



CANOPY ADDITION FOR:
THE SUMMIT CHURCH
3381 NW CHIPMAN ROAD
LEE'S SUMMIT, MISSOURI 64081

PROJECT #: 23-894
ISSUE DATE: 2/01/2024

CONSTRUCTION DOCUMENT DRAWINGS



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CONSULTANTS

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DRAWN BY:
CHECKED BY: BCR

REVISIONS:

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G0.20
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GENERAL NOTES

- EVERY CONTRACTOR, SUBCONTRACTOR, INSTALLER, ETC., SHALL STUDY AND COMPARE THE BIDDING DOCUMENTS WITH EACH OTHER, WITH THE EXISTING BUILDING AND THE ORIGINAL CONSTRUCTION DRAWINGS AVAILABLE FOR REVIEW ON SITE. ALL DRAWINGS, SPECIFICATIONS AND THE EXISTING FACILITY ARE AVAILABLE FOR REVIEW TO ENSURE THAT ALL CONDITIONS, BOTH PROPOSED AND EXISTING, CAN BE COMPARED FOR COMPATIBILITY. SHOULD A CONFLICT, ERROR, INCONSISTENCY OR AMBIGUITY BE DISCOVERED IT IS THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE ARCHITECT IMMEDIATELY. BIDDERS ARE ADVISED THAT "AS-BUILT" CONDITIONS MAY VARY FROM THOSE SHOWN ON THE DRAWINGS. HOWEVER, FROM REVIEW OF ALL THE ITEMS PROVIDED IT SHOULD BE UNDERSTOOD THAT BIDDERS SHALL NOT LATER REQUEST, NOR EXPECT TO RECEIVE, ADDITIONAL PAYMENT FOR WORK RELATED TO VARIATIONS WHICH CAN BE DETERMINED BY EXAMINATION OF THIS INFORMATION, THE BUILDING AND THE SITE BY DATE SET FOR RECEIPT OF BIDS FOR THIS CONTRACT.
- EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS & SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING AND PERFORMING ANY WORK. CONTRACTOR SHALL COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO STARTING THE WORK.
- THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTOR. THE CONTRACT DOCUMENTS ARE COMPLIMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. SHOULD A CONFLICT OCCUR, THE ARCHITECT WILL DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS TO PROVIDE THE OWNER WITH A COMPLETED AND FUNCTIONAL FACILITY. PERFORMANCE BY THE CONTRACTOR SHALL BE REQUIRED ONLY TO THE EXTENT CONSISTENT WITH THESE CONTRACT DOCUMENTS AND REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INTENDED "FINISHED" RESULTS.
- THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL BID DOCUMENTS TO FULLY COORDINATE ALL ITEMS, INCLUDING THEIR PROPER INSTALLATION, THAT WILL BE UTILIZED ON THIS PROJECT PRIOR TO BID SUBMITTAL. IN THE EVENT THAT ANY AMBIGUITY, DISCREPANCY, ERROR, INCONSISTENCY OR OMISSION IN OR BETWEEN THE BID DOCUMENTS EXIST OR APPEARS TO EXIST, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING PRIOR TO THE BID SUBMITTAL FOR CLARIFICATION. THE CONTRACTOR ACKNOWLEDGES THAT HIS/HER SUBCONTRACTORS, FABRICATORS, & SUPPLIERS HAVE THOROUGHLY REVIEWED ALL BID DOCUMENTS AND REPORTED ANY AMBIGUITY, DISCREPANCY, ERROR, INCONSISTENCY OR OMISSION TO THE ARCHITECT IN WRITING PRIOR TO THE BID SUBMITTAL FOR CLARIFICATION. SHOULD A CLARIFICATION, DECISION, OR INTERPRETATION NOT BE REQUESTED BY THE CONTRACTOR OR RENDERED BY THE ARCHITECT, IT SHALL BE ASSUMED THAT THE CONTRACTOR HAS REVIEWED ALL THE BID DOCUMENTS AND HAS INCLUDED THE MOST COSTLY ITEM OR METHOD IN QUESTION REQUIRED TO RESOLVE THE AMBIGUITY, DISCREPANCY, ERROR, INCONSISTENCY OR OMISSION. ONE DOCUMENT DOES NOT TAKE PRECEDENT OVER ANOTHER WHEN INTERPRETING A DISCREPANCY.
- THE CONTRACTOR AND SUBCONTRACTORS SHALL CHECK AND FIELD VERIFY ALL MEASUREMENTS, DIMENSIONS, ELEVATIONS AND ALIGNMENTS, INCLUDING THE EXISTING BUILDING AND SITE, BEFORE PROCEEDING WITH WORK. DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT.
- CONTRACTOR SHALL NOT SCALE DRAWINGS EXCEPT FOR GENERAL REFERENCES.
- ALL DRAWINGS AND SPECIFICATIONS ARE PROVIDED AS ONE UNIT. SHOULD A CONFLICT OCCUR, THE ARCHITECT WILL DETERMINE THE INTENT OF THE CORRECT DOCUMENTS TO PROVIDE THE OWNER WITH COMPLETED, FUNCTIONAL FACILITIES WITH A FULLY "FINISHED" APPEARANCE.
- THESE DRAWINGS ARE FOR THIS SPECIFIC PROJECT AND NO OTHER USE IS AUTHORIZED.

SITE DEMOLITION NOTES

- THE GENERAL CONTRACTOR WILL REMOVE ANY AND ALL SIDEWALKS, CURBS, SHRUBBERY, TREES, FENCES, CONCRETE CURBS, ASPHALT AND ANY OTHER ITEMS NOT NOTED TO BE REMOVED BUT REQUIRED TO BE REMOVED TO INSTALL THE NEW CONSTRUCTION.
- ALL POLES, LINES, METERS, PADS, ETC. TO BE REMOVED OR RELOCATED, SHALL BE MODIFIED BY THE UTILITY OWNING THE ITEM. GENERAL CONTRACTOR WILL BE RESPONSIBLE TO FILL ANY HOLES PER DIVISION 2 IF NOT COMPLETED BY UTILITY. COORDINATE WITH OWNING UTILITY COMPANY.
- GENERAL CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO FIELD VERIFY EXCACT LOCATIONS OF UNDERGROUND AND ABOVE GROUND LINES AND COORDINATE WITH UTILITY COMPANY OWNING LINES THAT MAY NEED TO BE RELOCATED OR REROUTED.
- GENERAL CONTRACTOR SHALL PROTECT ALL UTILITY LINES (ABOVE & BELOW GROUND) DURING THE ENTIRE CONSTRUCTION PERIOD. DAMAGED LINES WILL BE REPAIRED AND/OR REPLACED AT NO COST TO THE OWNER. THIS INCLUDES ALL UTILITY LINES SHOWN OR NOT SHOWN.
- GENERAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND AND ABOVE GROUND UTILITY LINES WITH THE COMPANY OWNING LINES WHETHER SHOWN OR NOT SHOWN.
- GENERAL CONTRACTOR SHALL PROTECT, BRACE AND SHORE THE EXCAVATION AND ALL EXISTING STRUCTURES ADJACENT TO ANY AND ALL EXCAVATIONS. PRIOR TO CONSTRUCTION, THE GENERAL CONTRACTOR SHALL ESTABLISH THE DEPTH OF FOUNDATIONS FOR THE WALLS OF THE EXISTING STRUCTURES ADJACENT TO THE EXCAVATIONS. GENERAL CONTRACTOR SHALL SUBMIT TO THE ARCHITECT/ENGINEER A TEMPORARY BRACING METHOD TO BE IMPLEMENTED TO PROTECT THE SLOPE OF THE EXCAVATION AND ADJACENT EXISTING STRUCTURES DURING THE CONSTRUCTION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF SUCH METHODS OF PROTECTION OF EXISTING STRUCTURE.

SITE NOTES

- THE ARCHITECT CANNOT GUARANTEE THE ACCURACY OF THE SITE BASED ON EXISTING SURVEY INFORMATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING GRADES, DIMENSIONS AND/OR UTILITY LINES AS REQUIRED AND REPORT ANY DISCREPANCY TO THE ARCHITECT BEFORE PROCEEDING WITH CONSTRUCTION FOR PROPER INTENT AND LOCATION.
- ALL EXISTING UTILITIES MAY NOT BE SHOWN. GENERAL CONTRACTOR SHALL CONTACT AND COORDINATE WITH ALL UTILITY COMPANIES TO FIELD VERIFY THE EXACT LOCATION OF ALL UNDERGROUND AND ABOVE GROUND UTILITY LINES WITH THE COMPANY OWNING THE RESPECTIVE LINES WHETHER SHOWN OR NOT ON THE DRAWINGS. IN ADDITION, GENERAL CONTRACTOR SHALL PROTECT ALL UTILITY LINES (ABOVE & BELOW GROUND) DURING THE ENTIRE CONSTRUCTION PERIOD. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR TO VERIFY THE LOCATION OF THE SAME SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- ANY EXISTING TREES TO REMAIN SHALL BE ADEQUATELY PROTECTED WITH FENCING AT LEAST 4' HIGH AND 4' FROM THE TREE. TREES WHICH ARE MARKED TO REMAIN AND ARE DAMAGED OR KILLED UP TO ONE YEAR AFTER COMPLETION OF CONSTRUCTION, DUE TO ROUGH GRADING OR SUPERFICIAL DAMAGE, SHALL BE REPLACED WITH A 4" DIAMETER TREE OF THE SAME SPECIES, OR APPROVED EQUAL BY THE OWNER, AT NO COST TO THE OWNER.
- STRIP TOP SOIL TO DEPTH OF 6" AND STOCKPILE FOR REDISTRIBUTION AFTER ROUGH GRADING. STOCKPILE TOPSOIL IN SEPARATE LOCALE FROM UNDERLYING SOIL. REDISTRIBUTE TOPSOIL AT DEPTH OF 4" MINIMUM OVER ALL UNPAVED AREAS. IF ADDITIONAL TOPSOIL IS REQUIRED, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADDITIONAL MATERIAL.
- CONTOUR AND ELEVATIONS ARE CONTROLS ONLY AND ALL GRADING IS TO BE SMOOTH, FLOWING AND CONTINUOUS FOR POSITIVE DRAINAGE AWAY FROM THE BUILDING AND VISUAL EFFECT.
- ALL NEW CONCRETE SIDEWALKS, CURBS AND/OR GUTTERS SHALL BE INSTALLED AT AN EXISTING JOINT WITH EXPANSION JOINT MATERIAL AND SEALANT TO PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING CONSTRUCTION.
- VERIFY FINISH CURB ELEVATIONS BEFORE INSTALLATION TO ASSURE POSITIVE DRAINAGE AND TO ALIGN WITH EXISTING.
- ALL UNPAVED AREAS DISTURBED SHALL BE SODDED ON REDISTRIBUTED TOPSOIL.
- EXISTING ASPHALT AREAS DAMAGED BY CONSTRUCTION SHALL BE REPAIRED WITH 5" SOLID ASPHALT AT NO COST TO THE OWNER. PRIOR TO START OF CONSTRUCTION, GENERAL CONTRACTOR SHALL DOCUMENT DETERIORATED AREAS TO BE PREPARED PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL NEW ASPHALT AND PATCHED AREAS SHALL PROVIDE SMOOTH TRANSITION BETWEEN NEW AND EXISTING SURFACES WITHOUT DIPS, HUMPS OR BUMPS.

FINISH NOTES

- INTENT OF THE CONTRACT DOCUMENTS ARE DEFINED FOR FINISHES AS A COMPLETED AND FINISHED AESTHETIC APPEARANCE CONSISTENT WITH THE DETAILS, MATERIALS AND PERFORMANCE DESCRIPTION THAT THEY INFER.
- ALL MATERIALS ARE NOT ALL NOTED BY WORDS. IT IS INTENDED THAT THEY ARE UNDERSTOOD BY THE MATERIAL SYMBOL DRAWN. WHERE A CONDITION IS NOTED "TYPICAL" (TYP) IT IS UNDERSTOOD THAT ALL SIMILAR CONDITIONS ARE TO BE CONSTRUCTED OF THE SAME MATERIALS AND/OR DIMENSION.
- ALL DIMENSIONS ARE TO THE FACE OF MASONRY, STUDS AND FURRING OR TO THE CENTER LINE OF STRUCTURAL STEEL.
- ALL EXTERIOR STEEL SHALL BE GALVANIZED.
- PAINT ALL EXPOSED STEEL COLUMNS, BEAMS, DECK AND EXPOSED BRACKETS & FASTENERS.
- ALL PLYWOOD SHEATHING SHALL BE FIRE-RETARDANT TREATED WOOD.
- PROVIDE WATER BASED EXTERIOR GRADE CLEAR SEALER ON WESTERN RED CEDAR MEMBERS.

DISCLAIMER

I HEREBY SPECIFY THAT THE DOCUMENTS INTENDED TO BE AUTHENTICATED BY MY SEAL ARE LIMITED TO:

BIDDING DOCUMENTS, CONTRACT DOCUMENTS, DRAWING SHEETS COVER, G0.20, AND A1.10, ARCHITECTURAL ONLY.

I HEREBY DISCLAIM ANY RESPONSIBILITY FOR ANY SOILS, CIVIL, LANDSCAPE AND STRUCTURAL DESIGN FOUND IN THE REMAINDER AS BEING THE RESPONSIBILITY OF OTHER DESIGN PROFESSIONALS WHOSE SEALS APPEAR HEREINAFTER.



WORK BY OWNER

THE FOLLOWING ITEMS ARE NOT INCLUDED AS PART OF THE CONSTRUCTION CONTRACT AS DESCRIBED HEREIN AND IN THE PROJECT SPECIFICATIONS, HOWEVER SHOULD BE CONSIDERED FOR COORDINATION PURPOSES. SEE OWNER FOR SPECIFIC REQUIREMENTS AND CONTACTS FOR COORDINATION:

- FURNISHINGS AND EQUIPMENT
- THIRD-PARTY BUILDING CODE REQUIRED SPECIAL INSPECTIONS

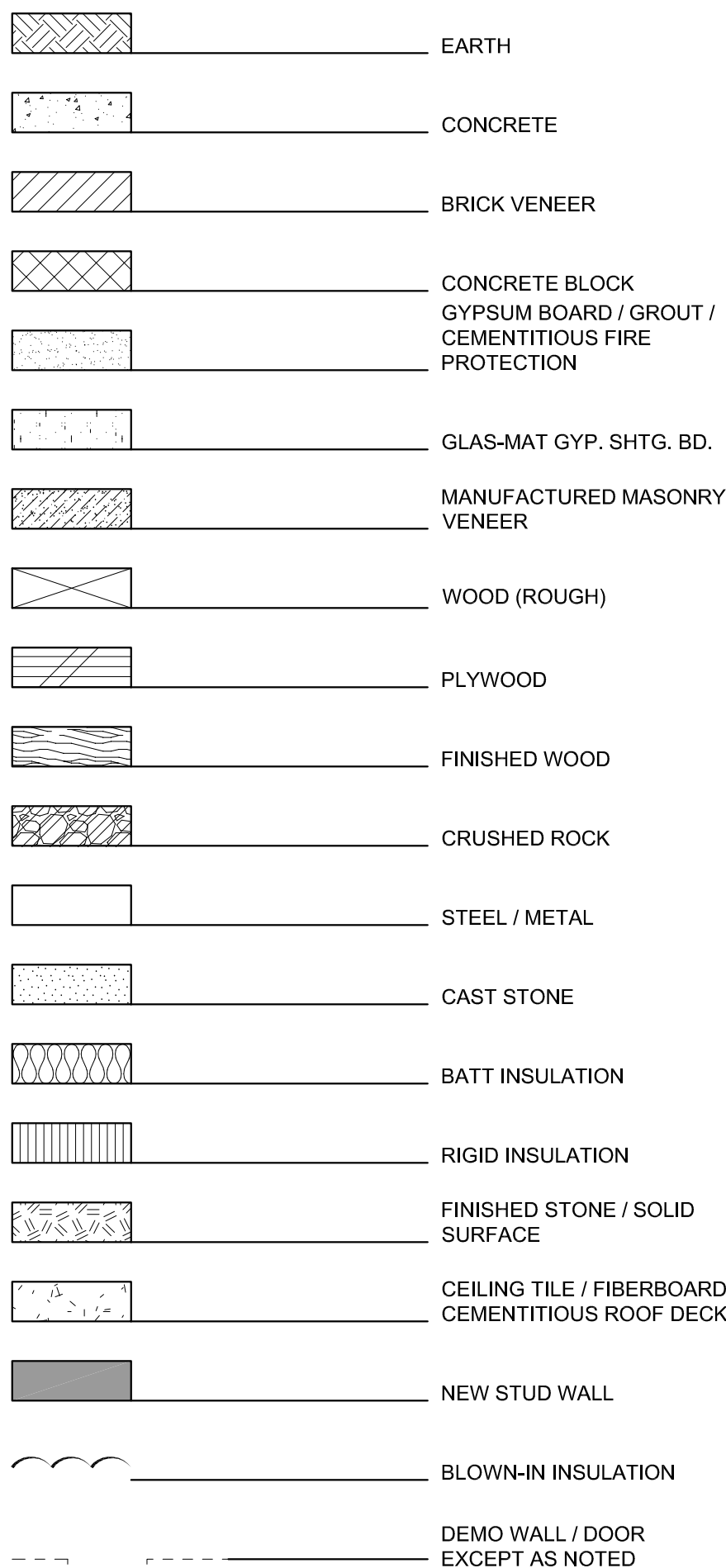
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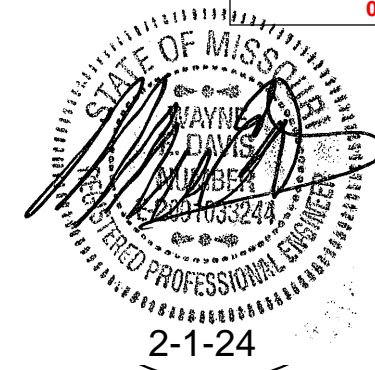


NOT ALL MATERIALS ARE INDICATED ON THE SYMBOL LEGEND. THOSE MATERIALS NOT NOTED ABOVE ARE INDICATED ON SPECIFIC DETAILS, SECTIONS, OR ELEVATIONS.

NOT ALL SYMBOLS ARE NOTED, WHERE SYMBOLS ARE NOT NOTED, IT IS UNDERSTOOD THAT THE SYMBOL IS THE SAME AS IDENTICAL SYMBOLS NOTED.

ABBREVIATIONS

@	AT	DBL.	DOUBLE	GL.	GLASS	NOM.	NOMINAL	SIM.	SIMILAR
A.B.	ANCHOR BOLT	D.F.	DRINKING FOUNTAIN	G. & N.	GLUE & NAIL	N.T.S.	NOT TO SCALE	SPEC.	SPECIFICATION
ACOUST.	ACOUSTICAL	DIA.	DIAMETER	GRD.	GRADE	O.C.	ON-CENTER	SQ.	SQUARE
A.D.A.	AMERICANS WITH DISABILITIES ACT	DIAG.	DIAGONAL	GYP.	GYPSUM	O.D.	OUTSIDE DIAMETER	S.S.	STORM SEWER / SERVICE SINK / STAINLESS STEEL
ADJ.	ADJUSTABLE / ADJACENT	DN.	DOWN	H/C	HANDICAPPED	OH.	OVERHEAD	OPNG.	OPENING
A.F.F.	ABOVE FINISHED FLOOR	DP.	DEEP	H.D.	HOLLOW CORE	OZ.	OUNCE	O.	OUNCE
ALT.	ALTERNATE	DR.	DOOR	HDR.	HEADER	P.C.	PRECAST	PL.	PLATE
ALUM.	ALUMINUM	D.S.	DOWN SPOUT	HDWD.	HARDWOOD	P.C.	PLASTIC COATED	STL.	STEEL
ANOD.	ANODIZED	DTL.	DETAIL	H.M.	HOLLOW METAL	P.C.	PREMOLDED	STRUC.T.	STRUCTURE / STRUCTURAL
APPROX.	APPROXIMATE / APPROXIMATELY	D/W.	DRYWALL CHANNEL	HORZ.	HORIZONTAL	P.E.J.	EXPANSION JOINT	SUSP.	SUSPENDED / SUSPENSION
ARCH.	ARCHITECT / ARCHITECTURAL	DWG.	DRAWING	HR.	HOUR	P.F.	PRE-FINISHED	SYST.	SYSTEM
ASPH.	ASPHALT	EA.	EACH	HTR.	HEATER	P.L.	PROPERTY LINE	T	TREAD
A.V.L.	AUDIO, VIDEO & LIGHTING	E.D.F.	ELECTRIC DRINKING FOUNTAIN	HT.	HEIGHT	P.L.	PROPERTY LINE	T & B.	TOP & BOTTOM
B.C.S.	BABy CHANGING STATION	E.I.F.S.	EXTERIOR INSULATED FINISH SYSTEM	I.A.	INSIDE DIAMETER	PLAS. LAM.	PLASTIC LAMINATE	T & G.	TONGUE & GROOVE
BD.	BOARD	E.J.	EXPANSION JOINT	IN.	INCH / INCHES	PLUMB.	PLUMBING	TEMP.	TEMPERED / TEMPORARY
BLDG.	BUILDING	ELECT.	ELECTRICAL	INST.	INSTRUCTIONS	PLYWD.	PLYWOOD	THK.	THICK
BLK.	BLOCK	E.P.D.M.	ETHYLENE PROPYLENE DIENE MONOMER	INT.	INTERIOR	PR.	PAIR	T.O.	TOP OF
BLKG.	BLOCKING	E.P.S.	EXPANDED POLYSTYRENE	JAN.	JANITOR	PRE-FAB.	PRE-FABRICATED	T.P.	TOILET PAPER
BM.	BEAM	EQUIP.	EQUIPMENT	JST.	JOIST	PROJ.	PROJECT / PROJECTOR / PROJECTION	T.S.	TUBE STEEL
B/O	BY OTHERS	E.W.C.	ELECTRIC WATER COOLER	JT.	JOINT	PT.	PAPER TOWEL	TYP.	TYPICAL
B.O.	BOTTOM OF	EXIST.	EXISTING	LAM.	LAMINATED	U.N.O.	UNLESS NOTED OTHERWISE	U.N.O.	UNLESS NOTED OTHERWISE
BOT.	BOTTOM	EXP.	EXPANSION	LAV.	LAVATORY	P.T.	PAINTED	V.C.T.	VINYL COMPOSITION TILE / VITREOUS GLAY
BRG.	BEARING	E.W.	EACH WAY	LG.	LONG	PVC.	POLYVINYL CHLORIDE	TILE	TILE
B.T.U.	BRITISH THERMAL UNIT	E.W.C.	ELECTRIC WATER COOLER	LOC.	LOCATION / LOCATE	R.	RADIUS / RISER	VERT.	VERTICAL
BTWN.	BETWEEN	EXIST.	EXISTING	L.T.	LIGHT	R.B.	RUBBER BASE	V.W.C.	VINYL WALL COVERING
B.U.	BUILT-UP (ROOF)	EXT.	EXTERIOR	L.V.A.	LUXURY VINYL TILE	R.C.	ROUGH CEDAR	W.	WASHER / WIDTH / WIDE
C	CENTER LINE	F.L.	FLOOR LINE	MANUF.	MANUFACTURED	R.D.	ROOF DRAIN	W/	WITH
CAB.	CABINET	FAB.	FABRICATE / FABRICATED	MAS.	MASONRY	REC.	RECESSED	W.C.	WATER CLOSET
CARP.	CARPET	F.D.	FLOOR DRAIN	MATL.	MATERIAL	REF.	REFRIGERATOR	WD.	WOOD
C.J.	CONTROL JOINT	FDN.	FOUNDATION	MAX.	MAXIMUM	REINF.	REINFORCED	W.F.	WIDE FLANGE
CLG.	CEILING	F.E.C.	FIRE EXTINGUISHER	M.C.J.	MASONRY CONTROL JOINT	RELOC.	RELOCATE / RELOCATED	WIN.	WINDOW
C.M.U.	CONCRETE MASONRY UNIT	FIN.	FINISH / FINISHED	M.E.C.	MASONRY CONTROL JOINT	REMOV.	REMOVE / REMOVABLE	W.P.	WATERPROOF
C.O.	CLEAN OUT / CASSED OPENING	FLR.	FLOOR	M.O.	MEDIUM DENSITY OVERLAY	REQD.	REQUIRED	W.R.B.	WEATHER RESISTIVE BARRIER
COL.	COLUMN	FLRG.	FLOORING	MECH.	MECHANICAL	REQMT.	REQUIREMENT	WT.	WEIGHT
COMP.	COMPOSITION	FLSHG.	FLASHING	MEMB.	MEMBRANE	RNG.	RANGE	W.W.F.	WOVEN WIRE FABRIC
CONC.	CONCRETE	F.R.	FIRE-RATED	MFR.	MANUFACTURER	R.O.	ROUGH OAK / ROUGH OPENING		
CONN.	CONNECTION	FT.	FOOT	MIN.	MINIMUM / MINUTE	R.S.	ROUGH SAWN		
CONST.	CONSTRUCTION	F.T.	FOOTING	MISC.	MISCELLANEOUS	R.S.C.	ROUGH SAWN CEDAR		
CONT.	CONTINUOUS	F.V.	FIELD VERIFY	MNTG.	MOUNTING	S.&V.	STAIN & VARNISH		
CONTR.	CONTRACTOR	GA.	GAUGE	M.O.	MASONRY OPENING	S.C.	SCHEDULE		
COORD.	COORDINATE	GALV.	GALVANIZED	MTD.	MOUNTED	SCHED.	SCHEDULE		
C.R.	CRUSHED ROCK	G.B.	GRAB BARS	MTL.	METAL	SECT.	SECTION		
C.S.	COUNTER SINK / CAST STONE / CUT STONE	G.C.	GENERAL CONTRACTOR	N	NORTH	S.F.	SQUARE FOOT		
C.T.	COUNTER TOP			NAT.	NATURAL	SHT.	SHEET		
D.	DRYER			N.I.C.	NOT IN CONTRACT	SHTG.	SHEATHING		
				NO. / #	NUMBER				



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CHECKED BY: WED

REVISIONS:

SHEET No.

S1.10
GENERAL NOTES,
STRUCTURAL PLANS
AND DETAILS

1. General Information

- A. The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.
- B. 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. In the case of work in an existing building the contractor shall scan existing structure to locate all rebar in the area of the new core/opening using ground penetrating radar and notify the engineer of record for review prior to coring/cutting. Conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.
- C. All design and construction work for this project shall conform to the requirements of the following governing design codes:
- 1.) International Building Code (IBC 2018) as amended by the city of Lee's Summit, MO.
 - 2.) Minimum Design Loads for Buildings and Other Structures (ASCE7-16)
 - 3.) Specification for Structural Steel Buildings (AISC 360-16)
Member Design Basis is Allowable Stress Design (ASD)
Connection Design Basis is Allowable Stress Design (ASD)
 - 4.) Structural Welding Code (AWS D1.4-2017)
 - 5.) Building Code Requirements for Structural Concrete (ACI 318-14)
- D. These drawings are for this specific project and no other use is authorized.

2. Concrete

- A. All concrete for foundations (walls, grade beams, footings and piers) shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 500 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. All concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 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. Combined aggregate (coarse plus fine) 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. Submit this gradation report with the concrete mix design shop drawings.
- 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 144 square feet, or 12 feet on any side. Slab panel side ratio shall not exceed 1 1/2 to 1.
- H. Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement.
- I. No aluminum items shall be embedded in any concrete.

3. 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 coverage of concrete over reinforcing steel shall be as follows:
- 1.) Concrete placed against earth: 3"
 - 2.) Formed concrete against earth: 2"
 - 3.) Slabs: 1"
 - 4.) Beams or Columns: 1-1/2"
 - 5.) Other: 2"
- All coverage shall be nominal bar diameter minimum.
- C. 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.

4. Structural Steel

- A. All structural steel beams and columns shall be ASTM A992, grade 50 steel and all miscellaneous steel shall be ASTM A36 grade steel (except at moment connections where plates shall be ASTM A572, grade 50). Hollow Structural Sections (HSS) shall be ASTM A500, 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 exterior steel and connections shall be hot-dip galvanized.
- D. All bolts not otherwise specified shall be 3/4" diameter high strength (ASTMA325-N). All bolts shall be fully pretensioned. All beam connections shall be designed per the AISC Manual of Steel Construction "Framed Beam Connections" for the indicated reactions or at least 0.4 x beam total shear capacity, $\sqrt{V_n/\Omega}$, shown in the maximum total uniform load tables, whichever is greater; and, shall account for eccentricity when the bolt line is more than 2" from the center of the support. All connections must be two bolt minimum. Connection design and shop drawing preparation shall be completed under the direct supervision of a professional engineer licensed in the state the project is located and shop drawings and connection calculations shall bear his seal.
- E. All anchor bolts shall be 1" diameter, ASTM F1554, Grade 36 unless noted otherwise. Washers of minimum size and thickness for the given anchor diameter in Table 14-2 of the AISC Steel Construction Manual shall be provided at every column anchor bolt. Washers shall have a standard size hole for the anchor bolt. At braced frames washers shall be welded all around to the column base plate with 3/16" fillet weld.

5. Deferred Submittal and Shop Drawing

- 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. Deferred submittals shall be submitted to the architect of record for review who shall forward to the building official for review and approval. Design calculations for deferred submittals shall be submitted at the same time as the shop drawings for review. Design calculations shall be prepared and sealed by a Professional Engineer licensed in the state of the project. The deferred submittal items shall not be installed until the deferred submittal documents have been approved by the building official.
- C. 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.
- D. 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.
- 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.
- F. 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 joist, decking and connector submittals. 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.

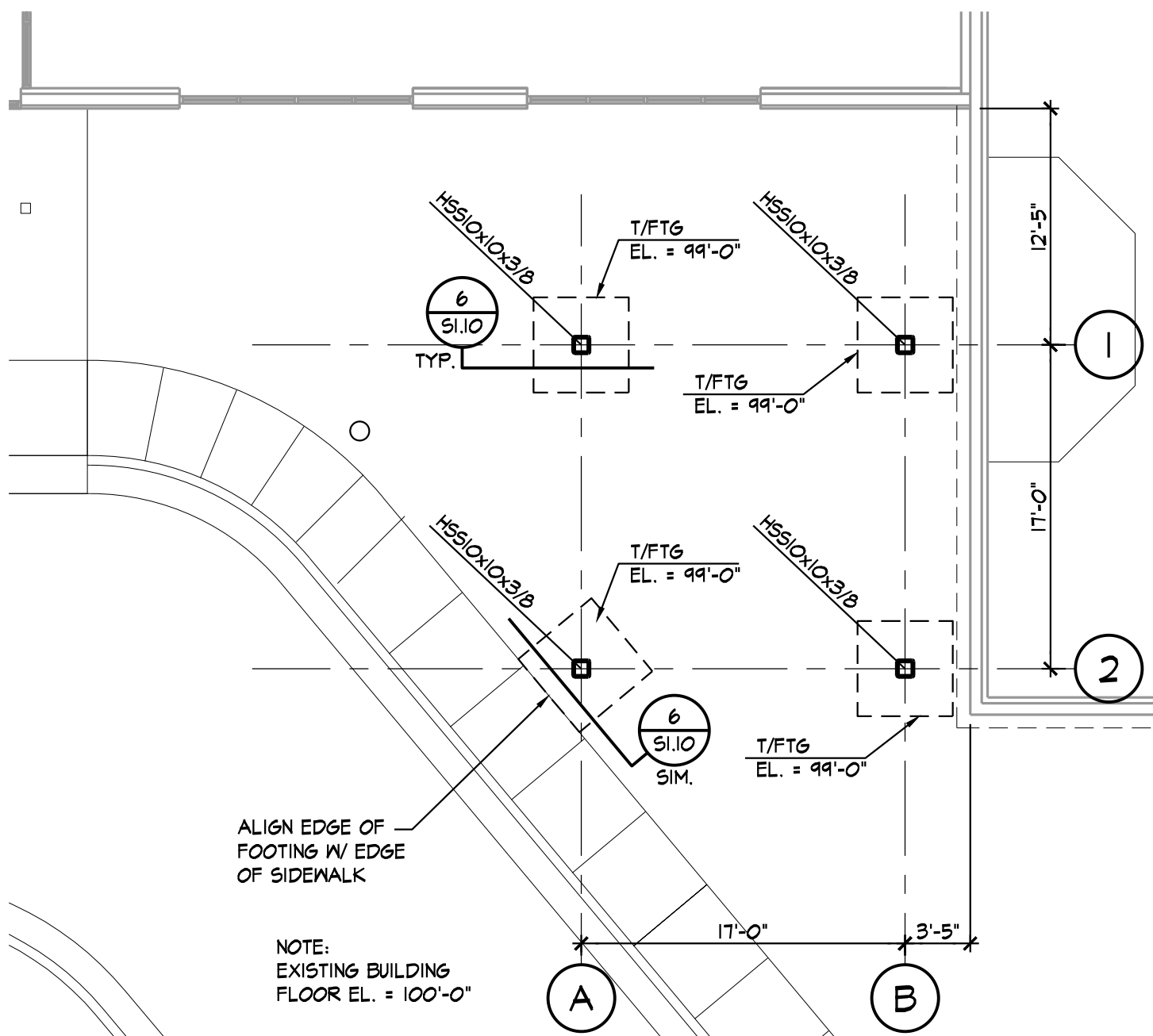
6. Statement of Structural Special Inspections

- A. The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.
- B. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person.
- C. 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.
- D. 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.
- E. The following inspections and tests are required with the frequency (continuous or periodic) as defined within the referenced section or standard listed 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.

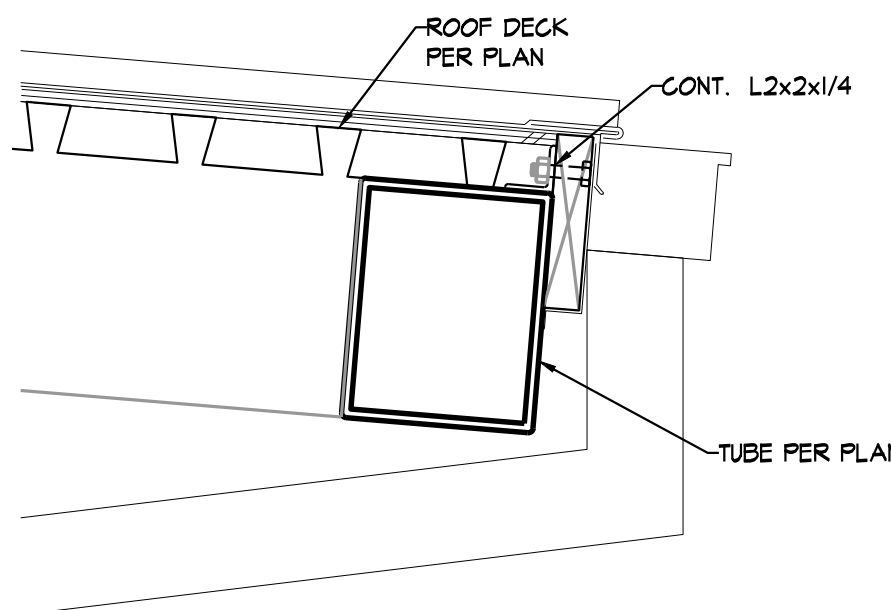
1. Shop Fabrication - structural steel per Section 1704.2.5 unless AISC certified shop
2. Concrete Construction per Section 1705.3 and Table 1705.3
 - a. Reinforcing Steel Placement
 - b. Cast in Place Anchors
 - c. Design Mix Verification
 - d. Concrete Sampling and Testing
 - e. Concrete Placement
 - f. Concrete Curing
3. Verification of Soils per Table 1705.6

7. Copyright and Disclaimer

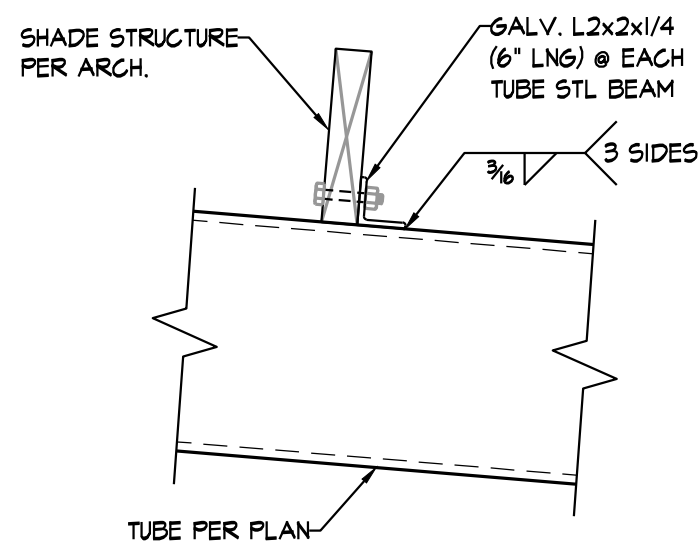
- A. All drawings in the structural set (S-series drawings) are the copyrighted work of Bob D. Campbell and company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed 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, Wayne E. Davis, 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.



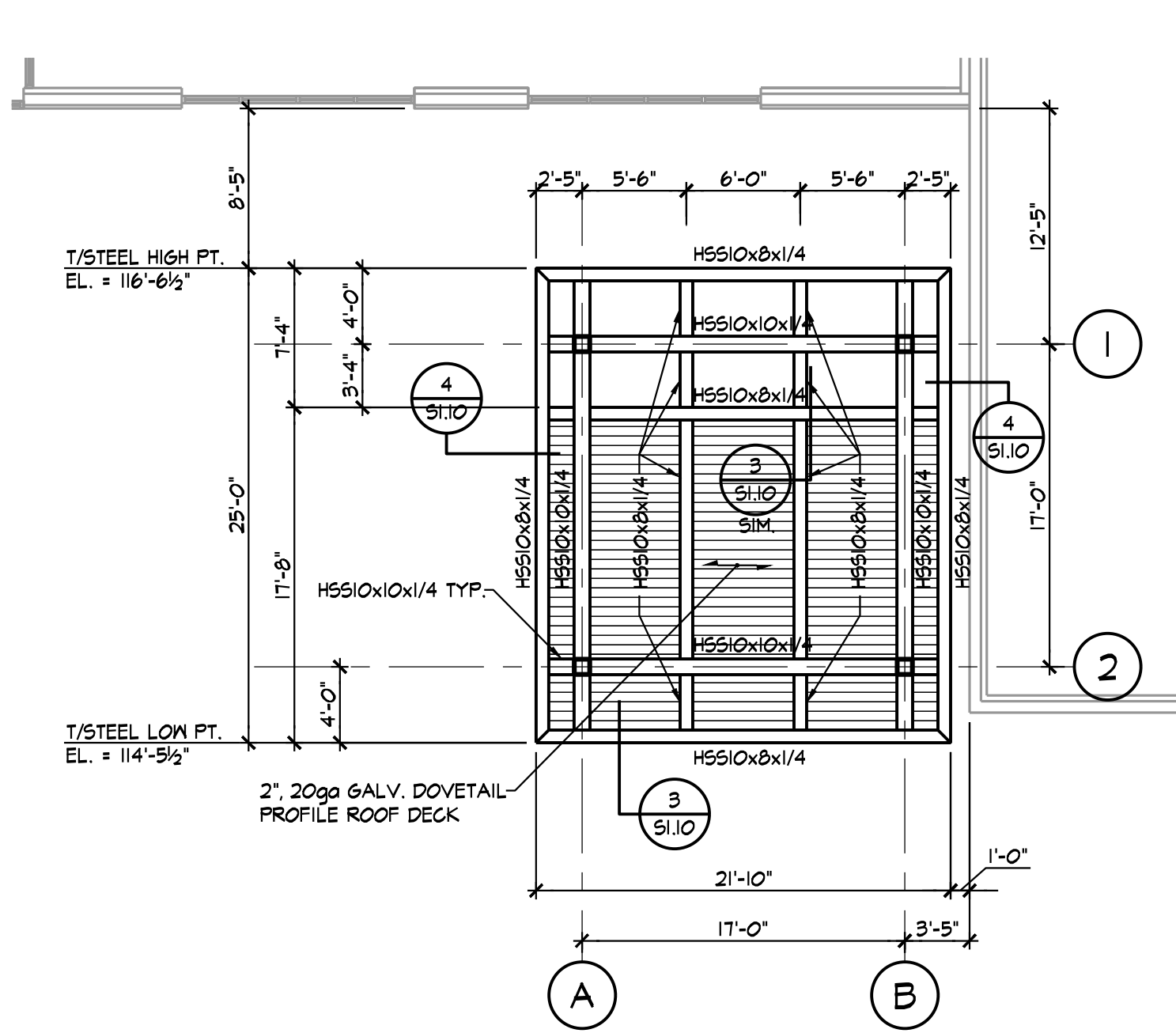
1 FOUNDATION PLAN
1/8" = 1'-0"



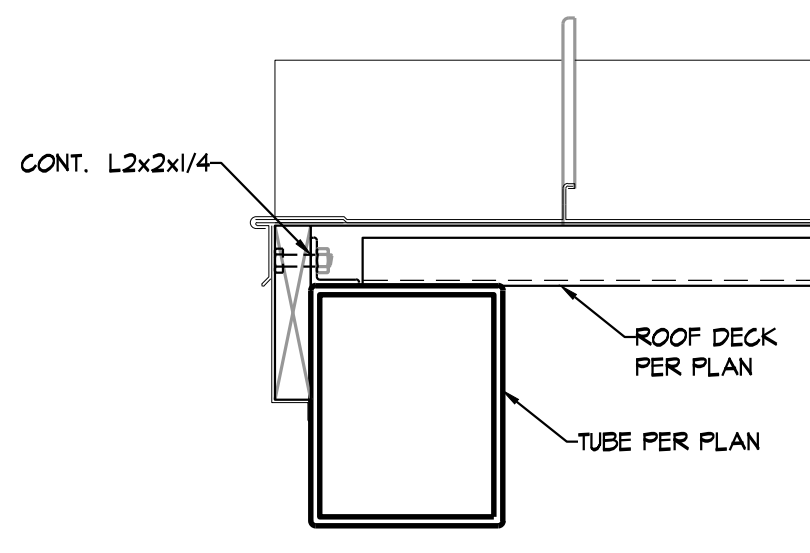
SECTION 3
1/8" = 1'-0"



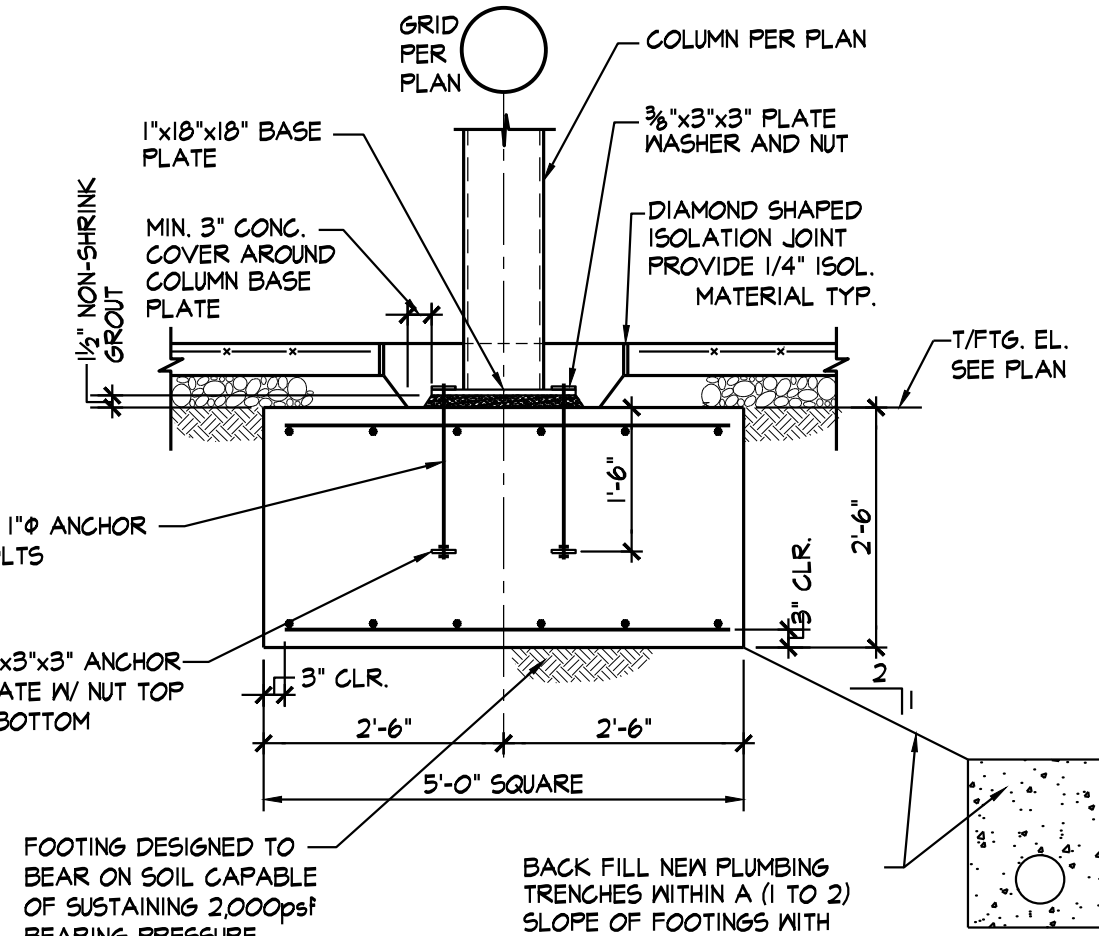
**SHADE STRUCTURE
ATTACHMENT DETAIL**
1/8" = 1'-0"



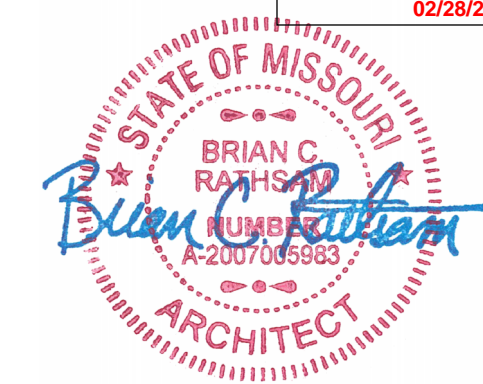
2 ROOF FRAMING PLAN
1/8" = 1'-0"



SECTION 4
1/8" = 1'-0"



SECTION 6
1/8" = 1'-0"



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CANOPY ADDITION FOR:
THE SUMMIT CHURCH
3381 NW CHIPMAN ROAD
LEE'S SUMMIT, MO 64081

PROJECT #: 23-894
ISSUE DATE: 2/01/2024
DRAWN BY:
CHECKED BY: BCR
REVISIONS:

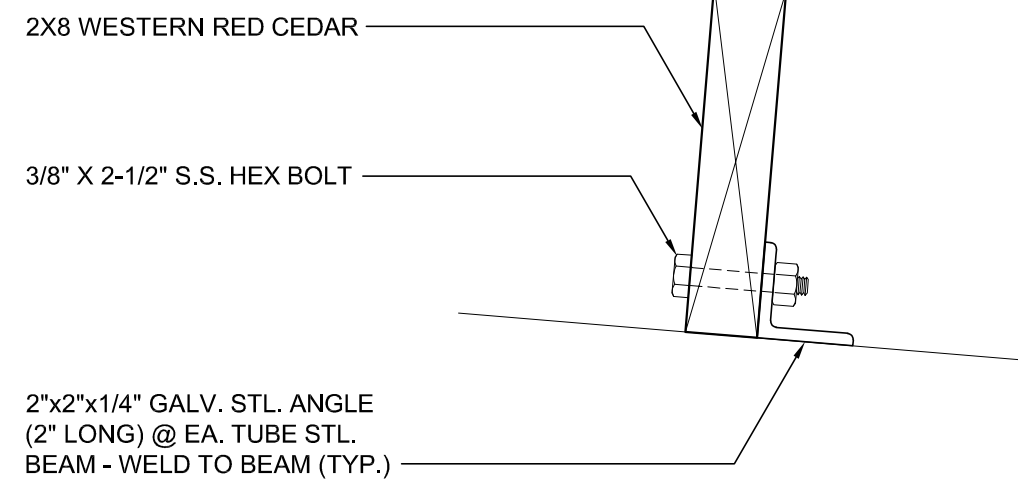
SHEET No.
A1.10
FLOOR PLAN / REFLECTED
CEILING PLAN / ROOF PLAN
CODE SUMMARY

CODE SUMMARY

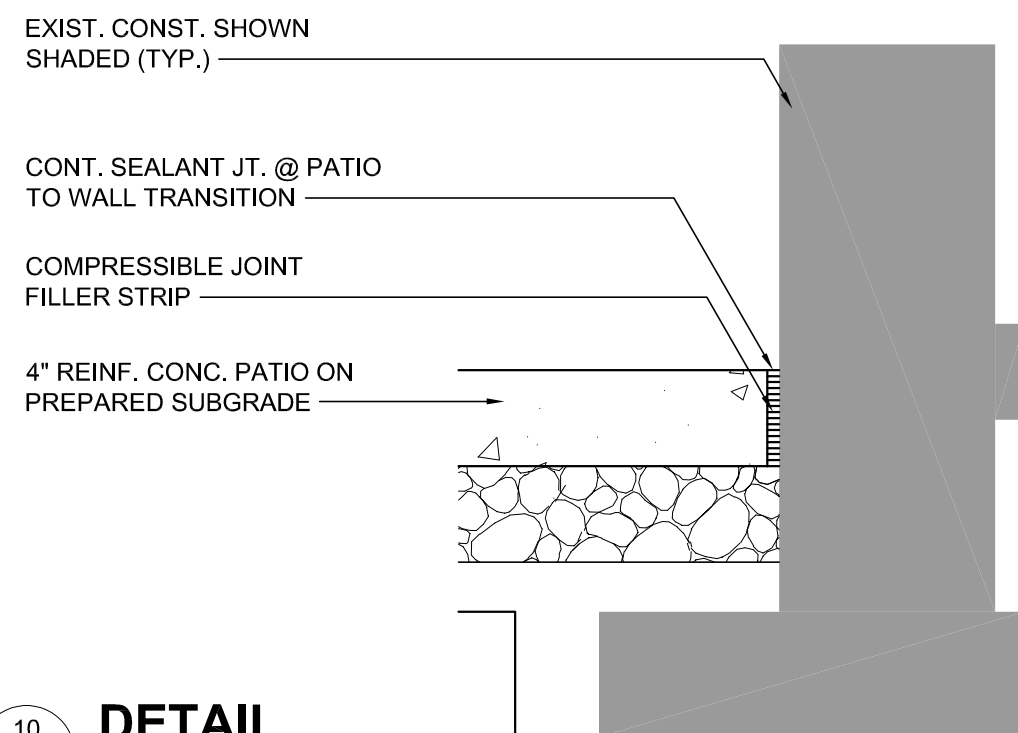
APPLICABLE CODES

INTERNATIONAL BUILDING CODE, 2018 EDITION
INTERNATIONAL EXISTING BUILDING CODE, 2018 EDITION
NATIONAL ELECTRICAL CODE, 2017 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE, 2018 EDITION
INTERNATIONAL FIRE CODE, 2018 EDITION
INTERNATIONAL FUEL GAS CODE, 2018 EDITION
INTERNATIONAL MECHANICAL CODE, 2018 EDITION
INTERNATIONAL PLUMBING CODE, 2016 EDITION
ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, ICC/ANSI A117.1-2017

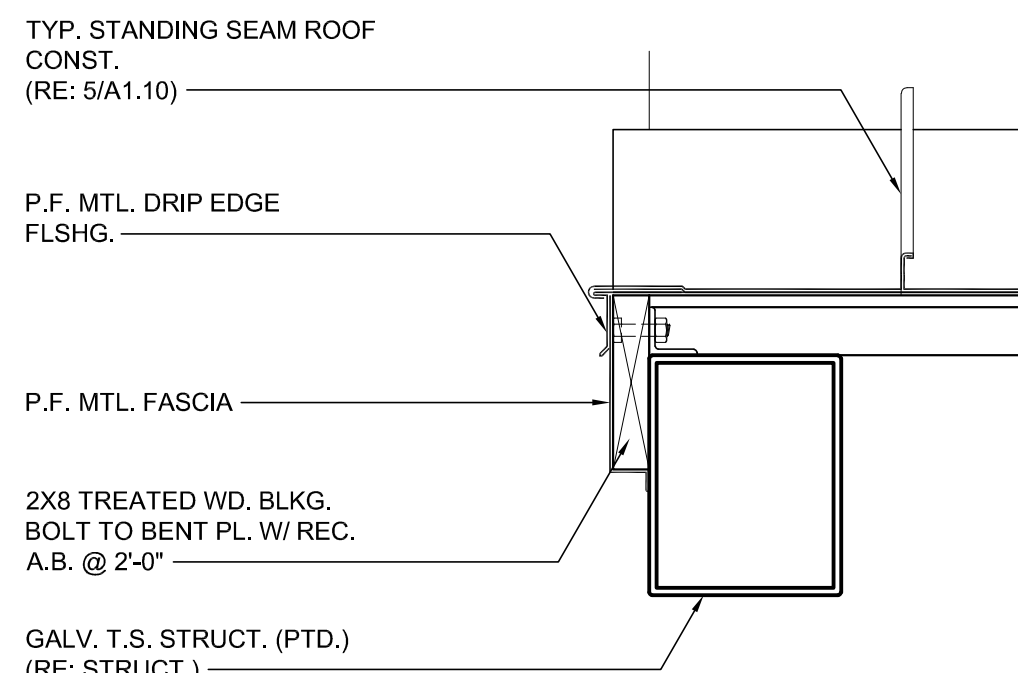
CONSTRUCTION TYPE: IIB



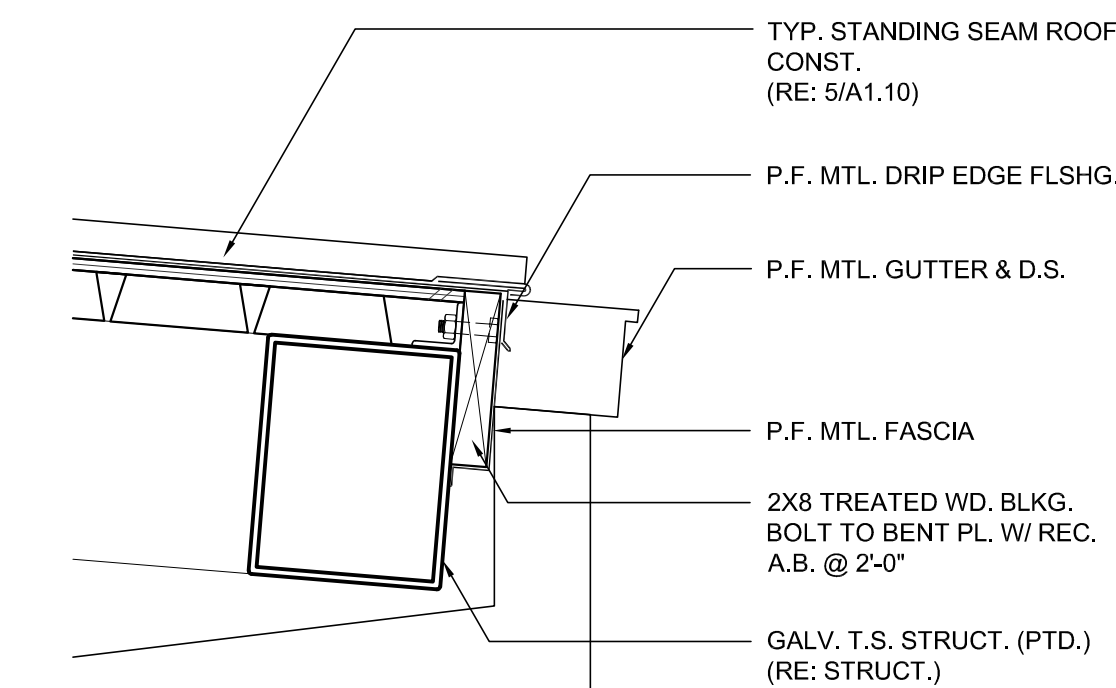
11
A1.10
3" = 1'-0"



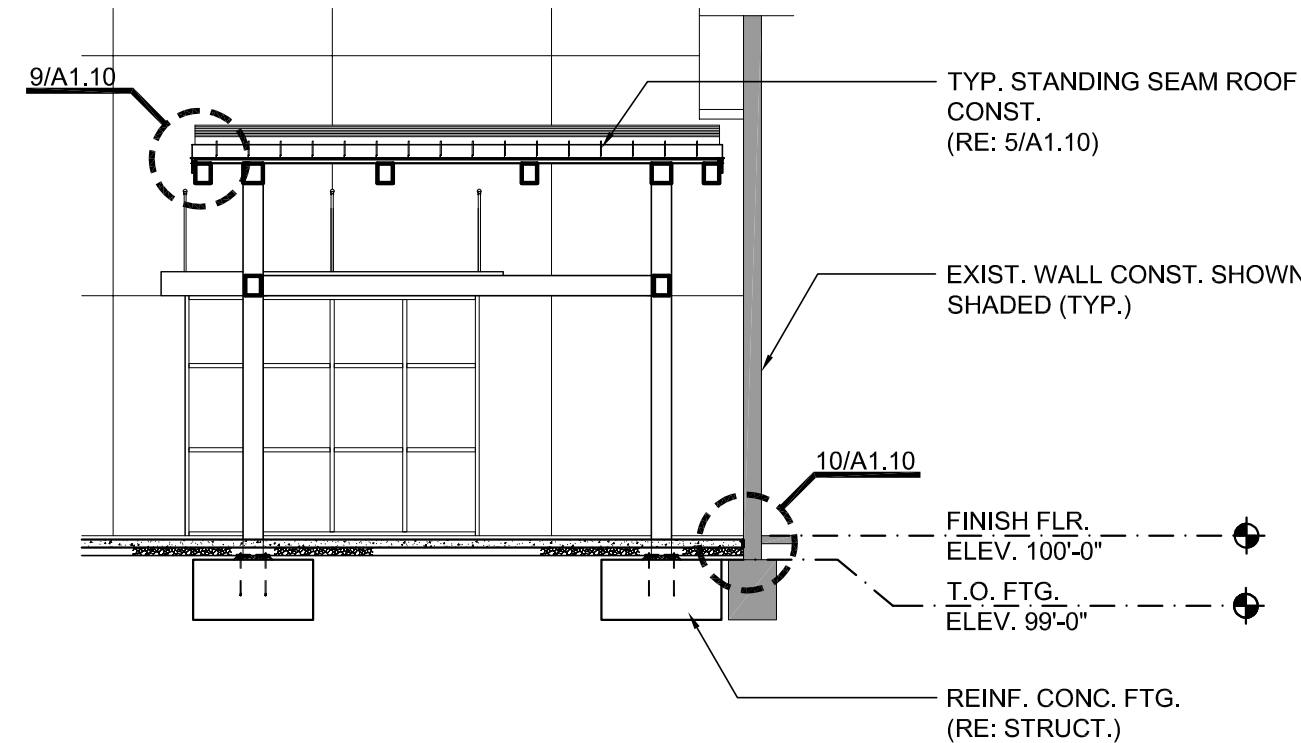
10
A1.10
1-1/2" = 1'-0"



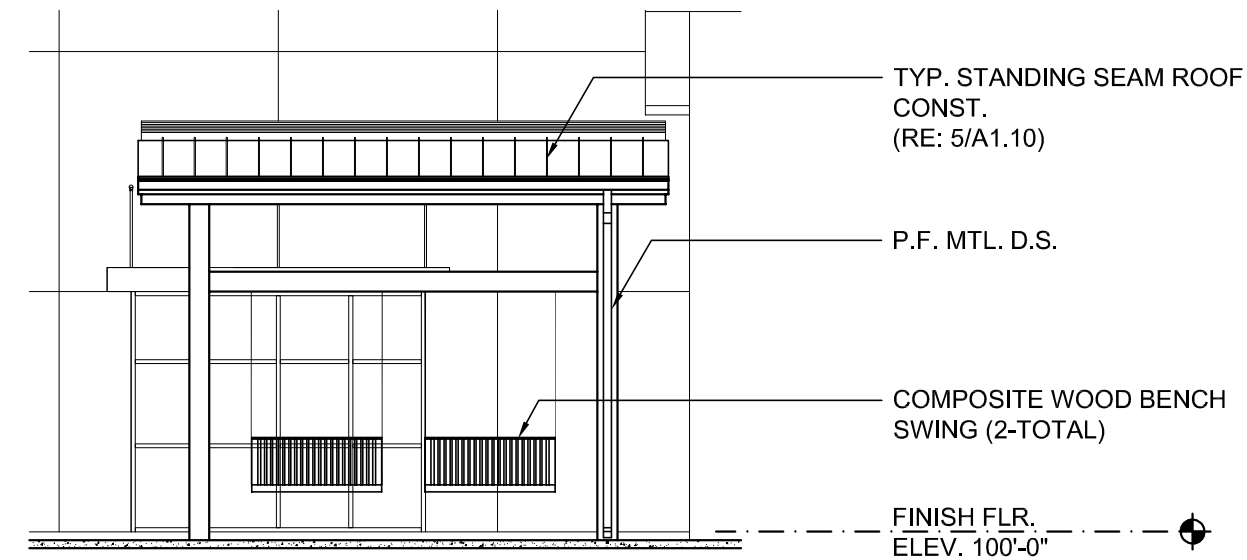
9
A1.10
1-1/2" = 1'-0"



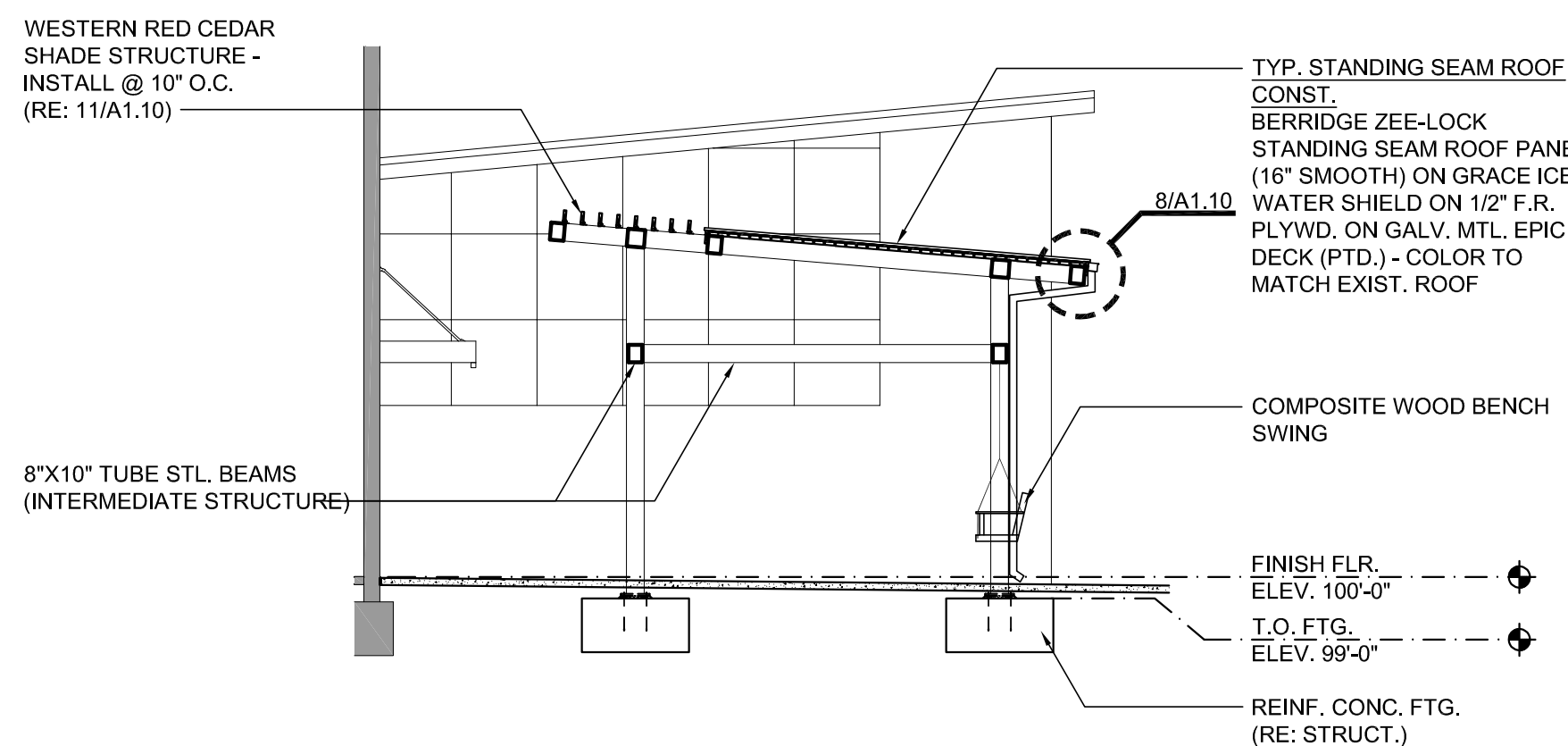
8
A1.10
1-1/2" = 1'-0"



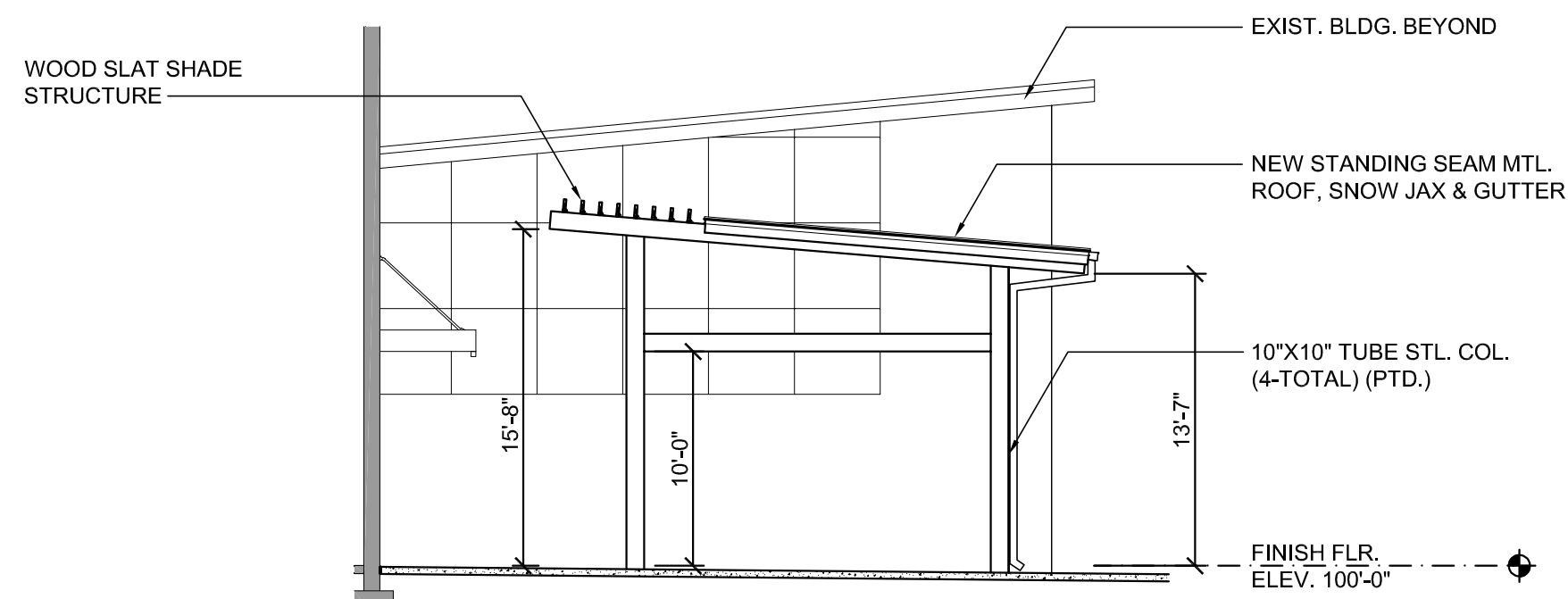
7
A1.10
1/8" = 1'-0"



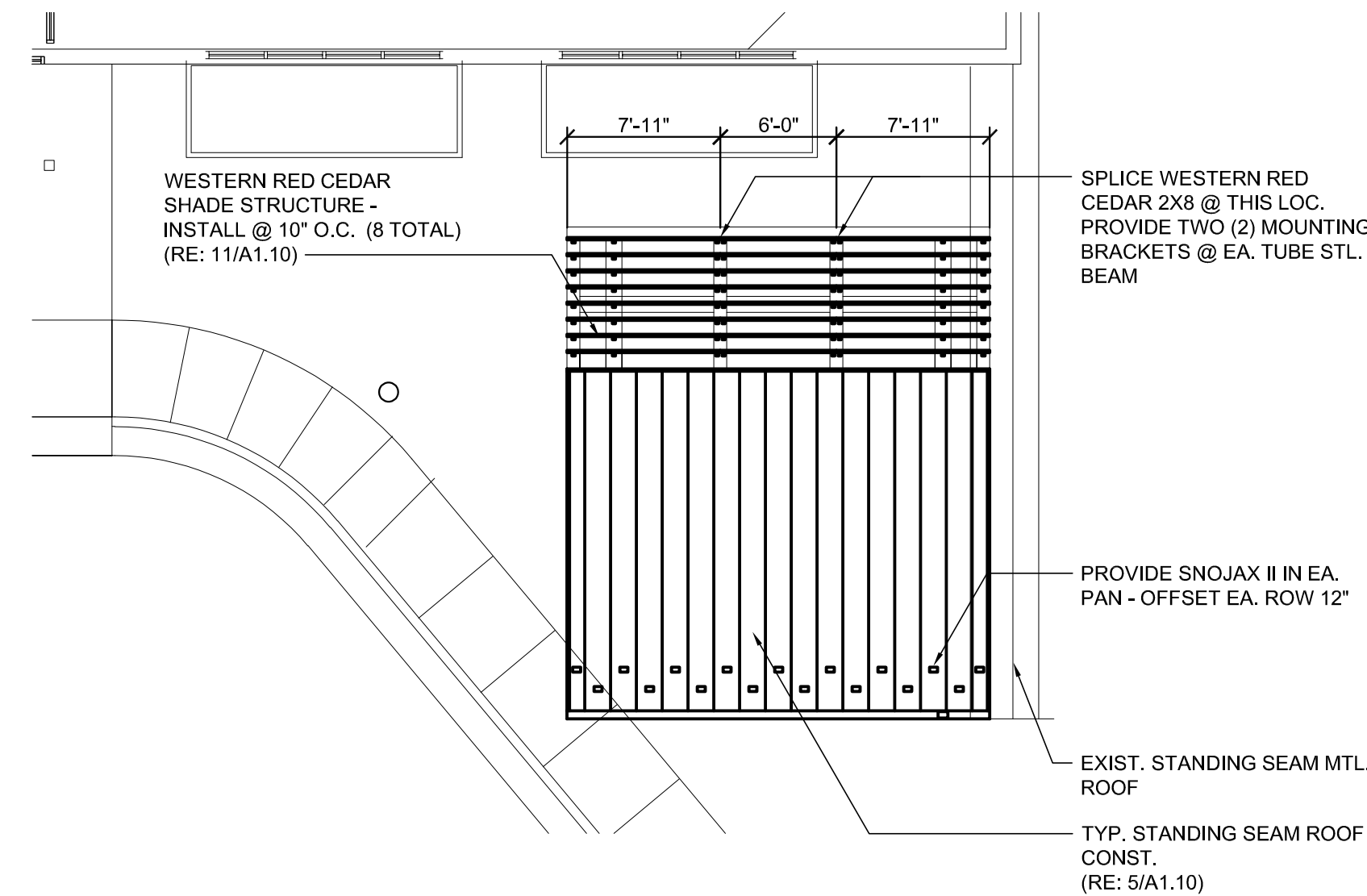
6
A1.10
1/8" = 1'-0"



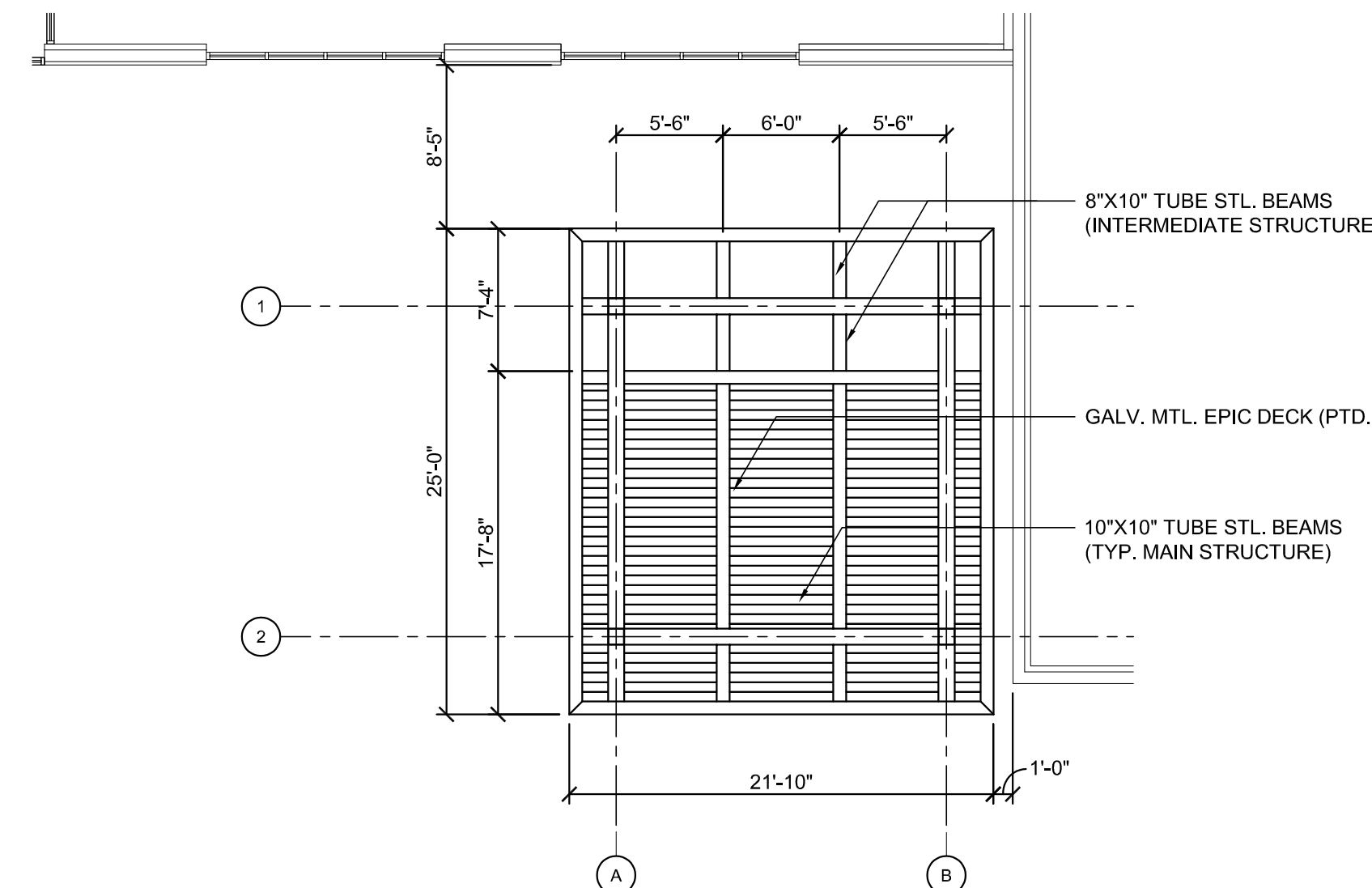
5
A1.10
1/8" = 1'-0"



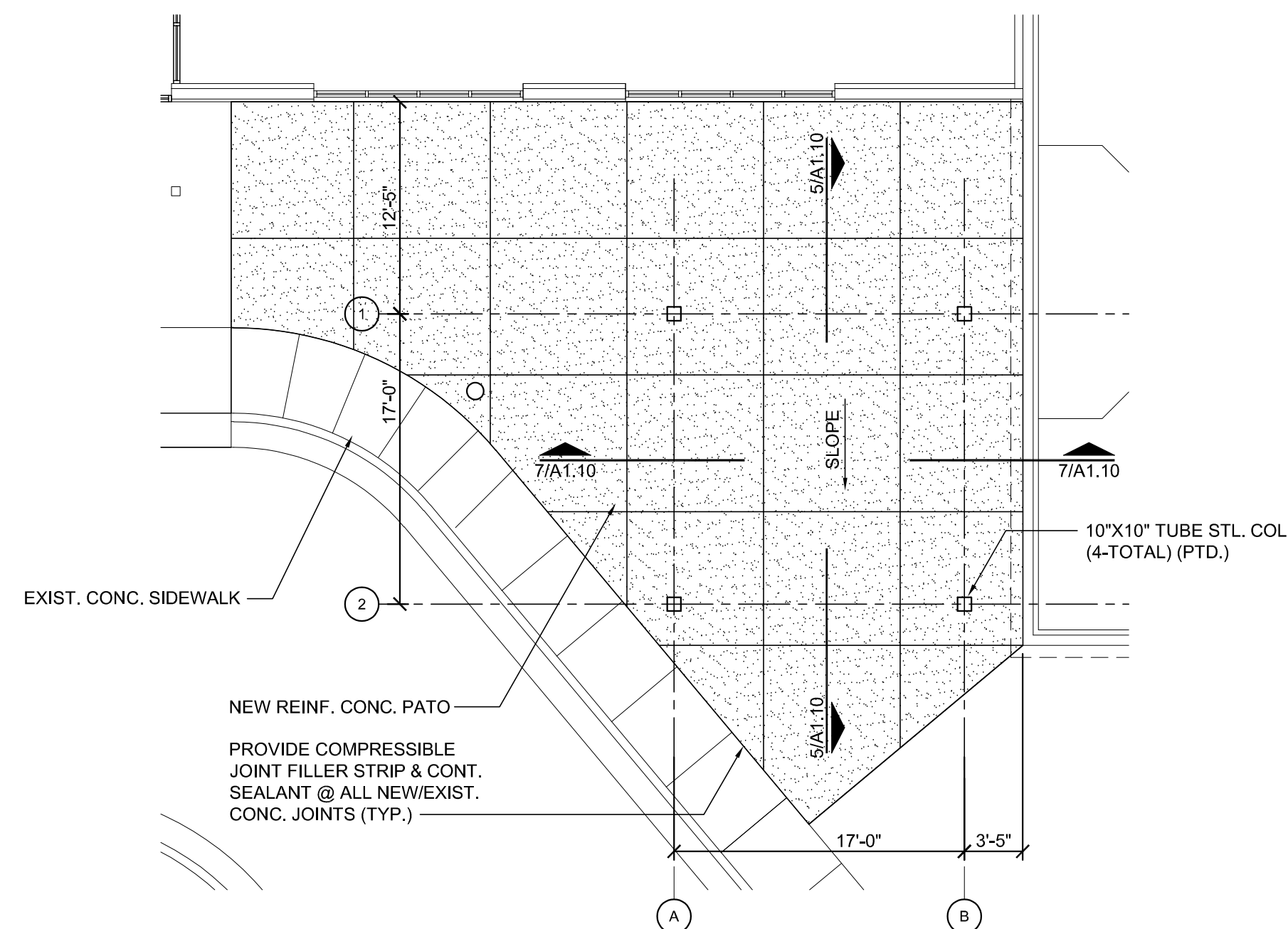
4
A1.10
1/8" = 1'-0"



3
A1.10
1/8" = 1'-0"



2
A1.10
1/8" = 1'-0"



1
A1.10
1/8" = 1'-0"