

OUR LADY OF THE PRESENTATION NEW ENTRANCE CANOPY

DRAWING LIST

- A01 COVER, SITE PLAN, CODE INFO
- A02 FLOOR PLAN & ROOF PLAN
- A03 REFLECTED CEILING & ELECTRICAL PLAN
- A04 ELEVATIONS & SECTIONS
- A05 DETAILS
- S01 STRUCTURAL NOTES
- S02 FOOTINGS, ROOF FRAMING & DETAILS

APPLICABLE CODES:				FIRE-RESISTANCE RATING REQ.			
2018 INTERNATIONAL BUILDING CODE				(FROM TABLE 601)			
2018 INTERNATIONAL PLUMBING CODE				PRIMARY STRUCTURAL FRAME	II-B	V-B	
2018 INTERNATIONAL MECHANICAL CODE				BEARING WALLS - EXTERIOR	0	0	
2017 NATIONAL ELECTRICAL CODE				BEARING WALLS - INTERIOR	0	0	
2018 INTERNATIONAL FUEL GAS CODE				NONBEARING WALL - EXTERIOR	0 >30'	0 >30'	
2018 INTERNATIONAL FIRE CODE				NONBEARING WALL - INTERIOR	0	0	
ANSI-A117.1 2017				FLOOR CONSTRUCTION		0	0
				ROOF CONSTRUCTION		0	0

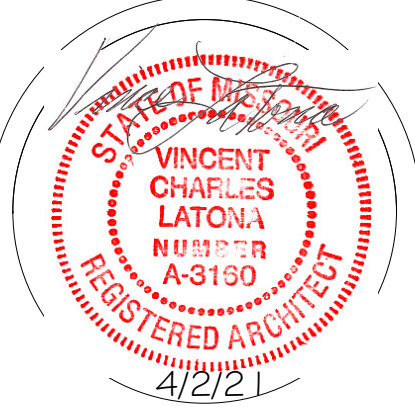
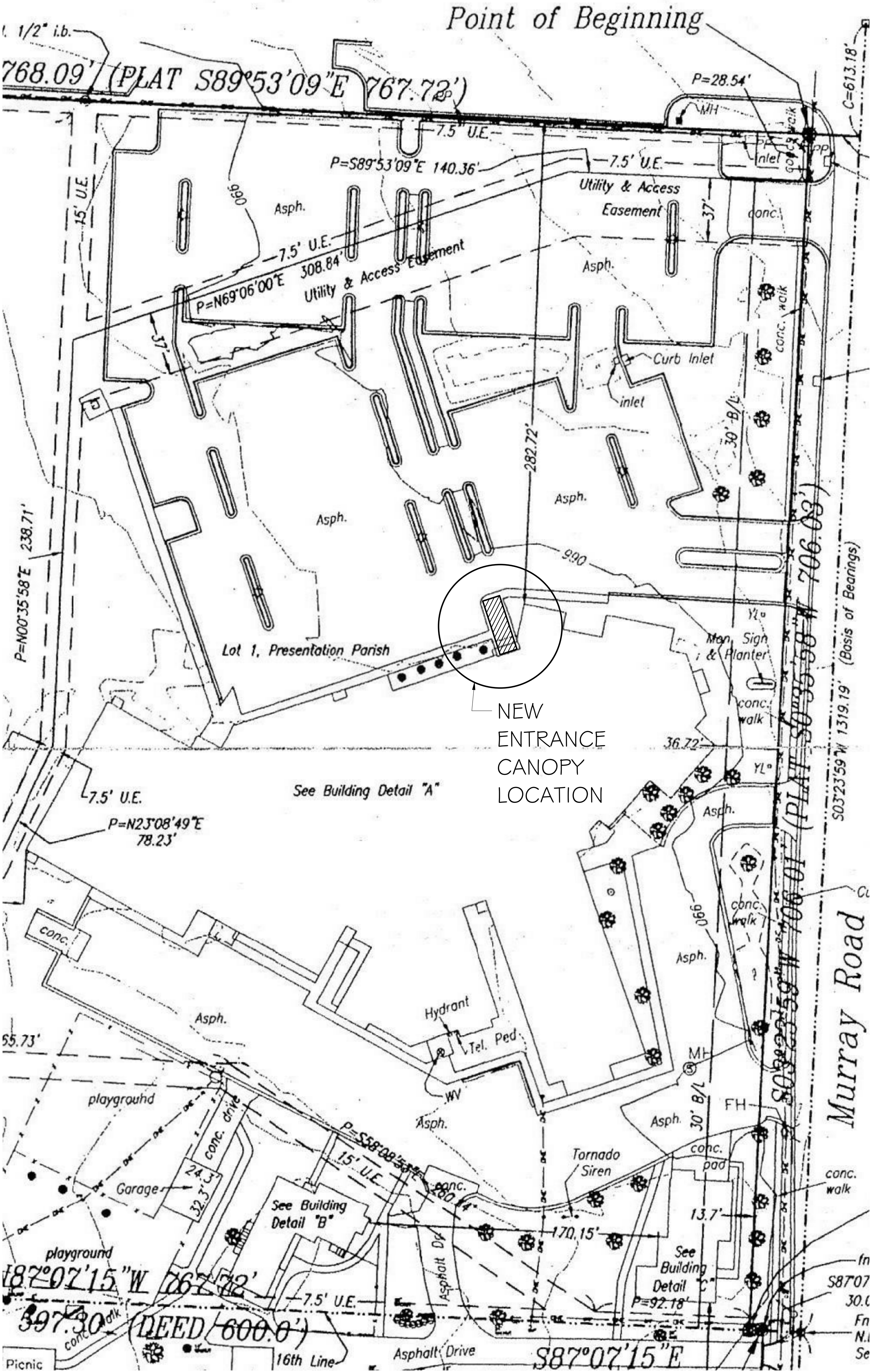
SPACE	OCCUPANCY GROUP	SPRINKLER SYSTEM	FIRE ALARM SYSTEM	CONSTR. TYPE	ALLOWABLE NO. OF STORIES	ACTUAL NO. OF STORIES	ALLOWABLE HEIGHT	ACTUAL HEIGHT	ALLOWABLE SQ. FT.	ACTUAL SQ. FT.
	(SEC. 303.4)			(SEC. 602)	(TABLE 504.4)		(TABLE 504.3)		(TABLE 506.2)	
CHURCH	A-3	YES	YES	V-B	2	1	55'	32'	24,000	20,364
OFFICE/MEETING	A-3	YES	YES	II-B	2	1	60'	16'	9,500	7,050

CODE INFORMATION FOR CHURCH BUILDING



2 ENTRY PERSPECTIVE

SITE PLAN
NO SCALE



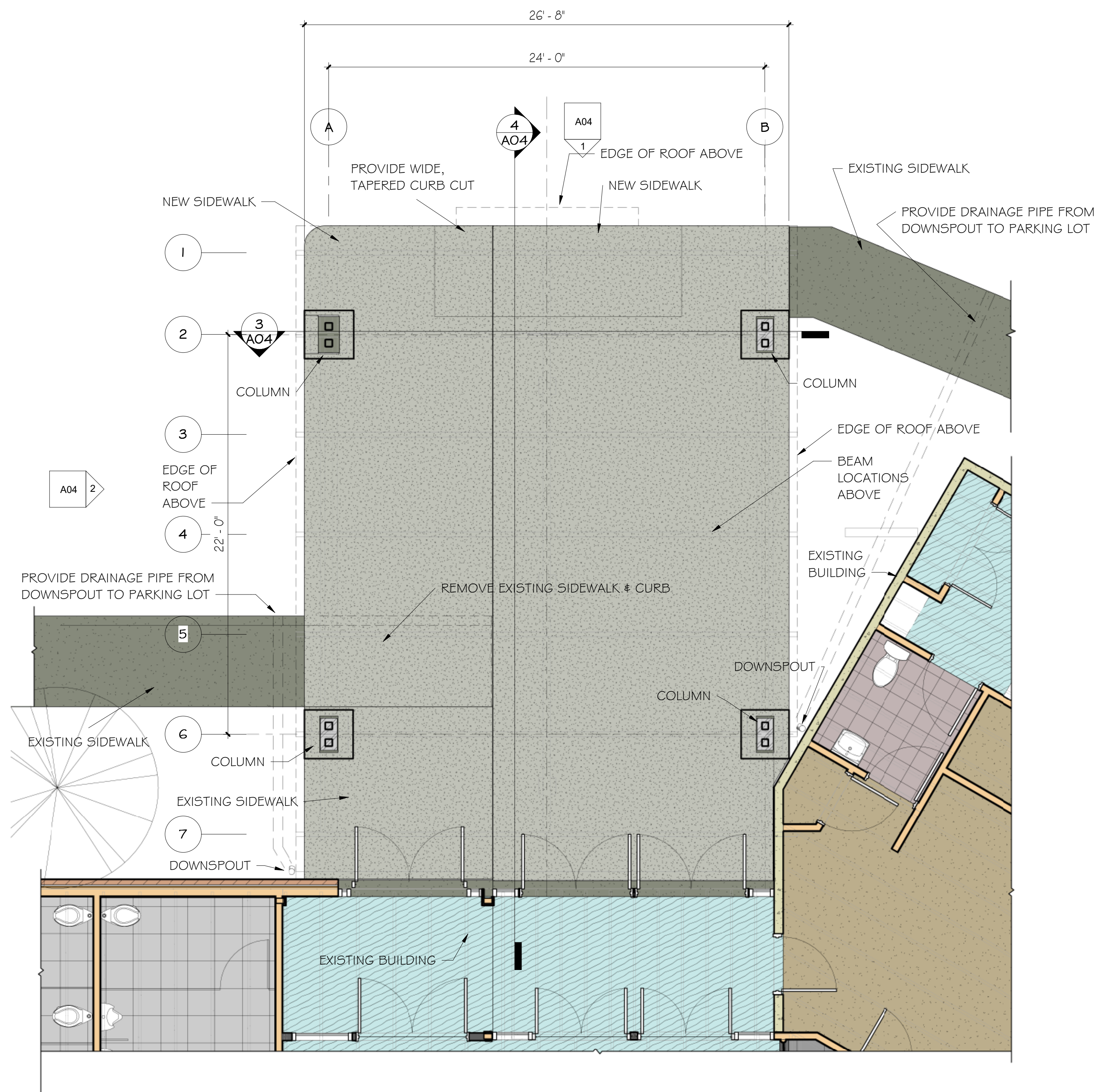
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130 NW MURRAY RD.
LEE'S SUMMIT, MO.

LaTona Architects
1600 Genessee, Suite 310 Kansas City, Mo. 64102. 816-471-0044

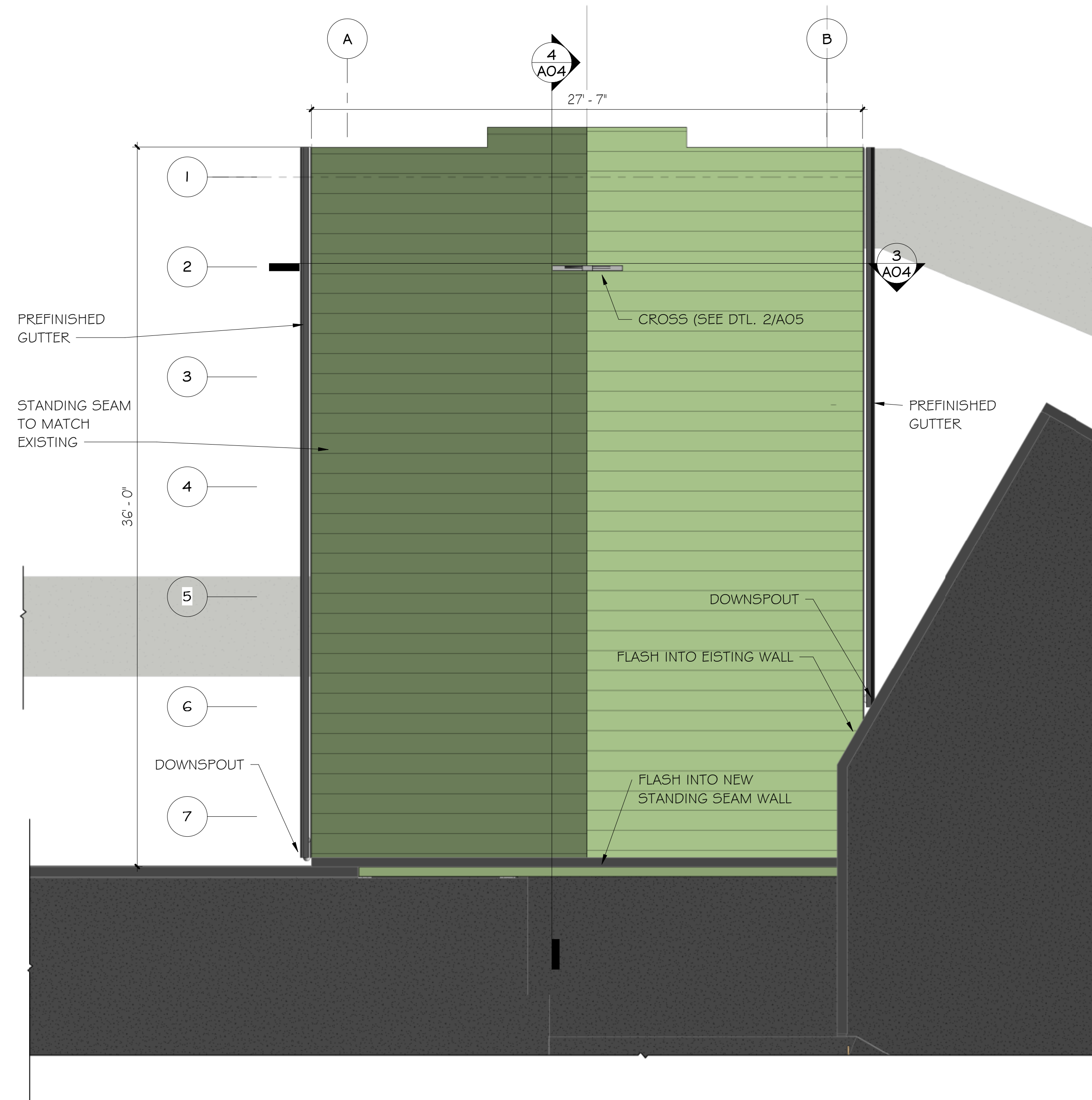
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Issue date:	03/21/21
Revised:	

A01



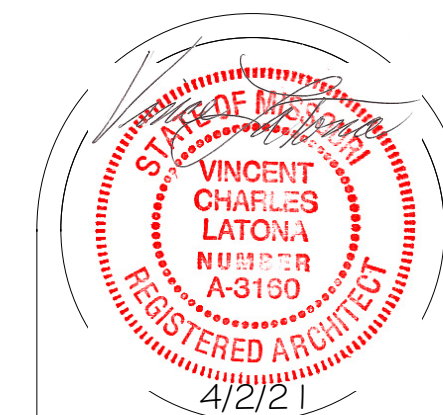
1 ENTRANCE CANOPY FLOOR PLAN
1/4" = 1'-0"

NORTH



2 ENTRANCE CANOPY ROOF PLAN
1/4" = 1'-0"

NORTH



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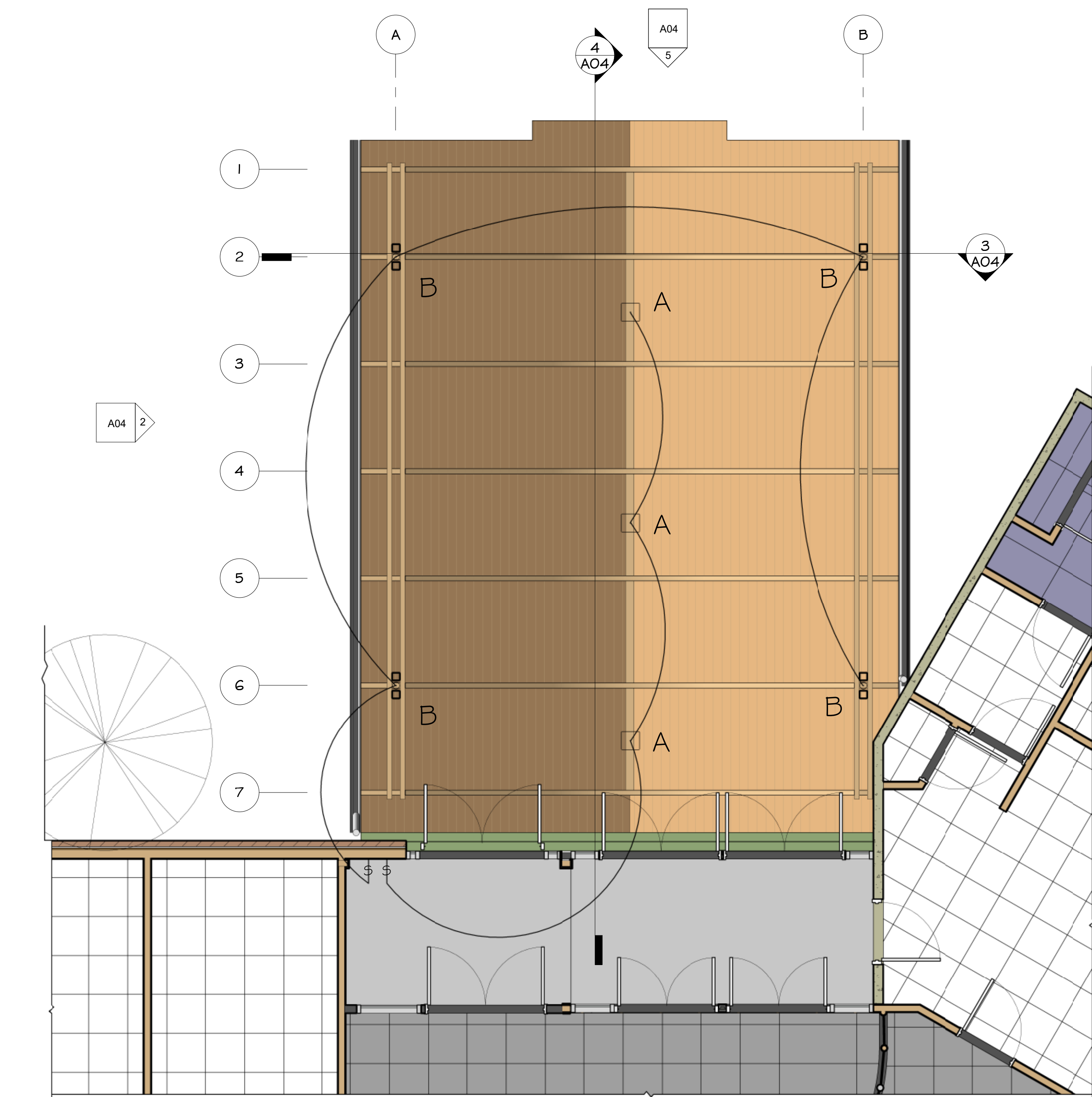
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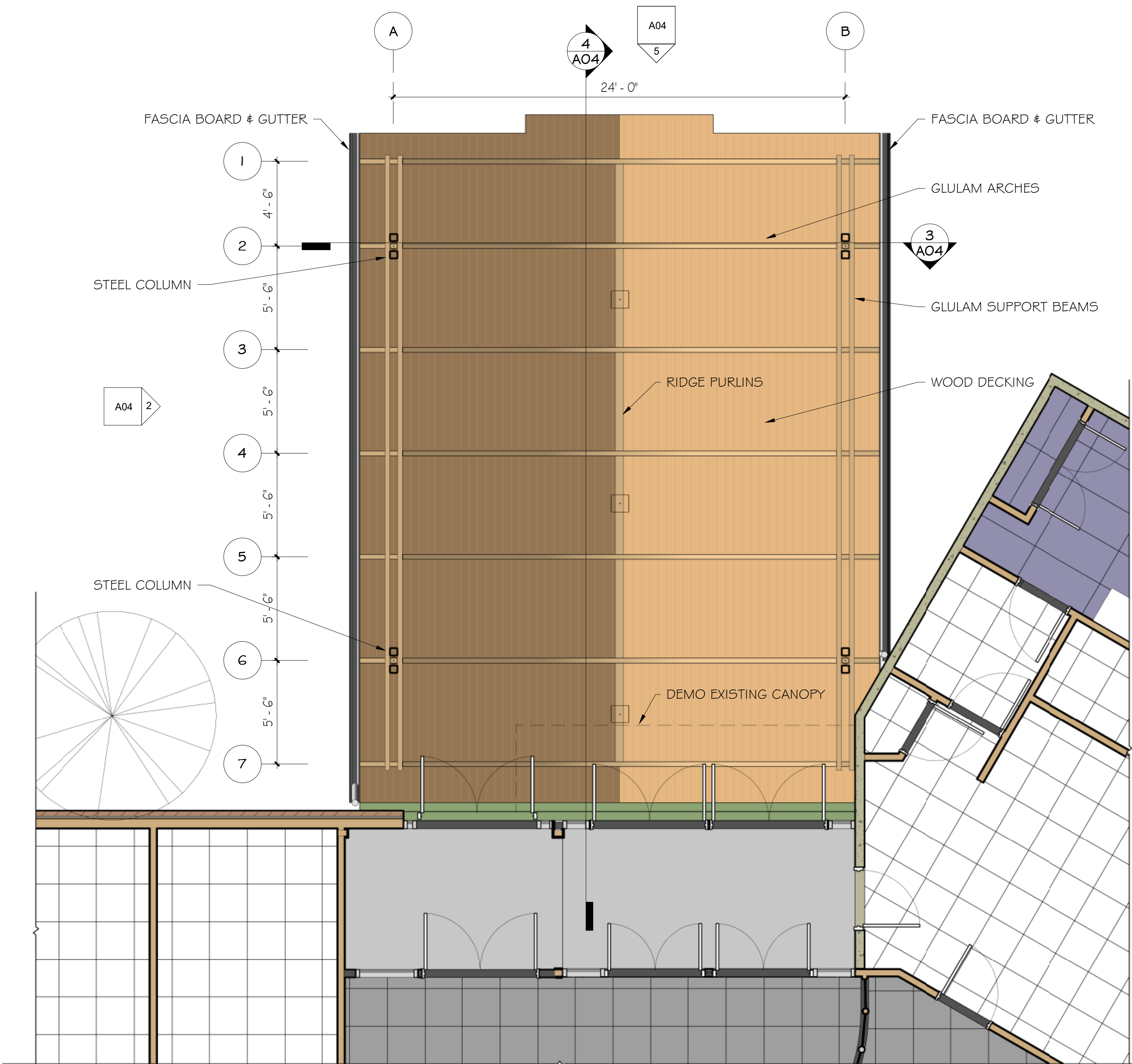
A02

LIGHT FIXTURES:
A - MANNING, BAUHAUS PENDENT, LP-095 - PT - PT (CUSTOM SYMBOL) - P88/U18 - 40 - DO - B60 - 120 - WH. LP-095 FIXTURE, LED P88/U18 UP/DOWN LIGHT, PAINTED (COLOR TBD), B60 60 DEG BEAM, WH OPAL WHITE ACRYLIC, SINGLE STEM w/ GUY WIRES. EXTERIOR DAMP LOCATION

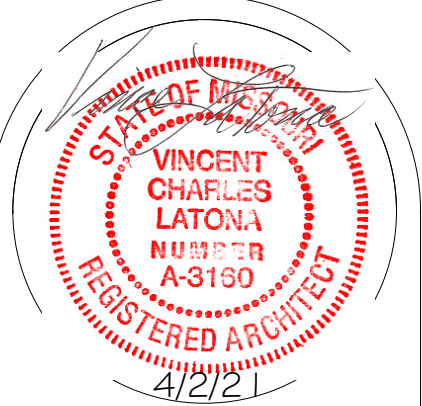
B - MANNING, BULLET PENDANT, LP-690 - PT - P23 - 40 - DO - B50 - 120 - SIN. LP-690 FIXTURE, P23 DOWNLIGHT, LED, PAINTED (COLOR TBD), B50 50 DEG BEAM, SINGLE STEM. EXTERIOR DAMP LOCATION



2 ENTRANCE CANOPY CEILING ELECTRICAL
1/4" = 1'-0"



1 ENTRANCE CANOPY REFLECTED CEILING
1/4" = 1'-0"



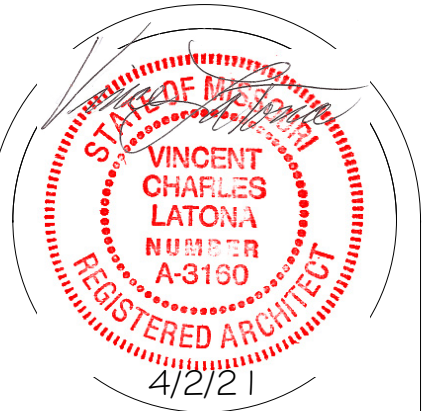
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A03



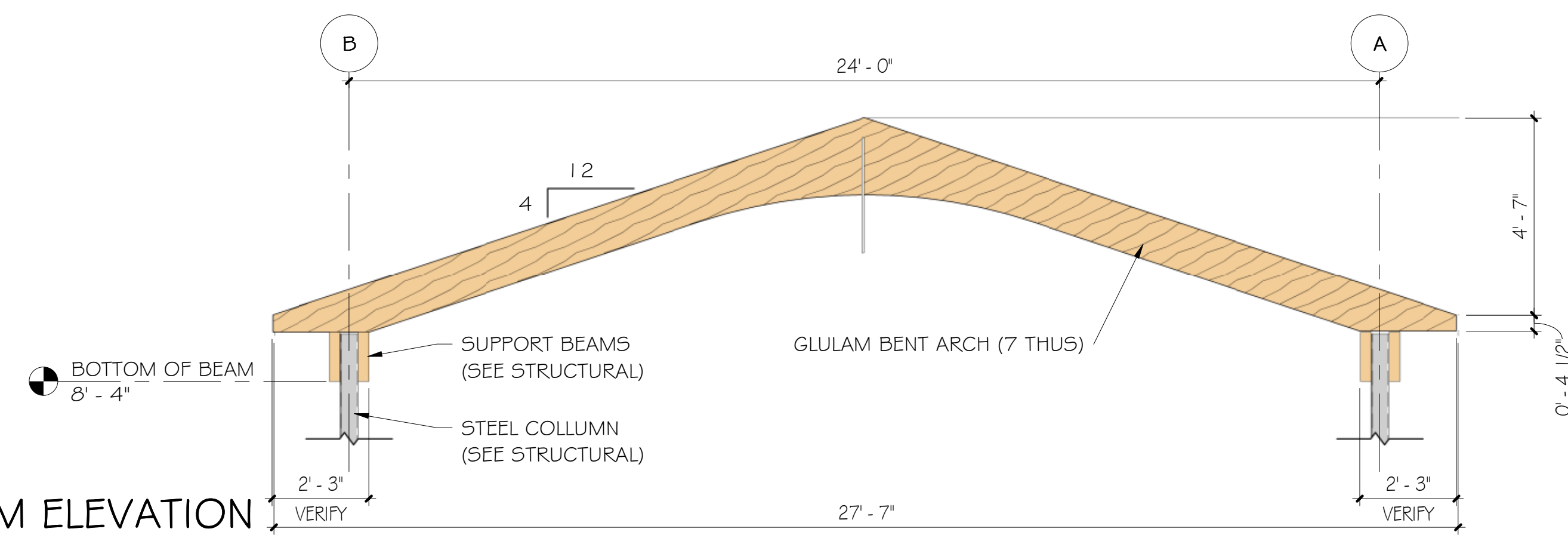
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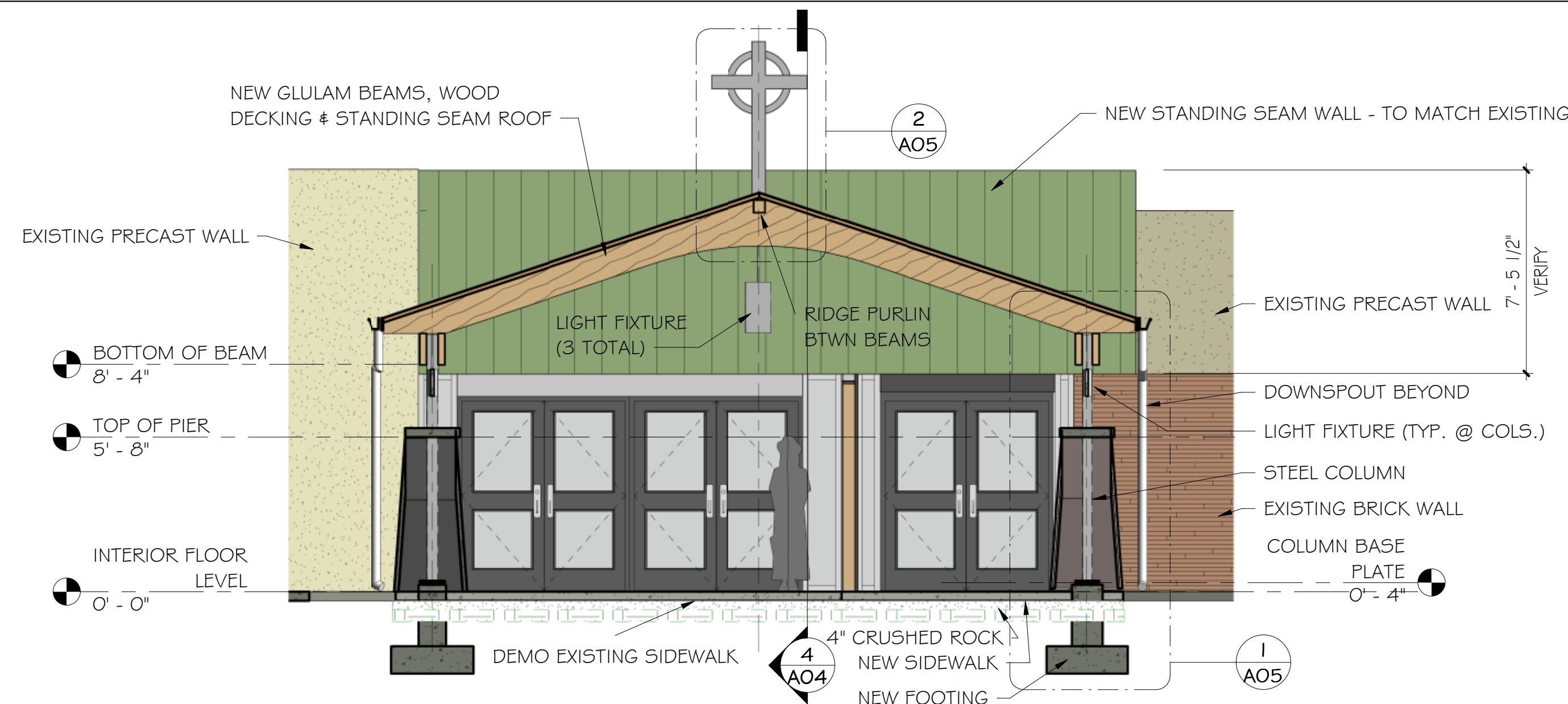
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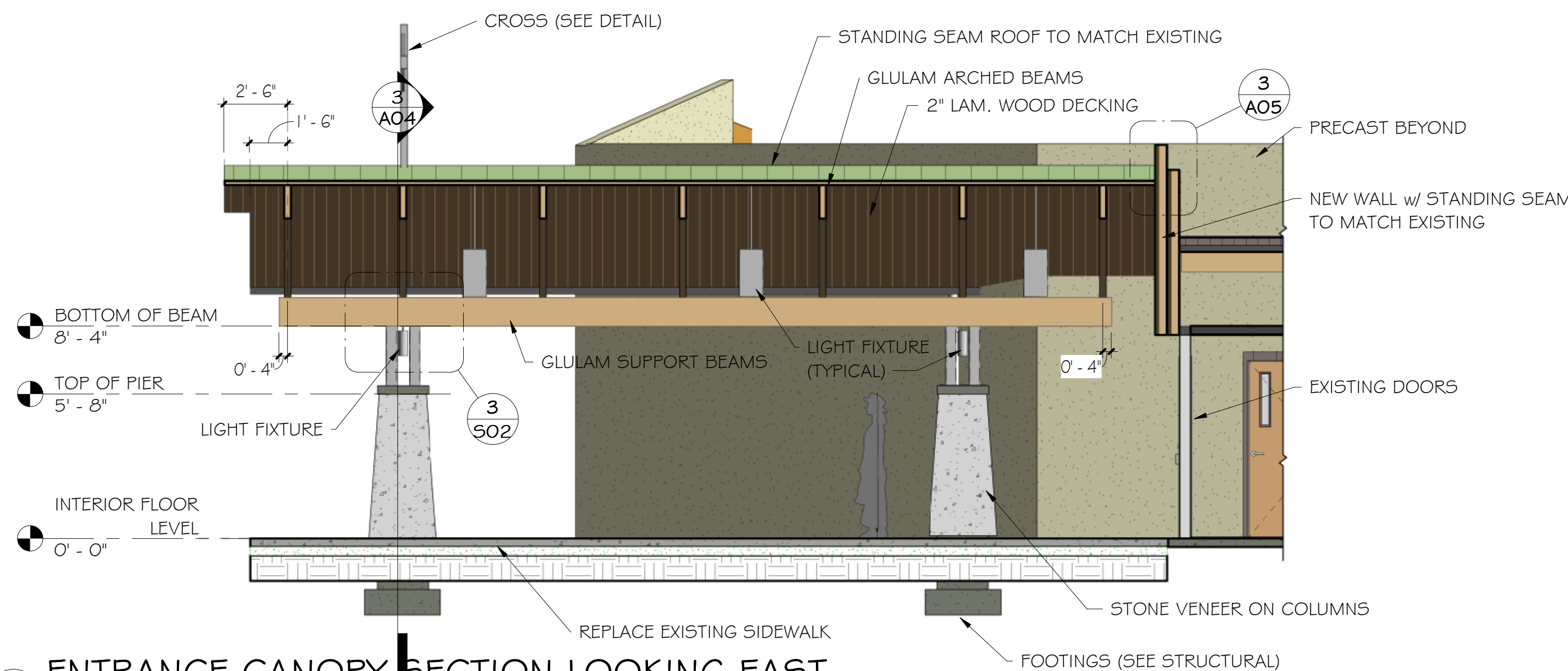
A04



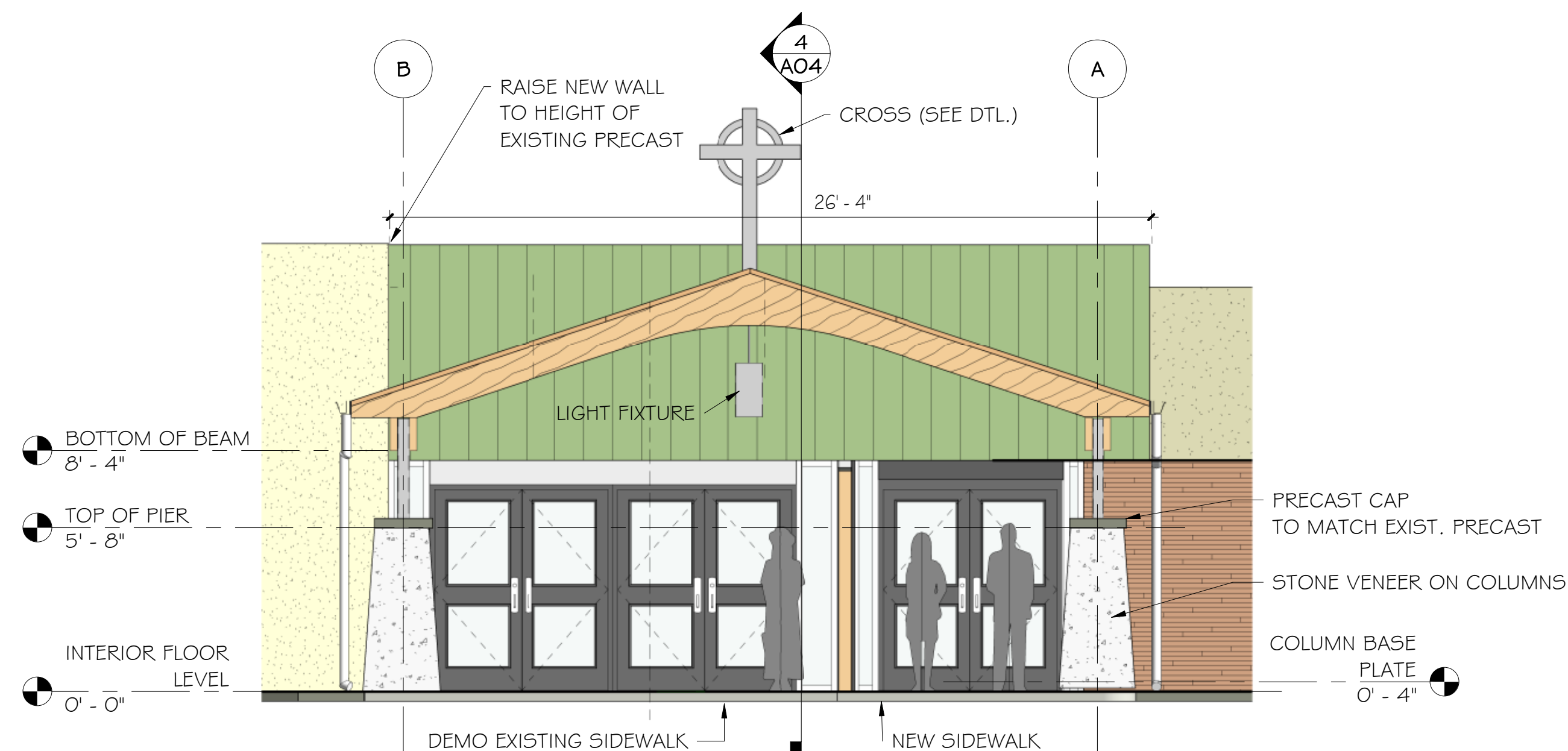
5 BEAM ELEVATION
3/8" = 1'-0"



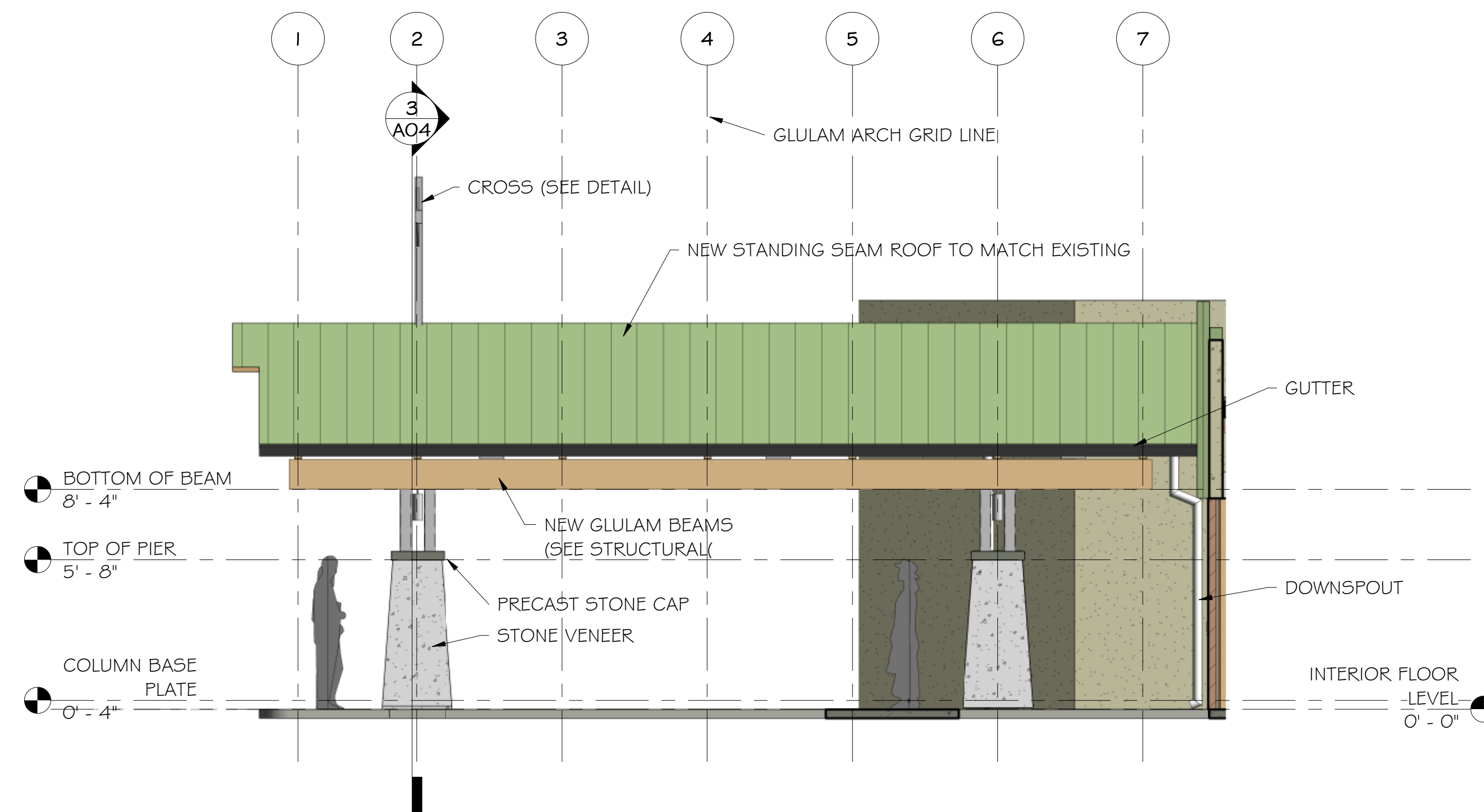
3 ENTRANCE CANOPY SECTION LOOKING SOUTH
1/4" = 1'-0"



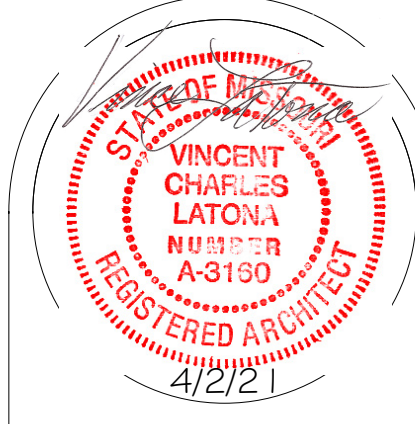
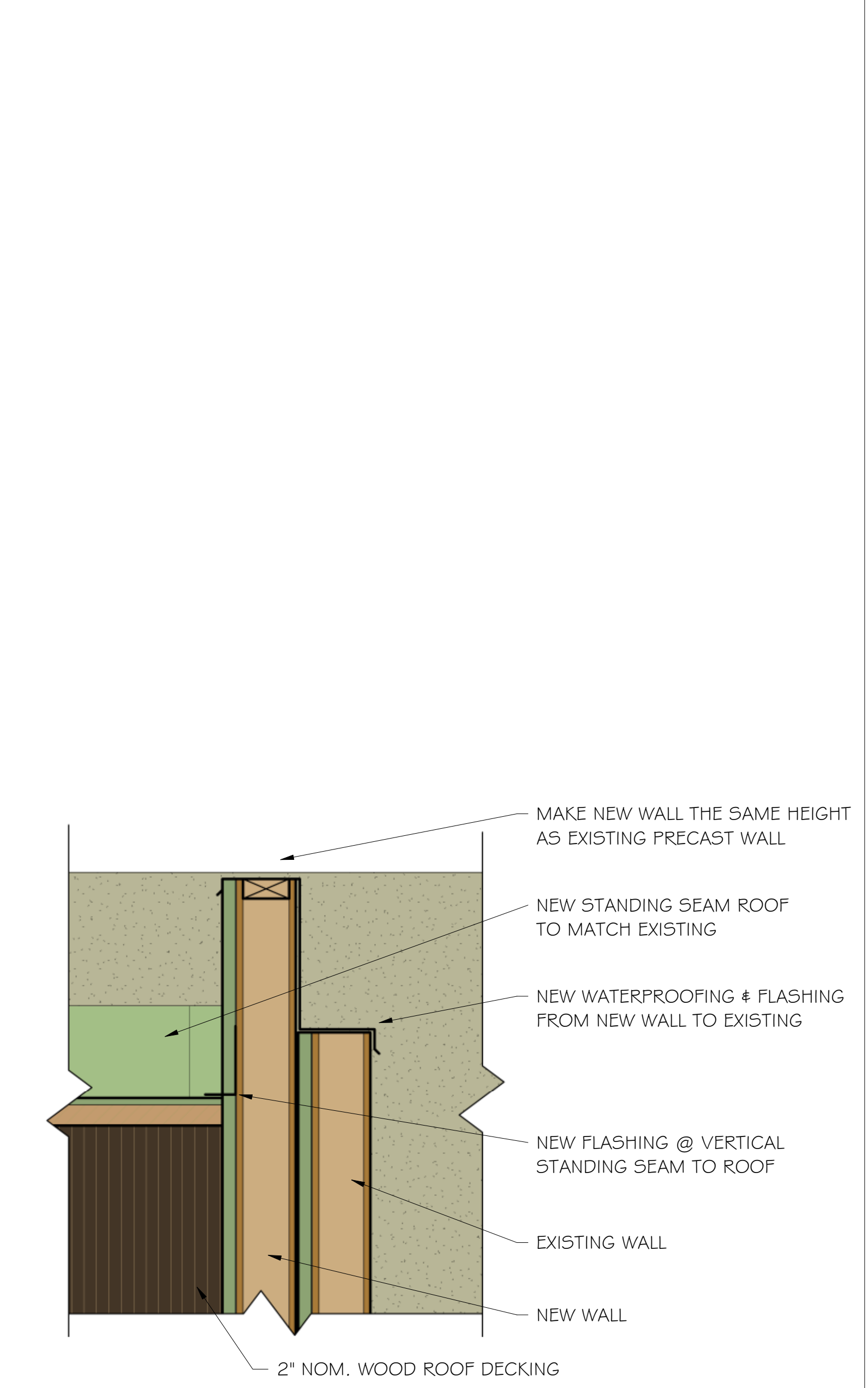
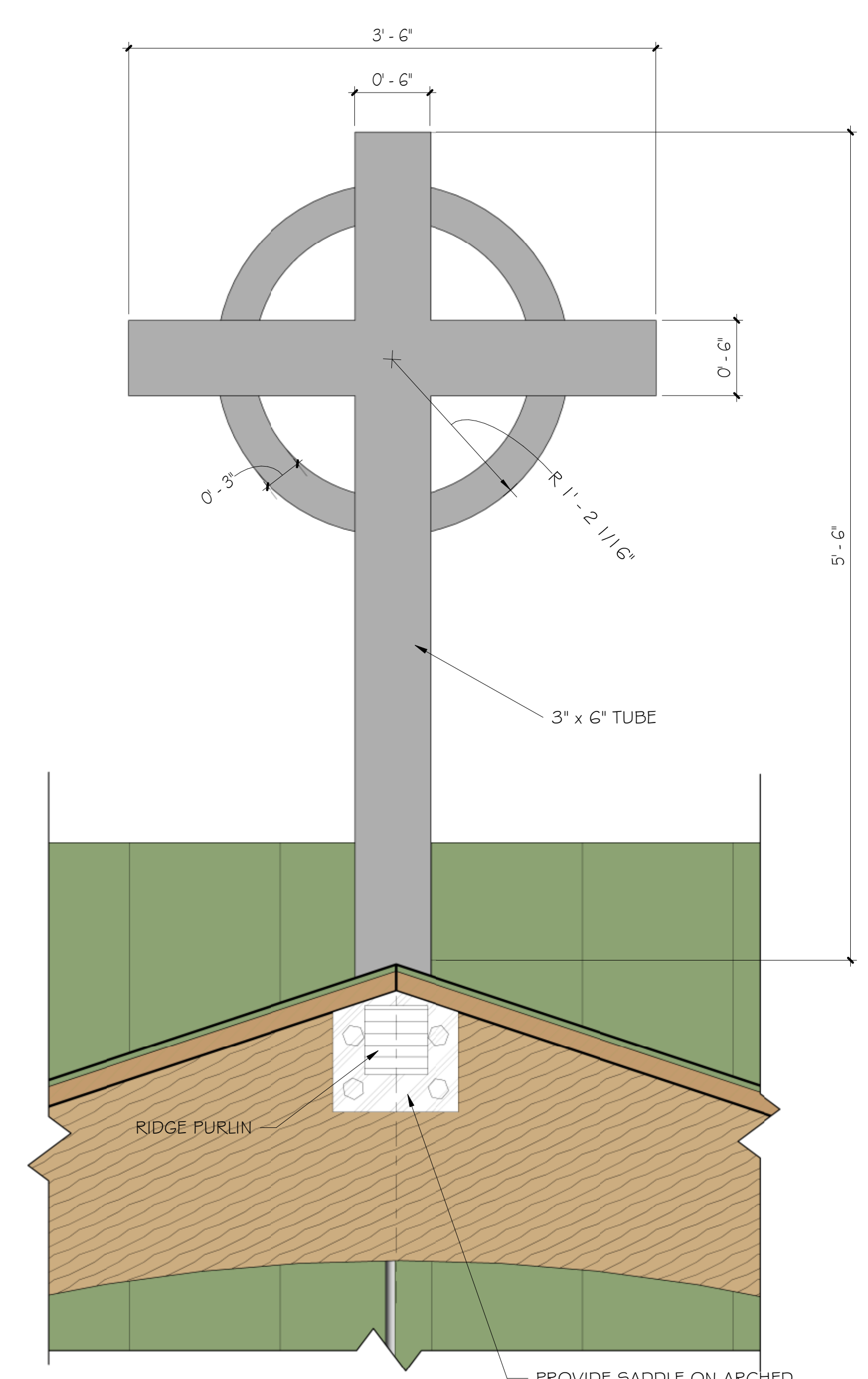
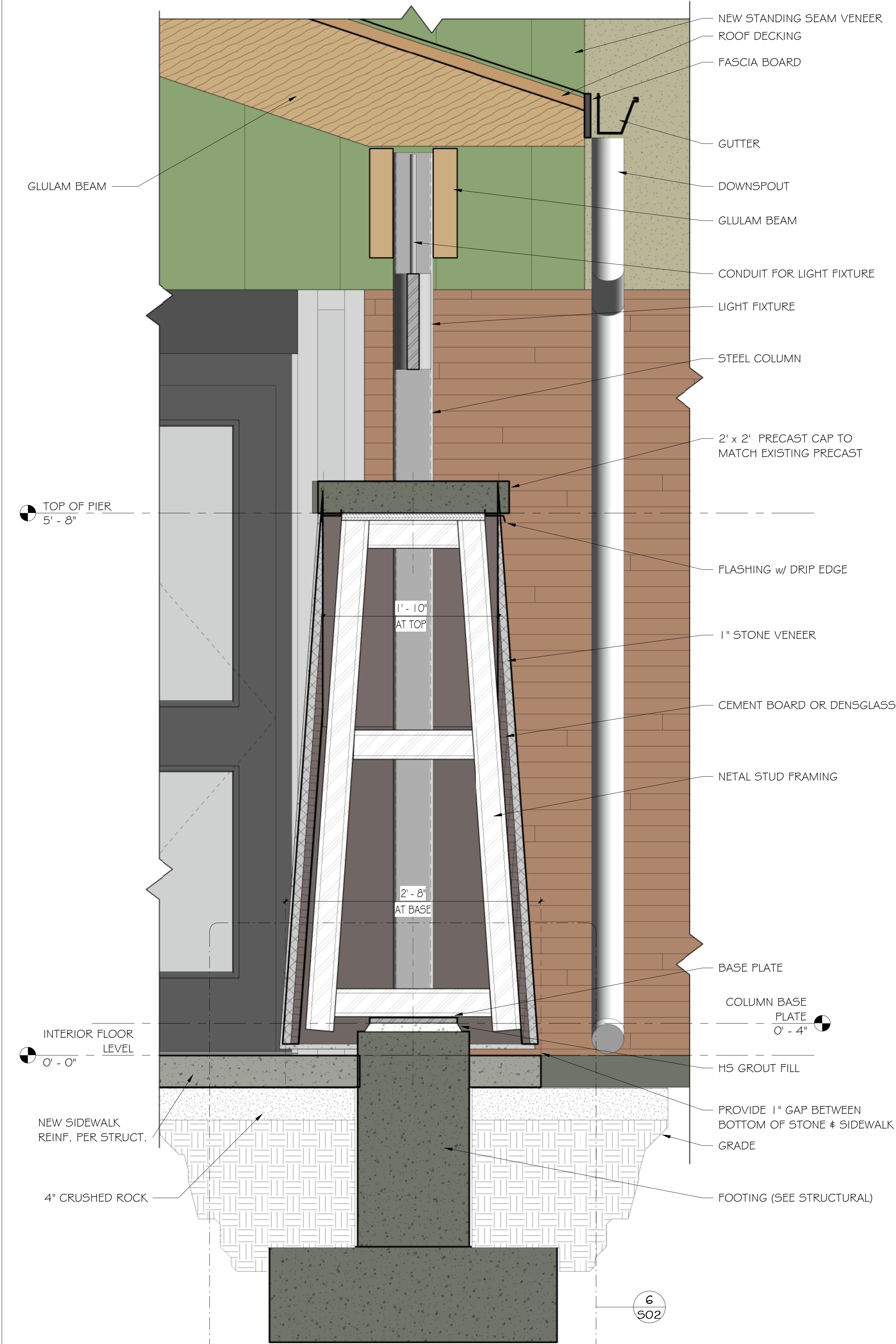
4 ENTRANCE CANOPY SECTION LOOKING EAST
1/4" = 1'-0"



1 ENTRANCE CANOPY NORTH ELEVATION
1/4" = 1'-0"



2 ENTRANCE CANOPY WEST ELEVATION
1/4" = 1'-0"



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A05

GENERAL NOTES - STRUCTURAL

1. The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.
2. The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for on architectural, mechanical, or electrical drawings. All conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.
3. All design and construction work for this project shall conform to the requirements of the 2018 International Building Code, as amended by the City of Lee's Summit, Missouri.
4. These drawings are for this specific project and no other use is authorized.
5. Structural Design Load Criteria:

A. Floor = 100 psf.

B. Roof = 25 psf.

C. Snow Pg = 20 psf, Is = 1.0

D. Lateral Loads:

1. Wind V = 115 mph, exposure B, Iw = 1.0

2. Seismic = Ss = 0.13g, S1 = 0.06g. Ie = 1.0

Site Classification C.

Seismic Design Category B.

E. This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the 2018 International Building Code.
6. Concrete:

A. All concrete for footings and foundations shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 517 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 6 gallons of water per 100 pounds of cement and not over 4 inches of slump.

- B. Concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 564 pounds of pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.
- C. The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved workability.
- D. The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced.
- E. Aggregate for all concrete shall be well graded from coarsest to finest with no more than 18 percent and not less than 8 percent retained on an individual sieve, except that less than 8 percent may be retained on coarsest sieve and on No. 50 and finer sieves.
- F. All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Any details not shown shall be detailed per ACI 315 and meet requirements of ACI 318, current editions.
- G. Control joints in dirt formed slab to be as shown on plans. Where not shown, limit controlled areas to not more than 150 square feet, or 12 feet on any side.
- H. Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement.
- I. Construction joints in beams, slabs, and grade beams shall occur at midspan (middle third) unless noted otherwise. Provide 2 x 4 horizontal keys at construction joints for shear transfer.
- J. No aluminum items shall be embedded in any concrete.
7. Reinforcing Steel:

A. All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A185.

B. Clear minimum coverage of concrete over reinforcing steel shall be as follows:

- Concrete placed against earth 3"

Formed concrete against earth 2"

Slabs 1"

Other 2"
- All coverage shall be nominal bar diameter minimum.
- C. All dowels shall be the same size and spacing as adjoining main bars (splice lap 40 bar diameters or 24" minimum unless noted otherwise).
- D. At corners of all walls, beams, and grade beams supply corner bars (minimum 2'-0" in each direction or 40 bar diameters) in outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3 - #4 vertical support bars for corner bars.
- E. Bars marked continuous and all vertical steel shall be lapped 40 bar diameters (2'-0" minimum) at splices and embedments, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise.
- F. At all holes in concrete walls and slabs, add 2 - #5 bars (opening dimension plus 80 diameters long) at each of four sides and add 2 - #5 x 5'-0" diagonally at each of four corners of hole. Openings in 8" thick walls are reinforced similar, but with 1 - #5 instead of 2 - #5, respectively.
- G. Accessories shall be as specified in latest edition of the ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-0" on center, and all accessories on exposed surfaces are to have plastic coated feet.
- H. All slabs and stairs not shown otherwise shall be 6" thick with #4 bars at 12" on center each way. All exterior porches and stoops not otherwise detailed may be constructed in any standard manner, solid or hollow, but must be reinforced with #4 bars at 12" on center each way minimum. Porches shall be doweled to adjacent walls or grade beams with #4 bars at 12" on center, hooked or embedded 40 diameters into both members. Slope porches 1/8" per foot for drainage unless noted otherwise.

8. Structural Steel:

- A. All structural steel beams shall be ASTM A992, grade 50 steel and all miscellaneous steel shall be ASTM A36 grade steel. Hollow Structural Sections (HSS) shall be ASTM A500, grade B. Pipe columns shall be ASTM A53, Type E, Grade B. Fabrication and erection shall be in accordance with AISC 303-05 "Code of Standard Practice for Steel Buildings and Bridges" in the 13th Edition of the AISC Steel Construction Manual.
- B. All welding shall conform to the recommendations of the AWS.

- C. All bolts not otherwise specified shall be 3/4" diameter high strength (ASTM A325-N). All bolts shall be fully pretensioned. All connections must be two bolt minimum.
- D. All anchor bolts shall be ASTM F1554, Grade 36 unless noted otherwise.
9. Post-Installed Anchors:

A. Post-installed anchors shall be used only where specified on the drawings unless approved in writing by the engineer of record. See drawings for anchor diameter, spacing and embedment. Performance values of the anchors shall be obtained for specified products using appropriate design procedures and/or standards as required by the governing building code. Anchors installed in concrete shall have an ICC-ES Evaluation Service Report. Special inspection is required for all post-installed anchors.

B. Mechanical anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ACI 355.2 and ICC-ES AC193. All anchors shall be installed per the anchor manufacturer's written instructions.

C. Adhesive anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ICC-ES AC308. All anchors shall be installed per the anchor manufacturer's written instructions.

10: Glued Laminated Timber:

- A. Glued laminated timbers shall have an allowable bending stress (Fb) of 2400 psi and a modulus of elasticity (E) of 1,800,000 psi.

11. Shop Drawing Review:

- A. Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company, Inc.
- B. Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall:

1. Review each submission for conformance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC.

2. Review and approve each submission.

3. Stamp each submission as approved.
- C. Bob D. Campbell and Company, Inc. shall assume that no submission comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation.
- D. Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall so notify the GC.

1. Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement.

2. Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities.

3. Structural steel shop drawings including erection drawings and piece details. Include miscellaneous framing specified on the structural drawings, but do not submit framing specified on non-structural drawings for Bob D. Campbell and Company, Inc. review.

4. Miscellaneous anchors shown on the structural drawings.
- E. Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submissions without GC approval stamp.

12. Structural Special Inspection:

- A. The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the 2018 International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.
- B. Special Inspections shall be required for the items indicated below. The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and provide access for those inspections.

1. Placement of Concrete

2. Testing of Concrete

3. Bolts in Concrete

4. Placement of Reinforcing Steel

5. High Strength Bolting

6. Post-Installed Anchors

7. Structural Welding

8. Steel Frame Inspection
- C. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person.
- D. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority, building official and structural engineer.
- E. The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the building code.

12. Copyright and Disclaimer:

- A. All drawings in the structural set (S-series drawings) are the copyrighted work of Bob D. Campbell and company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding, and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner.
- B. I, Steven R. Carroll, P.E., registered engineer and a representative of Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of S-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.

Steven R. Carroll, P.E.

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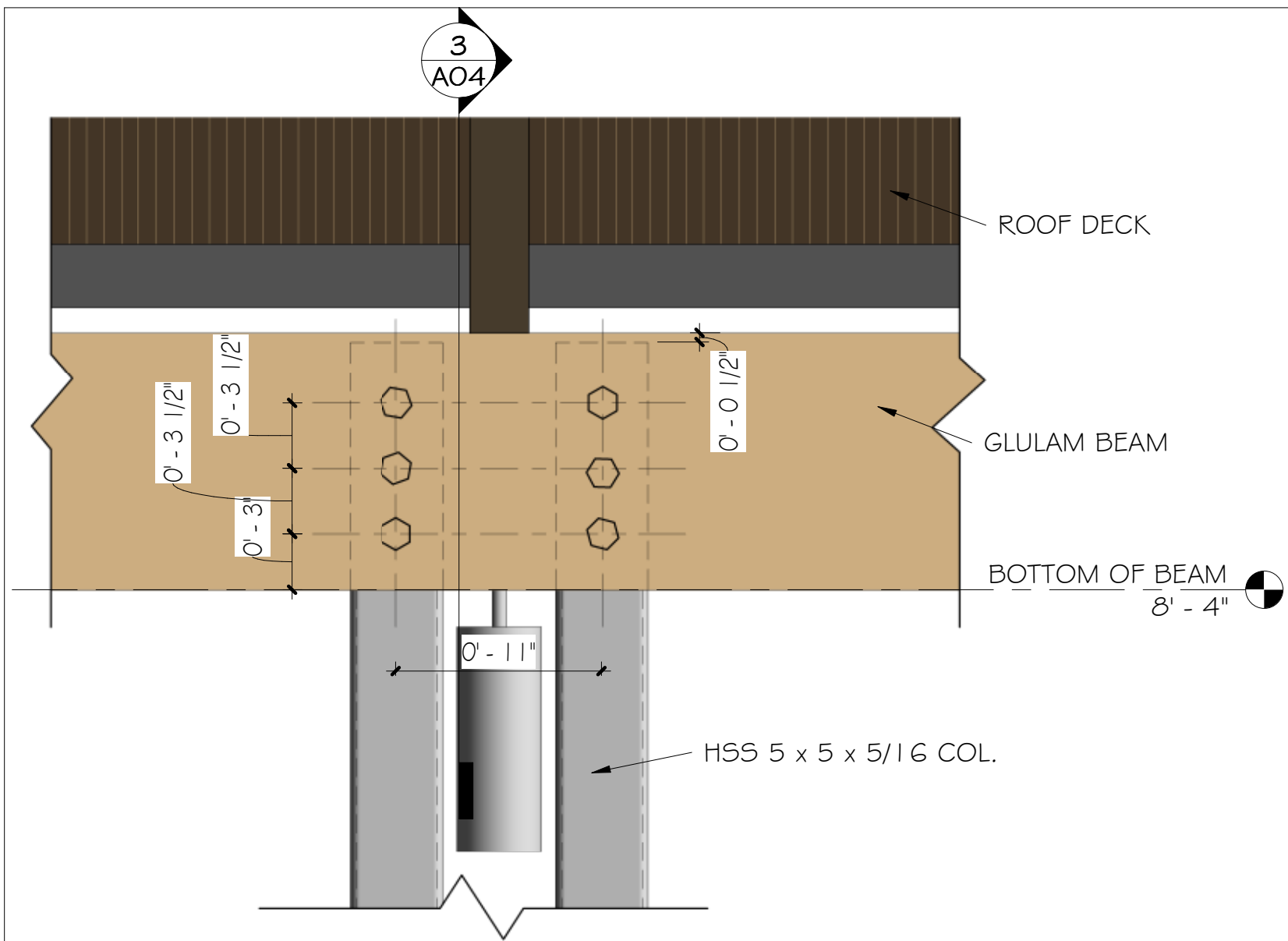
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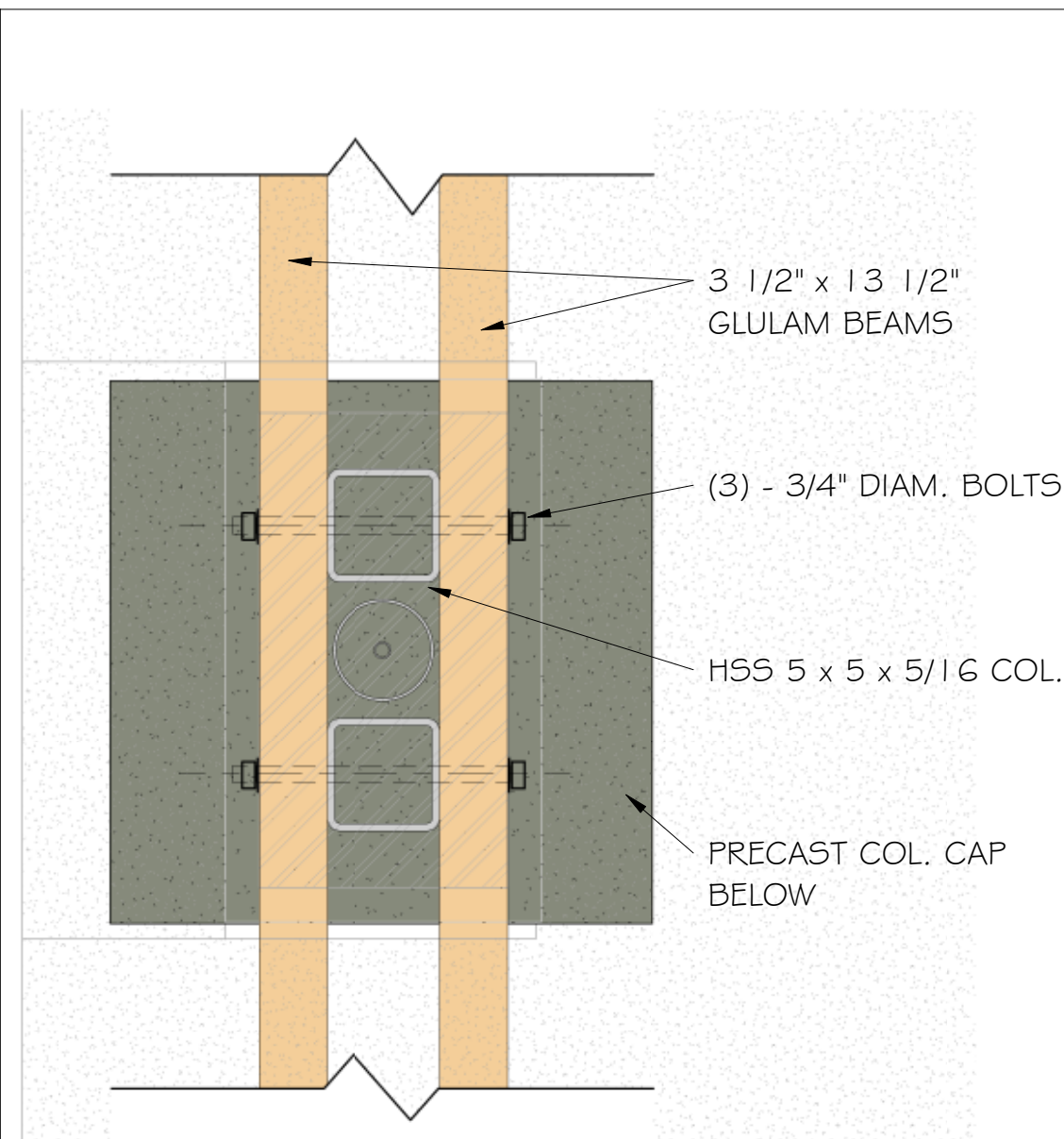
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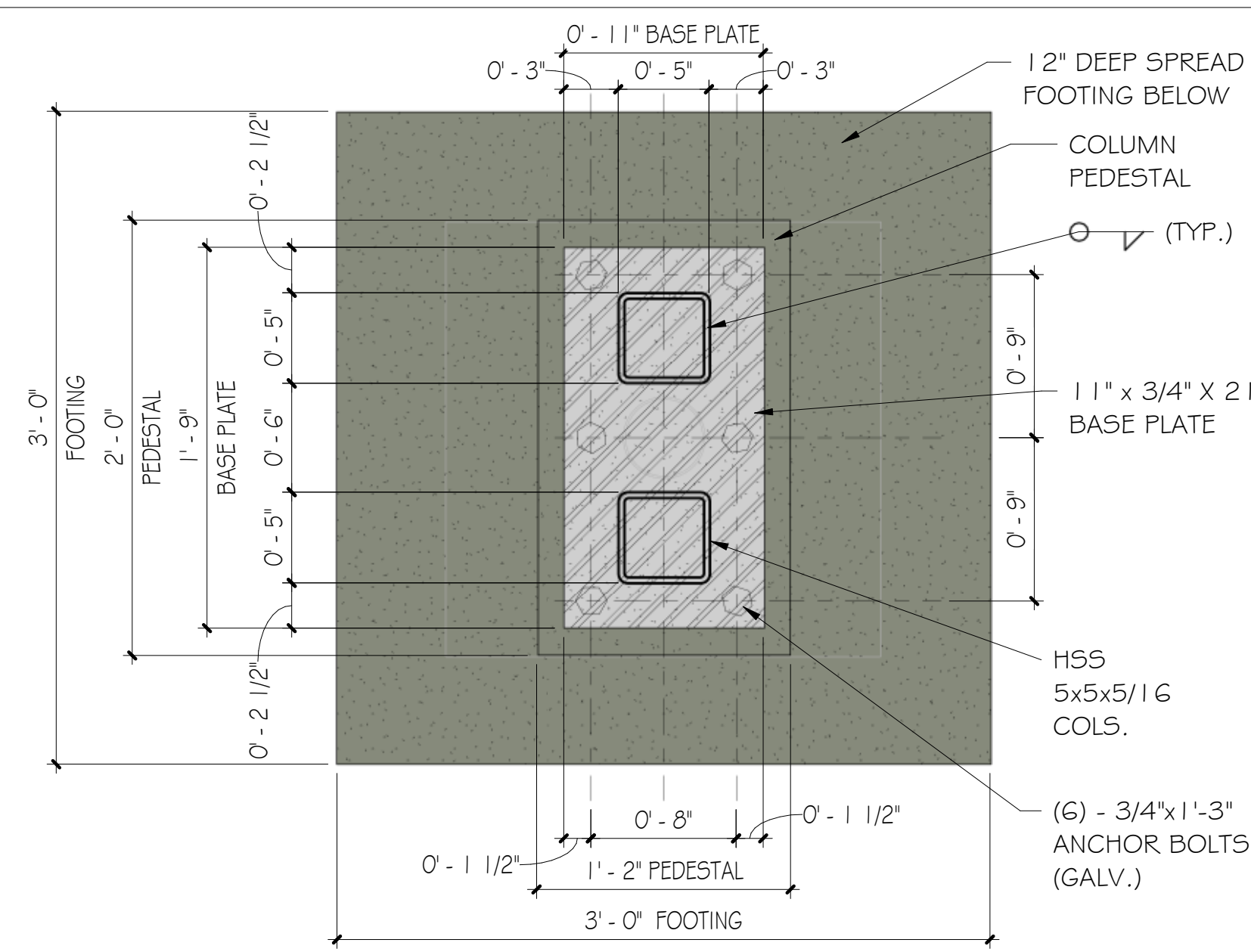
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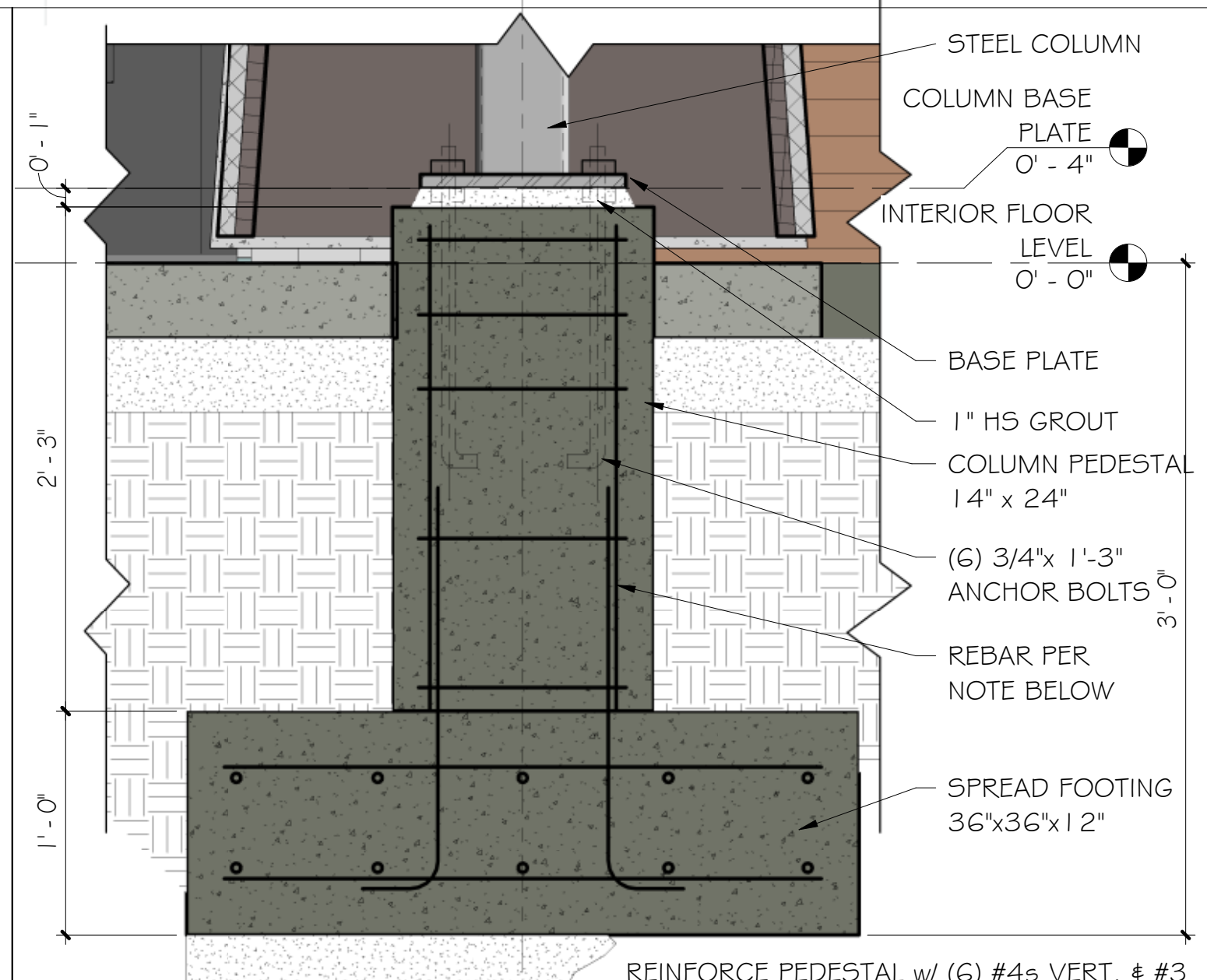
3 COLUMN DETAIL @ BEAM
1 1/2" = 1'-0"



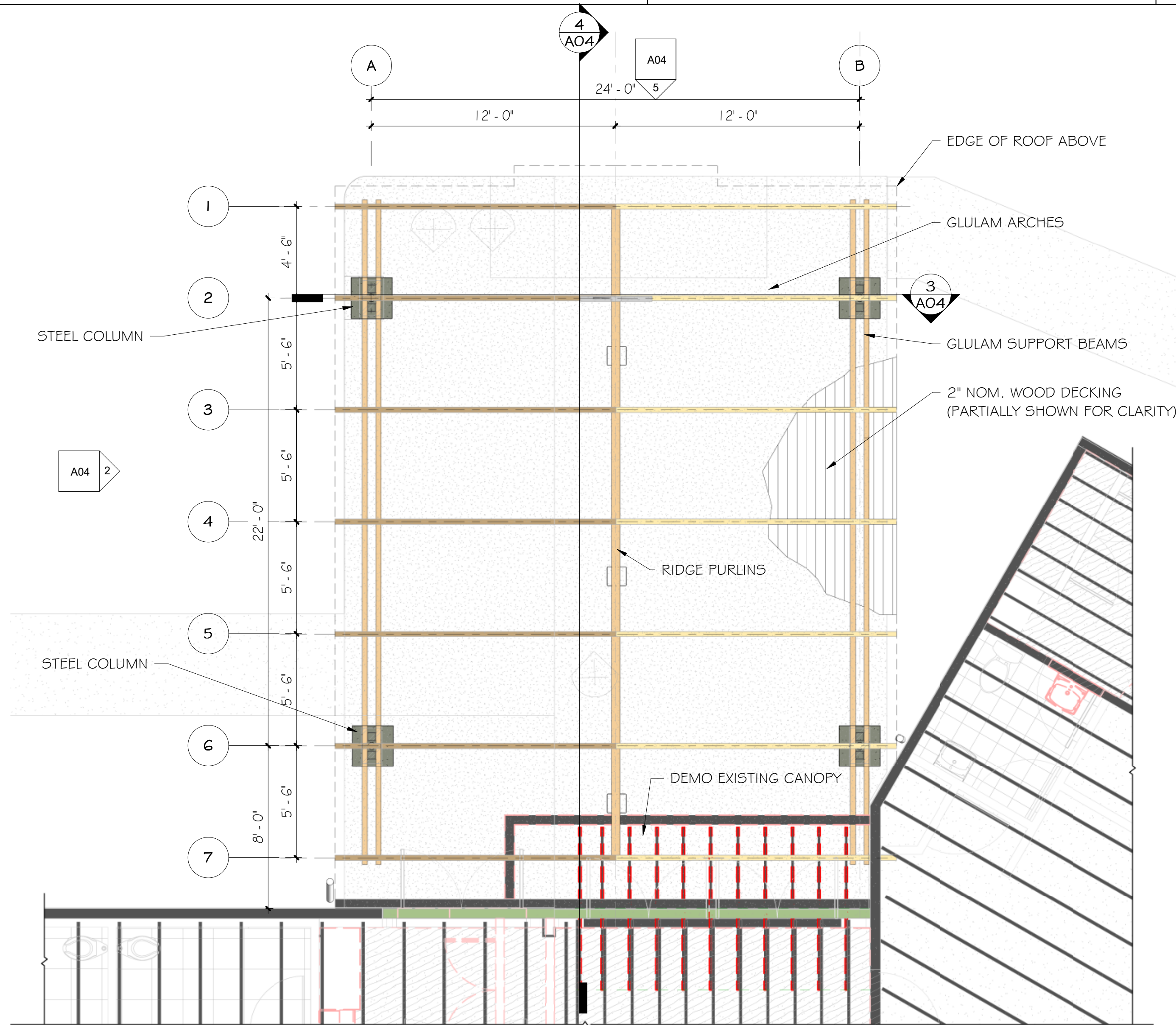
4 PLAN DETAIL @ BEAM
1 1/2" = 1'-0"



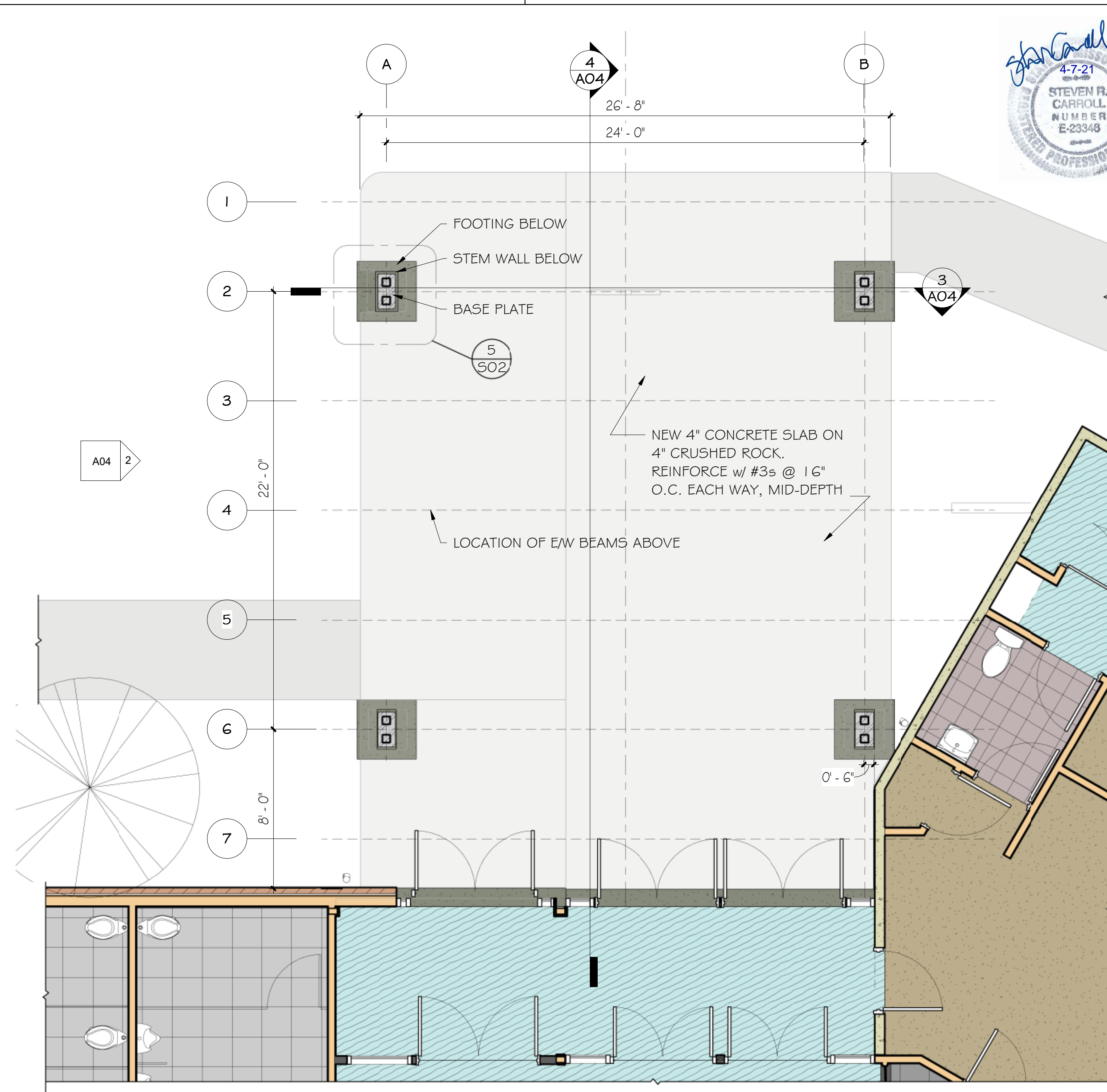
5 BASE PLATE DETAIL
1 1/2" = 1'-0"



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



2 ENTRANCE CANOPY FRAMING PLAN
1/4" = 1'-0"



1 ENTRANCE CANOPY FOOTING PLAN
1/4" = 1'-0"

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