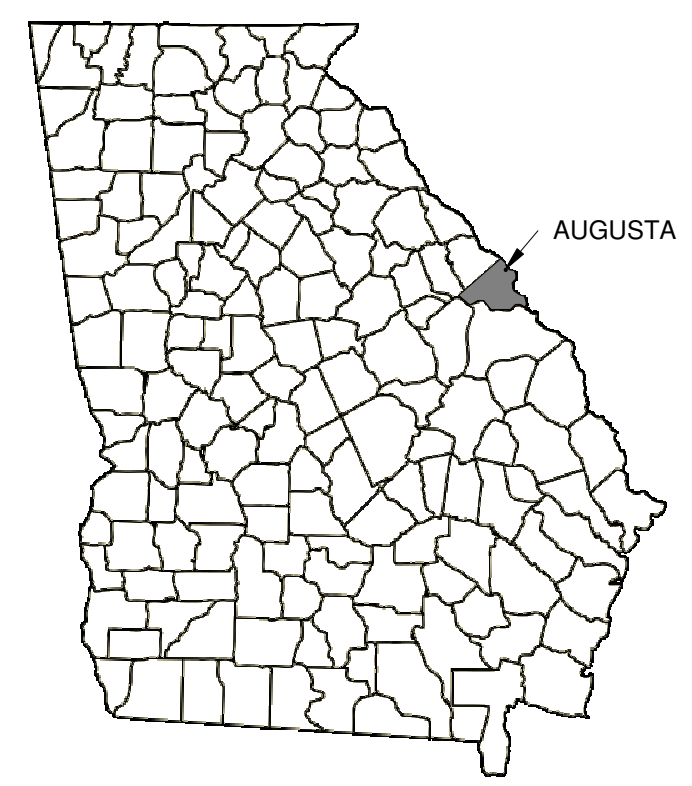


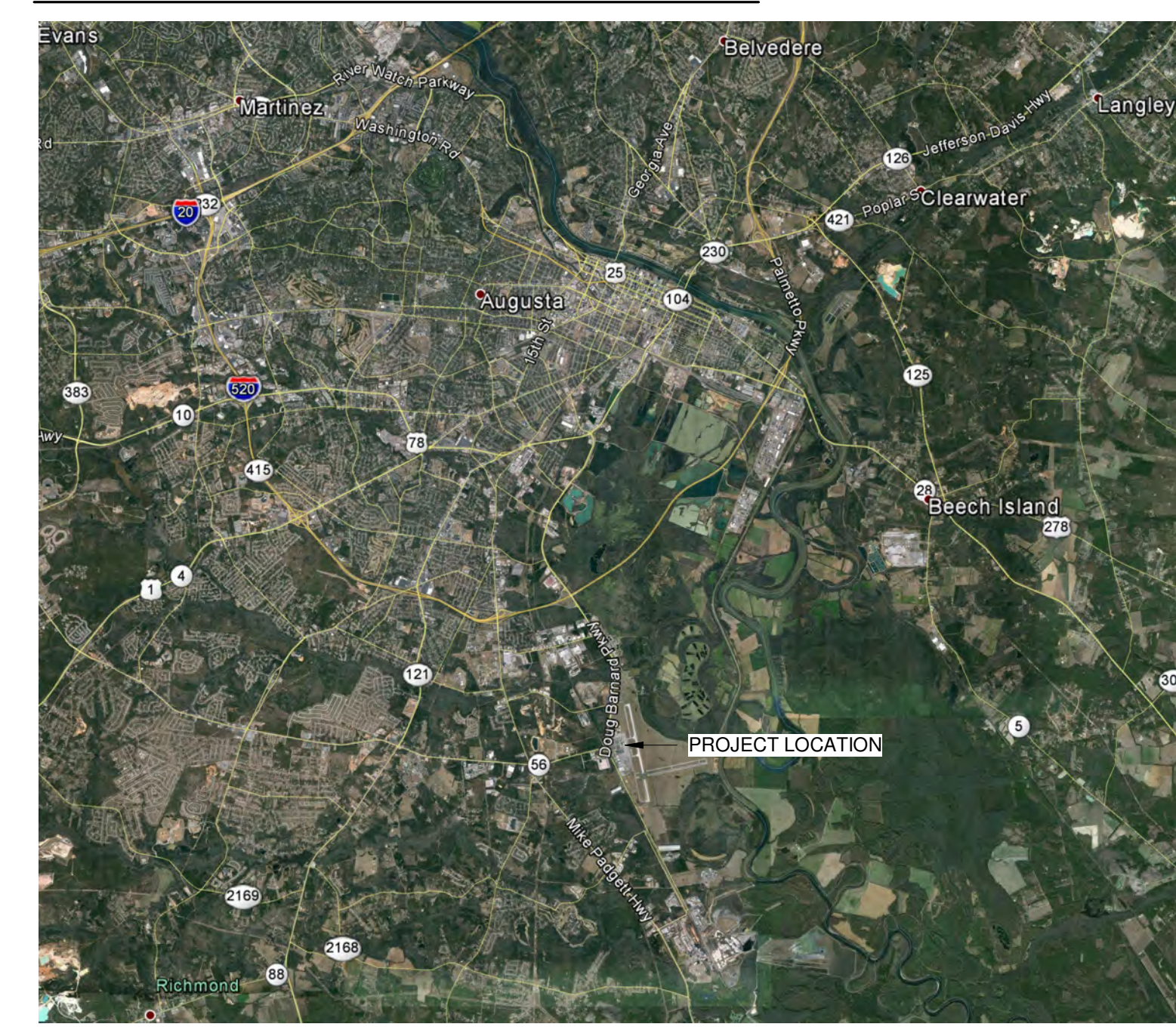
AUGUSTA REGIONAL AIRPORT CHECKPOINT MODERNIZATION

1501 AVIATION WAY, AUGUSTA, GA 30906

PROJECT No.: 0119700-231215.02



VICINITY MAP:



LOCATION MAP:



1501 AVIATION WAY,
AUGUSTA, GA 30906-9620

SHEET INDEX

| Sheet Number | Sheet Name | Sheet Number | Sheet Name |
|----------------------|---|--------------|---|
| GENERAL | | | |
| G-001 | COVER SHEET | I-101 | FIRST FLOOR FINISH PLAN |
| G-011 | CODE ANALYSIS SCHEDULE | I-211 | INTERIOR BUILDING ELEVATIONS |
| G-021 | LIFE SAFETY PLAN | I-212 | INTERIOR BUILDING ELEVATIONS |
| G-024 | CONSTRUCTION PHASING PLAN DETAILS | I-401 | ENLARGED PLANS & ELEVATIONS |
| G-025 | CONSTRUCTION PHASING PLAN | I-601 | FINISH SCHEDULES |
| G-026 | CONSTRUCTION PHASING PLAN 1 | I-610 | CASEWORK DETAILS |
| G-027 | CONSTRUCTION PHASING PLAN 2 | I-611 | INTERIOR FINISH DETAILS |
| G-028 | CONSTRUCTION PHASING PLAN 3 | I-701 | FIRST FLOOR FURNITURE PLAN |
| G-029 | CONSTRUCTION PHASING PLAN 4 | I-702 | FURNITURE SCHEDULE |
| G-030 | CONSTRUCTION PHASING PLAN 5 | I-801 | FIRST FLOOR SIGNAGE PLAN |
| G-032 | CONSTRUCTION PHASING PLAN 6 | I-802 | FIRST FLOOR SIGNAGE DETAILS |
| G-033 | CONSTRUCTION PHASING PLAN 7 | | |
| G-034 | CONSTRUCTION PHASING PLAN 8 | | |
| INTERIORS | | | |
| CIVIL | | | |
| G-031 | EXISTING CONDITIONS | FP-101 | FIRE PROTECTION - DEMOLITION |
| G-071 | CONSTRUCTION SAFETY PHASING PLAN - NOTES | FP-201 | FIRE PROTECTION - NEW WORK |
| G-072 | CONSTRUCTION SAFETY PHASING PLAN - NOTES | | |
| G-081 | CONSTRUCTION SAFETY PHASING PLAN - WA MATRIX | | |
| G-082 | CONSTRUCTION SAFETY PHASING PLAN - KEY PLAN | P-101 | PLUMBING DEMOLITION PLAN - WASTE AND VENT |
| G-083 | CONSTRUCTION SAFETY PHASING PLAN - WORK AREA 1 | P-102 | PLUMBING DEMOLITION PLAN - WATER |
| G-084 | CONSTRUCTION SAFETY PHASING PLAN - WORK AREA 2 | P-201 | PLUMBING NEW WORK PLAN - WATER AND VENT |
| G-085 | CONSTRUCTION SAFETY PHASING PLAN - WORK AREA 3 | P-202 | PLUMBING NEW WORK PLAN - WATER |
| G-086 | CONSTRUCTION SAFETY PHASING PLAN - WORK AREA 4 | P-203 | PLUMBING ROOF PLAN |
| G-087 | CONSTRUCTION SAFETY PHASING PLAN - WORK AREA 5 | P-301 | PLUMBING SCHEDULE AND DETAILS |
| G-088 | CONSTRUCTION SAFETY PHASING PLAN - WORK AREA 6 | | |
| G-089 | CONSTRUCTION SAFETY PHASING PLAN - WORK AREA 6 | | |
| C-051 | DEMOLITION PLAN | | |
| C-101 | GRADING PLAN | | |
| C-301 | TYPICAL SECTIONS | | |
| MECHANICAL | | | |
| STRUCTURAL | | | |
| S001 | LEGEND SHEET | M-101 | HVAC FIRST FLOOR DEMOLITION |
| S002 | GENERAL STRUCTURAL NOTES | M-201 | HVAC FIRST FLOOR RENOVATION |
| S003 | GENERAL STRUCTURAL NOTES | M-202 | HVAC ROOF RENOVATION |
| SD201 | FOUNDATION DEMO PLAN | M-301 | HVAC DETAILS |
| SD202 | SECOND FLOOR DEMO PLAN | M-401 | HVAC SCHEDULES |
| S201 | FOUNDATION PLAN | | |
| S202 | SECOND FLOOR PLAN | | |
| S203 | UPPER EAVE PLAN | | |
| S204 | PARTIAL PLANS | | |
| S401 | FOUNDATION SCHEDULES AND TYPICAL DETAILS | | |
| S402 | FOUNDATION SCHEDULES AND TYPICAL DETAILS | | |
| S403 | STEEL SCHEDULES AND TYPICAL DETAILS | | |
| S404 | STEEL DECK SCHEDULES AND TYPICAL DETAILS | | |
| S501 | FOUNDATION DETAILS | | |
| S701 | FRAMING DETAILS | | |
| S702 | FRAMING DETAILS | | |
| S703 | FRAMING DETAILS | | |
| ELECTRICAL | | | |
| ARCHITECTURAL | | | |
| A-001 | NOTES & SYMBOLS | E-001 | ELECTRICAL NOTES AND SYMBOLS |
| A-002 | INTERIOR PARTITION TYPES | E-002 | NOTES, SYMBOLS & ABBREVIATIONS |
| A-003 | EXTERIOR ASSEMBLIES | E-003 | KEYED NOTES |
| A-005 | ARCHITECTURE & INTERIORS KEYED NOTES LEGEND | ED101 | FIRST FLOOR POWER DEMOLITION PLAN |
| AD100 | OVERALL FIRST FLOOR DEMOLITION PLAN | ED121 | FIRST FLOOR LIGHTING DEMOLITION PLAN |
| AD101 | FIRST FLOOR DEMOLITION PLAN AREA B | ED141 | FIRST FLOOR FIRE ALARM DEMOLITION PLAN |
| AD102 | SECOND FLOOR DEMOLITION PLAN AREA B | ED161 | LIGHTNING PROTECTION DEMOLITION PLAN |
| AD105 | ROOF DEMOLITION PLAN | E-050 | POWER DISTRIBUTION PLAN |
| AD121 | FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN | E-101 | FIRST FLOOR POWER PLAN |
| AD201 | EXTERIOR ELEVATIONS - DEMOLITION | E-102 | FIRST FLOOR POWER PLAN |
| AD202 | EXTERIOR ELEVATIONS - DEMOLITION | E-121 | FIRST FLOOR LIGHTING PLAN |
| AD301 | DEMOLITION SECTIONS | E-141 | FIRST FLOOR FIRE ALARM PLAN |
| A-100 | OVERALL FLOOR PLAN | E-160 | LIGHTNING PROTECTION AND GROUNDING PLAN |
| A-101 | FIRST FLOOR PLAN | E-401 | ENLARGED PLANS, ELEVATIONS & SECTIONS |
| A-102 | SECOND FLOOR PLAN | E-501 | DETAILS |
| A-105 | ROOF PLAN | E-502 | DETAILS |
| A-121 | FIRST FLOOR AREA B RENO CEILING PLAN | E-503 | DETAILS |
| A-201 | EXTERIOR ELEVATIONS - RENOVATIONS | E-601 | SCHEDULES |
| A-202 | EXTERIOR ELEVATIONS - RENOVATIONS | E-602 | SCHEDULES |
| A-301 | BUILDING SECTIONS | E-603 | SCHEDULES |
| A-302 | BUILDING SECTIONS | E-701 | ONE-LINE DIAGRAM |
| A-303 | BUILDING SECTIONS | | |
| A-311 | WALL SECTIONS | | |
| A-312 | WALL SECTIONS | | |
| A-313 | WALL SECTIONS | | |
| A-401 | ENLARGED PLANS AND DETAILS | | |
| A-501 | DETAILS | | |
| A-502 | DETAILS | | |
| A-503 | DETAILS | | |
| A-511 | PLAN DETAILS | | |
| A-512 | PLAN DETAILS | | |
| A-513 | PLAN DETAILS | | |
| A-601 | SCHEDULES | | |
| A-602 | WINDOW ELEVATIONS AND DETAILS | | |
| TECHNOLOGY | | | |
| T-001 | NOTES, SYMBOLS & ABBREVIATIONS | | |
| T-005 | TECHNOLOGY KEYED NOTES | | |
| TD100 | FIRST FLOOR OVERALL COMMUNICATION DEMOLITION PLAN | | |
| TD101 | FIRST FLOOR COMMUNICATIONS DEMOLITION PLAN | | |
| T-100 | OVERALL FIRST FLOOR COMMUNICATIONS PLANS | | |
| T-101 | FIRST FLOOR COMMUNICATIONS PLAN - AREA A | | |
| T-121 | FIRST FLOOR SECURITY PLAN | | |
| T-401 | ENLARGED PLANS - TSA IT ROOM - D113 | | |
| T-402 | ENLARGED PLANS - IT ROOM - D111 | | |
| T-501 | DETAILS | | |
| T-601 | SCHEDULES | | |
| T-701 | ONE-LINE DIAGRAM | | |

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AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION
1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED
09/13/24 BID SET

MSH NO.: 0119700-231215.02
DATE: 09/13/2024
DESIGNED BY: DR
DRAWN BY: CL
CHECKED BY: DR

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SHEET CONTENTS
COVER SHEET

SHEET NO.:

G-001

FIRE PROTECTION AND LIFE SAFETY ANALYSIS

Project Name and Location:
 AGS Checkpoint Modernization
 1501 Aviation Way
 Augusta, Georgia 30906

Applicable Design Criteria and Codes:
 Building Code / Structural Code: International Building Code (IBC 2018) with Georgia Amendments 2022
 Plumbing Code: International Plumbing Code (IPC 2018) with Georgia Amendments (2020,2022 & 2023)
 Mechanical Code: International Mechanical Code (IMC 2018) with Georgia Amendments (2020)
 Electrical Code: National Electric Code (NEC 2020) with Georgia Amendments (2021,2022)
 Fire/Life Safety Code: International Fire Code (IFC 2018) with Georgia Amendments (2020)
 Accessibility Code: 2010 ADA Standards for Accessible Design with Georgia Amendments
 Energy Code: International Energy Conservation Code, (IECC 2015) with Georgia Amendments (2020)
 Fuel/Gas Code: International Fuel Gas Code, (IFGC 2018) with Georgia Amendments (2020)
 Boiler Code: N/A
 Life Safety Code: NFPA 101 2018 with Georgia Amendments (2020)
 Portions of NFPA 10 Standard for Portable Fire Extinguishers (2018) as referenced in IBC

Building Occupancy Classifications:
 IBC Section 303.4: Assembly Group A-3 "waiting areas in transportation terminals"
 IBC Section 303.4: Assembly Group A-3 "other assembly uses not classified elsewhere"
 IBC Section 304.1: Business Group B "use for office...including storage of records and accounts"
 IBC Section 311.2: Moderate-hazard storage, Group S-1 "Bags" "Beverages over 16%" "Cardboard" "Upholstery"

Special Detailed Requirements Based on Use and Occupancy:

Allowable Building Height and Number of Stories

IBC Section 504.1 Height and Stories based on type of construction, occupancy and automatic sprinkler system.
 IBC Table 504.3: Allowable Height Above Grade Plane

| Occupancy | Type of Const. | Height Allowed | | Actual |
|----------------------------|-----------------|----------------|---|--------|
| A-3, B, S "most stringent" | IB, Sprinklered | 180' | > | 47' |

IBC Table 504.4: Allowable Number of Stories

| Occupancy | Type of Const. | Stories Allowed | | Actual |
|---|-----------------|-----------------|---|--------|
| A-3 (nonseparated mixed use) "most stringent" | IB, Sprinklered | 12 | > | 2 |
| B (nonseparated mixed use) | IB, Sprinklered | 12 | > | 2 |
| S-1 (nonseparated mixed use) | IB, Sprinklered | 12 | > | 2 |

Building Area

IBC Section 506.1 Floor area based on type of construction, occupancy classification, automatic sprinkler system and amount of building frontage.

IBC Section 506.2 - Allowable Area Determination

IBC Section 506.2.2 Mixed-occupancy, see Section 508.3.2 for nonseparated occupancies. Table 506.2 for Allowable Area.

IBC Section 506.3: Frontage increase (If): Smallest public way is > 30' wide, % of building perimeter is 100% :
 If = 0.75

Allowable Area

508.3.2 Mixed use allowable building area per floor (SF) based on most restrictive:

| Most Restrictive (Table 506.2) | Allowable Area (Per Story) | | Actual Area (All Levels) |
|--------------------------------|----------------------------|---|--------------------------|
| S-1, Type IB, SM (SF) | 144,000 | > | 99,967 |

Area Factor Increase

506.2.4 Mixed use and occupancy, multistory buildings - allowable area (SF) per floor: Aa = [At + (NS x If)]

| Aa = [144,000 + (48,000 x 0.75)] | | | Actual Area (All Levels) |
|----------------------------------|---|--|--------------------------|
| 180,000 | > | | 99,967 |

Proposed Building Area

| Existing (All Levels) | Addition (All Levels) | Actual Area (All Levels) |
|-----------------------|-----------------------|--------------------------|
| 94,551 | 5,416 | 99,967 |

FIRE-RESISTANCE RATING REQUIREMENTS

Construction Type

IBC Section 602.2: Type IB Construction - listed building elements in Table 601 shall be noncombustible

Building Elements

IBC Table 601: Fire resistance rating requirements for building elements

| Building Element | Fire-Resistance Rating (hours) |
|--|--------------------------------|
| Primary structural Frame | 2a, b |
| Bearing Walls | |
| Exterior | 2 |
| Interior | 2a |
| Nonbearing walls and partitions - Exterior | Table 602 |
| Nonbearing walls and partitions - Interior | 0 |
| Floor construction | 2 |
| Roof construction | 1b |

a. Roof Supports: fire-resistance ratings of primary structural frame and bearing walls are permitted to be reduced by 1hr where supporting a roof only.

b. Except in Group F-1, H, M and S-1 occupancies, fire protection of structural members in roof construction shall not be required, including protection of primary structural frame members, roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below.

Sprayed Fire-Resistive Materials

Structural Frame; including columns, girders, joists, trusses will use 2 hr, UL 263 or ASTM E119. See footnotes "a" and "b" to Table 601 above for more information.

FIRE PROTECTION AND LIFE SAFETY ANALYSIS, CONTINUED

Interior Finishes

IBC 803.2 - 803.12 Final finish selections to be reviewed to determine limits

IBC 803.1.2 Interior wall and ceiling finish ASTM E84 or UL 723

| Class | Flame spread index | Smoke-developed index |
|---------|-----------------------|-----------------------------|
| Class B | 26-75 | 0-450 |
| Class C | Flame spread index... | Smoke-developed index 0-450 |

IBC Table 803.13 Interior Wall and Ceiling Finish Requirements (Building fully sprinklered)

| Use Group | SPRINKLERED | | |
|-----------|------------------------|---------------------------|---------------------------|
| | Interior exit stairway | Corridors and exit access | Rooms and enclosed spaces |
| A-3 | B | B | C |
| B | B | C | C |
| S-1 | C | C | C |

IBC 806.2 Combustible decorative materials: Exception 4 window coverings are exempt from 10% limit
 IBC 806.7 Interior trim: Minimum Class C FSI/SDI and shall not exceed 10% of the specific wall or ceiling

Fire Protection and Life Safety Systems

IBC Section 903.2.1.3 Group A-3 Automatic Sprinkler System required, fire area on floor above level of exit discharge

IBC Section 903.2.9 Group S-1 Automatic Sprinkler System required, single area exceeds 12,000 sf and/ or combined area exceeds 24,000 SF

IBC Table 906.1 Additional extinguishers required for: Buildings under construction or demolition

NFPA 10 Fire Classes:

Class A Fire: Ordinary combustibles materials such as wood, cloth, paper, rubber and plastics
 Class B Fire: Flammable liquids, combustible liquids, and flammable gases
 Class C Fire: Energized electrical equipment
 Class D Fire: Combustible metals such as magnesium, titanium, zirconium, sodium, lithium, and potassium.
 Class K Fire: In cooking appliances that involve combustible cooking media (vegetable or animal oils and fats)

Table 906.3.1 CLASS A FIRE HAZARDS

| Basic Minimum Extinguisher Rating | Max floor area per unit of A | Maximum floor area | Maximum travel distance |
|-----------------------------------|------------------------------|--------------------|-------------------------|
| 2-A | 1500 SF | 11250 SF | 75 FT |

Table 906.3.2 CLASS B FIRE HAZARDS

| Basic Minimum Extinguisher Rating | Maximum travel distance |
|-----------------------------------|-------------------------|
| 10-B | 30 |
| 20-B | 50 |

Means of Egress

IBC Section 1003 Basic requirements: Ceiling height = 7'-6" min., protruding objects maximums, minimum clear width, slip resistant surface, changes in elevation <12" are a ramp, path of egress is continuous.

Occupant Load

IBC Table 1004.1.2 Maximum Floor Area Allowances Per Occupant

| Function | Project Area | Occupant Load Factor | Occupants #VALUE! |
|---|--------------|----------------------|-------------------|
| Business | tbd | 150 | |
| Business - Training (Accessory per IBC 303.1.2) | tbd | 20 | #VALUE! |
| Business - Concentrated | tbd | 50 | #VALUE! |

Means of Egress Sizing

| Occupants | Factor | Calculated Width (inches) |
|--|---------|---------------------------|
| IBC 1005.3.2 Means of Egress capacity factor 0.2" per occupant | #VALUE! | 0.2 |
| IBC 1010.1.1 Minimum Door Clear Width is 32" | | #VALUE! |

Means of Egress Quantity

IBC 1006.2.1 Two means of egress required if occupant load exceeds Table 1006.2.1

IBC Table 1006.2.1 Spaces with One Exit or Exit Access Doorway

| Occupancy | Max. Occ. Load | Calculated Occupants | Result |
|-----------|----------------|----------------------|-----------------------------|
| B | 49 | #VALUE! | More than 1 egress required |

IBC Table 1006.3.1 Minimum Number of Exits or Access to Exits per Story

| Occupant Load | Minimum Number of Exits |
|---------------|-------------------------|
| 1-500 | 2 |

Exit and Exit Access Configuration

IBC Section 1007.1.1 Distance apart = 1/3 length of diagonal dimension of building or area served when sprinklered

Diagonal dimension = 142'. Separation = 142/3 = 47'-4" Actual separation = >142'

IBC Table 1006.2.1 Maximum Common Path of Travel

Fully Sprinklered and Occupant Load > 30: B 100 feet

IBC Table 1017.2 Exit Access Travel Distance

Fully Sprinklered: B 300 feet 120

IBC Section 1028.5 The exit discharge shall provide a direct and unobstructed access to a public way

IBC Definition of Public Way: A parcel of land open to the outside air leading to a street, that has been appropriated to the public for public use.

Accessibility Requirements

Project incorporates the accessibility requirements of IBC Chapter 11, Americans With Disabilities Act of 1990, 2010 ADA Standards for Accessible Design with Georgia amendments

Energy Efficiency

IBC Section 1301.1.1 Building to be designed in accordance with IECC.

IECC Figure C301.1: Richmond County = Climate Zone 3A

Exterior Walls

IBC Section 2510 & 2512 Exterior Portland Cement Plaster (Stucco) to meet ASTM C926 & ASTM C1063.

IBC Section 1404.3.4: Brick veneer airspace, 1404.4.2: Anchored veneer flashing, 1404.6: Anchored masonry veneer

IBC Section 1807.1.6.3: Masonry foundation wall requirements

Roof Assemblies & Rooftop Structures

IBC Section 1504.3.1 Membrane Roof Systems tested in accordance with FM 4474 or UL 580, or UL 1897

IBC Table 1505.1 Minimum Roof Covering Classification: Type of Construction IB = Class B Roof Assembly

IBC Section 1507.4.2 Minimum slope for metal roof panels with applied lap sealant = 1/2 unit V:12 units H

IBC Section 1507.4.3.1 ASTM A653 G-90 zinc coated (galvanized) or ASTM A792 AZ 50 (Aluminum-zinc alloy coated steel) metal roof panel



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AUGUSTA REGIONAL AIRPORT CHECKPOINT MODERNIZATION

1501 AVIATION WAY, AUGUSTA, GA 30906

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MSH NO.: 0119700-231215.02
 DATE: 09/13/2024
 DESIGNED BY: DR
 DRAWN BY: CL
 CHECKED BY: DR

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SHEET CONTENTS
 CODE ANALYSIS
 SCHEDULE

SHEET NO.:

G-011



09/13/2024

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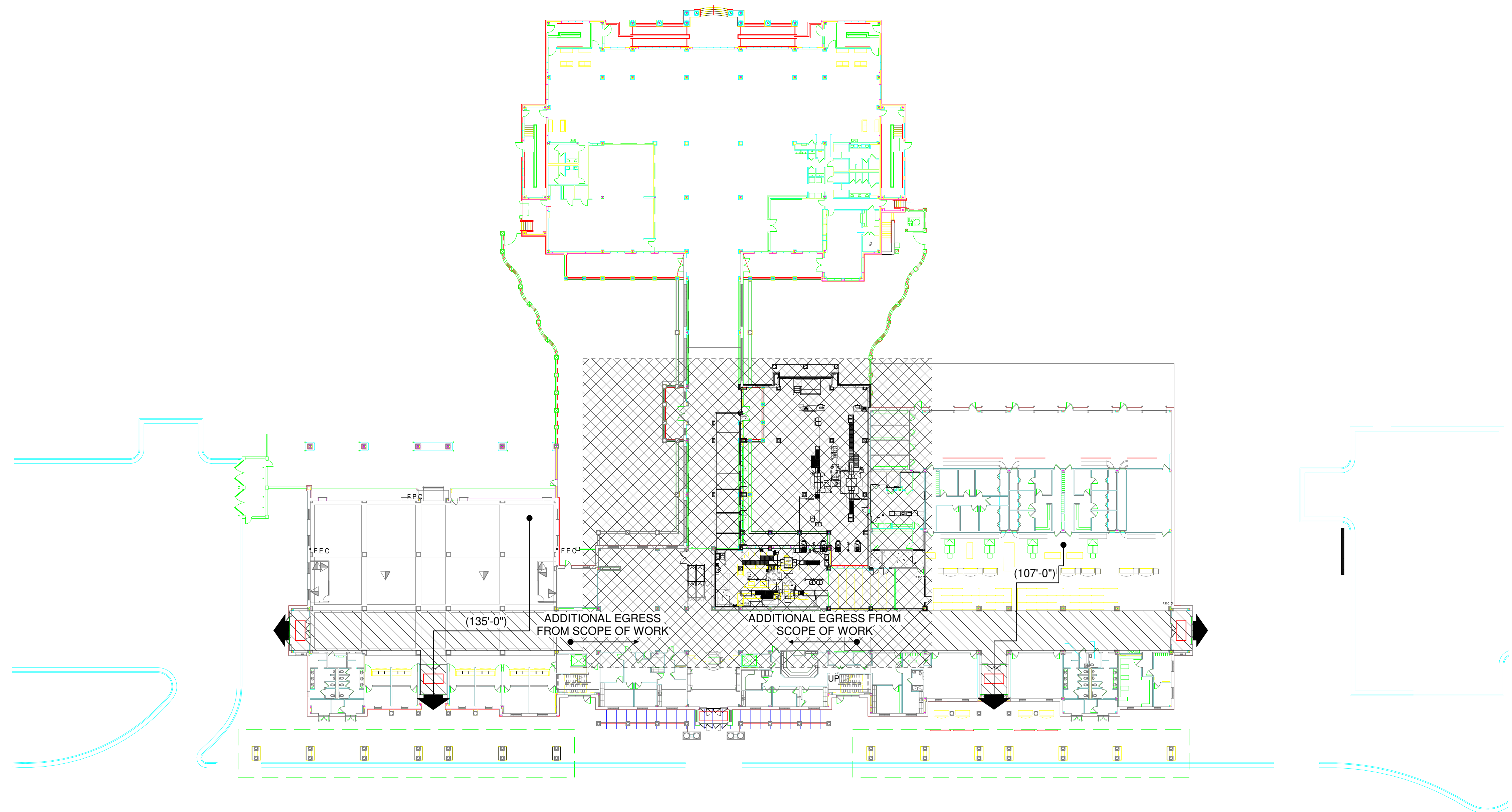


CODE PLAN LEGEND:

- AREA EXIT
- EXIT PATHWAYS
- (250'-0") EXIT DISTANCE TRAVELED
- F.E.C. FIRE EXTINGUISHER - CABINET
- AREA OF WORK

THIS IS AN EQUIPMENT REPLACEMENT AND INTERIOR FINISHES PROJECT- NO CHANGE IN OCCUPANCY, USE OR EGRESS, ALL EXISTING FIRE RATINGS, EXITS AND SEPARATIONS ARE MAINTAINED.

REFERENCE EXISTING PROJECT DOCUMENTS "TERMINAL AREA IMPROVEMENTS PROJECT, THE LPA DESIGN GROUP, DATED AUGUST 2004.



TRUE PLAN
NORTH NORTH
 1
LIFE SAFETY PLAN
1/32" = 1'-0"

**AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION**

1501 AVIATION WAY, AUGUSTA, GA 30906

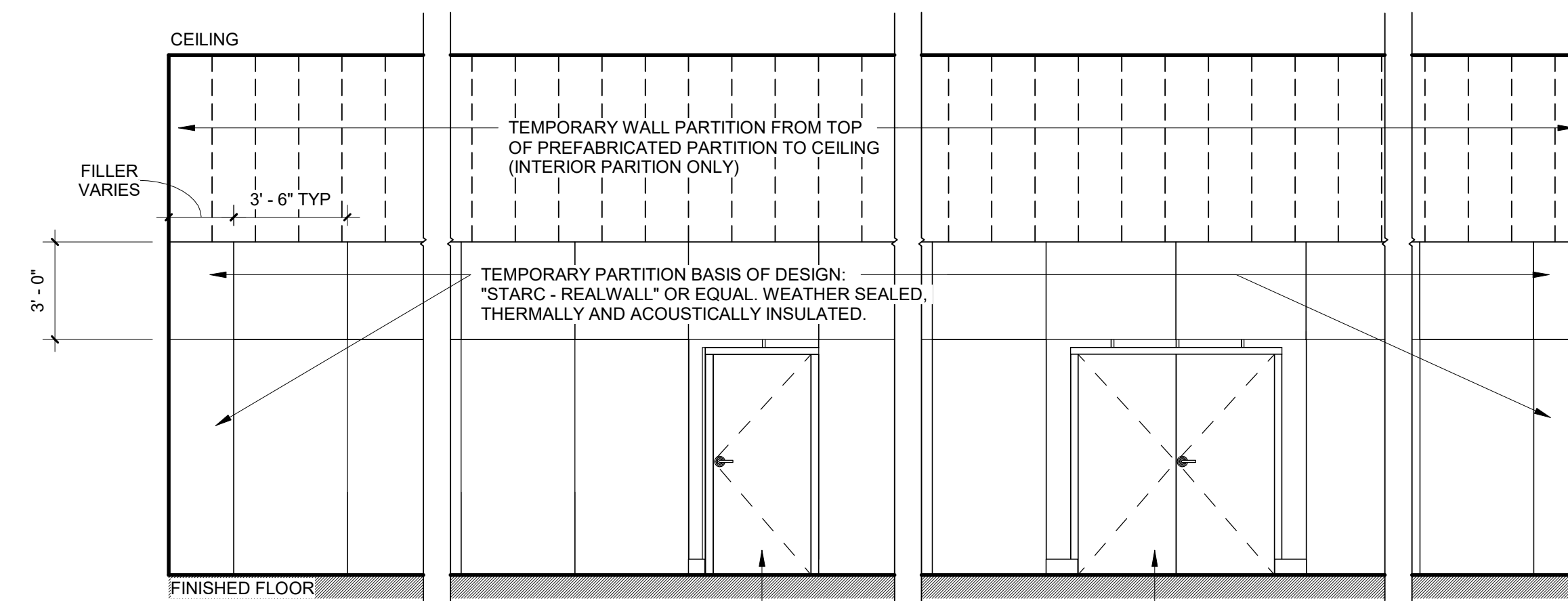
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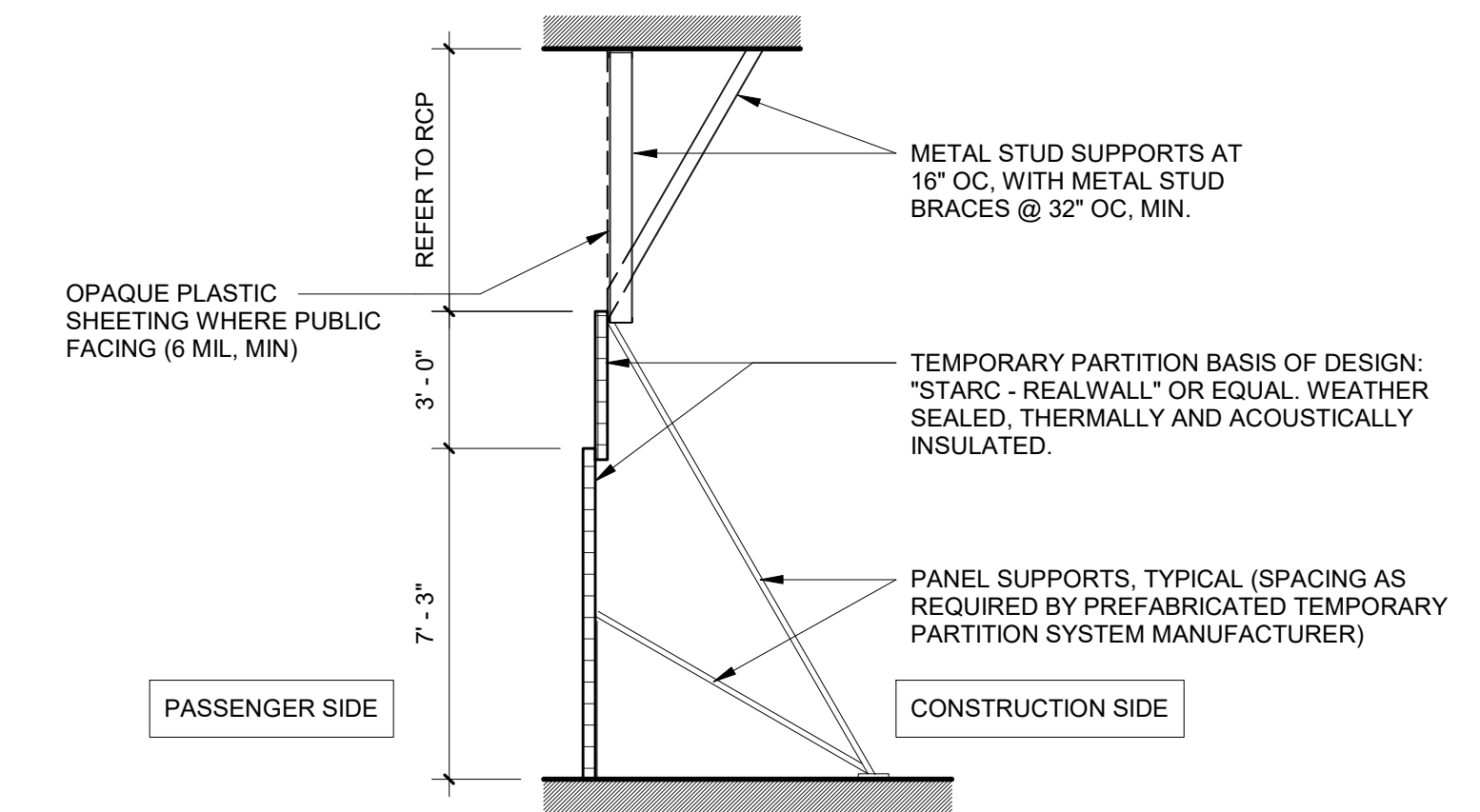
SHEET CONTENTS
LIFE SAFETY PLAN

SHEET NO.:

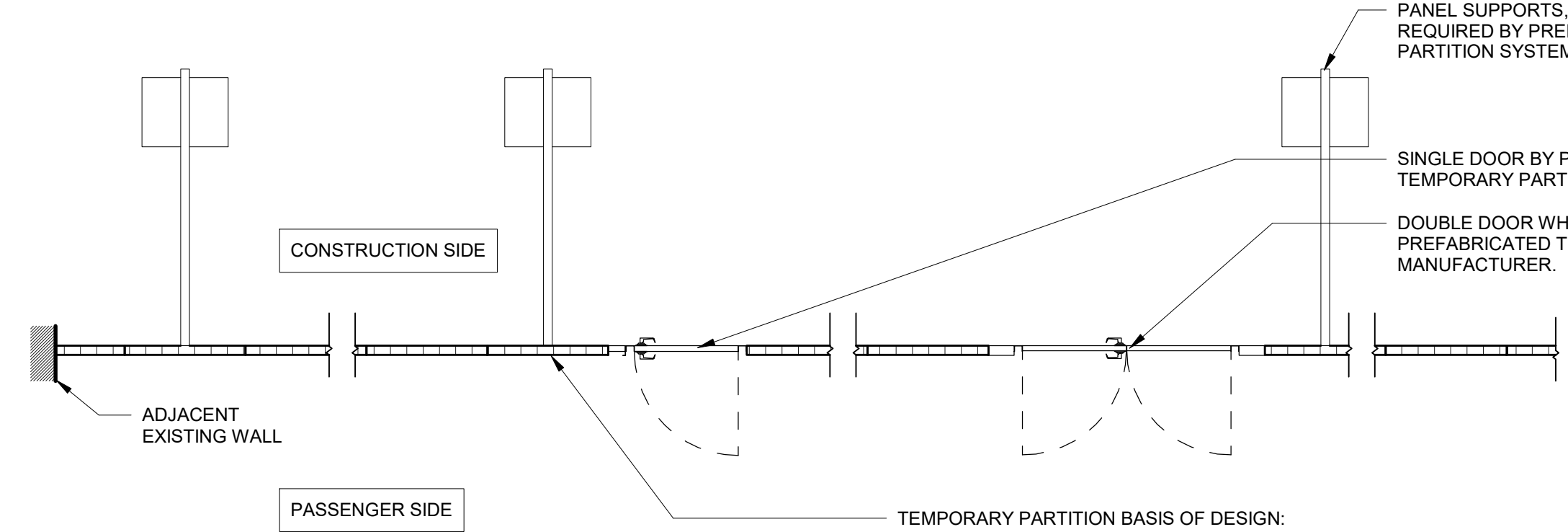
G-021



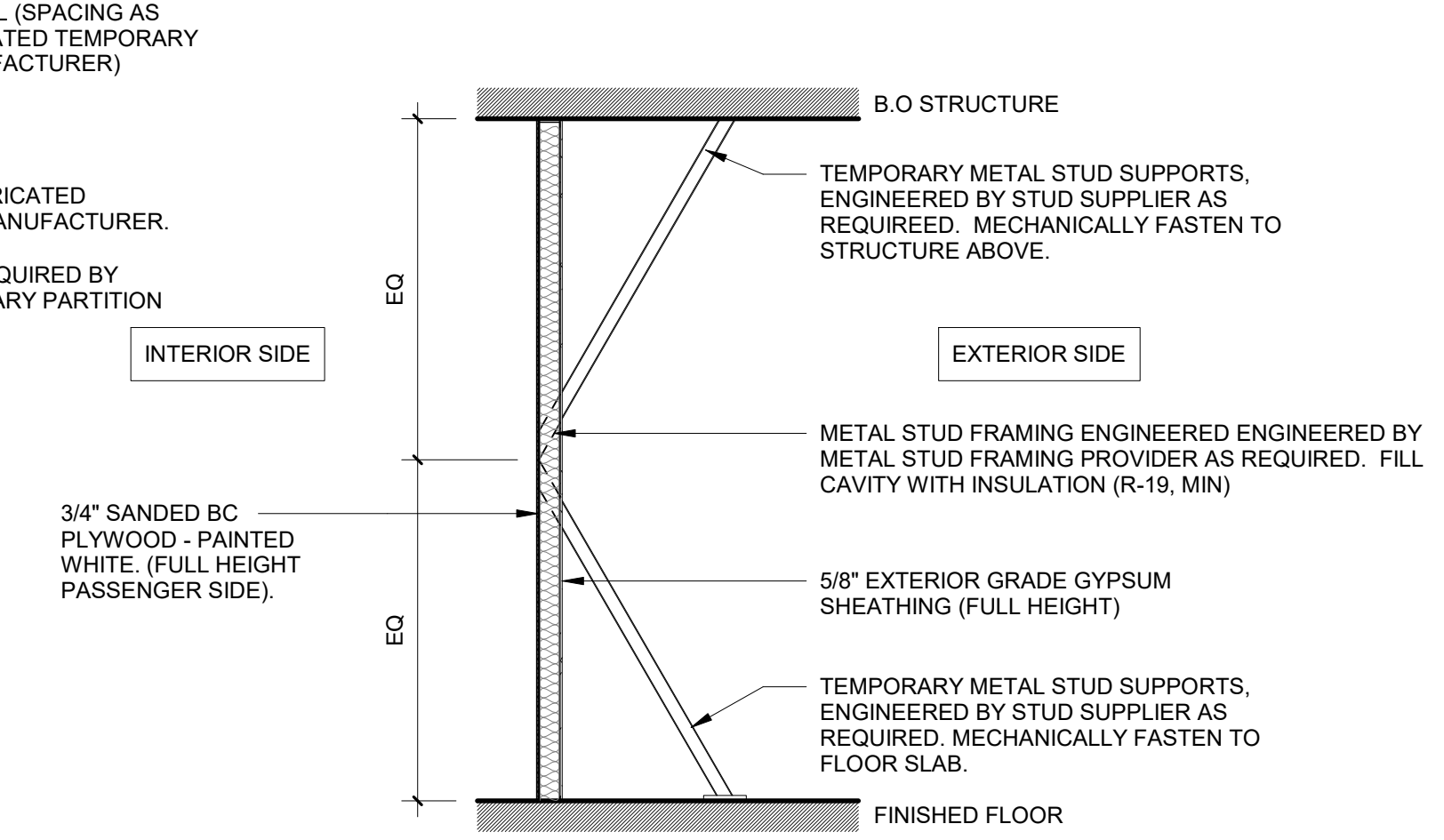
ELEVATION (INTERIOR PARTITIONS)
SINGLE DOOR BY PREFABRICATED TEMPORARY PARTITION MANUFACTURER.
DOUBLE DOOR WHERE REQUIRED BY PREFABRICATED TEMPORARY PARTITION MANUFACTURER.



WALL SECTION @ INTERIOR TEMPORARY WALLS



FLOOR PLAN (INTERIOR PARTITIONS)
NOTE: OTHER SWING AND HARDWARE OPTIONS ARE AVAILABLE, CONTACT MANUFACTURER



WALL SECTION @ EXTERIOR TEMPORARY WALLS

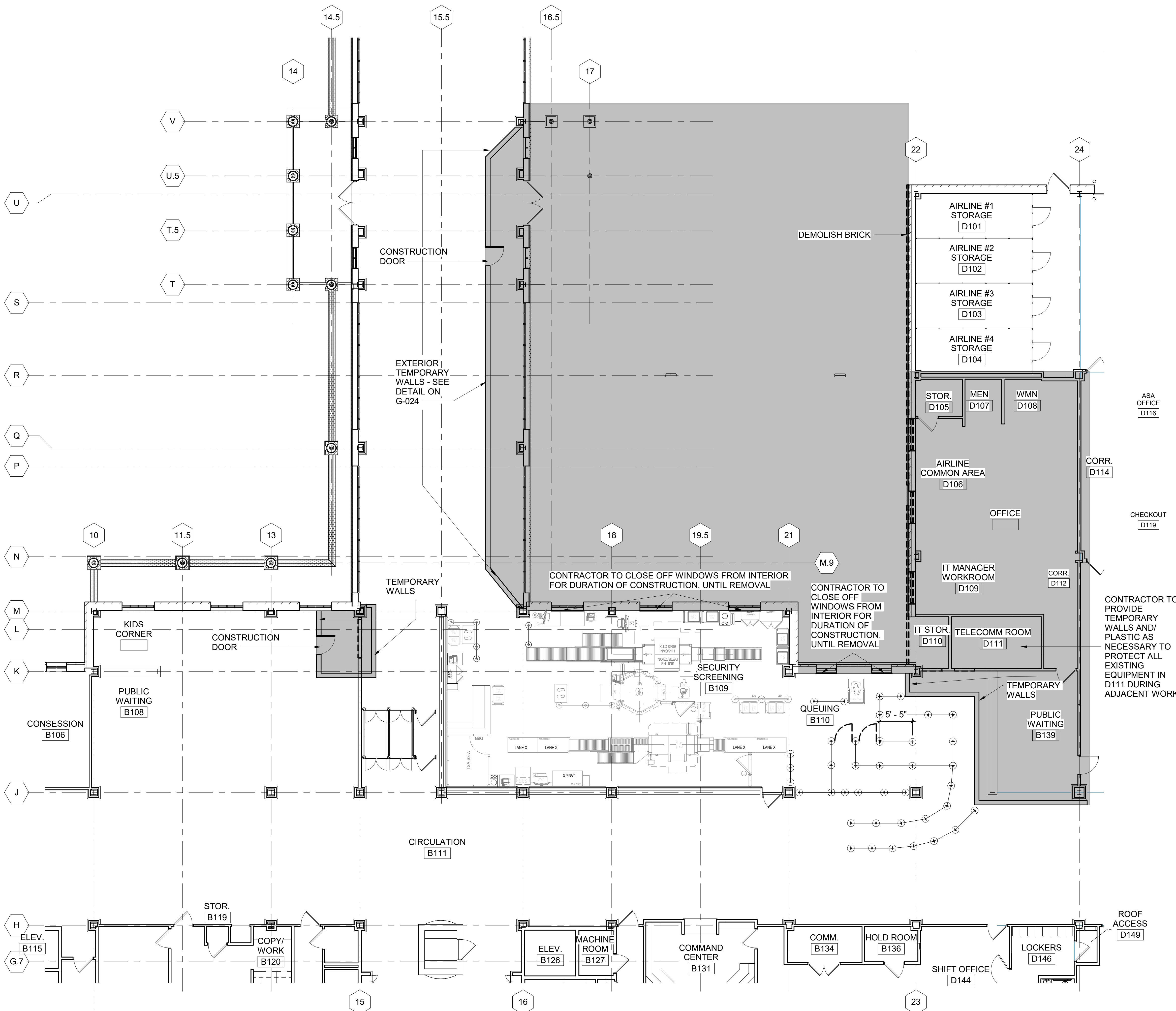
1 TEMPORARY CONSTRUCTION WALL DETAILS
1/4" = 1'-0"

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MSH NO.: 0119700-231215.02
DATE: 09/13/2024
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
DO NOT SCALE DRAWINGS

SHEET CONTENTS
CONSTRUCTION
PHASING PLAN
DETAILS

SHEET NO.:



TEMPORARY CONSTRUCTION AND PHASING GENERAL NOTES:

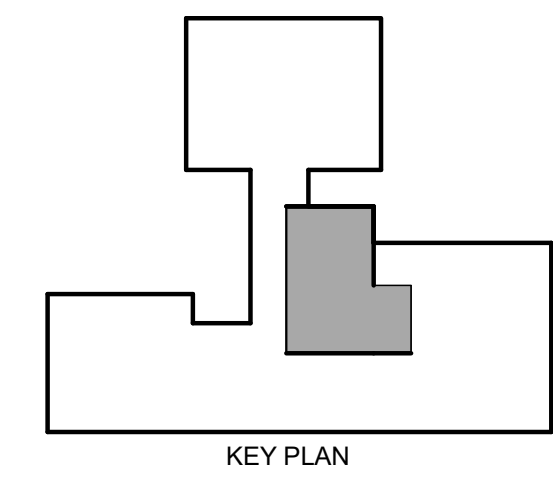
1. THE PHASING PLAN PROVIDED IS AN OUTLINE ONLY AND MEANT TO ESTABLISH GUIDELINES FOR WORK SEQUENCING AND BUILDING TIME. ADDITIONAL SUBPHASING MAY BE REQUIRED TO COMPLETE THE WORK. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A WORK SCHEDULE AND FULL SEQUENCING PLAN TO THE OWNER PRIOR TO BEGINNING CONSTRUCTION. FACILITY DOWNTIME AND IMPACT TO EXISTING OPERATIONS SHALL BE MINIMIZED AS MUCH AS POSSIBLE. INTERRUPTIONS TO UTILITIES AND BUILDING SERVICE OPERATIONS MUST BE CLEARLY COMMUNICATED IN THE UP-FRONT SCHEDULE TO THE OWNER FOR APPROVALS.
2. THE TERMINAL BUILDING IS TYPICALLY OCCUPIED AND ACTIVE WITH AIRLINE & PASSENGER ACTIVITY EVERY DAY. CONSTRUCTION OPERATIONS THAT ARE NOISY, DUSTY OR OTHERWISE INTERFERE WITH TERMINAL OPERATIONS SHALL BE COMPLETED AS "NIGHT WORK" AND COORDINATED W/ THE OWNER AND ARCHITECT/ENGINEER. SOME NIGHT WORK WILL BE ALLOWED TO BEGIN AFTER THE LAST DEPARTING FLIGHT.
3. REPAIR ANY DAMAGE BY TEMPORARY CONSTRUCTION ACCORDING TO SECTION 01 73 00.
4. COORDINATE PHASING AND TEMPORARY CONSTRUCTION WITH WORK SHOWN ON ALL DISCIPLINES DRAWINGS.
5. PROVIDE TEMPORARY NON-ILLUMINATED SIGNAGE WHEN MODULAR BARRIERS OR TEMPORARY WALLS OBSCURE OR DISPLACE PERMANENT SIGNAGE AND AS REQUIRED TO PROVIDE DIRECTIONS TO THE PUBLIC. ACCEPTABLE MATERIALS FOR THE TEMPORARY SIGNS INCLUDE VINYL BANNERS WITH A CONTINUOUS RIGID FRAME (EXAMPLE: ALUM. BAR STOCK OR ANGLE FRAME PAINTED TO MATCH FACE OF SIGN) OR TEMPORARY RE-USE OF EXISTING ACRYLIC FACES. SUSPEND TEMPORARY SIGNS IN THE SAME LOCATION OR MOUNTED ON THE CONSTRUCTION BARRIER. COORDINATE TEMPORARY SIGNAGE W/ OWNER AND ARCHITECT/ENGINEER.
6. EACH PHASE MUST BE SUBSTANTIALLY COMPLETE AND THE AREA CLEANED AND ACCEPTABLE FOR PUBLIC USE BEFORE BEGINNING THE NEXT PHASE.
7. PULL, STORE AND REPLACE EXISTING CARPET SQUARES AND PROTECT EXISTING FLOORING DURING CONSTRUCTION.
8. REMOVE AND REINSTALL ACP, GRID AND LIGHTING AS REQUIRED. REPLACE ANY DAMAGED MATERIAL IN KIND TO MATCH EXISTING.
9. EXACT LOCATION OF TEMPORARY PARTITIONS TO BE DETERMINED IN THE FIELD.

CONSTRUCTION PHASING LEGEND:



9/13/2024 3:17:36 PM C:\Revit Local\231215.02-A-R24_Phasing\EditL_knutika.bharathrai.rvt

TRUE PLAN NORTH NORTH
1
CONSTRUCTION PHASING PLAN - PHASE 1: DEMOLITION
1/8" = 1'-0"

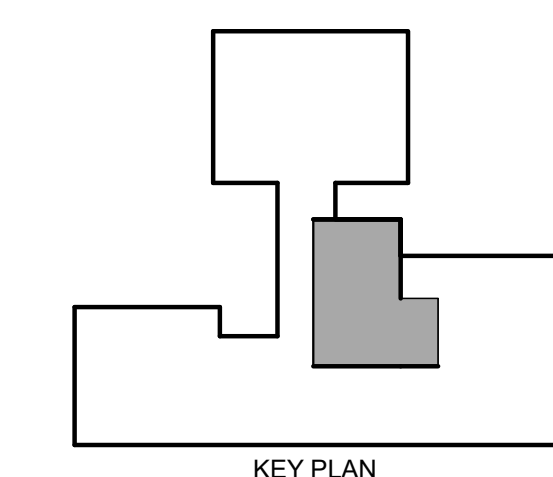
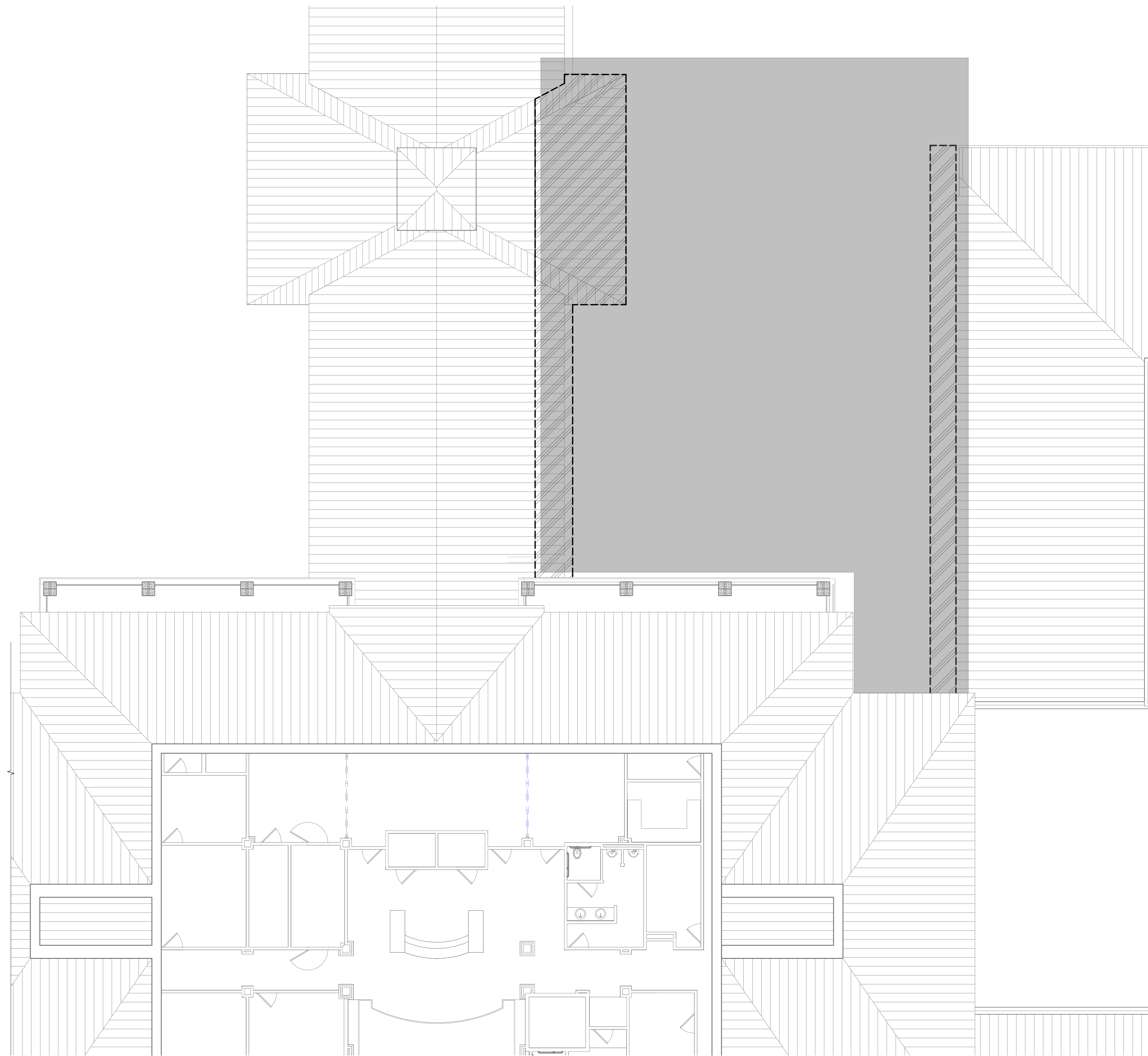


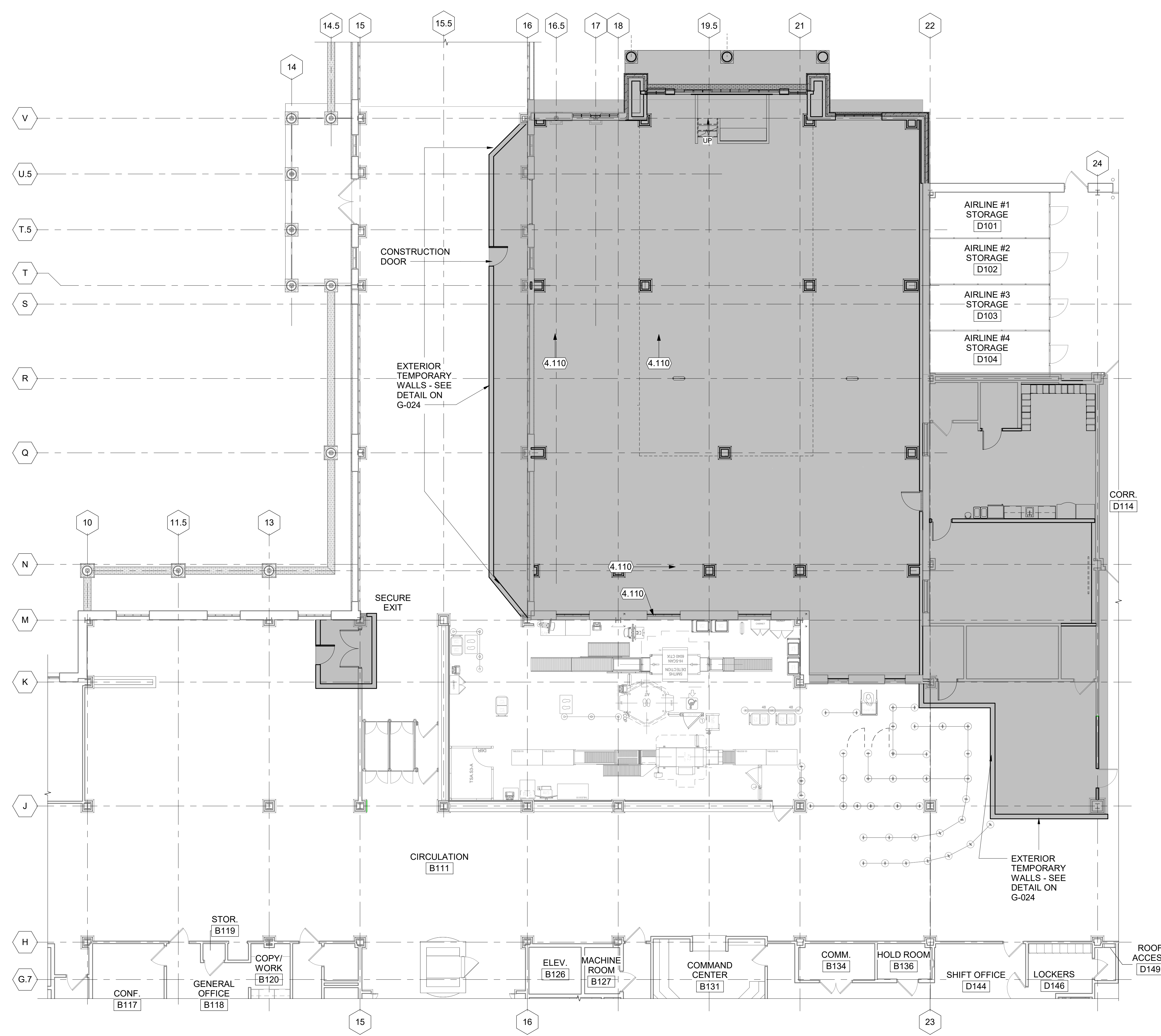
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9. EXACT LOCATION OF TEMPORARY PARTITIONS TO BE DETERMINED IN THE FIELD.

CONSTRUCTION PHASING LEGEND:

 AREA OF WORK THIS PHASE



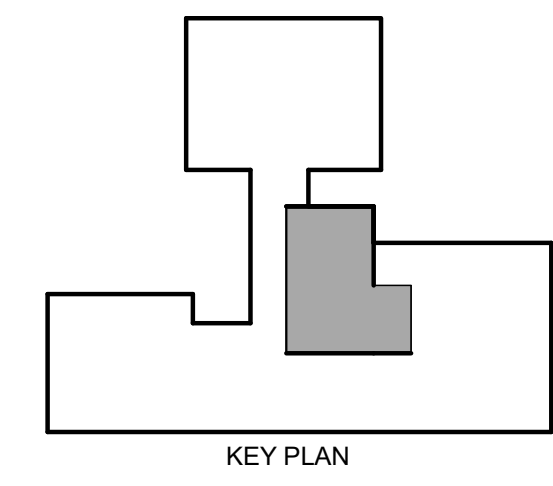


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CONSTRUCTION PHASING LEGEND:

■ AREA OF WORK THIS PHASE



Mead & Hunt
 Mead & Hunt, Inc.
 878 South Lake Drive
 Lexington, SC 29072
 phone: 803-996-2900
 meadhunt.com

STATE OF GEORGIA
 JAMES K. GODDARD
 REGISTERED ARCHITECT
 09/13/2024

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AGS AUGUSTA REGIONAL AIRPORT

**AUGUSTA REGIONAL AIRPORT
 CHECKPOINT MODERNIZATION**

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED
 09/13/24 BID SET

MSH NO.: 0119700-231215.02
 DATE: 09/13/2024
 DESIGNED BY: DR
 DRAWN BY: CL
 CHECKED BY: DR
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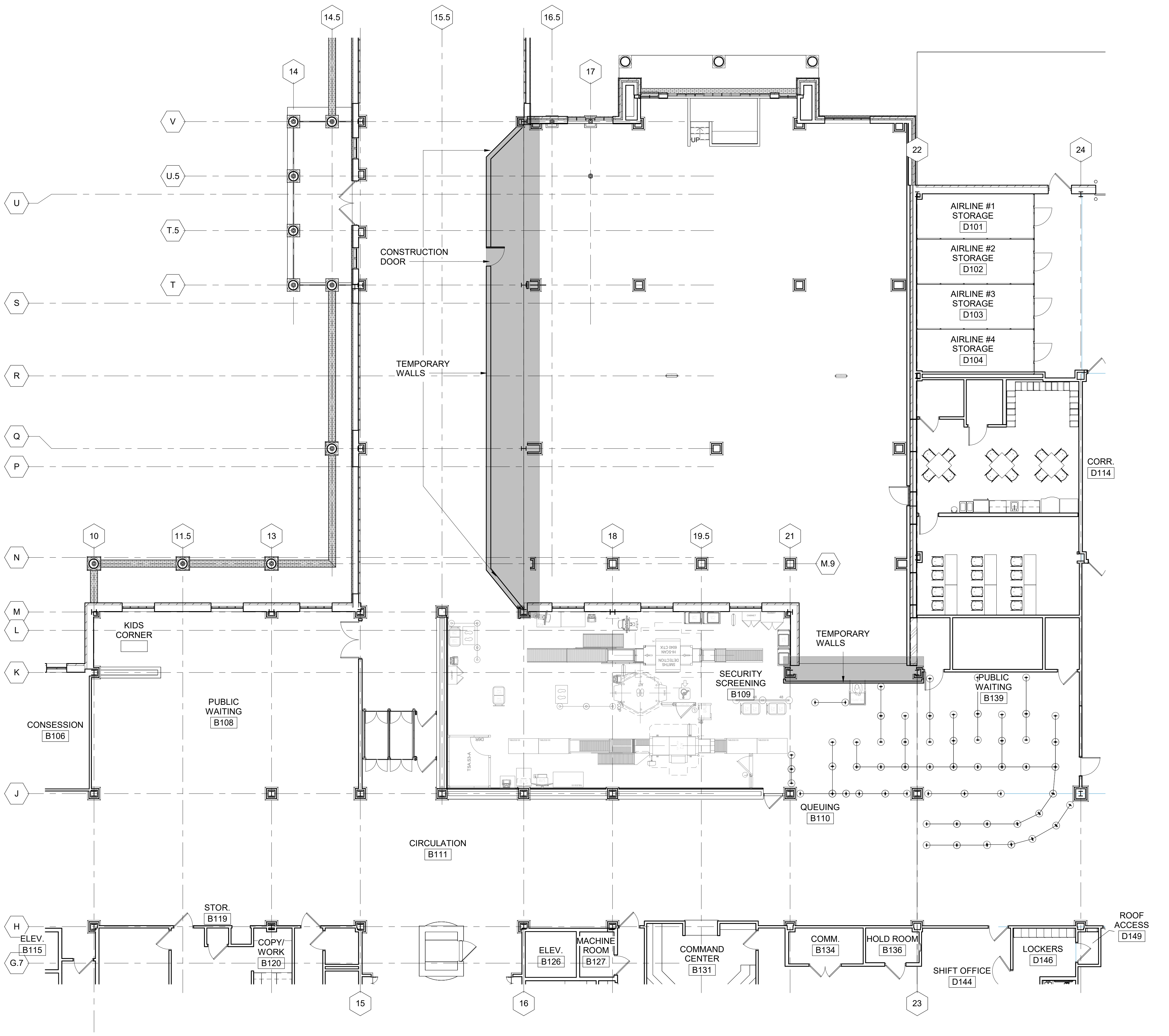
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 CONSTRUCTION PHASING PLAN 2

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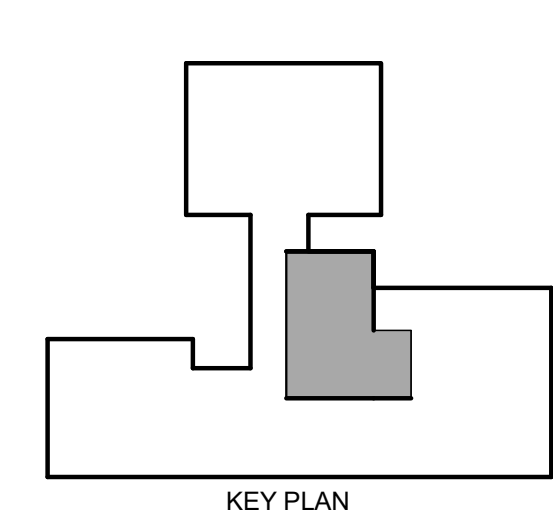
TRUE PLAN
 NORTH NORTH
 1
CONSTRUCTION PHASING PLAN - PHASE 2: RENOVATION
 1/8" = 1'-0"



TEMPORARY CONSTRUCTION AND PHASING GENERAL NOTES:

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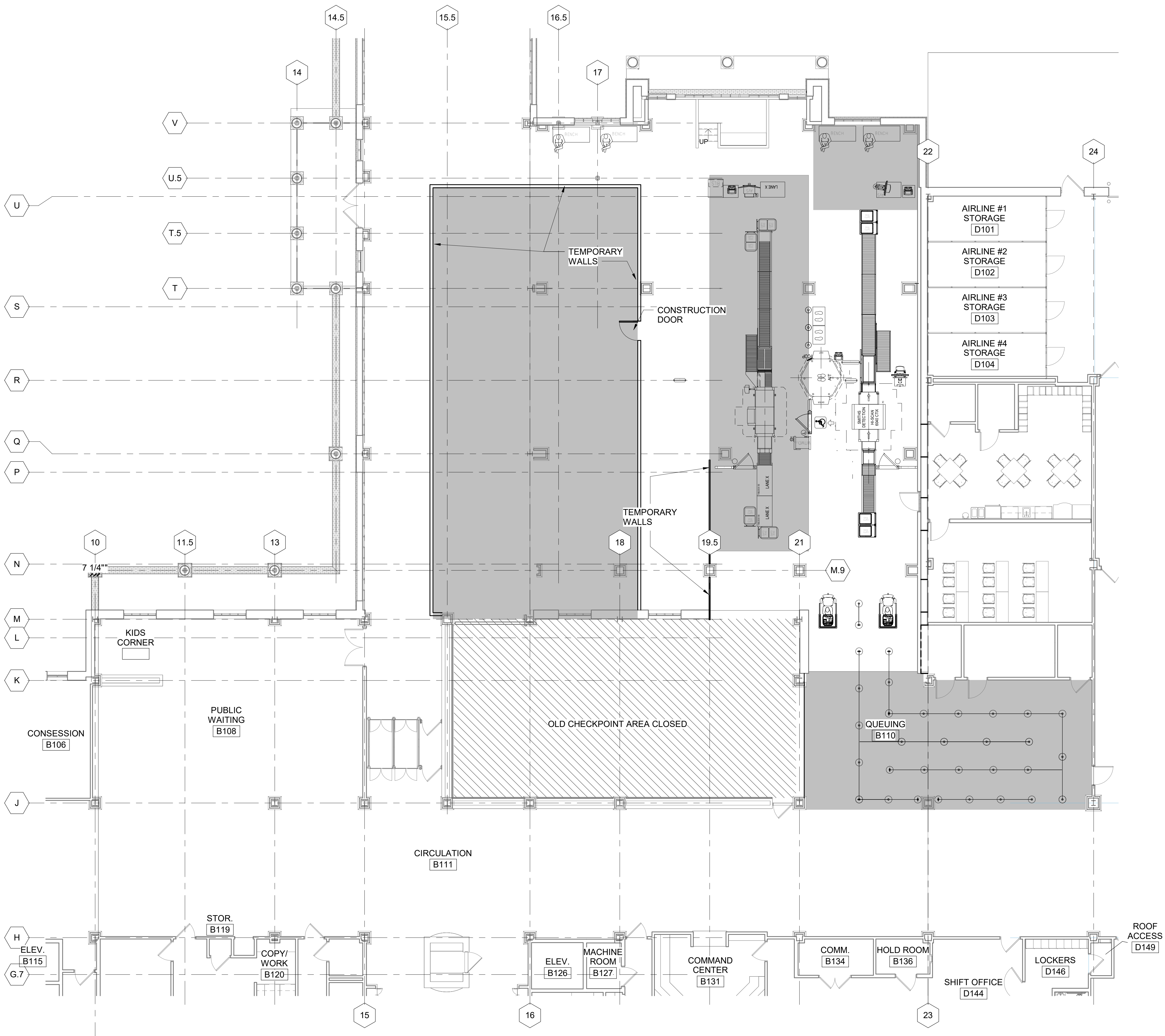
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1 CONSTRUCTION PHASING PLAN - PHASE 3: DEMOLITION
 1/8" = 1'-0"

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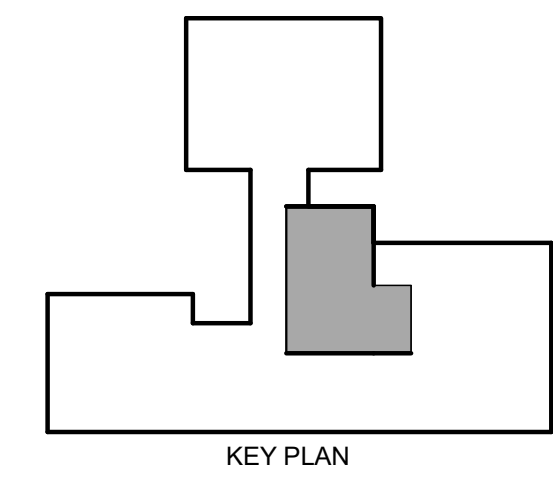


CONSTRUCTION PHASING PLAN - PHASE 4B: RENOVATION & CHECKPOINT LANE 2 RELOCATION

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CONSTRUCTION PHASING LEGEND:



Mead & Hunt
 Mead & Hunt, Inc.
 878 South Lake Drive
 Lexington, SC 29072
 phone: 803-996-2900
 meadhunt.com



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AUGUSTA REGIONAL AIRPORT CHECKPOINT MODERNIZATION

1501 AVIATION WAY, AUGUSTA, GA 30906

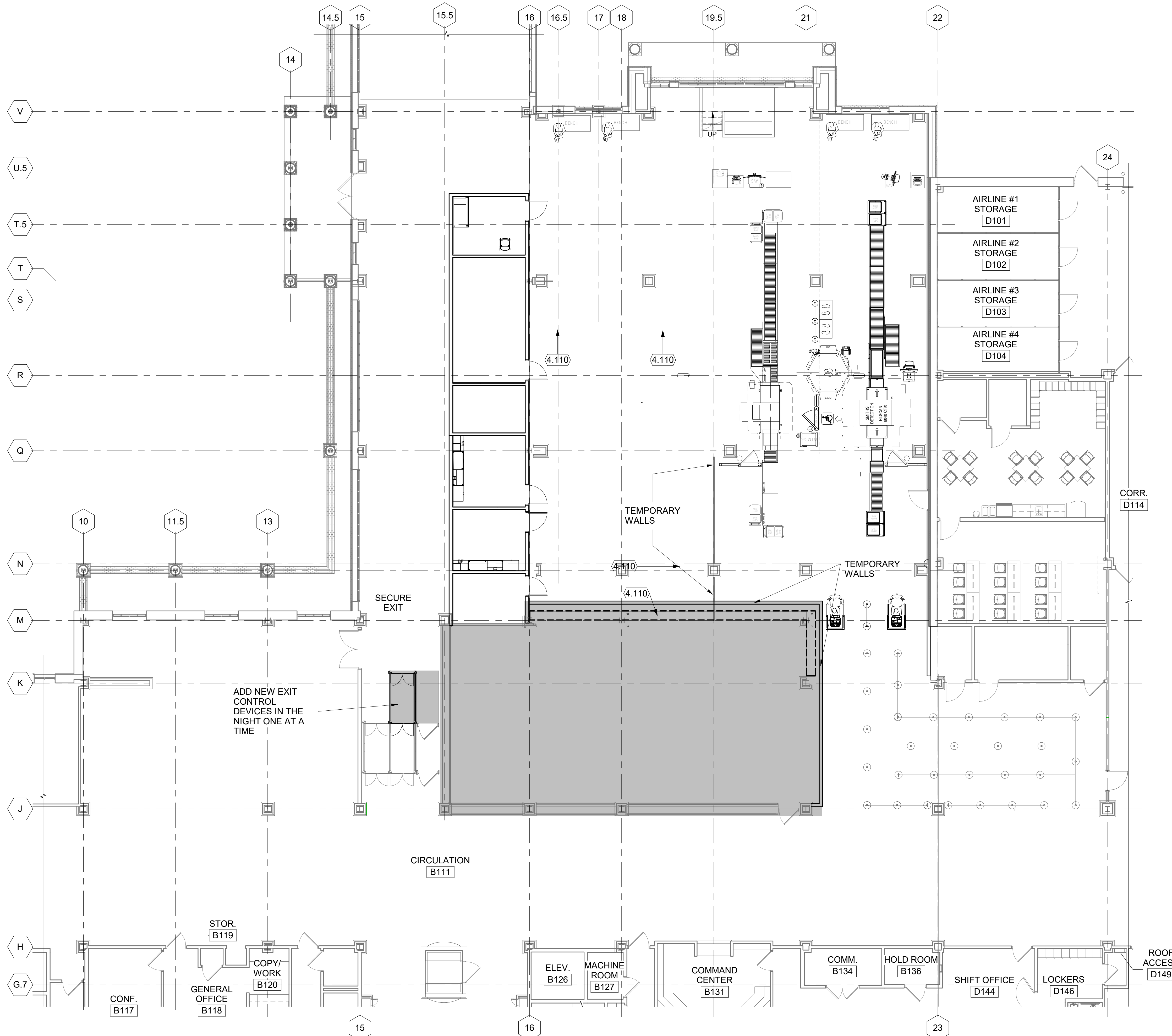
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MSH NO.: 0119700-231215.02
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 DRAWN BY: CL
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SHEET CONTENTS CONSTRUCTION PHASING PLAN 5

SHEET NO.:

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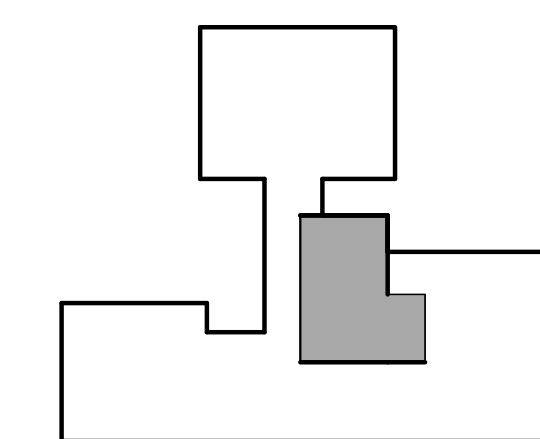


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CONSTRUCTION PHASING LEGEND:

■ AREA OF WORK THIS PHASE



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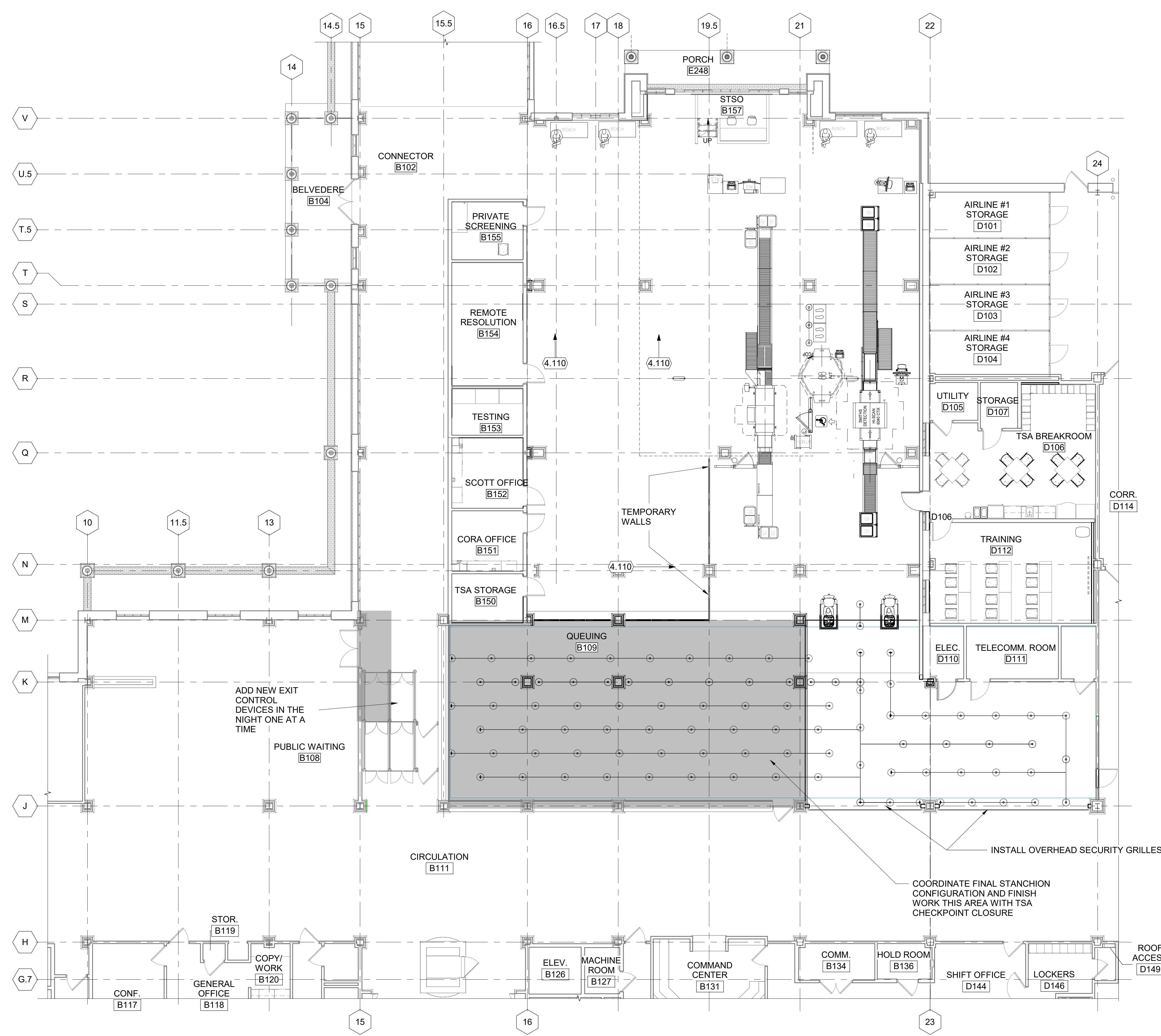
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SHEET CONTENTS
CONSTRUCTION PHASING PLAN 6

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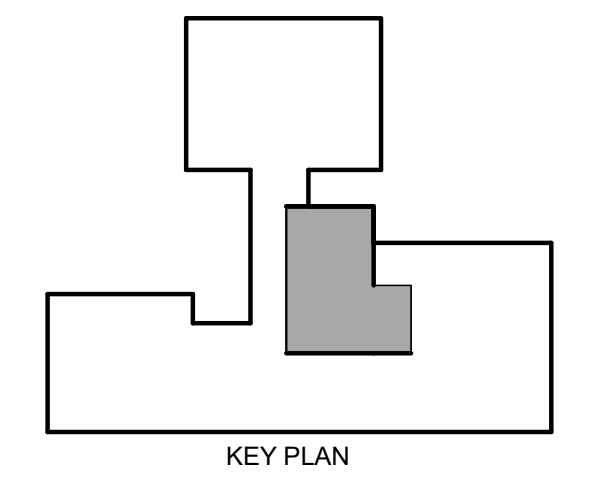




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AUGUSTA REGIONAL AIRPORT CHECKPOINT MODERNIZATION
 1501 AVIATION WAY, AUGUSTA, GA 30906

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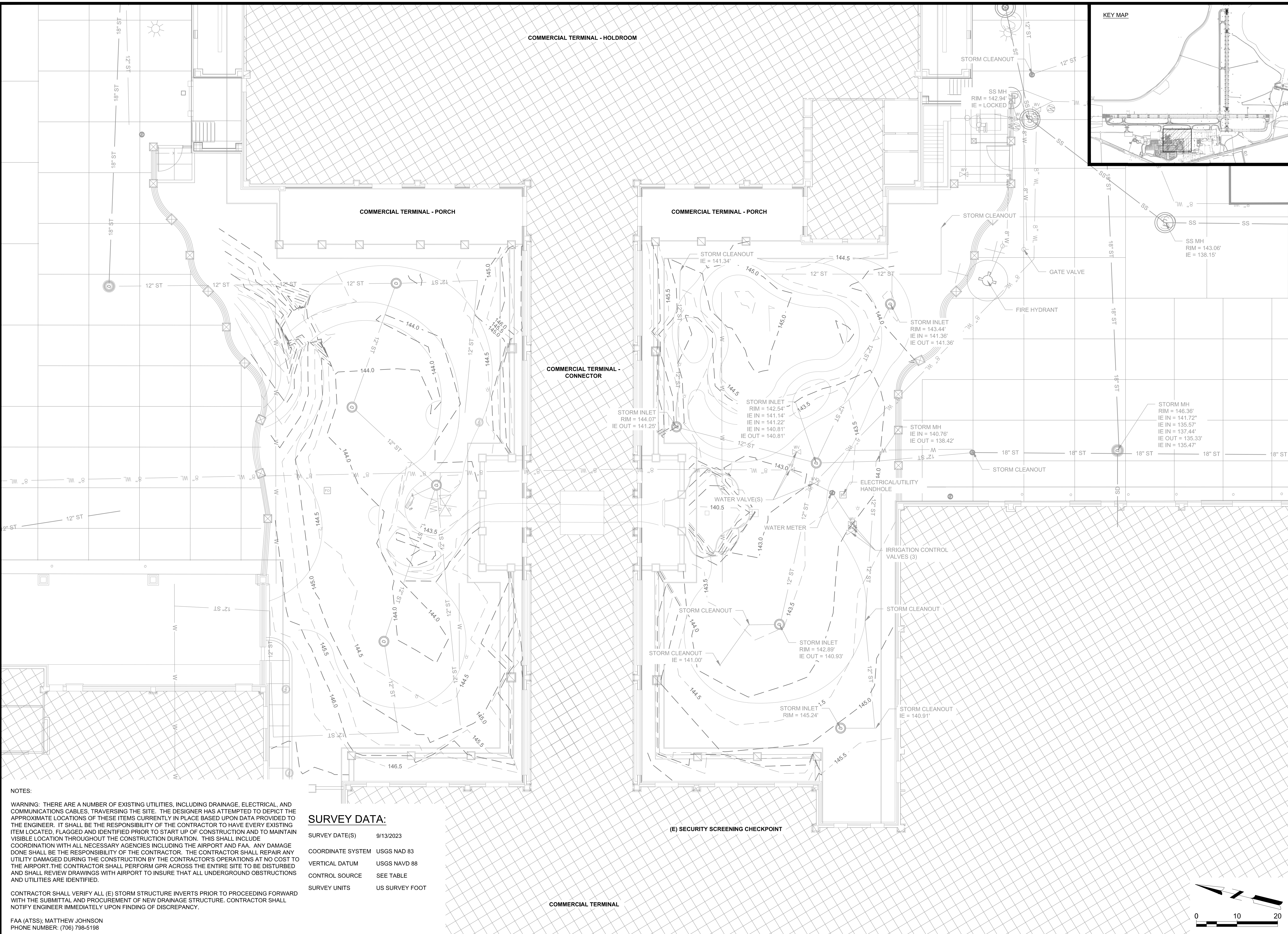
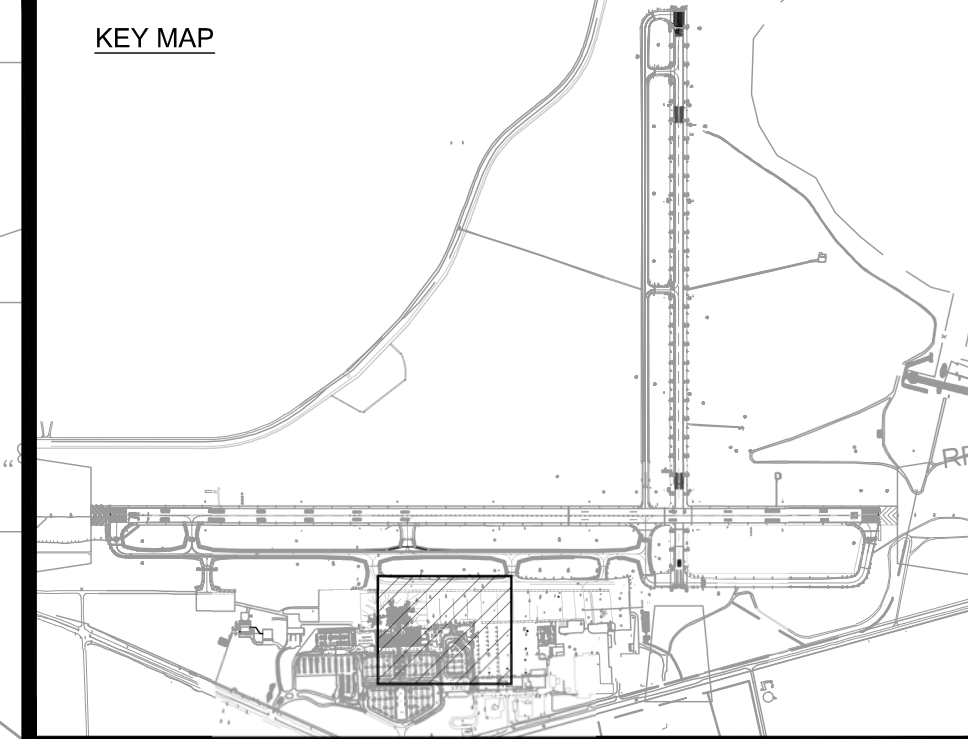
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SHEET CONTENTS
 CONSTRUCTION PHASING PLAN 7

SHEET NO.:

G-033

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NOTES:

WARNING: THERE ARE A NUMBER OF EXISTING UTILITIES, INCLUDING DRAINAGE, ELECTRICAL, AND COMMUNICATIONS CABLES, TRAVERSING THE SITE. THE DESIGNER HAS ATTEMPTED TO DEPICT THE APPROXIMATE LOCATIONS OF THESE ITEMS CURRENTLY IN PLACE BASED UPON DATA PROVIDED TO THE ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY EXISTING ITEM LOCATED, FLAGGED AND IDENTIFIED PRIOR TO START UP OF CONSTRUCTION AND TO MAINTAIN VISIBLE LOCATION THROUGHOUT THE CONSTRUCTION DURATION. THIS SHALL INCLUDE COORDINATION WITH ALL NECESSARY AGENCIES INCLUDING THE AIRPORT AND FAA. ANY DAMAGE DONE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY UTILITY DAMAGED DURING THE CONSTRUCTION BY THE CONTRACTOR'S OPERATIONS AT NO COST TO THE AIRPORT. THE CONTRACTOR SHALL PERFORM GPR ACROSS THE ENTIRE SITE TO BE DISTURBED AND SHALL REVIEW DRAWINGS WITH AIRPORT TO INSURE THAT ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES ARE IDENTIFIED.

CONTRACTOR SHALL VERIFY ALL (E) STORM STRUCTURE INVERTS PRIOR TO PROCEEDING FORWARD WITH THE SUBMITTAL AND PROCUREMENT OF NEW DRAINAGE STRUCTURE. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY UPON FINDING OF DISCREPANCY.

FAA (ATSS), MATTHEW JOHNSON
PHONE NUMBER: (706) 798-5198

SURVEY DATA:

| | |
|-------------------|----------------|
| SURVEY DATE(S) | 9/13/2023 |
| COORDINATE SYSTEM | USGS NAD 83 |
| VERTICAL DATUM | USGS NAVD 88 |
| CONTROL SOURCE | SEE TABLE |
| SURVEY UNITS | US SURVEY FOOT |

**AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION**

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
9/13/24 BID SET

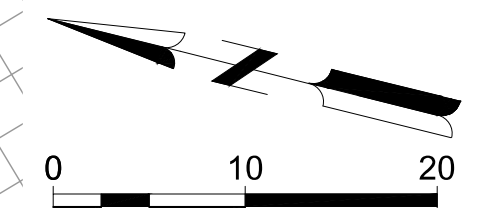


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CHECKED BY: EJS
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SHEET CONTENTS
EXISTING CONDITIONS

SHEET NO.
G-031



COORDINATION

1. PRECONSTRUCTION CONFERENCE.

- A PRECONSTRUCTION CONFERENCE WILL BE CONVENED AND CONDUCTED BY THE AIRPORT AND CONSTRUCTION ADMINISTRATION TEAM (CA TEAM). THIS CONFERENCE WILL BE USED TO DISCUSS OPERATIONAL SAFETY, TESTING, QUALITY CONTROL, QUALITY ACCEPTANCE, SECURITY, SAFETY, LABOR REQUIREMENTS, ENVIRONMENTAL FACTORS, AND OTHER FACTORS THAT WILL PERTAIN TO THIS CONSTRUCTION PROJECT.
- THE PRECONSTRUCTION CONFERENCE WILL BE CONDUCTED AS SOON AS PRACTICABLE AFTER THE CONTRACT HAS BEEN AWARDED AND HELD BEFORE THE NOTICE TO PROCEED IS GIVEN TO THE CONTRACTOR.
- PARTICIPANTS IN THE PRECONSTRUCTION CONFERENCE SHALL INCLUDE: AIRPORT STAFF, AIRPORT OPERATIONS, DESIGN TEAM, CONSTRUCTION ADMINISTRATION TEAM, FAA AIR TRAFFIC CONTROL, CONTRACTOR, AND SUBCONTRACTORS.
- THE INFORMATION COVERED IN THIS MEETING WILL FOLLOW THE GUIDELINES OUTLINED IN AC 150/5300-9B, "PREDESIGN, PREBID, AND PRECONSTRUCTION CONFERENCES FOR AIRPORT GRANT PROJECTS."

2. CONTRACTOR PROGRESS MEETINGS

- A DURING THE DURATION OF THE PROJECT, WEEKLY CONTRACTOR PROGRESS MEETINGS WILL BE HELD AND CONDUCTED BY THE CONSTRUCTION ADMINISTRATION TEAM.
- THE PROGRESS MEETINGS WILL COVER PROJECT SCHEDULE, CONSTRUCTION SAFETY, ISSUES, ETC.

3. FAA AIR TRAFFIC CONTROL ORGANIZATION COORDINATION

- A COMMUNICATION WITH THE FAA AIR TRAFFIC CONTROL TOWER WILL BE COORDINATED BY THE AIRPORT STAFF, CONSTRUCTION ADMINISTRATION TEAM AND/OR THE AIRPORT OPERATIONS DIVISION.
- THE FAA AIR TRAFFIC CONTROL TOWER PERSONNEL WILL BE INVITED TO ATTEND THE PRECONSTRUCTION CONFERENCE AT WHICH TIME THE OVERALL CONSTRUCTION SCHEDULE WILL BE PRESENTED.
- A MEETING WILL BE SCHEDULED WITH THE FAA AIR TRAFFIC CONTROL PERSONNEL PRIOR TO THE START OF EACH MAJOR CONSTRUCTION PHASE WHICH SIGNIFICANTLY IMPACTS/MODIFIES AIRFIELD CLOSURES THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT. PARTICIPANTS IN THESE MEETINGS SHALL INCLUDE: AIRPORT STAFF, AIRPORT OPERATIONS, DESIGN TEAM, CONSTRUCTION ADMINISTRATION TEAM, FAA AIR TRAFFIC CONTROL, CONTRACTOR, AND SUBCONTRACTORS.

CONTRACTOR ACCESS

CONSTRUCTION SITE ACCESS AND HAUL ROAD

- HAUL ROADS TO BE USED ON THIS PROJECT ARE IDENTIFIED ON THE DRAWINGS OR OTHERWISE SPECIFICALLY AUTHORIZED BY THE CA TEAM. THE CONTRACTOR SHALL CONFINE ALL VEHICLES AND EQUIPMENT TO THE DESIGNATED CONSTRUCTION AREAS, STAGING AREAS AND HAUL ROUTES.
- ACCESS POINTS TO THE PROJECT SITE ARE SHOWN ON THE DRAWINGS. THE SPECIFIED GATES SHALL BE MONITORED BY A CONTRACTOR SUPPLIED GUARD DURING ALL CONTRACTOR OPERATIONS WHILE THE GATE IS OPEN OR UNLOCKED.
- THE CONTRACTOR SHALL RESTORE ALL TURFED AND PAVED AREAS USED FOR HAUL ROADS TO THEIR ORIGINAL CONDITION, INCLUDING ESTABLISHMENT OF NEW TURF. ALL COSTS FOR CONSTRUCTING, REMOVING, AND RESTORING OF HAUL ROADS REQUIRED FOR THE COMPLETION OF THE WORK SHALL BE BY THE CONTRACTOR UNDER MOBILIZATION. THE EXISTING CONDITION OF ALL ANTICIPATED HAUL ROUTES SHALL BE DOCUMENTED BY THE CONTRACTOR PRIOR TO HAULING.
- THE CONTRACTOR SHALL NOT PERMIT ANY UNAUTHORIZED CONSTRUCTION PERSONNEL OR TRAFFIC ON THE PROJECT SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM THE PROJECT SITE. CONTRACTOR PROVIDED DIRECTIONAL SIGNAGE AT THE ACCESS GATES AND ALONG THE DELIVERY ROUTE TO THE STAGING AREA AND PROJECT SITE SHALL BE SUBMITTED AND REVIEWED BY THE DESIGNER AND AIRPORT OPERATIONS PRIOR TO INSTALLATION.
- ALL CONTRACTOR MATERIAL ORDERS FOR DELIVERY TO THE SITE SHALL BE DIRECTED TO THE ACCESS POINT IDENTIFIED OR CONTRACTOR STAGING AREA.
- THE CONTRACTOR, THROUGH AIRPORT OPERATIONS/SECURITY, SHALL ESTABLISH AND MAINTAIN A LIST OF CONTRACTOR AND SUB-CONTRACTOR VEHICLES AUTHORIZED TO OPERATE ON THE PROJECT SITE. VEHICLE USE PERMITS SHALL BE OBTAINED BY THE CONTRACTOR IN ACCORDANCE WITH AIRPORT PROCEDURES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE USE OF OFF-SITE ROUTES (STATE HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE.
- ALL VEHICLES USING HAUL ROUTES INCLUDING OFF-SITE ROUTES, SHALL BE COVERED TO PREVENT BLOWING AWAY OR SPILLAGE OF LOOSE MATERIAL. ALL SPILLAGES ON PUBLIC ROADWAYS AND SITE ROADS SHALL BE PROMPTLY CLEANED UP AND LEGALLY DISPOSED OF AT NO ADDITIONAL COST TO THE SPONSOR.
- THE CONTRACTOR WILL NOT BE PERMITTED TO USE ANY ACCESS OR HAUL ROADS OTHER THAN THOSE DESIGNATED ON THE CONTRACT DRAWINGS. EMERGENCY ACCESS BY AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) RIGHT-OF-WAY ON ACCESS ROADS, HAUL ROADS, TAXIWAYS, AND RUNWAYS SHALL NOT BE IMPEDED AT ANY TIME.

CONTRACTOR STAGING AREA

- THE LIMITS OF CONSTRUCTION, CONTRACTOR'S STAGING AREA AND STOCKPILING AREAS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION ARE SHOWN ON THE PLANS. ADDITIONAL AREAS MAY BE REQUESTED BY THE CONTRACTOR AND APPROVED BY THE DESIGNER AND OWNER. THE CONTRACTOR SHALL PROVIDE DEVICES VISIBLE FOR BOTH DAY AND NIGHT USE TO DELINEATE THE PERIMETER OF ALL SUCH AREAS.
- THE CONTRACTOR SHALL NOT PARK EQUIPMENT OR STORE MATERIALS WITHIN 10 FEET OF AOA FENCE AND/OR PERIMETER FENCE.
- THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AT THE STAGING AND STOCKPILE AREAS AND PROVIDE TEMPORARY ROUTING OF STORMWATER AROUND THE AREAS.
- CONTRACTOR SHALL INFORM THE CA TEAM ON A DAILY BASIS OF THE DAILY CONSTRUCTION ACTIVITIES, AS WELL AS, UPCOMING ACTIVITIES WITH THE INTENT TO LIMIT AIRPORT OPERATION CONFLICTS.
- ALL STAGING AREAS SHALL BE INSPECTED AND APPROVED BY AIRPORT FIRE MARSHALL. THE CONTRACTOR SHALL SUPPLY ANY AND ALL FIRE FIGHTING EQUIPMENT, PROTECTION AND SAFETY EQUIPMENT/SUPPLIES AS REQUESTED BY THE AIRPORT AUTHORITY'S FIRE MARSHALL WITHIN 24 HOURS AFTER REQUESTED.
 - ARFF CHIEF: MAIN LINE: (706) 798-3236 DIRECT: (706) 798-2696 CELL: (762) 994-6416
- CONTRACTOR SHALL SUPPLY COVERED TRASH AND RUBBISH DUMPSTERS AND ALL OTHER CONTAINERS FOR REMOVAL OF TRASH, RUBBISH, AND DEBRIS RESULTING FROM THE WORK OF THE CONTRACT. THE CONTRACTOR SHOULD NOT ALLOW DUMPSTERS TO OVERFLOW.
- THE CONTRACTOR SHALL COMPLETELY CLEAN UP AND RESTORE THE ENTIRE STAGING AND STORAGE AREAS, AS APPROVED BY THE DESIGNER PRIOR TO FINAL COMPLETION. ALL UNUSED MATERIALS SHALL BE REMOVED FROM THE PROJECT SITE AT THE CONTRACTORS EXPENSE, UNLESS PRIOR APPROVAL HAS BEEN GIVEN FROM THE AIRPORT.

CONTRACTOR EMPLOYEE AND EQUIPMENT PARKING

- ALL VEHICLES SHALL BE PARKED AND SERVICED IN THE DESIGNATED STAGING AND EMPLOYEE PARKING AREAS SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR TRANSPORTING EMPLOYEES FROM THESE AREAS TO THE JOBSITE. ALL SERVICING SHALL BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
- ALL MATERIALS AND EQUIPMENT WHEN NOT IN USE SHALL BE PLACED IN APPROVED AREAS WHERE THEY WILL NOT CONSTITUTE A HAZARD TO AIRCRAFT OPERATIONS AND NOT PENETRATE CLEARANCE HEIGHT RESTRICTIONS AS SHOWN ON THE CONSTRUCTION PLAN. ALL EQUIPMENT SHALL BE PARKED IN THE APPROPRIATE AREA WHEN NOT IN USE.

VEHICLE CONDITION

- VEHICLES AND EQUIPMENT THAT ARE DEEMED A POTENTIAL HAZARD BY THE CA TEAM OR AIRPORT SHALL BE REMOVED FROM THE JOB SITE AND STAGED PROPERLY AT THE REQUEST OF THE CA TEAM. VEHICLES AND EQUIPMENT THAT LEAK ANY AUTOMOTIVE FLUID INCLUDING, BUT NOT LIMITED TO, OIL, HYDRAULIC FLUID, TRANSMISSION FLUID, GEAR OIL, GASOLINE, AND DIESEL WILL BE REMOVED TO THE STAGING AREA AND NOT ALLOWED TO OPERATE ON ANY PAVED SURFACE. IF THE VEHICLE CANNOT BE REPAIRED WITHIN A FEW DAYS THE VEHICLE SHALL BE REMOVED FROM THE AIRPORT. LEAKING FLUIDS ON PAVEMENTS DAMAGE THE PAVEMENT.
- THE CONTRACTOR SHALL CLEANUP, AT CONTRACTOR'S EXPENSE, ANY AND ALL LEAKS OR SPILLS. LEAKS ON PAVED

SURFACES SHALL BE CLEANED UP IMMEDIATELY. SIGNIFICANT LEAK SPOTS ON PAVEMENT, AS DETERMINED BY THE CA TEAM, SHALL BE REPLACED WITH NEW PAVEMENT. ASPHALT WILL REQUIRE MILLING AND PLACEMENT OF NEW BITUMINOUS MATERIAL; PCC WILL REQUIRE SAW, REMOVAL AND REPAIR AS DIRECTED BY THE CA TEAM. DIRT OR GRAVEL AREAS WILL REQUIRE REMOVAL, LEGAL DISPOSAL AND REPLACEMENT OF THE AREA WITH SIMILAR APPROVED MATERIALS.

LOCATION OF STOCKPILED MATERIALS

- THERE SHALL NOT BE ANY STOCKPILED MATERIALS IN THE ACTIVE RUNWAY OF A, TAXIWAY OF A, OR NAVAID CRITICAL AREAS. STOCKPILED MATERIAL OR EQUIPMENT SHALL NOT BE STORED NEAR AIRCRAFT TURNING AREAS OR OPERATIONAL MOVEMENT AREAS, APRONS, OR EXCAVATIONS AND TRENCHES. STOCKPILED MATERIALS SHALL NOT BE STORED NEAR NAVAIDS, VISUAL OR APPROACH AIDS, NOR SHALL THEY OBSTRUCT THE ATOTS LINE OF SIGHT TO ANY RUNWAY OR TAXIWAY. THE CONTRACTOR SHALL ENSURE THAT STOCKPILED MATERIALS DO NOT CAUSE DEGRADED OR HAZARDOUS CONDITIONS TO AIRPORT OPERATIONS SAFETY. THIS INCLUDES DETERMINING AND VERIFYING THAT STOCKPILED MATERIALS ARE STORED AT AN APPROVED LOCATION, THAT THEY ARE PROPERLY STOWED TO PREVENT FOREIGN OBJECT DEBRIS (FOD), ATTRACTION BY WILDLIFE, OR OBSTRUCTION OF AIR OPERATIONS EITHER BY THEIR PROXIMITY TO NAVAIDS OR TO AIRCRAFT MOVEMENT AREAS.
- ALL STOCKPILED MATERIAL(S)/SUPPLIES SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT BLAST OR WIND CONDITIONS. MATERIAL(S)/SUPPLIES SHALL NOT BE STORED WITHIN 500 FEET OF AIRCRAFT TURNING AREAS OR MOVEMENT AREAS. STOCKPILED MATERIAL(S)/SUPPLIES SHALL NOT EXCEED 15 FEET IN HEIGHT UNLESS THE CONTRACTOR HAS COMPLIED WITH ALL REQUIREMENTS FOR AIRSPACING AND SECURED APPROVAL FROM AIRPORT OPERATIONS. ALL MATERIAL(S)/SUPPLIES SHALL BE POSITIONED SO IT WILL NOT OBSTRUCT THE LINE OF SIGHT FROM THE CONTROL TOWER TO THE MOVEMENT AREA. MARKING AND LIGHTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN THESE CONSTRUCTION PLANS. LOOSE MATERIALS, SUCH AS STRAW, SHALL BE COVERED AS DIRECTED BY CA TEAM.

VEHICLE AND PEDESTRIAN OPERATIONS

- VEHICLE AND ACCESS ROUTES FOR AIRPORT CONSTRUCTION SHALL BE CONTROLLED AS NECESSARY TO PREVENT INADVERTENT OR UNAUTHORIZED ENTRY OF PERSONS, VEHICLES OR ANIMALS ONTO AIR OPERATION AREAS. NO VEHICLE SHALL ENTER THE AIR OPERATIONS AREA EXCEPT AT PREDETERMINED LOCATIONS. THE AMOUNT OF CONSTRUCTION TRAFFIC WILL REQUIRE THE CONTRACTOR TO USE A GUARD AT ACCESS GATES AND A FLAG PERSON TO CONTROL TRAFFIC CROSSING TAXIWAYS AND OTHER AIRCRAFT MOVEMENT AREAS. CONTRACTOR PERSONNEL WHO OPERATE VEHICLES IN THE AOA SHALL COMPLY WITH AC 150/5210-5 (LATEST VERSION), PAINTING, MARKING AND LIGHTING OF VEHICLES USED ON AN AIRPORT.
- ALL CONSTRUCTION VEHICLES/MECHANIZED EQUIPMENT SHALL HAVE A VEHICLE PASS AS DETERMINED BY AIRPORT OPERATIONS DISPLAYED.
- ALL CONSTRUCTION VEHICLES/MECHANIZED EQUIPMENT AUTHORIZED WITHIN THE MOVEMENT AREA OR RELATED SAFETY AREAS SHALL BE MARKED WITH A CLEAN 3' X 3' ORANGE AND WHITE CHECKERED FLAG WITH EACH BOX BEING 1' SQUARE, LOCATED ON THE UPPERMOST PORTION OF THE VEHICLE/MOTORIZED EQUIPMENT, OR BE ESCORTED BY A VEHICLE SO EQUIPPED.
- DURING NIGHTTIME HOURS, ALL EQUIPMENT OPERATING ON THE AIRPORT EXCEEDING 15 FEET IN HEIGHT SHALL BE LIT WITH A RED OBSTRUCTION LIGHT LOCATED ON THE UPPERMOST PORTION OF THE EQUIPMENT.
- VEHICLES/MECHANIZED EQUIPMENT AUTHORIZED ON THE MOVEMENT AREA (RUNWAYS, TAXIWAYS, AND RAMPS) AND/OR ASSOCIATED SAFETY AREAS SHALL BE EQUIPPED WITH AN ELECTRICALLY POWERED, AMBER COLOR, 360-DEGREE OMNI-DIRECTION LIGHT, MOUNTED ON THE VEHICLE SUCH THAT IT IS CONSPICUOUS FROM ANY DIRECTION.

REQUIRED ESCORTS

- THE CONTRACTOR MUST PROVIDE AN ADEQUATE NUMBER OF ESCORTS FOR MATERIAL DELIVERIES ALONG HAUL ROUTES AND THE MOVEMENTS OF THE CONTRACTOR'S VEHICLES/MECHANIZED EQUIPMENT AND PERSONNEL WITHIN THE MOVEMENT AREA AND NON-MOVEMENT AREAS AS AUTHORIZED BY THE AIRPORT OPERATIONS. EACH ESCORT MAY ACCOMPANY A MAXIMUM OF 5 VEHICLES AT A TIME ACROSS MOVEMENT AREAS AND MUST MAINTAIN VISUAL ACCESS AT ALL TIMES.
- DURING ANY ABSENCE OF THE APPROVED ESCORT(S) OR FOR PERIODS THAT THEY ARE UNABLE TO PERFORM THEIR SPECIFIED DUTIES, ALL WORK WITHIN THE MOVEMENT AREA AND ASSOCIATED SAFETY AREAS FOR PROJECTS SHALL STOP. ADDITIONALLY, ALL PERSONNEL AND EQUIPMENT SHALL BE ESCORTED TO APPROVED LOCATIONS OUTSIDE THE MOVEMENT AREA AND RELATED SAFETY AREAS. NO CONTRACT TIME EXTENSION WILL BE GRANTED FOR TIME LOST DUE TO THE ABSENCE OF ESCORT(S). WORK SHALL RESUME ONLY WITH THE RETURN OF THE APPROVED ESCORT(S).
- THE ESCORT SHALL ASSURE THAT ALL EQUIPMENT MAINTAINS PROPER CLEARANCES FROM MOVING AIRCRAFT.

TRAINING REQUIREMENTS FOR VEHICLE DRIVERS

- CONTRACTOR EMPLOYEES DESIGNATED AS ESCORTS, ARE REQUIRED TO BE BADGED BY AUGUSTA REGIONAL AIRPORT OPERATIONS THROUGH SECURITY DRIVER'S SAFETY TRAINING PROGRAM, AND PASS THE ASSOCIATED TEST. TRAINING IS BY APPOINTMENT ONLY. FURTHER ADDITIONAL AIRFIELD AND SITE TRAINING WILL BE PROVIDED WITH BADGED INDIVIDUALS UPON SUCCESSFUL COMPLETION OF CLASSROOM TRAINING AND BEFORE THE START OF CONSTRUCTION. ALL COSTS ASSOCIATED WITH BADGING SHALL BE AT THE CONTRACTOR'S EXPENSE.
- MOVEMENT AREA ESCORT EMPLOYEES ARE REQUIRED TO COMPLETE AND PASS AN ADDITIONAL CLASS ON GROUND VEHICLE OPERATIONS.
 - OPERATIONS MANAGER : MAIN LINE: (706) 798-3236 DIRECT: (706) 796-4004

TWO-WAY RADIO COMMUNICATIONS PROCEDURES

- THE ONSITE PROJECT SUPERINTENDENT AND ANY FLAGMEN ASSIGNED TO THE PROJECT WILL BE REQUIRED TO MONITOR AIRPORT TWO-WAY RADIO COMMUNICATIONS BETWEEN THE AIR TRAFFIC CONTROL TOWER AND PILOTS. THE CONTRACTOR WILL NOT CONTACT THE TOWER OR PILOTS, BUT USE RADIO MONITORING TO STAY INFORMED ABOUT ONGOING AIRPORT OPERATIONS AND AIRCRAFT MOVEMENTS. AUTHORIZED MOVEMENT AREA ROUTES WILL BE DETERMINED BY THE CA TEAM AND AIRPORT OPERATIONS. THE CONTRACTOR SHALL NOT ENTER OR CROSS ANY OPEN RUNWAY OR TAXIWAY WITHOUT AN AUTHORIZED ESCORT FROM THE CA TEAM OR AIRPORT OPERATIONS. NON-COMPLIANCE WILL RESULT IN REMOVAL OF THE VIOLATOR FROM THE JOB SITE AND THE VIOLATOR'S AIRPORT IDENTIFICATION BADGE WILL BE CONFISCATED. IN ADDITION, CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FINES ASSOCIATED WITH THE VIOLATION. THE FAA FINE IS TYPICALLY \$11,000 MINIMUM PER OCCURRENCE. EMERGENCIES AND OPERATING CONDITIONS MAY NECESSITATE SUDDEN CHANGES, BOTH IN AIRPORT OPERATIONS AND IN THE OPERATIONS OF THE CONTRACTOR. AIRCRAFT OPERATIONS SHALL ALWAYS HAVE PRIORITY OVER ANY AND ALL OF THE CONTRACTOR'S OPERATIONS. SHOULD RUNWAYS OR TAXIWAYS BE REQUIRED FOR THE USE OF AIRCRAFT AND SHOULD AIRPORT OPERATIONS, THE CONTROL TOWER, OR THE CA TEAM DEEM THE CONTRACTOR TO BE TOO CLOSE TO ACTIVE RUNWAYS OR TAXIWAYS THE CONTRACTOR SHALL SUSPEND HIS OPERATIONS, REMOVE HIS PERSONNEL, PLANT, EQUIPMENT, AND MATERIALS TO A SAFE DISTANCE AND STAND BY UNTIL THE RUNWAYS AND TAXIWAYS ARE NO LONGER REQUIRED FOR USE BY AIRCRAFT. THERE WILL BE NO COMPENSATION FOR DELAYS OR INEFFICIENCIES DUE TO THESE CHANGES.
- FOR SCHEDULING CONTACT AIRFIELD OPERATIONS TRAINING AT (706) 796-4004.
- CONTRACTOR SHALL PROVIDE RADIOS CAPABLE OF MONITORING AIRPORT FREQUENCY 121.90 MHZ.

MAINTENANCE OF THE SECURED AREA OF THE AIRPORT

- SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE SECURITY FENCE. THE CONTRACTOR SHALL DELINEATE WORK LIMITS WITHIN THESE AREAS AS PER THE PHASING PLAN. CONFINE MEN, EQUIPMENT AND MATERIALS OUTSIDE OF THE RUNWAY OBJECT FREE AREA (ROFA) WHEN RUNWAY IS ACTIVE. CONFINE MEN, EQUIPMENT AND MATERIALS OUTSIDE OF THE TAXIWAY TOFA WHEN THE TAXIWAY IS ACTIVE. WORK SITE WILL GENERALLY BE ENCLOSED WITH CONSTRUCTION AREA MARKERS AS SHOWN ON THE SAFETY/PHASING PLAN. SEE THE SPECIFICATIONS FOR SPECIAL CONDITIONS AND FOR OTHER CONDITIONS RELATING TO SAFETY.
- THE CONTRACTOR SHALL HAVE ACCESS TO THE AIRPORT ONLY AT THOSE LOCATIONS DESIGNATED ON THE PLANS. ALL OTHER ACCESS SHALL BE BY SPECIAL REQUEST AND SUBJECT TO APPROVAL BY AIRPORT OPERATIONS. THE CONTRACTOR WILL PROVIDE SECURITY PERSONNEL TO CONTROL MOVEMENTS THROUGH THE CONTRACTOR'S ACCESS GATE UNLESS THE GATE REMAINS LOCKED. THE CONTRACTOR SHALL REFER TO SPECIAL PROVISION SECTION SP-20 OF THE SPECIFICATIONS FOR THE REQUIREMENTS OF THE SECURITY PERSONNEL.

WILDLIFE MANAGEMENT

- CONTRACTOR SHALL INSTRUCT EMPLOYEES NOT TO DISCARD FOOD OR OTHER TRASH ON OR AROUND WORK SITES THAT COULD ATTRACT WILDLIFE. CONTRACTOR EMPLOYEES SHALL NOT INTENTIONALLY FEED ANY WILDLIFE WHILE WORKING AT THE AIRPORT.
- CONTRACTOR SHALL PROPERLY SEAL ALL TRASH CONTAINERS AT WORK SITES SUCH THAT WILDLIFE CANNOT GAIN ACCESS TO CONTAINERS DURING NON-CONSTRUCTION PERIODS.
- CONTRACTOR SHALL NOTIFY AIRPORT OPERATIONS STAFF IF LARGE NUMBERS OF BIRDS ARE OBSERVED AT WORK SITES. CONTRACTOR SHALL IMMEDIATELY NOTIFY OPERATIONS STAFF IF DEER ARE SIGHTED WITHIN THE AIRFIELD FENCE.

FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

- THE CONTRACTOR SHALL HAVE AVAILABLE AT ALL TIMES A VACUUM TYPE MECHANICAL SWEEPER AND WATER TRUCK TO CLEAN ALL TAXIWAY AND APRON PAVEMENT OF DIRT, STONES, AND LOOSE DEBRIS WHERE CONSTRUCTION TRAFFIC CROSSES AT ALL ACTIVE AIRPORT PAVED SURFACES. PAYMENT FOR VACUUM AND WATER TRUCKS OR FOR PAVEMENT CLEANING SHALL BE INCIDENTAL TO PAY ITEM M-2 SAFETY AND SECURITY.
- NO DEBRIS SHALL BE ALLOWED TO REMAIN ON THE ROADWAYS OR AIRPORT PAVED SURFACES. ACTIVE TAXIWAYS AND APRONS SHALL BE KEPT FREE OF DEBRIS AT ALL TIMES. USING POWER VACUUM SWEEPERS TO KEEP ALL ACCESS AND CONSTRUCTION AREAS CLEAR OF SOILS, CLODS, OR OTHER DEBRIS. PAYMENT FOR VACUUM SWEEPING AND CLEANING OF RUNWAY, TAXIWAYS AND/OR APRONS IS INCIDENTAL TO ITEM M-2 SAFETY AND SECURITY.
- THE CONTRACTOR SHALL HAVE AVAILABLE ON-SITE AT ALL TIMES A METHOD OF PERIODIC SPRAYING OF ANY STOCKPILE, HAUL ROADS, OR EXPOSED AREAS TO LIMIT DUST.

NOTIFICATION OF CONSTRUCTION ACTIVITIES

- PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL NOTIFY IN WRITING, AT LEAST 5 DAYS IN ADVANCE, AIRPORT STAFF AND THE CA TEAM OF ITS INTENTIONS TO BEGIN CONSTRUCTION, STATING THE PROPOSED TIME, DATE, AND AREA OF WHICH CONSTRUCTION IS TO OCCUR IN ORDER FOR THE APPROPRIATE NOTICE-TO-AIRMEN (NOTAM) TO BE ISSUED. DURING THE PERFORMANCE OF THIS CONTRACT, THE AIRPORT FACILITY SHALL REMAIN IN USE TO THE MAXIMUM EXTENT POSSIBLE. THE CONTRACTOR SHALL NOT ALLOW EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, OR ANY OTHER UNAUTHORIZED PERSONS TO ENTER IN ANY AIRPORT AREA WHICH MAY BE OPEN FOR AIRCRAFT USE, EXCEPT AS NOTED ON THE CONSTRUCTION SAFETY PHASING PLAN.
- CONTRACTOR SHALL INFORM THE CA TEAM ON A DAILY BASIS OF THE DAILY CONSTRUCTION ACTIVITIES.
- NOTAMS

A. IN ORDER FOR THE CONTRACTOR TO OPERATE WITHIN AIRPORT PROPERTY, APPROPRIATE NOTICES TO AIRMEN (NOTAM) MUST BE ISSUED BY THE AIRPORT THROUGH THE FAA FLIGHT SERVICE STATION. THESE NOTICES PROVIDE INFORMATION ON CLOSED, LIMITED, OR HAZARDOUS CONDITIONS TO AIRMEN AND USERS OF THE AIRPORT. A 72 HOUR NOTICE IS REQUIRED FOR ISSUANCE OF THE PROPER NOTAM. ALL CONSTRUCTION OPERATIONS MUST BE CLOSELY COORDINATED WITH THE DESIGNER FOR NOTAM ISSUANCE.

EMERGENCY NOTIFICATION PROCEDURES

- THE CONTRACTOR SHALL IMMEDIATELY CALL 911 IF AN ACCIDENT OCCURS WITH INJURIES ON AIRPORT PROPERTY ADVISING THE LOCATION IS ON AUGUSTA REGIONAL AIRPORT FOR THEM TO COORDINATE WITH THE AIRPORT AUTHORITY.
- THE CONTRACTOR SHALL ALSO IMMEDIATELY NOTIFY AIRPORT OPERATIONS TO COORDINATE ALL EMERGENCY EFFORTS, (706) 799-5372.
- WITHIN 24 HOURS, THE CONTRACTOR SHALL PROVIDE A WRITTEN REPORT OF ALL ACCIDENTS TO AIRPORT OPERATIONS AND CA TEAM.
- COORDINATION WITH ARFF

A. IF A FIRE OCCURS ON AIRPORT PROPERTY THE CONTRACTOR SHALL NOT ATTEMPT TO FIGHT THE FIRE BEYOND WHAT MAY BE DOUSED BY USE OF A FIRE EXTINGUISHER. THE CONTRACTOR SHALL IMMEDIATELY CALL 911 ADVISING THE LOCATION IS ON AUGUSTA REGIONAL AIRPORT FOR THEM TO COORDINATE WITH THE AIRPORT AUTHORITY.

B. NON-EMERGENCY COMMUNICATION WITH AIRPORT ARFF WILL BE COORDINATED BY THE CA TEAM.

C. AN AIRPORT ARFF REPRESENTATIVE WILL BE INVITED TO ATTEND THE PRECONSTRUCTION CONFERENCE AT WHICH TIME THE OVERALL CONSTRUCTION SCHEDULE WILL BE PRESENTED.

D. A MEETING WILL BE SCHEDULED WITH THE AIRPORT ARFF REPRESENTATIVE PRIOR TO THE START OF EACH MAJOR CONSTRUCTION PHASE WHICH SIGNIFICANTLY IMPACTS/MODIFIES AIRFIELD CLOSURES THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT. PARTICIPANTS IN THESE MEETINGS SHALL INCLUDE: AIRPORT STAFF, AIRPORT OPERATIONS, DESIGN TEAM, CONSTRUCTION ADMINISTRATION TEAM, CONTRACTOR, AND SUBCONTRACTORS.

6. NOTIFICATION TO THE FAA

A. THE CONTRACTOR'S USE OF CRANES, BOOM TRUCKS, CONCRETE PUMP TRUCKS, DRILL RIGS AND OTHER TALL OBJECTS WILL REQUIRE SUBMITTAL AND APPROVAL BY THE AIRPORT AND DESIGNER. IF ON AIRPORT PROPERTY, THE EQUIPMENT SHALL REQUIRE FAA AIRSPACE REVIEW AS SUBMITTAL ON FAA FORM 7460-1 NOTICE OF CONSTRUCTION.

IF CONTRACTOR REQUIRES EQUIPMENT IN EXCESS OF MAXIMUM ALLOWABLE HEIGHT, THEN SUBMIT A 7460-1 45 DAYS IN ADVANCE OF CRANE ERECTION. ALL CONSTRUCTION INVOLVING CRANES SHALL FURTHER BE COORDINATED AT LEAST 5 DAYS IN ADVANCE, EXCLUDING WEEKENDS, WITH THE AIRPORT OPERATIONS. THIS DOES NOT INCLUDE THE TIME REQUIRED FOR AIRSPACE REVIEW. THE FOLLOWING INFORMATION AND ACTIONS ARE REQUIRED: LOCATION OF THE CRANE.

- MAXIMUM EXTENDABLE HEIGHT.
- THE TOP OF EACH CRANE BOOM SHALL BE MARKED BY A 3' X 3' ORANGE AND WHITE CHECKERED FLAG - EACH BOX BEING 1' SQUARE.
- EACH CRANE SHALL BE LOWERED AT NIGHT AND DURING PERIODS OF POOR VISIBILITY AS DIRECTED BY AIRPORT OPERATION. IN THE EVENT THE CRANE IS APPROVED TO REMAIN EXTENDED DURING THE HOURS FROM SUNSET TO SUNRISE, THE HIGHEST POINT OF THE CRANE BOOM WILL BE LIT WITH A RED OBSTRUCTION LIGHT IN ACCORDANCE WITH AC 707/460-1.
- SET CRANE LIMITERS DURING ALL CONSTRUCTION.

AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
9/13/24 BID SET



NOT FOR CONSTRUCTION

MSH NO: 0119700-231215.02
DATE: 9/13/2024
DESIGNED BY: NUH
DRAWN BY: KEE
CHECKED BY: EJS
DO NOT SCALE DRAWINGS

SHEET CONTENTS
CONSTRUCTION
SAFETY PHASING
PLAN - NOTES

SHEET NO.

G-071

INSPECTION REQUIREMENTS

- CONSTRUCTION EQUIPMENT: THE CONTRACTOR SHALL INSPECT ALL CONSTRUCTION EQUIPMENT ON A DAILY BASIS TO ENSURE THAT THE EQUIPMENT IS IN GOOD WORKING ORDER AND THAT ORANGE AND WHITE CONSTRUCTION FLAGS AND BEACONS ARE PRESENT, CLEAN, AND IN GOOD CONDITION.
- CONSTRUCTION BARRICADES: THE CONTRACTOR SHALL INSPECT ALL CONSTRUCTION BARRICADES ON A DAILY BASIS TO ENSURE THAT BARRICADES ARE IN GOOD CONDITION AND THAT FLASHING BEACONS ARE IN WORKING ORDER. IF BARRICADES ARE DAMAGED THEY SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND REPLACED IMMEDIATELY. ANY INOPERABLE FLASHING LIGHTS SHALL BE REMOVED AND REPLACED AT THE END OF EVERY DAY.
- CONSTRUCTION EQUIPMENT FUELING AREA: THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION EQUIPMENT FUELING AREA DAILY. ANY FUEL SPILLS WILL BE REPORTED TO AIRPORT OPERATIONS AS SOON AS SPILL HAS BEEN IDENTIFIED. IF TEMPORARY FUEL TANKS ARE SUPPLIED BY THE CONTRACTOR THEY MUST BE SURROUNDED BY CONCRETE JERSEY BARRIERS. ALSO, TANKS MUST BE MARKED FLAMMABLE ON ALL SIDES AND LABELED WITH THE TYPE OF FUEL THEY CONTAIN. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AN SPCC FOR THE FUEL TANKS, IF REQUIRED, IN ACCORDANCE WITH FEDERAL REGULATIONS.
- ACTIVE AIRPORT PAVEMENTS: THE CONTRACTOR SHALL INSPECT ALL ACTIVE AIRPORT PAVEMENTS CONTINUOUSLY DURING CONSTRUCTION ACTIVITIES. MATERIALS TRACKED ONTO ACTIVE AIRPORT PAVEMENTS MUST BE CONTINUOUSLY REMOVED DURING THE PROJECT. PRIOR TO LEAVING THE CONSTRUCTION SITE AT THE END OF EACH DAY, THE CONTRACTOR MUST CONTACT AIRPORT OPERATIONS FOR AN INSPECTION OF THE CLEANLINESS OF AIRPORT PAVEMENTS.
- A FINAL SAFETY INSPECTION MAY BE REQUIRED PRIOR TO ALLOWING AIR CARRIER SERVICE. COORDINATION WITH THE FAA AIRPORT CERTIFICATION SAFETY INSPECTOR WILL DETERMINE IF A FINAL INSPECTION WILL BE NECESSARY.

UNDERGROUND UTILITIES

- THE CONTRACTOR SHALL IDENTIFY ANY KNOWN UNDERGROUND INTERFERENCES OR DISCREPANCIES ON ALL AVAILABLE DRAWINGS THAT CAN BE PROVIDED BY CONTACTING THE DESIGNER AND THE CA TEAM AT:

MEAD & HUNT, INC.
5955 CORE ROAD, SUITE 515
NORTH CHARLESTON, SC 29046
PHONE: (843) 520-2986

- PRIOR TO COMMENCING ANY EXCAVATION (ON OR OFF AOA), DRILLING (ON OR OFF THE AOA), DRIVING FENCE POSTS (ALONG THE AOA), TRENCHING (ON OR OFF THE AOA), SAW CUTTING (AOA ONLY), THE CONTRACTOR SHALL PERFORM GPR ACROSS THE ENTIRE SITE TO BE DISTURBED AND SHALL REVIEW DRAWINGS WITH AIRPORT TO INSURE THAT ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES ARE IDENTIFIED. IN ADDITION THE CONTRACTOR SHALL CONTACT GEORGIA 811 AND FAA AND COORDINATE WITH THE AIRPORT PROJECT SUPERVISOR TO ASSIGN THE VERIFICATION OF UTILITIES BY AIRPORT MAINTENANCE. GEORGIA 811 FAA, MAINTENANCE, AND THE CONTRACTOR SHALL ATTEMPT TO LOCATE UTILITIES. THE CONTRACTOR WILL BE COMPLETELY RESPONSIBLE FOR ALL DAMAGE TO UNDERGROUND UTILITIES. THE CONTRACTOR SHALL COORDINATE REQUEST FOR SWEEPS OF UTILITIES BY COMPLETING THE CONTRACTOR REQUEST FOR SWEEP FORM AT LEAST 72 HOURS PRIOR TO ANY EXCAVATIONS. AIRPORT AUTHORITY WILL NOTIFY THE CONTRACTOR A MINIMUM WITH 24 HOURS AFTER RECEIVING NOTICE. AT THAT TIME THE AIRPORT AUTHORITY WILL INDICATE IF IT CAN COMPLETE THE SWEEP. IF IT CAN'T, THE CONTRACTOR WILL BE RESPONSIBLE TO COMPLETE THE SWEEP AND/OR USE GEORGIA 811.
- EACH UTILITY SHALL BE SWEEPED IN THE FOLLOWING MANNER: FLAGS CAN BE USED BUT SHALL BE COLOR COORDINATED AS SUGGESTED BELOW. IN ADDITION THE "ACRONYM" FOR THAT UTILITY SHALL BE WRITTEN ON ONE SIDE OF THE FLAG WITH A PERMANENT MARKER.
- STAKES CAN BE USED. THE TOP TWO INCHES OF THE STAKE SHALL BE PAINTED IN COLOR AS SUGGESTED BELOW. IN ADDITION THE "ACRONYM" FOR THAT UTILITY SHALL BE WRITTEN ON ONE SIDE OF THE STAKE WITH A PERMANENT MARKER. STAKES SHOULD NOT BE USED IN RSA OR TSA IF THEY CAN BE AVOIDED.
- PAINTING IS ONLY AUTHORIZED ON ASPHALT, CONCRETE, AND METAL SURFACES. MARKINGS SHALL BE COLOR COORDINATED AS SUGGESTED BELOW. THE ACRONYM FOR THE UTILITY SHALL BE USED FOR EACH UTILITY. A LINE THAT SHOWS THE DIRECTION OF THE UTILITY SHALL EMANATE FROM THE ACRONYM IN EACH DIRECTION.
- ALL MARKING OF UTILITIES SHALL BE EVERY 50 FEET.

| | ACRONYM | COLOR |
|----------------------------|---------------|--------|
| ELECTRICAL LOOPS (NON AOA) | USE "ELEC" | RED |
| AIRFIELD ELECTRICAL | USE "ELEC" | RED |
| NATURAL GAS | USE "NAT GAS" | YELLOW |
| SANITARY | USE "SANIT" | BROWN |
| STORM | USE "STORM" | BROWN |
| WATER (POTABLE AND FIRE) | USE "WATER" | BLUE |
| FAA COPPER | USE "FAA COP" | RED |
| FAA FIBER | USE "FAA FIB" | ORANGE |
| FIBER | USE "FIBER" | ORANGE |
| TELEPHONE | USE "TELE" | ORANGE |

- IF UNDERGROUND UTILITY IS ABANDONED, CONTRACTOR SHALL STILL STAKE, MARK, OR FLAG BUT WRITE DOWN "ABAND" BEFORE THE ABBREVIATED PREFIX INDICATED ABOVE.
- THE INDIVIDUAL MARKING, STAKING, OR FLAGGING SHALL MARK THE UTILITIES IN A WAY THAT COINCIDES WITH THE DRAWINGS THAT ARE REFERENCED ON THE REQUEST FOR SWEEP FORM.
- IF A UTILITY OR ANY UNDERGROUND OBSTRUCTION IS FOUND IT SHALL BE REPORTED IMMEDIATELY TO THE DESIGNER OR THE AIRPORT PROJECT SUPERVISOR.
- CONTRACTOR EMPLOYEES IN AN EXCAVATION SHALL BE PROTECTED FROM CAVE-INS BY AN ADEQUATE PROTECTIVE SYSTEM UNLESS THE EXCAVATION IS:
 - MADE ENTIRELY OF STABLE ROCK, OR
 - LESS THAN 5 FEET DEEP AND DETERMINATION HAS BEEN MADE THAT THERE IS NO POTENTIAL FOR A CAVE-IN.
- EXCAVATION SHALL BE PROTECTED USING PROPER BARRICADING MATERIALS WHICH SHALL BE INSTALLED A MINIMUM OF 6 FEET BACK FROM EXCAVATION (UNLESS IN CONFLICT WITH AIRFIELD REQUIREMENTS). BARRICADE MATERIAL CAN BE WOOD, STEEL CABLES, OR CHAIN SUPPORTED AT INTERVALS SO THAT THE BARRICADE DOES NOT SAG OR DROOP BELOW THE REQUIRED HEIGHT. CAUTION TAPE IS NOT AN APPROVED BARRICADE MATERIAL. GUARDRAIL/JERSEY BARRIERS MAY BE REQUIRED AND SHALL PROVIDE A TOP RAIL, MID RAIL, AND TOE BOARD AT PROPER ELEVATIONS AND BE ABLE TO WITHSTAND A MINIMUM 200 POUND FORCE WITHOUT COLLAPSING. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING ANY TRENCHING PLANS IN ACCORDANCE WITH OSHA REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING UTILITY INFORMATION FOR USE DURING CONSTRUCTION AND PREPARATION OF AS-BUILTS.

PENALTIES

- ENTERING THE MOVEMENT AREA (I.E. RUNWAYS, TAXIWAYS, ETC.) WITHOUT AUTHORIZATION FROM THE FAA AIR TRAFFIC CONTROL TOWER AND THE AIRPORT OPERATIONS WILL RESULT IN THE SUSPENSION OF AN ASSIGNED ID BADGE AND/OR RAMP DRIVING PRIVILEGES AND COULD SUBJECT THE CONTRACTOR'S KEY PERSONNEL TO PERMANENT REVOCATION OF THEIR AIRFIELD DRIVING PRIVILEGES. FURTHERMORE, RUNWAY INCURSIONS MAY RESULT IN FINES AND/OR TERMINATION OF THIS CONTRACT. CONTRACTOR IS SOLELY RESPONSIBLE FOR THESE FINES FOR THEIR FORCES AS WELL AS ANY SUBCONTRACTORS, SUPPLIERS, OR ANY OTHERS EMPLOYED BY THE CONTRACTOR ON THIS PROJECT.

RUNWAY AND TAXIWAY VISUAL AIDS

- TAXIWAY VISUAL AIDS, INCLUDING ANY TEMPORARY TAXIWAY PAVEMENT MARKING WILL BE AS SHOWN ON THE PLANS AND PROVIDED BY THE CONTRACTOR. MARKINGS SHALL BE IN COMPLIANCE WITH AC 150/5340-1, STANDARDS FOR AIRPORT MARKINGS. LIGHTING SHALL CONFORM TO AC150/5340-30, DESIGN AND INSTALLATION DETAILS FOR AIRPORT VISUAL AIDS, AC 150/5345-50, SPECIFICATIONS FOR PORTABLE RUNWAY TAXIWAY LIGHTS, AND AC 150/5345-53 AIRPORT LIGHTING CERTIFICATION PROGRAM. SIGNS SHALL CONFORM TO AC 150/5345-44, SPECIFICATION FOR RUNWAY AND TAXIWAY SIGNS, AC 150/5340-18, STANDARDS FOR AIRPORT SIGN SYSTEMS, AND AC 150/5345-53, AIRPORT LIGHTING CERTIFICATION PROGRAM.
- IF AIRCRAFT OPERATION AREAS MUST BE CLOSED, THE CONTRACTOR SHALL FURNISH AND PLACE PORTABLE BARRICADES ACROSS TAXIWAYS TO KEEP VEHICLES FROM ENTERING ACTIVE OPERATION AREAS AND TO KEEP AIRCRAFT FROM TAXING INTO CONSTRUCTION AREAS. EXCAVATION AND OPEN TRENCHES MAY BE PERMITTED UP TO THE EDGE OF AN APRON PROVIDED THE DROP OFF IS APPROPRIATELY MARKED AND LIGHTED. BARRICADES SHALL BE MARKED WITH DIAGONAL, ALTERNATING ORANGE AND WHITE STRIPES AND SUPPLEMENTED WITH EITHER FLASHING LIGHTS DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS. LIGHTS SHALL BE BARRICADE TYPE TYPICAL FOR CONSTRUCTION ZONES, AND RED IN COLOR. ALL LIGHTS MUST BE CHECKED NIGHTLY TO ENSURE THAT THEY ARE OPERATING. ANY LIGHTS NOT FUNCTIONING SHALL BE IMMEDIATELY REPLACED.
- BARRICADES LOCATED WITHIN AIRCRAFT OPERATION AREAS SHALL BE LOW LEVEL AVIATION BARRICADES SPECIFICALLY MANUFACTURED AND DESIGNED FOR SUCH PURPOSE. THEY SHALL BE ALTERNATING ORANGE AND WHITE IN COLOR 10" HIGH AND 96" LONG, MADE OF UV-RESISTANT POLYETHYLENE AS MANUFACTURED BY MULTI-BARRIER (MODEL AR 10X96 HDPE) OR APPROVED EQUIV.

MARKING AND SIGNS FOR ACCESS ROUTES

- MARKINGS AND SIGNS USED ON ACCESS ROUTES SHALL CONFORM TO AC 150/5340-18 AND, TO THE EXTENT PRACTICABLE, WITH THE MOST CURRENT VERSION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

HAZARD MARKING AND LIGHTING

HAZARD MARKING

- HAZARD-MARKING BARRICADES, TRAFFIC CONES, FLASHERS, ETC. SHOULD BE USED: TO IDENTIFY AND DEFINE THE LIMITS OF CONSTRUCTION MAKING THEM VISIBLE TO AIRCRAFT, PERSONNEL, OR VEHICLES; TO IDENTIFY HAZARDS SUCH AS OPEN MANHOLES, SMALL AREAS UNDER REPAIR, STOCKPILED MATERIAL, WASTE AREAS, ETC.; TO PREVENT AIRCRAFT FROM TAXING ONTO A CLOSED TAXIWAY; AND TO IDENTIFY FAA, AIRPORT, AND NATIONAL WEATHER SERVICE FACILITIES, CABLES, POWER LINES, INSTRUMENT LANDING SYSTEM (ILS) CRITICAL AREAS, AND OTHER SENSITIVE AREAS TO PREVENT DAMAGE, INTERFERENCE, AND FACILITY SHUTDOWN. HAZARDOUS AREAS, IN WHICH NO PART OF AN AIRCRAFT MAY ENTER, SHOULD BE INDICATED BY THE USE OF BARRICADES MARKED WITH DIAGONAL, ALTERNATING ORANGE AND WHITE STRIPES. THE BARRICADES SHOULD BE SUPPLEMENTED WITH ALTERNATING ORANGE AND WHITE FLAGS, AND INSTALLED SO THAT THEY ARE ALWAYS IN THE EXTENDED POSITION AND PROPERLY ORIENTED. DURING REDUCED VISIBILITY OR NIGHT HOURS, THE BARRICADES SHOULD BE SUPPLEMENTED WITH FLASHING RED LIGHTS. THE INTENSITY OF THE LIGHTS AND SPACING FOR BARRICADES, FLAGS, AND LIGHTS SHOULD BE ADEQUATE TO DELINEATE THE HAZARDOUS AREA WITHOUT AMBIGUITY. THE CONTRACTOR SHALL HAVE A DESIGNATED PERSON ON CALL 24-HOURS A DAY FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES.

MARKING AND LIGHTING

- LOW PROFILE LIGHTS, RETROREFLECTIVE TAXIWAY EDGE MARKERS, AND LOW LEVEL BARRICADES SHALL BE PROVIDED AND ERECTED BY THE CONTRACTOR AS SHOWN ON THE PLANS OR AS DIRECTED BY THE CA TEAM. ALL CONSTRUCTION AREAS, INCLUDING CLOSED TAXIWAYS, SHOULD BE CLEARLY AND VISIBLY SEPARATED FROM ACTIVE AIR OPERATION AREAS. HAZARD AREAS, FACILITIES, CABLES, AND POWER LINES SHOULD ALSO BE CLEARLY IDENTIFIED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE CONDITION AND VISIBILITY OF ALL MARKERS IDENTIFYING ABOVE-MENTIONED AREAS AND THAT MARKING AND LIGHTING AIDS REMAIN IN PLACE. ALTERNATING ORANGE AND WHITE FLAGLINES, TRAFFIC CONES, OMDIRECTIONAL YELLOW FLASHERS, AND/OR SIGNS SHOULD BE USED AS NECESSARY TO CLEARLY SEPARATE ALL CONSTRUCTION/MAINTENANCE AREAS FROM OTHER PARTS OF THE AOA. ALL BARRICADES, TEMPORARY MARKERS, FLAGLINES SUPPORTS, AND OTHER OBJECTS PLACED AND LEFT IN SAFETY AREAS ON ANY OPEN TAXIWAY, OR TAXILANE SHOULD BE AS LOW AS POSSIBLE TO THE GROUND, OF LOW MASS, EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT OR ANY OF ITS COMPONENTS; WEIGHTED DOWN OR STURDILY ATTACHED TO THE SURFACE TO PREVENT DISPLACEMENT FROM PROPWASH, JET BLAST, WING VORTEX, OR OTHER SURFACE WIND CURRENTS; AND IF AFFIXED TO THE SURFACE, FRANGIBLE AT GROUND LEVEL.

EQUIPMENT

LOW PROFILE BARRICADES

- THE CONTRACTOR SHALL PROVIDE LOW PROFILE BARRICADES AS DESCRIBED IN THE PLANS ALONG RUNWAY OR TAXIWAY EDGES WHEREVER OPEN EXCAVATIONS OR IRREGULAR GRADES ARE LEFT WITHIN THE SAFETY AREA OF AN ACTIVE RUNWAY OR TAXIWAY OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES ALONG ACTIVE APRON OR TAXIWAY PAVEMENT SHALL BE PLACED APPROXIMATELY 10 FEET FROM THE EDGE OF THE FULL STRENGTH PAVEMENT, WHERE POSSIBLE, OR AS SHOWN ON THE OPERATIONAL AND PHASING PLANS OR AS DETERMINED BY THE DESIGNER AND AIRPORT OPERATIONS TO DELINEATE THE CONTRACTORS WORK AREAS. GAP BETWEEN BARRICADES SHALL BE NO MORE THAN 5 FEET END TO END. NO GAPS ARE ALLOWED BETWEEN BARRICADES LOCATED ADJACENT TO RUNWAY SAFETY AREAS.
- THE CONTRACTOR SHALL MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT.
- ALL BARRICADES SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A WEEKLY BASIS AND SHALL BE REPAINTED AND/OR REPLACED WHEN DEEMED APPROPRIATE BY THE CA TEAM. THE CONDITION OF LIGHTING UNITS SHALL BE CHECKED DAILY. ALL LIGHT FIXTURES SHALL BE VERIFIED OPERATING BY THE CONTRACTOR ON A DAILY BASIS BEFORE THE CONTRACTOR CEASES OPERATION FOR THE DAY. THE AREAS AROUND ALL BARRICADES SHALL BE CLEANED AT LEAST ONCE EACH WEEK AND THE CONTRACTOR SHALL SWEEP UP ACCUMULATED DEBRIS AND REMOVE IT FROM THE SITE. ALL ACTIVITIES CONDUCTED ADJACENT TO ACTIVE RUNWAYS OR TAXIWAYS SHALL BE COORDINATED WITH THE CA TEAM.
- BARRICADES SHALL BE AS SHOWN IN DETAILS ON G-082. ALL INCIDENTAL CONNECTORS, SPACERS, SPLICE PLATES, ETC., SHALL BE PAINTED WHITE.
- ALTERNATE FORMS OF BARRICADES MAY BE PROPOSED BY THE CONTRACTOR WHICH MEET THESE FUNCTIONAL REQUIREMENTS. APPROVALS OF ANY SUCH SUBSTITUTION (IF GRANTED) SHALL BE BY THE AIRPORT OPERATIONS AND THE CA TEAM.
- THE FINAL LOCATION FOR THE BARRICADES SHALL BE ESTABLISHED IN THE FIELD WITH CONCURRENCE FROM THE CA TEAM AND AIRPORT OPERATIONS.
- THE CONTRACTOR SHALL HAVE REPLACEMENT BARRICADES, LIGHTS AND BATTERIES ON SITE AND SHALL REPLACE BARRICADES, LIGHTS AND/OR BATTERIES WITHIN ONE HOUR OF NOTIFICATION BY THE CA TEAM OR AIRPORT PERSONNEL. CONTRACTOR SHALL PROVIDE THE NAME AND TELEPHONE NUMBER FOR AN ON-CALL REPRESENTATIVE 24 HOURS PER DAY, SEVEN DAYS PER WEEK TO REPLACE BARRICADES, BATTERIES AND INOPERATIVE LIGHTS.
- RED STEADY BURN LIGHTS SHALL BE PLACED AT THE ENDS AND AT CORNERS OF EACH LINE OF BARRICADES; ALL OTHER LIGHTS ON BARRICADES SHALL BE RED FLASHING..
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROPER POSITIONING OF ALL BARRICADES.
- SANDBAGS, WATER AND/OR ANCHORS MAY BE REQUIRED TO HOLD THE BARRICADES IN PLACE WHERE EXPOSED TO JET BLAST.
- ALL COSTS ASSOCIATED WITH FURNISHING, PLACEMENT, MAINTENANCE AND SUBSEQUENT RELOCATION OF THE LOW PROFILE BARRICADES ARE INCIDENTAL TO ITEM M-2, SAFETY AND SECURITY.

DELINEATING WORK AREAS

- SAFETY BARRICADES SHALL BE FURNISHED AND INSTALLED AT THE LOCATIONS AS INDICATED ON THE CONTRACT DOCUMENTS AND/OR DIRECTED BY THE CA TEAM. GENERALLY, SAFETY FENCE WILL BE USED FOR DELINEATING CONTRACTOR STAGING/STORAGE AREAS, PHASE LIMITS AND EXCAVATIONS, TRENCHES, DROPOFFS, ETC. THAT MAY POSE A HAZARD TO ONSITE SAFETY. IN NO INSTANCE SHALL THE USE OF SAFETY FENCE BE ALLOWED WITHIN AN ACTIVE TAXIWAY OBJECT FREE AREA OR WITHIN AN ACTIVE RUNWAYS SAFETY AREA.
- SAFETY BARRICADES SHALL BE AS SPECIFIED IN SECTION 70-08 OF THE GENERAL PROVISIONS.

PROTECTION

- AT NO TIME SHALL PERSONNEL, VEHICLES OR EQUIPMENT BE LOCATED OR ENTER ANY OF THE FOLLOWING AREAS UNLESS AUTHORIZED BY AIRPORT OPERATION OR CA TEAM.
 - WITHIN 250 FEET PARALLEL TO AN ACTIVE RUNWAY CENTERLINE (TO BE INDICATED ON THE CSPP AND/OR SPCD).
 - NO STOCKPILES WILL BE PLACED WITHIN 400 FEET PARALLEL TO AN ACTIVE RUNWAY CENTERLINE NOR WILL EQUIPMENT BE LEFT UNATTENDED.
 - WITHIN 1,000 FEET OF THE END OF ACTIVE RUNWAYS (EACH END TO BE INDICATED IN THE CSPP AND/OR SPCD)
 - WITHIN 93 FEET PARALLEL TO AN ACTIVE TAXIWAY CENTERLINE OPERATING WITH AIRCRAFT WITH OUT PROPER APPROVAL.
 - ACTIVE NAVAID CRITICAL AREAS.
- ON THE MOVEMENT AREA AND/OR ASSOCIATED SAFETY AREAS DURING TIMES OF INCLEMENT WEATHER OR UNUSUAL EVENTS AS DETERMINED BY THE AIRPORT OPERATION. DURING SUCH TIMES ALL WORK IS TO BE SUSPENDED. ALL EQUIPMENT SHALL BE REMOVED TO APPROVED STAGING AREAS.
- TRENCHES AND/OR EXCAVATIONS SHALL NOT BE ALLOWED IN THE FOLLOWING AREAS WITHOUT CLOSURE OR RESTRICTION OF THE ADJACENT MOVEMENT AREA:
 - WITHIN 250 FEET PARALLEL TO A RUNWAY CENTERLINE.
 - WITHIN 93 FEET PARALLEL TO A TAXIWAY CENTERLINE OPERATING WITH AIRCRAFT
 - WITHIN 1,000 FEET OF THE END OF A RUNWAY.
 - ACTIVE NAVAID CRITICAL AREAS.
- EQUIPMENT WITHIN 400 FEET OF AN ACTIVE RUNWAY SHALL BE REMOVED WHEN NOT IN USE.
- SOIL EROSION MUST BE CONTROLLED TO MAINTAIN RSA/TSA STANDARDS. ANY HOLES OR MOUNDS, BUMPS, OR OTHER FEATURES WITH A GRADE CHANGE GREATER THAN 3 INCHES WITHIN THE RSA OR TSA SHALL BE REPAIRED PRIOR TO RUNWAY OR TAXIWAY OPENING.

OTHER LIMITATIONS ON CONSTRUCTION

- PROHIBITIONS
 - OPEN FLAME WELDING OR TORCH CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED FOR USE BY THE CA TEAM AND A BURN PERMIT HAS BEEN OBTAINED FROM THE ARFF. FLARE POTS SHALL NOT BE USED NEAR AIRCRAFT TURNING AREAS. ELECTRICAL BLASTING CAPS SHALL NOT BE USED WITHIN 1,000 FT OF THE AIRPORT PROPERTY.

PROJECT SURVEY AND LAYOUT

- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING THEIR OWN PROJECT SURVEY AND CONSTRUCTION LAYOUT IN ACCORDANCE WITH SPECIFICATION SP-90. CONTRACTOR SHALL BE COMPENSATED FOR PROJECT SURVEY AND LAYOUT UNDER ITEM SP-90-3.1.

CONTRACTOR RESPONSIBILITIES

- THE CONTRACTOR SHALL SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) TO THE AIRPORT OPERATOR DESCRIBING HOW IT WILL COMPLY WITH THE REQUIREMENTS OF THE CSPP. THE SPCD MUST INCLUDE A CERTIFICATION STATEMENT BY THE CONTRACTOR THAT INDICATES IT UNDERSTANDS THE OPERATIONAL SAFETY REQUIREMENTS OF THE CSPP AND THEY WILL NOT DEVIATE FROM THE APPROVED CSPP AND SPCD UNLESS WRITTEN APPROVAL IS GRANTED BY THE AIRPORT. ANY CONSTRUCTION PRACTICE PROPOSED BY THE CONTRACTOR THAT DOES NOT CONFORM TO THE CSPP AND SPCD MAY IMPACT THE AIRPORT'S OPERATIONAL SAFETY AND WILL REQUIRE A REVISION TO THE CSPP AND SPCD AND RE-COORDINATION WITH THE AIRPORT OPERATOR AND THE FAA IN ADVANCE.
- THE CONTRACTOR SHALL HAVE AVAILABLE AT ALL TIMES COPIES OF THE CSPP AND SPCD FOR REFERENCE BY THE AIRPORT OPERATOR AND ITS REPRESENTATIVES, AND BY SUBCONTRACTORS AND CONTRACTOR EMPLOYEES.
- THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION PERSONNEL ARE FAMILIAR WITH SAFETY PROCEDURES AND REGULATIONS ON THE THE AIRPORT. PROVIDE A POINT OF CONTACT WHO WILL COORDINATE AN IMMEDIATE RESPONSE TO CORRECT ANY CONSTRUCTION-RELATED ACTIVITY THAT MAY ADVERSELY AFFECT THE OPERATIONAL SAFETY OF THE AIRPORT.
- THE CONTRACTOR SHALL IDENTIFY IN THE SPCD THE CONTRACTOR'S ON-SITE EMPLOYEES RESPONSIBLE FOR MONITORING COMPLIANCE WITH THE CSPP AND SPCD DURING CONSTRUCTION.
- THE CONTRACTOR SHALL CONDUCT INSPECTIONS TO ENSURE CONSTRUCTION PERSONNEL COMPLY WITH THE CSPP AND SPCD AND THAT THERE ARE NO ALTERED CONSTRUCTION ACTIVITIES THAT COULD CREATE POTENTIAL SAFETY HAZARDS.
- THE CONTRACTOR SHALL SUBMIT APPLICABLE 7460-1 FORMS.

THE CONTRACTOR'S SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) SHALL INCLUDE:

A STATEMENT BY THE CONSTRUCTION CONTRACTOR THAT HE/SHE HAS READ AND WILL ABIDE BY THE CSPP. IN ADDITION, THE SPCD MUST INCLUDE ALL SUPPLEMENTAL INFORMATION THAT COULD NOT BE INCLUDED IN THE CSPP PRIOR TO THE CONTRACT AWARD. THE CONTRACTOR STATEMENT SHOULD INCLUDE THE NAME OF THE CONTRACTOR, THE TITLE OF THE PROJECT CSPP, THE APPROVAL DATE OF THE CSPP, AND A REFERENCE TO ANY SUPPLEMENTAL INFORMATION (THAT IS, "I, NAME OF CONTRACTOR, HAVE READ THE TITLE OF PROJECT CSPP, APPROVED ON DATE, AND WILL ABIDE BY IT AS WRITTEN AND WITH THE FOLLOWING ADDITIONS AS NOTE:"). THE SUPPLEMENTAL INFORMATION IN THE SPCD SHOULD BE WRITTEN TO MATCH THE FORMAT OF THE CSPP INDICATING EACH SUBJECT BY SUPPLEMENTAL INFORMATION IS NECESSARY FOR ANY SPECIFIC SUBJECT. THE STATEMENT, "NO SUPPLEMENTAL INFORMATION," SHOULD BE WRITTEN AFTER THE CORRESPONDING SUBJECT TITLE. THE SPCD SHOULD NOT DUPLICATE INFORMATION IN THE CSPP.

GENERAL NOTES:

- GENERAL WORK OUTLINED IS NOT ALL INCLUSIVE.
- A MINIMUM OF 10 CALENDAR DAYS NOTICE SHALL BE PROVIDED TO THE ENGINEER AND AIRPORT BY THE CONTRACTOR PRIOR TO MOBILIZATION.
- A MINIMUM OF 15 CALENDAR DAYS NOTICE SHALL BE PROVIDED TO THE ENGINEER AND AIRPORT BY THE CONTRACTOR PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES UNRELATED TO MOBILIZATION.
- THE CONTRACTOR MUST SUBMIT A PRELIMINARY CONSTRUCTION CRITICAL PATH METHOD SCHEDULE 15 DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING, OUTLINING THE FOLLOWING: MOBILIZATION TIMELINE, LOCATION OF PROJECT ACTIVITIES WITH CORRESPONDING TIMELINES, ANTICIPATED BID ITEM MILESTONE AND COMPLETION DATES, AND KEY CONSTRUCTION OPERATION DATES WHICH MAY AFFECT AIRFIELD OPERATIONS OR ROADWAY TRAFFIC.
- CONSTRUCTION BARRICADES (INCLUDING SUPPLEMENTARY LIGHTS) NEEDED FOR PROPER EXECUTION OF THE WORK SHALL BE FURNISHED BY THE CONTRACTOR. BARRICADE TYPE AND GEOMETRIC LAYOUT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL NO LESS THAN 7 CALENDAR DAYS PRIOR TO THE DATE INTENDED TO PLACE THE BARRICADES AND DELINEATE A WORKING AREA.

AUGUSTA REGIONAL AIRPORT CHECKPOINT MODERNIZATION

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
9/13/24 BID SET



NOT FOR CONSTRUCTION

MSH NO.: 0119700-231215.02
DATE: 9/13/2024
DESIGNED BY: NJH
DRAWN BY: KEE
CHECKED BY: EJS
DO NOT SCALE DRAWINGS

SHEET CONTENTS
CONSTRUCTION SAFETY PHASING PLAN - NOTES

SHEET NO.

G-072

| OVERALL CONSTRUCTION SCHEDULE (245 CALENDAR DAYS) | | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|-------------|
| | WORK AREA 1 | WORK AREA 2 | WORK AREA 3 | WORK AREA 4 | WORK AREA 5 | WORK AREA 6 |
| ANTICIPATED SCHEDULE | 335 DAYS | | | | | |

ABBREVIATIONS:

| | |
|------|--------------------------|
| WA | WORK AREA |
| TWY | TAXIWAY |
| RWY | RUNWAY |
| Y | YES |
| N | NO |
| RSA | RUNWAY SAFETY AREA |
| ROFA | RUNWAY OBJECT FREE AREA |
| TSA | TAXIWAY SAFETY AREA |
| TOFA | TAXIWAY OBJECT FREE AREA |
| OFZ | OBSTACLE FREE ZONE |

MOBILIZATION PHASE (60 CALENDAR DAYS):

THE MOBILIZATION PHASE SHALL BEGIN IMMEDIATELY AFTER THE NOTICE TO PROCEED IS ISSUED BY THE AIRPORT. DURING THIS PHASE OF THE PROJECT, NO WORK SHALL BE CONDUCTED THAT RESTRICTS AIRPORT OPERATIONS UNLESS AUTHORIZED BY THE AIRPORT. NOTICE TO PROCEED WITH SUBSEQUENT SCHEDULES MAY BE GIVEN DURING MOBILIZATION AT THE AIRPORTS DISCRETION.

MOBILIZATION WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

- SUBMITTALS:
 - PROCESSING OF REQUIRED MATERIALS/EQUIPMENT SUBMITTALS AND THE CONTRACTOR'S PROPOSED WORK SCHEDULE, INCLUDING REQUESTED PAVEMENT CLOSURE DATES.
 - ALL PRE-QUALIFICATION TESTING, REVIEW, AND APPROVALS.
 - MATERIAL DELIVERY SCHEDULE, INCLUDING MATERIAL DELIVERY DATE TO JOB SITE OR TO THE CONTRACTOR'S YARD.
- DURING MOBILIZATION, THE CONTRACTOR SHALL BE ALLOWED TO PERFORM LAYOUT, LOCATES, STAKING, AND OTHER PREP WORK AS APPROVED BY THE AIRPORT.
- IT IS THE AIRPORT'S INTENT THAT ALL PRELIMINARY WORK BE COMPLETED DURING THE MOBILIZATION PHASE TO ENSURE CONSTRUCTION CAN BE PURSUED DILIGENTLY AND WITHOUT UNNECESSARY DELAY. (THE AIRPORT RESERVES THE RIGHT TO WAIVE CERTAIN ELEMENTS OF MOBILIZATION AND ISSUE A NOTICE TO PROCEED WITH CONSTRUCTION AT ITS DISCRETION OR UPON THE CONTRACTOR'S REQUEST.) SCHEDULE DATES SHALL NOT BE CHANGED, ONCE ESTABLISHED, UNLESS COORDINATION WITH THE CA TEAM AND FINAL APPROVAL OF THE AIRPORT.

GENERAL NOTES:

- GENERAL WORK SCOPE IS NOT ALL INCLUSIVE. REFER TO CONTRACT DRAWINGS FOR COMPLETE SCOPE OF WORK FOR EACH SCHEDULE.
- A MINIMUM OF 10 CALENDAR DAYS NOTICE SHALL BE PROVIDED TO THE ENGINEER AND AIRPORT BY THE CONTRACTOR PRIOR TO MOBILIZATION.
- A MINIMUM OF 15 CALENDAR DAYS NOTICE SHALL BE PROVIDED TO THE ENGINEER AND AIRPORT BY THE CONTRACTOR PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES UNRELATED TO MOBILIZATION.
- THE CONTRACTOR MUST SUBMIT A PRELIMINARY CONSTRUCTION CRITICAL PATH METHOD SCHEDULE 15 DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING OUTLINING THE FOLLOWING: MOBILIZATION TIMELINE, LOCATION OF PROJECT ACTIVITIES WITH CORRESPONDING TIMELINES, ANTICIPATED BID ITEM MILESTONE AND COMPLETION DATES, AND KEY CONSTRUCTION OPERATION DATES WHICH MAY AFFECT AIRFIELD OPERATIONS OR ROADWAY TRAFFIC.
- HOURS OF AIR TRAFFIC CONTROL TOWER OPERATIONS ARE FROM 6:45AM TO 11:00PM LOCAL TIME.
- SEE SPECIAL PROVISIONS FOR DETAILS ON CONSTRUCTION LIMITATIONS. CLOSURE OF EXISTING AIRFIELD PAVEMENTS WILL BE ALLOWED ONLY ONCE THE FOLLOWING CONDITIONS ARE MET:
 - 48-HOUR ADVANCE NOTIFICATION, VERIFYING THAT A PREVIOUSLY APPROVED CLOSURE PERIOD WILL BE AS SCHEDULED.
 - A CLOSURE SCHEDULE FOR EACH AREA OF CONSTRUCTION HAS BEEN SUBMITTED TO THE ENGINEER FOR REVIEW AND HAS BEEN APPROVED. THESE SCHEDULES SHALL DETAIL TEMPORARY ACCESS ROUTES (IF APPLICABLE), SAFETY MEASURES, AND TIME LIMITS OF CLOSURE FOR EACH AREA. FAILURE TO OPEN AIRFIELD PAVEMENTS WITHIN THE APPROVED TIME LIMITS MAY RESULT IN LIQUIDATED DAMAGES.
- THE AUGUSTA AIRPORT EXPERIENCES HIGH TRAFFIC VOLUMES DURING THE MASTERS WEEK THAT OCCURS THE FIRST OR SECOND WEEK OF APRIL EVERY YEAR. THE BIDDER IS ADVISED THAT A TEMPORARY SUSPENSION OF WORK WILL OCCUR DURING THIS PERIOD OF TIME. (APRIL 4TH THROUGH APRIL 15TH, 2025)
- ANY ADDITIONAL LOW-PROFILE BARRICADES (INCLUDING SUPPLEMENTARY LIGHTS) NEEDED FOR PROPER EXECUTION OF THE WORK SHALL BE PROVIDED BY THE CONTRACTOR.
- CONTRACTOR IS REQUIRED TO FOLLOW STATE, LOCAL, AND FEDERAL GUIDELINES REGARDING COVID.

AUGUSTA RICHMOND COUNTY GENERAL NOTES:

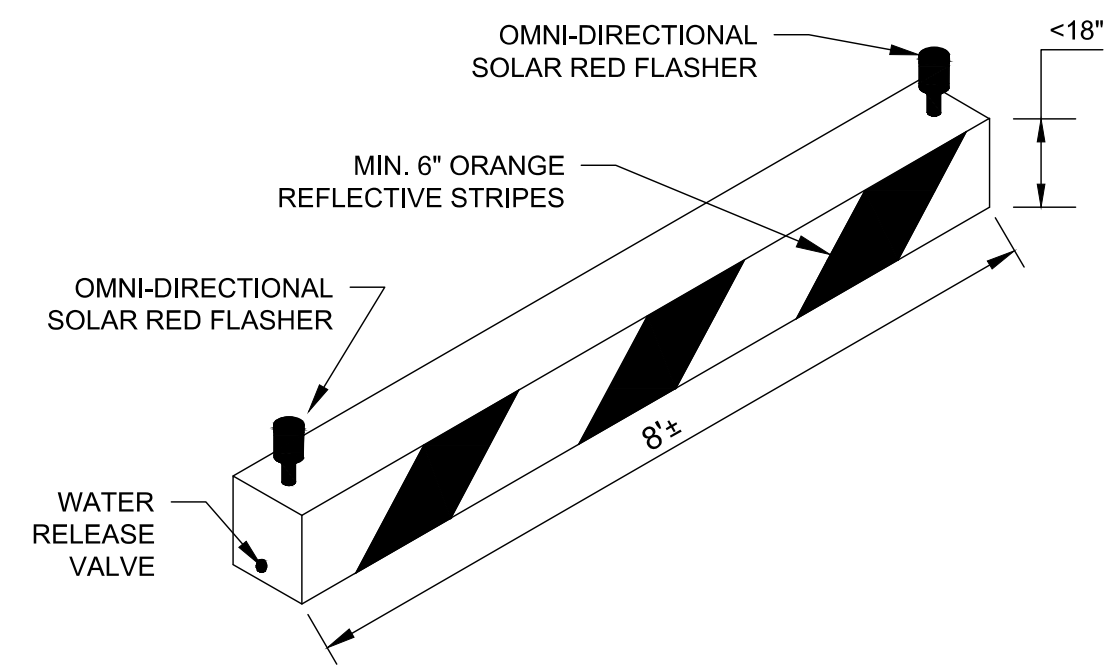
- ALL DRAINAGE EASEMENTS AND DISTURBED AREAS MUST BE GRASSED AND/OR RIP-RAPPED AS REQUIRED TO CONTROL EROSION.
- ALL CONSTRUCTION WITHIN AUGUSTA RIGHTS-OF WAY SHALL CONFORM TO AUGUSTA, GEORGIA STANDARDS AND SPECIFICATIONS.
- ALL SILT BARRIERS MUST BE PLACED IMMEDIATELY FOLLOWING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION IS COMPLETED.
- CONTRACTOR SHALL CONTACT THE INSPECTION DIVISION OF THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS PRIOR TO STARTING WORK ON THE PROJECT. THE PHONE NUMBER FOR THIS OFFICE IS (706) 821-1706.
- THE COST OF INSPECTION BY THE CITY OF AUGUSTA-RICHMOND COUNTY'S DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, BEFORE OR AFTER REGULAR WORKING HOURS, ON SATURDAYS, SUNDAYS, OR LEGAL HOLIDAYS, SHALL BE PAID FOR BY THE INDIVIDUAL REQUESTING THE INSPECTION AT A RATE OF 1 1/2 TIMES THE REGULAR SALARY PER HOUR OF THE INSPECTOR PLUS 7.65% FROM THE EMPLOYER'S FICA/MEDICARE MATCH. APPROVAL FOR THE INSPECTION OUTSIDE OF NORMAL WORKING HOURS SHALL BE OBTAINED FROM THE CITY ENGINEER 48-HOURS IN ADVANCE. PRIOR TO THE COMMENCEMENT OF WORK REQUIRING INSPECTION OUTSIDE OF NORMAL WORKING HOURS, THE INDIVIDUAL REQUESTING THE INSPECTION SHALL SIGN A FORM WHICH IS FURNISHED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AGREEING TO PAY THE OVERTIME. THE INDIVIDUAL REQUESTING THE INSPECTION SHALL SIGN A FORM WHICH IS FURNISHED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AGREEING TO PAY THE OVERTIME. THE INDIVIDUAL REQUESTING THE INSPECTION WILL BE BILLED BY THE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING FOR PAYMENT.
- A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION. THIS MEETING SHALL BE SCHEDULED WITH THE DEPARTMENT OF PUBLIC WORKS AT THE TIME THE NOTIFICATION OF WORK COMMENCEMENT IS GIVEN.

REQUIREMENTS FOR AIRPORT SECURITY, SAFETY AND CONTRACTOR OPERATIONS:

- ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE SPECIFICATION GENERAL PROVISIONS, SAFETY, AIRPORT SECURITY, AND OPERATING REGULATIONS AND THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP).
- CONTRACTOR SHALL NOT ENTER ANY ACTIVE SAFETY AREAS OR OBJECT FREE AREAS WITHOUT AUTHORIZATION FROM THE AIRPORT.
- A RUNWAY SAFETY AREA (RSA) AND OBSTACLE FREE ZONE (OFZ) EXISTS AROUND EACH RUNWAY WHICH LIMITS CONSTRUCTION ACTIVITIES ADJACENT TO OPERATIONAL RUNWAYS. CONSTRUCTION PERSONNEL AND EQUIPMENT SHALL NOT CROSS RSAs OR OFZs WITHOUT AIRPORT AUTHORIZATION.
- THE RUNWAY 17-35 SAFETY AREA (RSA) IS 250-FEET EACH SIDE OF THE RUNWAY CENTERLINE AND 1000 FEET BEYOND THE RUNWAY ENDS. THE RUNWAY 8-26 SAFETY AREA (RSA) IS 75-FEET EACH AND 300 FEET OFF EACH SIDE OF THE RUNWAY CENTERLINE. IT SHALL REMAIN CLEAR OF PERSONNEL, MATERIAL AND EQUIPMENT AT ALL TIMES.
- THE RUNWAY 17-35 OBSTACLE FREE ZONE (OFZ) IS 200-FEET EACH SIDE OF CENTERLINE AND 200-FEET BEYOND THE RUNWAY ENDS. THE RUNWAY 8-26 OBSTACLE FREE ZONE (OFZ) IS 125-FEET EACH SIDE OF CENTERLINE AND 200-FEET BEYOND THE RUNWAY ENDS. IT SHALL REMAIN CLEAR OF PERSONNEL, MATERIALS, AND EQUIPMENT AT ALL TIMES.
- IN TRANSITIONS FROM PAVED TO UNPAVED AREAS, A TEMPORARY 3 INCH MAXIMUM VERTICAL DROP IS ALLOWED.
- DAILY SAFETY INSPECTIONS SHALL BE PERFORMED AS REQUIRED IN THE CSPP.

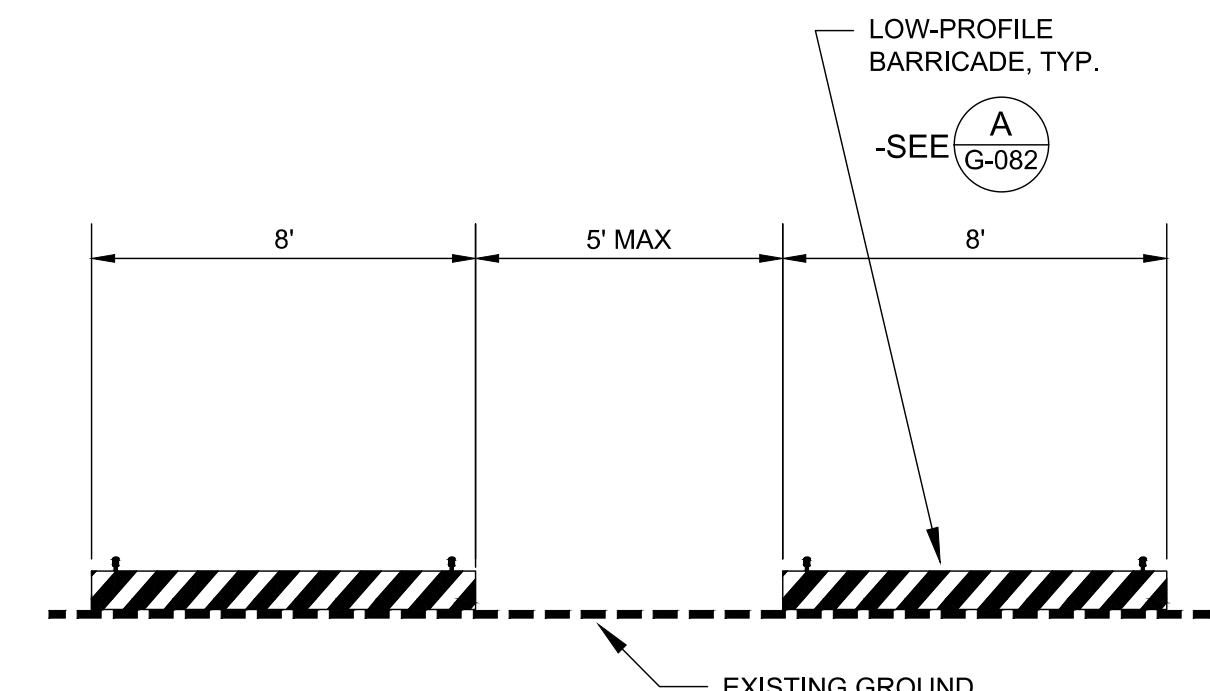
CONTRACTOR NOTES:

- THE CONTRACTOR SHALL DESIGNATE A PERSON ON CALL 24 HOURS A DAY, 7 DAYS A WEEK, FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING AND BARRICADES. THIS CONTACT INFORMATION MUST BE ON FILE WITH THE AIRPORT OPERATOR.



- NOTES:**
- MAINTENANCE OF LOW-PROFILE BARRICADES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR THE DURATION OF THE PROJECT.
 - GAPS IN BARRICADES SHALL NOT EXCEED 5-FEET.

LOW-PROFILE BARRICADE DETAIL
SCALE: NTS



LOW-PROFILE BARRICADE LAYOUT DETAIL
SCALE: NTS

AUGUSTA REGIONAL AIRPORT CHECKPOINT MODERNIZATION

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

ISSUED
9/13/24 BID SET



NOT FOR CONSTRUCTION

MSH NO.: 0119700-231215.02
DATE: 9/13/2024
DESIGNED BY: KEE
DRAWN BY: KEE
CHECKED BY: EJS
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SHEET CONTENTS
CONSTRUCTION SAFETY PHASING PLAN - WA MATRIX

SHEET NO.

G-081

PROJECT PHASING

WA 5 WORK AREA 5

LEGEND

← → TEMPORARY HAUL ROUTE
 -XXXXXXXXXX- LOW-PROFILE BARRICADES

NOTES:

1. NO WORK SHALL BEGIN IN ANY WORK AREA UNTIL COMPLETION OF THE MOBILIZATION PHASE.
2. CONSTRUCTION WITHIN WORK AREA 5 SHALL BE SEQUENCED AND PHASED AS NECESSARY TO COMPLY WITH PROVISIONS CONTAINED IN THE CONTRACT DOCUMENTS. WORK IN WORK AREA 5 SHALL NOT BEGIN UNTIL THE AIRPORT HAS ISSUED A CONSTRUCTION NOTICE TO PROCEED FOR THE PROJECT.
3. CONSTRUCTION STAGING AND EQUIPMENT PARKING SHALL BE IN THE DESIGNATED AREAS ONLY OR AS OTHERWISE APPROVED BY THE AIRPORT AND CA TEAM.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DUST, DEBRIS, OR FOD GENERATED FROM CONSTRUCTION OPERATIONS. STAGING AREAS, WORK AREAS, AND HAUL ROUTES SHALL BE ROUTINELY INSPECTED FOR FOD AND SWEEP CLEAN IMMEDIATELY IF NOTICED.
5. CONTRACTOR TO ACCESS WORK AREA 5 IN ACCORDANCE WITH HAUL ROUTES SHOWN ON SHEET G-082.
6. CONTRACTOR SHALL FOLLOW PHASING PLAN PROVIDED IN CONSTRUCTION SAFETY AND PHASING PLAN (CSPP). CONTRACTOR SHALL ADD PROJECT SPECIFIC DETAILS SUCH AS DATES, ANTICIPATED NUMBER OF CALENDAR DAYS USED, AND ANY OTHER ADDITIONS/MODIFICATION TO THE CSPP FOR APPROVAL BY THE AIRPORT PRIOR TO MOBILIZATION.
7. ACCESS TO RUNWAYS AND TAXIWAYS IS PROHIBITED WITHOUT PRIOR COORDINATION WITH THE ENGINEER AND THE AIRPORT.
8. THE CONTRACTOR SHALL INSTALL LOW-PROFILE BARRICADES AS SHOWN.
9. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE ESCORTING OF ALL SUBCONTRACTORS FOR WORK DURING THIS PHASE. ESCORTS MUST PASS THE AIRFIELD DRIVERS TRAINING CLASS AND MUST HAVE AN ACTIVE AIRPORT BADGE WITH ESCORTING PRIVILEGES.
10. CONTRACTOR EQUIPMENT AND VEHICLES SHALL NOT EXCEED 5 MPH WHEN OPERATING AROUND AIRCRAFT
11. WARNING: CONTRACTOR EQUIPMENT AND VEHICLES SHALL YIELD TO ALL AIRCRAFT

COMMERCIAL TERMINAL
 HOLDROOM

PROPOSED CONTRACTOR
 ACCESS VIA GATE

PROPOSED CONTRACTOR
 STAGING AREA

KEY MAP

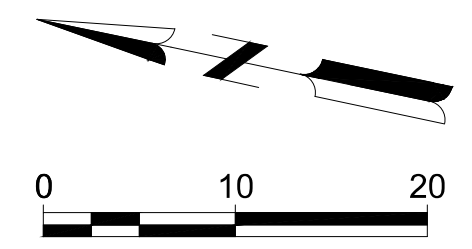
HAUL ROUTE

WA 5

CONSTRUCTION SAFETY & PHASING - WA 5

SCALE: 1" = 10'

1
 G-088



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SHEET CONTENTS
CONSTRUCTION SAFETY PHASING PLAN - WORK AREA 5

SHEET NO.

G-088

| WORK AREA | GENERAL WORK SCOPE | AFFECTED AOA | WORK HOURS | ANTICIPATED SCHEDULE | SAFETY AND SECURITY |
|-----------|---|---------------------------------------|---|---|---|
| WA 5 | INCLUDING BUT NOT LIMITED TO THE DEMOLITION OF THE EXISTING SECURITY SCREENING CHECKPOINT AND RELOCATION OF SCREENING EQUIPMENT TO NEW LOCATIONS. SEE DISCIPLINE SPECIFIC SHEETS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. | COMMERCIAL TERMINAL, COMMERCIAL APRON | 24 HRS IMPROVEMENTS WITHIN THE (E) HOLDROOM SHALL BE COMPLETED DURING NIGHTTIME OPERATIONS TO LIMIT IMPACT TO PASSENGERS (PAINTING, FLOORING, FURNITURE, ETC.) | 335 TOTAL CALENDAR DAYS (CONCURRENT WITH OTHER PHASES) | <ol style="list-style-type: none"> 1. THE CONTRACTOR SHALL INSTALL LOW-PROFILE BARRICADES AS SHOWN. 2. THE CONTRACTOR SHALL NOTIFY THE AIRPORT AT LEAST 5 DAYS IN ADVANCE OF WORK FOR NOTAM OF CONSTRUCTION ACTIVITY TO BE POSTED. 3. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE ESCORTING OF ALL SUBCONTRACTORS FOR WORK DURING THIS PHASE. ESCORTS MUST PASS THE AIRFIELD DRIVERS TRAINING CLASS AND MUST HAVE AN ACTIVE BADGE WITH ESCORTING PRIVILEGES. |

PROJECT PHASING

LEGEND

- WA 6 WORK AREA 6
- TEMPORARY HAUL ROUTE
- LOW-PROFILE BARRICADES

NOTES:

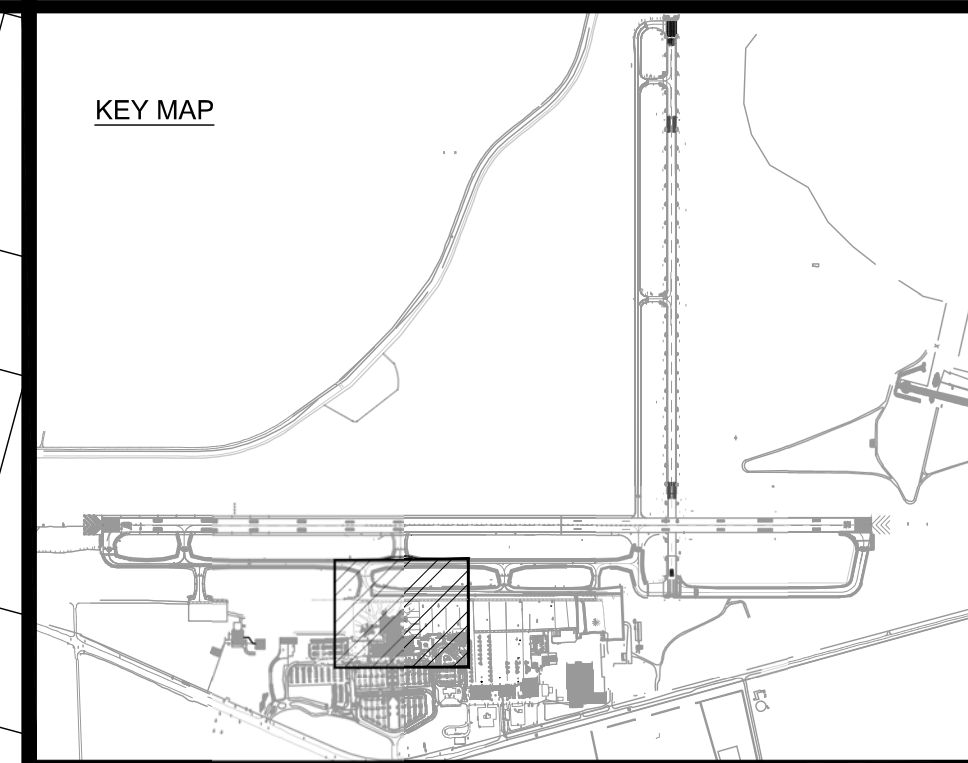
1. NO WORK SHALL BEGIN IN ANY WORK AREA UNTIL COMPLETION OF THE MOBILIZATION PHASE.
2. CONSTRUCTION WITHIN WORK AREA 6 SHALL BE SEQUENCED AND PHASED AS NECESSARY TO COMPLY WITH PROVISIONS CONTAINED IN THE CONTRACT DOCUMENTS. WORK IN WORK AREA 6 SHALL NOT BEGIN UNTIL THE AIRPORT HAS ISSUED A CONSTRUCTION NOTICE TO PROCEED FOR THE PROJECT.
3. CONSTRUCTION STAGING AND EQUIPMENT PARKING SHALL BE IN THE DESIGNATED AREAS ONLY OR AS OTHERWISE APPROVED BY THE AIRPORT AND CA TEAM.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DUST, DEBRIS, OR FOD GENERATED FROM CONSTRUCTION OPERATIONS. STAGING AREAS, WORK AREAS, AND HAUL ROUTES SHALL BE ROUTINELY INSPECTED FOR FOD AND SWEEP CLEAN IMMEDIATELY IF NOTICED.
5. CONTRACTOR TO ACCESS WORK AREA 6 IN ACCORDANCE WITH HAUL ROUTES SHOWN ON SHEET G-082.
6. CONTRACTOR SHALL FOLLOW PHASING PLAN PROVIDED IN CONSTRUCTION SAFETY AND PHASING PLAN (CSPP). CONTRACTOR SHALL ADD PROJECT SPECIFIC DETAILS SUCH AS DATES, ANTICIPATED NUMBER OF CALENDAR DAYS USED, AND ANY OTHER ADDITIONS/MODIFICATION TO THE CSPP FOR APPROVAL BY THE AIRPORT PRIOR TO MOBILIZATION.
7. ACCESS TO RUNWAYS AND TAXIWAYS IS PROHIBITED WITHOUT PRIOR COORDINATION WITH THE ENGINEER AND THE AIRPORT.
8. THE CONTRACTOR SHALL INSTALL LOW-PROFILE BARRICADES AS SHOWN.
9. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE ESCORTING OF ALL SUBCONTRACTORS FOR WORK DURING THIS PHASE. ESCORTS MUST PASS THE AIRFIELD DRIVERS TRAINING CLASS AND MUST HAVE AN ACTIVE AIRPORT BADGE WITH ESCORTING PRIVILEGES.
10. CONTRACTOR EQUIPMENT AND VEHICLES SHALL NOT EXCEED 5 MPH WHEN OPERATING AROUND AIRCRAFT
11. WARNING: CONTRACTOR EQUIPMENT AND VEHICLES SHALL YIELD TO ALL AIRCRAFT

COMMERCIAL TERMINAL HOLDROOM

PROPOSED CONTRACTOR ACCESS VIA GATE

PROPOSED CONTRACTOR STAGING AREA

HAUL ROUTE



Mead & Hunt

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AUGUSTA REGIONAL AIRPORT CHECKPOINT MODERNIZATION

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AUGUSTA, GA 30906-9620

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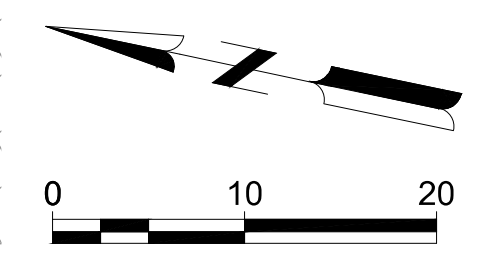
SHEET CONTENTS
CONSTRUCTION SAFETY PHASING PLAN - WORK AREA 6

SHEET NO.

G-089

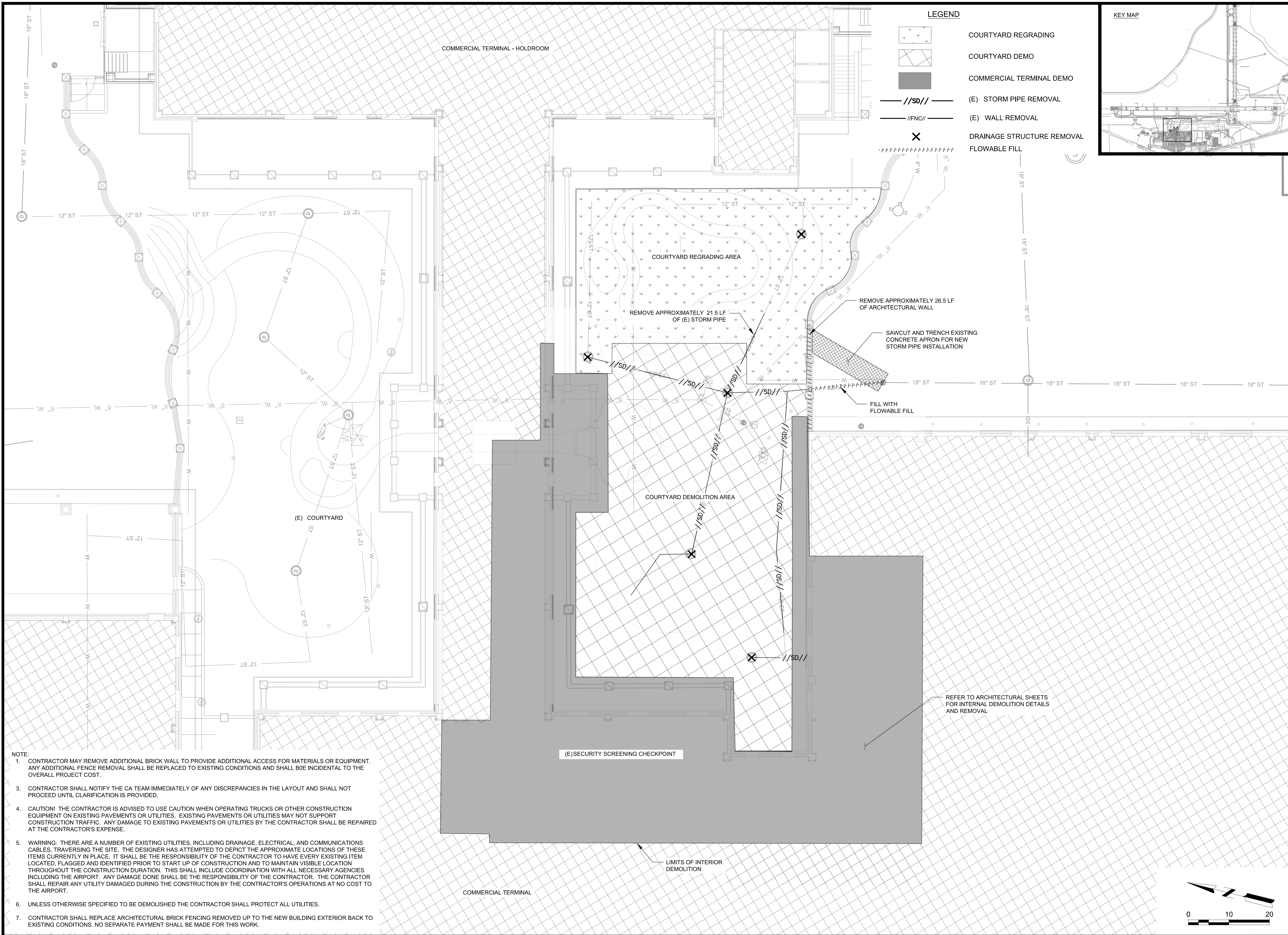
CONSTRUCTION SAFETY & PHASING - WA 6
SCALE: 1" = 30'

1
G-089



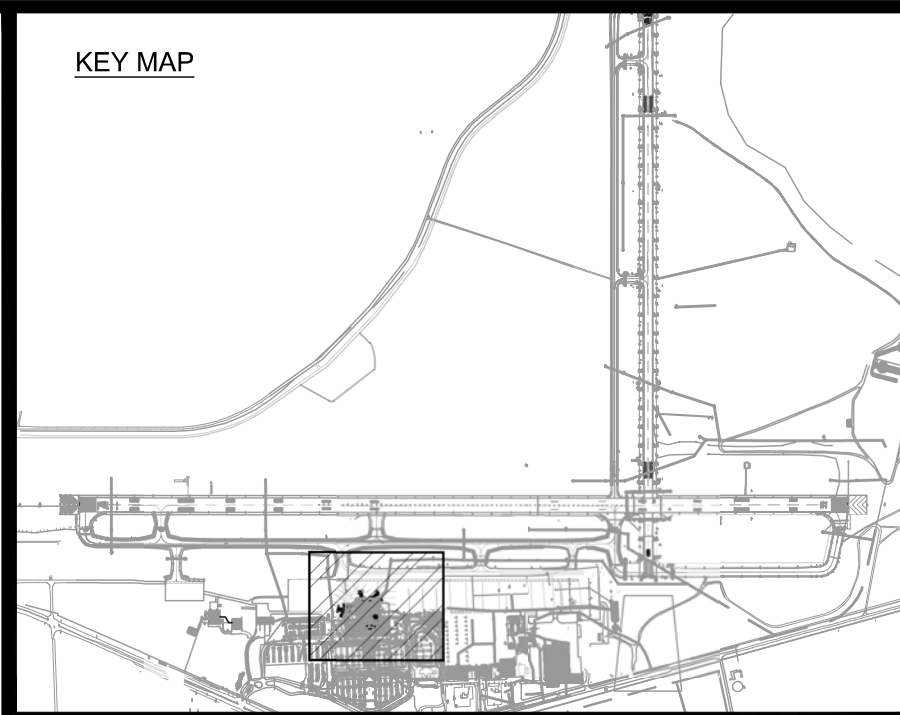
| WORK AREA | GENERAL WORK SCOPE | AFFECTED AOA | WORK HOURS | ANTICIPATED SCHEDULE | SAFETY AND SECURITY |
|-----------|--|---------------------------------------|---|---|---|
| WA 6 | INCLUDING BUT NOT LIMITED TO THE CONSTRUCTION OF TEMPORARY WALLS, OFFICE AND STORAGE ROOMS, AND THE RENOVATION OF THE EXISTING SECURITY SCREENING CHECKPOINT AREA. SEE DISCIPLINE SPECIFIC SHEETS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. | COMMERCIAL TERMINAL, COMMERCIAL APRON | 24 HRS IMPROVEMENTS WITHIN THE (E) HOLDROOM SHALL BE COMPLETED DURING NIGHTTIME OPERATIONS TO LIMIT IMPACT TO PASSENGERS (PAINTING, FLOORING, FURNITURE, ETC.) | 335 TOTAL CALENDAR DAYS (CONCURRENT WITH OTHER PHASES) | <ol style="list-style-type: none"> 1. THE CONTRACTOR SHALL INSTALL LOW-PROFILE BARRICADES AS SHOWN. 2. THE CONTRACTOR SHALL NOTIFY THE AIRPORT AT LEAST 5 DAYS IN ADVANCE OF WORK FOR NOTAM OF CONSTRUCTION ACTIVITY TO BE POSTED. 3. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE ESCORTING OF ALL SUBCONTRACTORS FOR WORK DURING THIS PHASE. ESCORTS MUST PASS THE AIRFIELD DRIVERS TRAINING CLASS AND MUST HAVE AN ACTIVE BADGE WITH ESCORTING PRIVILEGES. |

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LEGEND

| | |
|--|----------------------------|
| | COURTYARD REGRADING |
| | COURTYARD DEMO |
| | COMMERCIAL TERMINAL DEMO |
| | (E) STORM PIPE REMOVAL |
| | (E) WALL REMOVAL |
| | DRAINAGE STRUCTURE REMOVAL |
| | FLOWABLE FILL |



AGS AUGUSTA REGIONAL AIRPORT

Mead & Hunt

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Lexington, SC 29072
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**AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION**

1501 AVIATION WAY
AUGUSTA, GA 30906-9620

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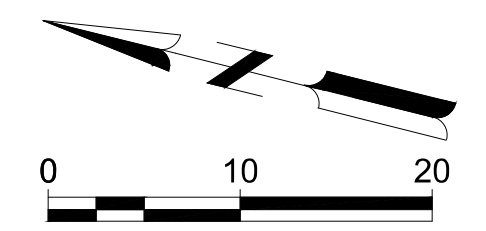
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DATE: 9/13/2024
DESIGNED BY: NJH
DRAWN BY: NJH
CHECKED BY: EJS
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SHEET CONTENTS
DEMOLITION PLAN

SHEET NO.

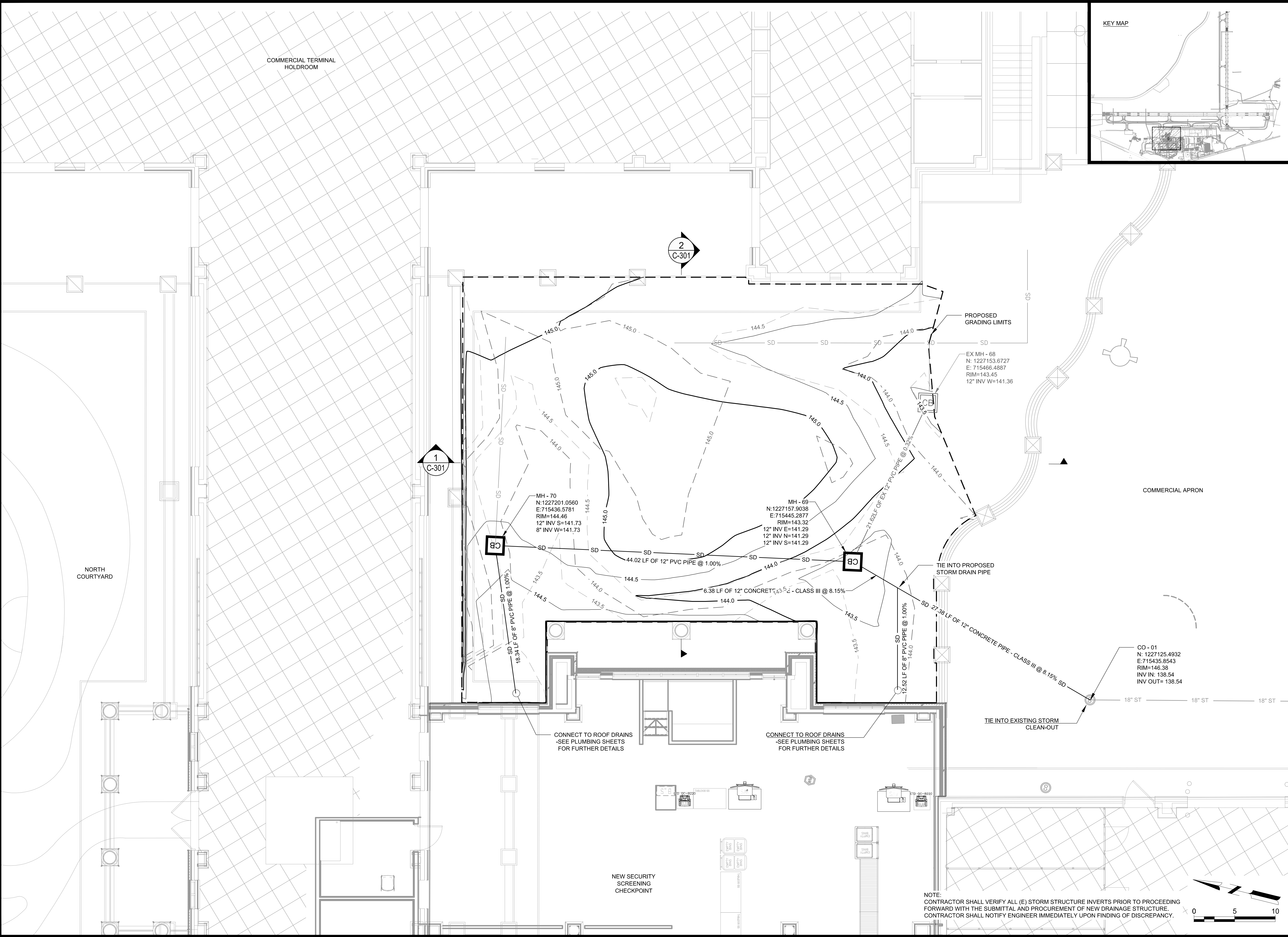
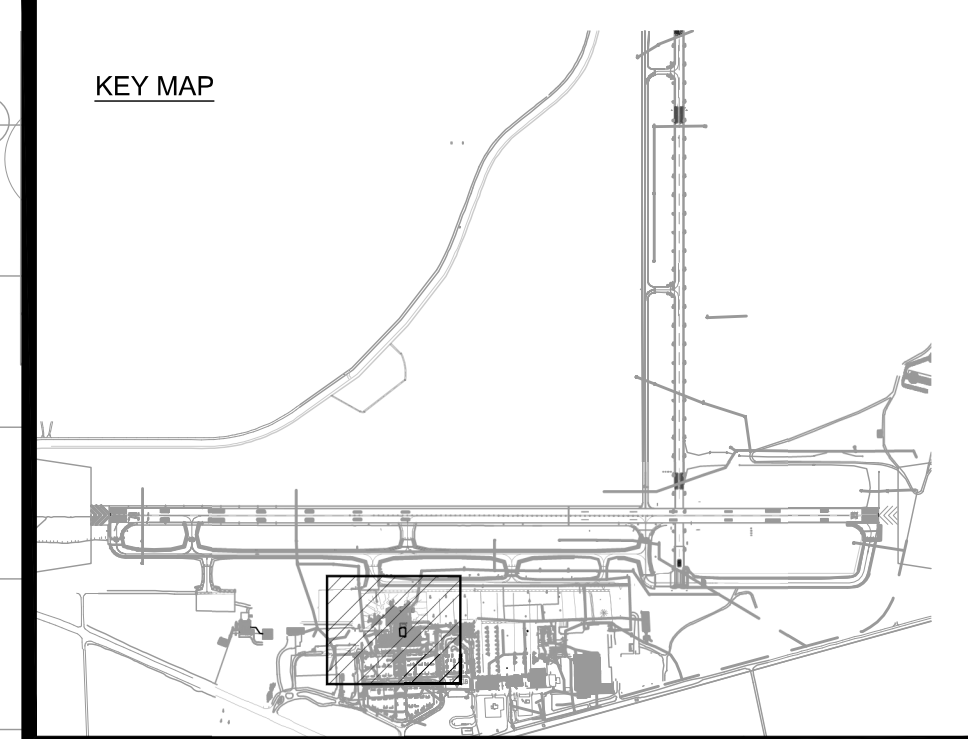
C-051

- NOTE:**
- CONTRACTOR MAY REMOVE ADDITIONAL BRICK WALL TO PROVIDE ADDITIONAL ACCESS FOR MATERIALS OR EQUIPMENT. ANY ADDITIONAL FENCE REMOVAL SHALL BE REPLACED TO EXISTING CONDITIONS AND SHALL BE INCIDENTAL TO THE OVERALL PROJECT COST.
 - CONTRACTOR SHALL NOTIFY THE CA TEAM IMMEDIATELY OF ANY DISCREPANCIES IN THE LAYOUT AND SHALL NOT PROCEED UNTIL CLARIFICATION IS PROVIDED.
 - CAUTION! THE CONTRACTOR IS ADVISED TO USE CAUTION WHEN OPERATING TRUCKS OR OTHER CONSTRUCTION EQUIPMENT ON EXISTING PAVEMENTS OR UTILITIES. EXISTING PAVEMENTS OR UTILITIES MAY NOT SUPPORT CONSTRUCTION TRAFFIC. ANY DAMAGE TO EXISTING PAVEMENTS OR UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - WARNING: THERE ARE A NUMBER OF EXISTING UTILITIES, INCLUDING DRAINAGE, ELECTRICAL, AND COMMUNICATIONS CABLES, TRaversing THE SITE. THE DESIGNER HAS ATTEMPTED TO DEPICT THE APPROXIMATE LOCATIONS OF THESE ITEMS CURRENTLY IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY EXISTING ITEM LOCATED, FLAGGED AND IDENTIFIED PRIOR TO START UP OF CONSTRUCTION AND TO MAINTAIN VISIBLE LOCATION THROUGHOUT THE CONSTRUCTION DURATION. THIS SHALL INCLUDE COORDINATION WITH ALL NECESSARY AGENCIES INCLUDING THE AIRPORT. ANY DAMAGE DONE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY UTILITY DAMAGED DURING THE CONSTRUCTION BY THE CONTRACTOR'S OPERATIONS AT NO COST TO THE AIRPORT.
 - UNLESS OTHERWISE SPECIFIED TO BE DEMOLISHED THE CONTRACTOR SHALL PROTECT ALL UTILITIES.
 - CONTRACTOR SHALL REPLACE ARCHITECTURAL BRICK FENCING REMOVED UP TO THE NEW BUILDING EXTERIOR BACK TO EXISTING CONDITIONS. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.



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**AUGUSTA REGIONAL AIRPORT
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1501 AVIATION WAY
AUGUSTA, GA 30906-9620

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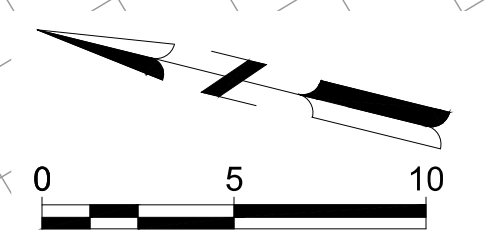
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DATE: 9/13/2024
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CHECKED BY: EJS
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SHEET CONTENTS
GRADING & STORM
DRAINAGE PLAN

SHEET NO.

C-101

NOTE:
CONTRACTOR SHALL VERIFY ALL (E) STORM STRUCTURE INVERTS PRIOR TO PROCEEDING FORWARD WITH THE SUBMITTAL AND PROCUREMENT OF NEW DRAINAGE STRUCTURE. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY UPON FINDING OF DISCREPANCY.



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STRUCTURAL ABBREVIATIONS:

| A | H | Q |
|--|---|--|
| ADDL ADJ ALT ALUM AR ARCH | ADDITIONAL ADJACENT ALTERNATE ALUMINUM ANCHOR ROD ARCHITECT | HK HOOK HORIZ HORIZONTAL HSA HEADED STUD ANCHOR HSS HOLLOW STRUCTURAL SHAPE HT HEIGHT |
| B | I | R |
| BDE BFE BM BOT BP BR BTWN | BOTTOM OF DECK ELEVATION BOTTOM OF FOOTING ELEVATION BEAM BOTTOM BEARING PLATE / BASE PLATE BOTTOM REINFORCING BETWEEN | REINFORCING /REINFORCING REQUIRED REVISION ROUGH OPENING RUGGED STRUCTURAL SCREW ROOF TOP UNIT |
| C | J | S |
| CANTL CFS CGS CIP CJ CJP CL CLR CMU COL CONC CONN(S) CONST CONT | CANTILEVER COLD-FORMED STEEL CENTER OF GRAVITY STRAND CAST IN PLACE CONTROL JOINT COMPLETE JOINT PENETRATION CENTER LINE CLEAR CONCRETE MASONRY UNIT COLUMN CONCRETE CONNECTION(S) CONSTRUCTION CONTINUOUS | SB SOIL BORING SC SLIP CRITICAL SCHED SCHEDULE SER STRUCTURAL ENGINEER OF RECORD SF SQUARE FOOT SIM SIMILAR SL SNOW LOAD SOG SLAB ON GRADE SPACES SPA SPECIFICATION SPF SPRUCE PINE FIR SS STAINLESS STEEL SSLT SHORT-SLOT LOAD TRANSVERSE STD STANDARD STIFF STIFFENER STL STEEL STRUCT STRUCTURE / STRUCTURAL SYM SYMMETRICAL SYP SOUTHERN YELLOW PINE |
| D | K | T |
| d db DBA DBL DEG DEMO DF DIA DIAG DIM DL | NAIL DIAMETER BAR DIAMETER DEFORMED BAR ANCHOR DOUBLE DEGREE DEMOLITION DOUGLAS FIR-LARCH DIAMETER DIAGONAL DIMENSION DEAD LOAD | T/G TONGUE AND GROOVED TBE TOP OF BEAM ELEVATION TDE TOP OF DECK ELEVATION TEMP TEMPORARY TFE TOP OF FOOTING ELEVATION TGBE TOP OF GRADE BEAM ELEVATION TPCE TOP OF PILE CAP ELEVATION TPCPE TOP OF PRECAST PLANK ELEVATION TPE TOP OF PIER ELEVATION TR TOP REINFORCING TRANS TRANSVERSE TSE TOP OF SHEATHING ELEVATION TSE TOP OF SLAB ELEVATION TSE TOP OF SUBFLOOR ELEVATION TWE TOP OF WALL ELEVATION TYP TYPICAL |
| E | L | U |
| EA EF EL ELEC ELEV EJ EMBED EQ EQUIP ES EW E-W (E) EXP F | EACH EACH FACE ELEVATION ELECTRICAL ELEVATOR EXPANSION JOINT EMBEDMENT EQUAL EQUIPMENT EACH SIDE EACH WAY EAST - WEST DIRECTION EXISTING EXPANSION | UNO UNLESS NOTED OTHERWISE URM UNREINFORCED MASONRY |
| FDN FD FFE FLR FS FT FTG FV | FOUNDATION FLOOR DRAIN FINISHED FLOOR ELEVATION FLOOR FOOTING STEP FEET FOOTING FIELD VERIFY | V VERTICAL W |
| G | M | W |
| GA GALV GB GC GLB GR GSN GWB | GAGE/GAUGE GALVANIZED GRADE BEAM GENERAL CONTRACTOR GLUE LAMINATED BEAM GRADE GENERAL STRUCTURAL NOTES GYPSUM WALL BOARD | W/ WITH W/O WITHOUT WD WOOD WF WIDE FLANGE WL WIND LOAD WP WORK POINT WT WEIGHT WWF WELDED WIRE FABRIC |
| | N | |
| | OC ON CENTER OD OUTSIDE DIAMETER OSF OUTSIDE FACE OPNG OPENING OPP OPPOSITE O/O OUT TO OUT | |
| | P | |
| | PAF POWER ACTUATED FASTENER PC PRECAST CONCRETE PL PLATE PLF POUNDS PER LINEAL FOOT PLYWD PLYWOOD PRE FAB PREFABRICATED PROJ PROJECTION PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PSL PARALLEL STRAND LUMBER PT POST TENSIONED | |

MARKS AND SYMBOLS LEGEND:

MARKS:

| | |
|----------|---|
| B1001 | CONCRETE BEAM MARK NUMBER |
| B1001-PT | POST TENSIONED CONCRETE BEAM MARK NUMBER |
| BP1 | BEARING / BASE PLATE MARK NUMBER |
| BRF1 | BRACE FRAME MARK NUMBER |
| BR1 | MILD STEEL BOTTOM REINFORCING MARK NUMBER |
| C1 | COLUMN MARK NUMBER |
| CC1 | CONCRETE COLUMN MARK NUMBER |
| CW1 | CONCRETE WALL NUMBER |
| D1 | STEEL DECK MARK NUMBER |
| DC1 | DROP CAPITAL MARK NUMBER |
| DP1 | DRILLED PIER MARK NUMBER |
| DPC1 | DRILLED PIER CAP NUMBER |
| EP1 | EMBEDDED PLATE MARK NUMBER |
| F1 | SPREAD FOOTING MARK NUMBER |
| GB1 | GRADE BEAM MARK NUMBER |
| H1 | HEADER MARK NUMBER |
| HCP | HOLLOW CORE PLANK |
| HD1 | HOLD DOWN MARK NUMBER |
| J10 | JOIST MARK NUMBER |
| L1 | LINTEL MARK NUMBER |
| MC1 | MASONRY COLUMN MARK NUMBER |
| MF1 | MOMENT FRAME MARK NUMBER |
| MW1 | MASONRY WALL NUMBER |
| P1 | PIER MARK NUMBER |
| PC1 | PILE CAP MARK NUMBER |
| RD1 | ROOF DECK MARK NUMBER |
| S1 | SLAB MARK NUMBER |
| SC1 | STEEL COLUMN MARK NUMBER |
| SR1 | STUD RAIL REINFORCING MARK NUMBER |
| SW1 | SHEAR WALL MARK NUMBER |
| T1 | TRUSS MARK NUMBER |
| TR1 | MILD STEEL TOP REINFORCING MARK NUMBER |
| W1 | WALL MARK NUMBER |
| WC1 | WOOD COLUMN MARK NUMBER |
| WF1 | WALL FOOTING MARK NUMBER |
| WO1 | WEB OPENING |

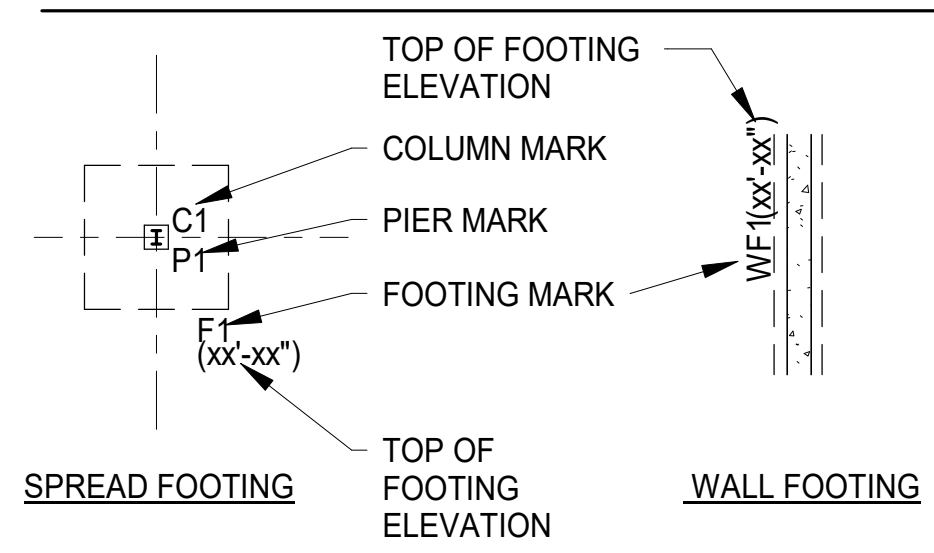
GENERAL SYMBOLS:

| | |
|--------|--|
| --- | APPROXIMATE LOCATION OF DRAIN TILE |
| --- | MATCH LINE |
| --- | LINE OF DEMOLITION |
| --- | SLAB STEP LOCATION WITH ELEVATIONS |
| --- | SLAB STEP LOCATION |
| --- | CHANGE IN SLAB SLOPE |
| --- | CHANGE IN SLAB THICKNESS |
| 1 | KEYNOTE MARK NUMBER |
| ? | NEW BUILDING GRID LINE |
| ? | EXISTING BUILDING GRID LINE |
| ● | ELEVATION MARKER |
| ■ | SHADED AREA INDICATES CUT THROUGH EXISTING CONSTRUCTION |
| ■ | SHADED AREA INDICATES PROJECTION OF EXISTING CONSTRUCTION |
| W1 | WALL MARK NUMBER OR WALL TYPE |
| --- | APPROXIMATE LOCATION OF UTILITY PIPE PENETRATION THROUGH FOUNDATION WALL |
| FS | FOOTING STEP LOCATION |
| SB1 | APPROXIMATE LOCATION OF SOIL BORING |
| ○ | COMPRESSION PILE |
| ⊕ | TENSION / COMPRESSION PILE |
| ⊗ | TEST PILE |
| → | SPAN DIRECTION OF ELEMENT |
| ← | EXTENT OF ELEMENT |
| ↔ | CONTINUOUS EXTENT OF ELEMENT |
| # Sxxx | DETAIL CALLOUT |
| # Sxxx | ELEVATION CALLOUT |

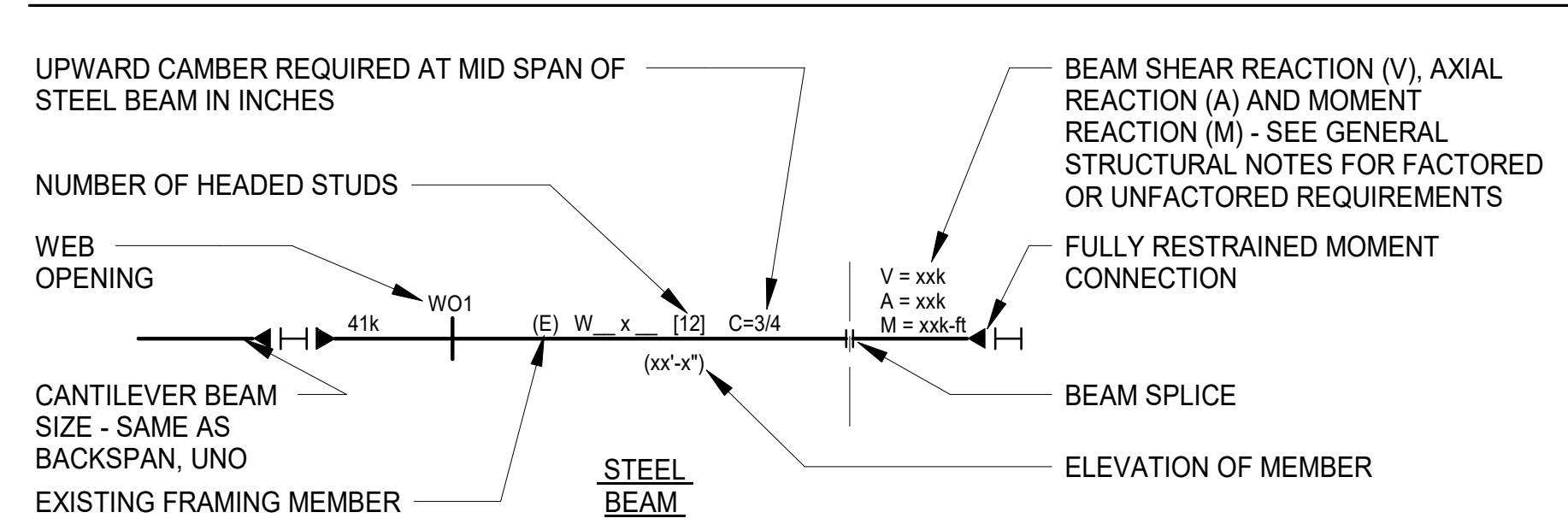
| SHEET LIST | |
|------------|--|
| SHEET # | SHEET NAME |
| S001 | LEGEND SHEET |
| S002 | GENERAL STRUCTURAL NOTES |
| S003 | GENERAL STRUCTURAL NOTES |
| SD201 | FOUNDATION DEMO PLAN |
| SD202 | SECOND FLOOR DEMO PLAN |
| S201 | FOUNDATION PLAN |
| S202 | SECOND FLOOR PLAN |
| S203 | UPPER EAVE PLAN |
| S204 | PARTIAL PLANS |
| S401 | FOUNDATION SCHEDULES AND TYPICAL DETAILS |
| S402 | FOUNDATION SCHEDULES AND TYPICAL DETAILS |
| S403 | STEEL SCHEDULES AND TYPICAL DETAILS |
| S404 | STEEL DECK SCHEDULES AND TYPICAL DETAILS |
| S501 | FOUNDATION DETAILS |
| S701 | FRAMING DETAILS |
| S702 | FRAMING DETAILS |
| S703 | FRAMING DETAILS |

PLAN SYMBOLS LEGEND:

FOUNDATION SYSTEM:



STEEL FRAMING SYSTEM:



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MBJ
MBJ PROJECT #: 24-361

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1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED
09/13/24 BID SET

GEORGIA REGISTERED ENGINEER
No. SE001790
DANIEL SWIATEK

MAH NO.: 0119700-231215.02
DATE: 09/13/2024
DESIGNED BY: MRD
DRAWN BY: DMD
CHECKED BY: MRD

DO NOT SCALE DRAWINGS
SHEET CONTENTS
LEGEND SHEET

SHEET NO.:

S001

TYPICAL NOTES:

These notes specify the requirements for the design represented in these documents. The construction and materials shall comply with all the pertinent codes and references, plans, and details, including (but not limited to) those shown in architectural, civil, mechanical and electrical drawings.

The Contractor shall verify all dimensions and existing conditions in the field that affect construction prior to commencing work on the affected element or shop drawing submittals. Resolve any discrepancies with the Architect prior to construction.

The contract structural drawings and specifications represent the completed structure. The Contractor is responsible for bracing and shoring (without overstressing) all structural elements as necessary at any stage of construction until completion of the project. The Structural Engineer of Record is not responsible for the Contractor's means, methods, sequences or procedures of construction. Contractor shall recognize and consider effects of thermal movements of structural elements during construction period.

The Contractor is solely responsible for site safety including all temporary precautionary measures and safety programs. Site observation visits by the Structural Engineer of Record do not include review of the contractor's safety precautions.

Refer to architectural, mechanical and electrical drawings for locations, elevations, dimensions, and details of sleeves, inserts, openings, recesses, curbs, housekeeping pads, etc. that are not shown on the structural drawings and do not damage structural members.

Information shown in the structural drawings regarding existing conditions represents the current and general field conditions related to the new work, to the best of our knowledge. Report all discrepancies (unforeseen conditions) to the Architect for resolution prior to performing related new work.

Requests for information shall be submitted in writing and shall reference the part of the construction documents that is in question.

SPECIAL INSPECTIONS:

Special inspections required by the building code and these documents shall be provided in addition to inspections to be performed by the city in which the project is located.

Contractor shall read and understand their duties in the specification and under the building code for special inspections and coordinate as necessary the Owner's responsibilities.

The Special Inspectors shall be provided by the Owner and shall use current structural drawings incorporating all revisions and approved shop drawings.

Special inspection reports are to be submitted promptly and within 24 hours to the Structural Engineer of Record and Contractor from the time when inspections are performed.

The General Contractor shall provide timely notice (minimum 24 hours) to the Special Inspector and sufficient time for the Inspector to perform their inspection.

For a schedule of Special Structural Inspections required by the building code for this project, see the Special Inspection Schedule.

STRUCTURAL TEST AND SPECIAL INSPECTION SCHEDULE:

| | Continuous | Periodic | None |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. STEEL CONSTRUCTION: Section 1705.2.1 and Table 1705.2.3 | | | |
| 1.1 Fabricator Documentation - Note (1) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.2 High Strength Bolting-Bearing Material | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.3 High-Strength Bolting-Slip-Critical and Material | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4 Steel Material, Seismic - Section 1705.12.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.5 Welds: Full and Part Pen and Multi-Pass Fillet | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 1.6 Welds: Single Pass Fillet for All Sections | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.7 Frame Joint Detail Compliance | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. CONCRETE CONSTRUCTION: Section 1705.3 and Table 1705.3 | | | |
| 2.1 Member Shape and Size Compliance in Formwork | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2.2 Reinf Steel and PT Tendons Size, Quantity and Placement | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2.3 Weldability of Reinforcing and Welds | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2.4 Anchors in Concrete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.5 Use of Required Mix Design | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2.6 Sample for Specimens and Tests | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.7 Placement of CIP Concrete and Shotcrete | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.8 Curing Compliance | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2.12 Strength for Formwork Removal | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. SOILS: Section 1705.6 and Table 1705.6 | | | |
| 3.1 Bearing Material, Capacity and Depth | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3.2 Compacted Fill Compliance With Soils Report | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. SPRAYED FIRE RESISTANT MATERIALS: Section 1705.14 | | | |
| 4.1 Structural Framing | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4.2 Roof Deck | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

- Notes:
- When the fabricator does not meet the requirements of 1704.2.5.1.
 - Empirically designed masonry is excluded.

SHOP DRAWINGS:

Submit shop drawing schedule with construction schedule that includes consideration for review period. See specification for additional information.

General contractor shall submit shop drawings in digital format for structural review. Digital drawings shall meet the following requirements.

- All pages are native .pdf files, rotated, printed to scale with searchable text.
- All transmittals shall be located as the first page of the submittal or as a separate file within one digital package.
- Contractor digital review comments and their digital stamp shall be attached. Our review will not occur until the contractor has reviewed, coordinated with other trades and provided shop stamp.
- MBJ will mark-up the digital set in red and return a digital file via email, ftp site or other means.

DELEGATED DESIGN AND DEFERRED SUBMITTALS:

The following items are a delegated design and shall be issued as deferred submittals per IBC. The delegated design submittal shall include shop drawings and an engineering analysis signed and sealed by the licensed design professional responsible for their preparation:

- Structural Steel Connections
- Cold-Formed Steel Framing

The contractor shall retain a professional engineer licensed in the state where this project is located to design and detail delegated design items to meet the performance and design criteria indicated in the contract documents. Under no circumstances will MBJ review shop drawings that are considered to be scanned/copied construction document submittals. The Detailer shall produce and submit original documents for review.

All items issued as deferred submittals shall be issued a minimum of 30 days prior to installation and shall not be installed until their design and submittal documents have been reviewed for general conformance to the drawings by the General Contractor, the Structural Engineer of Record and the Building Official. A copy of the deferred submittal shall be forwarded to the Building Official after the Structural Engineer of Record has reviewed the documents and prior to the erection of the deferred submittal items.

DESIGN CODES AND STANDARDS:

2018 International Building Code, as amended and adopted by the City of Augusta, Georgia.

MATERIAL PROPERTIES:

| | | |
|-------------------------|------------|--------------------|
| Reinforcing Steel (Fy): | | |
| Typical | 60,000 psi | ASTM A615 Grade 60 |
| Weldable | 60,000 psi | ASTM A706 Grade 60 |

Cast-in-Place Concrete (f'c) at 28 days, u.n.o.:

| | | |
|---|------------------------------|---------|
| Controlled Low Strength Material (CLSM) | 1,200 psi | Maximum |
| | 50 psi | Minimum |
| Footings | 4,000 psi | |
| Slabs on Grade | 4,000 psi | |
| Exterior Concrete | 4,500 psi w/ air entrainment | |
| All Concrete not otherwise noted | 4,000 psi | |

| | | |
|------------------------------------|------------|--------------------|
| Structural Steel (Fy): | | |
| Wide Flanges: | 50,000 psi | ASTM A992 |
| Angles, Channels, Plates, and Bars | 36,000 psi | ASTM A36 |
| Rectangular HSS | 46,000 psi | ASTM A500, Grade B |
| Round HSS | 42,000 psi | ASTM A500, Grade B |
| Steel Pipe | 35,000 psi | ASTM A53, Grade B |

| | | |
|------------------------------------|-------------|-----------------------|
| Structural Fasteners: | | |
| Typical High-Strength Bolts | 120,000 psi | ASTM F3125 Grade A325 |
| High-Strength Bolts where noted | 150,000 psi | ASTM F3125 Grade A490 |
| Carbon Steel, Threaded Rods | 36,000 psi | ASTM A36 |
| Threaded Rods Grade B7 where noted | 125,000 psi | ASTM A193 |
| Stainless Steel, Threaded Rods | 85,000 psi | ASTM F593 |
| Anchor Rods, Grade 36 U.N.O. | 36,000 psi | ASTM F1554 |
| Anchor Rods, Grade 55 where noted | 55,000 psi | ASTM F1554 |

DESIGN LOADS:

LATERAL LOADS:

| | |
|---------------------------------------|-----------------|
| Risk Category: | III |
| Wind Loads: | |
| Primary Frame Wind Data: | |
| Basic Wind Speed: | V ult = 122 mph |
| Exposure Category: | C |
| Internal Pressure Coefficient (Gcpi): | +0.18 or -0.18 |

| | |
|-------------------------------------|---|
| Components and Cladding Wind Loads: | |
| Exterior Component/Cladding: | Supplier to develop based on code criteria and indicate on shop drawings. |

Seismic Loads:

| | |
|---|------------------------|
| Primary Seismic Data: | |
| Mapped Spectral Response Accelerations: | Ss: 0.259 S1: 0.097 |
| Site Class: | D |
| Site Coefficients: | Fa = 1.592 Fv = 2.4 |

Design Spectral Acceleration Parameters: Sds: 0.275 Sd1: 0.155

Importance Factor: 1.25
Seismic Design Category: C

Basic Seismic-Force- Resisting System: Steel Systems Not Specifically Detailed For Seismic Resistance, Excluding Cantilever Column Systems

Response Modification Factor: R = 3.0
Overstrength Factor: Ωo = 3.0
Seismic Response Coefficient: Cs = 0.115

Ultimate Design Base Shear: V = 0.115(W)

Analysis Procedure: Equivalent Lateral Force Procedure

GRAVITY LOADS:

| | |
|------------|--------|
| Dead Load: | |
| Roof: | 25 psf |

Snow Load:

| | |
|---------------------------------|-----------------------|
| Ground Snow Load, Pg: | 5 psf |
| Flat-Roof Snow Load, Pf: | 10 psf |
| Snow Exposure Factor, Ce: | 1.0 |
| Snow Load Importance Factor, I: | 1.0 |
| Thermal Factor, Ct: | 1.0 |
| Unbalanced/Drift Snow Load: | Refer to plan, U.N.O. |

Roof Live Load:

| | |
|--|---|
| Live Load, (reducible): | 20 psf |
| Mechanical and Electrical Equipment Units: | Refer to drawings, for the units' locations, sizes, and weights. This project is not designed for future units. |
| Future Mechanical and Electrical Units: | |

Floor Live Load:

| | |
|-------------|---------|
| Checkpoint: | 100 psf |
|-------------|---------|

REINFORCED CONCRETE:

The detailing, fabrication and erection of all reinforcing shall be done in accordance with the latest edition of ACI-315, "Manual of Standard Practice for Detailing Reinforced Concrete Structures and ACI-318, "Building Code Requirements for Structural Concrete."

All reinforcing bars are deformed and continuous, unless noted otherwise. Refer to drawings for reinforcing lap length schedule.

Provide suitable wire spacers, chairs, etc. for support of reinforcing steel in proper position while placing concrete. All bars shall be tied to prevent displacement while placing concrete. All chairs and slab bolsters shall be plastic or steel with plastic tips. When reinforcing steel is epoxy coated or p/t tendons are fully encapsulated, all chairs and slab bolsters shall be epoxy coated or plastic and all support bars shall be epoxy coated. Chairs are to be stable and resist tipping.

The fabricator shall submit a complete list of accessories and placing details with the shop drawings.

No horizontal construction joints shall be placed in beams, joists, or slabs, unless shown on drawings.

Locate vertical construction joints in beams and slabs at central one third of span. Refer to drawings for details. Submit proposed construction joint locations to the Structural Engineer of Record for review prior to placement of concrete. Where new concrete is placed against existing concrete, the existing concrete shall be roughened to a minimum 1/4" amplitude.

Refer to drawings for placement guidelines of embedded pipes, sleeves, and conduits. Conduits are not permitted in slabs 3 inches or less in thickness.

Conduit and piping shall be fabricated and installed so that cutting, bending, or displacement of reinforcement from its specified location is not required.

Concrete cover for pipe embeddings with their fittings shall be at least 1-1/2 in. For concrete exposed to earth or weather, and at least 3/4 in. For concrete not exposed to weather, or not in contact with ground

Aluminum conduit, aluminum sleeves and aluminum embeds are not permitted in concrete.

All conduits shall be placed within the middle one-third of the slab thickness.

The maximum size of conduits shall be 1 1/4" diameter and shall be spaced no closer (to each other or reinforcing steel) than 4 inches unless prior approval is obtained from the structural engineer.

Sleeves and conduits shall pass perpendicularly through beams in the center third of the beam's depth. Embedded boxes shall not be located on the bottom face of beams and shall meet clearance requirements for beam reinforcing tendons and reinforcing steel.

Embedded boxes, sleeves and conduits shall not be placed within a distance of 2'-6" from the face of any column and shall not be placed within 1'-6" of any anchor without prior approval from the structural engineer.

In areas of high conduit concentration where it is not possible to meet the above requirements, consult the structural engineer prior to placement.

Provide a 3/4 inch chamfer for all exposed concrete corners. See architectural drawings for details and additional requirements.

Formwork and all shoring for flatwork shall be left in place until the concrete reaches at least 75 percent of the 28-day compressive strength. Design of shoring and reshoring is the responsibility of the Contractor and shall conform to ACI 347R and ACI 347.2R. Concrete compressive strength testing used to determine flatwork stripping times shall be performed using one of the following methods:

CIPPOC and standard cylinders cured and stored in the same conditions as the flatwork.

Maturity testing properly calibrated and conducted by an approved testing agency.

Calcium chloride is not permitted as a concrete additive.

Concrete Cover on Reinforcing:

| | |
|--|---------------------|
| Topping Slab: | 3/4" clear top |
| Slab on Grade: | upper third of slab |
| Concrete covers are intended to meet 2 hour rating requirements of IBC Section 721.1 prescriptive fire protection. | |

Footings: 3" clear bottom and sides

| | |
|--------|---------------------------------------|
| Slabs: | 2" clear top |
| | 1" clear top |
| | 3/4" clear bottom carbonate aggregate |
| | 1" clear bottom siliceous aggregate |

FOUNDATIONS:

Refer to geotechnical report number 10103-20240030 by NOVA Engineering and Environmental, LLC, dated June 28, 2024.

The Contractor shall verify the location of all existing and new underground utilities and tanks prior to beginning excavation.

For underground utilities adjacent to foundations and through foundations reference drawings for typical detail showing step footings below utilities as required to avoid undermining of structure by utilities.

CONCRETE SLABS ON GRADE:

Slabs on grade shall be placed in lane fashion.

The control or construction joints shall be placed as shown on the drawings. The joints shall align with the column grids and be spaced as noted below:

| | |
|-------------------------------|-----------------------------------|
| Exterior slabs | 24 times slab thickness, maximum; |
| Interior slabs | 36 times slab thickness, maximum; |
| Interior slabs with carpeting | 48 times slab thickness, maximum. |

The panels formed by control or construction joints shall not be "L" shaped, and a rectangular panel's aspect ratio shall not exceed 1.5.

Refer to the drawings for the typical slab on grade construction and saw cut control joint detail. Control and construction joints must be continuous and not offset.

Refer to drawings for detail of isolation diamonds or circles at columns.

Refer to drawings for reinforcing at re-entrant corners. Bend bars as necessary at obstructions.

Refer to the specification for the existence, type, and thickness of interior ground vapor retarder. Locate a vapor retarder directly beneath the slab on grade on top of a 6 inch compactable granular base. Refer to the specification for requirements for the compactable granular base.

Mechanically vibrate concrete around trench drains, floor ducts, construction joint dowels, loading docks, architectural features and other embedded items.

Refer to flooring manufacturer's specification for levelness, flatness and curing of concrete slabs on grade to receive special architectural floor finishes.

Where slab demolition occurs in slabs on grade, curbs and sidewalk areas, typically saw cut slabs for new work to the widths indicated on plan. Where such saw cuts would occur within 3 feet or less of an existing control or construction joint, remove slabs to the nearest existing control or construction joint. Dowel edges as indicated for typical slabs in other areas. Provide slab control joints in new slabs at locations to match existing slab control joints, and also a spacing to keep slab panel aspect ratios as square as possible, but at a spacing not to exceed 10'-0". Slab finishes shall match original existing finishes of surrounding slabs, subject to review of Architect.

CONVENTIONAL FOOTINGS:

Footings are designed for a maximum allowable soil bearing pressure of 2,500 pounds per square foot on undisturbed natural soil or compacted engineered fill. Soil bearing pressure is to be verified in the field during construction by a qualified Geotechnical Engineer.

The quality of the bedrock shall be explored by the Owner's Geotechnical Engineer for the presence of soil filled seams at each column location. This shall be accomplished by drilling a 1 1/2" diameter test hole into the bedrock at each footing location prior to the placing of concrete. The depth of test hole will depend of the quality of the exposed rock, but shall not be less than 6'-0" below the bottom of the footing.

All topsoil, fill, organic, and/or other unsuitable bearing material shall be removed below the footings and/or within the building area to the depths indicated in the geotechnical engineering report and extent of removal shall be field verified by the Geotechnical Engineer.

All excavations shall be observed by a qualified Geotechnical Engineer to verify removal of all unsuitable material, and confirm the proper preparation of bearing conditions. Rock excavation for individual footings is not expected to exceed five foot depth, U.N.O. No mass excavation is anticipated. Blasting is not permitted.

For footings that do not bear on natural undisturbed soil, extend engineered fill laterally beyond bottom edge of footing per recommendations in the geotechnical report.

Foundation and retaining walls shall be back filled with free draining fill approved by the Geotechnical Engineer. Provide drainage board and perforated pipe as required by the contract documents and verify with the Architect and Civil Engineer.

Engineered fill shall not be placed on frozen material and frozen material shall not be used as engineered fill. Contractor shall provide any means necessary to prevent frost penetration under footings during construction.

Backfill equally on both sides of foundation walls to prevent overturning or lateral wall movement, or brace as necessary.

For stepping of wall footings reference drawings for detail.



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MBJ PROJECT #: 24-361

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AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION

1501 AVIATION WAY, AUGUSTA, GA 30906

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SHEET CONTENTS
GENERAL
STRUCTURAL NOTES

SHEET NO.:

S002

POST-INSTALLED ANCHORS:

Post installed anchors to be installed in concrete base material shall have current ICC approval for use in both cracked and un-cracked concrete in accordance with ACI 355.2, ACI 355.4, ICC ES AC193 and ICC ES AC308.

Post-installed anchors to be installed in masonry base material shall have a current ICC approval for use in uncracked, fully grouted concrete masonry unit construction in accordance with ICC-ES AC01, ICC-ES AC58 and ICC-ES AC106. Contact Engineer of Record for anchorage to hollow masonry or unreinforced clay masonry not covered by this section.

Post-installed anchors shall only be used where specified on the construction documents. The Contractor shall obtain approval from the Engineer of Record prior to installing post-installed anchors in place of missing or misplaced cast-in-place anchors. Submit a work plan including proposed products for approval prior to commencing corrective work.

Post-installed adhesive anchors shall not be used for fire rated components supporting gravity loads.

Verify that supporting substrate and environmental conditions are consistent with the manufacturer's installation instructions and the ICC-ES report.

Post-installed anchors shall be installed in accordance with the manufacturer's installation instructions and the ICC-ES report, including hole drilling and cleaning.

The general contractor shall engage a testing company to locate existing reinforcing and other embedded items by non-destructive means (GPR, pacometer or other approved means) as necessary to accurately locate existing elements prior to beginning drilling operations. Do not cut or damage existing reinforcing or other embedded items unless explicitly approved by the Engineer of Record. Notify the EOR if there is a conflict between the anchor location and an embedded item.

Pre-approved products for post-installed anchors are listed below. See specifications for additional pre-approved products and substitution request requirements.

The following wedge anchor products are pre-approved:

| Base Material | Product | ICC-ES Report |
|---------------|------------------------|---------------|
| Concrete | Hilti Kwik Bolt TZ2 | ESR-4266 |
| Concrete | Simpson Strong Bolt | ESR-3037 |
| Concrete | Dewalt Power Stud+ SD2 | ESR-2502 |
| Masonry (*) | Hilti Kwik Bolt 1 | IAPMO ER-677 |
| Masonry (*) | Simpson Wedge-All | ESR-1396 |
| Masonry (*) | Dewalt Power Stud+ SD1 | ESR-2966 |

The following sleeve anchor products are pre-approved:

| Base Material | Product | ICC-ES Report |
|---------------|---------------------|---------------|
| Concrete | Hilti HSL-3 | ESR-1545 |
| Concrete | Dewalt Power Bolt + | ESR-3260 |

The following screw anchor products are pre-approved:

| Base Material | Product | ICC-ES Report |
|---------------|--------------------|---------------|
| Concrete | Hilti HUS-EZ | ESR-3027 |
| Concrete | Simpson DEWAL HD | ESR-2713 |
| Concrete | Dewalt Screw Bolt+ | ESR-3889 |
| Masonry (*) | Hilti HUS-EZ | ESR-3056 |
| Masonry (**) | Simpson Titen HD | ESR-1056 |
| Masonry (*) | Dewalt Screw Bolt+ | ESR-4042 |

The following adhesive anchor products are pre-approved:

| Base Material | Product | ICC-ES Report |
|---------------|---------------------|---------------|
| Concrete | Hilti HIT HY 200-V3 | ESR-4868 |
| Concrete | Hilti HIT HY 100 | ESR-3574 |
| Concrete | Hilti HIT RE 500-V3 | ESR-3814 |
| Concrete | Simpson AT XP | IAPMO ER-0263 |
| Concrete | Dewalt AC200+ | ESR-4027 |
| Concrete | Dewalt Pure110+ | ESR-3298 |
| Masonry (**) | Hilti HIT HY 270 | ESR-4143/4144 |
| Masonry (**) | Simpson AT XP | IAPMO ER-0281 |

The following power-actuated fastener products are pre-approved:

| Base Material | Product | ICC-ES Report |
|-----------------------------|-------------------------|---------------|
| Steel/Concrete/Masonry/Wood | Hilti Low Velocity | ESR-1663 |
| Steel/Concrete/Masonry/Wood | Hilti X-U | ESR-2269 |
| Steel/Concrete/Masonry/Wood | Simpson Powder-Actuated | ESR-2138 |
| Steel/Concrete/Masonry/Wood | Dewalt Power-Driven | ESR-2024 |
| Steel/Concrete/Masonry/Wood | Dewalt Trak-It | ESR-3275 |

(*) Indicates products listed are for anchorage to solid grouted concrete masonry units only.

(**) Indicates products listed are for anchorage to solid grouted or ungrouted concrete masonry units. Do not use anchors in ungrouted cells unless shown explicitly directed by Engineer of Record.

STRUCTURAL STEEL:

Structural steel shall be detailed, fabricated and erected in compliance with AISC Specification for the design, fabrication, erection of structural steel for building, and Code of Standard Practice, and OSHA steel erection standards.

All beams and girders shall be cambered at mid-span as indicated on the structural drawings. The cambers indicated shall be measured in the fabricators shop. Cambering tolerances shall be (-0", +1/2"). No center point cambering allowed.

Splicing structural members where not detailed on the drawings is prohibited without prior approval of the Structural Engineer of Record.

Modification of structural steel members in the field is not allowed without written approval by the Structural Engineer of Record.

All composite beams using the concrete slab as a compression flange are designed for unshored construction unless noted otherwise.

Anchor rods shall be minimum 3/4" diameter or as detailed in drawings.

Where weld sizes are not indicated provide minimum weld size as indicated in AISC table J2.4.

STRUCTURAL STEEL CONNECTIONS:

The following steel connections shall be designed by the Steel Fabricator for the criteria indicated on the drawings unless noted or detailed otherwise.

- All shear connections
- All beam connections with axial loads indicated
- All moment connections
- All miscellaneous connections where indicated as "By Connection Engineer"

Submit calculations certified by a Professional Engineer who is licensed in the state where the project is located.

Unless noted otherwise, design simple beam shear connections per the AISC Manual connection tables. Design connections for the reactions indicated on the plans or the minimum connection requirements indicated in the connection schedule. Reactions indicated on plan or within details supersede those indicated in the connection schedule.

Shear connections shall be designed to resist eccentricity within the connection considering the resultant at the following locations:

- Beam to beam connections: at center of supporting beam
- Beam to column flange: at face of column flange
- Beam to column web: at face of column web
- Beam to HSS columns: at face of column
- Beam to column moment connection: at centerline of column
- Beam to embed plate: at face of embed

Unless detailed otherwise, beam shop connections may be welded or bolted and field connections are to be bolted. Bolts shall be a minimum 3/4" diameter for connections specified or detailed in the drawings. The fabricator may submit an alternate connection with the calculations that is certified by a professional engineer who is licensed in the state where the project is located.

All re-entrant corners must be shaped notch free per AWS D1.1 to a minimum radius of 1" except corners in connection material and beam copes.

Provide stiffeners and doublers where shown. Member reinforcements shall be the minimum of the size as indicated or as required by engineering analysis of the connection.

For beam to spandrel beam connections provide full depth stiffeners and fill maximum bolt rows.

Welded connections shall be made in accordance with AWS D1.1 Structural Welding Code using E70XX electrodes unless noted otherwise. Weld sizes not shown or controlled by the required forces shall be AWS code minimum size. Welds shall be visually inspected for compliance with the AWS code visual inspection criteria. Welders shall be qualified in accordance with AWS D1.1 and shall be experienced in welding structural steel.

Full penetration welds shall be tested using NDT methods such as ultrasonic, magnetic particle or other methods referenced in the AWS code. Welds subject to NDT methods shall also have been found compliant with the AWS visual inspection criteria.

STEEL ROOF DECK:

Manufacturer shall be a current member of the Steel Deck Institute (SDI).

Detail, manufacture and install steel roof deck and accessories in accordance with the SDI specifications and codes and OSHA requirements.

Steel roof deck shall be as noted on plan.

Welding shall be in accordance with AWS D1.3. Welders shall be qualified in accordance with AWS D1.3.

Where spray-on fireproofing of the deck is required, the Contractor shall verify that the deck finish is compatible with the proposed fireproofing material to ensure proper bonding of the fireproofing. Coordinate fireproofing locations and requirements with the architect.

All steel deck shall span a minimum of three spans, unless otherwise approved by the engineer. Deck ends are to be lapped over supports.

Contractor shall verify the location and extent of acoustical steel deck with the architectural drawings.

Reference drawings for detail on steel roof deck fastening requirements unless noted otherwise.

Provide reinforcement or frames for deck openings as indicated on the drawings.

Mead & Hunt

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AGS AUGUSTA REGIONAL AIRPORT

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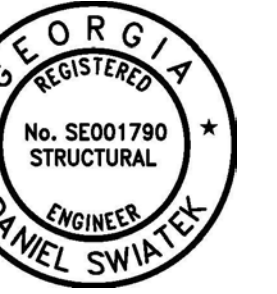
S003

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1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED
09/13/24 BID SET

Daniel Swiatek



MSH NO.: 0119700-231215.02
DATE: 09/13/2024
DESIGNED BY: MRD
DRAWN BY: DMD
CHECKED BY: MRD
DO NOT SCALE DRAWINGS

SHEET CONTENTS
FOUNDATION DEMO PLAN

SHEET NO.:

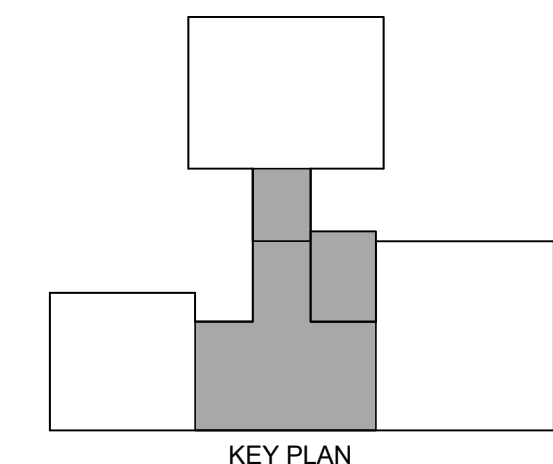
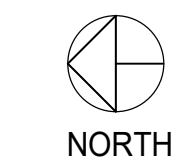
SD201

REFERENCE NOTES:

- SEE SHEET S001 FOR SHEET INDEX, TYPICAL ABBREVIATIONS AND LEGENDS.
- SEE SHEET S002 FOR GENERAL STRUCTURAL NOTES.
- SEE SHEET S400 SERIES FOR SCHEDULES AND TYPICAL DETAILS.
- SEE SHEET S500 SERIES FOR FOUNDATION AND CONCRETE FRAMING DETAILS.
- SEE SHEET S700 SERIES FOR FRAMING DETAILS.

KEYNOTES:

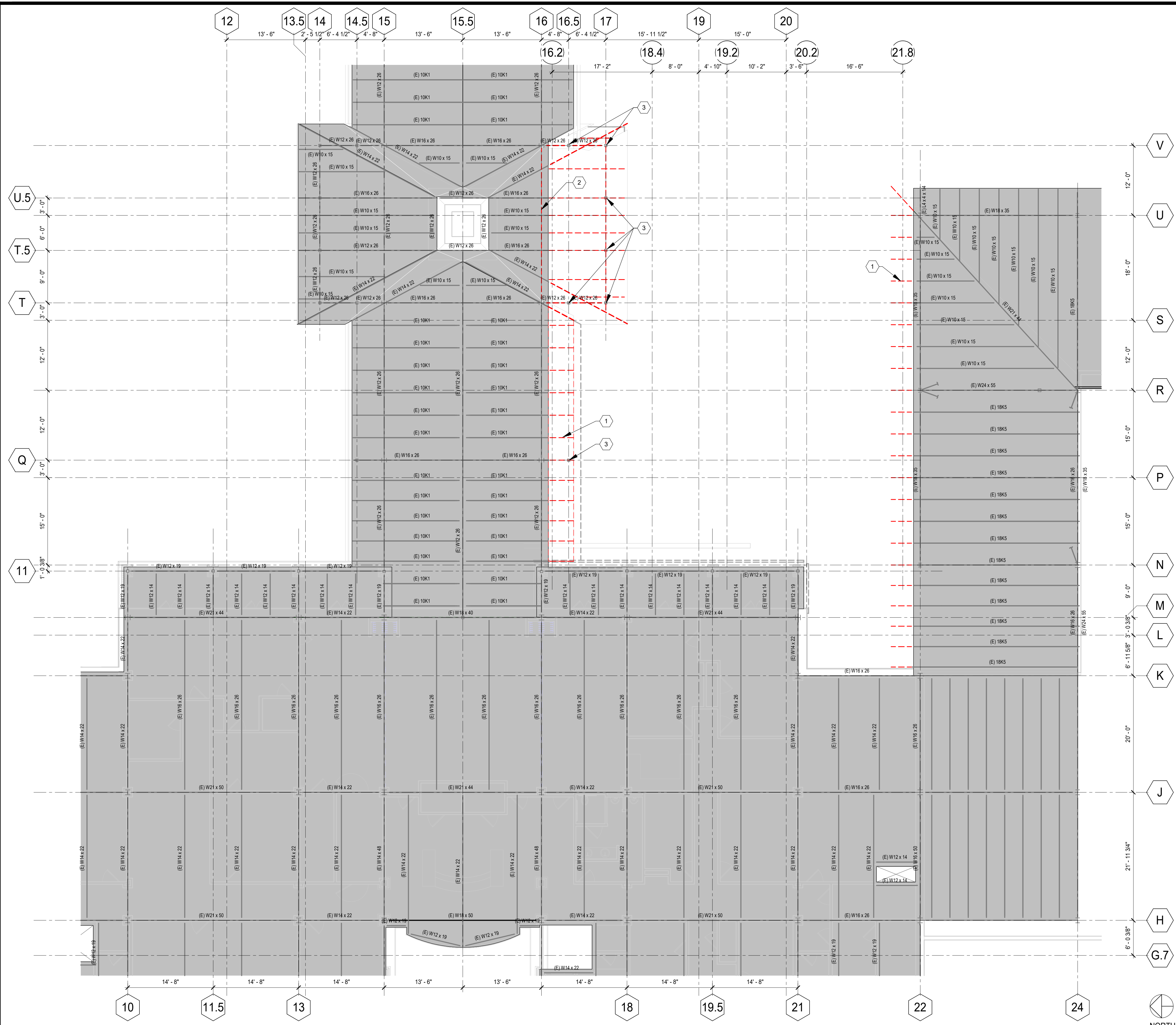
- DEMOLISH STEM WALL 1'-0" BELOW FINISH FLOOR ELEVATION.
- DEMOLISH STEEL COLUMN AND CONCRETE PIER. FOOTING TO REMAIN. PROTECT DURING DEMOLITION.
- DEMOLISH STEEL COLUMN, CONCRETE PIER, AND FOOTING.
- DEMOLISH CONCRETE SLAB AT EXTERIOR TO EXISTING ISOLATION JOINT.
- DEMOLISH EXTERIOR STEM WALL AT LEAST 8" BELOW FINISH FLOOR ELEVATION.
- STEEL COLUMN, CONCRETE PIER, AND CONCRETE FOOTING TO REMAIN. PROTECT DURING DEMOLITION.



1 FOUNDATION DEMO PLAN
1/8" = 1'-0"

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1 SECOND FLOOR DEMO
1/8" = 1'-0"

- REFERENCE NOTES:
- SEE SHEET S001 FOR SHEET INDEX, TYPICAL ABBREVIATIONS AND LEGENDS.
 - SEE SHEET S002 FOR GENERAL STRUCTURAL NOTES.
 - SEE SHEET S400 SERIES FOR SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S500 SERIES FOR FOUNDATION AND CONCRETE FRAMING DETAILS.
 - SEE SHEET S700 SERIES FOR FRAMING DETAILS.

- KEYNOTES:
- DEMOLISH EXISTING JOIST EXTENSIONS AND ROOF DECK AT EAVE CONDITIONS.
 - SHORE EXISTING ROOF FRAMING ALONG GRID LINE 16 PRIOR TO DEMOLITION OF W12x26 AND FRAMING TO THE SOUTH. FOR SUPPORT OF EXISTING ROOF FRAMING AT DEMOLITION EXTENT, SEE DETAIL 9/ S701
 - DEMOLISH EXISTING STEEL COLUMN.

Mead & Hunt
 Mead & Hunt, Inc.
 878 South Lake Drive
 Lexington, SC 29072
 phone: 803-996-2900
 meadhunt.com

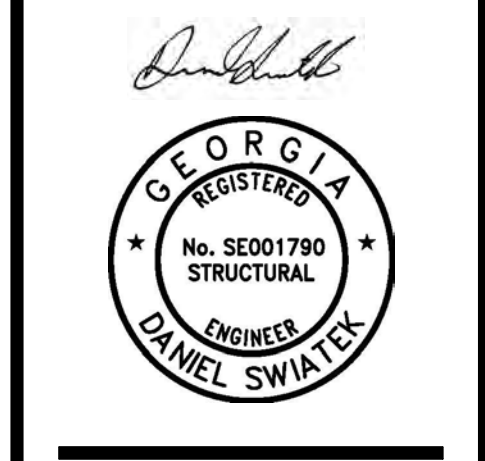
MBJ
 MBJ PROJECT #: 24-361

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AGS AUGUSTA REGIONAL AIRPORT

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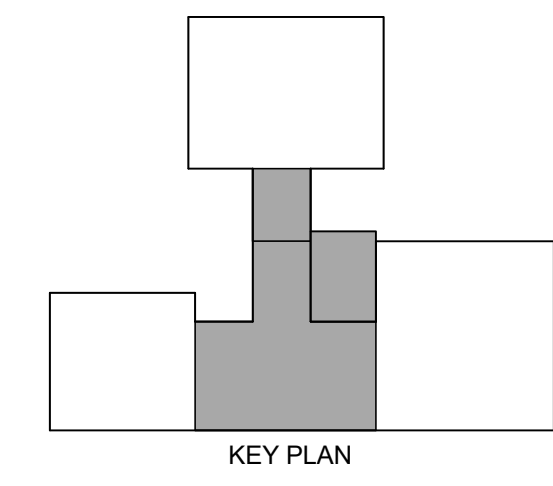


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SHEET CONTENTS
 SECOND FLOOR
 DEMO PLAN

SHEET NO.:

SD202



REFERENCE NOTES:

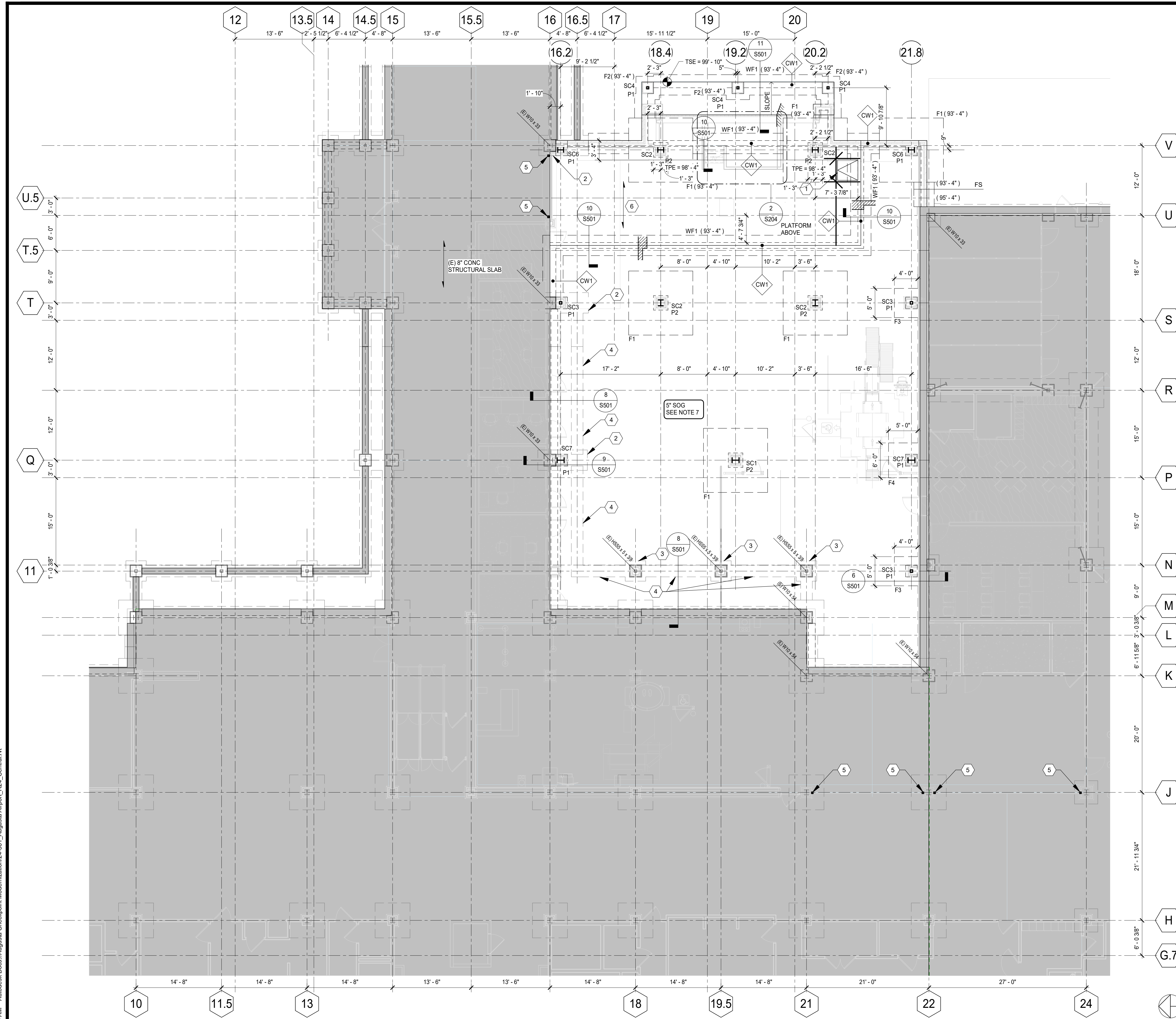
- SEE SHEET S001 FOR SHEET INDEX, TYPICAL ABBREVIATIONS AND LEGENDS.
- SEE SHEET S002 FOR GENERAL STRUCTURAL NOTES.
- SEE SHEET S400 SERIES FOR SCHEDULES AND TYPICAL DETAILS.
- SEE SHEET S500 SERIES FOR FOUNDATION AND CONCRETE FRAMING DETAILS.
- SEE SHEET S700 SERIES FOR FRAMING DETAILS.

PLAN NOTES (UNLESS NOTED OTHERWISE):

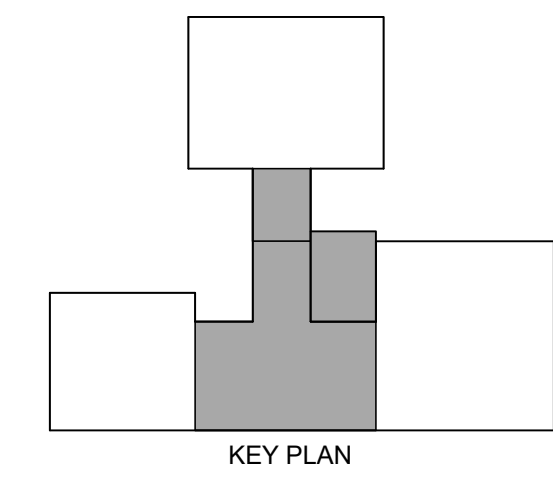
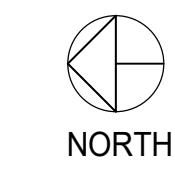
- PROJECT DATUM ELEVATION 100'-0" = 147.212'. SEE CIVIL AND ARCHITECTURAL DRAWINGS.
- TOP OF FOOTING ELEVATION (TFE) = 95'-4", UNLESS NOTED OTHERWISE ON PLAN AS (XX-XX').
- ALL FOOTINGS ARE CENTERED UNDER WALLS AND COLUMNS, UNO. SEE TYPICAL FOUNDATION DETAILS FOR UTILITY PENETRATIONS THROUGH FOUNDATIONS. SEE PLAN FOR APPROXIMATE LOCATIONS. VERIFY LOCATIONS AND ELEVATIONS WITH MECHANICAL DRAWINGS.
- TOP OF PIER ELEVATION (TPE) = 98'-0", UNLESS NOTED OTHERWISE ON PLAN AS (XX-XX').
- TOP OF SLAB-ON-GRADE ELEVATION (TSE) = 100'-0".
- SLAB-ON-GRADE THICKNESS = 5", TYPICAL, UNO. REINFORCE WITH WWF 6x6 - W2.9 x W2.9 UNO.
- FOR SLAB JOINT LAYOUTS, SEE PLANS AND GENERAL STRUCTURAL NOTES FOR CRITERIA. FOR TYPICAL CONTROL AND CONSTRUCTION JOINTS SEE TYPICAL SLAB JOINTING DETAILS.
- SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION, INCLUDING LOCATIONS AND DIMENSIONS OF RAMPS, SLAB SLOPES, SLAB STEPS AND SLAB DEPRESSIONS.
- VERIFY SIZE, LOCATION AND INVERT ELEVATIONS FOR ALL UTILITIES, SITE STRUCTURES, SUMPS AND DRAINS WITH CIVIL, MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS.
- SEE LANDSCAPE DRAWINGS FOR PAVING AND SITE DETAILS AT THE BUILDING EXTERIOR.
- ALL EXISTING CONDITIONS AND SIZES TO BE FIELD VERIFIED PRIOR TO FABRICATION AND CONSTRUCTION.

KEYNOTES:

- 3'-6" x 3'-6" ACCESS HATCH. SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION. FOR ACCESS HATCH FRAME IN CONCRETE SEE DETAIL 7/ S501. PROVIDE 2 - #5 TOP AND BOTTOM EACH SIDE OPENING (EXTEND 2'-0" BEYOND OPENING WIDTH) AND 2 - #4 x 4'-0" DIAGONAL, TOP AND BOTTOM, AT CORNERS.
- EXISTING 3'-6" x 8'-6" x 1'-0" FOOTING.
- EXISTING 3'-6" x 3'-6" x 1'-0" FOOTING.
- EXISTING 2'-0" x 1'-0" CONTINUOUS FOOTING.
- HSS3 x 3 x 3/8 STEEL TUBE POST AT ROLL UP GRILLE. FOR CONNECTION REQUIREMENTS, SEE DETAIL 1/ S703.
- 8" CONCRETE SLAB WITH #5 AT 8" OC TOP AND BOTTOM (EAST/WEST OUTER LAYERS) AND #4 AT 18" OC TOP AND BOTTOM (NORTH/SOUTH INNER LAYERS)



1 FOUNDATION PLAN
1/8" = 1'-0"



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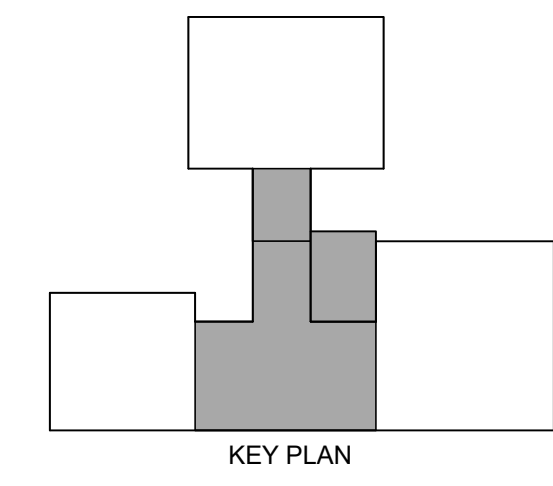


1 SECOND FLOOR
1/8" = 1'-0"

- REFERENCE NOTES:
- SEE SHEET S001 FOR SHEET INDEX, TYPICAL ABBREVIATIONS AND LEGENDS.
 - SEE SHEET S002 FOR GENERAL STRUCTURAL NOTES.
 - SEE SHEET S400 SERIES FOR SCHEDULES AND TYPICAL DETAILS.
 - SEE SHEET S500 SERIES FOR FOUNDATION AND CONCRETE FRAMING DETAILS.
 - SEE SHEET S700 SERIES FOR FRAMING DETAILS.

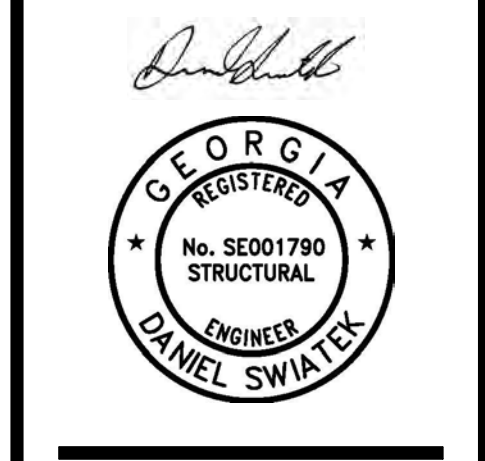
- PLAN NOTES (UNLESS NOTED OTHERWISE):
- TOP OF DECK ELEVATION (TDE) = 112'-4", UNLESS NOTED OTHERWISE ON PLAN AS (XX-XX").
 - TOP OF BEAM ELEVATION (TBE) = 112'-2 1/2", UNLESS NOTED OTHERWISE ON PLAN AS (XX-XX").
 - SEE THE GENERAL STRUCTURAL NOTES AND SPECIFICATION FOR STEEL BEAM CONNECTION REQUIREMENTS. SEE THE TYPICAL CONNECTION SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
 - SEE PLAN AND SCHEDULES FOR COLUMN INFORMATION.
 - VERIFY SIZE, LOCATION AND NUMBER OF ALL OPENINGS THROUGH ROOF WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. SEE TYPICAL DETAILS FOR REQUIRED FRAMING AT OPENINGS.
 - SEE 7/ S404 FOR MECHANICAL UNIT SUPPORT DETAILS. VERIFY LOCATION, QUANTITY, SIZE AND OPERATING WEIGHT WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
 - ALL EXISTING CONDITIONS AND SIZES TO BE FIELD VERIFIED PRIOR TO FABRICATION AND CONSTRUCTION.

- KEYNOTES:
- ROOF DRAIN, FOR SIZE AND LOCATION SEE ARCHITECTURAL DRAWINGS. FOR FRAMING AROUND DRAIN ASSEMBLY SEE DETAIL 9/ S404.
 - EXPANSION JOINT - SEE ARCH.
 - ROOFTOP MECHANICAL UNIT, FOR EXACT SIZE AND LOCATION SEE MECHANICAL AND ARCHITECTURAL DRAWINGS. WEIGHT = 1500 LBS (OPERATING WEIGHT). FOR STEEL FRAMING AT MECHANICAL UNITS, SEE DETAIL 7/ S404.
 - SEE DETAILS FOR CONTINUOUS BENT PLATE AT HEAD OF EXTERIOR WALL PARTITION.
 - PROVIDE L4 x 4 x 3/8 WELDED TO COLUMN FLANGES TO RECEIVE C12 SHOWN IN DETAIL 8/ S702.



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SHEET CONTENTS
SECOND FLOOR PLAN

SHEET NO.:

S202

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SHEET CONTENTS
UPPER EAVE PLAN

SHEET NO.:

S203

REFERENCE NOTES:

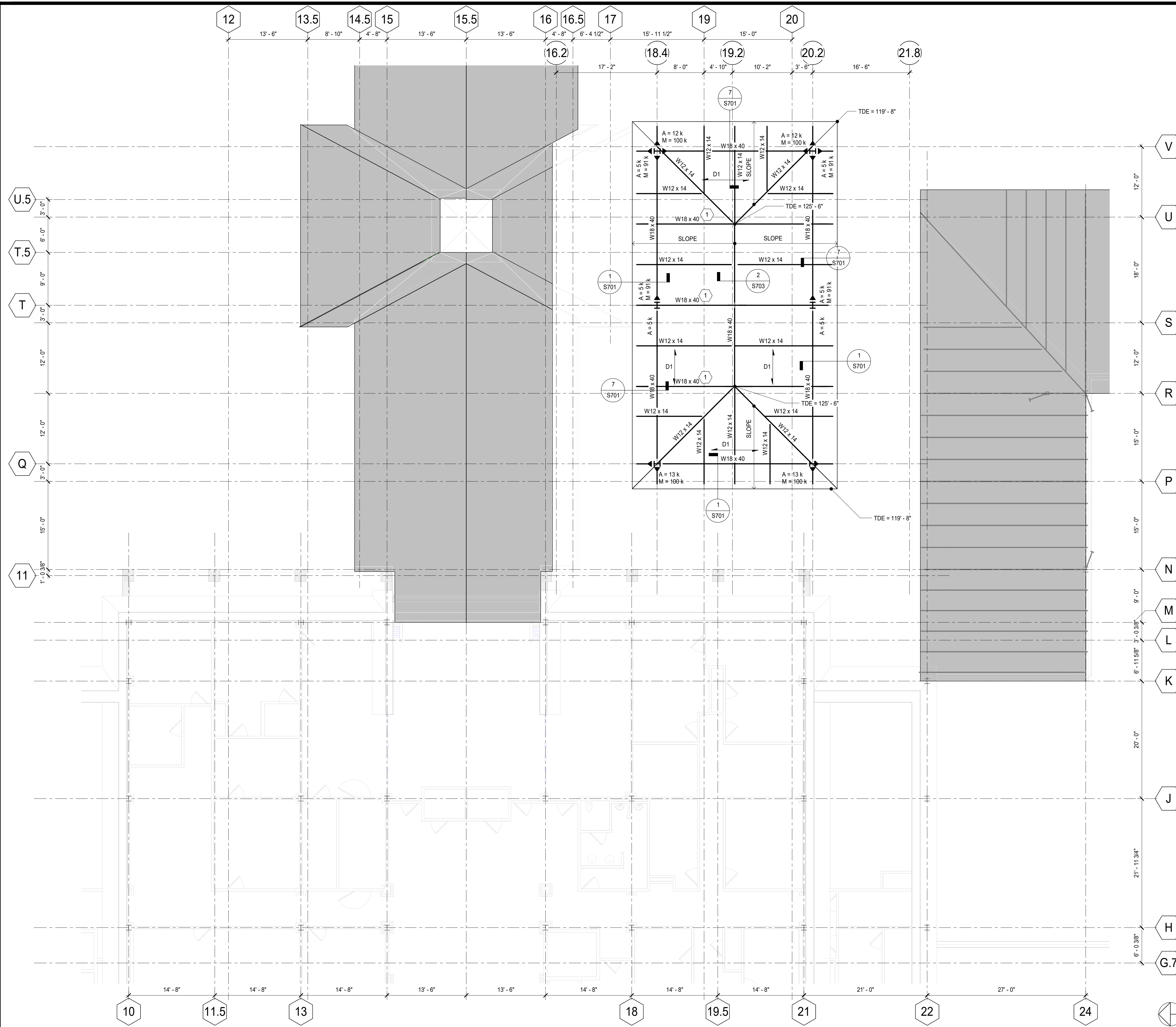
- SEE SHEET S001 FOR SHEET INDEX, TYPICAL ABBREVIATIONS AND LEGENDS.
- SEE SHEET S002 FOR GENERAL STRUCTURAL NOTES.
- SEE SHEET S400 SERIES FOR SCHEDULES AND TYPICAL DETAILS.
- SEE SHEET S500 SERIES FOR FOUNDATION AND CONCRETE FRAMING DETAILS.
- SEE SHEET S700 SERIES FOR FRAMING DETAILS.

PLAN NOTES (UNLESS NOTED OTHERWISE):

- TOP OF DECK ELEVATION (TDE) = VARIES, SEE PLAN.
- TOP OF BEAM ELEVATION (TBE) = VARIES, SEE PLAN.
- SEE THE GENERAL STRUCTURAL NOTES AND SPECIFICATION FOR STEEL BEAM CONNECTION REQUIREMENTS. SEE THE TYPICAL CONNECTION SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
- VERIFY SIZE, LOCATION AND NUMBER OF ALL OPENINGS THROUGH ROOF WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. SEE TYPICAL DETAILS FOR REQUIRED FRAMING AT OPENINGS.
- ALL EXISTING CONDITIONS AND SIZES TO BE FIELD VERIFIED PRIOR TO FABRICATION AND CONSTRUCTION.

KEYNOTES:

- CONTINUOUS BEAM WITH BEND AT RIDGE. KINK BEAM AT SLOPE CHANGE AND COMPLETE JOINT PENETRATION WELD ALL AROUND.



1 UPPER EAVE
1/8" = 1'-0"

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Daniel Swiatek

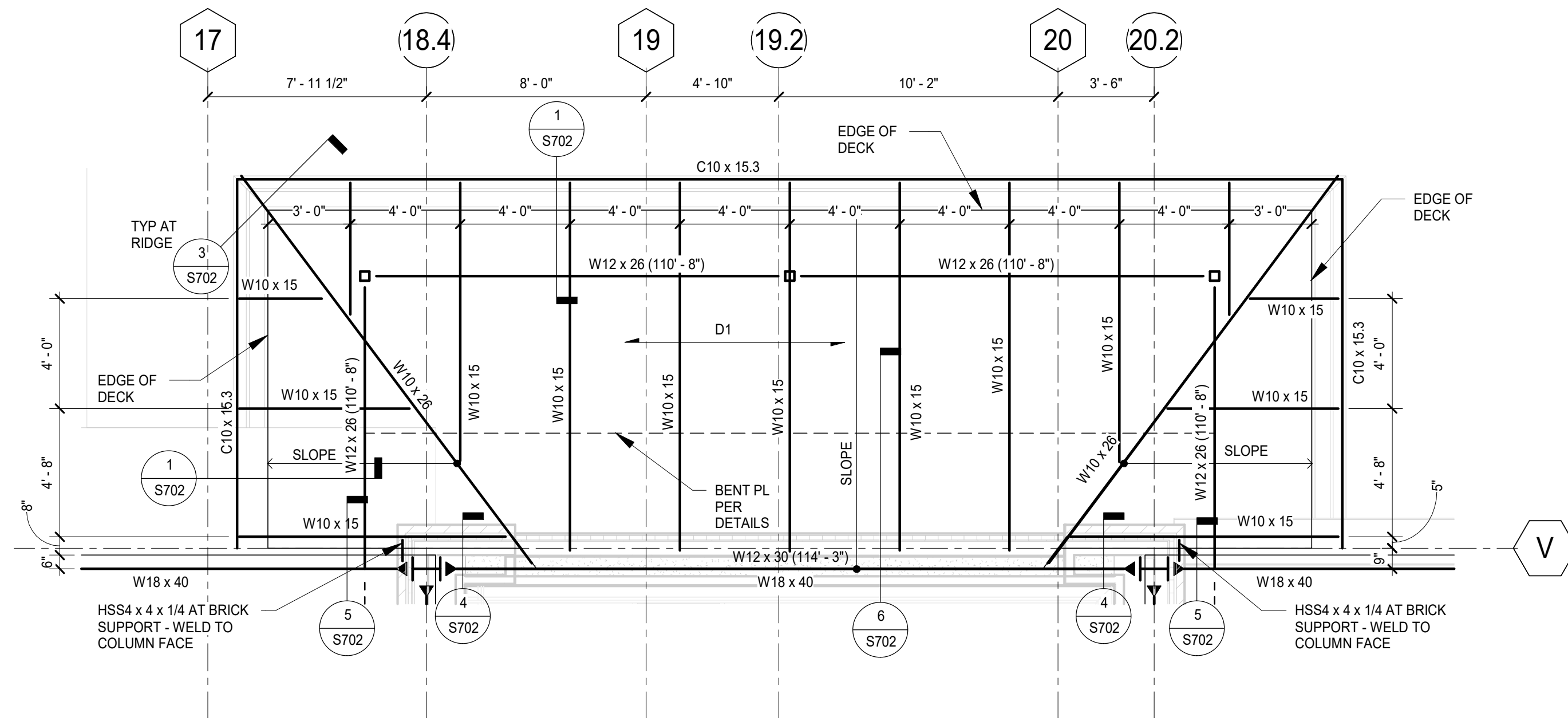


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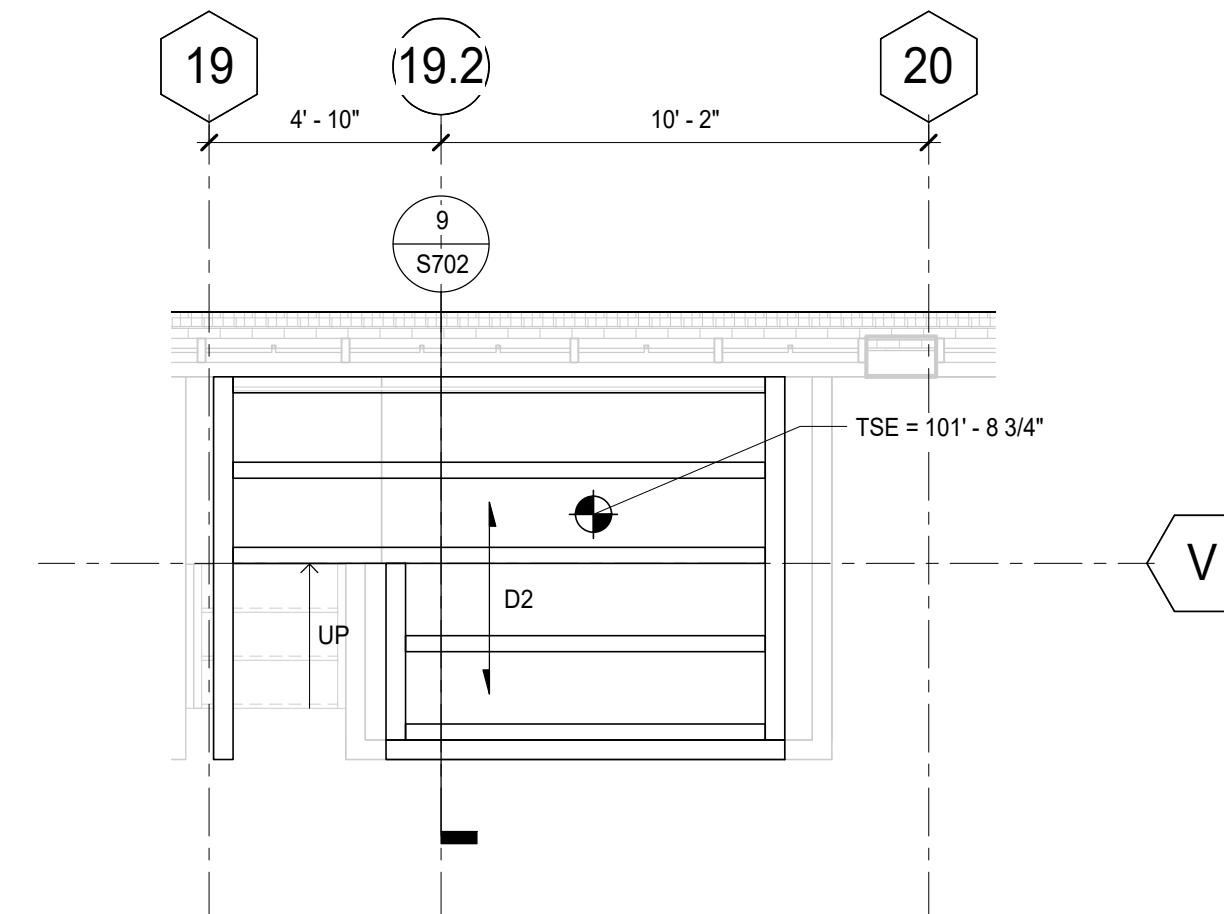
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SHEET CONTENTS
PARTIAL PLANS

SHEET NO.:

S204



1 PARTIAL PLAN AT PORCH ROOF
1/4" = 1'-0"



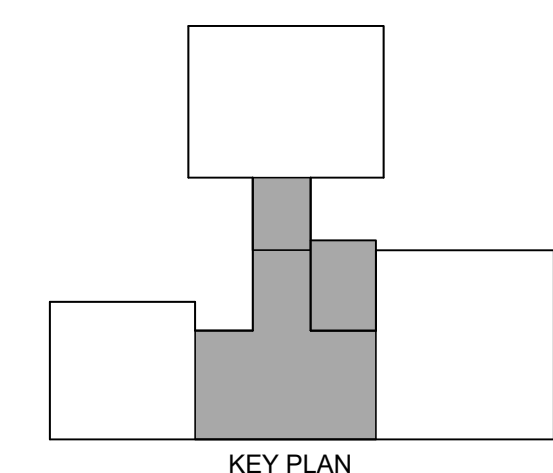
2 RAISED PLATFORM ENLARGED PLAN
1/4" = 1'-0"

REFERENCE NOTES:

- SEE SHEET S001 FOR SHEET INDEX, TYPICAL ABBREVIATIONS AND LEGENDS.
- SEE SHEET S002 FOR GENERAL STRUCTURAL NOTES.
- SEE SHEET S400 SERIES FOR SCHEDULES AND TYPICAL DETAILS.
- SEE SHEET S500 SERIES FOR FOUNDATION AND CONCRETE FRAMING DETAILS.
- SEE SHEET S700 SERIES FOR FRAMING DETAILS.

PLAN NOTES (UNLESS NOTED OTHERWISE):

- TOP OF DECK ELEVATION (TDE) = VARIES, SEE PLAN.
- TOP OF BEAM ELEVATION (TBE) = VARIES, SEE PLAN.
- SEE THE GENERAL STRUCTURAL NOTES AND SPECIFICATION FOR STEEL BEAM CONNECTION REQUIREMENTS. SEE THE TYPICAL CONNECTION SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
- VERIFY SIZE, LOCATION AND NUMBER OF ALL OPENINGS THROUGH ROOF WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. SEE TYPICAL DETAILS FOR REQUIRED FRAMING AT OPENINGS.
- ALL EXISTING CONDITIONS AND SIZES TO BE FIELD VERIFIED PRIOR TO FABRICATION AND CONSTRUCTION.

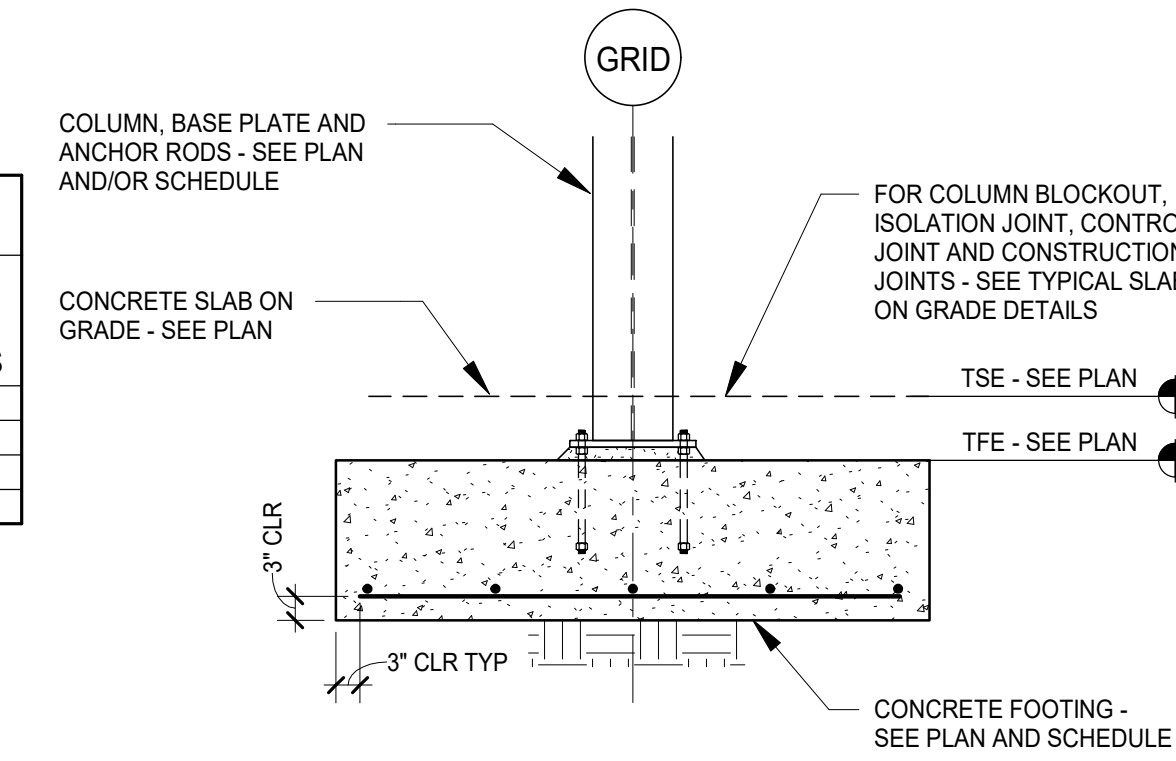


| BAR SIZE | f _c = 3,000 PSI | | f _c = 4,000 PSI | | f _c = 5,000 PSI | | f _c ≥ 6,000 PSI | |
|----------|----------------------------|---------|----------------------------|---------|----------------------------|---------|----------------------------|---------|
| | CLASS A | CLASS B | CLASS A | CLASS B | CLASS A | CLASS B | CLASS A | CLASS B |
| #3 | 18" | 22" | 16" | 20" | 14" | 18" | 12" | 16" |
| #4 | 22" | 30" | 20" | 26" | 18" | 22" | 16" | 20" |
| #5 | 28" | 36" | 24" | 32" | 22" | 28" | 20" | 26" |
| #6 | 34" | 44" | 30" | 38" | 26" | 34" | 24" | 32" |
| #7 | 48" | 64" | 42" | 54" | 38" | 50" | 34" | 44" |
| #8 | 56" | 72" | 48" | 62" | 44" | 56" | 40" | 52" |
| #9 | 62" | 82" | 54" | 70" | 48" | 64" | 44" | 58" |
| #10 | 70" | 92" | 62" | 80" | 54" | 70" | 50" | 64" |
| #11 | 78" | 102" | 68" | 88" | 60" | 78" | 56" | 72" |

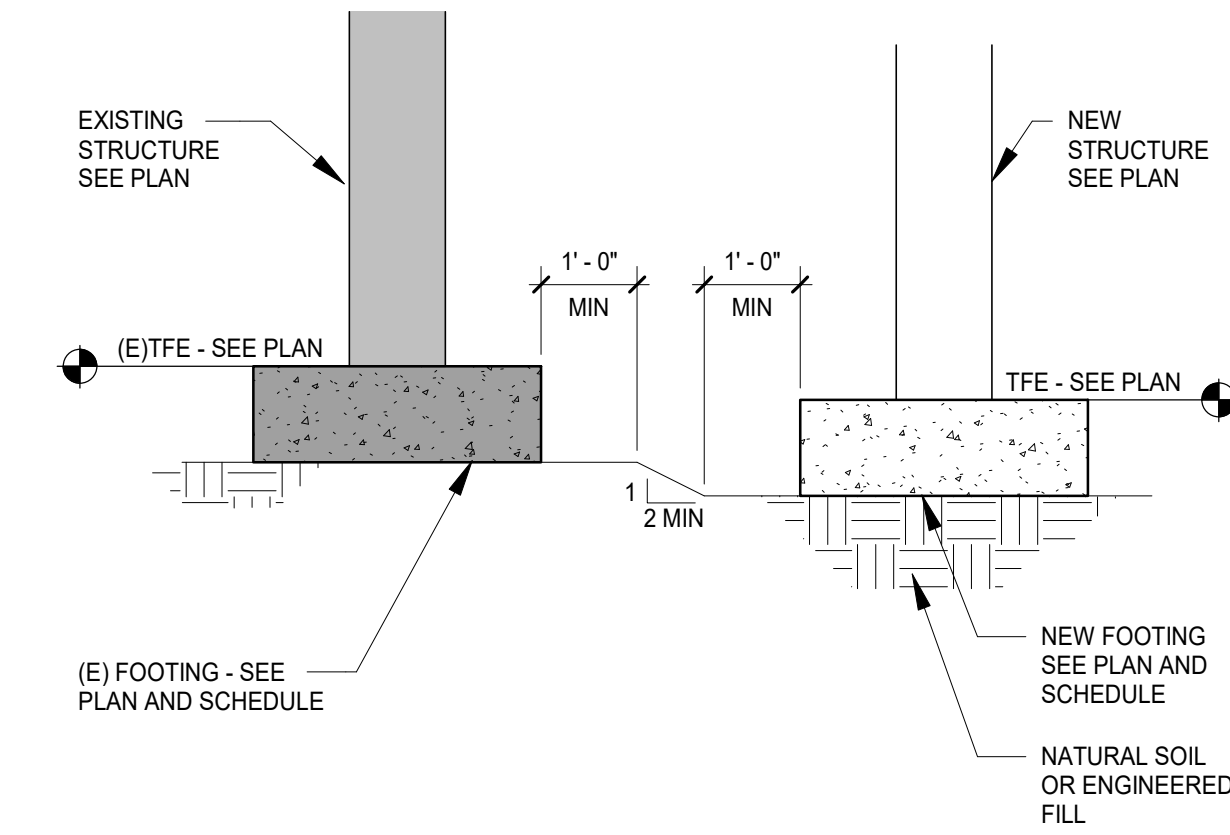
- NOTES:
1. REINFORCING BAR LAP SPLICE SCHEDULE APPLIES TO UNCOATED, GRADE 60 REINFORCING BARS IN NORMAL WEIGHT CONCRETE.
 2. PROVIDE CLASS A LAP UNLESS NOTED OTHERWISE.
 3. FOR EPOXY COATED BAR, MULTIPLY THE ABOVE LENGTHS BY 1.5.
 4. FOR LIGHT WEIGHT CONCRETE, MULTIPLY THE ABOVE LENGTHS BY 1.3.
 5. FOR TOP BARS IN BEAMS AND HORIZONTAL WALL REINFORCING, MULTIPLY THE ABOVE LENGTHS BY 1.3.
 6. MAXIMUM SPACING OF BARS BEING LAPPED IS ONE FIFTH THE LAP SPLICE LENGTH, NOT TO EXCEED 6".

| MARK | SIZE | | | REINFORCING - BOTTOM BARS | | REINFORCING - TOP BARS | | COMMENTS |
|------|--------|--------|-----------|---------------------------|-------|------------------------|-------|----------|
| | LENGTH | WIDTH | THICKNESS | LONG | TRANS | LONG | TRANS | |
| F1 | 11'-0" | 11'-0" | 1'-6" | 10-#6 | 10-#6 | 10-#6 | 10-#6 | |
| F2 | 4'-0" | 4'-0" | 1'-4" | 6-#6 | 6-#6 | | | NOTE 6 |
| F3 | 4'-0" | 5'-0" | 1'-0" | 6-#5 | 6-#5 | | | NOTE 6 |
| F4 | 5'-0" | 6'-0" | 1'-0" | 6-#5 | 7-#5 | | | |

- NOTES:
1. SEE TYPICAL FOOTING DETAILS FOR ADDITIONAL INFORMATION.
 2. LONGITUDINAL (LONG) BARS ARE PARALLEL TO FOOTING LENGTH DIMENSION AND TRANSVERSE (TRANS) BARS ARE PARALLEL TO FOOTING WIDTH DIMENSION.
 3. CENTER FOOTING ON COLUMN, PIER OR WALL UNLESS NOTED OTHERWISE.
 4. SEE GEOTECHNICAL REPORT FOR SUBGRADE REQUIREMENTS.
 5. FOR RECTANGULAR FOOTINGS, LONGITUDINAL BARS ARE TO BE THE BOTTOM LAYER OF REINFORCING.
 6. SEE PLAN FOR ORIENTATION.



3 TYPICAL INTERIOR WF COLUMN FOOTING DETAIL
S401 NO SCALE

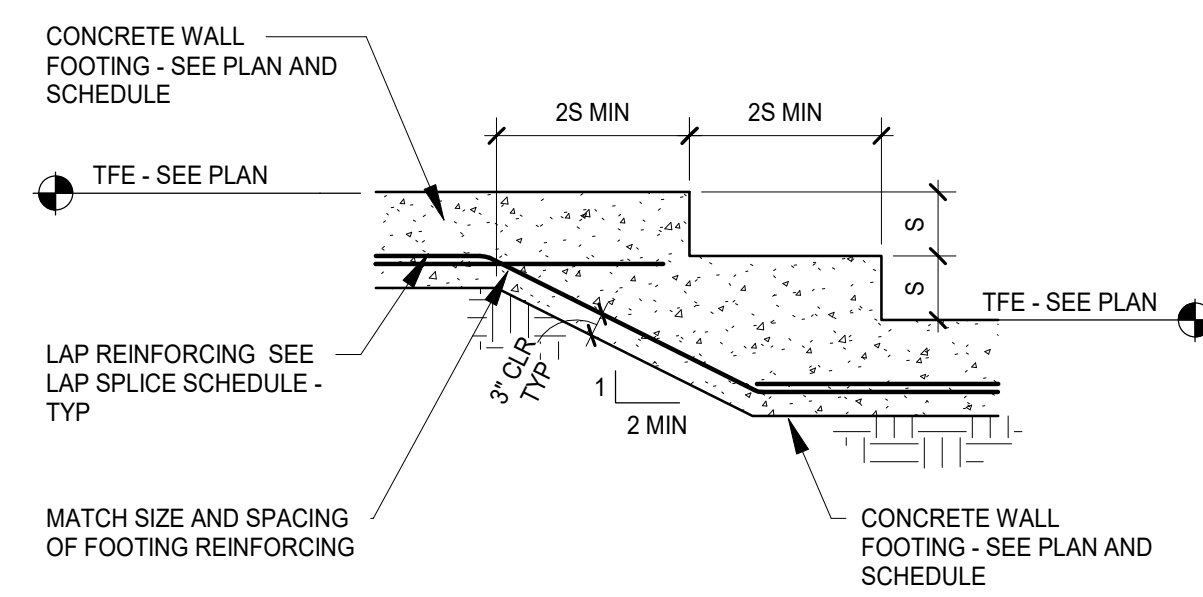


- NOTES:
1. SLOPE MAY BE INCREASED TO 1:1 SLOPE AT BEDROCK OR AS ALLOWED BY THE GEOTECHNICAL REPORT.
 2. WHERE ADJOINING/ADJACENT FOOTING ELEVATIONS DO NOT ALLOW SOIL SLOPES SHOWN, PROVIDE SOIL STABILIZATION OR RETENTION AS NEEDED.

4 TYPICAL NEW FOOTING ADJACENT TO EXISTING FOOTING DETAIL
S401 NO SCALE

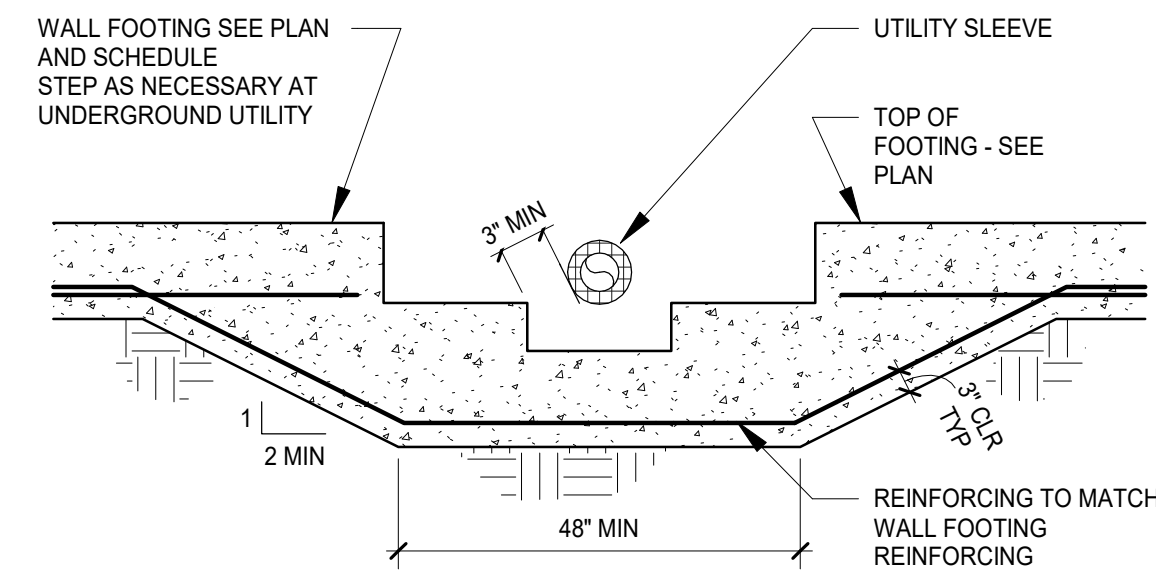
1 REINFORCING BAR LAP SPLICE SCHEDULE
S401 NO SCALE

2 CONCRETE PAD FOOTING SCHEDULE
S401 NO SCALE



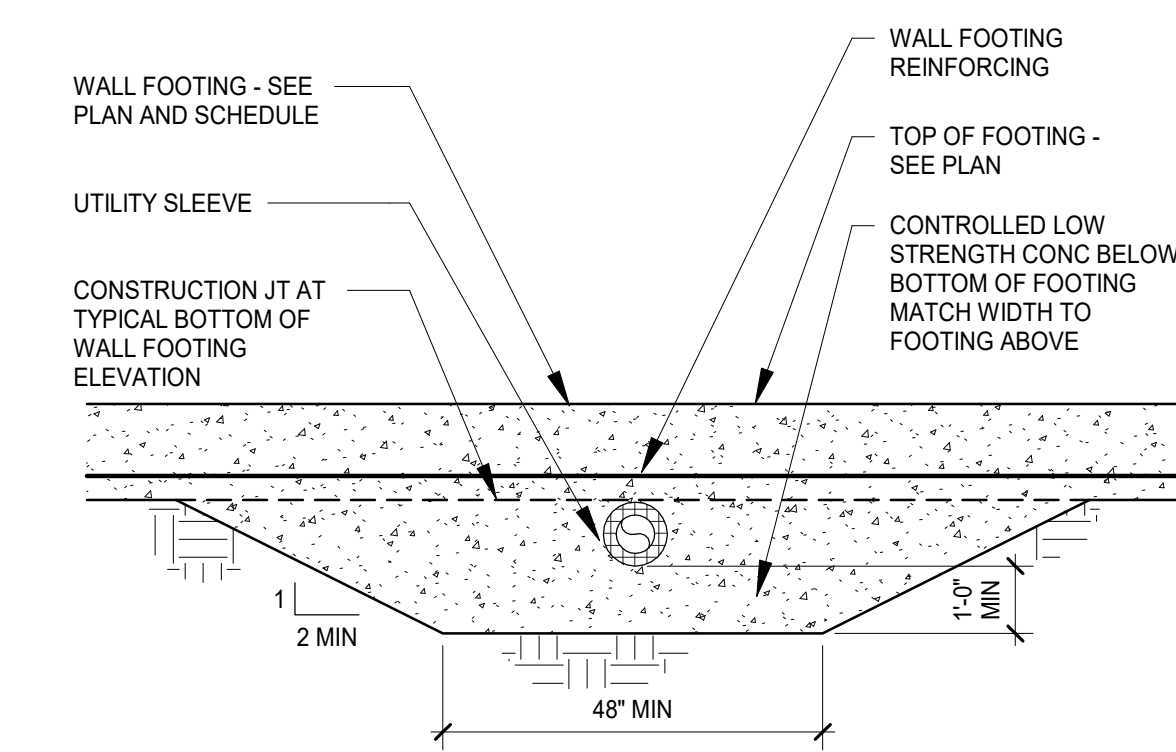
- NOTES:
1. SEE PLAN FOR FOOTING STEP LOCATIONS.
 2. 'S' SHALL NOT EXCEED 16" FOR CMU WALLS OR 24" FOR CAST-IN-PLACE OR PRECAST CONCRETE WALLS.

5 TYPICAL WALL FOOTING STEP
S401 NO SCALE



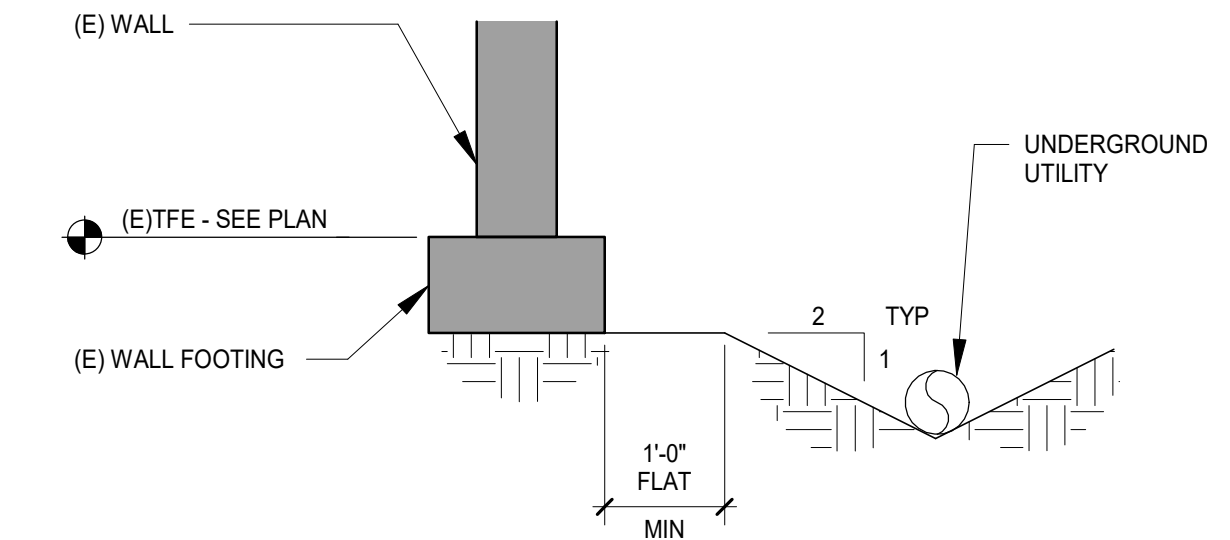
- NOTES:
1. SEE TYPICAL WALL FOOTING STEP DETAIL FOR ADDITIONAL INFORMATION.
 2. UTILITY SLEEVE DIAMETER TO BE 2" GREATER THAN UTILITY PIPE OUTSIDE DIAMETER. INSULATE WITH 1" COMPRESSIBLE MATERIAL BETWEEN SLEEVE AND UTILITY.
 3. AT FOOTINGS BELOW CMU WALLS, COORDINATE WALL FOOTING STEP LOCATIONS WITH CMU COURSING.

6 TYPICAL STEPPED WALL FOOTING AT UTILITIES
S401 NO SCALE



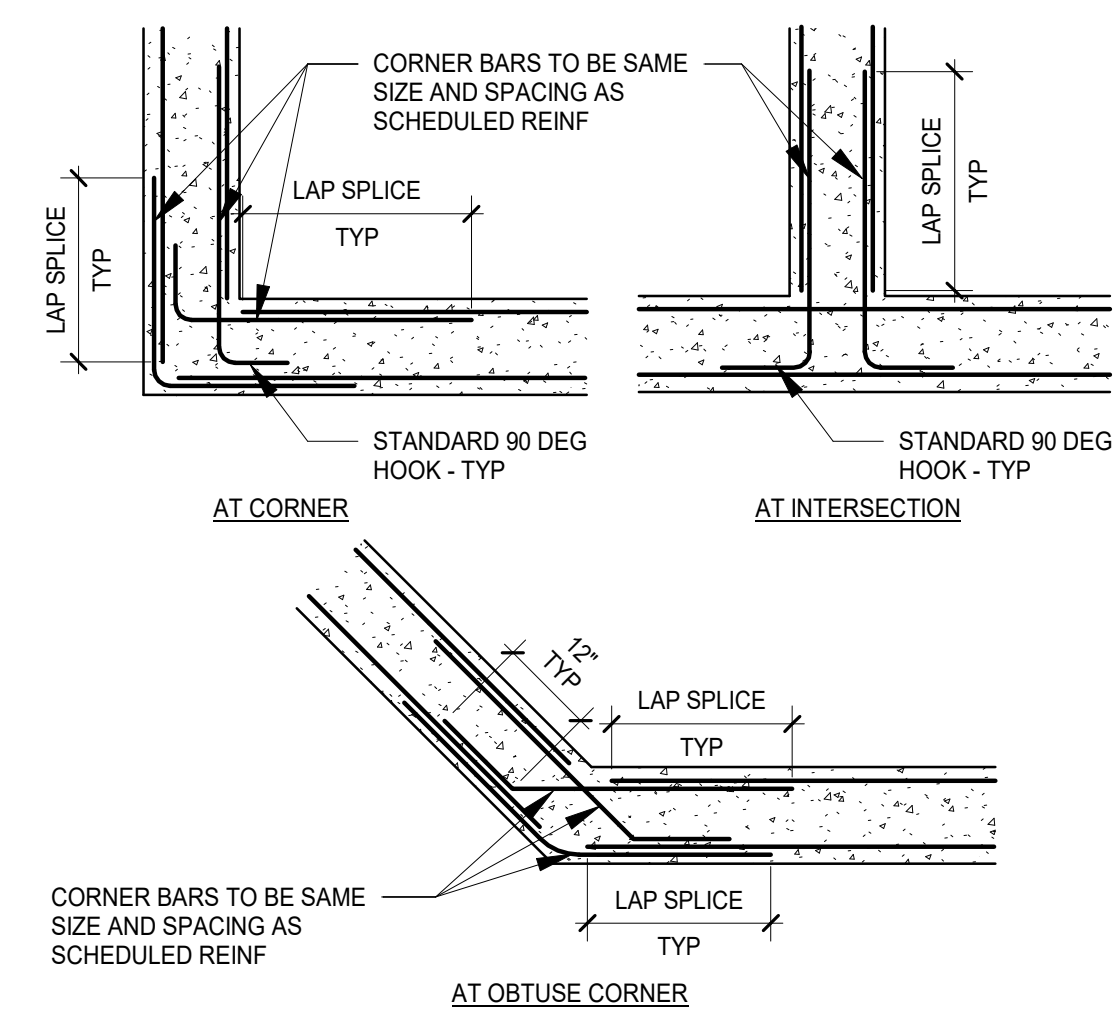
- NOTES:
1. THIS DETAIL IS A CONTRACTOR ALTERNATE TO STEPPED WALL FOOTINGS AT UTILITIES. THIS DETAIL MAY BE USED AT UTILITIES COMPLETELY BELOW THE BOTTOM OF WALL FOOTINGS ONLY.
 2. UTILITY SLEEVE DIAMETER TO BE 2" GREATER THAN UTILITY PIPE OUTSIDE DIAMETER. PROVIDE 1" COMPRESSIBLE MATERIAL BETWEEN SLEEVE AND UTILITY.

7 ALTERNATE THICKENED WALL FOOTING AT UTILITIES
S401 NO SCALE



- NOTES:
1. EXCAVATION ADJACENT TO UNDERGROUND UTILITIES SHALL NOT EXCEED 2:1 SLOPE SHOWN ABOVE OR AS RECOMMENDED BY GEOTECHNICAL ENGINEER OR AS REQUIRED BY OSHA MAX SLOPE.
 2. WHERE EXCAVATION SLOPE EXCEEDS LIMITS NOTED ABOVE, PROVIDE SOIL STABILIZATION OR RETENTION.

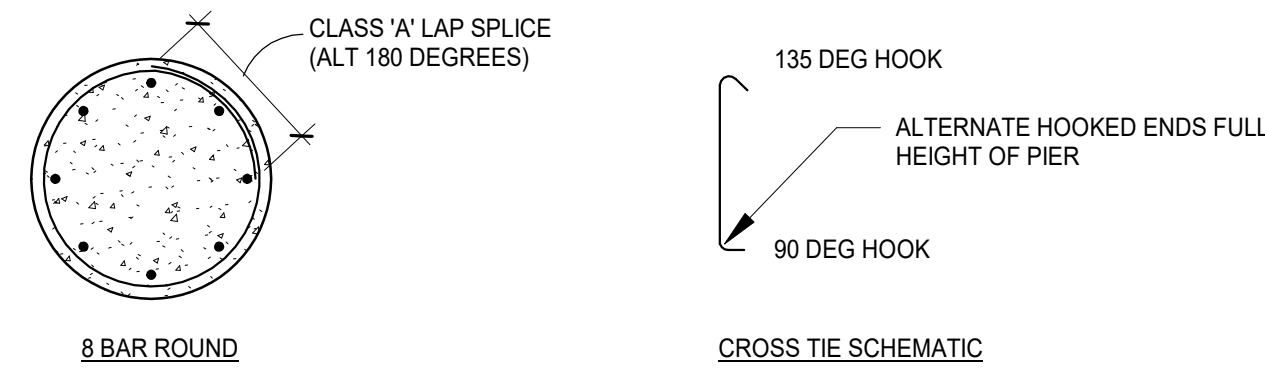
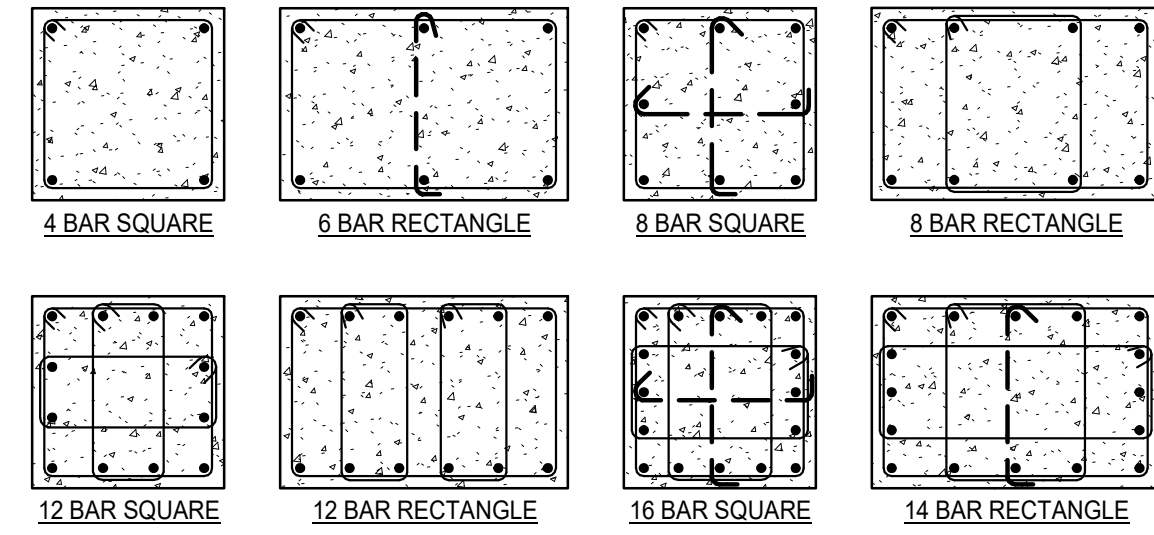
8 TYPICAL EXISTING WALL FOOTING DETAIL AT ADJACENT UNDERGROUND UTILITIES
S401 NO SCALE



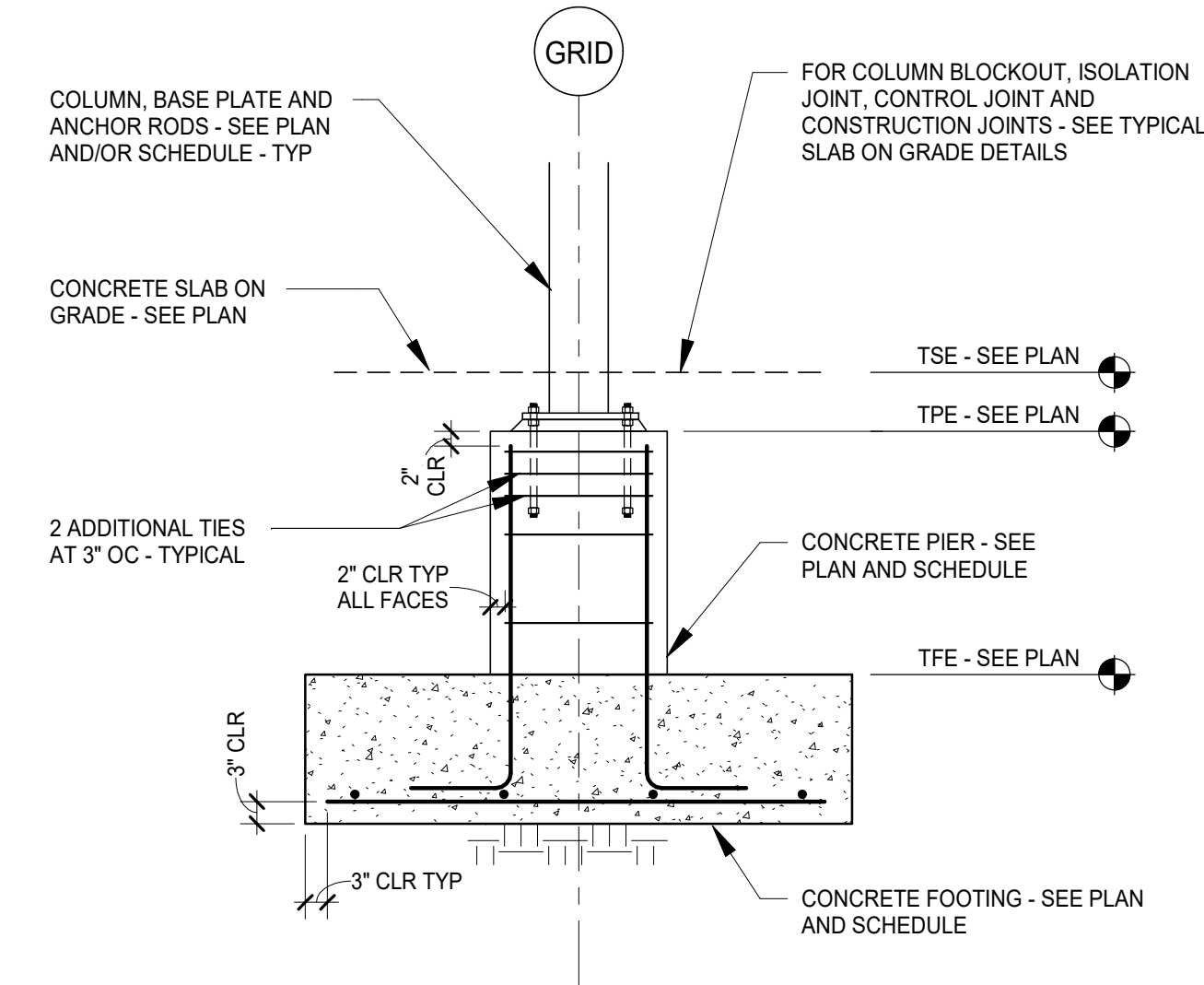
- NOTES:
1. VERTICAL REINFORCING NOT SHOWN FOR CLARITY.

9 TYPICAL CORNER BAR PLACING DETAIL
S401 NO SCALE

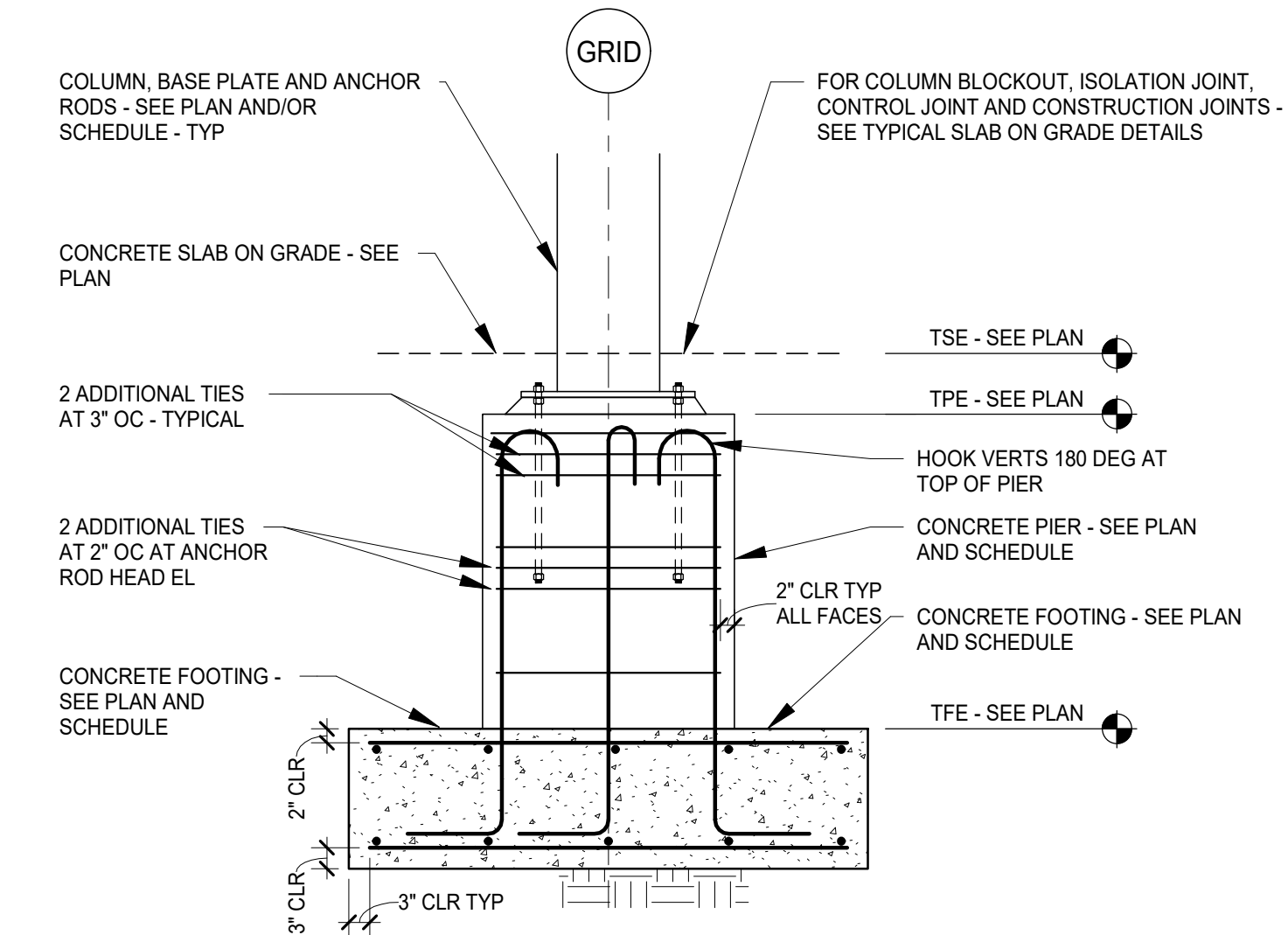
| PIER SCHEDULE | | | | |
|---------------|---------------|---------------|-------------|----------|
| PIER MARK | SIZE | REINFORCING | | COMMENTS |
| | | VERTICAL BARS | TIES | |
| P1 | 2'-0" x 2'-0" | 12 - #7 | #4 AT 9" OC | |
| P2 | 2'-6" x 2'-6" | 12 - #8 | #3 AT 9" OC | |



NOTES:
1. IF CLEAR SPACING BETWEEN VERTICAL BARS IS GREATER THAN 6", PROVIDE ADDITIONAL CROSS TIES, SHOWN DASHED.



3 TYPICAL STRUCTURAL STEEL COLUMN, CONCRETE PIER AND FOOTING DETAIL
S402 NO SCALE



4 TYPICAL WF MOMENT FRAME COLUMN, CONCRETE PIER AND FOOTING DETAIL
S402 NO SCALE

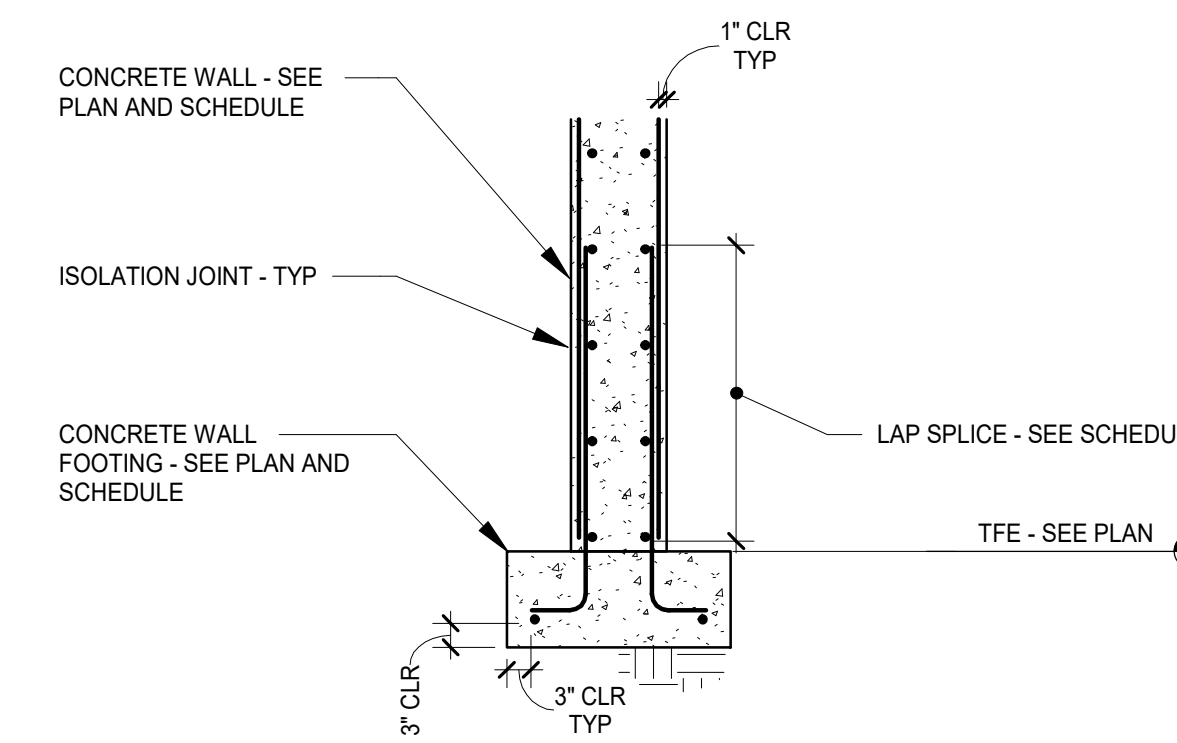
NOTES:
1. SEE TYPICAL COLUMN, PIER AND FOOTING DETAIL FOR ADDITIONAL INFORMATION.
2. SEE TYPICAL CONCRETE PIER BAR AND TIE LAYOUT FOR REINFORCING CONFIGURATIONS.
3. PROVIDE STANDARD 90 DEGREE HOOK AT VERTICAL (VERT) BARS TO FOOTING.
4. CONTRACTORS OPTION PROVIDE HOOKED DOWELS LAP SPICED TO VERTICAL REINFORCING. MATCH SIZE AND LOCATION OF VERTICAL REINFORCING.

1 CONCRETE PIER SCHEDULE
S402 NO SCALE

2 CONCRETE PIER BAR AND TIE LAYOUT
S402 NO SCALE

| CONCRETE WALL FOOTING SCHEDULE | | | | | |
|--------------------------------|-------|-----------|-------------|--------------|----------|
| MARK | WIDTH | THICKNESS | REINFORCING | | COMMENTS |
| | | | LONG | TRANS | |
| WF1 | 3'-6" | 1'-4" | 3 - #5 | #5 AT 10" OC | NOTE 4 |

| CONCRETE WALL REINFORCING SCHEDULE | | | | | | |
|------------------------------------|-----------|--------------|--------------|--------------|--------------|----------|
| MARK | THICKNESS | INSIDE FACE | | OUTSIDE FACE | | COMMENTS |
| | | HORIZ | VERT | HORIZ | VERT | |
| CW1 | 1'-0" | #5 AT 18" OC | #5 AT 12" OC | #5 AT 18" OC | #5 AT 12" OC | |



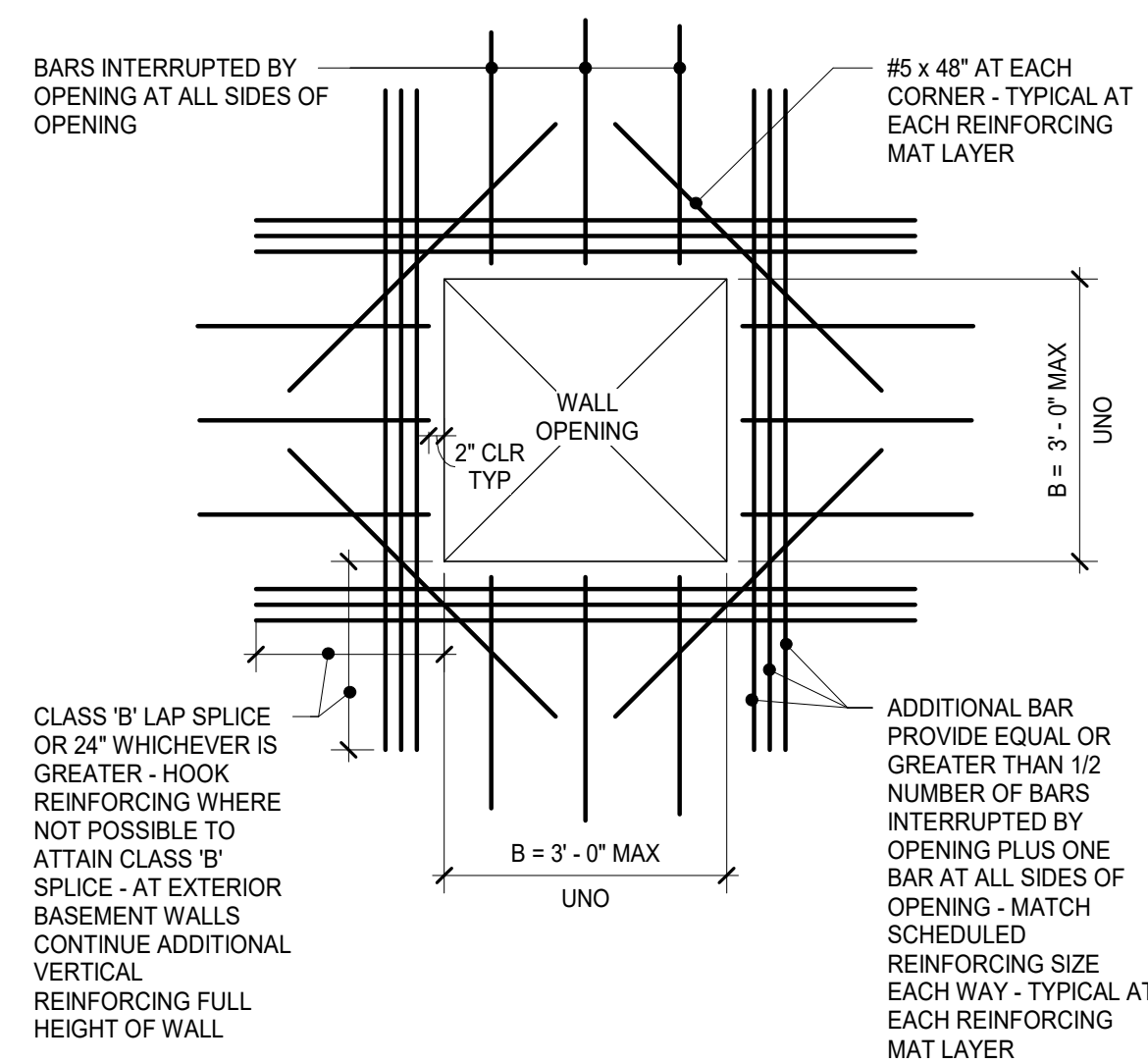
7 TYPICAL CONCRETE WALL AND FOOTING DETAIL
S402 NO SCALE

NOTES:
1. SEE TYPICAL WALL FOOTING DETAILS FOR ADDITIONAL INFORMATION.
2. LONGITUDINAL (LONG) REINFORCING IS CONTINUOUS. PROVIDE CLASS "A" LAP SPICE TYP UNLESS NOTED OTHERWISE.
3. PROVIDE CORNER BARS AT CORNERS AND INTERSECTIONS.
4. REINFORCEMENT TOP AND BOTTOM.

5 CONCRETE WALL FOOTING SCHEDULE
S402 NO SCALE

NOTES:
1. SEE TYPICAL WALL DETAILS FOR ADDITIONAL INFORMATION.
2. PROVIDE DOWELS AT FOUNDATION TO MATCH SIZE AND SPACING OF VERTICAL REINFORCING.

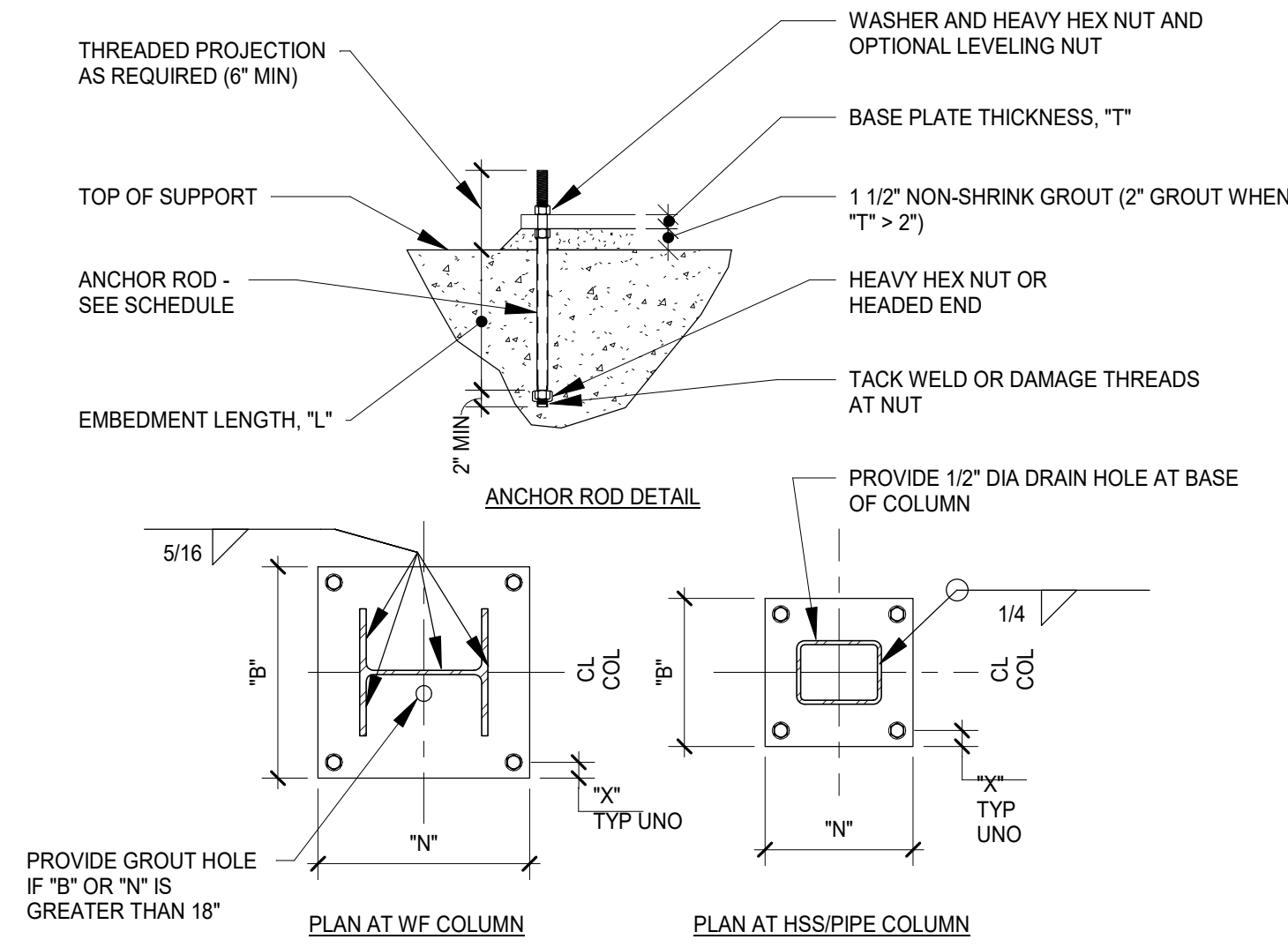
6 CONCRETE WALL REINFORCING SCHEDULE
S402 NO SCALE



8 TYPICAL ADDITIONAL BAR PLACING DETAIL FOR WALL OPENING
S402 NO SCALE

| STEEL COLUMN AND BASE PLATE SCHEDULE | | | | | | | | | | | |
|--------------------------------------|------------|------------|----------|----------|-------------|-----|----------|-----------|----------|----------|-------------|
| MARK | COL SIZE | BASE PLATE | | | ANCHOR RODS | | | CAP PLATE | | | COMMENTS |
| | | "N" (IN) | "B" (IN) | "T" (IN) | "X" (IN) | NO. | DIA (IN) | "L" (IN) | "N" (IN) | "B" (IN) | |
| SC1 | W14x82 | 26 | 20 | 2 1/4 | 3 | 4 | 1 3/4 | 12 | | | NOTE 10 |
| SC2 | W12x53 | 22 | 14 | 2 | 2 | 4 | 1 1/2 | 12 | | | NOTE 10 |
| SC3 | HSS5x5x1/4 | 12 | 12 | 1 | 1 1/2 | 4 | 1 | 6 | | | |
| SC4 | HSS4x4x1/4 | 12 | 12 | 1 | 1 1/2 | 4 | 1 | 6 | | | NOTE 9 |
| SC5 | W12x53 | | | | | | | | | | |
| SC6 | W12x53 | 18 | 14 | 1 7/8 | | 4 | 1 1/2 | 12 | | | NOTE 10, 11 |
| SC7 | W14x82 | 14 | 14 | 1 7/8 | | 4 | 1 1/2 | 12 | | | NOTE 10, 11 |

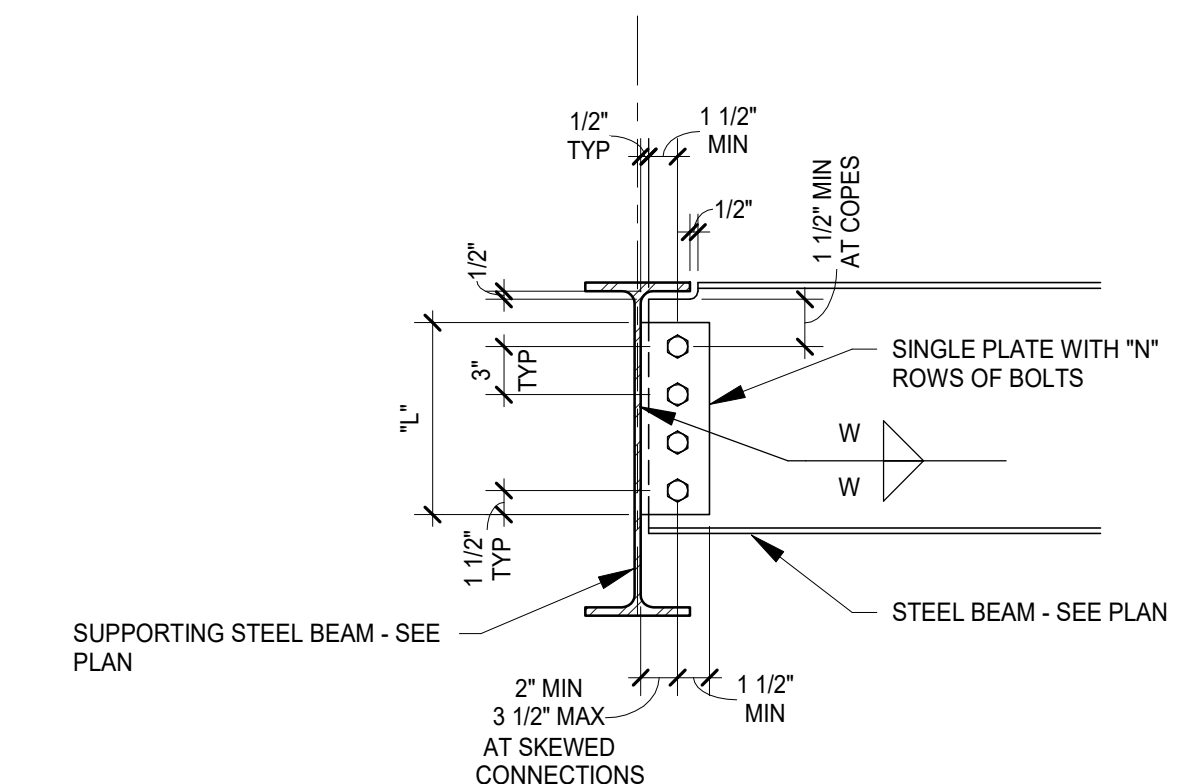
- NOTES:
1. ANCHOR RODS SHALL BE ASTM F1554, GRADE 36.
2. BASE PLATES AND CAP PLATES SHALL BE ASTM A36.
3. MILL COLUMN BASE AND/OR BASE PLATE AND CAP PLATE AS NECESSARY FOR FULL CONTACT.
4. BASE AND CAP PLATE THICKNESS INDICATED IS MINIMUM THICKNESS AFTER MILLING.
5. ANCHOR RODS SHALL NOT BE SET INTO CONCRETE AFTER CONCRETE IS CAST.
6. PROVIDE MAXIMUM HOLE SIZE IN BASE PLATE FOR ANCHOR RODS PER AISC TABLE 14-2, UNLESS NOTED OTHERWISE.
7. SEE TYPICAL COLUMN BASE PLATE DETAILS FOR ADDITIONAL INFORMATION.
8. SEE PLANS FOR FOUNDATION AND TOP OF STEEL ELEVATIONS.
9. FOR COLUMN BASE TO TRANSFER BEAM CONNECTION, SEE DETAIL 8/ S403.
10. PROVIDE PLATE WASHERS SIZED PER AISC TABLE 14-2 WELDED TO BASEPLATE AT ANCHOR RODS.
11. FOR BASE PLATE CONFIGURATION, SEE DETAIL 9/ S403.



- NOTES:
1. SEE SCHEDULE FOR BASE PLATE AND ANCHOR ROD DIMENSIONS.
2. DIMENSION "N" IS PARALLEL TO WF WEB OR LONGER HSS DIMENSION.

| BEAM CONNECTION SHEAR FORCE | |
|-----------------------------|---------------------------|
| BEAM SIZE | DESIGN SHEAR FORCE (KIPS) |
| W8 | 10 |
| W10 | 15 |
| W12 | 20 |
| W14 | 25 |
| W16 | 30 |
| W18 | 40 |

- NOTES:
1. ALL DESIGN FORCES IN KIPS.
2. CONTRACTOR/FABRICATOR SHALL DESIGN CONNECTIONS FOR SHEAR FORCES SHOWN IN THE SCHEDULE UNLESS NOTED OTHERWISE ON PLAN.



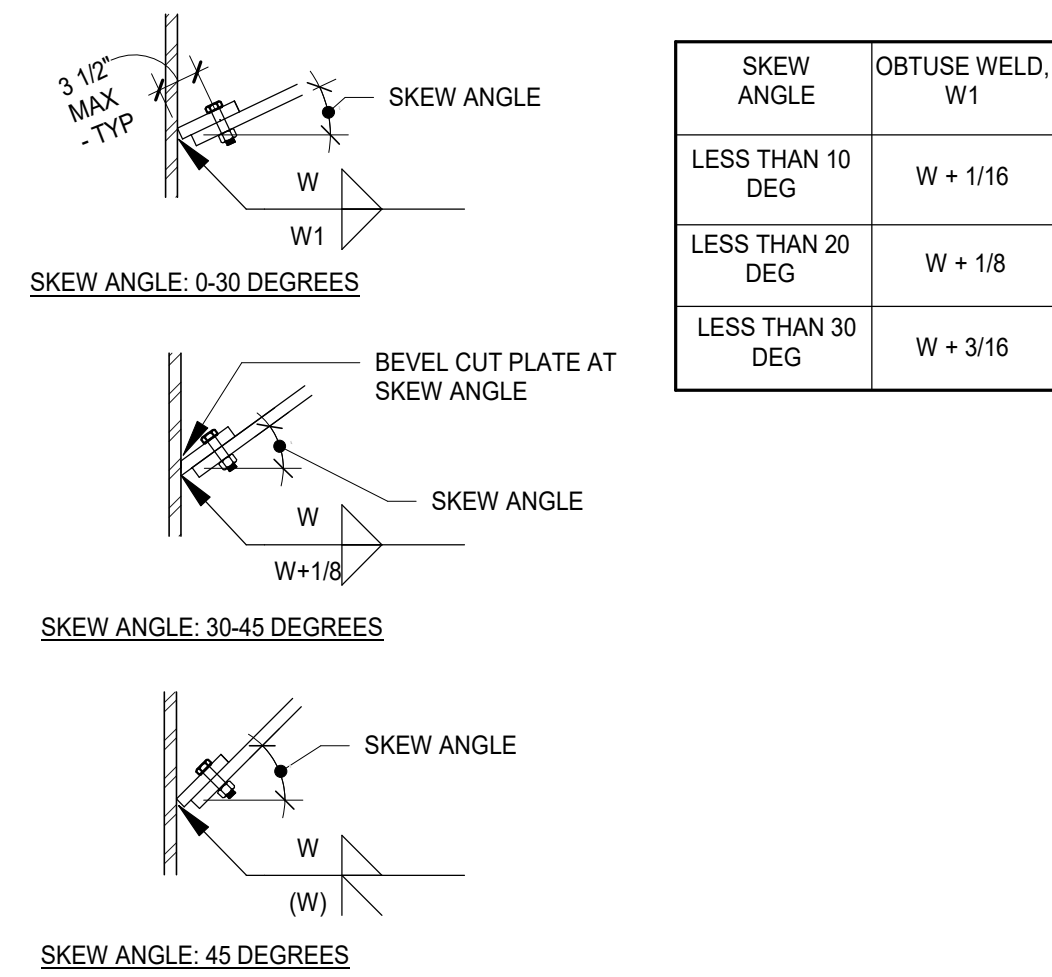
- NOTES:
1. SINGLE PLATE CONNECTIONS SHALL NOT BE USED AT BEAM TO WIDE FLANGE COLUMN WEB CONNECTIONS, AT THE ENDS OF SUPPORTING BEAMS (GIRDERS) OR AT THE ENDS OF PERIMETER BEAMS UNLESS NOTED OTHERWISE.
2. BOLTS SHALL BE ASTM A325 (OR F1852) UNLESS NOTED OTHERWISE.
3. PROVIDE STANDARD OR SHORT-SLOT LOAD TRANSVERSE HOLES IN PLATE.

1 STEEL COLUMN AND COLUMN BASE PLATE SCHEDULE
S403 NO SCALE

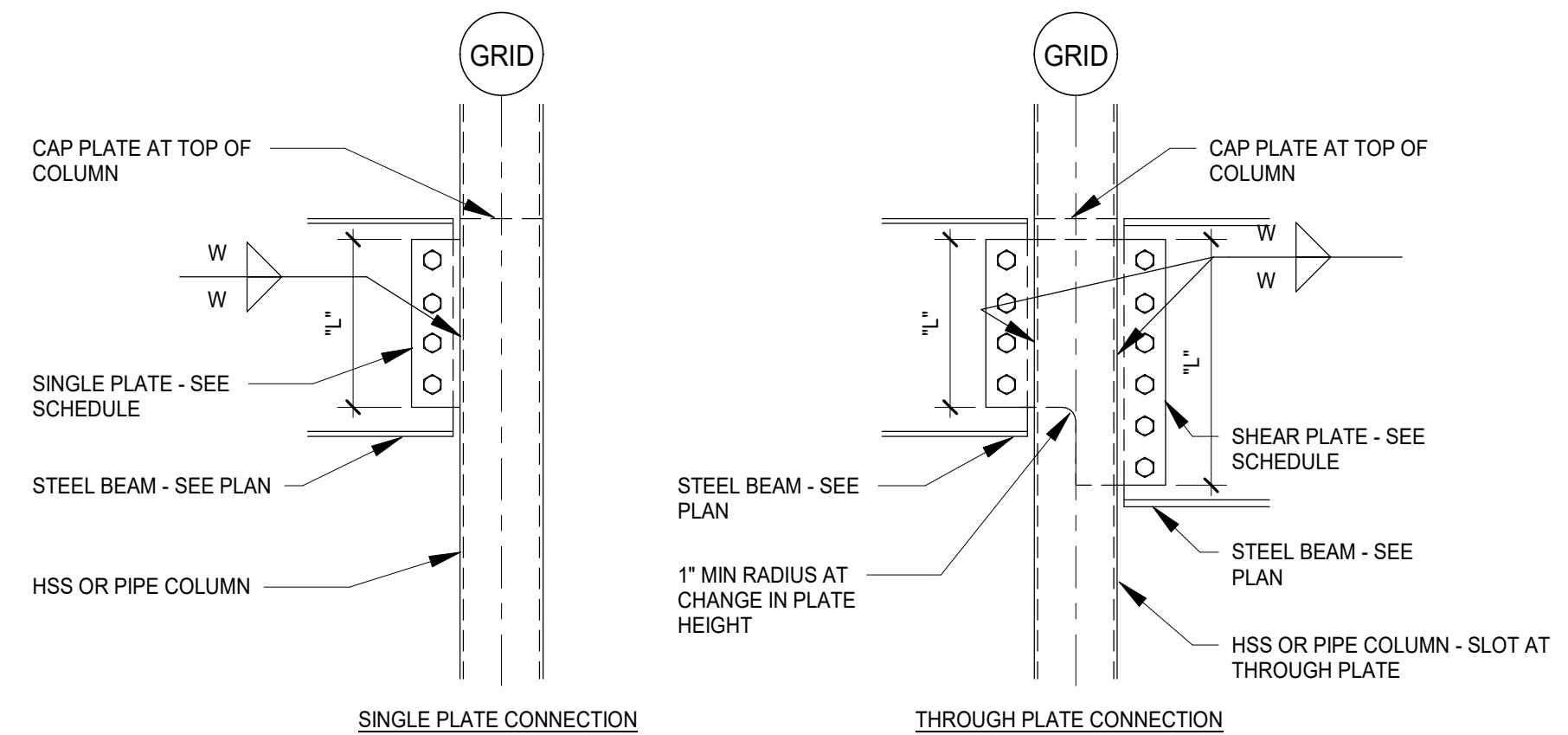
2 TYPICAL COLUMN BASE PLATE DETAILS
S403 NO SCALE

3 BEAM CONNECTION DESIGN SHEAR FORCE SCHEDULE
S403 NO SCALE

4 TYPICAL SINGLE PLATE CONNECTION DETAIL
S403 NO SCALE

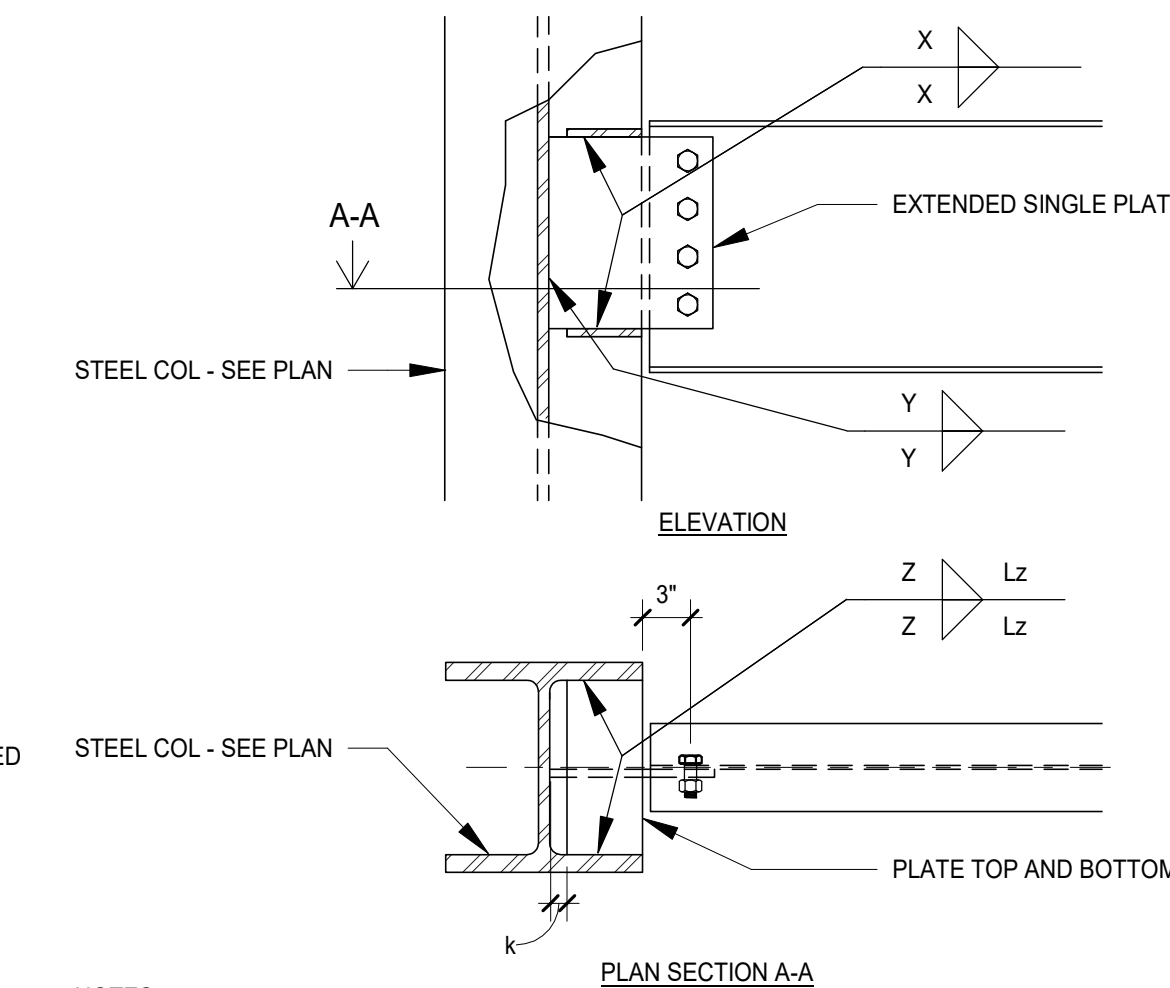


- NOTES:
1. SEE TYPICAL SINGLE PLATE CONNECTION DETAILS FOR PLATE DIMENSIONS AND NOTES.
2. "W" INDICATES NOMINAL WELD SIZE SHOWN ON TYPICAL SINGLE PLATE CONNECTION SCHEDULE.
3. PROVIDE STANDARD HEX HEAD BOLTS WHERE FIT-UP DOES NOT ALLOW USE OF TENSION-CONTROL BOLTS.



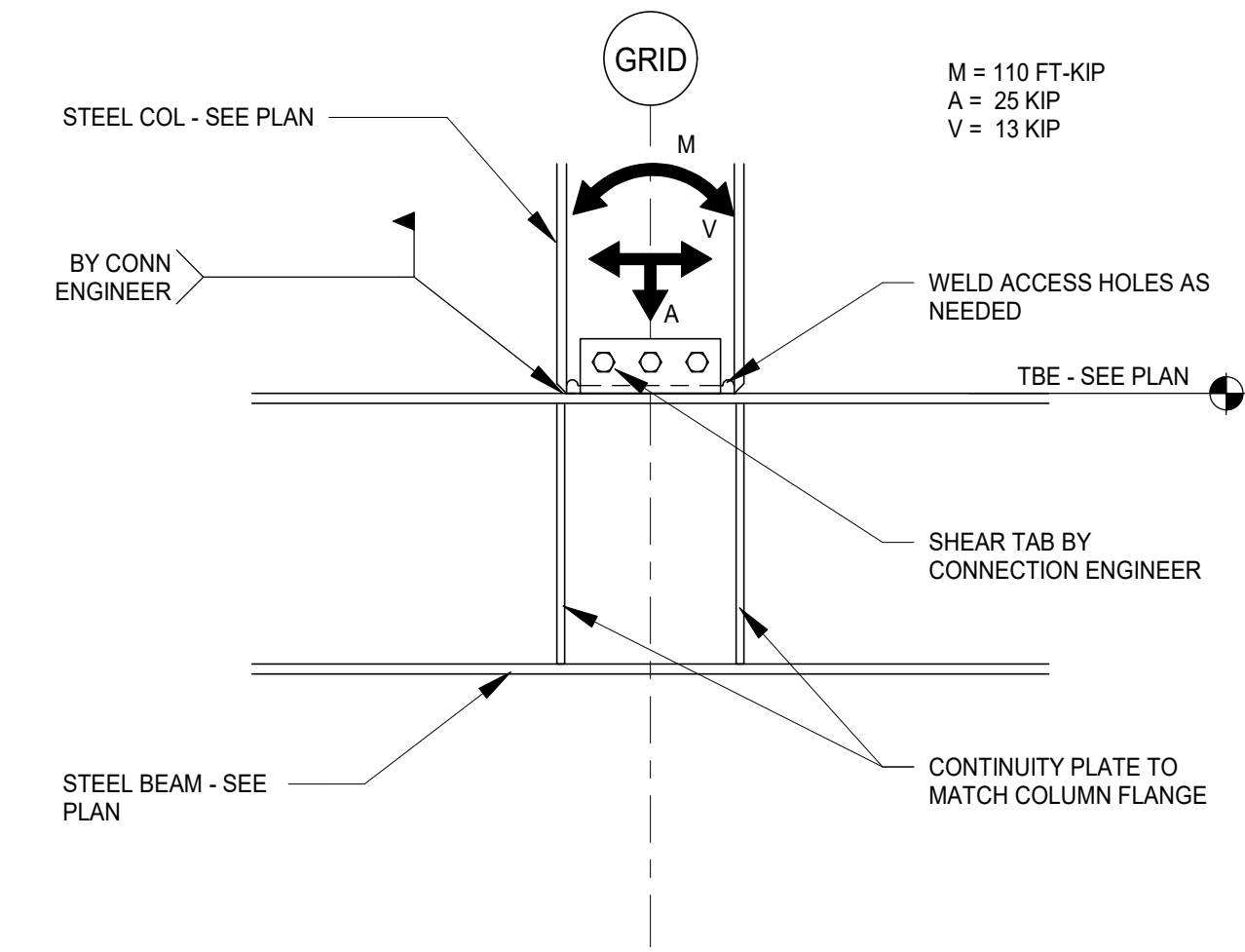
- NOTES:
1. PROVIDE THROUGH PLATE CONNECTIONS AT HSS OR PIPE COLUMNS WITH WALL THICKNESSES LESS THAN 1/4" AND WHERE INDICATED ON PLAN AND/OR SCHEDULE.
2. PROVIDE *CAP PLATE WITH SEAL WELDS AT TOP OF COLUMN WHERE NO COLUMN IS PRESENT ABOVE THE CONNECTION. WHERE CAP PLATES ARE INDICATED IN A COLUMN SCHEDULE PROVIDE THE SCHEDULED PLATE.
3. AT THROUGH PLATES WHERE THE SCHEDULED SINGLE PLATE THICKNESS DIFFERS FOR BEAMS ON EITHER SIDE OF THE COLUMN, PROVIDE A THROUGH PLATE WITH THE LARGER OF THE TWO SCHEDULED PLATE THICKNESSES.
4. SEE TYPICAL SINGLE PLATE CONNECTION SCHEDULE AND DETAILS FOR ADDITIONAL INFORMATION.

6 TYPICAL SINGLE PLATE CONNECTIONS AT HSS AND PIPE COLUMN DETAILS
S403 NO SCALE



- NOTES:
1. SEE TYPICAL EXTENDED SINGLE PLATE CONNECTION SCHEDULE FOR PLATE AND WELD INFORMATION.

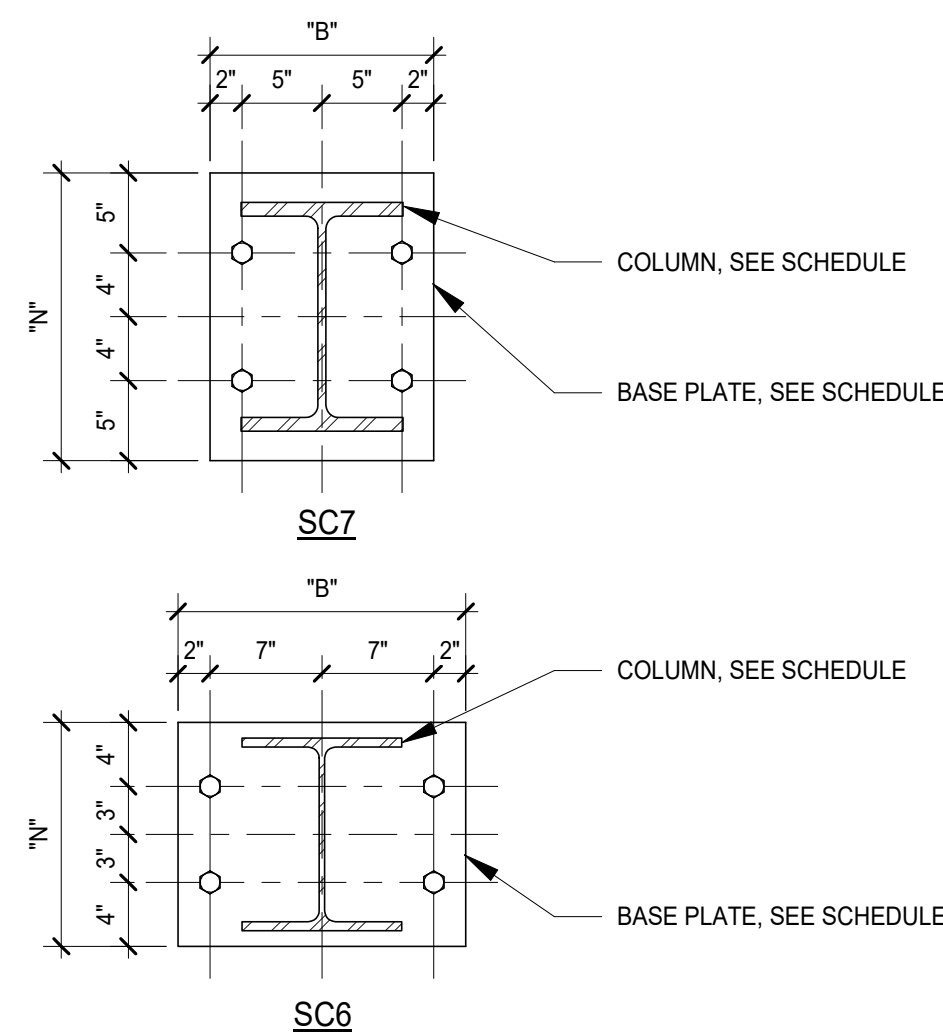
7 TYPICAL EXTENDED SINGLE PLATE CONNECTION TO COLUMN WEB DETAIL
S403 NO SCALE



- NOTES:
1. CONTRACTOR OPTION TO PROVIDE WELDED, BOLTED OR END PLATE MOMENT CONNECTIONS.

8 MOMENT FRAME COLUMN TO BEAM
S403 1" = 1'-0"

5 TYPICAL SKEWED SINGLE PLATE DETAILS
S403 NO SCALE

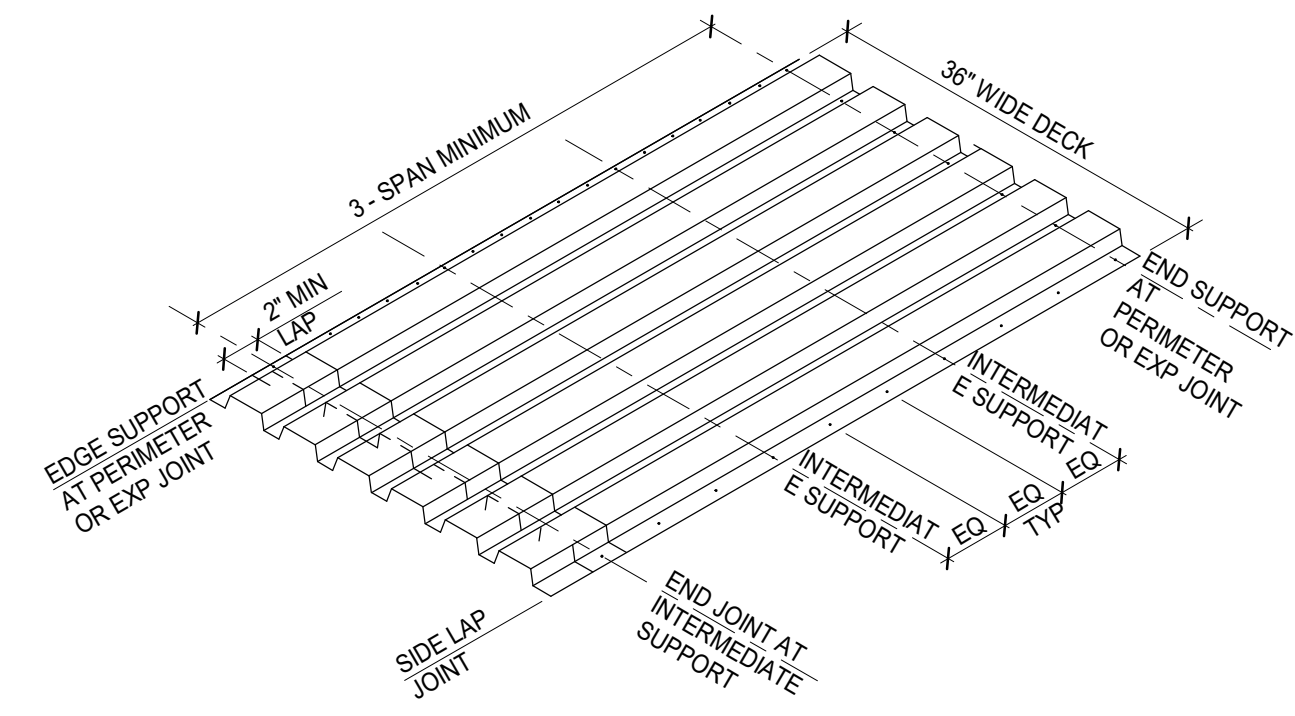


- NOTES:
1. FOR ADDITIONAL INFORMATION SEE TYPICAL BASEPLATE DETAIL AND SCHEDULE.

9 BASE PLATE DETAIL
S403 1" = 1'-0"

| FLOOR AND ROOF DECK SCHEDULE | | | | |
|------------------------------|-----------------------|------------------|-------------|----------|
| MARK | DECK TYPE | CONCRETE TOPPING | | COMMENTS |
| | | THICKNESS | REINFORCING | |
| D1 | 1 1/2" - 20 GA TYPE B | | | |
| D1 | 9/16" - 24 GA TYPE C | 2" | | |

- NOTES:
- SEE TYPICAL DECK ATTACHMENT SCHEDULES AND DETAILS FOR DECK ATTACHMENT INFORMATION.
 - SEE GENERAL STRUCTURAL NOTES FOR CONCRETE STRENGTH.
 - CONCRETE TOPPING THICKNESS IS FROM TOP OF DECK TO TOP OF CONCRETE.
 - SEE PLANS AND DETAILS FOR ADDITIONAL REINFORCING AND REINFORCING PLACEMENT AT CONCRETE SLABS ON METAL DECK.

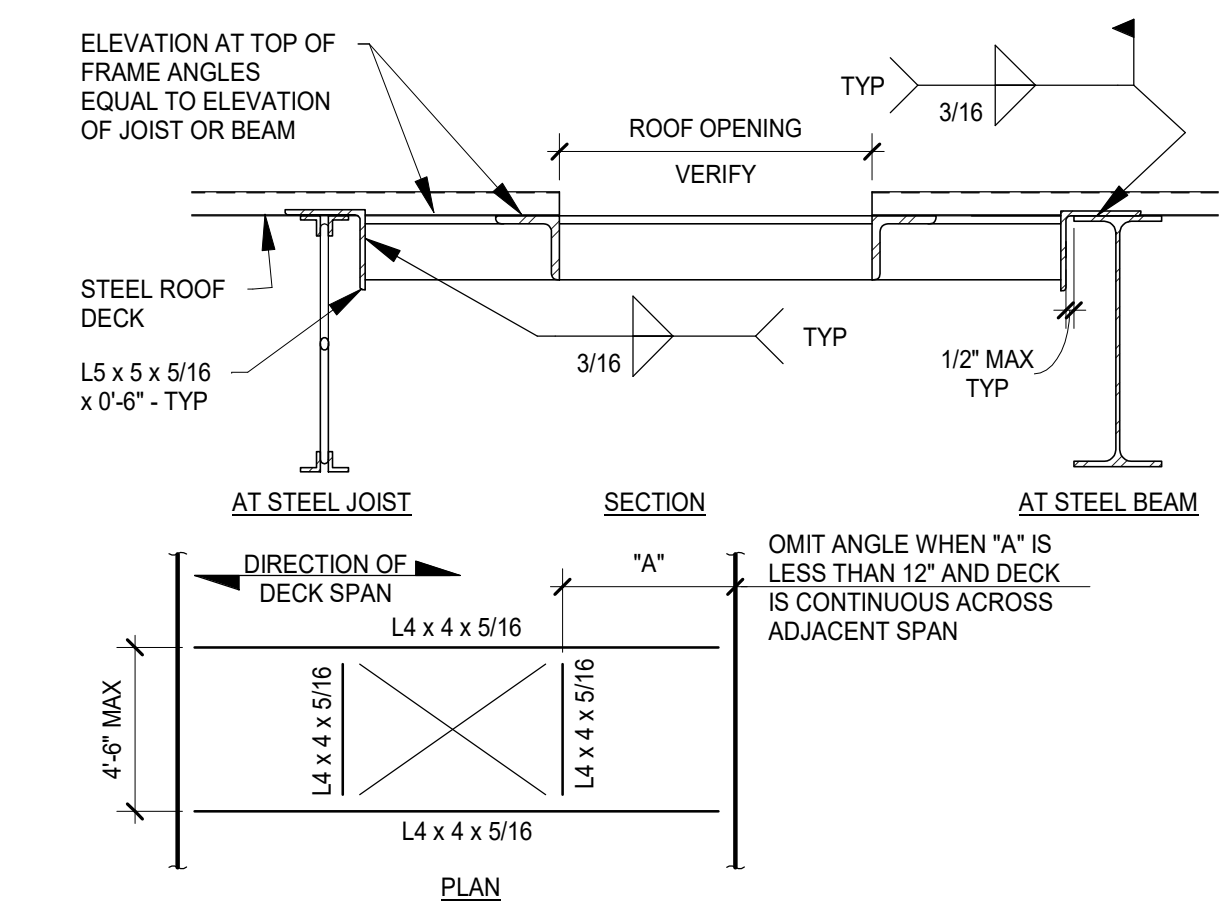


| DECK SUPPORT CONDITION | DECK ATTACHMENT |
|------------------------|---|
| END SUPPORT | PUDDLE WELDS AT EACH LOW FLUTE |
| EDGE SUPPORT | PUDDLE WELDS AT 12" OC |
| INTERMEDIATE SUPPORT | PUDDLE WELDS IN 36/5 PATTERN |
| END LAP JOINT | PUDDLE WELDS AT EACH LOW FLUTE |
| SIDE LAP JOINT | #10 TEK SCREWS AT 8" OC AT UPPER EAVE DIAPHRAGM #10 TEK SCREWS AT 18" OC AT SECOND FLOOR DIAPHRAGM |

- NOTES:
- ALL PUDDLE (ARC-SPOT) WELDS SHALL BE 5/8" DIAMETER.
 - PROVIDE DECK ATTACHMENTS AT SPACING SHOWN UNLESS NOTED OTHERWISE ON DRAWINGS.
 - AT END LAP CONDITIONS, PUDDLE WELDS SHALL PROVIDE FUSION THROUGH BOTH DECK LAYERS.

2 TYPICAL 1 1/2" ROOF DECK ATTACHMENT SCHEDULE AND DETAIL

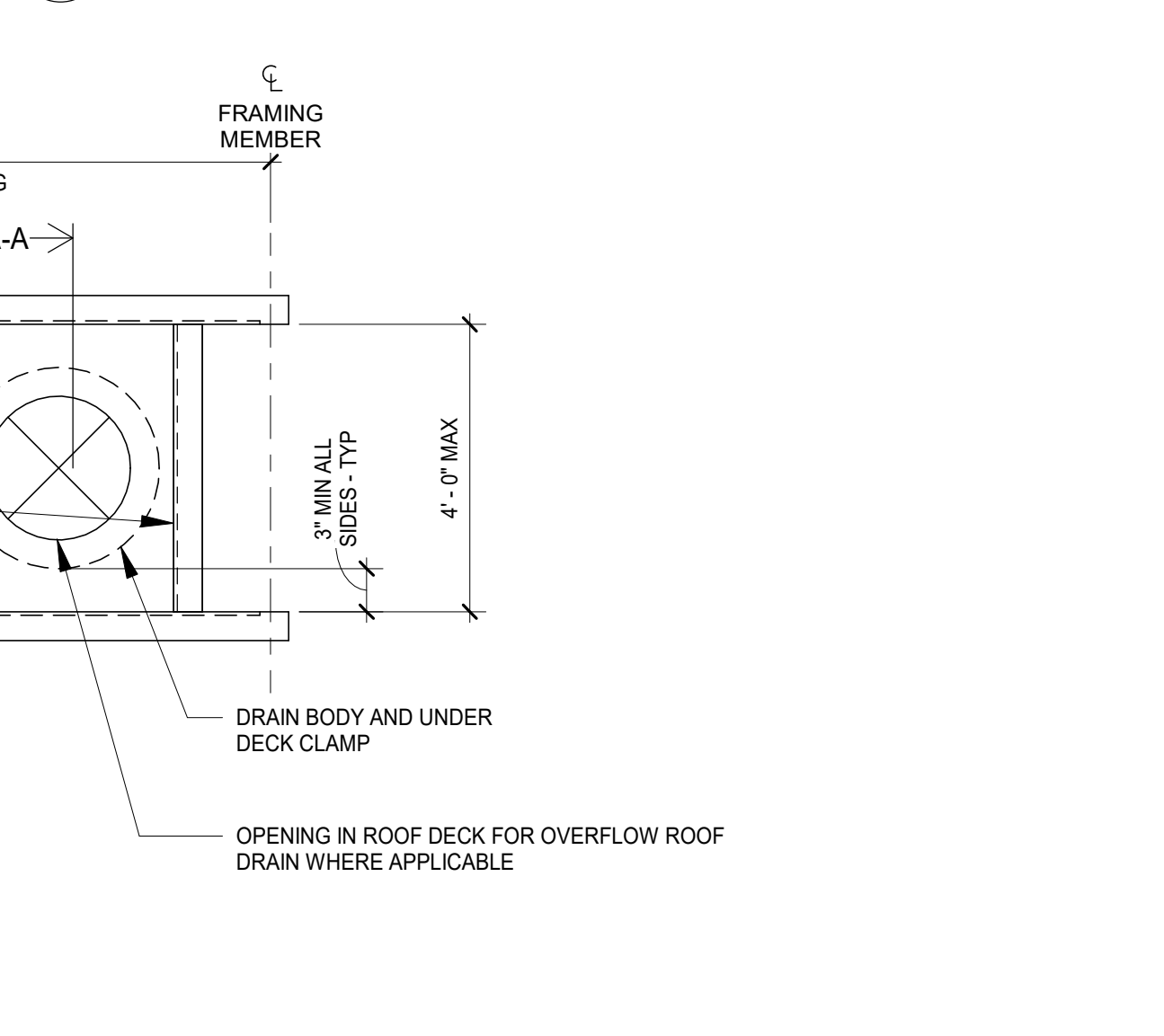
1 FLOOR AND ROOF DECK SCHEDULE



- NOTES:
- VERIFY OPENING SIZES AND LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO FABRICATION.
 - WELD DECK AT OPENING AT EACH FLUTE WITH PUDDLE WELDS PER TYP DECK ATTACHMENT DETAILS.
 - DO NOT CUT OPENING IN DECK UNTIL NECESSARY, CONTRACTOR TO COORDINATE.
 - THIS ROOF OPENING FRAME IS NOT DESIGNED TO SUPPORT THE WEIGHT OF ROOF TOP MECHANICAL EQUIPMENT WEIGHING OVER 400 LBS. EQUIPMENT SHALL BE SUPPORTED ON A STRUCTURAL CURB DESIGNED BY THE SUPPLIER TO SPAN TO THE PRIMARY STRUCTURAL FRAMING.

5 TYPICAL 1 1/2" ROOF DECK OPENING DETAIL (≤ 4'-6")

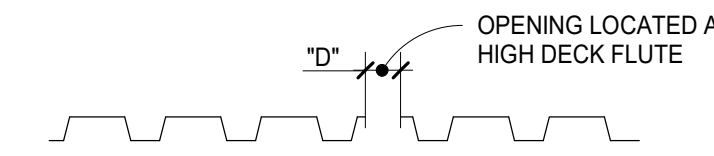
6 TYPICAL SPLICE IN LEDGER ANGLE AT PERIMETER OF ROOF OR FLOOR



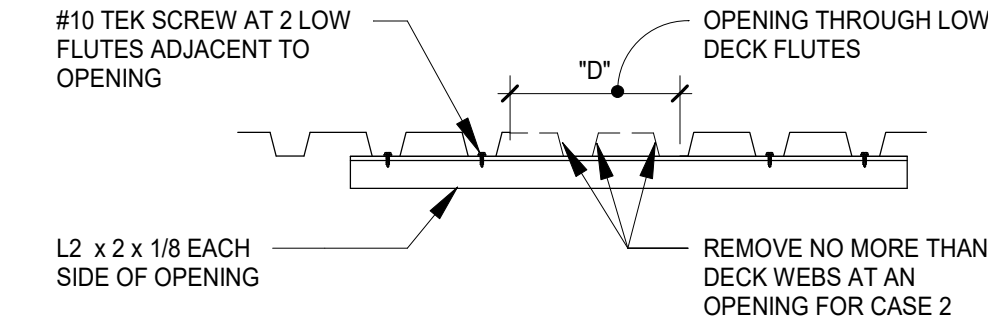
- NOTES:
- PUDDLE WELD OR FASTENER PER STRUCTURAL NOTES.

9 TYPICAL ROOF DRAIN OPENING FRAME

CASE 1: FOR OPENINGS WHICH DO NOT CUT VERTICAL FLUTE WEBS - NO REINFORCING IS REQUIRED:



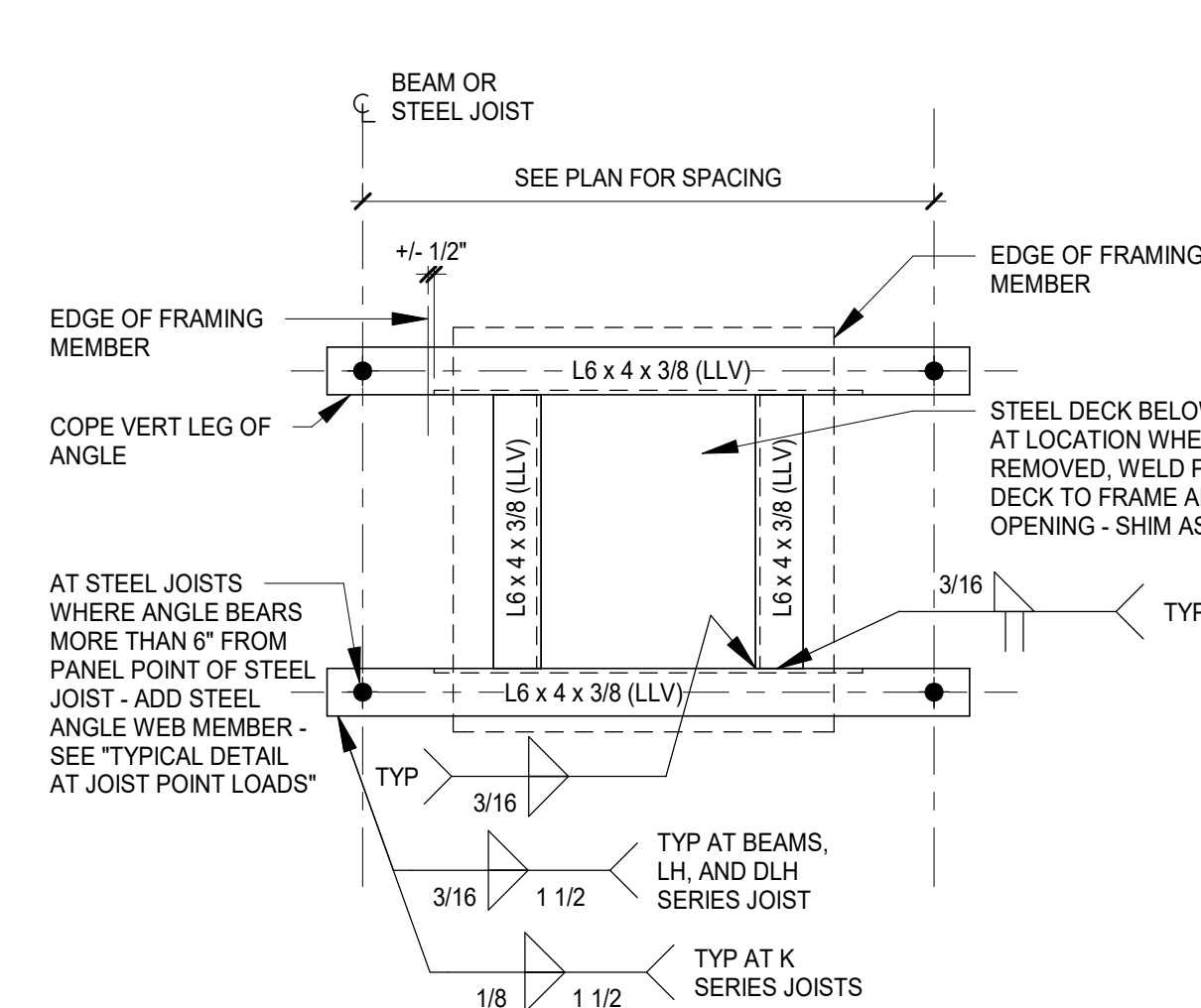
CASE 2: FOR OPENINGS THROUGH LOW FLUTES PROVIDE REINFORCING AS NOTED:



CASE 3: FOR OPENINGS THROUGH TWO OR MORE DECK FLUTES PROVIDE TYPICAL ROOF OPENING FRAME DETAIL BEARING ON PRIMARY FRAMING.

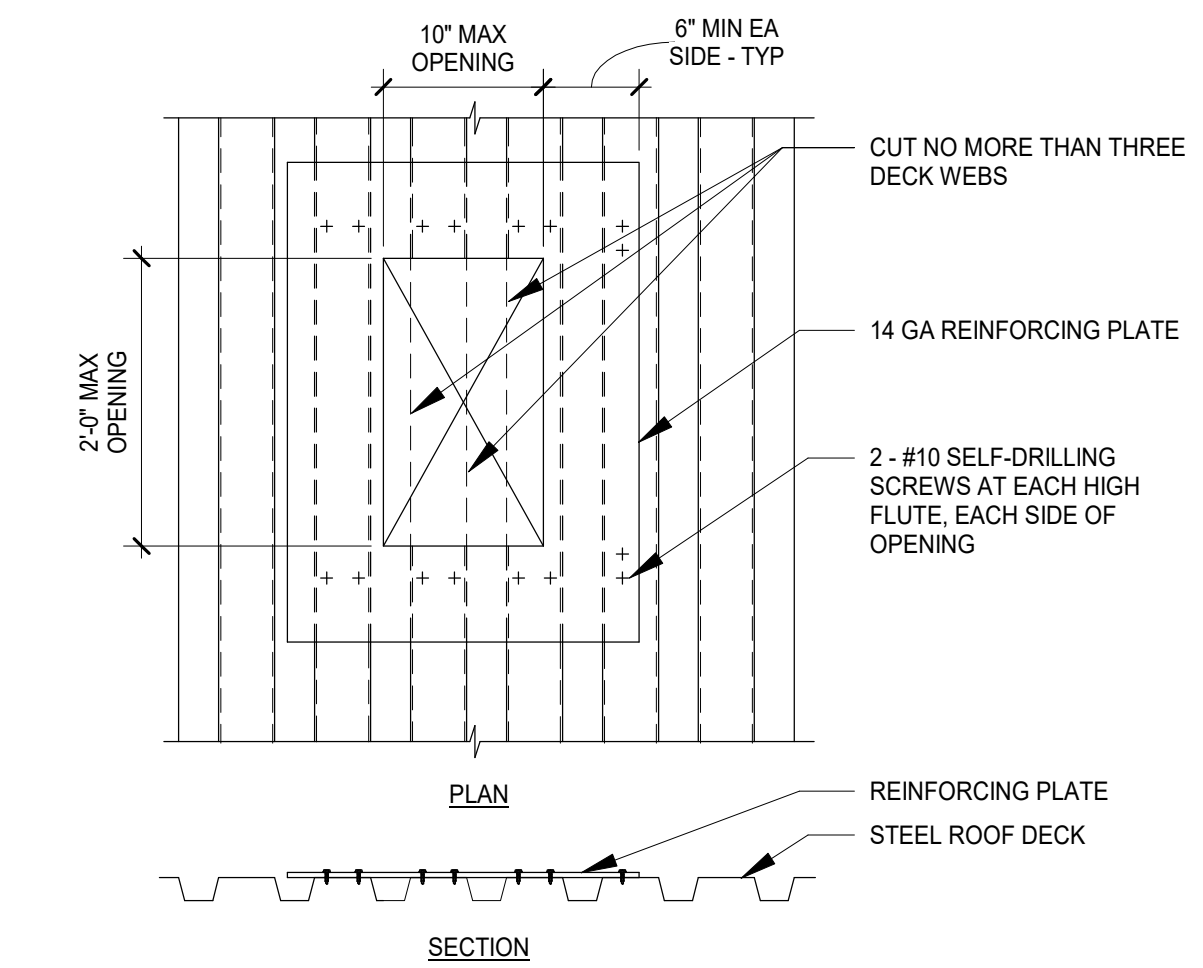
- NOTES:
- CLUSTER OF OPENINGS IS CONSIDERED TO BE ONE OPENING. PROVIDE DECK SUPPORT ANGLES OR FRAME IF OPENINGS ARE LOCATED WITH LESS THAN 2 TIMES "D" CLEAR BETWEEN OPENING EDGES. "D" IS LARGEST OF ADJACENT OPENING DIMENSIONS.

3 TYPICAL ROOF DECK OPENING DETAIL



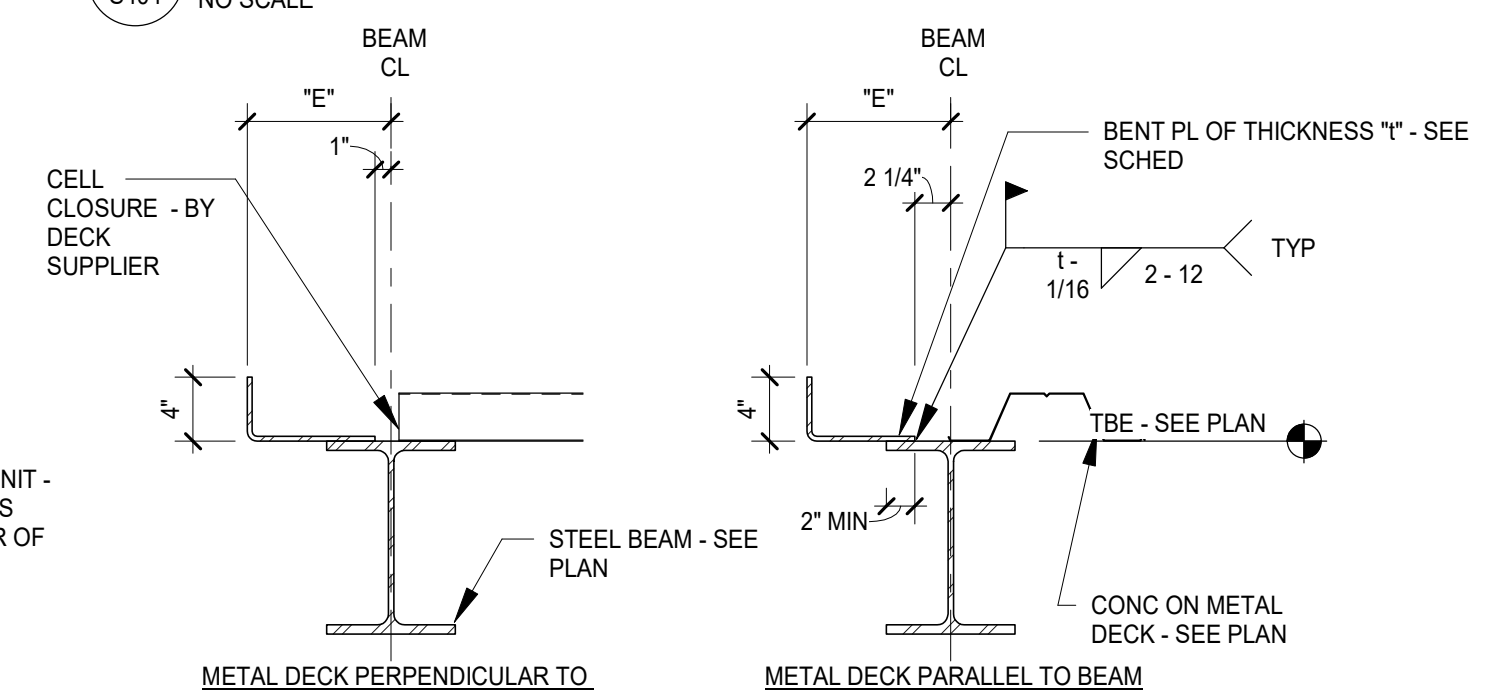
- NOTES:
- ANGLES SHALL BE LOCATED AT CENTERLINE OF SUPPORT POINTS OF MECHANICAL UNIT.
 - QUICKFRAMES ARE A STRUCTURALLY ACCEPTABLE SUBSTITUTE AT CONTRACTORS OPTION.

7 TYPICAL DECK SUPPORT AT MECHANICAL UNIT



- NOTES:
- FOR OPENINGS THROUGH TWO OR MORE DECK FLUTES, PROVIDE TYPICAL ROOF OPENING FRAME DETAIL BEARING ON PRIMARY FRAMING.
 - AT GALVANIZED BEARING, PROVIDE GALVANIZED REINFORCING PLATE.

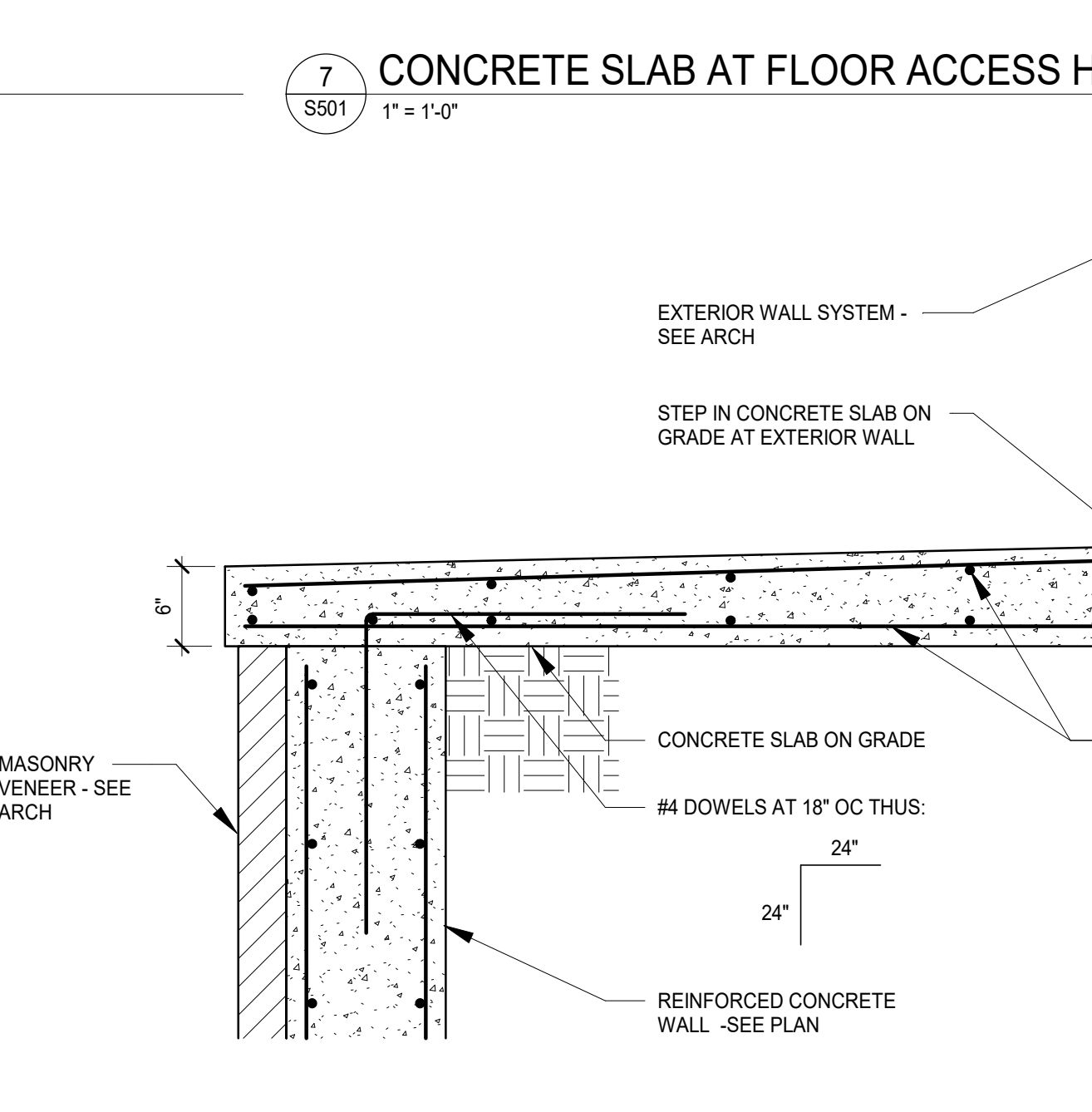
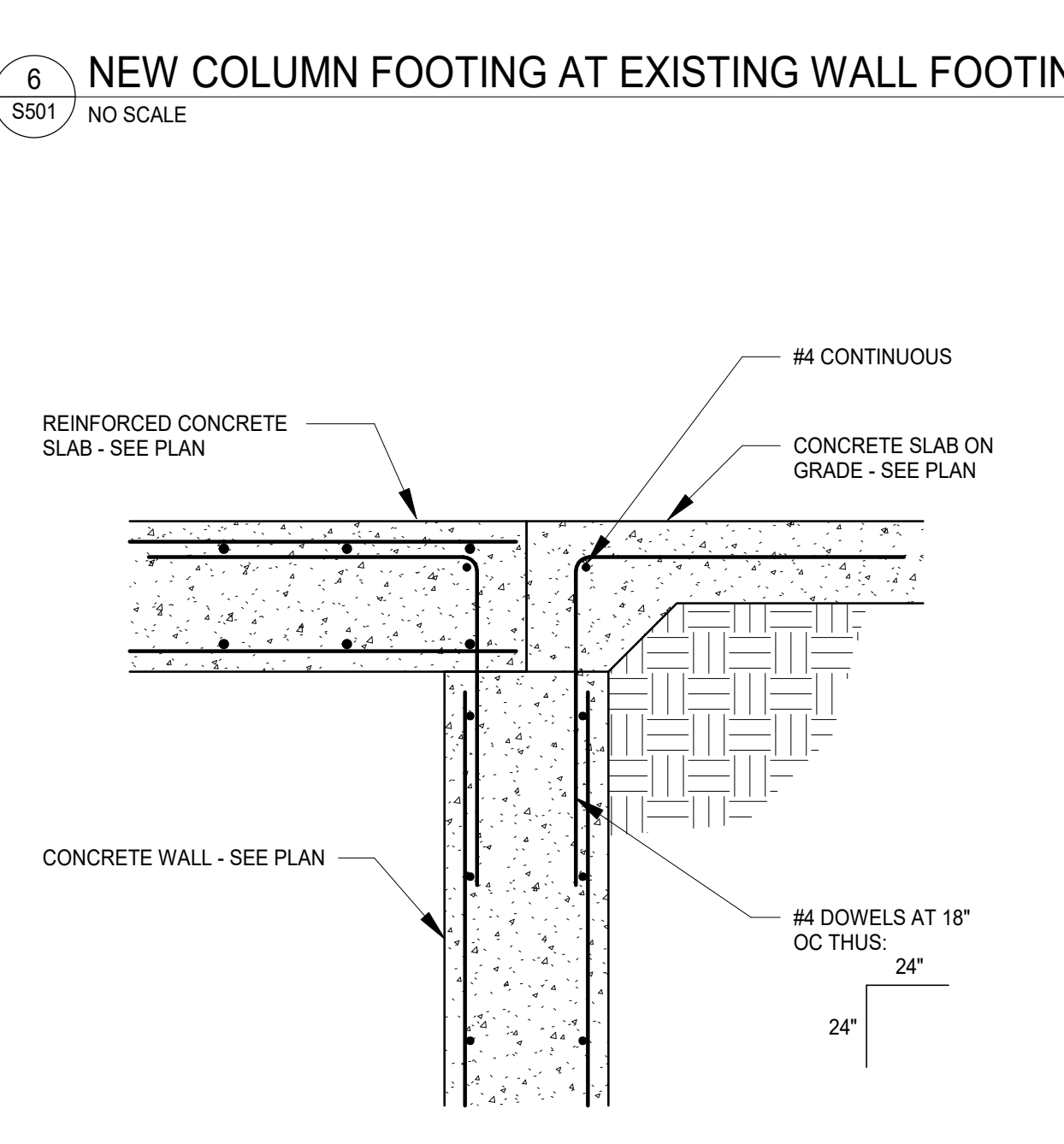
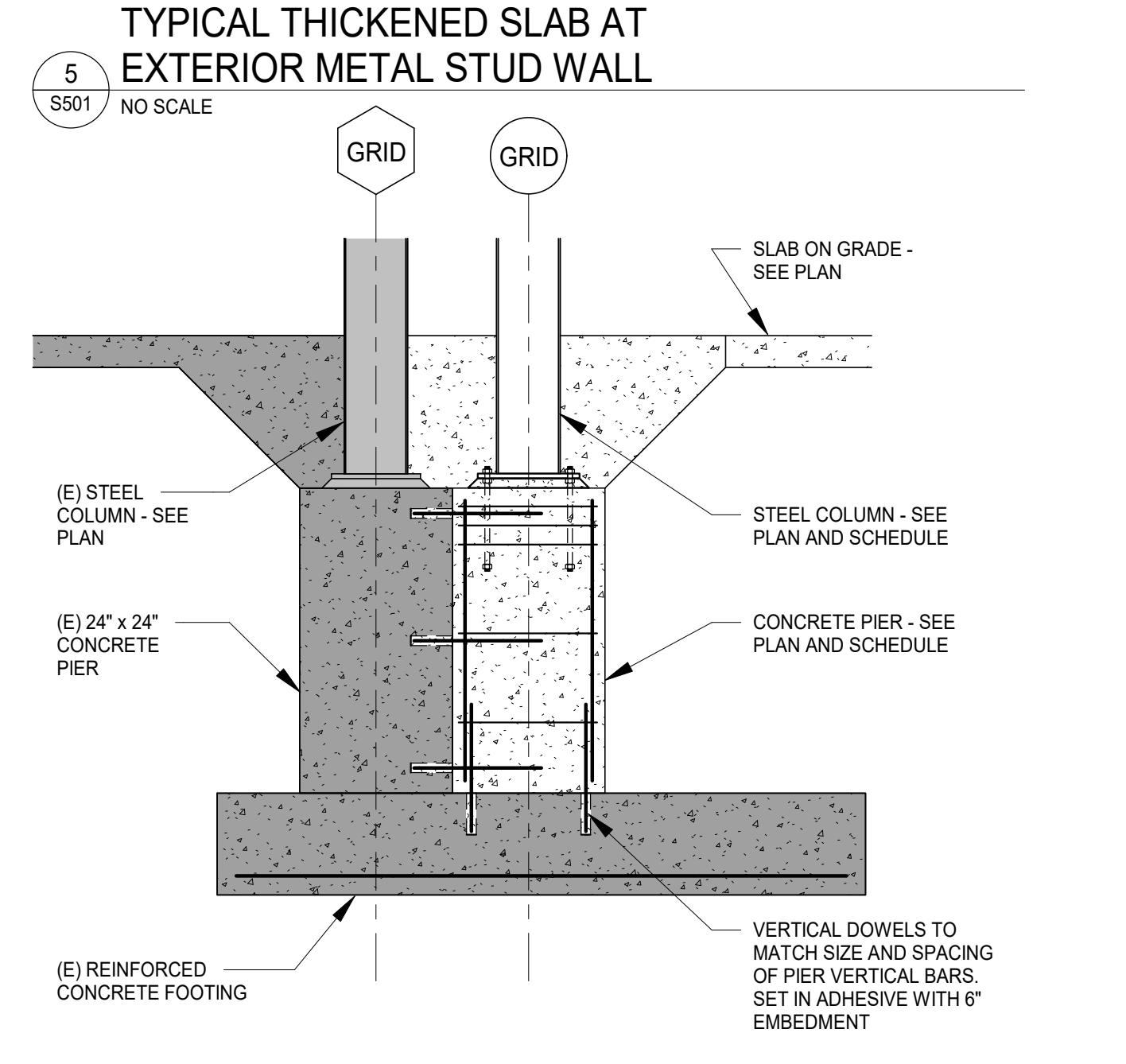
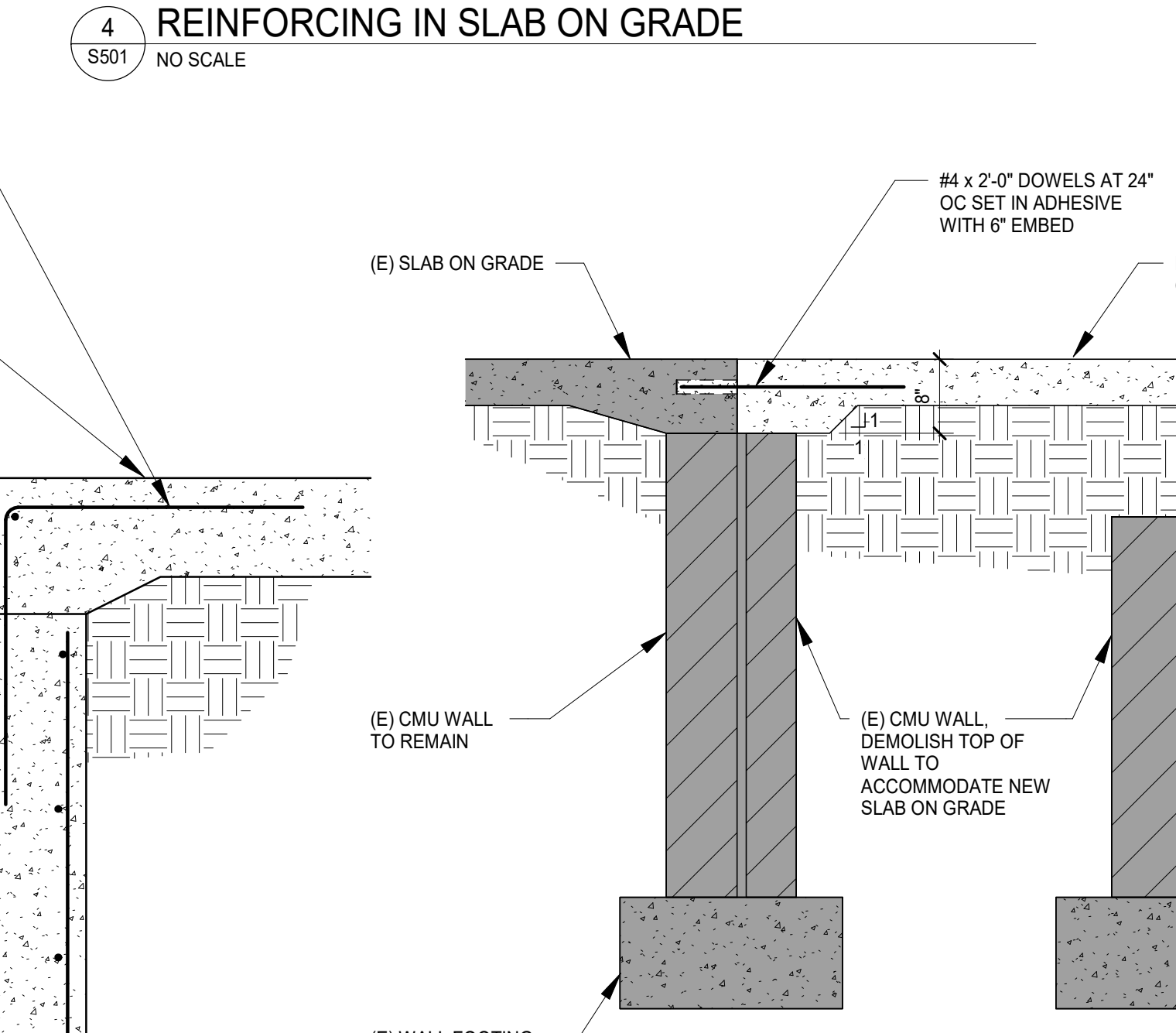
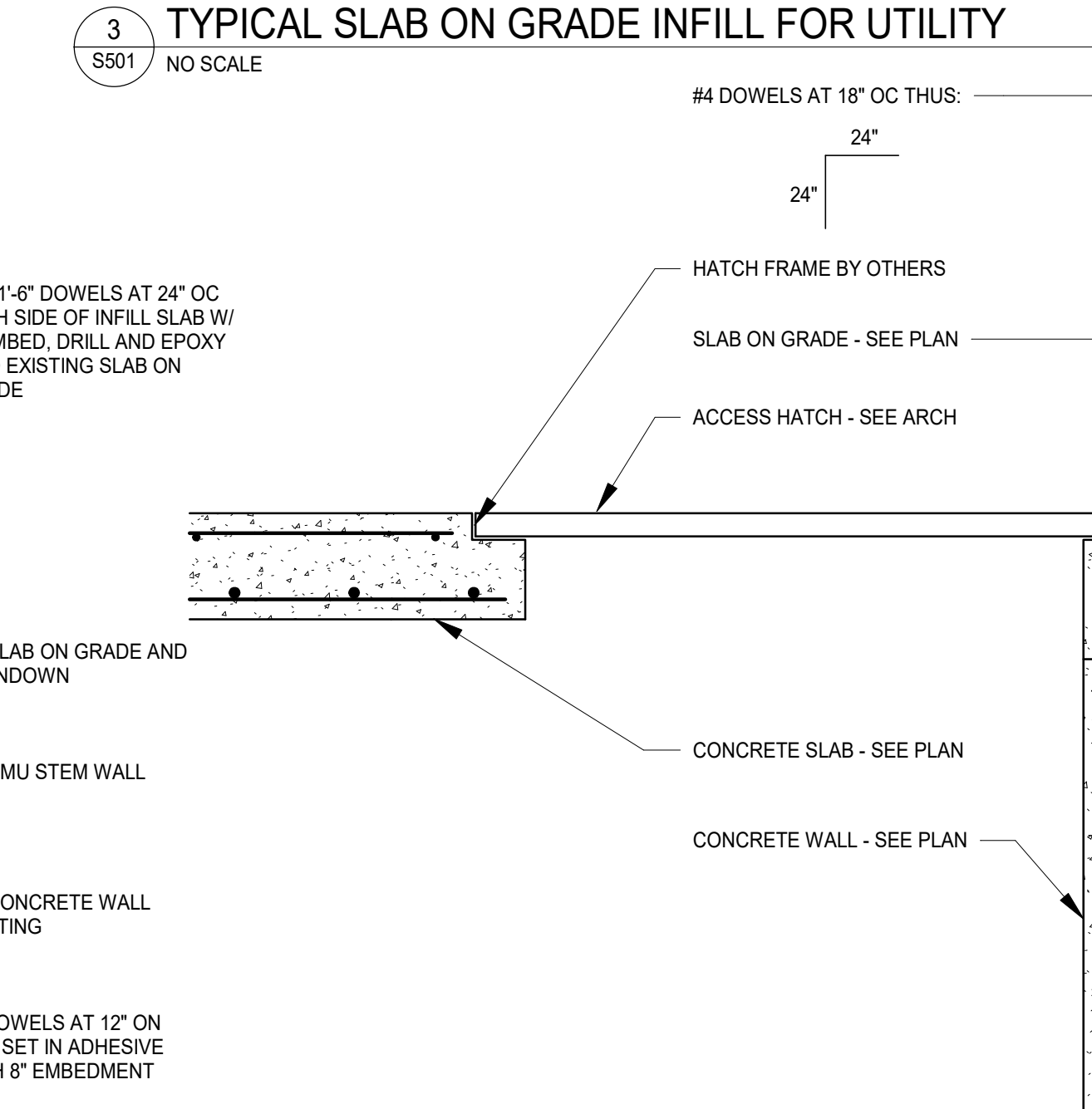
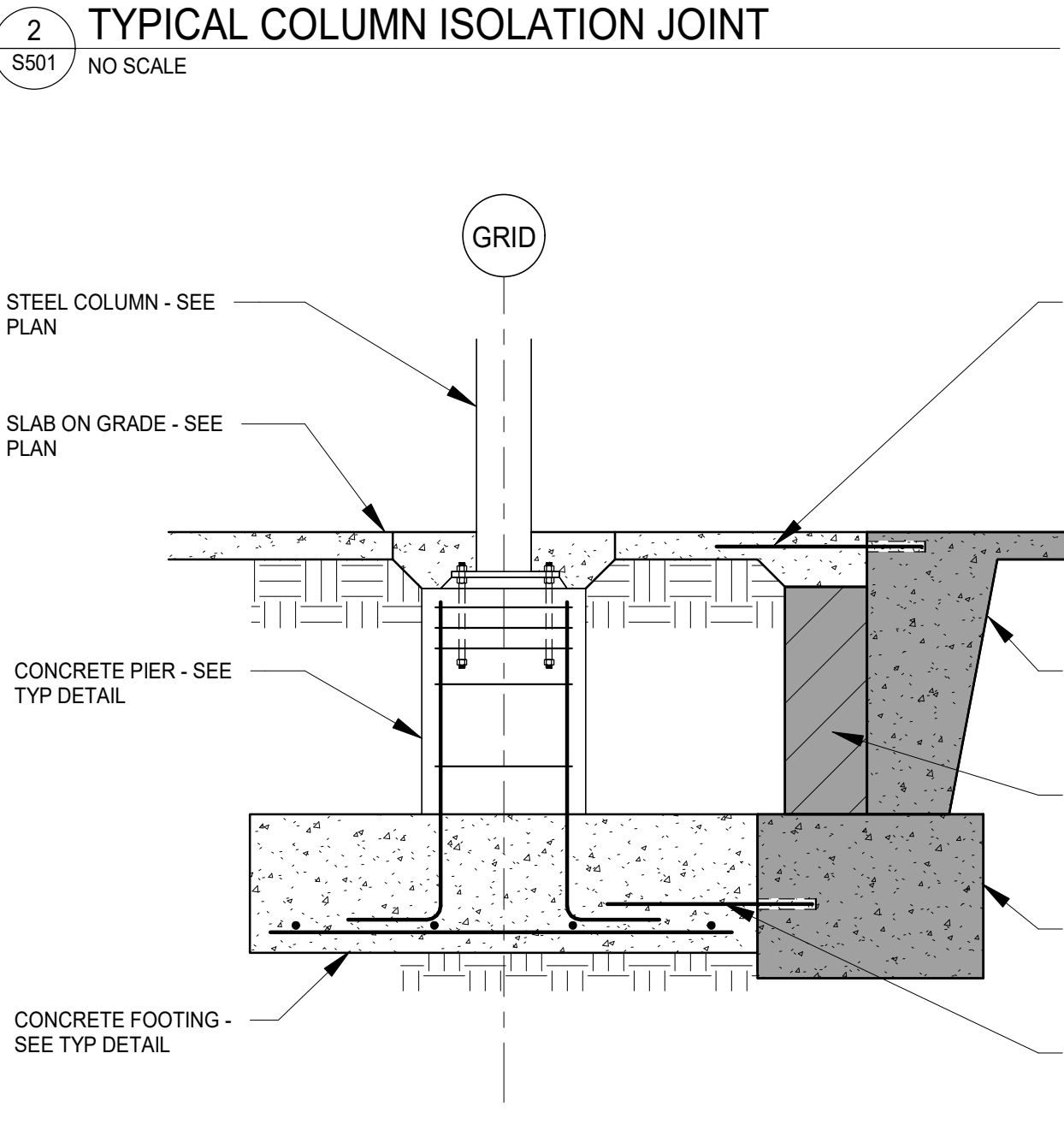
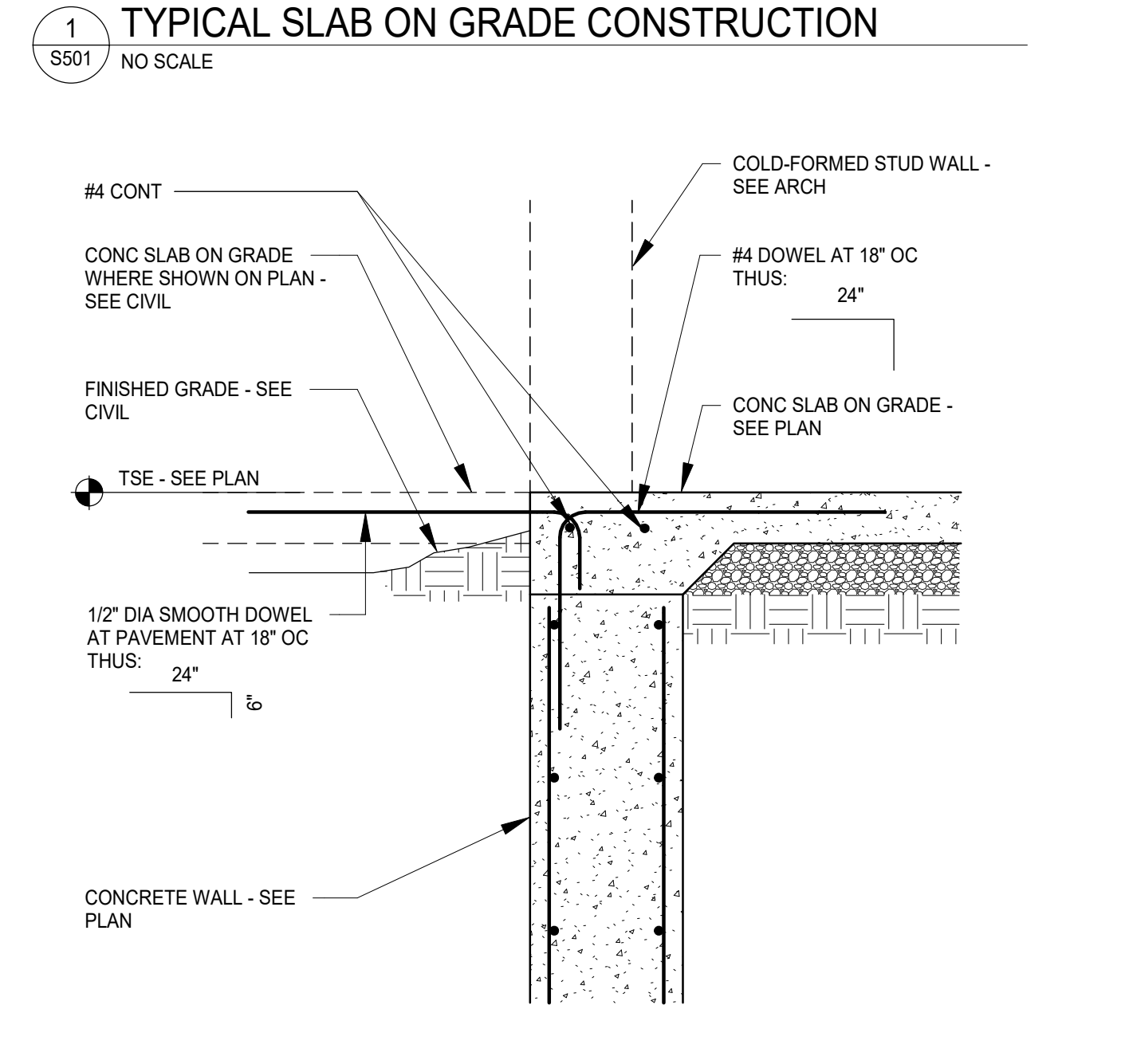
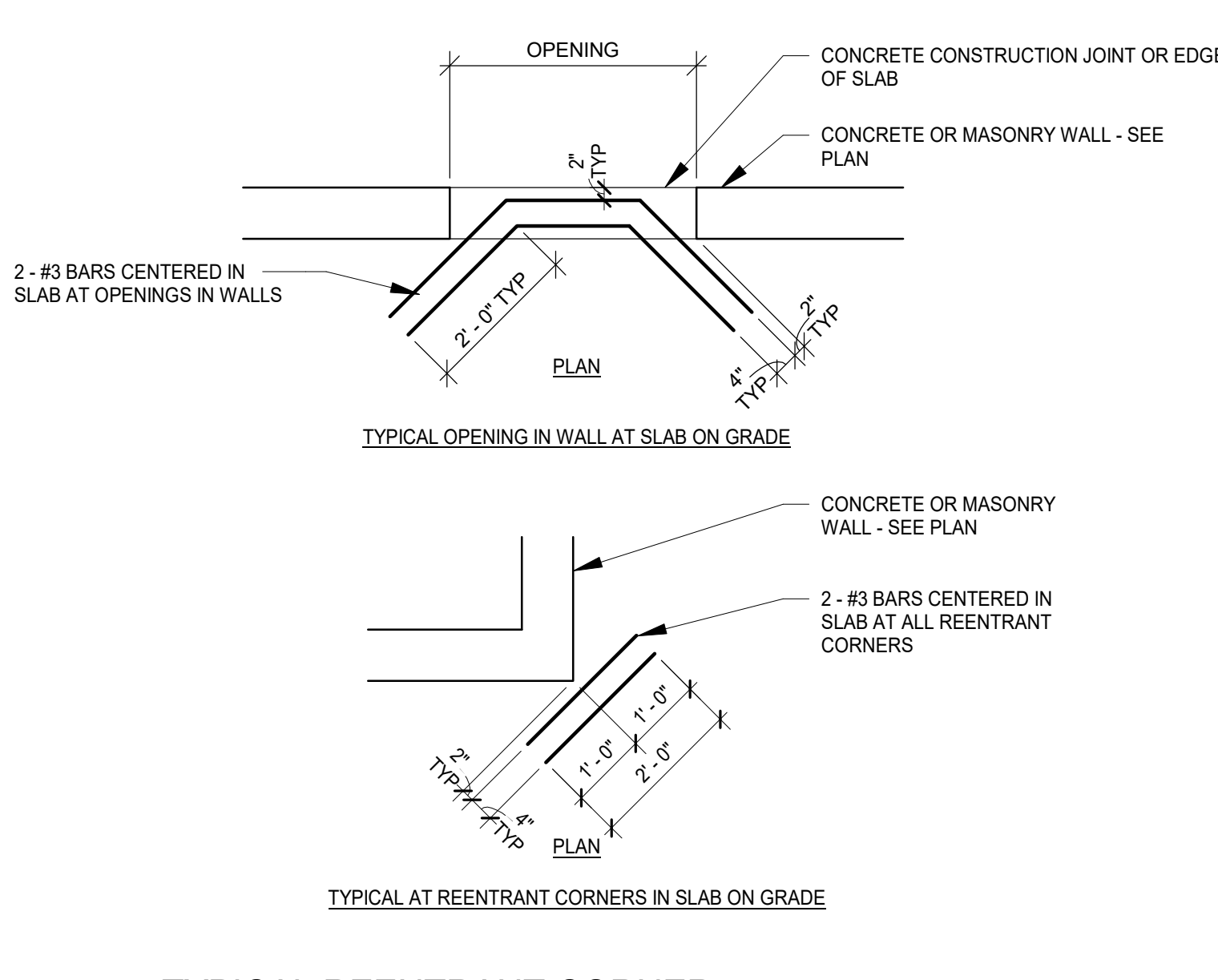
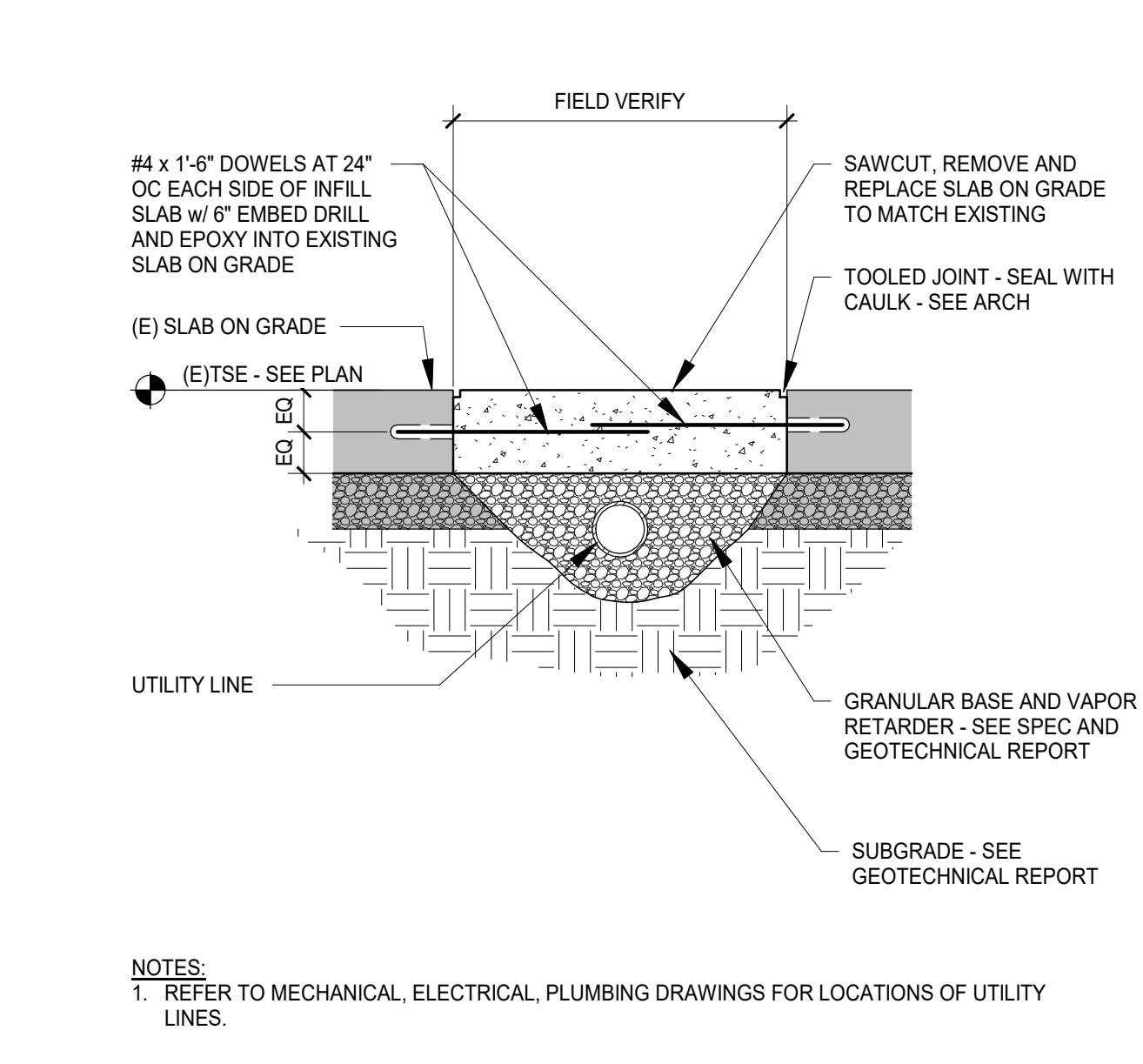
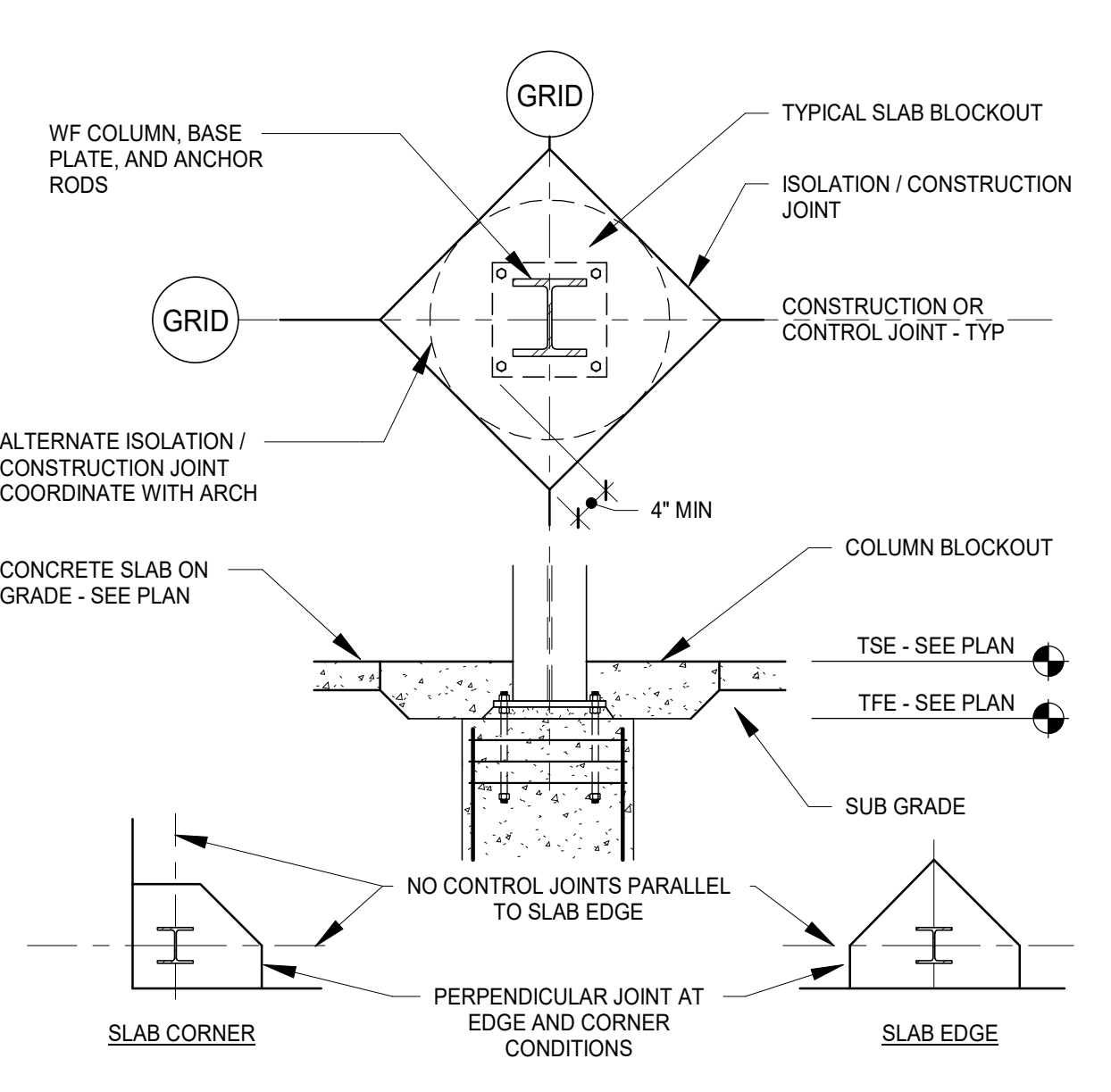
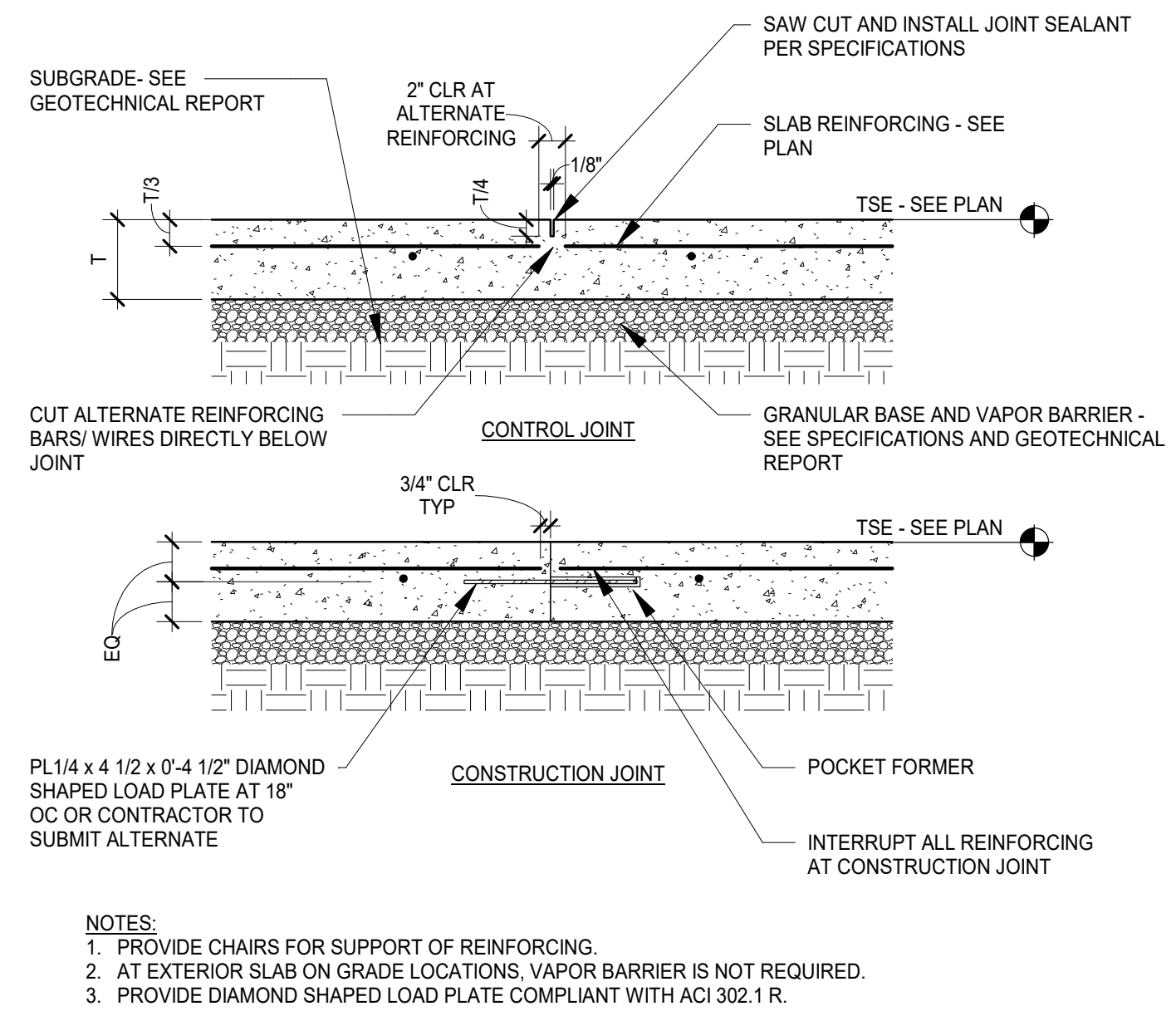
4 TYPICAL 1 1/2" ROOF DECK OPENING DETAIL (OPENING ≤ 2'-0" x 0'-10")



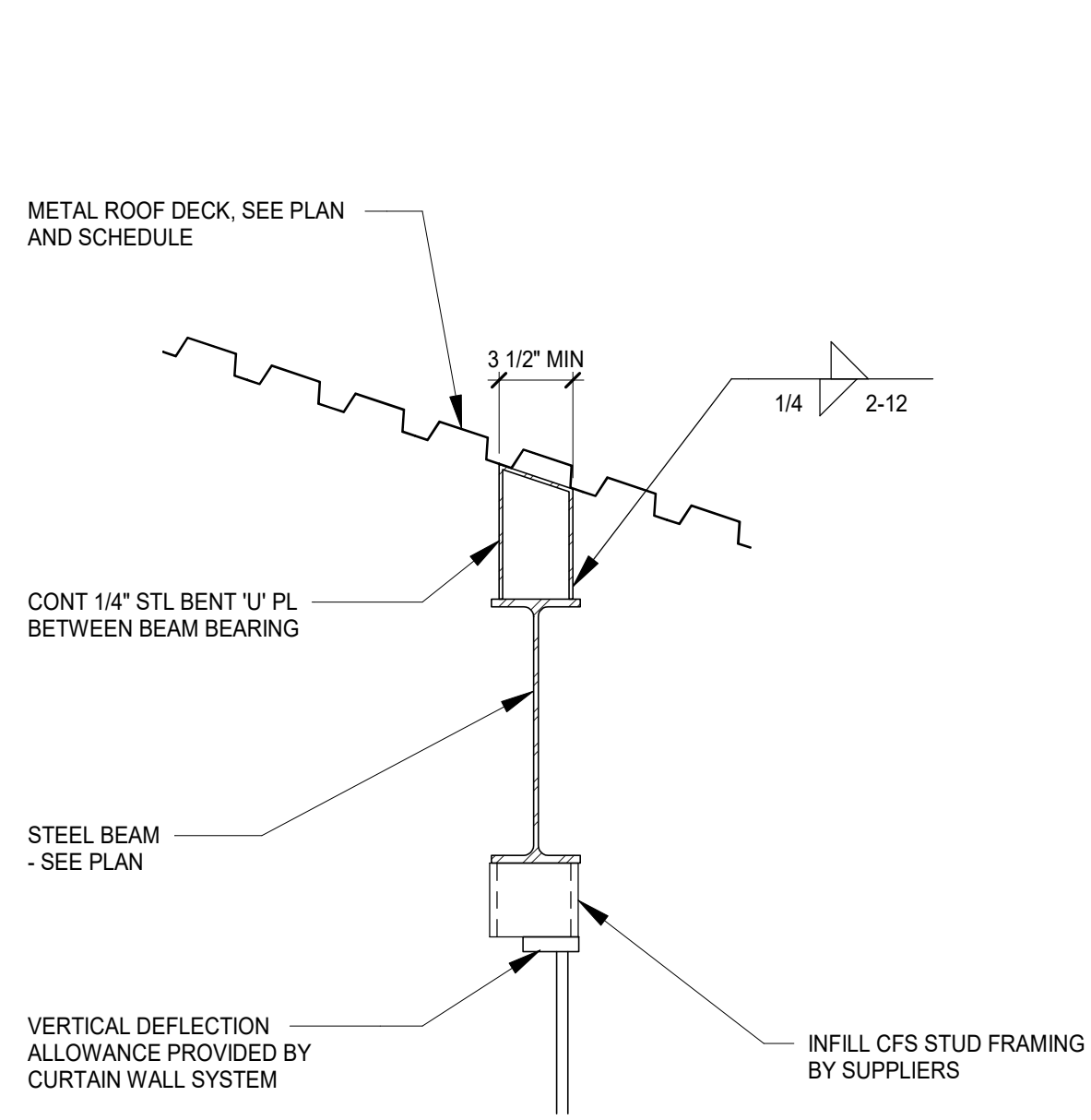
| MAX "E" | BENT PL "t" | COMMENTS |
|------------|-------------|----------|
| 0'-6" | 1/4" | |
| >6" - 12" | 5/16" | |
| >12" - 18" | 3/8" | |

- NOTES:
- BENT PLATE SIZES SHOWN ON PLAN OR IN DETAILS SUPERCEDE THIS SCHEDULE
 - THIS SCHEDULE APPLIES TO ALL EXTERIOR AND INTERIOR SLAB EDGES AND AT SLAB OPENINGS FOR MECHANICAL GREATER THAN 24" IN ANY DIRECTION. BENT PLATE fy = 50 KSI.
 - WHERE "E" EXCEEDS TABULATED LIMITS - SEE DETAIL

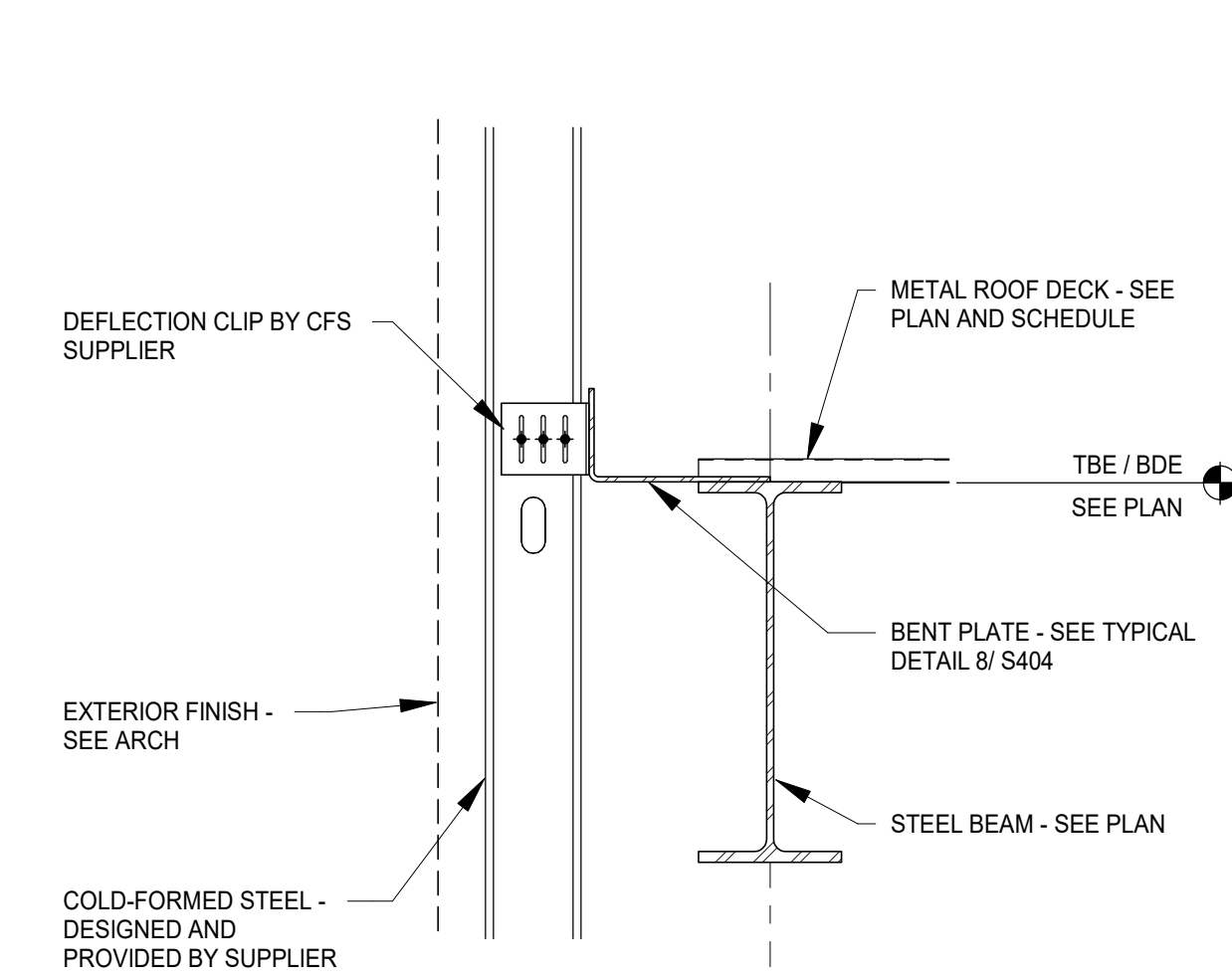
8 TYPICAL METAL DECK SLAB EDGE SCHEDULE AND DETAILS



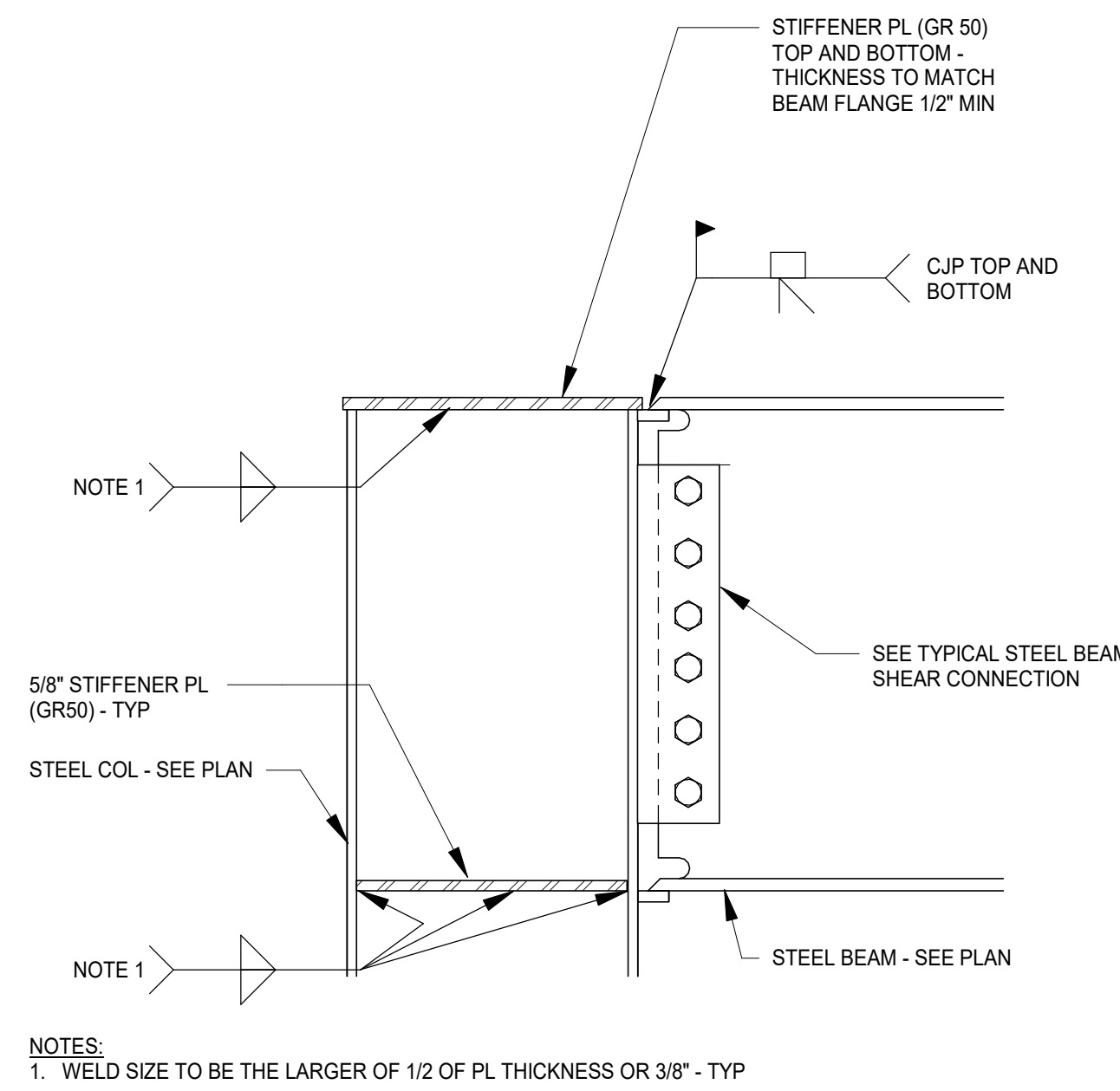
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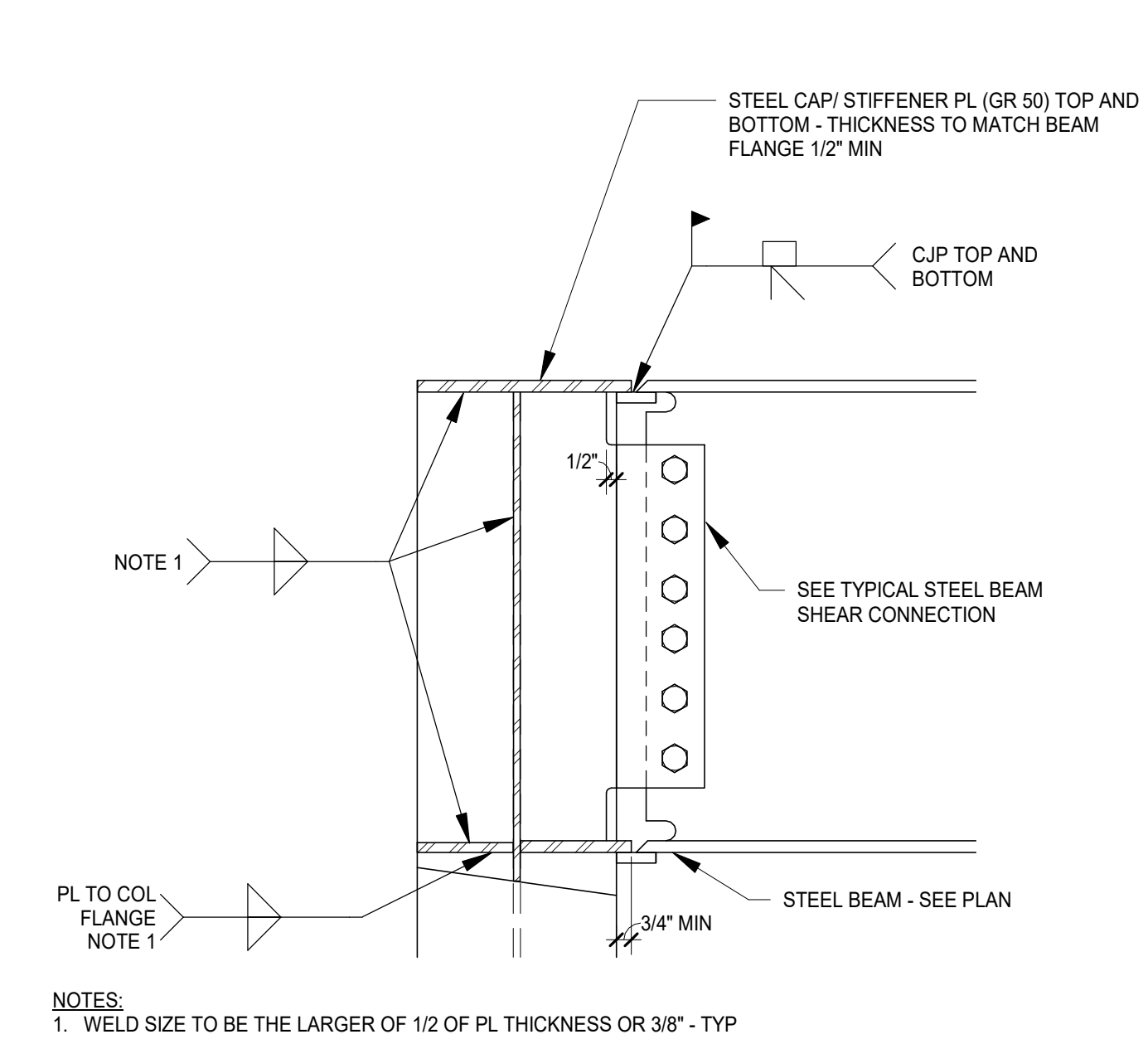
1 STEEL DECK BEARING AT STEEL BEAM
S701 1" = 1'-0"



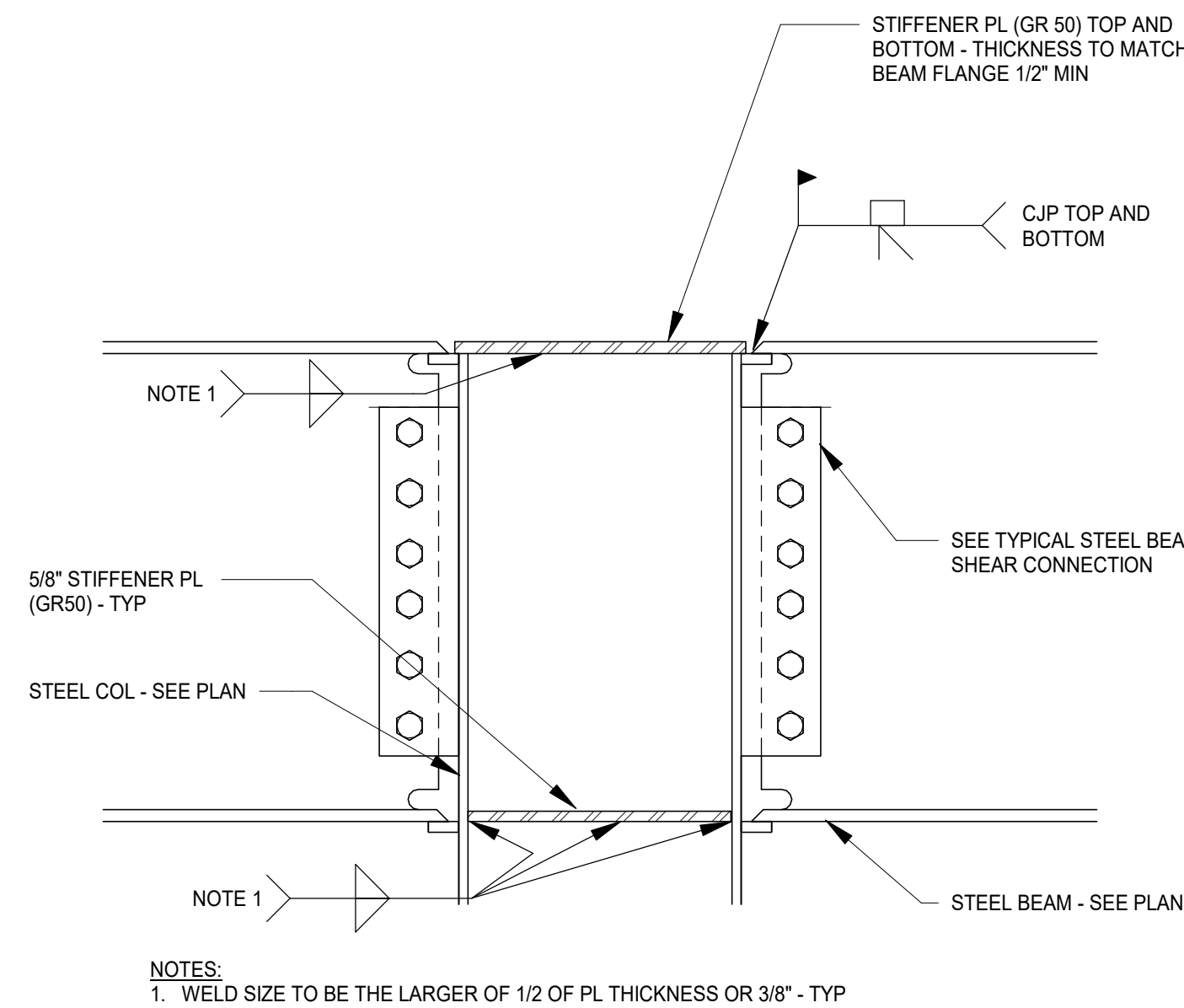
2 EXTERIOR WALL DETAIL
S701 1" = 1'-0"



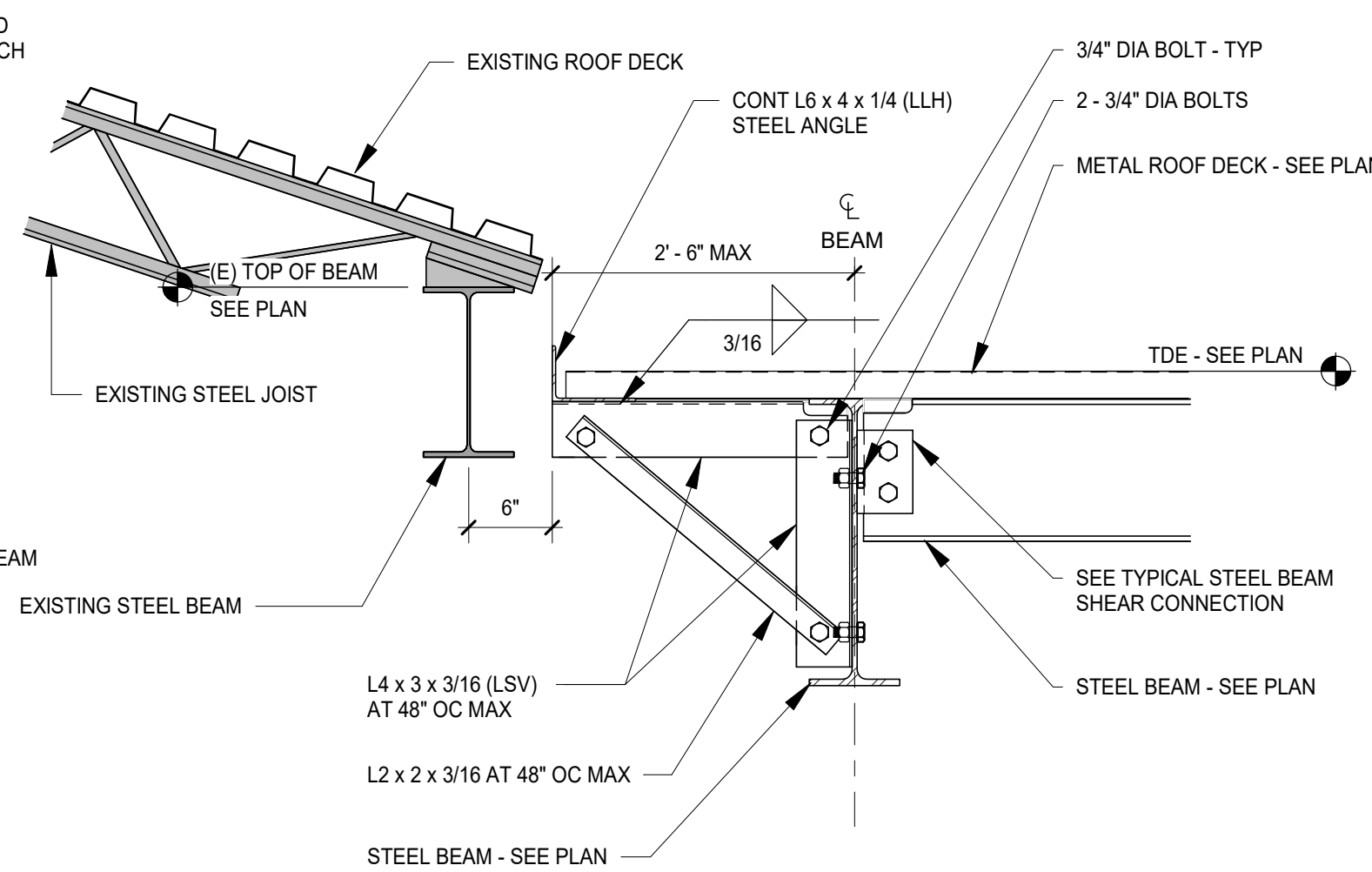
3 MOMENT CONNECTION AT WF COLUMN
S701 1 1/2" = 1'-0"



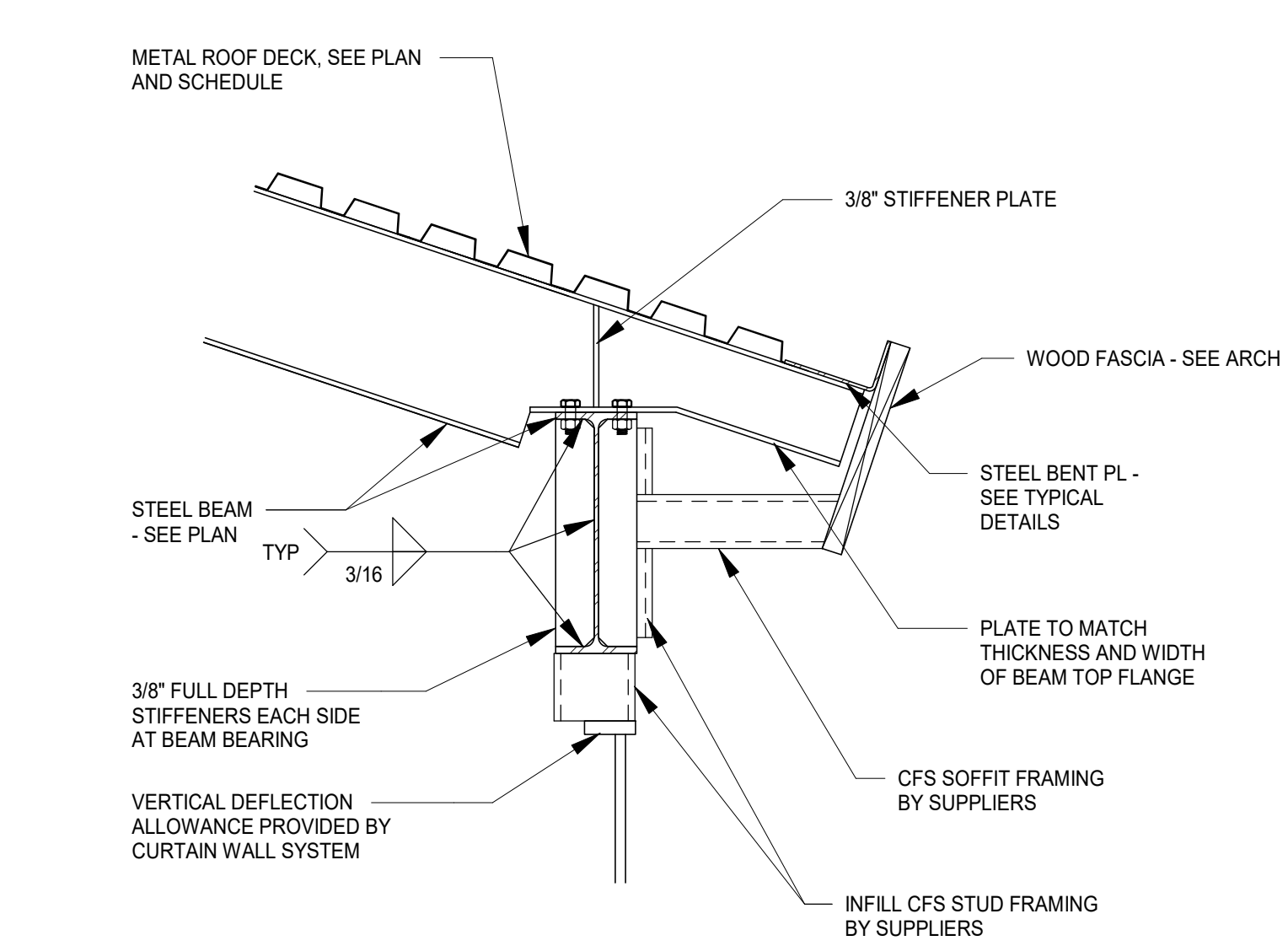
4 MOMENT CONNECTION AT WF COLUMN WEB
S701 1 1/2" = 1'-0"



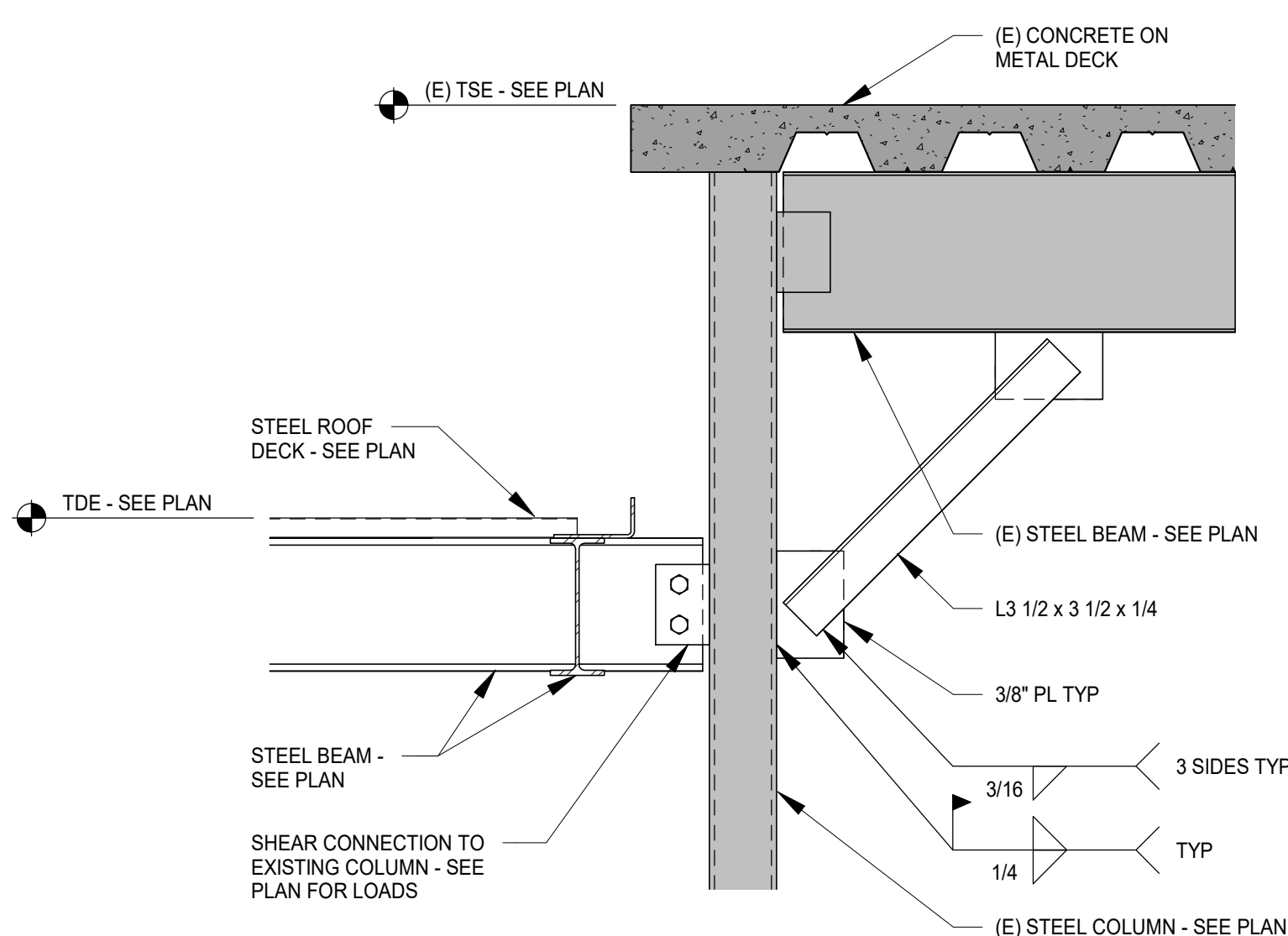
5 MOMENT CONNECTION AT WF COLUMN
S701 1 1/2" = 1'-0"



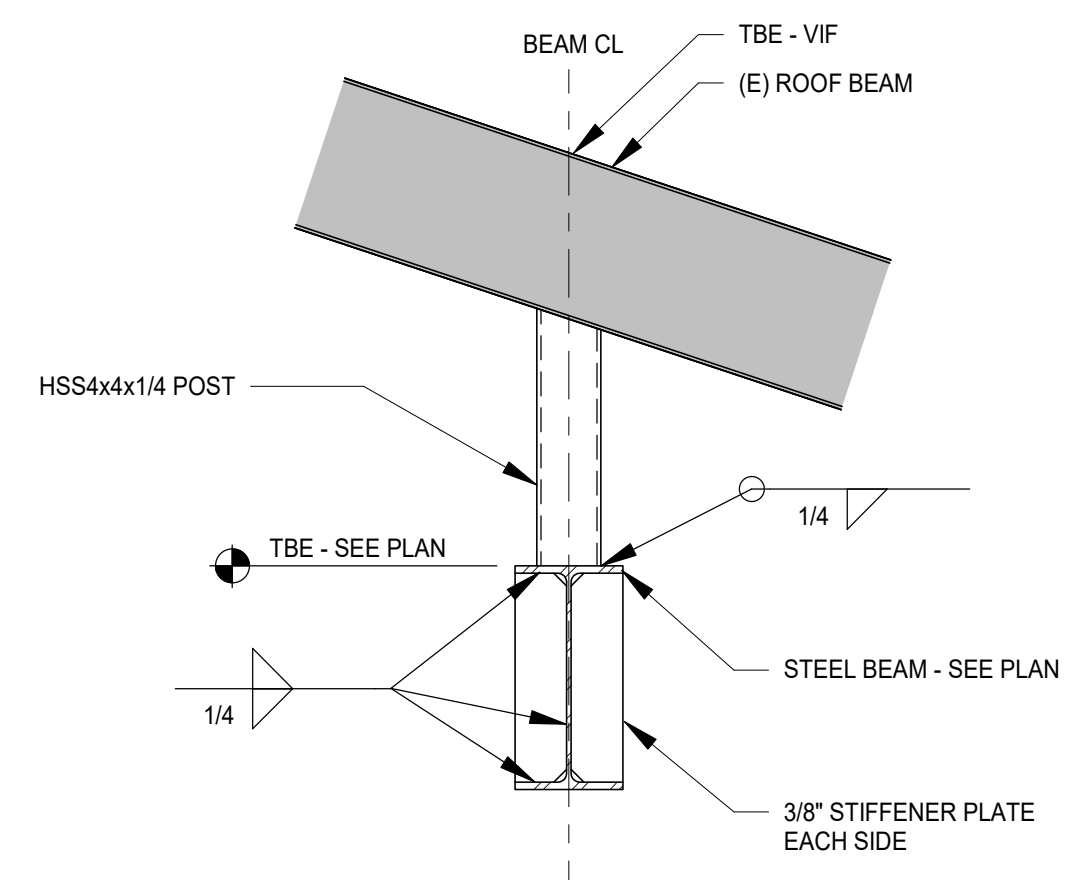
6 STEEL BRACE AT STEEL ROOF DECK
S701 1" = 1'-0"



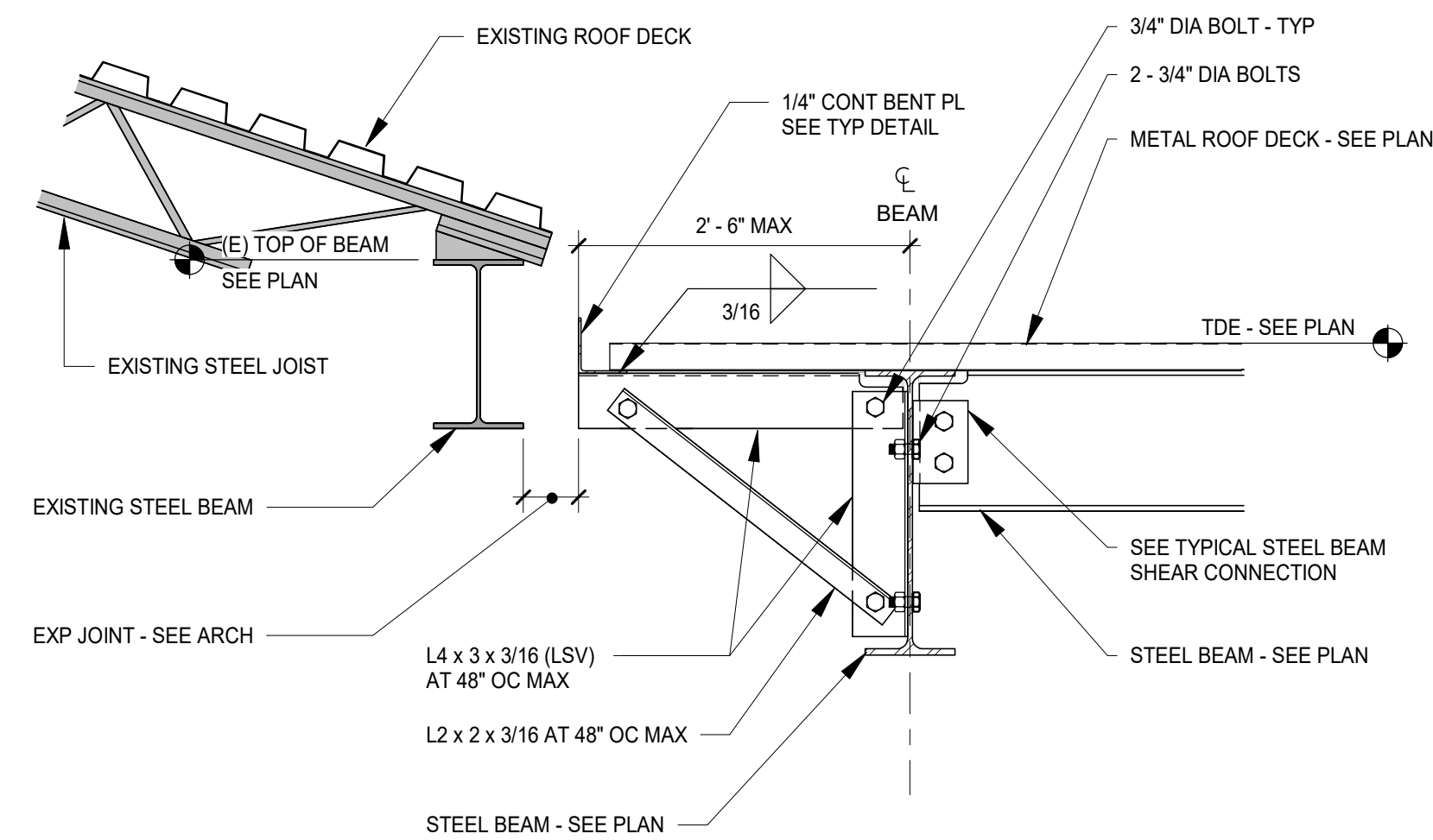
7 STEEL BEAM BEARING OVER STEEL BEAM
S701 1" = 1'-0"



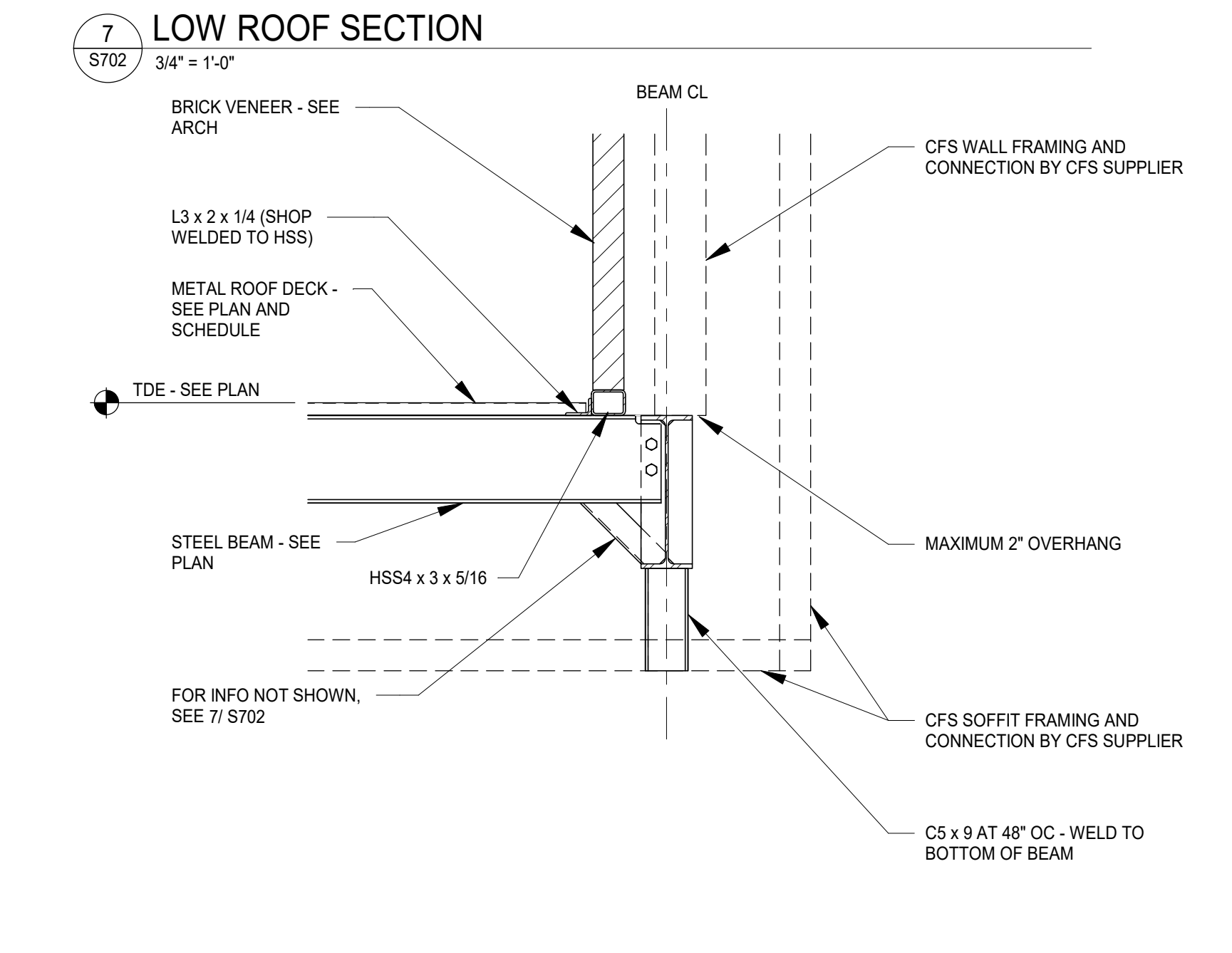
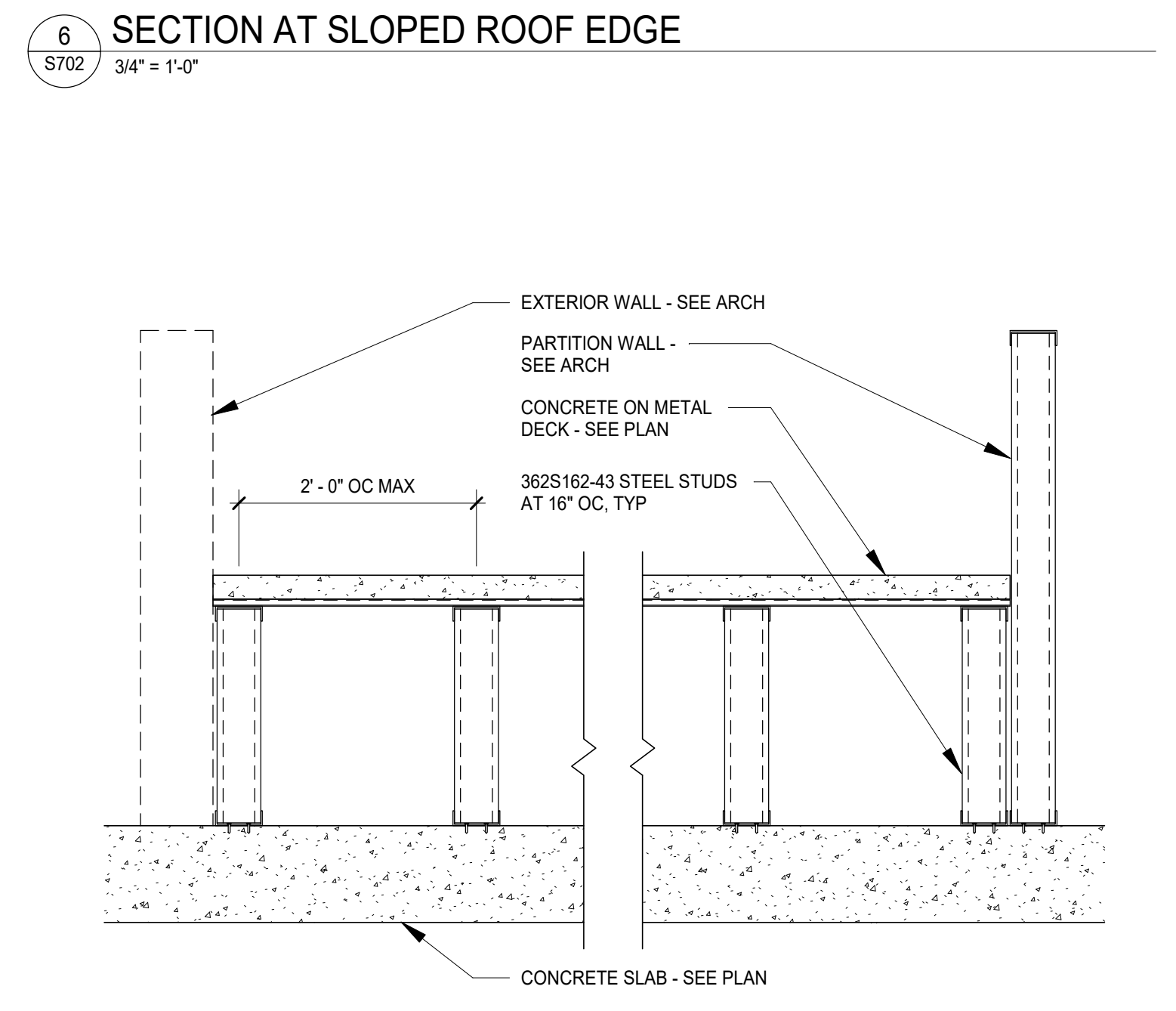
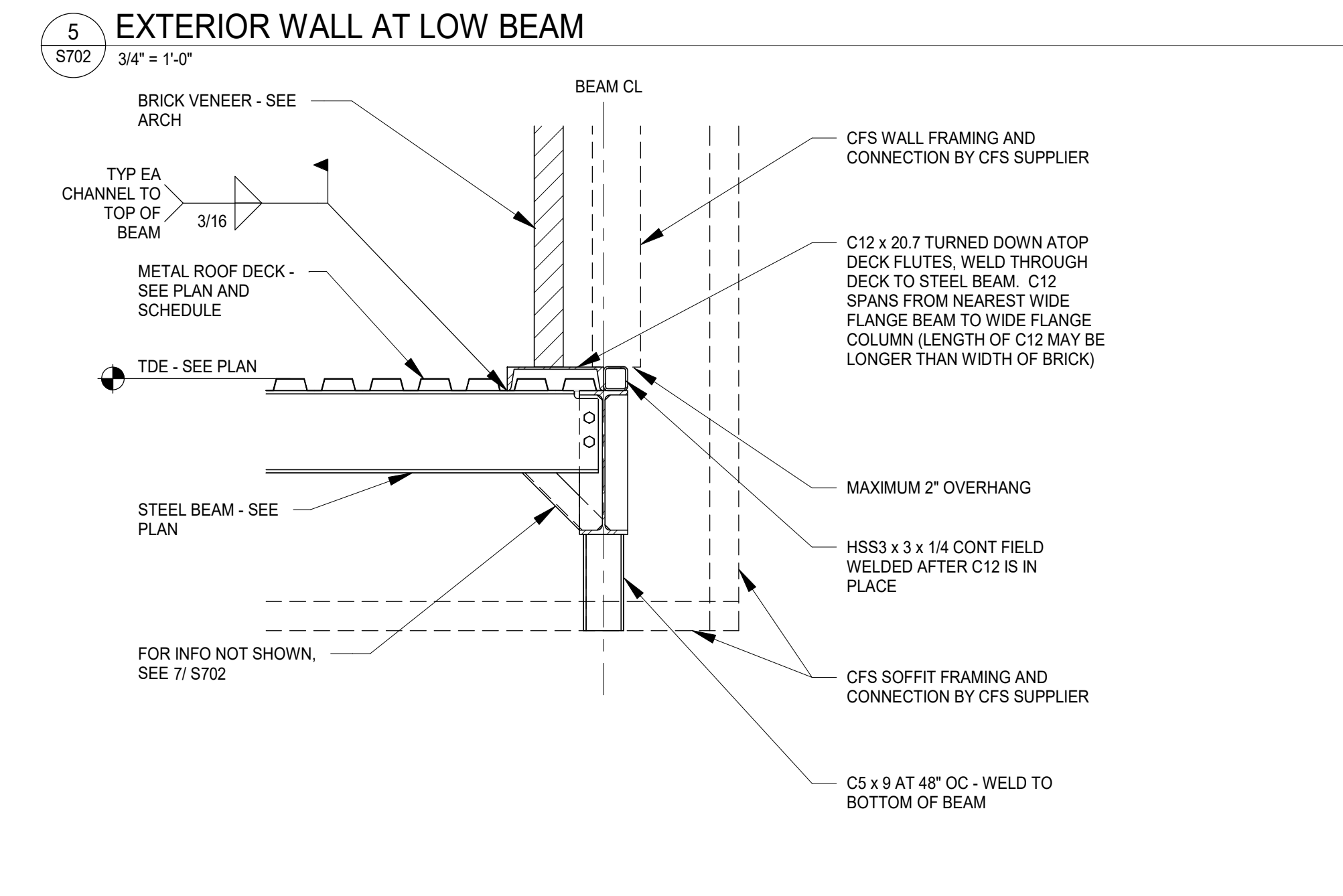
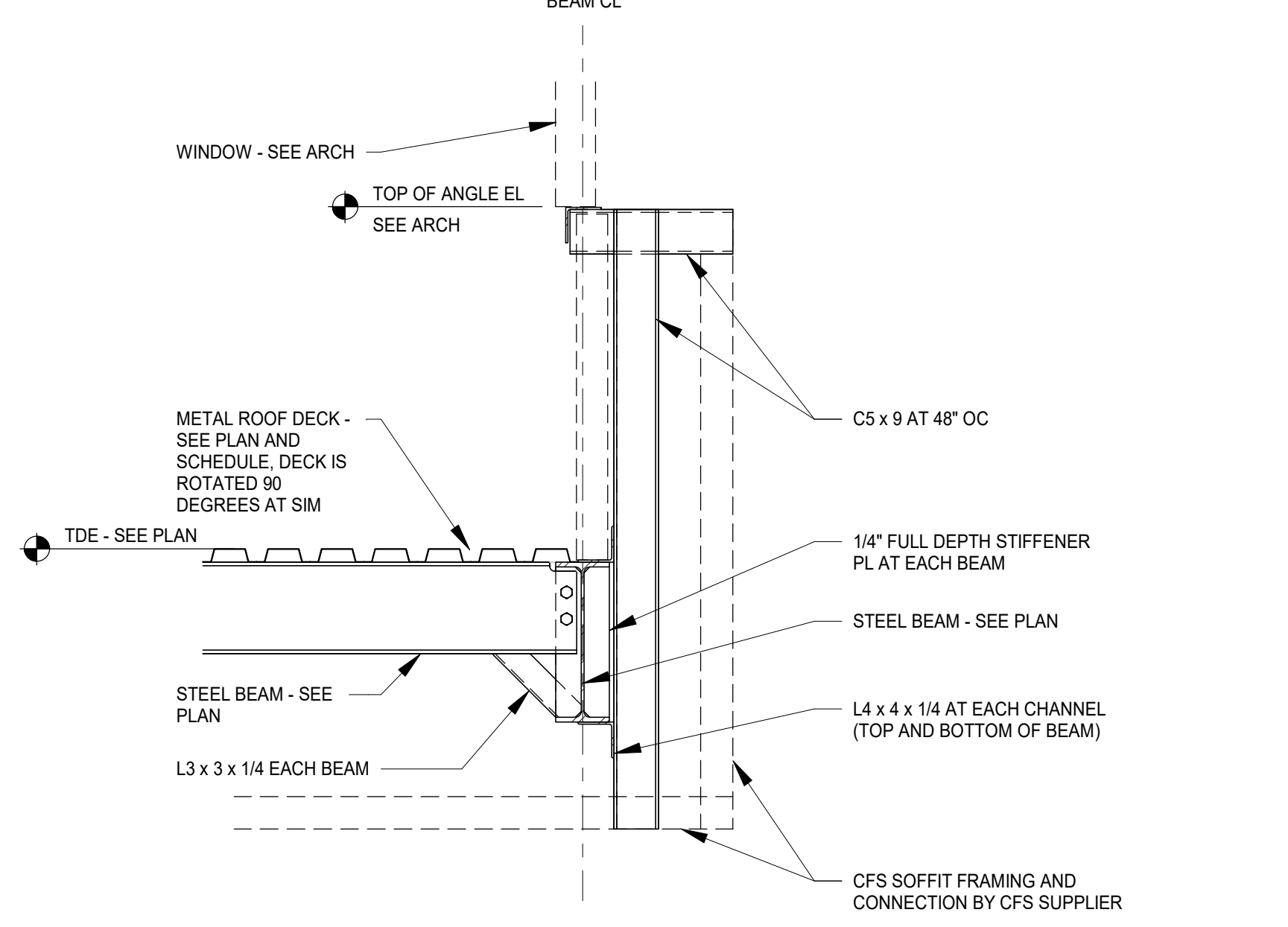
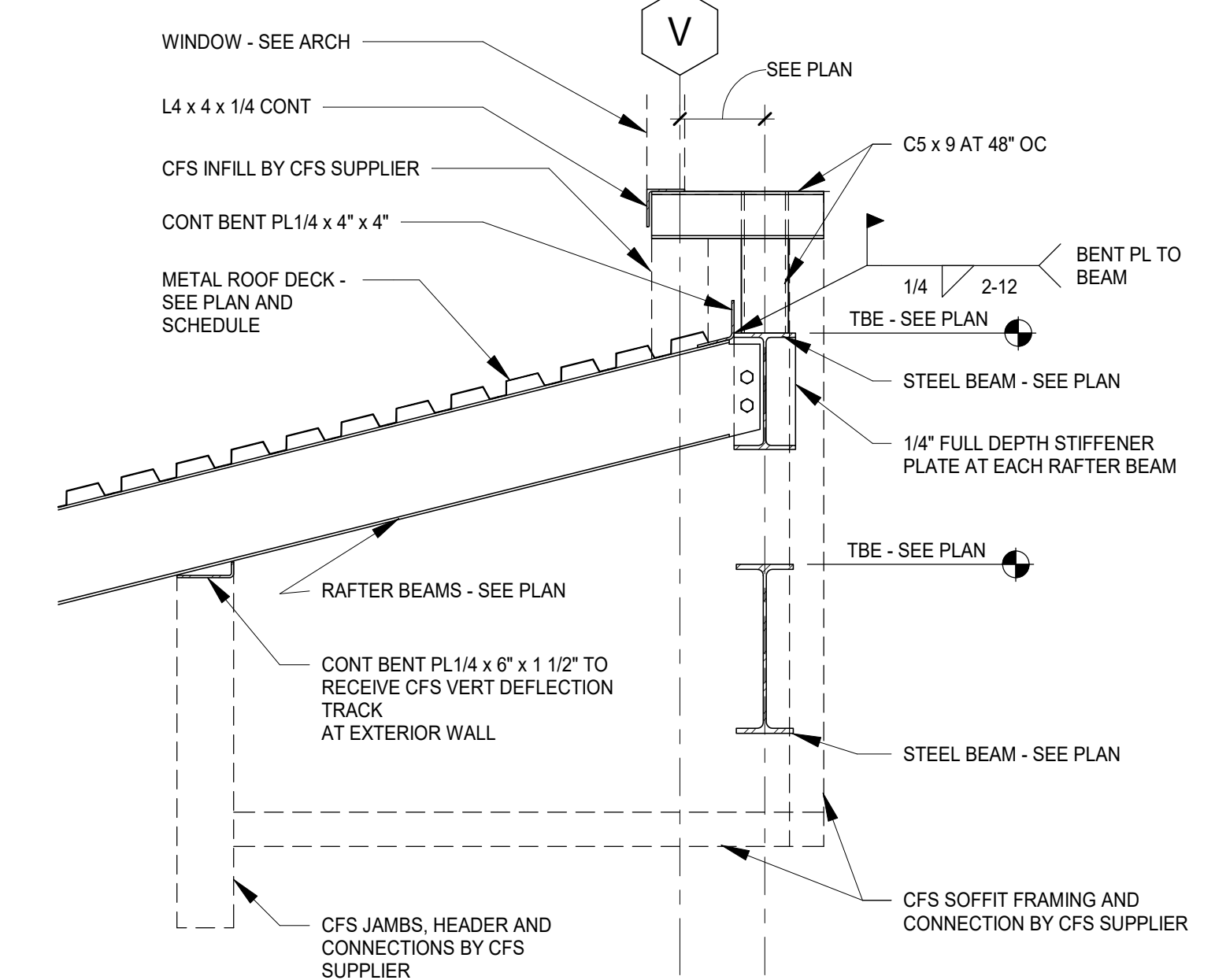
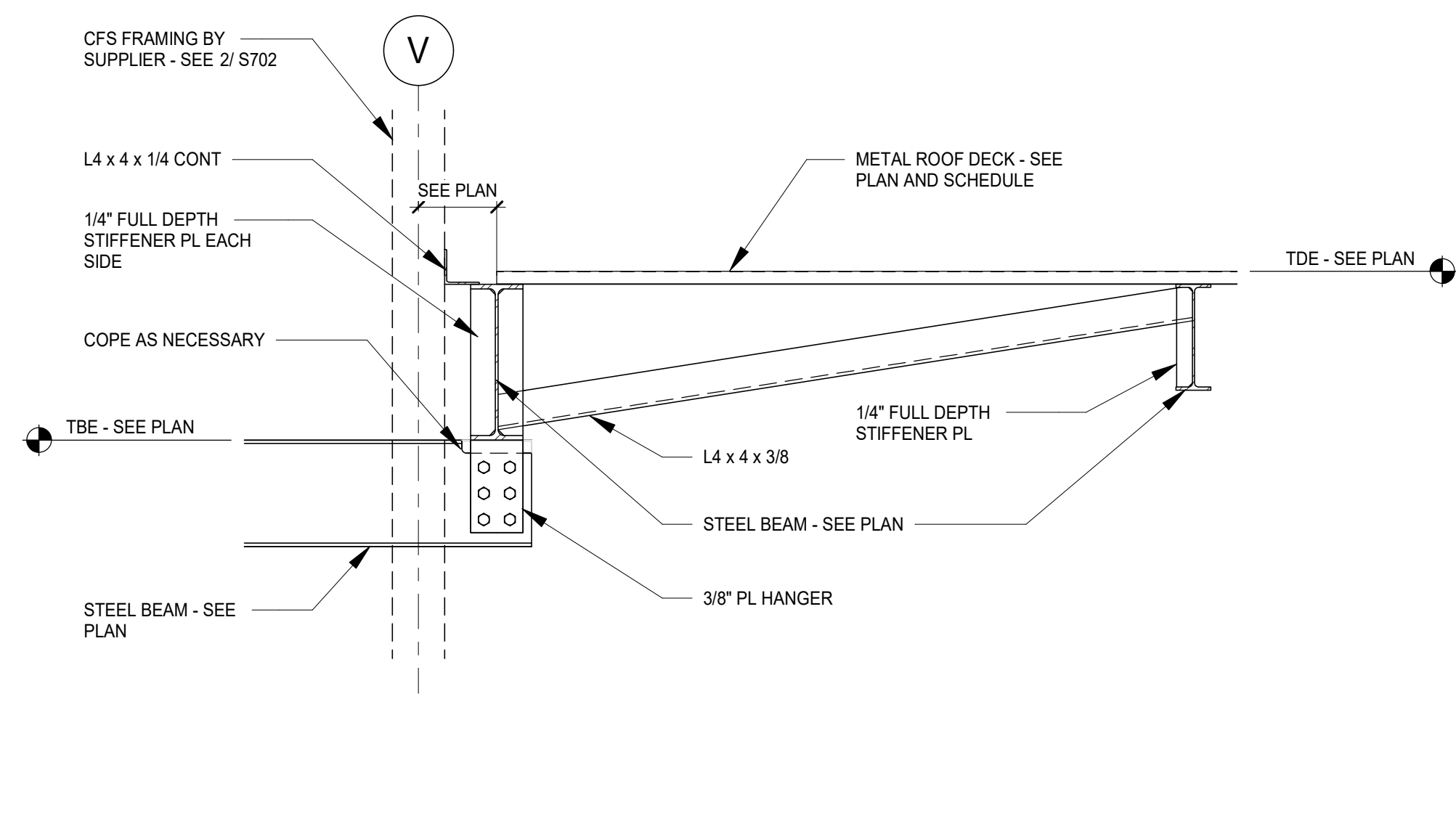
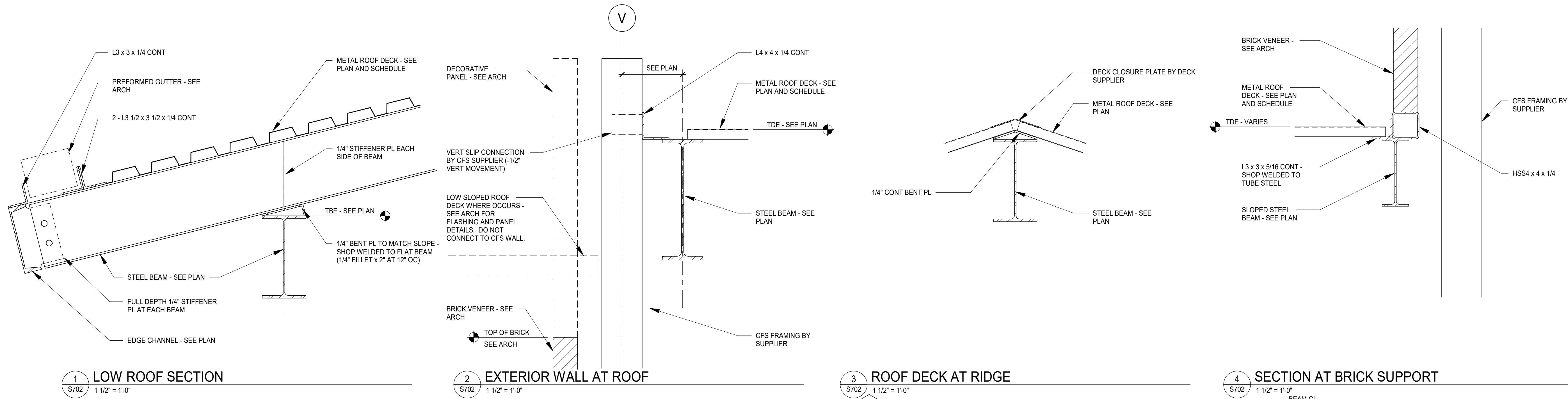
8 BRACE AT EXISTING COLUMN
S701 1" = 1'-0"



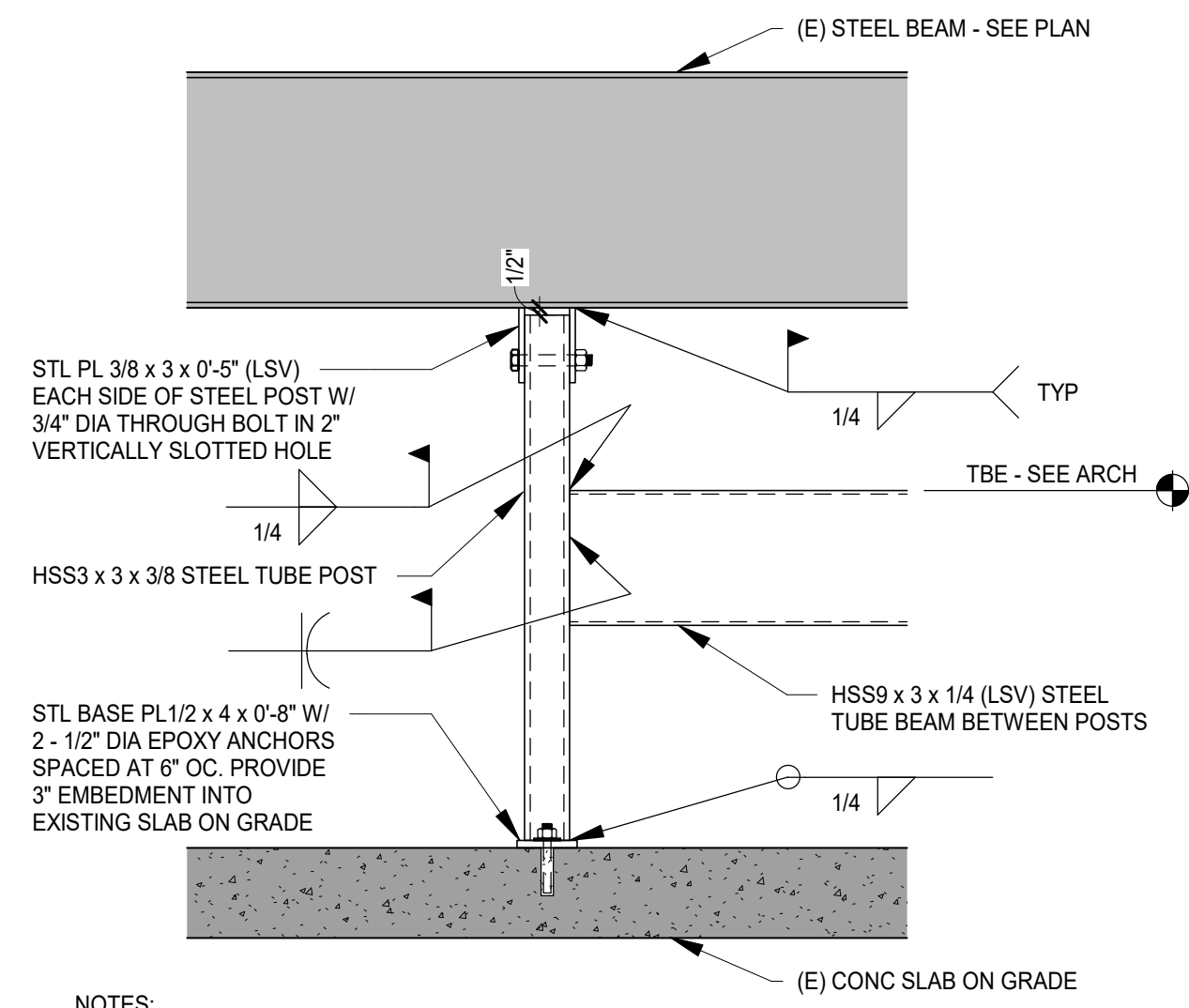
9 STEEL POST AT EXISTING ROOF BEAM
S701 1" = 1'-0"



10 STEEL BRACE AT ROOF DECK AT EXPANSION JOINT
S701 1" = 1'-0"



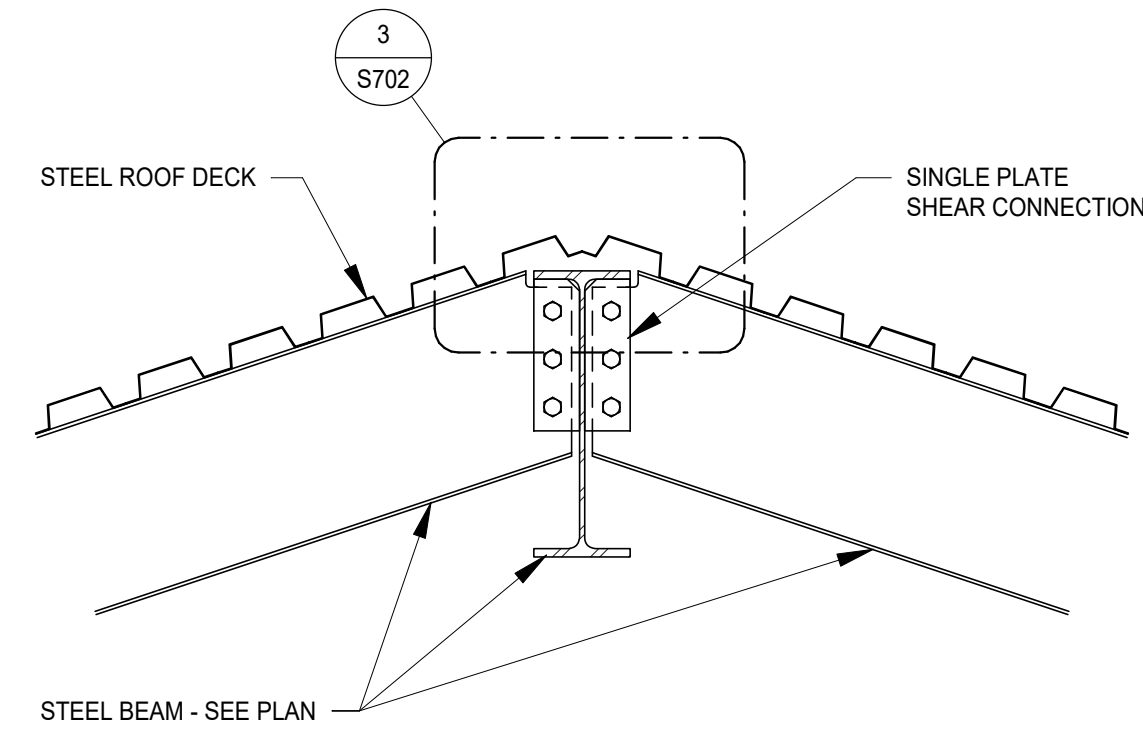
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- NOTES:
- EXISTING STEEL COLUMN, WHERE OCCURS, NOT SHOWN FOR CLARITY.
 - ROLL UP GRILLE ASSEMBLY CONNECTION TO STEEL TUBE POST BY SUPPLIER.

1
S703
NO SCALE

ROLL UP GRILLE STEEL TUBE POST CONNECTION TO (E) STRUCTURE



2
S703
1" = 1'-0"

STEEL BEAM CONNECTION AT RIDGE BEAM

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MBJ

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AGS AUGUSTA REGIONAL AIRPORT

AUGUSTA REGIONAL AIRPORT
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09/13/24 BID SET

Daniel Swiatex



MSH NO.: 0119700-231215.02
DATE: 09/13/2024
DESIGNED BY: MRD
DRAWN BY: DMD
CHECKED BY: MRD
DO NOT SCALE DRAWINGS

SHEET CONTENTS
FRAMING DETAILS

SHEET NO.:

S703

ABBREVIATIONS

| | | | | | | | |
|--------|--|-------|--|---------|---|-------|-----------------------------------|
| ∠ | ANGLE | EA | EACH | MACH | MACHINE | SAT | STANDARD AGGREGATE TOPPING |
| @ | AT | EC | ELECTRICAL CONTRACTOR | MAN | MANUAL | SB | SOIL BEARING |
| AB | ANCHOR BOLT | EF | EACH FACE | MAR | MARBLE | SC | SEAMLESS COATING |
| AC | ACOUSTIC | EH | ELECTRICAL HEATER/EXHAUST HOOD | MAS | MASONRY | SCF | SPECIAL CONCRETE FINISH |
| ACC | ACCESS | EJ | EXPANSION JOINT | MATL | MATERIAL | SCHD | SCHEDULE |
| ACT | ACOUSTIC CEILING TILE | EL | ELEVATION | MAX | MAXIMUM | SD | SOAP DISPENSER |
| ACP | ACOUSTIC CEILING PANEL | ELEC | ELECTRICAL | MB | MACHINE BOLT | SE | SELF EDGE |
| AD | AREA DRAIN | ELEV | ELEVATOR/ELEVATION | MBW | MASONRY BEARING WALL | SECT | SECTION |
| ADD | ADDITIONAL | EMBED | EMBEDDED | MC | MECHANICAL CONTRACTOR | SF | SAND FLOAT |
| ADJ | ADJUSTABLE | EMER | EMERGENCY | MDO | MEDIUM DENSITY OVERLAY | SG | SUPPLY AIR GRILLE |
| AFF | ABOVE FINISH FLOOR | ENT | ENTRANCE | MECH | MECHANICAL | SGL | SINGLE |
| AHU | AIR HANDLING UNIT | EQ | EQUAL | MEMB | MEMBRANE | SH | SHelf |
| AL | ALUMINUM | EQUIP | EQUIPMENT | MET | METAL | SHD | SHOWER DOOR |
| ALT | ALTERNATE | ES | EMERGENCY SHOWER | MEZZ | MEZZANINE | SHT | SHEET |
| AP | ACCESS PANEL | ESR | ELASTOMERIC SHEET ROOFING | MFR | MANUFACTURER | SIM | SIMILAR |
| APPROX | APPROXIMATE | ETR | EXISTING TO REMAIN | MIN | MINIMUM | SJ | STEEL JOIST |
| ARCH | ARCHITECTURAL | EVC | ELASTIC VINYL COATING | MIR | MIRROR | SLV | SHORT LEG VERTICAL |
| ASPH | ASPHALT | EW | EACH WAY | MISC | MISCELLANEOUS | SM | SMOOTH |
| | | EXC | EXCAVATE | MK | MARK | SND | SANITARY NAPKIN DISPENSER |
| BB | BOND BEAM | EXP | EXPANSION | ML | METAL LATH | SNV | SANITARY NAPKIN VENDER |
| BD | BOARD | EXPD | EXPOSED | MLDG | MOLDING | SOG | SLAB ON GRADE |
| BF | BOTH FACES | EXPF | EXPLOSION PROOF | MO | MASONRY OPENING | SPEC | SPECIFICATION |
| BFC | BELOW FINISH CEILING | EXT | EXTERIOR | MP | METAL PARTITION | SPR | SPRINKLER |
| BG | BUMPER GUARD | | | MS | MACHINE SCREW | SQ | SQUARE |
| BIT | BITUMINOUS | | | MTD | MOUNTED | SR | SHOWER ROD |
| BLDG | BUILDING | FA | FIELD ADJUSTABLE | MTG | MOUNTING | SS | STAINLESS STEEL |
| BLKG | BLOCKING | FV | FIELD VERIFY | | | ST | STREET |
| BLK | BLANKET | FD | FLOOR DRAIN | NA | NOT APPLICABLE | STD | STANDARD |
| BM | BEAM/BENCH MARK | FDN | FOUNDATION | NIC | NOT IN CONTRACT | STL | STEEL |
| BLK | BLOCK | FE | FIRE EXTINGUISHER | NO | NUMBER | STO | STORAGE |
| BOT | BOTTOM | FEC | FIRE EXTINGUISHER CABINET | NOM | NOMINAL | STRU | STRUCTURAL/STRUCTURE |
| BRG | BEARING | FHC | FIRE HOSE CABINET | NS | NONSHRINK | SUSP | SUSPENDED |
| BRKR | BREAKER | FIN | FINISH | NTS | NOT TO SCALE | SV | SHEET VINYL |
| BRK | BRICK | FIX | FIXTURE | NWC | NORMAL WEIGHT CONCRETE | SYM | SYMMETRICAL |
| BRKT | BRACKET | FLEX | FLEXIBLE | | | | |
| BS | BACK SPLASH | FLR | FLOOR | OA | OVERALL | T & B | TOP AND BOTTOM |
| BSMT | BASEMENT | FLRG | FLOORING | OC | ON CENTER | TB | TACKBOARD/TOWEL BAR |
| BTWN | BETWEEN | FP | FIREPROOF/FIRE PROTECTION | OD | OUTSIDE DIAMETER/OVERFLOW DRAIN | TBR | TO BE REMOVED |
| | | FR | FIRE RETARDANT | OFF | OFFICE | TCP | THIN COAT PLASTER |
| ┌ | CHANNEL | FS | FULL SIZE/FULL SCALE | OPNG | OPENING | TD | TOWEL DISPENSER |
| CAB | CABINET | FT | FEET | OPP | OPPOSITE | TDW | TOWEL DISPENSER AND WASTE |
| CER | CERAMIC | FTG | FOOTING | OZ | OUNCE | TEMP | TEMPERATURE/TEMPERED |
| CFCI | CONTRACTOR FURNISHED, CONTRATOR INSTALLED | FURG | FURRING | | | TER | TERRAZZO |
| CG | CORNER GUARD | | | PART | PARTITION | TEX | TEXTURE |
| CH | COAT HOOK | GA | GAUGE | PC | PIECE | TFC | TROWELED FLOOR COVERING |
| CIP | CAST IN PLACE | GAL | GALLON | PCC | PRECAST CONCRETE | T & G | TONGUE AND GROOVE |
| CJ | CONTROL JOINT/CONSTRUCTION | GALV | GALVANIZED | PCPL | PORTLAND CEMENT PLASTER | THK | THICK |
| JOINT | | GB | GRAB BAR | PDWR | PAPER TOWEL DISPENSER & WASTE RECEPTACLE | TOB | TOP OF BEAM |
| CLG | CEILING | GC | GENERAL CONTRACTOR | PH | PHILLIPS HEAD/PHASE | TOC | TOP OF CURB/TOP OF CONCRETE |
| CLO | CLOSET/CLOSURE | GEN | GENERAL | PL | PLASTIC LAMINATE/PLATE/PROPERTY LINE | TOD | TOP OF DECK/TOP OF DUCT ELEVATION |
| CLR | CLEAR | GFCI | GOVERNMENT FURNISHED, CONTRACTOR INSTALLED | PLAS | PLASTER | TOF | TOP OF FOOTING |
| COL | COLUMN | GFGI | GOVERNMENT FURNISHED, GOVERNMENT INSTALLED | PLB | PLASTER | TOJ | TOP OF JOIST |
| COMB | COMBINATION | GFRG | GLASS FIBER REINFORCED CONCRETE | PLBG | PLUMBING | TOP | TOP OF PIPE ELEVATION |
| CMU | CONCRETE MASONRY UNIT | GL | GLASS FIBER REINFORCED GYPSUM | PLYWD | PLYWOOD | TOS | TOP OF SLAB/TOP OF STEEL |
| CONC | CONCRETE | GMU | GLAZED MASONRY UNIT | PM | PROTECTED METAL | TOW | TOP OF WALL |
| CONF | CONFERENCE | GWB | GYPSUM WALL BOARD | PNL | PANEL | TPG | TOPPING |
| CONN | CONNECTION/CONNECT | GYP | GYPSUM | PNL | PANEL | TPH | TOILET PAPER HOLDER |
| CONSTR | CONSTRUCTION | | | PNLG | PANELING | TR | TREATED |
| CONT | CONTINUOUS | H | HEIGHT | POL | POLISHED | TRAN | TRANSOM |
| CONTR | CONTRACTOR | HDBD | HARDBOARD | PR | PAIR | TRANS | TRANSVERSE |
| CORR | CORRIDOR | HDCP | HANDICAPPED | PRE FAB | PREFABRICATED | TS | TUBE STEEL |
| CPT | CARPET | HDWD | HARDWOOD | PRE FIN | PRE-FINISHED | TWS | THREADED WELDED STUD |
| CR | COAT RACK/CURTAIN ROD | HDWE | HARDWARE | PSF | POUNDS PER SQUARE FOOT | TYP | TYPICAL |
| CSG | CASING | HK | HOOK | PSI | POUNDS PER SQUARE INCH | UG | UNDERGROUND |
| CT | CERAMIC TILE | HM | HOLLOW METAL | PT | POINT/PAINT | UNO | UNLESS NOTED OTHERWISE |
| CTR | CENTER/COUNTER | HP | HIGH POINT | PTM | PAINT TO MATCH | UR | URINAL |
| CTSK | COUNTERSUNK | HR | HANDRAIL | PVC | POLYVINYL CHLORIDE | | |
| CUH | CABINET UNIT HEATER | HT | HEIGHT | QT | QUARRY TILE | V | VINYL |
| CW | COLD WATER | HVAC | HEATING VENTILATION AND AIR CONDITIONING | QTY | QUANTITY | VB | VINYL BASE |
| | | HWS | HEAD WELDED STUDS | | | VCT | VINYL COMPOSITION TILE |
| D | DEPTH | ID | INSIDE DIAMETER | RAD | RADIUS | VERT | VERTICAL |
| DBL | DOUBLE | IMP | INSULATED METAL PANEL | RAH | ROOFTOP AIR HANDLING UNIT | VEST | VESTIBULE |
| DET | DETAIL | IN | INCHES | RB | RUBBER BASE | VOL | VOLUME |
| DF | DRINKING FOUNTAIN | INFO | INFORMATION | RC | REINFORCED CONCRETE | VWC | VINYL WALL COVERING |
| DIA | DIAMETER | INSUL | INSULATION | RCP | RADIANT CEILING PANEL/ REFLECTED CEILING PLAN | | |
| DIAG | DIAGONAL | INT | INTERIOR | RD | ROOF DRAIN | W | WIDE FLANGE STEEL BEAM |
| DIM | DIMENSION | IPW | INSULATED PLENUM WALL | REC | RECESSED | WITH | WITH |
| DIR | DIRECTION | IRF | INSULATED ROOF FILL | REF | REFERENCE | WAF | WELDED ANGLE FRAME |
| DIV | DIVISION | | | REINF | REINFORCING | WC | WATER CLOSET |
| DM | DEMOUNTABLE PARTITION | JAN | JANITOR | REL | RELOCATE | WD | WOOD |
| DN | DOWN | JS | JANITOR SINK | REM | REMAINDER | WDW | WINDOW |
| DO | DITTO | JST | JOIST | REQD | REQUIRED | WF | WIDE FLANGE |
| DR | DOOR | JT | JOINT | RES | RESILIENT | WG | WIRE GLASS |
| DRWR | DRAWER | | | RET | RETURN | W/O | WITHOUT |
| DS | DOWNSPOUT | KD | KNOCKED DOWN | RI | ROUGH IN | WP | WEATHERPROOF |
| DWG | DRAWING | KO | KNOCK-OUT / KNEE OPENING | RM | ROOM | WPGF | WATERPROOFING |
| DWL | DOWEL | | | RO | ROUGH OPENING | WR | WASTE RECEPTACLE |
| DWS | EFORMED WELDED STUD | L | LENGTH | RT | RUBBER TILE | WSCT | WAINSCOT |
| | | LAB | LABORATORY | RUB | RUBBER | WSP | WEATHERSTRIP |
| | | LAM | LAMINATED | | | WTR | WATER |
| | | LB | POUND | | | WWF | WELDED WIRE FABRIC |
| | | LBS | POUNDS | | | | |
| | | LD | LINEAR DIFFUSER | | | | |
| | | LDG | LANDING | | | | |
| | | LF | LINEAR FOOT | | | | |
| | | LG | LONG | | | | |
| | | LGT | LIGHT | | | | |
| | | LKR | LOCKER | | | | |
| | | LLH | LONG LEG HORIZONTAL | | | | |
| | | LLV | LONG LEG VERTICAL | | | | |
| | | LONG | LONGITUDINAL | | | | |
| | | LP | LOW POINT | | | | |
| | | LSH | LONG SLOTTED HOLE | | | | |
| | | LTG | LIGHTING | | | | |
| | | LVR | LOUVER | | | | |
| | | LWC | LIGHTWEIGHT CONCRETE | | | | |

ABBREVIATIONS ABOVE ARE FOR ARCHITECTURAL SHEETS ONLY.

CEILING PLAN LEGEND:

SEE ELECTRICAL FOR EXACT FIXTURE MODEL

| | |
|--|--|
| | N.I.C. |
| | 2' x 2' SUSPENDED CEILING GRID |
| | GYPSUM BOARD CEILING/ PORTLAND CEMENT PLASTER (PAINTED) |
| | WOOD CEILING |
| | LIGHT FIXTURE (RECESSED MOUNTED 4" WIDE OR LESS) LIGHT FIXTURE (RECESSED MOUNTED) |
| | LIGHT FIXTURE (RECESSED MOUNTED) |
| | LIGHT FIXTURE (RECESSED CAN) |
| | LIGHT FIXTURE (SURFACE MOUNTED) |
| | LIGHT FIXTURE (SURFACE MOUNTED) |
| | LIGHT FIXTURE (SUSPENDED) |
| | LIGHT FIXTURE (SUSPENDED) |
| | LIGHT FIXTURE (SUSPENDED) |
| | CEILING RECEPTACLES |
| | CEILING OCCUPANCY SENSOR |
| | CEILING FIRE ALARM DEVICES |
| | CEILING MASS NOTIFICATION DEVICE |
| | CEILING SPEAKER |
| | CEILING SECURITY STRODE |
| | CEILING CAMERA |
| | SPRINKLER HEADS |
| | SUPPLY AIR DIFFUSER |
| | RETURN AIR DIFFUSER / EXHAUST GRILL |
| | EXHAUST FAN |
| | ELEVATION ABOVE FINISHED FLOOR |
| | CEILING TYPE |

GENERAL NOTES:

- CONSTRUCT IN ACCORDANCE WITH ALL CITY GUIDELINES, STATE AND LOCAL CODES, ORDINANCES AND PROCEDURES, IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE ARCHITECTURAL AND ALL OTHER BUILDING SYSTEMS AND TRADES TO ENSURE THAT THE WORK IS COMPLETE AND FUNCTIONING AS INTENDED.
- ALL DRAWINGS ARE OF EQUAL IMPORTANCE IN DEFINING THE CONTRACT DOCUMENTS. CAREFULLY STUDY AND COMPARE ALL DRAWINGS DURING THE BID PERIOD AND PRIOR TO INSTALLATION OF THE WORK. PROMPTLY BRING TO THE ATTENTION OF THE ARCHITECT ANY INCONSISTENCIES IN THE DRAWINGS AND EXISTING CONDITIONS FOUND IN THE FIELD FOR CLARIFICATION.
- DO NOT SCALE DRAWINGS. USE GIVEN DIMENSIONS AND RELATIONSHIPS SHOWN. CONTRACTOR TO VERIFY CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK.
- EXISTING CONDITIONS DEPICTED IN THESE CONTRACT DOCUMENTS ARE BASED UPON EXISTING BUILDING TERMINAL AREA IMPROVEMENT DRAWINGS BY THE LPA DESIGN GROUP DATED AUGUST 2004 WITH LIMITED FIELD VERIFICATION. ARCHITECT MAKES NO WARRANTY OR REPRESENTATION TO THE ACCURACY AND COMPLETENESS OF THE ORIGINAL DRAWINGS. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK.
- ALL DIMENSIONS TO FACE OF WALL/GYPSUM BOARD, ETC. ARE NOTED "CLEAR".

HATCH SYMBOLS

| | | | |
|--|-------------------------|--|-------------------------|
| | EARTHWORK | | PLYWOOD |
| | GRAVEL | | FINISH LUMBER |
| | PLASTER, SAND, GROUT | | WOOD STUDS, BLOCKING |
| | CONCRETE | | STEEL STUDS |
| | CONCRETE MASONRY | | GYPSUM WALLBOARD |
| | CLAY MASONRY | | ACOUSTIC AL TILE |
| | PRECAST CONCRETE | | BATT INSULATION |
| | METAL | | RIGID INSULATION |

LEGEND - PLAN SYMBOLS

| | |
|--|---|
| | BUILDING SECTION SYMBOL |
| | WALL SECTION SYMBOL |
| | DETAIL SYMBOL |
| | ENLARGED PLAN SYMBOL |
| | EXTERIOR ELEVATION SYMBOL |
| | INTERIOR ELEVATION SYMBOL |
| | KEYED NOTE IDENTIFICATION |
| | ROOM NAME AND NUMBER |
| | WALL TYPE IDENTIFICATION |
| | WINDOW IDENTIFICATION |
| | DOOR IDENTIFICATION |
| | 1 HOUR FIRE RATED WALL |
| | FIRE EXTINGUISHER - SURFACE MOUNT |
| | FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER - SEMI-RECESSED |
| | FLOOR DRAIN |
| | EXISTING GRID LINES |
| | NEW GRID LINES |
| | LEVEL OR SPOT ELEVATIONS |
| | CEILING HEIGHT & FINISH |

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STATE OF GEORGIA
 REGISTERED ARCHITECT
 09/13/2024

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 DRAWN BY: CL
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DO NOT SCALE DRAWINGS

SHEET CONTENTS
 NOTES & SYMBOLS

SHEET NO.:

A-001



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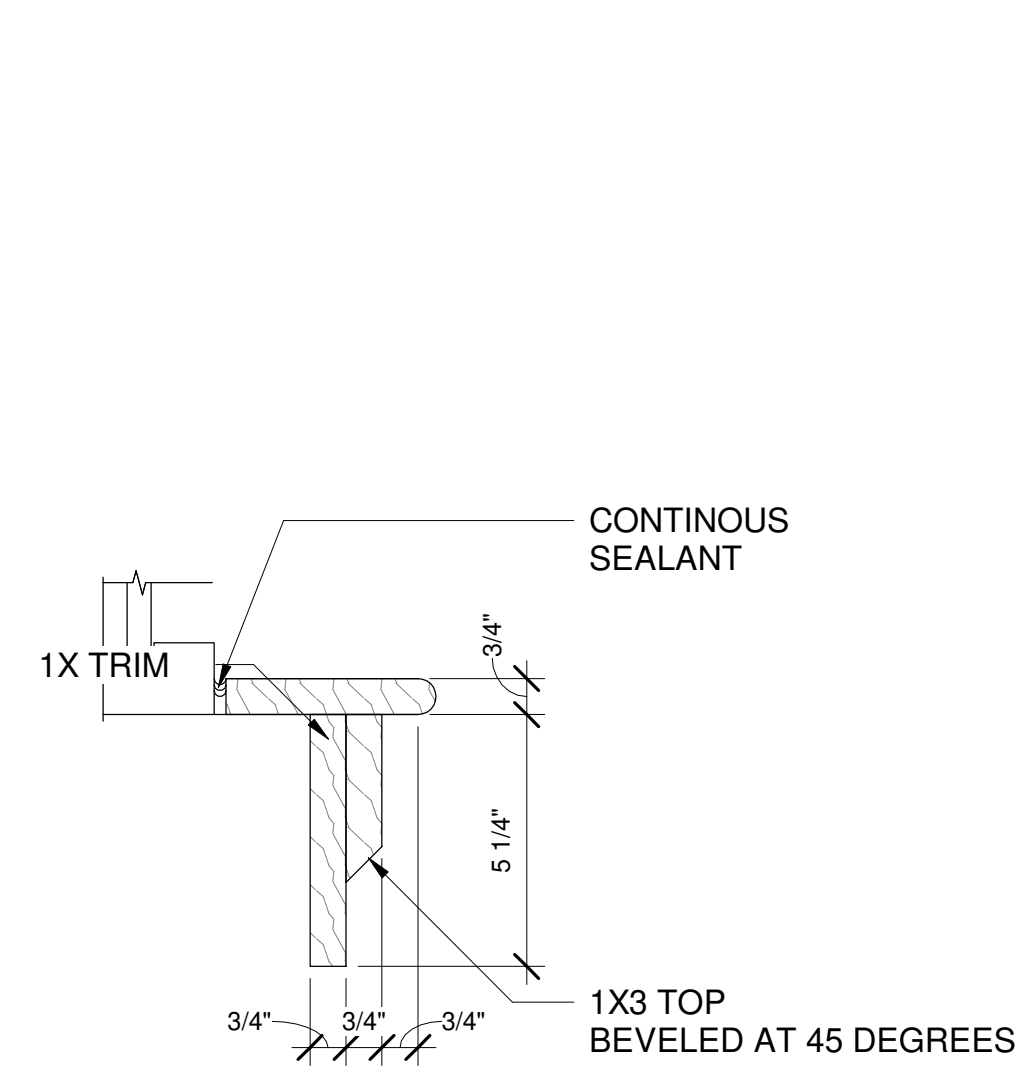
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SHEET CONTENTS
INTERIOR PARTITION TYPES

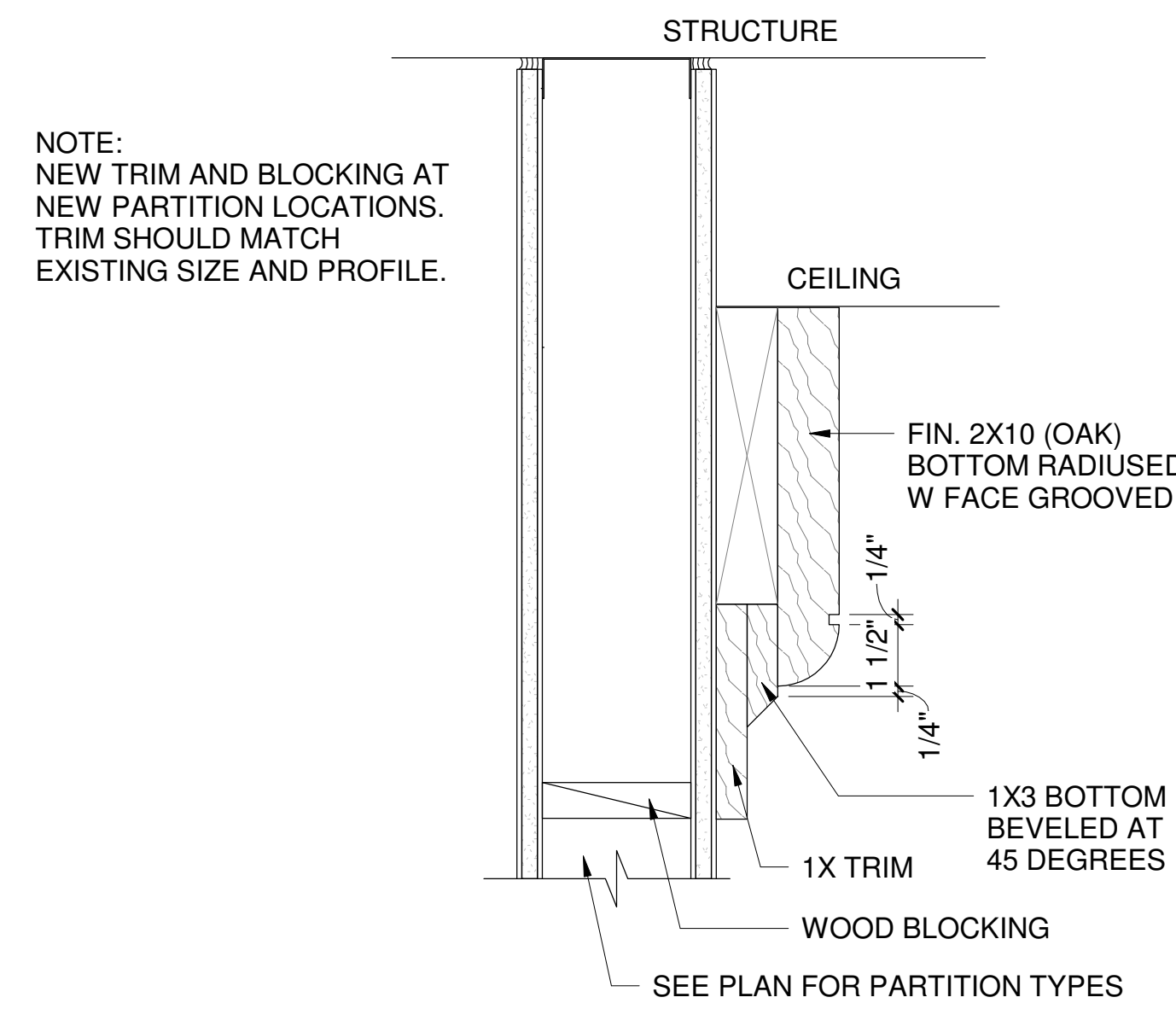
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PARTITION GENERAL NOTES:

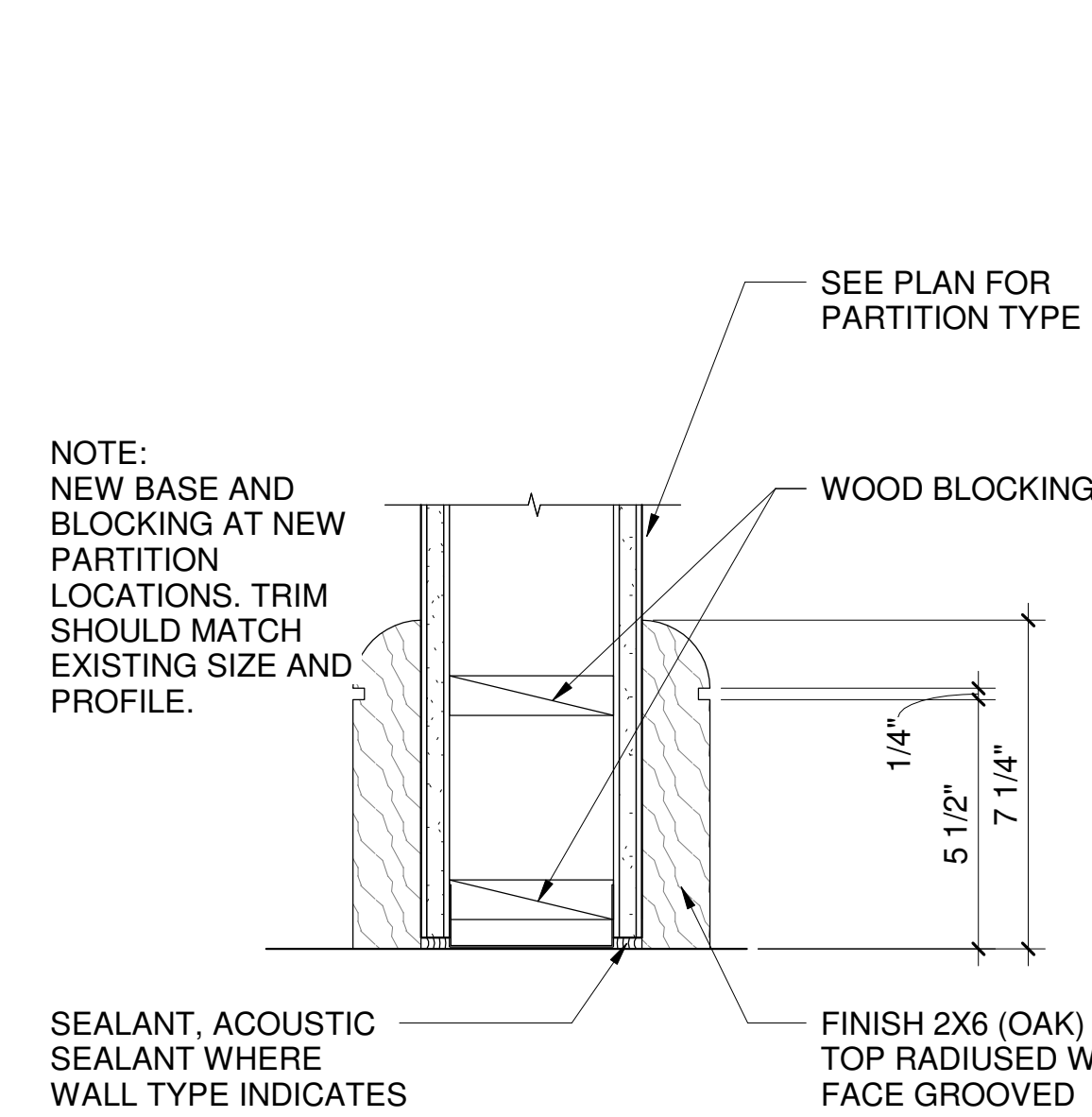
- PARTITIONS SHALL BE TYPE "SA3" UNLESS OTHERWISE NOTED.
- ALL ELEMENTS OF ACOUSTIC PARTITIONS SHALL EXTEND TO ROOF OR FLOOR DECK ABOVE AND ALL JOINTS AND PENETRATIONS OF ACOUSTIC RATED PARTITIONS SHALL BE FILLED AND SEALED.
- REFER TO SHEET A-002 FOR PARTITION DETAILS.
- REFER TO "INTERIOR PARTITION TYPE MODIFIERS" FOR SYMBOLS USED TO IDENTIFY ADDITIONAL REQUIREMENTS OR MODIFICATIONS TO BASIC PARTITION TYPES.
- PARTITION TYPES DESCRIBE GENERAL REQUIREMENTS FOR PARTITIONS. REFER TO PRODUCT MANUFACTURERS' SPECIFICATIONS AND REQUIREMENTS FOR APPLICABLE TESTING AGENCIES FOR SPECIFICS OF PARTITION CONSTRUCTION.
- PARTITION REQUIREMENTS SHOWN ARE CONSIDERED MINIMUM STANDARDS. WHERE CONDITIONS OF THE WORK CAUSE PARTITION(S) TO EXCEED LIMITS RECOMMENDED BY MANUFACTURER, REINFORCE PARTITION(S).
- PENETRATIONS IN RATED PARTITIONS AND CONNECTIONS OF THE PARTITIONS TO OTHER PORTIONS OF THE WORK SHALL BE IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDED DETAILS AND IN COMPLIANCE WITH APPLICABLE TESTING AGENCY REQUIREMENTS.
- WHERE A CLEAR DIMENSION OR OPENING IS REQUIRED OR NOTED, MEASURE DIMENSION TO FACE OF PARTITION FINISH.
- INSTALL BLOCKING OR BACKER MATERIAL FOR ATTACHMENT/MOUNTING OF WALL HUNG ITEMS OR EQUIPMENT DESCRIBED IN THE DOCUMENTS.
- FIRE RATED PARTITIONS: GA AND UL TEST NUMBERS MAY VARY DEPENDING ON THE MANUFACTURER OF COMPONENTS ACTUALLY USED.
- PROVIDE 5/8" TYPE "X" GYPSUM BOARD (UNLESS NOTED OTHERWISE)
- PROVIDE TYPE "X" GYPSUM BOARD AT FIRE RATED PARTITIONS.
- INSTALLATION OF GYPSUM BOARD, BACKER BOARD AND BASE BOARD SHALL CONFORM TO REQUIREMENTS FOR FIRE RATINGS AND ACOUSTICAL RATINGS.
- TYPICAL FLOOR PLAN DIMENSIONS OF PARTITIONS ARE TO THE NOMINAL FACE OF STUD. UNLESS NOTED AS "CLEAR" PER NOTE #8.
- WHERE PARTITIONS AND/OR FURRING MEET, MAINTAIN A FLUSH SURFACE ON THE SIDE WHERE THE FINISH IS STRAIGHT OR CONTINUOUS UNLESS OTHERWISE NOTED.



3 TYP. WINDOW SILL TRIM
3" = 1'-0"

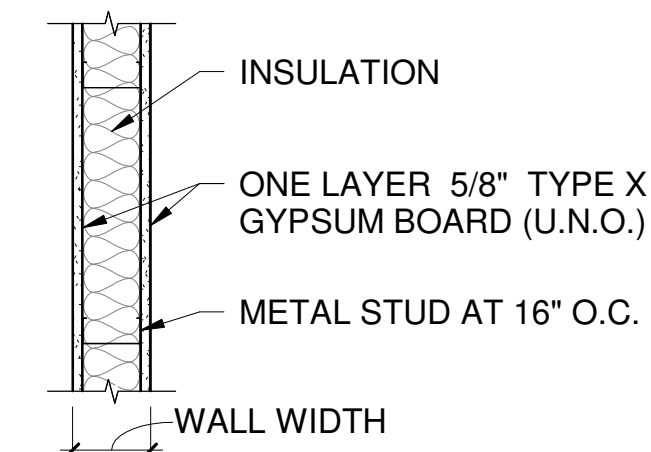
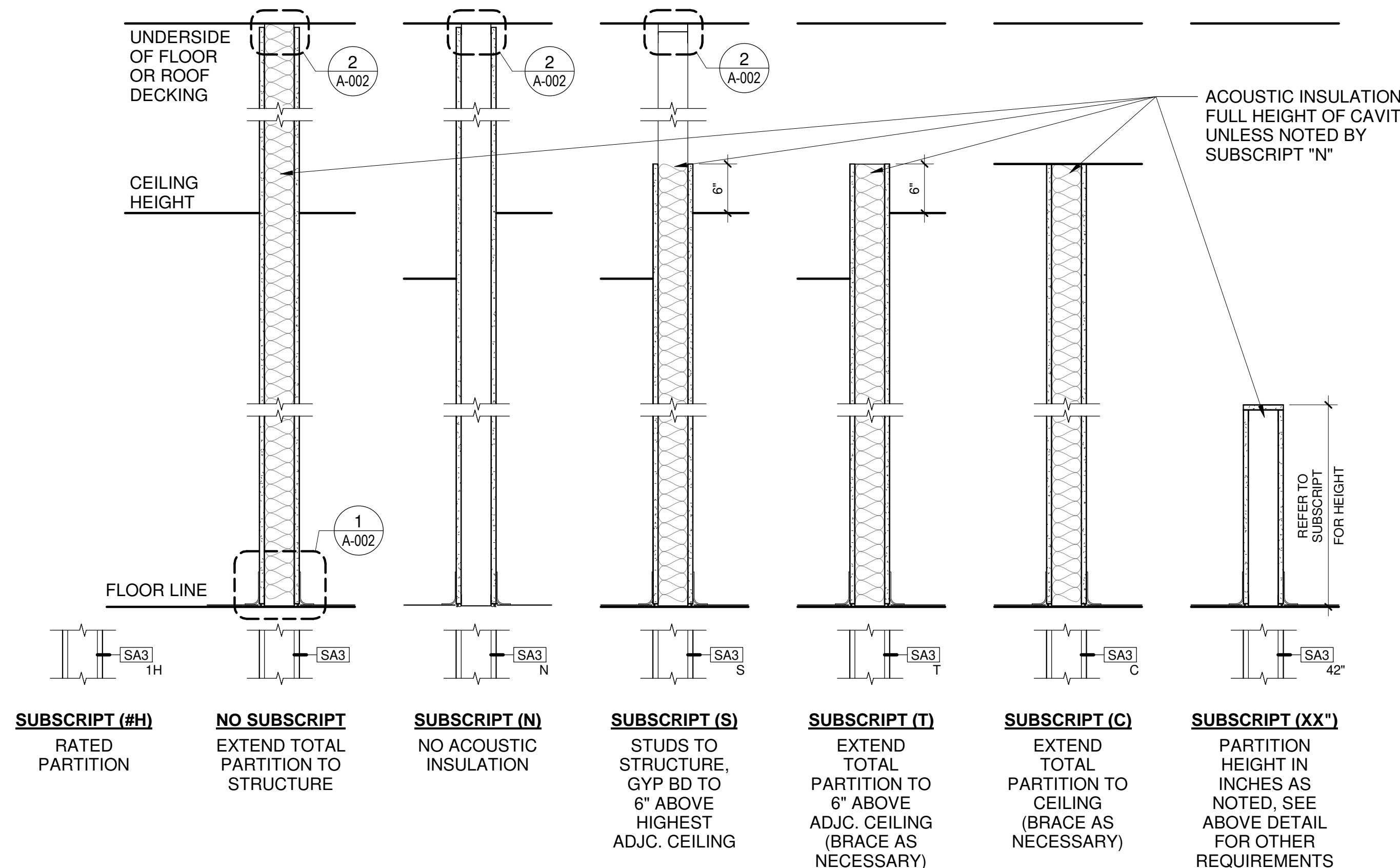


2 TYP. WALL TRIM
3" = 1'-0"



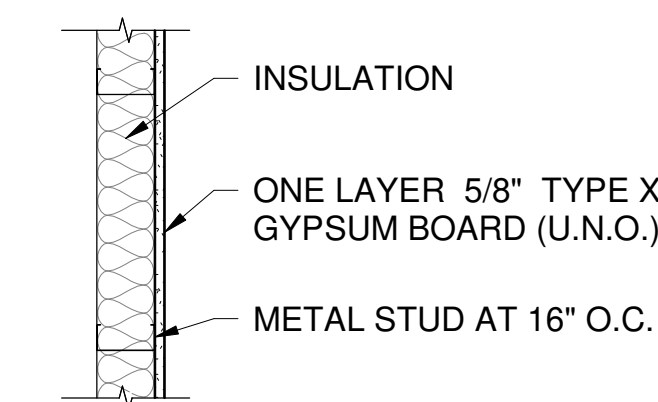
1 TYP. WALL BASE
3" = 1'-0"

PARTITION TYPE SYMBOL AND SUBSCRIPT DEFINITIONS:



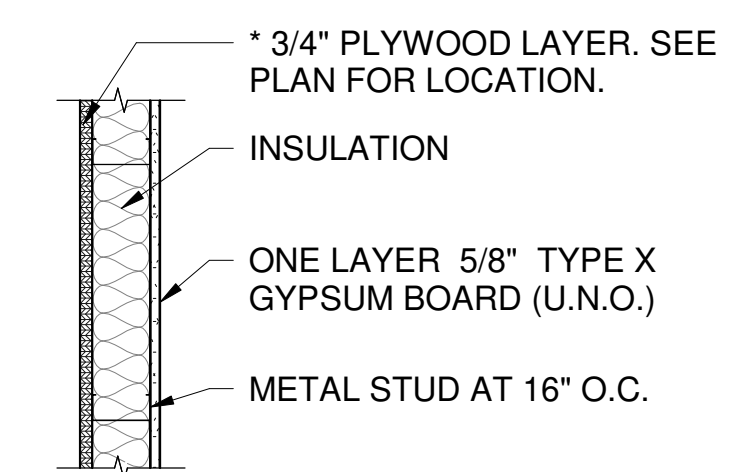
"SA" SERIES

| PTN TYPE | STUD WIDTH | WALL WIDTH | NOTES |
|----------|------------|------------|-------|
| SA2 | 2 1/2" | 3 3/4" | |
| SA3 | 3 5/8" | 4 7/8" | |
| SA4 | 4" | 5 1/4" | |
| SA6 | 6" | 7 1/4" | |
| SA8 | 8" | 9 1/4" | |



"FC" SERIES

| PTN TYPE | STUD WIDTH | WALL WIDTH | NOTES |
|----------|------------|------------|-------|
| FC1 | 1 5/8" | 2 1/4" | |
| FC2 | 2 1/2" | 3 1/8" | |
| FC3 | 3 5/8" | 4 1/4" | |
| FC4 | 4" | 4 5/8" | |
| FC6 | 6" | 6 5/8" | |

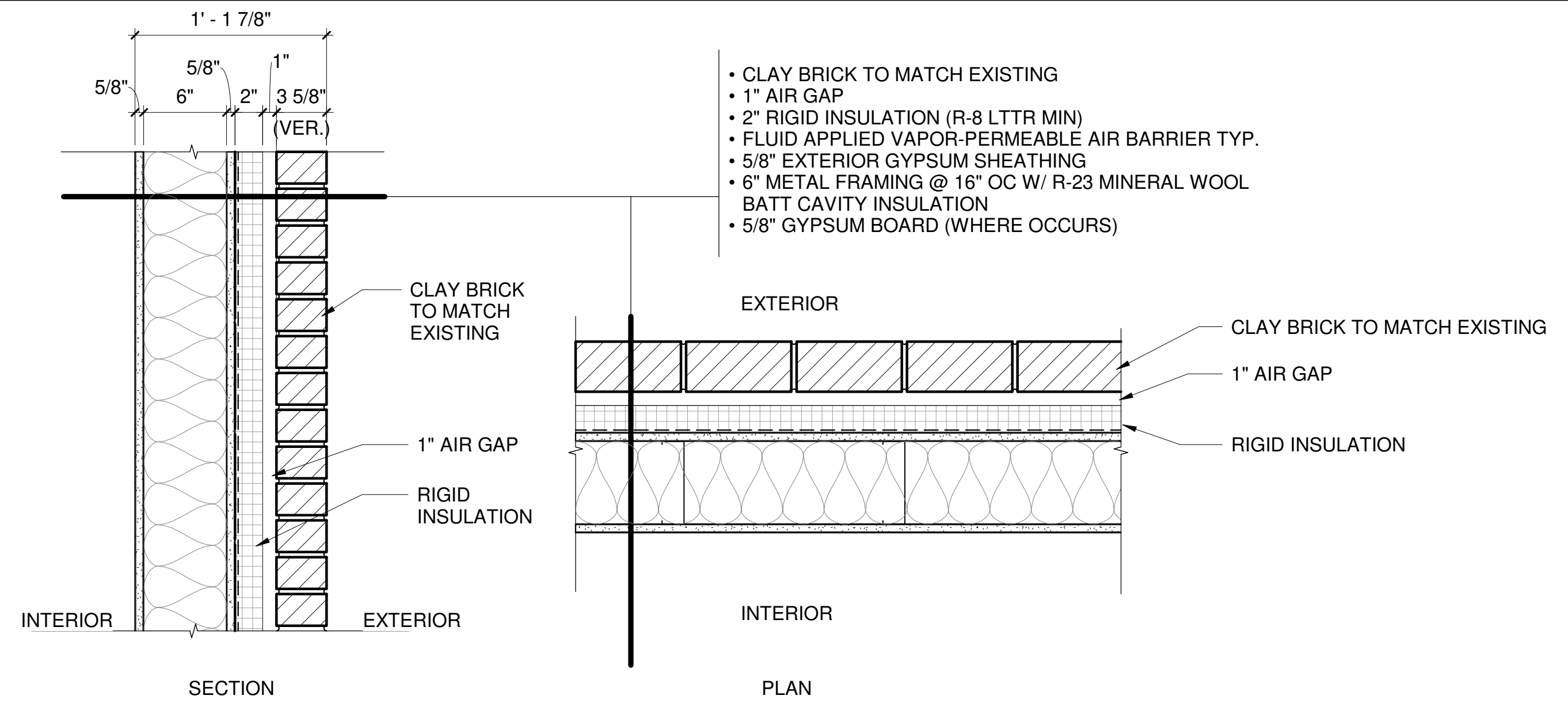
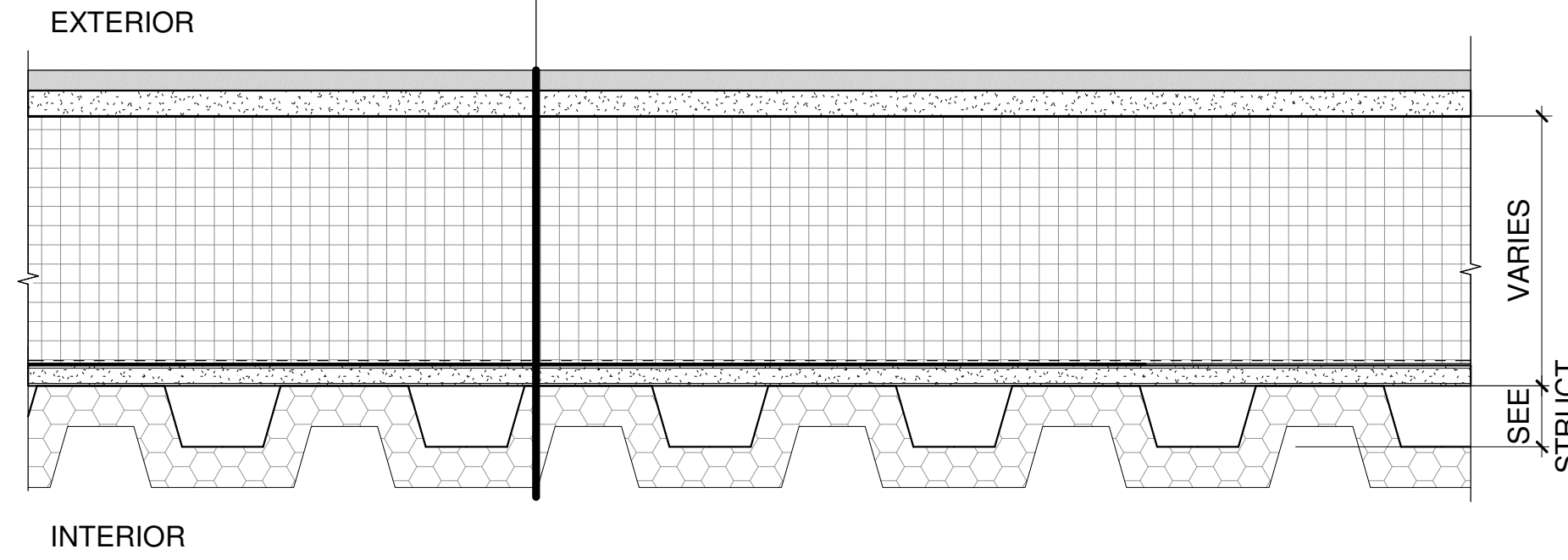


"FA" SERIES

| PTN TYPE | STUD WIDTH | WALL WIDTH | NOTES |
|----------|------------|------------|-------|
| FA3 | 3 5/8" | 5" | |

TYPICAL LOW-SLOPE ROOF CONSTRUCTION

- SINGLE PLY MEMBRANE
- 1/2" COVER BOARD AS REQUIRED BY ROOFING MFR.
- TAPERED RIGID INSULATION (R-25 LTTR MIN.)
- FLUID APPLIED VAPOR - PERMEABLE AIR BARRIER TYP
- 1/2" ROOF BOARD
- METAL ROOF DECK - SEE STRUCTURAL
- SPRAY APPLIED FIREPROOFING



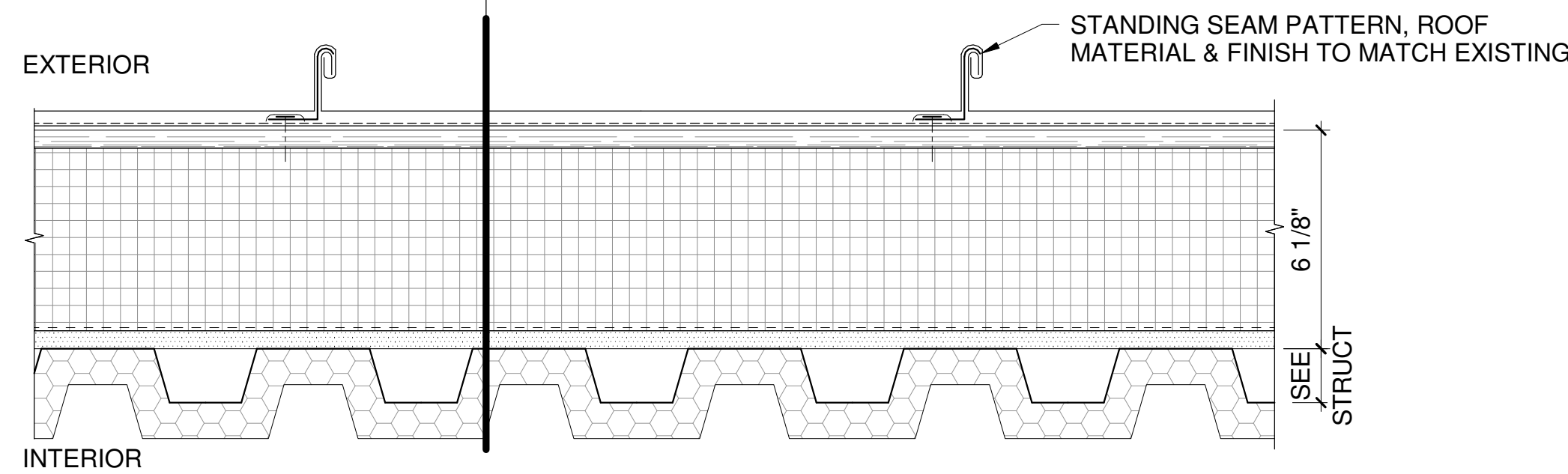
- CLAY BRICK TO MATCH EXISTING
- 1" AIR GAP
- 2" RIGID INSULATION (R-8 LTTR MIN)
- FLUID APPLIED VAPOR-PERMEABLE AIR BARRIER TYP.
- 5/8" EXTERIOR GYPSUM SHEATHING
- 6" METAL FRAMING @ 16" OC W/ R-23 MINERAL WOOL BATT CAVITY INSULATION
- 5/8" GYPSUM BOARD (WHERE OCCURS)

3 ROOF DETAIL ASSEMBLY - (RA-1)

3" = 1'-0"

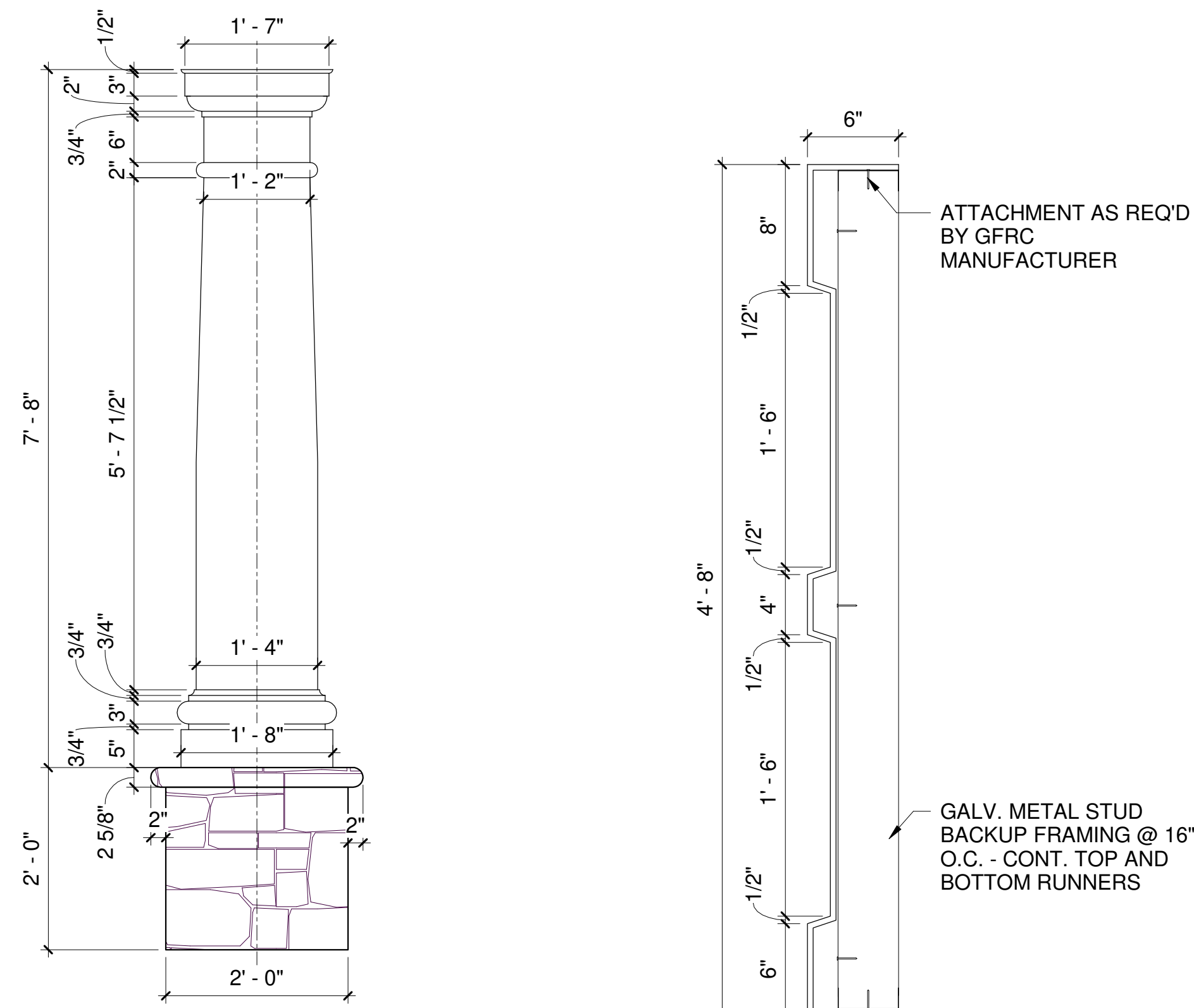
TYPICAL SLOPED ROOF CONSTRUCTION (HORIZONTAL CUT SHOWN)

- STANDING SEAM METAL ROOF OVER ROOFING FELTS
- 1/2" OSB (FRTW)
- RIGID INSULATION (R-25 LTTR MIN.)
- FLUID APPLIED VAPOR-PERMEABLE AIR BARRIER
- 1/2" ROOF BOARD
- METAL ROOF DECK - (SEE STRUCTURAL DWGS)
- SPRAY APPLIED FIREPROOFING



4 ROOF DETAIL ASSEMBLY - (RA-2)

3" = 1'-0"



6 EXTERIOR GFRP COLUMN PROFILE

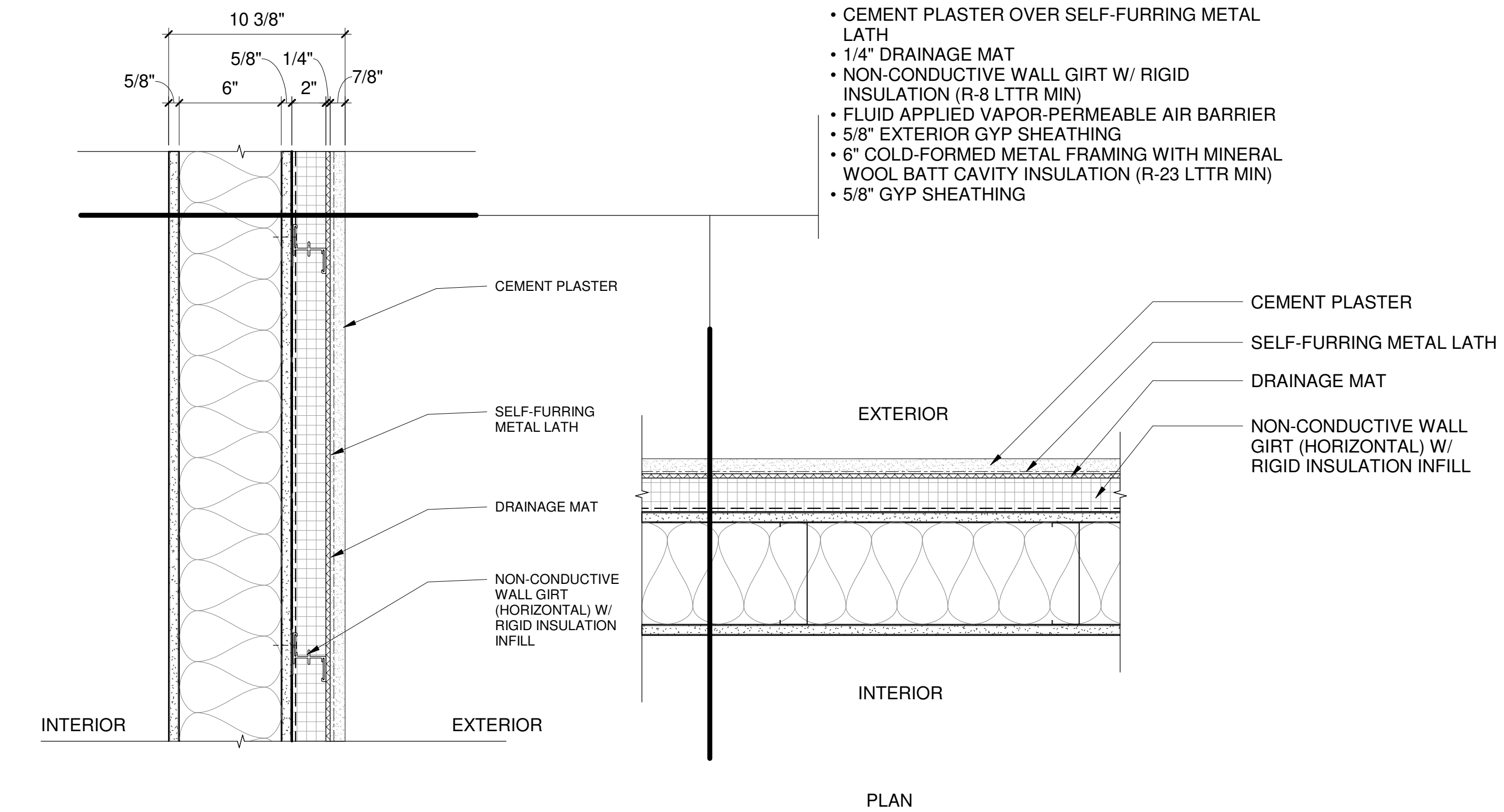
3/4" = 1'-0"

5 GFRP PANEL PROFILE

1 1/2" = 1'-0"

1 WALL ASSEMBLY (WA-1)

1 1/2" = 1'-0"




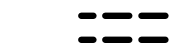


2 WALL ASSEMBLY (WA-2)

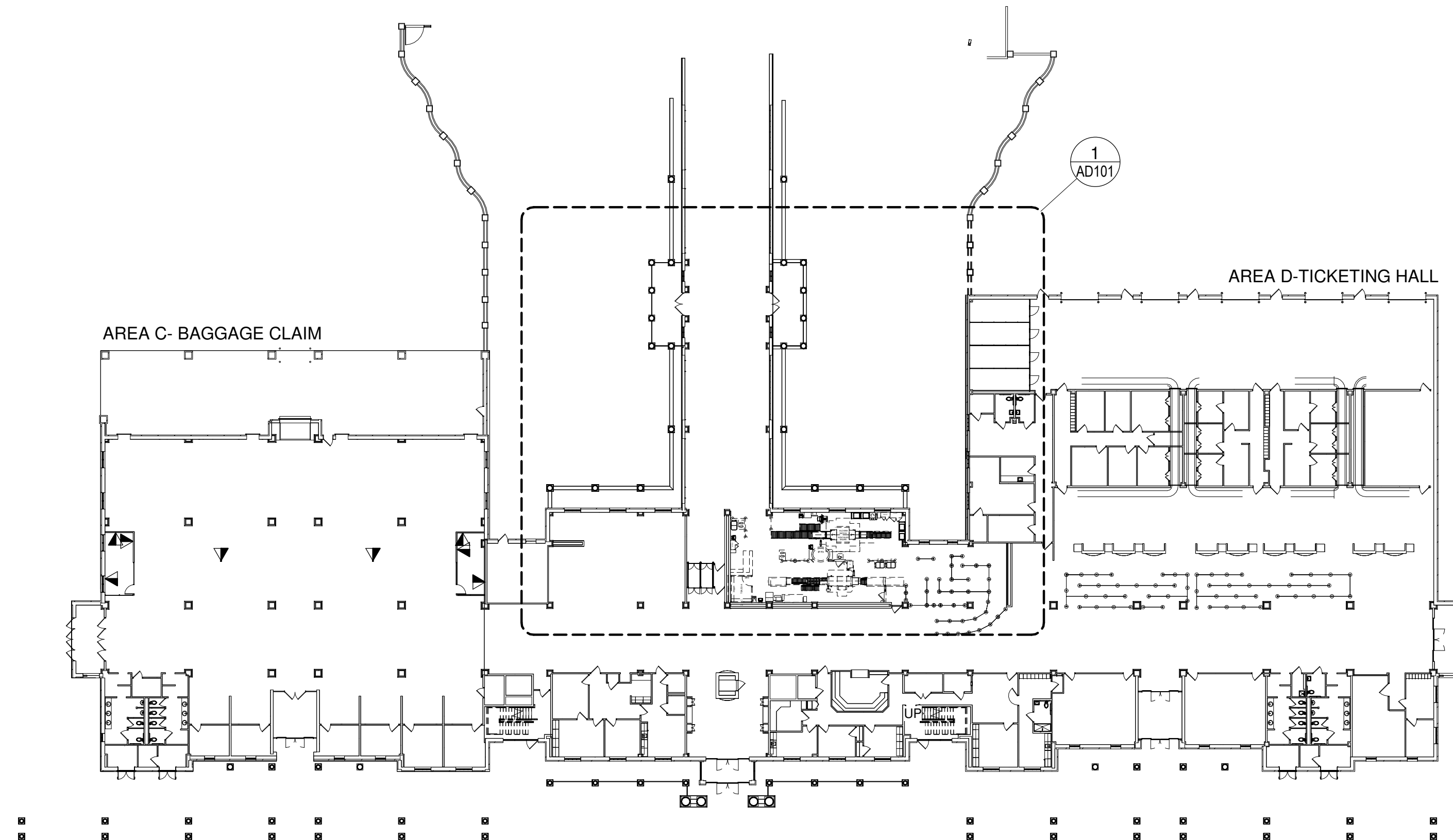
NTS

DEMOLITION PLAN GENERAL NOTES:

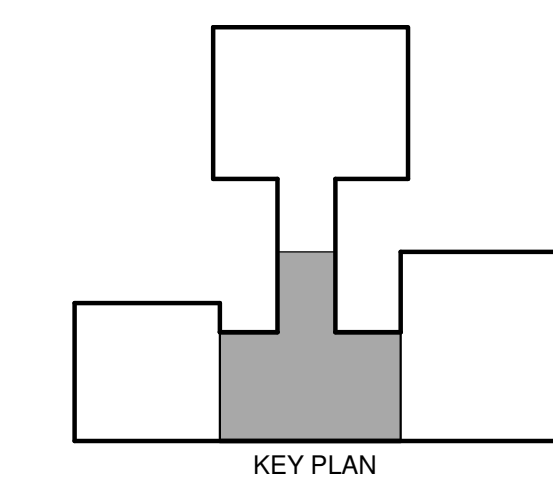
1. VERIFY BUILDING AND SITE CONDITIONS AND REPORT DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH ANY SCHEDULED DEMOLITION WORK.
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3. REMOVE FIRE EXTINGUISHER CABINETS THAT INTERFERE WITH NEW CONSTRUCTION. STORE FOR RELOCATION.
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7. REPAIR ANY EXISTING SPRAY-ON FIREPROOFING DAMAGED DURING CONSTRUCTION.
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9. REFERENCE SHEETS G-025 TO G-031 PHASING PLANS FOR CONSTRUCTION PHASING
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DEMOLITION LEGEND:

-  EXISTING CONSTRUCTION TO REMAIN
-  EXISTING CONSTRUCTION TO BE DEMOLISHED, TYP (U.N.O.)
-  EXISTING ROOFING TO BE DEMOLISHED
-  EXISTING CEILING AND GRID TO BE DEMOLISHED



TRUE PLAN
NORTH NORTH
 1
1/32" = 1'-0" **OVERALL TERMINAL FLOOR PLAN DEMOLITION**



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meadhunt.com



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**AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION**

1501 AVIATION WAY, AUGUSTA, GA 30906

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DATE: 09/13/2024
DESIGNED BY: DR
DRAWN BY: CL
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SHEET CONTENTS
**OVERALL FIRST
FLOOR DEMOLITION
PLAN**

SHEET NO.:

AD100



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SHEET CONTENTS
FIRST FLOOR
DEMOLITION PLAN
AREA B

SHEET NO.:

AD101

DEMOLITION PLAN GENERAL NOTES:

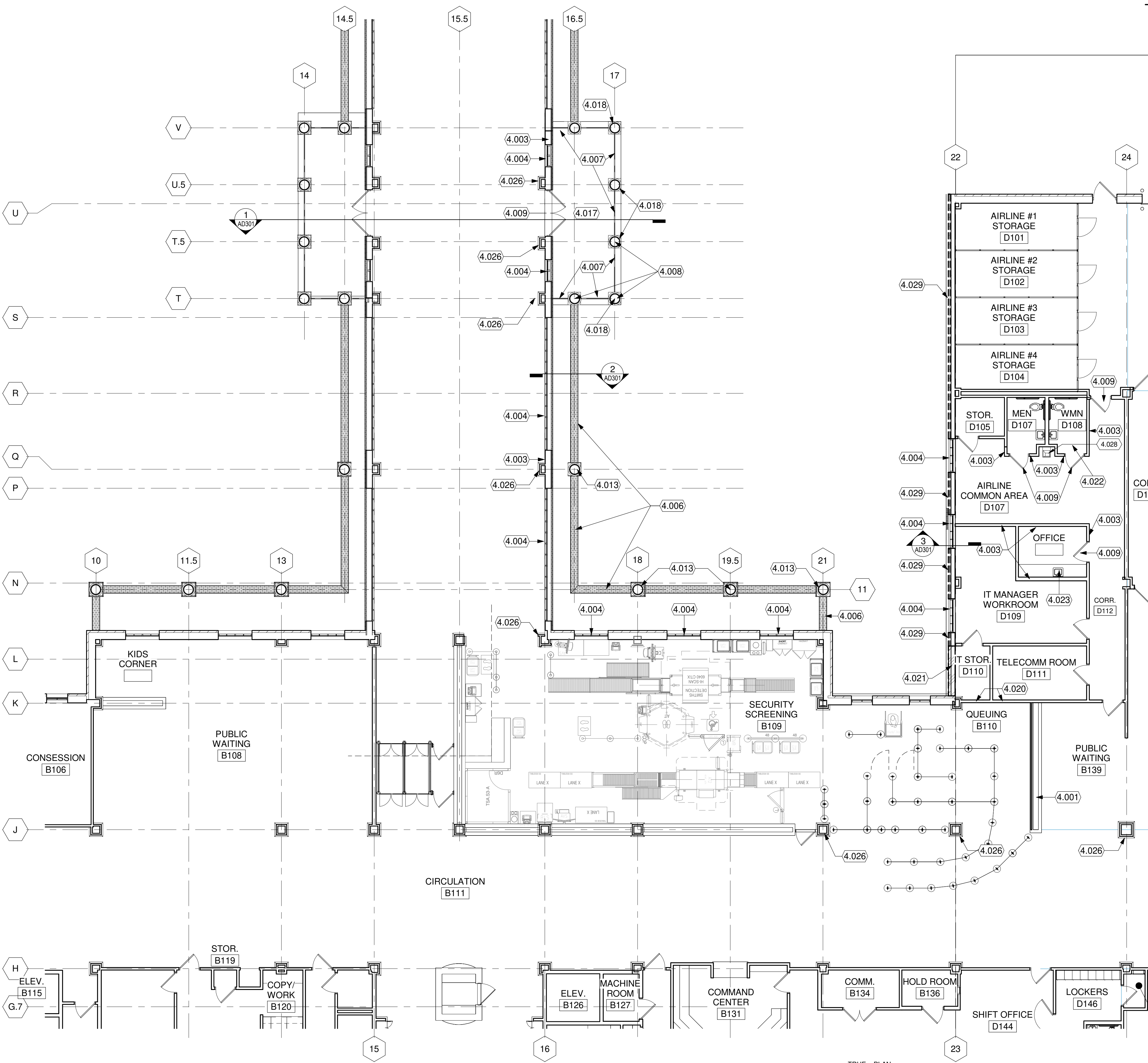
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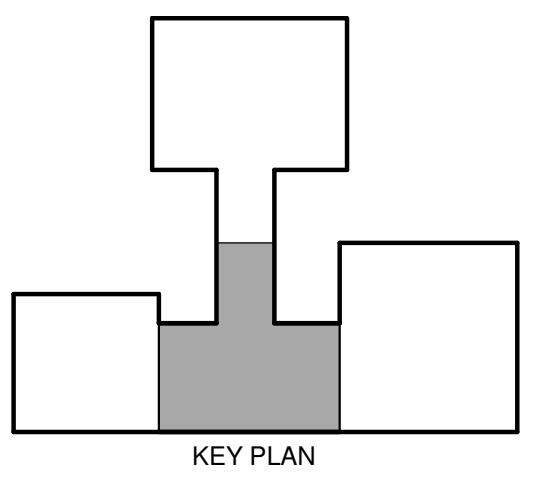
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED, TYP (U.N.O.)
- EXISTING ROOFING TO BE DEMOLISHED
- EXISTING CEILING AND GRID TO BE DEMOLISHED

KEYED NOTES

- 4.001 DEMOLISH PLANTER & 3FORM PANEL WHERE OCCURS
- 4.003 DEMOLISH WALL
- 4.004 DEMOLISH WINDOW
- 4.006 DEMOLISH MASONRY LANDSCAPE WALL AND CAP
- 4.007 DEMOLISH METAL RAILING
- 4.008 DEMOLISH COLUMN
- 4.009 DEMOLISH DOOR AND DOOR FRAME
- 4.013 DEMOLISH COLUMN WRAP & BRICK BASE. STRUCTURAL COLUMN TO REMAIN
- 4.017 PATIO CONCRETE SLAB TO REMAIN
- 4.018 DEMOLISH COLUMN SURROUND/ENCLOSURE
- 4.020 DEMOLISH WALL PORTION FOR NEW DOOR, SEE A-101 AND DOOR SCHEDULE
- 4.021 DEMOLISH WALL PORTION TO EXPAND NEW ELECTRICAL ROOM, SEE SHEET A-101
- 4.022 DEMOLISH PLUMBING FIXTURES AND ACCESSORIES IN WOMAN'S TOILET ROOM
- 4.023 DEMOLISH COUNTERTOP AND PLUMBING FIXTURES
- 4.026 DEMO COLUMN WRAPS
- 4.028 REMOVE WATER COOLER
- 4.029 DEMOLISH BRICK VENEER ENTIRE HEIGHT OF WALL



TRUE PLAN NORTH NORTH
1 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"





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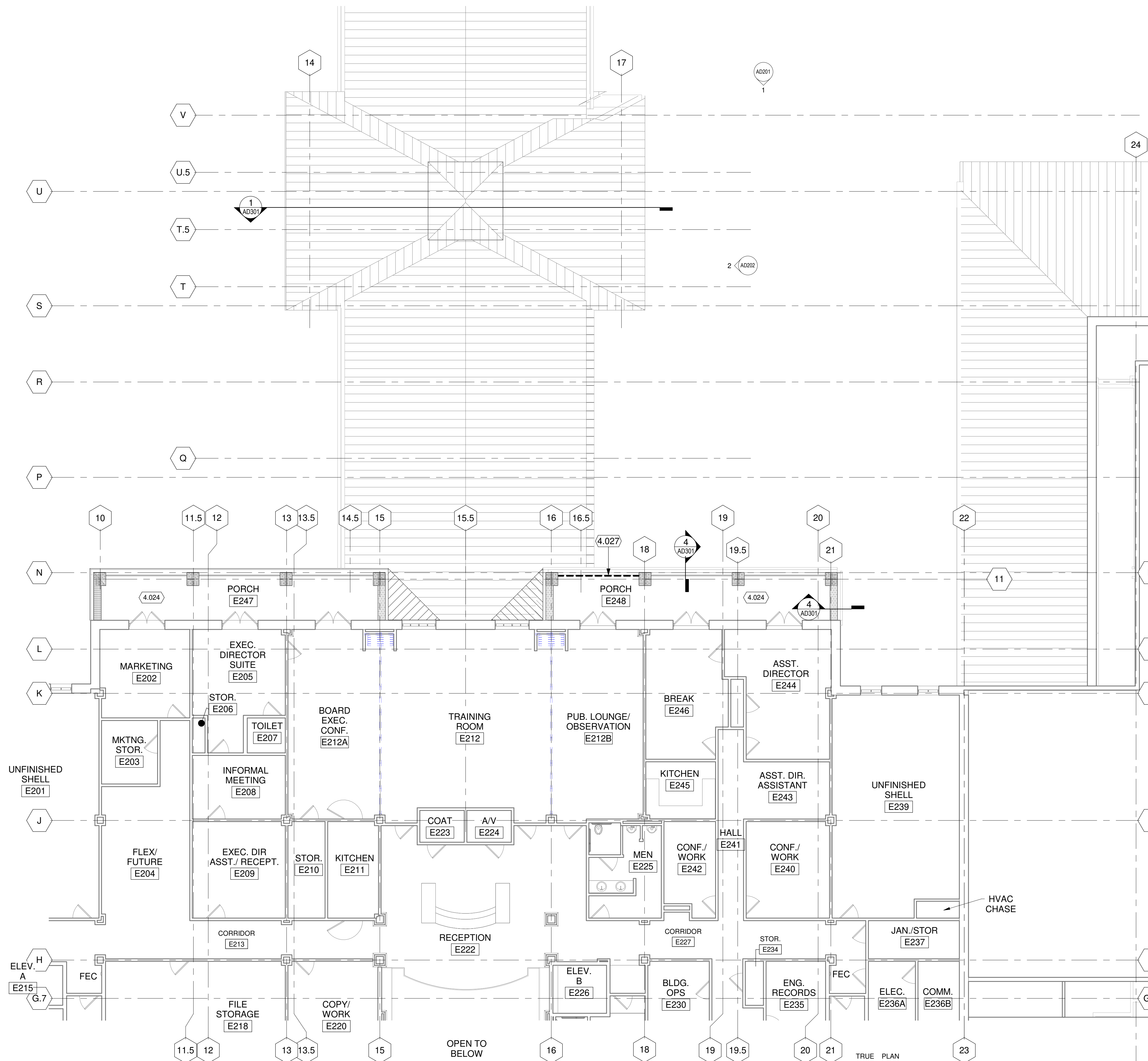
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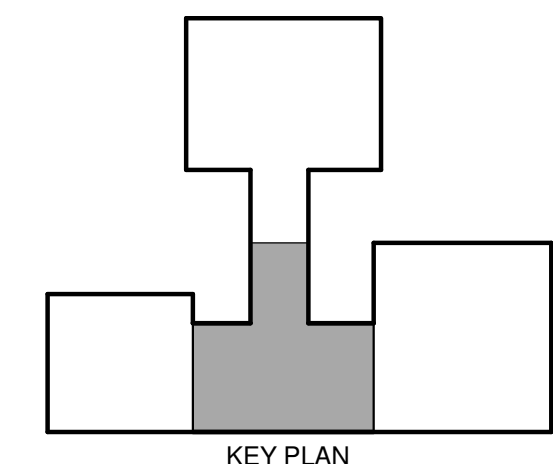
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- EXISTING ROOFING TO BE DEMOLISHED
- EXISTING CEILING AND GRID TO BE DEMOLISHED

KEYED NOTES

- 4.024 PORCH AND RAILING TO REMAIN
- 4.027 DEMO RAILING AND PREP FOR REMOVABLE RAILING TO BE INSTALLED FOR ROOF ACCESS.



TRUE PLAN NORTH NORTH
1 SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"



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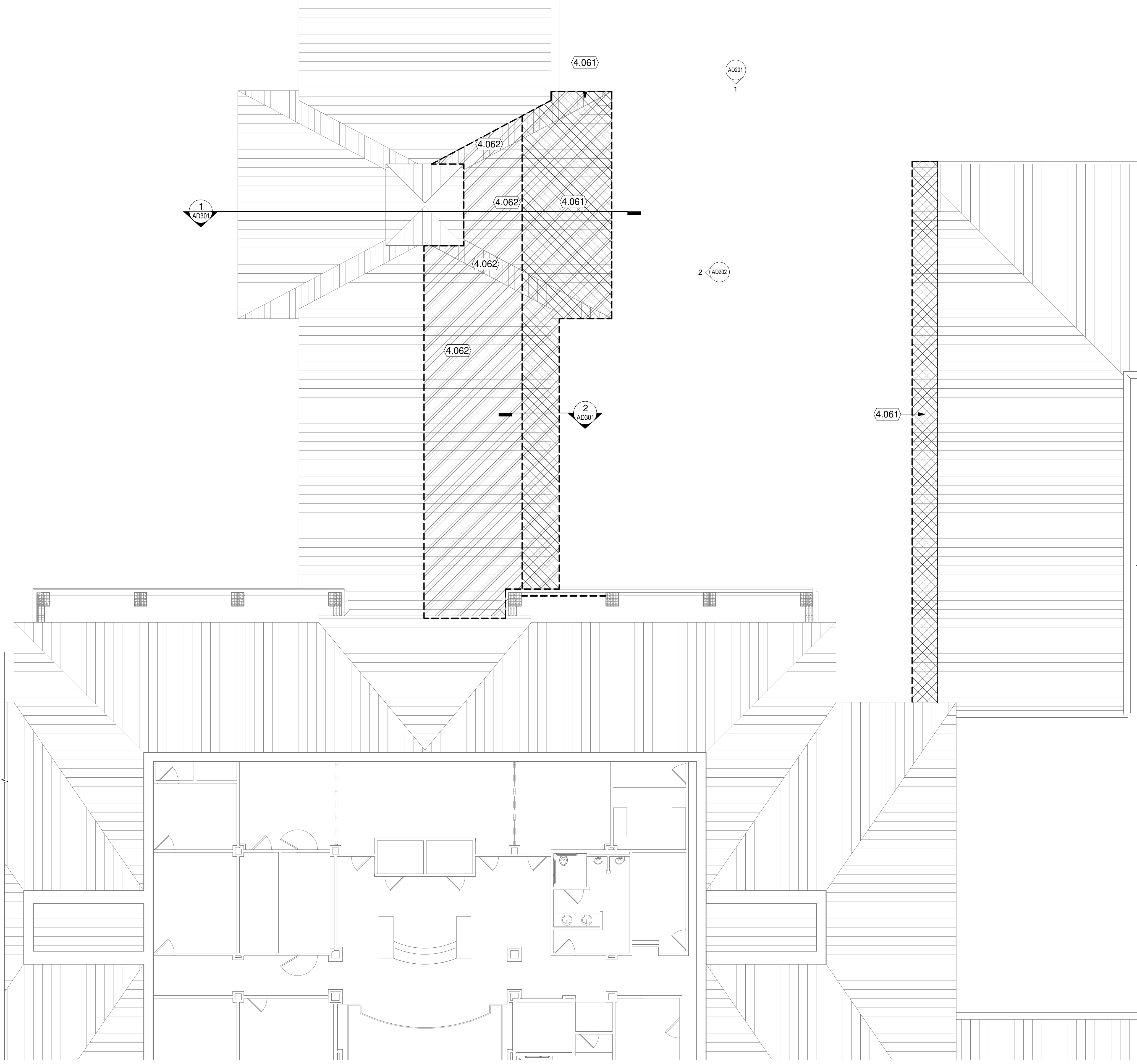
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SHEET CONTENTS
SECOND FLOOR
DEMOLITION PLAN
AREA B

SHEET NO.:

AD102

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DEMOLITION PLAN GENERAL NOTES:

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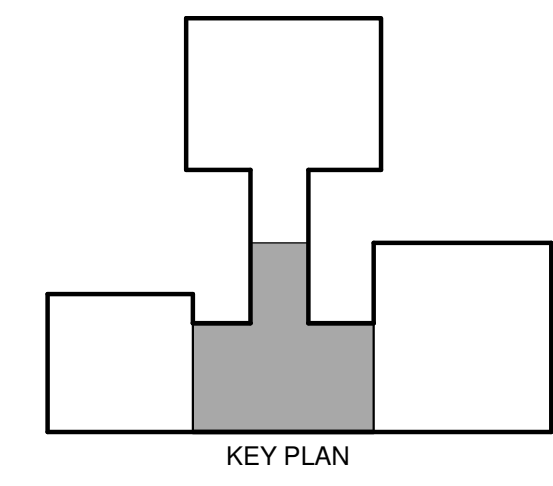
DEMOLITION LEGEND:

- EXISTING CONSTRUCTION TO REMAIN
- - - EXISTING CONSTRUCTION TO BE DEMOLISHED, TYP (U.N.O.)
- ▨ EXISTING ROOFING TO BE DEMOLISHED
- ▩ EXISTING CEILING AND GRID TO BE DEMOLISHED

KEYED NOTES

- 4.061 PORTION OF STANDING SEAM METAL ROOF WITHIN CROSSHATCHED AREA TO BE DEMOLISHED IN ITS ENTIRETY INCLUDING SUBSTRATE AND STRUCTURAL MEMBERS. VERIFY WITH EXTENTS OF NEW WORK.
- 4.062 REMOVE ENTIRE STANDING SEAM ROOF PANEL. SUBSTRATE TO REMAIN. REPAIR WRB TO PREP FOR NEW PANEL. MAINTAIN INTEGRITY OF ALL ADJACENT MATERIAL TO REMAIN.

TRUE PLAN NORTH NORTH
1 ROOF DEMOLITION PLAN
1/8" = 1'-0"



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ROOF DEMOLITION PLAN

SHEET NO.:

AD105



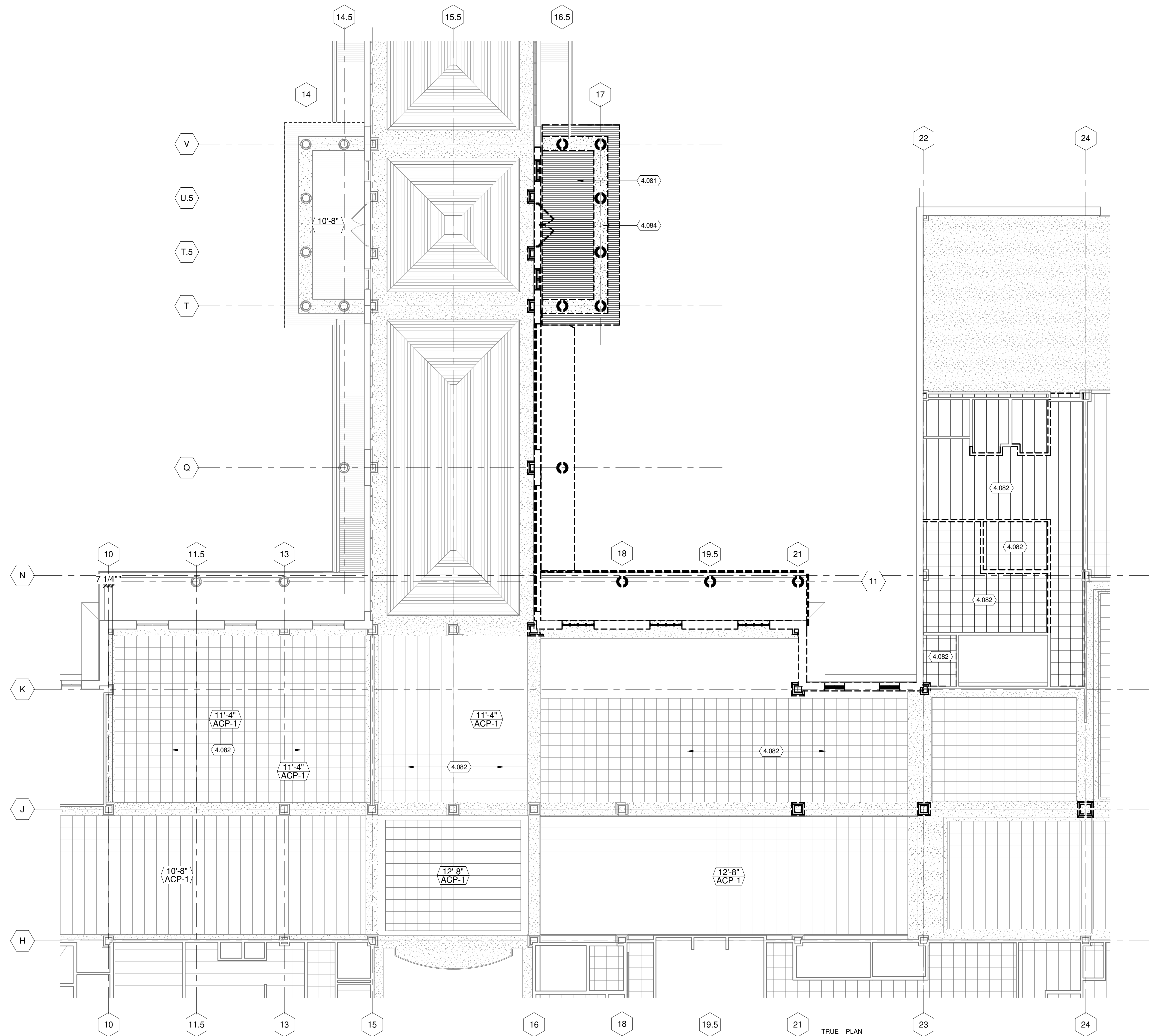
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KEYED NOTES

- 4.081 DEMOLISH VENTED VINYL SOFFIT
- 4.082 DEMOLISH ACOUSTICAL TILE & GRID
- 4.084 DEMOLISH GYPSUM BOARD SOFFIT & SUPPORT FRAMING



TRUE PLAN NORTH NORTH
REFLECTED CEILING DEMOLITION PLAN
1/8" = 1'-0"

**AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION**

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DRAWN BY: SJL
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SHEET CONTENTS
FIRST FLOOR
REFLECTED CEILING
DEMOLITION PLAN

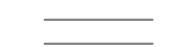



SHEET NO.:

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KEYED NOTES

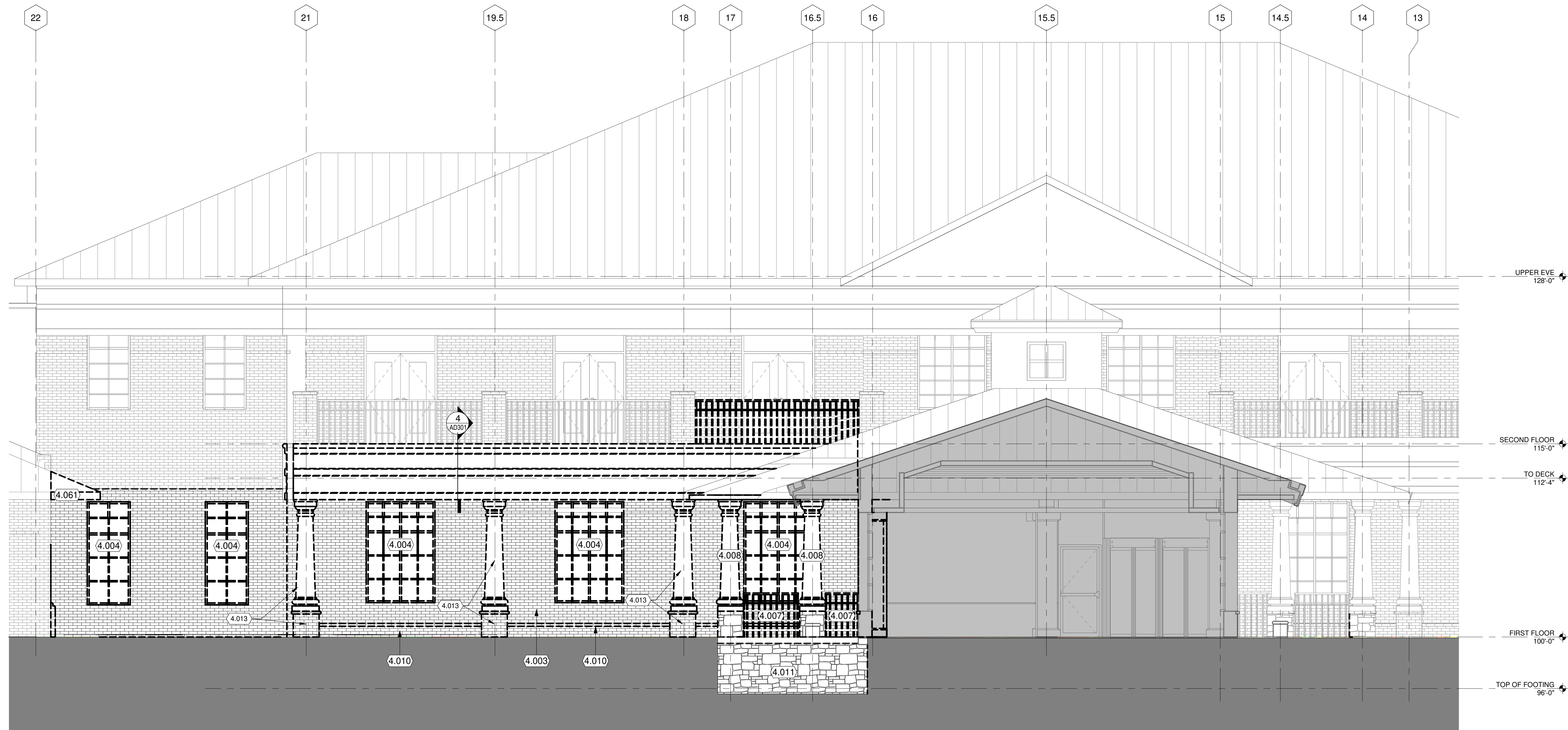
- 4.003 DEMOLISH WALL
- 4.004 DEMOLISH WINDOW
- 4.007 DEMOLISH METAL RAILING
- 4.008 DEMOLISH COLUMN
- 4.010 DEMOLISH PLANTER
- 4.011 DEMOLISH STONE WALL WITH MASONRY BACKUP.
- 4.013 DEMOLISH COLUMN WRAP & BRICK BASE. STRUCTURAL COLUMN TO REMAIN
- 4.061 PORTION OF STANDING SEAM METAL ROOF WITHIN CROSSHATCHED AREA TO BE DEMOLISHED IN ITS ENTIRETY INCLUDING SUBSTRATE AND STRUCTURAL MEMBERS. VERIFY WITH EXTENTS OF NEW WORK.

DEMOLITION LEGEND:

-  EXISTING CONSTRUCTION TO REMAIN
-  EXISTING CONSTRUCTION TO BE DEMOLISHED, TYP (U.N.O.)
-  EXISTING ROOFING TO BE DEMOLISHED
-  EXISTING CEILING AND GRID TO BE DEMOLISHED

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1 EAST - DEMOLITION SECTION
1/4" = 1'-0"





KEYED NOTES

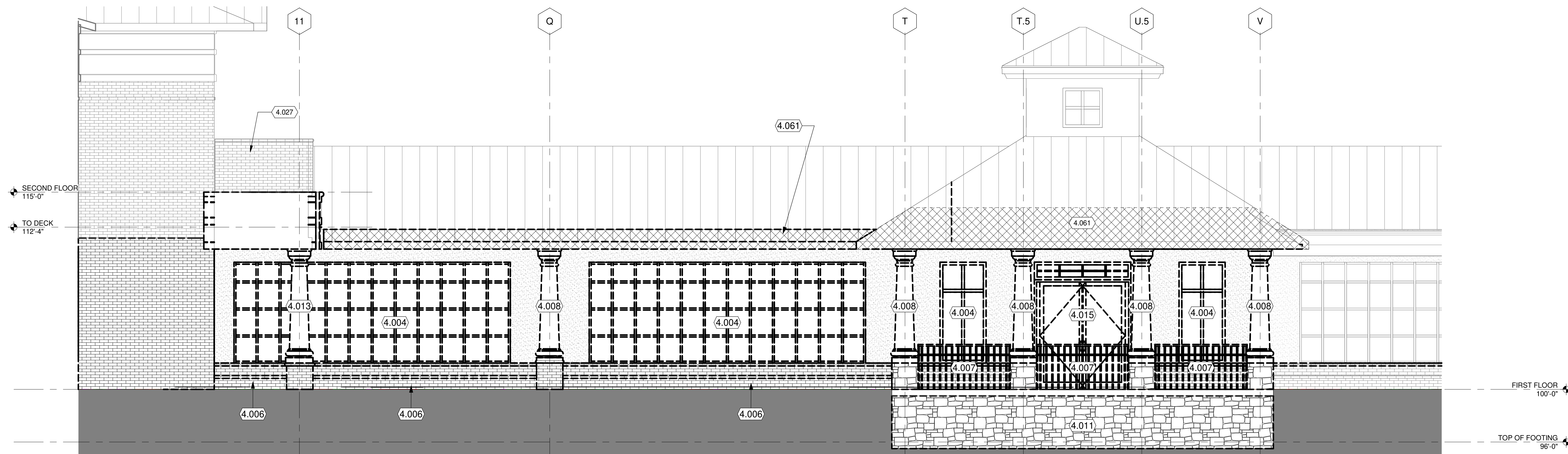
- 4.004 DEMOLISH WINDOW
- 4.006 DEMOLISH MASONRY LANDSCAPE WALL AND CAP
- 4.007 DEMOLISH METAL RAILING
- 4.008 DEMOLISH COLUMN
- 4.011 DEMOLISH STONE WALL WITH MASONRY BACKUP.
- 4.013 DEMOLISH COLUMN WRAP & BRICK BASE. STRUCTURAL COLUMN TO REMAIN
- 4.015 DEMOLISH DOOR AND TRANSOM
- 4.027 DEMO RAILING AND PREP FOR REMOVABLE RAILING TO BE INSTALLED FOR ROOF ACCESS.
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-  EXISTING ROOFING TO BE DEMOLISHED
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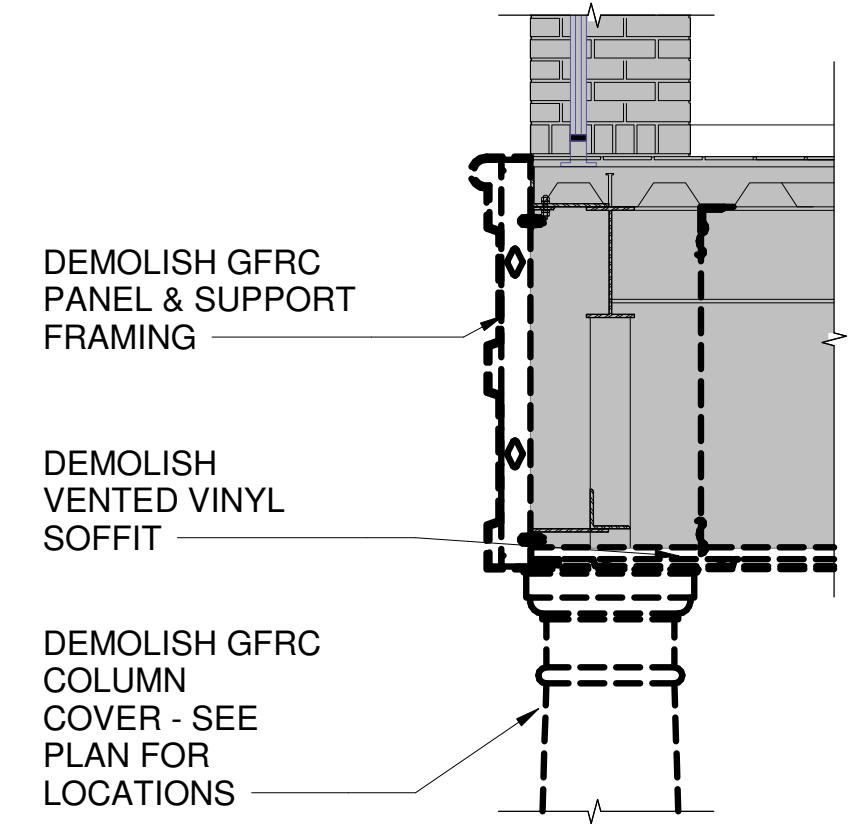
2 SOUTH - DEMO
1/4" = 1'-0"

DEMOLITION LEGEND:

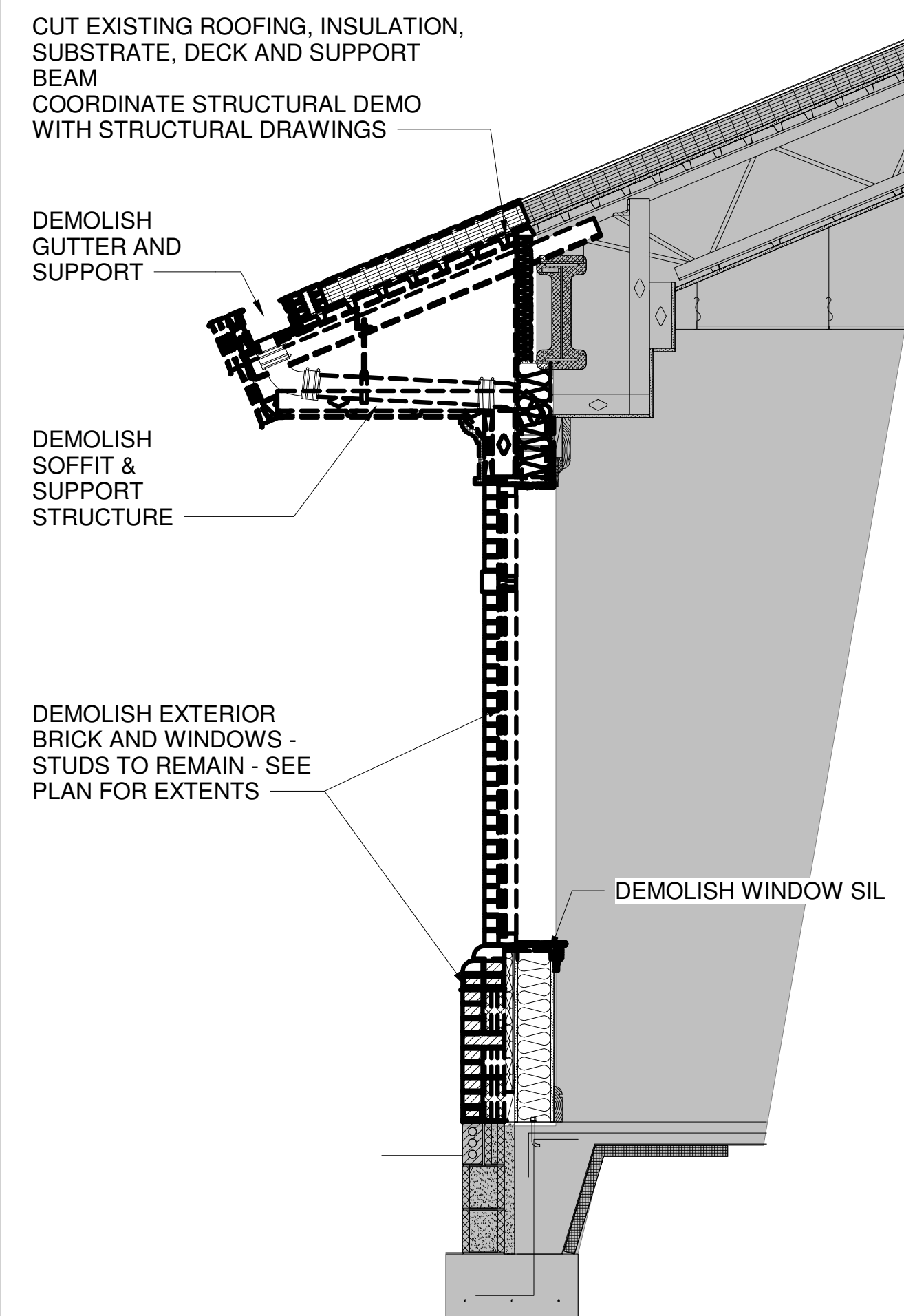
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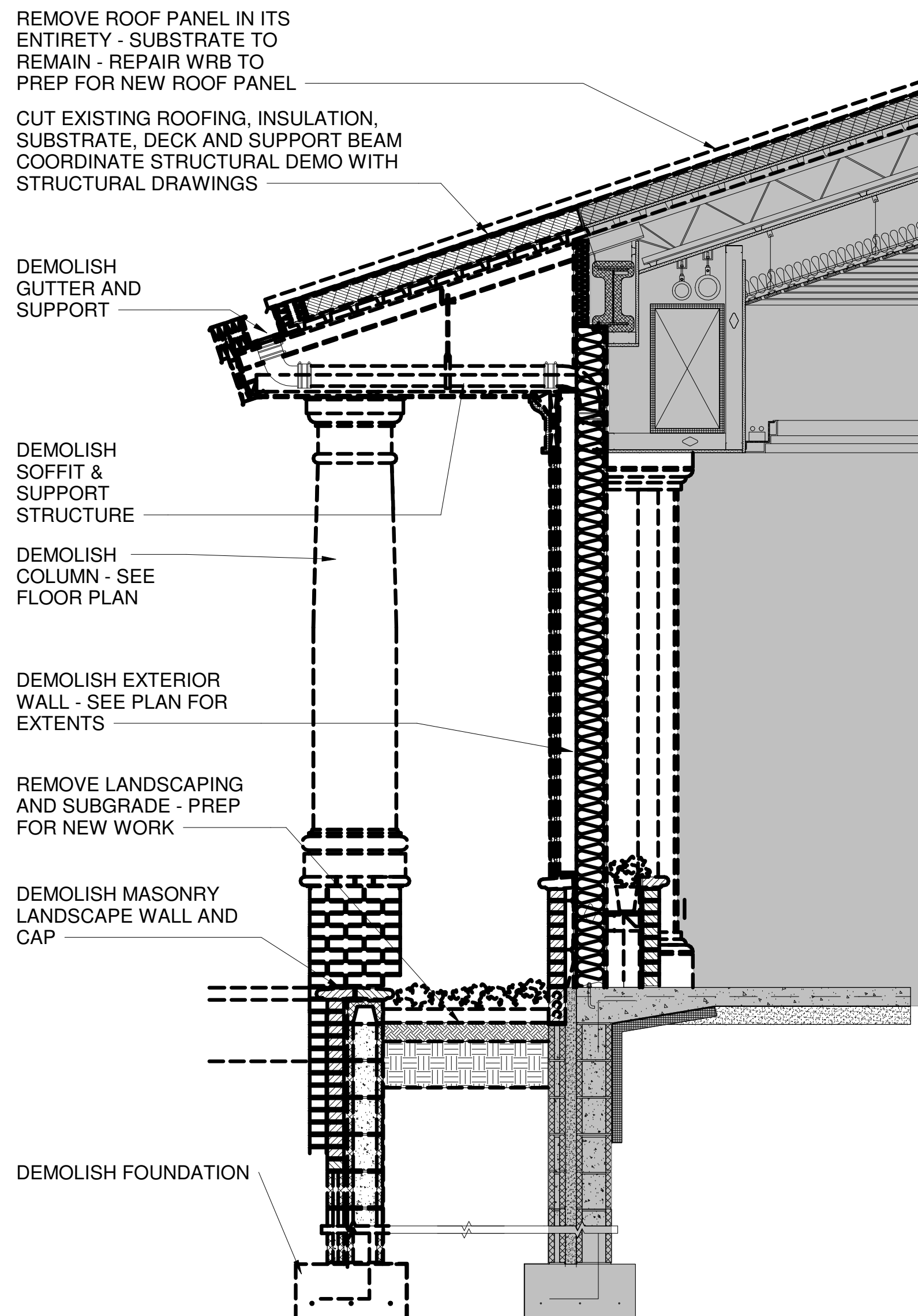
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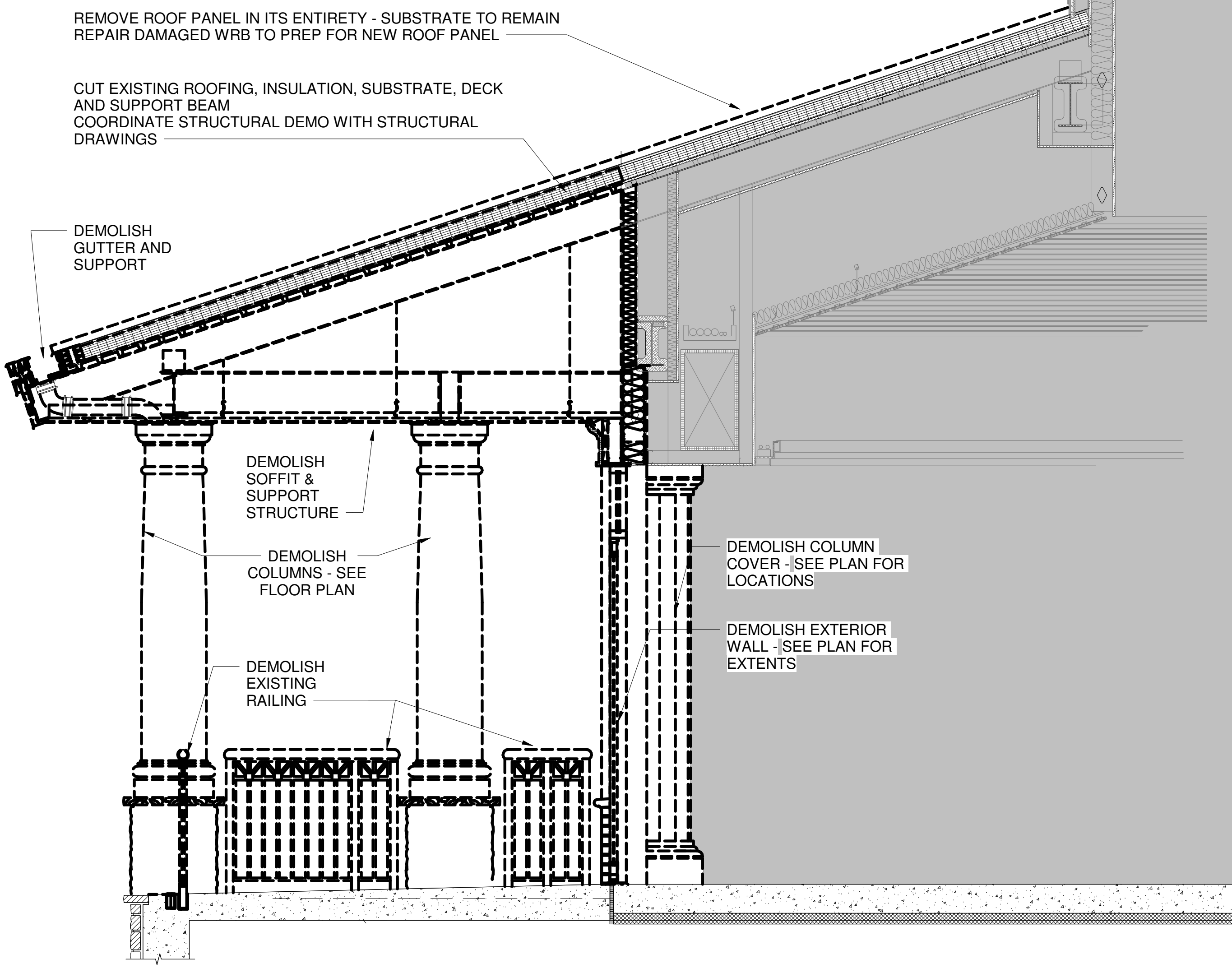
4 DEMOLITION SECTION @ EXISTING PORCH
1/2" = 1'-0"



3 DEMOLITION SECTION @ TICKETING WALL
1/2" = 1'-0"

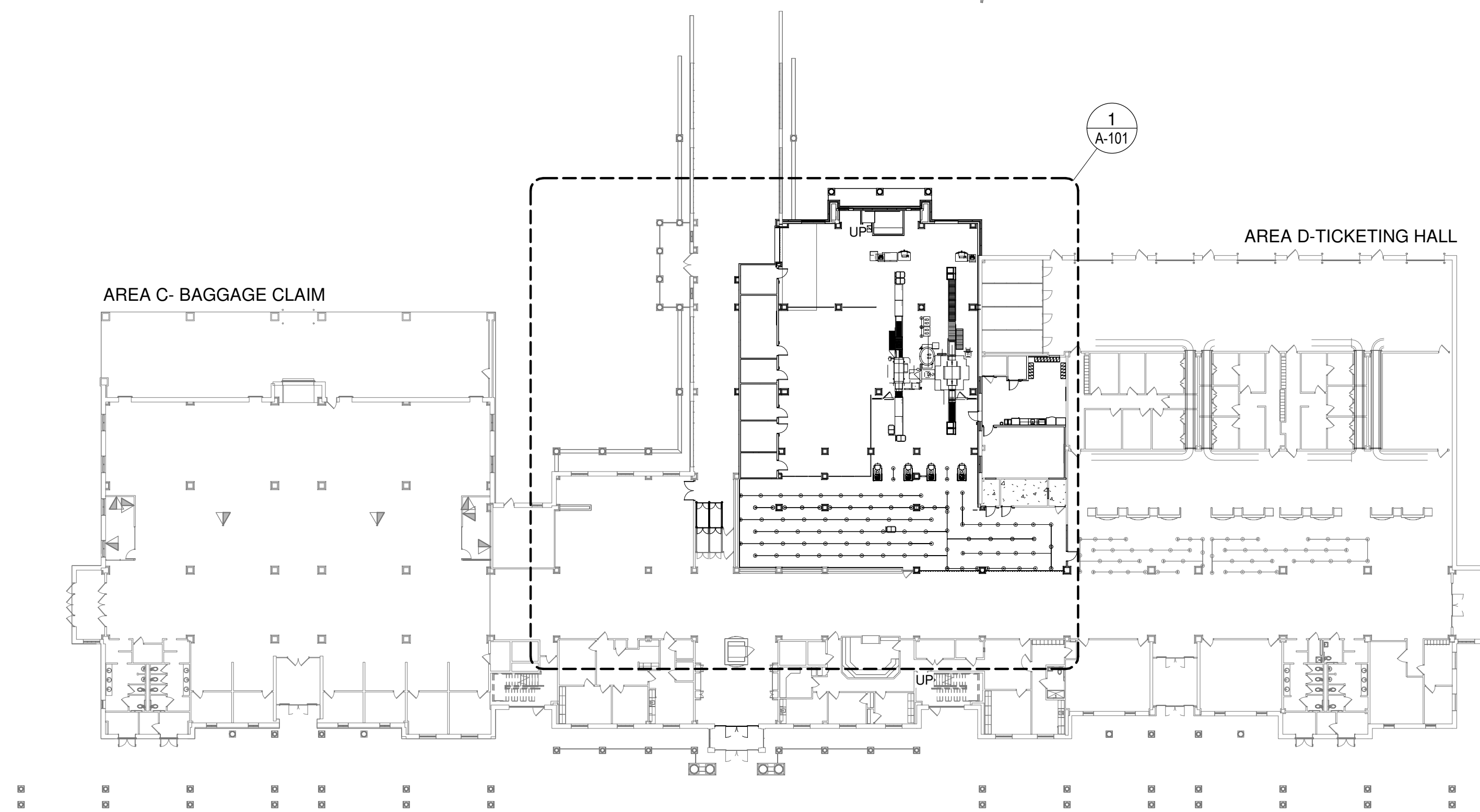


2 DEMOLITION SECTION @ EXISTING CONNECTOR
1/2" = 1'-0"



1 DEMOLITION SECTION @ EXISTING PATIO
1/2" = 1'-0"

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TRUE PLAN
NORTH NORTH
1 OVERALL TERMINAL FLOOR PLAN
1/32" = 1'-0"

FLOOR PLAN GENERAL NOTES:

1. FIELD VERIFY DIMENSIONS, BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR FINAL DECISION.
2. PARTITIONS SHALL BE TYPE "SA3" UNLESS OTHERWISE NOTED.
3. INTERIOR DIMENSIONS ARE FROM FINISH FACE OF WALLS (I.E. GYPSUM WALLBOARD OR CMU), UNLESS NOTED OTHERWISE.
4. FINISH FLOOR ELEVATIONS ARE TO THE TOP OF CONCRETE, UNLESS NOTED OTHERWISE.
5. REFERENCE SHEET G-002 FOR CODE, FIRE RATING, AND SEPARATION REQUIREMENTS.
6. COORDINATE THE INSTALLATION OF OWNER-SUPPLIED EQUIPMENT. REFERENCE PLANS, SPECS, AND INTERIOR ELEVATIONS FOR SPECIFIC EQUIPMENT AND ITS INSTALLATION REQUIREMENTS.
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8. CONCRETE SUB-FLOOR SHALL BE MADE LEVEL, PLUMB AND IN SOUND CONDITION AS REQUIRED FOR THE INSTALLATION OF FINAL FLOOR FINISHES, TYPICAL.
9. RECESSED CABINETS, PANELS, BOXES, ETC. LOCATED IN FIRE-RATED PARTITIONS SHALL BE INSTALLED IN A MANNER WHICH MAINTAINS THE FIRE RATED CONSTRUCTION.
10. SEE ENLARGED PLANS FOR NOTES, DIMENSIONS, AND WALL TYPES WITHIN THE DETAIL CALLOUT BOUNDARIES.
11. REFERENCE SHEET A-002 FOR INTERIOR PARTITION TYPES. INTERIOR PARTITION TAGS NOTED ENCOMPASS THE ENTIRE LENGTH OF WALL SHOWN TO CORNERS OF ROOM, OVER AND AROUND DOORWAYS SHOWN.
12. REFERENCE INTERIOR DRAWINGS FOR FINISHES PLAN.
13. REFERENCE SHEET A-800'S FOR SIGNAGE LAYOUTS AND COORDINATION REQUIREMENTS.
14. REFERENCE G - SHEETS FOR ALL CONSTRUCTION STAGING AND SEQUENCING PHASING REQUIREMENTS.

ALL WINDOW TAGS PLACED ON "EXTERIOR" SIDE OF GLAZING. REF WINDOW TYPES SHEET.

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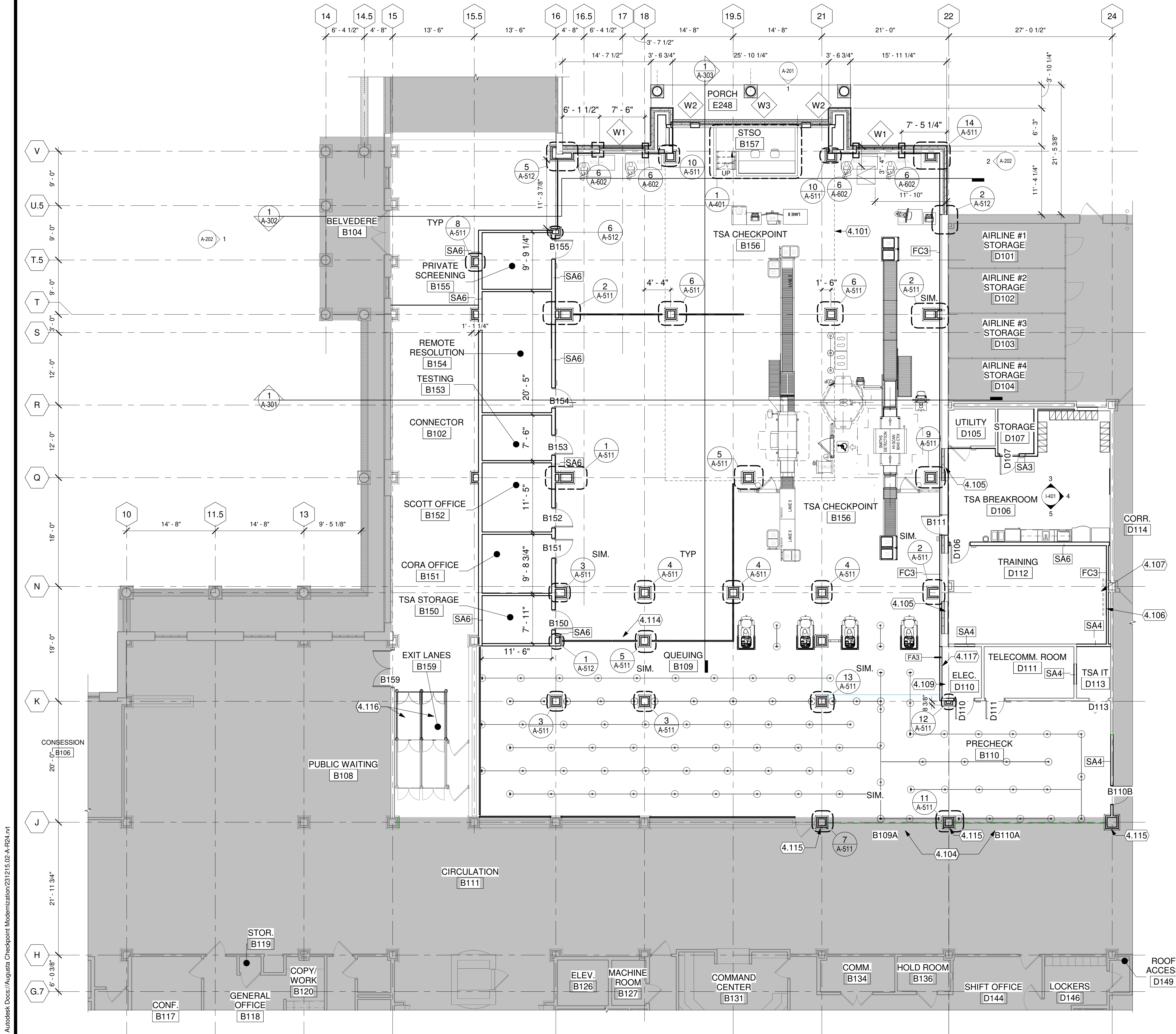
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SHEET CONTENTS
OVERALL FLOOR
PLAN

SHEET NO.:

A-100



FLOOR PLAN GENERAL NOTES:

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- ALL WINDOW TAGS PLACED ON "EXTERIOR" SIDE OF GLAZING. REF WINDOW TYPES SHEET.

KEYED NOTES

- 4.101 DASHED LINES REPRESENT ROOF MONITOR, ABOVE
- 4.104 NEW ROLL DOWN SECURITY GRILLS, SEE DOOR SCHEDULE
- 4.105 INFILL AT DEMOLISHED WINDOWS WITH STUDS AND DRYWALL, MATCH WITH NEW FINISHES. WINDOW OPENING 7'-0"H X 5'-4"W.
- 4.106 WALL MOUNTED WHITE BOARD, SEE INTERIORS
- 4.107 CEILING DROP DOWN PROJECTION SCREEN
- 4.109 SEE SHEET AD101. PORTION OF EXISTING WALL TO BE DEMOLISHED.
- 4.114 DECORATIVE RESIN PARTITIONS (RS-1) - REFER TO INTERIORS DRAWINGS
- 4.115 REBUILD COLUMN WRAPS TO SUPPORT ROLL DOWN SHUTTERS
- 4.116 ADD SECOND SECTIONS OF EXIT CONTROL DEVICES TO MATCH EXISTING
- 4.117 PLYWOOD LAYER. SEE SHEET A-002 FOR ADDITIONAL NOTES

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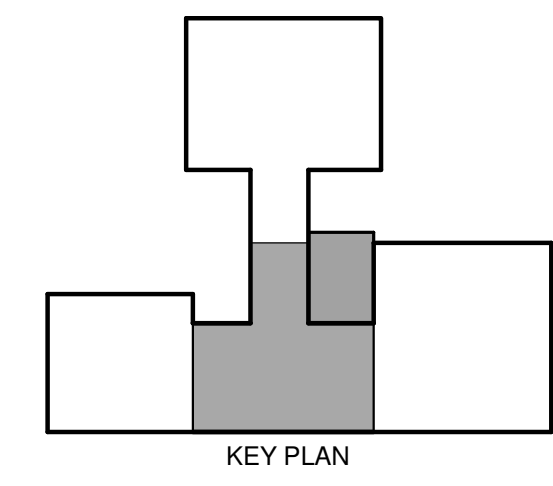
SHEET CONTENTS
 FIRST FLOOR PLAN

SHEET NO.:

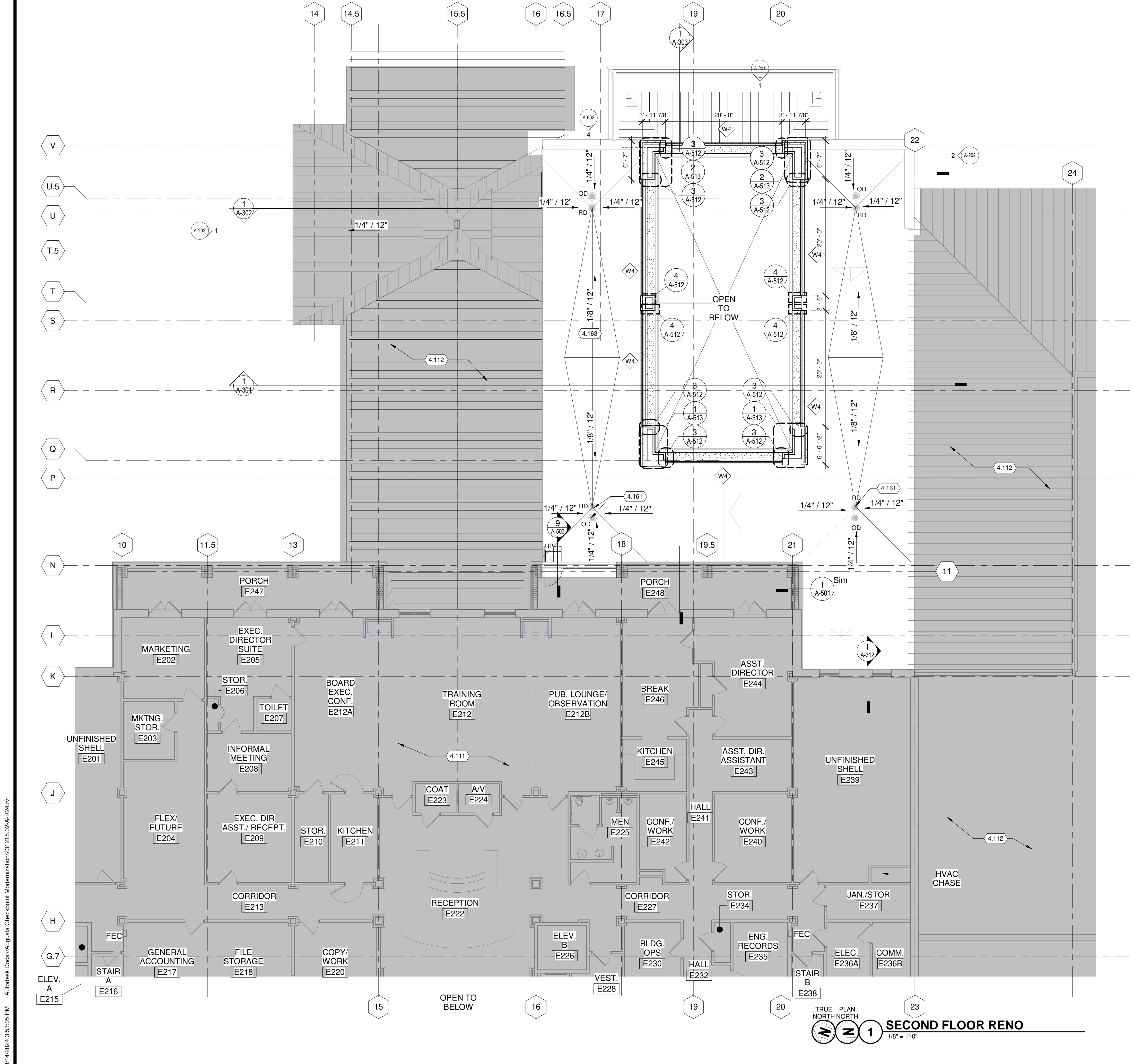
A-101

TRUE PLAN
 NORTH NORTH

FIRST FLOOR RENOVATION PLAN
 1/8" = 1'-0"



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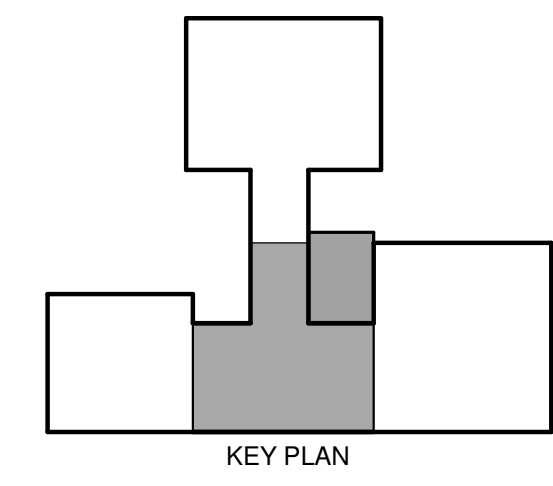
FLOOR PLAN GENERAL NOTES:

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 - REFERENCE G - SHEETS FOR ALL CONSTRUCTION STAGING AND SEQUENCING PHASING REQUIREMENTS.
- ALL WINDOW TAGS PLACED ON "EXTERIOR" SIDE OF GLAZING. REF WINDOW TYPES SHEET.

KEYED NOTES

- 4.111 NOT IN SCOPE (SHADED)
- 4.112 EXISTING ROOF BELOW
- 4.161 ROOF AND OVERFLOW DRAINS - SEE PLUMBING
- 4.163 SINGLE PLY MEMBRANE ROOF SYSTEM OVER TAPERED INSULATION, SEE SHEET A-003

TRUE PLAN NORTH NORTH
 1
SECOND FLOOR RENO
 1/8" = 1'-0"



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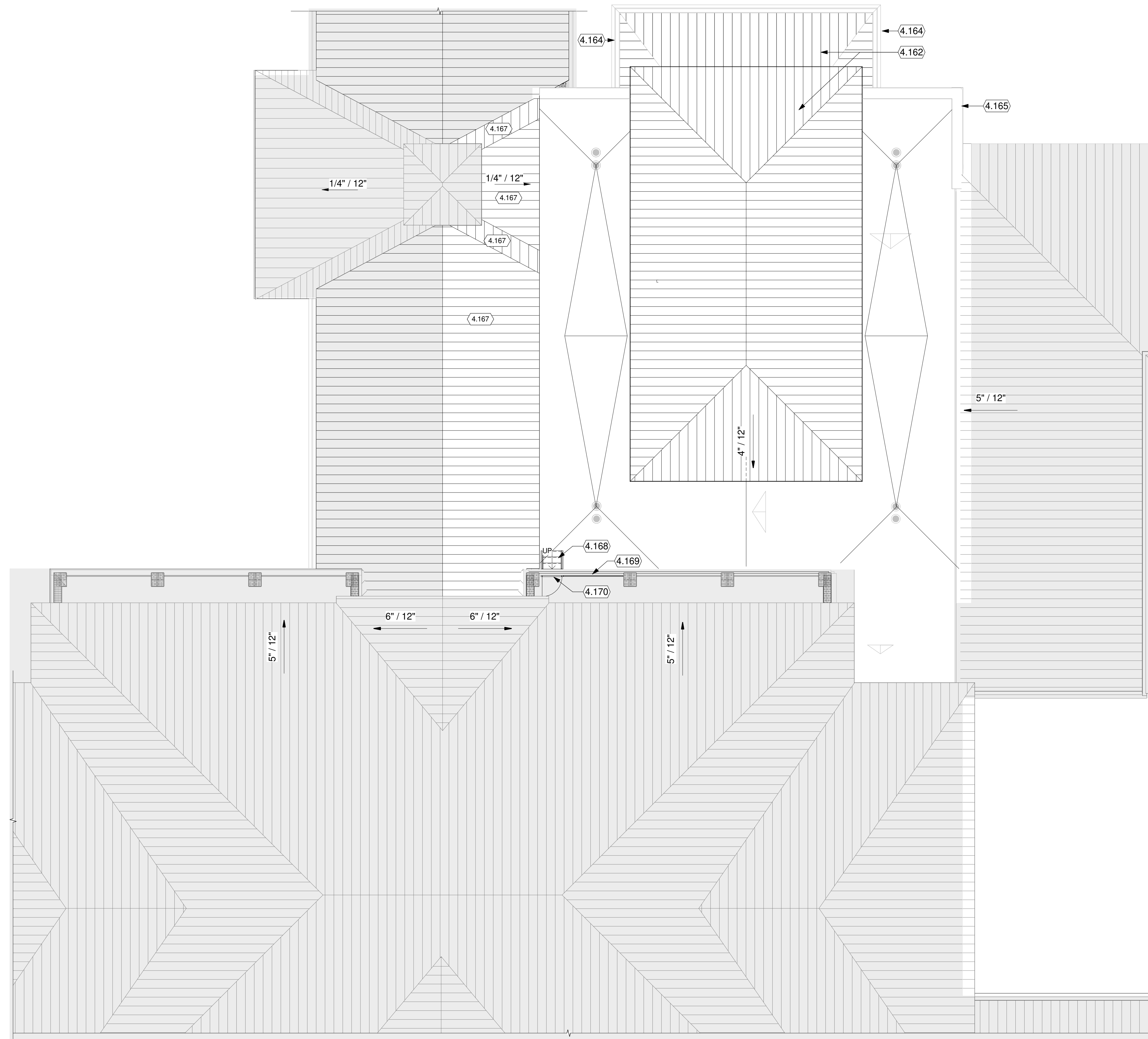
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 SHEET CONTENTS
**SECOND FLOOR
 PLAN**

SHEET NO.:

A-102

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KEYED NOTES

- 4.162 STANDING SEAM METAL ROOF, SEE SHEET A-003
- 4.164 RECESSED GUTTER, SEE SECTION 1/A-303
- 4.165 METAL COPING
- 4.167 PROVIDE NEW STANDING SEAM METAL ROOF PANEL ON EXISTING SUBSTRATE.
- 4.168 NON-PENETRATING METAL ROOF ACCESS STAIR
- 4.169 NEW DECORATIVE METAL GUARDRAIL TO MATCH EXISTING
- 4.170 NEW DECORATIVE METAL GATE TO MATCH EXISTING GUARDRAIL

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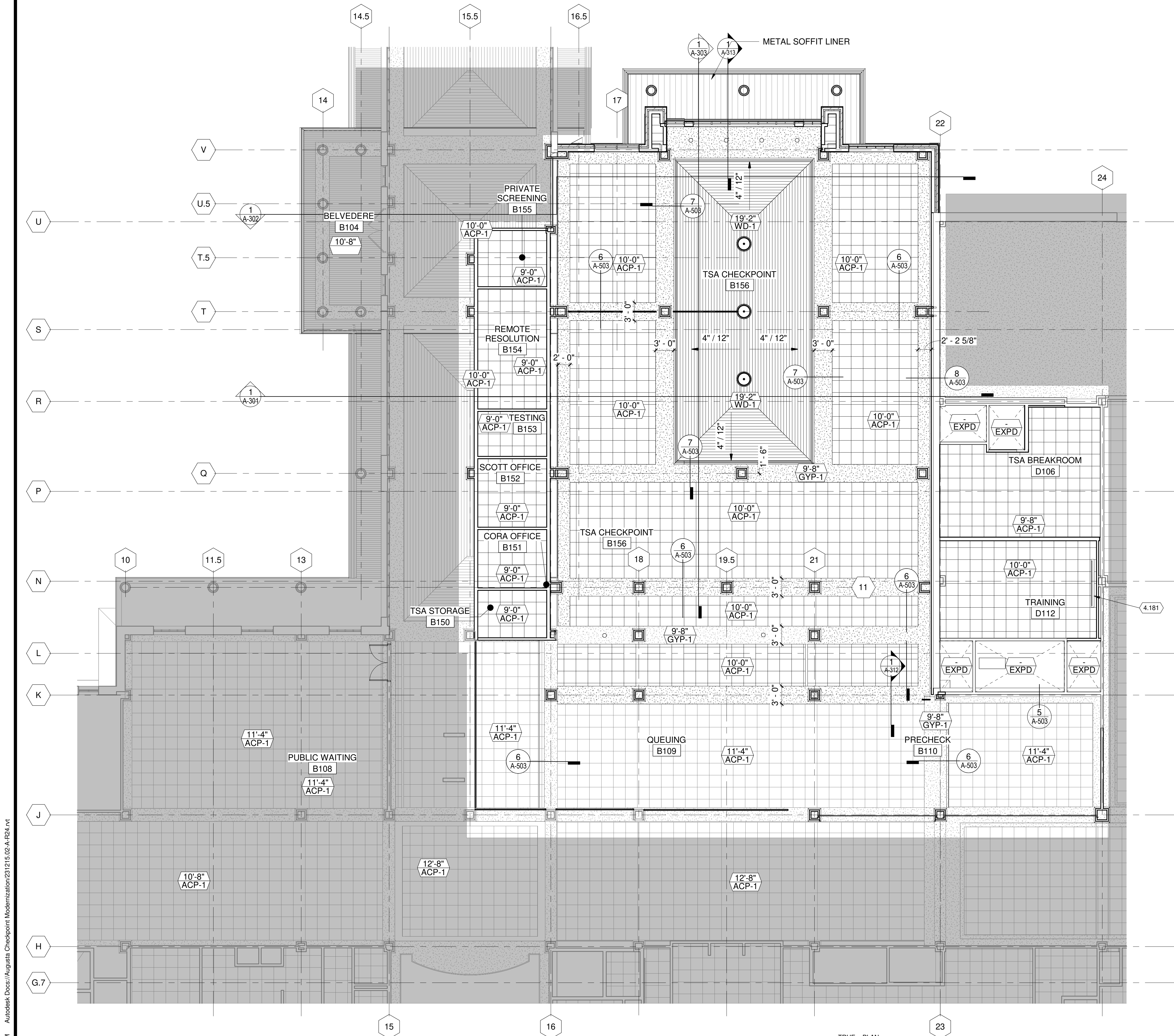
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SHEET CONTENTS
ROOF PLAN

SHEET NO.:

A-105

TRUE PLAN
NORTH NORTH
 2 **ROOF RENOVATION PLAN**
1/8" = 1'-0"



CEILING PLAN GENERAL NOTES:

1. FIELD VERIFY ALL DIMENSIONS, BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT FOR FINAL DECISION.
2. CENTER ALL RECESSED LIGHTS, SPRINKLERS, FIRE DETECTION EQUIPMENT, OCCUPANCY SENSORS, ETC. IN THE TILES UNLESS NOTED OTHERWISE.
3. PAINT EXISTING GYP SOFFITS PT-1. TYPICAL OF ALL SOFFITS IN AREA C AND AREA D.
4. ALL CEILING MOUNTED SPRINKLERS, SPEAKERS, CAMERAS, STROBES, GRILLES, ETC. TO REMAIN.
5. CLEAN AND PAINT ALL EXISTING TRIM IN PROJECT AREA PT-1 U.N.O.

CEILING PLAN LEGEND: SEE ELECTRICAL FOR EXACT FIXTURE MODEL

- N.I.C.
 - 2' x 2' SUSPENDED CEILING GRID
 - GYPSUM BOARD CEILING/ PORTLAND CEMENT PLASTER (PAINTED)
 - WOOD CEILING
 - LIGHT FIXTURE (RECESSED MOUNTED 4" WIDE OR LESS)
 - LIGHT FIXTURE (RECESSED MOUNTED)
 - LIGHT FIXTURE (RECESSED MOUNTED)
 - LIGHT FIXTURE (RECESSED CAN)
 - LIGHT FIXTURE (SURFACE MOUNTED)
 - LIGHT FIXTURE (SURFACE MOUNTED)
 - LIGHT FIXTURE (SUSPENDED)
 - LIGHT FIXTURE (SUSPENDED)
 - LIGHT FIXTURE (SUSPENDED)
 - CEILING RECEPTACLES
 - CEILING OCCUPANCY SENSOR
 - CEILING FIRE ALARM DEVICES
 - CEILING MASS NOTIFICATION DEVICE
 - CEILING SPEAKER
 - CEILING SECURITY STROBE
 - CEILING CAMERA
 - SPRINKLER HEADS
 - SUPPLY AIR DIFFUSER
 - RETURN AIR DIFFUSER / EXHAUST GRILL
 - EXHAUST FAN
- CEILING TYPE TAG**
- ELEVATION ABOVE FINISHED FLOOR
 - CEILING TYPE

KEYED NOTES

- 4.181 DROP DOWN PROJECTION SCREEN

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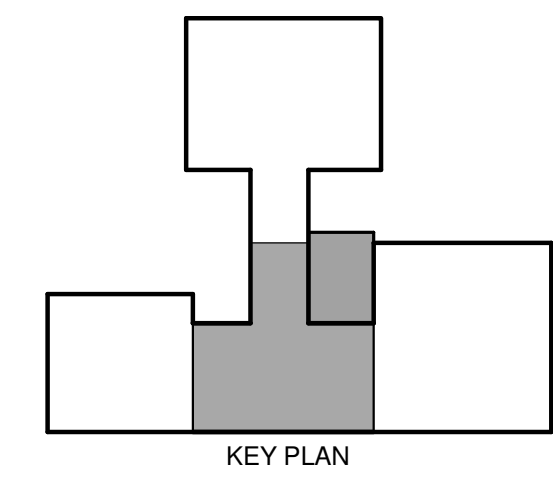
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 SHEET CONTENTS
 FIRST FLOOR AREA
 B RENO CEILING PLAN

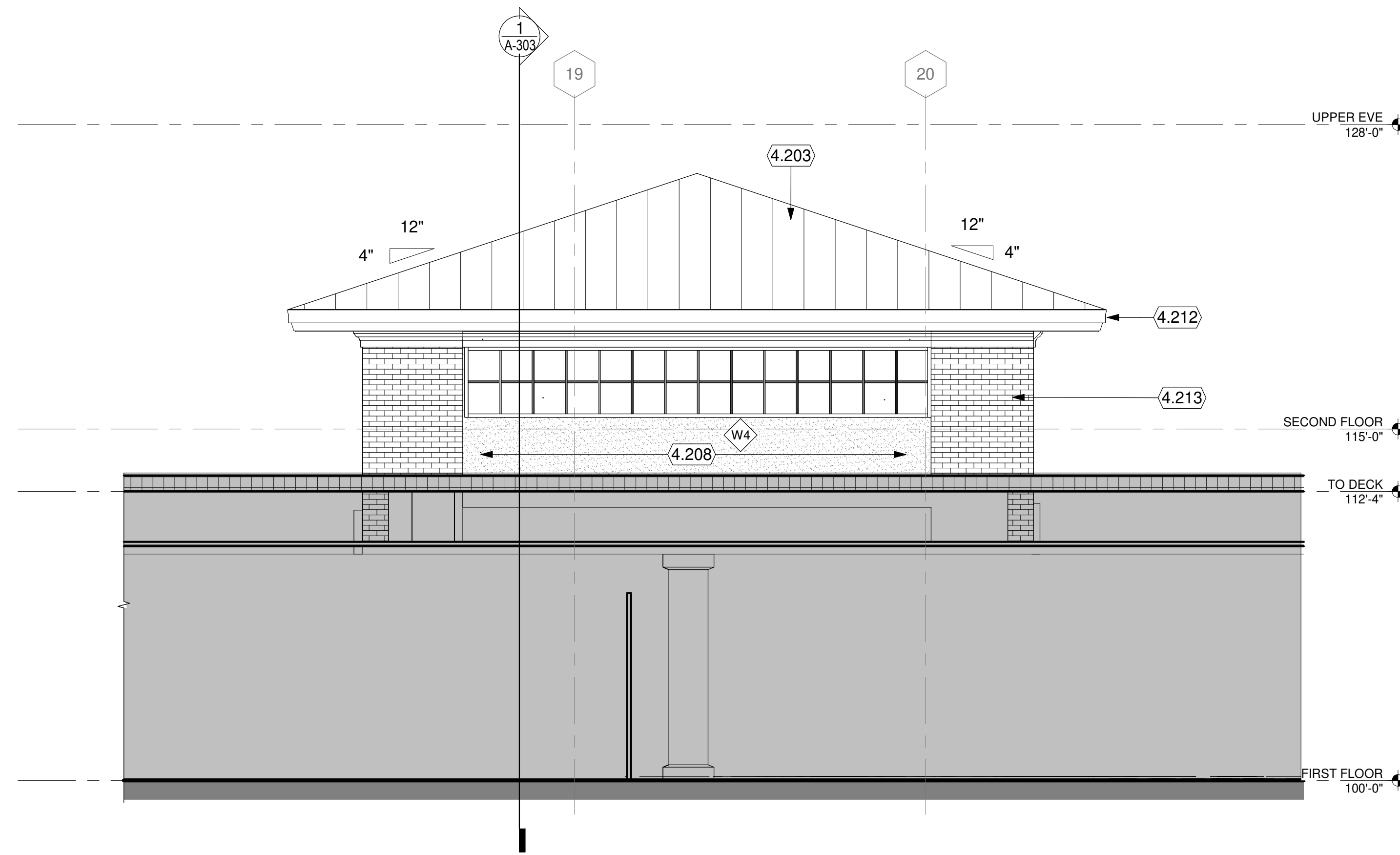
SHEET NO.:

A-121



TRUE PLAN NORTH NORTH
REFLECTED CEILING PLAN - AREA B - RENOVATION
 1/8" = 1'-0"

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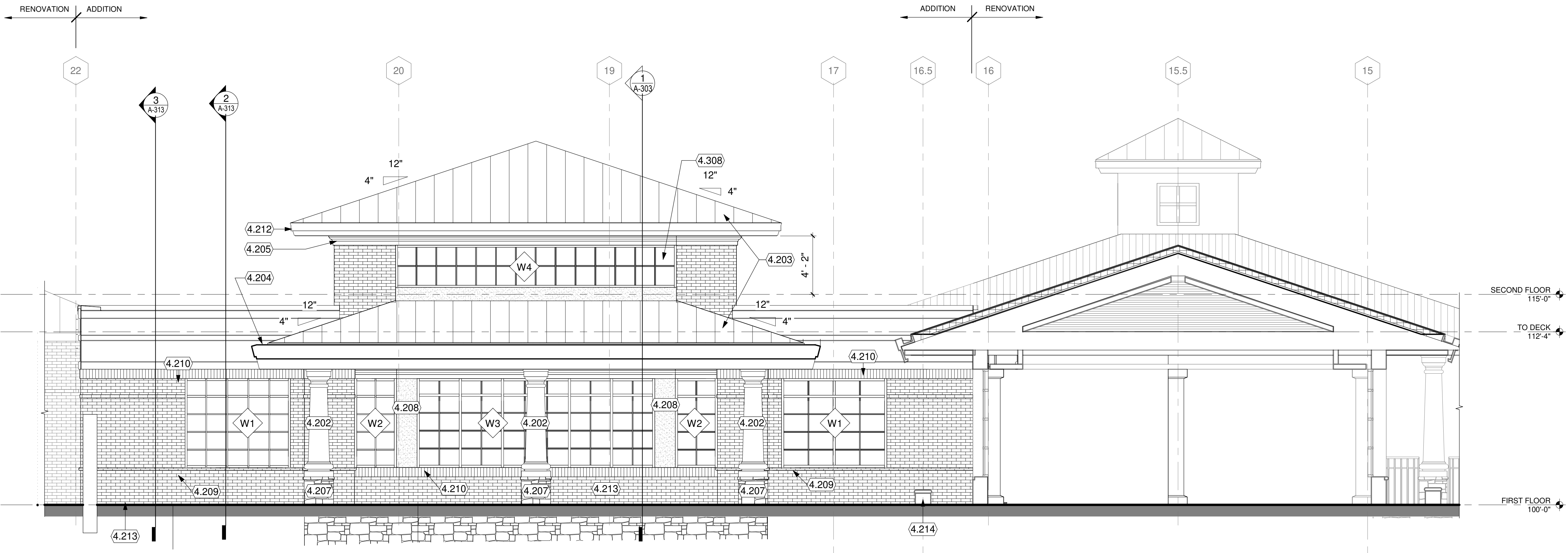
2 ROOF MONITOR - WEST ELEVATION
1/4" = 1'-0"

KEYED NOTES

- 4.202 GFRC COLUMN WRAP - SEE A-003 FOR PROFILE.
- 4.203 STANDING SEAM METAL ROOF ASSEMBLY TYPE RA-2.
- 4.204 RECESSED GUTTER, SEE SECTION 1/A-303
- 4.205 FASCIA, SEE SECTIONS AND DETAILS
- 4.207 STONE PIER TO MATCH EXISTING STONE
- 4.208 CEMENT PLASTER, WALL ASSEMBLY TYPE WA-2, COLOR TO MATCH EXISTING.
- 4.209 ROWLOCK BRICK, SEE SECTIONS AND DETAILS
- 4.210 SOLDIER COURSE BRICK, SEE SECTIONS AND DETAILS
- 4.212 METAL ROOF EAVE TRIM, TO MATCH EXISTING
- 4.213 BRICK VENEER, WALL ASSEMBLY TYPE WA-1, COLOR TO MATCH EXISTING
- 4.214 PLANTER WALL TO REMAIN
- 4.308 ALUMINUM STOREFRONT GLAZING WITH DIVIDED LITES

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1 CHECKPOINT EXPANSION - EAST ELEVATION
1/4" = 1'-0"



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SHEET CONTENTS
EXTERIOR
ELEVATIONS -
RENOVATIONS

SHEET NO.:



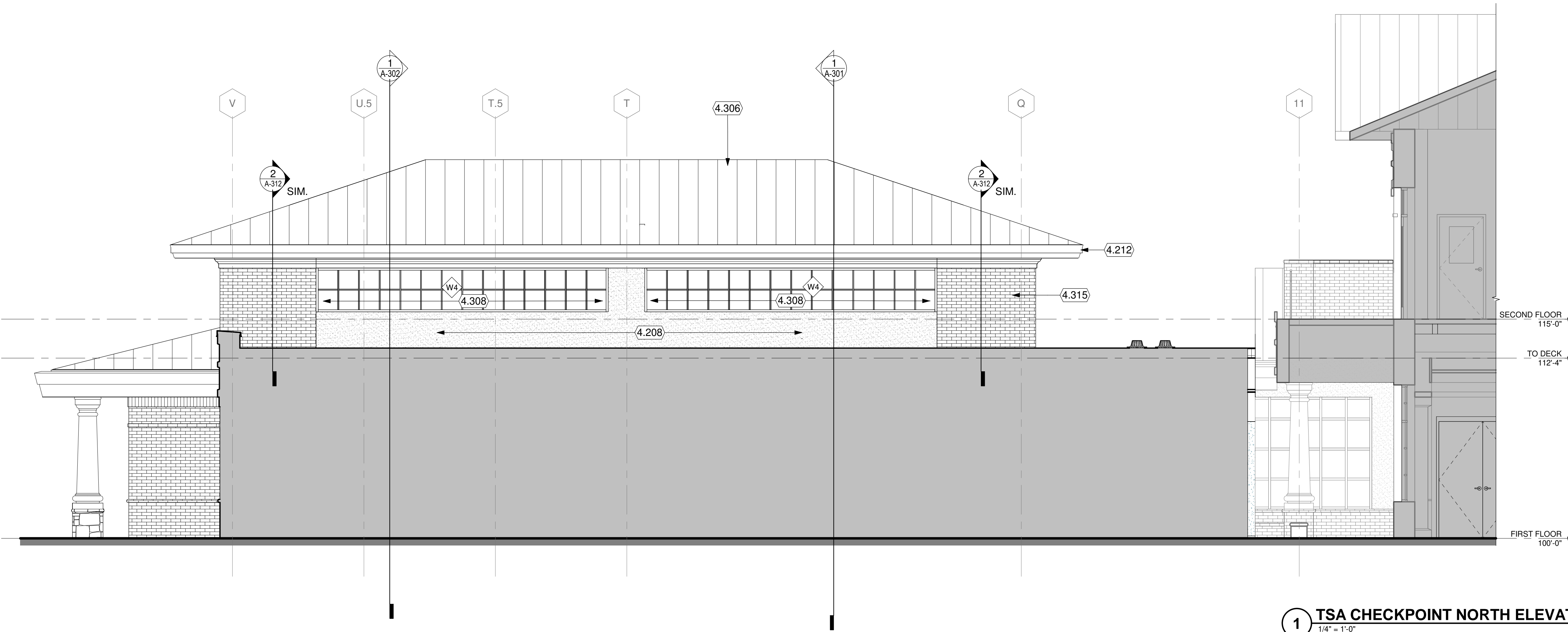
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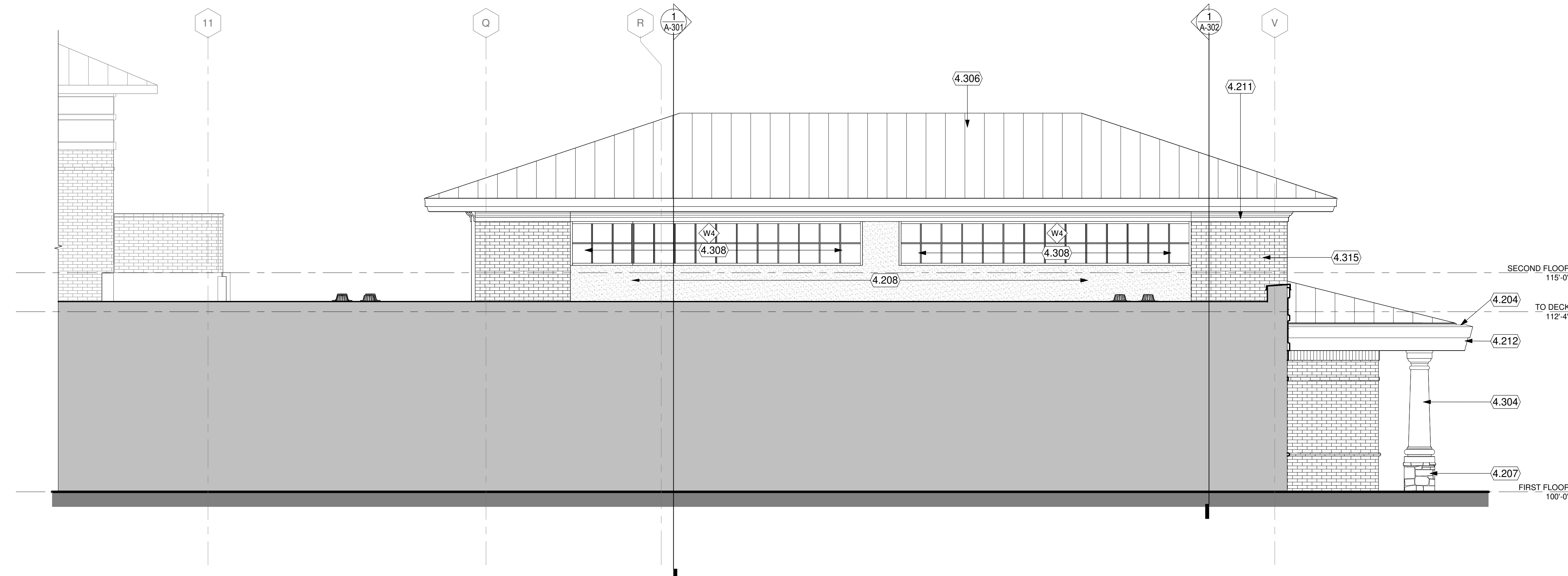


KEYED NOTES

- 4.204 RECESSED GUTTER, SEE SECTION 1/A-303
- 4.207 STONE PIER TO MATCH EXISTING STONE
- 4.208 CEMENT PLASTER, WALL ASSEMBLY TYPE WA-2, COLOR TO MATCH EXISTING.
- 4.211 GFRC CORNICE PANEL, SEE SECTIONS AND DETAILS
- 4.212 METAL ROOF EAVE TRIM, TO MATCH EXISTING
- 4.304 GFRC COLUMN COVER - SEE 6/A-003 FOR PROFILE.
- 4.306 STANDING SEAM ROOF ASSEMBLY, TYPE RA-2
- 4.308 ALUMINUM STOREFRONT GLAZING WITH DIVIDED LITES
- 4.315 BRICK VENEER, WALL ASSEMBLY TYPE WA-1



1 TSA CHECKPOINT NORTH ELEVATION
1/4" = 1'-0"



2 TSA CHECKPOINT SOUTH ELEVATION
1/4" = 1'-0"

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SHEET CONTENTS
EXTERIOR
ELEVATIONS -
RENOVATIONS

SHEET NO.:

A-202



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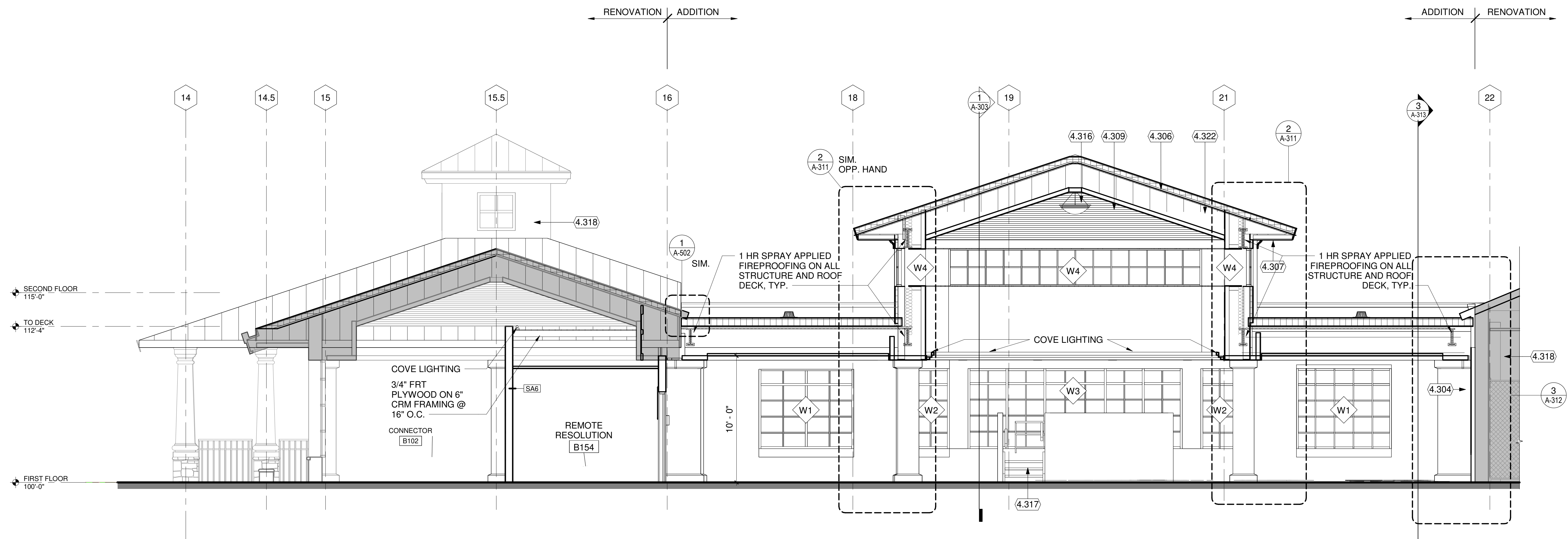
SHEET CONTENTS
BUILDING SECTIONS

SHEET NO.:

A-301

KEYED NOTES

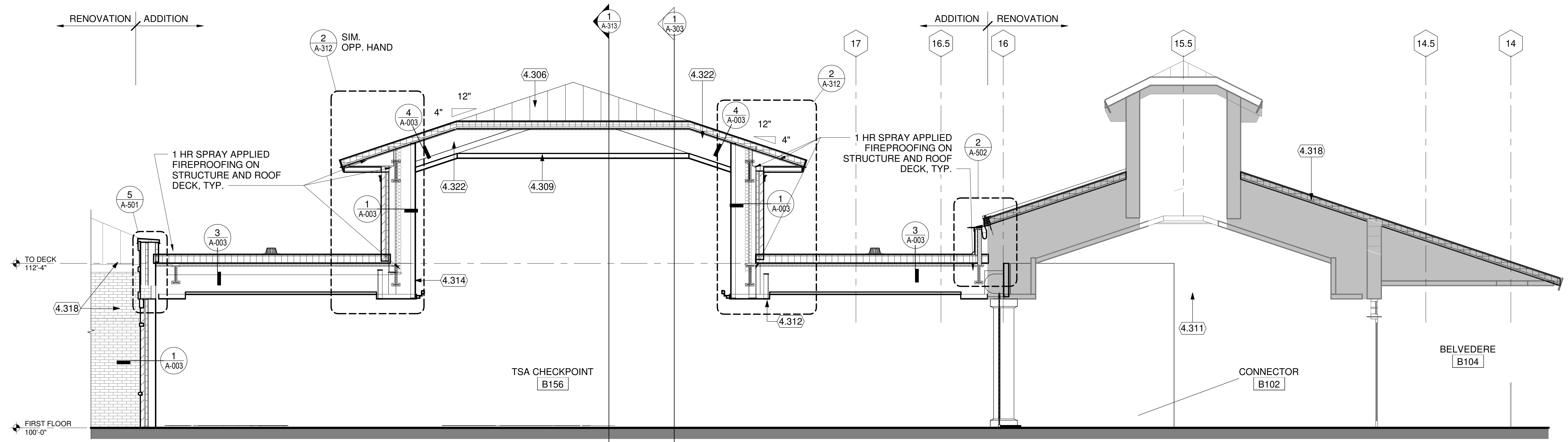
- 4.304 GFRC COLUMN COVER - SEE 6/A-003 FOR PROFILE.
- 4.306 STANDING SEAM ROOF ASSEMBLY, TYPE RA-2
- 4.307 VENTED SOFFIT PANEL
- 4.309 VAULTED LINEAR WOOD CEILING SYSTEM - SEE RCP
- 4.316 LIGHT FIXTURE - SEE ELECTRICAL
- 4.317 STAIR TO RAISED PLATFORM
- 4.318 EXISTING TO REMAIN
- 4.322 ROOF TRUSS - SEE STRUCTURAL



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

KEYED NOTES

- 4.306 STANDING SEAM ROOF ASSEMBLY, TYPE RA-2
- 4.309 VAULTED LINEAR WOOD CEILING SYSTEM - SEE RCP
- 4.311 CEILING SYSTEM - SEE RCP
- 4.312 GYP BD SOFFIT OR BULKHEAD - SEE RCP
- 4.314 INTERIOR PARTITION
- 4.318 EXISTING TO REMAIN
- 4.322 ROOF TRUSS - SEE STRUCTURAL



1 ADDITION SECTION THRU CONNECTOR-RENOVATION
1/4" = 1'-0"

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SHEET CONTENTS
BUILDING SECTIONS

SHEET NO.:

A-302



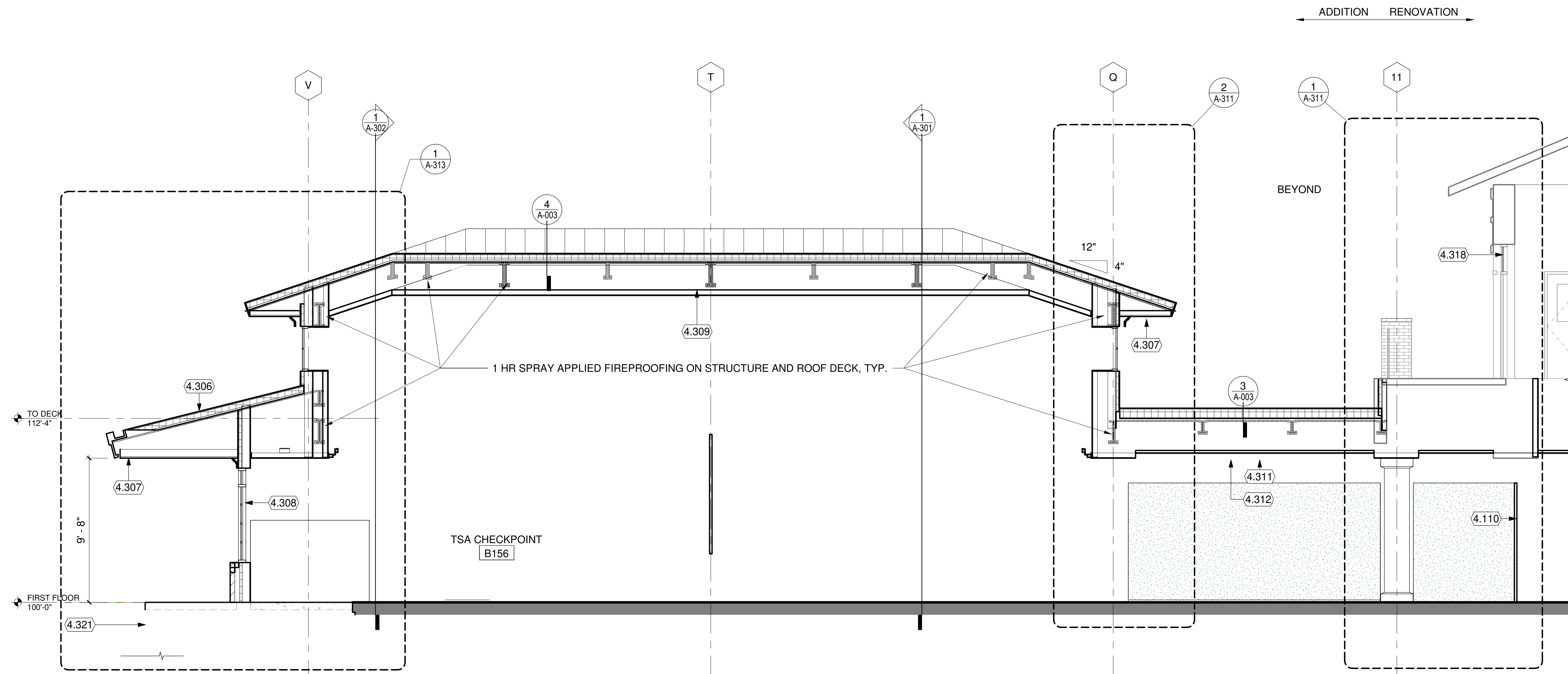
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KEYED NOTES

- 4.110 8'-0" HEIGHT TRANSLUCENT PARTITIONS
- 4.306 STANDING SEAM ROOF ASSEMBLY, TYPE RA-2
- 4.307 VENTED SOFFIT PANEL
- 4.308 ALUMINUM STOREFRONT GLAZING WITH DIVIDED LITES
- 4.309 VAULTED LINEAR WOOD CEILING SYSTEM - SEE RCP
- 4.311 CEILING SYSTEM - SEE RCP
- 4.312 GYP BD SOFFIT OR BULKHEAD - SEE RCP
- 4.318 EXISTING TO REMAIN
- 4.321 STONE VENEER TO MATCH EXISTING, OVER CIP CONC FOUNDATION WALL - SEE STRUCT



1 ADDITION SECTION THROUGH MONITOR ROOF
1/4" = 1'-0"

**AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION**

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED
09/13/24 BID SET

MSH NO.: 0119700-231215.02
DATE: 09/13/2024
DESIGNED BY: DR
DRAWN BY: CL
CHECKED BY: DR

DO NOT SCALE DRAWINGS
SHEET CONTENTS
BUILDING SECTIONS

SHEET NO.:

A-303



09/13/2024

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**AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION**

1501 AVIATION WAY, AUGUSTA, GA 30906

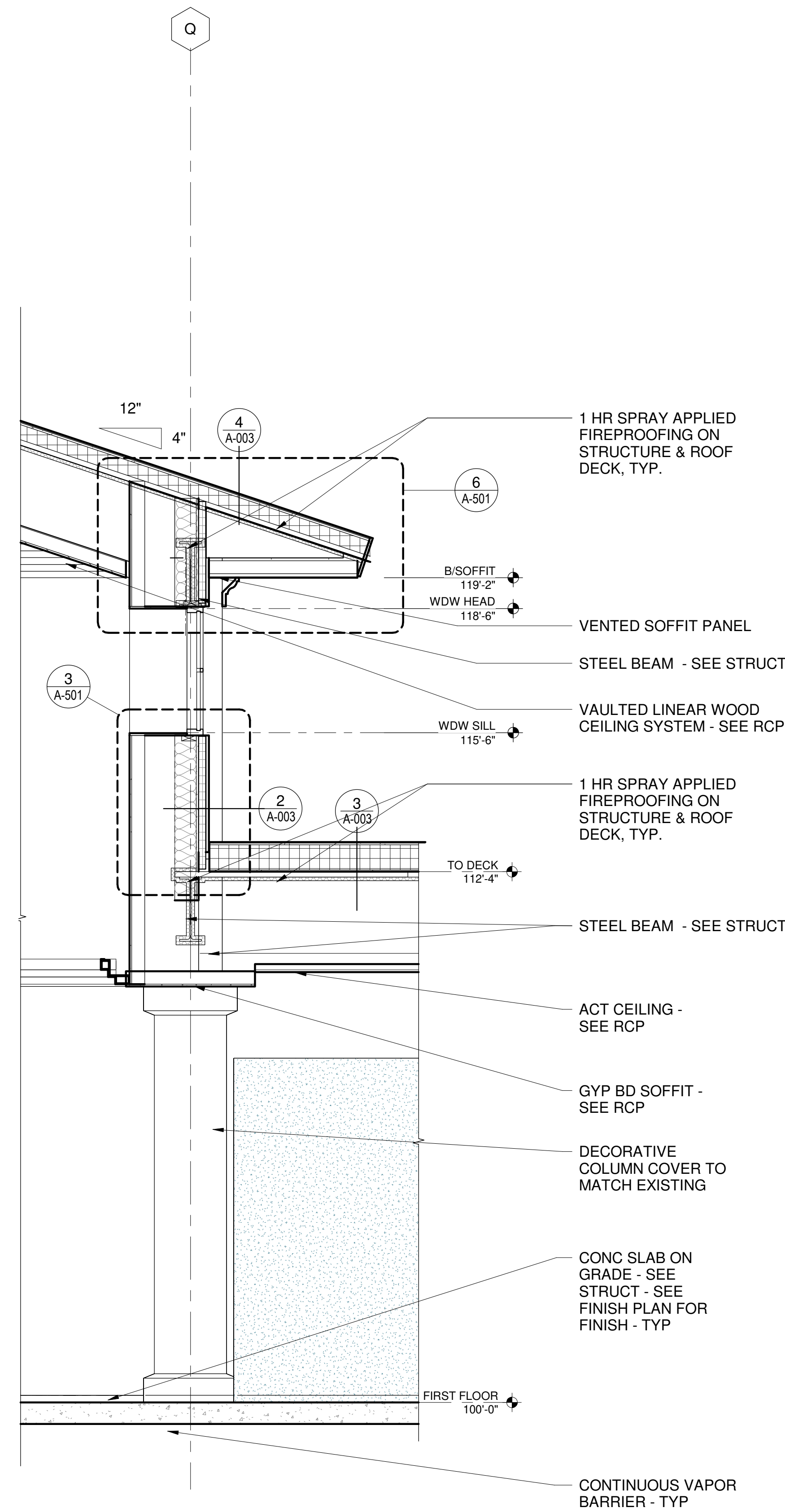
ISSUED
09/13/24 BID SET

MSH NO.: 0119700-231215.02
DATE: 09/13/2024
DESIGNED BY: DR
DRAWN BY: CL
CHECKED BY: DR
DO NOT SCALE DRAWINGS

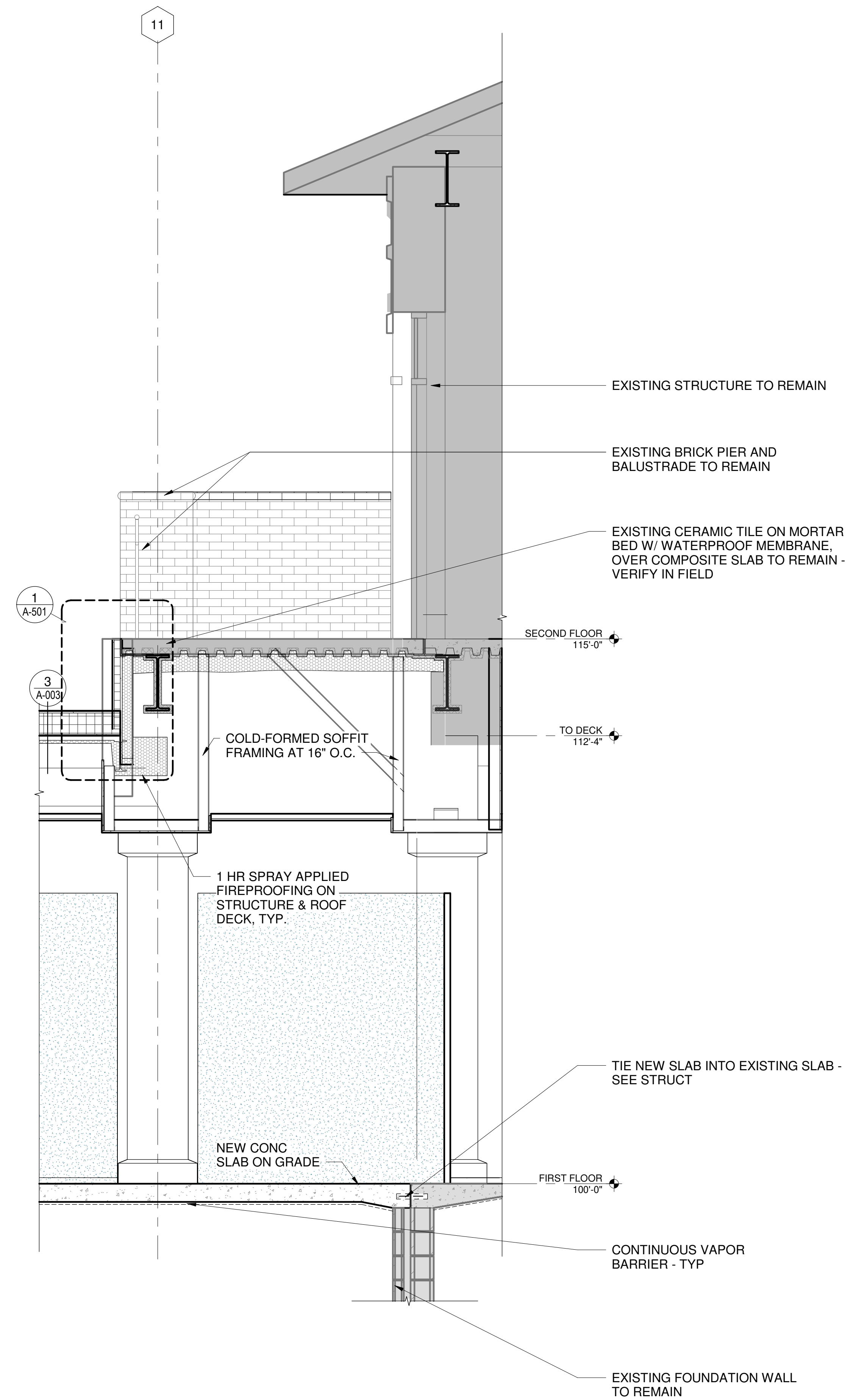
SHEET CONTENTS
WALL SECTIONS

SHEET NO.:

A-311



2 WALL SECTION
1/2" = 1'-0"



1 WALL SECTION
1/2" = 1'-0"



09/13/2024

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**AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION**

1501 AVIATION WAY, AUGUSTA, GA 30906

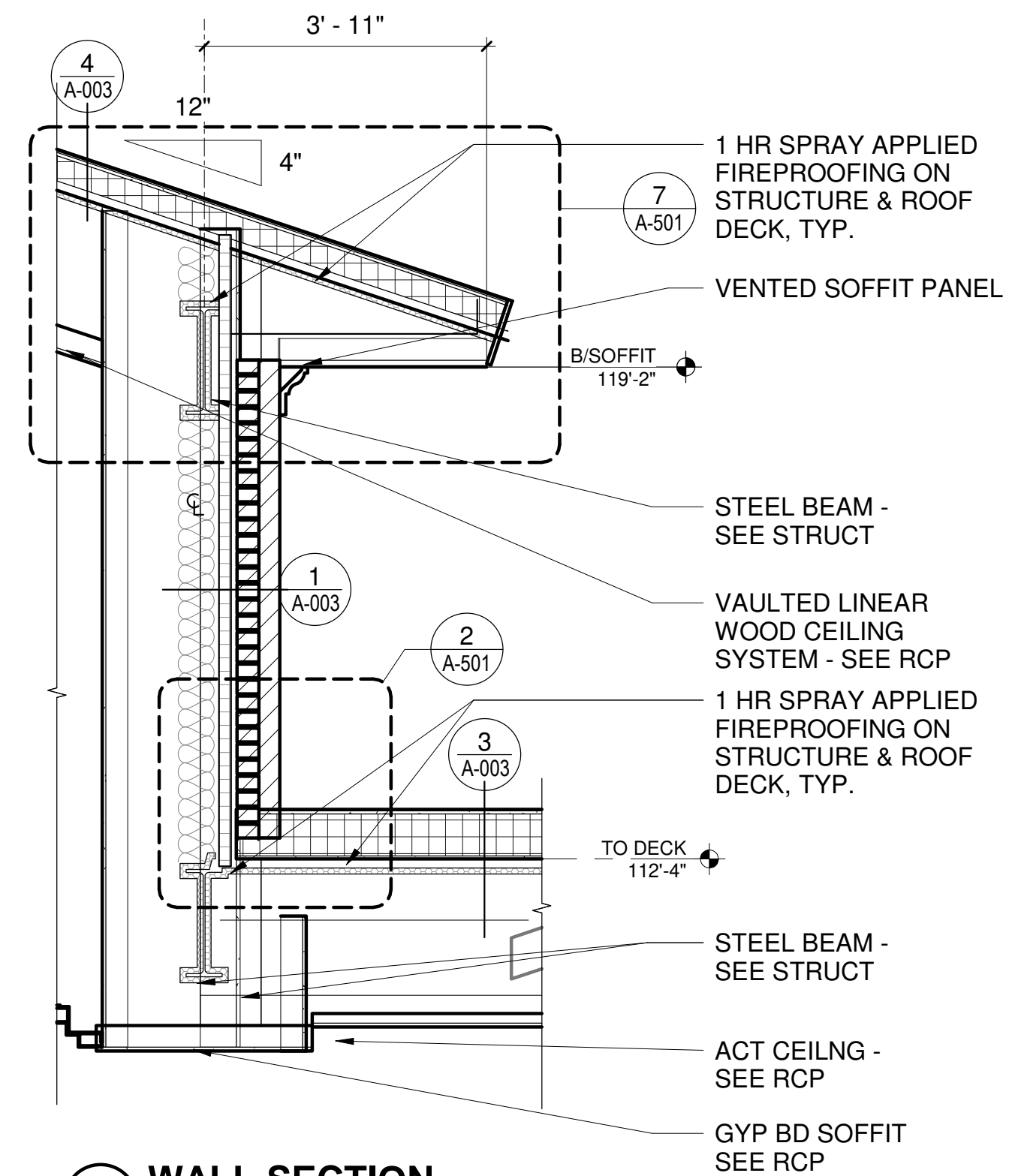
ISSUED
09/13/24 BID SET

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DATE: 09/13/2024
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
DO NOT SCALE DRAWINGS

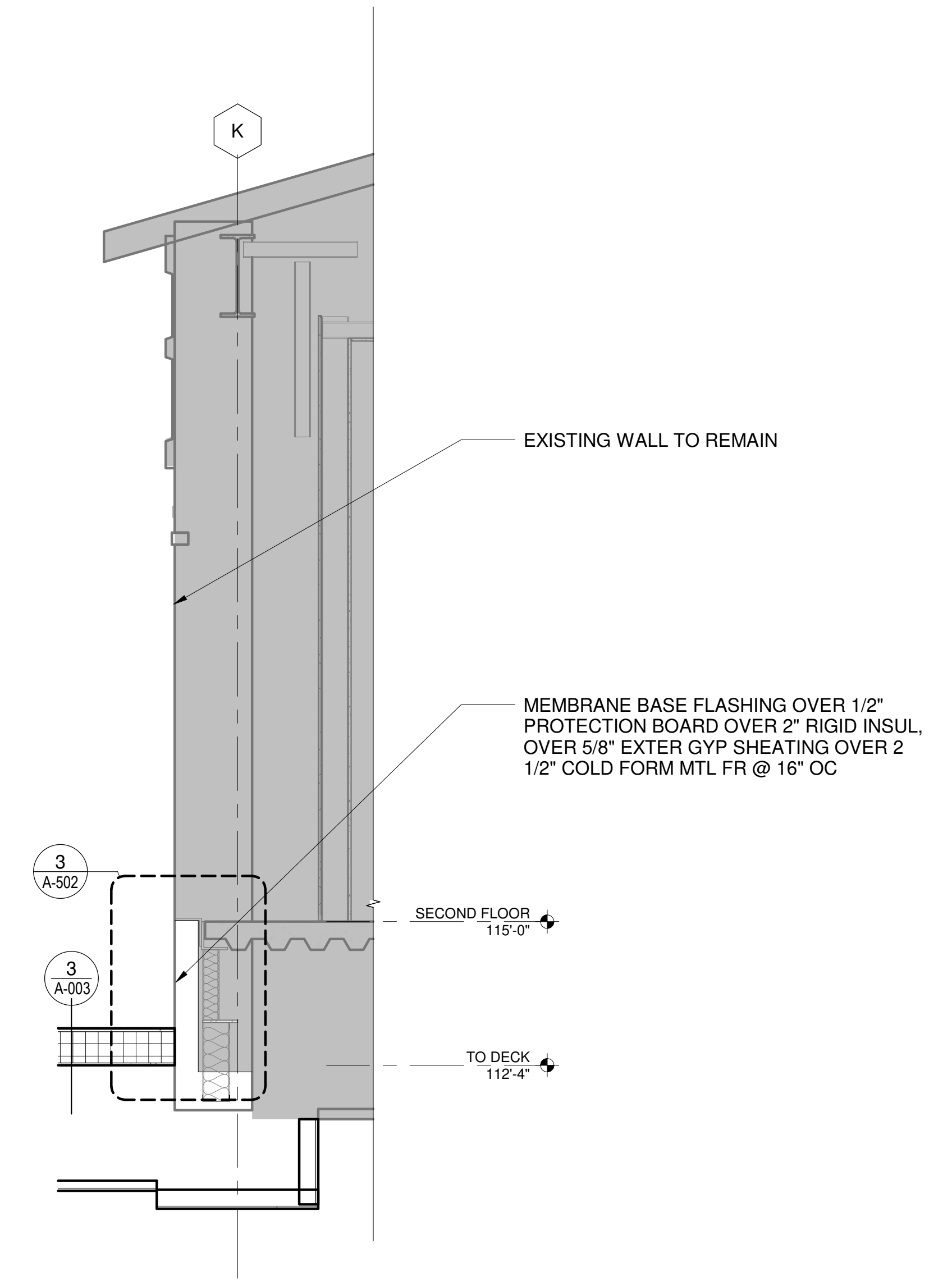
SHEET CONTENTS
WALL SECTIONS

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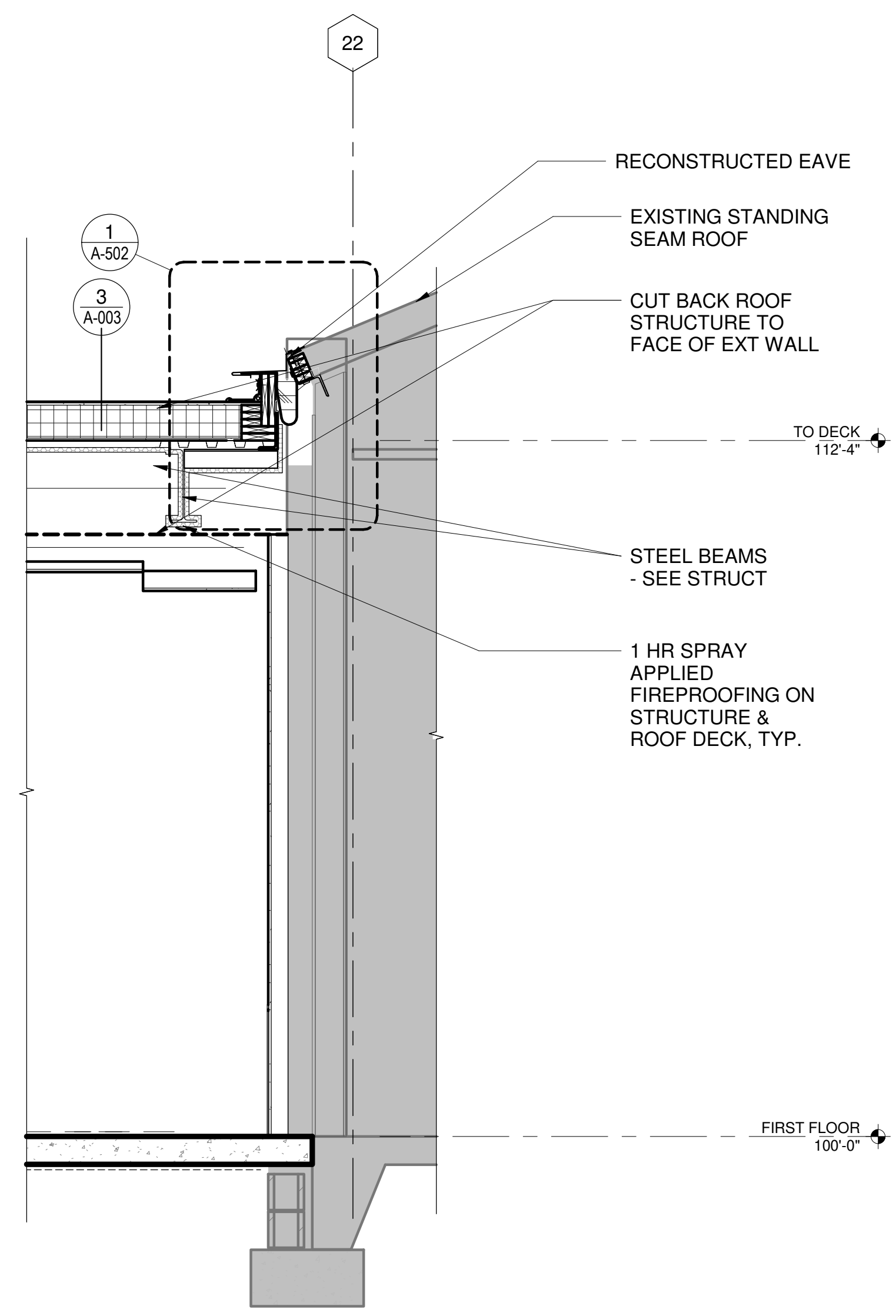
A-312



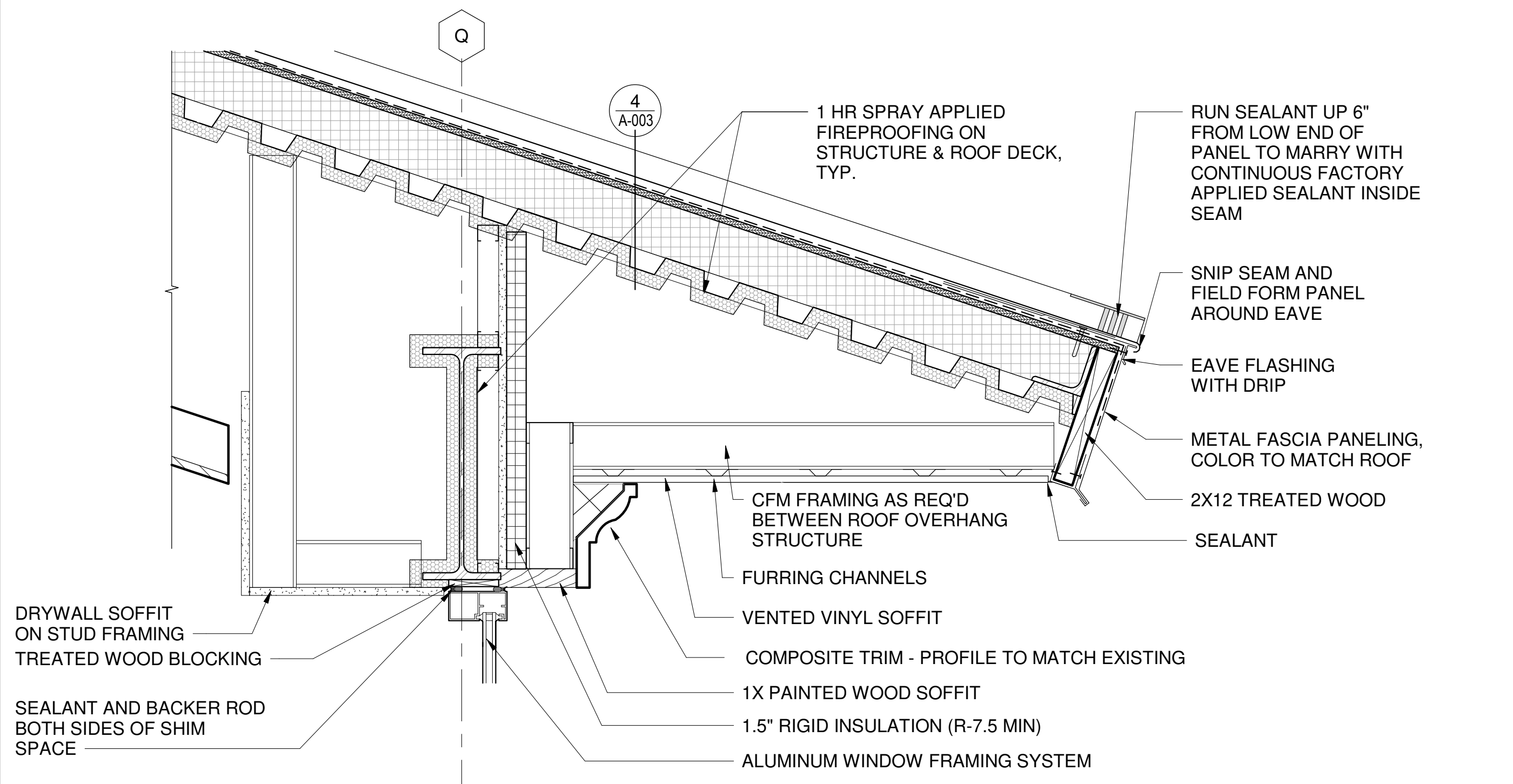
2 WALL SECTION
1/2" = 1'-0"



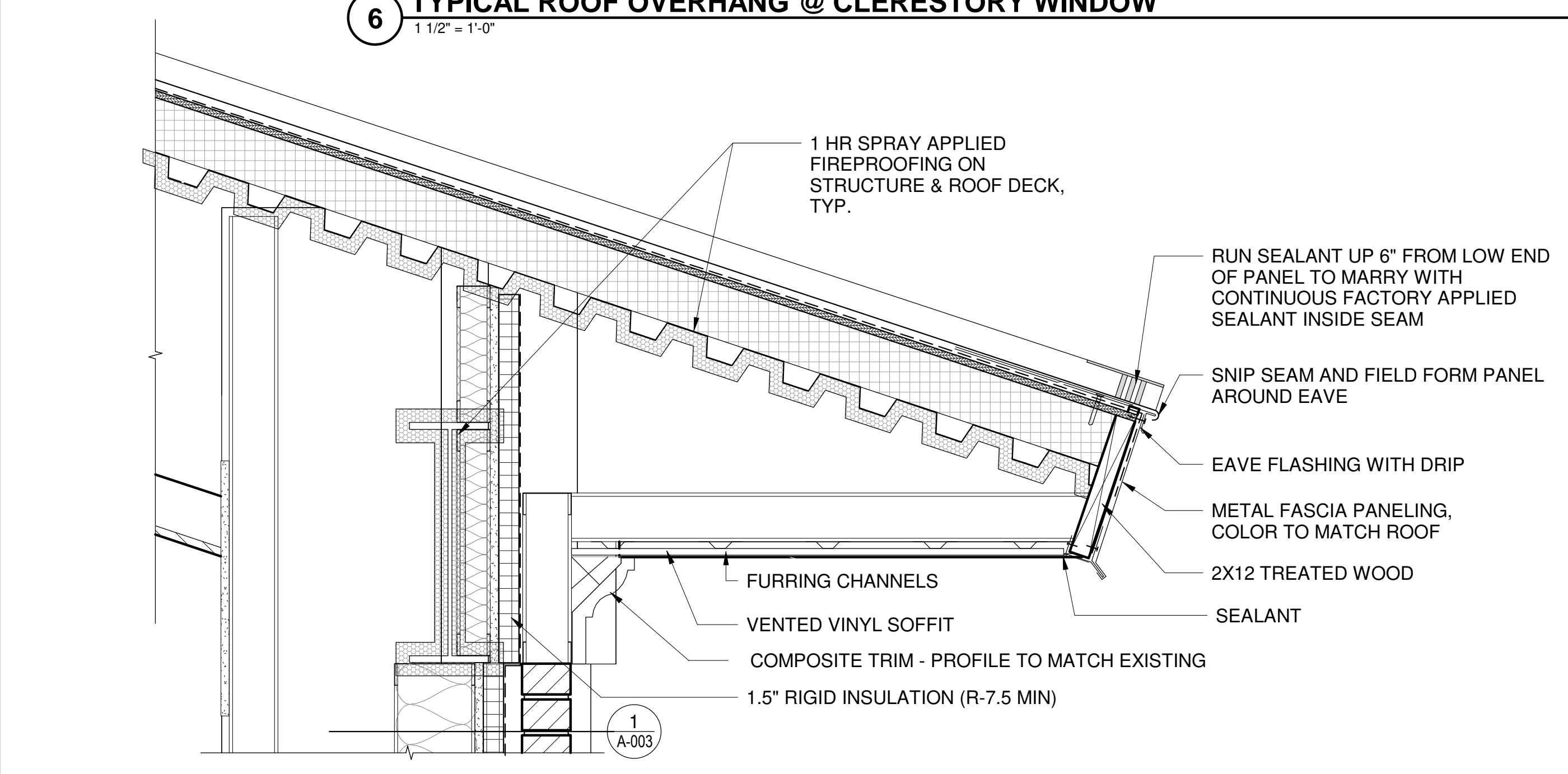
1 WALL SECTION
1/2" = 1'-0"



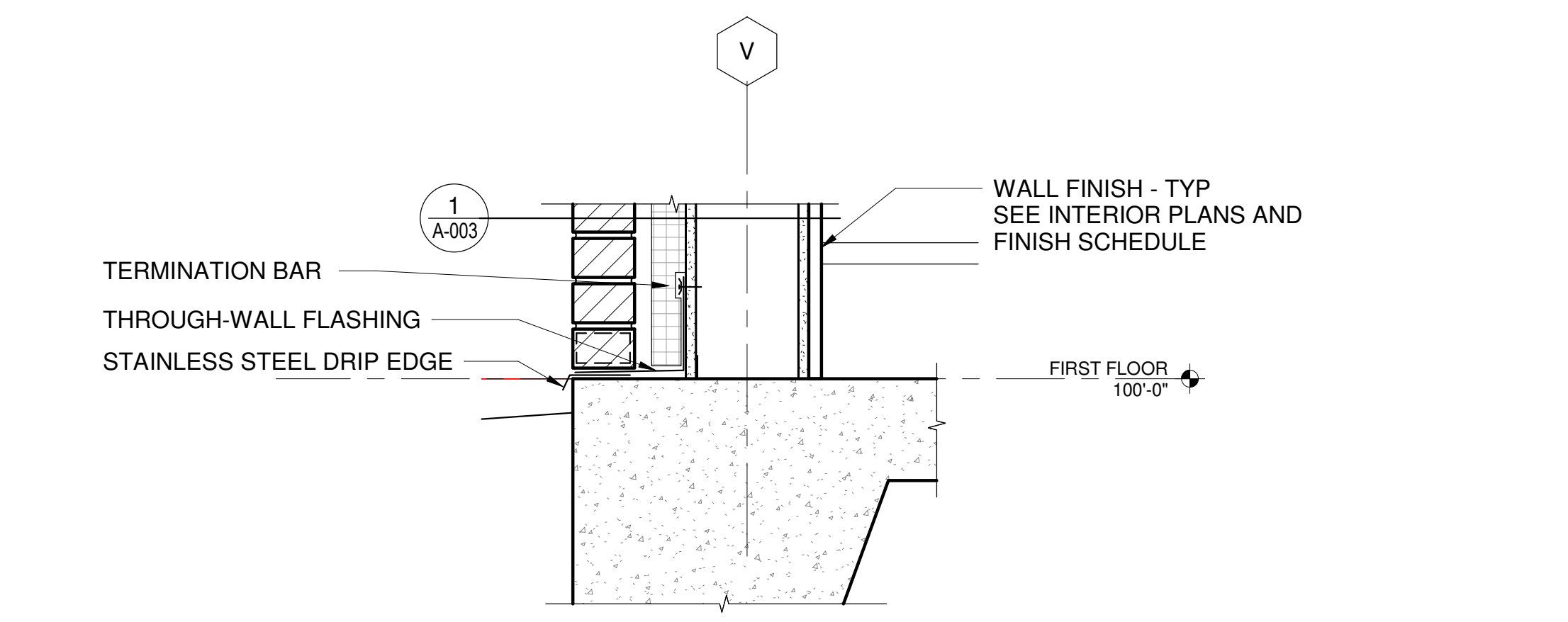
3 WALL SECTION
1/2" = 1'-0"



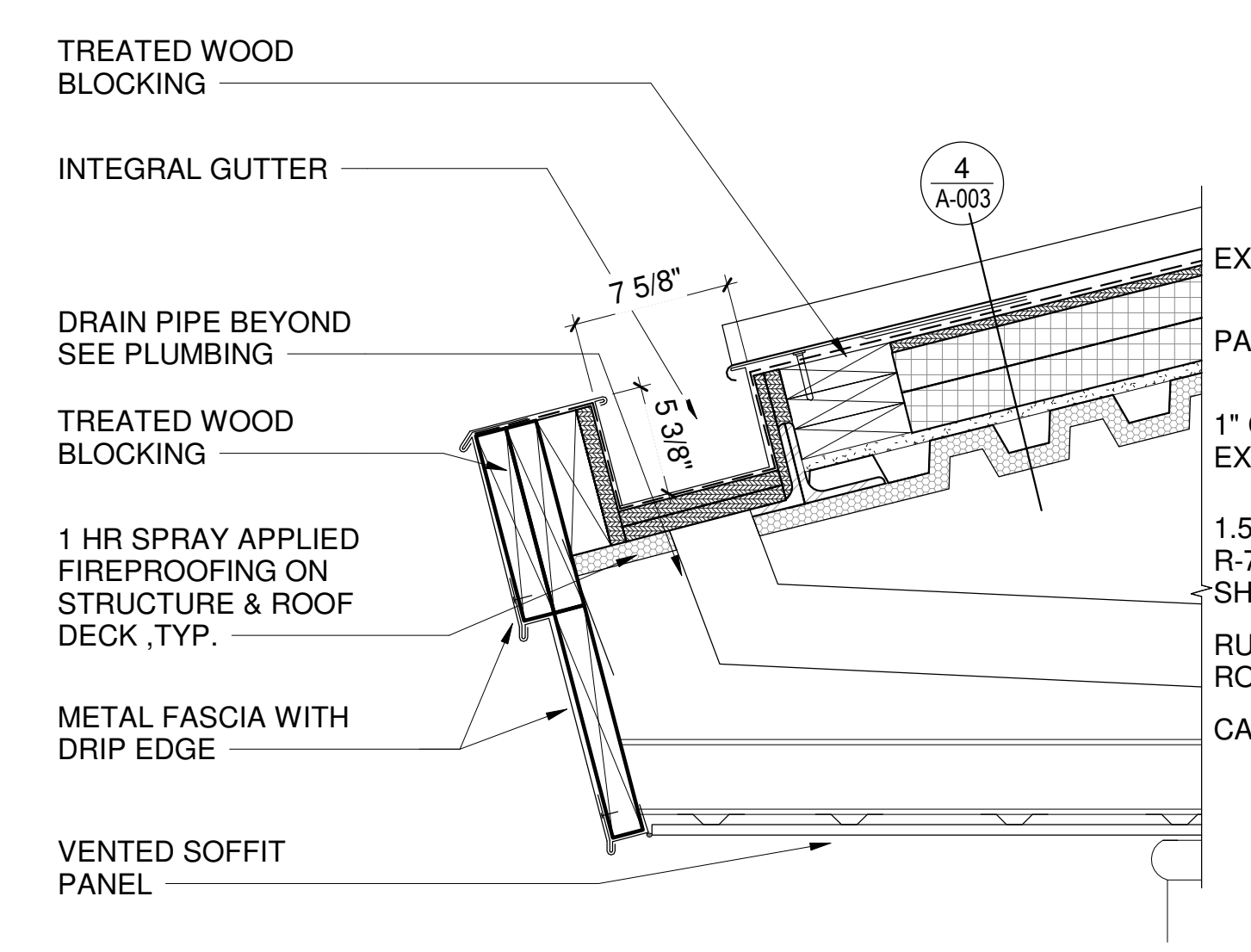
6 TYPICAL ROOF OVERHANG @ CLERESTORY WINDOW
 1 1/2" = 1'-0"



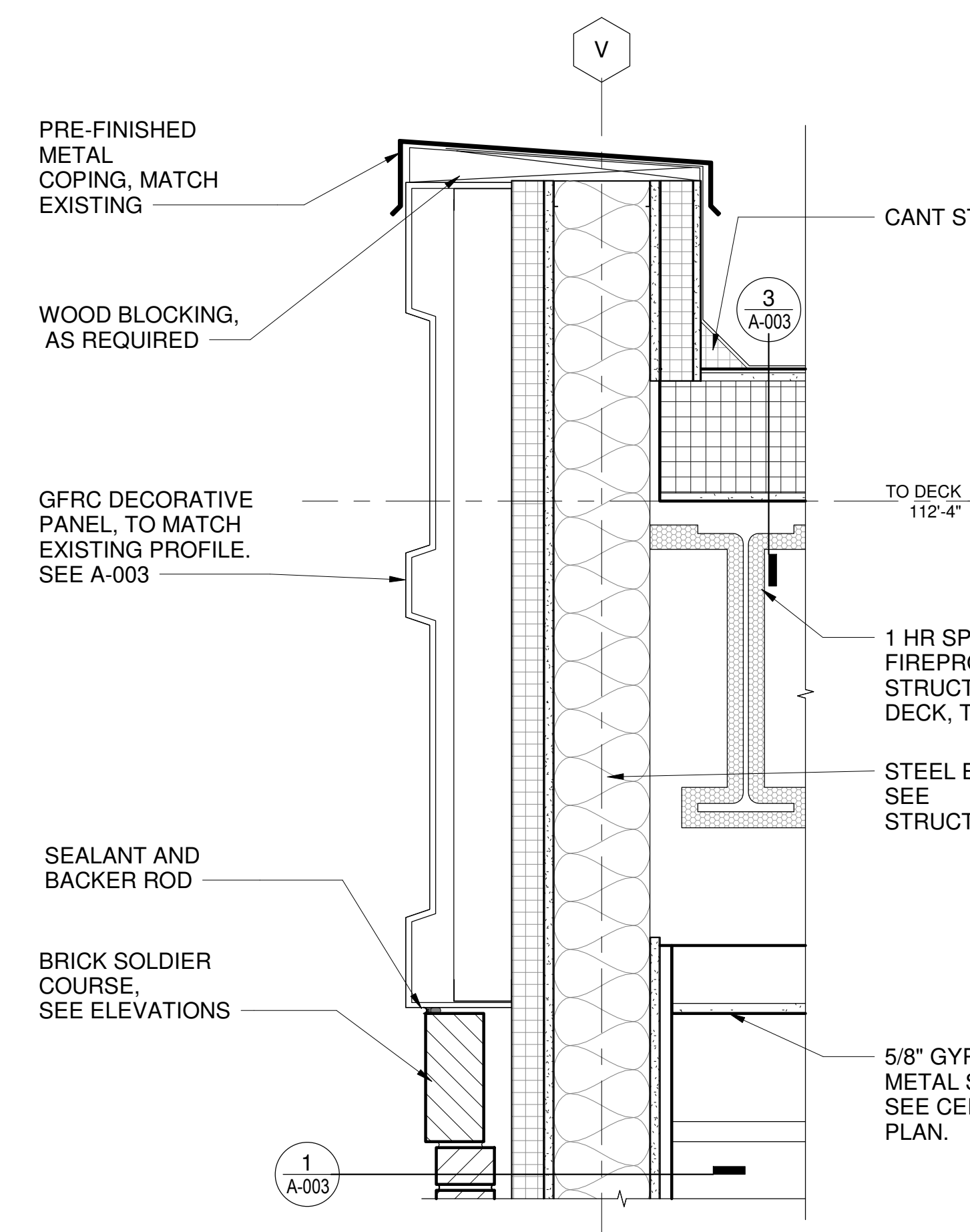
7 TYPICAL ROOF OVERHANG @ CLERESTORY BRICK
 1 1/2" = 1'-0"



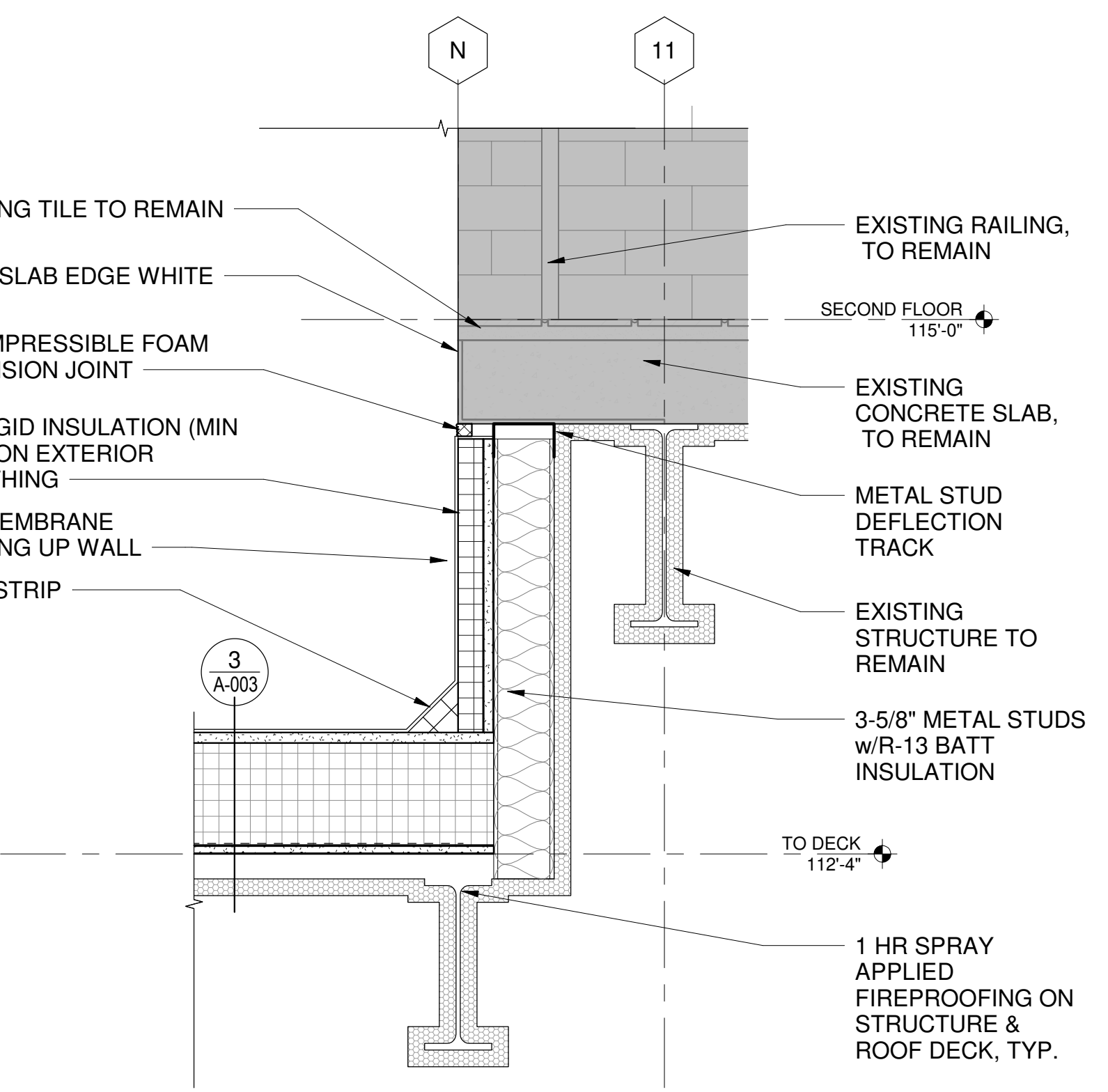
8 WALL BASE DETAIL
 1 1/2" = 1'-0"



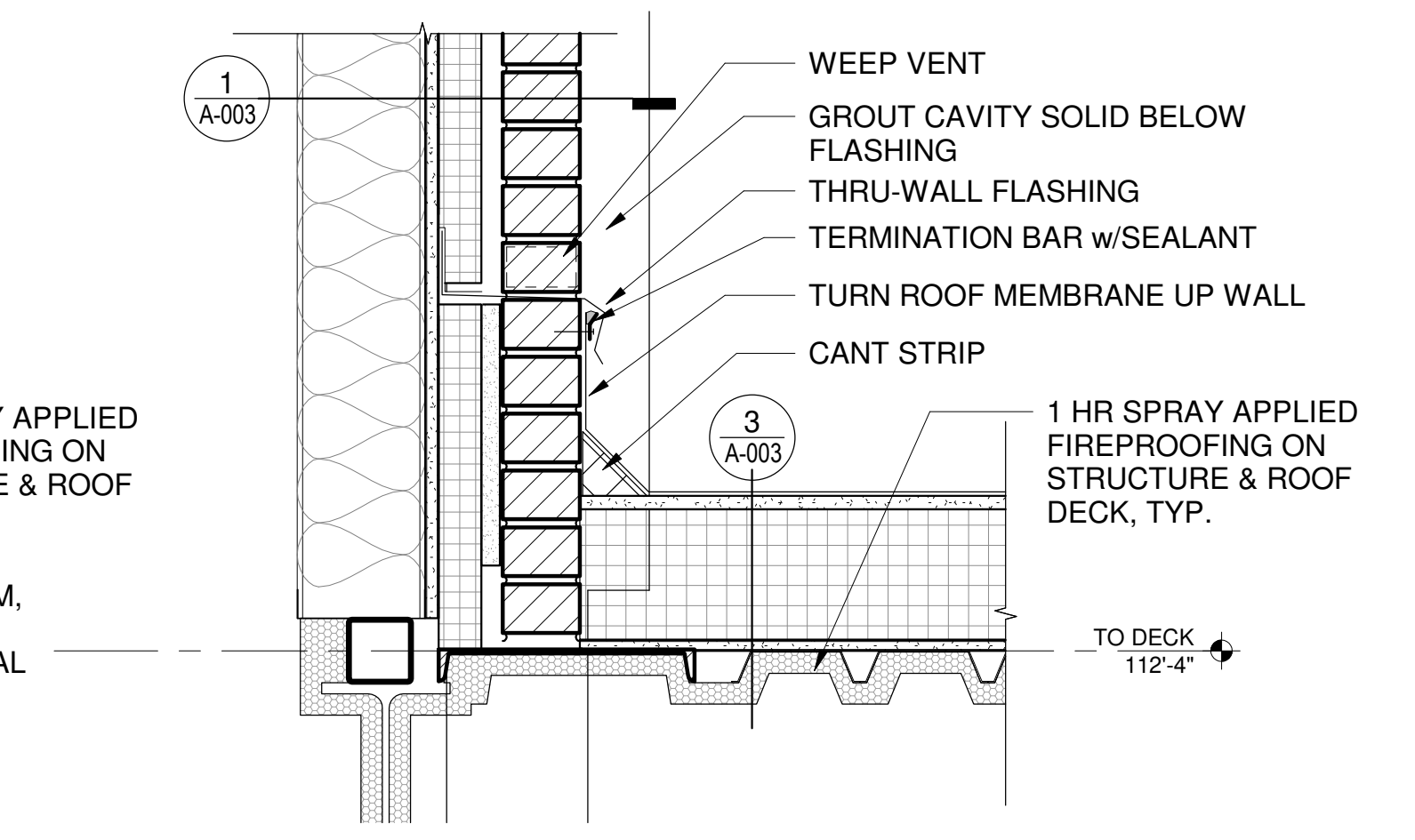
4 OVERHANG w/INTEGRAL GUTTER
 1 1/2" = 1'-0"



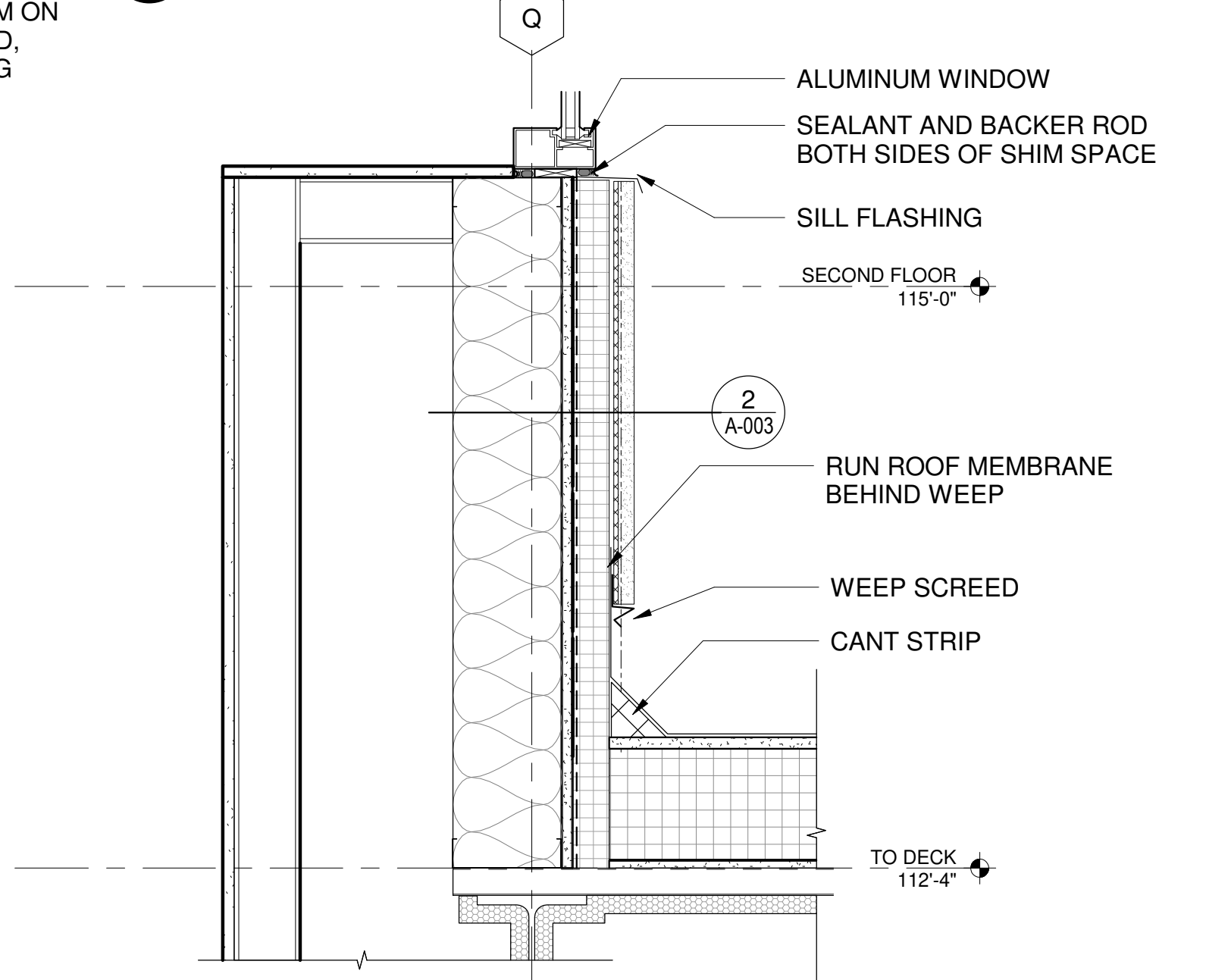
5 DETAIL
 1 1/2" = 1'-0"



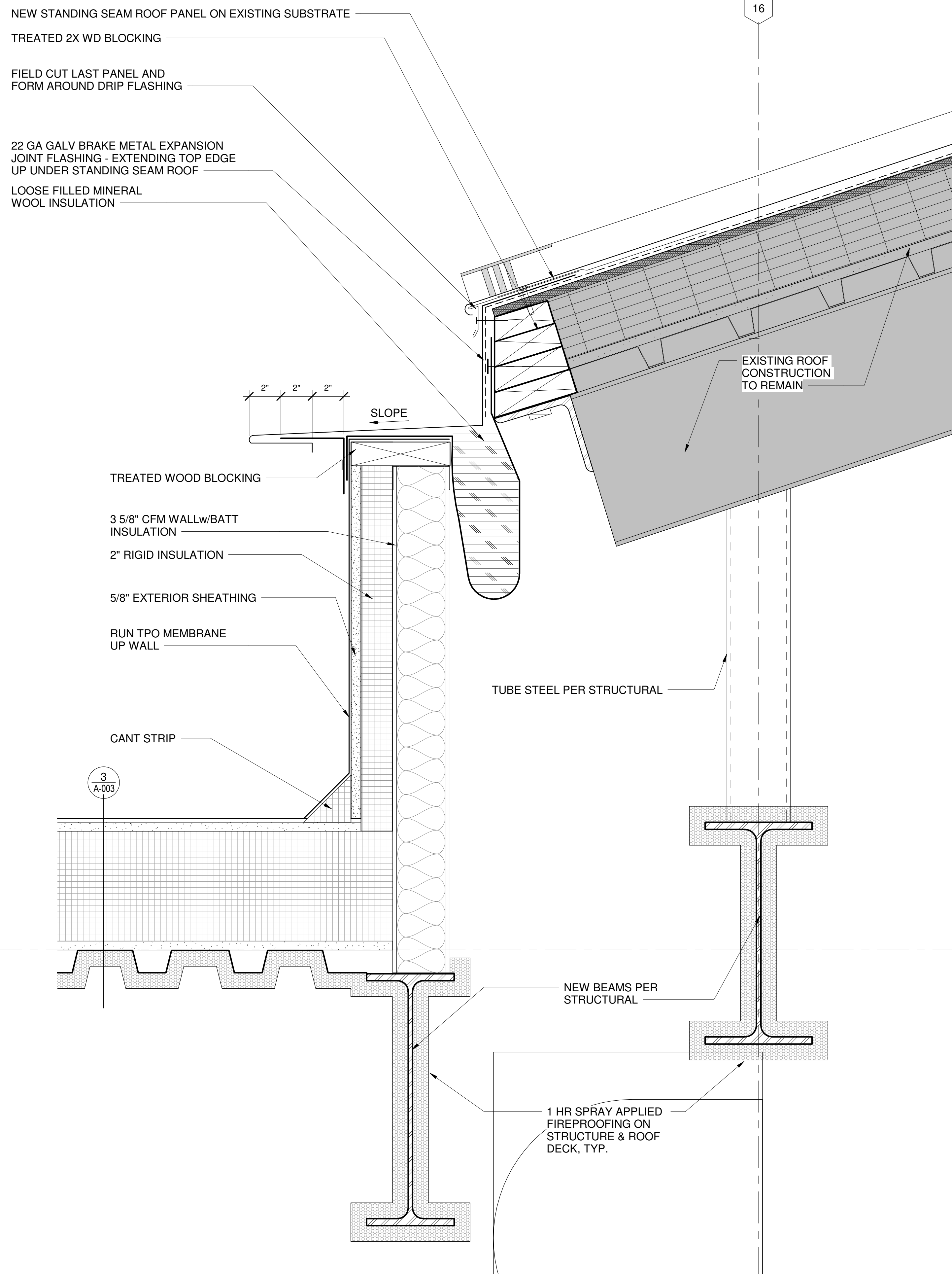
1 DETAIL - NEW ROOF TO EXISTING PATIO
 1 1/2" = 1'-0"



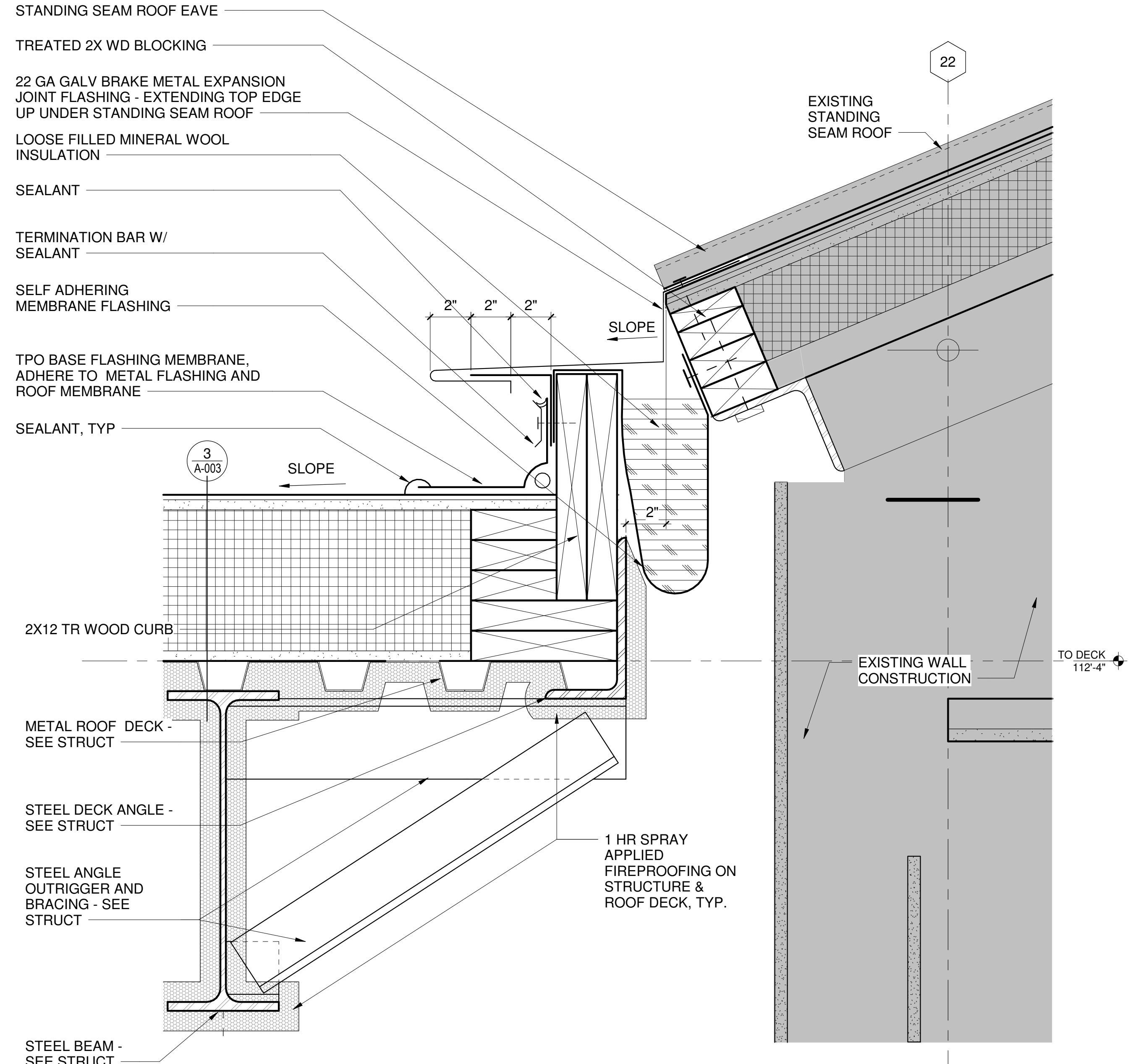
2 BRICK WALL BASE @ CLERESTORY
 1 1/2" = 1'-0"



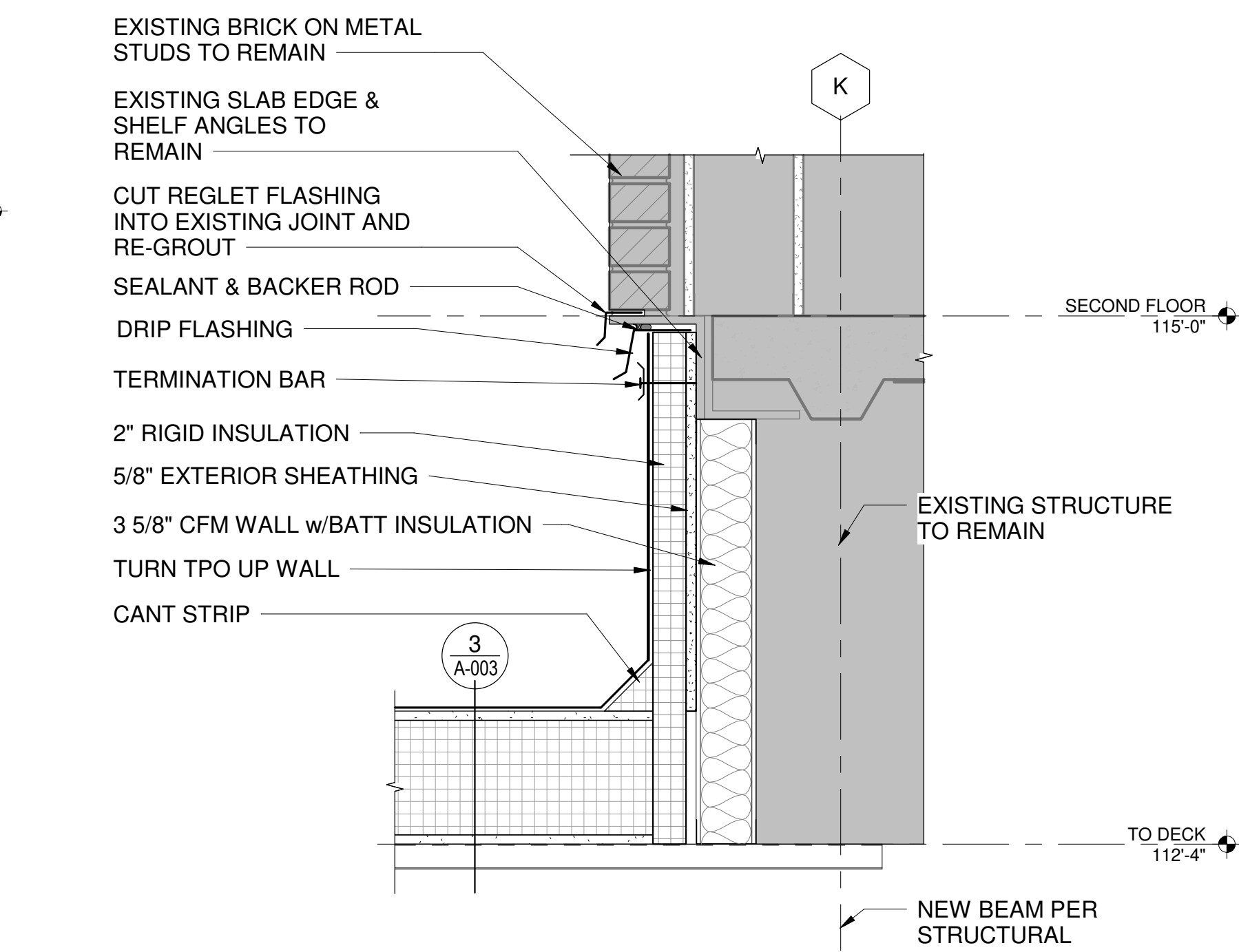
3 WINDOW SILL @ CLERESTORY
 1 1/2" = 1'-0"



2 ROOF EXPANSION JOINT DETAIL 2
3" = 1'-0"



1 ROOF EXPANSION JOINT DETAIL 1
3" = 1'-0"

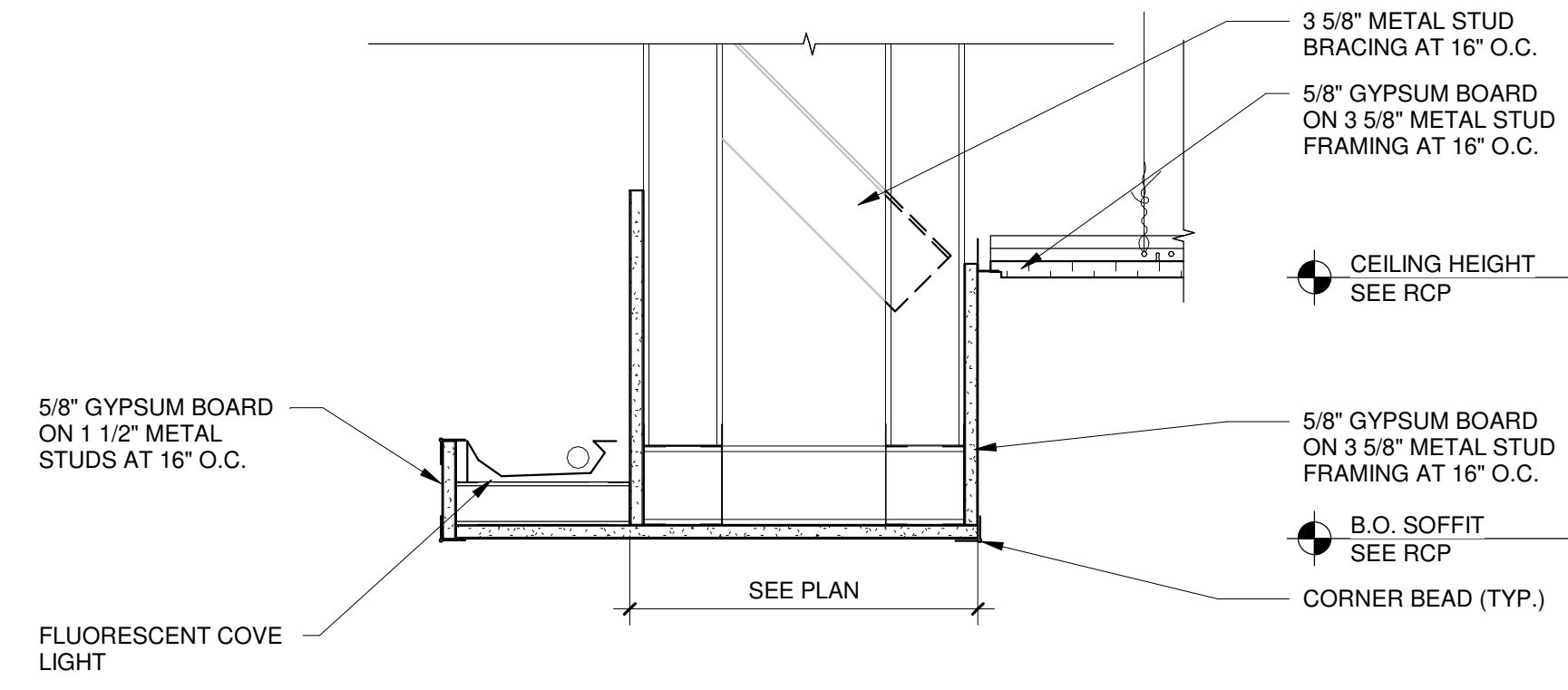


3 DETAIL @ ROOF TIE IN TO EXISTING WALL
1 1/2" = 1'-0"

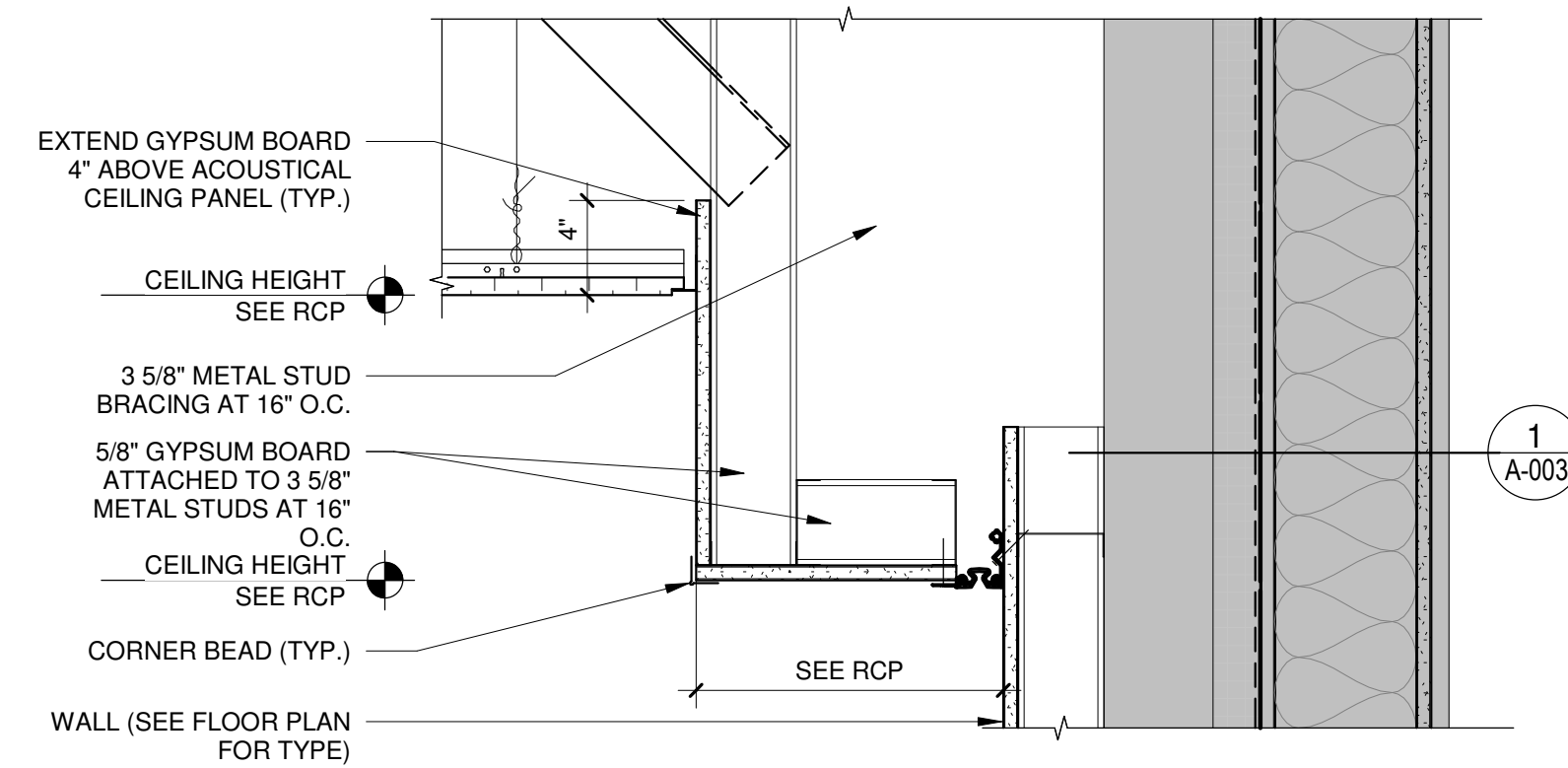
ACCEPTABLE STRUT SIZES AND LENGTHS

| TRADE SIZE | ALLOWABLE LENGTH | |
|------------|------------------|------------|
| | EMT | IMC OR RMC |
| 1/2" | 3'-10" | 4'-4" |
| 3/4" | 5'-2" | 5'-7" |
| 1" | 6'-6" | 7'-0" |
| 1 1/4" | 8'-6" | 9'-0" |
| 1 1/2" | 9'-10" | 10'-5" |
| 2" | --- | 13'-2" |

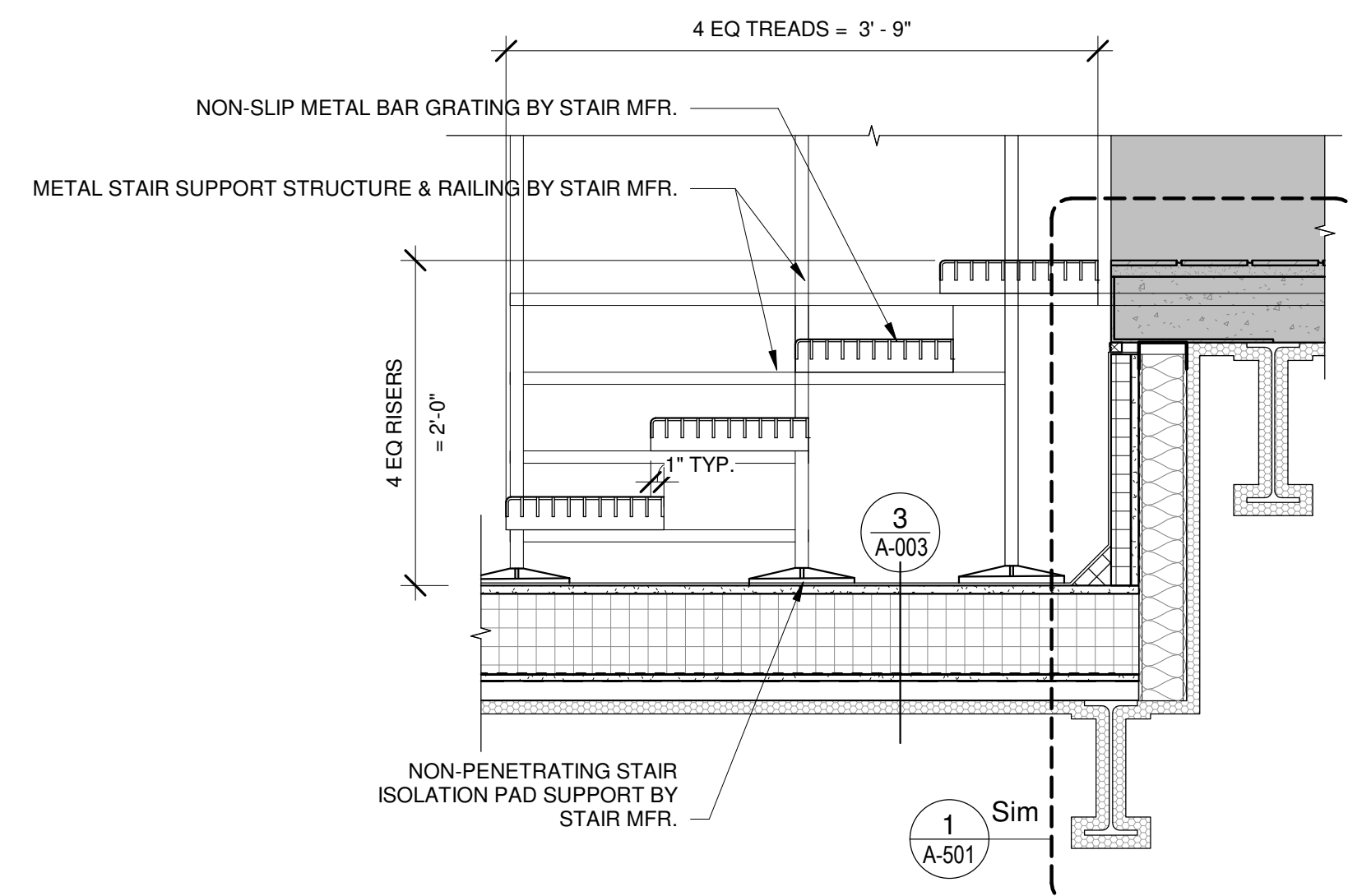
EMT ELECTRICAL METALLIC TUBING
IMC INTERMEDIATE METAL CONDUIT
RMC RIGID METAL CONDUIT



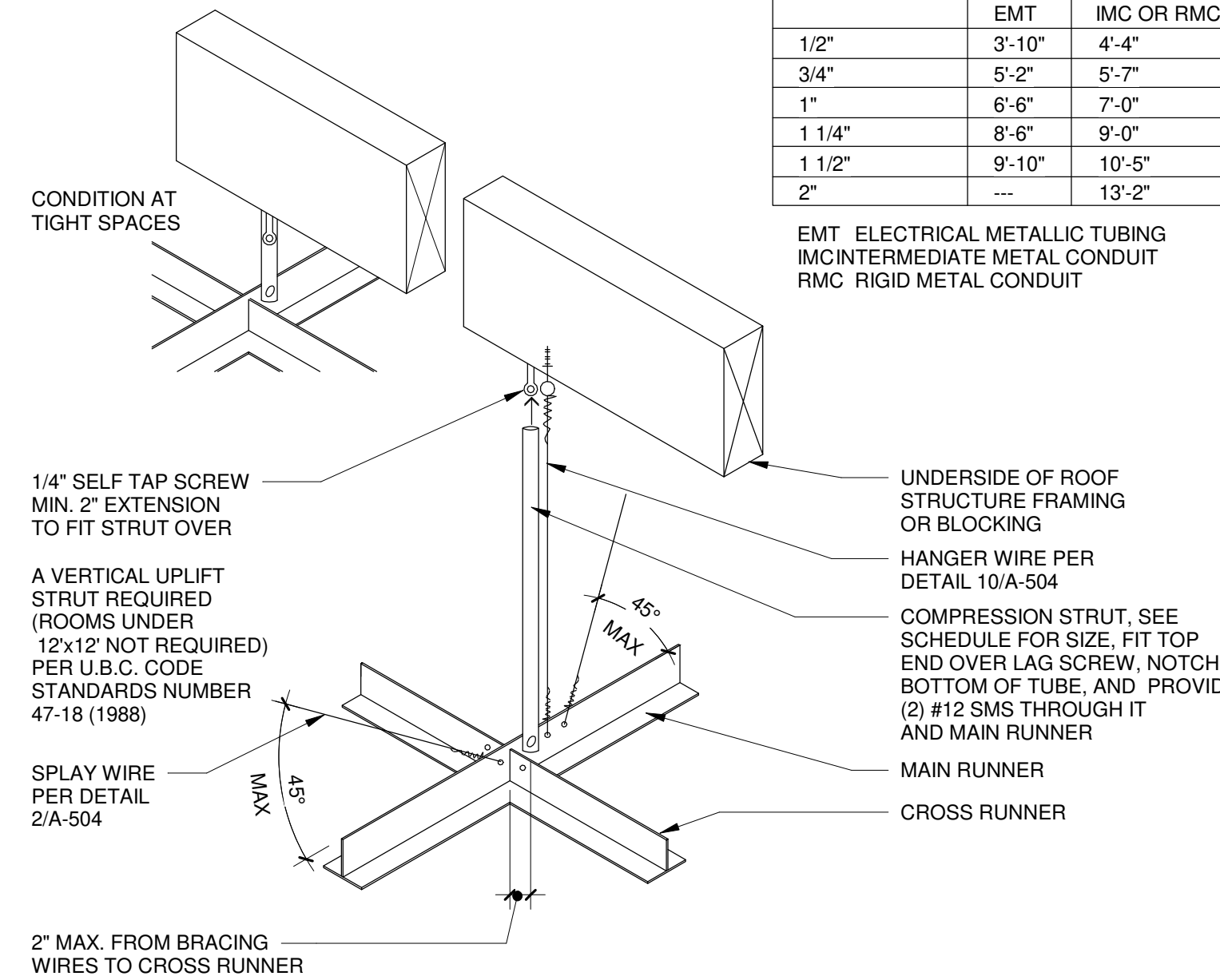
7 CEILING DETAIL
1 1/2" = 1'-0"



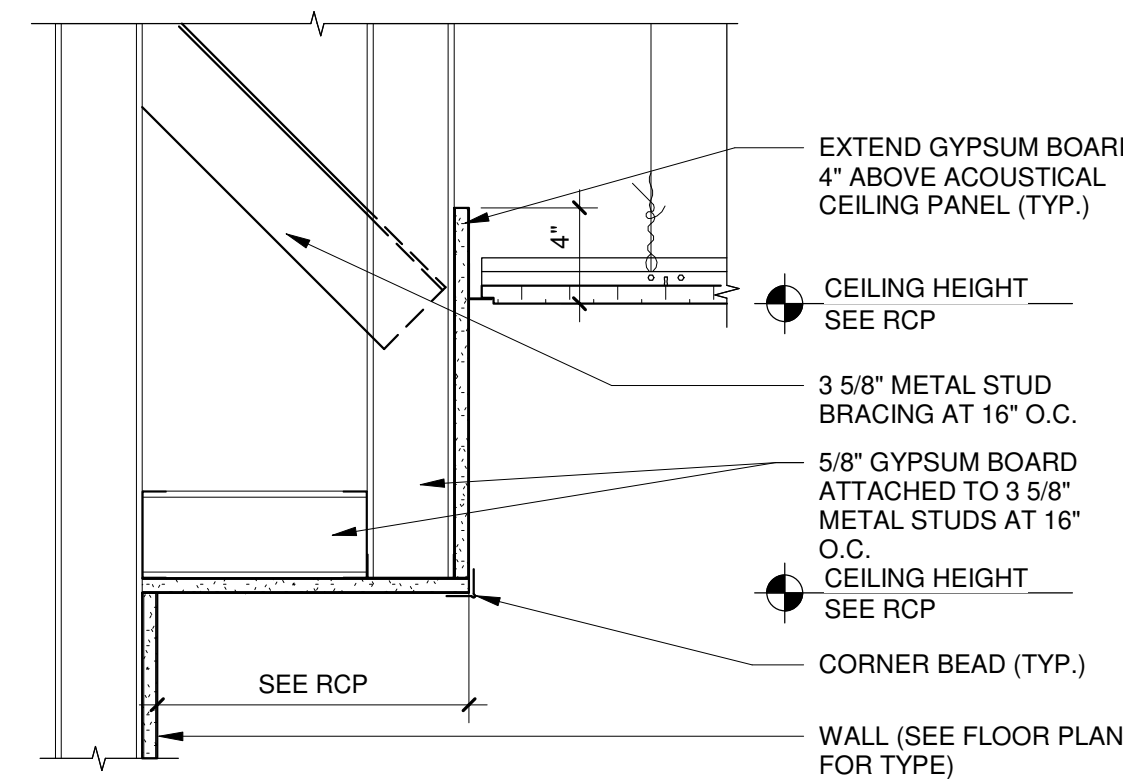
8 EXPANSION JOINT - GYP BOARD CEILING
1 1/2" = 1'-0"



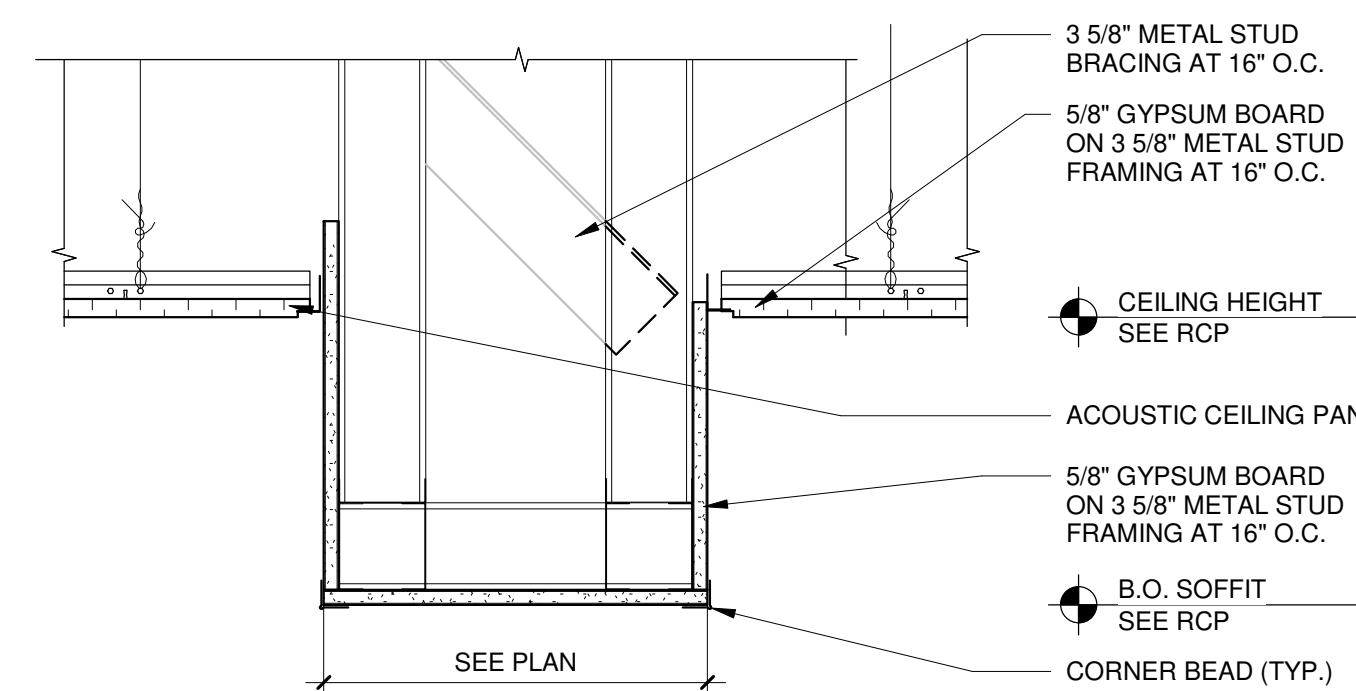
9 NON PENETRATING STAIR
1" = 1'-0"



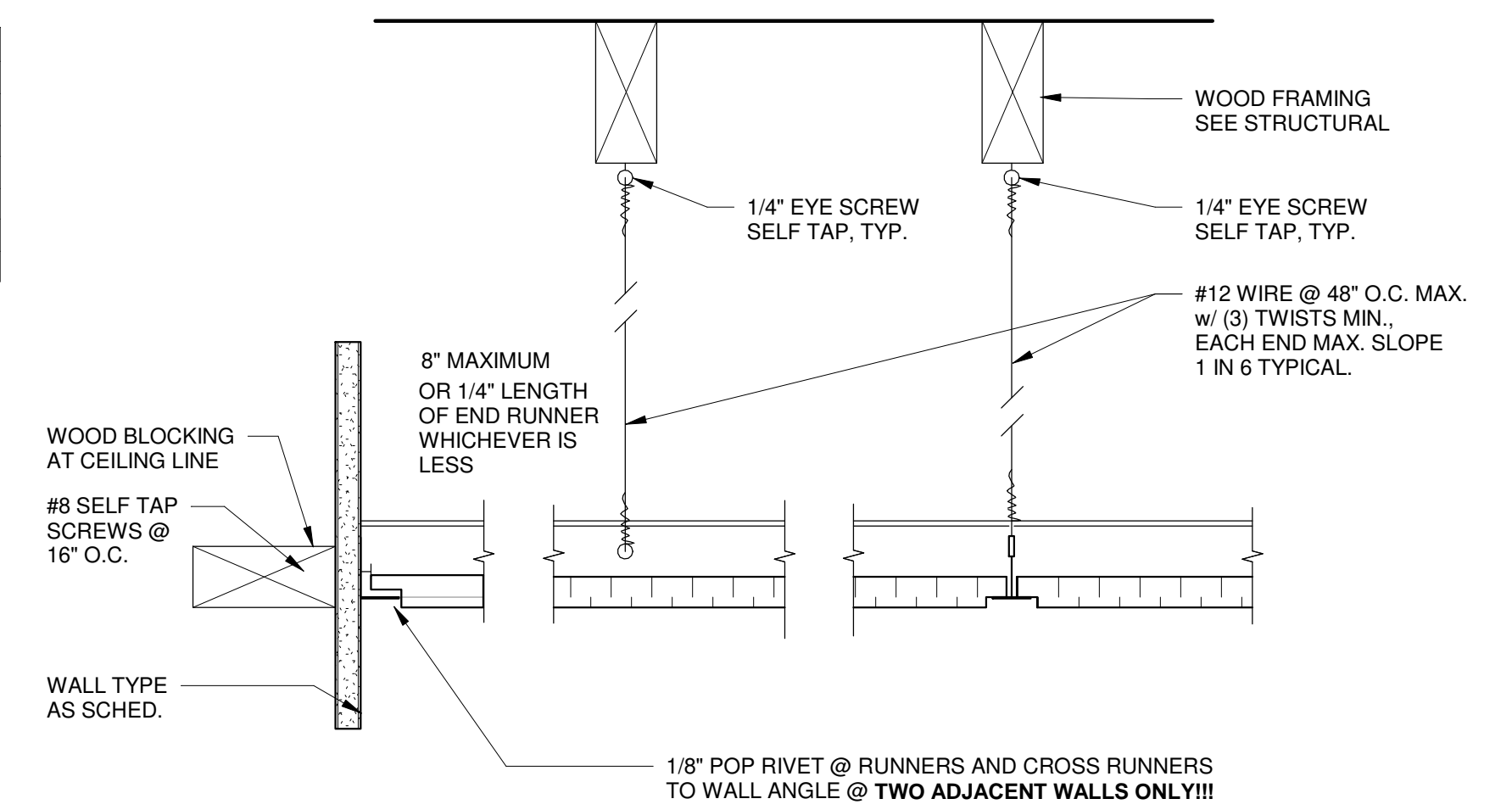
4 SEISMIC - UPLIFT BRACING
3" = 1'-0"



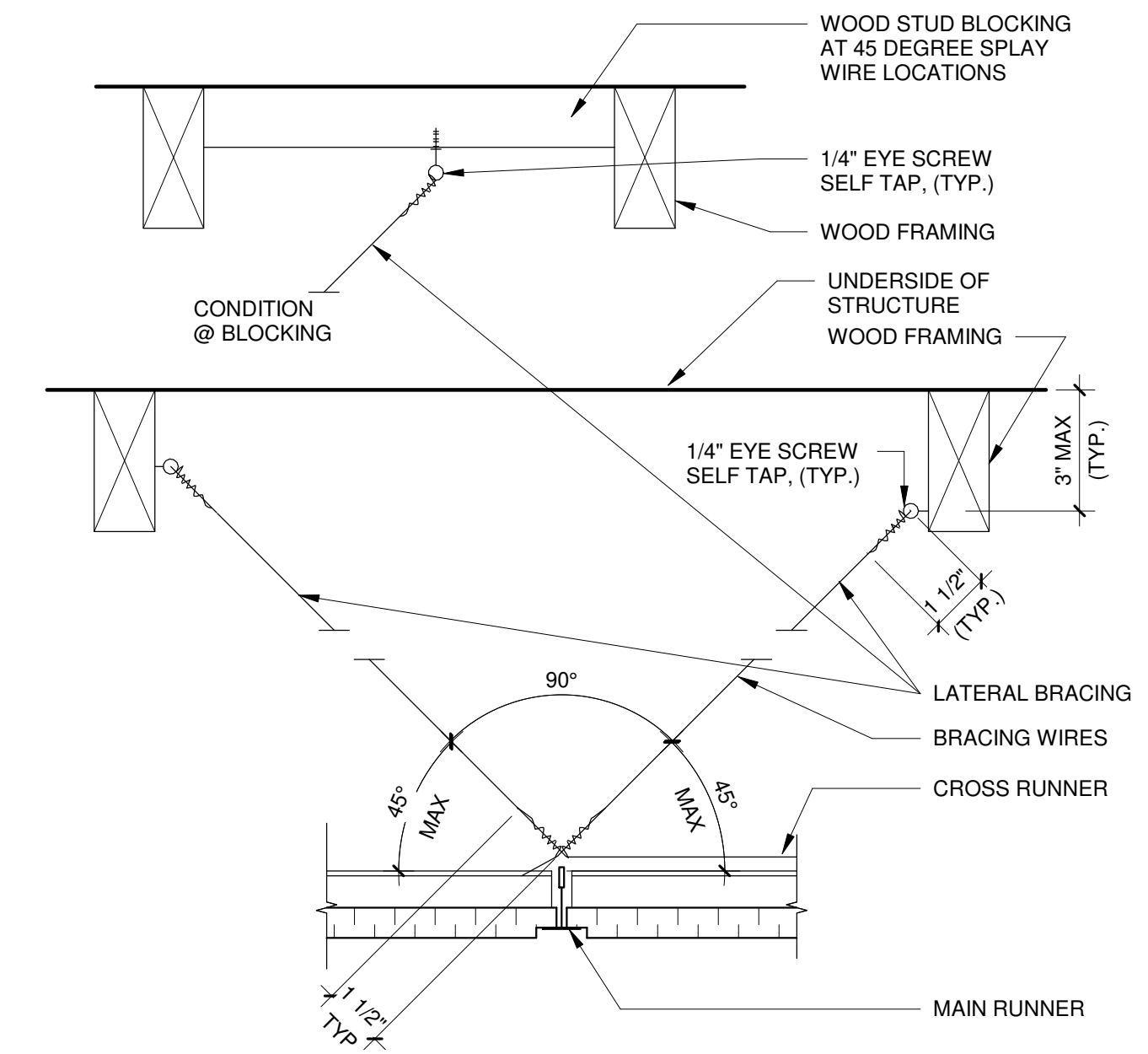
5 CEILING DETAIL
1 1/2" = 1'-0"



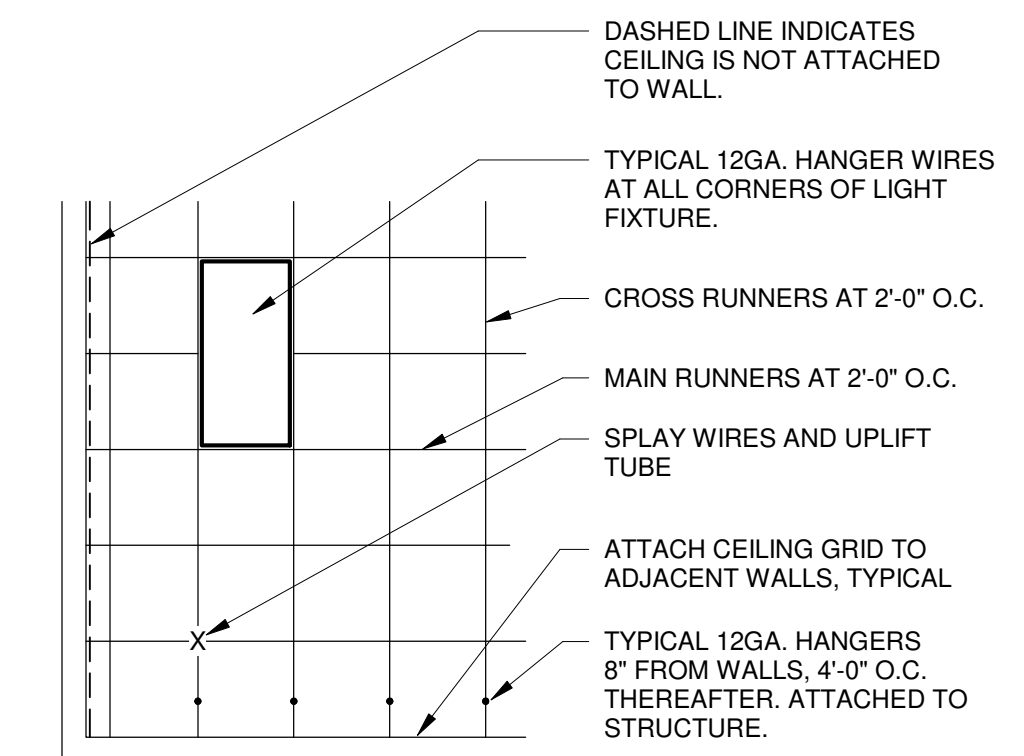
6 CEILING DETAIL
1 1/2" = 1'-0"



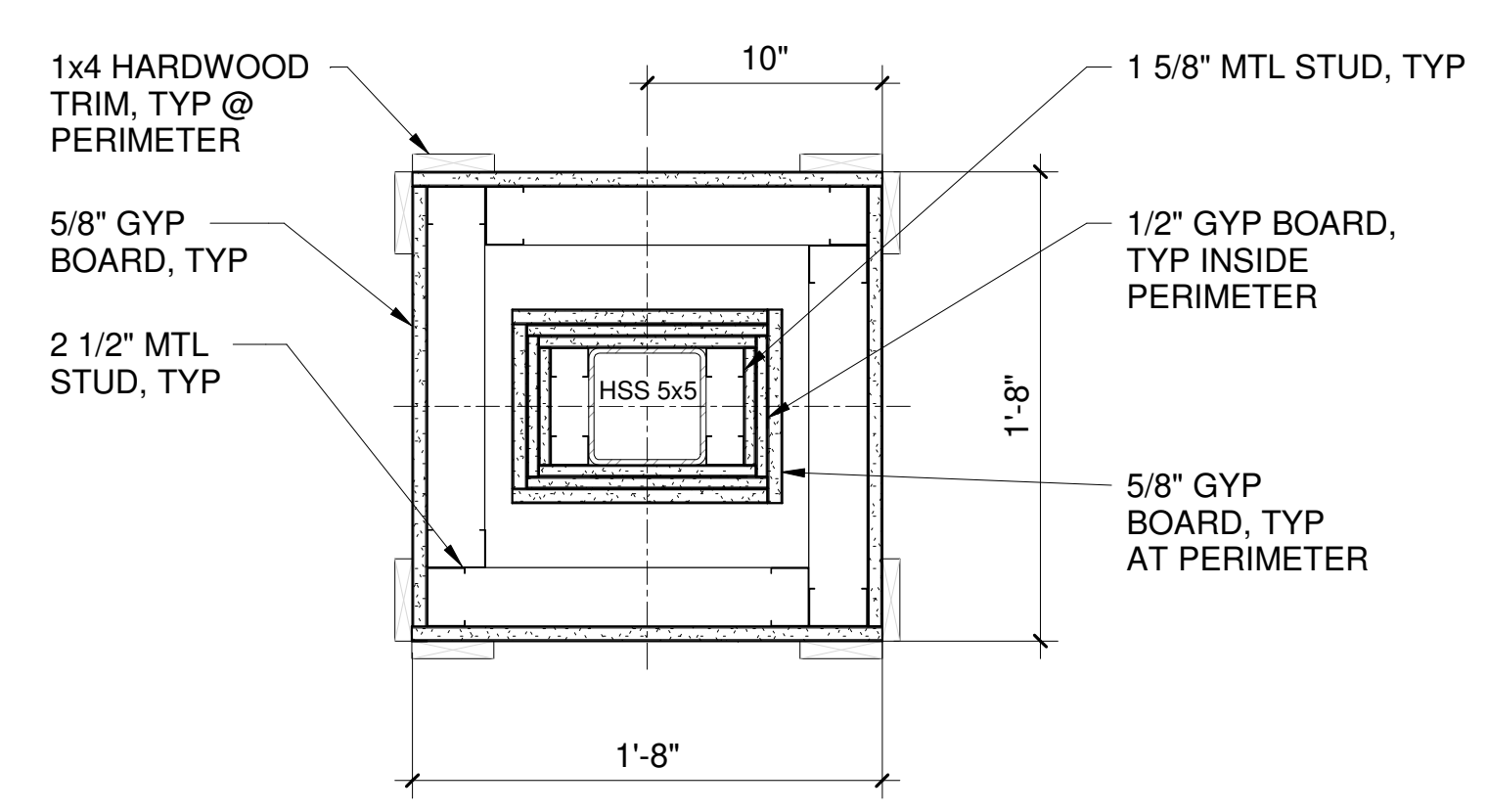
1 SEISMIC - AT CEILING LINE
3" = 1'-0"



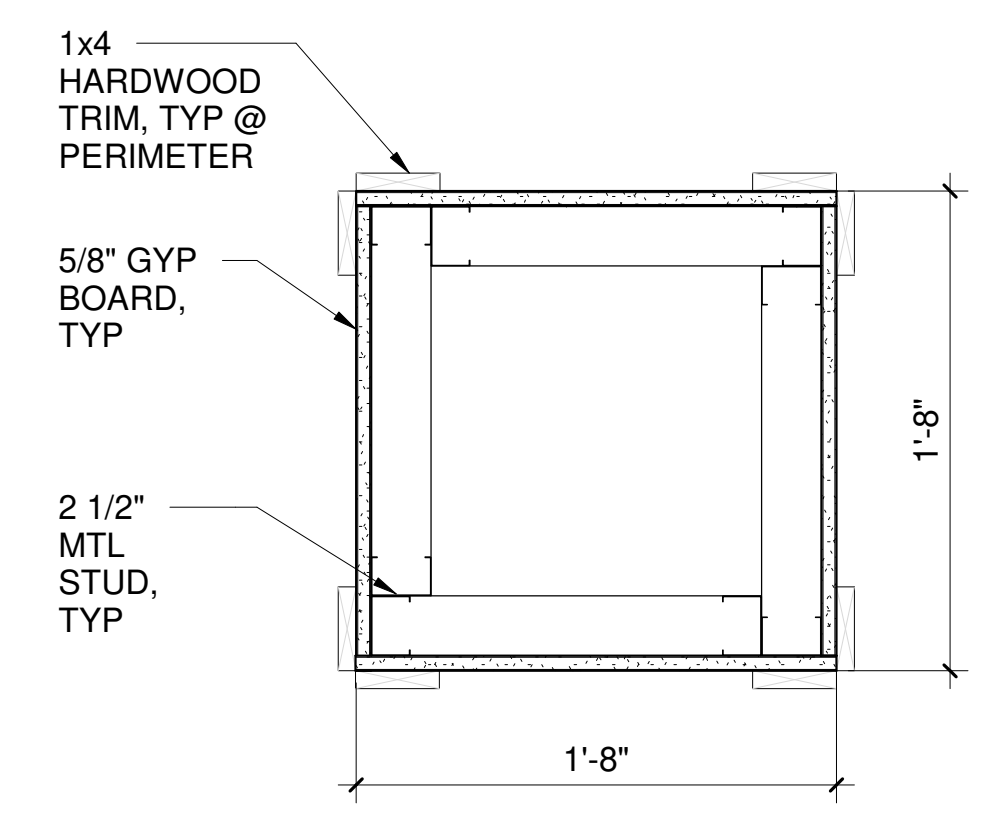
2 SEISMIC - LATERAL BRACING
3" = 1'-0"



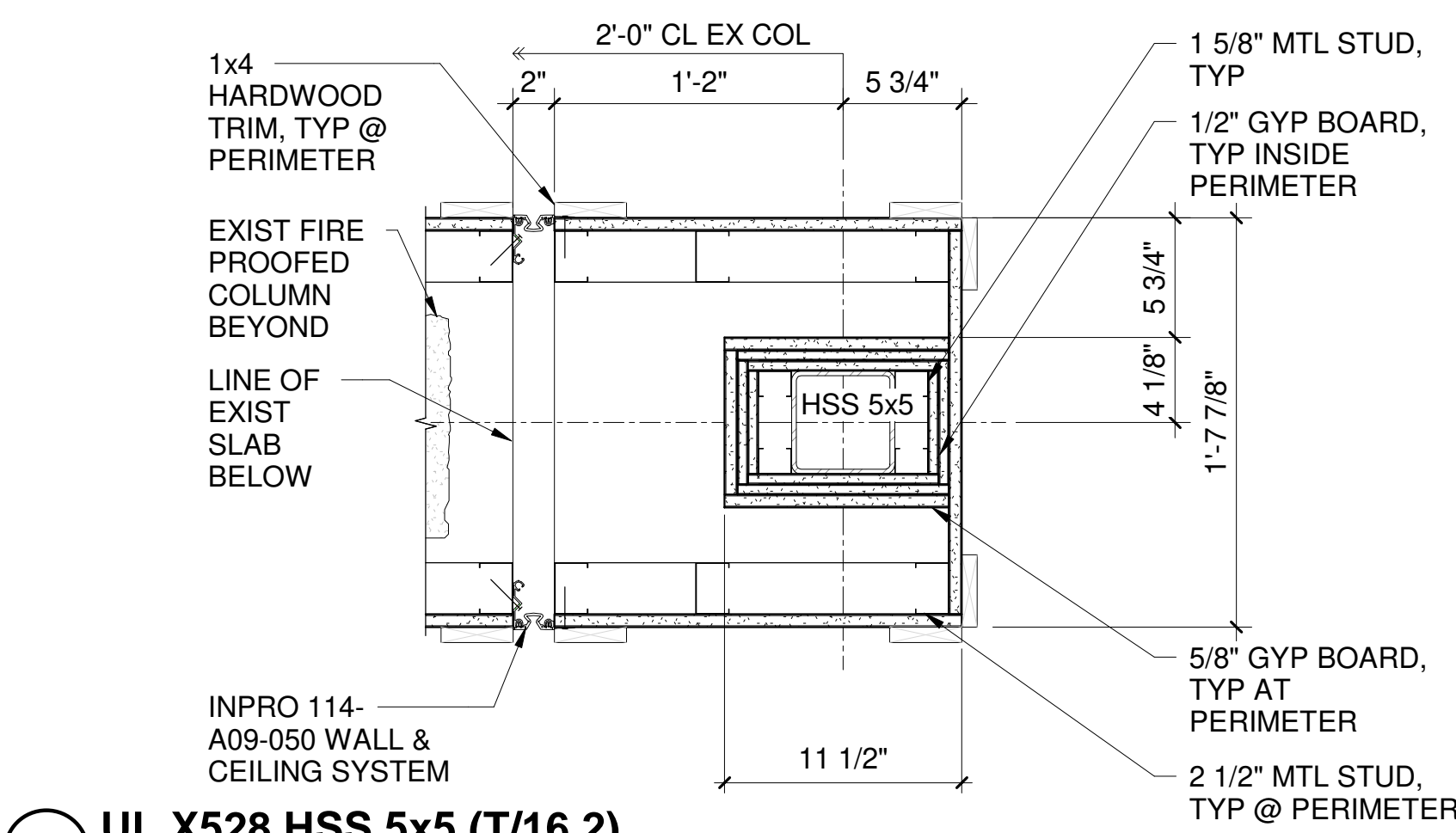
3 SEISMIC - PLAN
1/4" = 1'-0"



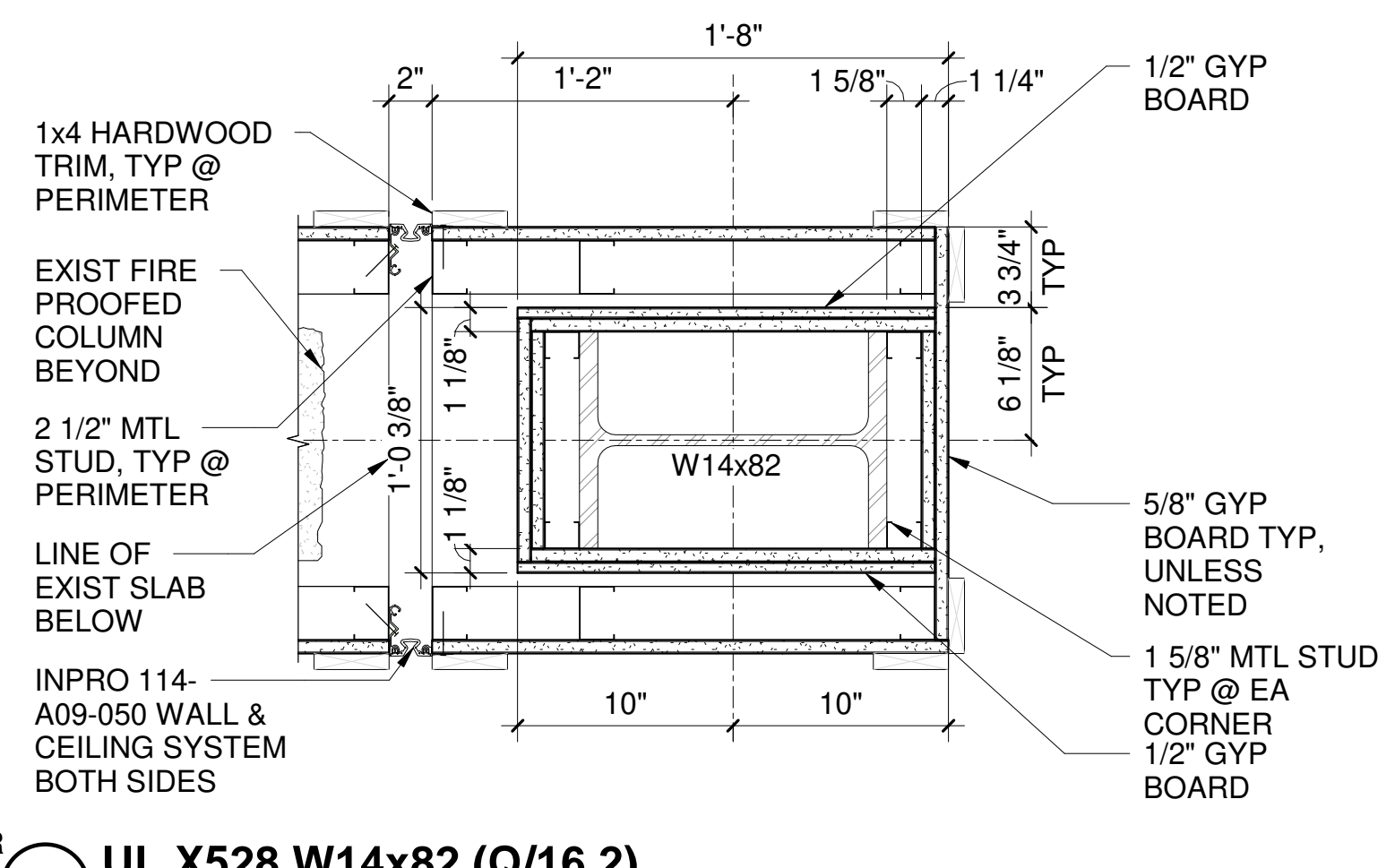
4 UL X528 HSS 5x5
1 1/2" = 1'-0"



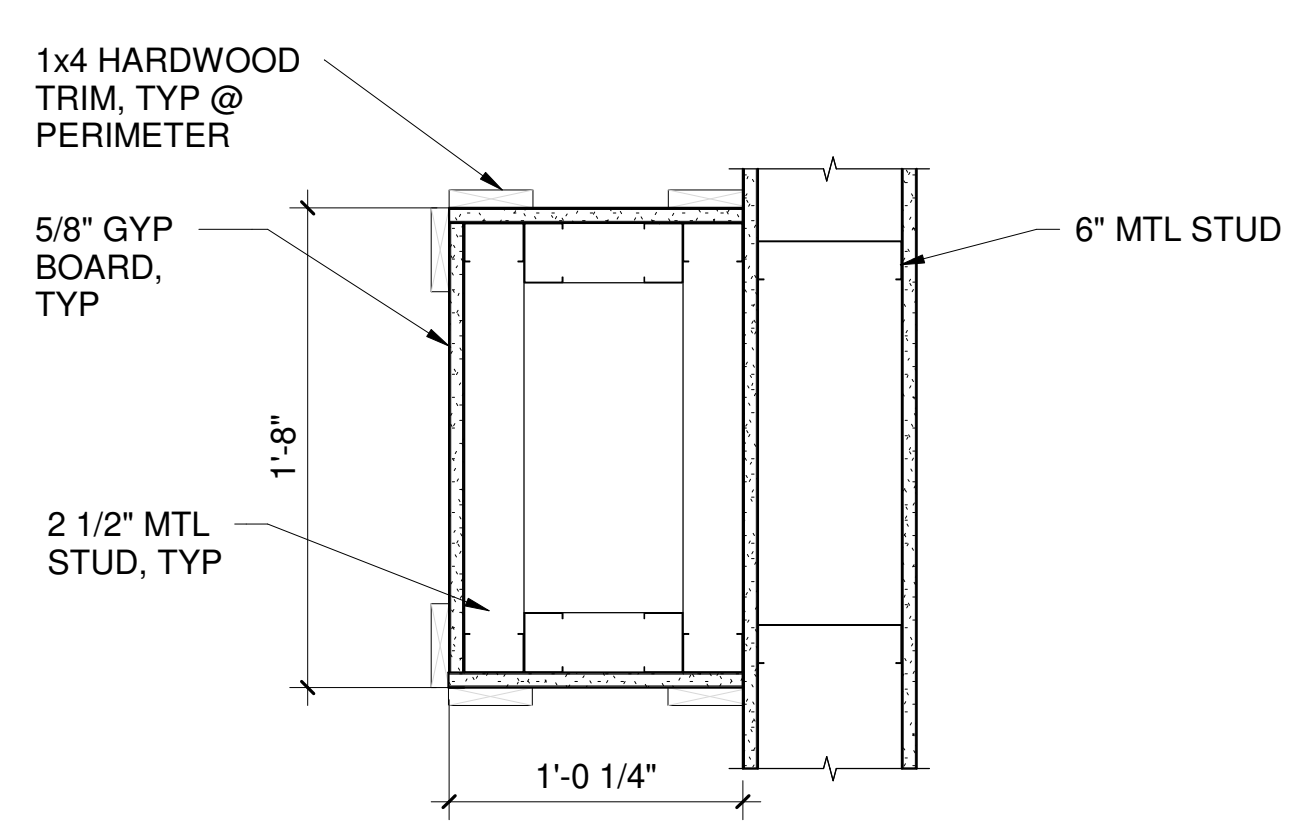
3 TYP DUMMY COLUMN WRAP
1 1/2" = 1'-0"



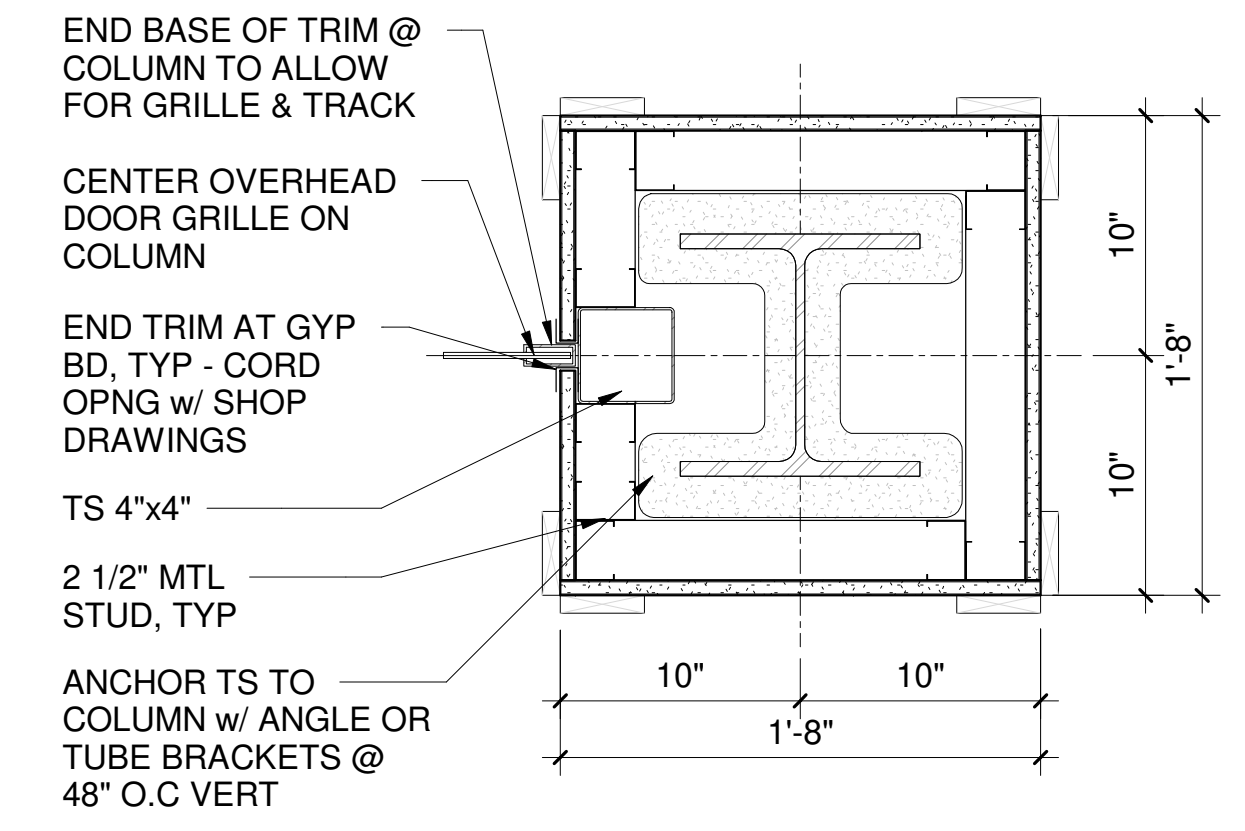
2 UL X528 HSS 5x5 (T/16.2)
1 1/2" = 1'-0"



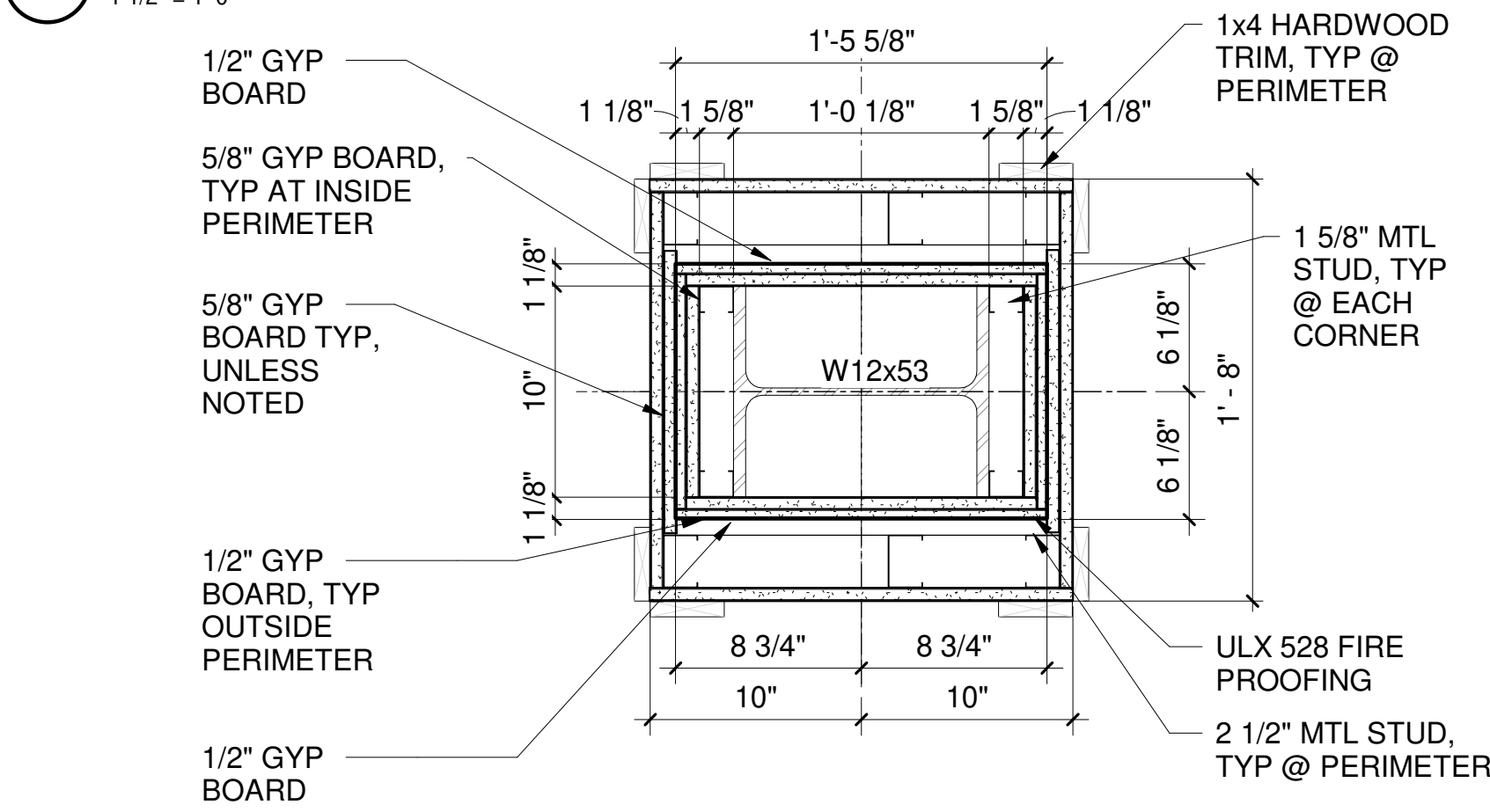
1 UL X528 W14x82 (Q/16.2)
1 1/2" = 1'-0"



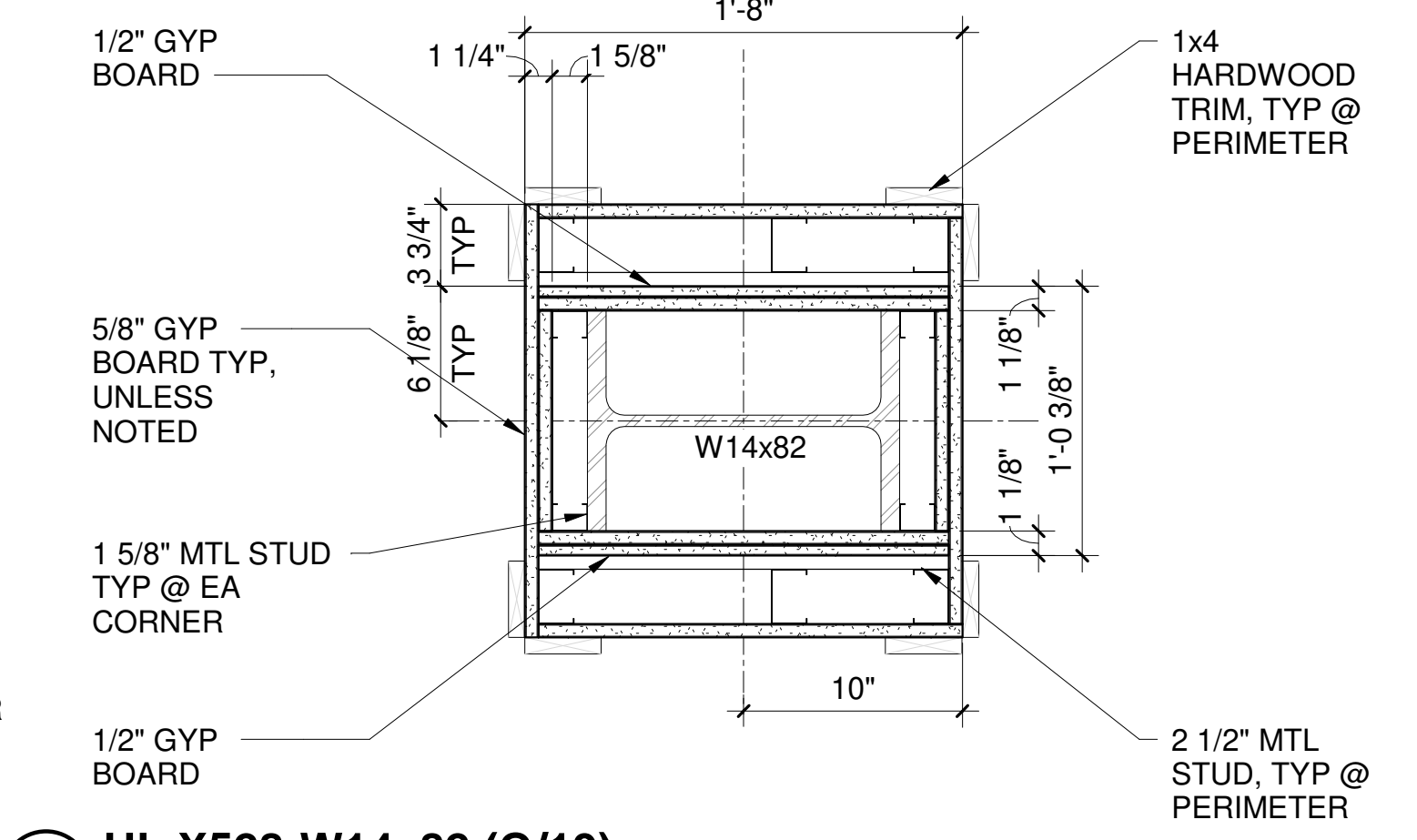
8 TYP DUMMY COLUMN WRAP
1 1/2" = 1'-0"



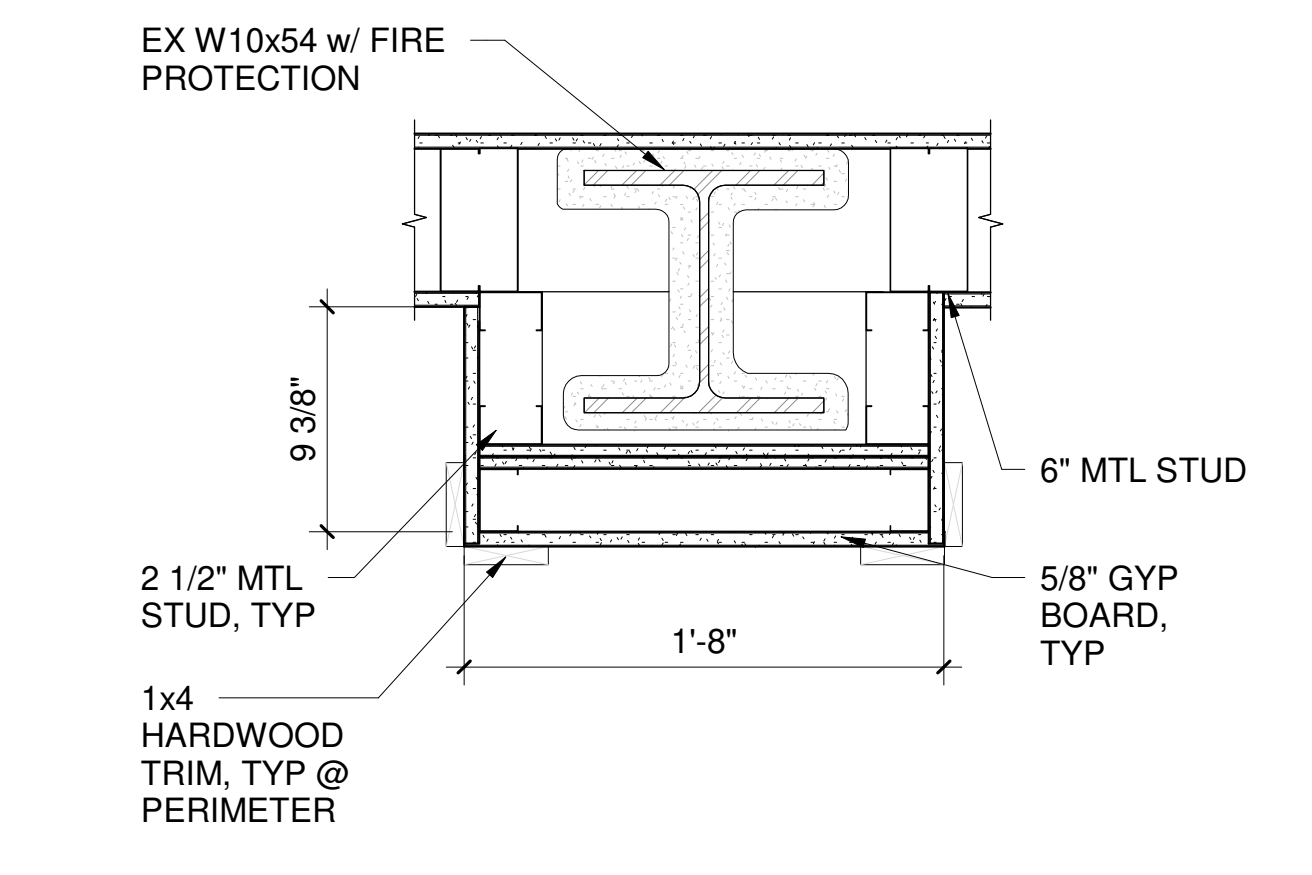
7 J/24 OVERHEAD GRILLE JAMB (J/21 SIM)
1 1/2" = 1'-0"



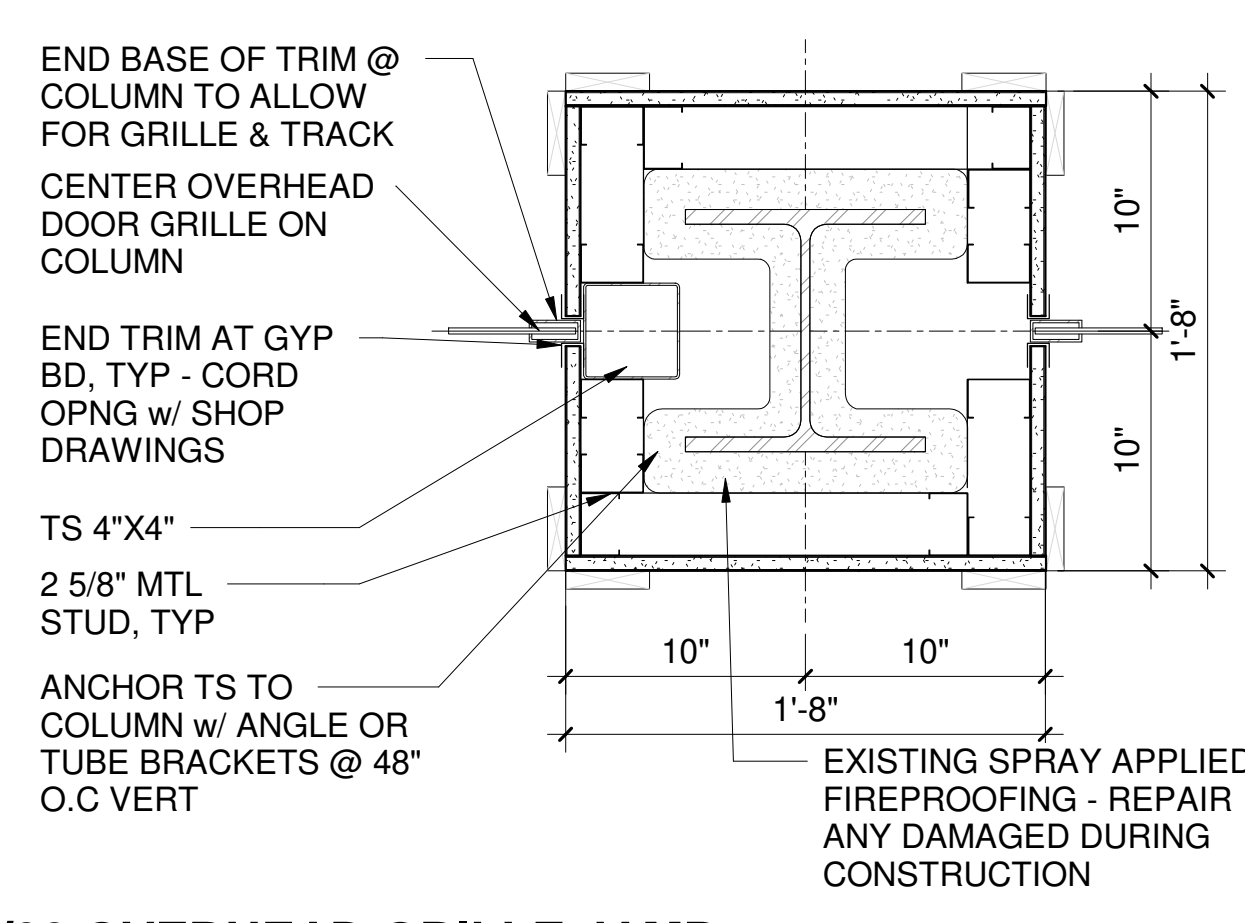
6 UL X528 W12x53 (T/18.5 & 21.2)
1 1/2" = 1'-0"



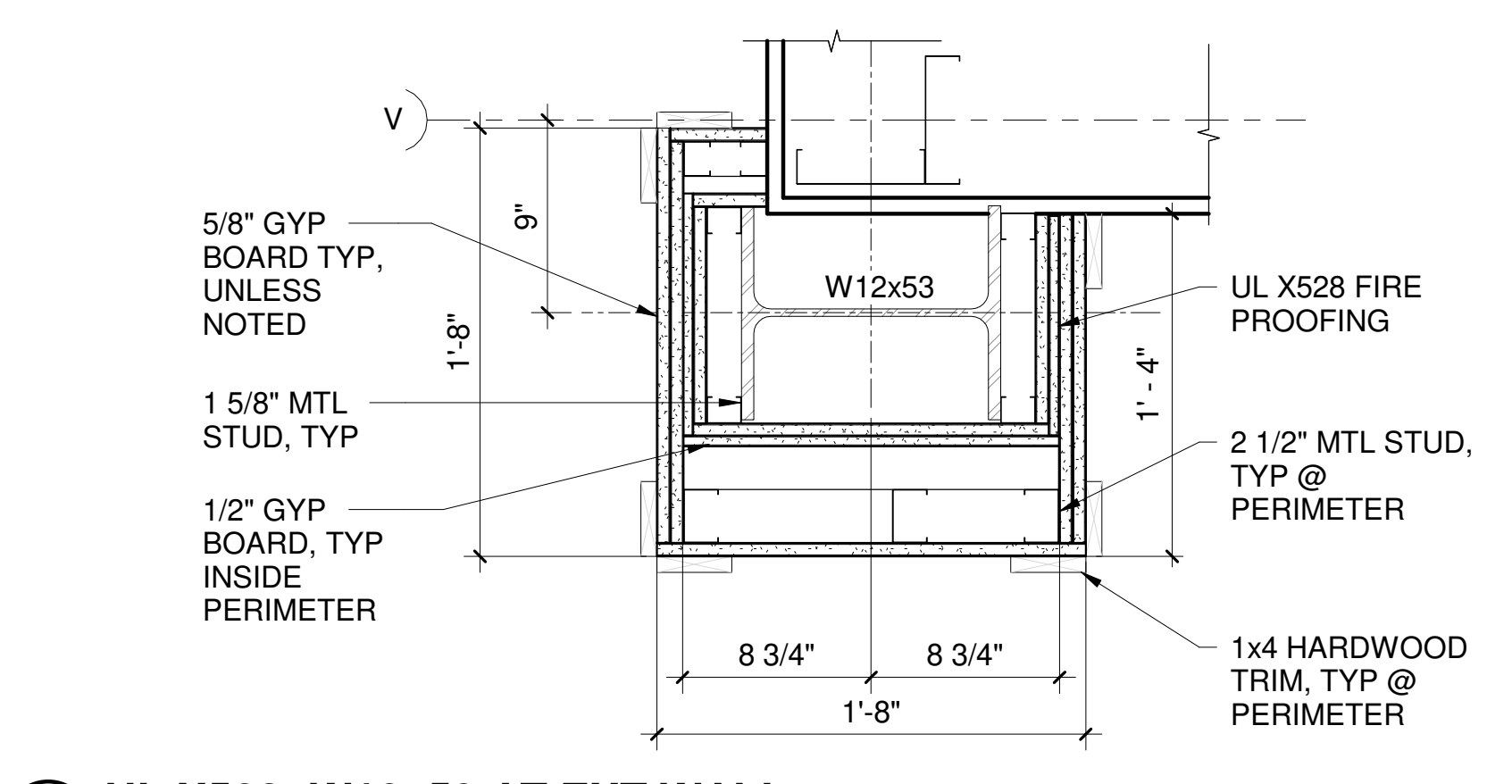
5 UL X528-W14x82 (Q/19)
1 1/2" = 1'-0"



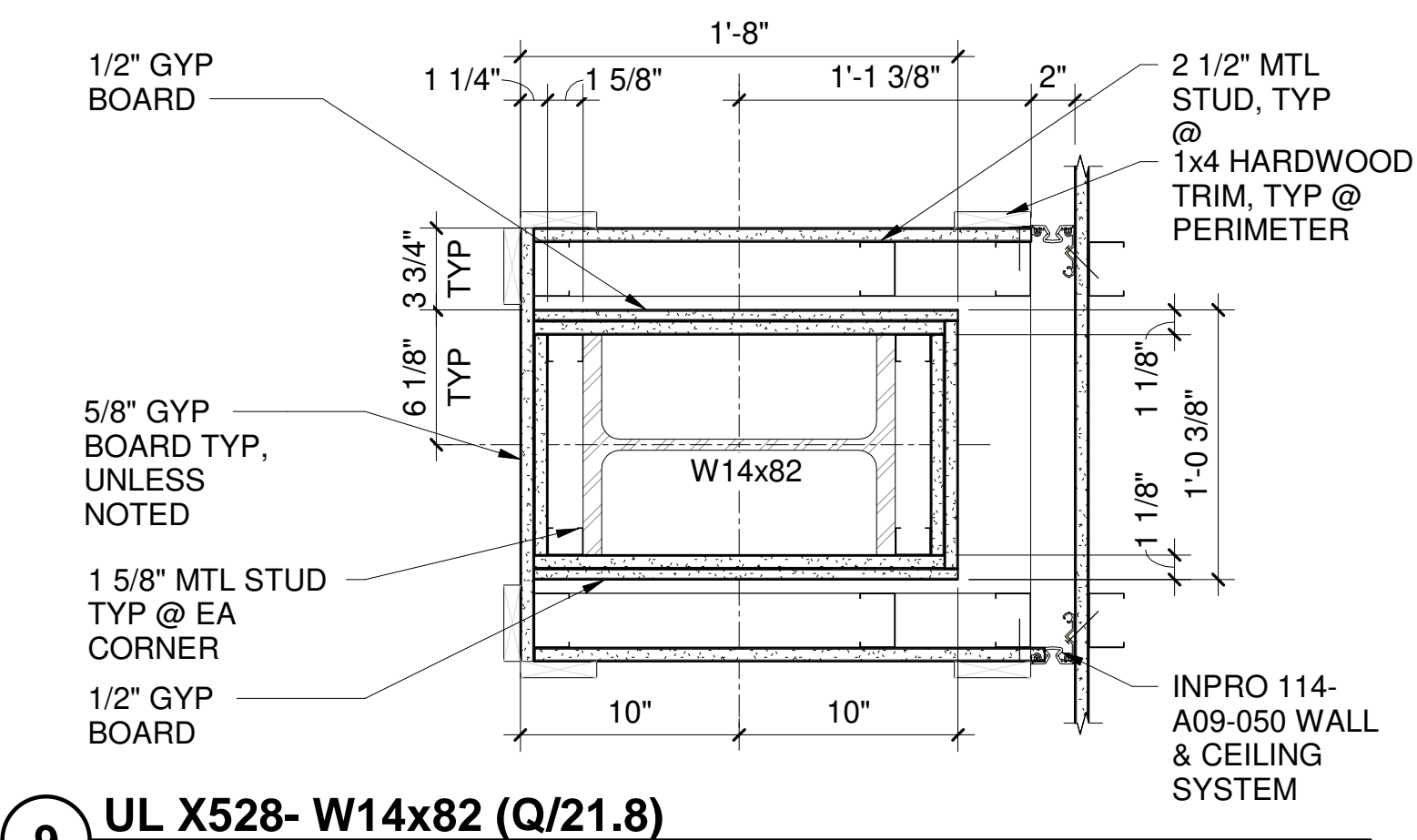
12 EX W10x54
1 1/2" = 1'-0"



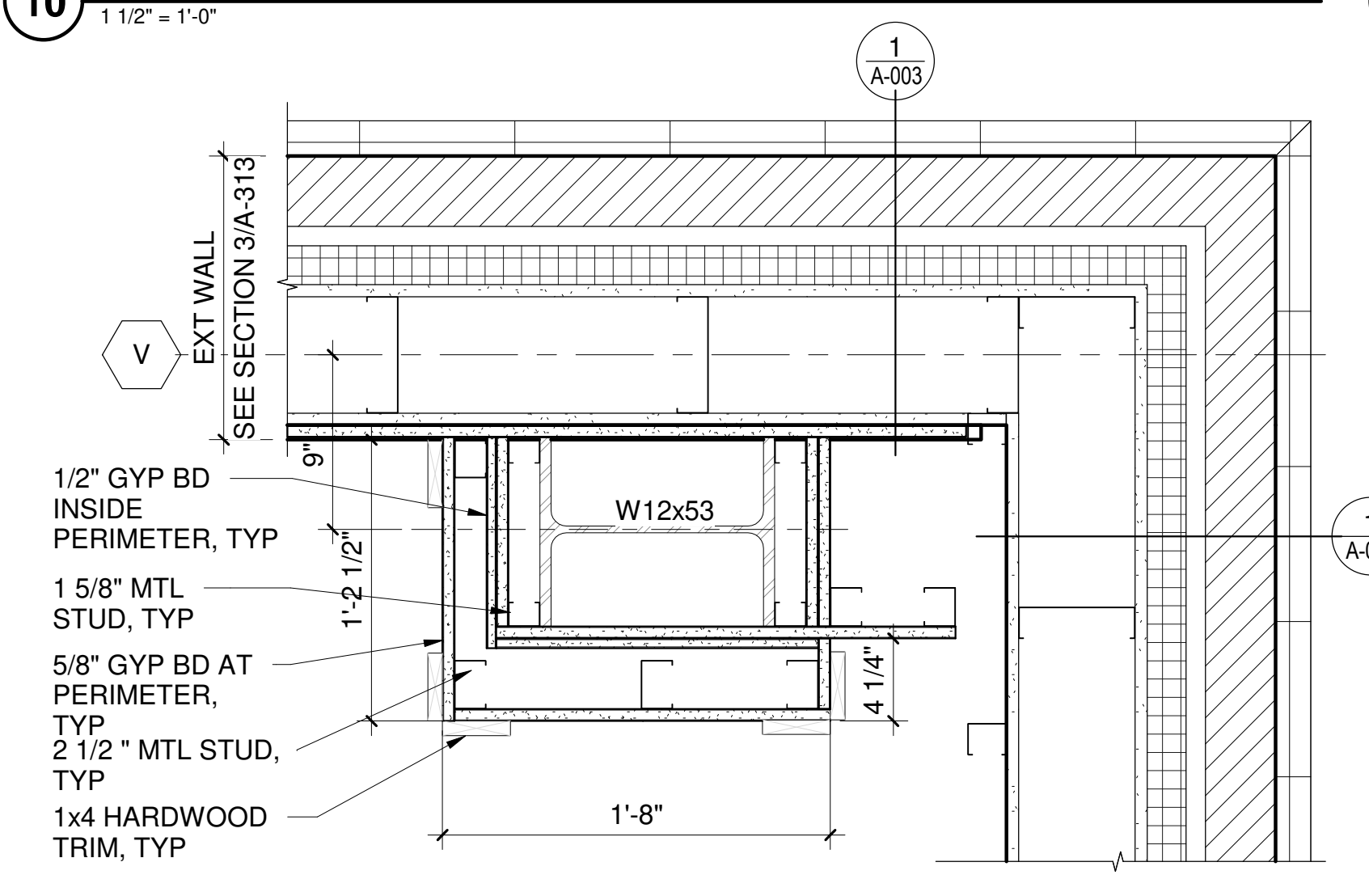
11 J/22 OVERHEAD GRILLE JAMB
1 1/2" = 1'-0"



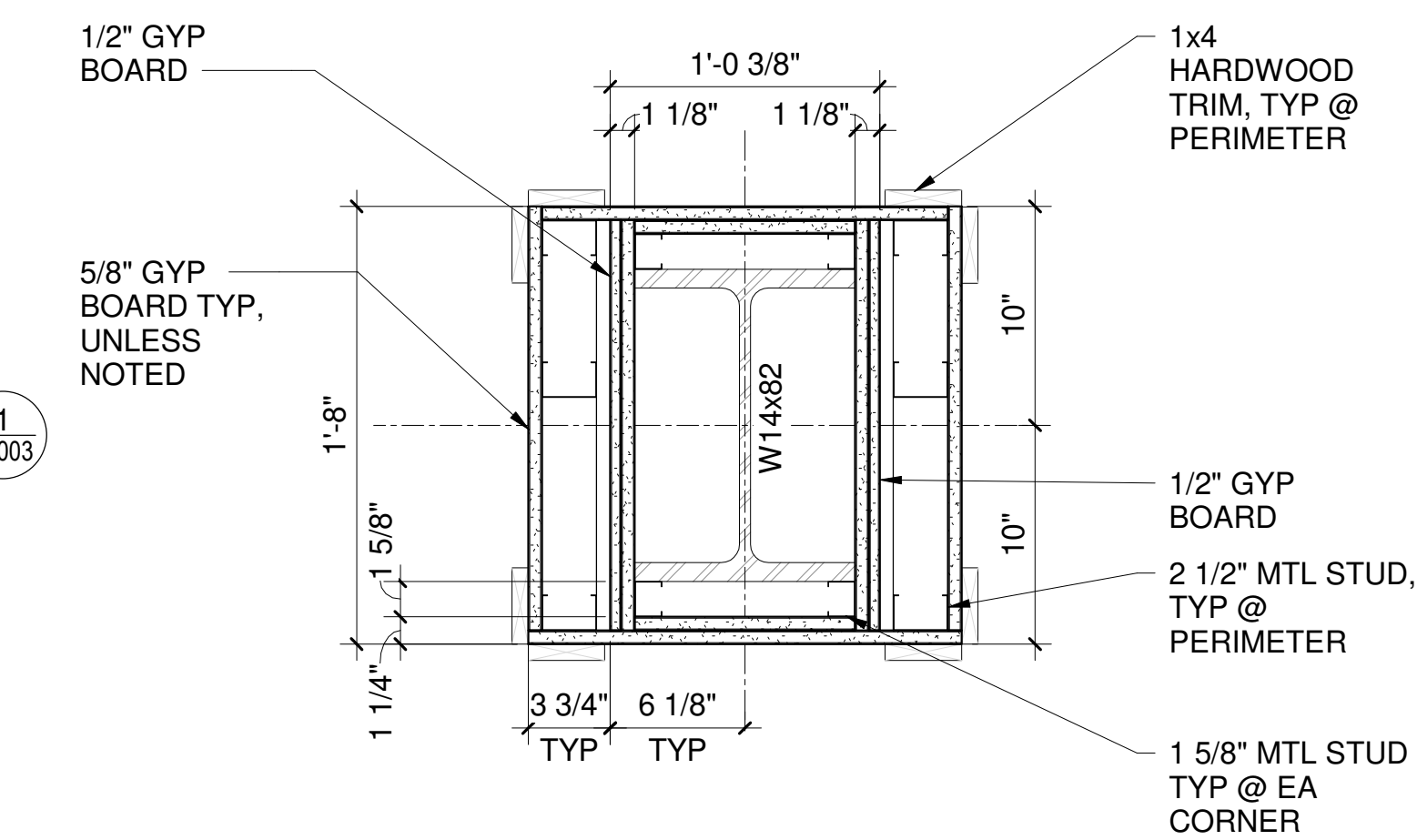
10 UL X528- W12x53 AT EXT WALL
1 1/2" = 1'-0"



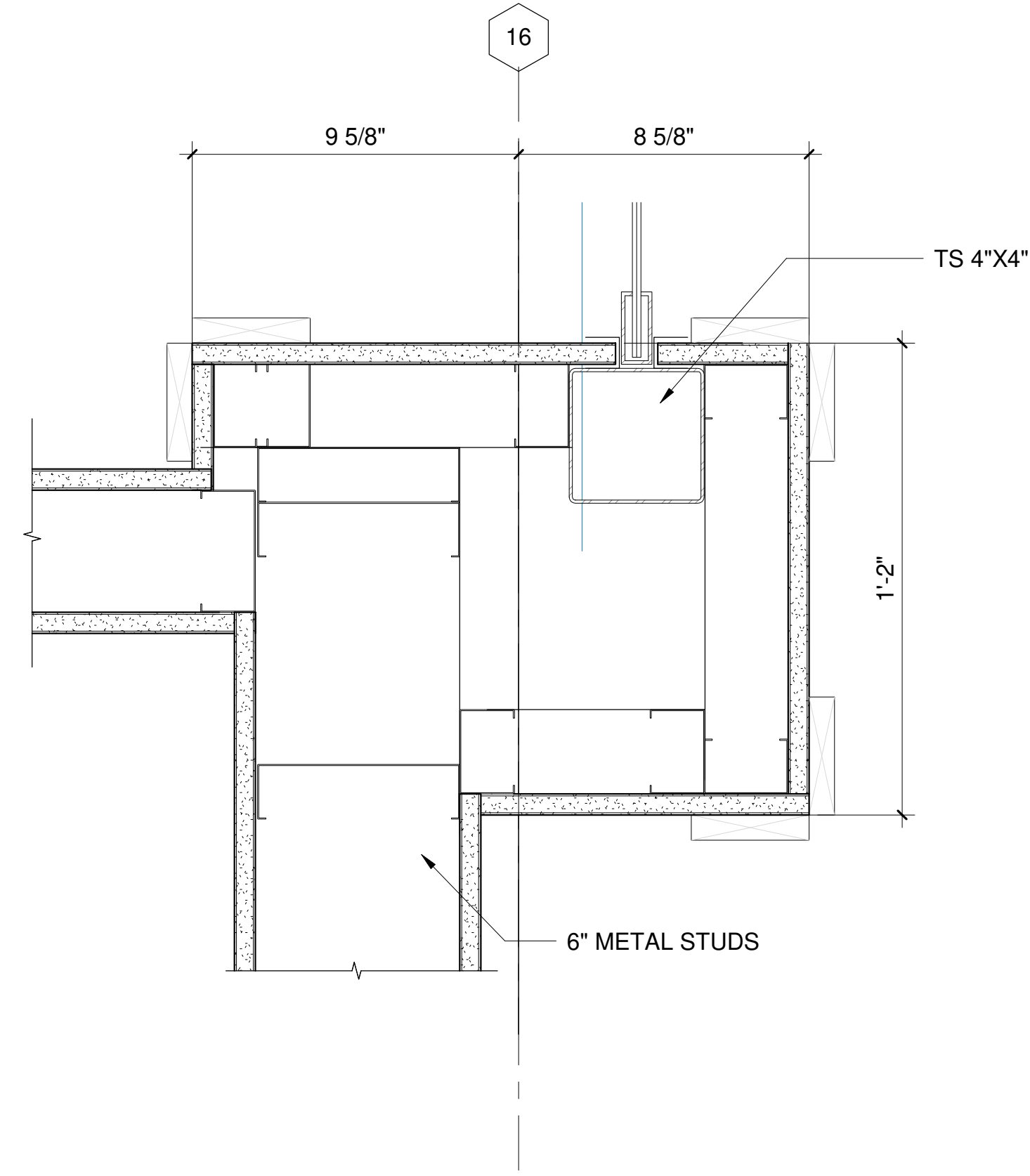
9 UL X528- W14x82 (Q/21.8)
1 1/2" = 1'-0"



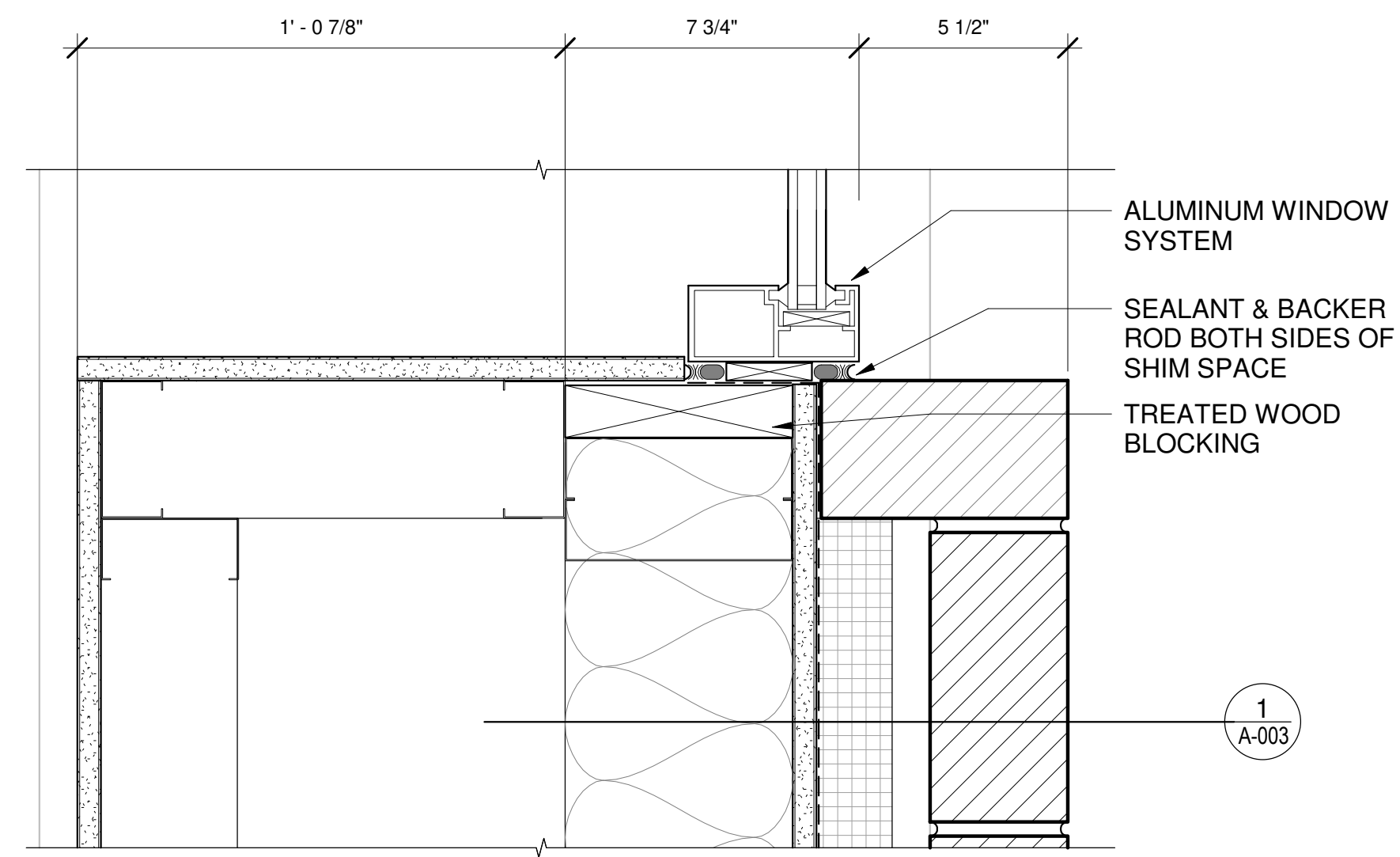
14 UL X528 W12x53 AT EXT WALL
1 1/2" = 1'-0"



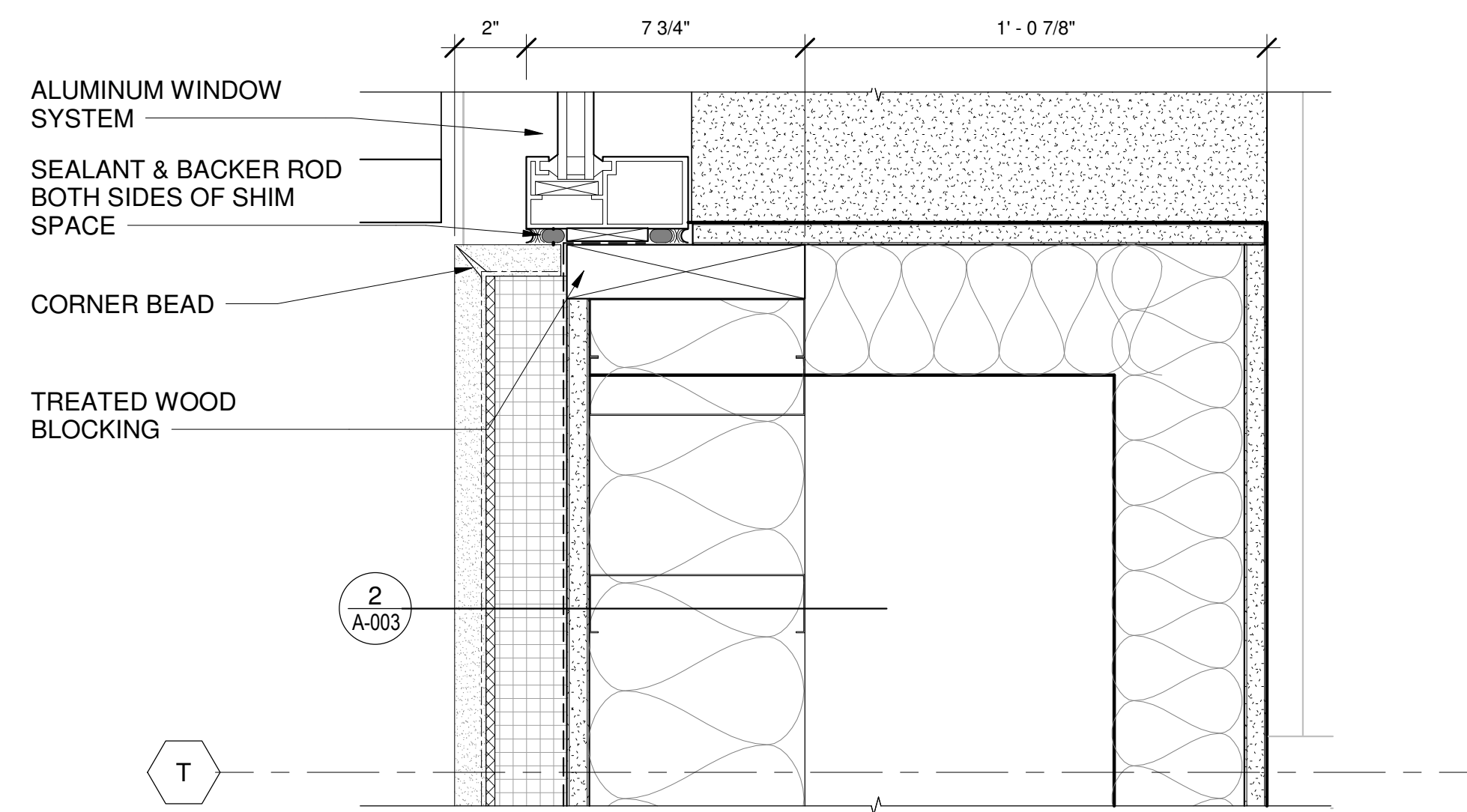
13 UL X528- W14x82 SIM
1 1/2" = 1'-0"



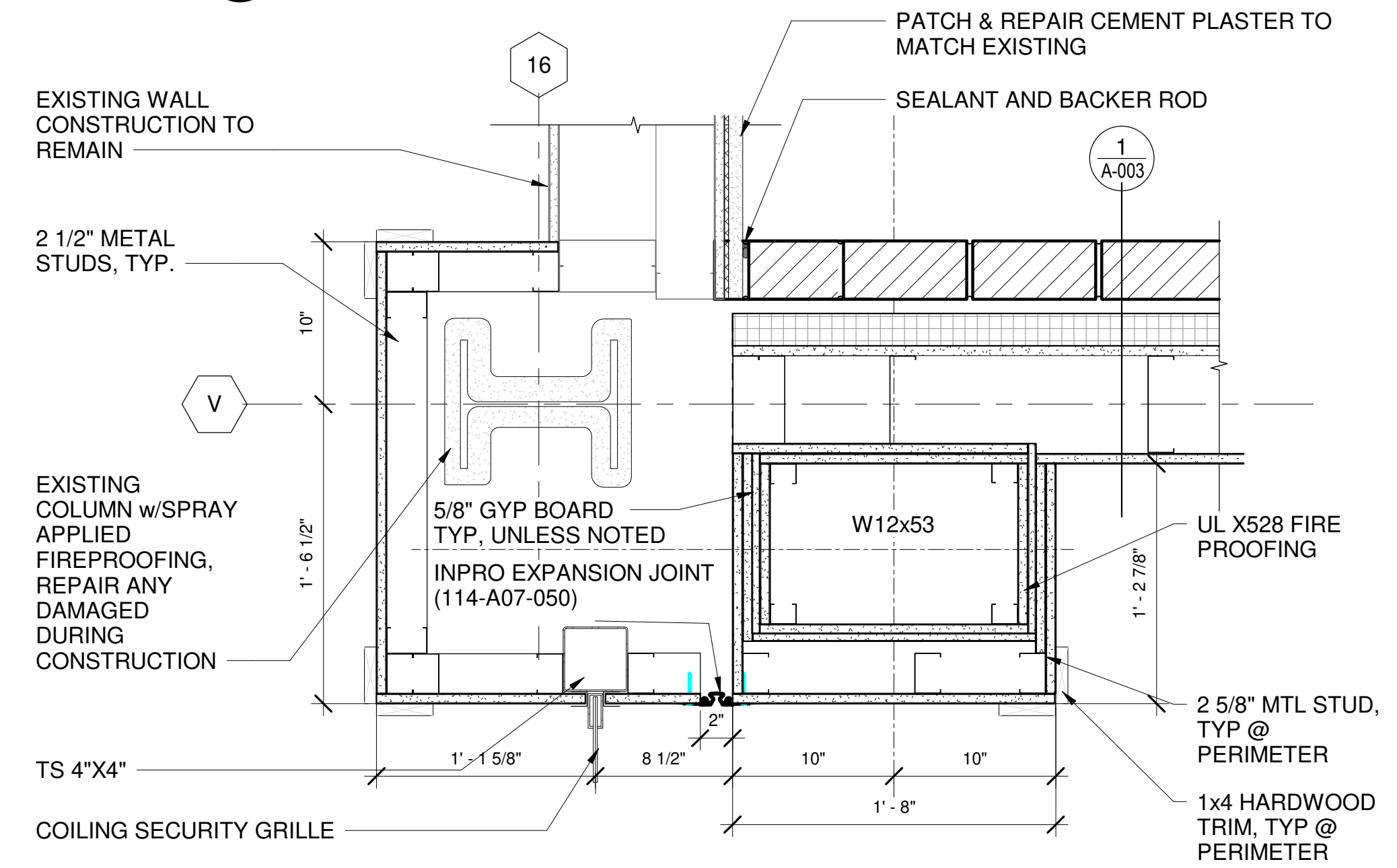
6 COILING GRILLE JAMB @ PRIVATE SCREENING
3" = 1'-0"



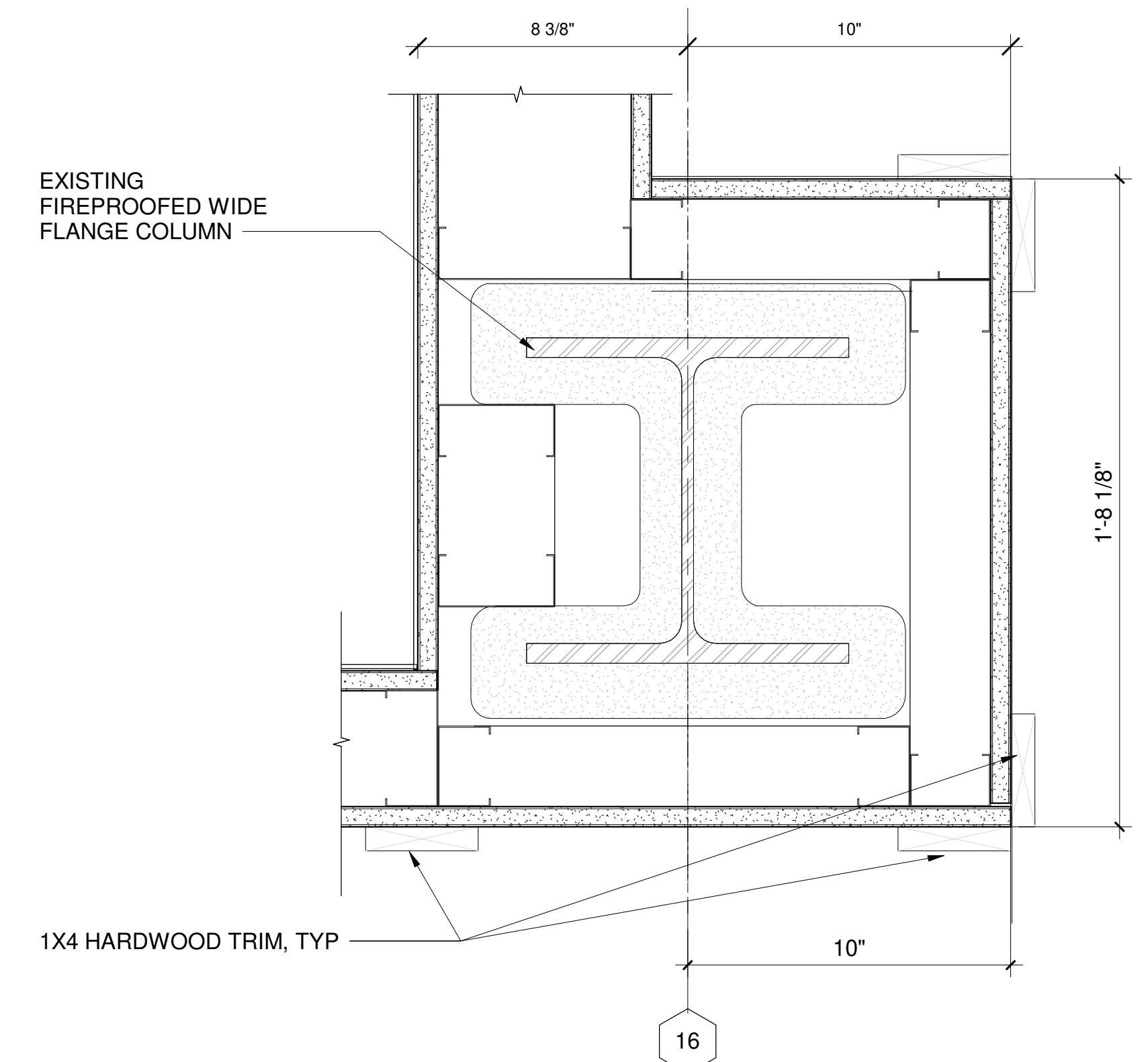
3 MONITOR WINDOW JAMB @ MASONRY
3" = 1'-0"



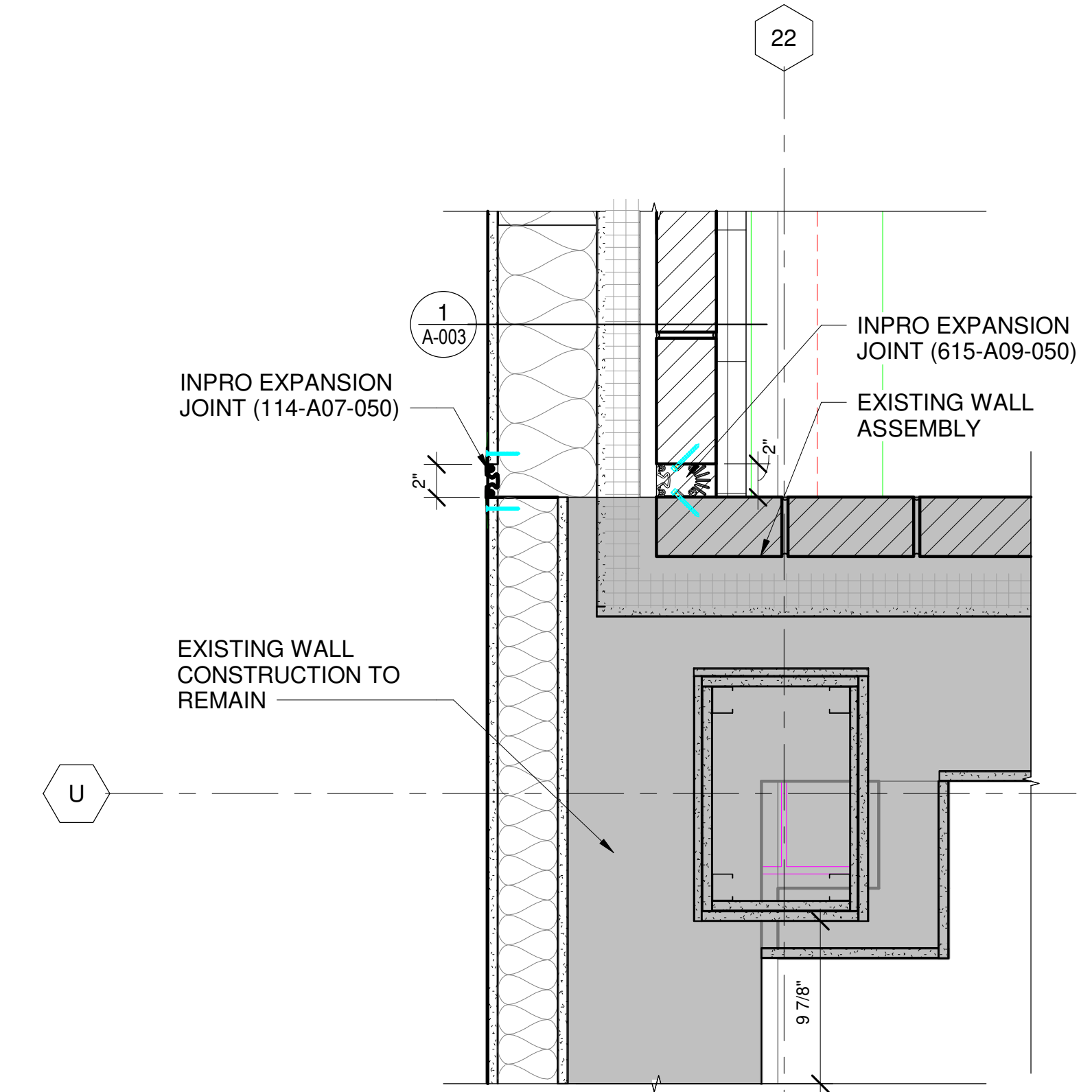
4 MONITOR WINDOW JAMB @ STUCCO
3" = 1'-0"



5 V/16 PLAN COLUMN WRAP DETAIL
1 1/2" = 1'-0"



1 PLAN DETAIL
3" = 1'-0"



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

9/14/2024 3:53:27 PM Autodesk Docs://Augusta Checkpoint Modernization/231215.02-A-R24.rvt



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**AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION**

1501 AVIATION WAY, AUGUSTA, GA 30906

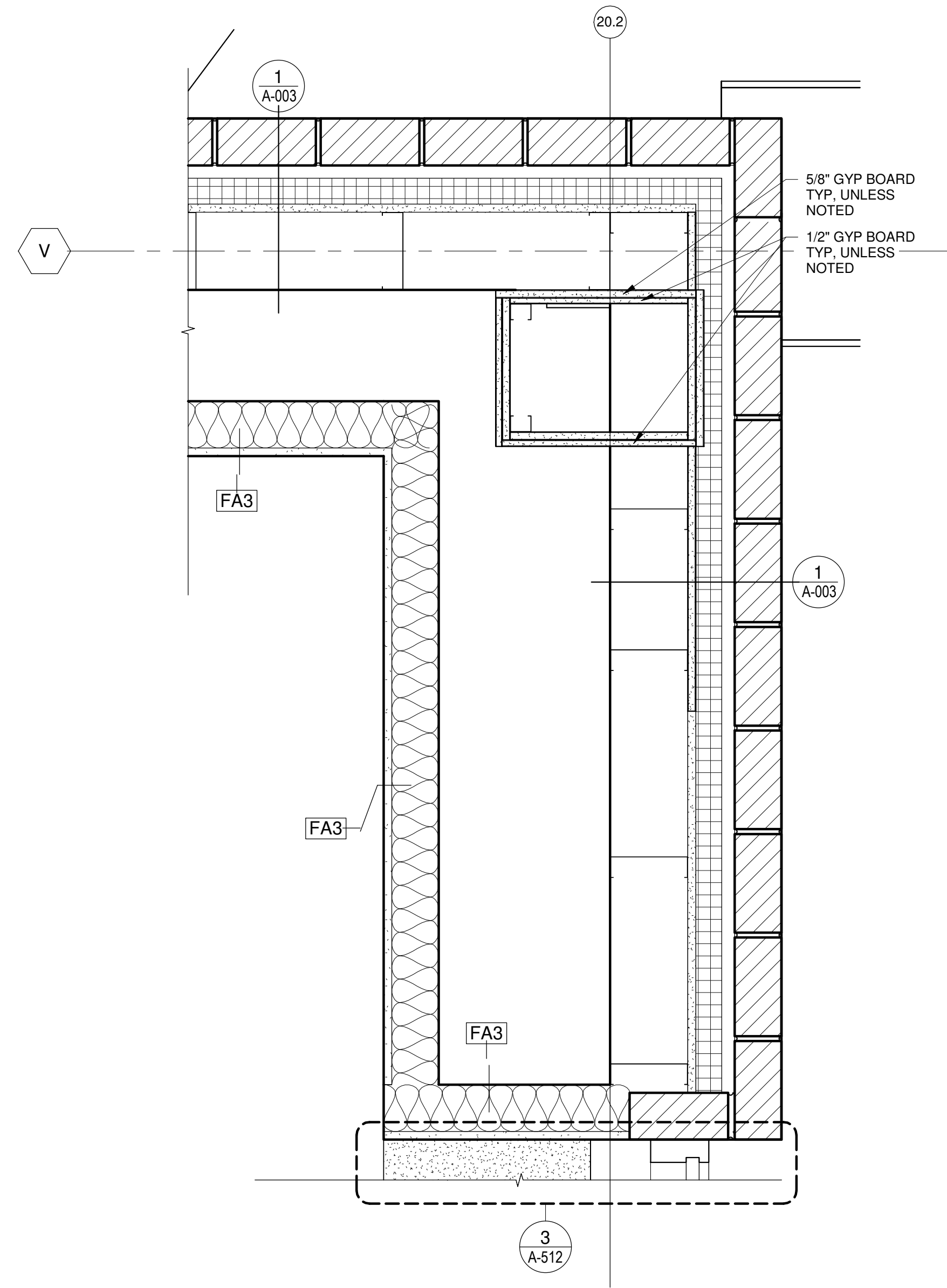
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MSH NO.: 0119700-231215.02
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DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
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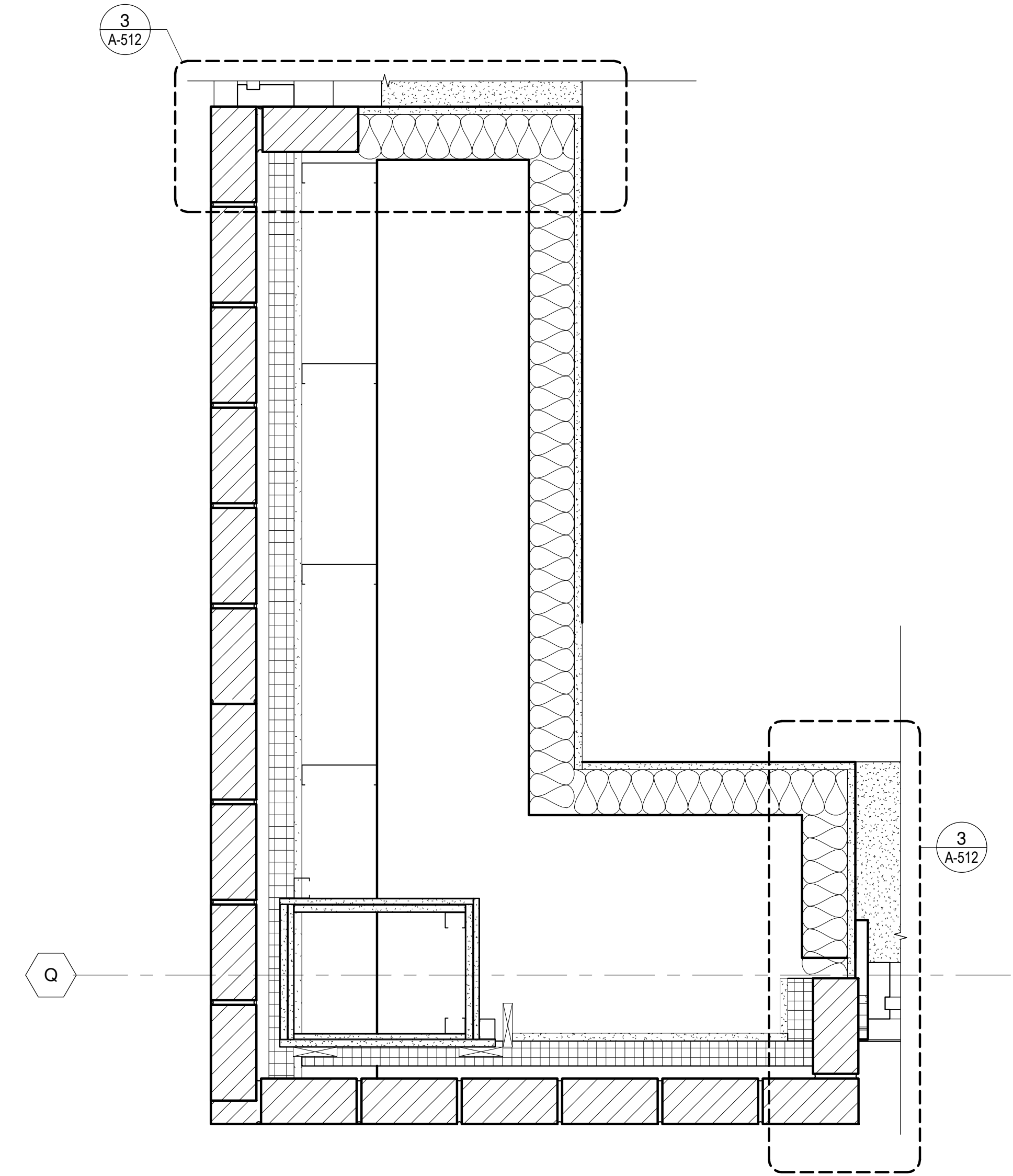
SHEET CONTENTS
PLAN DETAILS

SHEET NO.:

A-513



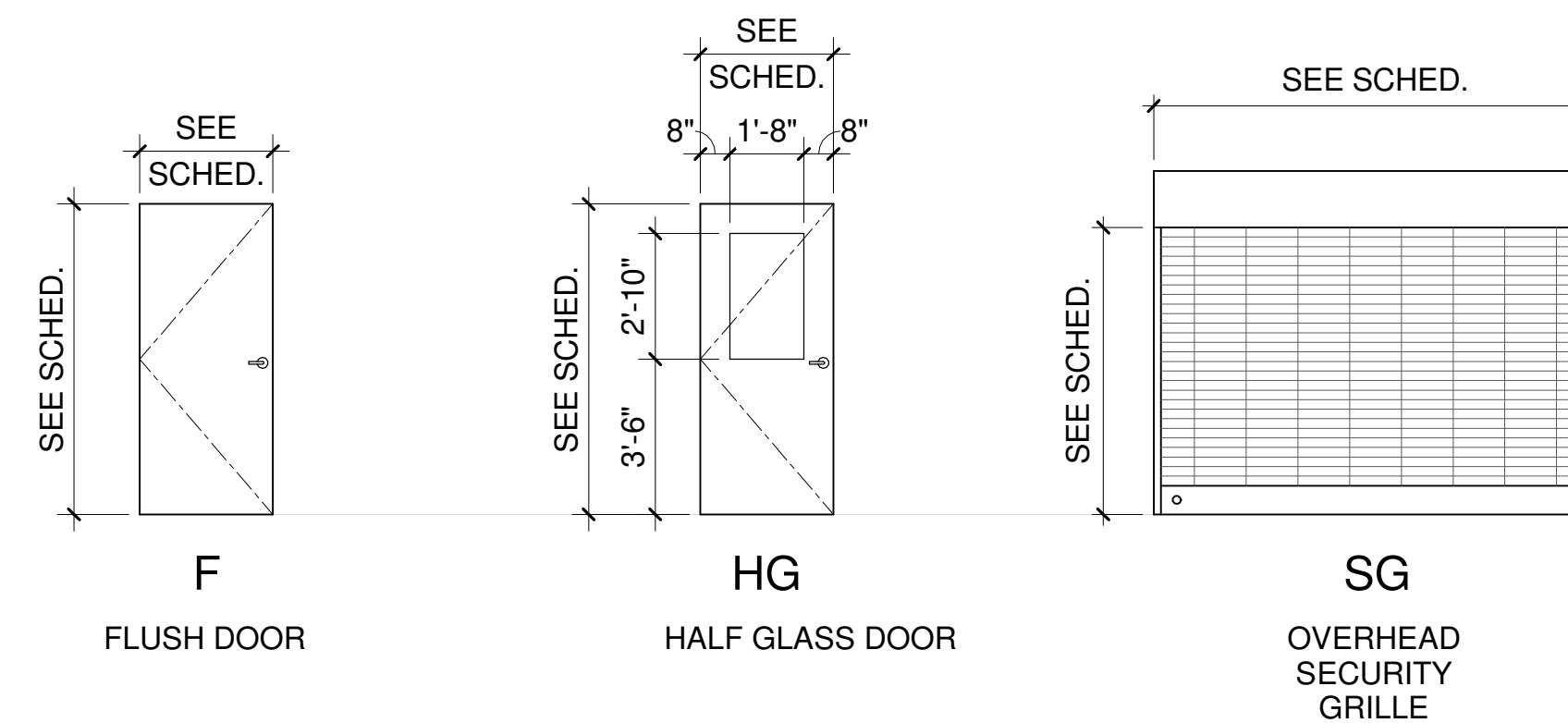
2 UL X528-W12x53 AT CLERESTORY WINDOW
1 1/2" = 1'-0"



1 PLAN DETAIL - AT CLERESTORY WINDOW
1 1/2" = 1'-0"

DOOR AND HARDWARE SCHEDULE

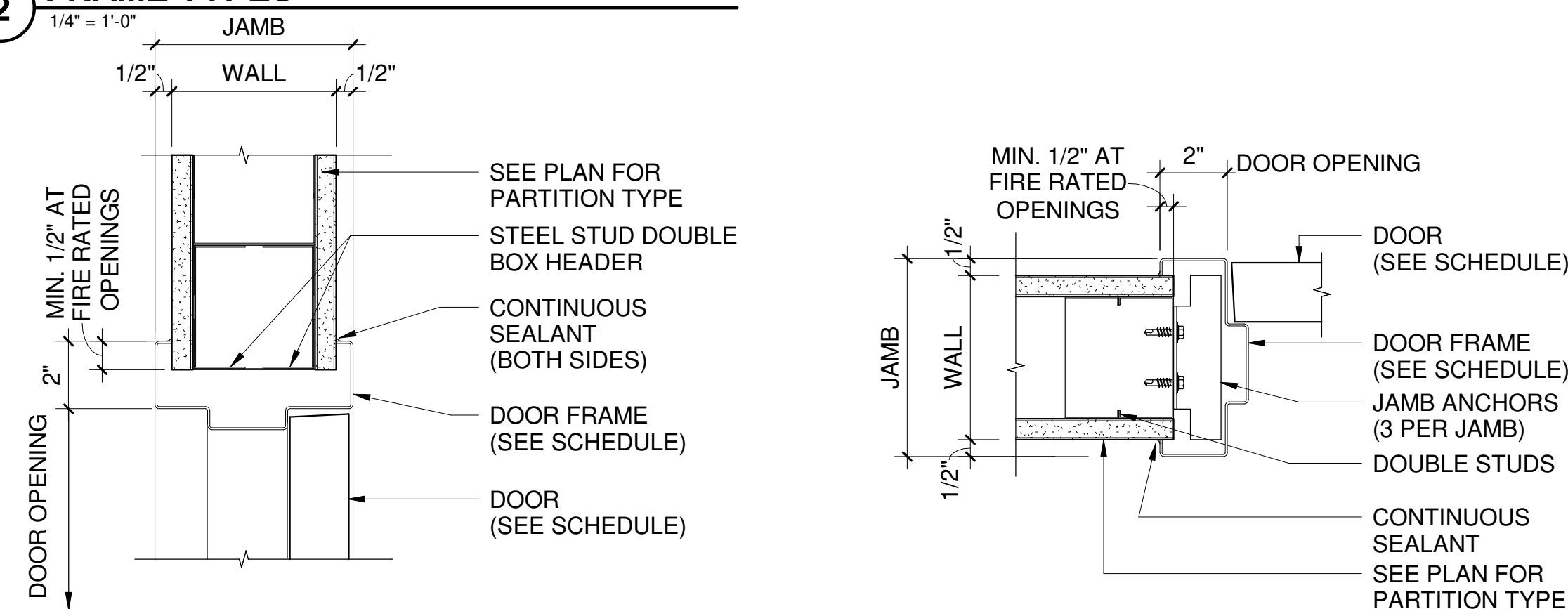
| DOOR NUMBER | QTY. | LEAF SIZE | | DOOR | | | | FRAME | | | | | MISCELLANEOUS | REMARKS | |
|-------------|------|-----------|--------|------|-------|--------------|--------|-------|-------|---------|---------|--------|---------------|-------------|--|
| | | WIDTH | HEIGHT | TYPE | MAT'L | GLAZING TYPE | FINISH | TYPE | MAT'L | DETAILS | | FINISH | HDWR SET | | |
| | | | | | | | | | | HEAD | JAMB | | | | |
| B109A | - | 19'-3" | 10'-2" | SG1 | | | | - | | | | | | | |
| B110A | - | 25'-1" | 10'-2" | SG1 | | | | - | | | | | | | |
| B110B | (1) | 3'-0" | 7'-0" | WD | WD | | | F1 | WD | | | | | | |
| B110N | - | 11'-4" | 9'-10" | SG1 | | | | - | | | | | | | |
| B111 | (1) | 3'-0" | 7'-0" | HG | WD | T | WD | F1 | PT | 3/A-601 | 3/A-601 | PT | | MIN. STC 43 | |
| B120O | (1) | 3'-0" | 7'-0" | HG | HM | T | HM | F1 | PT | 3/A-601 | 3/A-601 | PT | | | |
| B150 | (1) | 3'-0" | 7'-0" | F | WD | T | WD | F1 | PT | 3/A-601 | 3/A-601 | PT | | | |
| B151 | (1) | 3'-0" | 7'-0" | F | WD | T | WD | F1 | PT | 3/A-601 | 3/A-601 | PT | | MIN. STC 43 | |
| B152 | (1) | 3'-0" | 7'-0" | F | WD | T | HM | F1 | PT | 3/A-601 | 3/A-601 | PT | | MIN. STC 43 | |
| B153 | (1) | 3'-0" | 7'-0" | F | WD | T | WD | F1 | PT | 3/A-601 | 3/A-601 | PT | | MIN. STC 43 | |
| B154 | (1) | 3'-0" | 7'-0" | F | WD | T | WD | F1 | PT | 3/A-601 | 3/A-601 | PT | | MIN. STC 43 | |
| B155 | (1) | 3'-0" | 7'-0" | F | WD | T | WD | F1 | PT | 3/A-601 | 3/A-601 | PT | | MIN. STC 43 | |
| B159 | (2) | 3'-0" | 8'-0" | F | HM | T | HM | F1 | PT | 3/A-601 | 3/A-601 | PT | | | |
| D106 | (1) | 3'-0" | 7'-0" | F | WD | T | WD | F1 | PT | 3/A-601 | 3/A-601 | PT | | MIN. STC 43 | |
| D107 | (1) | 3'-0" | 7'-0" | F | HM | | HM | F1 | PT | 3/A-601 | 3/A-601 | PT | | | |
| D110 | (1) | 3'-0" | 7'-0" | F | HM | T | HM | F1 | PT | 3/A-601 | 3/A-601 | PT | | | |
| D111 | (1) | 3'-0" | 7'-0" | F | HM | T | HM | F1 | PT | 3/A-601 | 3/A-601 | PT | | | |
| D113 | (1) | 3'-0" | 7'-0" | F | HM | T | HM | F1 | PT | 3/A-601 | 3/A-601 | PT | | | |
| D114 | (1) | 3'-0" | 7'-0" | F | HM | T | HM | F1 | PT | 3/A-601 | 3/A-601 | PT | | | |
| D115 | (1) | 3'-0" | 7'-0" | F | HM | T | HM | F1 | PT | 3/A-601 | 3/A-601 | PT | | | |



1 DOOR TYPES
1/4" = 1'-0"



2 FRAME TYPES
1/4" = 1'-0"



3 DOOR HEAD AND JAMB DETAILS
3" = 1'-0"

Mead & Hunt
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Lexington, SC 29072
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AUGUSTA REGIONAL AIRPORT
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1501 AVIATION WAY, AUGUSTA, GA 30906

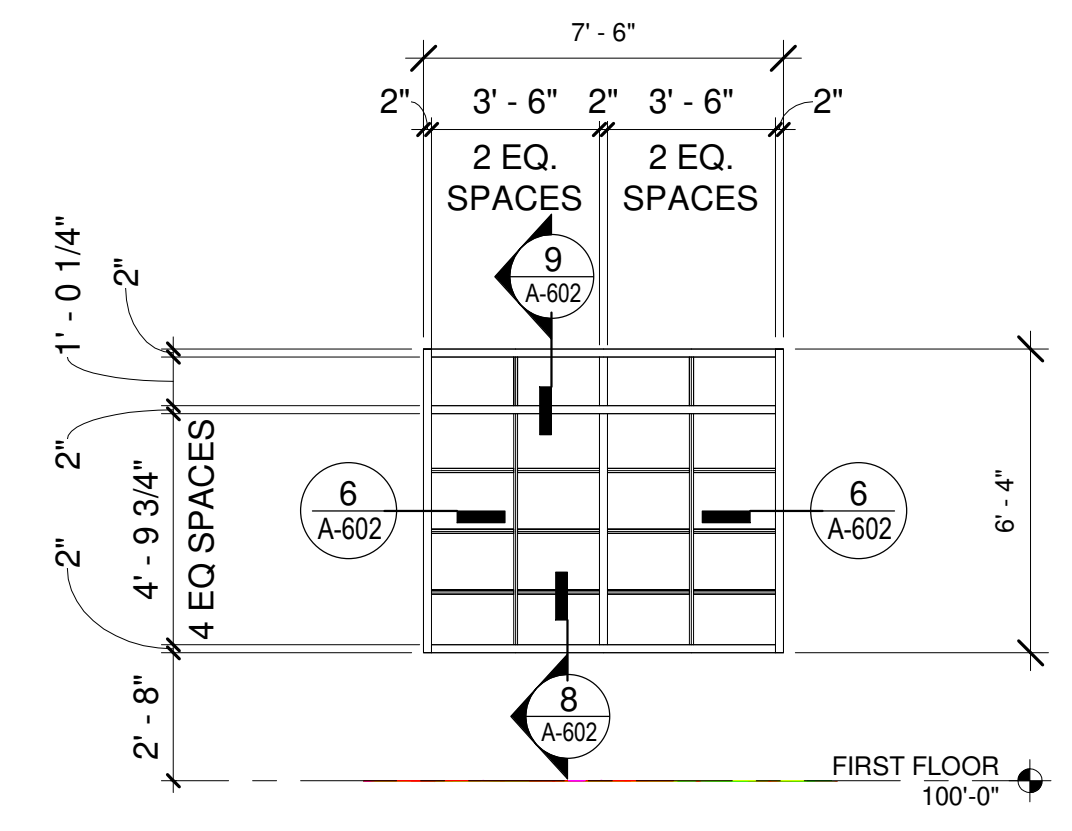
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MSH NO.: 0119700-231215.02
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DRAWN BY: CL
CHECKED BY: DR

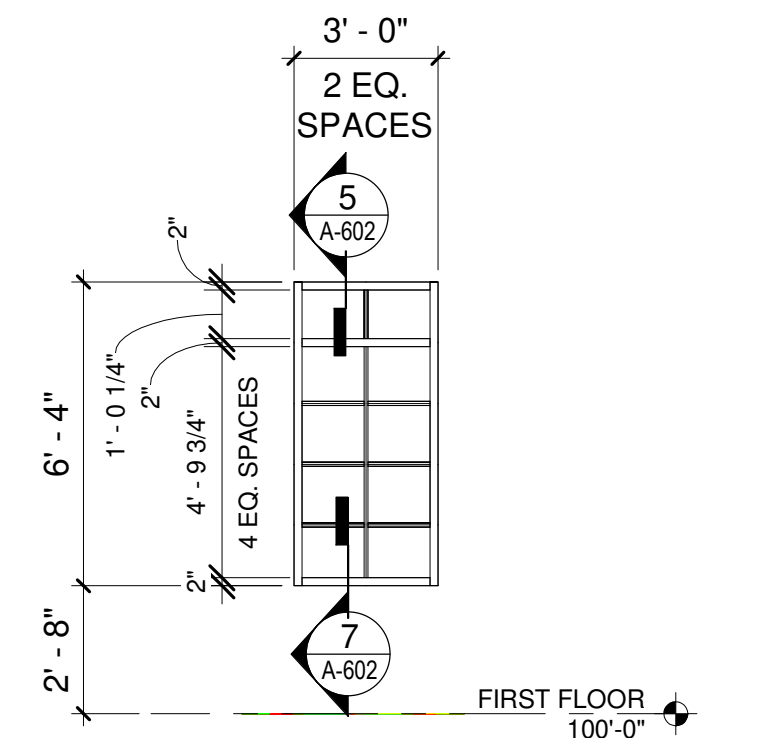
DO NOT SCALE DRAWINGS
SHEET CONTENTS
SCHEDULES

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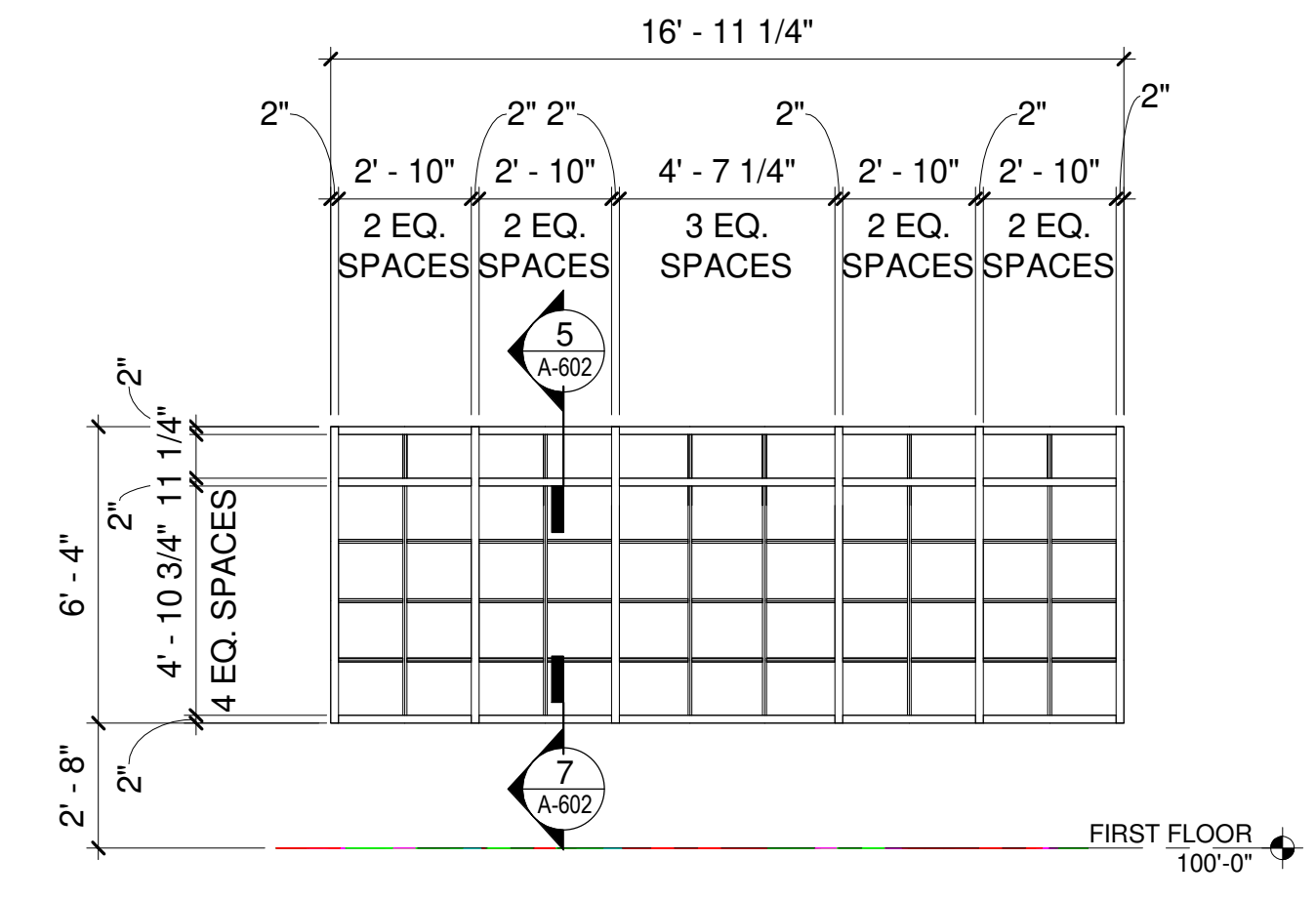
A-601



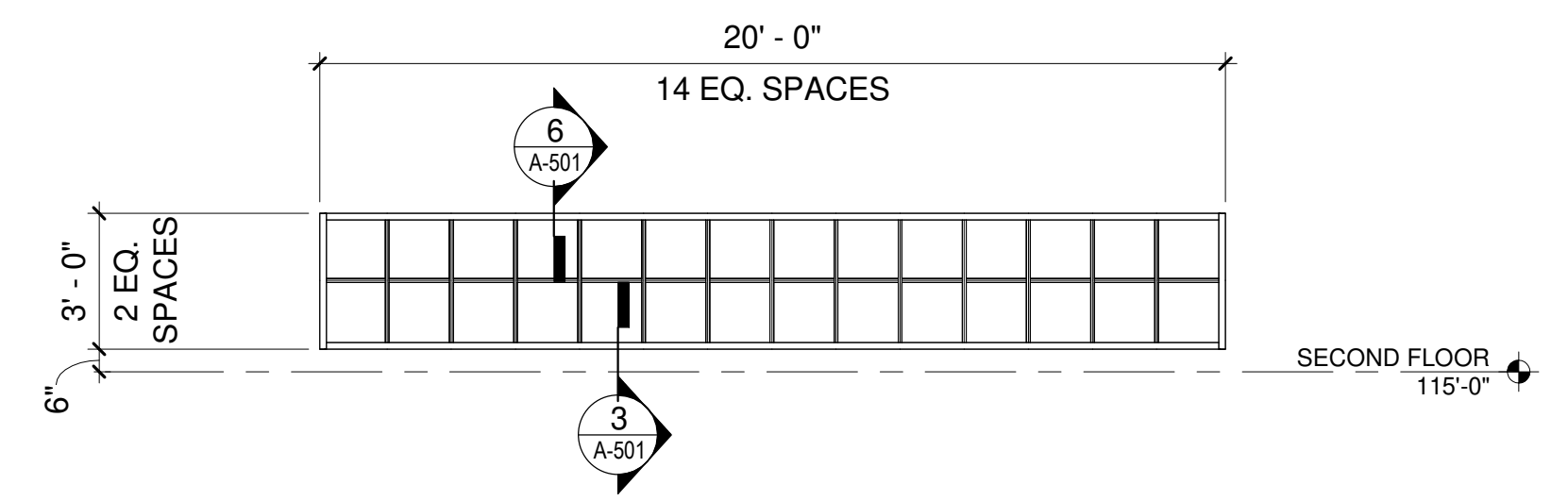
1 WINDOW 1
 1/4" = 1'-0"



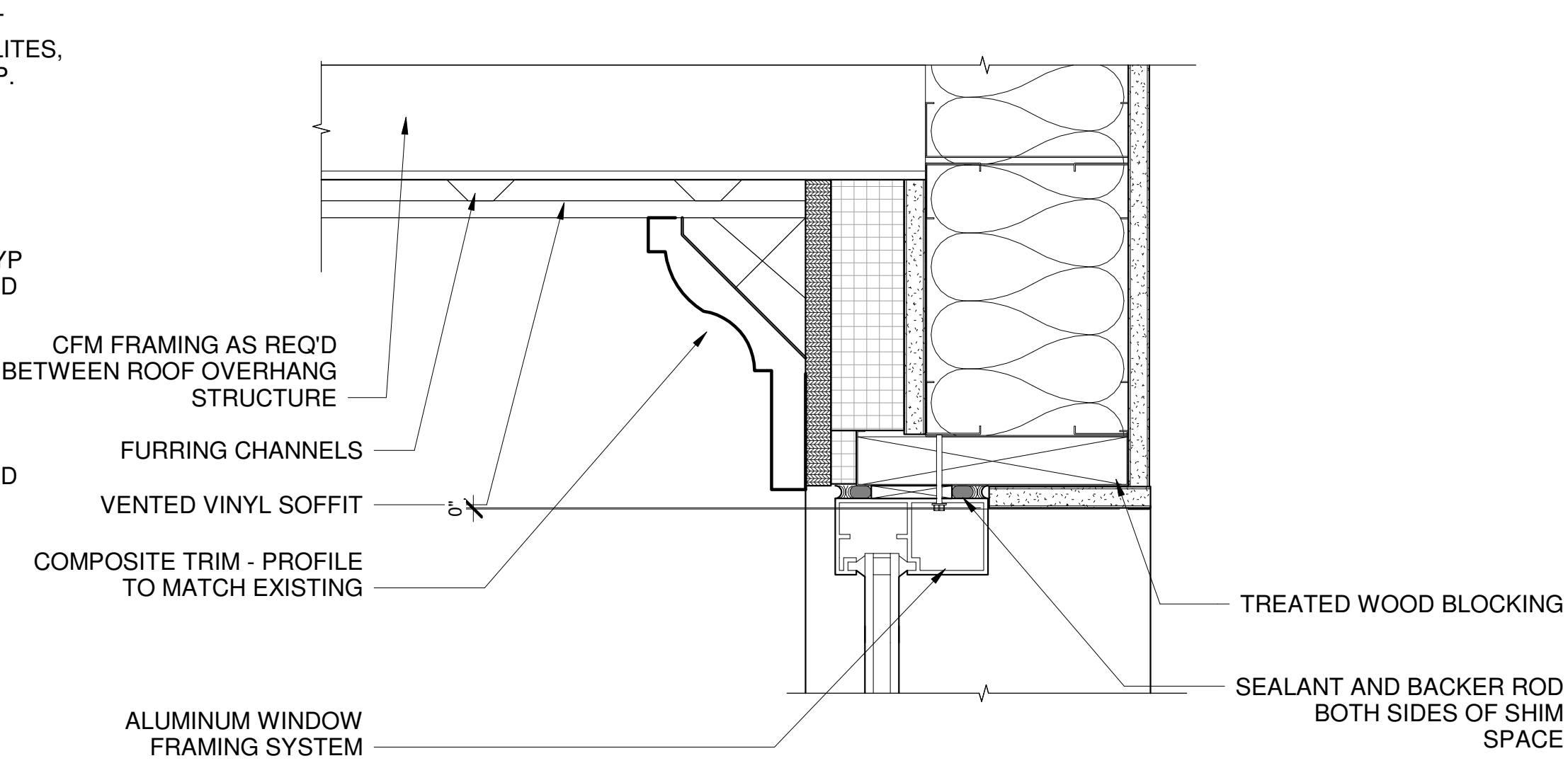
2 WINDOW 2
 1/4" = 1'-0"



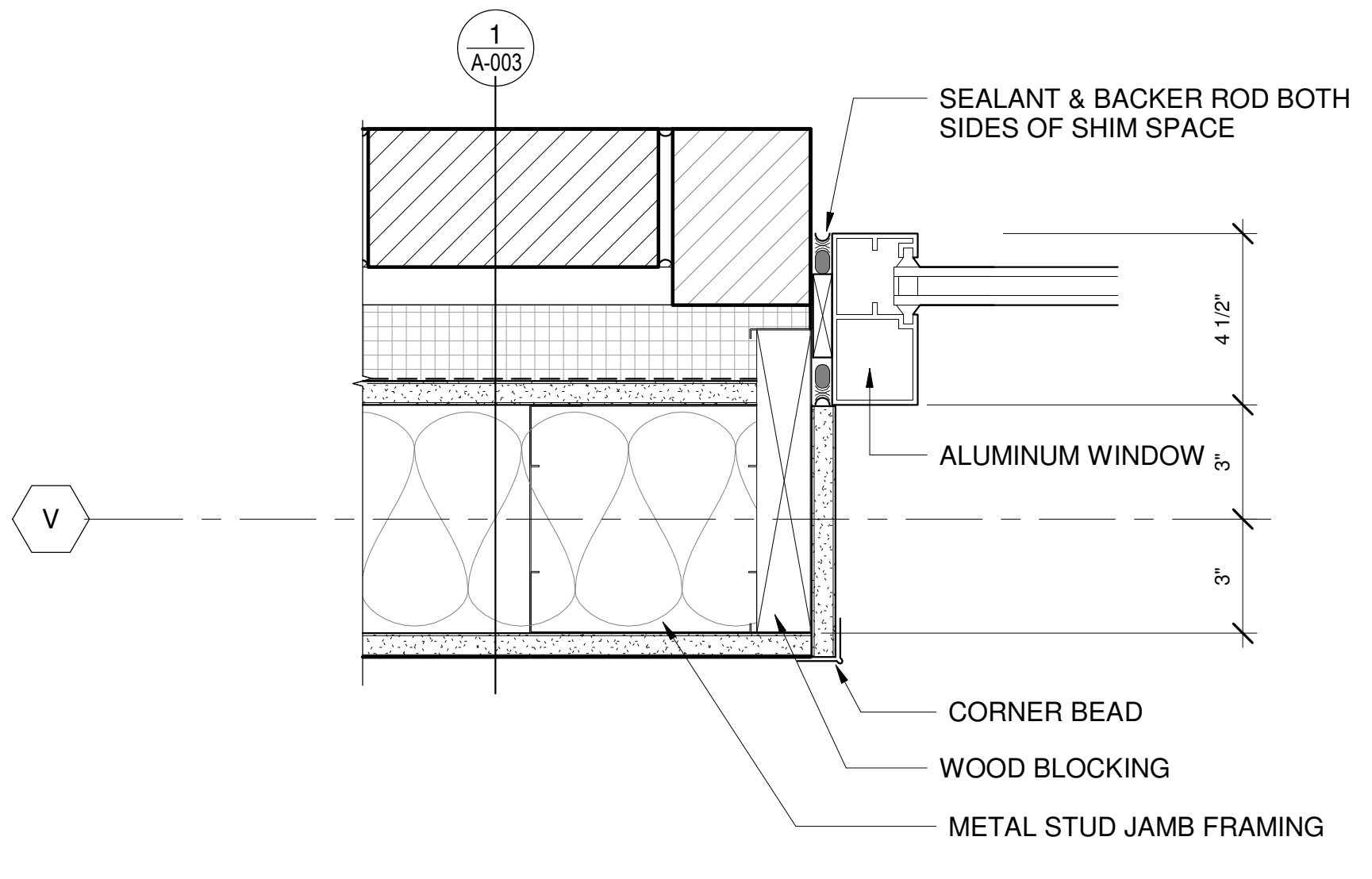
3 WINDOW 3
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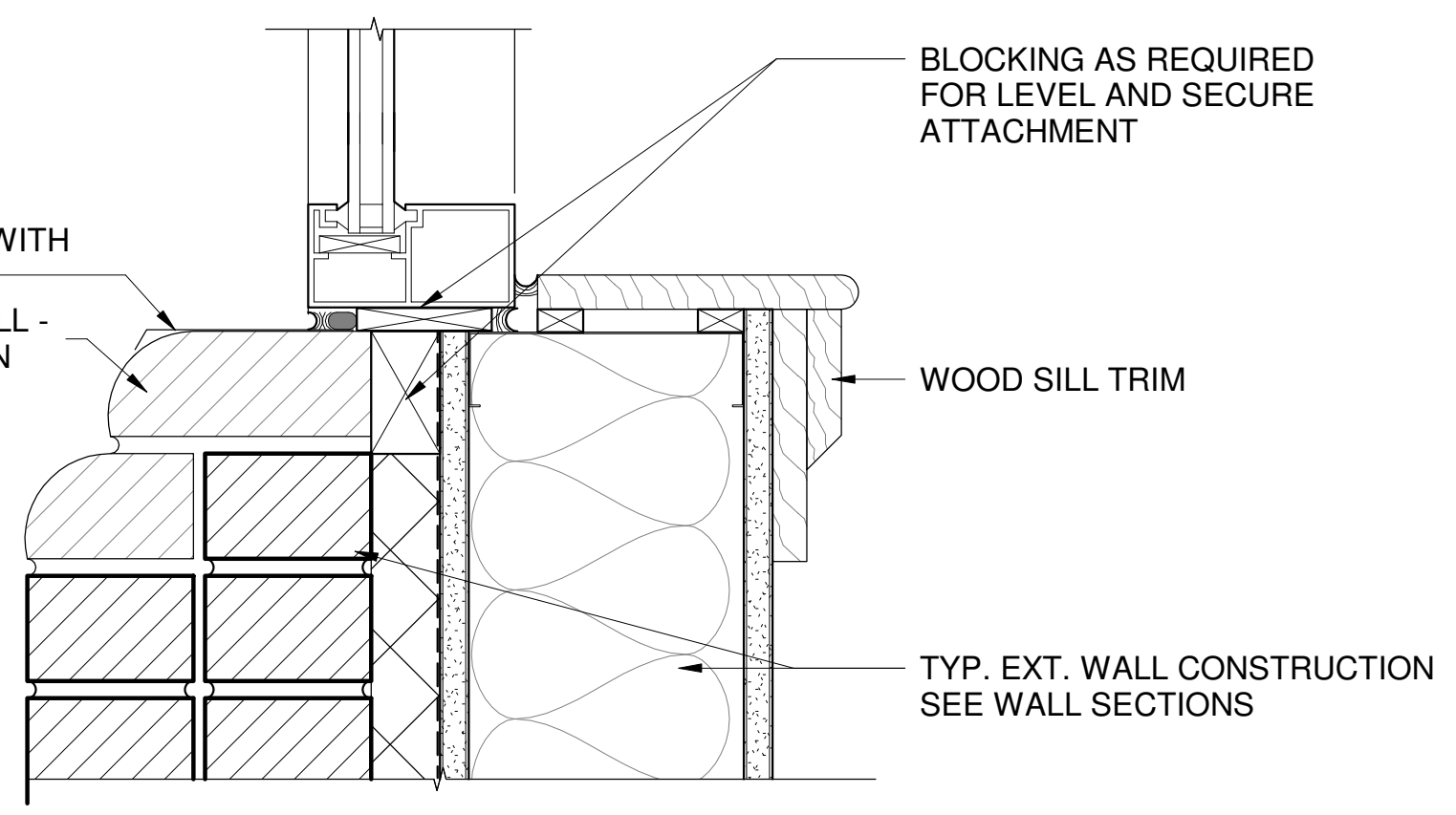
4 WINDOW 4
 1/4" = 1'-0"



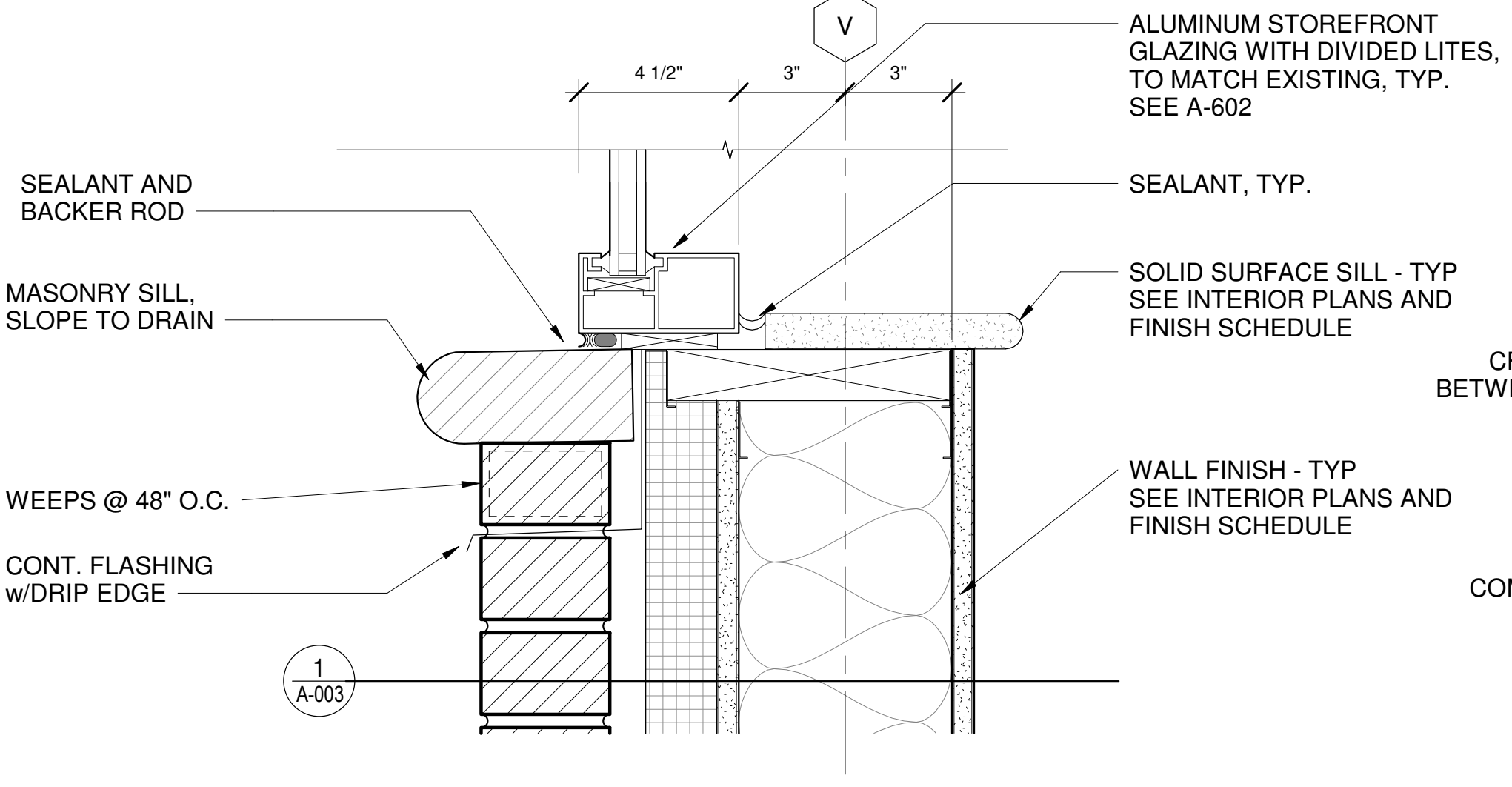
5 WINDOW HEAD DETAIL @ SOFFIT
 3" = 1'-0"



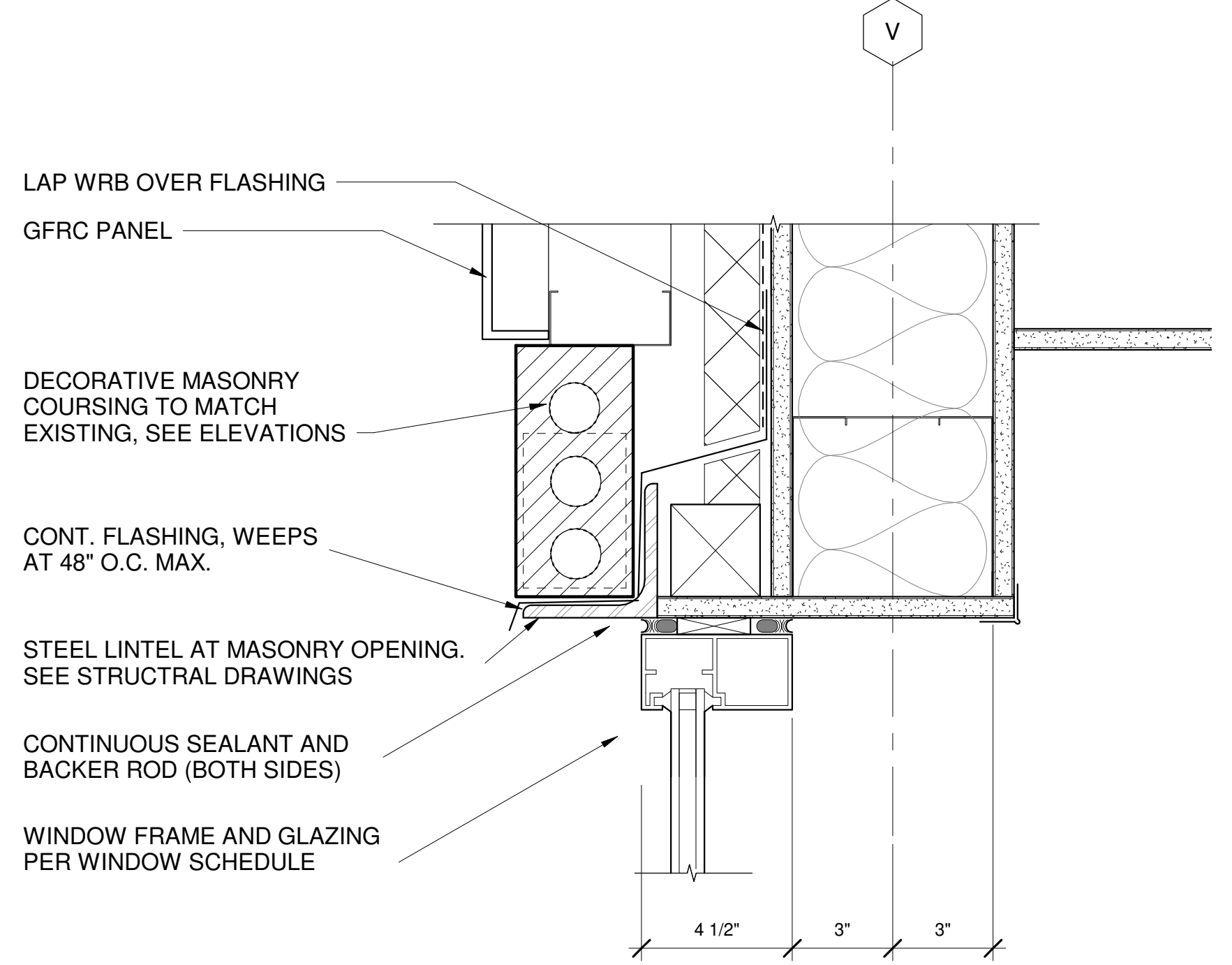
6 WINDOW JAMB @ MASONRY
 3" = 1'-0"



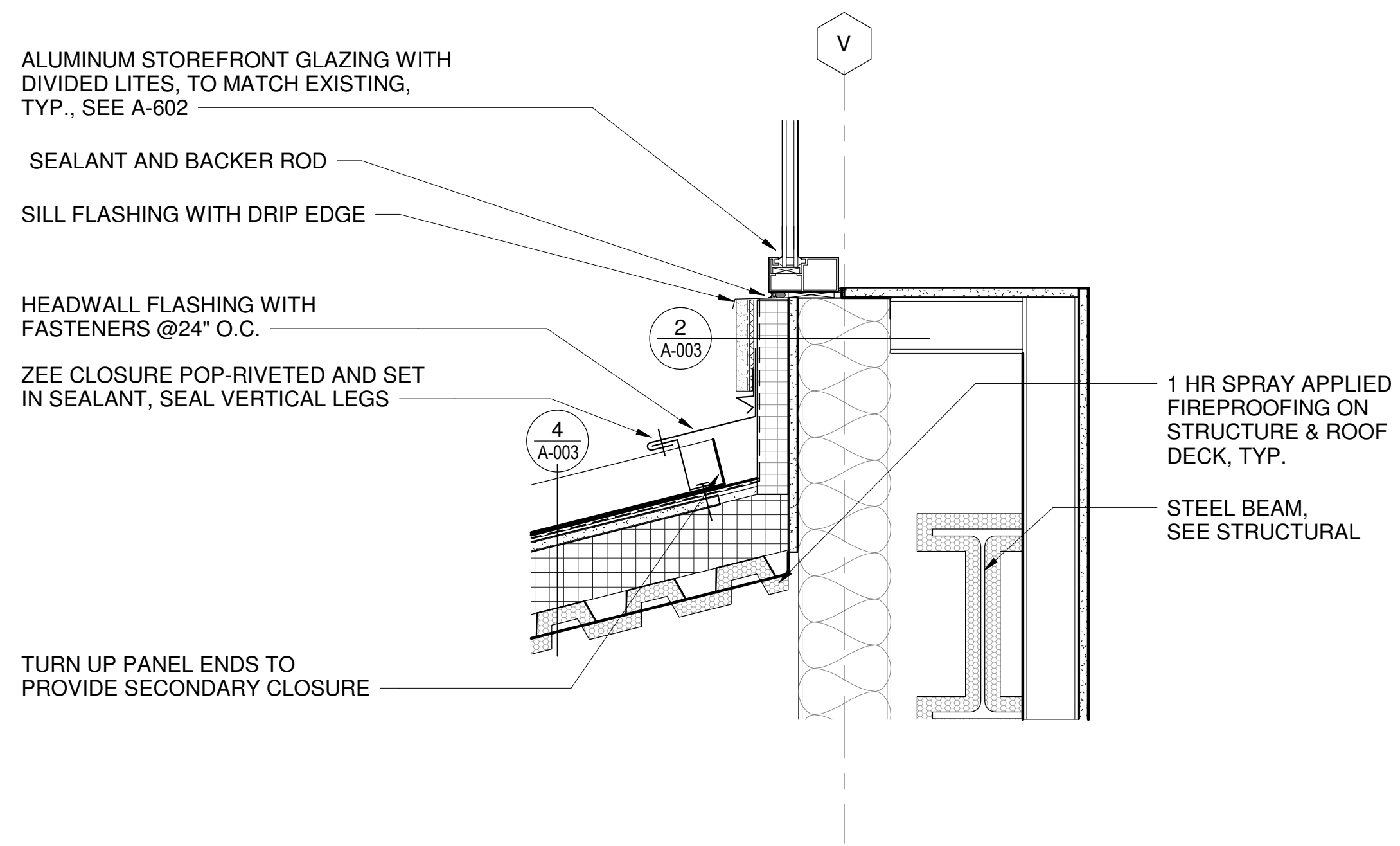
7 WINDOW SILL DETAIL @ MASONRY VENEER
 3" = 1'-0"



8 WINDOW SILL @ BRICK
 3" = 1'-0"



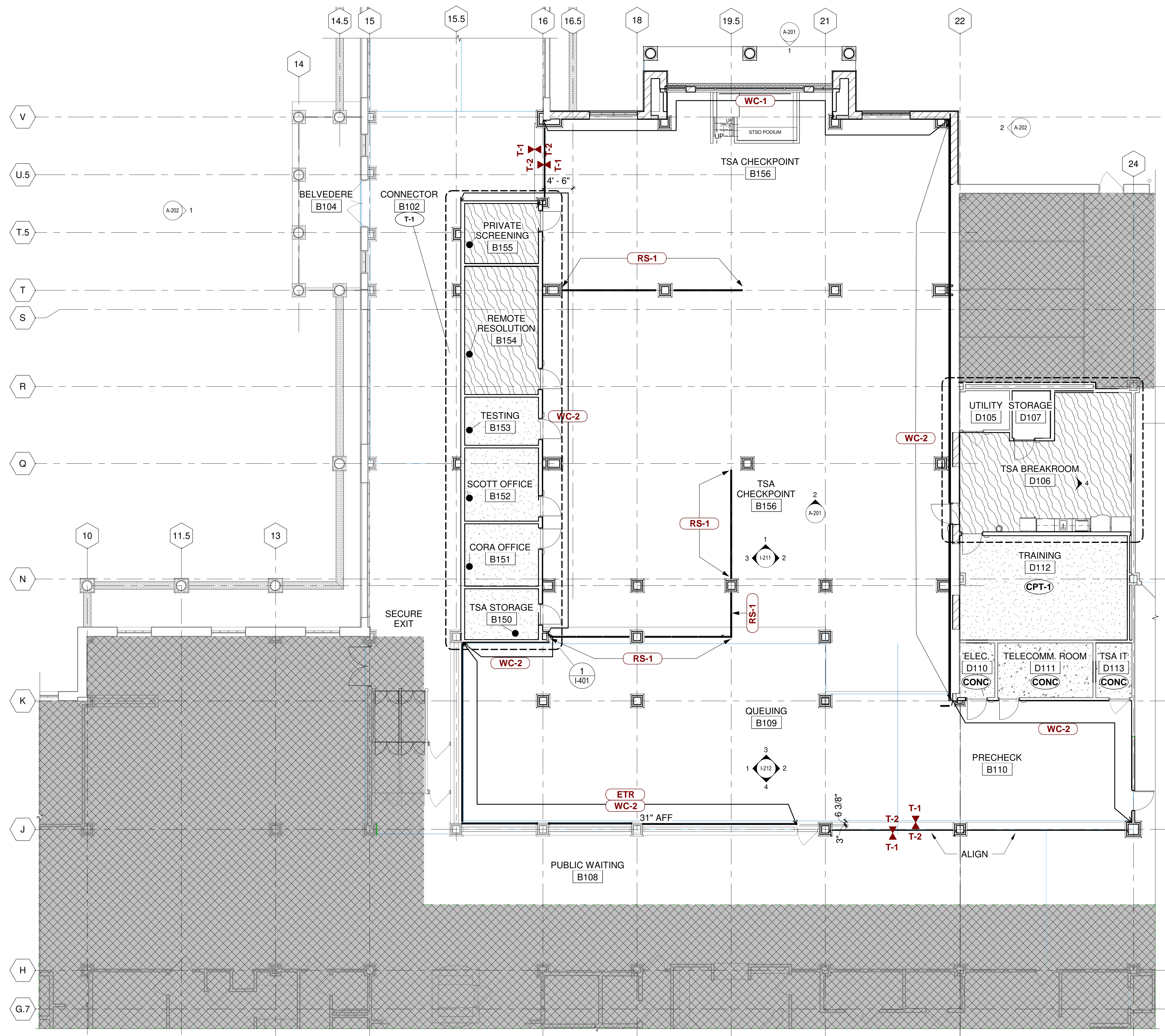
9 WINDOW HEAD @ SOLDIER BRICK
 3" = 1'-0"



10 WINDOW SILL - CLERESTORY @ SSM ROOF
 1 1/2" = 1'-0"

9/14/2024 3:53:28 PM Autodesk Docs://Augusta Checkpoint Modernization/231215.02-A-R24.rvt

9/14/2024 3:28:15 PM Autodesk Docs://Augusta Checkpoint Modernization/231215.02-A-R24.rvt



TRUE PLAN NORTH NORTH
FIRST FLOOR FINISH PLAN - AREA B
 1/8" = 1'-0"

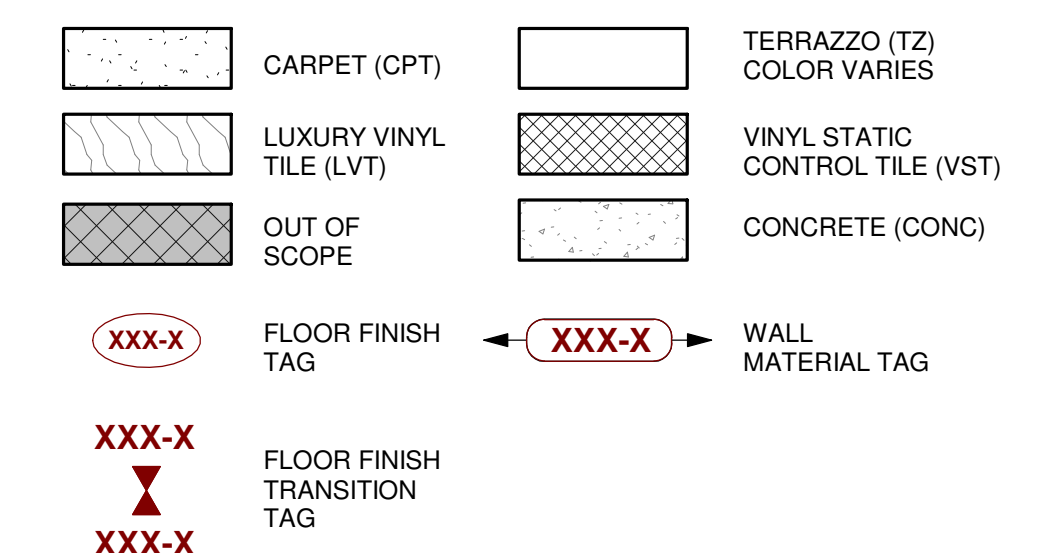
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5. REFER TO FINISH SCHEDULE, SHEET I-601 FOR MATERIAL SELECTION AND COLOR.
6. REFER TO ROOM FINISH SCHEDULE, SHEET I-601 FOR ALL ROOM FINISHES NOT NOTED ON PLAN.
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8. PAINT ALL COLUMNS IN AREA C AND AREA D PT-1 U.N.O.
9. PAINT ALL TRIM IN AREA C AND AREA D PT-1 U.N.O.
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11. ALL WALLS TO HAVE WB-1 SEE A-002 FOR DETAIL.
12. REFERENCE I-702 FOR FURNITURE, ACCESSORIES AND EQUIPMENT SCHEDULES.
13. WHEN INSTALLING TILE, USE ALL APPLICABLE MATCHING TRIM PIECES; SUCH AS INSIDE AND OUTSIDE CORNERS AND EDGES. ALL EXPOSED TILE EDGES MUST BE COVERED.
14. INTERIOR HOLLOW METAL DOOR FRAME FINISHES TO BE PAINTED PT-1 U.N.O. IN DOOR SCHEDULE ON SHEET A-601.
15. CONCRETE FLOORS NOT TO RECEIVE ADDITIONAL FINISH SHALL BE SEALED, U.N.O.
16. METAL LINEAR DIFFUSERS SHALL BE PAINTED TO MATCH SURROUNDING WALL SURFACE U.N.O.

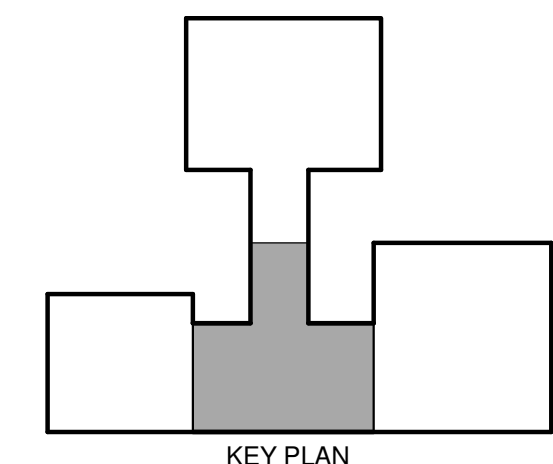
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- VB = VINYL BASE
- WC = VINYL WALLCOVERING

FLOOR FINISH LEGEND



KEYED NOTES



Mead & Hunt
 Mead & Hunt, Inc.
 878 South Lake Drive
 Lexington, SC 29072
 phone: 803-996-2900
 meadhunt.com

STATE OF GEORGIA
 JAMES K. GODWIN
 REGISTERED ARCHITECT
 09/13/2024

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**AUGUSTA REGIONAL AIRPORT
 CHECKPOINT MODERNIZATION**
 1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED
 09/13/24 BID SET

MSH NO.: 0119700-231215.02
 DATE: 09/13/2024
 DESIGNED BY: ARW
 DRAWN BY: ARW, SNT
 CHECKED BY: MLM, SJL
DO NOT SCALE DRAWINGS

SHEET CONTENTS
FIRST FLOOR FINISH PLAN

SHEET NO.:



09/13/2024

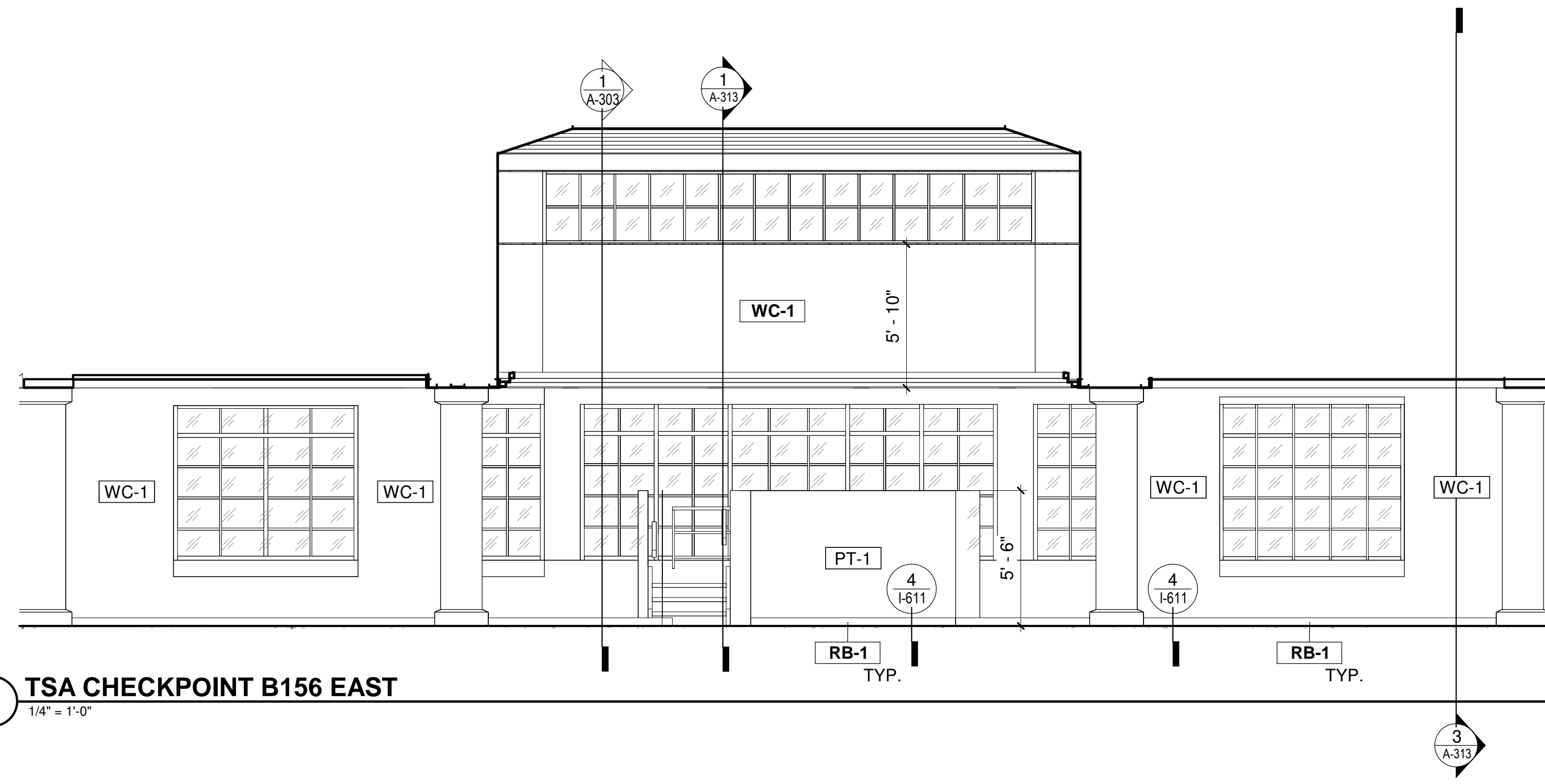
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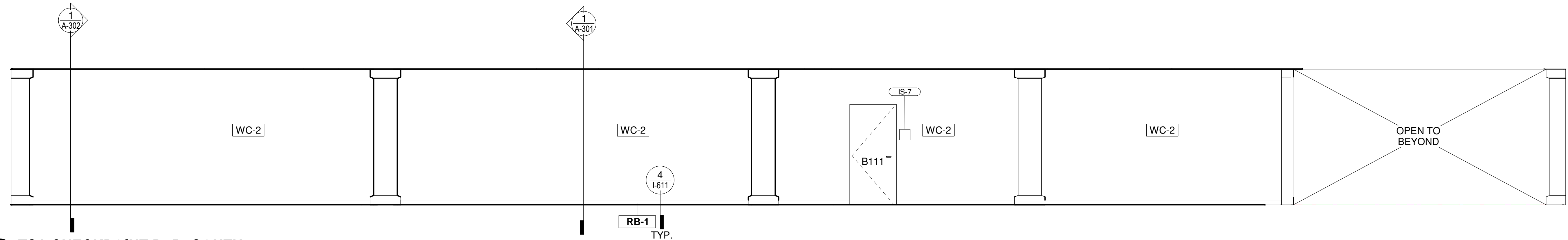
INTERIOR ELEVATION GENERAL NOTES:

1. REFER TO I-601 FOR FINISH TAGS REFERENCED IN ELEVATIONS.

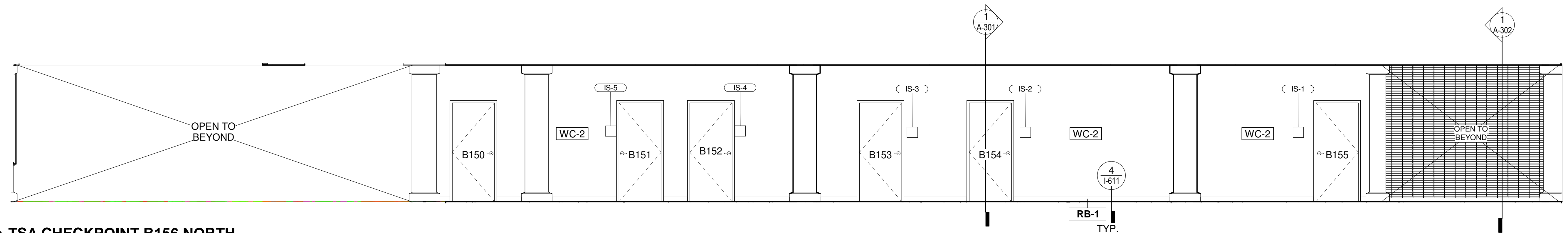
KEYED NOTES



1 TSA CHECKPOINT B156 EAST
1/4" = 1'-0"



2 TSA CHECKPOINT B156 SOUTH
1/4" = 1'-0"



3 TSA CHECKPOINT B156 NORTH
1/4" = 1'-0"

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SHEET CONTENTS
INTERIOR BUILDING
ELEVATIONS

SHEET NO.:

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KEYED NOTES

Mead & Hunt

Mead & Hunt, Inc.
878 South Lake Drive
Lexington, SC 29072
phone: 803-996-2900
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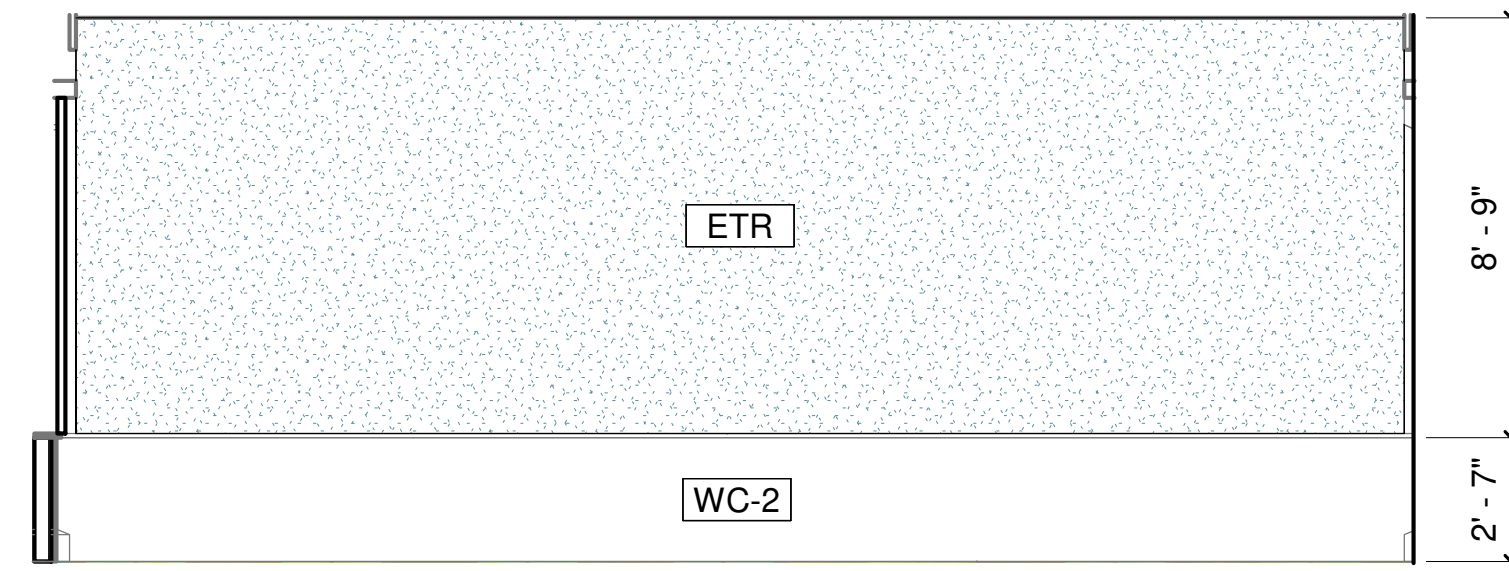
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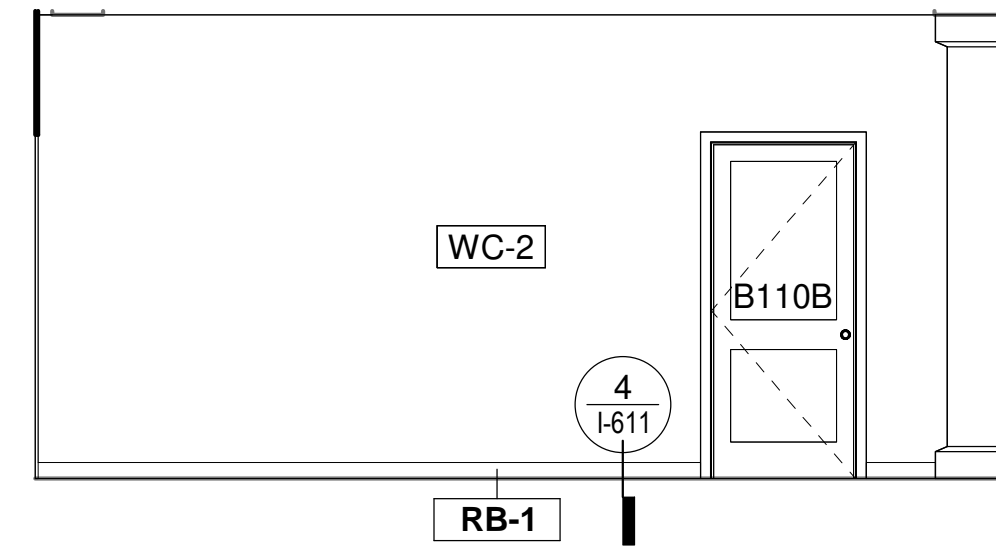
SHEET CONTENTS
INTERIOR BUILDING
ELEVATIONS

SHEET NO.:

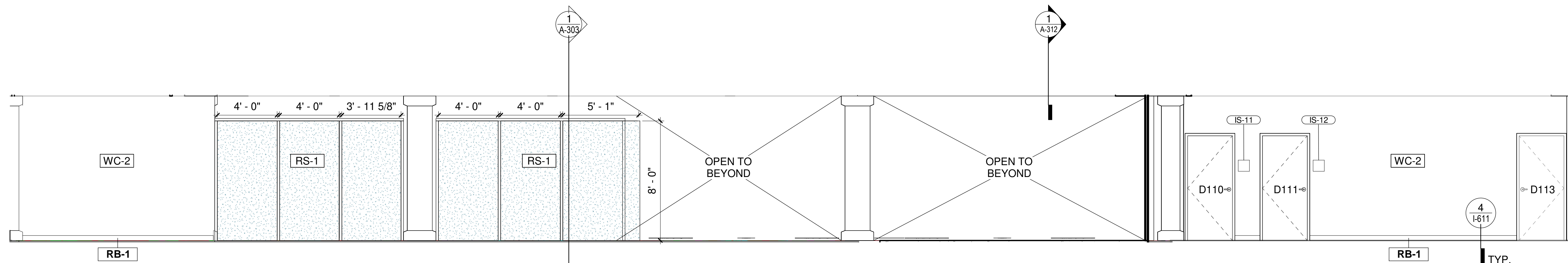
I-212



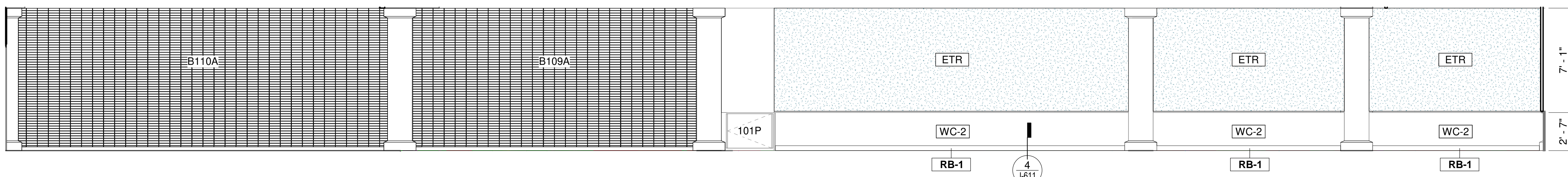
1 QUEUING B109 NORTH
1/4" = 1'-0"



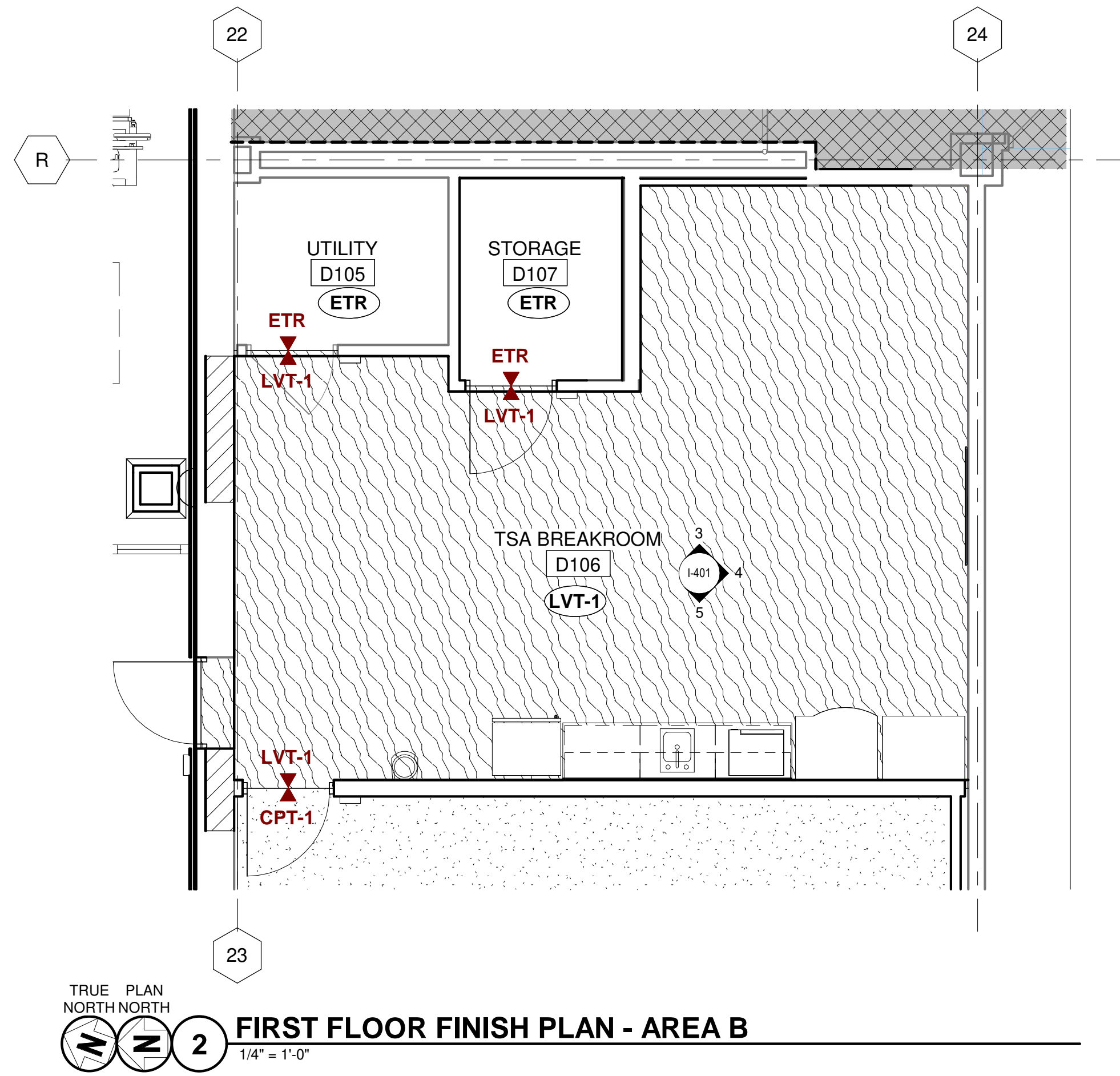
2 PRECHECK B110 SOUTH
1/4" = 1'-0"



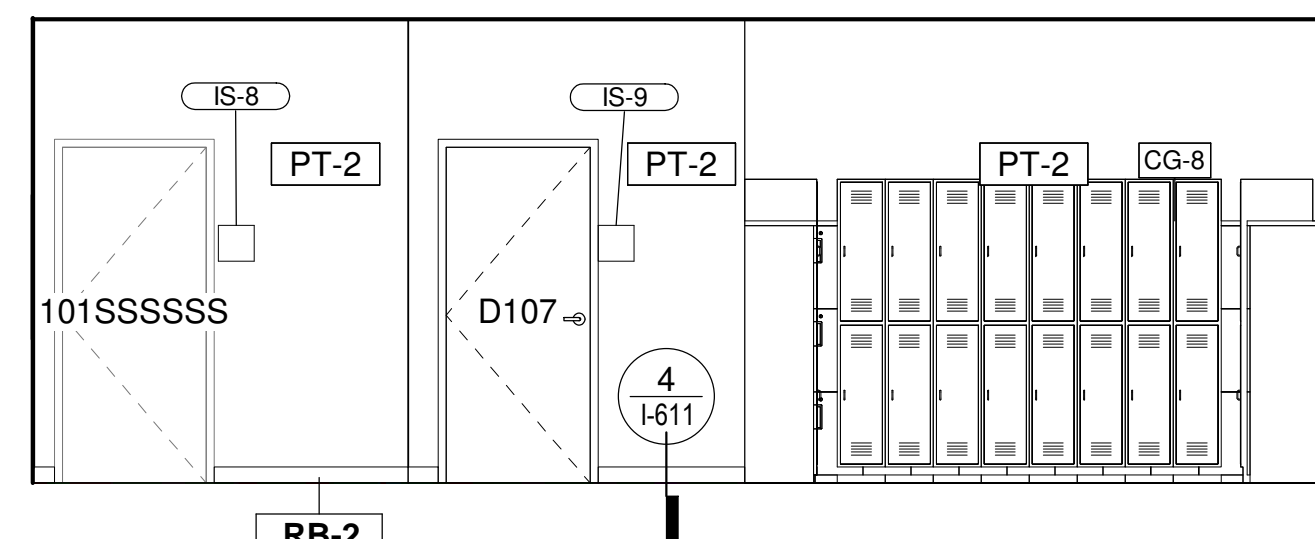
3 QUEUING B109 & PRECHECK B110 EAST
1/4" = 1'-0"



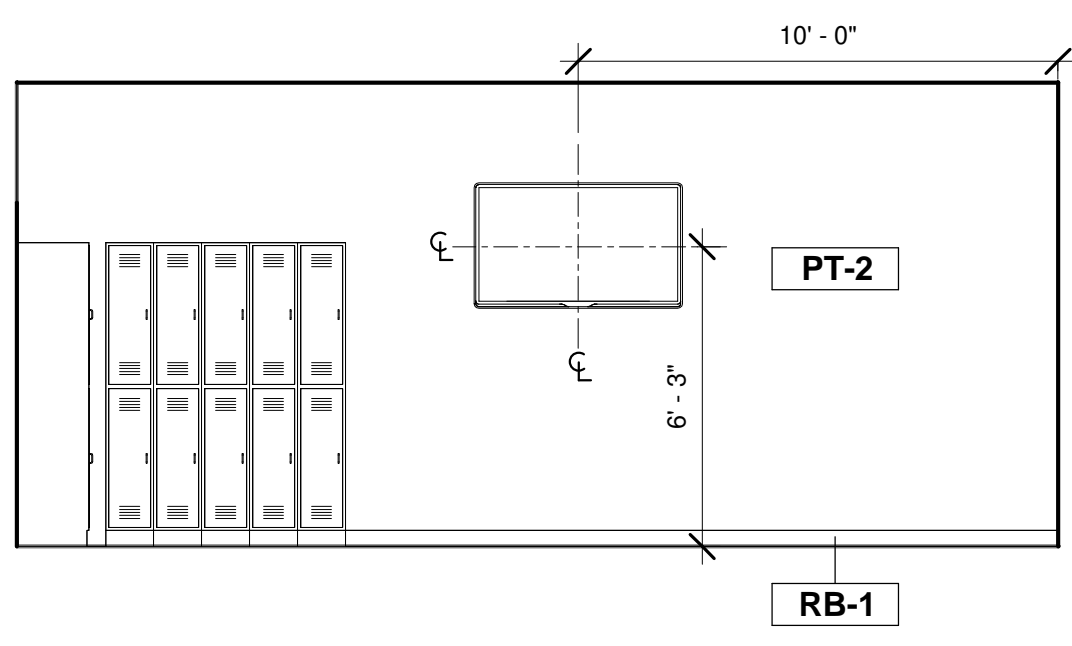
4 QUEUING B109 & PRECHECK B110 WEST
1/4" = 1'-0"



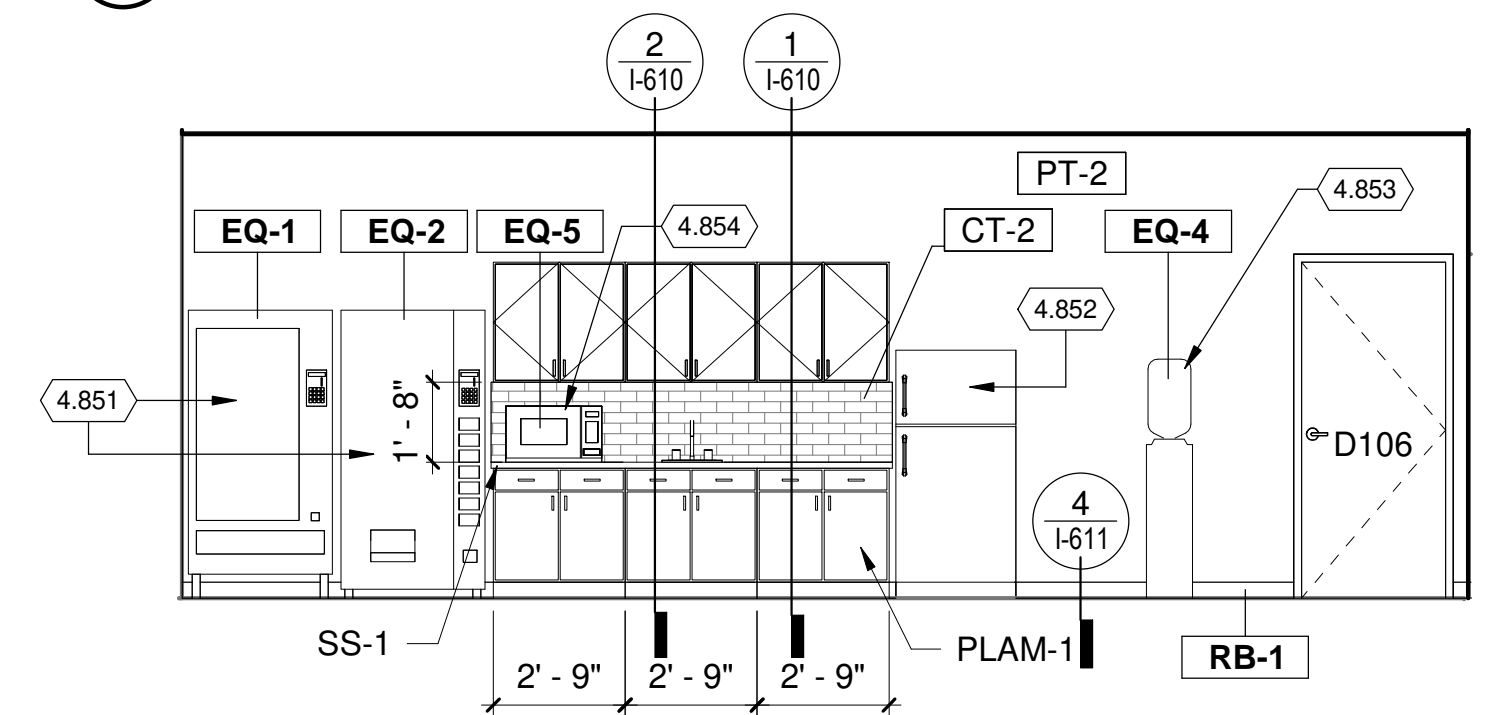
TRUE PLAN NORTH NORTH
2 FIRST FLOOR FINISH PLAN - AREA B
 1/4" = 1'-0"



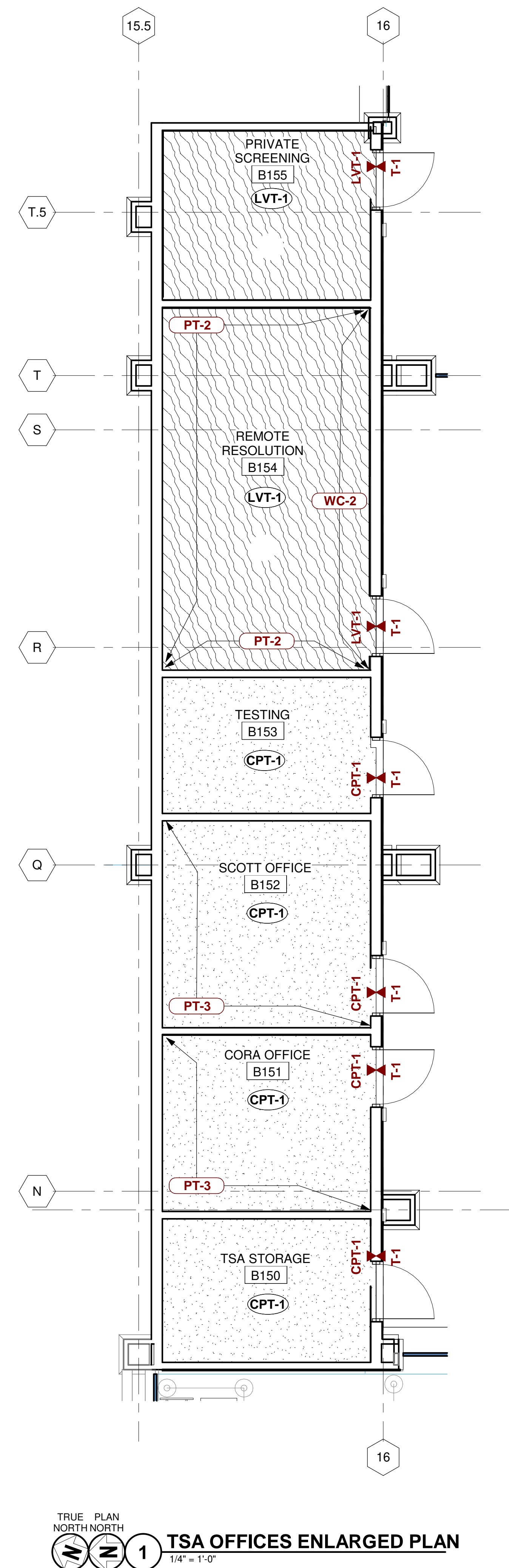
3 TSA BREAKROOM D106 EAST
 1/4" = 1'-0"



4 TSA BREAKROOM D106 SOUTH
 1/4" = 1'-0"



5 TSA BREAKROOM D106 WEST
 1/4" = 1'-0"



TRUE PLAN NORTH NORTH
1 TSA OFFICES ENLARGED PLAN
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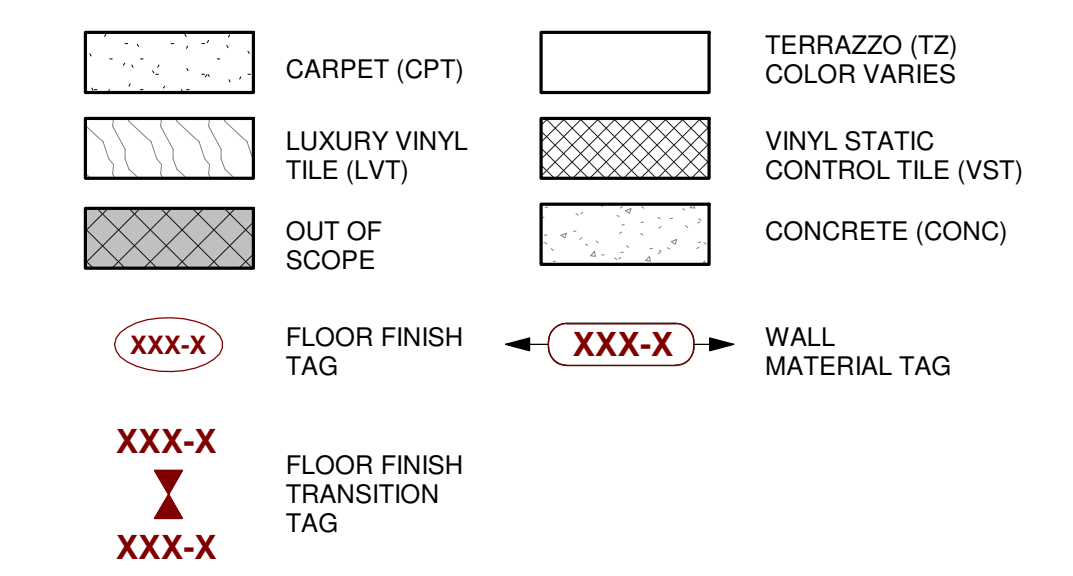
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- T = EPOXY TERRAZZO
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- WC = VINYL WALLCOVERING

FLOOR FINISH LEGEND



INTERIOR ELEVATION GENERAL NOTES:

1. REFER TO I-601 FOR FINISH TAGS REFERENCED IN ELEVATIONS.

KEYED NOTES

- 4.851 VENDING MACHINES TO BE AIRPORT PROVIDED, TO BE RELOCATED FROM EXISTING.
- 4.852 REFRIGERATOR TO BE AIRPORT PROVIDED, RELOCATED FROM EXISTING.
- 4.853 WATER COOLER TO BE AIRPORT PROVIDED, RELOCATED FROM EXISTING.
- 4.854 MICROWAVE TO BE AIRPORT PROVIDED, TO BE RELOCATED FROM EXISTING.



ARCHITECTURAL FINISHES SCHEDULE

| FINISH NUMBER | FINISH DESCRIPTION | PRODUCT DESCRIPTION | | | | | REMARKS |
|---------------|------------------------|--------------------------|--------------|--|----------------|-------------|---|
| | | MANUFACTURER | MODEL NUMBER | STYLE | COLOR | SIZE | |
| ACP-1 | ACOUSTIC CEILING PANEL | USG | 98225 | HALCYON | WHITE | 24" X 24" | EDGE TYPE: FINELINE |
| CPT-1 | CARPET | INTERFACE | 107538 | EBEN | WALNUT | 25CM X 1M | ASHLAR INSTALLATION |
| CT-2 | CERAMIC TILE | FIRECLAY TILE | - | CLASSIC CERAMIC | TUSK | 3" X 6" | STAGGERED BRICK INSTALLATION |
| GR-1 | GROUT COLOR | LATICRETE | 18 | SPECTRALOCK PRO PREMIUM | SAUTERNE | - | TO GO WITH CT-2 |
| LVT-1 | LUXURY VINYL TILE | MOHAWK GROUP | C0188-839 | LARGE & LOCAL REFORESTATION | BURNEY | 9.25' X 59" | ASHLAR INSTALLATION |
| PLAM-1 | PLASTIC LAMINATE | WILSONART | 7965K-12 | - | WALNUT HEIGHTS | - | - |
| PT-1 | PAINT COLOR - FIELD | SHERWIN WILLIAMS | SW 7008 | PRO INDUSTRIAL WATER BASED CATALYZED EPOXY | ALABASTER | - | ALL TRIM AND DOORS |
| PT-2 | PAINT COLOR - ACCENT | SHERWIN WILLIAMS | SW 7537 | PRO INDUSTRIAL DTM ACRYLIC | IRISH CREAM | - | - |
| PT-3 | PAINT COLOR - ACCENT | SHERWIN WILLIAMS | SW 6141 | PRO INDUSTRIAL DTM ACRYLIC | SOFTER TAN | - | - |
| RB-1 | RUBBER BASE | JOHNSONITE | TYPE TV | TRADITIONAL VINYL 1/8" | 11 CANVAS | - | TO GO WITH T-1 |
| RB-2 | RUBBER BASE | JOHNSONITE | TYPE TV | TRADITIONAL VINYL 1/8" | 47 BROWN | - | TO GO WITH CPT-1 AND LVT-1 |
| RS-1 | RESIN SHEET | 3FORM | TBD | VARIA, 3/8" GAUGE | VAPOR | - | SANDSTONE FINISH, TO MATCH AS EXISTING AS CLOSE AS POSSIBLE |
| SS-1 | SOLID SURFACE | WILSONART | Q4012 | QUARTZ | SANGDA FALLS | 130" X 65" | - |
| T-1 | TERRAZZO | TERRAZZO & MARBLE SUPPLY | 04-129 | TERROXY RESIN SYSTEM | CREAM | - | FIELD COLOR |
| T-2 | TERRAZZO | TERRAZZO & MARBLE SUPPLY | 04-261 | TERROXY RESIN SYSTEM | BRICK | - | BORDER COLOR |
| WC-1 | WALLCOVERING | KOROSEAL | 2U22-17 | UPSCALE VAGABOND II | CAMEL | - | - |
| WC-2 | WALLCOVERING | WOLF GORDON | GOH 32818473 | BERLIN | ECRU | - | - |

ROOM FINISH SCHEDULE

| ROOM NO. | ROOM NAME | FLOOR | BASE | WALLS | | | | CEILING | | REMARKS |
|----------|--------------------|-------|------|-----------|-----------|-------|-----------|---------|--------|---------|
| | | | | NORTH | EAST | SOUTH | WEST | MTL | HEIGHT | |
| B102 | CONNECTOR | T-1 | | | | | | | | |
| B108 | PUBLIC WAITING | T-1 | RB-1 | | | | | | | |
| B109 | QUEUING | T-1 | RB-1 | RS-1/WC-2 | WC-2 | - | RS-1/WC-2 | | | |
| B110 | PRECHECK | T-1 | RB-1 | - | WC-2 | WC-2 | PT-1 | | | |
| B111 | SECURITY SCREENING | T-1 | RB-1 | | | | | | | |
| B150 | TSA STORAGE | CPT-1 | RB-2 | PT-1 | PT-1 | PT-1 | PT-1 | | | |
| B151 | CORA OFFICE | CPT-1 | RB-2 | PT-3 | PT-1 | PT-1 | PT-3 | | | |
| B152 | SCOTT OFFICE | CPT-1 | RB-2 | PT-3 | PT-1 | PT-1 | PT-3 | | | |
| B153 | TESTING | CPT-1 | RB-2 | PT-1 | PT-1 | PT-1 | PT-1 | | | |
| B154 | REMOTE RESOLUTION | LVT-1 | RB-2 | PT-2 | PT-2 | WC-2 | PT-2 | | | |
| B155 | PRIVATE SCREENING | LVT-1 | RB-2 | PT-1 | PT-1 | PT-1 | PT-1 | | | |
| B156 | TSA CHECKPOINT | T-1 | RB-1 | WC-2 | WC-1/PT-1 | WC-2 | - | | | |
| B157 | STSO | T-1 | | | | | | | | |
| B159 | EXIT LANES | T-1 | | | | | | | | |
| D105 | UTILITY | ETR | | | | | | | | |
| D106 | TSA BREAKROOM | LVT-1 | RB-2 | PT-2 | PT-2 | PT-2 | PT-2 | | | |
| D107 | STORAGE | ETR | | | | | | | | |
| D108 | SCOTT OFFICE | CPT-1 | RB-1 | CT-1 | CT-1 | CT-1 | CT-1 | | | |
| D110 | ELEC. | CONC | | PT-1 | PT-1 | PT-1 | PT-1 | | | |
| D111 | TELECOMM. ROOM | CONC | | PT-1 | PT-1 | PT-1 | PT-1 | | | |
| D112 | TRAINING | CPT-1 | RB-2 | PT-1 | PT-1 | PT-1 | PT-1 | | | |
| D113 | TSA IT | CONC | | | | | | | | |



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878 South Lake Drive
Lexington, SC 29072
phone: 803-996-2900
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AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION

1501 AVIATION WAY, AUGUSTA, GA 30906

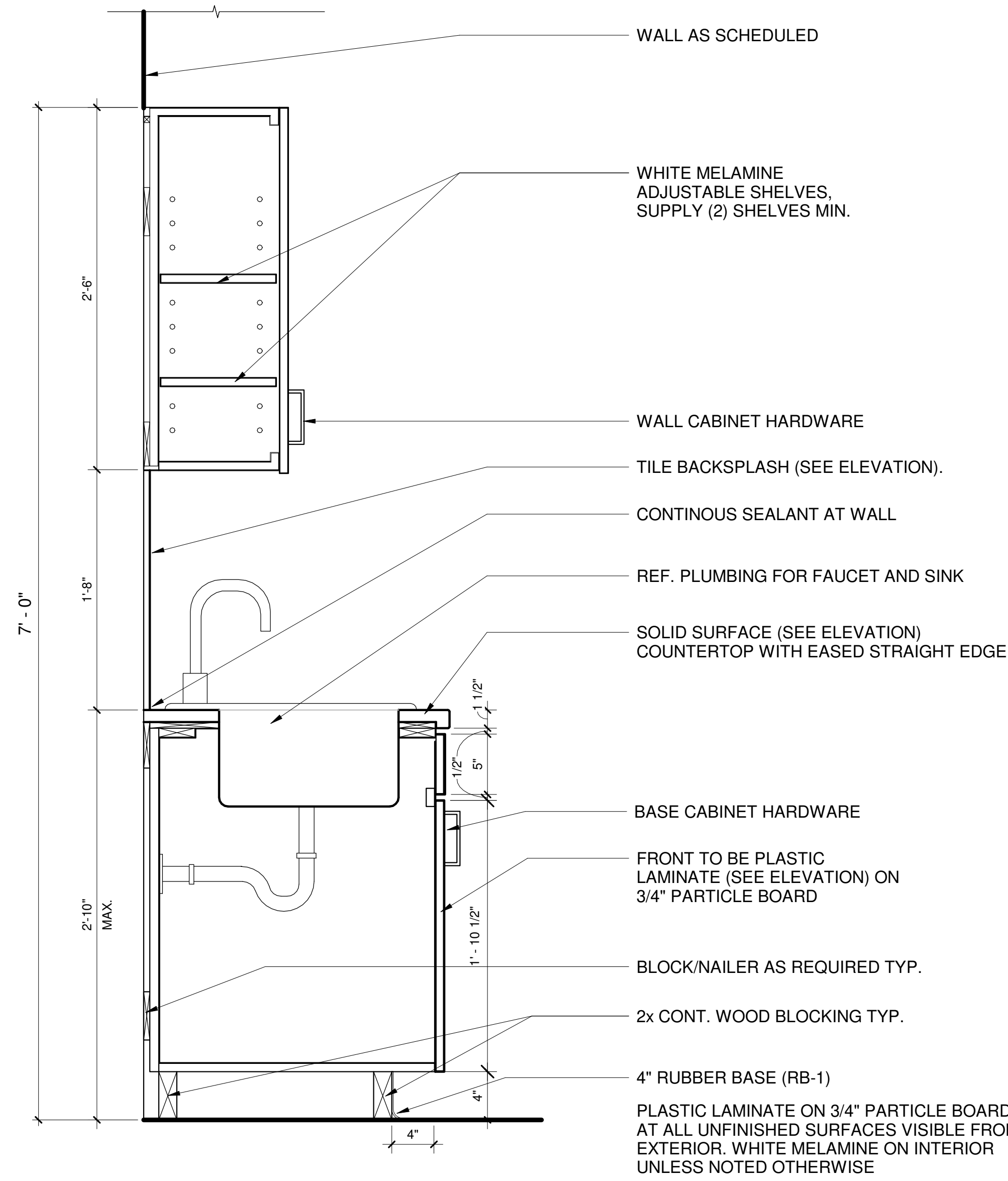
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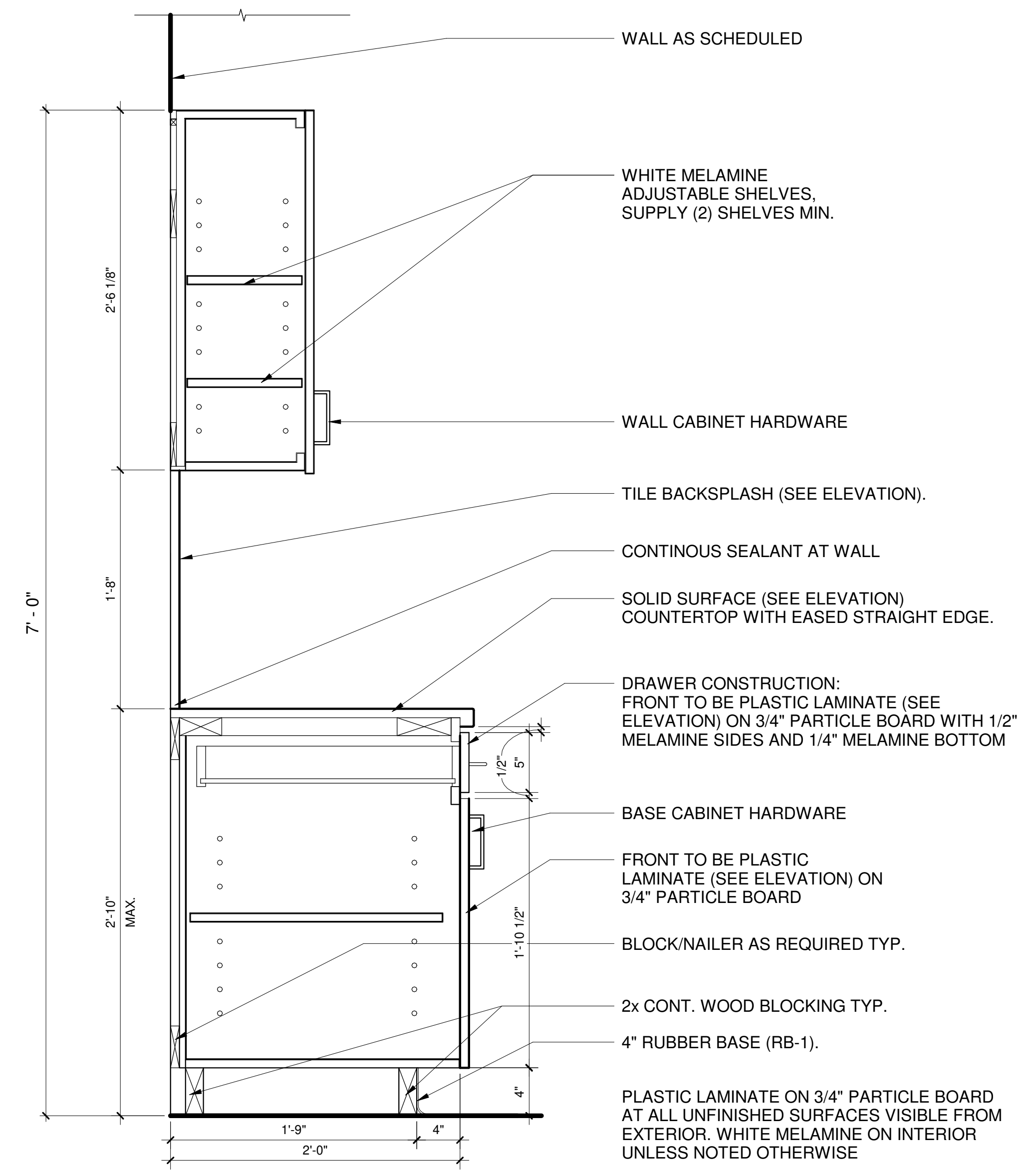
SHEET CONTENTS
FINISH SCHEDULES

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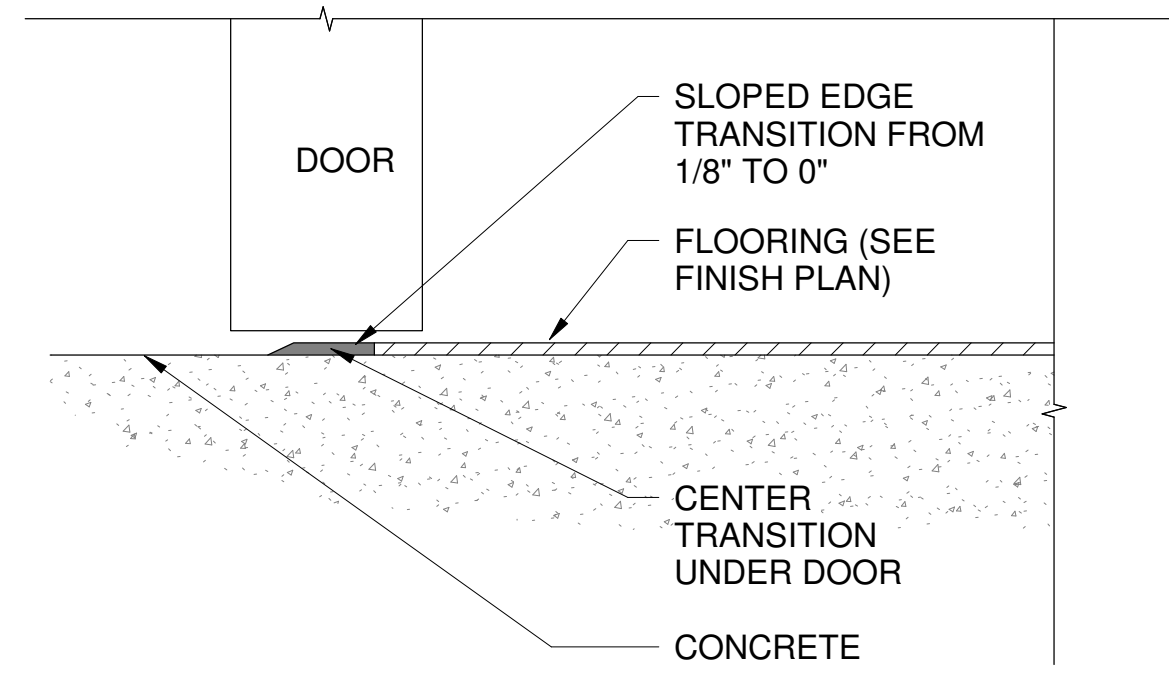
I-601



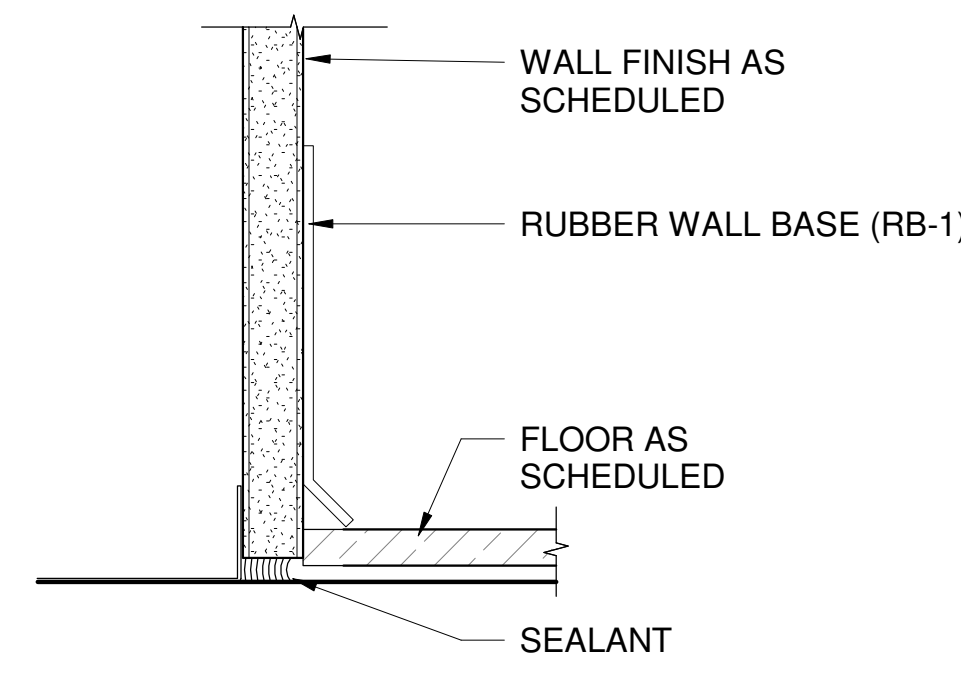
2 BREAK RM CABINET - DOOR, SINK, UPPER
1 1/2" = 1'-0"



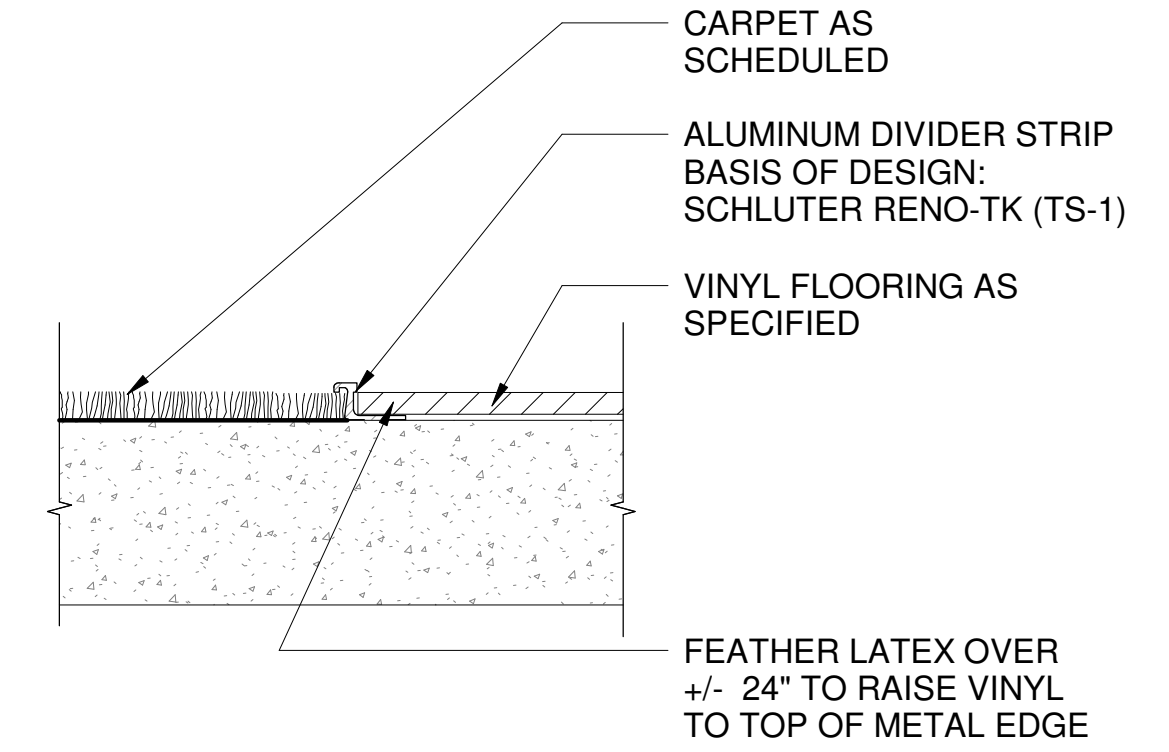
1 BREAK RM BASE CABINET - DOOR, DRAWER, UPPER
1 1/2" = 1'-0"



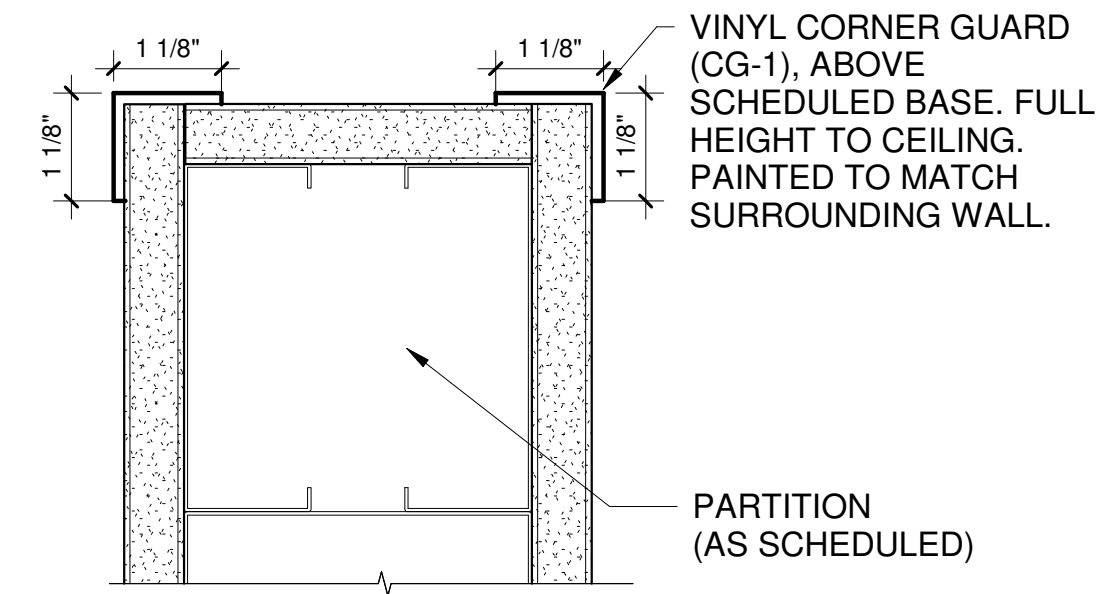
7 FINISH FLOOR TRANSITION - CONCRETE
6" = 1'-0"



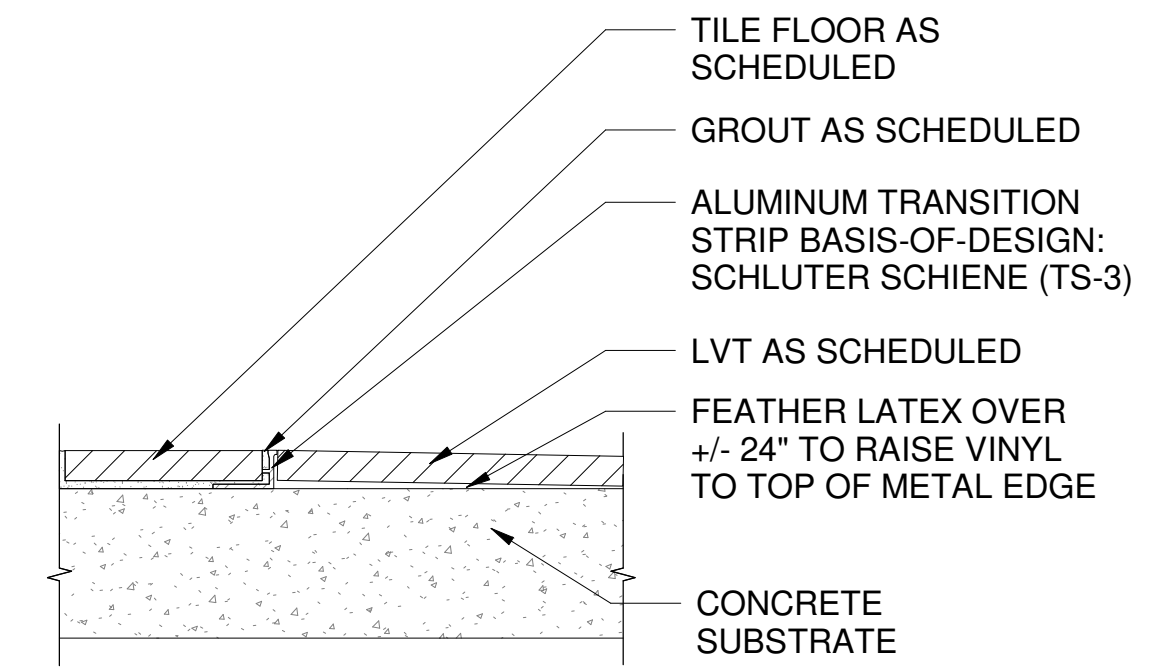
4 RUBBER WALL BASE TRANSITION
6" = 1'-0"



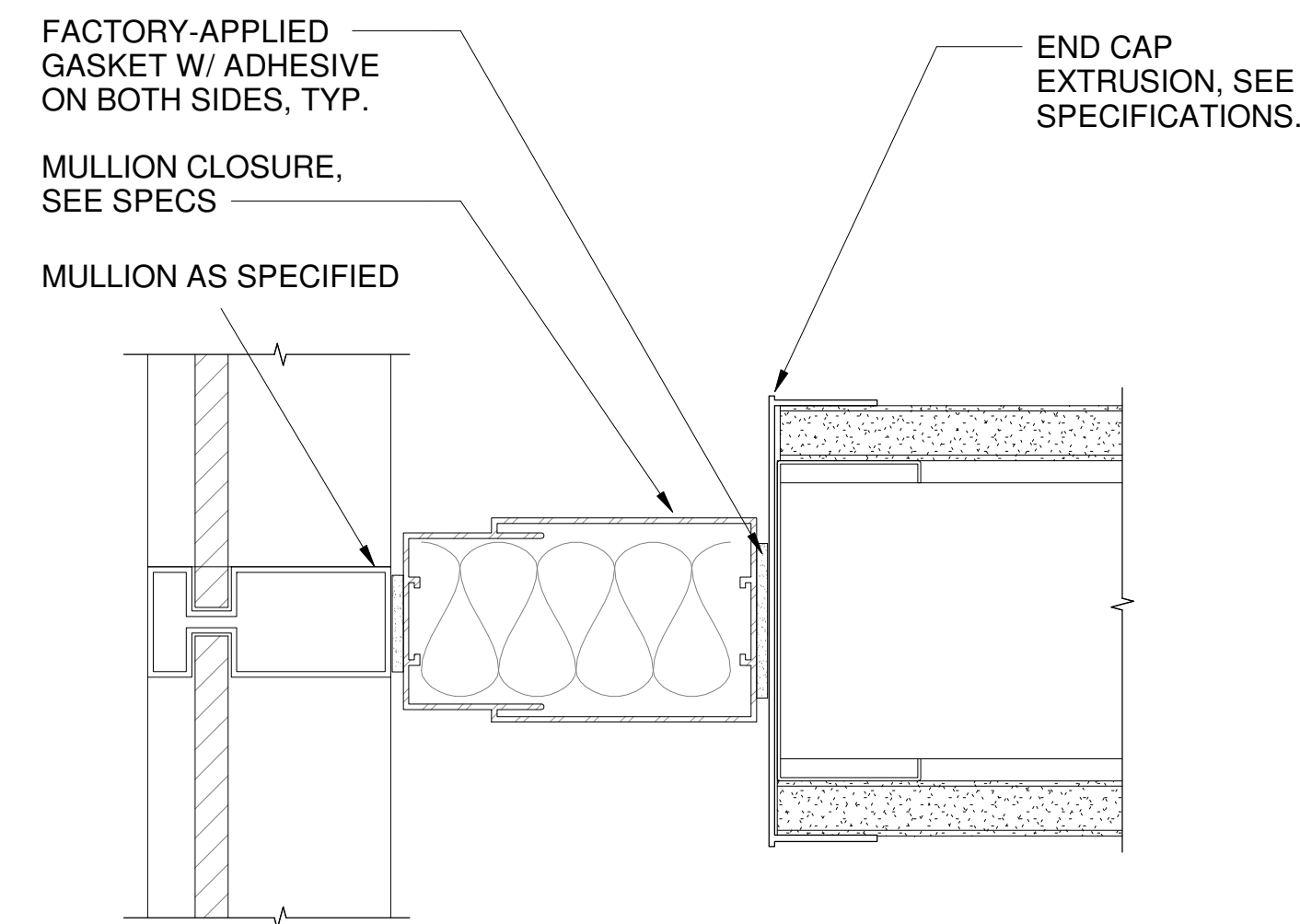
1 TRANSITION @ CARPET TO LVT
6" = 1'-0"



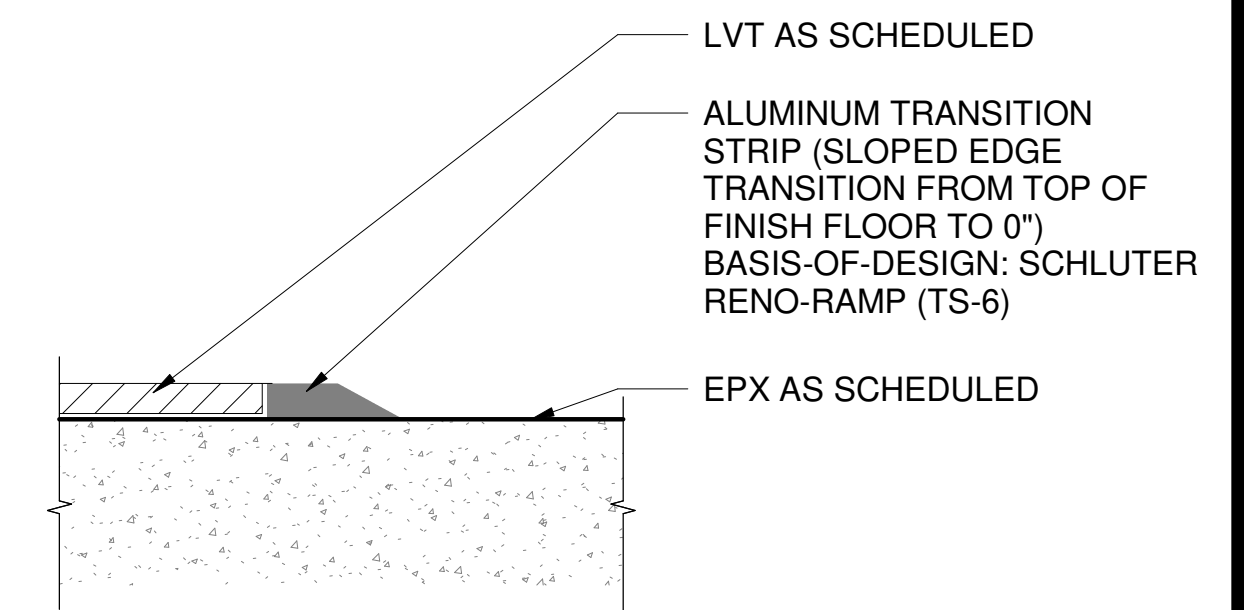
5 CORNER GUARD VINYL
6" = 1'-0"



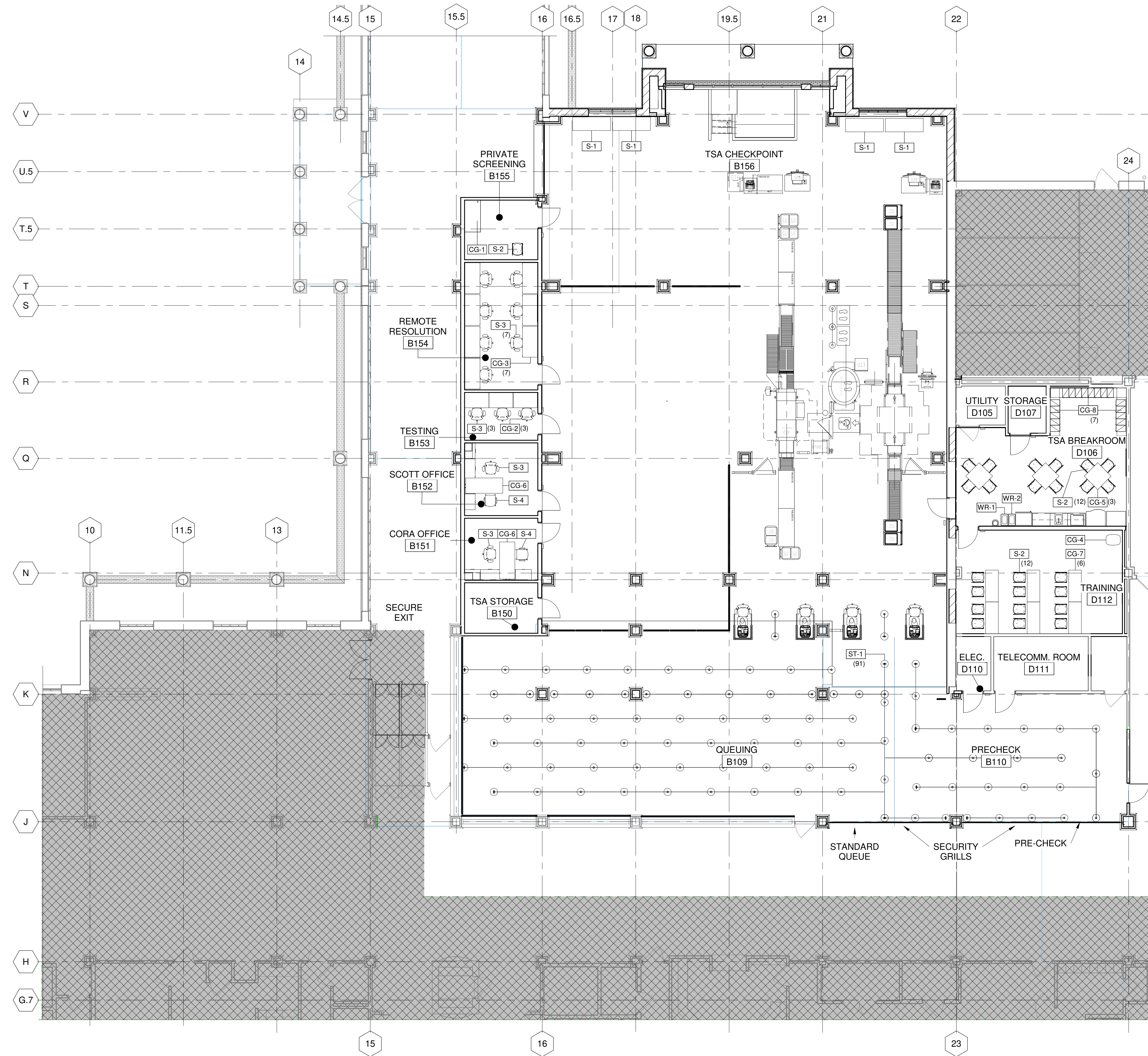
2 TRANSITION @ TILE TO LVT
6" = 1'-0"



6 MULLION TO WALL TRANSITION
6" = 1'-0"



3 TRANSITION @ LVT TO EPX
6" = 1'-0"



FF&E PLAN GENERAL NOTES:

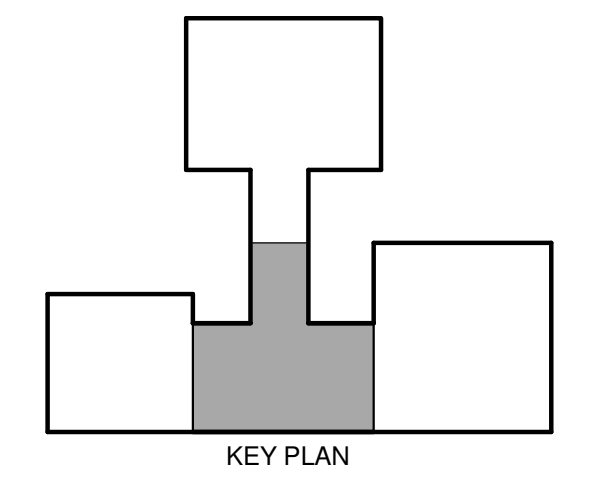
1. FURNITURE, FIXTURE & EQUIPMENT (FF&E) IS SHOWN FOR COORDINATION, AND IS CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFCI).
2. VERIFY FIELD CONDITIONS PRIOR TO ORDERING FF&E TO ENSURE PROPER FIT OF ALL ITEMS.
3. GENERAL CONTRACTOR TO COORDINATE WITH FURNITURE DEALER TO ALLOW BUILDING ACCESS FOR FIELD CONDITION VERIFICATION.
4. GENERAL CONTRACTOR IS RESPONSIBLE FOR ELECTRICAL CONNECTIONS TO THE BUILDING, INCLUDING J BOXES TO SUPPORT FF&E. FURNITURE DEALER IS RESPONSIBLE FOR THE ELECTRICAL HOOKUP OF ALL FF&E, INCLUDING WHIPS FROM WALL CONNECTIONS TO THE FURNITURE AND CONNECTIONS TO THE FURNITURE AND CONNECTING PRE-WIRED PANELS, UP TO AND INCLUDING FACEPLATES.
5. INFORMATION TECHNOLOGY (IT) (PHONE / LAN ETC.) WIRING TO BE PROVIDED BY OTHERS AFTER INSTALLATION: COORDINATE WITH CONTRACTING OFFICER.
6. PROVIDE ALL FF&E COMPONENTS REQUIRED TO FULFILL THE DESIGN INTENT OUTLINED IN THE FF&E PACKAGE, AND ASSEMBLE FF&E PER MANUFACTURER'S WRITTEN INSTRUCTIONS. FF&E PROVIDER MUST COORDINATE WITH CONTRACTING OFFICER AS REQUIRE TO ENSURE THAT ALL FF&E IS SUCCESSFULLY INSTALLED AND OPERATIONAL PRIOR TO OCCUPANCY.
7. AWARDED FURNITURE DEALER TO PROVIDE SHOP DRAWINGS WITH PANELS AND ELECTRICAL / COMM CONNECTIONS FOR GOVERNMENT APPROVAL.
8. REFER TO FURNITURE & ACCESSORIES SCHEDULE, SHEET I-702 FOR INFORMATION.
9. REFER TO EQUIPMENT SCHEDULE, SHEET I-702 FOR INFORMATION.

FURNITURE & ACCESSORIES LEGEND

| TYPE MARK | DESCRIPTION |
|-----------|------------------------|
| CG-1 | TABLE |
| CG-2 | ADJUSTABLE HEIGHT DESK |
| CG-3 | ADJUSTABLE HEIGHT DESK |
| CG-4 | WORK TABLE |
| CG-5 | SQUARE TABLE |
| CG-6 | WORKSTATION |
| CG-7 | TRAINING TABLE |
| CG-8 | LOCKERS |
| S-1 | BENCH |
| S-2 | STACKING SIDE CHAIR |
| S-3 | TASK CHAIR |
| S-4 | SIDE CHAIR |
| ST-1 | STANCHION |
| WR-1 | WASTE RECEPTACLE |
| WR-2 | WASTE RECEPTACLE |

KEYED NOTES

TRUE PLAN NORTH NORTH
1 FIRST FLOOR FURNITURE PLAN - AREA B
 1/8" = 1'-0"



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FURNITURE & ACCESSORIES SCHEDULE

| TYPE MARK | DESCRIPTION | MANUFACTURER | MODEL | COUNT | COMMENTS |
|-----------|---|---------------------------------|--------------------------------------|-------|---|
| | | | | 18 | |
| CG-1 | TABLE | KYRPTOMAX | KM-TBL-INTK-306042 | 1 | INTAKE TABLE |
| CG-2 | ADJUSTABLE HEIGHT DESK | HERMAN MILLER | DU6ACS3042LEPLASUD | 3 | RENEW HEIGHT ADJUSTABLE TABLE |
| CG-3 | ADJUSTABLE HEIGHT DESK | HERMAN MILLER | JUMPSPACE | 7 | JUMP SPACE HEIGHT ADJUSTABLE WORKSTATION |
| CG-4 | WORK TABLE | HERMAN MILLER | HJALNNS2027CMLB-SLBSBK, HJASNNS4227F | 1 | PASSPORT WORK TABLE |
| CG-5 | SQUARE TABLE | HERMAN MILLER | DT1BS3636LSLBSLBSNC57 | 3 | EVERYWHERE TABLE, SQUARE |
| CG-6 | WORKSTATION | HERMAN MILLER | CANVAS | 2 | CANVAS SERIES WORKSTATION |
| CG-7 | TRAINING TABLE | HERMAN MILLER | EVERYWHERE | 6 | EVERYWHERE HEIGHT ADJUSTABLE TABLE, RECTANGULAR |
| CG-8 | LOCKERS | TEKNION | PLTTSF366 | 7 | LEDGER PLUS TRIPLE LOCKER TOWER, THREE HIGH |
| S-1 | BENCH | ARCONAS | BB3S | 4 | BERNU BENCH |
| S-2 | SIDE CHAIR | HERMAN MILLER | PRONTO | 25 | PRONTO STACKING CHAIR |
| S-3 | TASK CHAIR | HERMAN MILLER | MRF123AWFFAJG1C-9G18M17BK1A703 | 12 | MIRRA 2 TASK CHAIR |
| S-4 | SIDE CHAIR | HERMAN MILLER | PIA4S1SPBK-SNA36505G440G05 | 2 | VERUS SIDE CHAIR |
| ST-1 | STANCHION | TURNSTILE SECURITY SYSTEMS INC. | | 19 | REFERENCE PLAN FOR COUNTS, PEDESTRIAN CONTROL DEVICE AS SPECIFIED IN 11 14 00 |
| WR-1 | WASTE RECEPTACLE - WASTE/RECYCLING UNIT | MAGNUSON GROUP | TRO-1818L | 2 | TROSA WASTE/RECYCLING UNIT |
| WR-2 | WASTE RECEPTACLE - TRASH | RUBBERMAID | SMALL | 2 | |

REFERENCE FURNITURE, ACCESSORIES AND EQUIPMENT SPECIFICATIONS FOR PRODUCT DETAILS

SPECIALTY EQUIPMENT SCHEDULE

| TYPE MARK | DESCRIPTION | MANUFACTURER | COUNT | COMMENTS |
|-----------|-----------------------|--------------|-------|---------------------------------|
| EQ-1 | VENDING MACHINE, FOOD | EXISTING | 1 | AIRPORT PROVIDED AND RELOCATED. |
| EQ-2 | VENDING MACHINE, SODA | EXISTING | 1 | AIRPORT PROVIDED AND RELOCATED. |
| EQ-3 | REFRIGERATOR | EXISTING | 1 | AIRPORT PROVIDED AND RELOCATED. |
| EQ-4 | WATER COOLER | EXISTING | 1 | AIRPORT PROVIDED AND RELOCATED. |
| EQ-5 | MICROWAVE | EXISTING | 1 | AIRPORT PROVIDED AND RELOCATED. |



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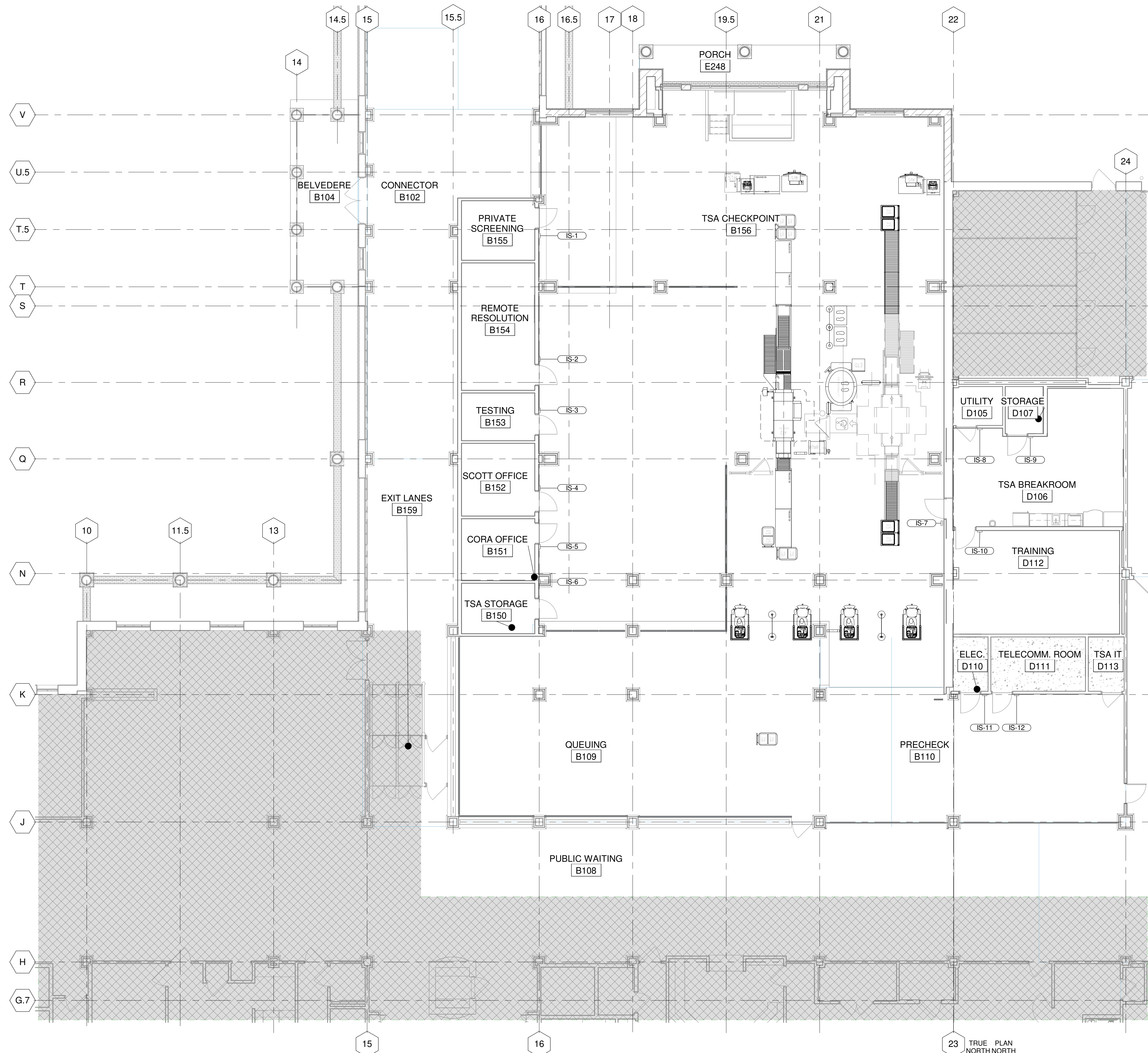
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DATE: 09/13/2024
DESIGNED BY: ARW
DRAWN BY: S.JL, SNT, CF
CHECKED BY: MLM, S.JL
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SHEET CONTENTS
FURNITURE
SCHEDULE

SHEET NO.:

I-702

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SIGNAGE PLAN GENERAL NOTES:

1. PROVIDE SNAP-IN SIGN MODULES OF INDICATED HEIGHT AND WIDTH WITH GRAPHICS AND FEATURES AS INDICATED, INCLUDING CLEAR PROTECTORS TO ACCOMMODATE LASER PRINTED MESSAGE CARDS.
2. ROOM NUMBERS SHOWN ON PLANS ARE FOR CONSTRUCTION PURPOSES, NOT NECESSARILY THE USER'S PREFERRED NUMBERING SYSTEM. COORDINATE ALL ROOM NUMBERS AND VERBIAGE FOR THE SIGNS WITH OWNER PRIOR TO FABRICATION.
3. KNOWN SIGNAGE IS DOCUMENTED ON THESE DRAWINGS. VERIFY AND PROVIDE ANY ADDITIONAL REGULATORY SIGNAGE / GRAPHICS REQUIRED BY LOCAL CODE.
4. ENSURE THAT ALL SIGN INSERTS CAN BE EASILY REMOVED / REPLACED. CONSIDER INSTALLATION OF SIGNS IN TIGHT CORNERS AND ALCOVES / SIDELIGHTS TO ENSURE THAT SIGN INSERT IS ACCESSIBLE.
5. MOUNT ALL LIKE-SIGNS AT SAME HEIGHT.
6. ALL INTERIOR SIGNS TO MATCH PT-2 U.N.O., SEE FINISH SCHEDULE I-601.
7. ALL EXTERIOR SIGNS TO MATCH THE EXTERIOR BUILDING COLOR UNLESS NOTED OTHERWISE (U.N.O.), SEE ARCHITECTURE FOR INFORMATION.
8. SIGNAGE IS SHOWN FOR COORDINATION, AND IS CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (CFC).
9. VERIFY FIELD CONDITIONS PRIOR TO INSTALLING SIGNAGE TO ENSURE PROPER FIT OF ALL ITEMS.
10. SIGNAGE TO BE INSTALLED AT 5'-0" ABOVE FINISHED FLOOR, U.N.O.
11. REFER TO SIGNAGE DETAILS AND SCHEDULE, SHEET I-802 FOR INFORMATION.

KEYED NOTES

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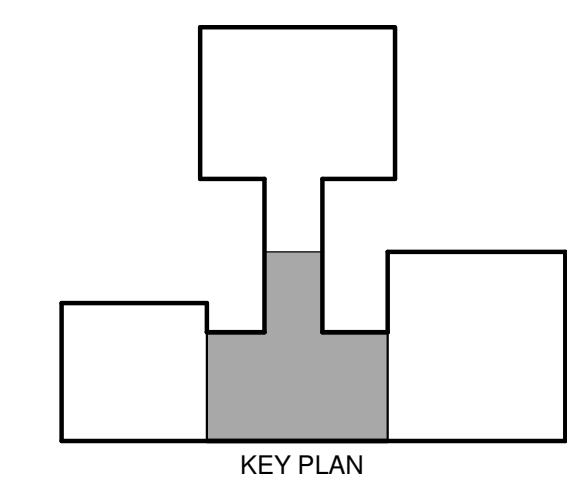
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SHEET CONTENTS
**FIRST FLOOR
 SIGNAGE PLAN**

SHEET NO.:

I-801



TRUE PLAN
 NORTH NORTH
 1
FIRST FLOOR SIGNAGE PLAN
 1/8" = 1'-0"



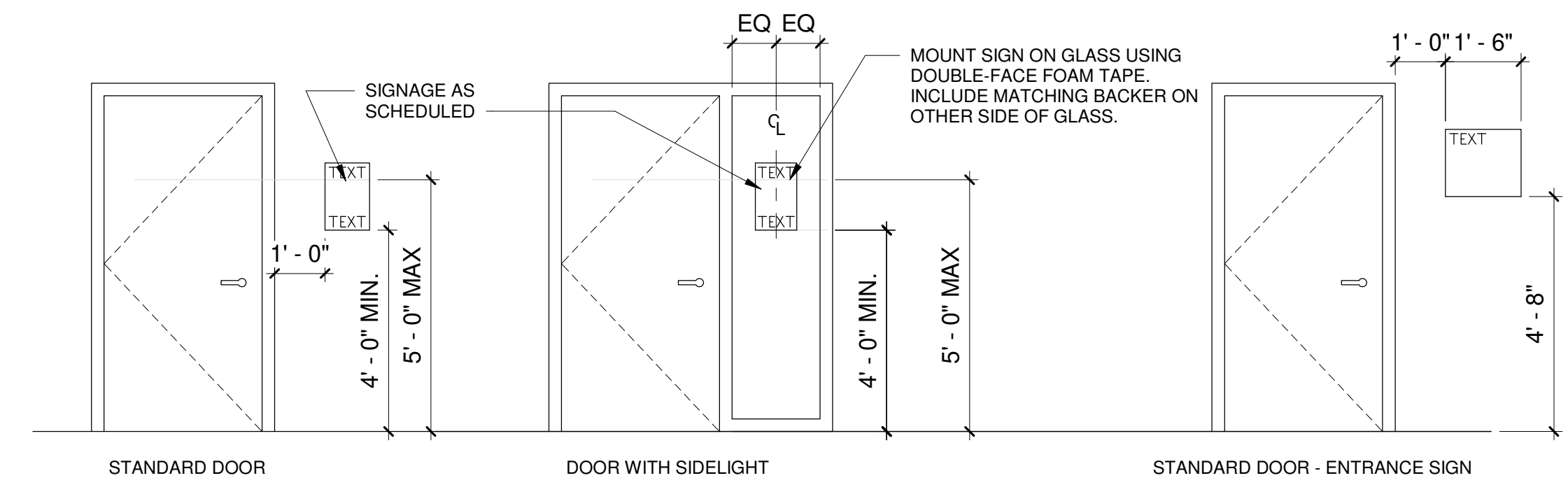
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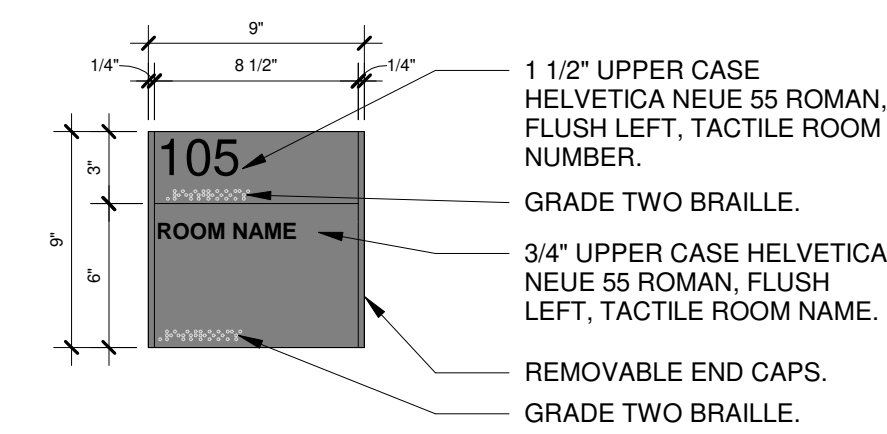
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MOUNTING HEIGHT RANGE FOR TACTILE CHARACTERS.
DOOR MOUNTED SIGNS TO BE CENTERED ON DOOR WHERE APPLICABLE.
ALL SIMILAR SIGN TYPES TO BE MOUNTED UNIFORMLY THROUGHOUT THE BUILDING.

1 TYP. SIGNAGE MOUNTING HEIGHT
3/8" = 1'-0"



2 S2 - PERMANENT ROOM SIGNAGE
1 1/2" = 1'-0"

| SIGNAGE SCHEDULE | | | | | |
|------------------|-------------|-------------------|-----------|---------------------|---------------|
| TYPE MARK | ROOM NUMBER | ROOM NAME | SIGN TYPE | INTERIOR / EXTERIOR | DETAIL NUMBER |
| IS-1 | B155 | PRIVATE SCREENING | S2 | INTERIOR | 2/1-802 |
| IS-2 | B154 | REMOTE RESOLUTION | S2 | INTERIOR | 2/1-802 |
| IS-3 | B153 | TESTING | S2 | INTERIOR | 2/1-802 |
| IS-4 | B152 | SCOTT OFFICE | S2 | INTERIOR | 2/1-802 |
| IS-5 | B151 | CORA OFFICE | S2 | INTERIOR | 2/1-802 |
| IS-6 | B150 | TSA STORAGE | S2 | INTERIOR | 2/1-802 |
| IS-7 | D106 | TSA BREAKROOM | S2 | INTERIOR | 2/1-802 |
| IS-8 | D105 | UTILITY | S2 | INTERIOR | 2/1-802 |
| IS-9 | D107 | STORAGE | S2 | INTERIOR | 3/1-802 |
| IS-10 | D106 | TSA BREAKROOM | S2 | INTERIOR | 2/1-802 |
| IS-11 | D110 | ELEC. | S2 | INTERIOR | 2/1-802 |
| IS-12 | D111 | TELECOMM. ROOM | S2 | INTERIOR | 2/1-802 |

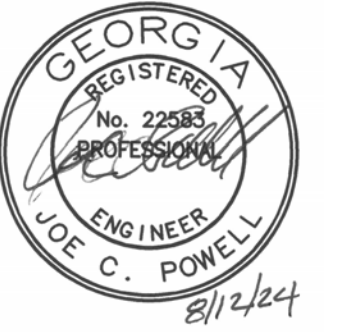
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SHEET CONTENTS
FIRST FLOOR
SIGNAGE DETAILS

SHEET NO.:

I-802



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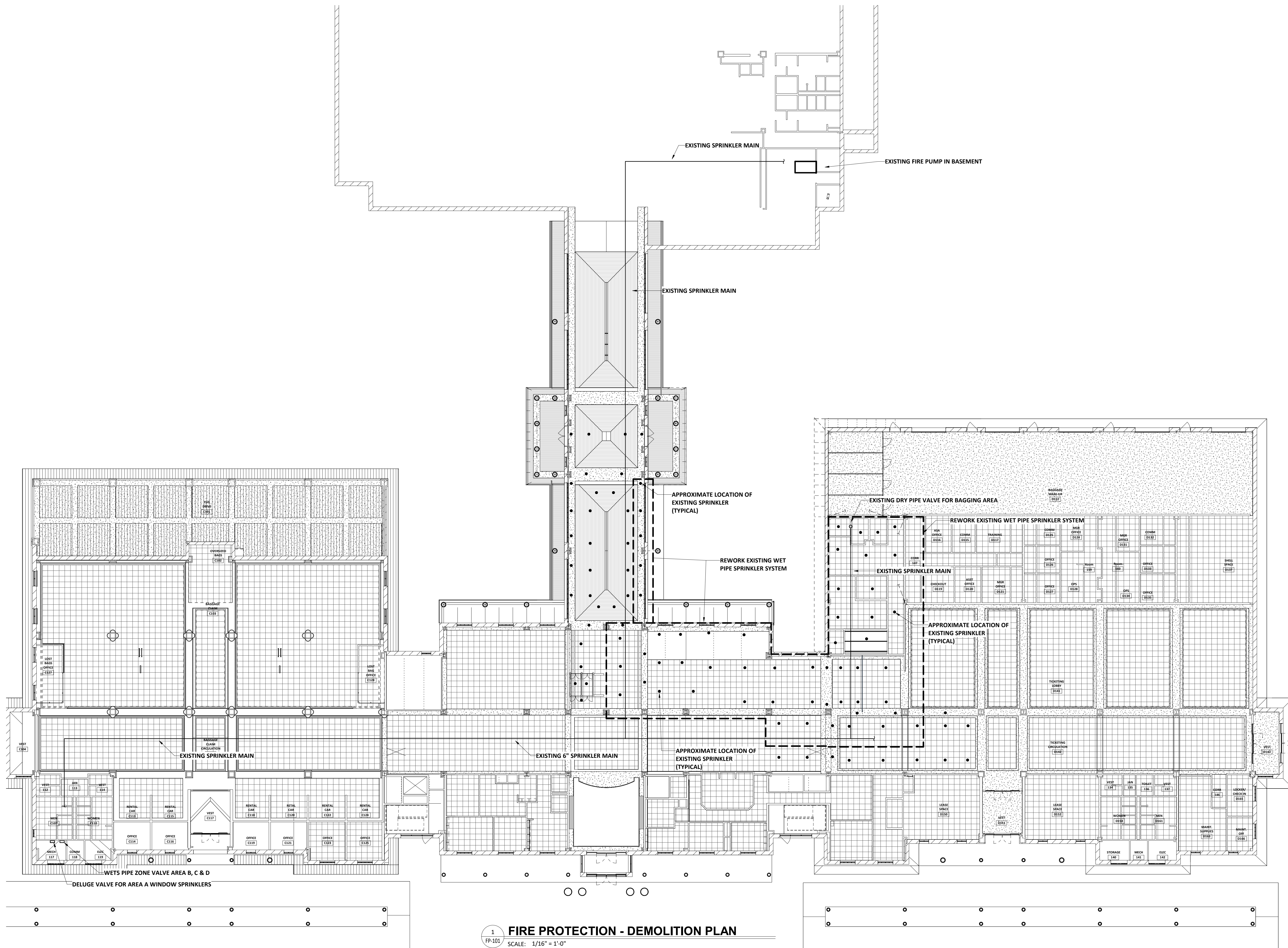
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SHEET CONTENTS
**FIRE PROTECTION -
DEMOLITION**

SHEET NO.:

FP-101

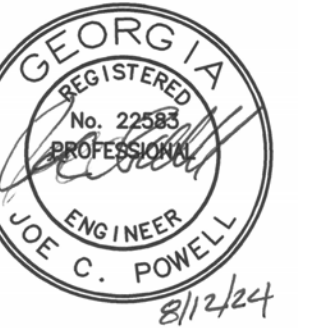


1 FIRE PROTECTION - DEMOLITION PLAN
SCALE: 1/16" = 1'-0"



REFERENCE SCALE
PLOT DATE: 09/05/24
FILE NAME: 20113 MECH
PLOT SCALE: 1 = 192
JCP/RWW





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SHEET CONTENTS
FIRE PROTECTION -
NEW WORK

SHEET NO.:

FP-201

GENERAL INFORMATION:

REWORK SPRINKLER PIPING AND SPRINKLERS AS REQUIRED TO CONFORM TO NEW WALLS, CEILINGS, LIGHTING AND HVAC CONFIGURATIONS.

EXISTING BUILDING IS PRESENTLY PROTECTED BY A WET PIPE FIRE SPRINKLER SYSTEM.

SPRINKLER SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING:

- NFPA 13 (2019 EDITION)
- GA FIRE CODE 120-3-3 (2024 EDITION)
- INTERNATIONAL BUILDING CODE (2018 EDITION)
- CONTRACT SPECIFICATIONS

REFER TO NFPA 25 (2017 EDITION) CHAPTER 15 REGARDING PRE-PLANNED SYSTEM IMPAIRMENTS FOR CORRECTIONS, ALTERATIONS OR IMPROVEMENTS.

NOT ALL EXISTING WORK IS SHOWN AND THAT SHOWN IS IN ITS APPROXIMATE LOCATION AND ARRANGEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATION, ARRANGEMENTS, SIZES AND CONDITIONS. EXACT LOCATION, ARRANGEMENT, AND SIZES SHALL BE VERIFIED ON THE JOB BEFORE PROCEEDING WITH ANY NEW WORK. EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR ALL FIXTURES AND EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE ARCHITECTURAL DETAILS AND APPROVED MANUFACTURER'S SHOP DRAWINGS. PARTICULAR ATTENTION SHALL BE DIRECTED TO FIXTURES OR EQUIPMENT FURNISHED UNDER OTHER DIVISIONS.

PROVIDE SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR REVIEW BY ENGINEER, AHJ AND OWNER.

EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR PIPING AND EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE DETAILS AND APPROVED MANUFACTURER'S SHOP DRAWINGS. PARTICULAR ATTENTION SHALL BE DIRECTED TO EQUIPMENT AND FIXTURES FURNISHED UNDER OTHER DIVISIONS.

EXACT LOCATION OF PIPING SHALL BE DETERMINED BY JOB CONDITIONS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH THAT OF OTHER TRADES AND ARRANGE PIPING TO CLEAR STRUCTURAL MEMBERS AND DUCTWORK.

IN FIRE WALLS, PACK ANNULAR SPACE BETWEEN PIPE AND WALL WITH FIRESTOP COMPOUND IN ACCORDANCE WITH ITS U.L. LISTING.

PROVIDE WHITE CONCEALED QUICK-RESPONSE SPRINKLERS.

ALL AREAS ARE LIGHT HAZARD UNLESS NOTED OTHERWISE.

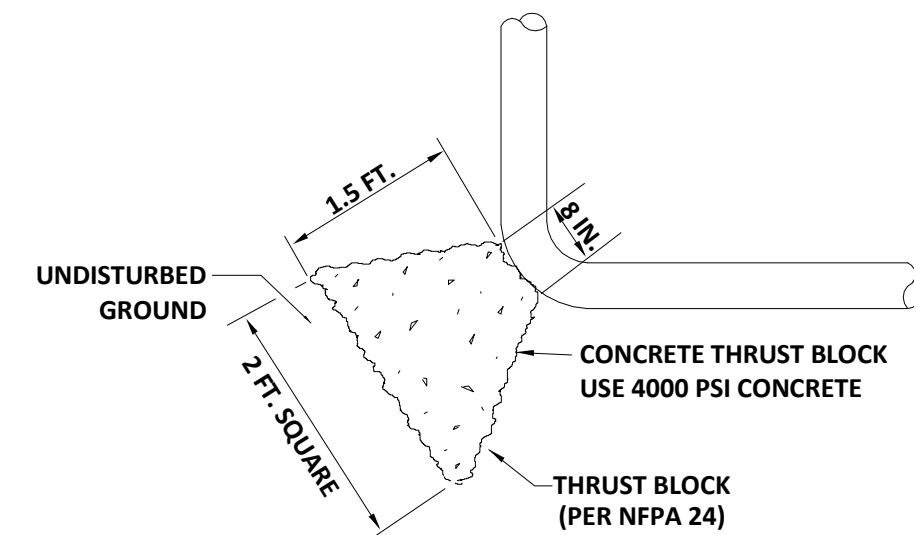
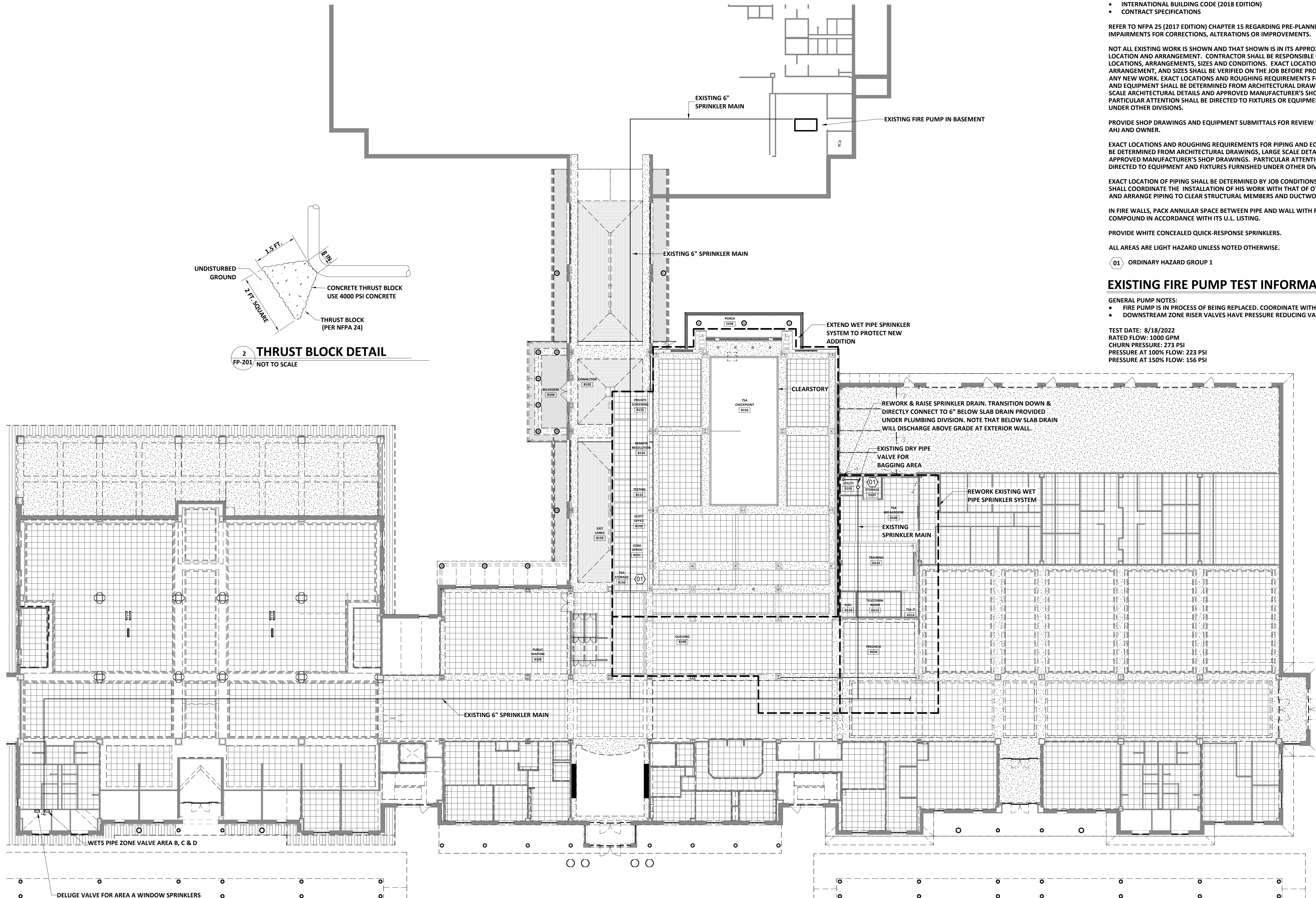
01 ORDINARY HAZARD GROUP 1

EXISTING FIRE PUMP TEST INFORMATION

GENERAL PUMP NOTES:

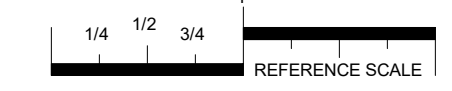
- FIRE PUMP IS IN PROCESS OF BEING REPLACED. COORDINATE WITH UPDATED PUMP TEST.
- DOWNSTREAM ZONE RISER VALVES HAVE PRESSURE REDUCING VALVES.

TEST DATE: 8/18/2022
RATED FLOW: 1000 GPM
CHURN PRESSURE: 273 PSI
PRESSURE AT 100% FLOW: 223 PSI
PRESSURE AT 150% FLOW: 156 PSI



2 THRUST BLOCK DETAIL
FP-201 / NOT TO SCALE

1 FIRE PROTECTION - NEW WORK PLAN
FP-201 SCALE: 1/16" = 1'-0"



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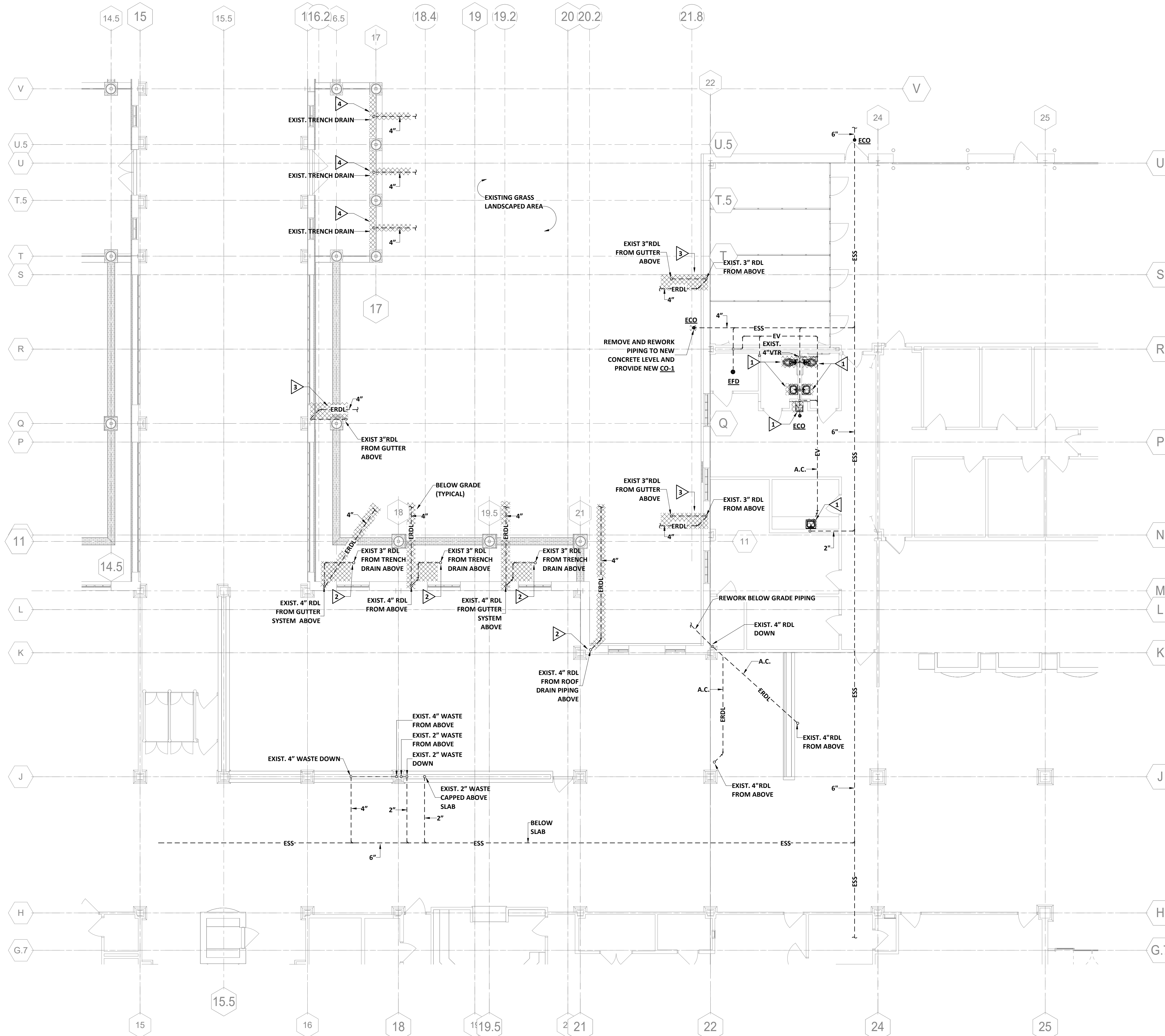
SHEET CONTENTS
**PLUMBING
DEMOLITION PLAN -
WASTE AND VENT**

SHEET NO.:

P-101

KEYNOTES (THIS SHEET ONLY)

- 1 REMOVE EXISTING FIXTURE AND ASSOCIATED WASTE, WATER, AND VENT PIPING TO BEHIND WALL, ABOVE CEILING, BELOW FLOOR AND CAP.
- 2 REMOVE AND REWORK EXISTING DRAIN AND ASSOCIATED PIPING. CAP BELOW GRADE PIPING.
- 3 REMOVE EXISTING GUTTER DRAIN AND ASSOCIATED PIPING. CAP BELOW GRADE PIPING.
- 4 REMOVE EXISTING TRENCH DRAIN AND ASSOCIATED PIPING. CAP BELOW GRADE PIPING.

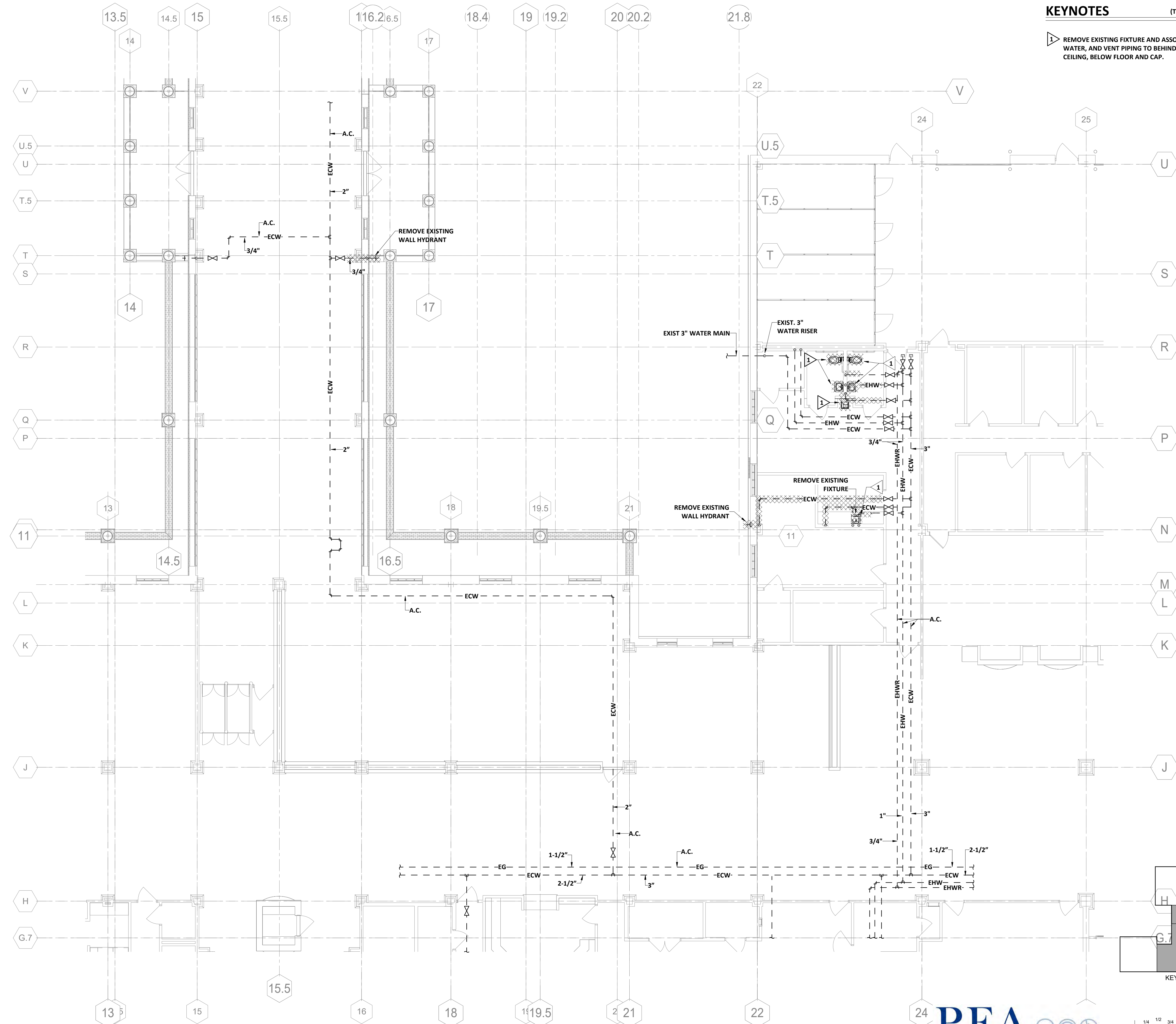


1 PLUMBING DEMOLITION PLAN - WASTE AND VENT
SCALE: 1/8" = 1'-0"



1/4 1/2 3/4
REFERENCE SCALE
PLOT DATE: 03/08/24
FILE NAME: 20113 MECH
PLOT SCALE: 1 = 96
RWW

9/12/2024 3:56:10 PM Autodesk Docs://Augusta Checkpoint Modernization/24014_MECH_R24.rvt



KEYNOTES (THIS SHEET ONLY)

1 REMOVE EXISTING FIXTURE AND ASSOCIATED WASTE, WATER, AND VENT PIPING TO BEHIND WALL, ABOVE CEILING, BELOW FLOOR AND CAP.

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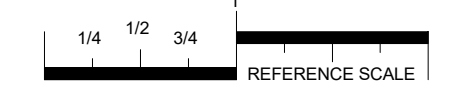
SHEET CONTENTS
**PLUMBING
 DEMOLITION PLAN -
 WATER**

SHEET NO.:

P-102

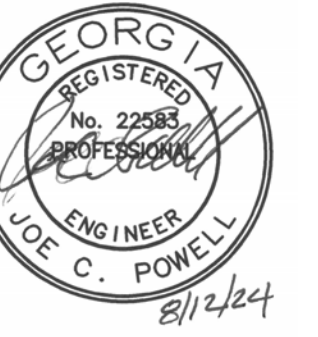
1 PLUMBING DEMOLITION PLAN - WATER
 SCALE: 1/8" = 1'-0"

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 GA LIC. PEF000760 EXP. 06/30/2026



PLOT DATE: 03/08/24
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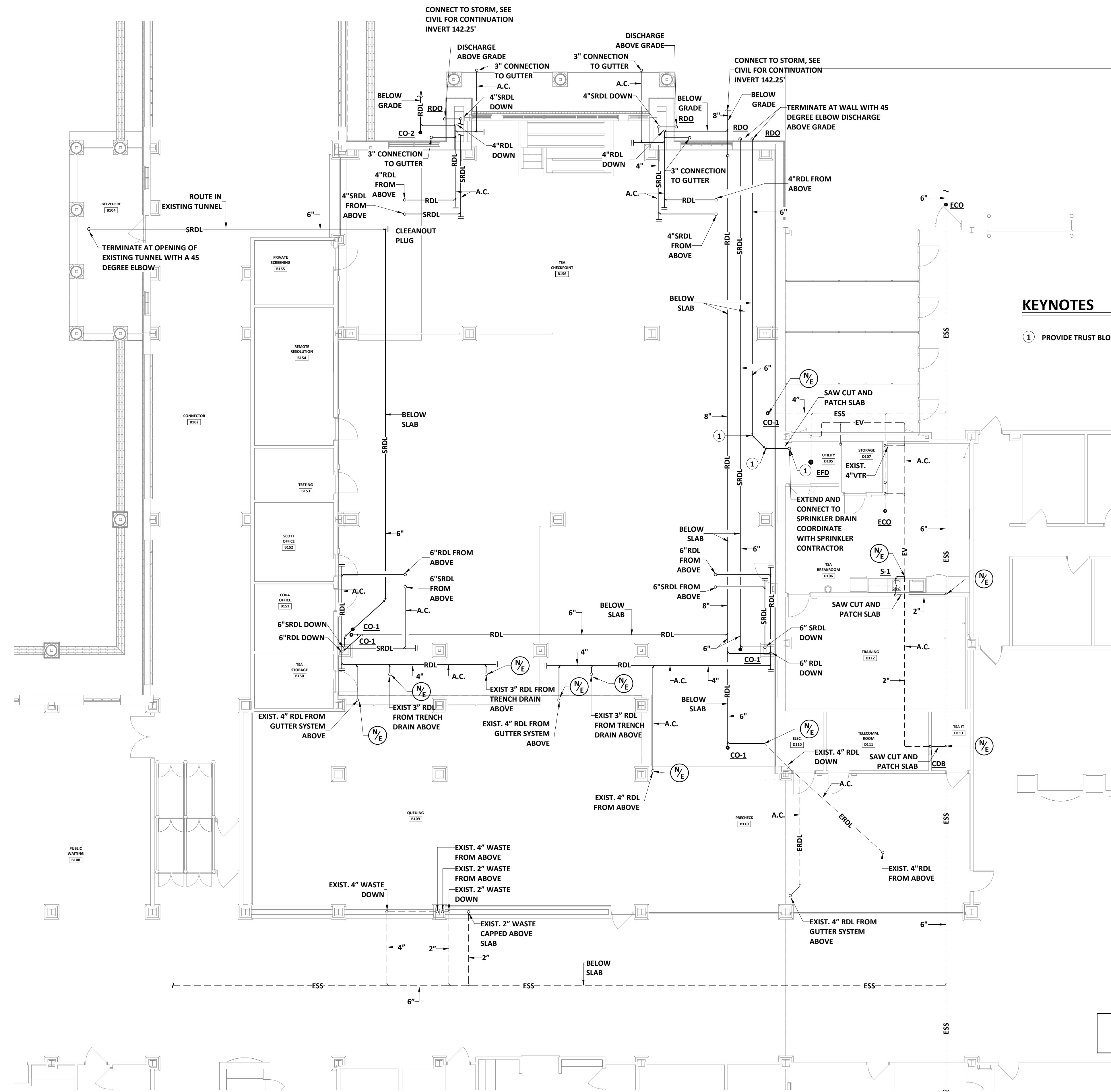
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SHEET CONTENTS
PLUMBING NEW
WORK PLAN - WASTE
AND VENT

SHEET NO.:

P-201



1 PLUMBING NEW WORK PLAN - WASTE AND VENT

P-201 SCALE: 1/8" = 1'-0"

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ENGINEERING

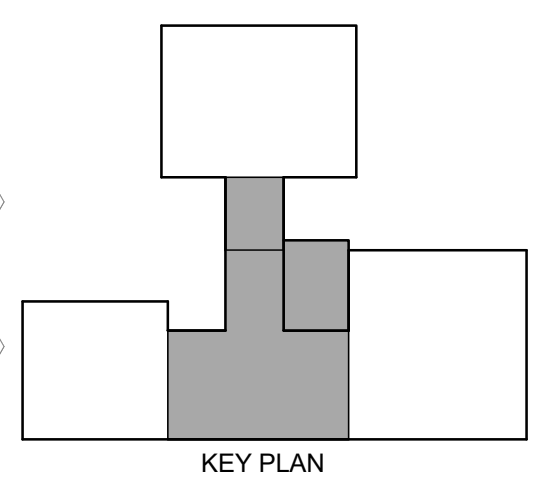
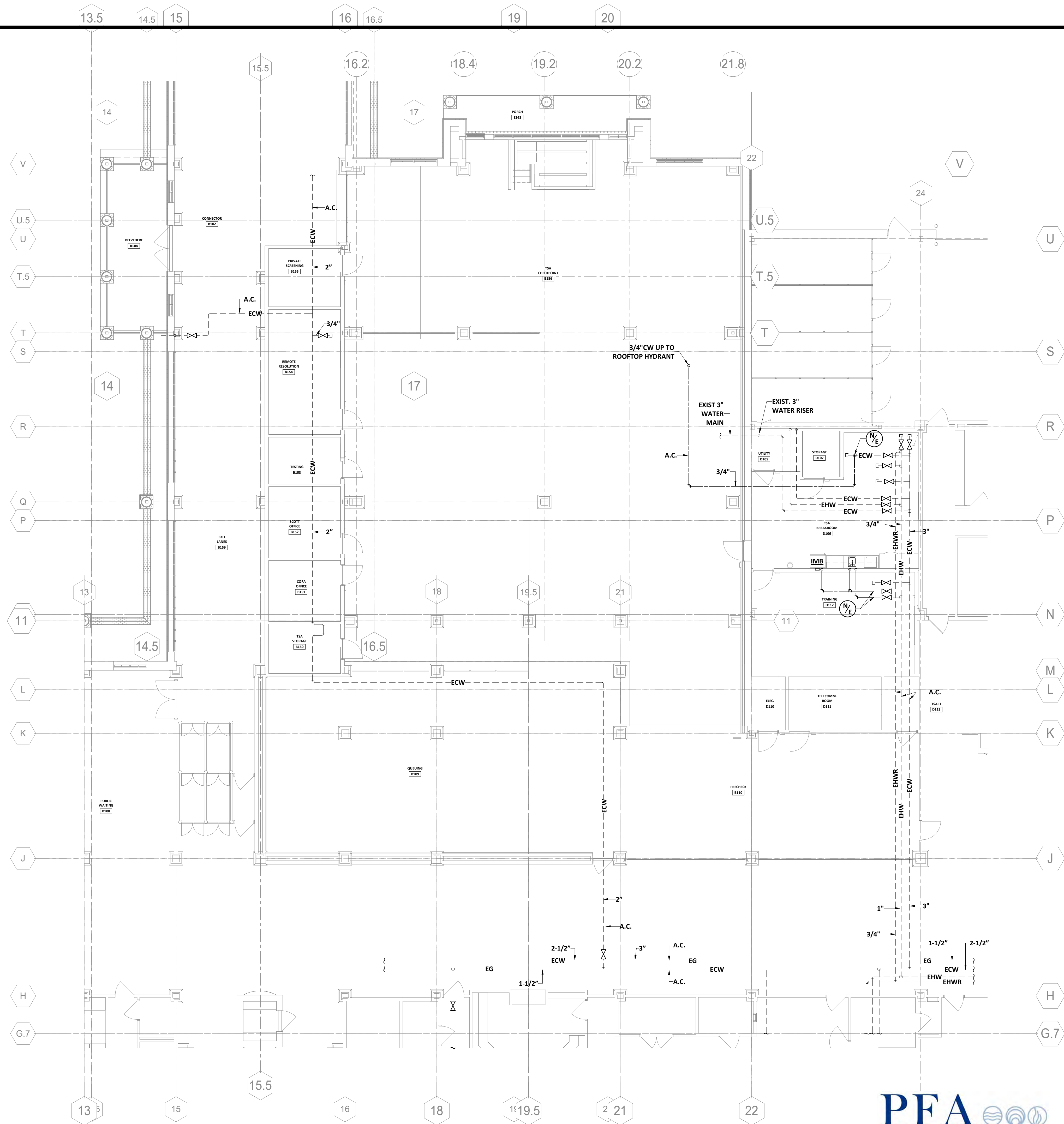
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1 PLUMBING NEW WORK PLAN - WATER
SCALE: 1/8" = 1'-0"

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DRAWN BY: RWW
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DO NOT SCALE DRAWINGS

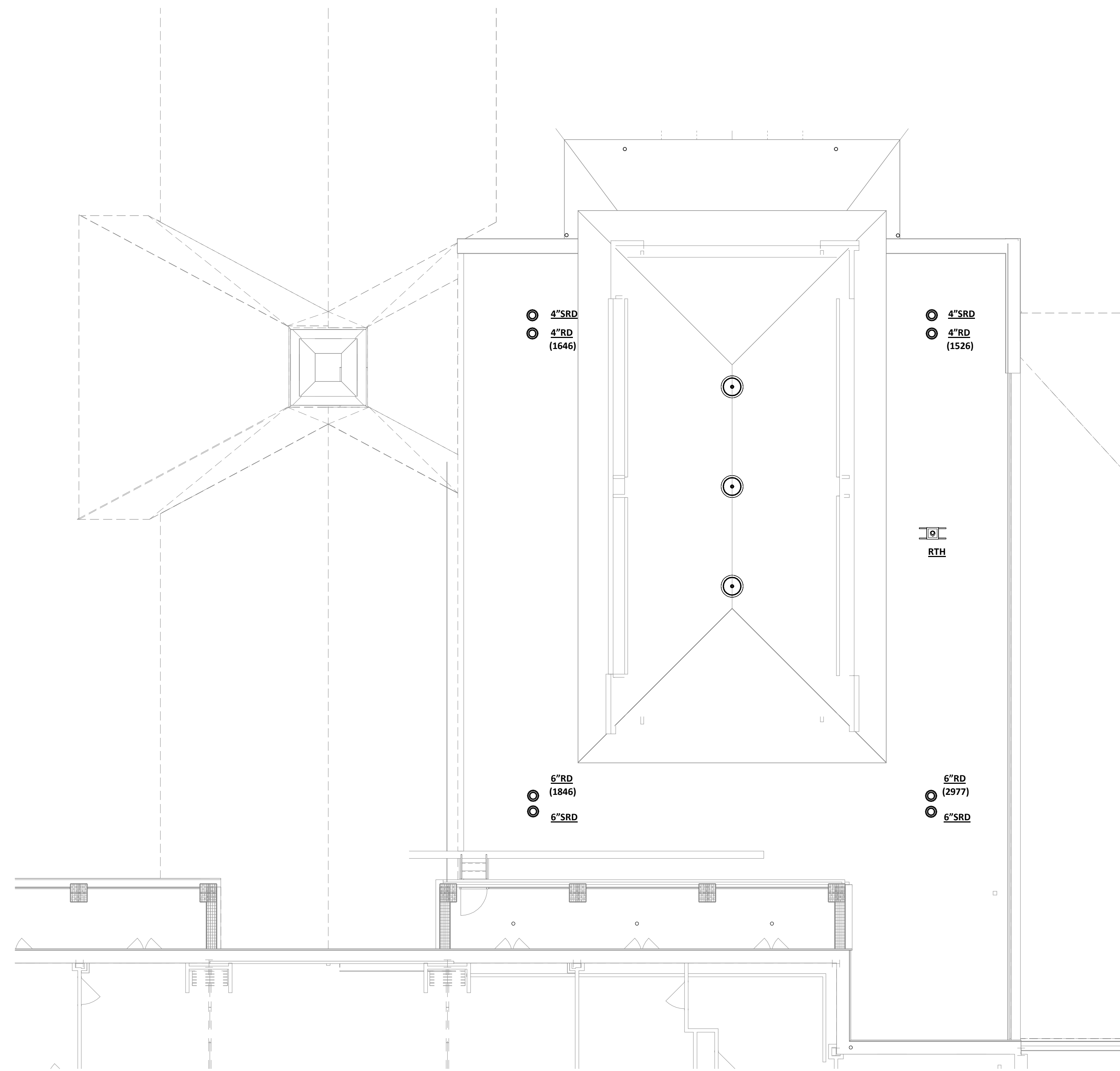
SHEET CONTENTS
**PLUMBING NEW
WORK PLAN -
WATER**

SHEET NO.:

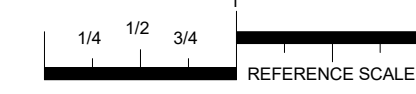
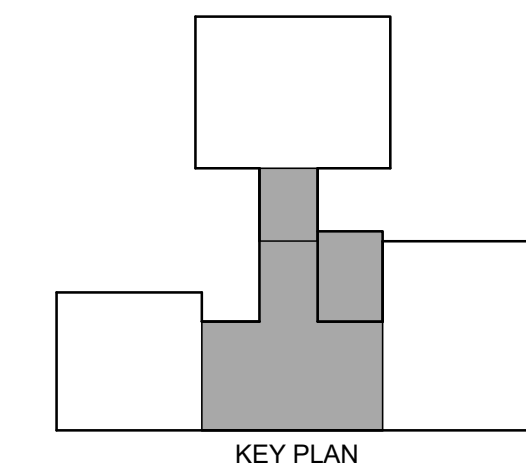
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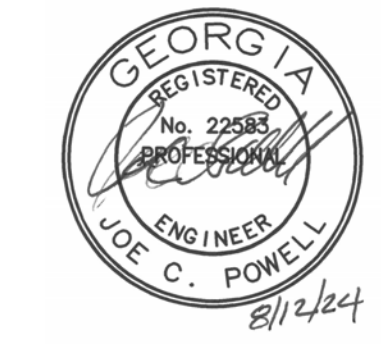
1 PLUMBING ROOF PLAN
 P-203 SCALE: 1/8" = 1'-0"



PLOT DATE: 03/08/24
 FILE NAME: 20113 MECH
 PLOT SCALE: 1 = 96
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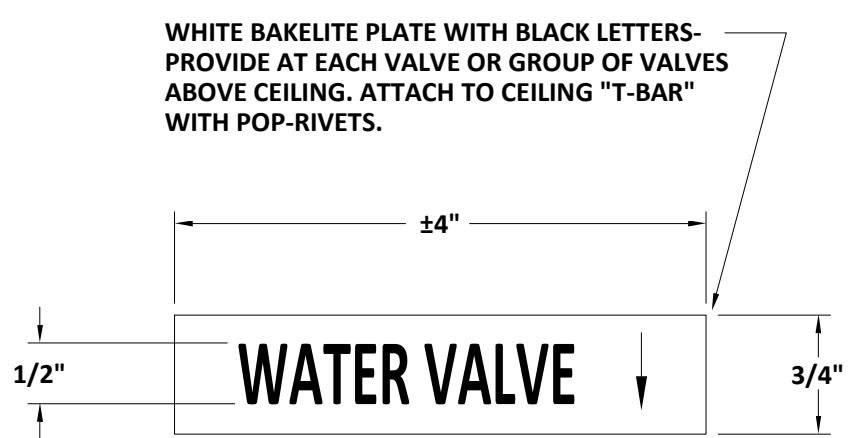
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DO NOT SCALE DRAWINGS
 SHEET CONTENTS
 PLUMBING ROOF PLAN

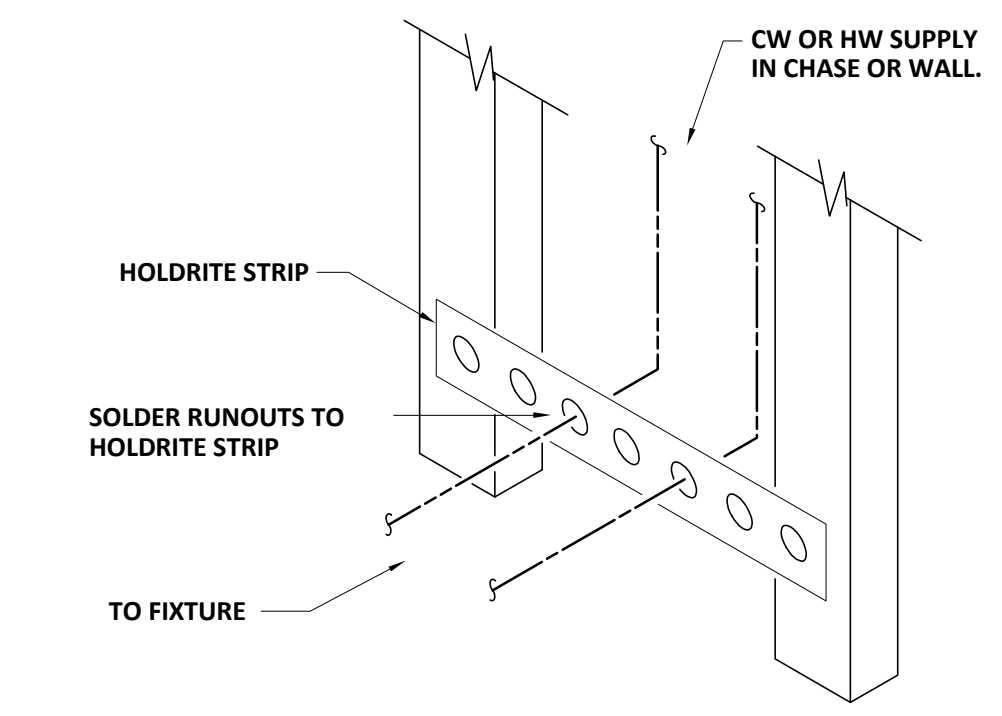
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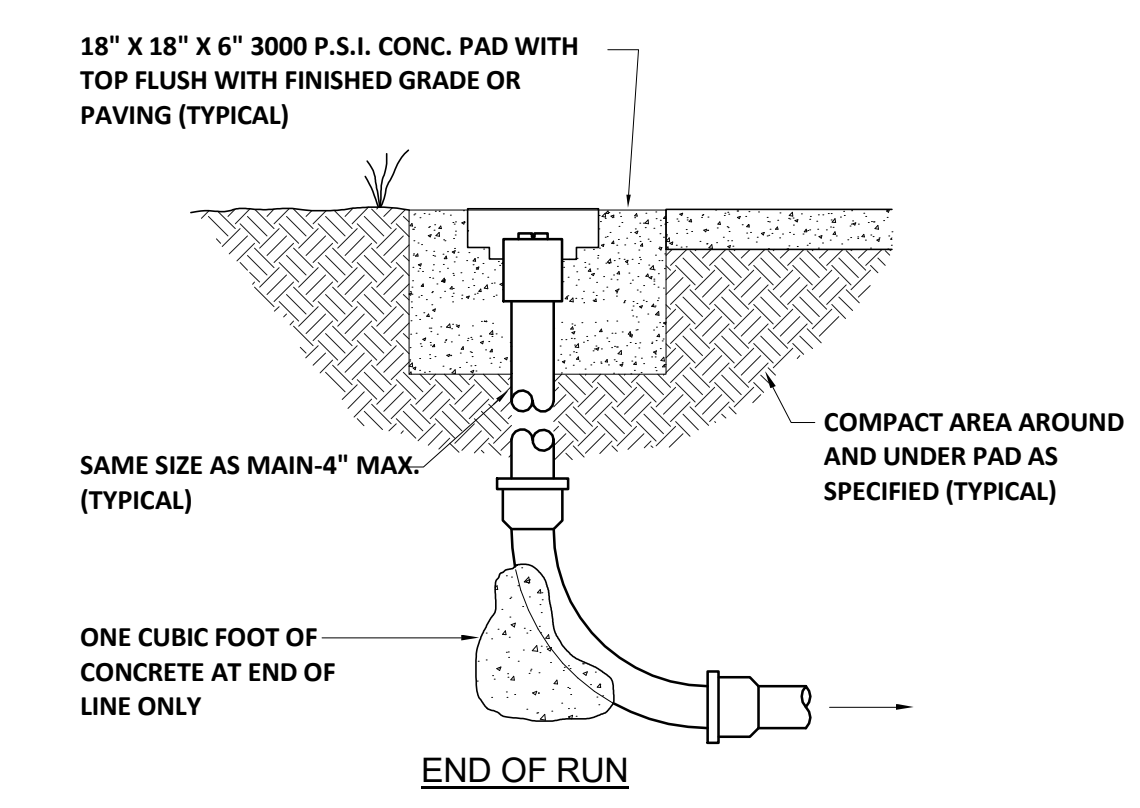
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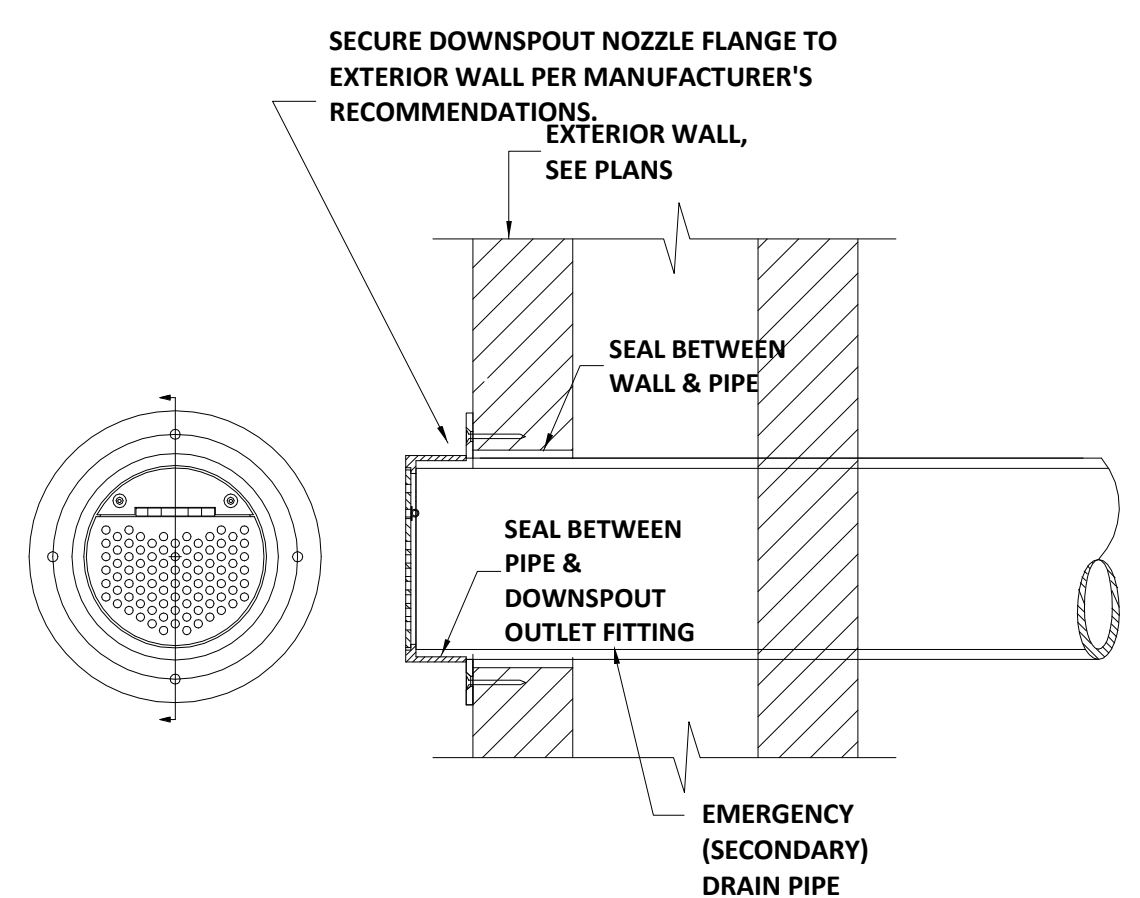
1 WATER VALVE LOCATOR TAG
P-301 NOT TO SCALE



2 RUNOUT ANCHOR DETAILS
P-301 SCHEMATIC



3 CLEANOUT DETAILS
P-301 SCHEMATIC ONLY



4 EMERGENCY ROOF DRAIN OUTLET DETAIL
P-301 NOT TO SCALE

GENERAL PLUMBING NOTES

CONTRACTOR SHALL PROVIDE THE PLUMBING ENGINEER WITH ACCURATE INFORMATION TO BE USED IN THE PREPARATION OF PERMANENT RECORD DRAWINGS. FOR THIS PURPOSE, THE CONTRACTOR SHALL RECORD IN RED INK ON ONE CLEAN SET OF CONTRACT DRAWINGS ALL CHANGES FROM THE INSTALLATIONS ORIGINALLY INDICATED, AND RECORD FINAL LOCATIONS, WHETHER CHANGED OR NOT, OF ALL UNDERGROUND PLUMBING LINES AND VALVES BY DEPTH FROM FINISHED GRADE AND BY ACCURATE HORIZONTAL OFFSET DISTANCES FROM PERMANENT ABOVE GROUND OBJECTS DELIVERED TO THE OWNERS REPRESENTATIVE.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOT ALL EXISTING WORK IS SHOWN AND THAT SHOWN IS IN ITS APPROXIMATE LOCATION AND ARRANGEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS, ARRANGEMENTS, SIZES AND CONDITIONS AND IN CASE OF DISCREPANCY TO CONTACT THE ARCHITECT FOR RELOCATION AND REMOVAL OF SAID ELEMENTS IN ACCORDANCE WITH THE BASIC INTENTIONS INDICATED BY THE DRAWINGS AND DETAILS. NOT ALL EXISTING WORK IS SHOWN AND THAT SHOWN IS IN ITS APPROXIMATE LOCATION AND ARRANGEMENT. EXACT LOCATION, ARRANGEMENT, AND SIZES SHALL BE VERIFIED ON THE JOB BEFORE PROCEEDING WITH ANY NEW WORK. EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR ALL FIXTURES AND EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE ARCHITECTURAL DETAILS AND APPROVED MANUFACTURER'S SHOP DRAWINGS. PARTICULAR ATTENTION SHALL BE DIRECTED TO FIXTURES OR EQUIPMENT FURNISHED UNDER OTHER DIVISIONS.

EXERCISE CARE SO AS NOT TO CUT ANY EXISTING UTILITIES OR SERVICES. WHERE AN EXISTING UTILITY LINE OR SERVICE LINE IS CUT IT SHALL BE REPAIRED TO "LIKE-NEW" CONDITION. INTERRUPTION OF SERVICE SHALL NOT BE MADE WITHOUT PRIOR WRITTEN PERMISSION OF THE OWNER.

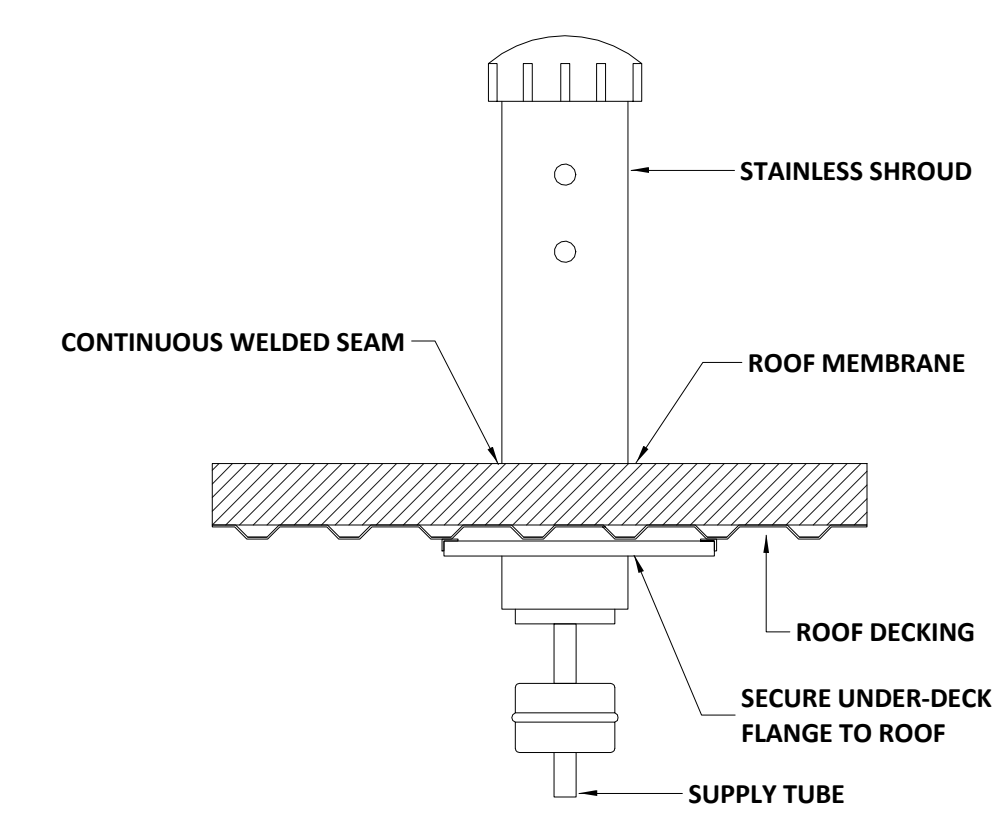
EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR ALL FIXTURES, EQUIPMENT AND PIPING SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE ARCHITECTURAL DETAILS, APPROVED MANUFACTURER'S SHOP DRAWINGS AND JOB CONDITIONS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH THAT OF OTHER TRADES AND ARRANGE PIPING TO CLEAR STRUCTURAL MEMBERS AND DUCTWORK. RISERS FOR FIXTURES, UNLESS OTHERWISE NOTED, SHALL BE CONCEALED IN WALLS OR PIPE CHASES. PIPING IS SHOWN IN ITS GENERAL LOCATION (UNLESS DIMENSIONED).

INVERT ELEVATIONS SHOWN SHALL BE VERIFIED ON THE JOB BEFORE INSTALLING ANY NEW PIPE. INSTALL TEST-TEES WHEN THE SANITARY SEWER SYSTEM IS TO BE TESTED IN SECTIONS.

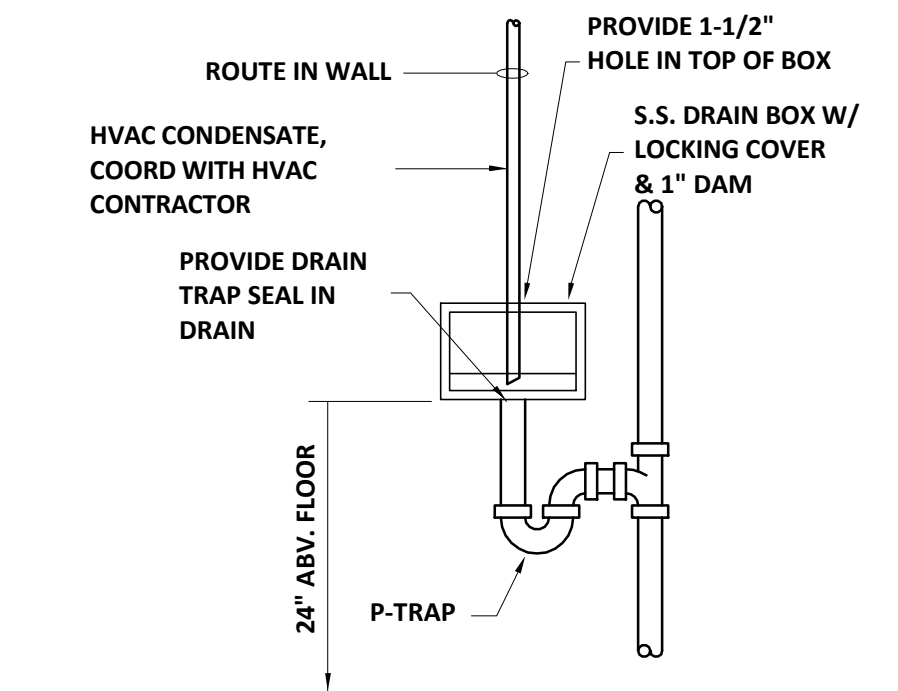
REFER TO ARCHITECTURAL FINISH SCHEDULE AND ELEVATIONS FOR DETAILS OF FLOORS WHERE FLOOR DRAINS AND CLEANOUTS ARE LOCATED.

INSTALL EXTERIOR WALL HYDRANTS 18" ABOVE FINISH GRADE, EXCEPT AS NOTED OTHERWISE.

VENT TERMINALS SHALL NOT BE LOCATED WITHIN 10' OF FRESH AIR INTAKE. COORDINATE WITH APPROPRIATE TRADE.



5 ROOF HYDRANT DETAIL
P-301 NOT TO SCALE



6 CONDENSATE DRAIN BOX DETAIL
P-301 SCHEMATIC ONLY

PLUMBING FIXTURE SCHEDULE

| SYMBOL | FIXTURE | WASTE | | COLD WATER | HOT WATER | RIM HGT. | BASIS OF DESIGN FIXTURE |
|--------|----------------------|--------------|--------|------------|-----------|----------|---|
| | | CONN. BRANCH | VENT | | | | |
| S-1 | SINGLE SINK (A.D.A.) | 1-1/2" 2" | 1-1/2" | 1/2" | 1/2" | DECK | JUST SL-ADA-1921-AGR 6" DEEP, 18GA SYMMONS S-23-1.5 FAUCET, MCGUIRE 1151AWC DRAIN (3) |
| IMB | ICE MAKER BOX | - | - | 1/2" | - | 12" | OATEY 39141 W/ FACEPLATE |
| RD | ROOF DRAIN | - | - | - | - | - | SMITH 1015-Y-C-R-A W/ ADJUSTABLE EXTENSION |
| SRD | SECONDARY ROOF DRAIN | - | - | - | - | - | SMITH 1080-Y-C-R-A W/ ADJUSTABLE EXTENSION |
| RDO | ROOF DRAIN OUTLET | - | - | - | - | - | SMITH 1775 |
| CO-1 | CLEANOUT | - | - | - | - | - | SMITH 4031 (1) (2) |
| CO-2 | CLEANOUT (PLUG TYPE) | - | - | - | - | - | SMITH 4292 |
| RTH | ROOF TOP HYDRANT | - | - | 3/4" | - | - | MAPA MPH-24FP |
| CDB | CONDENSATE DRAIN BOX | 2" 2" | 1-1/2" | - | - | - | ACORN M8200-E510 BOX WITH 1" DAM, LOCKING COVER, & 1-1/2" HOLE IN TOP (4) |

PLUMBING FIXTURE SCHEDULE KEYNOTES

- ① PROVIDE CARPET MARKERS IN CARPETED AREAS.
- ② RIM FLUSH WITH FINISHED FLOOR.
- ③ PROVIDE CENTER REAR DRAIN PUNCH.
- ④ PROVIDE DRAIN TRAP SEAL DEVICE EQUAL TO MIFAB MI-GARD.

PLUMBING LEGEND

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|-----------|---------------------------------------|--------|---------------------------|
| ---ESS--- | EXIST. SOIL, WASTE, OR SANITARY SEWER | --- | WASTE OR SANITARY SEWER |
| ---ECW--- | EXISTING COLD WATER | --- | VENT |
| VTR | VENT THRU ROOF | --- | COLD WATER |
| --- | SHUTOFF VALVE | --- | HOT WATER |
| RD | ROOF DRAIN | --- | ROOF DRAIN LINE |
| (N/E) | NEW WORK CONNECTION TO EXISTING WORK | --- | EXISTING ROOF DRAIN LINE |
| ERD | EXISTING ROOF DRAIN | --- | SECONDARY ROOF DRAIN LINE |
| A.C. | ABOVE CEILING | CO | CLEANOUT |
| I.E. | INVERT ELEVATION | PDI'X' | WATER HAMMER ARRESTOR |
| ECO | EXISTING CLEANOUT | --- | CLEANOUT PLUG |

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SHEET CONTENTS
**PLUMBING
SCHEDULE AND
DETAILS**

SHEET NO.:

P-301

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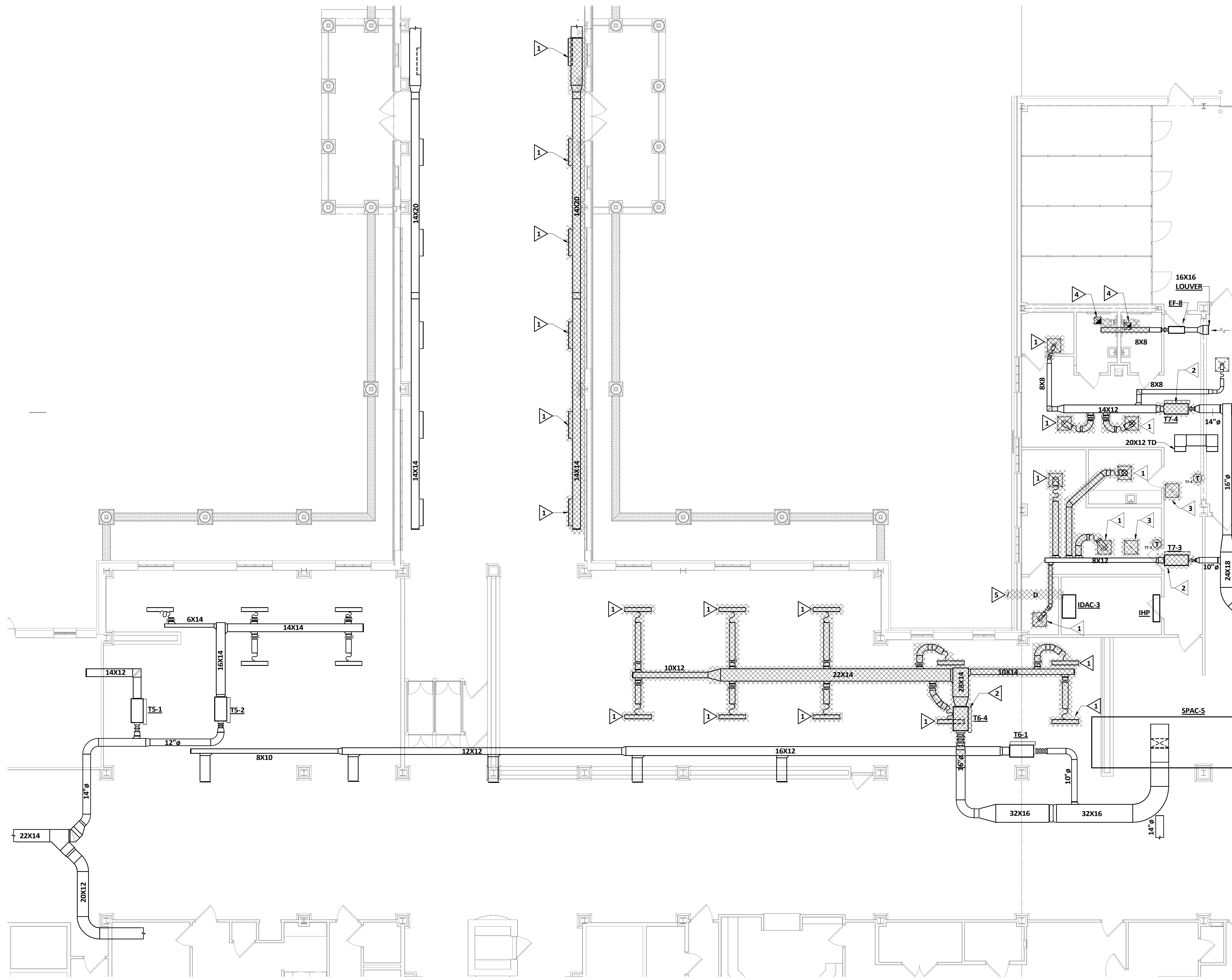
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SHEET CONTENTS
HVAC FIRST FLOOR
DEMOLITION

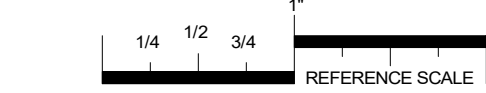
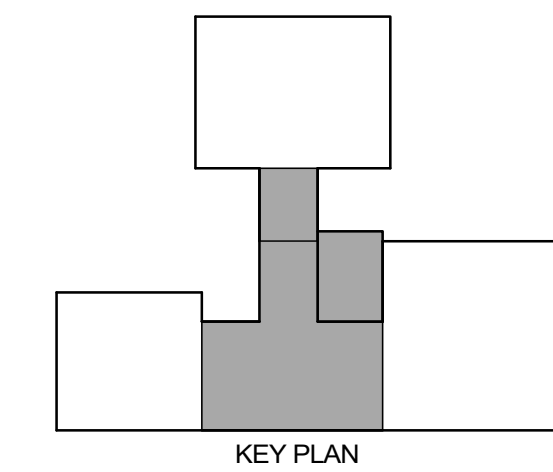
SHEET NO.:

M-101



DEMOLITION NOTES (THIS SHEET ONLY)

- 1 REMOVE EXISTING SUPPLY DIFFUSER AND ASSOCIATED DUCTWORK, HANGERS, INSULATION, AND ACCESSORIES TO THE EXTENT SHOWN.
- 2 REMOVE EXISTING VAV TERMINAL UNIT AND ASSOCIATED HANGERS, DUCTWORK, CONTROLS, AND ACCESSORIES TO THE EXTENT SHOWN.
- 3 REMOVE EXISTING PLENUM RETURN GRILLE.
- 4 REMOVE EXISTING EXHAUST GRILLE AND ASSOCIATED DUCTWORK, HANGERS, AND ACCESSORIES TO THE EXTENT SHOWN.
- 5 REMOVE EXISTING CONDENSATE DRAIN PIPING.



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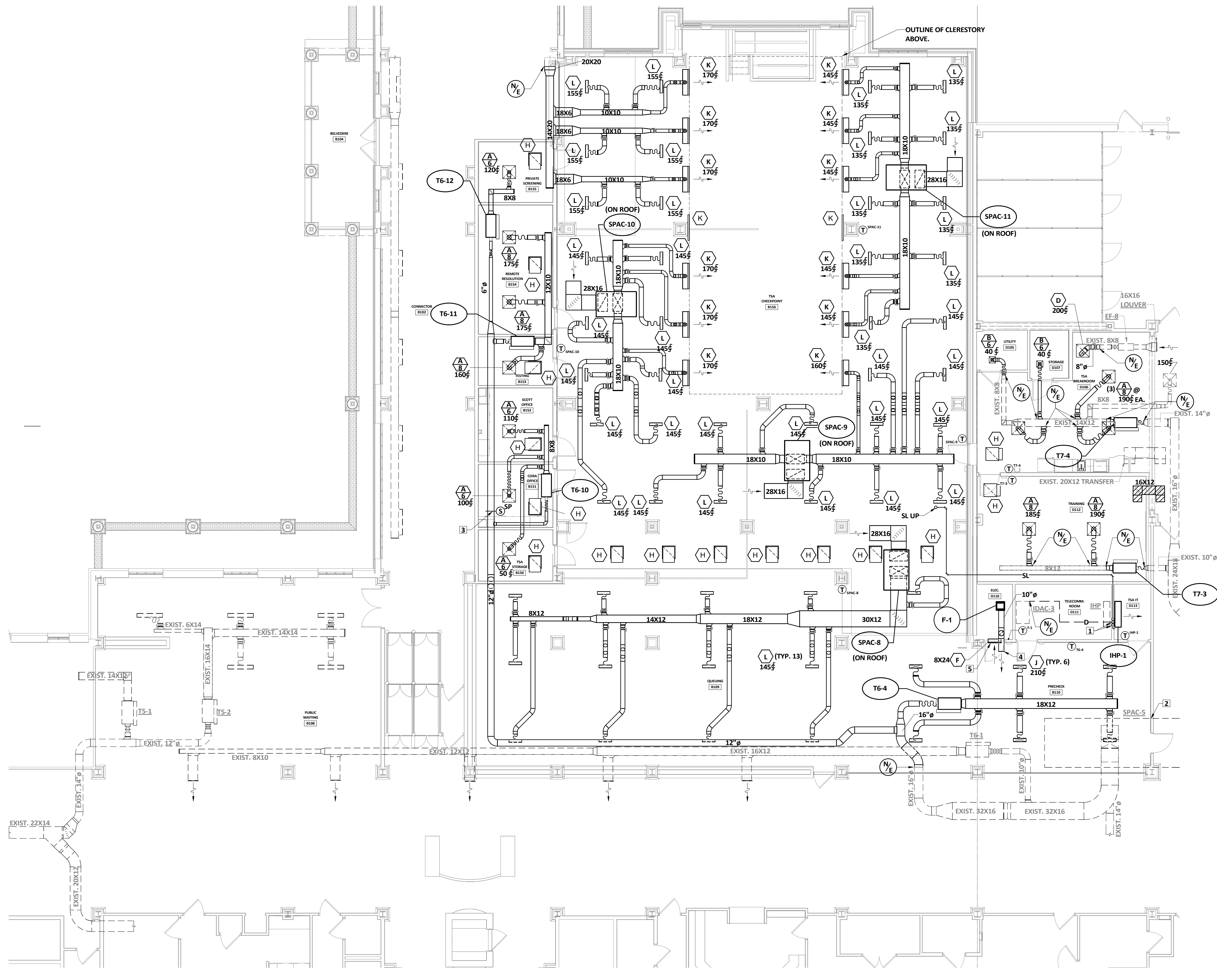
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SHEET CONTENTS
HVAC FIRST FLOOR
RENOVATION

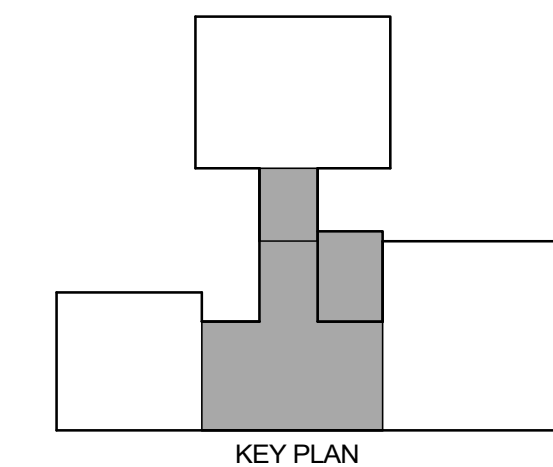
SHEET NO.:

M-201



KEYNOTES (THIS SHEET ONLY)

- ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION TO DRAIN BOX IN WALL. SEE PLUMBING DRAWINGS.
- MODIFY SPAC-5 CONTROLLER PROGRAMMING TO INCLUDE AN ADDITIONAL STATIC PRESSURE SENSOR AND SETPOINT. ADJUST SETPOINT TO ACHIEVE VAV BOX DESIGN AIRFLOWS. SEQUENCE OF OPERATION SHALL EVALUATE STATIC PRESSURE READINGS AND CORRESPONDING SETPOINTS AND MODULATE SUPPLY FAN SPEED ACCORDING TO WORST-CASE SENSOR/SETPOINT.
- INSTALL NEW STATIC PRESSURE SENSOR IN LOCATION SHOWN. CONNECT TO EXISTING CONTROLS FOR SPAC-5.
- DISCHARGE OPEN END OF DUCT ABOVE CEILING.
- INSTALL TRANSFER GRILLE AND DUCT BELOW CEILING AND ABOVE DOOR.



HVAC FIRST FLOOR RENOVATION
SCALE: 1/8" = 1'-0"

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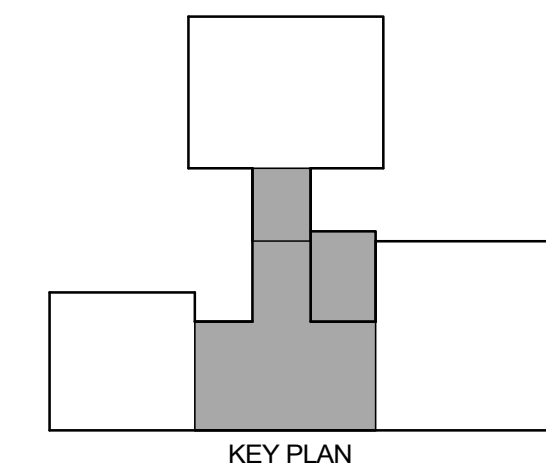
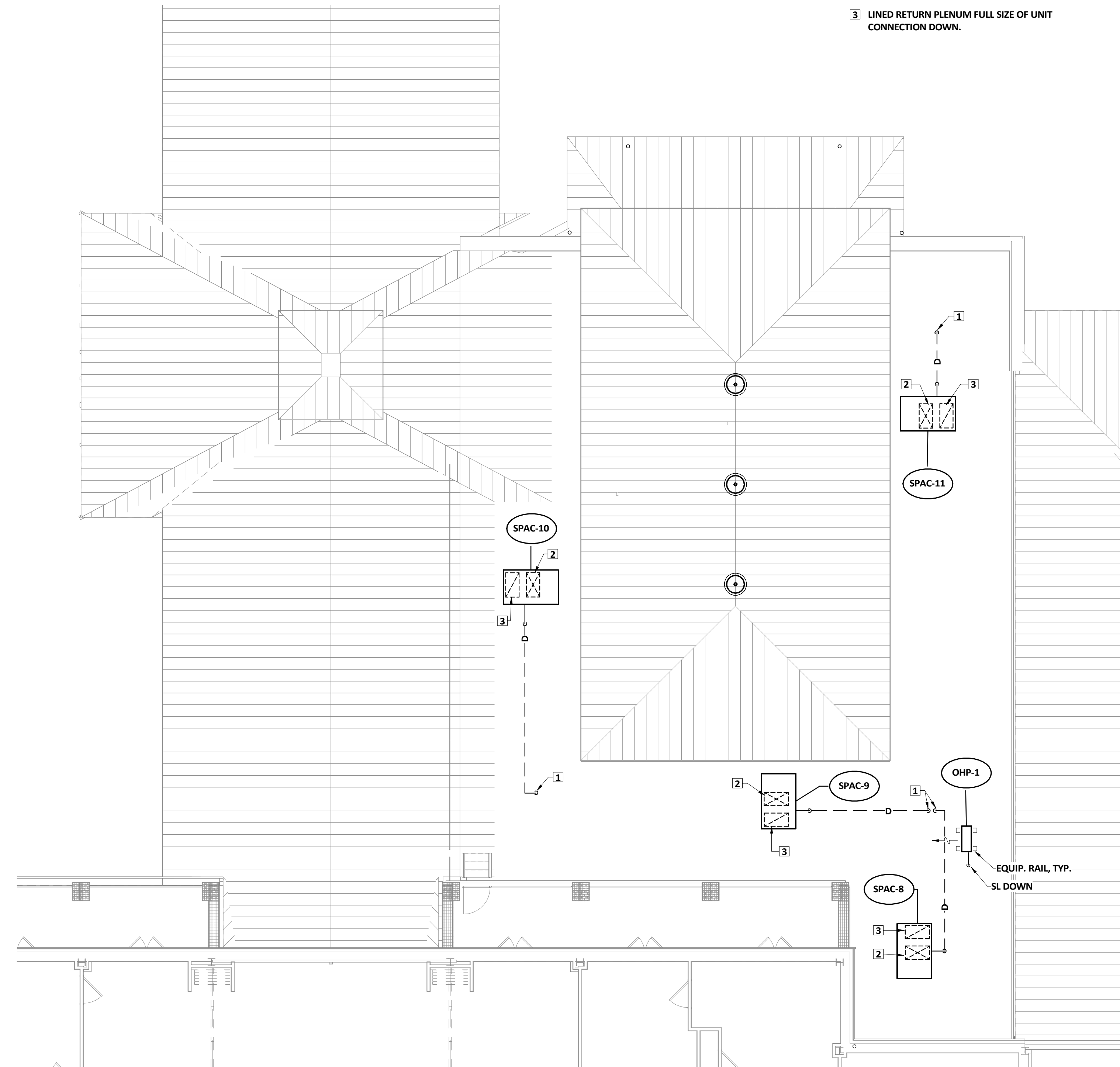
SHEET CONTENTS
HVAC ROOF
RENOVATION

SHEET NO.:

M-202

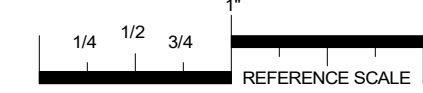
KEYNOTES (THIS SHEET ONLY)

- 1 TRAP AND ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION TO ROOF DRAIN.
- 2 LINED SUPPLY PLENUM FULL SIZE OF UNIT CONNECTION DOWN.
- 3 LINED RETURN PLENUM FULL SIZE OF UNIT CONNECTION DOWN.



1 HVAC ROOF RENOVATION
M-202 SCALE: 1/8" = 1'-0"

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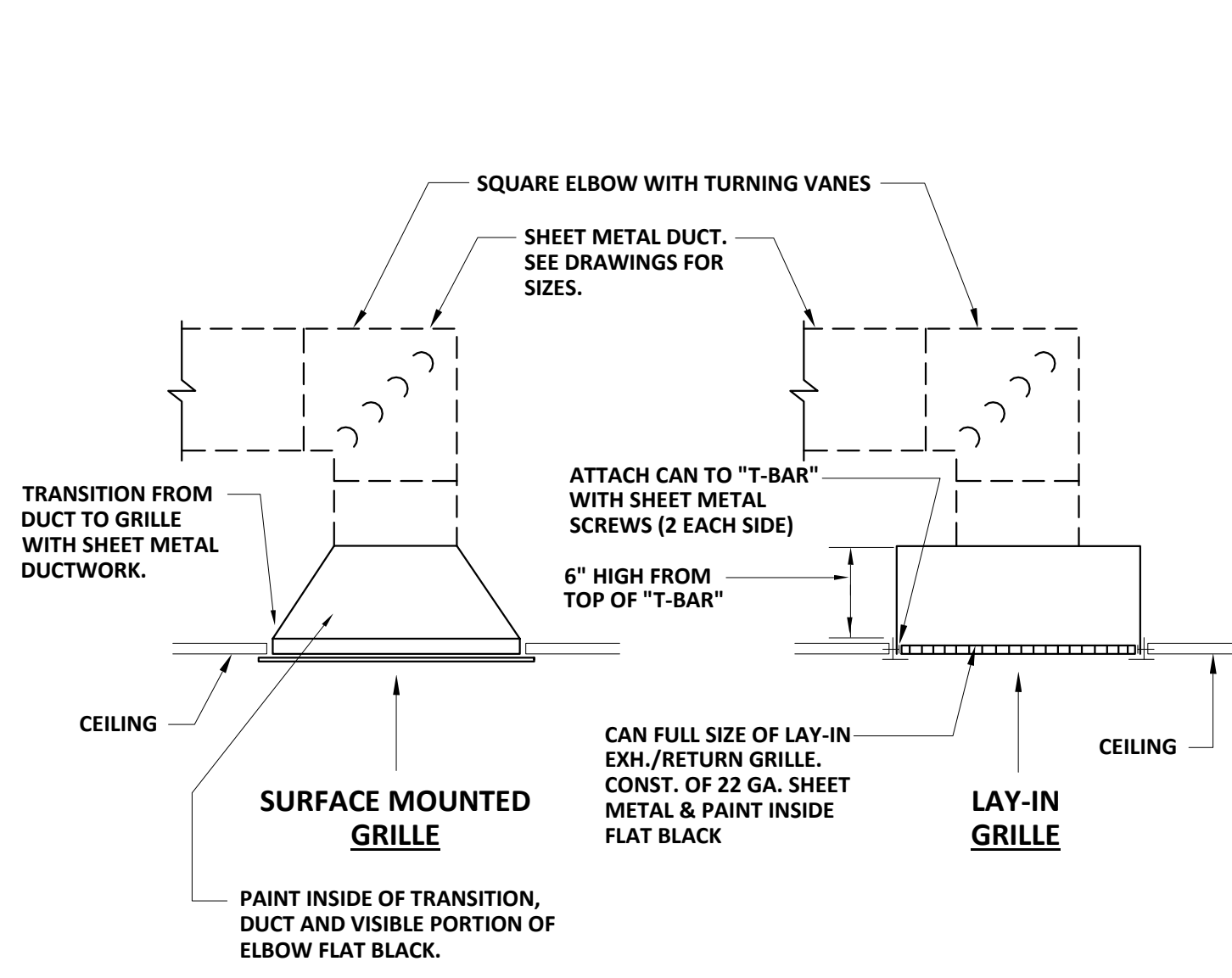
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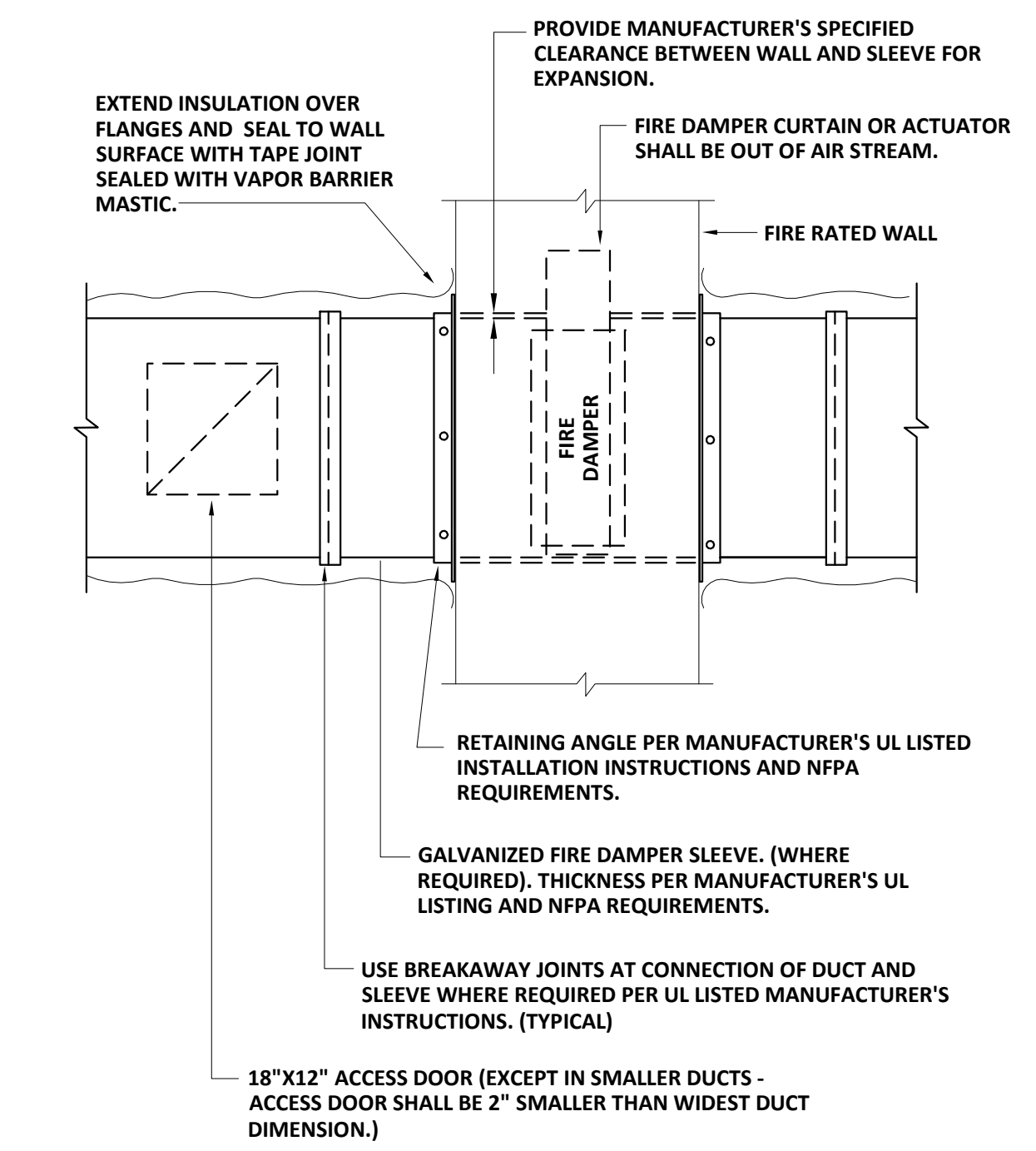
SHEET CONTENTS
HVAC DETAILS

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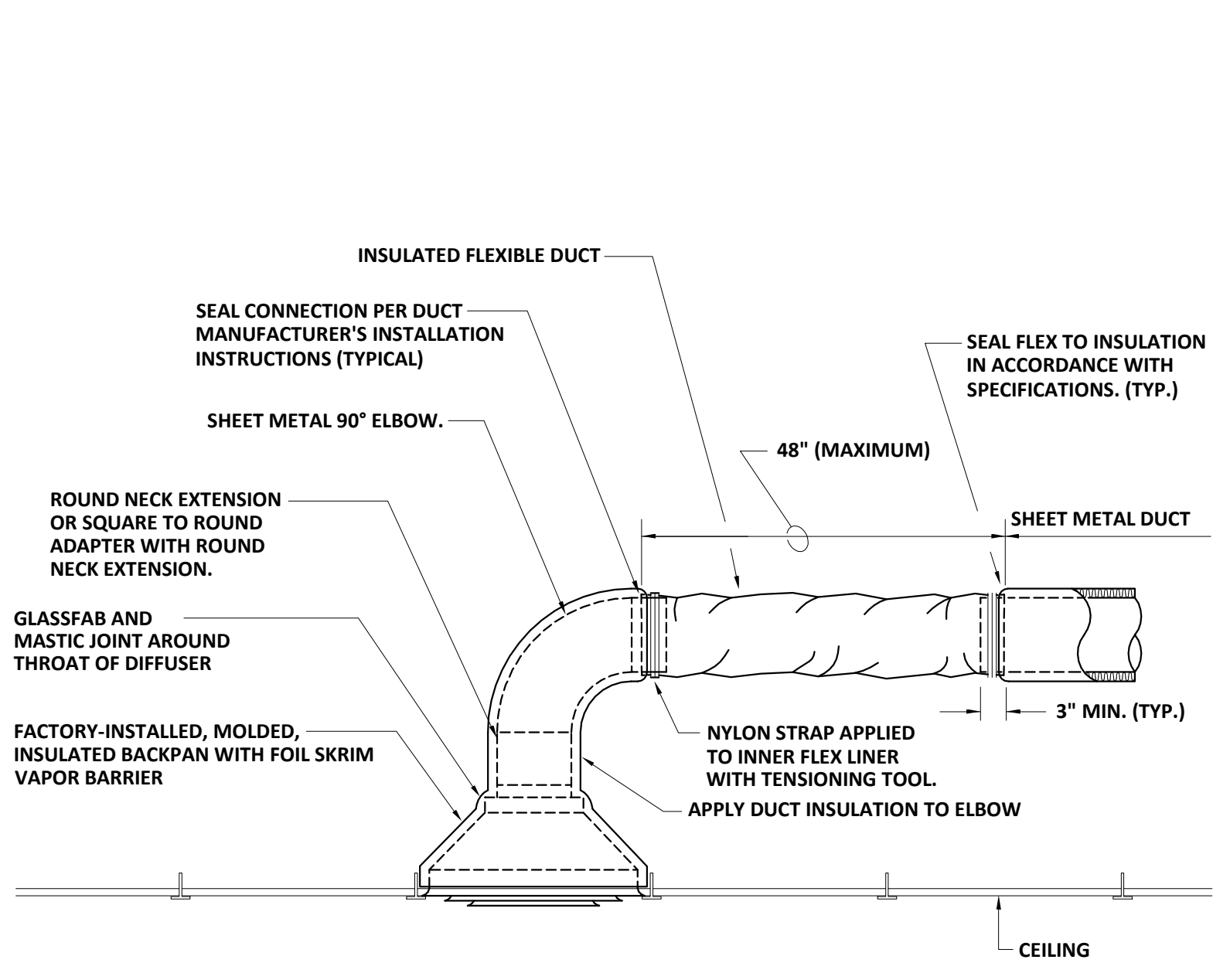
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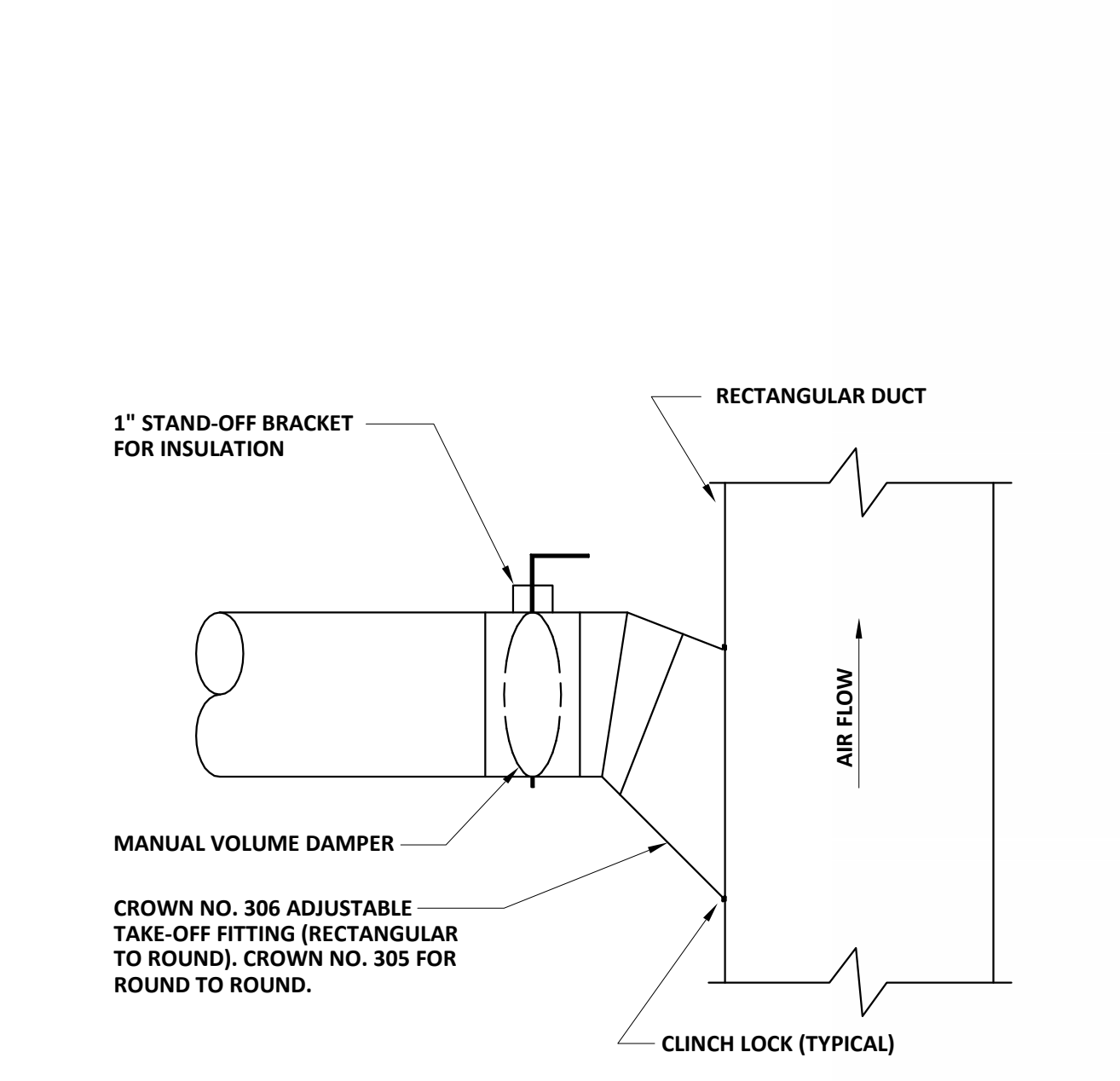
1 EXHAUST/RETURN GRILLE CONNECTION DETAILS
M3-1 NOT TO SCALE



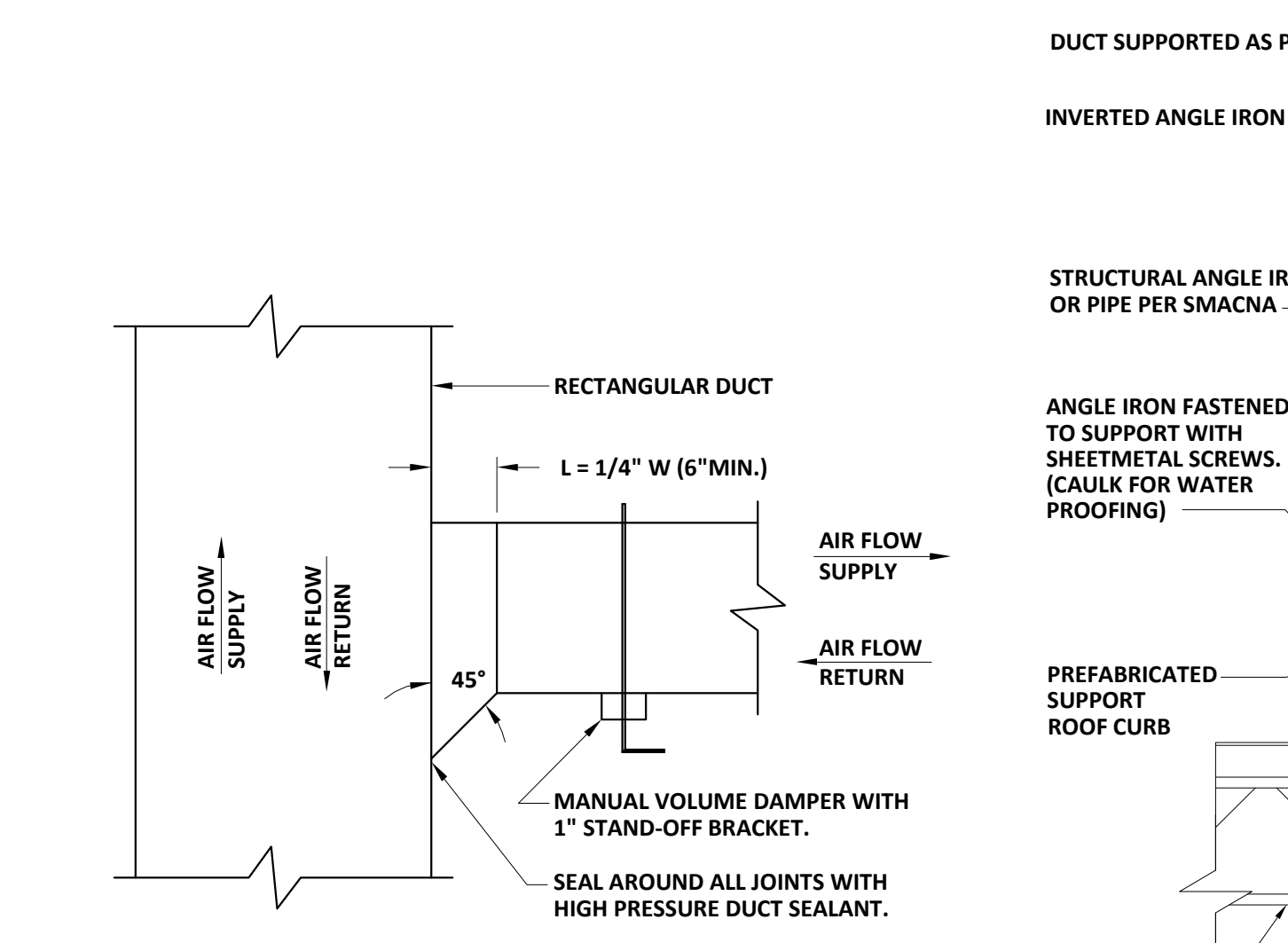
2 RATED DAMPER & SLEEVE DETAIL
M3-1 NOT TO SCALE



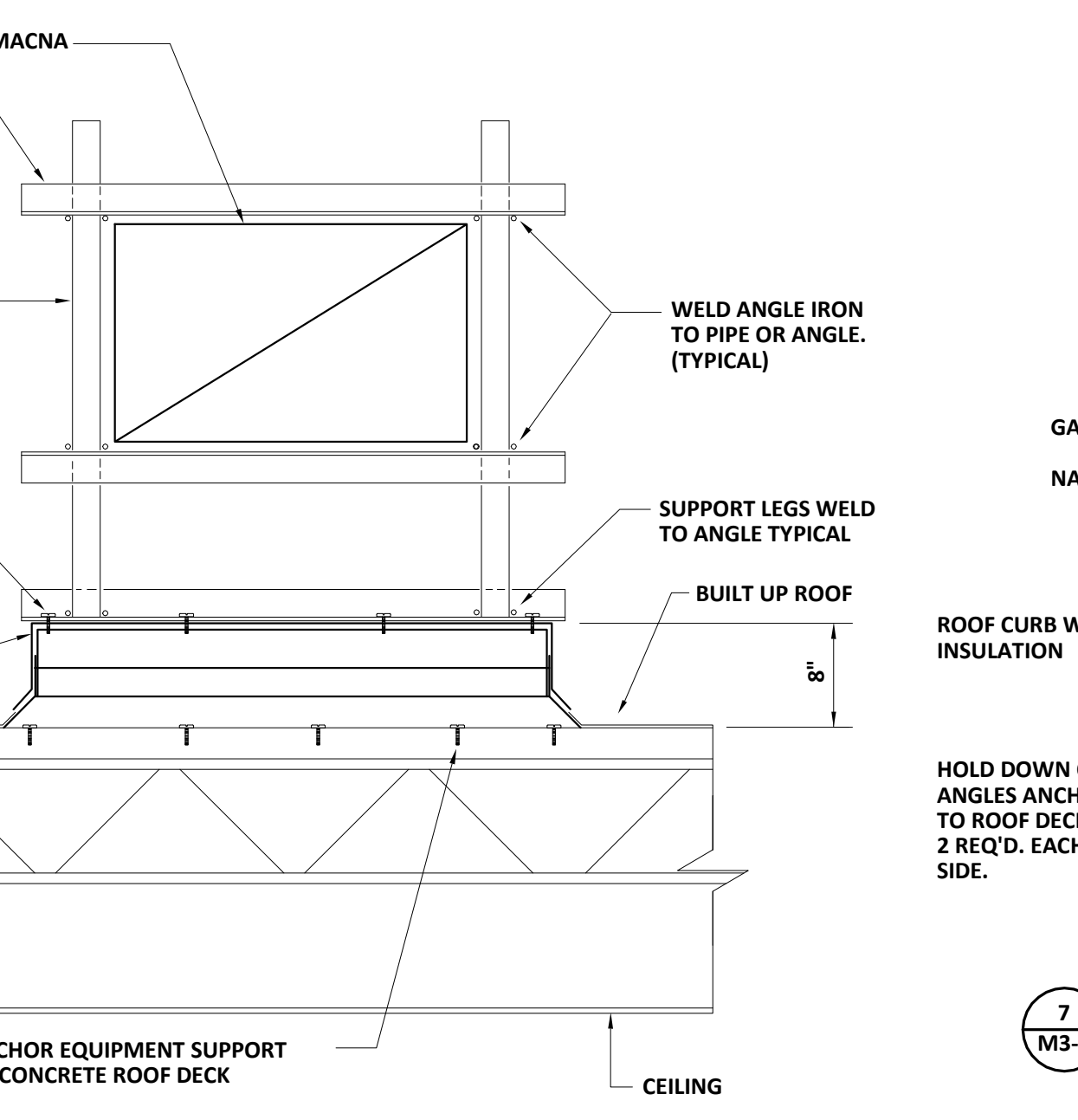
3 FLEXIBLE ROUND DUCT CONNECTION DETAIL
M3-1 NOT TO SCALE



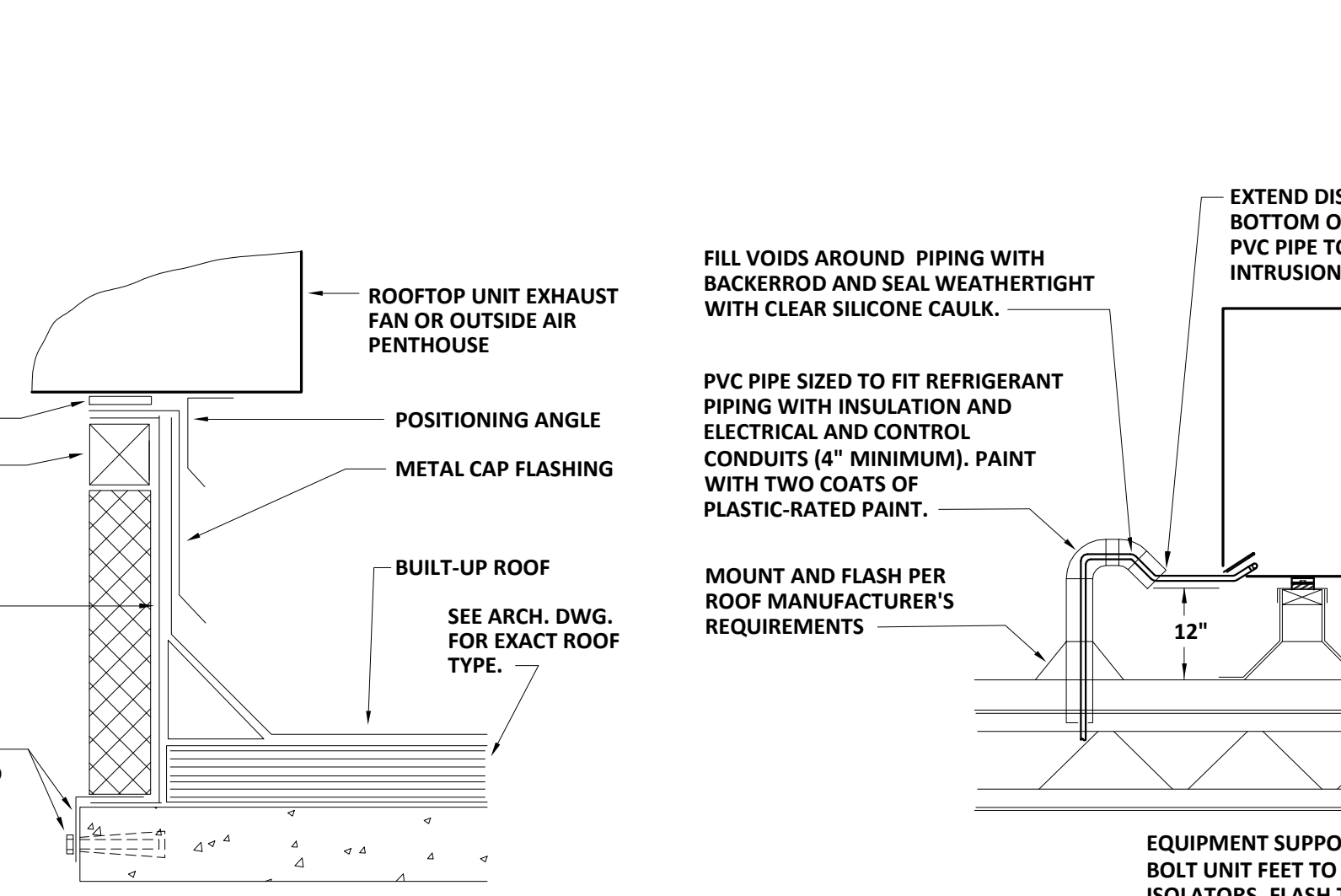
4 SUPPLY DUCT TAKE-OFF FITTING DETAIL
M3-1 NOT TO SCALE



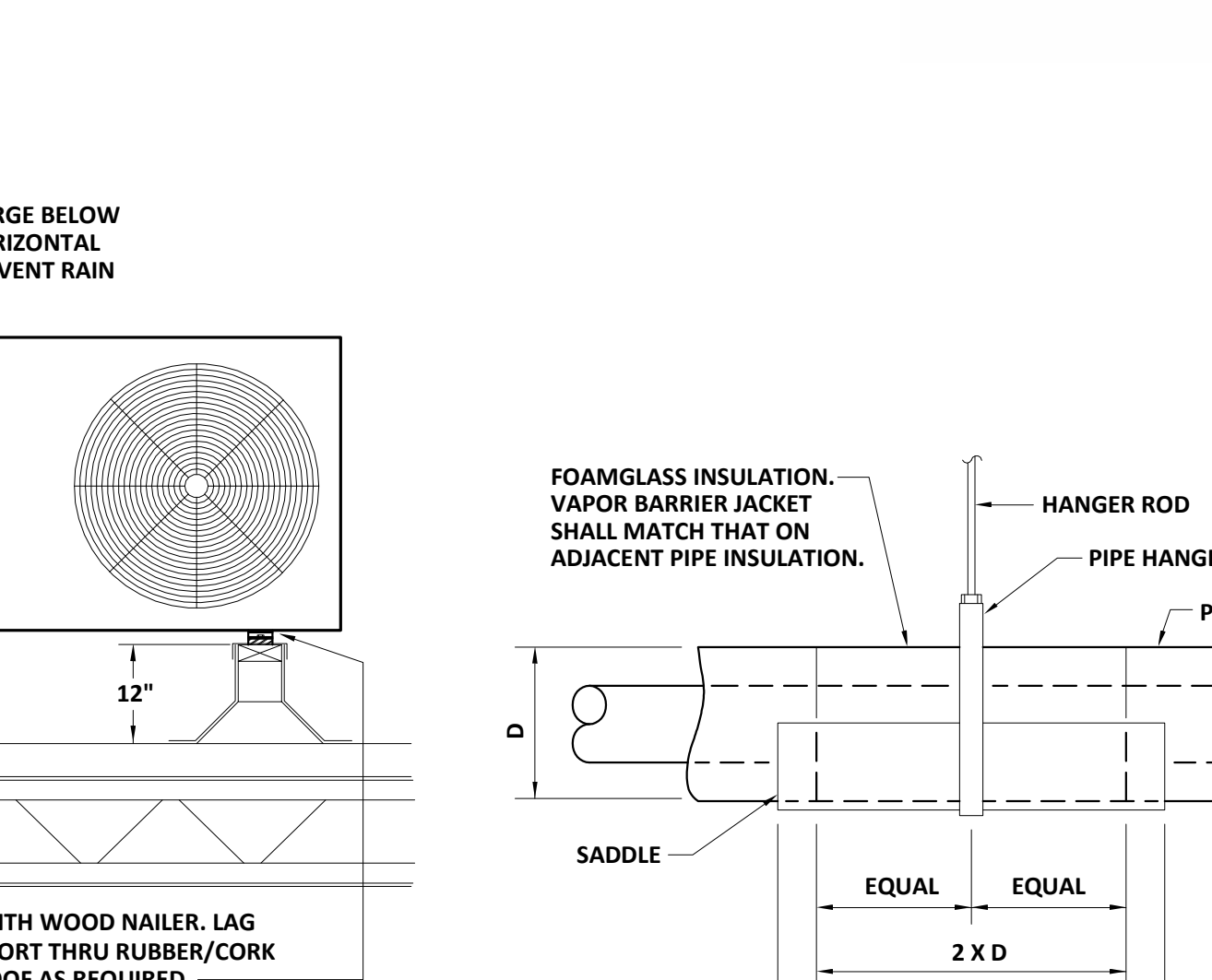
5 RECTANGULAR SUPPLY AND RETURN DUCT TAKE-OFF DETAIL
M3-1 NOT TO SCALE



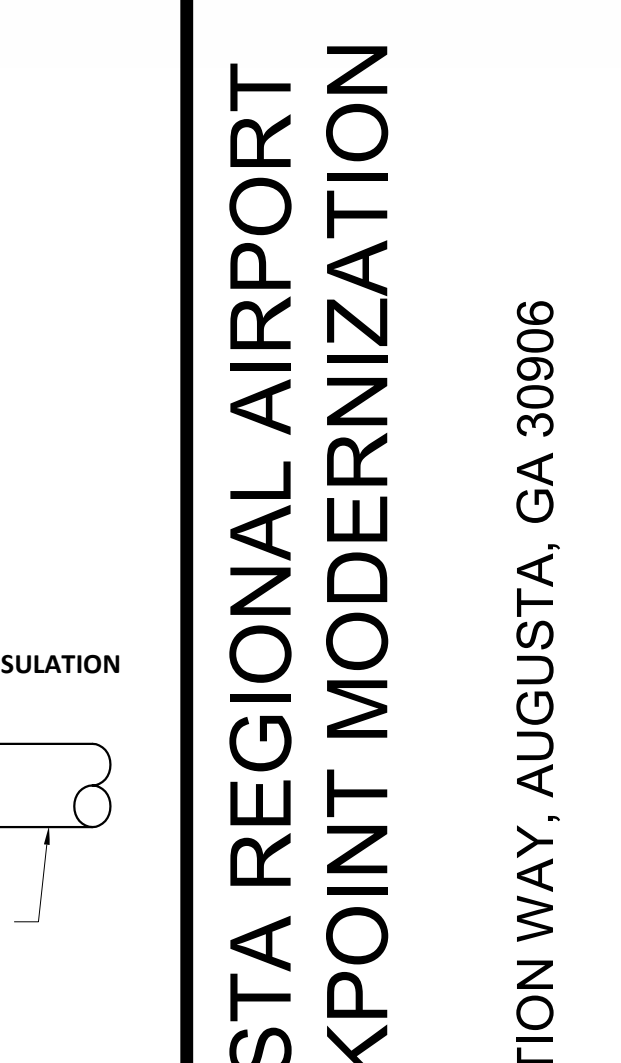
6 DUCT SUPPORT ON ROOF DETAIL
M3-1 NOT TO SCALE



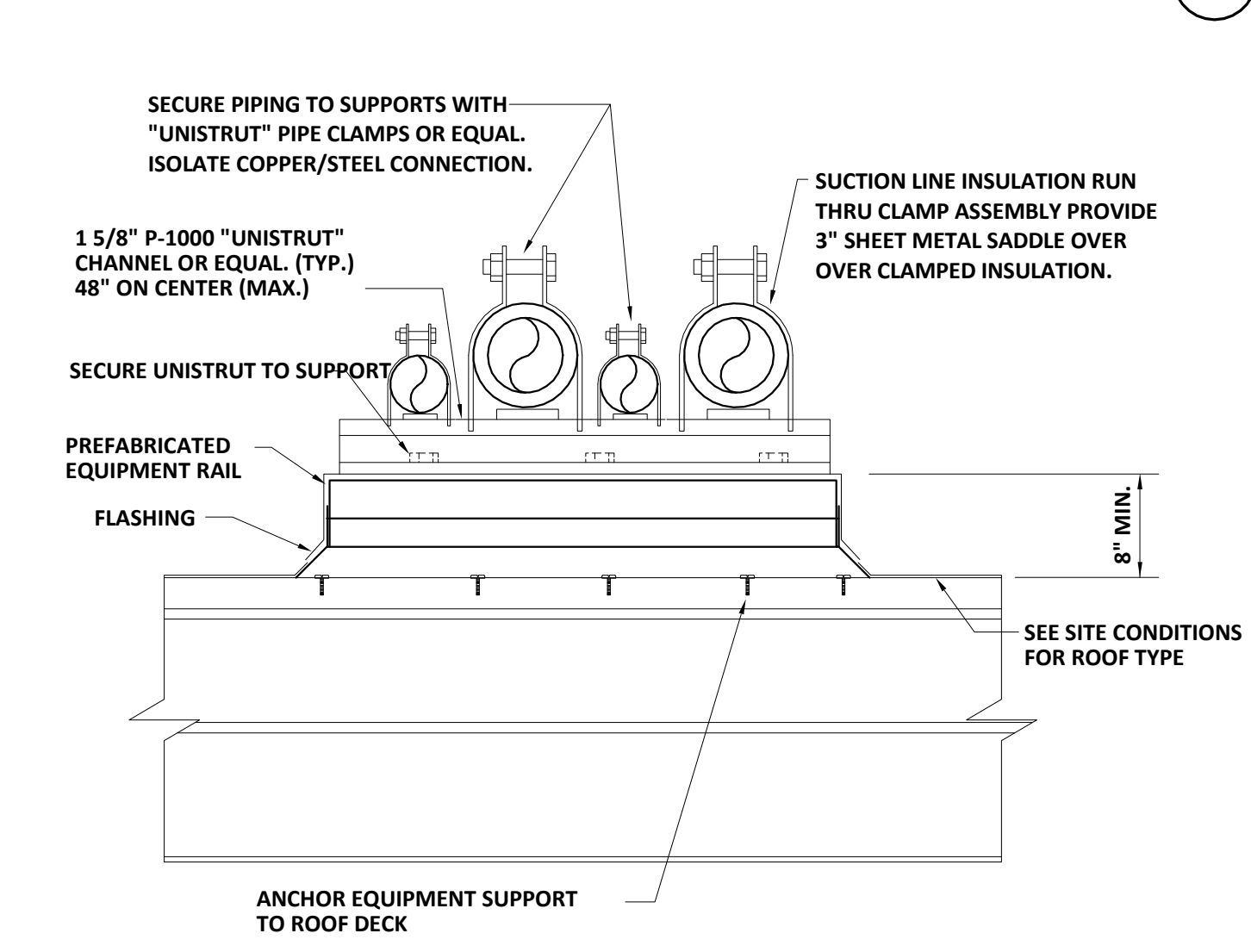
7 ROOF CURB DETAIL
M3-1 NOT TO SCALE



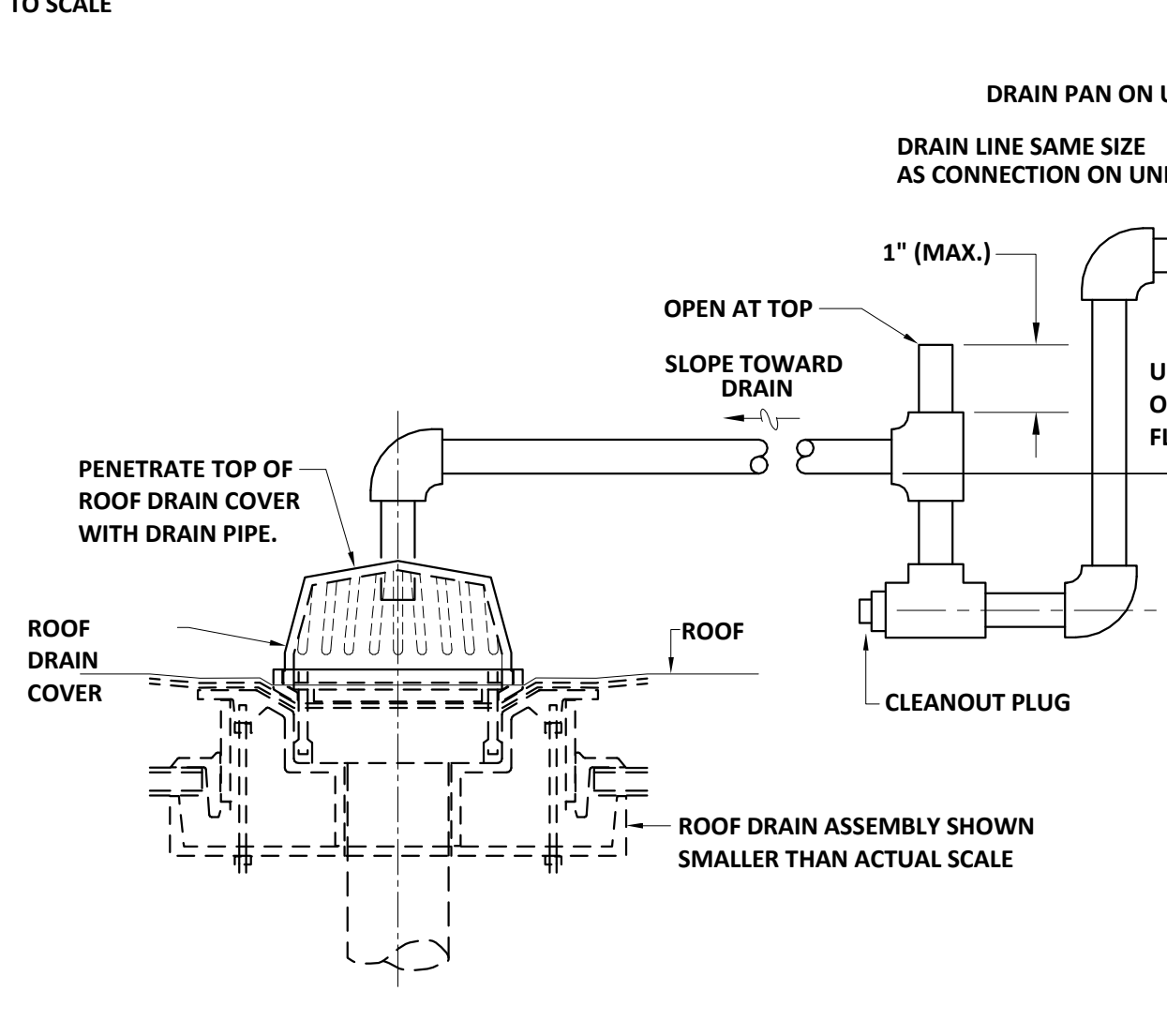
8 SECTION @ OUTDOOR UNIT ON ROOF
M3-1 NOT TO SCALE



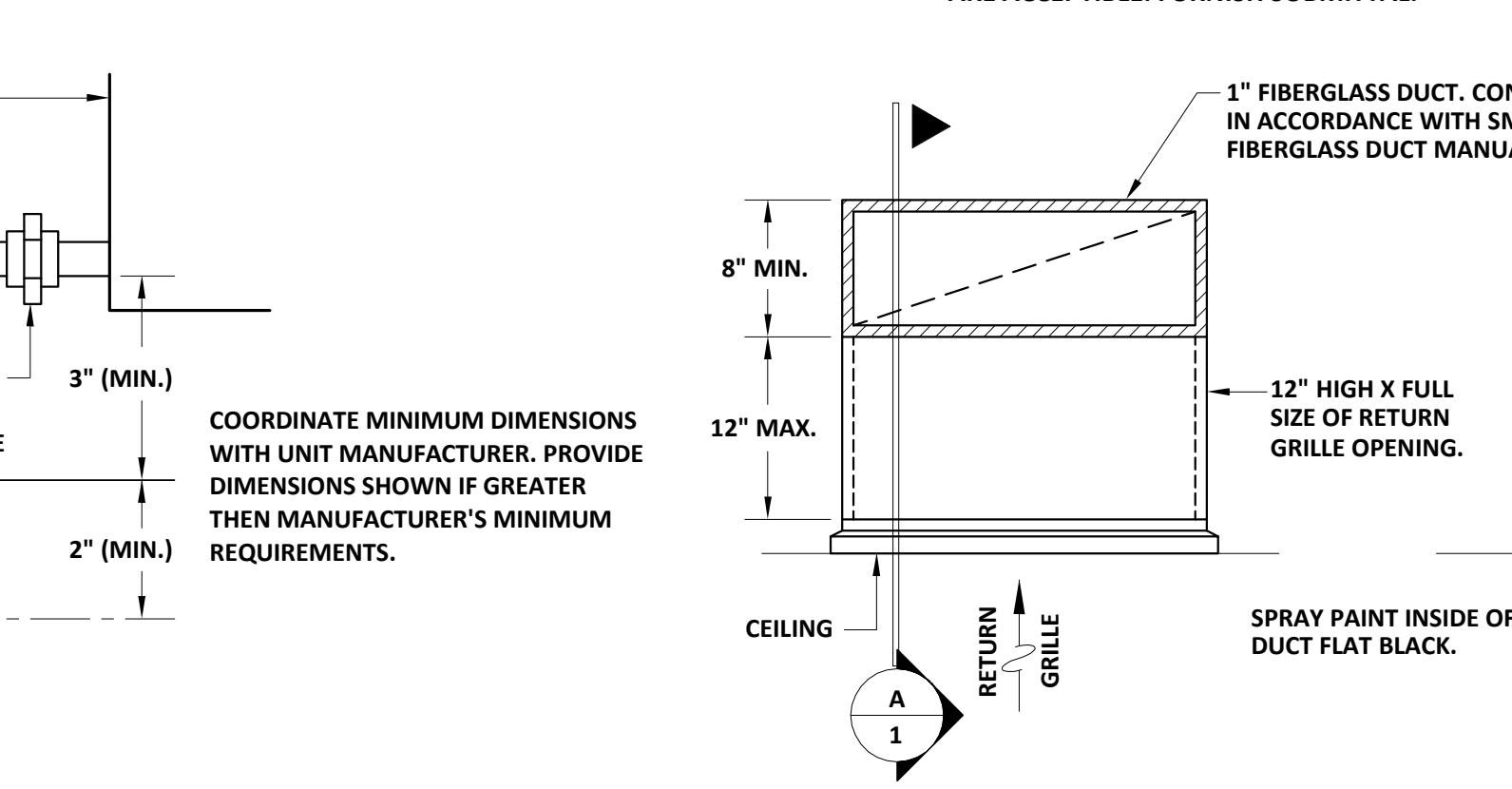
9 PIPE HANGER SADDLE DETAIL
M3-2 NOT TO SCALE



10 PIPE SUPPORT ON ROOF DETAIL
M3-2 NOT TO SCALE



11 CONDENSATE DRAIN TRAP TO ROOF DRAIN DETAIL
M3-2 NOT TO SCALE



12 RETURN GRILLE SOUND TRAP DETAIL
M3-2 NOT TO SCALE

| -- INDOOR HEAT PUMP SCHEDULE -- | | | | | | |
|---------------------------------|------------|-------|----------------------|-------|-----------------|---------|
| ITEM | SUPPLY CFM | FAN W | COOLING CAP. MBH (1) | | TRANE MODEL NO. | REMARKS |
| | | | SENSIBLE | TOTAL | | |
| IHP-1 | 700 | 70 | 21.0 | 30.0 | TPKA0A030 | (2) |

- (1) RATINGS IN ACCORDANCE WITH APPROPRIATE A.H.R.I. STANDARD.
 (2) HIGH-WALL INDOOR AIR HANDLING UNIT. PROVIDE WITH WASHABLE FILTER, CONDENSATE PUMP, AND HARDWIRED WALL CONTROLLER.

| -- PACKAGED ROOFTOP UNIT SCHEDULE -- | | | | | | | | | |
|--------------------------------------|------------|--------------|--------|----------------------|------|-----------|--------|-----------------|---------|
| ITEM | SUPPLY CFM | ESP (IN. WG) | OA CFM | COOLING CAP. MBH (1) | SEER | AUX. HEAT | | TRANE MODEL NO. | REMARKS |
| | | | | | | KW | STAGES | | |
| SPAC-8 | 1900 | 1.0 | 360 | 59.5 | 14.0 | 12 | 2 | THC060 | (2) |
| SPAC-9 | 1900 | 1.0 | 360 | 59.5 | 14.0 | 12 | 2 | THC060 | (2) |
| SPAC-10 | 1900 | 1.0 | 360 | 59.5 | 14.0 | 12 | 2 | THC060 | (2) |
| SPAC-11 | 1900 | 1.0 | 360 | 59.5 | 14.0 | 12 | 2 | THC060 | (2) |

- (1) RATINGS IN ACCORDANCE WITH APPROPRIATE A.H.R.I. STANDARD.
 (2) ROOFTOP PACKAGED ELECTRIC/ELECTRIC UNIT WITH HOT GAS REHEAT DEHUMIDIFICATION, COMPARATIVE ENTHALPY ECONOMIZER, BAROMETRIC RELIEF, MERV-8 PLEATED FILTER, UN-POWERED CONVENIENCE OUTLET, BIPOLAR IONIZATION UNIT, ELECTRICAL DISCONNECT MEANS, AND BACNET INTERFACE.

| -- FAN SCHEDULE -- | | | | | | | | |
|--------------------|------------|-----|--------------|-------|-----|------------|---------------------|---------|
| ITEM | LOCATION | CFM | ESP (IN. WG) | WATTS | RPM | MAX. SONES | GREENHECK MODEL NO. | REMARKS |
| F-1 | ELECTRICAL | 400 | 0.15 | 285 | 720 | 3.0 | SP-A710 | (1)(2) |

- (1) COMPLETE WITH BACKDRAFT DAMPER, HANGING BRACKETS, METAL CEILING GRILLE, SPEED CONTROLLER, AND DISCONNECT MEANS.
 (2) CONTROL WITH THERMOSTAT SET AT 85° (ADJ.).

| -- AIR DISTRIBUTION SCHEDULE -- | | | | | | |
|---------------------------------|------------------------|---------------------|--------------------------------|-----|------------------------|--------------------------------------|
| MARK | TYPE | NECK CONNECTION (1) | FINISH | OBD | PRICE NO. UNLESS NOTED | REMARKS (2) |
| A 6 | CEILING DIFFUSER | 6"ø | MANUFACTURER'S STANDARD FINISH | NO | SCD-4C | 24 X 24 PANEL (3) |
| A 8 | CEILING DIFFUSER | 8"ø | MANUFACTURER'S STANDARD FINISH | NO | SCD-4C | 24 X 24 PANEL (3) |
| A 10 | CEILING DIFFUSER | 10"ø | MANUFACTURER'S STANDARD FINISH | NO | SCD-4C | 24 X 24 PANEL (3) |
| A 12 | CEILING DIFFUSER | 12"ø | MANUFACTURER'S STANDARD FINISH | NO | SCD-4C | 24 X 24 PANEL (3) |
| A 14 | CEILING DIFFUSER | 14"ø | MANUFACTURER'S STANDARD FINISH | NO | SCD-4C | 24 X 24 PANEL (3) |
| B 6 | CEILING DIFFUSER | 6"ø | MANUFACTURER'S STANDARD FINISH | NO | SCD | 12 X 12 PANEL (3) |
| B 8 | CEILING DIFFUSER | 8"ø | MANUFACTURER'S STANDARD FINISH | NO | SCD | 12 X 12 PANEL (3) |
| C | CEILING RETURN/EXHAUST | 10" X 10" | MANUFACTURER'S STANDARD FINISH | NO | 80 | 12 X 12 PANEL WITH BORDER FRAME |
| D | CEILING RETURN/EXHAUST | 22" X 22" | MANUFACTURER'S STANDARD FINISH | NO | 80 | 24 X 24 PANEL WITH BORDER FRAME |
| E | SUPPLY REGISTER | SEE PLANS | MANUFACTURER'S STANDARD FINISH | YES | S20D | DOUBLE DEFLECTION 3/4" BLADE SPACING |
| F | RETURN GRILLE | SEE PLANS | MANUFACTURER'S STANDARD FINISH | NO | S35 | 45° DEFLECTION 1/2" BLADE SPACING |
| H | CEILING PLENUM RETURN | 22" X 22" | MANUFACTURER'S STANDARD FINISH | NO | 80 | 24 X 24 PANEL WITH BORDER FRAME (4) |
| J | SUPPLY SLOT DIFFUSER | 10"ø | MANUFACTURER'S STANDARD FINISH | NO | AS225 | (5) |
| K | SUPPLY SLOT DIFFUSER | 8"ø | MANUFACTURER'S STANDARD FINISH | NO | JS215 | (6) |
| L | SUPPLY SLOT DIFFUSER | 8"ø | MANUFACTURER'S STANDARD FINISH | NO | AS220 | (7) |

- (1) DUCT RUNOUT SIZE SAME AS NECK CONNECTION SIZE, UNLESS NOTED OTHERWISE.
 (2) PROVIDE LAY-IN TYPE FOR T-BAR CEILINGS AND SURFACE TYPE FOR ALL OTHER CEILINGS. REFER TO ARCHITECTURAL FINISH SCHEDULE FOR CEILING TYPES.
 (3) PROVIDE WITH REMOVABLE CORE (RC) AND MOLDED, INSULATED BACKPAN WITH FOIL SKRIM VAPOR BARRIER.
 (4) PROVIDE WITH MANUFACTURER'S SOUND BOOT OR CONSTRUCT SOUND BOOT AS SHOWN ON DETAIL.
 (5) 2' LENGTH, 1-SLOT, 2.5" WIDE SLOT, ADJUSTABLE AIR PATTERN SLOT DIFFUSER. PROVIDE WITH ENGINEERED PLENUM.
 (6) 4' LENGTH, 1-SLOT, 1.5" WIDE SLOT, VERTICAL AIR PATTERN SLOT DIFFUSER. PROVIDE WITH ENGINEERED PLENUM.
 (7) 2' LENGTH, 1-SLOT, 2" WIDE SLOT, ADJUSTABLE AIR PATTERN SLOT DIFFUSER. PROVIDE WITH ENGINEERED PLENUM.

| -- OUTDOOR HEAT PUMP SCHEDULE -- | | | | |
|----------------------------------|----------------------|-----------|-----------------|---------|
| ITEM | COOLING CAP. MBH (1) | SEER2 (1) | TRANE MODEL NO. | REMARKS |
| OHP-1 | 30.0 | 20.0 | TRUYA030 | (2)(3) |

- (1) RATINGS IN ACCORDANCE WITH APPROPRIATE A.H.R.I. STANDARD.
 (2) PROVIDE AND CONFIGURE FOR LOW-AMBIENT COOLING TO 0°F.
 (3) COOLING ONLY CONDENSING UNIT.

| -- REFRIGERANT PIPE SCHEDULE -- | | | | |
|---------------------------------|--------------|-----------------------|----------------------|---------|
| INDOOR UNIT | OUTDOOR UNIT | SUCTION LINE OD (IN.) | LIQUID LINE OD (IN.) | REMARKS |
| IHP-1 | OHP-1 | 5/8 | 3/8 | (1) |

- (1) REFRIGERANT PIPE SIZES INDICATED ARE FOR ESTIMATING PURPOSES ONLY. EXACT SIZES AND ACCESSORIES REQUIRED SHALL BE DETERMINED BY EQUIPMENT MANUFACTURER FROM FIELD-OBTAINED DIMENSIONS.

| FMS INPUT/OUTPUT SUMMARY | OUTPUTS | | INPUTS | | | | SOFTWARE | | | | | | | NOTES | | |
|--------------------------|--------------------------------------|-----------------------------|--|---|-----------------------|------------------------------|-----------------------|-------------------------------|-------------------|--------------------|-------------------|--------------------|--------------------|-------|------------|---------------------|
| | BINARY | ANALOG | BINARY | ANALOG | ALARM | DDC | ENERGY MGMT. | | | | | | | | | |
| | START/STOP ENABLE/DISABLE OPEN/CLOSE | SETPOINT ADJUST DDC CONTROL | DIFF. PRESSURE SWITCH AUX. CONTACT ALARM CONTACT PULSE CONTACT | TEMPERATURE RELATIVE HUMIDITY CONCENTRATION (PPM) | PRESSURE VOLUME (CFM) | STATUS/INTERLOCK HI/LO LIMIT | RUN TIME TOTALIZATION | PROPORTIONAL PROP. + INTEGRAL | TIME SCHEDULE S/S | OPTIMUM START/STOP | DAY/NIGHT SETBACK | DEMAND LIMIT/CYCLE | RESET OPTIMIZATION | | ECONOMIZER | FAN SYNCHRONIZATION |
| ROOM TEMPERATURE | | | | X | | | | | | | | | | | | |
| ROOM TEMP SETPOINT | | | | X | | | | | | | | | | | | |
| ROOM HUMIDITY | | | | X | | | | | | | | | | | | |
| SUPPLY FAN | X | | | | | | | | | | | | | | | |
| COOLING STAGE 1 | X | | | | | | | | | | | | | | | |
| COOLING STAGE 2 | X | | | | | | | | | | | | | | | |
| HEAT STAGE 1 | X | | | | | | | | | | | | | | | |
| HEAT STAGE 2 | X | | | | | | | | | | | | | | | |
| ECONOMIZER DAMPERS | | X | | | | | | | | | | | | | | |
| O.A. TEMP. | | | | X | | | | | | | | | | | | |
| REVERSING VALVE (DEHUM) | X | | | | | | | | | | | | | | | |

| FMS INPUT/OUTPUT SUMMARY | OUTPUTS | | INPUTS | | | | SOFTWARE | | | | | | | NOTES | | |
|-------------------------------|--------------------------------------|-----------------------------|--|---|-----------------------|------------------------------|-----------------------|-------------------------------|-------------------|--------------------|-------------------|--------------------|--------------------|-------|------------|---------------------|
| | BINARY | ANALOG | BINARY | ANALOG | ALARM | DDC | ENERGY MGMT. | | | | | | | | | |
| | START/STOP ENABLE/DISABLE OPEN/CLOSE | SETPOINT ADJUST DDC CONTROL | DIFF. PRESSURE SWITCH AUX. CONTACT ALARM CONTACT PULSE CONTACT | TEMPERATURE RELATIVE HUMIDITY CONCENTRATION (PPM) | PRESSURE VOLUME (CFM) | STATUS/INTERLOCK HI/LO LIMIT | RUN TIME TOTALIZATION | PROPORTIONAL PROP. + INTEGRAL | TIME SCHEDULE S/S | OPTIMUM START/STOP | DAY/NIGHT SETBACK | DEMAND LIMIT/CYCLE | RESET OPTIMIZATION | | ECONOMIZER | FAN SYNCHRONIZATION |
| TYPICAL DUCTLESS SPLIT SYSTEM | | | | X | | | | | | | | | | | | |
| ROOM TEMPERATURE | | | | X | | | | | | | | | | | | (1) |

- (1) TEMPERATURE POINT FOR INFORMATION ONLY. CONTROL SHALL BE BY THERMOSTAT FURNISHED BY UNIT MANUFACTURER.

| -- VAV TERMINAL UNIT SCHEDULE -- | | | | | | | | |
|----------------------------------|-------------------|----------|------------------|----------------------------|---------------|--------|-----------------|-------------|
| ITEM | PRIMARY AIR VALVE | | | AIR VALVE NECK CONN. (IN.) | ELECTRIC HEAT | | TRANE MODEL NO. | REMARKS (2) |
| | DESIGN CFM | MIN. CFM | APD (IN. WG) (1) | | KW | STAGES | | |
| T6-4 | 1250 | 375 | 0.30 | 10 | 5.0 | 2 | VCEF | (3) |
| T6-10 | 260 | 85 | 0.30 | 5 | 1.0 | 2 | VCEF | (3) |
| T6-11 | 510 | 175 | 0.30 | 8 | 2.0 | 2 | VCEF | (3) |
| T6-12 | 120 | 85 | 0.30 | 5 | 1.0 | 2 | VCEF | (3) |
| T7-3 | 375 | 300 | 0.30 | 6 | 3.0 | 2 | VCEF | (3) |
| T7-4 | 800 | 300 | 0.30 | 8 | 3.5 | 2 | VCEF | (3) |

- (1) MAX. IN. WG @ DESIGN CFM.
 (2) DUCT RUNOUTS SHALL BE NECKSIZE UNLESS INDICATED OTHERWISE.
 (3) PROVIDE WITH DISCONNECT SWITCH AND 75 VA TRANSFORMER FOR CONTROL BY FMS CONTRACTOR.

HVAC NOTES:

- INSTALL PIPING AND DUCTWORK IN EQUIPMENT ROOMS ADJACENT TO WALLS AND CEILINGS WHERE POSSIBLE TO PROVIDE MAXIMUM ROOM CLEARANCE.
- COORDINATE THE INSTALLATION OF WORK UNDER THIS DIVISION WITH THAT OF OTHER TRADES TO PROVIDE THE BEST ARRANGEMENT OF PIPING, DUCTWORK, AND EQUIPMENT.
- PIPING, DUCTWORK, AND EQUIPMENT IS SHOWN IN ITS GENERAL LOCATION UNLESS DIMENSIONED.
- ARRANGE PIPING AND DUCTWORK TO CLEAR STRUCTURAL MEMBERS, PIPING AND LIGHT FIXTURES.
- EXACT LOCATION OF GRILLES AND CEILING OUTLETS SHALL BE DETERMINED ON THE JOBSITE. COORDINATE WITH LIGHTS, SPRINKLER HEADS, AND OTHER CEILING APPURTENANCES TO PROVIDE A DETAILS.
- ALL PIPING SHALL BE CONCEALED, UNLESS NOTED OTHERWISE.
- PROVIDE FLEXIBLE DUCT CONNECTIONS TO ALL AIR HANDLING EQUIPMENT.
- PROVIDE ACCESS DOORS IN DUCTWORK FOR ALL FIRE AND SMOKE DAMPERS, DUCT-MOUNTED COILS, AND CONTROL DEVICES.
- SLOPE DRAIN LINES TOWARD DRAIN WITH A MINIMUM SLOPE OF 1/4" PER FOOT. SEE DRAWING E-602 FOR MECHANICAL EQUIPMENT VOLTAGES AND DISCONNECT MEANS
- CONFIGURATION. SUBMIT MECHANICAL/ELECTRICAL COORDINATION LETTER PER SPECIFICATION 230000.

| H.V.A.C. LEGEND | |
|-----------------|--|
| SYMBOL | DESCRIPTION |
| | THERMOSTAT 4"-6" A.F. |
| | WALL SWITCH |
| | REFRIGERANT SUCTION / LIQUID |
| | CONDENSATE DRAIN |
| | CONTROL PANEL |
| | A.D. ACCESS DOOR |
| | FD FIRE DAMPER |
| | CRD CEILING RADIATION DAMPER |
| | F/SD FIRE / SMOKE DAMPER |
| | SD SMOKE DAMPER |
| | OBD OPPOSED BLADE DAMPER |
| | BDD BACKDRAFT DAMPER |
| | DM DAMPER MOTOR (ACTUATOR) |
| | 1 M-1 DETAIL NO. 1/M-1 SHEET NO. |
| | SUPPLY DIFFUSER |
| | RETURN OR EXHAUST GRILLE |
| | or MVD MANUAL VOLUME DAMPER |
| | M MOTOR OPERATED DAMPER |
| | FLEXIBLE DUCT CONNECTION |
| | LINED DUCT (SIZE SHOWN IS METAL SIZE) |
| | AIR EXTRACTOR |
| | SQUARE ELL WITH SINGLE THICK TURNING VANES |
| | A 8 AIR DEVICE NECK CONNECTION SIZE |
| | A.F. ABOVE FLOOR |
| | RET. RETURN (AIR - DUCT) |
| | CONN. CONNECTION |
| | EXH. EXHAUST |
| | ø DIAMETER |
| | TYP. TYPICAL |
| | D.D.C. DIRECT DIGITAL CONTROLLER |
| | RATED PARTITION, SEE ARCH. |
| | NOM. NOMINAL |
| | EAT ENTERING AIR TEMPERATURE |
| | LAT LEAVING AIR TEMPERATURE |
| | ESP EXTERNAL STATIC PRESSURE |
| | DB DRY BULB |
| | HP HORSEPOWER |
| | MBH THOUSAND BTU'S PER HOUR |
| | REFRIG. REFRIGERANT |
| | EER ENERGY EFFICIENCY RATIO |
| | SEER SEASONAL ENERGY EFFICIENCY RATIO |
| | OA OUTSIDE AIR |

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AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED
 09/13/24 BID SET

MBH NO.: 0119700-231215.02
 DATE: 09/13/2024
 DESIGNED BY: DJM
 DRAWN BY: CMC
 CHECKED BY: DJM
 DO NOT SCALE DRAWINGS

SHEET CONTENTS
 HVAC SCHEDULES

SHEET NO.:

M-401



PLOT DATE: 09/12/24
 FILE NAME: 20113 MECH
 PLOT SCALE: 1 = 96
 CMC

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 AUGUSTA, GA 30901 (706) 722-8959

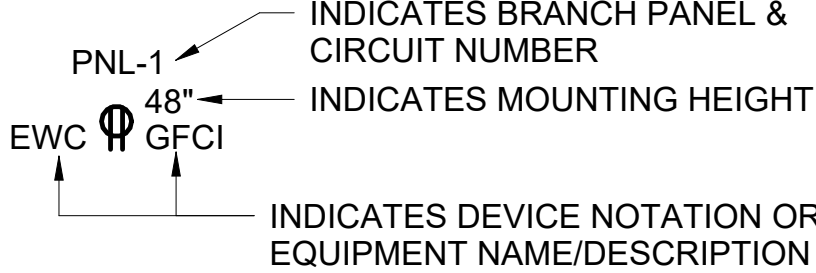
WIRING DEVICE SYMBOLS

- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE - ABOVE COUNTER
- DUPLEX RECEPTACLE - SPLIT WIRED
- DOUBLE DUPLEX RECEPTACLE
- SPECIFIC USE RECEPTACLE. NEMA CONFIGURATIONS NOTED ON DRAWINGS AND/OR SCHEDULE.
- DUPLEX RECEPTACLE - CEILING-MOUNT
- RECEPTACLE SHADING MODIFIER - OPTIONAL STANDBY (NEC 702)

RECEPTACLE NOTATIONS:

- D DEDICATED RECEPTACLE
- EWC ELECTRIC WATER COOLER RECEPTACLE
- GFCI GROUND FAULT INTERRUPTER RECEPTACLE
- H HORIZONTALLY-MOUNTED RECEPTACLE
- PL PLUG LOAD CONTROLLED RECEPTACLE
- WP WEATHER PROOF RECEPTACLE

DEVICE KEY:



SLASH MAY BE USED TO SEPARATE INFORMATION: i.e. 48"/GFCI

- FLOOR BOX
- DATA/POWER POLE
- CONTACTOR
- PUSH BUTTON

MOTOR CONTROL & PROTECTIVE DEVICE SYMBOLS

- ELECTRICAL CONNECTION TO EQUIPMENT AND MOTORS, SIZED PER NEC. COORDINATE REQUIREMENTS WITH CONTRACTOR FURNISHING MOTOR OR EQUIPMENT. REFER TO SPECIFICATIONS AND EQUIPMENT WIRING SCHEDULE FOR ADDITIONAL WORK ASSOCIATED WITH MOTOR OR EQUIPMENT.
- CONNECTION SHADING MODIFIER: LEGALLY REQUIRED STANDBY (NEC 701) AND OPTIONAL STANDBY (NEC 702)
- ENCLOSED CIRCUIT BREAKER
- COMBINATION MAGNETIC CONTROLLER - FULL VOLTAGE
- COMBINATION MAGNETIC CONTROLLER - MULTI-SPEED
- VARIABLE FREQUENCY MOTOR CONTROLLER
- DISCONNECT SWITCH - NON-FUSIBLE
- DISCONNECT SWITCH - FUSIBLE
- BUSS FUSESTAT TYPE SSY
- MANUAL MOTOR STARTER - W/ OVERLOAD RELAYS
- MANUAL MOTOR STARTER SWITCH

SERVICE & DISTRIBUTION SYMBOLS

- AUTOMATIC TRANSFER SWITCH
- EMERGENCY POWER OFF SWITCH, MUSHROOM HEAD PUSH BUTTON AT 48" AFF.
- B: BOILER SHUT-OFF NAMEPLATE
- G: GENERATOR SHUT-OFF NAMEPLATE
- GENERATOR ANNUNCIATOR PANEL
- MANUAL TRANSFER SWITCH
- SURGE PROTECTIVE DEVICE
- PANELBOARD
- PANELBOARD SHADING MODIFIER

GROUNDING & LIGHTNING PROTECTION SYMBOLS

- GROUND ACCESS WELL
- GROUND ROD
- LIGHTNING PROTECTION SYSTEM AIR TERMINAL
- EQUIPMENT GROUND BUS

ELECTRICAL ABBREVIATIONS

- 3R NEMA 3R RATING
- 4X NEMA 4X RATING
- A AMPERES
- A/E ARCHITECT / ENGINEER
- AAC ABOVE ACCESSIBLE CEILING
- ACCU AIR COOLED CONDENSING UNIT
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AHU AIR HANDLING UNIT
- ALT ALTERNATE
- APE AIRCRAFT PROCESS EQUIPMENT
- ATS AUTOMATIC TRANSFER SWITCH
- BLDG BUILDING
- BRKR BREAKER
- C CONDUIT
- CB CIRCUIT BREAKER
- CEB CONCRETE EQUIPMENT BASE
- CF CIRCULATION FAN
- CH CHILLER
- CHWP CHILLED WATER PUMP
- CKT CIRCUIT
- CP CIRCULATION PUMP
- CRAC COMPUTER ROOM AIR CONDITIONER
- CRP CONDENSATION RETURN
- CT COOLING TOWER
- CUH CABINET UNIT HEATER
- DC DROP CORD
- DDC DIGITAL CONTROL PANEL
- DH DUCT HEATER
- DISC DISCONNECT
- DO DOOR OPERATOR
- DWG DRAWING
- E/O ELECTRICAL-TO-OPTICAL CONVERTER
- ECB ENCLOSED CIRCUIT BREAKER
- EF EXHAUST FAN
- EM EMERGENCY
- EMT ELECTRICAL METALLIC TUBING
- ERL EXISTING TO BE RELOCATED
- ERLD EXISTING - RELOCATED LOCATION
- ES EQUIPMENT SUPPLIER
- ETR EXISTING TO REMAIN
- EWC ELECTRICAL WATER COOLER
- EWL ELECTRICAL WATER HEATER
- F FUSED
- FA FIRE ALARM
- FAF FORCED AIR FURNACE
- FCU FAN COIL UNIT
- GD GARBAGE DISPOSAL
- GFI GROUND FAULT INTERRUPTER
- GND GROUND
- GWH GAS WATER HEATER
- HD HAND DRYER
- HP HORSEPOWER
- HVAC HEATING, VENTILATION, AIR CONDITIONING
- HWB HOT WATER BOILER
- HWP HOT WATER PUMP
- IEWH INSTANTANEOUS ELECTRIC WATER HEATER
- IH INFRARED HEATER
- IMC INTERMEDIATE METALLIC CONDUIT
- IWH INSTANTANEOUS WATER HEATER
- J-BOX JUNCTION BOX
- LBS POUNDS

LINE TYPE KEY

- NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)
- EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK DASHED LINE)
- EXISTING TO REMAIN WORK (THIN SOLID LINE)
- NEW WORK UNDER FLOOR BY THIS CONTRACTOR
- ONE-LINE EQUIPMENT ENCLOSURE
- PANEL DIVISION LINES

RACEWAY SYMBOLS

- JUNCTION BOX - CEILING MOUNTED
- JUNCTION BOX - WALL MOUNTED

ELECTRICAL ABBREVIATIONS

- LFS LIGHTING FIXTURE SCHEDULE
- MAU MAKE-UP AIR UNIT
- MAX MAXIMUM
- MCC MOTOR CONTROL CENTER
- MDF MAIN DISTRIBUTION FRAME
- MDP MAIN DISTRIBUTION PANEL
- MIN. MINIMUM
- MNS MASS NOTIFICATION SYSTEM
- MTD MOUNTED
- MTG MOUNTING
- MTS MANUAL TRANSFER SWITCH
- NIC NOT IN CONTRACT
- NL NIGHT LIGHT
- NL/E NIGHT LIGHT AND EMERGENCY LIGHT
- NTS NOT TO SCALE
- OC ON CENTER
- OFCI OWNER FURNISHED, CONTRACTOR INSTALLED
- OFOI OWNER FURNISHED, OWNER INSTALLED
- PH PHASE
- PNL PANEL
- PVC POLYVINYL CHLORIDE
- RCP RADIANT CEILING PANEL
- RECPT RECEPTACLE
- REF REFRIGERATOR
- REQ'D REQUIRED
- RF RETURN FAN
- RGS RIGID GALVANIZED STEEL CONDUIT MAY ALSO BE REFERENCED AS RMC OR GRC
- RMC RIGID METAL CONDUIT
- RTU ROOF TOP UNIT
- S/N SOLID NEUTRAL
- SE SERVICE ENTRANCE
- SEC-P SECURITY PANEL
- SF SUPPLY FAN
- SP SUMP PUMP
- SS STAINLESS STEEL
- SW SWITCH
- SWBK SWITCH BANK
- TBR TO BE REMOVED
- TCP TEMPERATURE CONTROL PANEL
- TFA TO FLOOR ABOVE
- TFB TO FLOOR BELOW
- TYP TYPICAL
- UC UNIT COOLER
- UG UNDERGROUND
- UH UNIT HEATER
- UNO UNLESS NOTED OTHERWISE
- UV UNIT VENTILATER
- V VOLTS
- VER VEHICLE EXHAUST REEL
- VFD VARIABLE FREQUENCY DRIVE
- VS VERSUS
- W WATTS
- WCC WATER COOLED CONDENSER
- WFE WELDING FUME EXTRACTOR
- WH WATER HEATER
- WL WET LOCATION LISTED
- WP WEATHERPROOF
- XFMR TRANSFORMER
- XP EXPLOSION PROOF

CONTRACTOR ABBREVIATIONS

- AVC AUDIO/VISUAL CONTRACTOR
- CC CIVIL CONTRACTOR
- EC ELECTRICAL CONTRACTOR
- FPC FIRE PROTECTION CONTRACTOR
- GC GENERAL CONTRACTOR
- HC HEATING CONTRACTOR
- MC MECHANICAL CONTRACTOR
- PC PLUMBING CONTRACTOR
- TC TECHNOLOGY CONTRACTOR
- TCC TEMPERATURE CONTROLS CONTRACTOR
- VC VENTILATION CONTRACTOR

GENERAL SYMBOLS

- #E-### DETAIL NUMBER / SHEET NUMBER
- KEYED NOTE: USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH
- LIGHTING CONTROL SEQUENCE OF OPERATIONS TAG: XXX REFERS TO CORRESPONDING SPACE TYPE IN THE LIGHTING CONTROL SEQUENCE OF OPERATIONS SCHEDULE.

GENERAL NOTES:

1. REFER TO THE G SERIES DRAWINGS FOR CODE ANALYSIS PLANS, INFORMATION AND NOTES.
2. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE DETAILS OF WORK, VERIFY DIMENSIONS IN THE FIELD, AND ADVISE THE ENGINEER OF ANY DISCREPANCY BEFORE PERFORMING ANY WORK.
3. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES) AND ABA (ARCHITECTURAL BARRIERS ACT).
4. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATED WALLS AND FLOORS. MAKE RATED PENETRATIONS AS REQUIRED. SEAL ALL RATED PENETRATIONS. REFER TO DIV. 07 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
5. FLUSH-MOUNT ALL LIGHTING CONTROL DEVICES AT 42" FROM FINISHED FLOOR TO CENTERLINE OF DEVICE, EXCEPT WHERE OTHERWISE NOTED.
6. FLUSH-MOUNT ALL RECEPTACLES AT 18" FROM FINISHED FLOOR TO CENTERLINE OF DEVICE, EXCEPT WHERE OTHERWISE NOTED.
7. MOUNT ALL FIRE ALARM PULL STATIONS AT 42" FROM FINISHED FLOOR TO CENTERLINE OF DEVICE, EXCEPT WHERE OTHERWISE NOTED.
8. MOUNT ALL WALL-MOUNTED FIRE ALARM NOTIFICATION DEVICES AT 90" ABOVE FINISHED FLOOR OR 6" BELOW CEILING, WHICHEVER IS LOWER, EXCEPT WHERE OTHERWISE NOTED. HEIGHT IS MEASURED TO TOP OF DEVICE.
9. CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL SCHEDULES PROVIDED. BALANCE THE LOAD ON PANELS AS EVENLY AS POSSIBLE BETWEEN EACH PHASE. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS.
10. CIRCUITS SERVING EMERGENCY AND EXIT LUMINAIRES SHALL BE RUN IN SEPARATE RACEWAY FROM ALL OTHER CIRCUITS.
11. A #12 GREEN INSULATED GROUND CONDUCTOR SHALL BE INSTALLED WITH CIRCUIT CONDUCTORS TO ALL RECEPTACLES.
12. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS, AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE. WHERE RACEWAY IS REQUIRED ON EXISTING CONCRETE AND MASONRY WALLS, SURFACE RACEWAY MAY BE USED IN LIEU OF CHANNELING WALLS TO ALLOW CONCEALED ROUTING. THE RACEWAY SHALL BE SINGLE CHANNEL STYLE TYPE WITH IVORY FINISH. THIS APPLIES FOR BRANCH CIRCUIT CONDUITS UP TO 3/4" SIZE. CONDUITS LARGER THAN 3/4" MAY BE ROUTED EXPOSED, BUT INSTALLED PARALLEL AND/OR PERPENDICULAR TO BUILDING LINES AND RUN AS UNOBTRUSIVELY AS POSSIBLE.
13. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
14. COORDINATE AND CO-LOCATE WALL MOUNTED RECEPTACLE LOCATIONS WITH TECHNOLOGY (VOICE/DATA, CATV, FIDS, ETC.) OUTLETS SHOWN ON THE T-SERIES DRAWINGS UNLESS OTHERWISE NOTED. EACH TECHNOLOGY OUTLET SHALL BE LOCATED WITHIN 24" OF ITS ASSOCIATED RECEPTACLE. ASSOCIATED RECEPTACLE SHALL BE DEFINED AS THE RECEPTACLE NEAREST THE LOCATION OF, AND AT THE SAME HEIGHT AS, THE TECHNOLOGY OUTLET WHEN MULTIPLE RECEPTACLES ARE SHOWN ON A WALL.
15. DUPLEX RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) SHALL BE CONCEALED BEHIND WATER COOLER ACCESS PLATE OR BE DIRECTLY BELOW AND CENTERED ON EWC. VERIFY TYPE OF EWC TO BE INSTALLED.
16. COORDINATE THE LOCATION OF ALL DETECTORS WITH LUMINAIRES, SPRINKLERS, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE.
17. VERIFY ALL FURNITURE, MODULAR FURNITURE AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS AND REVIEWED SHOP DRAWINGS. PRIOR TO ELECTRICAL INSTALLATION ADJUST RECEPTACLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
18. ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF, OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TECHNOLOGY EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
19. PROVIDE SUITABLE MECHANICAL PROTECTION AROUND ALL CONDUITS STUBBED OUT FROM FLOORS, WALLS, OR CEILINGS DURING CONSTRUCTION TO PREVENT BENDING OR DAMAGING OF STUB OUTS DUE TO CARELESSNESS WITH CONSTRUCTION EQUIPMENT.
20. ALL OPENINGS IN WALLS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
21. REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
22. ALL INTERLOCKING REQUIRED BY THE DRIVE MANUFACTURER BETWEEN THE VARIABLE FREQUENCY DRIVE AND THE DISCONNECT SWITCHES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
23. SCCR RATINGS LISTED FOR EQUIPMENT ARE MINIMUM REQUIREMENTS FOR BUS BRACING AND DEVICE RATING. ALL EQUIPMENT SHALL BE FULLY RATED UNLESS SPECIFICALLY NOTED AS SERIES RATED.

DEMOLITION GENERAL NOTES:

1. THE INFORMATION SHOWN IS BASED ON EXISTING DRAWINGS AND SITE OBSERVATIONS TO ASSIST CONTRACTOR IN BIDDING. THE ELECTRICAL DRAWINGS INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS. REFER TO SPECIFICATION SECTION 26 05 02 FOR ADDITIONAL REQUIREMENTS.
2. DASHED WALLS ON THE FLOOR PLANS INDICATE EXISTING WALLS BEING DEMOLISHED. REFER TO THE ARCHITECTURAL DEMOLITION PLANS FOR THE EXACT EXTENT OF WORK REQUIRED BY THIS PROJECT. REMOVE ALL DEVICES ON DASHED WALLS NOT SHOWN ON THE CONTRACT DRAWINGS. REFER TO DEMOLITION DRAWINGS OF OTHER TRADES, WHERE MOTORS, CONTROL PANELS, AND OTHER LOADS OR APPARATUS THAT HAVE ELECTRICAL CONNECTIONS ARE BEING REMOVED, INCLUDE DISCONNECTION AND REMOVAL OF ALL ASSOCIATED CONDUIT, WIRING, ETC.
3. ELECTRICAL ITEMS (i.e., LIGHTING FIXTURES, PANELBOARDS, DISCONNECTS, MOTOR CONTROLLERS, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER IN A STORAGE AREA TO BE DESIGNATED BY THE OWNER. EQUIPMENT BEING REMOVED SHALL BE HANDLED SO AS NOT TO FURTHER REDUCE ITS VALUE TO THE OWNER. DISPOSE OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN FOR MAINTENANCE PURPOSES.
4. WHERE LIGHTS, SWITCHES, RECEPTACLES, ETC., ARE BEING REMOVED, ALL ASSOCIATED CONDUIT AND WIRE BACK TO THE PANELBOARD OR FEEDER JUNCTION BOX SERVING THE DEVICE SHALL ALSO BE REMOVED, UNLESS THE CONDUIT CAN BE REUSED FOR NEW CONDUCTORS. DISPOSE OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN FOR MAINTENANCE PURPOSES.
5. ALL BOXES THAT ARE TO REMAIN IN PLACE IN EXISTING MASONRY WALLS SHALL BE PROVIDED WITH A BLANK COVERPLATE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH TYPE AND ATTACHMENT.
6. REMOVE ALL CONDUIT WHERE WALLS ARE BEING REMOVED. WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC., SHALL ALSO BE REMOVED. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.
7. COORDINATE ALL WORK, INCLUDING PHASING WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING ELECTRICAL AND INSTALLING NEW ITEMS.
8. EXISTING CONDUIT IN GOOD CONDITION MAY BE REUSED IN PLACE. RELOCATED EXISTING CONDUIT SHALL NOT BE ALLOWED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.
9. MAINTAIN CIRCUIT CONTINUITY OF DEVICES LOCATED OUTSIDE OF CONSTRUCTION AREA. DEVICE AND EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
10. BALLASTS MANUFACTURED PRIOR TO 1980 CONTAIN PCBs AND SHALL BE DISPOSED OF IN ACCORDANCE WITH SPECIFICATIONS.
11. HID AND FLUORESCENT LAMPS CONTAIN MERCURY AND SHALL BE DISPOSED OF IN ACCORDANCE WITH SPECIFICATIONS.
12. REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
13. PROVIDE REVISED, TYPED CIRCUIT DIRECTORY IN PANELBOARDS THAT HAVE CIRCUITS REMOVED OR ADDED CIRCUITS.
14. REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT RACEWAY FLUSH WITH WALLS AND FLOORS AND PATCH SURFACES TO MATCH EXISTING. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC. ASSOCIATED WITH RACEWAY REMOVAL.
15. DISCONNECT AND REMOVE ABANDONED LUMINAIRES, INCLUDING BRACKETS, STEMS, HANGERS, AND OTHER ACCESSORIES.
16. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.



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DATE: 09/13/2024

DESIGNED BY: RJV

DRAWN BY: RJV

CHECKED BY: JRH

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SHEET CONTENTS
NOTES, SYMBOLS &
ABBREVIATIONS

SHEET NO.:

E-001

ONE-LINE SYMBOLS

| | |
|--|--|
| | AUTOMATIC THROW OVER |
| | AUTOMATIC TRANSFER SWITCH |
| | CIRCUIT BREAKER |
| | CIRCUIT BREAKER - DRAWOUT |
| | CIRCUIT BREAKER - GROUND FAULT |
| | CONTACT - NORMALLY CLOSED |
| | CONTACT - NORMALLY OPEN |
| | CURRENT TRANSFORMER (#) DENOTES QUANTITY |
| | DIGITAL POWER METER |
| | EARTH GROUND |
| | EMERGENCY POWER OFF |
| | FUSE |
| | DISCONNECT SWITCH - FUSED |
| | DISCONNECT SWITCH - NON-FUSED |
| | GENERATOR |
| | GENERATOR TERMINATION CABINET |
| | KEY INTERLOCK |
| | LIGHTNING ARRESTOR |
| | LOAD BREAK ELBOW |
| | METER |
| | METER - DRAWOUT |
| | MULTI-FUNCTION PROTECTIVE RELAY |
| | PANEL |
| | SURGE PROTECTIVE DEVICE |
| | TRANSFORMER |
| | UNINTERRUPTIBLE POWER SUPPLY (UPS) |
| | UTILITY CONNECTION |

FIRE ALARM SYMBOLS

| | |
|--|---|
| | FIRE ALARM CONTROL PANEL |
| | FIRE ALARM ANNUCIATOR PANEL |
| | FIRE ALARM PULL STATION |
| | FIRE ALARM HORN |
| | FIRE ALARM SPEAKER |
| | FIRE ALARM HORN/STROBE, (##) IS CANDELA RATING |
| | FIRE ALARM SPEAKER/STROBE, (##) IS CANDELA RATING |
| | SUPERVISED FIRE ALARM HORN LOUDSPEAKER |
| | FIRE ALARM STROBE, (##) IS CANDELA RATING |
| | INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR |
| | INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR FOR SMOKE DAMPER CONTROL |
| | INTELLIGENT 135°F FIXED & RATE OF RISE HEAT DETECTOR (15°F/M), (20°F/M), UNLESS NOTED ON DRAWINGS |
| | INTELLIGENT PHOTOELECTRIC DUCT SMOKE DETECTOR |
| | CARBON MONOXIDE DETECTOR |
| | CEILING MOUNTED FIRE ALARM STROBE, (##) IS CANDELA RATING |
| | CEILING MOUNTED FIRE ALARM SPEAKER/STROBE, (##) IS CANDELA RATING |
| | CEILING MOUNTED FIRE ALARM SPEAKER |
| | CEILING MOUNTED FIRE ALARM HORN/STROBE, (##) IS CANDELA RATING |
| | CEILING MOUNTED FIRE ALARM HORN |
| | MONITOR MODULE |
| | CONTROL MODULE |
| | FIRE ALARM NOTIFICATION APPLIANCE EXTENDER PANEL |
| | MAGNETIC DOOR HOLDER |
| | ELECTRIC DOOR STRIKE |
| | PRESSURE SWITCH |
| | REMOTE TEST SWITCH WITH INDICATOR |

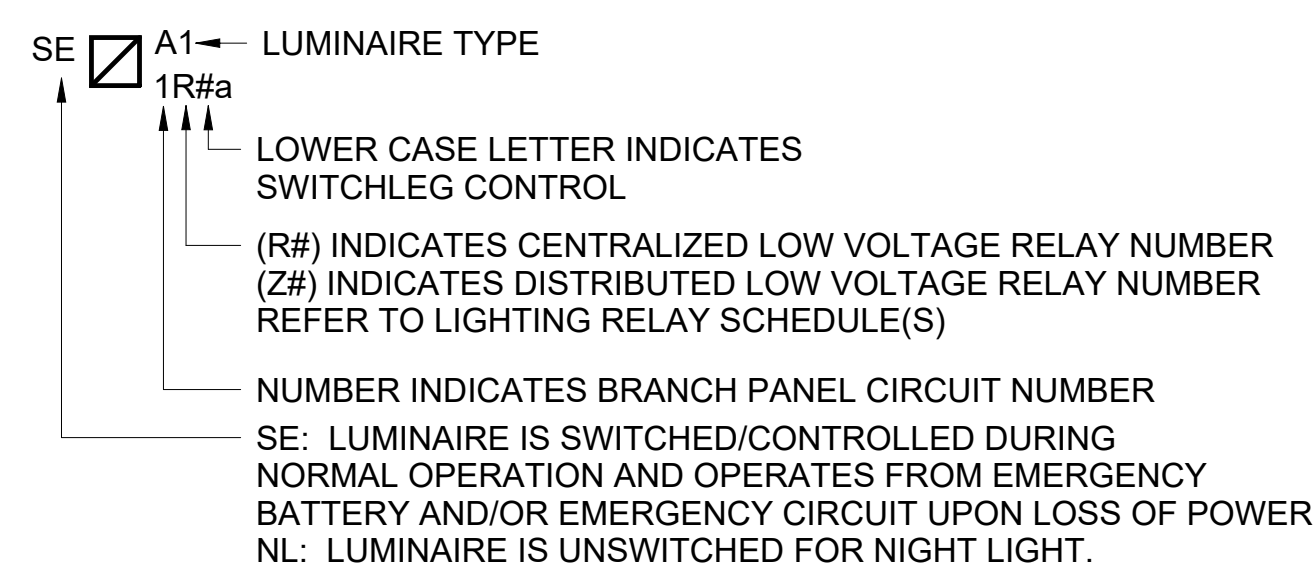
MASS NOTIFICATION SYMBOLS

| | |
|--|---|
| | FIRE & MASS NOTIFICATION CONTROL PANEL |
| | MASS NOTIFICATION SPEAKER/STROBE, WALL MOUNTED (#) IS CANDELA RATING |
| | MASS NOTIFICATION SPEAKER, WALL MOUNTED |
| | MASS NOTIFICATION STROBE, WALL MOUNTED |
| | MASS NOTIFICATION SPEAKER/STROBE, CEILING MOUNTED (#) IS CANDELA RATING |
| | MASS NOTIFICATION SPEAKER, CEILING MOUNTED |
| | MASS NOTIFICATION STROBE, CEILING MOUNTED |

LUMINAIRE SYMBOLS

| | |
|--|--|
| | RECESSED LUMINAIRE |
| | RECESSED TROFFER |
| | RECESSED LINEAR |
| | SURFACE ROUND LUMINAIRE |
| | SURFACE SQUARE LUMINAIRE |
| | SURFACE LINEAR/INDUSTRIAL LUMINAIRE |
| | PENDANT ROUND LUMINAIRE |
| | PENDANT LINEAR/INDUSTRIAL LUMINAIRE |
| | WALL SURFACE LUMINAIRE |
| | WALL RECESSED LUMINAIRE |
| | WALL SURFACE LINEAR |
| | WALL RECESSED LINEAR |
| | CEILING MOUNTED EXIT SIGN |
| | WALL MOUNTED EXIT SIGN |
| | WALL MOUNTED COMBINATION EXIT SIGN/EBU |
| | ARROW EXIT SIGN CHEVRON |
| | EMERGENCY BATTERY UNIT |
| | RECESSED EMERGENCY BATTERING UNIT |
| | EMERGENCY (NEC 700) SHADING MODIFIER |
| | LEGALLY REQUIRED STANDBY (NEC 701) AND OPTIONAL STANDBY (NEC 702) SHADING MODIFIER |

LUMINAIRE CIRCUITRY & CONTROL KEY:



LUMINAIRE CONTROL SYMBOLS

| | |
|--|--|
| | OCCUPANCY SENSOR CEILING MOUNT |
| | OCCUPANCY SENSOR CORNER (WALL/CEILING) MOUNT |
| | DAYLIGHT SENSOR |
| | PHOTOCELL |
| | LIGHTING CONTACTOR |
| | UL 924 LISTED EMERGENCY LIGHTING CONTROL UNIT. REFER TO SPECIFICATIONS 260923. |
| | REMOTE POWER SUPPLY OR DRIVER |
| | DIMMER CONTROL STATION; MODULAR DIMMING CONTROL |
| | DIGITAL CONTROL STATION |
| | LINE VOLTAGE SWITCH (NO NOTATION INDICATES SINGLE POLE) |

LUMINAIRE CONTROL NOTATIONS:

| | |
|-----|-------------------------------------|
| a,b | LOWER CASE LETTERS DENOTE SWITCHLEG |
| 3 | 3-WAY CONTROL |
| 4 | 4-WAY CONTROL |
| D | DIMMING CONTROL |
| E | EMERGENCY |
| F | FAN SPEED CONTROL |
| K | KEY SWITCH CONTROL |
| M | MOMENTARY CONTACT CONTROL |
| OS | OCCUPANCY SENSOR |
| OSD | DIMMING OCCUPANCY SENSOR |
| PB | PUSH BUTTON CONTROL |
| T | TIMER CONTROL |
| WL | WET LOCATION CONTROL |

FIRE ALARM GENERAL NOTES:

- REFER TO THE G SERIES DRAWINGS FOR CODE ANALYSIS PLANS, INFORMATION AND NOTES.
- PROVIDE A COMPLETE FIRE ALARM SYSTEM WITH NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS, COMPLETELY COORDINATED WITH OTHER DISCIPLINES. WORK SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL CODES, ORDINANCES, AUTHORITY HAVING JURISDICTION REQUIREMENTS, AND THESE CONTRACT DOCUMENTS (INCLUDING, BUT NOT LIMITED TO NFPA 70, NFPA 72, AND NFPA 90A.
- EXPAND EXISTING SYSTEM TO PROVIDE COVERAGE IN THE WORK AREAS. THE CONTRACTOR SHALL COORDINATE INTERRUPTION OF SERVICE TO EXISTING SYSTEMS WITH THE OWNER. PROVIDE WRITTEN NOTICE OF INTERRUPTION OF SERVICE TO THE OWNER AT LEAST THREE BUSINESS DAYS PRIOR TO THE PLANNED INTERRUPTION.
- COMPONENTS AND ASSEMBLIES SHALL BE UL LISTED OR FM APPROVED FOR THEIR INTENDED APPLICATION.
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO CONVEY OVERALL SYSTEM ARRANGEMENT AS IT PERTAINS TO THE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING A COMPLETE FIRE ALARM SYSTEM AS INDICATED IN THE DESIGN DOCUMENTS AND THE REFERENCED STANDARDS.
- ADDITIONAL DEVICES AND PARTS BEYOND WHAT IS SHOWN ON THESE PLANS MAY BE REQUIRED. CONTRACTOR SHALL NOT USE THESE PLANS FOR DEVICE COUNTS.
- COORDINATE WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL TRADES. PROVIDE ALL OFFSETS TO AVOID INTERFERENCE WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, OR STRUCTURAL MEMBERS. SEE HVAC PLANS FOR SMOKE DAMPER LOCATIONS.
- FIRE ALARM CABLES AND WIRING SHALL BE INSTALLED WITHIN METAL RACEWAYS. RACEWAYS SHALL BE CONCEALED WITHIN FINISHED AREAS. RACEWAYS SHALL BE PARALLEL OR PERPENDICULAR TO BUILDING STRUCTURAL ELEMENTS. JUNCTION BOXES SHALL BE PROVIDED AND CONDUCTORS SHALL BE IDENTIFIED AT EACH JUNCTION BOX, PULL BOX, ETC. WITH APPROPRIATE INFORMATION (E.G. PANEL NUMBER, CIRCUIT NUMBER, ETC.). CONNECTIONS SHALL BE MADE WITH TERMINAL CONTACTS. WIRE NUTS SHALL NOT BE PERMITTED.
- MOUNT ALL FIRE ALARM PULL STATIONS AT 42" FROM FINISHED FLOOR TO CENTERLINE OF DEVICE, EXCEPT WHERE OTHERWISE NOTED.
- MOUNT ALL WALL-MOUNTED FIRE ALARM NOTIFICATION DEVICES AT 90" ABOVE FINISHED FLOOR OR 6" BELOW CEILING, WHICHEVER IS LOWER, EXCEPT WHERE OTHERWISE NOTED. HEIGHT IS MEASURED TO TOP OF DEVICE.

FIRE ALARM DEMOLITION GENERAL NOTES:

- THE INFORMATION SHOWN IS BASED ON EXISTING DRAWINGS AND SITE OBSERVATIONS TO ASSIST CONTRACTOR IN BIDDING. THE FIRE ALARM DRAWINGS INDICATE EXISTING FIRE ALARM ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS. REFER TO SPECIFICATION SECTION 26 05 02 FOR ADDITIONAL REQUIREMENTS.
- DASHED WALLS ON THE FLOOR PLANS INDICATE EXISTING WALLS BEING DEMOLISHED. REFER TO THE ARCHITECTURAL DEMOLITION PLANS FOR THE EXACT EXTENT OF WORK REQUIRED BY THIS PROJECT. REMOVE ALL DEVICES ON DASHED WALLS NOT SHOWN ON THE CONTRACT DRAWINGS.
- FIRE ALARM ITEMS REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER, IN A STORAGE AREA TO BE DESIGNATED BY THE OWNER. EQUIPMENT BEING REMOVED SHALL BE HANDLED SO AS NOT TO FURTHER REDUCE ITS VALUE TO THE OWNER. THE CONTRACTOR SHALL DISPOSE OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN FOR MAINTENANCE PURPOSES.
- WHERE FIRE ALARM DEVICES ARE BEING REMOVED, ALL ASSOCIATED CONDUIT AND WIRE BACK TO THE FIRE ALARM PANEL OR JUNCTION BOX SERVING THE DEVICE SHALL ALSO BE REMOVED, UNLESS THE CONDUIT CAN BE REUSED FOR NEW FIRE ALARM CABLING. THE CONTRACTOR SHALL DISPOSE OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN FOR MAINTENANCE PURPOSES.
- ALL BOXES THAT REMAIN IN PLACE IN EXISTING MASONRY WALLS THAT ARE TO REMAIN SHALL BE PROVIDED WITH A BLANK COVERPLATE.
- ALL CONDUIT SHALL BE REMOVED WHERE WALLS ARE BEING REMOVED. WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC., SHALL ALSO BE REMOVED. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.
- THIS CONTRACTOR SHALL COORDINATE ALL WORK, INCLUDING PHASING WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING FIRE ALARM DEVICES AND INSTALLING NEW ITEMS.
- EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. RELOCATED EXISTING CONDUIT SHALL NOT BE ALLOWED.
- MAINTAIN OPERATION OF THE FIRE ALARM SYSTEM IN LOCATIONS OUTSIDE OF CONSTRUCTION AREA. DEVICE AND EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE TEMPORARY CONNECTIONS PRIOR TO THE FINAL CONFIGURATION. FIRE ALARM SYSTEM OUTAGES SHALL BE COORDINATED WITH THE OWNER IN WRITING AT LEAST THREE BUSINESS DAYS PRIOR TO THE PLANNED FIRE ALARM SYSTEM OUTAGE.
- CONTRACTOR SHALL REMOVE AND INSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF FIRE ALARM WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.

ELECTRICAL KEYED NOTES

- 9.001 FLOOR BOX TO REMAIN. REMOVE DEVICES AND WIRING BACK TO PANEL. FOR FLOOR BOXES ON THE SAME CIRCUIT(S) AS DEVICES OR EQUIPMENT TO REMAIN, SPLICE AND EXTEND WIRING TO MAINTAIN CONTINUITY. PROVIDE PERMANENT COVER SECURED WITH TAMPERPROOF SCREWS. COVER SHALL BE FLUSH, NON-OPERABLE, AND HAVE NO DEVICE CUTOUTS.
- 9.004 MAINTAIN EXISTING POWER WIRING, BACKBOXES AND CONTROLS WIRING. PREPARE TO INSTALL NEW FIXTURES WIRED TO EXISTING DEVICE BACKBOX. SEE E-121 FOR NEW FIXTURE REQUIREMENTS
- 9.201 INTERCEPT EXISTING LIGHTING BRANCH CIRCUIT AND CONTROLS FROM REMOVED PENDANT (SHEET ED121) AND EXTEND TO NEW FIXTURE. RE-USE EXISTING FIXTURE BACKBOX
- 9.202 INTERCEPT AND EXTEND WIRING FROM REMOVED PENDANT FOR POWER AND CONTROLS
- 9.203 INTERCEPT AND EXTEND WIRING AS REQUIRED TO MAINTAIN POWER AND CONTROL FUNCTIONALITY OF COVE LIGHTING INDICATED EXISTING TO REMAIN
- 9.204 MATCH FIXTURE MOUNTING HEIGHT WITH OTHER TYPE "T" EXISTING TO REMAIN FIXTURES
- 9.205 INSTALL LIGHT ON INTERIOR (SOUTH) SIDE NEAR TOP OF WALL. AIM FIXTURE AT DECORATIVE CEILING ABOVE. LIGHT FIXTURE SHALL BE CONTROLLED USING THE SAME CONTROL SCHEME AS CHECKPOINT EXPANSION AREA OF WORK, ROOM B156
- 9.206 COORDINATE FINAL LOCATION PRIOR TO ROUGH IN. PROVIDE LOCKABLE COVER ON CONTROL STATION.
- 9.208 PROVIDE QUANTITY OF PT DEVICES SHOWN, ONE PT DEVICE PER LIGHTING CONTROL SWITCH/LEG.
- 9.209 FURNISH FIXTURE WITH INTEGRAL GENERATOR TRANSFER DEVICE (GTD), FIELD LOCATE AND EXTEND UNSWITCHED HOT CONDUCTOR FROM FIXTURE CIRCUIT TO NORMAL SIDE OF GTD. ROUTE WIRING FROM INVERTER OUTPUT TO EMERGENCY SIDE OF GTD
- 9.210 FURNISH INVERTOR WITH FOUR (4) OUTPUT CIRCUIT BREAKERS. WIRE ALL EXIT SIGNS, TYPE X1, AND FIXTURE TYPE M2 GTD SHOWN ON E-121 THROUGH ONE OUTPUT BREAKER. ALL POWER TRANSFER DEVICES (PT) SHALL BE WIRED THROUGH AN OUTPUT BREAKER. TWO (2) OUTPUT BREAKERS SHALL BE DESIGNATED AS SPARE. ALL OUTPUT BREAKERS SHALL BE NORMALLY CLOSED
- 9.301 SEE FLOOR BOX DETAIL "G" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. PROVIDE WITH FLUSH ACTIVATIONS. VERIFY LOCATION WITH TSA PRIOR TO ROUGH IN. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM.
- 9.303 FRONT XRAY OUTLET, SEE FLOOR BOX DETAIL "A" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM
- 9.304 REAR XRAY OUTLET, SEE FLOOR BOX DETAIL "B" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM
- 9.305 AVS STATION, SEE FLOOR BOX DETAIL "C" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM

ELECTRICAL KEYED NOTES

- 9.306 PROVIDE FLUSH MOUNTED DEVICES AT 46" AFF. SEE DETAIL "E" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO ABOVE ACCESSIBLE CEILING, PROVIDE WITH BELL FITTING.
- 9.307 DURESS ALARM AND KRONOS CLOCK, PROVIDE FLUSH MOUNTED DEVICES AT 46" AFF. SEE DETAIL "F" ON E-501 FOR ELEVATION, RECEPTACLE QUANTITY AND BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO ABOVE ACCESSIBLE CEILING, PROVIDE WITH BELL FITTING.
- 9.308 FUTURE EQUIPMENT LOCATION. PROVIDE ALL UNDERGROUND RACEWAYS, FLOOR BOXES, DEVICES AS INDICATED. DO NOT PULL WIRES, ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH PULL STRINGS. RACEWAY FOR POWER SHALL BE ROUTED BACK TO NEW ELECTRICAL ROOM D110, PANEL EHMFL AND LABELED WITH IT'S FUTURE LOAD AND LOCATION.
- 9.309 REMOTE RESOLUTION WORKSTATION. SEE DETAIL "D" ON SHEET E-501 FOR ROUGH IN REQUIREMENTS, RECEPTACLE QUANTITY AND BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO ABOVE ACCESSIBLE CEILING, PROVIDE WITH BELL FITTING.
- 9.311 COORDINATE MOUNTING WITH DROP DOWN SCREEN, VERIFY LOCATION, HEIGHT AND DEVICE CONNECTION TYPE PRIOR TO ROUGH IN. PROVIDE WIRING AS REQUIRED FOR WALL MOUNTED CONTROL STATION FOR DROP DOWN SCREEN. COORDINATE SWITCH LOCATION WITH ARCHITECT PRIOR TO ROUGH IN
- 9.312 COORDINATE ROUGH IN LOCATION WITH LOW VOLTAGE CONTRACTOR, MOUNT RECEPTACLE ABOVE RACK ON STRUT TRAPEZE. PROVIDE NEMA L6-30R RECEPTACLE. CONFIRM PLUG CONFIGURATION AND AMPACITY PRIOR TO ROUGH IN
- 9.313 MOUNT DISCONNECT TO EQUIPMENT CURB OR UNIT ENCLOSURE. DO NOT PENETRATE UNIT ENCLOSURE IN FILTER OR DUCTED AREAS. SEAL ALL PENETRATIONS WITH UV RESISTANT, EXTERIOR RATED SILICONE. RECEPTACLE SHOWN ON SPAC UNITS FURNISHED BY VENDOR, WIRED BY EC
- 9.314 PROVIDE WIRING TO LINE VOLTAGE THERMOSTAT. SEE MECHANICAL DRAWINGS FOR LOCATION. THERMOSTAT FURNISHED BY MC, INSTALLED BY EC
- 9.315 PROVIDE DEVICE AND WIRING FOR LOAD INDICATED, FUTURE PROVISIONS ONLY, NO TSA EQUIPMENT TO BE INSTALLED FOR THE SCOPE OF THIS PROJECT
- 9.316 PROVIDE 600A, 600V, 4 P + GROUND BUSSED CONNECTION CABINET IN NEMA 3R PAD MOUNT ENCLOSURE. TAP SHALL NOT BE MADE ON A SINGLE SET OF CONDUCTORS. WORK RESULTING IN AN OUTAGE TO EXISTING LOADS FED FROM ATS-2 SHALL BE PREFORMED OUTSIDE AIRPORT WORKING HOURS, ASSUME 11:59 PM - 5:00 AM.
- 9.317 EXISTING UNDERGROUND ELECTRICAL UTILITIES IN THIS AREA UNKOWN. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD LOCATE AND PROTECT EXISTING FEEDERS OR BRANCH CIRCUITS. INTERCEPT AND EXTEND AS REQUIRED TO MAINTAIN EXISTING CONTINUITY
- 9.318 ALL FLOOR BOX RACEWAYS FOR POWER AND DATA SHALL BE ROUTED THROUGH EXISTING OPENING. LOW VOLTAGE CONDUITS SHALL BE ROUTED TO ABOVE ACCESSIBLE CEILING, PROVIDED WITH BELL FITTINGS. POWER CONDUITS SHALL BE ROUTED TO A JUNCTION BOX LOCATED ABOVE ACCESSIBLE CEILING AND EXTENDED TO RESPECTIVE PANELS
- 9.401 SET EXISTING DEVICE TO CANDELLA RATING SHOWN ON PLANS. IF NOT FIELD ADJUSTABLE, REPLACE WITH NEW NOTIFICATION APPLIANCE
- 9.402 INSTALL CONTROL MODULE ABOVE ACCESSIBLE CEILING. WIRE MODULE TO FLIP FLOW FIRE ALARM INTERFACE TO ALLOW FREE EXIT IN THE EVEN OF AN ALARM



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SHEET CONTENTS
KEYED NOTES

SHEET NO.:

E-003

DEMOLITION GENERAL NOTES:

1. ALL FIXTURES TO BE REMOVED SHALL INCLUDE BACKBOX. CONCEALED CONDUIT MAY BE ABANDONED. WIRING SHALL BE REMOVED UNLESS REQUIRED TO ACHIEVE CIRCUIT CONTINUITY. CONCEAL ALL SPLICES IN JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILING; EXPOSED OR FLUSH JUNCTION BOXES SHALL NOT BE PERMITTED IN FINISHED SPACES

KEYED NOTES

- 9.004 MAINTAIN EXISTING POWER WIRING, BACKBOXES AND CONTROLS WIRING, PREPARE TO INSTALL NEW FIXTURES WIRED TO EXISTING DEVICE BACKBOX. SEE E-121 FOR NEW FIXTURE REQUIREMENTS
- 9.203 INTERCEPT AND EXTEND WIRING AS REQUIRED TO MAINTAIN POWER AND CONTROL FUNCTIONALITY OF COVE LIGHTING INDICATED EXISTING TO REMAIN

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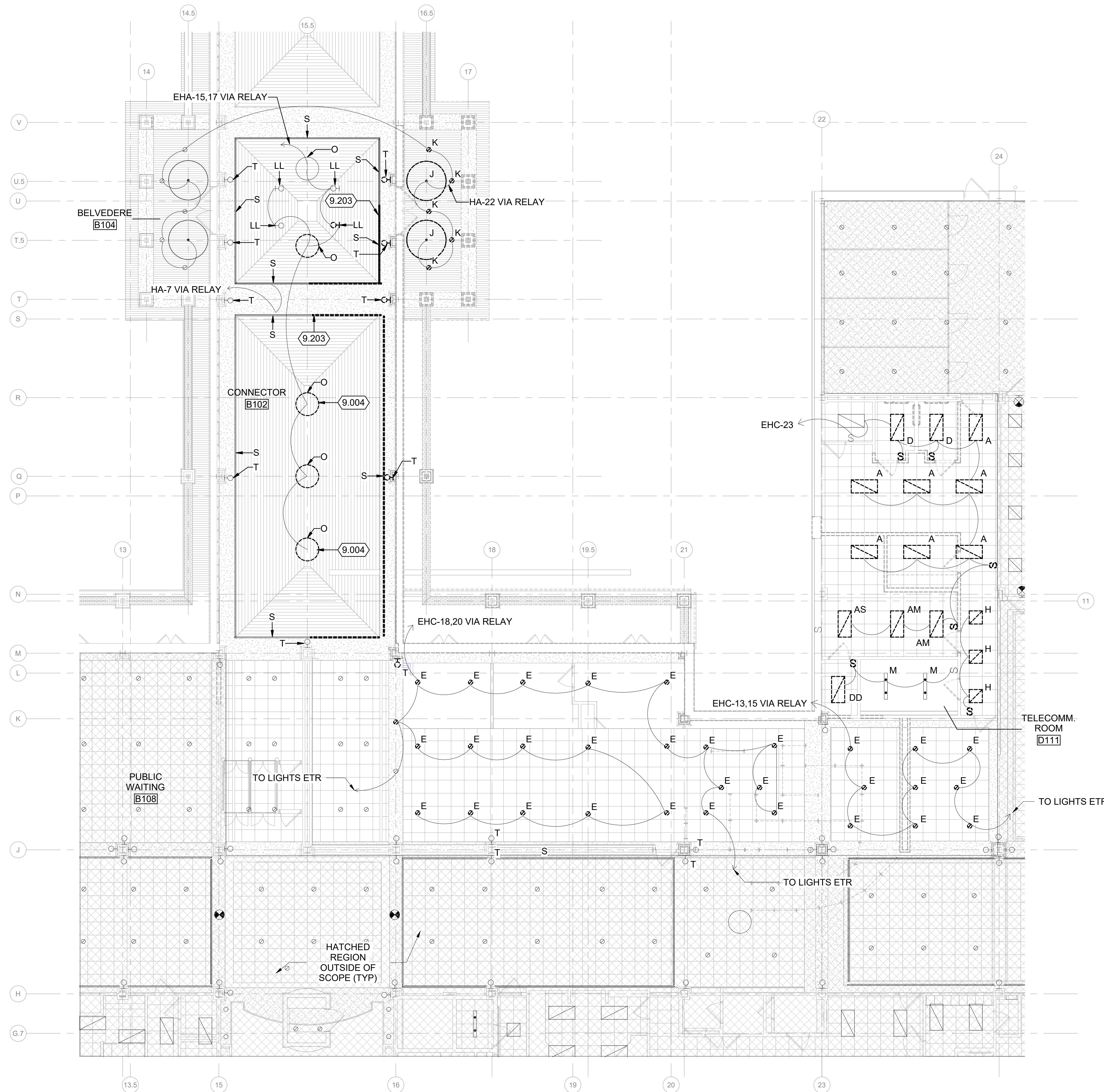
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DATE: 09/13/2024
DESIGNED BY: RJV
DRAWN BY: RJV
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SHEET CONTENTS
FIRST FLOOR
LIGHTING
DEMOLITION PLAN

SHEET NO.:

ED121



TRUE PLAN
NORTH NORTH



FIRST FLOOR LIGHTING DEMOLITION PLAN

1/8" = 1'-0"

DEMOLITION GENERAL NOTES:

1. PROVIDE TEMPORARY WIRING AS REQUIRED TO MAINTAIN FIRE ALARM SYSTEM OPERATION IN AREAS OF WORK OUTSIDE PROJECT AREA.
2. ALL DEVICES TO BE REMOVED SHALL INCLUDE BACKBOX. CONCEALED CONDUIT MAY BE ABANDONED. WIRING SHALL BE REMOVED UNLESS REQUIRED TO ACHIEVE CIRCUIT CONTINUITY. CONCEAL ALL SPLICES IN JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILING; EXPOSED OR FLUSH JUNCTION BOXES SHALL NOT BE PERMITTED IN FINISHED SPACES

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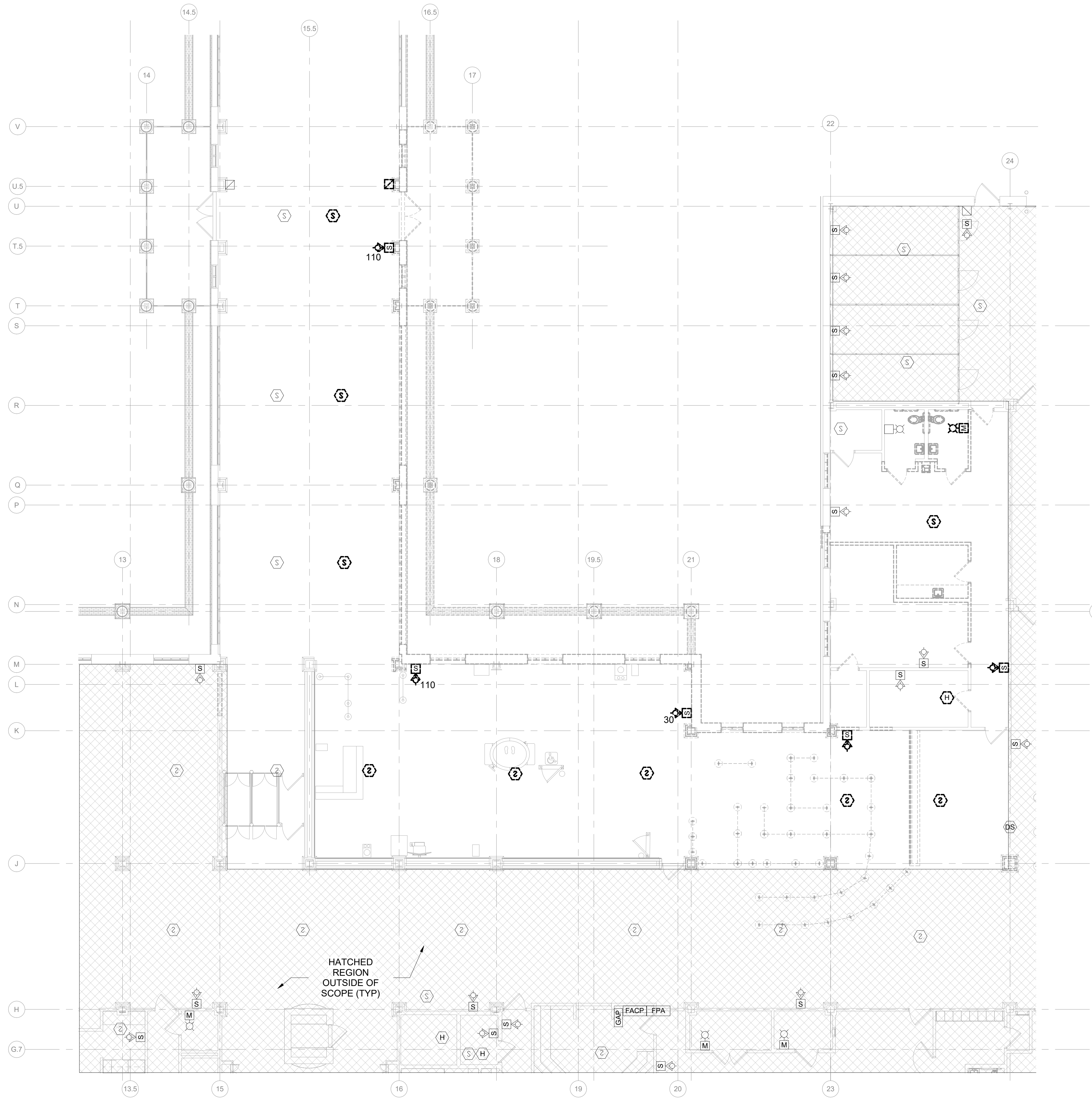
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SHEET CONTENTS
FIRST FLOOR FIRE ALARM DEMOLITION PLAN

SHEET NO.:

ED141



TRUE PLAN
NORTH NORTH
1 FIRST FLOOR FIRE ALARM DEMOLITION PLAN
1/8" = 1'-0"

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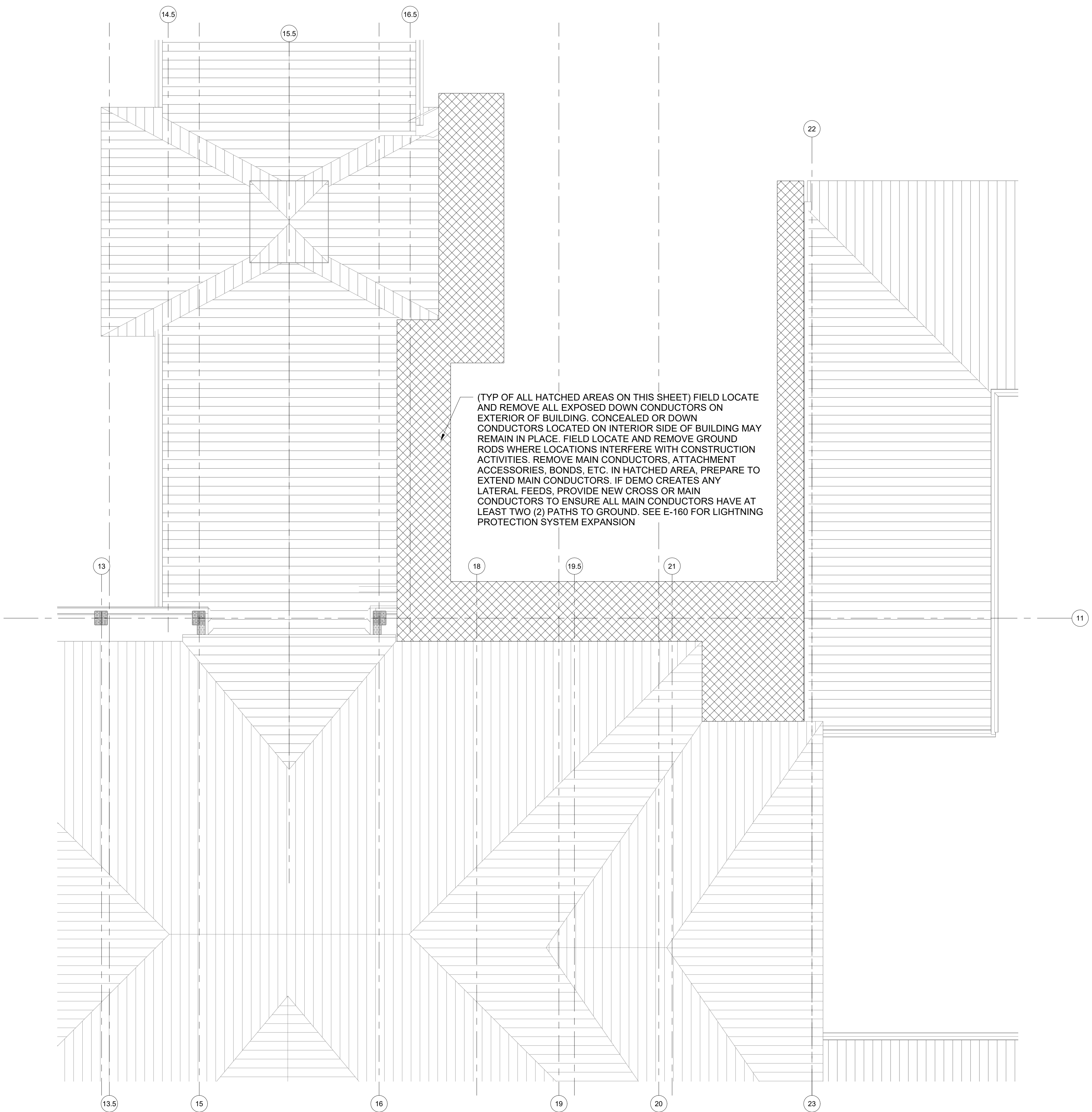
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SHEET CONTENTS
LIGHTNING
PROTECTION
DEMOLITION PLAN

SHEET NO.:

ED161



TRUE PLAN
NORTH NORTH
1 LIGHTNING PROTECTION DEMO PLAN
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEET E-001 FOR NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO E-500 SERIES DRAWINGS FOR DETAILS, E-600 SERIES DRAWINGS FOR SCHEDULES, AND E-701 FOR ONE-LINE DIAGRAMS.

SHEET NOTES:

1. FEEDERS INSTALLED UNDERGROUND SHALL BE TYPE XHHW INSULATION, INSTALLED IN SCHEDULE 80PVC. ALL ELBOWS SHALL BE RMC TYPE, TRANSITION TO RMC CONDUIT WITHIN 2'-0" OF TRANSITIONS BELOW GRADE TO ABOVE GRADE.
2. ALL DEVICES SHALL BE WIRED TO PANEL "MFL" UNLESS OTHERWISE NOTED

KEYED NOTES

- 9.317 EXISTING UNDERGROUND ELECTRICAL UTILITIES IN THIS AREA UNKNOWN. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD LOCATE AND PROTECT EXISTING FEEDERS OR BRANCH CIRCUITS. INTERCEPT AND EXTEND AS REQUIRED TO MAINTAIN EXISTING CONTINUITY
- 9.318 ALL FLOOR BOX RACEWAYS FOR POWER AND DATA SHALL BE ROUTED THROUGH EXISTING OPENING. LOW VOLTAGE CONDUITS SHALL BE ROUTED TO ABOVE ACCESSIBLE CEILING, PROVIDED WITH BELL FITTINGS. POWER CONDUITS SHALL BE ROUTED TO A JUNCTION BOX LOCATED ABOVE ACCESSIBLE CEILING AND EXTENDED TO RESPECTIVE PANELS

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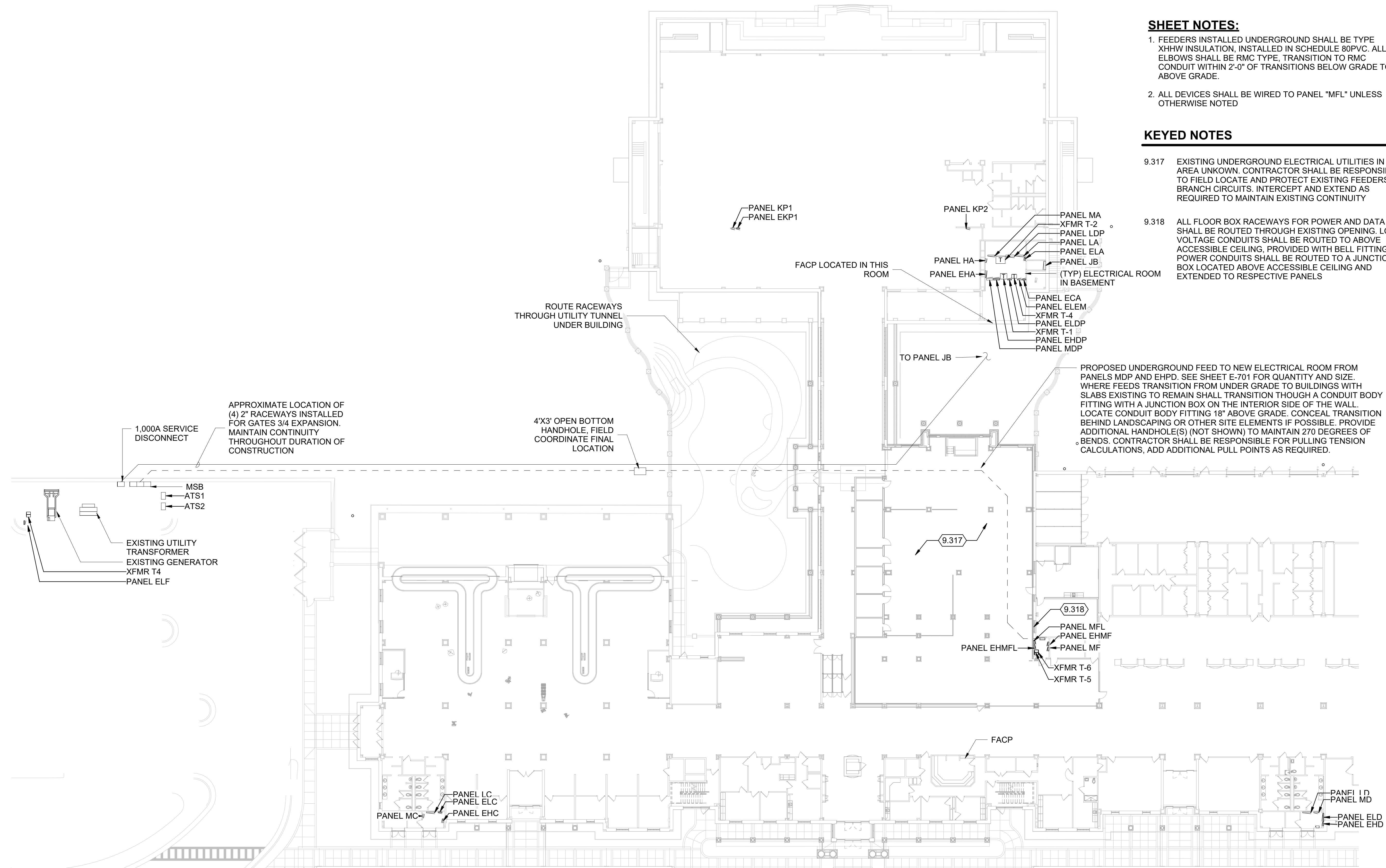
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SHEET CONTENTS
**POWER
DISTRIBUTION PLAN**

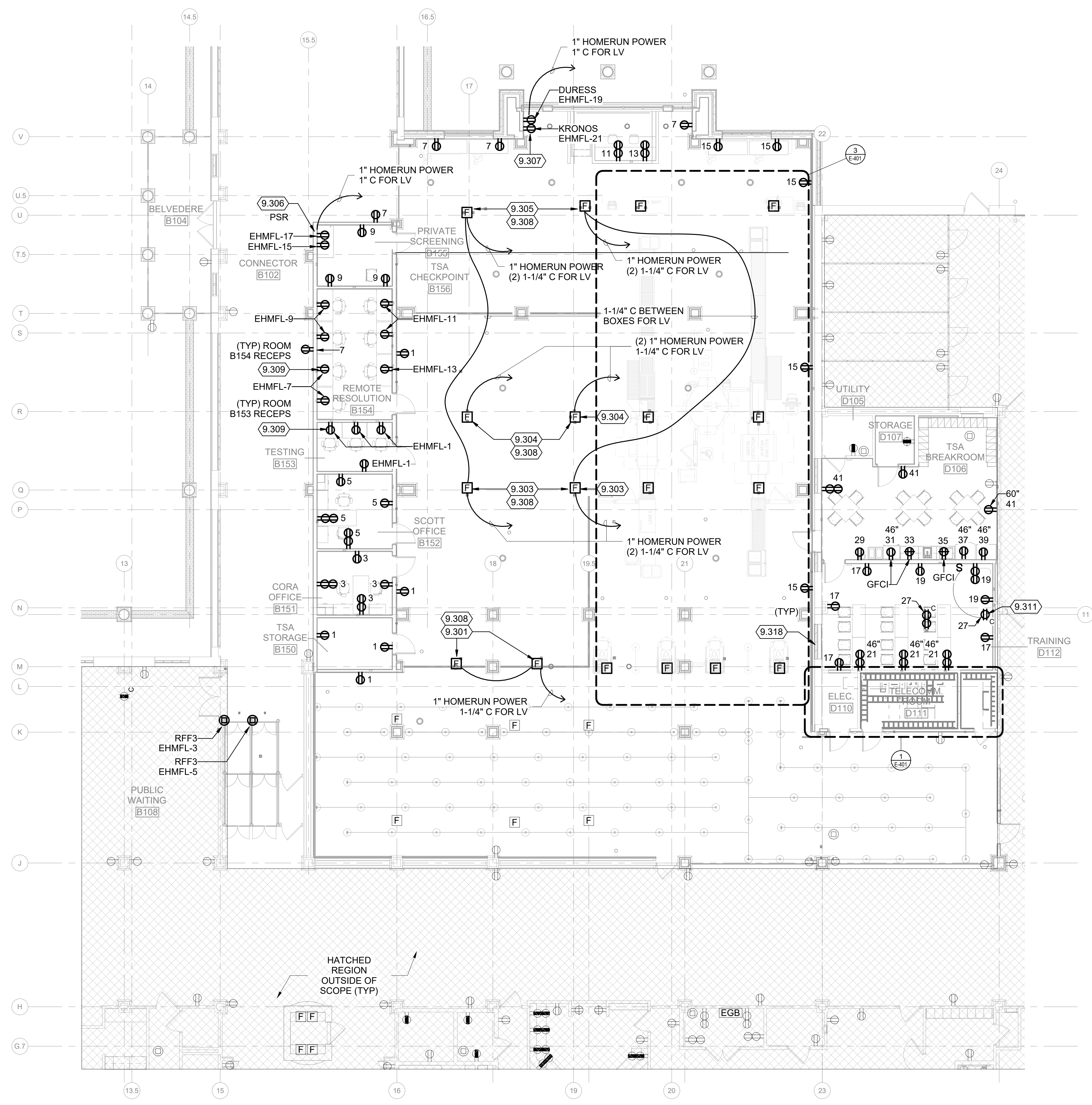
SHEET NO.:

E-050



TRUE PLAN
NORTH NORTH
1 POWER DISTRIBUTION PLAN
1" = 20'-0"

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GENERAL NOTES:

1. REFER TO SHEET E-001 FOR NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO E-500 SERIES DRAWINGS FOR DETAILS, E-600 SERIES DRAWINGS FOR SCHEDULES, AND E-701 FOR ONE-LINE DIAGRAMS.

SHEET NOTES:

1. FEEDERS INSTALLED UNDERGROUND SHALL BE TYPE XHHW INSULATION, INSTALLED IN SCHEDULE 80PVC. ALL ELBOWS SHALL BE RMC TYPE, TRANSITION TO RMC CONDUIT WITHIN 2'-0" OF TRANSITIONS BELOW GRADE TO ABOVE GRADE.
2. ALL DEVICES SHALL BE WIRED TO PANEL "MFL" UNLESS OTHERWISE NOTED

KEYED NOTES

- 9.301 SEE FLOOR BOX DETAIL "G" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. PROVIDE WITH FLUSH ACTIVATIONS. VERIFY LOCATION WITH TSA PRIOR TO ROUGH IN. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM.
- 9.303 FRONT XRAY OUTLET, SEE FLOOR BOX DETAIL "A" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM
- 9.304 REAR XRAY OUTLET, SEE FLOOR BOX DETAIL "B" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM
- 9.305 AVS STATION, SEE FLOOR BOX DETAIL "C" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM
- 9.306 PROVIDE FLUSH MOUNTED DEVICES AT 46" AFF. SEE DETAIL "E" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO ABOVE ACCESSIBLE CEILING, PROVIDE WITH BELL FITTING.
- 9.307 DURESS ALARM AND KRONOS CLOCK, PROVIDE FLUSH MOUNTED DEVICES AT 46" AFF. SEE DETAIL "F" ON E-501 FOR ELEVATION, RECEPTACLE QUANTITY AND BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO ABOVE ACCESSIBLE CEILING, PROVIDE WITH BELL FITTING.
- 9.308 FUTURE EQUIPMENT LOCATION. PROVIDE ALL UNDERGROUND RACEWAYS, FLOOR BOXES, DEVICES AS INDICATED. DO NOT PULL WIRES, ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH PULL STRINGS. RACEWAY FOR POWER SHALL BE ROUTED BACK TO NEW ELECTRICAL ROOM D110, PANEL EHMFL AND LABELED WITH IT'S FUTURE LOAD AND LOCATION.
- 9.309 REMOTE RESOLUTION WORKSTATION, SEE DETAIL "D" ON SHEET E-501 FOR ROUGH IN REQUIREMENTS, RECEPTACLE QUANTITY AND BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO ABOVE ACCESSIBLE CEILING, PROVIDE WITH BELL FITTING.
- 9.311 COORDINATE MOUNTING WITH DROP DOWN SCREEN, VERIFY LOCATION, HEIGHT AND DEVICE CONNECTION TYPE PRIOR TO ROUGH IN. PROVIDE WIRING AS REQUIRED FOR WALL MOUNTED CONTROL STATION FOR DROP DOWN SCREEN. COORDINATE SWITCH LOCATION WITH ARCHITECT PRIOR TO ROUGH IN
- 9.318 ALL FLOOR BOX RACEWAYS FOR POWER AND DATA SHALL BE ROUTED THROUGH EXISTING OPENING. LOW VOLTAGE CONDUITS SHALL BE ROUTED TO ABOVE ACCESSIBLE CEILING, PROVIDED WITH BELL FITTINGS. POWER CONDUITS SHALL BE ROUTED TO A JUNCTION BOX LOCATED ABOVE ACCESSIBLE CEILING AND EXTENDED TO RESPECTIVE PANELS

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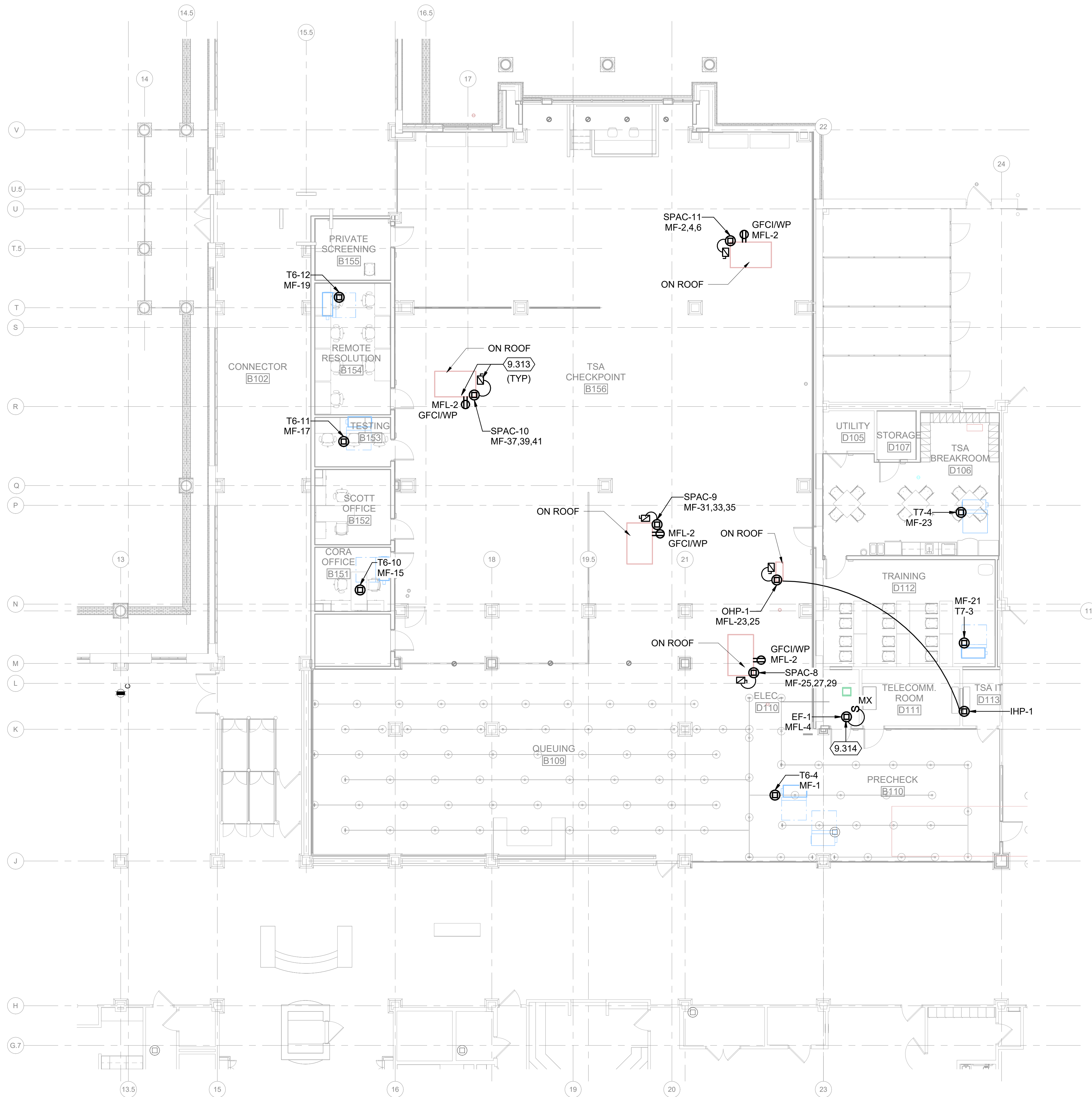
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SHEET CONTENTS
**FIRST FLOOR
 POWER PLAN**

SHEET NO.:

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TRUE PLAN
NORTH NORTH
FIRST FLOOR MECHANICAL EQUIPMENT POWER PLAN
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEET E-001 FOR NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO E-500 SERIES DRAWINGS FOR DETAILS, E-600 SERIES DRAWINGS FOR SCHEDULES, AND E-701 FOR ONE-LINE DIAGRAMS.

SHEET NOTES:

1. FEEDERS INSTALLED UNDERGROUND SHALL BE TYPE XHHW INSULATION, INSTALLED IN SCHEDULE 80PVC. ALL ELBOWS SHALL BE RMC TYPE, TRANSITION TO RMC CONDUIT WITHIN 2'-0" OF TRANSITIONS BELOW GRADE TO ABOVE GRADE.
2. ALL DEVICES SHALL BE WIRED TO PANEL "MFL" UNLESS OTHERWISE NOTED

KEYED NOTES

- 9.313 MOUNT DISCONNECT TO EQUIPMENT CURB OR UNIT ENCLOSURE. DO NOT PENETRATE UNIT ENCLOSURE IN FILTER OR DUCTED AREAS. SEAL ALL PENETRATIONS WITH UV RESISTANT, EXTERIOR RATED SILICONE. RECEPTACLE SHOWN ON SPAC UNITS FURNISHED BY VENDOR, WIRED BY EC
- 9.314 PROVIDE WIRING TO LINE VOLTAGE THERMOSTAT. SEE MECHANICAL DRAWINGS FOR LOCATION. THERMOSTAT FURNISHED BY MC, INSTALLED BY EC

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SHEET CONTENTS
FIRST FLOOR
POWER PLAN

SHEET NO:

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GENERAL NOTES:

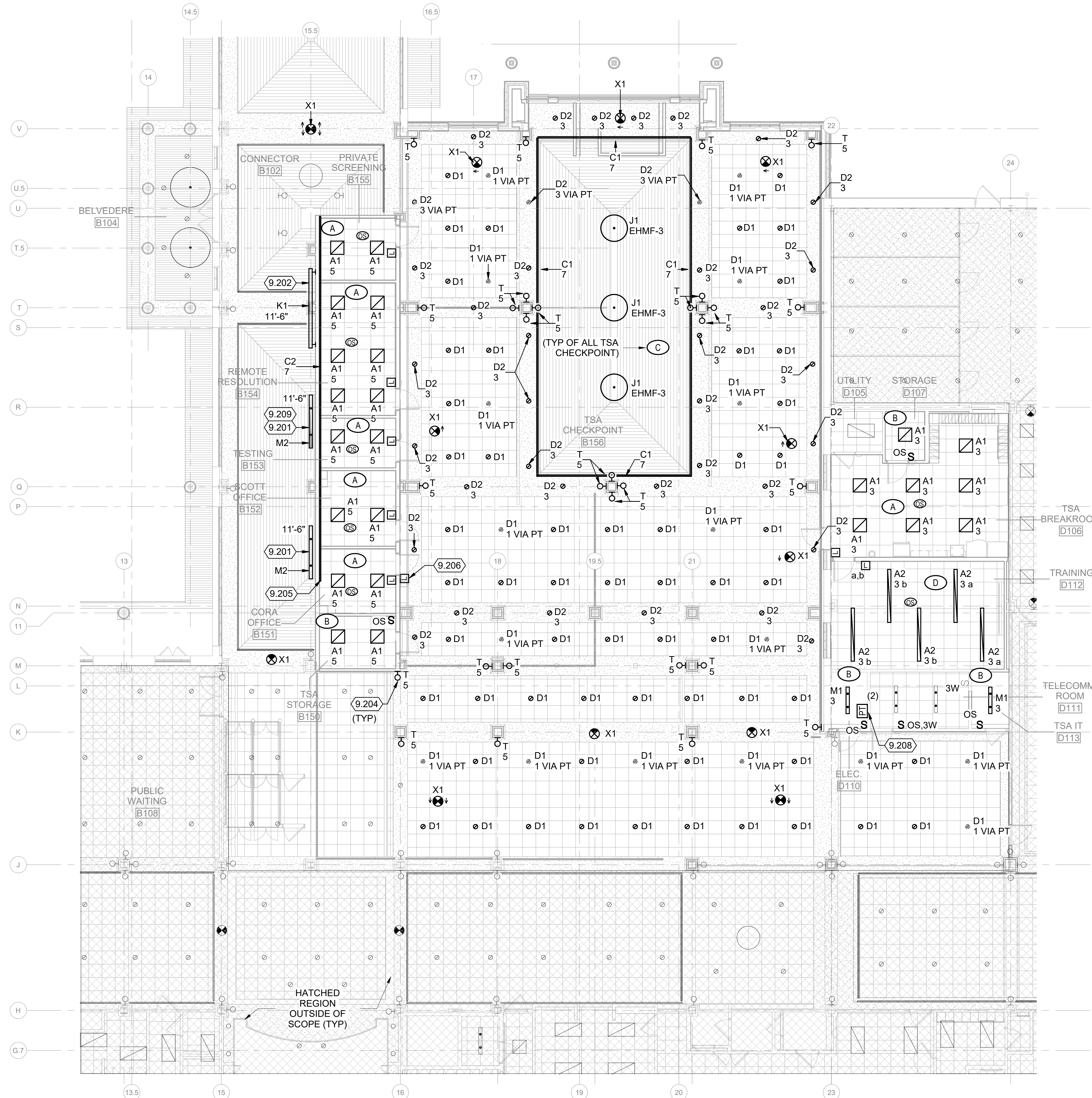
1. EXTEND AN UNSWITCHED PORTION OF THE CIRCUIT SERVING THE AREA AND OR SPACE TO EBU(S) AND OR EMERGENCY BATTERY/BALLAST WHERE INDICATED, SO THAT UPON LOSS OF NORMAL POWER LUMINAIRE(S) OPERATES FROM EMERGENCY BATTERY.
2. MOUNT EBU(S) AT 8'-0" AFF UNLESS NOTED OTHERWISE.
3. COORDINATE EGRESS LIGHTING AND EXIT REQUIREMENTS WITH ARCHITECTURAL LIFE SAFETY PLANS.
4. ALL EXIT SIGNS TO BE WIRED TO EMERGENCY CIRCUIT SERVING THE AREA.
5. WALL-MOUNTED EXIT SIGN MOUNTING HEIGHT INDICATED ON DETAIL 1/502 UNLESS OTHERWISE NOTED.
6. LOCATE ALL PT'S IN ELECTRICAL ROOM AND LABEL AS REQUIRED FOR IDENTIFICATION OF LIGHTS IN THE AREA THEY ARE LOCATED. LOCATION OF PT'S SHOWN ON PLANS ARE DIAGRAMMATIC AND DO NOT SUGGEST THE ACTUAL QUANTITY REQUIRED. (1) PT PER SWITCH/SENSOR CONTROLLED AREA REQUIRED.
7. ALIGN DEVICES VERTICALLY WHERE LIGHTING, POWER AND OTHER DEVICES WITH DIFFERENT MOUNTING HEIGHTS ARE INDICATED CLOSE TO OTHER DEVICES.
8. LIGHT SWITCHES SHALL BE MOUNTED ON LATCH SIDE OF DOOR WITHIN 12" OF DOOR IN OPEN POSITION. COORDINATE LOCATION WITH OTHER WALL DEVICES PRIOR TO ROUGH-IN.
9. ALL WALL-MOUNTED LUMINAIRE MOUNTING HEIGHTS SHOWN ON PLANS ARE MEASURED AFF TO BOTTOM OF LUMINAIRE, UNLESS NOTED OTHERWISE.

SHEET NOTES:

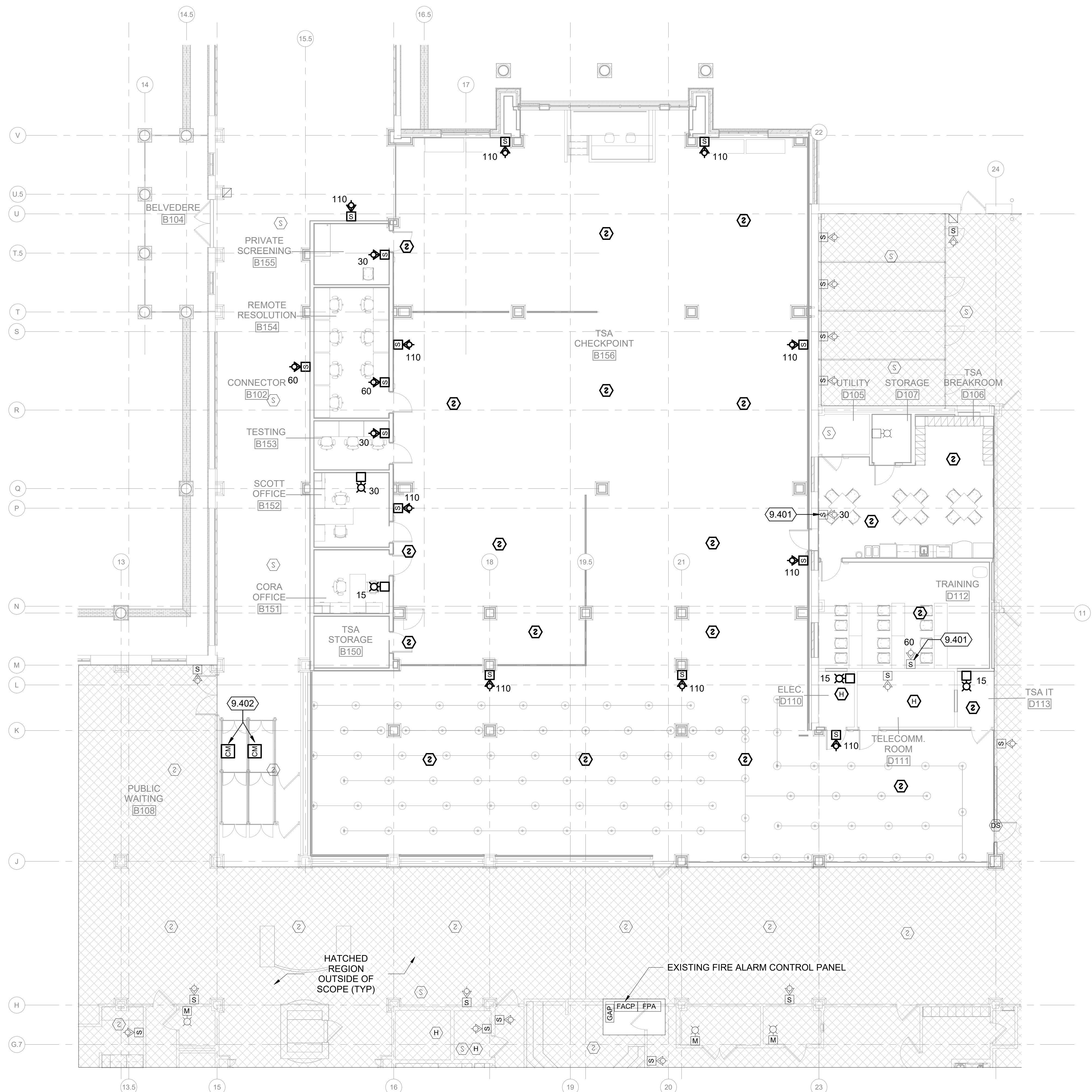
1. ALL NORMAL 277V LIGHTS SHALL BE FED FROM PANEL "MF", UNLESS NOTED OTHERWISE.
2. ALL DOWNLIGHTS, TYPE D1 ON THIS SHEET SHALL BE CIRCUITED TO PANEL EHMF, CIRCUIT #1 UNLESS NOTED
3. SEE SHEET E-602 FOR LIGHTING CONTROLS INTENT AND FIXTURE SCHEDULE
4. ALL FIXTURE TYPE X1 AND M2 GTD SHALL BE WIRED VIA DEDICATED EXIT SIGN INVERTER OUTPUT

KEYED NOTES

- 9.201 INTERCEPT EXISTING LIGHTING BRANCH CIRCUIT AND CONTROLS FROM REMOVED PENDANT (SHEET ED121) AND EXTEND TO NEW FIXTURE. RE-USE EXISTING FIXTURE BACKBOX
- 9.202 INTERCEPT AND EXTEND WIRING FROM REMOVED PENDANT FOR POWER AND CONTROLS
- 9.204 MATCH FIXTURE MOUNTING HEIGHT WITH OTHER TYPE "T" EXISTING TO REMAIN FIXTURES
- 9.205 INSTALL LIGHT ON INTERIOR (SOUTH) SIDE NEAR TOP OF WALL. AIM FIXTURE AT DECORATIVE CEILING ABOVE. LIGHT FIXTURE SHALL BE CONTROLLED USING THE SAME CONTROL SCHEME AS CHECKPOINT EXPANSION AREA OF WORK, ROOM B156
- 9.206 COORDINATE FINAL LOCATION PRIOR TO ROUGH IN. PROVIDE LOCKABLE COVER ON CONTROL STATION.
- 9.208 PROVIDE QUANTITY OF PT DEVICES SHOWN. ONE PT DEVICE PER LIGHTING CONTROL SWITCHLEG.
- 9.209 FURNISH FIXTURE WITH INTEGRAL GENERATOR TRANSFER DEVICE (GTD). FIELD LOCATE AND EXTEND UNSWITCHED HOT CONDUCTOR FROM FIXTURE CIRCUIT TO NORMAL SIDE OF GTD. ROUTE WIRING FROM INVERTER OUTPUT TO EMERGENCY SIDE OF GTD



TRUE PLAN
NORTH NORTH
1
1/8" = 1'-0"



GENERAL NOTES:

- CONTRACTOR SHALL FIELD LOCATE NAC PANELS, BID SHALL ASSUME CONTRACTOR TO PROVIDE ONE (1) NEW NAC PANEL. ALL DEVICES SHALL BE ADDRESSIBLE, AND COMPADIBLE WITH THE EXISTING SIMPLEX SYSTEM.

KEYED NOTES

- 9.401 SET EXISTING DEVICE TO CANDELLA RATING SHOWN ON PLANS. IF NOT FIELD ADJUSTABLE, REPLACE WITH NEW NOTIFICATION APPLIANCE
- 9.402 INSTALL CONTROL MODULE ABOVE ACCESSIBLE CEILING. WIRE MODULE TO FLIP FLOW FIRE ALARM INTERFACE TO ALLOW FREE EXIT IN THE EVEN OF AN ALARM



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SHEET CONTENTS
FIRST FLOOR FIRE ALARM PLAN

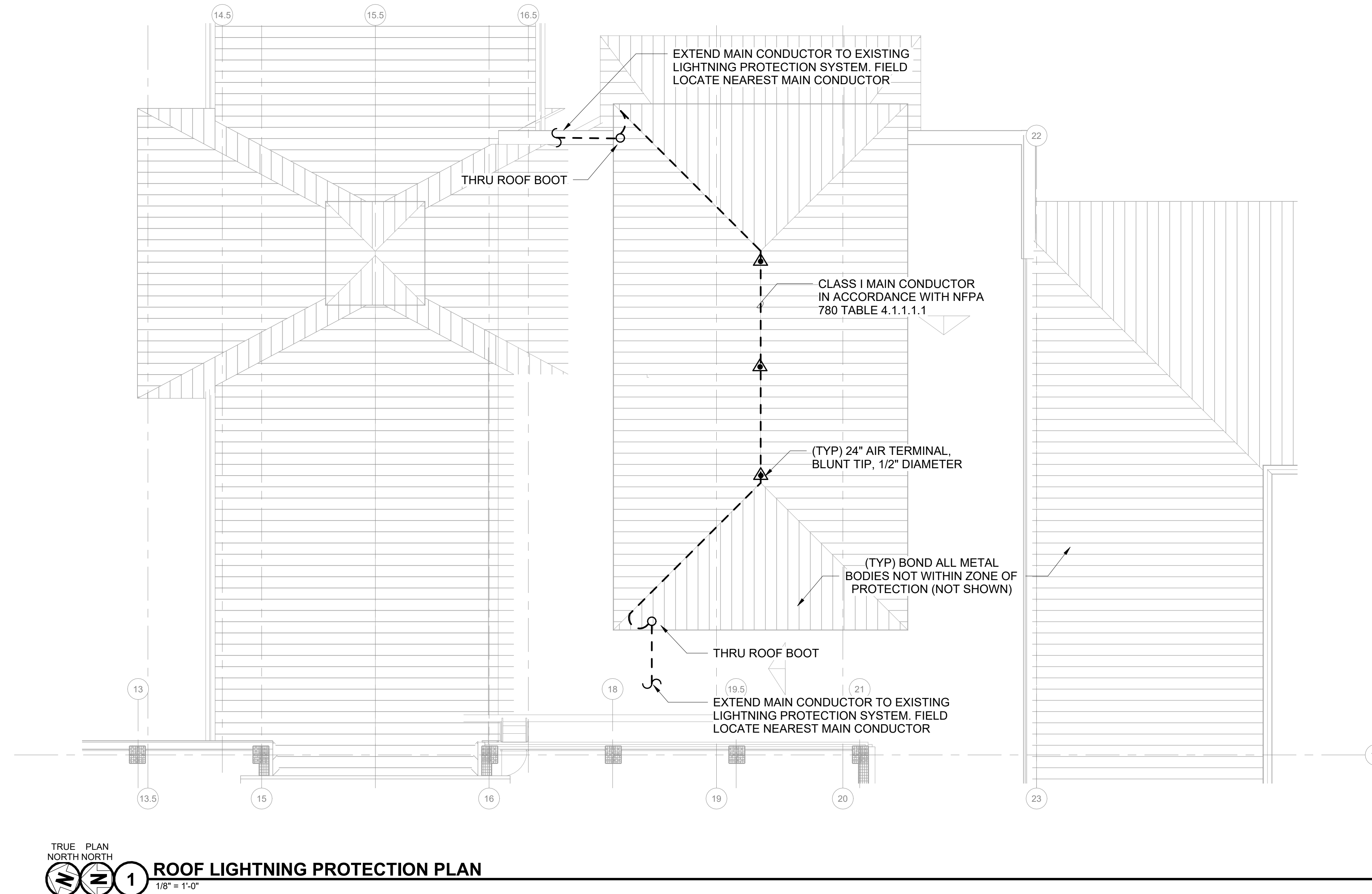
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TRUE PLAN
NORTH NORTH
1 FIRST FLOOR FIRE ALARM PLAN
1/8" = 1'-0"

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GENERAL NOTES:

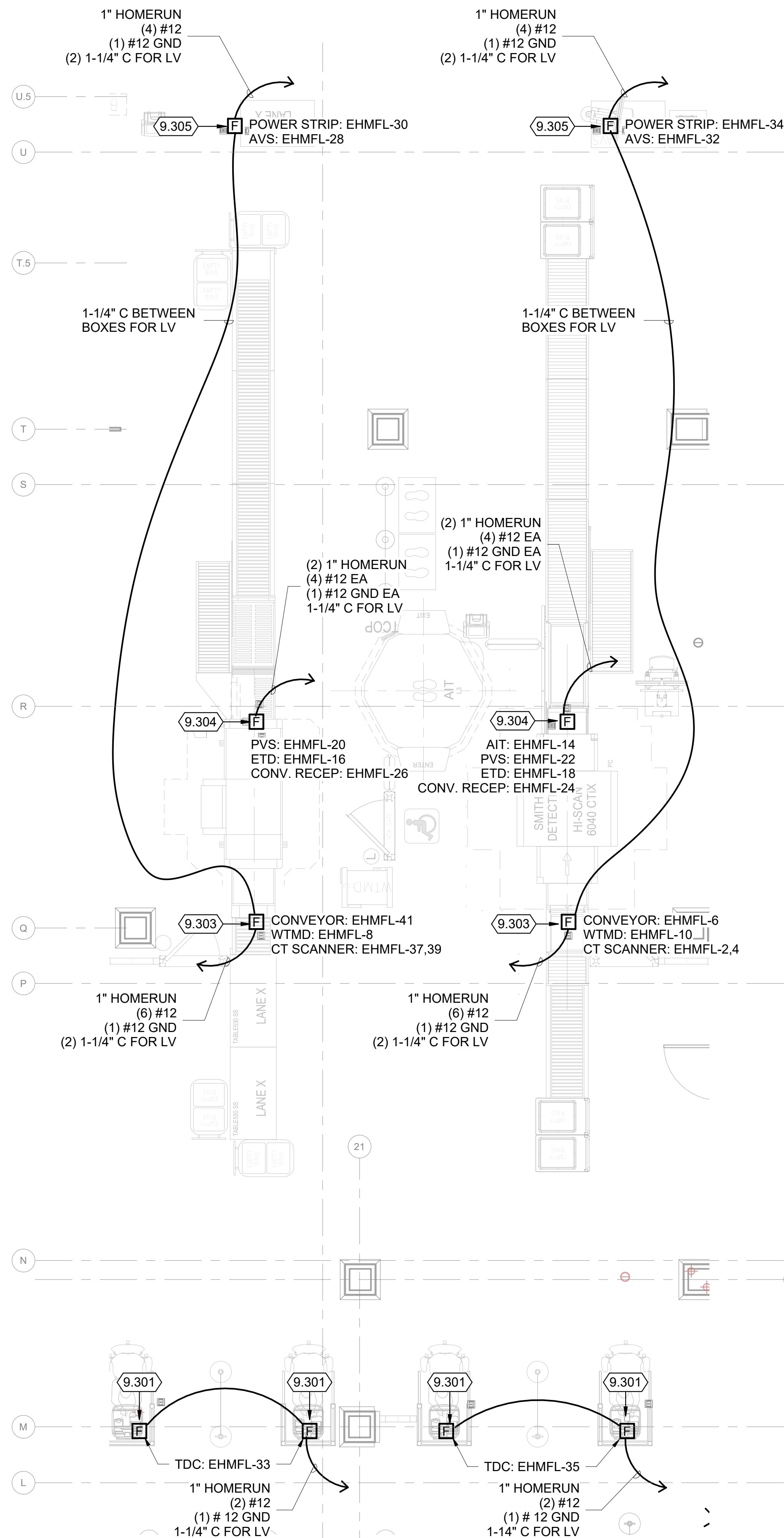
1. THE INTENT OF THE LIGHTNING PROTECTION SYSTEM (LPS) IS SHOWN ON THIS DRAWING. ELECTRICAL CONTRACTOR SHALL PROVIDE A DESIGN THAT MEETS THE REQUIREMENTS IDENTIFIED IN SPECIFICATION 264113.
2. THE LIGHTNING PROTECTION INSTALLATION SHALL COMPLY IN ALL RESPECTS TO LIGHTNING PROTECTION INSTITUTE STANDARD 175. THE INSTALLATION SHALL BE MADE BY OR UNDER THE SUPERVISION OF AN LPI CERTIFIED MASTER INSTALLER. THE COMPLETED INSTALLATION WILL RECEIVE SYSTEM CERTIFICATION SUBMITTAL FORM LPI 176.
3. THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN A NEAT AND INCONSPICUOUS MANNER SO THAT ALL COMPONENTS WILL BLEND IN WITH THE APPEARANCE OF THE BUILDING. ALL DOWN CONDUCTORS SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT CONCEALED FROM NORMAL VIEW FROM EXTERIOR LOCATIONS. EXPOSED CONDUIT AND/OR CONDUCTORS ON THE BUILDING EXTERIOR IS UNACCEPTABLE.
4. THE DESIGN LAYOUT AND INSTALLATION DETAILS SHALL MEET THE REQUIREMENTS OF UNDERWRITERS' LABORATORIES STANDARD 96A FOR MASTER LABELED LIGHTNING PROTECTION SYSTEMS. THE ACTUAL MASTER LABEL WILL BE DELIVERED UPON COMPLETION OF INSTALLATION.
5. THE DESIGN LAYOUT AND INSTALLATION DETAILS SHALL MEET THE REQUIREMENTS OF NFPA 780, CURRENT EDITION.
6. INDUCTIVE METAL BODIES LOCATED ABOUT THE ROOF SUCH AS: METAL FLASHING, GRAVEL STOPS, ROOF DRAINS, SOIL PIPE VENTS, INSULATION VENTS, LOUVERS AND DOOR FRAMES SITUATED WITHIN (6'-0") OF A LIGHTNING CONDUCTOR OR BONDED METAL BODY SHALL BE INTERCONNECTED TO THE LIGHTNING CONDUCTOR SYSTEM.
7. NO BEND OF A CONDUCTOR SHALL FORM A FINAL INCLUDED ANGLE OF LESS THAN 90 DEGREES NOR SHALL BEND RADIUS OF LESS THAN (8").
8. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED NOT MORE THAN (3'-0") MAXIMUM SPACING.
9. FOR SAKE OF CLARITY NOT ALL COMPONENTS ARE SHOWN ON THE PLAN. FOR ADDITIONAL INFORMATION REFER TO SPECIFICATIONS AND SEE DETAILS.
10. NO PART OF THE FACILITY STRUCTURE SHALL BE USED AS A DOWN CONDUCTOR NOR ANY PORTION OF THE STRUCTURE USED AS A CONDUCTOR, EXCEPT AS NECESSARY TO PROTECT THE STRUCTURE ITSELF.
11. INSTALLATION OF THE LIGHTNING PROTECTION SYSTEM SHALL NOT VOID THE WARRANTY OF THE ROOF.



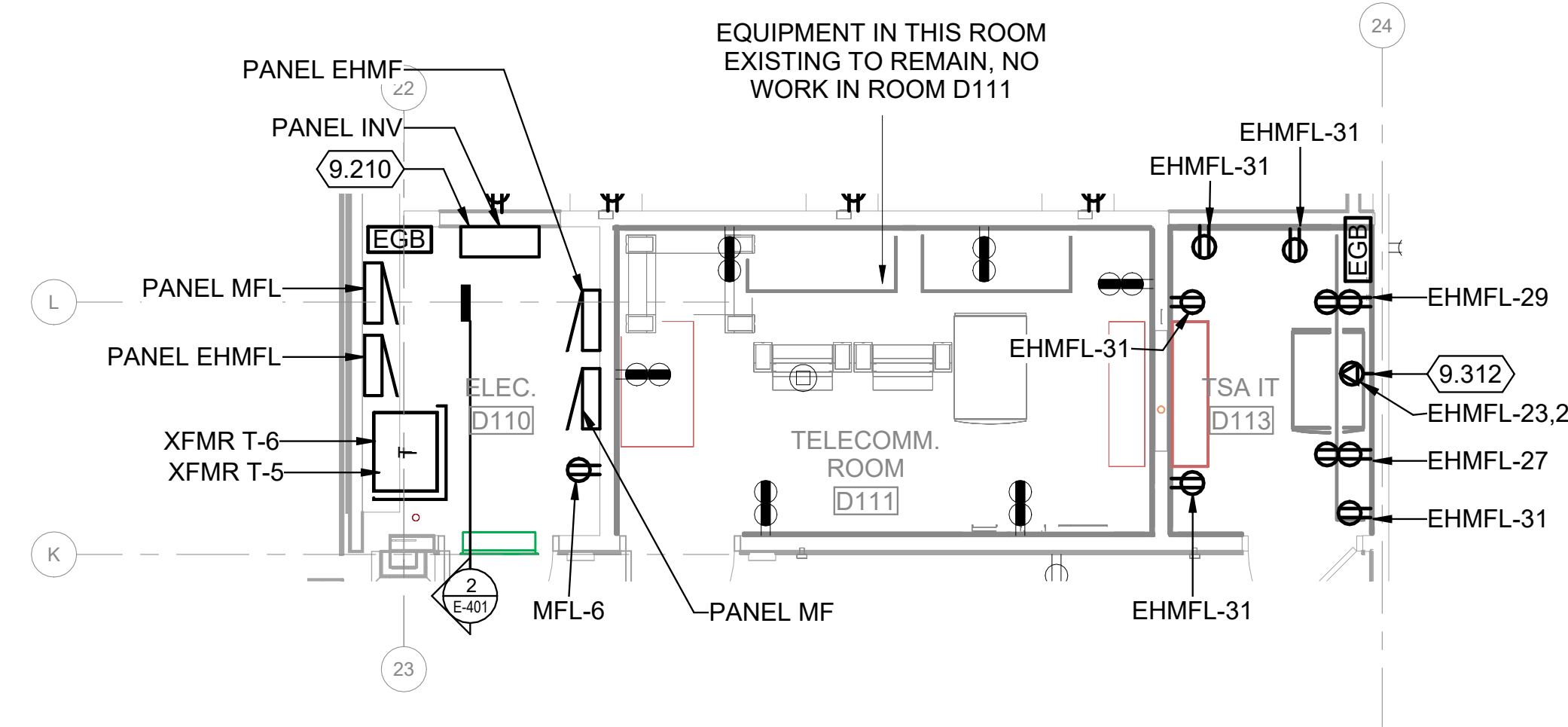
TRUE PLAN
NORTH NORTH
1 ROOF LIGHTNING PROTECTION PLAN
1/8" = 1'-0"

KEYED NOTES

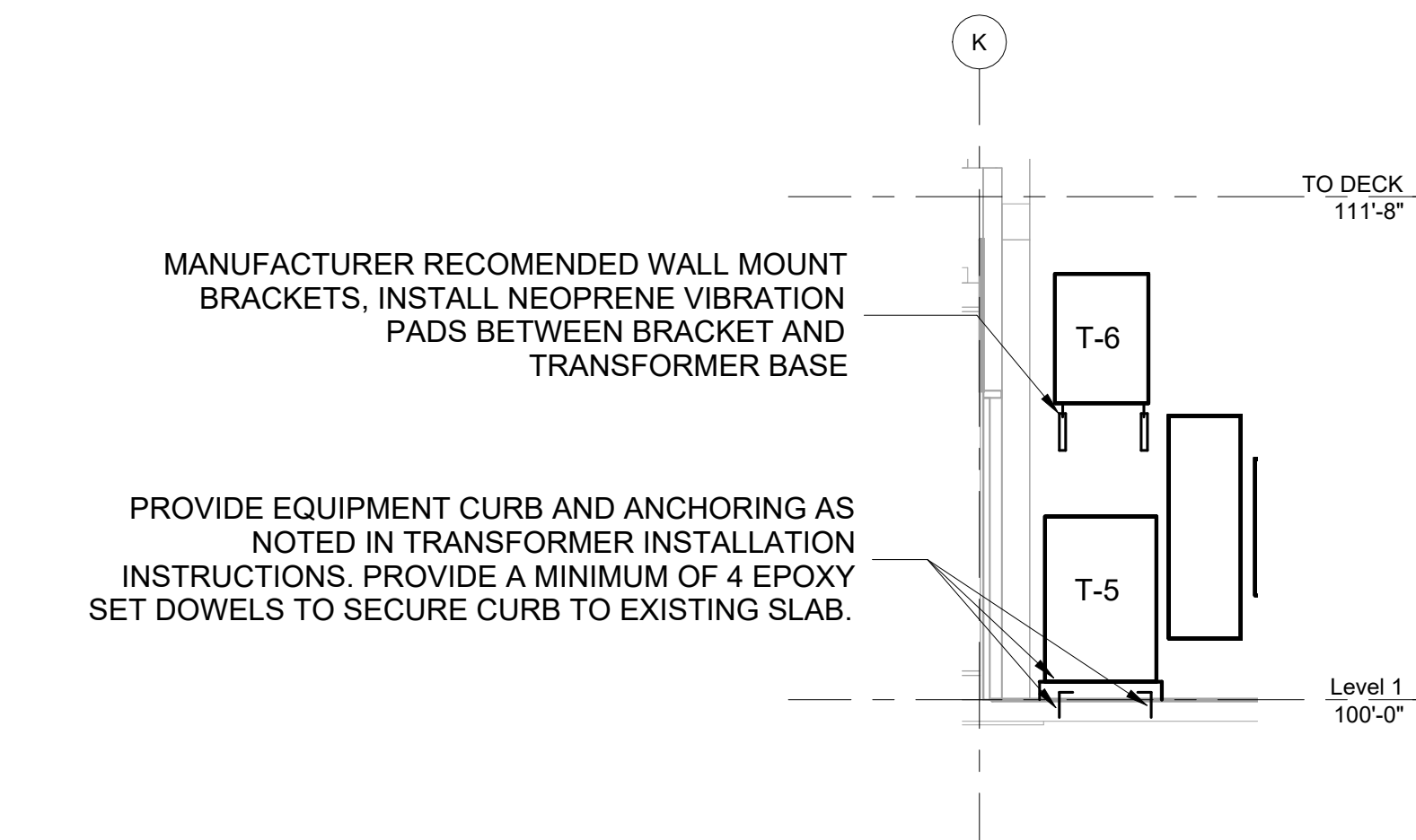
- 9.210 FURNISH INVERTOR WITH FOUR (4) OUTPUT CIRCUIT BREAKERS. WIRE ALL EXIT SIGNS, TYPE X1, AND FIXTURE TYPE M2 GTD SHOWN ON E-121 THROUGH ONE OUTPUT BREAKER. ALL POWER TRANSFER DEVICES (PT) SHALL BE WIRED THROUGH AN OUTPUT BREAKER. TWO (2) OUTPUT BREAKERS SHALL BE DESIGNATED AS SPARE. ALL OUTPUT BREAKERS SHALL BE NORMALLY CLOSED
- 9.301 SEE FLOOR BOX DETAIL "G" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. PROVIDE WITH FLUSH ACTIVATIONS. VERIFY LOCATION WITH TSA PRIOR TO ROUGH IN. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM.
- 9.303 FRONT XRAY OUTLET, SEE FLOOR BOX DETAIL "A" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM
- 9.304 REAR XRAY OUTLET, SEE FLOOR BOX DETAIL "B" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM
- 9.305 AVS STATION, SEE FLOOR BOX DETAIL "C" ON SHEET E-501 FOR RECEPTACLE QUANTITY AND FLOOR BOX CONSTRUCTION. ROUTE LOW VOLTAGE RACEWAY TO TSA IT ROOM
- 9.312 COORDINATE ROUGH IN LOCATION WITH LOW VOLTAGE CONTRACTOR. MOUNT RECEPTACLE ABOVE RACK ON STRUT TRAPEZE. PROVIDE NEMA L6-30R RECEPTACLE. CONFIRM PLUG CONFIGURATION AND AMPACITY PRIOR TO ROUGH IN



TRUE PLAN NORTH NORTH
3 ENLARGED TSA EQUIPMENT PLAN
1/4" = 1'-0"

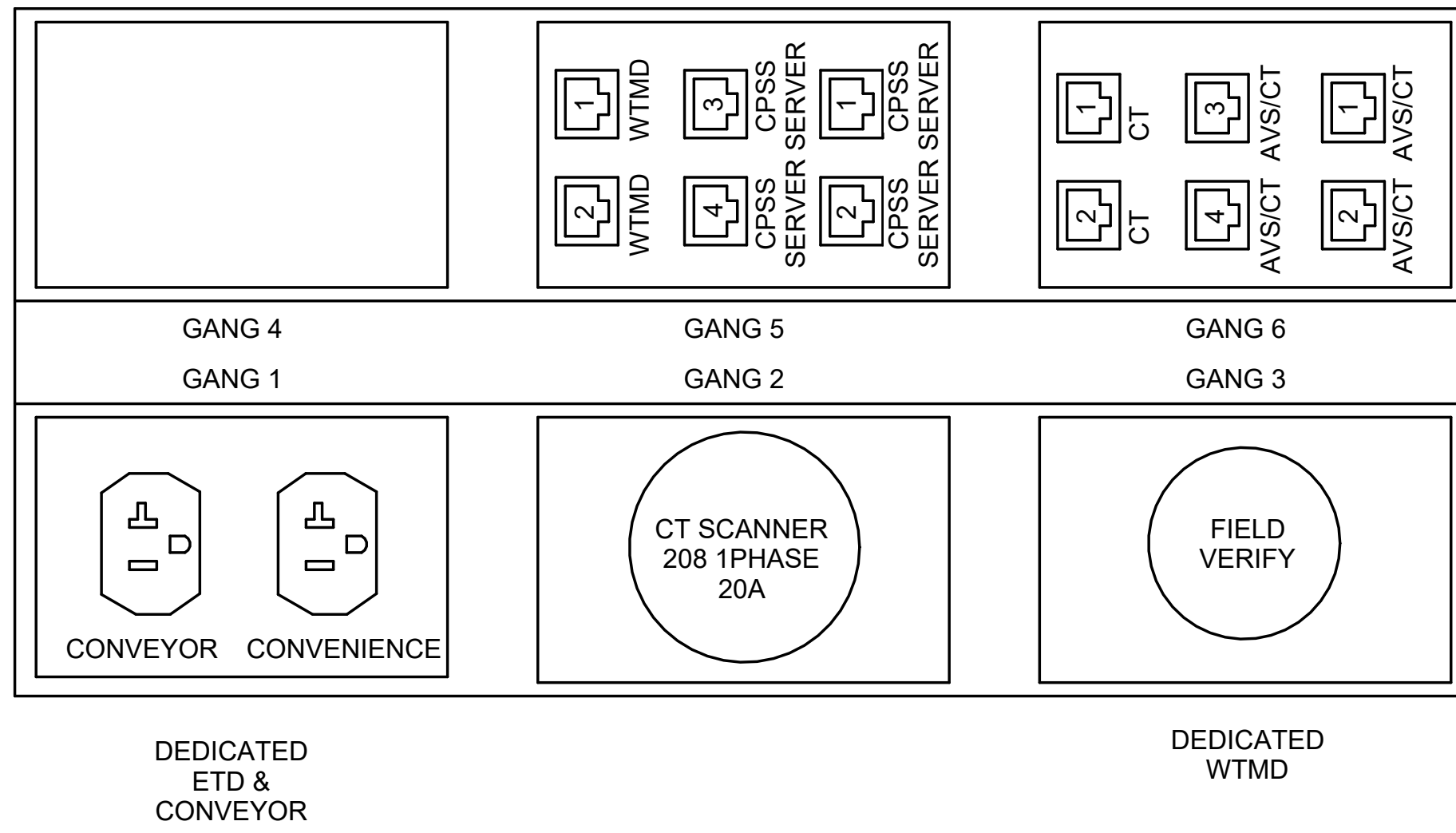


TRUE PLAN NORTH NORTH
1 ENLARGED ELECTRICAL ROOM
1/4" = 1'-0"

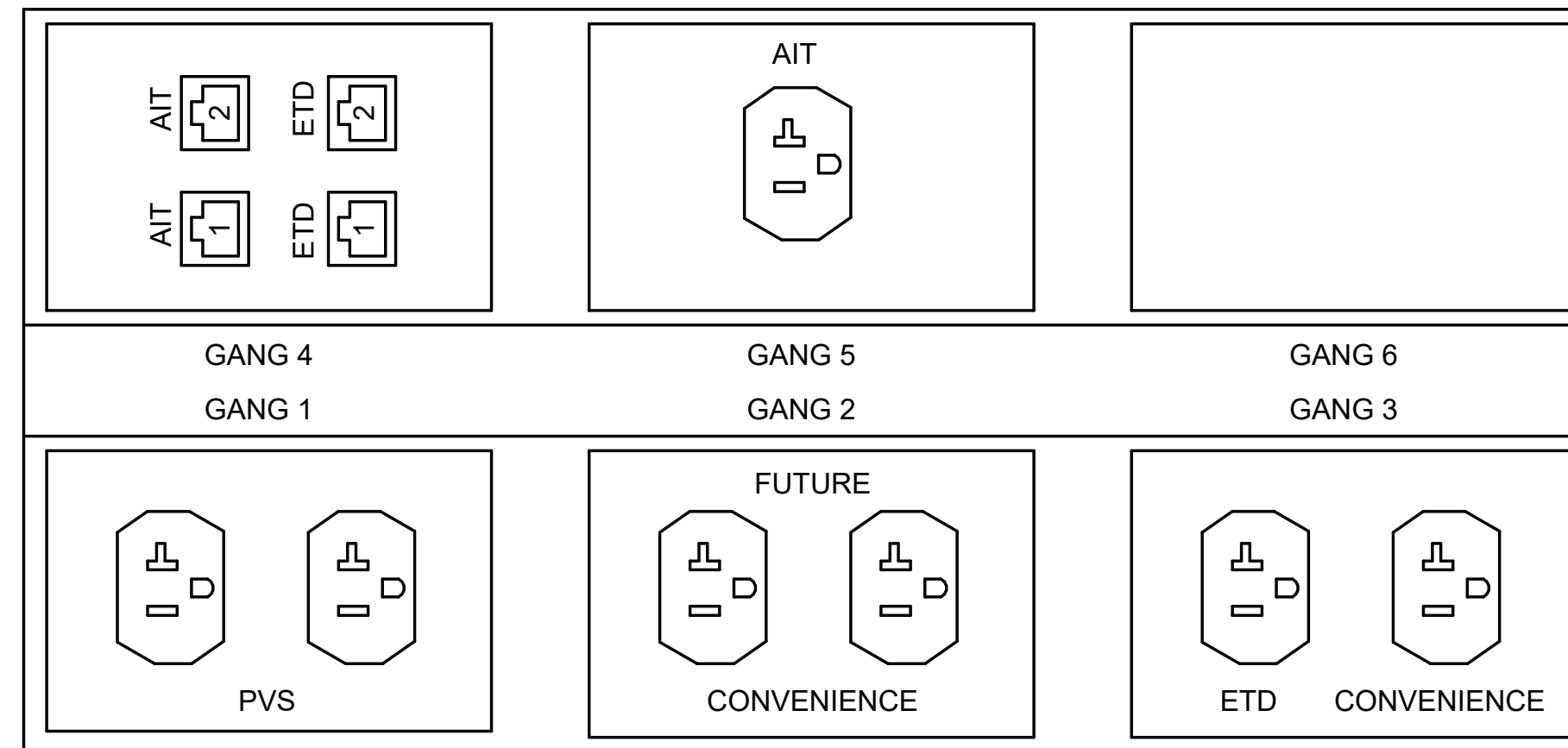


TRUE PLAN NORTH NORTH
2 ELECTRICAL ROOM ELEVATION
1/4" = 1'-0"

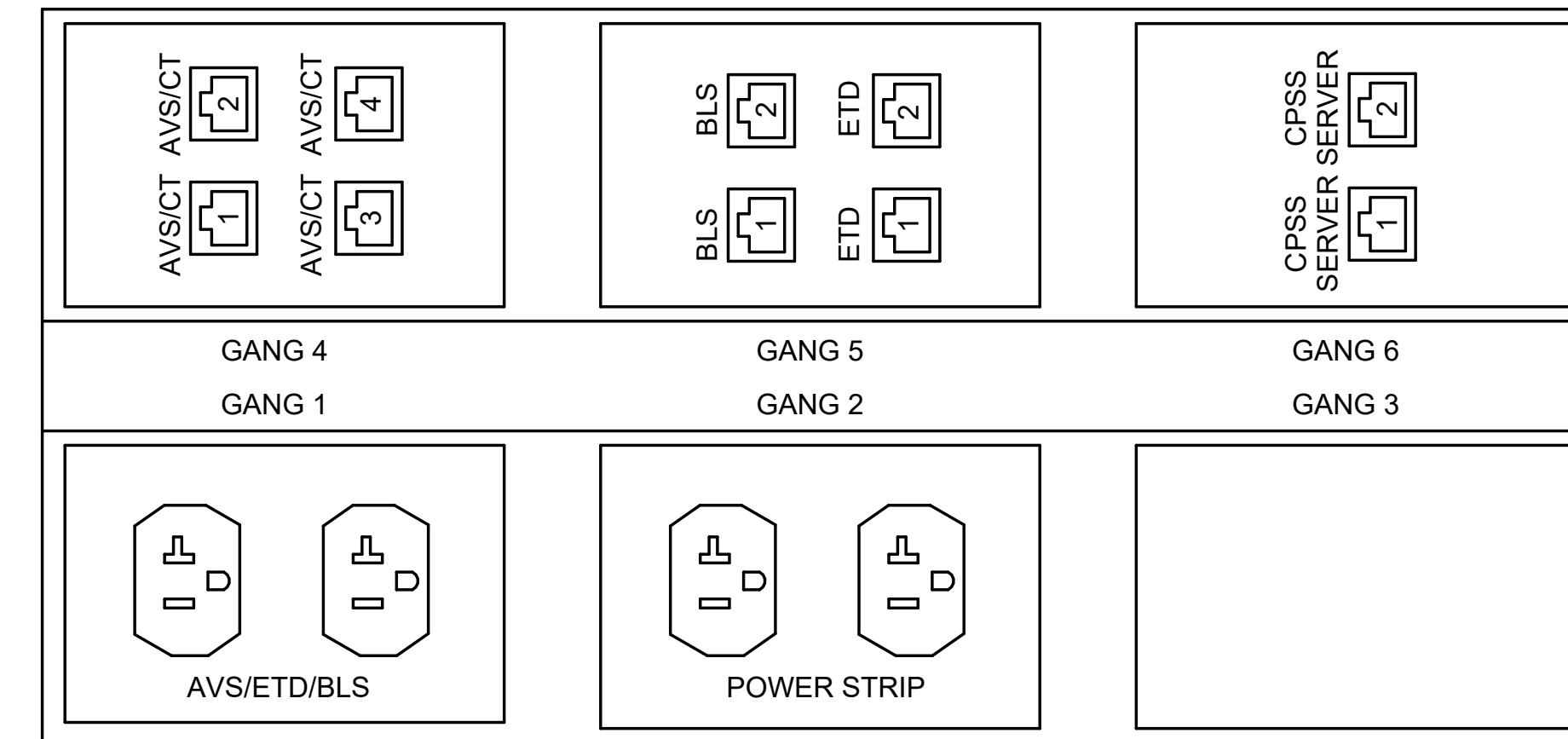
DETAIL A
FRONT XRAY OUTLET
FB1 TYPE



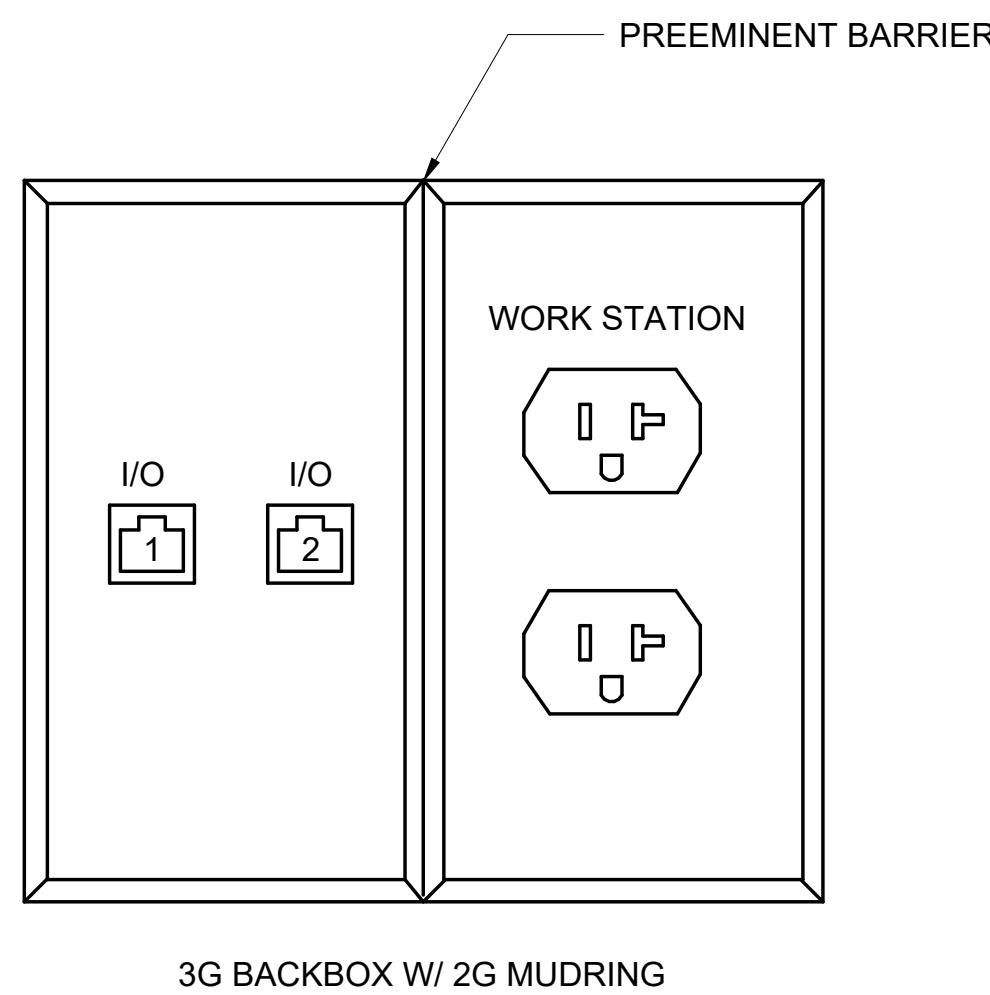
DETAIL B
REAR XRAY OUTLET
FB1 TYPE



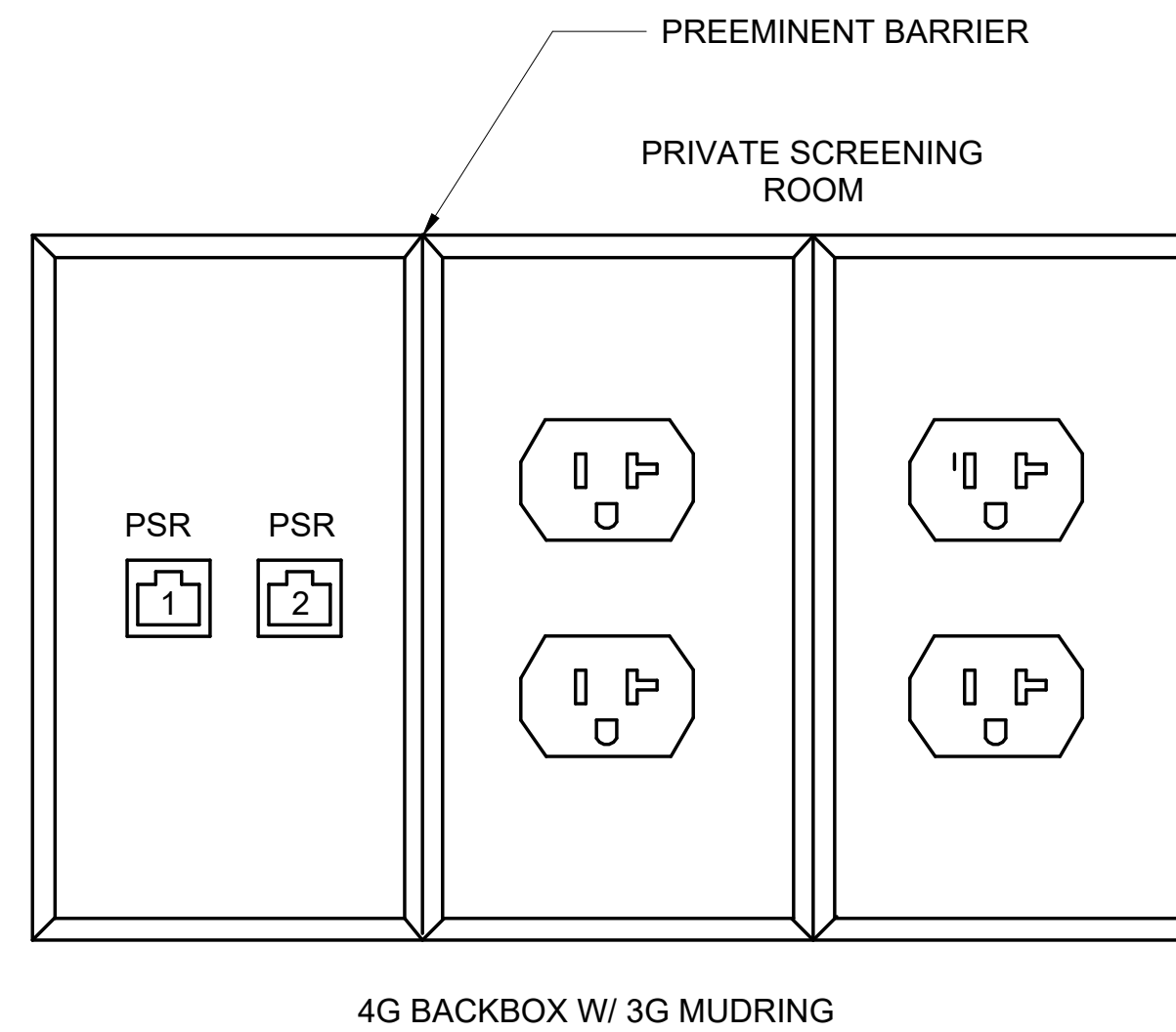
DETAIL C
AVS / ETD / BLS
FB1 TYPE



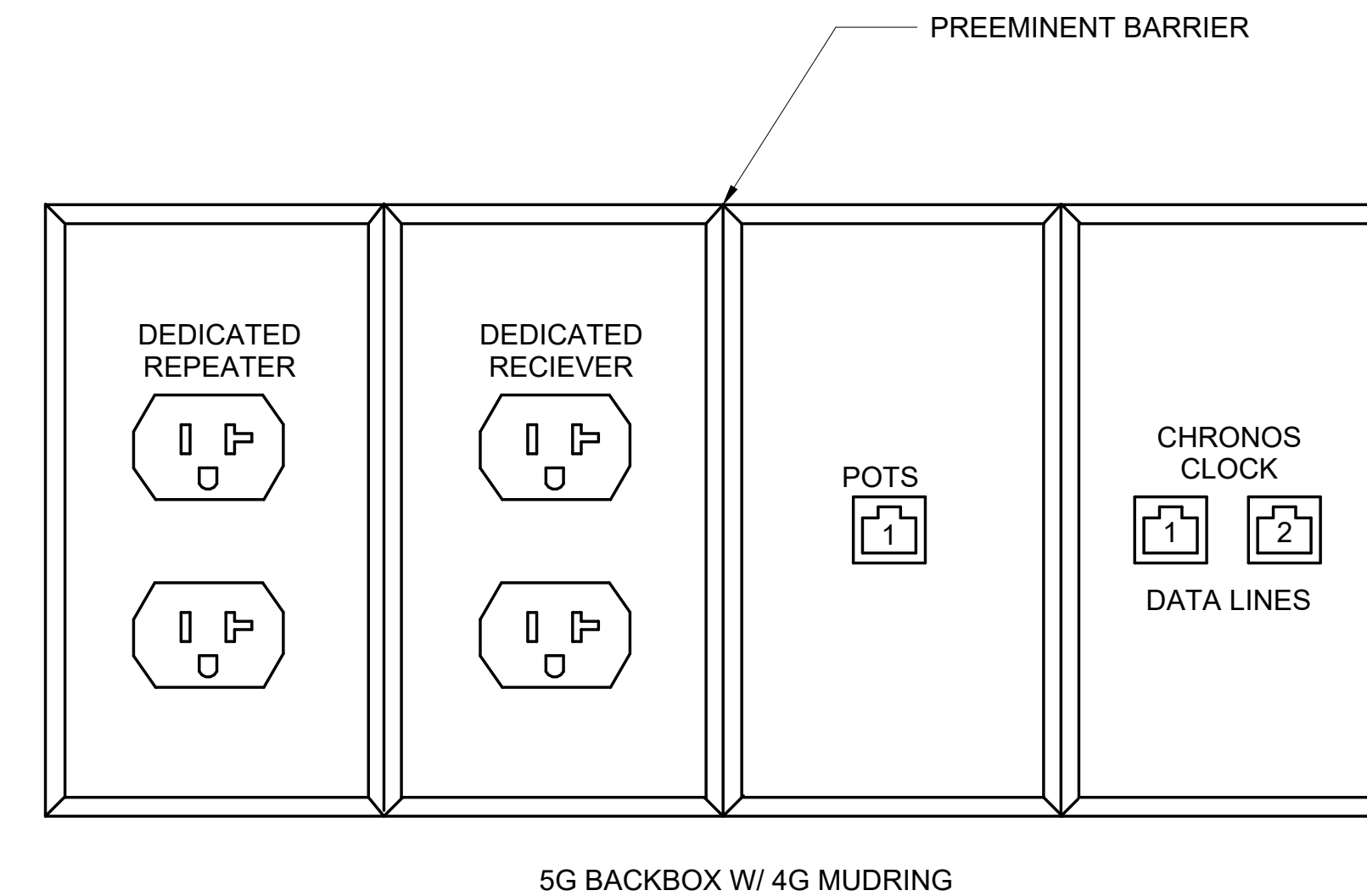
DETAIL D
I/O ROOM



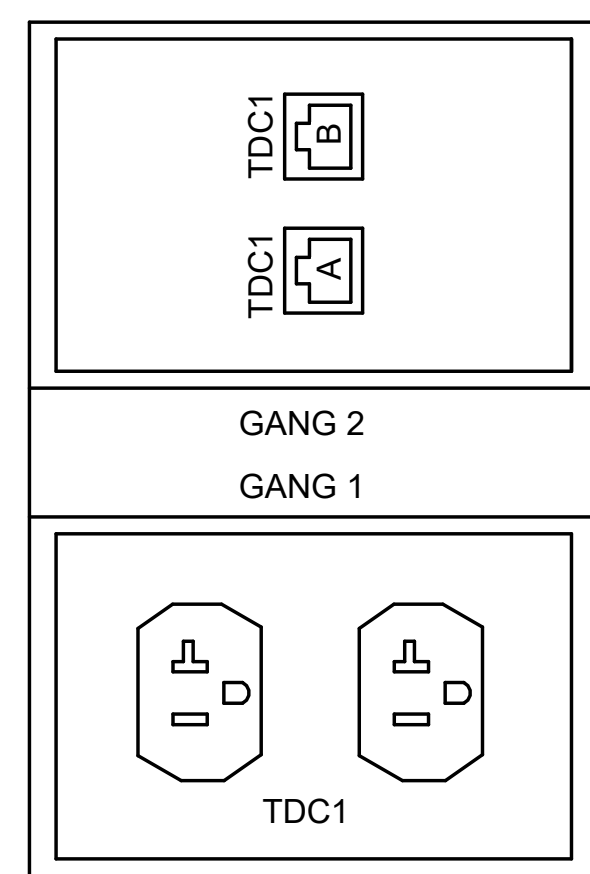
DETAIL E
PRIVATE SCREENING ROOM



DETAIL F
DURESS ALARM &
KRONOS CLOCK



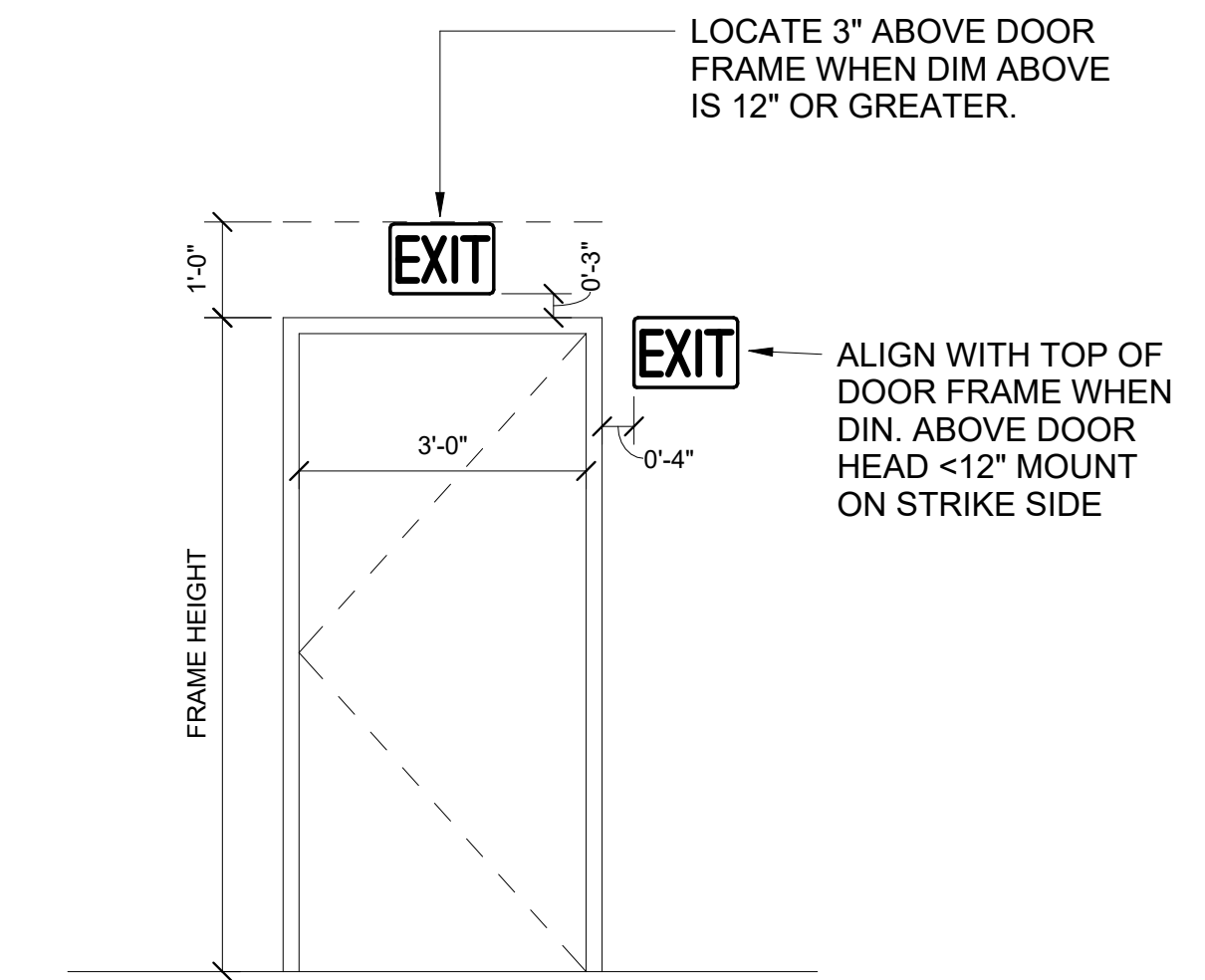
DETAIL G
TDC [CAT / E GATE / BAT]
FB2 TYPE



| FLOOR BOX SCHEDULE | | | | |
|--------------------|--|------------------------|------------------------------|-------------|
| DESIGNATION | DESCRIPTION | APPROVED MANUFACTURERS | REFERENCE DETAIL SHEET E-501 | KEYED NOTES |
| FB1 | SIX-COMPARTMENT, FULLY ADJUSTABLE FLOOR BOX SUITABLE FOR ON-GRADE INSTALLATION. PROVIDE DEVICES AND COVERS IN ACCORDANCE WITH DETAIL ON SHEET E-501. PROVIDE RACEWAYS AS INDICATED ON SHEETS E-101 AND E-401 | WIREMOLD, HUBBELL | A, B, C | |
| FB2 | TWO-COMPARTMENT, FULLY ADJUSTABLE FLOOR BOX SUITABLE FOR ON-GRADE INSTALLATION. PROVIDE DEVICES AND COVERS IN ACCORDANCE WITH DETAIL ON SHEET E-501. PROVIDE RACEWAYS AS INDICATED ON SHEETS E-101 AND E-401 | WIREMOLD, HUBBELL | G | |

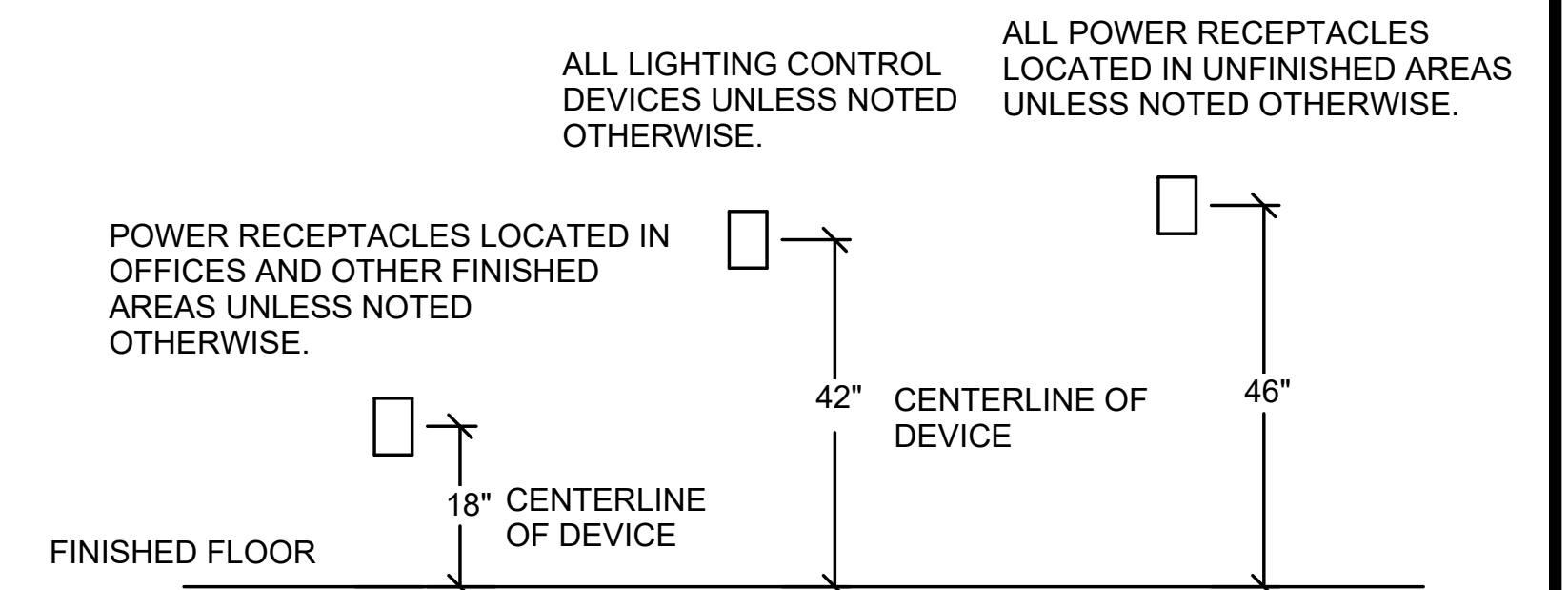
GENERAL NOTES:

- COORDINATE EXACT LOCATION OF FLOOR BOX WITH CONSTRUCTION MANAGER, TSA AND ARCHITECT PRIOR TO INSTALLATION
- COORDINATE COVER COLOR/FINISH WITH ARCHITECT PRIOR TO ORDERING
- PROVIDE ALL REQUIRED DEVICE PLATES

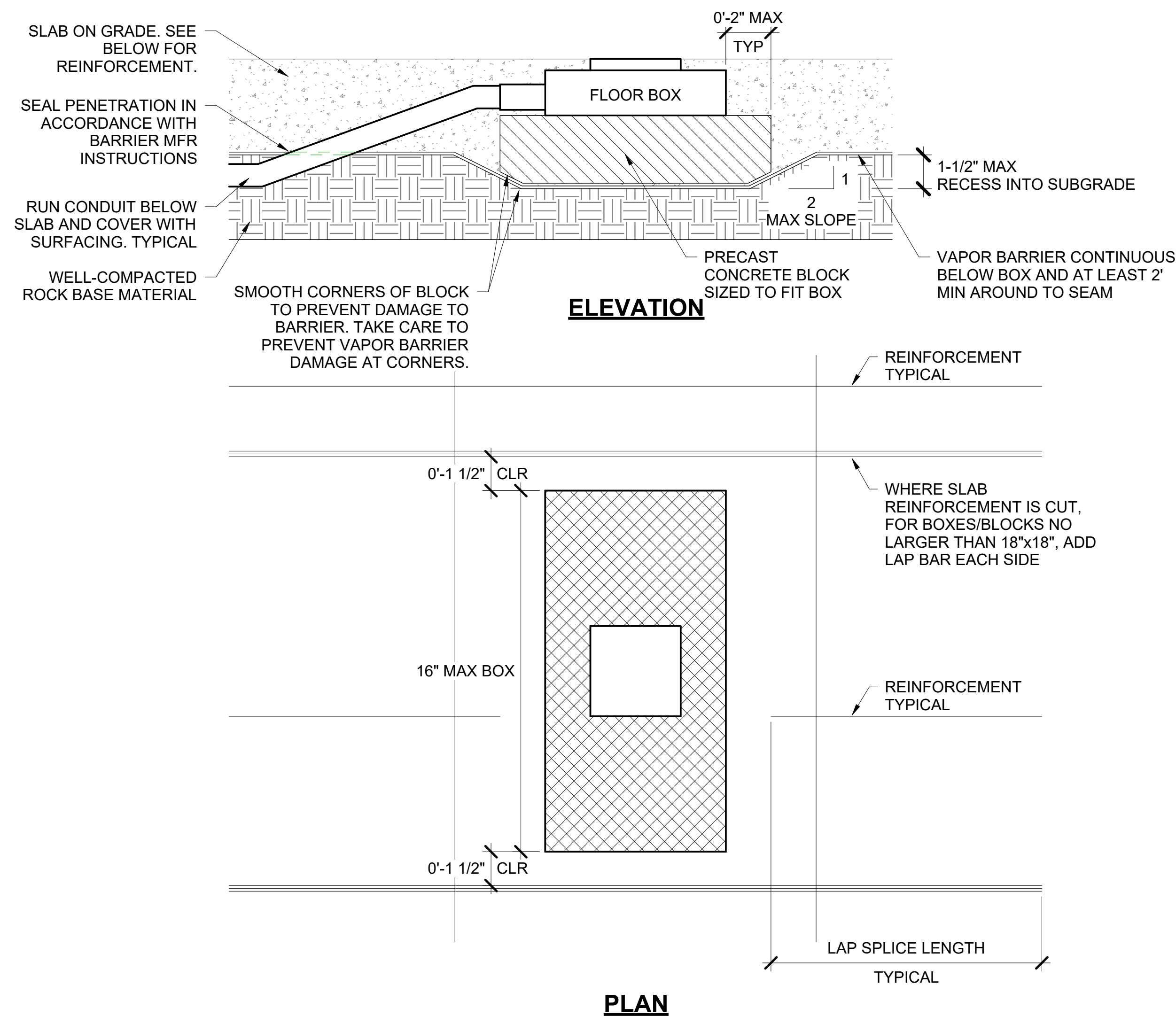


1 EXIT SIGN WALL MOUNTING AT DOOR
NO SCALE

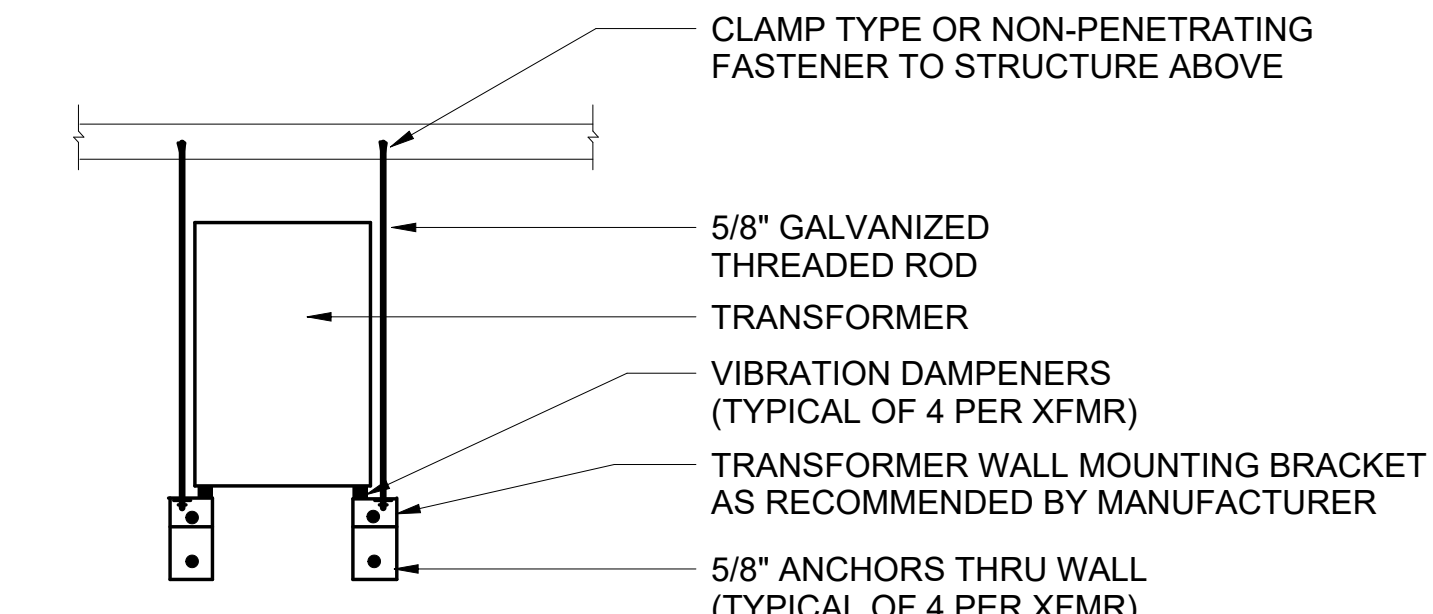
NOTE:
MOUNTING HEIGHT DIMENSION FOR POWER RECEPTACLES ABOVE COUNTER SHALL BE 6" ABOVE TOP OF COUNTER OR COUNTER BACKSPASH MEASURED TO THE CENTERLINE OF DEVICE.



2 DEVICE MOUNTING HEIGHTS DETAIL
NO SCALE

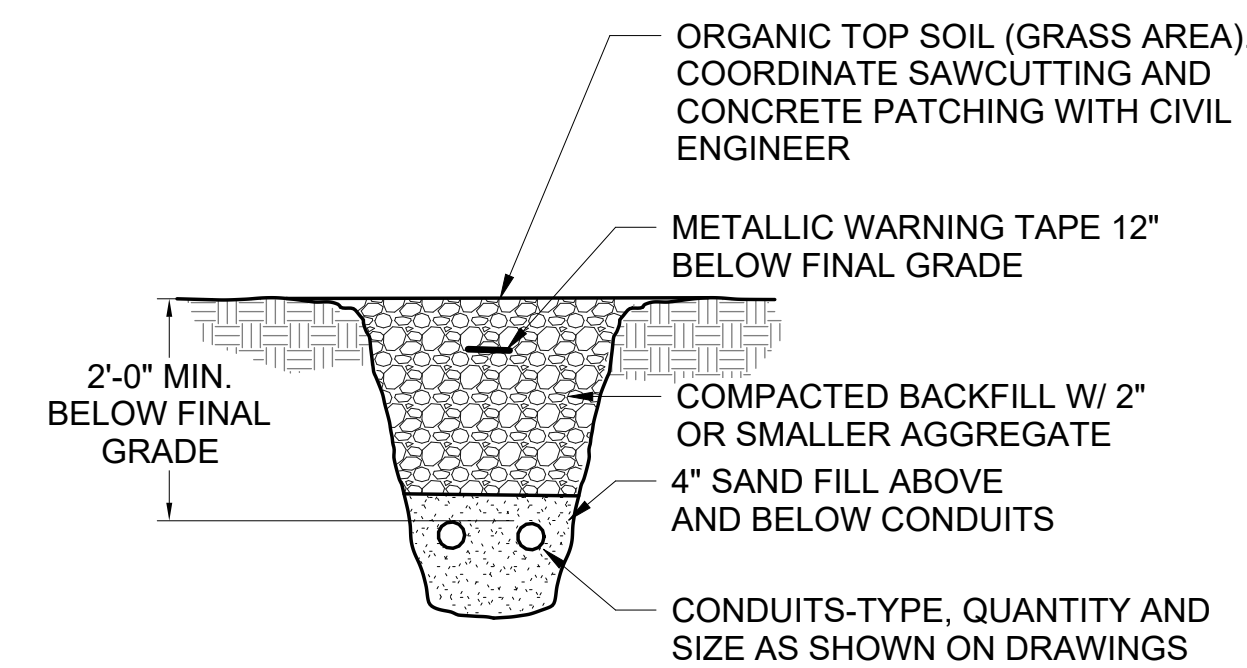


3 FLOOR BOX AT SLAB-ON-GRADE
NO SCALE

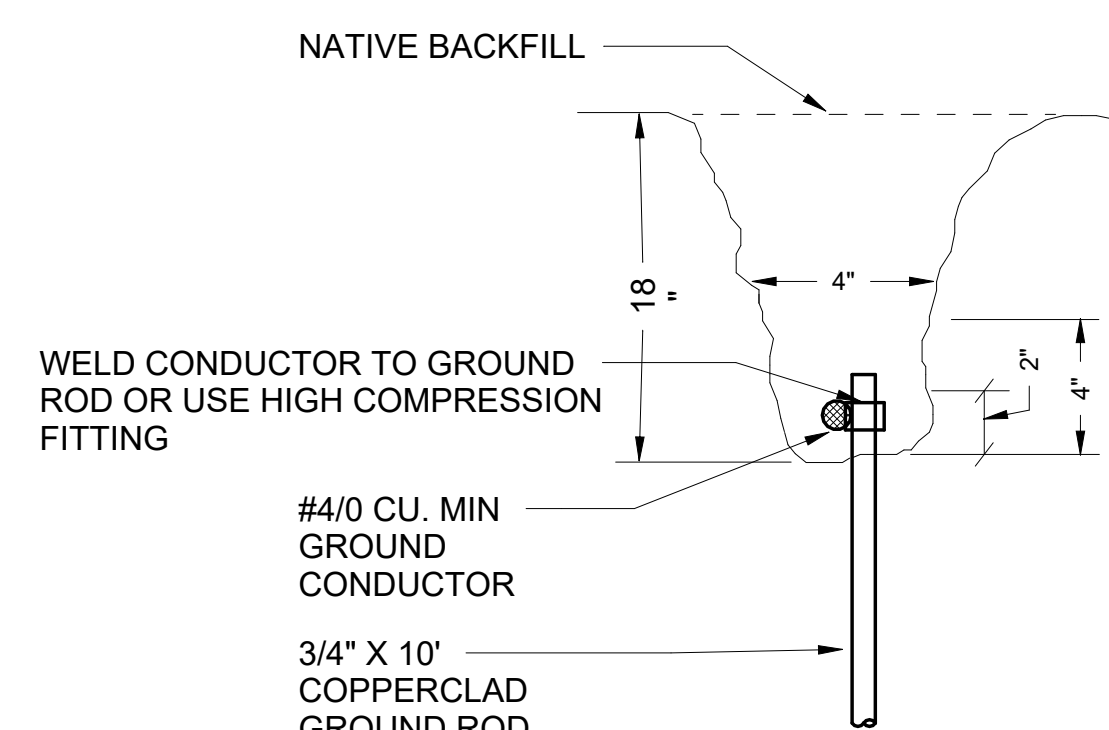


TRANSFORMER AND MOUNTING BRACKETS SHALL BE LOCATED OUTSIDE OF DEDICATED ELECTRICAL SPACE.

7 TRANSFORMER WALL/CEILING MOUNT
NO SCALE



8 UNDERGROUND CONDUIT DETAIL
NO SCALE



WELD CONDUCTOR TO GROUND ROD OR USE HIGH COMPRESSION FITTING

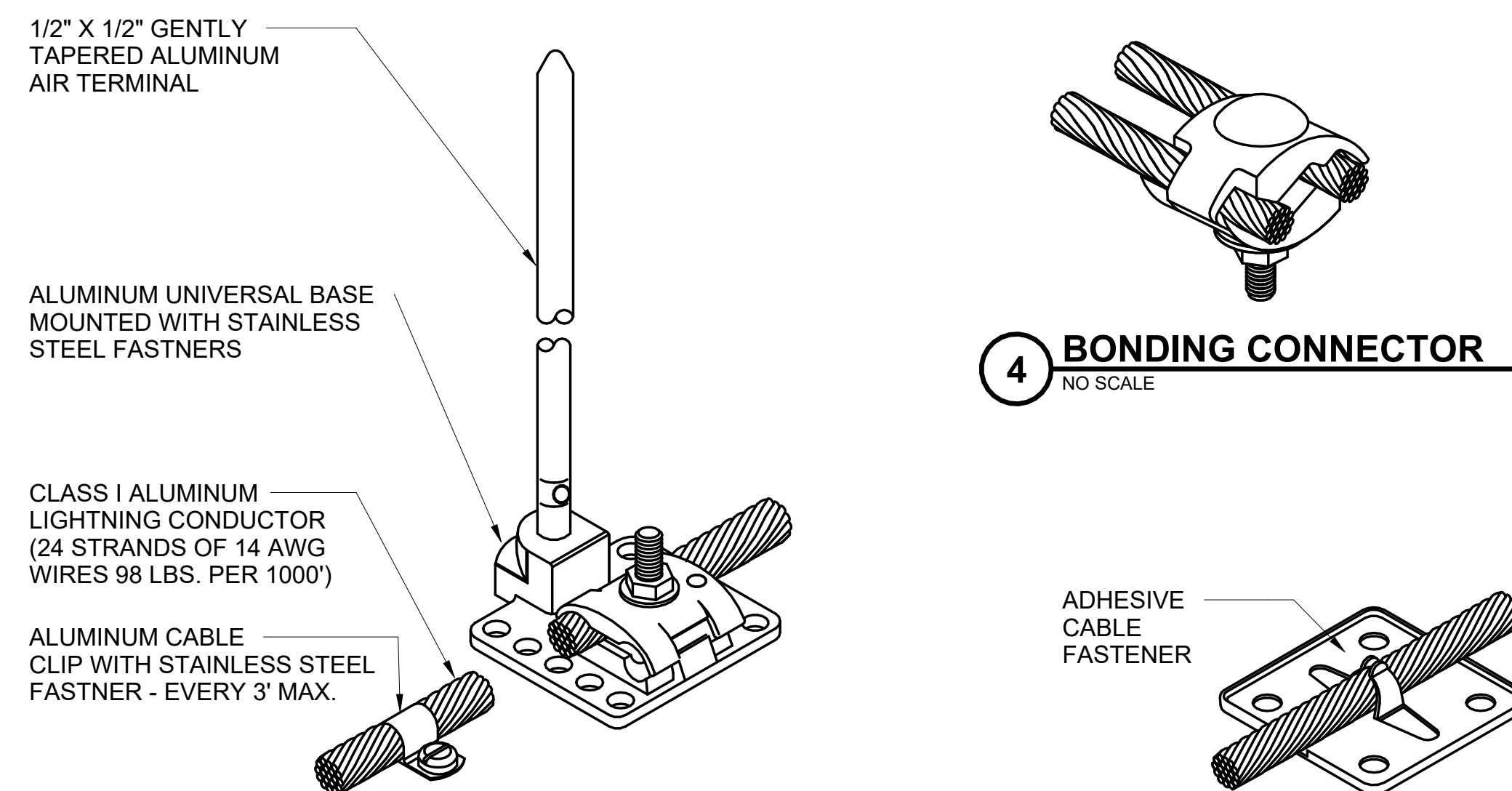
#4/0 CU. MIN GROUND CONDUCTOR

3/4" X 10' COPPERCLAD GROUND ROD

GENERAL NOTES:

1. NEUTRAL SYSTEM TO TEST AT LESS THAN 10 OHMS. IF THIS CAN'T BE MET, INFORM ENGINEER FOR DIRECTIONS.

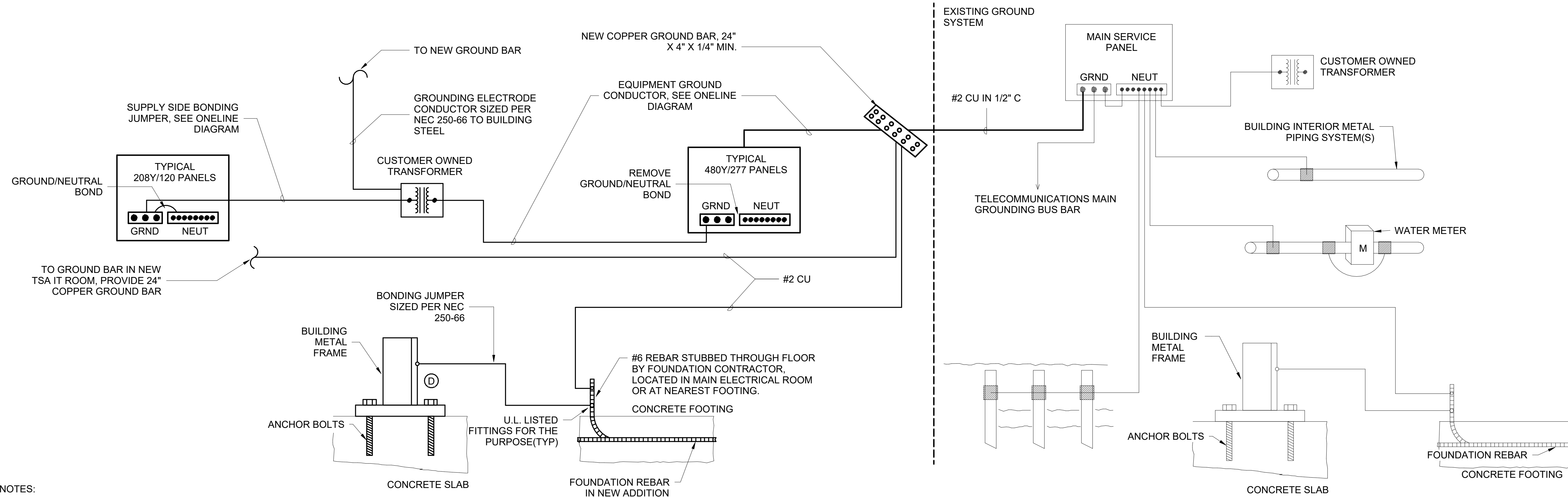
9 GROUND CONDUCTOR SECTION DETAIL
NO SCALE



4 BONDING CONNECTOR
NO SCALE

6 AIR TERMINAL BASE
NO SCALE

5 CABLE FASTENER
NO SCALE



NOTES:

- (A) LOCATE GROUND RODS CLEAR OF BUILDING IN A GRASS AREA WHERE RAIN WATER AND SPRINKLERS CAN KEEP THE SOIL MOIST. WHENEVER POSSIBLE, INSURE THAT AT LEAST 6 FT OF ROD IS IMBEDDED BELOW PERMANENT MOISTURE LEVEL.
- (B) INSTALL (3) 3/4" D., 10 FT LONG GROUND RODS SPACED AT A MINIMUM OF 12 FT APART, MAXIMUM 25 FT.
- (C) NOT USED
- (D) THE METAL FRAME OF THE BUILDING SHALL BE BONDED TO THE #6 REBAR STUBBED THROUGH THE FLOOR FOUNDATION. SIZE BONDING JUMPER PER NEC 250-66.

1 GROUNDING ELECTRODE SYSTEM (TYP)
NO SCALE



BRANCH PANEL: MF

LOCATION: ELEC. D110
SUPPLY FROM: MSB
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 480/277 WYE
PHASES: 3
WIRES: 4
GROUND & NEUTRAL: YES & 100%

S.C.C.R. RATING: 35kA
MAINS TYPE: MCB
MAINS RATING: 200 A
BUSS RATING: 250 A

NOTES:

| KEY | CKT | CIRCUIT DESCRIPTION | TRIP | POLES | A | B | C | POLES | TRIP | CIRCUIT DESCRIPTION | CKT | KEY |
|--------------------|-----|-----------------------------------|------|-------|----------|----------|----------|-------|------|---------------------|---------|-----|
| | 1 | T6-4 | 25 A | 1 | 5568 | 4978 | | | | | | 2 |
| | 3 | LGT - TYPE D2 AND OFFICES - SOUTH | 20 A | 1 | | 1346 | 4978 | | | 25 A | SPAC-11 | 4 |
| | 5 | LGT - TYPE T AND NORTH OFFICES | 20 A | 1 | | | 1407 | 4978 | | | | 6 |
| | 7 | LGT S- COVE LIGHTING | 20 A | 1 | 2465 | 0 | | | | | | 8 |
| | 9 | | | | | 6863 | 0 | | | 30 A | SPARE | 10 |
| | 11 | T-6 | 50 A | 3 | | | 5604 | 0 | | | | 12 |
| | 13 | | | | 5063 | 0 | | | | | | 14 |
| | 15 | T6-10 | 15 A | 1 | | 1108 | 0 | | | 20 A | SPARE | 16 |
| | 17 | T6-11 | 15 A | 1 | | | 2216 | 0 | | | | 18 |
| | 19 | T6-12 | 15 A | 1 | 1108 | 0 | | | | 15 A | SPARE | 20 |
| | 21 | T7-3 | 15 A | 1 | | 3324 | 0 | | | 15 A | SPARE | 22 |
| | 23 | T7-4 | 20 A | 1 | | | 3878 | 0 | | 15 A | SPARE | 24 |
| | 25 | | | | 4978 | 0 | | | | 20 A | SPARE | 26 |
| | 27 | SPAC-8 | 25 A | 3 | | 4978 | 0 | | | 20 A | SPARE | 28 |
| | 29 | | | | | | 4978 | 0 | | 20 A | SPARE | 30 |
| | 31 | | | | 4978 | 0 | | | | | | 32 |
| | 33 | SPAC-9 | 25 A | 3 | | 4978 | 0 | | | 20 A | SPARE | 34 |
| | 35 | | | | | | 4978 | 0 | | | | 36 |
| | 37 | | | | 4978 | 0 | | | | | | 38 |
| | 39 | SPAC-10 | 25 A | 3 | | 4978 | 0 | | | 60 A | SPD | 40 |
| | 41 | | | | | | 4978 | 0 | | | | 42 |
| TOTAL LOAD: | | | | | 34000 VA | 32526 VA | 33015 VA | | | | | |
| TOTAL AMPS: | | | | | 123 A | 117 A | 119 A | | | | | |

KEY: A = HACR; C = THRU CONTACTOR; E = EXISTING BREAKER; G = GFCCI; H = HANDLE LOCK; I = ISOLATED GROUND; P = PADLOCK HASP; S = SHUNT TRIP

| LOAD CLASSIFICATIONS | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS |
|----------------------|----------------|---------------|------------------|--|
| Fans | 24 VA | 125.00% | 30 VA | |
| Lights | 5172 VA | 125.00% | 6466 VA | |
| Receptacle | 14220 VA | 85.16% | 12110 VA | TOTAL CONN. LOAD: 99537 VA |
| Heat | 17202 VA | 108.09% | 18594 VA | TOTAL DEMAND LOAD: 103827 VA |
| Cool | 63018 VA | 105.92% | 66751 VA | TOTAL DESIGN LOAD: 105444 VA |
| | | | | NON-COINCIDENTAL HVAC CURRENT: 22 A |
| | | | | TOTAL CONN. CURRENT: 120 A |
| | | | | TOTAL DEMAND CURRENT: 125 A |
| | | | | TOTAL DESIGN CURRENT: 103 A |

BRANCH PANEL: EHMFL

LOCATION: ELEC. D110
SUPPLY FROM: MSB
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 480/277 WYE
PHASES: 3
WIRES: 4
GROUND & NEUTRAL: YES & 100%

S.C.C.R. RATING: 35kA
MAINS TYPE: MCB
MAINS RATING: 125 A
BUSS RATING: 125A

NOTES:

| KEY | CKT | CIRCUIT DESCRIPTION | TRIP | POLES | A | B | C | POLES | TRIP | CIRCUIT DESCRIPTION | CKT | KEY |
|--------------------|-----|----------------------------------|-------|-------|----------|----------|----------|-------|------|---------------------|------|-------|
| | 1 | CHECKPOINT LGT - TYPE D1 | 20 A | 1 | 2213 | -- | | | | 1 | -- | SPACE |
| | 3 | CHECKPOINT LGT - TYPE J PENDANTS | 20 A | 1 | | 549 | -- | | | 1 | -- | SPACE |
| | 5 | INV | 20 A | 1 | | | 725 | -- | | 1 | -- | SPACE |
| | 7 | | | | 19077 | -- | | | | 1 | -- | SPACE |
| | 9 | T-5 | 125 A | 3 | | 18337 | -- | | | 1 | -- | SPACE |
| | 11 | | | | | | 18427 | -- | | 1 | -- | SPACE |
| | 13 | SPARE | 20 A | 1 | 0 | -- | | | | 1 | -- | SPACE |
| | 15 | SPARE | 20 A | 1 | | 0 | -- | | | 1 | -- | SPACE |
| | 17 | SPARE | 20 A | 1 | | | 0 | -- | | 1 | -- | SPACE |
| | 19 | | | | 0 | -- | | | | 1 | -- | SPACE |
| | 21 | SPARE | 20 A | 3 | | 0 | -- | | | 1 | -- | SPACE |
| | 23 | | | | | | 0 | -- | | 1 | -- | SPACE |
| | 25 | | | | 0 | 0 | | | | | | 26 |
| | 27 | SPARE | 30 A | 3 | | 0 | 0 | | | 3 | 60 A | SPD |
| | 29 | | | | | | 0 | 0 | | | | 28 |
| TOTAL LOAD: | | | | | 21190 VA | 18886 VA | 19152 VA | | | | | |
| TOTAL AMPS: | | | | | 77 A | 68 A | 69 A | | | | | |

KEY: A = HACR; C = THRU CONTACTOR; E = EXISTING BREAKER; G = GFCCI; H = HANDLE LOCK; I = ISOLATED GROUND; P = PADLOCK HASP; S = SHUNT TRIP

| LOAD CLASSIFICATIONS | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS |
|----------------------|----------------|---------------|------------------|---|
| Lights | 2739 VA | 125.00% | 3424 VA | |
| Receptacle | 53440 VA | 59.36% | 31720 VA | TOTAL CONN. LOAD: 58495 VA |
| Power | 2400 VA | 100.00% | 2400 VA | TOTAL DEMAND LOAD: 37444 VA |
| | | | | TOTAL DESIGN LOAD: 38300 VA |
| | | | | NON-COINCIDENTAL HVAC CURRENT: 0 A |
| | | | | TOTAL CONN. CURRENT: 70 A |
| | | | | TOTAL DEMAND CURRENT: 45 A |
| | | | | TOTAL DESIGN CURRENT: 45 A |

BRANCH PANEL: MFL

LOCATION: ELEC. D110
SUPPLY FROM: T-6
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 WYE
PHASES: 3
WIRES: 4
GROUND & NEUTRAL: YES & 100%

S.C.C.R. RATING: 10kA
MAINS TYPE: MCB
MAINS RATING: 100 A
BUSS RATING: 100 A

NOTES:

| KEY | CKT | CIRCUIT DESCRIPTION | TRIP | POLES | A | B | C | POLES | TRIP | CIRCUIT DESCRIPTION | CKT | KEY |
|--------------------|-----|----------------------------|------|-------|---------|---------|---------|-------|------|---------------------|-----------------------|-----|
| | 1 | GENERAL CIRCULATION RECEPS | 20 A | 1 | 900 | 720 | | | | 20 A | MECH EQ RECEPS (ROOF) | 2 |
| | 3 | RM B150 OFFICE RECEPS | 20 A | 1 | | 1080 | 24 | | | 15 A | EF-1 | 4 |
| | 5 | RM B152 OFFICE RECEP | 20 A | 1 | | | 1080 | 180 | | 20 A | ELEC ROOM RECEP | 6 |
| | 7 | GENERAL CIRCULATION RECEPS | 20 A | 1 | 900 | 0 | | | | 20 A | SPARE | 8 |
| | 9 | RM B155 RECEPS | 20 A | 1 | | 540 | 0 | | | 20 A | SPARE | 10 |
| | 11 | TSA WORKSTATIONS | 20 A | 1 | | | 360 | 0 | | 20 A | SPARE | 12 |
| | 13 | TSA WORKSTATIONS | 20 A | 1 | 360 | 0 | | | | 20 A | SPARE | 14 |
| | 15 | GENERAL CIRCULATION RECEPS | 20 A | 1 | | 900 | 0 | | | 20 A | SPARE | 16 |
| | 17 | RM D112 RECEPS | 20 A | 1 | | | 720 | 0 | | 20 A | SPARE | 18 |
| | 19 | RM D112 RECEPS | 20 A | 1 | 720 | 0 | | | | 20 A | SPARE | 20 |
| | 21 | RM D112 TABLE RECEPS | 20 A | 1 | | 1080 | 0 | | | 20 A | SPARE | 22 |
| | 23 | | | | | | 1643 | 0 | | 20 A | SPARE | 24 |
| | 25 | OHP/IHP-1 | 20 A | 2 | 1643 | 0 | | | | 20 A | SPARE | 26 |
| | 27 | RM D112 SCREEN | 20 A | 1 | | 720 | 0 | | | 20 A | SPARE | 28 |
| | 29 | RM D106 EWC | 20 A | 1 | | | 180 | 0 | | 20 A | SPARE | 30 |
| | 31 | RM D106 REFER | 20 A | 1 | 540 | 0 | | | | 20 A | SPARE | 32 |
| | 33 | RM D106 RECEPS | 20 A | 1 | | 180 | 0 | | | 20 A | SPARE | 34 |
| | 35 | RM D106 RECEP | 20 A | 1 | | | 180 | 0 | | 20 A | SPARE | 36 |
| | 37 | RM D106 VENDING | 20 A | 1 | 1080 | 0 | | | | 20 A | SPARE | 38 |
| | 39 | RM D106 VENDING | 20 A | 1 | | 1080 | 0 | | | 20 A | SPARE | 40 |
| | 41 | RM D106 RECEPS | 20 A | 1 | | | 720 | 0 | | 20 A | SPARE | 42 |
| TOTAL LOAD: | | | | | 6863 VA | 5604 VA | 5063 VA | | | | | |
| TOTAL AMPS: | | | | | 58 A | 47 A | 42 A | | | | | |

KEY: A = HACR; C = THRU CONTACTOR; E = EXISTING BREAKER; G = GFCCI; H = HANDLE LOCK; I = ISOLATED GROUND; P = PADLOCK HASP; S = SHUNT TRIP

| LOAD CLASSIFICATIONS | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS |
|----------------------|----------------|---------------|------------------|---|
| Fans | 24 VA | 125.00% | 30 VA | |
| Receptacle | 14220 VA | 85.16% | 12110 VA | TOTAL CONN. LOAD: 17530 VA |
| Cool | 3286 VA | 125.00% | 4108 VA | TOTAL DEMAND LOAD: 16248 VA |
| | | | | TOTAL DESIGN LOAD: 16248 VA |
| | | | | NON-COINCIDENTAL HVAC CURRENT: 0 A |
| | | | | TOTAL CONN. CURRENT: 49 A |
| | | | | TOTAL DEMAND CURRENT: 45 A |
| | | | | TOTAL DESIGN CURRENT: 45 A |

BRANCH PANEL: EHMFL

LOCATION: ELEC. D110
SUPPLY FROM: T-5
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 WYE
PHASES: 3
WIRES: 4
GROUND & NEUTRAL: YES & 100%

S.C.C.R. RATING: 10kA
MAINS TYPE: MCB
MAINS RATING: 300 A
BUSS RATING: 400 A

NOTES:
1. CIRCUIT BREAKER FOR FUTURE LOAD - DO NOT PULL WIRES, INCLUDE NAMES IN PANEL DIRECTORY PROVIDE EXTENDED GUTTER SPACE

| KEY | CKT | CIRCUIT DESCRIPTION | TRIP | POLES | A | B | C | POLES | TRIP | CIRCUIT DESCRIPTION | CKT | KEY |
|-----|-----|-----------------------|-------------------|-------|------|------|------|-------|------|---------------------|------------------------|-------------------------------|
| | 1 | RM B153 TESTING RECEP | 20 A | 1 | 720 | 1345 | | | | 2 | 20 A | TSA LANE 1 CT SCANNER |
| | 3 | RFF3 | 20 A | 1 | | 1200 | 1345 | | | 20 A | TSA LANE 1 CONVEY/ETD | |
| | 5 | RFF3 | 20 A | 1 | | | 1200 | 1200 | | 20 A | TSA LANE 2 WTMD | |
| | 7 | RM B154 WORKSTATION | 20 A | 1 | 360 | 540 | | | | 20 A | TSA LANE 1 WTMD | |
| | 9 | RM B154 WORKSTATION | 20 A | 1 | | 360 | 540 | | | 20 A | SPARE | |
| | 11 | RM B154 WORKSTATION | 20 A | 1 | | | 360 | 0 | | 20 A | SPARE | |
| | 13 | RM B154 WORKSTATION | 20 A | 1 | 180 | 1920 | | | | 20 A | TSA LANE 1 AIT | |
| | 15 | PSR - RECEP 2 | 20 A | 1 | | 540 | 560 | | | 20 A | TSA LANE 2 ETD | |
| | 17 | PSR - RECEP 1 | 20 A | 1 | | | 540 | 560 | | 20 A | TSA LANE 1 ETD | |
| | 19 | DURESS ALARM | 20 A | 1 | 540 | 560 | | | | 20 A | TSA LANE 2 PVS | |
| | 21 | KRONOS TIMECLOCK | 20 A | 1 | | 540 | 560 | | | 20 A | TSA LANE 1 PVS | |
| | 23 | TSA IT RACK | 30 A | 2 | | | 2400 | 180 | | 20 A | TSA LANE 1 RECEP | |
| | 25 | | | | 2400 | 180 | | | | 20 A | TSA LANE 2 RECEP | |
| | 27 | TSA IT ROOM RECEP | 20 A | 1 | | 180 | 560 | | | 20 A | TSA LANE 2 AVS | |
| | 29 | TSA IT ROOM RECEP | 20 A | 1 | | | 180 | 1080 | | 20 A | TSA LANE 2 POWER STRIP | |
| | 31 | TSA IT ROOM RECEP | 20 A | 1 | 900 | 560 | | | | 20 A | TSA LANE 1 AVS | |
| | 33 | TSA LANE 2 TDC | 20 A | 1 | | 2000 | 1080 | | | 20 A | TSA LANE 1 POWER STRIP | |
| | 35 | TSA LANE 1 TDC | 20 A | 1 | | | 2000 | 7527 | | | | |
| | 37 | TSA LANE 2 CT SCANNER | 20 A | 2 | 1345 | 7527 | | | | 3 | 20 A | LANE 3 AND 4 LOAD PLACEHOLDER |
| | 39 | | | | | 1345 | 7527 | | | | | |
| | 41 | TSA LANE 2 CONVEY/ETD | 20 A | 1 | | | 1200 | 0 | | 20 A | LANE 3 WTMD | |
| | 1 | 43 | LANE 3 TDC | 20 A | 1 | 0 | 0 | | | 20 A | LANE 4 WTMD | |
| | 1 | 45 | LANE 4 TDC | 20 A | 1 | | 0 | 0 | | 20 A | LANE 3 AIT | |
| | 1 | 47 | LANE 3 CT SCANNER | 20 A | 2 | | | 0 | 0 | 20 A | LANE 4 AIT | |
| | 1 | 49 | | | 0 | 0 | | | | 20 A | LANE 3 ETD | |
| | 1 | 51 | LANE 4 CT SCANNER | 20 A | 2 | | 0 | 0 | | 20 A | LANE 4 E | |



| LUMINAIRE SCHEDULE | | | | | | | | | | | |
|--------------------|--------------|--|---|------------|---------|----------|-------------|---------------|--------------------------------|--------------------------|-------------|
| DES | MANUFACTURER | CATALOG NUMBER | DESCRIPTION | LED DATA | VOLTAGE | MOUNTING | DRIVER TYPE | Apparent Load | LUMENS | ACCEPTACLE MANUFACTURERS | KEYED NOTES |
| A1 | COOPER | RX-WO-34H-8-40-UNV-22-T1-STD | 2X2 TROFFER, ROUND OPAL SMOOTH LENS, LAY-IN GRID 0-10V DIMMING | LED, 4000K | 277 V | R | | 25 VA | 3,181 | LITHONIA, GOTHAM, ACUITY | |
| A2 | COOPER | SQ4R-F-075D-840-1-D-UNV-STD-W-T1-8 | 5" X 8" GRID MOUNTED LINEAR RECESSED DIRECT LED WITH FROSTED LENS | LED, 4000K | 277 V | R | | 63 VA | 5,968 | LITHONIA, GOTHAM, ACUITY | |
| C1 | COOPER | GRZ-15L-940-30X60-ID-UNV-S-ADJ-STD | LED ADJUSTABLE COVE LIGHT, 30X60 DEGREE OPTICAL WALL WASH DISTRIBUTION, ADJUSTABLE MOUNTING | LED, 4000K | 277 V | CV | | VARIES | 1,500LM/FT | LITHONIA, GOTHAM, ACUITY | |
| C2 | COOPER | GRZ-05L-940-30X60-ID-UNV-S-ADJ-STD | LED ADJUSTABLE COVE LIGHT, 30X60 DEGREE OPTICAL WALL WASH DISTRIBUTION, ADJUSTABLE MOUNTING | LED, 4000K | 277 V | CV | | 275 VA | 500LM/FT | LITHONIA, GOTHAM, ACUITY | |
| D1 | GOTHAM | EVO6 40/30 AR WD LSS MVOLT EZ10 | 6" DIAMETER LED DOWNLIGHT, 3000 LUMENS, WIDE DISTRIBUTION W/SEMI-SPECULAR FINISH, 4000K, 0-10V DIMMING TO 10% | LED, 4000K | 277 V | R | | 30 VA | 3,077 | LITHONIA, COOPER, ACUITY | |
| D2 | GOTHAM | EVO6 40/20 AR WD LSS MVOLT EZ10 | 6" DIAMETER LED DOWNLIGHT, 2000 LUMENS, WIDE DISTRIBUTION W/SEMI-SPECULAR FINISH, 4000K, 0-10V DIMMING TO 10% | LED, 4000K | 277 V | R | | 20 VA | 2,006 | LITHONIA, COOPER, ACUITY | |
| J1 | ALW | MR3-D5-SS-HI-90-4000K-V01-LENS-N-N-N-S-W-UNV-EMB-N | 60" DIAMETER LED DIRECT PENDANT, 90 CRI, 4000K, 0-10V DIMMING TO 1%, 3"X3" WALL WITH INTEGRAL BATTERY BACKUP | LED, 4000K | 277 V | P | | 183 VA | 17,700 | NO APPROVED EQUALS | |
| K1 | COOPER | S124DIW-H-575D-470U-8-40-12FO-1-U-DD-F-1-W | 12'-0" LINEAR WALL MOUNT DIRECT/INDIRECT, 4" WIDE HOUSING, 5" DEEP, WHITE FINISH, STANDARD LENS | LED, 4000K | 277 V | W | | 125 VA | 575 DIRECT, 470 INDIRECT LM/FT | LITHONIA, GOTHAM, ACUITY | |
| M1 | COOPER | 4VT2-LD5-6-DR-UNV-L840-CD1-WL | CHAIN HUNG, INDUSTRIAL GASKETED LINEAR | LED, 4000K | 277 V | P | | 51 VA | 6000 | LITHONIA, GOTHAM, ACUITY | |
| M2 | COOPER | S122DIP-H-675D-530U-8-40-C4-JB-8FO-1-U-DD-W-4-W | PENDANT HUNG LINEAR DIRECT/INDIRECT, 2" WIDE X 8' WITH WALL WASH DOWN SHIELD AND WIDESPREAD UP SHIELDING | LED, 4000K | 277 V | P | | 80 VA | 675 DIRECT, 530 INDIRECT LM/FT | LITHONIA, GOTHAM, ACUITY | 1 |
| T | OCL | H01-S1SA-24-MW-MWP-LED1-40K-UNV-DM1 | VERTICALLY INSTALLED, 24" WALL MOUNTED SCONCE, MATTE WHITE DIFFUSER, MATTE WHITE FINISH | LED, 4000K | 277 V | W | | 35 VA | 2050 | NO APPROVED EQUALS | |
| X1 | COOPER | SCX-6-0-R | EDGE LIT, UNIVERSAL MOUNT, RED LETTERING EXIT SIGN, AC POWER ONLY | W/ UNIT | 277 V | VARIES | | 2 VA | - | LITHONIA, GOTHAM, ACUITY | |

KEYED NOTES:

- SEE DRAWING E-121, FURNISH ONE FIXTURE OF THIS TYPE WITH INTEGRAL GENERATOR TRANSFER DEVICE (GTD)

| LIGHTING CONTROL DESIGN INTENT | | | | | |
|--------------------------------|--------------------|---|---------------------------|---|-------------|
| AREA DESIGNATION | LIGHT FIXTURE TYPE | SWITCHING DEVICE | SWITCHING DEVICE LOCATION | OPERATIONAL INTENT | KEYED NOTES |
| A | A1, M1, D1 | 2-BUTTON ON/OFF + DIMMING, CEILING OCCUPANCY SENSOR | LOCAL | LOCAL DIMMING BY MANUAL INTERACTION. UPON SENSING MOTION, TURN LIGHTS. LIGHT LEVEL SHALL BE RETURNED TO THE LAST DIM PERCENTAGE SETTING OF THE ROOM PRIOR TO AUTOMATICALLY OR MANUALLY BEING SHUT OFF. UPON 20 MINUTES OF NO MOTION DETECTED, TURN LIGHTS OFF. | |
| B | A1, M1, D1 | LINE VOLTAGE SWITCH WITH OCCUPANCY SENSOR | LOCAL | AUTOMATIC ON, AUTOMATIC OFF AFTER 10 MINUTES OF VACANCY | |
| C | T, C1, J1, D1, D2 | LOW VOLTAGE SWITCH STATION | LOCAL | TIME OF DAY BASIS PROGRAMMING. EACH LIGHT TYPE SHALL BE PROVIDED WITH THE ABILITY TO DIM FIXTURES AS A GROUP. ALL FIXTURES OF THE SAME LIGHT TYPE SHALL BE DIMMABLE AS A GROUP. DIM SETTINGS OF EACH FIXTURE GROUP SHALL BE SAVED AND RETURN TO THE SAME LIGHT LEVEL PREVIOUSLY SET AFTER ANY AUTOMATIC OR MANUAL OPERATION OF THE LIGHTS. CONTROL STATION SHALL BE PROVIDED WITH A MANUAL OVERRIDE. ACTUATION OF THE OVERRIDE SHALL TURN LIGHTS ON, OR KEEP LIGHTS ON FOR ONE (1) HOUR. TIMER SHALL START UPON ACTIVATION OF THE OVERRIDE. TIMER SHALL RESET BACK TO AN HOUR IF THE OVERRIDE IS ACTUATED AGAIN BEFORE THE TIMER RUNS OUT. CONTROL STATION SHALL ACCOMMODATE FOUR (4) PRESET SCENES. ALL LIGHTS TO 50%, ALL LIGHTS TO 100%, ALL LIGHTS OFF AND ONE SCENE DETERMINED BY THE OWNER. | |
| D | A2 | 4-BUTTON + DIMMING, CEILING OCCUPANCY SENSOR | LOCAL | CONTROL STATION SHALL CONSIST OF ON, OFF AND 2 PRESET SCENES. SCENE 1 SHALL DIM (2) FIXTURES ON SWITCH LEG a TO 10%, SWITCH LEG b DIM TO 80%. SCENE 2 SHALL BE DETERMINED BY OWNER | |

GENERAL NOTES:

- FOR ZONES CONTROLLED USING TIME OF DAY BASIS, MATCH HOURS OF OPERATION FOR ON/OFF CONTROLS WITH EXISTING LIGHTING CONTROL SYSTEM.
- PROVIDE ROOM CONTROLLERS WITH INTEGRAL TIME CLOCK QUANTITY AS REQUIRED TO MEET PERFORMANCE REQUIREMENTS. ROOM CONTROLLERS SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
- ALL PROGRAMMING SHALL BE COORDINATED WITH THE EXISTING LIGHTING CONTROL SYSTEM. IN LIEU OF ROOM CONTROLLERS, IF ADEQUATE SPARE CAPACITY EXISTING IN THE RELAY PANEL, THE CONTRACTOR MAY PROVIDE RELAY CONTROLS TO MEET DESIGN INTENT.
- ALL LIGHTS DESIGNATED AS "EMERGENCY" SHALL BE WIRED WITH AN UNSWITCHED HOT CONDUCTOR FOR POWER TRANSFER TO INTEGRAL BATTERY

ABBREVIATIONS:
LVx - LOW VOLTAGE SWITCH (x=SWITCH NUMBER)
PE - EXTERIOR PHOTO EYE
DS - DAYLIGHT SENSOR
OS - OCCUPANCY SENSOR
TS - TIME SCHEDULE BY CONTROL PANEL
S - STANDARD LINE VOLTAGE SWITCH

| INVERTER SCHEDULE | | | | | | | | | | |
|-------------------|---------------|----------|----------|---------------|--------------|--------------|---------|-----------------|--------------------------------|----------|
| TAG | MANUFAC TURER | INPUT | OUTPUT | UNIT CAPACITY | POWER FACTOR | LOAD TYPE | LISTING | OUTPUT CIRCUITS | MAX TRANSFER TIME - NORM TO EM | MOUNTING |
| INV | MEYER | 277V/1PH | 277V/1PH | 1100VA | 90% | LED LIGHTING | UL 924 | 3 @ 277V, 20A | 2-4 MS | WALL |

ELECTRICAL EQUIPMENT WIRING SCHEDULE

| STARTER/TYPE: | DISCONNECT TYPE | ACCESSORIES (ACC): |
|---|---|--|
| MS - MANUAL MOTOR STARTER (W/OVERLOAD RELAYS) | F-FUSED | SA-STANDARD ACCESSORIES (INCLUDES **ITEMS) |
| MX - MANUAL MOTOR SWITCH | N- NON-FUSED | **AUX-TWO CONVERTIBLE AUXILIARY CONTACTS |
| S - ENCLOSED FULL VOLTAGE MAGNETIC CONTROLLER | FS-BUSS FUSESTAT-TYPE SSS | **CT-CONTROL TRANSFORMER FUSED 120V |
| CS - COMBINATION FULL VOLTAGE MAGNETIC CONTROLLER | CB-ENCLOSED CIRCUIT BREAKER | **EO-ELECTRONIC OVERLOADS (SOLID-STATE) |
| RE - ENCLOSED REDUCED-VOLTAGE CONTROLLER | EFD-ELEVATOR FUSED DISCONNECT (SEE SPECIFICATION) | **HA-HAND-OFF-AUTO SWITCH IN DOOR |
| RE - COMBINATION REDUCED-VOLTAGE CONTROLLER | | **PL-PILOT LIGHT(RED) IN DOOR |
| TW - MULTI 2 SPEED, 2 WINDING | | |
| SW - MULTI 2 SPEED, 1 WINDING | | |
| VFD - VARIABLE FREQUENCY DRIVE | | |
| SS - REDUCED VOLTAGE, SOLID STATE (SOFT START) | | |
| RV - REDUCED VOLTAGE(AUTOXFMR) | | |
| YD - WYE-DELTA | | |
| FHP - INTERGAL HORSEPOWER MANUAL CONTROLLER | | |
| ECM - ELECTRONICALLY COMMUTATED MOTOR | | |
| | | PF-PHASE FAILURE RELAY |
| | | TO-THERMAL OVERLOAD RELAYS |
| | | FA-4-CONVERTIBLE AUXILIARY CONTACTS |
| | | GFP-CLASS II GROUND FAULT PROTECTION |
| | | DC-DIGITAL COMMUNICATION MODULE |
| | | TS- 2-SPEED SELECTOR SWITCH IN DOOR |
| | | EI-ELECTRICAL INTERLOCK (2) N.O. & (2) N.C |
| | | SS-START-STOP PUSHBUTTON IN DOOR |
| | | SN-SOLID NEUTRAL |
| | | ST- SHUNT TRIP |
| | | GP- GREEN (OFF) PILOT LIGHT IN DOOR |
| | | ISG- ISOLATED GROUND KIT |
| | | M-METER |

| EQUIPMENT | EQUIPMENT DESCRIPTION | LOCATION | LOAD | | | | | | BRANCH WIRING | | | | STARTER | | | | DISCONNECT TYPE AND RATING | | | NEMA ENCLOSURE | KEYED NOTE(S) | | | | | | |
|------------|-------------------------------|-----------|------|----|------------|------------|-------------|-------|---------------|-----|------|------|---------|------|-----------|-------------------------|----------------------------|------|------|----------------|---------------|---------------|-------------------------|---|---|---|---|
| | | | KW | HP | FLA (AMPS) | MCA (AMPS) | MOCP (AMPS) | VOLTS | PHASE | NO. | SIZE | GND. | C | TYPE | NEMA SIZE | FURNISHED/ INSTALLED BY | NEMA ENCLOSURE | ACC. | TYPE | | | RATING / FUSE | FURNISHED/ INSTALLED BY | | | | |
| AVS | SCREENING EQUIPMENT | B156 | 1.2 | - | 11.1 | 13.3 | 20 | 120 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CONVEYOR | BAG BELT CONVEYOR | B156 | 1.2 | - | 11.1 | 13.3 | 20 | 120 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CT SCANNER | BAGGAGE SCANNER | B156 | 2.69 | - | 10.2 | 12.2 | 20 | 208 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DURESS | DURESS ALARM | B156 | 0.54 | - | 5 | 6 | 20 | 120 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| EF-1 | EXHAUST FAN | D110 | 0.02 | - | 0.2 | 0.2 | 15 | 120 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | MX | 20 / - | EC / EC | 1 | - | - | - | - | - |
| ETD | EXPLOSIVE TRACE DETECTOR | B156 | 0.56 | - | 5.2 | 6.2 | 20 | 120 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KRONOS | KRONOS TIME CLOCK | B156 | 0.54 | - | 5 | 6 | 20 | 120 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| OHP/IHP-1 | MINI-SPLIT FOR IT CLOSET | ROOF/D113 | - | - | 15.8 | 19 | 20 | 208 | 1 | 2 | 12 | 12 | 3/4" | - | - | - | - | - | NF | 30 / - | EC / EC | 3R | - | - | - | - | - |
| PSR | PRIVATE SCREENING ROOM RECEPS | B155 | 0.54 | - | 5 | 6 | 20 | 120 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PVS | PRIMARY VIEWING STATION | B156 | 0.56 | - | 5.2 | 6.2 | 20 | 120 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| RFF3 | REVERSE FLIP FLOW | B102 | 1.2 | - | 11.1 | 13.3 | 20 | 120 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| SPAC-10 | ROOFTOP UNIT | ROOF | - | - | 18.3 | 22 | 25 | 480 | 3 | 4 | 10 | 10 | 3/4" | - | - | - | - | - | MFR | - | - | - | - | - | - | - | 2 |
| SPAC-11 | ROOFTOP UNIT | ROOF | - | - | 18.3 | 22 | 25 | 480 | 3 | 4 | 10 | 10 | 3/4" | - | - | - | - | - | MFR | - | - | - | - | - | - | - | 2 |
| SPAC-8 | ROOFTOP UNIT | ROOF | - | - | 18.3 | 22 | 25 | 480 | 3 | 4 | 10 | 10 | 3/4" | - | - | - | - | - | MFR | - | - | - | - | - | - | - | 2 |
| SPAC-9 | ROOFTOP UNIT | ROOF | - | - | 18.3 | 22 | 25 | 480 | 3 | 4 | 10 | 10 | 3/4" | - | - | - | - | - | MFR | - | - | - | - | - | - | - | 2 |
| T6-10 | VAV BOX | B151 | 1 | - | 4 | 4.8 | 15 | 277 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | MFR | - | - | - | - | - | - | - | - |
| T6-11 | VAV BOX | B153 | 2 | - | 8 | 9.6 | 15 | 277 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | MFR | - | - | - | - | - | - | - | - |
| T6-12 | VAV BOX | B154 | 1 | - | 4 | 4.8 | 15 | 277 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | MFR | - | - | - | - | - | - | - | - |
| T6-4 | VAV BOX | B110 | 5 | - | 20.1 | 24.1 | 25 | 277 | 1 | 2 | 10 | 10 | 3/4" | - | - | - | - | - | MFR | - | - | - | - | - | - | - | - |
| T7-3 | VAV BOX | D112 | 3 | - | 12 | 14.4 | 15 | 277 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | MFR | - | - | - | - | - | - | - | - |
| T7-4 | VAV BOX | D106 | 3.5 | - | 14 | 16.8 | 20 | 277 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | MFR | - | - | - | - | - | - | - | - |
| TDC | TRAVEL DOCUMENT CHECKER | B156 | 1 | - | 9.3 | 11.2 | 20 | 120 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| WTMD | WALK THROUGH METAL DETECTOR | B156 | 0.18 | - | 1.7 | 2 | 20 | 120 | 1 | 2 | 12 | 12 | 1/2" | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

EQUIPMENT SCHEDULE GENERAL NOTES:

- ALL WORK BY THIS CONTRACTOR TO COMPLY WITH ALL LOCAL, STATE AND NATIONAL ELECTRICAL CODES.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO AVOID CONFLICTS AND TO VERIFY ALL EQUIPMENT CONNECTIONS FOR COMPLETE INSTALLATION.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE ELECTRICAL SYSTEM PER CONTRACT DRAWINGS AND ENSURING THAT THE SYSTEM IS OPERATIONAL UPON JOB COMPLETION.
- PROVIDE ALL POWER WIRING INCLUDING ALL CIRCUITRY CARRYING ELECTRICAL ENERGY FROM PANELBOARD OR OTHER SOURCE THROUGH STARTERS AND DISCONNECTS TO MOTORS, PACKAGED EQUIPMENT OR PACKAGED CONTROL PANELS. PROVIDE ALL WIRING BETWEEN CONTROL PANELS AND MOTORS. INCLUDE STARTERS, DISCONNECTS AND OVERLOAD PROTECTION IF NOT INCLUDED IN DIVISION 22 OR 23 SPECIFICATIONS. COORDINATE WITH ALL DIVISION 22 AND 23 SPECIFICATIONS.
- MOTORS CONNECTED TO EMERGENCY SYSTEMS. BRANCH CIRCUIT WIRING SHALL BE INSTALLED IN SEPARATE RACEWAY PER NEC ARTICLE 700.
- THIS CONTRACTOR SHALL VERIFY WITH MECHANICAL CONTRACTOR, ELECTRICAL REQUIREMENTS INCLUDING VOLTAGES, HORSE POWER, DISCONNECTING MEANS, STARTERS FOR MOTORS AND EQUIPMENT PRIOR TO ORDERING CIRCUIT BREAKERS, FUSIBLE SWITCHES AND STARTERS.
- ALL INTERLOCKING REQUIRED BY THE DRIVE MANUFACTURER BETWEEN THE VARIABLE FREQUENCY DRIVE AND THE DISCONNECT SWITCHES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- THIS CONTRACTOR SHALL PROVIDE ALL BRANCH CIRCUIT POWER WIRING BETWEEN NEW PACKAGED OUTDOOR AIR COOLED CONDENSING UNIT (ACCU) AND INDOOR FAN COIL UNIT (FCU) AS SHOWN ON FLOOR PLANS. THE TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING IN A SEPARATE CONDUIT BETWEEN THE OUTDOOR AND INDOOR UNITS AS REQUIRED BY THE SPECIFIC MANUFACTURER'S INSTALLATION WIRING DIAGRAMS .

EQUIPMENT SCHEDULE KEYED NOTES:

- COORDINATE POWER REQUIREMENTS WITH SHOP DRAWINGS. BID SHALL ASSUME CONNECTION TO EQUIPMENT, LIGHTS, ALARMS, ETC. FURNISH MANUFACTURER RECOMMENDED DISCONNECT OR PLUGSET AS REQUIRED
- 120VAC CIRCUIT INDICATED TO BE WIRED TO UNIT MAINTENANCE RECEPTACLE FURNISHED WITH UNIT. ROUTE ALL RACEWAYS THROUGH UNIT BASE FACTORY OPENING IF PRESENT.
- PROVIDE MANUFACTURER RECOMMENDED WIRING BETWEEN CONDENSER AND EVAPORATOR (IN IT ROOM)

ISSUED
09/13/24 BID SET



NOT FOR CONSTRUCTION

MAH NO.: 0119700-231215.02
DATE: 09/13/2024
DESIGNED BY: RJV
DRAWN BY: RJV
CHECKED BY: JRH

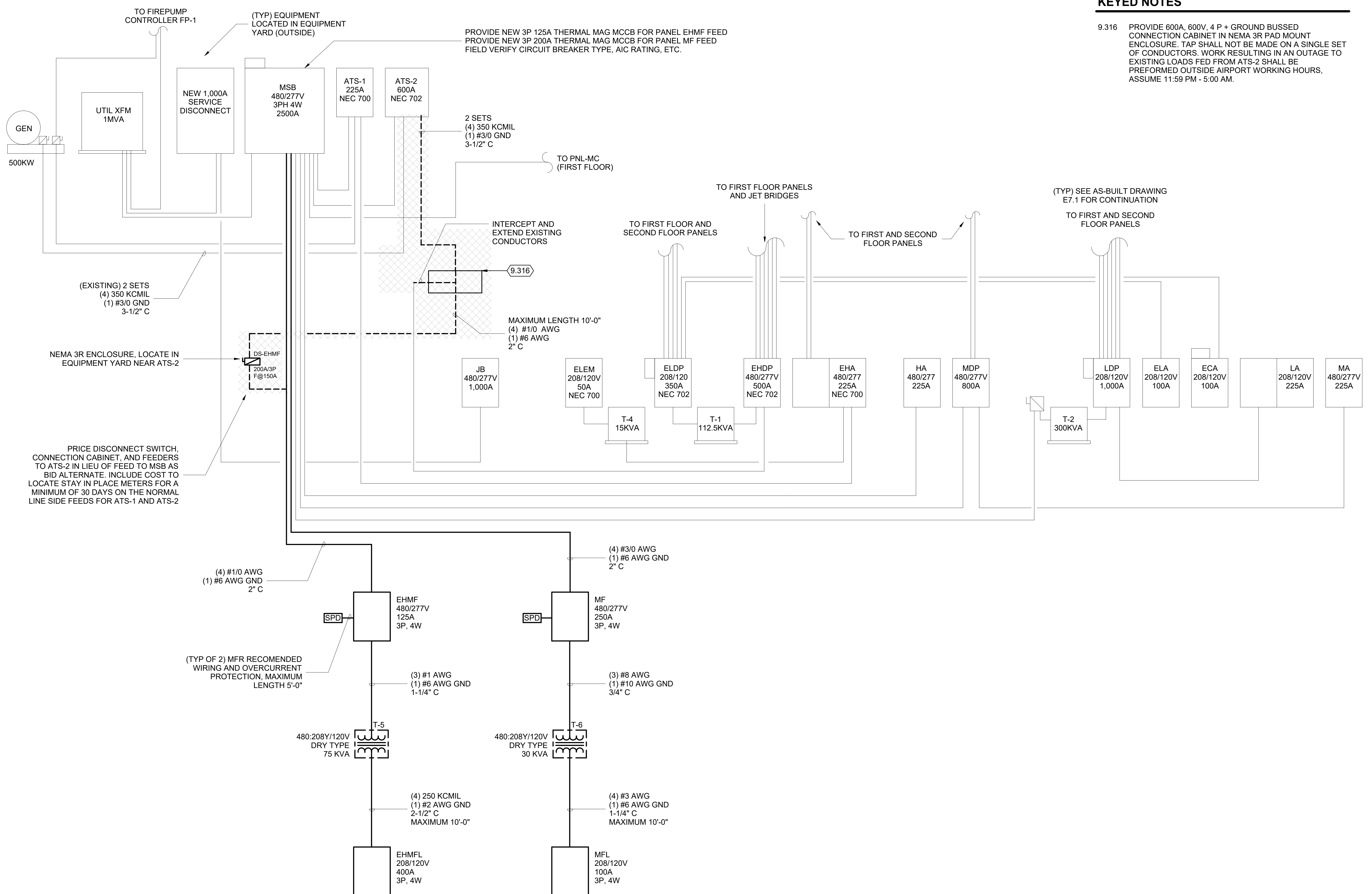
DO NOT SCALE DRAWINGS
SHEET CONTENTS
SCHEDULES

SHEET NO.:

E-603

KEYED NOTES

9.316 PROVIDE 600A, 600V, 4 P + GROUND BUSSED CONNECTION CABINET IN NEMA 3R PAD MOUNT ENCLOSURE. TAP SHALL NOT BE MADE ON A SINGLE SET OF CONDUCTORS. WORK RESULTING IN AN OUTAGE TO EXISTING LOADS FED FROM ATS-2 SHALL BE PREFORMED OUTSIDE AIRPORT WORKING HOURS, ASSUME 11:59 PM - 5:00 AM.



1 ONE-LINE POWER DIAGRAM
NO SCALE

9/13/2024 3:54:27 PM Autodesk Docs://Augusta Checkpoint Modernization/231215.02-E-R24.rvt

SECURITY SYSTEM SYMBOLS

ACCESS CONTROL SYMBOLS:

| | |
|------------|--|
| ACD | ACCESS CONTROLLED DOOR. REFER TO ACCESS CONTROLLED DOOR SCHEDULE FOR ADDITIONAL INFORMATION. |
| BR | BIOMETRIC READER |
| BK | BIOMETRIC READER WITH KEYPAD |
| CL | COMBINATION LOCK |
| CR | CREDENTIAL READER |
| CK | CREDENTIAL READER WITH KEYPAD |
| LD | LOOP DETECTOR PICKUP |

INTRUSION DETECTION SYMBOLS:

| | |
|-----------|--------------------|
| GB | GLASS BREAK SENSOR |
| MD | MOTION DETECTOR |
| OK | VERRIDE KEYPAD |
| VS | VIBRATION SENSOR |

COMMON SECURITY SYMBOLS:

| | |
|-----------|----------------------|
| DC | DOOR CONTACT |
| KS | KEY SWITCH |
| LA | LOCAL ALARM |
| P | PUSH BUTTON |
| D | PUSH BUTTON - DURESS |

WORKSTATION SYMBOLS:

| | |
|-----------|---------------------------|
| PC | DESKTOP PC |
| DP | DISPLAY - DESKTOP-MOUNTED |
| KM | KEYBOARD AND MOUSE |
| SP | PC SPEAKER |

AUDIO VISUAL SYMBOLS

| | |
|------------|---|
| AN | AMBIENT NOISE SENSOR |
| C | CLOCK - ANALOG |
| D | CLOCK - DIGITAL |
| W | DISPLAY - WALL-MOUNTED. REFER TO DRAWINGS FOR TYPE. |
| C | DISPLAY - CEILING-MOUNTED. REFER TO DRAWINGS FOR TYPE. |
| DS | DISPLAY(S) - CEILING-MOUNTED, BACK-TO-BACK. REFER TO DRAWINGS FOR TYPE. |
| DS | INTERCOM - DOOR STATION |
| MS | INTERCOM - MASTER STATION |
| S | LOUDSPEAKER - CEILING-MOUNTED |
| S | LOUDSPEAKER - WALL-MOUNTED |
| S | LOUDSPEAKER - HORN TYPE |
| S | LOUDSPEAKER - PENDANT-MOUNTED |
| PS | PAGING STATION |
| PRO | PROJECTOR |
| V | VOLUME CONTROL |

GENERAL SYMBOLS

| | |
|----------------|--|
| X/T-XXX | DETAIL NUMBER / SHEET NUMBER |
| 9.XXX | KEYED NOTE, USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH |
| IT ROOM | ROOM NAME AND NUMBER |
| 116 | |
| 100A | DOOR IDENTIFICATION |
| 1 | BUILDING SECTION |
| 1 | ENLARGED PLAN |
| 1 | INTERIOR ELEVATION |

SITE SYMBOLS

| | |
|------------|---|
| HH | HANDHOLE |
| MH | MANHOLE |
| H | SINGLE HEIGHT SECURITY PEDESTAL |
| H2X | DUAL HEIGHT SECURITY PEDESTAL |
| C | SECURITY POLE FOR CAMERA. REFER TO VIDEO SURVEILLANCE SYMBOLS FOR CAMERA TYPES. |

TECHNOLOGY OUTLET SCHEDULE

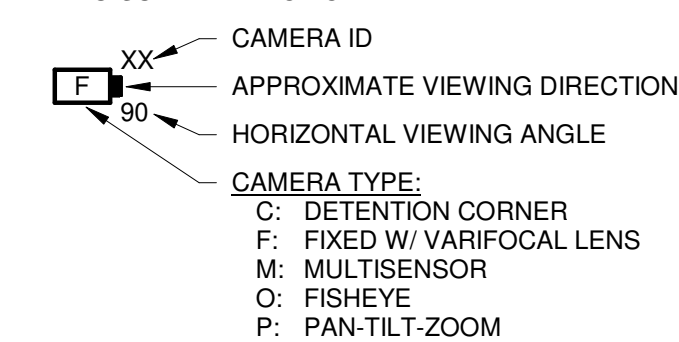
| SYMBOL | DESCRIPTION | MOUNTING | COMMENTS |
|--------|---|--|---|
| ▽ | SINGLE-PORT TECHNOLOGY OUTLET: - (1) 1" CONDUIT - (1) 4-11/16" SQUARE x 2-5/8" DEEP BACKBOX WITH SINGLE GANG TRIM RING - (1) SINGLE-GANG, SINGLE-PORT FACEPLATE - (1) CATEGORY 6 JACK - (1) CATEGORY 6 CABLE | 18" AFF TO CENTER OF BOX U.N.O. | |
| ▽ | TWO-PORT TECHNOLOGY OUTLET: - (1) 1" CONDUIT - (1) 4-11/16" SQUARE x 2-5/8" DEEP BACKBOX WITH SINGLE GANG TRIM RING - (1) SINGLE-GANG, TWO-PORT FACEPLATE - (2) CATEGORY 6 JACKS - (2) CATEGORY 6 CABLES | 18" AFF TO CENTER OF BOX U.N.O. | |
| # | FOUR-PORT TECHNOLOGY OUTLET: - (1) 1" CONDUIT - (1) 4-11/16" SQUARE x 2-5/8" DEEP BACKBOX WITH SINGLE GANG TRIM RING - (1) SINGLE-GANG, FOUR-PORT FACEPLATE - (4) CATEGORY 6 JACKS - (4) CATEGORY 6 CABLES | 18" AFF TO CENTER OF BOX U.N.O. | # PORT/JACK/CABLE QTY. IF OTHER THAN 4 |
| W | SINGLE-PORT TECHNOLOGY OUTLET FOR WALL-MOUNTED PHONE: - (1) 1" CONDUIT - (1) 4-11/16" SQUARE x 2-5/8" DEEP BACKBOX WITH SINGLE GANG TRIM RING - (1) SINGLE-GANG, SINGLE-PORT STAINLESS STEEL FACEPLATE WITH PHONE LUGS - (1) CATEGORY 6 JACK - (1) CATEGORY 6 CABLE | 45" AFF TO CENTER OF BOX U.N.O. | |
| EQ | SINGLE-PORT TECHNOLOGY OUTLET FOR EQUIPMENT: - (1) 1" CONDUIT STUB - (1) 4-11/16" SQUARE x 2-5/8" DEEP BACKBOX WITH SINGLE GANG TRIM RING AND SINGLE-GANG, SINGLE-PORT FACEPLATE - (1) CATEGORY 6 JACK - (1) CATEGORY 6 CABLE | SEE COMMENTS | - BOX OR SINGLE-PORT SURFACE HOUSING AS NECESSARY TO MEET INSTALLATION CONDITIONS. - SEE ASSOCIATED KEYED NOTE ON PLANS. |
| CA | TECHNOLOGY OUTLET FOR VIDEO SURVEILLANCE CAMERA: - (1) 1" CONDUIT STUB - (1) 4-11/16" SQUARE x 2-5/8" DEEP BACKBOX WITH SINGLE-GANG TRIM RING - (1) CATEGORY 6A JACK - (1) CATEGORY 6A CABLE | SEE COMMENTS | - BOX OR SINGLE-PORT SURFACE HOUSING AS NECESSARY TO MEET INSTALLATION CONDITIONS |
| TV | TELEVISION TECHNOLOGY OUTLET: - (1) 1" CONDUIT STUB - (1) 4-11/16" SQUARE x 2-5/8" DEEP BACKBOX WITH SINGLE GANG TRIM RING - (1) SINGLE-GANG, TWO-PORT FACEPLATE - (1) CATEGORY 6A JACK - (1) CATEGORY 6A CABLE - (1) F-F BULKHEAD CONNECTOR - (1) RG-6 CABLE | 12" ABOVE HORIZONTAL CENTERLINE OF TELEVISION U.N.O. | - OUTLET CONFIGURATION ASSUMES TV SET-TOP BOX IS LOCATED AT DISPLAY. |
| FP | FLAT-PANEL DISPLAY TECHNOLOGY OUTLET: - (1) 1" CONDUIT STUB - (1) 4-11/16" SQUARE x 2-5/8" DEEP BACKBOX WITH SINGLE GANG TRIM RING - (1) SINGLE-GANG, TWO-PORT FACEPLATE - (2) CATEGORY 6 JACKS - (2) CATEGORY 6 CABLES | 12" ABOVE HORIZONTAL CENTERLINE OF FLAT PANEL U.N.O. | |
| AP | WIRELESS ACCESS POINT TECHNOLOGY OUTLET: - (1) 1" CONDUIT STUB - (1) 4-11/16" SQUARE x 2-5/8" DEEP BACKBOX WITH SINGLE GANG TRIM RING - (1) SINGLE-GANG, TWO-PORT FACEPLATE - (2) CATEGORY 6A JACKS - (2) CATEGORY 6A CABLES | SEE COMMENTS | - BOX OR TWO-PORT SURFACE HOUSING AS NECESSARY TO MEET INSTALLATION CONDITIONS - INCLUDE 30' COILED SLACK CABLE FOR AP LOCATION ADJUSTMENT |
| T | ISA TWO-PORT TECHNOLOGY OUTLET: - (1) 1" CONDUIT STUB - (1) 4-11/16" SQUARE x 2-5/8" DEEP BACKBOX WITH SINGLE GANG TRIM RING - (1) SINGLE-GANG, TWO-PORT FACEPLATE - (2) CATEGORY 6A JACKS - (2) CATEGORY 6A CABLES | 18" AFF TO CENTER OF BOX U.N.O.. | - CABLE TO TERMINATE IN TSA IT ROOM OR CABINET LOCATION AS INDICATED ON DRAWINGS. |
| T | ISA FOUR-PORT TECHNOLOGY OUTLET: - (1) 1" CONDUIT STUB - (1) 4-11/16" SQUARE x 2-5/8" DEEP BACKBOX WITH SINGLE GANG TRIM RING - (1) SINGLE-GANG, FOUR-PORT FACEPLATE - (2) CATEGORY 6A JACKS - (2) CATEGORY 6A CABLES | 18" AFF TO CENTER OF BOX U.N.O.. | - CABLE TO TERMINATE IN TSA IT ROOM OR CABINET LOCATION AS INDICATED ON DRAWINGS. |

TECHNOLOGY OUTLET SCHEDULE NOTES:

- REFER TO DIVISION 26 SPECIFICATIONS FOR BOX AND CONDUIT SPECIFICATIONS AND EXECUTION REQUIREMENTS.
- REFER TO DIVISION 27 SPECIFICATIONS FOR LOW-VOLTAGE CABLING PATHWAY REQUIREMENTS.

VIDEO SURVEILLANCE SYMBOLS

VIDEO SURVEILLANCE CAMERA:



MOUNTING MODIFIERS:

| | |
|----------|-----------------------|
| F | CEILING MOUNT |
| W | WALL MOUNT |
| P | POLE MOUNT |
| C | EXTERIOR CORNER MOUNT |
| I | INTERIOR CORNER MOUNT |

LINE TYPE KEY

| | |
|--------------------|--|
| — | NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE) |
| - - - | EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK DASHED LINE) |
| — | EXISTING TO REMAIN WORK (THIN SOLID LINE) |
| — | NEW WORK UNDER FLOOR BY THIS CONTRACTOR |
| — CON — | SITE UNDERGROUND CONDUIT |
| - / CON / - | SITE REMOVED UNDERGROUND CONDUIT |
| — FOC — | SITE UNDERGROUND FIBER OPTIC |
| - / FOC / - | SITE REMOVED UNDERGROUND FIBER OPTIC |

COMMUNICATIONS SYMBOLS

| | |
|-------------|---|
| A | ANTENNA |
| BET | BUILDING ENTRANCE TERMINAL |
| FO | FIBER OPTIC CABINET - WALL-MOUNTED |
| MB | MEDIA BOX |
| PB | PUNCH BLOCK - 110 STYLE |
| PP | PATCH PANEL - WALL-MOUNTED |
| TMGB | TELECOMMUNICATIONS MAIN GROUNDING BUS BAR |
| TGB | TELECOMMUNICATIONS GROUNDING BUS BAR |
| S | SURFACE RACEWAY - REFER TO KEYED NOTES AND SPECIFICATIONS FOR TYPES |
| F | 2-POST EQUIPMENT RACK WITH VERTICAL CABLE MANAGERS - 'F' INDICATES FRONT OF RACK |
| F | 4-POST EQUIPMENT RACK WITH VERTICAL CABLE MANAGERS - 'F' INDICATES FRONT OF RACK |
| F | EQUIPMENT CABINET - 'F' INDICATES FRONT OF CABINET |
| F | EQUIPMENT CABINET - WALL-MOUNT |
| P | TECHNOLOGY PANEL - WALL-MOUNT |
| CT | CABLE TRAY OR RUNWAY. REFER TO TAG FOR TYPE, SIZE, AND ELEVATION TO BOTTOM OF TRAY/RUNWAY |
| CT | SIZE (WIDTH x DEPTH) AND TYPE |
| CT | CT: CABLE TRAY |
| CR | CR: CABLE RUNWAY |
| H | HEIGHT AFF TO BOTTOM OF TRAY/RUNWAY |
| F | FLOOR BOX (BY DIVISION 26) |
| P | POWER POLE (BY DIVISION 26) |

TECHNOLOGY ABBREVIATIONS

| | |
|--------------|---|
| & | AND |
| @ | AT |
| A/E | ARCHITECT / ENGINEER |
| ACS | ACCESS CONTROL SYSTEM |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISH GRADE |
| AHJ | AUTHORITY HAVING JURISDICTION |
| ALT | ALTERNATE |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE |
| AP | (WIRELESS) ACCESS POINT |
| AV | AUDIO VISUAL |
| AWG | AMERICAN WIRE GAUGE |
| BET | BUILDING ENTRANCE TERMINAL |
| BIDS | BAGGAGE INFORMATION DISPLAY SYSTEM |
| BLDG | BUILDING |
| C | CONDUIT |
| CATV | COMMUNITY ANTENNA TELEVISION |
| CL | CENTERLINE |
| CLG | CEILING |
| COAX | COAXIAL |
| COMM | COMMUNICATIONS |
| DSS | DIGITAL SATELLITE SERVICE |
| DWG | DRAWING |
| EC | ELECTRICAL CONTRACTOR |
| EIA | ELECTRONIC INDUSTRIES ALLIANCE |
| EMT | ELECTRICAL METALLIC TUBING |
| ENT | ELECTRICAL NONMETALLIC TUBING |
| EO | EQUIPMENT OUTLET |
| ERL | EXISTING - RELOCATED LOCATION |
| ETR | EXISTING TO REMAIN |
| FUTP | COILED UNSCREENED TWISTED PAIR |
| FA | FIRE ALARM |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL |
| FACP | FIRE ALARM CONTROL PANEL |
| FIDS | FLIGHT INFORMATION DISPLAY SYSTEM |
| FO | FIBER OPTIC |
| FPD | FLAT-PANEL DISPLAY |
| GC | GENERAL CONTRACTOR |
| GIDS | GATE INFORMATION DISPLAY SYSTEM |
| GND | GROUND |
| GRC | GALVANIZED RIGID CONDUIT |
| GRS | GALVANIZED RIGID STEEL |
| HH | HAND HOLE |
| HVAC | HEATING, VENTILATION, AIR CONDITIONING |
| IDF | INTERMEDIATE DISTRIBUTION FRAME |
| IDS | INTRUSION DETECTION SYSTEM |
| IMC | INTERMEDIATE METALLIC CONDUIT |
| IT | INFORMATION TECHNOLOGY |
| J-BOX | JUNCTION BOX |
| MAX | MAXIMUM |
| MOF | MAIN DISTRIBUTION FRAME |
| MH | MAN HOLE |
| MIN | MINIMUM |
| MMFO | MULTIMODE FIBER OPTIC |
| MNS | MASS NOTIFICATION SYSTEM |
| MON | MONITOR |
| MPTL | MODULAR PLUG TERMINATED LINK |
| MTD | MOUNTED |
| MTR | MAIN TECHNOLOGY ROOM |
| NEC | NATIONAL ELECTRIC CODE |
| NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| OFCI | OWNER-FURNISHED, CONTRACTOR-INSTALLED |
| OFOI | OWNER-FURNISHED, OWNER-INSTALLED |
| PA | PUBLIC ADDRESS |
| PTZ | PAN - TILT - ZOOM |
| PVC | POLYVINYL CHLORIDE |
| RCV | RECEIVER |
| REQD | REQUIRED |
| SCTP | SCREENED TWISTED PAIR |
| SE | SERVICE ENTRANCE |
| SMFO | SINGLEMODE FIBER OPTIC |
| SS | STAINLESS STEEL |
| STP | SHIELDED TWISTED PAIR |
| TBR | TO BE REMOVED |
| TC | TECHNOLOGY CONTRACTOR |
| TFA | TO FLOOR ABOVE |
| TFB | TO FLOOR BELOW |
| TGB | TELECOMMUNICATIONS GROUNDING BUSBAR |
| TIA | TELECOMMUNICATIONS INDUSTRY ASSOCIATION |
| TMGB | TELECOMMUNICATIONS MAIN GROUNDING BUSBAR |
| TO | TECHNOLOGY OUTLET |
| TR | TECHNOLOGY ROOM |
| TV | TELEVISION |
| TYP | TYPICAL |
| UG | UNDERGROUND |
| UNO | UNLESS NOTED OTHERWISE |
| UPS | UNINTERRUPTIBLE POWER SUPPLY |
| UTP | UNSHIELDED TWISTED PAIR |
| VMS | VIDEO MANAGEMENT SYSTEM |
| VSS | VIDEO SURVEILLANCE SYSTEM |
| WL | WET LOCATION LISTED |
| WP | WEATHERPROOF |

DEMOLITION GENERAL NOTES

- THE INFORMATION SHOWN IS BASED ON EXISTING DRAWINGS AND SITE OBSERVATIONS TO ASSIST THE CONTRACTOR IN BIDDING. THE CONTRACTOR SHOULD VISIT THE SITE TO VERIFY EXISTING CONDITIONS. THE TECHNOLOGY SYSTEMS DRAWINGS INDICATE EXISTING TECHNOLOGY SYSTEMS ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY DEVICE, BOX, CONDUIT, WIRE OR CABLE THAT MUST BE REMOVED.
- DASHED WALLS ON THE FLOOR PLANS INDICATE EXISTING WALLS BEING DEMOLISHED. REFER TO THE ARCHITECTURAL DEMOLITION PLANS FOR THE EXACT EXTENT OF WORK REQUIRED BY THIS PROJECT. REMOVE ALL DEVICES ON DASHED WALLS NOT SHOWN ON THE CONTRACT DRAWINGS. REFER TO DEMOLITION DRAWINGS OF OTHER TRADES, WHERE CONTROL PANELS AND APPURTENANCES THAT HAVE TECHNOLOGY SYSTEMS CONNECTIONS ARE BEING REMOVED, INCLUDE DISCONNECTION AND REMOVAL OF ALL ASSOCIATED CONDUIT, WIRING AND CABLING.
- TECHNOLOGY SYSTEMS ITEMS (E.G. TECHNOLOGY OUTLETS, SECURITY SYSTEMS DEVICES, AUDIO DEVICES, CABLE) THAT ARE REMOVED AND NOT RELOCATED SHALL REMAIN THE PROPERTY OF THE OWNER. DISPOSE OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN FOR MAINTENANCE PURPOSES.
- OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF POWER TO TECHNOLOGY SYSTEMS EQUIPMENT OR DEVICES. COORDINATE ALL OUTAGES WITH THE OWNER.
- PROVIDE A BLANK COVERPLATE FOR ALL BOXES IN EXISTING MASONRY WALLS THAT ARE TO REMAIN IN PLACE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH TYPE AND ATTACHMENT.
- REMOVE ALL CONDUIT WHERE WALLS ARE BEING REMOVED. WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE OR CABLE AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC. SHALL BE REMOVED.
- COORDINATE ALL WORK WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING TECHNOLOGY SYSTEMS ITEMS AND INSTALLING NEW ITEMS.
- EXISTING CONDUIT IN GOOD CONDITION MAY BE REUSED IN PLACE. RELOCATED EXISTING CONDUIT SHALL NOT BE ALLOWED. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.

GENERAL NOTES

- PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO INSTALL COMPLETE TECHNOLOGY SYSTEMS AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.
- THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE DETAILS OF WORK, VERIFY DIMENSIONS IN THE FIELD, AND ADVISE THE ARCHITECT/ENGINEER OF ANY DISCREPANCY BEFORE PERFORMING ANY WORK.
- COORDINATE LOCATION AND MOUNTING REQUIREMENTS OF ALL CEILING-MOUNTED OR ABOVE-CEILING-MOUNTED DEVICES WITH REFLECTED CEILING PLAN, LIGHTING LAYOUT, SIGNAGE, AND OTHER CEILING OR ABOVE-CEILING-MOUNTED EQUIPMENT.
- MOUNT ALL TECHNOLOGY OUTLETS AT HEIGHTS ABOVE FINISHED FLOOR AS SHOWN IN THE TECHNOLOGY OUTLET SCHEDULE U.N.O.
- ALL TECHNOLOGY RACEWAY (CONDUIT, BACKBOX, SUPPORTS) SHALL BE PROVIDED BY DIVISION 26. SEE DIVISION 26 SPECIFICATIONS FOR GENERAL RACEWAY REQUIREMENTS. ADDITIONAL REQUIREMENTS INCLUDE:
 - PROVIDE A BEND RADIUS OF TEN TIMES THE OUTSIDE DIAMETER OR GREATER FOR ALL TECHNOLOGY RACEWAY.
 - PROVIDE A MINIMUM CONDUIT SIZE OF 1" UNLESS NOTED OTHERWISE.
 - PROVIDE PLASTIC OR NYLON BUSHINGS ON ALL CONDUIT STUBS PRIOR TO THE INSTALLATION OF CABLES.
- MOUNT TECHNOLOGY SYSTEMS EQUIPMENT/DEVICES SO AS TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TECHNOLOGY SYSTEMS EQUIPMENT/DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE COORDINATED WITH AND APPROVED BY THAT CONTRACTOR IN ADVANCE OF INSTALLATION.
- PROVIDE ALL OPENINGS REQUIRED IN WALLS. REPAIR ALL OPENINGS TO MATCH EXISTING USING A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. GROUT OR SEAL ALL CONDUITS THROUGH WALLS INTO OPENINGS. FIRESTOP ALL PENETRATIONS THROUGH FLOORS AND FIRE-RATED WALLS IN A MANNER THAT MAINTAINS THE RATING OF THE FLOOR OR WALL PENETRATED.
- PROVIDE ALL TRENCHING AND BACKFILL FOR BURIED TECHNOLOGY SYSTEMS CONDUITS UNLESS NOTED OTHERWISE.
- PROVIDE METALLIC TAPE ABOVE BURIED PVC CONDUIT FOR FUTURE LOCATING.
- CONDUIT ROUTED UNDER THE BUILDING SHALL BE MINIMUM 18" BELOW SLAB.

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AGS AUGUSTA REGIONAL AIRPORT

AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED

09/13/24 BID SET



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DATE: 09/13/2024

DESIGNED BY: JRM

DRAWN BY: DAK

CHECKED BY: JMV

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SHEET CONTENTS
NOTES, SYMBOLS & ABBREVIATIONS

SHEET NO.:

T-001

TECHNOLOGY KEYED NOTES

- 9.501 EXISTING COMMUNICATIONS HANDHOLE, ENCLOSED CABLING, AND CONDUITS FEEDING HANDHOLE MUST REMAIN CLEAN, PROTECTED, UNDISTURBED AND IN PLACE FOR THE DURATION OF THE PROJECT.
- 9.502 EXISTING INFRASTRUCTURE LOCATED IN DEMO WALL AREA TO BE RELOCATED WITHIN ROOM. INFRASTRUCTURE INCLUDES BUT IS NOT LIMITED TO COAXIAL CABLE, COAXIAL AMPLIFIER AND TAPS, PHONE ENCLOSURE, 85 BLOCKS AND CROSS CONNECTS. EXISTING CONNECTIONS SHALL BE DOCUMENTED TO ENSURE RECONNECTION AFTER RELOCATION. COORDINATE ANY DOWNTIME WITH THE AIRPORT PRIOR TO COMMENCING WORK.
- 9.503 ALL EQUIPMENT AND CONNECTIONS IN ROOM D111 ARE TO REMAIN CLEAN, OPERATIONAL AND PROTECTED FOR THE DURATION OF THE PROJECT. PROVIDE TEMPORARY WALLS AND PLASTIC COVERING TO ENSURE AIRPORT AND TSA EQUIPMENT IS PROTECTED FROM CONSTRUCTION DUST AND DEBRIS.
- 9.504 CABLE TO EXISTING CHECKPOINT AREA PAGING ZONE TO BE EXTENDED TO NEW SPEAKERS. REFER TO T-101 FOR NEW SPEAKER LOCATIONS.
- 9.505 EXISTING WIRELESS DURESS BUTTON. BUTTON SHALL BE STORED FOR REINSTALLATION IN NEW CHECKPOINT CONFIGURATION. REFER TO T-121 FOR REINSTALLED LOCATIONS. TYPICAL ALL.
- 9.701 TIME CLOCK EQUIPMENT OUTLET. PROVIDE OUTLET 45" AFF. MOUNT TSA PROVIDED TIME CLOCK TO WALL OVER EQUIPMENT OUTLET LOCATION. COORDINATE FINAL LOCATION WITH TSA MANAGEMENT PRIOR TO INSTALLATION.
- 9.702 REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR FLOOR BOX DETAILS. TYPICAL ALL FLOOR BOX LOCATIONS ON SHEET.
- 9.703 TSA AVS DESK LOCATION.
- 9.704 AVS DESK XRAY CONNECTION. PROVIDE (2) CATEGORY 6A CABLES FROM XRAY MACHINE TO AVS DESK ASSOCIATED WITH CHECKPOINT SECURITY SCREENING LANE.
- 9.709 EXISTING TSA CABINET AND EQUIPMENT. CABINET SHALL STAY IN PLACE AND OPERATIONAL UNTIL ALL CHECK POINT SECURITY SCREENING EQUIPMENT AND BAGGAGE SCREENING EQUIPMENT IS CONNECTED TO THE NEW TSA IT ROOM AND OPERATIONAL. COORDINATE THE DISCONNECTION AND REMOVAL WITH TSA PRIOR TO BEGINNING DEMOLITION. ALL TSA EQUIPMENT WILL BE RELOCATED TO NEW TSA IT ROOM D113 AT COMPLETION OF PROJECT.
- 9.710 ACCESS PANEL FOR EXISTING HANDHOLE LOCATION. HANDHOLE, INCOMING CONDUITS AND ALL CABLING WITHIN HANDHOLE TO REMAIN PROTECTED, CLEAN AND OPERATIONAL FOR THE DURATION OF THE PROJECT. REFER TO ARCHITECTURAL PLANS FOR ACCESS PANEL INFORMATION FOR HANDHOLE.
- 9.711 TIMECLOCK EQUIPMENT OUTLET. PROVIDE OUTLET 45" AFF.
- 9.712 PROVIDE A MINIMUM 72.00"H X 29.00"W X 32.00"D CABINET FOR TSA EQUIPMENT.
- 9.715 ALL EQUIPMENT AND CONNECTIONS IN ROOM D111 ARE TO REMAIN CLEAN, OPERATIONAL AND PROTECTED FOR THE DURATION OF THE PROJECT.
- 9.716 EXISTING CABINET AND RACKS TO REMAIN PROTECTED, CLEAN AND OPERATIONAL FOR THE DURATION OF THE PROJECT. COORDINATE WITH GENERAL CONTRACTOR THE CONSTRUCTION OF TEMPORARY WALLS AND PLASTIC REQUIRED TO PROVIDE DUST AND DEBRIS PROTECTION FROM CONSTRUCTION ACTIVITIES.
- 9.717 EXTEND EXISTING CHECKPOINT AREA PAGING ZONE TO NEW SPEAKERS. TYPICAL ALL.
- 9.719 EXISTING ACCESS CONTROL DEVICES TO BE RELOCATED TO NEW DOOR D111 LOCATION. REFER TO T-121 FOR NEW DOOR LOCATION.
- 9.720 MARKETING DISPLAY LOCATION. REMOVE DISPLAY AND TURN OVER TO OWNER FOR RE-USE.
- 9.721 FUTURE AVS DESK LOCATION.
- 9.722 TSA SATELLITE ANTENNA LOCATION. PROVIDE RG-11 CABLE FROM TSA IT ROOM D113. TERMINATE WITH A F-CONNECTOR AND PROVIDE A 50' COIL IN THE INTERIOR CEILING FOR TSA SATELLITE FEED. COORDINATE FINAL LOCATION WITH LOCAL TSA FIELD REPRESENTATIVE.
- 9.723 PROVIDE CEILING MOUNT OUTLET FOR TSA PROVIDED PROJECTOR.
- 9.724 PROVIDE NEW EQUIPMENT OUTLET FOR EXIT DEVICE. CABLE SHALL BE INSTALLED FROM TELECOM D111. COORDINATE TERMINATION LOCATION WITH EXIT LANE DEVICE INSTALLER.
- 9.725 TSA BAGGAGE SCREENING EQUIPMENT CONNECTIONS. CONNECTIONS TO STAY ACTIVE AND OPERATIONAL UNTIL NEW CABLING IS INSTALLED FROM THE NEW TSA IT ROOM. COORDINATE THE TRANSFER OF NETWORK CONNECTION TO NEW IT ROOM WITH TSA PRIOR TO DISCONNECT AND REMOVAL.
- 9.726 TSA BAGGAGE SCREEN EQUIPMENT OUTLET. COORDINATE LOCATION WITH EXISTING TSA EQUIPMENT.
- 9.727 EXISTING TSA DEMARCATION POINT. EXTEND INCOMING TSA SIGNAL UTILITY TO NEW TSA IT ROOM. COORDINATE WITH TSA PRIOR TO DISCONNECTING AND FOR RECONNECTION REQUIREMENTS.
- 9.728 TSA TV LOCATION. ROUTE COAXIAL CABLE AND CATEGORY 6 CABLE TO TSA IT D113.
- 9.729 PROVIDE NEW 3/4", AC GRADE, FIRE RETARDANT BACKBOARD FROM 6" AFF TO 86" AFF.
- 9.730 EXISTING PLYWOOD BACK BOARD.
- 9.731 EXISTING CABLE RUNWAY TO REMAIN. TYPICAL ALL RUNWAY IN ROOM.
- 9.732 DURESS BUTTON AND RELOCATED TSA DURESS BASE STATION AND DIALER. COORDINATE THE DISCONNECT FROM EXISTING LOCATION IN D111 AND RELOCATION WITH TSA PRIOR TO MOVING EQUIPMENT.
- 9.801 EMPLOYEE VERIFICATION CREDENTIAL READER. MOUNT TO PODIUM AND PROVIDE A RED AND GREEN LED PROGRAMMED TO VERIFY AN AIRPORT EMPLOYEE.
- 9.802 TSA DURESS BUTTON. REUSE EXISTING BUTTONS THAT WERE REMOVED AS PART OF DEMOLITION AND PROVIDE NEW BUTTONS AS NECESSARY TO MEET INSTALLATION REQUIREMENTS. NEW DURESS BUTTONS SHALL BE AN EXTENSION OF THE EXISTING SYSTEM. PROVIDE ALL PARTS, CABLING AND POWER NECESSARY FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- 9.803 CREDENTIAL READER TO INTERFACE WITH EXIT LANE EQUIPMENT FOR LOCAL ALARM RESET. COORDINATE PROGRAMMING WITH EXIT LANE INSTALLER.

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SHEET CONTENTS
**TECHNOLOGY
KEYED NOTES**

SHEET NO.:

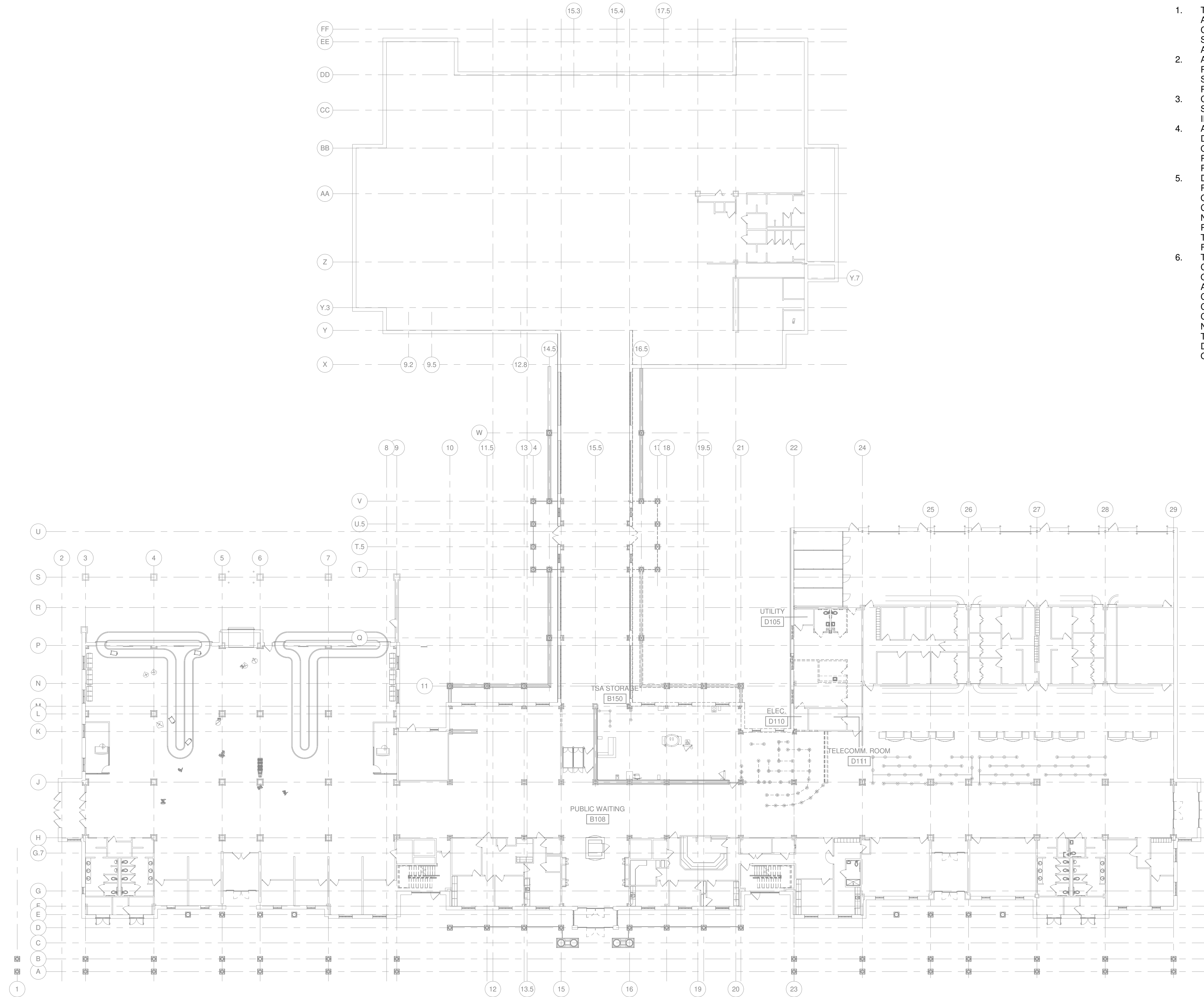
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FIRST FLOOR OVERALL COMMUNICATION DEMOLITION PLAN

1" = 20'-0"



TECHNOLOGY DEMOLITION NOTES

1. THE AIRSIDE OF AIRPORT SHALL REMAIN SECURE AT ALL TIMES FOR DURATION OF PROJECT. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN SECURITY OF ANY DOORS OR OPENING THAT PROVIDE ACCESS TO THE AIRSIDE FROM THE LANDSIDE.
2. ALL COSTS REQUIRED FOR REMOVAL AND REINSTALLATION OF COMMUNICATION, PAGING AND SECURITY DEVICES SHALL BE INCLUDED IN THE PROJECT.
3. CAMERAS LABELED ERL SHALL BE REMOVED AND STORED IN A SECURE, CLEAN ENVIRONMENT FOR RE-INSTALLATION DURING THE CONSTRUCTION PHASE.
4. ALL CEILING MOUNTED DEVICES LOCATED ON DEMOLISHED CEILINGS SHALL BE REMOVED AS PART OF THIS PROJECT. NOT ALL DEVICES MAY BE SHOWN. REFER TO ARCHITECTURAL REFLECTED CEILING DEMO PLANS FOR EXTENT OF CEILING DEMOLITION.
5. DEMOLITION AND CONSTRUCTION WILL OCCUR IN PHASES. ALL DEVICES SHALL STAY CONNECTED OPERATIONAL UNTIL THE PREVIOUS PHASE IS COMPLETE. COORDINATE THE DISCONNECT OF NETWORK EQUIPMENT WITH THE AIRPORT AND TSA PRIOR TO THE REMOVAL OF ANY CABLING. REFER TO THE PHASING PLANS ON SHEETS G-025 THROUGH G-031 FOR ADDITIONAL PHASING INFORMATION.
6. THE EXPECTATION IS FOR BOTH THE EXISTING TSA CABINET IN D111 AND NEW TSA IT ROOM D113 TO BE OPERATIONAL SIMULTANEOUSLY IN ORDER TO ACCOMMODATE THE TRANSFER OF THE EXISTING CHECKPOINT EQUIPMENT FROM THE EXISTING CHECKPOINT TO THE NEW CHECKPOINT AREA. COORDINATE THE INSTALLATION AND CONNECTION OF NEW EQUIPMENT IN D113 WITH TSA AND PROVIDE ANY TEMPORARY CABLING BETWEEN D111 CABINET AND D113 CABINET NECESSARY TO KEEP BOTH SYSTEMS OPERATIONAL.

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AUGUSTA REGIONAL AIRPORT CHECKPOINT MODERNIZATION

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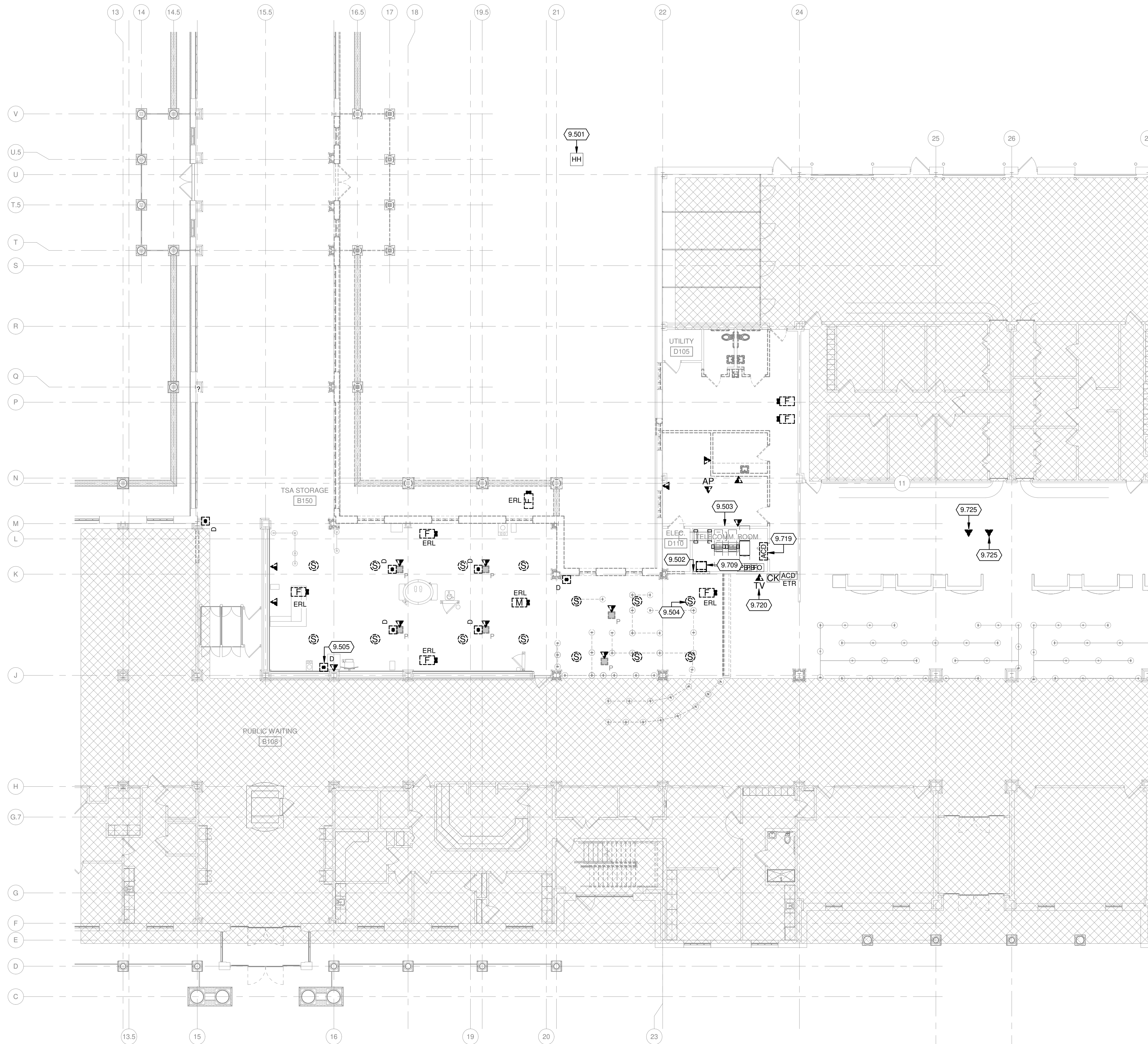
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SHEET CONTENTS
FIRST FLOOR
OVERALL
COMMUNICATION
DEMOLITION PLAN

SHEET NO.:

TD100



TRUE PLAN NORTH NORTH
1 FIRST FLOOR COMMUNICATION DEMOLITION PLAN
 1" = 10'-0"

TECHNOLOGY DEMOLITION NOTES

1. THE AIRSIDE OF AIRPORT SHALL REMAIN SECURE AT ALL TIMES FOR DURATION OF PROJECT. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN SECURITY OF ANY DOORS OR OPENING THAT PROVIDE ACCESS TO THE AIRSIDE FROM THE LANDSIDE.
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KEYED NOTES

- 9.501 EXISTING COMMUNICATIONS HANDHOLE, ENCLOSED CABLING, AND CONDUITS FEEDING HANDHOLE MUST REMAIN CLEAN, PROTECTED, UNDISTURBED AND IN PLACE FOR THE DURATION OF THE PROJECT.
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- 9.503 ALL EQUIPMENT AND CONNECTIONS IN ROOM D111 ARE TO REMAIN CLEAN, OPERATIONAL AND PROTECTED FOR THE DURATION OF THE PROJECT. PROVIDE TEMPORARY WALLS AND PLASTIC COVERING TO ENSURE AIRPORT AND TSA EQUIPMENT IS PROTECTED FROM CONSTRUCTION DUST AND DEBRIS.
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- 9.505 EXISTING WIRELESS DURESS BUTTON. BUTTON SHALL BE STORED FOR REINSTALLATION IN NEW CHECKPOINT CONFIGURATION. REFER TO T-121 FOR REINSTALLED LOCATIONS. TYPICAL ALL.
- 9.709 EXISTING TSA CABINET AND EQUIPMENT. CABINET SHALL STAY IN PLACE AND OPERATIONAL UNTIL ALL CHECK POINT SECURITY SCREENING EQUIPMENT AND BAGGAGE SCREENING EQUIPMENT IS CONNECTED TO THE NEW TSA IT ROOM AND OPERATIONAL. COORDINATE THE DISCONNECTION AND REMOVAL WITH TSA PRIOR TO BEGINNING DEMOLITION. ALL TSA EQUIPMENT WILL BE RELOCATED TO NEW TSA IT ROOM D113 AT COMPLETION OF PROJECT.
- 9.719 EXISTING ACCESS CONTROL DEVICES TO BE RELOCATED TO NEW DOOR D111 LOCATION. REFER TO T-121 FOR NEW DOOR LOCATION.
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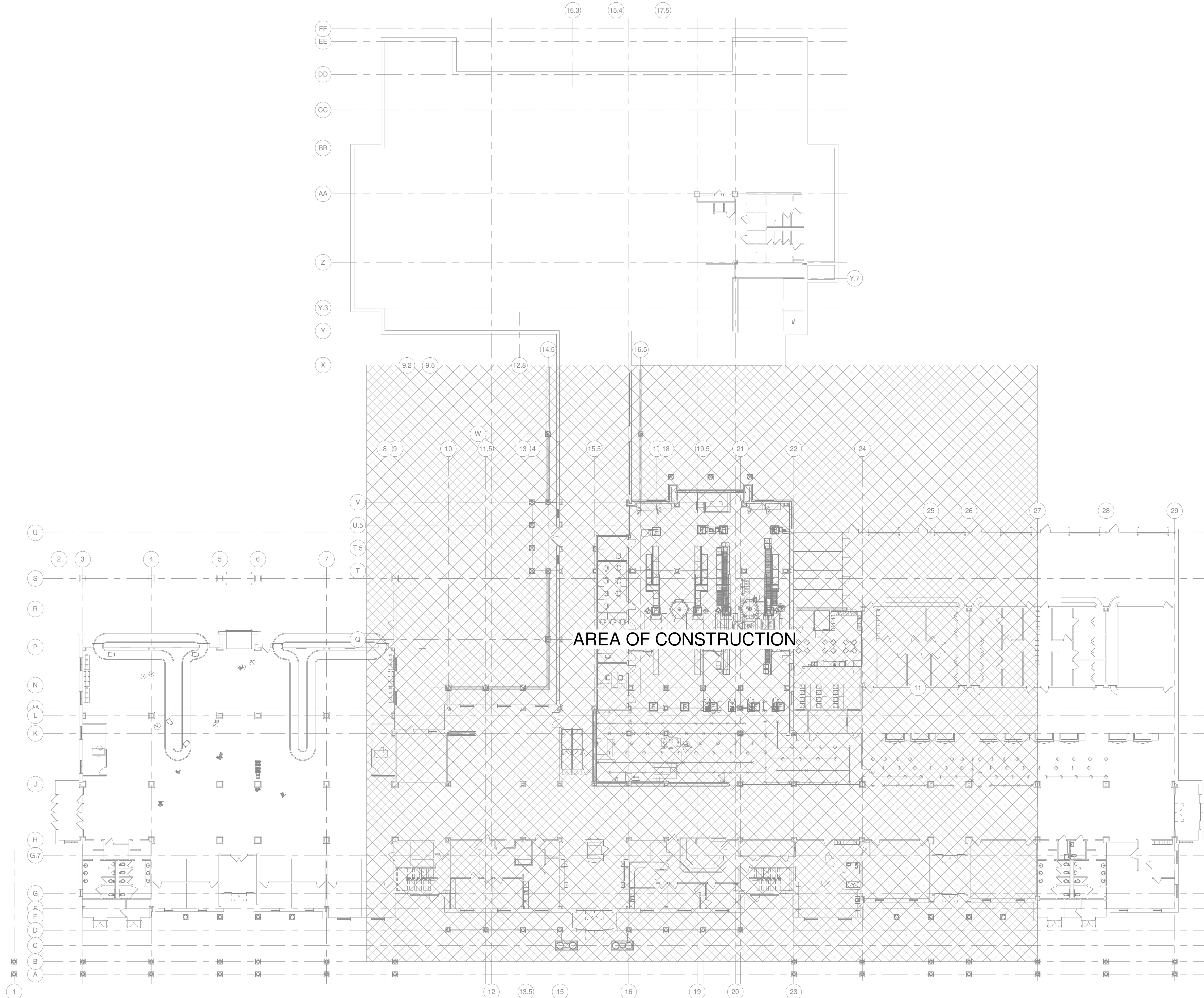
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SHEET CONTENTS
 FIRST FLOOR COMMUNICATIONS DEMOLITION PLAN

SHEET NO.:

TD101

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TRUE PLAN
NORTH NORTH
1 OVERALL FIRST FLOOR COMMUNICATIONS PLAN
1" = 20'-0"

COMMUNICATIONS GENERAL NOTES

1. REFER TO T-001 FOR NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO T-500 SERIES FOR DETAILS, T-600 SERIES FOR SCHEDULES, AND T-700 SERIES FOR RISER DIAGRAMS.
3. THE AIRPORT IS TO REMAIN OPERATIONAL CONTINUOUSLY THROUGHOUT THE PROJECT. PROJECT CONSTRUCTION WILL TAKE PLACE IN PHASES. REFER TO ARCHITECTURAL PLANS FOR PHASING PLAN INFORMATION. TECHNOLOGY AND SECURITY SYSTEMS IN EACH PHASED AREA SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL NEW TECHNOLOGY SPACES AND SYSTEMS ARE FULLY OPERATIONAL IN THAT AREA. PROVIDE TEMPORARY ENCLOSURES, TIE-INS, HANGERS, AND SUPPORTS AS NECESSARY TO MAINTAIN CONTINUOUS SERVICE IN BUILDING UNTIL PROJECT COMPLETION
4. DEMOLITION AND CONSTRUCTION WILL OCCUR IN PHASES. ALL DEVICES SHALL STAY CONNECTED OPERATIONAL UNTIL THE PREVIOUS PHASE IS COMPLETE. COORDINATE THE DISCONNECT OF NETWORK EQUIPMENT WITH THE AIRPORT AND TSA PRIOR TO THE REMOVAL OF ANY CABLING. REFER TO THE PHASING PLANS ON SHEETS G-025 THROUGH G-031 FOR ADDITIONAL PHASING INFORMATION.

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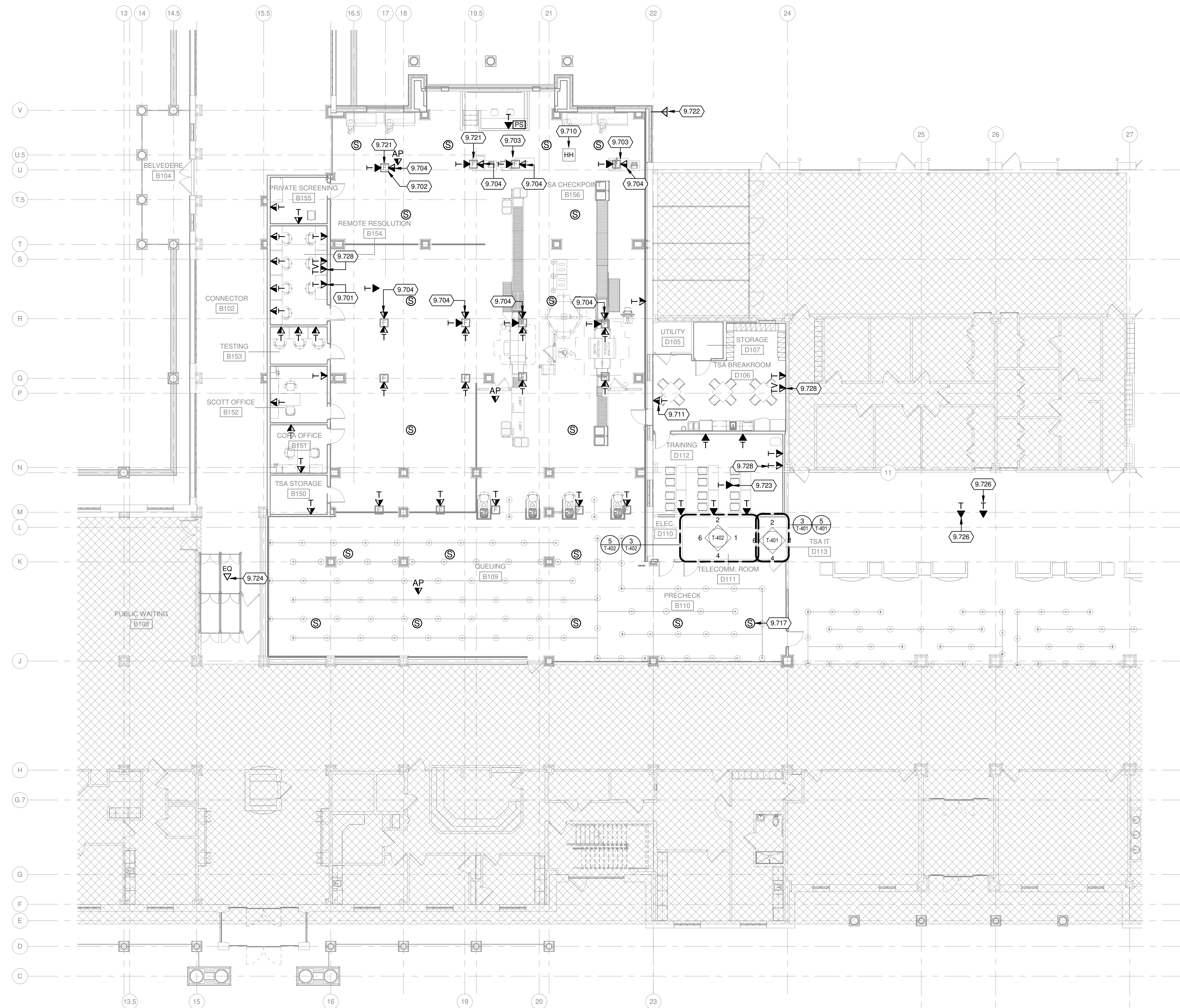
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MSH NO.: 0119700-231215.02
DATE: 09/13/2024
DESIGNED BY: JRM
DRAWN BY: DAK
CHECKED BY: JMV
DO NOT SCALE DRAWINGS

SHEET CONTENTS
OVERALL FIRST
FLOOR
COMMUNICATIONS
PLAN

SHEET NO.:

T-100



COMMUNICATIONS GENERAL NOTES

- REFER TO T-001 FOR NOTES, SYMBOLS, AND ABBREVIATIONS.
- REFER TO T-500 SERIES FOR DETAILS, T-600 SERIES FOR SCHEDULES, AND T-700 SERIES FOR RISER DIAGRAMS.
- THE AIRPORT IS TO REMAIN OPERATIONAL CONTINUOUSLY THROUGHOUT THE PROJECT. PROJECT CONSTRUCTION WILL TAKE PLACE IN PHASES. REFER TO ARCHITECTURAL PLANS FOR PHASING PLAN INFORMATION. TECHNOLOGY AND SECURITY SYSTEMS IN EACH PHASED AREA SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL NEW TECHNOLOGY SPACES AND SYSTEMS ARE FULLY OPERATIONAL IN THAT AREA. PROVIDE TEMPORARY ENCLOSURES, TIE-INS, HANGERS, AND SUPPORTS AS NECESSARY TO MAINTAIN CONTINUOUS SERVICE IN BUILDING UNTIL PROJECT COMPLETION
- DEMOLITION AND CONSTRUCTION WILL OCCUR IN PHASES. ALL DEVICES SHALL STAY CONNECTED OPERATIONAL UNTIL THE PREVIOUS PHASE IS COMPLETE. COORDINATE THE DISCONNECT OF NETWORK EQUIPMENT WITH THE AIRPORT AND TSA PRIOR TO THE REMOVAL OF ANY CABLING. REFER TO THE PHASING PLANS ON SHEETS G-025 THROUGH G-031 FOR ADDITIONAL PHASING INFORMATION.

KEYED NOTES

- 9.701 TIME CLOCK EQUIPMENT OUTLET. PROVIDE OUTLET 45" AFF. MOUNT TSA PROVIDED TIME CLOCK TO WALL OVER EQUIPMENT OUTLET LOCATION. COORDINATE FINAL LOCATION WITH TSA MANAGEMENT PRIOR TO INSTALLATION.
- 9.702 REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR FLOOR BOX DETAILS. TYPICAL ALL FLOOR BOX LOCATIONS ON SHEET.
- 9.703 TSA AVS DESK LOCATION.
- 9.704 AVS DESK XRAY CONNECTION. PROVIDE (2) CATEGORY 6A CABLES FROM XRAY MACHINE TO AVS DESK ASSOCIATED WITH CHECKPOINT SECURITY SCREENING LANE.
- 9.710 ACCESS PANEL FOR EXISTING HANDHOLE LOCATION. HANDHOLE, INCOMING CONDUITS AND ALL CABLING WITHIN HANDHOLE TO REMAIN PROTECTED, CLEAN AND OPERATIONAL FOR THE DURATION OF THE PROJECT. REFER TO ARCHITECTURAL PLANS FOR ACCESS PANEL INFORMATION FOR HANDHOLE.
- 9.711 TIMECLOCK EQUIPMENT OUTLET. PROVIDE OUTLET 45" AFF.
- 9.717 EXTEND EXISTING CHECKPOINT AREA PAGING ZONE TO NEW SPEAKERS. TYPICAL ALL.
- 9.721 FUTURE AVS DESK LOCATION.
- 9.722 TSA SATELLITE ANTENNA LOCATION. PROVIDE RG-11 CABLE FROM TSA IT ROOM D113. TERMINATE WITH A F-CONNECTOR AND PROVIDE A 50' COIL IN THE INTERIOR CEILING FOR TSA SATELLITE FEED. COORDINATE FINAL LOCATION WITH LOCAL TSA FIELD REPRESENTATIVE.
- 9.723 PROVIDE CEILING MOUNT OUTLET FOR TSA PROVIDED PROJECTOR.
- 9.724 PROVIDE NEW EQUIPMENT OUTLET FOR EXIT DEVICE. CABLE SHALL BE INSTALLED FROM TELECOM D111. COORDINATE TERMINATION LOCATION WITH EXIT LANE DEVICE INSTALLER.
- 9.726 TSA BAGGAGE SCREEN EQUIPMENT OUTLET. COORDINATE LOCATION WITH EXISTING TSA EQUIPMENT.
- 9.728 TSA TV LOCATION. ROUTE COAXIAL CABLE AND CATEGORY 6 CABLE TO TSA IT D113.

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**AUGUSTA REGIONAL AIRPORT
 CHECKPOINT MODERNIZATION**

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED 09/13/24 BID SET



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MSH NO.: 0119700-231215.02
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SHEET CONTENTS
 FIRST FLOOR
 COMMUNICATIONS
 PLAN - AREA A

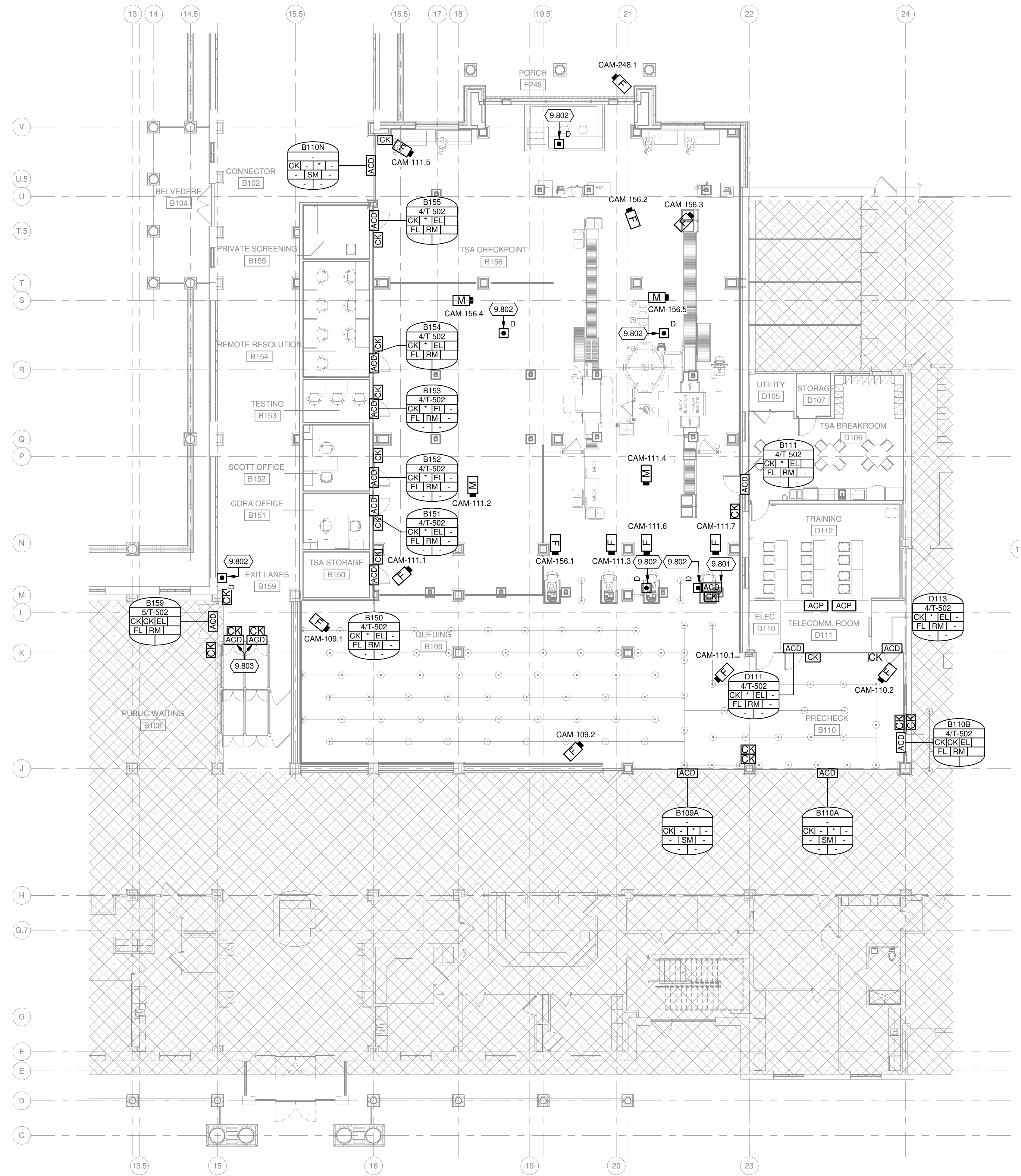
SHEET NO.:

T-101

TRUE PLAN NORTH NORTH

1 FIRST FLOOR COMMUNICATIONS PLAN - AREA A
 1" = 10'-0"

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TRUE PLAN
NORTH NORTH
1
FIRST FLOOR SECURITY PLAN
1" = 10'-0"

SECURITY GENERAL NOTES

1. REFER TO T-001 FOR NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO T-500 SERIES FOR DETAILS, T-600 SERIES FOR SCHEDULES, AND T-700 SERIES FOR RISER DIAGRAMS.
3. ALL CAMERAS AND ACCESS CONTROL CABLING SHALL BE FED FROM TELECOM D111. TSA OUTLETS TO BE FED FROM TSA IT D113
4. DEMOLITION AND CONSTRUCTION WILL OCCUR IN PHASES. ALL DEVICES SHALL STAY CONNECTED OPERATIONAL UNTIL THE PREVIOUS PHASE IS COMPLETE. COORDINATE THE DISCONNECT OF NETWORK EQUIPMENT WITH THE AIRPORT AND TSA PRIOR TO THE REMOVAL OF ANY CABLING. REFER TO THE PHASING PLANS ON SHEETS G-025 THROUGH G-031 FOR ADDITIONAL PHASING INFORMATION.

KEYED NOTES

- 9.801 EMPLOYEE VERIFICATION CREDENTIAL READER. MOUNT TO PODIUM AND PROVIDE A RED AND GREEN LED PROGRAMMED TO VERIFY AN AIRPORT EMPLOYEE.
- 9.802 TSA DURESS BUTTON. REUSE EXISTING BUTTONS THAT WERE REMOVED AS PART OF DEMOLITION AND PROVIDE NEW BUTTONS AS NECESSARY TO MEET INSTALLATION REQUIREMENTS. NEW DURESS BUTTONS SHALL BE AN EXTENSION OF THE EXISTING SYSTEM. PROVIDE ALL PARTS, CABLING AND POWER NECESSARY FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- 9.803 CREDENTIAL READER TO INTERFACE WITH EXIT LANE EQUIPMENT FOR LOCAL ALARM RESET. COORDINATE PROGRAMMING WITH EXIT LANE INSTALLER.

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**AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION**

1501 AVIATION WAY, AUGUSTA, GA 30906

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09/13/24 BID SET



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SHEET CONTENTS
FIRST FLOOR
SECURITY PLAN

SHEET NO.:

T-121

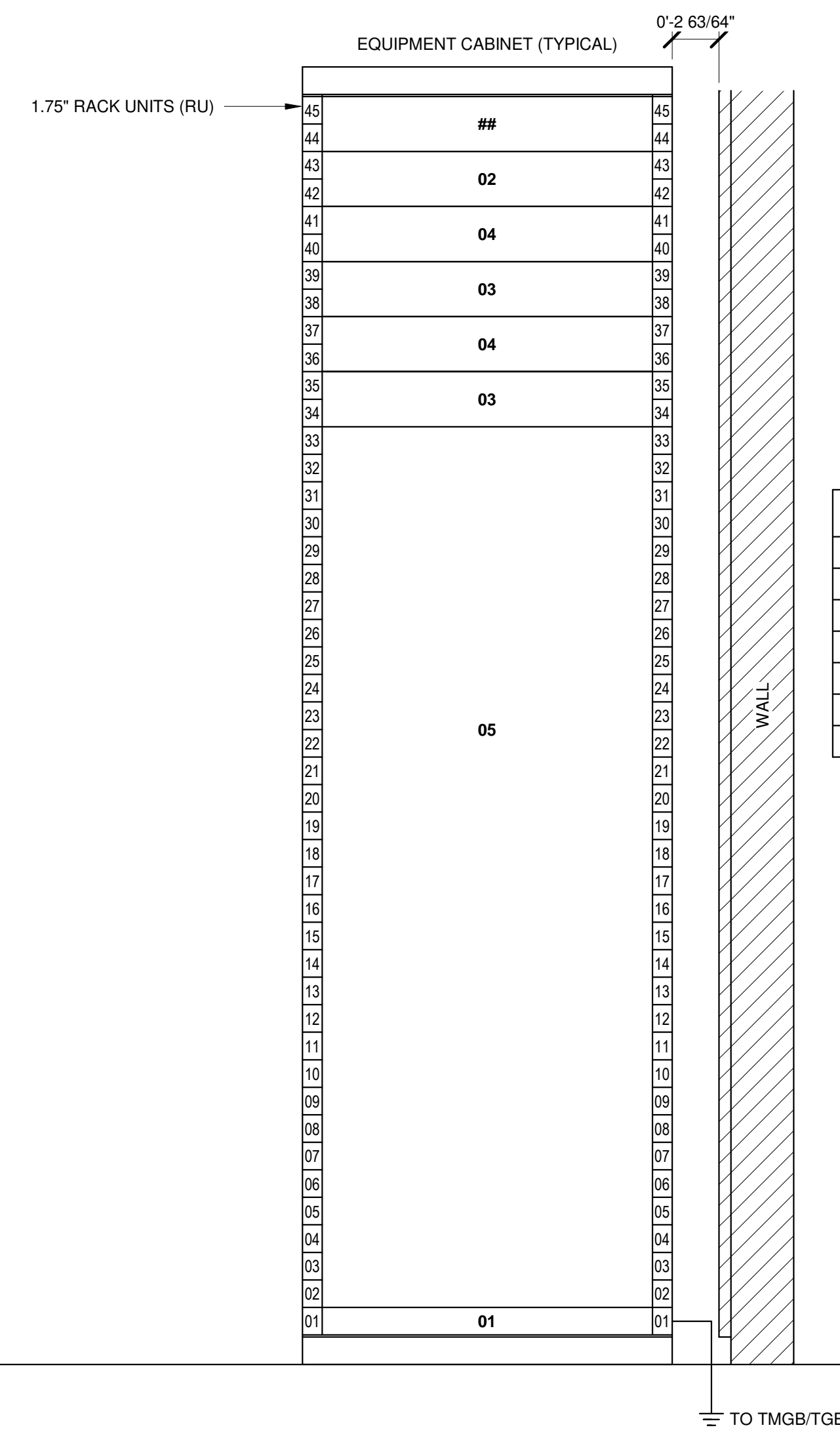
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GENERAL NOTES

- COORDINATE FINAL LAYOUT WITH LOCAL TSA REPRESENTATIVE PRIOR TO INSTALLATION.
- CABLE COUNTS ON OUTLET SCHEDULE ARE SHOWN FOR REFERENCE ONLY. CONFIRM ALL LOCATIONS AND COUNTS PRIOR TO INSTALLATION AND ORDERING MATERIAL.
- THE EXPECTATION IS FOR BOTH THE EXISTING TSA CABINET IN D111 AND NEW TSA IT ROOM TO BE OPERATIONAL SIMULTANEOUSLY IN ORDER TO ACCOMMODATE THE TRANSFER OF THE EXISTING CHECKPOINT EQUIPMENT FROM THE EXISTING CHECKPOINT TO THE NEW CHECKPOINT AREA. COORDINATE THE INSTALLATION AND CONNECTION OF NEW EQUIPMENT IN D113 WITH TSA AND PROVIDE ANY TEMPORARY CABLING BETWEEN D111 CABINET AND D113 CABINET NECESSARY TO KEEP BOTH SYSTEMS OPERATIONAL

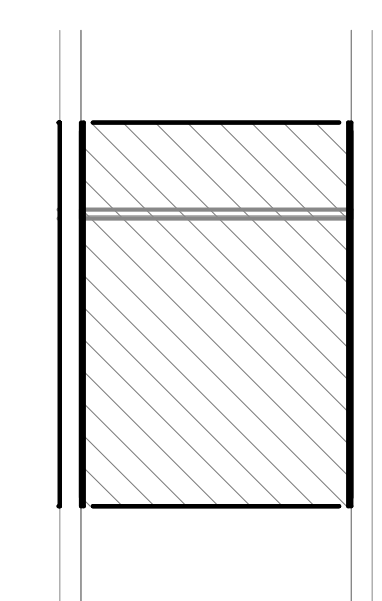
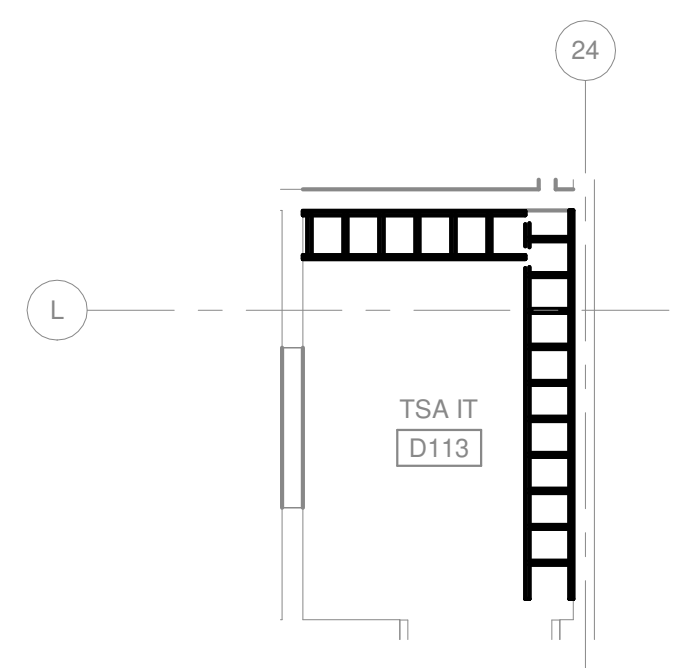
KEYED NOTES

- 9.712 PROVIDE A MINIMUM 72.00"H X 29.00"W X 32.00"D CABINET FOR TSA EQUIPMENT.
- 9.729 PROVIDE NEW 3/4", AC GRADE, FIRE RETARDANT BACKBOARD FROM 6" AFF TO 86" AFF.
- 9.732 DURESS BUTTON AND RELOCATED TSA DURESS BASE STATION AND DIALER. COORDINATE THE DISCONNECT FROM EXISTING LOCATION IN D111 AND RELOCATION WITH TSA PRIOR TO MOVING EQUIPMENT.



| EQUIPMENT SCHEDULE | |
|--------------------|--|
| ## | EQUIPMENT DESCRIPTION |
| 01 | HORIZONTAL GROUND BUS BAR |
| 02 | FIBER OPTIC ENCLOSURE |
| 03 | 48 PORT 8P8C CATEGORY 6A TSA PATCH PANEL |
| 04 | HORIZONTAL WIRE MANAGEMENT |
| 05 | OWNER PROVIDED EQUIPMENT. |

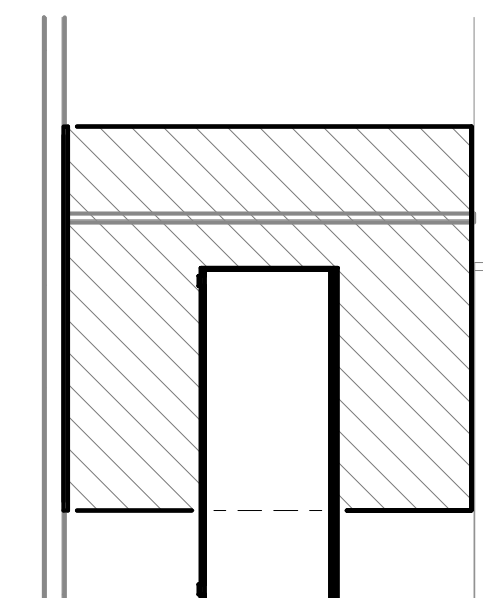
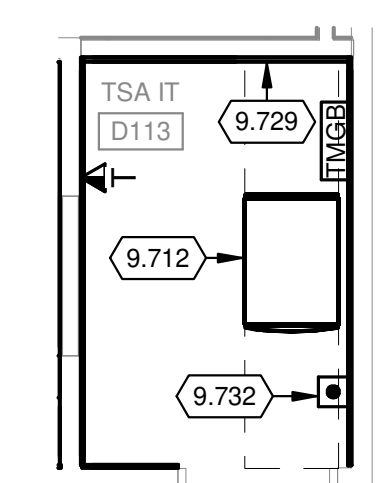
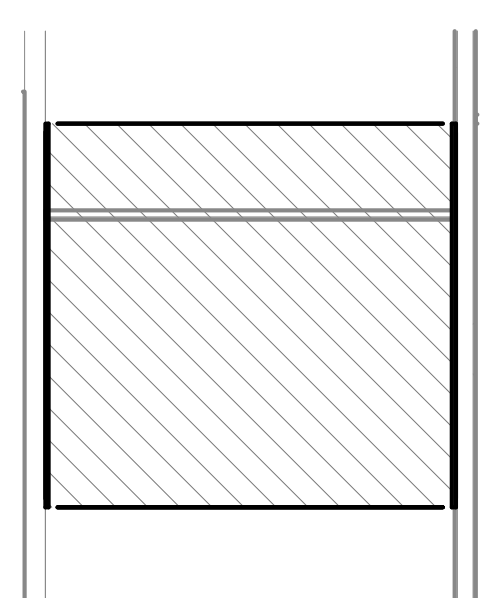
- NOTES:**
- EQUIPMENT LOCATION IS SHOWN TO ILLUSTRATE INTENT. COORDINATE ACTUAL LOCATION WITHIN CABINET WITH OWNER PRIOR TO INSTALLATION.
 - EQUIPMENT IS SHOWN FOR REFERENCE ONLY. ACTUAL QUANTITIES WILL BE BASED ON EQUIPMENT OUTLETS INSTALLED.
 - REFER TO DIVISION 27 SPECIFICATIONS FOR WIRE MANAGEMENT REQUIREMENTS.
 - REFER TO DIVISION 27 SPECIFICATIONS FOR EQUIPMENT CABINET REQUIREMENTS.



7 CABINET ELEVATIONS - TSA IT ROOM D113
NO SCALE

5 CABLE RUNWAY LAYOUT PLAN - TSA IT ROOM D113
1/4" = 1'-0"

2 NORTH WALL - TSA IT ROOM - D113
1/4" = 1'-0"

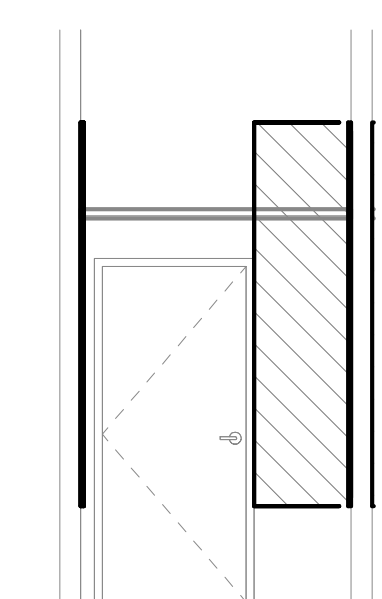


6 WEST WALL - TSA IT ROOM - D113
1/4" = 1'-0"

3 ENLARGED PLAN - TSA IT ROOM - D113
1/4" = 1'-0"

1 EAST WALL - TSA IT ROOM - D113
1/4" = 1'-0"

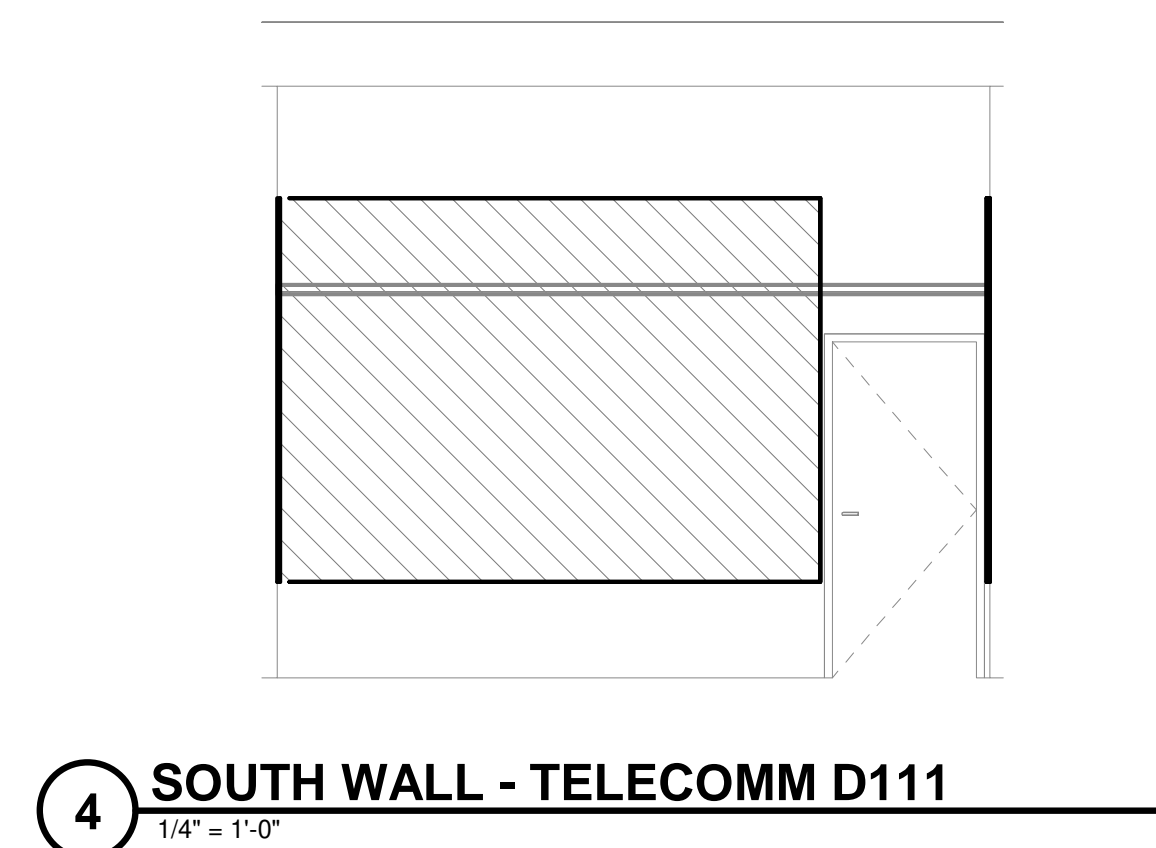
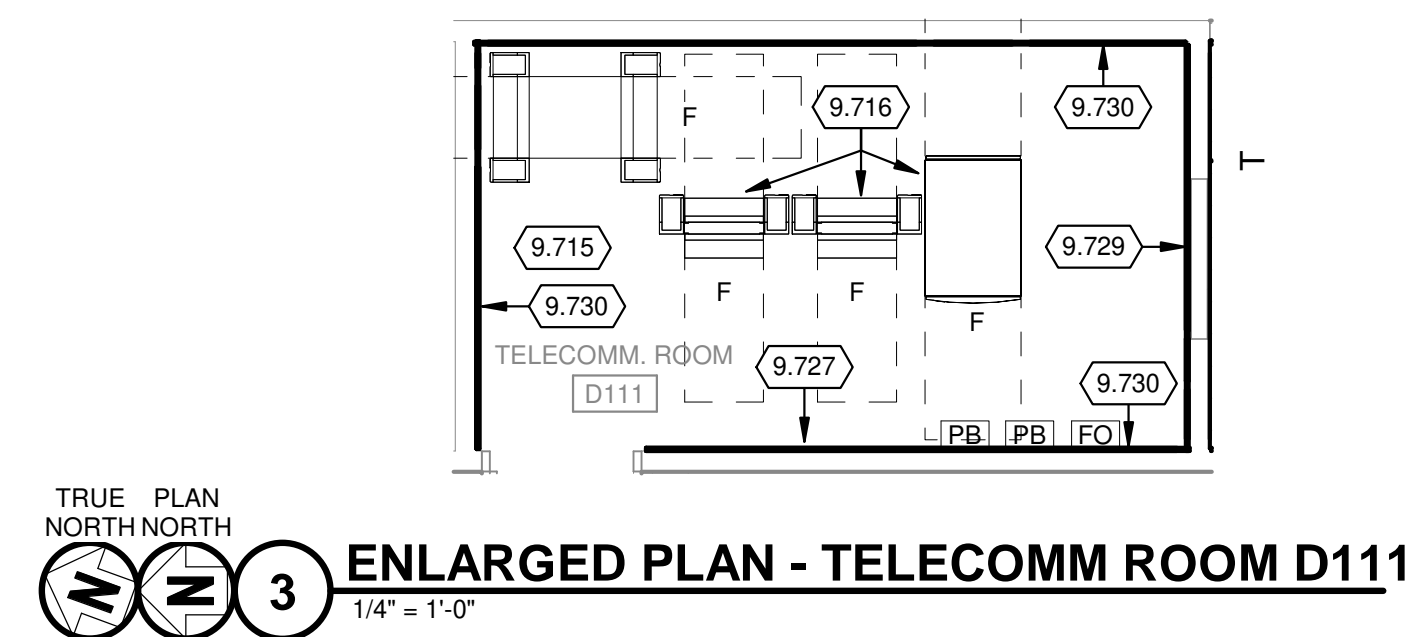
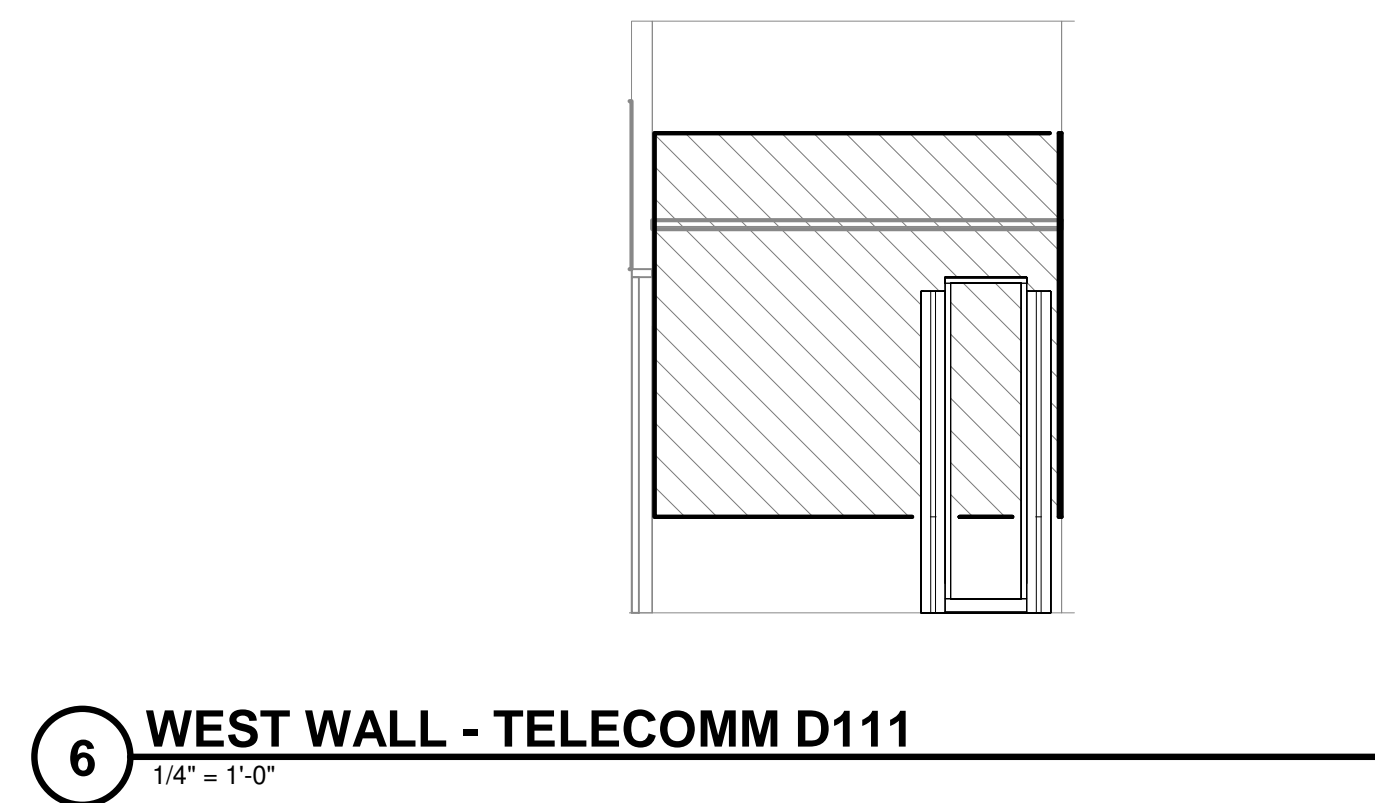
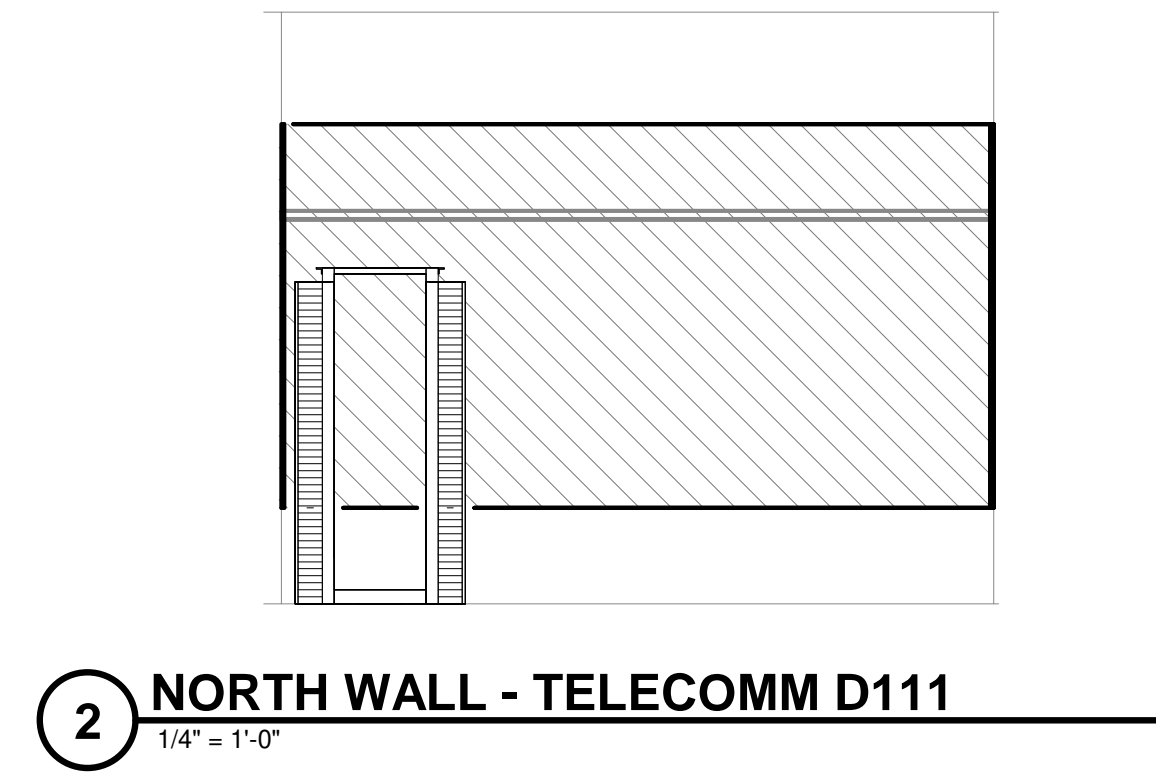
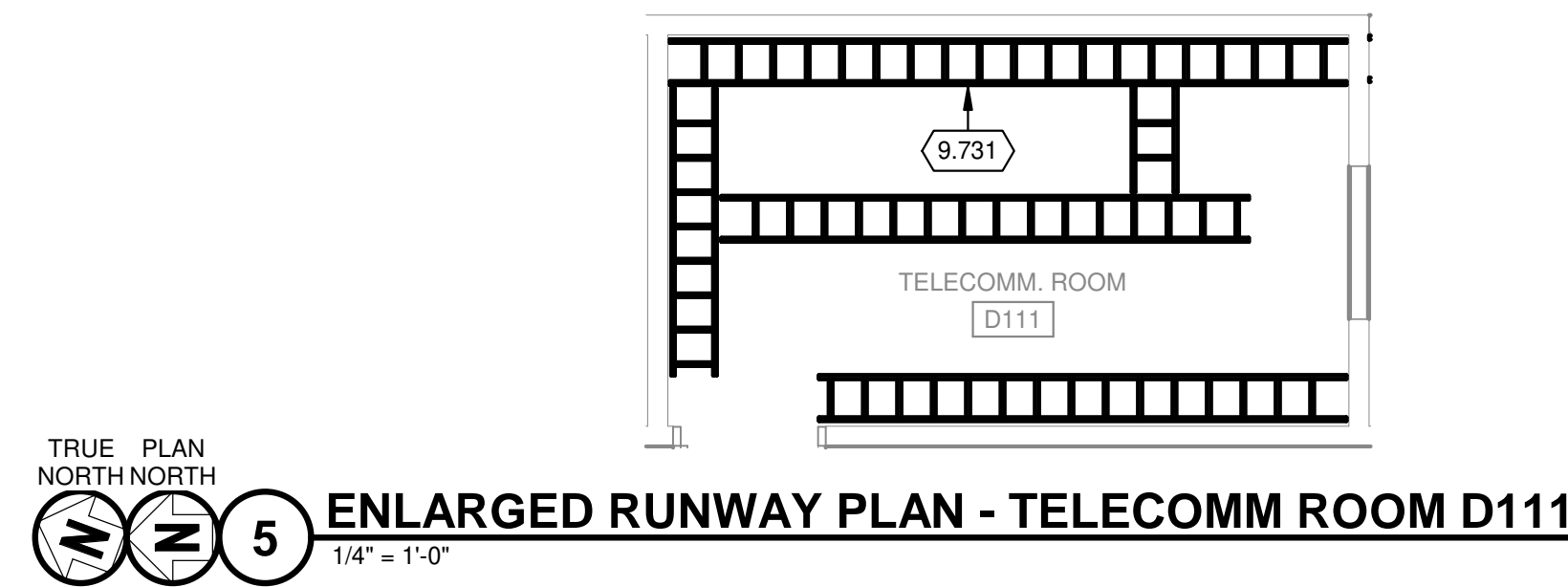
| OUTLET SCHEDULE (TR D113) | | | |
|--------------------------------|------------|--------------|---|
| OUTLET TYPE | PORT COUNT | OUTLET COUNT | COMMENTS |
| TECHNOLOGY OUTLET - 2-PORT | 16 | 8 | AVS DESK CONNECTIONS FROM XRAY MACHINE. REFER TO DRAWINGS FOR TERMINATION REQUIREMENTS. |
| TECHNOLOGY OUTLET - 2-PORT-TSA | 64 | 32 | |
| TECHNOLOGY OUTLET - 4-PORT-TSA | 60 | 15 | |
| TELEVISION OUTLET - 2-PORT | 4 | 2 | |
| Totals | 144 | 57 | |



4 SOUTH WALL - TSA IT ROOM - D113
1/4" = 1'-0"

KEYED NOTES

- 9.715 ALL EQUIPMENT AND CONNECTIONS IN ROOM D111 ARE TO REMAIN CLEAN, OPERATIONAL AND PROTECTED FOR THE DURATION OF THE PROJECT.
- 9.716 EXISTING CABINET AND RACKS TO REMAIN PROTECTED, CLEAN AND OPERATIONAL FOR THE DURATION OF THE PROJECT. COORDINATE WITH GENERAL CONTRACTOR THE CONSTRUCTION OF TEMPORARY WALLS AND PLASTIC REQUIRED TO PROVIDE DUST AND DEBRIS PROTECTION FROM CONSTRUCTION ACTIVITIES.
- 9.727 EXISTING TSA DEMARCATION POINT. EXTEND INCOMING TSA SIGNAL UTILITY TO NEW TSA IT ROOM. COORDINATE WITH TSA PRIOR TO DISCONNECTING AND FOR RECONNECTION REQUIREMENTS.
- 9.729 PROVIDE NEW 3/4", AC GRADE, FIRE RETARDANT BACKBOARD FROM 6" AFF TO 8'6" AFF.
- 9.730 EXISTING PLYWOOD BACK BOARD.
- 9.731 EXISTING CABLE RUNWAY TO REMAIN. TYPICAL ALL RUNWAY IN ROOM.



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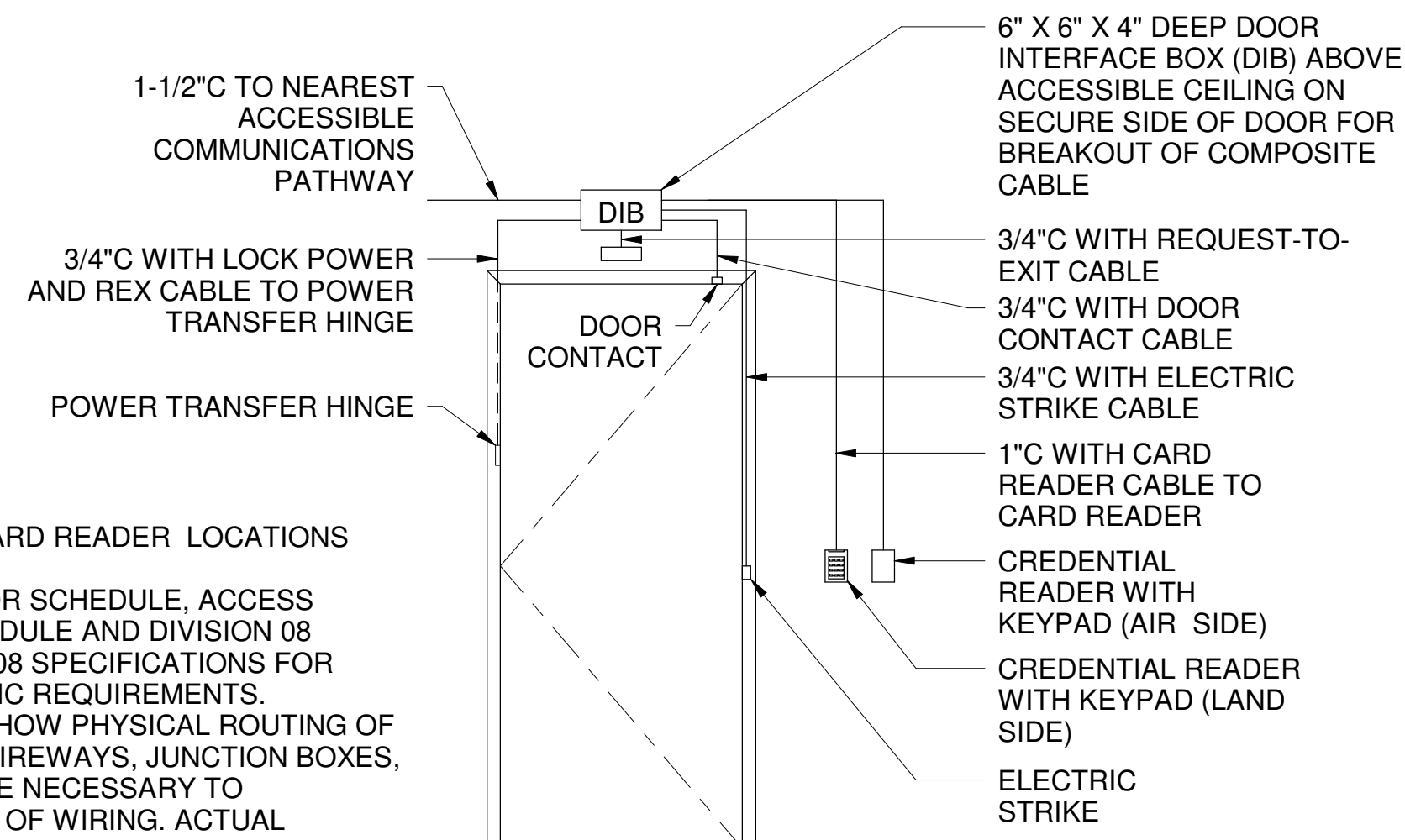
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SHEET CONTENTS
ENLARGED PLANS -
IT ROOM - D111

SHEET NO.:

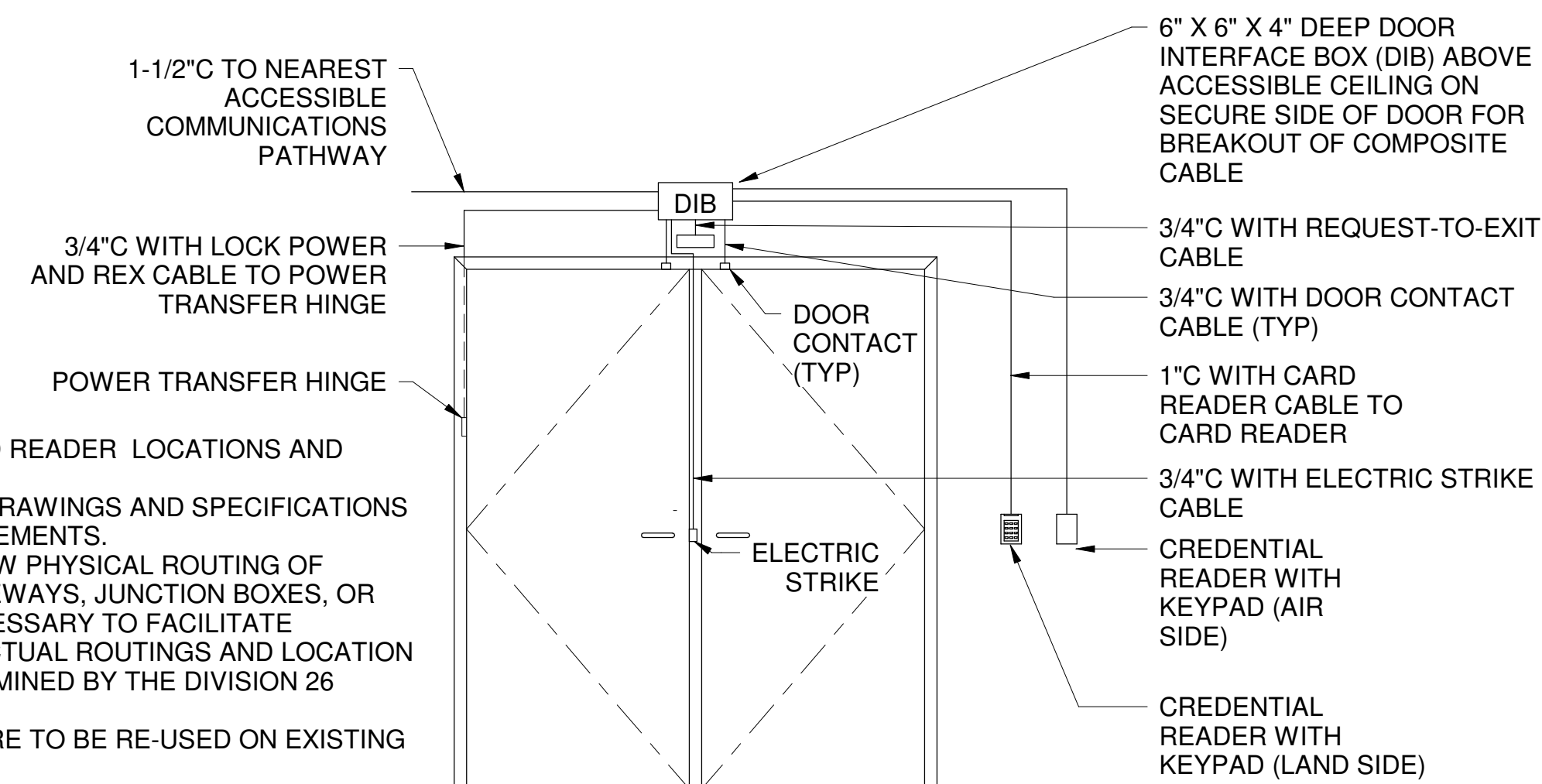
T-402



NOTES:

- SEE FLOOR PLANS FOR CARD READER LOCATIONS AND QUANTITIES.
- SEE ARCHITECTURAL DOOR SCHEDULE, ACCESS CONTROLLED DOOR SCHEDULE AND DIVISION 08 DRAWINGS AND DIVISION 08 SPECIFICATIONS FOR DOOR HARDWARE SPECIFIC REQUIREMENTS.
- THE DRAWINGS DO NOT SHOW PHYSICAL ROUTING OF CONDUIT OR REQUIRED WIREWAYS, JUNCTION BOXES, OR PULL BOXES AS MAY BE NECESSARY TO FACILITATE INSTALLATION OF WIRING. ACTUAL ROUTINGS AND LOCATION OF BOXES ARE TO BE DETERMINED BY THE DIVISION 26 ELECTRICAL CONTRACTOR.
- REUSE EXISTING CONDUIT WHEN POSSIBLE.

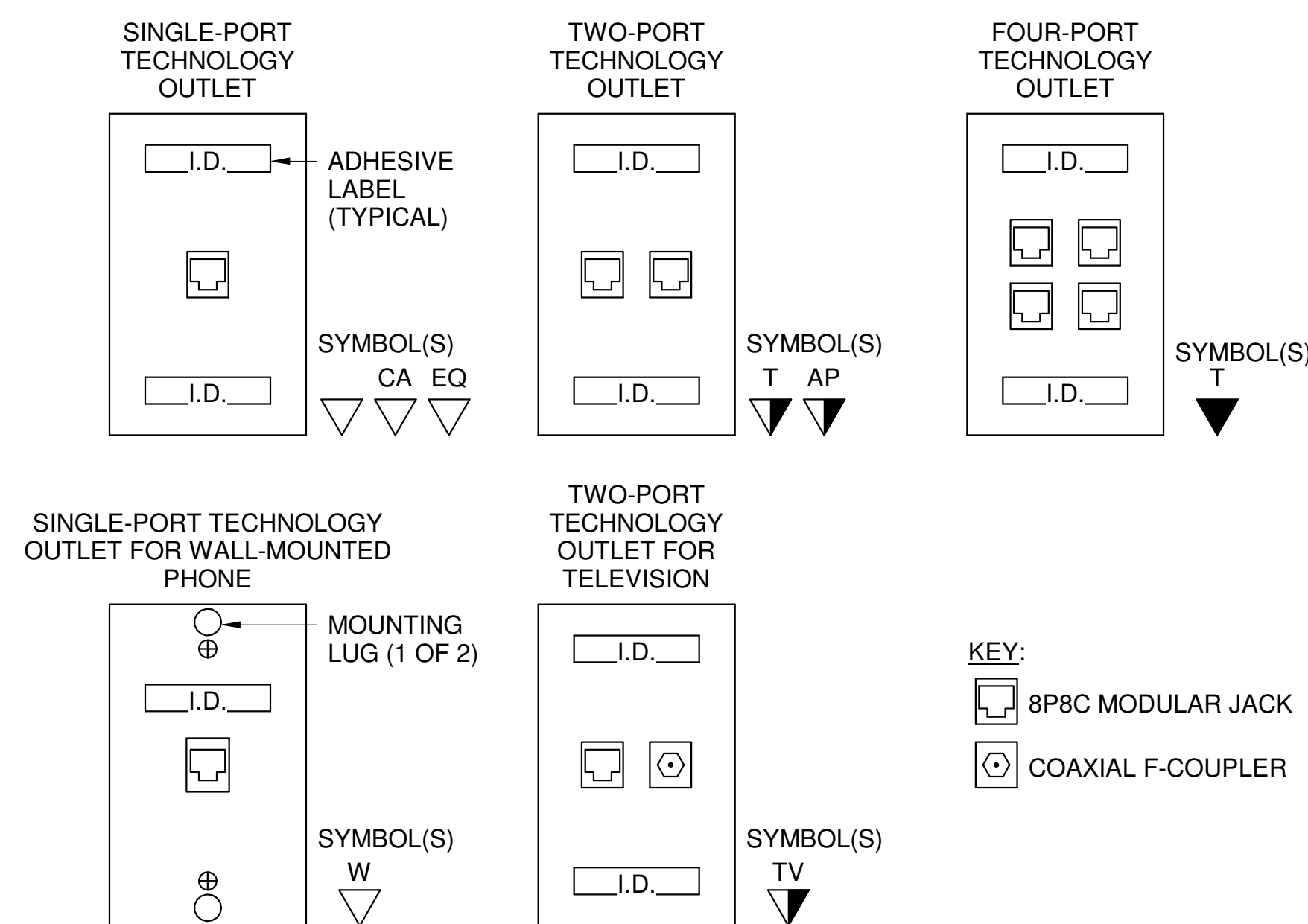
4 ACCESS CONTROLLED SINGLE DOOR - TYPICAL
NO SCALE



NOTES:

- SEE FLOOR PLANS FOR CARD READER LOCATIONS AND QUANTITIES.
- SEE ACS DOOR SCHEDULE DRAWINGS AND SPECIFICATIONS FOR DOOR SPECIFIC REQUIREMENTS.
- THE DRAWINGS DO NOT SHOW PHYSICAL ROUTING OF CONDUIT OR REQUIRED WIREWAYS, JUNCTION BOXES, OR PULL BOXES AS MAY BE NECESSARY TO FACILITATE INSTALLATION OF WIRING. ACTUAL ROUTINGS AND LOCATION OF BOXES ARE TO BE DETERMINED BY THE DIVISION 26 ELECTRICAL CONTRACTOR.
- EXISTING LOCKING HARDWARE TO BE RE-USED ON EXISTING DOORS.
- REUSE EXISTING CONDUIT WHEN POSSIBLE.

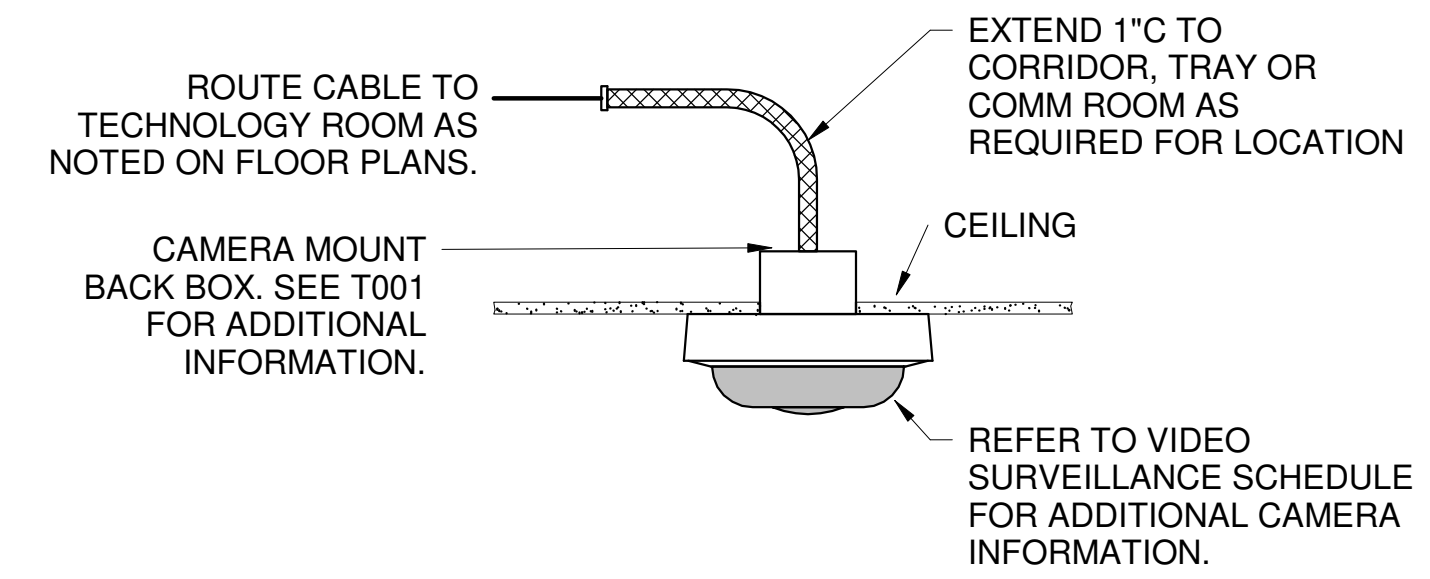
5 ACCESS CONTROLLED DOUBLE DOOR - TYPICAL
NO SCALE



NOTES:

- REFER TO DIVISION 27 SPECIFICATIONS FOR PERFORMANCE, PIN/PAIR ASSIGNMENTS, MATERIAL, AND COLOR.

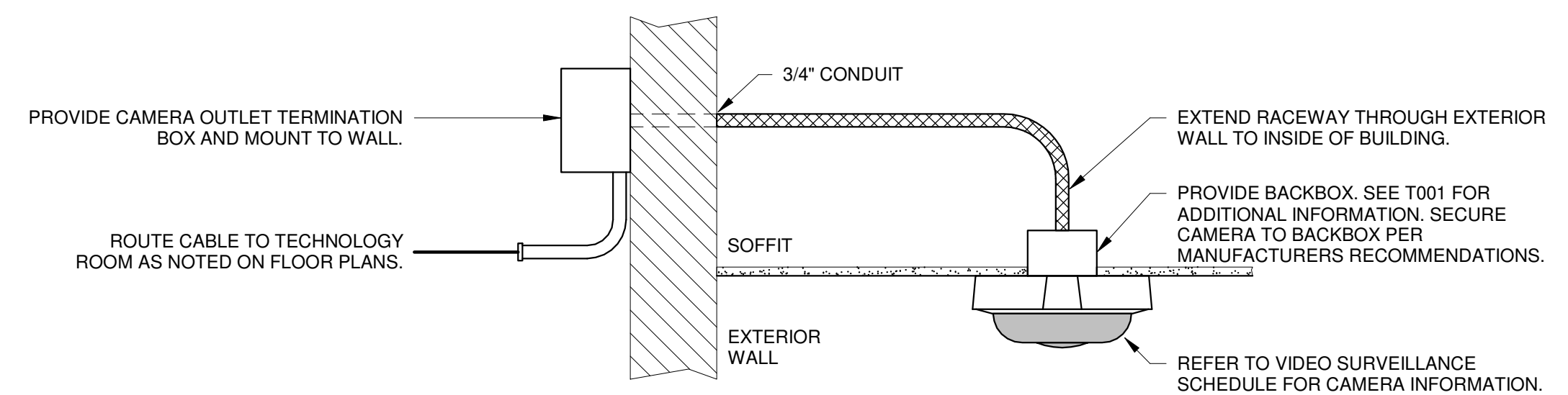
6 TECHNOLOGY OUTLET CONFIGURATIONS
NO SCALE



NOTES:

- REFER TO VIDEO SURVEILLANCE SCHEDULE FOR MOUNTING INFORMATION.
- REFER TO VIDEO SURVEILLANCE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- REFER TO DIVISION 26 SPECIFICATIONS FOR BACKBOX AND CONDUIT TYPE AND SUPPORT REQUIREMENTS.

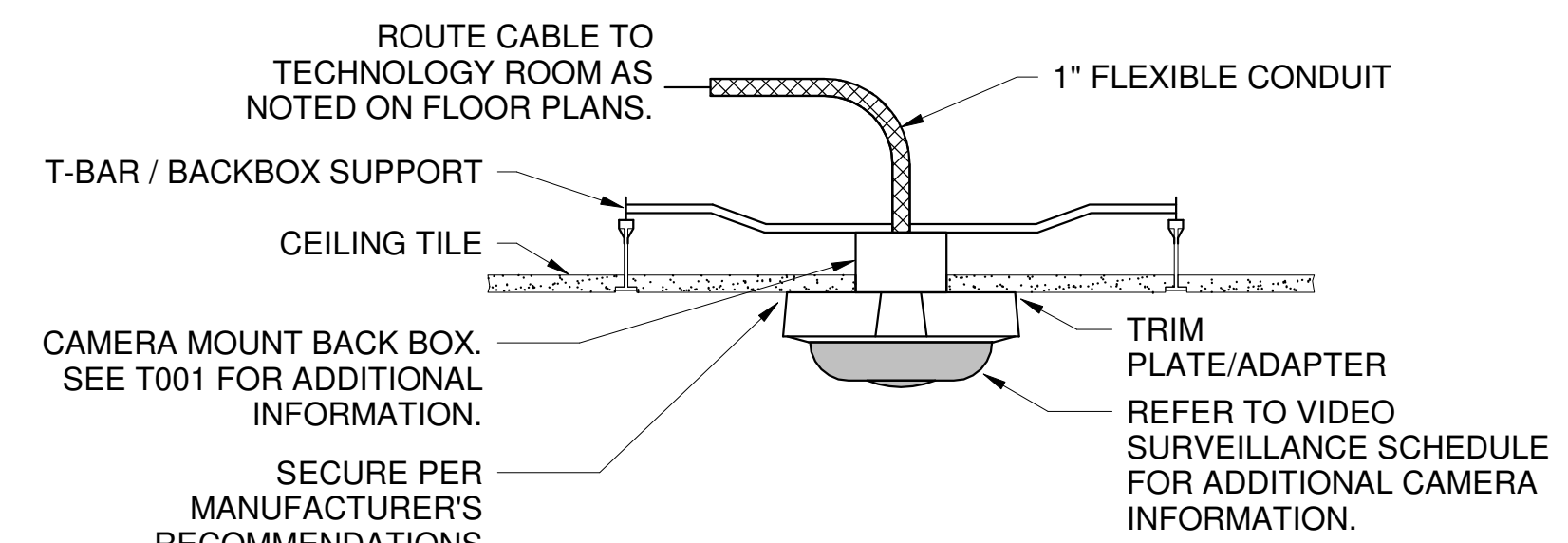
1 INTERIOR CAMERA - GYP CEILING OR INACCESSIBLE CEILING PANEL
NO SCALE



NOTES:

- REFER TO VIDEO SURVEILLANCE SCHEDULE FOR MOUNTING INFORMATION.
- REFER TO VIDEO SURVEILLANCE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- BACKBOX SHALL BE RATED TO SUPPORT ASSOCIATED DEVICE INSTALLATION. REFER TO DIVISION 26 SPECIFICATIONS FOR CONDUIT TYPE AND SUPPORT REQUIREMENTS.
- COORDINATE BACKBOX REQUIREMENTS AND SUPPORTS WITH DIVISION 26 CONTRACTOR PRIOR TO INSTALLATION.
- REFER TO DIVISION 07 SPECIFICATIONS FOR PENETRATION SEAL REQUIREMENTS.

2 EXTERIOR CAMERA - CEILING - SOFFIT
NO SCALE



NOTES:

- REFER TO DIVISION 26 SPECIFICATIONS FOR BACKBOX AND CONDUIT TYPE AND MOUNTING REQUIREMENTS.

3 INTERIOR CAMERA - ACOUSTICAL CEILING
NO SCALE

| VIDEO SURVEILLANCE SCHEDULE | | | | | | | | |
|-----------------------------|---------------------------|----------------------|---------|--------------------------------|---------------------|--------|---------|-------------------|
| CAMERA ID | LOCATION | CAMERA CONFIGURATION | | | MOUNTING CONDITIONS | | | |
| | | TYPE | SUBTYPE | AREA OF COVERAGE | TYPE | HEIGHT | DETAIL | TERMINATION POINT |
| CAM-109.1 | B109 - QUEUING | FIXED | 5 MP | QUEUING LINE AREA | CEILING | | 3/T-501 | D111 |
| CAM-109.2 | B109 - QUEUING | FIXED | 5 MP | QUEUING LINE AREA | CEILING | | 3/T-501 | D111 |
| CAM-110.1 | B110 - PRECHECK | FIXED | 5 MP | PRECHECK QUEUE AREA | CEILING | | 3/T-501 | D111 |
| CAM-110.2 | B110 - PRECHECK | FIXED | 5 MP | PRECHECK QUEUE AREA | CEILING | | 3/T-501 | D111 |
| CAM-111.1 | B111 - SECURITY SCREENING | FIXED | 5 MP | TRAVEL DOCUMENT CHECKER PODIUM | CEILING | | 3/T-501 | D111 |
| CAM-111.2 | B111 - SECURITY SCREENING | MULTISENSOR | 20 MP | TRAVEL DOCUMENT CHECKER PODIUM | CEILING | | 3/T-501 | D111 |
| CAM-111.3 | B111 - SECURITY SCREENING | FIXED | 5 MP | TRAVEL DOCUMENT CHECKER PODIUM | CEILING | | 3/T-501 | D111 |
| CAM-111.4 | B111 - SECURITY SCREENING | MULTISENSOR | 20 MP | TRAVEL DOCUMENT CHECKER PODIUM | CEILING | | 3/T-501 | D111 |
| CAM-111.5 | B111 - SECURITY SCREENING | FIXED | 5 MP | CHECKPOINT EXIT | CEILING | | 3/T-501 | D111 |
| CAM-111.6 | B111 - SECURITY SCREENING | FIXED | 5 MP | TRAVEL DOCUMENT CHECKER PODIUM | CEILING | | 3/T-501 | D111 |
| CAM-111.7 | B111 - SECURITY SCREENING | FIXED | 5 MP | TRAVEL DOCUMENT CHECKER PODIUM | CEILING | | 3/T-501 | D111 |
| CAM-156.1 | B156 - TSA CHECKPOINT | FIXED | 5 MP | BAGGAGE CHECK DESK | CEILING | | 3/T-501 | D111 |
| CAM-156.2 | B156 - TSA CHECKPOINT | FIXED | 5 MP | BAGGAGE CHECK DESK | CEILING | | 3/T-501 | D111 |
| CAM-156.3 | B156 - TSA CHECKPOINT | FIXED | 5 MP | BAGGAGE CHECK DESK | CEILING | | 3/T-501 | D111 |
| CAM-156.4 | B156 - TSA CHECKPOINT | MULTISENSOR | 20 MP | OVERALL CHECKPOINT | CEILING | | 3/T-501 | D111 |
| CAM-156.5 | B156 - TSA CHECKPOINT | MULTISENSOR | 20 MP | OVERALL CHECKPOINT | CEILING | | 3/T-501 | D111 |
| CAM-248.1 | PORCH OVERVIEW | FIXED | 5 MP | BAGGAGE CHECK DESK | CEILING | | 2/T-501 | D111 |

| ACCESS CONTROLLED DOOR SCHEDULE | | | | | | | | | | | | |
|---------------------------------|---------|-------------------|--------|-------------------|-----------------|--------------|----------------|-------------------------|--------------|----------------------|----------------|--|
| DOOR ID | DETAIL | CREDENTIAL READER | | LOCKING MECHANISM | REQUEST TO EXIT | DOOR MONITOR | FAIL OPERATION | AUTOMATIC DOOR OPERATOR | LOCAL ALARMS | FIRE ALARM INTERFACE | POWER TRANSFER | Comments |
| | | SIDE 1 | SIDE 2 | | | | | | | | | |
| B109A | - | CK | - | - | - | SM | - | - | - | - | - | COORDINATE CONNECTION WITH COILED SECURITY GRILLE OPERATOR WITH SECURITY GRILLE INSTALLER FOR CONTROL OF OPENING AND CLOSING OF GRILLE |
| B110A | - | CK | - | - | - | SM | - | - | - | - | - | COORDINATE CONNECTION WITH COILED SECURITY GRILLE OPERATOR WITH SECURITY GRILLE INSTALLER FOR CONTROL OF OPENING AND CLOSING OF GRILLE |
| B110B | 4/T-502 | CK | CK | EL | - | RM | FL | - | - | - | - | PT |
| B110N | - | CK | - | - | - | SM | - | - | - | - | - | COORDINATE CONNECTION WITH COILED SECURITY GRILLE OPERATOR WITH SECURITY GRILLE INSTALLER FOR CONTROL OF OPENING AND CLOSING OF GRILLE |
| B111 | 4/T-502 | CK | * | EL | - | RM | FL | - | - | - | - | PT |
| B150 | 4/T-502 | CK | * | EL | - | RM | FL | - | - | - | - | PT |
| B151 | 4/T-502 | CK | * | EL | - | RM | FL | - | - | - | - | PT |
| B152 | 4/T-502 | CK | * | EL | - | RM | FL | - | - | - | - | PT |
| B153 | 4/T-502 | CK | * | EL | - | RM | FL | - | - | - | - | PT |
| B154 | 4/T-502 | CK | * | EL | - | RM | FL | - | - | - | - | PT |
| B155 | 4/T-502 | CK | * | EL | - | RM | FL | - | - | - | - | PT |
| B159 | 5/T-502 | CK | CK | EL | - | RM | FL | - | - | - | - | PT |
| D111 | 4/T-502 | CK | * | EL | - | RM | FL | - | - | - | - | PT |
| D113 | 4/T-502 | CK | * | EL | - | RM | FL | - | - | - | - | PT |
| EXIT LANE 1 | 4/T-502 | CK | * | EL | - | RM | FL | - | - | - | - | PT |
| EXIT LANE 2 | 4/T-502 | CK | * | EL | - | RM | FL | - | - | - | - | PT |
| ID EMPLOYEE VERIFICATION READER | - | CK | * | - | - | - | - | - | - | - | - | - |

ACCESS CONTROL ABBREVIATIONS:

- | | | |
|--|---|--|
| <p>CREDENTIAL READER TYPES: BK: BIOMETRIC W/ KEYPAD BR: BIOMETRIC READER CK: CARD W/ KEYPAD CR: CARD READER KP: KEYPAD</p> <p>LOCKING MECHANISM TYPES: DE: DELAYED EGRESS EL: ELECTRONIC LOCK ES: ELECTRIC STRIKE GO: GATE OPERATOR ML: MAGNETIC LOCK PH: PANIC HARDWARE</p> | <p>REQUEST TO EXIT TYPES: MD: MOTION DETECTOR PB: PUSH BUTTON RX: INTERNAL MICROSWITCH</p> <p>DOOR MONITOR TYPES: BM: BALANCED MAGNETIC MS: MECHANICAL SWITCH RM: RECESSED MAGNETIC SM: SURFACE MAGNETIC</p> <p>FAIL OPERATION TYPES: FL: FAIL LOCKED FS: FAIL SAFE (UNLOCKED)</p> | <p>LOCAL ALARM TYPES: A: AUDIBLE ALARM V: VISUAL ALARM AV: AUDIBLE/VISUAL ALARM</p> <p>SYSTEM INTERFACES: DO: AUTO DOOR OPERATOR FA: FIRE ALARM INTERFACE PT: POWER TRANSFER DEVICE</p> <p>CUSTOMIZATION: *: SEE COMMENTS</p> |
|--|---|--|

ACCESS CONTROL GENERAL NOTES:

- REFER TO ARCHITECTURAL DRAWINGS FOR DOOR HARDWARE SCHEDULE.
- REFER TO DIVISION 08 SPECIFICATIONS FOR DOOR HARDWARE SETS.
- NOTIFY A/E OF DISCREPANCIES PRIOR TO INSTALLATION.

AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED
09/13/24 BID SET



ISSUED FOR BIDDING

MSH NO.: 0119700-231215.02
 DATE: 09/13/2024
 DESIGNED BY: JRM
 DRAWN BY: DAK
 CHECKED BY: JMV
DO NOT SCALE DRAWINGS

SHEET CONTENTS
SCHEDULES

SHEET NO.:

T-601

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AUGUSTA REGIONAL AIRPORT
CHECKPOINT MODERNIZATION

1501 AVIATION WAY, AUGUSTA, GA 30906

ISSUED
09/13/24 BID SET



ISSUED FOR BIDDING

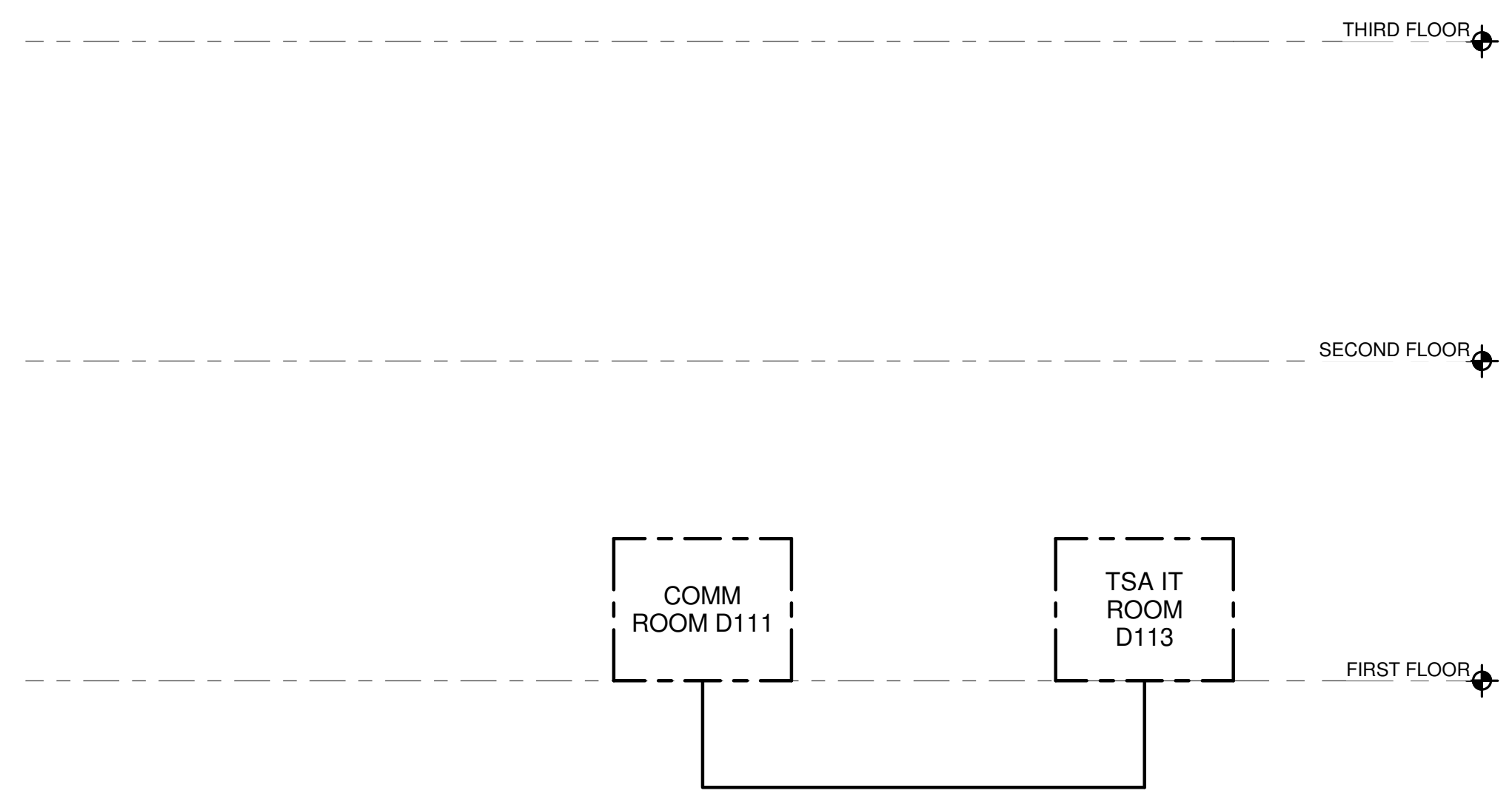
MSH NO.: 0119700-231215.02
 DATE: 09/13/2024
 DESIGNED BY: JRM
 DRAWN BY: DAK
 CHECKED BY: JMV

DO NOT SCALE DRAWINGS

SHEET CONTENTS
ONE-LINE DIAGRAMS

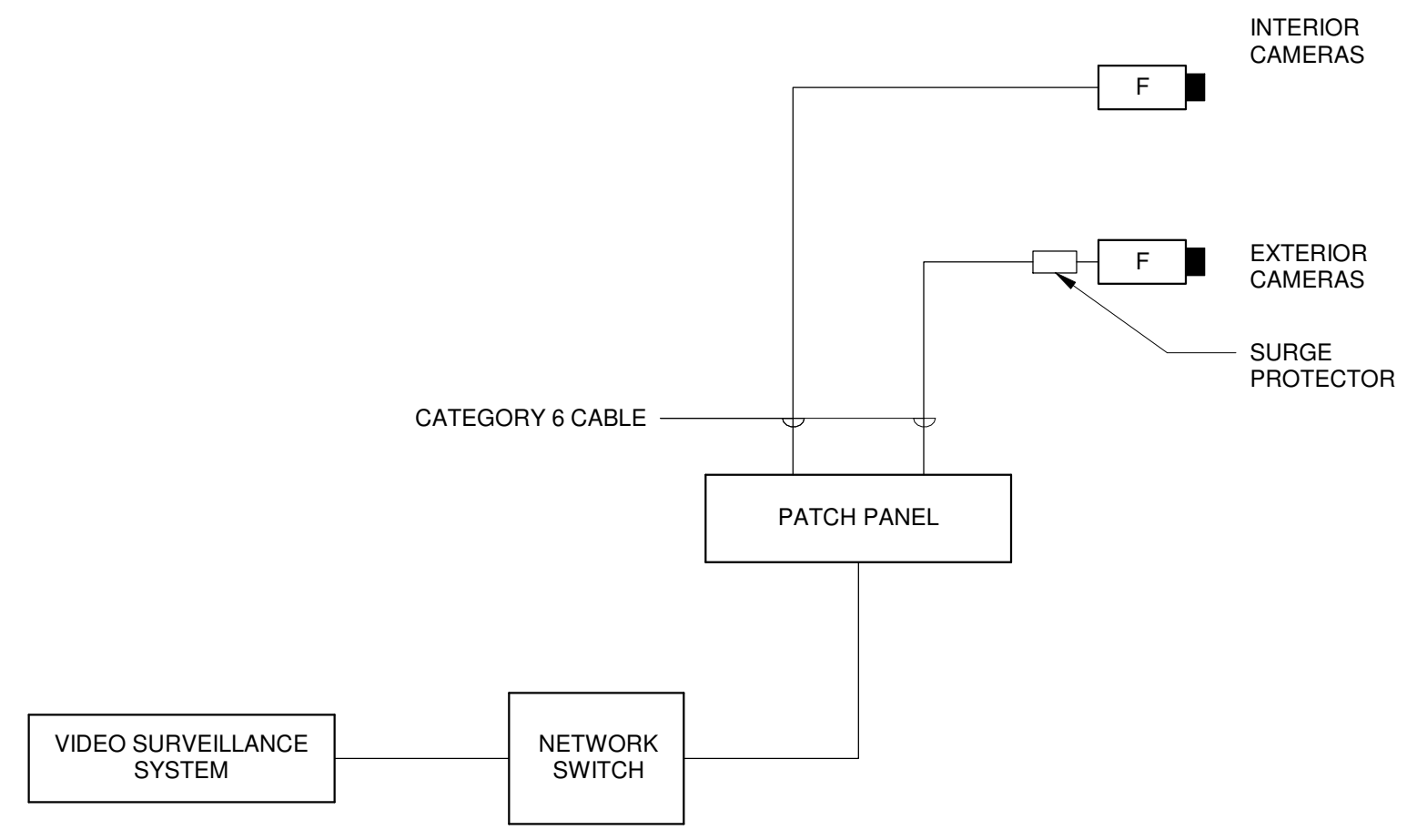
SHEET NO.:

T-701



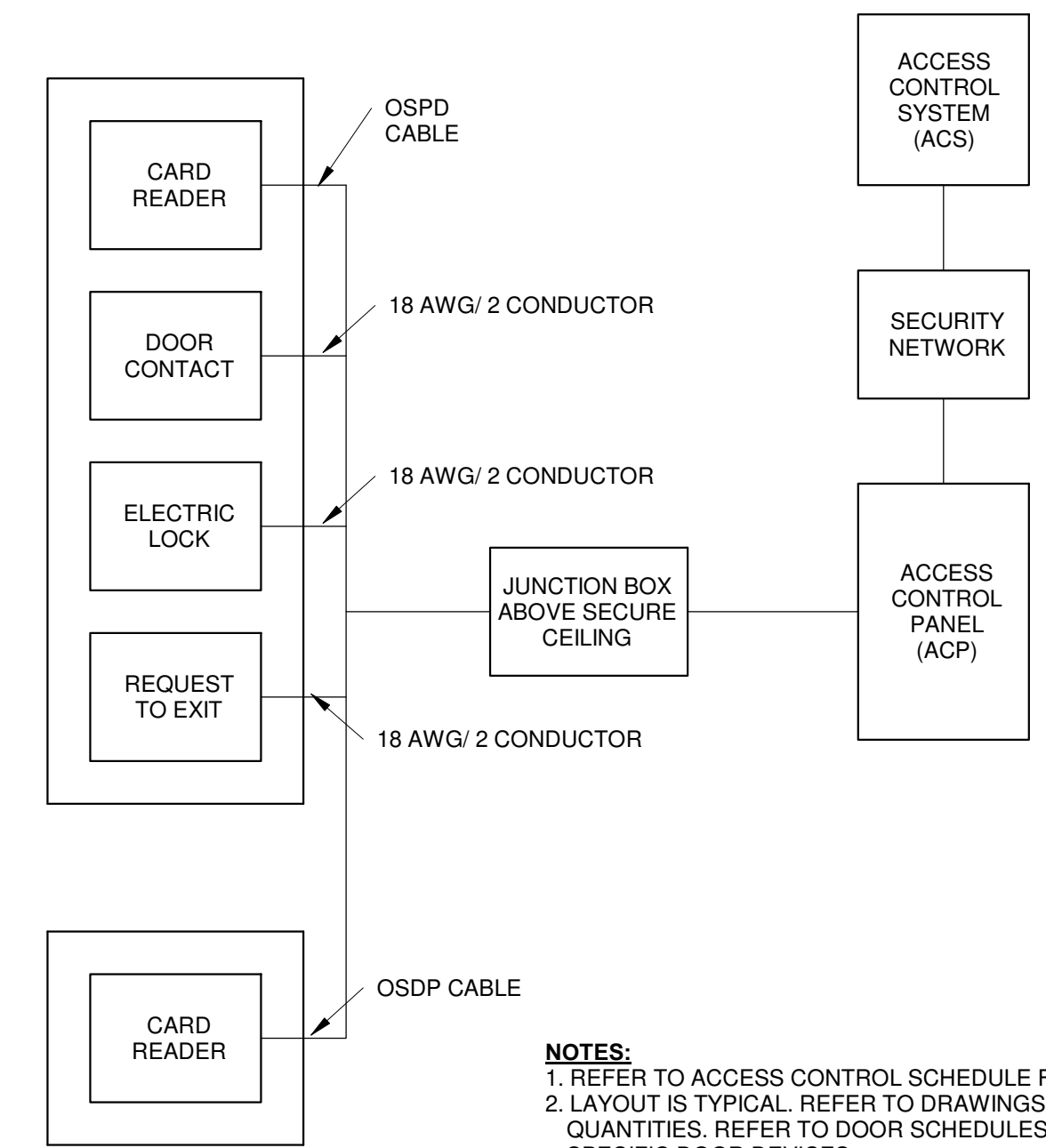
| BACKBONE CABLE SCHEDULE | | | | | |
|------------------------------------|-----------------|------------|---------------|---------|--|
| CROSS-SECTION | COPPER PAIRS | MMFO CABLE | SMFO CABLE | PATHWAY | REMARKS |
| TSA IT ROOM D113 TO COMM ROOM D111 | 6 - CAT6 CABLES | | 12 STRAND OS2 | | COORDINATE CAT6 TERMINATION WITH EXISTING TSA INCOMING UTILITY SIGNAL CONNECTION. TERMINATE FIBER IN D111 ON A WALL MOUNT FIBER ENCLOSURE NEAR DEMARCATION POINT. |
| | | | | | |
| | | | | | |
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| | | | | | |

1 TECHNOLOGY BACKBONE RISER DIAGRAM
NO SCALE



- NOTES:**
- CAMERAS ARE DIAGRAMMATIC ONLY; REFER TO DRAWINGS FOR ACTUAL QUANTITIES.
 - PROVIDE IN-LINE SURGE PROTECTION FOR ANY EXTERIOR CAMERA.
 - COORDINATE WITH ELEVATOR CONTRACTOR FOR ELEVATOR CAMERA.
 - CABLE SHALL BE RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.

3 CAMERA ONE-LINE DIAGRAM
NO SCALE



- NOTES:**
- REFER TO ACCESS CONTROL SCHEDULE FOR ABBREVIATIONS.
 - LAYOUT IS TYPICAL. REFER TO DRAWINGS FOR ACCESS CONTROL LOCATIONS AND QUANTITIES. REFER TO DOOR SCHEDULES AND DIVISION 08 71 00 SPECIFICATIONS FOR SPECIFIC DOOR DEVICES.
 - REFER TO DIVISION 28 10 00 FOR ACCESS CONTROL ROLES AND RESPONSIBILITIES. PROVIDE ALL EQUIPMENT AND CONNECTIONS NECESSARY TO PROVIDE A FULLY FUNCTIONAL SYSTEM.
 - CABLE SHALL BE RATED FOR THE ENVIROMENT FOR WHICH IT IS INSTALLED.

2 ACCESS CONTROL ONE-LINE DIAGRAM
NO SCALE