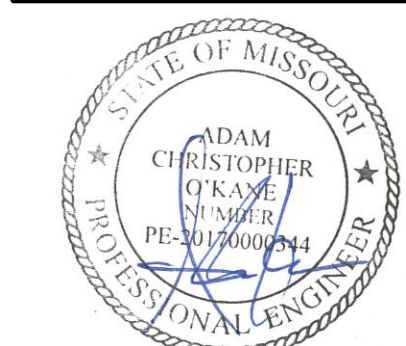




PROFESSIONAL SEAL

S001

ISSUE DATE: 13 JAN. 2023
COLLINS WEBB #: 22030

GENERAL NOTES

REVISION DATES:
1 ADDENDUM 1 07/13/2023

316 DOUGLAS
LEE'S SUMMIT, MO 64063

ARCADE ALLEY - OUTDOOR SPACE

100% PERMIT SET



STANDARD ABBREVIATIONS

ALT.	ALTERNATE
A.B.	ANCHOR BOLT
ARCH.	ARCHITECT
@	AT
BM.	BEAM
BOT.	BOTTOM
B.O.	BOTTOM OF
BLDG.	BUILDING
CL.	CENTER LINE
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONT.	CONTINUOUS
C.J.	CONTROL JOINT
DET.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
DWG(S)	DRAWING(S)
EA.	EACH
ELEV.	ELEVATION
EL.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
EXT.	EXTERIOR
F.S.	FAR SIDE
FIN.	FINISH
FLR.	FLOOR
FTG.	FOOTING
FOUND.	FOUNDATION
GALV.	GALVANIZED
GYP.	GYPSONUM
H.S.	HEADED STUD
HI	HIGH
HORIZ.	HORIZONTAL
INSUL.	INSULATION
INT.	INTERIOR
LOC.	LOCATION
LLH	LONG LEG HORIZONTAL
LLO	LONG LEG OUT
LLV	LONG LEG VERTICAL
LONG.	LONGITUDINAL
LOW	LOW
MSRY.	MASONRY
MAX.	MAXIMUM
MECH.	MECHANICAL
MIN.	MINIMUM
MIR.	MISBRORED
N.S.	NEAR SIDE
N.A.	NOT APPLICABLE
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
PL.	PLATE
R.	RADIUS
REF.	REFERENCE
REINF.	REINFORCING
REQD.	REQUIRED
SCHED.	SCHEDULE
SEC.	SECTION
SHT.	SHEET
SIM.	SIMILAR
SQ.	SQUARE
S.S.	STAINLESS STEEL
STL.	STEEL
T&B	TOP & BOTTOM
T.O.	TOP OF
TRANS.	TRANSVERSE
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
W/	WITH
W/O	WITHOUT

HATCH PATTERN KEY

	= CONCRETE IN SECTION
	= EARTH IN SECTION
	= EPOXY IN SECTION
	= EXISTING IN PLAN AND SECTION
	= GRANULAR FILL IN SECTION
	= GRATING IN PLAN AND SECTION
	= GROUT IN SECTION
	= INSULATION IN SECTION
	= PLYWOOD IN SECTION
	= SNOW DRIFT LOADING IN PLAN
	= STEEL IN SECTION
	= TOPPING IN SECTION
	= WOOD END GRAIN IN SECTION
	= WOOD FACE GRAIN IN SECTION

PLAN SYMBOL KEY

	= FOOTING TYPE (REFER TO FOOTING SCHEDULE)
	= COLUMN TYPE (REFER TO COLUMN SCHEDULE)
	= WOOD WALL TYPE (REFER TO WOOD WALL SCHEDULE)
	= SHEAR WALL TYPE (REFER TO WOOD WALL SCHEDULE)
	= CONCRETE WALL TYPE (REFER TO CONCRETE WALL SCHEDULE)
	= MASONRY WALL TYPE (REFER TO MASONRY WALL SCHEDULE)
	= SHEAR WALL HOLDOWN
	= MOMENT FRAME CONNECTION
	= BEAM SPLICE CONNECTION

WALL TYPE KEY

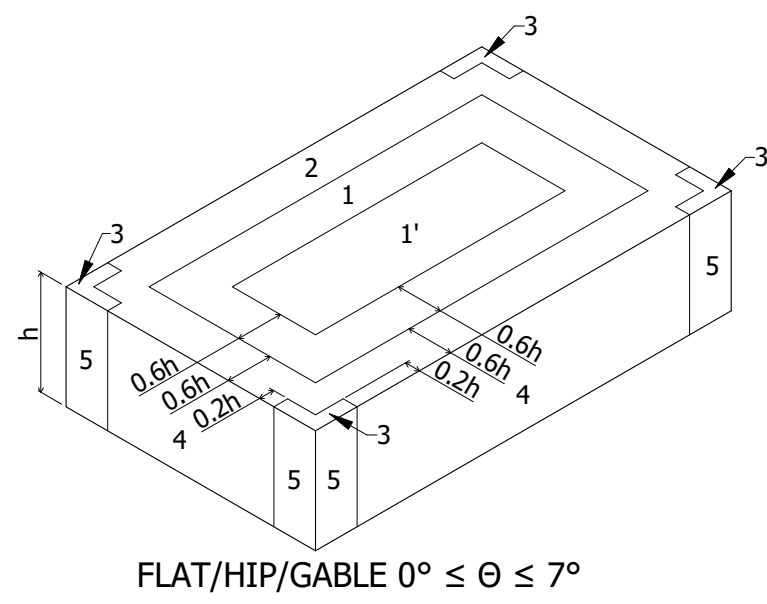
	= LOAD BEARING WALL
	= NON-LOAD BEARING WALL
	= SHEAR WALL

COMPONENTS & CLADDING EXTERNAL PRESSURE ULTIMATE (LRFD) LOADS (PSF)						
EFFECTIVE WIND AREA (SQ. FT.)	LOCATION PER ASCE 7-16					
	1	1'	2	3	4	5
≤ 10	16.0, -42.4	16.0, -24.4	16.0, -55.9	16.0, -76.1	26.6, -28.8	26.6, -35.6
20	16.0, -39.6	16.0, -24.4	16.0, -52.3	16.0, -68.9	25.4, -27.6	25.4, -33.2
50	16.0, -35.9	16.0, -24.4	16.0, -47.5	16.0, -59.5	23.8, -26.0	23.8, -30.0
100	16.0, -33.1	16.0, -24.4	16.0, -44.0	16.0, -52.3	22.6, -24.8	22.6, -27.6

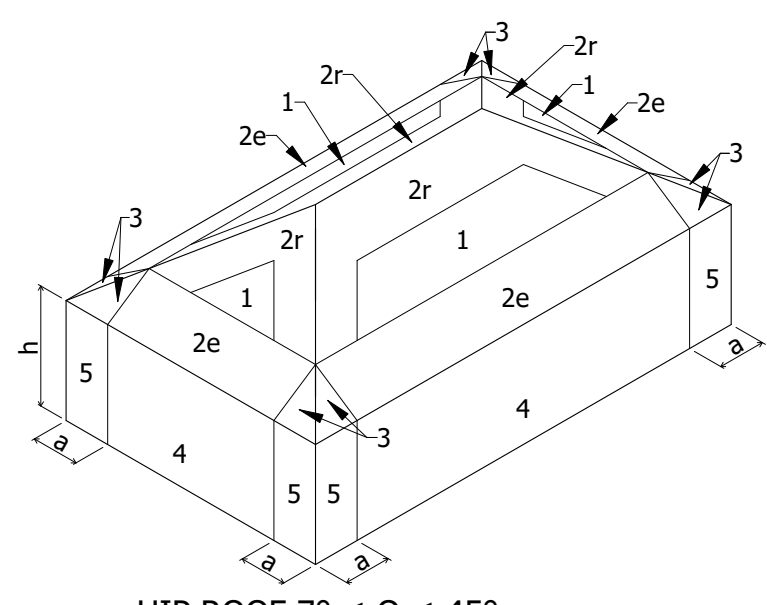
COMPONENTS & CLADDING EXTERNAL PRESSURE ULTIMATE (LRFD) LOADS (PSF)						
EFFECTIVE WIND AREA (SQ. FT.)	LOCATION PER ASCE 7-16					
	1	2e	2r	3	4	5
≤ 10	20.4, -41.9	20.4, -49.2	20.4, -66.8	20.4, -65.2	28.8, -31.3	28.8, -38.6
20	17.8, -36.5	17.8, -38.8	17.8, -55.3	17.8, -49.6	27.5, -30.0	27.5, -36.1
50	16.0, -30.6	16.0, -25.3	16.0, -40.3	16.0, -28.8	25.9, -28.2	25.9, -32.6
100	16.0, -26.0	16.0, -24.0	16.0, -28.8	16.0, -28.8	24.6, -27.0	24.6, -30.0

COMPONENTS & CLADDING EXTERNAL PRESSURE ULTIMATE (LRFD) LOADS (PSF)						
EFFECTIVE WIND AREA (SQ. FT.)	LOCATION PER ASCE 7-16					
	1	2e	2n	2r	3e	3r
≤ 10						
20						
50						
100						

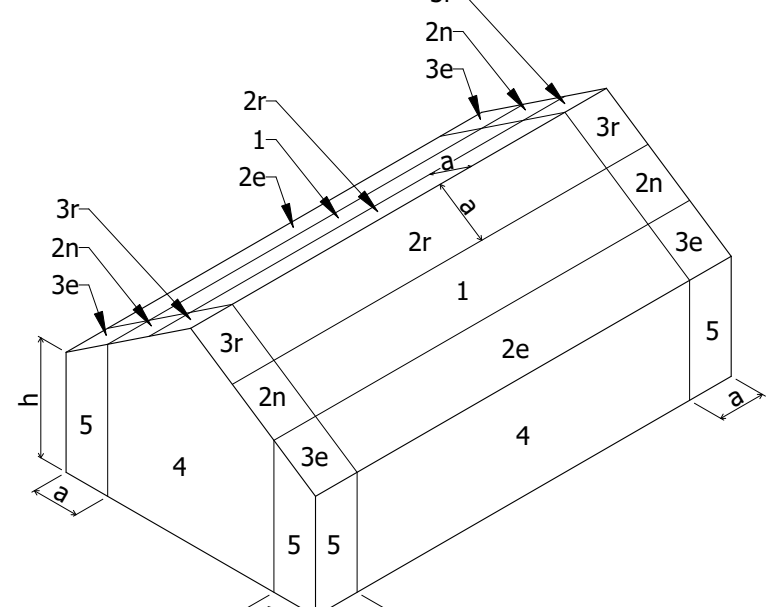
15. SUBMITTALS
A. ALL SHOP DRAWINGS AND SUBMITTALS MUST BE REVIEWED AND APPROVED BY THE CONTRACTOR PRIOR TO SUBMITTAL. ENGINEER'S REVIEW OF SHOP DRAWINGS IS LIMITED TO CHECKING FOR GENERAL CONFORMANCE WITH DESIGN DRAWINGS AND STRENGTH OF COMPONENTS AND MATERIALS. CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES FROM THE DESIGN DRAWINGS, QUANTITIES, DIMENSIONAL ERRORS, OR OMISSIONS IN THE SHOP DRAWINGS.
B. ALL SHOP DRAWINGS MUST BE ORIGINAL DOCUMENTS AND SHALL NOT BE REPRODUCTIONS OF THESE CONTRACT DOCUMENTS.
C. SUBMIT SHOP DRAWINGS DETAILING FABRICATION OF EACH MEMBER AND ITS CONNECTIONS. DETAIL DRAWINGS ARE TO BE PREPARED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI FOR THE FOLLOWING ITEMS:
1. PREFABRICATED WOOD TRUSSES
2. CONCRETE MIX DESIGN AND MATERIALS
3. CONCRETE REINFORCING STEEL
4. PREFABRICATED WOOD TRUSSES
5. PROVIDE A FINAL, "FOR CONSTRUCTION" SET OF ALL SHOP DRAWINGS TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OR CONSTRUCTION OF THOSE ITEMS.
D. CONTRACTOR SHALL SUBMIT STRUCTURAL SHOP DRAWINGS FOR THE FOLLOWING ITEMS:
1. CONCRETE MIX DESIGN AND MATERIALS
2. CONCRETE REINFORCING STEEL
3. PREFABRICATED WOOD TRUSSES
4. ANCHOR RODS
5. SOIL VERIFICATION
6. SOIL VERIFICATION
E. SPECIAL INSPECTIONS
A. THE FOLLOWING MINIMUM ITEMS REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH THE BUILDING CODE:
1. CONCRETE PLACING
2. CONCRETE REINFORCING
3. BOLTS EMBEDDED IN CONCRETE / POST-INSTALLED ANCHORS
4. ANCHOR RODS
5. ROOF DIAPHRAGM ATTACHMENT
6. SOIL VERIFICATION
B. THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE ITEMS LISTED ABOVE PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNOBSERVABLE DUE TO PROGRESSION OF THE WORK.



FLAT/HIP/GABLE 0° ≤ θ ≤ 7°



HIP ROOF 7° ≤ θ ≤ 45°



GABLE ROOF 7° ≤ θ ≤ 45°

- NOTES:
1. a = 10% OF LEAST HORIZONTAL DIMENSION OR 0.4h, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF THE LEAST HORIZONTAL DIMENSION OR 3 FT.
 2. WIND LOADS ARE ULTIMATE (LRFD) LOADS. FOR ALLOWABLE STRESS DESIGN MULTIPLY LOADS PROVIDED BY 0.6.
 3. LOADING PROVIDED IS FOR WORST CASE ROOF HEIGHT. DELEGATED DESIGNERS MAY RECALCULATE LOADS FOR SPECIFIC COMPONENT HEIGHTS USING PARAMETERS SPECIFIED.
 4. PRESSURES SHOWN ARE APPLIED NORMAL TO THE SURFACE.
 5. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
 6. EACH COMPONENT MUST BE DESIGNED FOR MAXIMUM POSITIVE AND NEGATIVE FORCES.
 7. FOR COMPONENTS HAVING EFFECTIVE AREAS IN BETWEEN THE TABULATED VALUES, DESIGN LOADS MAY BE INTERPOLATED. OTHERWISE DESIGN LOAD MUST BE TAKEN FROM THE NEXT LOWEST EFFECTIVE AREA.
 8. INTERNAL PRESSURE FOR ENCLOSED BUILDING IS INCLUDED IN ABOVE VALUES.
 9. THE NET C&C PRESSURE (INCLUDING INTERNAL PRESSURE) FOR ANY COMPONENT SHALL NOT BE TAKEN LESS THAN 16 PSF ACTING IN EITHER DIRECTION NORMAL TO THE SURFACE.
 10. PARAPET PRESSURES ARE NOT SHOWN ABOVE. DELEGATED DESIGN ENGINEERS SHALL CALCULATE PARAPET PRESSURES IN ACCORDANCE WITH ASCE 7-16 USING CRITERIA ABOVE TO DETERMINE DESIGN LOADS FOR USE IN THEIR DESIGN AND SUBMIT CALCULATIONS.

1. ALL WORK SHALL CONFORM TO 2018 INTERNATIONAL BUILDING CODE AS ADOPTED AND AMENDED BY THE CITY OF LEE'S SUMMIT, MISSOURI.
2. DESIGN LOADS
A. OVERALL BUILDING CLASSIFICATIONS
1. RISK CATEGORY II
2. SNOW IMPORTANCE FACTOR, I_s 1.00
3. ICE IMPORTANCE FACTOR - WIND, I_w 1.00
4. SEISMIC IMPORTANCE FACTOR, I_e 1.00
B. SLAB ON GRADE FLOOR LOADS
1. LIVE LOAD 100 PSF
2. CONCENTRATED LOAD 3000 LB ACTING ON AN AREA 4.5 IN. BY 4.5 IN.
C. ROOF DEAD AND LIVE LOADS
1. DEAD LOAD TOP CHORD 20 PSF
2. DEAD LOAD BOT. CHORD 5 PSF
3. LIVE LOAD TOP CHORD 20 PSF
4. LIVE LOAD BOT. CHORD 0 PSF (U.N.O.)
D. ROOF SNOW LOADS
1. GROUND SNOW LOAD, P_g 15 PSF
2. FLAT ROOF SNOW LOAD, P_f 11.34 PSF
3. SNOW EXPOSURE FACTOR, C_e 0.9
4. THERMAL FACTOR, C_t 1.2
5. SLOPE FACTOR, C_s 0.6
6. DRIFTING PER CODE
E. WIND LOADS
1. BASIC WIND SPEED (3 SECOND GUST) 107 MPH
2. EXPOSURE CATEGORY C
3. INTERNAL PRESSURE COEFFICIENT, GCF +/- 0.18
4. COMPONENTS AND CLADDING PER ASCE 7-16. REFER TO XX/XXXX.
F. SEISMIC LOADS
1. S_s 0.189
2. S_1 0.105
3. SITE CLASS C
4. S_{DS} 0.164
5. S_{D1} 0.105
6. SEISMIC DESIGN CATEGORY B
7. SEISMIC FORCE RESISTING SYSTEM WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR CW
8. DESIGN BASE SHEAR 0.025
9. DESIGN RESPONSE COEFFICIENT, C_d 0.025
10. RESPONSE MODIFICATION COEFFICIENT, R 6.5
11. ANALYSIS PROCEDURE USED EQUIVALENT LATERAL FORCE (ELF) PROCEDURE
G. ROOF RAIN LOADS
1. 60-MIN DURATION/100 YEAR RAIN INTENSITY, I 3.20 IN
2. 15-MIN DURATION/100 YEAR RAIN INTENSITY, I 1.61 IN
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION.
4. IF DISCREPANCIES EXIST BETWEEN CONTRACT DRAWINGS, AND/OR SHOP DRAWINGS NOTIFY THE ENGINEER OF RECORD.
5. THE CONTRACTOR SHALL REVIEW DRAWINGS FROM ALL OTHER DISCIPLINES FOR PERTINENT MISC. ITEMS OR INFORMATION RELATED TO THE STRUCTURAL WORK AND COORDINATE AS REQUIRED.
6. THE BUILDING IS NOT STRUCTURALLY STABLE UNTIL ALL CONNECTIONS, FRAMING, SHEAR WALLS, PERMANENT BRACING, AND EXTERIOR LOAD-BEARING WALLS ARE COMPLETE AND HAVE ACHIEVED THEIR RESPECTIVE DESIGN STRENGTHS. CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING STRUCTURAL STABILITY DURING ERECTION AND CONSTRUCTION. TEMPORARY BRACING SYSTEMS ARE NOT TO BE REMOVED UNTIL STRUCTURAL WORK IS COMPLETE.
7. PROVIDE ADEQUATE SHORING DURING CONSTRUCTION TO RESIST FORCES SUCH AS WIND AND UNBALANCED LOADS DUE TO CONSTRUCTION. DO NOT BACKFILL UNTIL CONCRETE HAS CURED 14 DAYS.
8. FOUNDATIONS
A. FOUNDATIONS ARE DESIGNED TO BEAR ON 2,000 PSF FOR STRIP FOOTINGS ON SOIL AND 2,400 PSF FOR SPREAD FOOTINGS ON SOIL.
B. COMPLY WITH ALL ASPECTS OF SOILS REPORT AOG 230221 E PROVIDED TO THE OWNER DATED MAY 3, 2023. CONTRACTOR SHALL REMOVE EXISTING FOOTINGS AND FOUNDATIONS THAT ARE LOCATED WITHIN THE FOOTPRINT OF THE NEW BUILDING.
C. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY UNUSUAL SOIL CONDITIONS THAT ARE IN VARIANCE WITH THE GEOTECHNICAL REPORT OR WHEN DIFFERENT BEARING MATERIAL IS EVIDENT AND THERE IS A QUESTION OF BEARING CAPACITY.
9. CONCRETE
A. CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO LATEST APPLICABLE AMERICAN CONCRETE INSTITUTE DOCUMENTS, ACI-301, 305, 306, 315, 318, AND 347 UNLESS NOTED OTHERWISE IN THESE CONTRACT DOCUMENTS.
B. ALL CONCRETE, UNLESS NOTED OTHERWISE, SHALL DEVELOP A 28 DAY COMPRESSIVE STRENGTH AND HAVE MAXIMUM DRY SHRINKAGE PER ASTM C157 AS FOLLOWS:
1. FOOTINGS, GRADE BEAMS, WALLS, BEAMS, COLUMNS: 4000 PSI (OS MAX 0.05%)
2. SLAB ON GRADE: 4000 PSI (OS MAX 0.05%)
3. REFER TO THE SPECIFICATION FOR AIR-ENTRAINED CONCRETE.
C. SLABS-ON-GRADE SHALL DEVELOP A 90 DAY COMPRESSIVE STRENGTH.
D. IT IS THE INTENT OF THESE CONCRETE SPECIFICATIONS THAT THE CONTRACTOR SUPPLY CONCRETE MIXES WITH A MINIMUM AMOUNT OF WATER IN ORDER TO LIMIT PLASTIC SHRINKAGE CRACKING IN FRESHLY PLACED CONCRETE. IT IS EXPECTED THAT PRODUCING WORKABILITY FOR CONCRETE MIXES WILL REQUIRE THE ADDITION OF WATER-REDUCING CHEMICAL ADMIXTURES.
E. CONCRETE MIX DESIGNS SHALL INCLUDE ALL APPLICABLE ADMIXTURES.
F. CONCRETE SLUMP SHALL BE A MAXIMUM OF 4" +/- 1" (ASTM C-143) AS DELIVERED IN THE FIELD. CONTRACTOR MAY USE CHEMICAL ADMIXTURES TO ATTAIN A MAXIMUM SLUMP OF 8" FOR WORKABILITY IF ADMIXTURE IS TO BE ADDED IN THE FIELD IS SHALL BE ADDED THROUGH THE USE OF AN EXTERNAL MEASURING DEVICE (I.E. 5 GALLON BUCKET).
G. CONCRETE EXPOSED TO WEATHER, PARKED VEHICLES, AND/OR DEICING CHEMICAL SHALL CONTAIN 6% (+/- 1%) ENTRAINED AIR BY VOLUME.
H. CHAMFER ALL EXPOSED CORNERS OF CONCRETE WALLS, 3/4" UNLESS NOTED OTHERWISE.
I. ALL CONTROL JOINTS IN CONCRETE SLABS-ON-GRADE SHALL BE CUT TO 1/3 OF DEPTH WHEN USING WET-CUTTING PROCESS AND 1/4 OF DEPTH WHEN USING EARLY-ENTRY DRY-CUT PROCESS. CUT JOINTS AS SOON AS APPLICABLE PER PROCESS USED AFTER CONCRETE HAS BEEN PLACED WITHOUT DISLODGING AGGREGATE, OR USE A KEVED COLD JOINT.
J. CUT SLABS-ON-GRADE INTO AREAS OF APPROXIMATELY 225 SQUARE FEET MAINTAINING AS CLOSE TO SQUARE AREAS AS POSSIBLE. LENGTH TO WIDTH RATIOS OF JOINTED PANELS SHALL NOT EXCEED 1.5:1. COORDINATE LOCATIONS OF CONTROL JOINTS WITH ARCHITECT.
K. CONTROL JOINTS IN WALLS SHALL BE PLACED AT 20'-0" O.C. MAXIMUM UNLESS NOTED OTHERWISE. LOCATE JOINTS BESIDE PIERS INTEGRAL WITH WALLS, NEAR CORNERS, AND IN CONCEALED LOCATIONS WHERE POSSIBLE. CONSTRUCTION JOINTS MAY BE PLACED IN LIEU OF CONTROL JOINTS AT CONTRACTOR'S DISCRETION. COORDINATE LOCATION OF CONTROL JOINTS WITH ARCHITECT.
L. PRIOR TO PLACING CONCRETE IN ANY LOCATION, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THOROUGHLY CHECKED AND COORDINATED ALL DIMENSIONS, ELEVATIONS, OPENINGS, RECESSES, AND BLOCKOUTS AS SHOWN ON ANY CONTRACT DRAWINGS. IN THE EVENT ERRORS, CONFLICTS, OR OMISSIONS EXIST, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE ARCHITECT OR ENGINEER FOR NECESSARY CORRECTIVE ACTION.
M. EMBEDDED ITEMS ARE TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR PRIOR TO PLACING CONCRETE.
N. ANCHOR RODS AND ANCHOR BOLTS SHALL BE HELD IN PLACE WITH A RIGID TEMPLATE.
O. HORIZONTAL JOINTS BEYOND THOSE SHOWN IN THE CONTRACT DOCUMENTS SHALL NOT BE CONSTRUCTED WITHOUT THE APPROVAL OF THE ARCHITECT AND ENGINEER.

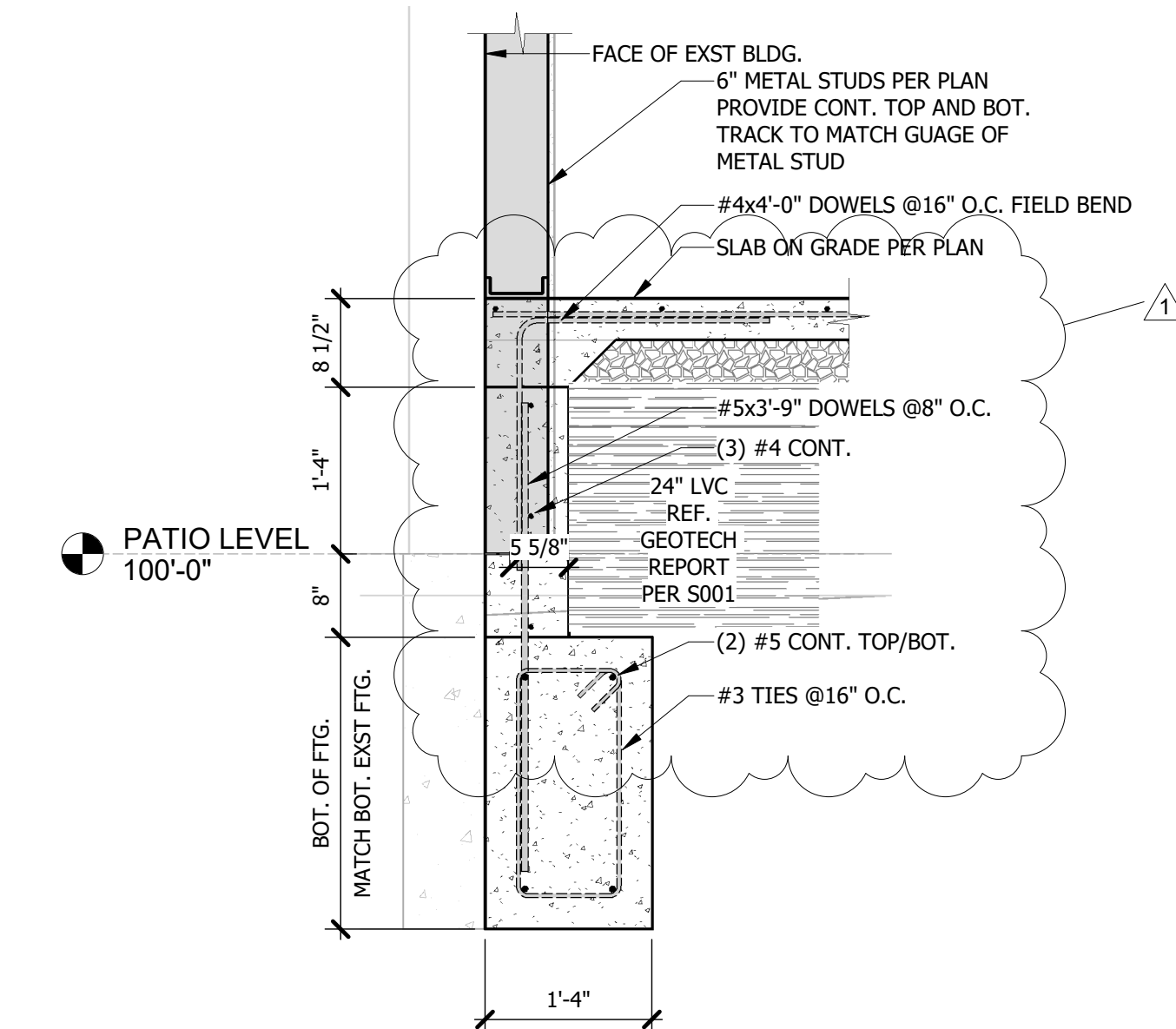
25. REINFORCING STEEL
A. ALL REINFORCING SHALL BE ASTM A615 GRADE 60, EXCEPT WELDED REINFORCING WHICH SHALL BE ASTM A706 GRADE 60.
B. ALL WELDED WIRE FABRIC SHALL BE ASTM A82 COLD DRAWN WIRE.
C. ALL ACCESSORIES FOR SUPPORTING REINFORCING SHALL BE GALVANIZED OR HAVE PLASTIC-COATED FEET.
D. PROVIDE CORNER BARS AT THE EXTERIOR FACE OF ALL WALL AND FOOTING CORNERS EQUAL TO HORIZONTAL BARS.
E. REINFORCING SHALL BE DETAILED, FABRICATED, PLACED, AND SUPPORTED IN ACCORDANCE WITH ACI 315, LATEST APPLICABLE EDITION.
F. STANDARD COVERAGE OF REINFORCING SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE.
1. PERMANENTLY EXPOSED TO WEATHER
A. CAST AGAINST EARTH 3"
B. IN CONTACT WITH WATER 3"
C. FORMED 3"
2. NOT EXPOSED TO EARTH OR WEATHER
A. SLABS AND WALLS 3/4"
B. BEAMS AND COLUMNS 1 1/2"
G. SPLICE LENGTH
1. 3000 PSI CONCRETE
A. NON-COATED 55 db (BAR DIAMETER)
B. EPOXY COATED 85 db
2. 4000 PSI CONCRETE
A. NON-COATED 48 db
B. EPOXY COATED 72 db
3. 5000 PSI CONCRETE
A. NON-COATED 43 db
B. EPOXY COATED 64 db
H. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT, EXCEPT AS SHOWN AND NOTED ON THE CONTRACT DRAWINGS OR PERMITTED BY THE ENGINEER OF RECORD.
I. ALL REINFORCEMENT AND EMBEDDED ITEMS INCLUDING PLATES AND ANCHOR RODS SHALL BE ACCURATELY PLACED, ADEQUATELY SUPPORTED, AND SECURED AGAINST DISPLACEMENT BEFORE CONCRETE IS PLACED. NEITHER REINFORCEMENT NOR EMBEDDED ITEMS SHALL BE PLACED INTO FRESHLY PLACED CONCRETE UNLESS APPROVED BY THE ENGINEER OF RECORD.
J. ROUGH CARPENTRY
A. HEADERS, JOISTS, AND RAFTERS SHALL MEET OR EXCEED THE FOLLOWING MINIMUM REQUIREMENTS. (EXAMPLE SPECIES: #2 SPRUCE-PINE-FIR)
1. F_b 875 PSI
2. F_v 135 PSI
3. F_c 1150 PSI
4. E 1400 KSI
B. INTERIOR WALLS AND EXTERIOR WALLS SHALL MEET OR EXCEED THE FOLLOWING MINIMUM REQUIREMENTS. (EXAMPLE SPECIES: #2 SPRUCE-PINE-FIR)
1. F_b 875 PSI
2. F_v 135 PSI
3. F_c 1150 PSI
4. E 1400 KSI
C. TIMBER FRAMING MEMBERS SHALL MEET OR EXCEED THE FOLLOWING MINIMUM REQUIREMENTS. (EXAMPLE SPECIES: #2 SPRUCE-PINE-FIR)
1. F_b 875 PSI
2. F_v 135 PSI
3. F_c 1150 PSI
4. E 1400 KSI
D. ALL LVL MEMBERS SHALL BE BOISE CASCADE VERSA-LAM 2.1E 3100 OR APPROVED EQUAL.
E. ALL WOOD FRAMING MEMBERS INDICATED ARE NOMINAL SIZES. PROVIDE ACTUAL DRESSED SIZES, KNUCK DRUPTS), WIND, AND SEISMIC LOADS. TRUSS FABRICATOR IS TO SUPPLY SEALED TRUSS SHOP DRAWINGS AND SEALED PLAN PLACEMENT DRAWINGS PREPARED UNDER THE SUPERVISION OF THE SAME LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI.
F. TRUSS MANUFACTURER IS RESPONSIBLE FOR DESIGNING, DETAILING, AND PROVIDING ALL TRUSS-TO-TRUSS, TRUSS-TO-WALL, AND TRUSS-TO-BEAM CONNECTIONS, UNLESS NOTED OTHERWISE.
G. ROOF SHOP DRAWINGS SHALL INCLUDE DETAILED ERECTION DRAWINGS, AS WELL AS DESIGN INFORMATION FOR EACH TRUSS. PROVIDE ALL INFORMATION AS REQUIRED IN THE INTERNATIONAL BUILDING CODE SECTION 2303.4 "TRUSSES", INCLUDING CONNECTION DESIGN.
H. TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED, SPLICED, OR OTHERWISE ALTERED IN ANY WAY WITHOUT WRITTEN CONCURRENCE AND APPROVAL OF THE LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN AND THE ENGINEER OF RECORD.
I. REFERENCE SECTION 15 "SUBMITTALS" FOR MORE INFORMATION.
J. POST CONSTRUCTION ANCHORS
A. POST INSTALLED ANCHORS ARE NOT TO BE SUBSTITUTED FOR ANCHORS SHOWN ON THE DRAWINGS. IF CAST IN PLACE ANCHOR IS DETERMINED TO BE OUT OF TOLERANCE OR OMITTED, CONTRACTOR MUST GENERATE A REQUEST FOR INFORMATION IN REGARDS TO THE SOLUTION.
B. EMBEDMENT DEPTH SHALL BE DEFINED AS THE DISTANCE FROM THE SURFACE OF THE LOAD-BEARING BASE MATERIAL TO THE DEEPEST PART OF THE ANCHOR AFTER THE ANCHOR HAS BEEN DRIVEN INTO THE HOLE.
C. OBSERVATION AND VERIFICATION OF EMBEDMENT HOLE CLEANING, DEPTH, AND ANCHOR INSTALLATION IS REQUIRED FOR ALL EPOXY ANCHORS.
D. EQUIVALENT ANCHORS MAY BE SUBMITTED FOR THE ENGINEER'S APPROVAL. SUBMITTALS ARE THE CONTRACTOR'S RESPONSIBILITY AND MUST INCLUDE EVALUATION REPORTS FROM THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS, CURRENT WITH THE REQUIREMENTS OF THE PROJECT.
K. STRUCTURAL ENGINEER SITE OBSERVATIONS
A. THE CONTRACT STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCES.
B. THE ENGINEER SHALL NOT HAVE CONTROL NOR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR AN OTHER PERSONS PERFORMING ANY OF THE WORK, OR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
C. PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF LEIGH & OKANE LLC IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS AND DEFICIENCIES IN THE WORK OF THE CONTRACTOR.



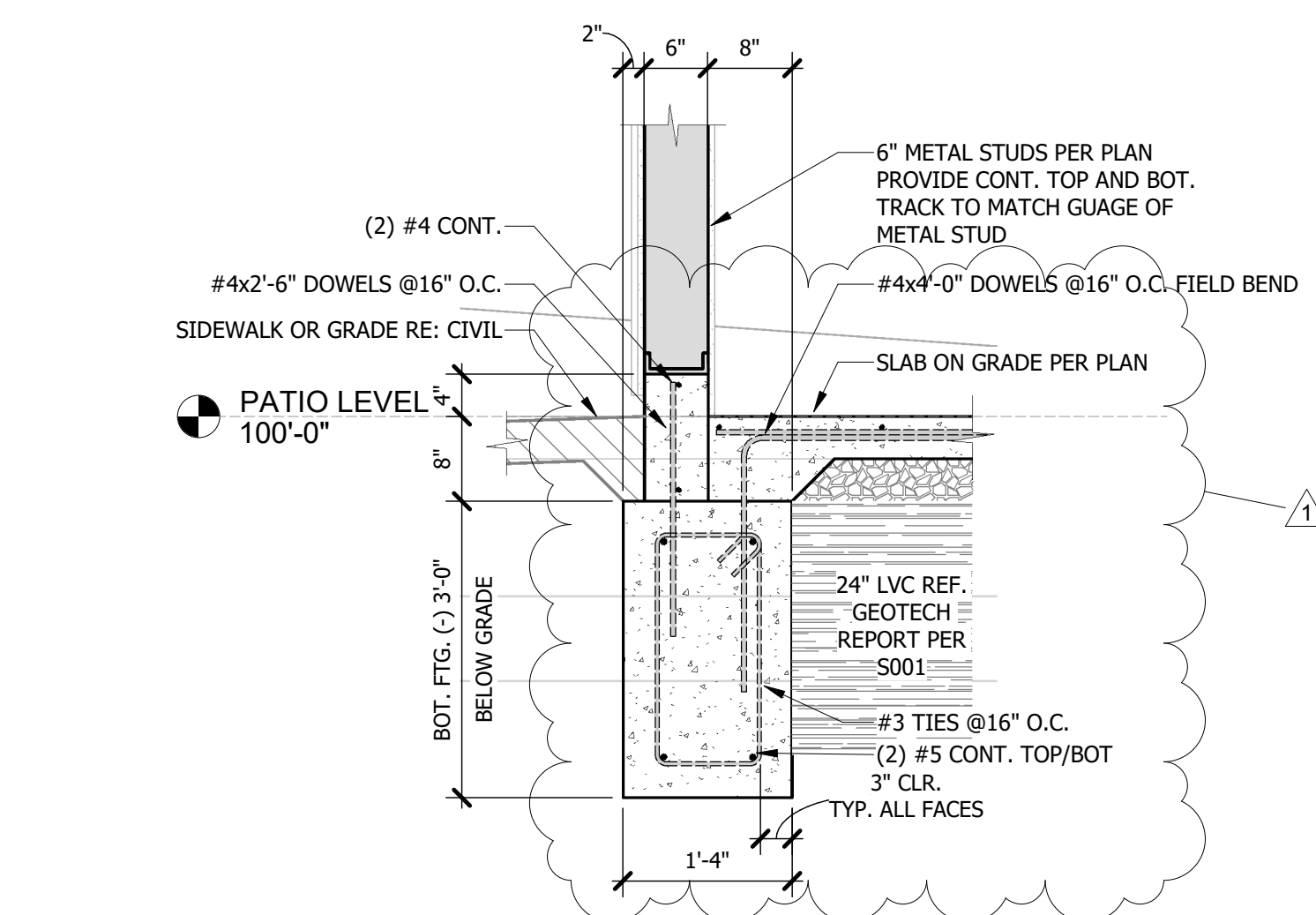
ISSUE DATE: 13 JAN. 2023
COLLINS WEBB #: 22030



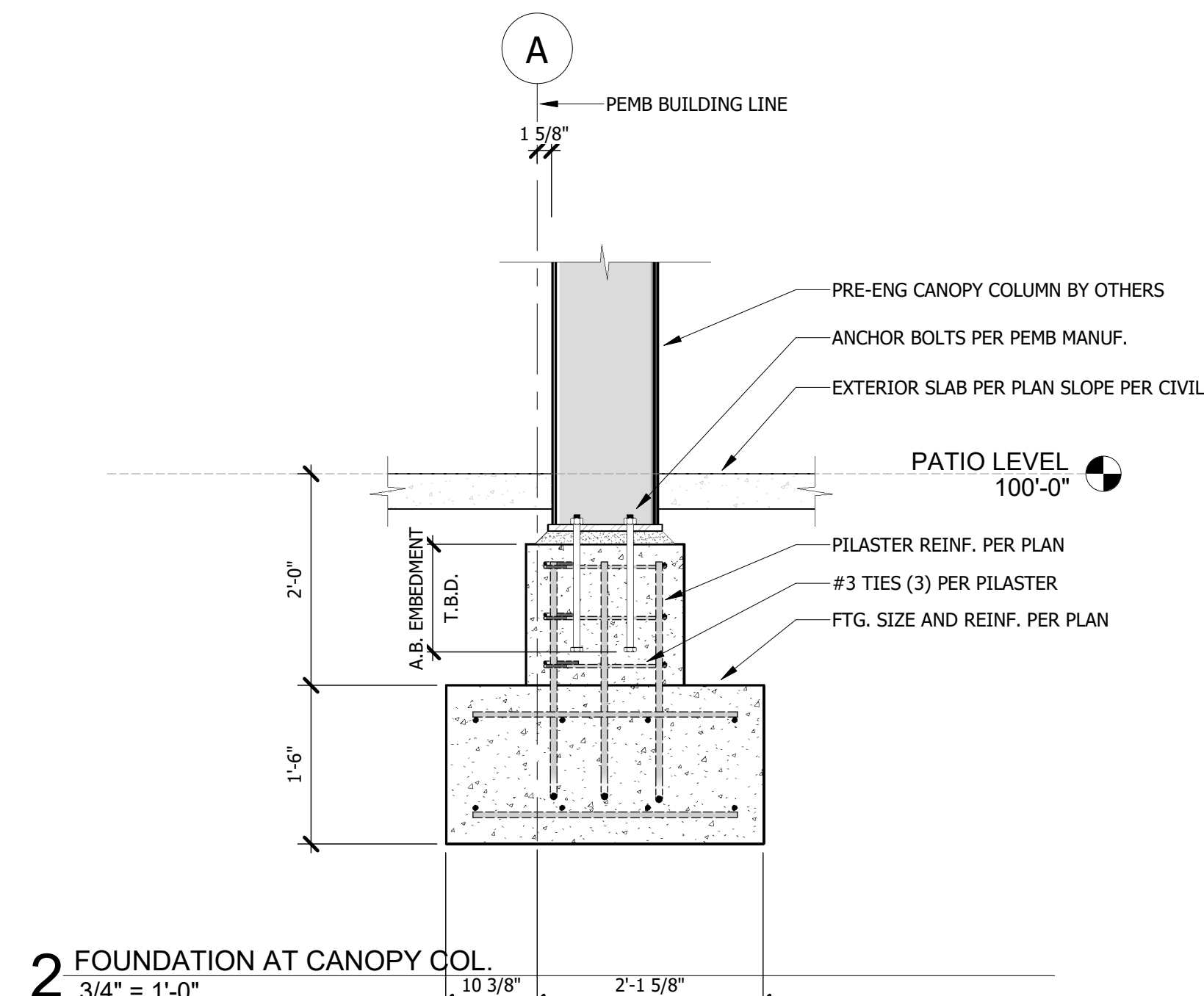
7/13/2023 10:46:38 AM



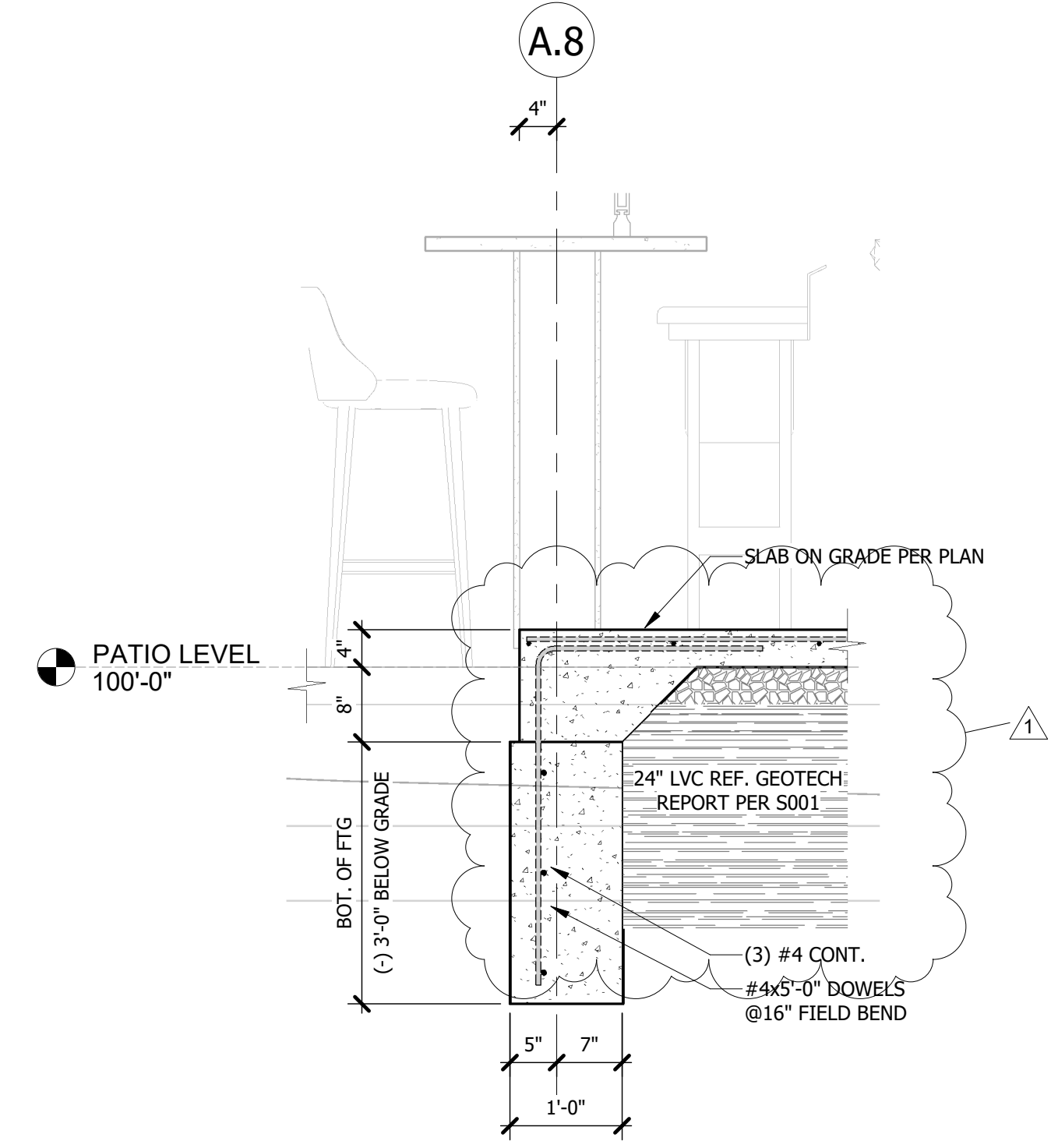
5 FOUNDATION SECTION
3/4" = 1'-0"



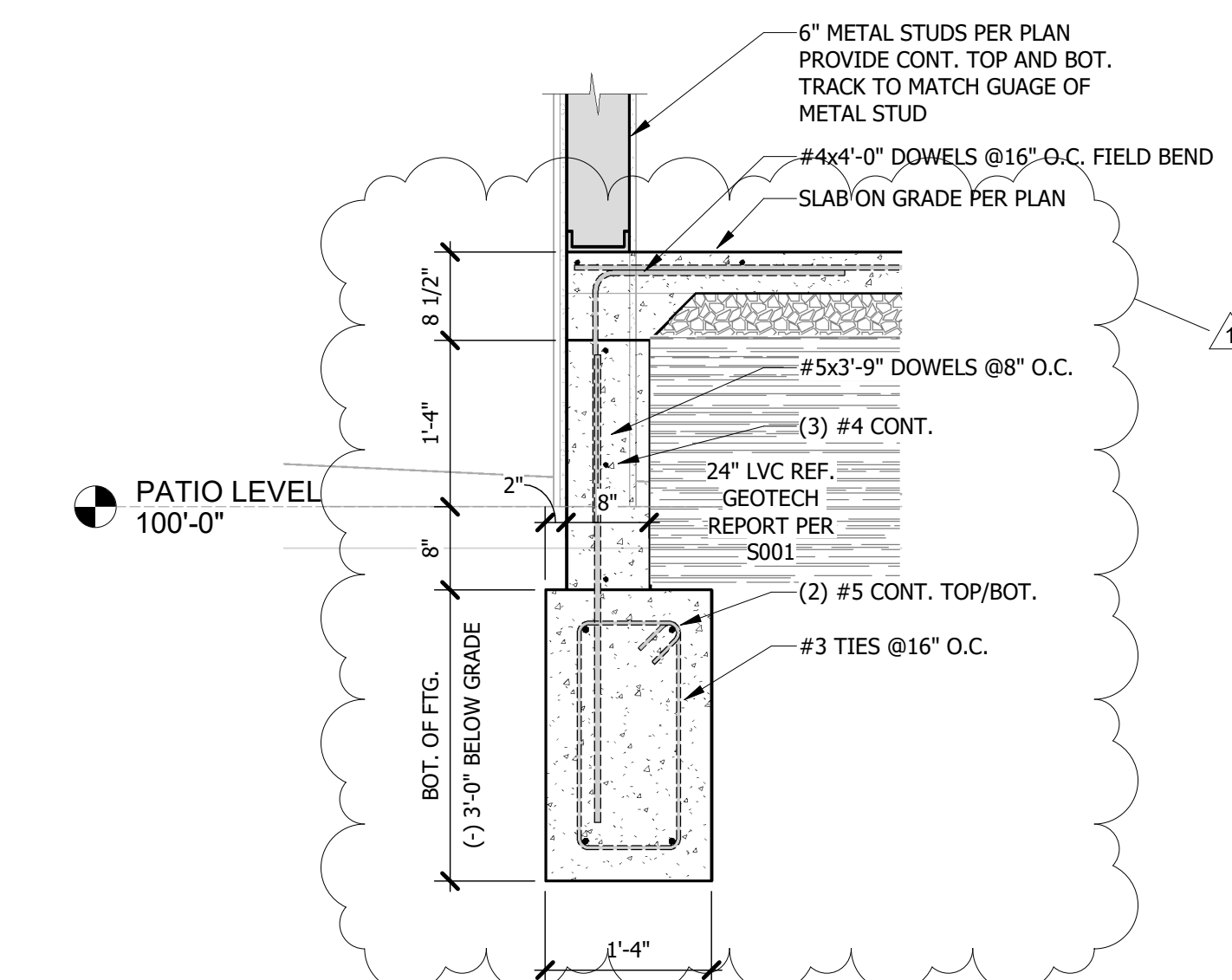
3 FOUNDATION AT ADDITION
3/4" = 1'-0"



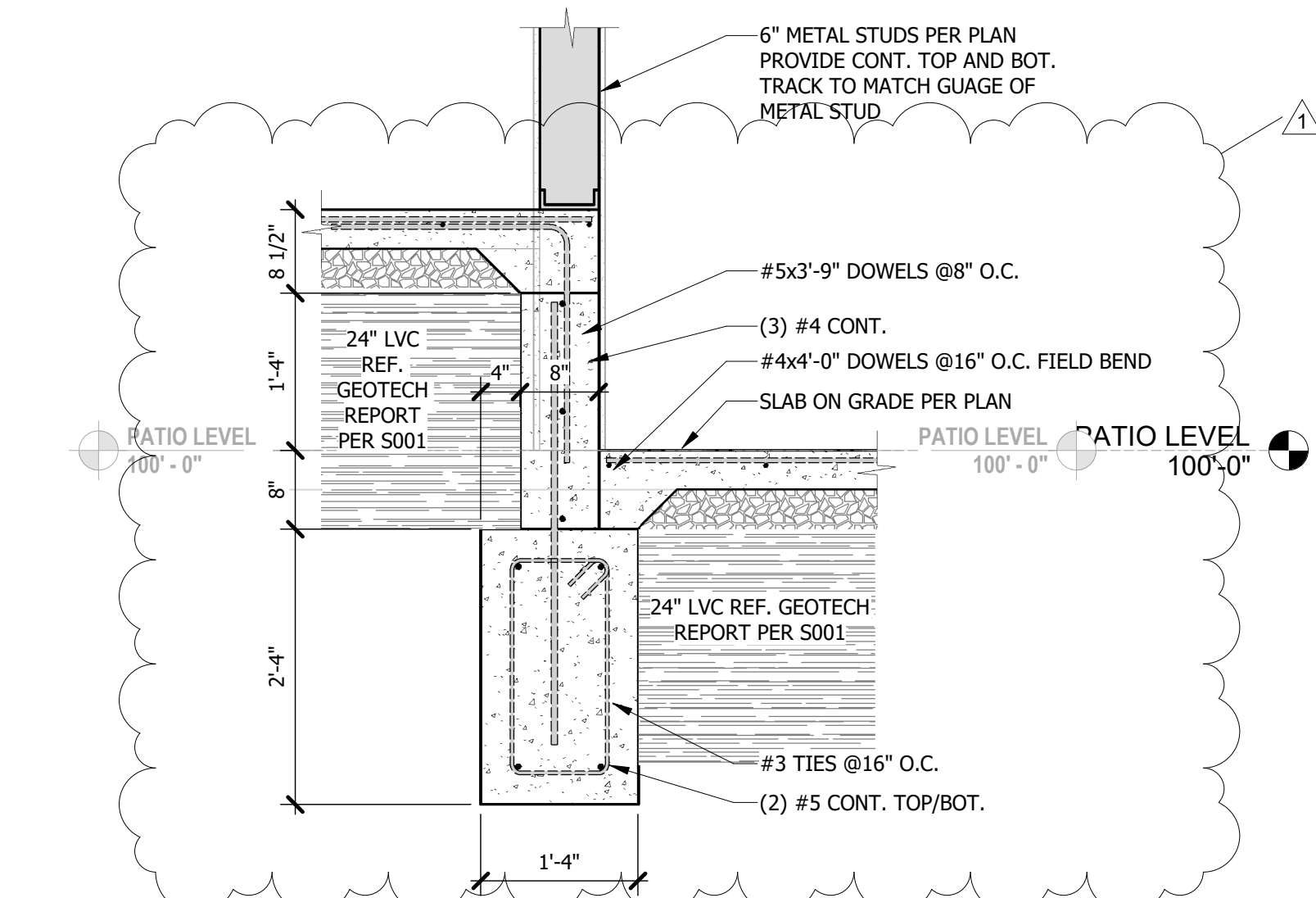
2 FOUNDATION AT CANOPY COL.
3/4" = 1'-0"



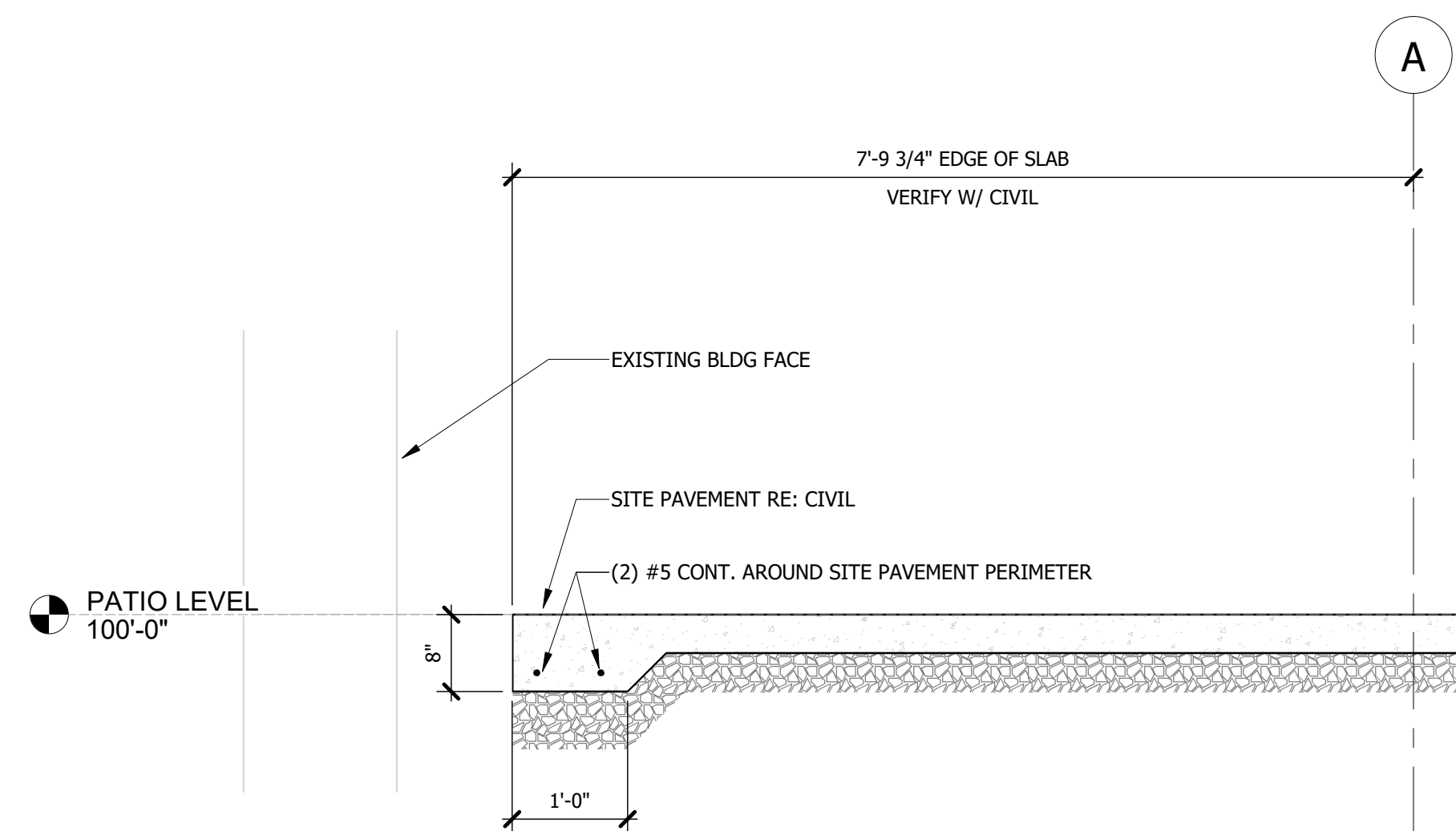
1 FOUNDATION AT BAR
3/4" = 1'-0"



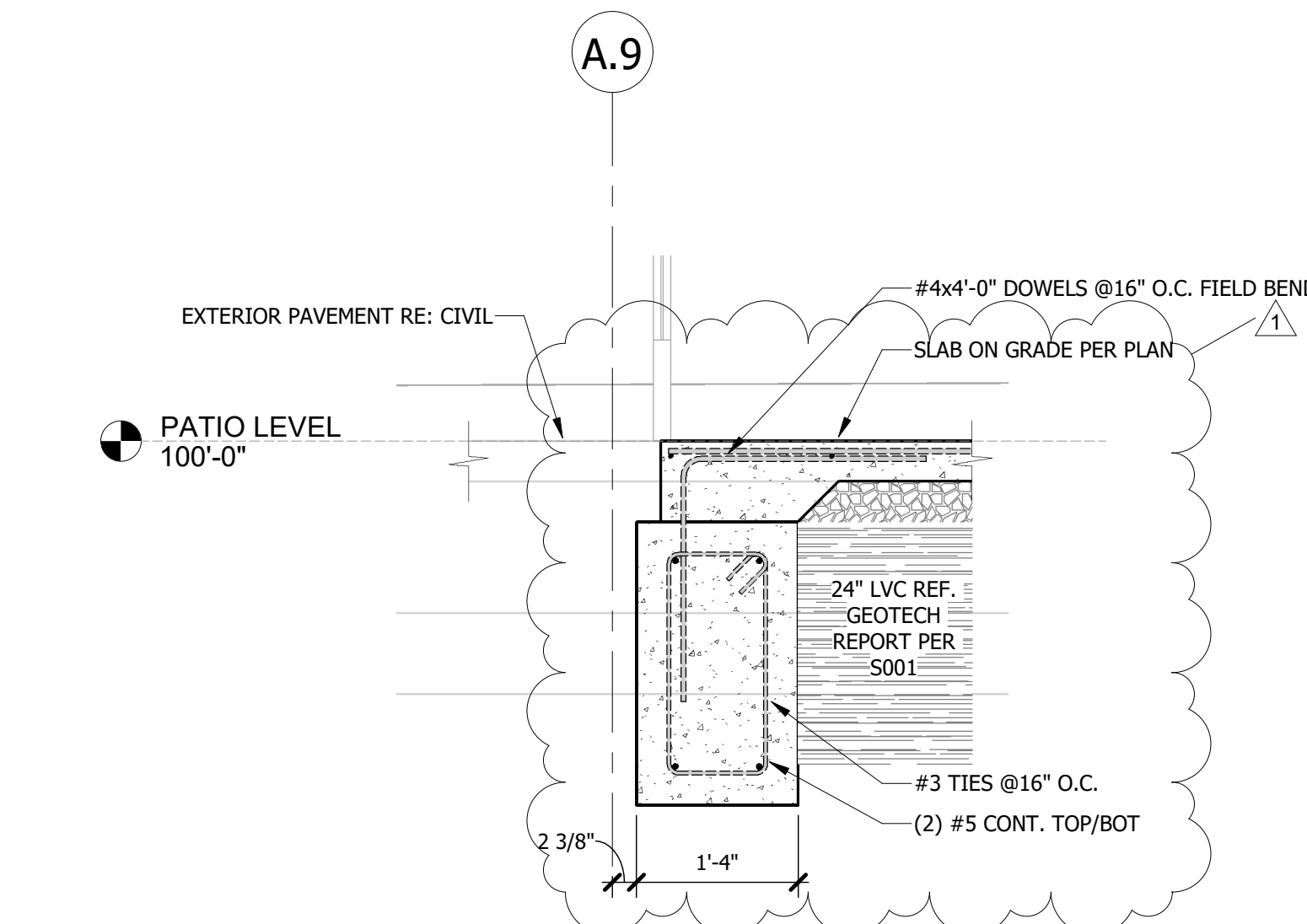
8 FOUNDATION SECTION
3/4" = 1'-0"



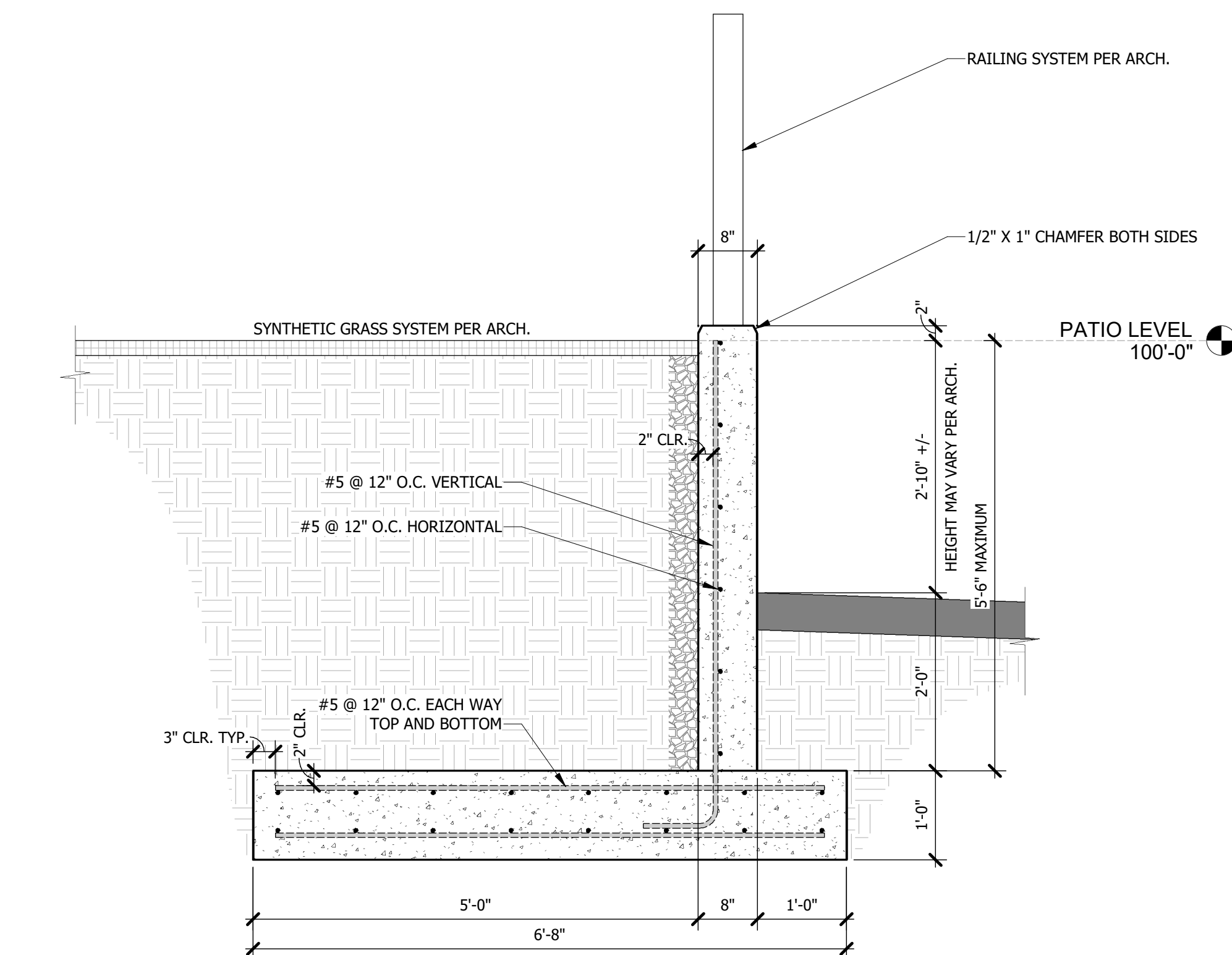
6 FOUNDATION SECTION
3/4" = 1'-0"



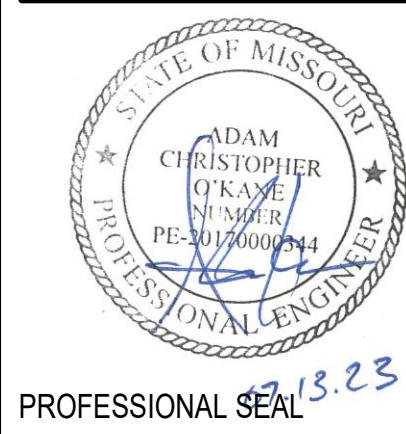
7 SITE PAVEMENT EDGE
3/4" = 1'-0"



10 FOUNDATION SECTION
3/4" = 1'-0"



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



PROFESSIONAL SEAL
S302
ISSUE DATE: 13 JAN. 2023
COLLINS WEBB #: 22030

COPYRIGHT © BY
COLLINS WEBB
ARCHITECTURE, LLC

REVISION DATES:
1 APPENDUM 1 07/13/2
023

ARCADE ALLEY - OUTDOOR SPACE
316 DOUGLAS
LEE'S SUMMIT, MO 64063

100% PERMIT SET

collins webb
ARCHITECTURE
307B SIV Market St., Lee's Summit, MO 64063 | 816.249.2270 | www.collinswebb.com