

New Building
for



Meridian Rd.,
Winnebago County, Illinois



BA
BLAKEMORE
ARCHITECTS

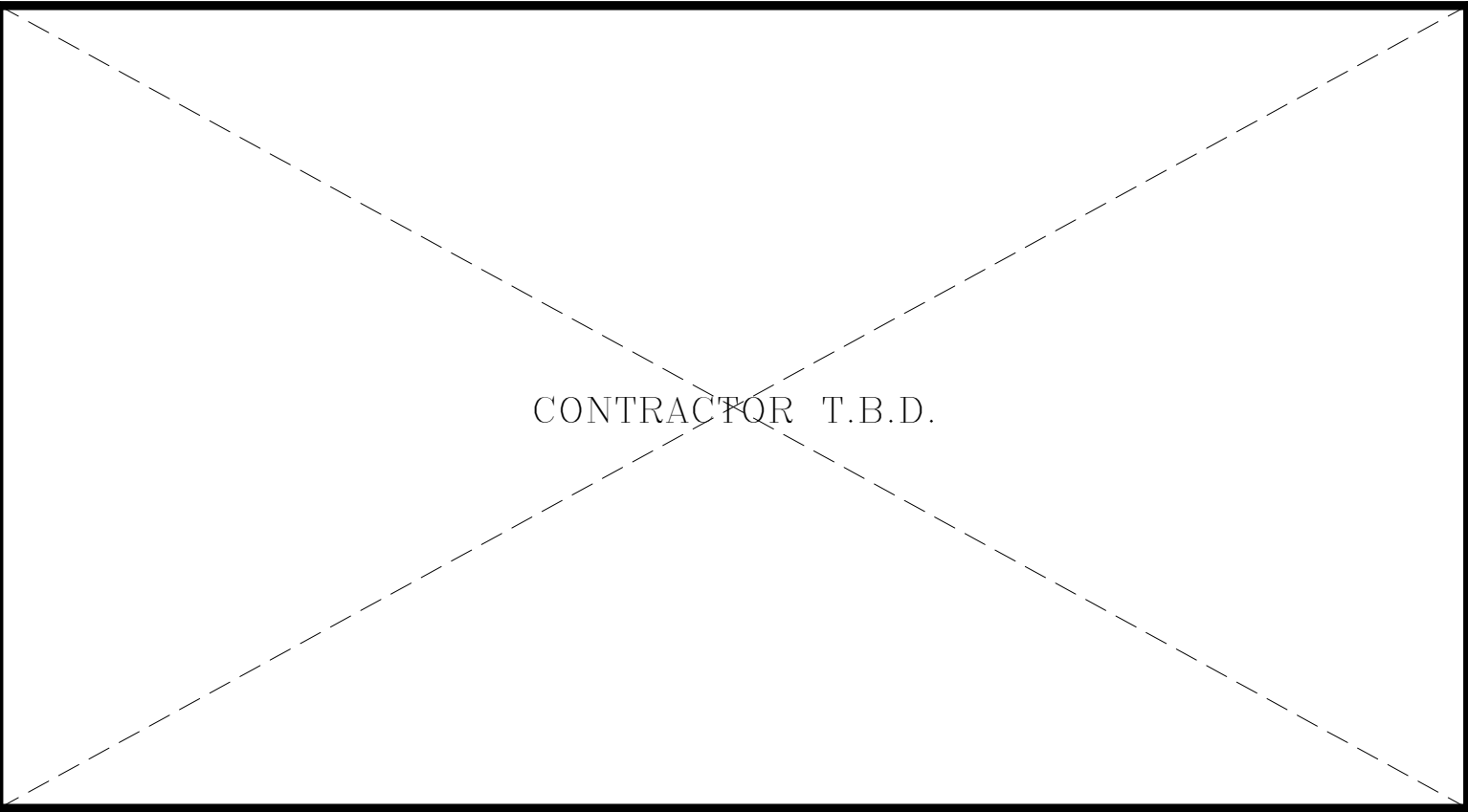
Date: 10-27-25 Project: 2025-09
Issued for Bids/Permit

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

ARCHITECT SEAL



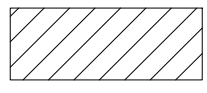
signature
10-27-25
date
license expires 11-30-26



MATERIALS INDEX



ACOUSTIC TILE



BRICK:
COMMON BRICK



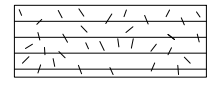
BRICK:
GLAZED BRICK



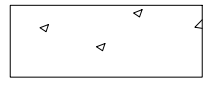
CERAMIC TILE



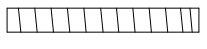
CARPET



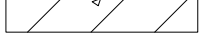
CLAY TILE



CONCRETE:
CAST-IN-PLACE



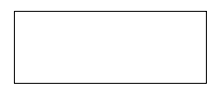
CONCRETE:
PRE-CAST



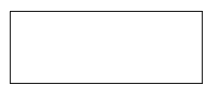
CONCRETE:
BLOCK



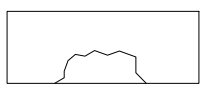
EARTH OR
BACKFILL



EXISTING
CONSTRUCTION
TO REMAIN



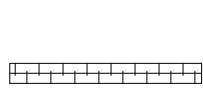
EXISTING
CONSTRUCTION
TO BE REMOVED



EXISTING CONSTRUCTION
TO BE PATCHED TO MATCH
EXISTING CONSTRUCTION



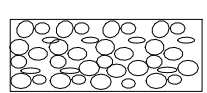
GLASS:
SHEET, PLATE,
FLOAT



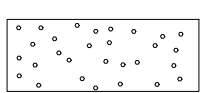
GLASS:
STRUCTURAL



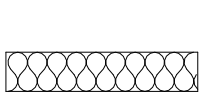
GRANITE



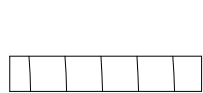
GRAVEL



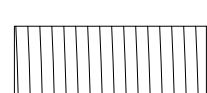
GYPSUM



INSULATION
BATT



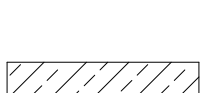
INSULATION
RIGID



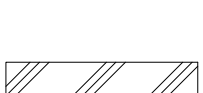
LIGHT WEIGHT
CONCRETE



STEEL



METAL:
BRASS, BRONZE



METAL:
ALUMINUM



MORTAR/GROUT



PLASTER



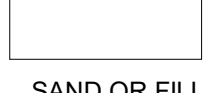
PLASTER BOARD-
GYPSUM BOARD-DRYWALL



QUARRY TILE



RESILIENT
FLOORING



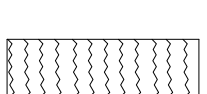
SAND OR FILL



SLATE



STONE: CUT



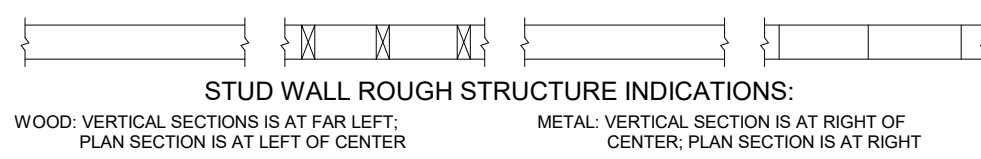
STONE: RUBBLE



STRUCTURAL CLAY
FACING TILE



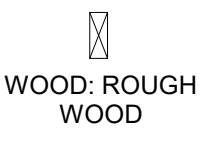
TERRAZZO



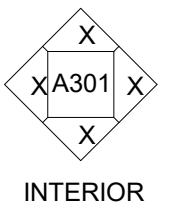
STUD WALL ROUGH STRUCTURE INDICATIONS:
WOOD: VERTICAL SECTIONS IS AT FAR LEFT;
PLAN SECTION IS AT LEFT OF CENTER



WOOD: FINISH
WOOD



WOOD: ROUGH
WOOD



INTERIOR
ELEVATIONS



WOOD: PLYWOOD



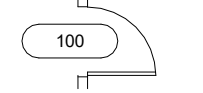
WOOD: HARDBOARD



WOOD: LAMINATED
TIMBER



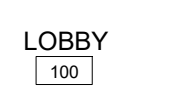
WOOD:
INTERMITTENT
BLOCKING



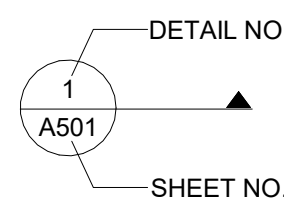
DOOR
DESIGNATION



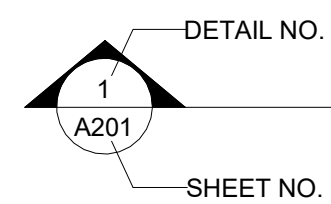
WINDOW
DESIGNATION



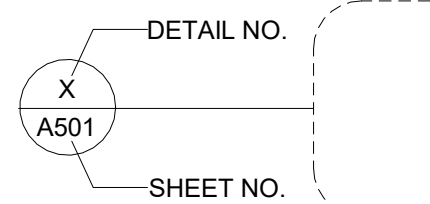
ROOM
DESIGNATION



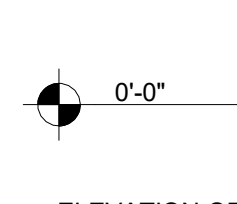
DETAIL SECTION



BUILDING SECTION



LARGE SCALE
DETAIL/SECTION



ELEVATION OR
DATUM POINT

ABBREVIATIONS

ACP ACOUSTIC PLASTER
ACT ACTUAL
AL ALUMINUM
ARCH. ARCHITECTURAL
A.T. ASPHALT TILE
AVG AVERAGE
B-FE SURFACE BRACKET MOUNTED
FIRE EXTINGUISHER
BLOCK
BPL BEARING PLATE
BR BRICK, BEDROOM
CPT CARPET
CAT. CATALOG
C BL CONCRETE BLOCK
CEM CEMENT
CERT CER T
CFM CUBIC FEET PER MINUTE
CI CAST IRON
CL CENTER LINE
CLG CEILING
CLO CLOSET
CON CONSTRUCTION
CONT. CONTINUOUS
COR CORRIDOR
C PL CEMENT PLASTER
C T CORK TILE
C TO C CENTER TO CENTER
CW COLD WATER
DET DETAIL
DF DRINKING FOUNTAIN
DIAM. DIAMETER
DIM DIMENSION
DN DOWN
DO DITTO
DR DINING ROOM, DOOR
DS DOWNSPOUT
DWG DRAWING
E ENAMEL, EXHAUST
EA EACH
E.J. EXPANSION JOINT
EL ELEVATION
ELEV ELEVATION
ENT ENTRANCE
EPOXY F. 1/4" RESINOUS EPOXY FLOOR
TOPPING
EPOXY PT. EPOXY PAINT
EST. ESTIMATED
E.W. EACH WAY
EXIST EXISTING

EXT EXTERIOR
FIG. FIGURE
FIN. FINISH
FL. FLOOR
FLASH. FLASHING
F.O. FINISH OPENING
FS FULL SIZE
GA GAUGE
GALV GALVANIZED
G I GALVANIZED IRON
GIWT GLAZED INT WALL TILE
GL GLASS
GYP BL GYPSUM BLOCK
HC HOLLOW CORE
HDWE HARDWARE
HM HOLLOW METAL
HORIZ. HORIZONTAL
HT HEIGHT
HW HOT WATER
I.D. INSIDE DIMENSION
INSUL INSULATION
INT INTERIOR
K KITCHEN
KCP KEENE'S CEMENT PLASTER
L LONG, LINE
LAV LAVATORY
LINO LINOLEUM
LR LIVING ROOM
LT LIGHT, LAUNDRY TRAY
MAR MARBLE
MATL MATERIAL
MAX. MAXIMUM
MC MINERAL CORE
MCJ MASONRY CONTROL JOINT
MET METAL
MIN MINIMUM
ML & P METAL LATH AND PLASTER
M.O. MASONRY OPENING
MULL. MULLION
N.A. NOT APPLICABLE
NAT. NATURAL
NITC NOT IN THIS CONTRACT
NO., # NUMBER
NOM. NOMINAL
NTS NOT
O.C. ON CENTER
O.D. OUTSIDE DIMENSION
PT PAINT
E.W. WROUGHT IRON
PLAS T PLASTIC TILE

PL BD PLASTER BOARD
PLYVD PLYWOOD
POL. POLISHED
PROJ. PROJECT
Q.T. QUARRY TILE
R RISER
R-FEC RECESSED FIRE EXTINGUISHER
CA CABINET
RB RUBBER
REBAR REINFORCING BAR
REF. REFRIGERATOR, REFERENCE
REV. REVISION
RM, RMS ROOM, ROOMS
R.O. ROUGH OPENING
R.T. RUBBER TILE
S SUPPLY
S & V STAIN & VARNISH
SC SOLID CORE
SCFT STRUCT CLAY FACING TILE
SCHD SCHEDULE
SEC SECTION
SHT SHEET
SP SPANDREL GLASS
SPECS SPECIFICATIONS
SQ FT SQUARE FEET
SR-FEC SEMI-RECESSED FIRE EXTINGUISHER CABINET
SRWY STAIRWAY
ST STEEL
STOR STORAGE
STRUCT STRUCTURAL
SUSP SUSPENDED
T THREAD, THICKNESS
T THRESHOLD
TRANSPL TRANSPLANTED
TYP TYPICAL
UNFIN UNFINISHED
UNO UNLESS NOTED OTHERWISE
UR URINAL
VINYL VINYL
V.A.I. VINYL ASBESTOS TILE
VERT. VERTICAL
VEST. VESTIBULE
VINYL TILE VINYL TILE
WAX, WIDTH WAX, WIDTH
WC WATER CLOSET
WD WOOD, WORKING DRAWINGS
WDW WINDOW
WI WROUGHT IRON
WP WATERPROOF

Architect:

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Email: brian@blakemore-architects.com

Structural:

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Cedarburg, WI 53012
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Web: www.core4engineering.com

MEP:

O'Higgins & Arnold Sustainability, LLC
769 Heartland Drive, Unit A
Sugar Grove, IL 60554
Tel: 630-538-1996

Web: www.oasllc.net

Civil:

ARC Design Resources, Inc.
5291 Zenith Parkway
Loves Park, IL 61111
Tel: 815-484-4300

Web: www.arcdesign.com

GENERAL NOTES

- Notes on each sheet apply only to the sheet where they appear, unless specifically noted otherwise.
- Dimensions shall not vary more than 1/16th from side to side, front to rear, finish face to finish face 'Min' (minimum) and 'Align' dimensions are critical. Should any existing conditions not permit construction of design intent in any area, General Contractor to notify Blakemore Architects immediately.
- 'Typical' means the condition indicated is the same or is representative for all similar conditions u.n.o.
- Architectural dimensions and design intent are indicated on Architectural drawings. If the installation of mechanical, electrical and plumbing equipment interferes with compliance to the design intent, notify Blakemore Architects immediately.
- Drawings are not to be scaled for new construction.
- All vertical dimensions shown for new construction are from top of finish floor (a.f.f.) General Contractor to verify dimensional thickness of all floor finishes.
- All work must comply with laws, ordinances and regulations of the local Building Code. Any revision necessary due to a variance between such laws, and these specifications and drawings shall be submitted to Blakemore Architects.
- It is the responsibility of the millwork and glazing contractors to verify all conditions and openings prior to fabrications and inform General Contractor of any discrepancies immediately. Notify Blakemore Architects for approval before such work is performed.
- If a discrepancy should exist between items noted on drawings and items indicated in the specification the General Contractor and subcontractors shall assume the larger quantity and/or better quality items should be used and notify the architect immediately.
- All vertical dimensions are to be established from a level plane.
- General contractor is to be aware of all lead times for finish materials at the time of pricing to assure availability of materials for project schedule. If the General Contractor fails to order materials in sufficient time for orderly installation, Blakemore Architects will not accept any request for material substitution. Any cost for special handling or air freight of materials in order to meet required deadlines is the responsibility of the General contractor.
- General contractor is responsible for coordinating with Plumber & Electrician proper location of receptacles, power lines, & plumbing lines as to not interfere with fixtures as shown on Architectural Drawings.

ALTERNATE BID LIST:

#A-1: Base Bid: Heavy Timber Wood Canopy at Main Entrance
Alternate: Metal Framed Canopy at Main Entrance - See Sheet A201-A & A506

#A-2: Cost to provide Performance Bond by the General Contractor.

#C-1: Alternate Bid to provide concrete dumpster pad

#C-2: Alternate Bid to provide Heavy Duty Asphalt at rear storage yard.

ALLOWANCE LIST (TO BE HELD BY THE GENERAL CONTRACTOR):

- Testing allowance - \$30,000.00
- Well Water - Design Build System (electric to be provided by E.C. under base bid)

CONSTRUCTION NOTES

- All partitions to be constructed of noncombustible materials in accordance with local building codes.
- Flame spread ratings: All materials used for interior wall, ceiling & floor finish w/trim shall have the following:
 - Stairways, lobbies and public corridors, Class 26-75
 - Interior offices and spaces - Class 76-200
- All glazing where indicated shall conform to the local Building code. All glazing is to be tempered safety glass with temper marks located so as to be concealed when glazing is set in place, u.n.o.
- All wood blocking shall be treated to retard fire as required by the local Building Code.
- All wood blocking required for both base & upper cabinets, custom millwork, cabinetry, shelving, etc., to be installed by General Contractor.
- Deflections for all partitions shall be limited to 1/240th of the span maximum.
- All exit doors to be keyless in the direction of egress.
- All drywall partitions receiving a fire resistive rating shall be constructed with fire code drywall (thickness as shown) per manufacturer's recommendations and requirements of applicable codes and governing authorities.
- Penetrations - coordinate with mechanical contractor and engineers for all openings required.
- Use galvanized corner beads and edge trims in all exposed work.
- Unless otherwise noted, all drywall partitions to be metal stud with layer of 5/8" drywall both sides, with acoustical batt insulation between.
- Movement control:
 - Provide for vertical movement at the head of all partitions as indicated in the Notes or the Drawings. In drywall construction connect head runner channel to underside of structure, cut studs to allow for vertical movement. Do not fasten to runner channel, fasten drywall to studs only.
 - Horizontal control joints at 12'-0" over ceiling in the vertical direction.
 - Vertical control joints for any wall length at 30'-0" in the horizontal direction where indicated or as required. Verify location of all control joints with Blakemore Architects.
- Sound Control:
 - Completely seal with acoustical sealant heads, bases, ends, plus all penetrations including but not limited to mechanical Electrical and plumbing work, etc.
 - Provide sound blankets as shown in architectural details.
- All doors and frames to be installed plumb and true and shall operate freely without binding. Frames shall be secured rigidly in place and braced to the floor, and structure above to prevent break out to partitions.
- Door undercuts (if required by HVAC drawings) shall be kept to a minimum dimension and shall be uniform throughout the project.
- Provide fire extinguishers, smoke detectors and all other life safety devices as required by code. All locations to be approved by Blakemore Architects & local fire inspector.
- Provide control joints at jambs of all windows (From top of window to top of window to top of drywall above).

FINISH NOTES

- All paint to be applied in accordance with manufacturer's specifications for particular surface.
- All interior gypsum partition walls to receive a level 4 finish.

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A201	BUILDING ELEVATIONS	10-27-25
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S101	OVERALL MEZZANINE FRAMING PLAN	10-27-25
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S400	MASONRY SECTIONS & DETAILS	10-27-25
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* Indicates drawing sheets that have been prepared by consulting engineers contracted by Blakemore Architects. Architectural seals on this sheet do not cover these drawings. See individual drawings for seals of consulting engineers.



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New Building

for

Forest Preserves of
Winnebago County

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO. DATE DESCRIPTION

1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

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BA Project No. 2025-09

Scale

12" = 1'-0"

Sheet Title

INDEX SHEET

Ref. North Sheet No.

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PROFESSIONAL DESIGN FIRM REGISTRATION #
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2. Boring samples have been taken at the proposed construction site and a boring report has been supplied with the construction documents.

3. Unusable Materials: Materials:

A. Assume that if unusable materials are encountered and the replacement of these materials is required, this situation shall be handled as follows:

B. The contractor shall notify the general contractor immediately. The project superintendent, prior to the undercutting being completed, shall approve any additional undercutting. The quantities shall be verified by the engineer as the additional removal is being completed.

C. If approved by the engineer, these materials shall be removed and replaced with compacted granular materials and compacted in accordance to required standards. The cost of removal shall be an extra to the contract, with the cost being adjusted by change order.

D. If the contractor is furnishing any off site materials, a representative sample of such materials shall be furnished to the general contractor's approved testing agency to determine a proctor.

E. These materials shall be placed as homogeneously as possible to facilitate accurate compaction and moisture testing.

4. Definition of materials:

A. "Organic material" is defined as material having an organic content in excess of 8% or as determined by the project owner's engineer.

B. Topsoil shall be friable and loamy (loam, sandy loam, silt loam, sandy clay loam, or clay loam).

B.1. Sand content shall generally be less than 70% by weight.

B.2. Clay content shall generally be less than 35% by weight.

B.3. Organic soils, such as peat or muck, shall not be used as topsoil.

C. Topsoil shall be relatively free from large roots, weeds, brush, or stones larger than 25 mm (1 inch). At least 90% shall pass the 2.00 mm (no. 10) sieve.

D. Topsoil shall contain between 5.0 and 8.0. Topsoil organic content shall not be less than 1.5% by weight. Topsoil shall contain no substance that is potentially toxic to plant growth.

E. "Existing on-site material within moisture content limits" is defined as material of such a quality that the specified compaction can be met without any additional work other than "densifying" with a roller. Scarification and drying of this material will not need to be done prior to compaction.

F. "Existing on-site material with a high moisture content" is defined as material with a high moisture content that can not meet specified compaction requirements without scarification and drying, chemical stabilization, etc., of this material prior to compaction.

G. "Unsuitable material" is defined as any materials that:

G.1. Cannot be utilized as "topsoil" (organic) for landscape areas.

G.2. Cannot be used as "engineered fill" regardless of moisture content and / or does not structurally meet the standards of the project owner's engineer's recommendations for "engineered fill".

G.3. Can be defined as natural materials or materials from "demolition" and / or excavated areas (i.e., materials that would not be suitable for "engineered fill").

H. "Off-site material" is defined as any materials that are brought from any area not indicated on this plan set.

I. "Trench backfill" shall be defined as any materials used for the purposes of backfilling any trench and / or any excavation requiring backfilling. Refer to "Standards for fill areas" to determine acceptable materials and procedures.

J. The term "strips" or "strip" as used herein shall be defined as the removal of all "organic materials" from a given area. The term "organic materials" is defined as material having an organic content over 8% based on ASTM D2974, or as defined by the owner's engineer.

5. Standards for cut areas:

A. "Cut areas" is defined as any area where "engineered fill" is not required to bring the site to design subgrade elevation. Instead, excavation or "cutting" is required to achieve design subgrade elevation ("engineered fill" being defined as any material being "offsite material").

B. In "cut areas" the site contractor shall perform one of the following procedures at the discretion and in the presence of a representative of the owner's engineer and the project architect:

B.1. For exposed building or parking lot subgrades consisting primarily of granular soils, the exposed subgrade should be compacted / densified by at least one (1) pass of a smooth-drummed vibratory roller having a minimum gross weight of 10 tons.

B.2. For exposed building or parking lot subgrades consisting primarily of cohesive soils, the exposed subgrades should be proof-rolled with a fully-loaded six-wheel tractor having a minimum gross weight of 25 tons. The maximum allowable deflection under the specified equipment shall be 1/2".

B.3. In the event that additional compaction of granular soils subgrades cannot be achieved by the procedures as outlined in item 1 above, or that deflections greater than 1/2" are observed during the "proof rolling" of cohesive soils subgrades (as outlined in item 2 above) additional corrective measures will be required. These measures could include, but not necessarily be limited to, scarification, moisture conditioning, re-compaction, undercutting and replacement with suitable fill or organic soils.

B.4. It shall be considered as part of the scope of these documents (and thus part of the contractor's responsibility) to perform scarification and drying of the subgrade per Illinois Department of Transportation (IDOT) standards (specify a 16" depth for 3 days). If this does not work then additional drying measures shall be an extra to the contract.

C. Any proposed corrective measures by the contractor should be reviewed by the owner's engineer and the project architect. In the event that in the opinion of the owner's engineer and / or the project architect proof rolling is not a good indicator of the subgrade stability, an alternative method shall be specified by the owner's engineer and / or the project architect.

6. Standards for fill areas:

A. A "fill" area is defined as any area where material is required to adjust the existing elevation to a proposed subgrade elevation (these areas require installation of "engineered fill" to achieve design subgrade elevation). "Engineered fill" material can be defined as either "granular soil" or "soil" that is either from the construction site or "offsite material". Materials having their origin from the construction site is referred to as "borrow". The composition and the compaction of the engineered fill or "offsite material" shall be specified by the project owner's engineer and the project architect.

B. In "fill areas", "borrow" materials are allowed to be utilized as engineered fill such that the site contractor compacts the "borrow" areas to the specified compaction.

C. The term "placement" (for engineered fill and back filled areas)

D. Compaction standards for fill in areas below the design grade, the exposed subgrade should be observed by a representative of the owner's engineer to evaluate that adequate stripping has been performed. Additionally, the proof rolling or compacting procedures outlined in the "standards for cut areas" section of these notes should be performed. It is typical practice to proof roll (and density if necessary) exposed subgrades prior to filling. If soft or unstable subgrades are encountered, these areas shall be removed and replaced with compacted granular materials. Compaction standards are based upon percentages of the maximum standard proctor dry density (ASTM D598). All engineered subgrades should meet the following minimum compaction:

A.1. Areas under foundations bases:

A.1.A. 95% standard proctor for all fill placed below foundation base elevation in the building area.

A.2. Areas under pavement slabs:

A.2.A. 95% standard proctor for all fill placed more than 12 inches below final grade for support of floor slabs and above foundation base elevation in the building area.

A.2.B. 95% standard proctor for fill placed in the upper 12 inches of design subgrade below slabs. The granular fill under the floor slab should be compacted to a minimum of 95% standard proctor.

A.3. Areas under pavement sections:

A.3.A. 95% standard proctor for all fill placed more than 12 inches below passenger car pavement sections and 95% standard proctor for the top 12 inches.

A.4. Landscaped areas:

A.4.A. 90% standard proctor for all fill placed in landscape areas. These areas should be brought to grade with "topsoil" to a depth of 6 inches in areas to be seeded, 6 inches for areas to be sodded, and 6 inches for all interior curved landscape islands.

A.5. Base course portion of pavement sections:

A.5.A. 95% standard proctor for all base course materials that are part of a "pavement section".

B. The option of utilizing the modified proctor (ASTM D1557) in lieu of the specified standard proctor (ASTM D598) shall be at the discretion of the general contractor, and the project owner's engineer and the project architect.

C. All backfill and fill materials shall be placed in lifts not greater than 8" in loose depth. Before compaction, moisten or aerate each layer as necessary to provide optimum moisture content. Compact each layer to required percentage of maximum density of the area.

7. Finish grading:

A. The term "finish grading" as used herein shall be defined as that condition that areas not receiving a finish product such as parking areas, driveways, roadways, sidewalks, etc. Finish graded areas would generally be those areas receiving "landscaping" such as seed, sod, trees, bushes, mulch, etc.

B. The site contractor is responsible for "finish grading" all areas within the perimeter of the "construction site". The definition of the "construction site" is the area encompassing all disturbed areas that was disturbed as a result of the construction process relating to the general contract of which this site contract was part of.

1. Unless noted otherwise on this page, all earthwork, grading and paving shall be performed in accordance with Standard Specifications for Road and Bridge Construction in Illinois, State of Illinois Department of Transportation, Current Edition, and all revisions and supplements thereto, the specifications contained in this project manual, and all other specifications and standards of the City of Rockford. In case of conflict between the Standard Specifications and the project specific specifications in this manual, the specifications in the manual shall govern.

2. The designs rendered on these plans are in accordance with established practices of civil engineering for the design functions and uses intended by the owner at this time. Neither the engineer nor its personnel can or do warrant these designs or plans as constructed except in the specific cases where the engineer inspects and controls the construction on a continuing basis at the site.

3. The contractor, by agreeing to perform the work, agrees to indemnify and hold harmless the owner, the engineer, the County, and all agents and assignees of those parties, from all suits and claims arising out of the performance of said work, and further agrees to defend or otherwise pay all legal fees arising out of the defense of said parties.

4. In accordance with generally accepted construction practices, the contractor shall be solely and completely responsible for conditions of the job site, including safety of all persons and property on the job site, and for the safety of the workmen and the public. The contractor shall be responsible for the safety of the workmen and the public. The contractor is responsible for maintaining adequate signs, barricades, fencing, traffic control devices and measures, and all other measures that are necessary to protect the work site at all times.

5. Maintain access for vehicular and pedestrian traffic as required for other construction activities. Use traffic control devices to include temporary striping, flagmen, barricades, warning signs, and warning lights shall be in accordance with current MUTCD and IDOT standards.

6. Contractor is responsible to provide secure storage for their own equipment. Designated storage locations will be identified for the contractor. Contractor will have the responsibility of installing secure trailer or fenced yard.

7. All phases of the site work for this project shall meet or exceed industry standards and requirements set forth by the owner's "Description of Work", Winnebago County the State of Illinois, and this plan set.

8. The contractor shall coordinate all permit and inspection requirements with responsible local, state, and federal agencies. The contractor shall include the costs of this coordination and all inspection fees in the bid price.

9. All work performed by the contractor shall come with a warranty against defects in workmanship and materials. This warranty period shall run concurrent with the required warranty periods the owner must provide to each local government agency, as a condition of the permit, but shall not be less than 12 months from the date of final acceptance by Owner.

10. The contractor will be held solely responsible for and shall take precautions necessary to avoid property damage to adjacent properties during the construction of this project.

11. All structures, inlets, pipes, swales, roads and public egresses must be kept clean and free of dirt and debris at all times.

12. All work executed during construction shall be recorded showing size, location and depth by the contractor, and either reconnected and rerouted or connected to the storm sewer system. The owner shall be notified immediately upon encountering any tie.

13. The contractor shall field verify the elevations of the benchmarks prior to commencing work. The contractor shall also field verify the location and elevation of existing pipe inverts, curb or pavement where matching into existing work. The contractor shall field verify horizontal control by referencing property corners to known property lines.

14. Notify the engineer of discrepancies in either vertical or horizontal control prior to proceeding.

15. All elevations are on USGS datum.

16. Parking areas designated as A.D.A. and all sidewalk shall be compliant with federal, state, and local A.D.A. requirements.

17. Detectable warning plates per Act 424.09 of the IDOT specifications shall be placed at all locations where sidewalk that is to be replaced intersects public roads and at all locations where the sidewalk is to be replaced.

18. The contractor shall verify the location of all utilities in the field prior to construction. This includes sanitary sewer, water, storm sewer, General Telephone, Commonwealth Edison, Northern Illinois Gas and cable television, if any. The J.U.I.L.I.E. number is 1-800-892-0123.

19. The contractor shall provide all necessary permits and approvals. The contractor shall have been referenced by a Professional Land Surveyor.

20. The contractor shall keep careful measurements and records of all construction and shall furnish the Engineer, the Owner and the Village with recorded drawings in a digital format compatible with AutoCAD Release 14 upon completion of their work.

21. Any excess dirt or materials shall be removed from the site at no cost to owner.

22. Notify the owner of any existing wells. Obtain permit form the Winnebago County Health Department. Cap and abandon wells in accordance with local, state, and federal regulations.

23. Finish grade shall in all areas not specifically reserved for storm water management shall drain freely. No ponding shall occur. Tolerances to be observed will be measured to the nearest 0.04 of a foot for paved surfaces and 0.10 of a foot for unpaved areas.

24. The contractor shall be responsible for all utility relocation services and shall contact Arc Design directly to negotiate required scope of services and fee. Contractor shall include all necessary construction layout in their bid. Contact Mr. Lee Sprecher at 815-484-4300 x238.

1. All pavement shall be constructed in accordance with the following:
 - A. Concrete pavement shall be constructed in accordance with the Illinois Department of Transportation (IDOT) "Standard Specifications for Road and Bridge Construction" (Standard Specifications), latest edition, including all updates and standards thereto.
 - B. Additional details and requirements provided in the contract documents, including this plan set.
2. All subgrade shall be prepared to receive the proposed pavement structure. The subgrade shall be prepared by stripping all topsoil and unsuitable material and excavated or filled to within 10.0 feet of design subgrade.
3. The subgrade of pavement areas shall be free of all unsuitable material and shall be compacted to a minimum 95 percent of Standard proctor density.
4. The subgrade shall be proof rolled, inspected and approved by the Owner prior to placing the base material. Notify the engineer at least 48 hours prior to finished subgrade preparation.
5. The earthwork contractor shall be responsible for removal of spoil material from the underground contractors, preparing the roadway subgrade, proof rolling, minimum depth of 4 inches to finished grade in the parkway areas only, grading of drainage swales, and all other tasks as directed by the owner or engineer.
6. The quantities contained in these documents are approximate and estimated, and are presented as a guide to the contractor in determining the scope of work. It is the Contractor's responsibility to determine all quantities and to become familiar with the site and soil conditions.
7. The paving Contractor is responsible for the final subgrade preparation, proof rolling, the pavement base, binder, and surface, and all final clean-up work and maintenance of the roadway during construction operation.
8. The proposed pavement shall be of the type and thickness as specified in the engineering drawings, and constructed in strict conformance with the previously referenced IDOT standard specifications.
9. All deficiencies, including unacceptable smoothness, thickness, and asphalt mixture, shall be delineated, removed, and replaced in compliance with Specifications requirements unless corrected otherwise as directed and approved by the owner.
10. Field quality control tests specified herein will be conducted by the owner's Independent Testing Laboratory (ITL) at no cost to the contractor. Any additional testing or field observations requested by the State of Illinois shall be at the contractor's expense. The State of Illinois shall be the owner. The contractor shall perform additional testing as considered necessary by the contractor for assurance of quality of construction. Retesting required as a result of failed initial tests shall be at the contractor's expense.
11. Accuracy, timing, frequency, and methods may vary as determined by the owner and the ITL.
12. Testing shall be performed on finished surface of each asphalt concrete course for smoothness, using 10'-0" straightedge applied parallel with, and at right angles to centerline of paved area. The following tolerances in 10 ft shall not be exceeded: Base Course Surface: 1/4-inch, Wear Course Surface: 1/8-inch.
13. No ponding shall occur on paved surfaces.

Storm sewer shall be constructed in accordance with the following:

- A. "Standard Specifications for Water and Sewer Main Construction in Illinois" (Standard Specifications), Seventh Edition dated 2014 (and all revisions and supplements thereto)
- B. Standards and requirements of Rockford.
- C. Additional details and requirements provided in the contract documents, including this plan set.

Where criteria of the aforementioned specifications conflict, the more stringent criteria shall be implemented.

2. All storm sewer pipe shall be reinforced concrete pipe unless otherwise specified in this plan set.
3. All storm sewer system fittings shall conform to the following specifications:

- A. Storm pipe:
 - A.1. Sump pump service connection and storm sewer extension (4" and 6"):
 - A.1.a. ADS pipe shall be in accordance with ASTM D2751.
 - A.1.b. SDR 35 PVC pipe shall be in accordance with ASTM D3034.
 - A.1.c. Concrete sewer pipe (10" diameter and smaller) shall be Class III (minimum) in accordance with ASTM C14.
 - A.2. Reinforced circular concrete pipe (12" diameter and larger) shall be Class III (minimum), wall B, in accordance with ASTM C76.
 - A.3. Reinforced concrete arch culvert pipe shall be double reinforced, Class III (minimum) in accordance with ASTM C506.
 - A.5. Reinforced concrete elliptical culvert pipe shall be Class HE-II or VE-III (minimum) in accordance with ASTM C507.
 - A.6. Underdrain pipe (4" and 6") shall be SDR 35 PVC pipe in accordance with ASTM D2729.
 - A.7. Galvanized corrugated steel culvert pipe shall be type B, with a minimum wall thickness of 14 gauge per AASHTO M246 (shall only be used for culverts).
 - B. Joints for storm pipe:
 - B.1. ADS pipe joints shall be in accordance with ASTM D2235.
 - B.2. PVC pipe joints shall be in accordance with ASTM 3121 (push-on type), except underdrain pipe, which shall have solvent welded joints.
 - C. Casing pipes:
 - C.1. 14" thick pipe shall be in accordance with ASTM A252, grade 2, or ASTM A139, grade B, or approved equal having a minimum yield strength of 35,000 psi.
 - D. Manholes and Catch Basins:
 - D.1. Manholes and catch basins shall be precast reinforced concrete in accordance with ASTM C478.
 - D.2. Manholes and catch basins shall be sized as follows:
 - D.2.a. For sewers eighteen inches in diameter or less, manholes shall have a forty-eight inch inside diameter.
 - D.2.b. For sewers twenty-one to thirty-six inches in diameter, manholes shall have a sixty inch inside diameter.
 - D.2.c. For sewers greater than thirty-six inches in diameter, manholes shall have a seventy-two inch inside diameter or as specified in this plan set.
 - D.3. Adjusting rings:
 - D.3.a. No more than 2 precast concrete adjusting rings shall be allowed.
 - D.3.b. Precast concrete adjusting rings shall have a maximum height of 6 inches.
 - D.4. Seals:
 - D.4.a. For pipe and frame seals, all pipe connection openings shall be made watertight with hydraulic cement. The hydraulic cement sealing pipe connections shall extend the full thickness of the structure wall. Hydraulic cement shall also be applied within the structure from the cone section of the pipe to the adjusting rings, to the frame.
 - D.5. All bottom sections shall be monolithically precast including bases and invert flowlines.
 - E. Inlets:
 - B. Inlets shall be precast reinforced concrete in accordance with ASTM C478 and ASTM C443.
 - C. Adjusting rings:
 - c.1. No more than 2 precast concrete adjusting rings shall be allowed.
 - c.2. Precast concrete adjusting rings shall have a maximum height of 6 inches.
 - c.3. No more than 2 precast concrete adjusting rings shall be allowed.
 - c.4. Only one pipe connection shall be allowed, and it shall be precast with resilient rubber watertight pipe to manhole sleeves or seals. External flexible watertight sleeves shall also extend from the manhole cone to the manhole frame.
 - D. Bottom sections: All bottom sections shall be monolithically precast including bases and invert flowlines.
 - F. Castings (Unless otherwise noted within the plans):
 - F.1. Unless otherwise specified as a "closed lid", manhole frames and covers shall be as listed below. Closed lid frame and covers shall be Neenah R-1916-C embossed "STORM SEWER".
 - E. Crushed Granular Bedding shall be crushed gravel or crushed stone course aggregate in accordance with ASTM C33 (Size No. 67).
 4. All end sections 24" and greater shall come equipped safety bars per IDOT detail Standard 542411.
 5. Inspect for defects before and after the trench, piece by piece. Remove and replace defective, damaged or unsound pipe or pipe that has had its grade disturbed after laying. Protect open ends with a stopper to prevent earth or other material from entering the pipe during construction. Remove dirt, excess water, and other foreign materials from the interior of the pipe during the pipe laying progress.
 6. Install pipe in accordance with manufacturer's written recommendations.
 7. Commence installation at the lowest point for each segment of the route. Lay RCP with the groove or bell end up-stream.
 8. Lay pipe to the required line and slope gradients with the necessary fittings, bends, manhole, risers and other appurtenances placed at the required location as noted on Drawings.
 9. All storm sewers under and under two feet of any existing or proposed pavement shall be backfilled with granular backfill material IDOT gradation FA-6 or approved equal (Grade 8 or Grade 9).
 10. Compact backfill to 98 percent of maximum density in accordance with ASTM D698, (or 95 percent of maximum density, in accordance with ASTM D1557) obtained at optimum moisture as determined by AASHTO T180.
 11. Not backfill with any material other than the specified systems comply with and are accepted by applicable governing authorities.
 12. Backfill trenches to contours and elevations shown on the drawings.

1. Material description: a fast drying, high hiding marking paint for concrete, brick, and bituminous surface, suitable for painting centerlines and edgelines of highways, City of Rockford crosswalks and stop zones, parking lots, traffic aisles, etc. Do not apply to in temperatures below 50 °F.

1. Landscape Contractors shall conduct a site visit prior to bidding/contracting to inspect the current site conditions and review proposed landscape plan and related work. Contractor shall provide any discrepancies in the field to the Landscape Architect and/or Owner.

2. Contractor shall verify locations of all underground utilities prior to beginning construction on his phase of work. Electric, gas, telephone, and cable television can be located by calling 3.1.U.I.E. at "811". For regional location, contact "Digger's Hotline". Any damage or interruption of services to any underground utilities shall be the responsibility of the contractor. Any activities with other trades on the job and shall report any unacceptable job conditions to owner's representative prior to commencing work.

3. For details pertaining to Utilities, Easements, Grading, Retaining Walls, Layout, Geometry, Wetland/Flood Plain Delineations, etc., or other trades refer to Architectural and Civil Engineering plans and/or owner.

4. Contractor shall provide for application and cost of all necessary building materials and code verifications. Submit copies of all documents to owner and Landscape Architect.

5. Contractor shall grade entire site to correct surface irregularities in preparation for seed/sod. Roto-till, disc, drag, harrow or hand rake sub grade to a depth of 4" in all lawn areas and remove construction debris, foreign matter or stones larger than 2". Grading shall provide slopes which are consistent with the proposed plan. Contractor shall take care to avoid erosion on a steep and true condition and obtain positive drainage in all areas. Finish grades shall meet the approval of owner prior to lawn installation.

6. All disturbed areas are to receive minimum 4" of topsoil and be finished with mulch, straw mulch, seed, sod, etc. or as noted. All excavated areas are to be finished with a minimum of 12" depth of topsoil and be finished with mulch, straw mulch, seed, sod, etc. or as noted. All lawn areas to be watered until a healthy stand of grass is established. (see seed/sod notes for acceptance details).

7. Quantity lists are supplied as a convenience; however, the contractor should verify all quantities. The drawings shall take precedence over the lists.

8. Plantings may need to be adjusted in the field to accommodate utilities, easements, drainage ways, downslopes, etc.; however, quantities and plantings shall remain the same.

9. Size & grading standards of plant material shall conform to the latest addition of ANSI Z601.1 AMERICAN STANDARD OF NURSERY STOCK, by the American Nursery & Landscape Association. Plant material shall be nursery grown and be either balled and burlap or container grown.

10. All plant species specified are subject to availability. Material shortages in the landscape industry may require substitutions. All substitutions must be approved by the Landscape Architect and/or Owner.

11. Plant symbols illustrated on this plan are a graphic representation of proposed plant material types and are intended to provide for visual clarity. However, the symbols do not necessarily represent actual plant spread at the time of installation. Sizes and/or spread on plant list represent minimum dimensions of the plants at time of installation. See Contract Addendum for further details.

12. Any plant materials with damaged or crooked/damaged leaders, bark abrasion, sun scald, insect damage, etc. are not acceptable and will be rejected by Landscape Architect and/or Owner. Trees with multiple leaders will be rejected unless called for in the plant list as multi-stem or clump.

13. Upon inspection and acceptance of all landscape items by Landscape Architect and/or Owner the contractor shall assume maintenance responsibilities for a period of thirty (30) days, for all plant material, to include: watering, cultivating, weeding, pruning, mulching and spraying as necessary to keep plants free of insects and in a healthy, vigorous condition until responsibility is transferred to the owner (see below). All plant material shall be guaranteed for one (1) year after acceptance by landscape architect and/or owner. After the first thirty (30) days, the contractor shall assume maintenance responsibility for all plant material. Upon Contractor's acceptance of the owner's approval of plantings, as determined by the landscape architect at the end of one (1) year guarantee period. Contractor shall notify immediately, in writing, any concerns related to maintenance practices.

14. All plant material shall be mulched continuous with minimum 3" depth shredded hardwood mulch, see planting details. All deciduous trees (shade / ornamental) that are not located in a plant list shall be mulched with a 3' x 3' diameter circle. Evergreen trees shall be mulched to outer-most branches at the time of installation.

15. Planting edge delineation at all planting bed lines and tree saucers shall require a minimum 4" depth "vee" shaped cultivated, spaced edge with a minimum 12" planting bed width. All lawn areas and slopes shall be in continuous bed between lawn and 3" x 3" areas as indicated on plan.

16. Contractor to seed all lawn areas as indicated on plan. Seeded lawn shall be a combination of bluegrasses, perennial ryegrass and red fescue with the following composition by weight: 30% ryegrass Kentucky bluegrasses, 20% park Kentucky bluegrasses, 20% creeping red fescue, 20% scalds hard fescue, and 10% perennial ryegrass. Seed shall be applied at a rate of 10 lbs. per 1,000 sq. ft. All seeded lawn areas shall be covered with straw which will be hand raked and removed at a rate of 10 lbs. per 1,000 sq. ft. Each seedling shall be watered to the point of saturation to reduce erosion of seed and topsoil but enough to allow air to circulate. Install per Method 1, Section 251, of the Standard Specifications for Road and Bridge Construction.

17. All areas of seed shall be by landscape architect and/or owner. Contractor shall assume maintenance responsibilities for a minimum of sixty (60) days or until second cutting, whichever is longer. Maintenance shall include watering, weeding, re-seeding (wash-offs), replacement and other operations necessary to keep lawn in a thriving condition. Upon final acceptance, owner shall assume all maintenance responsibilities. Where lawn areas have germinated, areas which fail to show a uniform stand of grass for any reason whatsoever shall be re-seeded or replaced with grass seed of the same type and quantity as a guarantee. Minimum acceptable seed rate shall be 10 lbs. per 1,000 sq. ft. Areas with dead spots, none of which are larger than one (1) square foot and when combined do not exceed 2% of total lawn area.

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



400 N. First Street Rockford, IL 61107
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New Building

for

Forest Preserves of Winnebago County

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1.	05-08-2025	Initial Layout
2.	08-07-2025	Schematic Design
3.	08-27-2025	Design Development
4.	10-17-2025	Final Owner Review Set
5.	10-27-2025	Issued for Bids / Permit

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BA Project No. 2025-09

Scale

1: 20

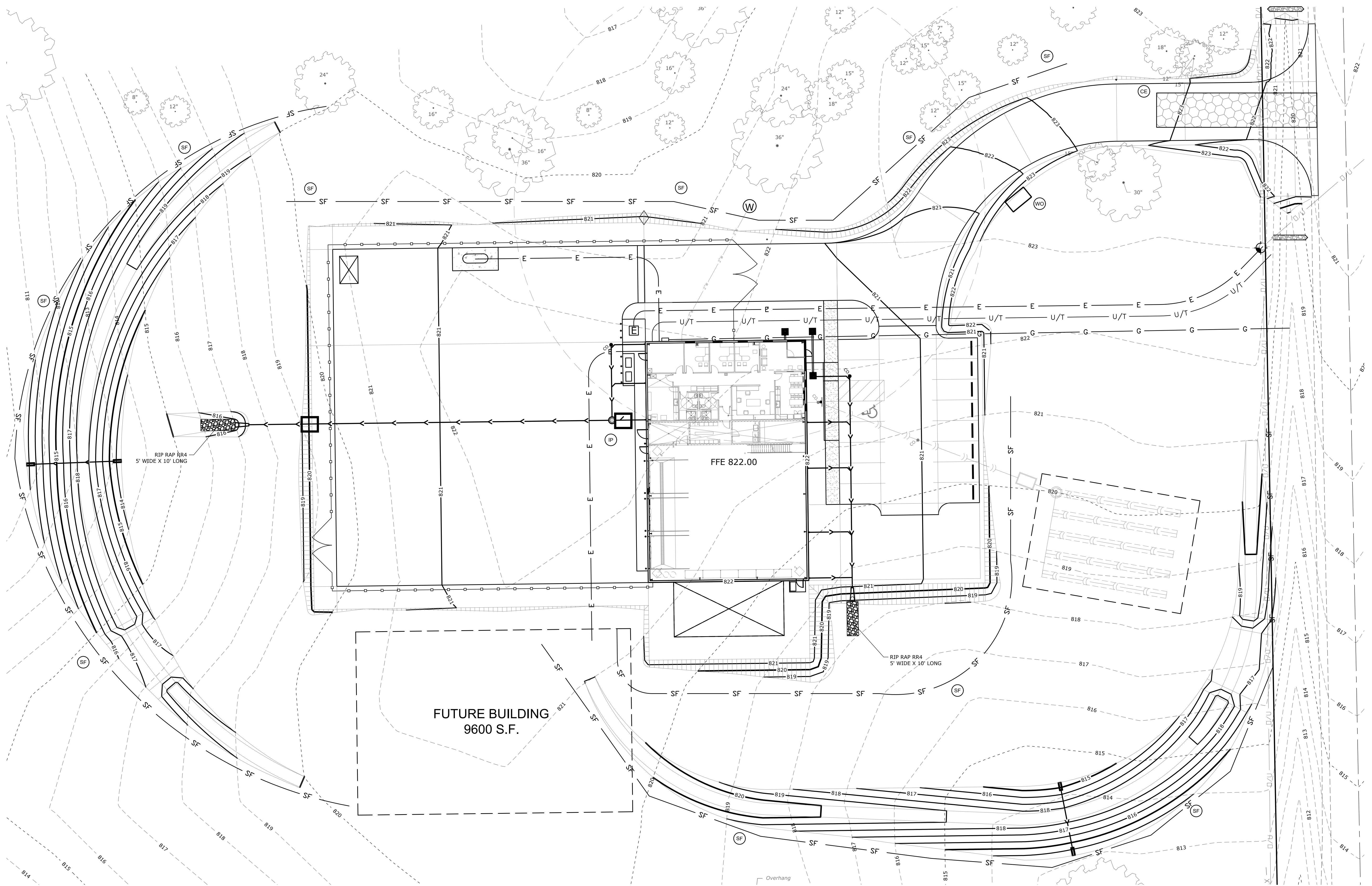
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SWPPP SITE MAP

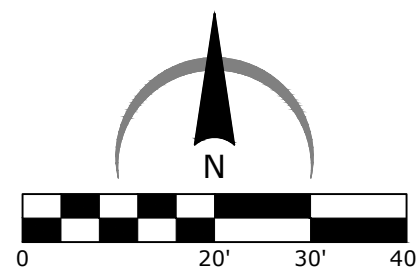
Ref. North

Sheet No.

C02

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

TOTAL DISTUBED AREA = 1.80 ACRES



ARC DESIGN
RESOURCES INC.

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BA Project No. 2025-09

Scale

1: 20

Sheet Title
EXISTING CONDITIONS
AND REMOVALS PLAN

Ref. North Sheet No.
C04

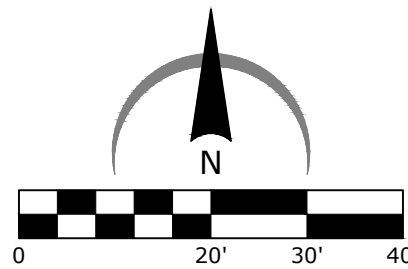
PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

LEGEND

	PROPERTY LINE
	LOT LINE
	EXISTING RIGHT-OF-WAY
	EXISTING EASEMENT LINE
	EXISTING CURB AND GUTTER
	REMOVE EXISTING CURB AND GUTTER
	EXISTING SANITARY SEWER TO REMAIN
	EXISTING STORM SEWER TO REMAIN
	EXISTING WATER TO REMAIN
	EXISTING OVERHEAD UTILITIES TO REMAIN
	EXISTING GAS MAIN TO REMAIN
	EXISTING FENCE TO REMAIN
	EXISTING CONTOUR LINE
	AREA TO BE CORED OUT FOR BUILDING FOUNDATION, PARKING LOT, SIDEWALKS, ETC.
	EXISTING WATER TO REMAIN
	EXISTING SIGN TO REMAIN
	BENCHMARK
	EXISTING LIGHT POLE TO REMAIN
	REMOVE EXISTING TREE
	EXISTING TREE TO REMAIN

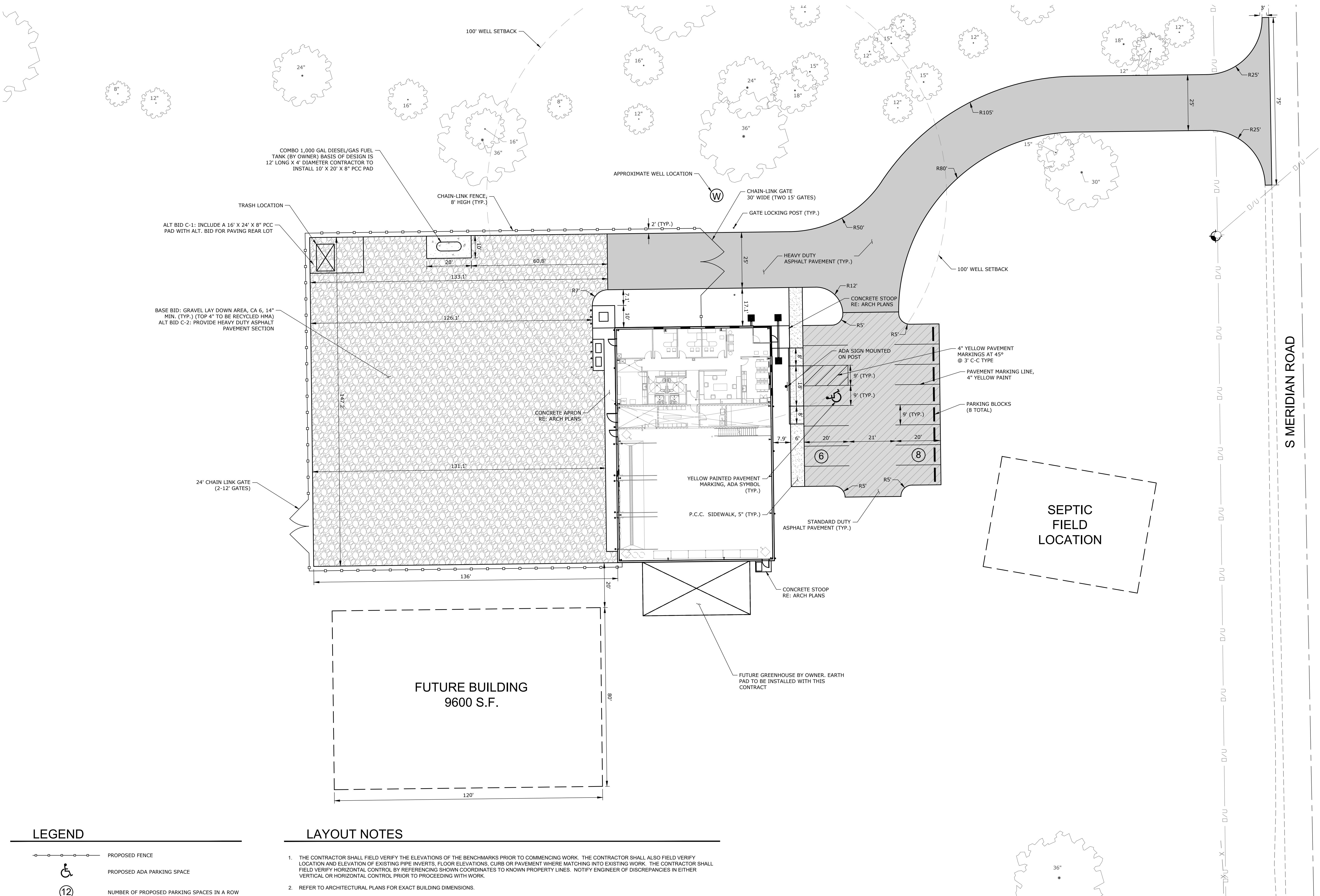
BENCHMARKS

DESCRIPTION	ELEVATION (USGS)
BENCHMARK 1 RAILROAD SPIKE IN POWER POLE	811.68
BENCHMARK 2 RAILROAD SPIKE IN POWER POLE	823.52



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LEGEND

	PROPOSED FENCE
	PROPOSED ADA PARKING SPACE
	NUMBER OF PROPOSED PARKING SPACES IN A ROW
	PROPOSED PARKING STALLS
	PROPOSED STANDARD DUTY ASPHALT PAVEMENT
	PROPOSED HEAVY DUTY ASPHALT PAVEMENT
	PROPOSED CONCRETE WALK

LAYOUT NOTES

- THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING PIPE INVERTS, FLOOR ELEVATIONS, CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
- REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
- DIMENSIONS THAT LOCATE THE BUILDING ARE MEASURED TO THE OUTSIDE FACE OF THE BUILDING.
- SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
- ALL RADII ARE DIMENSIONED TO THE BACK OF CURB.
- SOME FIELD ADJUSTMENTS MAY BE NECESSARY AT POINTS WHERE PROPOSED PAVEMENT, CURB AND SIDEWALKS MEET EXISTING PAVEMENT, CURB AND SIDEWALKS. REVIEW ANY REQUIRED CHANGES WITH ENGINEER PRIOR TO CONSTRUCTION OF WORK.
- ELECTRICAL CIRCUITRY TO SITE LIGHTING AND (PYLON/MONUMENT) SIGN SHOWN ON ARCHITECTURAL PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION, COORDINATION AND OBTAINING APPROVAL OF A TRAFFIC MANAGEMENT PLAN IF CLOSURES OF LANES EXCEED THE THE CRITERIA ESTABLISHED IN THE BDE MANUAL.

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New Building

for

Forest Preserves of
Winnebago County

Meridian Rd.,
Winnebago County, Illinois

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Sheet Title

LAYOUT PLAN

Ref. North

Sheet No.

C05

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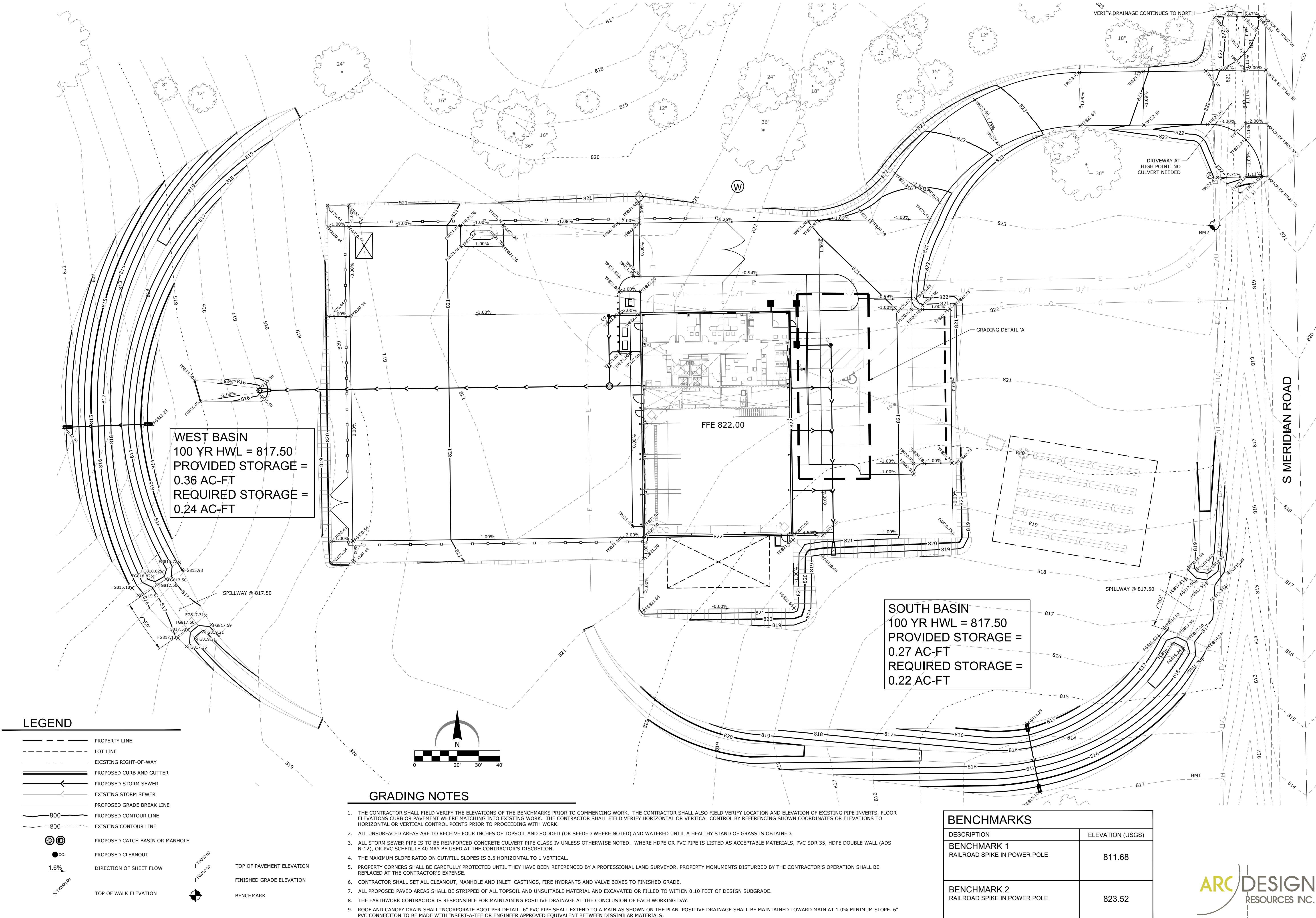
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Sheet Title
GRADING PLAN

Ref. North Sheet No.
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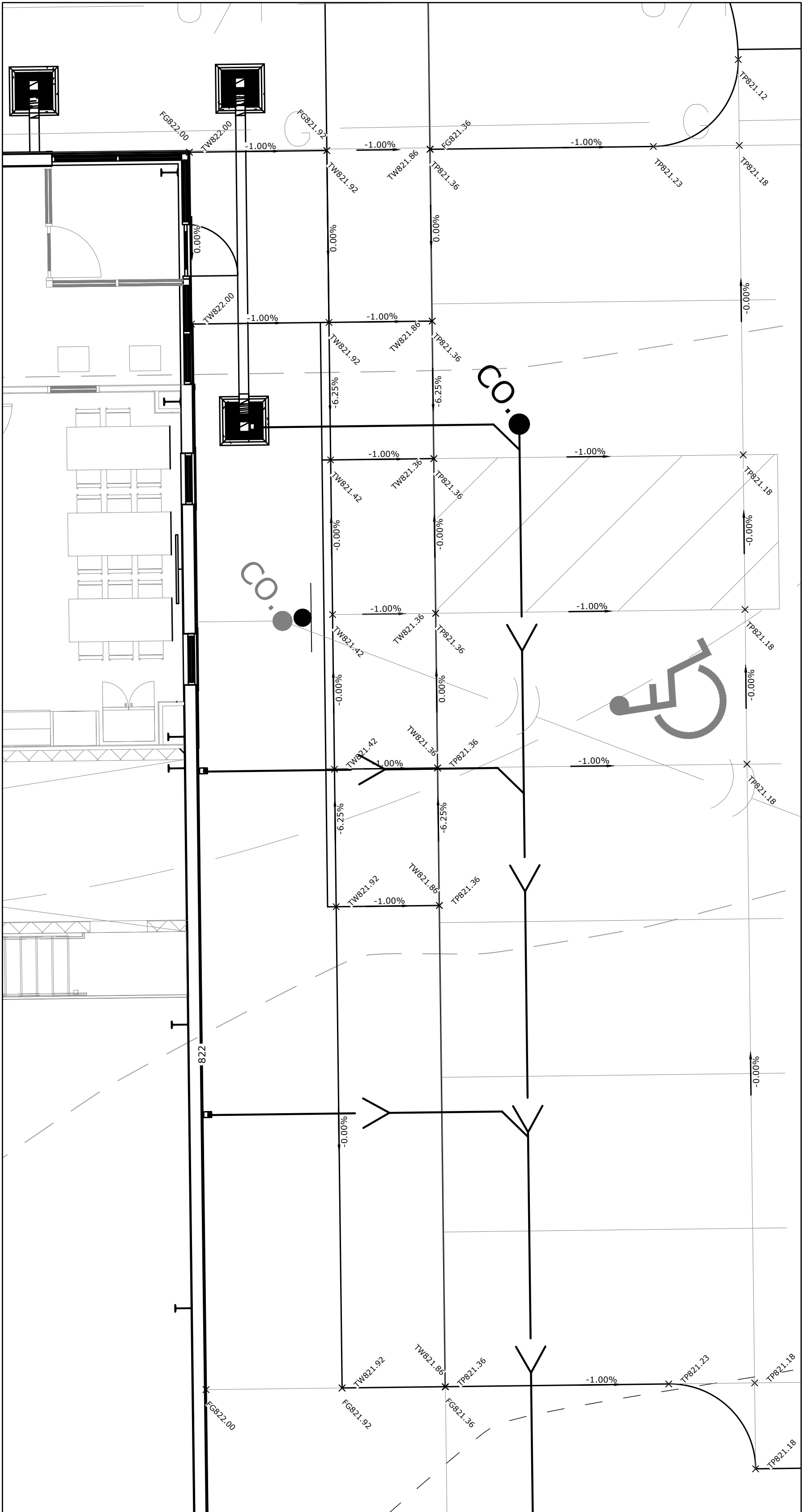
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Sheet Title
GRADING PLAN
DETAILS

Ref. North Sheet No.
C07

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GRADING DETAIL 'A'



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Sheet Title

DRAINAGE PLAN

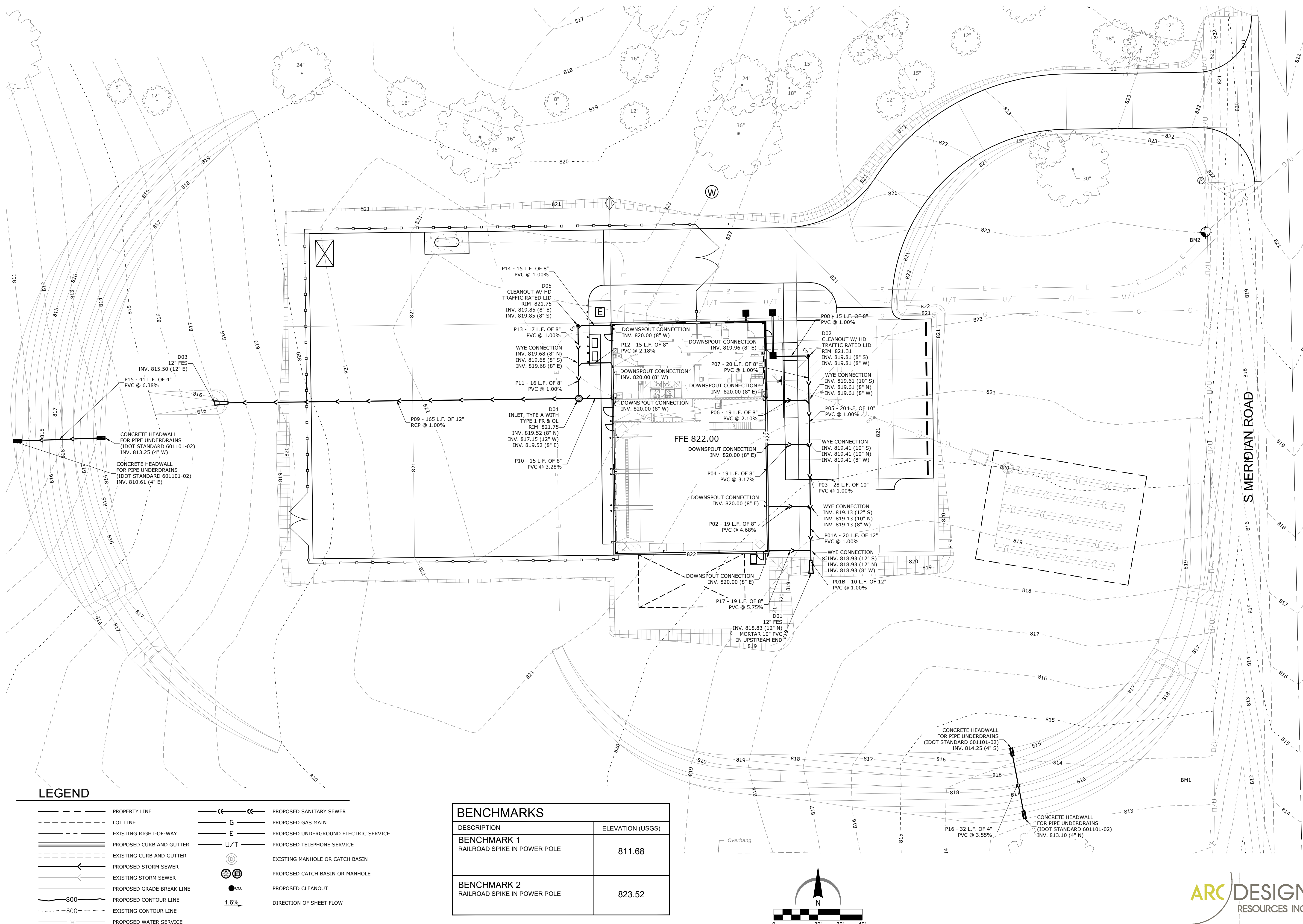
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Sheet Title

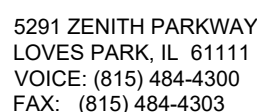
UTILITY PLAN

Ref. North

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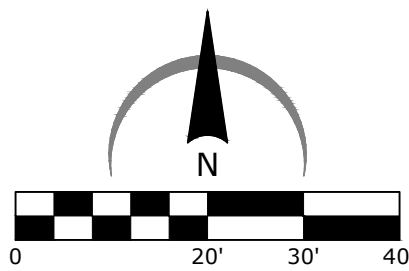
BENCHMARKS	
DESCRIPTION	ELEVATION (UGS)
BENCHMARK 1 RAILROAD SPIKE IN POWER POLE	811.68
BENCHMARK 2 RAILROAD SPIKE IN POWER POLE	823.52

SEPTIC SYSTEM NOTES

1. THE AREA IN WHICH THE SEPTIC SYSTEM WILL BE INSTALLED SHALL BE PROTECTED FROM HEAVY EQUIPMENT, EXCESSIVE DISTURBANCE, AND COMPACTON.
2. CAREFULLY REMOVE EXISTING VEGETATION WITHIN THE SEPTIC FIELD AREA. SHRUBS OR TREES WITH A MAIN STEM LARGER THAN 4" DIAMETER SHALL BE CUT AT THE GROUND SURFACE, AND THE REMAINING STUMPS SHALL BE GROUND TO A DEPTH OF 4'-6" MAXIMUM. SMALLER VEGETATION MAY BE UPROOTED.
3. THE SEPTIC FIELD HAS BEEN DETERMINED TO BE OUT OF A FLOOD HAZARD ZONE.
4. THE SEPTIC TANK MUST HAVE AN ACCESS MANHOLE RISEN EXCEEDING TO THE GROUND SURFACE.
5. SEWER PIPES SHALL BE 4" PVC SCHEDULE 40 OR CAST IRON. HEADER LINES SHALL BE 4" PVC SCHEDULE 40.
6. THE SEPTIC FIELD PIPE SHALL BE PERFORATED SEPTIC PIPE MEETING ASTM F810 STANDARD AND WINNEGAGO COUNTY SEPTIC CODES.
7. FILL CONSTRUCTION METHODS AND MATERIALS SHALL ALSO COMPLY WITH LOCAL PUBLIC HEALTH ORDINANCES.
8. CONTACT J.U.L.I.E. PRIOR TO CONSTRUCTION TO CONFIRM UNDERGROUND UTILITY CLEARANCE AND DEPTH.
9. NO POOLING WATER IS ALLOWED ABOVE THE SEPTIC FIELD UPON COMPLETION.
10. CLEAR WATER FROM THE BUILDING SUCH AS CONDENSATE DRAIN LINES OR FOUNDATION DRAINS SHALL NOT BE DISCHARGED TO THE SEPTIC SYSTEM.
11. SEED AND FERTILIZE THE TOPSOIL FILL OVER THE SEPTIC FIELD. WATER UNTIL A HEALTHY STAND OF GRASS IS IN PLACE.
12. CONTACT WINNEGAGO COUNTY DEPARTMENT OF HEALTH FOR ALL REQUIRED FIELD OBSERVATIONS PRIOR TO BACKFILLING OR COMPLETION OF THE SYSTEM.
13. DESIGN NOTES:
 - a. NO PRIVATE WATER WELLS ARE LOCATED WITHIN 100' MEASURED RADIALLY FROM THE MOST NORTH PERIMETER OF THE SEPTIC FIELD.
 - b. ESTIMATED HYDRAULIC LOADING RATE AT THE SOIL CLASSIFIER AT DESIGN DEPTH IS 0.52 GALLONS PER SQUARE FOOT PER DAY. ALL FOUR BORINGS SHOW SOIL WITH THE SAME CHARACTERISTICS.
 - c. THE ESTIMATED DAILY FLOW IS 425 GALLONS PER DAY.
 - d. 425 GPD @ 0.52 GPD/SF = 817.31 SQUARE FEET OF ABSORPTION AREA. USE 820 SQUARE FEET.
 - e. 820SF / 3' WIDE TRENCH BOTTOM WIDTH = 273.3 LINEAL FEET OF TRENCH. USE 275 FEET OF TRENCH.
 - f. 5 RUNS OF 55' EACH RESULTS IN 275 FEET OF TRENCH. SEE PLAN FOR LOCATIONS AND PIPE ELEVATIONS.

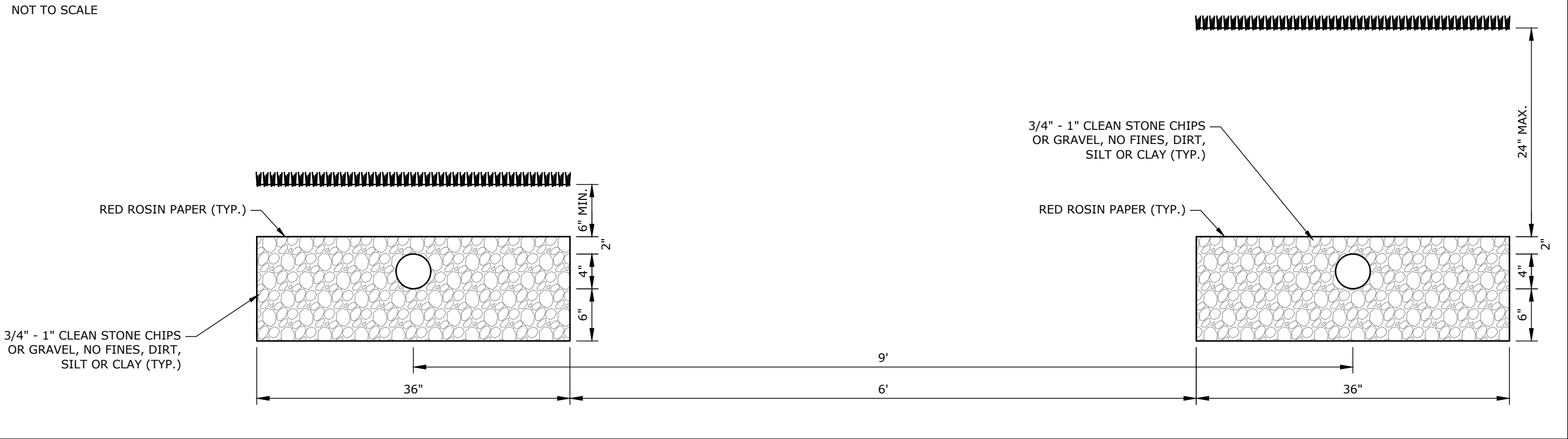
ESTIMATED WASTEWATER FLOWS

Flow Source	quantity	units	flow rate (gpd per unit)	total flow
employees	15	each	15	225
misc work room / sink waste	1	each	100	100
visitors	20	each	5	100
		Total anticipated waste flows		425



SEPTIC LAYOUT DETAIL

NOT TO SCALE



LEGEND

	PROPERTY LINE		PROPOSED SANITARY SEWER
	LOT LINE		PROPOSED GAS MAIN
	EXISTING RIGHT-OF-WAY		PROPOSED UNDERGROUND ELECTRIC SERVICE
	PROPOSED CURB AND GUTTER		PROPOSED TELEPHONE SERVICE
	PROPOSED STORM SEWER		EXISTING MANHOLE OR CATCH BASIN
	EXISTING STORM SEWER		PROPOSED CATCH BASIN OR MANHOLE
	PROPOSED GRADE BREAK LINE		PROPOSED CLEANOUT
	PROPOSED CONTOUR LINE		DIRECTION OF SHEET FLOW
	EXISTING CONTOUR LINE		
	PROPOSED WATER SERVICE		

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New Building

for

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Meridian Rd.,
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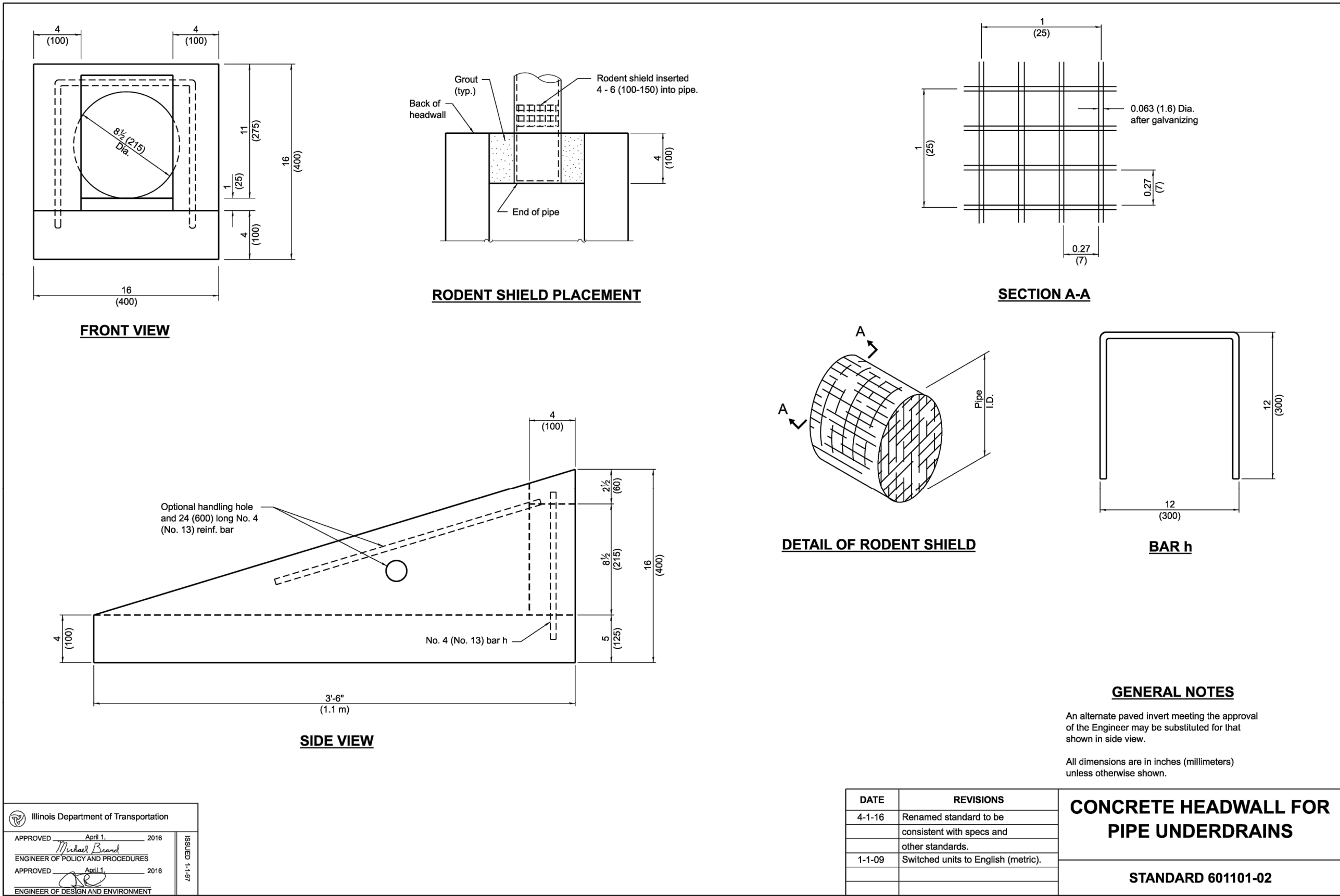
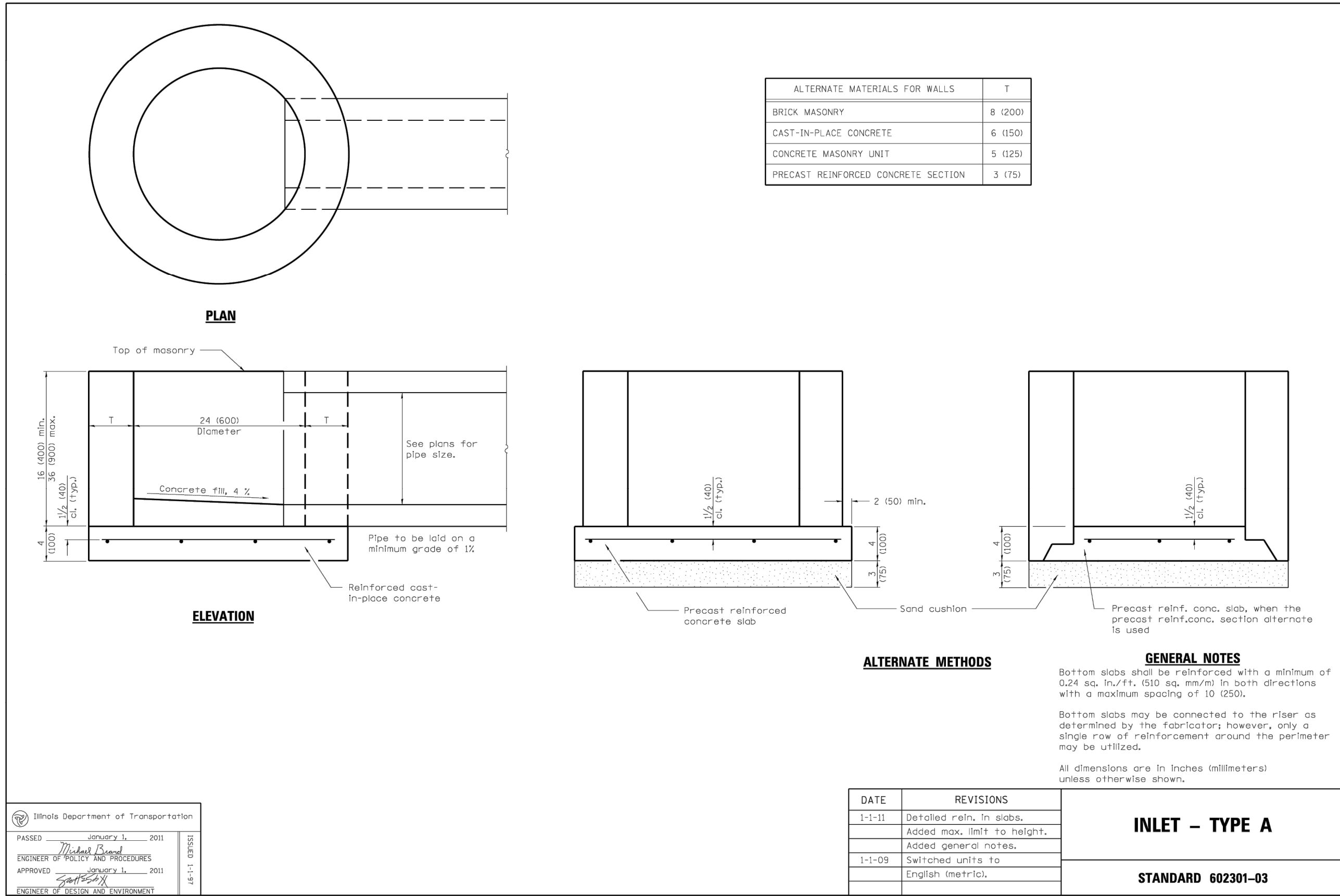
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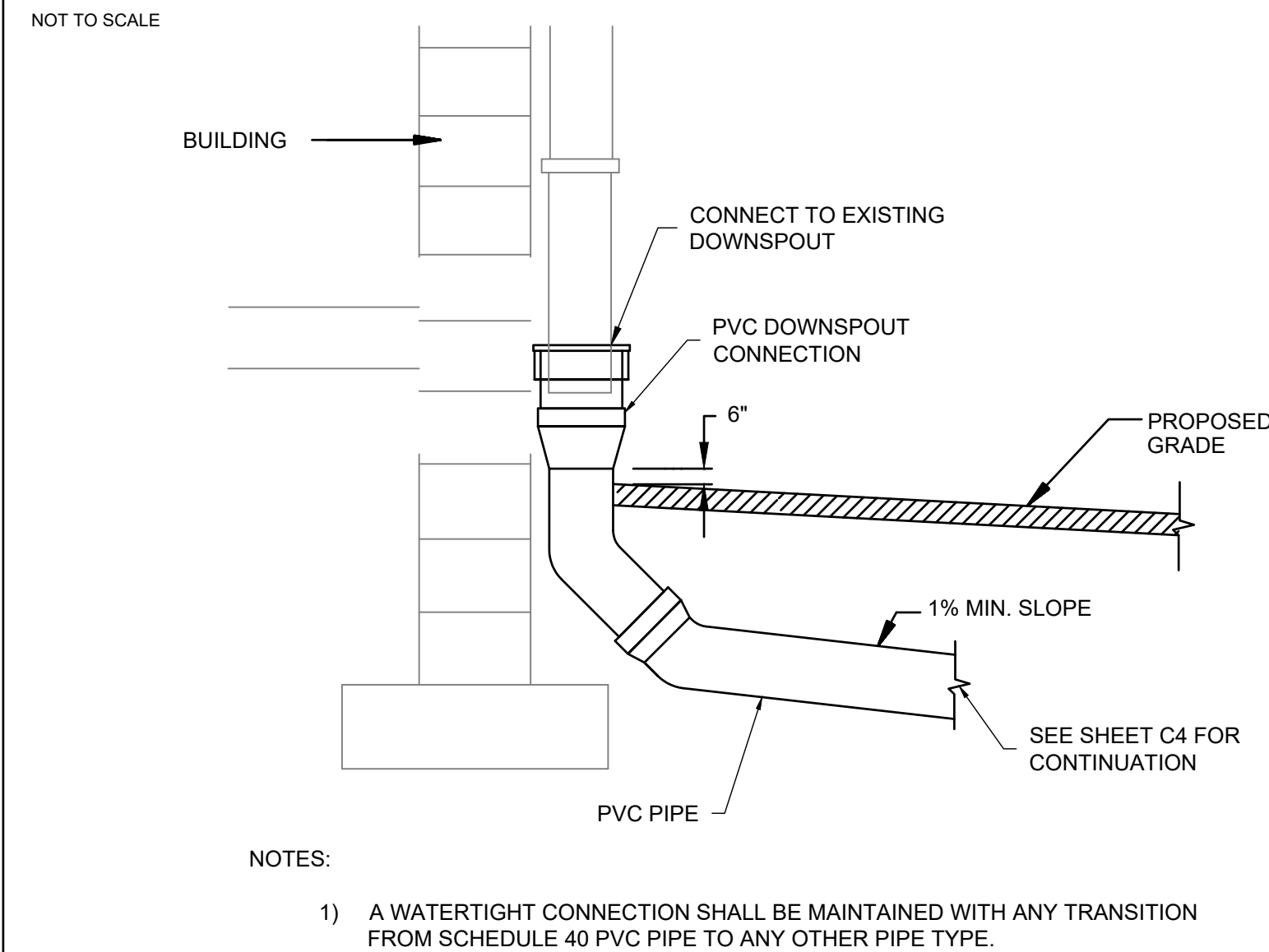
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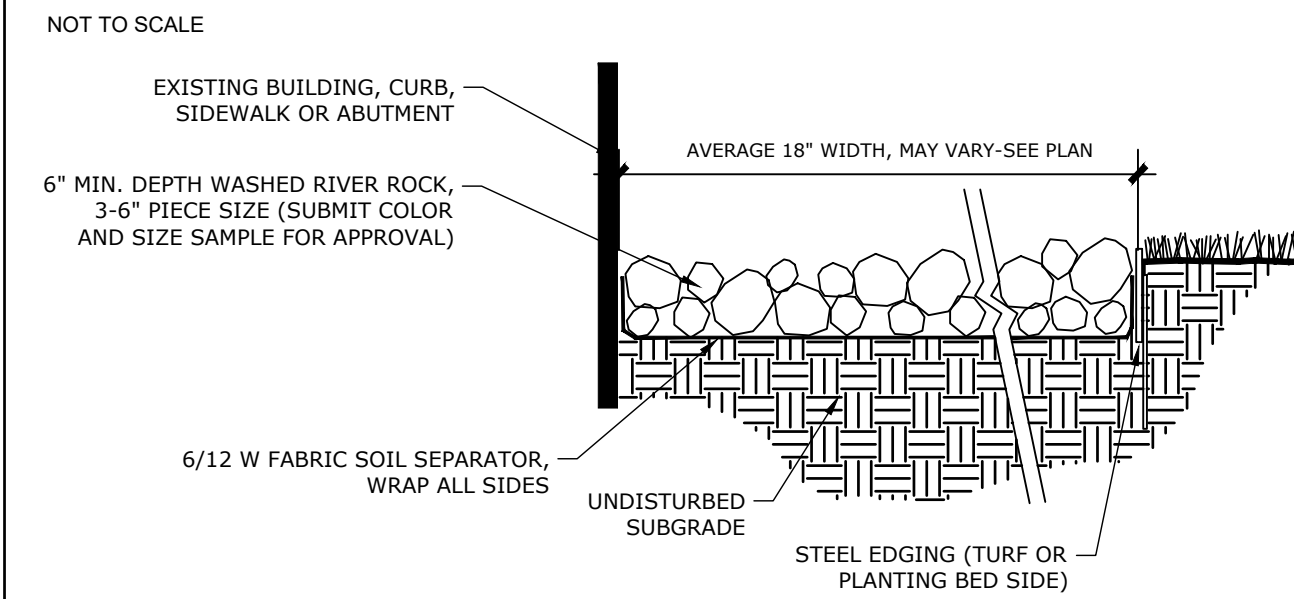
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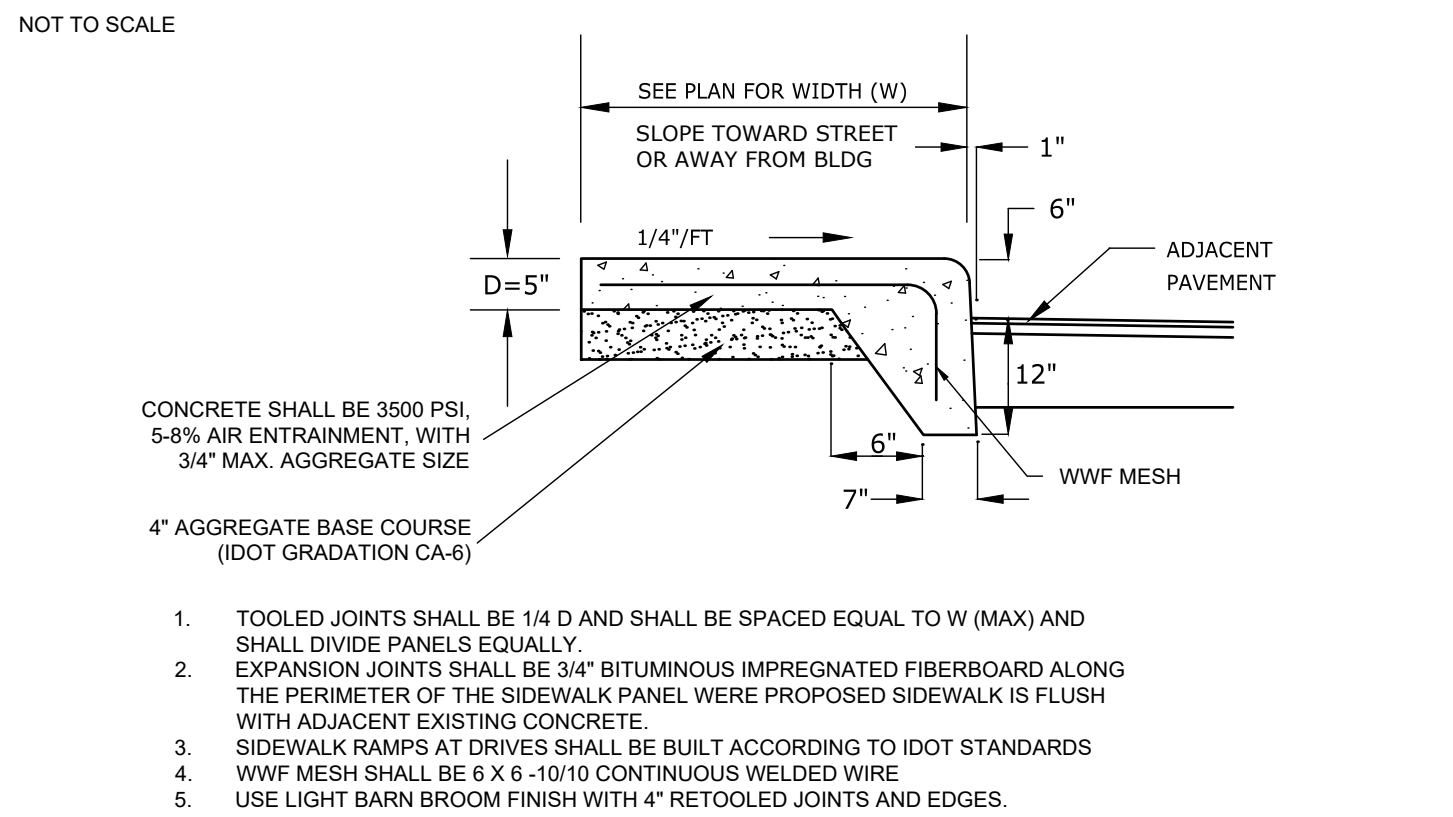
EXTERIOR DOWNSPOUT CONNECTOR DETAIL



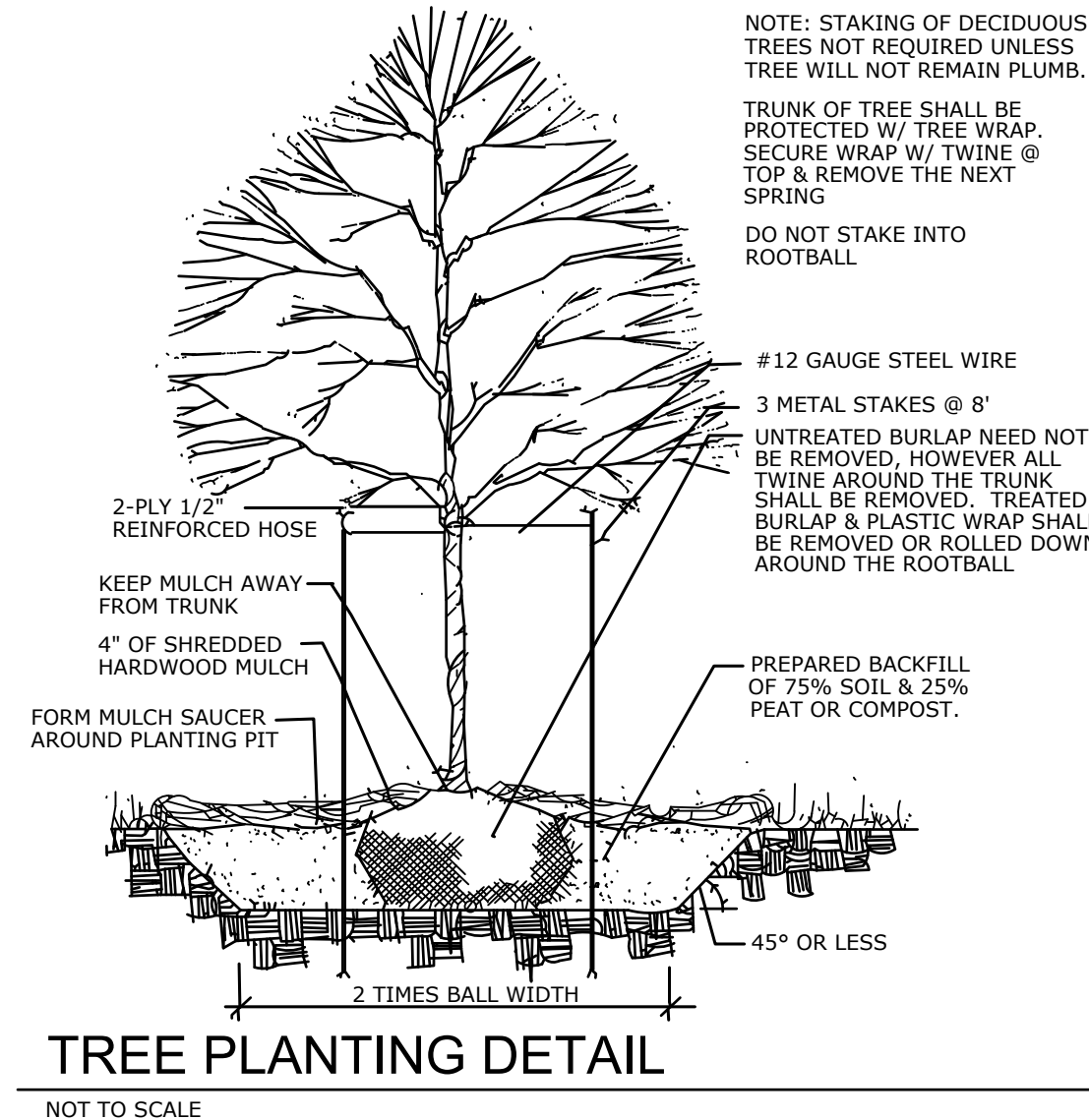
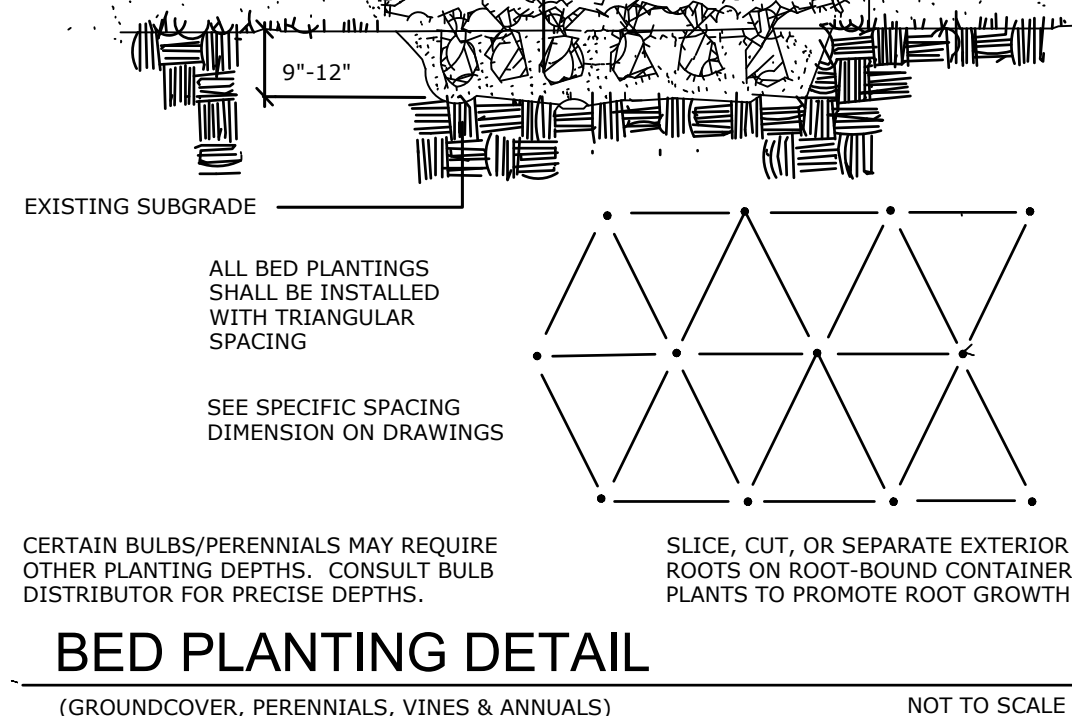
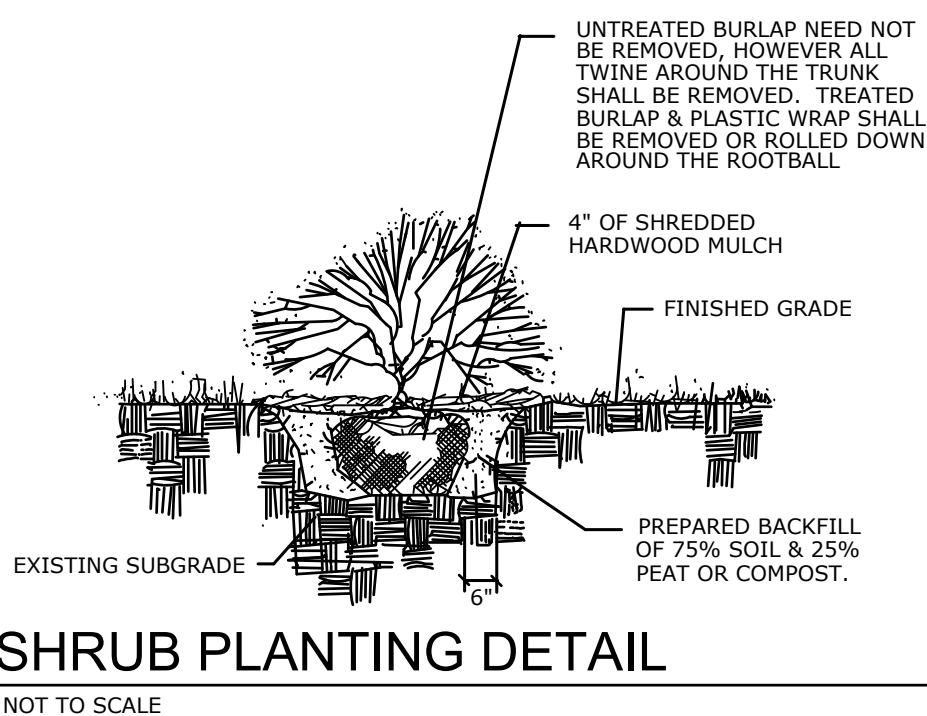
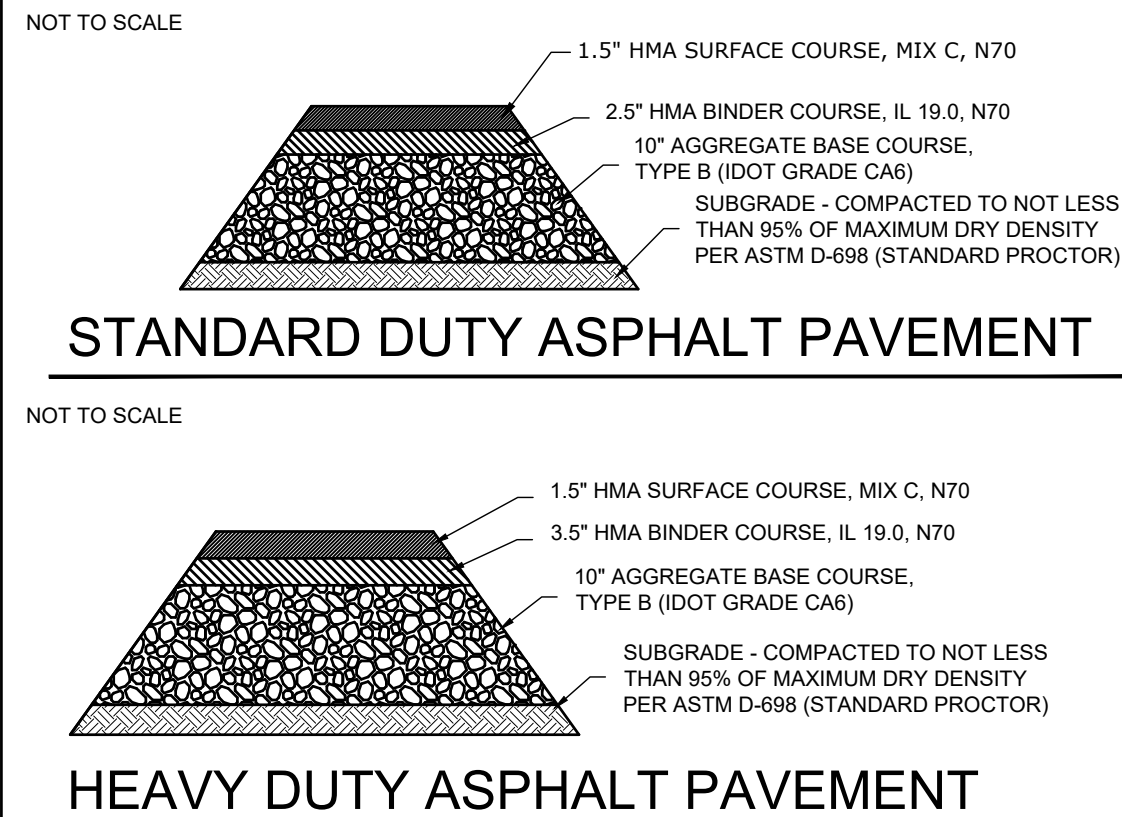
STONE EDGE DETAIL



THICKENED EDGE SIDEWALK DETAIL



PAVEMENT DETAILS





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LANDSCAPE PLAN

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Sheet No

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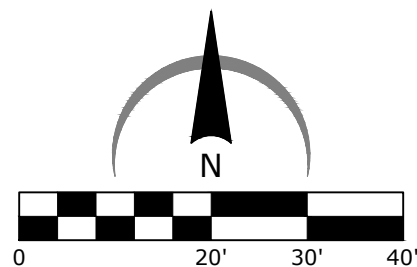
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PLANTING NOTES

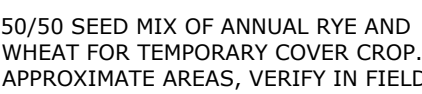
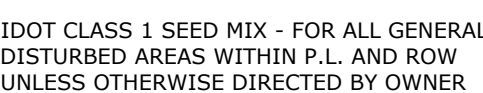
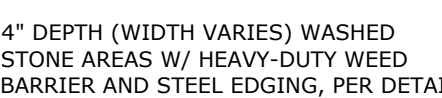
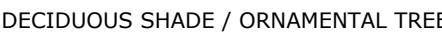
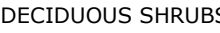
1. Landscape Contractor (Contractor) shall make a site visit prior to bidding/construction to inspect the current site conditions and review proposed planting plan and related work. Contractor shall report any discrepancies in the field to the Landscape Architect and/or Owner.
2. Contractor shall submit an underbidding proposal for beginning construction on his phase of work. Electric, gas, telephone, and cable television can be located by calling J.U.L.I.E. at '811'. For regional locating, contact "Digger's Hotline". Any damage or interruption of services shall be the responsibility of the contractor. Contractor to coordinate all related activities with other trades on the job site. Contractor shall report any unacceptable job condition to the owner's representative prior to commencing work.
3. For details pertaining to Utilities, Easements, Grading, Retaining Walls, Layout, Geometry, Wetland/Flood Plain Delineations, etc., or other trades refer to Architectural and Civil Engineering plans and/or owner.
4. Contractor is responsible for application and cost of all necessary building permits and code verifications. Submit copies of all documents to owner and landscape architect.
5. Contractor shall grade and install seed to correct surface irregularities in preparation of seed/seed. Roto-till, grade, harrow or hand rake seed grade to a depth of 2" in areas to be seeded and remove construction debris, foreign matter or stones larger than 2". Grading shall provide slopes which are smooth, continuous, free from depressions or ripples. Level, rake and roll as necessary to an even and true condition and obtain positive drainage in all areas. Final grades shall meet the approval of owner prior to lawn installation.
6. All disturbed areas are to receive minimum 6" of topsoil and be finished with mulch, straw mulch, seed, sod, etc. or as noted. All lawn areas to be watered until a healthy stand of grass is established. (see seed list for details for water requirements)
7. Quantity lists are supplied as a convenience; however, the contractor should verify all quantities. The drawings shall take precedence over the lists.
8. Plantings may need to be adjusted in the field to accommodate utilities, easements, drainage ways, "humps/dips" etc.; however, quantities and sizes shall remain consistent with these plans.
9. Seed & grading standards of plant material shall conform to the latest addition of ANSI Z60.1 AMERICAN STANDARD OF NURSERY STOCK, by the American Nursery & Landscape Association. Plant material shall be nursery grown and be either balled and burlap or container grown.
10. All seedlings supplied by the contractor shall be inspected by the landscape architect and/or owner. Any substitutions must be approved by the landscape architect and/or owner. Any plant materials with damaged or crooked/disfigured leaders, bark abrasion, sun scald, insect damage, etc. are not acceptable and will be rejected by Landscape Architect and/or Owner. Trees with root collar girdling or other defects shall be rejected by the landscape architect and/or owner.
11. Upon inspection and acceptance of all landscape items by Landscape Architect and/or Owner the contractor shall assume maintenance responsibilities for a period of thirty (30) days, for all plant material, to include: watering, cultivating, weeding, pruning, mulching and spraying as necessary to keep plants free of insects and in a healthy, vigorous condition until responsibility is transferred to the owner (see below).
12. All plant material shall be guaranteed for one (1) year after acceptance by landscape architect and/or owner. After the first thirty (30) days, the owner shall assume maintenance responsibilities as described (see above). Contractor shall replace without cost to owner any dead or unacceptable plants, as determined by the landscape architect and/or owner, during the one year period. Contractor shall notify immediately, in writing, any concerns related to maintenance practices.
13. Planting edge delineation at all planting beds and tree saucers shall require a minimum 4" depth flexible/rigid steel edging with spikes a minimum of every 4' on center and two spikes at all lapped joints, continuous, being installed at the time of the initial installation.
14. All planting beds and tree saucers shall be mulched continuous with 3" depth shredded hardwood mulch, see planting details. All deciduous trees (shade / ornamental) that are not located in a planting bed shall be mulched with a 3'-0" diameter circle. Evergreen trees shall be mulched to outer-most branches at the time of installation.
15. Contractor to install washrock around the new building foundation as shown on plans. The rock is to be washed/clean, a minimum of 2'-3" mixed in size, and installed to a depth of 5" over heavy-duty woven fabric barrier fabric, wrapped all sides continuous. All perimeter rock areas adjacent to turf lawns are to be installed to a depth of 3" and seeded with metal stakes a maximum of 6"-0" on center.
16. Contractor to seed all general disturbed lawn areas as indicated on plan. Seed mix shall be IDOT Class 1 seed mix, or approved equal. Seed mix to be a combination of bluegrass, perennial ryegrass and fescue with the suggested following analysis by weight: 30% rough Kentucky bluegrass, 20% park Kentucky bluegrass, 10% perennial ryegrass, 10% tall fescue hard fescue, and 10% perennial ryegrass. Seed to be applied at a rate of 4 lbs. per 1,000 S.F. All seeded lawn areas shall be covered with straw mulch or erosion control netting (netting only necessary for sloped or depressed areas), consisting of hand or machine application at a rate of 100 lbs. per 1,000 S.F. to be applied in order to reduce erosion of seed and topsoil but loose enough to allow air to circulate. Install per Method 1, Section 251.2, of the Standard Specifications for Road and Bridge Construction.
17. Contractor to seed all future native areas (approximate) as noted on plans with a 50/50 mix of annual ryegrass and wheat seed for temporary cover crop. Owner to provide and install final native prairie or other seed mix.
18. Acceptance of grading and seed shall be by landscape architect and/or owner. Contractor shall assume maintenance responsibilities for a minimum of sixty (60) days or until second cutting, whichever is later. Maintenance responsibilities shall include: watering, weeding, pruning, mulching and spraying and other operations necessary to keep lawn in a thriving condition. Upon final acceptance, owner shall assume all maintenance responsibilities. After lawn areas have germinated, areas which fail to show a uniform stand of grass for any reason whatsoever shall be re-seeded or replaced repeatedly until all areas are covered with a uniform stand of grass. Areas that are not covered with a uniform stand of grass scattered bare or dead spots, none of which are larger than one (1) square foot and when combined do not exceed 2% of total lawn area.

13. All plant material shall be guaranteed for one (1) year after acceptance by landscape architect and/or owner. After the first thirty (30) days, the owner shall assume maintenance responsibilities as determined by the landscape architect. The guarantee period shall be for all plants, as determined by the landscape architect at the end of one (1) year guarantee period. Contractor shall notify immediately, in writing, any concerns related to maintenance practices.
16. Planting edge delineation at all planting bed lines and tree saucers shall require a minimum 4" depth of mulch. The mulch shall be applied to all planting beds and tree saucers, two spikes at all lap joints, continuous, between lawn and mulched areas as indicated on plans.
17. All planting beds and tree saucers shall be mulched continuous with 3" depth shredded hardwood mulch, see planting details. All deciduous trees (shade / ornamental) that are not located in a planting bed shall be mulched with a 3" depth mulch around the trunk circle. Evergreen trees shall be mulched to outer-most branches at the time of installation.
18. Contractor to install washed rock along the new building foundation as shown on plans. The rock is to be washed/clean, a minimum of 2"-3" mixed in size, and installed to a depth of 5", over heavy-duty landscape fabric. The rock shall be applied to all planting beds and tree saucers, two spikes at all lap joints and planting beds are to be edged with a 4" steel edging with metal stakes a maximum of 4'-0" on-center.
19. Contractor to seed all general disturbed lawn areas as indicated on plan. Seed mix shall be IDOT Class 1 seed mix, or approved equal. Seed mix to be a combination of bluegrass, perennial ryegrass and fescue. Kentucky Bluegrass suggested analysis by weight: 30% roughy Kentucky bluegrass, 20% park fescue, 20% tall fescue, 30% creeping red fescue. Seed shall be applied at a rate of 1/4 lb. per 1,000 s.f. All seeded lawn areas shall be covered with straw mulch or erosion control netting (netting only necessary for sloped or depressed areas), consisting of heavy machine spun polypropylene at a rate of 100 lbs. per 1,000 s.f. The straw or netting shall be applied to erosion seed and topped with 2" of loose soil to allow for seed to germinate. (see Section 251, of the Standard Specifications for Road and Bridge Construction.
20. Contractor to seed all future native areas (approximate) as noted on plans with a 50/50 mix of annual ryegrass or wheat seed for temporary cover crop. Owner to provide and install final native prairie or other seed mix.
21. Acceptance of grading and seed shall be by landscape architect and/or owner. Contractor shall assume maintenance responsibilities for a minimum of sixty (60) days or until second cutting, whichever is longer. Maintenance shall include watering, weeding, re-seeding (wash-offs), replacement (sod) and any other maintenance necessary to maintain the lawn level. After acceptance, the owner shall assume all maintenance responsibilities. After lawn areas have germinated, areas which fail to show a uniform stand of grass for any reason whatsoever shall be re-seeded or replaced repeatedly until all areas are covered with a satisfactory stand of grass. Minimum acceptance of seeded lawn areas may be determined by the landscape architect. Areas which are larger than one (1) square foot and when combined do not exceed 2% of total lawn area.

ALL PLANTINGS SHOWN ARE
FOR REFERENCE, OWNER TO
SELF-PERFORM PLANT
SELECTIONS AND
INSTALLATION, TYP.



LEGEND





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for

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Meridian Rd.,
Winnebago County, Illinois

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Scale

As indicated

Sheet Title

CODE SYNOPSIS

Ref. North

Sheet No.



CODE 1

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

APPLICABLE CODES AND STANDARDS

BUILDING:
-2015 ICC (IBC) International Building Code (with local amendments)
-2015 ICC (IEBC) International Existing Building Code (with local amendments)

FIRE PREVENTION:
-2015 ICC (IFC) International Fire Code (Adopted)

MECHANICAL / PLUMBING:
-2015 ICC (IMC) International Mechanical Code (with local amendments)
-2015 ICC (IFGC) International Fuel Gas Code (with local amendments)
-2014 IDPH (ILPC) Illinois Plumbing Code (with local amendments)

ELECTRICAL:
-2014 NFPA 70 (NEC) National Electrical Code (with local amendments)

ENERGY CODE:
-2021 International Energy Conservation Code (with State amendments)

ACCESSIBILITY CODE:
-2018 State of Illinois Accessibility Code
-2010 ADA Standards for Accessible Designs

LIFE SAFETY CODE:
-2015 NFPA 101 Life Safety Code (with local amendments)
-2010 NFPA 101 Life Safety Code (with local amendments)

OTHERS:
-All those codes & standards [i.e. NFPA 13, NFPA 72, etc.] included by reference by the codes listed above.

NOTES:

1. Guide of the American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE).
2. The standards, regulations, and requirements of OSHA, EPA, National Consumer Protection Agency, and any other public utility servicing the community.
3. Exceptions and amendments to above codes and standards adopted by Winnebago County.
4. Provide fire extinguishers, smoke detectors and all other life safety devices as required by code. All locations to be approved by Blakemore Architects.
5. Winnebago County Zoning Ordinance.

CODE SYNOPSIS (2015 IBC)

TYPE OF PROJECT:	NEW CONSTRUCTION
CONSTRUCTION TYPE (PER 602.1):	2B
USE GROUP (PER 302.1):	B (BUSINESS) S-2 (LOW-HAZARD STORAGE)
REQUIRED SEPARATION OF OCCUPANCIES (PER T508.4):	2 HR FIRE BARRIER
ALLOWABLE BUILDING HEIGHT (PER T504.3):	55'-0" Max
ACTUAL BUILDING HEIGHT:	22'-10"
ALLOWABLE # OF STORIES (PER T504.4):	3 Story Max
ACTUAL # OF STORIES:	1 Total W/ Mezzanine
ALLOWABLE AREA (PER T506.2):	23,000 S.F. (NON-SPRINKLERED)
ACTUAL BUILDING AREA (EXISTING):	7,350 S.F. (MAIN FLOOR) 686 S.F. (MEZZANINE) 8,036 S.F. (TOTAL)
OCCUPANT LOAD (PER 1004) - SEE FLOOR PLAN (TOTAL):	67 OCC. MAX. (PER CALC'S)
- PARKING GARAGE @ 200 SF GROSS	20 OCC. (PER ACTUAL EMPLOYEE COUNT)
- ACC. STORAGE / MECHANICAL @ 300 SF GROSS	
- BUSINESS AREA @ 150 SF GROSS	
- LOCKER ROOMS @ 50 GROSS	
EGRESS SIZE MIN. AT STAIRS (PER 1005.3.1):	38" (ACTUAL)
MIN. NUMBER OF EXITS REQ. (T1008.3.2):	2 EXITS
MAX EXIT ACCESS TRAVEL DISTANCE (T1017.2): (PER OCC. TYPE S-2, W SPRINKLER SYSTEM)	200 FEET
AUTOMATIC SPRINKLER SYSTEM (PER 903.2):	N/A (Not required per 903.2.10)
PORTABLE FIRE EXTINGUISHERS (PER 906.1):	See Floor Plan
FIRE ALARM & DETECTION SYSTEM (PER 907.2):	Per NFPA 72

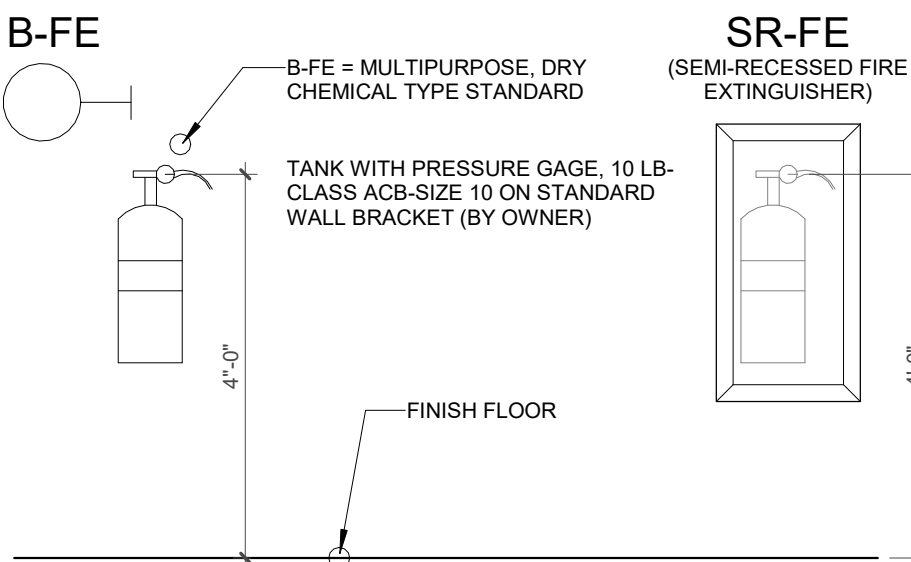
RESTROOM COUNT: Minimum Required # of Fixtures (IPC Appendix 890, TABLE B):
Required fixture count based on 20 EMPLOYEES MAX ACTUAL COUNT.

	Required			Actual		
	Male	Female	Unisex	Male	Female	Unisex
Water Closet:	1	1	0	0	0	2
Urinal:	0	0	0	0	0	0
Lavatory:	1	1	0	0	0	2

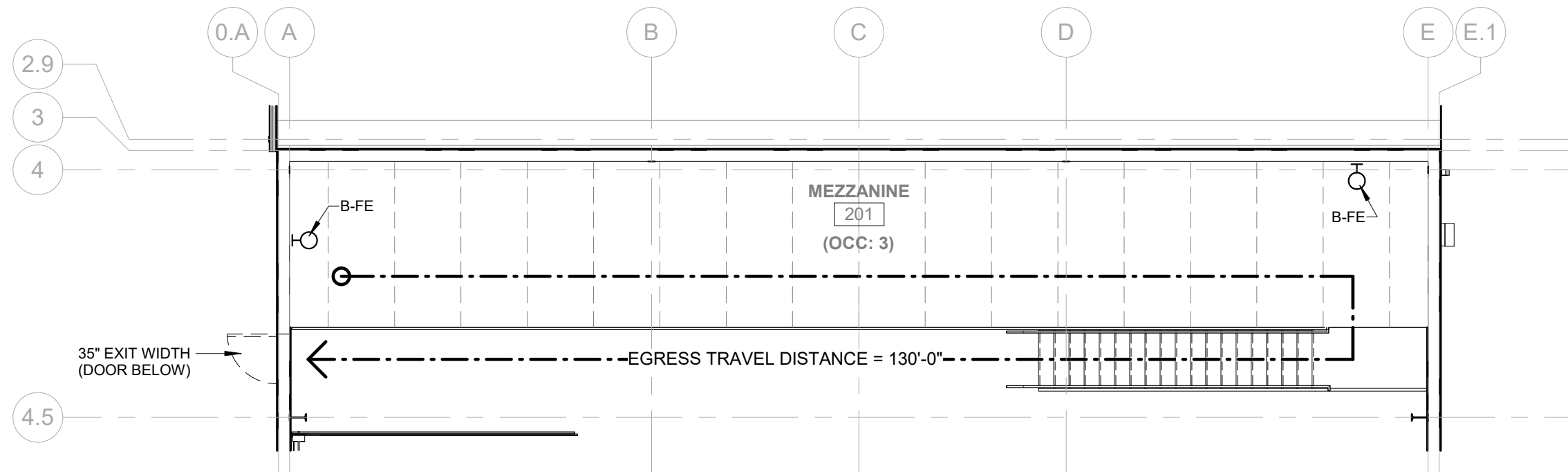
Bathrooms/Shower:
*Drinking fountain/bottled water dispenser:
Other Fixtures:

(2) Unisex Showers
Bottled Water
(3) Utility Sink
(2) "Kitchen" Sink

FIRE EXTINGUISHER MOUNTING HEIGHTS: NTS



1 CODE SYNOPSIS 1/8" = 1'-0"



2 MEZZANINE LEVEL CODE SYNOPSIS 1/8" = 1'-0"



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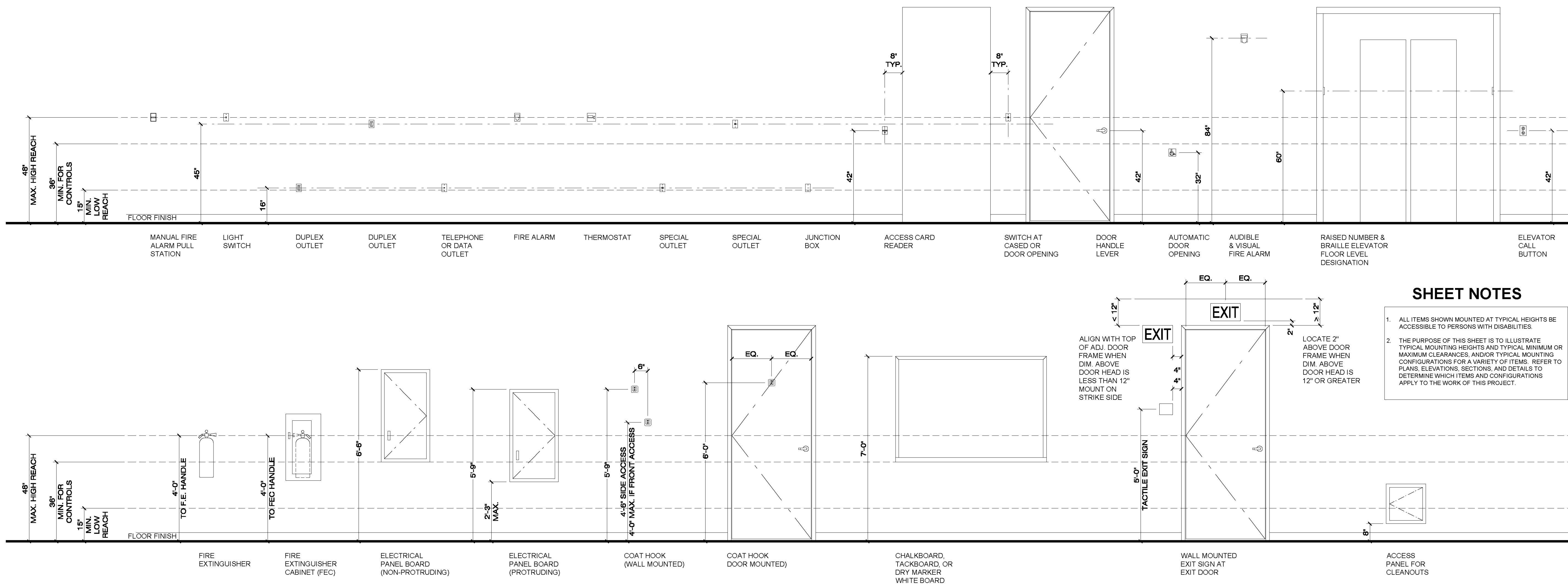
Sheet Title

ADA STANDARDS

Ref. North	Sheet No
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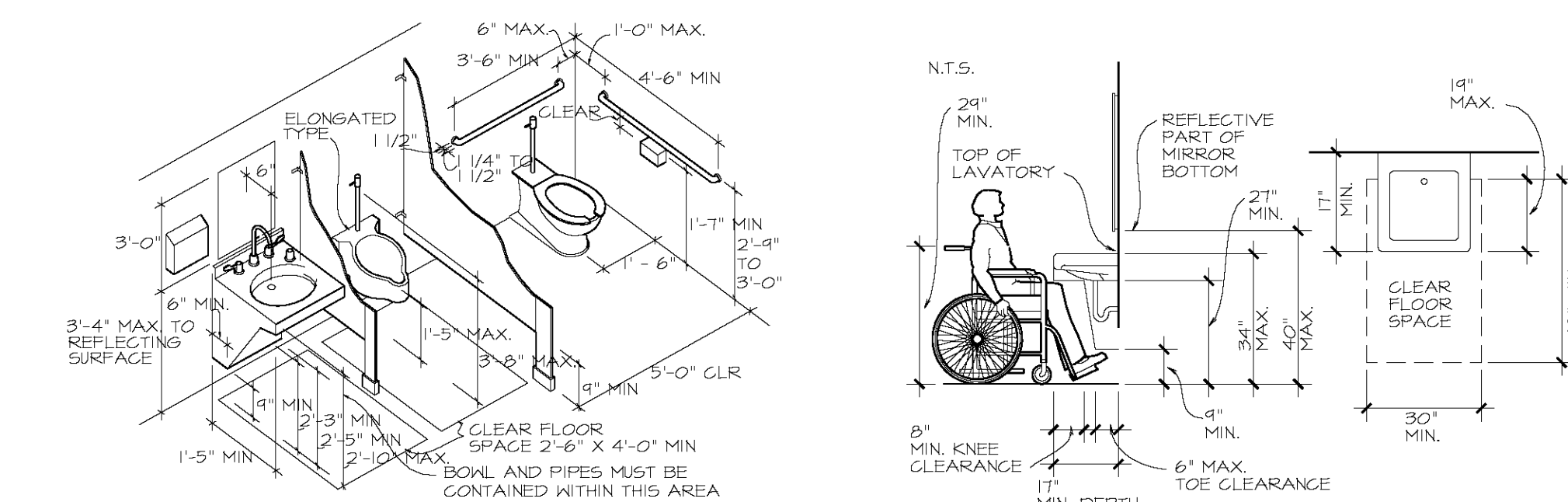
CODE 2

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184-003342

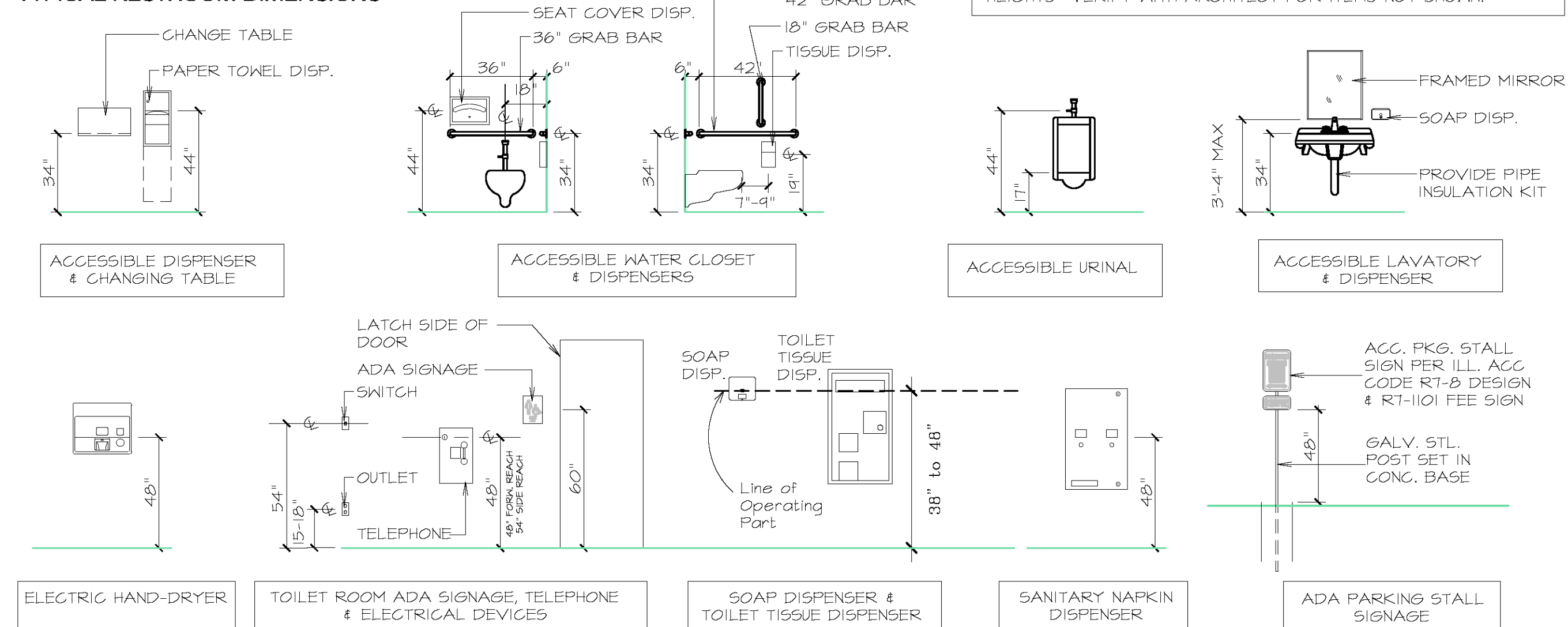


TYPICAL MOUNTING HEIGHTS

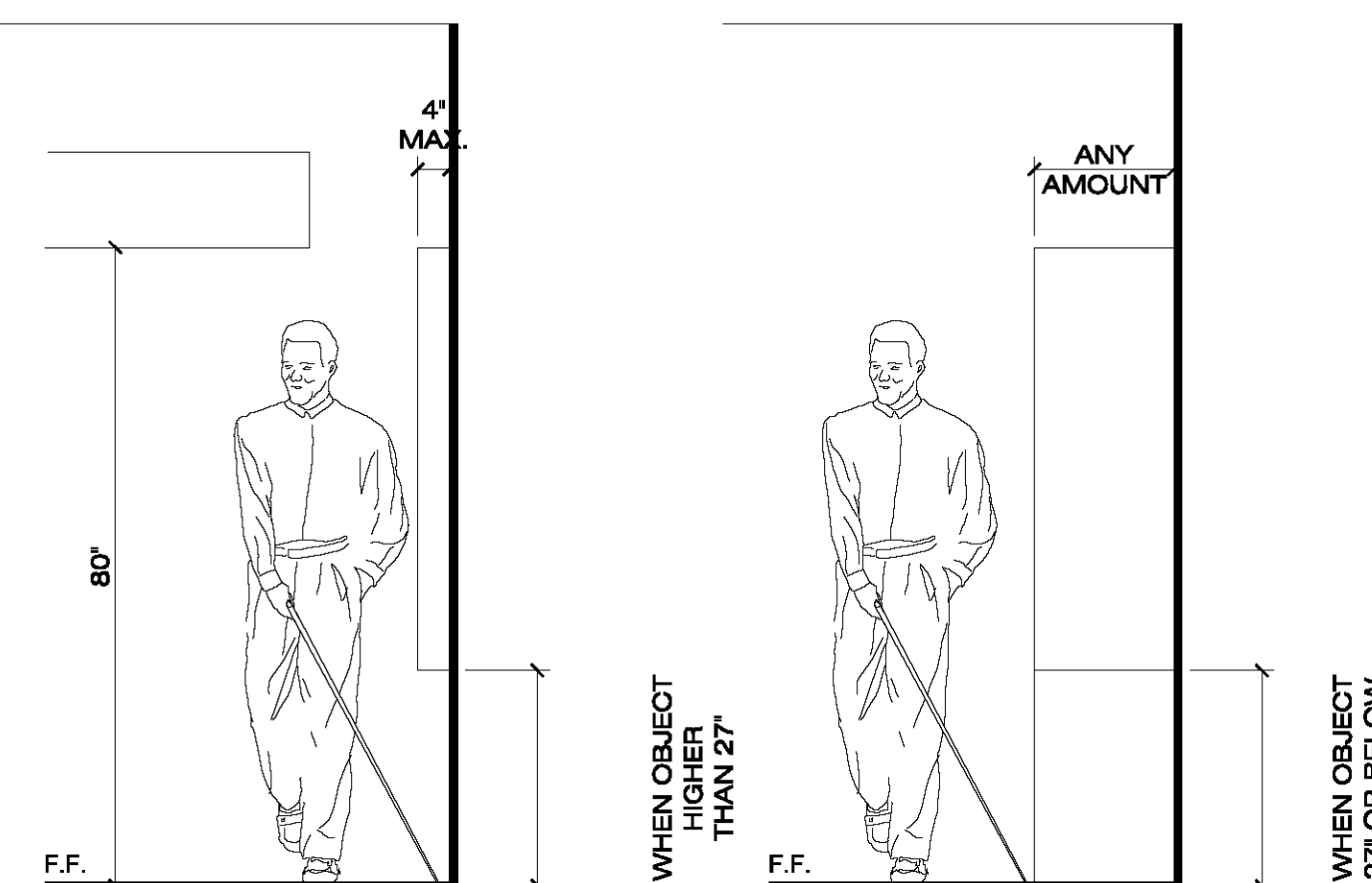
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TYPICAL RESTROOM DIMENSIONS



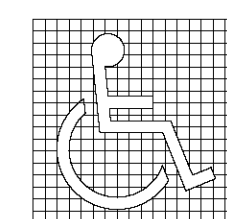
TYPICAL ADA HEIGHTS



NOTE: OBJECT PROJECTING FROM WALLS (FOR EXAMPLE, TELEPHONES) WITH THEIR LEADING EDGES BETWEEN 27" AND 80" A.F.F. SHALL PROTRUDE NO MORE THAN 4" INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS OR AISLES. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27" A.F.F. MAY PROTRUDE ANY AMOUNT

PROTRUDING OBJECTS

Scale: 1/2" = 1'-0"



SYMBOL PROPORTIONS



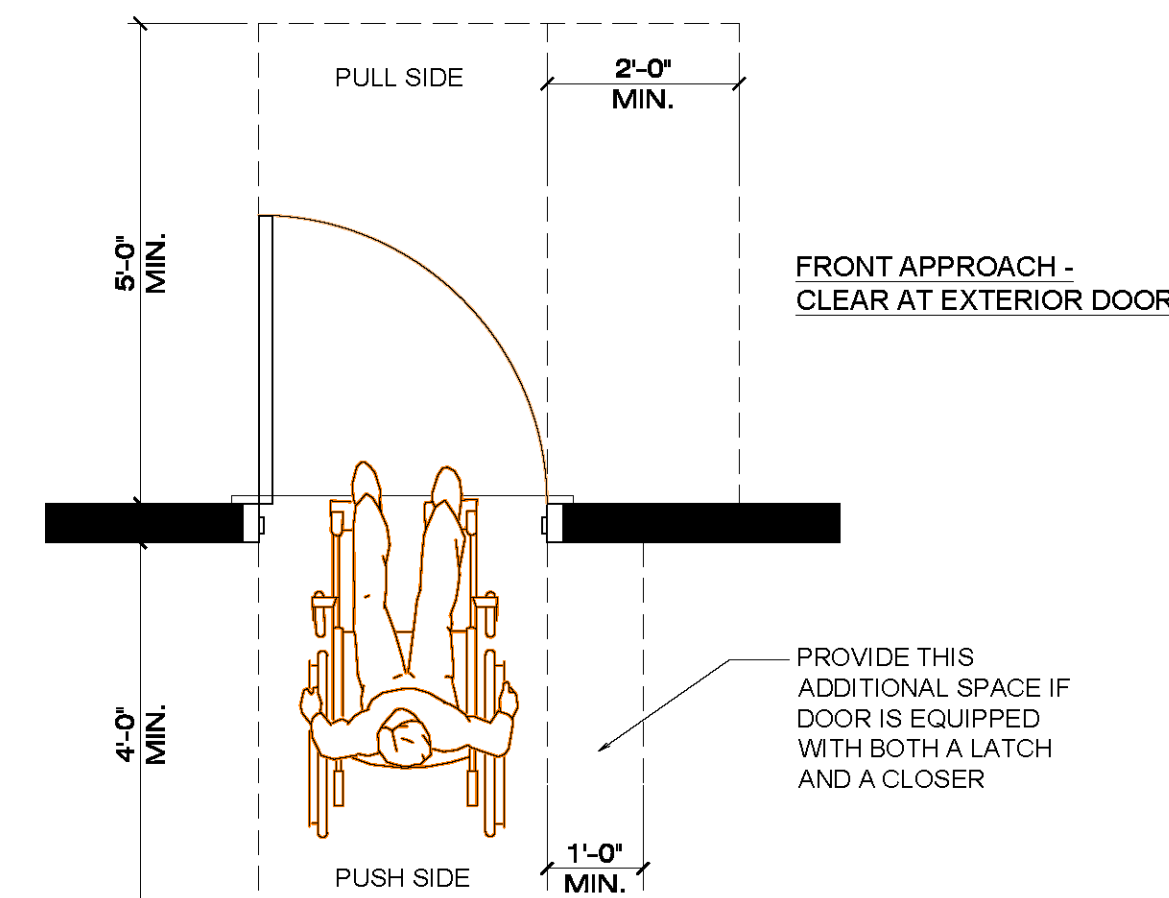
DISPLAY CONDITIONS
CONTRAST OF SYMBOL



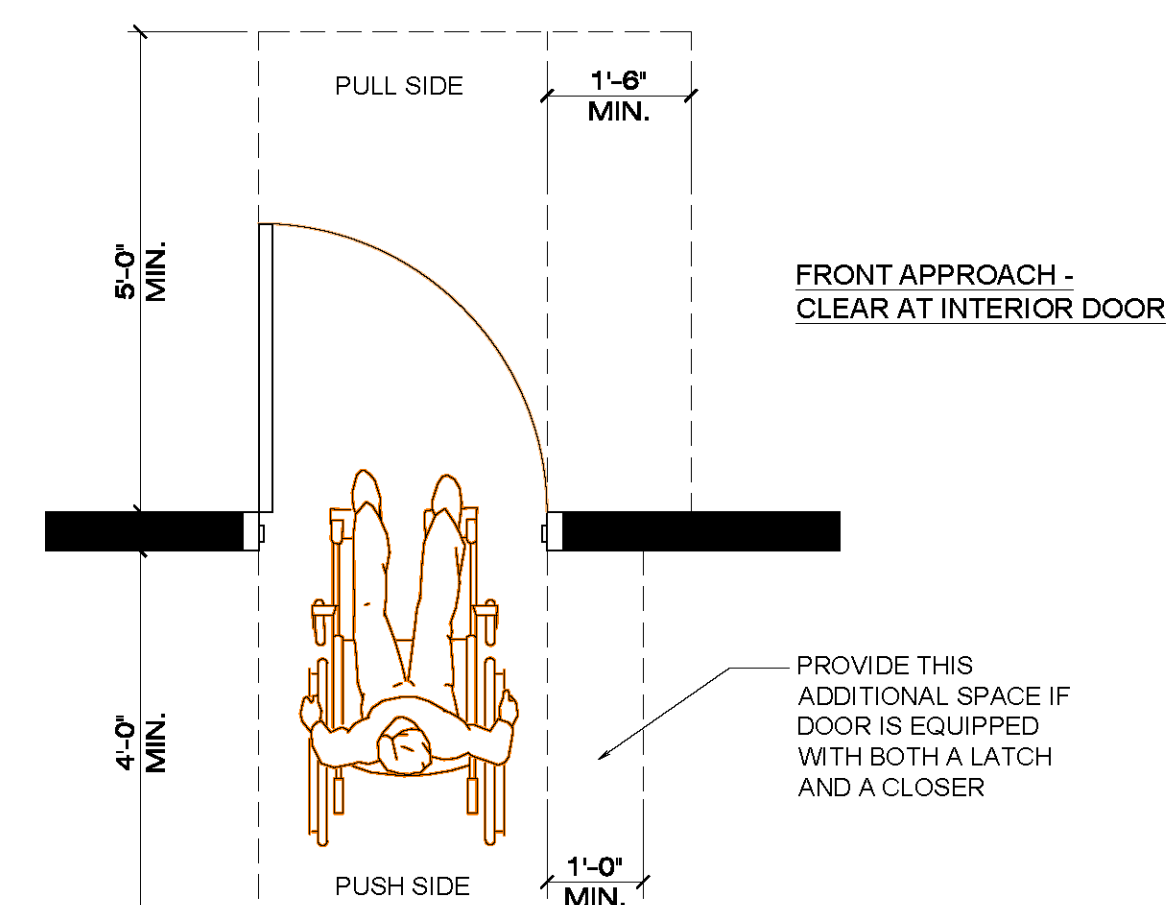
DISPLAY CONDITIONS
CONTRAST OF SYMBOL

TYPICAL ACCESSIBLE SIGNAGE

Scale: 1/2" = 1'-0"



FRONT APPROACH -
CLEAR AT EXTERIOR DOOR



CLEAR AT INTERIOR DOOR

TYPICAL MOUNTING HEIGHTS

Scale: 1/2" = 1'-0"



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Scale

1/8" = 1'-0"

Sheet Title

FOUNDATION PLAN

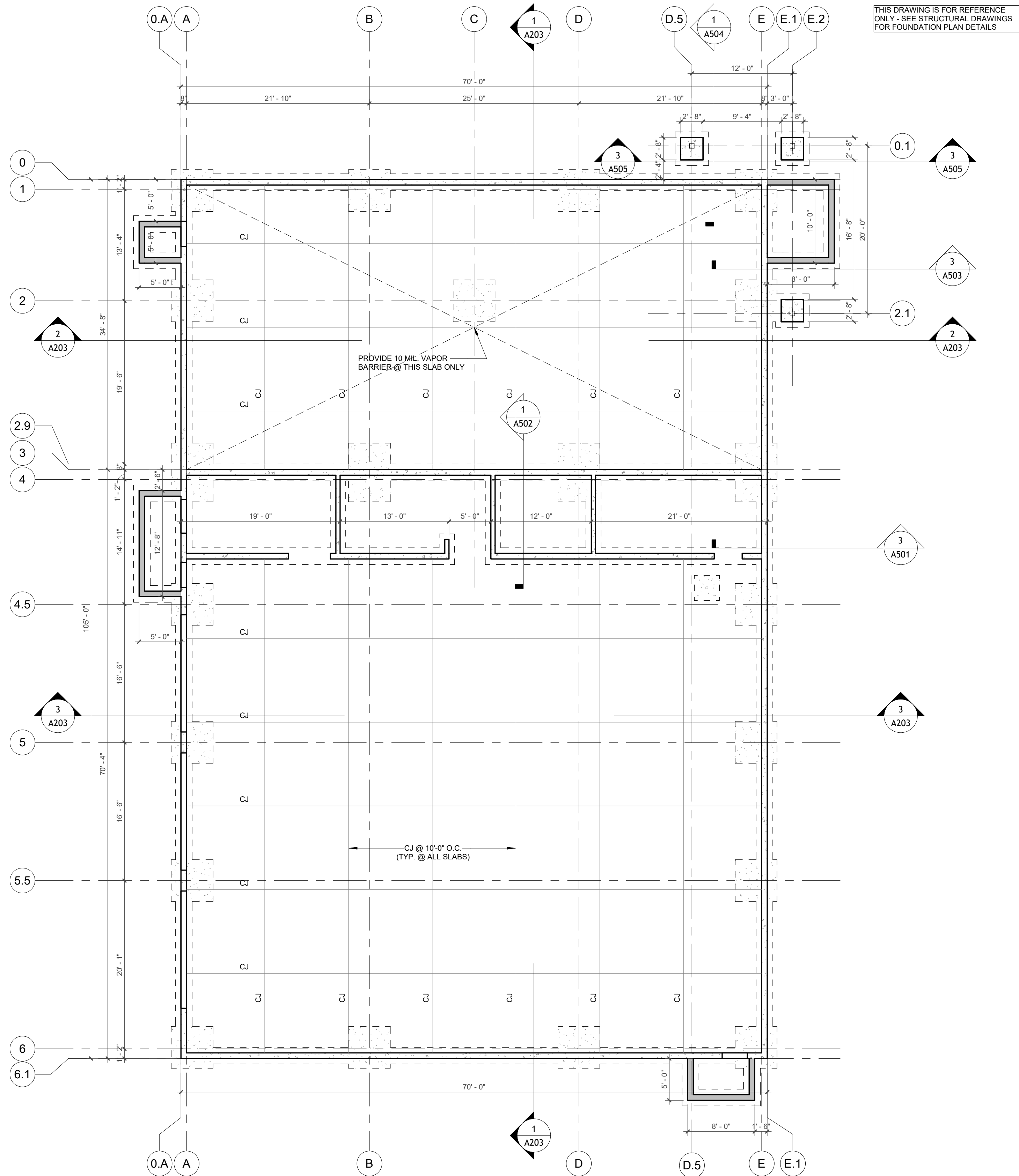
Ref. North



Sheet No.

A100

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



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Scale

1/8" = 1'-0"

Sheet Title

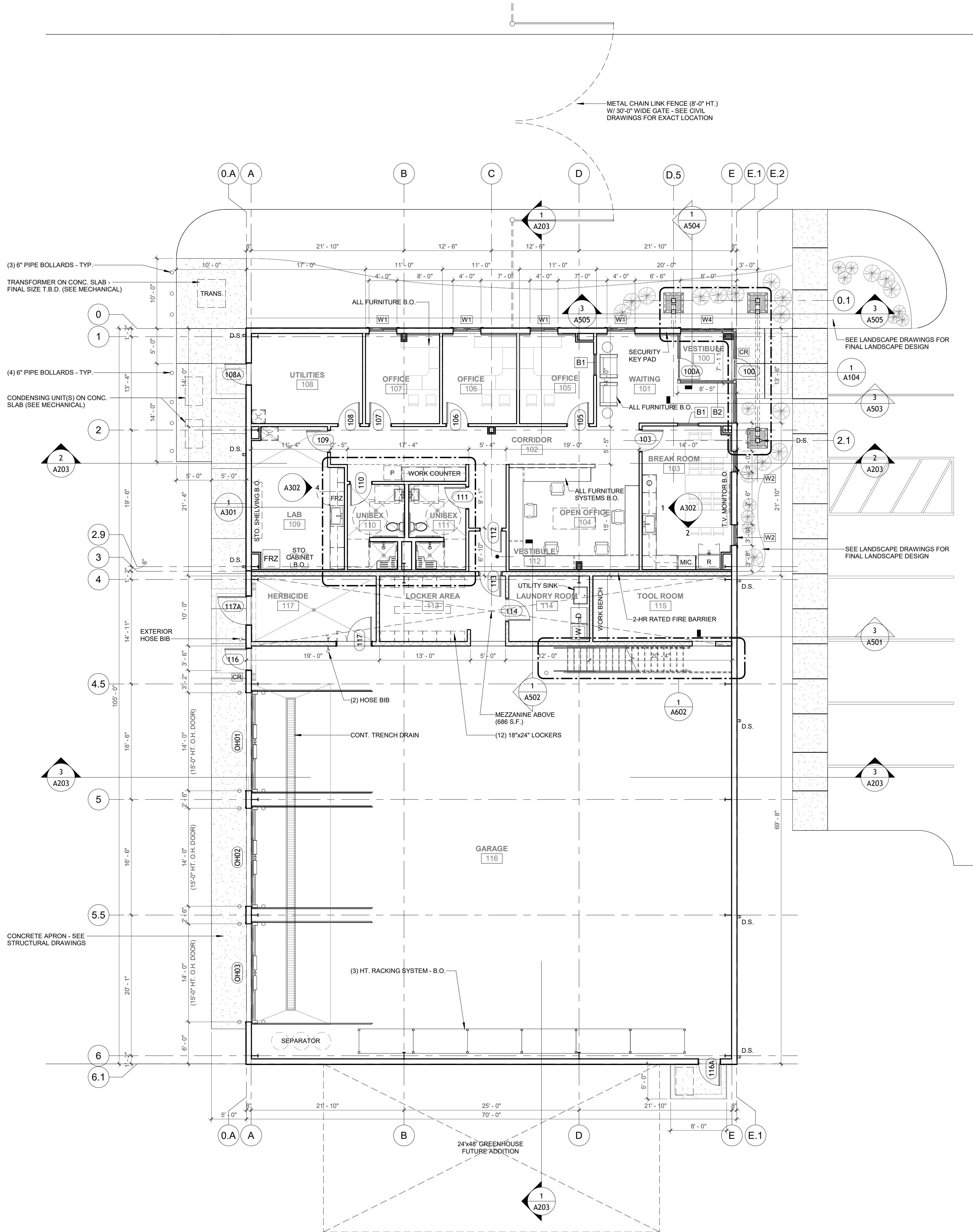
FLOOR PLAN

Ref. North Sheet No.

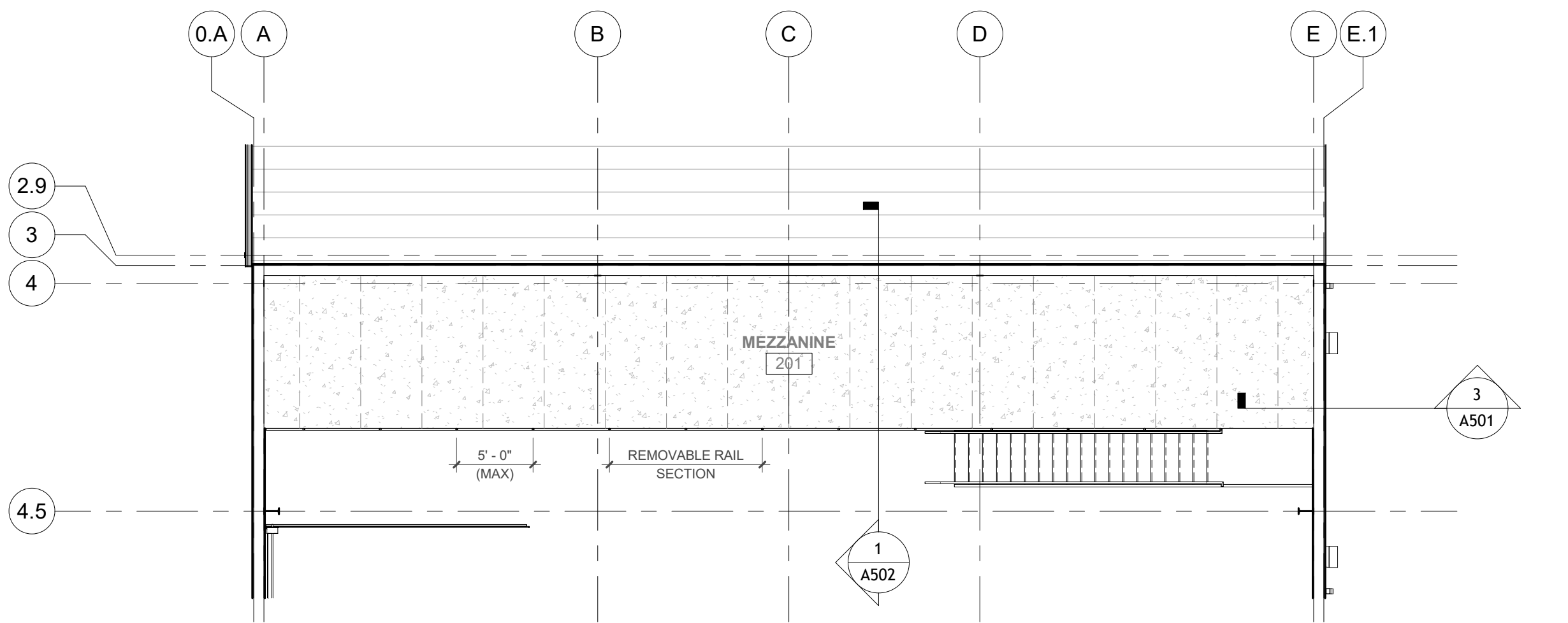


A101

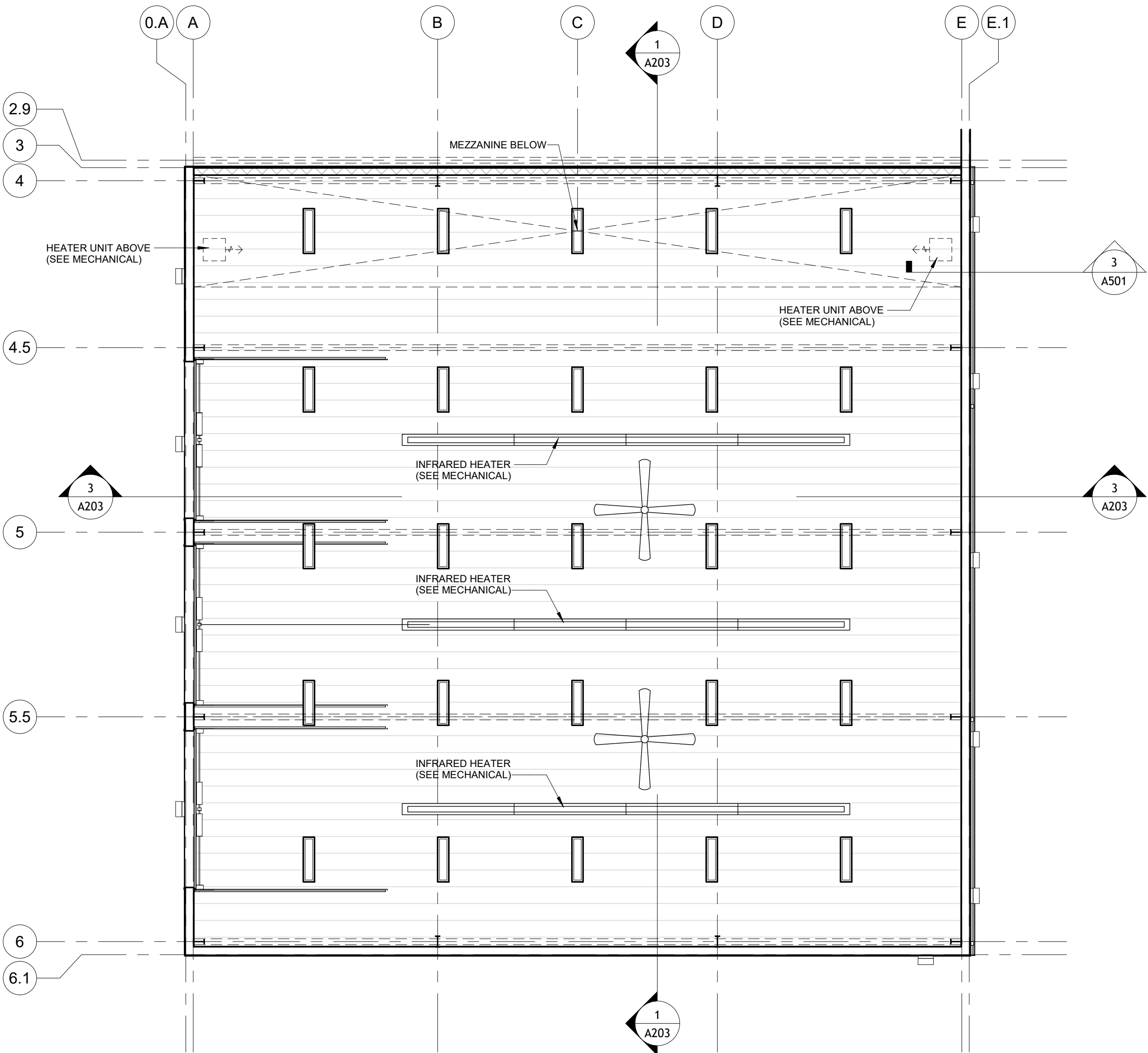
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1 FLOOR PLAN
1/8" = 1'-0"



1 MEZZANINE LEVEL FLOOR PLAN
1/8" = 1'-0"



2 MEZZANINE REFLECTED CEILING PLAN
1/8" = 1'-0"



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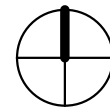
1/8" = 1'-0"

Sheet Title

MEZZANINE FLOOR
PLANS

Ref. North

Sheet No.



A102

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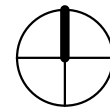
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Sheet Title

ROOF PLAN

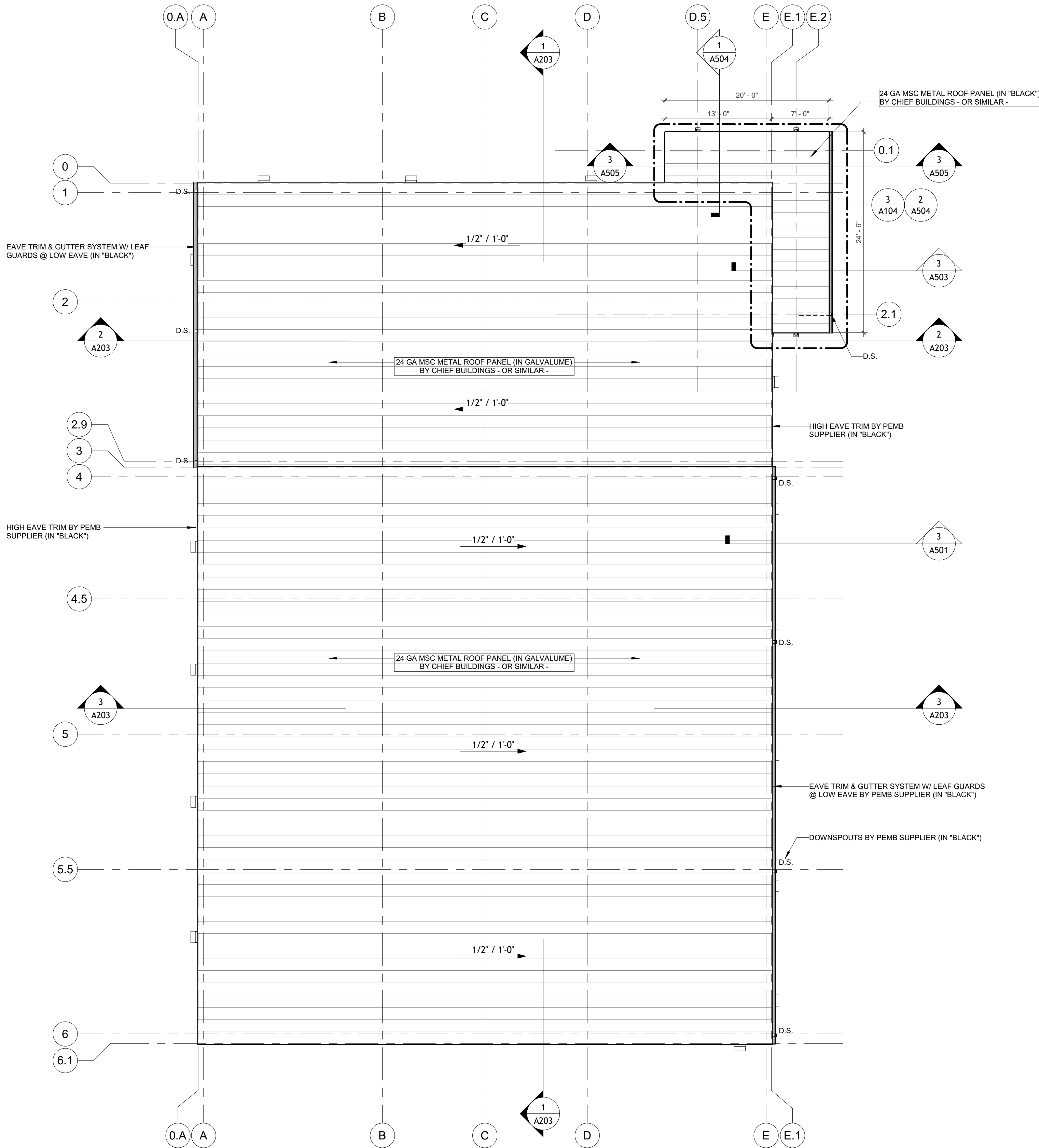
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Sheet No.



A103

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



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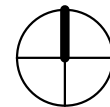
3/8" = 1'-0"

Sheet Title

CANOPY FLOOR PLANS

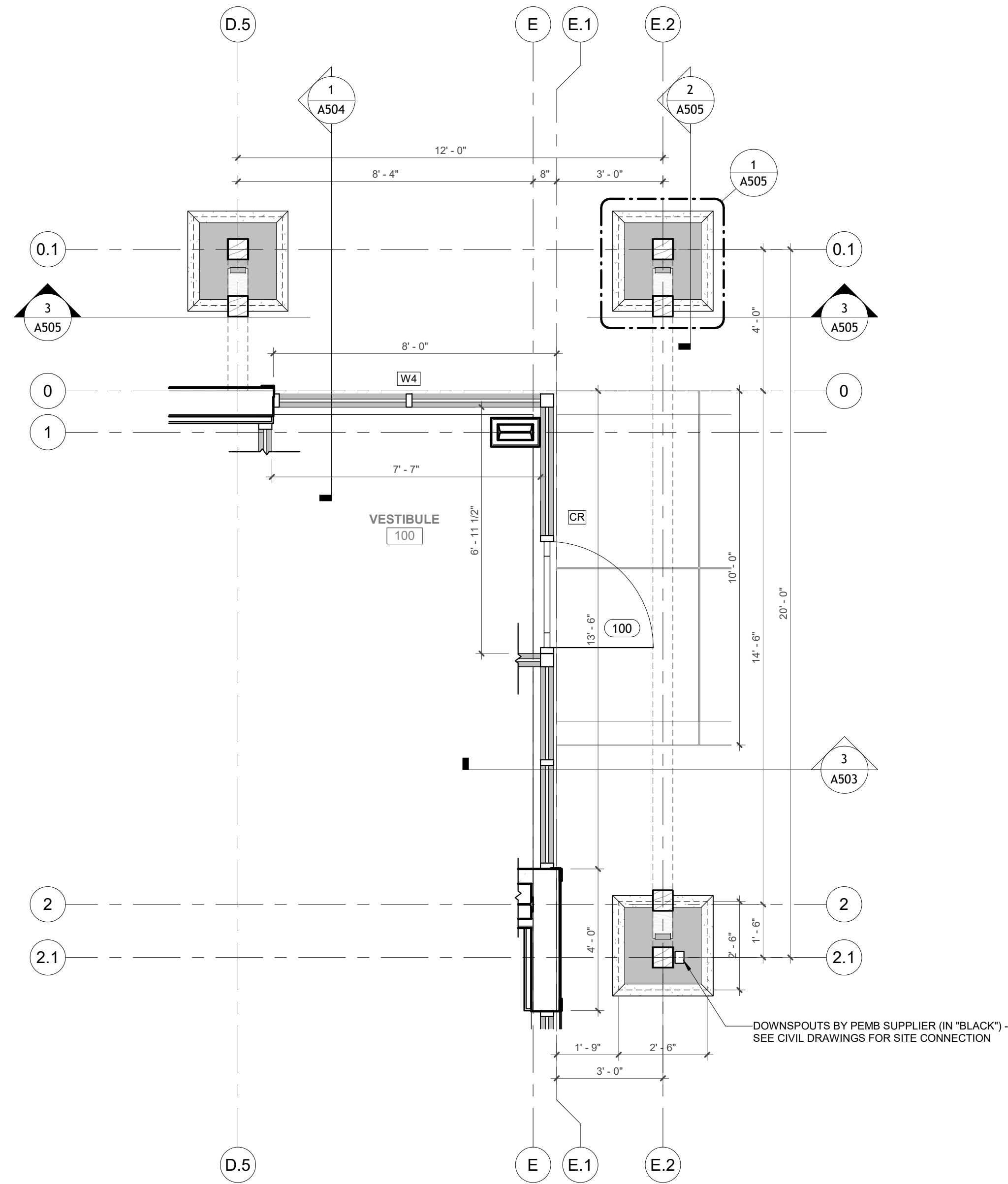
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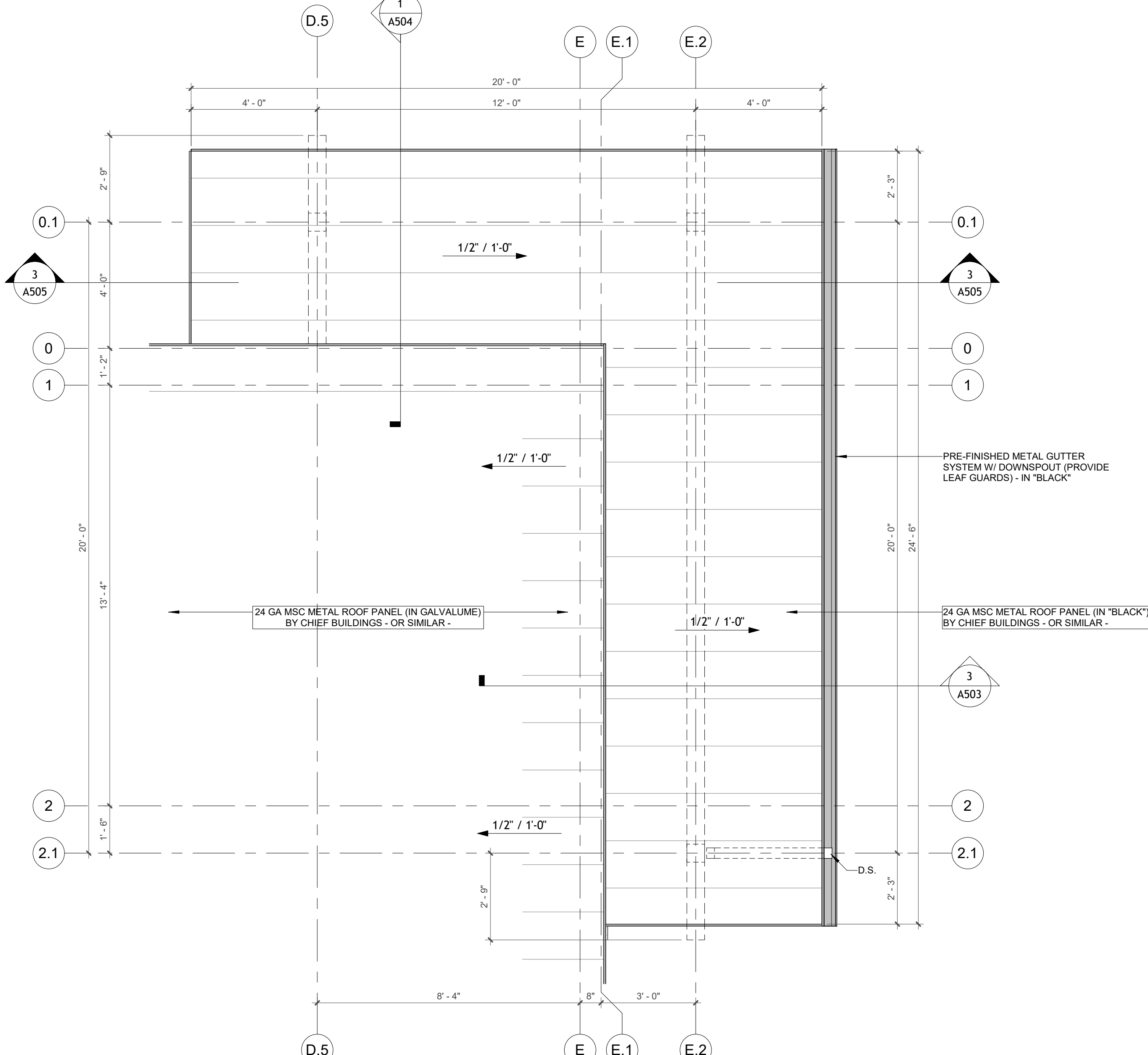


A104

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1 ENLARGED FLOOR PLAN @ CANOPY
3/8" = 1'-0"



3 ENLARGED ROOF PLAN @ CANOPY
3/8" = 1'-0"

ROOM SCHEDULE REMARKS:

1. PROVIDE SCHLUTER "RENO-U" TRANSITION "T-1" BETWEEN FLOORING LVT-1 & PRT-1 AT RESTROOMS.
2. ALL SHOWER WALLS WITH PORCELAIN TILE TO BE FULL HEIGHT.

ROOM SCHEDULE

ROOM INFO		FLOOR		WALLS				CEILING		OTHER
ROOM #	ROOM NAME	FLOOR FINISH	WALL BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	CEILING HEIGHT	REMARKS
100	VESTIBULE	CPT-1	-	AL. STOREFRONT	AL. STOREFRONT	AL. STOREFRONT	AL. STOREFRONT	LACP-1	8' - 0"	-
101	WAITING	LVT-1	RB-1	GYP. BD. / PNT-1	AL. STOREFRONT	GYP. BD. / PNT-1	GYP. BD. / PNT-1	LACP-1	9' - 0"	-
102	CORRIDOR	LVT-1	RB-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	LACP-1	9' - 0"	-
103	BREAK ROOM	LVT-1	RB-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	LACP-1	9' - 0"	-
104	OPEN OFFICE	LVT-1	RB-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	LACP-1	9' - 0"	-
105	OFFICE	LVT-1	RB-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	LACP-1	9' - 0"	-
106	OFFICE	LVT-1	RB-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	LACP-1	9' - 0"	-
107	OFFICE	LVT-1	RB-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	LACP-1	9' - 0"	-
108	UTILITIES	S.CONC.	RB-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	EXPOSED / SIMPLE SAVER SYSTEM	-	-
109	LAB	LVT-1	RB-2	GYP. BD. / PNT-4	GYP. BD. / PNT-4	GYP. BD. / PNT-4	GYP. BD. / PNT-4	LACP-2	9' - 0"	-
110	UNISEX	LVT-1	RB-2	GYP. BD. / PNT-4	GYP. BD. / PNT-4	GYP. BD. / PNT-4	GYP. BD. / PNT-4	GYP. BD. / PNT-6	8' - 0"	-
110A	SHOWER	PRT-1	PRT-1	PRT-1	PRT-1	PRT-1	-	GYP. BD. / PNT-6	8' - 0"	#1, 2
111	UNISEX	LVT-1	RB-2	GYP. BD. / PNT-4	GYP. BD. / PNT-4	GYP. BD. / PNT-4	GYP. BD. / PNT-4	GYP. BD. / PNT-6	8' - 0"	-
111A	SHOWER	PRT-1	PRT-1	PRT-1	-	PRT-1	PRT-1	GYP. BD. / PNT-6	8' - 0"	#1, 2
112	VESTIBULE	CPT-1	RB-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	GYP. BD. / PNT-1	LACP-1	8' - 0"	-
113	LOCKER AREA	S.CONC.	RB-1	CMU / PNT-1	CMU / PNT-1	CMU / PNT-1	CMU / PNT-1	EXPOSED / HOLLOWCORE / PNT-6	10' - 0"	-
114	LAUNDRY ROOM	S.CONC.	RB-1	CMU / PNT-1	CMU / PNT-1	CMU / PNT-1	CMU / PNT-1	EXPOSED / HOLLOWCORE / PNT-6	10' - 0"	-
115	TOOL ROOM	S.CONC.	RB-1	CMU / PNT-1	SIMPLE SAVER SYSTEM / METAL LINER PANEL (24GA UP TO 7'-6" A.F.F.)	CMU / PNT-1	CMU / PNT-1	EXPOSED / HOLLOWCORE / PNT-6	10' - 0"	-
116	GARAGE	S.CONC.	-	-	SIMPLE SAVER SYSTEM / METAL LINER PANEL (24GA UP TO 7'-6" A.F.F.)	SIMPLE SAVER SYSTEM / METAL LINER PANEL (24GA UP TO 7'-6" A.F.F.)	SIMPLE SAVER SYSTEM / METAL LINER PANEL (24GA UP TO 7'-6" A.F.F.)	EXPOSED / SIMPLE SAVER SYSTEM	-	-
117	HERBICIDE	S.CONC.	RB-1	CMU / PNT-1	CMU / PNT-1	CMU / PNT-1	CMU / PNT-1	EXPOSED / HOLLOWCORE / PNT-6	10' - 0"	-
201	MEZZANINE	S.CONC.	-	EXPOSED / SIMPLE SAVER SYSTEM	EXPOSED / SIMPLE SAVER SYSTEM	-	EXPOSED / SIMPLE SAVER SYSTEM	EXPOSED / SIMPLE SAVER SYSTEM	-	-

ROOM FINISH LEGEND (FINAL APPROVAL OF ALL COLOR AND MATERIAL SELECTIONS BY ARCHITECT)

TAG	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR / FINISH	REMARKS
CPT-1	CARPET TILE FLOORING 1 (WALK-OFF)	BENTLEY	ROUGH IDEA SHEAR 8RN24, "OUTLINE" #800115, ASHLAR INSTALL	OUTLINE #800115 / ASHLAR INSTALL	---
LVT-1	LUXURY VINYL TILE/PLANK 1	BENTLEY	MOOD, 9" x 48", RANDOM ASHLAR INSTALL	INTEGRATED #801994 / ASHLAR INSTALL (FINAL SELECTION T.B.D.)	---
PRT-1	PORCELAIN TILE 1	FLORIDATILE	AVENTIS HDP COLOR BODY PORCELAIN FLOOR & WALL TILE	"VELVET", 12"x24" WALL TILE (HORIZONTAL INSTALL ON WALLS) & 2"x2" MOSAIC FLOOR TILE	---
S. CONC.	SEALED CONCRETE FLOOR FINISH	BASF	LAPIDOLITH	-	---
-	-	-	-	-	---
RB-1	RUBBER BASE (4" HIGH)	ROPPE	TP 76193 - 1/8" TPR RUBBER - COVE	BLACK-BROWN #P193	---
RB-2	RUBBER BASE (6" HIGH)	ROPPE	TP 76193 - 1/8" TPR RUBBER - COVE	BLACK-BROWN #P193	---
-	-	-	-	-	---
PNT-1	PAINT 1	SHERWIN WILLIAMS	MAIN WALL PAINT 1 / EGGSHELL FOR GYP.BD., SEMI-GLOSS FOR CMU	(1) PRIME COAT / (2) FINISH COATS - "COLOR T.B.D."	---
PNT-2	PAINT 2	SHERWIN WILLIAMS	MAIN WALL PAINT 2 / EGGSHELL FOR GYP.BD., SEMI-GLOSS FOR CMU	(1) PRIME COAT / (2) FINISH COATS - "COLOR T.B.D."	---
PNT-3	PAINT 3	SHERWIN WILLIAMS	ACCENT WALL PAINT / EGGSHELL FOR GYP.BD., SEMI-GLOSS FOR CMU	(1) PRIME COAT / (2) FINISH COATS - "COLOR T.B.D."	---
PNT-4	PAINT 4	SHERWIN WILLIAMS	WALL PAINT / EPOXY (IN ALL RESTROOMS & JANITORIAL)	(1) PRIME COAT TUFF HIDE / (2) FINISH COATS - "COLOR T.B.D."	---
PNT-5	PAINT 5	SHERWIN WILLIAMS	HOLLOW METAL DOORS & FRAMES PAINT / SEMI-GLOSS	(1) PRIME COAT / (2) FINISH COATS - "COLOR T.B.D."	---
PNT-6	PAINT 6	SHERWIN WILLIAMS	DRYWALL CEILING, SOFFITS PAINT / FLAT IN NON-WET ROOMS, EPOXY IN RESTROOMS / SEMI-GLOSS IN EXPOSED CONCRETE & HOLLOWCORE	(1) PRIME COAT / (2) FINISH COATS - "COLOR T.B.D."	---
-	-	-	-	-	---
LACP-1	LAY-IN ACOUSTICAL PANEL CEILING 1	CERTAINTEED	CASHMERE HIGH NRC (CM-454NRCP) 24"x24"x3/4" (W/ 15/16" REVEAL BEVELED GRID)	WHITE TILE / WHITE GRID	---
LACP-2	LAY-IN ACOUSTICAL PANEL CEILING 2	CERTAINTEED	SYMPHONY m 70 Rx (1222-RXS-1) 24"x24"x3/4" (W/ 15/16" CLASSIC GRID)	WHITE TILE / WHITE GRID	---
-	-	-	-	-	---
-	-	-	-	-	---
-	-	-	-	-	---
CMU	CONCRETE MASONRY UNIT	-	-	-	---
-	-	-	-	-	---
T-1	FLOOR TRANSITION 1	SCHLUTER	RENO-U: TRANSITION BETWEEN FLOORING LVT-1 & PRT-1	-	---
T-2	FLOOR TRANSITION 2	SCHLUTER	SHOWERPROFILE-WSK: FLOOR SPLASHGUARD AT SHOWER(S)	-	---
T-3	FLOOR TRANSITION 3	-	FLOOR RUBBER TRANSITION	BLACK	---
-	-	-	-	-	---



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Scale

Sheet Title

ROOM SCHEDULES

Ref. North

Sheet No.

A105

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

[illegible]

HARDWARE MANUFACTURERS				
PRODUCT NAME	MANUFACTURER	MODEL/PART NUMBER		FINISH
HINGES	IVES	5BBHW 4.5x4.5		US32D SATIN STAINLESS STEEL
SPRING HINGES	IVES	3SPI		US32D SATIN STAINLESS STEEL
ELECTRIC HINGES	IVES	5BBHW 4.5x4.5 (8 WIRE)		US32D SATIN STAINLESS STEEL
LOCKSET	SCHLAGE	D-SERIES/RHODES LEVER		US32D SATIN STAINLESS STEEL
LOCKSET W/ OCCU. INDICATOR	SCHLAGE	D-SERIES/RHODES LEVER (ND40S ATH OS-OCC)		US32D SATIN STAINLESS STEEL
CLOSER	LCN	4040 XP		
STOP HOLDER	GLYNN JOHNSON	90 SERIES		US32D SATIN STAINLESS STEEL
WALL STOP	IVES	WS406		US32D SATIN STAINLESS STEEL
FLOOR STOP	IVES	AS REQUIRED		MATCH US32D FINISH
PUSH	ROCKWOOD	111 x 73C/73CL		US32D SATIN STAINLESS STEEL
PULL	ROCKWOOD	111 x 73C/73CL		US32D SATIN STAINLESS STEEL
ELECTRIC STRIKE		24VDC 6211-FS-DS-CON		US32D SATIN STAINLESS STEEL
KICKPLATE	ROCKWOOD	K1062 12" x 34"		US32D SATIN STAINLESS STEEL
ARMOR PLATE	ROCKWOOD	K1050 34" x 34"		US32D SATIN STAINLESS STEEL
FLUSH BOLT-TOP & BOTTOM	ROCKWOOD	555		US26D SATIN CHROME
DUST PROOF STRIKE	ROCKWOOD	570		US26D SATIN CHROME
ASTRAGAL	BY DOOR MANUF.	Z TYPE		-
MAG LOCK	SECURITRON	MM15 SERIES		BLACK
DOOR SWEEP	HAGER	750SS		STAINLESS STEEL W/ SILICONE
SMOKE SEALS	PREMKO	S88D		SILICONE
DOOR SILENCERS	IVES (3 PER DOOR)	NO. 02		WHITE/GREY
THRESHOLD	REESE	S245A		MILL AL.
DRIP CAP	HAGER	810S		MILL AL.
LATCH GUARD	HAGER	332D		-
WEATHER-STRIPPING/SWEEP	- ANY -	-		-
PANIC BAR	VON DUPRIN	98/99L RIM EXIT DEVICE W/ LEVER (KEY LOCK)		US26D SATIN CHROMIUM
EXIT CONTROL DEVICE	DETEX	V40 x 36 x CD x EBXW W/ MORTISE CYLINDER - 30-001x118 (PUSH TO OPEN - ALARM WILL SOUND AT EXTERIOR DOORS)		US26D SATIN CHROMIUM
ROLLER CATCH	- ANY -	-		-

HARDWARE NOTES:

-

LOCKSET FUNCTION KEY (LF):

(* LEVER TO RECEIVE TACTILE GRIP - ADA)

S = STOREROOM*	C = CLASSROOM	O = OFFICE	PR = PRIVACY
P = PASSAGE	D = DUMMY	E = ENTRY	BED = BEDROOM

ALUMINUM STOREFRONT HARDWARE:

PIVOT HINGES	MFR STANDARD	TOP & BOT. OFFSET PIVOTS	MILL AL.
THRESHOLD	REESE	S245A	MILL AL.
WEATHER-STRIPPING/SWEEP	MFR STANDARD	STANDARD TYPE	-
CLOSER	LCN (OR EQUAL)	2034	BLACK
LATCH	ADAMS RITE (OR EQUAL)	4510 DEAD LATCH W/LEVER HANDLE	BLACK ANODIZED
PULL	KAWNEER (OR EQUAL)	SEE SPEC. FOR TYPE	BLACK ANODIZED
PUSH	KAWNEER (OR EQUAL)	SEE SPEC. FOR TYPE	BLACK ANODIZED
-	-	-	-

DOOR & FRAME REMARKS: (#)	
1)	PROVIDE PRIVACY LOCKSET W/ OCCUPIED/UNOCCUPIED INDICATOR
2)	PROVIDE TORNADO RATED DOOR (ZONE 5) EQUAL TO STEELCRAFT DOOR SYSTEM (PW14 PALADIN) FEMA P-361 (2024) RATED WITH FACTORY INSTALLED LIGHT KITS. DOOR 114 ONLY.
3)	ALUMINUM FRAME (THERMAL BREAK) W/ 1" INSULATED LOW-E GLAZING - TINTED SOLAR GREY. FRAME TO BE BLACK ANODIZED FINISH
4)	ALUMINUM FRAME W/ 1/4" CLEAR GLAZING. FRAME TO BE BLACK ANODIZED FINISH
DOOR & FRAME GENERAL NOTES:	
A.	ALL HARDWARE FOR DOORS IN THE MEANS OF EGRESS SHALL CONFORM TO NFPA NO. 101 AND IBC 2021.
B.	ALL EXTERIOR DOORS TO HAVE NON RISING FIXED HINGE PINS, DRIP CAPS AND WEATHER STRIPPING, UNLESS NOTED OTHERWISE.
C.	ALL HOLLOW METAL DOORS & FRAMES TO BE PAINTED.
D.	OPENINGS WITH CLOSER AND NO WALL / FLOOR STOP TO USE STOP ARM CLOSER.
E.	ALL GLAZING SHALL BE TEMPERED WHERE REQUIRED BY CODE.
F.	ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES TO BE GALVANIZED.
G.	VERIFY WITH MECHANICAL DRAWINGS DOORS THAT NEED TO BE UNDERCUT 1" IF ANY.
H.	MINIMUM PERFORMANCE RATING FOR NEW COMMERCIAL STOREFRONTS (FIXED): U-FACTOR 0.36, SHGC 0.38 (IN COMPLIANCE WITH SECTION C402.4 OF THE 2021 IECC).
I.	ALL EXTERIOR DOORS & WINDOWS SHALL COMPLY WITH SECTION C402 OF THE 2021 IECC.
J.	PER SECTION IAC 404.2.5, 404.2.7, 404.2.8, 404.2.9: "DOOR HARDWARE SHALL BE CAPABLE OF OPERATION WITH THE USE OF ONE (1) HAND AND SHALL NOT REQUIRE TIGHT PINCHING, TIGHT GRASPING OR TWISTING OF THE WRIST TO OPERATE. THUMBTURN DEADBOLTS/LOCKS ARE PROHIBITED; LEVER OR PADDLER DEADBOLT/LOCK RELEASES ARE ACCEPTABLE. DOOR THRESHOLD SHALL NOT EXCEED ONE-HALF INCH (1/2") IN HEIGHT. THRESHOLDS EXCEEDING ONE QUARTER INCH (1/4") IN HEIGHT SHALL. THE FORCE FOR PULLING OR PUSHING A DOOR SHALL NOT BE MORE THAN EIGHT-AND-A-HALF POUNDS (8 1/2 LBS). FOR EXTERIOR DOORS (8-1/2 LBS) AND FOR INTERIOR DOORS (5 LBS).

[illegible]



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New Building

for

Forest Preserves of
Winnebago County

Meridian Rd.,
Winnebago County, Illinois

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Scale

1/4" = 1'-0"

Sheet Title

DOOR & FRAME TYPES

Ref. North

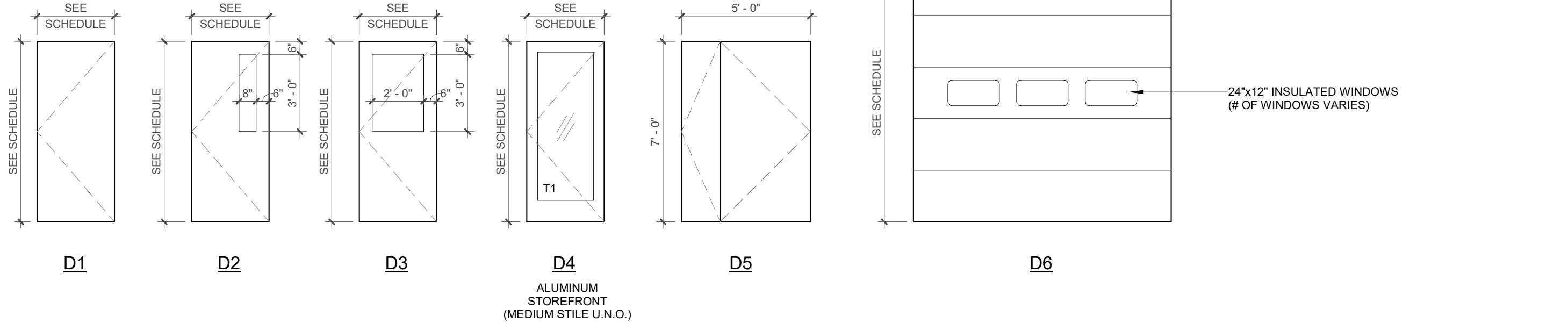
Sheet No.

A107

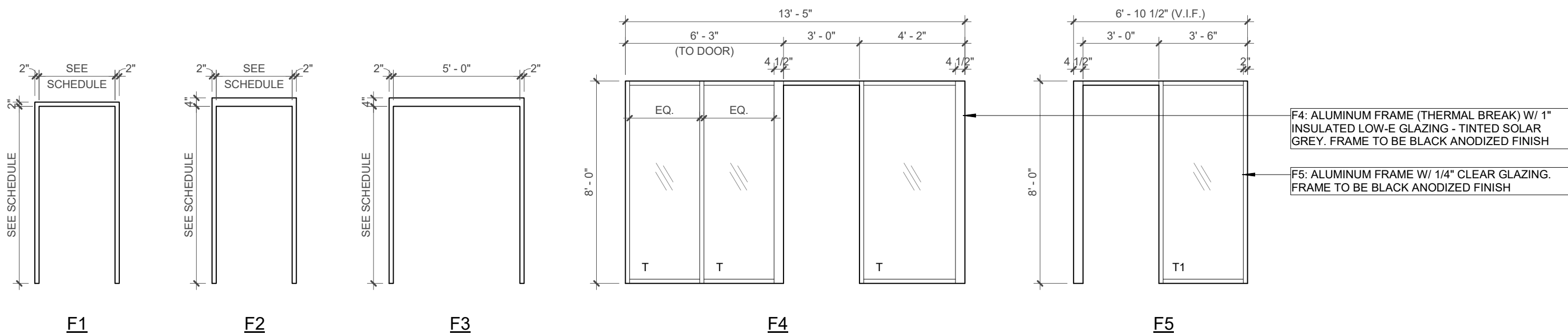
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W = WIRED
T = 1" INSULATED TEMPERED GLASS (LOW-E) TINTED (U.N.O.)
T1 = 1/4" TEMPERED GLASS (U.N.O.)
S = 1" INSULATED SPANDREL TEMPERED GLASS

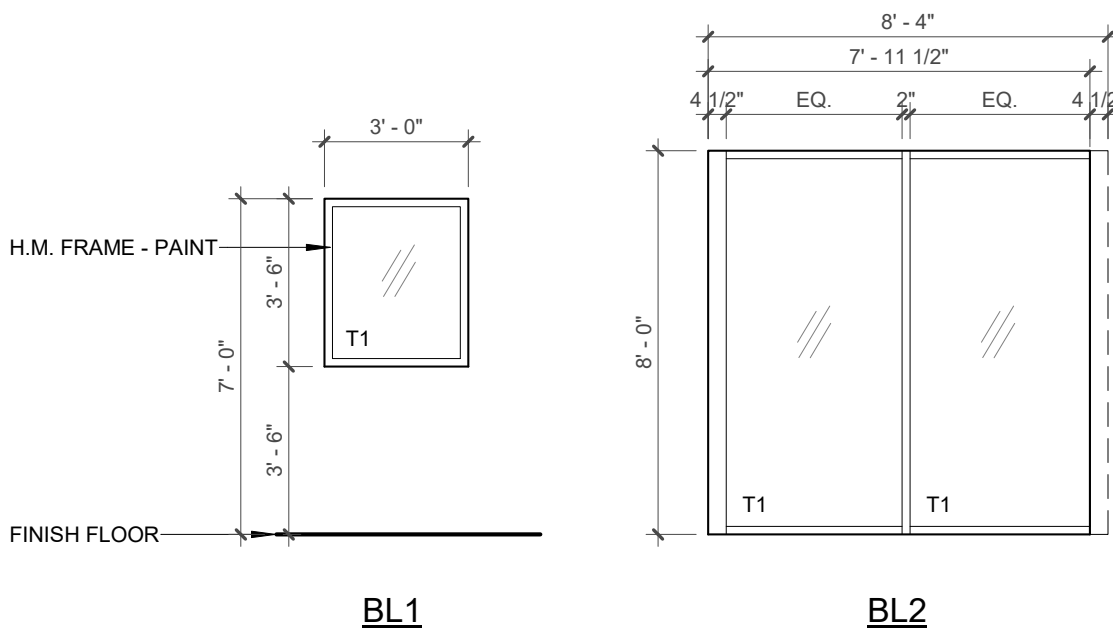
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(ALL EXTERIOR DOORS SHALL COMPLY WITH SECTION C402 OF THE 2021 IECC.)



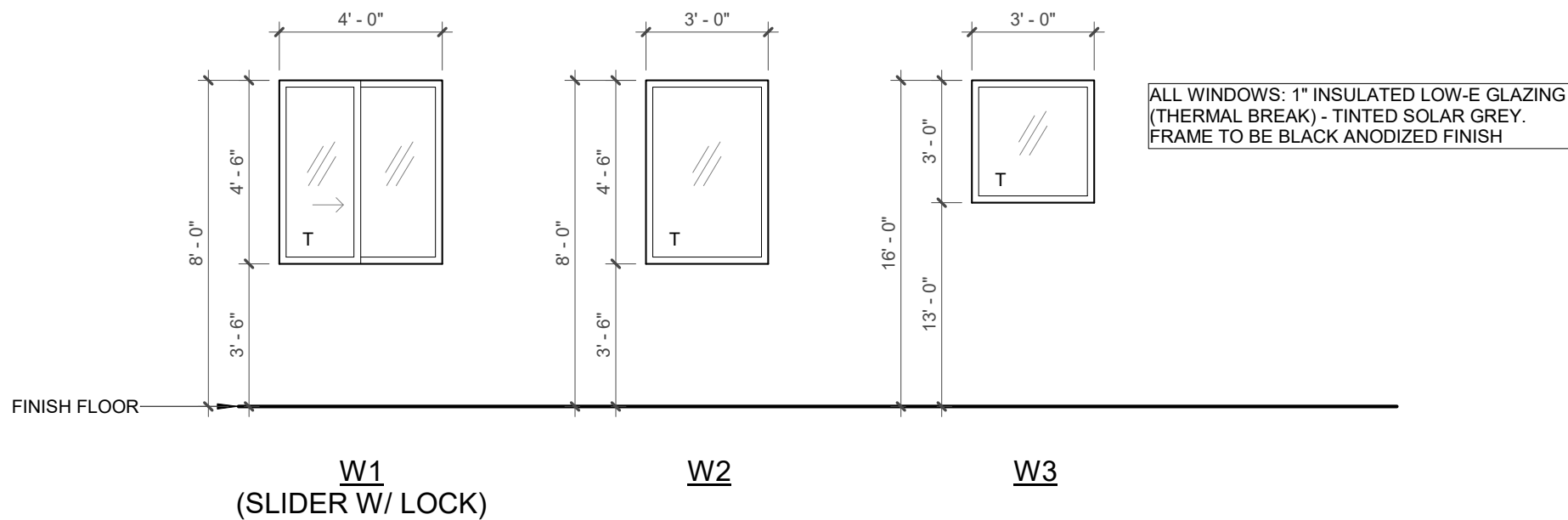
DOOR TYPES
1/4" = 1'-0"



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



BORROWED LIGHT TYPES
1/4" = 1'-0"



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



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Scale

3/16" = 1'-0"

Sheet Title

BUILDING ELEVATIONS

Ref. North

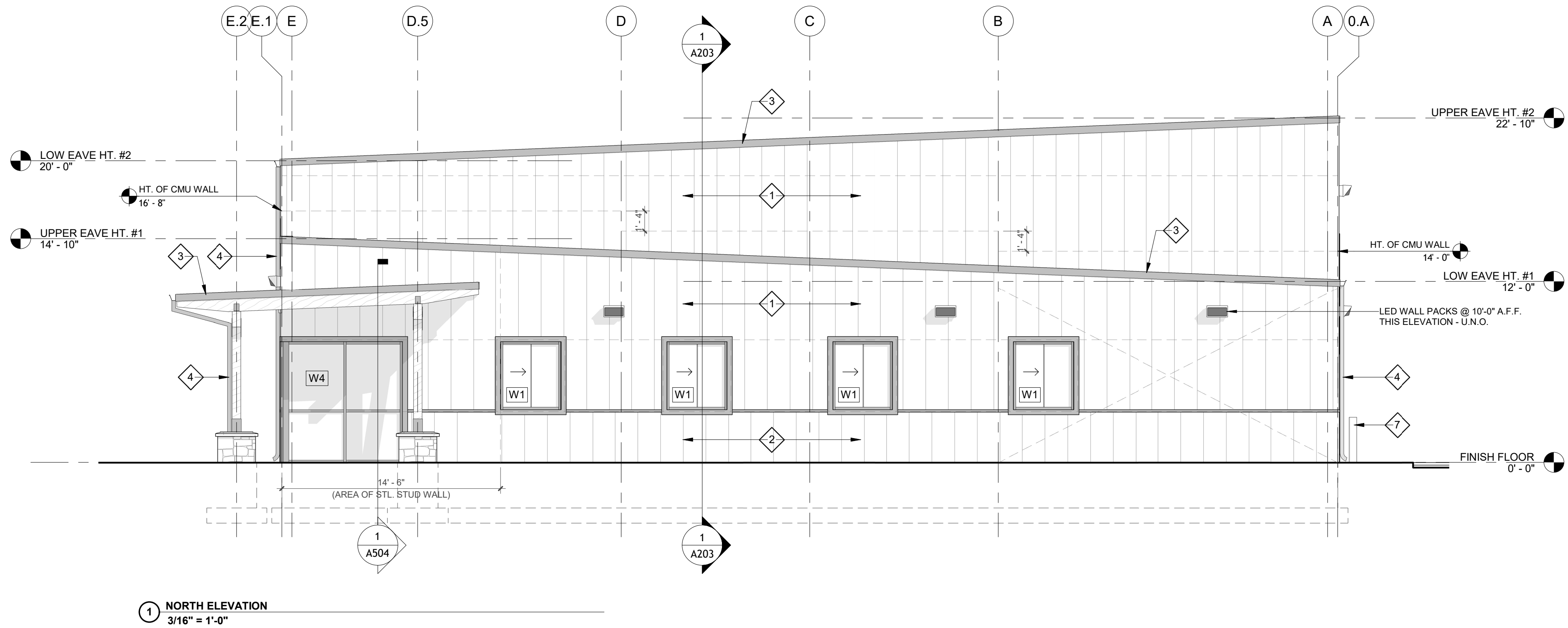
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A201

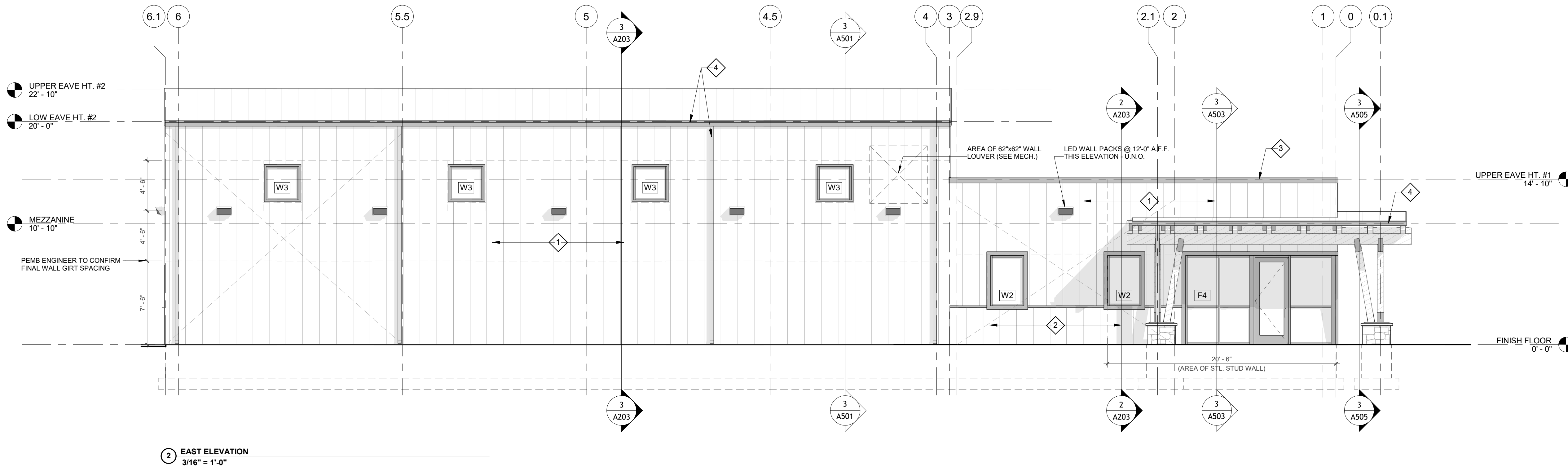
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ELEVATION KEY NOTES	#
1) METAL WALL PANELS BY PEMB MANUF.: 24 GA "AP" SIDE WALL PANELS IN "ASH GRAY"	
2) METAL WALL PANELS: PAC-CLAD BOARD & BATTEN WALL PANELS @ 12" O.C. IN "CHARCOAL GRAY" -OR SIMILAR-	
3) PRE-FINISHED METAL COPING BY PEMB MANUF.: COLOR TO MATCH "BLACK"	
4) GUTTER SYSTEM W/ LEAF GUARDS & DOWNSPOUTS BY PEMB MANUF. IN "BLACK"	
5) EXTERIOR HOLLOW METAL DOORS: PAINT TO MATCH "T.B.D."	
6) RAYNOR TM220 SECTIONAL STEEL DOORS: COLOR TO MATCH "WHITE"	
7) PIPE BOLLARD: COLOR "T.B.D." - SEE 3/A602 FOR PIPE BOLLARD DETAILS	

GENERAL NOTES:
A) ALL METAL WALL PANELS TO COME WITH ALL FLASHING, TRIMS & END CAPS - VERIFY COLORS WITH ARCHITECT.



1 NORTH ELEVATION
3/16" = 1'-0"



2 EAST ELEVATION
3/16" = 1'-0"



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**BUILDING ELEVATIONS -
CANOPY ALTERNATE #1**

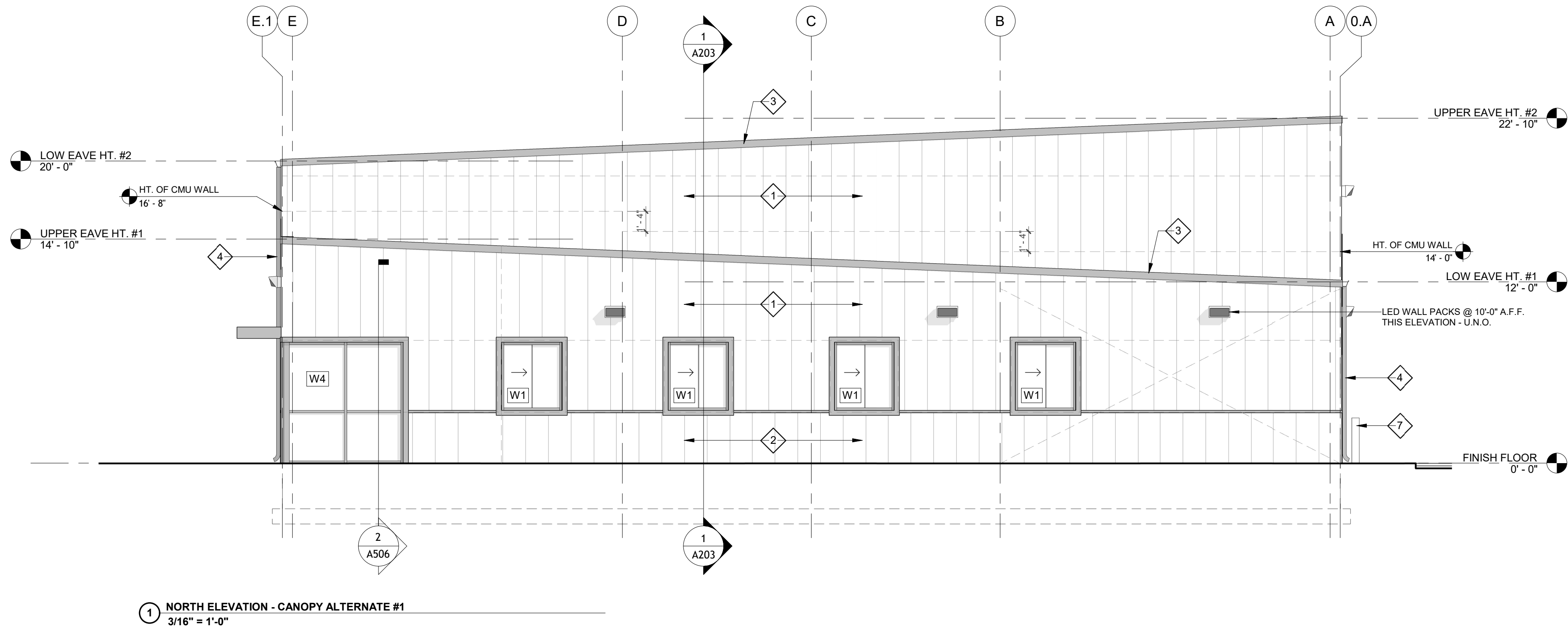
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A201-A

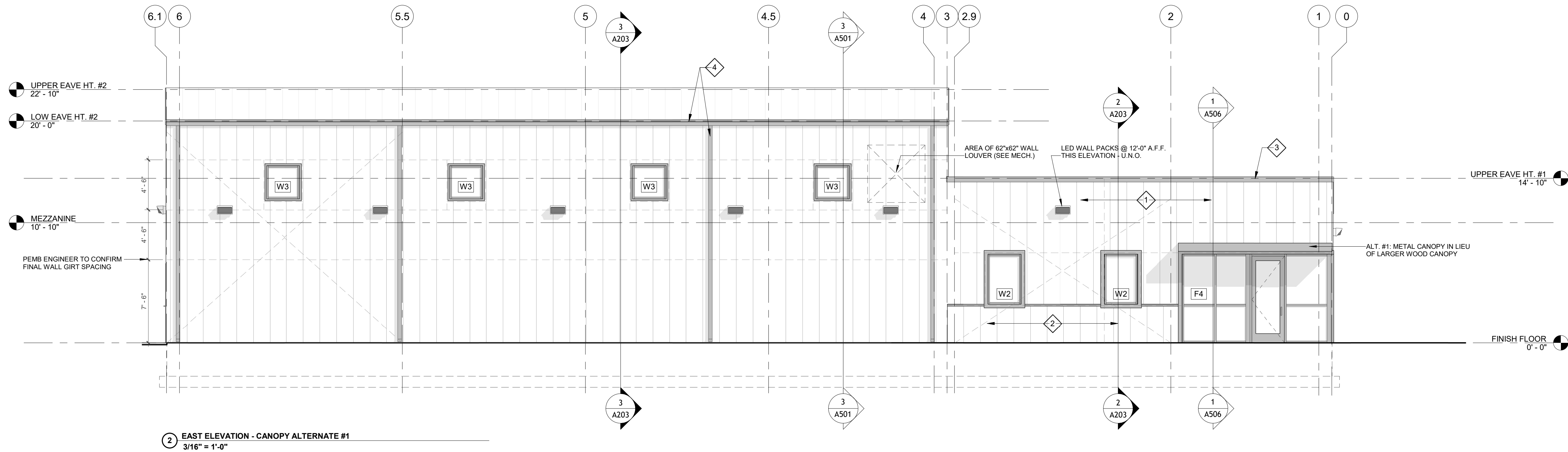
PROFESSIONAL DESIGN FIRM REGISTRATION #
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2) METAL WALL PANELS: PAC-CLAD BOARD & BATTEN WALL PANELS @ 12" O.C. IN "CHARCOAL GRAY" -OR SIMILAR-	
3) PRE-FINISHED METAL COPING BY PEMB MANUF.: COLOR TO MATCH "BLACK"	
4) GUTTER SYSTEM W/ LEAF GUARDS & DOWNSPOUTS BY PEMB MANUF. IN "BLACK"	
5) EXTERIOR HOLLOW METAL DOORS: PAINT TO MATCH "T.B.D."	
6) RAYNOR TM220 SECTIONAL STEEL DOORS: COLOR TO MATCH "WHITE"	
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GENERAL NOTES:
A) ALL METAL WALL PANELS TO COME WITH ALL FLASHING, TRIMS & END CAPS - VERIFY COLORS WITH ARCHITECT.



1 NORTH ELEVATION - CANOPY ALTERNATE #1
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2 EAST ELEVATION - CANOPY ALTERNATE #1
3/16" = 1'-0"



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BUILDING ELEVATIONS

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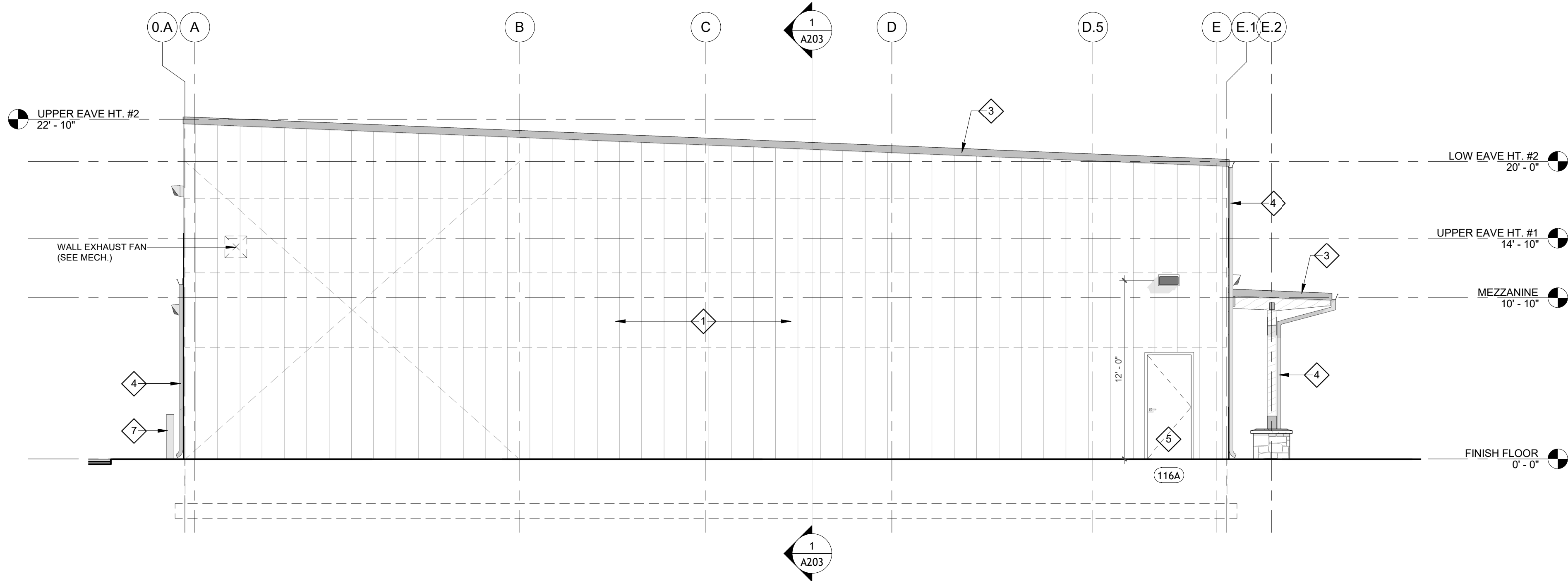
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PROFESSIONAL DESIGN FIRM REGISTRATION #
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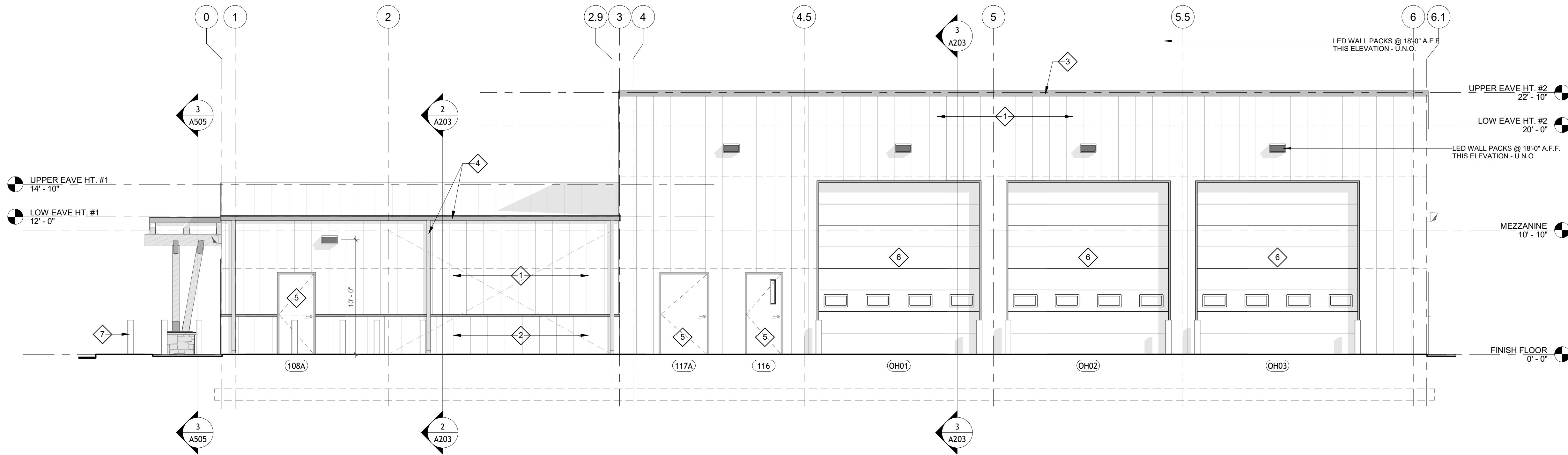
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2)	METAL WALL PANELS: PAC-CLAD BOARD & BATTEN WALL PANELS @ 12" O.C. IN "CHARCOAL GRAY" -OR SIMILAR-
3)	PRE-FINISHED METAL COPING BY PEMB MANUF.: COLOR TO MATCH "BLACK"
4)	GUTTER SYSTEM W/ LEAF GUARDS & DOWNSPOUTS BY PEMB MANUF. IN "BLACK"
5)	EXTERIOR HOLLOW METAL DOORS: PAINT TO MATCH "T.B.D."
6)	RAYNOR TM220 SECTIONAL STEEL DOORS: COLOR TO MATCH "WHITE"
7)	PIPE BOLLARD: COLOR "T.B.D." - SEE 3/A602 FOR PIPE BOLLARD DETAILS

GENERAL NOTES:

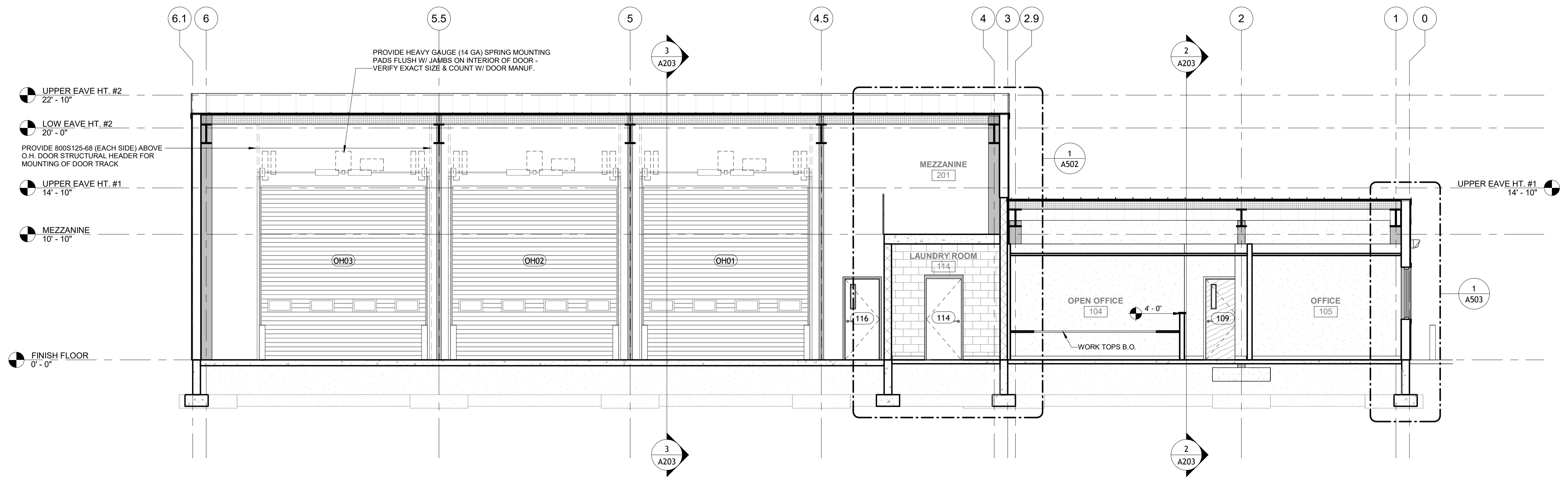
A) ALL METAL WALL PANELS TO COME WITH ALL FLASHING, TRIMS & END CAPS - VERIFY COLORS WITH ARCHITECT.



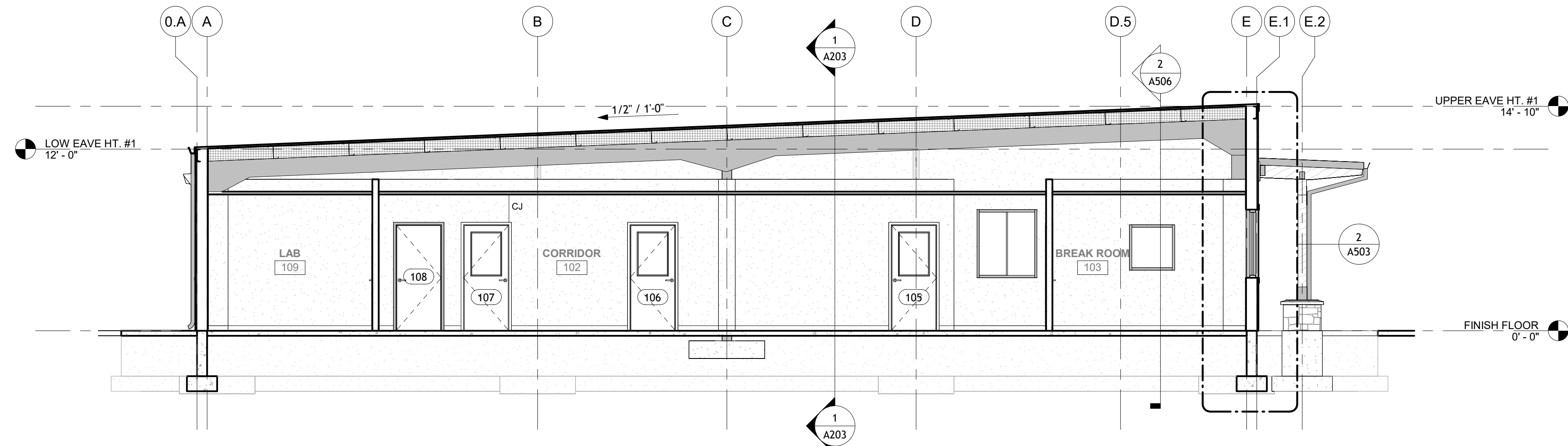
1 SOUTH ELEVATION
3/16" = 1'-0"



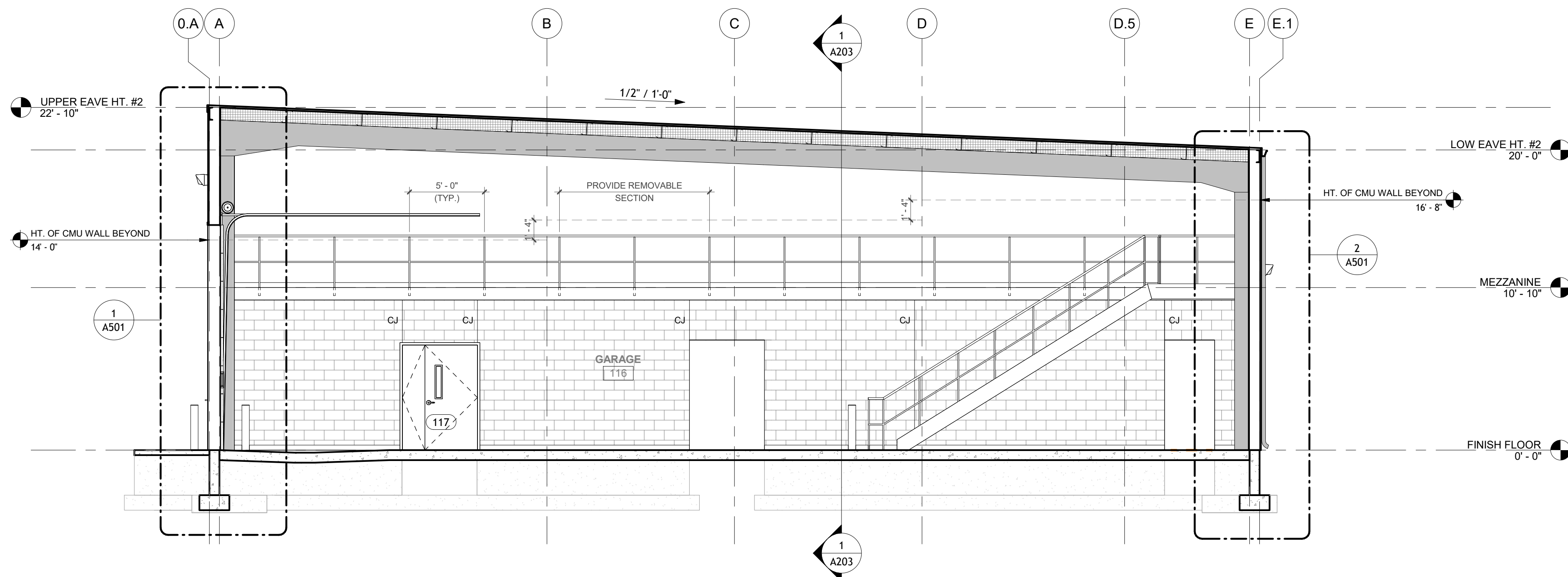
2 WEST ELEVATION
3/16" = 1'-0"



1 NORTH-SOUTH BUILDING SECTION 1
3/16" = 1'-0"



2 EAST-WEST BUILDING SECTION 1
3/16" = 1'-0"



3 EAST-WEST BUILDING SECTION 2
3/16" = 1'-0"



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New Building

for

Forest Preserves of
Winnebago County

Meridian Rd.,
Winnebago County, Illinois

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Scale

3/16" = 1'-0"

Sheet Title

BUILDING SECTIONS

Ref. North Sheet No.

A203

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Scale

1/2" = 1'-0"

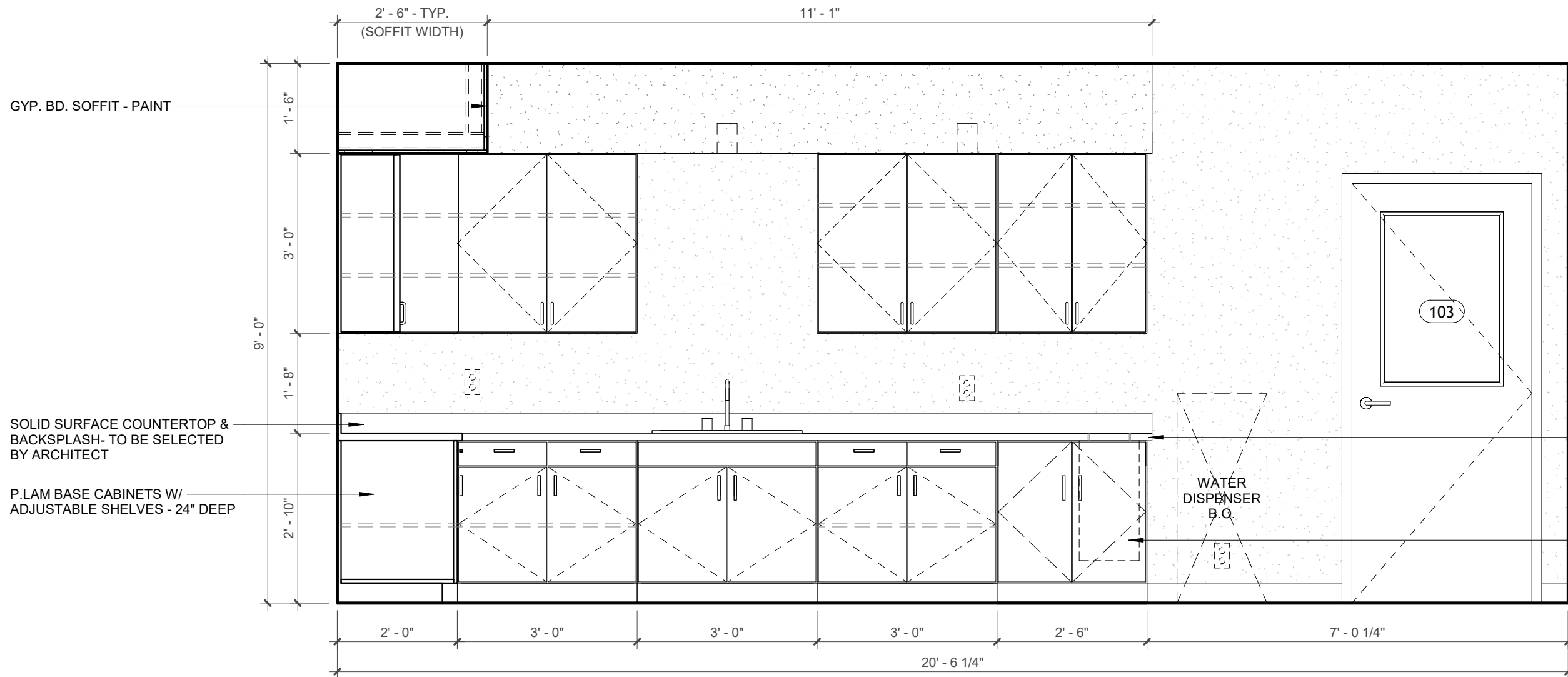
Sheet Title

INTERIOR ELEVATIONS

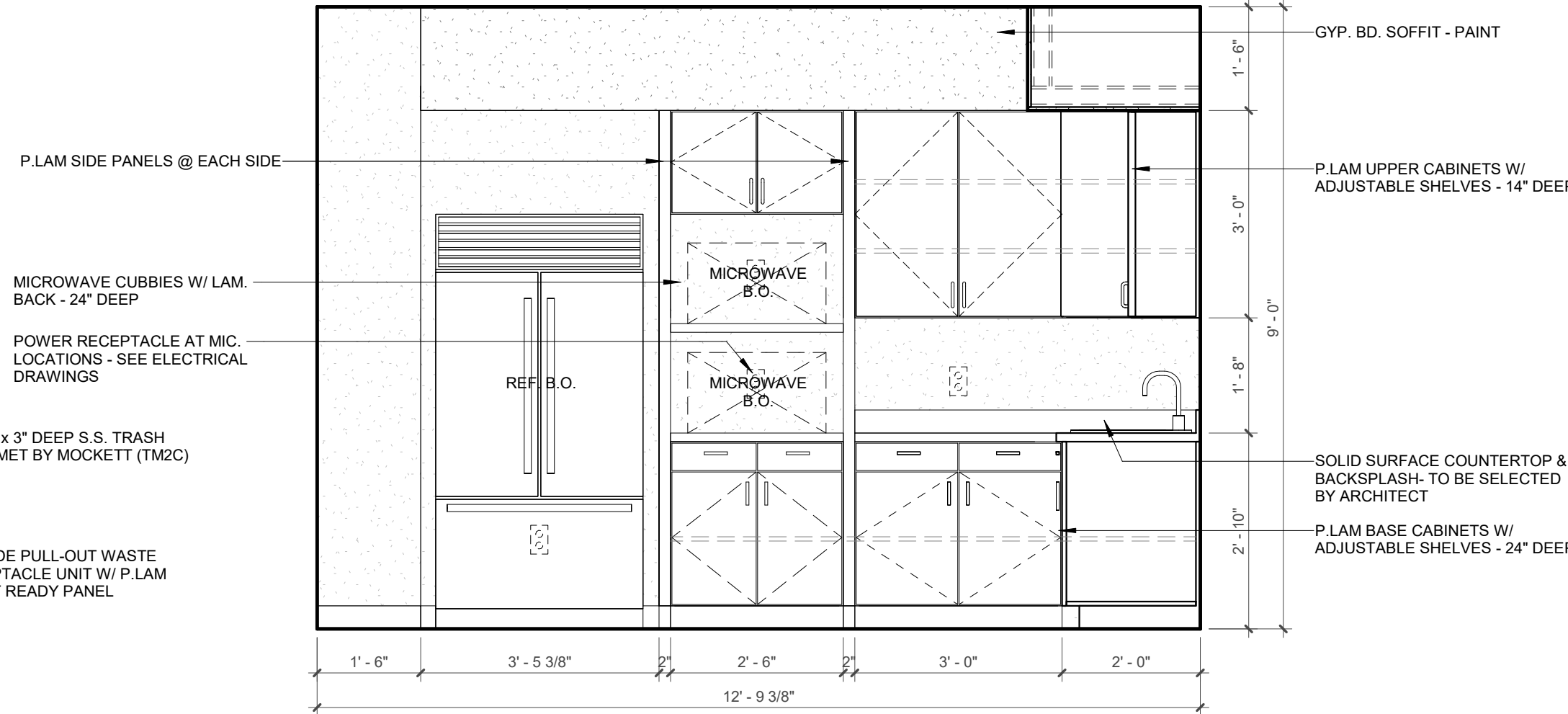
Ref. North Sheet No.

A302

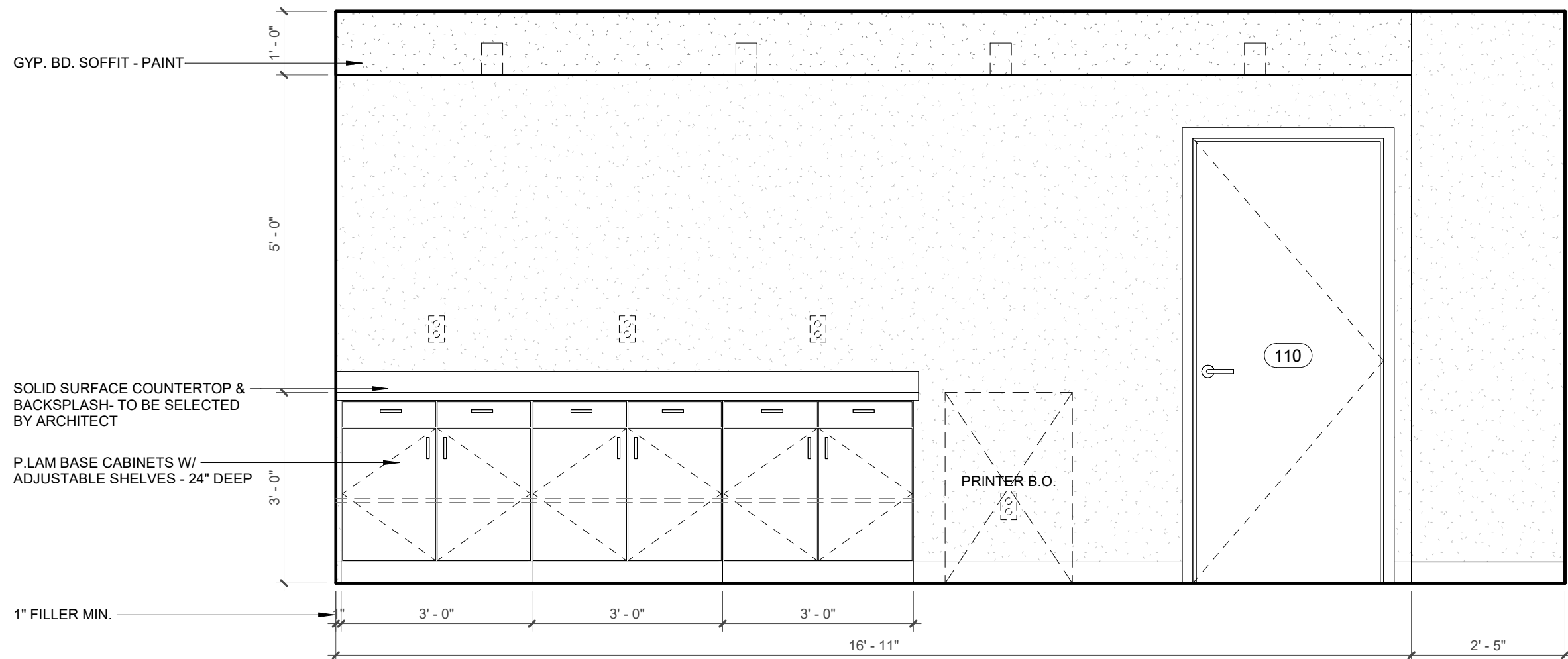
PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



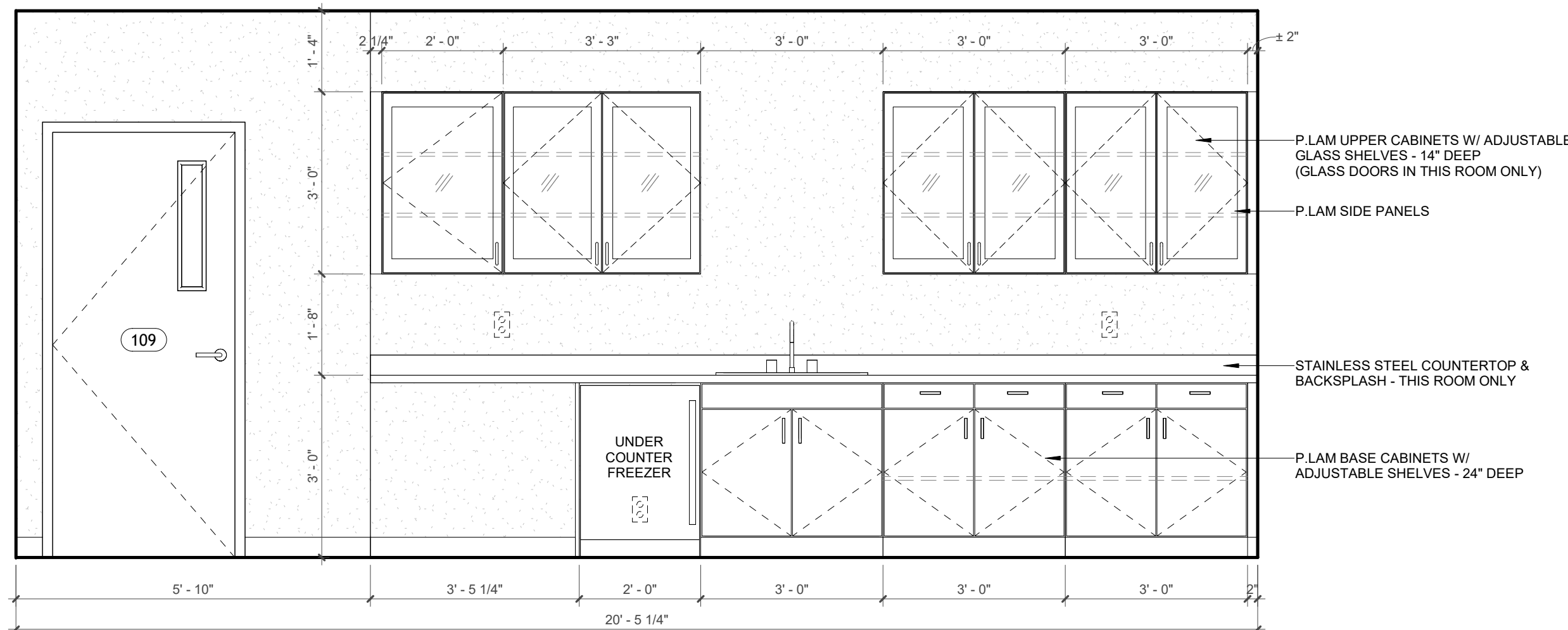
1 INTERIOR ELEVATION @ BREAK ROOM (103) WEST WALL
1/2" = 1'-0"



2 INTERIOR ELEVATION @ BREAK ROOM (103) SOUTH WALL
1/2" = 1'-0"



3 INTERIOR ELEVATION @ CORRIDOR (102) SOUTH WALL
1/2" = 1'-0"



4 INTERIOR ELEVATION @ LAB ROOM (109) EAST WALL
1/2" = 1'-0"



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Scale

1/8" = 1'-0"

Sheet Title

REFLECTED CEILING
PLAN

Ref. North

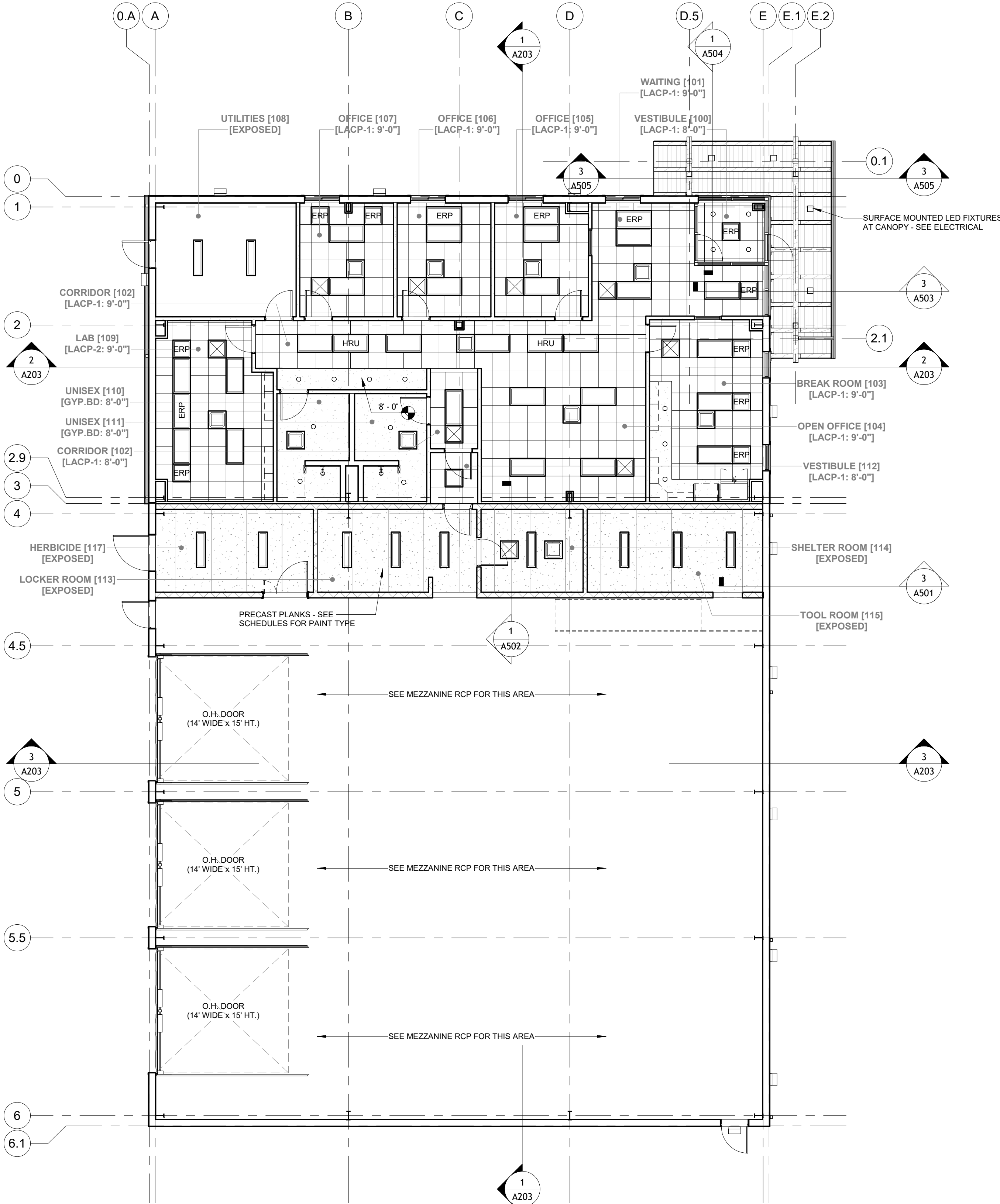


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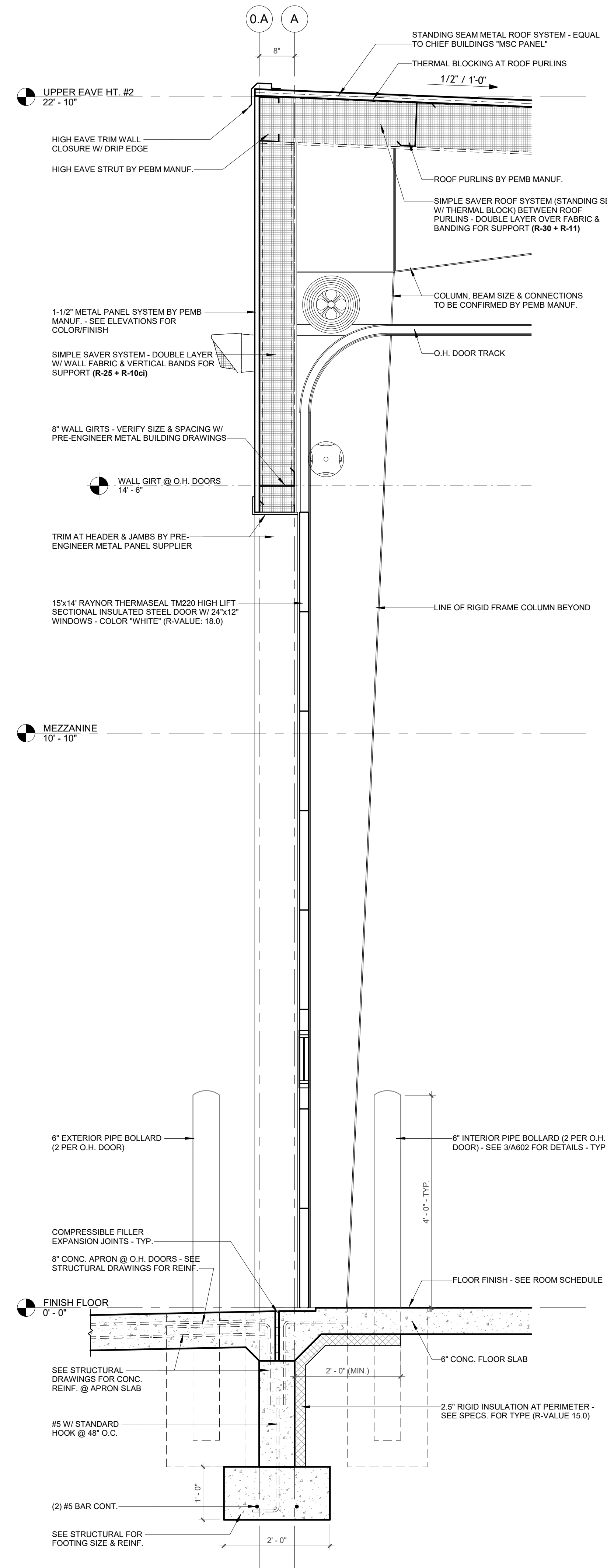
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PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

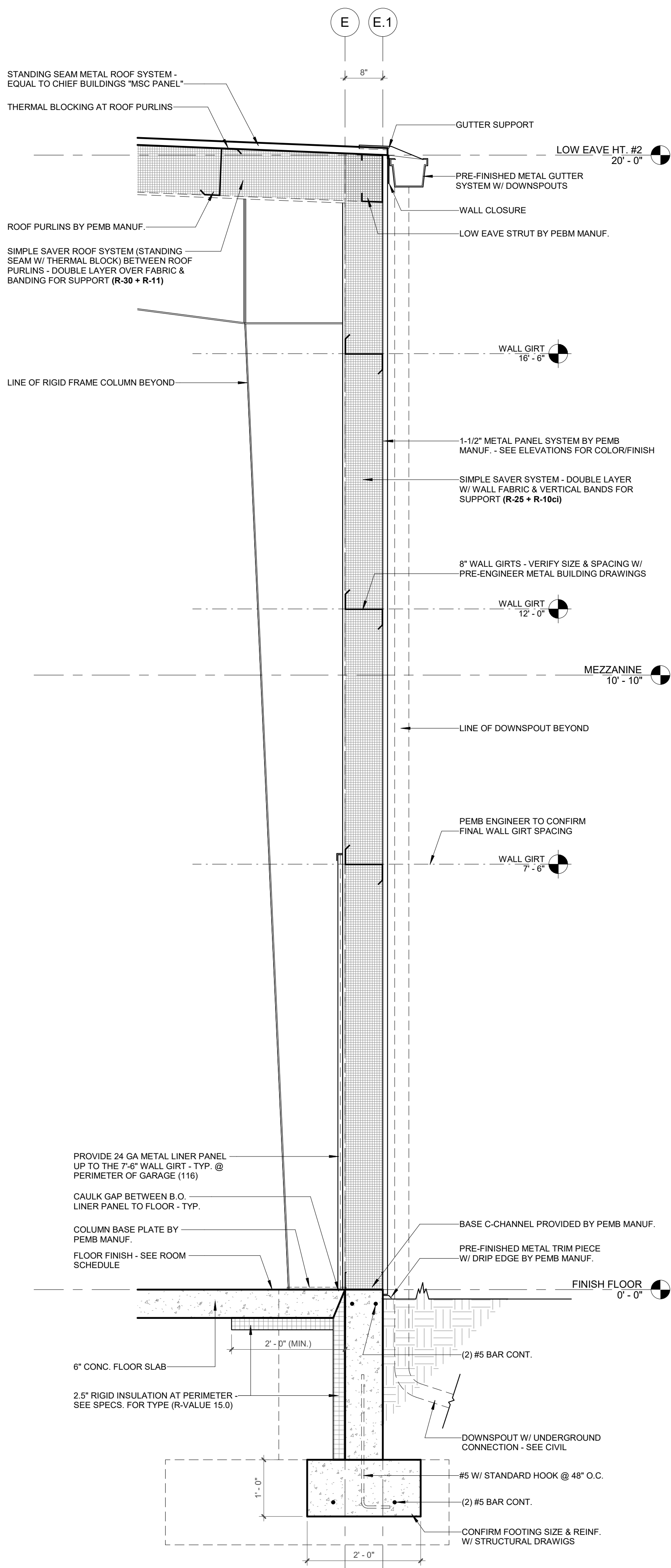
REFLECTED CEILING PLAN LEGEND			
	2 X 4 RECESSED -OR- PENDANT LED (REF. ELECTRICAL)		SUPPLY DIFFUSER (REF. MECHANICAL)
	1 X 4 RECESSED -OR- PENDANT LED (REF. ELECTRICAL)		RETURN DIFFUSER (REF. MECHANICAL)
	4' SUSPENDED LED FIXTURE (REF. ELECTRICAL)		VRF UNIT (REF. MECHANICAL)
	5/8\" GYP. BD. CEILINGS/SOFFITS		ELECTRIC RADIANT CEILING PANEL - SIZE VARIES (REF. MECHANICAL)
	2x2 ACOUSTICAL CEILING PANEL SYSTEM		VRF HEAT RECOVERY UNIT - SIZE VARIES (REF. MECHANICAL)
	LED PENDANT (REF. ELECTRICAL)		
	LED RECESSED DOWNLIGHT (REF. ELECTRICAL)		
	LED SURFACE MOUNTED SQUARE FIXTURE @ EXTERIOR CANOPY (REF. ELECTRICAL)		
- ALL SUSPENDED ACOUSTICAL CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF ASTM C 635 & ASTM C636, IBC 808.9.1.1.			
- SEE ELECTRICAL DRAWINGS FOR ALL LED LIGHT FIXTURES COLOR TEMP.			



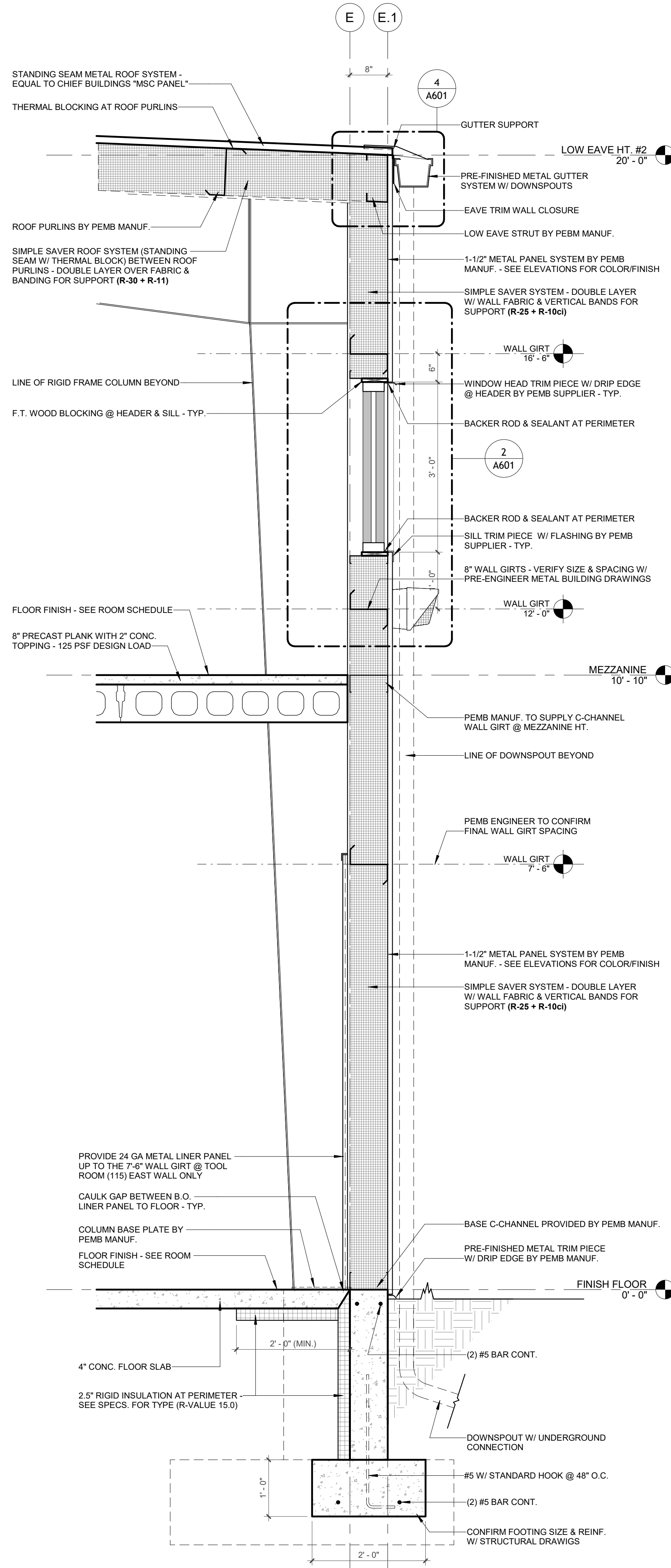
1 REFLECTED CEILING PLAN
1/8" = 1'-0"



1 WALL SECTION 1
3/4" = 1'-0"



2 WALL SECTION 2
3/4" = 1'-0"



3 WALL SECTION 3
3/4" = 1'-0"



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Scale 3/4" = 1'-0"

Sheet Title

WALL SECTIONS

Ref. North Sheet No.

A501

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

Sheet Title

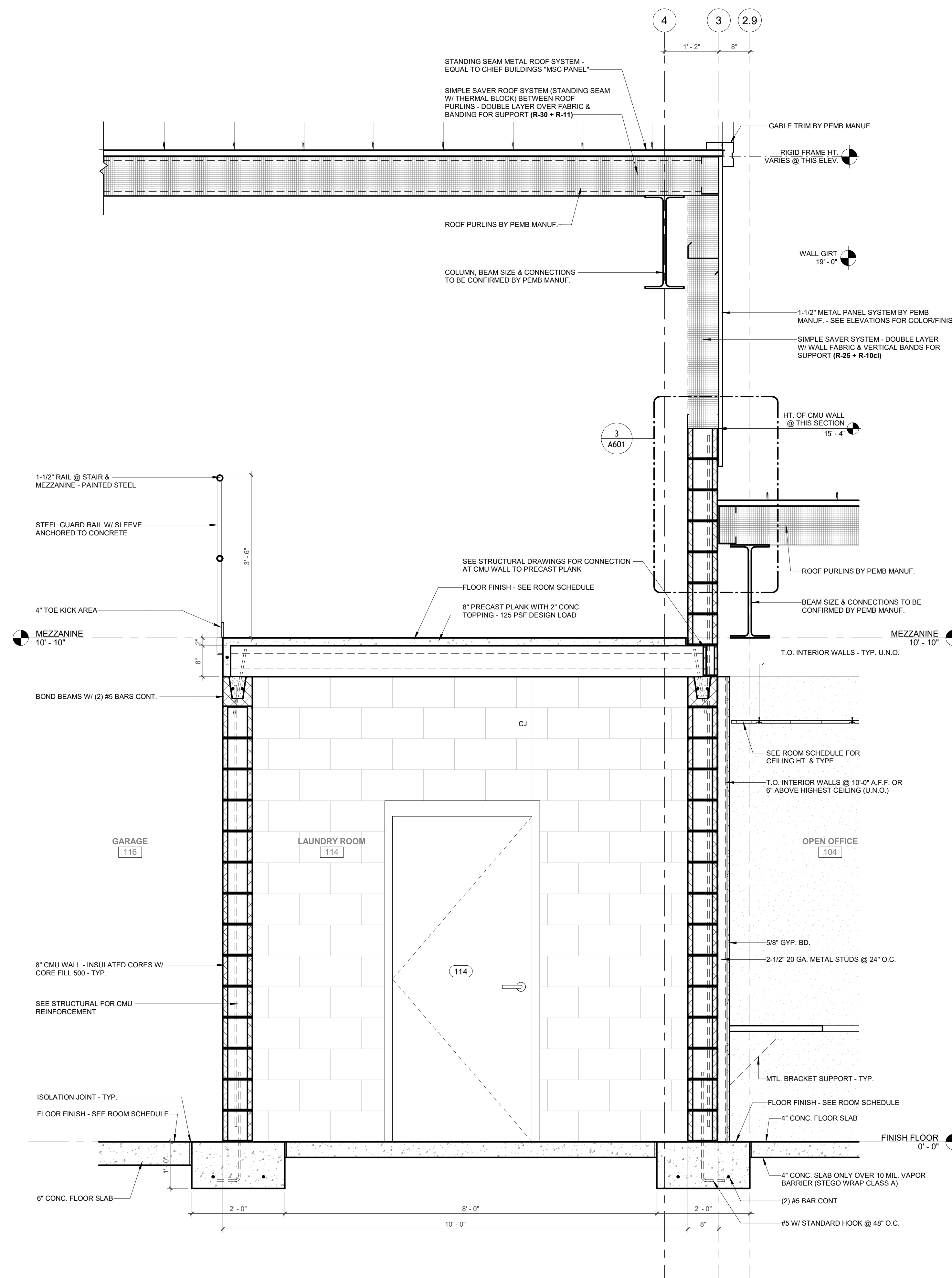
WALL SECTIONS

Ref. North

Sheet No.

A502

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



① WALL SECTION 4 @ MEZZANINE
3/4" = 1'-0"

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3/4" = 1'-0"

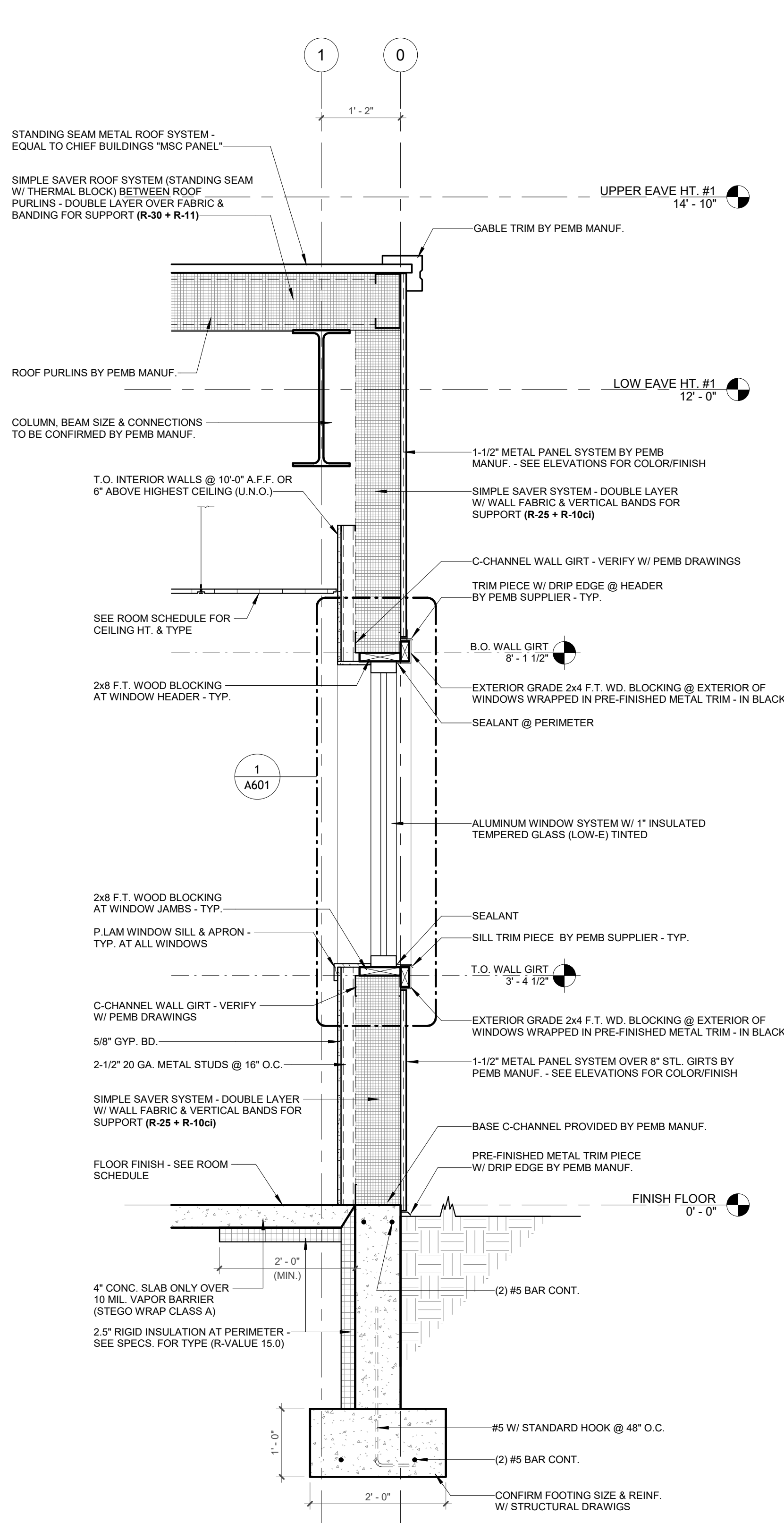
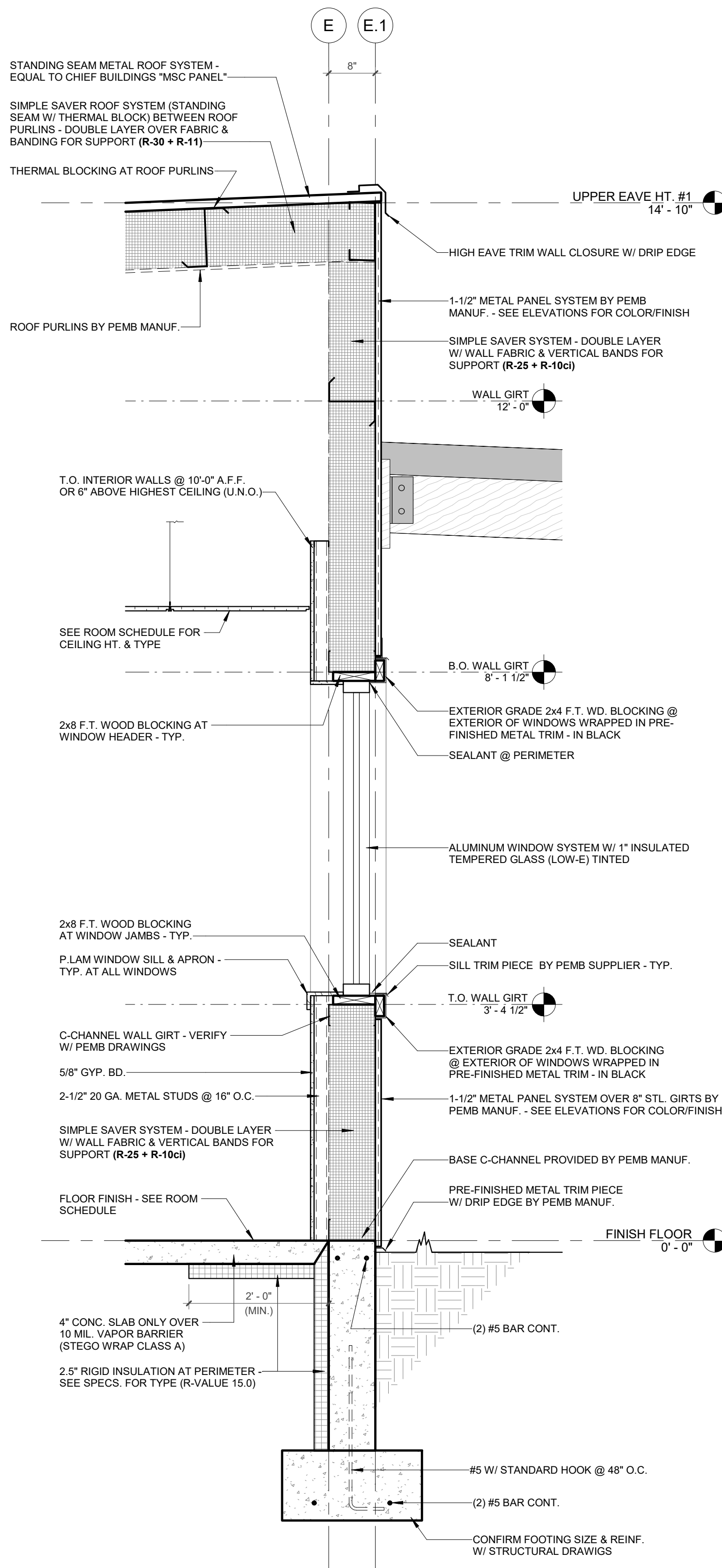
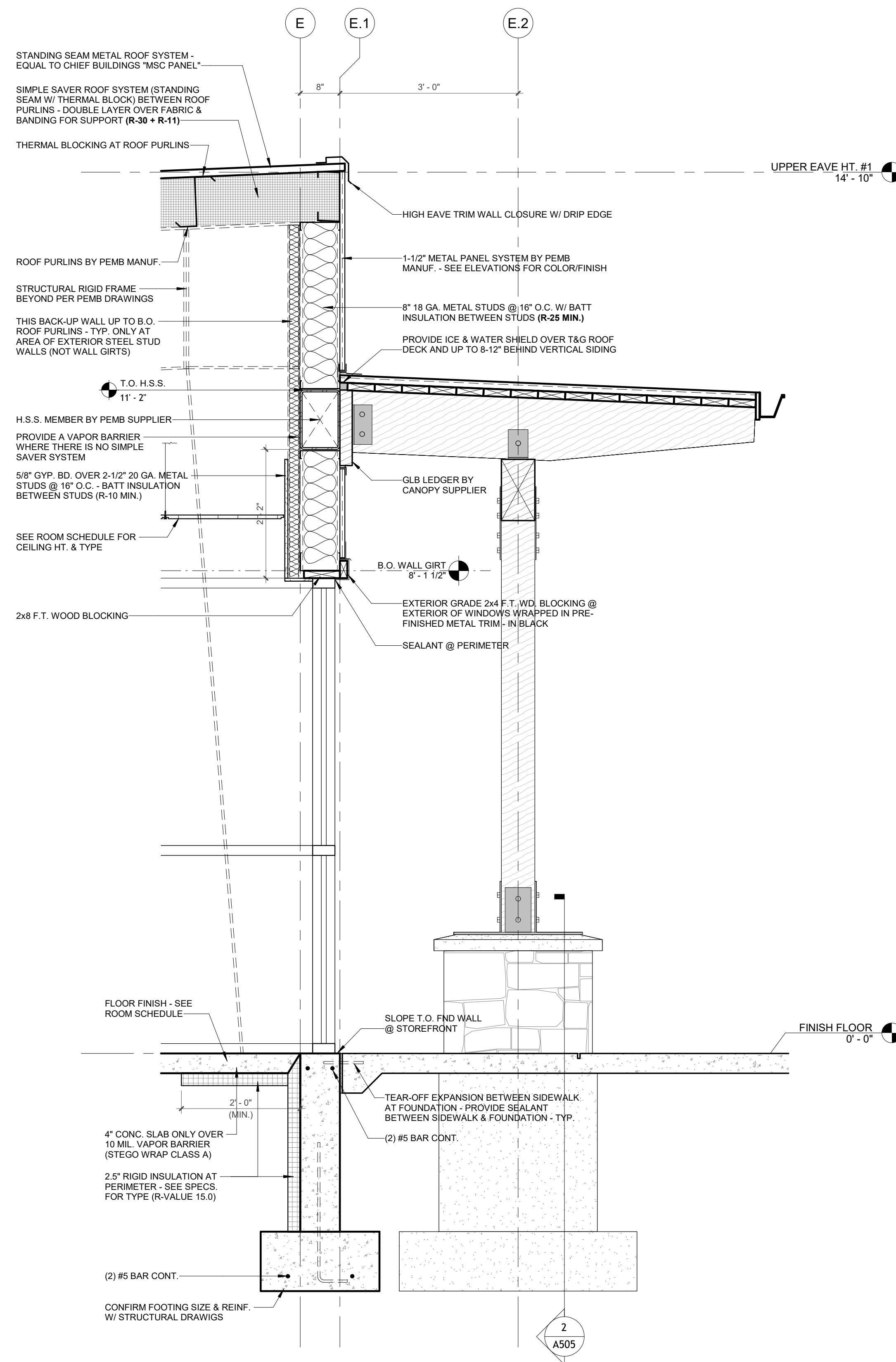
Sheet Title

WALL SECTIONS

Ref. North

Sheet No.

A503

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-0033421 WALL SECTION 5
3/4" = 1'-0"2 WALL SECTION 6
3/4" = 1'-0"3 ENLARGED WALL SECTION @ CANOPY 1
3/4" = 1'-0"



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Scale

As indicated

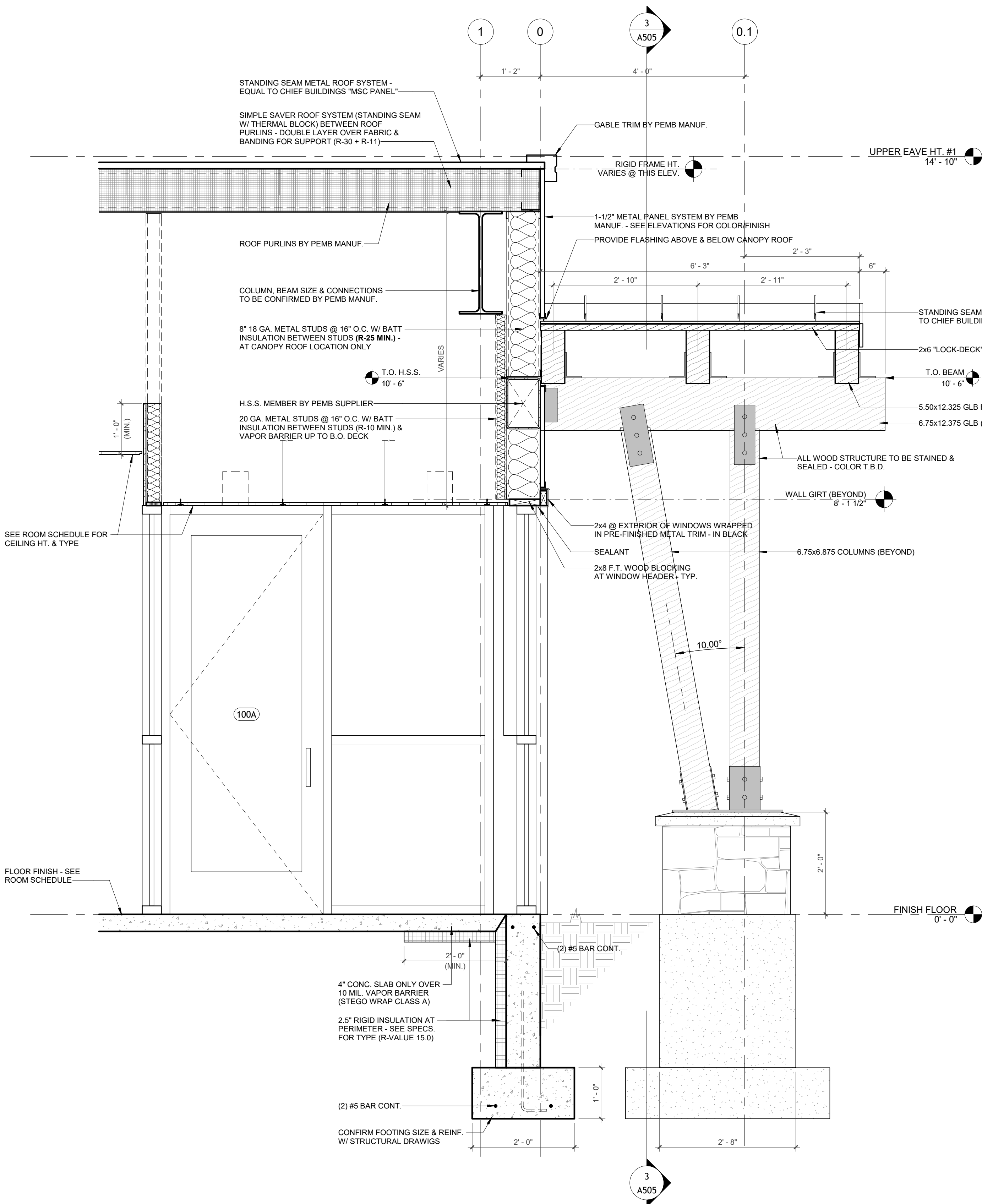
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CANOPY SECTIONS

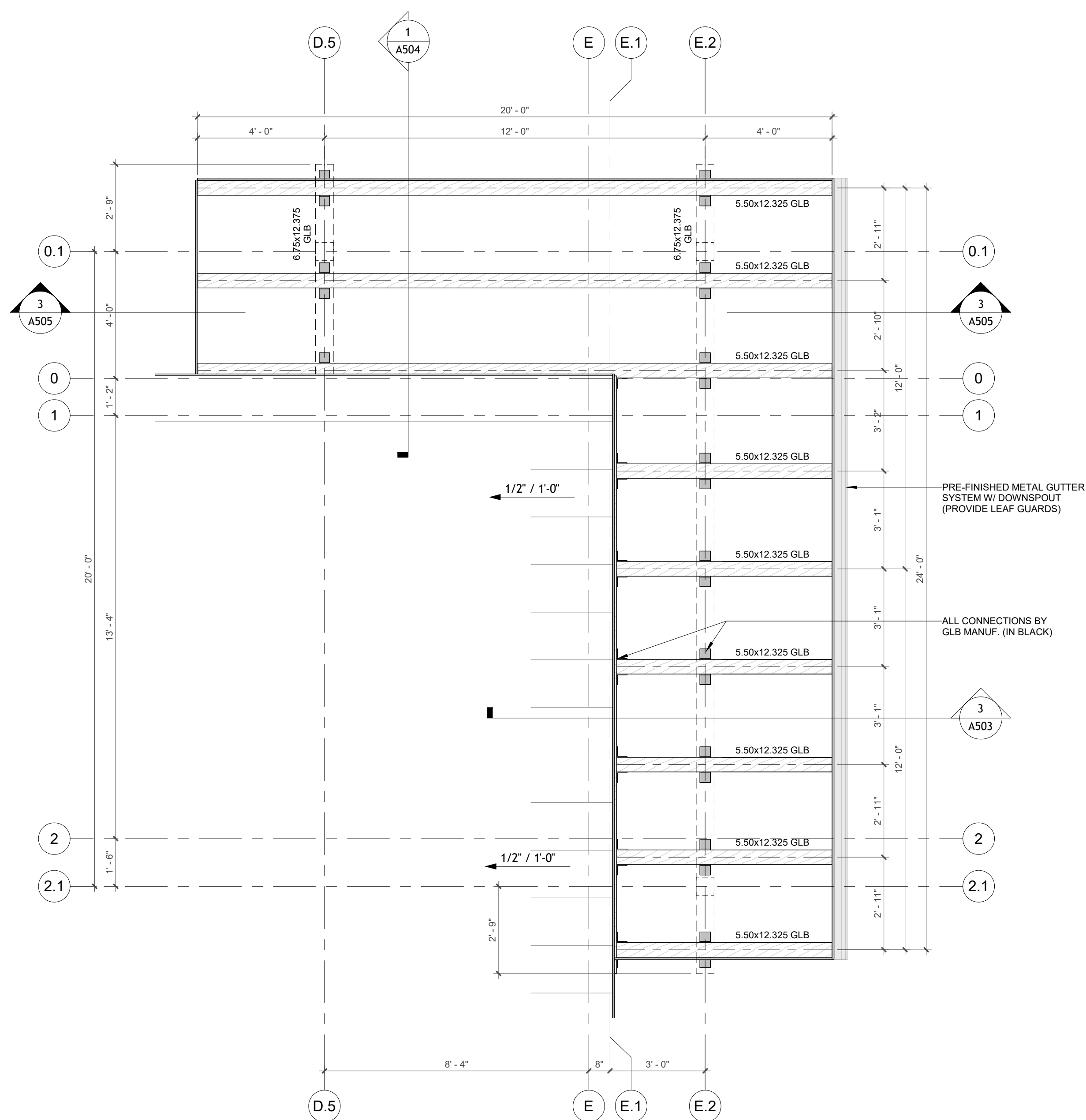
Ref. North Sheet No.

A504

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1 ENLARGED WALL SECTION @ CANOPY 2
3/4" = 1'-0"



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



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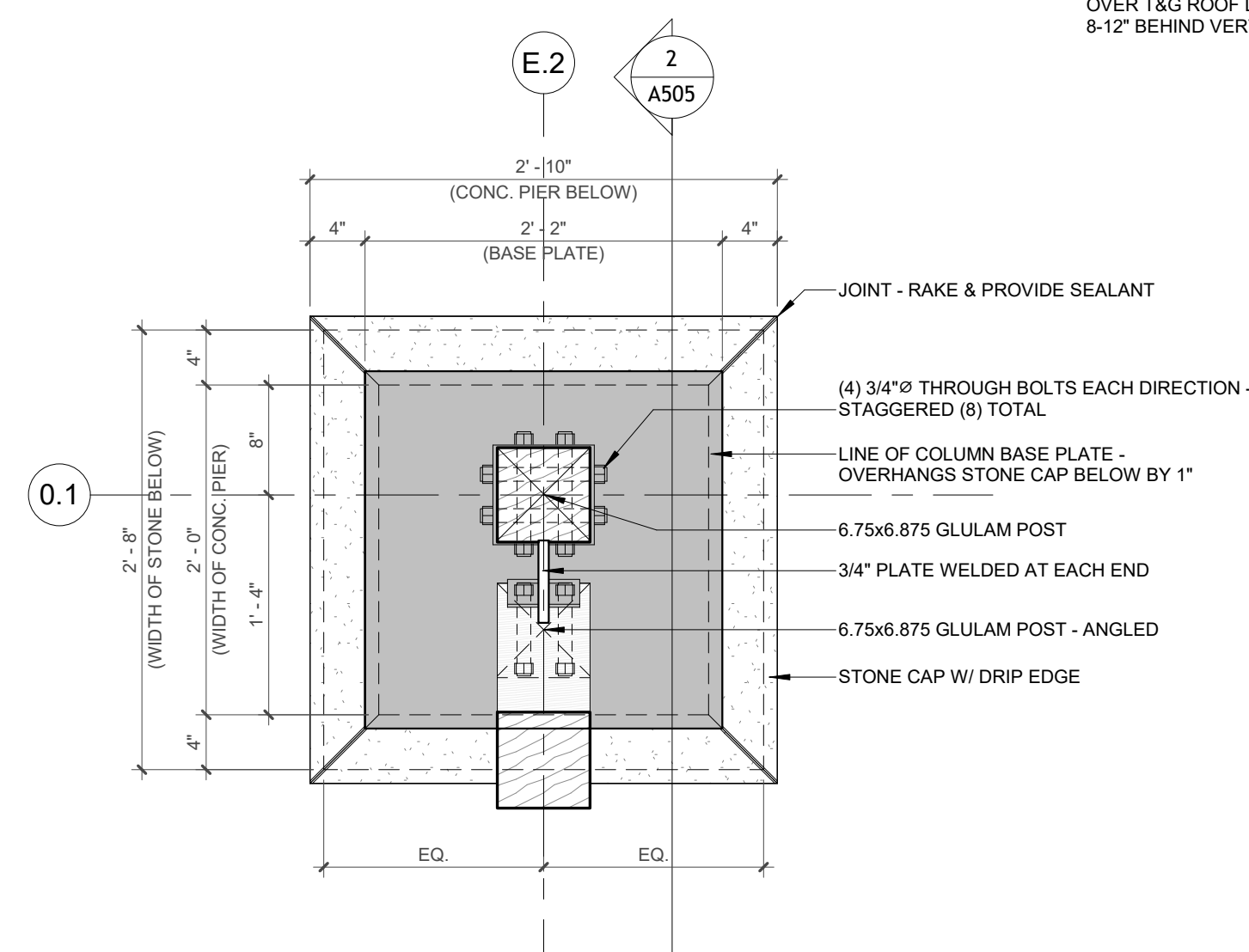
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CANOPY SECTIONS & DETAILS

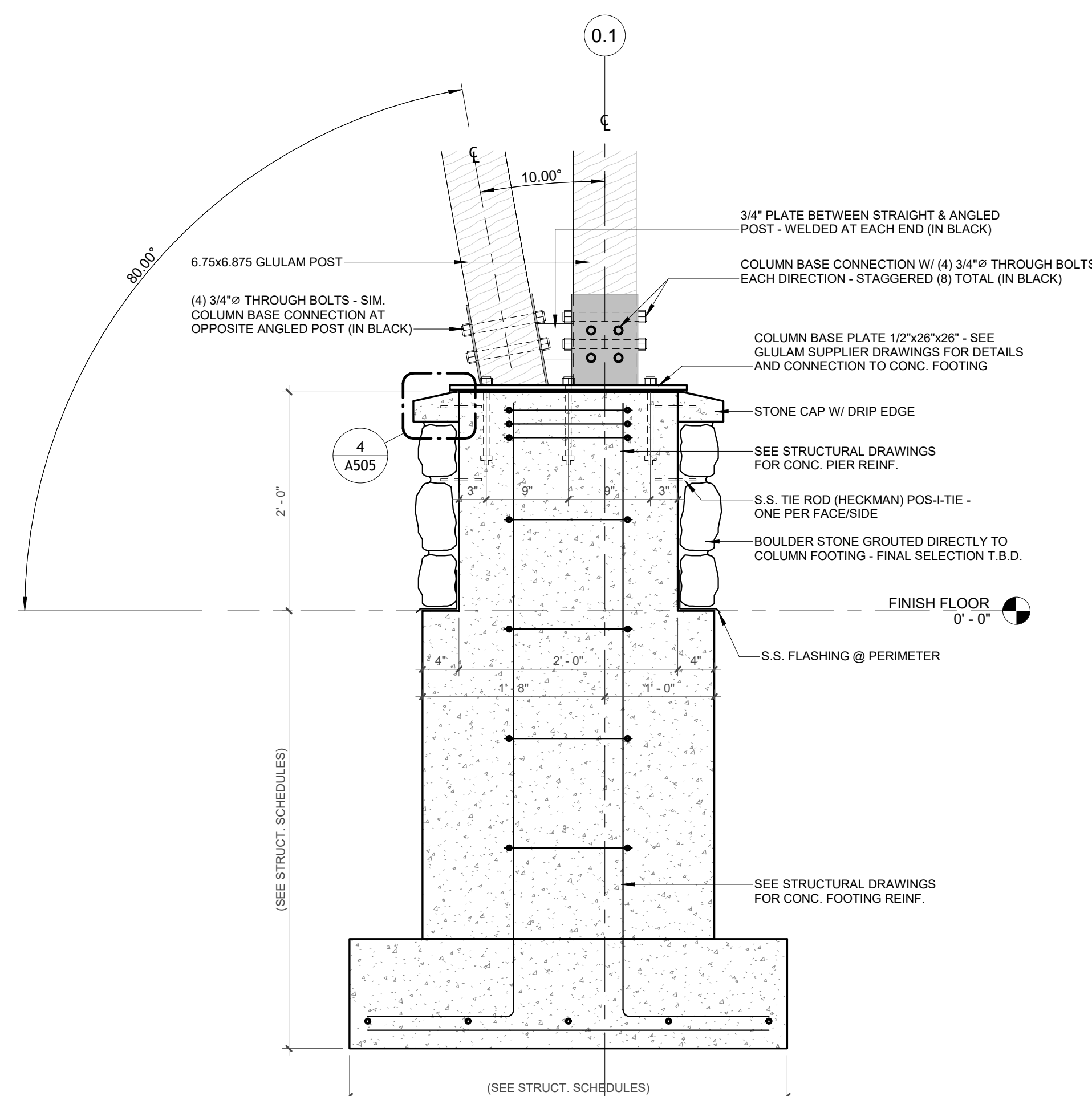
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A505

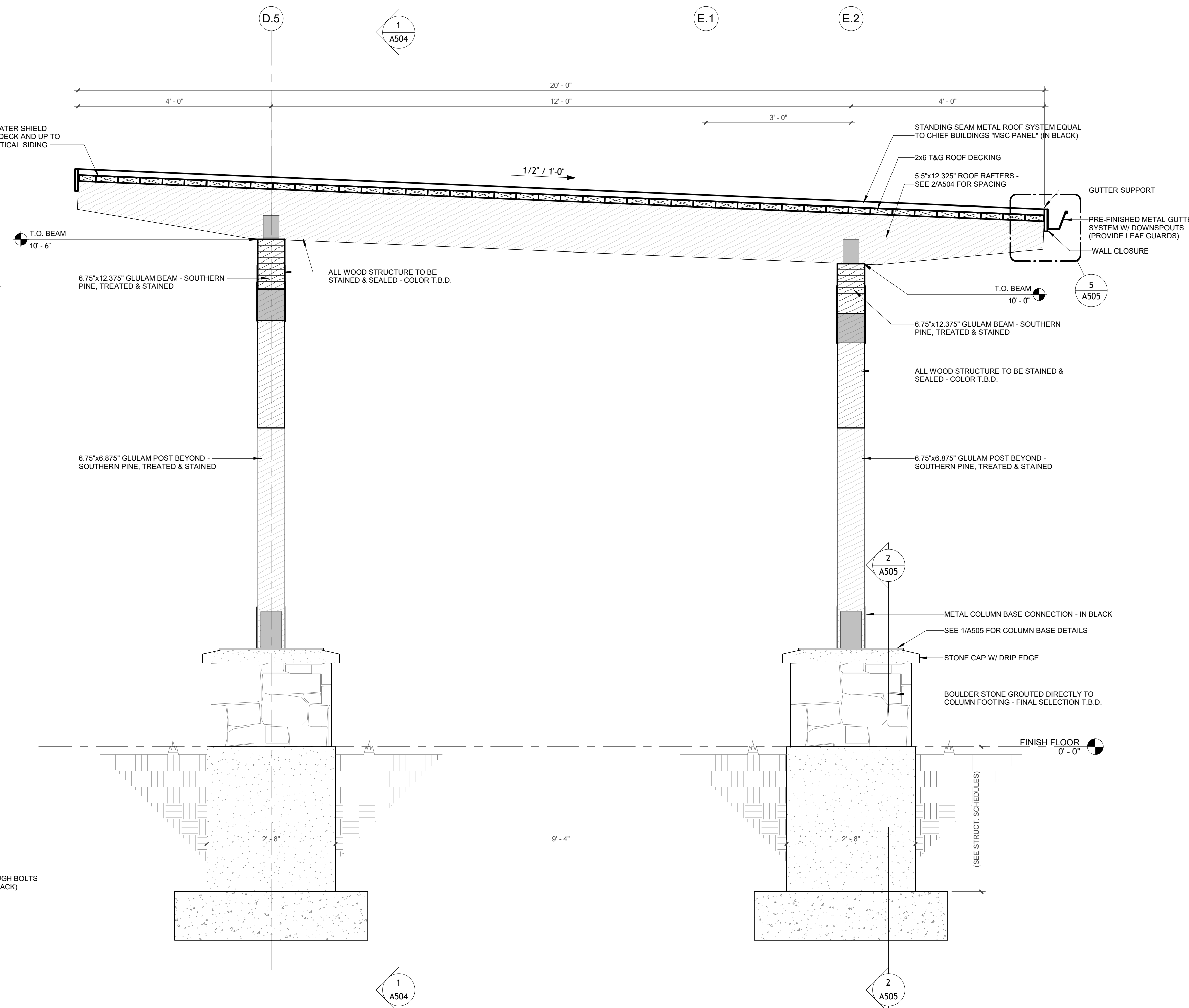
PROFESSIONAL DESIGN FIRM REGISTRATION #
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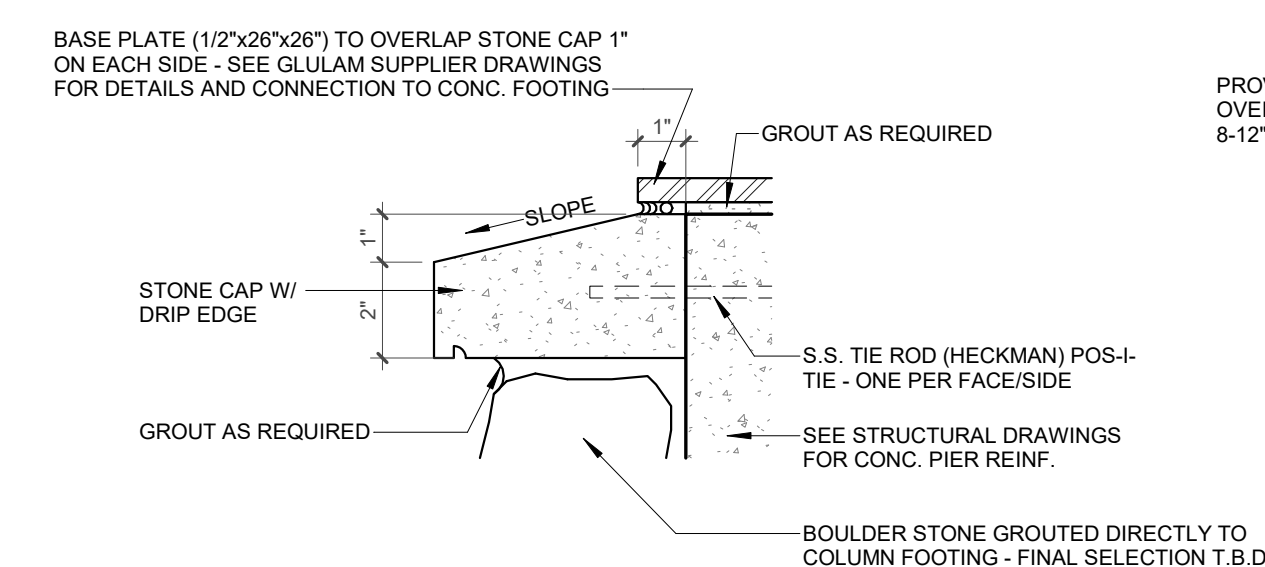
1 ENLARGED FLOOR PLAN @ CANOPY COLUMN - TYP.
1" = 1'-0"



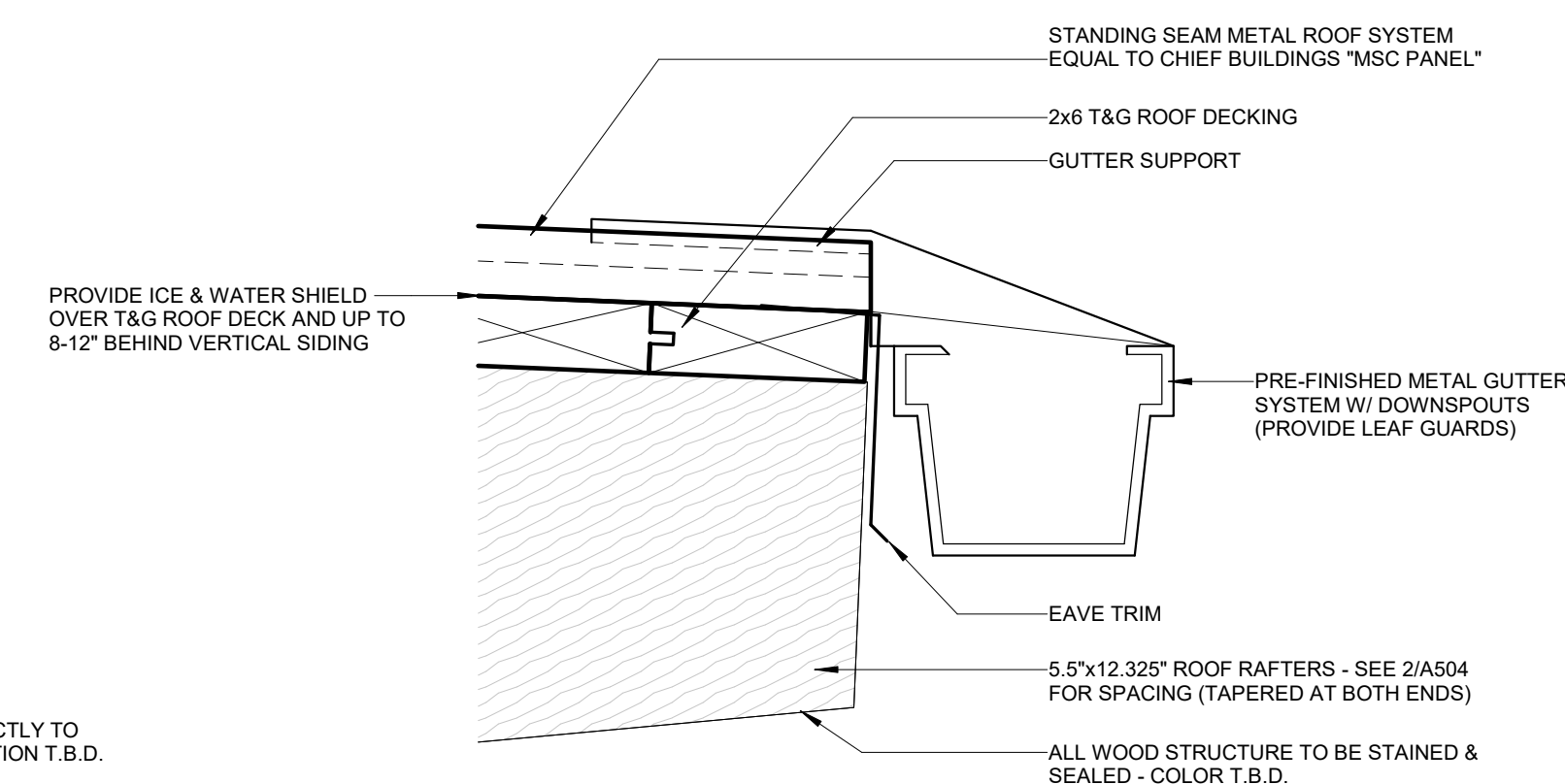
2 ENLARGED SECTION @ CANOPY COLUMN
1" = 1'-0"



3 ENLARGED SECTION @ CANOPY 1
3/4" = 1'-0"



4 ENLARGED SECTION @ CANOPY COLUMN STONE CAP
3" = 1'-0"



5 ENLARGED SECTION @ CANOPY GUTTER SYSTEM
3" = 1'-0"



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3/4" = 1'-0"

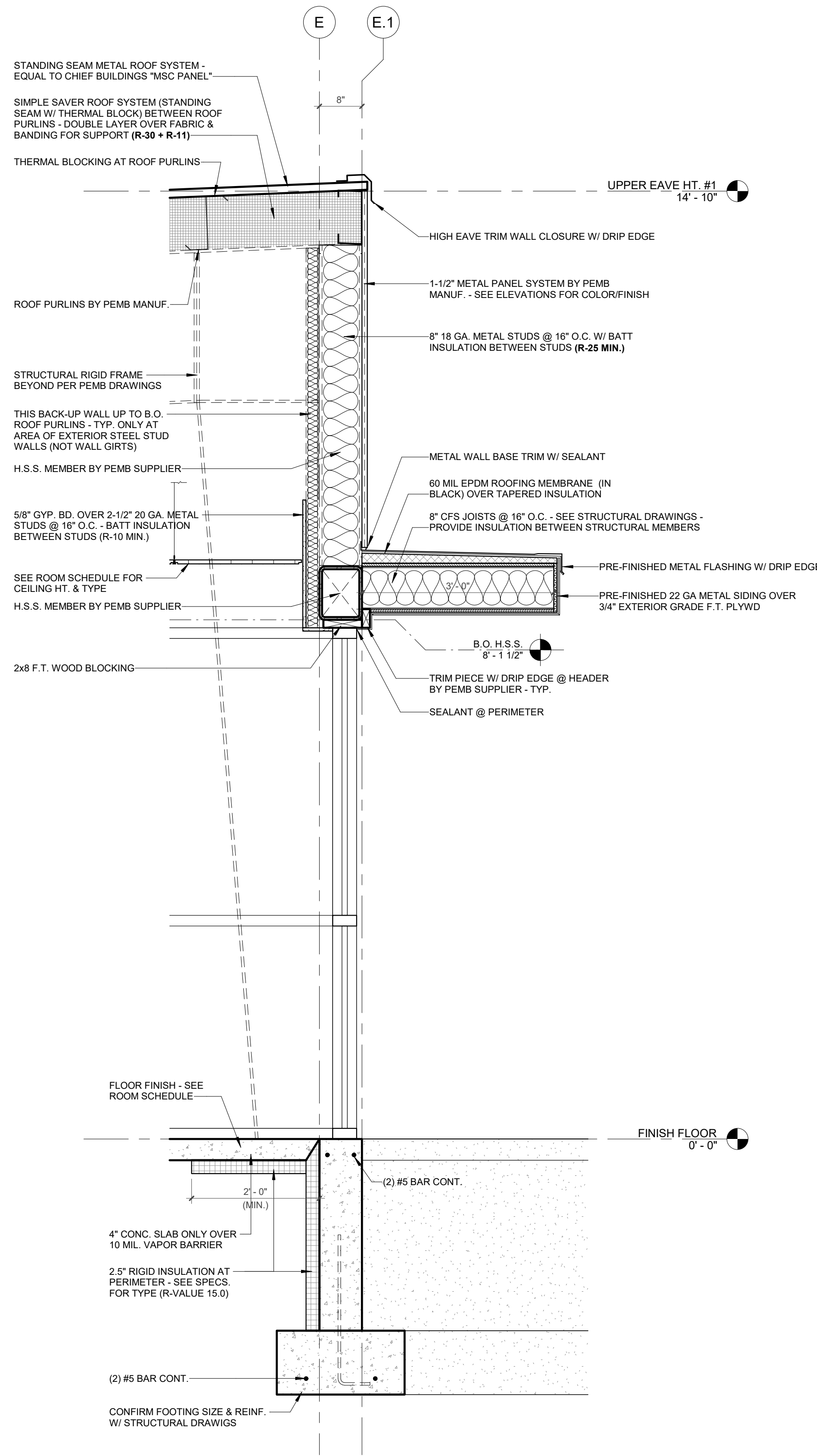
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CANOPY SECTIONS -
ALTERNATE #1

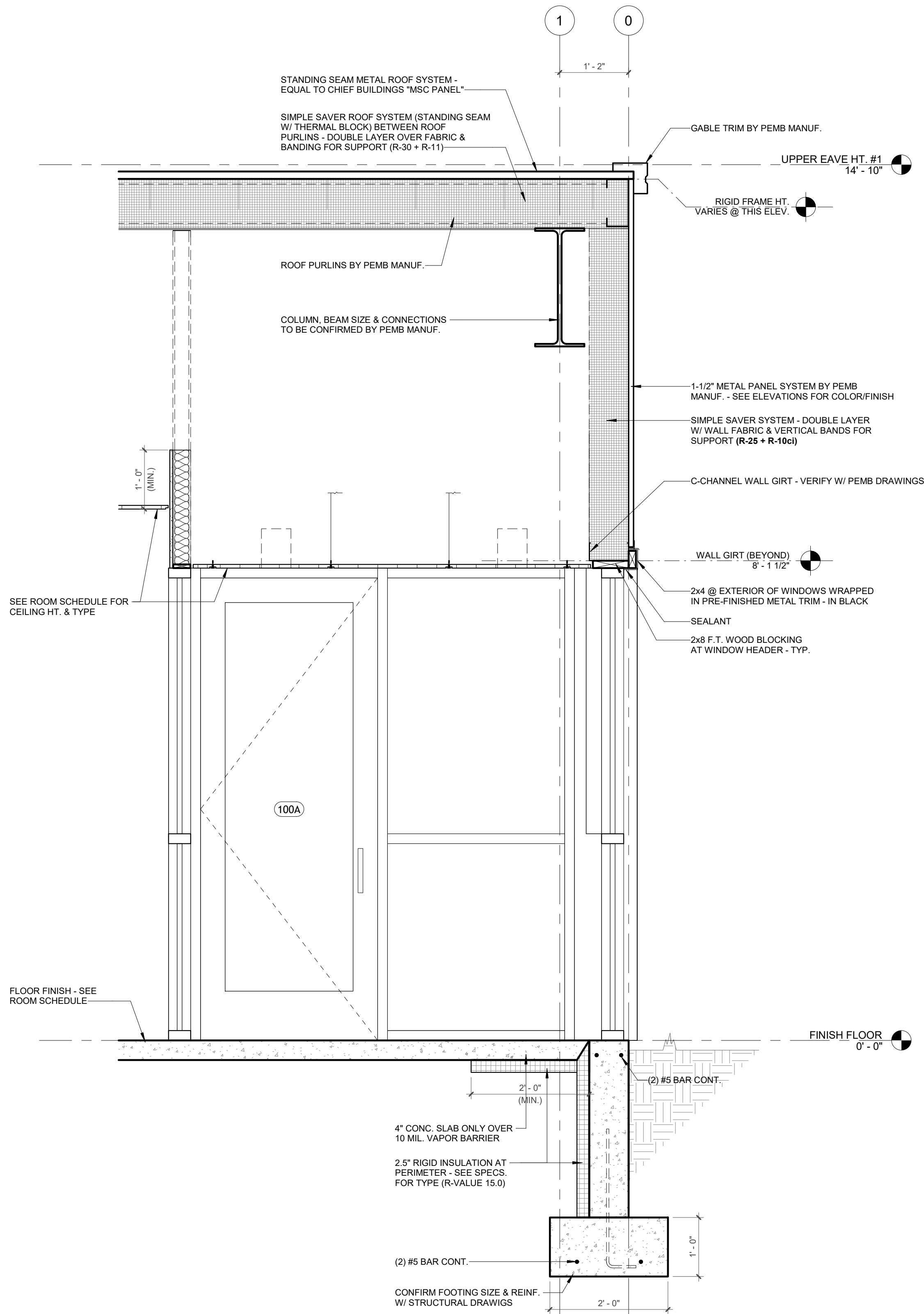
Ref. North Sheet No.

A506

PROFESSIONAL DESIGN FIRM REGISTRATION #
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1 ENLARGED WALL SECTION @ CANOPY 1 (ALT. #1)
3/4" = 1'-0"



2 ENLARGED WALL SECTION @ CANOPY 2 (ALT. #1)
3/4" = 1'-0"

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As indicated

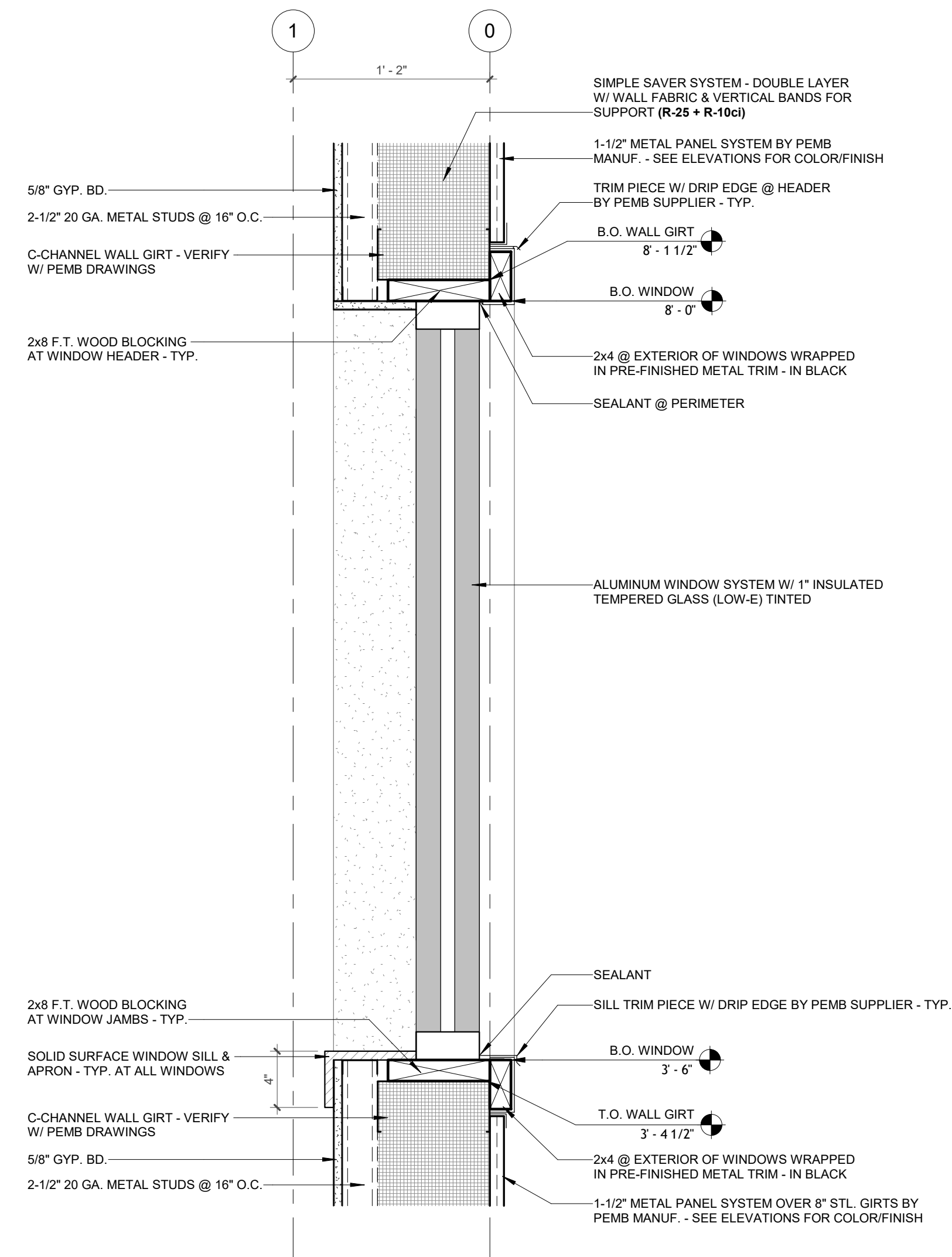
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WALL SECTION DETAILS

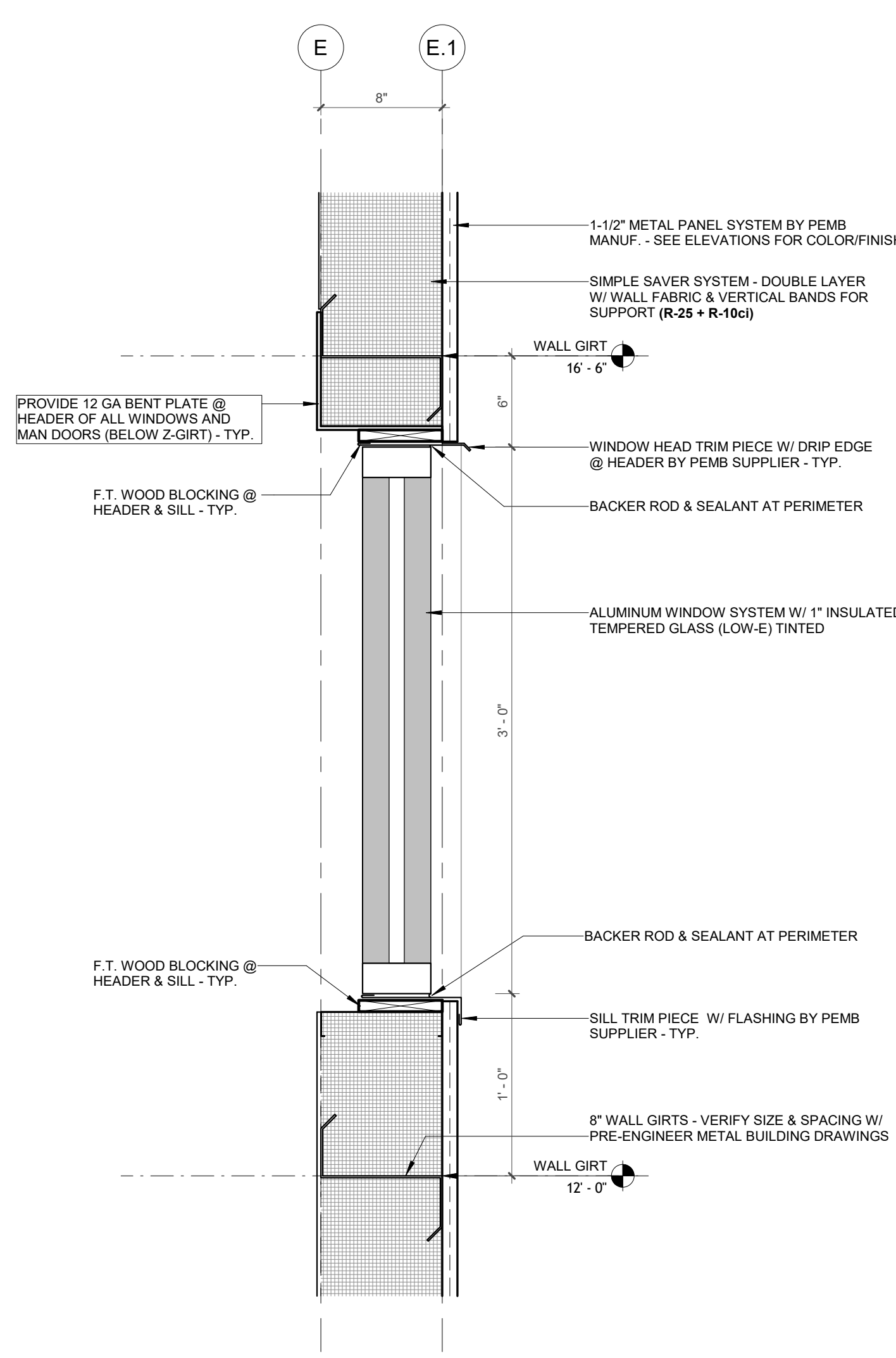
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Sheet No.

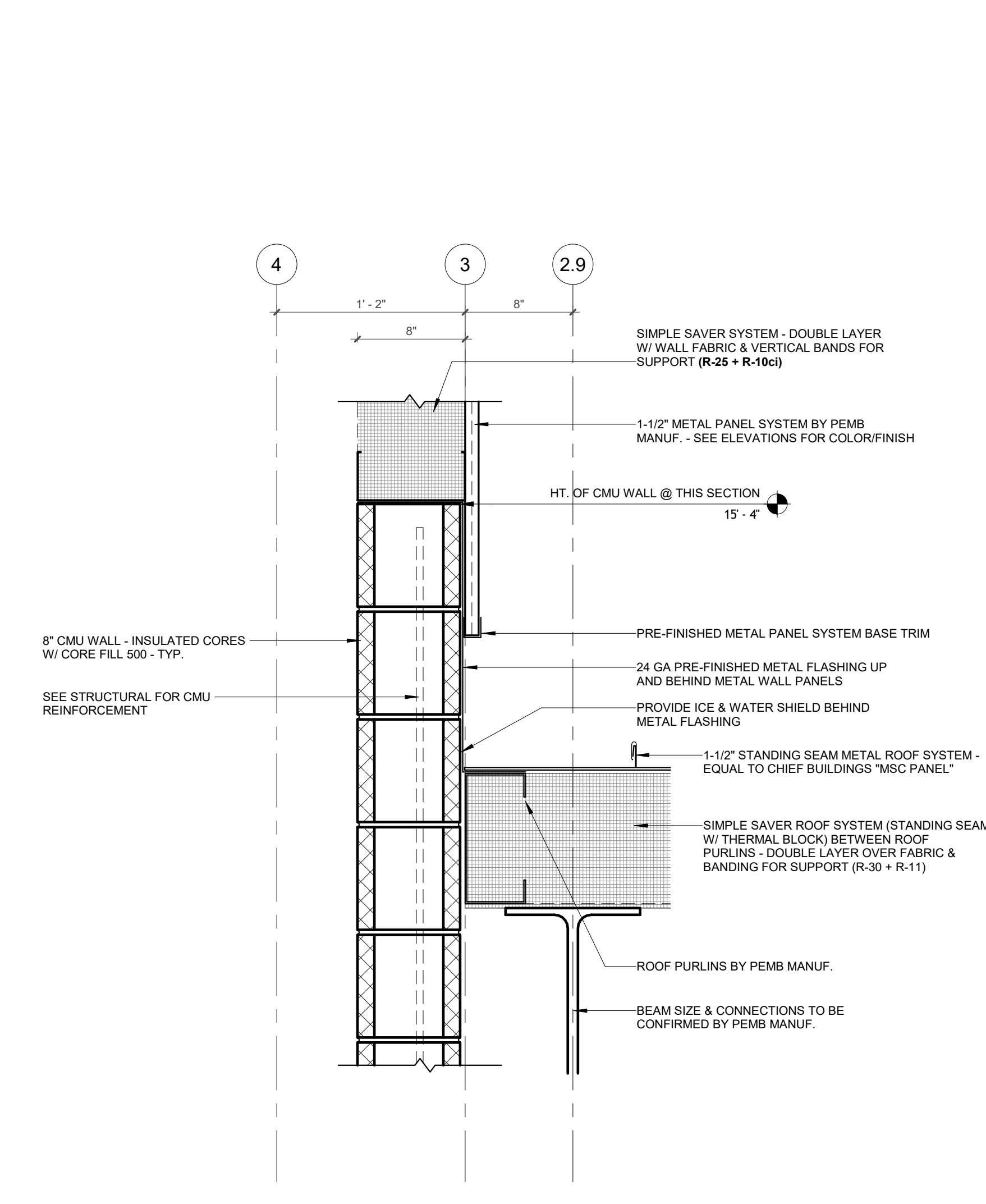
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184-003342

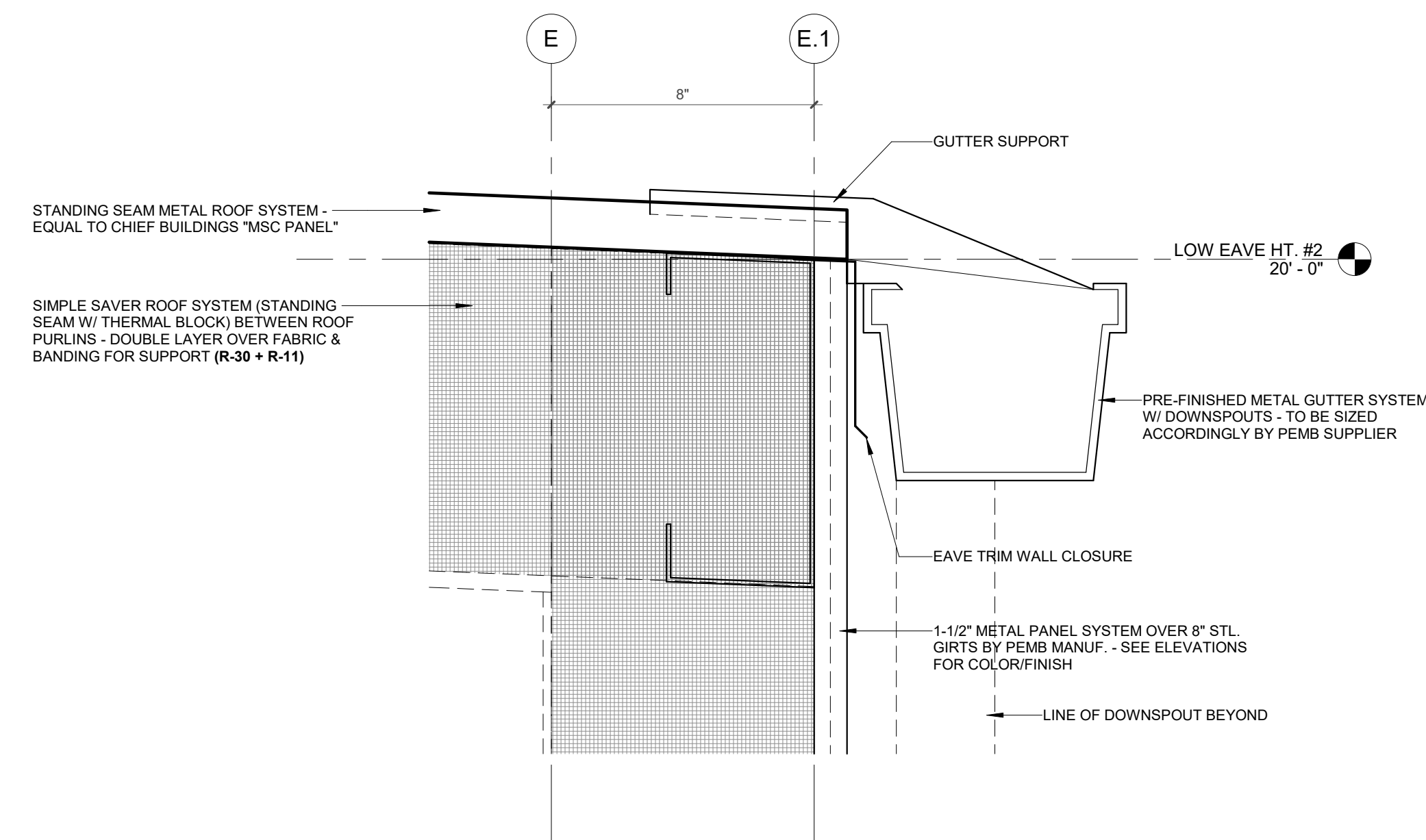
1 WALL SECTION DETAIL OFFICE WINDOW - TYP.
1 1/2" = 1'-0"



2 WALL SECTION DETAIL @ GARAGE UPPER WINDOW
1 1/2" = 1'-0"



3 WALL SECTION DETAIL @ ABOVE CMU WALL PARTITION
1 1/2" = 1'-0"



4 ENLARGED WALL SECTION @ GUTTER SYSTEM - TYP.
3" = 1'-0"



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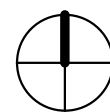
As indicated

Sheet Title

METAL STAIRS DETAILS

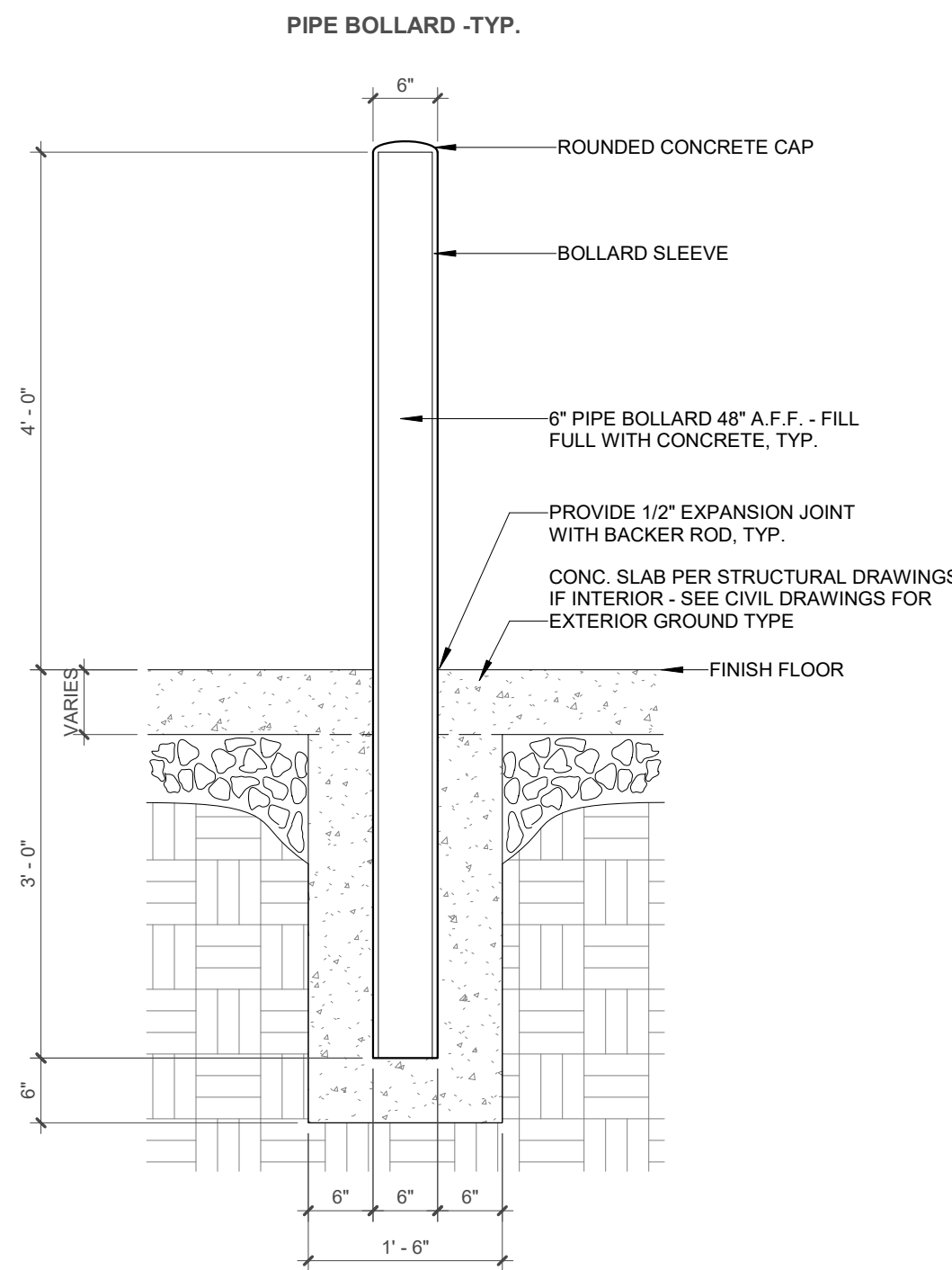
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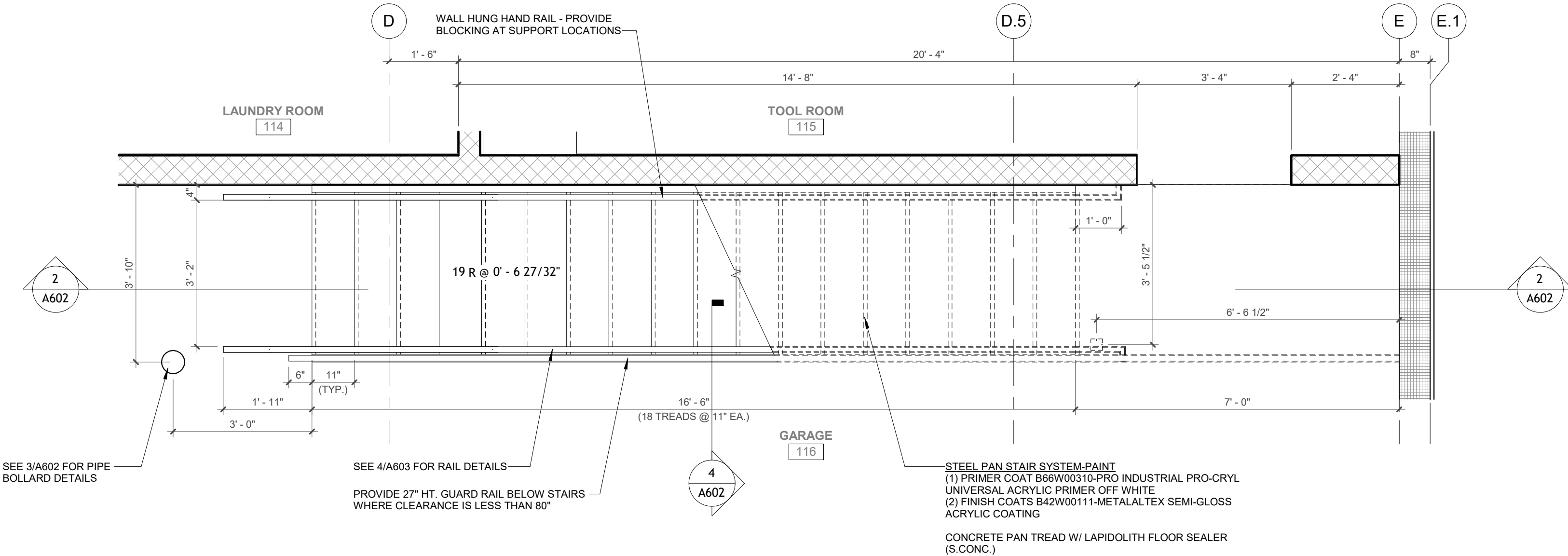


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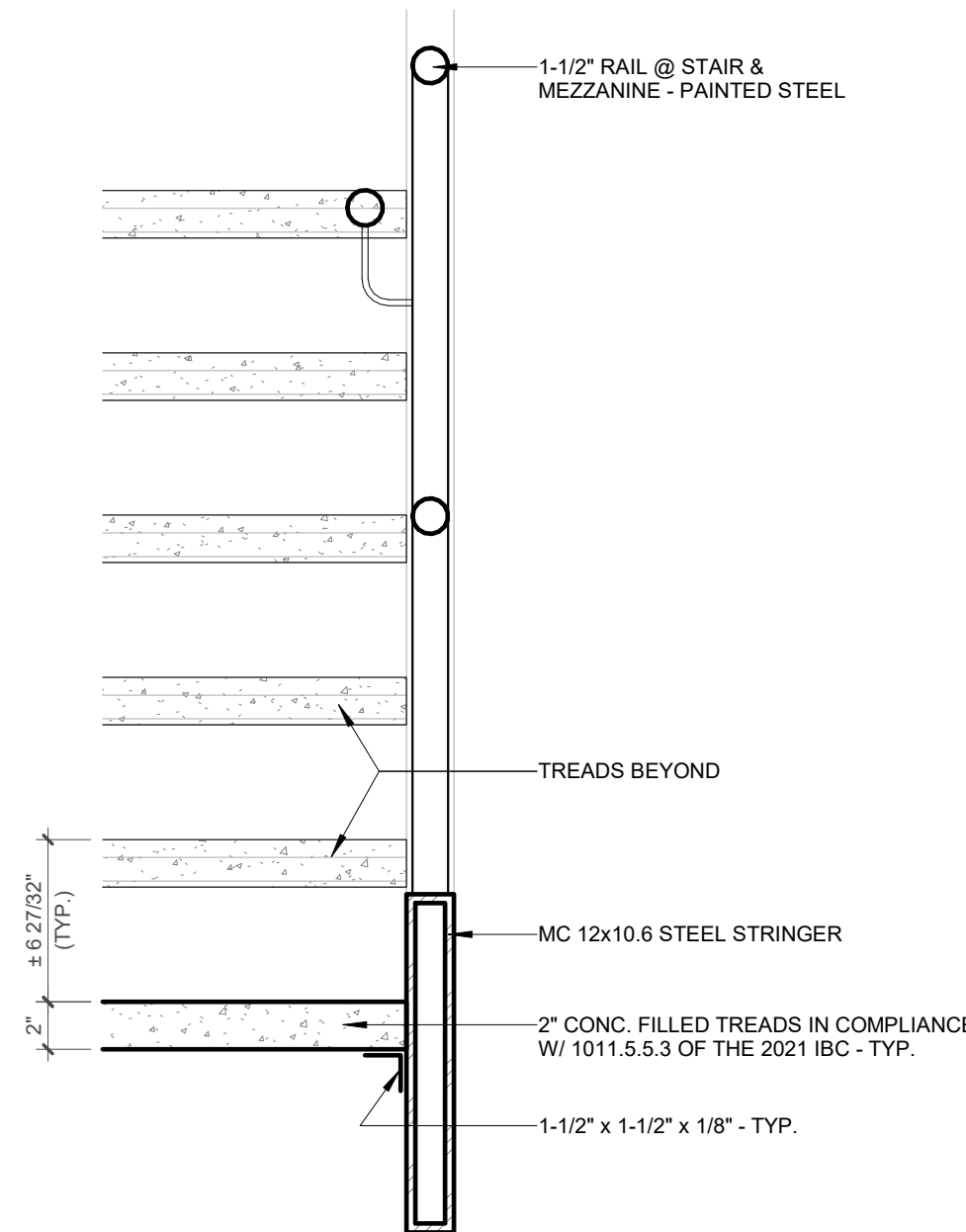
PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



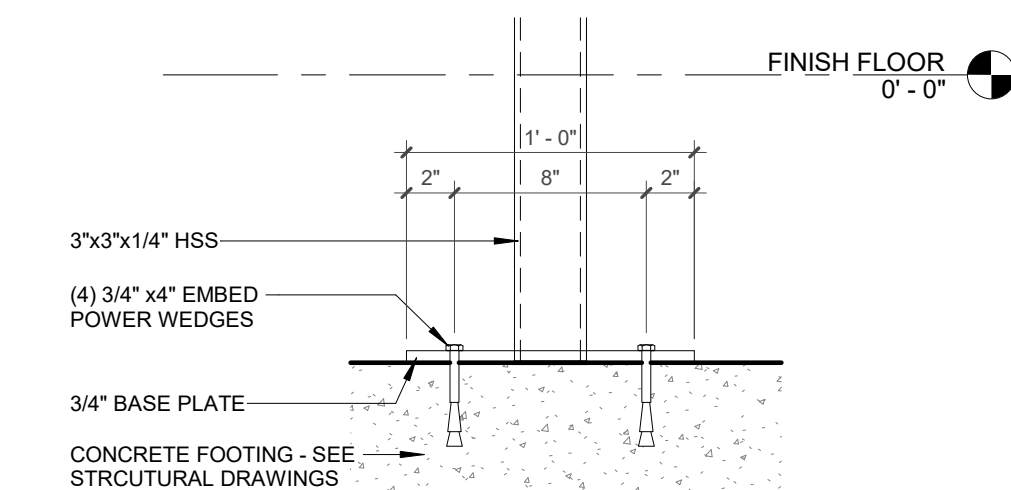
3 PIPE BOLLARD SECTION - TYP.
3/4" = 1'-0"



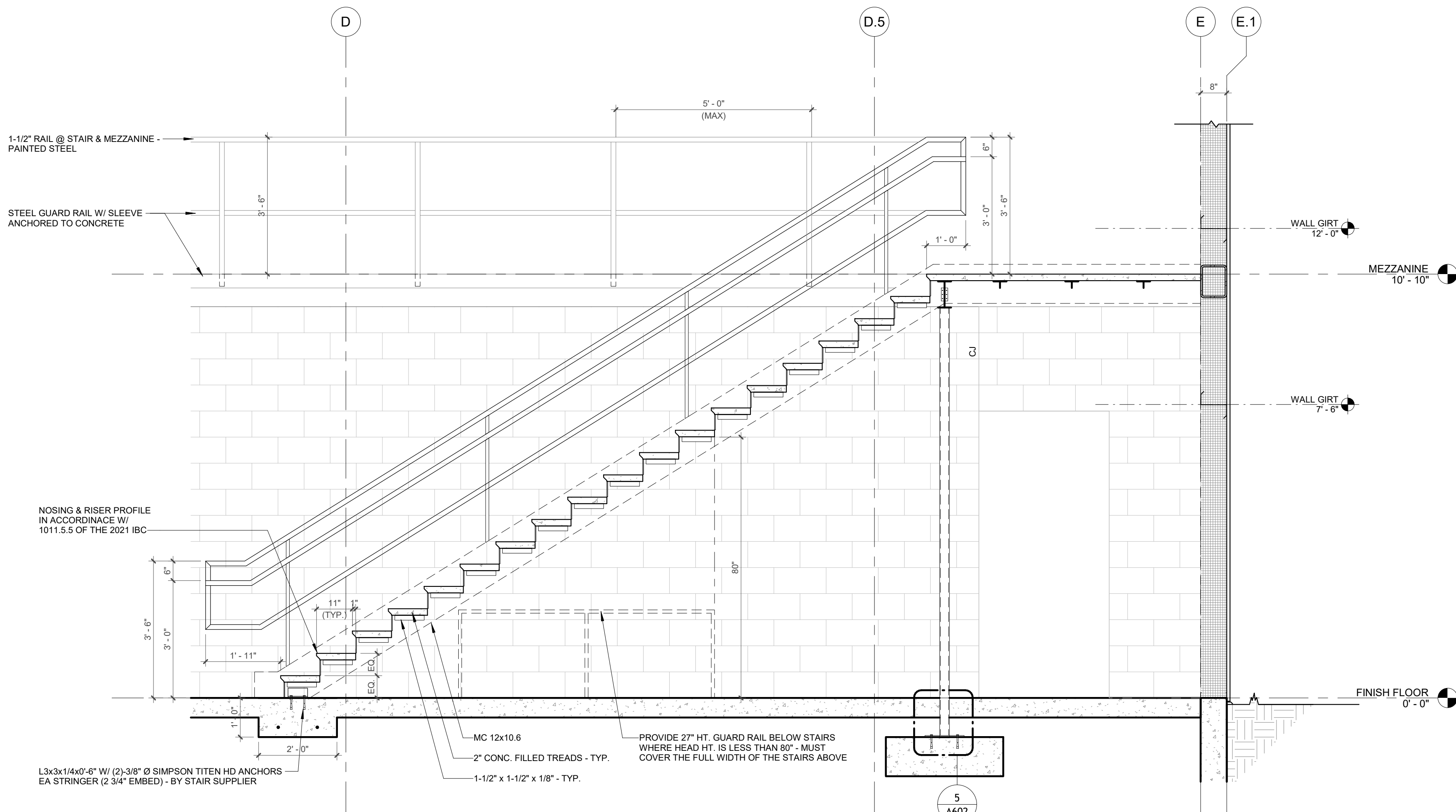
1 ENLARGED FLOOR PLAN @ METAL STAIRS
1/2" = 1'-0"



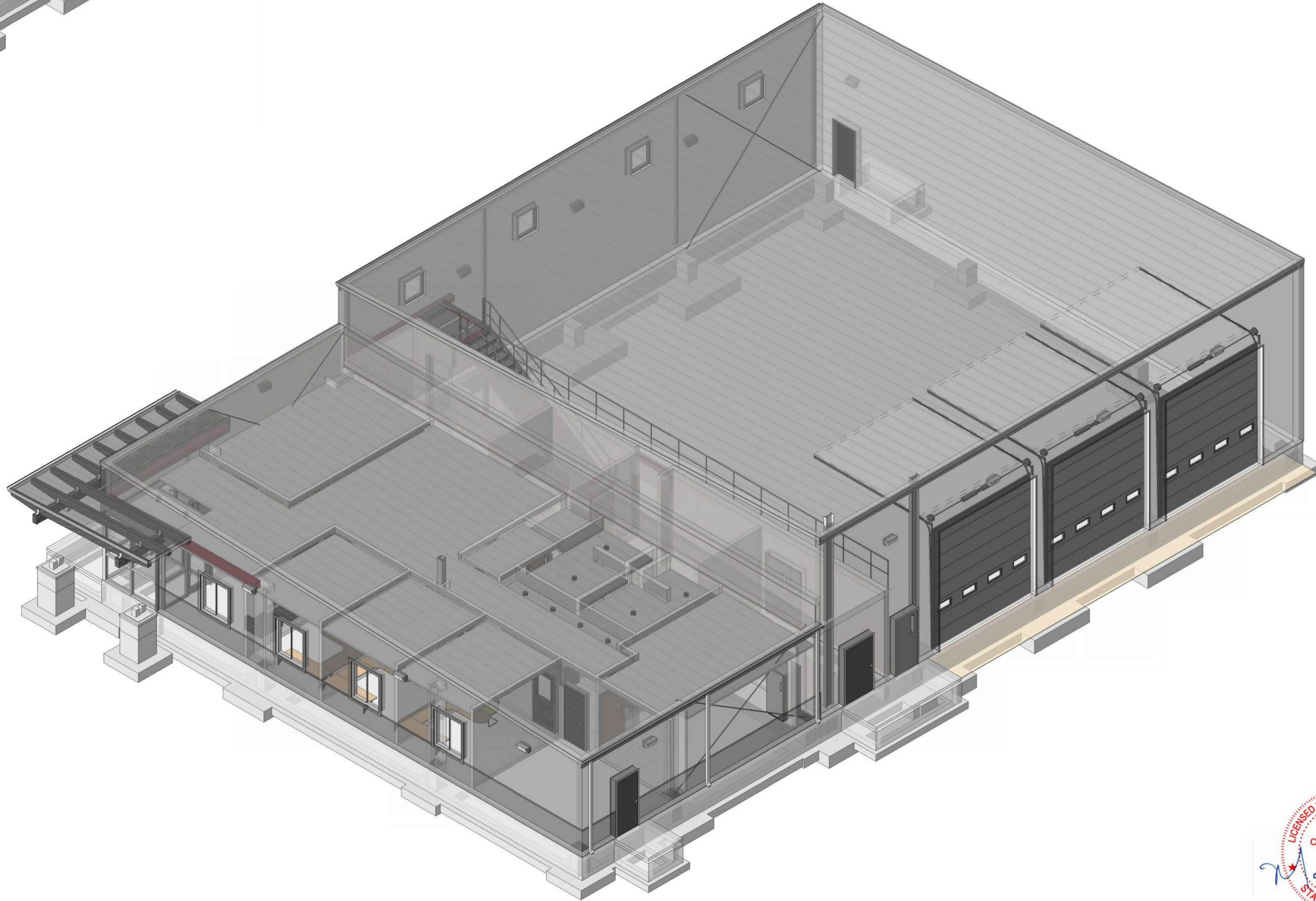
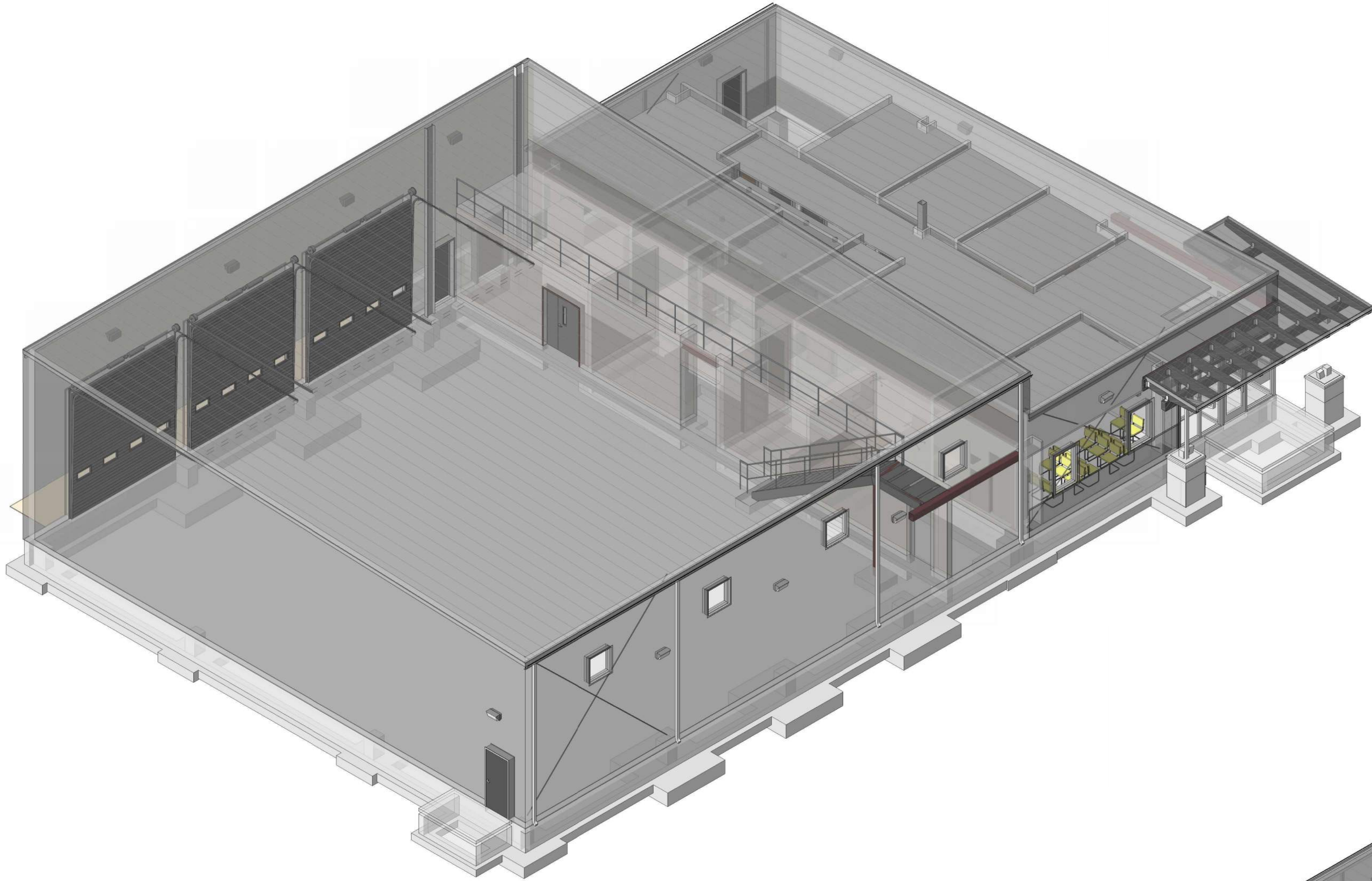
4 STAIR DETAIL @ RAIL - TYP.
1 1/2" = 1'-0"



5 STAIR DETAIL @ COLUMN BASE - TYP.
1 1/2" = 1'-0"



2 ENLARGED SECTION @ METAL STAIRS
1/2" = 1'-0"



STRUCTURAL SHEET INDEX	
Sheet Number	Sheet Name
S000	3D VIEWS AND TITLE SHEET
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S100	OVERALL FOUNDATION PLAN
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S100-2	FOUNDATION PLAN
S101	OVERALL MEZZANINE FRAMING PLAN
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S103	ENLARGED FLOOR PLANS
S104	ALTERNATE BID CANOPY
S300	CONCRETE SECTIONS & DETAILS
S301	CONCRETE SECTIONS & DETAILS
S302	CONCRETE SECTIONS & DETAILS
S340	PRECAST SECTIONS & DETAILS
S400	MASONRY SECTIONS & DETAILS
S600	WOOD SECTIONS, DETAILS, & ELEVATIONS



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New Building

for

Forest Preserves of Winnebago County

Meridian Rd., Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

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BA Project No. 2025-09

Scale

12" = 1'-0"

Sheet Title

3D VIEWS AND TITLE SHEET

Ref. North Sheet No.

S000

PROFESSIONAL DESIGN FIRM REGISTRATION # 184-003342

DISCLAIMER: 3D MODEL VIEWS DISPLAYED THROUGHOUT CONSTRUCTION DOCUMENTS PROVIDE A GENERAL REPRESENTATION OF THE STRUCTURAL MODEL ONLY. THESE VIEWS ARE NOT DESIGNED TO SHOW EVERY DETAILED ASPECT, AND MAY NOT BE FULLY ACCURATE. PLEASE REVIEW THE PLANS, SECTIONS, AND DETAILS FOR THE COMPLETE STRUCTURAL REQUIREMENTS. IF DISCREPANCIES EXIST, THE 3D VIEWS WILL NEVER CONTROL.



1. BUILDING CODE - INTERNATIONAL BUILDING CODE (IBC) 2021 / ASCE7-16 WITH LOCAL ADOPTED AMENDMENTS.	
2. DEAD LOADS	
MEZZANINE	125 PSF
ROOF	15 PSF
3. ROOF LIVE LOADS	20 PSF
4. FLOOR LIVE LOADS	
OFFICES	50 PSF
LOBBIES & FIRST FLOOR CORRIDORS	100 PSF
CORRIDORS ABOVE FIRST FLOOR	80 PSF
STORAGE (LIGHT)	125 PSF
STAIRS	100 PSF
5. SNOW LOADS	
GROUND SNOW, Pg	30 PSF
EXPOSURE FACTOR, Ce	1.0
TEMPERATURE FACTOR, Ct	1.1
SLOPED ROOF FACTOR, Cs	1.0
IMPORTANCE FACTOR, Is	1.0
FLAT ROOF SNOW, Pf	23.1 PSF
SLOPED ROOF SNOW, Ps	33.1 PSF
SLIDING & DRIFTING SNOW, IN ADDITION TO FLAT ROOF SNOW, SEE PLANS	
UNBALANCED SNOW PER ASCE 7	
6. WIND LOADS	
ULTIMATE WIND SPEED, V	115 MPH
RISK CATEGORY	II
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT, Gcpi	±0.18
COMPONENTS & CLADDING NOT DESIGNED BY THE ENGINEER OF RECORD SHALL BE DESIGNED FOR THE WIND PRESSURES SHOWN ON THE COMPONENTS AND CLADDING DIAGRAM. WIND PRESSURES FOR LARGER TRIBUTARY AREAS MAY BE USED BASED ON DELEGATED DESIGN CALCULATIONS.	
7. SEISMIC LOADS	
RISK CATEGORY	II
IMPORTANCE FACTOR, Ie	1.0
SITE CLASS	D
MAPPED SPECTRAL RESPONSE ACCELERATIONS	
Ss	0.140 g
S1	0.066 g
SPECTRAL RESPONSE COEFFICIENTS	
SDS	0.120 g
SD1	0.094 g
SEISMIC DESIGN CATEGORY	B
SEISMIC FORCE RESISTING SYSTEM	STEEL SYSTEMS NOT

B. SOIL DESIGN VALUES	
REFERENCE GEOTECHNICAL REPORT NUMBER:	DATED 09/12/2025
PREPARED BY CGGMT, INC.	
ALL VALUES ARE ASSUMED UNLESS REFERENCED IN GEOTECHNICAL REPORT	
SOIL UNIT WEIGHT (Y)	120 PCF
LATERAL EARTH PRESSURE:	
ACTIVE (RETAINING WALLS)	45 PSF/FT (ASSUMED)
AT-REST (BASEMENT WALLS)	60 PSF/FT (ASSUMED)
PASSIVE / BEARING PRESSURE LATERAL	150 PSF/FT (ASSUMED)
ALLOWABLE SOIL BEARING PRESSURES	
VERTICAL (NET)	2,000 PSF
LATERAL SLIDING RESISTANCE	
COEFFICIENT OF SLIDING FRICTION	0.25 (ASSUMED)
SUBGRADE MODULUS	100 PCI

1. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE, THEY DO NOT INCLUDE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. THE MEASURES SHALL BE LIMITED TO: BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK. OBSERVATION VISITS TO THE SITE BY STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
2. GENERAL CONTRACTOR TO DISTRIBUTE ALL SHEETS IN THE SET TO SUBCONTRACTORS.
3. THE ARCHITECT AND/OR ENGINEER OF RECORD SHALL NOT HAVE CONTROL OVER OR BE IN CHARGE OF, AND SHALL NOT BE RESPONSIBLE IN ANY WAY FOR CONSTRUCTION MEANS, METHODS TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH ANY CONSTRUCTION ACTIVITIES, SINCE THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.
4. SUBMITTALS PREPARED BY SUBCONTRACTORS SHALL BE REVIEWED BY CONTRACTOR PRIOR TO SUBMITTING TO ARCHITECT/ENGINEER.
5. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS AT THE JOB SITE. ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND CONDITIONS INDICATED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
6. SEE DOCUMENTS FROM OTHER DISCIPLINES FOR FLOOR, WALL, AND ROOF OPENINGS, TRENCHES, PITS, PIPE SLEEVES, EQUIPMENT PADS, METAL PAN SLABS, MISCELLANEOUS IRONWORK, ETC.
7. DO NOT PLACE PIPES, DUCTS, CHASES, ETC. IN STRUCTURAL BEAM AND COLUMN MEMBERS. DO NOT CUT ANY STRUCTURAL MEMBER FOR PIPES, DUCTS, ETC., UNLESS NOTED OTHERWISE. NOTIFY STRUCTURAL ENGINEER WHEN DOCUMENTS BY OTHER DISCIPLINES SHOW OPENINGS, POCKETS, ETC. NOT INDICATED IN THE STRUCTURAL DRAWINGS BUT ARE LOCATED IN THE CONTRACT DOCUMENT MEMBERS. CONTRACTOR SHALL OBTAIN ARCHITECT APPROVAL FROM STRUCTURAL ENGINEER FOR INSTALLATION OF SUCH PIPES, DUCTS, CHASES, ETC.
8. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY INDICATED. WHEN A DETAIL IS NOT INDICATED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR CONDITIONS.
9. DELEGATED DESIGNED ELEMENTS SHALL BE DESIGNED BY LICENSED PROFESSIONAL ENGINEERS REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, DESIGN LOAD DATA, SUPPORT REACTIONS, AND CERTIFICATION THAT ELEMENTS WERE DESIGNED FOR LOADS SPECIFIED IN THE CONTRACT DOCUMENTS OR IN THE BUILDING CODE. ALLOW MINIMUM 10 BUSINESS DAYS FOR REVIEW BY EOR. ALL DOCUMENTS NOTED SHALL BE SUFFICIENT BY THE LICENSED ENGINEER. IF CRITERIA INDICATED ARE NOT SATISFIED, SUBMIT A WRITTEN REQUEST FOR ADDITIONAL INFORMATION TO THE ARCHITECT. THE FOLLOWING ELEMENTS AND THEIR CONNECTIONS SHALL BE CONTRACTOR DESIGNED:

1. METAL BUILDING WORK SHALL CONFORM TO THE FOLLOWING LATEST EDITION:
 - A. AISC - "SPECIFICATION FOR DESIGN, FABRICATION AND ERECTION OF STEEL BUILDINGS"
 - B. AISC - "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
 - C. AWS D1.1 - "STRUCTURAL WELDING CODE - STEEL"
 - D. AISC - "STRUCTURAL STEEL DETAILING MANUAL"
 - E. MBMA - "METAL BUILDING SYSTEMS MANUAL"
2. DESIGN LOADS AND CODES AS NOTED ON THESE DRAWINGS.
3. THE METAL BUILDING SHALL BE DESIGNED AND FABRICATED BY A MBMA MEMBER MANUFACTURER.
4. THE METAL BUILDING MANUFACTURER (MBM) SHALL PROVIDE STAMPED DRAWINGS AND CALCULATIONS BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE JURISDICTION IN WHICH THE BUILDING IS LOCATED.
5. THE MBM SHALL CONFORM TO THE FOLLOWING DEFLECTION CRITERIA AISC - "DESIGN GUIDE #3 SERVICEABILITY DESIGN CONSIDERATIONS FOR STEEL BUILDING" UNLESS NOTED ON THE DRAWINGS.
6. ANCHOR RODS SHALL BE PRESET WITH TEMPLATES.
7. THE MBM SHALL BE RESPONSIBLE FOR ALL CONNECTIONS, STIFFENERS, AND ETC. REQUIRED TO SAFELY ERECT THE BUILDING. THE MBM IS RESPONSIBLE FOR ANY REQUIRED HOLES SHOWN PASSING THROUGH THE MBM STEEL ON THE DRAWINGS.
8. THE MBM SHALL PROVIDE FOUNDATION REACTIONS, COLUMN LOCATIONS AND BASE PLATE SIZES TO THE ENGINEER IN A TIMELY MANNER. CHANGES TO, OR ADDITIONS TO, ANY OF THE ABOVE, ETC. WILL REQUIRE REDESIGN OF THE FOUNDATIONS WILL REQUIRE ADDITIONAL ENGINEERING FEES.
9. ALL WELDS SHALL BE MADE BY ASW CERTIFIED WELDERS CERTIFIED IN THE POSITION IN WHICH THE WELD IS TO BE MADE.
10. THE ERECTION OF ANY STRUCTURAL STEEL MEMBERS SHALL NOT COMMENCE UNTIL THE CURING OF ALL REINFORCED CONCRETE ELEMENTS HAVE ATTAINED AT LEAST 75% OF THEIR INTENDED MINIMUM COMPRESSIVE STRENGTH.
11. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SUPPORTS AS REQUIRED FOR THE SAFE ERECTION OF ALL STEEL. TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL PERMANENT BRACING HAS BEEN INSTALLED AND FLOOR SLAB CONCRETE HAS ATTAINED 75% OF ITS REQUIRED STRENGTH.
12. STRUCTURAL STEEL SHALL BE TRUE AND PLUMB BEFORE FINAL BOLTING OR WELDING OF CONNECTIONS.
13. THE CONTRACTOR SHALL NOT MODIFY OR CUT ANY STRUCTURAL STEEL WITHOUT THE WRITTEN APPROVAL FROM THE MBM.
14. THE CONTRACTOR SHALL FIELD TOUCH UP ALL ABRASIONS, BURNS AND SIMILAR DEFECTS IN PAINT OF STRUCTURAL STEEL.

1. ALL FOUNDATIONS SHALL BE SUPPORTED ON APPROVED EXISTING SUBGRADE OR APPROVED COMPACTED STRUCTURAL FILL HAVING A MINIMUM ALLOWABLE BEARING CAPACITY AS INDICATED IN THE SOIL DESIGN VALUES.
2. SUBSURFACE CONDITIONS SHALL BE INVESTIGATED TO DETERMINE CAPACITY AS REQUIRED, WHEN RECOMMENDED IN GEOTECHNICAL REPORT.
3. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE VALIDITY OF THE SUBSURFACE CONDITIONS DESCRIBED IN THE DRAWINGS, SPECIFICATIONS, TEST BORINGS OR GEOTECHNICAL REPORTS. THIS DATA IS INCLUDED TO ADVISE THE CONTRACTOR DURING THE DESIGN AND BIDDING AND CONSTRUCTION, AND TO REPRESENT CONDITIONS ON AT SPECIFIC LOCATIONS AT THE PARTICULAR TIME THE OBSERVATIONS WERE MADE.
4. ALL EXTERIOR FOUNDATIONS SHALL BEAR ON APPROVED SUBGRADE EXTENDING BELOW THE FROST LINE DEPTH OF THE LOCALITY.
5. FOOTING FOUNDATIONS SHOWN ON THE DRAWINGS ARE BASED ON ESTIMATED DEPTHS AND ARE NOT TO BE CONSTRUED AS LIMITING THE AMOUNT OF EXCAVATION REQUIRED TO REACH SUITABLE BEARING MATERIAL.
6. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS IN ALL EXCAVATIONS AS REQUIRED TO PREVENT HORIZONTAL MOVEMENT OR VERTICAL SETTLEMENT OF ADJACENT SURROUNDING SOIL AND/OR PROPERTY WHICH WOULD ENDANGER LIVES OR PROPERTY.
7. THE CONTRACTOR SHALL PROVIDE CONTROL OF SURFACE AND SUBSURFACE WATER PROMPTLY TO ENSURE THAT ALL FOUNDATION WORK IS PERFORMED IN A DRY CONDITION.
8. FOUNDATIONS SHALL NOT BE PLACED ON FROZEN SUBGRADE.
9. THE CONTRACTOR SHALL PROTECT IN-PLACE FOUNDATIONS AND SLABS-ON-GRADE FROM FROST PENETRATION UNTIL THE PROJECT IS COMPLETE.
10. FOUNDATION WALLS SHALL BE BRACED DURING BACKFILLING AND COMPACTATION OPERATIONS. BRACING SHALL BE LEFT IN PLACE UNTIL PERMANENT STRUCTURAL SUPPORT SYSTEM IS INSTALLED AND APPROVED BY THE ENGINEER.
11. WHERE FOUNDATION WALLS HAVE FILL ON BOTH SIDES, BACKFILLING SHALL BE DONE SIMULTANEOUSLY ON BOTH SIDES OF THE WALL.

CODES & STANDARDS:	
ACI 301	SPECIFICATIONS FOR CONCRETE CONSTRUCTION
ACI 305	GUIDE TO HOT WEATHER CONCRETING
ACI 306	GUIDE TO COLD WEATHER CONCRETING
ACI 318	BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

1. CONCRETE MIX DESIGN (INCLUDING AGGREGATE SIZE, WATER CEMENT RATIO, AIR ENTRAINMENT, ADMIXTURES, SLUMP AND HISTORY OF BREAK TESTS) SHALL BE SUBMITTED TO THE EOR FOR APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORK. CONCRETE SHALL BE NORMAL WEIGHT UNO.
2. MAXIMUM WATER/CEMENT RATIO PERMITTED SHALL BE 0.55 FOR FOOTINGS, 0.50 FOR INTERIOR SLABS ON GRADE, 0.45 FOR BELOW GRADE CONCRETE AND 0.40 FOR CONCRETE EXPOSED TO WATER AND DEICING CHEMICALS.
3. CONCRETE WHICH WILL BE EXPOSED TO THE WEATHER (INCLUDING FOUNDATION WALLS) SHALL HAVE AIR-ENTRAINING ADMIXTURE AS REQUIRED TO PROVIDE 6% ± 1% AIR ENTRAINMENT.
4. MAXIMUM AGGREGATE SIZE SHALL BE 3/4" FOR SLABS ON GRADE, WALLS, BEAMS, 1" FOR COLUMNS AND 3/8" FOR TOPPING SLABS.
5. NORMAL WEIGHT AGGREGATE TO CONFORM TO ASTM C33, LIGHTWEIGHT AGGREGATE TO CONFORM TO ASTM C330.
6. CONCRETE SHALL BE EVALUATED ACCORDING TO METHOD 1 OR METHOD 2 AS DESCRIBED IN ACI 301. THE RESULTS OF THESE ANALYSES SHALL BE SUBMITTED TO THE EOR FOR APPROVAL PRIOR TO ANY WORK.
7. THE CONTRACTOR SHALL MAKE PROVISIONS TO ALLOW AN INDEPENDENT TESTING AGENCY TO CAST 4 TEST CYLINDERS FOR EACH 50 CUBIC YARDS OF CONCRETE PLACED, OR FOR ANY DAY'S OPERATION. THE TESTING AGENCY SHALL BE RESPONSIBLE FOR CASTING AND CURING SPECIMENS IN COMPLIANCE TO ASTM C31 AND CASTING TESTING SPECIMENS IN COMPLIANCE TO ASTM C39.
8. DRAWINGS SHOWING THE LOCATION OF CONSTRUCTION JOINTS, CONTROL JOINTS, AND PLACING SEQUENCE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ANY WORK. THE LOCATION OF REINFORCING STEEL DRAWINGS, MAXIMUM POOL LENGTHS OF WATER TO BE 4'-0" AND A MINIMUM OF 4'-0" AWAY FROM INTERSECTIONS AND CORNERS.
9. GROUT USED TO SET PLATES SHALL BE NON-SHRINK AND NON-METALLIC.
10. THE CONTRACTOR SHALL USE SMOOTH FORMS FOR EXPOSED CONCRETE SURFACES. BOARD FORMS MAY BE USED FOR UNEXPOSED CONCRETE SURFACES. EASE FORMS ARE THE OWNER'S RESPONSIBILITY.
11. PROVIDE COMPACTED GRANULAR FILL UNDER ALL SLABS ON GRADE, SEE CONCRETE SLAB ON GRADE SCHEDULE.
12. VAPOR BARRIER TO BE AS INDICATED ON TYPICAL SLAB JOINT DETAIL, LAP MINIMUM 18" AND SEAL ALL SEAMS. VERIFY ADDITIONAL REQUIREMENTS WITH ARCHITECTURAL SPECIFICATIONS.
13. FLOOR FLATNESS AND LEVELNESS OF SLAB ON GRADE CONCRETE SHALL HAVE THE FOLLOWING TOLERANCES, AS RECOGNIZED BY THE MOST CURRENT VERSION OF ASTM E 1155 AND ACI 302.1. SEE SPECIFICATION FOR FURTHER REQUIREMENTS.
14. MINIMUM LOCALIZED VALUE (MLV) OF 25 AND FLI SPECIFIED OVERALL VALUE (SOV) OF 33, MINIMUM LOCALIZED VALUE (MLV) OF 17).

CODES & STANDARDS:		
ACI 315	GUIDE TO PRESENTING REINFORCING STEEL DESIGN DETAILS	
ACI 318	BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE	
MSP2	CRSI MANUAL OF STANDARD PRACTICE	
AWS D1.4	STRUCTURAL WELDING CODE - REINFORCING STEEL	
WRI	WELDED WIRE FABRIC MANUAL OF STANDARD PRACTICE	
MATERIALS:		
REINFORCING BARS	ASTM A615 Gr 60	Fy=60 KSI
WELDED WIRE FABRIC	ASTM A185	
MACRO FIBER REINFORCING	ASTM C1116 Type III	
WELDED REINFORCING BARS	ASTM A706	Fy=60 KSI

1. THE REINFORCEMENT FABRICATOR SHALL PROVIDE AND SCHEDULE ON SHOP DRAWINGS ALL REQUIRED REINFORCING STEEL AND NECESSARY ACCESSORIES TO HOLD REINFORCEMENT SECURELY IN PLACE AT THE CORRECT LOCATIONS.
2. THE REQUIRED CLEARANCE FOR REINFORCEMENT (UNO) SHALL BE 3" FOR CONCRETE PLACED DIRECTLY AGAINST EARTH, 2" (#6 & LARGER) AND 1 1/2" (#5 & SMALLER) FOR CONCRETE EXPOSED TO EARTH OR WEATHER, 1 1/2" (#4 & LARGER) AND 3/4" (#1 & SMALLER) FOR CONCRETE NOT EXPOSED TO EARTH OR WEATHER.
3. THE CONTRACTOR SHALL REFER TO TYPICAL DETAILS SHOWN ON THE SHOP DRAWINGS FOR ANY ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. WHERE REINFORCEMENT IS REQUIRED IN SECTIONS, REINFORCEMENT IS CONSIDERED TYPICAL WHEREVER THE SECTION APPLIES.
5. WELDED WIRE FABRIC SHALL HAVE A MINIMUM OF 6" LAP AND BE TIED TOGETHER.
6. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF COMPLETION OF REINFORCEMENT INSTALLATION AND ALLOW AT LEAST 24 HOURS BEFORE SCHEDULED CONCRETE PLACEMENT FOR THE ARCHITECT TO INSPECT REINFORCEMENT.
7. MACRO FIBER TO BE 1-1/2" MINIMUM LENGTH, WHERE INDICATED IN CONCRETE SLAB ON GRADE OR METAL DECK SCHEDULE .

CODES & STANDARDS:	
PCI MNL	PCI DESIGN HANDBOOK - PRECAST AND PRESTRESSED CONCRETE
ACI 318	BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

1. THE PRECAST SUPPLIER SHALL DESIGN AND PROVIDE TO THE ARCHITECT/ENGINEER PLANS AND CALCULATIONS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE LOCAL JURISDICTION OF THE PROJECT.
2. PRECAST MEMBERS SHALL BE ATTACHED AND SUPPORTED BY THE STRUCTURE AS INDICATED ON THE DRAWINGS. ALL JOINTS SHALL BE GROUTED.
3. PRECAST MEMBERS SHALL BE DESIGNED AND REINFORCED FOR SELF WEIGHT PLUS THE SUPERIMPOSED LOADS SHOWN ON THE DRAWINGS, HANDLING AND ERECTION LOADS.
4. THE PRECAST CONTRACTOR SHALL DESIGN, FURNISH AND INSTALL ALL MATERIAL (HANGERS, PLATES, CLIPS, HEADERS, ANCHORS, ETC.) WHICH MUST BE PRECAST INTO THE CONCRETE UNLESS NOTED OTHERWISE.
5. ACCORDING WITH ALL ATTENDING TRADES ALL HOLES OR OPENINGS THROUGH THE PRECAST BEFORE FABRICATION, ALL HOLES GREATER THAN 8" SHALL BE SHOP FABRICATED. ALL HOLES LESS THAN 8" MAY BE FIELD CUT. ALL FIELD CUT HOLES SHALL BE APPROVED BY THE PRECAST DESIGNER.
6. REINFORCE TOPPING SLABS W/ FORTA FERRO FIBER REINF (3 LB/CY) UNO. SEE ALSO CONCRETE SPECIFICATIONS.

CODES:		
ACI 530.1/ASCE 6/TMS 602	SPECIFICATION FOR MASONRY STRUCTURES	
ACI 530/ASCE 5/TMS 402	BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES	
MATERIALS:		
CONCRETE MASONRY BLOCK	ASTM C-90	2,000 PSI
TYPE M/S MORTAR	ASTM C270	
GROUT (28 DAY STRENGTH)	ASTM C476	2,000 PSI
REINFORCING BARS	ASTM A615 Gr 60	Fy=60 KSI

1. THE REQUIRED MINIMUM 28 DAY COMPRESSIVE STRENGTH OF THE COMBINATION OF CONCRETE BLOCK, GROUT AND MORTAR ON THE NET AREA OF THE CONSTRUCTION (Fm) SHALL BE A MINIMUM OF 2,000 PSI.
2. CONCRETE BLOCKS AND GROUT SHALL BE NORMAL WEIGHT.
3. ALL CONCRETE BLOCK MASONRY UNITS SHALL BE LAID IN RUNNING BOND, UNDO.
4. MASONRY BLOCK CELLS CONTAINING VERTICAL REINFORCING SHALL BE FILLED WITH SOLID, FILLING GROUT WITH MORTAR IS UNACCEPTABLE.
5. ALL BOND BEAMS TO BE GROUTED SOLID.
6. THE BASE OF EACH CELL IN WHICH REINFORCING BAR IS PLACED MUST HAVE A CLEAN OUT HOLE.
7. VERTICAL REINFORCING BARS SHALL BE LAPPED PER SCHEDULE.
8. MECHANICAL SPLICES MAY BE USED IN LIEU OF LAP SPLICES.
9. PROVIDE CONTINUOUS REINFORCED BOND-BEAMS IN ALL REINFORCED MASONRY WALLS AT THE TOP, AND AS REQUIRED IN THE CONTRACT DRAWINGS. BOND-BEAMS AT THE TOP OF THE WALL SHALL BE CONTINUOUS AS MASONRY WALLS ARE CONSTRUCTED. BOND-BEAMS SHALL NOT BE CONTINUOUS AT MASONRY CORNER JOINTS. BOND-BEAM REINFORCING SHALL EXTEND INTO AND BE CONTINUOUS WITH ALL INTERSECTING BOND-BEAMS.
10. PROVIDE MASONRY WALL MASONRY SHALL HAVE #9 GAUGE (LADDER TYPE) HORIZONTAL REINFORCING AT SPACING AS NOTED ON CONTRACT DRAWINGS, BUT AT A MAXIMUM OF 16" O.C. VERTICALLY.
11. FILL CORES OF MASONRY UNDER ALL BEARING PLATES. THE MINIMUM THICKNESS SHALL BE 3 TIMES THE BEARING PLATE LENGTH FOR THREE COURSES BELOW BEARING UNDO.
12. BRACE ALL MASONRY WALLS DURING CONSTRUCTION AS REQUIRED TO RESIST WIND AND OTHER TEMPORARY LOADS UNTIL FINAL STRUCTURAL MEMBERS ARE INSTALLED.
13. PROVIDE BAR POSITIONERS ON ALL REINFORCING TO HOLD AND MAINTAIN PROPER REBAR LOCATIONS AND COVER DURING GROUTING.

CODES:	
ACI 530.1/ASCE 6/TMS 602	<i>SPECIFICATION FOR MASONRY STRUCTURES</i>
ACI 530/ASCE 5/TMS 402	<i>BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES</i>

MATERIALS:		
VENEER ANCHORS	ASTM A153 CLASS B2	
TYPE N/S MORTAR	ASTM C270	
GROUT (28 DAY STRENGTH)	ASTM C476	2,000 PSI
REINFORCING BARS	ASTM A615 Gr 60	Fy=60 KSI

1. SEE ACI 530.1/ASCE 6/TMS 602-05 TABLES C-4 AND C-5 FOR ASTM SPECIFICATION REQUIREMENTS.
2. THE AIR SPACE BETWEEN THE VENEER AND THE BUILDING WALL IS TO BE NO LESS THAN 1" AND NO GREATER THAN 4 1/2".
3. WICK AT TUBE WEIR SPACING SHALL NOT BE GREATER THAN 16" OC. OPEN HEAD JOINT WEEPS SHALL NOT BE SPACED GREATER THAN 24" OC.
4. VENEER ANCHORS SHALL BE A MINIMUM W1 7/8 ADJUSTABLE WIRE ANCHORS, HOT DIPPED GALVANIZED, TWO PIECE. THE HORIZONTAL SPACING SHALL BE 32" OC. MAX., THE VERTICAL SPACING SHALL BE 18" OC. MAX. THE MAXIMUM WALL AREA THAT ONE ANCHOR MAY TIE SHALL BE LESS THAN 2 SQ FT.
5. THE VENEER ANCHORS SHALL BE SECURED TO STEEL STUDS THRU SHEETING WITH A MINIMUM OF (2)-#10, (190°) OF SELF-TAPPING SCREWS, TO WOOD STUDS THRU SHEETING WITH A MINIMUM OF (2)-#d (131°) OC GALVANIZED NAILS AND TO STRUCTURAL MASONRY WALL WITH A MINIMUM OF (2)-3/16" Ø MASONRY SCREWS.
6. VERTICAL EXPANSION JOINTS SHALL BE PLACED AT A MAXIMUM OF 25'-0" ON CENTER OF JOINTS, AT OFFSETS, INTERSECTIONS, SETBACKS AND CHANGES IN WALL HEIGHT.
7. HORIZONTAL EXPANSION JOINTS SHALL BE PLACED IMMEDIATELY BELOW SHEET ANGLES.

CODES & STANDARDS:	
AWC NDS	NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
AWC SDPWS	SPECIAL DESIGN PROVISIONS FOR WIND & SEISMIC
APA A190.1	STRUCTURAL GLUED LAMINATED TIMBER
APA PDS	PANEL DESIGN SPECIFICATION
AWC WFMC	WOOD FRAME CONSTRUCTION MANUAL FOR ONE & TWO FAMILY DWELLINGS

MATERIALS:		SPECIES/GRADE
SAWN LUMBER	ASTM D1990-96A OR ASTM D245	SPF STUD SPF No. 1/No.2 SPF No. 1/No.2
WALL STUDS COLUMNS JOISTS & BEAMS		
I-JOISTS	ASTM D5055	
LSL WALL STUDS RIM BOARD		1.3E 1.3E Fcp = 710 PSI
LVL WALL STUDS HEADERS	ASTM D5055	2600 Fb, 2.0E
PSL BEAMS COLUMNS	ASTM D5055	2.0E 1.8E
GLUE-LAMINATED TIMBER	AITC A190.1 & ASTM D3737	DF BALANCED 24F -1.8E
WOOD PANELS (COMPOSITE, ORIENTED STRANDBOARD & PLYWOOD)	DOC PS 1 OR PS 2	APA RATED
PRESERVATIVE TREATED WOOD	AWPA STD U1 & M4	S. PINE No.2
FIRE-RETARDANT TREATED LUMBER	IBC 2303.2 ASTM E84 CLASS A	
TONGUE & GROOVE DECKING	AMERICAN FOREST AND PAPER ASSOCIATION WOOD CONSTRUCTION DATA 2	Fb=1000 PSI E=1.8 KSI

1. ALL WOOD SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 15% PRIOR TO INSTALLATION. MOISTURE CONTENT SHALL BE DETERMINED PER ASTM D4442.
2. ALL WOOD SHALL BE PROTECTED FROM MOISTURE BEFORE INSTALLATION.
3. ALL WOOD STORED AT THE BUILDING SITE SHALL BE ELEVATED 6" ABOVE THE GROUND AND COVERED WITH PLASTIC TARPAULINS.
4. ALL STRUCTURAL WOOD SHALL MEET OR EXCEED ALLOWABLE UNIT STRESSES AND/OR GRADE AS REQUIRED BY THE DRAWINGS.
5. JOIST BRIDGING WITH 1" X 3" CROSS BRIDGING OR SOLID BLOCKING, AT INTERVALS NOT EXCEEDING 8'-0" OC AND AT JOIST ENDS.
6. ALL WOOD PERMANENTLY EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, MASONRY OR CONCRETE SHALL HAVE A PRESERVATIVE TREATMENT EQUAL TO 0.4 PCF RETENTION OF PRESSURE INJECTED PRESERVATIVE.
7. ALL JOISTS AND RAFTERS SHALL BE SUPPORTED BY DIRECT END BEARING WALLS, BEAMS OR JOIST HANGERS.
8. WOOD MEMBERS SHALL NOT BE IN DIRECT CONTACT WITH CONCRETE OR MASONRY WITHOUT BEING PROTECTED BY A NATURALLY DURABLE OR PRESERVATIVE TREATED WOOD UNLESS 1/2" AIR SPACE IS PROVIDED AROUND (TOP, SIDES, END) OF WOOD RAFTERS/JOISTS/GIRDERS; IMPERVIOUS MOISTURE BARRIER OR 1" ELLEVATED BASE IS PROVIDED AT WOOD COLUMNS; IMPERVIOUS MOISTURE BARRIER IS PROVIDED AT SILL PLATE.
9. WOOD ROOF & FLOOR STRUCTURAL PANELS SHALL BE LAID WITH THE LONG PANEL DIRECTION PERPENDICULAR TO THE SUPPORTING MEMBERS, WITH ENDS STAGGERED.
10. WOOD STRUCTURAL PANELS SHALL BEAR THE APPROPRIATE GRADING STAMP BY THE VIEWING AGENCY.
11. ALL NAILS GIVEN ON THE PLANS SHALL BE CONSIDERED "COMMON NAILS" UNLESS NOTED ON THE PLANS.
12. ALL FASTENERS FOR WOOD CONSTRUCTION CONNECTORS (JOIST HANGER ETC.) SHALL BE PROVIDED BY OR APPROVED BY THE CONNECTOR'S MANUFACTURER.
13. ALL FASTENERS AND WOOD CONSTRUCTION CONNECTORS IN CONTACT WITH FIRE RATED TREATED WOOD OR PRESERVATIVE-TREATED WOOD SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. IN THE EVENT OF CONFLICT, THE FABRICATOR'S RECOMMENDATIONS FOR FASTENERS AND WOOD CONSTRUCTION CONNECTORS SHALL BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED STEEL.
14. ALL BOLTS AND LAG SCREWS SHALL CONFORM TO ASTM A307, PROVIDE WASHERS BETWEEN THE HEAD OR NUT AND THE WOOD SURFACE.
15. NO NAIL OR SCREW SHALL BE NOTCHED OR DRILLED WITHOUT THE SPECIFIC WRITTEN PERMISSION OF THE EOR.
16. THE GLUE-LAMINATED TIMBER FABRICATOR SHALL SUBMIT DRAWINGS AND CALCULATIONS, INCLUDING CONNECTIONS, TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. THE CALCULATIONS MUST BE STAMPED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE LOCAL JURISDICTION.

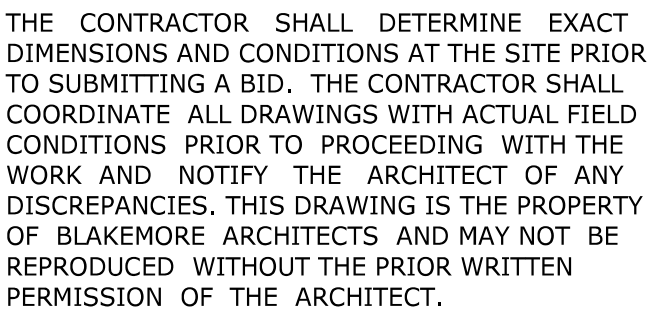
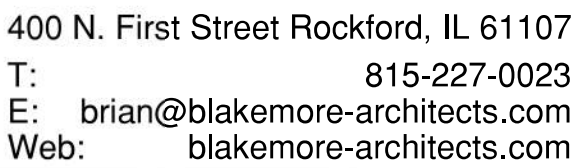
CODES:	
AISC	SPECIFICATION FOR DESIGN, FABRICATION AND ERECTION OF STEEL FOR BUILDINGS
AI SI	SPECIFICATION FOR THE DESIGN OF LIGHT-GAUGE COLD-FORMED STEEL STRUCTURAL MEMBERS
SSMA	STEEL STUD MANUFACTURERS ASSOCIATION PRODUCT TECHNICAL GUIDE
	LIGHT GAUGE STRUCTURAL INSTITUTE FRAMING SYSTEMS DESIGN HANDBOOK

MATERIALS:		
CEE/ZEE GIRTS & PURLINS	ASTM A570	Fy=55 KSI
STUDS, JOISTS, TRACKS, ACC.	ASTM A653/653M G60	Fy=33/50 KSI

1. WHERE SPECIFIC SIZES ARE NOT SHOWN ON DRAWINGS OR AS REQUIRED BY CONTRACT, THE COLD FORM SUPPLIER IS RESPONSIBLE FOR DESIGN AND SIZING OF MEMBERS. THE UNBRACED LENGTH OF BOTH THE TENSION AND COMPRESSION PLATES SHALL BE CONSIDERED. CALCULATIONS ARE REQUIRED WITH THE SHOP DRAWINGS FOR APPROVAL.
2. COLD-FORMED STEEL SECONDARY FRAMING MEMBERS CEE & ZEE SHAPED GIRTS AND PURLINS SHALL HAVE A 2 MIL. THICK RED OXIDE PRIMER ON ALL STEEL SURFACES. UNO.
3. DESIGN FOR ALL MEMBERS SHALL BE PER THE CODE AND LOADS NOTED UNDER THE DESIGN LOADS SECTION OF THESE NOTES.
4. COLD-FORMED STEEL LIGHT GAU TO SH RAILS, JOISTS, TRACKS AND ACCESSORIES SHALL HAVE A MINIMUM STRENGTH EQUAL TO OR GREATER THAN THE MEMBERS TO BE CONNECTED. UNO.
5. SCREWS SHALL BE CORROSION RESISTANT, SELF DRILLING PAN OR HEX WASHER HEAD AS SHOWN ON THE DRAWINGS.
6. POWDER ACTUATED FASTENERS SHALL BE AISI 4142 OR 1055 STEEL WITH A MINIMUM TENSILE STRENGTH OF 100,000 PSI. ALL BOLTS AND NUTS SHALL BE TO ASTM B 633. THE DIAMETER AND LENGTH SHALL BE AS SHOWN ON THE DRAWINGS.



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STRUCTURAL STEEL

CODES & STANDARDS:		
ASTM 360	SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS	
AISC	CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES	
AWS D1.1	STRUCTURAL WELDING CODE - STEEL	
ASTM	STRUCTURAL STEEL DETAILING MANUAL	
MATERIALS:		
HOT ROLLED W & WT SHAPES	ASTM A992	Fy=50 KSI
ANGLES, CHANNELS & PLATES	ASTM A36	Fy=36 KSI
S + M SHAPES	ASTM A36	Fy=36 KSI
HP SHAPES	ASTM A572 Gr 50	Fy=50 KSI
STEEL PIPE	ASTM A53 Gr B	Fy=35 KSI
RECTANGULAR HSS	ASTM A500 Gr C	Fy=50 KSI
ROUND HSS	ASTM A500 Gr C	Fy=46 KSI
HIGH STRENGTH BOLTS	ASTM A325	
HEAVY HEX NUTS	ASTM A563	
HARDENED STEEL WASHERS	ASTM A436	
ANCHOR RODS	ASTM F1554 Gr 36	Fy=36 KSI
THREADED RODS	ASTM A36	Fy=36 KSI
HEADED STUD ANCHORS	ASTM A108	

- PROVIDE 2 MIL THICKNESS RED OR GRAY OXIDE PRIMER ON ALL STEEL SURFACES (UNO).
- ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED PER ASTM A123 AND FASTENERS HOT DIPPED GALVANIZED PER ASTM A153.
- ANCHOR RODS SHALL BE PRESET WITH TEMPLATES.
- COLUMN BASE PLATES SHALL BE GROUTED UNDER WITH NON-SHRINK, NON-METALLIC GROUT.
- CONNECTIONS MAY BE BOLTED OR WELDED AT THE FABRICATORS OPTION. BOLTED CONNECTIONS SHALL BE A MINIMUM BOLT DIAMETER OF 3/4" (UNO). HIGH STRENGTH BOLTS IN SINGLE OR DOUBLE SHEAR (UNO) AND SIMPLE SHEAR CONNECTIONS SHALL BE CAPABLE OF END ROTATION PER AISC REQUIREMENTS FOR UNRESTRAINED MEMBERS.
- THE MINIMUM FILLET WELD SIZE SHALL NOT BE LESS THAN 3/16" (UNO).
- ALL WELDS SHALL USE WELD METAL CONFORMING TO E70XX AND CONFORMING TO AWS WELDING PROCEDURES AND STANDARDS.
- ALL WELDS SHALL BE MADE BY AWS CERTIFIED WELDERS CERTIFIED IN THE POSITION IN WHICH THE WELD IS TO BE MADE.
- THE ERECTION OF ANY STRUCTURAL STEEL MEMBERS SHALL NOT COMMENCE UNTIL ALL SUPPORTING CONCRETE/MASONRY ELEMENTS HAVE ATTAINED AT LEAST 75% OF THEIR INTENDED MINIMUM COMPRESSIVE STRENGTH.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SUPPORTS AS REQUIRED FOR THE SAFE ERECTION OF ALL STEEL. TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL PERMANENT BRACING HAS BEEN INSTALLED AND FLOOR SLAB CONCRETE HAS ATTAINED 75% OF ITS REQUIRED STRENGTH.
- STRUCTURAL STEEL SHALL BE TRUE AND PLUMB BEFORE FINAL BOLTING OR WELDING OF CONNECTIONS.
- THE CONTRACTOR SHALL NOT MODIFY OR CUT ANY STRUCTURAL STEEL WITHOUT WRITTEN APPROVAL FROM THE EOR.
- THE CONTRACTOR SHALL FIELD TOUCH UP ALL ABRASIONS, BURNS, AND SIMILAR DEFECTS IN PAINT OF STRUCTURAL STEEL.
- PROVIDE 1/4" CLOSURE/END PLATES FOR ALL OPEN ENDS OF HSS & PIPE MEMBERS.
- CONTRACTOR SHALL INCLUDE IN PROPOSAL COST TO FURNISH, DELIVER, FABRICATE AND ERECT 1.0 TONS OF STRUCTURAL STEEL IN ADDITION TO THAT SPECIFIED IN THE CONSTRUCTION DOCUMENTS. ANY UNUSED MATERIAL SHALL BE CREDITED TO THE OWNER AT THE END OF THE PROJECT.

STEEL DECK AND SHEAR CONNECTORS

CODES:			
AISC	SPECIFICATION FOR DESIGN, FABRICATION AND ERECTION OF STEEL FOR BUILDINGS		
AISI	SPECIFICATION FOR THE DESIGN OF LIGHT GAUGE COLD FORM STEEL STRUCTURAL MEMBERS		
AWS D1.3	STRUCTURAL WELDING CODE - SHEET METAL		
SDI	CODE OF PRACTICE		
MATERIALS:			
ROOF DECK - PAINTED	ASTM A611 Gr C	Fy=33 KSI	
ROOF DECK - GALVANIZED	ASTM A446 Gr A	Fy=33 KSI	
NONCOMPOSITE DECK - PAINTED	ASTM A446 Gr E	Fy=50 KSI	
COMPOSITE DECK - GALVANIZED	ASTM A446 Gr 1	Fy=50 KSI	
GALVANIZING	ASTM A525 CLASS G60 MIN		

- PRIMER PAINT SHALL BE SHOP APPLIED OVER CLEAN AND PHOSPHATIZED STEEL.
- STEEL DECK SHALL EXTEND OVER THREE OR MORE SPANS WHENEVER POSSIBLE. MINIMUM BEARING AT ENDS SHALL BE 1 1/2".
- STEEL DECK SHALL BE FASTENED AS SHOWN ON THE PLANS.
- IF STEEL DECK IS TO BE FASTENED WITH THE USE OF WELDS, USE 16 GA. WELD WASHERS AT ALL THICKNESS LESS THAN 22 GA. WELDS SHALL NOT BE USED AT SIDE LAP FASTENERS AND DECK SHALL BE WELDED TO SUPPORTS WITH HOBART 113W WIRE. (IRON POWER RODS) OR AN APPROVED EQUAL.
- SHEAR CONNECTORS, NUMBER INDICATED ON THE FRAMING PLANS AT EACH BEAM BY (X) SHALL BE EQUALLY SPACED OVER THE LENGTH OF THE BEAM STARTING AS NEAR AS POSSIBLE TO THE BEAM SUPPORTS. WHERE STEEL DECK CORRUGATIONS DO NOT ALLOW FOR AN EVEN SPACING, THE SPACING SHALL BE VARIED SO THAT THE HIGHEST DENSITY OF CONNECTORS OCCURS NEAREST THE SUPPORT.

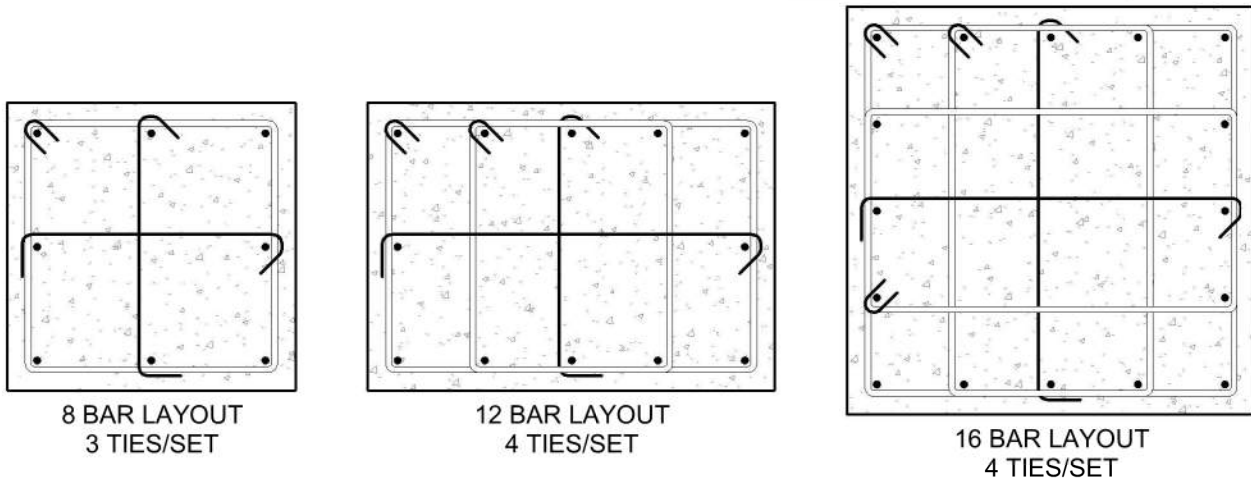
STEEL STAIRS, LADDERS, HANDRAILS AND GUARDS

- ENGINEERED STEEL STAIR SYSTEM: STRINGERS, HEADERS, LANDINGS, RAILINGS, GUARD RAILS AND CONNECTIONS TO THIS STRUCTURE SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE LOCATION OF THIS BUILDING. PROVIDE SIGNED & SEALED STRUCTURAL CALCULATIONS WITH SHOP DRAWING SUBMITTAL.
- THE CONFIGURATION OF THE STEEL STAIR SYSTEM SHALL BE AS SHOWN ON THE ARCHITECTURAL DRAWINGS.
- THE LOADS REQUIRED FOR THE DESIGN OF THE STEEL STAIR SYSTEM SHALL BE AS INDICATED ON THE "DESIGN LOADS" SECTION OF THESE NOTES.
- THE SHOP DRAWINGS SHALL INDICATE LOADS IMPOSED ON THE BUILDING STRUCTURE BY THE STAIR STRUCTURE.

POST- INSTALLED ANCHORS

- THE DIAMETER, EMBEDMENT LENGTH AND TYPE OF ADHESIVE ANCHORS AND SCREW ANCHORS SHALL BE AS SPECIFIED ON THE DRAWINGS.
- THE SUBSTITUTION OF OTHER MANUFACTURER'S SIMILAR PRODUCTS IS ALLOWED PROVIDED THAT THE SIZE IS EQUAL TO, AND CAPACITY IN SHEAR AND UPLIFT ARE EQUAL TO OR GREATER THAN WHAT IS SPECIFIED ON THE DRAWINGS. THE COST OF REDESIGN OF SUCH SUBSTITUTIONS SHALL BE BORE BY THE CONTRACTOR.
- INSTALLATION OF ANCHORS SHALL STRICTLY FOLLOW ALL MANUFACTURER'S WRITTEN INSTRUCTIONS AND SPECIFICATIONS. ALL DRILL HOLE PREPARATIONS SHALL BE FOLLOWED.
- NO LOAD SHALL BE APPLIED TO ADHESIVE ANCHORS PRIOR TO THE FULL CURE TIME AS SPECIFIED BY THE MANUFACTURER.
- TESTING OF 10% OF ALL INSTALLED ANCHORS IS REQUIRED. TESTED ANCHORS SHALL MEET THE MANUFACTURERS PROOF LOAD REQUIREMENTS AND/OR INSTALLATION TORQUE REQUIREMENTS. MALFUNCTIONING FASTENERS SHALL BE REPLACED.
- ALL ADHESIVE ANCHOR INSTALLATIONS IN THE HORIZONTAL TO VERTICALLY OVERHEAD ORIENTATION SHALL BE CONDUCTED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER AS CERTIFIED BY ACI PER 318-11 9.2.2 OR ACI 318-14 17.8.2.2 OR ACI 318-19 17.2.2 OR AN APPROVED EQUIVALENT. CURRENT AAI CERTIFICATE MUST BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY ADHESIVE ANCHOR INSTALLATIONS.
- ADHESIVE ANCHORS IN CRACKED AND UNCRACKED CONCRETE SHALL BE DEWALT PURE 220+ (ICC-ES ESR 5144) OR SIMPSON SET 3G OR HILTI RE 500 V3.
- SCREW ANCHORS IN CRACKED AND UNCRACKED CONCRETE SHALL BE DEWALT SCREW-BOLT+ (ICC-ES ESR 4042) OR SIMPSON TITEN HD OR HILTI KWIK KH-EZ / KWIK.

FOOTING SCHEDULE					
MARK	DIMENSIONS			REINFORCING	REMARKS
	WIDTH	LENGTH	THICKNESS		
F3	3'-0"	3'-0"	1'-0"	(3) #5 EW	
F5	5'-0"	5'-0"	1'-2"	(6) #5 EW	
F6	6'-0"	6'-0"	1'-4"	(8) #5 EW	
F7	7'-0"	7'-0"	1'-6"	(7) #6 EW	
F8	8'-0"	8'-0"	1'-8"	(7) #7 EW	



PIER SCHEDULE						
MARK	DIMENSIONS			REINFORCING		REMARKS
	DIAMETER	WIDTH	LENGTH	VERTICAL	TIES	
P16		1'-4"	1'-4"	(8)-#6	#3 @1'-0" OC	
P32		2'-8"	2'-8"	(12)-#6	#3 @1'-0" OC	
P1624		1'-4"	2'-0"	(8)-#6	#3 @1'-0" OC	

LINTEL SCHEDULE				
MARK	LINTEL	JAMB REINF	LINTEL TYPE	REMARKS
L1	8" BOND BEAM W/ (2)-#5 CONT	(1) #5	A	
L2	16" BOND BEAM W/ (2)-#5 CONT	(1) #5	A	

CONCRETE SLAB ON GRADE SCHEDULE					
MARK	CONCRETE SLAB			COMPACTED GRAVEL THICKNESS	REMARKS
	TYPE	THICKNESS	SLAB REINFORCING		
SOG 4	NWC	4"	FORTA FERRO FIBER REINFORCING (3 LB/CY)	6"	SEE TYPICAL SLAB JOINT DETAIL
SOG 8	NWC	8"	#4 @ 12" OC EACH WAY TOP & BOTTOM	8"	

PRECAST CONCRETE PLANK SCHEDULE							
MARK	SYSTEM DEPTH	PLANK DEPTH	INSULATION THICKNESS	TOPPING			REMARKS
				THICKNESS	TYPE	REINFORCING	
PC8+2	10"	8"	0"	2"	NWC - STRUCTURAL	FORTA FERRO FIBER REINF (3LB/CY)	

WOOD DECK/SHEATHING SCHEDULE						
MARK	SYSTEM DEPTH	STRUCTURAL LAYER		TOPPING/OVERLAYMENT		REMARKS
		TYPE	THICKNESS	TYPE	THICKNESS	
WD062	5/8"	PLYWOOD/OSB WOOD SHEATHING	5/8"	-		PROVIDE SIMPSON PSC CLIPS AT PANEL EDGES
WD150	1 1/2"	2X6 TONGUE & GROOVE WOOD DECKING	1 1/2"		0"	

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forest
preserves
of winnebago county

New Building

for

Forest Preserves of
Winnebago County

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

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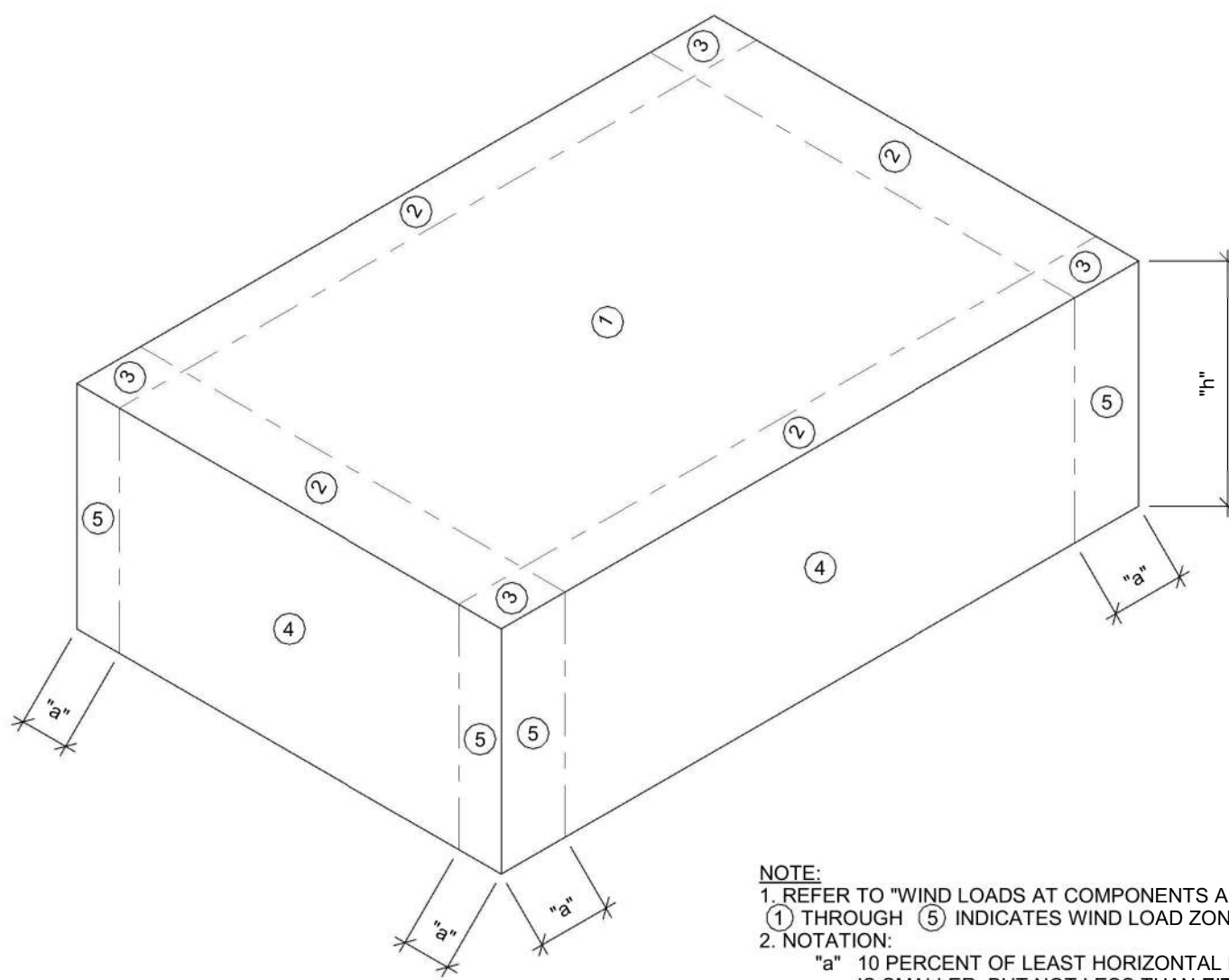
Sheet Title

STRUCTURAL GENERAL
NOTES & SCHEDULES

Ref. North Sheet No.

S002

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



NOTE:
1. REFER TO "WIND LOADS AT COMPONENTS AND CLADDING" FOR DEFINITIONS.
① THROUGH ⑤ INDICATES WIND LOAD ZONES.
2. NOTATION:
"a" 10 PERCENT OF LEAST HORIZONTAL DIMENSION OR 0.4h, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4" OF LEAST HORIZONTAL DIMENSION OR 3 FT.
"h" MEAN ROOF HEIGHT, IN FEET, EXCEPT THAT EAVE HEIGHT SHALL BE USED FOR Ø ≤ 10°
"Ø" ANGLE OF PLANE OF ROOF FROM HORIZONTAL, IN DEGREES.

1
S002

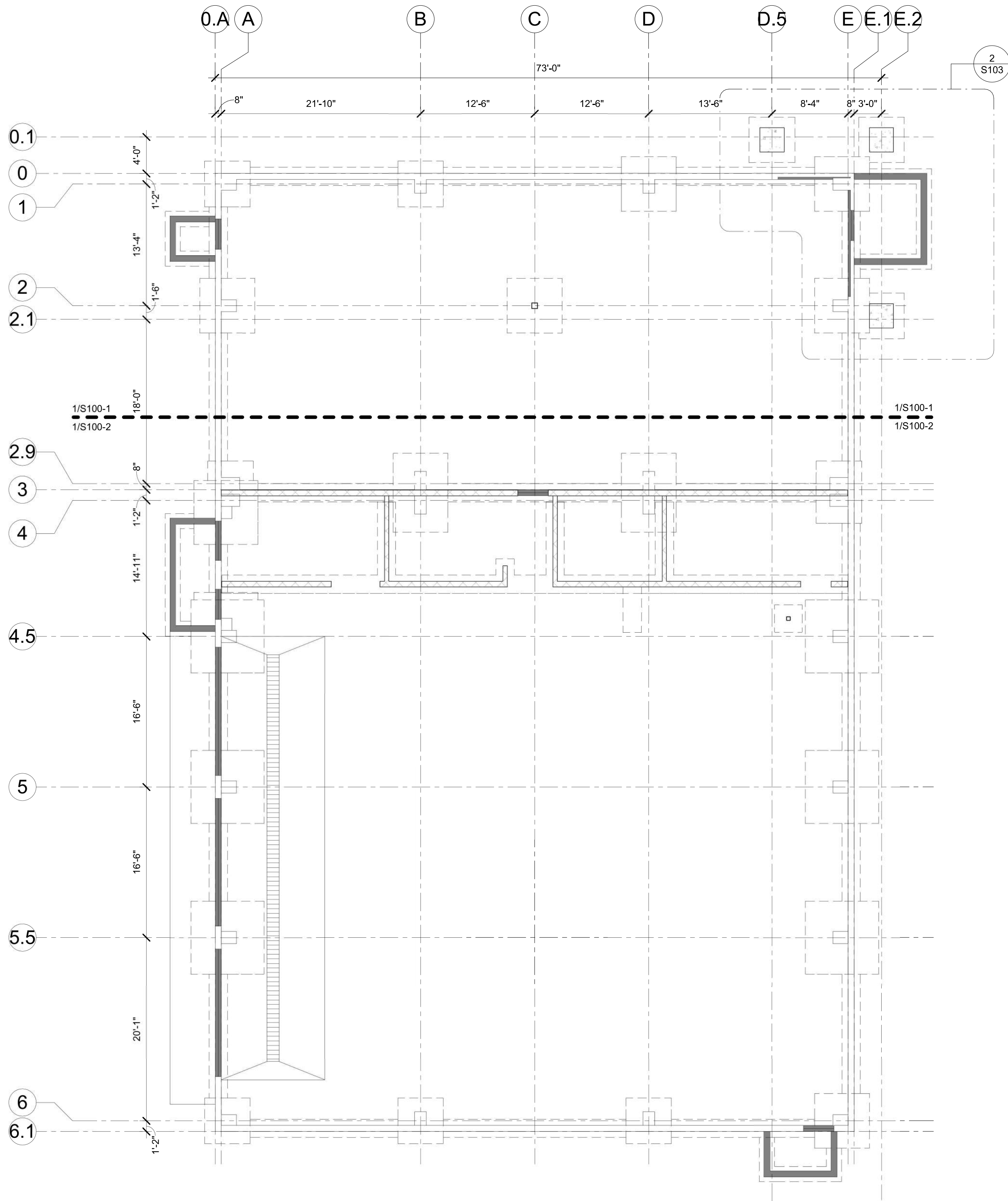
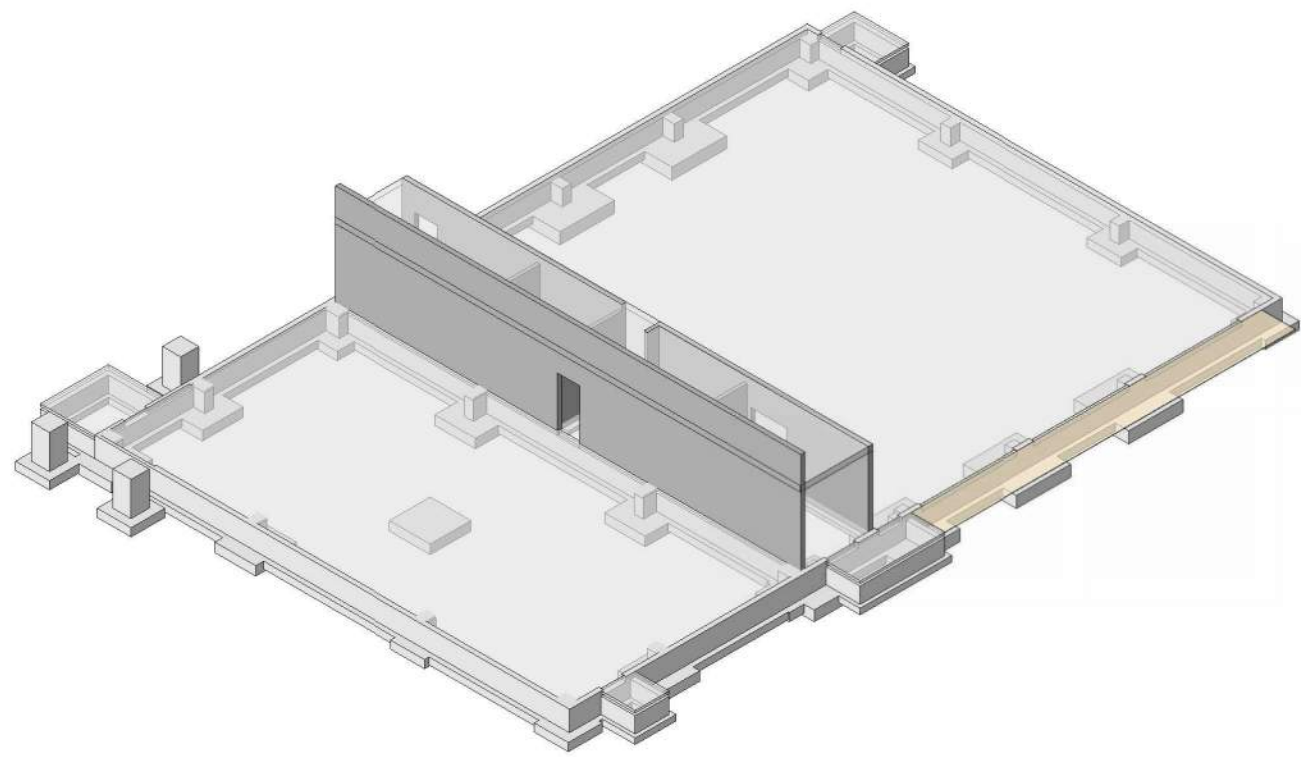
COMPONENTS & CLADDING DIAGRAM

SCALE: NTS

ULTIMATE ROOF SURFACE PRESSURE (PSF)			
AREA (SF)	10.0	100.0	500.0
NEGATIVE ZONE 1	-43.3	-33.6	-27.0
NEGATIVE ZONE 2	-24.7	-24.7	-16.0
NEGATIVE ZONE 3	-56.8	-44.6	-36.2
POSITIVE ALL ZONES	16.0	16.0	16.0
OVERHANG ZONE 1&1'	-38.9	-36.6	-22.9
OVERHANG ZONE 2	-52.6	-36.5	-25.2
OVERHANG ZONE 3	-73.3	-45.0	-25.2
ULTIMATE PARAPET SURFACE PRESSURE (PSF)			
AREA (SF)	10.0	50.0	100.0
CASE A: INTERIOR ZONE	-	-	-
CASE A: CORNER ZONE	-	-	-
CASE B: INTERIOR ZONE	-	-	-
CASE B: CORNER ZONE	-	-	-
ULTIMATE WALL SURFACE PRESSURE (PSF)			
AREA (SF)	20.0	100.0	200.0
NEGATIVE ZONE 4	-25.7	-23.1	-22.0
NEGATIVE ZONE 5	-30.8	-25.7	-23.5
POSITIVE ZONE 4 & 5	23.6	21.1	20.0

LICENSED STRUCTURAL ENGINEER
MATTHEW N. CHRISTIANSON
081-008029
STATE OF ILLINOIS
10/27/25
EXP 11/30/26

CORE4
engineering
N70 W5185 Columbia Road
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C4E Project #: 25114
IL DESIGN FIRM 184-006824



1
S100

FOUNDATION PLAN - OVERALL

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

- FOUNDATION PLAN NOTES:**
1. SEE SHEET S001 FOR STRUCTURAL GENERAL NOTES AND S002 FOR STRUCTURAL SCHEDULES.
 2. SEE SHEET S300 FOR FOUNDATION WALL CONSTRUCTION JOINTS AND TYPICAL REINFORCING DETAILS.
 3. TOP OF EXTERIOR FOOTING ELEVATION = -3'-0" UNO.
 4. TOP OF INTERIOR FOOTING ELEVATION = -1'-0" UNO.
 5. TOP OF PIER ELEVATION = 0'-0" UNO.
 6. TOP OF FOUNDATION WALL ELEVATION = 0'-0" UNO.
 7. SEE MECHANICAL DRAWINGS FOR HOUSEKEEPING PADS REQUIRED FOR MECHANICAL EQUIPMENT.
 8. SEE ARCHITECTURAL DRAWINGS FOR DOOR OPENING SIZES AND LOCATIONS IN WALLS.
 9. COORDINATE WITH ARCHITECTURAL DRAWINGS AND FRAMING PLANS FOR HOLDDOWN REINFORCING LOCATIONS IN FOUNDATION WALLS.
 10. GENERAL CONTRACTOR TO PROVIDE ALL SHORING REQUIRED FOR EXISTING BUILDING AND/OR NEW BUILDING. SEE GENERAL REQUIREMENTS NOTE 1 AND EXISTING CONSTRUCTION NOTE 3 FOR ADDITIONAL INFORMATION.

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New Building

for

Forest Preserves of
Winnebago County

Meridian Rd.,
Winnebago County, Illinois

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Sheet Title

OVERALL FOUNDATION
PLAN

Ref. North Sheet No.



S100

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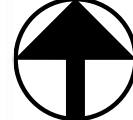
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Sheet Title

FOUNDATION PLAN

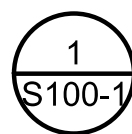
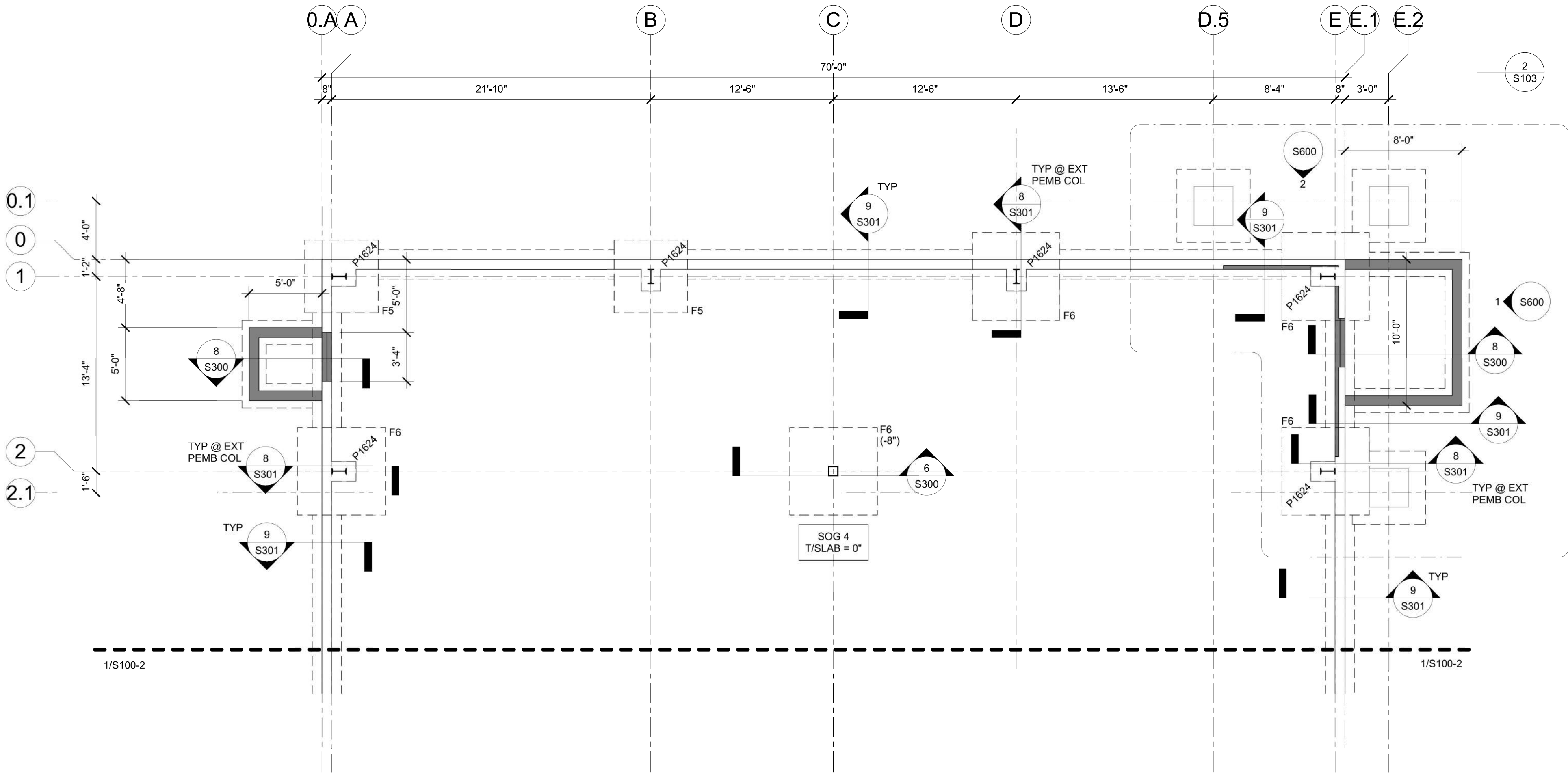
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S100-1

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

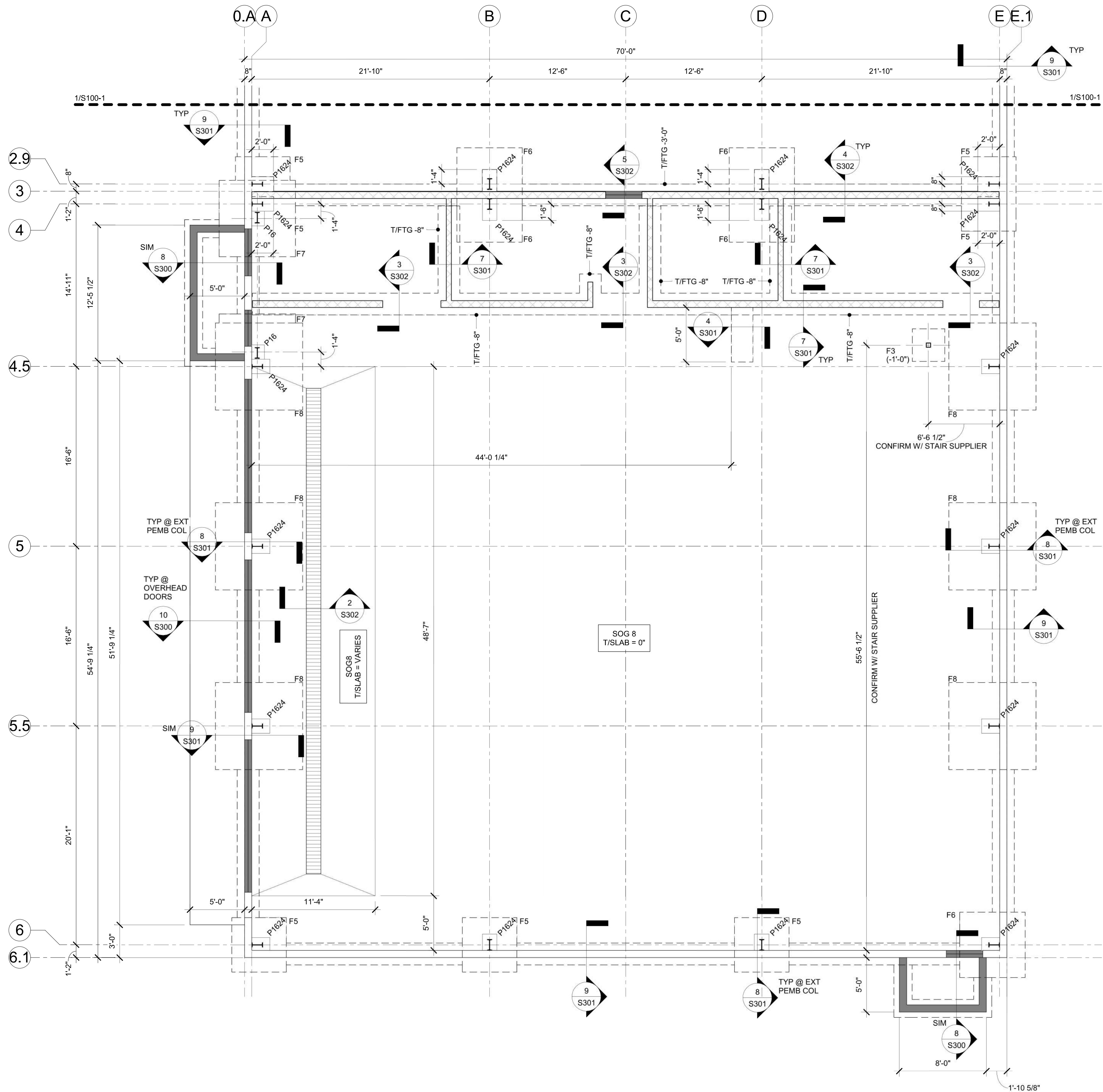
- FOUNDATION PLAN NOTES:**
- SEE SHEET S001 FOR STRUCTURAL GENERAL NOTES AND S002 FOR STRUCTURAL SCHEDULES.
 - SEE SHEET S300 FOR FOUNDATION WALL CONSTRUCTION JOINTS AND TYPICAL REINFORCING DETAILS.
 - TOP OF EXTERIOR FOOTING ELEVATION = -3'-0" UNO.
 - TOP OF INTERIOR FOOTING ELEVATION = -1'-0" UNO.
 - TOP OF PIER ELEVATION = 0'-0" UNO.
 - TOP OF FOUNDATION WALL ELEVATION = 0'-0" UNO.
 - SEE MECHANICAL DRAWINGS FOR HOUSEKEEPING PADS REQUIRED FOR MECHANICAL EQUIPMENT.
 - SEE ARCHITECTURAL DRAWINGS FOR DOOR OPENING SIZES AND LOCATIONS IN WALLS.
 - COORDINATE WITH ARCHITECTURAL DRAWINGS AND FRAMING PLANS FOR HOLDDOWN REINFORCING LOCATIONS IN FOUNDATION WALLS.
 - GENERAL CONTRACTOR TO PROVIDE ALL SHORING REQUIRED FOR EXISTING BUILDING AND/OR NEW BUILDING. SEE GENERAL REQUIREMENTS NOTE 1 AND EXISTING CONSTRUCTION NOTE 3 FOR ADDITIONAL INFORMATION.



FOUNDATION PLAN - ENLARGED

SCALE: 3/16" = 1'-0"





1 S100-2 FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

- FOUNDATION PLAN NOTES:**
1. SEE SHEET S001 FOR STRUCTURAL GENERAL NOTES AND S002 FOR STRUCTURAL SCHEDULES.
 2. SEE SHEET S300 FOR FOUNDATION WALL CONSTRUCTION JOINTS AND TYPICAL REINFORCING DETAILS.
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 4. TOP OF INTERIOR FOOTING ELEVATION = -1'-0" UNO.
 5. TOP OF PIER ELEVATION = 0'-0" UNO.
 6. TOP OF FOUNDATION WALL ELEVATION = 0'-0" UNO.
 7. SEE MECHANICAL DRAWINGS FOR HOUSEKEEPING PADS REQUIRED FOR MECHANICAL EQUIPMENT.
 8. SEE ARCHITECTURAL DRAWINGS FOR DOOR OPENING SIZES AND LOCATIONS IN WALLS.
 9. COORDINATE WITH ARCHITECTURAL DRAWINGS AND FRAMING PLANS FOR HOLDDOWN REINFORCING LOCATIONS IN FOUNDATION WALLS.
 10. GENERAL CONTRACTOR TO PROVIDE ALL SHORING REQUIRED FOR EXISTING BUILDING AND/OR NEW BUILDING. SEE GENERAL REQUIREMENTS NOTE 1 AND EXISTING CONSTRUCTION NOTE 3 FOR ADDITIONAL INFORMATION.



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New Building

for

Forest Preserves of
Winnebago County

Meridian Rd.,
Winnebago County, Illinois

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Scale

As indicated

Sheet Title

FOUNDATION PLAN

Ref. North

Sheet No.



S100-2

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184-003342



FLOOR FRAMING PLAN NOTES:
1. SEE SHEET S001 FOR STRUCTURAL GENERAL NOTES AND S002 FOR STRUCTURAL SCHEDULES.
2. SEE SHEET S400 FOR TYPICAL MASONRY SECTIONS AND DETAILS, INCLUDING TYPICAL WALL REINFORCING.
3. SEE SHEET S500 FOR TYPICAL STEEL SECTIONS AND DETAILS.
4. SEE ARCHITECTURAL DRAWINGS FOR DOOR OPENING SIZES, ELEVATIONS AND LOCATIONS IN MASONRY WALLS NOT SHOWN ON PLAN.
5. GC TO COORDINATE SIZE & LOCATIONS OF ALL FLOOR PENETRATIONS & WALL OPENINGS WITH MECHANICAL, PLUMBING & ELECTRICAL CONTRACTORS.
6. ALL PRECAST PLANK JOINTS SHALL BE GROUTED.
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BA

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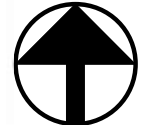
Scale

As indicated

Sheet Title

OVERALL MEZZANINE
FRAMING PLAN

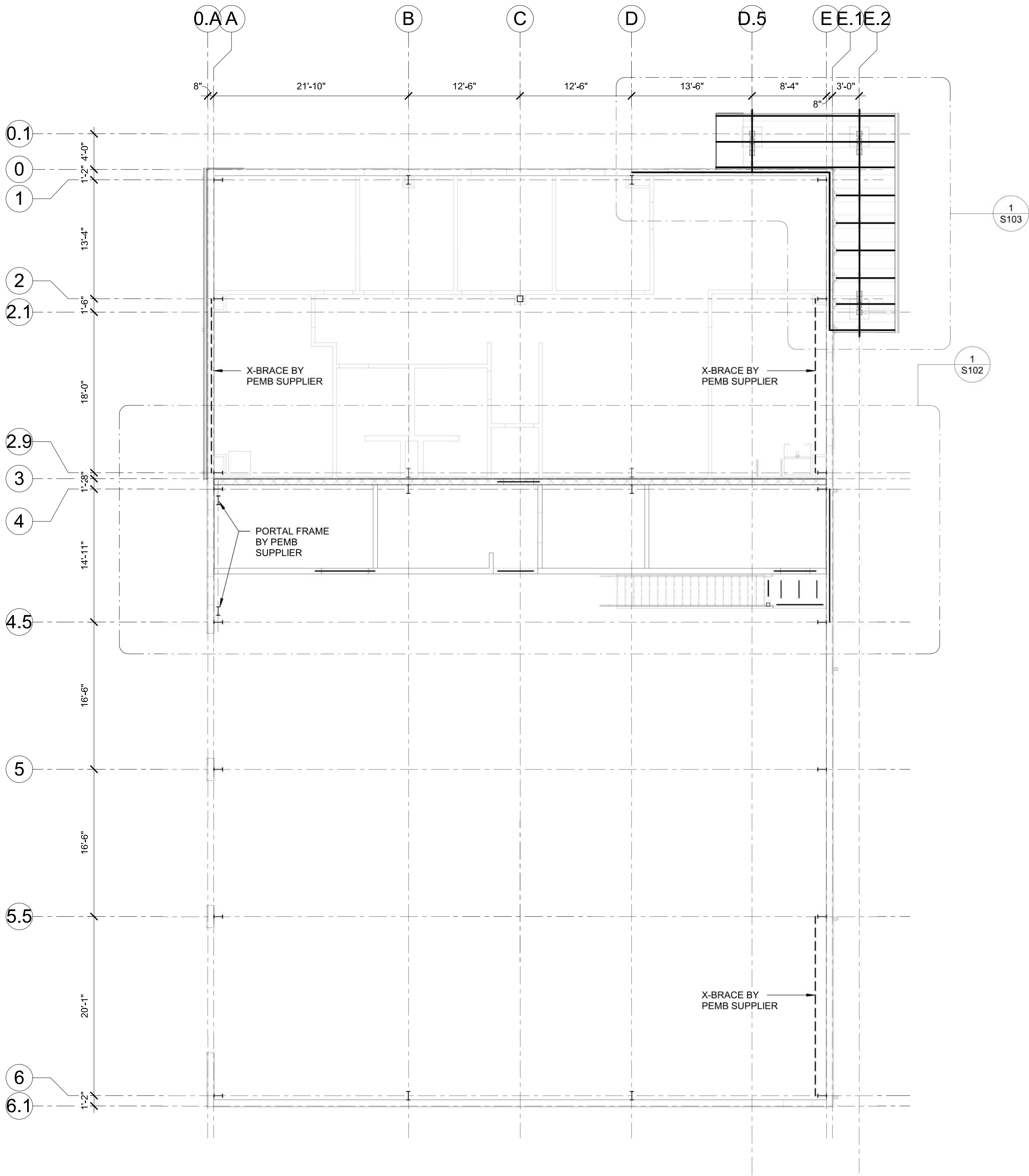
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Sheet No.

S101

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



MEZZANINE FRAMING PLAN - OVERALL

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

10/27/25
EXP 11/30/26

N70 W5185 Columbia Road
Cedarburg, WI 53012 | 262.236.9372
C4E Project #: 25114
IL DESIGN FIRM 184-006824

FLOOR FRAMING PLAN NOTES:
1. SEE SHEET S001 FOR STRUCTURAL GENERAL NOTES AND S002 FOR STRUCTURAL SCHEDULES.
2. SEE SHEET S400 FOR TYPICAL MASONRY SECTIONS AND DETAILS, INCLUDING TYPICAL WALL REINFORCING.
3. SEE SHEET S600 FOR TYPICAL STEEL SECTIONS AND DETAILS.
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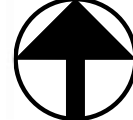
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Sheet Title

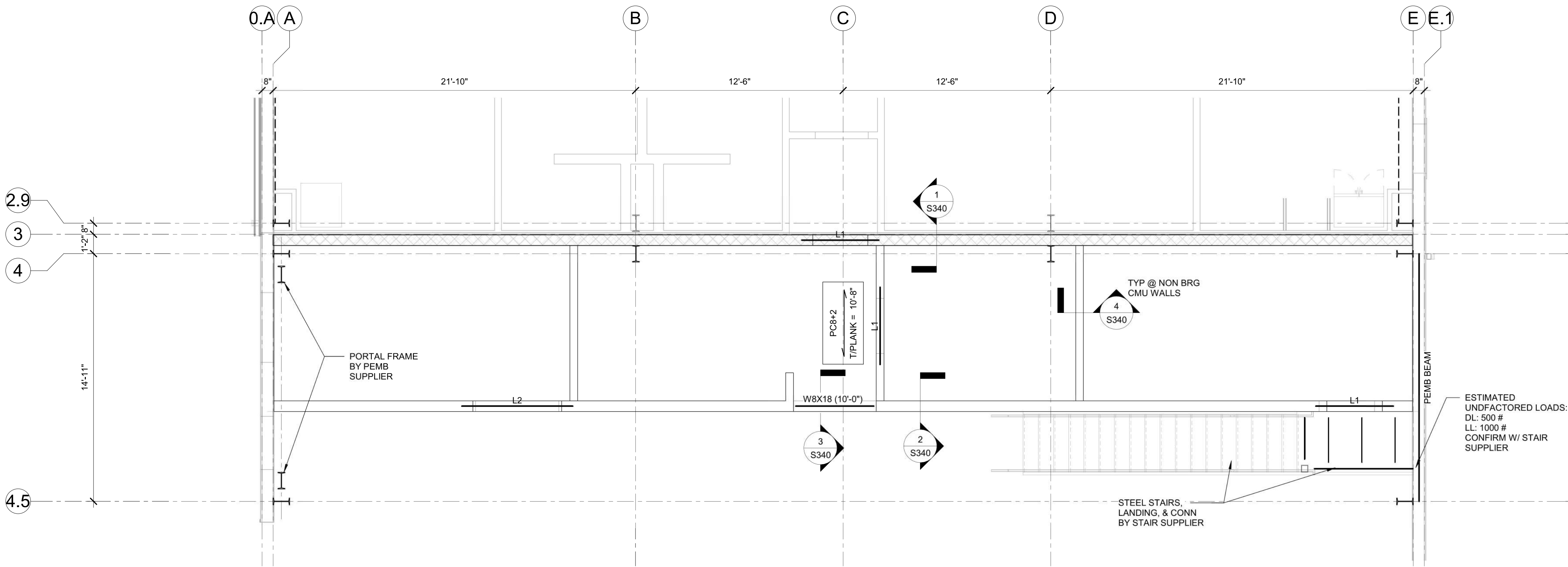
MEZZANINE FRAMING
PLAN

Ref. North Sheet No.



S102

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



1
S102
MEZZANINE FRAMING PLAN - ENLARGED
SCALE: 1/4" = 1'-0"



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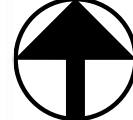
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As indicated

Sheet Title

ENLARGED FLOOR
PLANS

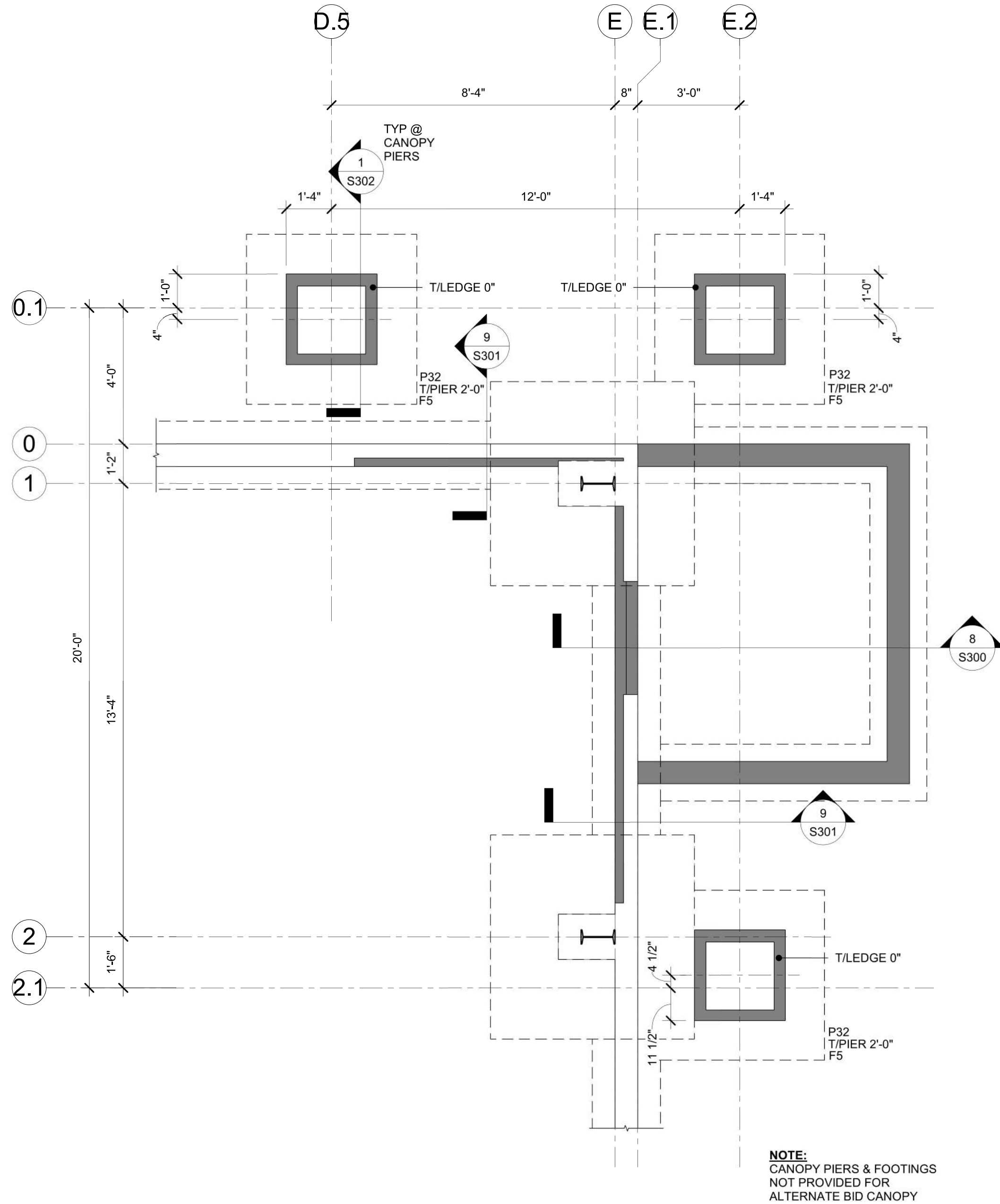
Ref. North Sheet No.



S103

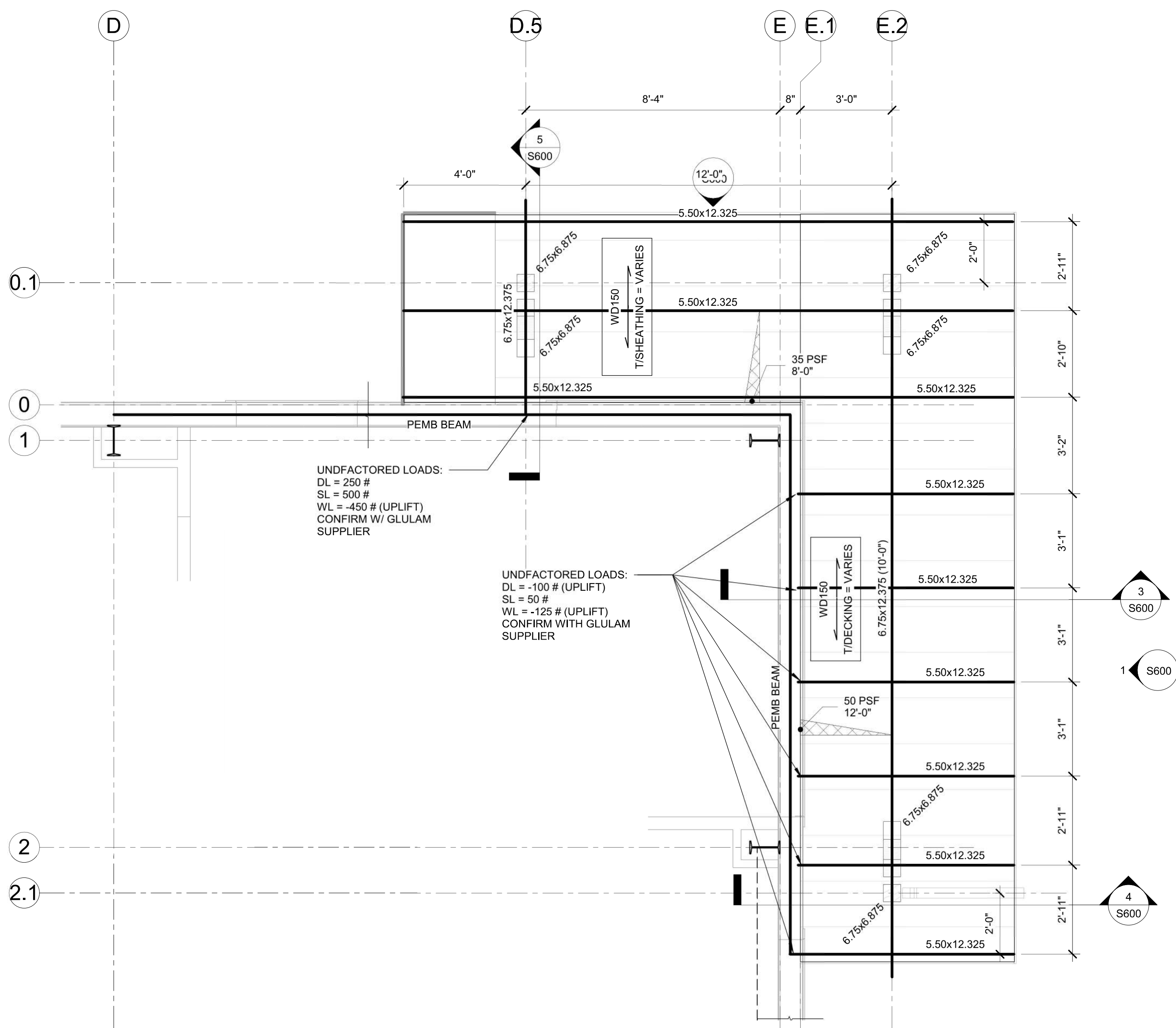
PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

- FOUNDATION PLAN NOTES:**
- SEE SHEET S001 FOR STRUCTURAL GENERAL NOTES AND S002 FOR STRUCTURAL SCHEDULES.
 - SEE SHEET S300 FOR FOUNDATION WALL CONSTRUCTION JOINTS AND TYPICAL REINFORCING DETAILS.
 - TOP OF EXTERIOR FOOTING ELEVATION = -3'-0" UNO.
 - TOP OF INTERIOR FOOTING ELEVATION = -1'-0" UNO.
 - TOP OF PIER ELEVATION = 0'-0" UNO.
 - TOP OF FOUNDATION WALL ELEVATION = 0'-0" UNO.
 - SEE MECHANICAL DRAWINGS FOR HOUSEKEEPING PADS REQUIRED FOR MECHANICAL EQUIPMENT.
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 - COORDINATE WITH ARCHITECTURAL DRAWINGS AND FRAMING PLANS FOR HOLDDOWN REINFORCING LOCATIONS IN FOUNDATION WALLS.
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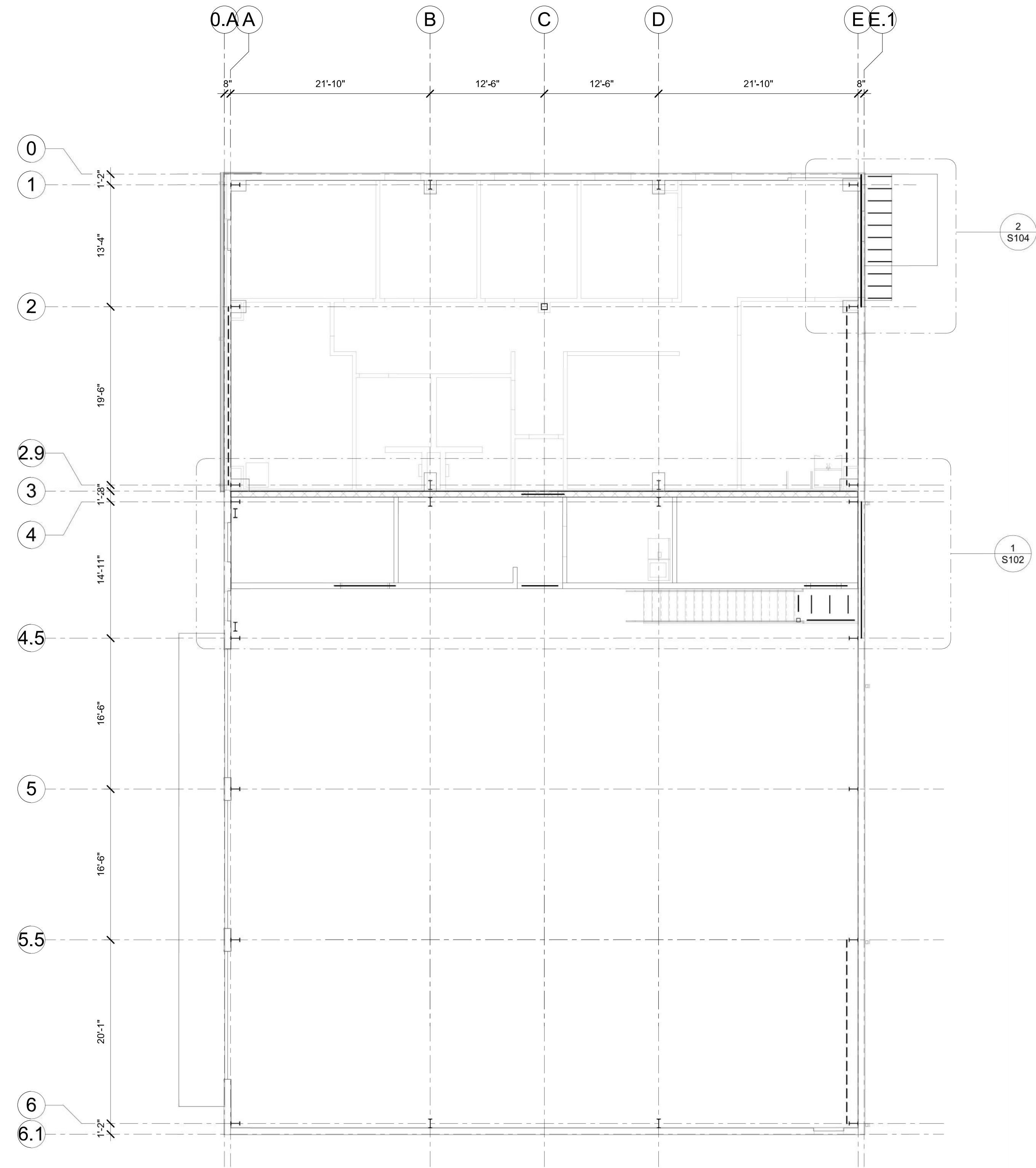
2 CANOPY FOUNDATION PLAN
S103 SCALE: 3/8" = 1'-0"

- ROOF PLAN NOTES:**
- SEE SHEET S001 FOR STRUCTURAL GENERAL NOTES AND S002 FOR STRUCTURAL SCHEDULES.
 - SEE SHEET S400 FOR TYPICAL MASONRY SECTIONS AND DETAILS, INCLUDING TYPICAL WALL REINFORCING.
 - SEE SHEET S600 FOR TYPICAL WOOD SECTIONS AND DETAILS.
 - SEE ARCHITECTURAL DRAWINGS FOR GLULAM PROFILES, HEEL HEIGHTS, TRUSS BEARING ELEVATIONS AND ROOF SLOPES.
 - ALL GLULAM MEMBERS ARE TO BE SOUTHERN PINE, TREATED & STAINED.
 - GC TO COORDINATE FINAL SIZE AND LOCATION OF OPENINGS, EQUIPMENT AND ROOF DRAINS WITH MECHANICAL AND PLUMBING CONTRACTORS.
 - GENERAL CONTRACTOR TO PROVIDE ALL SHORING REQUIRED FOR EXISTING BUILDING AND/OR NEW BUILDING. SEE GENERAL REQUIREMENTS NOTE 1 AND EXISTING CONSTRUCTION NOTE 3 FOR ADDITIONAL INFORMATION.

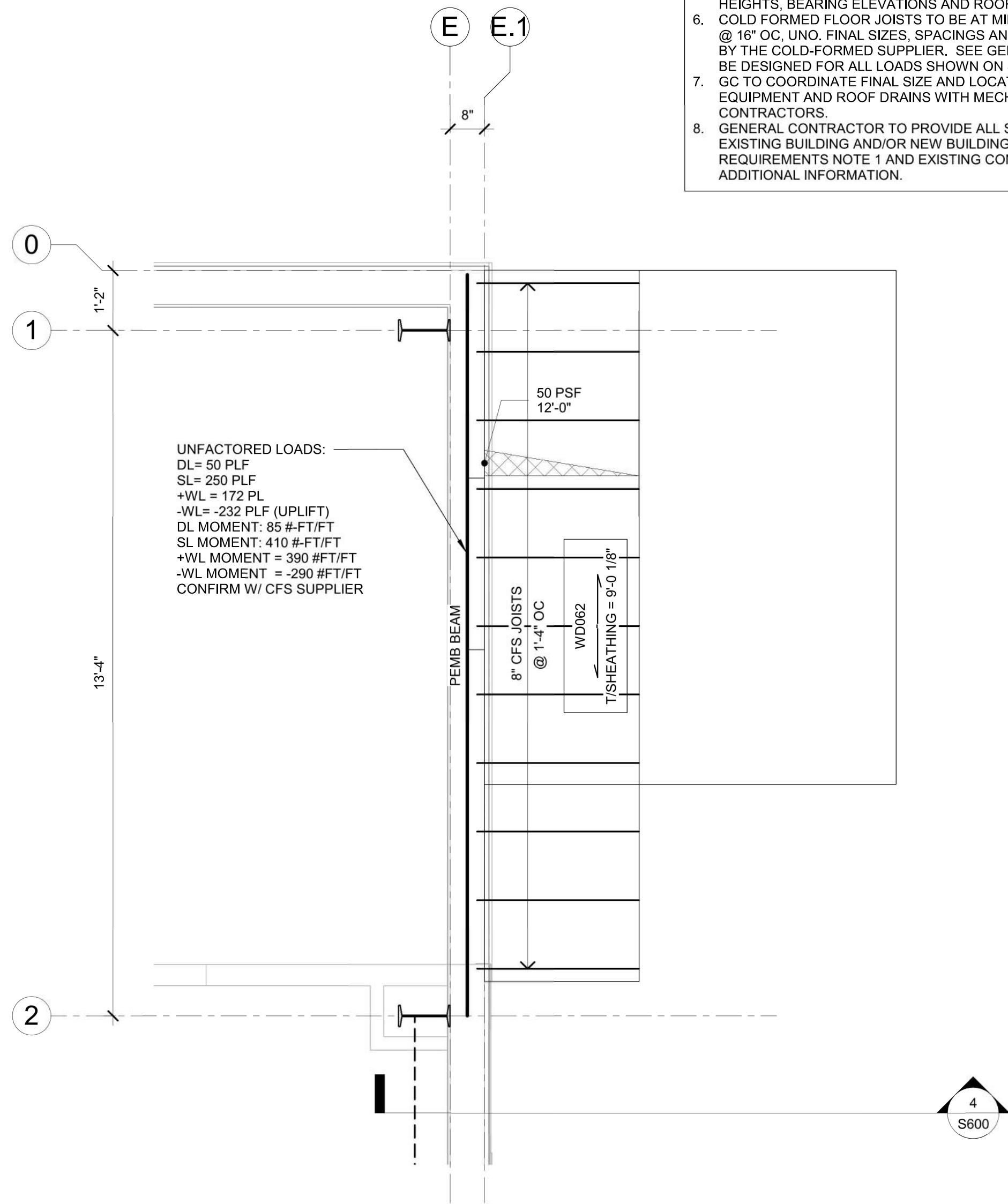


1 CANOPY ROOF FRAMING PLAN
S103 SCALE: 3/8" = 1'-0"

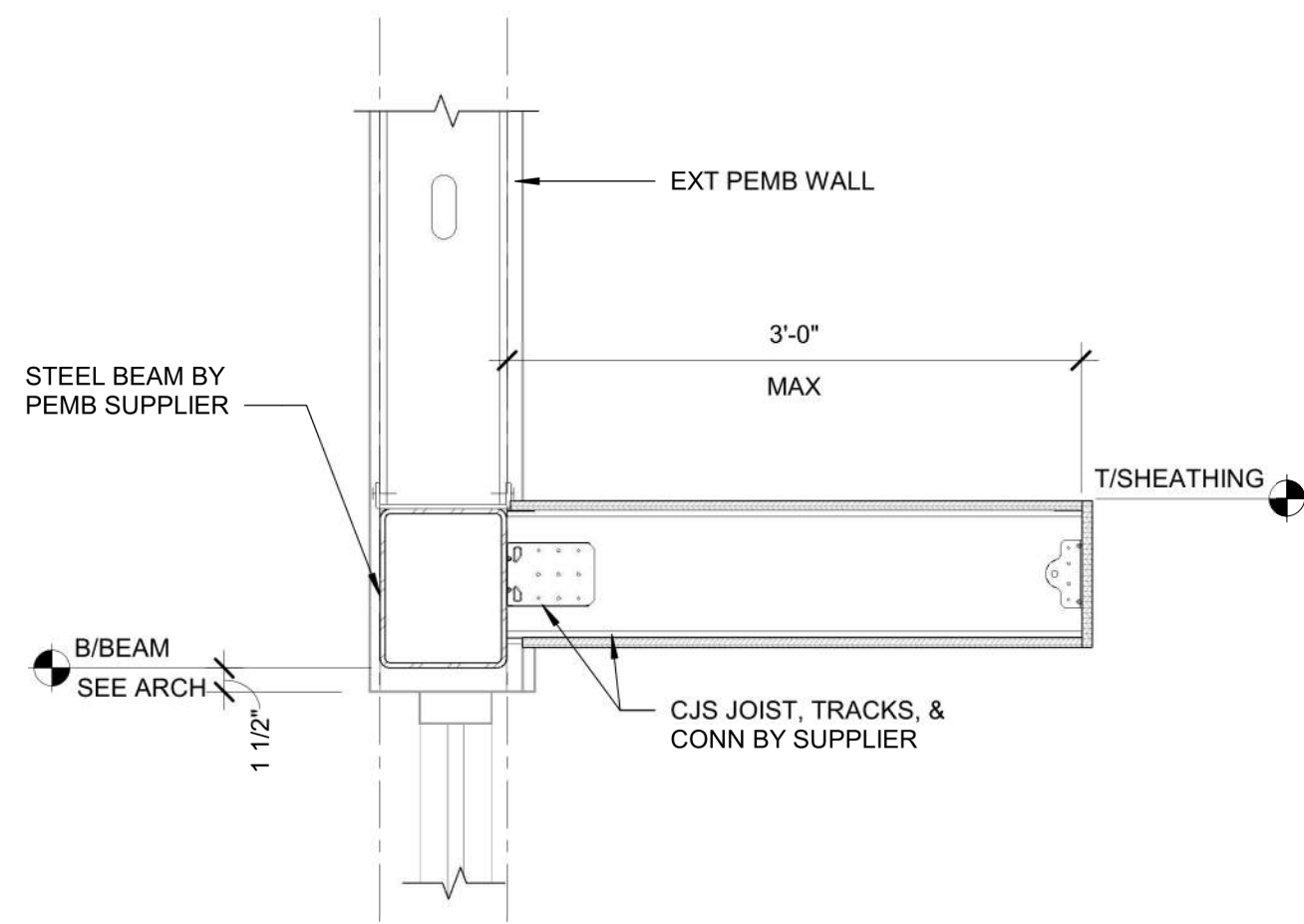




1 S104 MEZZANINE FRAMING PLAN - OVERALL
SCALE: 1/8" = 1'-0"



2 S104 ALTERNATE BID CANOPY ROOF FRAMING PLAN
SCALE: 1/2" = 1'-0"



3 S104 SECTION
SCALE: NTS

ROOF PLAN NOTES:
1. SEE SHEET S001 FOR STRUCTURAL GENERAL NOTES AND S002 FOR STRUCTURAL SCHEDULES.
2. SEE SHEET S400 FOR TYPICAL MASONRY SECTIONS AND DETAILS, INCLUDING TYPICAL WALL REINFORCING.
3. SEE SHEET S500 FOR TYPICAL STEEL SECTIONS AND DETAILS.
4. SEE SHEET S600 FOR TYPICAL WOOD SECTIONS AND DETAILS.
5. SEE ARCHITECTURAL DRAWINGS FOR ROOF PROFILES, HEEL HEIGHTS, BEARING ELEVATIONS AND ROOF SLOPES.
6. COLD FORMED FLOOR JOISTS TO BE AT MINIMUM 800S162-33 (33) @ 16" OC, UNO, FINAL SIZES, SPACINGS AND CONNECTIONS BY THE COLD-FORMED SUPPLIER. SEE GENERAL NOTES, JOISTS TO BE DESIGNED FOR ALL LOADS SHOWN ON S001 & S002.
7. GC TO COORDINATE FINAL SIZE AND LOCATION OF OPENINGS, EQUIPMENT AND ROOF DRAINS WITH MECHANICAL AND PLUMBING CONTRACTORS.
8. GENERAL CONTRACTOR TO PROVIDE ALL SHORING REQUIRED FOR EXISTING BUILDING AND/OR NEW BUILDINGS. SEE GENERAL REQUIREMENTS NOTE 1 AND EXISTING CONSTRUCTION NOTE 3 FOR ADDITIONAL INFORMATION.

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Scale

As indicated

Sheet Title

ALTERNATE BID CANOPY

Ref. North Sheet No.

S104

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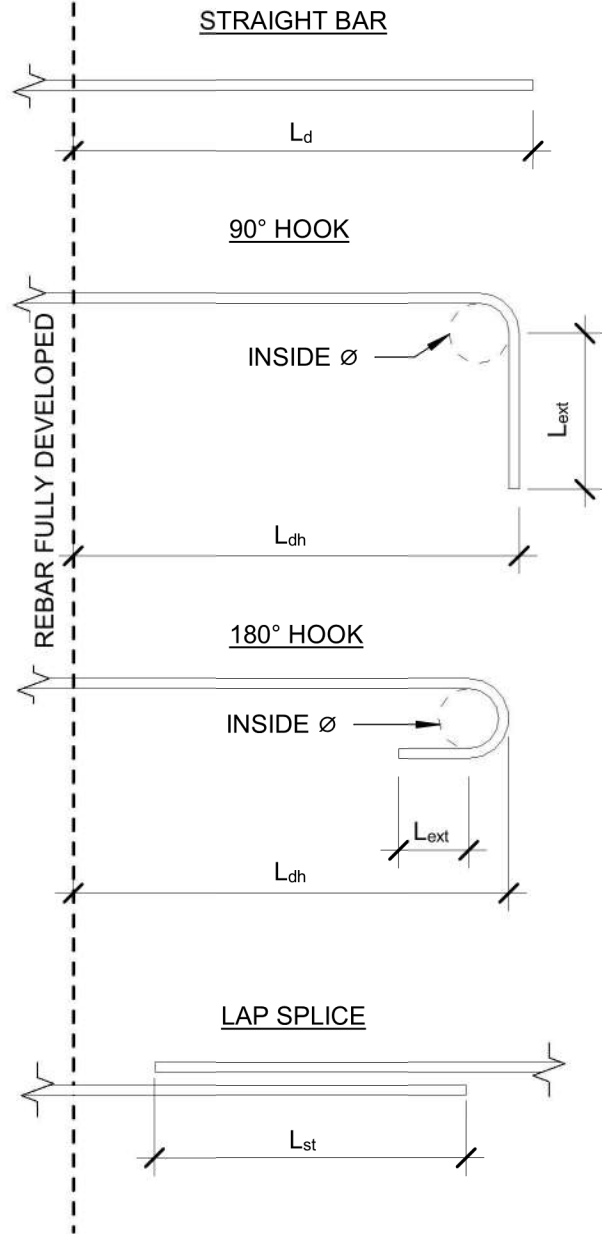
BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
INSIDE BEND ϕ	2.25"	3	3.75	4.5	5.25	6	9.0	10.2	11.3
L_{ext} - 90° HOOK	4.5"	6	7.5	9	10.5	12	13.5	15.2	16.8
L_{ext} - 180° HOOK	2.5"	2.5	2.5	3	3.5	4	4.5	5.1	5.6

3000 PSI	L_d	16.4	21.9	27.4	32.9	47.9	54.8	1.8	69.6	77.2
	L_{db}	8.2	11.0	13.7	16.4	19.2	21.9	24.7	27.8	30.9
	L_{dt} TOP BARS	28	38	47	56	81	93	105	118	131
	L_{dt} OTHERS	22	29	36	43	63	72	81	91	101

4000 & 4500 PSI	L_d	14.2	19.0	23.7	28.5	41.5	47.4	53.5	60.2	66.9
	L_{db}	7.1	9.5	11.9	14.2	16.6	19.0	21.4	24.1	26.8
	L_{dt} TOP BARS	25	33	41	49	71	81	91	102	114
	L_{dt} OTHERS	19	25	31	37	54	62	70	79	87

5000 PSI	L_d	12.7	17.0	21.2	25.5	37.1	42.4	47.9	53.9	59.8
	L_{db}	6.4	8.5	10.6	12.7	14.9	17.0	19.1	21.6	23.9
	L_{dt} TOP BARS	22	29	36	43	63	72	81	92	102
	L_{dt} OTHERS	17	23	28	34	49	56	63	70	78

- NOTE:
- TABULATED VALUED ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE.
 - TENSION LAP SPLICE LENGTHS ARE CALCULATED PER ACI 318-14. LENGTHS ARE IN INCHES.
 - TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.
 - SPLICE COVERS IN THIS SCHEDULE ARE BASED ON CLEAR COVER AT LEAST 1.0 BAR ϕ AND CLEAR SPACING AT LEAST 2.0 BAR ϕ .

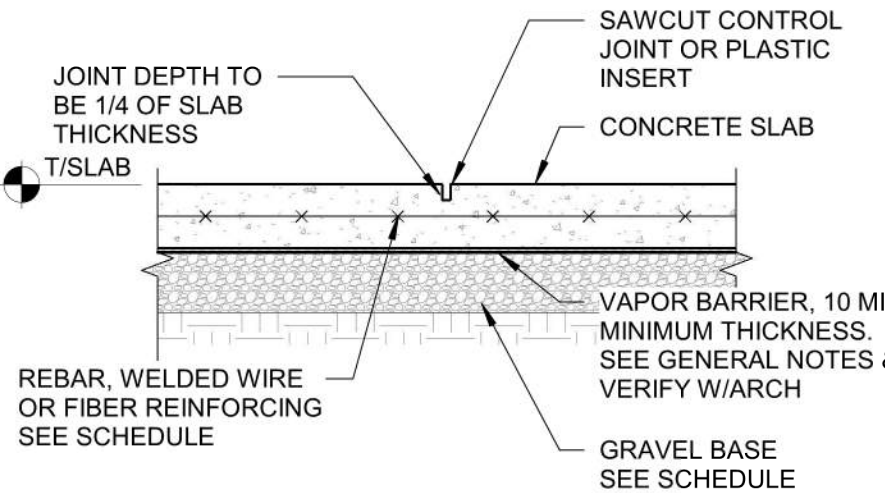


- SECTION 1: SLAB-ON-GRADE NOTES
- SLAB-ON-GRADE CONSTRUCTION SHOULD CONFORM WITH THE RECOMMENDATIONS AND REQUIREMENTS SET FORTH IN THE LATEST RELEASE OF ACI 302 GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION.
 - REFER TO GEOTECHNICAL REPORT AND/OR ARCHITECTURAL DRAWINGS & SPECIFICATIONS FOR SUB-FLOOR DRAINAGE SYSTEM, SUBGRADE PREPARATION, MUD SLAB AND/OR VAPOR RETARDER REQUIREMENTS.
 - THE SUBGRADE SHALL BE FREE OF STANDING WATER AT THE TIME OF CONCRETE PLACEMENT.
 - REFER TO PLANS FOR SLAB THICKNESS ("T") AND REINFORCEMENT (WWF OR REINFORCEMENT BARS). REFER TO SPECIFICATIONS FOR FIBER REINFORCEMENT TO BE INCORPORATED IN CONCRETE MIX, IF ANY. WHERE PRESENT, REINFORCING BARS SHALL BE CHAIRED BY SOIL SUPPORTED SLAB BOLSTERS.
 - PROVIDE (2) #5 x 4'-0" AT ALL RE-ENTRANT CORNERS AND OTHER SIMILAR SLAB DISCONTINUITIES.
 - UNLESS SHOWN OTHERWISE ON THE DRAWINGS, PROVIDE CONTROL AND/OR CONSTRUCTION JOINTS AT EVERY COLUMN LINE AND IN BETWEEN THE COLUMNS SUCH THAT THE JOINT SPACING DOES NOT EXCEED 36 x ("T") UNO. THE RESULTING PANELS SHOULD BE APPROXIMATELY SQUARE.

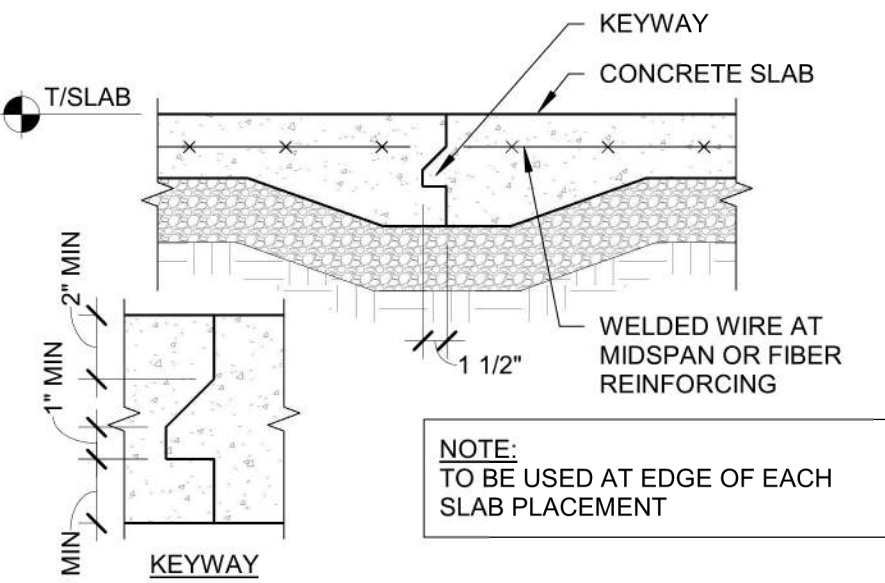
- SECTION 2: CONSTRUCTION JOINT NOTES
- BREAK THE BOND BETWEEN NEW AND PREVIOUSLY PLACES SLABS BY SPRAYING OR BY PAINTING THE EXPOSED SIDE OF THE JOINT WITH A CURING COMPOUND, ASPHALTIC EMULSION, OR FORM OIL.

- SECTION 3: CONTROL JOINT NOTES
- FOR SAW-CUT CONTROL JOINTS, MAKE THE SAW-CUT AS SOON AS THE SLAB IS ABLE TO SUPPORT THE WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO THE FINISHED SURFACE OF THE SLAB, BUT WITHIN 24 HOURS.
 - DEPTH OF SAW-CUT SHOULD BE 1 1/4" IF PRODUCED USING THE EARLY ENTRY DRY-CUT PROCESS AND 1 3/4" (1" MIN) IF PRODUCED USING THE CONVENTIONAL WET-CUT PROCESS.
 - VERIFY WITH ARCHITECT FOR EPOXY RESIN OR ELASTOMERIC SEALANT REQUIREMENTS TO FILL CONTROL JOINTS.

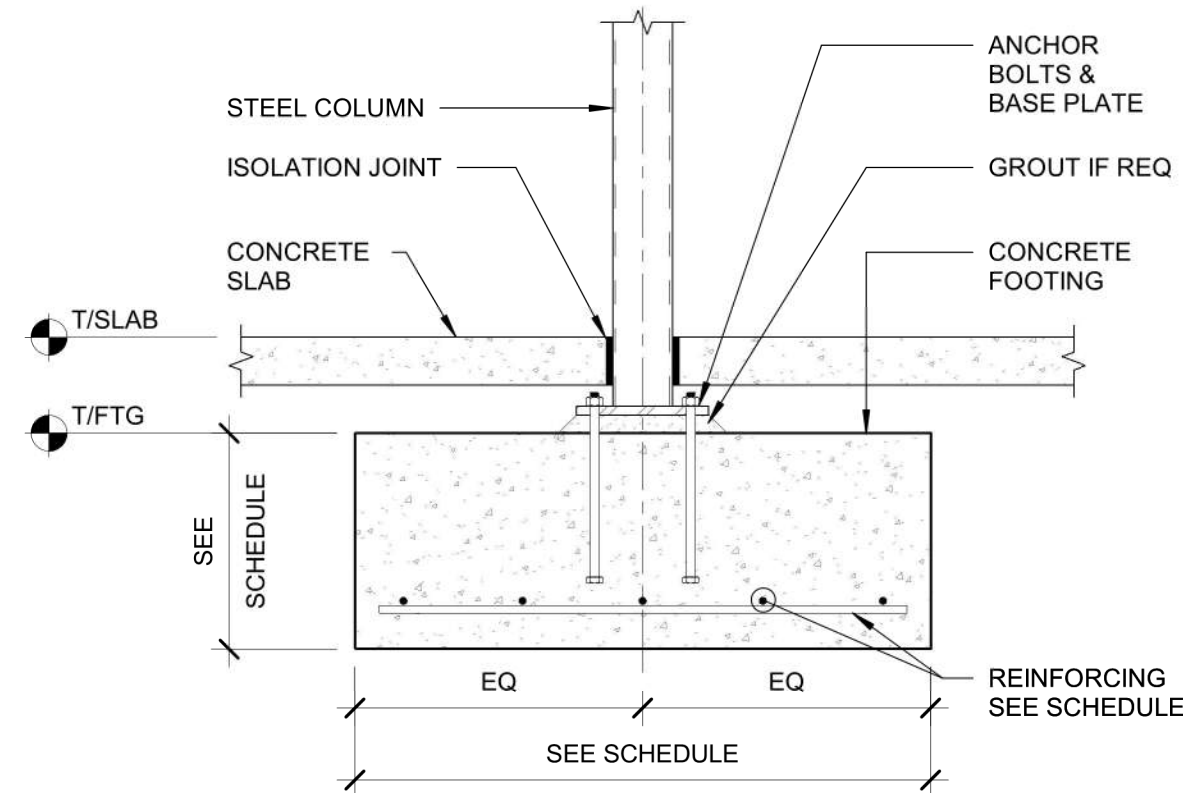
- SECTION 4: FORMED CONTROL JOINT OPTION NOTES
- FORM CONTROL JOINTS BY INSERTING A PRE-MOLDED STRIP INTO THE FRESH CONCRETE UNTIL THE TOP SURFACE OF THE STRIP IS FLUSH WITH THE TOP SURFACE OF THE SLAB.
 - TOOL THE SLAB EDGES ROUND ON EACH SIDE OF THE INSERT, 1/8" MAX RADIUS.
 - AFTER THE CONCRETE HAS CURED, REMOVE THE INSERTS AND CLEAN THE GROOVE OF LOOSE DEBRIS.



SLAB CONTROL JOINT



SLAB CONSTRUCTION JOINT



TYPICAL COLUMN BEARING

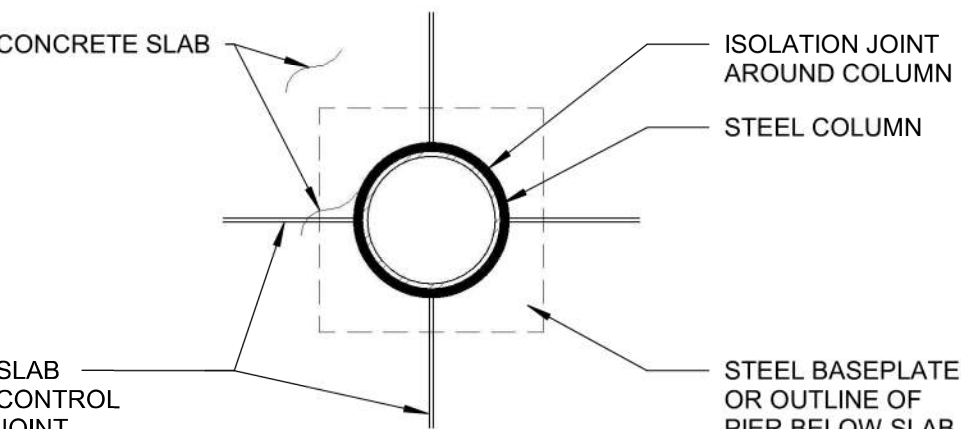
SCALE: NTS

REINFORCING STEEL TYPICAL DEVELOPMENT LENGTHS & LAP SPLICES

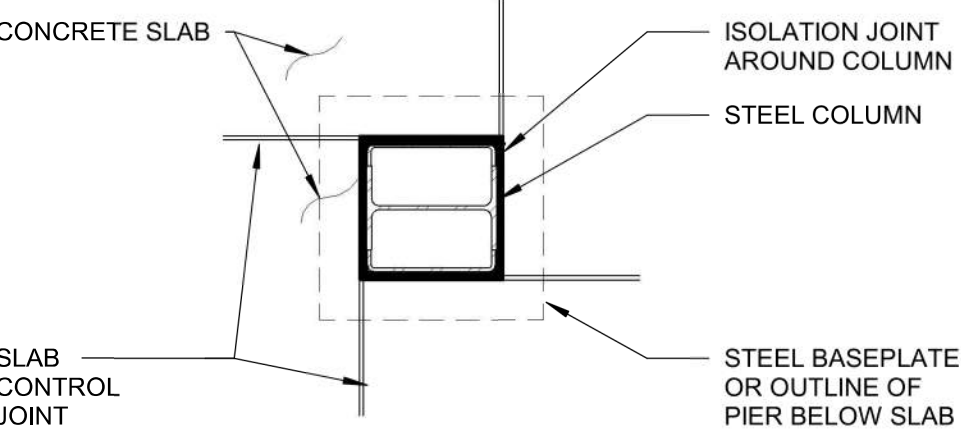
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TYPICAL SLAB JOINTS

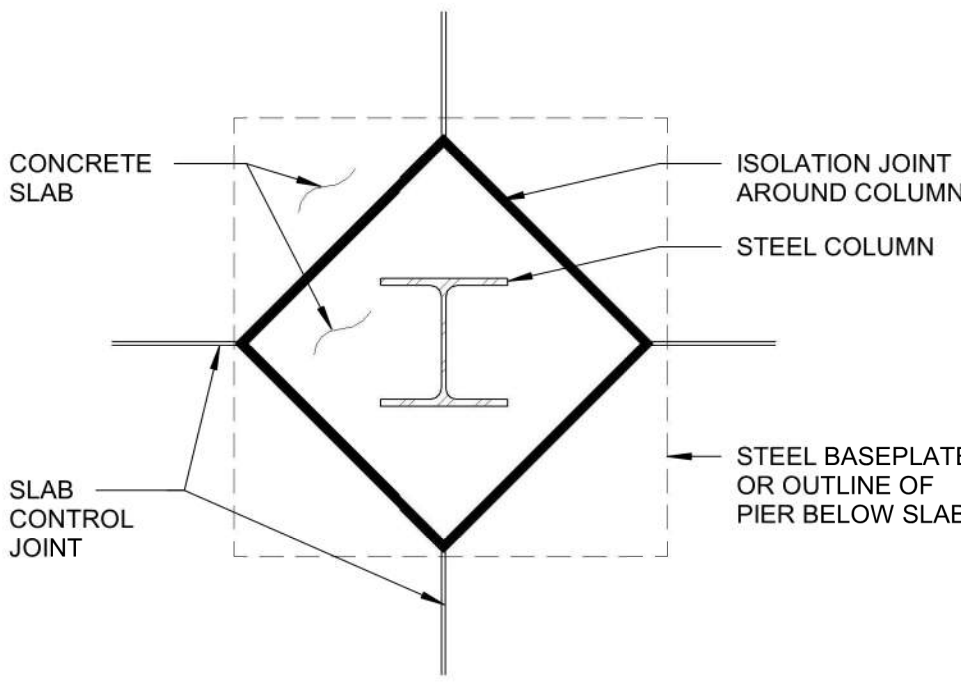
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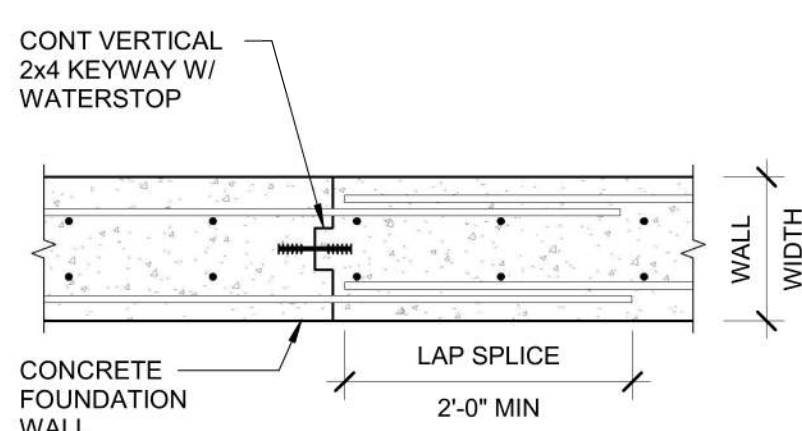
TYPICAL ROUND COLUMN JOINTS



TYPICAL SQUARE COLUMN JOINTS

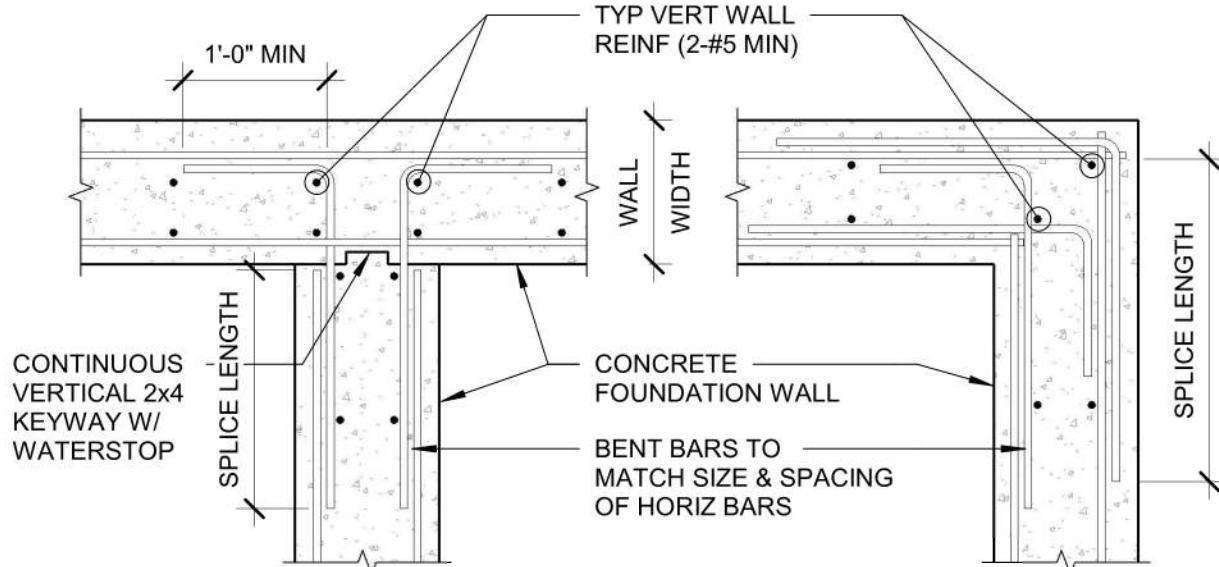


TYPICAL DIAMOND COLUMN JOINTS



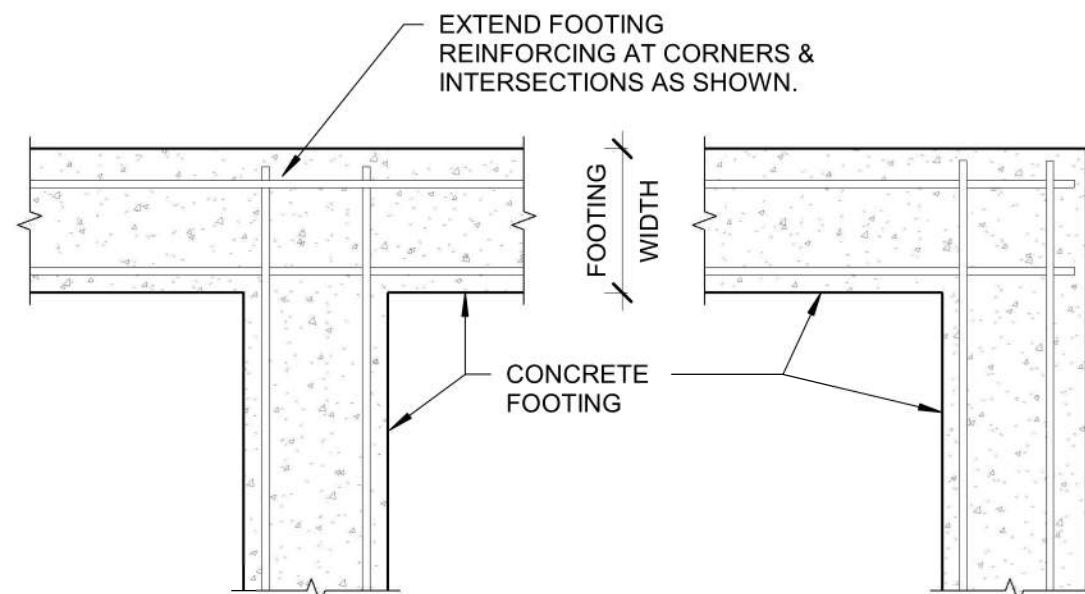
TYPICAL WALL CONSTRUCTION JOINT

SCALE: NTS



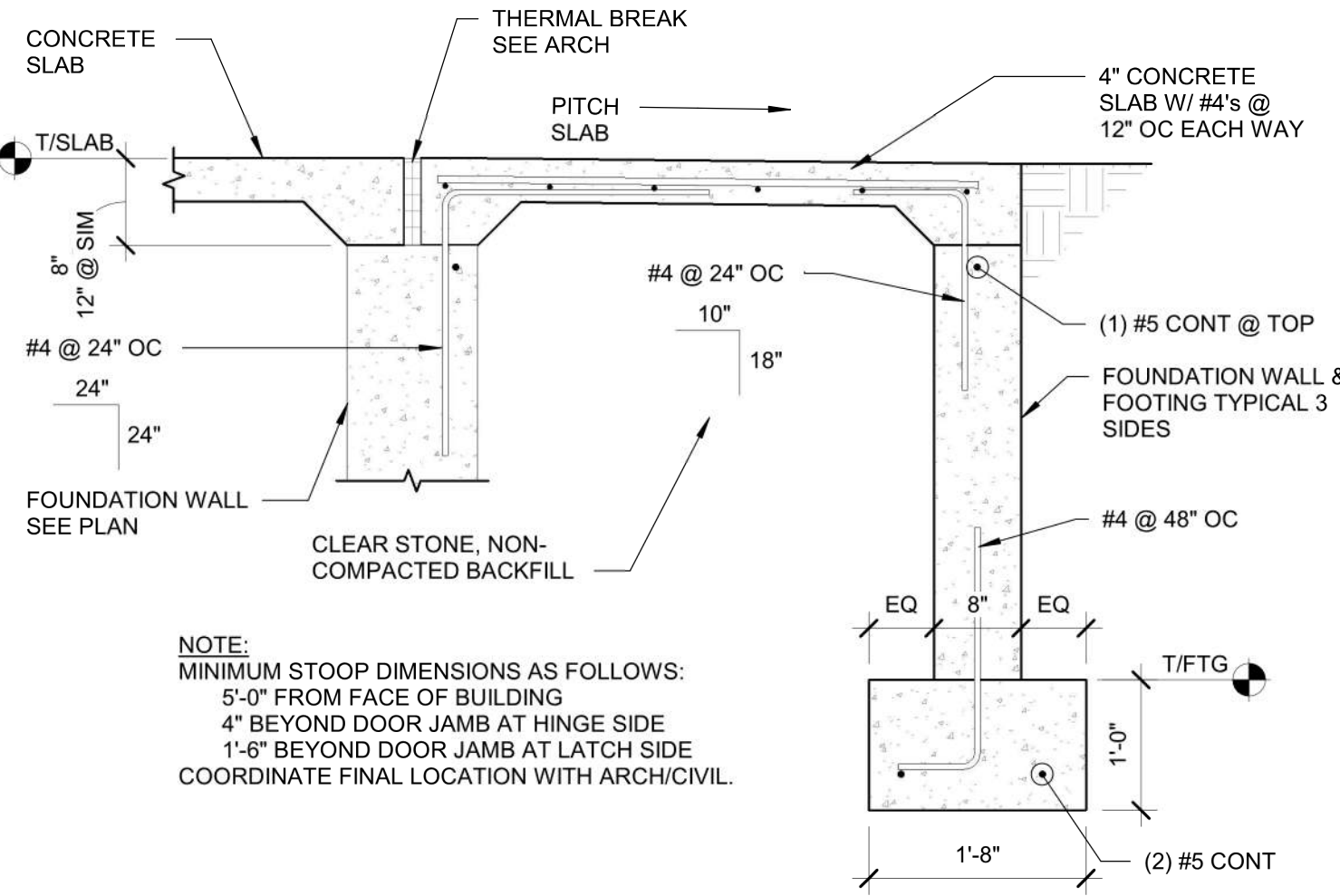
TYPICAL WALL REINFORCING

SCALE: NTS



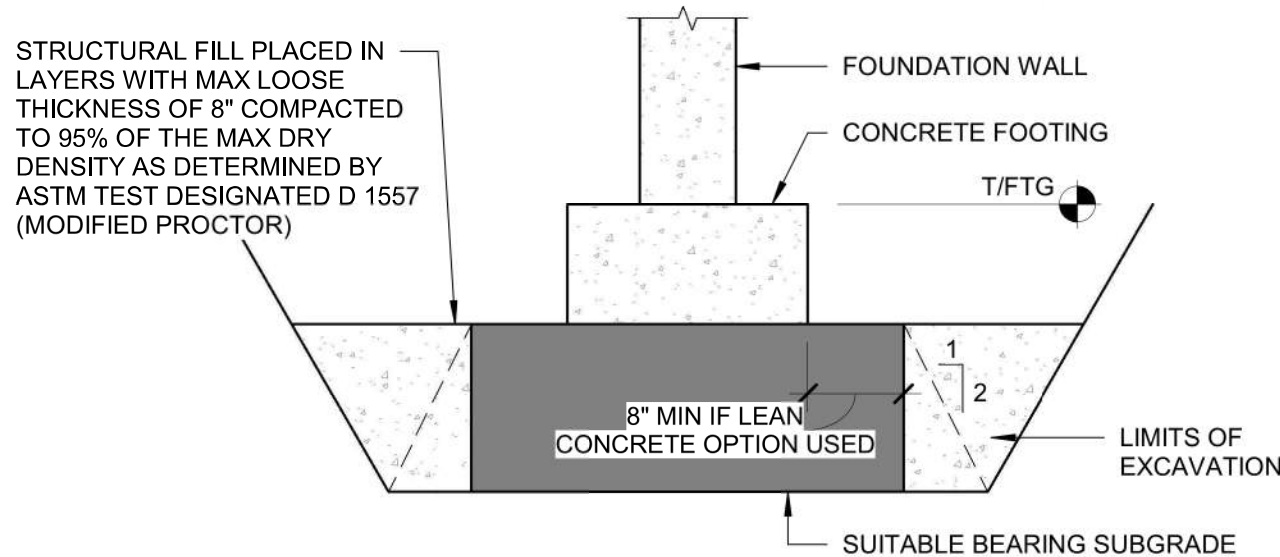
TYPICAL FOOTING REINFORCING

SCALE: NTS



TYPICAL STOOP SECTION

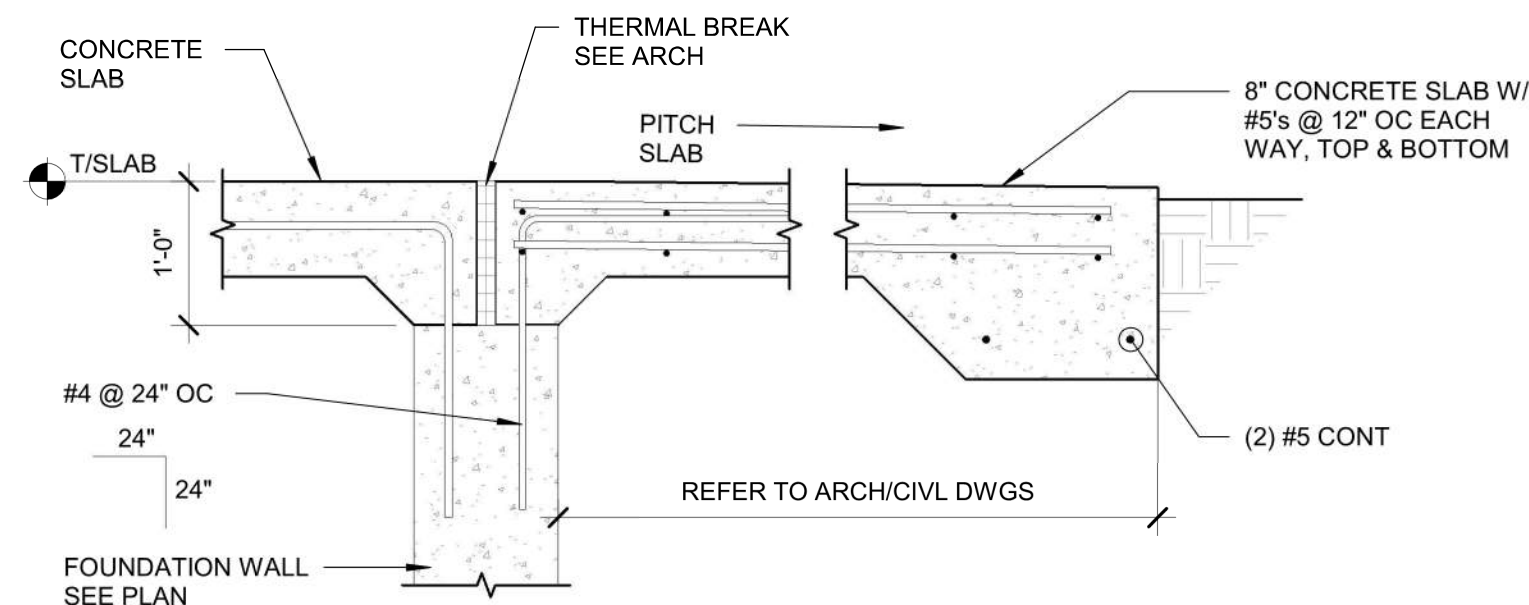
SCALE: NTS



- NOTES:
- CONTRACTOR'S OPTION: ELIMINATE STRUCTURAL FILL BY LOWERING DESIGNED FOOTING ELEVATION SO THAT FOOTING RESTS DIRECTLY ON SUITABLE BEARING SUBGRADE. PROVIDE LEAN CONCRETE (f_c = 500 PSI MIN) UNDER THE FOOTING AS SHOWN HATCHED ABOVE, OR INCREASE FOOTING THICKNESS TO REACH SUITABLE BEARING SUBGRADE.
 - THIS DETAIL APPLIES ONLY AT THOSE LOCATIONS WHERE GEOTECH ENGINEER DEEMS SOILS AT DESIGNED FOOTING ELEVATIONS ARE INADEQUATE FOR FOOTING SUPPORT. WHERE THIS WORK IS REQUIRED, CONTRACTOR WILL BE COMPENSATED ON A PRE-ESTABLISHED UNIT COST AGREED UPON BY THE CONTRACTOR, ARCHITECT/ENGINEER, AND OWNER.

TYPICAL OVER EXCAVATION DETAIL

SCALE: NTS



OVERHEAD DOOR APRON SLAB

SCALE: NTS

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forest
preserves
of winnebago county

New Building

for

Forest Preserves of
Winnebago County

Meridian Rd.,
Winnebago County, Illinois

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Scale

As indicated

Sheet Title

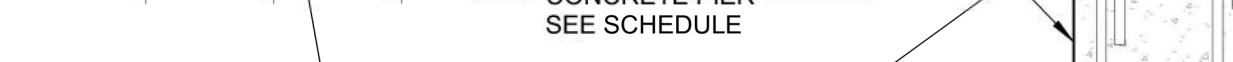
CONCRETE SECTIONS &
DETAILS

Ref. North Sheet No.

S300

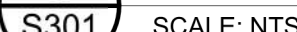
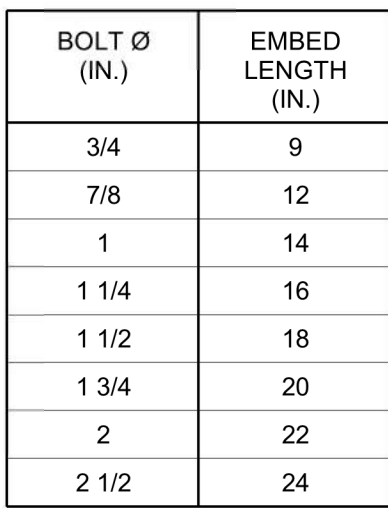
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184-003342





1. APPLIES TO 24" (MAX) OPENINGS THROUGH FOUNDATION WALL.
2. TOP OF OPENING TO BE 24" (MIN) FROM TOP OF WALL.
3. REINFORCING LAYERS TO MATCH FOUNDATION WALL.
4. USE 90° STANDARD HOOK AT CORNERS AND ENDS OF WALL.

3
S301



for

Meridian Rd.,
Winnebago County, Illinois

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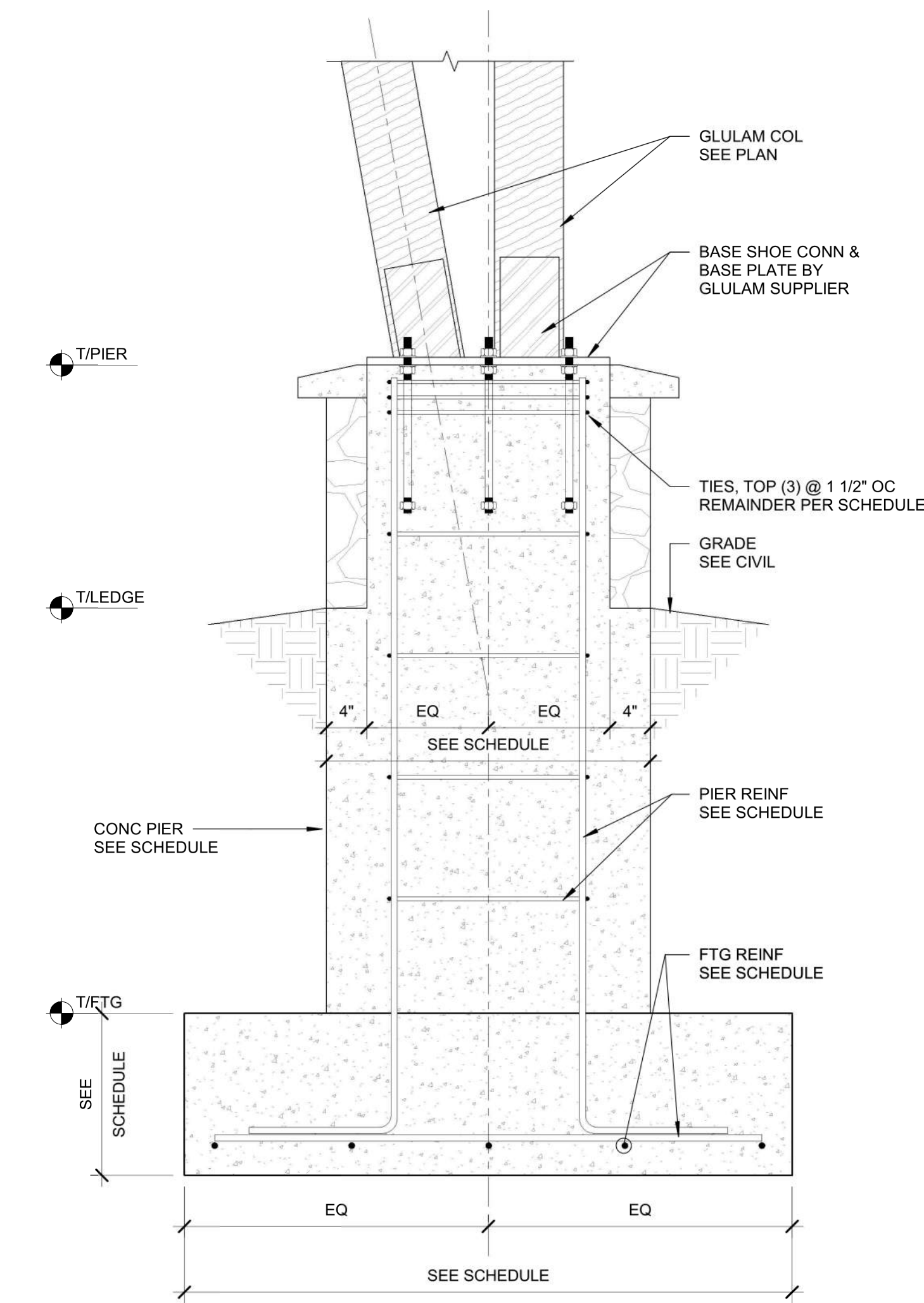
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CONCRETE SECTIONS & DETAILS

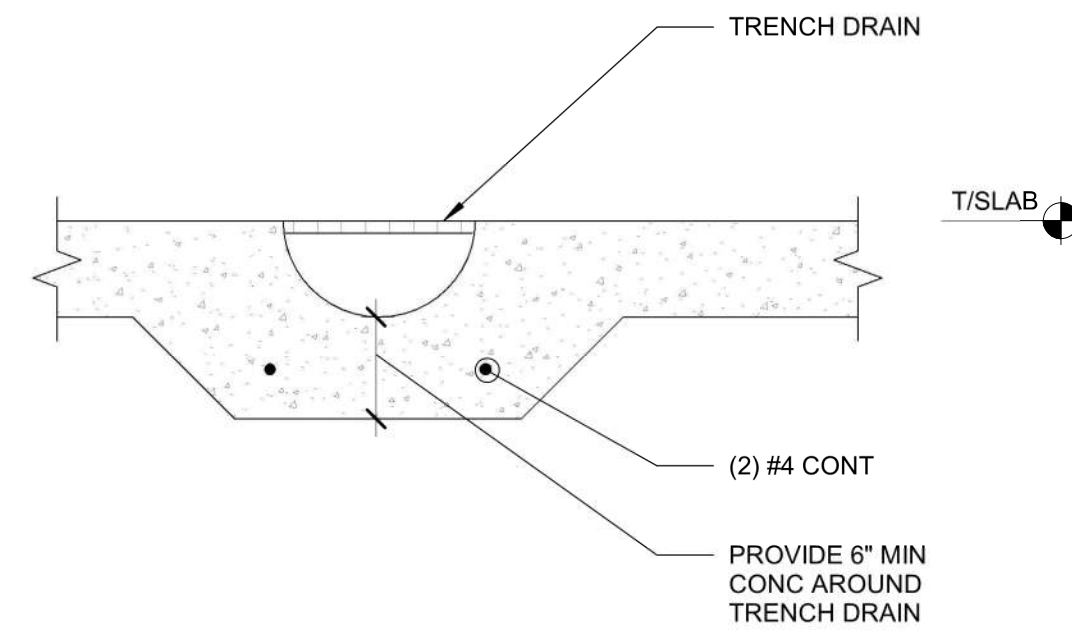
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S301

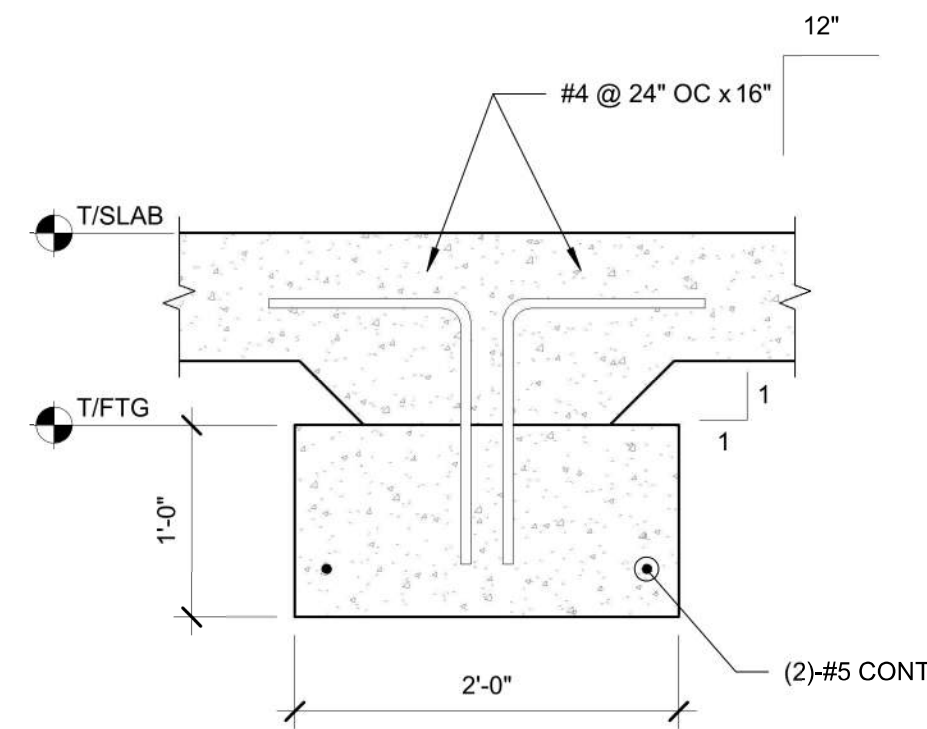
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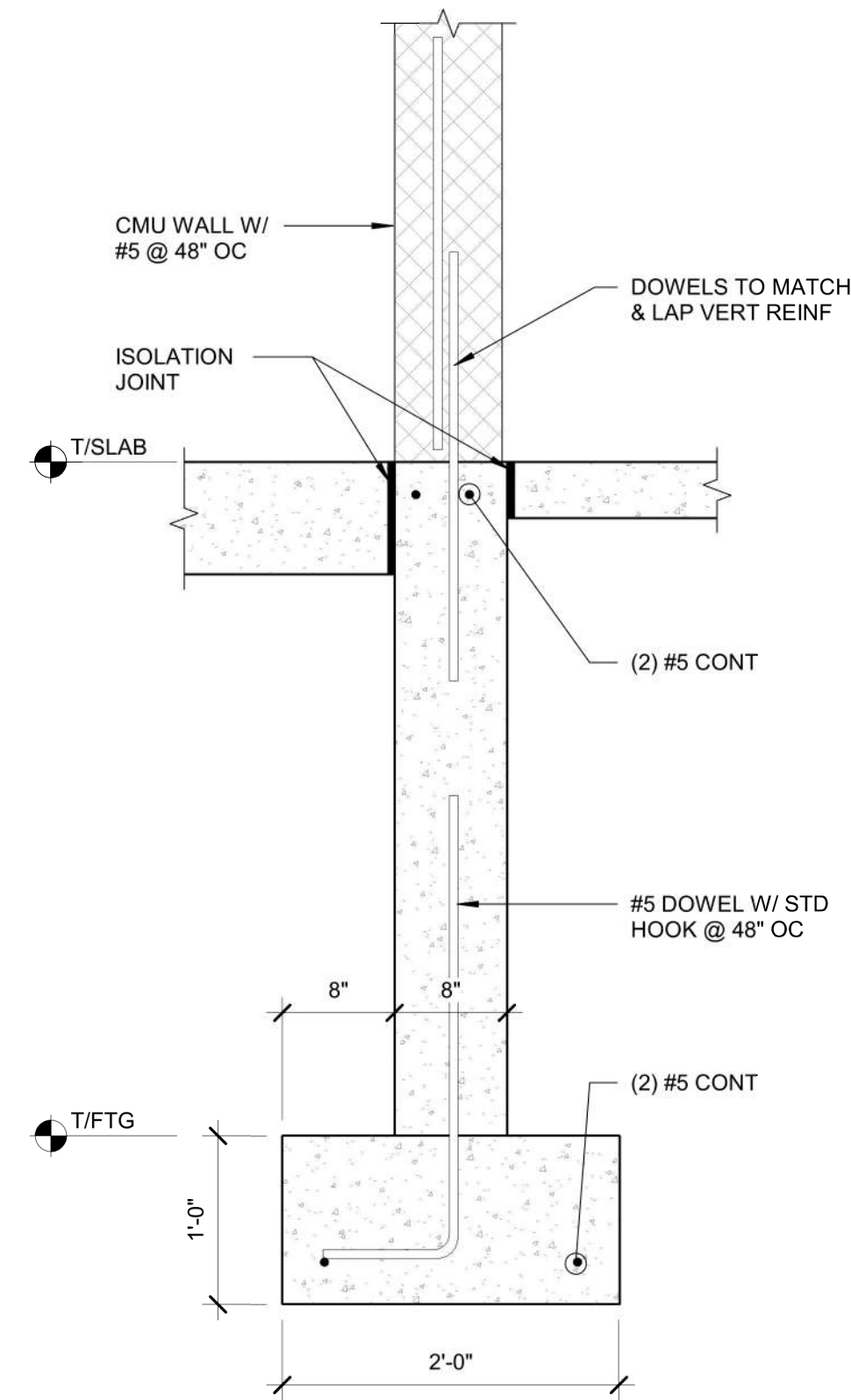
1
S302
CONC PIER DETAIL
SCALE: NTS



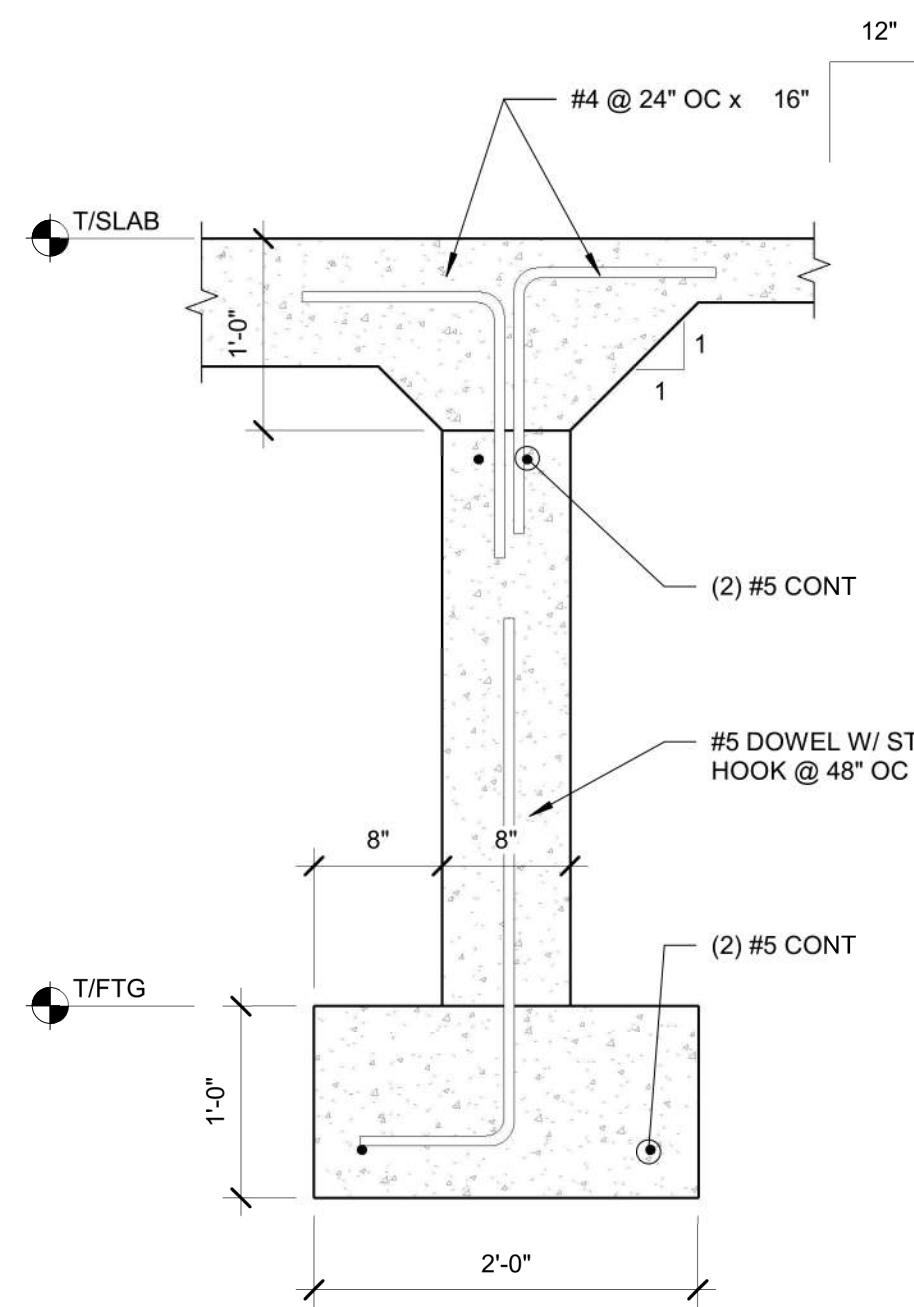
2
S302
SECTION
SCALE: NTS



3
S302
SECTION
SCALE: NTS



4
S302
SECTION
SCALE: NTS



5
S302
SECTION
SCALE: NTS

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Sheet Title

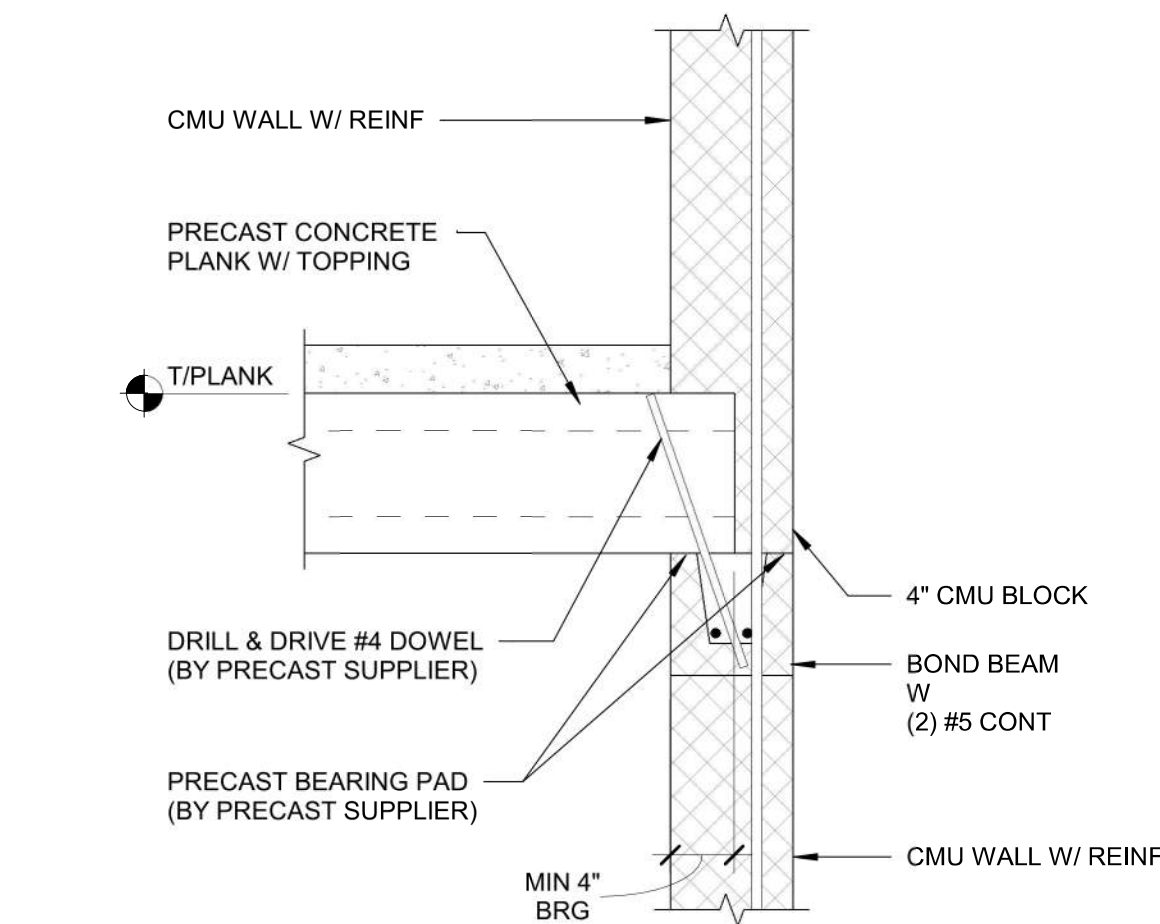
CONCRETE SECTIONS &
DETAILS

Ref. North Sheet No.

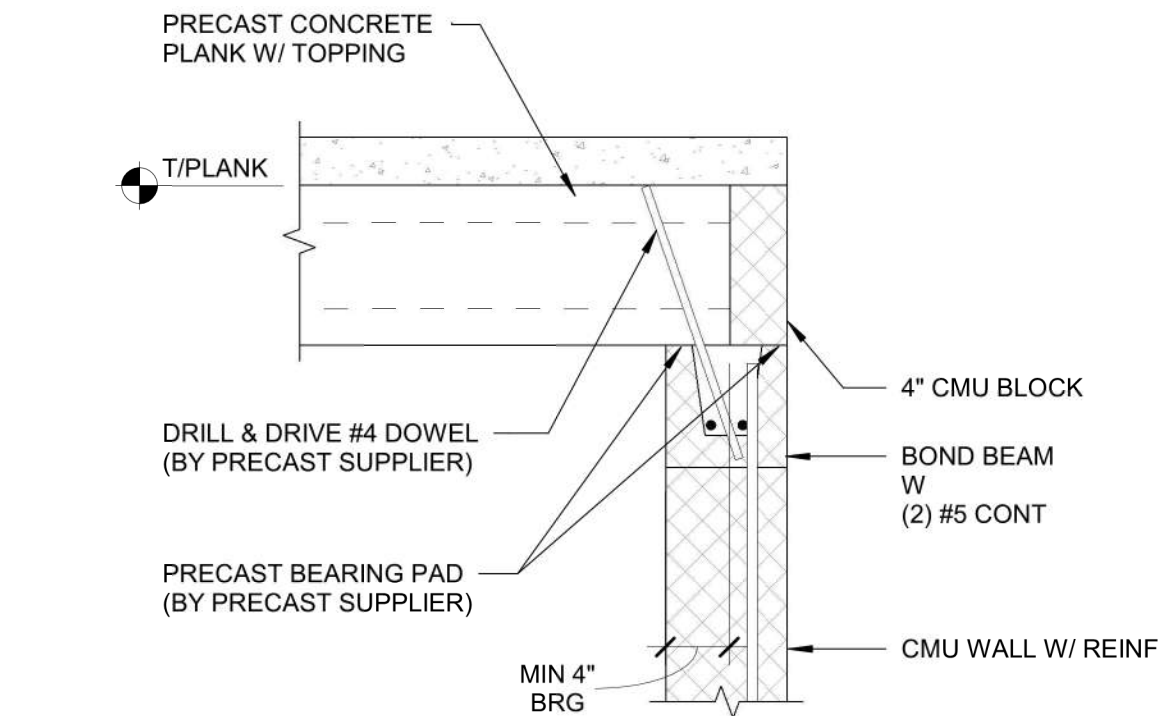
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PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

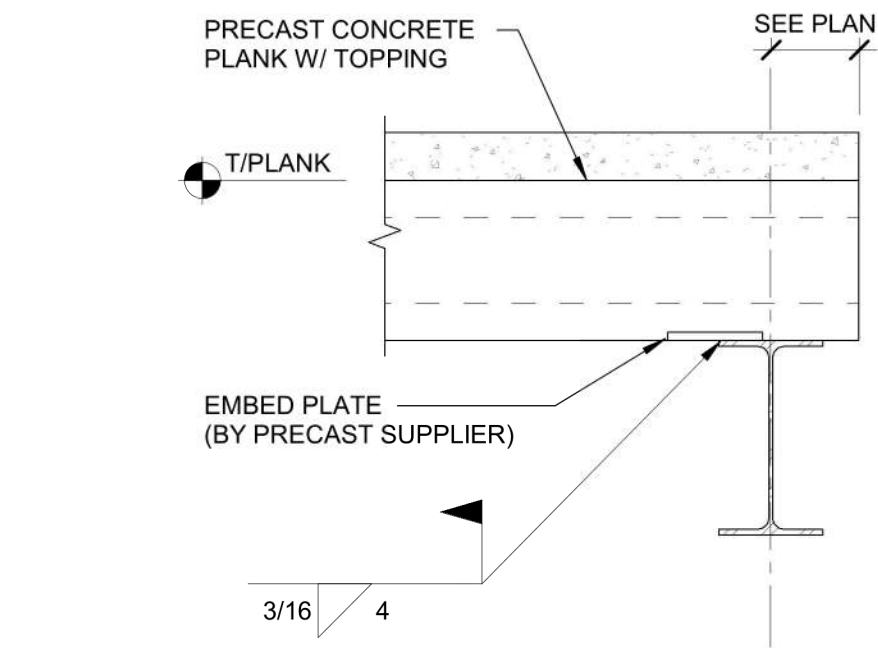




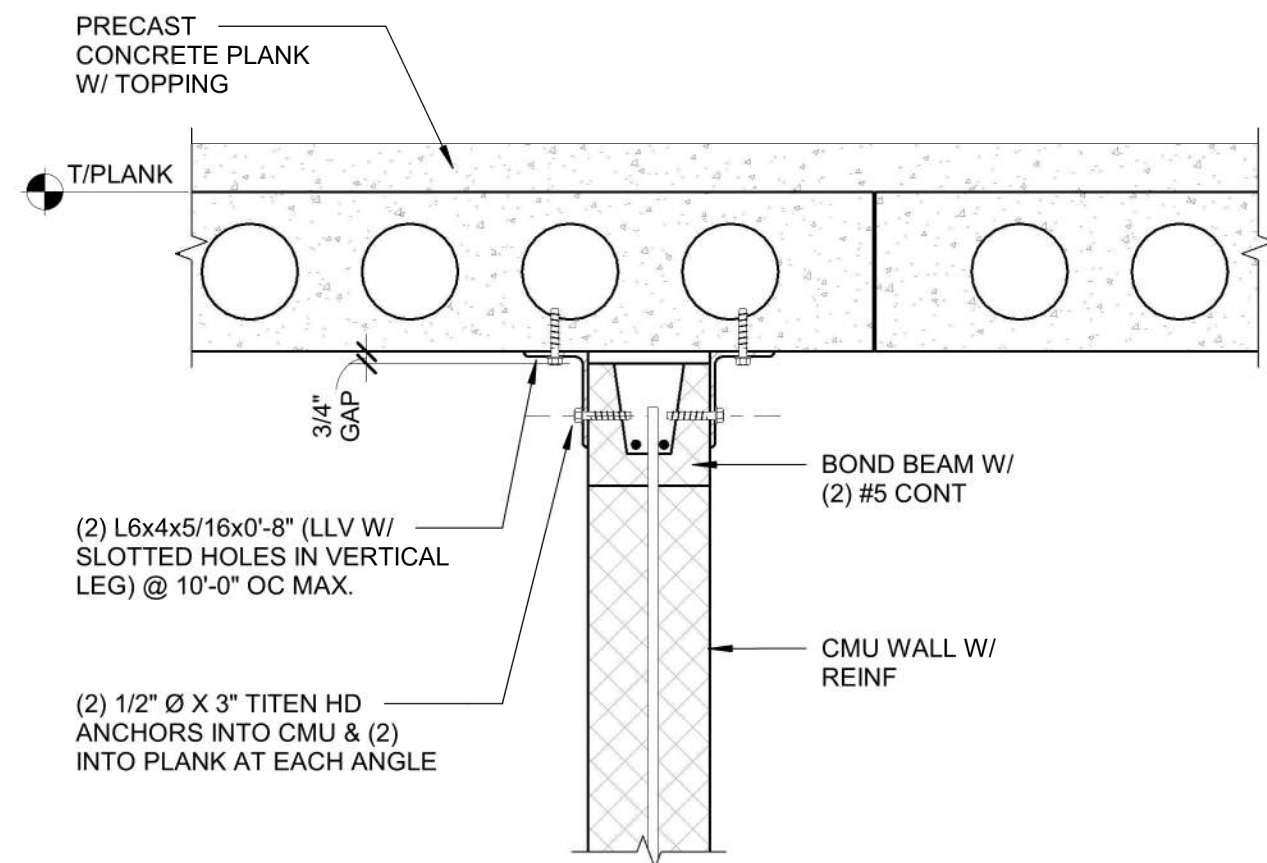
1
S340
SCALE: NTS



2
S340
SCALE: NTS



3
S340
SCALE: NTS



4
S340
SCALE: NTS

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Meridian Rd.,
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Scale

1" = 1'-0"

Sheet Title

PRECAST SECTIONS &
DETAILS

Ref. North Sheet No.

S340

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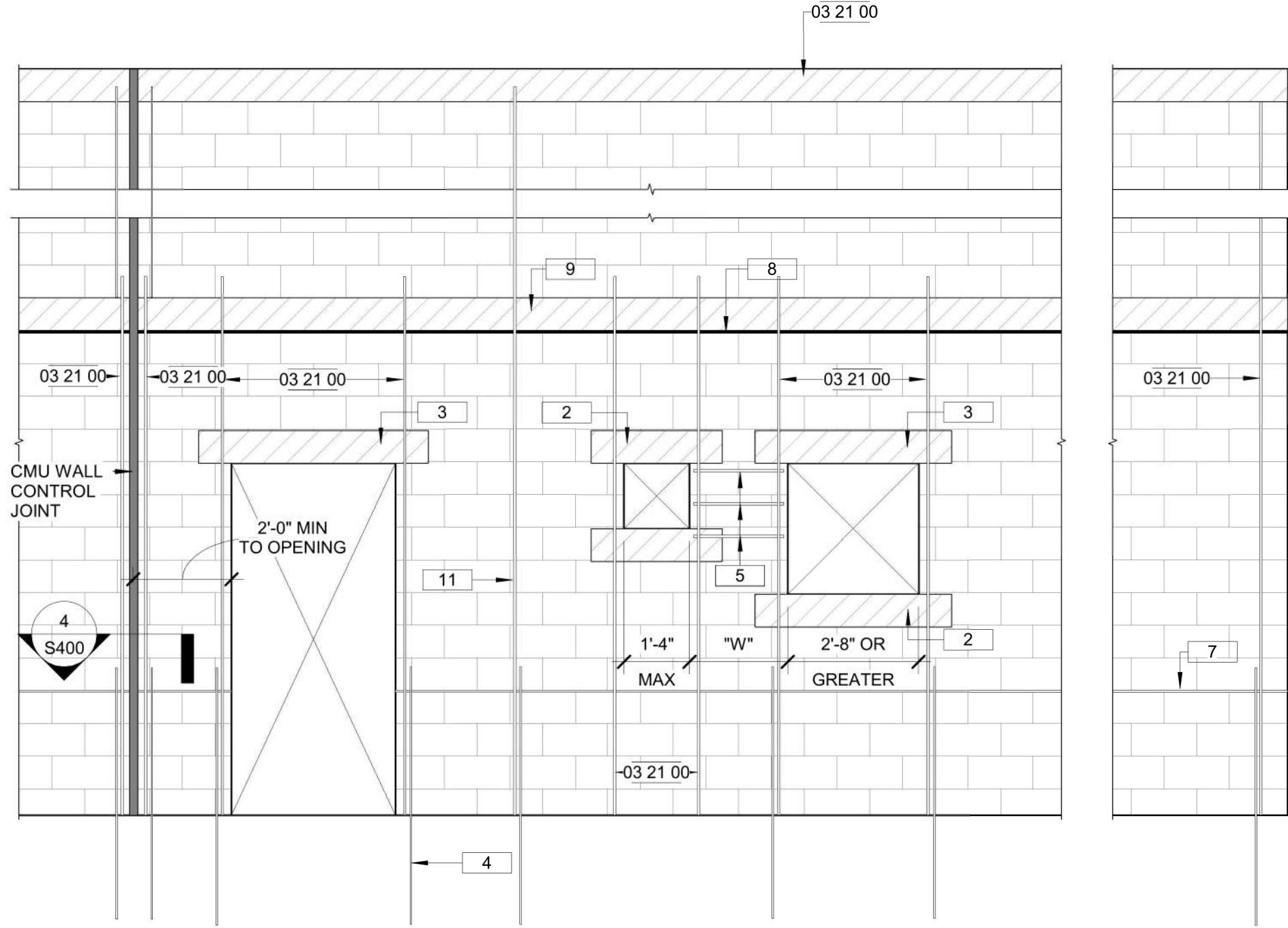
BAR SIZE	8" & 10" BLOCK CLEAR COVER ≥ 1 3/4"	12" BLOCK CLEAR COVER ≥ 2"	CENTERED IN 8" BLOCK	CENTERED IN 10" BLOCK	CENTERED IN 12" BLOCK
#3	15"	13"	12"	12"	12"
#4	25"	22"	13"	12"	12"
#5	39"	35"	20"	16"	13"
#6	MECH SP	MECH SP	MECH SP	29"	24"
#7	MECH SP	MECH SP	MECH SP	40"	33"
#8	MECH SP	MECH SP	MECH SP	MECH SP	MECH SP
#9	NA	MECH SP	NA	MECH SP	MECH SP
#10	NA	MECH SP	NA	MECH SP	MECH SP
#11	NA	MECH SP	NA	NA	MECH SP

NOTES:
1. MASONRY BAR LAP LENGTHS (Ld) F'm = 2,000 PSI
2. TENSION LAP SPLICE LENGTHS ARE CALCULATED PER ACI 540-13. LENGTHS ARE IN INCHES.

TYPICAL MASONRY REINFORCING LAP LENGTHS

1
S400

SCALE: NTS



TYP CMU WALL REINFORCEMENT

2
S400

SCALE: NTS

NOTES:

- JAMB REINFORCEMENT PER LINTEL SCHEDULE OR LINTEL DETAILS. MIN (1) #5 EA JAMB.
- 8" BOND BEAM W/ (1) #5 CONT.
- LINTEL, SEE SCHEDULE
- DOWELS TO MATCH & LAP VERTICAL REINFORCEMENT.
- WHEN "W" IS LESS THAN 2'-0" AT 8" CMU WALL AND 3'-0" AT 12" CMU WALL, ADD 1/4" CLOSED TIE SETS AT 8" OC. REINFORCE VERT CELLS AT END OF WALL AND ADJACENT TO CONTROL JOINTS.
- HORIZ JOINT REINFORCEMENT. SEE GENERAL NOTES.
- ROOF OR FLOOR LINE BEYOND.
- 8" BOND BEAM W/ (2) #4 CONT AT ROOF OR FLOOR LINE, UNO.
- 8" BOND BEAM W/ (2) #4 CONT AT TOP OF WALL, UNO.
- #5 @ 48" OC TYPICAL WALL REINFORCING, UNO.

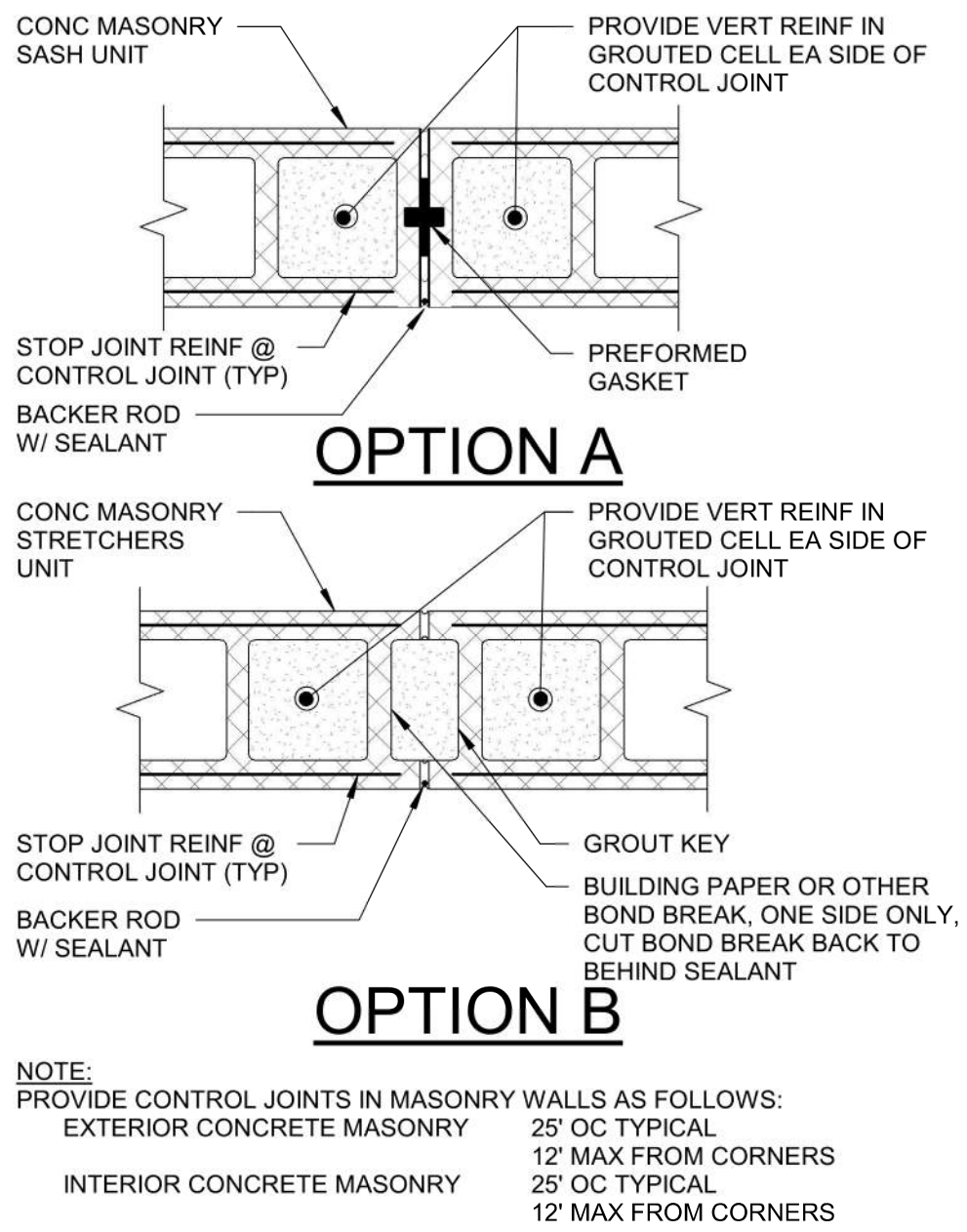
1 LAYER OF REINFORCING

2 LAYERS OF REINFORCING

TYPICAL REINFORCED CMU WALL CONSTRUCTION DETAIL

3
S400

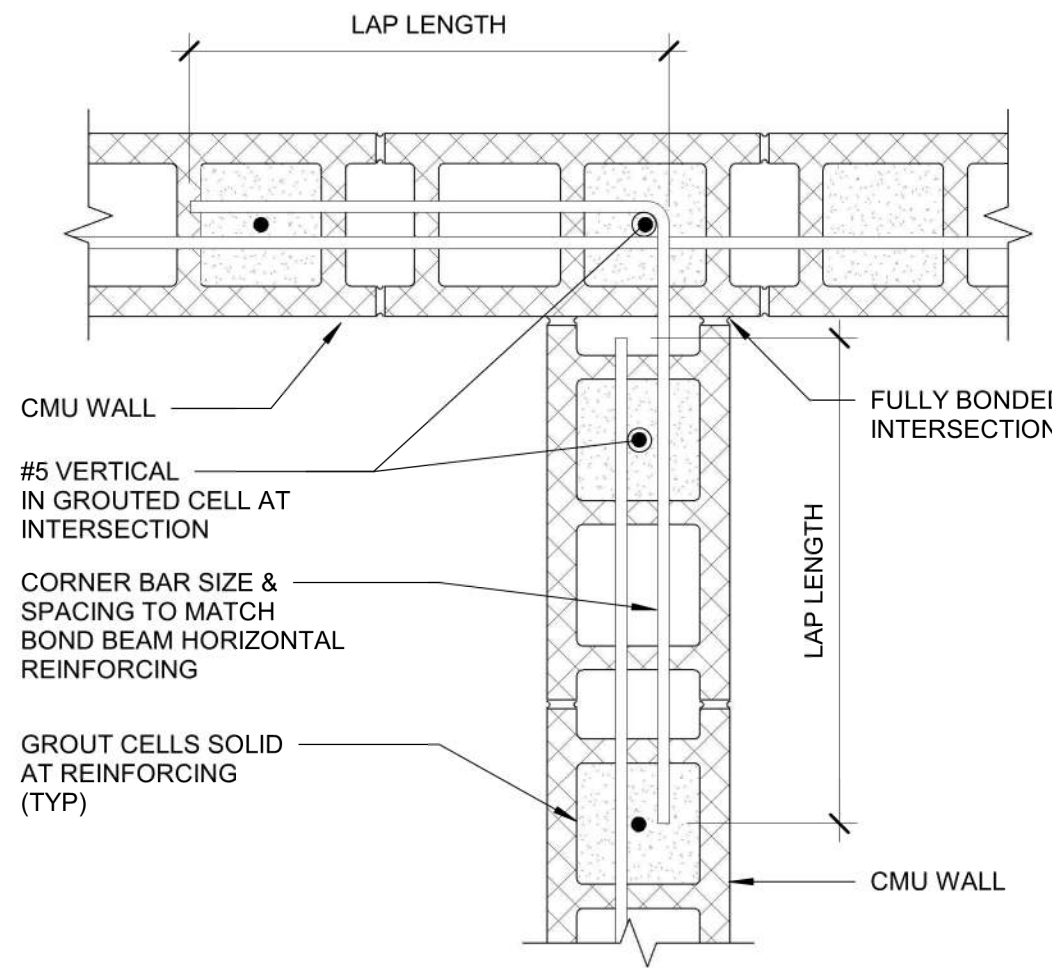
SCALE: NTS



CMU CONTROL JOINT

4
S400

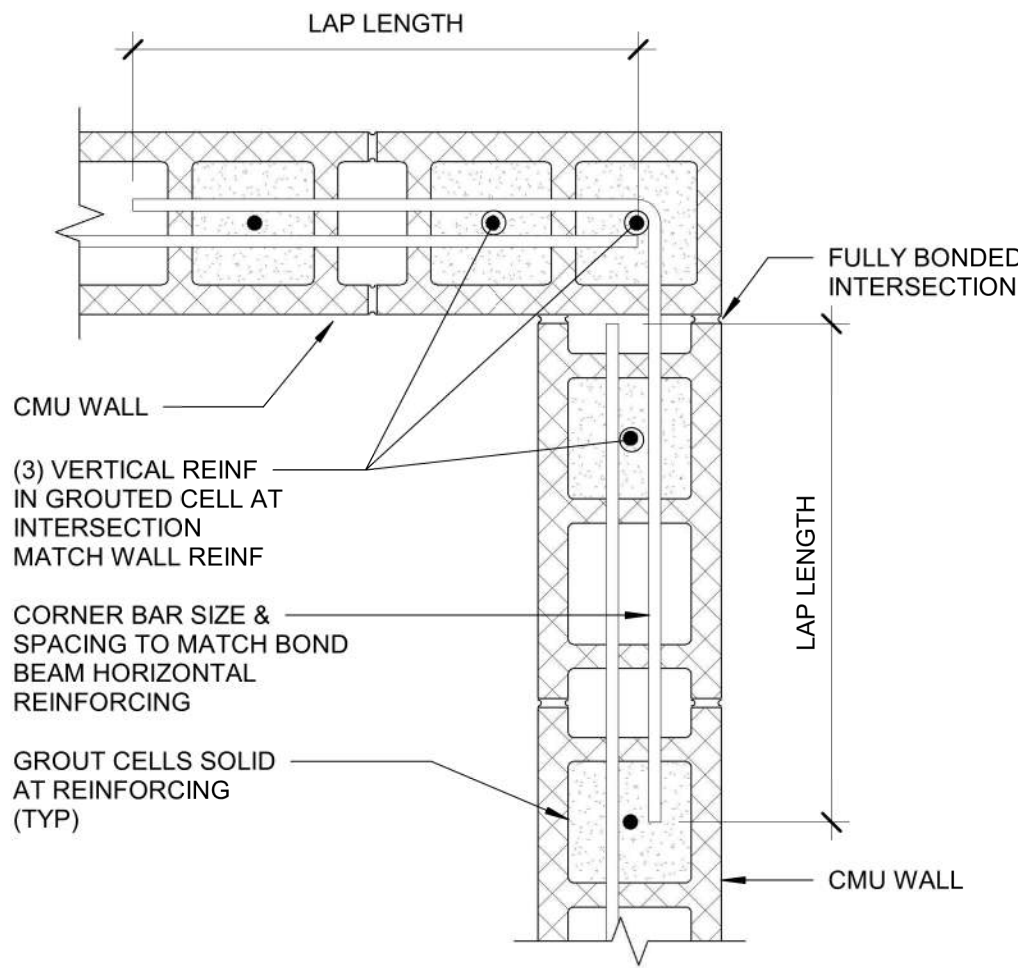
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CMU WALL INTERSECTION

5
S400

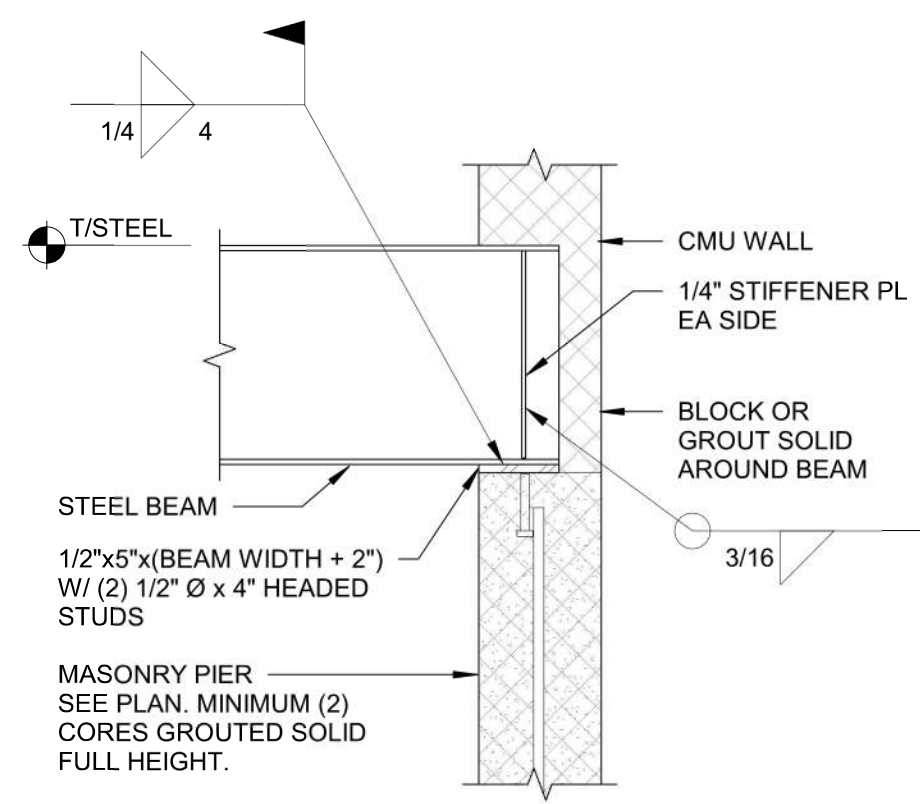
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CMU WALL CORNER

6
S400

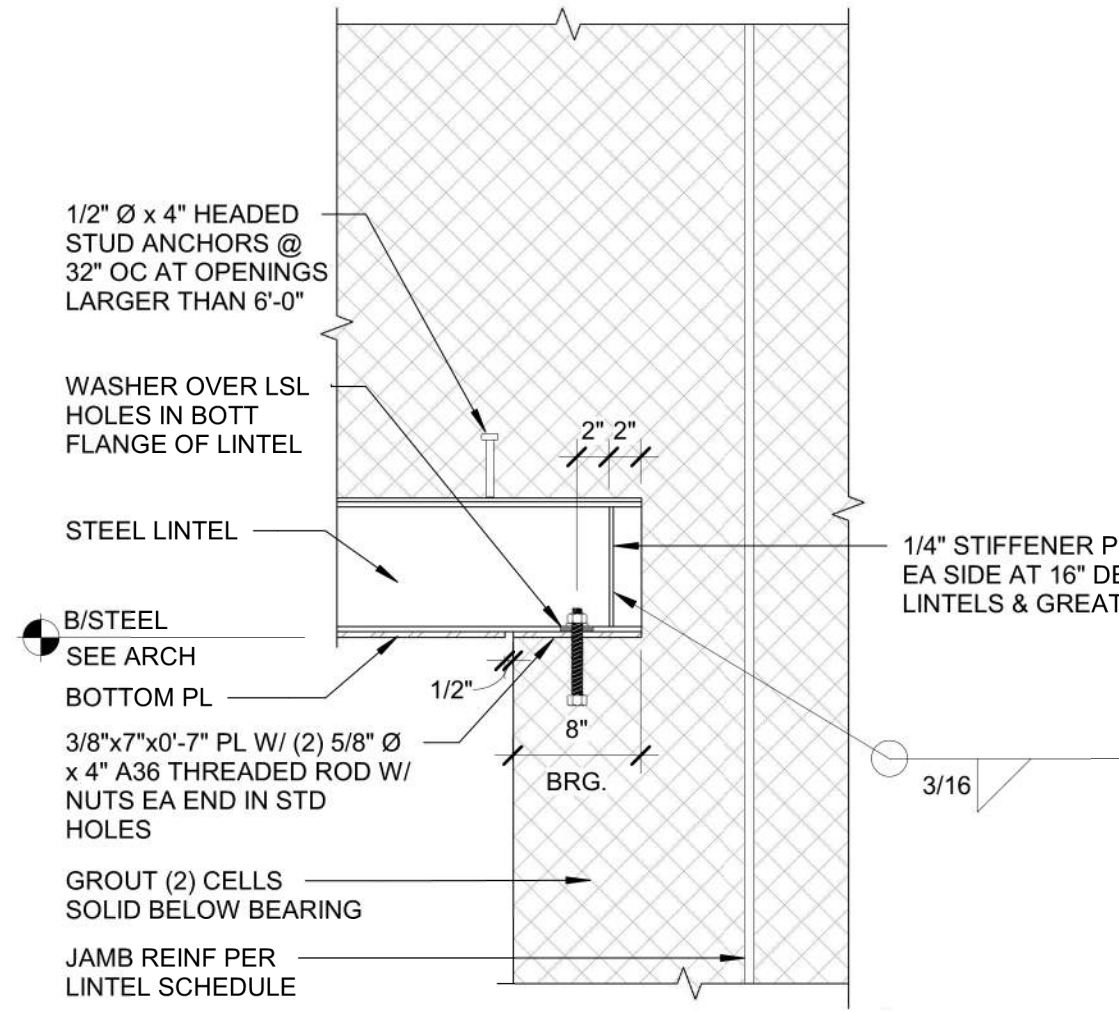
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STEEL BEAM BEARING DETAIL

8
S400

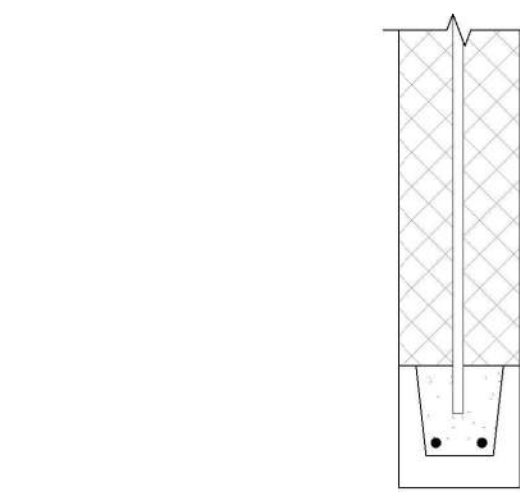
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STEEL LINTEL BEARING DETAIL

9
S400

SCALE: NTS



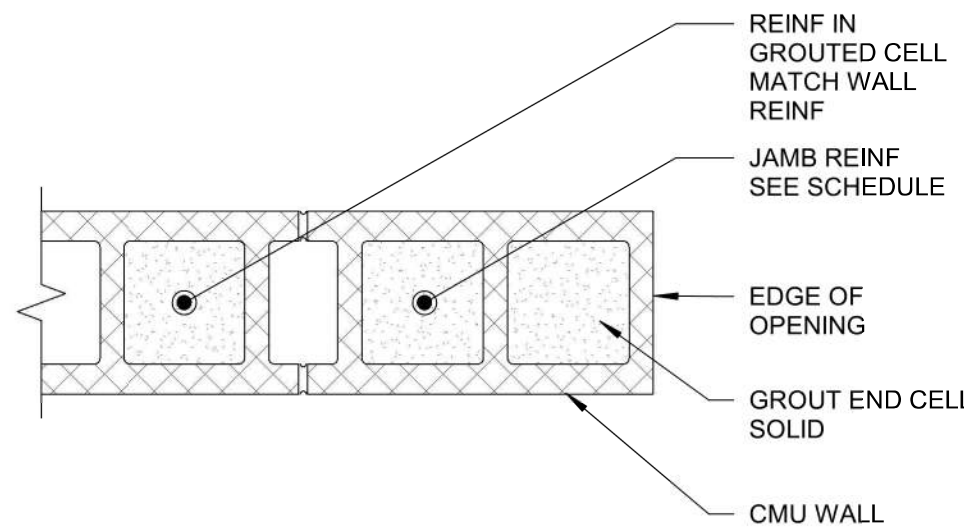
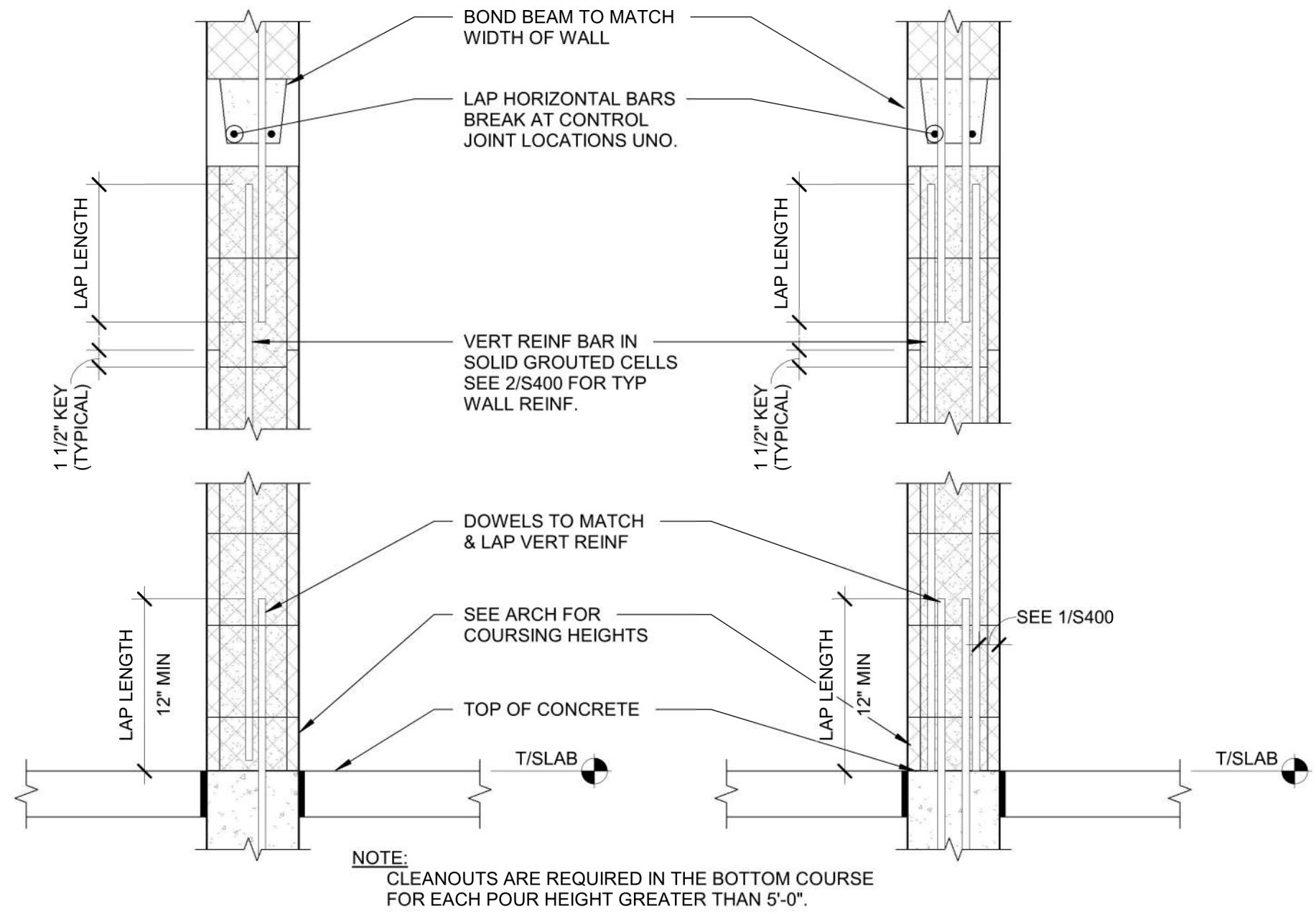
NOTE:
IN NON-LOAD BEARING WALLS PROVIDE AND INSTALL ON LINTEL FOR EACH 4" OF WALL THICKNESS ACCORDING TO THE FOLLOWING:

OPENING WIDTH	BEARING @ EA END	CMU LINTEL
3'-0"	8"	8" W/ (1) #4
4'-0"	8"	8" W/ (1) #4
5'-0"	8"	8" W/ (2) #4
6'-0"	8"	8" W/ (2) #4
7'-0"	8"	8" W/ (2) #4
8'-0"	8"	8" W/ (2) #4

NON-LOAD BEARING LINTEL

10
S400

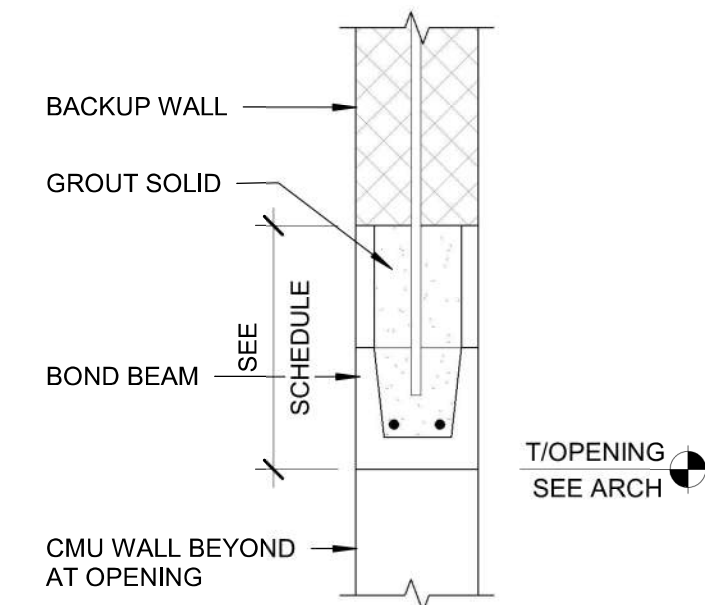
SCALE: NTS



CMU WALL END

7
S400

SCALE: NTS



LINTEL TYPE A

A
S400

SCALE: NTS

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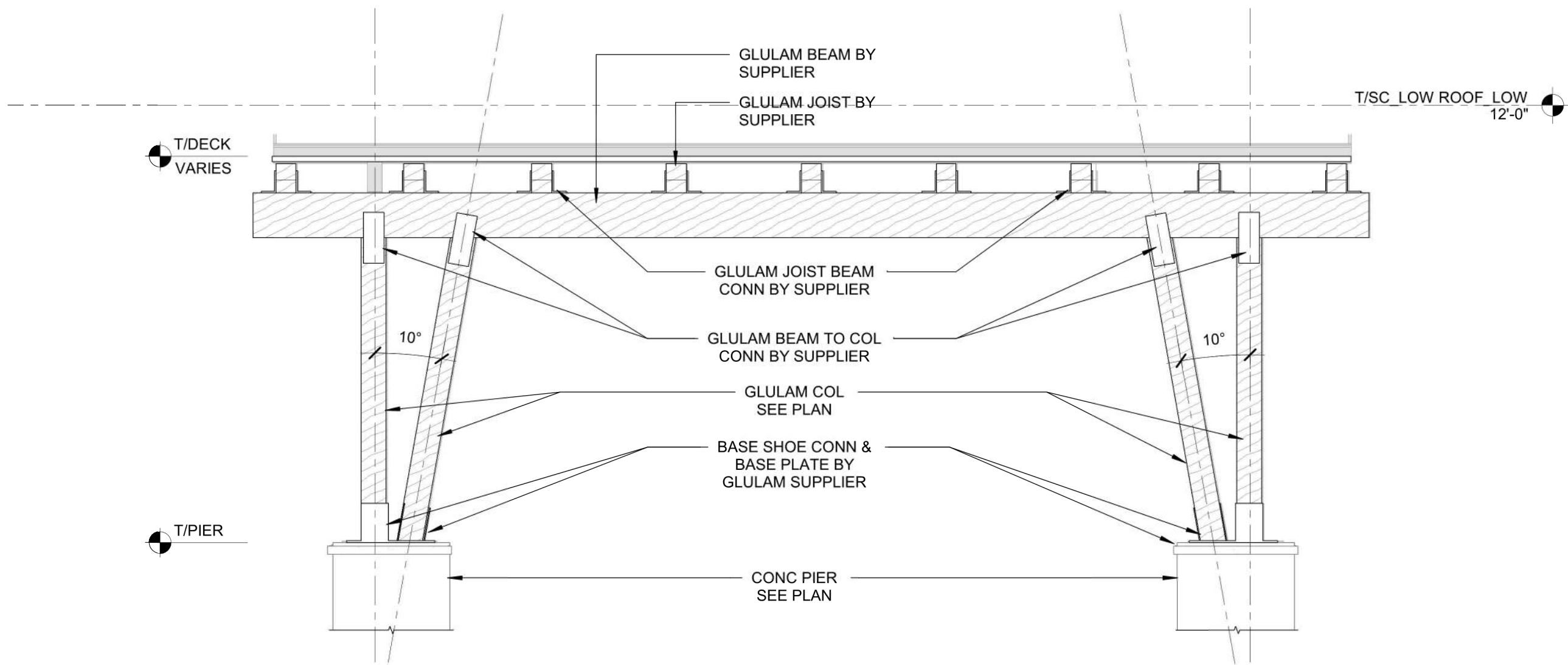
MASONRY SECTIONS & DETAILS

Ref. North Sheet No.

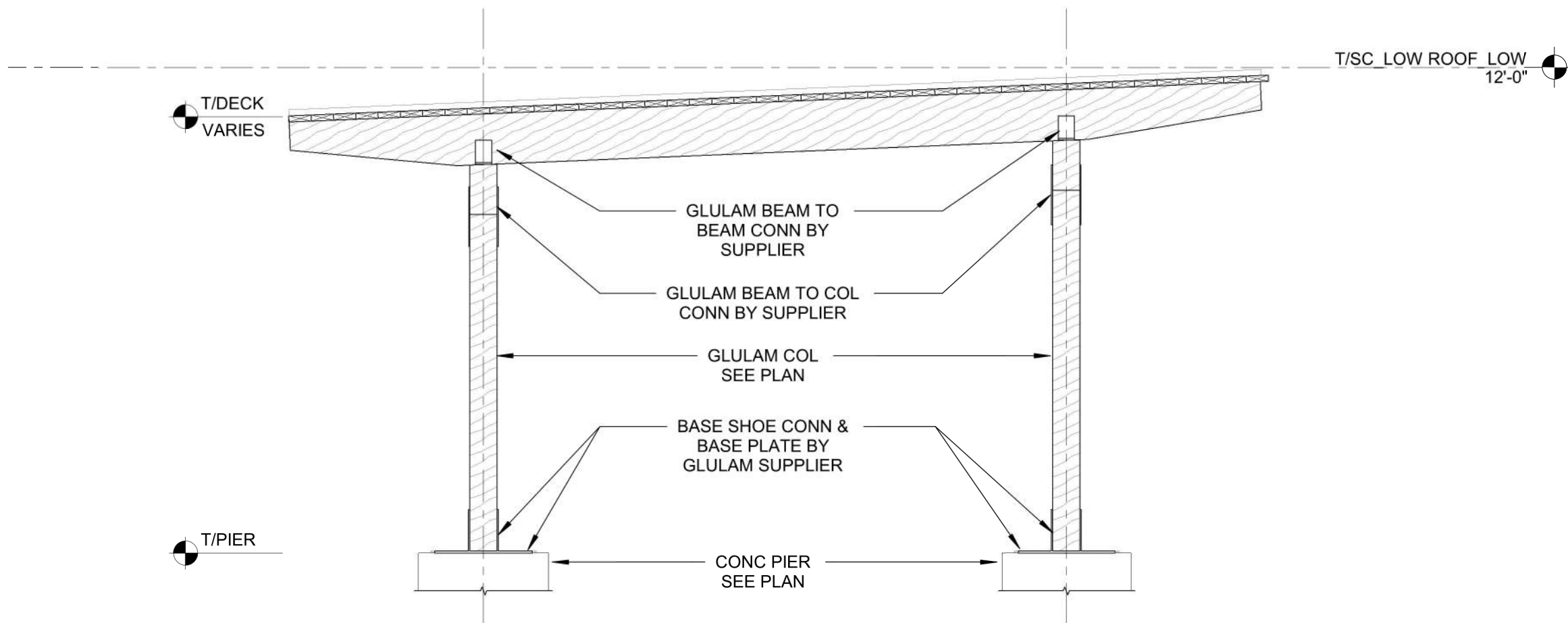
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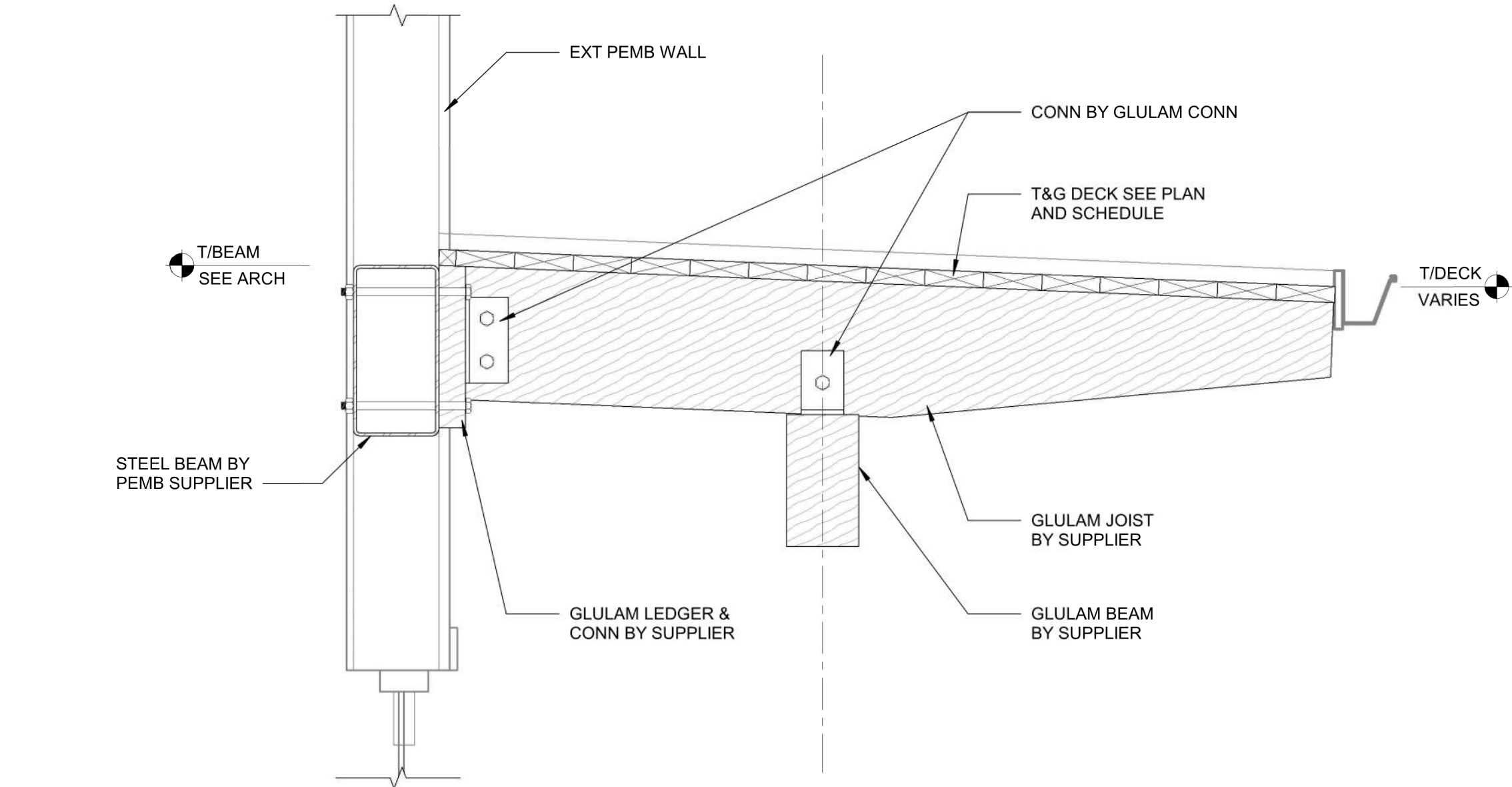




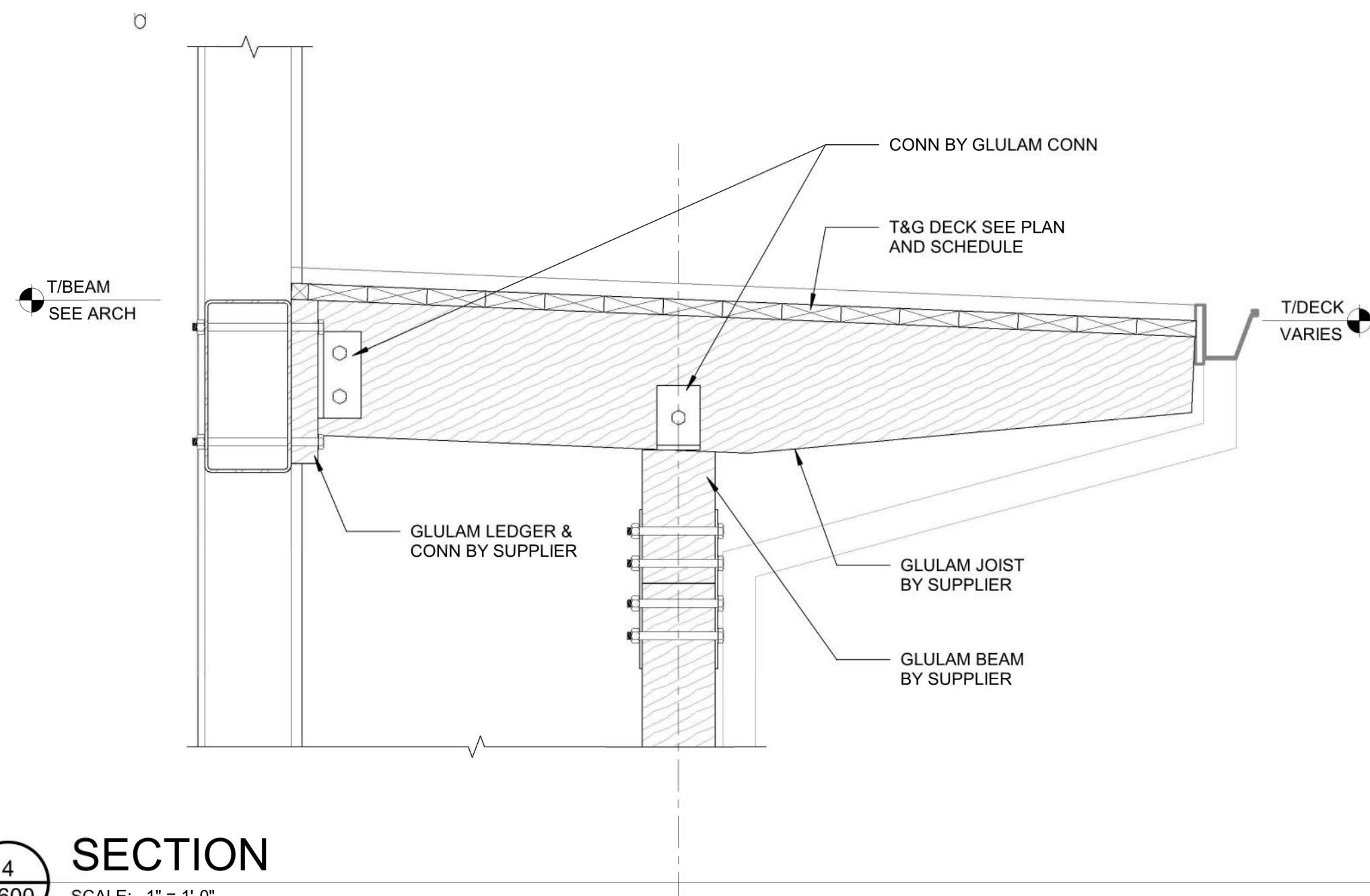
1
S600
ELEVATION VIEW
SCALE: 3/8" = 1'-0"



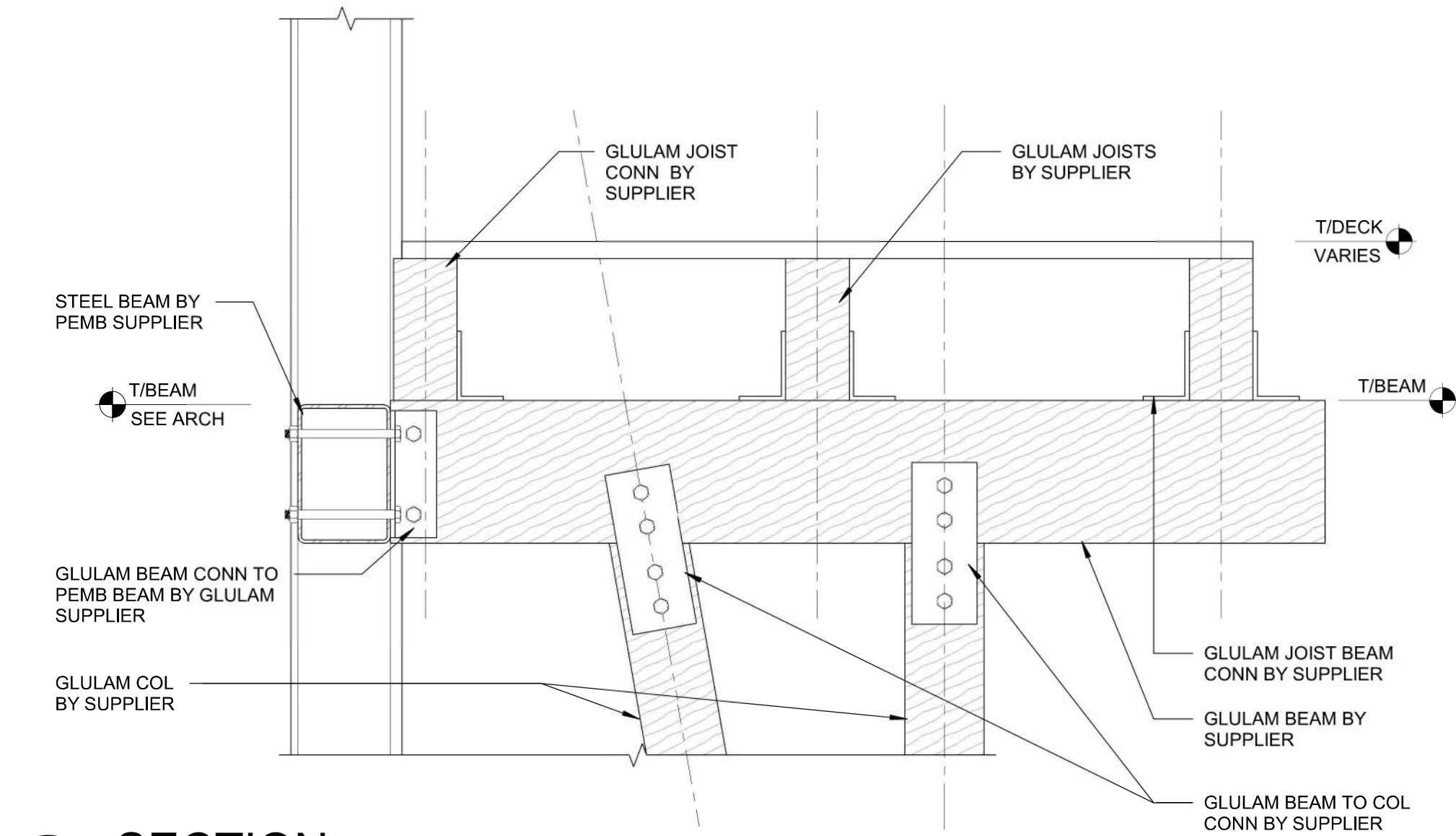
2
S600
ELEVATION VIEW
SCALE: 3/8" = 1'-0"



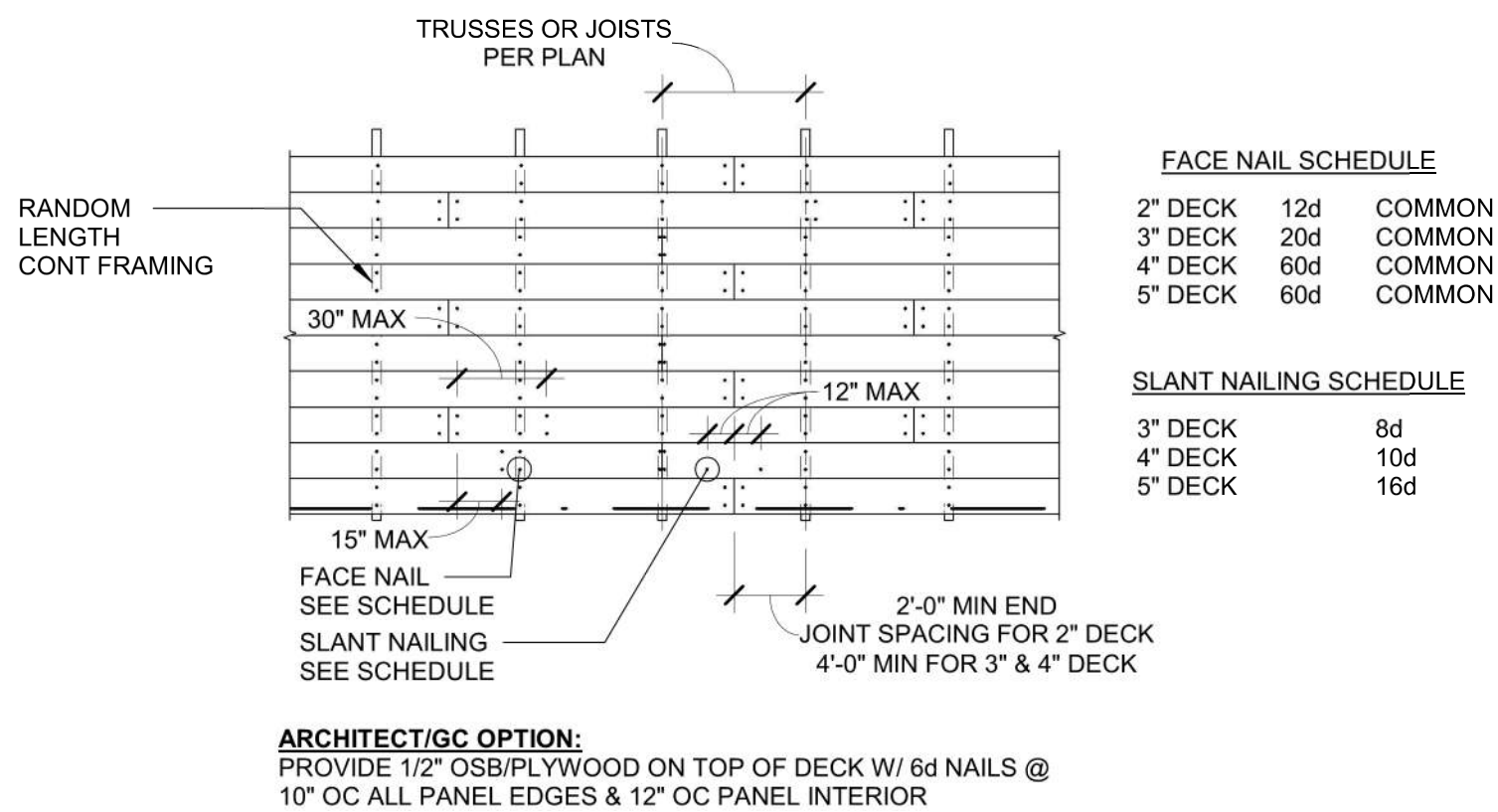
3
S600
SECTION
SCALE: 1" = 1'-0"



4
S600
SECTION
SCALE: 1" = 1'-0"



5
S600
SECTION
SCALE: 1" = 1'-0"



6
S600
WOOD DECKING FASTENING DETAIL
SCALE: NTS

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WOOD SECTIONS,
DETAILS, & ELEVATIONS

Ref. North Sheet No.

S600

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