

GENERAL NOTES:

(THESE SPECIFICATIONS ARE IN ADDITION TO AND DO NOT EXCLUDE ANY FOUND IN THE GENERAL SPECIFICATIONS FOR THE PROJECT).

1. CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING AND SHORING OF STRUCTURE DURING CONSTRUCTION. FOUNDATION WALLS WHICH ARE TIED TO SLABS OR FLOOR/ROOF FRAMING SHALL BE BRACED AGAINST BACKFILL MOVEMENT UNTIL SLAB/FRAMING (WITH DECK ATTACHMENT) IS COMPLETED. CONTRACTOR SHALL PROVIDE ALL TEMPORARY SAFETY ENCLOSURES TO PROTECT ALL PERSONNEL INVOLVED IN PROJECT.

2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. KEYSTONE STRUCTURAL ENGINEERING, P.C. IS NOT RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION OR FOR RELATED SAFETY PRECAUTIONS AND PROGRAMS.

3. SHOP DRAWINGS AND SUBMITTALS:

A. CONTRACTOR SHALL FURNISH COMPLETE AND DETAILED SHOP DRAWINGS. ALL SHOP DRAWINGS SHALL BE PREPARED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

B. CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND STAMP ALL SHOP DRAWINGS PRIOR TO SUBMITTING DRAWINGS TO ARCH/ENG. FOR REVIEW. CONTRACTOR IS RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS SUCH AS, MEMBER SIZES, DETAILS AND DIMENSIONS SPECIFIED IN THE CONSTRUCTION DOCUMENTS.

C. SHOP DRAWINGS SHALL SHOW MEMBERS SIZES, LOCATION, TYPE AND EXTENT OF ALL MEMBERS, BOLTS AND WELDS.

D. CONTRACTOR SHALL HAVE AN APPROVED SHOP DRAWINGS AND PROOF OF WELDER CERTIFICATION AT JOB SITE AT ALL TIMES.

E. PROVIDE SETTING DRAWINGS, TEMPLATES AND DIRECTIONS FOR INSTALLATION OF ANCHOR BOLTS AND OTHER ANCHORAGES TO BE INSTALLED BY OTHERS.

F. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

4. DESIGN LOADS:
THE BUILDING STRUCTURE DESCRIBED IN THESE PLANS SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE 2012 INTERNATIONAL BUILDING CODE

A. GRAVITY LOADS
DEAD LOADS:
ROOF: 20 PSF
FLOOR: 60 PSF

LIVE LOADS:
ROOF: 20 PSF
FLOOR: 125 PSF
STAIRS/CORRIDOR: 100 PSF

B. SNOW LOADS:
GROUND SNOW LOAD (Pg): 5 PSF
FLAT ROOF SNOW LOAD (Pf): 5.0 PSF
SNOW EXPOSURE FACTOR (Ce): 1.0
SNOW IMPORTANCE FACTOR (Is): 1.0
THERMAL FACTOR (Ct): 1.0

C. WIND LOADS
BASIC WIND SPEED (3 SEC. GUST): Vult 115 MPH
RISK CATEGORY: II
EXPOSURE CATEGORY: B
INTERNAL PRESSURE (GcPf): +/- .18

D. SEISMIC DESIGN CRITERIA:
SEISMIC IMPORTANCE FACTOR (Ie): 1.0
RISK CATEGORY: II

MAPPED SPECTRAL RESPONSE ACCELERATIONS: Ss: 0.185g S1: 0.090g
SITE CLASS: D
SD1: 0.091
SEISMIC DESIGN CATEGORY: C
BASIC SEISMIC FORCE RESISTING SYSTEM:
LIGHT FRAMED WALLS SHEATHED WITH STEEL SHEETS
DESIGN BASE SHEAR = 190 KIPS (BOTH DIRECTIONS)
SEISMIC RESPONSE COEFFICIENT (Cs): .0312
RESPONSE MODIFICATION FACTORS (R): 6.5
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

FOUNDATION NOTES:

1. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR BUILDING LOCATION AND ORIENTATION. COORDINATE ALL DIMENSIONS WITH ARCH. DRAWINGS. DO NOT SCALE DRAWING

3. SEE ARCHITECTURAL DRAWINGS FOR SIDE WALK EXTENTS, PLANTER, AND PAVER LOCATIONS AND DETAILS.

4. COORDINATE FINISHED FLOOR ELEVATIONS (F.F.E.) WITH ARCH. AND CIVIL DRAWINGS.

5. REFERENCE FFE = SEE PLANS

6. ALL FOOTINGS HAVE BEEN DESIGNED BASED UPON THE RECOMMENDATIONS OUTLINED IN THE REPORT OF PRELIMINARY SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION BY PIEDMONT GEOTECHNICAL CONSULTANTS, INC. PGC, PROJECT NO. 117096, DATED 04/10/2017.

7. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER OR TESTING AGENCY PRIOR TO POURING ANY FOUNDATION CONCRETE. CONTACT STRUCTURAL ENGINEER IF SOIL CONDITION ENCOUNTERED DO NOT SATISFY THE RECOMMENDATIONS OUTLINED IN THE REPORT OF PRELIMINARY SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION.

8. ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 2'-0" BELOW F.F.E. AND A MINIMUM OF 1'-6" BELOW ADJACENT EXTERIOR FINISH GRADE (TYP. UNO)

9. TOP OF INTERIOR FOOTINGS SHALL BE A MINIMUM OF 0'-8" BELOW F.F.E. (UNO)

10. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING OR NEW UTILITIES. LOWER FOUNDATION AS REQUIRED TO AVOID INTERFERENCE WITH UTILITIES.

11.  INDICATES FOOTING STEP. SEE PLANS

SPECIALTY ENGINEERED PRODUCTS:

1. THE GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE THE PROPER SUBMISSION OF SPECIALTY ENGINEERED SHOP DRAWINGS WHICH SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT THE SPECIALTY ENGINEERED SHOP DRAWINGS ARE SUBMITTED IN A TIMELY MANNER SO AS TO ALLOW REVIEWS AND RESUBMISSIONS AS REQUIRED. ALL SPECIALTY ENGINEERED PRODUCTS SHALL BE DESIGNED FOR THE APPROPRIATE GRAVITY LOADS AND WIND LOADS INCLUDING UPLIFT AND LATERAL LOADS. INTERIOR SPECIALTY PRODUCTS SHALL BE DESIGNED FOR LATERAL LOADS TO ASSURE STABILITY. SPECIALTY ENGINEERED PRODUCTS SHALL BE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

A. LIGHT GAUGE METAL FRAMING INCLUDING, BUT NOT LIMITED TO, SOFFITS, CLADDING, CEILINGS, ETC.

B. MISCELLANEOUS METALS INCLUDING STEEL STAIRS, MECHANICAL EQUIPMENT SUPPORTS, FRAMES THAT SUPPORT MACHINES, PIPES OR OTHER STRUCTURAL METAL USED FOR SUPPORT OF MECHANICAL SYSTEMS.

C. MISCELLANEOUS HANGARS, METAL FRAMES, LADDERS, RIGGING, HANGING WALLS, METAL RAILINGS, GLAZING FRAMES, CLADDING SUCH AS STONE, PRECAST, ALUMINUM, METAL PANELS, CABLE BARRIER SYSTEMS, ETC. OR ANY OTHER MISCELLANEOUS PRODUCT REQUIRED BY THE ARCHITECTURAL OR MECHANICAL CONSTRUCTION DOCUMENTS.

CONCRETE SLAB ON GRADE NOTES:

1. BASEMENT FLOOR SLAB-ON-GRADE SHALL BE 5" THICK 3000 PSI MINIMUM COMPRESSIVE STRENGTH NORMAL WEIGHT CONCRETE, REINFORCED W/ #6-W2 1/2W2 1 W/WF. LOCATED MID-DEPTH OF SLAB. SEE CIVIL PLANS FOR FINISHED FLOOR ELEVATIONS. COORDINATE VARIOUS BARRIER REQUIREMENTS W/ ARCHITECTURAL AND GEOTECHNICAL ENGINEER REQUIREMENTS. PROVIDE 15 MIL (MIN) POLYETHYLENE VAPOR BARRIER WITH JOINTS LAPPED 6" AND TAPED UNDER ALL INTERIOR SLABS. REFER TO GEOTECHNICAL ENGINEER FOR BELOW SLAB ON GRADE, SUBGRADE PREPARATION REQUIREMENTS.

2. CONTROL/CONSTRUCTION JOINTS SHALL BE LOCATED SUCH THAT NO AREA EXCEEDS 400 SQUARE FEET NOR SHALL THE LENGTH EXCEED 1.5 TIMES THE WIDTH. CONSTRUCTION JOINTS MAY BE SUBSTITUTED FOR CONTROL JOINTS. METAL "KEYHOLD" JOINTS SHALL BE USED AT ALL CONSTRUCTION JOINTS. LOCATE ALL CONTROL JOINTS AT EQUAL DISTANCE BETWEEN LOAD BEARING WALL AND 5'-0" MIN FROM THE END OF LOAD BEARING WALLS (INCLUDING OPENINGS ETC.)

3. CONDUITS AND PIPES EMBEDDED IN SLABS:
SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE-THIRD THE OVERALL THICKNESS OF THE SLAB. SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER. A MINIMUM SLAB THICKNESS OF 4 1/2" MUST BE MAINTAINED OVER THE EMBEDDED CONDUITS OR PIPES.

4. THICKEN SLAB AT LOCATIONS INDICATED ON FOUNDATION PLAN SEE 6/53.1.

STEEL NOTES:

1. STRUCTURAL STEEL:
A. SHALL CONFORM TO THE LATEST STANDARDS OF ASTM:
WIDE FLANGE BEAMS: A582
MISC. STRUCTURAL STEEL SHAPES, PLATES AND BARS: A36
HOLLOW STRUCTURAL STEEL SECTIONS (ROUND AND RECTANGULAR): A500 GRADE B
STRUCTURAL STEEL PIPE: A53 GRADE B

B. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-05) USING ALLOWABLE STRESS DESIGN.

C. PROVIDE 1" (MINIMUM) NON-SHRINK GROUT UNDER ALL BASE PLATES.

D. SHOP OR FIELD SPICES BETWEEN SUPPORTS THAT ARE NOT REQUIRED BY DESIGN WILL NOT BE ALLOWED. ANY MEMBERS CONTAINING SUCH SPICES FOUND IN THE FIELD SHALL BE REMOVED AND REPLACED WITH UNSPLICED MEMBERS AT THE FABRICATOR'S EXPENSE.

2. STEEL CONNECTIONS:
A. WHERE BEAM REACTIONS OR DETAILS ARE NOT SHOWN IN THE CONSTRUCTION DOCUMENTS, CONNECTIONS SHALL BE DESIGNED FOR ONE-HALF THE MAXIMUM (SIMPLE SPAN) UNIFORM LOAD WHICH THE MEMBER WILL SUPPORT FOR THE SPAN SHOWN ON THE DRAWINGS.

B. BOLTS SHALL BE HIGH STRENGTH A-325 BOLTS OF SAME SIZE AND NUMBER AS SHOWN ON DRAWINGS. CONNECTIONS SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A-325 OR A-490 BOLTS. CONNECTIONS ARE BEARING TYPE.

C. BOLTS SHALL BE TIGHTENED TO THE SNUG TIGHT CONDITION UNLESS OTHERWISE NOTED ON THE DRAWINGS.

3. WELDS:
A. MINIMUM SIZE OF WELD IS 3/16" AND (E70XX) UNLESS NOTED OTHERWISE.

B. ALL WELDING SHALL CONFORM TO THE LATEST "STRUCTURAL WELDING CODE" BY THE AMERICAN WELDING SOCIETY. ALL WORK SHALL BE PERFORMED BY CERTIFIED WELDERS EXPERIENCED IN THE TYPE OF CONSTRUCTION INVOLVED. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE.

4. PROVIDE ALL SUPPORTING STEEL NOT INDICATED ON PLAN AS REQUIRED FOR THE INSTALLATION OF MECHANICAL EQUIPMENT AND MATERIALS, INCLUDING ANGLES, CHANNELS, BEAMS, HANGERS, ETC. DO NOT SUPPORT EQUIPMENT OR PIPING FROM METAL DECKING.

5. STEEL STAIRS:
ENGINEERED CONCRETE FILLED STEEL STAIR SYSTEM AND ALL CONNECTIONS OF THE SAME TO THIS STRUCTURE SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. SUBMIT SHOP DRAWINGS BEARING THE SEAL AND THE SIGNATURE OF THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. THE CONFIGURATION OF THE STEEL STAIR SYSTEM SHALL BE SHOWN ON THE ARCHITECTURAL DRAWINGS. STEEL STAIR SYSTEM AND ALL CONNECTIONS SHALL BE DESIGNED FOR ALL APPLICABLE LOADS AS INDICATED ON THE PLANS AND IN ALL APPLICABLE BUILDING CODES. THE LOADS SHALL BE CLEARLY INDICATED ON ALL SHOP DRAWINGS. SHOP DRAWINGS SHALL SHOW AND SPECIFY ALL CONNECTIONS UTILIZED WITHIN THE STEEL STAIR SYSTEM AS WELL AS CONNECTIONS TO AND LOADS IMPOSED UPON THE STRUCTURAL SYSTEM SHOWN OF THESE PLANS.

COLD FORMED METAL FRAMING NOTES:

1. METAL FRAMING:
NON-STANDARD SSMA METAL FRAMING MEMBER (CEE (C), TRACK, ZEE (Z) & HAT CHANNELS) DIMENSIONS, CONFIGURATIONS AND SECTION PROPERTIES SHALL COMPLY WITH THE 2007 AISI, COLD-FORMED STEEL DESIGN SPECIFICATIONS

2. USE STEEL TO FORM ZINC COATED (GALVANIZED) NON-STANDARD SSMA METAL FRAMING MEMBERS TO MEET THE PHYSICAL AND CHEMICAL PROPERTIES OF ASTM A653, GRADE 55 (F75-55 KSI), AND G60 COATING DESIGNATION AS DESCRIBED IN ASTM A 924

3. USE STEEL TO FORM PRIMED NON-STANDARD SSMA METAL FRAMING MEMBERS TO MEET THE PHYSICAL AND CHEMICAL PROPERTIES OF ASTM A1011, GRADE 55 (F75-55 KSI).

4. SUBMIT SHOP DRAWING INDICATING MEMBER DIMENSIONS, CONFIGURATIONS, SECTION PROPERTIES, COATING DETAIL OF FABRICATION, DETAILS OF ATTACHMENT TO ADJOINING WORK AND DETAILS OF ALL FASTENERS INCLUDING LOCATION AND SPACING OF ALL FASTENERS ATTACHING FRAMING TO ITSELF.

5. SHOP DRAWING SUBMITTAL TO INCLUDE PLANS, ELEVATIONS, SECTIONS AND DETAILS.

6. SUBMIT SHOP DRAWINGS INCLUDING CALCULATIONS PREPARED, SIGNED AND SEALED BY A ENGINEER LICENSED WITH AND ACTIVE REGISTRATION IN THE STATE WHERE THE PROJECT IS LOCATED.

7. SCREWS SHALL BE SELF DRILLING TYPE SCREWS OF THE OF THE MINIMUM DIAMETER INDICATED ON PLANS AND DETAILS WITH A MIN PENETRATION THROUGH JOINED MATERIAL OF NOT LESS THAN (3) EXPOSED THREADS.

8. SCREW SPACING AND EDGE DISTANCES SHALL BE (3) SCREW DIAMETERS WITH A MIN 1/2" DIMENSION.

9. SCREW SHALL HAVE A PROTECTIVE COATING OF NOT LESS THAN THE JOINED MEMBER PROTECTIVE COATING.

10. ALL BOLTS FOR CONNECTIONS SHALL CONFORM TO ASTM A325

11. DO NOT ALTER, CUT OR REMOVE MEMBERS OR CONNECTIONS OF MEMBERS WITH PRIOR WRITTEN APPROVAL OF ENGINEER.

12. FIELD TOUCH UP ALL FIELD WELDS AND ABRASIONS OF GALVANIZED MATERIALS WITH ZINC RICH PAINT IN ACCORDANCE WITH ASTM A 780, ANNEX A2. TOUCH UP WORK SHALL BE COMPLETED PRIOR TO ATTACHMENT OF THE WORK OF ANY OTHER SECTIONS TO THE LIGHT GAUGE STEEL FRAMING.

13. STANDARD SSMA METAL STUD AND TRACK FRAMING

A. METAL STUD STRENGTH CRITERIA:
1. 18 MIL TO 43 MIL - 33 KSI MIN. YIELD STRESS
2. 54 MIL TO 97 MIL - 50 KSI MIN. YIELD STRESS
3. RUNNER TRACK - 33 KSI MIN. YIELD STRESS (UNO)
DO NOT USE STUDS LESS THAN 43 MIL FOR ANY EXTERIOR WALL USED TO BACK-UP BRICK VENEER.

8. ATTACH METAL FRAMING TO PRIMARY STRUCTURE WITH A DEFLECTION TRACK OR A STEEL NETWORK INC. VERTICAL DEFLECTION CLIPS CAPABLE OF ALLOWING 1" OF VERTICAL DEFLECTION.

14. METAL STUD FASTENERS:
A. SCREW CONNECTIONS
USE #10-16 KWIK-FLEX SELF-DRILLING SCREWS OR APPROVED EQUAL UNLESS OTHERWISE NOTED. 4 SCREWS PER C CONNECTION MIN. UNLESS NOTED OTHERWISE OR A PRE-ENGINEERED TRUSS.
B. POWER DRIVEN FASTENERS:

1. FASTENING TO CONCRETE:
USE 0.145" DIA. DOME HEAD NAIL TYPE "X-ZP" BY HILTI OR APPROVED EQUAL UNLESS NOTED OTHERWISE.
MIN. EMBEDMENT = 1 1/4" MIN. EDGE DISTANCE = 2"
MIN. SPACING = 3"

2. FASTENING TO STEEL:
USE 0.145" DIA. DOME HEAD KNURLED SHANK FASTENER TYPE "X-EDN" BY HILTI OR APPROVED EQUAL UNLESS NOTED OTHERWISE.
MIN. EMBEDMENT = FULL PENETRATION
MIN. EDGE DISTANCE = 1/2"
MIN. SPACING = 1 1/2" MAX. SPACING 12"

ROOF FRAMING NOTES:

1. DESIGN ROOF JOIST FOR A NET UPLIFT OF 20 PSF (ASD) (UNO). NO 1/3 STRESS INCREASE ALLOWED.

2. 1.5" TYPE B ROOF DECK (ALL CANOPIES U.N.O.)

36/5 1.5" TYPE B X22GA (.0295") (3 SPAN MIN.)

ATTACH CANOPY DECK TO SUPPORTS WITH (#12 SCREWS) IN A 36/4 PATTERN WITH 6 SIDELAP FASTENERS (#10 SCREWS) PER SPAN. ATTACHMENT AT PERIMETER OF DECK SHALL BE EQUAL TO ATTACHMENT AT DECK SHEET LAPS AND DECK SHEET ENDS. ANY PARTIAL OR SKEWED SHEETS SHALL BE ATTACHED AT EVERY FLUTE REGARDLESS OF ATTACHMENT PATTERN.

3. 3" TYPE N ROOF DECK (MAIN ROOF)

24/4 3" TYPE N X22GA (.0295") (3 SPAN MIN.)

ATTACH ROOF DECK TO SUPPORTS WITH (#12 SCREWS) IN A 24/4 PATTERN WITH 7 SIDELAP FASTENERS (#10 SCREWS) PER SPAN. ATTACHMENT AT PERIMETER OF DECK SHALL BE EQUAL TO ATTACHMENT AT DECK SHEET LAPS AND DECK SHEET ENDS. ANY PARTIAL OR SKEWED SHEETS SHALL BE ATTACHED AT EVERY FLUTE REGARDLESS OF ATTACHMENT PATTERN.

4. ROOF SYSTEM IS DESIGNED FOR MECHANICAL EQUIPMENT SHOWN. NOTIFY ARCH/ENGINEER IF ADDITIONAL EQUIPMENT REQUIRED OR IF HEAVIER UNITS ARE SUPPLIED.

5. COORDINATE THE EXACT LOCATION AND EXTENT OF ROOF HATCH OPENINGS WITH ARCH. DRAWINGS.

FLOOR FRAMING NOTES:

3. FLOOR SLAB SHALL BE 5 1/2" (TOTAL THICKNESS) WITH NORMAL WEIGHT CONCRETE (F'c=3000 PSI) ON 3" 20 GAUGE COMPOSITE METAL DECK (50 FY) (NEW MILLENNIUM 3.0 CD OR EQUAL). REINFORCE SLAB WITH WWWR #6X6-W1-4XW1-4 LOCATED AT MID-DEPTH OF SLAB.

4. ATTACHMENT OF FLOOR DECK TO SUPPORTS WITH (#12 TEK SCREWS) IN A 36/4 PATTERN WITH 4 SIDE LAPS PER SPAN (#10 SCREWS). ATTACHMENT AT PERIMETER OF DECK SHALL BE EQUAL TO ATTACHMENT AT DECK SIDE LAPS AND DECK SHEET ENDS. ANY PARTIAL OR SKEWED SHEETS SHALL BE ATTACHED AT EVERY FLUTE REGARDLESS OF ATTACHMENT PATTERN.

36/4 3" TYPE 30CD 20GA (.0358") (3 SPAN MIN.) (G60 GALVANIZED)

5. SUSPENDED CEILINGS, LIGHT FIXTURES, DUCTS AND OTHER PERMANENT SUSPENDED LOADS SHALL NOT BE SUPPORTED BY THE METAL DECKING.

6. PROVIDE 5 1/2"x5" LVL 14GA CONT. POURSTOP ANGLE AT ALL DECK EDGES AND AROUND ALL OPENINGS IN FLOOR SLAB.

7. PROVIDE 6"x4"x1/4" LVL ANGLE AT ALL DECK EDGES SUPPORTED ON CMU WALLS.

SPECIAL INSPECTIONS:

A. THE SPECIAL INSPECTOR SHALL BE ENGAGED BY THE OWNER. SPECIAL INSPECTOR SHALL BE FULLY QUALIFIED, APPROVED BY THE BUILDING OFFICIAL, REGISTERED BY APPLICABLE REGISTRATION BOARD IF REQUIRED BY THE LOCAL BUILDING OFFICIAL, AND SHALL BE ACCEPTABLE TO THE ARCHITECT.

B. THE SPECIAL INSPECTOR SHALL PROVIDE VERIFICATION OF CONSTRUCTION QUALITY CONTROL INSPECTIONS AND TESTING. THE SPECIAL INSPECTOR SHALL CERTIFY THAT ALL WORK REQUIRING INSPECTION IS PERFORMED IN COMPLIANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS, BUILDING CODE REQUIREMENTS AND LOCAL BUILDING DEPARTMENT REQUIREMENTS.

C. SPECIAL INSPECTIONS ARE REQUIRED FOR THE ITEMS NOTED IN THE STATEMENT OF SPECIAL INSPECTIONS AND THE 2012 IBC CHAPTER 17. THE CONTRACTOR SHALL OBTAIN A COPY OF THE STATEMENT OF SPECIAL INSPECTIONS AND NOTIFY THE SPECIAL INSPECTOR WHEN WORK IS READY TO BE INSPECTED.

D. FAILURE TO NOTIFY THE SPECIAL INSPECTOR PRIOR TO OBSCURING AN ITEM REQUIRING INSPECTION MAY RESULT IN THE CONTRACTOR REMOVING OTHER WORK TO ALLOW INSPECTION. THIS WORK WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. FAILURE TO HAVE REQUIRED ITEMS INSPECTED IS REASON FOR REJECTION OF THE WORK.

E. PREMATURE NOTIFICATION FOR INSPECTIONS WILL RESULT IN ADDITIONAL INSPECTION WITH ALL EXPENSES AND FEES PAID FOR BY THE CONTRACTOR.

SHEAR WALL AND WALL PANEL NOTES

1. 26 GAUGE PBU WALL PANELS WHERE NOTED, ALL OTHER PANELS SHALL BE 29 GAUGE PBU WALL PANELS. ALL WALL PANELS SHALL BE GRADE 80

2. ATTACH ALL PBU PANEL ENDS TO SUPPORTS WITH #12 TEK SCREWS AT 6" o.c. AND TO INTERMEDIATE SUPPORTS AT 12" o.c.

3. SIDELAP ATTACHMENT FOR WALLS DESIGNATED AS SHEAR WALLS ON THE PLANS SHALL BE #12 TEK SCREWS AT 12" o.c. (20" o.c. FOR ALL OTHER WALL). FOR WALLS DESIGNATED AS SHEAR WALLS ON THE PLANS, FASTEN BOTTOM EDGE OF PANEL TO BOTTOM TRACK WITH #12x23/4" TEK SCREW PANEL FASTENERS @ 12" o.c. (20" o.c. FOR ALL OTHER WALL).

4. ALL PERIMETER PANELS SHALL BE FULL HEIGHT 29 GAUGE PBU WALL PANELS

5. ALL INTERIOR PANELS SHALL BE 8'-4" HIGH. COORDINATE EXACT PANEL HEIGHT WITH ARCHITECTURAL.

6. THERE SHALL BE A DOUBLE STUD AT EACH END OF EACH SHEAR WALL AT THE LEVEL OF THE SHEAR WALL AND ALL LEVELS BELOW WITH THE EXCEPTION OF SHEAR WALLS AT THE ROOF LEVEL. THE DOUBLE STUD SIZE, TYPE AND GAUGE SHALL BE EQUAL TO THE SHEAR WALL FRAMING MEMBERS AT EACH LEVEL.

7. SCREWS SHALL BE SELF DRILLING TYPE SCREWS WITH A MIN PENETRATION THROUGH JOINED MATERIAL OF NOT LESS THAN (3) EXPOSED THREADS.

8. SHEAR WALLS DESIGNATED ON A LEVEL ARE THE WALLS BELOW THAT LEVEL.

SW-1 29 GAUGE PBU PANEL ON ONE SIDE OF WALL TO 8'-4" MINIMUM WITH STRAP BRACES ABOVE TOP OF PANEL

SW-2 26 GAUGE PBU PANEL ON ONE SIDE OF WALL TO 8'-4" MINIMUM WITH STRAP BRACES ABOVE TOP OF PANEL

REINFORCED MASONRY NOTES:

IMPORTANT:
SPECIAL INSPECTION IS REQUIRED FOR ALL MASONRY CONSTRUCTION.

1. ALL MASONRY WALLS SHALL HAVE CELLS REINFORCED AND DOWELED INTO FOUNDATION AS NOTED ON THE DRAWINGS. ALL MASONRY BELOW GRADE SHALL BE GROUTED SOLID.

2. REINFORCED CELLS WITH GROUT SHALL BE CONTINUOUS FROM FOUNDATION TO THE TOP OF THE WALL.

3. FILL REINFORCED CELLS WITH MECHANICALLY MIXED GROUT (2,500 PSI MIN.).

A. GROUT SHALL CONFORM TO ASTM C-476 (PROPORTION SPECIFICATION).
B. GROUT SHALL BE MIXED FOR AT LEAST 5 MINUTES IN MECHANICAL MIXER AND PLACED WITHIN 1 1/2 HOURS FROM THE INITIAL INTRODUCTION OF WATER AND PRIOR TO INITIAL SET.
C. BETWEEN GROUT POURS, A HORIZONTAL CONSTRUCTION JOINT SHALL BE FORMED BY STOPPING ALL CMU AT THE SAME ELEVATION AND WITH THE GROUT STOPPING A MINIMUM OF 1 1/2" BELOW A MORTAR JOINT. EXCEPT AT THE TOP OF THE WALL, WHERE BOND BEAMS OCCUR, THE GROUT POUR SHALL BE STOPPED A MINIMUM OF 1/2" BELOW THE TOP OF THE MASONRY.
D. CMU WALLS SHALL BE CONSTRUCTED USING LOW-LIFT GROUTING (6'-0" MAX. POUR HEIGHTS).
E. ALL EXTERIOR WALLS AND INTERIOR SHEAR WALLS ARE MARKED ON THE PLANS AS (SW). SEE SCHEDULE ON THIS SHEET FOR REINFORCEMENT.

4. ALL CONCRETE MASONRY SHALL HAVE A MINIMUM NET AREA COMPRESSIVE STRENGTH (f'm) OF 1500 PSI. (MSJC S1.4B-2B TABLE 2).

5. MORTAR SHALL BE TYPE S-(ASTM 270 TABLE 1) MORTAR PROPORTION SPECIFIED ON REQUIREMENTS).
A. THICKNESS OF BED JOINTS SHALL BE 3/8" EXCEPT THAT THE THICKNESS OF THE BED JOINT OF THE STARTING COURSE PLACED OVER FOUNDATIONS SHALL NOT BE LESS THAN 1/4" AND NOT MORE THAN 3/4".
B. MORTAR SHALL BE MIXED UNTIL MIXTURE IS UNIFORM THOUGHOUT.
C. UNUSED MORTAR SHALL BE DISCARDED WITHIN 2 1/2 HOURS AFTER INITIAL MIXING.

6. ALL MASONRY UNITS SHALL CONFORM TO ASTM C-90 AND HAVE A NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS EQUAL TO 1900 PSI (MSJC S1.4B-2B TABLE 2).

7. ALL WALLS SHALL BE CONSTRUCTED USING RUNNING BOND (U.N.O.).

7. REINFORCING STEEL SHALL CONFORM TO ASTM A615-GRADE 60. FOR WELDED REINFORCING USE ASTM A706-GRADE 60.

8. ALL MASONRY WALLS SHALL HAVE STANDARD HORIZONTAL (9 GA.) LADDER TYPE REINFORCING @ 16" o.c. JOINT REINFORCEMENT SHALL CONFORM TO ASTM A951.

9. COORDINATE REQUIRED TYPE, SIZE, GAUGE, AND SPACING OF STEEL ANCHORS FOR ATTACHMENT OF MASONRY VENEER WITH ARCH. DRAWINGS.

10. CONTROL JOINTS IN CONCRETE MASONRY SHALL HAVE A MAXIMUM SPACING OF 25'-0" o.c. (UNO). COORDINATE THE LOCATION OF BRICK EXPANSION JOINTS WITH ARCH. DWGS.

11. SLEEVE ALL PLUMBING OR FIRE PROTECTION PIPING THRU CMU WALLS.

12. REINFORCING BARS FOR VERTICAL FILLED CELLS SHALL BE LAPPED ACCORDING TO MASONRY LAP LENGTH TABLE 1, SEE THIS SHEET.

13. COORDINATE EXACT LOCATION AND EXTENT OF ALL OPENINGS IN MASONRY WALLS WITH ARCH. DRAWINGS.

14. MINIMUM MASONRY COVER FOR REINFORCING STEEL:
A. MASONRY EXPOSED TO WEATHER OR EARTH:
2" FOR BARS LARGER THAN #5
1 1/2" FOR #5 AND SMALLER BARS
B. MASONRY NOT EXPOSED TO WEATHER OF EARTH: 1 1/2"

REINFORCED CONCRETE NOTES:

1. STRUCTURAL MEMBERS OF REINFORCED CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH AC308.

2. ALL CONCRETE SHALL HAVE A SLUMP OF 4" (+/-) AND A MINIMUM 28 DAY COMPRESSIVE STRENGTH:
A. FOOTINGS: 3000 PSI (0.50 MAXIMUM WATER/CEMENT RATIO).
B. WALLS: 3000 PSI (0.50 MAXIMUM WATER/CEMENT RATIO).
C. SLAB ON GRADE: 3000 PSI (0.40 LBS/CUBIC YARD MINIMUM CEMENTITIOUS MATERIAL) (0.50 MAXIMUM WATER/CEMENT RATIO).

3. ALL STEEL REINFORCEMENT SHALL BE ASTM 615-GRADE 60. ALL WELDED STEEL REINFORCEMENT SHALL BE ASTM A706-GRADE 60. WELDED WIRE REINFORCEMENT SHALL BE ASTM A185. ALL WELDED REINFORCEMENT SHALL BE IN ACCORDANCE WITH AWS D1.4.

4. MINIMUM CONCRETE COVER FOR REINFORCING STEEL: (UNO)

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"

B. CONCRETE EXPOSED TO EARTH AND WEATHER:
#5 REBAR AND SMALLER: 1 1/2"
#6 REBAR AND LARGER: 2"

C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH. SLABS, WALLS, AND JOISTS:
#14 OR #18 REBARS: 1 1/2"
#11 REBAR AND SMALLER: 3/4"
BEAMS AND COLUMNS: 1 1/2"

5. UNLESS NOTED OTHERWISE, CAST IN PLACE CONCRETE SHALL HAVE THE FOLLOWING STEEL ADDED AROUND ALL OPENINGS:
2-#5 (LENGTH OF OPENING+48") ALONG EACH SIDE OF OPENING AND TWO (2)-#5x45'-0" DIAGONALLY AT EACH CORNER.

6. ALL CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE AT JOB SITE.

7. ALL LAP SPICE LENGTHS SHALL BE AS SHOWN IN TABLE 2 THIS SHEET

COMPONENT AND CLADDING (MAIN ROOF)

ZONE	AREA (SF)	MAX (+) (PSF)	MAX (-) (PSF)	REMARKS
ZONE 1	10	+16.0	-44.08	
	100	+16.0	-40.31	
ZONE 2	10	+17.98	-73.95	
	100	+16.0	-47.85	
ZONE 3	10	+17.98	-111.36	
	100	+16.0	-47.85	

COMPONENT AND CLADDING (WALLS)

ZONE	AREA (SF)	MAX (+) (PSF)	MAX (-) (PSF)	REMARKS
ZONE 4	10	+44.08	-47.85	
	500	+32.92	-36.54	
ZONE 5	10	+44.08	-55.1	
	500	+32.92	-36.54	

WIND TABLE NOTES:
1. LOADS BASED ON ASCE 7-10
2. a=13 FT

REINFORCED CONCRETE TENSION LAP SPICE LENGTHS		
TABLE 2 (INCHES)		
BAR SIZE	f'c=3000 PSI	f'c=4000 PSI
#3	25	21.3
#4	33	29
#5	41	36
#6	49	43
#7	72	62



REVISIONS

PROJECT

924 Northside Drive Storage

ADDRESS
924 Northside Drive NW
Atlanta, GA 30318

CLIENT

Broward Management, LLC

ADDRESS
6780 Roswell Rd, Suite C-200
Sandy Springs, GA 30328

SHEET TITLE

FIRST FLOOR FRAMING PLAN

Date: 10-01-2018

PROJECT NUMBER
18-115

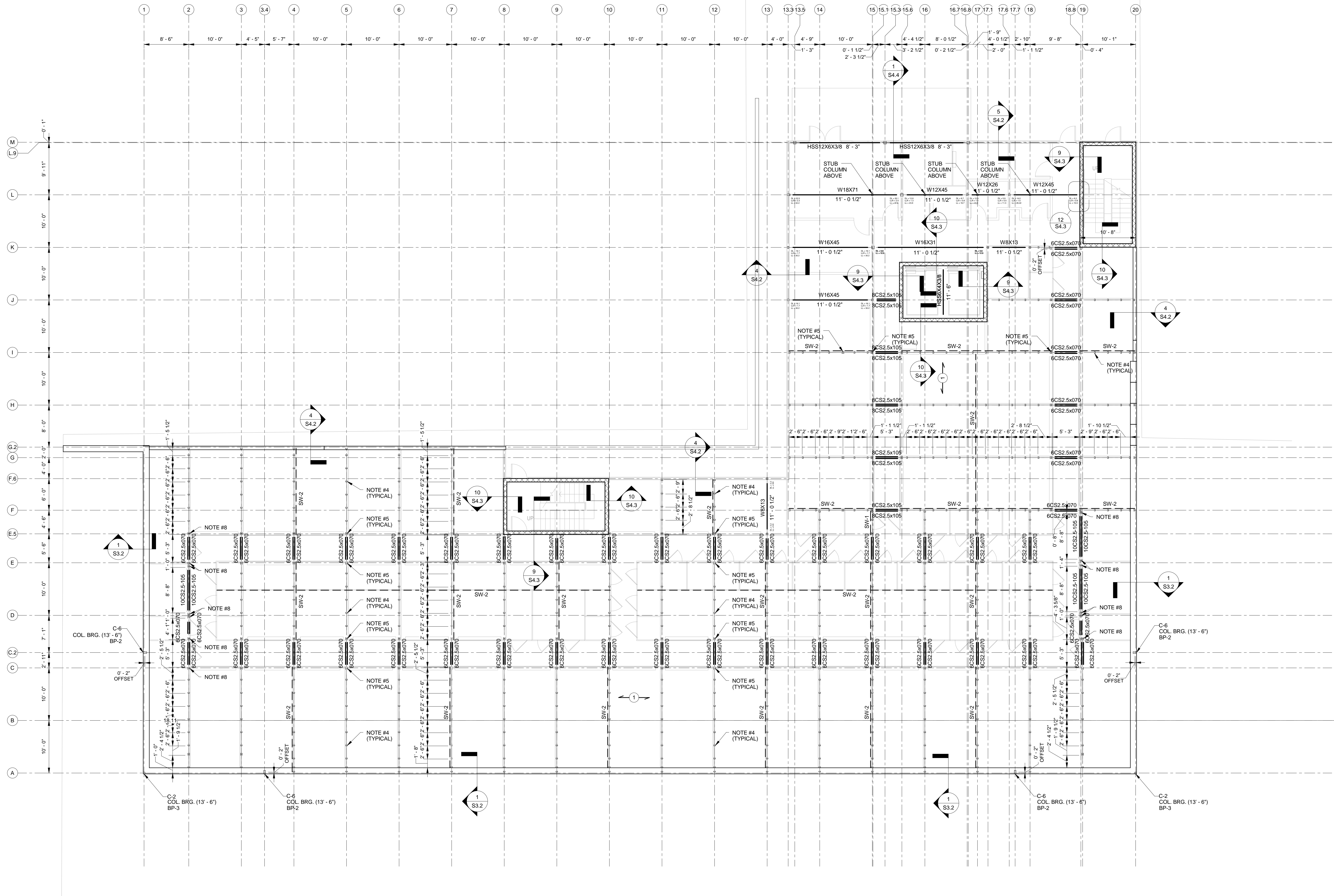
SHEET NUMBER

S2.1

1. CONCRETE FLOOR SLAB TO BE 5/12" TOTAL 3,000 PSI CONCRETE SLAB W/ 6"x6" W1.4xW1.4 WWF AND 3" 20 GAUGE VLI COMPOSITE DECK (OR EQUAL) W/ #12 TEK SCREWS IN 36/4 PATTERN & (4) #10 TEK SCREWS AT SIDELAPS, TYPICAL, 50 KSI = Fy
2. (2) 6CS2.5x0.70 HEADER (SEE HEADER CONNECTION SCHEDULE)
3. (2) 10CS2.5x1.05 HEADER (SEE HEADER CONNECTION SCHEDULE)
4. 6CS2.5x1.05 "CEE" TYPE METAL STUDS @ 30" O.C. AT ALL INTERIOR BEARING WALL (BELOW), TYPICAL
5. (2) 6CS2.5x1.05 DOUBLE STUDS (BACK TO BACK) AT ALL INTERIOR BEAM ENDS, (BELOW), U.N.O.
6. ALL INTERIOR DOORS AND NON-BEARING PARTITION WALLS BY OTHERS, TYP.
7. USE 6CS2.5x0.70 GAUGE "C" TYPE METAL STUDS AT 24" O.C. AT ALL EXTERIOR WALLS BELOW, (TYP), PROVIDE DOUBLE FULL HEIGHT STUD AT EACH AT ALL WALL OPENINGS
8. (2) 6CS2.5x1.05 DOUBLE STUDS (BACK TO BACK) AT EACH ROLL-UP DOOR JAMB, (BELOW), U.N.O.
9. (2) 12CS4.0x1.05 HEADER (SEE HEADER CONNECTION SCHEDULE)
10. PROVIDE ELEVATOR RAIL ATTACHMENT AT EACH FLOOR LEVEL, CAST INTO FLOOR SLAB) TYPICAL
11. TRANSVERSE NON-LOAD BEARING SHEAR WALLS SHALL BE 4CS2.0x0.59 "C" TYPE METAL STUDS @ 2'-6" o.c. TYPICAL
12. (2) 10CS2.0-105 BOX HEADER w/ (12) #12 TEK SCREWS AT EACH END ON EACH SIDE.

DO NOT PLACE OR OPERATE RIDING TROWELS ON FRAMED FLOORS.

ALTERNATE:
CONCRETE FLOOR SLAB TO BE 4 1/2" TOTAL 3,000 PSI CONCRETE SLAB W/ 6"x6" W1.4xW1.4 WWF AND 2" 18 GAUGE VLI COMPOSITE DECK (OR EQUAL) W/ #12 TEK SCREWS IN 36/4 PATTERN & (4) #10 TEK SCREWS AT SIDELAPS, TYPICAL, 50 KSI Fy



1 First Floor Framing Plan
1/8" = 1'-0"

ISSUED FOR CONSTRUCTION



REVISIONS

PROJECT
924
Northside
Drive Storage

ADDRESS
924 Northside Drive NW
Atlanta, GA 30318

CLIENT
Broward
Management,
LLC

ADDRESS
6780 Roswell Rd, Suite C-200
Sandy Springs, GA 30328

SHEET TITLE
SECOND
FLOOR
FRAMING PLAN

Date:
10-01-2018

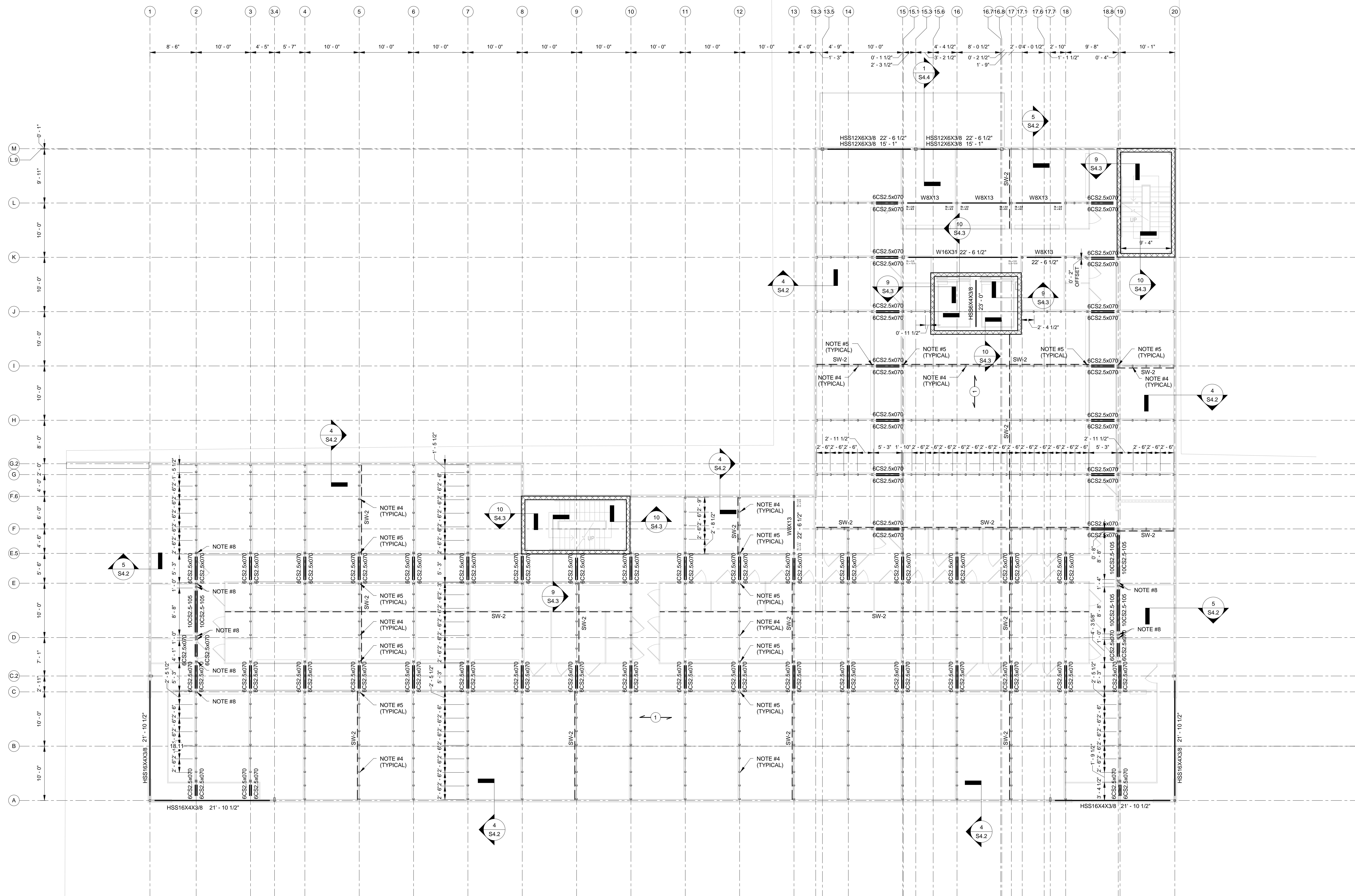
PROJECT NUMBER
18-115

SHEET NUMBER
S2.2

1. CONCRETE FLOOR SLAB TO BE 5 1/2" TOTAL 3,000 PSI CONCRETE SLAB W/ 6"x6" W1.4xW1.4 WWF AND 3", 20 GAUGE CD COMPOSITE DECK (OR EQUAL) W/ #12 TEK SCREWS IN 36"4 PATTERN & (4) #10 TEK SCREWS AT SIDELAPS, TYPICAL, 50 KSI = Fy
2. (2) 6CS2.5x070 HEADER (SEE HEADER CONNECTION SCHEDULE)
3. (2) 10CS2.5x105 HEADER (SEE HEADER CONNECTION SCHEDULE)
4. 4CS2.5x070 "C" TYPE METAL STUDS @ 30" O.C. AT ALL INTERIOR BEARING WALL (BELOW), TYPICAL.
5. (2) 4CS2.5x070 DOUBLE STUDS (BACK TO BACK) AT ALL INTERIOR BEAM ENDS, (BELOW), U.N.O.
6. ALL INTERIOR DOORS AND NON-BEARING PARTITION WALLS BY OTHERS, TYP.
7. USE 4CS2.5x070 GAUGE "C" TYPE METAL STUDS AT 24" O.C. AT ALL EXTERIOR WALLS BELOW, (TYP), PROVIDE DOUBLE FULL HEIGHT STUD AT EACH AT ALL WALL OPENINGS.
8. (2) 4CS2.5x105 DOUBLE STUDS (BACK TO BACK) AT EACH ROLL-UP DOOR JAMB, (BELOW), U.N.O.
9. (2) 10CS2.0-105 BOX HEADER W (12) #14 TEK SCREWS AT EACH END ON EACH SIDE.
10. PROVIDE ELEVATOR RAIL ATTACHMENT AT EACH FLOOR LEVEL (CAST INTO FLOOR SLAB) TYPICAL.
11. TRANSVERSE NON-LOAD BEARING SHEAR WALLS SHALL BE 4CS2.5x055 "C" TYPE METAL STUDS @ 2'-6" o.c. TYPICAL.

DO NOT PLACE OR OPERATE RIDING
TROWELS ON FRAMED FLOORS.

ALTERNATE:
CONCRETE FLOOR SLAB TO BE 4 1/2" TOTAL 3,000 PSI CONCRETE SLAB W/ 6"x6" W1.4xW1.4 WWF AND 2", 18 GAUGE VLI COMPOSITE DECK (OR EQUAL) W/ #12 TEK SCREWS IN 36"4 PATTERN & (4) #10 TEK SCREWS AT SIDELAPS, TYPICAL, 50 KSI Fy



Second Floor Framing Plan

1/8" = 1'-0"

ISSUED FOR CONSTRUCTION



REVISIONS

PROJECT
924
Northside
Drive Storage

ADDRESS
924 Northside Drive NW
Atlanta, GA 30318

CLIENT
Broward
Management,
LLC

ADDRESS
6780 Roswell Rd, Suite C-200
Sandy Springs, GA 30328

SHEET TITLE
THIRD FLOOR
FRAMING PLAN

Date:
10-01-2018

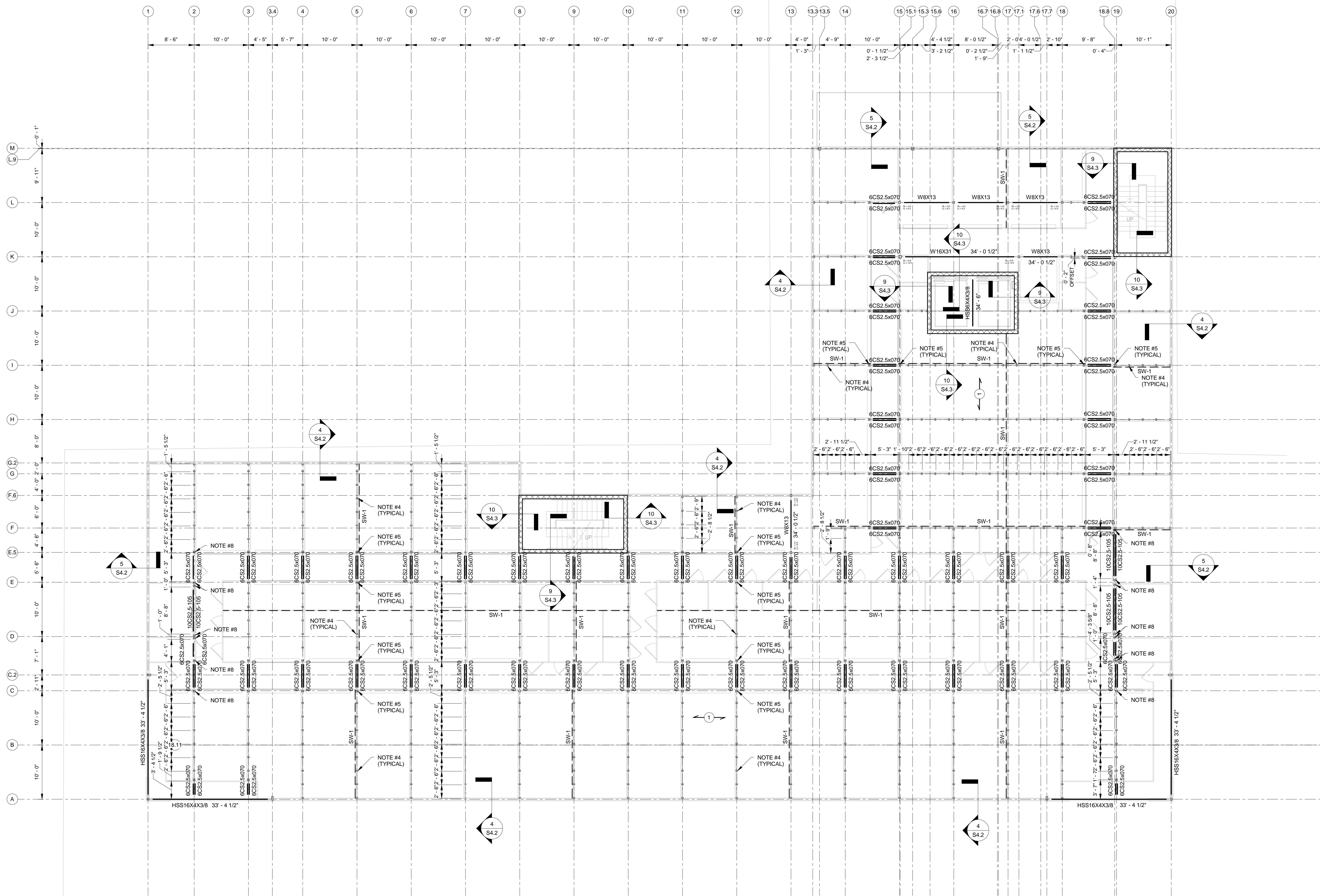
PROJECT NUMBER
18-115

SHEET NUMBER
S2.3

1. CONCRETE FLOOR SLAB TO BE: 5 1/2" TOTAL 3,000 PSI CONCRETE SLAB W/ 6"x6" W1.4W1.4 WWF AND 3", 20 GAUGE COMPOSITE DECK (OR EQUAL) W/ #12 TEK SCREWS IN 36/4 PATTERN & (4) #10 TEK SCREWS AT SIDELAPS, TYPICAL, 50 KSI = Fy
2. (2) 6CS2.5x070 HEADER (SEE HEADER CONNECTION SCHEDULE)
3. (2) 10CS2.5x105 HEADER (SEE HEADER CONNECTION SCHEDULE)
4. 4CS2.5x059 "CEE" TYPE METAL STUDS @ 30" O.C. AT ALL INTERIOR BEARING WALLS (BELOW), TYPICAL
5. (2) 4CS2.5x059 DOUBLE STUDS (BACK TO BACK) AT ALL INTERIOR BEAM ENDS (BELOW), U.N.O. PROVIDE DOUBLE "CEE" STUDS (BACK TO BACK) FROM THIS FRAMING LEVEL TO FOUNDATION BELOW, UNDER ALL DOUBLE "CEE" STUDS AT THIS LEVEL.
6. ALL INTERIOR DOORS AND NON-BEARING PARTITION WALLS BY OTHERS, TYP.
7. USE 4CS2.5x059 GAUGE "C" TYPE METAL STUDS AT 24" O.C. AT ALL EXTERIOR WALLS BELOW, (TYP), PROVIDE DOUBLE FULL HEIGHT STUD AT EACH AT ALL WALL OPENINGS.
8. (2) 4CS2.5x070 DOUBLE STUDS (BACK TO BACK) AT EACH ROLL-UP DOOR JAMB (BELOW), U.N.O. PROVIDE DOUBLE "CEE" STUDS (BACK TO BACK) FROM THIS FRAMING LEVEL TO FOUNDATION BELOW, UNDER ALL DOUBLE "CEE" STUDS AT THIS LEVEL.
9. (2) 8CS2.0-105 BOX HEADER w/ (12) #14 TEK SCREWS AT EACH END ON EACH SIDE.
10. PROVIDE ELEVATOR RAIL ATTACHMENT AT EACH FLOOR LEVEL (CAST INTO FLOOR SLAB) TYPICAL.
11. TRANSVERSE NON-LOAD BEARING SHEAR WALLS SHALL BE 4CS2.5x059 "C" TYPE METAL STUDS @ 2'-6" o.c. TYPICAL.

ALTERNATE:
CONCRETE FLOOR SLAB TO BE: 4 1/2" TOTAL 3,000 PSI CONCRETE SLAB W/ 6"x6" W1.4W1.4 WWF AND 2", 18 GAUGE VLI COMPOSITE DECK (OR EQUAL) W/ #12 TEK SCREWS IN 36/4 PATTERN & (4) #10 TEK SCREWS AT SIDELAPS, TYPICAL, 50 KSI Fy

DO NOT PLACE OR OPERATE RIDING
TROWELS ON FRAMED FLOORS.



1 Third Floor Framing Plan
S2.3 1/8" = 1'-0"

ISSUED FOR CONSTRUCTION

This structural floor plan illustrates the layout of a building deck, including columns, beams, stairs, and various structural notes. The plan is oriented with a grid system (1-20 horizontally, A-M vertically) and includes dimensions for all major components.

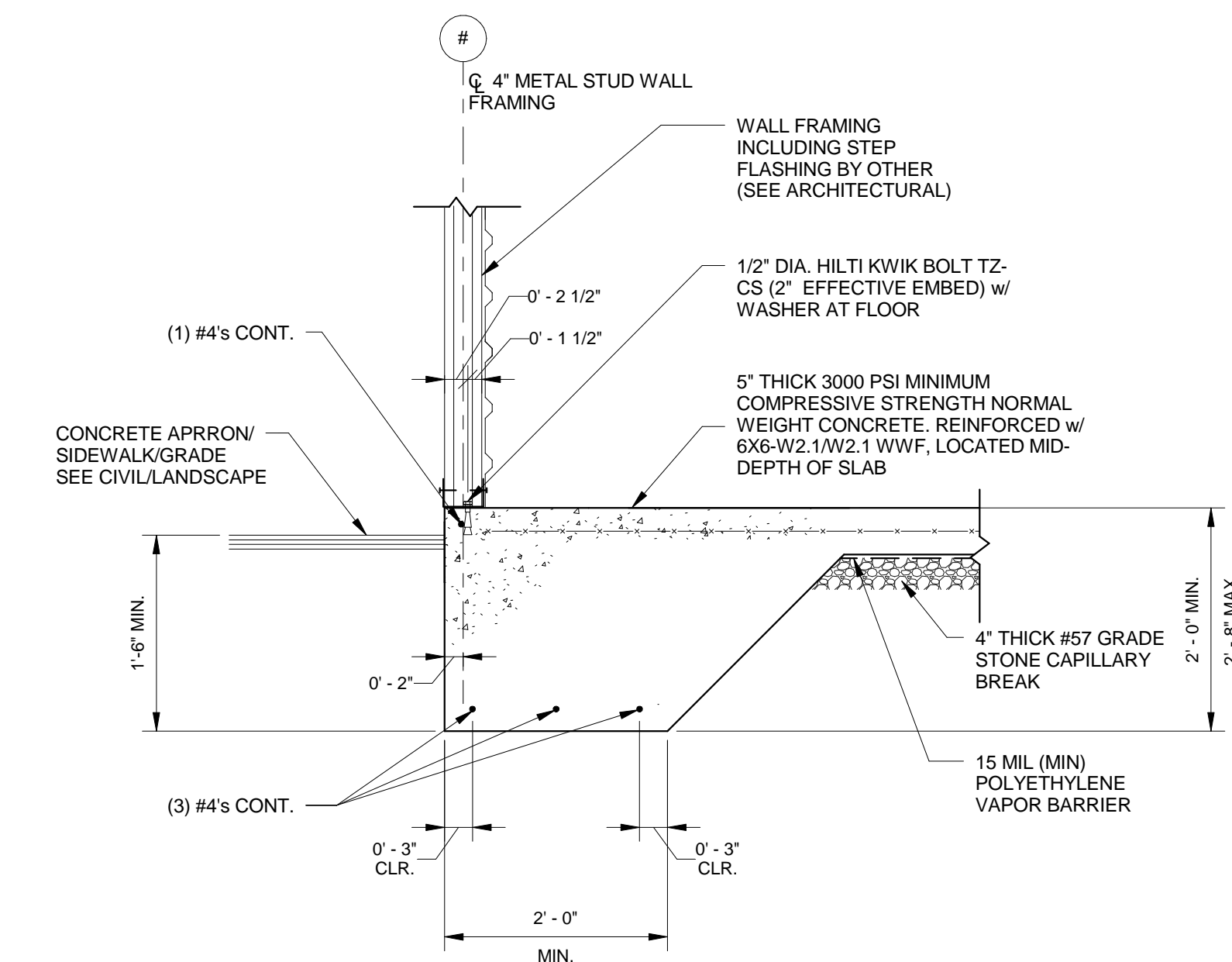
Key Features and Notes:

- Deck Bearing Elevation:** The plan specifies four different deck bearing elevations: (46' - 1 3/4"), (46' - 1"), (46' - 6 1/2"), and (45' - 6").
- Columns:** Columns are labeled with their size and location, such as HSS6x4x3/8 54" - 6" and HSS16x4x3/8 44" - 10 1/2".
- Beams:** Beams are labeled with their size and location, such as W8x10, W12x19, and W8x10.
- Stairs:** Stairs are shown with their location and direction, such as "DN" (down) and "UP".
- Notes:** The plan includes several notes, such as "NOTE #4 (TYPICAL)", "NOTE #5 (TYPICAL)", and "NOTE #8", which provide additional information about the structural details.
- Offsets:** The plan shows various offsets, such as "0' - 1" OFFSET" and "0' - 2" OFFSET", which indicate the relative positions of different structural elements.

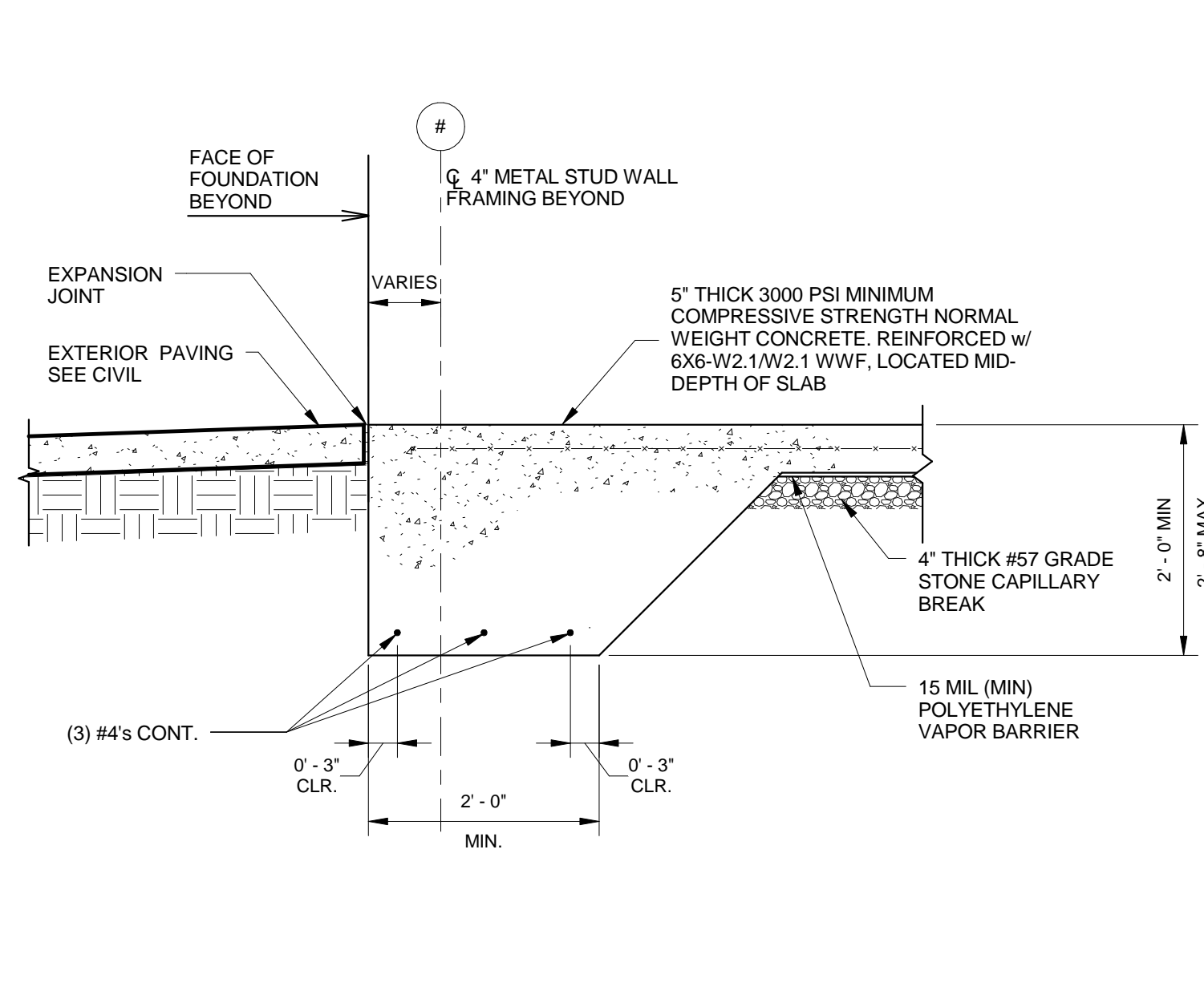
The plan is a detailed technical drawing that provides a clear and concise representation of the building deck's structural layout.

ISSUED FOR CONSTRUCTION

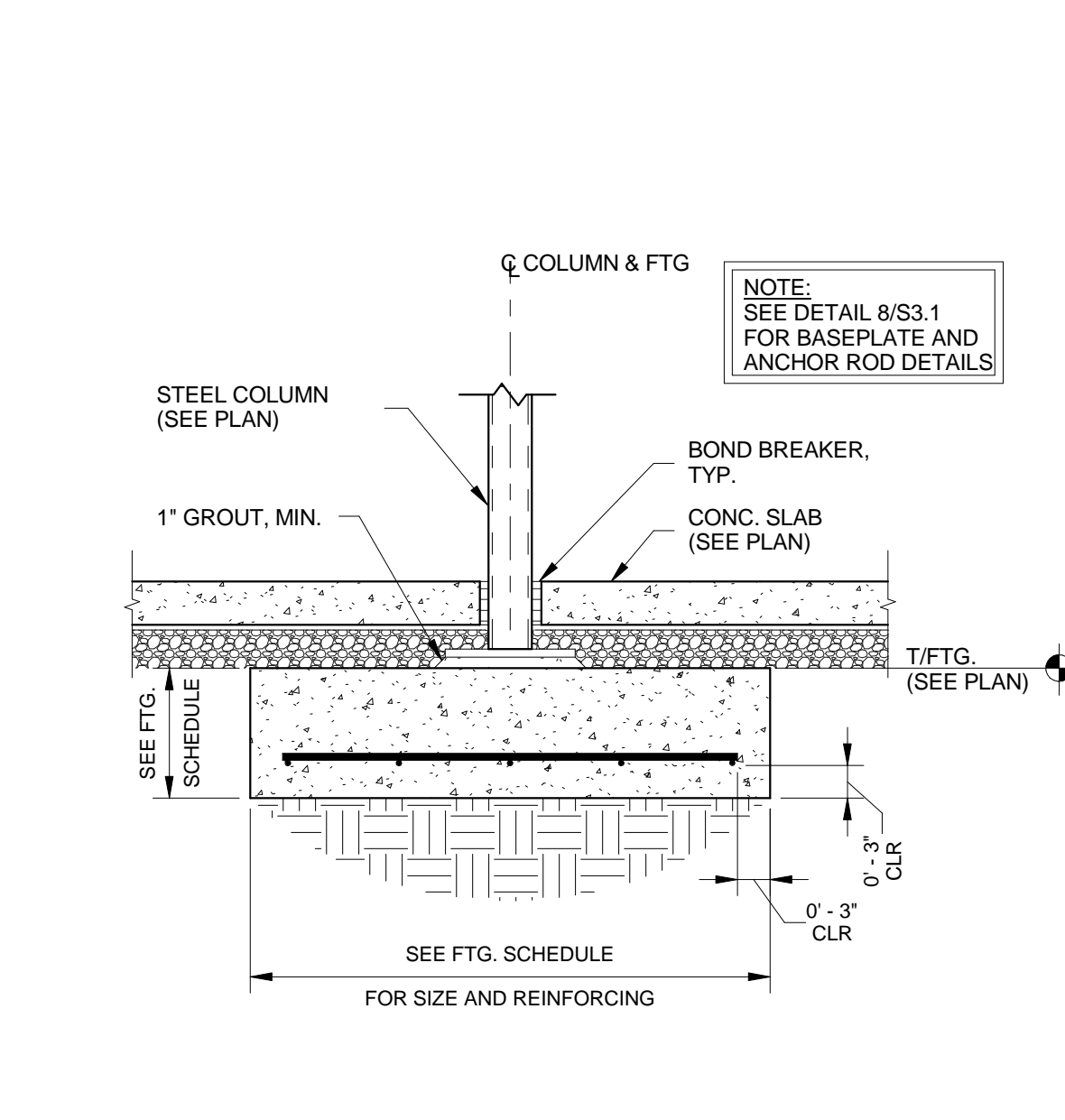
REVISIONS



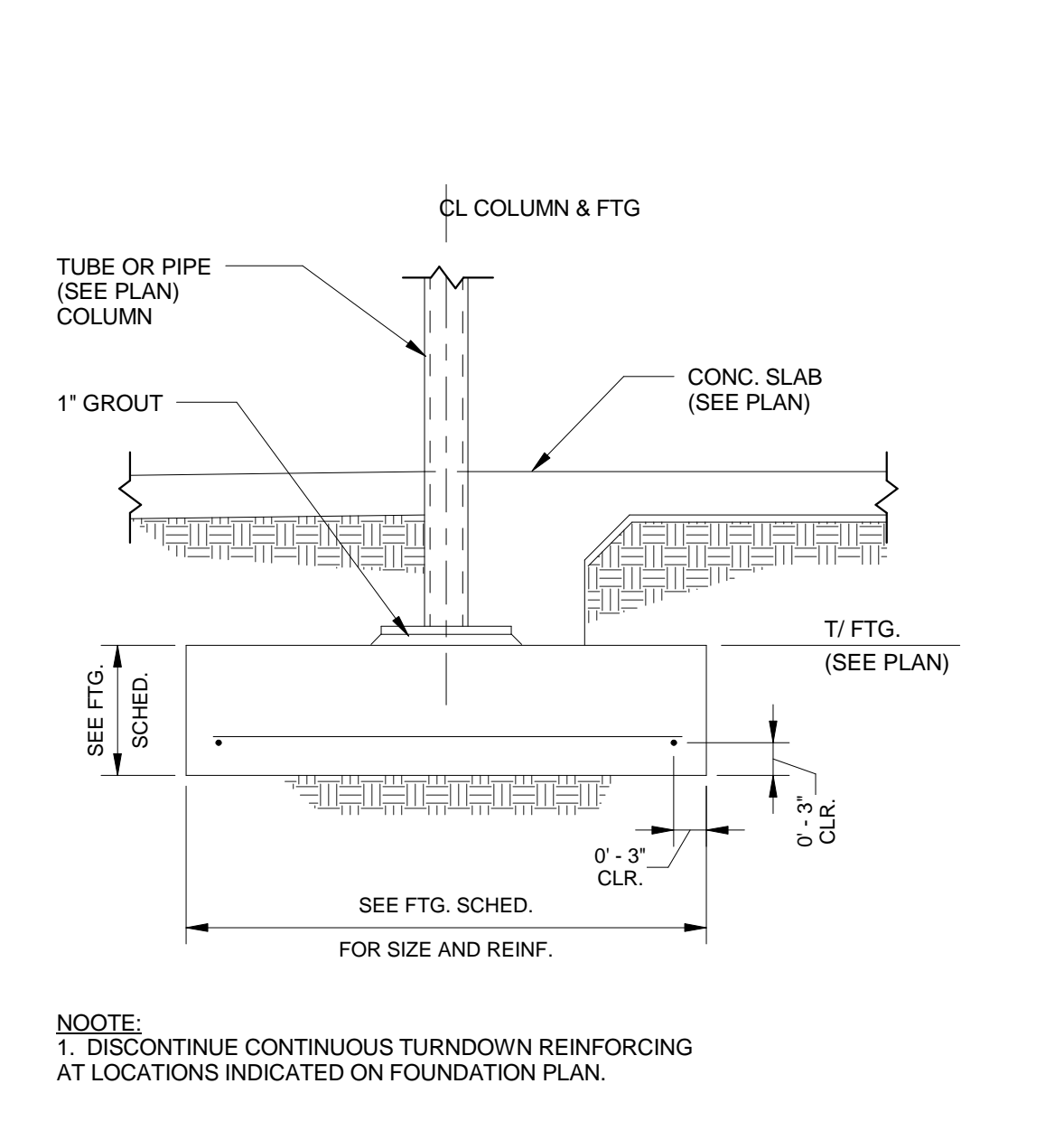
1
S3.1
FOOTING/WALL SECTION
3/4\" = 1'-0"



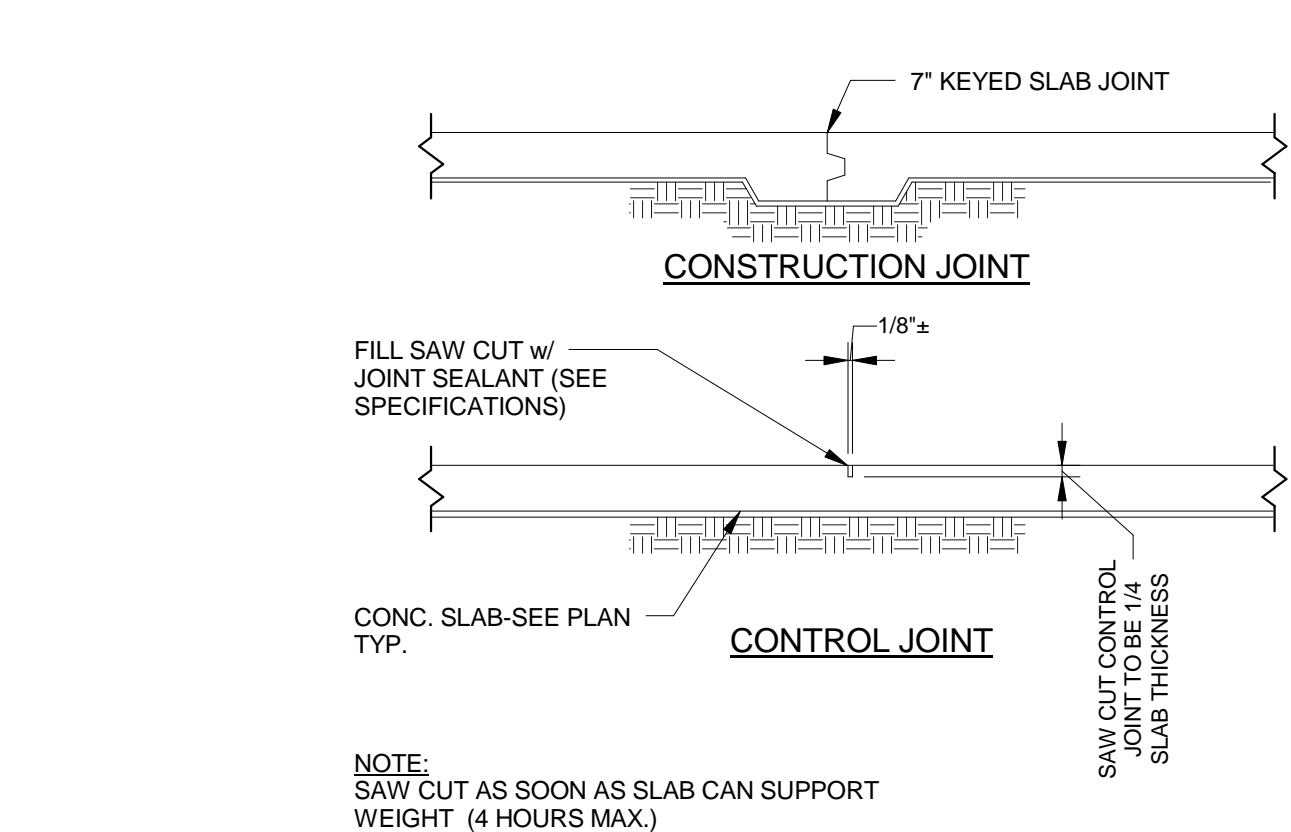
2
S3.1
TURNDOWN FOOTING SECTION
3/4\" = 1'-0"



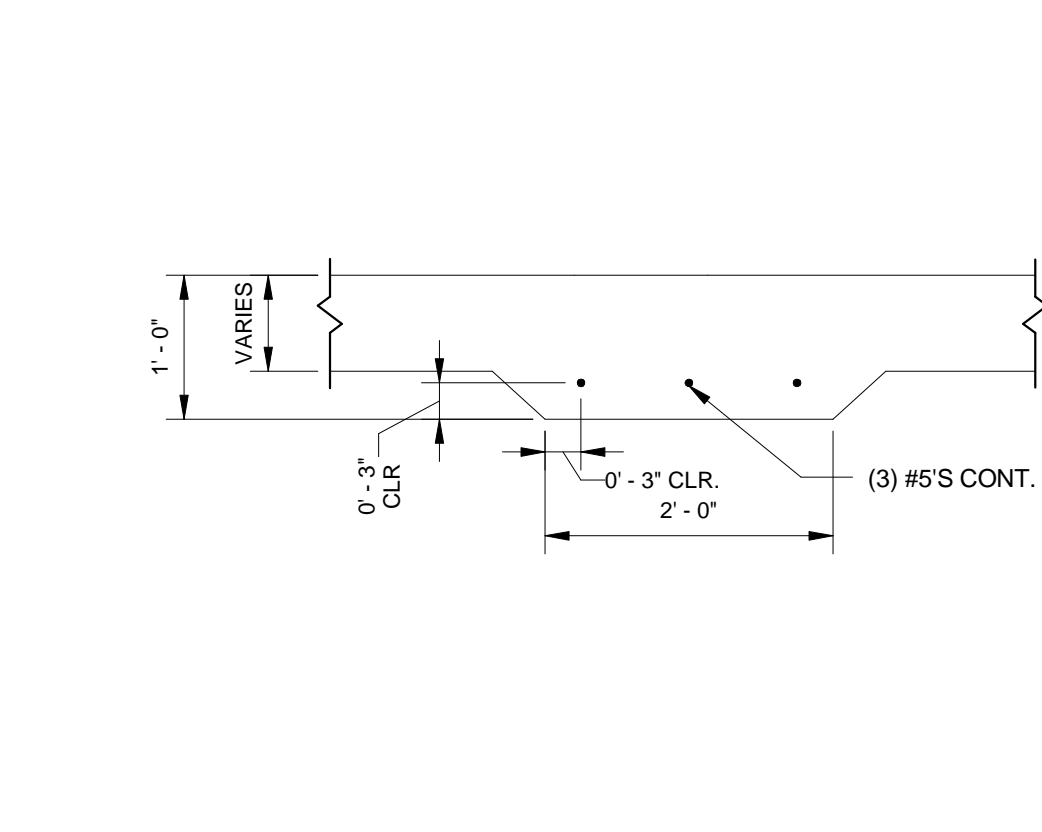
3
S3.1
COLUMN FOOTING DETAIL
3/4\" = 1'-0"



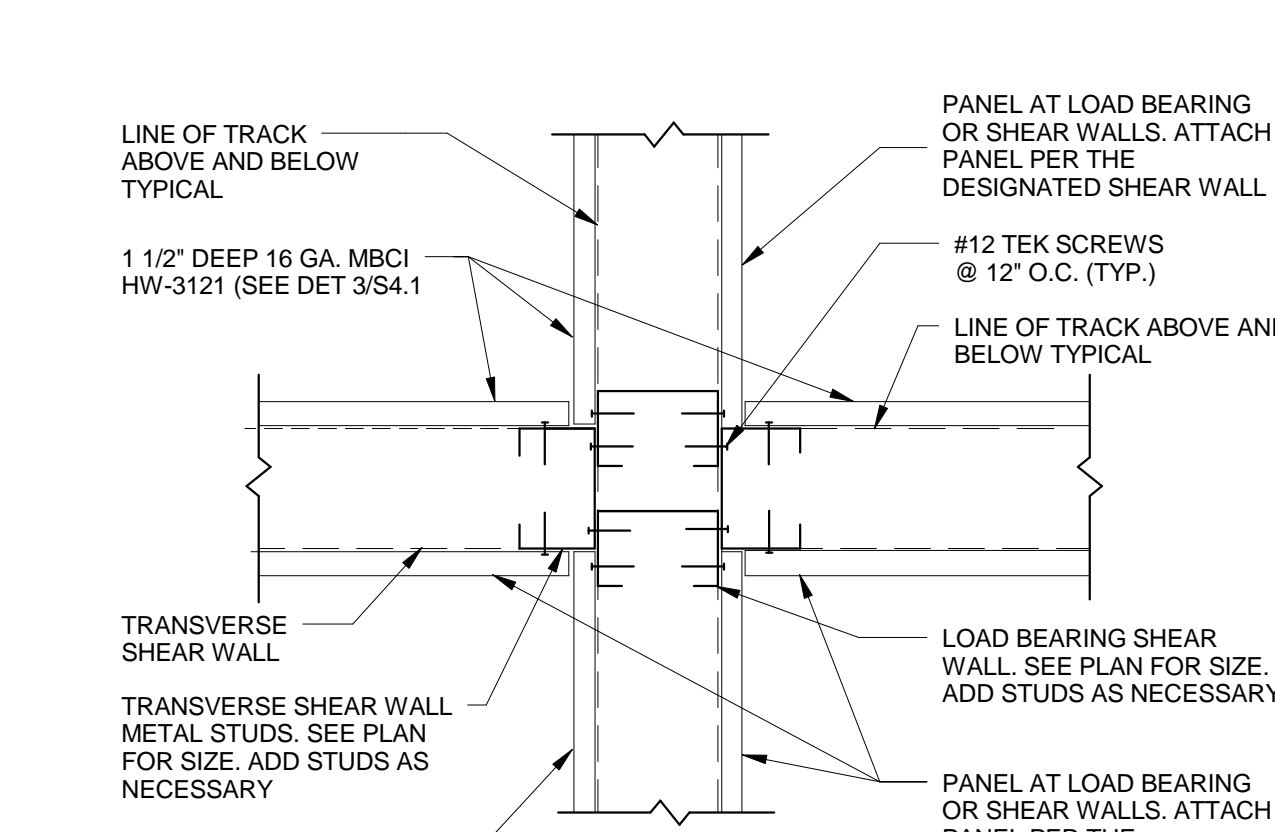
4
S3.1
COLUMN FTG AT STOREFRONT
3/4\" = 1'-0"



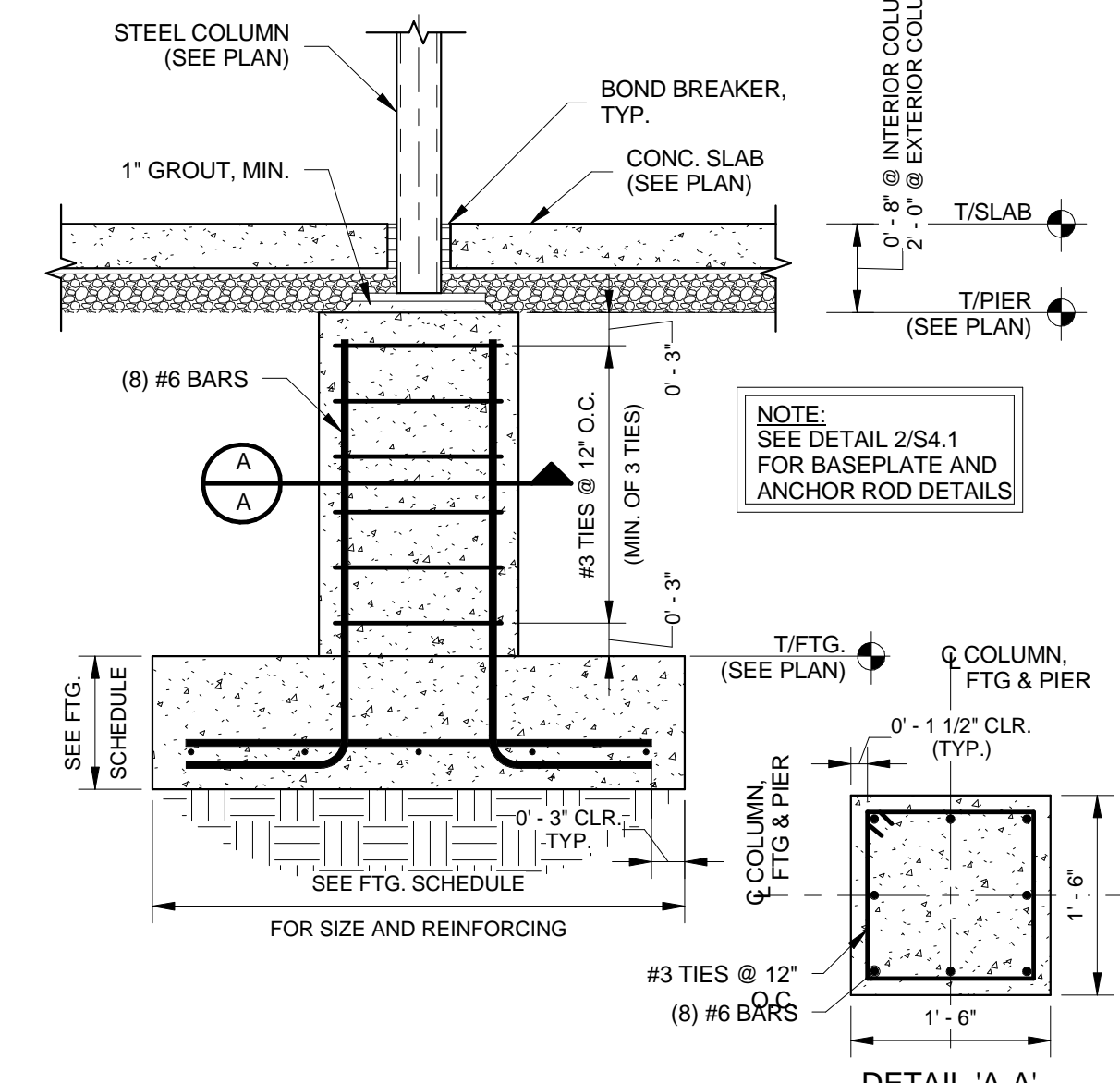
5
S3.1
CONSTRUCTION/CONTROL JOINT DETAILS
3/4\" = 1'-0"



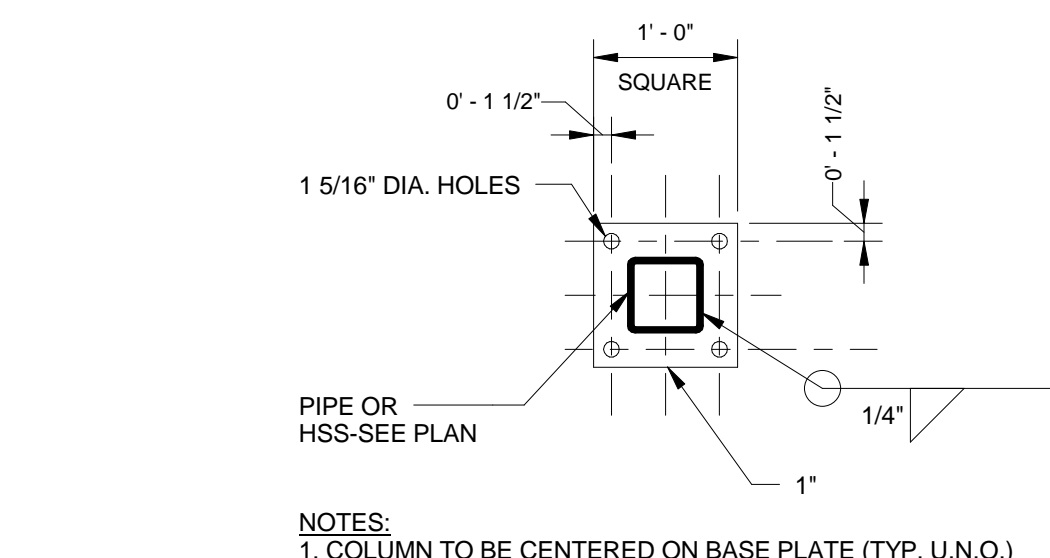
6
S3.1
THICKENED SLAB
3/4\" = 1'-0"



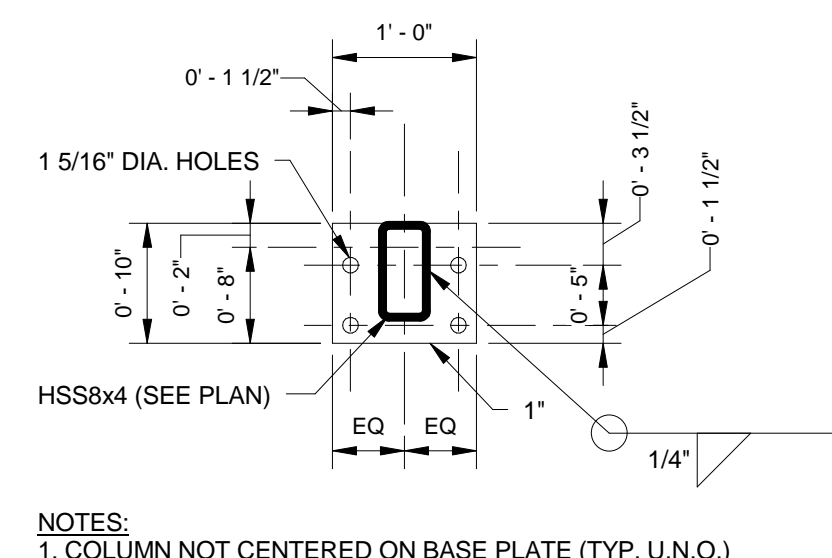
7
S3.1
INTERSECTING METAL STUD SHEAR WALL DETAIL
3/4\" = 1'-0"



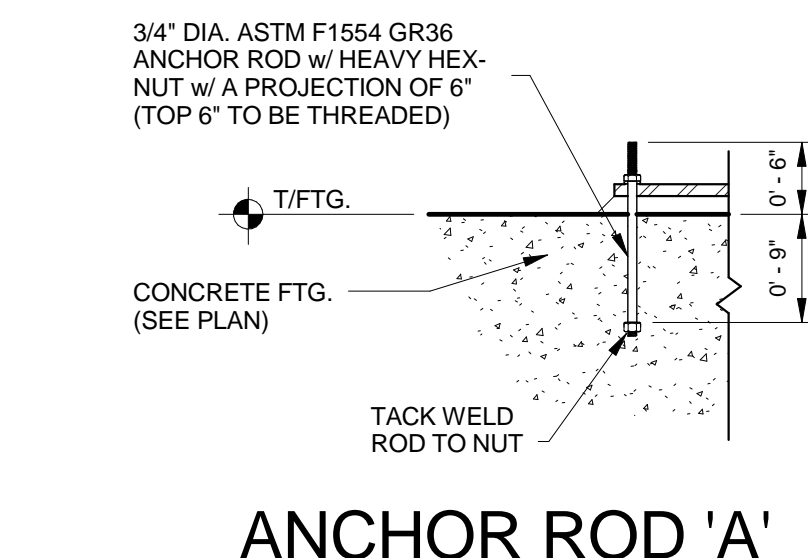
9
S3.1
TYP. CONCRETE PIER DETAIL
3/4\" = 1'-0"



BP-1

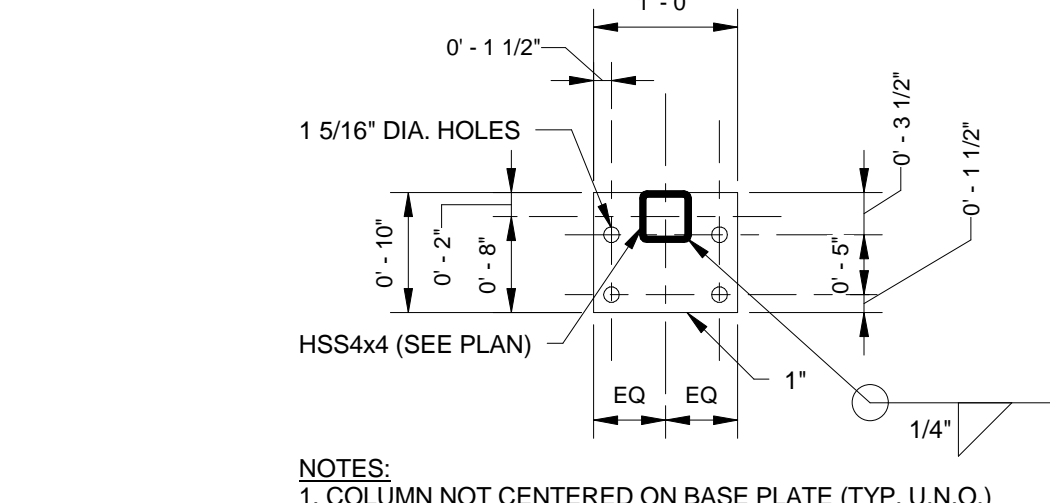


BP-2



ANCHOR ROD 'A'

- NOTES:
1. * DESIGNATES THAT WELD SIZE SHOULD MATCH COLUMN WALL THICKNESS MINUS 1/16\"/>



BP-3

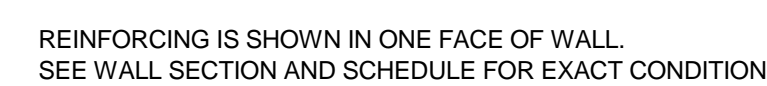
8
S3.1
BASE PLATE DETAIL
3/4\" = 1'-0"

LIGHT-GAUGE CEE MEMBER SCHEDULE (MINIMUM PROPERTIES) 1,2										
MEMBER DESIGNATION	D (IN.)	B (IN.)	d (IN.)	GAUGE	t (IN.)	AREA (IN. ²)	Ix MOMENT OF INERTIA (IN. ⁴)	Iy MOMENT OF INERTIA (IN. ⁴)	Jx MOMENT OF INERTIA (IN. ⁴)	Jy MOMENT OF INERTIA (IN. ⁴)
4C2x070	4"	2"	0.799	14	0.07	0.626	1.564	0.371		
4C2x059	4"	2"	0.773	16	0.059	0.527	1.331	0.314		
4C2.5x105	4"	2.5"	0.884	12	0.105	1.043	2.676	0.938		
4C2.5x070	4"	2.5"	0.799	14	0.07	0.696	1.835	0.630		
4C2.5x059	4"	2.5"	0.773	16	0.059	0.586	1.560	0.533		
4C3.5x105	4"	3.5"	0.884	12	0.105	1.253	3.473	2.112		
4C3.5x070	4"	3.5"	0.799	14	0.07	0.836	2.375	1.414		
4C3.5x059	4"	3.5"	0.773	16	0.059	0.704	2.018	1.193		
4C4x070	4"	4"	0.8	14	0.07	0.906	2.646	1.957		
6C2.5x070	6"	2.5"	0.799	14	0.07	0.836	4.687	0.729		
6C2.5x059	6"	2.5"	0.773	16	0.059	0.704	3.971	0.616		
6C3x105	6"	3"	0.884	12	0.105	1.358	7.821	1.690		
6C3x070	6"	3"	0.799	14	0.07	0.906	5.302	1.130		
6C3x059	6"	3"	0.773	16	0.059	0.763	4.492	0.953		
8C2x105	8"	2"	0.884	12	0.105	1.358	12.012	0.697		
8C2x070	8"	2"	0.799	14	0.07	0.906	8.109	0.468		
8C2x059	8"	2"	0.773	16	0.059	0.763	6.861	0.395		
8C2.5x105	8"	2.5"	0.884	12	0.105	1.463	13.649	1.196		
8C2.5x070	8"	2.5"	0.799	14	0.07	0.976	9.210	0.800		
8C2.5x059	8"	2.5"	0.773	16	0.059	0.822	7.791	0.675		
10C2x105	10"	2"	0.884	12	0.105	1.568	20.745	0.741		
10C2x070	10"	2"	0.799	14	0.07	1.046	13.598	0.497		
10C2x059	10"	2"	0.773	16	0.059	0.881	11.798	0.419		
10C2.5x105	10"	2.5"	0.884	12	0.105	1.673	23.316	1.277		
10C2.5x070	10"	2.5"	0.799	14	0.07	1.116	15.684	0.853		
10C2.5x059	10"	2.5"	0.773	16	0.059	0.940	13.256	0.719		
10C3x105	10"	3"	0.884	12	0.105	1.778	25.886	1.995		
10C3x070	10"	3"	0.799	14	0.07	1.186	17.410	1.330		
10C3.5x105	10"	3.5"	0.884	12	0.105	1.883	28.456	2.912		
10C3.5x070	10"	3.5"	0.799	14	0.07	1.256	19.135	1.939		
12C2.5x105	12"	2.5"	0.884	12	0.105	1.883	36.329	1.340		
12C2.5x070	12"	2.5"	0.799	14	0.07	1.256	24.390	0.894		
12C3x105	12"	3"	0.884	12	0.105	1.988	40.043	2.099		
12C3x070	12"	3"	0.799	14	0.07	1.326	26.880	1.398		
12C3.5x105	12"	3.5"	0.884	12	0.105	2.093	43.758	3.071		
12C4x105	12"	4"	0.884	12	0.105	2.198	47.472	4.275		

- NOTES:
1. PRIMED STEEL MEMBERS SHALL MEET THE PHYSICAL AND CHEMICAL PROPERTIES OF ASTM A 1011, GRADE 55.
2. ZINC-COATED (GALVANIZED) MEMBERS MEET THE PHYSICAL AND CHEMICAL OF ASTM A 653, GRADE 55 AND G60 COATING DESIGNATION AS DESCRIBED IN ASTM A 924.

ISSUED FOR CONSTRUCTION

S3.1



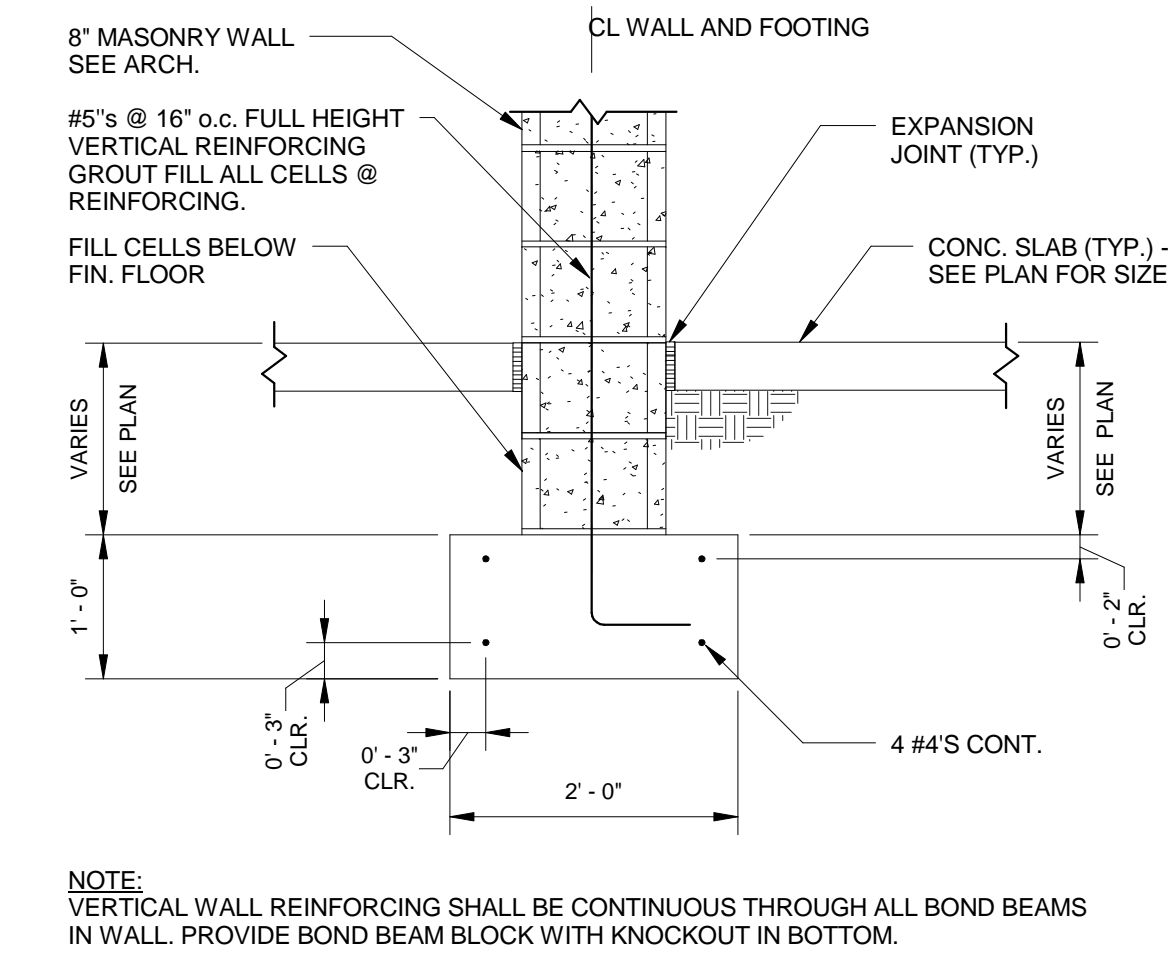
REINFORCED CONCRETE TENSION LAP SPLICE LENGTHS (INCHES) TABLE 1		
BAR SIZE	$f'_c=3000$ PSI	$f'_c=4000$ PSI
#3	25	21.3
#4	33	29
#5	41	36
#6	49	43
#7	72	62



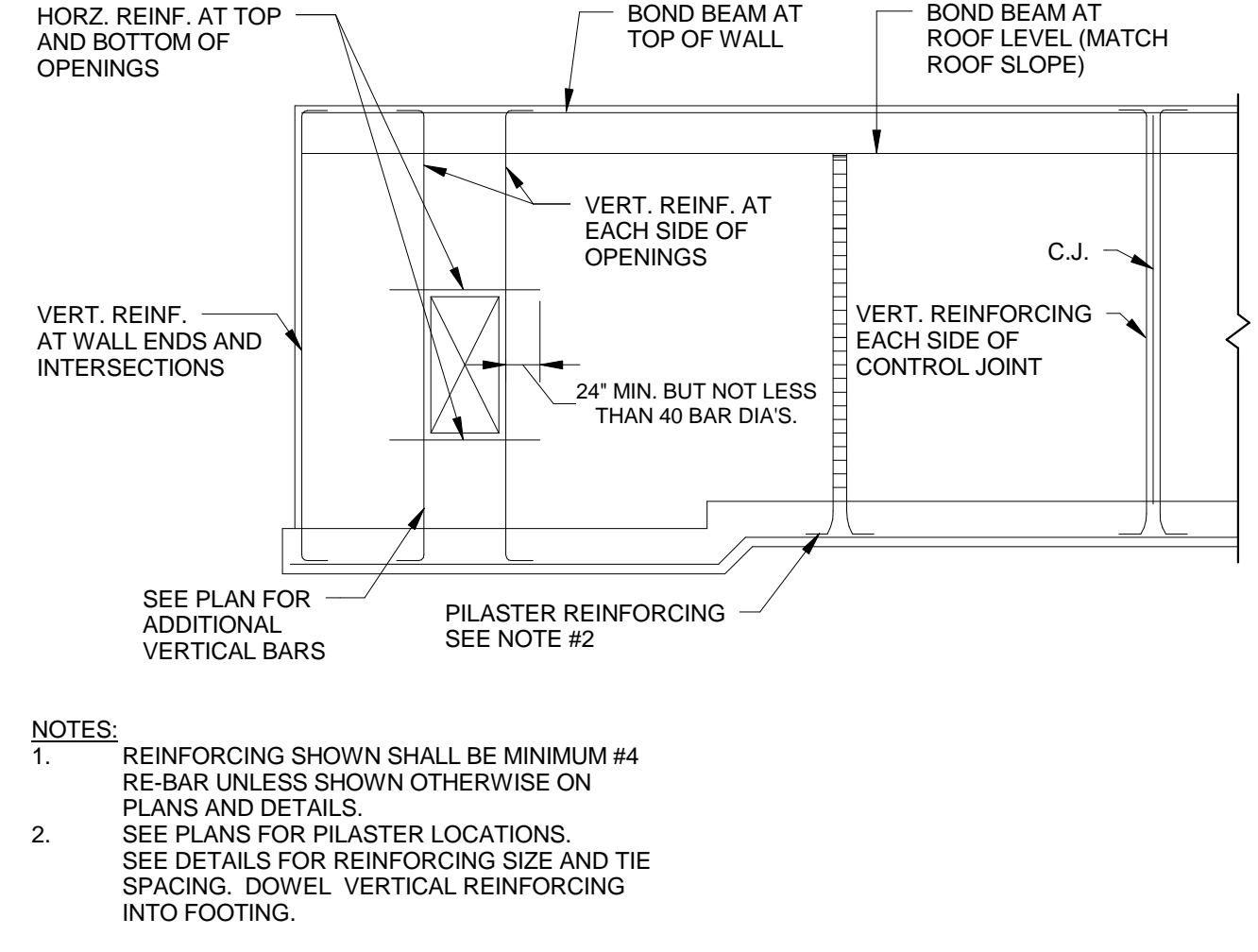
1. All concrete to have 3000 psi compressive strength at 28 days unless otherwise noted.
2. Design parameters to be verified by geotechnical engineer.
 - Equivalent fluid pressure : 40.0 pcf (Cantilever)
 - Equivalent fluid pressure : 60.0 pcf (Basement)
 - Friction factor : 0.4
3. Reinforcing steel:
 - A. Shall be detailed, fabricated and placed according to the latest standards of the A.C.I.
 - B. Provide corner bars at all corners of the same size and number as the larger of the adjacent bars.
 - C. Shall conform to the latest standards of ASTM A 615 Grade 60
 - D. Contractor to submit shop drawings to the Architect for approval prior to fabrication.
4. Wall joints:
 - A. Full height vertical weakened plane construction joints shall be detailed at 25' o.c. maximum spacing. Alternate longitudinal bars shall be cut exactly opposite such contraction joints.
 - B. Keyed full height vertical expansion joints shall be substituted for every fourth contraction joint. 100' maximum. Joints to have asphalt impregnated fiber board filler or similar, with all longitudinal bars cut opposite such expansion joints.
 - C. Construction joints between successive pours of concrete to be keyed. (Vertical Keyways) similarly.
 - D. Construction joint may be substituted for any control joint.



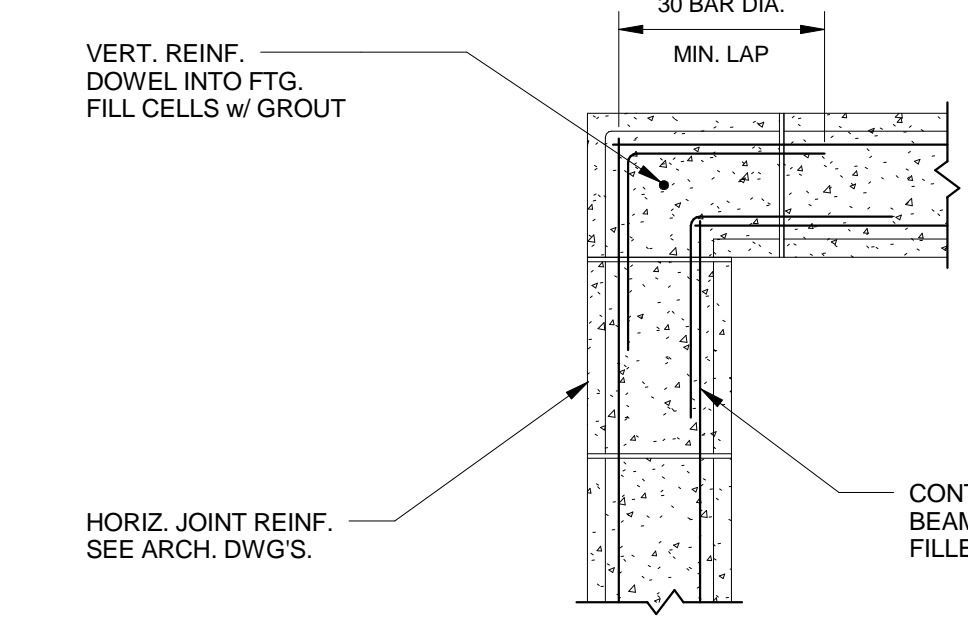
ISSUED FOR CONSTRUCTION



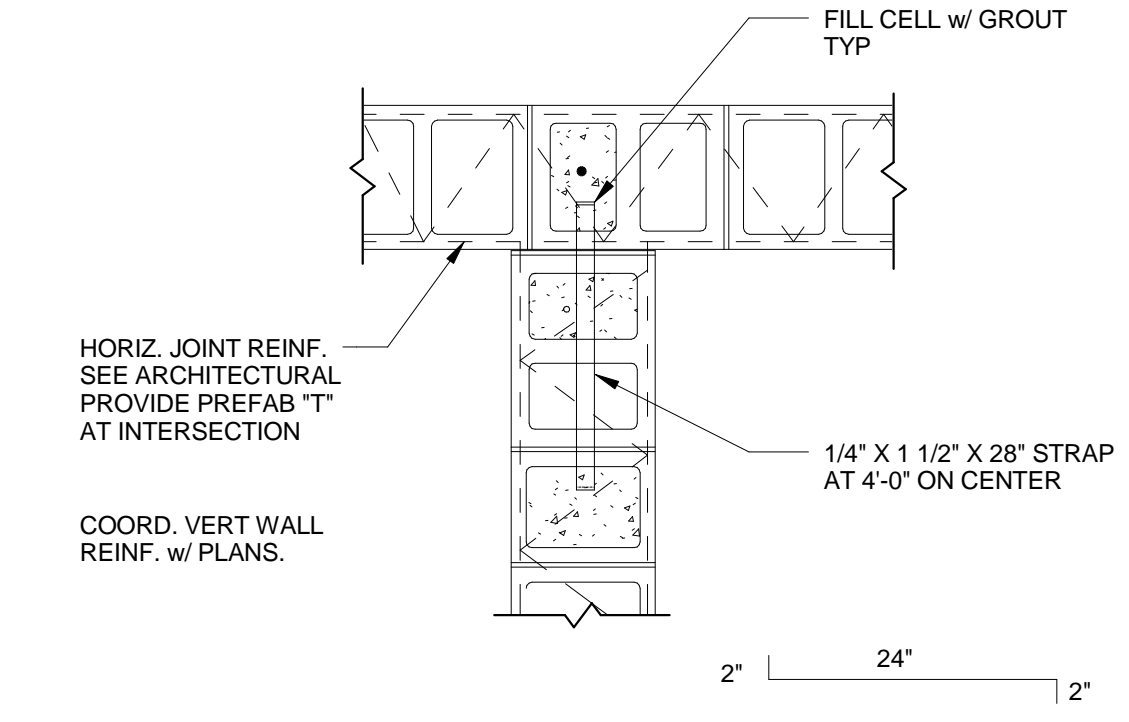
1 WALL FOOTING SECTION
3/4" = 1'-0"



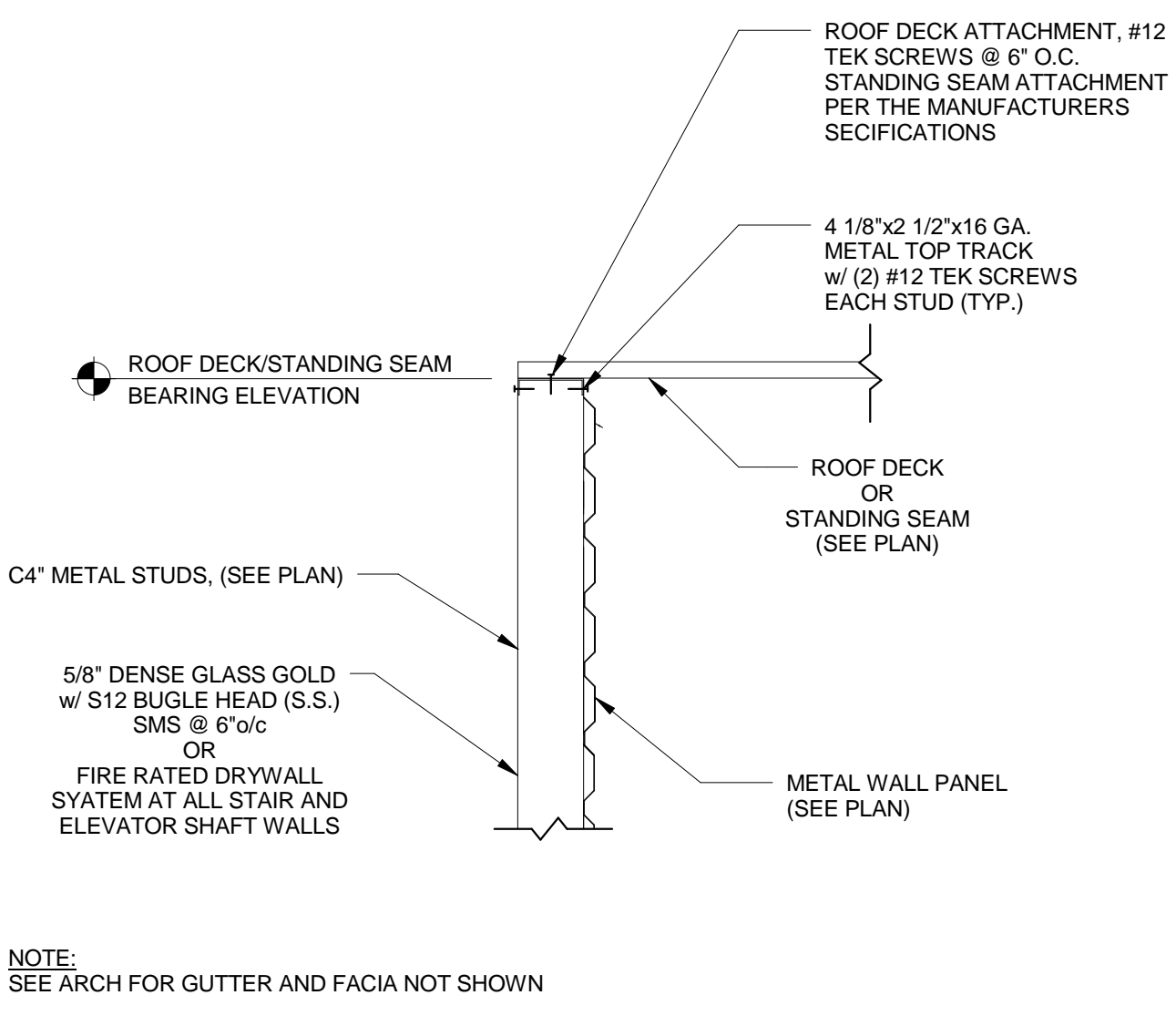
2 MASONRY WALL REINFORCING
3/4" = 1'-0"



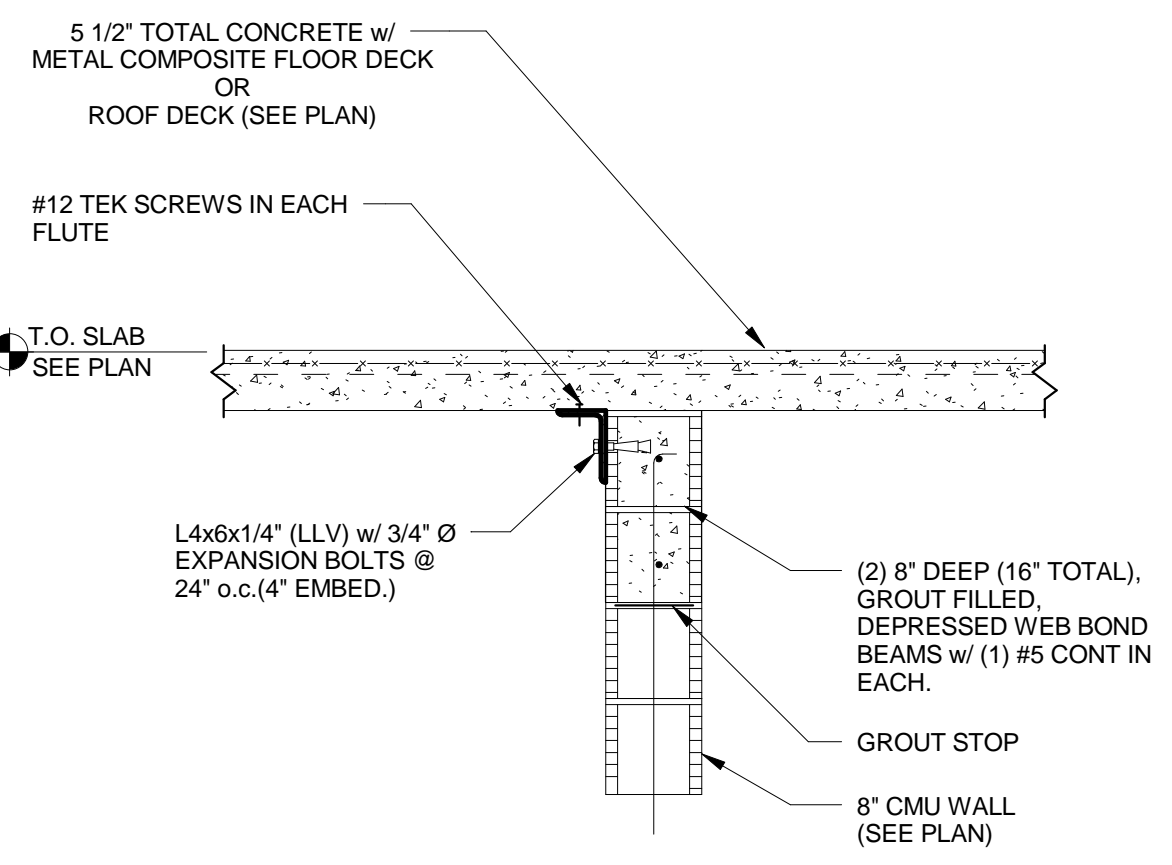
3 CORNER WALL DETAIL
3/4" = 1'-0"



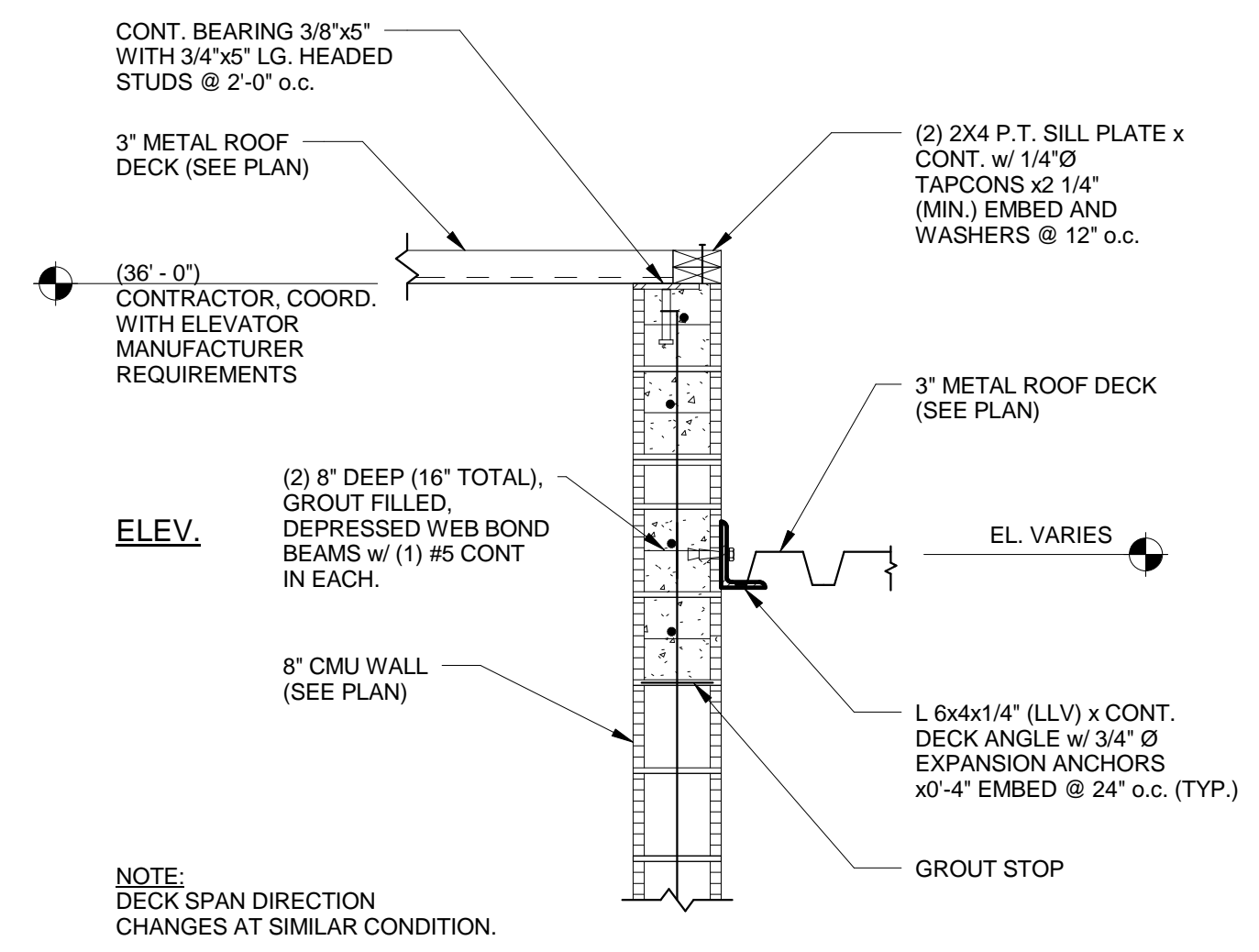
4 INTERSECTING WALL DETAIL
3/4" = 1'-0"



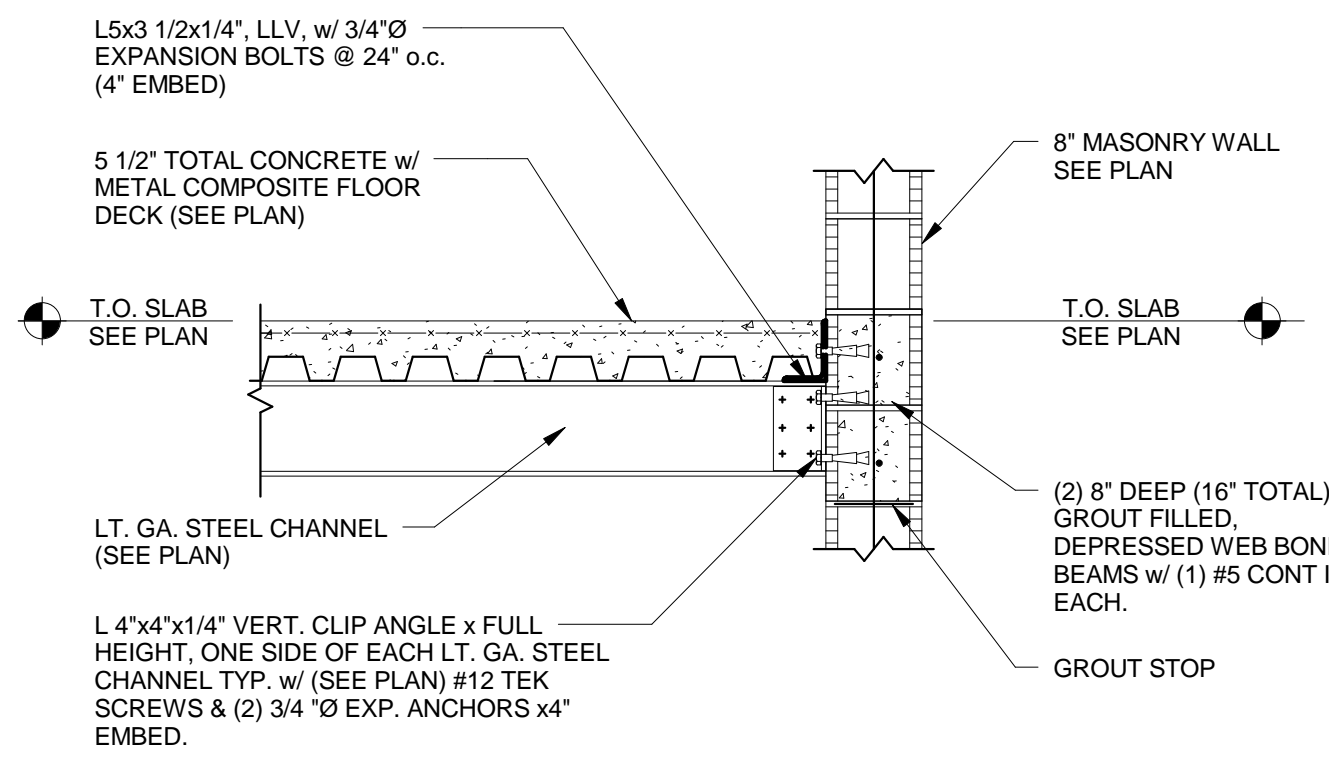
5 ROOF DECK BEARING
3/4" = 1'-0"



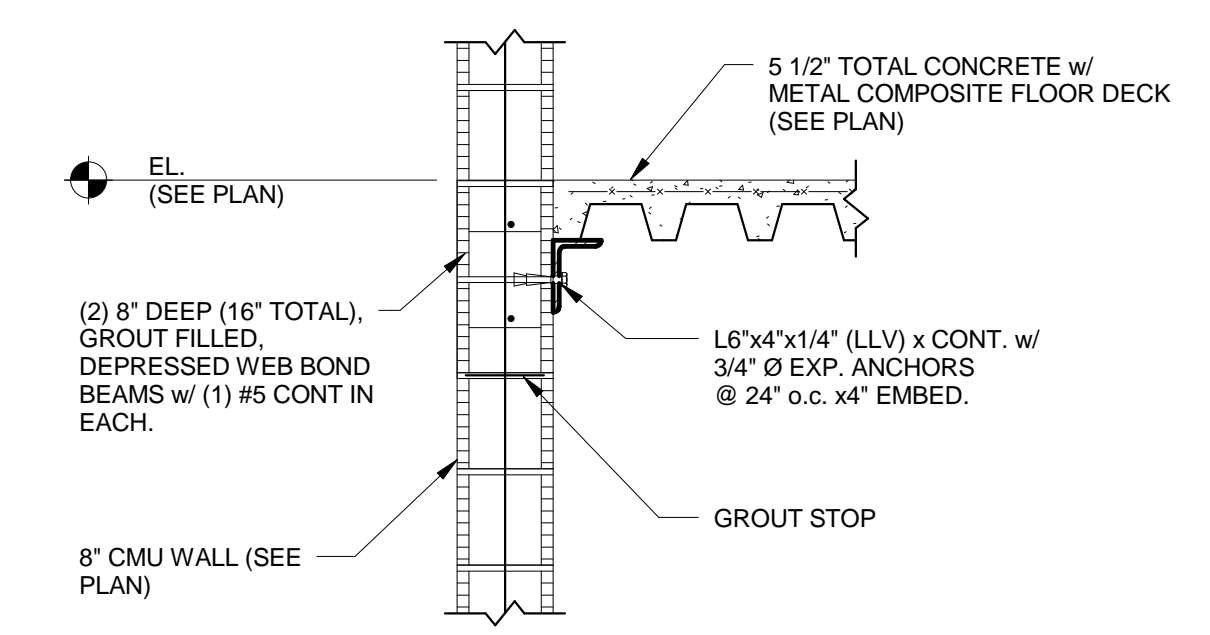
6 FLOOR DECK BEARING
3/4" = 1'-0"



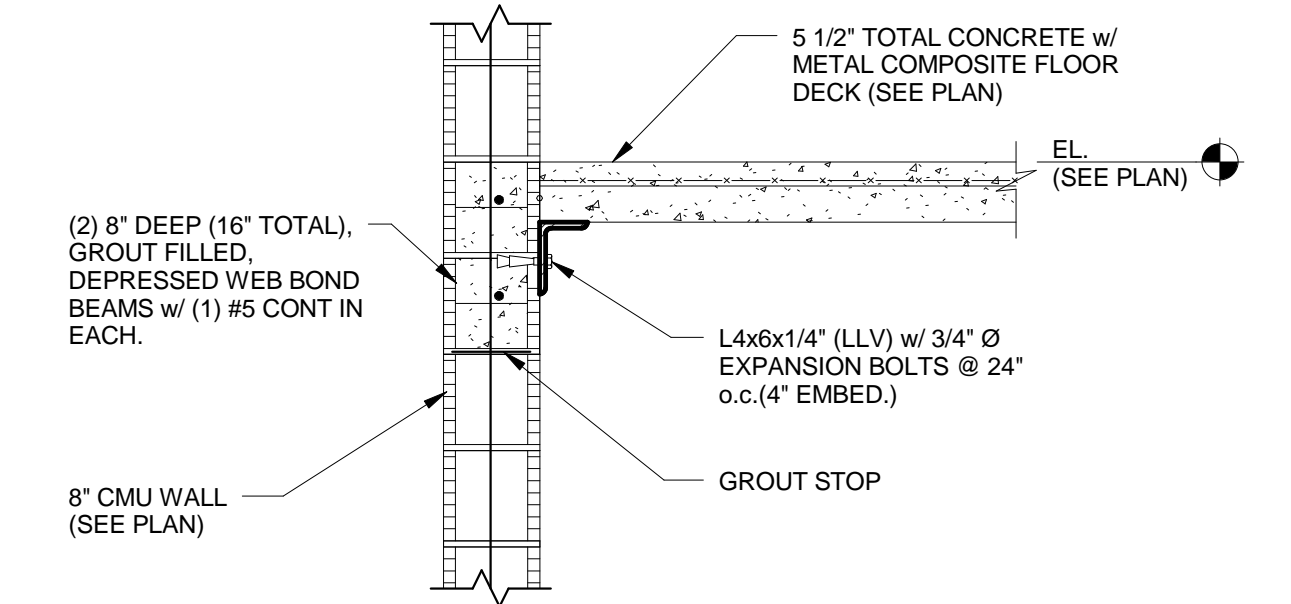
7 DECK BEARING
3/4" = 1'-0"



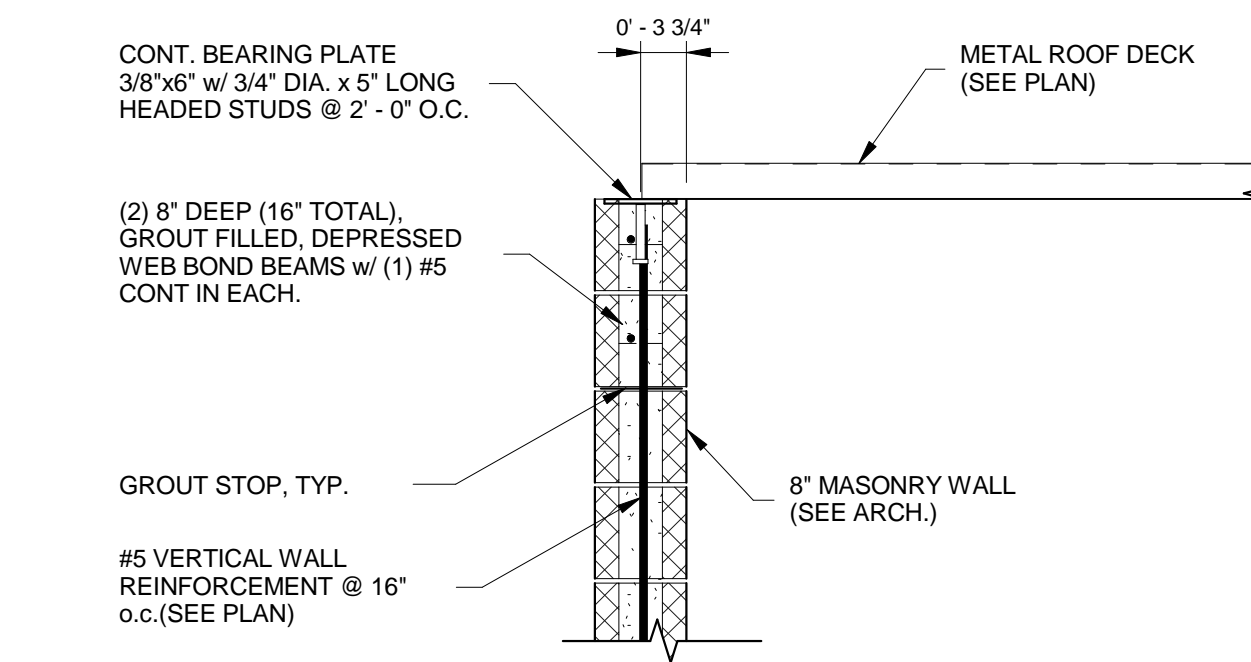
8 L.G. CHANNEL BEAM BEARING
3/4" = 1'-0"



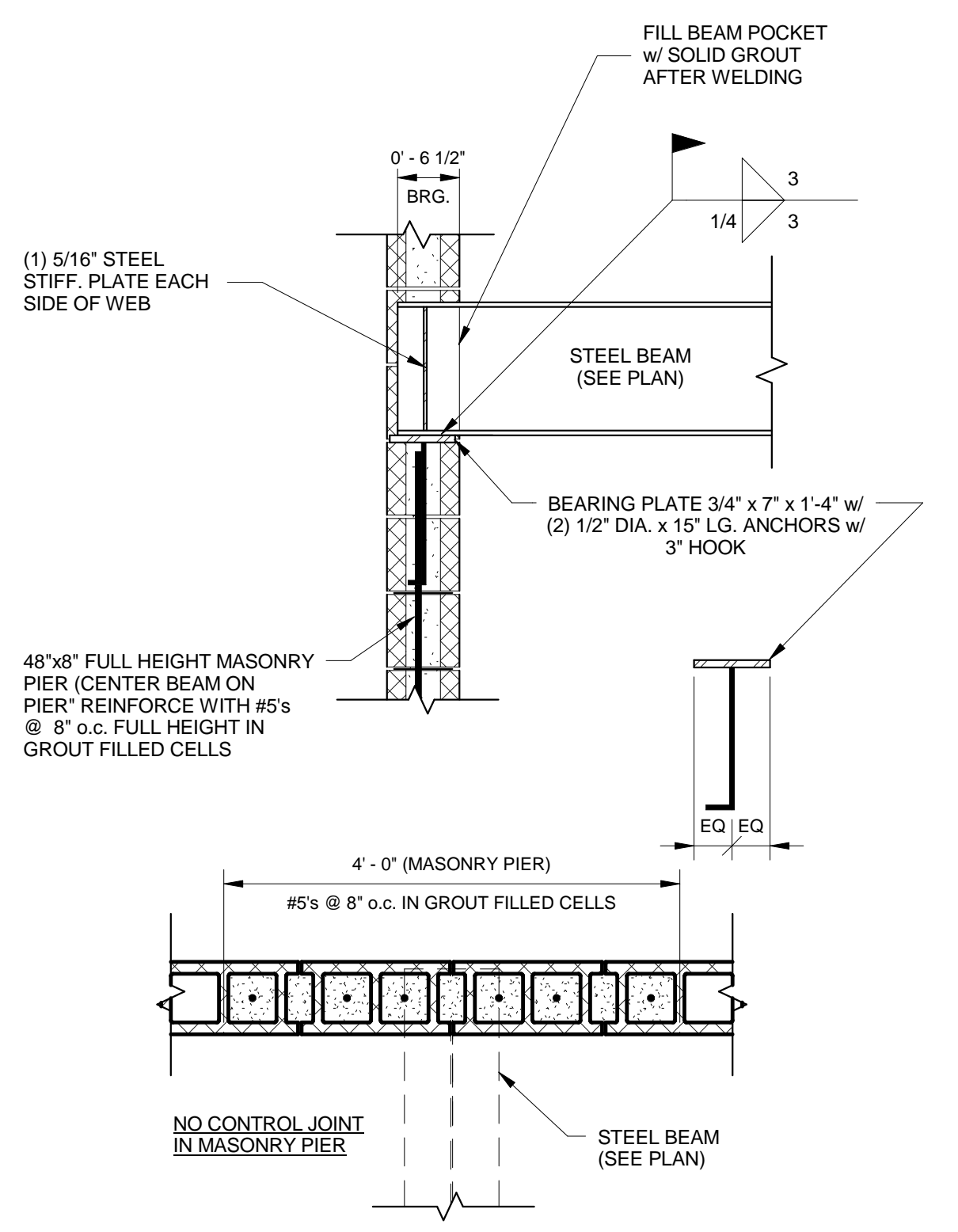
9 FLOOR DECK BEARING
3/4" = 1'-0"



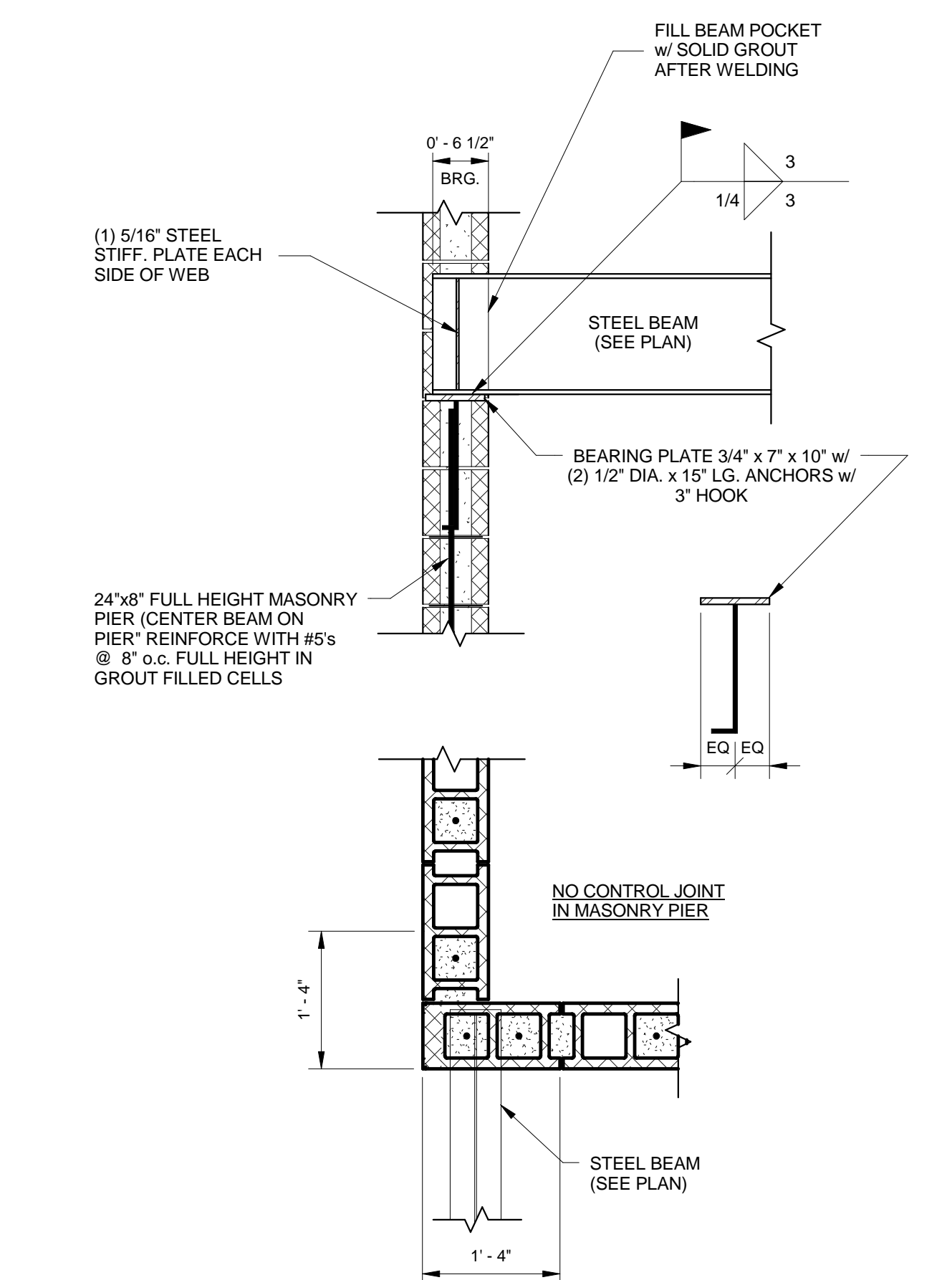
10 FLOOR DECK BEARING
3/4" = 1'-0"



11 DECK BEARING DETAIL
3/4" = 1'-0"

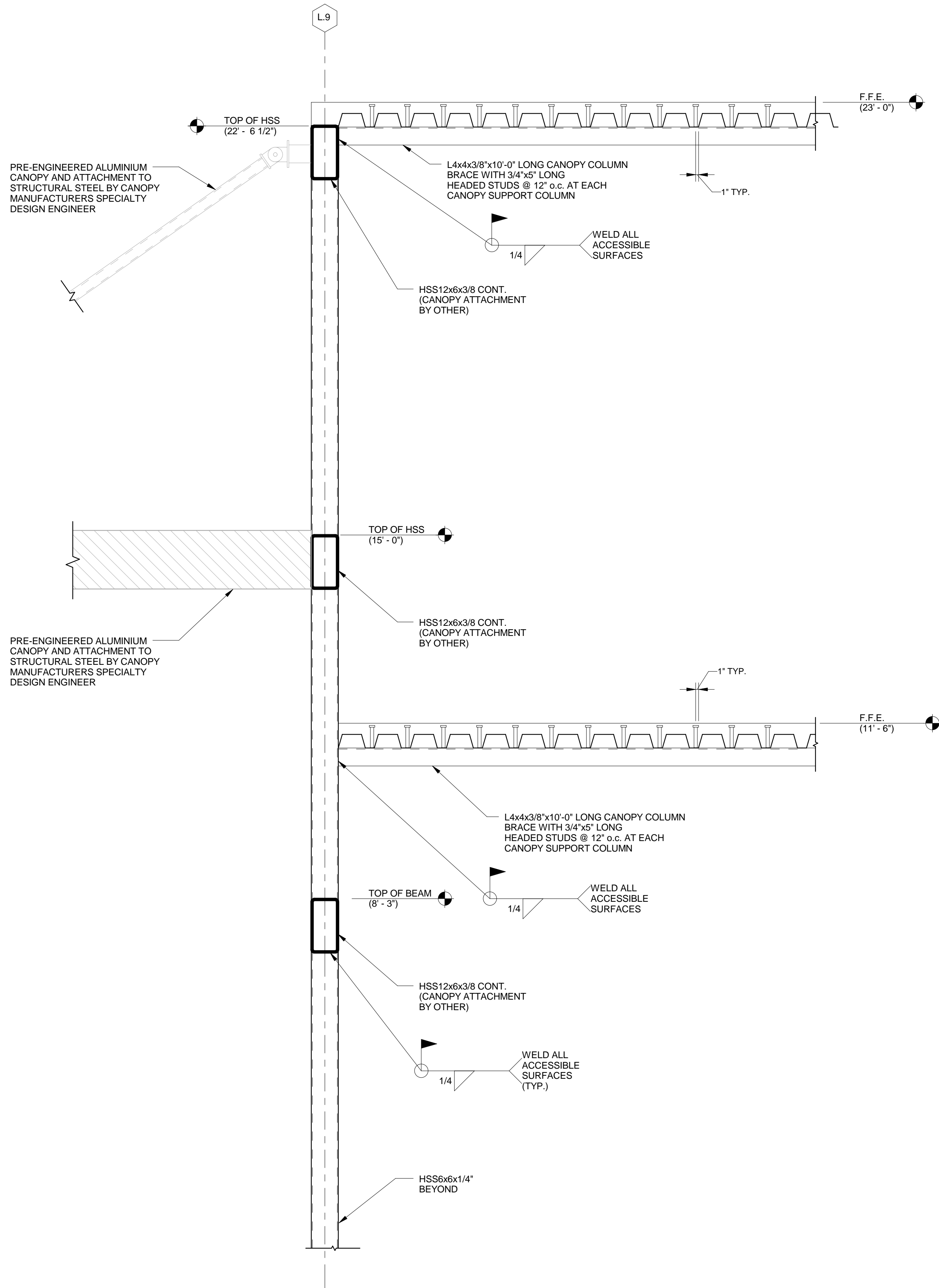


12 BEAM BEARING ON MASONRY PIER
3/4" = 1'-0"

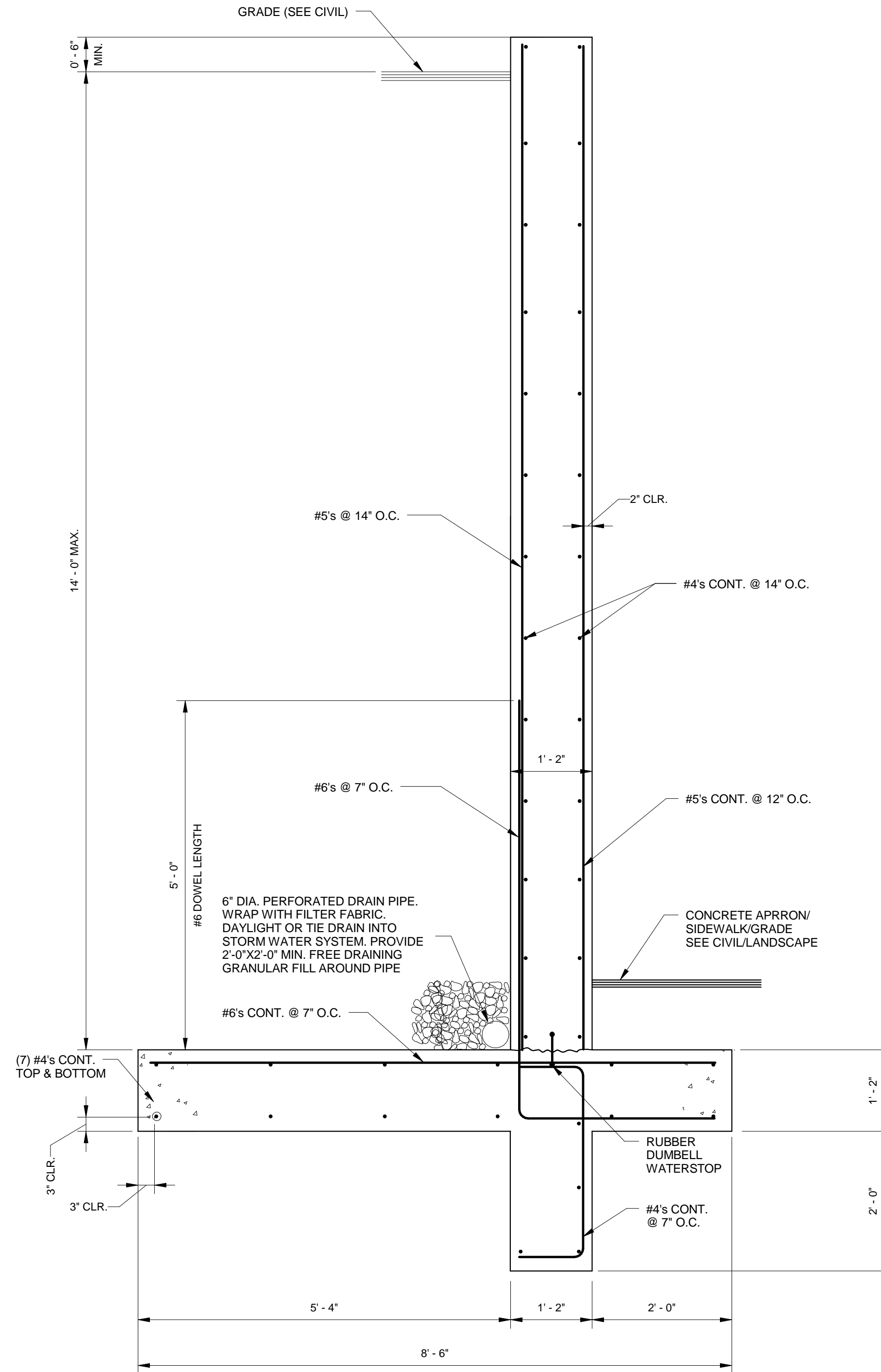


13 BEAM BEARING ON MASONRY PIER
3/4" = 1'-0"

ISSUED FOR CONSTRUCTION



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



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



REVISIONS

PROJECT

924
Northside
Drive Storage

ADDRESS

924 Northside Drive NW
Atlanta, GA 30318

CLIENT

Broward
Management,
LLC

ADDRESS

6780 Roswell Rd, Suite C-200
Sandy Springs, GA 30328

SHEET TITLE

FRAMING
DETAILS &
SECTIONS

Date:

10-01-2018

PROJECT NUMBER

18-115

SHEET NUMBER

S4.4

ISSUED FOR CONSTRUCTION

ISSUED FOR CONSTRUCTION