

5995 W. AMELIA EARHART DRIVE,
SALT LAKE CITY UTAH, 84116

Architect: Geroux Architects, PLLC
Contact: Joe Geroux, NCARB
917.686.6517

Owner Contact:
Erin Mathis - Facilities Engineer
801.505.6964



MARCH 6, 2024

These documents are being submitted for pricing only and have been submitted to Salt Lake City Building Permit. All final contractor to pricing to be adjusted based on the final approved permit set. All information is condential and shall not be shared with other parties.

CONSTRUCTION SET

ZONING: Salt Lake City Zoning Ordinance (Title 21A)

Zone: Salt Lake City M-1
Use: Warehouse
Lot Size: 23.49 Acres
Allowable Building Height: Maximum Structure Height 85'-0" (Not Applicable)
Actual Building Height: 32'-6"
Minimum Yard Requirements: Front & Corner Side 15'; Interior Side & Rear None

SUBCONSULTANTS:

Structural Engineer:
Dunn & Associates
380 W. 800 S. #100
Salt Lake City, Utah 84101

Electrical Engineering:
Hunt Electric Inc.
1863 Alexander Street
Salt Lake City, Utah 84119

LEGAL DESCRIPTION:

Lot 4, Bonneville Center Plat A Amended Lots 3 & 4.
7596-2684 7834-0864 7859-1093 9076-7702

PROJECT DATA : SQFT AREA

North Addition = 6,566 sqft
Total Area = 6,566 sqft

PROJECT DESCRIPTION:

The project includes the addition of new warehouse floor area for storage and distribution located on the North side of the existing facility.

CODE REVIEW:

Applicable Codes: Salt Lake City Building Department & Fire Department
2021 IEBC - Compliance Method = Prescriptive Compliance Method (Ch 3 & 5).
2021 International Building Code (IBC) w/ Utah State Amendments which Include:
Building, Plumbing, Fuel/Gas, Mechanical, and Fire Codes.
2020 National Electrical Code (NEC) State of Utah Title 15A requirements have been compiled into these CD's
2021 International Energy Conservation Code (IECC)
ANSI A117.1-2009

Occupancy	Existing Building = F-1
Construction Type	Existing Building = IIB (Ch 6)
Allowable Area	Unlimited
Actual Area	5,566 sqft (Addition)
Allowable Height	N/A (See 503.1.3) (Also Note 504.4 = 12 Stories w/ Sprinkler).
Actual Height	1 Story - 32'-6"
Number of Exits	Required = 2 Provided = 3
Seismic Design	Category = DII Design Wind Speed = See Structural
Sprinklers:	Provided with Existing Building. Will be provided to new addition. NFPA 13. Sprinkler Design is by Deferred Submittal. GC to Submit layout for Approval by Salt Lake City Fire Department and Authority Having Jurisdiction.
Fire Separations	508.3. Non - Required Existing 2 Hour Exterior Wall. All Penetrations will be fire caulked. 1 Hour provided between Electrical
Fire Resistance Ratings	See IBC Table 601 for Type II B - Building Elements (Hours) Primary Structure = 0 Bearing Walls = 0 (0 Exterior; 0 Interior) Non Bearing Walls & Partitions Ext. / Int. = 0 (Electrical Load requires this to have a 1 Hour Separation) Floor Construction = 0 (12" Concrete Slab on Grade) Roof Construction = 0 Exterior Walls based on Fire Separation Distance (Hours) = Greater than 30'-0" = 0
Plumbing Fixtures	N/A

DEFERRED SUBMITTALS:

1. Fire Alarm Systems / Controls
2. Fire Suppression Calculations / Shop Drawing Submittal
3. Metal Stud Framing & Siesmic Connections
4. Seismic Bracing for Mechanical, Electrical, Plumbing Components per ASCE 7.

MINIMUM R-VALUES:

IBC 2021 - 2021 IECC Table C402.1.3.

GLAZING (FENESTRATION U-FACTOR) = N/A
ROOF R-VALUE = R-30 ci
STEEL FRAMED WALL R-VALUE = R-20 + R3.8 ci
SLAB R-VALUE (within 4' of interior foundation) = R-15 for 24" below slab

GENERAL NOTES

1. IF THERE ARE ANY CONFLICTS BETWEEN ITEMS ON DRAWINGS AND GENERAL NOTES, THE MOST STRINGENT REQUIREMENT AND HIGHEST PRICE PRODUCT GOVERNS
2. ACTUAL SITE DIMENSIONS MAY VARY, CONTRACTOR TO VERIFY ALL DIMENSIONS BEFORE STARTING WORK. CONTRACTOR TO NOTIFY ARCHITECT UPON DISCOVERY OF ANY DISCREPENCIES.

SHEET INDEX:

GENERAL		PERMIT SUBMISSION 03/06/2024		
	COVER	X		
AG001	LIFE SAFETY SITE PLAN	X		
AG002	SPECIFICATIONS	X		
AG003	GENERAL SPECIFICATIONS	X		
A100	OVERALL SITE PLAN	X		
C1.0	ENLARGED SITE PLAN	X		
C2.1	GRADING PLAN	X		
C2.2	UTILITY PLAN	X		
C2.3	TRENCH DRAIN DETAILS	X		

ARCHITECTURAL

A200	DEMOLITION PLAN	X		
A201	FLOOR PLAN	X		
A202	ROOF PLAN	X		
A300	EXTERIOR ELEVATIONS	X		
A400	SECTIONS	X		
A500	DOOR SCHEDULE & DETAILS	X		

STRUCTURAL

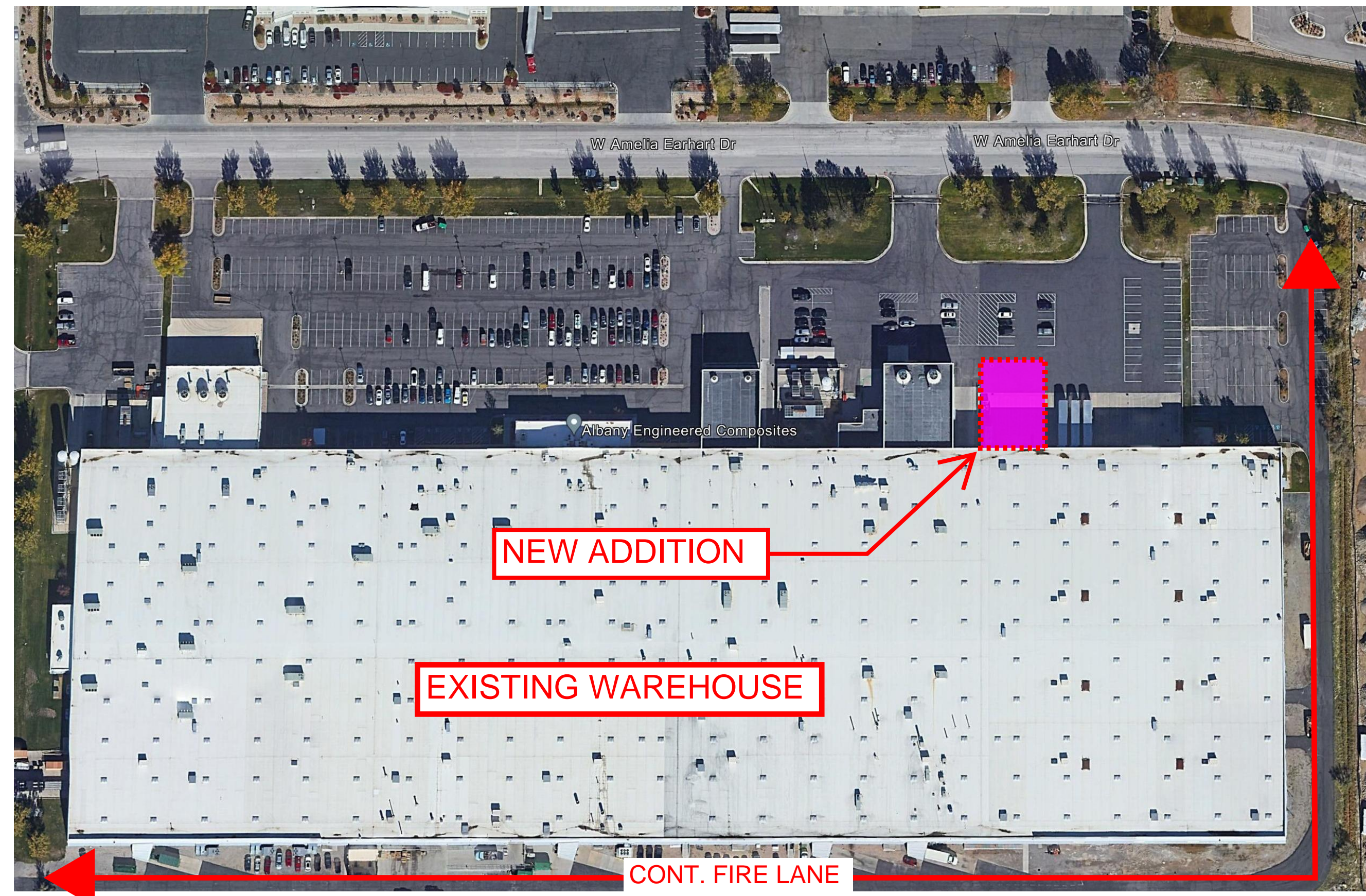
S001	STRUCTURAL NOTES	X		
S002	STRUCTURAL NOTES	X		
S003	STRUCTURAL NOTES	X		
S101	FOOTING FOUNDATION PLAN	X		
S102	ROOF FRAMING PLAN	X		
S201	MOMENT FRAME ELEVATIONS	X		
S202	MOMENT FRAME DETAILS	X		
S210	NEW WALL OPENING	X		
S303	WIND GIRT ELEVATIONS	X		
S501	FOOTING FOUNDATION DETAILS	X		
S502	FOOTING FOUNDATION DETAILS	X		
S701	ROOF FRAMING DETAILS	X		
S702	ROOF FRAMING DETAILS	X		
S801	SCHEDULES	X		
S802	SCHEDULES	X		

MECHANICAL / PLUMBING

M001	SYMBOLS - ABBREVIATIONS	X		
M002	MECHANICAL SPECS	X		
M100	MECHANICAL FLOOR PLAN	X		
P001	PLUMBING SPECS	X		
P100	PLUMBING FLOOR PLAN	X		

ELECTRICAL

E001	GENERAL NOTES	X		
E002	POWER SINGLE LINE	X		
E003	ELECTRICAL DETAILS	X		
E004	ELECTRICAL SCHEDULE	X		
E005	ELECTRICAL SCHEDULE	X		
E101	ENLARGE POWER LIGHTING PLAN	X		
E301	ENLARGED ELECTRICAL ROOM PLAN	X		





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No.	Description	Date
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Project Name
ALBANY NORTH ADD.

Sheet Title
**LIFE SAFETY PLAN
ASSEMBLY TYPES**

Scale Date
03.06.2024

GxA Project No.
24-002

Sheet No.

AG001

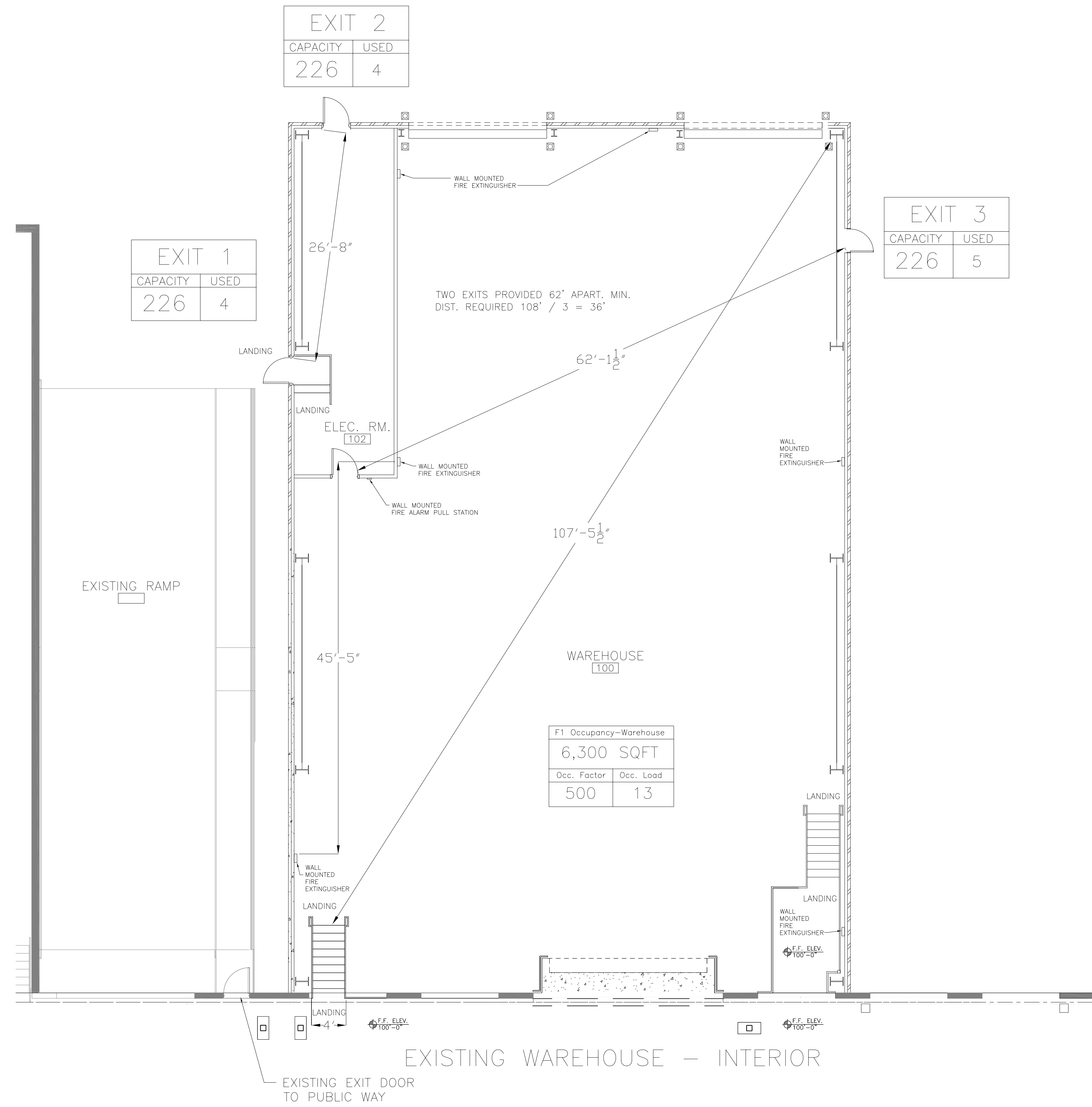


EXIT 2	
CAPACITY	USED
226	4

EXIT 3	
CAPACITY	USED
226	5

EXIT 1	
CAPACITY	USED
226	4

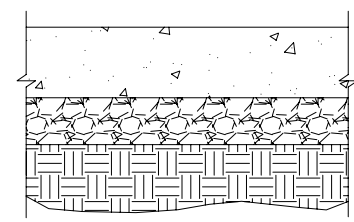
F1 Occupancy—Warehouse	
6,300 SQFT	
Occ. Factor	Occ. Load
500	13



GENERAL NOTES

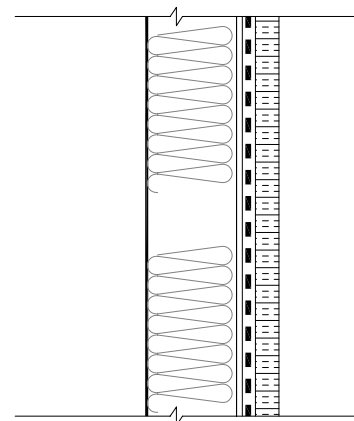
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES, OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- CONTRACTOR TO TAKE NECESSARY MEASURES TO PROTECT THE EXISTING BUILDING FROM DAMAGE
- CONTRACTOR TO LOCATE EXIT SIGNAGE AT EXITS AND ALONG EXIT ACCESS TRAVEL TO CLEARLY IDENTIFY LOCATION OF AND DIRECTION TO NEAREST EXIT. (SEE ELECTRICAL DWGS).
- CONTRACTOR TO COORDINATE ADDITIONAL DEFERRED FIRE SPRINKLER SUBMITTAL AS REQUIRED WITH FIRE MARSHALL AND AUTHORITY HAVING JURISDICTION.

FLOOR ASSEMBLY



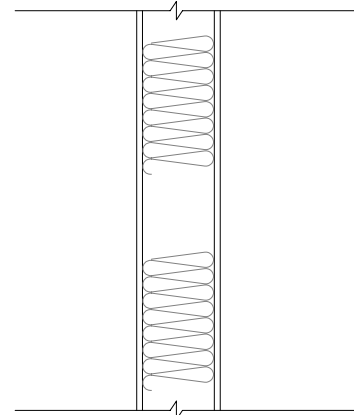
- F1 SLAB ON GRADE (WAREHOUSE)**
- 14" CONCRETE FLOOR SLAB
 - 4" THICK GRAVEL

EXTERIOR WALL ASSEMBLY



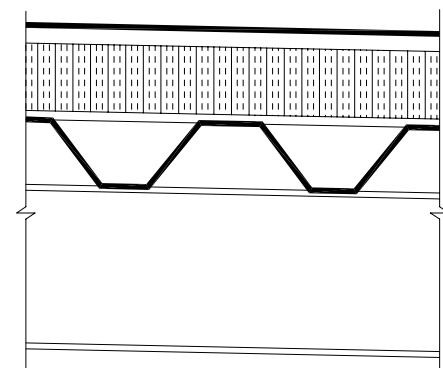
- W1 EFIS ON METAL STUD**
- 2" MIN. EIFS (NON-COMBUSTIBLE, R-4 MIN.)
 - 1/4" DRAINAGE PLANE
 - TYVEK OR SIMILAR BUILDING WRAP OR LIQUID APPLIED AIR / VAPOR BARRIER
 - 5/8" EXTERIOR GYPSUM BOARD
 - 6" STRUCTURAL STEEL STUDS
 - R - 21 UNFACED BATT INSULATION
 - INTERIOR WAREHOUSE LINER
 - WHITE REFLECTIVE INSULATION / VAPOR BARRIER

INTERIOR WALL ASSEMBLY



- W2 METAL STUD WITH GYPSUM
1 HR FIRE RATED WALL - UL 263 / U419**
- 5/8" TYPE X GYPSUM BOARD
 - 6" STEEL STUD (SPACING PER STRUCT).
 - FIBERGLASS INSULATION OPTIONAL
 - 5/8" TYPE X GYPSUM BOARD

ROOF ASSEMBLY



- R1 INSULATED ROOF MEMBRANE ON METAL DECK**
- 80 MIL WHITE SINGLE PLY PVC ROOF MEMBRANE (FULLY ADHERED)
 - 1/2" 100 PSI POLYISO COVERBOARD
 - TAPERED INSULATION AS REQUIRED FOR DRAINAGE
 - 6" POLYISO INSULATION BOARD (R-30)
 - VAPOR BARRIER MEMBRANE
 - 5/8" FIBER FACED GYPSUM ROOF BOARD
 - STEEL DECK ON SLOPED STRUCTURAL STEEL

(NOTE - TAPERED INSULATION & CRICKETS FOR ALL MECHANICAL PADS AND ROOF DRAINAGE PER ROOF PLAN.)

2 BUILDING ASSEMBLIES

AG001 SCALE: N.T.S.

1 OCCUPANCY EXIT & TRAVEL DISTANCE PLAN

AG001 SCALE: N.T.S.

ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116



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Project Name
ALBANY - NORTH ADD.

Sheet Title
**ARCHITECTURAL
SITE PLAN**

Scale: 1/64" = 1'-0" Date: 03.06.2024

Drawn: GxA Project No: 24-002

Sheet No.

A100

ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116

SALT LAKE CITY PARKING CALCULATIONS (SLC 21A.44.030)

Existing Building (Industrial Use) = Light Manufacturing 345,250 Sqft

Required

Minimum = 1 space per 1,000 Sqft = 346 Stalls
Maximum = No Maximum

Provided = 535 Parking Stalls (Existing)

New Manufacturing / Warehouse = 6,500 Sqft

Required

Minimum = 1 space per 1,000 Sqft = 7 Stalls

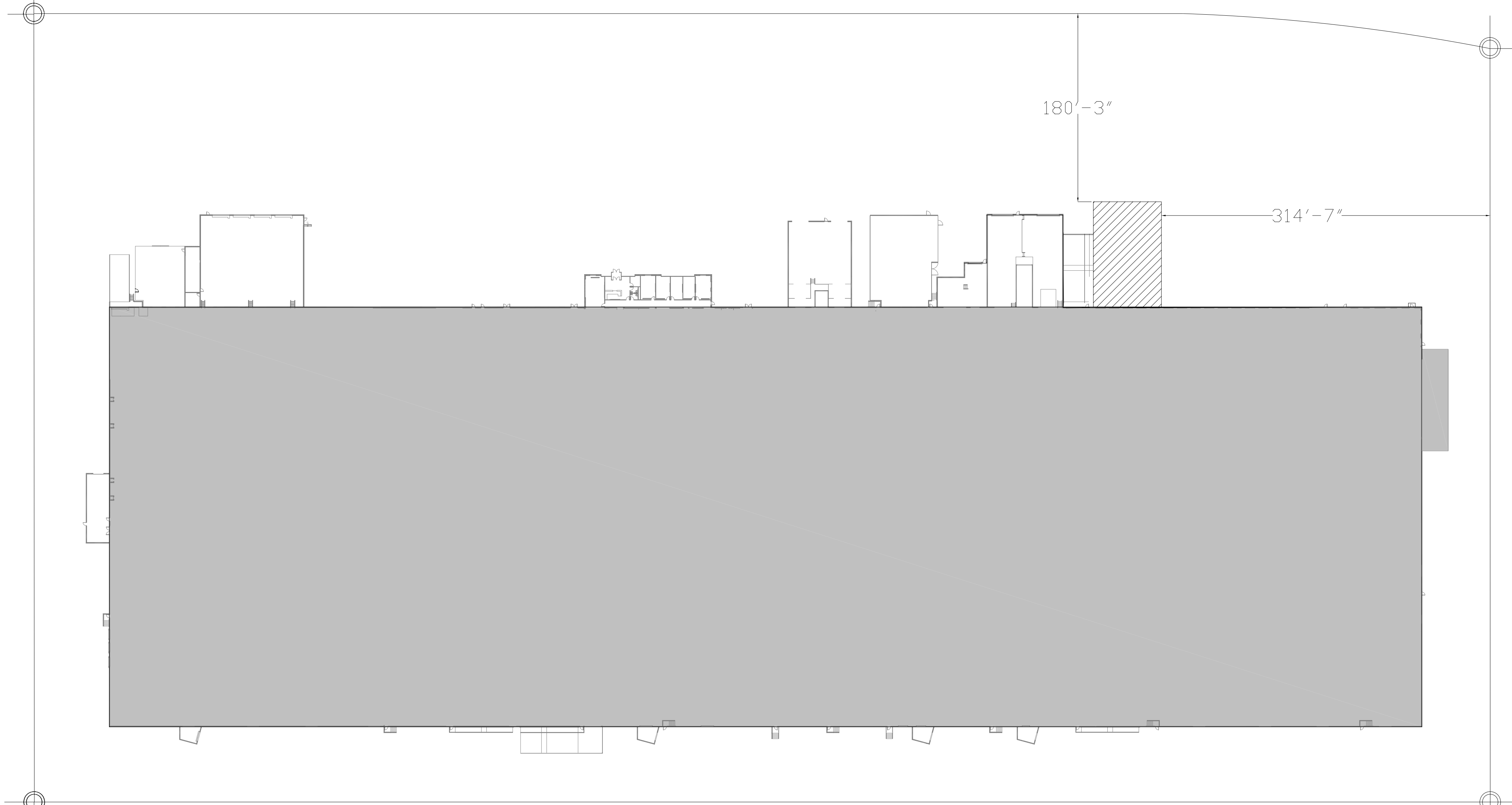
Provided

7 Parking Stalls (Existing)

2 PARKING CALCULATION

A100 SCALE: N/A

N 89°58'45" E 1164.19' (R&M)

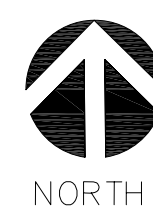


N 89°58'15" W 1393.00' (R&M)

S 00°01'15" E 734.62' (R&M)

1 ARCHITECTURAL SITE PLAN

A100 SCALE: 1/64" = 1'-0"



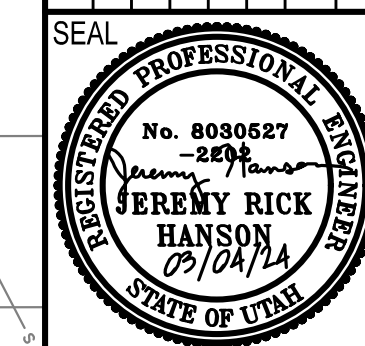
NORTH

GRAPHIC LEGEND

EXISTING BUILDING

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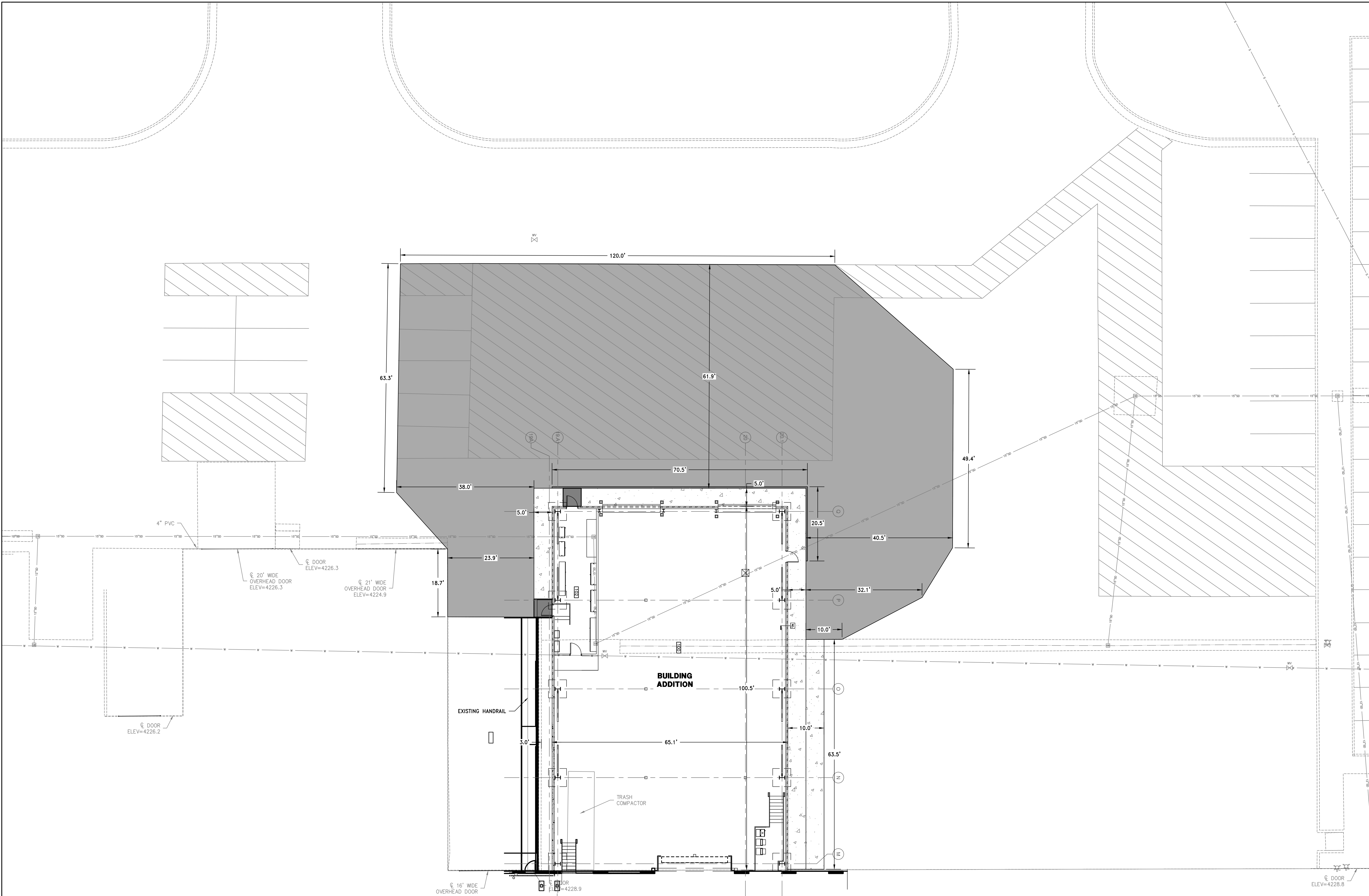
NO.	REVISIONS	BY	DATE



FOR: **ALBANY ENGINEERED COMPOSITES**
5995 AMELIA EARHART DRIVE
SALT LAKE CITY, UTAH

PROJECT: **ALBANY COMPOSITES ADDITION**
 SHEET: **SITE PLAN**

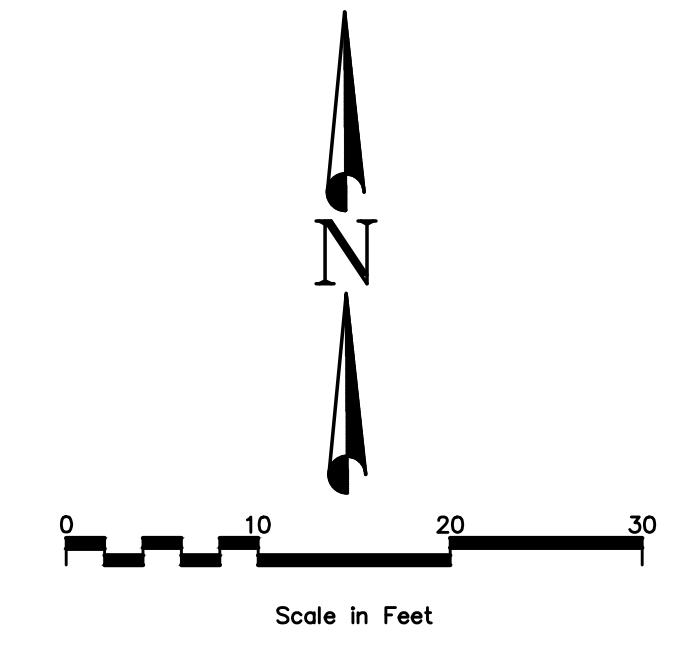
PROJECT NO. **3753**
 ISSUE DATE: **03.04.2024**
 SHEET NO. **C1.0**



LEGEND

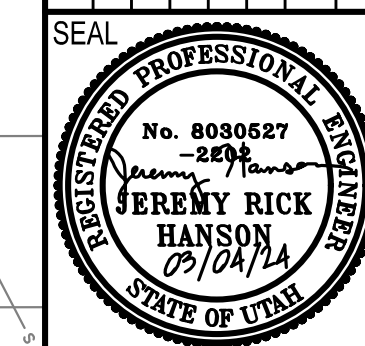
	PROPOSED ASPHALT
	PROPOSED CONCRETE
	PROPOSED 7" CONCRETE PAD

- GENERAL NOTES**
- EXISTING UTILITY INFORMATION SHOWN IS FOR INFORMATIONAL PURPOSES ONLY. IT IS DERIVED FROM RECORD DRAWINGS, AND ABOVE GROUND SURVEY. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES BEFORE BEGINNING CONSTRUCTION, AND NOTIFY ENGINEER WHEN UNEXPECTED UTILITIES ARE IDENTIFIED, OR WHEN SUBSTANTIAL DIFFERENCES IN UTILITY LOCATIONS ARE ENCOUNTERED.
 - ALL NEW CONSTRUCTION TO BE DONE IN ACCORDANCE WITH 2017 AMERICAN PUBLIC WORKS ASSOCIATION (APWA) AND SALT LAKE CITY STANDARDS. ALL WORK IN THE PUBLIC WAY SHALL CONFORM TO APWA 2017 STANDARD PLANS AND SPECIFICATIONS.



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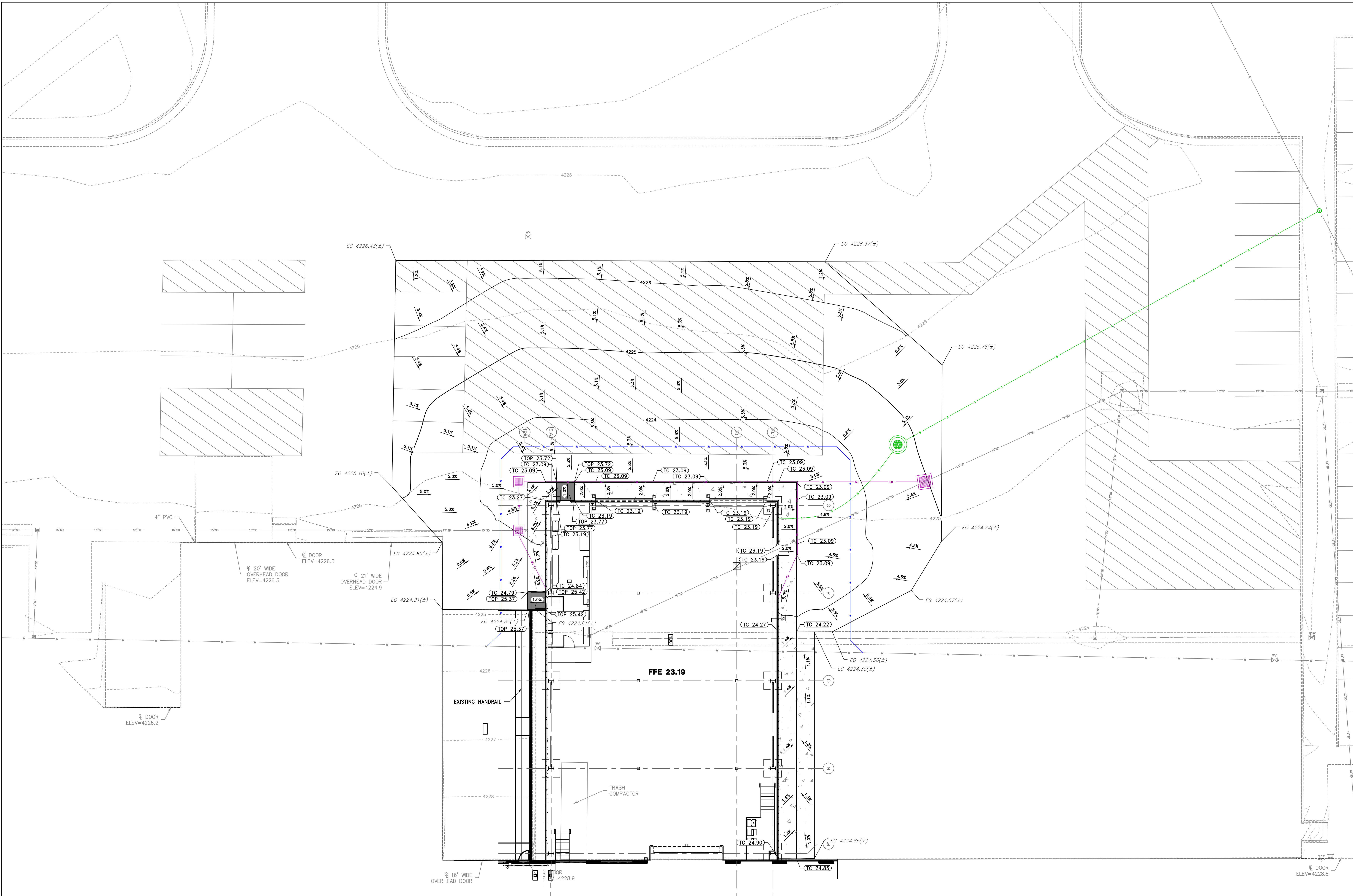
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FOR: **ALBANY ENGINEERED COMPOSITES**
5995 AMELIA EARHART DRIVE
SALT LAKE CITY, UTAH

DOMINION
Engineering Associates, L.C.
5664 South Green Street
Murray, Utah 84123 801-713-3000

PROJECT: **ALBANY COMPOSITES ADDITION**
SHEET: **GRADING PLAN**
PROJECT NO. **3753**
ISSUE DATE: **03.04.2024**
SHEET NO. **C2.1**

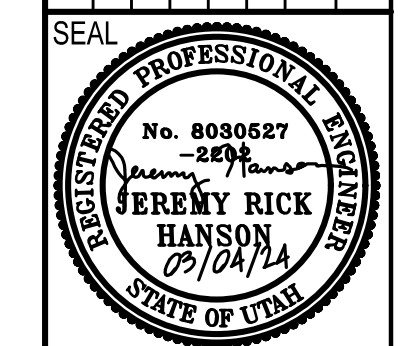


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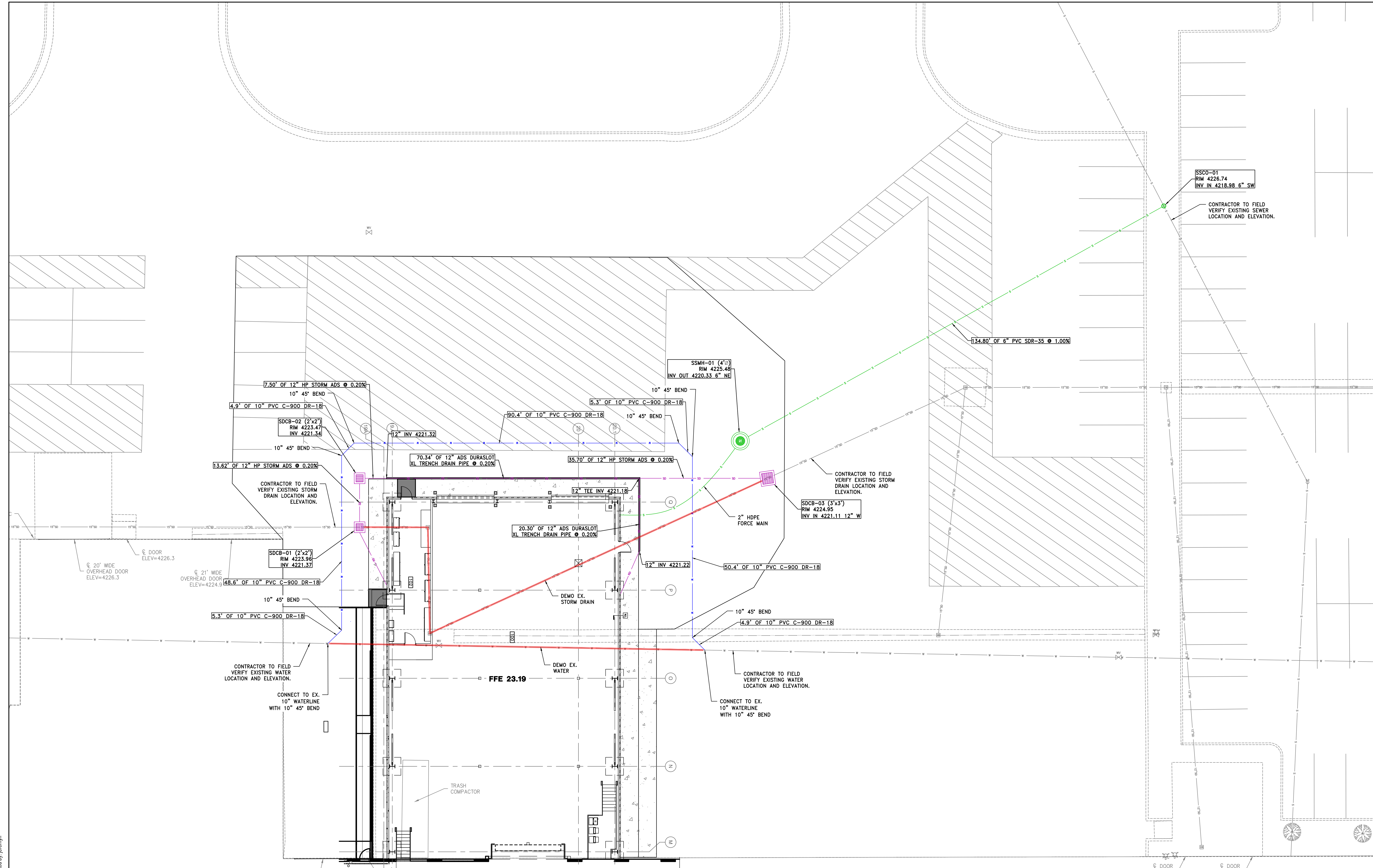
NO.	REVISIONS	BY	DATE



ALBANY ENGINEERED COMPOSITES
 5995 AMELIA EARHART DRIVE
 SALT LAKE CITY, UTAH

FOR: **DOMINION**
 Engineering Associates, L.C.
 5664 South Green Street
 Murray, Utah 84123 801-713-3000

PROJECT: ALBANY COMPOSITES ADDITION
 SHEET: 3753
 ISSUE DATE: 03.04.2024
 SHEET NO.: C2.2



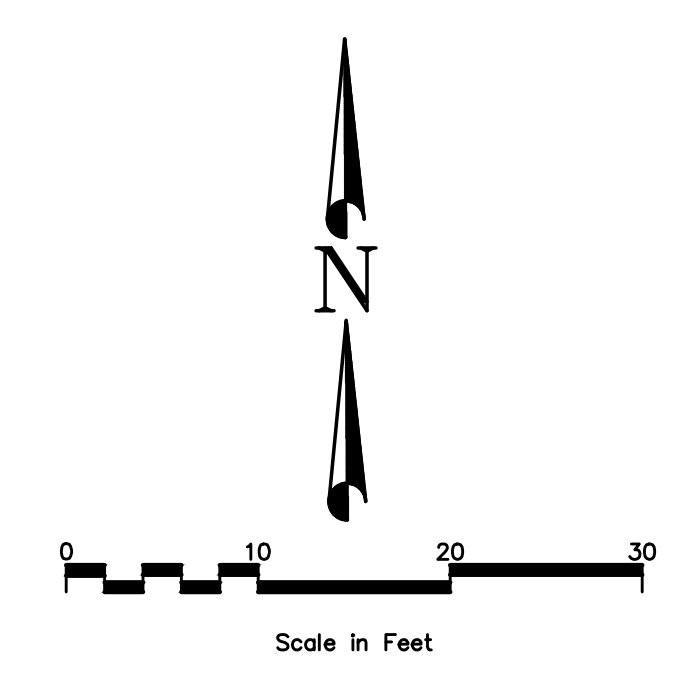
UTILITY NOTES

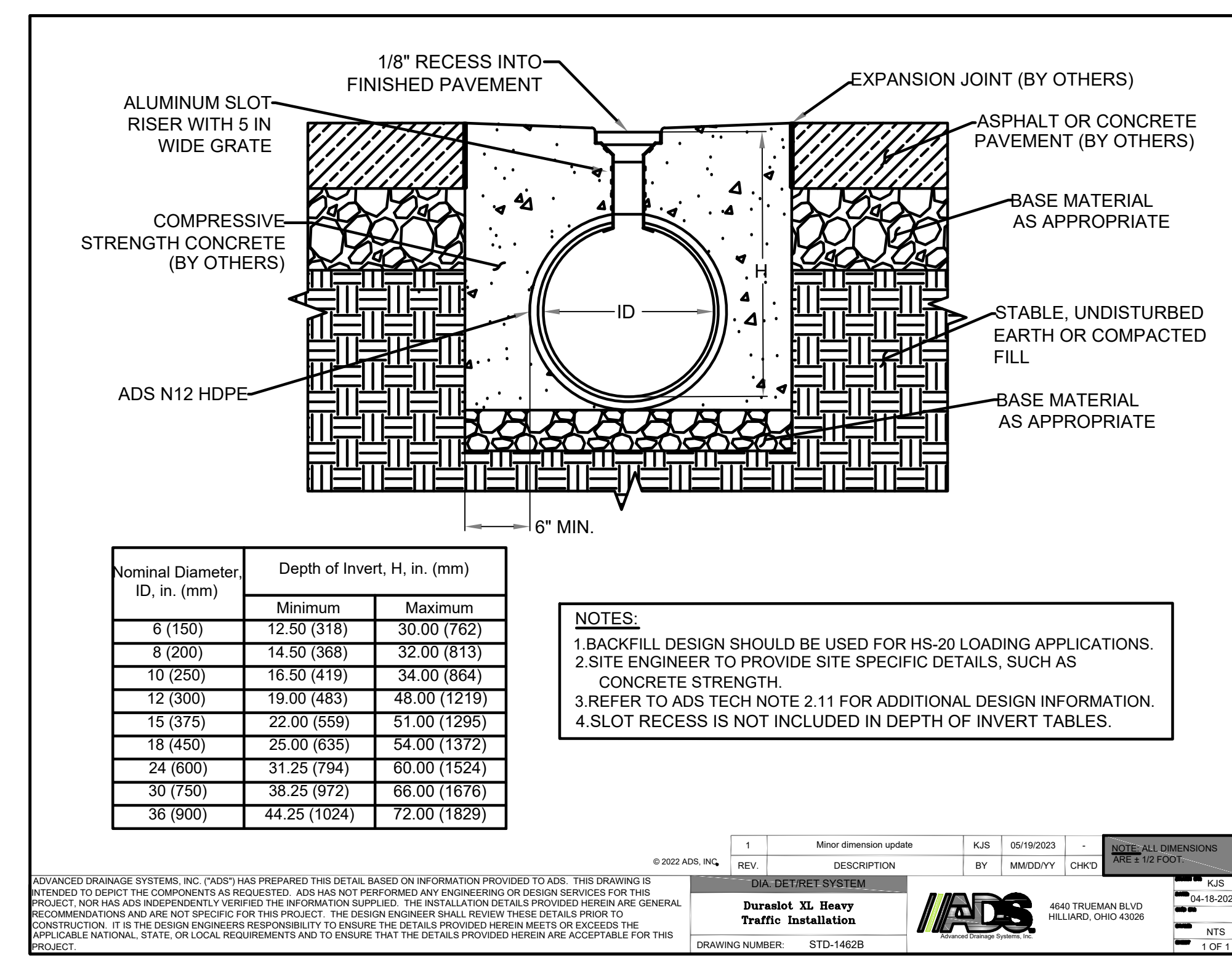
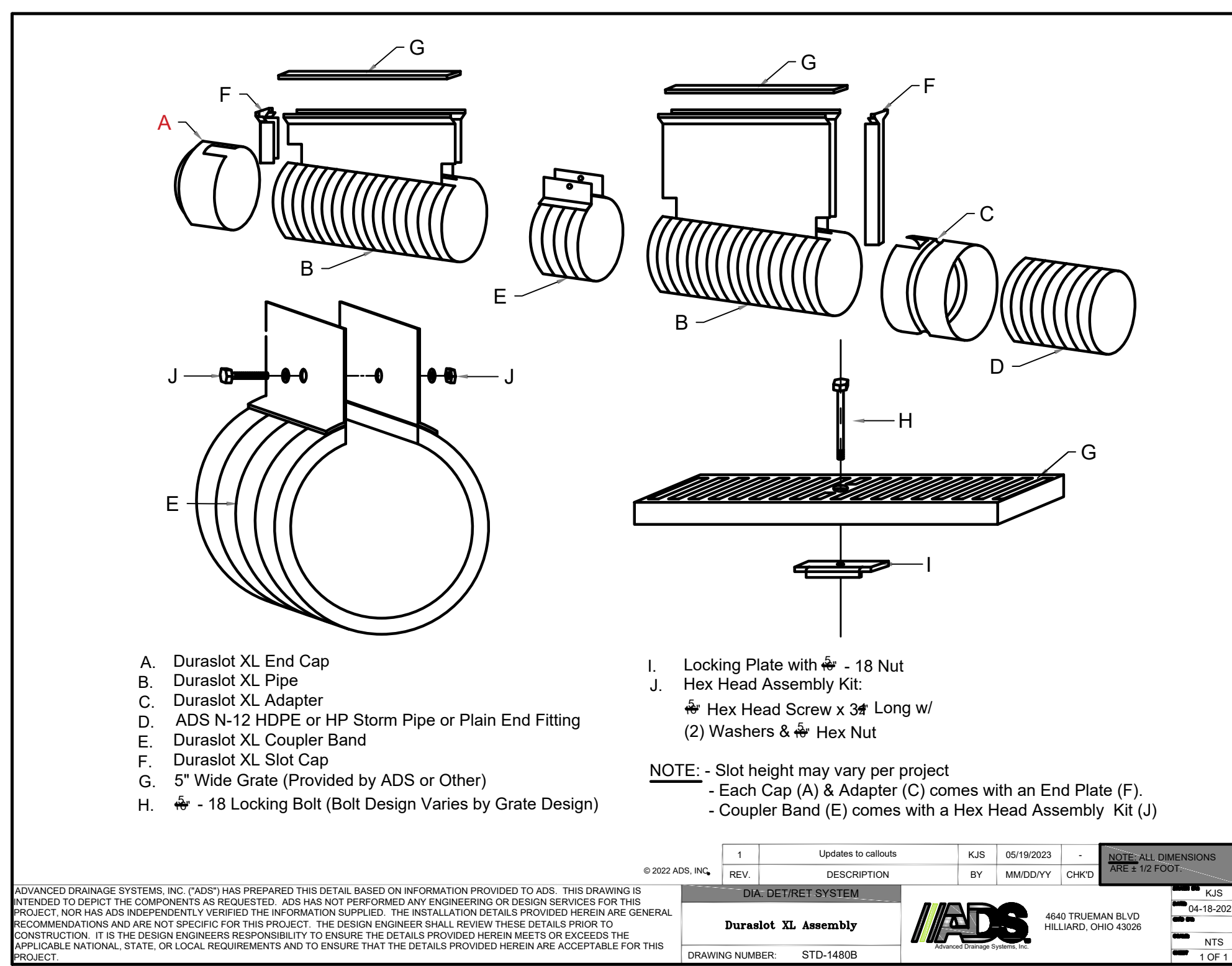
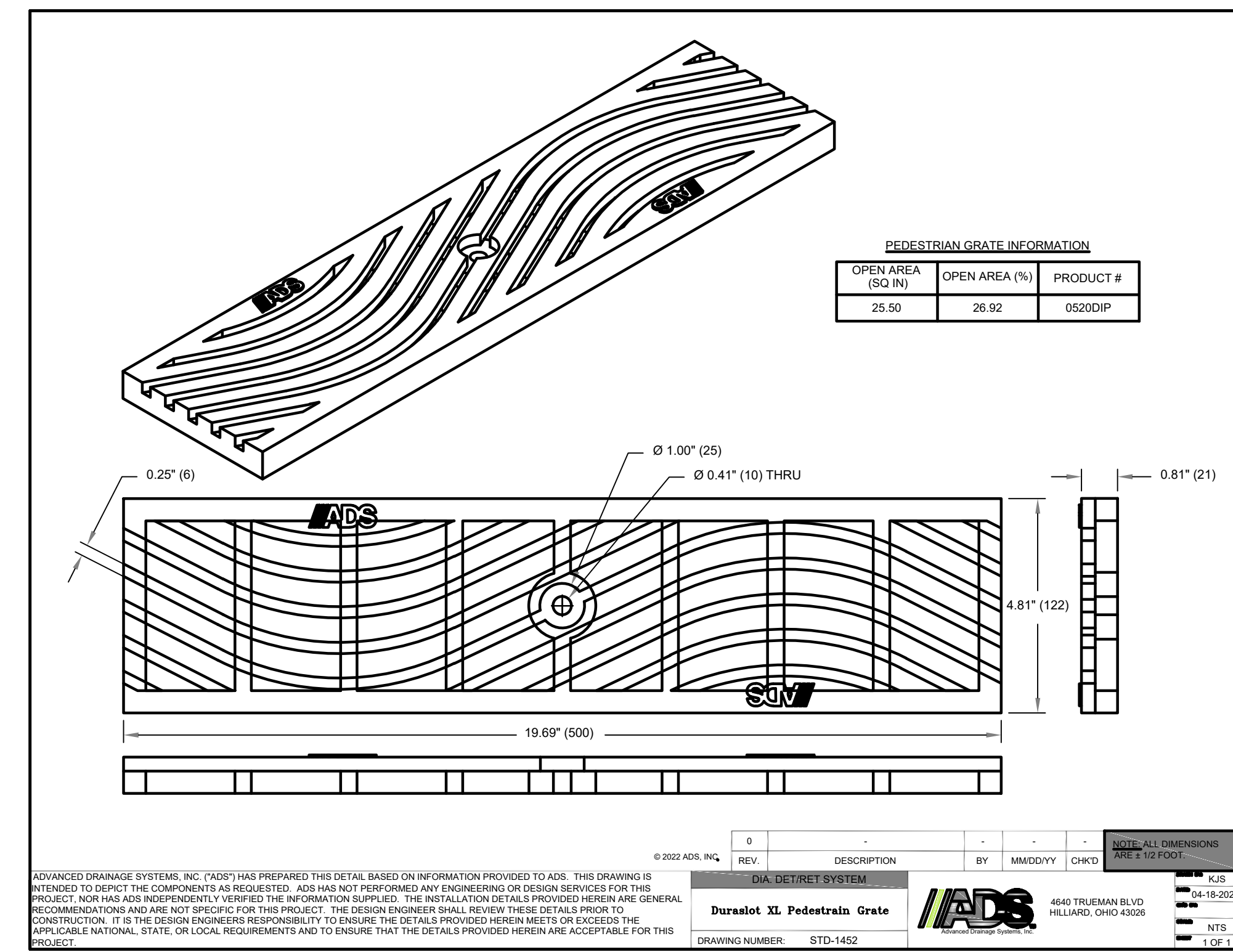
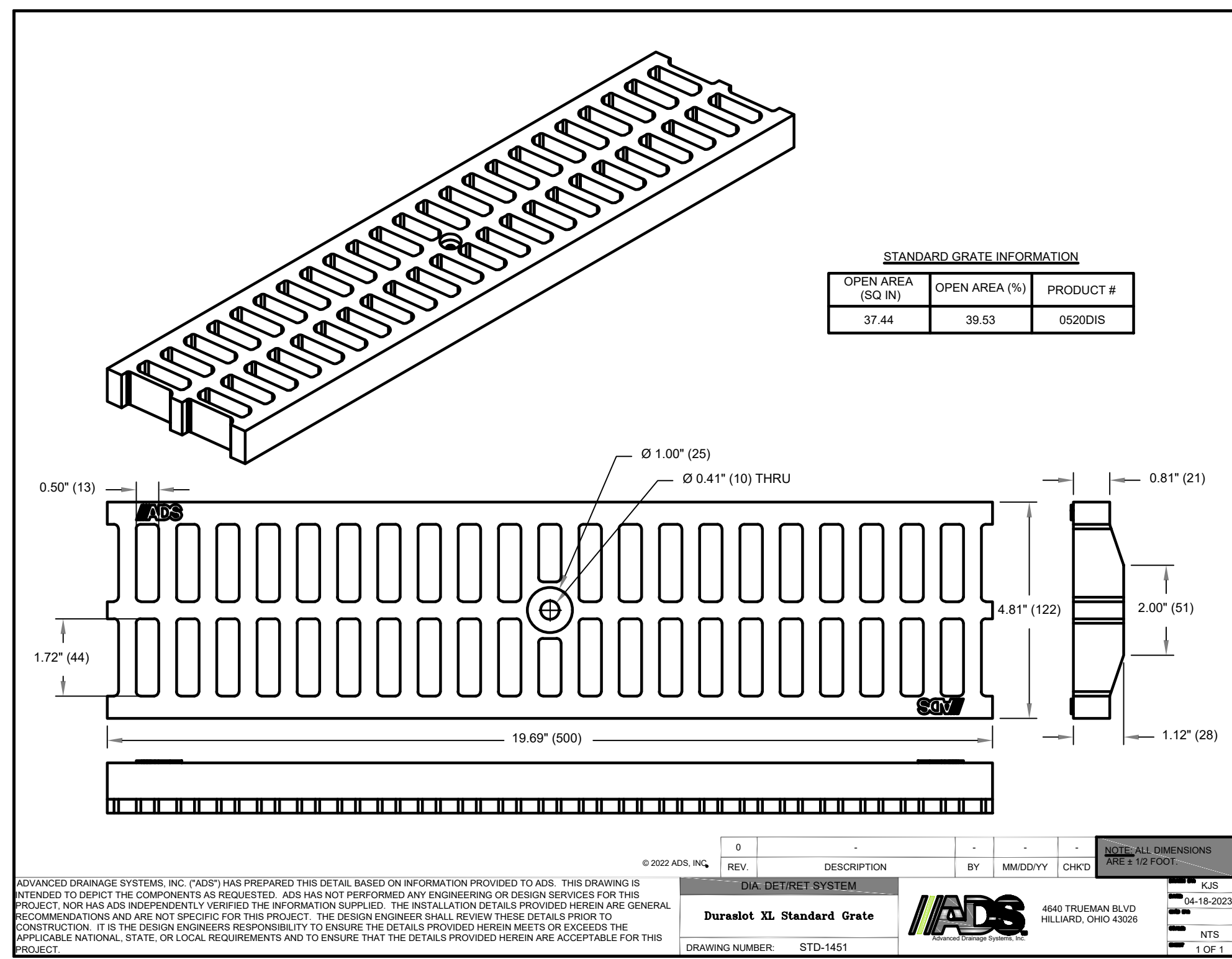
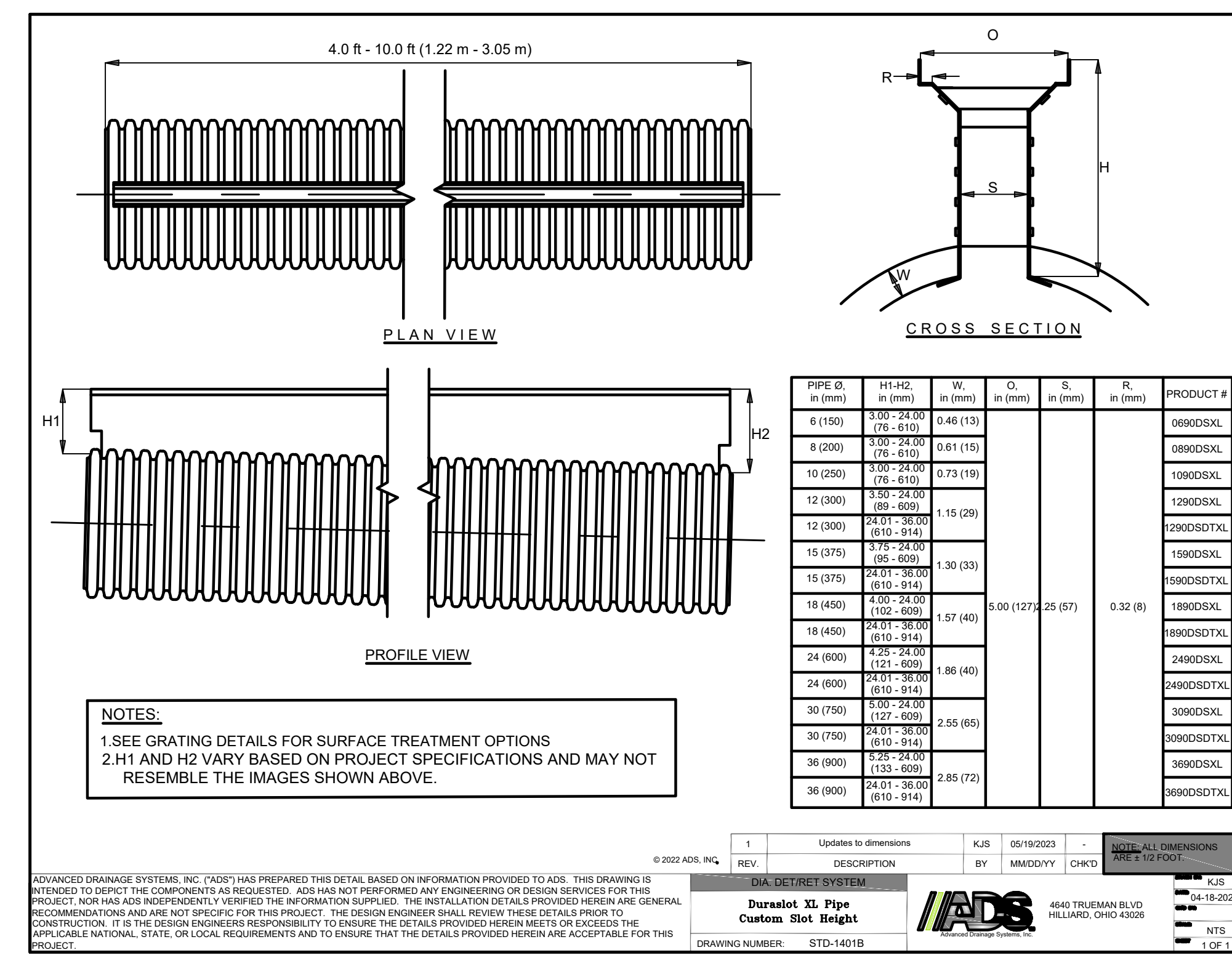
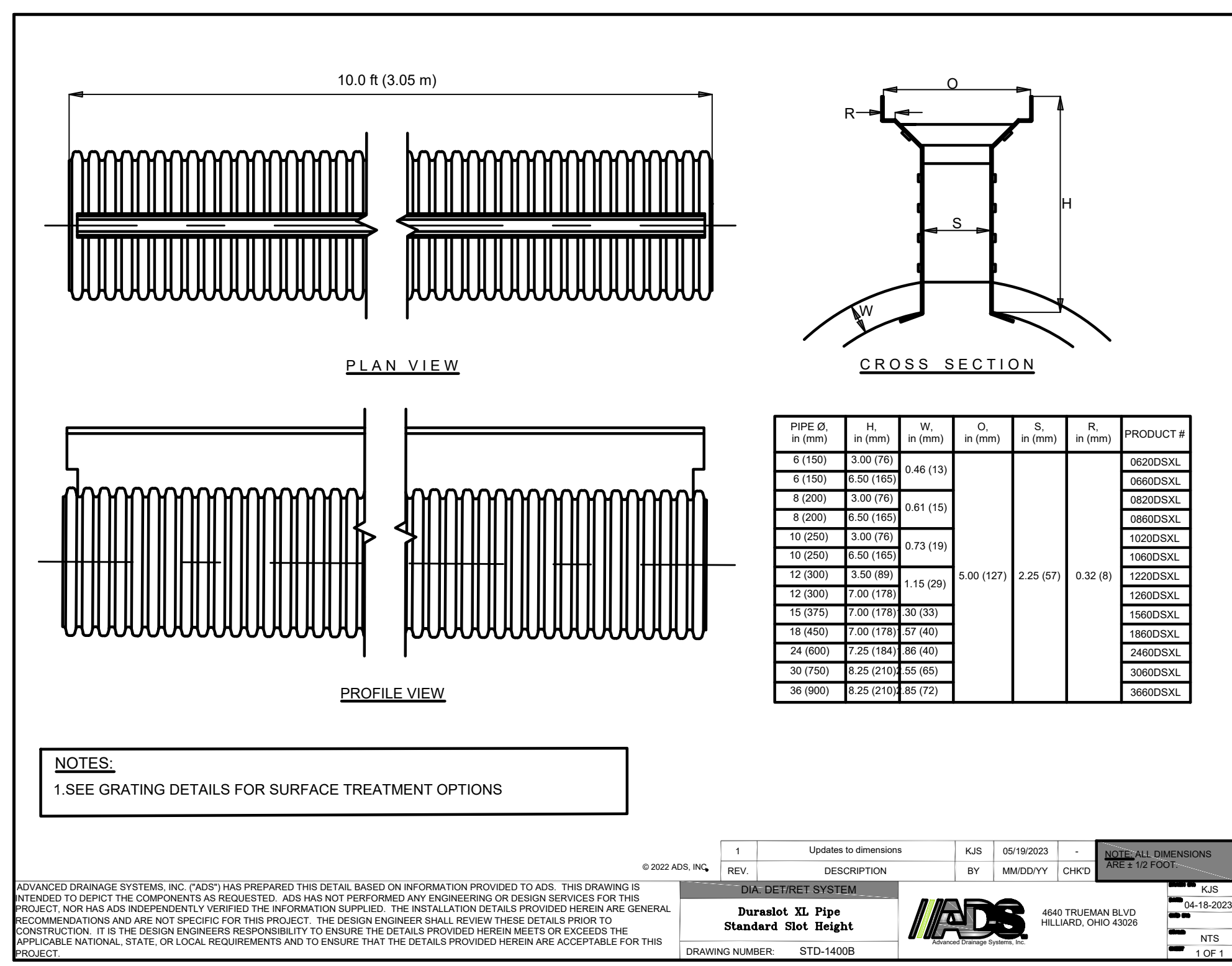
1. INSTALL TRENCH DRAIN PER ADS DURASLOT XL HEAVY TRAFFIC INSTALLATION DETAIL - SEE SHEET C2.3.
2. SEE SHEET C2.3 FOR TRENCH DRAIN DETAILS.
3. ALL UTILITY STRUCTURES AND RIMS/GRATES TO BE RATED FOR HEAVY DUTY TRAFFIC.
4. ROOF DRAIN SHOWN FOR REFERENCE. SEE MECHANICAL/PLUMBING PLANS.
5. 2" HDPE SEWER FORCE MAIN SHOWN FOR REFERENCE. SEE MECHANICAL/PLUMBING PLANS.
6. CONTRACTOR TO NOTIFY ENGINEER IF EXISTING UTILITIES FOUND TO BE IN SIGNIFICANTLY DIFFERENT LOCATION OR ELEVATION.
7. THRUST BLOCKS TO BE INSTALLED ON WATER FITTINGS PER NFPA STANDARDS.

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REVISIONS BY DATE

NO. DESIGNER: MKH CHECKER: JPH MANAGER: JPH

SEAL

FOR: ALBANY ENGINEERED COMPOSITES

LOCATION: 5995 AMELIA EARHART DRIVE SALT LAKE CITY, UTAH

PROJECT NO. 3753

ISSUE DATE: 03.04.2024

SHEET NO. C2.3

PROJECT: ALBANY COMPOSITES ADDITION

SHEET: TRENCH DRAIN DETAILS





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Project Name
ALBANY NORTH ADD.

SHEET TITLE
DEMOLITION FLOOR PLAN

Scale: **3/16" = 1'-0"** Date: **03.06.2024**

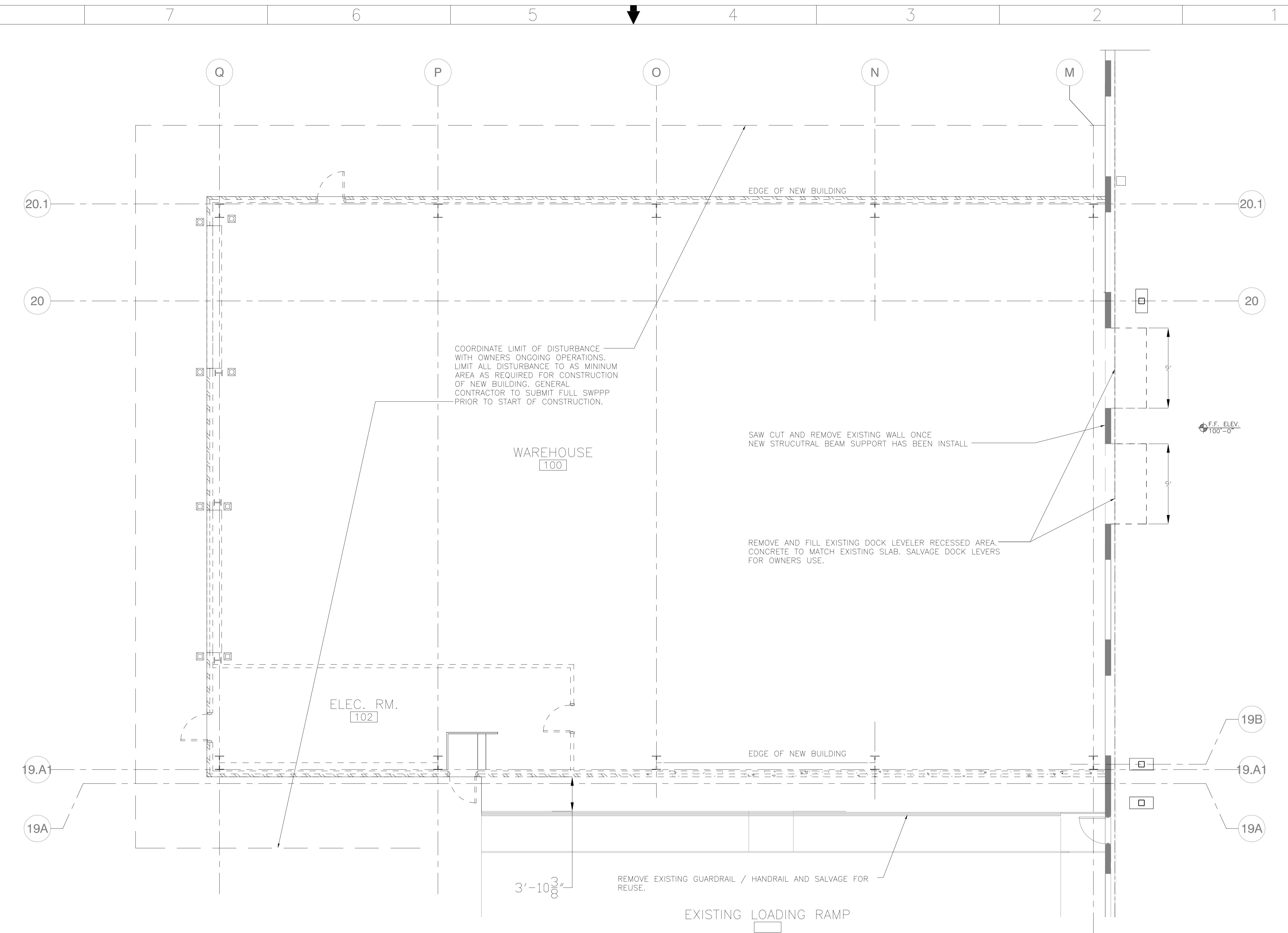
Drawn: **GxA** Project No.: **24-002**

Sheet No.



A200

ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116



1 DEMOLITION FLOOR PLAN
A200 SCALE: 3/16" = 1'-0"

GENERAL NOTES

- 1. DO NOT SCALE DRAWINGS.

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Subconsultants
Dunn & Associates
380 W. 800 S. #100
Salt Lake City, Utah 84101

Hunt Electric, Inc.
1863 Alexander Street
Salt Lake City, Utah 84119

Owner / Project Contact

Albany
Engineered
Composites

Tax Parcel ID #:
07-35-252-003-0000



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Project Name
ALBANY NORTH ADD.

Sheet Title
LEVEL ONE FLOOR PLAN

Scale
3/16"=1'-0"

Date
03.06.2024

Drawn
GxA

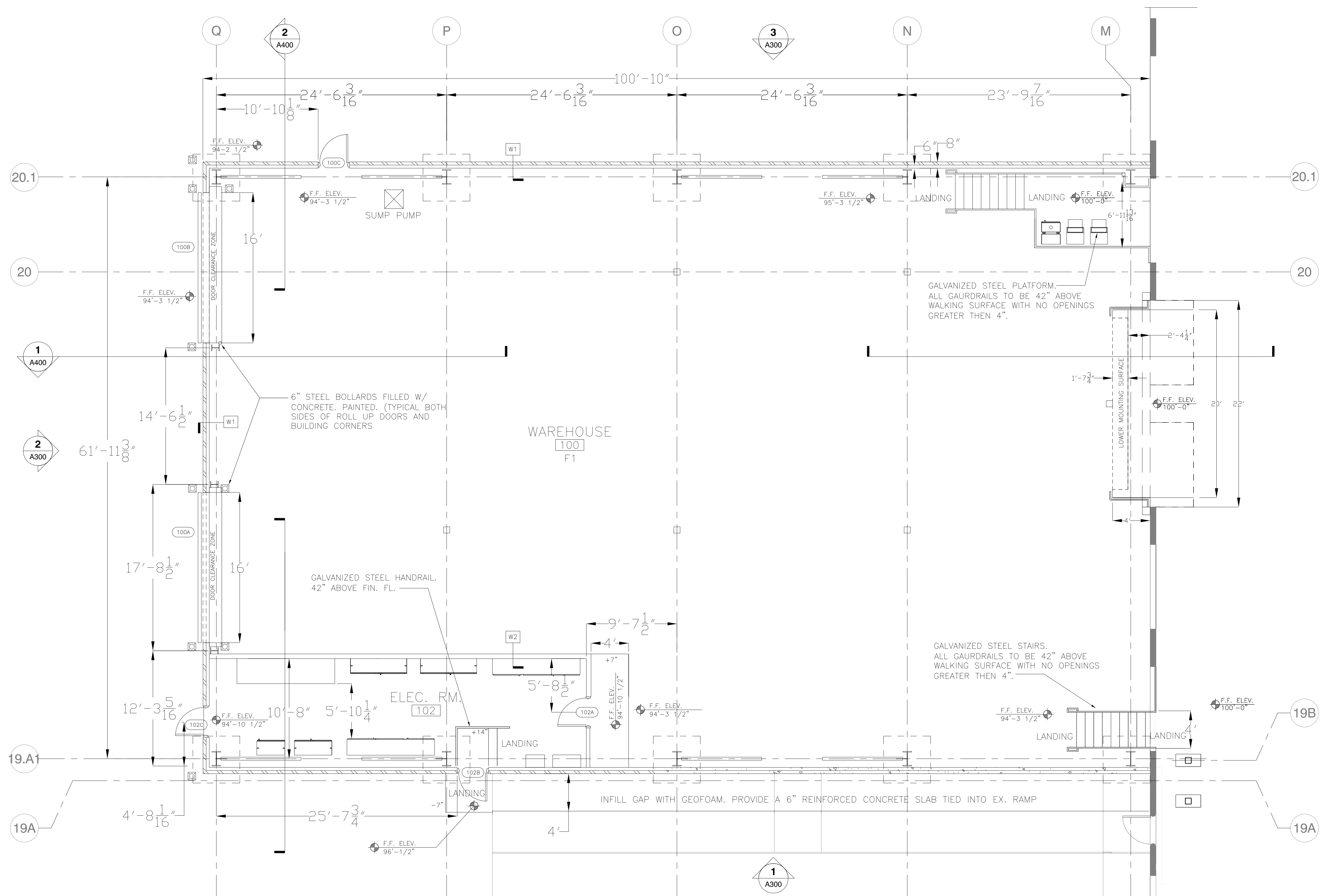
Project No.
24-002

Sheet No.

A201



ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116



1 LEVEL ONE FLOOR PLAN
A201 SCALE: 3/16" = 1'-0"

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No.	Description	Date
1	PERMIT SUBMISSION	3/6/24
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3		
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Project Name
ALBANY NORTH - ADD.

Sheet Title
ROOF PLAN

Scale
3/16"=1'-0"

Date
03.06.2024

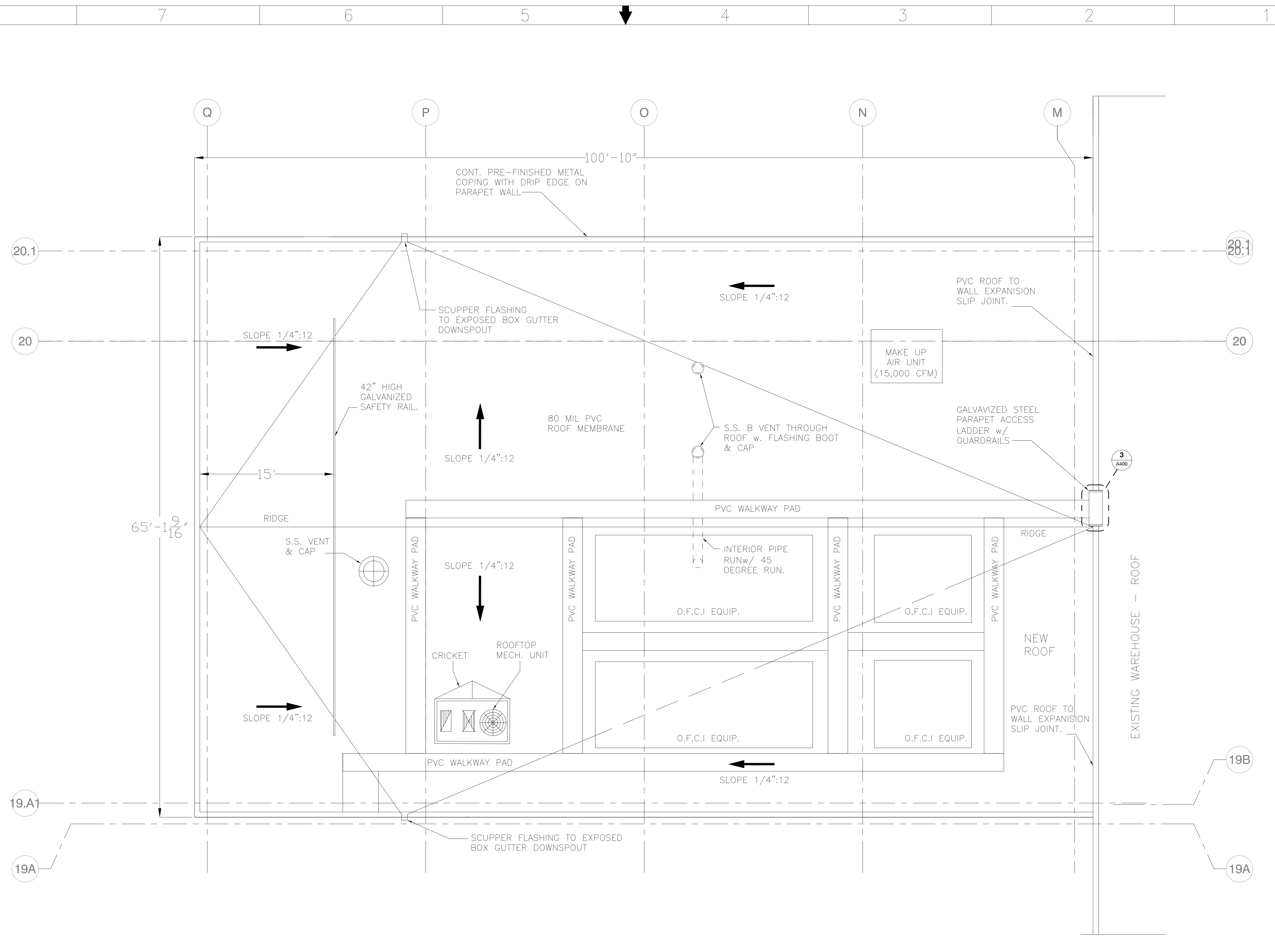
Drawn
GxA

Project No.
24-002

Sheet No.

A202

ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116



1 ROOF PLAN
A202 SCALE: 3/16" = 1'-0"



PLAN NORTH

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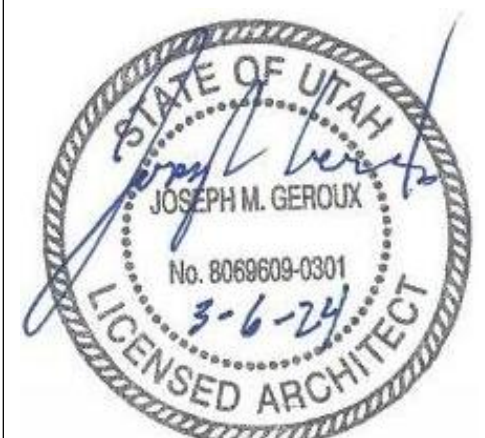
Subconsultants
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Hunt Electric, Inc.
1863 Alexander Street
Salt Lake City, Utah 84119

Owner / Project Contact

Albany
Engineered
Composites

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Project Name
ALBANY NORTH - ADD.

Sheet Title
EXTERIOR ELEVATIONS

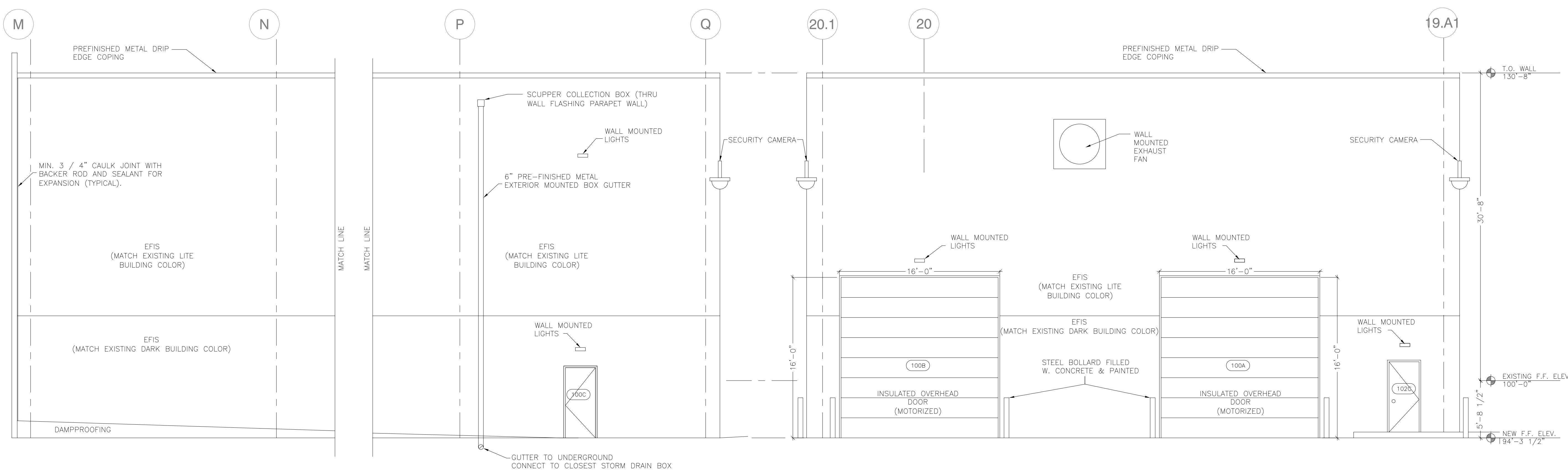
Scale
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03.06.2024

Drawn
GxA Project No.
24-002

Sheet No.

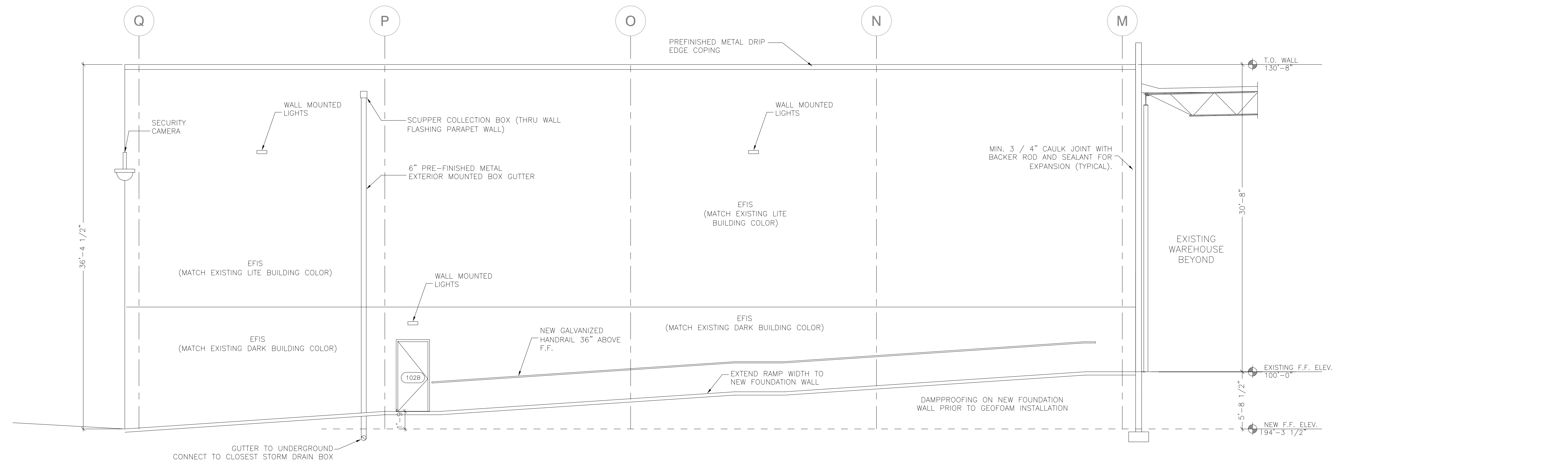
A300

ALBANY ENGINEERED COMPOSITES - 5995 W. AMEL EARHART DRIVE, SALT LAKE CITY UTAH, 84116



3 EAST ELEVATION
A300 SCALE: 3/16" = 1'-0"

2 NORTH ELEVATION
A300 SCALE: 3/16" = 1'-0"



1 WEST ELEVATION
A300 SCALE: 3/16" = 1'-0"

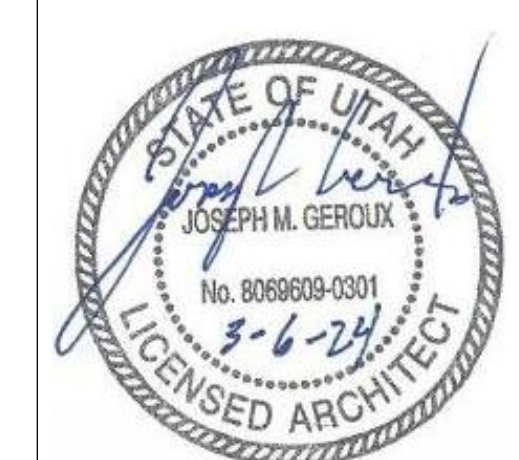
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Project Name
ALBANY MEZZANINE

Sheet Title
BUILDING SECTIONS

Scale
1/4"=1'-0"

Date
03.06.2024

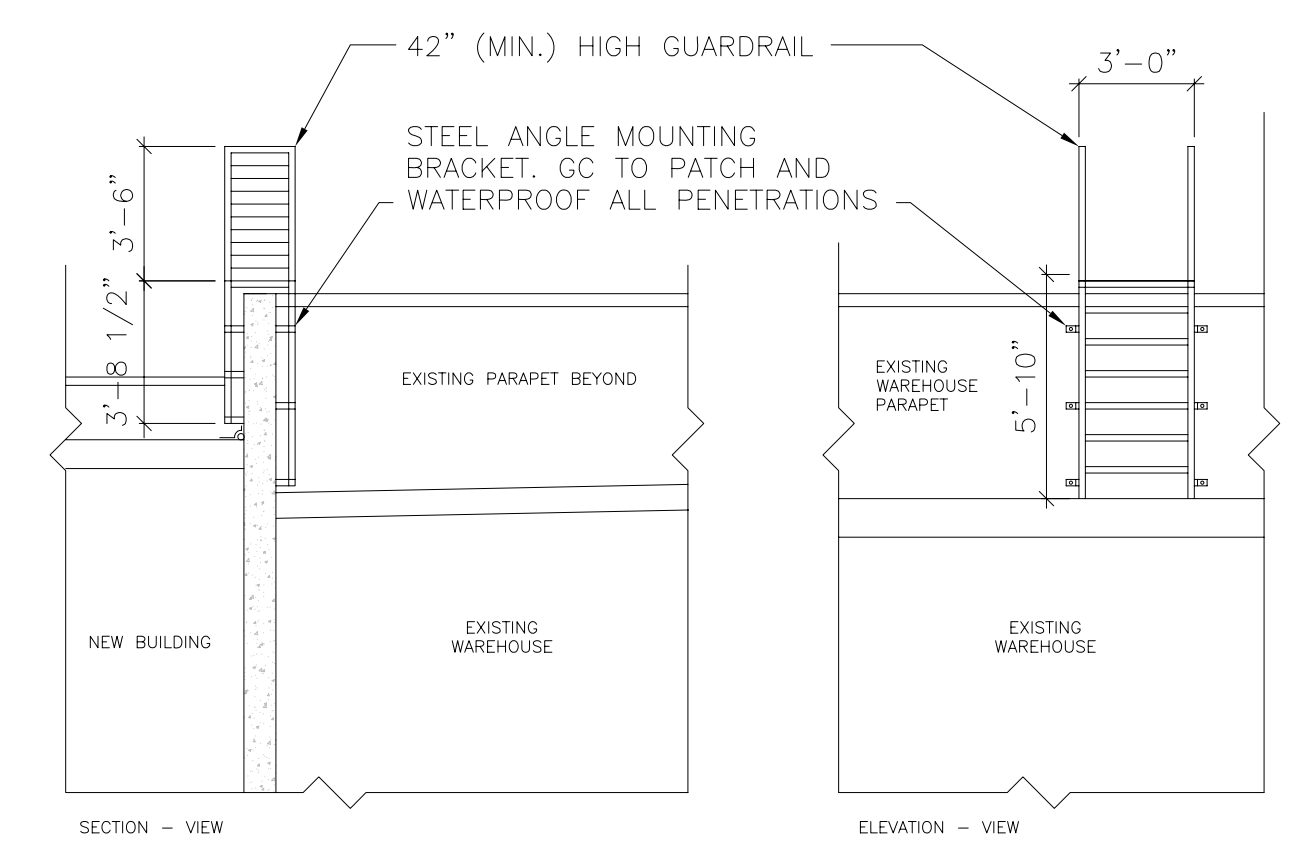
Drawn
GxA

Project No.
24-002

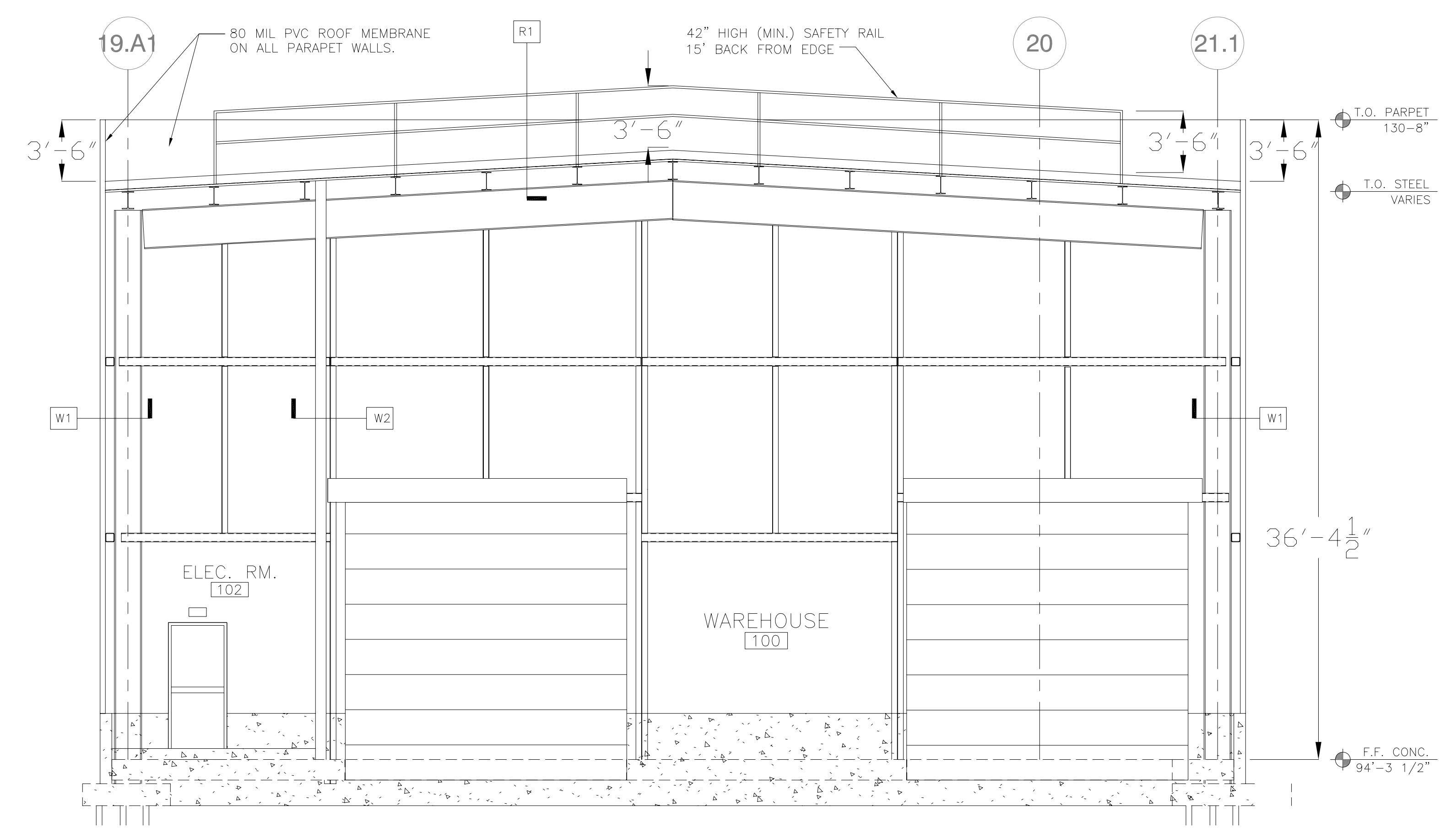
Sheet No.

A400

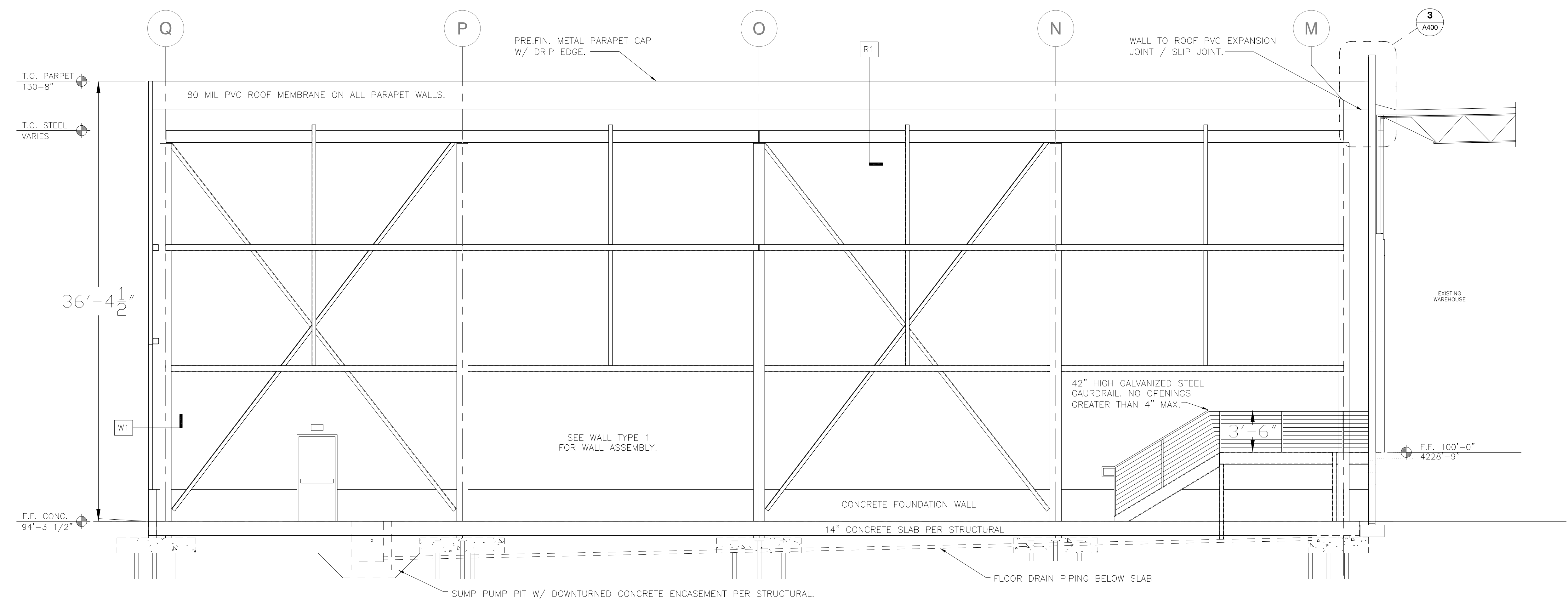
ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116



3 SECTION - ROOF ACCESS LADDER
A400 SCALE: 1/4"=1'-0"



2 SECTION
A400 SCALE: 1/4"=1'-0"



1 SECTION
A400 SCALE: 1/4"=1'-0"

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Project Name
ALBANY NORTH ADD.

Sheet Title

DOOR SCHEDULE DETAILS

Scale AS SHOWN Date 03.06.2024

Drawn GxA Project No. 24-002

Sheet No.

A500

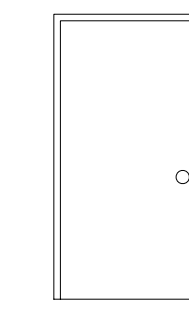
ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116

DOOR SCHEDULE

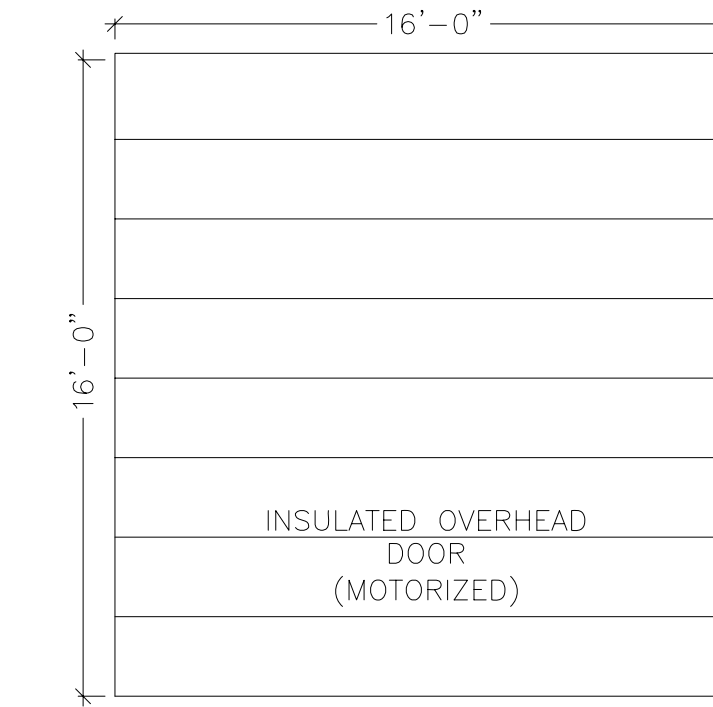
DOOR #	OPERATION	SIZE	FIRE RATING (MIN)	DOOR			DOOR NOTES
				TYPE	MATERIAL	FINISH	
100A	OVERHEAD	16'X16'	N/A	2	HM	PAINT	MOTORIZED / INSULATED
100B	OVERHEAD	16'X16'	N/A	2	HM	PAINT	MOTORIZED / INSULATED
100C	SWING	3'X7'	N/A	1	HM	PAINT	EXIT / LATCH-LEVER w/ PANIC
102A	SWING	3'X7'	N/A	1	HM	PAINT	EXIT / LATCH-LEVER w/ PANIC
102B	SWING	3'X7'	N/A	1	HM	PAINT	EXIT / LATCH-LEVER w/ PANIC
102C	SWING	3'X7'	N/A	1	HM	PAINT	EXIT / LATCH-LEVER w/ PANIC

COORDINATE POWER TO ANY DOORS PER OWNER DIRECTION THAT REQUIRE SECURITY MONITORING AND KEY CARD ACCESS CONTROL.

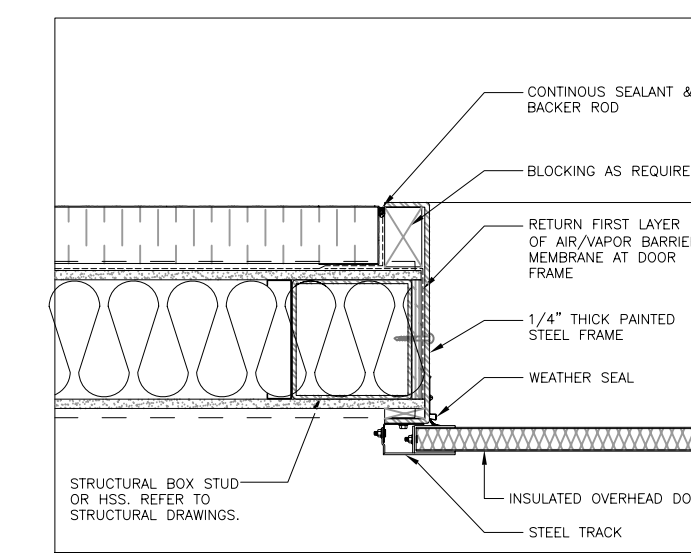
DOOR TYPES



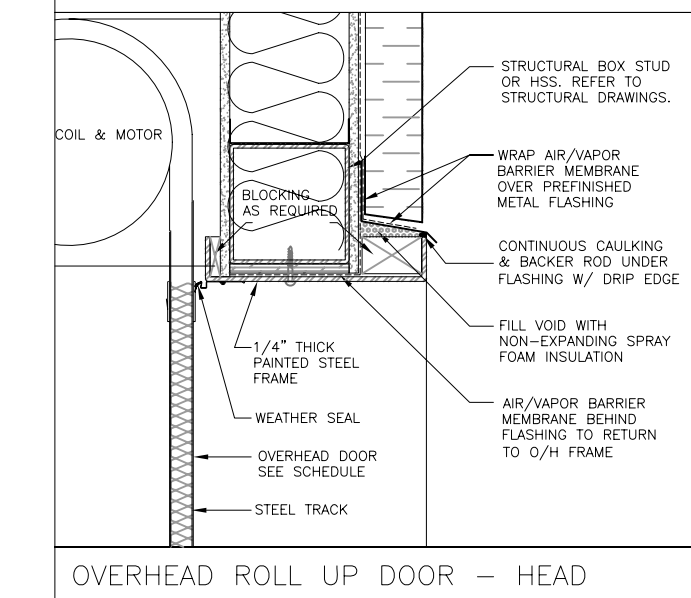
TYPE 1
SINGLE HOLLOW METAL DOOR (INSULATED-PAINTED)



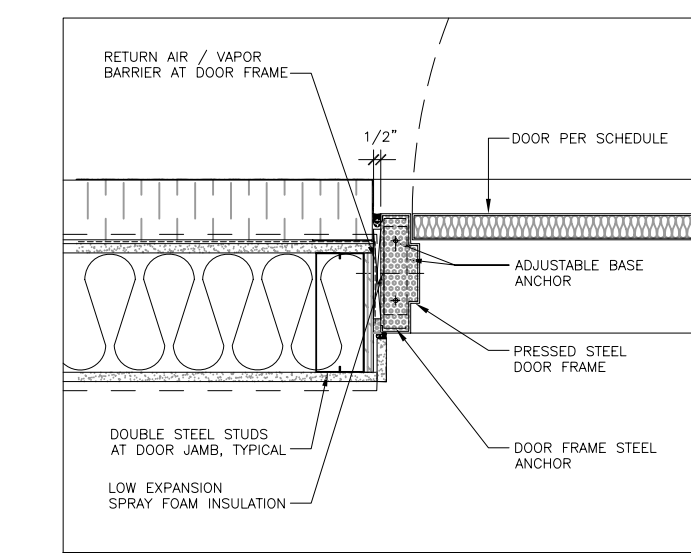
TYPE 2
INSULATED OVERHEAD DOOR (MOTORIZED)



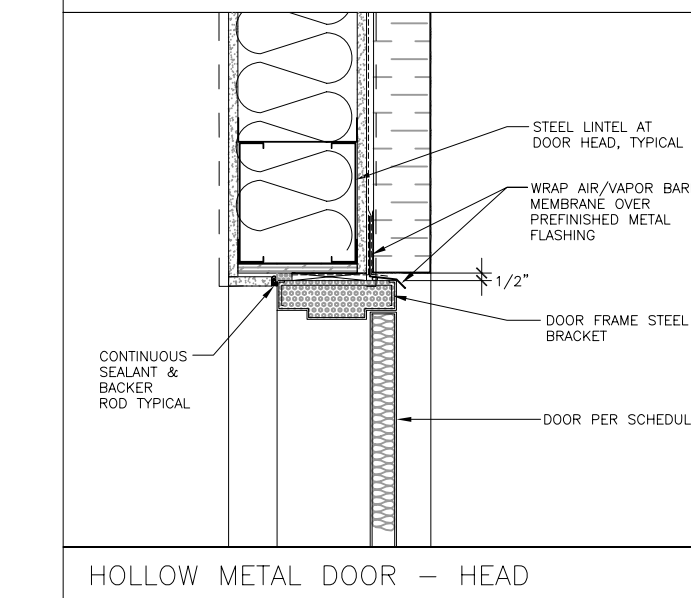
OVERHEAD ROLL UP DOOR - JAMB



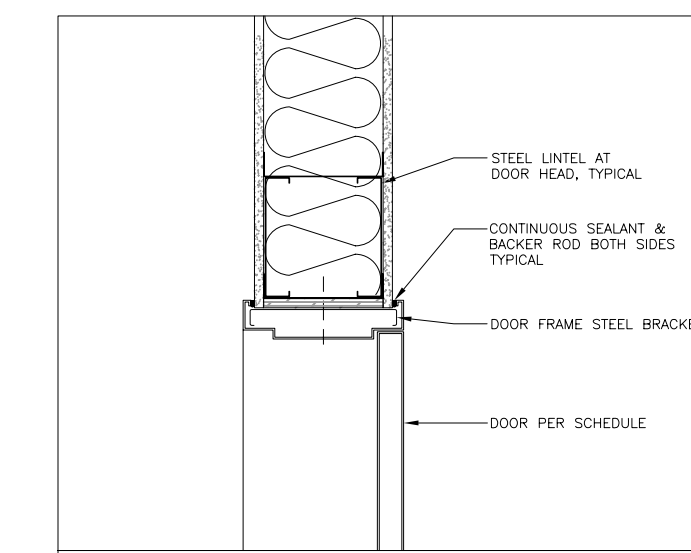
OVERHEAD ROLL UP DOOR - HEAD



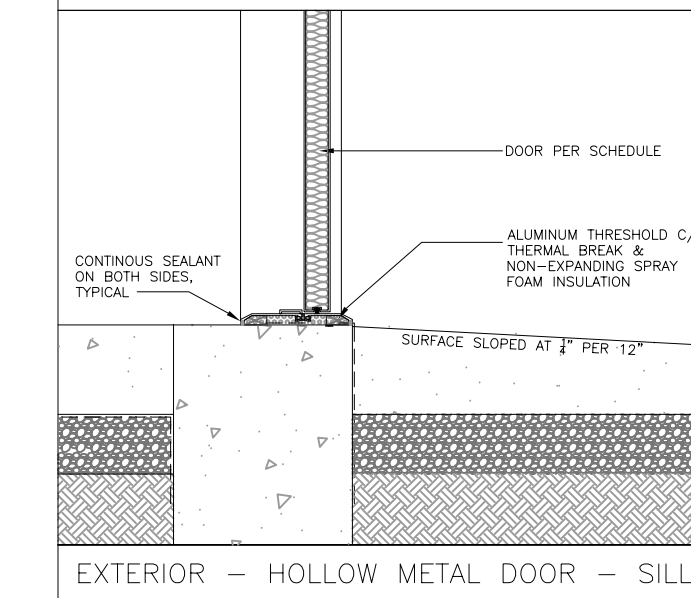
HOLLOW METAL DOOR - JAMB



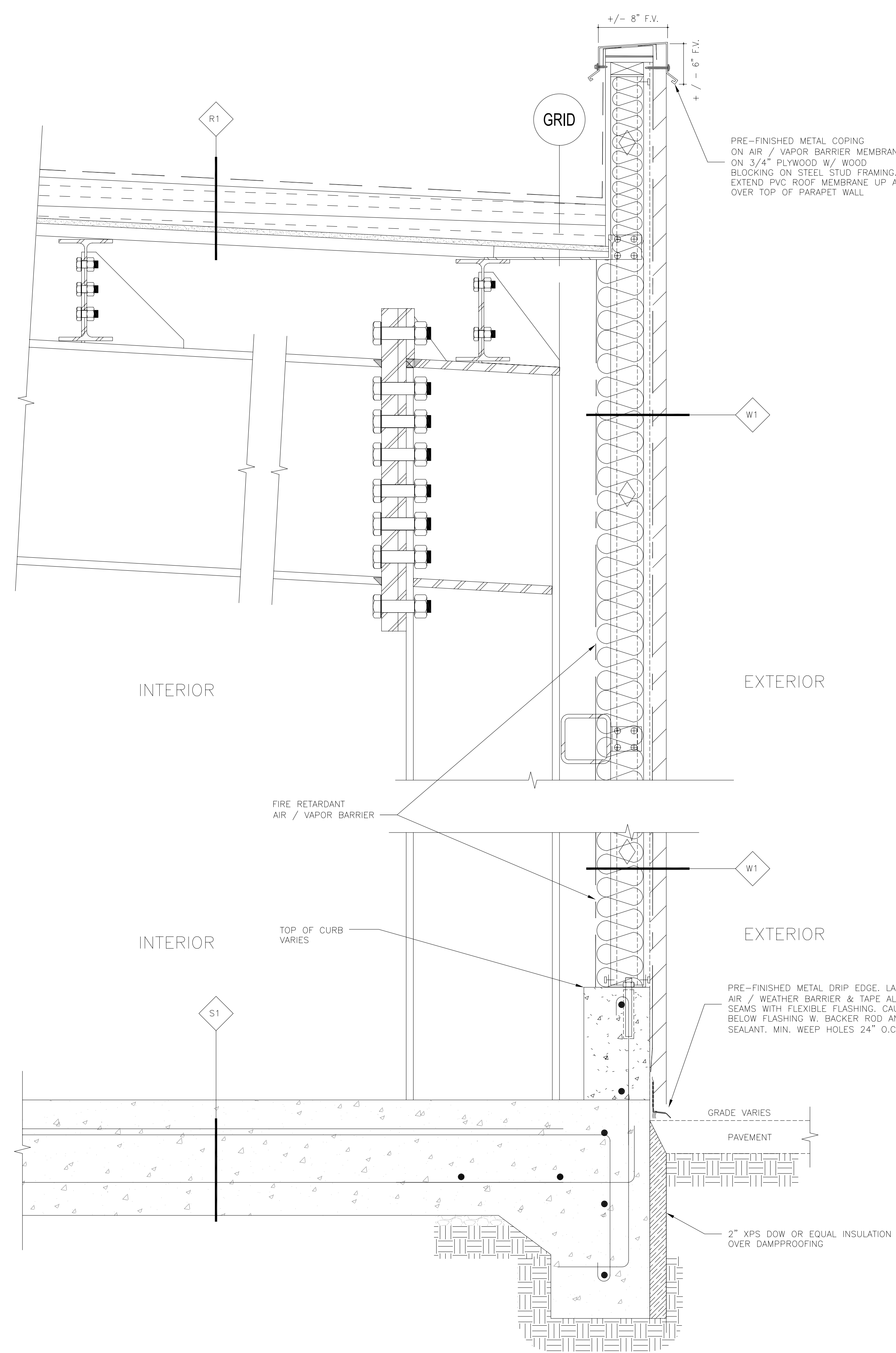
HOLLOW METAL DOOR - HEAD



INTERIOR - HOLLOW METAL DOOR - HEAD



EXTERIOR - HOLLOW METAL DOOR - SILL



2 TYPICAL WALL DETAIL - BASE AND TOP
A500 SCALE: 1" = 1'-1/2"

1 DOOR DETAILS / SCHEDULE
A500 SCALE: 1" = 1'-1/2"

GENERAL STRUCTURAL NOTES

GENERAL

- 1. The structural notes are intended to complement the project specifications. Specific notes and details in the drawings shall govern over the structural notes and typical details.
2. Typical details and sections shall apply where specific details are not shown.
3. The contractor shall verify all site conditions and dimensions. If any actual conditions differ from those shown in the contract drawings, the contractor shall immediately notify the architect/engineer before proceeding with the fabrication or construction of any affected elements.

11. Components and Cladding Wind Loads shown below are service level (0.8W). Dimension 'd' = XX feet.

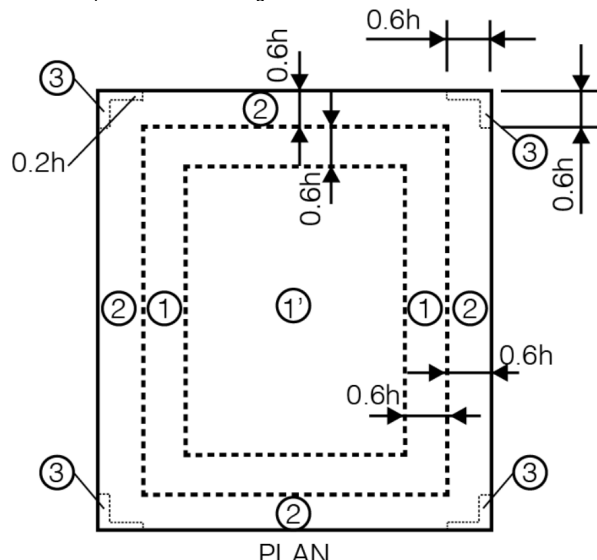


Figure 30.3-1: Roof Pressure Diagram (Zones 1,3, including overhangs 'OH' where applicable) and Wall Pressure Diagram (Zones 4-5).

Wind Pressure Summary for C&C Zones based Upon Areas Ch 30 Pt 1 (Table 2 of 2)

Table with 5 columns: Z, Figure, A =, A =, A =. It lists wind pressure values for various zones and areas.

Wind Pressure Summary for C&C Zones based Upon Areas Ch 30 Pt 1 (Table 2 of 2)

Table with 5 columns: Z, Figure, A =, A =, A =. It lists wind pressure values for various zones and areas, similar to the previous table.

- I. Non-Shrink Grout: ASTM C1107 Grade B. Non-shrink grout shall be prepackaged, non-metallic and non-gaseous.
J. Refer to architectural drawings for structural steel fireproofing or architecturally exposed steel requirements.
K. All steel connectors and embeds exposed to weather shall be galvanized, unless noted otherwise.
L. Welds may be performed in the shop or the field. Designations of field welds in the Contract Documents are shown where it is anticipated field welds may be required.

CONCRETE

Concrete shall be supplied in accordance with ACI 318 and the following requirements:

Table with 4 columns: Concrete Use, Comp. Strength f'c (psi), Exposure Classes per ACI 318 19.3.2.1 (a,b,c), Nominal Max. Aggregate Size. Rows include Footings/Pile Caps, Other Walls, and Interior Slabs on Grade.

Table Footnotes

- 1. Cement type (ASTM C150 or C595), max. water/cement ratio and fly ash to comply with ACI 318 Table 19.3.2.1.
2. Air content ± 1.5%, to comply with ACI 318 Tables 19.3.2.1 and 19.3.3.1, initially measured at point of final placement and point of discharge.
3. Calcium chloride shall not be added to the concrete mix. Unreinforced concrete slabs on grade may use calcium chloride as permitted by ACI 318 Table 19.3.2.1.

REINFORCING STEEL

- 1. Codes and Standards: Fabrication, Erection and Quality Control of structural steel shall comply with the latest edition of the following:
A. American Institute of Steel Construction (AISC) 360, "Specification for Structural Steel Buildings," with "Commentary".
B. AISC 341 "Seismic Provisions for Structural Steel Buildings".
C. AISC 303 "Code of Standard Practice" excluding sections 3.4, 4.4 and 4.4.1.
D. AISC "Specification for Structural Joints Using High Strength Bolts".
E. American Welding Society (AWS), Structural Welding Codes D1.1, D1.3, D1.4, and D1.8, except as modified by the "Steel Construction Manual".

DEFERRED SUBMITTALS

- 1. Deferred submittals are items that are not part of our scope which require architectural and/or engineering review. Deferred submittals include plans, details, calculations and/or other relevant design information stamped by a Professional Engineer licensed in the state in which construction will occur.
2. Deferred submittals shall first be submitted to the project architect and/or engineer for review and coordination. Upon completion of the architect/engineer review, the architect/engineer will submit the deferred submittals to the Building Official for review and approval.



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Project Name: NORTH ADDITION

GENERAL STRUCTURAL NOTES

Scale: Date: 2024.03.04
Revision: Project No.: 230103

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S-001

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Project Name: NORTH ADDITION

Sheet Title: GENERAL STRUCTURAL NOTES

Scale: 2024.03.04 Date: 2024.03.04

Drawn: JLM Project No.: 230103

S-003

GENERAL STRUCTURAL NOTES

TABLE 1705.6: REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

Table with 3 columns: TYPE, CONTINUOUS SPECIAL INSPECTION, PERIODIC SPECIAL INSPECTION

TABLE 1705.7: REQUIRED SPECIAL INSPECTIONS AND TESTS OF DRIVEN DEEP FOUNDATION ELEMENTS

Table with 3 columns: TYPE, CONTINUOUS SPECIAL INSPECTION, PERIODIC SPECIAL INSPECTION

TABLE J9-1

INSPECTION OF COMPOSITE STRUCTURES PRIOR TO CONCRETE PLACEMENT

TABLE J9-2

INSPECTION OF COMPOSITE STRUCTURES DURING CONCRETE PLACEMENT

TABLE J9-3

INSPECTION OF COMPOSITE STRUCTURES AFTER CONCRETE PLACEMENT

TABLE J8-1

OTHER INSPECTION TASKS

TABLE N5.4-1 COMBINED WITH TABLE J6-1 INSPECTION TASKS PRIOR TO WELDING

Table with 6 columns: AISC 360, AISC 341, VISUAL INSPECTION TASKS PRIOR TO WELDING, QC (TASK, DOC), QA (TASK, DOC)

The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified...

** Follow performance of this inspection task for ten welds to be made by a given welder, with the welder demonstrating understanding of requirements and possession of skills and tools to verify these items...

TABLE N5.4-2 COMBINED WITH TABLE J6-2 VISUAL INSPECTION TASKS DURING WELDING

Table with 6 columns: AISC 360, AISC 341, VISUAL INSPECTION TASKS DURING WELDING, QC (TASK, DOC), QA (TASK, DOC)

TABLE N5.4-3 COMBINED WITH TABLE J6-3 VISUAL INSPECTION TASKS AFTER WELDING

Table with 6 columns: AISC 360, AISC 341, VISUAL INSPECTION TASKS AFTER WELDING, QC (TASK, DOC), QA (TASK, DOC)

When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. (75mm) of the weld.

TABLE 1705.3: REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

Table with 5 columns: TYPE, CONTINUOUS SPECIAL INSPECTION, PERIODIC SPECIAL INSPECTION, REFERENCED STANDARD, IBC REFERENCE

For Sl: 1 inch = 25.4 mm. a. Where applicable, see Section 1705.12. Special inspection for seismic resistance. b. Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source...

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DUNN ASSOCIATES, INC Consulting Structural Engineers

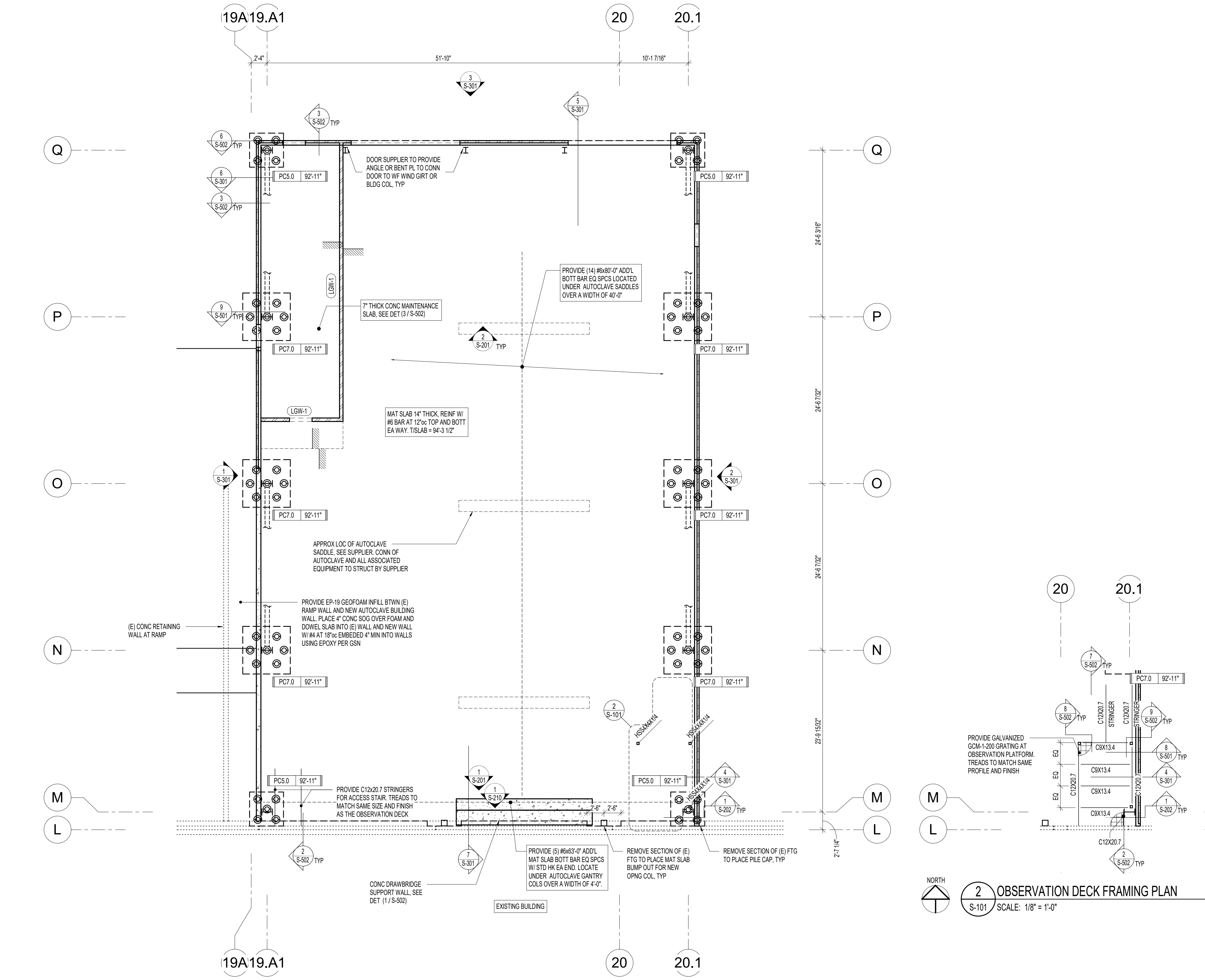
WWW.DUNN-SE.COM PH: 801-575-8877 FAX: 801-575-8875

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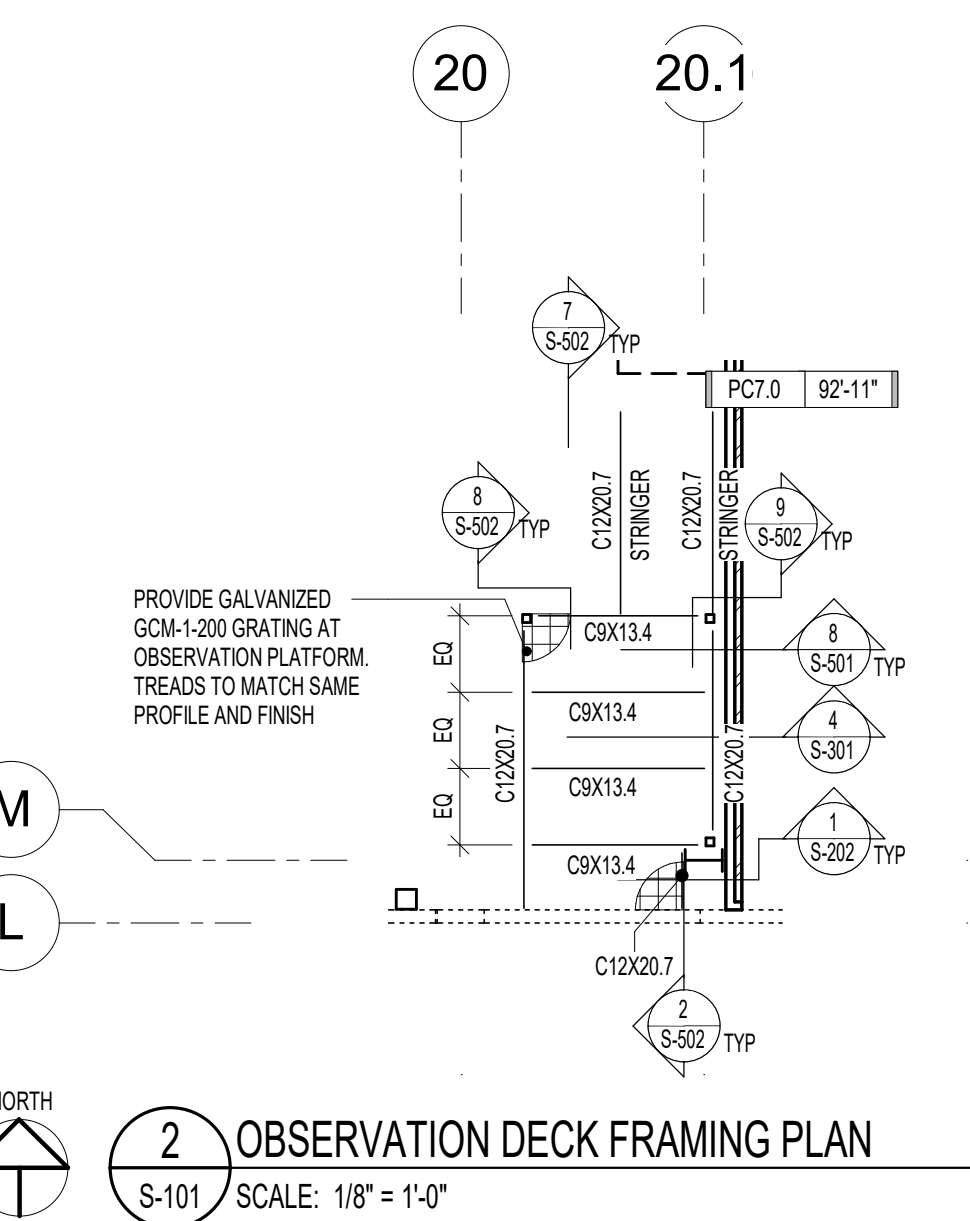
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ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116



1 FOOTING AND FOUNDATION PLAN
S-101 SCALE: 1/8" = 1'-0"



FOOTING AND FOUNDATION PLAN NOTES:

- COORDINATE LOCATION OF DEPRESSED SLABS, SLOPED SLABS, AND FLOOR DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO COLUMNS, WALLS, SLAB EDGES, SLOPES, ELEVATIONS, CURBS AND DEPRESSIONS.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
- SEE SCHEDULES ON (S-800) SHEETS FOR:
 - FOOTINGS
 - REINFORCING SPLICE LENGTHS
 - STEEL COLUMNS
 - PILE CAPS
 - PILE CAP LOADING CRITERIA
- SEE TYPICAL FOOTING AND FOUNDATION DETAILS ON (S-500) SHEETS FOR:
 - SLAB CONSTRUCTION AND CONTROL JOINTS
 - FOOTING STEPS
 - CORNER BARS
 - PIPES PERPENDICULAR AND PARALLEL TO FOOTINGS
 - DEPRESSED SLABS
 - REINFORCING AT MISCELLANEOUS OPENING
 - REINFORCING AT SLAB DISCONTINUITIES
 - FROST COVER AND STRUCTURAL FILL
 - FLOOR OFFSETS

MARKS AND SYMBOL LEGEND

- SECTION MARK SHEET NUMBER
- FRAME ELEVATION SHEET NUMBER
- FIG | EL - FOOTING DESIGNATION TOP ELEVATION
- DEPRESSED FND WALL POUR SLAB OVER
- S — S - FOOTING STEP, SEE DETAILS
- FLOOR OFFSET, SEE DETAILS
- DEPRESSED SLAB, SEE ARCHITECTURAL PLANS FOR EXACT LOCATION AND ELEVATION
- METAL STUD WALL
- or I - STEEL COLUMN
- - MICROPILE, BY SUPPLIER
- FD - FLOOR DRAIN, SEE ARCHITECTURAL FOR EXACT LOCATION
- FS-x - SPOT FOOTING, SEE SCHEDULE
- CW-X - CONCRETE WALL, SEE SCHEDULE



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NO.	Description	Date

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Project Name
NORTH ADDITION

Sheet Title
FOOTING AND FOUNDATION PLAN

Scale	Date
	2024.03.04
Drawn	Project No.
JLM	230103
Sheet No.	

S-101



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2024.03.04
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ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116

No.	Description	Date

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Project Name
NORTH ADDITION

Sheet Title
ROOF FRAMING PLAN

Scale _____ Date **2024.03.08**
Drawn **JLM** Project No. **230103**

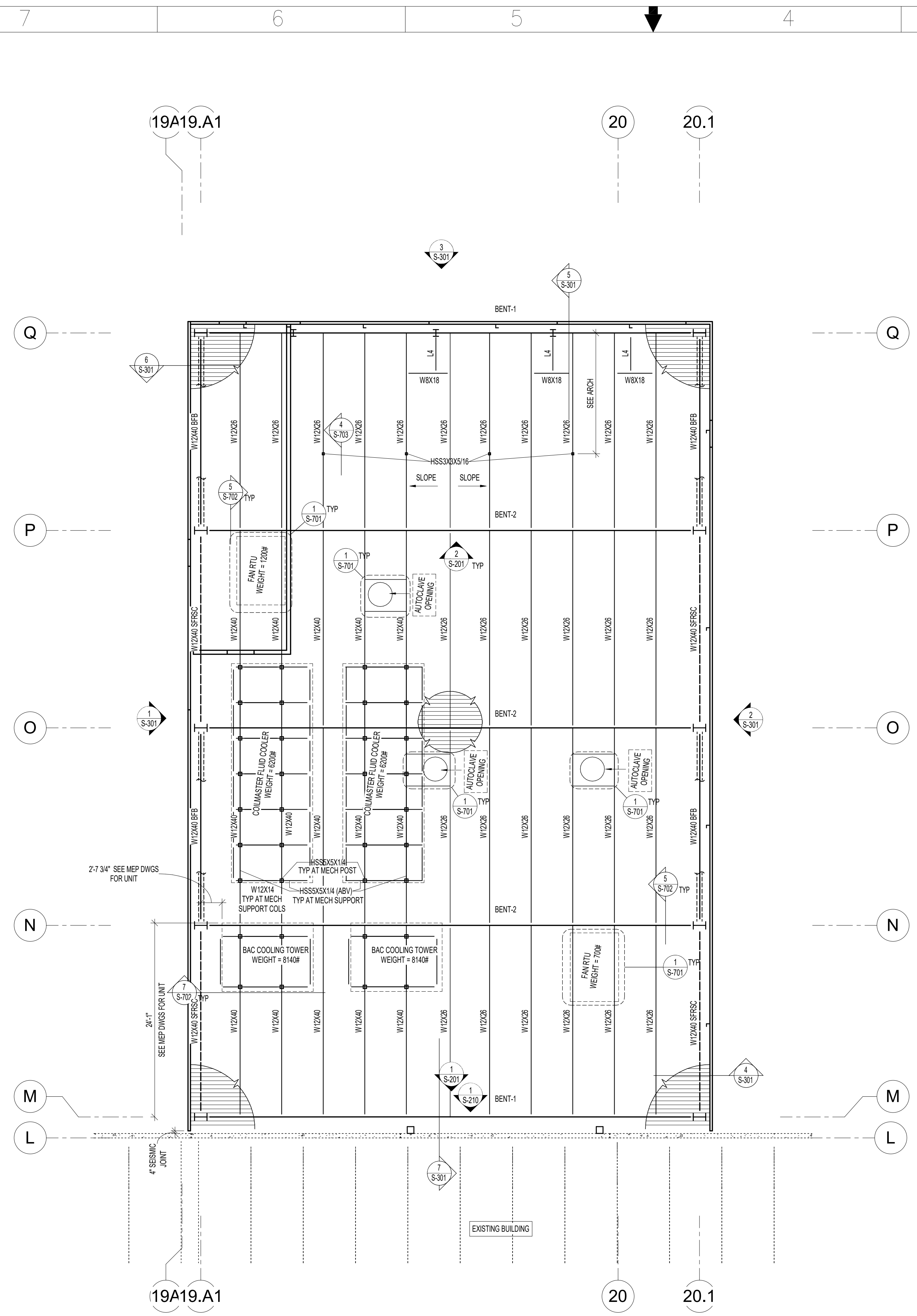
Sheet No.
S-102

FLOOR FRAMING PLAN NOTES:

1. VERIFY WALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL DRAWINGS.
2. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO COLUMNS, WALLS, SLAB EDGES, SLOPES, ELEVATIONS, CURBS AND DEPRESSIONS.
3. SEE SCHEDULES ON (S-800) SHEETS FOR:
 - STEEL COLUMNS
 - SINGLE SHEAR BEAM CONNECTIONS, TYPICAL UNLESS NOTED OTHERWISE
4. SEE TYPICAL FRAMING DETAILS ON (S-700) SHEETS FOR:
 - FRAMING AT ROOF OPENINGS, MECHANICAL UNITS, SKYLIGHTS AND ROOF DRAINS.
 - PIPE SLEEVES THROUGH ROOF DECK
 - SUSPENDED LOADS ON ROOF DECK

MARKS & SYMBOLS LEGEND

- SECTION MARK SHEET NUMBER
- FRAME ELEVATION SHEET NUMBER
- MTL ROOF DECK, SEE GSN
- METAL STUD WALL
- (E) CONCRETE WALL
- STEEL COLUMN
- (E) STEEL COLUMN
- STEEL BEAMS, SEE GENERAL STRUCTURAL NOTES
- SFRC SEISMIC FORCE RESISTING SYSTEM COLLECTOR, SEE DETS ON SHEET (S-203) FOR CONNECTIONS



1 ROOF FRAMING PLAN - ELEVATOR
SCALE: 1/8" = 1'-0"

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PH: 801-575-8877 FAX: 801-575-8875

2024.03.08 PERMIT SET

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ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116

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380 W. 800 S. #100
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Van Boerum & Frank Assoc.
181 E. 5600 S.
Murray, Utah 84107

Hunt Electric, Inc.
1863 Alexander Street
Salt Lake City, Utah 84119

Owner / Project Contact

Albany
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Composites

Tax Parcel ID #:
07-35-252-003-0000

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Project Name
NORTH ADDITION

Sheet Title
MOMENT FRAME ELEVATIONS

Scale
Date
2024.03.04

Drawn
Project No.
JLM 230103

Sheet No.
S-201

ELEVATION NOTES

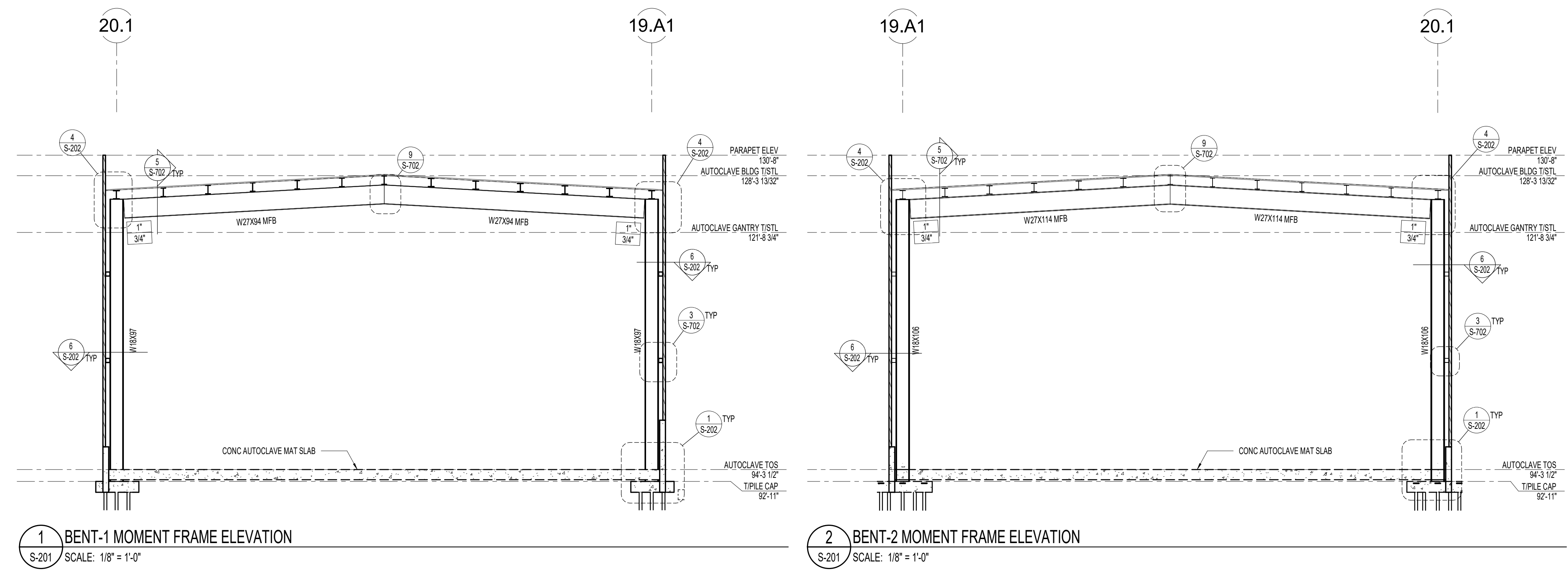
1. ALL MEMBERS SIZED ON THIS SHEET ARE PART OF THE MOMENT FRAME. SEE GENERAL STRUCTURAL NOTES AND SPECIFIED DETAILS FOR MORE INFORMATION.

ELEVATION NOTES

SECTION MARK SHEET NUMBER

X SIZE INDICATES CONTINUITY PL THICKNESS

X SIZE INDICATES WEB DOUBLER PL THICKNESS



1 BENT-1 MOMENT FRAME ELEVATION
S-201 SCALE: 1/8" = 1'-0"

2 BENT-2 MOMENT FRAME ELEVATION
S-201 SCALE: 1/8" = 1'-0"

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Project Name
NORTH ADDITION

Sheet Title
MOMENT FRAME DETAILS

Scale
2024.03.04 PERMIT SET

Date
2024.03.04

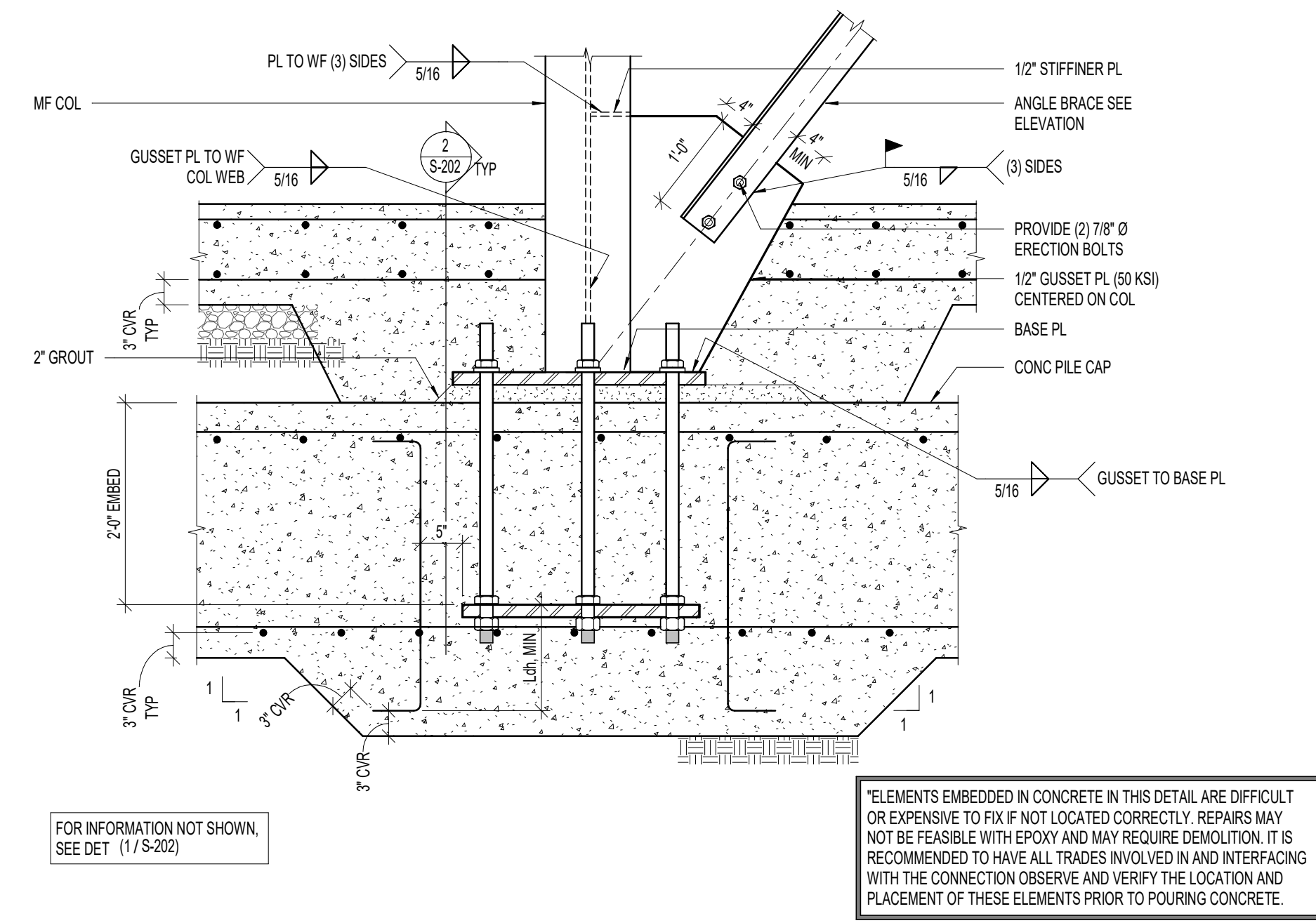
Drawn
JLM

Project No.
230103

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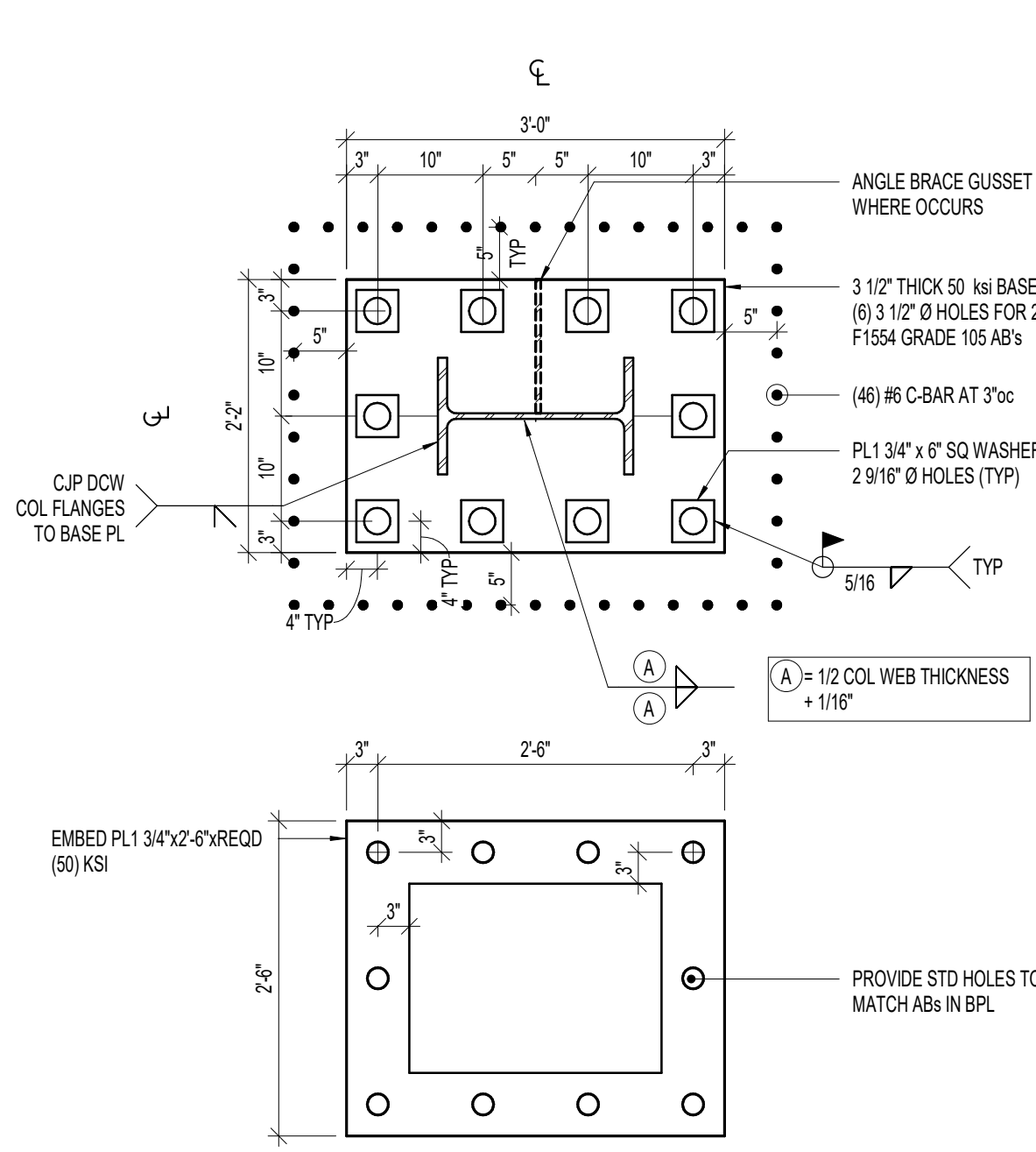
S-202

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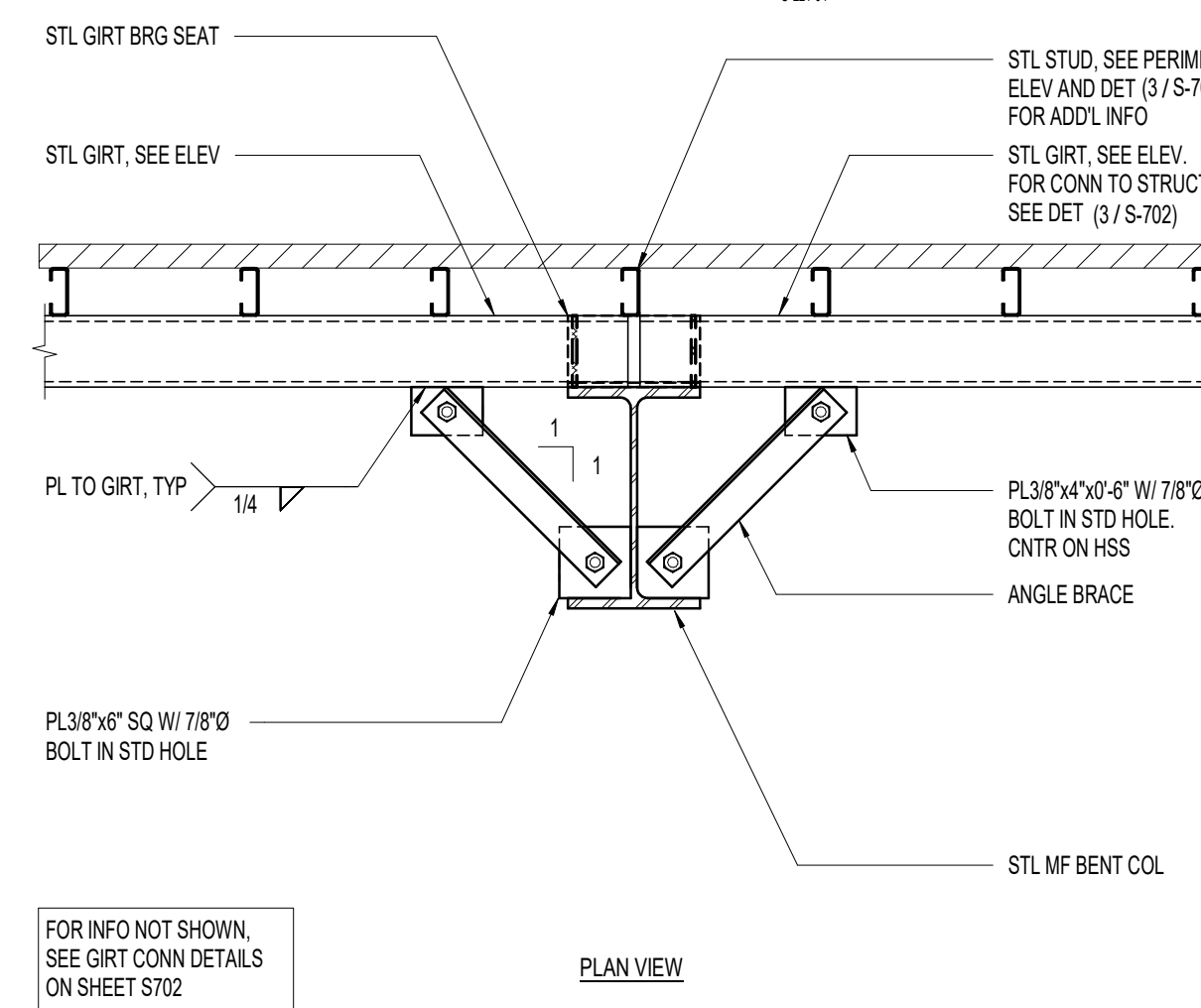
3 TYPICAL ANGLE BRACE TO FOOTING

S-202 NO SCALE:



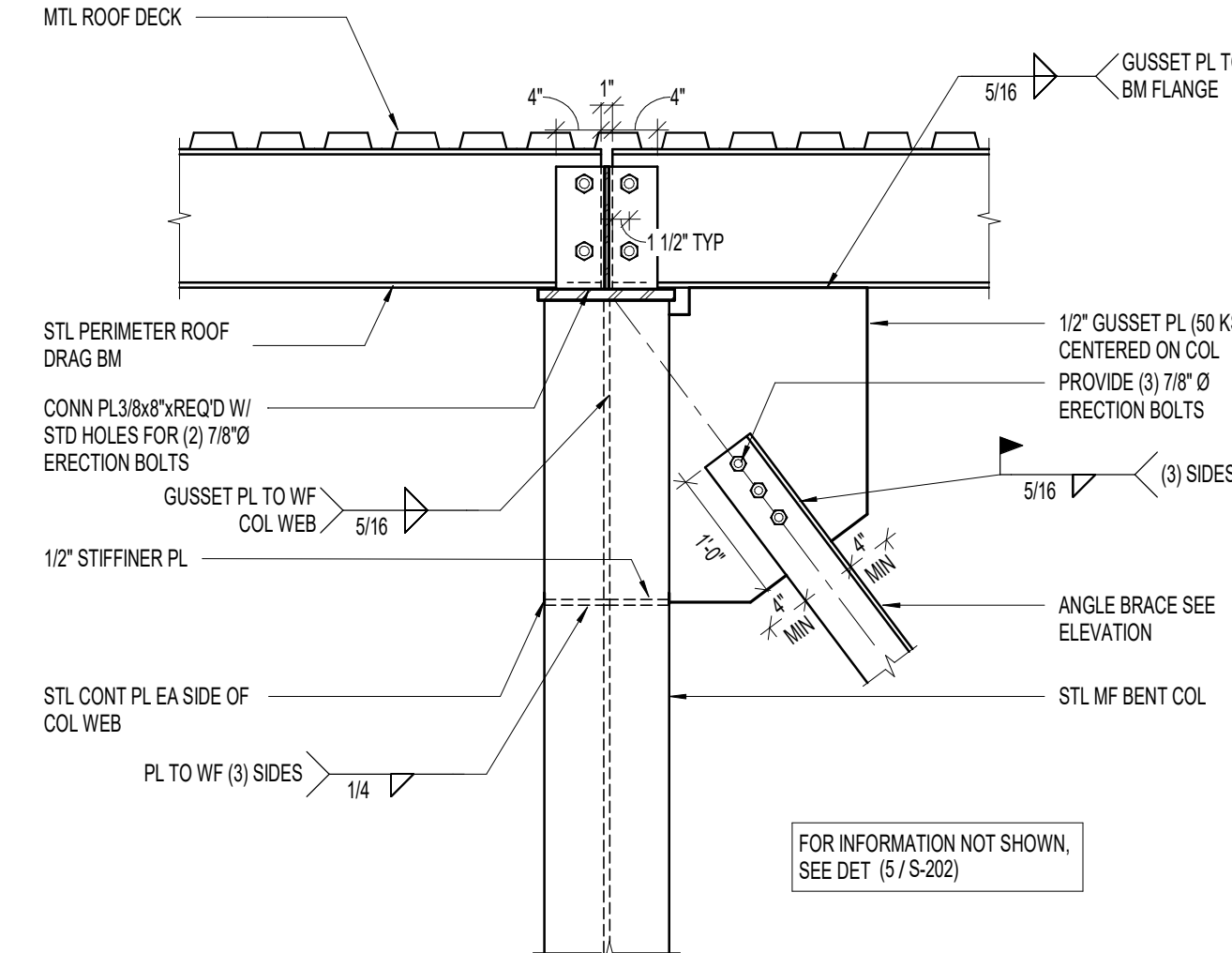
2 MOMENT FRAME COL BASE PLATE AND EMBED TEMPLATE

S-202 NO SCALE:



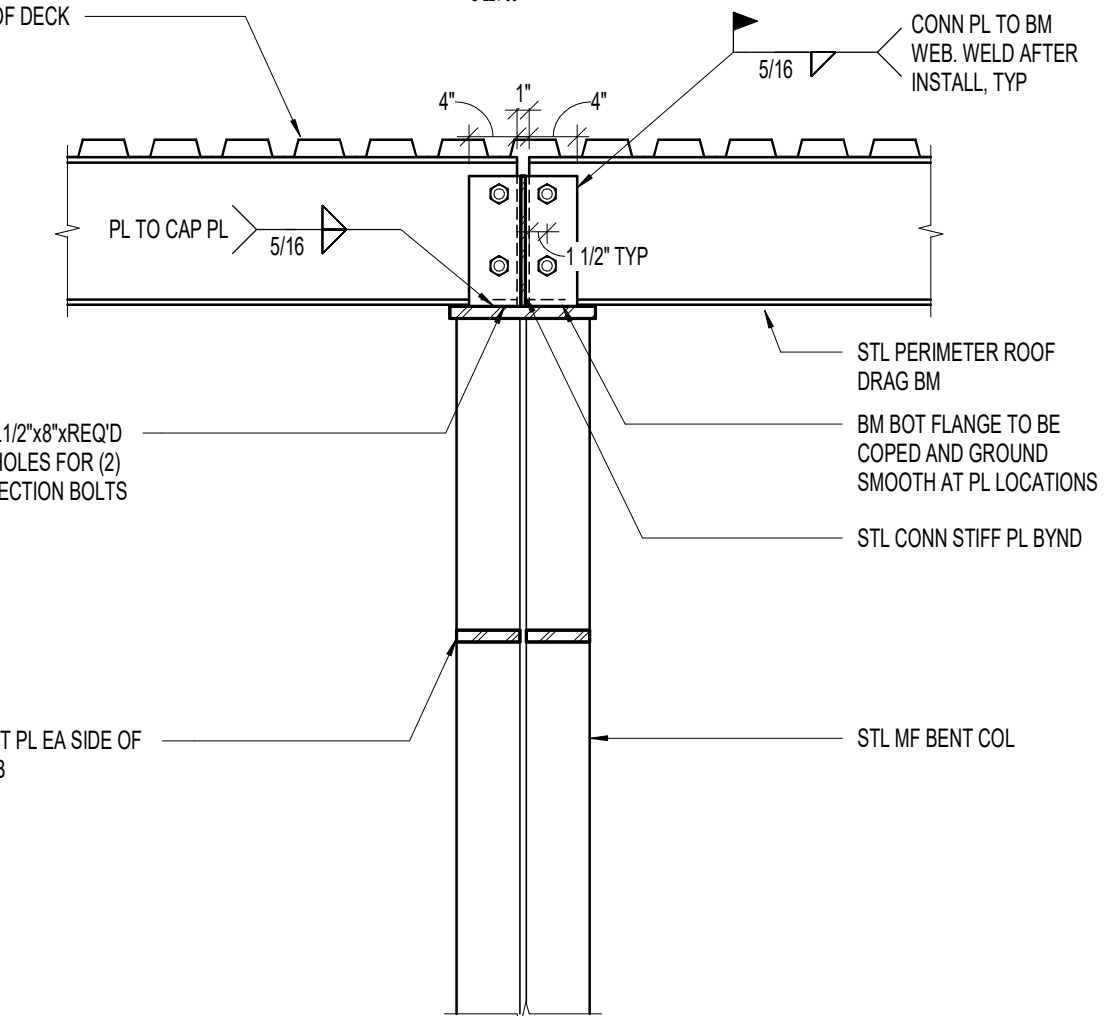
6 TYPICAL COLUMN ANGLE BRACE

S-202 NO SCALE:



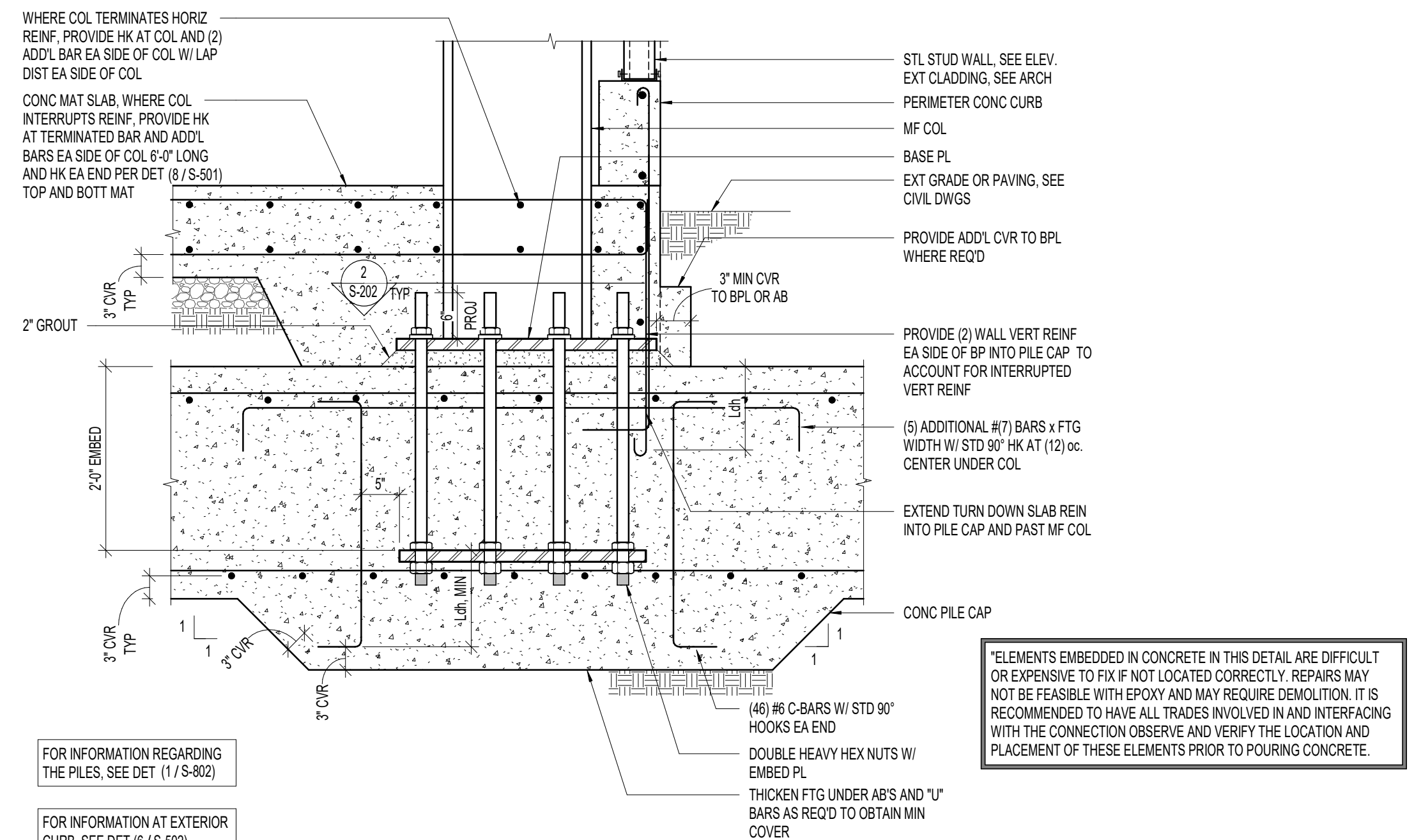
7 TYPICAL PERIMETER ROOF BEAM TO MOMENT FRAME DRAG DETAIL

S-202 NO SCALE:



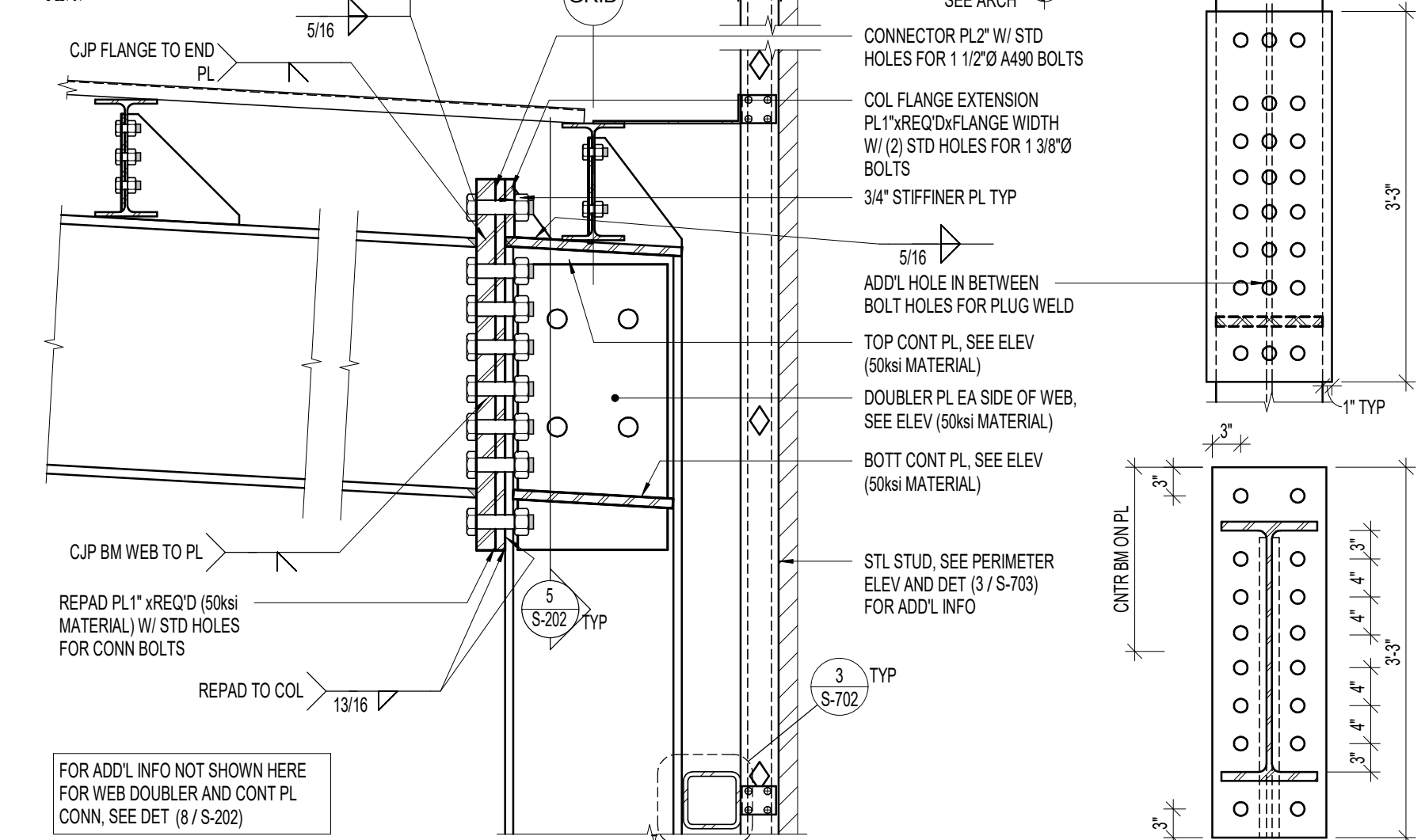
5 TYPICAL PERIMETER ROOF BEAM TO MOMENT FRAME DRAG DETAIL

S-202 NO SCALE:



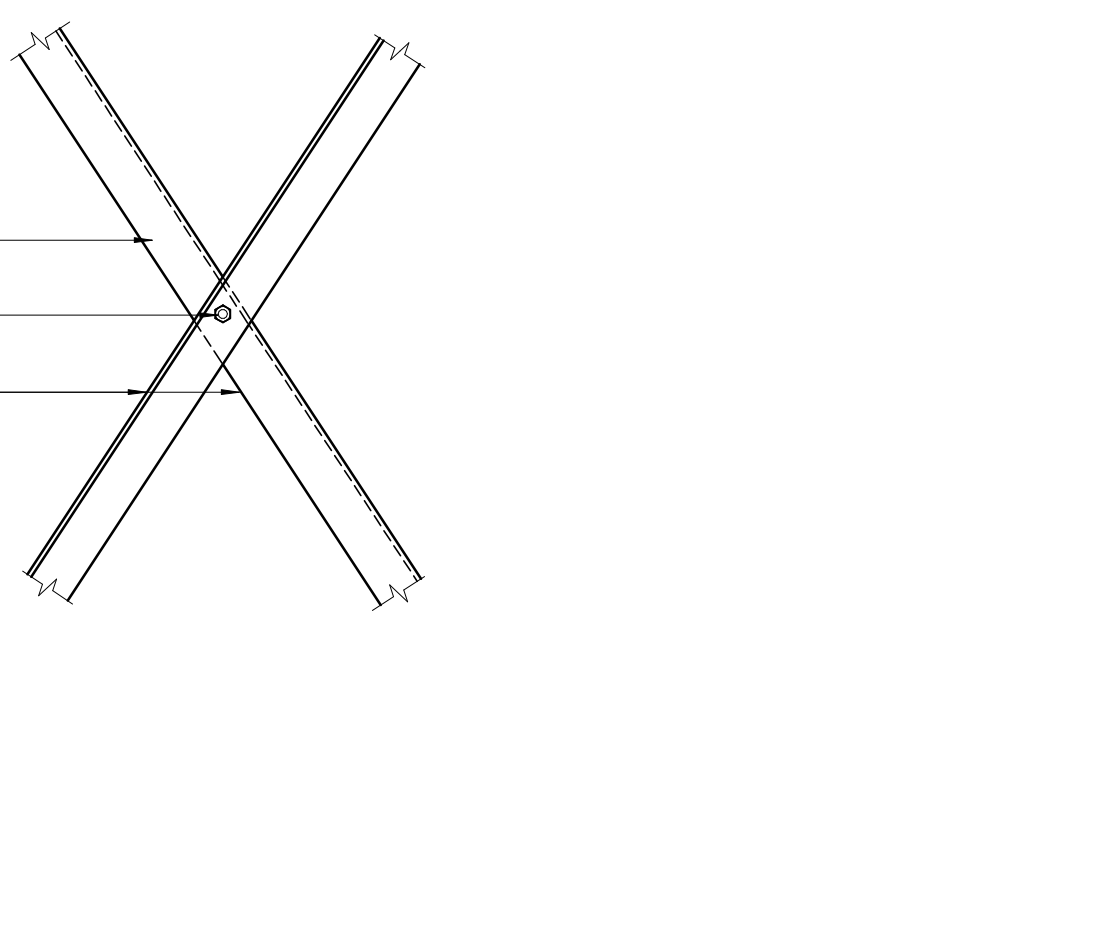
1 MOMENT FRAME BASE TEMPLATE

S-202 NO SCALE:



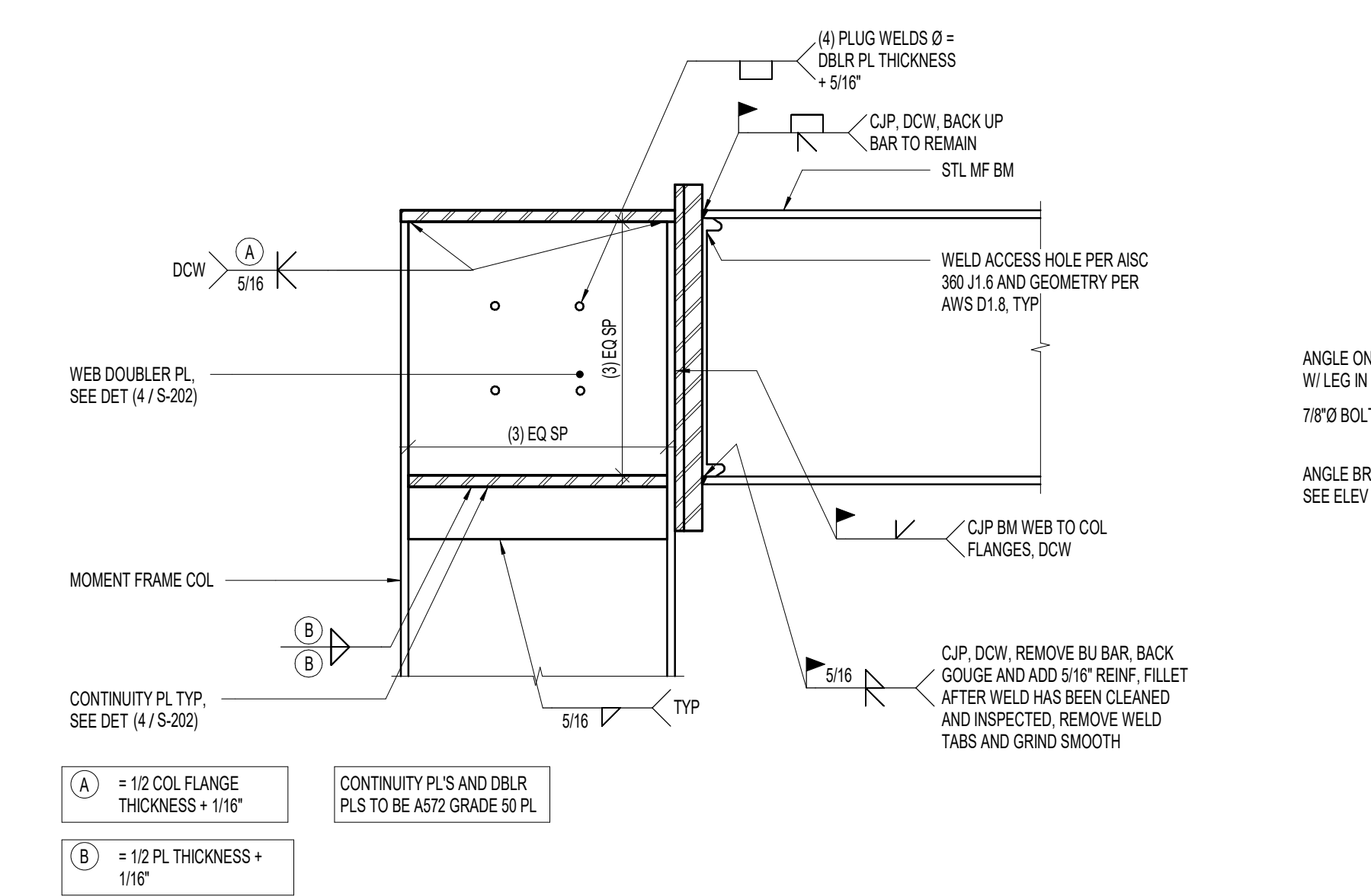
4 TYPICAL MOMENT FRAME BENT TO COLUMN

S-202 NO SCALE:



9 ANGLE BRACE CONNECTION AT MIDPOINT

S-202 NO SCALE:



8 DOUBLER PLATE MOMENT FRAME CONNECTIONS

S-202 NO SCALE:

ELEMENTS EMBEDDED IN CONCRETE IN THIS DETAIL ARE DIFFICULT OR EXPENSIVE TO FIX IF NOT LOCATED CORRECTLY. REPAIRS MAY NOT BE FEASIBLE WITH EPOXY AND MAY REQUIRE DEMOLITION. IT IS RECOMMENDED TO HAVE ALL TRADES INVOLVED IN AND INTERFACING WITH THE CONNECTION OBSERVE AND VERIFY THE LOCATION AND PLACEMENT OF THESE ELEMENTS PRIOR TO POURING CONCRETE.

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FOR ADDL INFO NOT SHOWN HERE FOR WEB DOUBLER AND CONT PL CONN, SEE DET (8 / S-202)

FOR INFO NOT SHOWN, SEE GIRT CONN DETAILS ON SHEET S702



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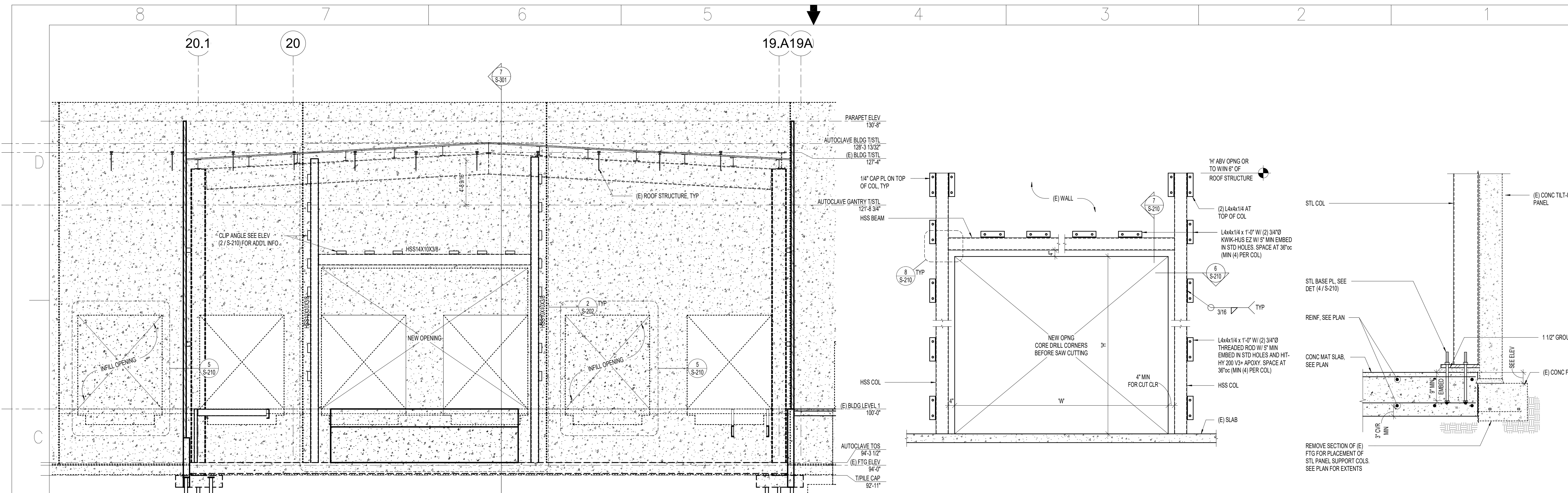
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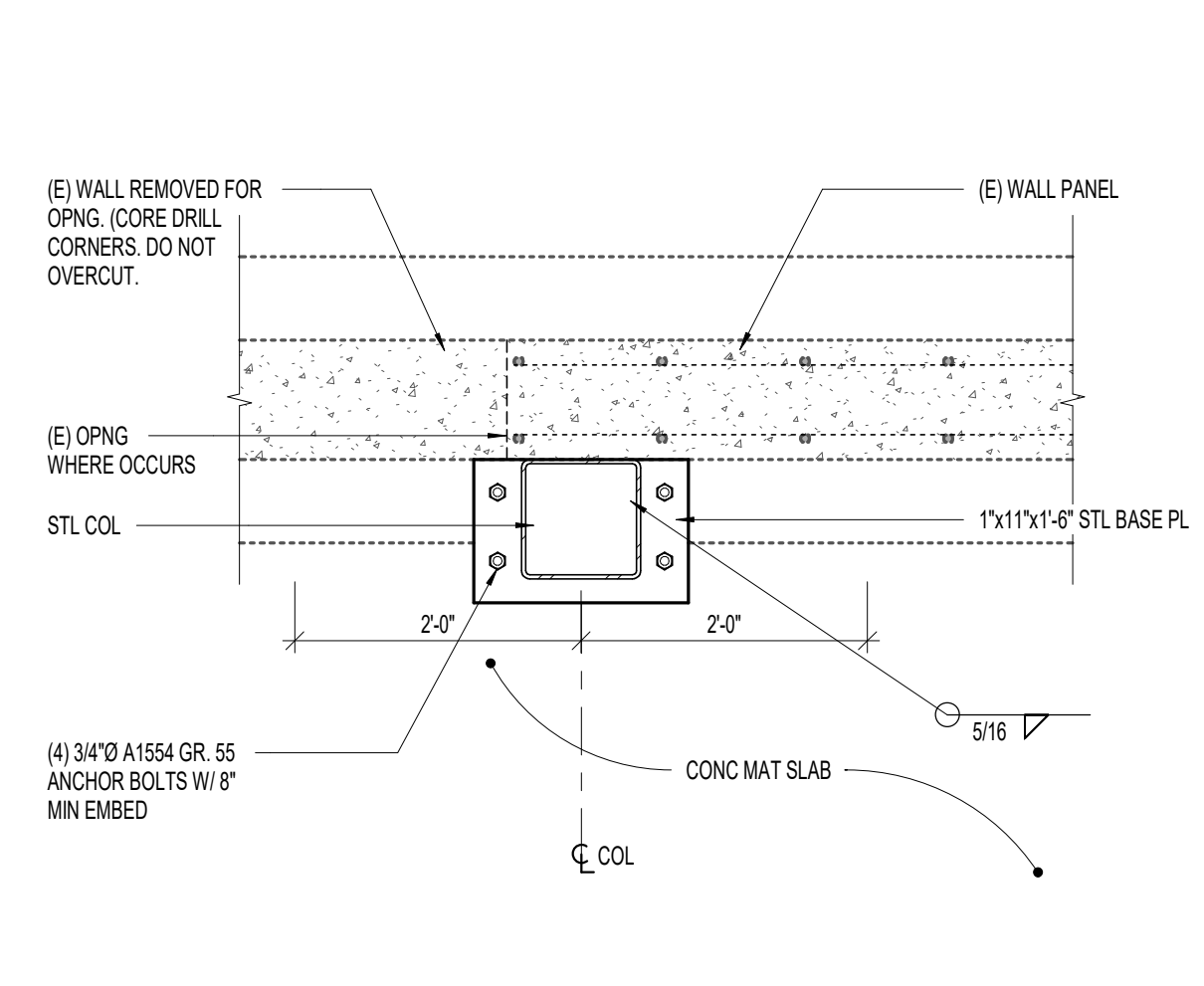
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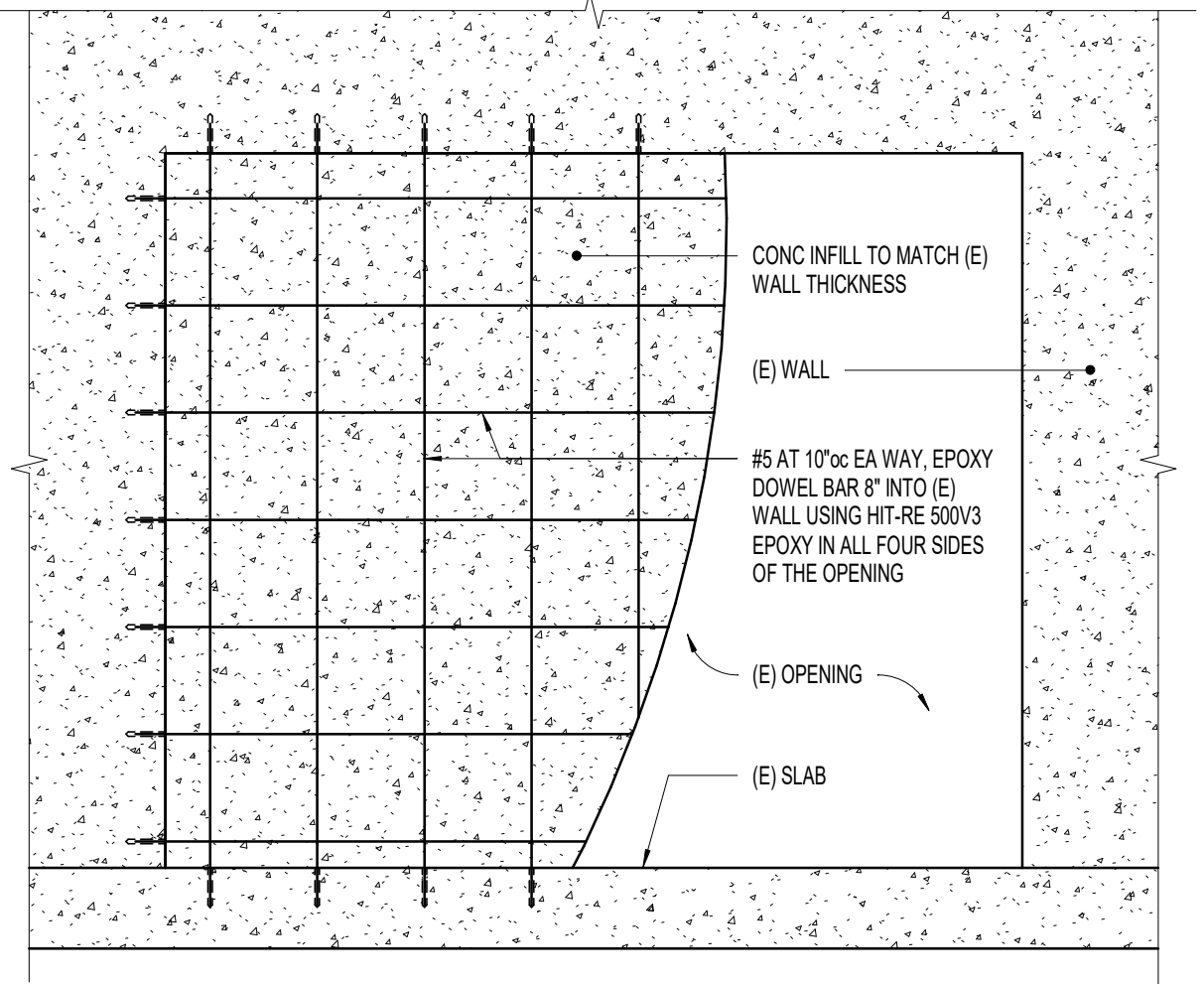
1 NEW WALL OPENING IN EXISTING PANELS
S-210 SCALE: 3/16" = 1'-0"



4 TUBE STEEL COLUMN TO EXISTING WALL
S-210 NO SCALE:



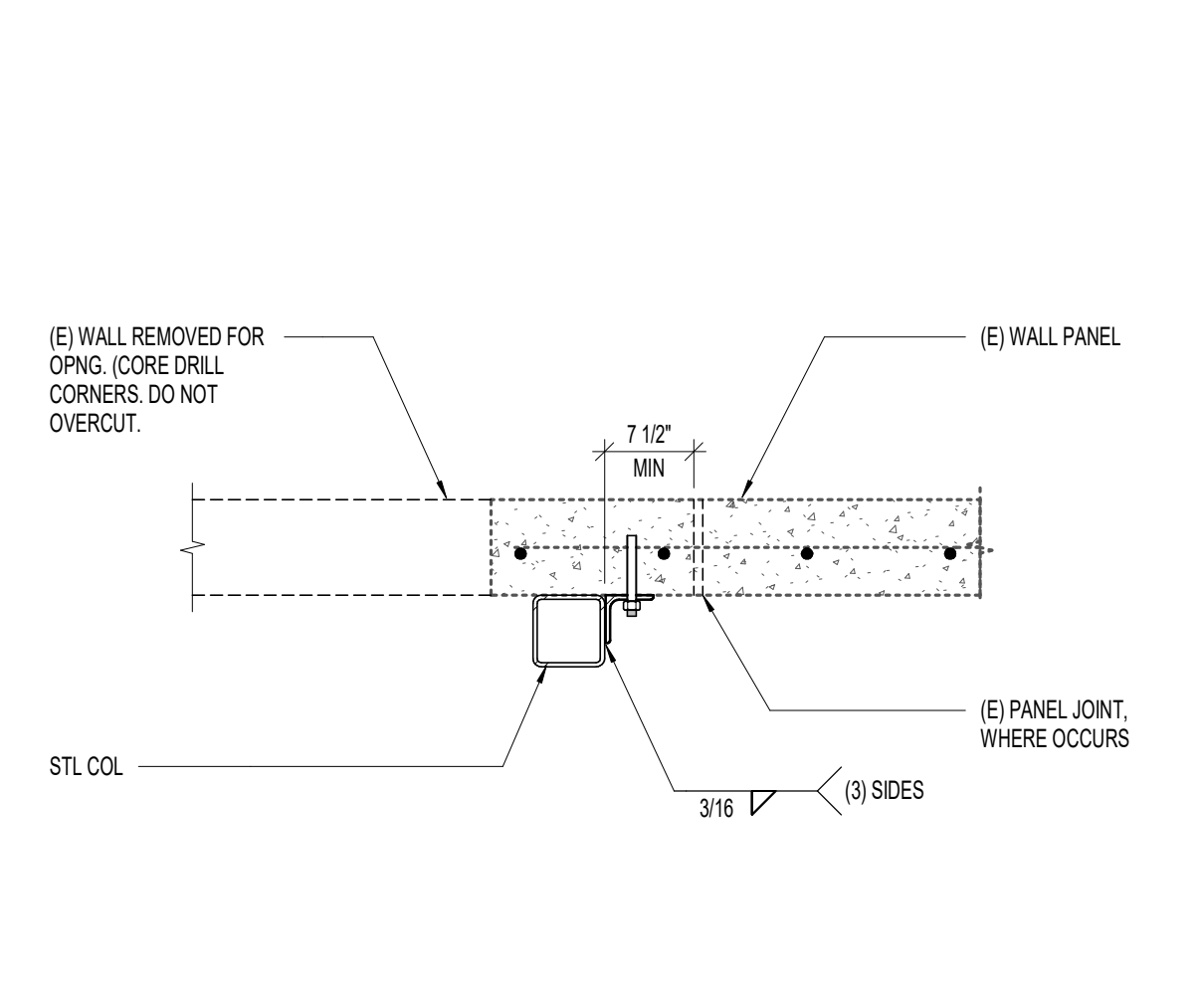
2 TUBE STEEL COLUMN TO SLAB DETAIL
S-210 NO SCALE:



5 INFILLED OPENINGS ELEVATION
S-210 NO SCALE:



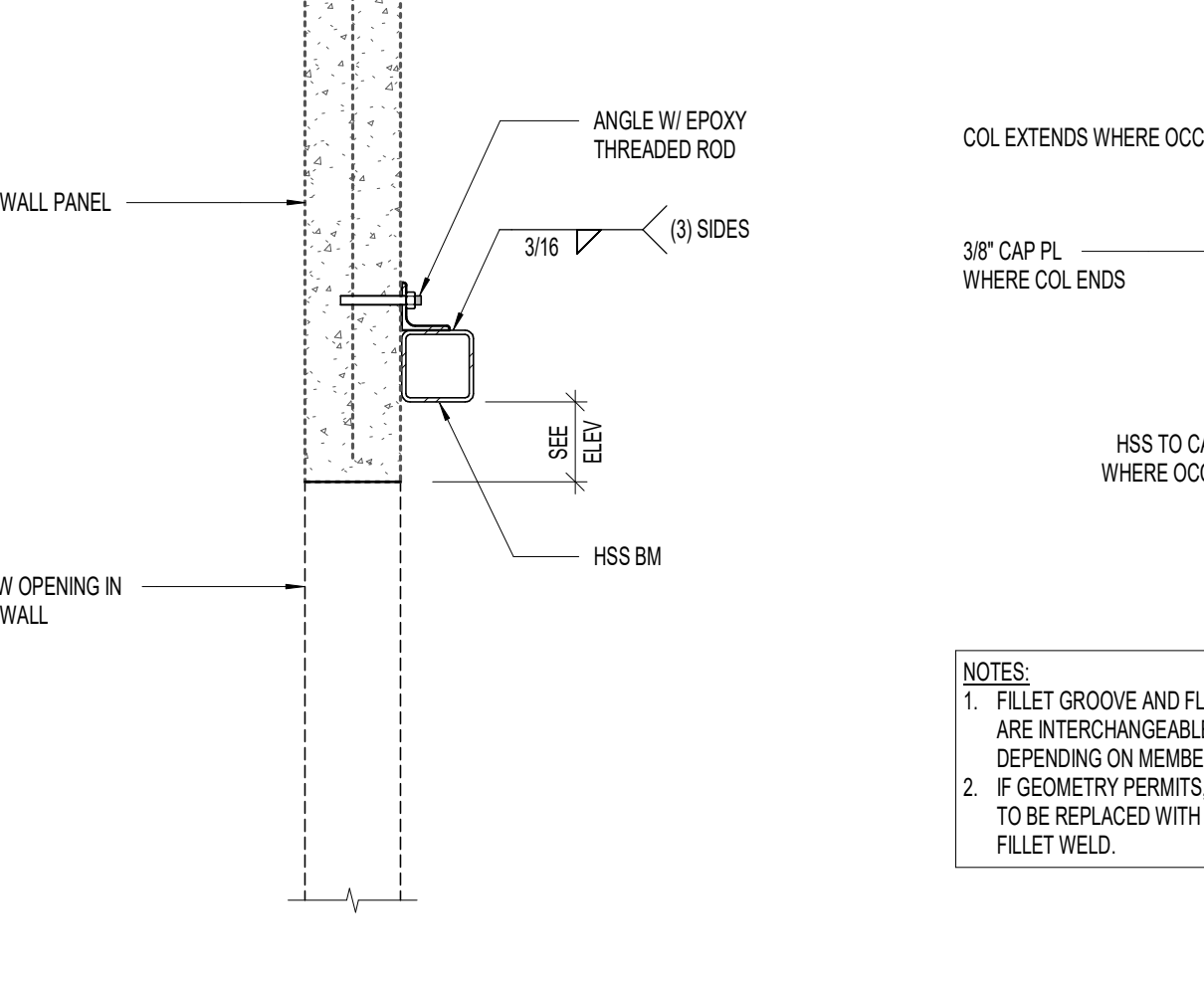
6 TUBE STEEL COLUMN TO EXISTING WALL
S-210 NO SCALE:



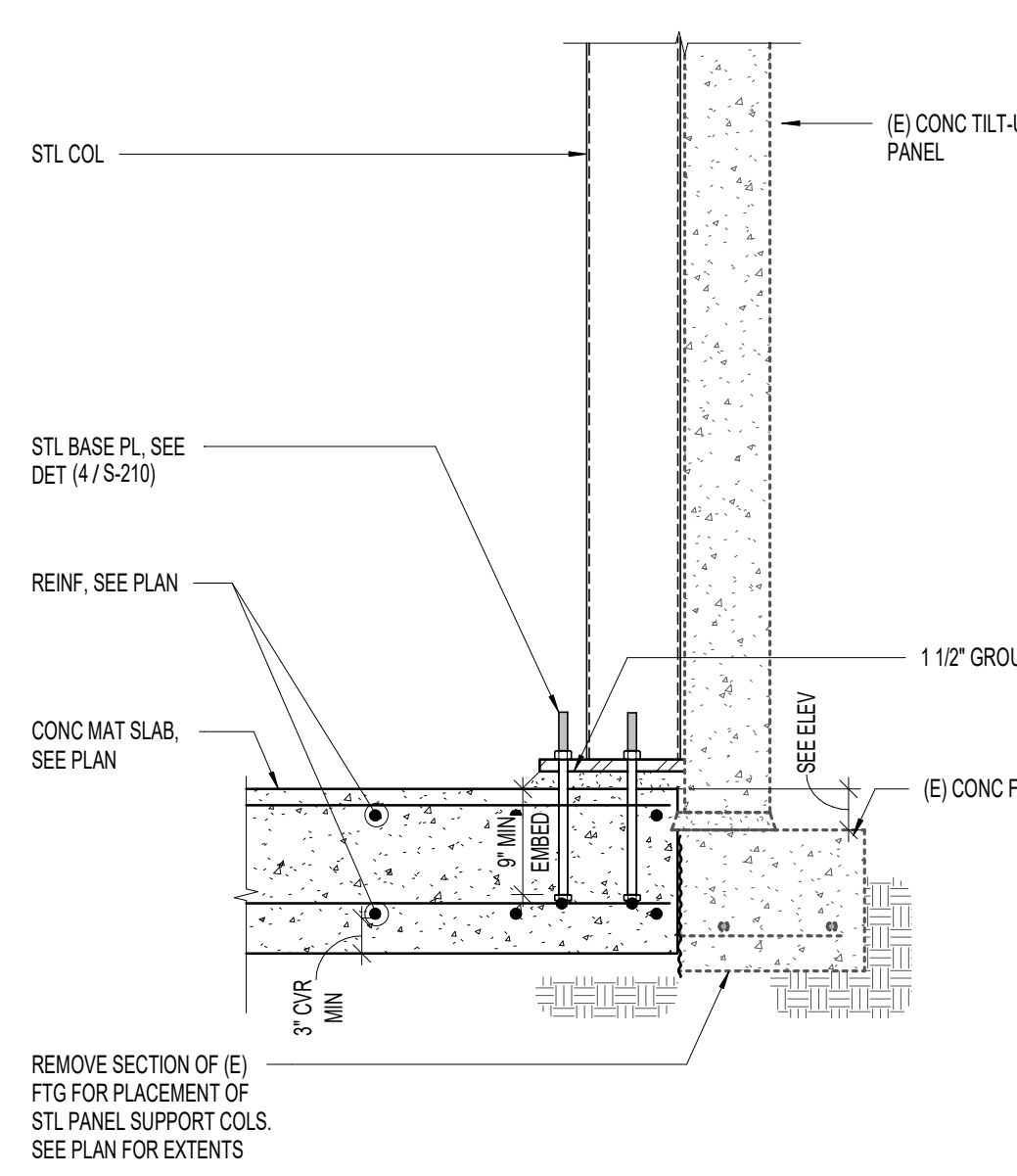
7 TUBE STEEL BEAM TO EXISTING WALL DETAIL
S-210 NO SCALE:



3 NEW TUBE STEEL COLUMN AT EXISTING WALL
S-210 NO SCALE:



8 TYPICAL HSS TO HSS CONNECTION
S-210 NO SCALE:



NOTES:
1. FILLET GROOVE AND FLARE BEVEL WELDS ARE INTERCHANGEABLE DEPENDING ON MEMBER GEOMETRY.
2. IF GEOMETRY PERMITS, FLARE BEVEL WELD TO BE REPLACED WITH 5/16\"/>

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No.	Description	Date

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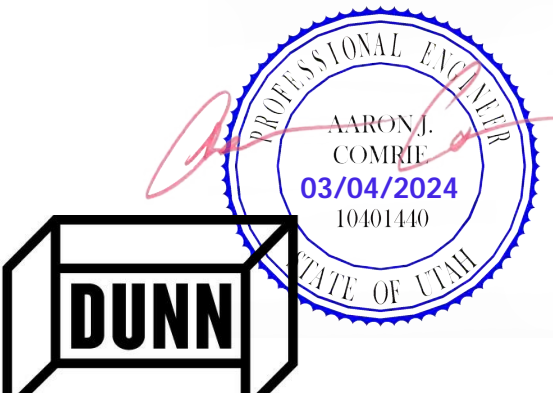
Project Name
NORTH ADDITION

Sheet Title
NEW WALL OPENING ELEVATION AND DETAILS

Date
2024.03.04

Drawn
JLM

Project No.
230103



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S-210

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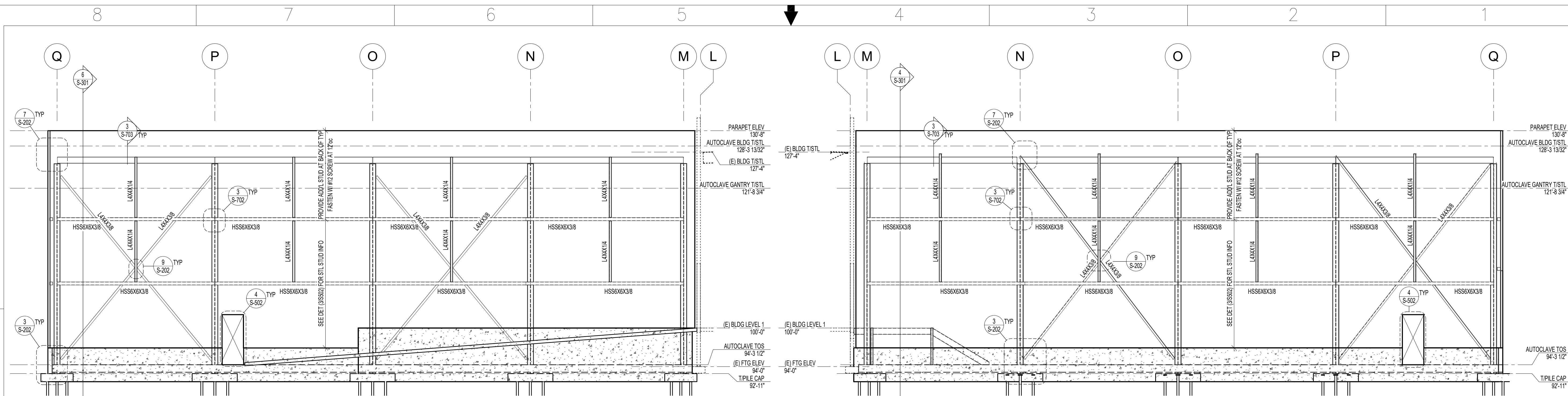
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Project Name
NORTH ADDITION

Sheet Title
WIND GIRT ELEVATIONS

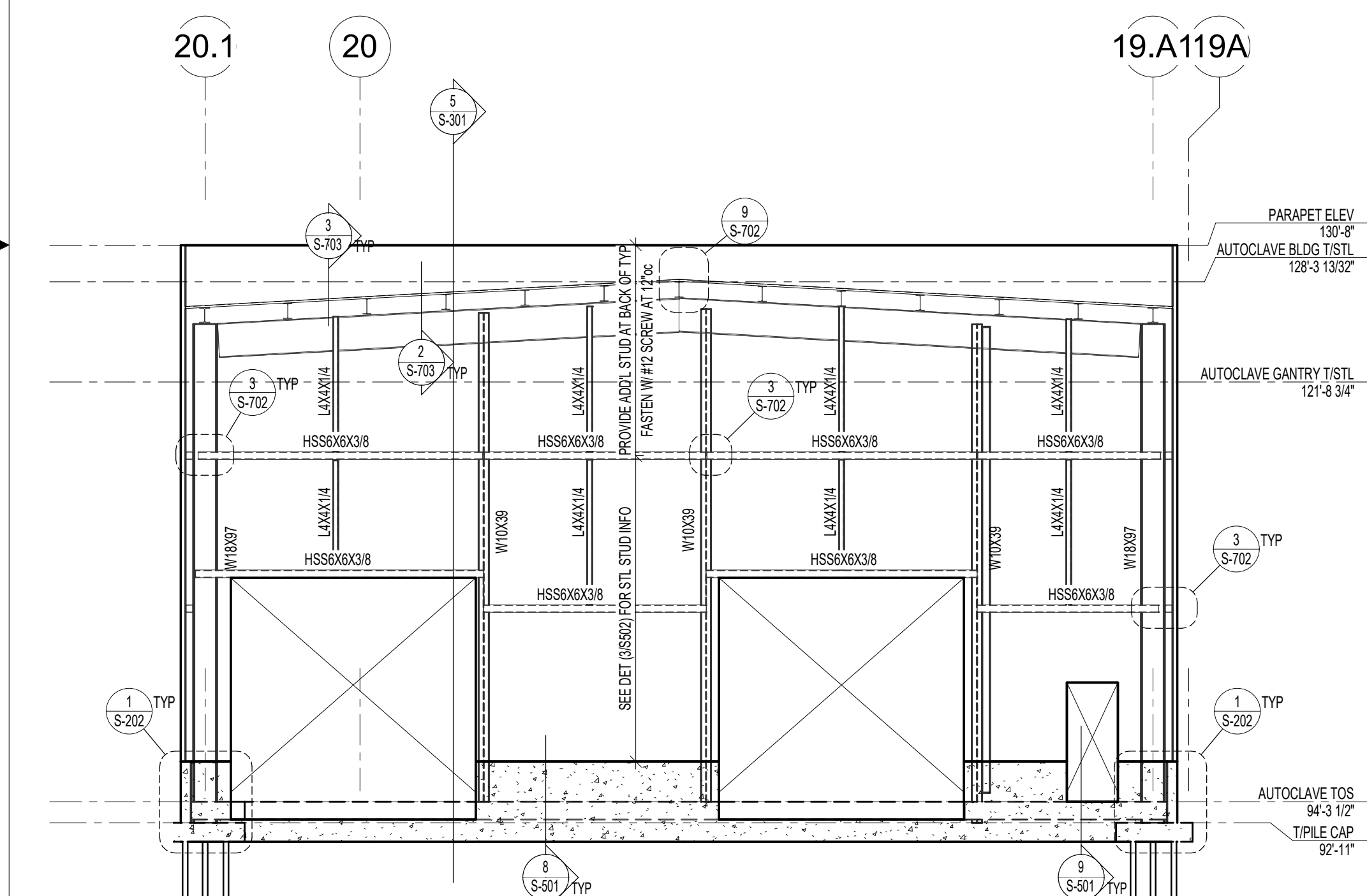
Scale	Date
Drawn	2024.03.04
JLM	Project No.
	230103

S-301

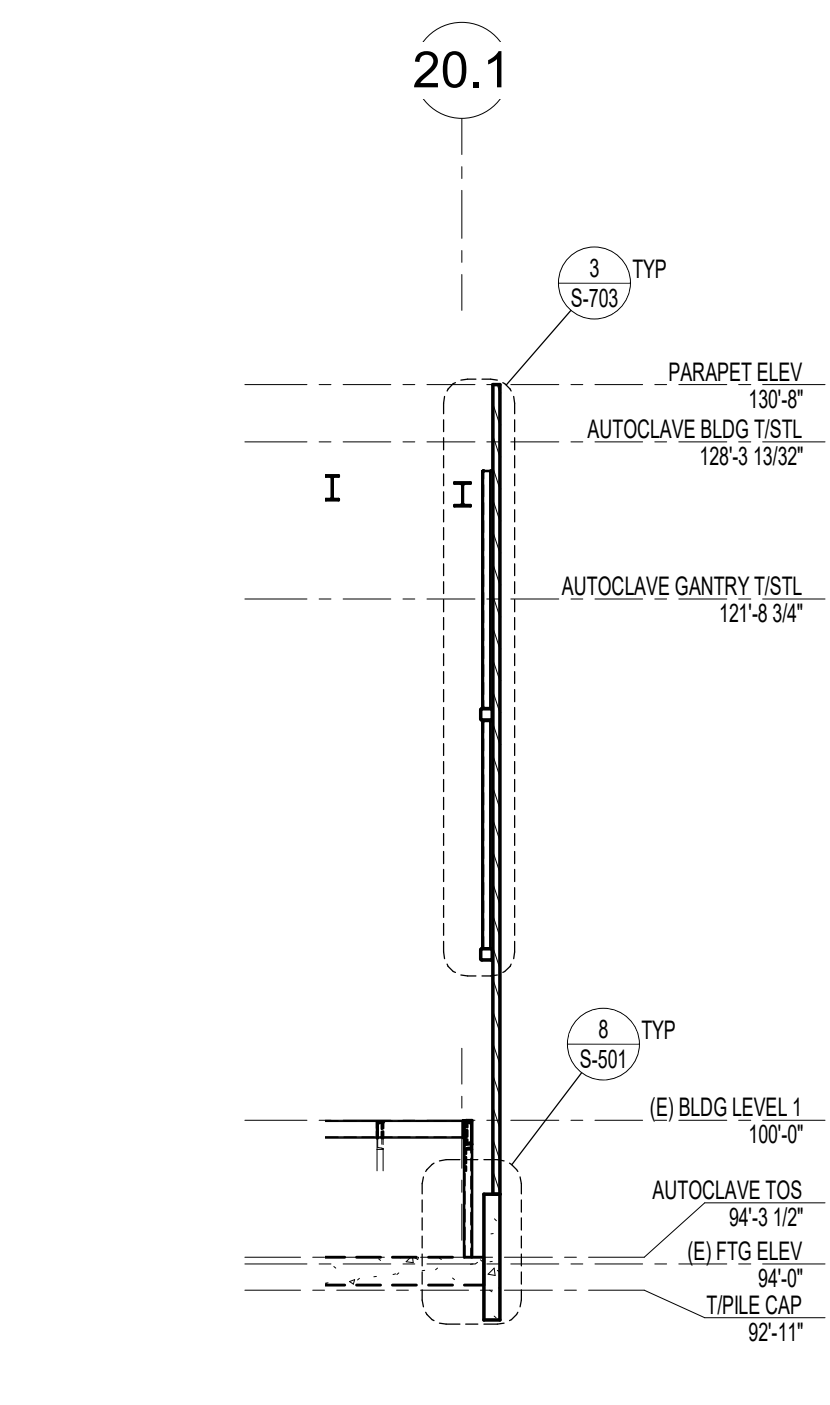


1 WIND GIRT WEST ELEVATION
S-301 SCALE: 1/8" = 1'-0"

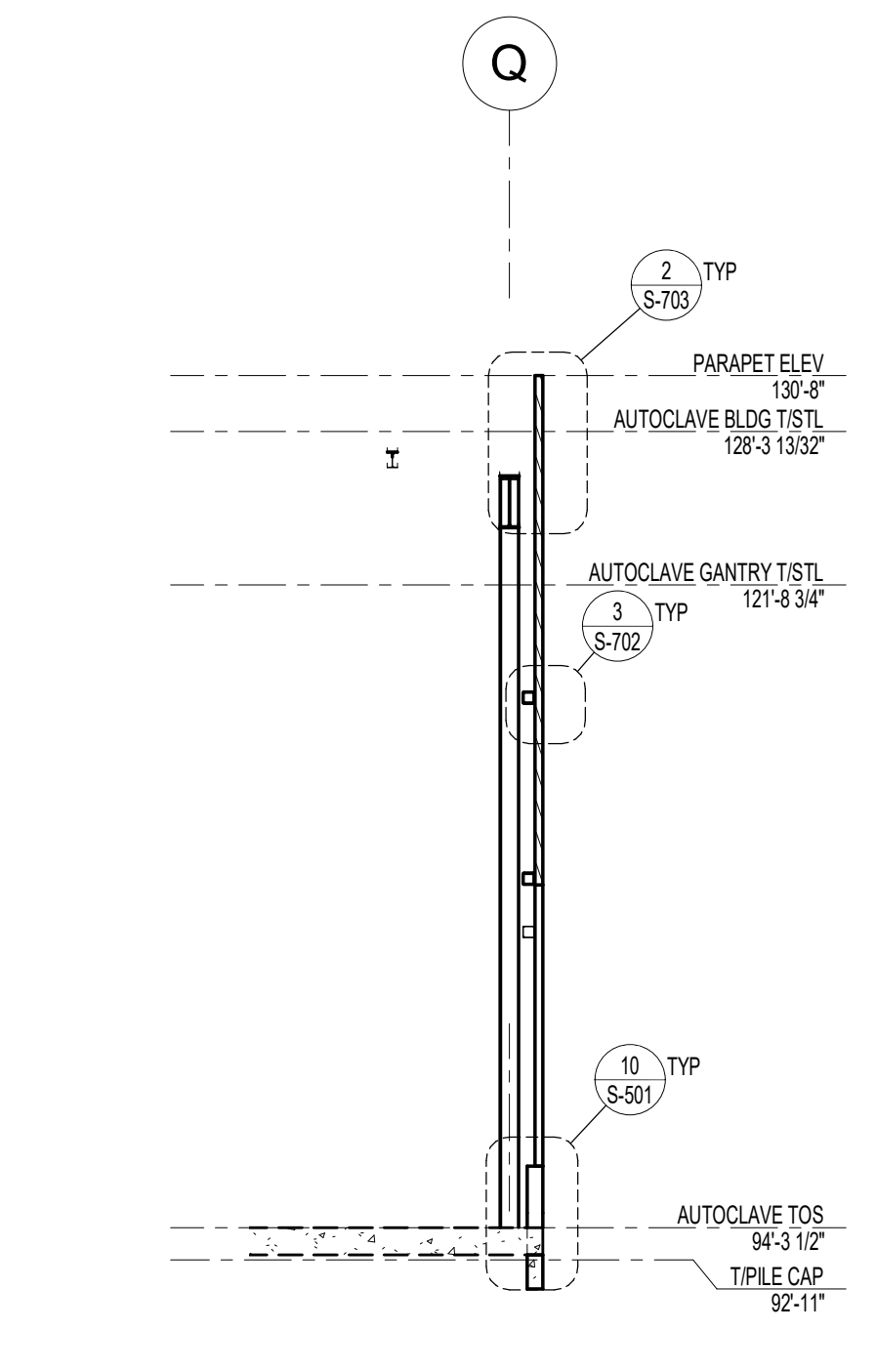
2 WIND GIRT EAST ELEVATION
S-301 SCALE: 1/8" = 1'-0"



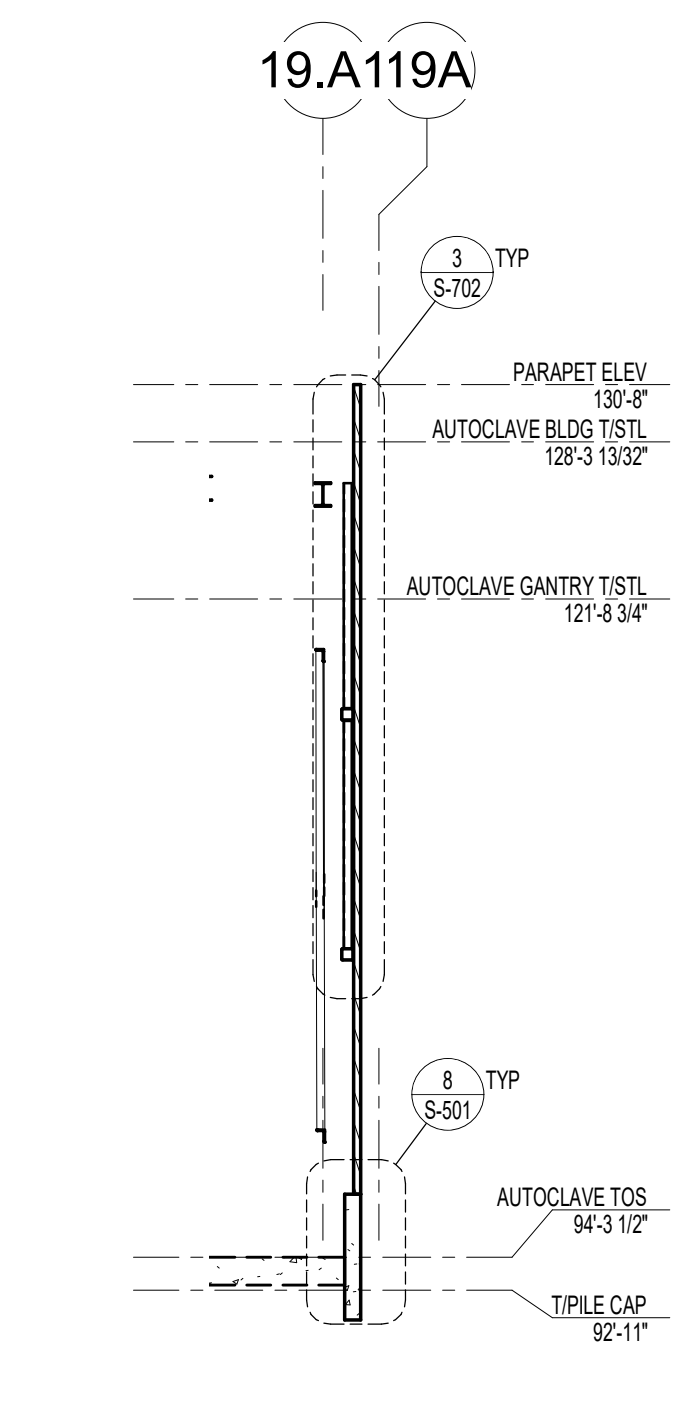
3 BENT-1 AND WIND GIRT NORTH ELEVATION
S-301 SCALE: 1/8" = 1'-0"



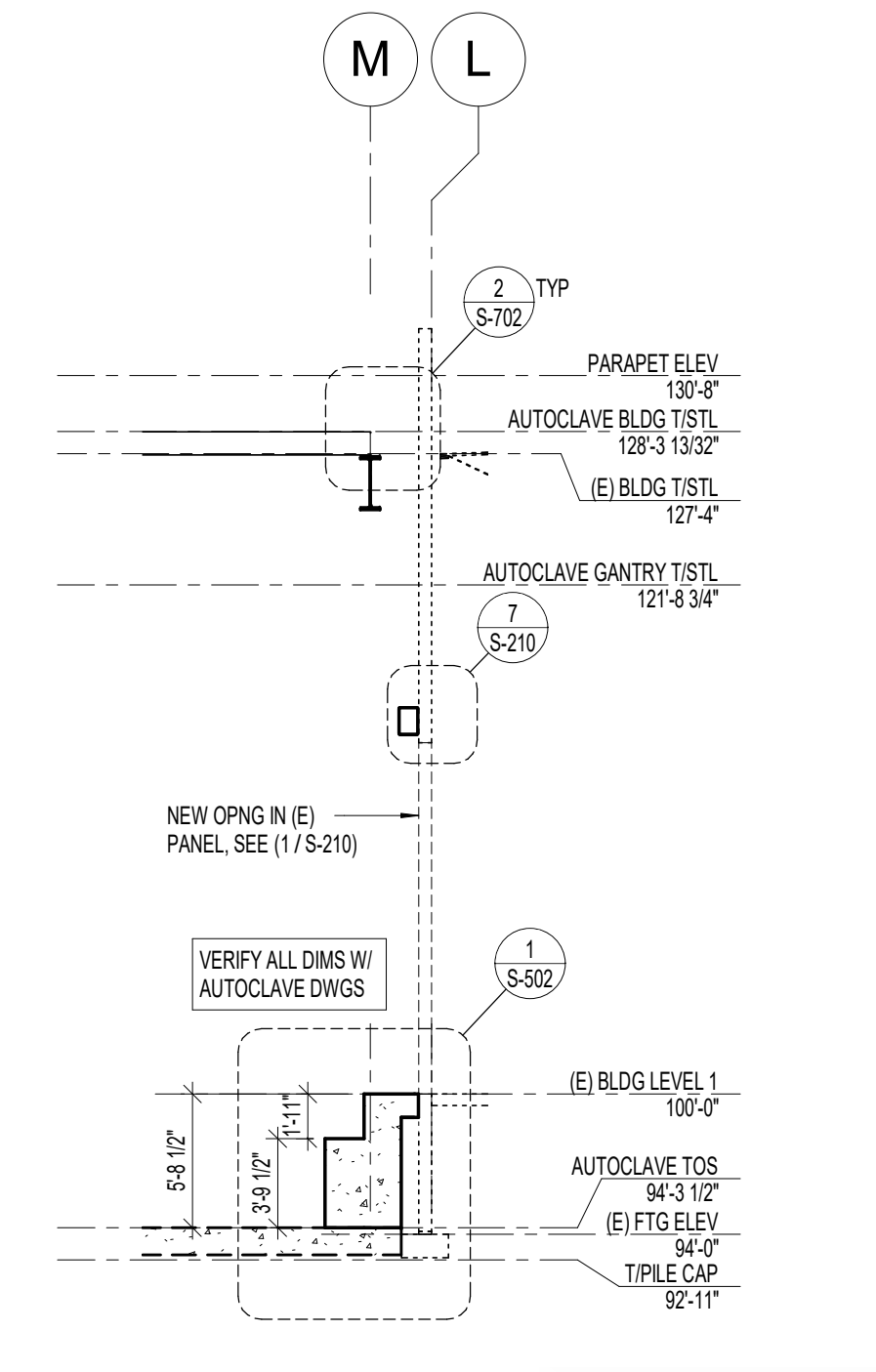
4 TYPICAL SIDE WIND GIRT WALL SECTION
S-301 SCALE: 1/8" = 1'-0"



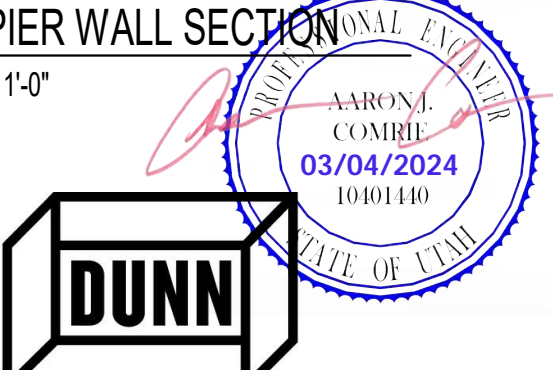
5 TYPICAL FRONT WIND GIRT WALL SECTION
S-301 SCALE: 1/8" = 1'-0"



6 WIND GIRT WALL SECTION
S-301 SCALE: 1/8" = 1'-0"



7 BRIDGE PIER WALL SECTION
S-301 SCALE: 1/8" = 1'-0"



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Project Name
NORTH ADDITION

Scale
2024.03.04
PERMIT SET

Sheet Title
FOOTING AND FOUNDATION DETAILS

Drawn JLM	Date 2024.03.04
Project No. 230103	

Sheet No.
S-501



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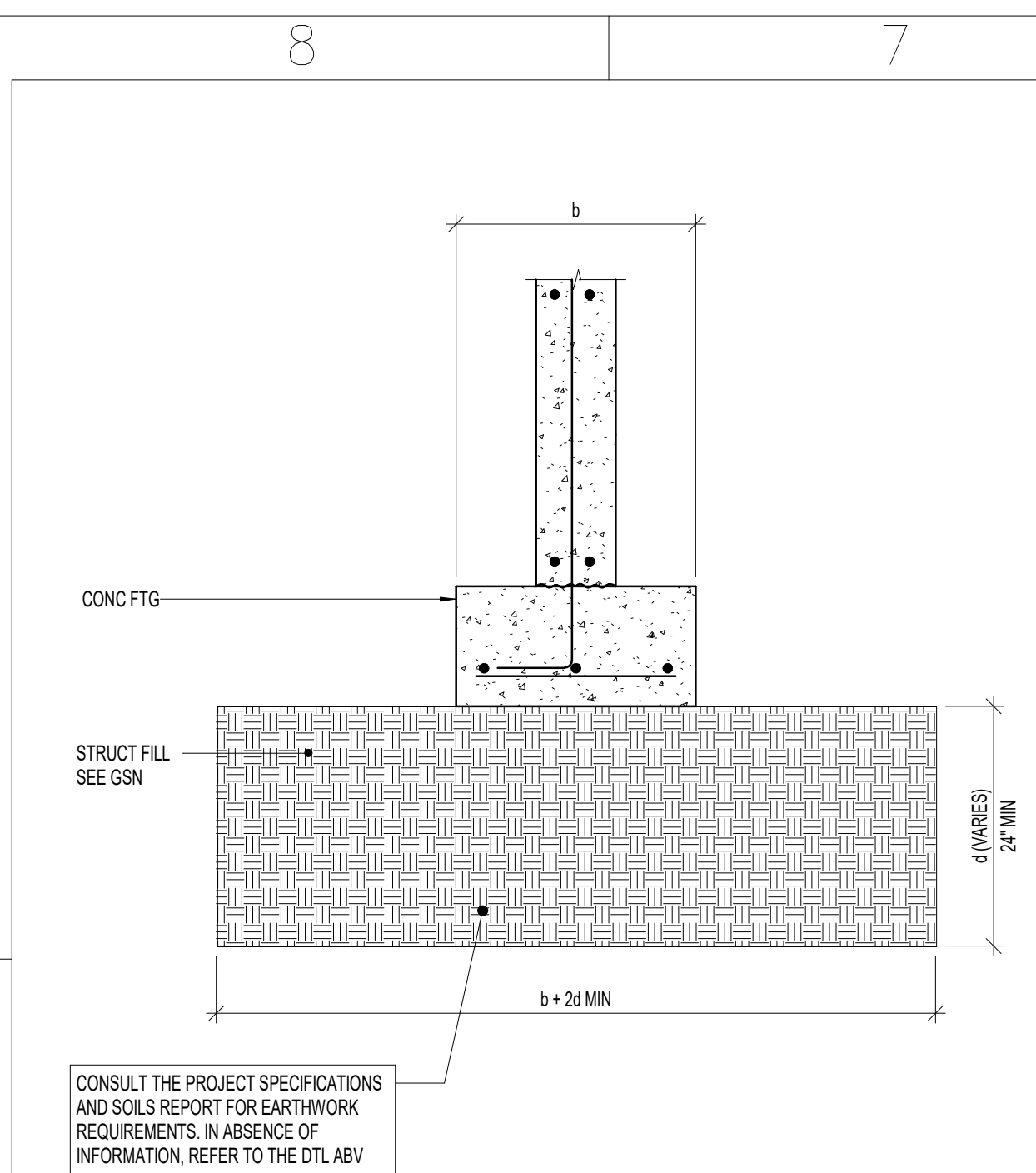
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2024.03.04
PERMIT SET

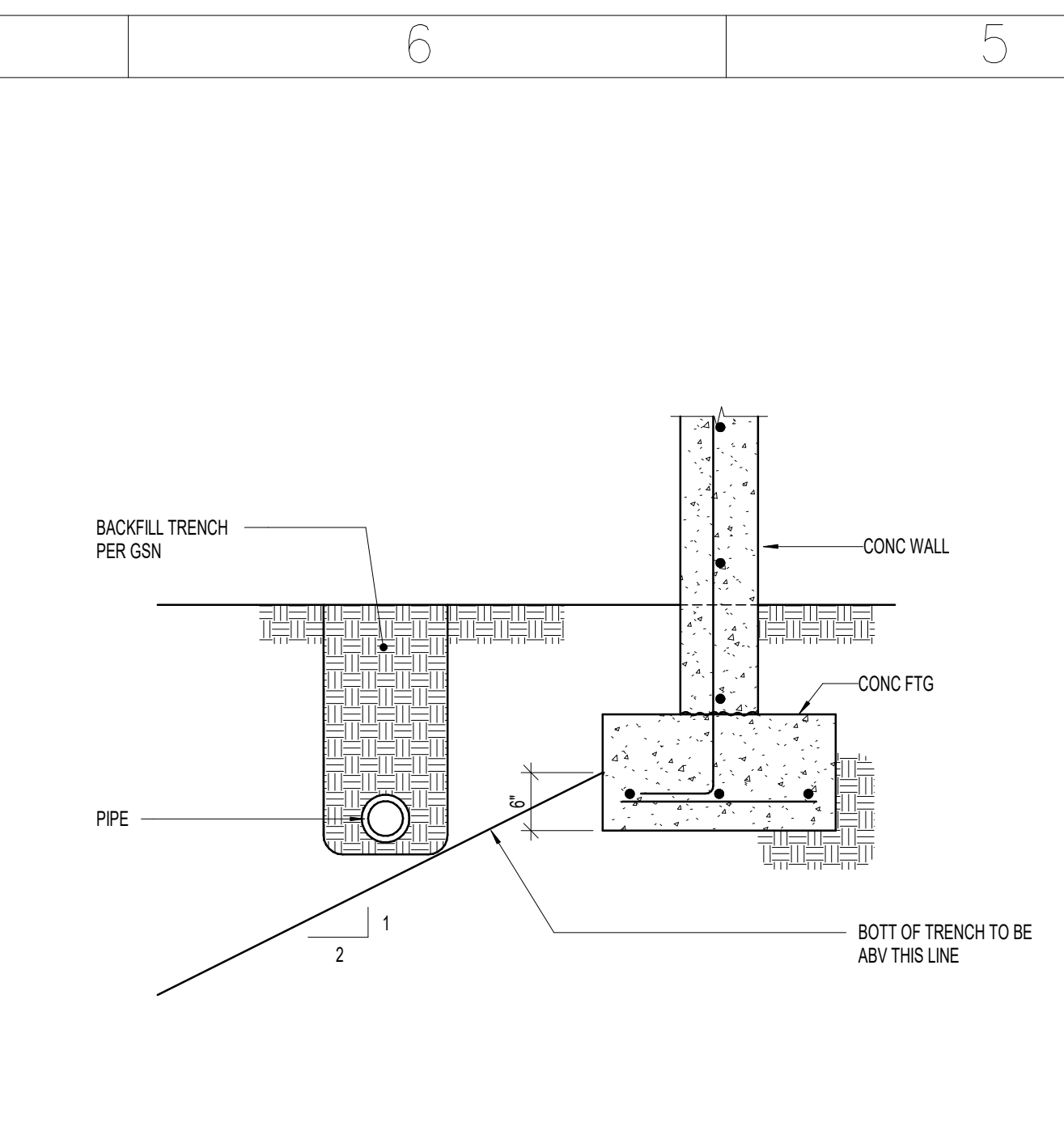
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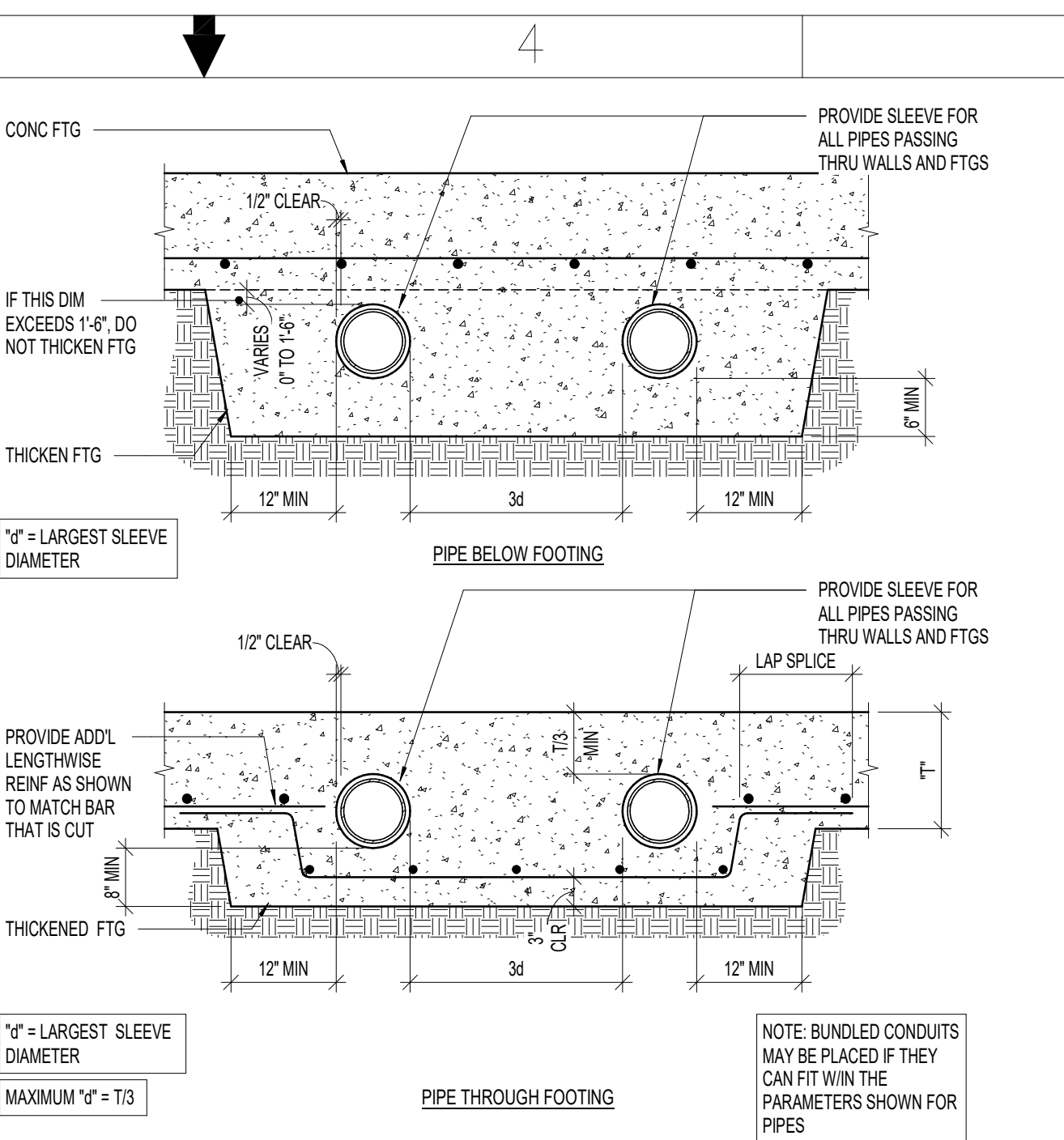
ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116



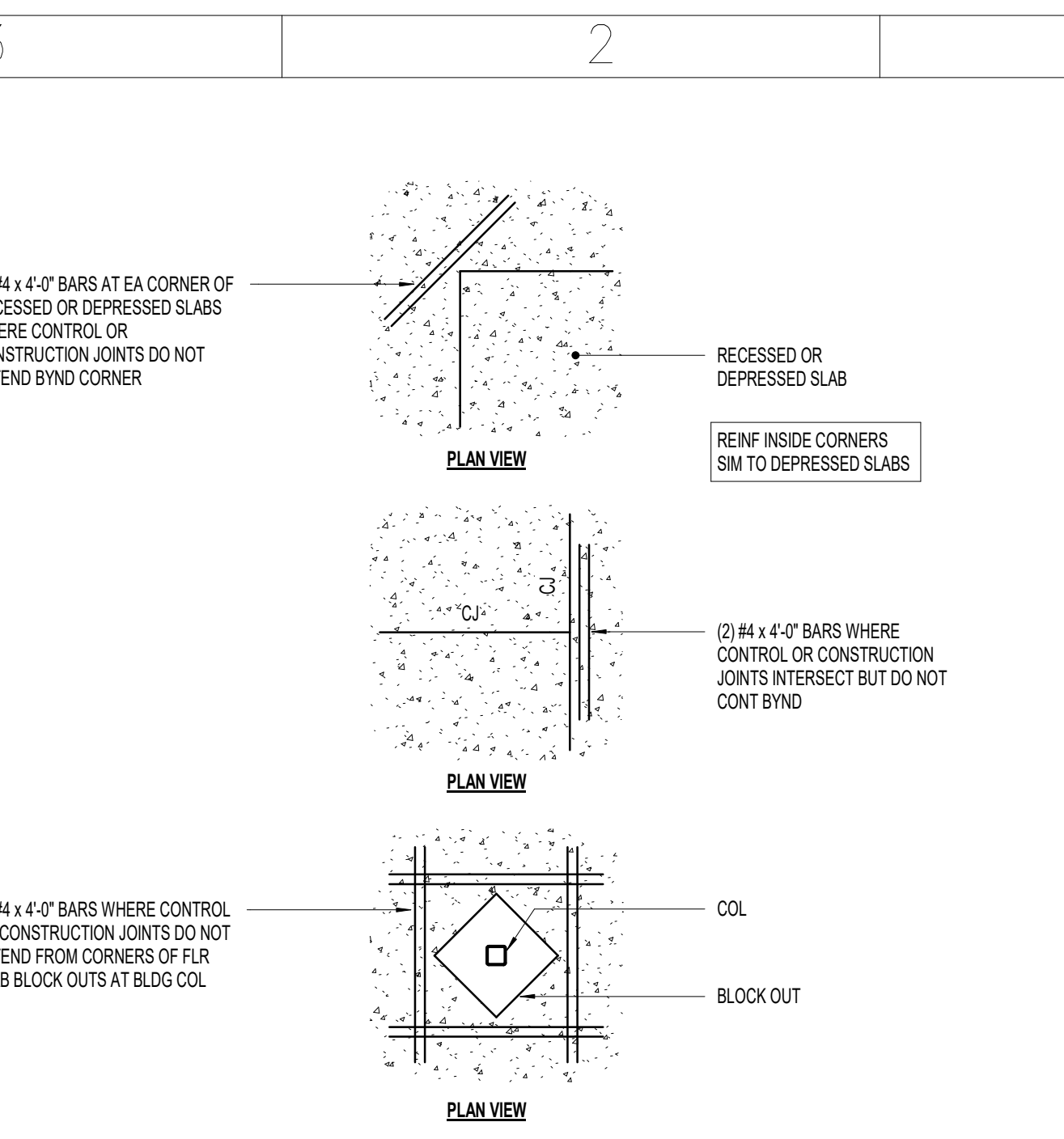
1 TYPICAL COMPACTED STRUCTURAL FILL
S-501 NO SCALE
149101



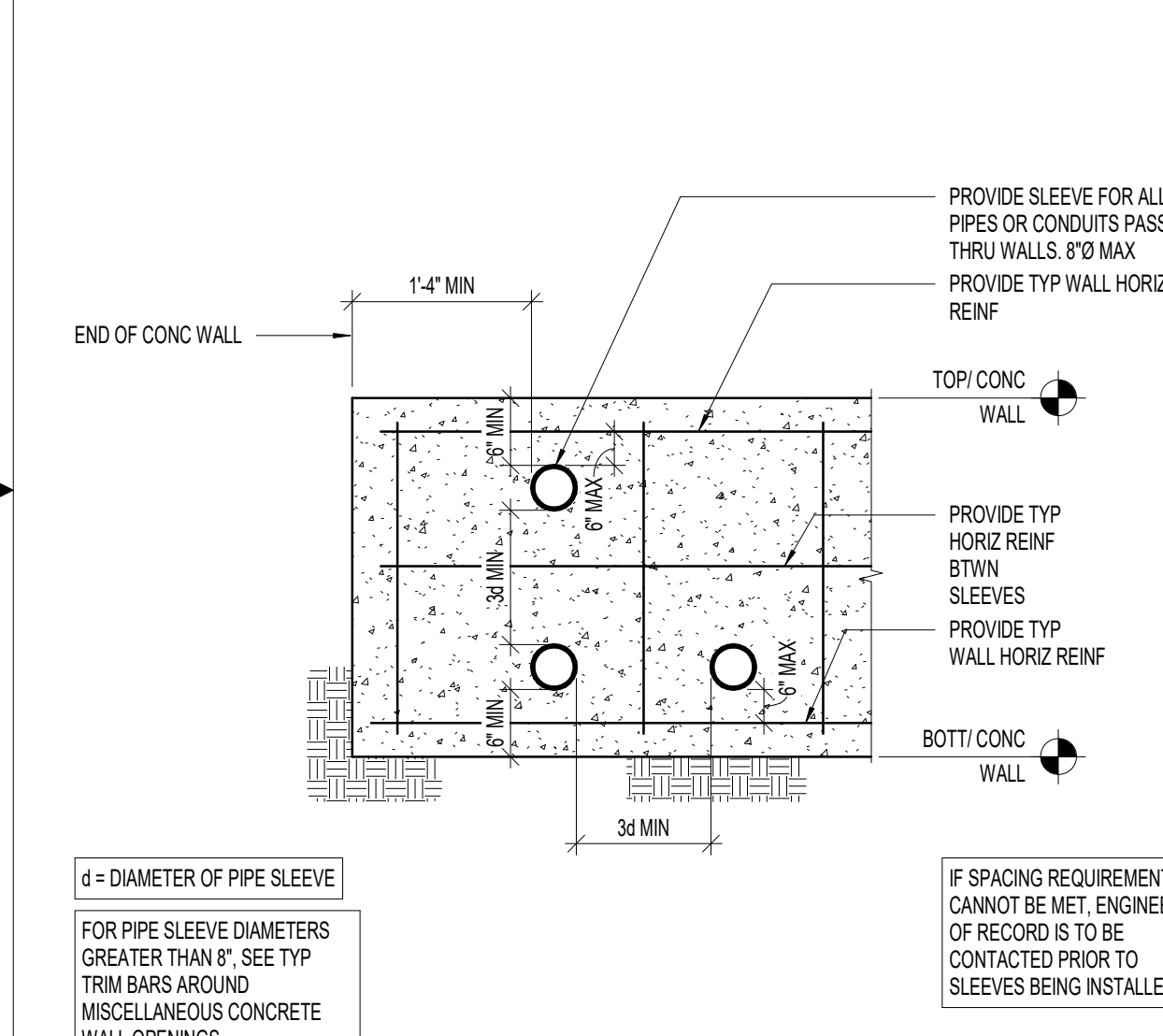
2 TYPICAL PIPE PARALLEL TO FOOTING
S-501 NO SCALE
149103



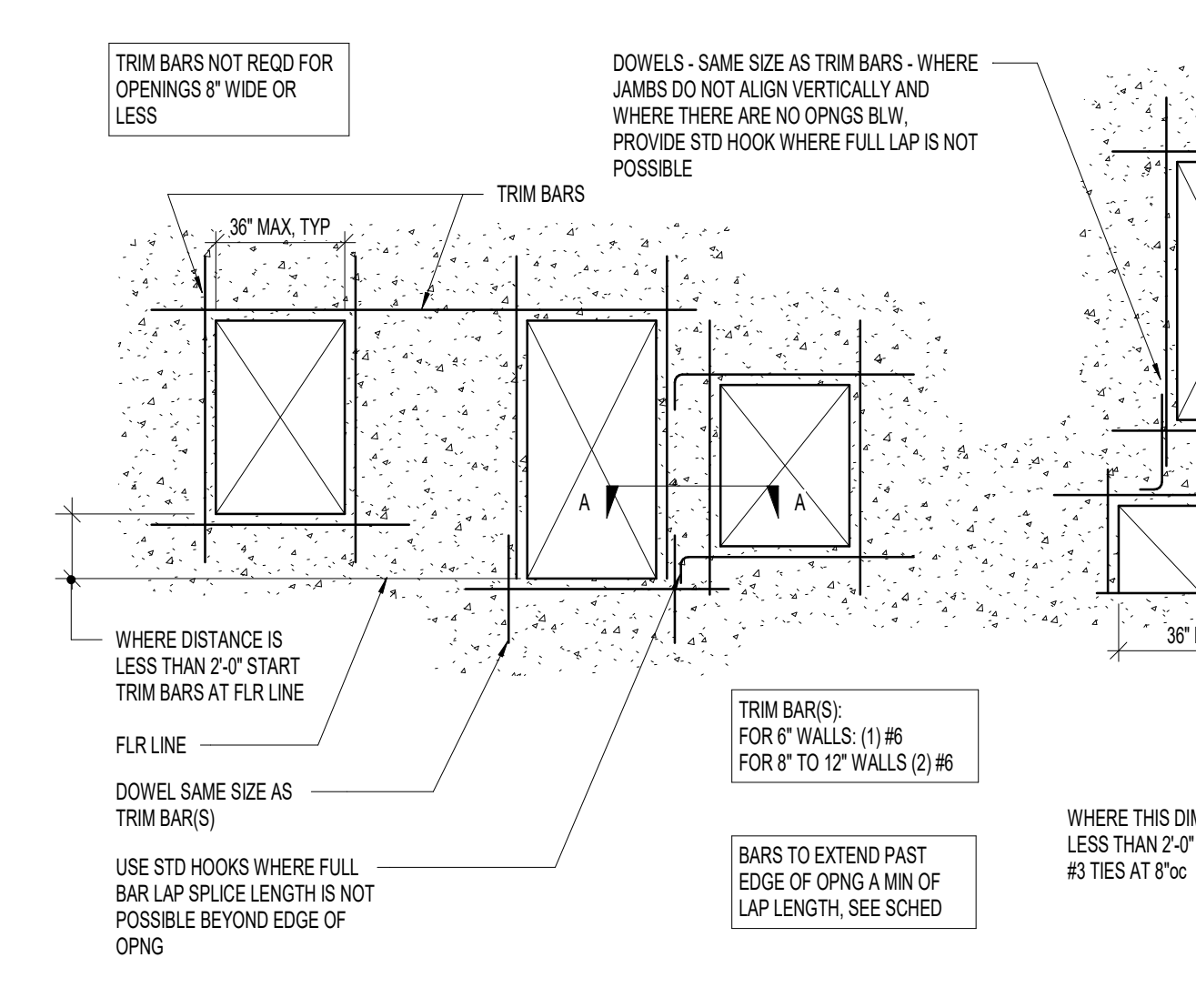
3 TYPICAL PIPE PERPENDICULAR TO FOOTING
S-501 NO SCALE
149104



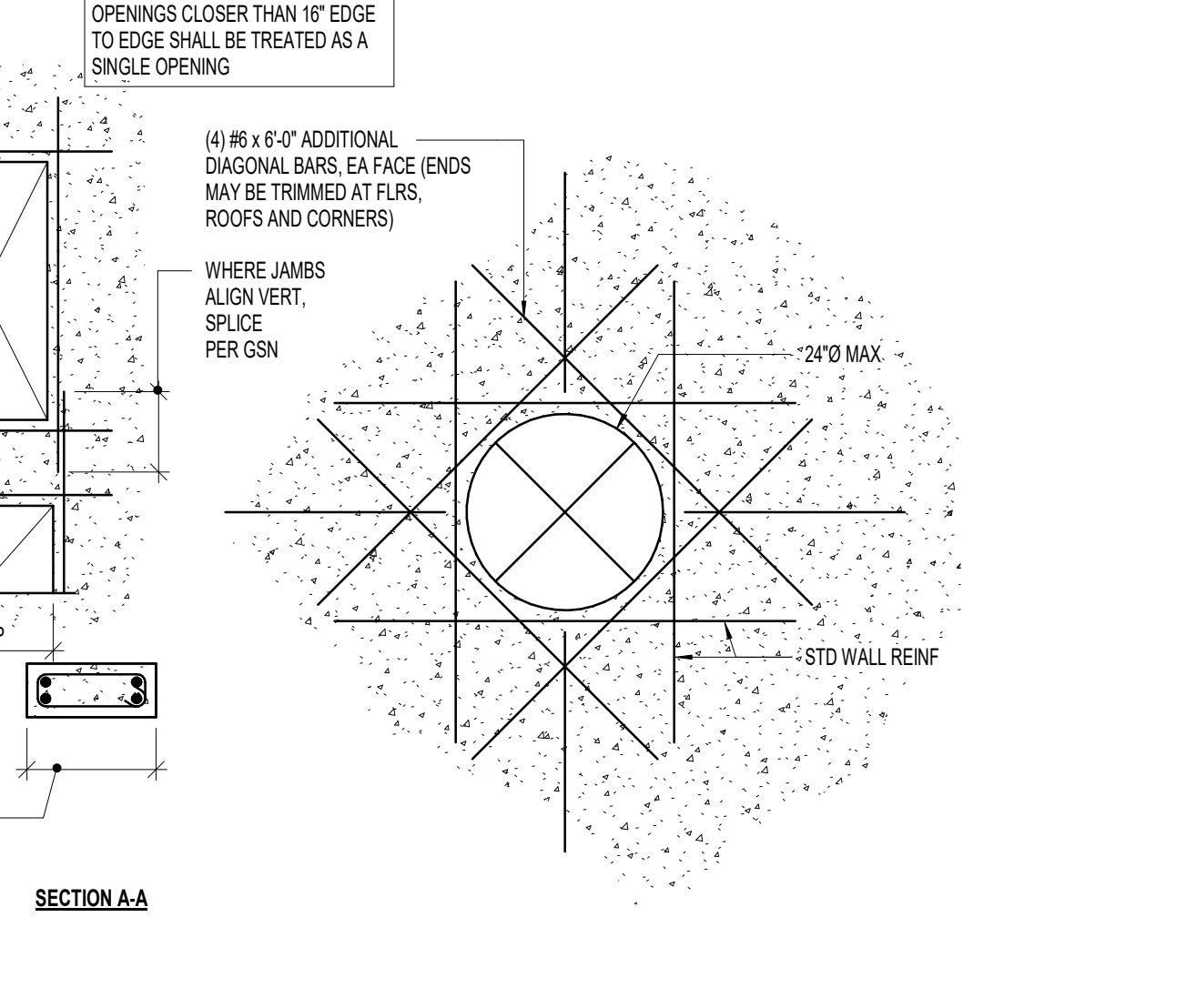
4 TYPICAL SLAB ON GRADE DISCONTINUITIES REQUIRING ADDITIONAL REINFORCING
S-501 NO SCALE
149105



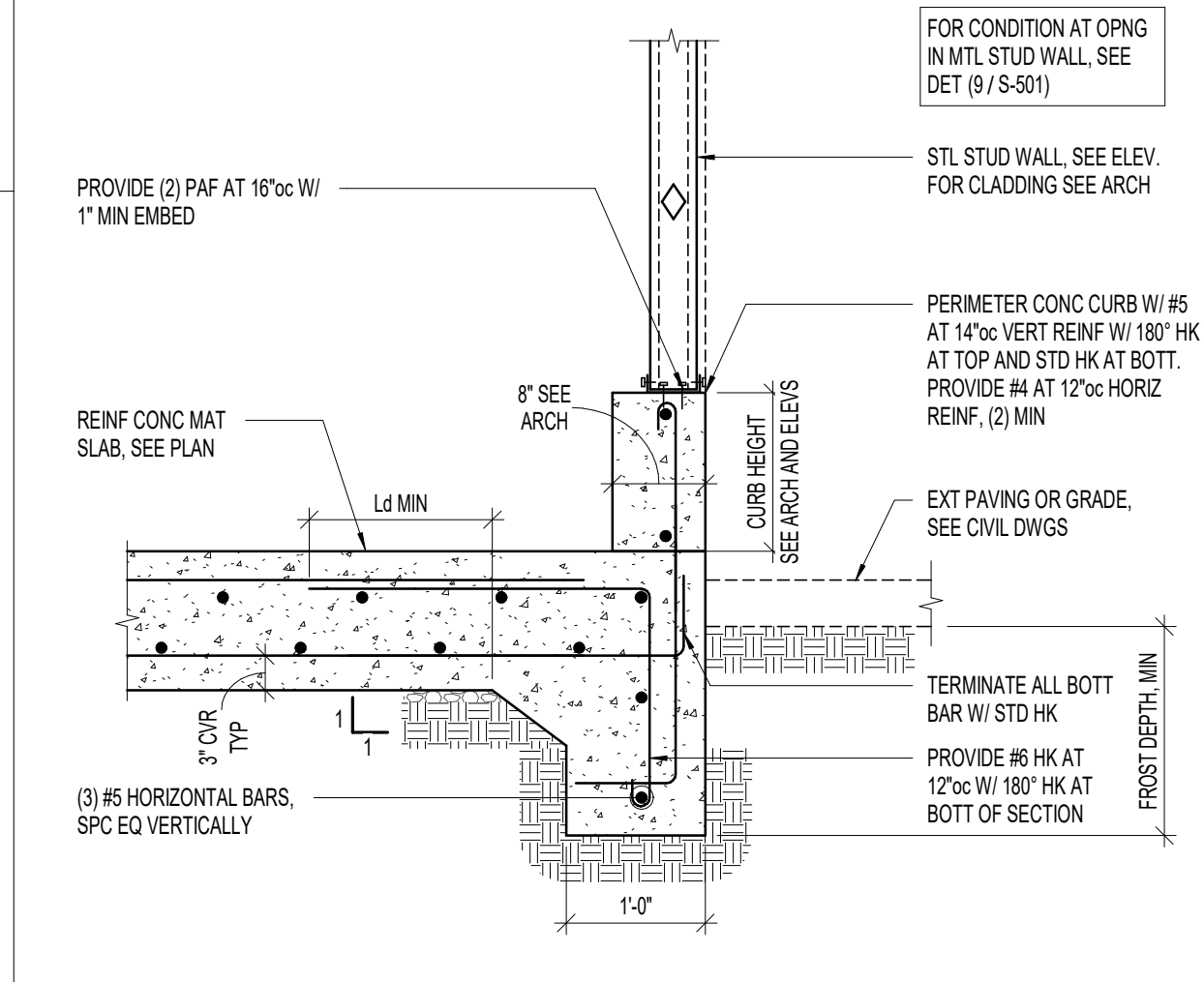
5 TYPICAL SMALL PIPE OR CONDUIT THROUGH CONCRETE WALL
S-501 NO SCALE
149106



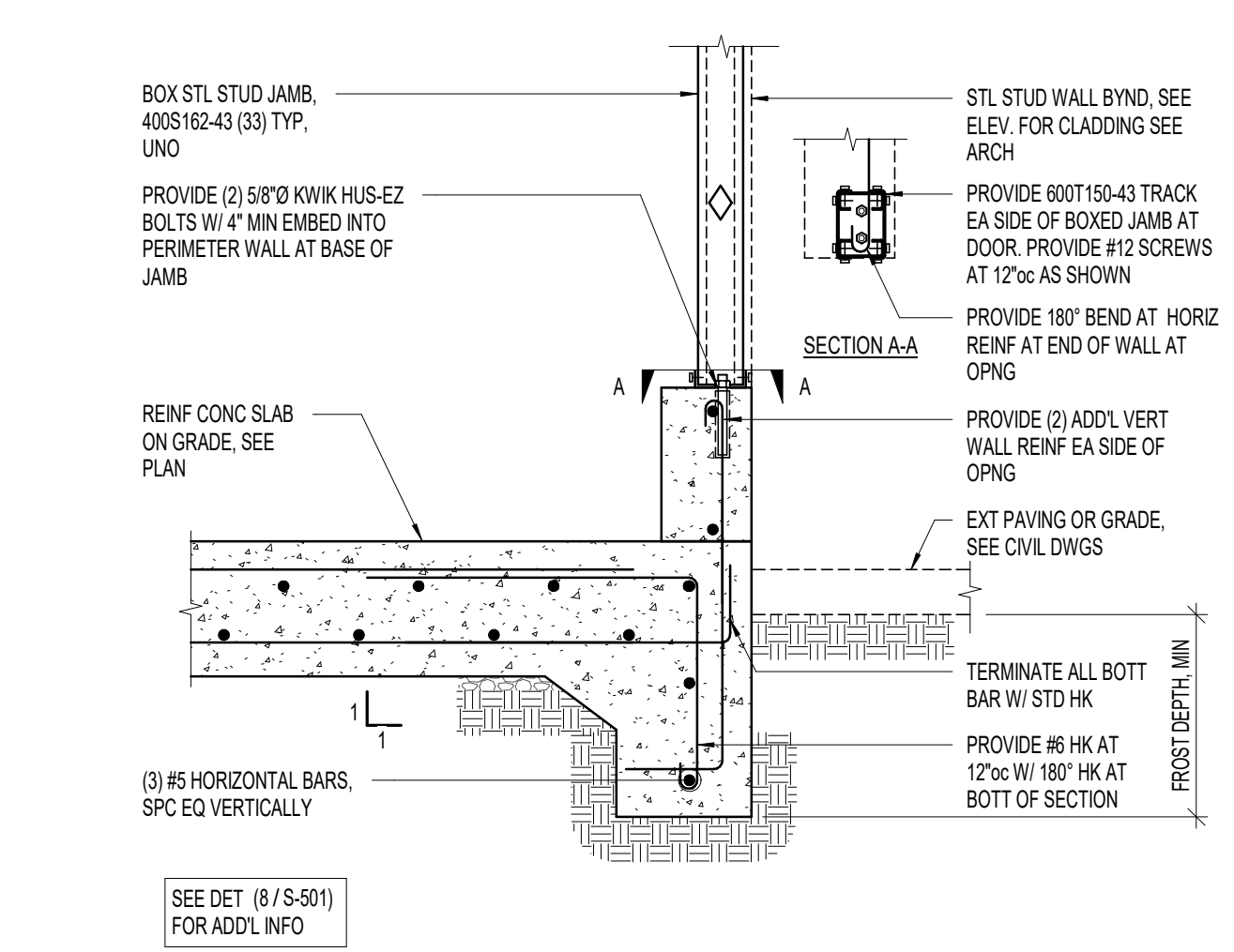
6 TYPICAL TRIM BARS AROUND MISCELLANEOUS CONCRETE WALL OPENINGS UNLESS NOTED OTHERWISE
S-501 NO SCALE
149110



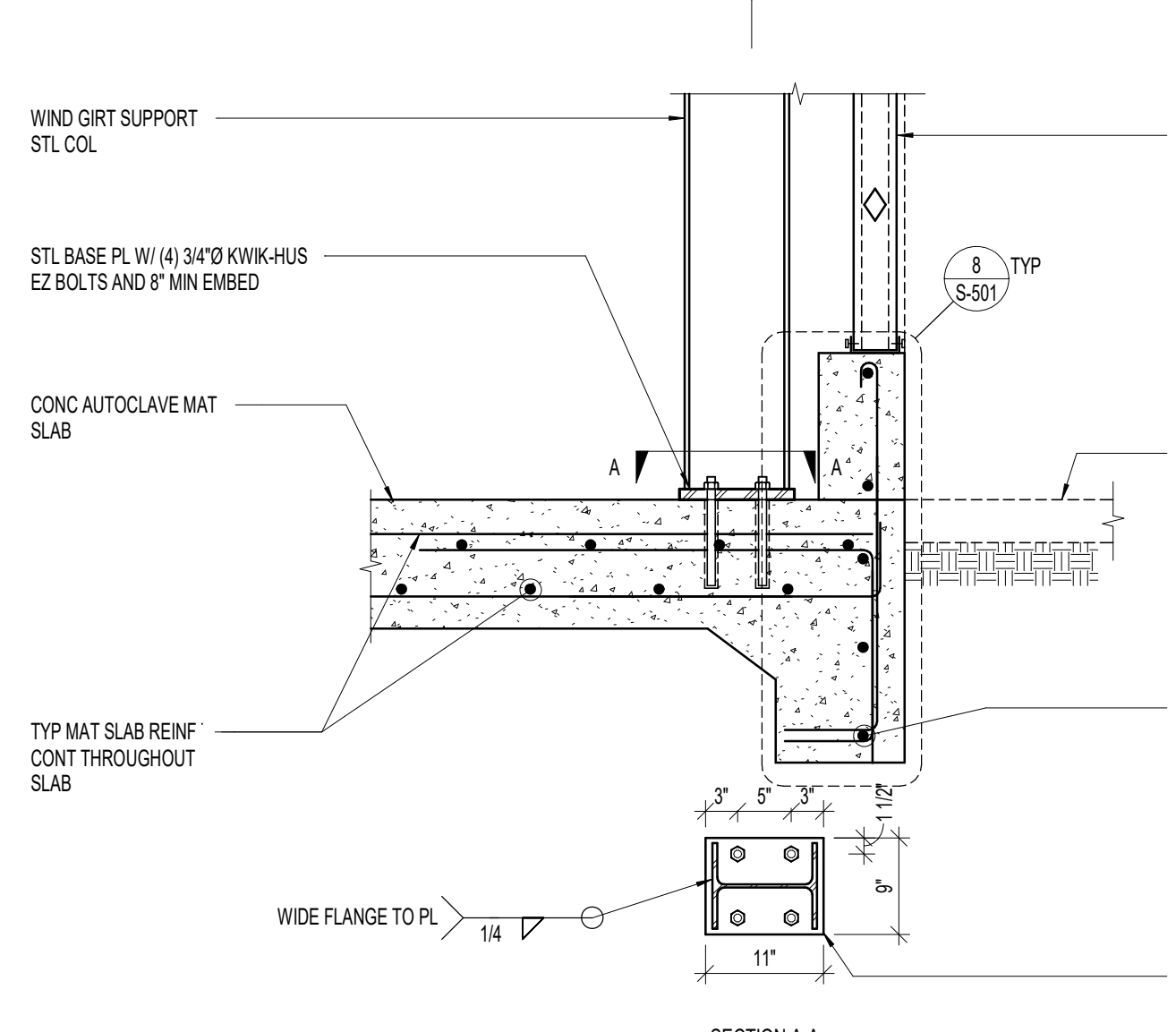
7 TYPICAL CORNER BARS FOR SINGLE REINFORCED CONCRETE WALLS (PLAN VIEW)
S-501 NO SCALE
149111



8 TYPICAL AUTOCLAVE MAT SLAB TURN DOWN AT EXTERIOR
S-501 NO SCALE



9 AUTOCLAVE OPENING JAMB TO SLAB ON GRADE
S-501 NO SCALE



10 WIND GIRTS COLUMN TO FOUNDATION
S-501 NO SCALE
149102

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Project Name
NORTH ADDITION

Sheet Title
FOOTING AND FOUNDATION DETAILS

Scale
2024.03.04 PERMIT SET

Drawn
JLM

Project No.
230103

Sheet No.
S-502

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8

7

6

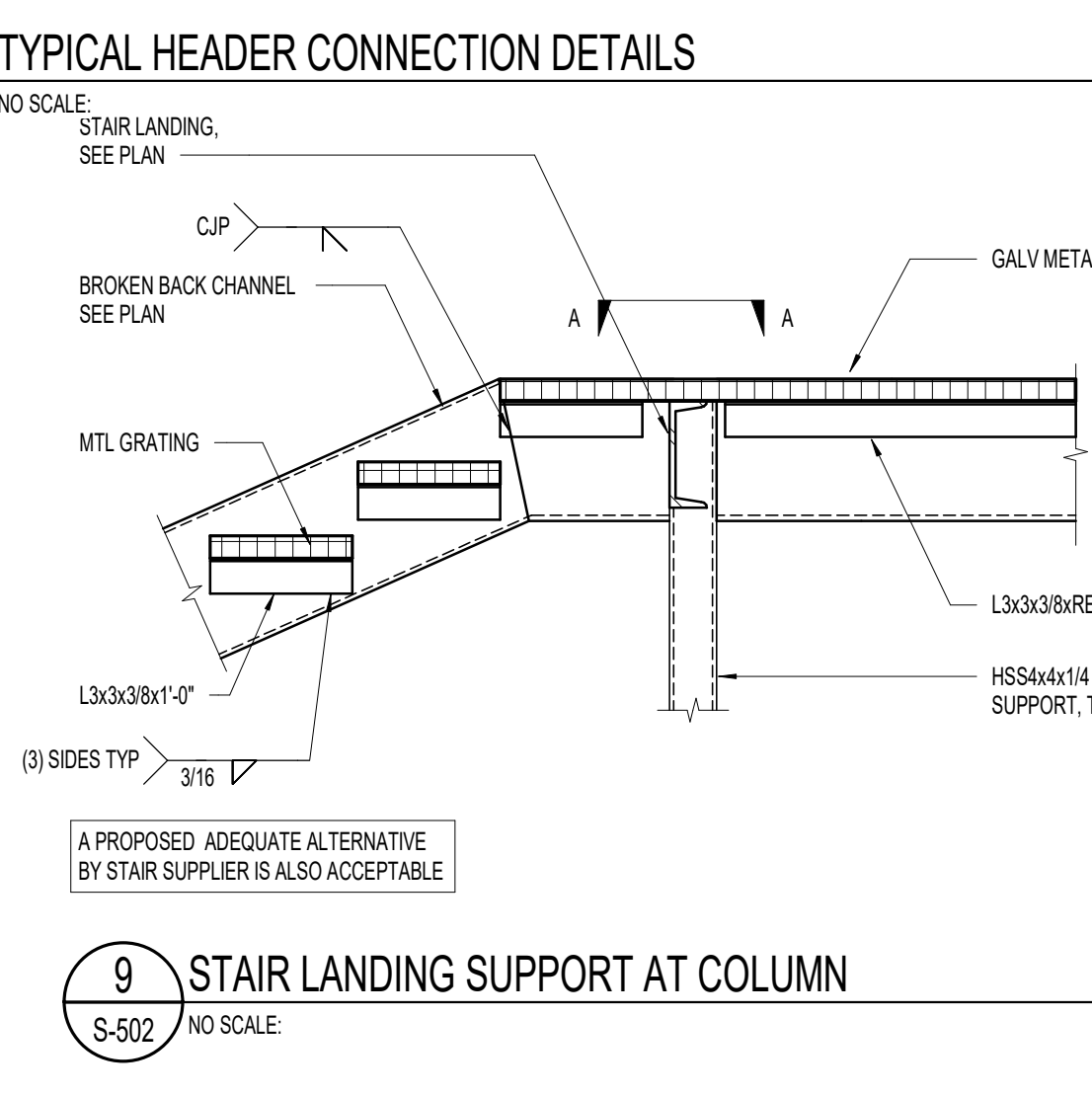
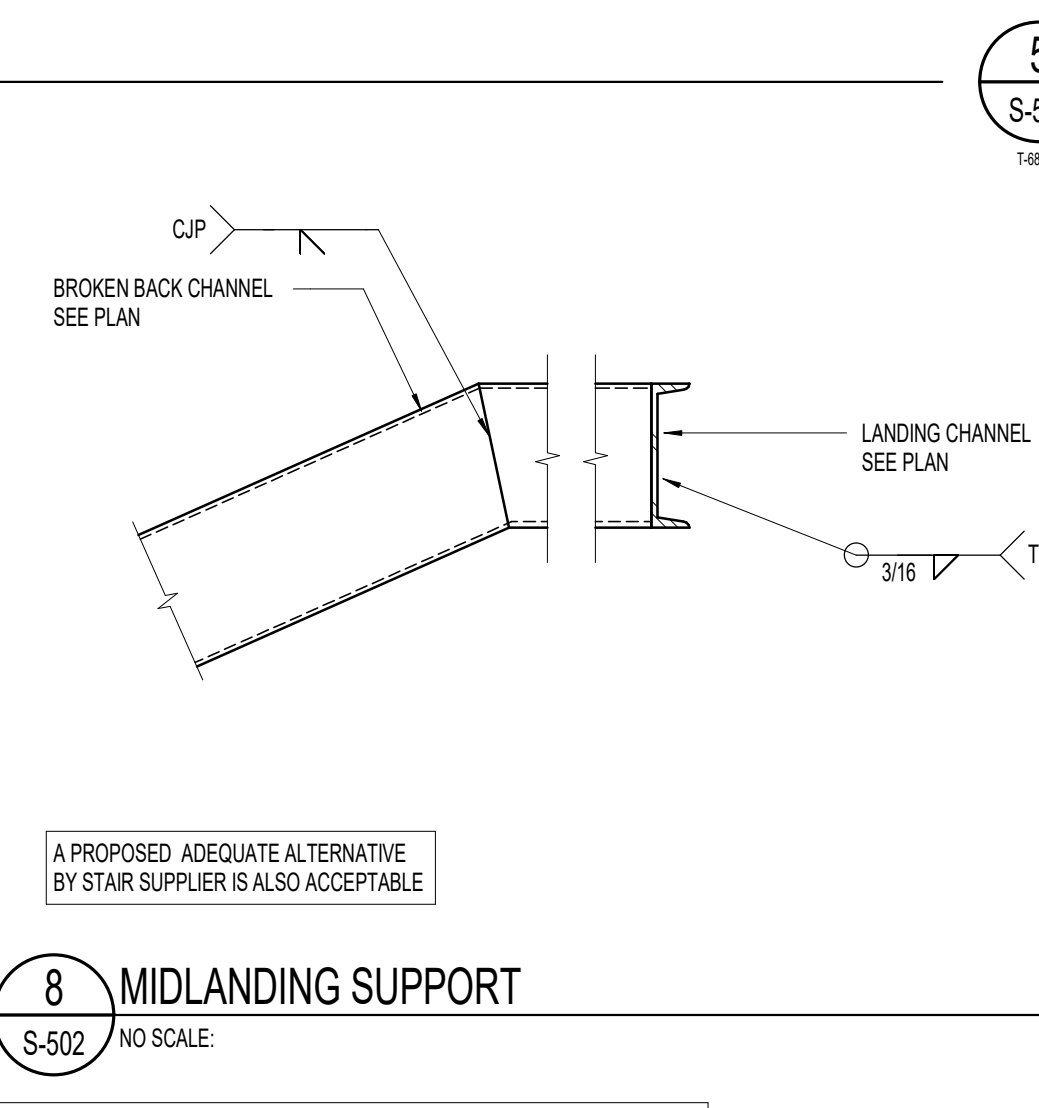
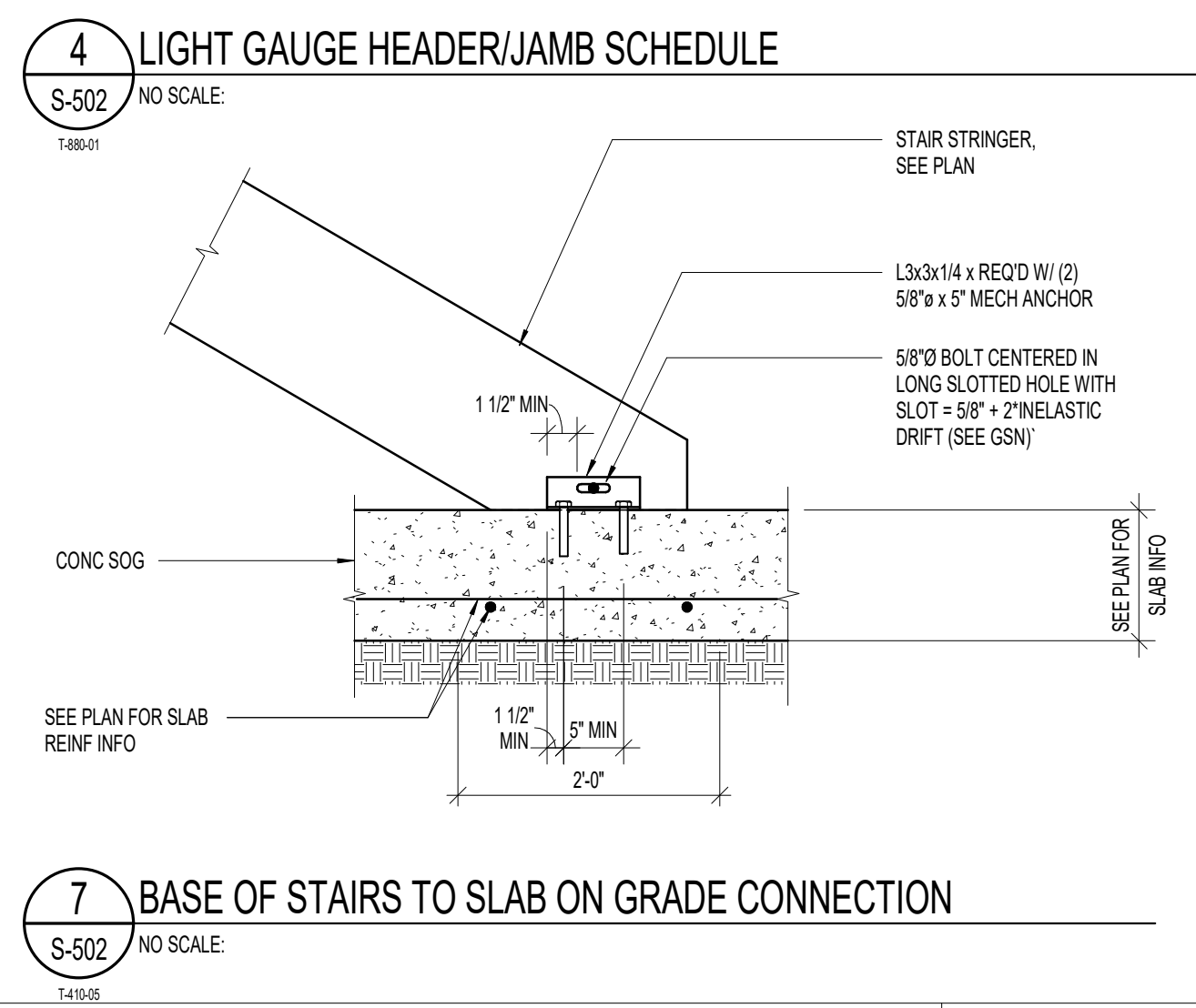
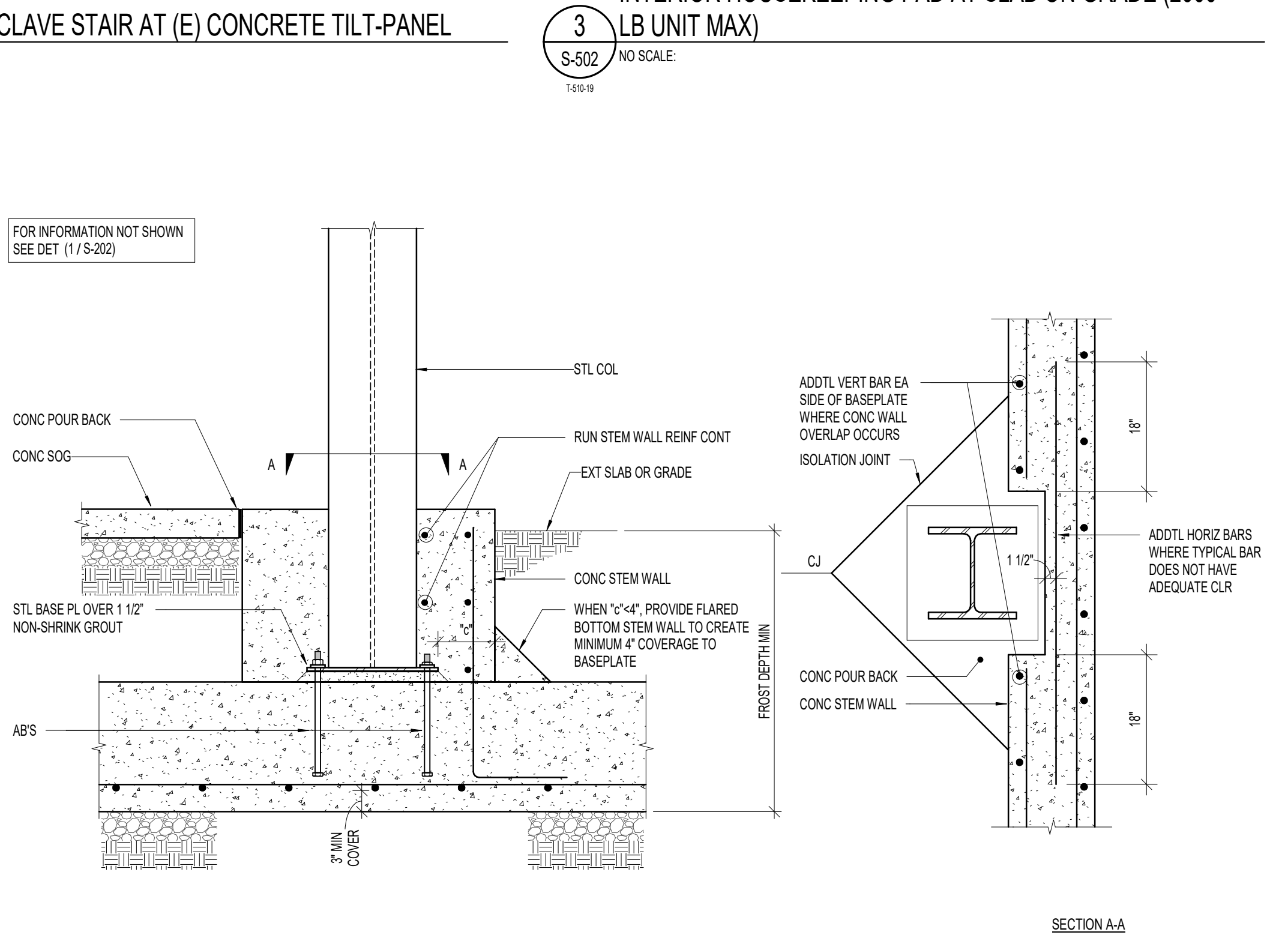
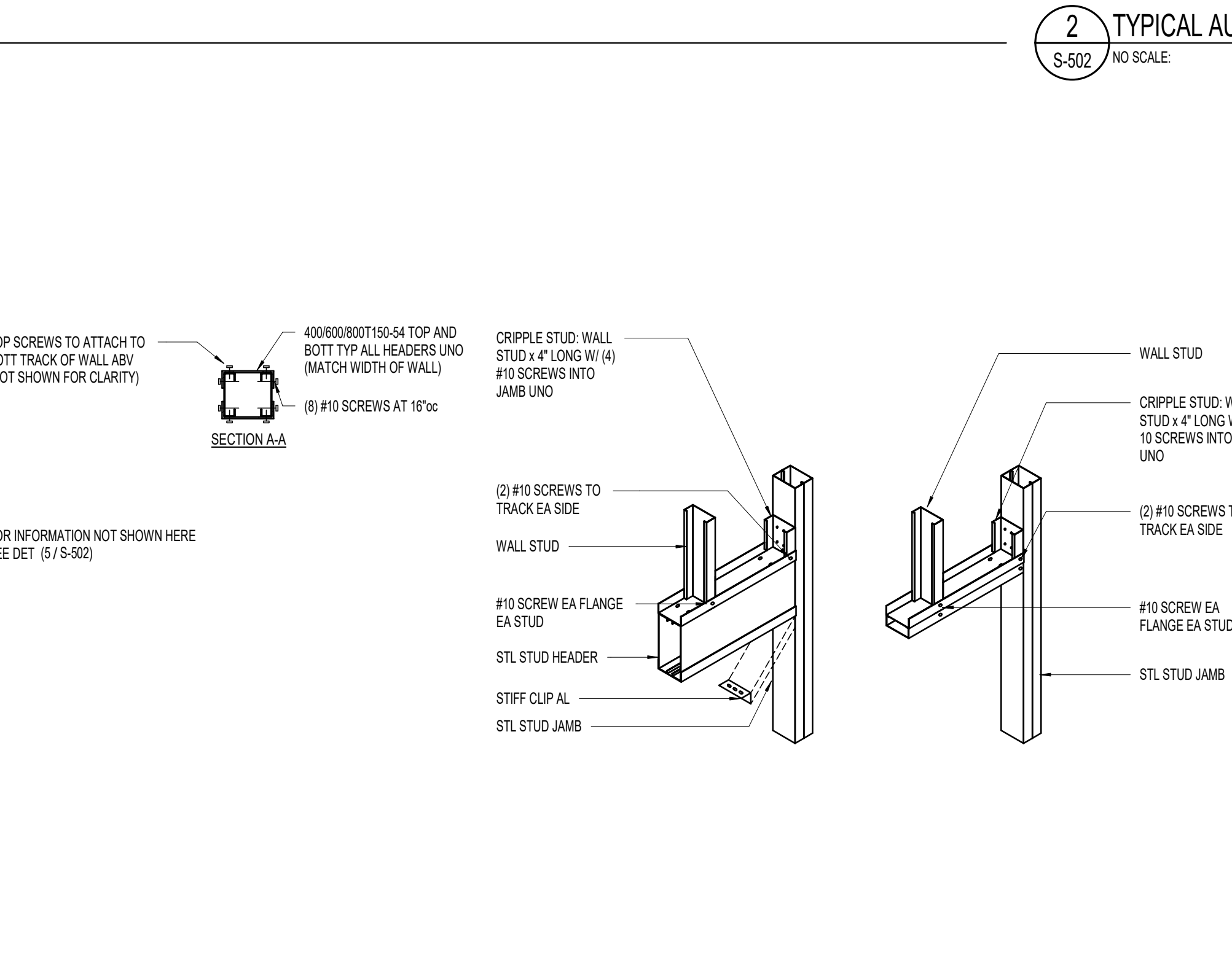
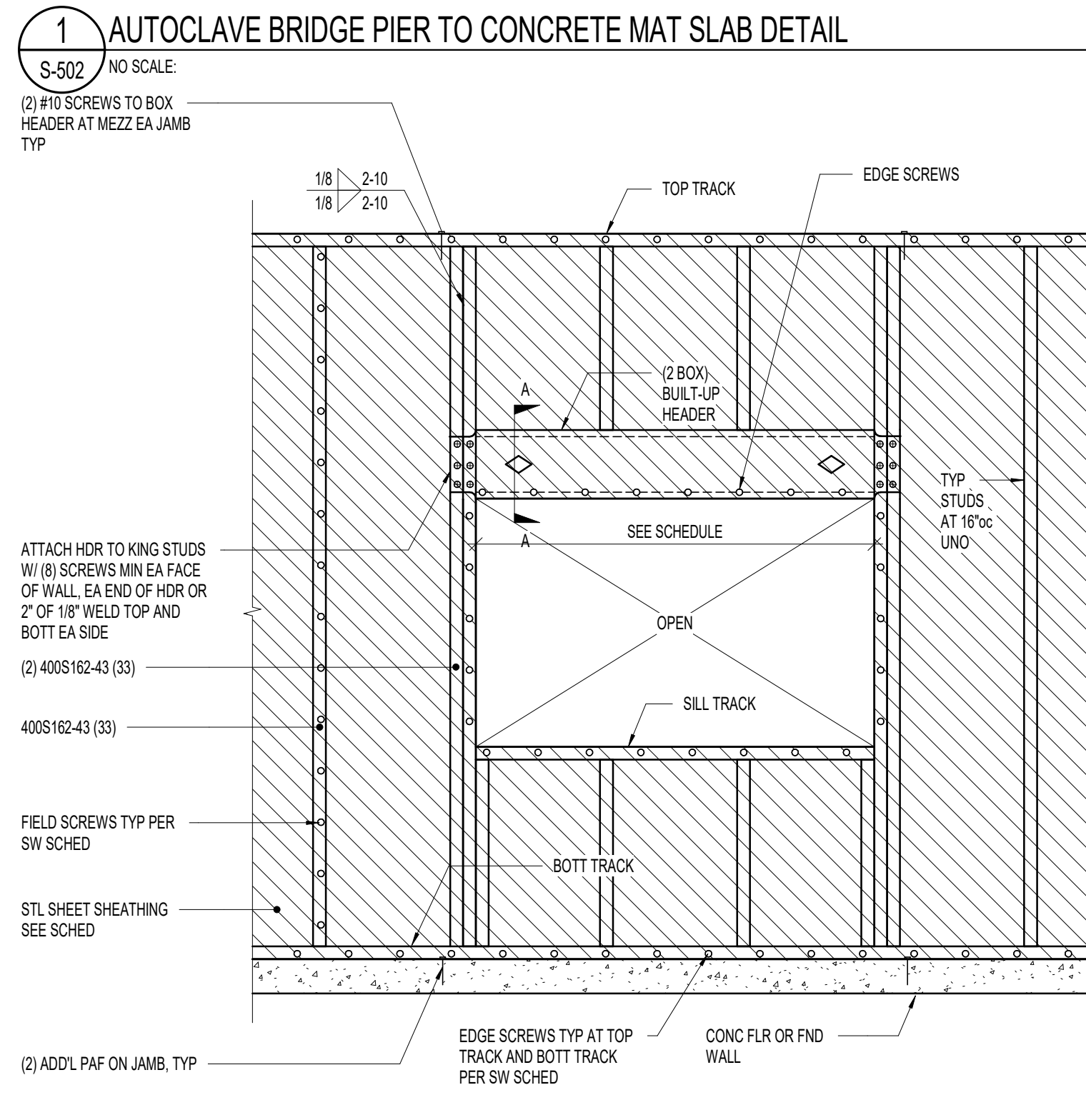
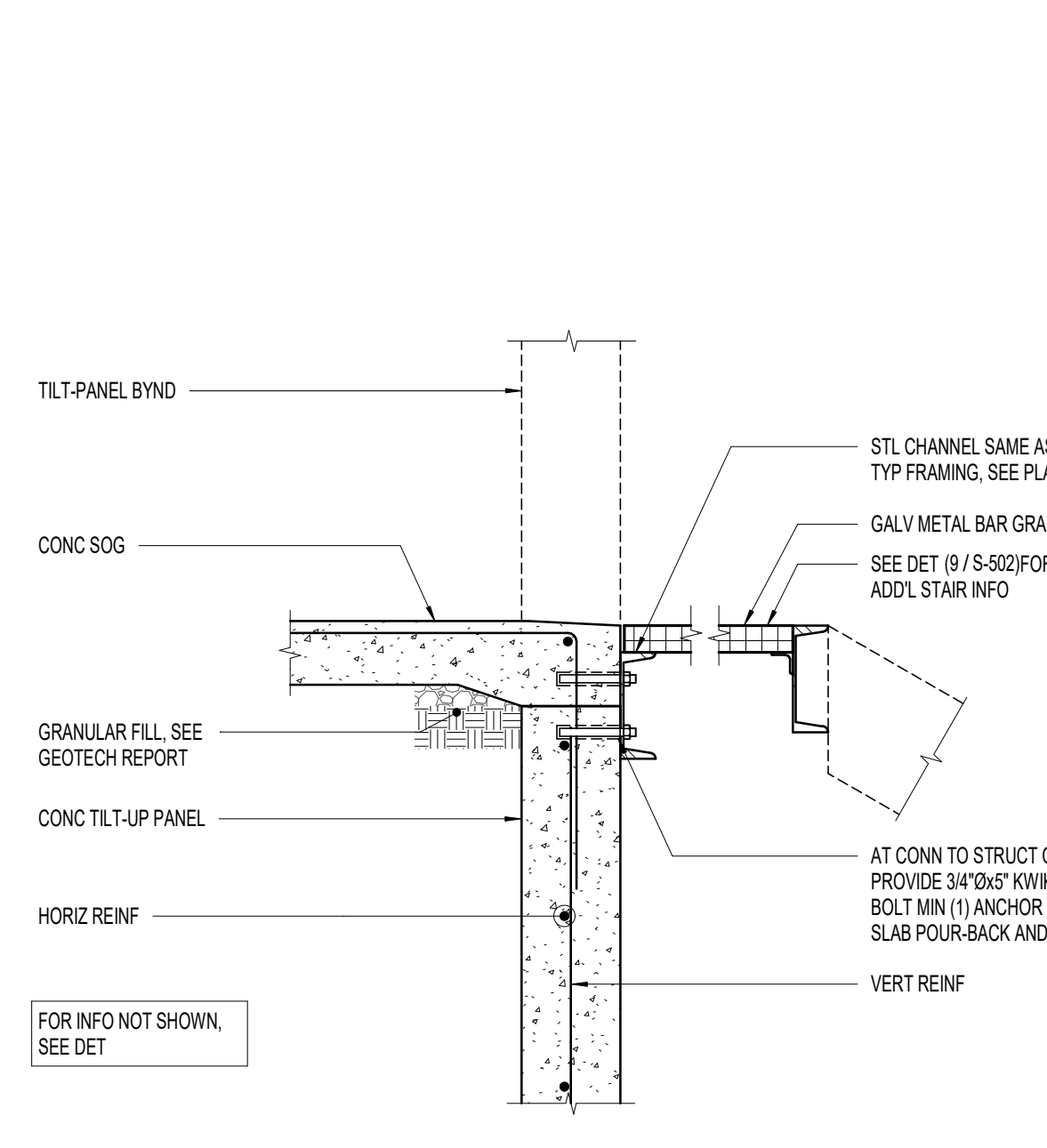
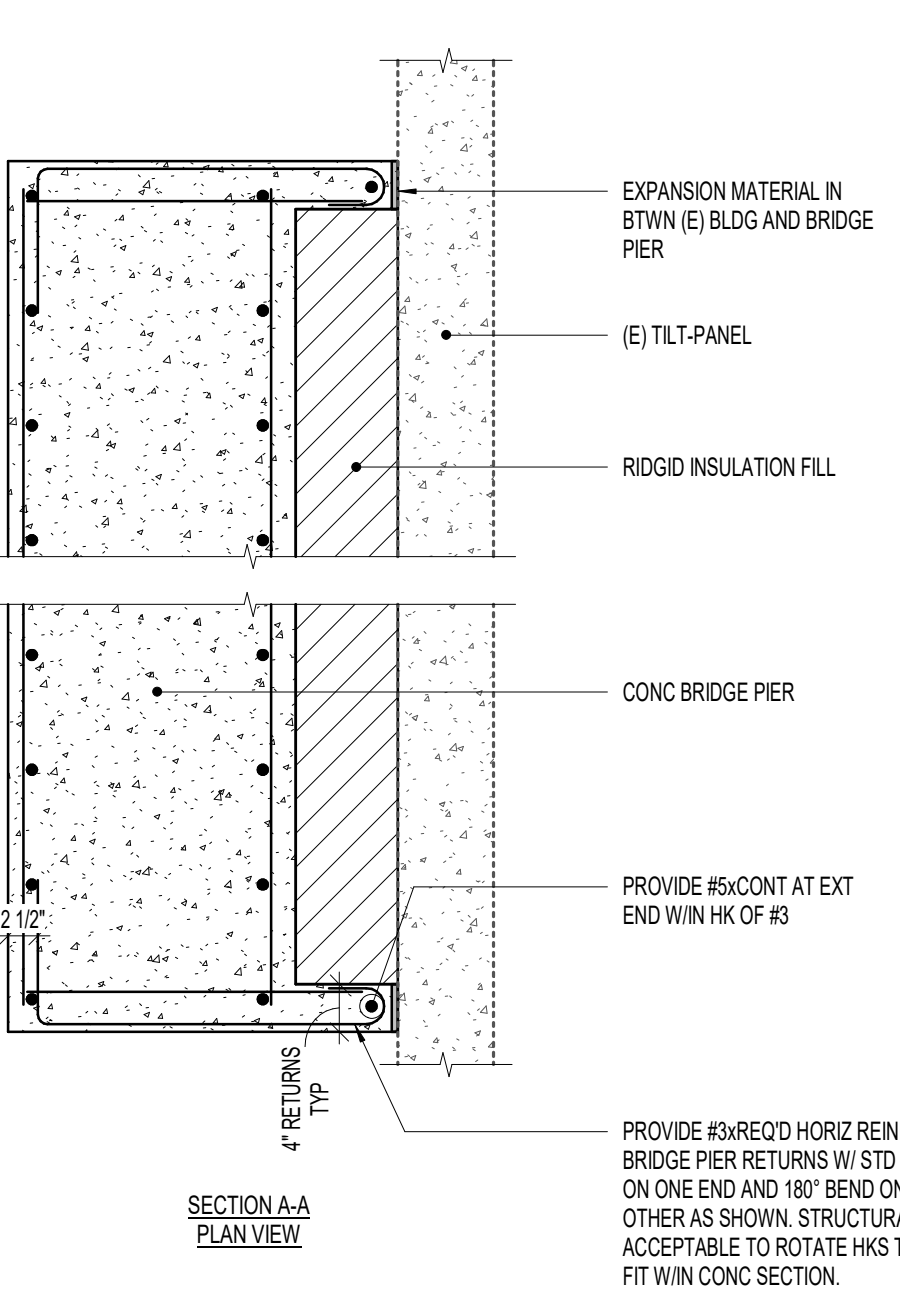
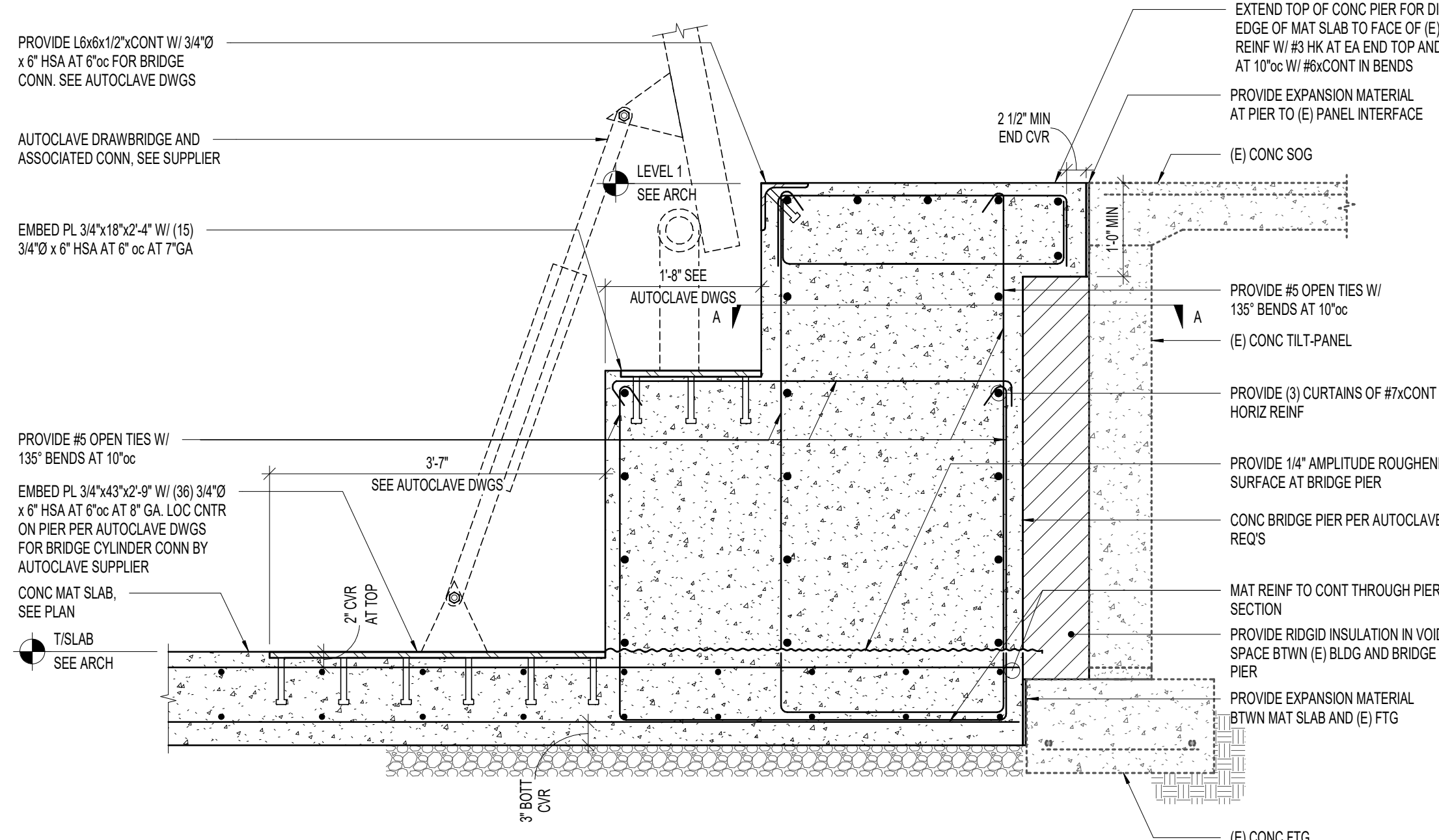
5

4

3

2

1



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No.	Description	Date

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Project Name
NORTH ADDITION

Sheet Title
ROOF FRAMING DETAILS

Scale
2024.03.04

Date
2024.03.04

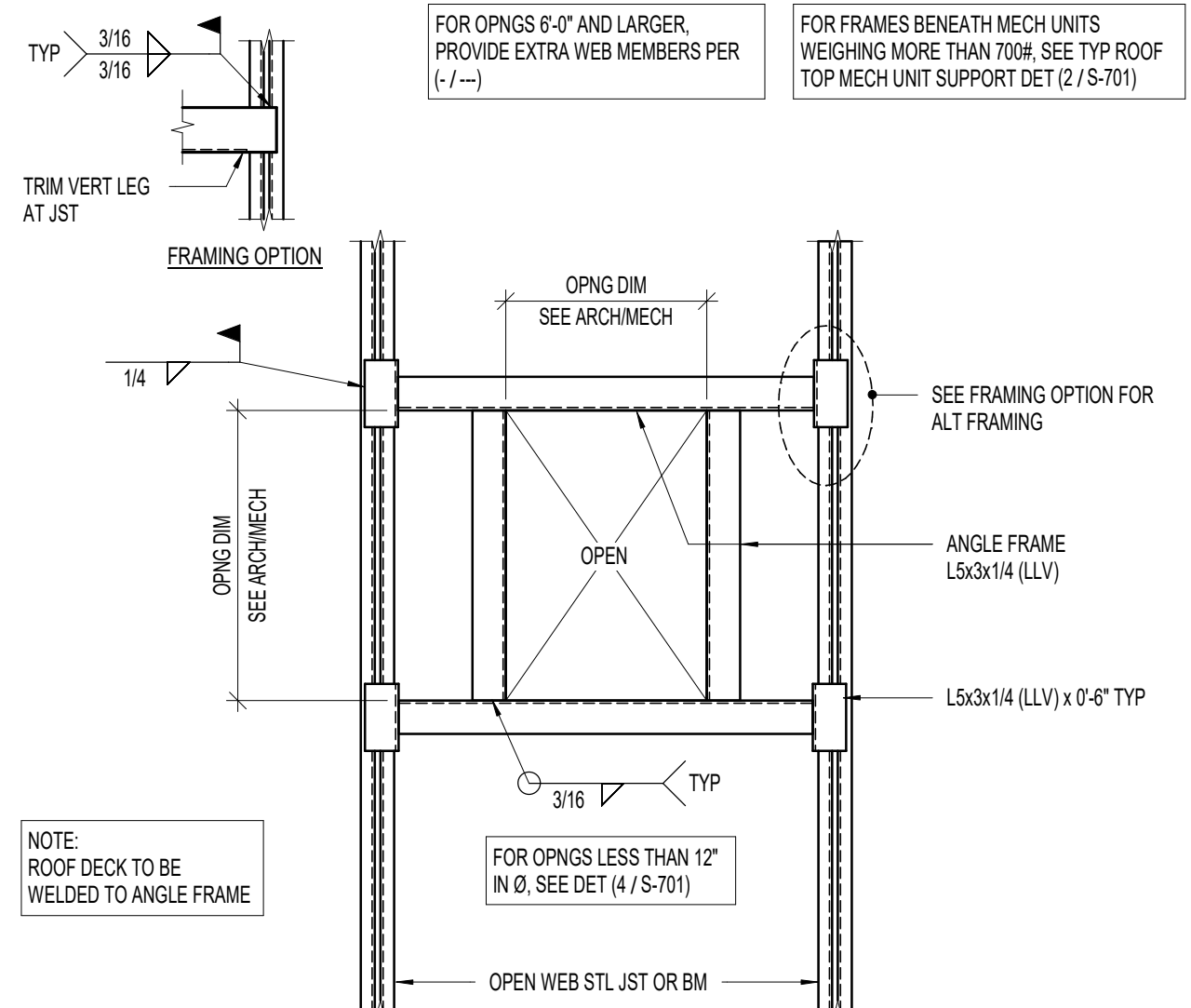
Drawn
JLM

Project No.
230103

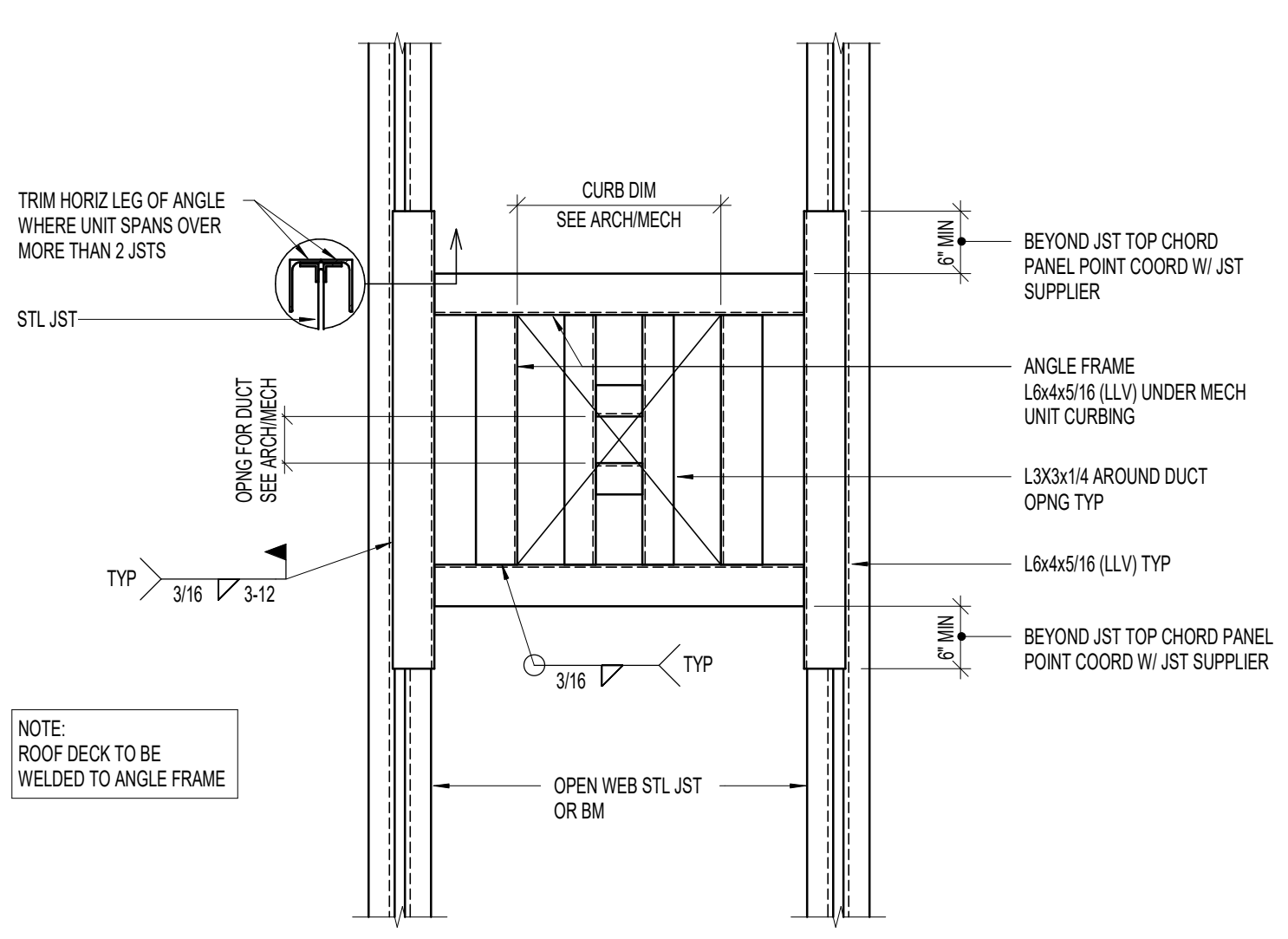
S-701

ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116

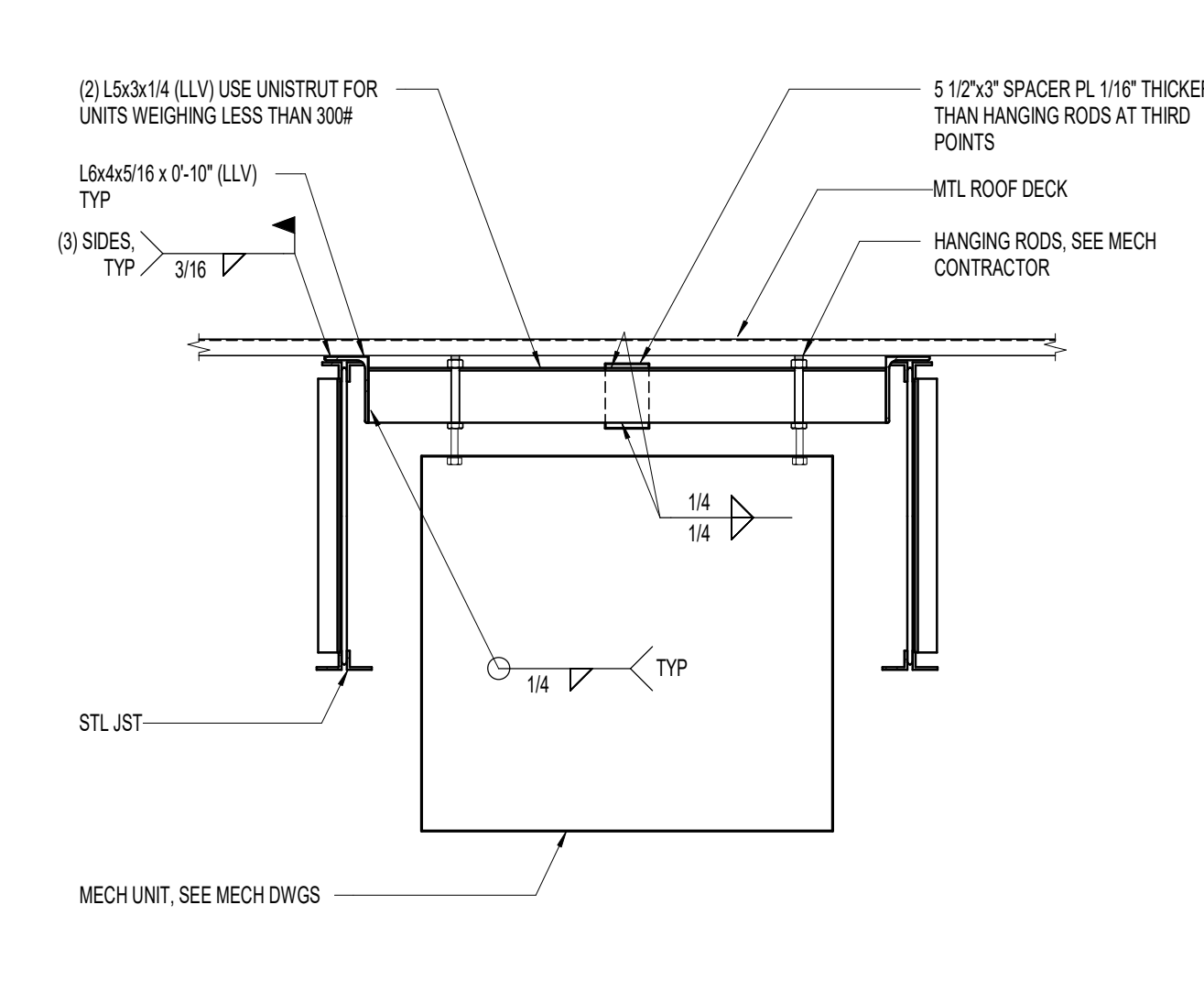
SOLID BLK THE FLUTES OF THE STL DECK BENEATH THE CURB OF THE MECH UNIT W/ HSS1 1/2x1 1/2x3/16x 0'-6", TACK WELDED TO THE STL DECK OR W/ SOLID BLK CONNECTED TO THE STL DECK



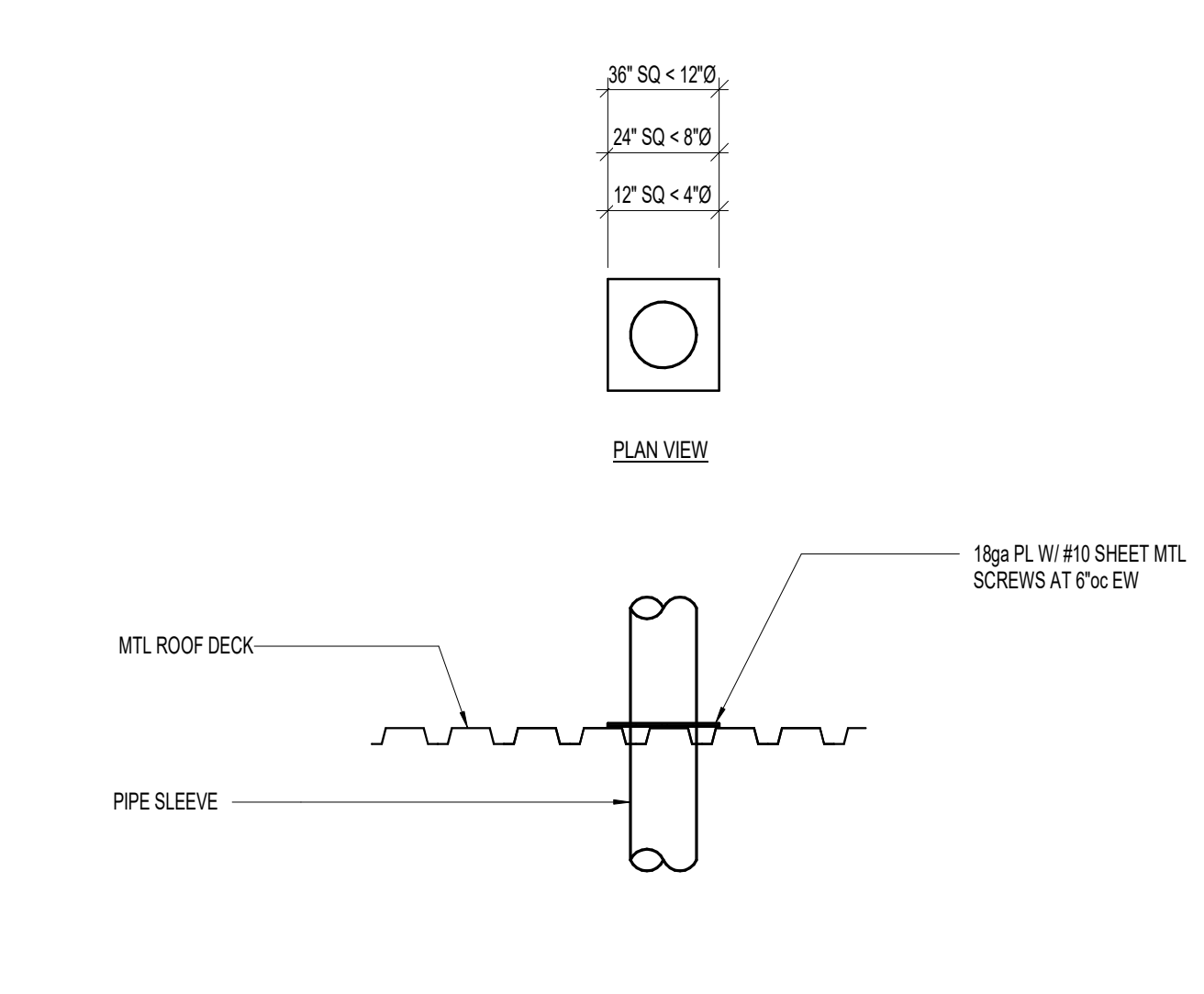
1 TYPICAL ROOF OPENING OR MECHANICAL UNIT WEIGHING LESS THAN 700#
S-701 NO SCALE: 1:20&41



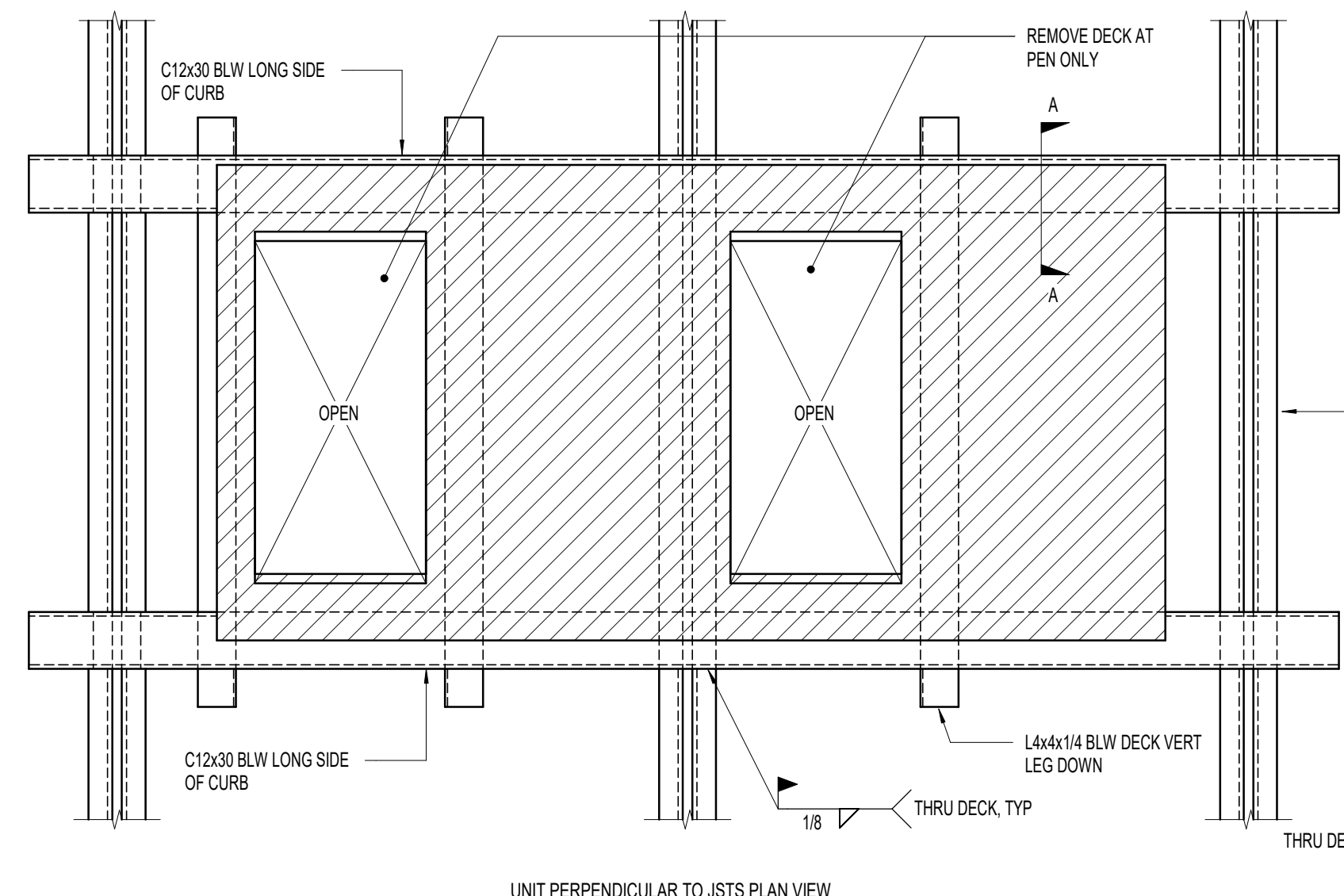
2 TYPICAL ROOF TOP MECHANICAL UNIT WEIGHING MORE THAN 700#
S-701 NO SCALE: 1:20&42



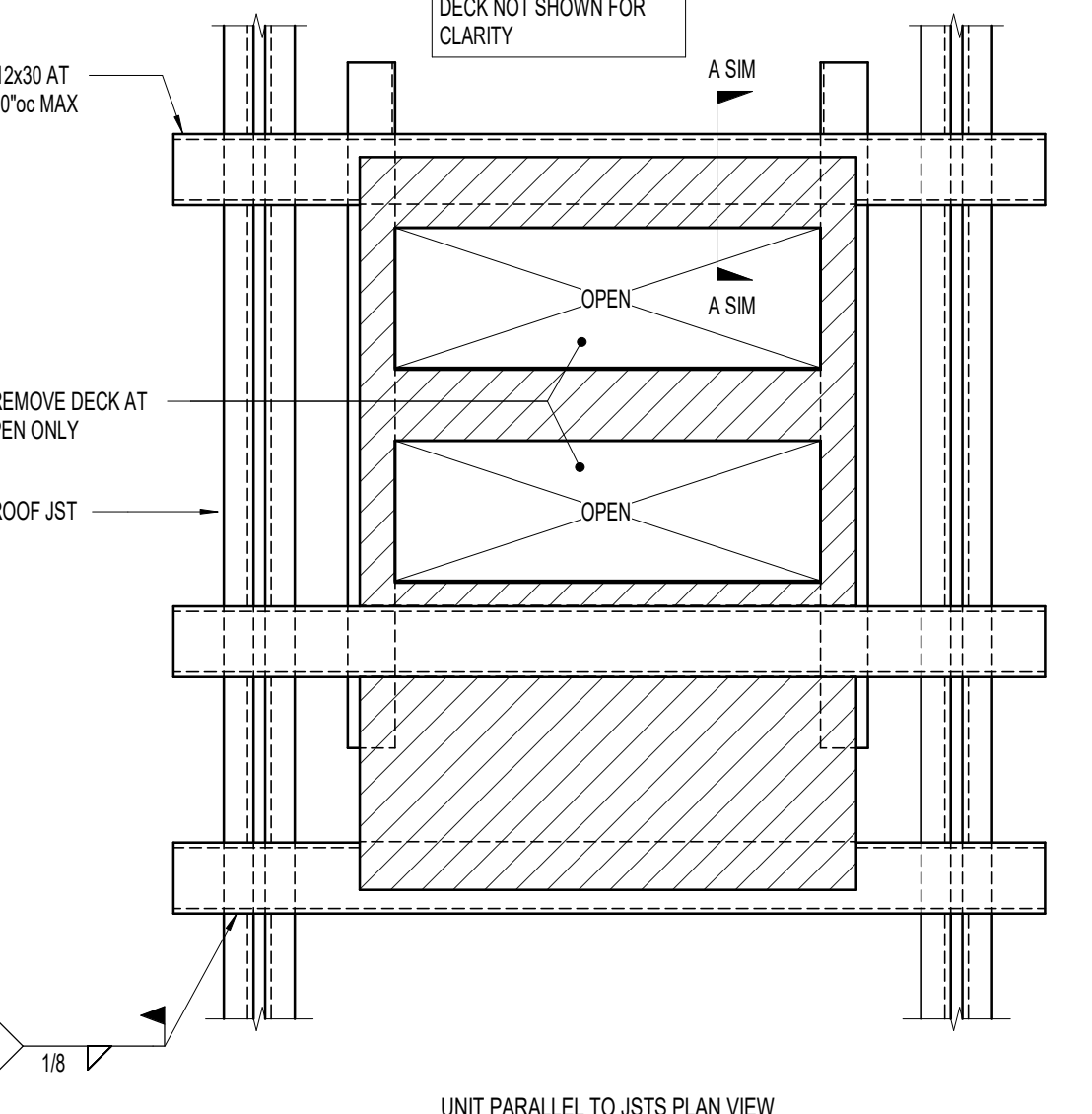
3 HANGING MECHANICAL UNIT
S-701 NO SCALE: 1:20&44



4 ROOF DECK
S-701 NO SCALE: 1:20&47

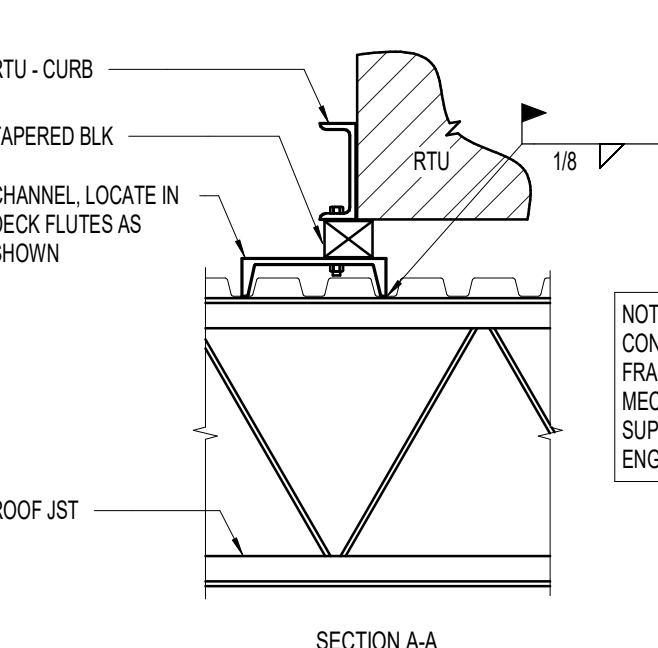


5 TYPICAL ROOF OPENING OR MECHANICAL UNITS (PLAN VIEW)
S-701 NO SCALE: 1:20&43

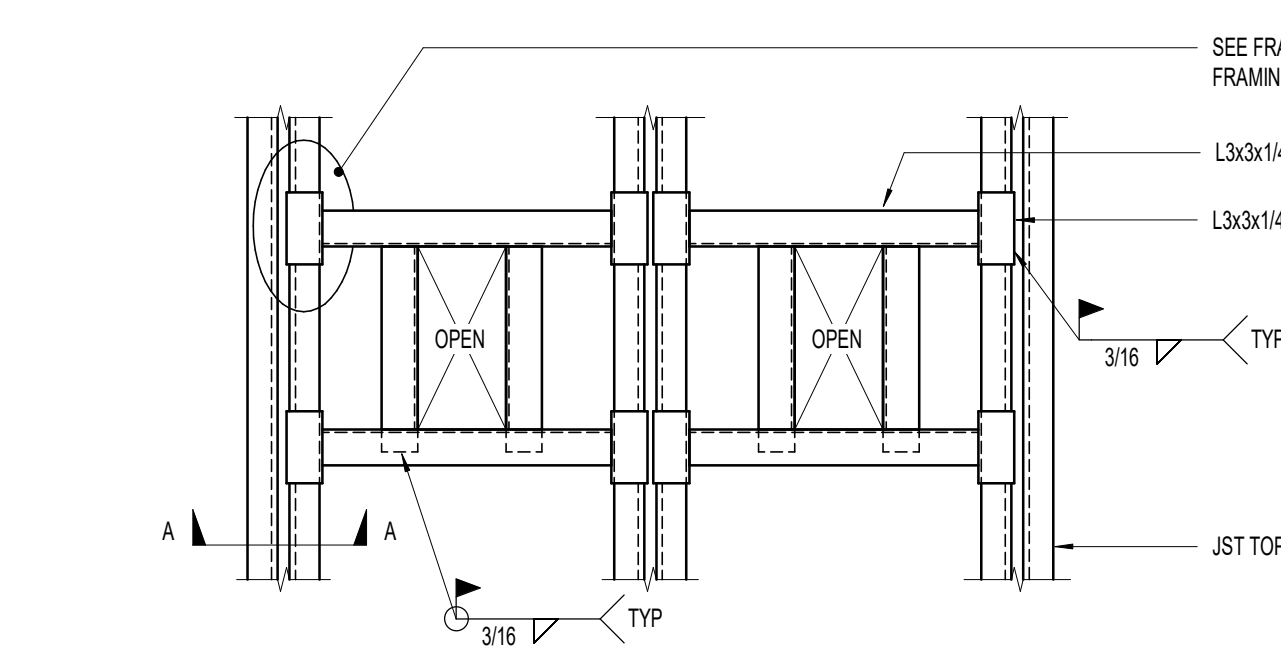
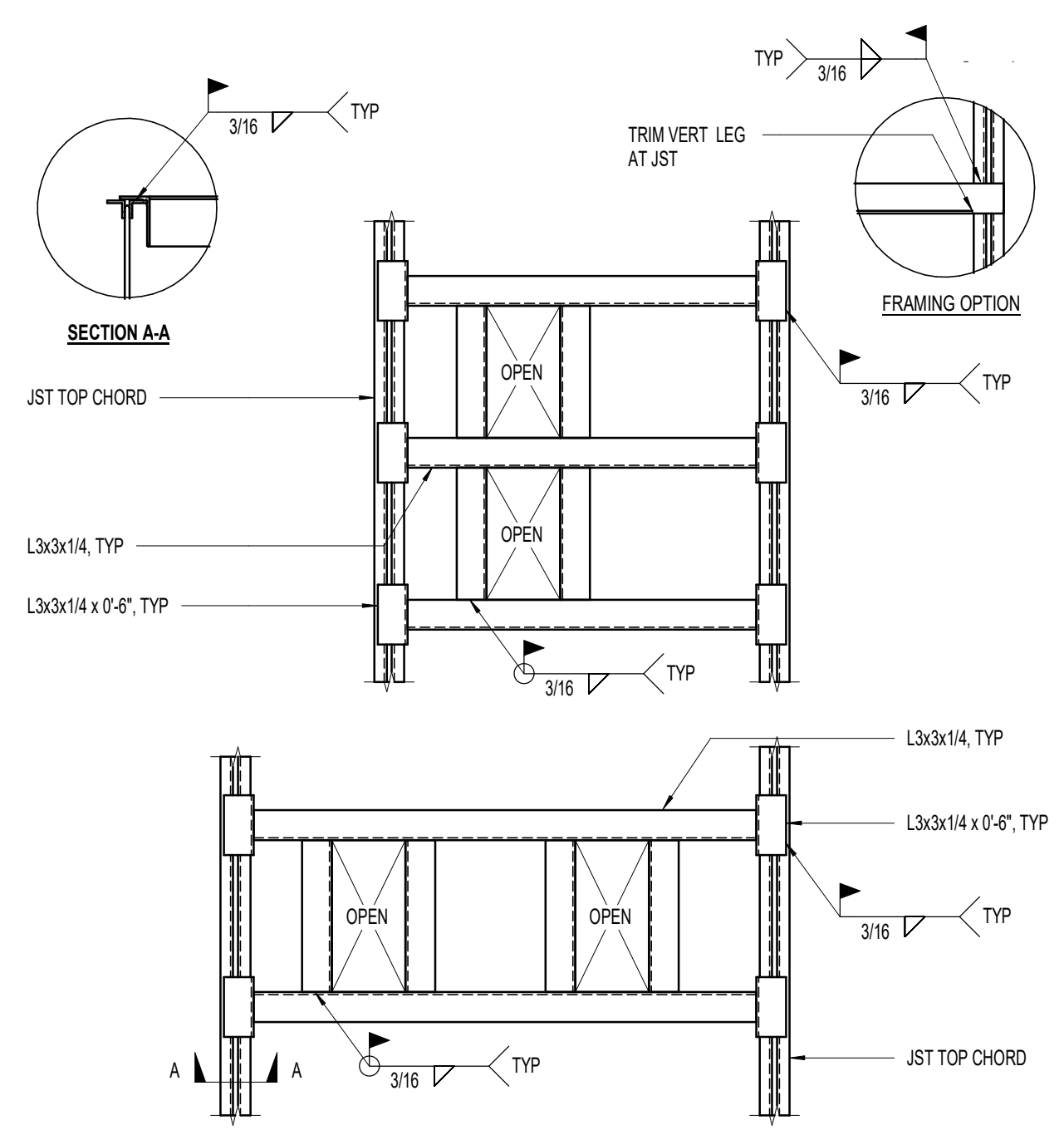


5 TYPICAL ROOF OPENING OR MECHANICAL UNITS (PLAN VIEW)
S-701 NO SCALE: 1:20&43

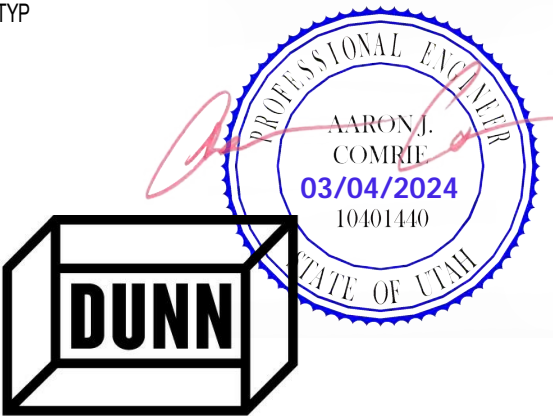
- MECHANICAL UNIT SUPPORT NOTES**
1. INSTALL CHANNEL FROM TOP SIDE ABOVE DECK. LOCATE IN DECK FLUTES ADJUSTING SPACING IN 6" INCREMENTS TO SUPPORT LONG SIDE OF CURB.
 2. POSITION CURB OVER CHANNELS AND LOCATE REQUIRED DUCT PENETRATIONS THRU ROOF. REFER TO MECHANICAL PLANS FOR EXACT SIZES AND LOCATIONS.
 3. POSITION ANGLES BELOW DECK AND WELD TO CHANNELS THRU DECK FROM TOP SIDE. OMIT CROSS ANGLES IF EDGES OF PENETRATION IS WITHIN 6" OF A JOST.
 4. CUT ROOF DECK ONLY AS REQUIRED FOR DUCT PENETRATIONS.



6 TYPICAL ROOF DRAIN SUPPORT (PLAN VIEW)
S-701 NO SCALE: 1:20&46



6 TYPICAL ROOF DRAIN SUPPORT (PLAN VIEW)
S-701 NO SCALE: 1:20&46



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Project Name
NORTH ADDITION

Sheet Title
ROOF FRAMING DETAILS

Scale
JLM

Date
2024.03.08

Project No.
230103

Sheet No.
S-702



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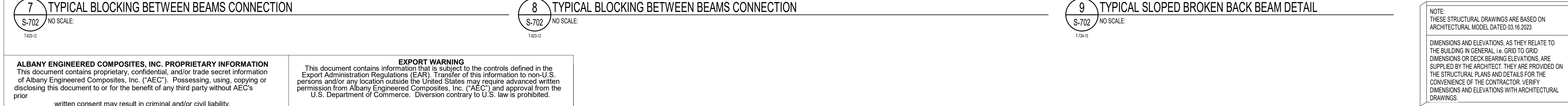
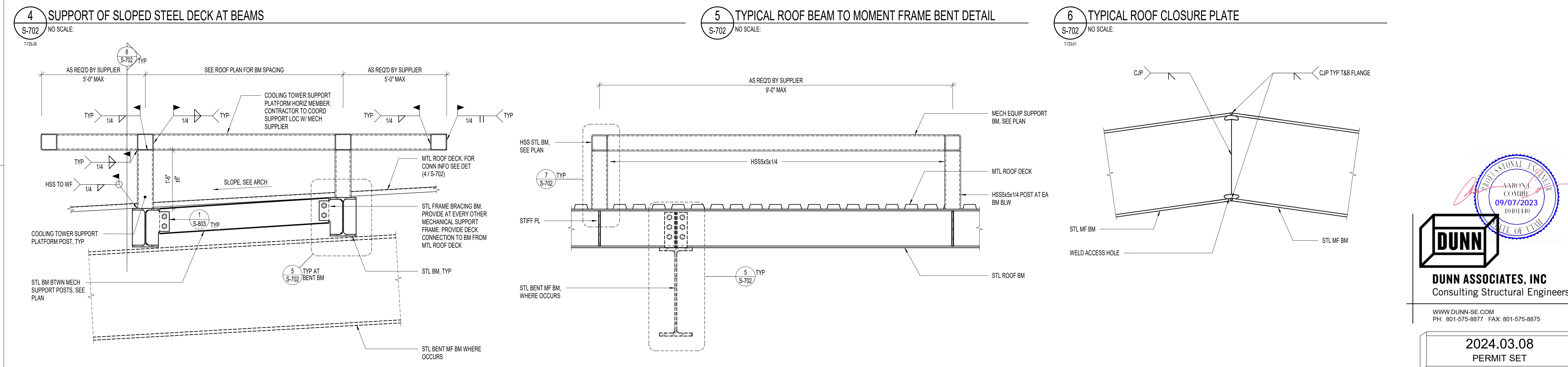
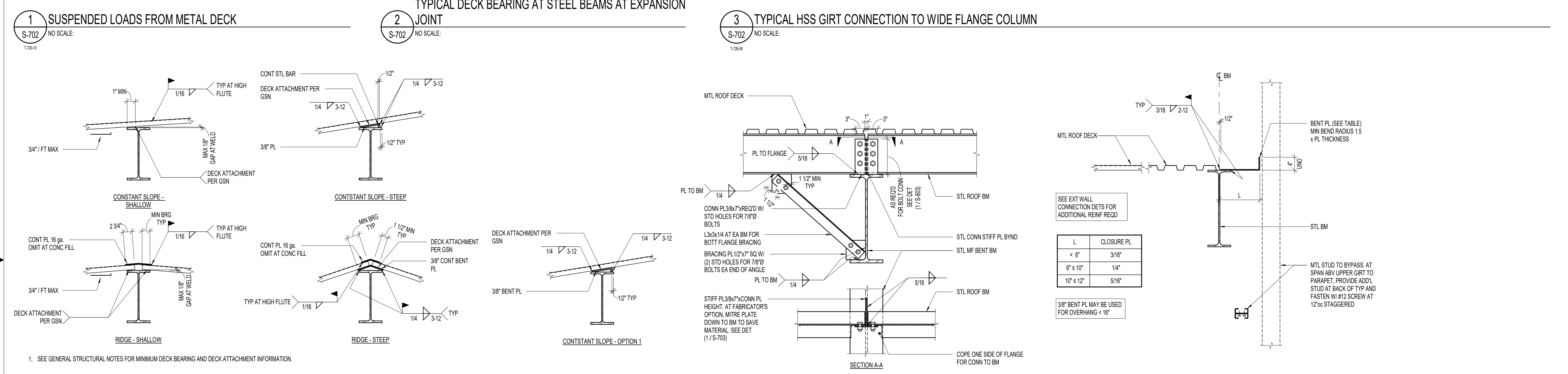
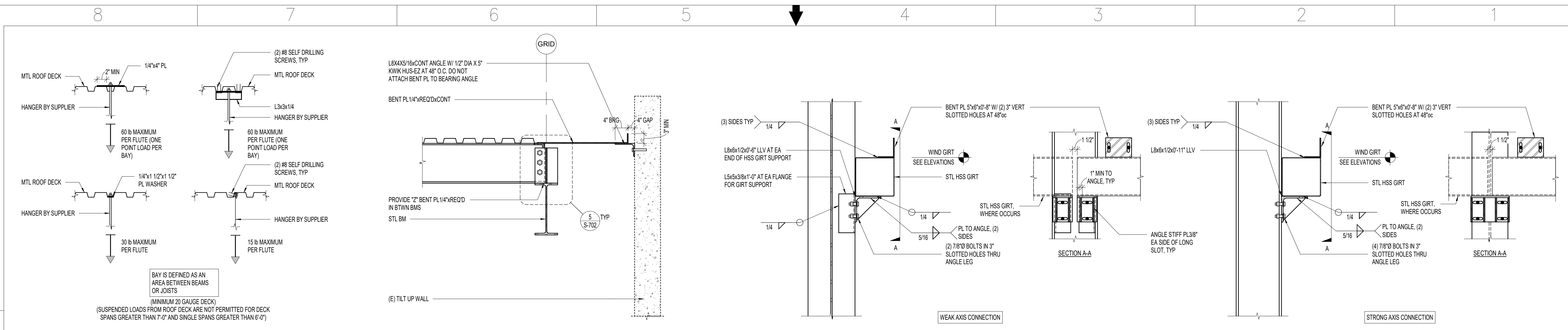
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Project Name
NORTH ADDITION

Sheet Title
ROOF FRAMING DETAILS

Scale
2024.03.08 PERMIT SET

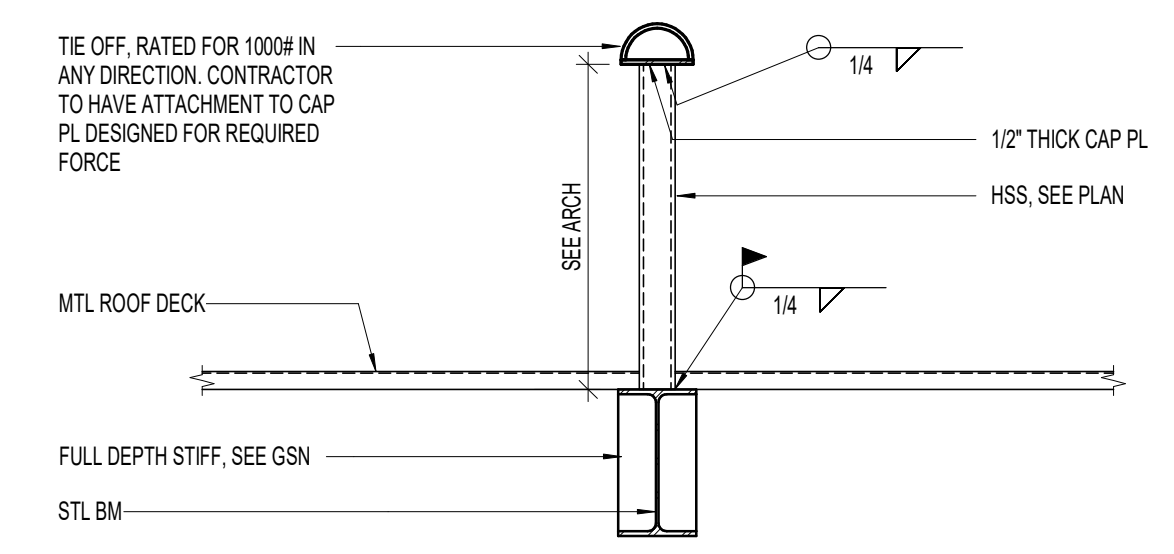
Date
2024.03.08

Drawn
JLM

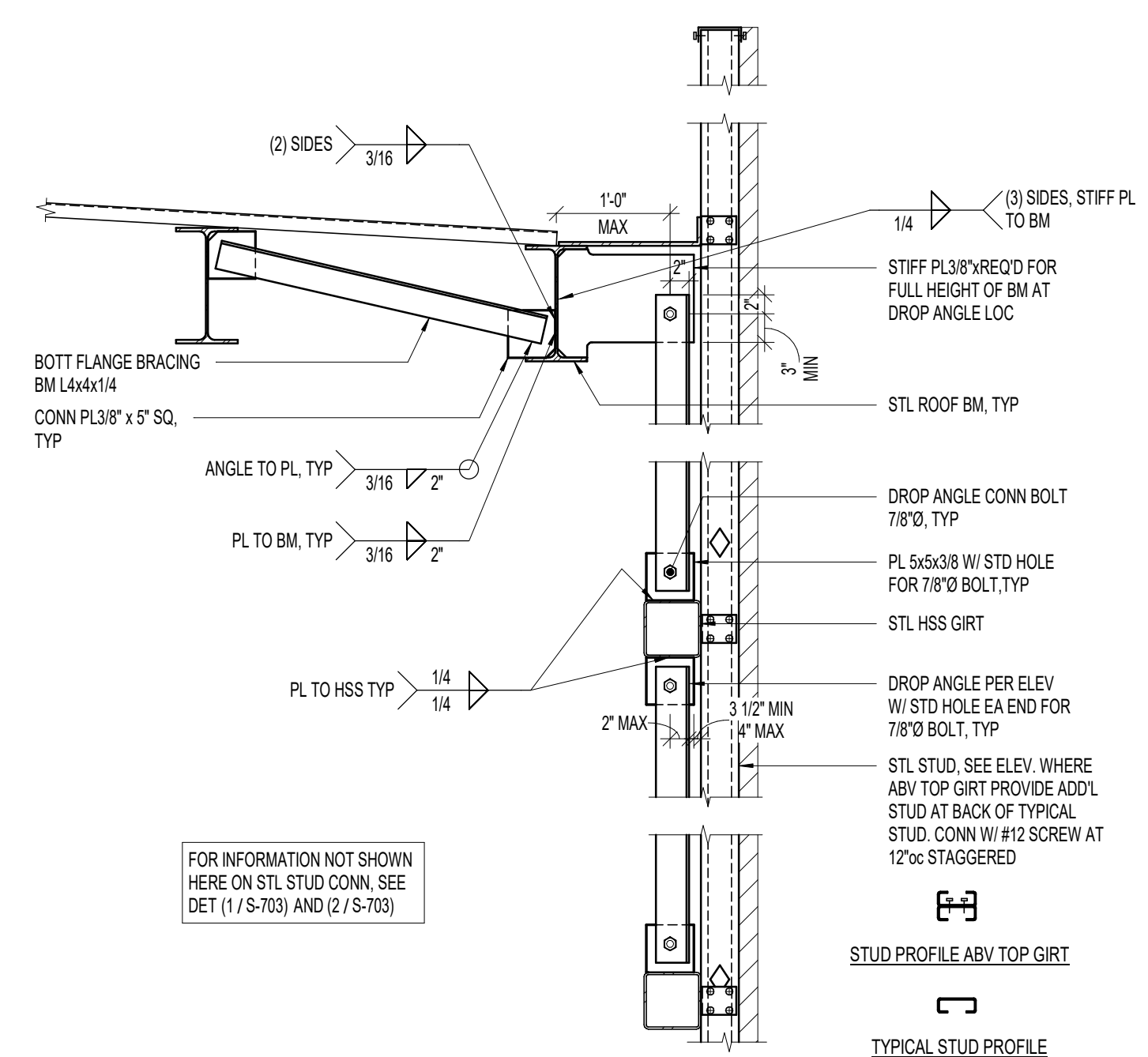
Project No.
230103

Sheet No.
S-703

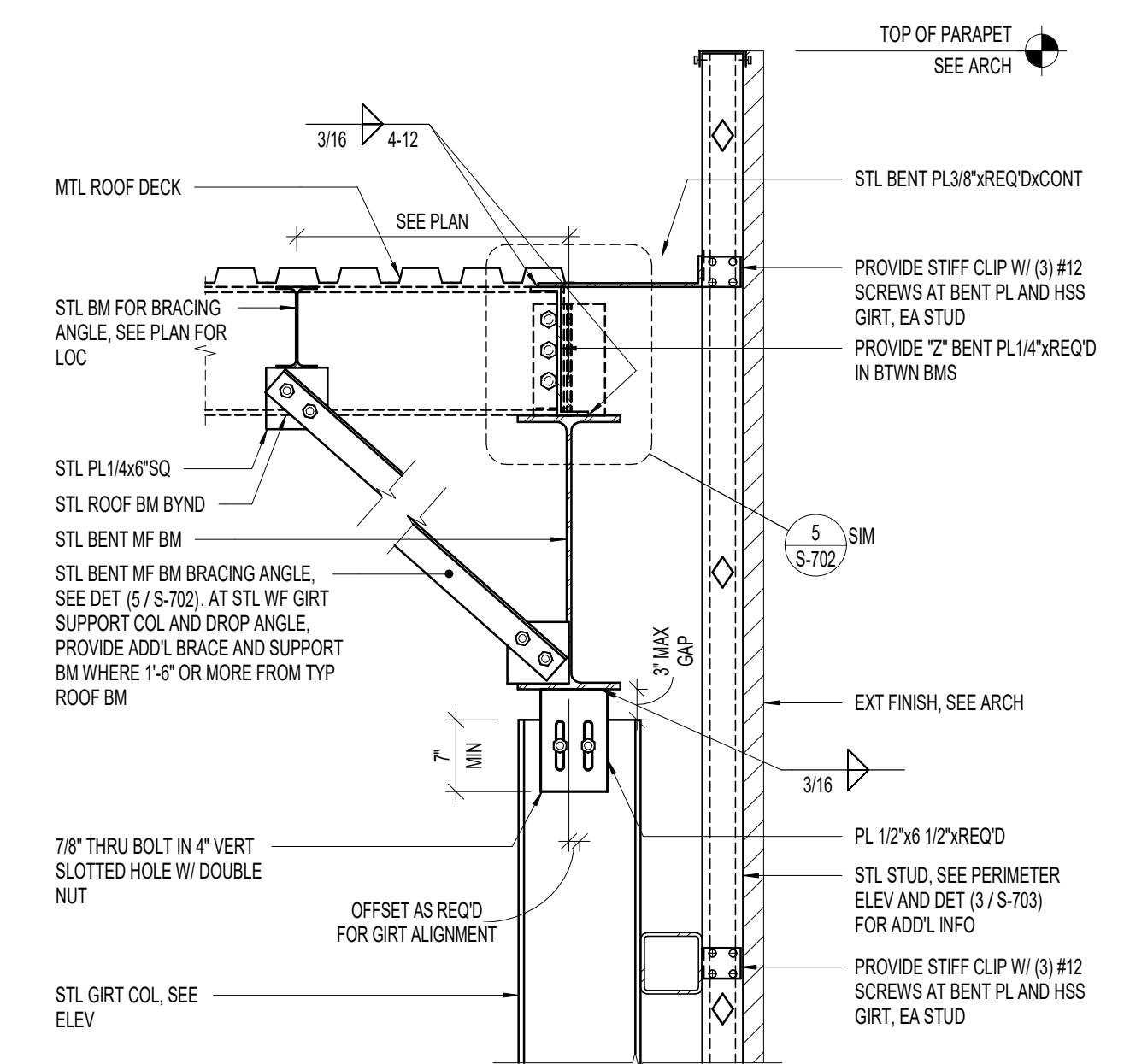
ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116



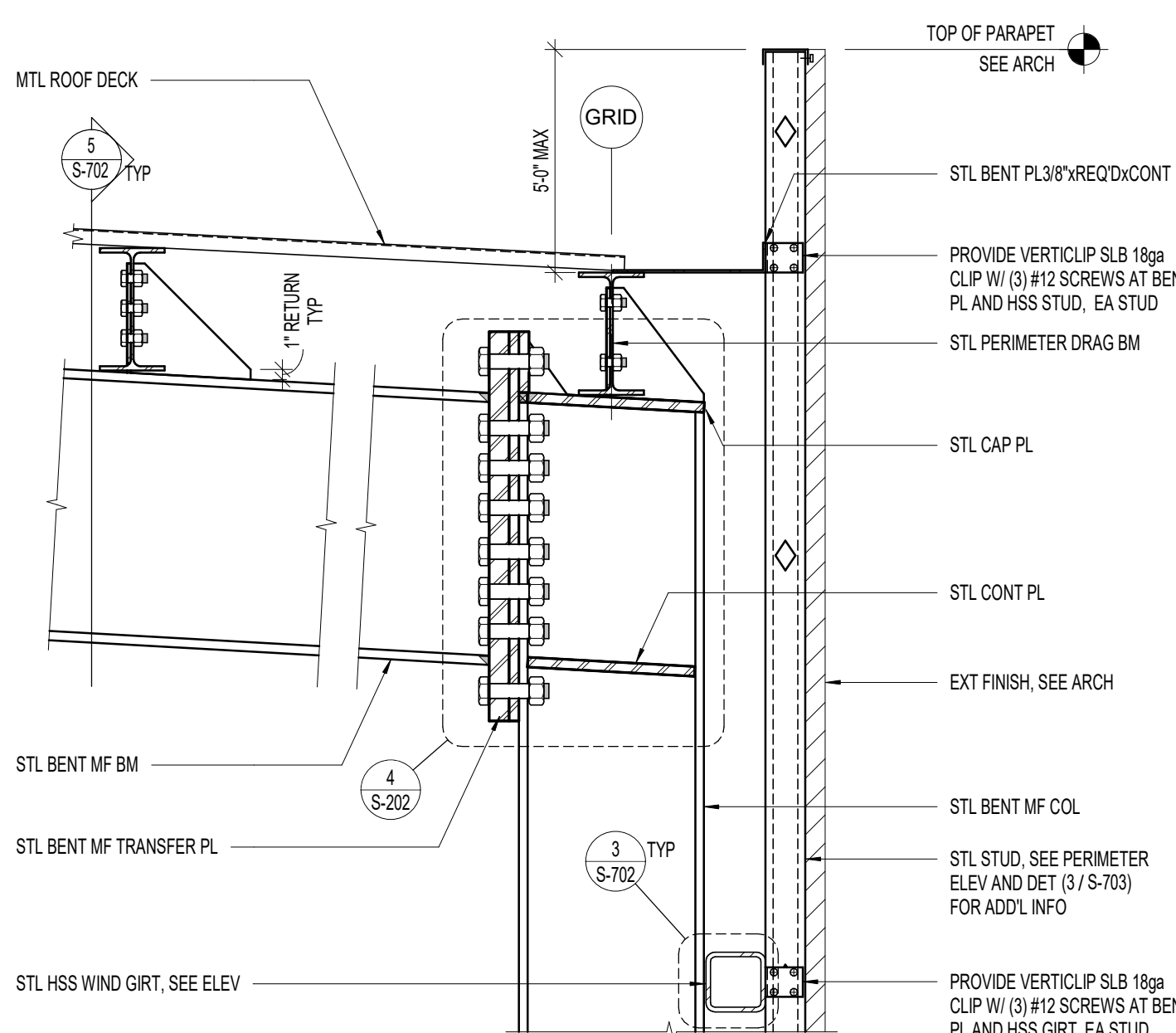
4 TYPICAL ROOF ANCHOR TIE-OFF AT STEEL BEAM (NON-PROPRIETARY)
S-703 NO SCALE.
1/22/24



3 TYPICAL WIND GIRT HANGER DETAIL
S-703 NO SCALE.
1/22/24



2 WIND GIRT COLUMN TO MOMENT FRAME BENT DETAIL
S-703 NO SCALE.



1 PERIMETER CLADDING TO MOMENT FRAME BENT DETAIL
S-703 NO SCALE.

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Issued/Revisions

No.	Description	Date

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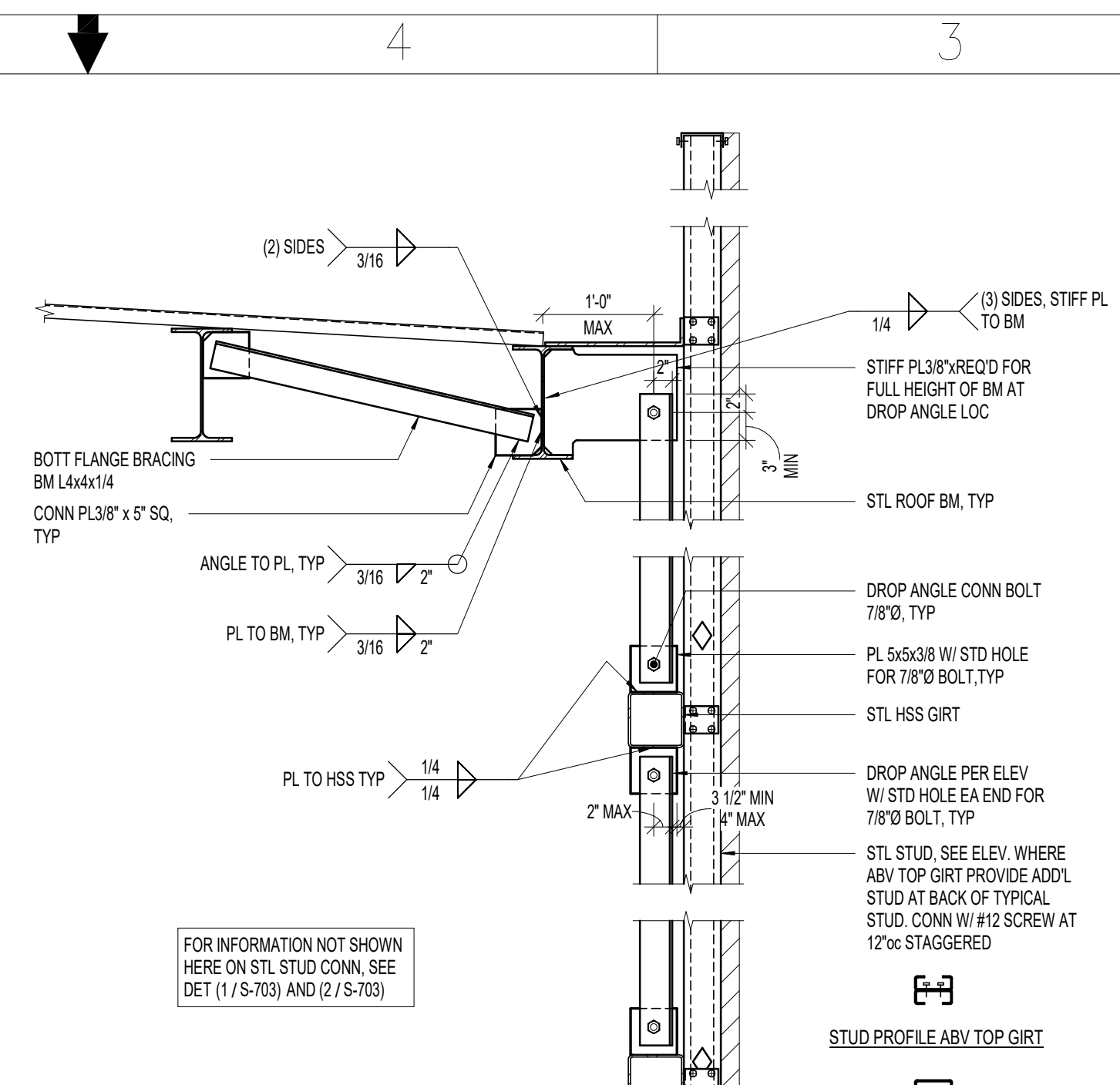
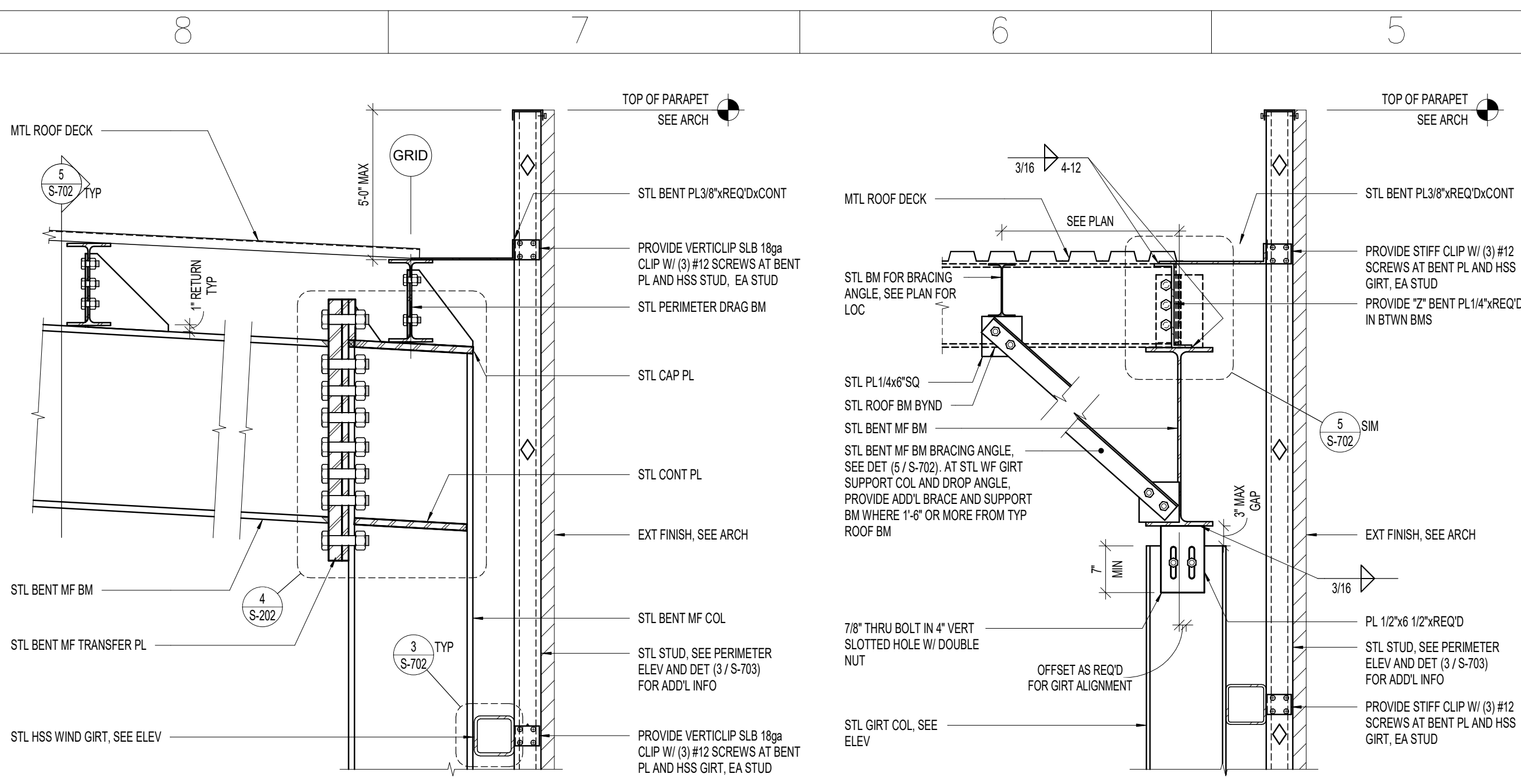
Project Name
NORTH ADDITION

Sheet Title
**ROOF FRAMING
DETAILS**

Scale
Date
2024.03.04

Drawn
Project No.
JLM 230103

Sheet No.
S-703



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No.	Description	Date

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Project Name
NORTH ADDITION

Sheet Title
SCHEDULES

Scale
Date
2024.03.04

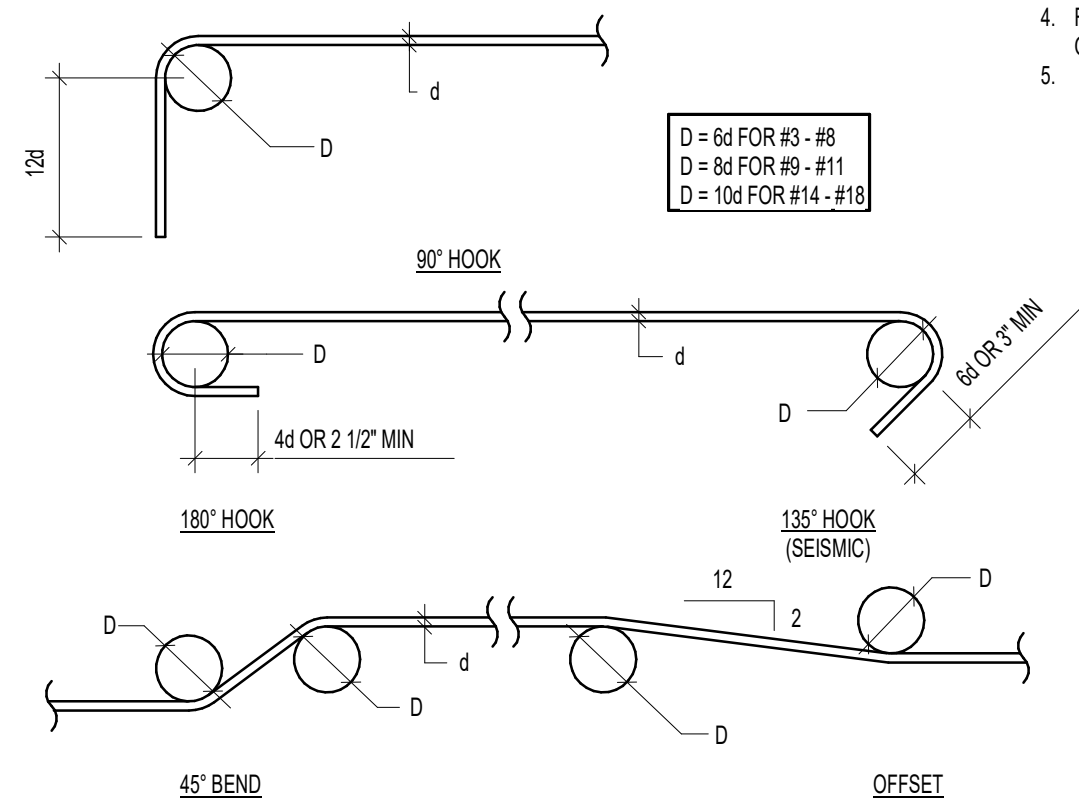
Drawn
Project No.
JLM 230103

Sheet No.
S-801

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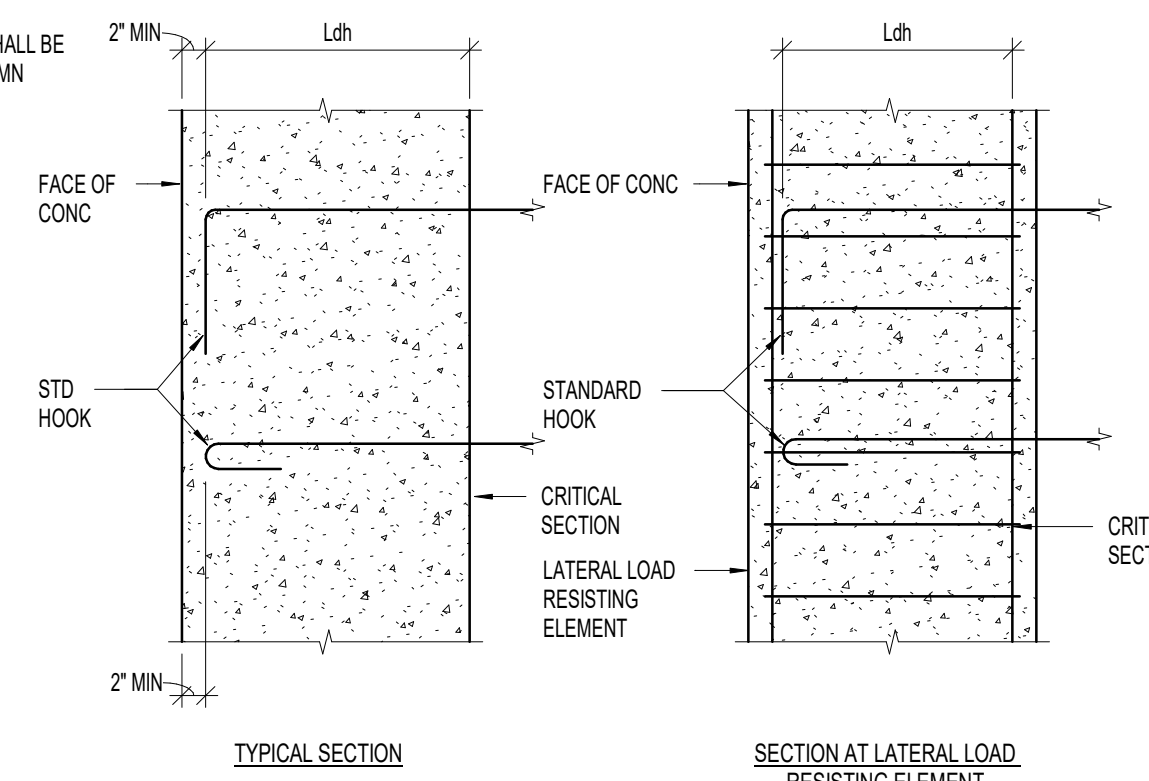
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	REGULAR		TOP		REGULAR		TOP		REGULAR		TOP		REGULAR		TOP		REGULAR		TOP		REGULAR		TOP	
	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	
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#4	22"	29"	29"	38"	21"	27"	27"	36"	19"	25"	25"	33"	18"	24"	24"	31"	17"	23"	23"	29"	16"	21"	21"	27"
#5	28"	36"	36"	47"	26"	34"	34"	44"	24"	31"	31"	41"	23"	30"	30"	38"	22"	28"	28"	36"	20"	26"	26"	33"
#6	33"	43"	43"	56"	31"	40"	40"	52"	29"	37"	37"	49"	27"	35"	35"	46"	26"	34"	34"	44"	24"	31"	31"	40"
#7	48"	63"	63"	81"	45"	59"	59"	75"	42"	54"	54"	71"	40"	51"	51"	67"	38"	49"	49"	63"	34"	45"	45"	58"
#8	55"	72"	72"	93"	51"	67"	67"	82"	48"	62"	62"	81"	45"	59"	59"	76"	43"	56"	56"	72"	39"	51"	51"	66"
#9	62"	81"	81"	105"	58"	75"	75"	98"	54"	70"	70"	91"	51"	66"	66"	86"	48"	63"	63"	81"	44"	57"	57"	74"
#10	70"	91"	91"	118"	65"	85"	85"	110"	61"	79"	79"	102"	57"	74"	74"	96"	54"	71"	71"	92"	50"	64"	64"	84"
#11	78"	101"	101"	131"	73"	94"	94"	122"	67"	87"	87"	114"	64"	82"	82"	107"	60"	78"	78"	102"	55"	71"	71"	93"

- NOTES:**
- THIS SCHEDULE SHALL BE USED FOR ALL SPLICES, UNLESS NOTED OTHERWISE.
 - HORIZONTAL BARS ARE CLASSIFIED AS TOP BARS WHERE 12" OR MORE OF FRESH CONCRETE IS CAST BELOW THE REINFORCING BARS.
 - CLASS 'B' SPLICES SHALL BE USED FOR ALL SPLICES UNLESS NOTED OTHERWISE.
 - TIES AND STIRRUPS SHALL NOT BE SPLICED.
 - FOR ALL LIGHTWEIGHT CONCRETE, LAP LENGTHS SHALL BE MULTIPLIED BY 1.3.
 - FOR ALL EPOXY COATED BARS, LAP LENGTHS SHALL BE MULTIPLIED BY 1.5 FOR BARS WITH CLEAR COVER LESS THAN 3 BAR DIAMETERS OR CLEAR SPACING LESS THAN 6 BAR DIAMETERS, OTHERWISE MULTIPLY BY 1.2.
 - LAP LENGTHS SHALL BE MULTIPLIED BY 1.25 AT SHEARWALL BOUNDARY ELEMENTS.
 - DEVELOPMENT LENGTH 'L_d' IS EQUAL TO CLASS 'A' SPLICE.
 - IF REINFORCING HAS CLEAR COVER LESS THAN ONE BAR DIAMETER, LAP LENGTHS SHALL BE MULTIPLIED BY 1.5.
 - IF REINFORCING IS NOT ENCLOSED IN TIES OR STIRRUPS AND IS SPACED TIGHTER THAN 2 BAR DIAMETERS ON CENTER, LAP LENGTHS SHALL BE MULTIPLIED BY 1.5.
 - LAP LENGTHS SHALL BE MULTIPLIED BY 1.25 FOR GRADE 75 REBAR.
 - WHERE BARS OF DIFFERENT SIZES ARE LAPPED, THE SPLICE LENGTH SHALL BE THE LARGER OF L_d OF THE LARGER BARS AND THE SPLICE LENGTH OF THE SMALLER BAR.



BAR SIZE	f _c = 3000 PSI	f _c = 4000 PSI	f _c = 4500 PSI	f _c = 5000 PSI	f _c = 6000 PSI
#3	9"	8"	7"	7"	6"
#4	11"	10"	9"	9"	8"
#5	14"	12"	12"	11"	10"
#6	17"	15"	14"	13"	12"
#7	20"	17"	16"	15"	14"
#8	22"	19"	18"	17"	16"
#9	25"	22"	21"	20"	18"
#10	28"	25"	23"	22"	20"
#11	31"	27"	26"	24"	22"

- NOTES:**
- FOR GRADE 75 REBAR, MULTIPLY LENGTHS BY 1.25.
 - FOR LIGHTWEIGHT CONCRETE, MULTIPLY LENGTHS BY 1.3.
 - FOR EPOXY COATED REINFORCEMENT, MULTIPLY LENGTHS BY 1.2.
 - FOR HOOKS WITH 2.5" MINIMUM SIDE COVER PERPENDICULAR TO PLANE OF HOOK, MULTIPLY LENGTHS BY 0.7.
 - FOR LATERAL LOAD RESISTING ELEMENTS, CRITICAL SECTIONS SHALL BE TAKEN AS THE FACE OF THE HOOK AT CONFINED CORES OF COLUMN JOINTS OR SHEAR WALL BOUNDARY ZONE.



1 CONCRETE REINFORCING BAR LAP SCHEDULES AND DIAGRAMS

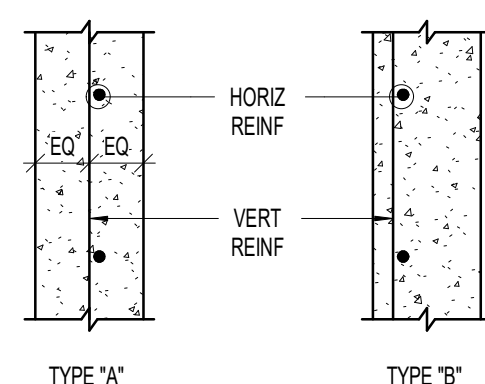
S-801 NO SCALE

MARK	THICKNESS	REINFORCING			WALL TYPE	COMMENTS
		VERTICAL	HORIZONTAL	TOP AND BOTTOM		
CW-08	8"	#4 AT 18"oc	#4 AT 12"oc	(1) #5	A	—

- CONCRETE WALL NOTES:**
- SEE GENERAL STRUCTURAL NOTES FOR COVER AND OTHER REQUIREMENTS NOT NOTED IN SCHEDULE.
 - CONCRETE WALLS NOT DESIGNATED ON THE PLANS SHALL BE REINFORCED AS FOLLOWS:
- | THICKNESS | VERTICAL REINFORCING | HORIZONTAL REINFORCING |
|-----------|--------------------------|--------------------------|
| 8" | #4 BARS AT 18"oc | #4 BARS AT 18"oc |
| 8" | #4 BARS AT 18"oc | #4 BARS AT 12"oc |
| 10" | #4 BARS AT 18"oc | #5 BARS AT 15"oc |
| 12" | #4 BARS AT 18"oc EA FACE | #4 BARS AT 16"oc EA FACE |

- PLACE STEEL IN THE CENTER OF THE WALL (EXCEPT TYPE 'B' AND RETAINING WALLS). WALLS THICKER THAN 10" SHALL HAVE TWO CURTAINS OF REINFORCEMENT (PLACED NEAR EA FACE OF THE WALL), UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.

WALL REINFORCEMENT PLACEMENT TYPES:



3 CONCRETE WALL SCHEDULE

S-801 NO SCALE

DUNN ASSOCIATES, INC
Consulting Structural Engineers

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PH: 801-575-8877 FAX: 801-575-8875

2024.03.04
PERMIT SET

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No.	Description	Date

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Project Name
NORTH ADDITION

Sheet Title
SCHEDULES

Scale
Date
2024.03.04

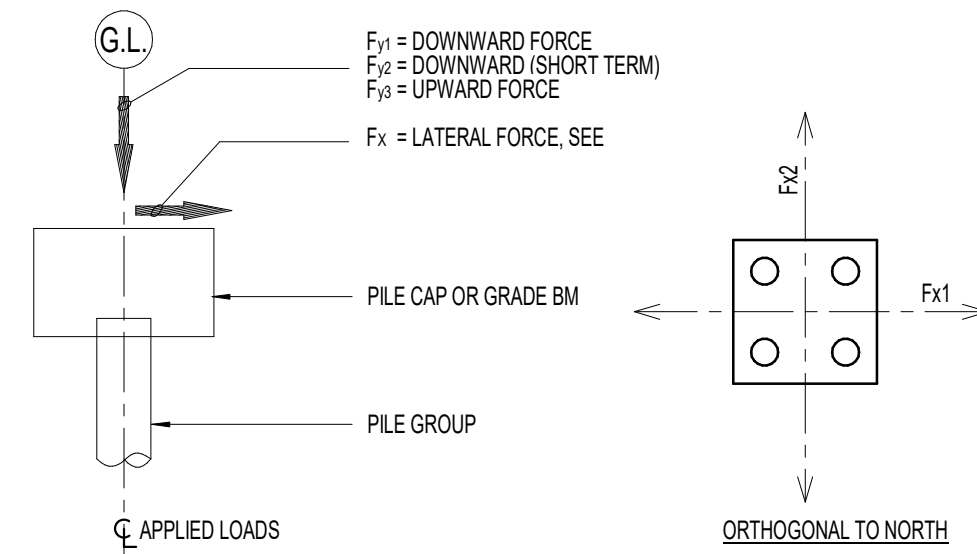
Drawn
Project No.
JLM 230103

Sheet No.
S-802

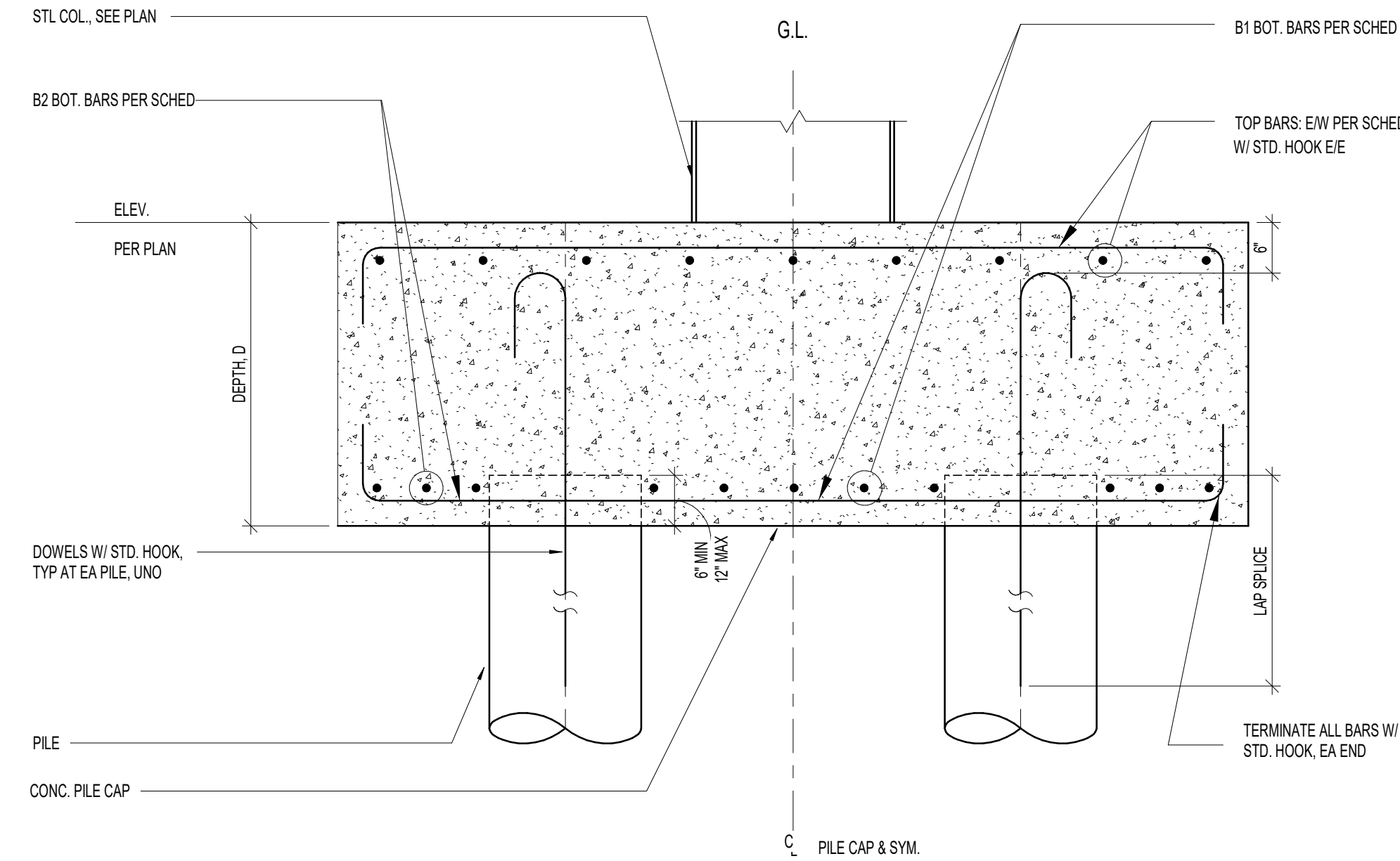
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LOCATION / MARK	ASD (kip)			STRENGTH (kip)			LATERAL (kip)	
	Fy1	Fy2	Fy3	Fy1	Fy2	Fy3	Fx (ASD)	Fx (SD)
PC-5.0	57	60	-	89	84	-	18	23
PC-7.0	103	113	-	156	152	-	30	39

- NOTES:**
- PILES SHALL BE GROUTED MICRO-PILES. THE PILES SHALL BE DESIGNED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) BY AN ENGINEER LICENSED IN THE STATE OF UTAH AND RETAINED BY THE CONTRACTOR.
 - THE CONTRACTOR SHALL SUBMIT PILE SHOP DRAWINGS AND STRUCTURAL CALCULATIONS STAMPED AND SIGNED BY THE CONTRACTOR'S ENGINEER. SHOP DRAWINGS WILL BE REVIEWED BY THE ARCHITECT, STRUCTURAL ENGINEER, AND GEOTECHNICAL ENGINEER AND ARE SUBJECT TO THE APPROVAL OF THE BUILDING DEPARTMENT.
 - PILES SHALL BE DESIGNED TO PROVIDE ADEQUATE RESISTANCE TO THE APPLIED ALLOWABLE STRESS DESIGN (ASD) LOADS LISTED IN THE TABLE FOR EACH PILE GROUP. REFERENCE PROJECT GEOTECHNICAL REPORT.
 - PILES SHALL BE DESIGNED TO PROVIDE STRENGTH ADEQUATE TO RESIST THE INTERNAL FORCES GENERATED BY THE APPLIED STRENGTH DESIGN LOADS LISTED IN THE TABLE FOR EACH PILE GROUP. THESE FORCES SHALL BE CONSIDERED IN COMBINATION WITH THE LATERAL LOADS (SEE NOTE #6). SEE DETAIL (B3/S-802) FOR THE DIRECTION OF THE APPLIED LOAD.
 - PILES SHALL BE DESIGNED TO PROVIDE ADEQUATE RESISTANCE AND STRENGTH TO RESIST APPLIED LATERAL LOAD LISTED IN THE TABLE FOR EACH PILE GROUP. THE APPLIED LATERAL LOAD IS REPORTED AT THE ALLOWABLE STRESS DESIGN (ASD) FORCE LEVEL. SEE DETAIL (B3/S-802) FOR THE DIRECTION OF THE APPLIED LOAD.
 - PILES SHALL BE DESIGNED AS PINNED HEAD OR FIXED HEAD AS REQUIRED TO MEET DEFLECTION LIMIT. LATERAL DEFLECTION SHALL BE LIMITED TO 1" UNDER ALLOWABLE STRESS DESIGN LEVEL LOADS.
 - THE NUMBER OF PILES SHOWN IN EACH GROUP ON PLAN CAN BE ADJUSTED BY THE CONTRACTOR PROVIDED THAT THE ADEQUACY OF THE MODIFIED DESIGN IS DEMONSTRATED. THE MODIFIED DESIGN SHALL USE ONE OF THE STANDARD CONFIGURATIONS SHOWN AND SHALL MAINTAIN A MINIMUM PILE SPACING OF 3 PILE DIAMETERS.
 - PILE INSTALLATION SHALL BE PERFORMED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER.
 - PILE DESIGNER TO COORD PILE HEAD DETAILING WITH ANCHOR BOLT SETTING TO AVOID CONFLICTS. PILE EMBEDMENT MAY INCREASE AS REQ'D AT THICKENED REGION AT MOMENT FRAME COLUMN (MFC) PILE CAPS AS REQUIRED.

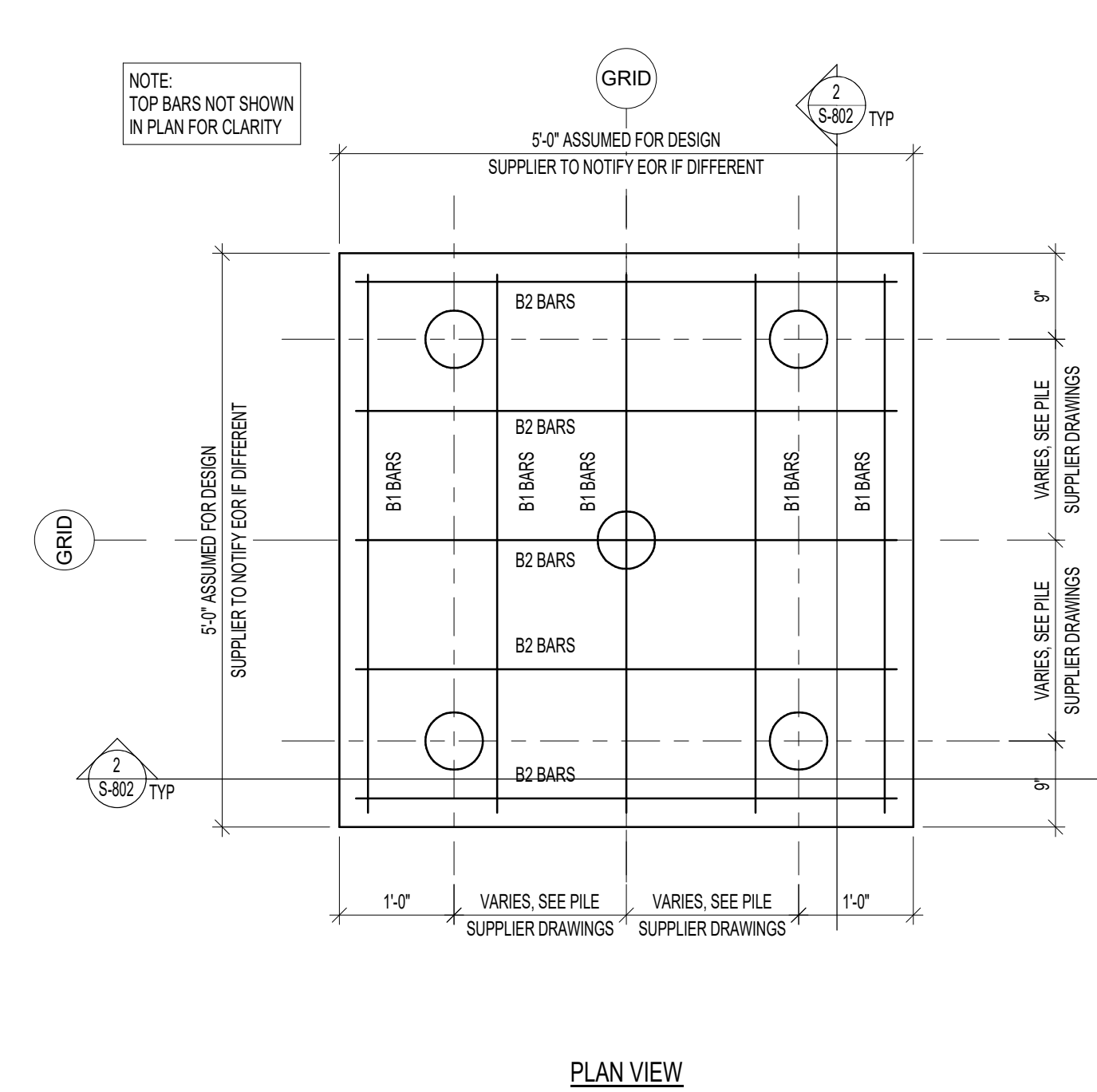


PILE CAP FOR 6" MICROPILES (ASSUMED)							
MARK	LENGTH (L)	WIDTH (B)	DEPTH (D)	BOT. BARS (B1)	BOT. BARS (B2)	TOP BARS	DETAIL
PC-5.0	DET	DET	2'-6"	(5) #8	(5) #8	(5) #8 EW	(3 / S-802)
PC-7.0	DET	DET	3'-0"	(8) #8	(8) #8	(8) #8 EW	(4 / S-802)

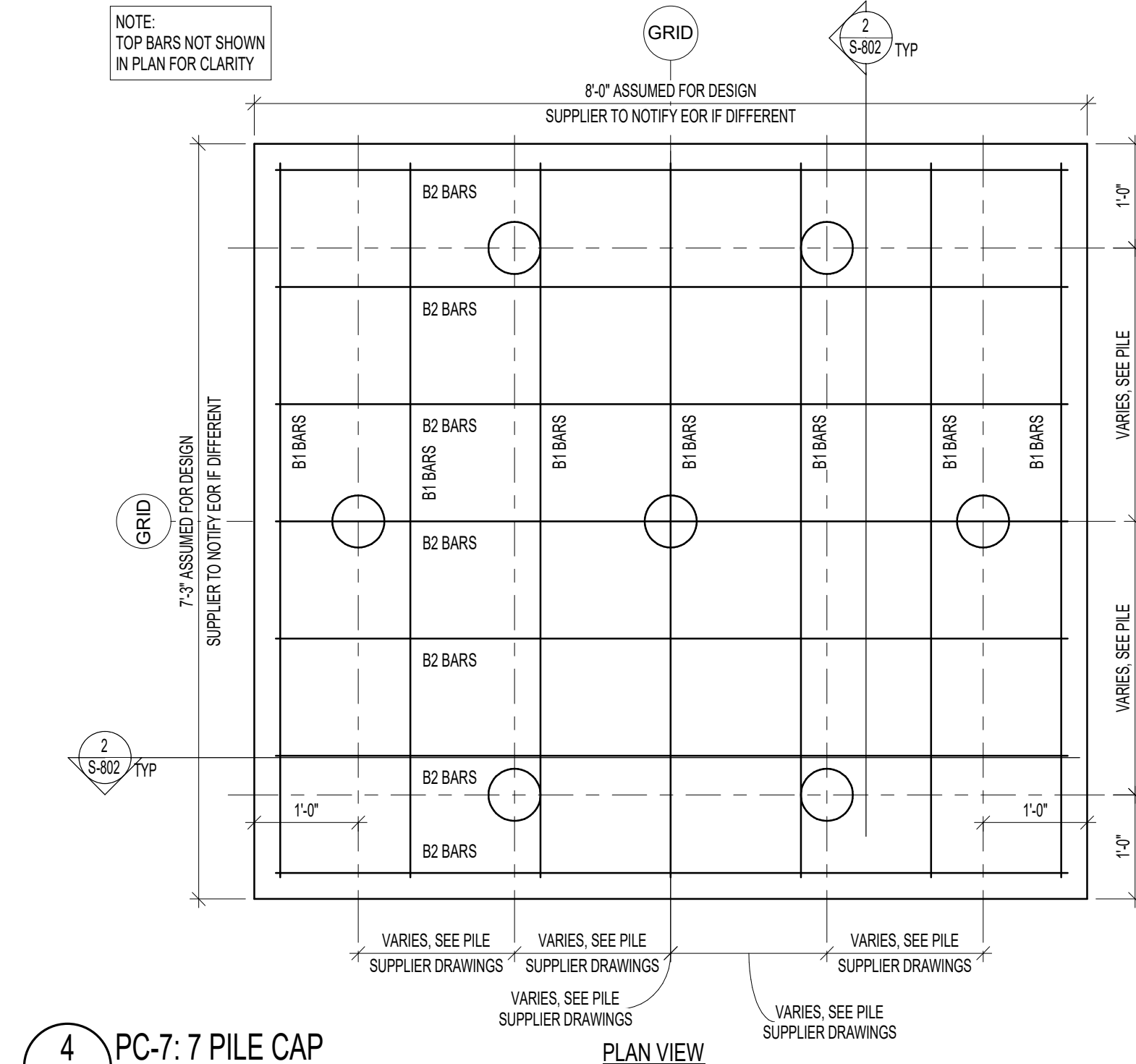


1 PILE GROUP LOAD SCHEDULE
S-802 NO SCALE.

2 PILE CAP SCHEDULE
S-802 NO SCALE.



3 PC-5: 5 PILE CAP
S-802 NO SCALE.



4 PC-7: 7 PILE CAP
S-802 NO SCALE.

No.	Description	Date

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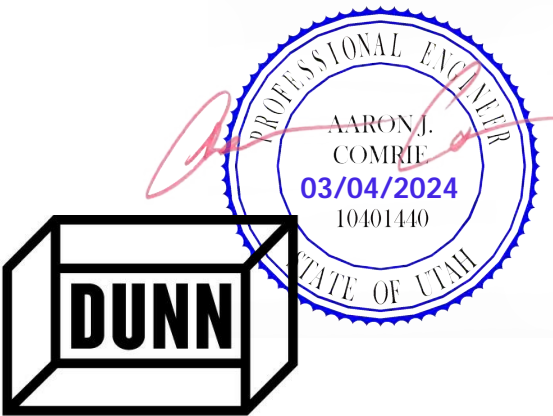
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Project Name
NORTH ADDITION

Sheet Title
SCHEDULES

Scale	Date
Drawn	2024.03.04
JLM	Project No.
	230103

S-803



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Consulting Structural Engineers

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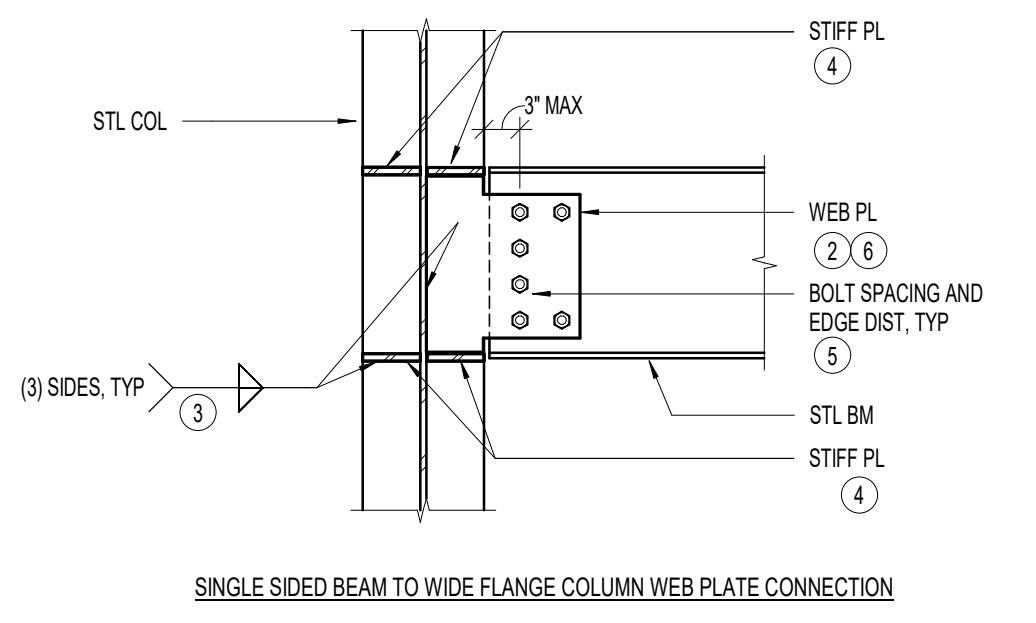
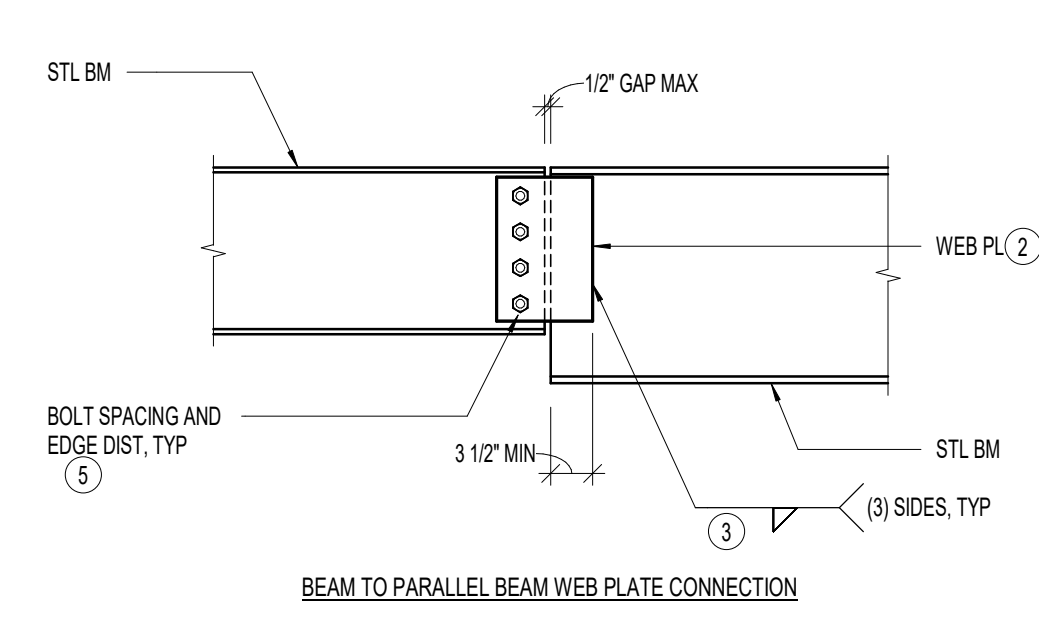
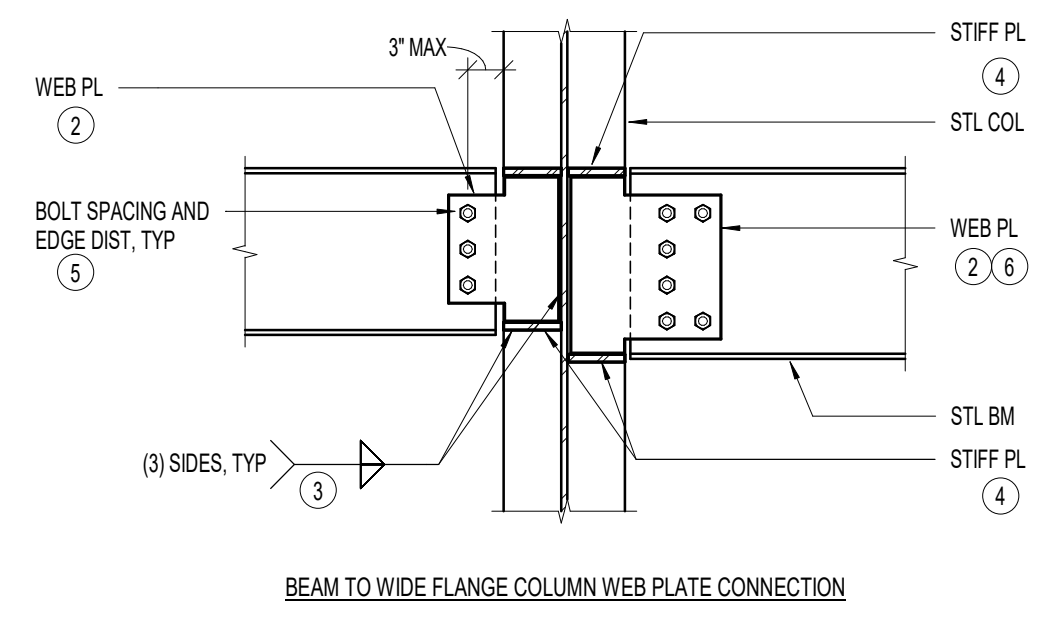
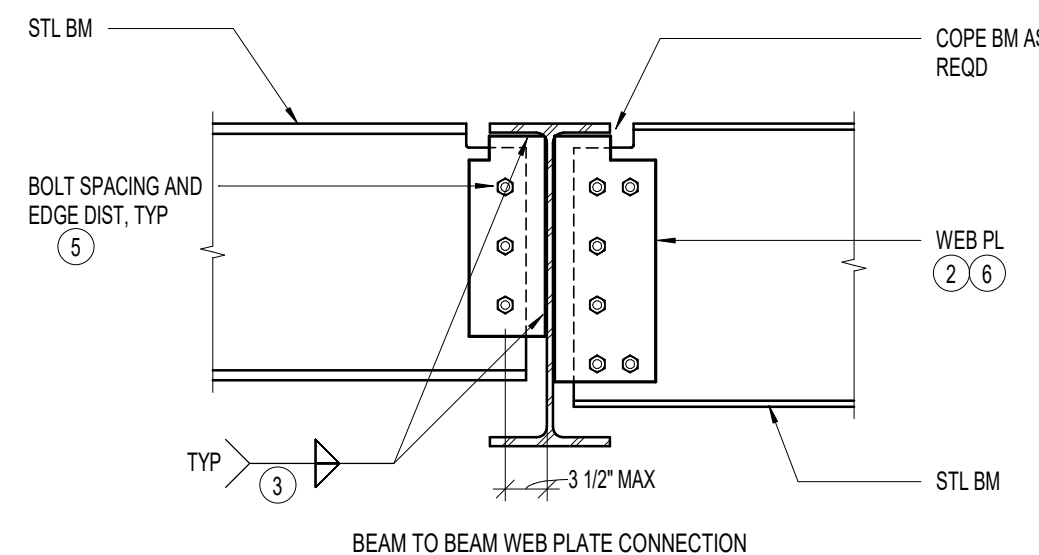
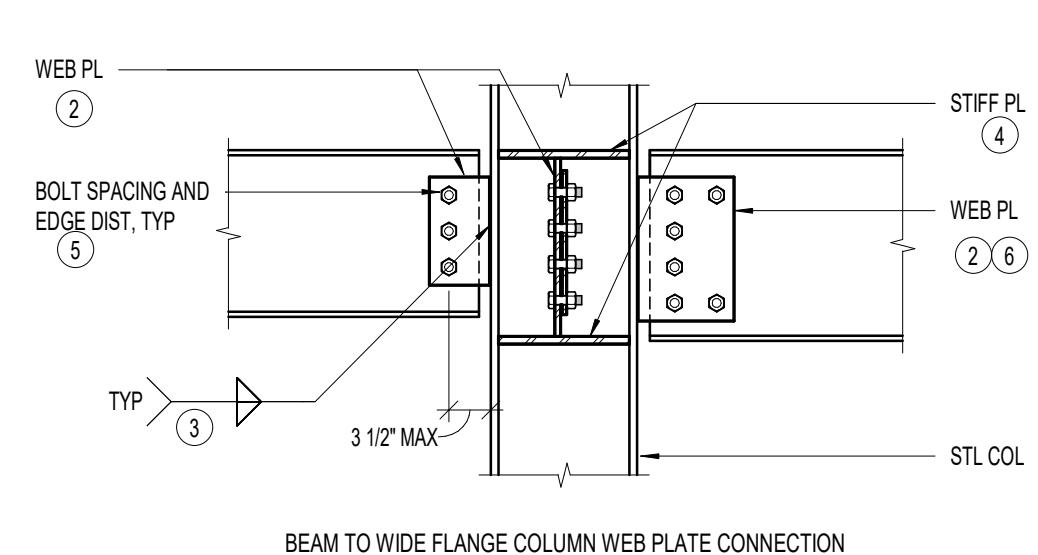
2024.03.04
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A-325 BOLT SCHEDULE		
MAXIMUM BEAM SIZE IN EACH BEAM DEPTH GROUP	A-325N BOLTS	
	No. PER BEAM	SIZE
W8	2	7/8"Ø
W10	2	7/8"Ø
W12	3	7/8"Ø
W14	3	7/8"Ø
W16	4	7/8"Ø
W18	5	7/8"Ø
W21	6	7/8"Ø
W24	6	7/8"Ø
W27	7	7/8"Ø
W30	8	7/8"Ø

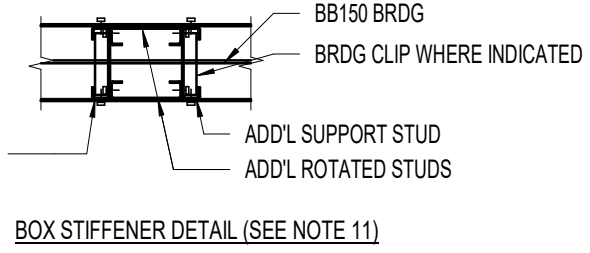
- CLIP ANGLES: L5x3 1/2. THICKNESS SHALL BE EQUAL TO ONE HALF THE BEAM WEB THICKNESS PLUS 1/16" (1/4" MIN); FOR TWO ROWS OF BOLTS OR SKEWED CONNECTIONS, USE BENT PLATES, WHERE COLUMN WIDTH IS SMALLER THAN THE CONNECTING CLIP ANGLES. ANGLE LEGS SHALL BE REDUCED TO MATCH WIDTH OF COLUMN.
- BEAM WEB CONNECTION PLATE THICKNESS EQUALS 3/8" MINIMUM THICK FOR W8 BEAMS OR SMALLER 1/2" MINIMUM THICK FOR W21 BEAMS OR LARGER 3/4" MINIMUM THICK FOR BEAMS WITH WEB GREATER THAN 1" THICK
- FILLET WELDS SHALL BE AS FOLLOWS:
1/4" FOR 3/8" PLATES
5/16" FOR 1/2" PLATES
7/16" FOR 3/4" PLATES
- THICKNESS EQUALS BEAM FLANGE THICKNESS OF BEAM FRAMING INTO COLUMN WEB (3/8" MINIMUM).
- BOLT EDGE DISTANCE SHALL BE 1 1/2" MINIMUM AT ALL EDGES. BOLT SPACING SHALL BE AT 3". BOLT SPACING MAY BE REDUCED TO 3x THE BOLT DIAMETER IF IT IS REQUIRED FOR A SINGLE ROW OF BOLTS. A SINGLE ROW OF BOLTS IS PREFERRED.
- WHEN MORE THAN ONE COLUMN OF BOLTS IS NEEDED, THE FIRST COLUMN SHALL BE COMPLETE WITH THE REMAINDER OF THE BOLTS PLACED IN THE SECOND COLUMN.
- 1/2" PLATE THICKNESS + 5/16"



1 TYPICAL BOLTED WEB PLATE CONNECTIONS WITH BOLT SCHEDULE (SINGLE SHEAR)
S-803 NO SCALE: 1/8\"/>

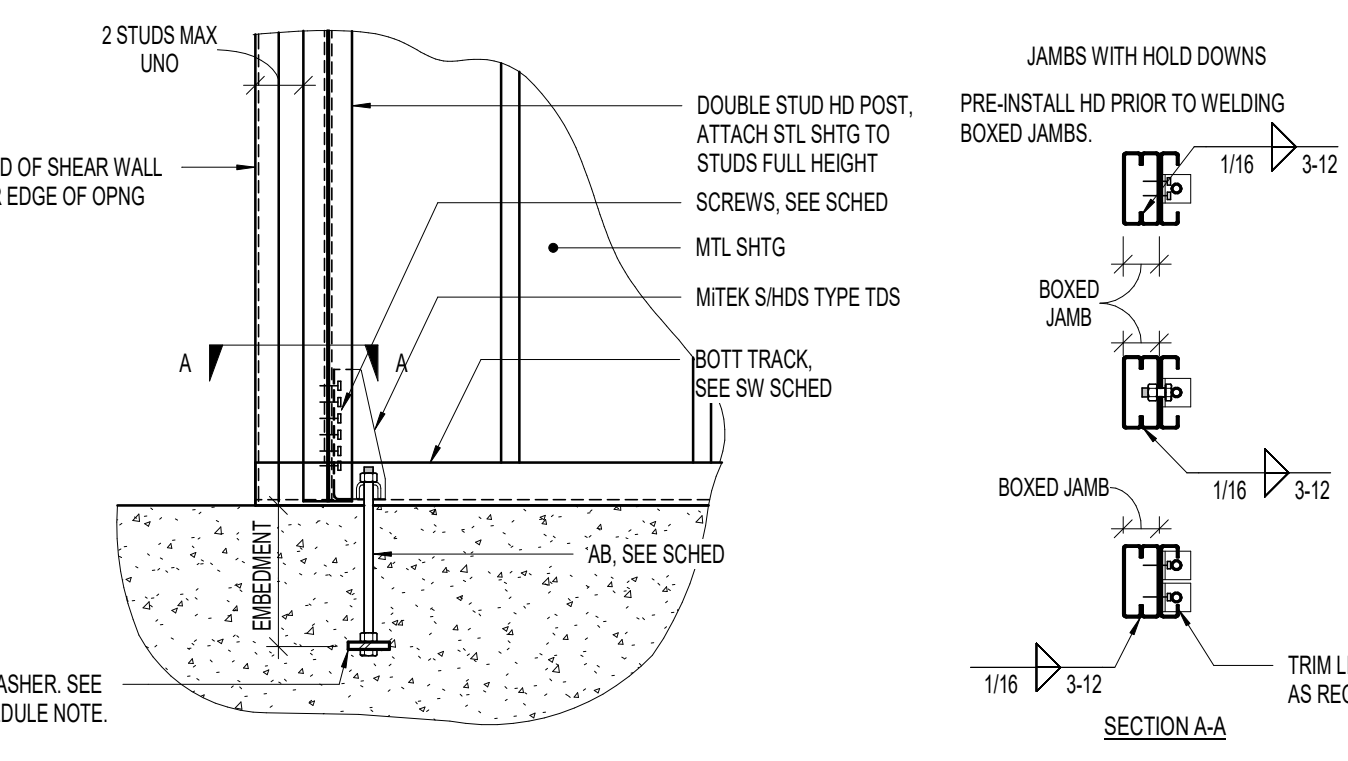
LIGHT GAUGE STUDWALL SCHEDULE					
MARK	SIZE AND SPAN	TOP & BOTT TRACK	LOAD DISTRIBUTION MEMBER	LOCATION (UNO)	BRIDGING CLIP AT EA STUD
LGW-1	600S200-43(33) AT 16\"/>				

- NOTES:**
- ALL NON-BEARING WALLS 400R00S125-33 (33) AT 16\"/>



LIGHT GAUGE STEEL HOLD DOWN SCHEDULE						
MARK	HOLD DOWN	COMPRESSION MEMBERS	SCREWS	ANCHOR BOLT Ø	EMBED DEPTH	ASD CAPACITY
HD-1	SIMPSON S/DITZT	(2) 600S200-43 (42)	(8) #10	1/2"	5"	1.045K

- HOLD DOWN NOTES:**
- ANCHOR BOLTS SHALL INCLUDE A DOUBLE NUT AND 4 x 4 x 1 1/2" PLATE WASHER.
 - INCREASE FOOTING DEPTH WHERE EMBEDMENT LENGTH PLUS 3" IS GREATER THAN FOOTING DEPTH SPECIFIED.
 - ALL LIGHT GAUGE HOLD DOWNS SPECIFIED ARE "MITEK".
 - HOLD DOWN COMPRESSION POST SIZE TO MATCH WALL THICKNESS.

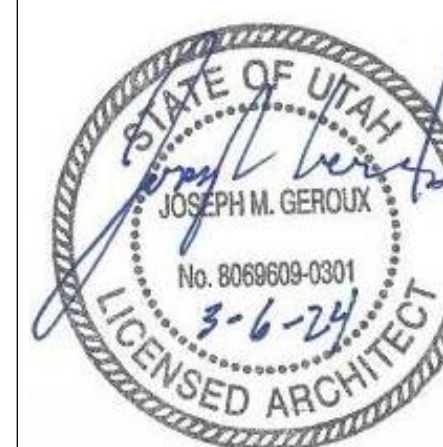


2 LIGHT GAUGE STEEL STUD WALL SCHEDULE
S-803 NO SCALE: 1/8\"/>

3 LIGHT GAUGE STEEL HOLDDOWN SCHEDULE
S-803 NO SCALE: 1/8\"/>

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Issued/Revisions

No.	Description	Date
1	PERMIT SUBMISSION	3/6/24
2		
3		
4		
5		
6		

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Project Name
ALBANY NORTH - ADD.

Sheet Title
MECHANICAL PLAN

Scale
3/16"=1'-0"

Date
03.06.2024

Drawn
GxA

Project No.
24-002

Sheet No.
M100

ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116

ELECTRICAL ROOM RTU = TRANE YSC120 :

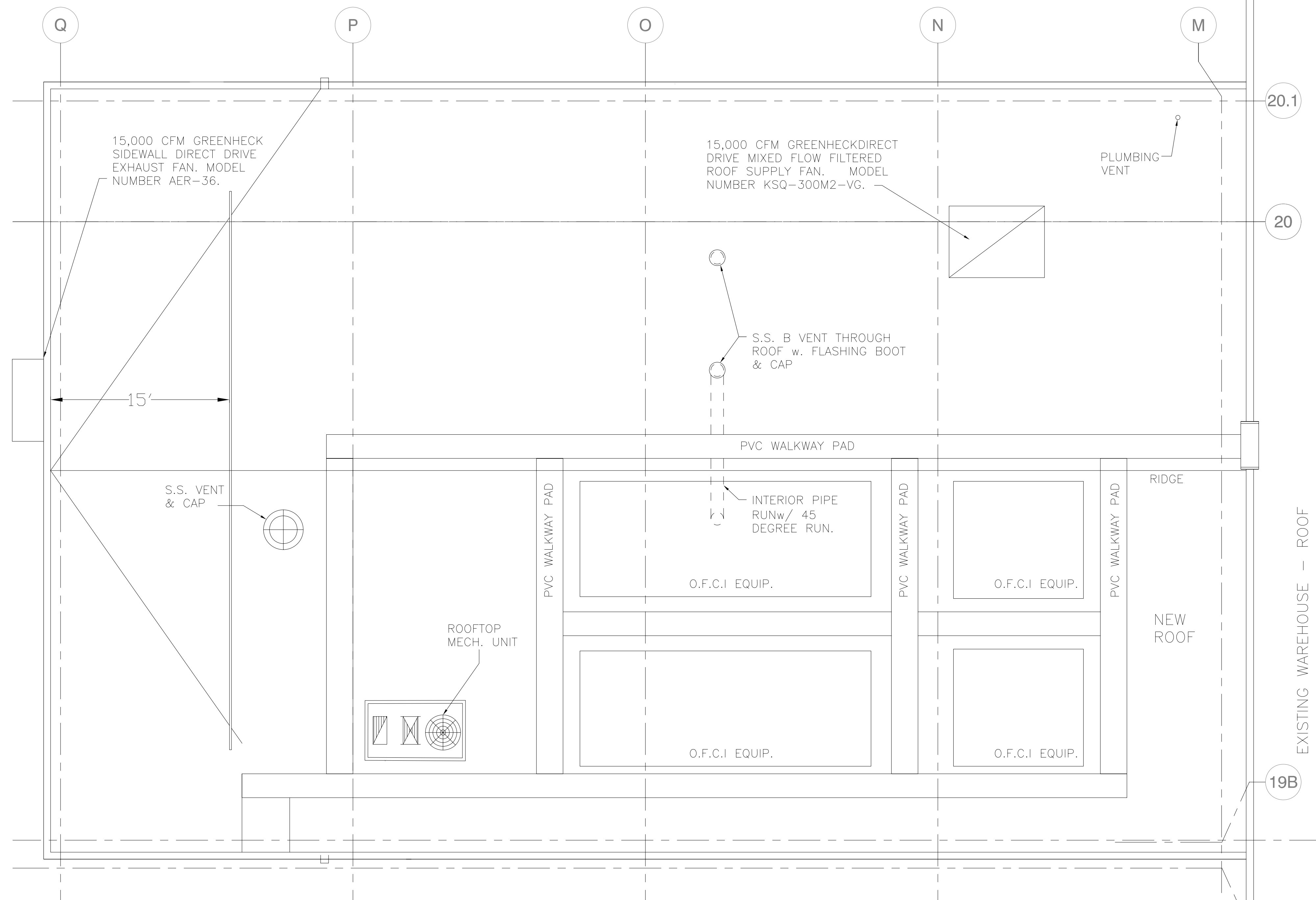
SUPPLY FAN= AIRFLOW=4000 CFM : MIN OUTSIDE AIRFLOW=200 CFM : EXTERNAL STATIC PRESSURE=.5

HEATING SECTION= INPUT HEATING LOAD= 250 MBH: OUTPUT HEATING LOAD=164 MBH: AMBIENT TEMP. DB=0: ENTERING LEAVING AIR TEMP= $\frac{50}{39}$: MEDIUM=NAT. GAS

COOLING SECTION = TOTAL COOLING LOAD=109.6: SENSIBLE COOLING LOAD=88.8: AMBIENT TEMP DB=95: ENTERING AIR TEMP DW/WB= $\frac{80}{82}$: LEAVING AIR TEMP DB/WB= $\frac{55}{55}$: MEDIUM=R410A

ELECTRICAL = TOTAL MCA = 22.7: TOTAL MOCP = 30: SINGLE POINT VOLT/PH/HZ = 460,3,60: LENGHT WIDTH HEIGHT =89 / 54/ 47: WEIGHT 1,500

NOTES: HEATING INPUT BASED ON SEALEVEL. ALL OTHER BASED ON 4,500 FEET ELEVATION. ROOFTOP UNIT TO COME WITH SPRING ISOLATION CURB, INTEGRATED OUTSIDE AIR ECONOMIZER AND BAROMETRIC RELIEF. UNIT TO COME WITH STARTED AND DISCONNECT. COLOR AND FINISH TO BE SELECTED BY OWNER. UNIT TO COME WITH BACNET CARD, CONNECT TO EXISTING BUILDING AUTOMATED SYSTEM. UNIT TO COME WITH CONCENTRIC DIFFUSER.



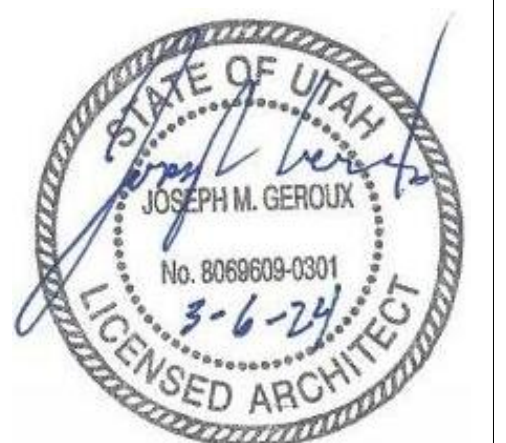
1 MECHANICAL ROOF PLAN
A100 SCALE: 3/16" = 1'-0"



PLAN NORTH

GENERAL NOTES

1. CONTRACTOR TO PROVIDE SUBMITTAL TO ARCHITECT FOR REVIEW OF ALL ROOFING PRODUCTS, FLASHING AND MECHANICAL PENETRATIONS. ALL FLASHINGS SHALL BE UL LISTED.
2. ALL MECHANICAL EQUIPMENT LOCATIONS TO BE COORDINATED WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.



Issued/Revisions

No.	Description	Date
1	PERMIT SUBMISSION	3/6/24
2		
3		
4		
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6		

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Project Name
ALBANY NORTH - ADD.

Sheet Title
PLUMBING PLAN

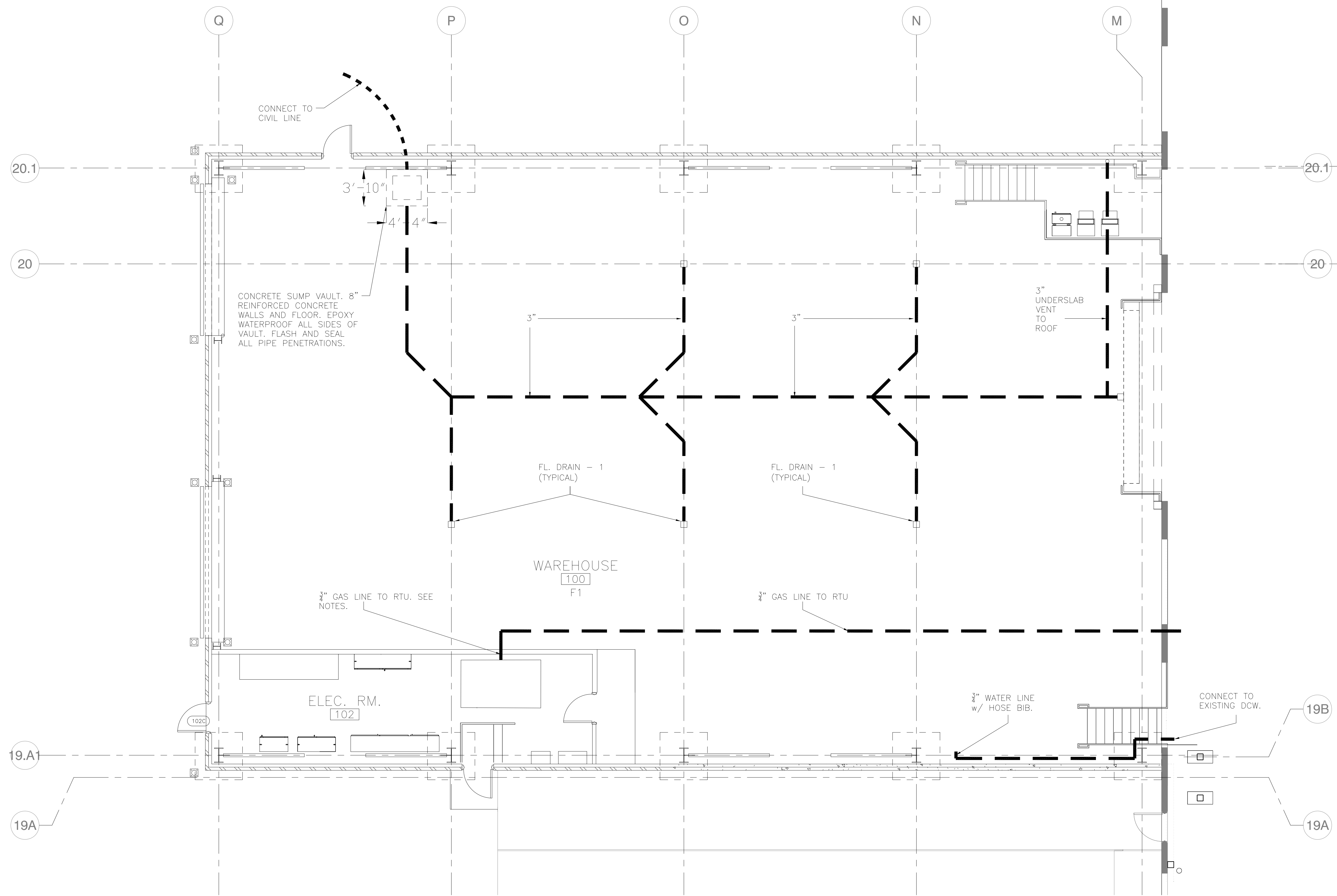
Scale
3/16"=1'-0" Date
03.06.2024

Drawn
GxA Project No.
24-002

Sheet No.

P100

ALBANY ENGINEERED COMPOSITES - 5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116



1 PLUMBING PLAN
P100 SCALE: 3/16" = 1'-0"



PLUMBING NOTES

- COORDINATE ALL EQUIPMENT LOCATION CONNECTIONS WITH OWNER PROVIDED EQUIPMENT.
- CONNECT NEW DRAIN LINES TO EXISTING MAIN. SEE CIVIL PLANS. FIELD VERIFY INVERT ELEVATIONS AND ALL SLOPE CALCULATIONS. .
- SEE MECHANICAL AND ARCHITECTURAL ROOF PLANS FOR ALL ROOF MOUNTED EQUIPMENT.
- CONNECT NEW GAS LINE TO EXISTING BUILDING LOOP SUPPLY LINE. PROVIDE SHUT OFF VALVE AND COORDINATE LOCATION WITH OWNER.
- CONNECT NEW WATER LINE TO EXISTING BUILDING LOOP. PROVIDE SHUT OFF VALVE AND COORDINATE LOCATION WITH OWNER.
- PROVIDE SHOP DRAWINGS FOR SUMP PIT AND ALL ASSOCIATED EQUIPMENT.

PLUMBING SPECIFICATIONS:

- FLOOR DRAIN = SMITH 2220Y FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR W/ 6" CAST IRON GRATE AND SEDIMENT BUCKET. NO HUB CONNECTION AND DEEP SEAL P-TRAP, PROVIDE W/ TRAP GUARD.
- HOSE BIB = ACORN 8121 CP-LF BENT NOSE HOSE VALVE POLISHED CHROME-PLATED W/ VACUUM BREAKER. 3/4" MALE HOSE THREAD AND LOOSE KEY HANDLE.
- SUMP PUMP = PRO SERIES PS-C50 / 1/2 HP COMBO PRIMARY - BACKUP SUMP PUMP OR APPROVED EQUAL. COORDINATE W/ ARCHITECT, CIVIL AND 3RD PARTY SPECIAL AGENCY ONCE EXCAVATION HAS BEEN COMPLETED.

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KEYED NOTES

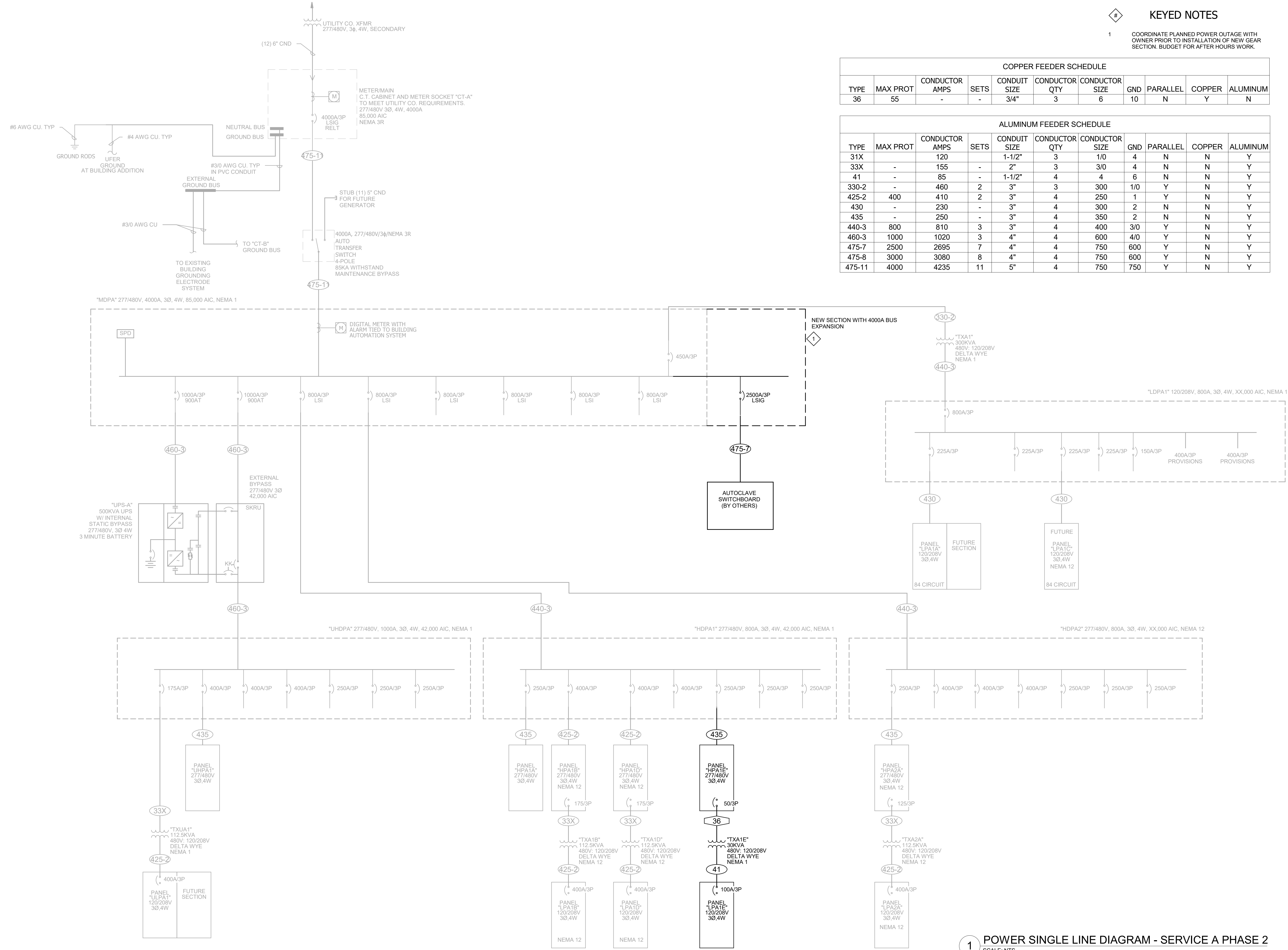
1 COORDINATE PLANNED POWER OUTAGE WITH OWNER PRIOR TO INSTALLATION OF NEW GEAR SECTION. BUDGET FOR AFTER HOURS WORK.

COPPER FEEDER SCHEDULE

TYPE	MAX PROT	CONDUCTOR AMPS	SETS	CONDUIT SIZE	CONDUCTOR QTY	CONDUCTOR SIZE	GND	PARALLEL	COPPER	ALUMINUM
36	55	-	-	3/4"	3	6	10	N	Y	N

ALUMINUM FEEDER SCHEDULE

TYPE	MAX PROT	CONDUCTOR AMPS	SETS	CONDUIT SIZE	CONDUCTOR QTY	CONDUCTOR SIZE	GND	PARALLEL	COPPER	ALUMINUM
31X	-	120	-	1-1/2"	3	1/0	4	N	N	Y
33X	-	155	-	2"	3	3/0	4	N	N	Y
41	-	85	-	1-1/2"	4	4	6	N	N	Y
330-2	-	460	2	3"	3	300	1/0	Y	N	Y
425-2	400	410	2	3"	4	250	1	Y	N	Y
430	-	230	-	3"	4	300	2	N	N	Y
435	-	250	-	3"	4	350	2	N	N	Y
440-3	800	810	3	3"	4	400	3/0	Y	N	Y
460-3	1000	1020	3	4"	4	600	4/0	Y	N	Y
475-7	2500	2695	7	4"	4	750	600	Y	N	Y
475-8	3000	3080	8	4"	4	750	600	Y	N	Y
475-11	4000	4235	11	5"	4	750	750	Y	N	Y



1 POWER SINGLE LINE DIAGRAM - SERVICE A PHASE 2
SCALE: NTS

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FAX: 801-975-0509

HUNT
ELECTRIC, INC.

QUALITY, INTEGRITY, PERFORMANCE & VERSATILITY

DESIGN-BUILD SERVICES

PROFESSIONAL ENGINEER
NO. 822357-2201
STATE OF UTAH
02/27/2024

DATE

DESCRIPTION

NO. ◀◀

PROJ. MGR.:
EL

DRAWN BY:
HE

ENGINEER:
AB

ALBANY ENGINEERED COMPOSITES
5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116
POWER SINGLE LINE DIAGRAM - SERVICE A PHASE 2
PERMIT SET

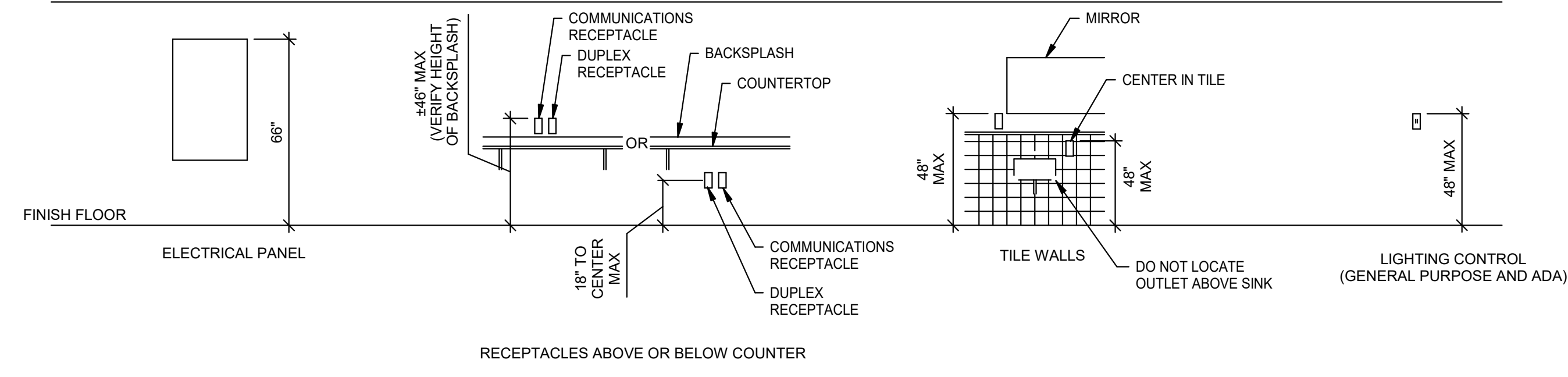
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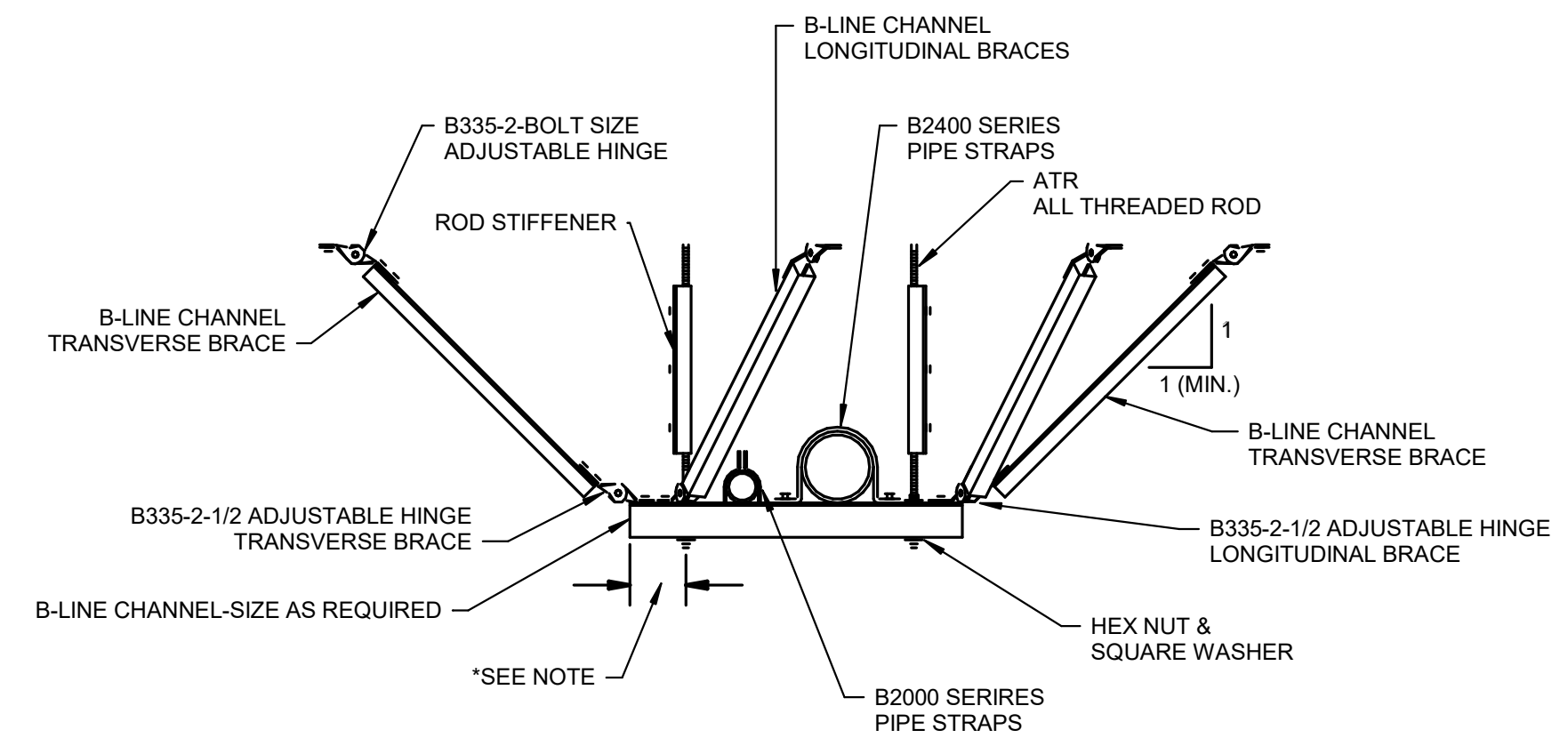
E002

QA/QC Completed By: HUNT ELECTRIC

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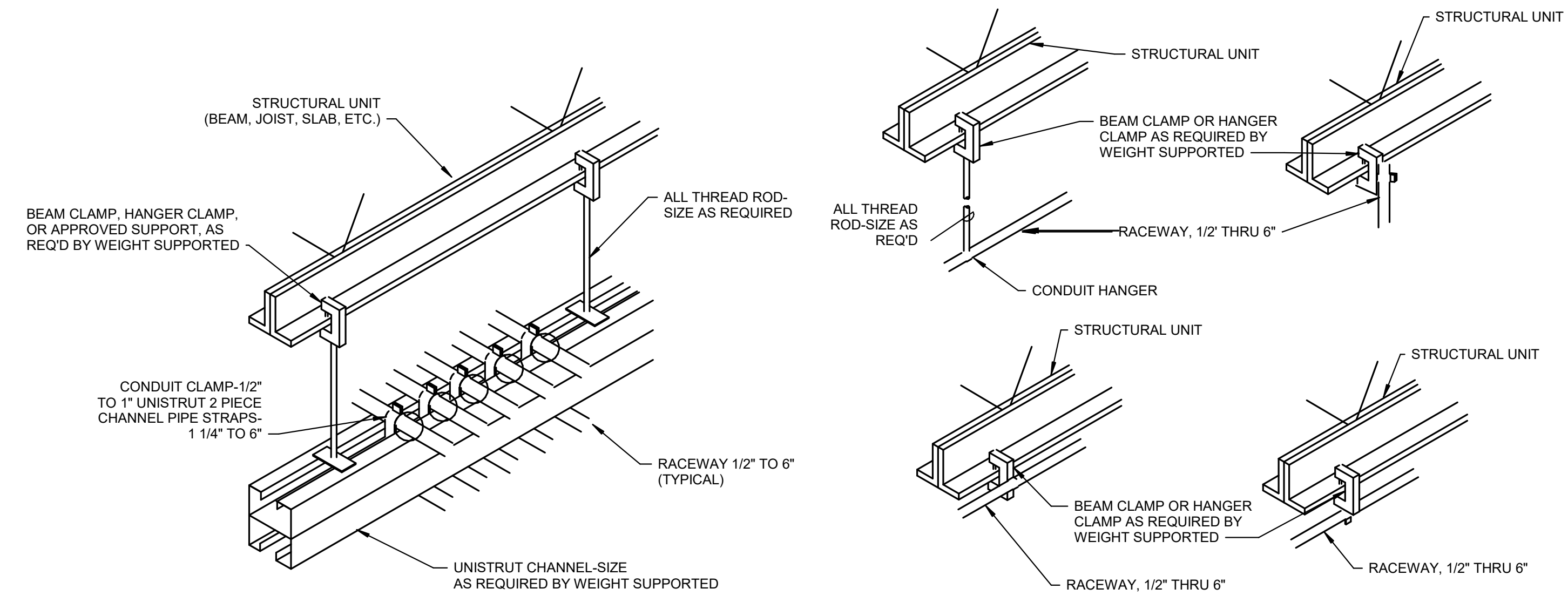


2 TYPICAL MOUNTING HEIGHTS
SCALE: NTS



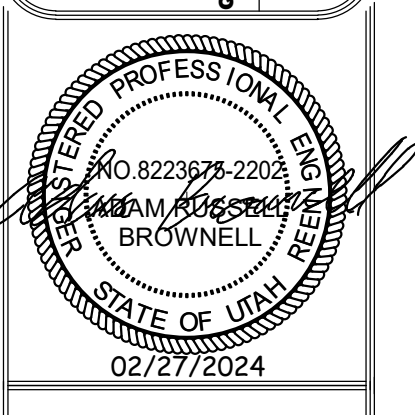
- NOTES:
- 1). B335-2 ADJUSTABLE HINGES FOR LONGITUDINAL BRACES MAY BE ATTACHED ON EITHER SIDE ADJACENT TO THE ALL THREAD ROD OR ATTACHED TO THE ALL THREAD ROD ITSELF.
 - 2). B335-2 ADJUSTABLE HINGES FOR TRANSVERSE BRACES MAY BE ATTACHED TO THE ALL THREAD ROD.
 - 3). TWO B335-W ADJUSTABLE HINGES MAY BE ATTACHED TO THE STRUT TRAPEZE USING THE SAME BOLT OR ALL THREAD ROD.
 - 4). IT IS NOT NECESSARY TO INSTALL BOTH TRANSVERSE BRACES AND LONGITUDINAL BRACES ON SAME TRAPEZE SUPPORT. EITHER SET OF BRACES MAY BE REMOVED TO FORM A LONGITUDINAL BRACE ONLY OR A TRANSVERSE BRACE ONLY IF DESIRED.
 - 5). LONGITUDINAL BRACES, WHEN NEEDED, MUST BE INSTALLED AT BOTH ENDS OF TRAPEZE.
 - 6). THE EQUIPMENT SHOWN ON THIS TRAPEZE SUPPORT IS GENERIC IN NATURE. ANY NUMBER OF PIPES, CONDUITS, DUCTWORK OR CABLE TRAY MAY BE SUPPORTED FOLLOWING THE SYSTEM WEIGHT AND SUPPORT SPANS LISTED IN APPENDIX 2 - TABLE 1.
- * DETERMINE LENGTH OF TRAPEZE, MAKING SURE SUFFICIENT LENGTH IS ADDED TO ATTACH THE ALL THREAD ROD AND BRACING ATTACHMENTS.

1 TYPICAL TRAPEZE TRANSVERSE AND LONGITUDINAL BRACING DIAGRAM
SCALE: NTS



3 TYPICAL CONDUIT RACKING AND SUPPORT DIAGRAMS
SCALE: NTS

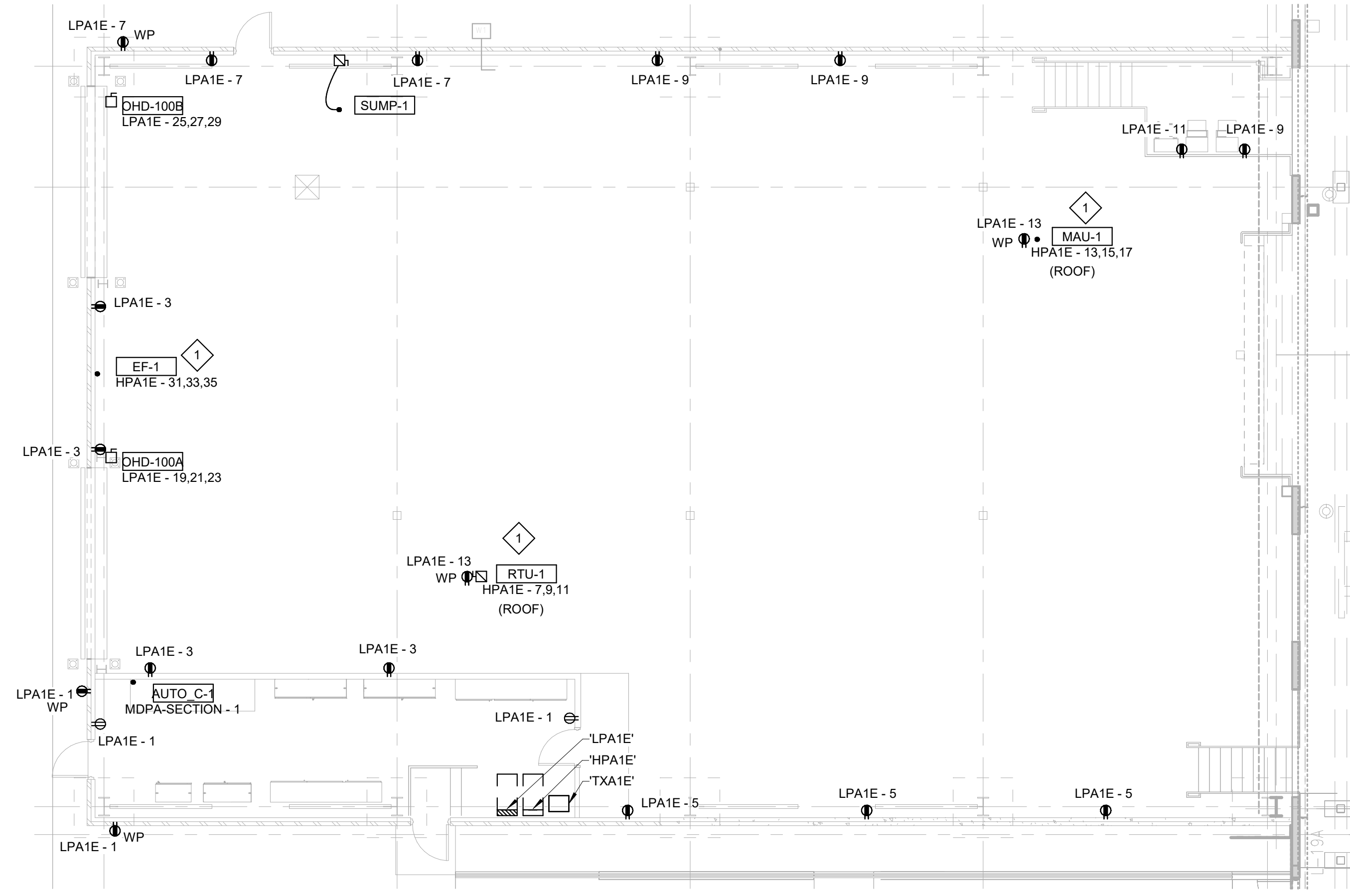
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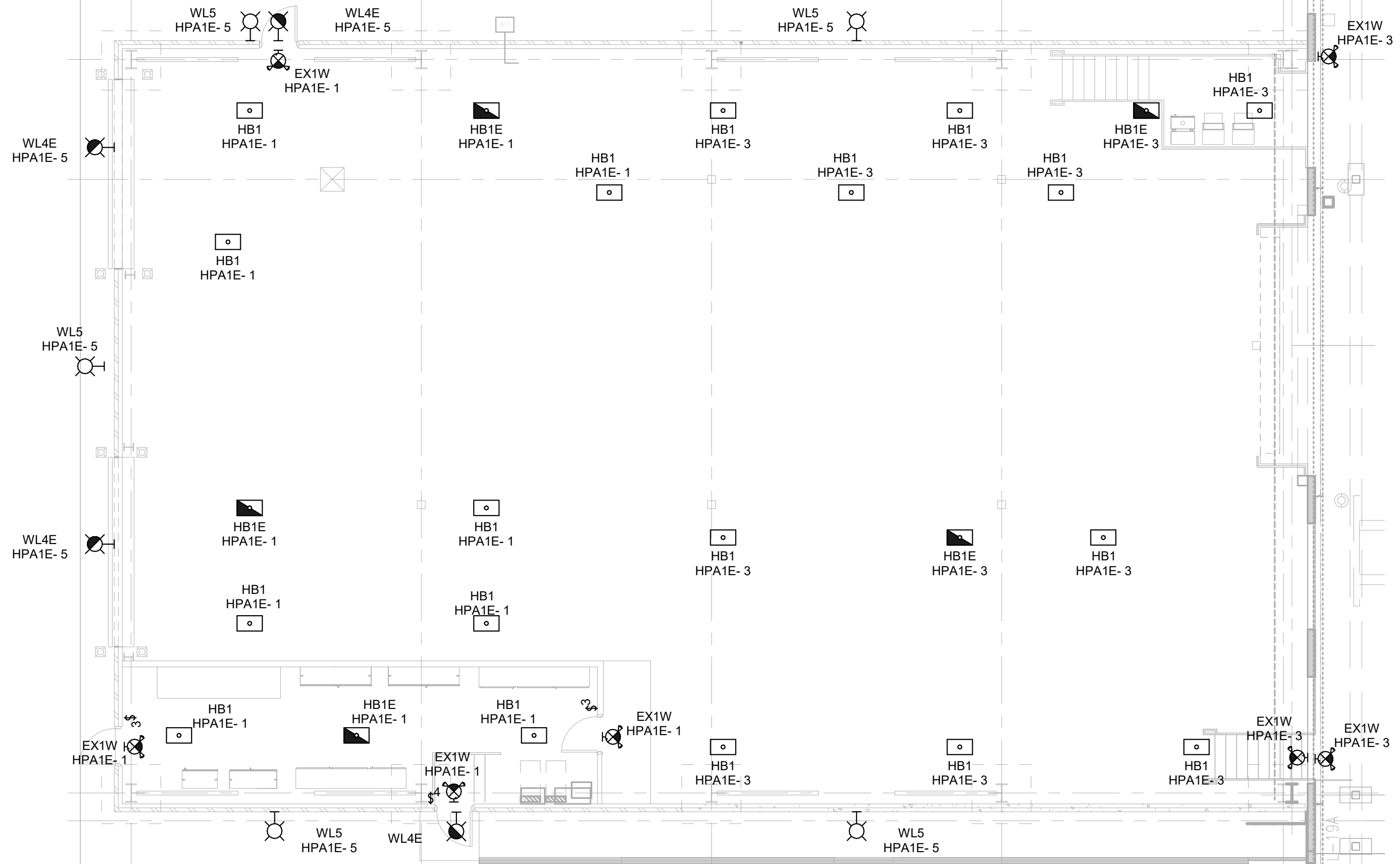
DATE: _____
DESCRIPTION: _____
NO. 44
PROJ. MGR.: _____
DRAWN BY: HE
ENGINEER: _____

ALBANY ENGINEERED COMPOSITES
5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116
ELECTRICAL DETAILS
PERMIT SET
SCALE: NTS
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E003



2 ENLARGED AUTOCLAVE ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"



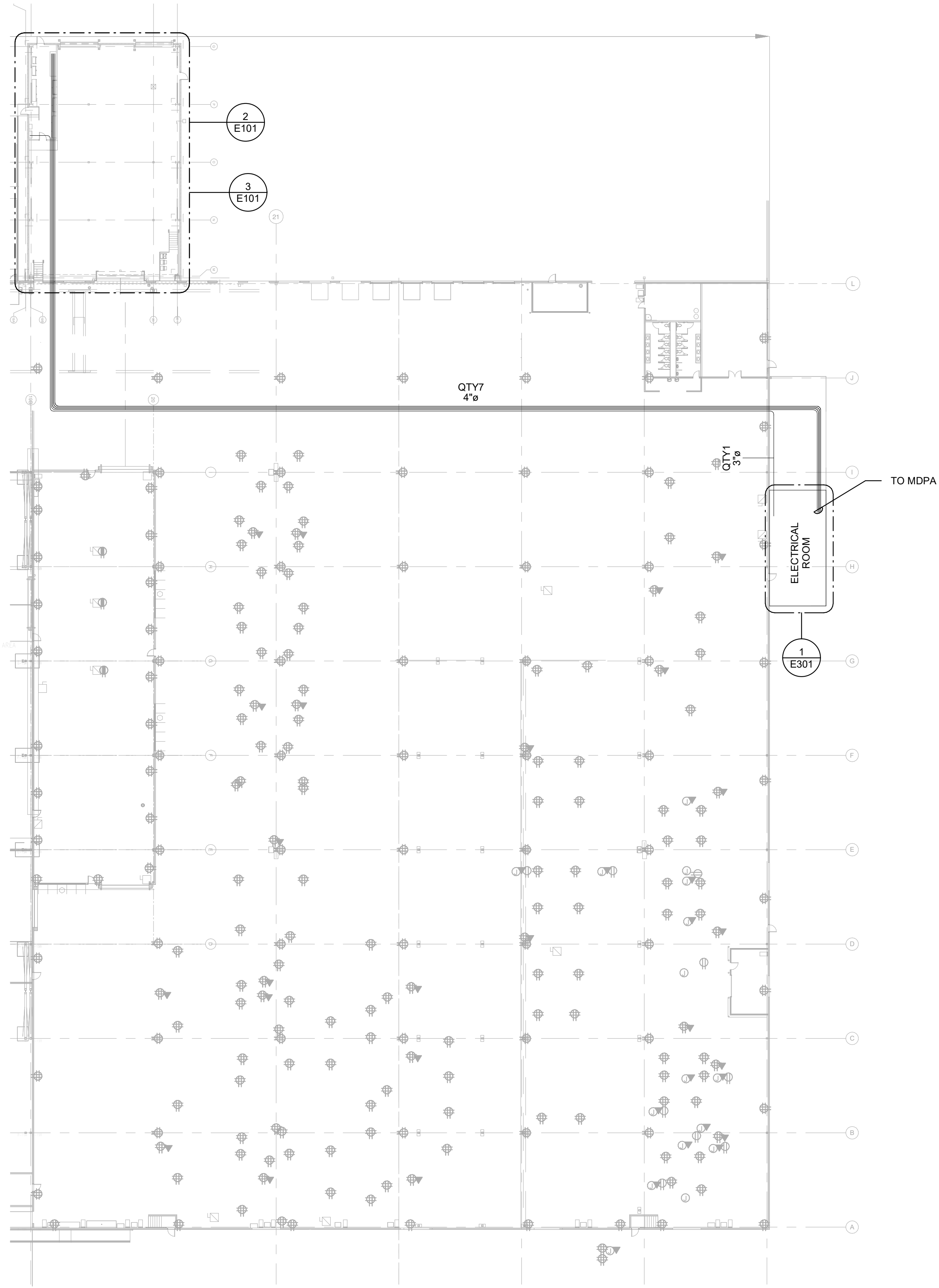
3 ENLARGED AUTOCLAVE ROOM LIGHTING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- A. ALL EXTERIOR EQUIPMENT TO HAVE NEMA 3R LOCKABLE ENCLOSURES.
- B. INTERIOR WALLS OF AUTOCLAVE ROOM WILL NOT BE FINISHED. USE SURFACE BACK BOXES, COVER PLATES, CONDUIT, OTHER RACEWAY, AND COVER PLATES ACCORDINGLY.

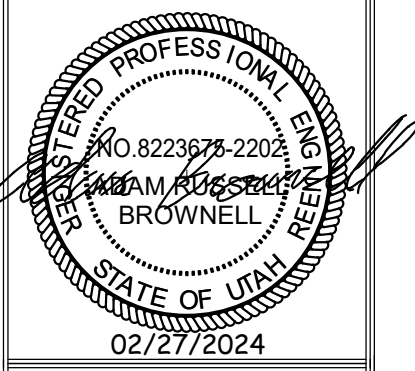
KEYED NOTES

- 1 COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.



1 LEVEL 1 EXPANSION ELECTRICAL POWER PLAN
SCALE: 1/32" = 1'-0"

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DATE

DESCRIPTION

NO.

PROJ. MGR.:

DRAWN BY: HE

ENGINEER: HE

ALBANY ENGINEERED COMPOSITES
5995 W. AMELIA EARHART DRIVE, SALT LAKE CITY UTAH, 84116
LEVEL 1 OVERALL ELECTRICAL POWER PLAN
PERMIT SET

PRINTED DATE: 3/7/2024 5:21:36 PM

E101

QA/QC Completed By: HUNT ELECTRIC

QA/QC Completed Date: --/--

GENERAL NOTES

- A. ALL EXTERIOR EQUIPMENT TO HAVE NEMA 3R LOCKABLE ENCLOSURES.

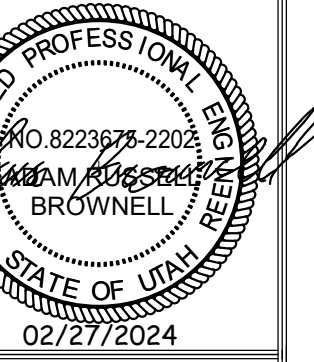
KEYED NOTES

- 1 INSTALL NEW SWITCHBOARD SECTION.

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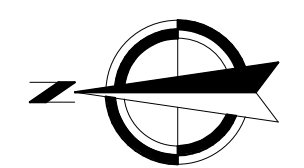
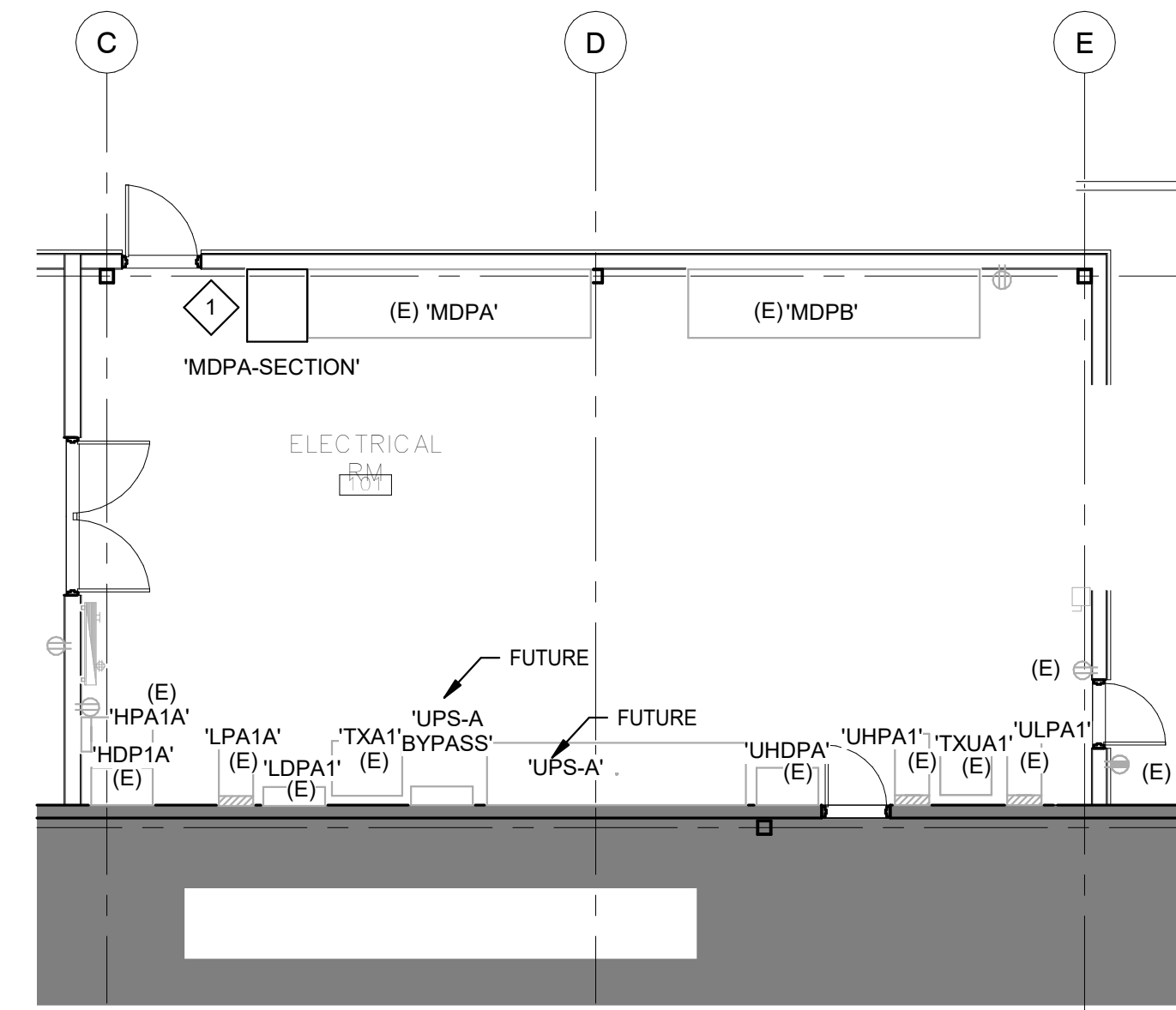
ENGINEER: I

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ENLARGED ELECTRICAL PLANS
PERMIT SET

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

E301



1 ENLARGED ELECTRICAL ROOM POWER PLAN
SCALE: 1/8" = 1'-0"