	LCN
1	EA	RAIN DRIP	142AA DW + 4" (OMIT @ COVERED OPENINGS)		AA	ZER
1	SET	SEAL	PERIMETER SEAL BY FRAME MFR			
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	655A-V3-223		A	ZER
1	EA	WIRE HARNESS (IN DOOR)	ALLEGION CONNECT TYPE & LENGTH AS REQ			SCH
1	EA	WIRE HARNESS (TO POWER SUPPLY)	CON-6W - CONNECTION LEADS			SCH
1	EA	CARD READER (MT11/MT15)	BY DIVISION 28		BLK	SCE
1	EA	DOOR CONTACT	679-05 TYPE AS REQ		BLK	SCE
1	EA	POWER SUPPLY	POWER SUPPLY - WORK OF DIVISION 28			

- VERIFY WINDSTORM "CERTIFICATION" OF SPECIFIED HARDWARE W/DOOR SYSTEM.
- HARDWARE BUILT AS BASIS-OF-DESIGN AROUND KAWNEER DOOR SYSTEM.
- INGRESS BY THE CREDENTIAL READER OR KEY OVERRIDE.
- FREE EGRESS BY LEVER.
- COORDINATE POWER SUPPLY WITH SECURITY CONTRACTOR PRIOR TO SUBMITTALS.
- OMIT POWER SUPPLY WHERE PROVIDED BY SECURITY.

HARDWARE GROUP NO. WC205AF

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	CONT. HINGE	112XY EPT		628	IVE
1	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	EU MORTISE LOCK	L9092PEU 06A RX CON 12/24 VDC		626	SCH
1	EA	SURFACE CLOSER	4040XP SCUSH X MTG BRKT, SPCR & PLATE AS REQ		689	LCN

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	RAIN DRIP	142AA DW + 4" 	AA	ZER
			(OMIT @ COVERED OPENINGS)		
1	SET	SEAL	PERIMETER SEAL BY FRAME MFR		
1	EA	DOOR SWEEP	FAS-SEAL		STE
1	EA	THRESHOLD X NO HOLES	566A-NH-223 	A	ZER
1	EA	WIRE HARNESS (IN DOOR)	ALLEGION CONNECT TYPE & LENGTH AS REQ		SCH
1	EA	WIRE HARNESS (TO POWER SUPPLY)	CON-6W - CONNECTION LEADS		SCH
1	EA	CARD READER (MT11/MT15)	BY DIVISION 28 	BLK	SCE
1	EA	DOOR CONTACT	679-05 TYPE AS REQ 	BLK	SCE
1	EA	POWER SUPPLY	POWER SUPPLY - WORK OF DIVISION 28		

- VERIFY WINDSTORM "CERTIFICATION" OF SPECIFIED HARDWARE W/DOOR SYSTEM.
- HARDWARE BUILT AS BASIS-OF-DESIGN AROUND KAWNEER DOOR SYSTEM.
- INGRESS BY THE CREDENTIAL READER OR KEY OVERRIDE.
- FREE EGRESS BY LEVER.
- COORDINATE POWER SUPPLY WITH SECURITY CONTRACTOR PRIOR TO SUBMITTALS.
- OMIT POWER SUPPLY WHERE PROVIDED BY SECURITY.

HARDWARE GROUP NO. WC714A

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	112XY EPT 	628	IVE
2	EA	POWER TRANSFER	EPT10 CON 	689	VON
1	EA	ELEC PANIC HARDWARE	KAW-RX-QEL-HH-9947-EO-304L-CON-SNB 24 VDC 	626	VON
1	EA	ELEC PANIC HARDWARE	KAW-RX-QEL-HH-9947-NL-OP-110MD-304L-CON-SNB 24 VDC 	626	VON
1	EA	RIM CYLINDER	20-021 	626	SCH
2	EA	90 DEG OFFSET PULL	8190-O 10" 	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH X MTG BRKT, SPCR & PLATE AS REQ 	689	LCN
1	EA	RAIN DRIP	142AA DW + 4" 	AA	ZER
			(OMIT @ COVERED OPENINGS)		
1	SET	SEAL	PERIMETER SEAL BY FRAME MFR		

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	655A-V3-223		A	ZER
2	EA	WIRE HARNESS (IN DOOR)	ALLEGION CONNECT TYPE & LENGTH AS REQ			SCH
2	EA	WIRE HARNESS (TO POWER SUPPLY)	CON-6W - CONNECTION LEADS			SCH
1	EA	CARD READER (MT11/MT15)	BY DIVISION 28		BLK	SCE
2	EA	DOOR CONTACT	679-05 TYPE AS REQ		BLK	SCE
1	EA	POWER SUPPLY	POWER SUPPLY - WORK OF DIVISION 28			

- VERIFY WINDSTORM "CERTIFICATION" OF SPECIFIED HARDWARE W/DOOR SYSTEM.
- HARDWARE BUILT AS BASIS-OF-DESIGN AROUND KAWNEER DOOR SYSTEM.
- INGRESS BY THE CREDENTIAL READER OR KEY OVERRIDE.
- FREE EGRESS BY THE PUSH PADS.
- COORDINATE POWER SUPPLY WITH SECURITY CONTRACTOR PRIOR TO SUBMITTALS.
- OMIT POWER SUPPLY WHERE PROVIDED BY SECURITY

HARDWARE GROUP NO. WC715AF

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	CONT. HINGE	112XY EPT		628	IVE
1	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-HH-XP99-NL-OP-110MD- CON-SNB 24 VDC		626	VON
1	EA	RIM CYLINDER	20-021		626	SCH
1	EA	90 DEG OFFSET PULL	8190-O 10"		630	IVE
1	EA	SURFACE CLOSER	4040XP SCUSH X MTG BRKT, SPCR & PLATE AS REQ		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	RAIN DRIP	142AA DW + 4" (OMIT @ COVERED OPENINGS)		AA	ZER
1	SET	SEAL	PERIMETER SEAL BY FRAME MFR			
1	EA	DOOR SWEEP	FAS-SEAL			STE
1	EA	THRESHOLD X NO HOLES	566A-NH-223		A	ZER
1	EA	WIRE HARNESS (IN DOOR)	ALLEGION CONNECT TYPE & LENGTH AS REQ			SCH

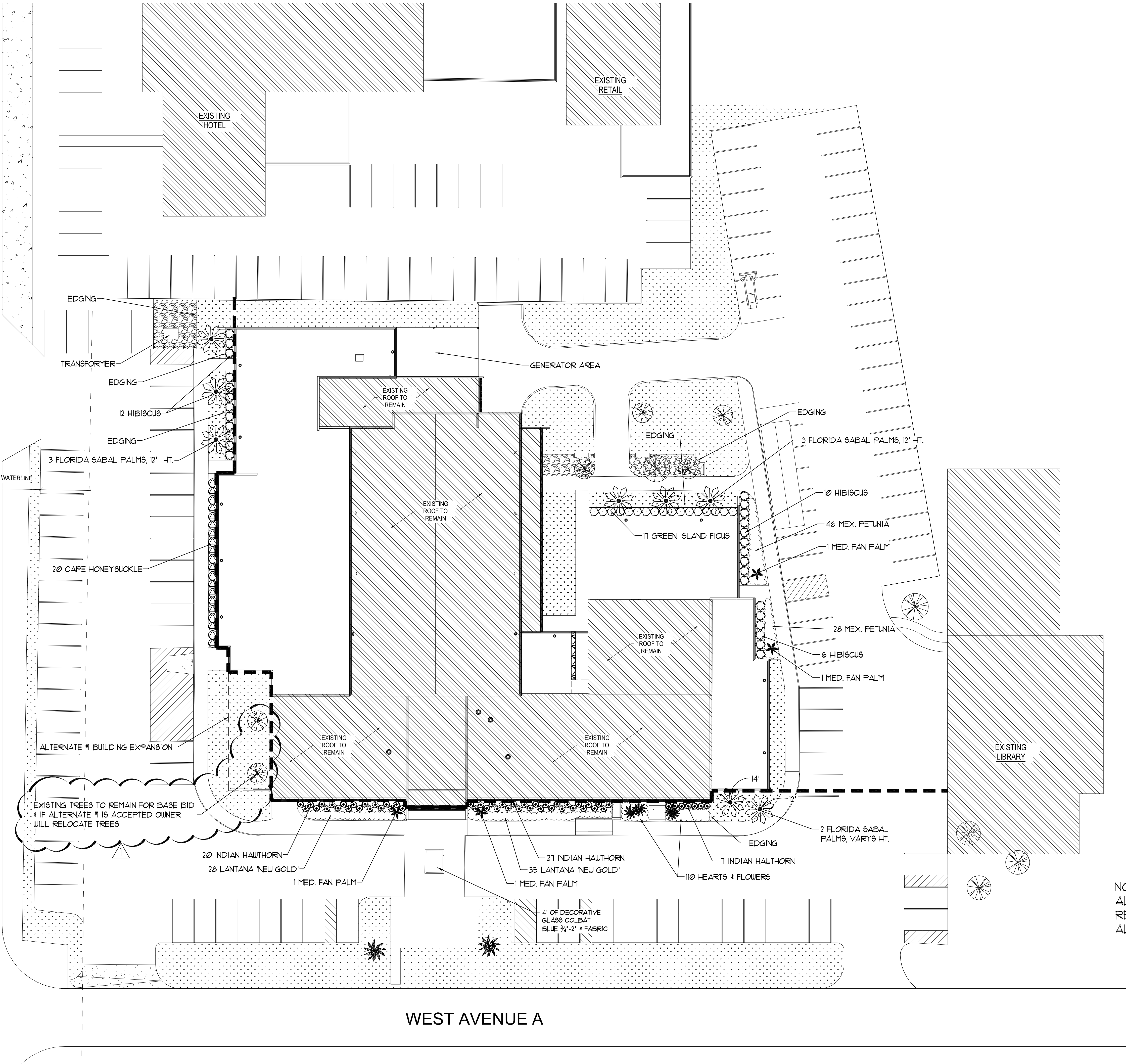
QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	WIRE HARNESS (TO POWER SUPPLY)	CON-6W - CONNECTION LEADS			SCH
1	EA	CARD READER (MT11/MT15)	BY DIVISION 28		BLK	SCE
1	EA	DOOR CONTACT	679-05 TYPE AS REQ		BLK	SCE
1	EA	POWER SUPPLY	POWER SUPPLY - WORK OF DIVISION 28			

- VERIFY WINDSTORM "CERTIFICATION" OF SPECIFIED HARDWARE W/DOOR SYSTEM.
- INGRESS BY THE CREDENTIAL READER OR KEY OVERRIDE.
- FREE EGRESS BY THE PUSH PADS.
- COORDINATE POWER SUPPLY WITH SECURITY CONTRACTOR PRIOR TO SUBMITTALS.
- OMIT POWER SUPPLY WHERE PROVIDED BY SECURITY.

END OF SECTION 08 71 00

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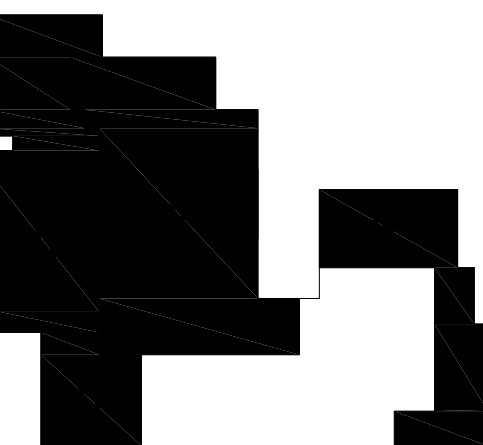
AVENUE G



GIGNAC
LANDSCAPE
ARCHITECTURE
Robert Gignac, ASLA, RLA #1559
gignaclandscape@aol.com 361.853.0795
3833 S. Staples, Ste. 20-119 Corpus Christi, TX 78411

TURNER | RAMIREZ
ARCHITECTS

CITY OF PORT ARANSAS
CITY HALL EXPANSION
710 WEST AVENUE A,
PORT ARANSAS, TX 78373

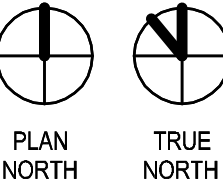


LEGEND

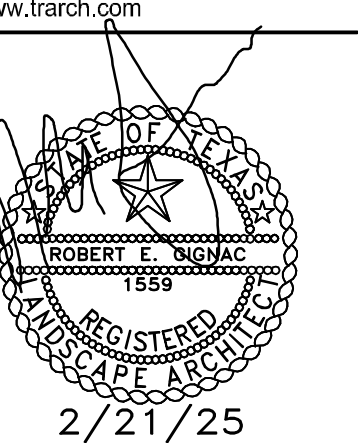
- SOLID BERMUDA SOD W/ 2" OF TOP SOIL
- EXISTING LAWN COVER TO REMAIN & PROTECT
- 2'-6" WHITE RIVER ROCK 6" DEEP ON A LANDSCAPE FABRIC
- STREETYARD LIMIT LINE
- EXISTING TREES TO REMAIN, PRUNE & PROTECT
- EXISTING PALMS TO REMAIN, PRUNE, SHAG & PROTECT

NOTE:
ALL EXISTING FOUNDATION PLANTING TO BE REMOVED & DISPOSED OF PROPERLY. TAG ALL REMOVALS FOR APPROVAL

LANDSCAPE PLAN
SCALE: 1" = 20'-0"



KEY PLAN
TURNER | RAMIREZ ARCHITECTS
3751 S. ALAMEDA ST.
CORPUS CHRISTI, TX 78411
p (361) 994-8900

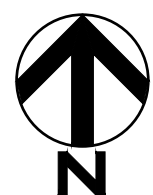
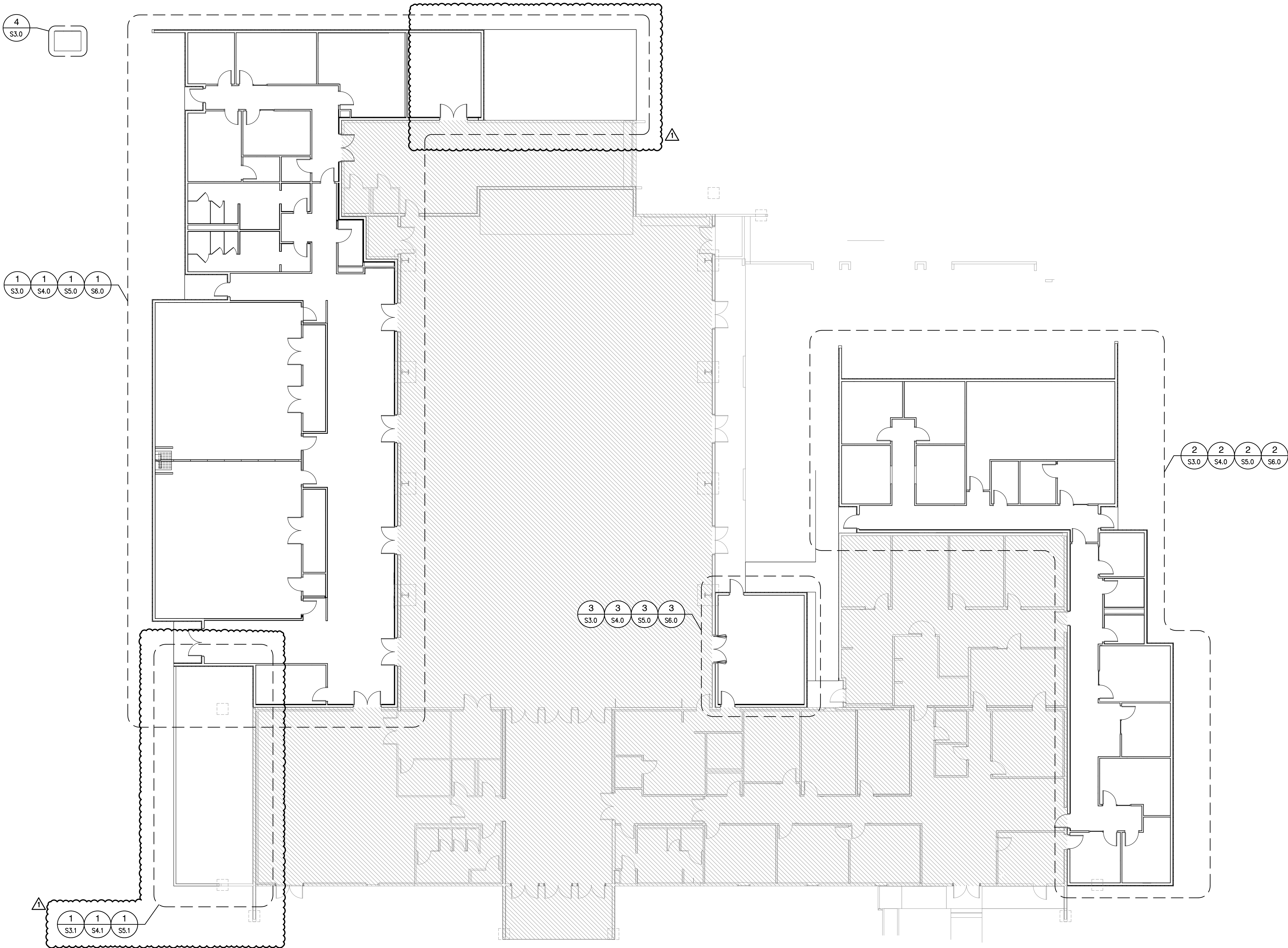


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LANDSCAPE PLAN

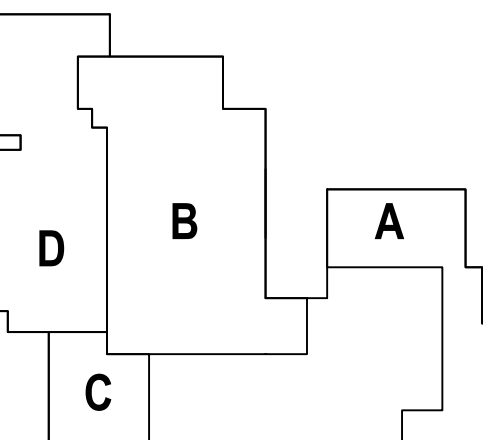
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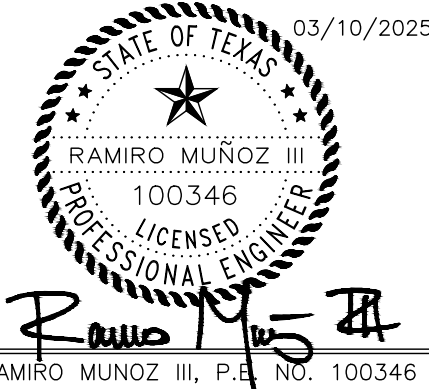


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S2.0
KEY PLAN
SCALE: 3/32" = 1'-0"

CITY OF PORT ARANSAS
CITY HALL EXPANSION
710 WEST AVENUE A,
PORT ARANSAS, TX 78373



KEY PLAN
TURNER | RAMIREZ ARCHITECTS
3751 S. ALAMEDA ST.
CORPUS CHRISTI, TX 78411
p (361)994-8900
www.trarch.com



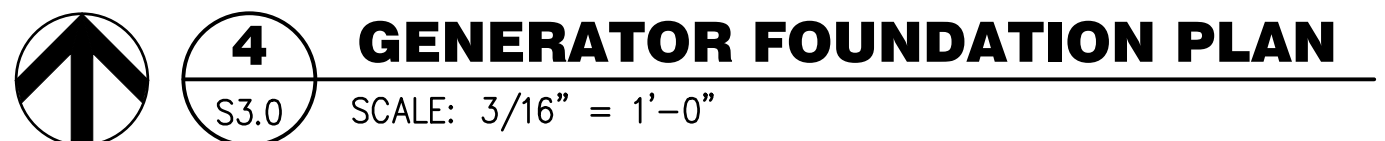
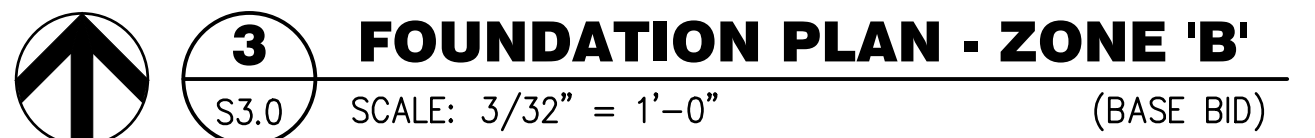
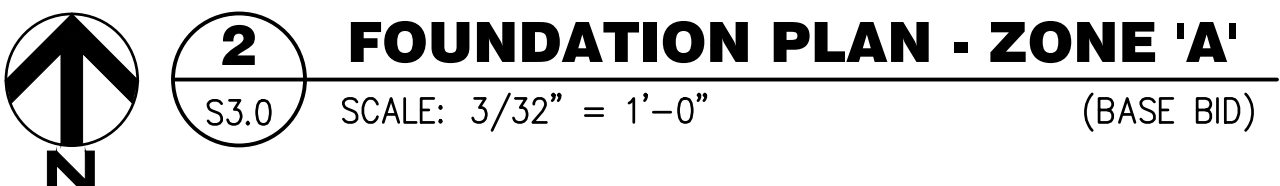
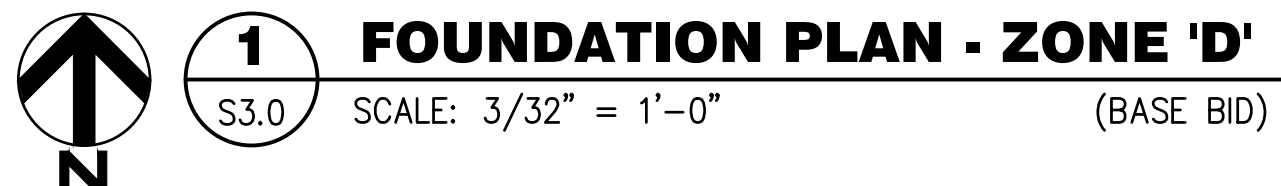
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KEY PLAN

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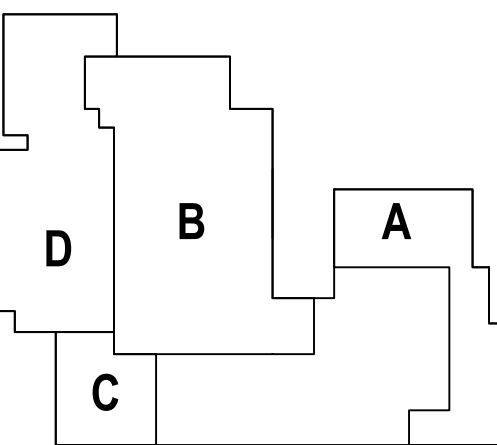
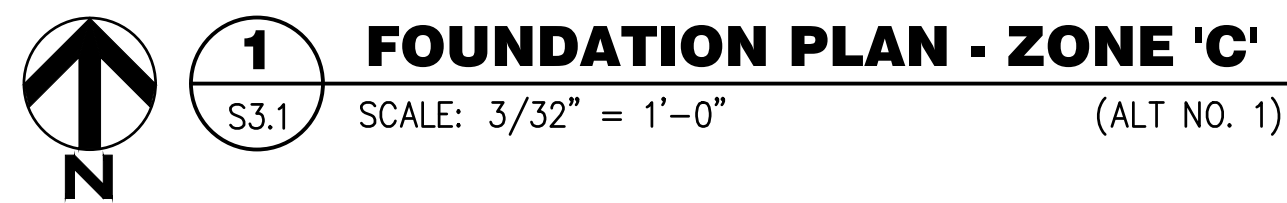
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→ SLOPE



	IFB	02/1/2025
	ADDENDUM I	03/10/2025
DESCRIPTION	DATE	
PROJECT ISSUE DATE:	03/10/2025	
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DRAWN BY:	JPW	
CHECKED BY:	RMMI	
PROJECT NUMBER:	2023-29	
PROJECT IDENTIFICATION		

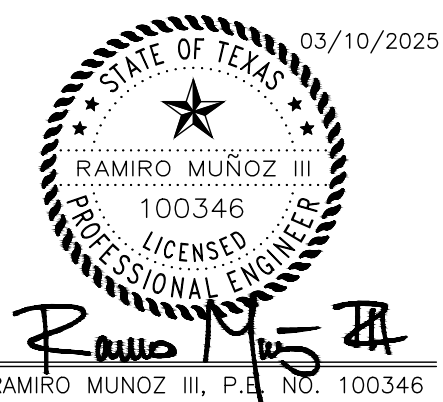
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KEY PLAN

URNER | RAMIREZ ARCHITECTS
751 S. ALAMEDA ST.
CORPUS CHRISTI, TX 78411
(361)994-8900

www.trarch.com

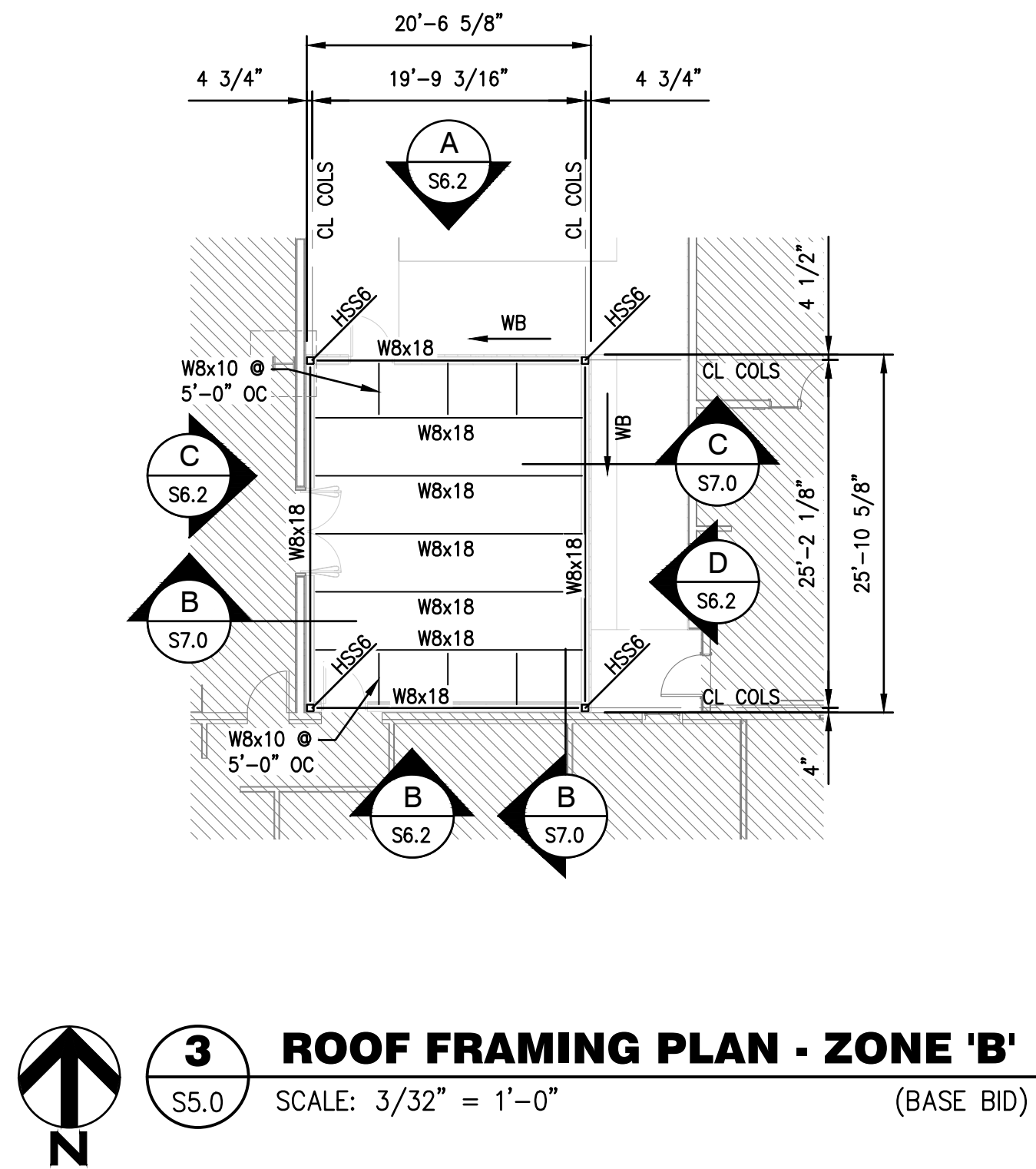
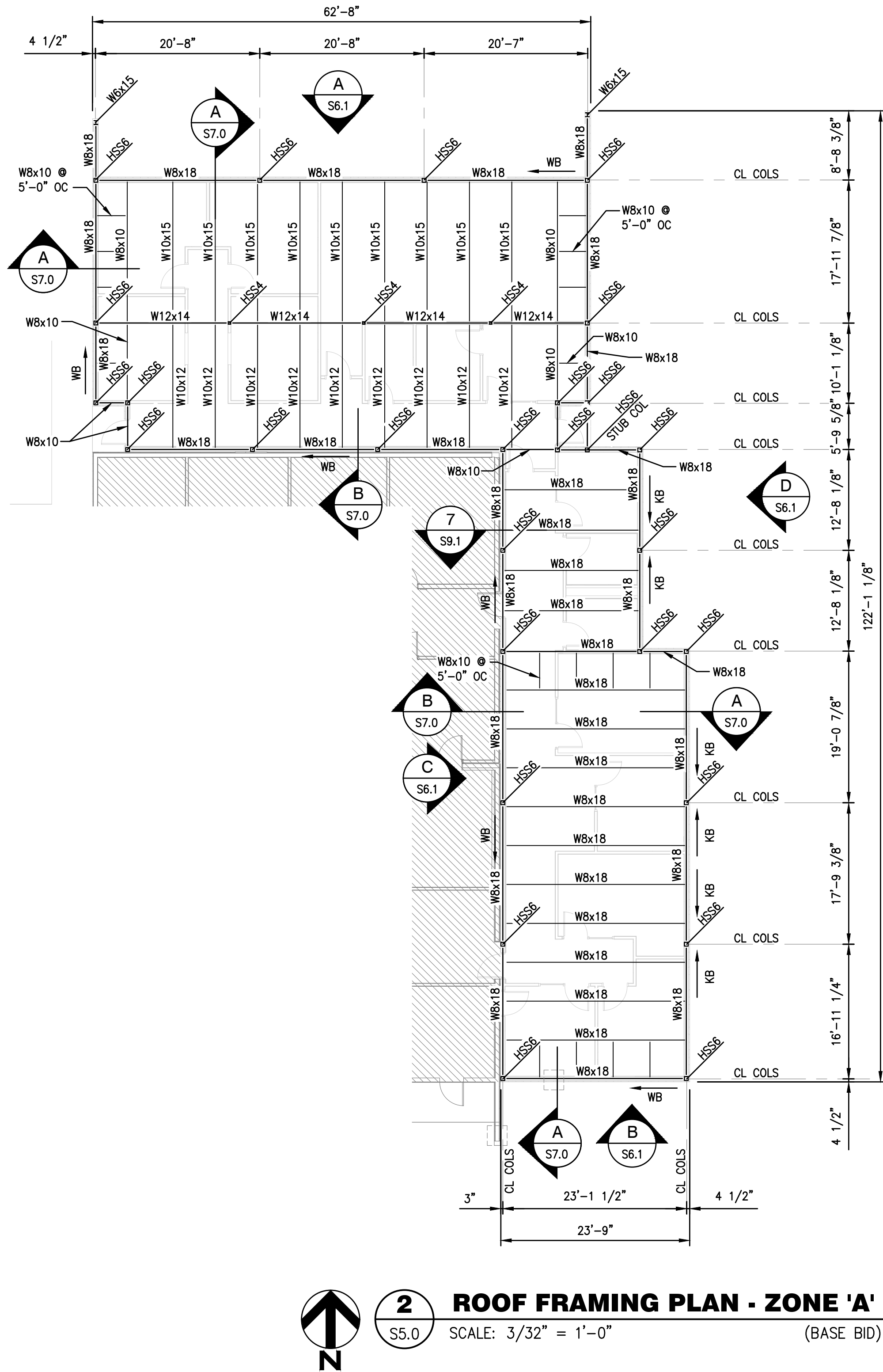
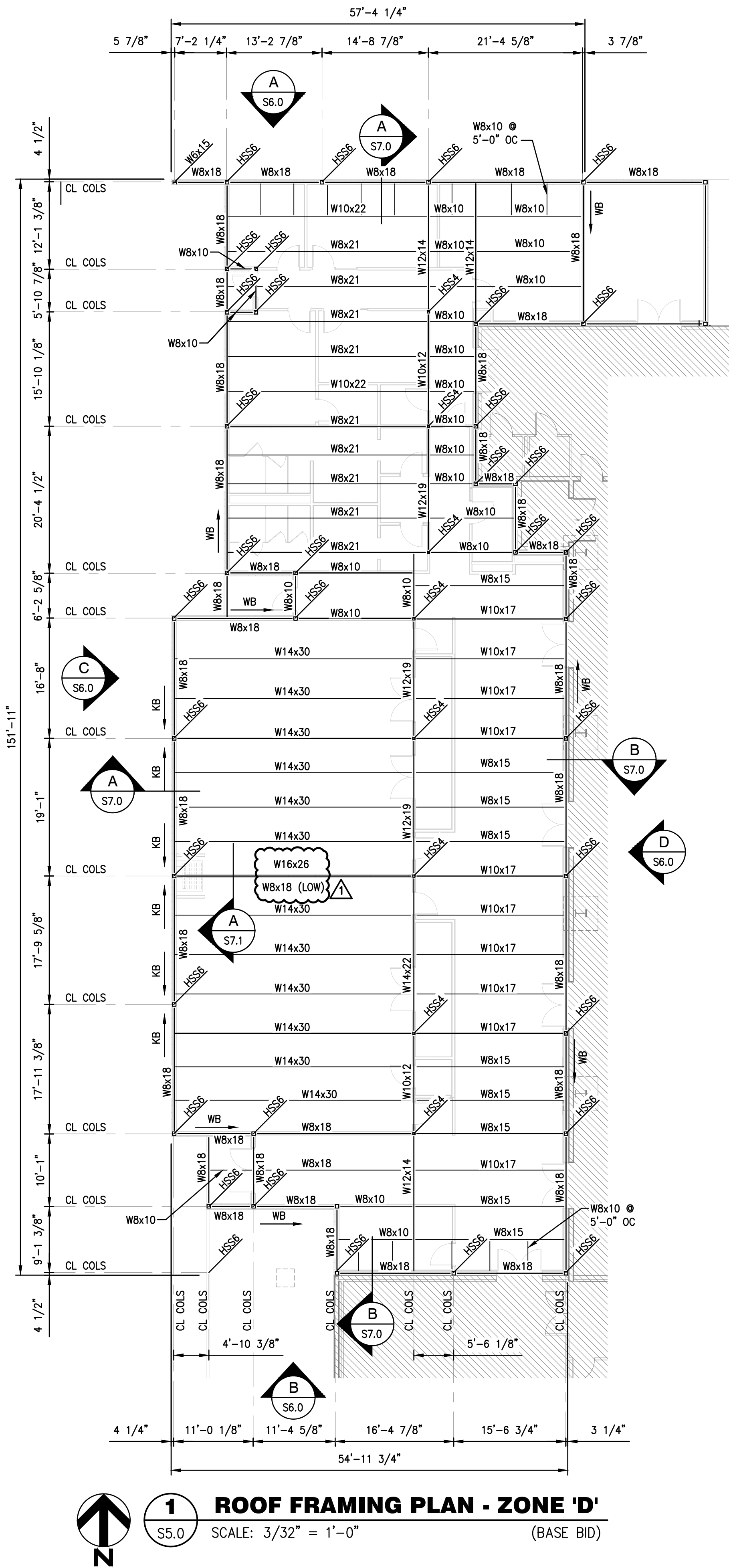


SEAL		
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REV.	DESCRIPTION	DATE
	PROJECT ISSUE DATE:	03/10/2025
	PHASE:	ISSUE FOR BID
	DRAWN BY:	JPW
	CHECKED BY:	RMH
	PROJECT NUMBER:	2023-29
SHEET IDENTIFICATION		

ENLARGED
FOUNDATION PLANS II

3.1

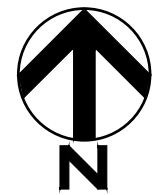
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FRAMING NOTES & LEGEND:

- CONTRACTOR TO COORDINATE STRUCTURAL FRAMING WITH ARCHITECTURAL ASPECT OF PROJECT AND ALL REQUIRED CHANGES SHALL BE GOVERNED BY STRUCTURAL DESIGN.
- NOT ALL STEEL LEDGER ANGLES AND DECK CLOSURE ANGLES ARE SHOWN FOR CLARITY (REFER TO SECTIONS FOR SIZES AND LOCATIONS).
- ROOF OPENINGS AND PENETRATIONS INDICATED ON PLAN SHALL BE COORDINATED WITH ARCHITECTURAL AND/OR MECHANICAL REQUIREMENTS AS NECESSARY.
- ALL BEAMS SHALL BE EQUALLY SPACED, UNO.

KB	KNEE BRACE HSS6x6x3/8, UNO
WB	WIND BRACE HSS6x6x3/8, UNO
HSS6	HSS6x6x1/4
HSS4	HSS4x4x1/4
C6	C6x8.2

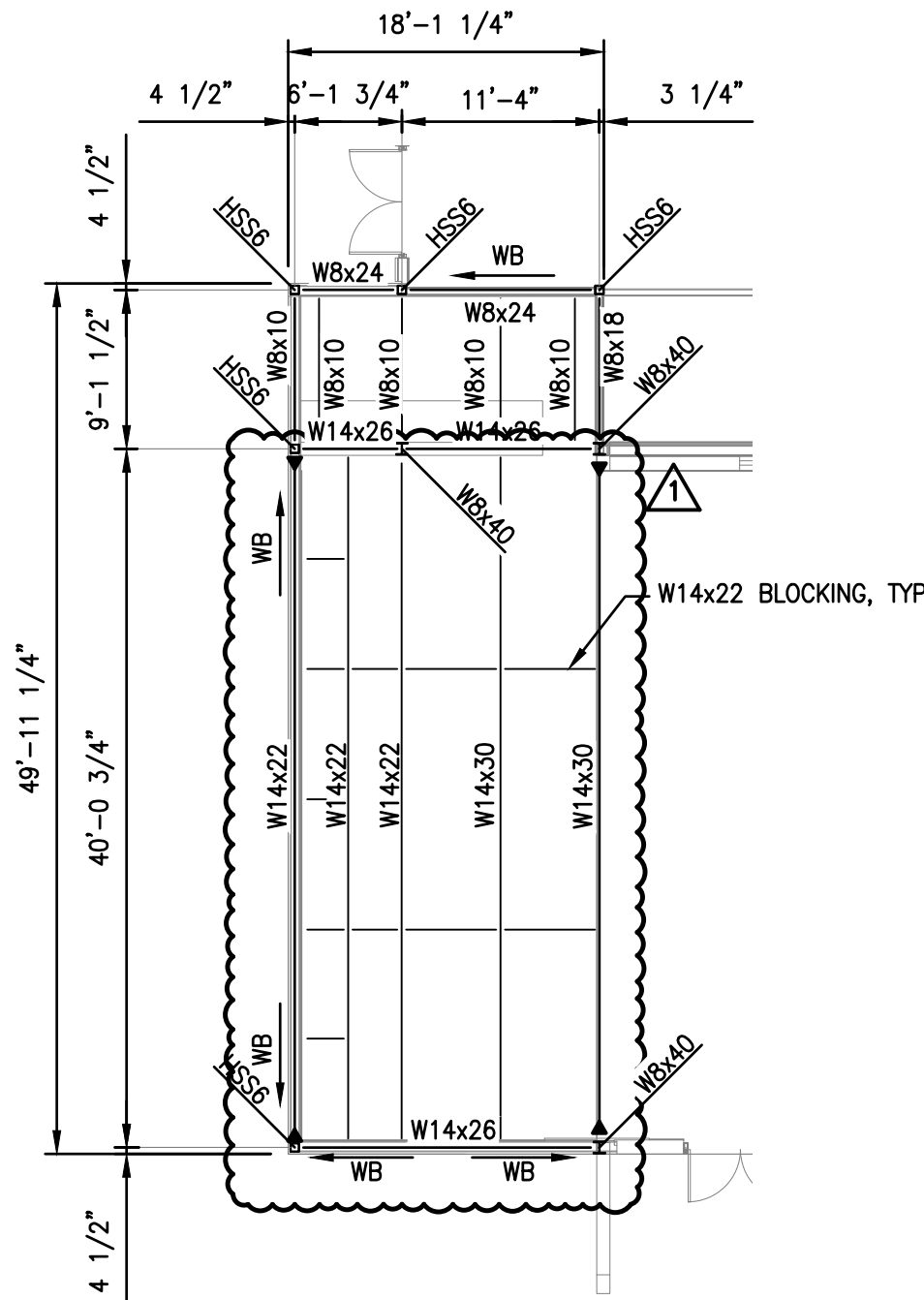


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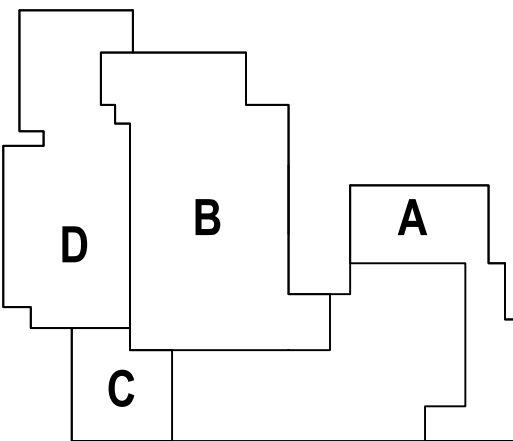
S5.1

ROOF FRAMING PLAN - ZONE 'C'

SCALE: 3/32" = 1'-0" (ALT. NO. 1)

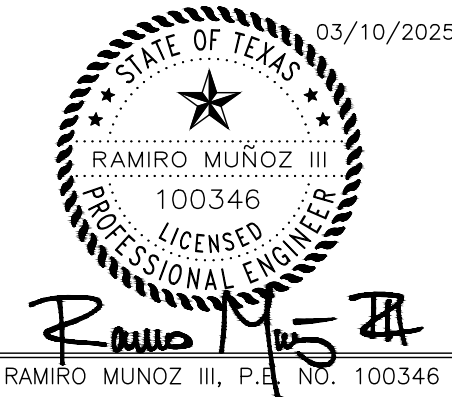


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3751 S. ALAMEDA ST.
CORPUS CHRISTI, TX 78411
p (361)994-8800

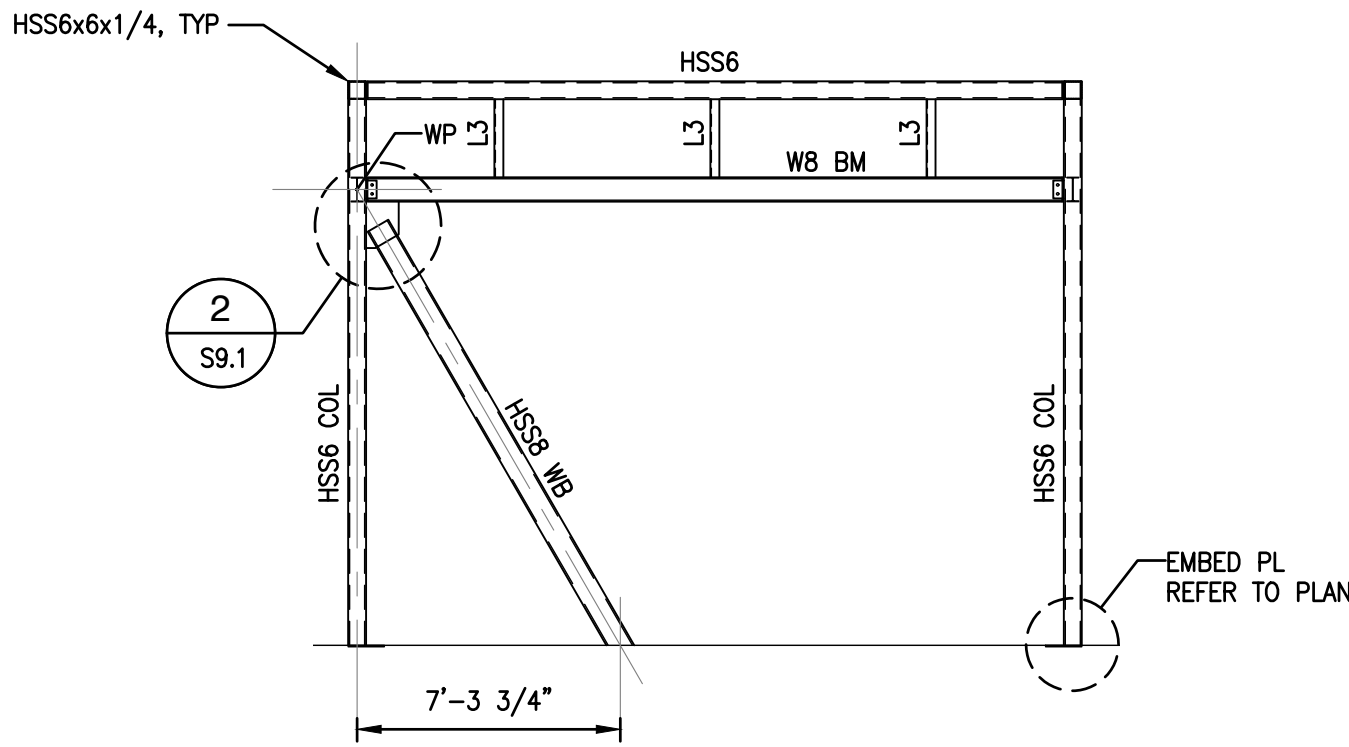
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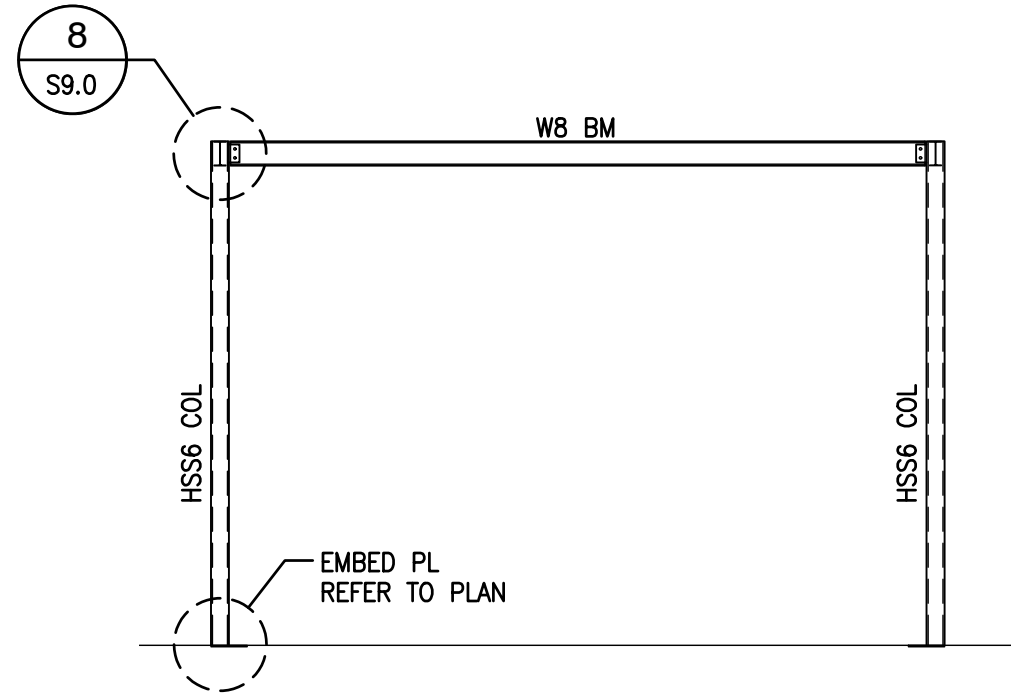
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ENLARGED ROOF
FRAMING PLANS II

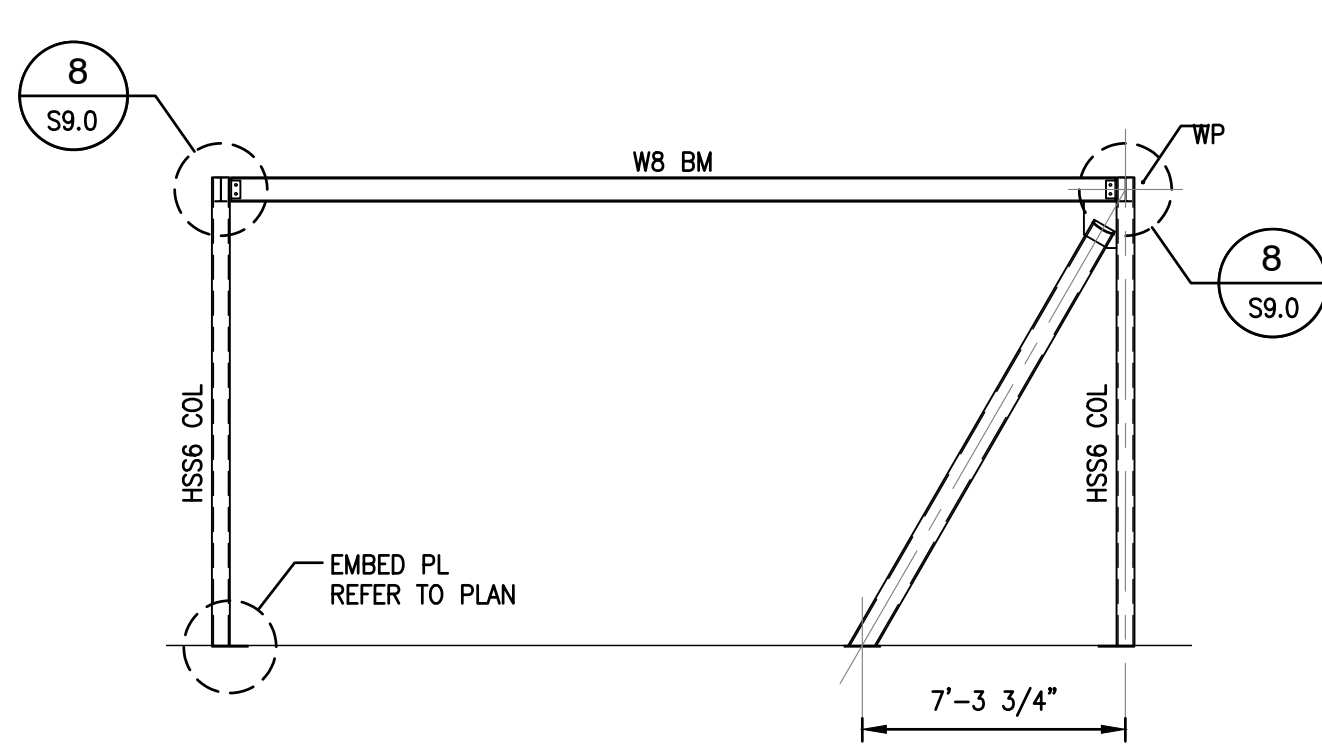
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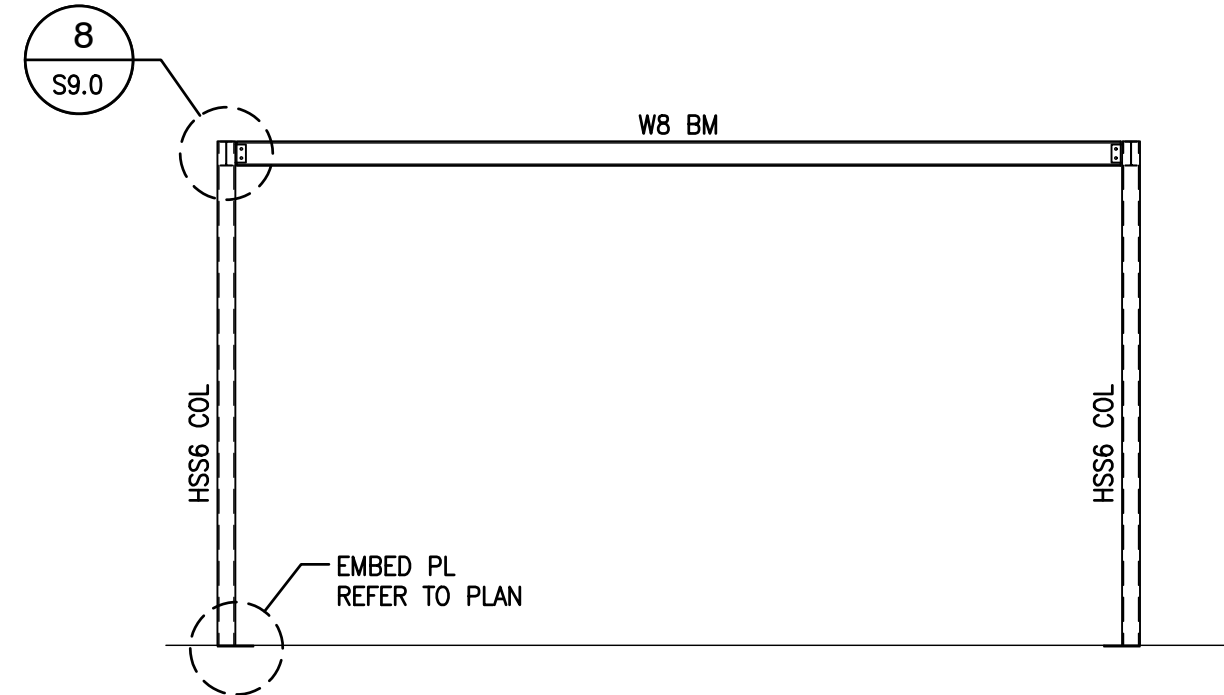
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S6.2 SCALE: 3/16" = 1'-0" (BASE BID)



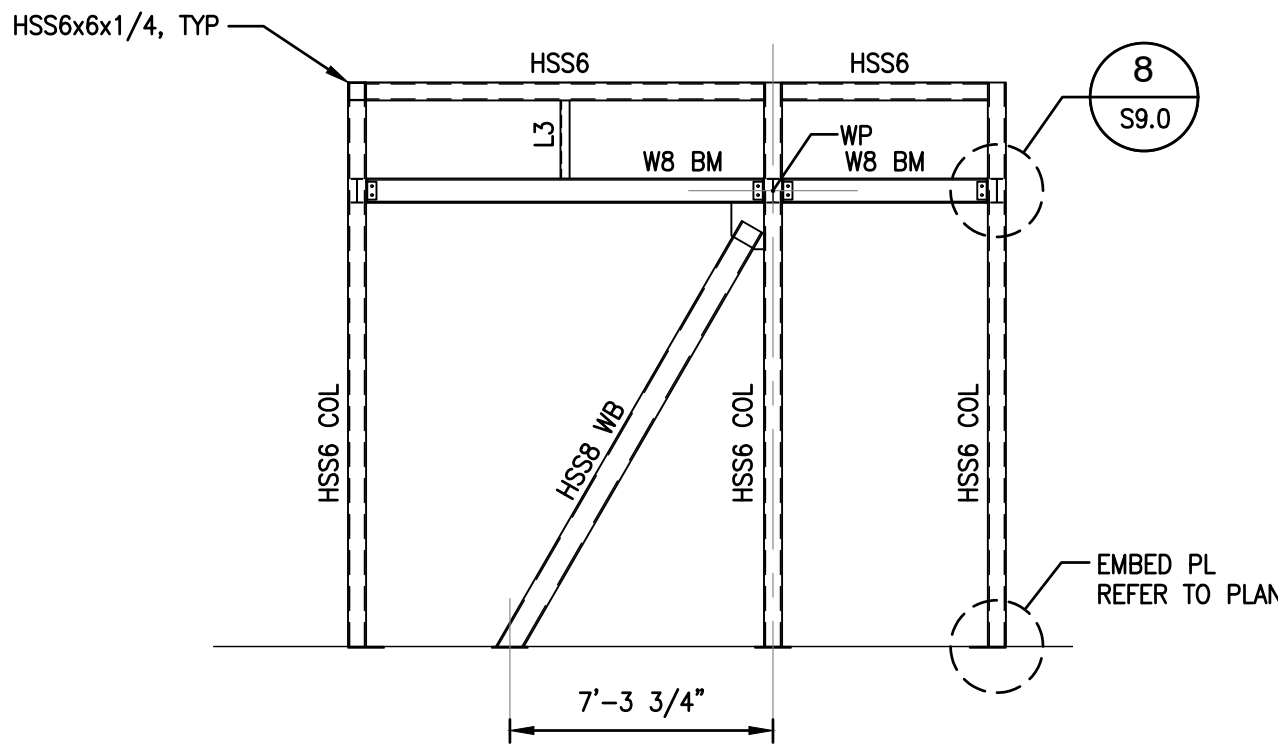
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S6.2 SCALE: 3/16" = 1'-0" (BASE BID)



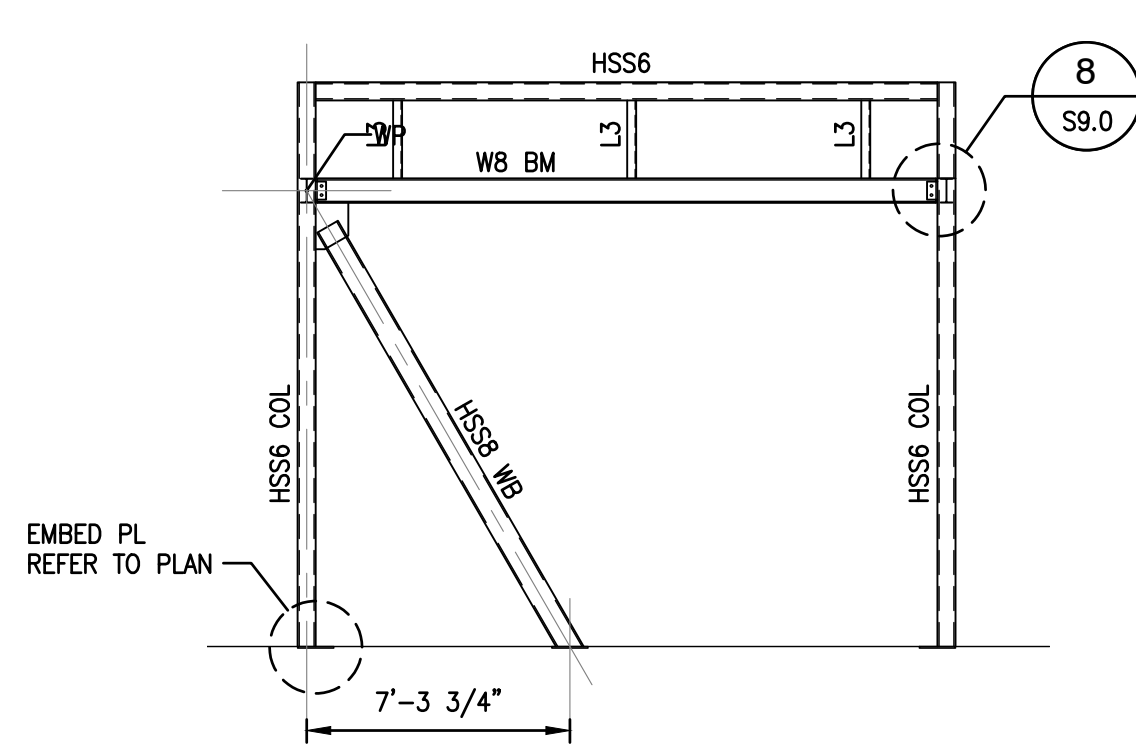
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S6.2 SCALE: 3/16" = 1'-0" (BASE BID)



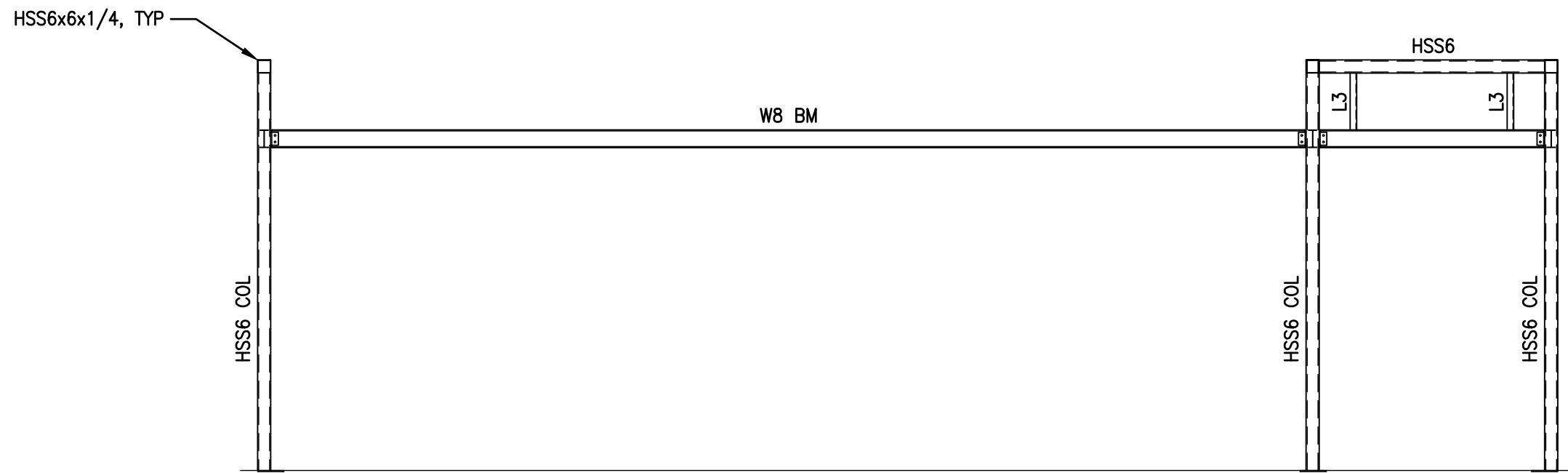
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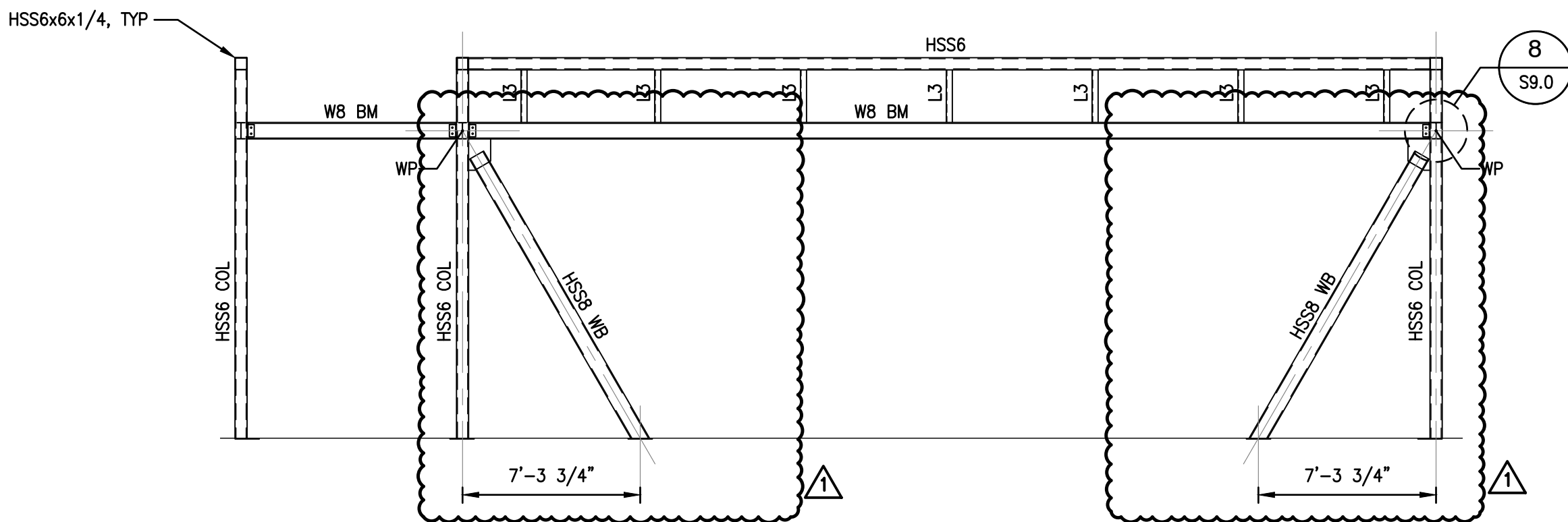
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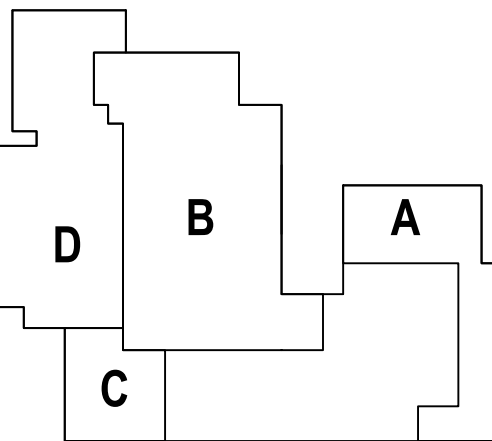
F SOUTH ELEVATION - ZONE 'C'
S6.2 SCALE: 3/16" = 1'-0" (ALT. NO. 1)



G EAST ELEVATION - ZONE 'C'
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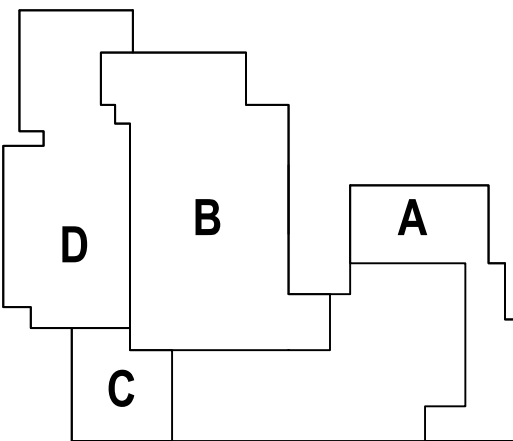
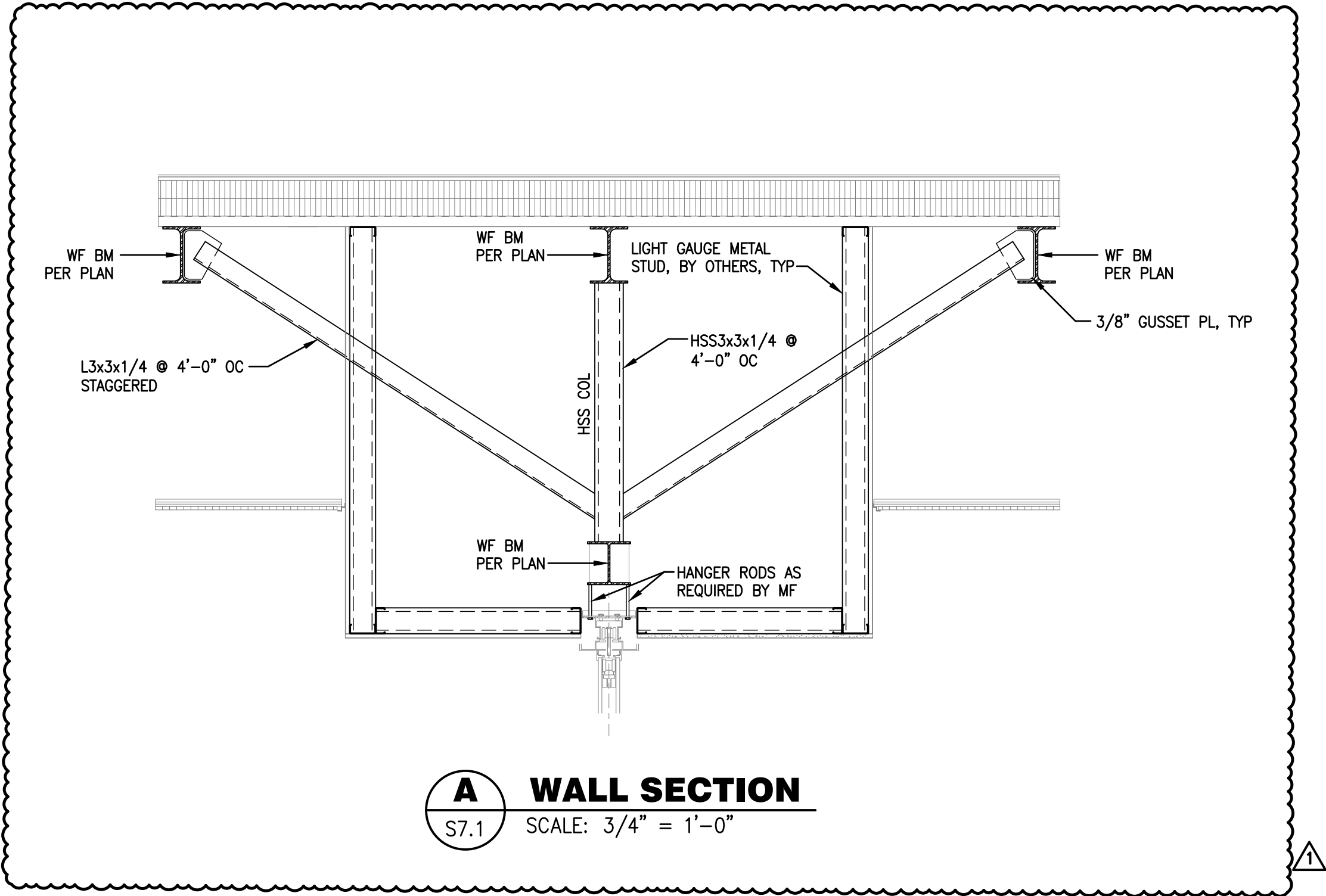


H WEST ELEVATION - ZONE 'C'
S6.2 SCALE: 3/16" = 1'-0" (ALT. NO. 1)



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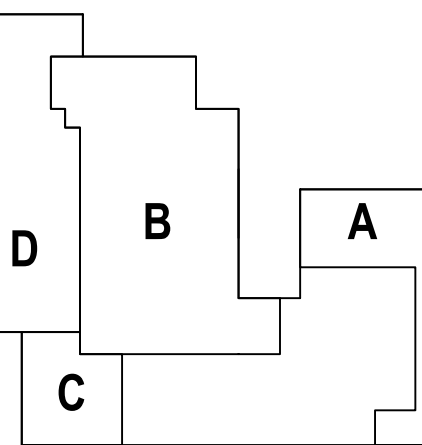
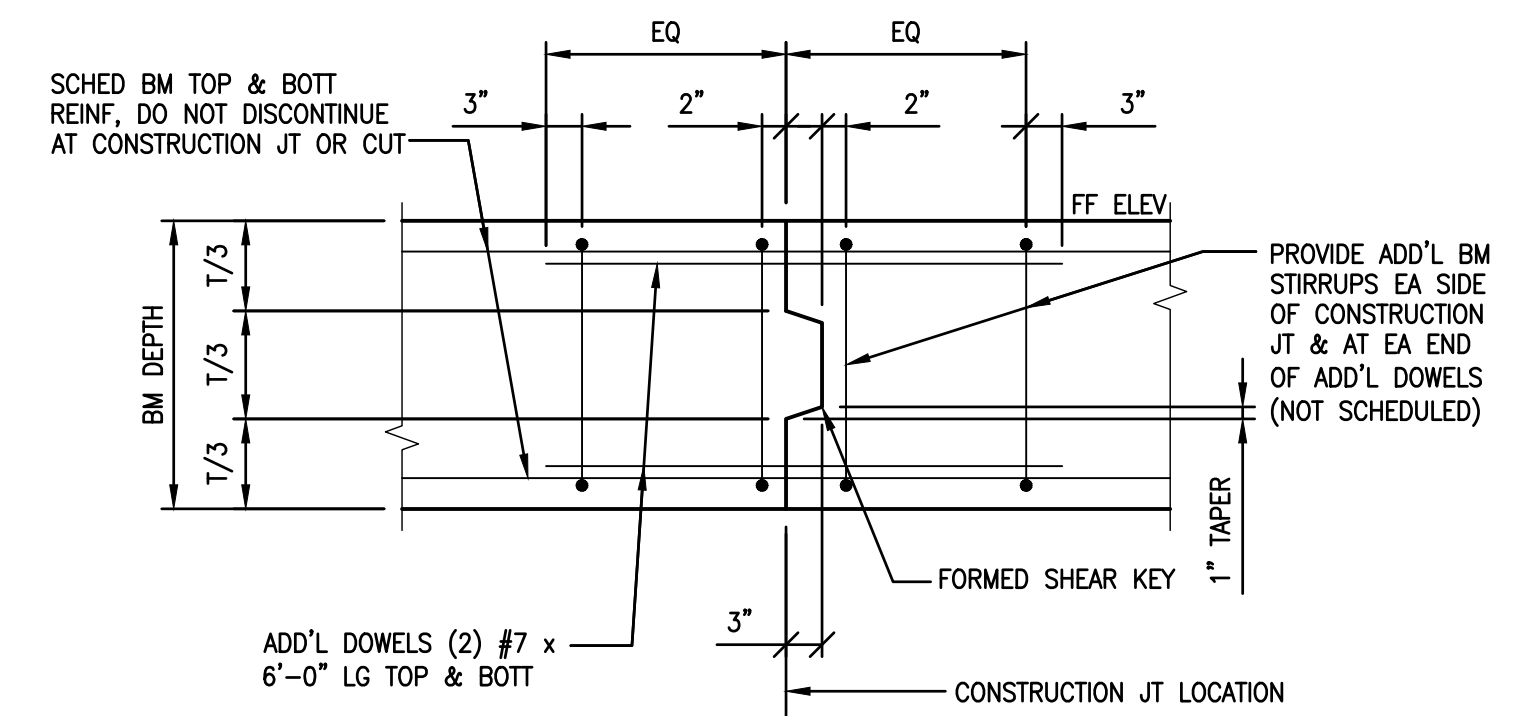
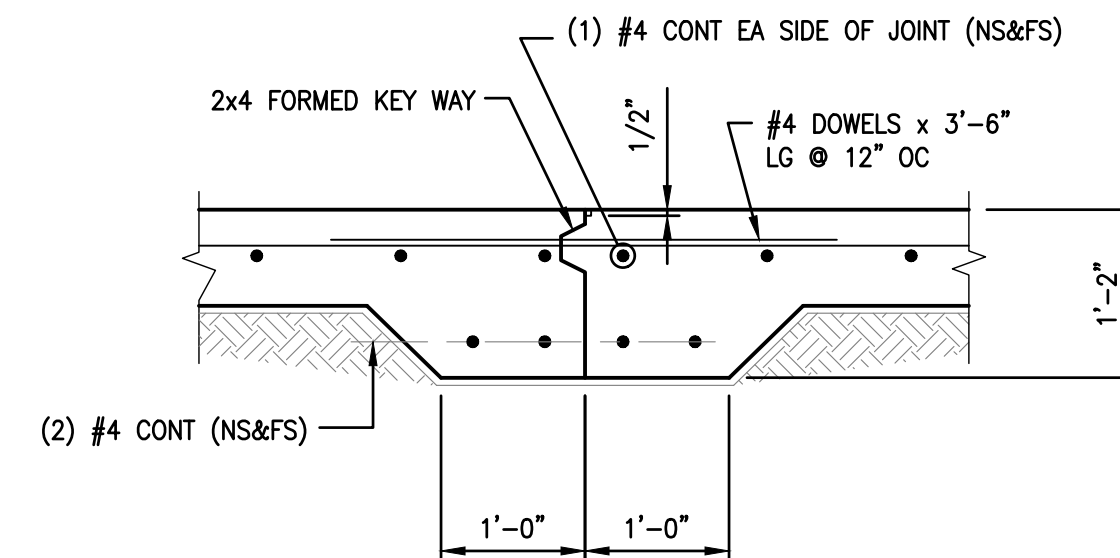
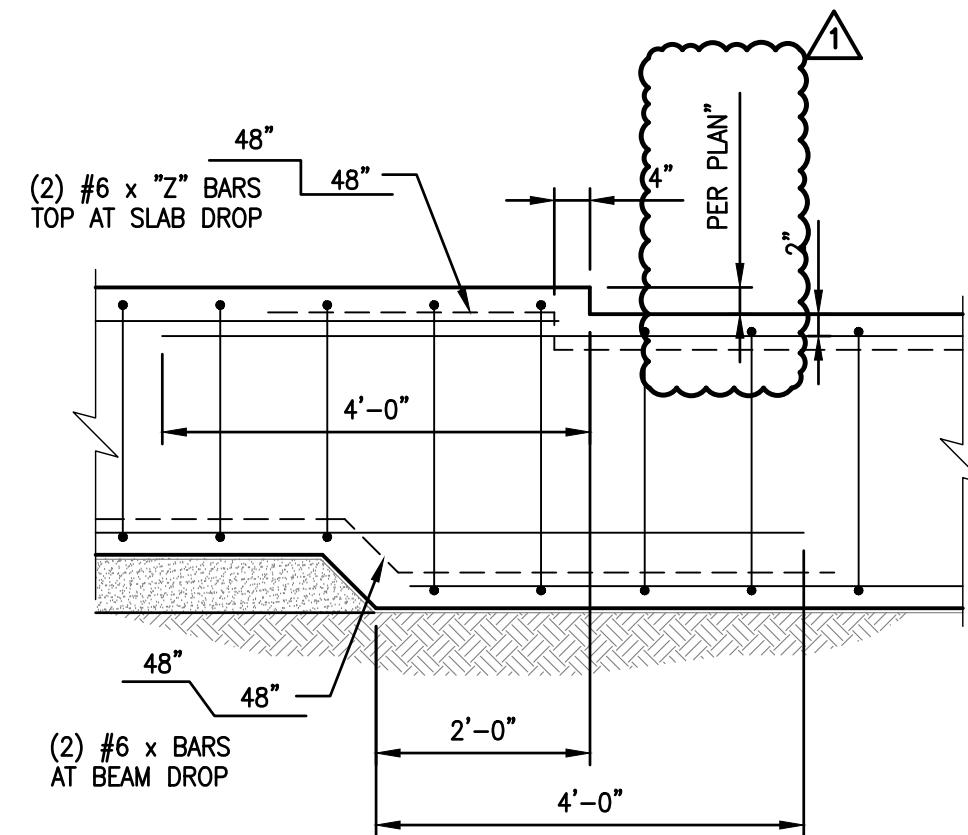
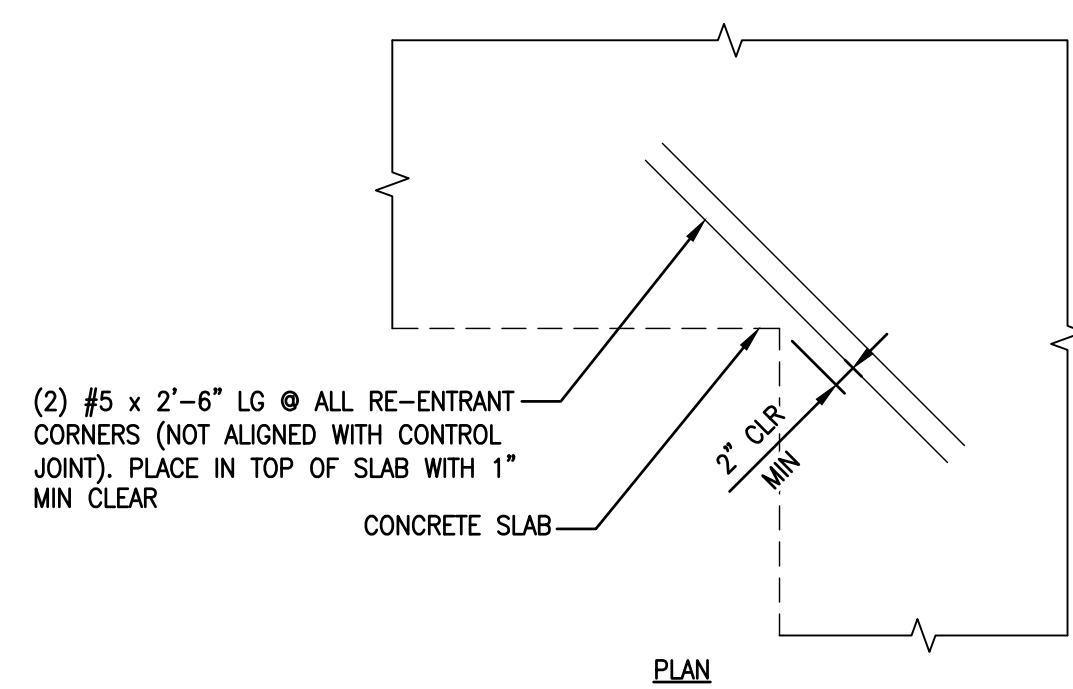
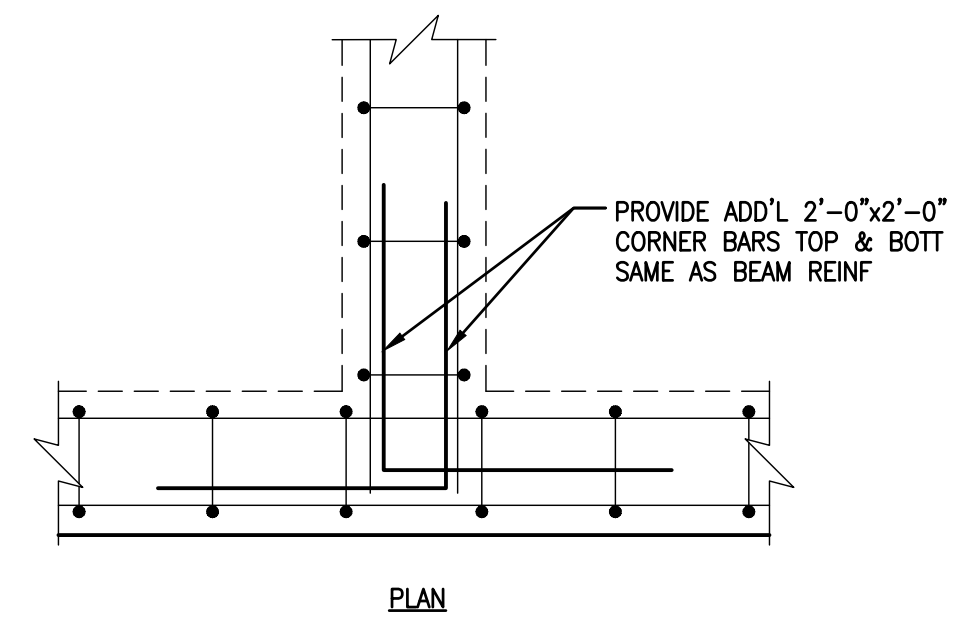
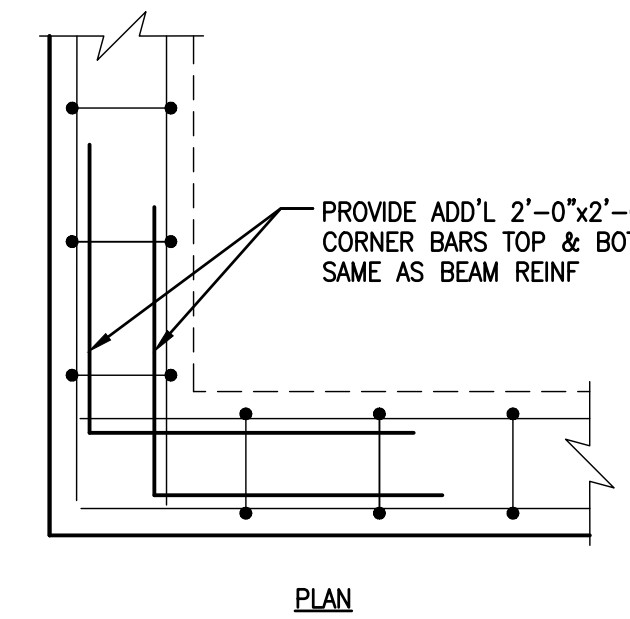
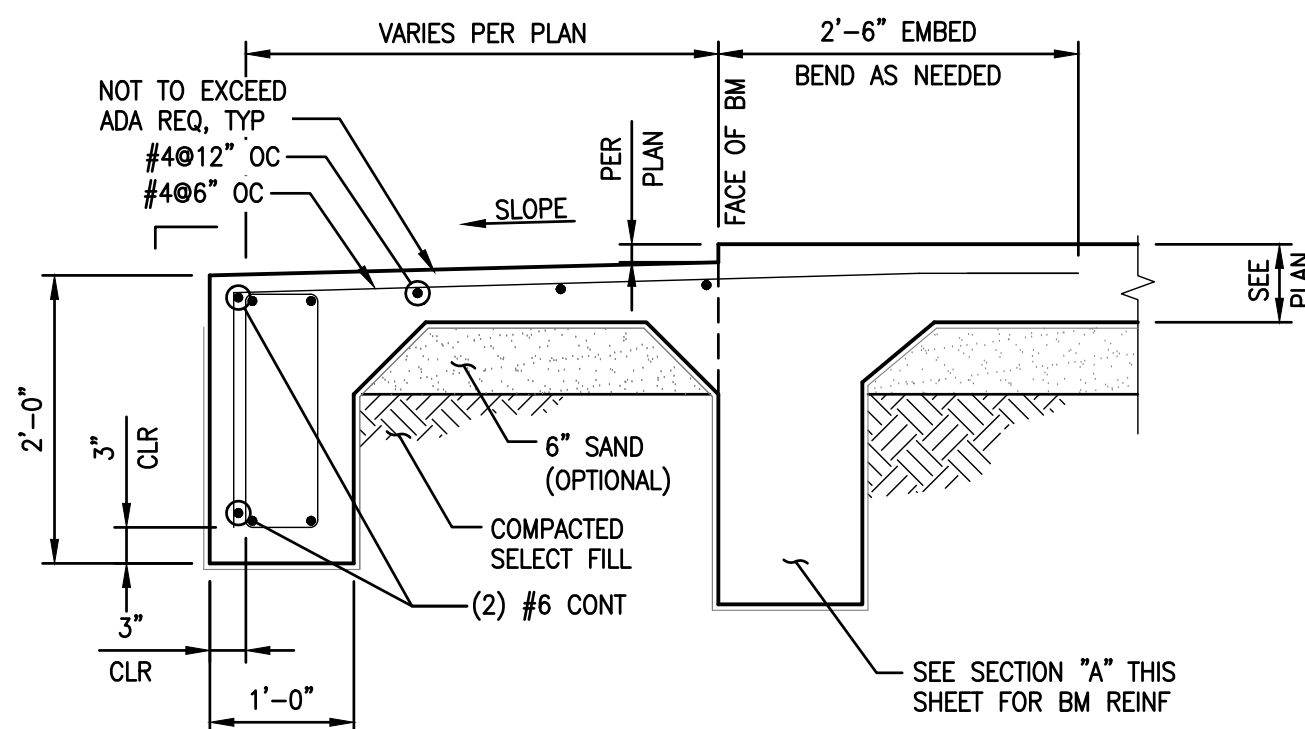
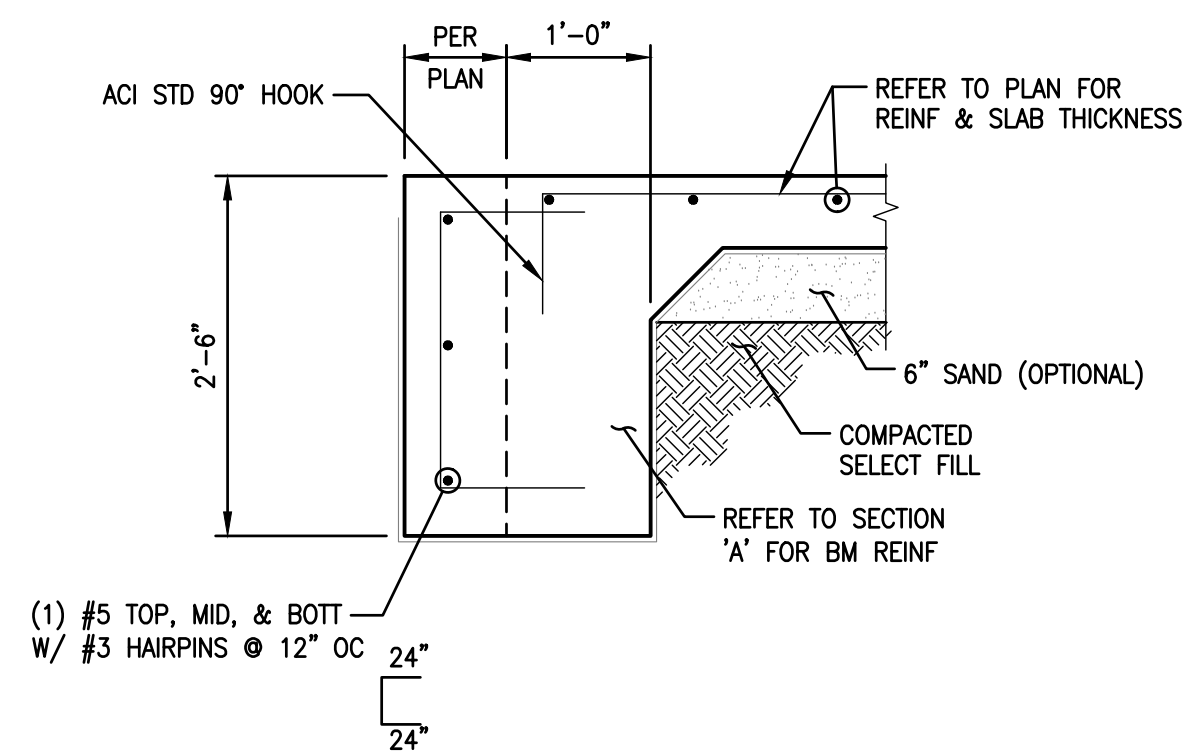
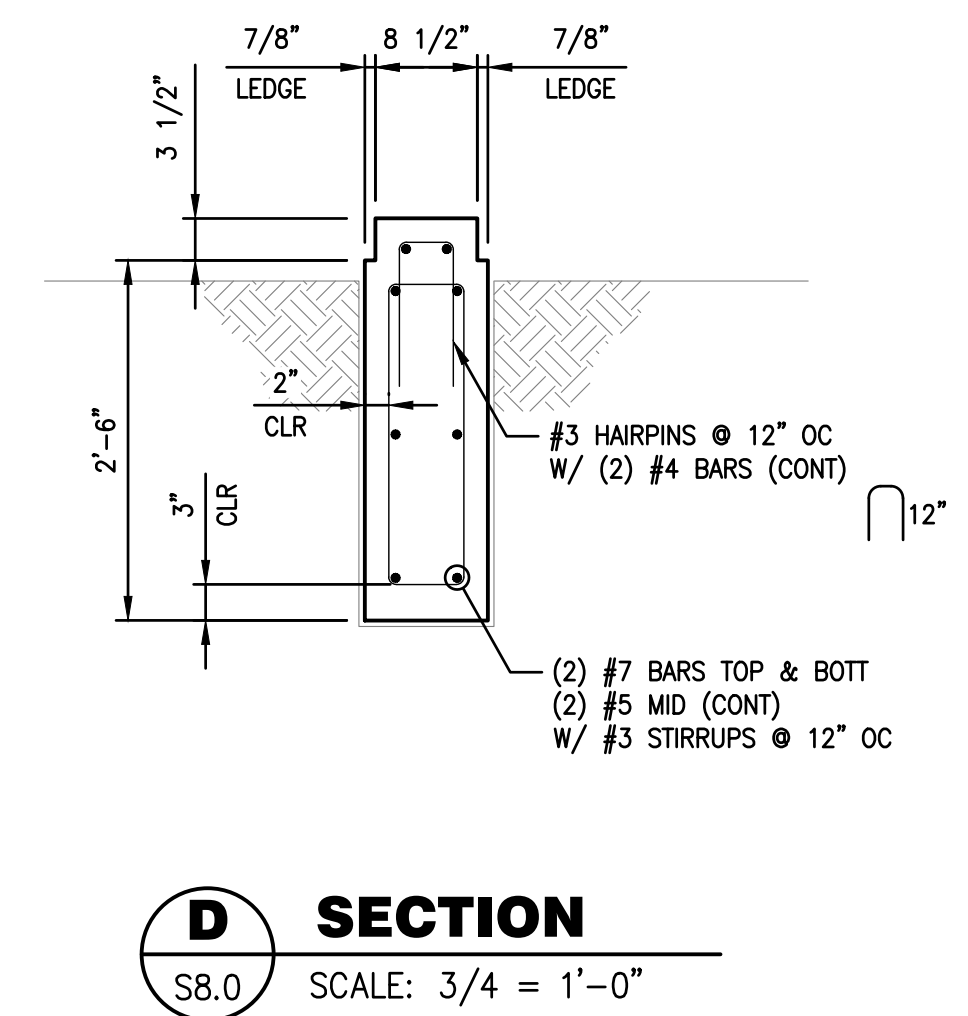
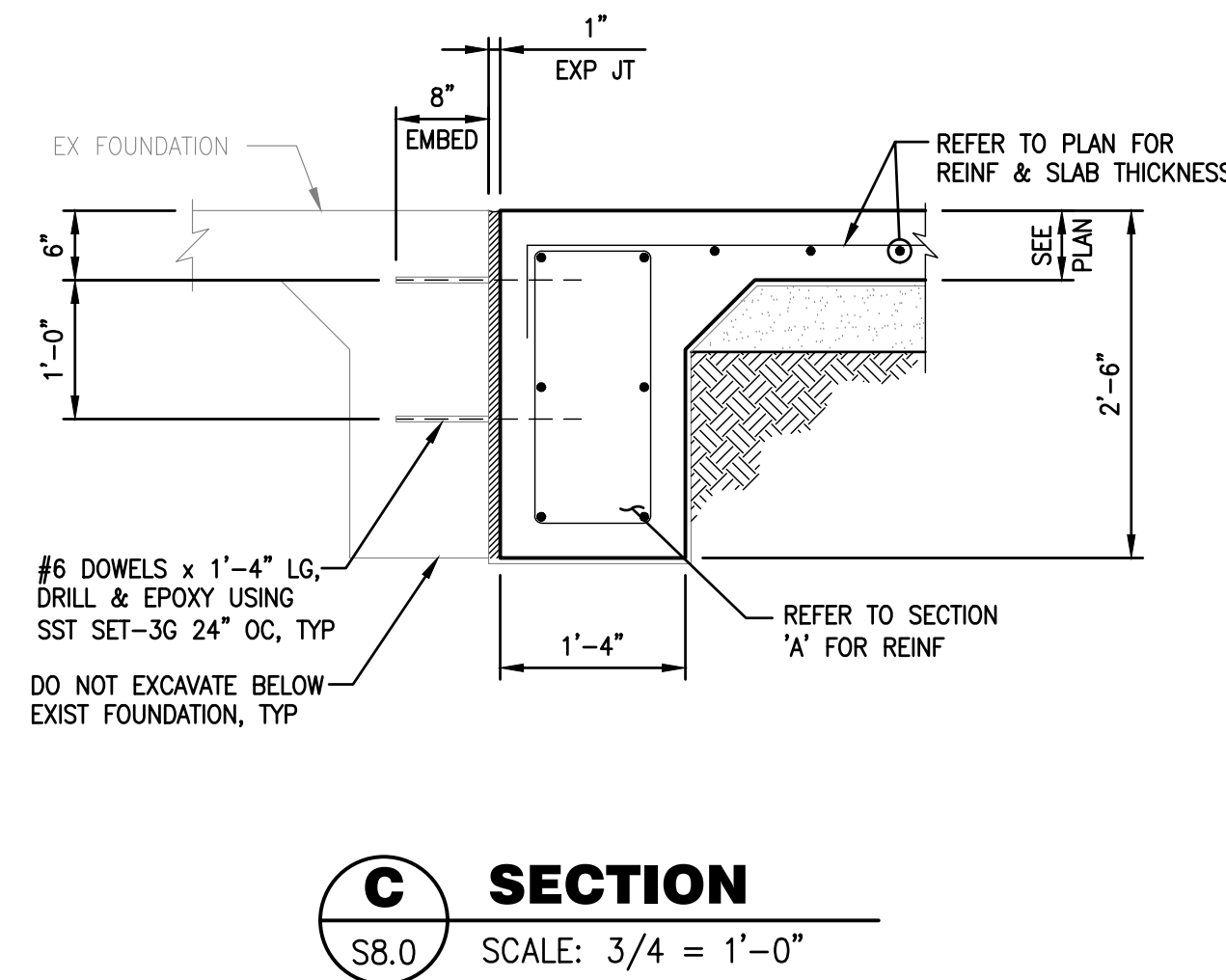
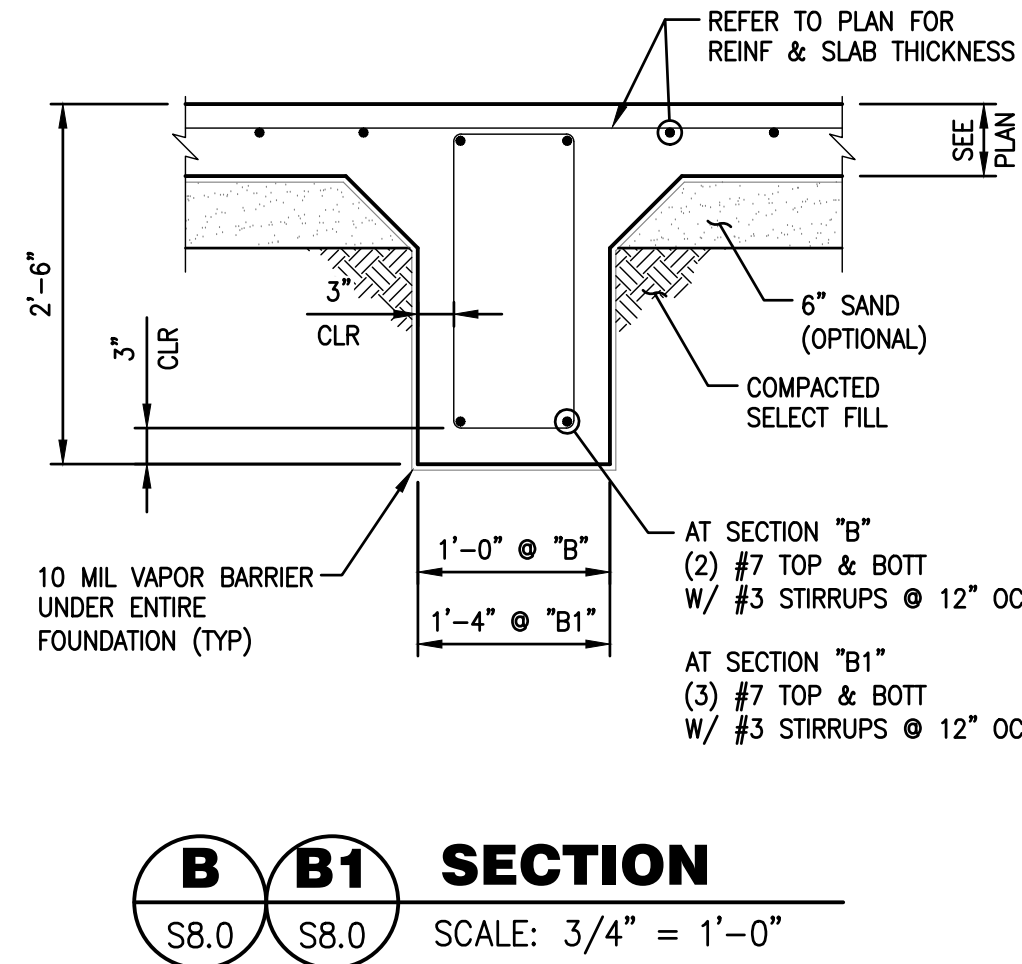
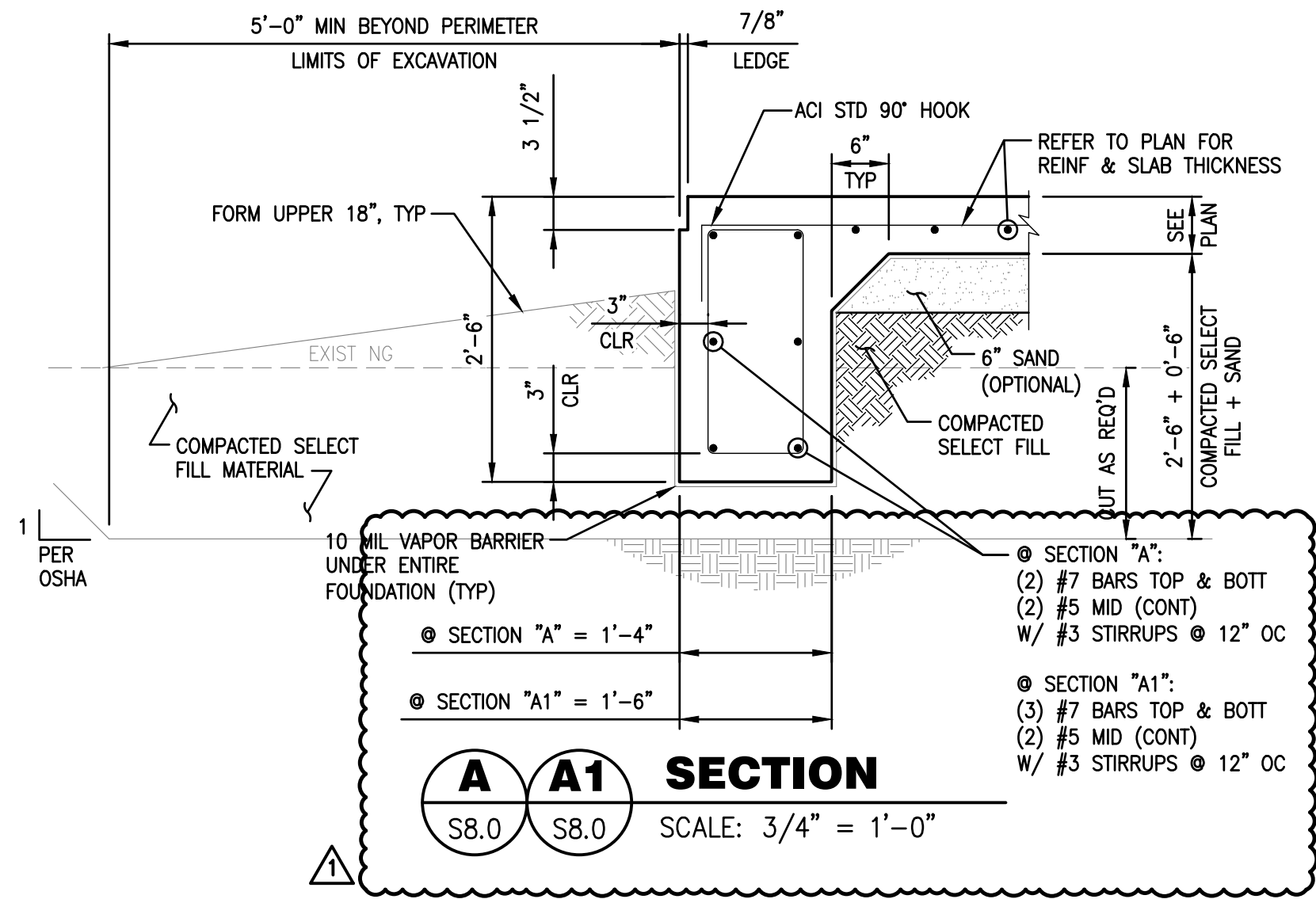
KEY PLAN
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STATE OF TEXAS
RAMIRO MUÑOZ III
100346
LICENSED
PROFESSIONAL ENGINEER
RAMIRO MUÑOZ III, P.E. NO. 100346

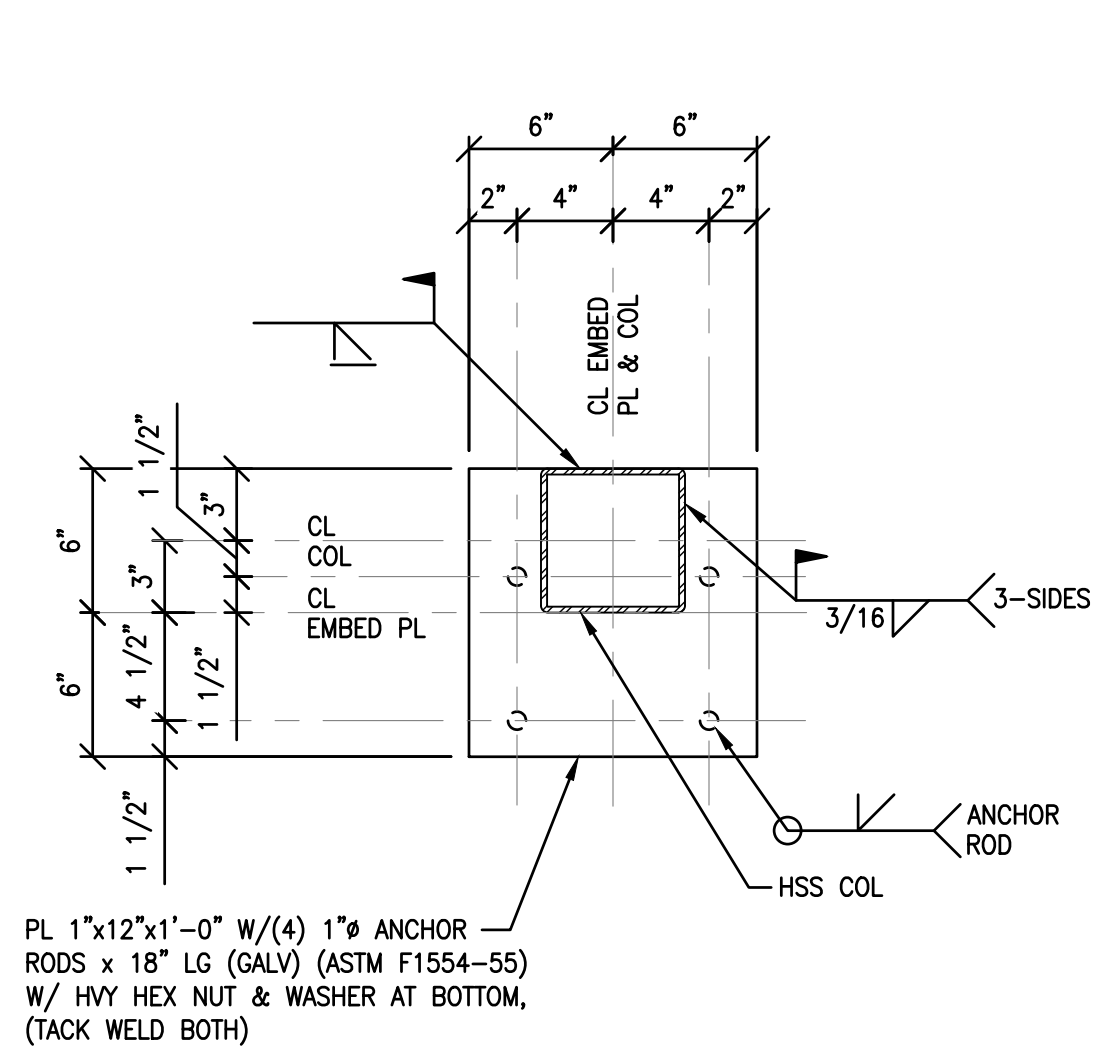
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5	SHEET IDENTIFICATION	

STRUCTURAL
WALL SECTIONS II

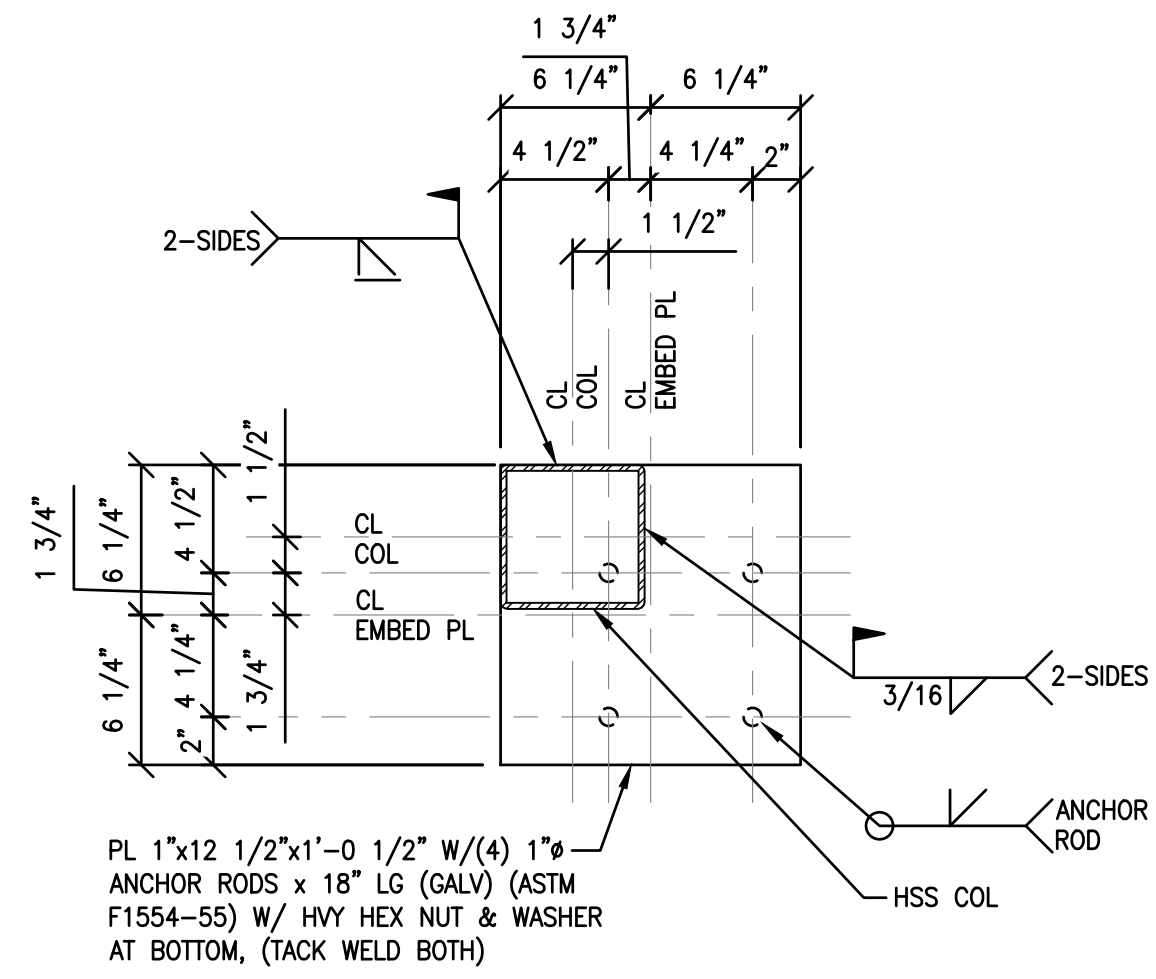
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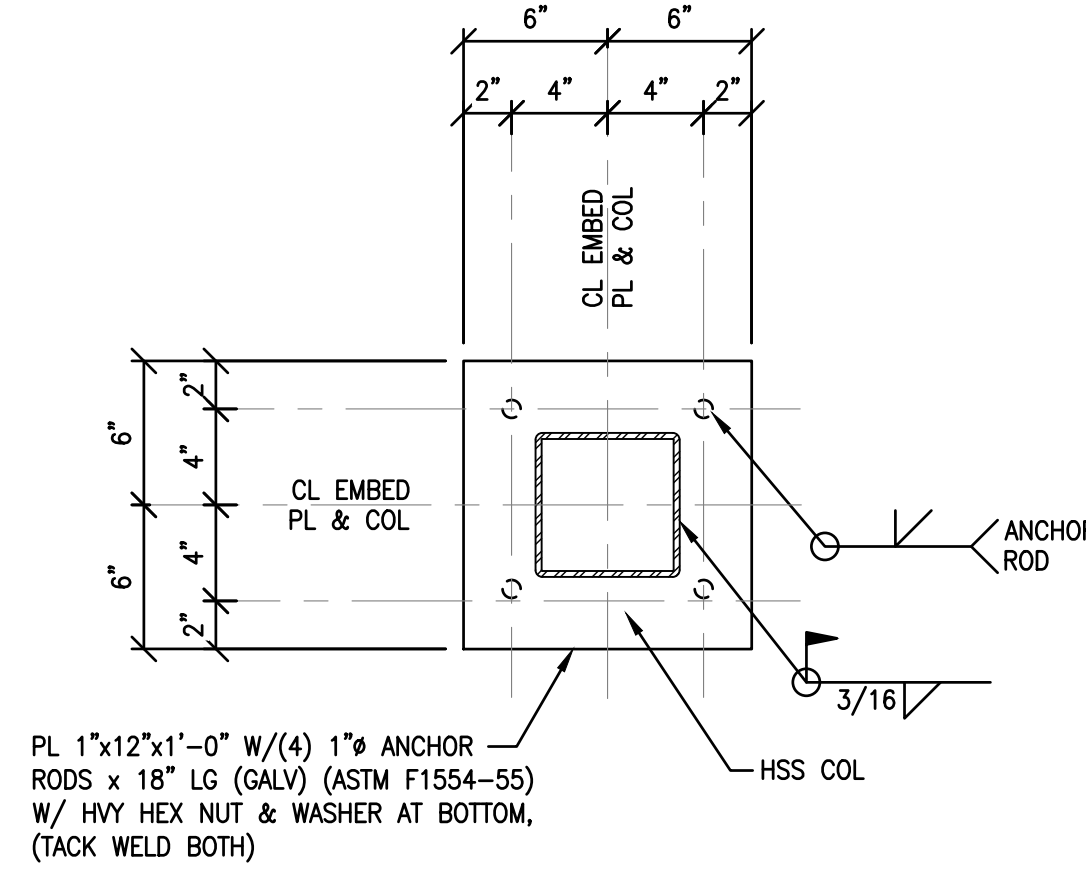
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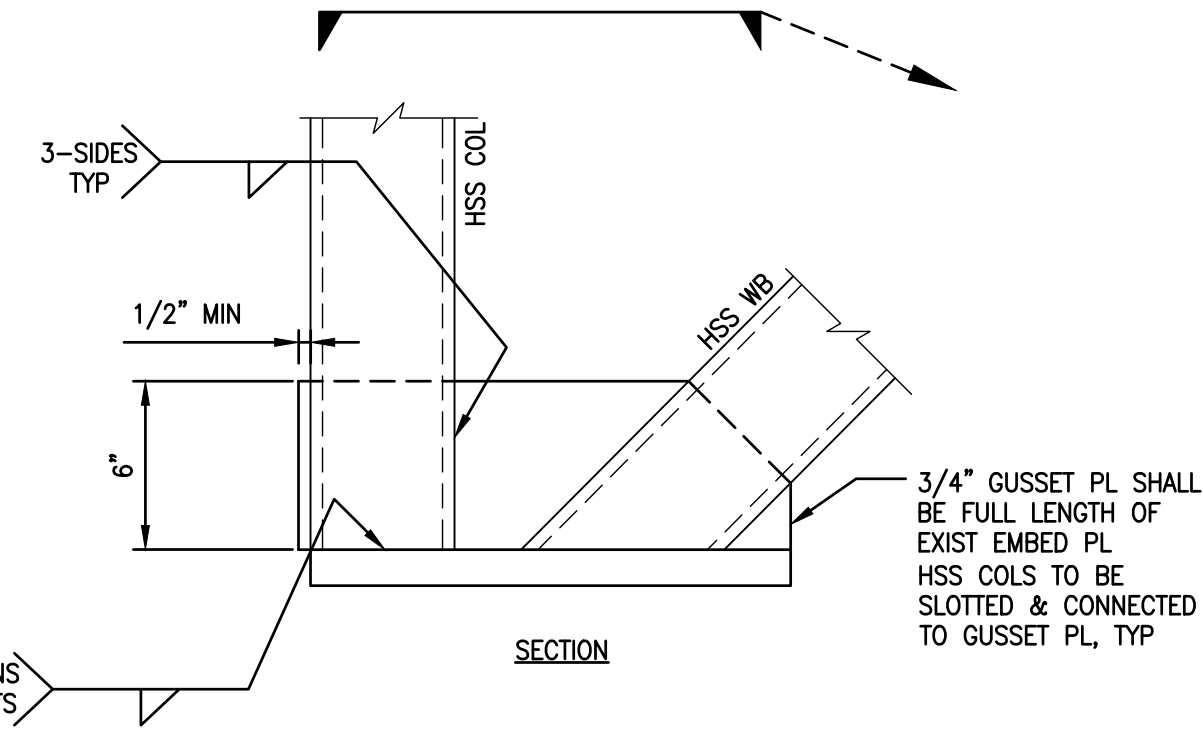
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S9.0 SCALE: 1 1/2" = 1'-0"



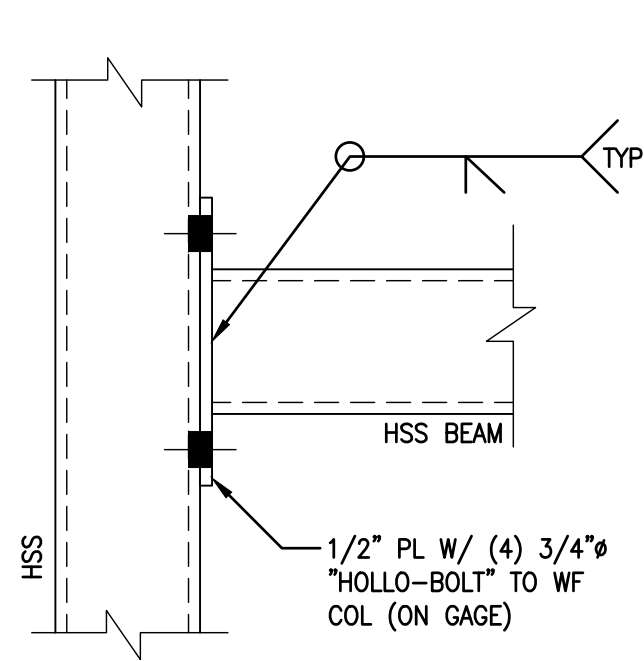
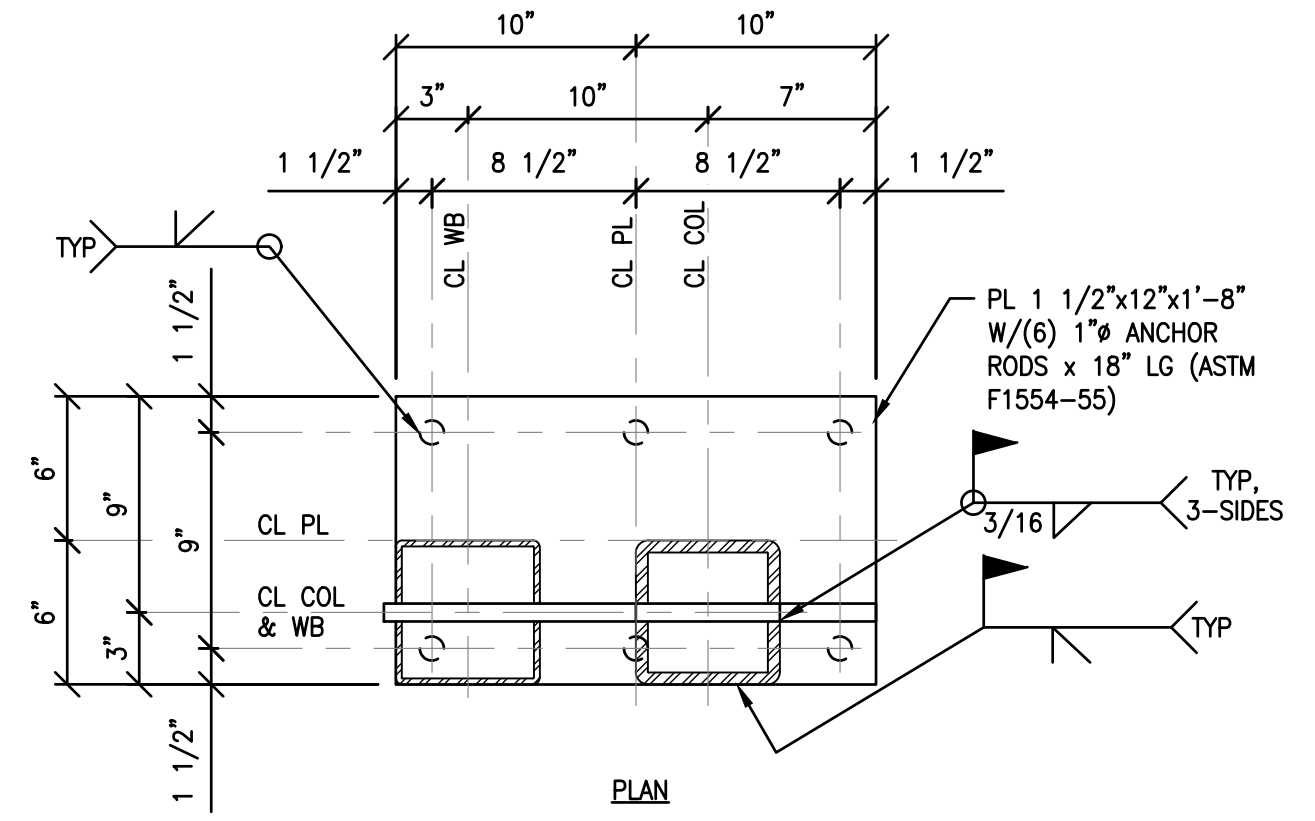
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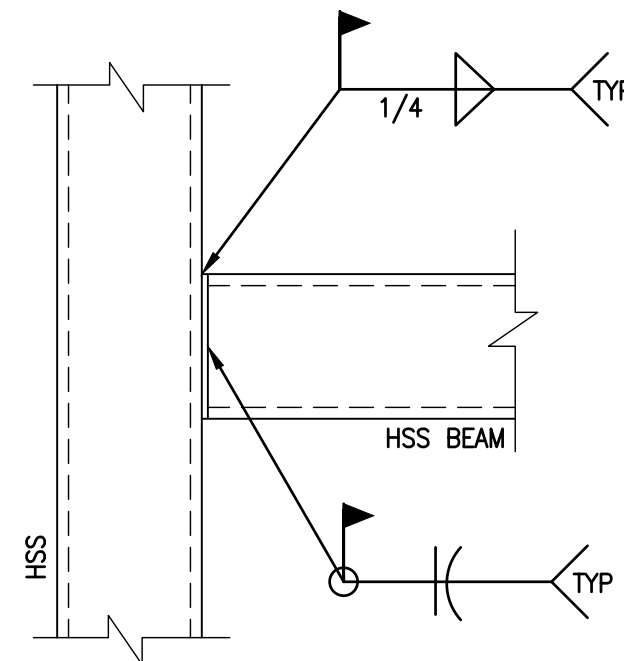
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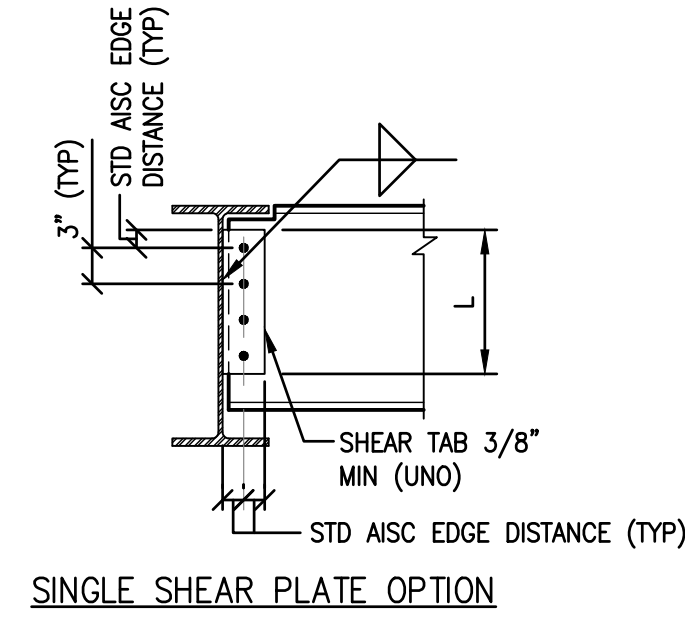
4 EMBED PLATE DETAIL - EP4
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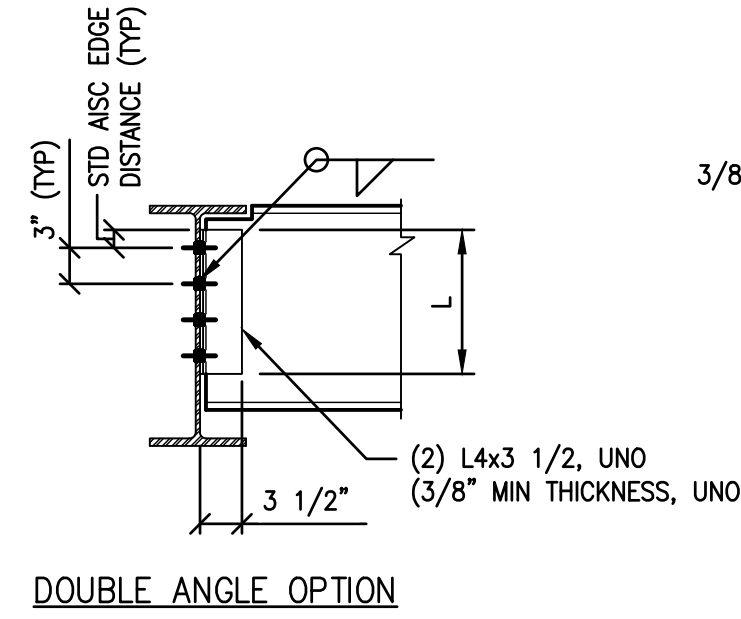
5 HSS-TO-HSS BOLTED CONNECTION DETAIL
S9.0 SCALE: 1 1/2" = 1'-0"



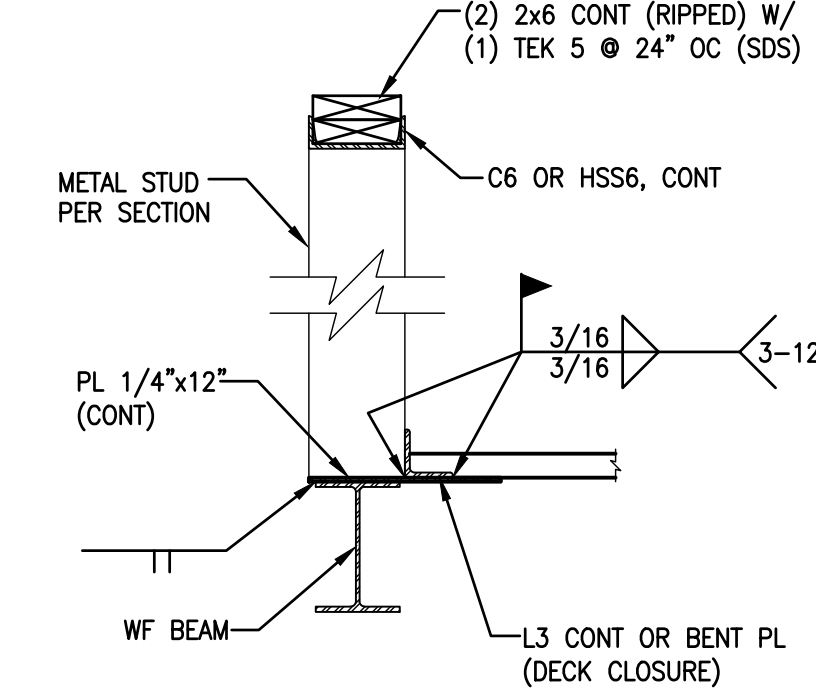
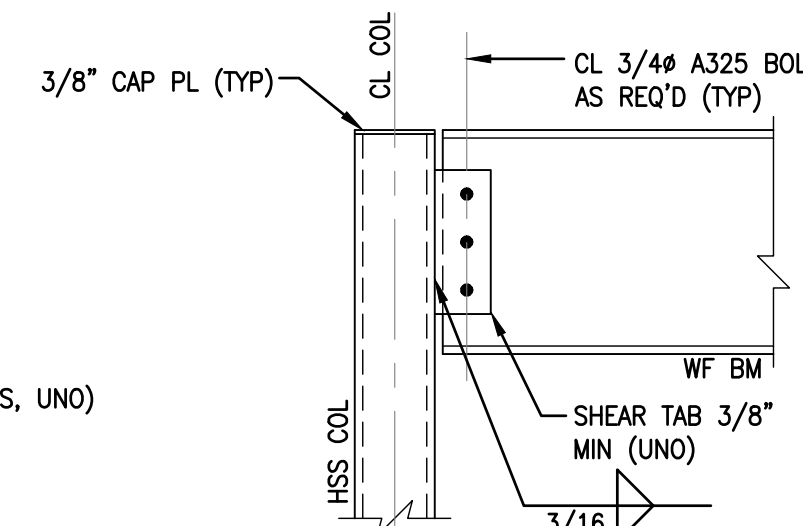
6 HSS-TO-HSS WELDED CONNECTION DETAIL
S9.0 SCALE: 1 1/2" = 1'-0"



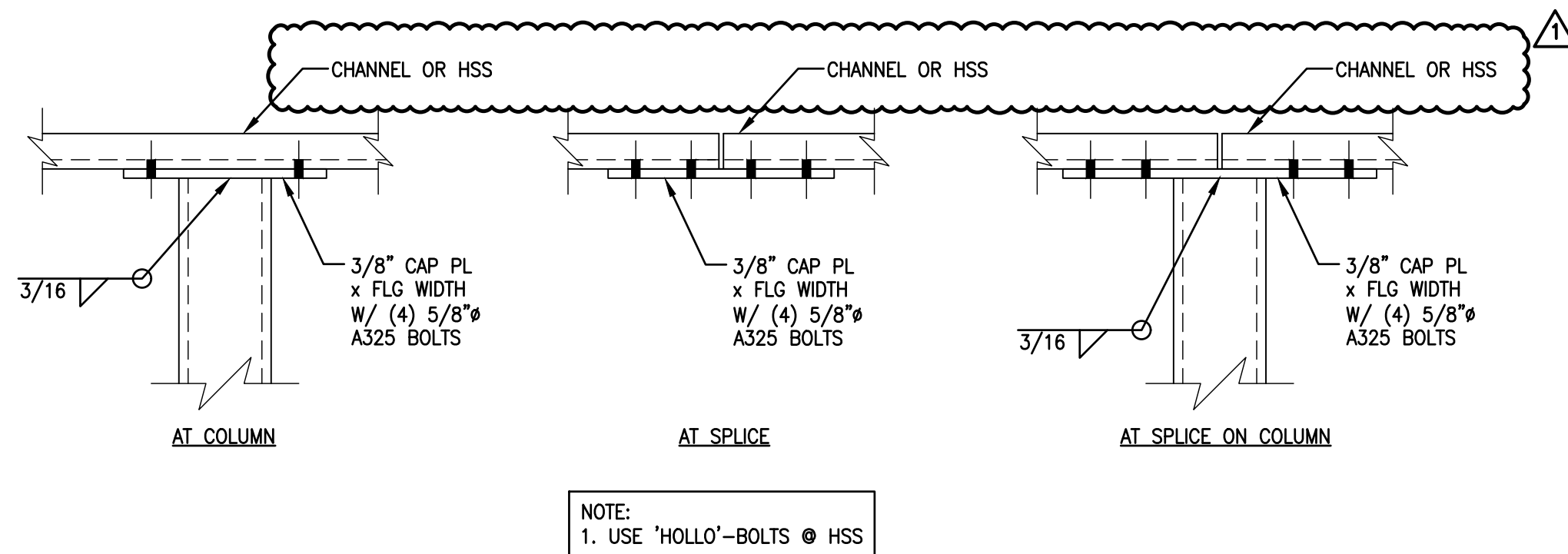
7 TYP BEAM TO BEAM SHEAR CONNECTION DETAIL
S9.0 SCALE: NTS



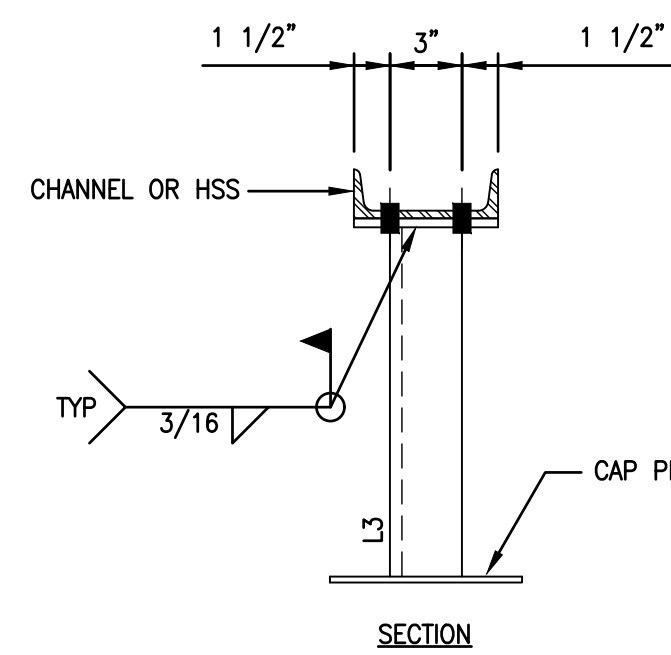
8 TYPICAL BEAM TO COL CONNECTION DETAIL
S9.0 SCALE: NTS



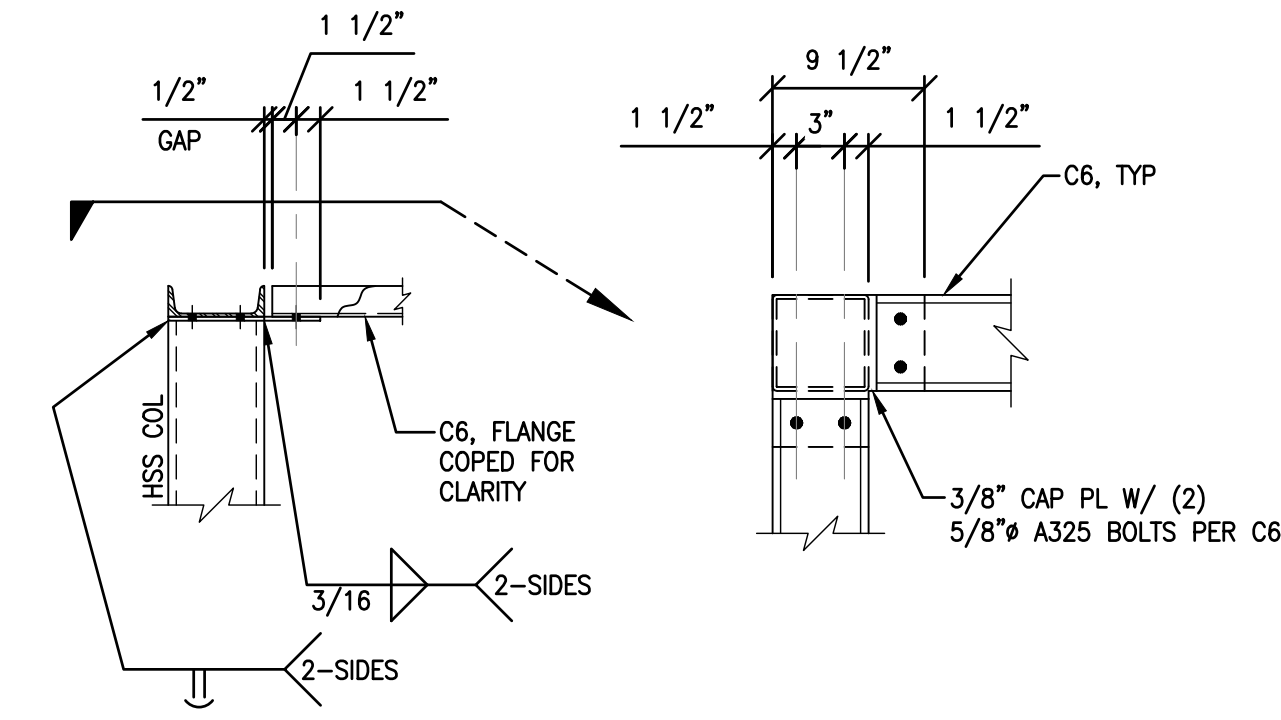
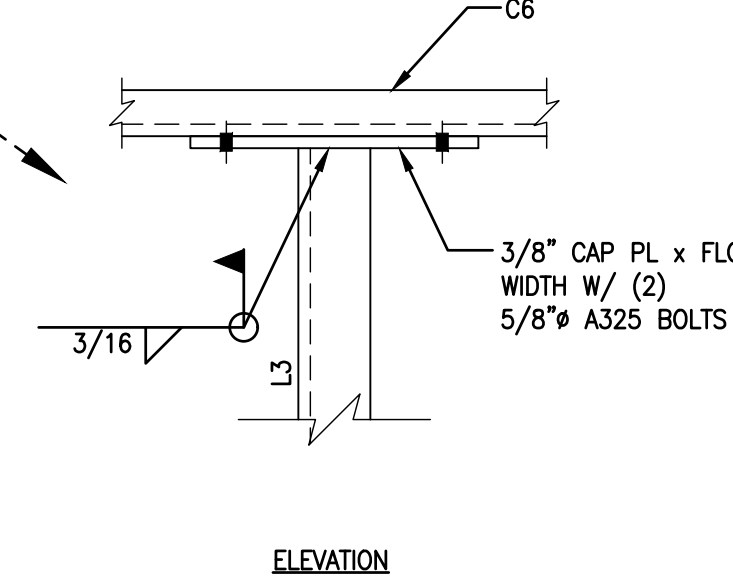
9 DECK TO CLOSURE PL DETAIL
S9.0 SCALE: 1" = 1'-0" TYP



10 TYP CHANNEL OR HSS TO COLUMN AT PARAPET
S9.0 SCALE: NTS

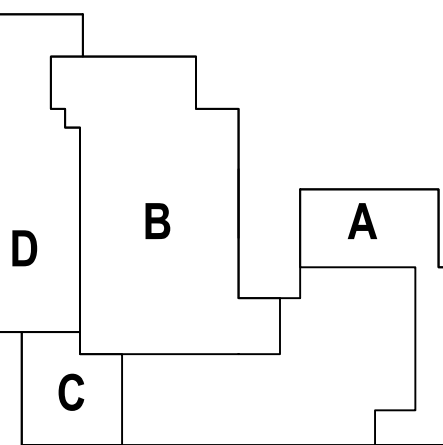


11 L3 TO CHANNEL OR HSS AT PARAPET
S9.0 SCALE: 1 1/2" = 1'-0"



12 CHANNEL TO COLUMN AT PARAPET CORNERS
S9.0 SCALE: 1 1/2" = 1'-0"

CITY OF PORT ARANSAS
CITY HALL EXPANSION
710 WEST AVENUE A,
PORT ARANSAS, TX 78373



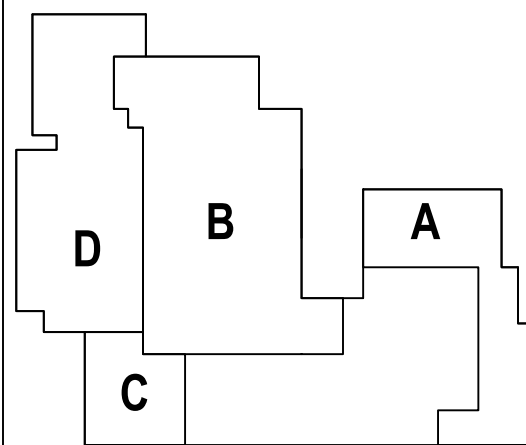
KEY PLAN
TURNER | RAMIREZ ARCHITECTS
3751 S. ALAMEDA ST.
CORPUS CHRISTI, TX 78411
p (361)994-8900
www.trarch.com

STATE OF TEXAS
RAMIRO MUÑOZ III
100346
LICENSED PROFESSIONAL ENGINEER
03/10/2025
RAMIRO MUÑOZ III, P.E. NO. 100346

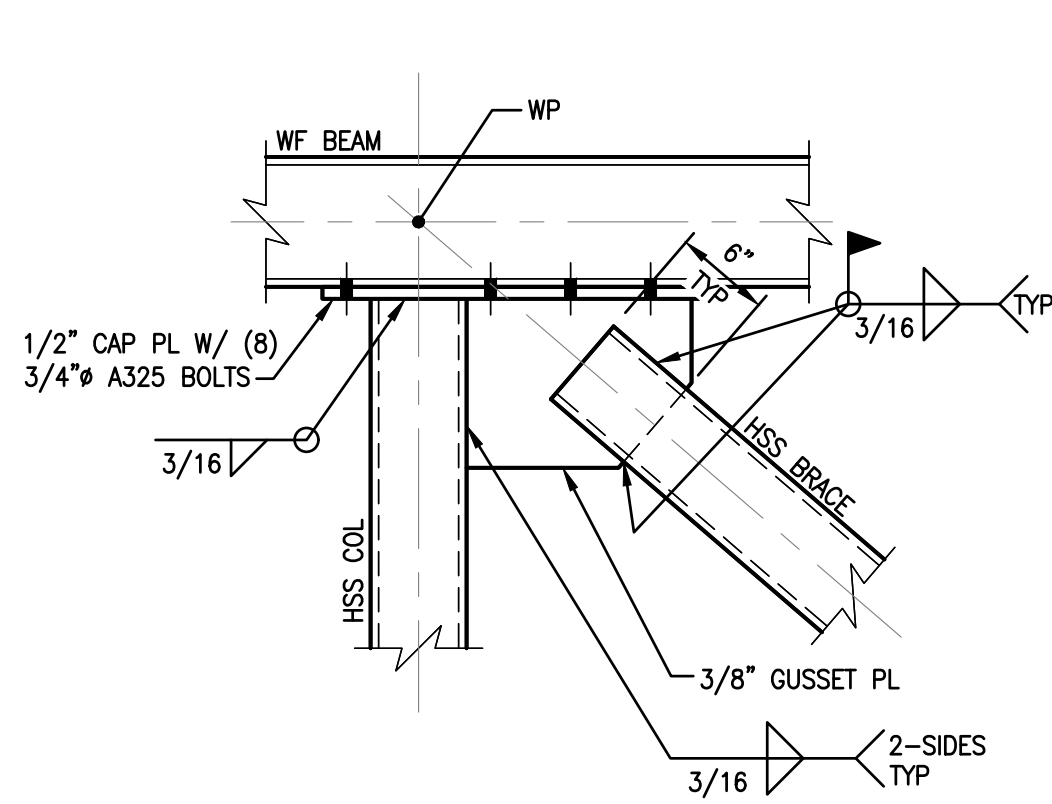
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STEEL SECTIONS
& DETAILS I

S9.0

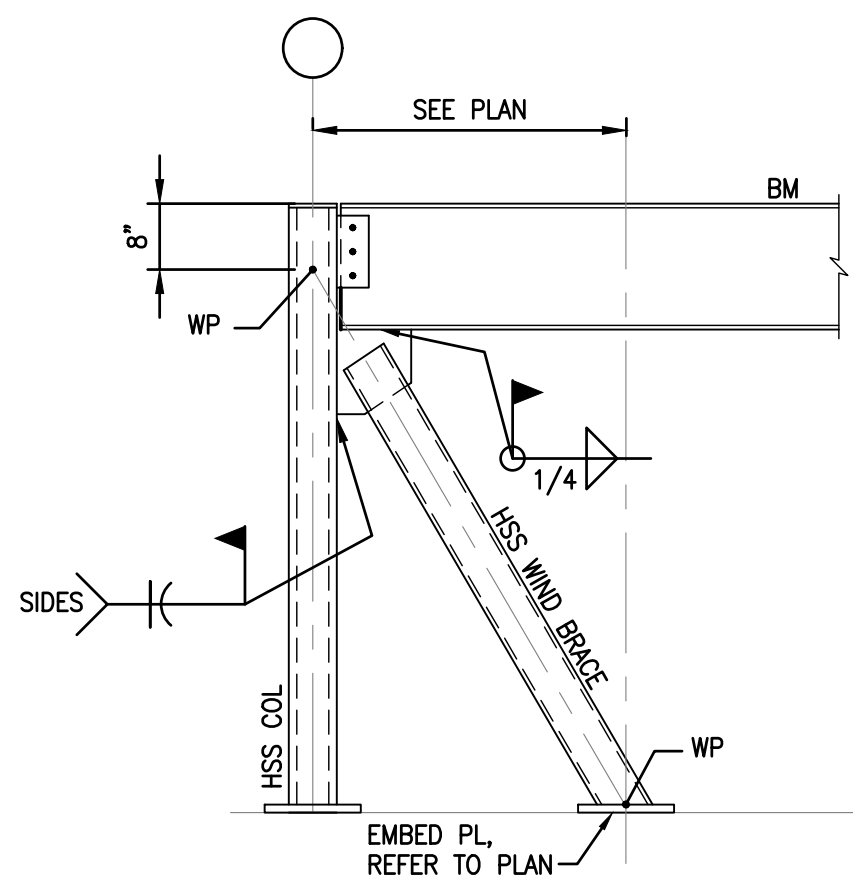


REV.	DESCRIPTION	DATE
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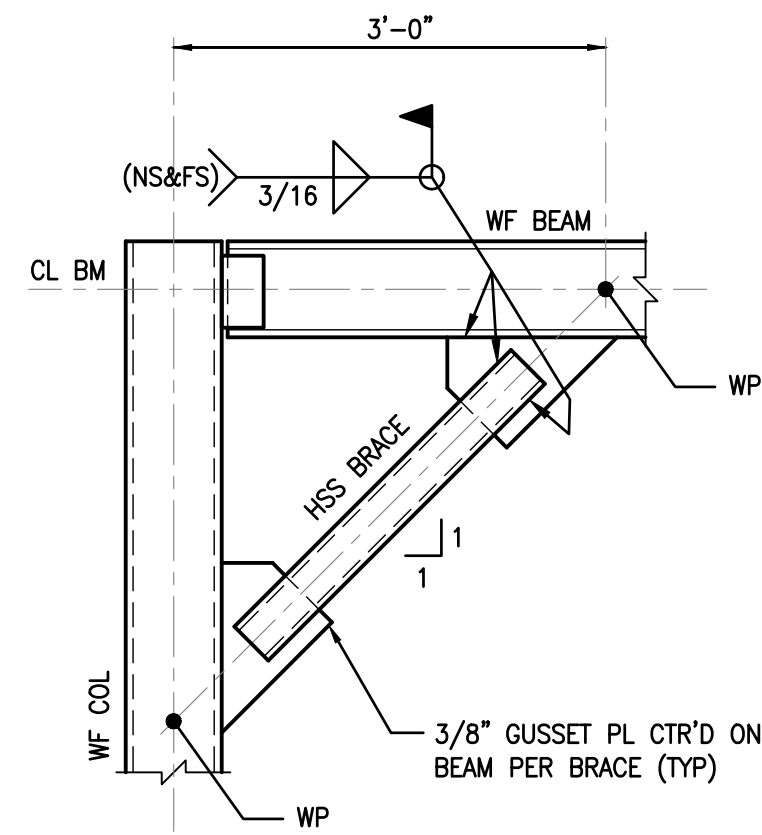
1 HSS-TO-HSS BRACE CONNECTION DETAIL

S9.1 SCALE: 1 1/2" = 1'-0" TYP



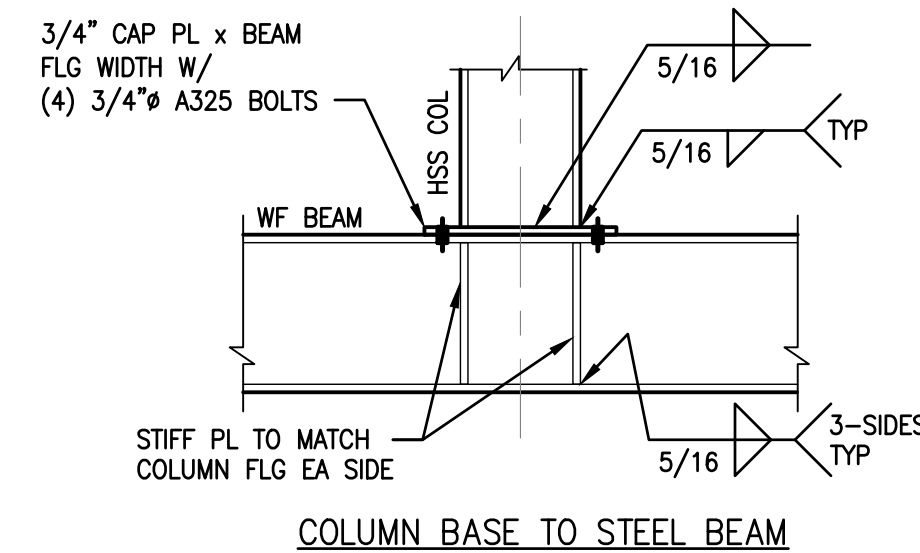
2 TYP WIND BRACE CONNECTION DETAIL

S9.1 SCALE: NTS



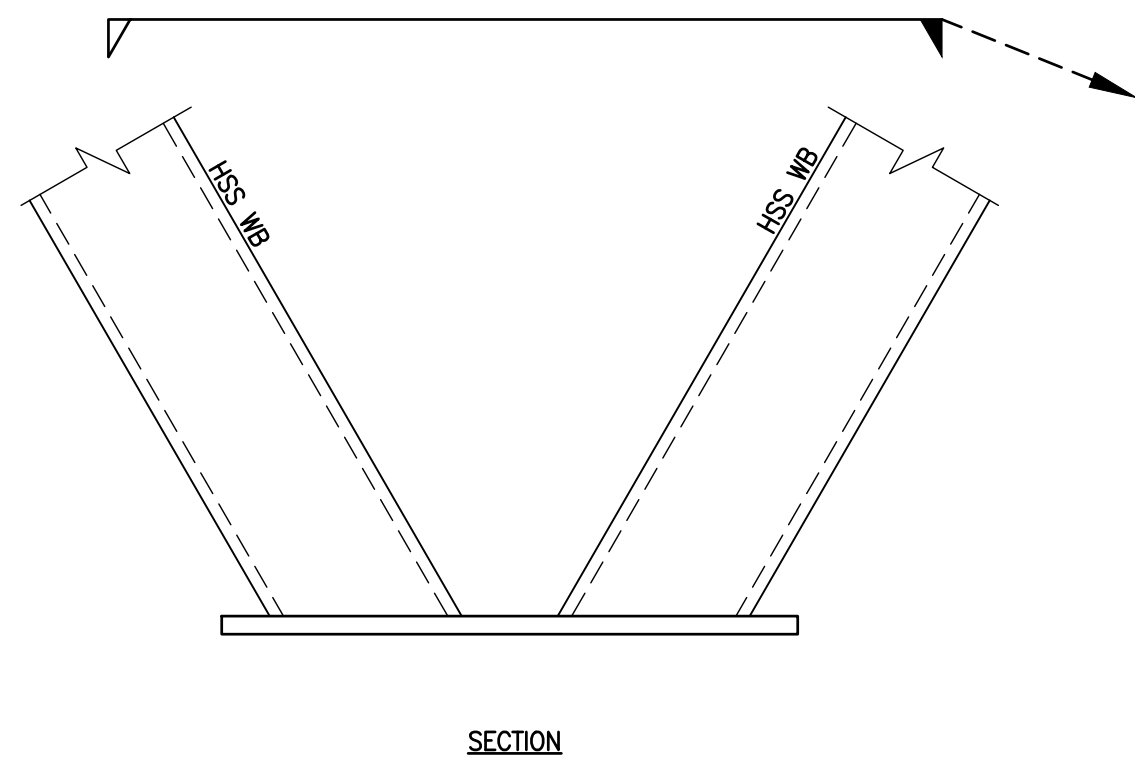
3 TYP HSS KNEE BRACE CONNECTION DETAIL

S9.1 SCALE: NTS



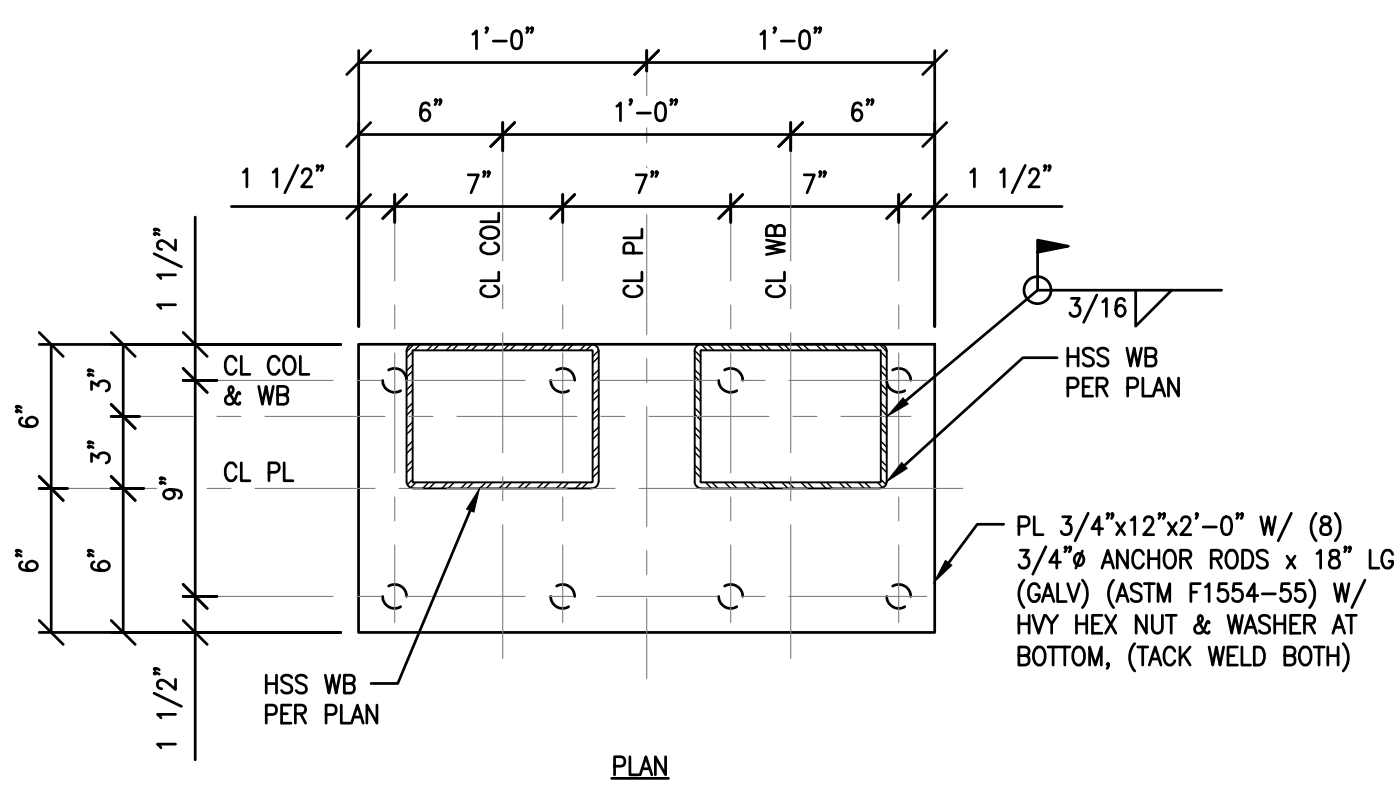
4 TYP HSS STUB COLUMN TO WF BEAM DETAIL

S9.1 SCALE: NTS



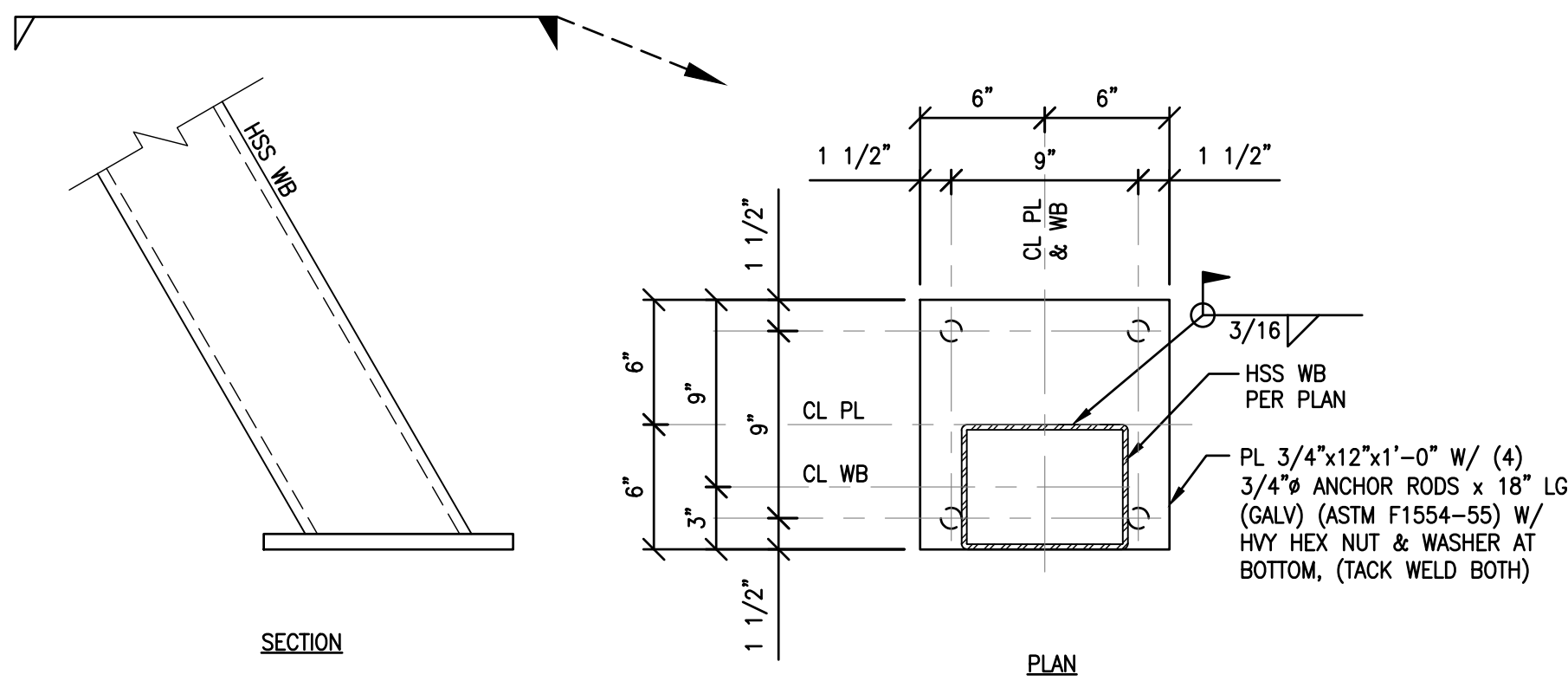
5 EMBED PLATE - EP5

S9.1 SCALE: 1 1/2" = 1'-0"



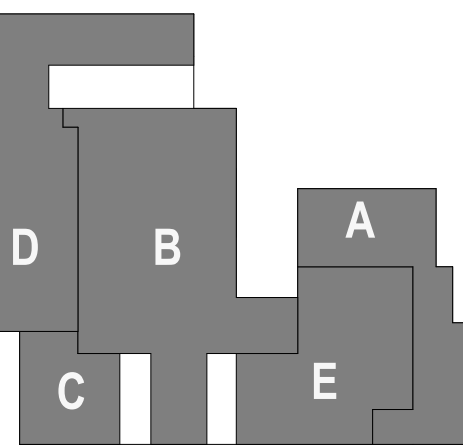
6 EMBED PLATE - EP6

S9.1 SCALE: 1 1/2" = 1'-0"

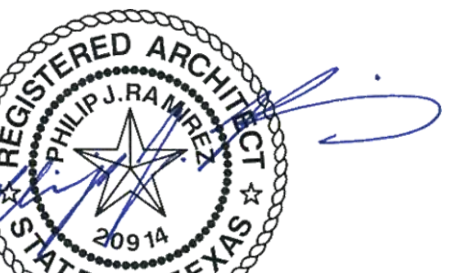


7 DECK CLOSURE BENT PLATE

S9.1 SCALE: 1" = 1'-0"



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DEMOLITION FLOOR & SITE
PLAN

AD1.0

 EXISTING TO REMAIN
 DEMOLISH EXISTING PAVEMENT / FLATWORK / FLOOR / CEILINGS
 DEMOLISH EXISTING WALL

KEY	NOTE
1	EXISTING DOOR TO REMAIN, PRESERVE AND PROTECT FOR THE DURATION OF CONSTRUCTION.
2	COMPLETELY REMOVE DOOR, FRAME AND TRANSOM WINDOW. PREPARE FOR NEW DOOR. INFILL TRANSOM WITH NEW WALL. SEE DETAIL 13A4.1
3	COMPLETELY DEMOLISH AND REMOVE EXISTING DOOR, FRAME, AND HARDWARE.
4	COMPLETELY DEMOLISH AND REMOVE EXISTING WINDOW AND FRAME. INFILL WITH NEW WALL.
5	EXISTING TRANSFORMER TO BE RELOCATED. RE. SITE PLAN
6	COMPLETELY DEMOLISH AND REMOVE EXISTING WINDOW AND FRAME. PREP FOR NEW DOOR.
7	COMPLETELY DEMOLISH EXISTING WALL.
8	DEMOLISH PORTION OF EXISTING WALL. PREP FOR NEW DOOR OR CASED OPENING.
9	COMPLETELY DEMOLISH AND REMOVE EXISTING FINISH FLOOR & FLOOR BASE. PREP FOR NEW FLOOR PER FINISH SCHEDULE.
10	DEMOLISH AND REMOVE EXISTING FLATWORK.
11	DEMOLISH AND REMOVE EXISTING TREE OR SHRUBS.
12	EXISTING TREE OR SHRUB TO REMAIN. PRESERVE AND PROTECT DURING DURATION OF CONSTRUCTION.
13	EXISTING FUEL STATION TO BE RELOCATED BY OWNER UNDER SEPARATE CONTRACT.
14	EXISTING SHED TO BE DEMOLISHED BY OWNER UNDER SEPARATE CONTRACT.
15	COMPLETELY DEMOLISH EXISTING DOOR, FRAME, AND HARDWARE. INFILL WITH NEW WALL.
16	RELOCATE EXISTING ICE MACHINE TO NEW CATER PREP STAGE
17	COMPLETELY DEMOLISH AND REMOVE EXISTING PORTABLE STAGE. PREP FOR NEW STAGE.
19	EXISTING REFRIGERATOR TO BE RELOCATED TO NEW BREAK ROOM
20	COMPLETELY REMOVE DOOR AND FRAME. PREPARE FOR NEW DOOR.
21	COMPLETELY REMOVE STOREFRONT DOOR, FRAME AND TRANSOM WINDOW. PREPARE FOR NEW STOREFRONT DOOR & TRANSOM
22	DISPLAY KIOSKS: OWNER TO REMOVE PORTIONS OF THE DISPLAY UNITS. GC RESPONSIBLE FOR REMOVAL OF REMAINING ITEMS AND ELECTRICAL DISCONNECTS
23	COMPLETELY DEMOLISH AND REMOVE EXISTING CASEWORK
24	DEMOLISH EXISTING GYPSUM BOARD. PREP FOR NEW FIRE RATED GYPSUM BOARD. RE: UL DESIGN NO. V450
25	DEMOLISH & REMOVE EXISTING CERAMIC TILE. PREP FOR NEW FIRE RATED GYPSUM BOARD & NEW CERAMIC TILE. RE: UL DESIGN NO. V450
26	REMOVE EXISTING CHASE WALL. PREP FOR NEW FIRE RATED WALL. PROTECT EXISTING PLUMBING. RE: UL DESIGN NO. U429
30	TREES TO BE SALVAGED BY OWNER
31	GC TO DISCONNECT EXISTING GENERATOR AND COORDINATE WITH CITY. EXISTING GENERATOR TO BE REMOVED BY OWNER.

ALTERNATE 3:
 PROVIDE UNIT PRICE TO DEMO AND
 REPLACE ALL REMAINING EFIS AND
 REPAINT ENTIRE BUILDING

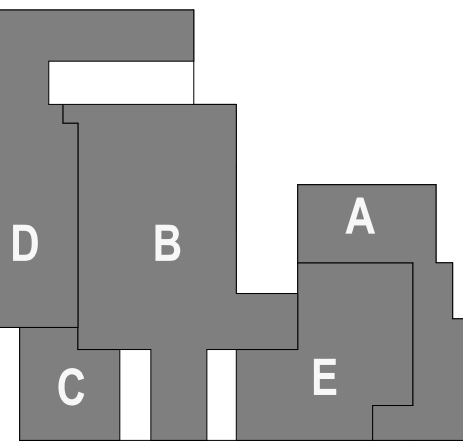
ALTERNATIVE 3 INCLUDES REPAINT OF ENTIRE BUILDING.

UNIT PRICE: PATCH AND REPAIR
EXISTING EIFS AS REQUIRED

PLAN NORTH

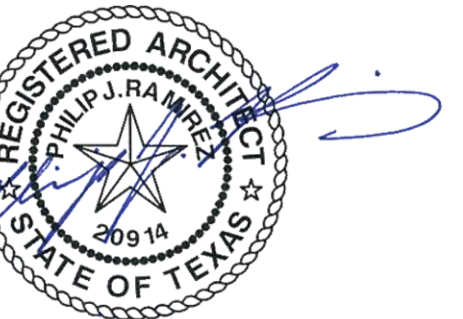
TRUE NORTH

1 COMPOSITE FLOOR DEMOLITION PLAN



PLAN

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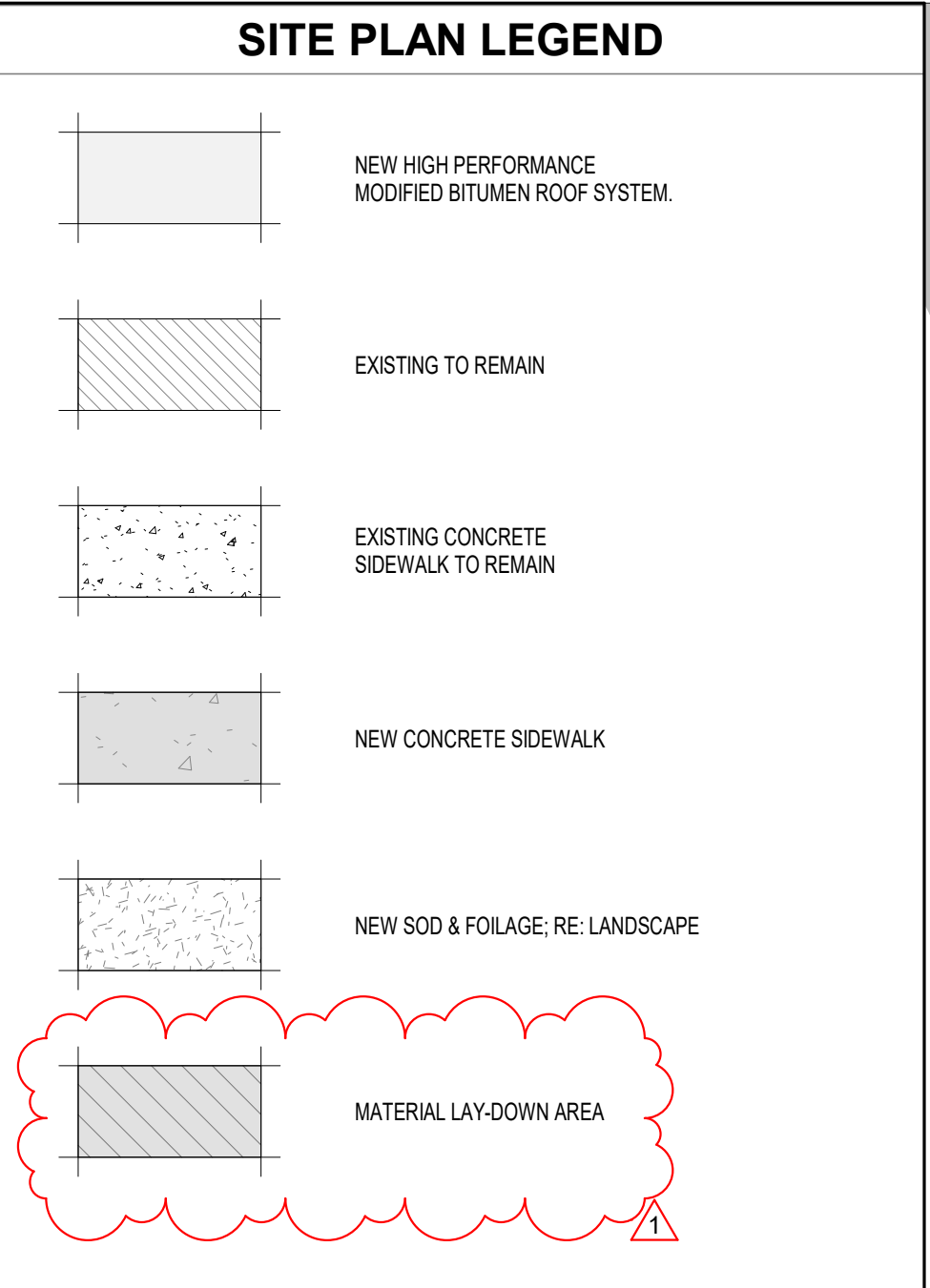


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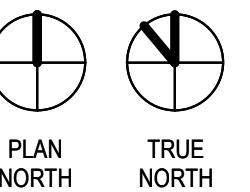
OVERALL SITE PLAN

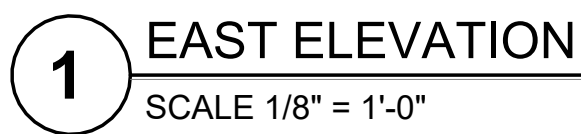
A1.1



1 OVERALL SITE PLAN

SCALE: 1" = 20'-0"

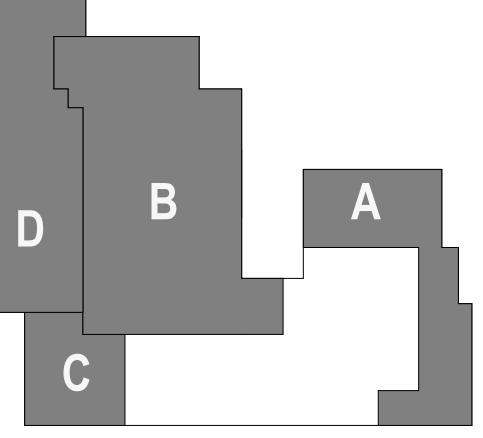




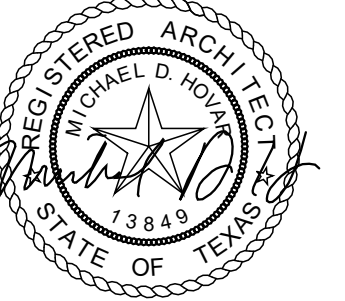
- 1 REMOVE EXISTING WOOD TRIM @ PRE-CAST PANEL JOINTS.
- 2 INSTALL NEW 24 GA. SHEET METAL CAP AT EXISTING PRE-CAST PANEL JOINTS - COLOR TO MATCH COPING; RE: DETAIL 9/A2.1
- 3 REPAIR EXISTING LOUVERED WOOD DOOR AND REPLACE HARDWARE.
- 4 REPAIR AND PAINT EXISTING FIXED MECHANICAL LOUVERS.

ELEVATIONS

A5.02



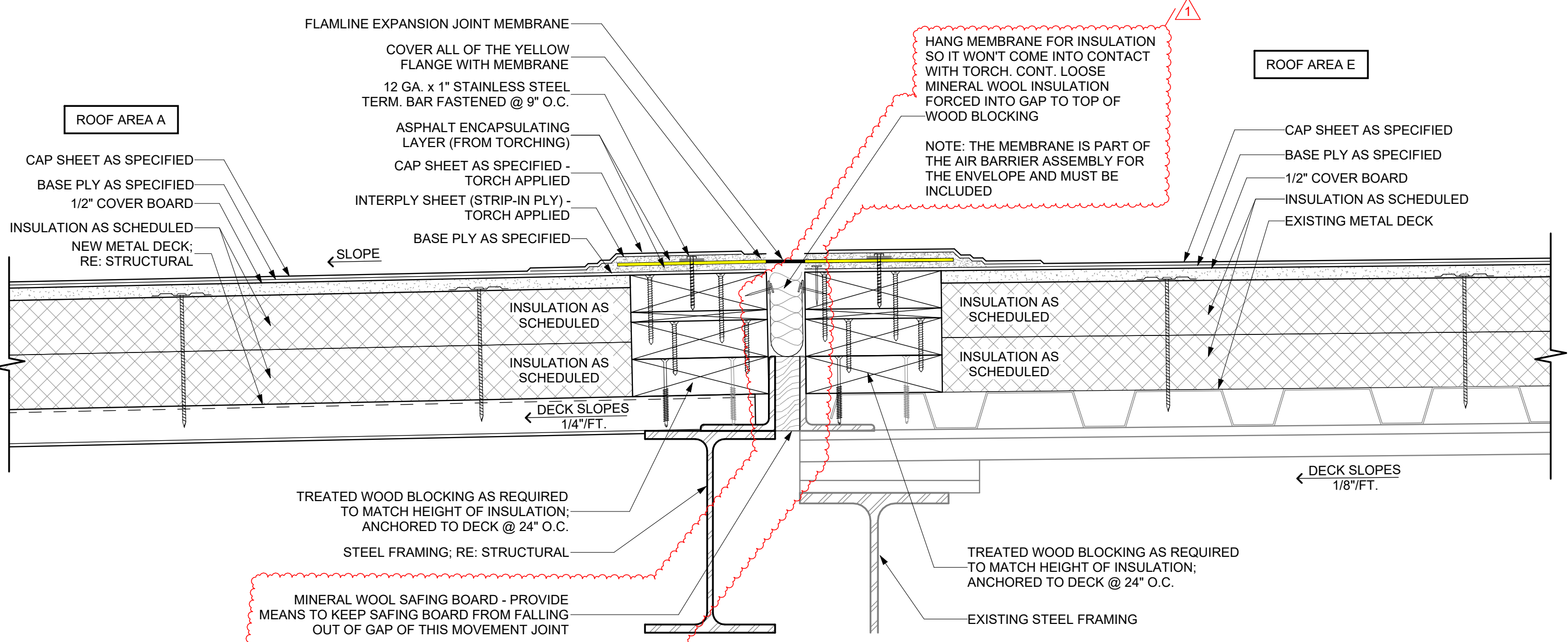
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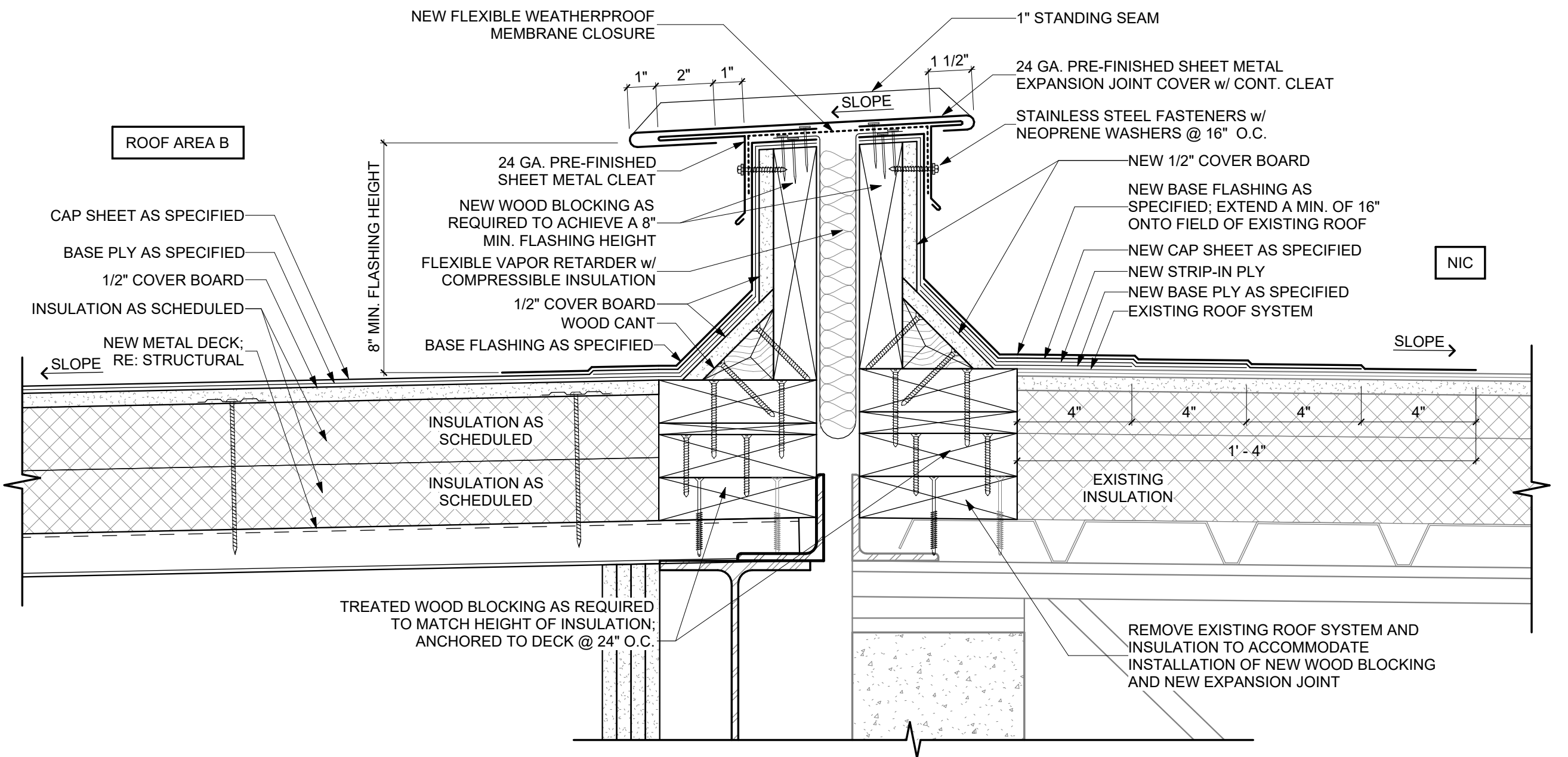
DATE: 02/21/2025		
SEAL	ADDENDUM NO. 1	02/10/2025
REV.	DESCRIPTION	DATE
PROJECT ISSUE DATE:	02/21/2025	
PHASE:	FB (ISSUE FOR BID)	
DRAWN BY:	Author	
CHECKED BY:	Checker	
PROJECT NUMBER:	2023-29	
SHEET IDENTIFICATION		

DETAILS - 2

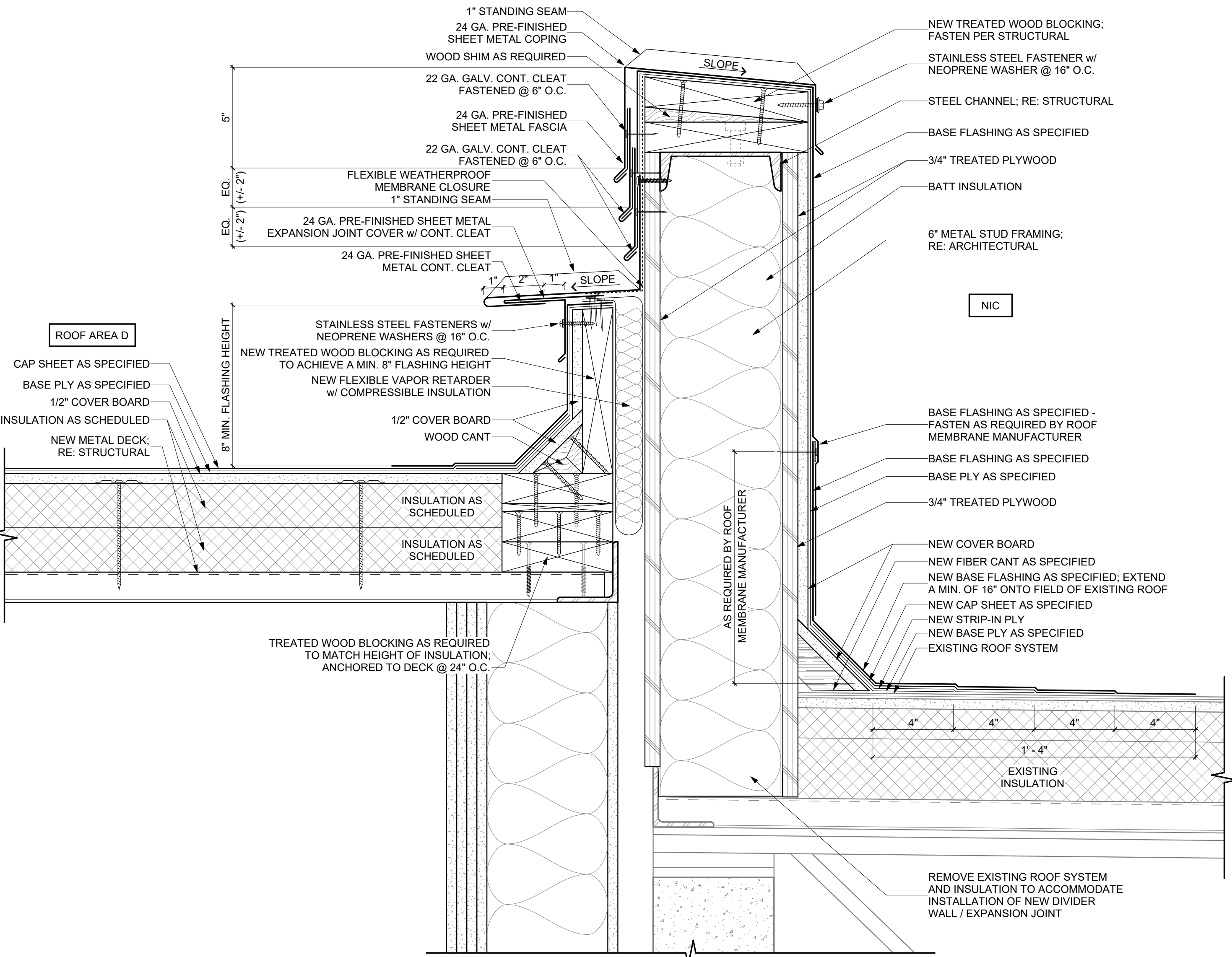
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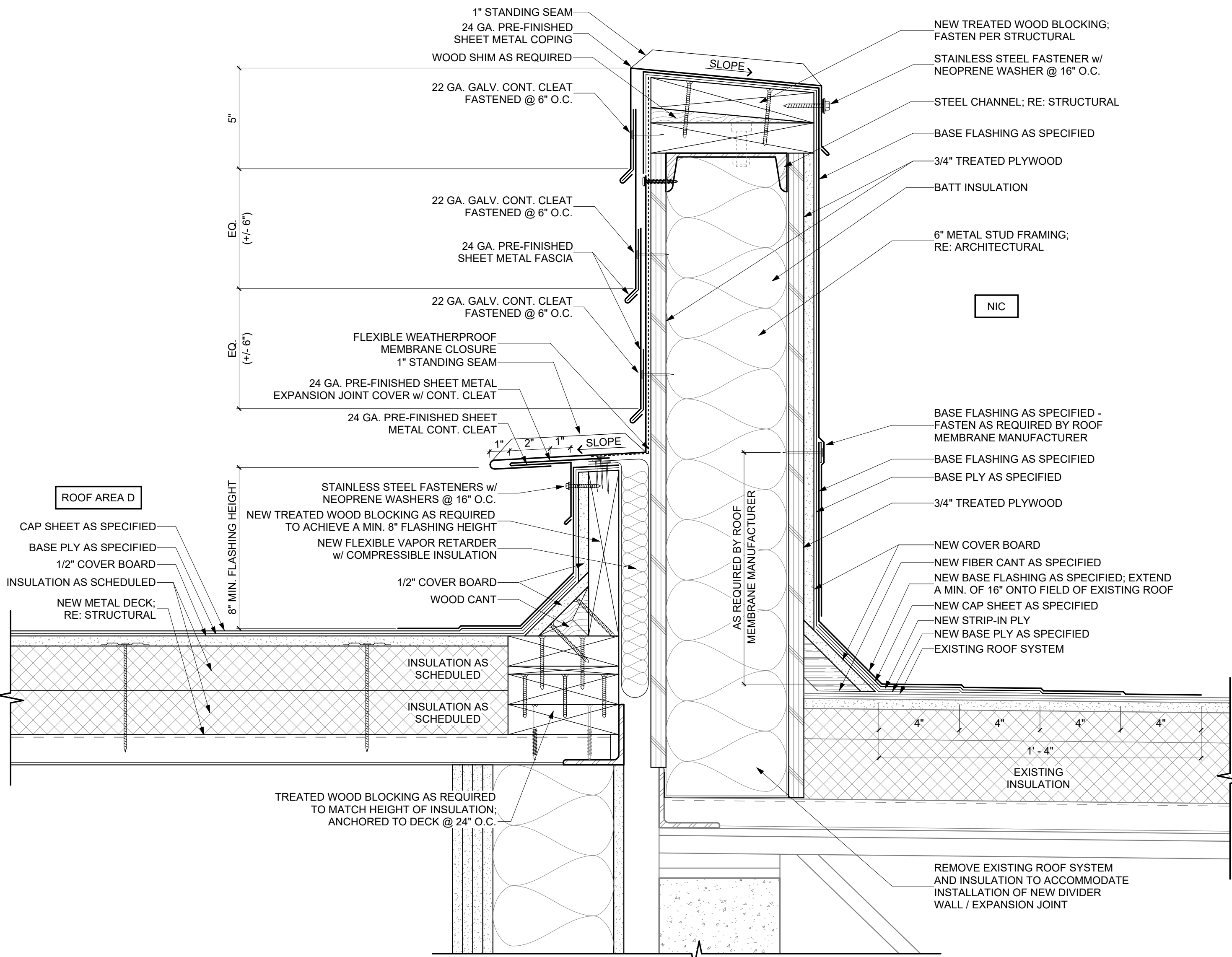
1 EXPANSION JOINT BETWEEN ROOF AREAS A & E
SCALE 3" = 1'-0"



2 EXPANSION JOINT BETWEEN ROOF AREA B & NIC
SCALE 3" = 1'-0"



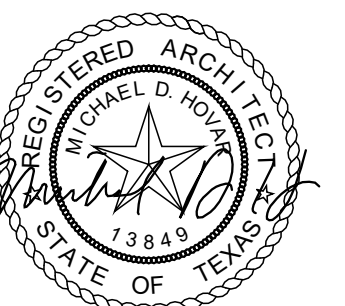
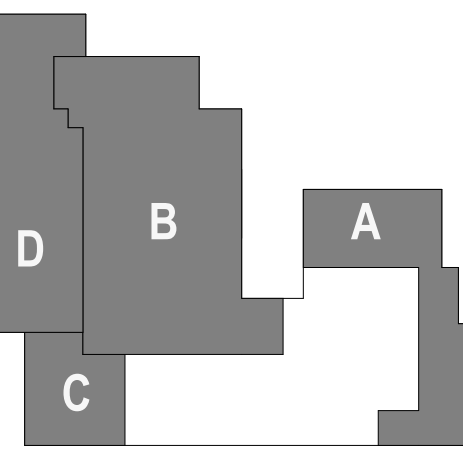
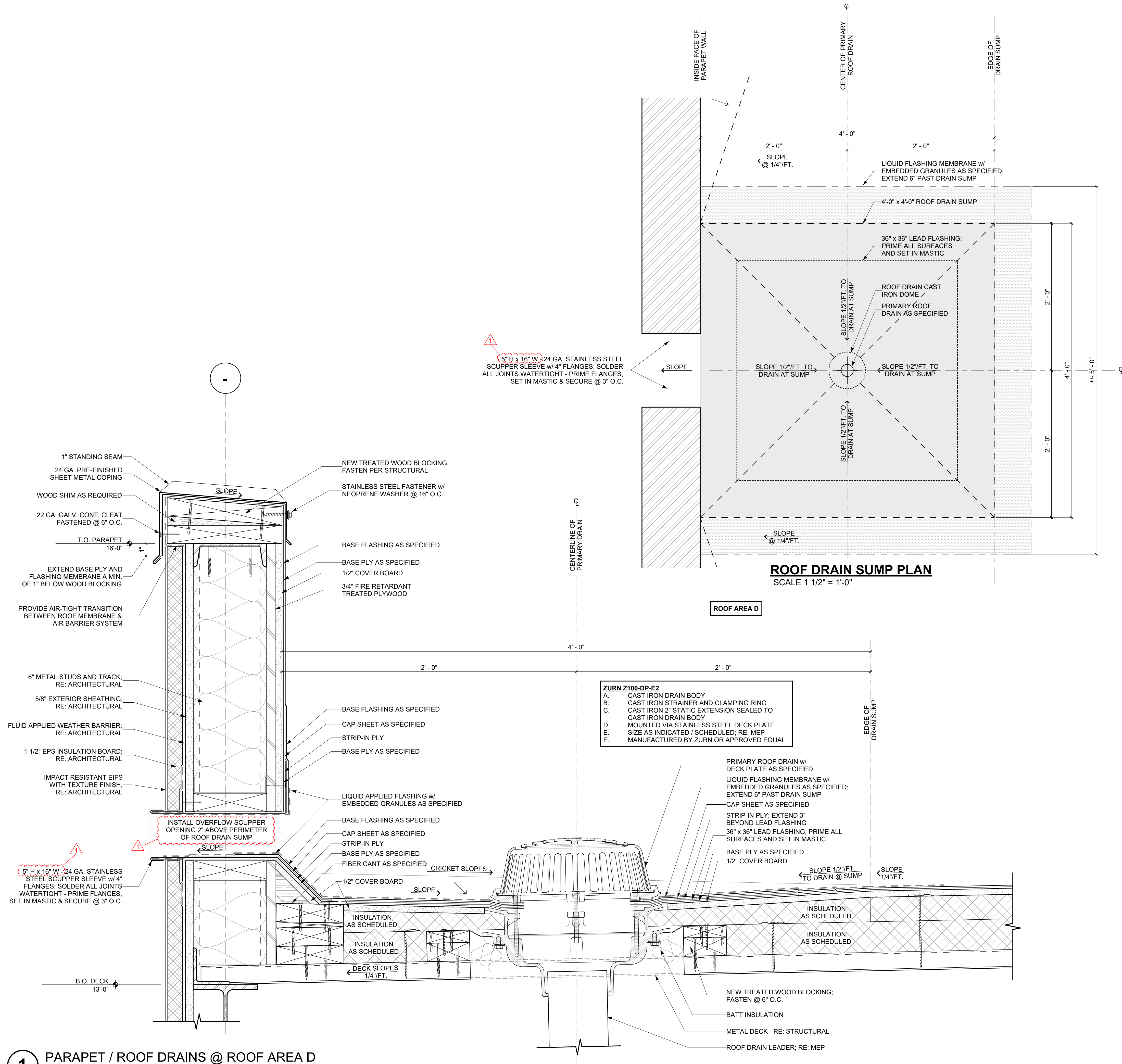
3 EXPANSION JOINT BETWEEN ROOF AREA D & NIC (@ HIGH SIDE)
SCALE 3" = 1'-0"



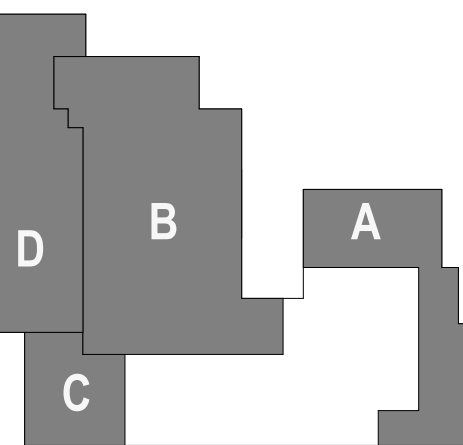
4 EXPANSION JOINT BETWEEN ROOF AREA D & NIC (@ LOW SIDE)
SCALE 3" = 1'-0"

3/10/2025 12:16:34 PM

1 PARAPET / ROOF DRAINS @ ROOF AREA D
SCALE 3" = 1'-0"



DATE: 02/21/2025		
SEAL	ADDENDUM NO. 1	02/10/2025
REV.	DESCRIPTION	DATE
PROJECT ISSUE DATE:	02/21/2025	
PHASE:	IFB (ISSUE FOR BID)	
DRAWN BY:	Author	
CHECKED BY:	Checker	
PROJECT NUMBER:	2023-29	
SHEET IDENTIFICATION		

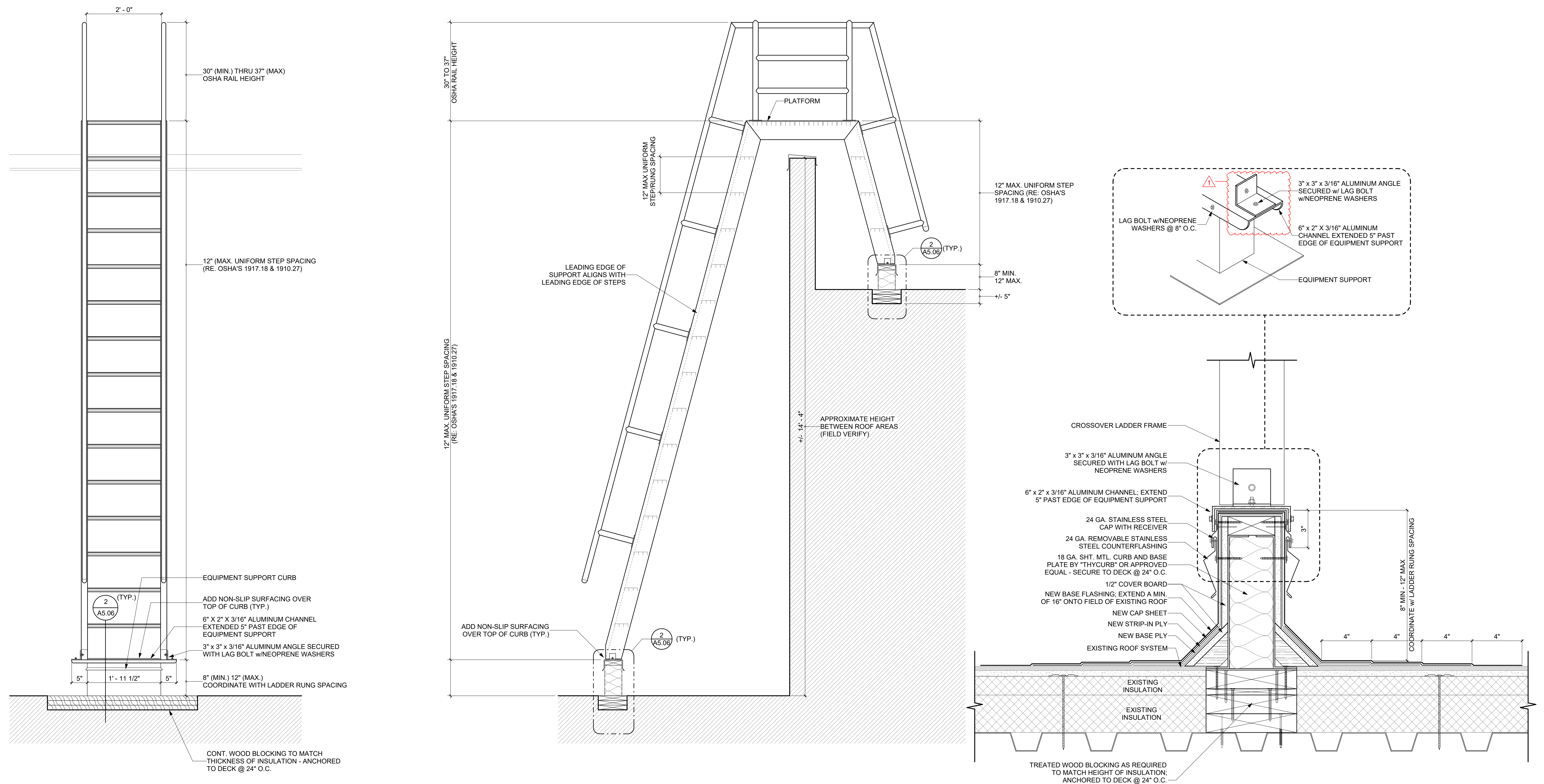


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ADDENDUM NO. 1		03/10/2025
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SUBJECT ISSUE DATE:		02/21/2025
ISSUE:	IFB (ISSUE FOR BID)	
DRAWN BY:	Author	
CHECKED BY:	Checker	
SUBJECT NUMBER:		2023-29
SUBJECT IDENTIFICATION		

5.06

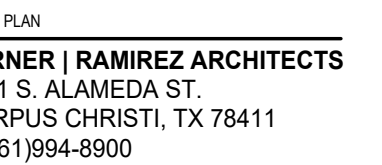


1 CROSSOVER LADDER

SCALE 3" = 1'-0"

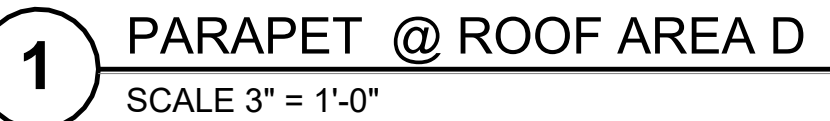
2 EQUIPMENT SUPPORT CURB @ LADDER
SCALE 3" = 1'-0"

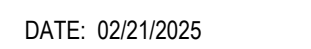
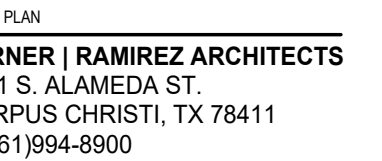
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	DESCRIPTION	DATE
SUBJECT ISSUE DATE:		02/21/2025
USE:	IFB (ISSUE FOR BID)	
OWN BY:		Author
CHECKED BY:		Checker
SUBJECT NUMBER:		2023-29
SUBJECT IDENTIFICATION		

A5.07



DETAILS - 7

A5.09

1 SECTION @ ABANDONED WINDOW OPENING
SCALE 3" = 1'-0"

—EXISTING WOOD TRIM TO REMAIN

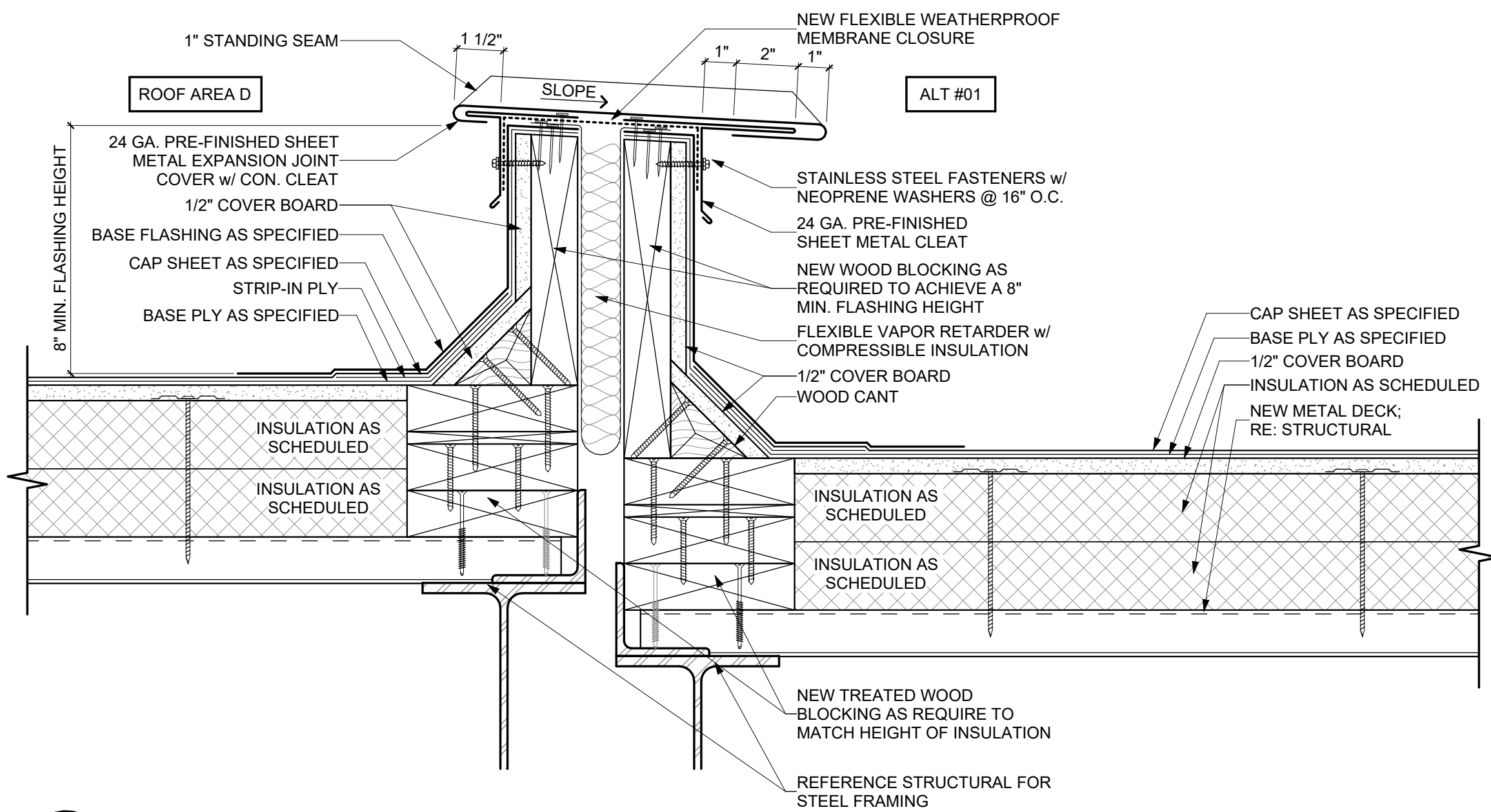
+/- 2'-0"
FIELD VERIFY

+/- 2'-0"
FIELD VERIFY

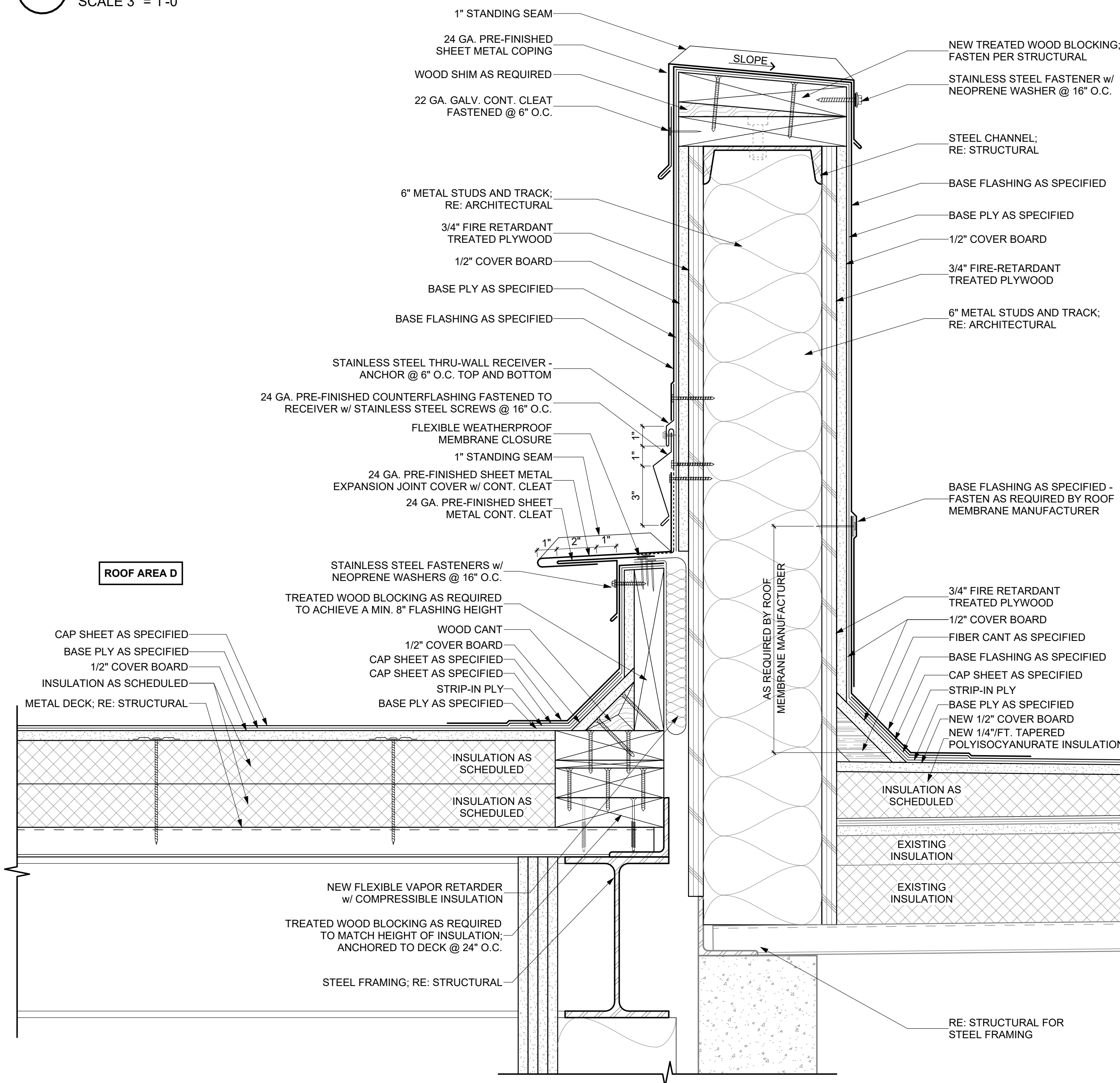
+/- 3'-5"

FIELD VERIFICATION

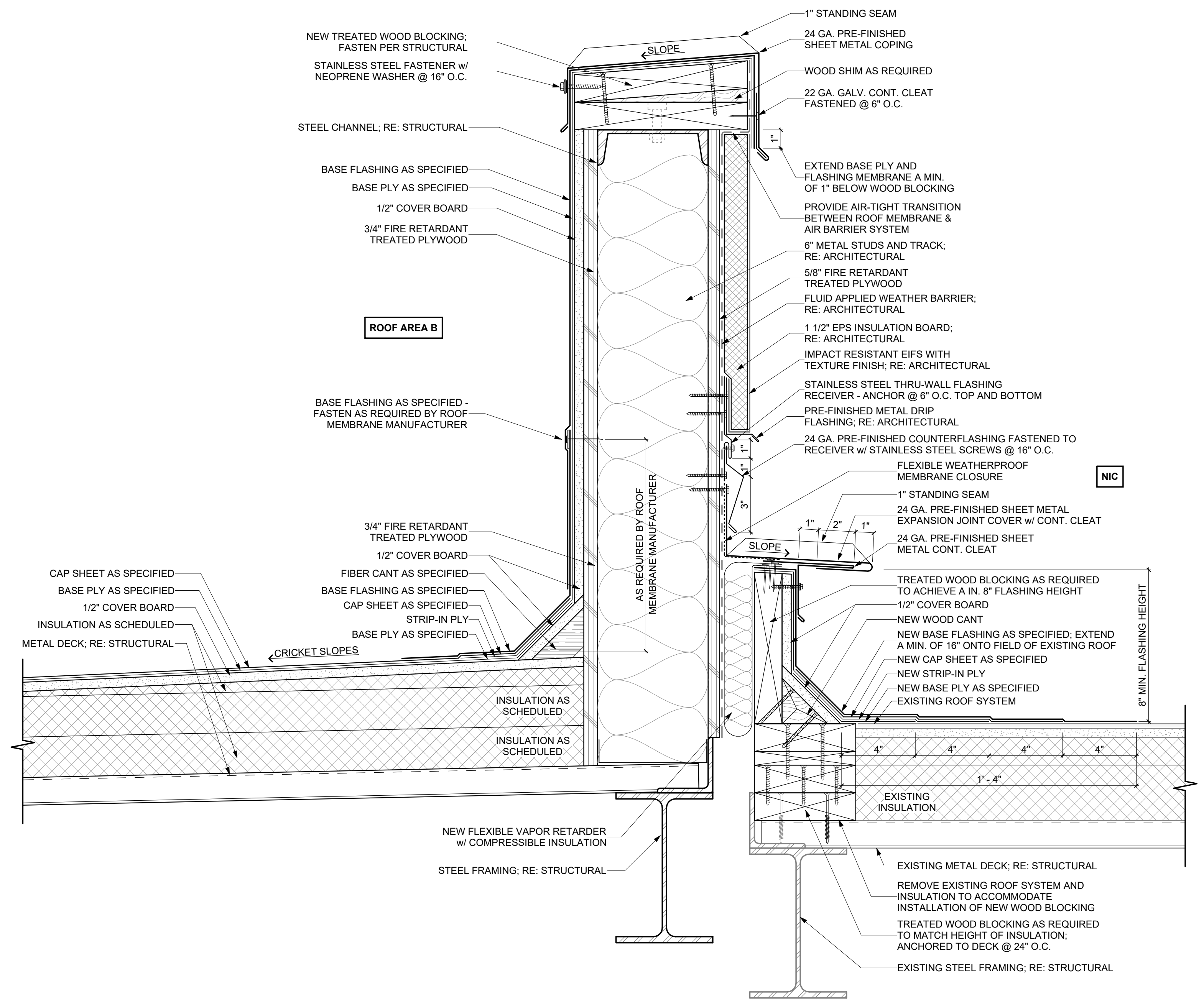
2 PLAN DETAIL @ ABANDONED WINDOW OPENING
SCALE 3" = 1'-0"



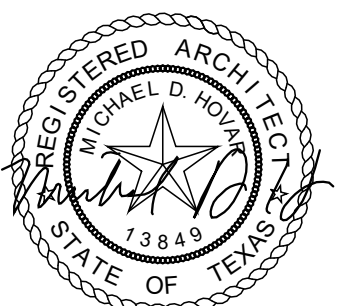
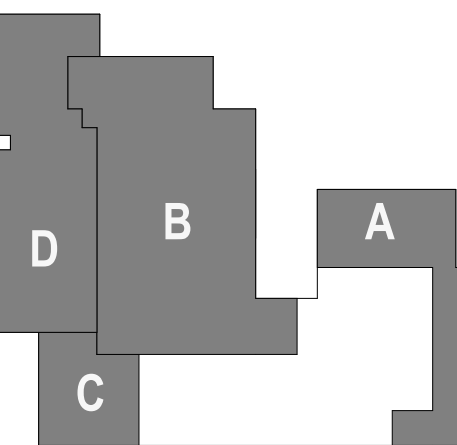
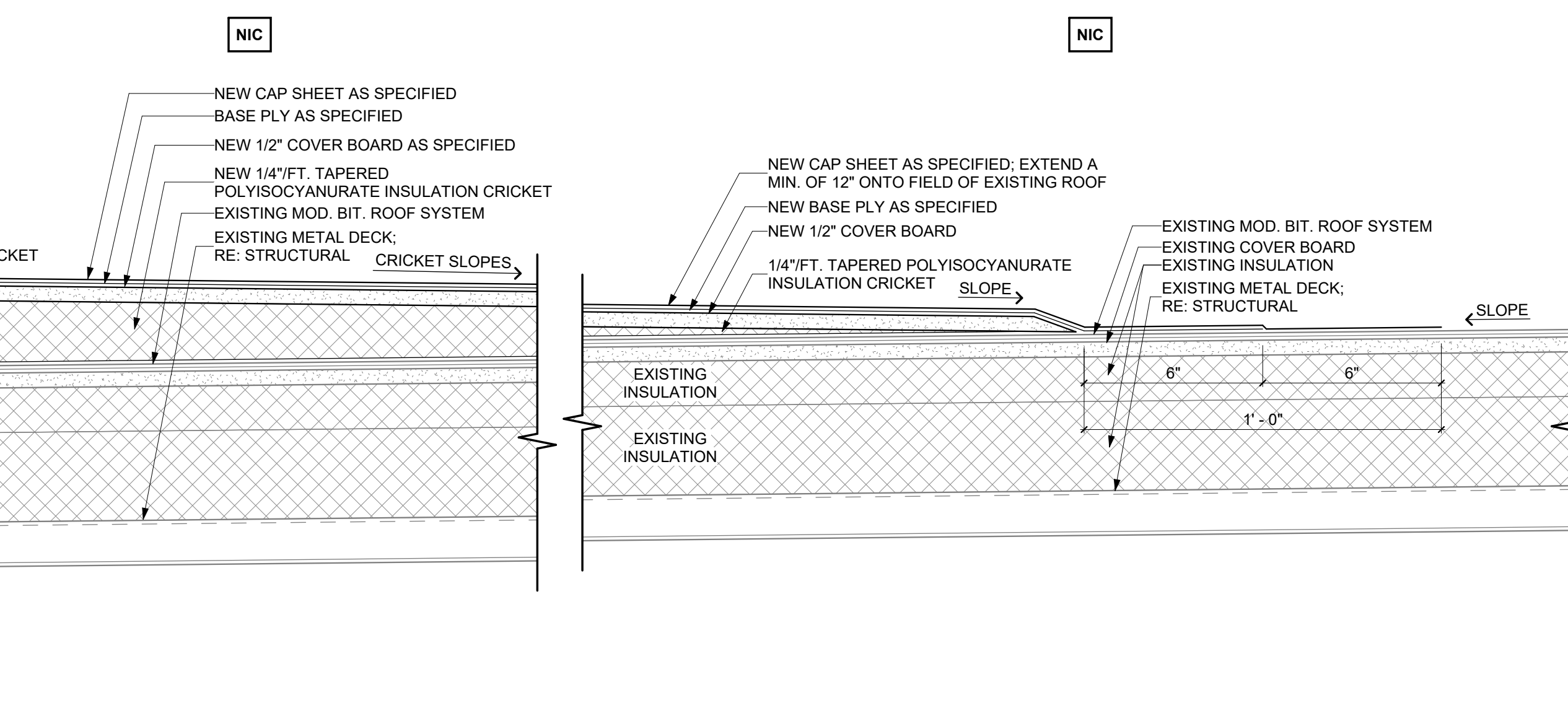
1 EXPANSION JOINT BETWEEN ROOF AREAS D & ALT #01
SCALE 3" = 1'-0"



3 EXPANSION JOINT BETWEEN ROOF AREA D & NIC (@ NEW CRICKET)
SCALE 3" = 1'-0"



2 EXPANSION JOINT BETWEEN ROOF AREA B & NIC CANOPY
SCALE 3" = 1'-0"



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PROJECT NUMBER: 2023-29		
SHEET IDENTIFICATION		

GENERAL NOTES - DOORS & WINDOW

1. INSTALL TEMPERED OR SAFETY GLASS IN OPENINGS WHERE REQUIRED BY CODE.
2. SET WINDOW SUBSILLS IN CONTINUOUS BEAD OF SEALANT.
3. TURN SUBSILLS AND FLASHING MEMBRANE UP AT JAMBS TO FORM END DAMS.
4. SPACE ANCHORS OF DOOR AND WINDOW FRAMES NO MORE THAN 16".
5. INSTALL ONE WINDOW AND ONE DOOR FOR ARCHITECT'S INSPECTION BEFORE PROCEEDING.
6. VERIFY HEAD HEIGHTS OF OPENINGS ON THE EXTERIOR AND INTERIOR ELEVATIONS. INFORM ARCHITECT OF DISCREPANCIES PRIOR TO PROCEEDING.
7. ALL UNSCHEDULED INTERIOR GLAZING SHALL BE "TYPE GL-3" ALL UNSCHEDULED EXTERIOR GLAZING SHALL BE "TYPE GL-1".
8. ALL INTERIOR HOLLOW METAL GLAZING SYSTEMS SHALL HAVE GLASS AND GLAZING STOPS ON HALLWAY OR MORE "PUBLIC" SIDE OF FRAME.
9. PROVIDE ACOUSTICAL GLAZING IN ALL DOORS/WINDOWS THAT ARE LOCATED IN SOUND WALL TYPE 'H'

DOOR REMARKS

1. REFER TO FRAME TYPES FOR HEAD AND JAMB DETAIL REFERENCES.
2. SOUND CONTROL DOOR. RE: SPEC. SECTION 03 34 73
3. SOUND CONTROL WINDOW. RE: SPEC. SECTION XX-XX-XX
4. GASKETED DOOR.
5. MAGNETIC HOLD OPEN TIED TO FIRE ALARM SYSTEM TO ACTIVATE/RELEASE UPON ALARM.
6. DOOR TIED TO FIRE ALARM SYSTEM TO AUTOMATICALLY CLOSE UPON ALARM.
7. OVERHEAD COLING DOOR/GRILLE: (M) = MOTORIZED (C) = MANUAL CHAIN OPERATED (P) = MANUAL PUSH UP/PULL DOWN
8. SMOKE SEALS ONLY.
9. PROVIDE ACOUSTICAL SEALS AT DOOR FRAME.

GLAZING LEGEND

LABEL	DESCRIPTION
GL-1	LOW-E-COATED, TINTED, IMPACT-RESISTANT, INSULATING LAMINATED GLASS.
GL-2	CLEAR LAMINATED GLASS
GL-3	CLEAR 45-MINUTE FIRE-RATED GLAZING. REFER TO SPECIFICATION SECTION 08 88 13 - FIRE-RATED GLAZING
GL-4	CLEAR 90-MINUTE FIRE-RATED GLAZING. REFER TO SPECIFICATION SECTION 08 88 13 - FIRE-RATED GLAZING

DOOR SCHEDULE - ZONE 'A' BASE BID

NUMBER	ROOM NAME	PAIR	DOOR			FRAME		FIRE RATING	DETAILS			REMARKS		
			WIDTH	HEIGHT	TYPE	MATERIAL	GLAZING		TYPE	MATERIAL	HEAD		JAMB	THRESHOLD
A100A	COUNTY		3'-0"	7'-0"	H	ALUM	GL-1		A	ALUM	15/A8.4	14/A8.4	7/A8.3	
A100B	COUNTY		3'-0"	7'-0"	H	ALUM	GL-1	A	ALUM		6/A8.3	5/A8.3	4/A8.3	
A101A	COUNTY OFFICE		3'-0"	7'-0"	B	PL3	GL-3	A	HM		12/A8.5	11/A8.5	1/A8.3	
A101B	COUNTY OFFICE		3'-0"	7'-0"	A	PL3	--		ALUM	45 MIN.	10/A8.3	9/A8.3	4/A8.3	
A102	HR ASSISTANT		3'-0"	7'-0"	B	PL3	GL-3	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
A103	HR DIRECTOR		3'-0"	7'-0"	A	PL3	--	A	ALUM	45 MIN.	10/A8.3	9/A8.3	4/A8.3	
A104	CITY SECRETARY		3'-0"	7'-0"	A	PL3	--		ALUM	45 MIN.	10/A8.3	9/A8.3	4/A8.3	
A105	CITY SECRETARY		3'-0"	7'-0"	A	PL3	--		ALUM	45 MIN.	10/A8.3	9/A8.3	4/A8.3	
A106	RR		3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
A107	RR		3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
A108	OFFICE		3'-0"	7'-0"	A	PL3	--		ALUM	45 MIN.	10/A8.3	9/A8.3	4/A8.3	
A109A	CORRIDOR A		3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	3/A8.5	1/A8.5 2/A8.5	1/A8.3	
A109B	HALL		3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	3/A8.5	1/A8.5 2/A8.5	1/A8.3	
A110A	CORRIDOR B		3'-0"	7'-0"	B	ALUM	GL-1	A	ALUM		8/A8.4	7/A8.4	7/A8.3	
A110B	CORRIDOR B		3'-0"	7'-0"	B	ALUM	GL-1	A	ALUM		8/A8.4	7/A8.4	7/A8.3	
A110C	CORRIDOR B		3'-0"	7'-0"	B	PL3	GL-3	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
A110D	CORRIDOR B		3'-0"	7'-0"	A	PL3	--		HM	45 MIN.	3/A8.5	1/A8.5 2/A8.5	1/A8.3	
A111	I.T.		3'-0"	7'-0"	A	PL3	--		ALUM	45 MIN.	10/A8.3	9/A8.3	4/A8.3	
A112	IDF		3'-0"	7'-0"	A	PL3	--		A	HM	6/A8.3	5/A8.3	4/A8.3	
A113	SUPPLY ROOM		3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
A114	MEETING & EMERGENCY MANAGEMENT CONF.		3'-0"	7'-0"	B	PL3	GL-3	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
A116	INSPECTOR		3'-0"	7'-0"	B	PL3	GL-3	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
A117	PID OFFICE		3'-0"	7'-0"	B	PL3	GL-3	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	

DOOR SCHEDULE - ZONE 'B' BASE BID

NUMBER	ROOM NAME	DOOR					FRAME		FIRE RATING	DETAILS			REMARKS	
		PAIR	WIDTH	HEIGHT	TYPE	MATERIAL	GLAZING	TYPE		MATERIAL	HEAD	JAMB		THRESHOLD
B100A	CORRIDOR C (BASE BID)	PAIR	3'- 0"	7'- 0"	B	PL3	GL-4	A	HM	90 MIN.	3/A8.3	5/A8.5	1/A8.3	
B100B	CORRIDOR C (BASE BID)	PAIR	3'- 0"	7'- 0"	B	PL3	GL-4	A	HM	90 MIN.	3/A8.3	5/A8.5	1/A8.3	
B100C	CORRIDOR C (BASE BID)	PAIR	3'- 0"	7'- 0"	B	PL3	GL-4	A	HM	90 MIN.	3/A8.3	5/A8.5	1/A8.3	
B100D	CORRIDOR C (BASE BID)	PAIR	3'- 0"	7'- 0"	B	PL3	GL-4	A	HM	90 MIN.	3/A8.3	5/A8.5	1/A8.3	
B103A	CATER PREP (BASE BID)	PAIR	6'- 0"	7'- 0"	J	POLYETHYLENE		A	HM		6/A8.3	5/A8.3	4/A8.3	
B103B	CATER PREP (BASE BID)		3'- 0"	7'- 0"	B	ALUM	GL-1	A	ALUM		8/A8.4	7/A8.4	7/A8.3	
B103C	CATER PREP (BASE BID)		3'- 0"	7'- 0"	A	PL3		A	HM	90 MIN.	3/A8.3	6/A4.1 4/A8.5	1/A8.3	

DOOR SCHEDULE - ZONE 'C' BASE BID

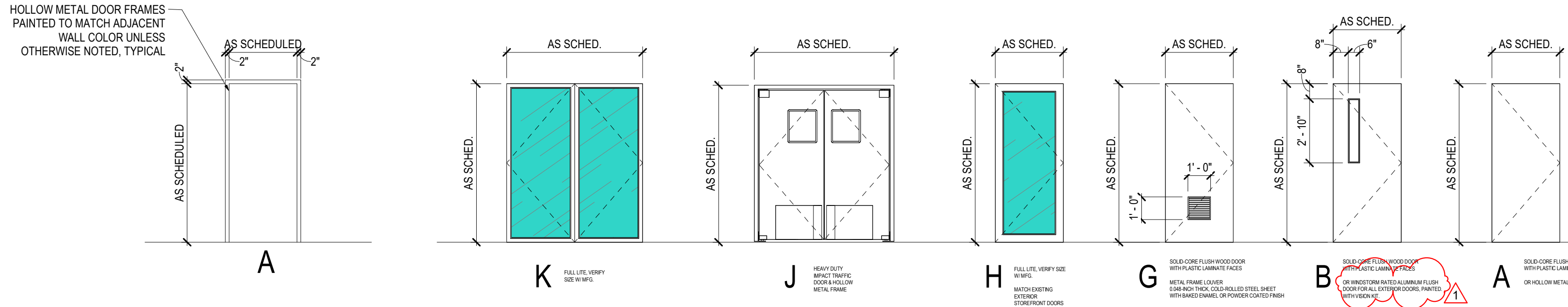
NUMBER	ROOM NAME	DOOR					FRAME		FIRE RATING	DETAILS			REMARKS	
		PAIR	WIDTH	HEIGHT	TYPE	MATERIAL	GLAZING	TYPE		MATERIAL	HEAD	JAMB		THRESHOLD
C100	STORAGE		3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
C101	CORRIDOR C		3'-0"	7'-0"	B	PL3	GL-4	A	HM	90 MIN.	3/A8.3	2/A8.3	1/A8.3	
C102	CITY HALL COUNCIL CHAMBERS (ALTERNATE 01)	PAIR	3'-0"	7'-0"	B	PL3	GL-4	A	HM	90 MIN.	6/A8.3	5/A8.3	4/A8.3	
C103	HALL		3'-0"	7'-0"	A	PL3	--	A	HM	90 MIN.	6/A8.3	5/A8.3	4/A8.3	

DOOR SCHEDULE - ZONE 'D' BASE BID

NUMBER	ROOM NAME	DOOR						FRAME		FIRE RATING	DETAILS			REMARKS
		PAIR	WIDTH	HEIGHT	TYPE	MATERIAL	GLAZING	TYPE	MATERIAL		HEAD	JAMB	THRESHOLD	
D100A	CORRIDOR C	PAIR	3'-0"	7'-0"	K	ALUM	GL-1	A	ALUM	--	8/A8.4	7/A8.4	7/A8.3	
D100B	CORRIDOR C		3'-0"	7'-0"	B	ALUM	GL-1	A	ALUM	--	8/A8.4	7/A8.4	7/A8.3	
D101A	CORRIDOR C		3'-0"	7'-0"	B	PL3	GL-4	A	HM	90 MIN.	7/A8.5	6/A8.5	4/A8.3	
D101B	MEETING A		3'-0"	7'-0"	B	PL3	GL-4	A	HM	90 MIN.	7/A8.5	6/A8.5	4/A8.3	
D102A	MEETING B	PAIR	3'-0"	7'-0"	B	PL3	GL-4	A	HM	90 MIN.	7/A8.5	6/A8.5	4/A8.3	
D102B	CORRIDOR C		3'-0"	7'-0"	B	PL3	GL-4	A	HM	90 MIN.	7/A8.5	6/A8.5	4/A8.3	
D103	MEETING A		3'-0"	7'-0"	A	PL3	--	A	HM	--	6/A8.3	5/A8.3	4/A8.3	
D104	MEETING A		3'-0"	7'-0"	A	PL3	--	A	HM	--	6/A8.3	5/A8.3	4/A8.3	
D105A	STO.	PAIR	3'-0"	7'-0"	A	PL3	--	A	HM	--	6/A8.3	5/A8.3	4/A8.3	
D105B	STO.	PAIR	3'-0"	7'-0"	A	PL3	--	A	HM	--	6/A8.3	5/A8.3	4/A8.3	
D106	CORRIDOR C	PAIR	3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
D107	WOMEN'S RR		3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
D108	MEN'S RR		3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
D109	IDF		3'-0"	7'-0"	A	PL3	--	A	HM	--	6/A8.3	5/A8.3	4/A8.3	
D110	LOCKABLE STORAGE	PAIR	3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
D111	MAINTENANCE		3'-0"	7'-0"	A	PL3	--	ALUM	45 MIN.	10/A8.3	9/A8.3	4/A8.3		
D112	ELECTRICAL		3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
D113	FACILITY COORDINATOR		3'-0"	7'-0"	A	PL3	--	ALUM	45 MIN.	10/A8.3	9/A8.3	4/A8.3		
D114	BREAK ROOM	PAIR	3'-0"	7'-0"	B	PL3	GL-3	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
D115A	CORRIDOR D		3'-0"	7'-0"	B	ALUM	GL-1	A	ALUM	--	8/A8.4	7/A8.4	7/A8.3	
D115B	CORRIDOR C		3'-0"	7'-0"	B	PL3	GL-3	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
D117	EX PORTABLE EQUIPMENT STORAGE		PAIR	3'-0"	7'-0"	A	HM	--	A	ALUM	90 MIN.	3/A8.5	1/A8.5	1/A8.3
D118	JAN	PAIR	3'-0"	7'-0"	A	PL3	--	A	HM	45 MIN.	6/A8.3	5/A8.3	4/A8.3	
D119	STORAGE		3'-0"	7'-0"	A	HM	--	A	ALUM	90 MIN.	3/A8.3	5/A8.3	1/A8.3	

DOOR SCHEDULE - ZONE 'B' ALT 02

NUMBER	ROOM NAME	DOOR						FRAME		FIRE RATING	DETAILS			REMARKS
		PAIR	WIDTH	HEIGHT	TYPE	MATERIAL	GLAZING	TYPE	MATERIAL		HEAD	JAMB	THRESHOLD	
AA 200	LOBBY (ALTERNATE 02)	PAIR	3' - 0"	7' - 0"	K	ALUM	GL-4		ALUM	90 MIN.	6/A8.5	13/A8.5	4/A8.3	
AA 201	LOBBY (ALTERNATE 02)	PAIR	3' - 0"	7' - 0"	K	ALUM	GL-4		ALUM	90 MIN.	6/A8.5	13/A8.5	4/A8.3	
AA 202	LOBBY (ALTERNATE 02)	PAIR	3' - 0"	7' - 0"	K	ALUM	GL-4		ALUM	90 MIN.	6/A8.5	13/A8.5	4/A8.3	

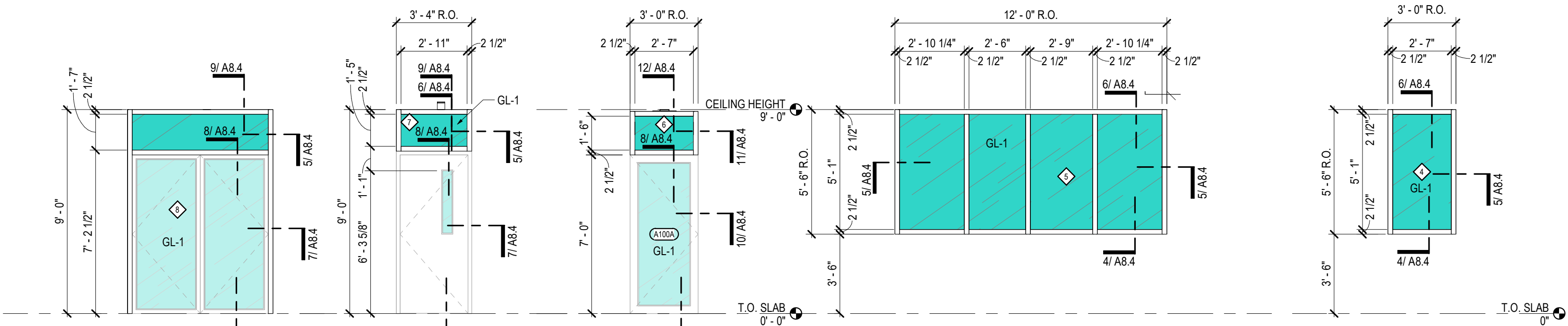


DOOR FRAME TYPE

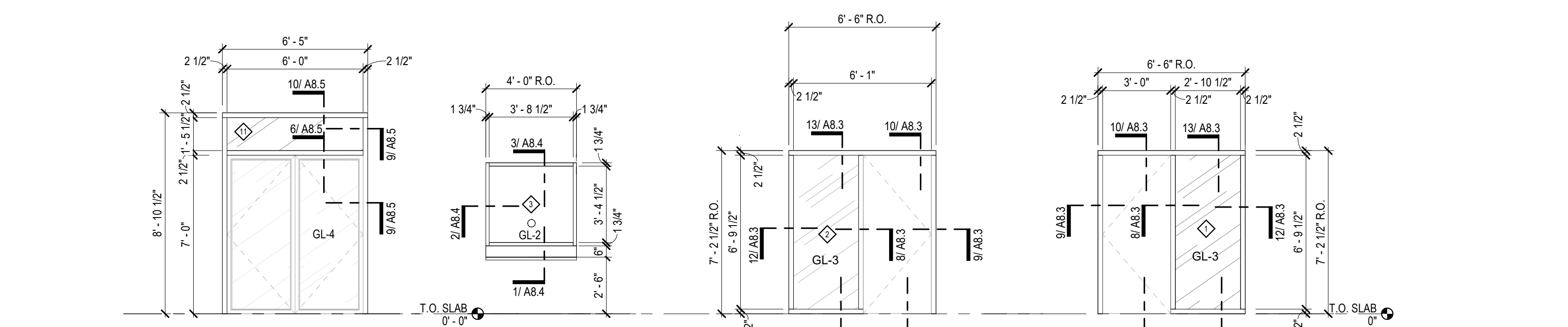
SCALE: 1/4" = 1'-0"

DOOR PANEL TYPES

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



- ◇ BASIS OF DESIGN: MATCH EXISTING EXTERIOR DOOR & TRANSOM. 5" STOREFRONT SYSTEM KAWNEER IR 501T 2-3/4" SIGHTLINE 1-5/16" IMPACT RESISTANT GLAZING
- ◇ BASIS OF DESIGN: MATCH EXISTING DOOR AND TRANSOM. 5" STOREFRONT SYSTEM KAWNEER IR 501T 2-3/4" SIGHTLINE 1-5/16" IMPACT RESISTANT GLAZING
- ◇ BASIS OF DESIGN: 5" STOREFRONT SYSTEM KAWNEER IR 501T 2-3/4" SIGHTLINE 1-5/16" IMPACT RESISTANT GLAZING
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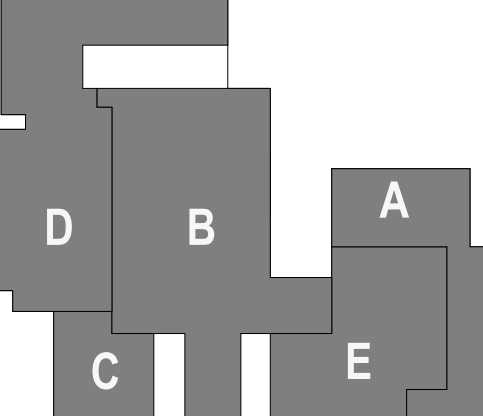
- ◇ BASIS OF DESIGN: TOP "FIREFRAMES DESIGNER". RE: SPECIFICATION SECTION 08 44 30 - 90-MINUTE FIRE-RATED GLAZED FRAMING SYSTEM
- ◇ BASIS OF DESIGN: KAWNEER TRIFAB 450 1 3/4" SIGHTLINE
- ◇ BASIS OF DESIGN: GPX ARCHITECTURAL SERIES FRAMING MFR. BY SAFTI FIRST 2 1/2" SIGHTLINE
- ◇ BASIS OF DESIGN: GPX ARCHITECTURAL SERIES FRAMING MFR. BY SAFTI FIRST 2 1/2" SIGHTLINE

1 ALUMINUM FRAMES

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



CITY OF PORT ARANSAS
CITY HALL EXPANSION
710 WEST AVENUE A,
PORT ARANSAS, TX 78373



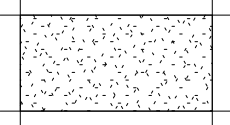
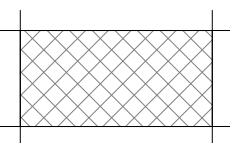
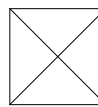
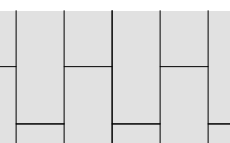
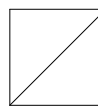
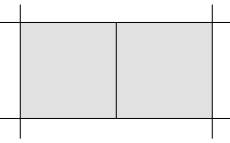
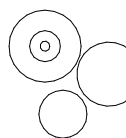
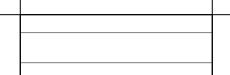
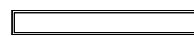
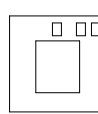
KEY PLAN
TURNER | RAMIREZ ARCHITECTS
3751 S. ALAMEDA ST.
CORPUS CHRISTI, TX 78411
p (361)994-8900
www.trarch.com



DATE: 02/21/2025		
SEAL	1	ADDENDUM 01 03/11/2025
REV.	DESCRIPTION	DATE
PROJECT ISSUE DATE: 02/21/2025		
PHASE: IFB (ISSUE FOR BID)		
DRAWN BY: MG		
CHECKED BY: JS		
PROJECT NUMBER: 2023-29		
SHEET IDENTIFICATION		
DOOR SCHEDULE, WINDOW ELEV., & DOOR / FRAME TYPES		

A8.1

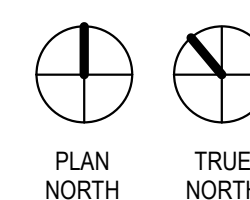
THIS LEGEND IS NOT EXCLUSIVE, AND ALL ITEMS ON LEGEND MAY NOT BE SHOWN IN DRAWINGS

	GYPI GYPSUM BOARD		2' X 4' LED FIXTURE (RECESSED)
	AP1 ACOUSTICAL PANEL		2' X 2' LED FIXTURE (RECESSED)
	SAT1 2' X 2' SUSPENDED CEILING SYSTEM WITH LAY-IN ACOUSTICAL PANELS		SUPPLY AIR GRILLE
	SAT2 (ALT.01) 24' X 72' SUSPENDED CEILING PANELS @ 50% OFFSET		RETURN AIR GRILLE
	SAT3 24' X 24' SUSPENDED CEILING PANELS		PENDANT LIGHT FIXTURE
	PAINTED EXPOSED STRUCTURE ABOVE		RECESSED FIXTURE
	VENTED HARDIE SOFFIT PANEL PRIMED FOR PAINT		LINEAR LIGHT FIXTURE
			CEILING-MOUNT PROJECTOR
			CEILING-MOUNTED SPEAKER

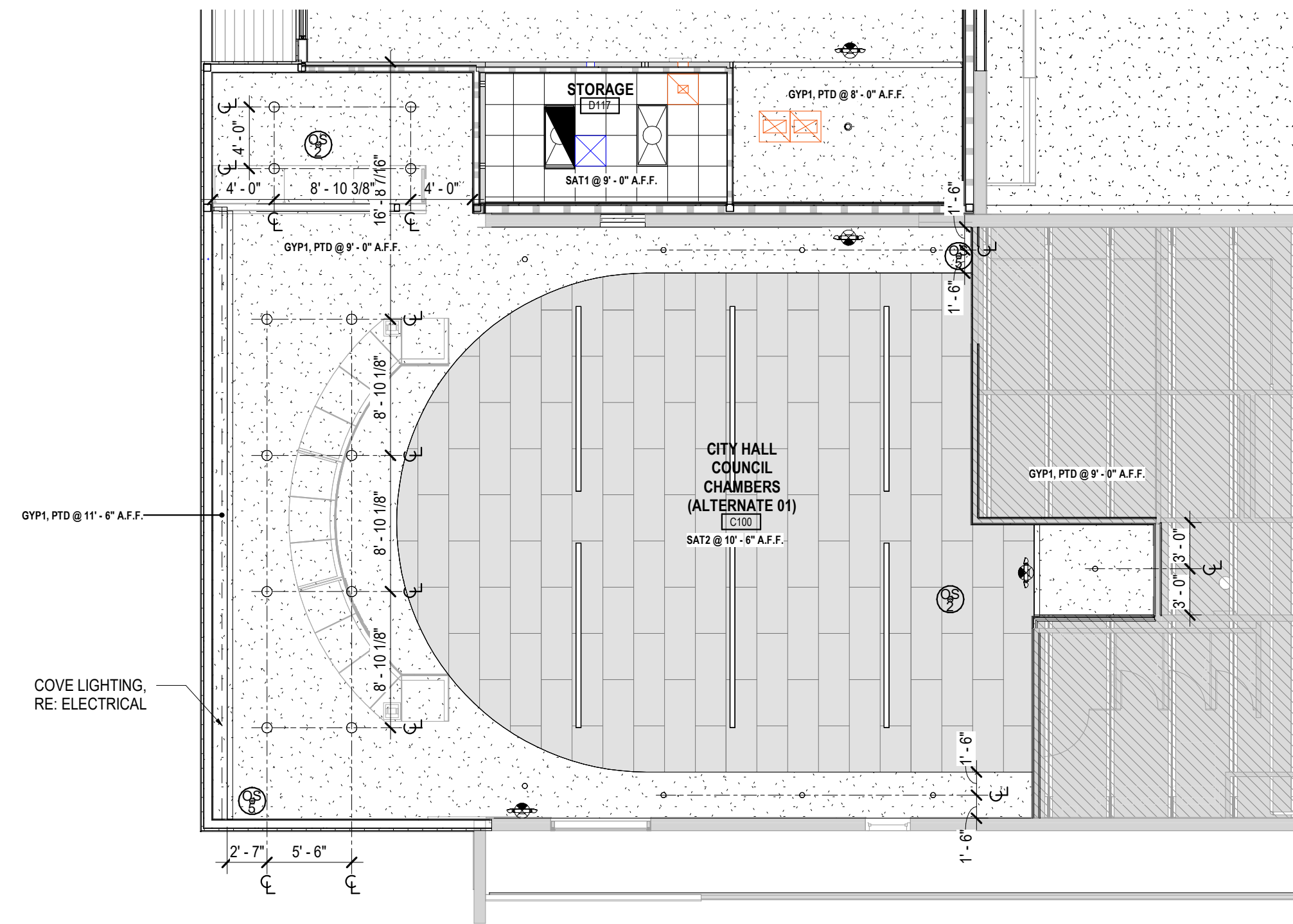
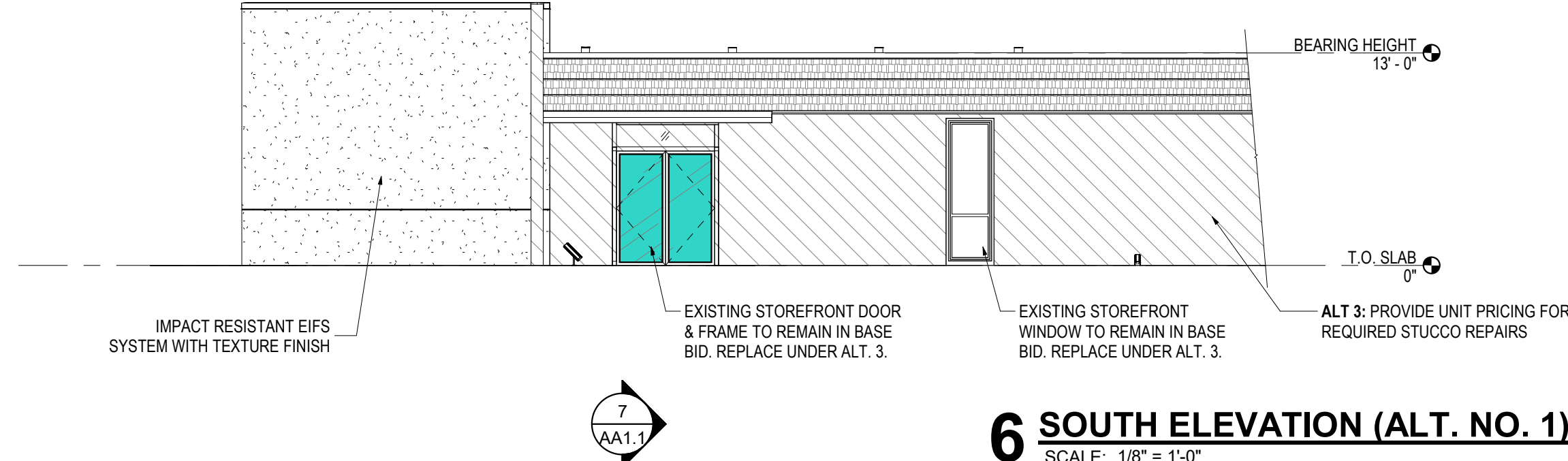
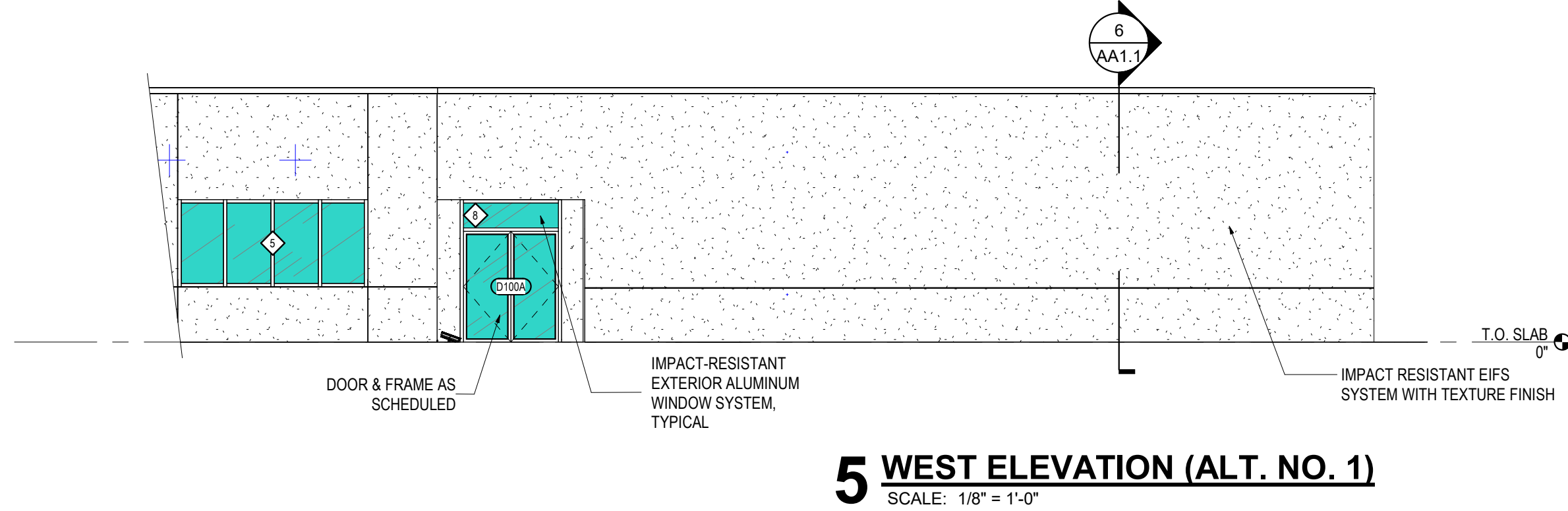
1	GENERAL CONTRACTOR TO COORDINATE AND DEVELOP A LAYOUT OF ALL MEP & SPRINKLER SYSTEMS THAT CROSS AND SERVICE AREAS THAT ARE TO BE INSTALLED "EXPOSED TO VIEW". SUBMIT THIS COORDINATED PLAN TO THE ARCHITECT FOR APPROVAL PRIOR THE DESIGN, FABRICATION AND/OR INSTALLATION OF ANY SYSTEM.
2	REFER TO INTERIOR ELEVATIONS AND/OR SECTIONS FOR LIGHT FIXTURE HEIGHTS.
3	FIRE SEAL ALL GAPS, CRACKS AND SEAL ALL PENETRATIONS THROUGHOUT CEILINGS AT ALL ASSEMBLIES.
4	ALL CONDUITS SERVING LIGHTING IS TO BE CONCEALED, INSTALL ABOVE CEILING AND/OR DECK WHERE NECESSARY.
5	ALL "EXPOSED TO VIEW" ITEMS (STRUCTURE, DUCTWORK, CONDUIT, ETC.) SHALL RECEIVE PAINTED FINISH (UNLESS OTHERWISE NOTED). ARCHITECT TO SELECT COLOR(S).
6	ALL GYPSUM BOARD SURFACES SHALL BE TAPED, FLOATED AND PAINTED. PAINT COLOR TO BE SELECTED BY ARCHITECT. VERIFY COLORS AND EXTENT OF APPLICATION WITH THE ARCHITECT PRIOR TO PAINTING.
7	PROVIDE 24" X 24" PAINTED FINISHED STEEL ACCESS PANELS FOR ALL ROOMS WITH GYPSUM BOARD CEILING AND PLUMBING FIXTURES. REVIEW LOCATIONS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
8	ELEVATIONS NOTED AS AFF ARE CONSIDERED ABOVE FINISHED FLOOR IMMEDIATELY BELOW. ITEMS NOTED WITHOUT AFF ARE TO BE CONSIDERED RELATIVE TO FINISH FLOOR = 0.
9	REFER FINISH SCHEDULES FOR MATERIAL DESIGNATIONS SHOWN ON INTERIOR ELEVATIONS.
10	ALL LIGHTING SHOWN IN ARCHITECTURAL RCPs ARE FOR LOCATION PURPOSES ONLY. TYPE SHALL BE DICTATED BY MEP DRAWINGS. SHOULD QUANTITY OF LIGHTS DIFFER BETWEEN THE TWO, CONTRACTOR SHALL INFORM ARCHITECT IN WRITING OF ALL SUCH DISCREPANCIES. IF QUANTIFICATION CANNOT BE MADE PRIOR TO BID, CONTRACTOR SHALL PRICE THE GREATER QUANTITY AND SHALL BE HELD TO AS SUCH.
11	VERIFY EXACT LOCATION FOR OWNER-PROVIDED CEILING MOUNTED LCD PROJECTORS IN ALL ROOMS.

1 COMPOSITE REFLECTED CEILING PLAN

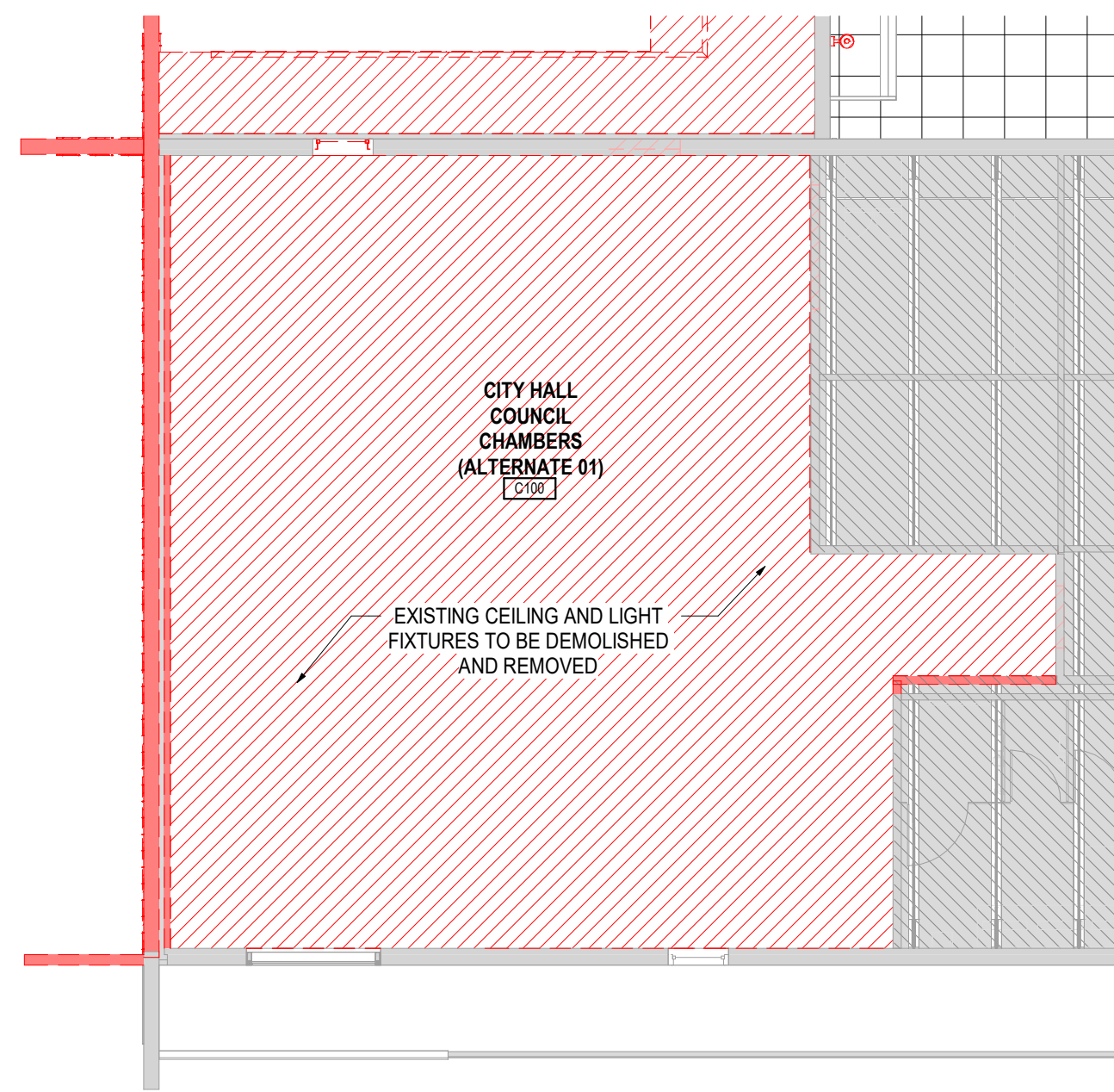
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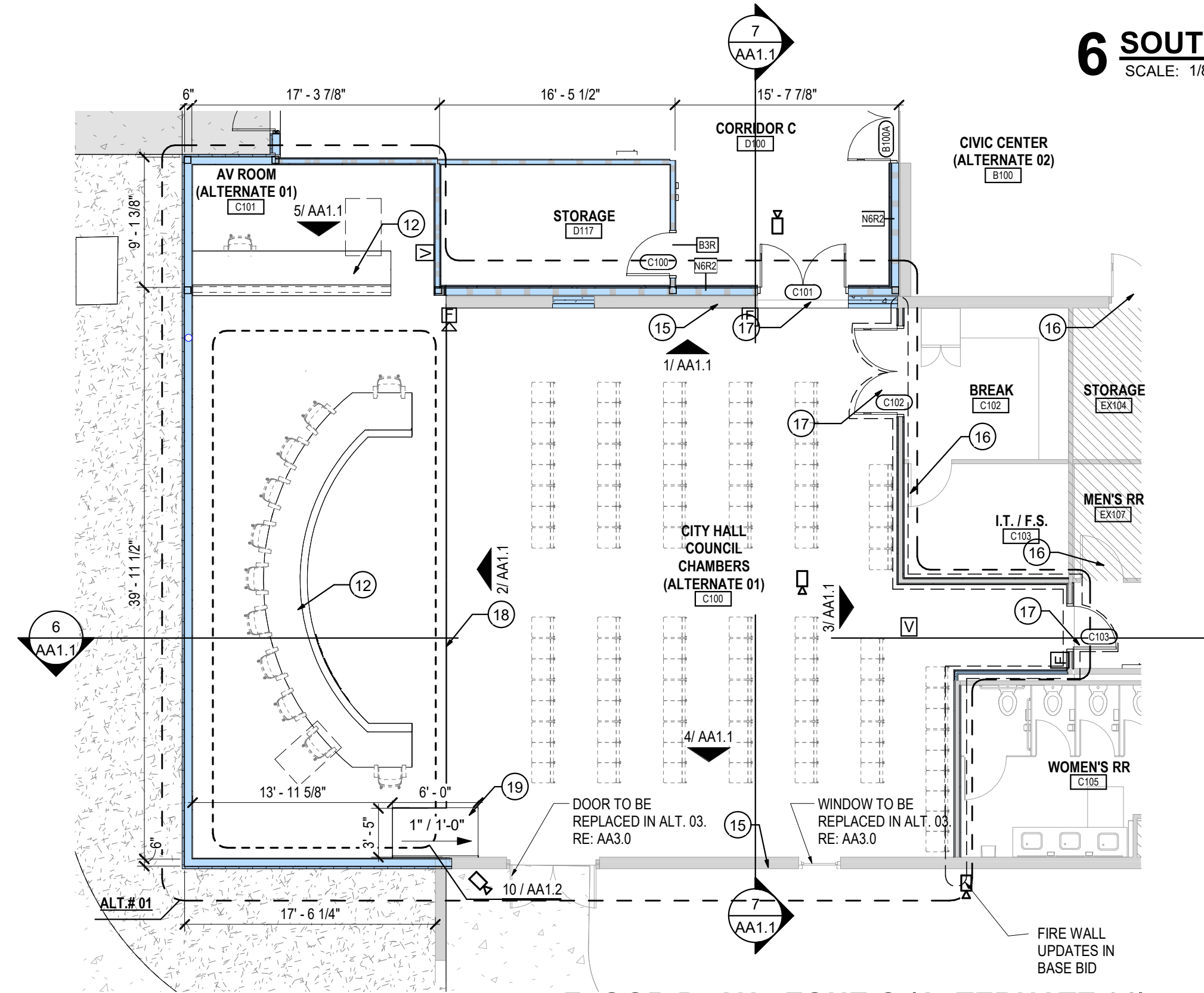
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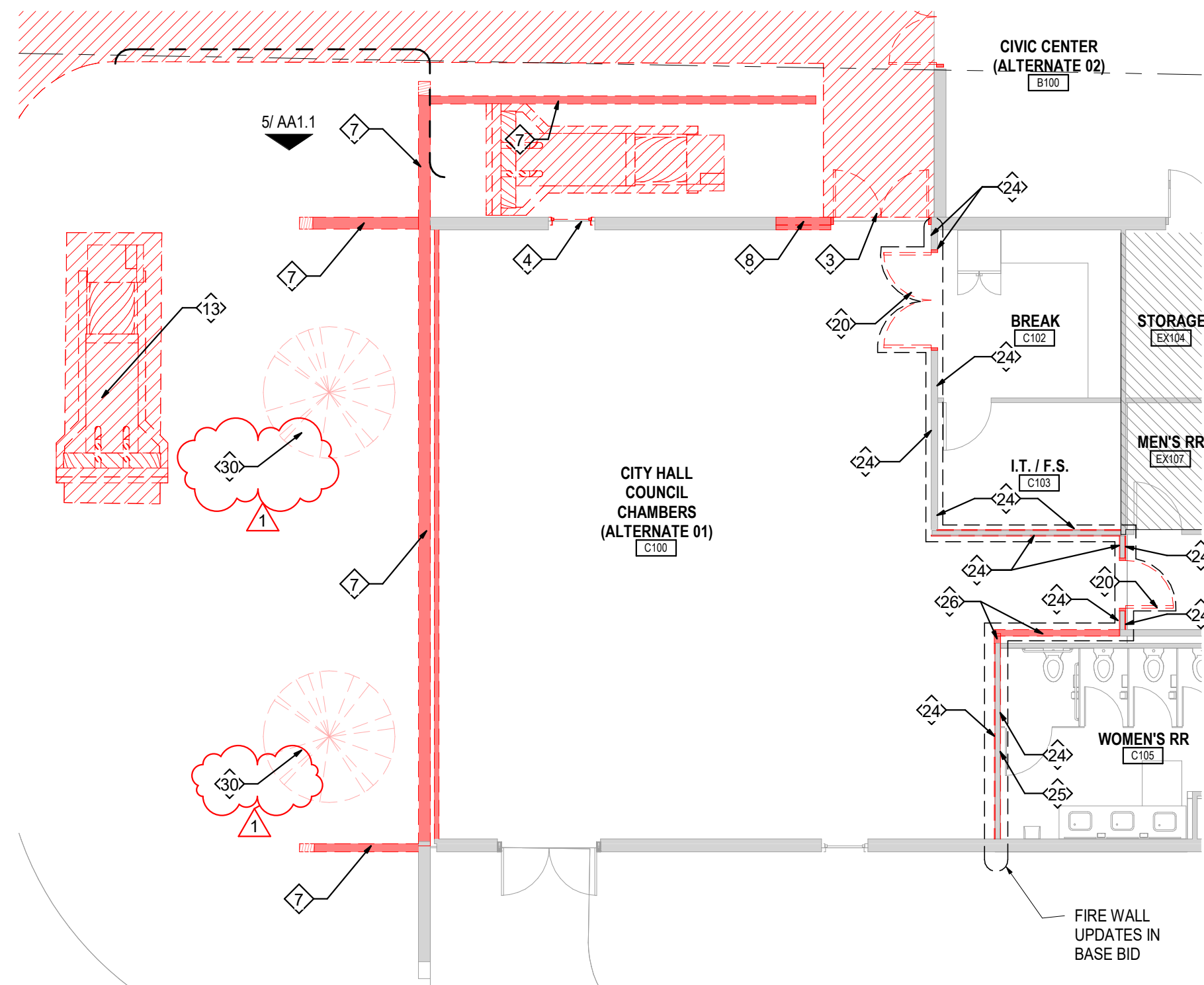
4 REFLECTED CEILING PLAN - ZONE C (ALTERNATE 01)
SCALE: 1/8" = 1'-0"



3 DEMOLITION RCP - ZONE C (ALTERNATE 01)
SCALE: 1/8" = 1'-0"



2 FLOOR PLAN - ZONE C (ALTERNATE 01)
SCALE: 1/8" = 1'-0"



1 DEMOLITION FLOOR PLAN - ZONE C (ALTERNATE 01)
SCALE: 1/8" = 1'-0"

COLOR FILL LEGEND

- EXISTING TO REMAIN
- DEMOLISH EXISTING PAVEMENT / FLATWORK / FLOOR / CEILINGS
- DEMOLISH EXISTING WALL

FLOOR PLAN KEYED NOTES

KEY	NOTE
1	SINK RE: PLUMBING
2	EXISTING RELOCATED REFRIGERATOR BY GC. RE: PLUMBING & ELECTRICAL
3	LOOKERS (CFOI) SPECIFICATION SECTION 10 51 26
4	PROVIDE 3/4" FIRE RETARDANT PLYWOOD, PAINTED, OVER TAPED AND FLOATED GYP BD ON ONE WALL. COORDINATED LOCATION WITH OWNER / ARCHITECT PRIOR TO INSTALLATION.
5	AV EQUIPMENT (OFOI), CONDUITS & PATHWAYS BY GC. RE: ELECTRICAL
6	MOTORIZED OPERABLE PARTITION RE: SPECIFICATION SECTION 10 22 39
7	DRINKING FOUNTAINS. RE: PLUMBING
8	NEW LOCATION FOR EXISTING ICE MACHINE
9	NEW FIRE EXTINGUISHER CABINET SPECIFICATION SECTION 10 44 00
10	FF&E. OFOI
11	HANDWASHING STATION. RE: PLUMBING
12	MILLWORK. CFOI SPECIFICATION SECTION 06 41 16
13	NEW LOCATION FOR EXISTING REFRIGERATOR
14	PASS-THRU TRANSACTION WINDOW WIDEAL TRAY AND SPEAK HOLE
15	EXISTING WALL TO REMAIN
16	EXISTING DOOR AND FRAME TO REMAIN. PAINT
17	NEW FIRE RATED DOOR
18	NEW RAISED PLATFORM. CFOI
19	NEW RAMP. CFOI
20	COMMERCIAL WARNING O.F.O.I. CONNECTIONS BY G.C. RE: ELECTRICAL
21	RWS01: MANUAL ROLLER WINDOW SHADES, RE: SPECIFICATION SECTION 12 24 13 AND ROOM FINISH LEGEND
22	RWS02: MANUAL BLACK OUT ROLLER WINDOW SHADES, RE: SPECIFICATION SECTION 12 24 13 AND ROOM FINISH LEGEND
23	MOP SINK. RE: PLUMBING
24	NEW REACH-IN REFRIGERATOR, O.F.O.I. CONNECTIONS BY G.C.
25	NEW REACH-IN FREEZER, O.F.O.I. CONNECTIONS BY G.C.
26	NEW STOREFRONT DOOR & TRANSOM TO REPLACE EXISTING. MATCH EXISTING DIMENSIONS. (ALT)
27	NEW ROLLING TRAY RACKS. O.F.O.I.
28	2 NEW LAYERS OF 5/8" FIRE RATED GYPSUM BOARD ON EXISTING STUD. REFER TO UL DESIGN NO. V450. REFER TO FINISH SCHEDULE FOR SELECTED FINISH.
29	REFER TO UL DESIGN NO. U428 FOR NEW FIRE WALL TYPE. PROTECT ALL EXISTING PLUMBING

WALL LEGEND

- EXISTING WALL CONSTRUCTION
- 1 HR. RATED METAL STUD WALL CONSTRUCTION
- 2 HR. RATED METAL STUD WALL CONSTRUCTION
- NEW METAL STUD CONSTRUCTION
- EXISTING PORTION OF BUILDING NOT IN CONTRACT (N.I.C.)

DEMOLITION FLOOR PLAN KEY NOTES

KEY	NOTE
1	EXISTING DOOR TO REMAIN, PRESERVE AND PROTECT FOR THE DURATION OF CONSTRUCTION.
2	COMPLETELY REMOVE DOOR, FRAME AND TRANSOM WINDOW. PREPARE FOR NEW DOOR. INFILL TRANSOM WITH NEW WALL. SEE DETAIL 13/A4.1
3	COMPLETELY DEMOLISH AND REMOVE EXISTING DOOR, FRAME, AND HARDWARE. INFILL WITH NEW WALL
4	COMPLETELY DEMOLISH AND REMOVE EXISTING WINDOW AND FRAME. INFILL WITH NEW WALL
5	EXISTING TRANSFORMER TO BE RELOCATED. RE: SITE PLAN
6	COMPLETELY DEMOLISH AND REMOVE EXISTING WINDOW AND FRAME. PREP FOR NEW DOOR.
7	COMPLETELY DEMOLISH EXISTING WALL.
8	DEMOLISH PORTION OF EXISTING WALL. PREP FOR NEW DOOR OR CASED OPENING.
9	COMPLETELY DEMOLISH AND REMOVE EXISTING FINISH FLOOR & FLOOR BASE. PREP FOR NEW FLOOR PER FINISH SCHEDULE.
10	DEMOLISH AND REMOVE EXISTING FLATWORK
11	DEMOLISH AND REMOVE EXISTING TREE OR SHRUBS.
12	EXISTING TREE OR SHRUB TO REMAIN. PRESERVE AND PROTECT DURING DURATION OF CONSTRUCTION.
13	EXISTING FUEL STATION TO BE RELOCATED BY OWNER UNDER SEPERATE CONTRACT.
14	EXISTING SHED TO BE DEMOLISHED BY OWNER UNDER SEPERATE CONTRACT.
15	COMPLETELY DEMOLISH EXISTING DOOR, FRAME, AND HARDWARE. INFILL WITH NEW WALL.
16	RELOCATE EXISTING ICE MACHINE TO NEW CATER PREP ROOM
17	COMPLETELY DEMOLISH AND REMOVE EXISTING PORTABLE STAGE. PREP FOR NEW STAGE.
19	EXISTING REFRIGERATOR TO BE RELOCATED TO NEW BREAK ROOM
20	COMPLETELY REMOVE DOOR AND FRAME. PREPARE FOR NEW DOOR.
21	COMPLETELY REMOVE STOREFRONT DOOR, FRAME AND TRANSOM WINDOW. PREPARE FOR NEW STOREFRONT DOOR & TRANSOM
22	DISPLAY KIOSKS: OWNER TO REMOVE PORTIONS OF THE DISPLAY UNITS. GC RESPONSIBLE FOR REMOVAL OF REMAINING ITEMS AND ELECTRICAL DISCONNECTS
23	COMPLETELY DEMOLISH AND REMOVE EXISTING CASEWORK
24	DEMOLISH EXISTING GYPSUM BOARD. PREP FOR NEW FIRE RATED GYPSUM BOARD. RE: UL DESIGN NO. V450
25	DEMOLISH & REMOVE EXISTING CERAMIC TILE. PREP FOR NEW FIRE RATED GYPSUM BOARD & NEW CERAMIC TILE. RE: UL DESIGN NO. V450
26	DEMOLISH EXISTING CHASE WALL. PREP FOR NEW FIRE RATED WALL. PROTECT EXISTING PLUMBING. RE: UL DESIGN NO. U428
30	TREES TO BE SALVAGED BY OWNER
31	GC TO DISCONNECT EXISTING GENERATOR AND COORDINATE WITH CITY. EXISTING GENERATOR TO BE REMOVED BY OWNER

EXTERIOR FINISH LEGEND

- EXISTING CONSTRUCTION
- NEW IMPACT RESISTANT EIFS SYSTEM WITH TEXTURE FINISH TO MATCH EXISTING BUILDING EXTERIOR WALL FINISH, TYPICAL



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PORT ARANSAS, TX 78373

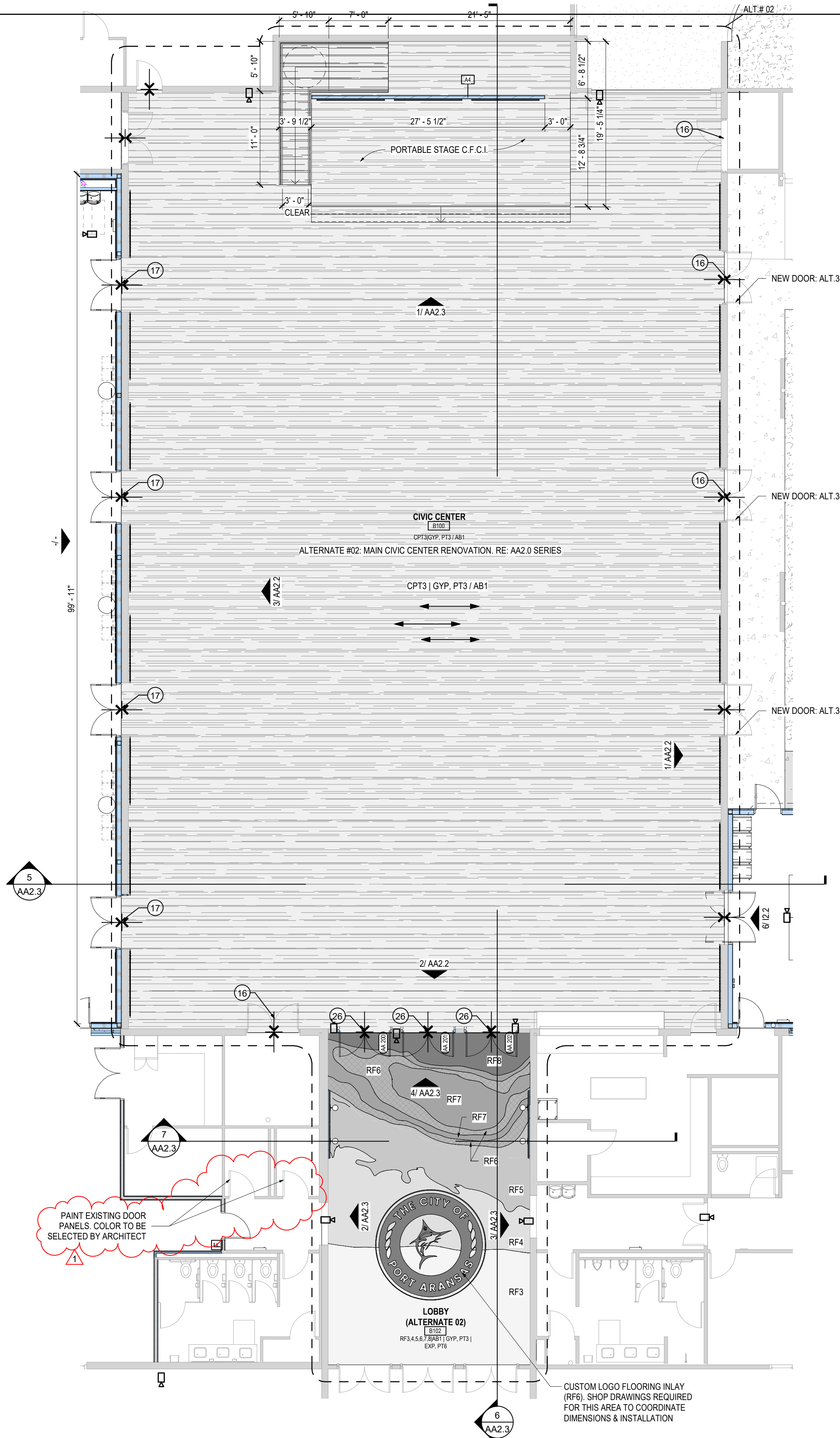
KEY PLAN
TURNER | RAMIREZ ARCHITECTS
3751 S. ALAMEDA ST.
CORPUS CHRISTI, TX 78411
p (361)994-8900
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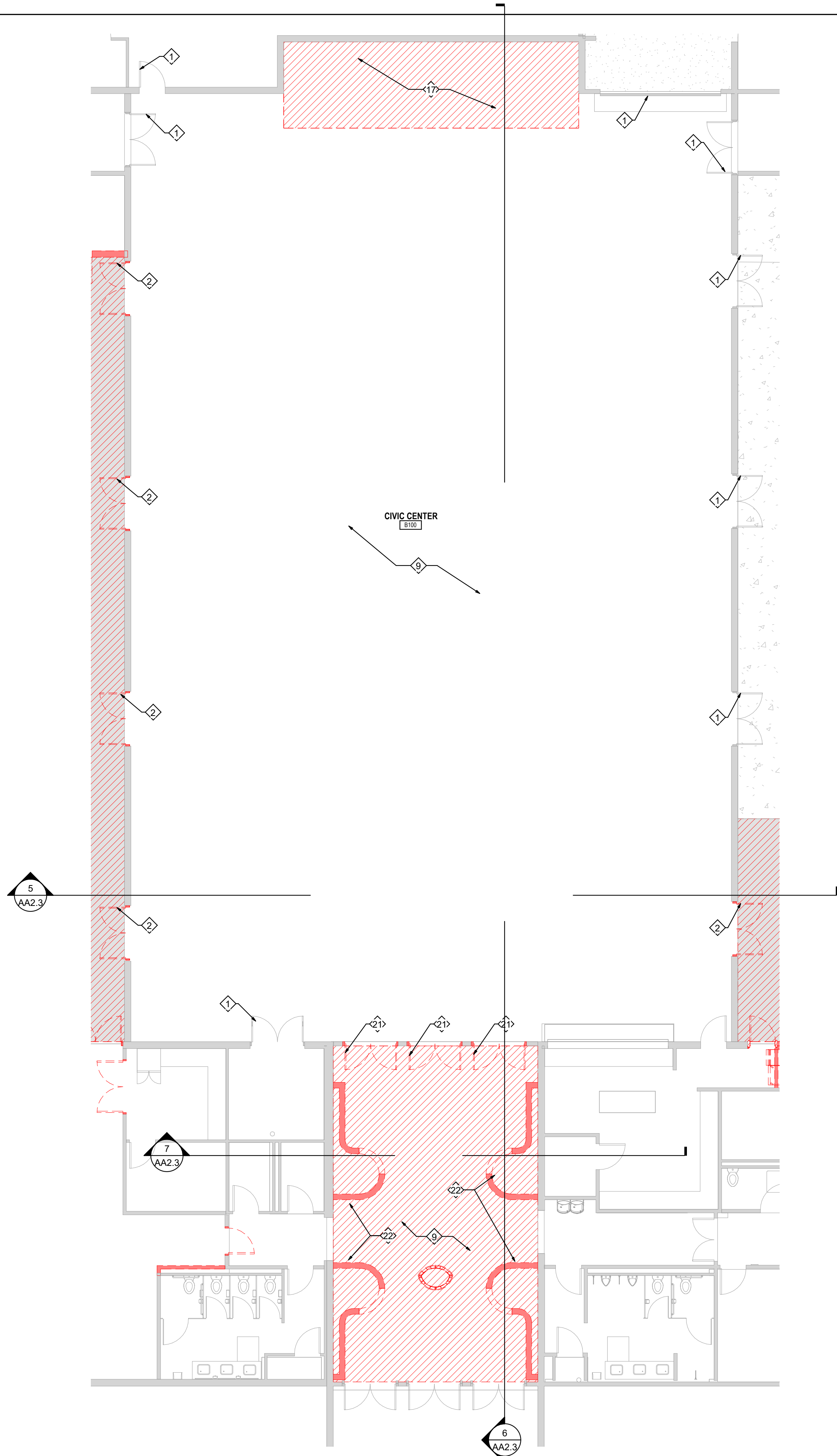
DATE: 02/21/2025		
SEAL		
1	ADDENDUM (0)	02/11/2025

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3/11/2025 2:11:21 PM



1 FLOOR / FINISH PLAN - AREA 'B' (ALTERNATE 02)
SCALE: 1/8" = 1'-0"



2 DEMO PLAN - AREA 'B' (ALTERNATE 02)
SCALE: 1/8" = 1'-0"

DEMOLITION FLOOR PLAN KEY NOTES

KEY	NOTE
1	EXISTING DOOR TO REMAIN, PRESERVE AND PROTECT FOR THE DURATION OF CONSTRUCTION.
2	COMPLETELY REMOVE DOOR, FRAME AND TRANSOM WINDOW. PREPARE FOR NEW DOOR. INFILL TRANSOM WITH NEW WALL. SEE DETAIL 13/A4.1
3	COMPLETELY DEMOLISH AND REMOVE EXISTING DOOR, FRAME, AND HARDWARE.
4	COMPLETELY DEMOLISH AND REMOVE EXISTING WINDOW AND FRAME. INFILL WITH NEW WALL.
5	EXISTING TRANSFORMER TO BE RELOCATED. RE: SITE PLAN
6	COMPLETELY DEMOLISH AND REMOVE EXISTING WINDOW AND FRAME. PREP FOR NEW DOOR.
7	COMPLETELY DEMOLISH EXISTING WALL.
8	DEMOLISH PORTION OF EXISTING WALL. PREP FOR NEW DOOR OR CASED OPENING.
9	COMPLETELY DEMOLISH AND REMOVE EXISTING FINISH FLOOR & FLOOR BASE. PREP FOR NEW FLOOR PER FINISH SCHEDULE.
10	DEMOLISH AND REMOVE EXISTING FLATWORK.
11	DEMOLISH AND REMOVE EXISTING TREE OR SHRUBS.
12	EXISTING TREE OR SHRUB TO REMAIN. PRESERVE AND PROTECT DURING DURATION OF CONSTRUCTION.
13	EXISTING FUEL STATION TO BE RELOCATED BY OWNER UNDER SEPERATE CONTRACT.
14	EXISTING SHED TO BE DEMOLISHED BY OWNER UNDER SEPERATE CONTRACT.
15	COMPLETELY DEMOLISH EXISTING DOOR, FRAME, AND HARDWARE. INFILL WITH NEW WALL.
16	RELOCATE EXISTING ICE MACHINE TO NEW CATER PREP ROOM
17	COMPLETELY DEMOLISH AND REMOVE EXISTING PORTABLE STAGE. PREP FOR NEW STAGE.
19	EXISTING REFRIGERATOR TO BE RELOCATED TO NEW BREAK ROOM
20	COMPLETELY REMOVE DOOR AND FRAME. PREPARE FOR NEW DOOR.
21	COMPLETELY REMOVE STOREFRONT DOOR, FRAME AND TRANSOM WINDOW. PREPARE FOR NEW STOREFRONT DOOR & TRANSOM
22	DISPLAY KIOSKS. OWNER TO REMOVE PORTIONS OF THE DISPLAY UNITS. GC RESPONSIBLE FOR REMOVAL OF REMAINING ITEMS AND ELECTRICAL DISCONNECTS
23	COMPLETELY DEMOLISH AND REMOVE EXISTING CASEWORK
24	DEMOLISH EXISTING GYPSUM BOARD. PREP FOR NEW FIRE RATED GYPSUM BOARD. RE: UL DESIGN NO. V450
25	DEMOLISH & REMOVE EXISTING CERMIC TILE. PREP FOR NEW FIRE RATED GYPSUM BOARD & NEW CERAMIC TILE. RE: UL DESIGN NO. V450
26	DEMOLISH EXISTING CHASE WALL. PREP FOR NEW FIRE RATED WALL. PROTECT EXISTING PLUMBING. RE: UL DESIGN NO. U428
30	TRESS TO BE SALVAGED BY OWNER
31	GC TO DISCONNECT EXISTING GENERATOR AND COORDINATE WITH CITY. EXISTING GENERATOR TO BE REMOVED BY OWNER.

FLOOR PLAN KEYED NOTES

KEY	NOTE
1	SINK RE: PLUMBING
2	EXISTING RELOCATED REFRIGERATOR BY GC. RE: PLUMBING & ELECTRICAL
3	LOOKERS (CFCI) SPECIFICATION SECTION 10 51 26
4	PROVIDE 3/4" FIRE RETARDANT PLYWOOD, PAINTED, OVER TAPED AND FLOATED GYP BD ON ONE WALL. COORDINATED LOCATION WITH OWNER / ARCHITECT PRIOR TO INSTALLATION.
5	A/V EQUIPMENT (OFOI), CONDUITS & PATHWAYS BY GC. RE: ELECTRICAL
6	MOTORIZED OPERABLE PARTITION RE: SPECIFICATION SECTION 10 22 39
7	DRINKING FOUNTAINS. RE: PLUMBING
8	NEW LOCATION FOR EXISTING ICE MACHINE
9	NEW FIRE EXTINGUISHER CABINET SPECIFICATION SECTION 10 44 00
10	FF&E: OFOI
11	HANDWASHING STATION. RE: PLUMBING
12	MILLWORK. CFCI SPECIFICATION SECTION 06 41 16
13	NEW LOCATION FOR EXISTING REFRIGERATOR
14	PASS-THRU TRANSACTION WINDOW WIDEAL TRAY AND SPEAK HOLE
15	EXISTING WALL TO REMAIN
16	EXISTING DOOR AND FRAME TO REMAIN. PAINT
17	NEW FIRE RATED DOOR
18	NEW RAISED PLATFORM. CFCI
19	NEW RAMP. CFCI
20	COMMERCIAL WARMING O.F.O.I. CONNECTIONS BY G.C. RE: ELECTRICAL
21	RWS01: MANUAL ROLLER WINDOW SHADES, RE: SPECIFICATION SECTION 12 24 13 AND ROOM FINISH LEGEND
22	RWS02: MANUAL BLACK OUT ROLLER WINDOW SHADES, RE: SPECIFICATION SECTION 12 24 13 AND ROOM FINISH LEGEND
23	MOP SINK. RE: PLUMBING
24	NEW REACH-IN REFRIGERATOR, O.F.O.I. CONNECTIONS BY G.C.
25	NEW REACH-IN FREEZER, O.F.O.I. CONNECTIONS BY G.C.
26	NEW STOREFRONT DOOR & TRANSOM TO REPLACE EXISTING. MATCH EXISTING DIMENSIONS. (ALT)
27	NEW ROLLING TRAY RACKS, O.F.O.I.
28	2 NEW LAYERS OF 5/8" FIRE RATED GYPSUM BOARD ON EXISTING STUD. REFER TO UL DESIGN NO. V450. REFER TO FINISH SCHEDULE FOR SELECTED FINISH.
29	REFER TO UL DESIGN NO. U428 FOR NEW FIRE WALL TYPE. PROTECT ALL EXISTING PLUMBING

FLOOR FINISH LEGEND

THIS LEGEND IS NOT EXCLUSIVE, AND ALL ITEMS ON LEGEND MAY NOT BE SHOWN IN DRAWINGS

MARMOLEUM RF3 FORBO MARMOLEUM, REAL COLOR: 3257 EDELWEISS	MARMOLEUM RF7 FORBO MARMOLEUM, REAL COLOR: 3030 BLUE
MARMOLEUM RF4 FORBO MARMOLEUM, FRESCO COLOR: 3267 AQUA	MARMOLEUM RF8 FORBO MARMOLEUM, FRESCO COLOR: 3261 MARINE
MARMOLEUM RF5 FORBO MARMOLEUM, FRESCO COLOR: 3269 TURQUOISE	CARPET TILE CPT3 BASIS OF DESIGN: FORBO FLOTIX
MARMOLEUM RF6 FORBO MARMOLEUM, FRESCO COLOR: 3264 GREEK BLUE	FLOOR TRANSITIONS REFER TO FINISH SCHEDULE
INSTALLATION DIRECTIONAL ARROWS REFER TO FINISH SCHEDULE	

NOTE: ALL FURNITURE IS OWNER FURNISHED OWNER INSTALLED.

TURNER | RAMIREZ ARCHITECTS

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CITY HALL EXPANSION
710 WEST AVENUE A,
PORT ARANSAS, TX 78373

KEY PLAN

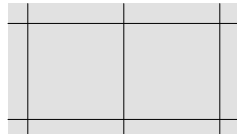
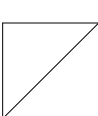
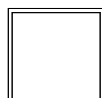
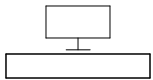
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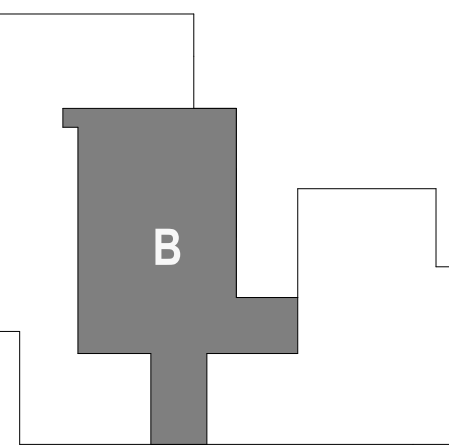
DATE: 02/21/2025

REV.	DESCRIPTION	DATE
1	ADDITIONAL	03/11/2025

PROJECT ISSUE DATE: 02/21/2025
PHASE: #B (ISSUE FOR BID)
DRAWN BY: MG
CHECKED BY: JS
PROJECT NUMBER: 2023-29
SHEET IDENTIFICATION
ALTERNATE 02 - DEMO /
FLOOR PLANS - AREA 'B'
AA2.0

[illegible]

REFLECTED CEILING PLAN LEGEND	
THIS LEGEND IS NOT EXCLUSIVE, AND ALL ITEMS ON LEGEND MAY NOT BE SHOWN IN DRAWINGS	
 SAT2 2' X 2' SUSPENDED CEILING SYSTEM WITH LAY-IN ACOUSTICAL PANELS	 SUPPLY AIR GRILLE
 2' X 4' LED FIXTURE (RECESSED)	 RETURN AIR GRILLE
 2' X 2' LED FIXTURE (RECESSED)	 WALL SCONCE
 LINEAR LIGHT FIXTURE	 RECESSED FIXTURE
	 CEILING-MOUNT PROJECTOR



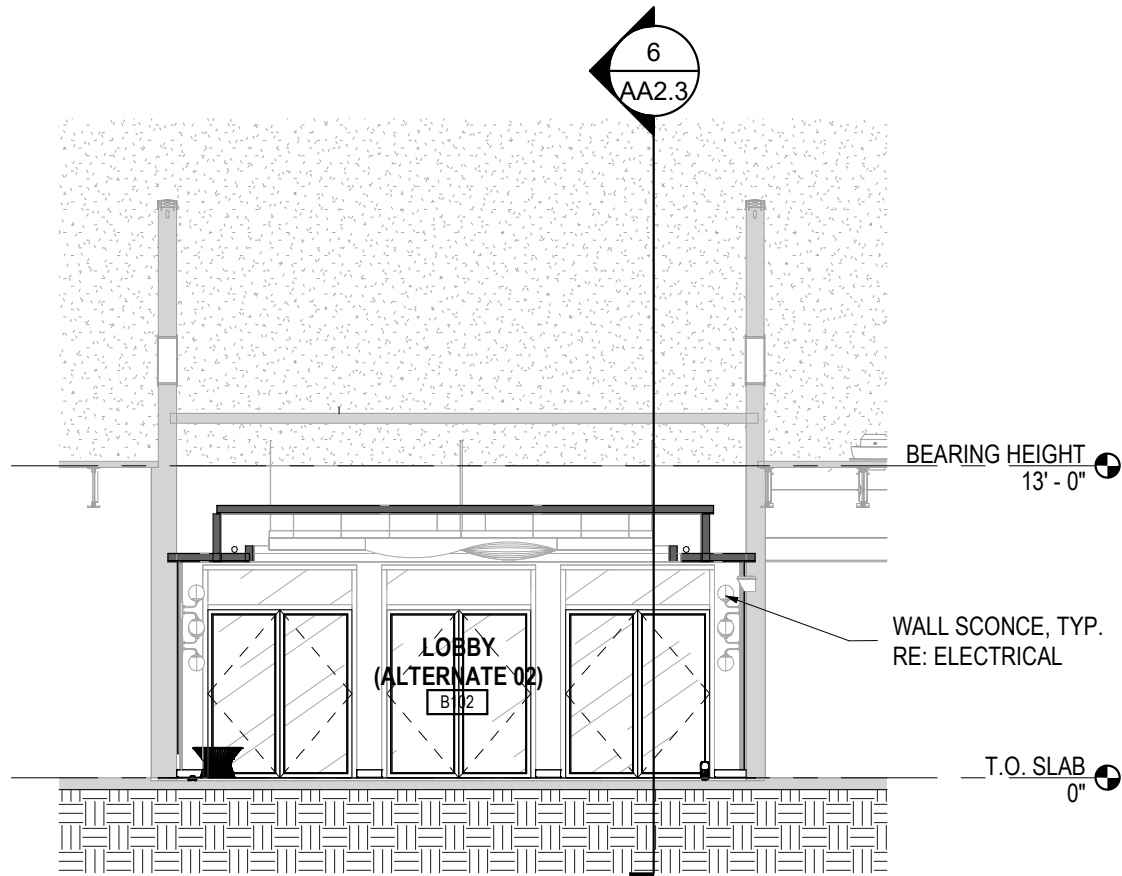
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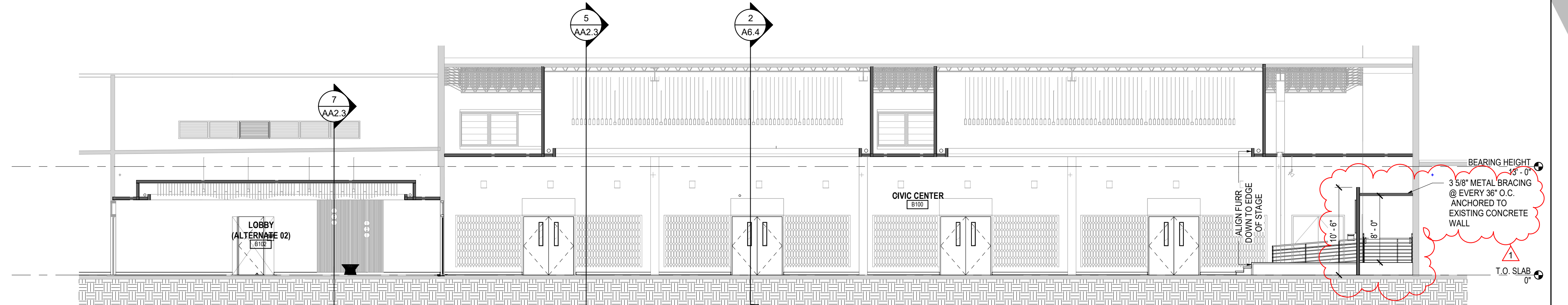
DATE: 02/21/2025		
REV.	DESCRIPTION	DATE
1	ADDITIONAL	02/21/2025
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ALTERNATE 02 - INTERIOR
ELEVATIONS & BUILDING
SECTIONS - AREA 'B'

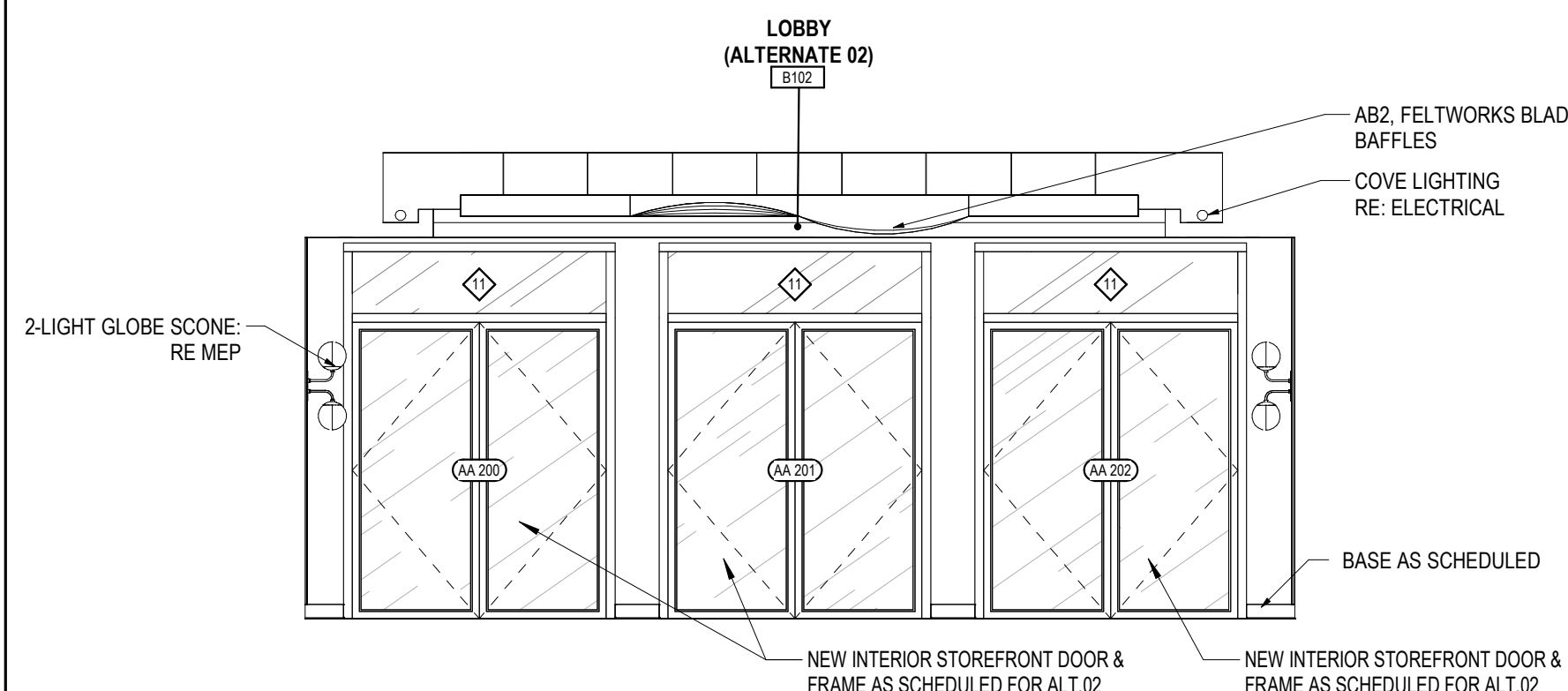
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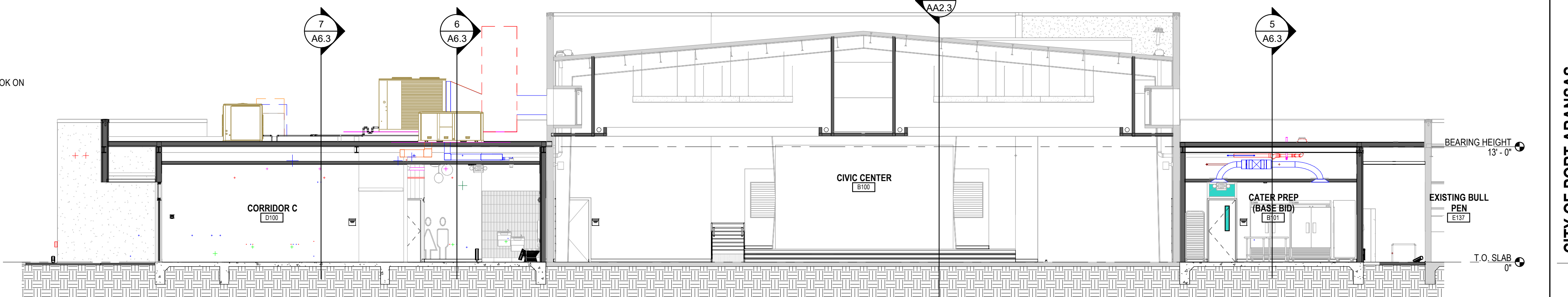
7 ALTERNATE 02 - BUILDING SECTION
SCALE: 1/8" = 1'-0"



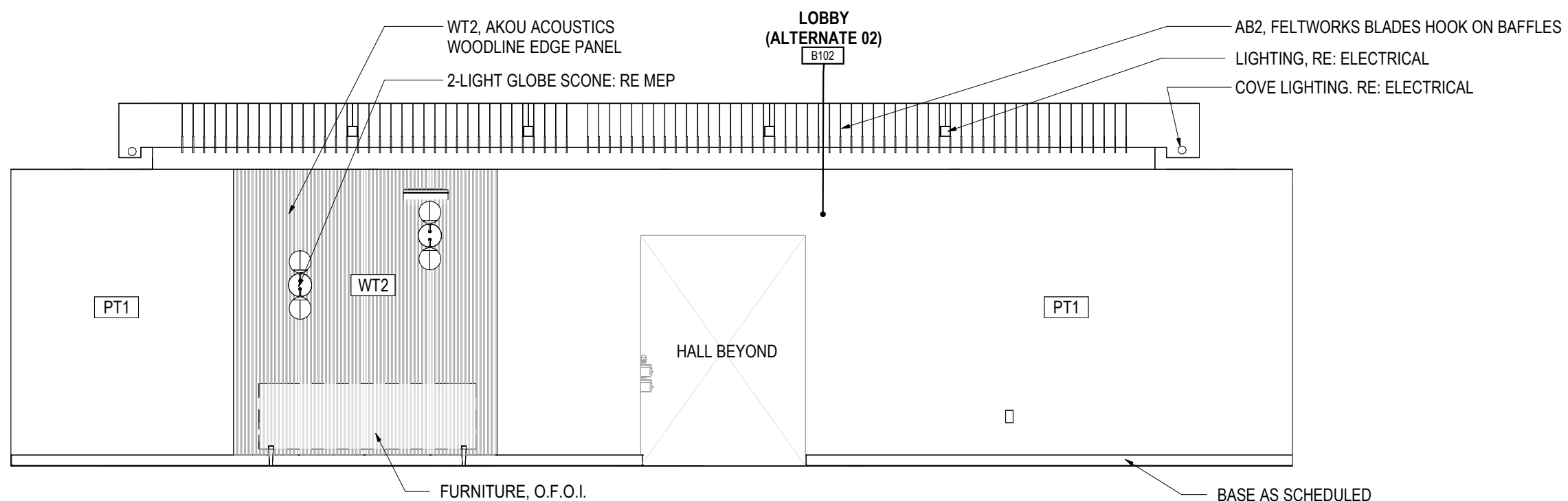
6 ALTERNATE 02 - BUILDING SECTION
SCALE: 1/8" = 1'-0"



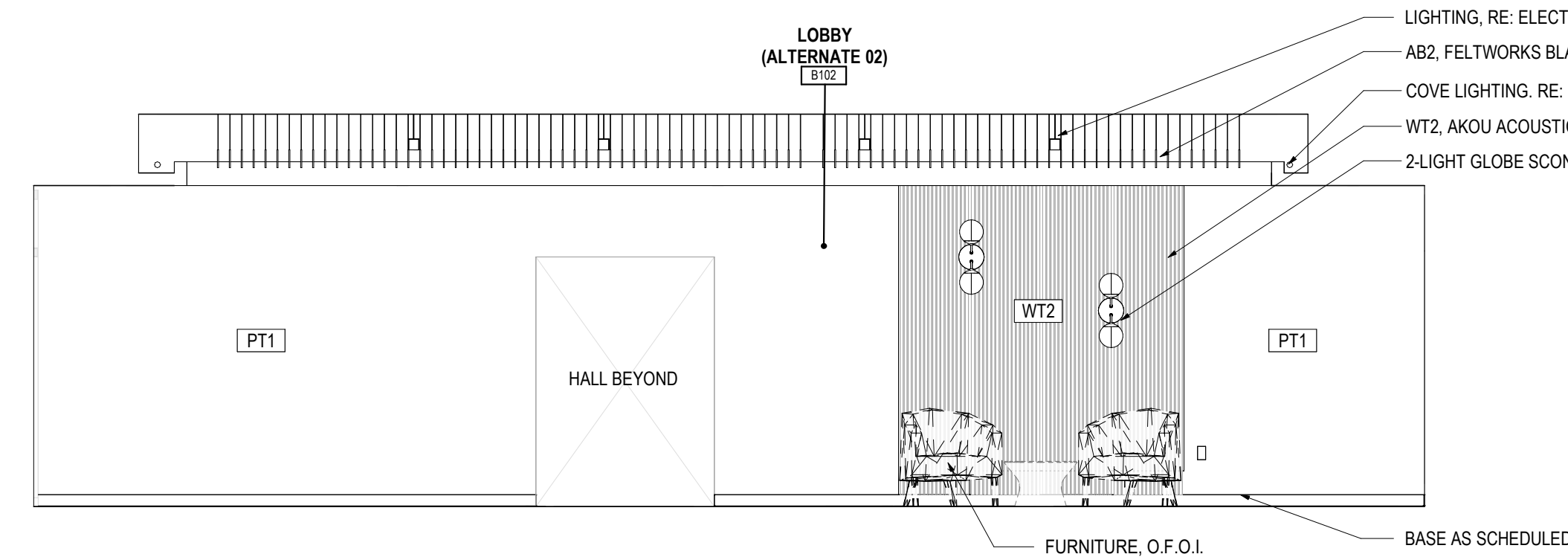
4 INT. ELEV. - ALTERNATE 02 - LOBBY B102 (N)
SCALE: 1/4" = 1'-0"



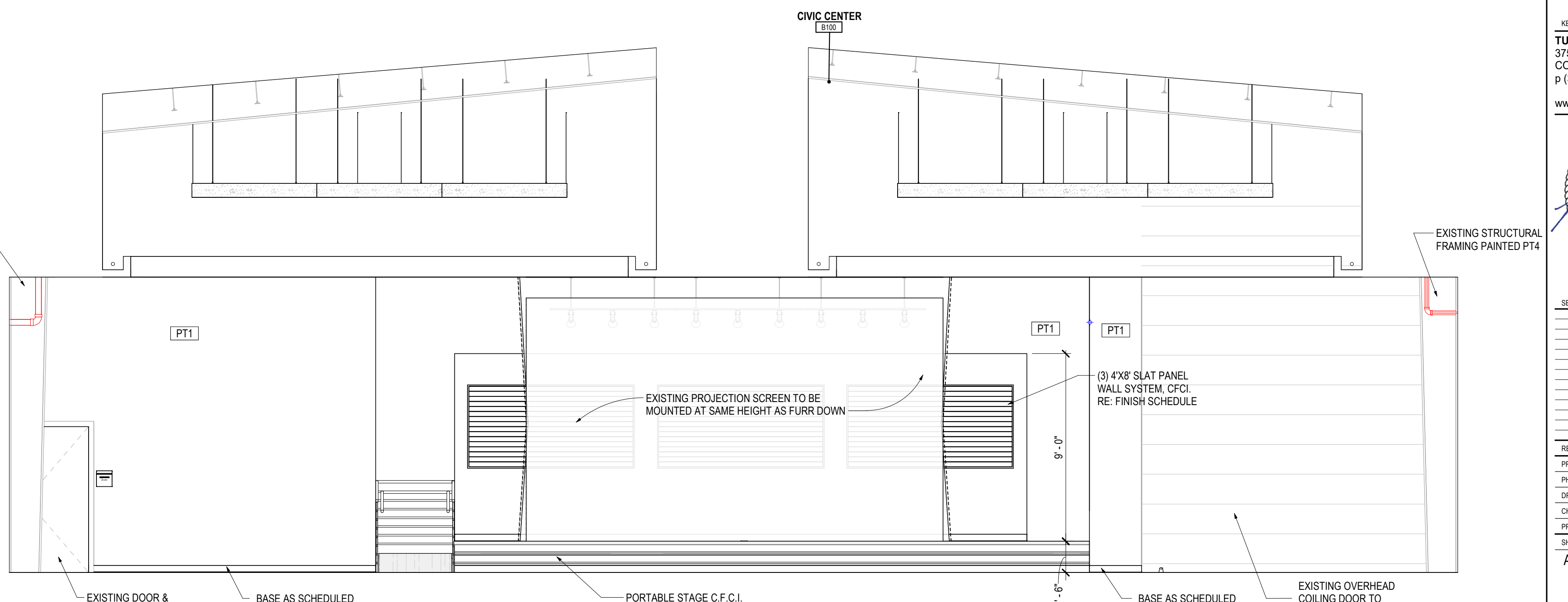
5 ALTERNATE 02 - BUILDING SECTION
SCALE: 1/8" = 1'-0"



3 INT. ELEV. - LOBBY B102 (ALTERNATE 02) (E)
SCALE: 1/4" = 1'-0"



2 INT. ELEV. - LOBBY B102 (ALTERNATE 02) (W)
SCALE: 1/4" = 1'-0"

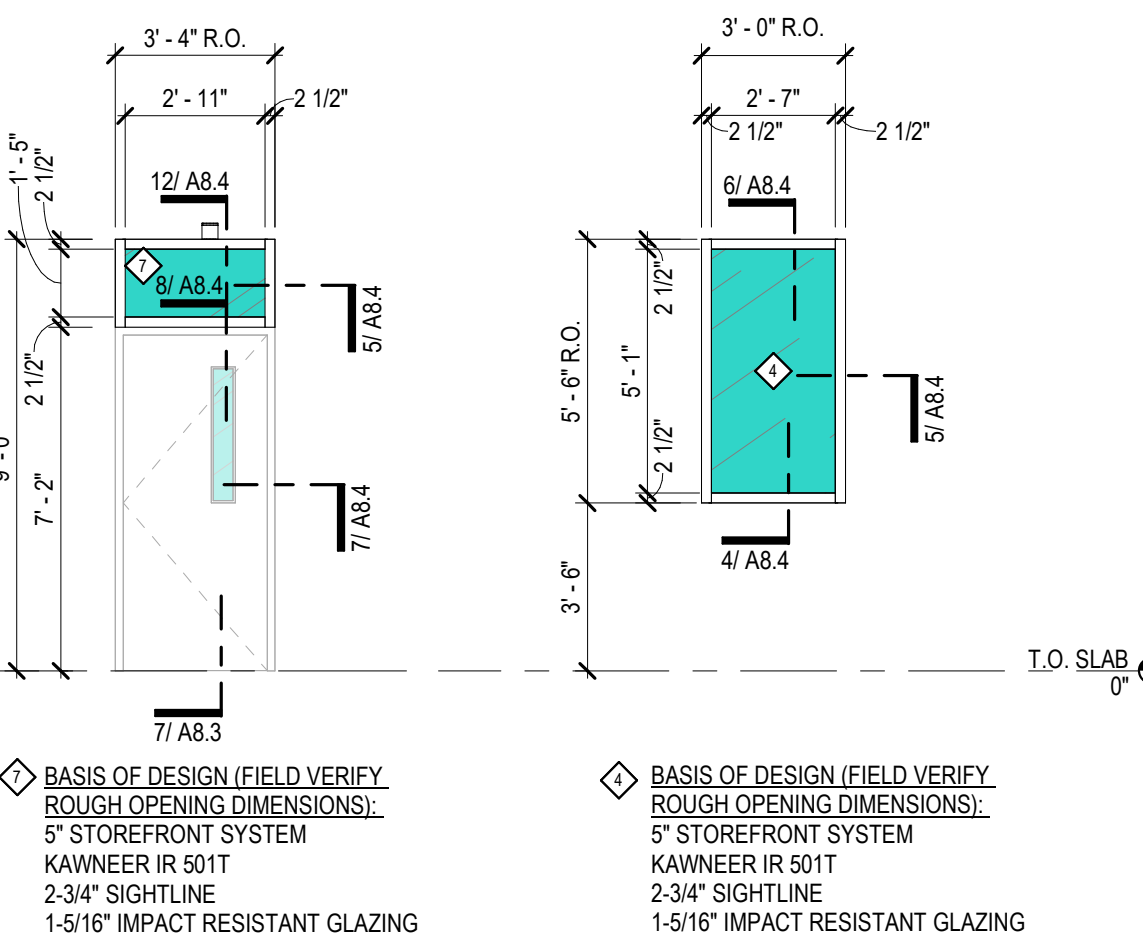
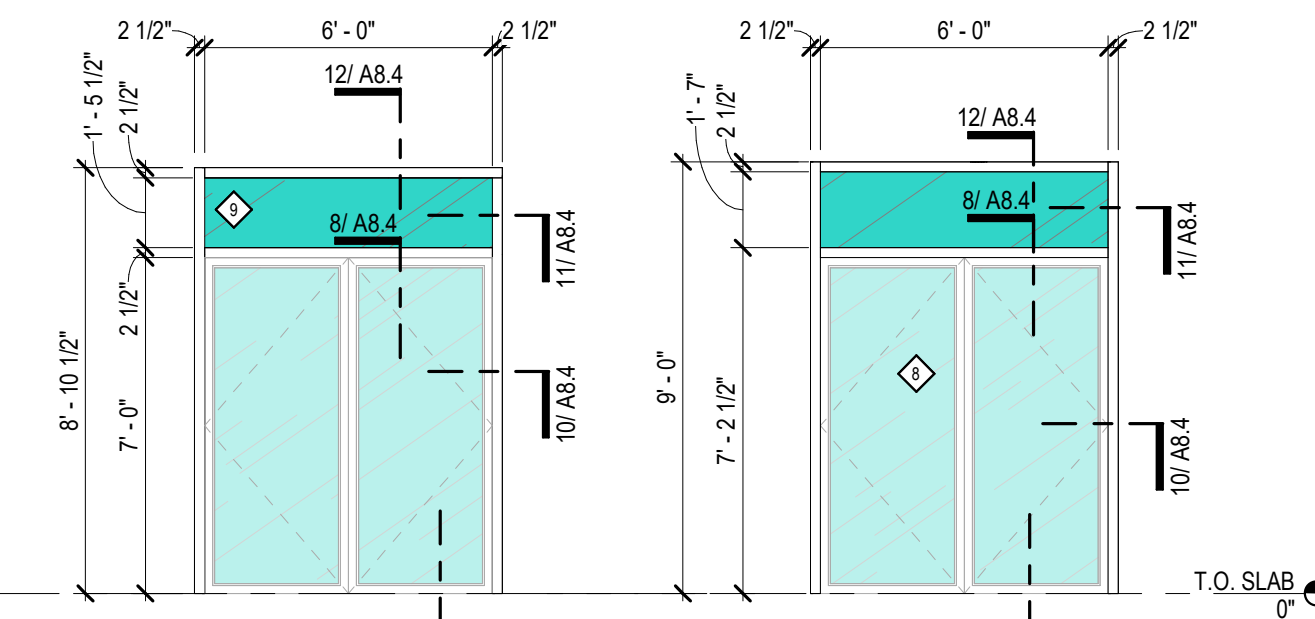


1 INT. ELEV. - CIVIC CENTER B100 (ALTERNATE 02) (N)
SCALE: 1/4" = 1'-0"

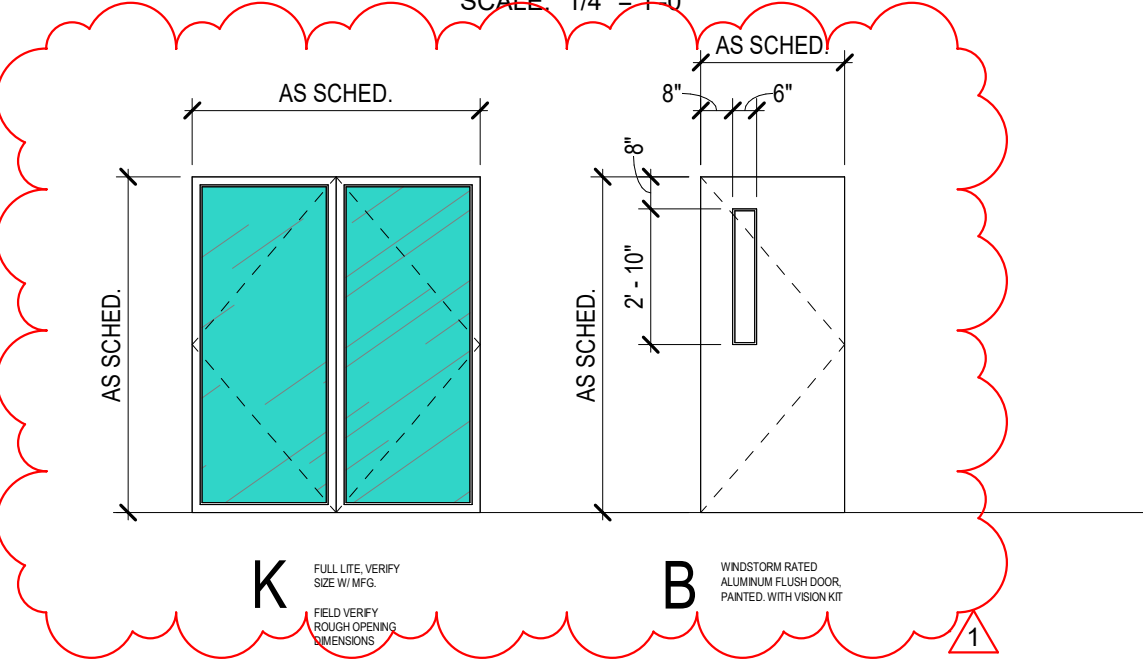
8' - 10 1/2" R.O.
 2 1/2" - 2' - 6 1/8" - 2 1/2"
 2 1/2"
 6" A8.4
 5'-5"
 2 1/2"
 2'-10"
 2 1/2"
 5' / 8.4
 T.O. SLAB
 0"

②

BASIS OF DESIGN (MATCH EXISTING EXTERIOR DOOR & TRANSOM):
 5" STOREFRONT SYSTEM
 KAWNEER IR 501T
 2-3/4" SIGHTLINE
 1-5/16" IMPACT RESISTANT GLAZING

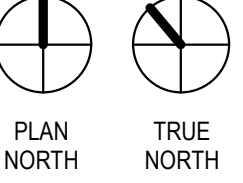


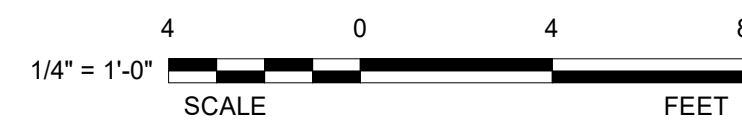
ALUMINUM FRAMES ALT. 03



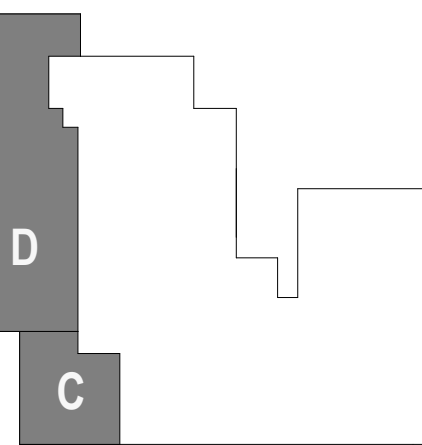
DOOR PANEL TYPES ALT. 03

NOTE: ALL NEW STOREFRONT DIMENSIONS TO MATCH EXISTING ROUGH FINISHING DIMENSIONS. CONTRACTOR TO VERIFY DIMENSIONS IN FIELD.

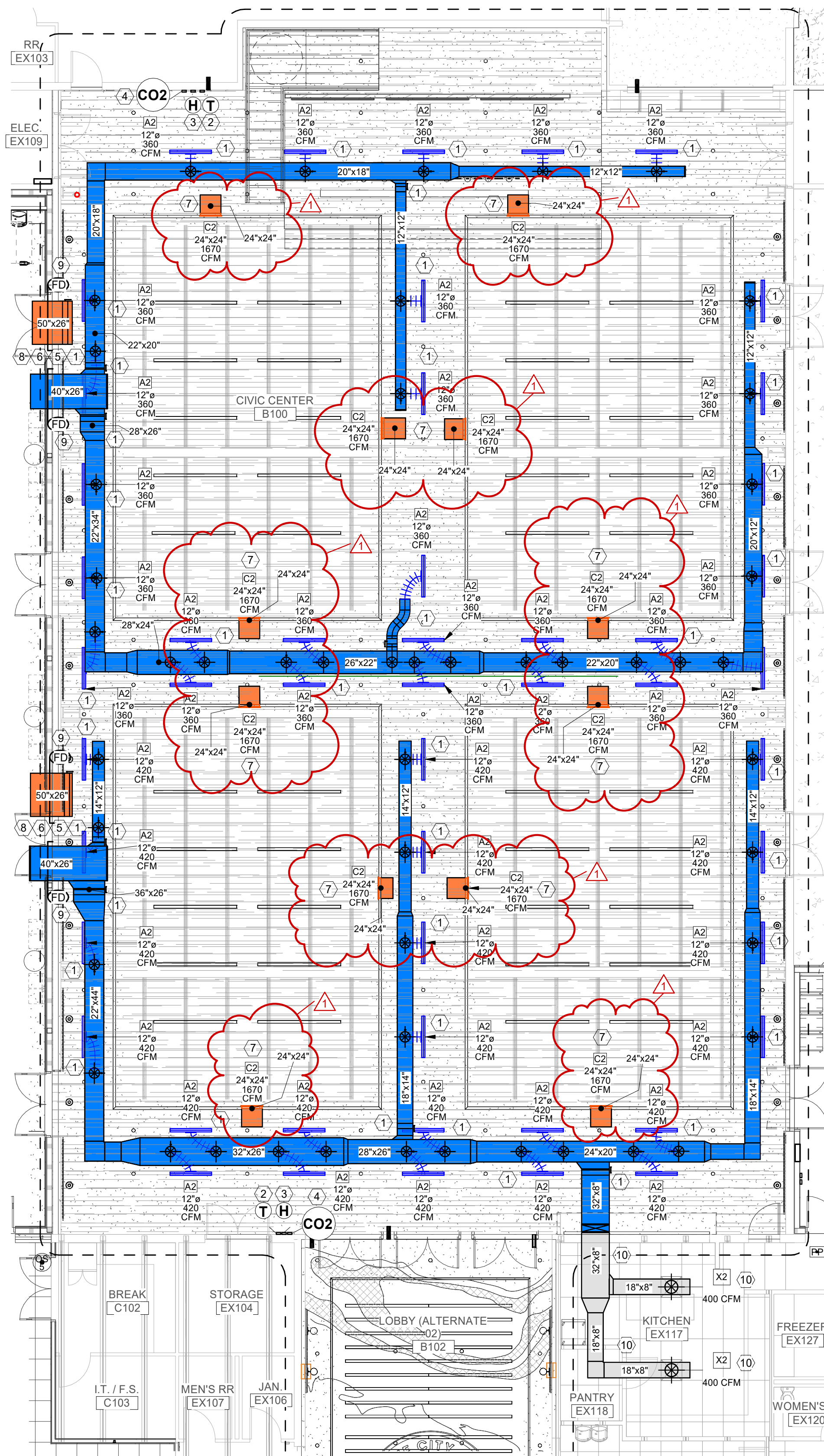




- ① REROUTE ALL SUPPLY DUCT TO NEW DIFFUSERS LOCATION. ASSURE ALL RUN OUTS HAVE OPERATIONAL MANUAL BALANCING DAMPERS. PROVIDE NEW MANUAL BALANCING DAMPERS IN NEW RUN OUTS AND IN EXISTING RUN OUTS WITHOUT DAMPERS. PROVIDE NO MORE THAN SIX FEET OF R-8 FLEXIBLE DUCT TO NEW DIFFUSERS.
- ② NEW RETURN TRANSFER GRILLS TO RETURN AIR FROM THE BREAKROOM TO THE CITY HALL COUNCIL CHAMBERS.
- ③ EXISTING THERMOSTAT TO REMAIN.
- ④ PROVIDE MANUAL BALANCING DAMPERS AT ALL RUN OUTS SHOWN OR NOT. FOR NON ACCESSIBLE LOCATIONS, PROVIDE REMOTE DAMPER OPERATOR SIMILAR TO YOUNG'S REGULATOR WITH CEILING ESCUTCHEON FOR BALANCING DIFFUSERS. (TYPICAL).
- ⑤ PROVIDE WALL MOUNTED THERMOSTAT. MOUNT THERMOSTAT 48" A.F.F.
- ⑥ PROVIDE WALL MOUNTED HUMIDISTAT. MOUNT HUMIDISTAT 48" A.F.F.
- ⑦ ROUTE 141/12 SUPPLY AIR AND 181/12 RETURN AIR DUCT UP TO RTU-8 ON ROOF. PROVIDE NECESSARY TRANSITIONS.
- ⑧ PROVIDE BLANK SLOT DIFFUSER. SLOT DIFFUSER SHALL NOT SUPPLY AIR.
- ⑨ PROVIDE FIRE DAMPER. INSTALL FIRE DAMPER PER MANUFACTURER'S INSTRUCTIONS. (TYPICAL).



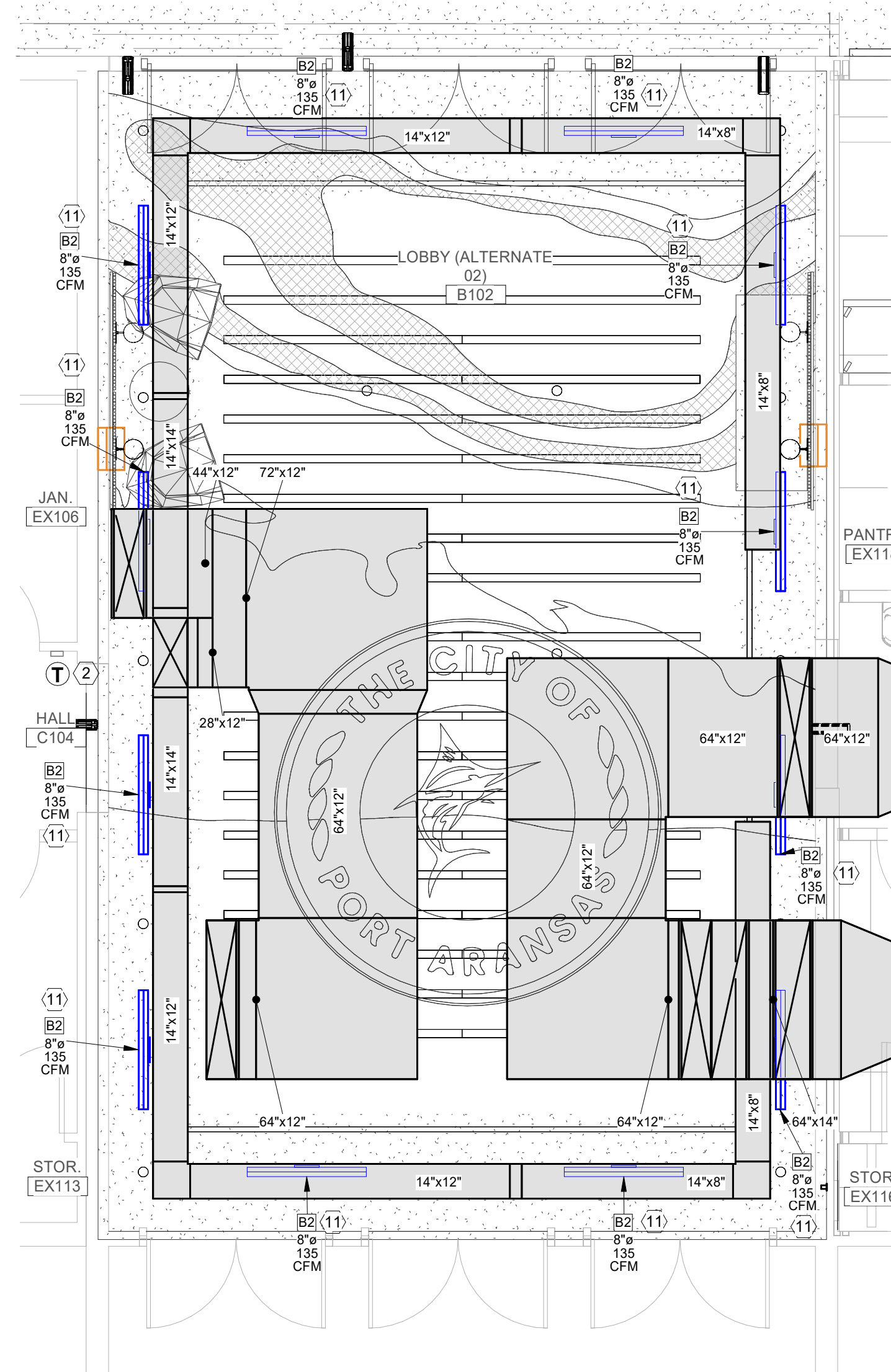
M1.3



MECHANICAL FLOOR PLAN - CIVIC CENTER - ALTERNATE 2
1/8" = 1'-0"



1/8" = 1'-0"
SCALE
FEET



MECHANICAL FLOOR PLAN - LOBBY - ALTERNATE 2
1/4" = 1'-0"



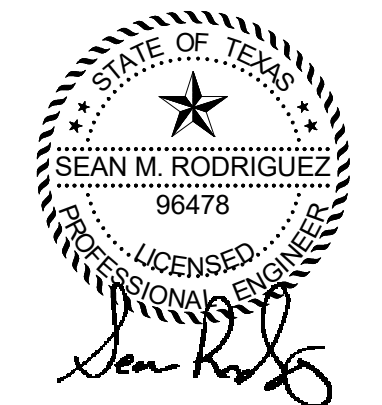
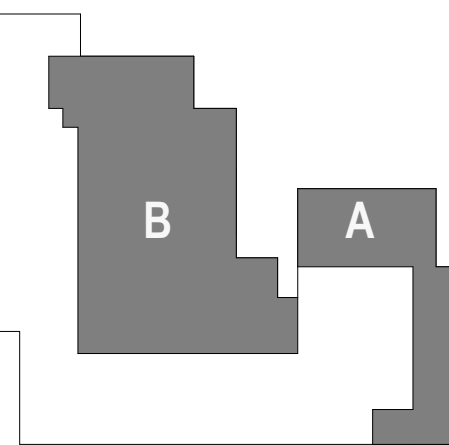
1/4" = 1'-0"
SCALE
FEET

MECHANICAL KEY NOTES:

1. PROVIDE MANUAL BALANCING DAMPERS AT ALL RUN OUTS SHOWN OR NOT, FOR NON ACCESSIBLE LOCATIONS. PROVIDE REMOTE DAMPER OPERATOR SIMILAR TO YOUNG'S REGULATOR WITH CEILING ESCUTCHEON FOR BALANCING DIFFUSERS. (TYPICAL).
2. PROVIDE WALL MOUNTED THERMOSTAT. MOUNT THERMOSTAT 48" A.F.F.
3. PROVIDE WALL MOUNTED HUMIDISTAT. MOUNT HUMIDISTAT 48" A.F.F.
4. PROVIDE CO2 SENSOR. INTERLOCK CO2 SENSOR WITH RTU.
5. PROVIDE DUCT MOUNTED SMOKE DETECTORS IN SUPPLY AIR AND RETURN AIR DUCTS. INTERLOCK WITH RTU.
6. PROVIDE MICROFIBER CLOTH TO RETURN AIR DUCT.
7. PROVIDE RETURN GRILLE AND AIR TRANSFER DUCT AS HIGH AS POSSIBLE. COORDINATE COLOR OF GRILLE WITH ARCHITECT.
8. ROUTE 40/26 SUPPLY AIR AND 50/26 RETURN AIR DUCT TO RTU ON ROOF. PROVIDE NECESSARY TRANSITIONS. PROVIDE DUCT EXPANSION JOINT BETWEEN NEW ROOF AND EXISTING BUILDING. COORDINATE WITH STRUCTURAL.
9. PROVIDE FIRE DAMPER. INSTALL FIRE DAMPER PER MANUFACTURER'S INSTRUCTIONS. (TYPICAL).
10. ALL EXISTING DUCTWORK, DIFFUSERS, EXHAUST DUCTS, ETC IN THE KITCHEN TO REMAIN.
11. REROUTE ALL EXISTING SUPPLY DUCT TO NEW DIFFUSERS LOCATION. ASSURE ALL RUN OUTS HAVE OPERATIONAL MANUAL BALANCING DAMPERS. PROVIDE NEW MANUAL BALANCING DAMPERS IN NEW RUN OUTS AND IN EXISTING RUN OUTS WITHOUT DAMPERS. PROVIDE NO MORE THAN SIX FEET OF R-6 FLEXIBLE DUCT TO NEW DIFFUSERS.

MECHANICAL GENERAL NOTES:

1. TEST AND BALANCE CONTRACTOR TO REBALANCE ANY ASSOCIATED GRILLS RELATED TO THIS SCOPE OF WORK.
2. ALL EXPOSED DUCTWORK SHALL BE INTERNALLY INSULATED AND PAINTED. COORDINATE COLOR WITH ARCHITECT.



DATE: 02/21/2025		
REV.	DESCRIPTION	DATE
1	Adendum #1	03/10/2025
PROJECT IDENTIFICATION		
MECHANICAL FLOOR PLAN - CIVIC CENTER & LOBBY (ALTERNATE #2)		

AIR DEVICE SCHEDULE (BASE BID)										
PLAN MARK	MANUF. & MODEL NUMBER	SERVICE	MODULE SIZE	NECK SIZE	FACE SIZE	BORDER TYPE	FINISH	BLOW PATTERN	MATL.	OPTIONS/NOTES
A	TITUS OMNI-AA	SUPPLY	24 X 24	6" ROUND	24 X 24	3	26	4	ALU	
B	TITUS OMNI-AA	SUPPLY	24 X 24	6" ROUND	24 X 24	1	26	4	ALU	
C	TITUS OMNI-AA	SUPPLY	24 X 24	8" ROUND	24 X 24	3	26	4	ALU	
D	TITUS OMNI-AA	SUPPLY	24 X 24	8" ROUND	24 X 24	1	26	4	ALU	
E	TITUS OMNI-AA	SUPPLY	24 X 24	10" ROUND	24 X 24	3	26	4	ALU	
F	TITUS OMNI-AA	SUPPLY	24 X 24	10" ROUND	24 X 24	1	26	4	ALU	
G	TITUS OMNI-AA	SUPPLY	24 X 24	12" ROUND	24 X 24	1	26	4	ALU	
H	TITUS OMNI-AA	SUPPLY	12 X 12	6" ROUND	12 X 12	1	26	4	ALU	
I	TITUS 300 FS	SUPPLY	11.75 X 7.75	10 X 6	9.25 X 5.25	1	04	2	ALU	COLOR BY ARCHITECT
J	TITUS FL-10-HT	SUPPLY	48	8" ROUND	48	1	26	1	ALU	INSULATED PLENUM BOX ONE 1" SLOT
K	TITUS FL-10-HT	SUPPLY	48	10" ROUND	48	1	26	1	ALU	INSULATED PLENUM BOX TWO 1" SLOT
L	TITUS FL-20-JT	SUPPLY	48	12" ROUND	48	1	26	1	ALU	INSULATED PLENUM BOX ONE 2" SLOT
M	TITUS 50 F	RETURN	24 X 24	6 X 6	20 X 20	3	26	-	ALU	1/2" X 1/2" X 1" CORE PROVIDE BACKPAN AND DUCT COLLAR
N	TITUS 50 F	RETURN	24 X 24	8 X 6	20 X 20	3	26	-	ALU	1/2" X 1/2" X 1" CORE PROVIDE BACKPAN AND DUCT COLLAR
O	TITUS 50 F	RETURN	24 X 24	12 X 6	20 X 20	3	26	-	ALU	1/2" X 1/2" X 1" CORE PROVIDE BACKPAN AND DUCT COLLAR
P	TITUS 50 F	RETURN	24 X 24	12 X 8	20 X 20	3	26	-	ALU	1/2" X 1/2" X 1" CORE PROVIDE BACKPAN AND DUCT COLLAR
Q	TITUS 50 F	RETURN	24 X 24	18 X 10	20 X 20	1	26	-	ALU	1/2" X 1/2" X 1" CORE PROVIDE BACKPAN AND DUCT COLLAR
R	TITUS 50 F	RETURN	24 X 24	18 X 12	20 X 20	1	26	-	ALU	1/2" X 1/2" X 1" CORE PROVIDE BACKPAN AND DUCT COLLAR
S	TITUS 50 F	RETURN	24 X 12	6 X 6	20 X 10	3	26	-	ALU	1/2" X 1/2" X 1" CORE PROVIDE BACKPAN AND DUCT COLLAR
T	TITUS 350 FL	RETURN	11.75 X 7.75	10 X 6	9.25 X 5.25	1	04	-	ALU	COLOR BY ARCHITECT
U	TITUS FL-20-HT	RETURN	48	-	48	1	26	1	ALU	RETURN HOOD/LIGHT SHIELD ONE 2" SLOT
V	TITUS FL-15-HT	RETURN	48	-	48	1	26	1	ALU	RETURN HOOD/LIGHT SHIELD TWO 1.5" SLOTS
W	TITUS 50 F	EXHAUST	24 X 24	8 X 6	20 X 20	1	26	-	ALU	1/2" X 1/2" X 1" CORE PROVIDE BACKPAN AND DUCT COLLAR
X	TITUS OMNI-AA	SUPPLY	24 X 24	SAME AS EXISTING	24 X 24	3	26	4	ALU	
Y	TITUS 50 F	RETURN	24 X 24	SAME AS EXISTING	20 X 20	3	26	-	ALU	1/2" X 1/2" X 1" CORE PROVIDE BACKPAN AND DUCT COLLAR
BORDER TYPE		BLOW PATTERN		FINISH		OPTIONS/NOTES				
1. SURFACE MOUNT 2. SNAP-IN 3. LAY-IN 4. SPLINE 5. DROPPED 6. BEVELED		1. 1-WAY 2. 2-WAY 2C. 2-WAY, OPPOSITE 3. 3-WAY 4. 4-WAY+		01 ALUMINUM 04 MILL (STD) 26 WHITE		TRM RAPID MOUNT FRAME PFSS SS PLASTER FRAME PFA ALUM PLASTER FRAME AG-15 STEEL DAMPER AG-15-AA ALUMINUM DAMPER AG-15-SS STAINLESS STEEL DAMPER EQT EARTHQUAKE TABS L FRONT BLADE LONG ORIENTATION S FRONT BLADE SHORT ORIENTATION AG-85 BUTTERFLY DAMPER EG EQUALIZING GRID TRV THROW REDUCING VANES				
						MATERIAL STL 22 GAUGE STEEL ALU ALUMINUM				

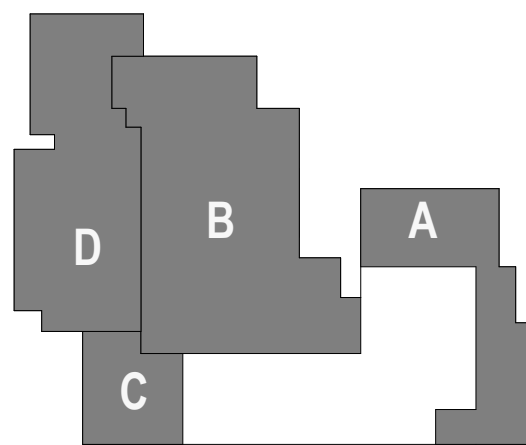
AIR DEVICE SCHEDULE (ALTERNATE #4)										
PLAN MARK	MANUF. & MODEL NUMBER	SERVICE	MODULE SIZE	NECK SIZE	FACE SIZE	BORDER TYPE	FINISH	BLOW PATTERN	MATL.	OPTIONS/NOTES
A4	TITUS OMNI-AA	SUPPLY	24 X 24	SAME AS EXISTING	24 X 24	3	26	4	ALU	
Y4	DEMOLISHED	-	-	-	-	-	-	-	-	
BORDER TYPE		BLOW PATTERN		FINISH		OPTIONS/NOTES				
1. SURFACE MOUNT 2. SNAP-IN 3. LAY-IN 4. SPLINE 5. DROPPED 6. BEVELED		1. 1-WAY 2. 2-WAY 2C. 2-WAY, OPPOSITE 3. 3-WAY 4. 4-WAY+		01 ALUMINUM 04 MILL (STD) 26 WHITE		TRM RAPID MOUNT FRAME PFSS SS PLASTER FRAME PFA ALUM PLASTER FRAME AG-15 STEEL DAMPER AG-15-AA ALUMINUM DAMPER AG-15-SS STAINLESS STEEL DAMPER EQT EARTHQUAKE TABS L FRONT BLADE LONG ORIENTATION S FRONT BLADE SHORT ORIENTATION AG-85 BUTTERFLY DAMPER EG EQUALIZING GRID TRV THROW REDUCING VANES				
						MATERIAL STL 22 GAUGE STEEL ALU ALUMINUM				

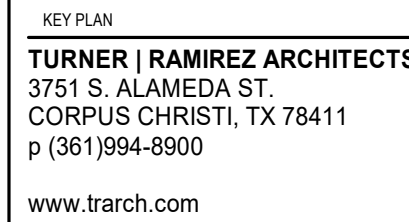
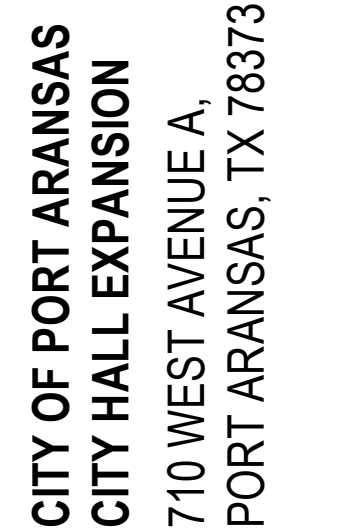
AIR BALANCE SCHEDULE								BASED ON ASHRAE 62.1-2019	
MARK	SERVES	SUPPLY AIR CFM	RETURN AIR CFM	OUTSIDE AIR CFM	EXHAUST AIR CFM	RESULTING BALANCE	PERCENT OUTSIDE AIR		
RTU-1	OFFICES / RR	1950	1680	270		270	13.8%		
RTU-2	OFFICES / CONFERENCE	2100	1880	220		220	10.5%		
RTU-3	CATER PREP	1550	1470	80		80	5.2%		
RTU-4	MEETING B / STORAGE	2550	2110	440		440	17.3%		
RTU-5	MEETING A / STORAGE	2550	2110	440		440	17.3%		
RTU-6	CORRIDOR A / STORAGE	1280	1120	160		160	12.5%		
RTU-7	OFFICES / RR / BREAKROOM	2400	2050	350		350	14.6%		
EF	A106 RR				50	-50			
EF	A107 RR				50	-50			
EF	D106 FAMILY				50	-50			
EF	D107 WOMENS RR				150	-150			
EF	D108 MENS RR				150	-150			
EF	BREAKROOM HOOD				250	-250			
OA	OUTSIDE AIR TOTAL					1960			
EA	EXHAUST AIR TOTAL					-700			
	DIFFERENCE (OA-EA)					1260			
CONDITIONED AREA (SQUARE FEET)						10745			
A	DESIRED CFM FOR PRESSURIZATION (CFM/SF)					0.04	429.8	CFM	
B	BUILDING LEAKAGE BASED ON NEW BLDG AT 0.04 CFM/SF X TOTAL SURFACE AREA						715.68	CFM	
C	BUILDING EXHAUST						700	CFM	
MINIMUM REQUIRED FOR PRESSURIZATION (A+B+C)							1845	CFM	
AMOUNT OF FRESH AIR PROVIDED (DELIVERED)							1960		
AMOUNT TO BE RELIEVED (DELIVERED - MINIMUM)							115	CFM	
BUILDING PRESSURIZED AT:		0.03 in. W.G.	AT	1846	CFM				

AIR DEVICE SCHEDULE (ALTERNATE #1)										
PLAN MARK	MANUF. & MODEL NUMBER	SERVICE	MODULE SIZE	NECK SIZE	FACE SIZE	BORDER TYPE	FINISH	BLOW PATTERN	MATL.	OPTIONS/NOTES
A1	TITUS OMNI-AA	SUPPLY	24 X 24	6" ROUND	24 X 24	1	26	4	ALU	
B1	TITUS FL-10-HT	SUPPLY	48	10" ROUND	48	1	26	1	ALU	INSULATED PLENUM BOX TWO 1" SLOT
C1	TITUS 50 F	RETURN	24 X 24	18 X 12	20 X 20	1	26	-	ALU	1/2" X 1/2" X 1" CORE PROVIDE BACKPAN AND DUCT COLLAR
D1	TITUS 350 FL	RETURN	13.75 X 9.75	12 X 8	11.25 X 7.25	1	26	-	ALU	
X1	EXISTING	-	-	-	-	-	-	-	-	
Y1	DEMOLISHED	-	-	-	-	-	-	-	-	
BORDER TYPE		BLOW PATTERN		FINISH		OPTIONS/NOTES				
1. SURFACE MOUNT 2. SNAP-IN 3. LAY-IN 4. SPLINE 5. DROPPED 6. BEVELED		1. 1-WAY 2. 2-WAY 2C. 2-WAY, OPPOSITE 3. 3-WAY 4. 4-WAY+		01 ALUMINUM 04 MILL (STD) 26 WHITE		TRM RAPID MOUNT FRAME PFSS SS PLASTER FRAME PFA ALUM PLASTER FRAME AG-15 STEEL DAMPER AG-15-AA ALUMINUM DAMPER AG-15-SS STAINLESS STEEL DAMPER EQT EARTHQUAKE TABS L FRONT BLADE LONG ORIENTATION S FRONT BLADE SHORT ORIENTATION AG-85 BUTTERFLY DAMPER EG EQUALIZING GRID TRV THROW REDUCING VANES				
				MATERIAL STL 22 GAUGE STEEL ALU ALUMINUM						

AIR DEVICE SCHEDULE (ALTERNATE #2)										
PLAN MARK	MANUF. & MODEL NUMBER	SERVICE	MODULE SIZE	NECK SIZE	FACE SIZE	BORDER TYPE	FINISH	BLOW PATTERN	MATL.	OPTIONS/NOTES
A2	TITUS FL-20-HT	SUPPLY	48	12" ROUND	48	1	26	1	ALU	INSULATED PLENUM BOX TWO 2" SLOT
B2	TITUS FL-10-HT	SUPPLY	48	8" ROUND	48	1	26	1	ALU	INSULATED PLENUM BOX ONE 1" SLOT
C2	TITUS 350 FL	RETURN	25.75 x 25.75	24 x 24	23.25 x 23.25	1	04	-	ALU	COLOR BY ARCHITECT
X2	EXISTING	-	-	-	-	-	-	-	-	
Y2	DEMOLISHED	-	-	-	-	-	-	-	-	
BORDER TYPE		BLOW PATTERN		FINISH		OPTIONS/NOTES				
1. SURFACE MOUNT 2. SNAP-IN 3. LAY-IN 4. SPLINE 5. DROPPED 6. BEVELED		1. 1-WAY 2. 2-WAY 2C. 2-WAY, OPPOSITE 3. 3-WAY 4. 4-WAY+		01 ALUMINUM 04 MILL (STD) 26 WHITE		TRM RAPID MOUNT FRAME PFSS SS PLASTER FRAME PFA ALUM PLASTER FRAME AG-15 STEEL DAMPER AG-15-AA ALUMINUM DAMPER AG-15-SS STAINLESS STEEL DAMPER EQT EARTHQUAKE TABS L FRONT BLADE LONG ORIENTATION S FRONT BLADE SHORT ORIENTATION AG-85 BUTTERFLY DAMPER EG EQUALIZING GRID TRV THROW REDUCING VANES				
				MATERIAL STL 22 GAUGE STEEL ALU ALUMINUM						

FAN SCHEDULE		
MARK	EF-1, EF-2, EF-3	EF-4
SERVES	RR A106, RR A107, FAM D106	RR D107, RR D108
DRIVE	DIRECT, CEILING	DIRECT, ROOF
CFM	50	300
E.S.P. IN W.G.	0.3	0.5
WATTS (HP)	11	(1/10)
FAN RPM	829	1,663
FAN RPM (MAX.)	900	1,725
SONES (MAX.)	0.5	8.2
VOLTS/PHASE/HERTZ	115/1/60	115/1/60
MANUFACTURER	GREENHECK	GREENHECK
MODEL NUMBER	SP-A90	G-080-VG
WEIGHT	20	27
NOTES	1, 2, 6	1, 3, 4, 5, 6
NOTE: 1. FAN SHALL BE DIRECT DRIVE WITH MOTOR MOUNTED SPEED CONTROL RELAY, PREWIRED INTEGRAL DISCONNECT SWITCH, AND BACKDRAFT DAMPER. 2. EXHAUST FAN SHALL BE CONTROLLED BY LIGHT SWITCH TO TURN ON WHEN RESTROOM LIGHT IS ON. COORDINATE WITH ELECTRICAL CONTRACTOR. 3. EXHAUST FAN SHALL BE CONTROLLED BY TIME CLOCK TO OPERATE DURING BUILDING OPERATIONAL HOURS. AFTER OPERATIONAL HOURS, EXHAUST FAN SHALL OVERRIDE BY LIGHT SWITCH. 4. PROVIDE MANUFACTURERS 14" ROOF CURB AND BIRDSCREEN. 5. PROVIDE LAB COAT PROTECTIVE COATING. EXHAUST FAN SHALL BE HIGH WIND RATED. 6. EQUIVALENT MANUFACTURES ARE COOK AND GREENHECK.		





MECHANICAL SCHEDULES



NRG
ENGINEERING
5656 S. STAPLES, SUITE 360,
CORPUS CHRISTI, TX 78411
P - 361.852.2727 F - 361.852.2922
TEXAS ENGINEERING FIRM NO.
005318
23227

	RTU-1	RTU-2	RTU-3	RTU-4	RTU-5	RTU-6	RTU-7	RTU-8	RTU-9	RTU-10
SERVES	OFFICES / RR	OFFICES / CONFERENCE	CATER PREP	MEETING B / STORAGE	MEETING A / STORAGE	CORRIDOR A / STORAGE	OFFICES / RR / BREAKROOM	CITY HALL COUNCIL CHAMBERS (ALT #1)	CIVIC CENTER (ALT #2)	CIVIC CENTER (ALT #2)
TONS	6	6	4	8.5	8.5	4	7.5	3	30	30
TYPE	CONSTANT VOLUME	CONSTANT VOLUME	CONSTANT VOLUME	SINGLE ZONE VAV	SINGLE ZONE VAV	CONSTANT VOLUME	CONSTANT VOLUME	CONSTANT VOLUME	SINGLE ZONE VAV	SINGLE ZONE VAV
EER (EER/SEER)	12.4 / 17.3	12.4 / 17.3	13 / 17.1	12.3 / 20.5	12.3 / 20.5	13 / 17.1	12.3 / 17.3	13 / 17.1	11.7 / 17.4	11.7 / 17.4
CFM	1950	2100	1550	2550	2550	2400	2400	1000	10000	10000
OA CFM	270	220	80	440	440	160	350	115	1800	1800
PERCENT OA	13.8%	10.5%	5.2%	17.2%	17.2%	14.6%	11.5%	11.5%	18.0%	18.0%
FAN RPM	994	1023	875	1123	1123	837	1088	925	650	650
EXT SP	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1	1
SUPPLY MOTOR (HP)	3	3	3	3	3	3	3	0.75	7.5	7.5
FAN TYPE	DIRECT DRIVE	DIRECT DRIVE	DIRECT DRIVE	DIRECT DRIVE	DIRECT DRIVE	DIRECT DRIVE	DIRECT DRIVE	DIRECT DRIVE	DIRECT DRIVE	DIRECT DRIVE
REFRIGERANT TYPE	R-454B	R-454B	R-454B	R-454B	R-454B	R-454B	R-454B	R-454B	R-454B	R-454B
AMBIENT TEMPERATURE (F)	100	100	100	100	100	100	100	100	100	100
COOLING SECTION										
EAT DB/WB (F)	79 / 65	79.2 / 65	76.9 / 62.3	79.8 / 67.7	79.8 / 67.7	81.6 / 66.4	79.9 / 65.7	76.4 / 63.8	79.4 / 69.3	79.4 / 69.3
LAT DB/WB (F)	51.6 / 51.5	52.5 / 52.4	50.99 / 50.91	55.2 / 54.8	55.2 / 54.8	52.9 / 52.8	53.9 / 53.5	50.7 / 50.6	56.7 / 56.6	56.7 / 56.6
TOT MBTUH	74.8	75.9	43.8	99.3	99.3	45.9	33.7	398	398	398
SEN MBTUH	57	59.8	36.3	66.7	66.7	33.9	67.2	24.6	241	241
HEATING SECTION										
HEATING EAT (F)	64.8	65.8	68	62.5	62.5	63.9	63.8	66.2	60.7	60.7
HEATING LAT (F)	93.18	92.2	91.9	95.2	95.2	92.7	86.97	84.7	77.4	77.4
HEATING OUTPUT MBTUH	60.9	61.0	40.7	91.7	91.7	40.6	61.2	20.4	183.7	183.7
HEATING OUTPUT KW	17.8	17.9	11.9	26.9	26.9	11.9	17.9	6.0	53.8	53.8
HOT GAS REHEAT SECTION										
EAT DB/WB (F)	73 / 64	73 / 64	73 / 64	73 / 64	73 / 64	73 / 64	73 / 64	73 / 64	73 / 64	73 / 64
LAT DB/WB (F)	55.2 / 54.9	55.6 / 55.2	51.76 / 51.7	51.1 / 50.7	51.1 / 50.7	49.33 / 49.3	55.35 / 55.15	51.8 / 51.2	-	-
TOTAL MBTUH	33.2	35.1	39.7	76.0	76.0	37.1	40.9	25.6	201	201.0
ELECTRICAL INFO										
VOLTS/PH	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60
MCA	60	60	44	83	83	44	60	27	182	182
MOCP	60	60	45	90	90	45	60	30	200	200
MFG	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE
MODEL No.	THK072A3S0G	THK072A3S0G	THK048A3S0E	TZK102A3S0K	TZK102A3S0K	THK090A3S0E	THK036A3S0G	THK036A3S0B	TEH360DEB	TEH360DEB
WEIGHT	1039.7	1039.7	927	1026.4	1026.4	927	1061.7	705	5120	5120
NOTES:	1,2,3,6,8,9,12,13,14,15,16,17,18	1,2,3,6,8,9,12,13,14,15,16,17,18	1,2,5,8,9,12,13,14,15,16,17,18	1,2,3,7,10,11,12,13,14,15,16,17,18	1,2,3,7,10,11,12,13,14,15,16,17,18	1,2,5,8,9,12,13,14,15,16,17,18	1,2,3,6,8,9,12,13,14,15,16,17,18	1,2,5,8,9,12,13,14,15,16,17,18	1,2,3,4,7,10,11,12,13,14,15,16,17,18	1,2,3,4,7,10,11,12,13,14,15,16,17,18

CONTRACTOR PROVIDED AND INSTALLED ITEMS:

1. CONTRACTOR IS RESPONSIBLE FOR CLEAN HVAC COILS AT THE END OF CONSTRUCTION. PROVISIONS SHALL BE TAKEN TO KEEP COILS CLEAN. IF THE COIL GETS DIRTY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OR REPLACING COILS.
2. CONTRACTOR SHALL PROVIDE THREE SETS OF 2" DEEP DELETED MERV 13 RATED FILTERS EQUIVALENT TO FARR FILTERS. THE CONTRACTOR SHALL REPLACE FILTERS JUST AFTER ANY HEAVY SANDING, JUST PRIOR TO AIR BALANCE, AND ONCE AGAIN AFTER FINAL STORE CLEANING IS COMPLETE.
3. CONTRACTOR TO PROGRAM HVAC EQUIPMENT THERMOSTAT, INITIAL OPERATION HOURS AND TEMPERATURE SETPOINTS. ADJUST OPERATIONAL HOURS WHEN OBTAINED BY THE GENERAL CONTRACTOR.
4. PROVIDE IDENTIFICATION ON ALL HVAC EQUIPMENT. PROVIDE STENCIL WITH A MINIMUM OF 4" HIGH BLACK SPRAY PAINTED LETTERS INDICATING HVAC UNIT NUMBER.

AIR HANDLER SCHEDULE

CONDENSING UNIT SCHEDULE

1. SIZE REFRIGERANT LINES AS PER THE MANUFACTURERS INSTRUCTIONS. PROVIDE INVERTER DRIVEN COMPRESSORS, HIGH AND LOW PRESSURE SWITCHES, CRANKCASE HEATERS, NON-BLEED PORT, AND ADJUSTABLE EXPANSION VALVE. PROVIDE PRESSURE TAPS ON INLET AND OUTLET OF INDOOR COILS. PROVIDE SUCTION ACCUMULATORS ON ALL UNITS.
2. DO NOT EXCEED MANUFACTURERS RECOMMENDED REFRIGERANT LINE LENGTHS.
3. PROVIDE REFRIGERANT SENSOR AND CONTROLS AT THE UNIT WITH SYSTEM SHUT OFF VALVE FOR REFRIGERANT MITIGATION COMPLIANT WITH UL 60335-2-40.
4. PROVIDE WIRED THERMOSTAT WITH WIFI CAPABILITIES.
5. UNIT SHALL BE WALL MOUNTED COOLING ONLY UNIT.
6. INDOOR UNIT IS POWERED BY OUTDOOR UNIT.
7. PROVIDE WIND BAFFLE FOR CONDENSING UNIT.
8. PROVIDE MANUFACTURER SEACOAST PROTECTION.
9. EQUIVALENT MANUFACTURES ARE MITSUBISHI, CARRIER, AND DAIKIN.

OUTSIDE AIR DAMPER CONTROL (NON-ECONOMIZER MODE):

COMMISSIONING:

- PERFORM A CALIBRATION CHECK BY RECORDING READINGS ON ALL SENSORS EARLY IN THE MORNING. ALL SENSORS SHOULD READ WITHIN 50-70 PPM OR SHOULD BE CALIBRATED.
- FUNCTIONALLY TEST ALL DCV RELATED SEQUENCES, INCLUDING THE WORST CASE SCENARIO OF MINIMUM FLOW, AND THEN VERIFY PROPER BUILDING PRESSURIZATION IS STILL MAINTAINED.
- ENSURE THAT THE OWNER'S RELIANCE STAFF IS AWARE OF HOW TO CALIBRATE THE SENSORS.

SPACE CO2 READING	OUTDOOR AIRFLOW SETPOINT	RTU-4	RTU-5	RTU-9	RTU-10
EQUAL TO OR LESS THAN 1140 PPM	MINIMUM OUTSIDE AIR CFM	85	85	260	260
GREATER THAN 1140 PPM	MAXIMUM OUTSIDE AIR CFM	440	440	1800	1800

DATE: 02/21/2025

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REV.	DESCRIPTION	DATE
PROJECT ISSUE DATE:	02/21/2023	
PHASE:	IFB (ISSUED FOR BID)	
DRAWN BY:	CPC	
CHECKED BY:	SMF	
PROJECT NUMBER:	2023-29	
SHEET IDENTIFICATION		

03/10/25



5656 S. STAPLES, SUITE 360,
CORPUS CHRISTI, TX 78411
P - 361.852.2727 F - 361.852.292
TEXAS ENGINEERING FIRM NO.
005318

23227

3/10/2025 9:50:26 AM

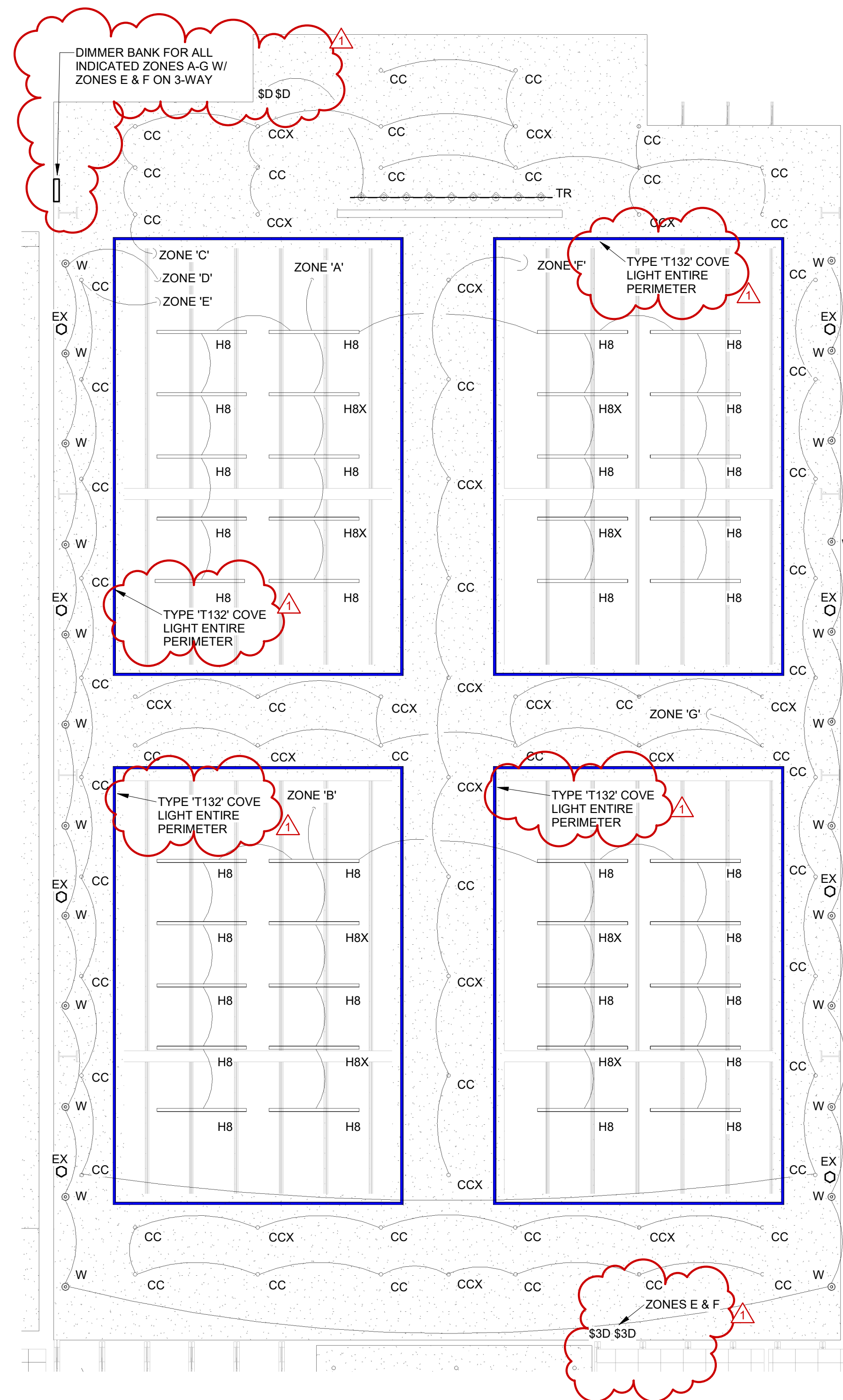
ELECTRICAL GENERAL NOTES:

- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE CONTRACTOR. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.
- B. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, CIVIL, MECHANICAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.
- C. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES.
- D. ALL CONDUIT SHALL BE AS STRAIGHT AS POSSIBLE AND PARALLEL OR PERPENDICULAR TO BUILDING LINES.
- E. ALL WORK SHALL COMPLY WITH CURRENTLY ADOPTED VERSION OF NATIONAL ELECTRICAL CODE.
- F. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
- G. ALL CONDUIT SHALL BE ROUTED CONCEALED WITHIN WALLS AND/OR ABOVE CEILINGS, WHERE APPLICABLE.
- H. REFER TO DETAIL #1/E5.1 PLANS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL FIXTURES PRIOR TO ROUGH-IN.

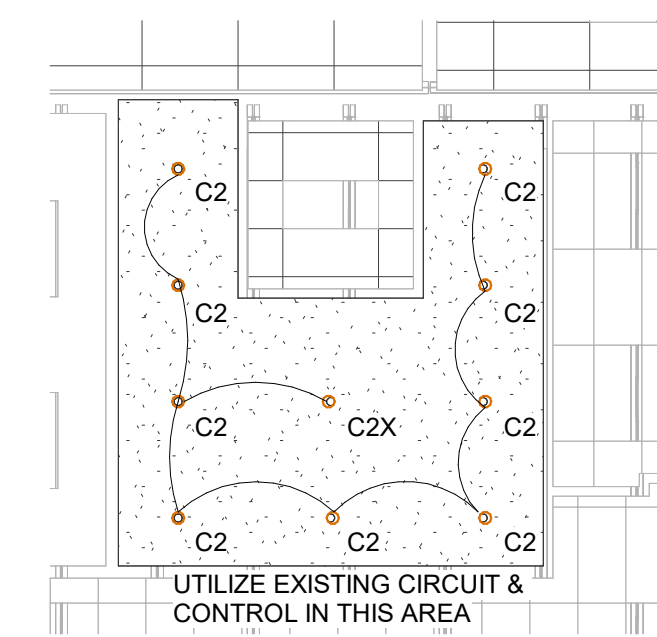
ELECTRICAL LIGHTING KEY NOTES:

- 1 CIRCUIT SENSOR(S) IN ROOM/AREA TO ALL POWER PACKS INDICATED TO SERVE THIS AREA. ACTIVATION OF ANY ONE SENSOR SHALL SIGNAL ALL POWER PACK RELAYS TO CLOSE. TYPICAL.
- 2 INSTALL ALL INDICATED SWITCHES "GANGED" IN COMMON OUTLET BOX AND IMMEDIATELY ADJACENT TO DOOR/OPENING.
- 3 PROVIDE 0-10V DIMMING CONDUCTORS FROM SPECIFIED DIMMER TO EACH FIXTURE CONTROLLED BY DIMMER (ENTIRE CIRCUIT). INSTALL CONDUCTORS IN SEPARATE RACEWAY FROM LINE VOLTAGE POWER CONDUCTORS.
- 4 CIRCUIT EXHAUST FAN (INDICATED ON POWER DRAWINGS) TO LIGHTS IN THIS ROOM. FAN TO BE CONTROLLED WITH LIGHTS.
- 5 EACH INDICATED SWITCH SHALL BE A SINGLE CONTROL ZONE IN THIS AREA.

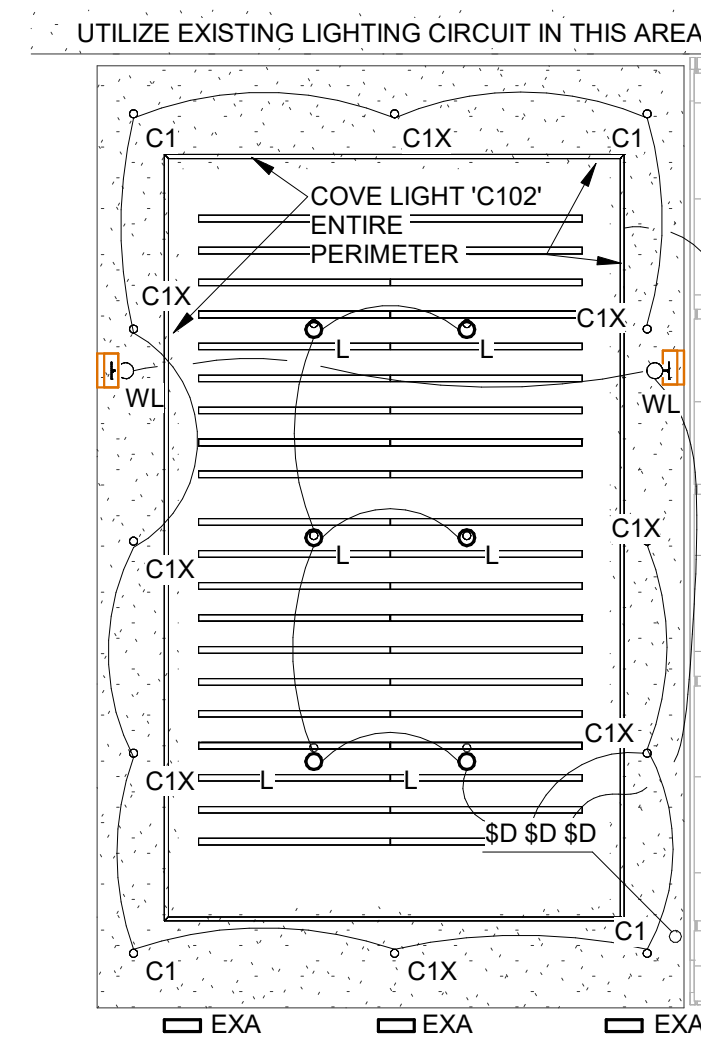
CIRCUIT ALL INDICATED EXIT LIGHTS TO UNSWITCHED SIDE OF CIRCUIT SERVING RESPECTIVE AREAS, TYPICAL.



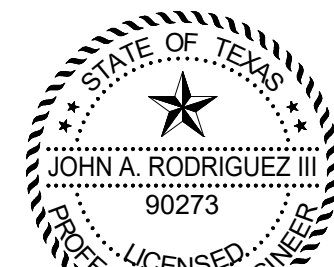
1 ELECTRICAL LIGHTING PLAN - CIVIC CENTER
1/8" = 1'-0"



2 ELECTRICAL LIGHTING PLAN - SUPPLY ROOM
1/8" = 1'-0"



3 ELECTRICAL LIGHTING PLAN - LOBBY
ALTERN
1/8" = 1'-0"

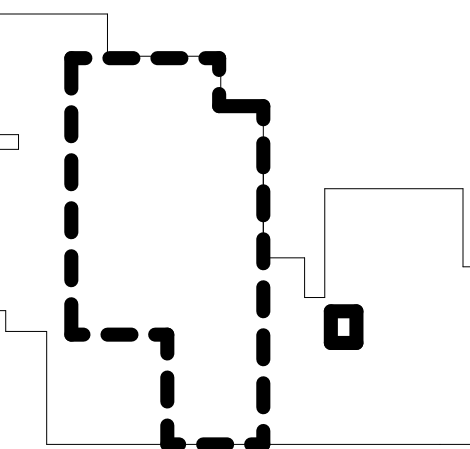


03/10/25



5656 S. STAPLES, SUITE 360,
CORPUS CHRISTI, TX 78411
P - 361.852.2727 F - 361.852.2922
TEXAS ENGINEERING FIRM NO.
005318

23227



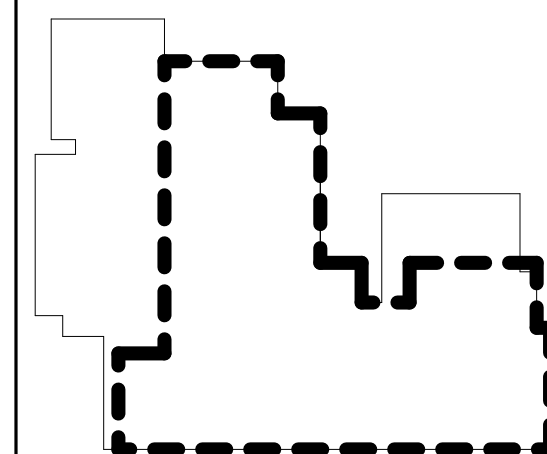
KEY PLAN

JURNER | RAMIREZ ARCHITECTS
51 S. ALAMEDA ST.
CORPUS CHRISTI, TX 78411
(361)994-8900
www.trarch.com

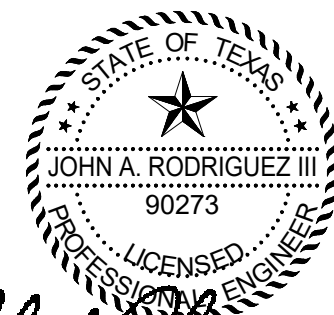
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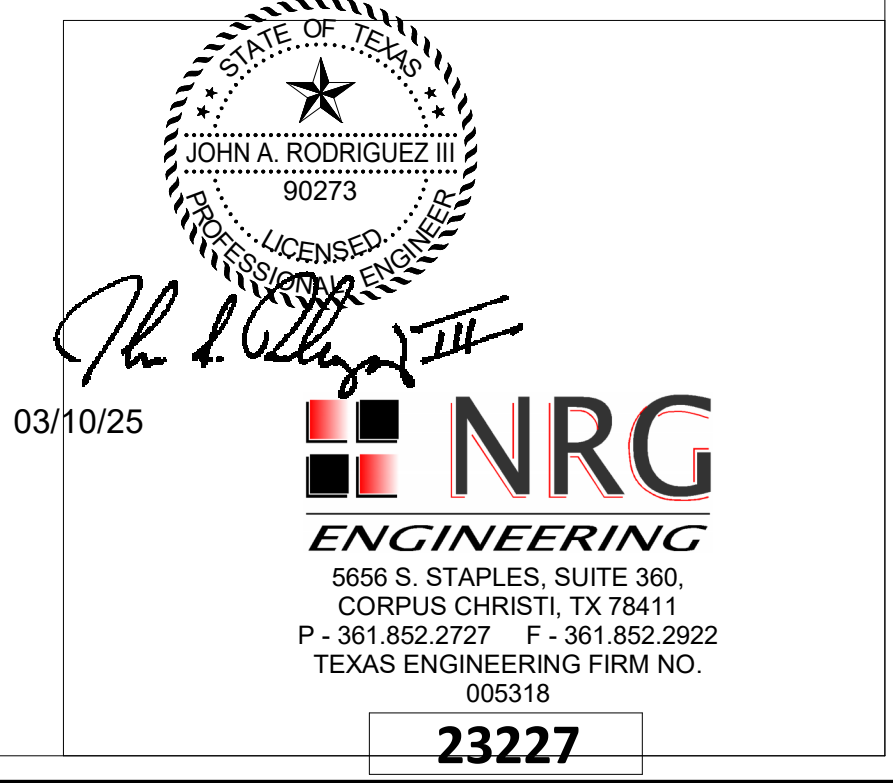
3/10/2025 12:35:25 PM

ELECTRICAL SPECIAL
SYSTEMS-EXISTING AREAS
1/8" = 1'-0"



DATE: 02/21/2025		
SEAL	1	Address: 801
REV.	DESCRIPTION	DATE
PROJECT ISSUE DATE:	02/21/2025	
PHASE:	IFB (ISSUED FOR BID)	
DRAWN BY:	JCC	
CHECKED BY:	JAR	
PROJECT NUMBER:	2023-29	
SHEET IDENTIFICATION		
ELECT. SPEC. SYSTEMS-EXISTING SPACES		





3/10/2025 12:35:26 PM

PANEL ' LI '											
W/SPD				400 AMP, M.L.O., 120/208 V, 3Ø, 4W, S/N, SURFACE, NEMA 1, 42 KAIC							
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED
1	SPD	-	#10 AWG	30/3	A	B	C	30/1	#10 AWG	1500	ELEC HAND DRYER
3		-	#10 AWG		A	B	C	30/1	#10 AWG	1500	ELEC HAND DRYER
5		-	#10 AWG		A	B	C	25/2	#10 AWG	1220	AHU/CU-2
7	RTU-4	8466	#8 AWG	90/3	A	B	C	15/1	#12 AWG	1220	*
9	-	8466	#3 AWG		A	B	C	20/1	#12 AWG	400	EF-4
11	-	8466	#3 AWG		A	B	C	20/1	#12 AWG	600	PROJ SCREENS
13	RTU-5	8466	#3 AWG	90/3	A	B	C	20/1	#10 AWG	500	GEN ACCESSORY
15	-	8466	#3 AWG		A	B	C	20/1	#10 AWG	500	GEN ACCESSORY
17	-	8466	#3 AWG		A	B	C	20/1	#10 AWG	500	GEN ACCESSORY
19	RTU-6	4488	#8 AWG	45/3	A	B	C	20/2	#10 AWG	1500	GEN HEATER
21	-	4488	#8 AWG		A	B	C	20/1	#10 AWG	1500	*
23	-	4488	#8 AWG		A	B	C	20/1	#10 AWG	1500	SPARE
25	RTU-7	6120	#6 AWG	60/3	A	B	C	20/1	#10 AWG	1500	SPARE
27	-	6120	#6 AWG		A	B	C	20/1	#10 AWG	1500	SPARE
29	-	6120	#6 AWG		A	B	C	20/1	#10 AWG	1500	SPARE
31	OPERABLE PARTITION	444	#12 AWG	15/3	A	B	C				
33	-	444	#12 AWG		A	B	C				
35	-	444	#12 AWG		A	B	C				
37	RTU-8	2754	#10 AWG	30/3	A	B	C				
39	-	2754	#10 AWG		A	B	C				
41	-	2754	#10 AWG		A	B	C				
CONNECTED LOAD = 103154 VA				PHASE A = 35458 VA				PHASE B = 34638 VA			

PANEL ' LJ '											
W/SPD				150 AMP, M.L.O., 120/208 V, 3Ø, 4W, S/N, SURFACE, NEMA 1, 35 KAIC							
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED
1	SPD	-	#10 AWG	30/3	A	B	C	20/1	#12 AWG	900	ELEC/STOR RECEIPT
3		-	#10 AWG		A	B	C	20/1	#12 AWG	900	OFFICE RECEIPT
5		-	#10 AWG		A	B	C	20/1	#12 AWG	720	MAINT RECEIPT
7	SERVER/IT	1200	#10 AWG	30/2	A	B	C	20/1	#12 AWG	900	BRKRM RECEIPT
9	-	1200	#10 AWG		A	B	C	20/1	#12 AWG	720	BRKRM RECEIPT
11	TELECOM/IT	500	#10 AWG		A	B	C	20/1	#12 AWG	720	BRKRM RECEIPT
13	HOOD/LTG	500	#12 AWG	20/1	A	B	C	20/1	#12 AWG	540	BRKRM RECEIPT
15	ROOF SERVICE RECPT	360	#12 AWG	20/1	A	B	C	50/2	#8 AWG	3600	RANGE
17	ACCESS CONTRL	360	#12 AWG	20/1	A	B	C	50/2	#8 AWG	3600	*
19	RECIRC PUMP 'CP'	200	#12 AWG	20/1	A	B	C	20/1	#12 AWG	540	RR RECEIPT
21	EWI	2250	#10 AWG	30/2	A	B	C	20/1-GFCI	#12 AWG	720	DRINKING FOUNTN
23	-	2250	#10 AWG		A	B	C	20/1	#12 AWG	720	HALL RECEIPT
25	REFRIG	750	#12 AWG		A	B	C	20/1	#12 AWG	1080	MEET'G RECEIPT
27	RR RECEIPT	540	#12 AWG	20/1	A	B	C	20/1	#12 AWG	1080	MEET'G RECEIPT
29	AV RECEIPT	720	#12 AWG	20/1	A	B	C	20/1	#12 AWG	1080	MEET'G RECEIPT
31	PROJECTOR	500	#12 AWG	20/1	A	B	C	20/1	#12 AWG	900	HALL RECEIPT
33	PROJECTOR	500	#12 AWG	20/1	A	B	C	20/1	#12 AWG	720	CHAMBER RECEIPT
35	MEET'G B FLR RECEIPT	540	#12 AWG	20/1	A	B	C	20/1	#12 AWG	720	CHAMBER RECEIPT
37	MEET'G A FLR RECEIPT	540	#12 AWG	20/1	A	B	C	20/1	#12 AWG	720	CHAMBER RECEIPT
39	AUTO SHADES	360	#12 AWG	20/1	A	B	C	20/1	#12 AWG	1111	LIGHTING
41	ROOF SERVICE RECPT	540	#12 AWG	20/1	A	B	C	20/1	#12 AWG	1111	LIGHTING
43	FACP	360	#12 AWG	20/1	A	B	C	20/1	#12 AWG	1111	LIGHTING
45	SPARE			20/1	A	B	C	20/1	#12 AWG	1111	LIGHTING
47	SPARE			20/1	A	B	C	20/1	#12 AWG	1111	LIGHTING
49	SPARE			20/1	A	B	C	20/1	#12 AWG	1111	LIGHTING
51	SPARE			20/1	A	B	C	20/1	#12 AWG	1111	LIGHTING
53	SPARE			20/1	A	B	C	20/1	#12 AWG	200	EXTER LTG
55	SPARE			20/1	A	B	C	20/1	#12 AWG	360	LTG CONTROL PNL
57					A	B	C				
59					A	B	C				
CONNECTED LOAD = 43387 VA				PHASE A = 12212 VA				PHASE B = 16283 VA			

PANEL ' LK '											
W/SPD				250 AMP, M.L.O., 120/208 V, 3Ø, 4W, S/N, FLUSH, NEMA 1 (SS COVER), 10 KAIC PROVIDE W/ STAINLESS STEEL COVER							
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED
1	SPD	-	#10 AWG	30/3	A	B	C	20/1	#10 AWG	540	CATER RECEIPT
3		-	#10 AWG		A	B	C	20/1	#10 AWG	1100	REFRIG-CATER
5		-	#10 AWG		A	B	C	20/1	#10 AWG	1100	REFRIG-CATER
7	RTU-3	4488	#8 AWG	45/3	A	B	C	20/1	#10 AWG	1100	REFRIG-CATER
9	-	4488	#8 AWG		A	B	C	20/1	#10 AWG	1100	REFRIG-CATER
11	-	4488	#8 AWG		A	B	C	20/1	#10 AWG	1800	WARM CAB-CATER
13	RTU-1	6120	#6 AWG	60/3	A	B	C	20/1	#10 AWG	1800	WARM CAB-CATER
15	-	6120	#6 AWG		A	B	C	20/1	#10 AWG	1800	WARM CAB-CATER
17	-	6120	#6 AWG		A	B	C	20/1	#10 AWG	1800	WARM CAB-CATER
19	RTU-2	6120	#6 AWG	60/3	A	B	C	20/1	#10 AWG	1800	CATER RECEIPT
21	-	6120	#6 AWG		A	B	C	20/2"	#10 AWG	1111	ICE MACH - CATERG
23	-	6120	#6 AWG		A	B	C	20/1	#10 AWG	1111	*
25	AHU/CU-1	1220	#10 AWG	25/2	A	B	C	20/1	#10 AWG		SPARE
27	-	1220	#10 AWG		A	B	C	20/1	#10 AWG		SPARE
29	TWH	3500	#8 AWG	40/1	A	B	C	20/1	#10 AWG		SPARE
31					A	B	C	20/1	#10 AWG		SPARE
33					A	B	C	20/1	#10 AWG		SPARE
35					A	B	C	20/1	#10 AWG		SPARE
37					A	B	C	20/1	#10 AWG		SPARE
39					A	B	C	20/1	#10 AWG		SPARE
41					A	B	C	20/1	#10 AWG		SPARE
* = FIELD CONFIRM PRIOR TO WORK, ICE MACHINE TO BE RELOCATED				CONNECTED LOAD = 72286 VA				PHASE A = 23188 VA			

PANEL ' LL '											
W/SPD				125 AMP, M.L.O., 120/208 V, 3Ø, 4W, S/N, SURFACE, NEMA 1, 10 KAIC							
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED
1	SPD	-	#10 AWG	30/3	A	B	C	20/1	#12 AWG	900	OFFICE RECEIPT
3		-	#10 AWG		A	B	C	20/1	#12 AWG	900	OFFICE RECEIPT
5		-	#10 AWG		A	B	C	20/1	#12 AWG	1080	OFFICE RECEIPT
7	SERVER/IT	1200	#10 AWG	30/2	A	B	C	20/1	#12 AWG	900	OFFICE RECEIPT
9	-	1200	#10 AWG		A	B	C	20/1	#12 AWG	900	CONF RECEIPT
11	IT/TELCOM	800	#10 AWG		A	B	C	20/1	#12 AWG	1440	CONF RECEIPT
13	IT/TELCOM	800	#10 AWG	20/1	A	B	C	20/1	#12 AWG	720	IT OFFICE RECEIPT
15	ACCESS CONTRL	360	#12 AWG	20/1	A	B	C	20/1	#12 AWG	720	OFFICE RECEIPT
17	ROOF SERV RECEIPT	360	#12 AWG	20/1	A	B	C	20/1	#12 AWG	540	RR/HALL RECEIPT
19	LIGHTING	1111	#12 AWG	20/1	A	B	C	20/1	#12 AWG	720	OFFICE RECEIPT
21	LIGHTING	1111	#12 AWG	20/1	A	B	C	20/1	#12 AWG	900	OFFICE RECEIPT
23	LIGHTING	1111	#12 AWG	20/1	A	B	C	20/1	#10 AWG	800	PRINTER
25	EXTER LTG	250	#12 AWG	20/1	A	B	C	20/1	#12 AWG	900	OFFICE RECEIPT
27	IRRIG CONTRL	300	#12 AWG	20/1	A	B	C	20/1	#12 AWG	1080	OFFICE RECEIPT
29	SPARE			20/1	A	B	C	40/1	#8 AWG	3500	TWH-1
31	SPARE			20/1	A	B	C	20/1	#12 AWG	360	LTG CONTROL PNL
33	SPARE			20/1	A	B	C				
35	SPARE			20/1	A	B	C				
37	SPARE			20/1	A	B	C				
39	SPARE			20/1	A	B	C				
41	SPARE			20/1	A	B	C				
CONNECTED LOAD = 24963 VA				PHASE A = 7881 VA				PHASE B = 7471 VA			

LIGHT FIXTURE SCHEDULE											
TYPE	MANUFACTURER & CATALOG NO.					VOLTAGE	WATTS	LUMENS	TEMP	MOUNTED	DESCRIPTION
A4	ACUITY #STAKS-2X4-AL06-SWW7					120	31	4000	4000	GRID/RECESSED	2X4 LED TROFFER-SWITCHABLE, SET AS SCHEDULED
A4X	ACUITY #STAKS-2X4-AL06-SWW7-ILBCP10A					120	31	4000	4000	GRID/RECESSED	2X4 LED TROFFER W/ BATTERY PACK-SWITCHABLE, SET AS SCHEDULED
A5	ACUITY #STAKS-2X4-AL06-SWW7					120	39	5000	4000	GRID/RECESSED	2X4 LED TROFFER-SWITCHABLE, SET AS SCHEDULED
A5X	ACUITY #STAKS-2X4-AL06-SWW7-ILBCP10A					120	39	5000	4000	GRID/RECESSED	2X4 LED TROFFER W/ BATTERY PACK-SWITCHABLE, SET AS SCHEDULED
A6	ACUITY #STAKS-2X4-AL06-SWW7					120	47	6000	4000	GRID/RECESSED	2X4 LED TROFFER-SWITCHABLE, SET AS SCHEDULED
A6X	ACUITY #STAKS-2X4-AL06-SWW7-ILBCP10A					120	47	6000	4000	GRID/RECESSED	2X4 LED TROFFER W/ BATTERY PACK-SWITCHABLE, SET AS SCHEDULED
A6F	SAME AS 'A6' EXCEPT W/ DGA FLANGE KIT					120	-	-	-	-	-
A6FX	SAME AS 'A6X' EXCEPT W/ DGA FLANGE KIT					120	-	-	-	-	-
B3	ACUITY #STAKS-2X2-AL03-SWW5					120	21	3000	4000	GRID/RECESSED	2X2 LED TROFFER-SWITCHABLE, SET AS SCHEDULED
B3X	ACUITY #STAKS-2X2-AL03-SWW5-ILB-CP10A					120	21	3000	4000	GRID/RECESSED	2X2 LED TROFFER W/ BATTERY PACK-SWITCHABLE, SET AS SCHEDULED
B4	ACUITY #STAKS-2X2-AL03-SWW5					120	33	4000	4000	GRID/RECESSED	2X2 LED TROFFER-SWITCHABLE, SET AS SCHEDULED
B4X	ACUITY #STAKS-2X2-AL03-SWW5-ILB-CP10A					120	33	4000	4000	GRID/RECESSED	2X2 LED TROFFER W/ BATTERY PACK-SWITCHABLE, SET AS SCHEDULED
B5	ACUITY #STAKS-2X2-AL03-SWW5					120	41	5000	4000	GRID/RECESSED	2X2 LED TROFFER-SWITCHABLE, SET AS SCHEDULED
B5X	ACUITY #STAKS-2X2-AL03-SWW5-ILB-CP10A					120	41	5000	4000	GRID/RECESSED	2X2 LED TROFFER W/ BATTERY PACK-SWITCHABLE, SET AS SCHEDULED
CC	ACUITY #LND6-2500L-40K-L06-AR-LSS-MVOLT-EZ1					120	29	2500	4000	RECESSED	6" LED RECESSED CAN
CCK	ACUITY #LND6-2500L-40K-L06-AR-LSS-MVOLT-EZ1-E10WCP					120	29	2500	4000	RECESSED	6" LED RECESSED CAN W/ BATTERY PACK
C1	ACUITY #LND6-1000L-40K-L06-AR-LSS-MVOLT-GZ10					120	10	1000	4000	RECESSED	6" LED RECESSED CAN
C1X	ACUITY #LND6-1000L-40K-L06-AR-LSS-MVOLT-GZ10-E10WCP					120	10	1000	4000	RECESSED	6" LED RECESSED CAN W/ BATTERY PACK
C15	ACUITY #LND6-1500L-40K-L06-AR-LSS-MVOLT-GZ10					120	18	1500	4000	RECESSED	6" LED RECESSED CAN
C15X	ACUITY #LND6-1500L-40K-L06-AR-LSS-MVOLT-GZ10-E10WCP					120	18	1500	4000	RECESSED	6" LED RECESSED CAN W/ BATTERY PACK
C2	ACUITY #LND6-2000L-40K-L06-AR-LSS-MVOLT-GZ10					120	23	2000	4000	RECESSED	6" LED RECESSED CAN
C2X	ACUITY #LND6-2000L-40K-L06-AR-LSS-MVOLT-GZ10-E10WCP					120	23	2000	4000	RECESSED	6" LED RECESSED CAN W/ BATTERY PACK
C25	ACUITY #LND6-2500L-40K-L06-AR-LSS-MVOLT-GZ10					120	29	2500	4000	RECESSED	6" LED RECESSED CAN
C25X	ACUITY #LND6-2500L-40K-L06-AR-LSS-MVOLT-GZ10-E10WCP					120	29	2500	4000	RECESSED	6" LED RECESSED CAN W/ BATTERY PACK
C3	ACUITY #LND6-3000L-40K-L06-AR-LSS-MVOLT-GZ10					120	44	3000	4000	RECESSED	6" LED RECESSED CAN
C3X	ACUITY #LND6-3000L-40K-L06-AR-LSS-MVOLT-GZ10-E10WCP					120	44	3000	4000	RECESSED	6" LED RECESSED CAN W/ BATTERY PACK
C102	LLI ARCH LIGHTING #LLI-N4.6W-68-SD63-40K-24V-80-12-PWR-48-EF					120	469	26520	4000	COVE	COVE/ROPE LIGHT W/ ALL FITTINGS AND CLIPS AT 12"OC
C132	LLI ARCH LIGHTING #LLI-N4.6W-68-SD63-40K-24V-80-132-PWR-48-EF					120	607	34320	4000	COVE	COVE/ROPE LIGHT W/ ALL FITTINGS AND CLIPS AT 12"OC
D12	FINELITE #HP4-R-D-12'-H-840-F-96LG-120V-SC-FC-10%-FE-RALCBA					120	112	11184	4000K	RECESSED	12' LINEAR RECESSED
D15	FINELITE #HP4-R-D-15'-H-840-F-96LG-120V-SC-FC-10%-FE-SW					120	133	14444	4000K	RECESSED	15' LINEAR RECESSED
D15X	FINELITE #HP4-R-D-15'-H-840-F-96LG-120V-SC-FC-10%-FE-SW-LGD18W					120	133	14444	4000K	RECESSED	15' LINEAR RECESSED W/ BATTERY PACK (1.4' SECTION)
EX	ACUITY #LHQM-LED-R-SD					120	-	-	-	SURFACE	LED EXIT LIGHT W/ EMERG HEADS
EXA	ACUITY #LQC-1-R-ELN					120	-	-	-	SURFACE	LED EXIT LIGHT W/ BATTERY, NO EMERG HEADS
F5	ACUITY #CLX-L48-5000LM-SEF-FDL-MVOLT-GZ10-40K-80CRI-WH					120	32	5000	4000	SUSPENDED/SURF	4' LED STRIP LIGHT
F5X	SAME AS 'F5' EXCEPT W/ EMERGENCY BATTERY PACK					-	-	-	-	-	-
F7	ACUITY #CLX-L48-7000LM-SEF-FDL-MVOLT-GZ10-40K-80CRI-WH					120	47	7000	4000	SUSPENDED/SURF	4' LED STRIP LIGHT
F7X	SAME AS 'F7' EXCEPT W/ EMERGENCY BATTERY PACK					-	-	-	-	-	-
G	EUREKA #4805-38-LED-40-90-120-DV-96"-RC1-RCA-WHE-WH					120	62	6985	4000	SUSPENDED	38" DIAMETER RING LIGHT
H8	FINELITE #HP4-P-D-8'-B-840-F-96LG-120-SC-FC10-FA100-CA-FE-RALCBA					120	37	3816	4000	SUSPENDED	8' LINEAR LED, SUSPEND FLUSH W/ BOTTOM OF CEILING FEATURE
H8X	FINELITE #HP4-P-D-8'-B-840-F-96LG-120-SC-FC10-FA100-CA-FE-RALCBA-LGD18W					120	37	3816	4000	SUSPENDED	8' LINEAR LED W/ BATTERY, SUSPEND FLUSH W/ BOTTOM OF CLG FEATURE
L	ACUITY #LDN4-CYL-40K-20-L04-AR-LSS-MVOLT-GZ10-ACC-CBA					120	24	2000	4000	SUSPENDED	4' CYLINDER, BOTTOM FLUSH W/ CEILING FEATURE
TR	JUNO TRACMASTER (QNTY 16) #1286L-40K-90CRI-PDIM-NFL-CBA-CGF-469-T770					120	52	3581	4000	TRACK	16 HEADS W/ COLOR FILTERS & 16' OF DUAL CIRCUIT TRACK
W	BEGA #24-S18-K4					120	9	1033	4000	WALL	LED WALL SCONCE - CIVIC CENTER
WL	KUZZO FIORE #WV407618					120	24	1500	3000	WALL	LED WALL SCONCE - LOBBY
OA	ACUITY #LND6-750L-40K-L06-AR-LSS-MVOLT-EZ1					120	9	750	4000	RECESSED	6" LED RECESSED CAN-WET LOCATION
OAX	ACUITY #LND6-750L-40K-L06-AR-LSS-MVOLT-EZ1-E10WCP					120	9	750	4000	RECESSED	6" LED RECESSED CAN W/ BATTERY PACK-WET LOCATION
OBX	ACUITY #WDGE-LED-P2-40K-80CRI-VW-MVOLT-SRM-E4WH-DWHXD					120	15	2000	4000	RECESSED	LED WALL PACK W/ BATTERY PACK
OC	ACUITY #WXP1-LED-P1-40K-MVOLT-DWHXD					120	11	1550	4000	SURFACE	LED WALLPACK