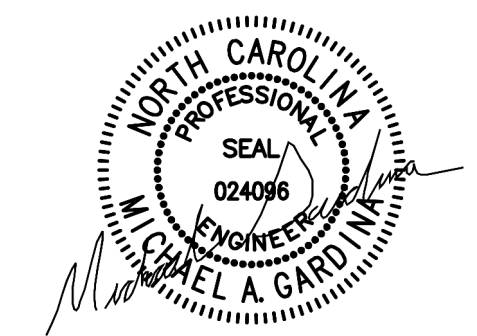


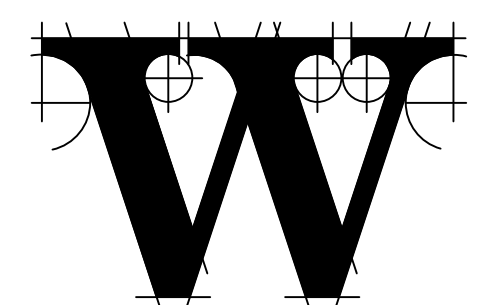


TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



06/28/2018



THE WILSON GROUP

- ARCHITECTS -

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twargrhcitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FP/PM/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2018
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

GENERAL NOTES

SHEET NUMBER

S0-001

GENERAL

- THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
- THE STRUCTURAL DRAWINGS AND SPECIFICATIONS 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 SEQUENCE. ALL APPLICABLE SAFETY REGULATIONS TO BE FOLLOWED STRICTLY.
- THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND ANY OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE. DURING ERECTION AND UNTIL ALL PERMANENT CONNECTIONS ARE MADE, THE CONTRACTOR MUST PROVIDE TEMPORARY BRACING FOR THE STRUCTURE IN ALL DIRECTIONS.
- THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND GRADE CONDITIONS (BOTH NEW AND EXISTING), REPORTING ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH ANY PHASE OF THE WORK.
- THE CONTRACTOR SHALL COMPARE STRUCTURAL SECTIONS WITH ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS.
- DO NOT SCALE DIMENSIONS FROM DRAWINGS. THE CONTRACTOR SHALL REQUEST, FROM THE ARCHITECT, NECESSARY DIMENSIONS NOT SHOWN ON THE DRAWINGS.
- IF ANY BIDDER IS IN DOUBT AS TO THE INTENT OF THE PLANS OR SPECIFICATIONS, THEY SHALL REQUEST AN INTERPRETATION FROM THE ARCHITECT IN WRITING AT LEAST TEN (10) DAYS PRIOR TO THE SCHEDULED DATE.
- PRINCIPAL OPENINGS IN THE STRUCTURE ARE SHOWN ON THESE DRAWINGS. THE GENERAL CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR REQUIRED OPENINGS AS THEY SHALL BE PROVIDED FOR WHETHER SHOWN ON THESE DRAWINGS OR NOT. GENERAL CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH ALL SUB-CONTRACTORS PRIOR TO CONSTRUCTION.
- SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, FLOOR SLOPES, AND THE LOCATION OF DEPRESSED FLOOR AREAS.
- WHERE A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS OCCURS THE MORE STRINGENT REQUIREMENT SHALL APPLY.
- WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE DRAWINGS.
- THIS PROJECT REQUIRES SPECIAL INSPECTIONS AS DESCRIBED IN SECTION 1704 OF THE NORTH CAROLINA STATE BUILDING CODE. SEE STATEMENT OF SPECIAL INSPECTIONS FOR REQUIRED INSPECTIONS. CONTRACTOR SHALL COORDINATE WITH SPECIAL INSPECTOR ALL WORK REQUIRING SPECIAL INSPECTIONS AND TESTING.
- WORK STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW. CONTRACTOR SHALL ALLOW AN APPROPRIATE AMOUNT OF REVIEW TIME. IF SUBMITTAL SHOP DRAWING REVIEW TIME IS CRITICAL TO THE PROJECT SCHEDULE, THEN PROVIDE AT LEAST A 3 DAY NOTICE OF SUBMISSION DATE TO ALLOW ENGINEER TIME TO ALLOT PROPER RESOURCES TO THE TASK. OTHERWISE THE REVIEW WILL BE SCHEDULED BASED ON CURRENT WORKLOAD AT THE TIME OF SUBMISSION.
- ALL SUBMITTALS SHALL BE REVIEWED BY THE CONTRACTOR AND CONTAIN A STAMP WITH HIS SIGNATURE. SUBMITTALS WITHOUT THE STAMP WILL BE REJECTED AND RETURNED UN-REVIEWED.
- CONTRACTOR SHALL NOT BE RELIEVED FROM HIS RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS IF MISSED IN THE REVIEW BY THE ENGINEER. IF ALTERNATE MATERIALS ARE PROPOSED, CONTRACTOR SHALL SUBMIT DETAILED CUT SHEETS AND PRODUCT DESCRIPTIONS IN ORDER TO BE CONSIDERED.
- SHOP DRAWINGS SHALL INCLUDE GENERAL ARRANGEMENT AND LOCATION PLANS, APPLICABLE DETAILS, ALL CONNECTIONS, MATERIAL CUT SHEETS, ETC. IF SPECIAL NOMENCLATURE IS USED LEGENDS MUST BE CREATED FOR EASY REFERENCE.
- IF SPECIALTY PRODUCTS AS NOTED BELOW AND/OR IN PROJECT SPECIFICATIONS REQUIRE DESIGN BY A SPECIALTY ENGINEER, THEN SHOP DRAWINGS FOR THOSE PRODUCTS OR MATERIALS SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT. RETURNED SHOP DRAWINGS WILL NOT BE APPROVED, THEY WILL ONLY BE REVIEWED FOR GENERAL CONFORMANCE WITH DESIGN INTENT AND CONTRACT DOCUMENTS.
- TEMPORARY BRACING OF THE STRUCTURE DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. TEMPORARY BRACING OF THE STRUCTURE SHALL REMAIN IN PLACE UNTIL ALL SUPPORTING ELEMENTS ARE INSTALLED. CONTRACTOR SHALL DESIGN AND COORDINATE LOCATIONS OF TEMPORARY BRACING WITH OTHER CONTRACTORS.
- COORDINATE FINAL SIZES AND LOCATIONS OF ALL OPENING WITH ARCHITECT AND MECHANICAL CONTRACTOR PRIOR TO ANY FABRICATION AND SLAB REMOVAL. IF FINAL LOCATIONS AND SIZES OF OPENINGS VARY BY MORE THAN 2 INCH CONTACT ENGINEER.
- CONTRACTOR SHALL FIELD MEASURE ALL EXISTING CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCY, CHANGES IN SYSTEM OR CONDITION.

DESIGN CRITERIA

- APPLICABLE CODES:
 - 2018 NORTH CAROLINA STATE BUILDING CODE (2015 INTERNATIONAL BUILDING CODE WITH REVISIONS)
 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-10)
 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
 - BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-13)
 - STEEL CONSTRUCTION MANUAL, 13TH EDITION (AISC 325-11)
 - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360-10)
 - AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (D1.1-10)
 - DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI 100-12)
- LIVE LOADS

ELEVATED FLOORS	100	CONCENTRATED(LB)	
ROOF	200		
- OCCUPANCY CATEGORY

GROUND SNOW LOAD	Pg = 10 PSF
IMPORTANCE FACTOR	Is = 1.10
SNOW EXPOSURE FACTOR	Ce = 1.0
THERMAL FACTOR	Ct = 1.0
FLAT SNOW ROOF LOAD	Pf = 11 PSF
- WIND LOAD:

BASIC DESIGN WIND VELOCITY	V = 155MPH	
EXPOSURE CATEGORY	C	
INTERNAL PRESSURE COEFFICIENTS	±0.18	
BASE SHEAR	Vx = 410k	Vy = 800k
- SEISMIC LOAD:

DESIGN METHOD - EQUIVALENT LATERAL FORCE PROCEDURE		
Ss	28.8 %g	
S1	9.6 %g	
Sds	30.1 %g	
Sd1	15.4 %g	
IMPORTANCE FACTOR	Ie = 1.25	
SITE CLASS	D	
SEISMIC RESPONSE COEFFICIENT	Csx = 0.1	Csy = 0.1
SEISMIC RESPONSE MODIFICATION COEFFICIENT	Rw=3	Ry=3
DEFLECTION AMPLIFICATION FACTOR	Cdx=3	Cdy=3
SEISMIC DESIGN CATEGORY	C	
SEISMIC BASE SHEARS	Vx = 782k	Vy = 782k
SEISMIC FORCE-RESISTING SYSTEM -		
1. STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CANTILEVER COLUMN SYSTEMS		
2. ORDINARY REINFORCED CONCRETE SHEAR WALLS		
NONSTRUCTURAL COMPONENT ANCHORAGE - ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING COMPONENTS ARE TO BE ATTACHED AS REQUIRED BY ASCE 7 CHAPTER 13. "SEISMIC DESIGN REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS". EACH INDIVIDUAL CONTRACTOR RESPONSIBLE FOR THE COMPONENT MUST PROVIDE PROJECT SPECIFIC DESIGN AND DOCUMENTATION PREPARED BY AN ENGINEER LICENSED IN THE STATE OF NORTH CAROLINA. CHAPTER 13 DEFINES THE FORCE REQUIRED TO SUPPORT THE COMPONENT FOR THE ANCHORAGE AND BRACING. THE COST OF PREPARING THIS INFORMATION AND DESIGN SHALL BE INCLUDED IN EACH CONTRACTOR'S BID THAT IS PROVIDING THE COMPONENT.		
7. FUTURE LOADS:		
UNLESS SPECIFICALLY NOTED, THERE ARE NO PROVISIONS MADE FOR FUTURE FLOORS, ROOFS, OR OTHER LOADS.		

CONCRETE / REINFORCING STEEL

- ALL CONCRETE SHALL CONFORM TO THE FOLLOWING PUBLICATIONS AND COMMENTARIES (LATEST EDITION):
 - ACI 318: BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
 - ACI 117: SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS.
 - ACI 301: SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS
 - ACI 305: RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING
 - ACI 306: RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING
 - ACI 315: DETAILS AND DETAILING OF CONCRETE REINFORCEMENT
 - ASTM C94 SPECIFICATION FOR READY-MIXED CONCRETE
- CONTRACTOR SHALL SUBMIT MIX DESIGNS TO THE ENGINEER FOR EACH SPECIFIED MIX. EACH SUBMITTAL SHALL INCLUDE PROPOSED MIX DESIGN, SUPPORTING PRODUCT DATA FOR ADMIXTURES, PROPOSED SLUMP AND AIR CONTENT, WATER/CEMENT RATIO, 30 COMPRESSION TEST RESULTS WITH ACTUAL SLUMP AND STANDARD DEVIATION FOR COMPRESSION TEST RESULTS IN ACCORDANCE WITH CHAPTER 5 OF ACI 318. IF DIFFERENT MANUFACTURERS ARE PROPOSED FOR DIFFERENT ADMIXTURE, CONTRACTOR SHALL SUBMIT LETTERS OF CERTIFICATION FROM EACH MANUFACTURER STATING THAT THEIR PRODUCT IS COMPATIBLE WITH THE OTHER PRODUCTS.
- THE OWNER RESERVES THE RIGHT TO RETAIN AN INDEPENDENT TESTING LABORATORY TO MONITOR ALL CONCRETE CONSTRUCTION ACTIVITY, PERFORM ANY TEST DEEMED NECESSARY AND REJECT ANY CONCRETE WORK THAT DOES NOT MEET THIS SPECIFICATION.
- WATER MAY ONLY BE ADDED AT THE SITE PROVIDED THE CONCRETE SLUMP AND WATER TO CEMENT RATIOS SPECIFIED IN THE APPROVED MIX DESIGN ARE COMPLIED WITH. THE TESTING LABORATORY HAS FULL AUTHORITY TO REJECT CONCRETE THAT DOES NOT MEET THE SPECIFICATIONS (INCLUDING ACI REQUIREMENTS).
- ALL CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCH TIME. IF THIS TIME IS EXCEEDED, TESTING INSPECTOR SHALL OBTAIN A SAMPLE OF THE CONCRETE AT THE END OF THE BATCH. IF THAT IS NOT PRACTICAL THEN, CONCRETE TEMPERATURE, CONSISTENCY AND COLOR SHALL BE DOCUMENTED.
- ALL CONCRETE SHALL BE CONSOLIDATED IN PLACE USING INTERNAL VIBRATORS.
- CONCRETE SHALL BE PROPORTIONED TO ATTAIN A MINIMUM SPECIFIED COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS:

LOCATION	STRENGTH	WEIGHT	MAX-W/C RATIO	SLUMP	AIR ENTRAINED
FOOTINGS	3000 PSI	NORM. WT	0.58	3 INCH	NO
INTERIOR SLABS ON GRADE	4000 PSI	NORM. WT	0.50	4 INCH	NO
EXTERIOR SLAB ON GRADE	4500 PSI	NORM. WT	0.50	4 INCH	YES
(INCL. SLAB BELOW TERMINAL)					
ELEVATED CONCRETE SLAB	5000 PSI	NORM. WT	0.40	4 INCH	YES
CONCRETE COL. & SHEAR WALLS	5000 PSI	NORM. WT	0.40	4 INCH	YES
- CEMENT SHALL CONFORM TO ASTM C150, TYPE 1. ONE BRAND OF CEMENT ONLY SHALL BE USED THROUGHOUT THE ENTIRE WORK. FLY ASH (IF USED) SHALL BE ASTM C618 CLASS C OR F AND LIMITED TO 20% MAXIMUM BY WEIGHT.
- FINE AGGREGATE SHALL BE CLEAN, UNCOATED SAND CONFORMING TO ASTM C33.
- COARSE AGGREGATE SHALL BE CRUSHED STONE CONFORMING TO ASTM C33, CLASS 3S FOR NORMAL WEIGHT AND ASTM C330 FOR LIGHTWEIGHT. THE LARGEST AGGREGATE SIZE SHALL BE 3/4 OF THE SMALLEST SPACING BETWEEN REINFORCING (3/4 INCH MAXIMUM SIZE UNLESS DETERMINED OTHERWISE). SLAB ON GRADE CONCRETE MAXIMUM AGGREGATE SIZE IS 1 INCH TO MINIMIZE SHRINKAGE. WHEN COMBINING 2 OR MORE AGGREGATE A COMBINED GRADATION SHALL BE SUBMITTED FOR APPROVAL. THE FINAL GRADATION SHALL CONFORM TO THE GRADING REQUIREMENTS OF ASTM C33.
- WATER TO BE POTABLE COMPLYING WITH ASTM C94
- ALL CONCRETE SHALL CONTAIN A TYPE "A" WATER REDUCER CONFORMING TO ASTM C494 TYPE "A". FOR PUMPED MIX DESIGNS USE HIGH RANGE WATER REDUCER CONFORMING TO ASTM C494, TYPE F.
- NO CALCIUM CHLORIDE IS PERMITTED.
- ALL EXTERIOR CONCRETE SHALL CONTAIN 6.0% +/- 1.5% ENTRAINED AIR. THE AIR CONTENT SHALL BE ACHIEVED BY ADDING AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C266.
- CONCRETE NOTED AS WATERPROOF CONCRETE ON THE DRAWINGS SHALL INCLUDE CRYSTALLINE WATERPROOFING ADDITIVE EQUAL TO YYPEX. DOSAGE RATE SHALL BE 2% TO 3% AS RECOMMENDED BY THE MANUFACTURER. ADD THE ADMIXTURE TO THE CONCRETE MIX IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
 - AT CONSTRUCTION OR JOINT JOINTS, APPLY 1 COAT OF YYPEX CONCENTRATE SLURRY AT A RATE OF 2LBS/SY TO JOINT SURFACES BETWEEN POURS. MOISTEN SURFACES PRIOR TO SLURRY APPLICATION. APPLY SLURRY AND KEEP MOIST FOR 12 HOURS THEN ALLOW SLURRY TO SET OR DRY. WHERE SURFACES ARE NOT ACCESSIBLE PRIOR TO POURING NEW CONCRETE, CONTACT YYPEX.
 - FORM TIE HOLES SHALL BE WATERPROOFED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
 - REPAIR OF DEFECTS IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
- ALL CONCRETE SURFACES SHALL BE CURED USING A CURING COMPOUND MADE OF A STABILIZED CHLORINATED RUBBER COMPOUND COMPLYING WITH ASTM C309, TYPE 1, CLASS B. IF FLOOR COVERING IS TO BE APPLIED TO SLABS, THEN CONTRACTOR SHALL COORDINATE IF REMOVAL OF CURING COMPOUND IS REQUIRED FOR PROPER INSTALLATION OR COVERING.
- PATCHING CONCRETE OR POURING NEW CONCRETE TO EXISTING CONCRETE SHALL BE BONDED WITH A CONCRETE ADHESIVE MADE OF 2 COMPONENTS, 100% SOLIDS AND 100% REACTIVE EPOXY AND SUITABLE FOR USE ON DRY OR DAMP SURFACES EQUAL TO "SIKADURE 32 HI-MOD" BY SIKA CHEMICAL CO. THE ENTIRE SURFACE SHALL BE PREPARED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
- ALL CONCRETE FLOOR SLABS SHALL BE FINISHED TO A FLATNESS OF ±3R AND FL-25 OR BETTER AS MEASURED IN ACCORDANCE WITH ASTM E1155 "STANDARD TEST METHOD FOR DETERMINING FLOOR FLATNESS AND LEVELNESS USING THE "F" NUMBER" SYSTEM. FITCH TO DRAIN AS SHOWN ON THE DRAWINGS.
- ALL EXPOSED CONCRETE EDGES AND CORNERS SHALL BE CHAMFERED 1 INCH (ON THE SLOPE) UNLESS NOTED OTHERWISE.
- ALL FINIS AND PROTECTIVE SHALL BE REMOVED AND CONCRETE PATCHED IF REQUIRED. ALL TIE HOLES SHALL BE PATCHED WITH PORTLAND CEMENT GROUT SO AS THE FINAL COLOR SHALL MATCH THE WALL.
- ALL HONEYCOMBS SHALL BE CUT BACK TO SOUND CONCRETE AND REMOVED. PATCH AREA WITH CONCRETE ADHESIVE AND OR GROUT SO FINAL COLOR MATCHES SURROUNDING CONCRETE. DEEP HONEYCOMBS SHALL BE CUT OUT BACK TO SOUND CONCRETE AROUND ALL REINFORCING 1 INCH CLEAR. THEN PATCH WITH AN APPROVED MORTAR FOLLOWING MANUFACTURER'S REQUIREMENTS.
- CONTRACTOR SHALL SUBMIT TO THE ENGINEER ALL CONSTRUCTION JOINT LOCATIONS PRIOR TO ANY CONSTRUCTION. ONLY APPROVED LOCATIONS WILL BE ACCEPTABLE.
- CONTRACTOR SHALL COORDINATE ALL EMBEDDED ITEMS, SLEEVES AND SLAB RECESSES WITH ALL TRADES AND ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. NO SLEEVE, OPENING OR INSERT IS PERMITTED IN A BEAM, JOIST OR COLUMN WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.
- NOTIFY ENGINEER IMMEDIATELY WITH CONFLICTS REGARDING CONCRETE CONSTRUCTION, INSERTS, OPENINGS, SLEEVES, REINFORCING BARS, ANCHOR BOLTS, ETC.
- IN THE EVENT THERE ARE EMBEDS, SLEEVES, ENCASEMENTS, ETC. THAT ARE NOT SPECIFICALLY DETAILED BUT ARE REQUIRED IN ANY CONCRETE ELEMENT, THAT ELEMENT SHALL BE ENLARGED OR THICKENED AS REQUIRED TO PROVIDE THE CODE MINIMUM COVER REQUIREMENTS FOR THE ITEM OR REINFORCING.
- REINFORCING:

TYPICAL - ASTM A615, GRADE 60	
REINFORCING TO BE WELDED - ASTM A706	
DEFORMED BAR ANCHORS - ASTM A 496	
WELDED WIRE FABRIC - ASTM A1064 (FLAT SHEETS ONLY)	
GROUT UNDER BASE PLATES TO BE HIGH STRENGTH (5,000 PSI), NON-SHRINK.	
REFER TO THE DRAWINGS FOR REINFORCING LAP REQUIREMENTS. WHERE LAP SPLICES ARE NOT SHOWN, LAP PER ACI 318 OR CRSI STANDARDS.	
LAP WELDED WIRE FABRIC SHEETS 8" MINIMUM.	
CLEAR COVER FROM FACE OF CONCRETE:	
CAST IN PLACE CONCRETE (MEASURE TO OUTERMOST REINFORCING) -	
CONCRETE CAST AGAINST AND EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH/WEATHER	2" FOR #6 BARS AND LARGER 1 1/2" ELSE
CONCRETE NOT EXPOSED TO EARTH/WEATHER	3/4" FOR SLABS AND WALLS 1 1/2" FOR BEAMS AND COLUMNS (TO TIES)
- PROVIDE REINFORCING IN SLABS ON GRADE, 1-1/2" FROM TOP OF SLAB:

4" SLABS	6#6-W2.1Wx2.1
5" SLABS	6#6-W2.5Wx2.5
6" SLABS	#3@12"OC EACH WAY
- ALL WELDED WIRE FABRIC SPLICES SHALL NOT BE LESS THAN (2) SPACINGS OF CROSS WIRES, OR 8 INCH, WHICHEVER IS GREATER.
- WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH ADJACENT COLUMN FOOTINGS.
- PROVIDE VERTICAL EXTERNAL SLITS AT 24"OC WITH TIES AT 14"OC VERTICALLY IN ALL CONCRETE WALLS BACKING-UP MASONRY VENEER.
- BAR SUPPORTS FOR CONCRETE EXPOSED TO VIEW SHALL HAVE PLASTIC COATED LEGS OR BE HOT DIP GALVANIZED AFTER FABRICATION.
- MECHANICAL AND ELECTRICAL CONDUIT IN SLABS ON GRADE AND ELEVATED SLABS SHALL RUN UNDER TOP LAYER OF SLAB REINFORCING. PROVIDE A MINIMUM OF 1-1/2" CLEAR BETWEEN CONDUITS AND BETWEEN REINFORCING AND ADJACENT CONDUITS PARALLEL TO REINFORCING. IF MAXIMUM SIZE OF CONDUIT EXCEEDS ONE THIRD OF THE SLAB DEPTH, ADDITIONAL BRACING OR REINFORCING MAY BE NECESSARY AT ENGINEER'S DISCRETION.
- MECHANICAL AND ELECTRICAL CONDUIT IN ELEVATED SLABS ON METAL DECK IS NOT ALLOWED UNLESS SPECIFICALLY REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO PLACEMENT.
- HEADED CONCRETE ANCHORS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A108, GRADES 1010, 1015, 1017, OR 1020. STUDS SHALL BE AUTOMATICALLY END WELDED IN THE SHOP OR FIELD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- EMBED PLATES MUST BE SET IN THE FORM BEFORE POURING CONCRETE, NOT PLACED INTO TOP OF WET CONCRETE. THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR CORRECTIVE DETAILS FOR ANY EMBED PLATES LEFT OUT OF CONCRETE POURS.
- FOR SLABS ON GRADE, SLAB AND FOOTING REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS WITH SAND PLAGES, OR PRECAST CONCRETE BAR SUPPORTS AS DESCRIBED IN CHAPTER 3 OF THE CRSI MANUAL OF STANDARD PRACTICE. BAR SUPPORTS SHALL BE SPACED AT A MAXIMUM OF 4'-0"OC BOTHWAYS. ROCKS, CMU, OR CLAY BRICK WILL NOT BE USED AS SUPPORTS. PULLING UP THE WELDED WIRE FABRIC IS NOT ACCEPTABLE.
- HORIZONTAL REINFORCING BARS SHALL BE SUPPORTED OVER EARTH WITH HIGH STRENGTH CONCRETE BRICKS OR OTHER APPROVED NON-CORROSIVE MATERIAL.
- REINFORCEMENT TO BE FREE TO EXCESSIVE RUST, LOOSE SCALES OR OTHER COATING OF ANY CHARACTER WHICH WOULD REDUCE OR DESTROY THE BOND.
- ALL CLEARANCES, BENDING AND DETAILING SHALL CONFORM TO ACI 315, CRSI STANDARD DETAILS AND THESE DRAWINGS.
- ALL REINFORCING SHALL BE DETAILED, FABRICATED AND INSTALLED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION OF CRSI (CRSI 63 "RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS" AND CRSI 65 "RECOMMENDED PRACTICE FOR PLACING BAR SUPPORTS, SPECIFICATIONS AND NOMENCLATURE") AND THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES OF ACI.
- PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION.
- THE CONTRACTOR SHALL ASSUME CONCRETE OVERAGES IN ELEVATED DECK POURS DUE TO MEMBER AND DECK DEFLECTIONS. UNLESS SHOWN ON PLANS, BEAMS ARE NOT CAMBERED. CONCRETE OVERAGES MAY BE CALCULATED BY THE CONTRACTOR FOR BEAM DEFLECTIONS EQUALING 3/300 INCLUDING ADDITIONAL DEFLECTIONS DUE TO PONDING AND DECK DEFLECTIONS PER SDI.
- REBAR SHALL NOT BE HEAT WITH A TORCH IN THE FIELD.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER FAR ENOUGH IN ADVANCE (48 HOURS) OF EACH CONCRETE POUR TO ALLOW AMPLE TIME TO CHECK THE LAYOUT OF THE STEEL BEFORE THE BEGINNING OF THE ACTUAL POUR, BUT NOT PRIOR TO 90% OF THE STEEL HAVING BEEN PLACED.
- FIELD BENDING OR TWISTING OF REINFORCING BARS IS PROHIBITED UNLESS APPROVED BY THE ENGINEER IN WRITING. HOWEVER, THE FOLLOWING SCENARIOS WILL BE PERMITTED:
 - TOP OF WALL OR COLUMNS WITH VERTICAL REINFORCING OF #5 OR SMALLER MAY BE FIELD BENT 90 DEGREES PROVIDED THE BENDING RADIUS DOES NOT EXTEND INTO THE TOP OF THE CONCRETE AND BAR TEMPERATURE IS ABOVE 32 DEGREES F. ALL BENDING MUST OCCUR OUTSIDE OF THE CONCRETE. REINFORCING MAY ONLY BE BENT ONE TIME. A REBAR BENDER SHALL BE USED. IF CRACKING OF THE TOP OF WALL OR COLUMN OCCURS, ALL CRACKS SHALL BE FILLED WITH A VERY HIGH VISCOSITY EPOXY REPAIR PRODUCT APPROVED BY THE ENGINEER.
 - TOP OF WALL OR COLUMNS WITH HOOKED DOWELS THAT EXTEND HORIZONTAL FOR SUBSEQUENT SLAB POUR ARE TOO HIGH AND WILL STICK OUT OF SLAB. THE CAN BE FIELD BENT TO LOWER THE TOP ELEVATION OF THE REINFORCING PROVIDED THE NEW RADIUS DOES NOT EXTEND INTO THE CONCRETE. IF THE REINFORCING IS #6 OR LARGER, THEN HEAT REINFORCING TO BETWEEN 1100 DEGREES AND 1200 DEGREES F (MAXIMUM OF 1500 DEGREES F) AND BEND TO THE CORRECT HEIGHT. THE HEATED AREA SHALL EXTEND 5 BAR DIAMETERS IN EACH DIRECTION BUT IN NO CASE SHALL THE HEAT EXTEND INTO THE CONCRETE. IF CRACKING OF THE TOP OF WALL OR COLUMN OCCURS, ALL CRACKS SHALL BE FILLED WITH A VERY HIGH VISCOSITY EPOXY REPAIR PRODUCT APPROVED BY THE ENGINEER.
- CONCRETE SAMPLING/TESTING:
 - OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE, NOR LESS THAN ONE COMPOSITE SAMPLE FOR EACH 50 CY. YD. ONCE THE POUR IS OVER 100 CY.YD., THEN ONE SAMPLE FOR EVERY 100 CY AFTER.
 - EACH SAMPLE SHALL CONTAIN (4) 6"x12" TEST CYLINDERS OR (5) 4"x8" CYLINDERS. ONE CYLINDER SHALL BE TESTED AT 7 DAYS AND (2) 6"x12" OR (3) 4"x8" CYLINDERS AT 28 DAYS. THE REMAINING CYLINDER SHALL BE A RESERVE FOR 56 DAYS IF NEEDED.

FOUNDATIONS

- FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL INVESTIGATION REPORT BY STEWART DATED 04/11/18. (PROJECT #G18011.00). THE DESIGN ALLOWABLE SOIL BEARING PRESSURE IS 2,000 PSF. BASED ON THIS REPORT.
- SPECIAL CONSIDERATIONS MUST BE FOLLOWED AS OUTLINED IN THE ABOVE SOILS REPORT AND AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN THE SOILS REPORT FROM THE ARCHITECT OR OWNER AND BE FAMILIAR WITH THE RECOMMENDATIONS THAT ARE PART OF THE REPORT. ALL MUST BE FOLLOWED UNLESS WRITTEN DIRECTION IS GIVEN FROM THE ENGINEER.
- FOOTINGS SHALL BE CARRIED TO LOWER ELEVATIONS THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED BY THE GEOTECHNICAL ENGINEER OR TESTING LAB TO REACH SOIL CAPABLE OF PROVIDING THE DESIGN ALLOWABLE SOIL BEARING PRESSURE.
- THE SUBGRADE AND UNDERFLOOR FILL SHALL BE PREPARED TO A POINT THAT EXTENDS 3'-0" MINIMUM BEYOND THE LIMITS OF THE FOUNDATION.
- MINIMUM SUBGRADE PREPARATION REQUIREMENTS ARE AS FOLLOWS: COMPACT ALL FILL UNDER BUILDING TO 95% MAXIMUM DENSITY AS DETERMINED BY ASTM D698. PLACE IN LAYERS 10" THICK FOR HEAVY RIDE ON COMPACTORS. REDUCE THICKNESS TO 6" WHEN USING LIGHTER MANUFACTURERS ARE REQUIRED MORE THAN 4" FOR SLED AND JUMPING-JACK TAMPERS. VERIFY FIELD DENSITY, ASTM D1556, WITH AT LEAST ONE TEST PER 2,000 SQUARE FEET PER LAYER. SEE SPECIFICATIONS FOR OTHER TESTING REQUIREMENTS.
- UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER. STEP FOOTINGS DOWN AS REQUIRED SO THAT UTILITIES ARE ABOVE THE FOOTING. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS OF ALL SUCH CONDITIONS PRIOR TO CONSTRUCTION.
- ALL EXPANSIVE SOILS AND OR LOOSE SOILS SHALL BE REMOVED AND REPLACED AS DIRECTED BY A GEOTECHNICAL ENGINEER UNDER ALL STRUCTURAL FOUNDATIONS.
- ALL FOUNDATION PADS SHALL BE CENTERED BELOW COLUMNS UNLESS NOTED OTHERWISE.
- ALL FOOTING EXCAVATIONS NOT PLACED WITH CONCRETE ON THE SAME DAY OF EXCAVATION SHALL BE PROTECTED BY A 3-INCH-THICK MUD SLAB (OF CONCRETE). WHERE USED, THE CONCRETE MUD SLAB SHALL NOT DECREASE THE FOOTING DEPTH AS SPECIFIED IN THE FOOTING SCHEDULE FOR THE RESPECTIVE FOOTING.
- TOP OF FOOTING ELEVATIONS SHOWN ON PLANS ARE MINIMUMS AND MAY VARY DUE TO SITE OR UTILITY CONDITIONS. CONTINUOUS WALL FOOTINGS MAY BE LOWERED FROM PLANNED ELEVATIONS TO SLIT SITE OR UTILITY CONDITIONS BY STEPPING AT A RATE OF 1 FOOT VERTICAL TO 2 FEET HORIZONTAL. SEE THE TYPICAL STEPPED FOOTING DETAIL. IN NO CASE SHALL THE TOP OF FOOTING ELEVATIONS BE HIGHER THAN NOTED

GRANULAR BASE AND BACKFILL MATERIAL

- GRANULAR BASE AND BACKFILL MATERIAL SHALL BE BANK RUN GRAVEL OR SAND, OR PROCESSED STONE MEETING THE GRADATION CRITERIA OF ASTM D-2487 FOR WELL-GRADED GRAVELS (GW) OR SAND (SW OR SP). MAXIMUM PARTICLE SIZE SHALL PASS A 2 INCH SIEVE.
- THE MATERIAL SHALL CONTAIN LESS THAN 15% FINEST FINES PASSING THE NO. 200 SIEVE, AND SHALL HAVE A MAXIMUM PLASTICITY INDEX OF SIX.
- GRANULAR MATERIAL FOUND ON THE SITE MAY BE USED FOR BACKFILL MATERIAL SUBJECT TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER

VAPOR RETARDERS (BARRIERS)

- PLASTIC VAPOR BARRIERS/RETARDERS SHALL COMPLY WITH ASTM E1745, CLASS A NOT LESS THAN 15 MILS THICK.
- VAPOR BARRIERS SHALL COMPLETELY COVER THE SUBGRADE BELOW ALL SLAB-ON-GRADE NOTED TO HAVE VAPOR BARRIERS. JOINTS BETWEEN SHEETS SHALL BE OVERLAPPED AND TAPED WITH THE MANUFACTURER'S STANDARD TAPE.
- ALL PENETRATIONS THRU THE VAPOR BARRIER SHALL BE TIGHT TO THE OBSTRUCTION WITH TAPE SECURING THE OBSTRUCTION AND THE VAPOR BARRIER TOGETHER SO AS NO VAPOR CAN TRANSMIT THRU THE JOINT.

ISOLATION, CONTRACTION, CONSTRUCTION AND EXPANSION JOINTS

- CONTRACTOR SHALL PROVIDE NECESSARY CONSTRUCTION JOINTS IN MONOLITHIC CONCRETE POURS SO THAT THE QUALITY OF PLACEMENT AND FINISH MEETS THE REQUIREMENTS OF PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT A PLAN SHOWING THE LOCATION OF ALL CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL.
- THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS. ALL VERTICAL CONSTRUCTION JOINTS IN SLABS AND BEAMS SHALL BE MADE WITH BULKHEADS, ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS SHALL BE AS SPECIFIED BY THE STRUCTURAL ENGINEER. SEE TYPICAL CONSTRUCTION JOINT DETAILS.
- PREFORMED JOINT FILLER SHALL BE 1/4 INCH ON ALL INTERIOR WORK AND 1/2 INCH ON EXTERIOR WORK. JOINT FILLER SHALL CONFORM TO ASTM D1751 HAVE A MINIMUM COMPRESSIVE STRENGTH OF 600 PSI, COMPRESS 50 PERCENT UNDER A 1,250 PSI OF PRESSURE AND BE EQUAL TO "SEALTIGHT FIBRE EXPANSION JOINT FILLER" BY W.R. MEADOWS.
- CONSTRUCTION JOINTS IN SLABS SHALL BE SAW CUT AS DETAILED USING A WET SAWCUTTING METHOD AS SOON AS THE CONCRETE WILL SUPPORT THE SAWING EQUIPMENT AND WILL NOT RAVEL DURING THE SAWING OPERATION. IN NO CASE SHALL THE SAWING BE LATER THAN 12 HOURS AFTER PLACING THE CONCRETE.

STRUCTURAL MASONRY

- LOAD-BEARING MASONRY WALLS, PILASTERS, PIERS, RETAINING WALLS, FOUNDATION WALLS AND ANY OTHER MASONRY SO DESIGNATED ON DRAWINGS IS CONSIDERED HERE TO BE STRUCTURAL MASONRY.
- ALL MASONRY SHALL CONFORM TO THE FOLLOWING PUBLICATIONS AND COMMENTARIES (LATEST EDITION):
 - NATIONAL CONCRETE MASONRY ASSOCIATION'S SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY.
 - PORTLAND CEMENT ASSOCIATION'S CONCRETE MASONRY HANDBOOK.
 - ACI 530: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES.
 - ACI 530.1: SPECIFICATIONS FOR MASONRY STRUCTURES.
- REQUIRED COMPRESSIVE STRENGTH OF MASONRY UNITS:

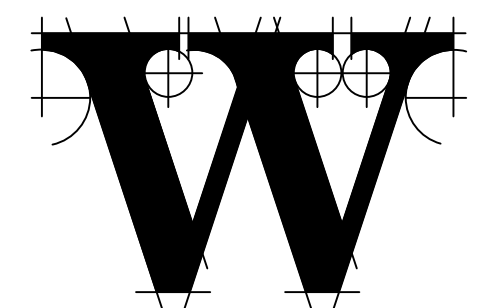
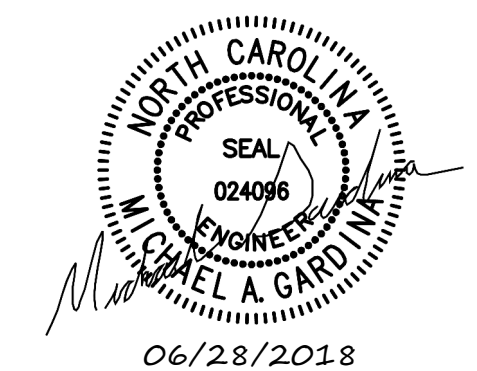
SOLID CLAY UNITS - 6,200 PSI
CONCRETE UNITS - 2,000 PSI NET AREA
CONCRETE MASONRY UNITS (CMU) SHALL BE LIGHT WEIGHT (105 PCF) GRADE N, CONFORMING TO ASTM C90. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR UNIT SIZE, FACE, COLOR, JOINTING, ETC.
MORTAR SHALL BE TYPE S, ASTM C27.
GROUT FOR REINFORCED MASONRY SHALL BE FINE GROUT, ASTM C476. MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE 2000 PSI.
ALL GROUT SHALL HAVE A SLUMP BETWEEN 8 INCHES TO 11 INCHES SLUMP.
MINIMUM 28-DAY COMPRESSIVE STRENGTH (f'm) OF THE MASONRY WALLS SHALL BE 2000 PSI. MASONRY STRENGTH SHALL BE DETERMINED BY THE UNIT STRENGTH METHOD OR THE PRISM TEST METHOD AS DESCRIBED BY ACI 530.
- REINFORCING:

TYPICAL - ASTM A615, GRADE 60.
ALL REINFORCING TO BE WELDABLE - ASTM A706.
- REFER TO THE DRAWINGS FOR REINFORCING LAP TYPICAL DETAIL AND SCHEDULE REQUIREMENTS. WHERE LAP SPLICES ARE NOT SHOWN, LAP 72 BAR DIAMETERS PER ACI 530 AS MODIFIED BY THE STATE BUILDING CODE, UNLESS NOTED ON DRAWINGS.
- WHEN WALL HEIGHT EXCEEDS 5 FEET FOR ANY LIFT OR POUR, 4 INCH X 4 INCH CLEANOUTS SHALL BE SAW CUT AND PROVIDED IN THE BOTTOM COURSE OF MASONRY IN EACH GROUT LIFT/POUR. PRIOR TO PLACING GROUT, ALL MATERIAL AT THE BASE OF THE WALL INCLUDING TRASH, MORTAR DROPPINGS, ETC. SHALING OUT. AFTER CLEANING OUT, INSTALL A WOOD FORM TO COVER THE OPENING. AFTER THE GROUT POUR, THE WOOD FORM SHALL BE REMOVED AND THE GROUT CONSOLIDATION CHECKED.
- PLACE GROUT IN LIFTS NOT EXCEEDING 5 FEET. CONSOLIDATE EACH LIFT BY MECHANICAL VIBRATION AND RE-CONSOLIDATE BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENTS HAVE OCCURRED. AT THE END OF A GROUT LIFT, THE GROUT SHALL BE HELD DOWN FROM THE TOP OF THE BLOCK 2 INCH MINIMUM TO ALLOW FOR A KEY TO BE CREATED FOR THE NEXT LIFT/POUR. WAIT A MINIMUM OF 30 MINUTES AND MAXIMUM OF 60 MINUTES BETWEEN EACH SUCCESSIVE GROUT LIFT.
- MAXIMUM GROUT LIFT (GROUT POURED IN ONE CONTINUOUS OPERATION) IS 5 FEET. THIS LIMIT ALSO APPLIES TO "HIGH LIFT" GROUTING.
- MASONRY CELLS TO BE GROUTED SHALL HAVE CROSS WEB BEDDING.
- REINFORCE MASONRY WHERE SHOWN ON STRUCTURAL DRAWINGS. THE REINFORCING IN POSITION AND PLACE GROUT AROUND REINFORCING. DO NOT PUSH REINFORCING DOWN INTO PREVIOUSLY PLACED GROUT FILL. SET BOLTS SIMILARLY.
- THE MASONRY WYTHES WITH HORIZONTAL REINFORCING AS SPECIFIED.
- PROVIDE VERTICAL BARS, SIZE MATCHING WALL REINFORCING, AT ALL CORNERS, ENDS OF WALLS, EACH SIDE OF CONTROL JOINTS AND EACH SIDE OF WALL OPENINGS. TIE EACH BAR TO THE FOUNDATION WITH A MATCHING DOWEL. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CONTROL JOINTS.
- ALL CORNERS AND INTERSECTIONS OF STRUCTURAL MASONRY WALLS SHALL BE CONSTRUCTED BY INTERLOCKING COURSES.
- ALL LINTELS TO BEAR 8" MINIMUM EACH SIDE OF OPENING, UNLESS NOTED OTHERWISE.
- GROUT ALL MASONRY WALLS AND CAVITY BELOW GRADE SOLID. GROUT ALL WALLS ABOVE GRADE AT THE REINFORCED CELLS (MIN) OR AS INDICATED IN SPECIFIC SECTIONS.
- ONE 3/4" (MAXIMUM) VERTICAL CONDUIT ALLOWED IN ANY REINFORCED CELL PROVIDED 1" CLEAR IS MAINT



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP

- ARCHITECTS -

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twarghitects.com

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT

CONSULTING ARCHITECT

LS3P

STRUCTURAL ENGINEER

FIRM LICENSE #C-1051

STEWART

FP/PM/E ENGINEER

CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS

BNP

AIRCRAFT SUPPORT SYSTEMS

DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT

HARTRANFT

SINGAGE & WAYFINDING

TAKEFORM

COPYRIGHT © 2019

THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

GENERAL NOTES & ABBREVIATIONS

SHEET NUMBER
S0-002

ABBREVIATION LIST

@	AT
&	AND
Ø	DIAMETER
AB	ANCHOR BOLTS
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADH	ADHESIVE
AFF	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AI	AMERICAN IRON AND STEEL INSTITUTE
ALT	ALTERNATE
ARCH	ARCHITECT'S / ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BY of BOT	BOTTOM
BFF	BOTTOM CHORD EXTENSION
BLDG	BUILDING
BH	BEA.
BOS	BOTTOM OF STEEL
BRG	BEARING
BTWN	BETWEEN
CANT	CANTILEVER
CL	CONTROL JOINT
CLR	CENTERLINE
CMU	CLEAR
COL	CONCRETE MASONRY UNIT
CONC	COLUMN
CONN	CONCRETE
CONN JT	CONNECTION
CONT	CONSTRUCTION JOINT
CONTR	CONTINUOUS
COORD	CONTRACTOR
CTRD	COORDINATE
d	CENTERLINE
DBA	NAILS (PENNY)
DFEL	DEFORMED BAR ANCHOR
DEF	DEFLECTION
DET	DEPRESSION / DEPRESSED
DIA	DETAIL
DIAG	DIAMETER
DIAGN	DIAGONAL
DIS	DIAGONAL BRACING
DIST	DISTANCE
DWG(S)	DRAWING(S)
DWL(S)	DOVEL(S)
EA	EACH
EE	EACH END
EFC	EACH FACE
EF	EXPANSION JOINT
ELEV	ELEVATION
EMBED	EMBEDDED / EMBEDMENT
ENGR	ENGINEER
EOD	EDGE OF DECK
EQ	EDGE OF SLAB
EQU	EQUAL
EQUIP	EQUIPMENT
EXP	EXPANSION
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FEL	FINISHED FLOOR ELEVATION
FOM	FACE OF MASONRY
FOW	FACE OF WALL
FS	FACE OF FOOTING
FTC	FACE OF FINISH
GA	GAUGE
GALV	GALVANIZED
HEA	HEADED
HIGH	HIGH
HORIZ	HORIZONTAL
HD	HOLLOW STRUCTURAL SECTION
HSS	HOLLOW STRUCTURAL SECTION
INT	INTERIOR
JT	JOINT
KIP(S)	KIP(S)
KB	KNEE BRACE
KSI	KIPS PER SQUARE INCH
LB	LONG BAR
LBS	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOW	LOW
LOC	LOCATION
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LWC	LIGHT WEIGHT CONCRETE
MAX	MAXIMUM
MC	MOMENT CONNECTION
MECH	MECHANICAL
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
NOW	MIDDLE OF WALL
MP	MASONRY PILASTER
No or #	NUMBER
NS	NEAR SIDE
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE HAND
PAF	POWDER ACTUATED FASTENER
PED	PEDESTAL
PL	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
P.T	POST TENSIONED
REF	REFERENCE
REINF	REINFORCING
REQD	REQUIRED
SB	SHORT BAR
SCHD	SCHEDULE
SIM	SIMILAR
SOG	SLAB ON GRADE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
STIFF	STIFFENER
STR	STRUT(S)
STL	STEEL
STR	STRUCTURAL
TJ	TOP
TCX	TOP CHORD EXTENSION
TOC	TOP CHORD CONCRETE
TOP	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNP	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/F	WELDED WIRE FABRIC
WP	WORK POINT

STRUCTURAL STEEL

- STRUCTURAL STEEL:
 - WIDE FLANGE SHAPES (W SECTIONS) - ASTM A992, GRADE 50 (FY=50 KSI)
 - CHANNELS, ANGLES, RODS, AND BARS - A36 (FY=36 KSI)
 - PLATES - ASTM A572, GRADE 50 (FY=50 KSI) OR ASTM A36 (FY=36 KSI)
 - SQUARE AND RECTANGULAR TUBES - ASTM A500, GRADE B (FY=46 KSI)
 - PIPES - ASTM A53, GRADE B (FY=35 KSI)
- ANCHOR BOLTS AND THREADED RODS SHALL CONFORM TO ASTM F1554, GRADE 36.
- DESIGN, FABRICATION AND ERECTION SHALL BE AS PER SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360-10).
- BEAM SIMPLE SHEAR AND BRACED FRAME CONNECTIONS NOT DETAILED ON STRUCTURAL DRAWINGS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE STEEL SUPPLIER AND REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. THE CONNECTIONS FOR NON-COMPOSITE BEAMS SHALL BE DESIGNED FOR REACTIONS SHOWN ON DRAWINGS OR FOR REACTIONS DETERMINED BY USING THE ALLOWABLE UNIFORM LOAD AS TABULATED IN PART 3 OF THE AISC STEEL CONSTRUCTION MANUAL FOR THE SECTION, SPAN AND STRENGTH OF STEEL SPECIFIED. CONNECTIONS SHALL BE MADE WITH ASTM A325 3/4" BOLTS (MINIMUM), TIGHTENED TO A SHAG-TIGHT CONDITION PER AISC REQUIREMENTS.
- REACTIONS MAY BE OMITTED ON PLANS FOR CLARITY. REACTIONS CAN BE PROVIDED ONCE A CONTRACT IS AWARDED. NOTIFY ENGINEER OF REQUEST.
- THE CONNECTION ENGINEER SHALL SUBMIT A SIGNED AND SEALED LETTER STATING THEY HAVE REVIEWED THE STEEL SHOP DRAWINGS AND THE CONNECTIONS ARE CONSISTENT WITH THEIR CALCULATIONS AND INTENT.
- BOLTED CONNECTIONS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, LATEST EDITION, APPROVED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS AND ENDORSED BY AISC. IF BOLTS ARE TO BE GALVANIZED, THEY SHALL HAVE A ROCKWELL HARDNESS OF C-32 OR GREATER.
- CONNECTIONS NOT SPECIFICALLY NOTED OTHERWISE SHALL BE BEARING SNUG TIGHT CONNECTIONS AND SHALL BE HAVE WASHERS AS REQUIRED AND NUTS TIGHTENED SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT. THE SNUG-TIGHTENED CONDITION SHALL BE ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.
- WHERE STEEL MEMBERS ARE WELDED AND NO SIZE IS SPECIFIED, PROVIDE FULL LENGTH FILLET WELDS BOTH SIDES OF MEMBER. WELD SIZES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

MEMBER THICKNESS	WELD SIZE
3/16"	3/16"
1/4"	3/16"
5/16"	3/16"
3/8"	1/4"
7/16"	1/4"
1/2"	5/16"
9/16"	3/8"
5/8"	7/16"
- SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE ENGINEER AS TO LOCATION AND TYPE OF SPLICE TO BE MADE. ANY MEMBER HAVING A SPLICE NOT SHOWN AND DETAILED ON SHOP DRAWINGS WILL BE REJECTED.
- ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE. USE E70 SERIES ELECTRODES FOR ALL STRUCTURAL STEEL WELDS.
- SEE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL ITEMS REQUIRED TO BE HOT-DIP GALVANIZED AFTER FABRICATION.
- ULTRASONIC INSPECTION BY THE TESTING LABORATORY SHALL BE PROVIDED FOR ALL WELDS CALLED FOR ON THE STRUCTURAL DRAWINGS OR SHOP DRAWINGS AS FULL PENETRATION WELDS.
- DETAILING AND FABRICATION OF STRUCTURAL STEEL SHALL BE PERFORMED BY A FABRICATOR WITH A MINIMUM OF 5 YEARS EXPERIENCE IN FABRICATION OF STRUCTURAL STEEL.
- ERECTION OF STRUCTURAL STEEL SHALL BE BY AN ERECTOR REGULARLY ENGAGED IN THE ERECTION OF STRUCTURAL STEEL. FIELD WELDS SHALL BE PERFORMED BY INDIVIDUALS HOLDING VALID CURRENT CERTIFICATION FROM AWS FOR THE TYPE OF WELD AND MATERIAL BEING WELDED. CONTRACTOR SHALL PROVIDE, UPON EXECUTION OF THE CONTRACT AND IF REQUESTED BY THE OWNER, COPIES OF CURRENT AWS CERTIFICATIONS FOR INDIVIDUALS PERFORMING WELDS.
- ALL WELDS SHALL BE PERFORMED BY CERTIFIED WELDERS. WELDERS SHALL ONLY INSTALL WELDS FOR WHICH THEY HAVE BEEN CERTIFIED TO PERFORM. WELDER CERTIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO ANY ERECTION. CERTIFICATIONS SHALL CLEARLY NOTE THE RESPECTIVE WELDING PROCEDURES IN WHICH THE RESPECTIVE WELDER HAS BEEN CERTIFIED UNDER. THE SUBMITTAL SHALL INCLUDE THE WELDING CERTIFICATION, WELDING PROCEDURE (WPS) AND ANY SUPPORTING SPECIFICATION. ALL CERTIFICATIONS SHALL BE PER AWS AND BE CURRENT. WELDING LOGS TO DEMONSTRATE CONTINUED WELDING IF CERTIFICATIONS ARE OLDER THAN 2 YEARS.
- ALL BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER LOCATED ABOVE THE HORIZONTAL CENTERLINE BETWEEN THE END CONNECTIONS.
- PREPARE STEEL SURFACES IN ACCORDANCE WITH SSPC-SP3 - POWER TOOL CLEANING, EXCEPT FOR AESS STEEL, SEE SPECIFICATIONS.
- ALL EXTERIOR LINTELS AND SHELF/RELIEVING ANGLES SHALL BE PAINTED AS NOTED ON THE ARCHITECTURAL DRAWINGS.
- STRUCTURAL STEEL NOTED AS BEING GALVANIZED SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 OR ASTM A153. GALVANIZING AFTER FABRICATION WHERE PRACTICABLE. AFTER ERECTION, REPAIR ANY DAMAGE TO THE GALVANIZED COATING USING ASTM A780 ZINC RICH PAINT. DO NOT HEAT SURFACES TO WHICH REPAIR PAINT HAS BEEN APPLIED.
- SIZE, SPACING AND USE OF HOLES SHALL BE PER AISC 3.2 UNLESS NOTED OTHERWISE.
 - COLUMN BASE PLATES ARE PERMITTED TO HAVE OVERSIZED HOLES AS NOTED IN AISC TABLE 14-2 WITH MINIMUM SIZED WASHERS NOTED IN TABLE LATERAL LOAD RESISTING FRAMES SHALL HAVE WASHERS WELDED TO BASE PLATES
 - WHERE OVERSIZED OR SLOTTED HOLES ARE INDICATED OR PERMITTED BY THE ENGINEER SHALL HAVE PLATE WASHERS OR A CONTINUOUS BAR WITH STANDARD HOLES HAVING A SIZE SUFFICIENT TO COMPLETELY COVER THE SLOT AFTER INSTALLATION AND A MINIMUM PLATE OR WASHER THICKNESS OR 5/16 INCH.
- ERECTION OF ALL PRIMARY AND SECONDARY STRUCTURAL STEEL MEMBERS SHALL BE IN ACCORDANCE WITH AISC REQUIREMENTS. MEMBERS SHALL BE PLUMBED AND SQUARED WITHIN TOLERANCE IN ALL DIRECTIONS BEFORE ERECTION OF ALL FRAMING MEMBERS AND COMPLETION OF CONNECTIONS. TEMPORARY BRACING SHALL REMAIN IN TACT UNTIL PERMANENT LATERAL BRACING IS COMPLETED (INCLUDES DECK WELDING, BRACES WELDED AND/OR MOMENT CONNECTIONS COMPLETED). TEMPORARY BRACING SHALL BE MAINTAINED DAILY. IF SLACKED TEMPORARY BRACING CABLES ARE FOUND, THE STRUCTURE WILL BE ASSUMED TO NOT BE PLUMB UNTIL THE ERECTOR CAN PROVIDE PROOF THE STRUCTURE IS PLUMB BY OBTAINING A CERTIFIED SURVEY OF ALL COLUMNS BY A LICENSED LAND SURVEYOR. THE COST OF THIS SURVEY IS BY THE ERECTOR.
- THERE SHALL BE NO FIELD BURNING OF MISALIGNED HOLES. ANY MISALIGNMENT SHALL BE CORRECTED BY FIELD DRILLING OR REAMING ONLY, AND OVERSIZED WASHERS SHALL BE INSTALLED IF RESULTING HOLE SIZES EXCEED TOLERANCES.
- NO FIELD MODIFICATIONS OF MEMBERS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. FIELD CHIPPING OR BURNING, WHEN PERMITTED BY THE ENGINEER FOR FIELD MODIFICATIONS, SHALL BE ACCOMPLISHED BY CHIPPING OR BURNING TO WITHIN 1/4 INCH OF THE CUT LINE, AND THE REMAINING MATERIAL TO BE REMOVED SHALL BE REMOVED BY GRINDING WITH AN ABRASIVE WHEEL.
- PROVIDE BENT PLATE SLAB EDGE FORMS, MASONRY ANCHORS AND OTHER MISCELLANEOUS ACCESSORY FRAMING NOTED ON THE DRAWINGS.
- PROVIDE 12 X 3 1/4 WELDED FRAMES AT ALL ROOF SUMP PANS TO SUPPORT EDGES OF ROOF DECK.
- ALL CONNECTION DETAILS, BRACING AND ERECTION OF STEEL SHALL COMPLY WITH MINIMUM OSHA REQUIREMENTS.

DEMOLITION

- THE CONTRACTOR SHALL NOTIFY ALL LOCAL AGENCIES HAVING JURISDICTION, AND SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED FOR THE DEMOLITION AND REMOVAL OF THE DEBRIS RESULTING FROM THE DEMOLITION
- CONTRACTOR SHALL RETAIN, AT THEIR EXPENSE, A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED, TO DETERMINE ALL CONSTRUCTION PHASE SHORING REQUIREMENTS. CONTRACTOR SHALL SUBMIT TO THE OWNER AND THE ENGINEER OF RECORD, SIGNED AND SEALED DRAWINGS, OUTLINING OPERATIONAL SEQUENCES, SHORING CONCEPTUAL PLANS, METHODS USED FOR THE PROTECTION OF STRUCTURES TO REMAIN AND NEIGHBORING STRUCTURES.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION AND STABILITY OF EXISTING AND NEW STRUCTURES DURING CONSTRUCTION, BEFORE UNDERTAKING ANY DEMOLITION WORK OR ORDERING MATERIAL. ASCERTAIN BY SURVEY THE EXISTING CONDITIONS OF THE PROPERTIES AND BUILDINGS ADJOINING OR IN CLOSE PROXIMITY TO THE PREMISES. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY.
- PROVIDE AND MAINTAIN BRACING AND SHORING AS NEEDED. KEEP SUPPORTING STRUCTURE IN PLACE DURING NEW CONSTRUCTION AND UNTIL NEW STRUCTURE IS COMPLETED.
- STORE AND PROTECT ALL MATERIAL TO BE REMOVED AND REUSED.
- IF SAFETY OR INTEGRITY OF STRUCTURAL SYSTEM APPEARS TO BE COMPROMISED, CEASE OPERATIONS IMMEDIATELY AND NOTIFY THE OWNER AND THE ENGINEER. PROPERLY BRACE AND SUPPORT STRUCTURE BEFORE RESUMING OPERATIONS.
- ANY DAMAGE OCCURRING TO THE EXISTING STRUCTURE, ADJACENT STRUCTURES, STREETS, SIDEWALKS, UTILITY LINES OR ANY OTHER PUBLIC OR PRIVATE PROPERTIES, SHALL BE REINSTALLED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT NO COST TO THE OWNER OR THE ENGINEER.
- ALL OPENINGS IN EXISTING CONSTRUCTION SHALL BE SAW CUT OR DRILLED.
- ALL EXISTING INFORMATION SHOWN IS REFERENCED FROM EXISTING DRAWINGS PREPARED BY HOWARD, NEEDLES, TAMMEN AND BERGENSDOFF, DATED 11/10/86.
- AT ALL TIMES DURING DEMOLITION WORK THE EXISTING STRUCTURE, EQUIPMENT AND THOSE PEOPLE USING THE SPACE SHALL BE PROTECTED FROM DAMAGE OR INJURY.
- PROVIDE THE NECESSARY DUSTPROOF ENCLOSURES, PARTITIONS, ETC. REQUIRED TO TEMPORARILY ENCLOSE THE CONSTRUCTION AREA SO AS TO ADEQUATELY PROTECT THE EMPLOYEES, THE EQUIPMENT AND PROPERTY OF THE OWNER. IF ENCLOSURES DO NOT PROVIDE A SUFFICIENT BARRIER TO THE SATISFACTION OF THE OWNER, WORK IN THIS AREA MUST BE COMPLETED IN OFF HOURS AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION MATERIAL NOTED TO BE REMOVED SHALL BE DISPOSED OF IN A LAWFUL MANNER.
- THE SITE SHALL BE LEFT FREE AND CLEAR OF ALL DEBRIS, LOOSE AND UNUSED MATERIALS AND EQUIPMENT

REPRODUCTION

- THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREIN AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HERE ON.

STEEL JOISTS

- ALL STEEL JOISTS SHALL BE OPEN-WEB TYPE CONFORMING TO THE LATEST "STANDARD LOAD TABLE DESIGN, FABRICATION AND ERECTION REQUIREMENTS" PUBLISHED BY THE STEEL JOIST INSTITUTE.
- PROVIDE BRIDGING PER STEEL JOIST INSTITUTE STANDARD SPECIFICATION. ALL BRIDGING SHALL BE BOLTED OR WELDED AT ALL JOISTS AND AT ALL CROSSINGS AND ANCHORED TO SPANDREL MEMBERS. ALL BRIDGING FOR JOISTS USED AS SPANDREL MEMBERS (AT EDGE OF DECK) SHALL BE "X" BRIDGING. SIZE OF BRIDGING SHALL BE DETERMINED BY THE JOIST SUPPLIER. JOIST SUPPLIER TO PROVIDE ADDITIONAL BRIDGING AS REQUIRED FOR UPLIFT LOADS.
- ALL JOISTS SHALL HAVE ANGLE BOTTOM CHORD MEMBERS UNLESS OTHERWISE APPROVED.
- ALL K-SERIES JOISTS SHALL BE WELDED TO SUPPORT STEEL WITH A MINIMUM OF 2" OF 1/8" FILLET WELD AT BOTH SIDES OF JOIST SEAT.
- WHERE JOISTS FRAME TO COLUMNS, JOISTS SHALL BE FIELD BOLTED TO COLUMNS WITH TWO 1/2" DIAMETER A307 BOLTS AT EACH END OF THE JOIST TO PROVIDE LATERAL STABILITY DURING CONSTRUCTION.
- PROVIDE BOLTED DIAGONAL BRIDGING WHERE REQUIRED PER STEEL JOIST INSTITUTE STANDARD SPECIFICATIONS. JOIST SHOP DRAWINGS SHALL INDICATE ALL JOISTS WHICH SHALL HAVE A ROW OF BOLTED BRIDGING IN PLACE BEFORE SLACKENING OF HOISTING LINES.
- JOIST MANUFACTURER SHALL BE PREPARED TO SUBMIT CALCULATIONS FOR ALL JOISTS AT ARCHITECT'S OR ENGINEER'S REQUEST. CALCULATIONS SHALL HAVE LOAD DIAGRAMS FOR EACH MEMBER CLEARLY INDICATING SPAN, UNIFORM AND CONCENTRATED LOADS. ALL CALCULATIONS SHALL BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
- JOISTS SHALL BE DESIGNED FOR A NET WIND UPLIFT LOAD AS NOTED IN THE DESIGN LOADS.
- ALL JOISTS SHALL RECEIVE ONE COAT OF PRIMER CONFORMING TO THE PERFORMANCE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF S.II. IF SPRAYED ON FIRE PROOFING IS REQUIRED, PRIMER SHALL PERMIT ADHERENCE OF FIRE PROOFING TO BAR JOIST OR DO NOT PRIME.
- JOIST SHALL BE DESIGN FOR A TOTAL DEFLECTION OF L/240 FOR ROOFS AND L/360 FOR FLOORS. JOIST MAYBE CAMBERED FOR DEAD LOAD ONLY.
- VERIFY THE LOCATIONS OF ALL ROOF TOP OR CEILING HUNG EQUIPMENT AND EXACT WEIGHT PRIOR TO ANY FABRICATION.
- JOIST MANUFACTURER MUST BE LOCATED BETWEEN PANEL POINTS, PROVIDE JOIST STIFFENERS AS INDICATED ON THE DRAWINGS. ALL HANGERS SHALL BE LOCATED AT THE CENTERLINE OF THE CHORD MEMBER.
- FIELD WELDING BOTTOM CORDS OF OPEN WEB BAR JOISTS SHALL NOT BE COMPLETED UNTIL FULL DEAD LOAD IS PRESENT.
- ALL HANGERS TO SUPPORT MECHANICAL EQUIPMENT, ETC. SHALL BE SUPPORTED BY THE TOP OR BOTTOM CORDS OF JOIST AND LOCATED AT A PANEL POINT. IF HANGERS MUST BE LOCATED BETWEEN PANEL POINTS, PROVIDE JOIST STIFFENERS AS INDICATED ON THE DRAWINGS. ALL HANGERS SHALL BE LOCATED AT THE CENTERLINE OF THE CHORD MEMBER.
- FIELD WELDING TO THE TOP OR BOTTOM CORDS OF JOISTS ARE ONLY PERMITTED IN THE DIRECTION OF THE SPAN. UNDO CIRCUMSTANCES MAY A FIELD WELD BE MADE PERPENDICULAR TO THE SPAN.

NON-LOAD BEARING COLD ROLLED STEEL (METAL STUDS)

- ALL COLD FORMED LIGHT GAGE METAL FRAMING AND CONNECTIONS SHALL BE DESIGNED BY THE SUPPLIER'S ENGINEER. AT ARCHITECT'S OR ENGINEER'S REQUEST CONTRACTOR SHALL SUBMIT CALCULATIONS FOR ALL COLD FORMED METAL FRAMING USED TO SUPPORT CEILINGS AND EXTERIOR CLADDING.
- ALL MEMBERS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE, "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" (S100-12 & S200-12).
- ALL MEMBERS SHALL HAVE TENSILE STRENGTH OF 33 KSI AND BE FORMED FROM STEEL HAVING A G-60 GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A653 AND C955.
- ALL THE COLD-FORMED STEEL STRUCTURAL MEMBERS SHALL COME FROM A SINGLE SOURCE MANUFACTURER; ONLY MANUFACTURERS WHO ARE MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) OR THE STEEL FRAMING INDUSTRY ASSOCIATION (SFIA) WILL BE ACCEPTED. THE INSTALLATION SHALL COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS.
- SUBMIT SHOP DRAWINGS FOR ALL COLD FORMED METAL FRAMING USED TO SUPPORT CEILINGS AND EXTERIOR CLADDING. SHOP DRAWINGS SHALL INDICATE PLACING OF ALL FRAMING MEMBERS SHOWING TYPE, SIZE, GAUGE, NUMBER, LOCATION AND SPACING. THEY SHALL ALSO INDICATE SUPPLEMENTAL STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION.
- SHOP DRAWINGS SHALL SHOW SIZE AND LENGTH OF WELDS FOR ALL WELDED CONNECTIONS AND TYPE, SIZE AND NUMBER OF SCREWS FOR ALL SCREWED CONNECTIONS. SUBMIT MANUFACTURER'S DATA GIVING STRENGTH VALUES FOR SCREWS USED.
- SHOP DRAWINGS SUBMITTED MUST BE PREPARED UNDER THE SUPERVISION OF AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
- ALL STRUCTURAL FRAMING SHALL BE FORMED FROM STRUCTURAL QUALITY STEEL WITH A MINIMUM YIELD STRENGTH OF 50 KSI AND HAVE MINIMUM PROTECTIVE COATING EQUAL TO ASTM A653 G-60 GALVANIZED COATING.
- VERTICAL DEFLECTION CLIPS ARE REQUIRED TO BE CAPABLE OF ACCOMMODATING UPWARD AND DOWNWARD VERTICAL DISPLACEMENT OF THE STRUCTURE THROUGH POSITIVE MECHANICAL ATTACHMENT TO STUD WEB. MECHANICAL ATTACHMENT TO STRUCTURE AND SCREW ATTACHMENT TO STUD WEB USING STEP-BUSHINGS TO PERMIT FRICTIONLESS VERTICAL MOVEMENT. CONNECTIONS MUST BE TESTED IN ACCORDANCE TO ICC AC608 CRITERIA AND HOLD A VALID ICC-ES EVALUATION SERVICE REPORT TO BE ACCEPTABLE.
- WELDED CONNECTIONS SHALL CONFORM TO "CODE FOR WELDING IN BUILDING CONSTRUCTION, D1.0, BY AWS.
- IN LOCATIONS WHERE SLIP CONNECTIONS, DRIFT CLIPS, DEFLECTION CLIPS, DEEP TRACKS OR OTHER FLEXIBLE CONNECTION ARE NOTED ON THE DRAWINGS, SPECIALTY ENGINEER SHALL DESIGN THIS CONNECTION PERMITTING MOVEMENT OF THE STRUCTURE. SELECTION OF THE CORRECT CONNECTION TYPE AND CAPACITIES ARE THE RESPONSIBILITY OF THE SPECIALTY ENGINEER AND WILL BE REVIEWED BY THE ENGINEER OF RECORD. CONNECTIONS TO THE MAIN STRUCTURAL FRAME SHALL BE POSITIONED AS NOTED ON THE PLANS. A CONNECTION TO THE BOTTOM FLANGE OF BEAM IS ONLY ACCEPTABLE WHEN APPROVED BY ENGINEER OF RECORD.
- PERSONNEL EXPERIENCED IN LIGHT GAUGE STEEL FRAMING INSTALLATION SHALL INSTALL ALL STEEL FRAMING.

METAL ROOF DECK

- ALL METAL ROOF DECK SHALL BE THE THICKNESS AND GAGE SHOWN ON THE DRAWINGS. THE DECK SHALL CONFORM TO THE STEEL DECK INSTITUTE SPECIFICATIONS.
- ALL METAL ROOF DECK SHALL BE GALVANIZED CONFORMING TO ASTM A653 WITH A MINIMUM COATING OF G60 (Z180) AS DEFINED IN A653.
- UNLESS A MORE STRINGENT ANCHORAGE SYSTEM IS SPECIFIED ON THE DRAWINGS, ALL DECKING (AT A MINIMUM) SHALL BE CONTINUOUS OVER AT LEAST ONE SUPPORT AND BE FASTENED TO ALL SUPPORTS WITH 5/8 INCH DIAMETER PUDLE WELDS AT THE BOTTOM OF ALTERNATE RIBS SPACED AT 12 INCH ON CENTER. IN ADDITION, DECK PANELS SHALL BE FASTENED TOGETHER AT SIDE LAP JOINTS USING (1) #10 SELF-TAPPING SCREWS) AT MIDSPAN BETWEEN SUPPORTING MEMBERS OR AT 36 INCH INTERVALS, WHICHEVER IS SMALLER.
- ALL DECK SHALL BEAR A MINIMUM OF 1-1/2 INCH ON SUPPORTING MEMBERS.
- END LAPS SHALL NOT BE LESS THAN 3 INCH AND SHALL OCCUR OVER SUPPORTING MEMBERS. TOP AND BOTTOM DECK SHEETS SHALL BE FASTENED TO EACH OTHER AS WELL AS THE SUPPORTING MEMBER.
- PROVIDE 20 GAGE COVER PLATES AT LOCATIONS WHERE DECK SPAN CHANGES DIRECTION, BREAKS IN DECK OR DISCONTINUITY (PEAKS, VALLEYS, HIPS, ETC).
- PROVIDE 14 GAGE LEVEL SUMP PANS AT ALL ROOF DRAINS ALONG WITH L3X3X5/16 ANGLE FRAME. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND QUANTITIES. CONTRACTOR TO COORDINATE FRAME SIZE WITH MANUFACTURER'S CUT SHEETS PRIOR TO ANY FABRICATION.
- DO NOT HANG OR ATTACH DUCTWORK, CONDUIT, PIPING, EQUIPMENT, ETC. FROM METAL DECK.

COMPOSITE STEEL DECK

- ALL STEEL COMPOSITE/FORM DECK SHALL BE THE THICKNESS AND GAGE SHOWN ON THE DRAWINGS.
- ALL METAL COMPOSITE DECK SHALL BE GALVANIZED STEEL CONFORMING TO ASTM A653 WITH A MINIMUM COATING OF G60 (Z180) AND A MINIMUM YIELD STRENGTH OF 33KSI.
- UNLESS A MORE STRINGENT ANCHORAGE SYSTEM IS SPECIFIED ON THE DRAWINGS, ALL DECKING (AT A MINIMUM) SHALL BE CONTINUOUS OVER AT LEAST ONE SUPPORT AND BE FASTENED TO ALL SUPPORTS WITH A MINIMUM OF 5/8 INCH DIAMETER PUDDLE WELDS AT THE BOTTOM OF ALTERNATE RIBS SPACED AT 12 INCH ON CENTER. IN ADDITION, DECK PANELS SHALL BE FASTENED TOGETHER AT SIDE LAP JOINTS USING (1) #10 SELF-TAPPING SCREWS) AT MIDSPAN BETWEEN SUPPORTING MEMBERS OR AT 36 INCH INTERVALS, WHICHEVER IS SMALLER.
- ALL DECK SHALL BEAR A MINIMUM OF 1-1/2 INCH ON SUPPORTING MEMBERS.
- ROOF AND FORM DECK SHALL BE LAPPED OVER SUPPORTS UNLESS OTHERWISE DETAILED ON THE DRAWINGS.
- COMPOSITE FLOOR DECK SHEETS SHALL BE BUTTED OVER SUPPORTS UNLESS OTHERWISE DETAILED ON THE DRAWINGS.
- PROVIDE ALL POUR STOPS, CLOSURE PLATES AT COLUMNS AND ANY OTHER ACCESSORY PIECES TO COMPLETE THE CONTAINMENT OF THE WET CONCRETE.
- WHERE DECK CHANGES IN DIRECTION, PROVIDE A 20 GA. COVER PLATE TO SPAN THE OPENING BETWEEN THE DECKS.

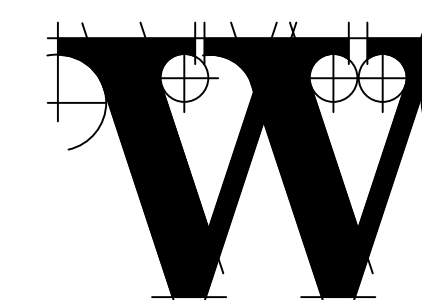
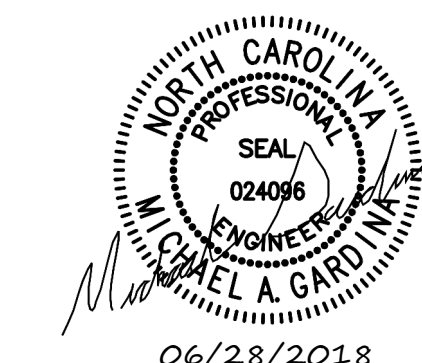
ADHESIVE AND MECHANICAL POST-INSTALLED ANCHORS

- ANCHOR BOLTS, REINFORCING STEEL, THREADED RODS, STAIR HANDRAILS, AND OTHER EMBEDDED STEEL ITEMS SHALL BE SET INTO HARDENED CONCRETE WITH ADHESIVE OR MECHANICAL POST-INSTALLED ANCHOR ONLY WHERE DETAILED ON THE DRAWINGS OR WHERE APPROVED BY THE ENGINEER.
- PRE-APPROVED MANUFACTURERS ARE HILTI, SIMPSON STRONG-TIE, AND DEWALT. WHERE DETAILS INDICATE SPECIFIC ADHESIVE OR MECHANICAL POST-INSTALLED ANCHORS, IT IS ACCEPTABLE AT THE CONTRACTOR'S OPTION TO SUBMIT AN ALTERNATE SIMILAR PRODUCT PROVIDED BY A DIFFERENT MANUFACTURER AS LONG AS THE MANUFACTURER'S DATA PROVIDES EQUIVALENT LOAD CAPACITY TO THE ANCHOR SPECIFIED.
- MANUFACTURER'S DATA FOR ALL ADHESIVE AND MECHANICAL POST-INSTALLED ANCHORS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. SUBMITTALS FOR ADHESIVE ANCHOR PRODUCTS SHALL INCLUDE ICC-ES EVALUATION REPORTS. STRICTLY FOLLOW THE MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS. HEED ALL LABEL WARNINGS. INSTALL IN ACCORDANCE WITH APPLICABLE SAFETY LAWS.
- ALL HOLES SHALL BE DRILLED WITH A DIAMETER NO LARGER THAN 1/8" GREATER THAN THE DIAMETER OF THE STEEL MEMBER BEING INSTALLED.
- ALL HOLES SHALL BE CLEANED WITH COMPRESSED AIR AND SHALL BE DRY PRIOR TO INSTALLATION OF ADHESIVE. HOLES SHALL BE FREE OF ALL DELETERIOUS MATERIAL SUCH AS LAITANCE, DUST, DIRT, AND OIL.
- CONTRACTOR PERFORMING ADHESIVE WORK SHALL BE AN APPROVED CONTRACTOR BY THE MANUFACTURER FURNISHING THE ADHESIVE MATERIALS, AND SHALL HAVE NO LESS THAN FIVE YEARS EXPERIENCE IN THE VARIOUS TYPES OF ADHESIVE RELATED WORK REQUIRED IN THIS PROJECT. A CERTIFICATION FROM THE MANUFACTURER ATTESTING TO THE TRAINING SHALL BE SUBMITTED TO THE ENGINEER/ARCHITECT ALONG WITH THE PROPOSAL TO DO THE WORK.
- WHERE ADHESIVE ANCHORS ARE TO BE INSTALLED IN HOLLOW MATERIAL WITH UNKNOWN CAPACITY, THE CONTRACTOR SHALL INSTALL THE ANCHOR IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- THE ADHESIVE SHALL BE INSTALLED IN THE HOLLOW BASE MATERIAL USING SCREEN TUBES SUPPLIED BY THE MANUFACTURER. THE ADHESIVE SHALL BE CAPABLE OF SUSTAINING MINIMUM TENSION AND SHEAR LOAD CAPACITIES NOTED ON THE DRAWINGS MULTIPLIED BY A FACTOR OF 4.
- ALL HARDWARE AND MATERIAL SHALL BE SUPPLIED BY THE ANCHOR MANUFACTURER.
- THE ULTIMATE TENSION AND SHEAR CAPACITIES SHALL BE DETERMINED BY A JOB SITE TEST PERFORMED ON A MINIMUM OF FIVE INSTALLED SAMPLES WHICH ARE REPRESENTATIVE OF THE ACTUAL INSTALLATIONS. TESTING SHALL BE PERFORMED BY THE ADHESIVE ANCHOR MANUFACTURER OR HIS APPROVED REPRESENTATIVE AND SHALL BE DOCUMENTED FOR THE DESIGN PROFESSIONAL.



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

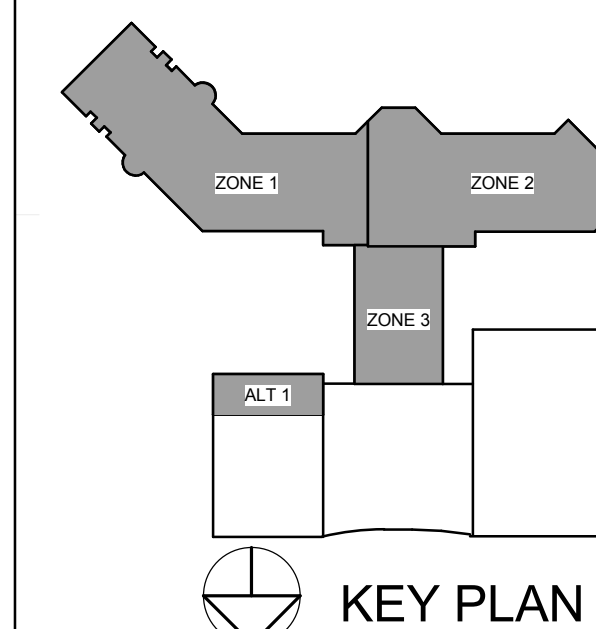
FP/PM/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM



COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND
DOCUMENTATION MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT WRITTEN PERMISSION
FROM THE WILSON GROUP ARCHITECTS

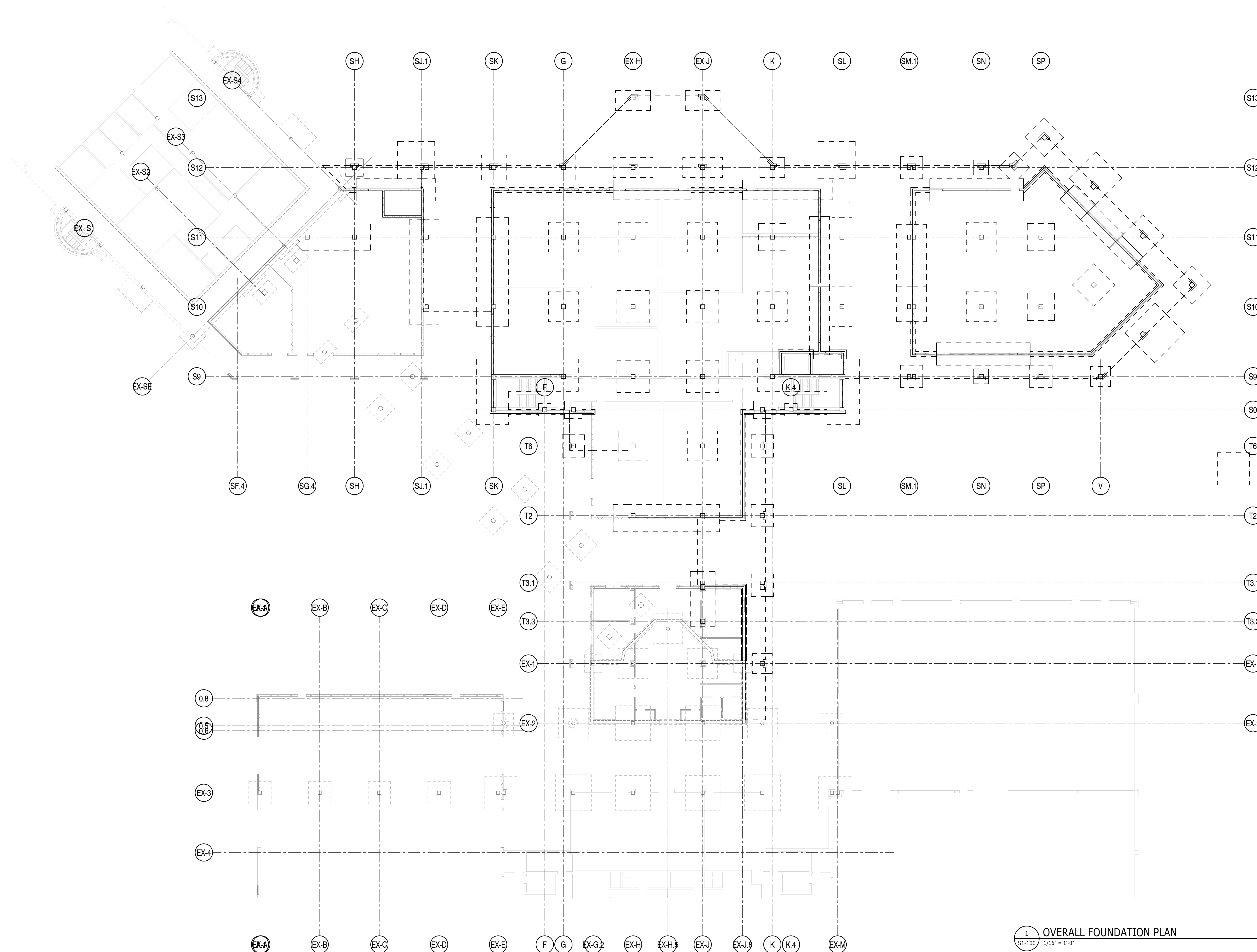
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

OVERALL FOUNDATION PLAN SCHEDULE 1

SHEET NUMBER

S1-100

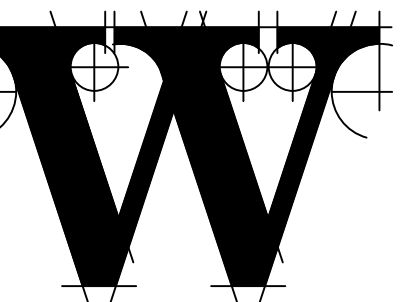


1 OVERALL FOUNDATION PLAN
S1-100 1/16" = 1'-0"



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FP/PIPE ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

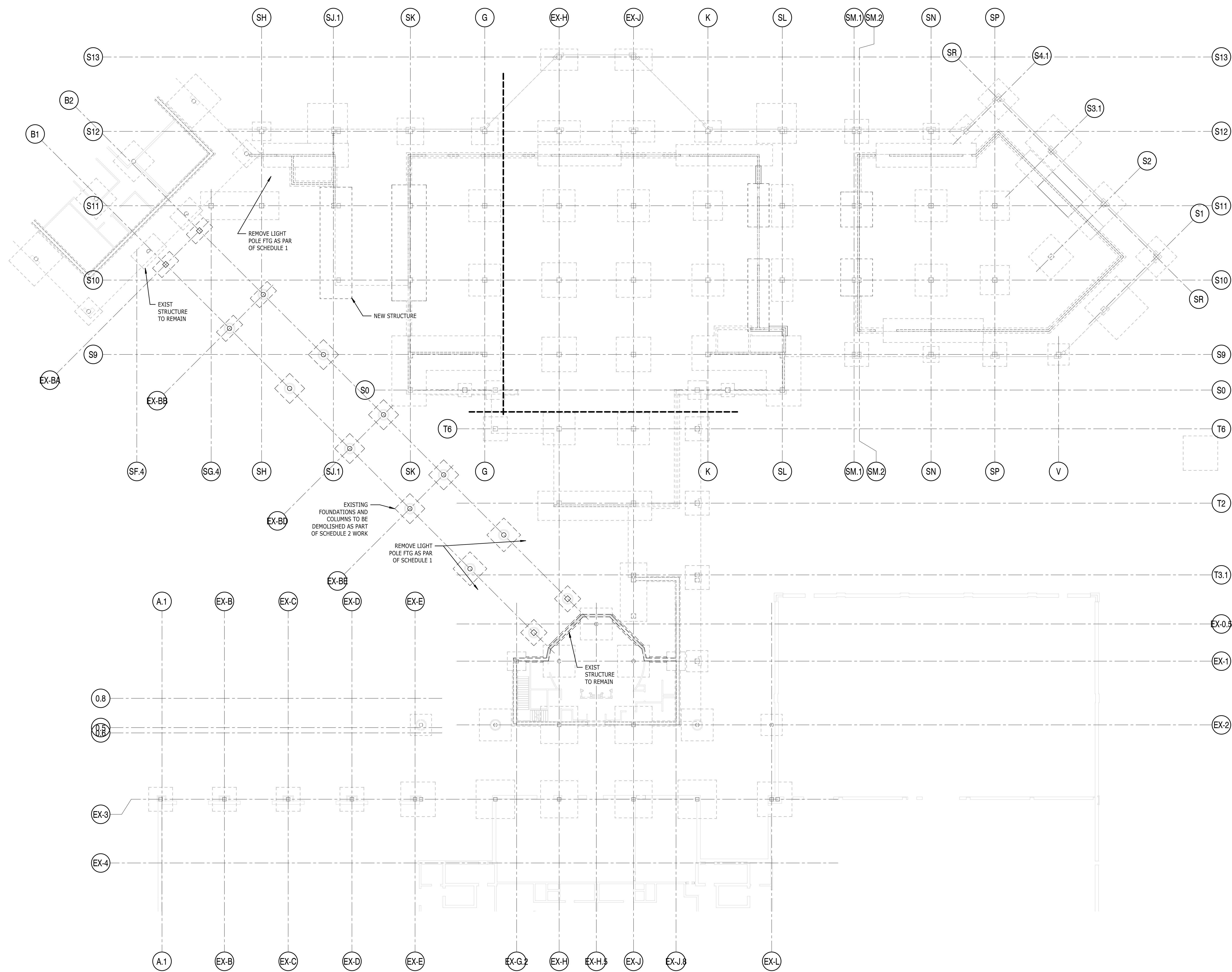
PRINTED OR ELECTRONIC DRAWINGS AND
DOCUMENTATION MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT WRITTEN PERMISSION
FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

FOUNDATION DEMOLITION PLAN

SHEET NUMBER
S1-100D

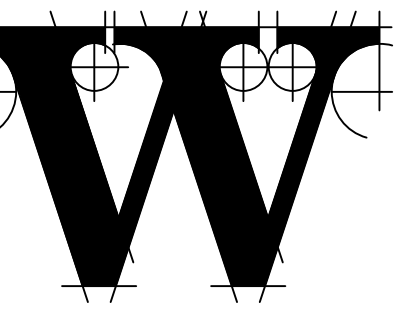


1 FOUNDATION DEMO PLAN
S1-100D 1/16" = 1'-0"



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FP/PM/E ENGINEER
CHEATHAM & ASSOC.

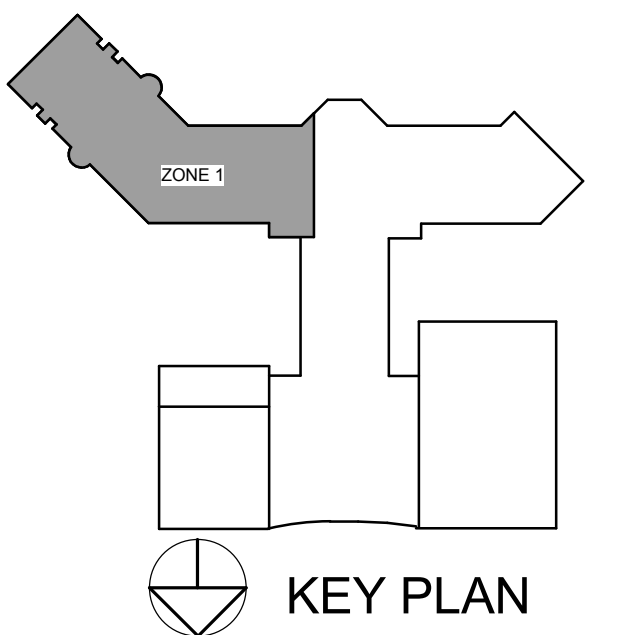
BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

SINGAGE & WAYFINDING
TAKEFORM



COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

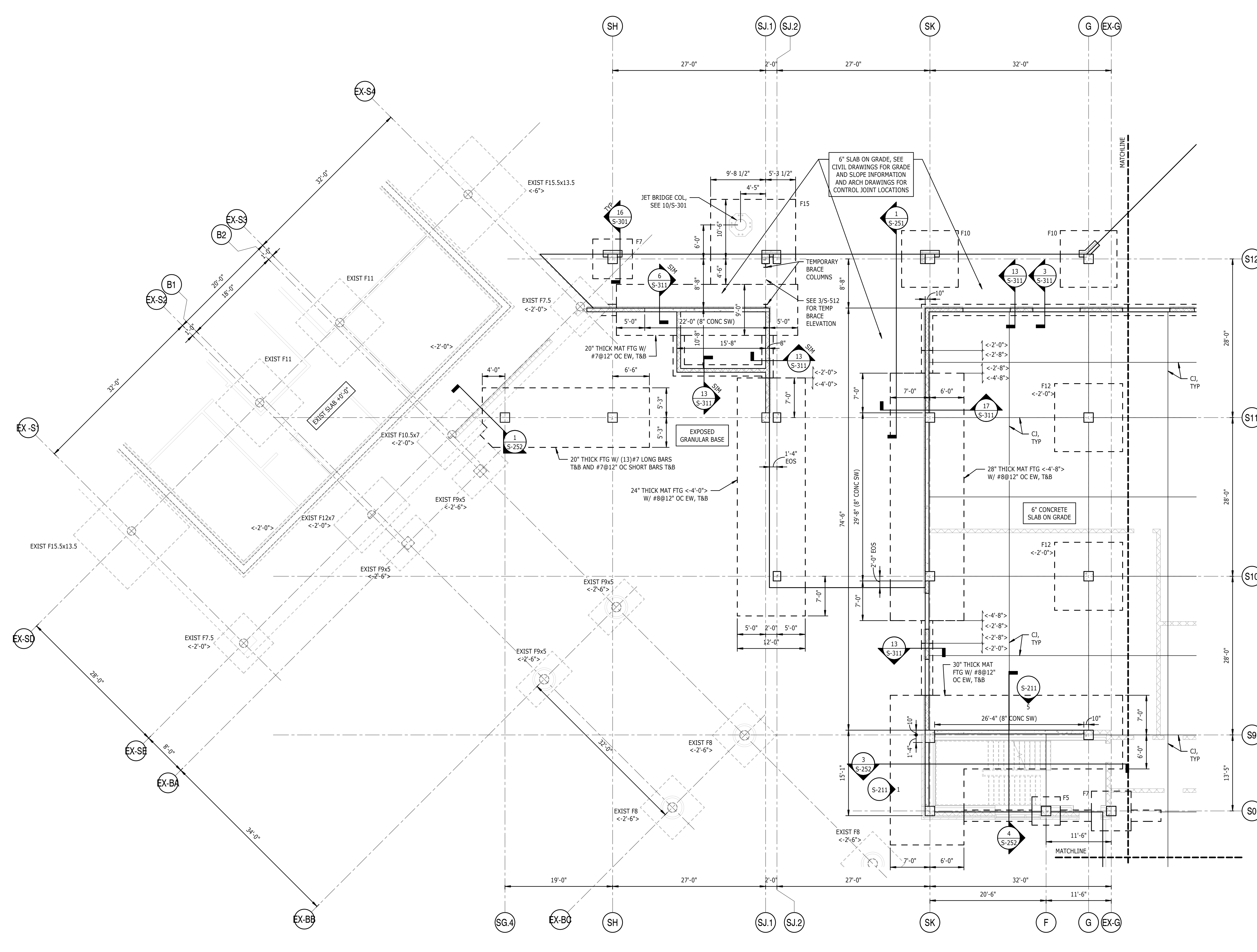
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

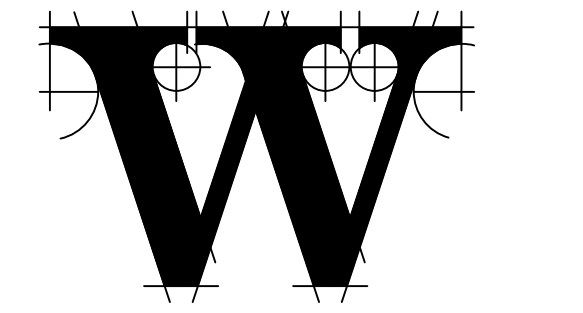
PARTIAL FOUNDATION PLAN SCHEDULE 1 ZONE 1

SHEET NUMBER
S1-101



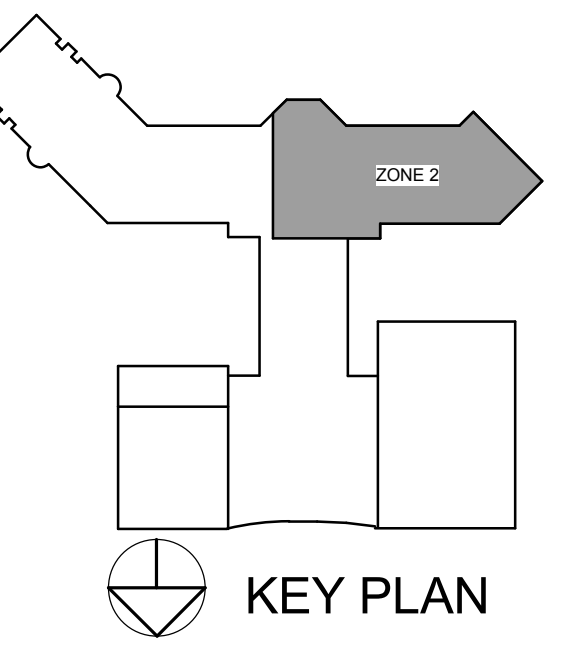
1 FOUNDATION PLAN SCHEDULE 1 ZONE 1
S1-101 1/8" = 1'-0"

- NOTES:
1. FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001.
 2. SEE CIVIL DRAWINGS FOR FINISHED FLOOR ELEVATION, UNO, REFERENCE ELEVATION 0'-0".
 3. [No] INDICATES DEPRESSED OR RAISED SLAB ELEVATION, SEE PLAN.
 4. TOP OF FOOTING 2'-0" BELOW FINISHED FLOOR ELEVATION, UNO. <No> INDICATES TOP OF FOOTING ELEVATION, SEE PLAN.
 5. [TYP] INDICATES STEP IN WALL FOOTING, SEE S/5-301.
 6. [F#] INDICATES FOOTING TYPE, SEE 7/S-301.
 7. FOR STEEL COLUMN SCHEDULE, SEE 1/S-501.
 8. FOR CONCRETE COLUMN SCHEDULE, SEE 1/S-323.
 9. [CONC SW] INDICATES CONCRETE SHEARWALL, SEE ____ FOR SCHEDULE.
 10. FOR TYPICAL SLAB CONSTRUCTION DETAILS, SEE 1/S-301.



THE WILSON GROUP
ARCHITECTS
PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT
CONSULTING ARCHITECT
LS3P
STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART
FP/PM/E ENGINEER
CHEATHAM & ASSOC.
BAGGAGE HANDLING CONSULTANTS
BNP
AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS
SPECIALTY LIGHTING CONSULTANT
HARTTRANSF
SINGAGE & WAYFINDING
TAKEFORM



COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

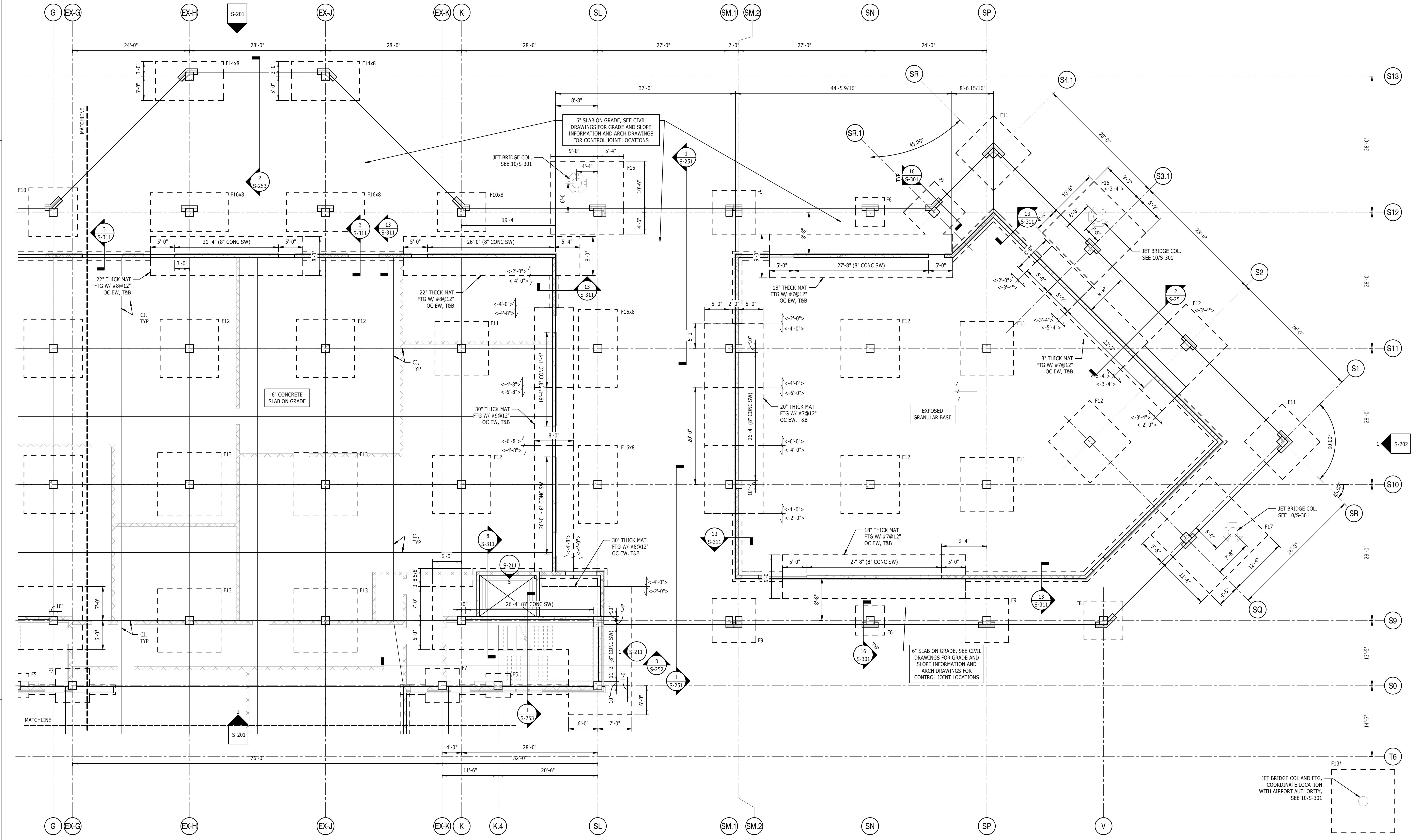
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

PARTIAL FOUNDATION PLAN SCHEDULE 1 ZONE 2

SHEET NUMBER
S1-102



1 FOUNDATION PLAN SCHEDULE 1 ZONE 2

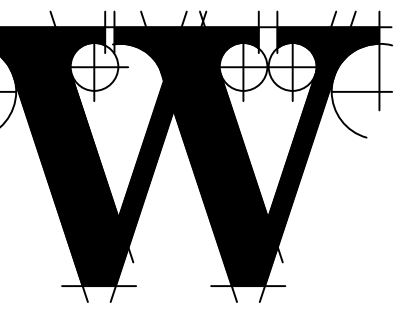
1/8" = 1'-0"

- NOTES:
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001.
 - SEE CIVIL DRAWINGS FOR FINISHED FLOOR ELEVATION, UNO. REFERENCE ELEVATION 0'-0".
 - [NG] INDICATES DEPRESSED OR RAISED SLAB ELEVATION, SEE PLAN.
 - TOP OF FOOTING 2'-0" BELOW FINISHED FLOOR ELEVATION, UNO.
 - INDICATES STEP IN WALL FOOTING, SEE 9/S-301.
 - "F#" INDICATES FOOTING TYPE, SEE 7/S-301.
 - FOR STEEL COLUMN SCHEDULE, SEE 1/S-301.
 - FOR CONCRETE COLUMN SCHEDULE, SEE 1/S-323.
 - "CONC SW" INDICATES CONCRETE SHEARWALL, SEE ___ FOR SCHEDULE.
 - FOR TYPICAL SLAB CONSTRUCTION DETAILS, SEE 1/S-301.



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

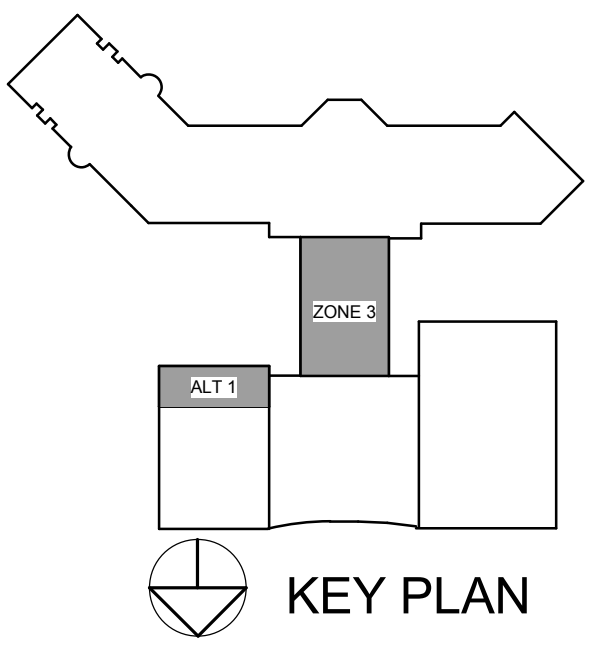
FPI/P/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM



COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

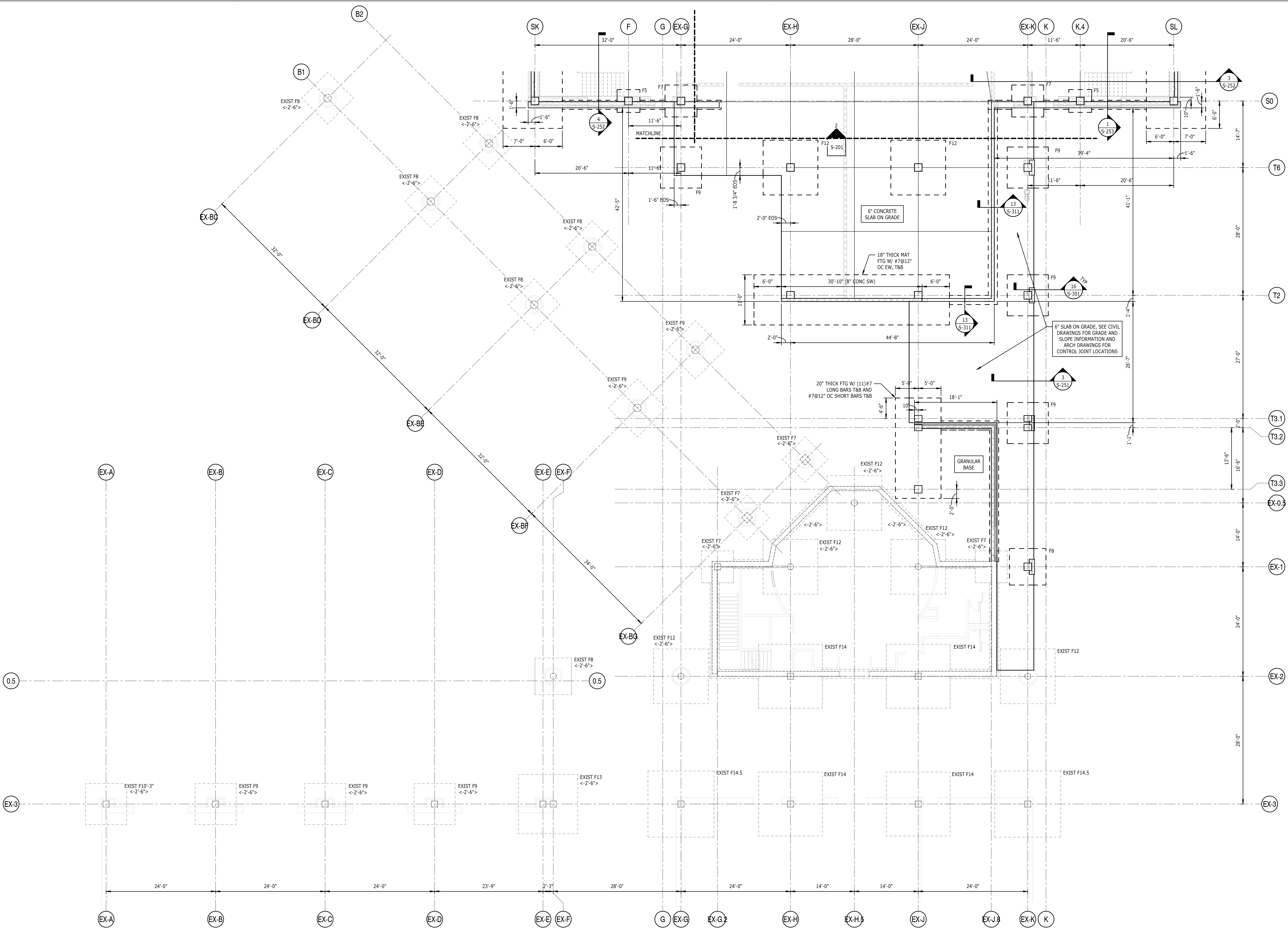
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

PARTIAL FOUNDATION PLAN SCHEDULE 1 ZONE 3

SHEET NUMBER

S1-103



1 FOUNDATION PLAN SCHEDULE 1 ZONE 3

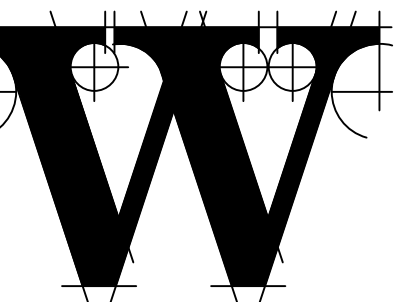
S1-103

- NOTES:
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001.
 - SEE CIVIL DRAWINGS FOR FINISHED FLOOR ELEVATION, UNO, REFERENCE ELEVATION 0'-0".
 - [NO] INDICATES DEPRESSED OR RAISED SLAB ELEVATION, SEE PLAN.
 - TOP OF FOOTING 2'-0" BELOW FINISHED FLOOR ELEVATION, UNO. <No> INDICATES TOP OF FOOTING ELEVATION, SEE PLAN.
 - ↑↑ INDICATES STEP IN WALL FOOTING, SEE 9/S-301.
 - *F#* INDICATES FOOTING TYPE, SEE 7/S-301.
 - FOR STEEL COLUMN SCHEDULE, SEE 1/S-501.
 - FOR CONCRETE COLUMN SCHEDULE, SEE 1/S-323.
 - *CONC SW* INDICATES CONCRETE SHEARWALL, SEE FOR SCHEDULE.
 - FOR TYPICAL SLAB CONSTRUCTION DETAILS, SEE 1/S-301.



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

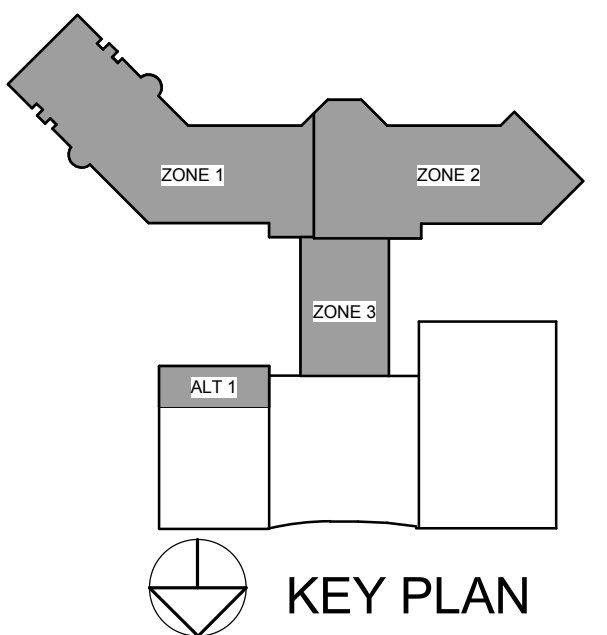
FP/PM/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM



COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

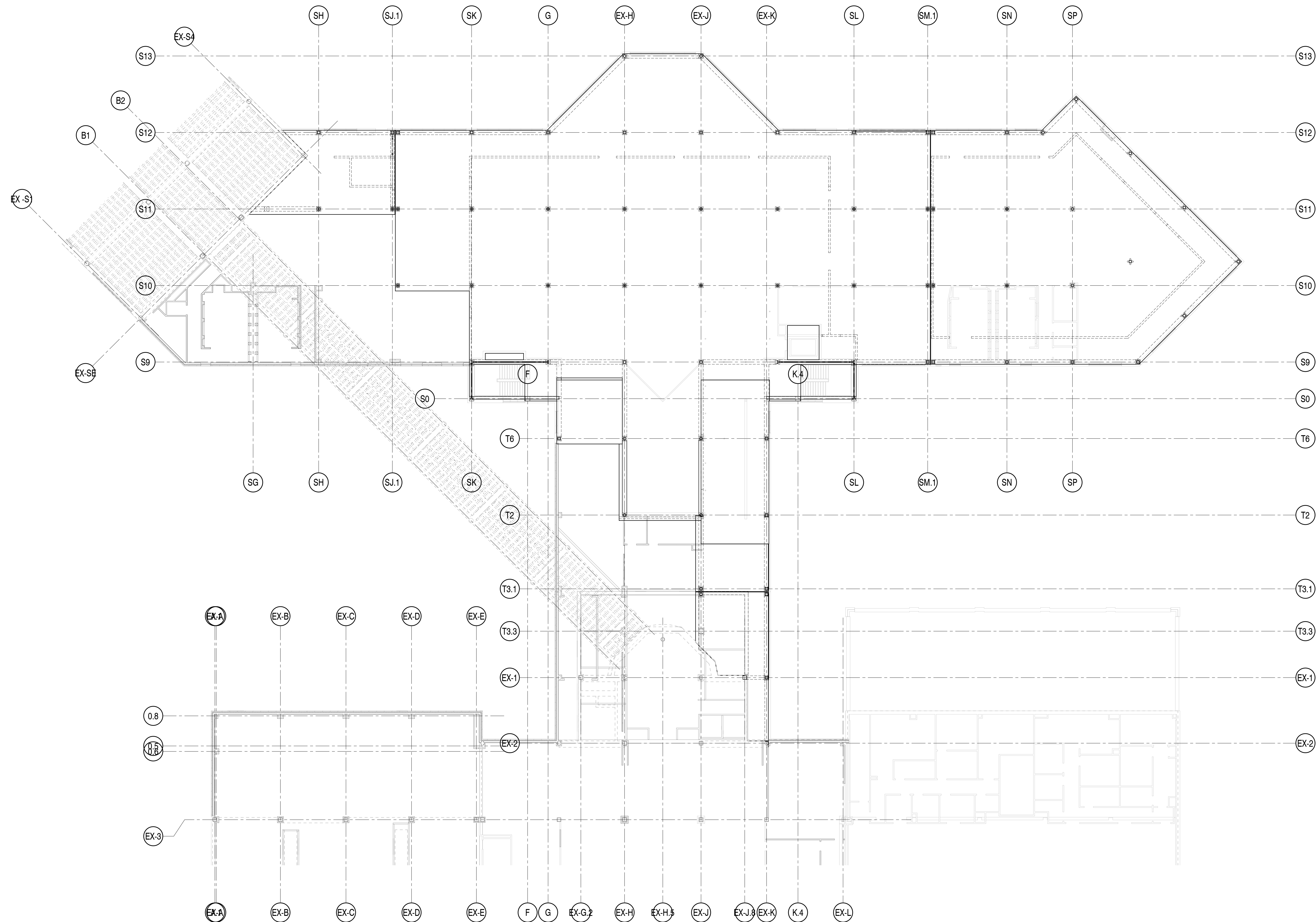
PRINTED OR ELECTRONIC DRAWINGS AND
DOCUMENTATION MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT WRITTEN PERMISSION
FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

OVERALL LEVEL 2 FRAMING PLAN SCHEDULE 1

SHEET NUMBER
S1-120

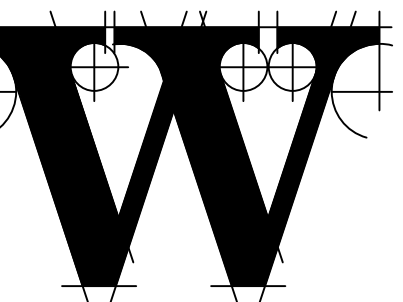


1 OVERALL BOARDING LEVEL FRAMING PLAN
S1-120 1/16" = 1'-0"



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FP/PM/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

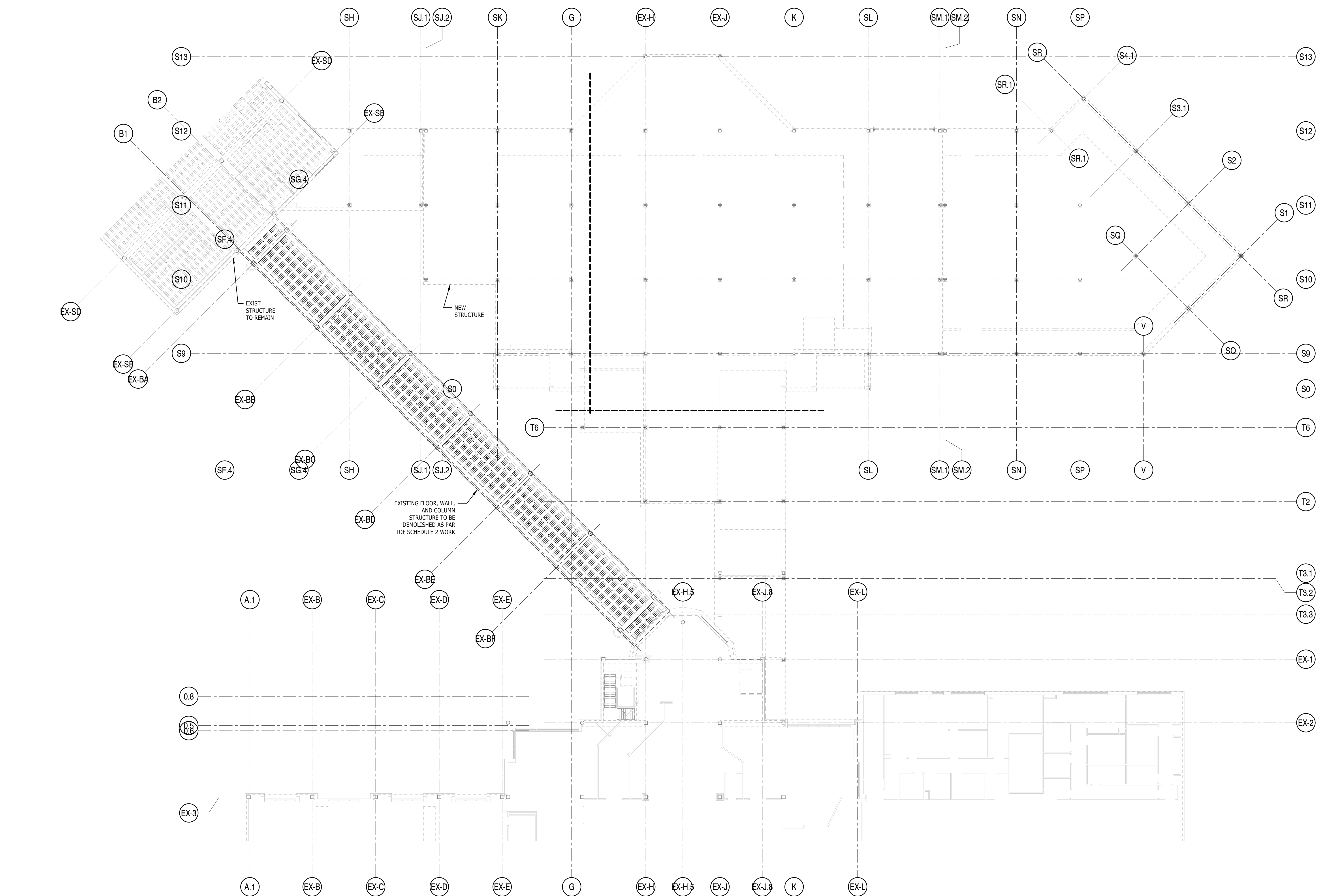
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

FLOOR LEVEL DEMOLITION PLAN

SHEET NUMBER
S1-120D

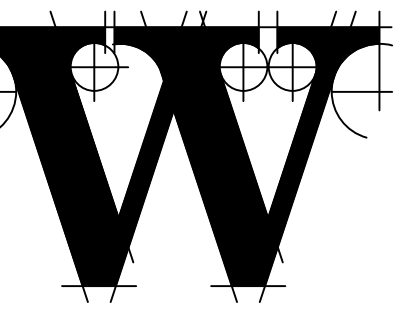


1 LEVEL 2 DEMO PLAN
S1-120D 1/16" = 1'-0"



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport 1740 Airport Boulevard, Suite 12 Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS PO Box 5510 Charlotte, NC 28299 704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER TALBERT & BRIGHT CONSULTING ARCHITECT LS3P

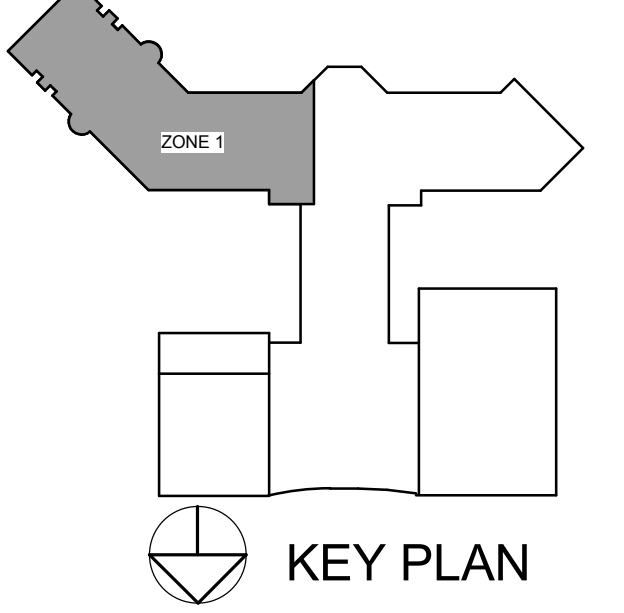
STRUCTURAL ENGINEER FIRM LICENSE #C-1051 STEWART

FPI/PME ENGINEER CHEATHAM & ASSOC. BAGGAGE HANDLING CONSULTANTS BNP

AIRCRAFT SUPPORT SYSTEMS DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT HARTRANFT

SINGAGE & WAYFINDING TAKEFORM



COPYRIGHT © 2019 THE WILSON GROUP ARCHITECTS ALL RIGHTS RESERVED

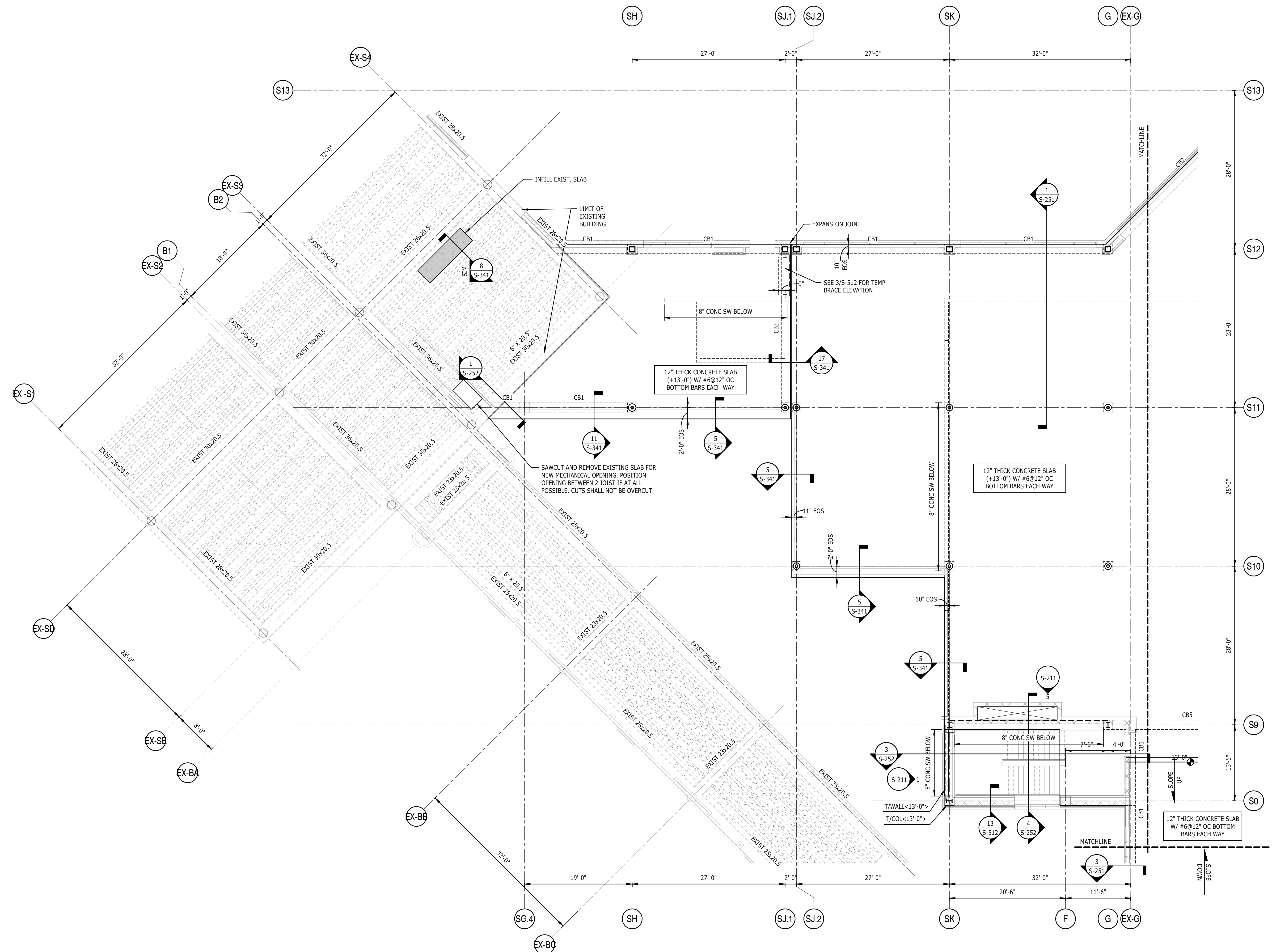
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019 PROJECT NUMBER 9202-000 SHEET TITLE

PARTIAL BOARDING LEVEL FRAMING PLAN SCHEDULE 1 ZONE 1

SHEET NUMBER S1-121



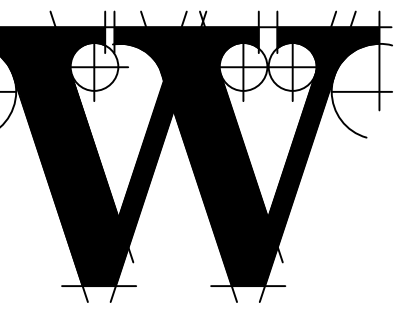
1 BOARDING LEVEL FRAMING PLAN SCHEDULE 1 ZONE 1

- 1/8" = 1'-0" NOTES: 1. FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001. 2. SEE PLAN FOR FINISHED FLOOR ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO. 3. FOR TYPICAL SLAB CONSTRUCTION DETAILS, SEE S-320 SERIES OF DRAWINGS. 4. FOR STEEL COLUMN SCHEDULE, SEE 1/S-501. 5. FOR CONCRETE COLUMN SCHEDULE, SEE 1/S-323. 6. "CONC SW" INDICATES CONCRETE SHEARWALL, SEE S-321 FOR SCHEDULE. 7. "CB#" INDICATES CONCRETE BEAM TYPE, SEE 12/S-321. 8. "S1" INDICATES STEEL DECK SPAN DIRECTION. CONSTRUCTION SHALL BE 3 1/4" LIGHT WEIGHT CONCRETE ON 2"-20GA COMPOSITE STEEL DECK. TOTAL THICKNESS = 5 1/4". SEE TYPICAL SLAB CONSTRUCTION DETAILS ON S-511. 9. "A=4" INDICATES FACTORED AXIAL FORCE IN COLLECTOR BEAM TO BE USED IN CONNECTION DESIGN. 10. "T/WALL" INDICATES TOP OF WALL ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO. 11. "T/COL" INDICATES TOP OF COLUMN ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO. 12. "*" INDICATES TOP OF SLAB ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO. 13. B/BEAM = BOTTOM OF BEAM ELEVATION ABOVE REFERENCE FINISH FLOOR ELEVATION.



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT
CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

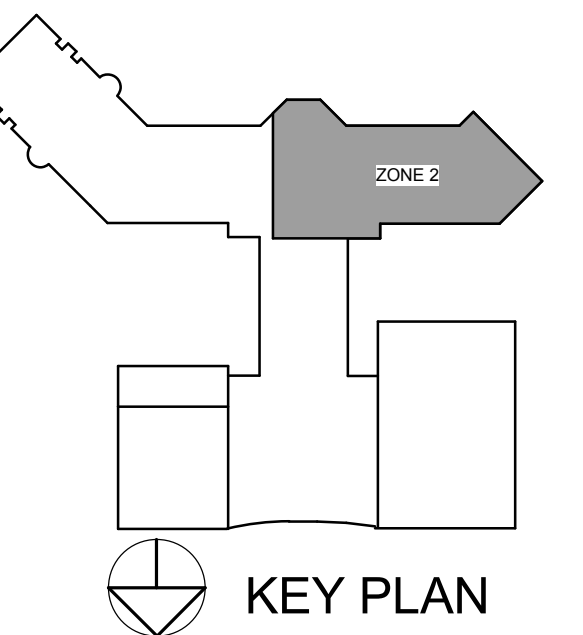
FP/PM/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM



COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

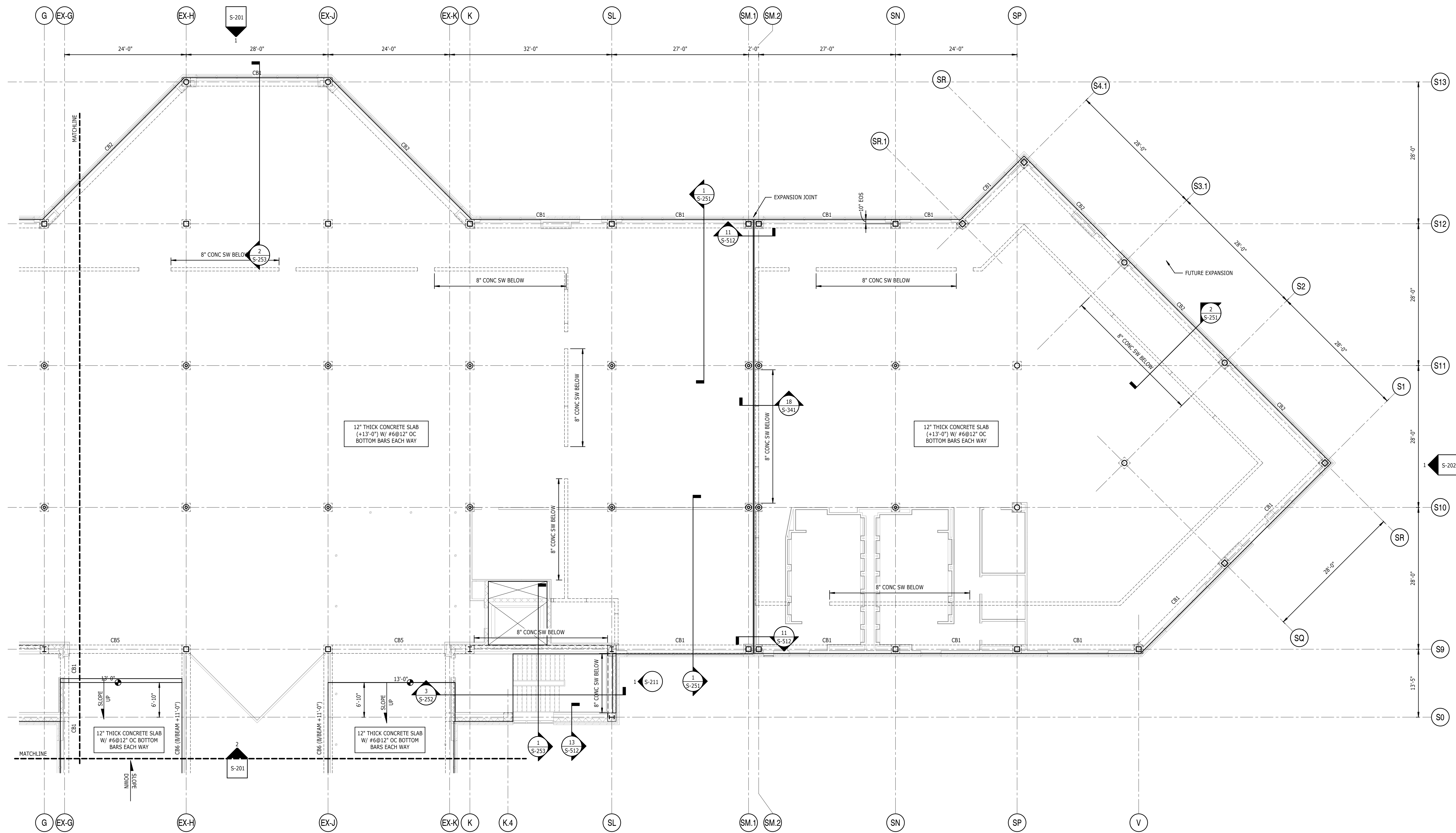
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

PARTIAL BOARDING LEVEL FRAMING PLAN SCHEDULE 1 ZONE 2

SHEET NUMBER
S1-122



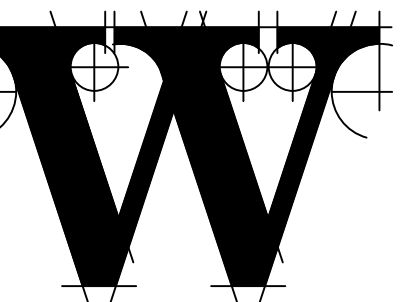
1 BOARDING LEVEL FRAMING PLAN SCHEDULE 1 ZONE 2

- 1/8" = 1'-0"
NOTES:
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001.
 - SEE PLAN FOR FINISHED FLOOR ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - FOR TYPICAL SLAB CONSTRUCTION DETAILS, SEE S-220 SERIES OF DRAWINGS.
 - FOR STEEL COLUMN SCHEDULE, SEE 1/S-501.
 - FOR CONCRETE COLUMN SCHEDULE, SEE 1/S-323.
 - "CONC SW" INDICATES CONCRETE SHEARWALL, SEE S-321 FOR SCHEDULE.
 - "CB#" INDICATES CONCRETE BEAM TYPE, SEE 1/S-321.
 - "S1" INDICATES STEEL DECK SPAN DIRECTION, CONSTRUCTION SHALL BE 3 1/4" LIGHT WEIGHT CONCRETE ON 2'-20GA COMPOSITE STEEL DECK, TOTAL THICKNESS = 5 1/4". SEE TYPICAL SLAB CONSTRUCTION DETAILS ON S-511.
 - "A=#K" INDICATES FACTORED AXIAL FORCE IN COLLECTOR BEAM TO BE USED IN CONNECTION DESIGN.
 - "TWALL" INDICATES TOP OF WALL ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - "T/COL" INDICATES TOP OF COLUMN ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - "•" INDICATES TOP OF SLAB ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - B/BEAM = BOTTOM OF BEAM ELEVATION ABOVE REFERENCE FINISH FLOOR ELEVATION.



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT

CONSULTING ARCHITECT

LS3P

STRUCTURAL ENGINEER

FIRM LICENSE #C-1051

STEWART

FP/PM/E ENGINEER

CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS

BNP

AIRCRAFT SUPPORT SYSTEMS

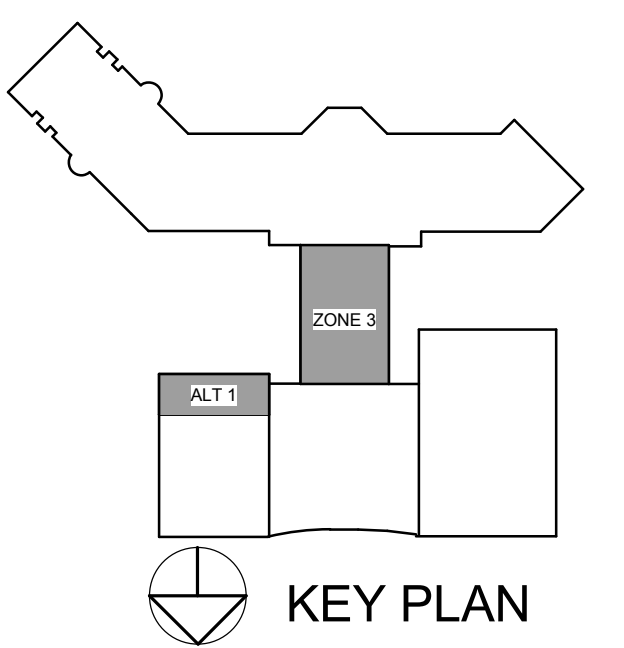
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT

HARTRANFT

SINGAGE & WAYFINDING

TAKEFORM



COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

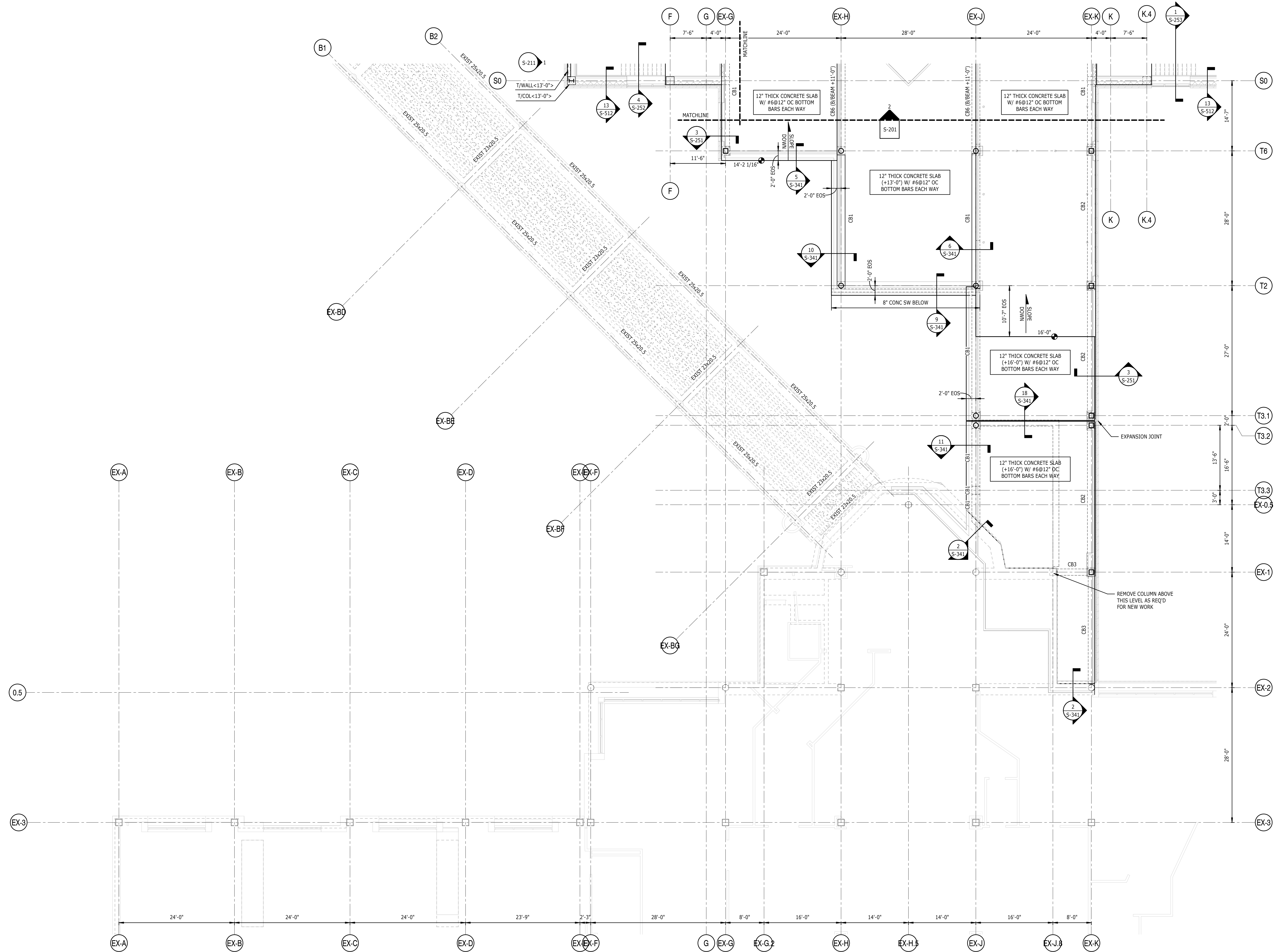
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

PARTIAL BOARDING LEVEL FRAMING PLAN SCHEDULE 1 ZONE 3

SHEET NUMBER

S1-123



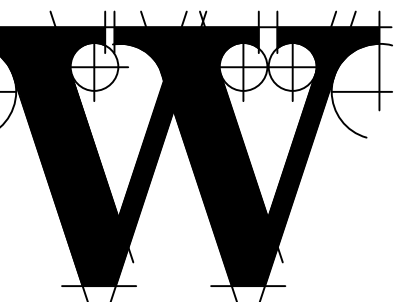
1 BOARDING LEVEL FRAMING PLAN SCHEDULE 1 ZONE 3

- 1/8" = 1'-0"
- NOTES:
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001.
 - SEE PLAN FOR FINISHED FLOOR ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - FOR TYPICAL SLAB CONSTRUCTION DETAILS, SEE S-320 SERIES OF DRAWINGS.
 - FOR STEEL COLUMN SCHEDULE, SEE 1/S-501.
 - FOR CONCRETE COLUMN SCHEDULE, SEE 1/S-323.
 - "CONC SW" INDICATES CONCRETE SHEARWALL, SEE S-321 FOR SCHEDULE.
 - "CB#*" INDICATES CONCRETE BEAM TYPE, SEE 1/S-321.
 - "S1" INDICATES STEEL DECK SPAN DIRECTION, CONSTRUCTION SHALL BE 3 1/4" LIGHT WEIGHT CONCRETE ON 2"-20GA COMPOSITE STEEL DECK, TOTAL THICKNESS = 5 1/4". SEE TYPICAL SLAB CONSTRUCTION DETAILS ON S-511.
 - "A#-#*" INDICATES FACTORED AXIAL FORCE IN COLLECTOR BEAM TO BE USED IN CONNECTION DESIGN.
 - "T/WALL" INDICATES TOP OF WALL ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - "T/COL" INDICATES TOP OF COLUMN ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - "S" INDICATES TOP OF SLAB ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - "B/BEAM" INDICATES BOTTOM OF BEAM ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION.



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport 1740 Airport Boulevard, Suite 12 Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299 704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER TALBERT & BRIGHT

CONSULTING ARCHITECT LS3P

STRUCTURAL ENGINEER FIRM LICENSE #C-1051 STEWART

FPI/PME ENGINEER CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS BNP

AIRCRAFT SUPPORT SYSTEMS DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT HARTRANFT

SINGAGE & WAYFINDING TAKEFORM

COPYRIGHT © 2019 THE WILSON GROUP ARCHITECTS ALL RIGHTS RESERVED

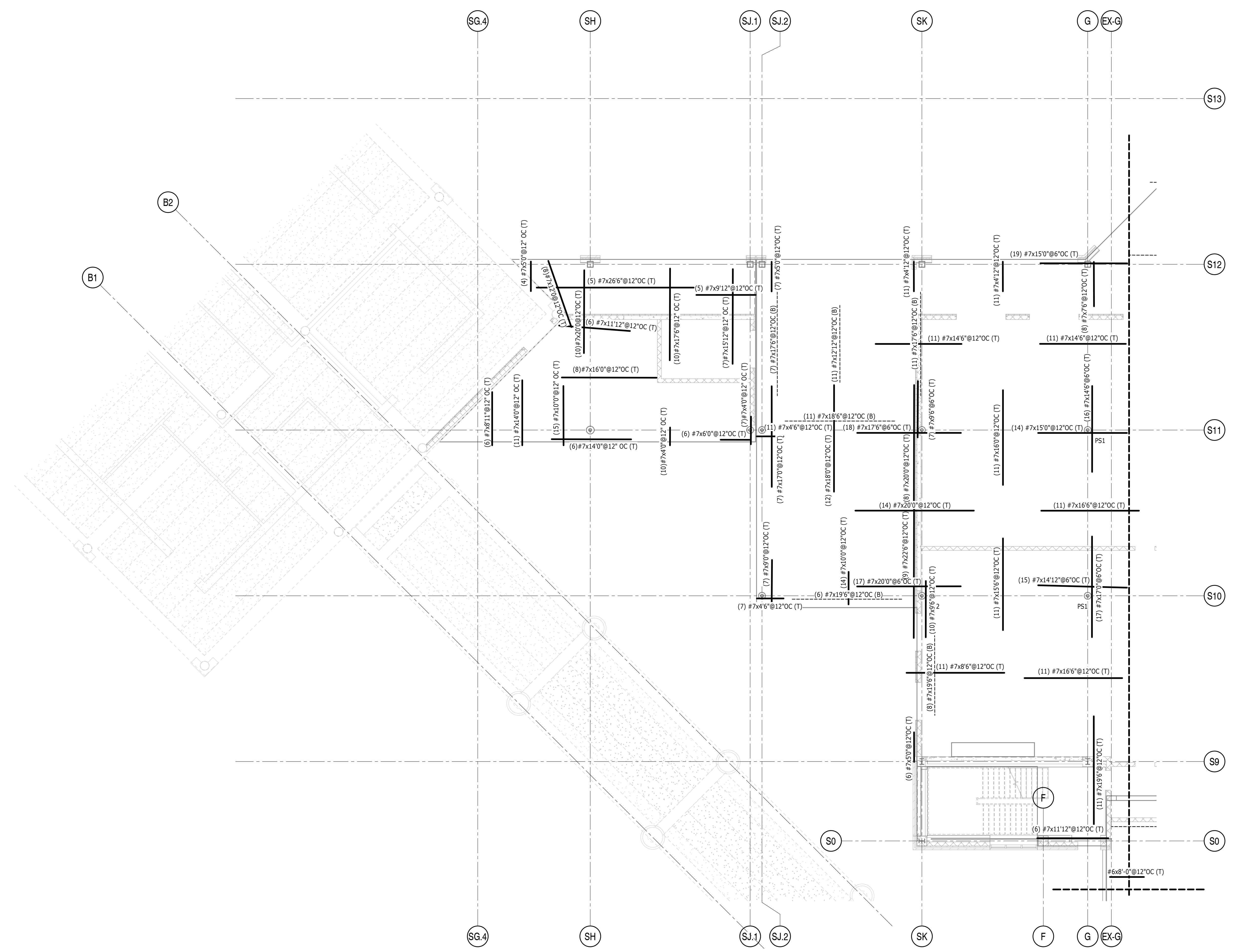
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019 PROJECT NUMBER 9202-000 SHEET TITLE

PARTIAL BOARDING LEVEL REBAR PLAN SCHEDULE 1 ZONE 1

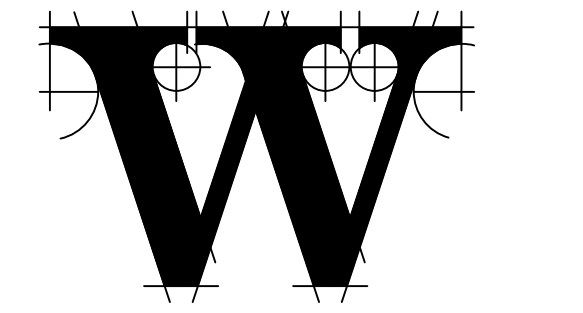
SHEET NUMBER S1-124



1 BOARDING LEVEL REBAR PLAN SCHEDULE 1 ZONE 1

S1-124 1/8" = 1'-0"

- REBAR PLAN NOTES: 1. FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001 AND S-002. 2. FINISH FLOOR ELEVATION +13'-0" ABOVE REFERENCE FINISH FLOOR ELEVATION, UNLESS NOTED OTHERWISE. 3. CONCRETE ELEVATED SLABS SHALL BE TWO-WAY FLAT PLATE CONCRETE SLAB. SEE PLAN FOR SLAB THICKNESS. TOP OF SLAB SHALL BE SLOPED WHERE NOTED ON ARCHITECTURAL DRAWINGS. 4. ALL OPENINGS IN CONCRETE SLAB MUST BE LOCATED AND BLOCKED OUT PRIOR TO CONCRETE BEING PLACED. NO CORE DRILLING IS PERMITTED WITHOUT CONSENT OF THE ENGINEER OF RECORD. SEE 7/S-322 FOR REINFORCING AT OPENINGS. 5. "CONC SW" INDICATES CONCRETE SHEAR WALL. 6. SEE ARCHITECTURAL DRAWINGS FOR PRECISE EDGE OF SLAB DIMENSIONS. ARCHITECTURAL DRAWINGS GOVERN ALL DIMENSIONS. 7. SEE ARCHITECTURAL AND PLUMBING DRAWINGS FOR FLOOR DRAINS AND SLAB SLOPES. 8. "FS" INDICATES STUD RAILS. STUD RAILS ARE REQUIRED TO BEGIN AT FACE OF COLUMN, SEE 7/S-321. 9. PROVIDE ADDITIONAL STEEL AT ALL RE-ENTRAINED CORNERS PER DETAIL 4/S-322. 10. "CB" INDICATES CONCRETE BEAM, SEE 6/S-321. 11. REINFORCING THAT TERMINATES AT THE INTERFACE BETWEEN SCHEDULE 1 AND SCHEDULE 2 SHALL HAVE THREADED COUPLERS AT THE ENDS OF SCHEDULE 1 REINFORCING. SCHEDULE 2 REINFORCING SHALL BE THREADED TO CONNECT TO THE COUPLERS INSTALLED IN SCHEDULE 1. THIS IS TYPICAL AT THE SLAB AND BEAMS ALONG THIS JOINT.



THE WILSON GROUP
- ARCHITECTS -
PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT
CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FPP/IME ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

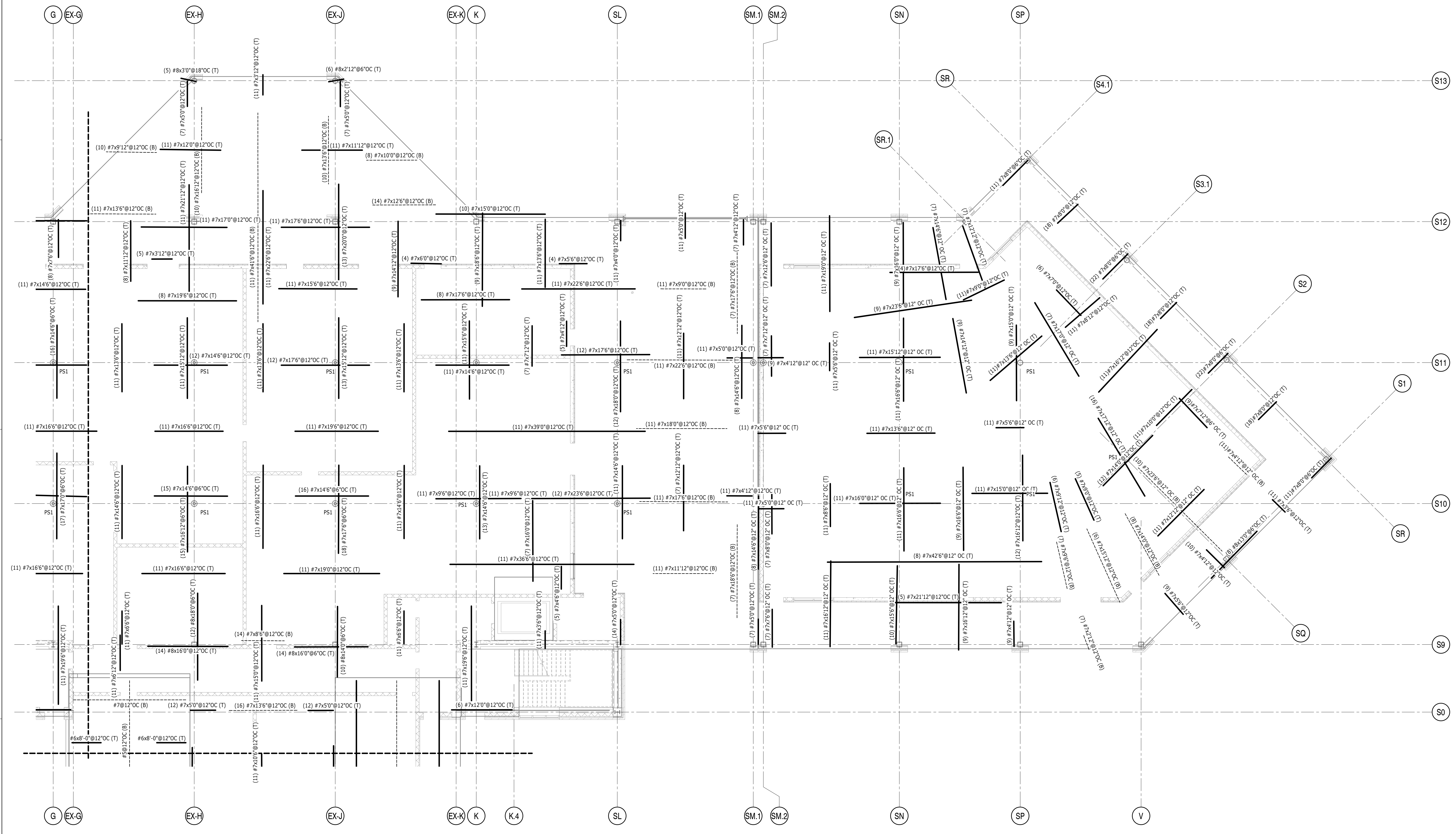
SPECIALTY LIGHTING CONSULTANT
HARTFRANT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS



1 BOARDING LEVEL REBAR PLAN SCHEDULE 1 ZONE 2
S1-125 1/8" = 1'-0"

- REBAR PLAN NOTES:**
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001 AND S-002.
 - FINISH FLOOR ELEVATION +13'-0" ABOVE REFERENCE FINISH FLOOR ELEVATION, UNLESS NOTED OTHERWISE.
 - CONCRETE ELEVATED SLABS SHALL BE TWO WAY FLAT PLATE CONCRETE SLAB. SEE PLAN FOR SLAB THICKNESS. TOP OF SLAB SHALL BE SLOPED WHERE NOTED ON ARCHITECTURAL DRAWINGS.
 - ALL OPENINGS IN CONCRETE SLAB MUST BE LOCATED AND BLOCKED OUT PRIOR TO CONCRETE BEING PLACED. NO CORE DRILLING IS PERMITTED WITHOUT CONSENT OF THE ENGINEER OF RECORD. SEE 7/S-322 FOR REINFORCING AT OPENINGS.
 - "CONC SW" INDICATES CONCRETE SHEAR WALL.
 - SEE ARCHITECTURAL DRAWINGS FOR PRECISE EDGE OF SLAB DIMENSIONS. ARCHITECTURAL DRAWINGS GOVERN ALL DIMENSIONS.
 - SEE ARCHITECTURAL AND PLUMBING DRAWINGS FOR FLOOR DRAINS AND SLAB SLOPES.
 - "PS" INDICATES STUD RAILS. STUD RAILS ARE REQUIRED TO BEGIN AT FACE OF COLUMN, SEE 7/S-321.
 - PROVIDE ADDITIONAL STEEL AT ALL RE-RESTRAINT CORNERS PER DETAIL 4/S-322.
 - "CB" INDICATES CONCRETE BEAM, SEE 6/S-321.
 - REINFORCING THAT TERMINATES AT THE INTERFACE BETWEEN SCHEDULE 1 AND SCHEDULE 2 SHALL HAVE THREADED COUPLERS AT THE ENDS OF SCHEDULE 1 REINFORCING. SCHEDULE 2 REINFORCING SHALL BE THREADED TO CONNECT TO THE COUPLERS INSTALLED IN SCHEDULE 1. THIS IS TYPICAL AT THE SLAB AND BEAMS ALONG THIS JOINT.

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

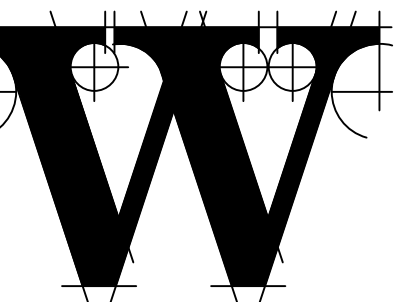
PARTIAL BOARDING LEVEL REBAR PLAN SCHEDULE 1 ZONE 2

SHEET NUMBER
S1-125



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

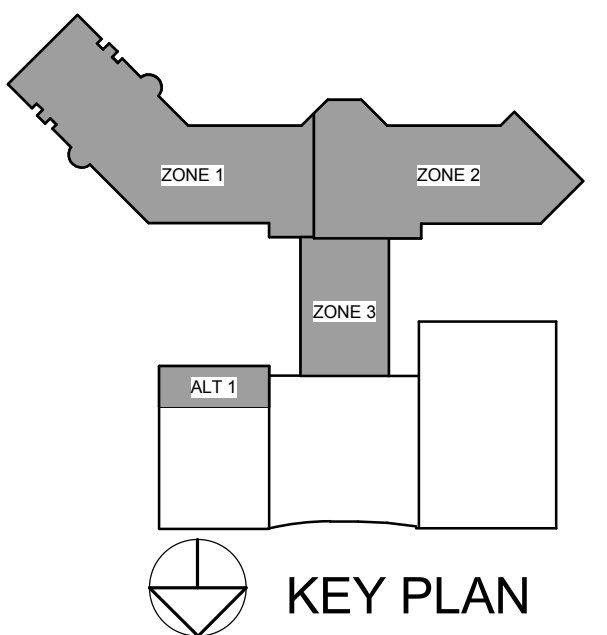
FPI/PIE ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM



COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

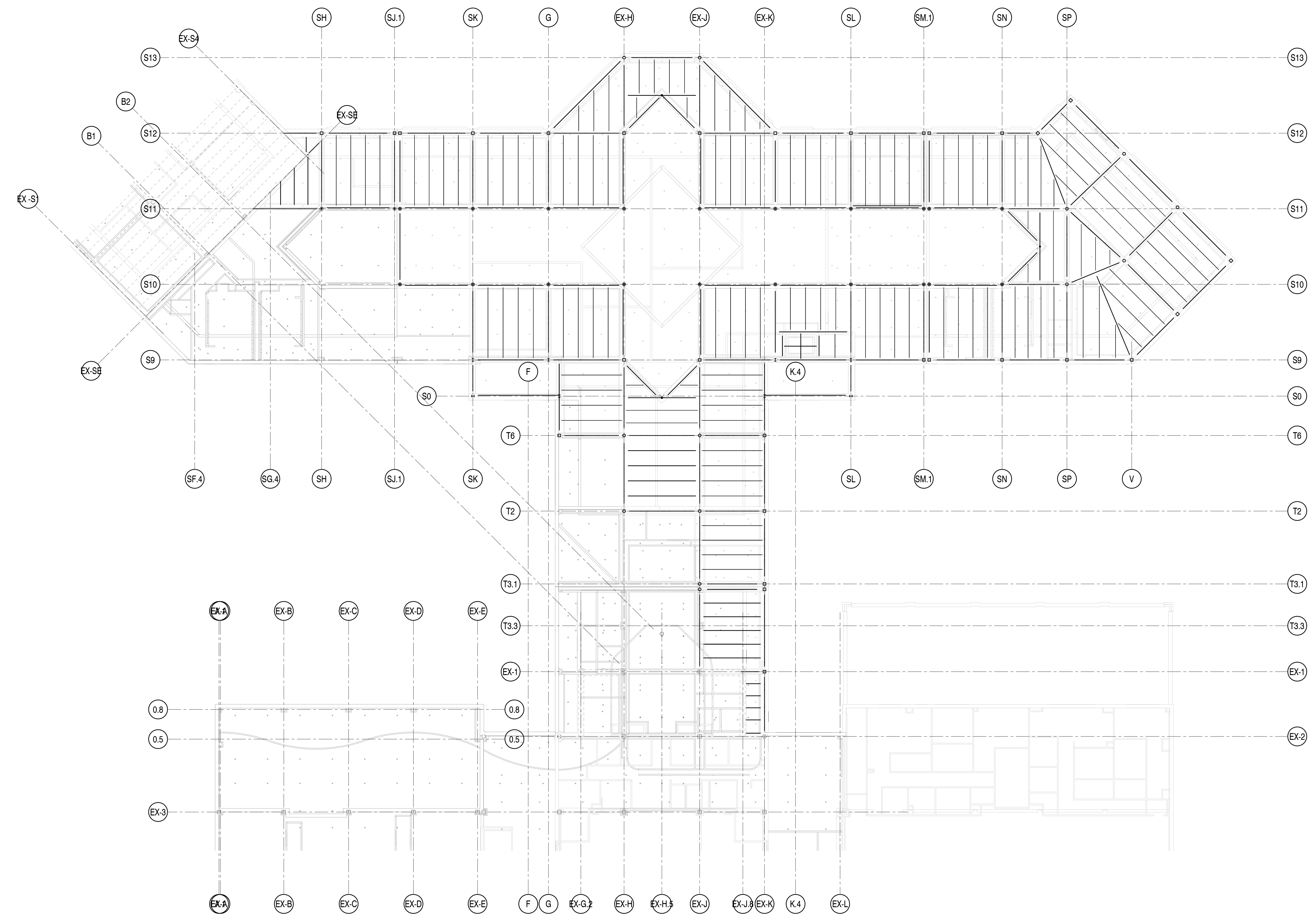
PRINTED OR ELECTRONIC DRAWINGS AND
DOCUMENTATION MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT WRITTEN PERMISSION
FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

OVERALL ROOF FRAMING PLAN SCHEDULE 1

SHEET NUMBER
S1-130

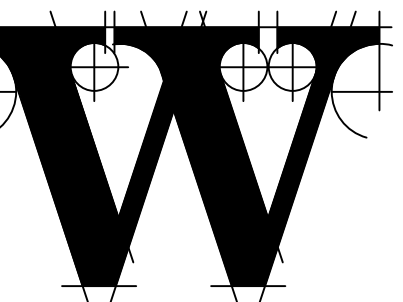


1 OVERALL ROOF FRAMING PLAN
S1-130 1/16" = 1'-0"



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FPI/PME ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND
DOCUMENTATION MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT WRITTEN PERMISSION
FROM THE WILSON GROUP ARCHITECTS

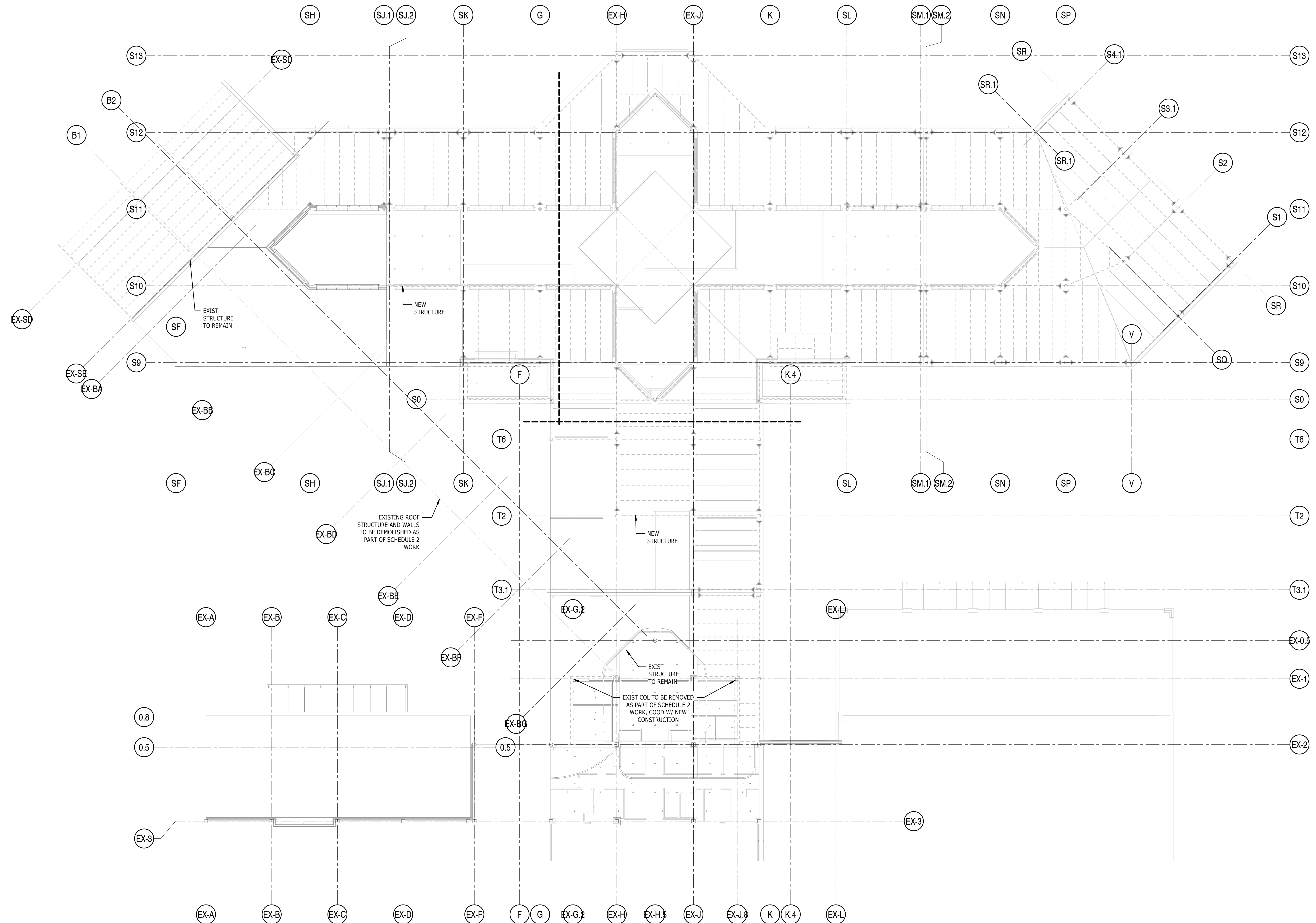
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

ROOF LEVEL DEMOLITION PLAN

SHEET NUMBER

S1-130D

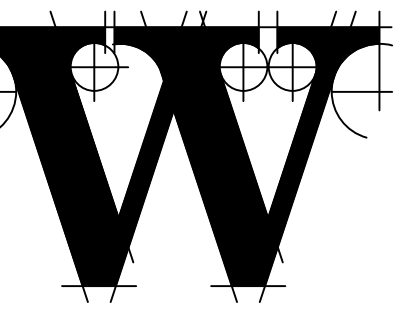


1 ROOF LEVEL DEMO PLAN
S1-130D 1/16" = 1'-0"



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport 1740 Airport Boulevard, Suite 12 Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299 704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER TALBERT & BRIGHT

CONSULTING ARCHITECT LS3P

STRUCTURAL ENGINEER FIRM LICENSE #C-1051 STEWART

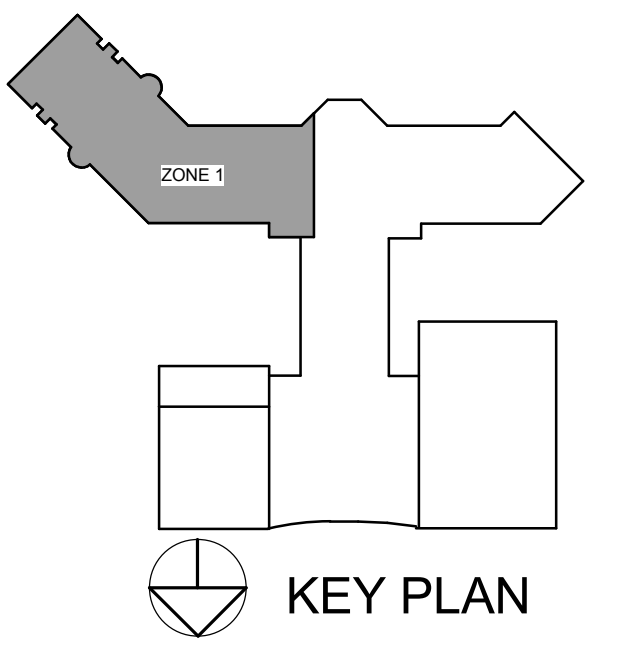
FP/IME ENGINEER CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS BNP

AIRCRAFT SUPPORT SYSTEMS DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT HARTRANFT

SINGAGE & WAYFINDING TAKEFORM



COPYRIGHT © 2019 THE WILSON GROUP ARCHITECTS ALL RIGHTS RESERVED

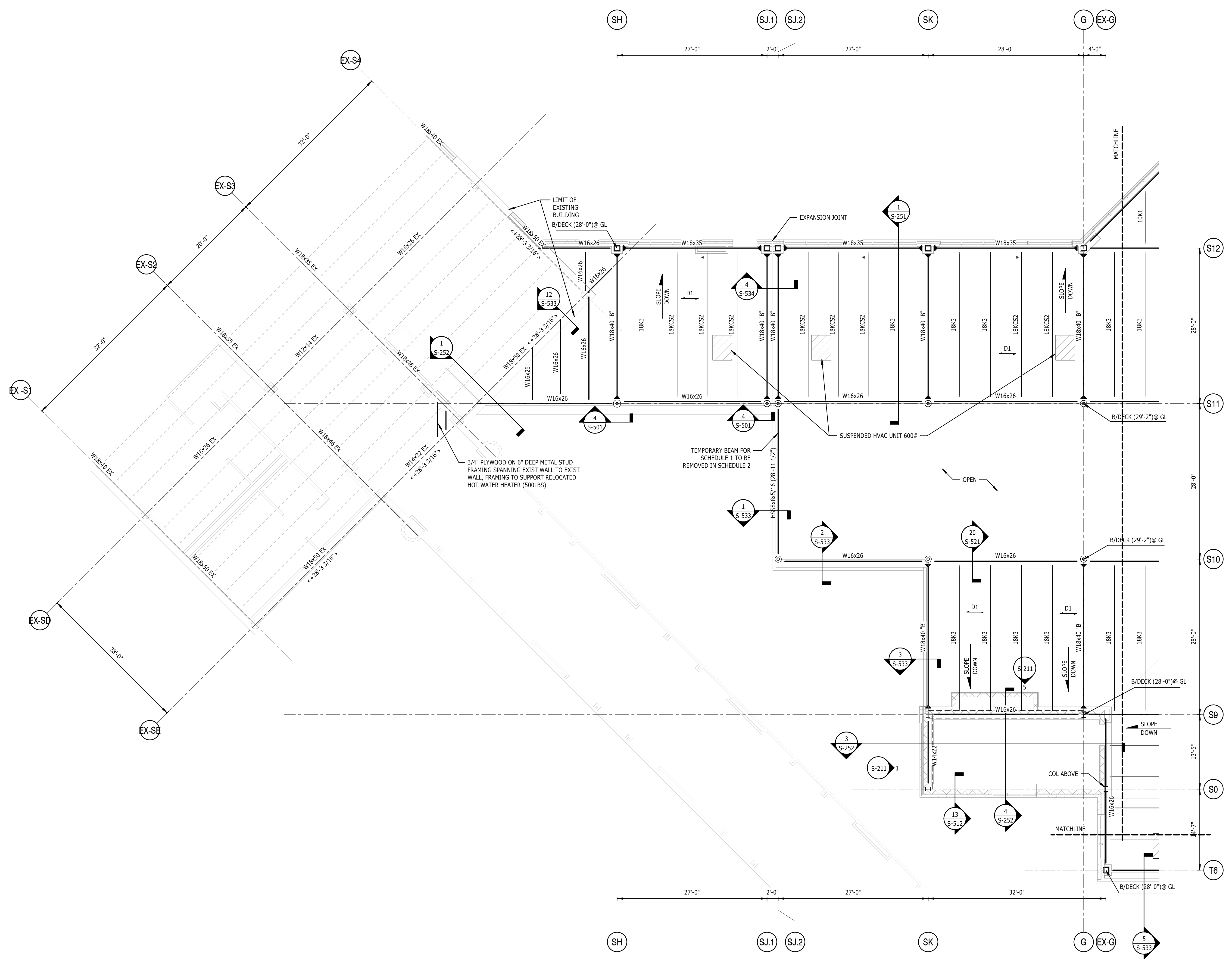
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019 PROJECT NUMBER 9202-000 SHEET TITLE

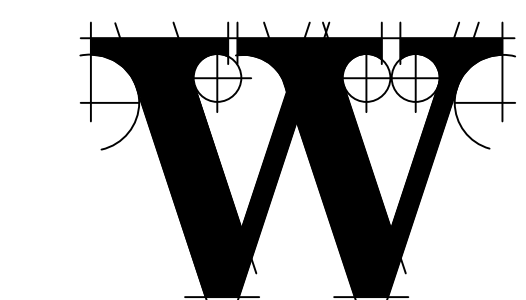
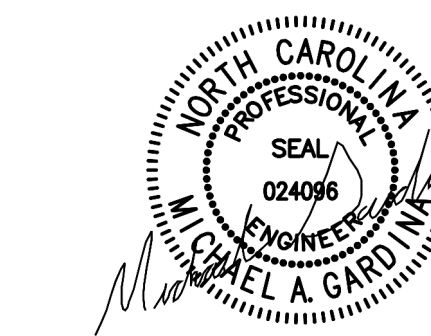
PARTIAL ROOF FRAMING PLAN SCHEDULE 1 ZONE 1

SHEET NUMBER S1-131



1 ROOF FRAMING PLAN SCHEDULE 1 ZONE 1

- NOTES: 1. FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001. 2. (No) INDICATES TOP OF STEEL ELEVATION ABOVE REFERENCED FINISH FLOOR ELEVATION. 3. D1 INDICATES STEEL DECK SPAN DIRECTION. CONSTRUCTION SHALL BE 1/2"18GA METAL DECK. SEE 1/S-521 FOR TYPICAL ROOF CONSTRUCTION DETAIL. 4. INDICATES MOMENT CONNECTION, SEE 19/S-511 FOR SCHEDULE. 5. SEE ELEVATIONS ON PLAN FOR VERTICAL FRAME LOCATIONS AND S-211 FOR ELEVATIONS AND DETAILS. 6. FOR TYPICAL ROOF FRAMING DETAILS, SEE S-521. 7. FOR STEEL COLUMN SCHEDULE, SEE 1/S-501. 8. "B" INDICATES BOTTOM FLANGE BEAM BRACING REQUIRED. 9. "C" INDICATES BOTTOM CHORD EXTENSION REQUIRED. 10. "A=K" INDICATES FACTORED AXIAL FORCE IN COLLECTOR BEAM TO BE USED IN CONNECTION DESIGN. 11. "B/DECK (+#-#)" INDICATES BOTTOM OF DECK ELEVATION FROM REFERENCED FINISH FLOOR ELEVATION. 12. "TRUSS T#" INDICATES TRUSS TYPE, SEE S200 SERIES FOR ELEVATIONS. 13. ALL EXPOSED STRUCTURAL STEEL (COLUMNS, ROOF TRUSSES, TRUSS BEARING & ETC) SHALL BE CONSIDERED AESS. 14. D2 INDICATES STEEL DECK SPAN DIRECTION. CONSTRUCTION SHALL BE 1/2"18GA METAL DECK. SEE 1/S-521 FOR TYPICAL ROOF CONSTRUCTION DETAIL.



THE WILSON GROUP
- ARCHITECTS -

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT

CONSULTING ARCHITECT

LS3P

STRUCTURAL ENGINEER

FIRM LICENSE #C-1051

STEWART

FPP/IME ENGINEER

CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS

BNP

AIRCRAFT SUPPORT SYSTEMS

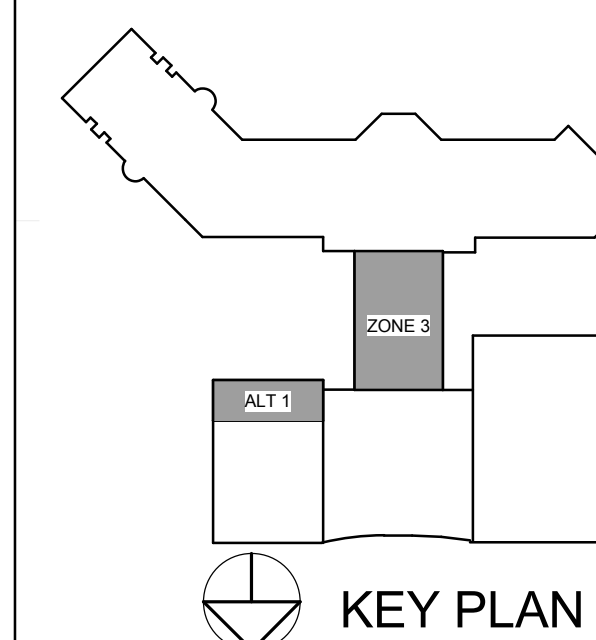
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT

HARTRANFT

SINGAGE & WAYFINDING

TAKEFORM



COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

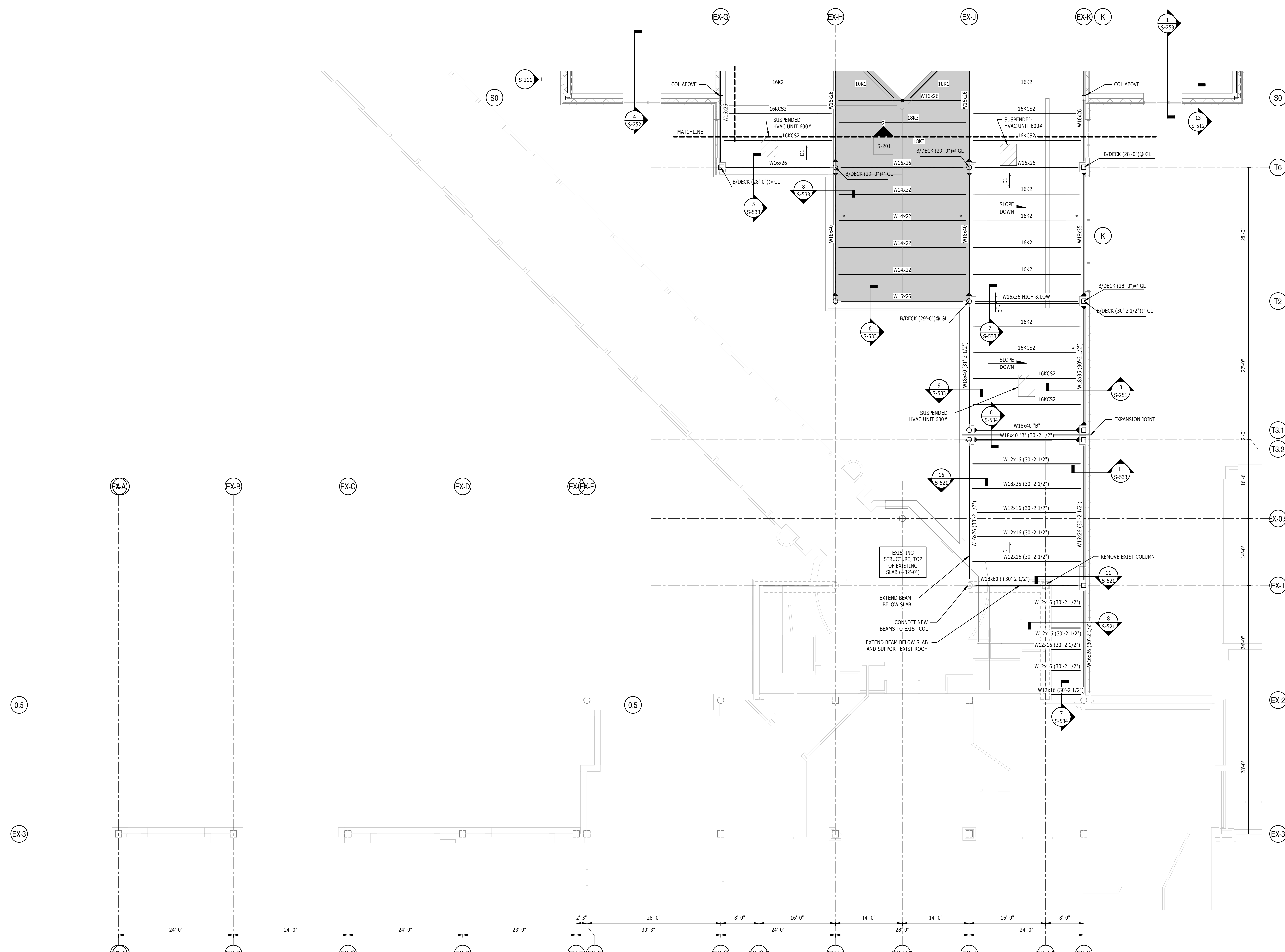
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

PARTIAL ROOF FRAMING PLAN SCHEDULE 1 ZONE 3

SHEET NUMBER

S1-133



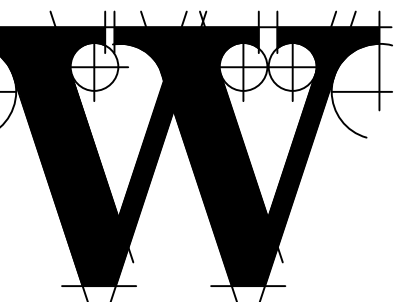
1 ROOF FRAMING PLAN SCHEDULE 1 ZONE 3
S1-133 1/8" = 1'-0"

- NOTES:
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001.
 - (No) INDICATES TOP OF STEEL ELEVATION ABOVE REFERENCED FINISH FLOOR ELEVATION.
 - DL INDICATES TOP OF STEEL ELEVATION ABOVE REFERENCED FINISH FLOOR ELEVATION.
 - DL INDICATES STEEL DECK SPAN DIRECTION. CONSTRUCTION SHALL BE 1 1/2" 18GA METAL DECK. SEE 1/S-521 FOR TYPICAL ROOF CONSTRUCTION DETAIL.
 - INDICATES MOMENT CONNECTION. SEE 1/S-511 FOR SCHEDULE.
 - SEE ELEVATIONS ON PLAN FOR VERTICAL FRAME LOCATIONS AND S-211 FOR ELEVATIONS AND DETAILS.
 - FOR TYPICAL ROOF FRAMING DETAILS, SEE S-521.
 - FOR STEEL COLUMN SCHEDULE, SEE 1/S-501.
 - "B" INDICATES BOTTOM FLANGE BEAM BRACING REQUIRED.
 - ** INDICATES BOTTOM CHORD EXTENSION REQUIRED.
 - *A=#K* INDICATES FACTORED AXIAL FORCE IN COLLECTOR BEAM TO BE USED IN CONNECTION DESIGN.
 - "B/DECK (+#'-#)#" INDICATES BOTTOM OF DECK ELEVATION FROM REFERENCED FINISH FLOOR ELEVATION.
 - "TRUSS T#" INDICATES TRUSS TYPE. SEE S200 SERIES FOR ELEVATIONS.
 - ALL EXPOSED STRUCTURAL STEEL (COLUMNS, ROOF TRUSSES, TRUSS BEARING & ETC) SHALL BE CONSIDERED AESS.
 - D2 INDICATES STEEL DECK SPAN DIRECTION. CONSTRUCTION SHALL BE 1 1/2" 18GA METAL DECK. SEE 1/S-521 FOR TYPICAL ROOF CONSTRUCTION DETAIL.



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

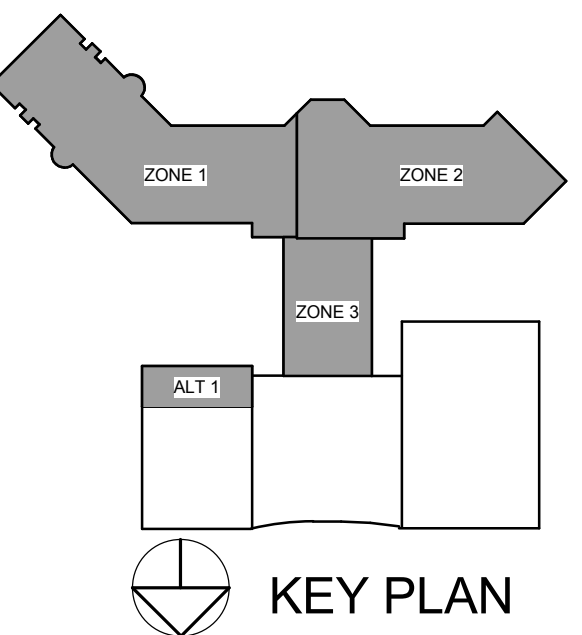
FP/PM/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM



COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

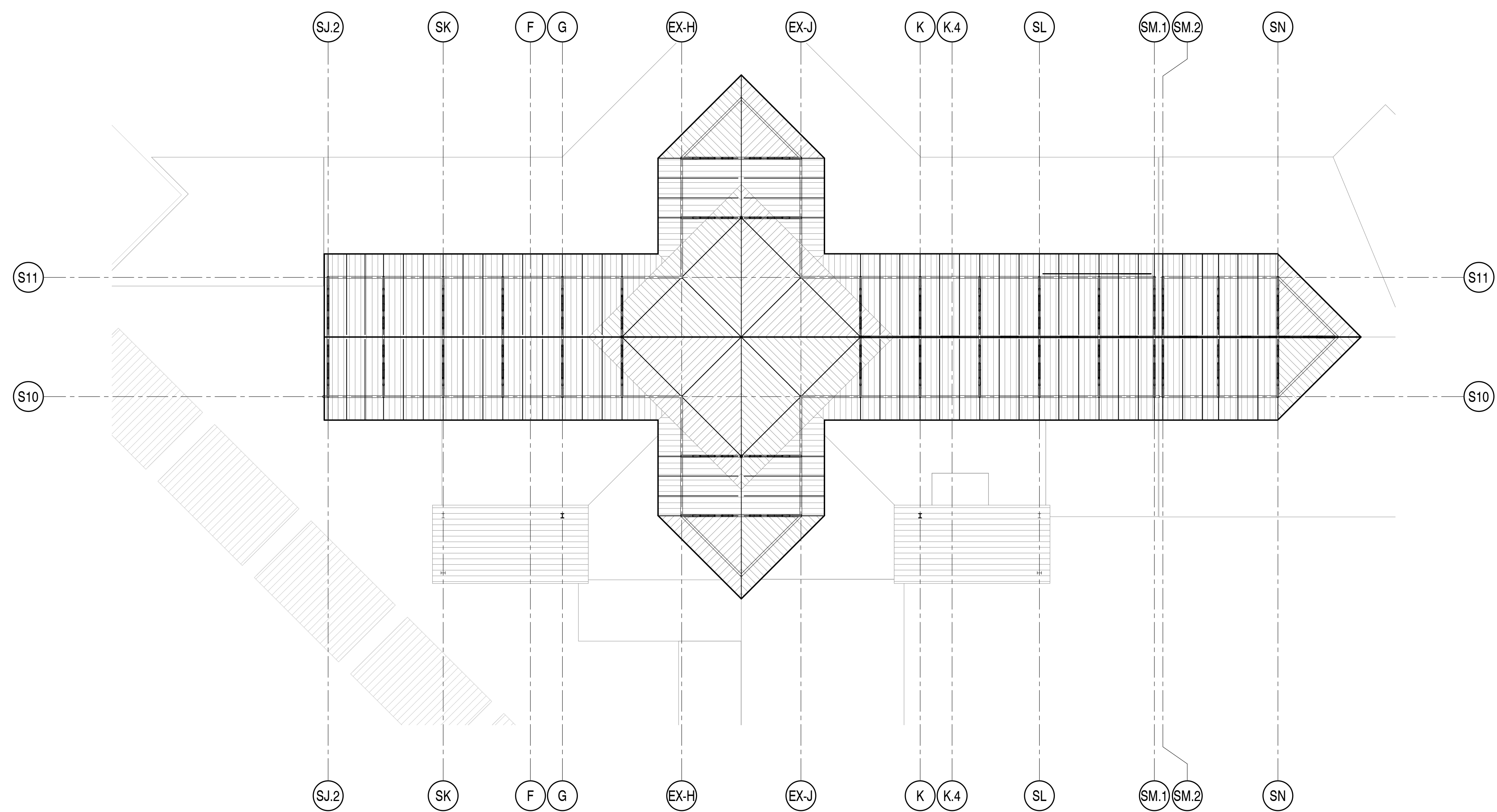
PRINTED OR ELECTRONIC DRAWINGS AND
DOCUMENTATION MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT WRITTEN PERMISSION
FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

OVERALL HIGH ROOF FRAMING PLAN SCHEDULE 1

SHEET NUMBER
S1-140

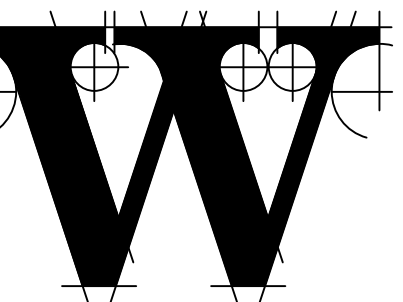


1 OVERALL HIGH ROOF FRAMING PLAN
S1-140 1/16" = 1'-0"



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport 1740 Airport Boulevard, Suite 12 Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299 704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER TALBERT & BRIGHT

CONSULTING ARCHITECT LS3P

STRUCTURAL ENGINEER FIRM LICENSE #C-1051 STEWART

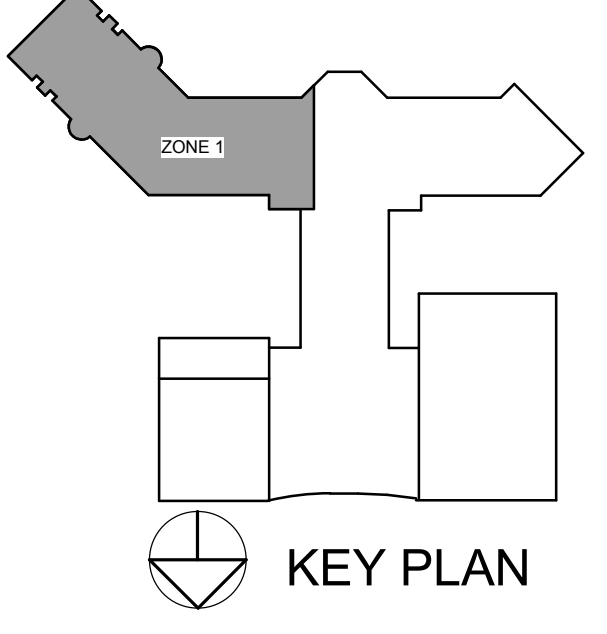
FPI/P/ME ENGINEER CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS BNP

AIRCRAFT SUPPORT SYSTEMS DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT HARTRANFT

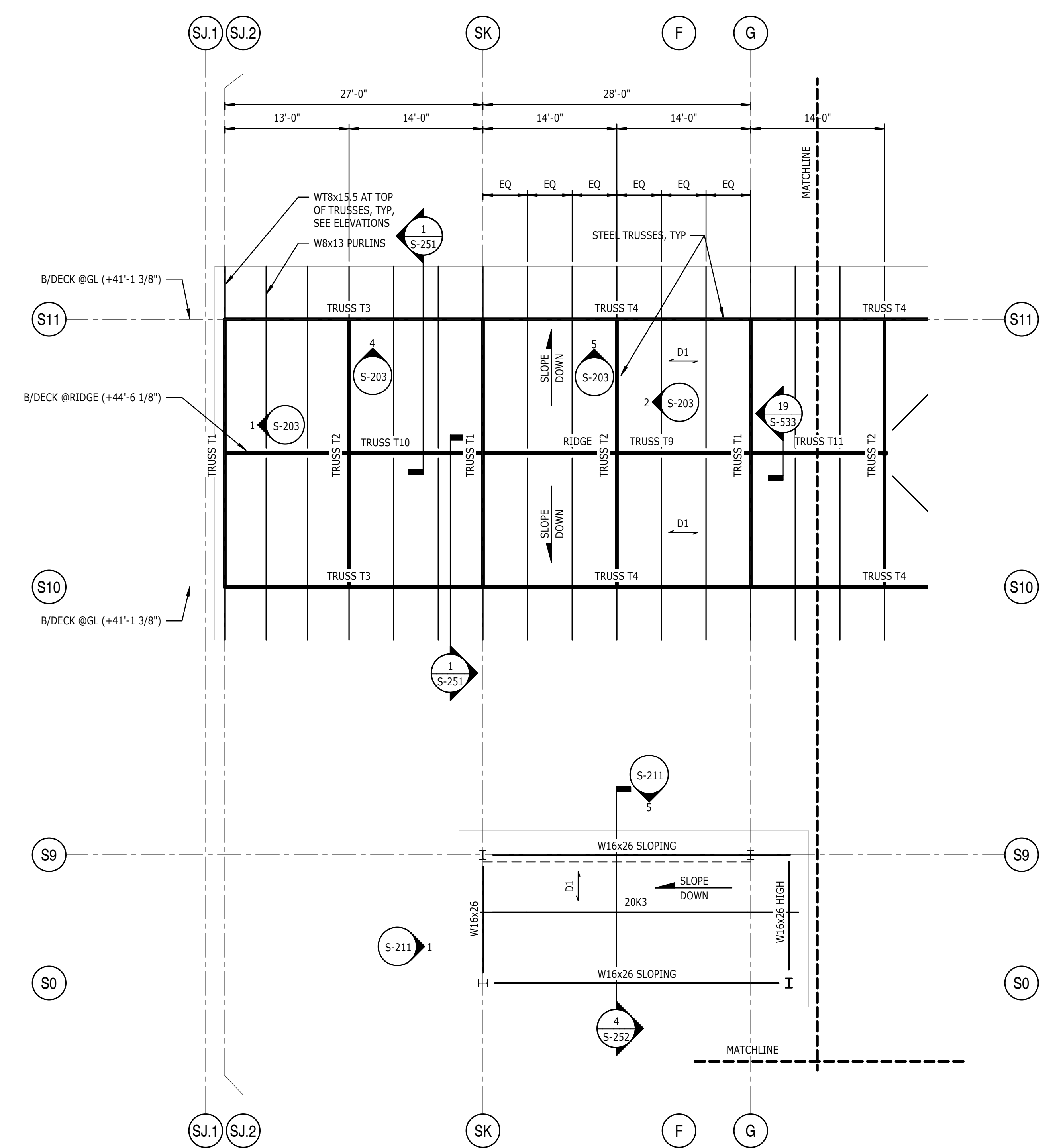
SINGAGE & WAYFINDING TAKEFORM



COPYRIGHT © 2019 THE WILSON GROUP ARCHITECTS ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS



1 HIGH ROOF FRAMING PLAN SCHEDULE 1 ZONE 1

S1-141 1/8" = 1'-0"

- NOTES: 1. FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001. 2. (No) INDICATES TOP OF STEEL ELEVATION ABOVE REFERENCED FINISH FLOOR ELEVATION. 3. D1 INDICATES STEEL DECK SPAN DIRECTION, CONSTRUCTION SHALL BE 1 1/2" 18GA METAL DECK. SEE 1/S-521 FOR TYPICAL ROOF CONSTRUCTION DETAIL. 4. INDICATES MOMENT CONNECTION, SEE 1/S-511 FOR SCHEDULE. 5. SEE ELEVATIONS ON PLAN FOR VERTICAL FRAME LOCATIONS AND S-211 FOR ELEVATIONS AND DETAILS. 6. FOR TYPICAL ROOF FRAMING DETAILS, SEE S-521. 7. FOR STEEL COLUMN SCHEDULE, SEE 1/S-501. 8. "B" INDICATES BOTTOM FLANGE BEAM BRACING REQUIRED. 9. "*" INDICATES BOTTOM CHORD EXTENSION REQUIRED. 10. "A=#K" INDICATES FACTORED AXIAL FORCE IN COLLECTOR BEAM TO BE USED IN CONNECTION DESIGN. 11. "B/DECK (+#'-#)" INDICATES BOTTOM OF DECK ELEVATION FROM REFERENCED FINISH FLOOR ELEVATION. 12. "TRUSS T#" INDICATES TRUSS TYPE, SEE S200 SERIES FOR ELEVATIONS. 13. ALL EXPOSED STRUCTURAL STEEL (COLUMNS, ROOF TRUSSES, TRUSS BEARING & ETC) SHALL BE CONSIDERED AEST. 14. D2 INDICATES STEEL DECK SPAN DIRECTION, CONSTRUCTION SHALL BE 1 1/2" 18GA METAL DECK. SEE 1/S-521 FOR TYPICAL ROOF CONSTRUCTION DETAIL.

DATE 06/28/2019 PROJECT NUMBER 9202-000 SHEET TITLE

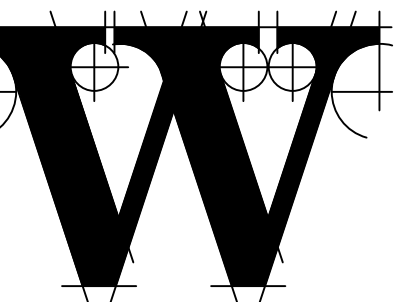
PARTIAL HIGH ROOF FRAMING PLAN SCHEDULE 1 ZONE 1

SHEET NUMBER S1-141



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

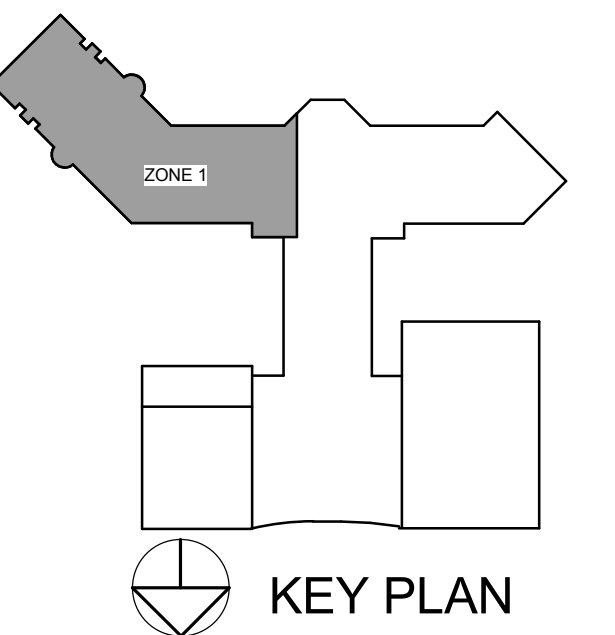
FP/PM/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM



COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

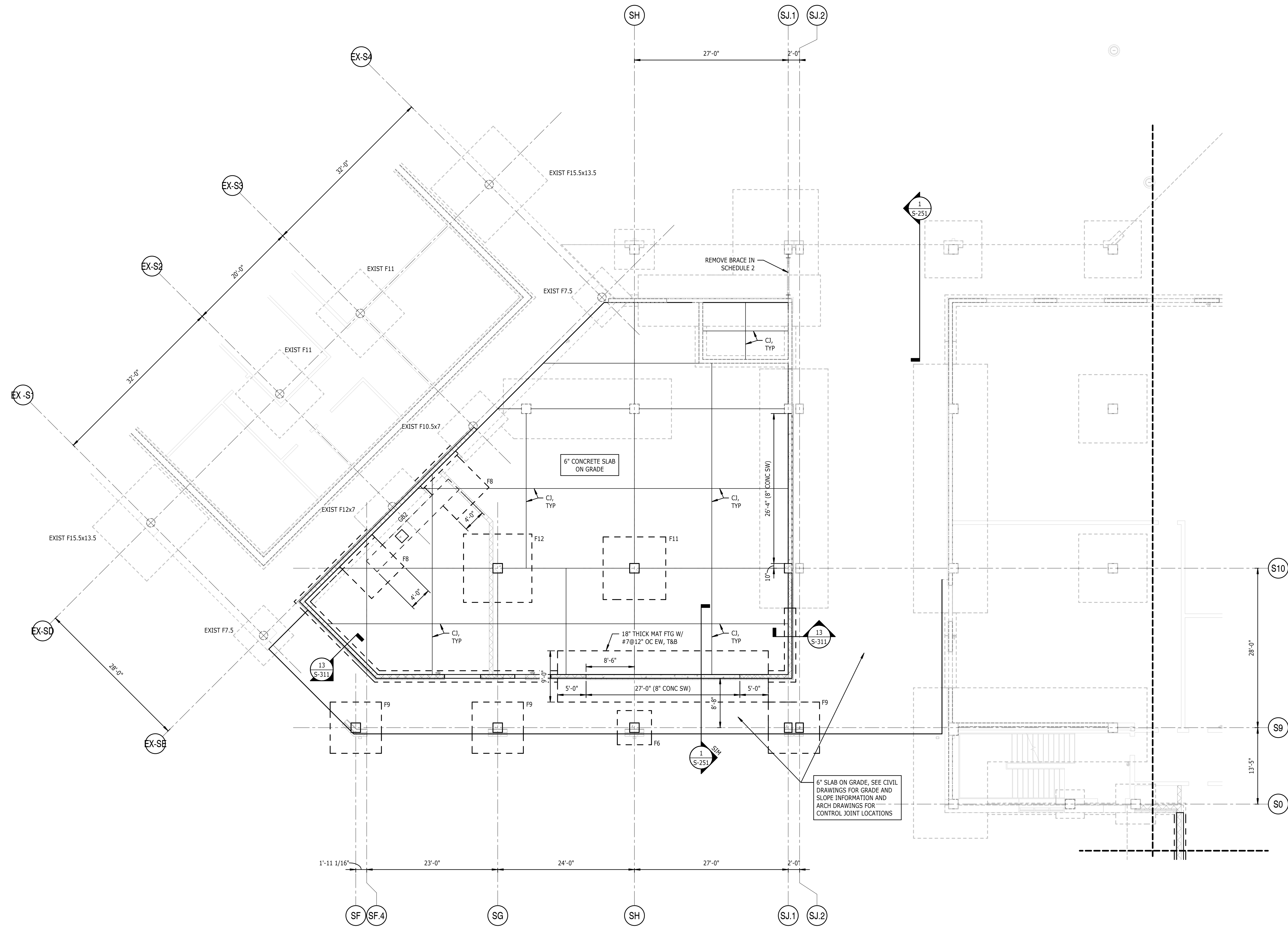
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

PARTIAL FOUNDATION PLAN SCHEDULE 2 ZONE 1

SHEET NUMBER
S2-101



1 FOUNDATION PLAN SCHEDULE 2 ZONE 1

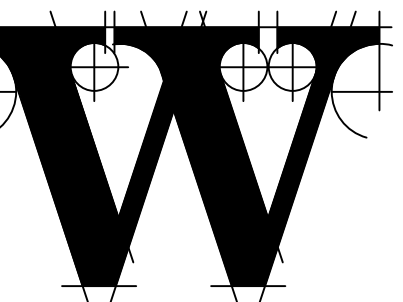
S2-101 1/8" = 1'-0"

- NOTES:
1. FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001.
 2. SEE CIVIL DRAWINGS FOR FINISHED FLOOR ELEVATION, UNO, REFERENCE ELEVATION 0'-0".
 3. [No] INDICATES DEPRESSED OR RAISED SLAB ELEVATION, SEE PLAN.
 4. TOP OF FOOTING 2'-0" BELOW FINISHED FLOOR ELEVATION, UNO. <No> INDICATES TOP OF FOOTING ELEVATION, SEE PLAN.
 5. [] INDICATES STEP IN WALL FOOTING, SEE 9/S-301.
 6. "F#" INDICATES FOOTING TYPE, SEE 7/S-301.
 7. FOR STEEL COLUMN SCHEDULE, SEE 1/S-501.
 8. FOR CONCRETE COLUMN SCHEDULE, SEE 1/S-323.
 9. "CONC SW" INDICATES CONCRETE SHEARWALL, SEE ___ FOR SCHEDULE.
 10. FOR TYPICAL SLAB CONSTRUCTION DETAILS, SEE 1/S-301.



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport 1740 Airport Boulevard, Suite 12 Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299 704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER TALBERT & BRIGHT

CONSULTING ARCHITECT

LS3P

STRUCTURAL ENGINEER

FIRM LICENSE #C-1051

STEWART

FP/PM/E ENGINEER

CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS

BNP

AIRCRAFT SUPPORT SYSTEMS

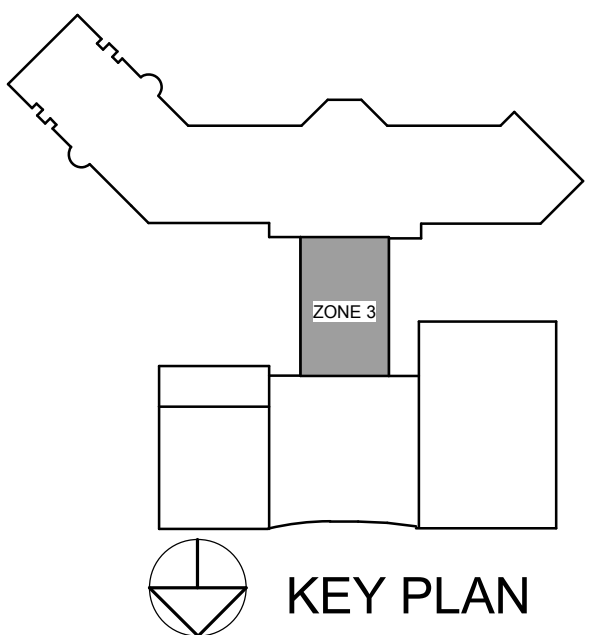
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT

HARTRANFT

SINGAGE & WAYFINDING

TAKEFORM



COPYRIGHT © 2019 THE WILSON GROUP ARCHITECTS ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

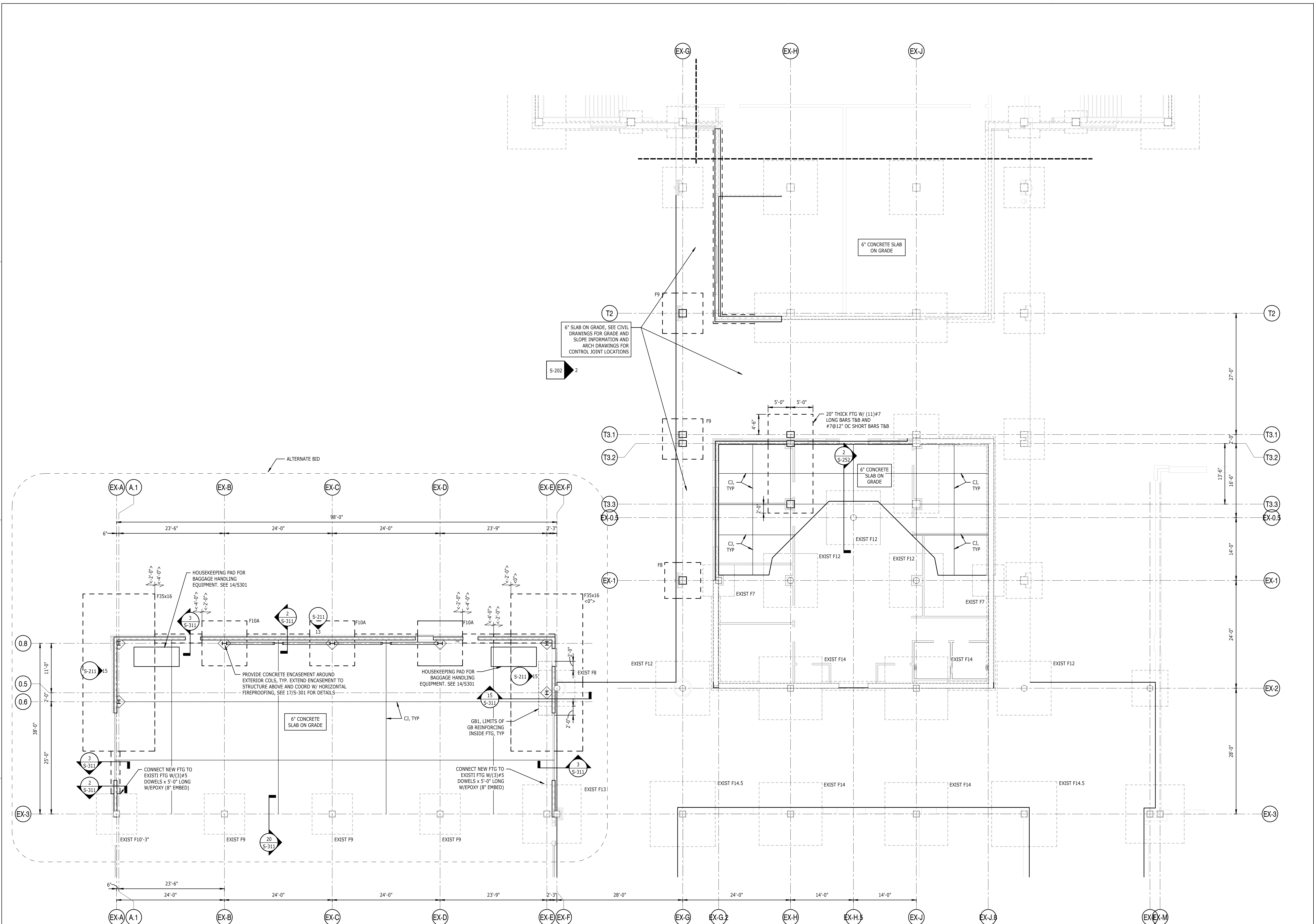
REVISIONS

DATE 06/28/2019 PROJECT NUMBER 9202-000 SHEET TITLE

PARTIAL FOUNDATION PLAN SCHEDULE 2 ZONE 3

SHEET NUMBER

S2-103



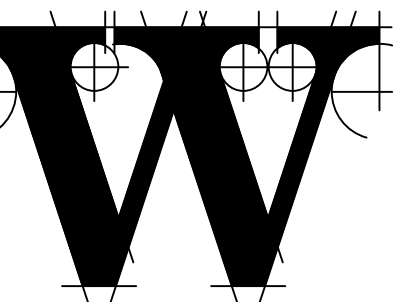
1 FOUNDATION PLAN SCHEDULE 2 ZONE 3

- NOTES: 1. FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001. 2. SEE CIVIL DRAWINGS FOR FINISHED FLOOR ELEVATION, UNO. REFERENCE ELEVATION 0'-0". 3. [No] INDICATES DEPRESSED OR RAISED SLAB ELEVATION, SEE PLAN. 4. TOP OF FOOTING 2'-0" BELOW FINISHED FLOOR ELEVATION, UNO. <No> INDICATES TOP OF FOOTING ELEVATION, SEE PLAN. 5. [---] INDICATES STEP IN WALL FOOTING, SEE 9/S-301. 6. "F#" INDICATES FOOTING TYPE, SEE 7/S-301. 7. FOR STEEL COLUMN SCHEDULE, SEE 1/S-501. 8. FOR CONCRETE COLUMN SCHEDULE, SEE 1/S-323. 9. "CONC SW" INDICATES CONCRETE SHEARWALL, SEE [] FOR SCHEDULE. 10. FOR TYPICAL SLAB CONSTRUCTION DETAILS, SEE 1/S-301.



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT

CONSULTING ARCHITECT

LS3P

STRUCTURAL ENGINEER

FIRM LICENSE #C-1051

STEWART

FP/PM/E ENGINEER

CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS

BNP

AIRCRAFT SUPPORT SYSTEMS

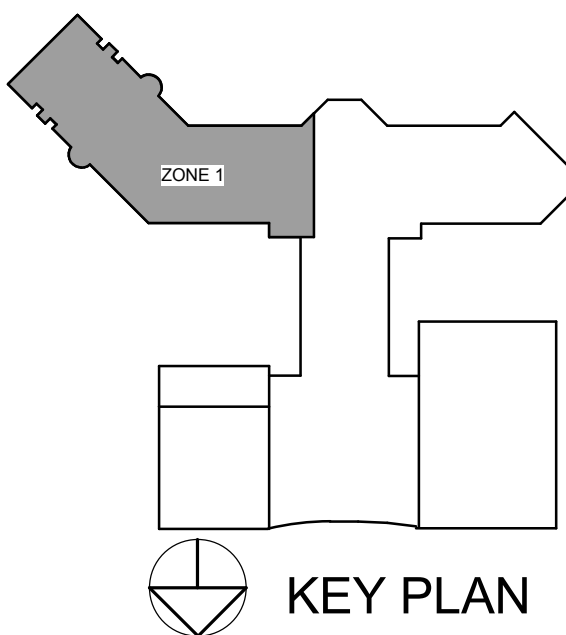
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT

HARTRANFT

SINGAGE & WAYFINDING

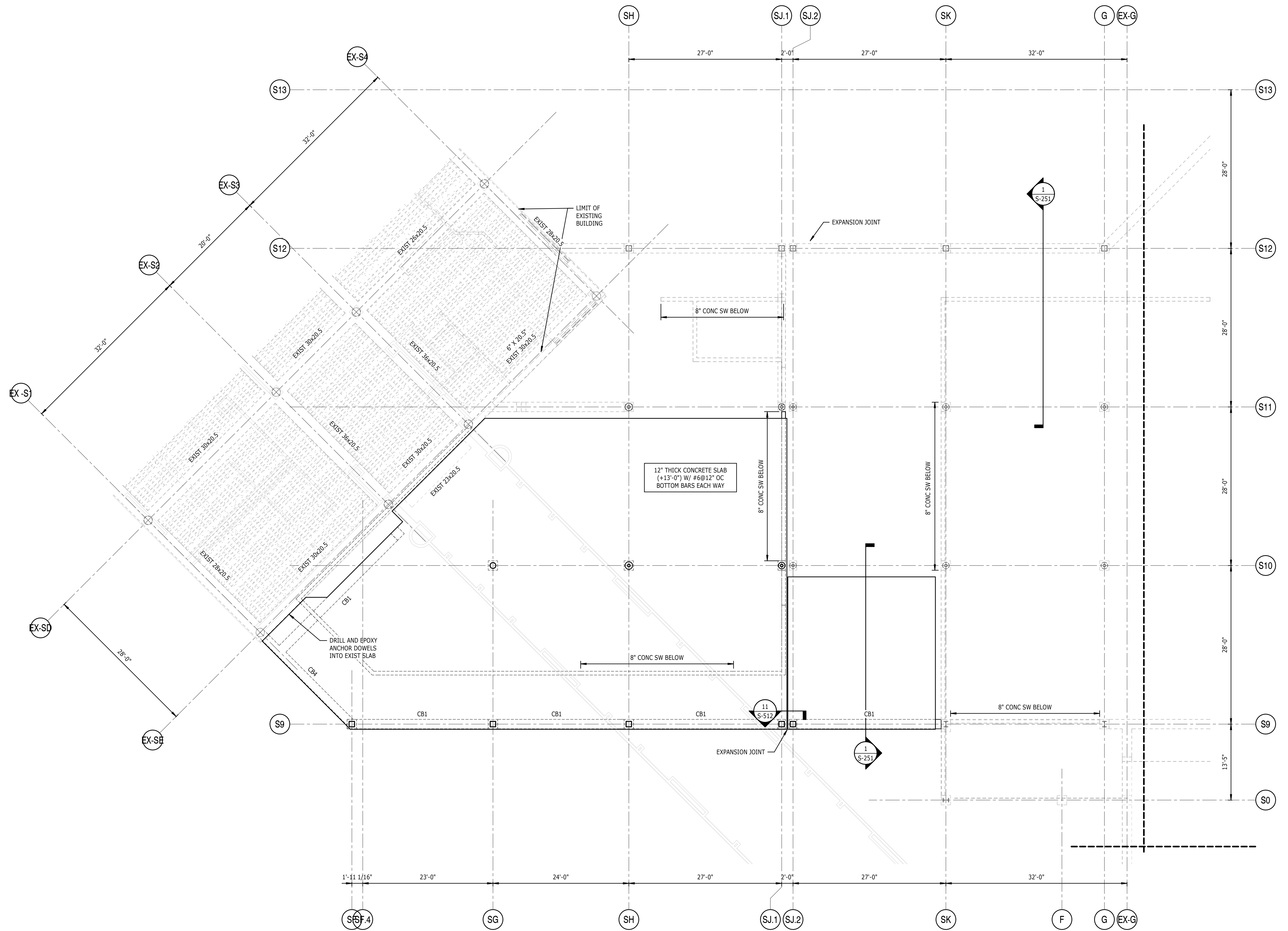
TAKEFORM



COPYRIGHT © 2019 THE WILSON GROUP ARCHITECTS ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS



1 BOARDING LEVEL SCHEDULE 2 ZONE 1

S2-121

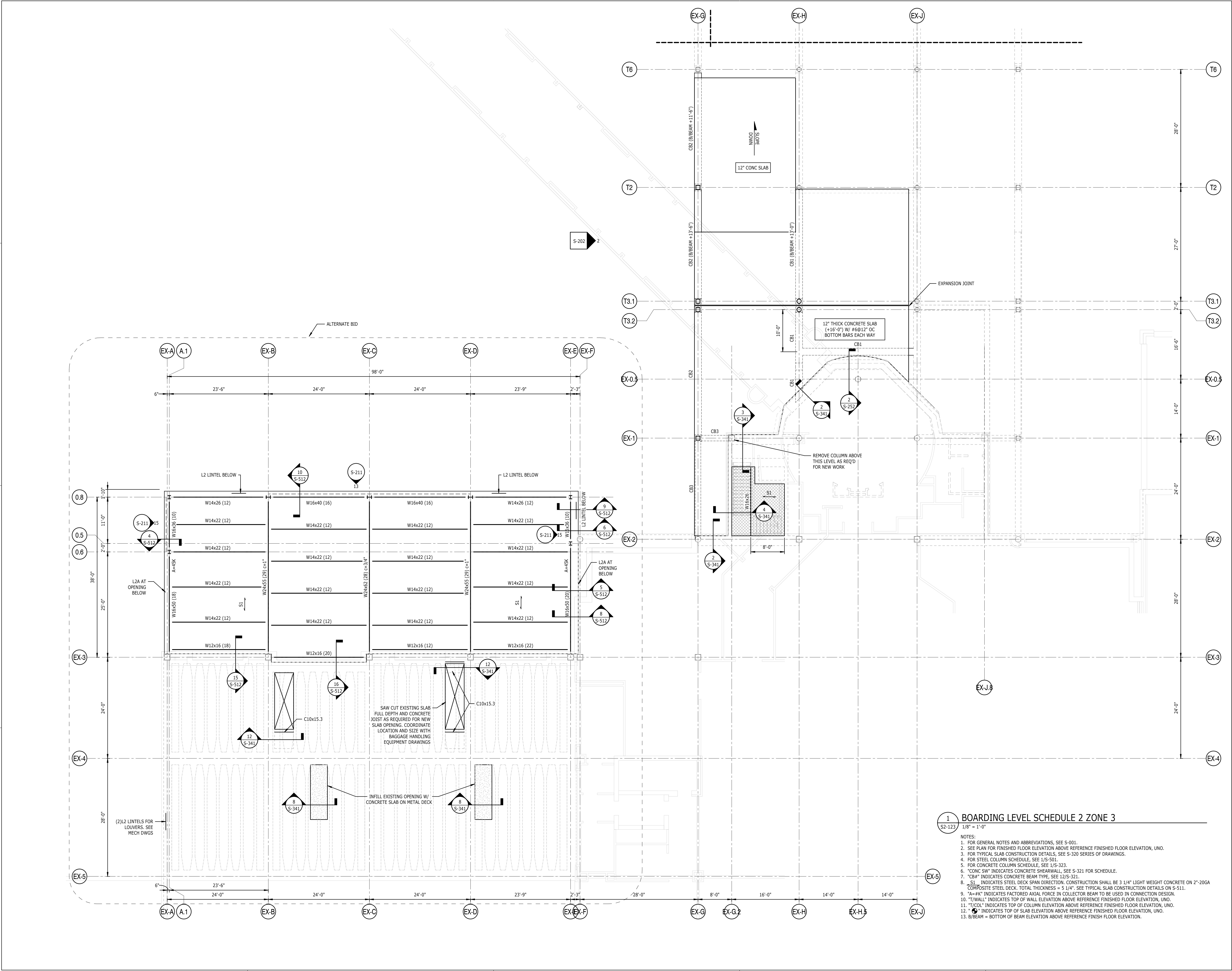
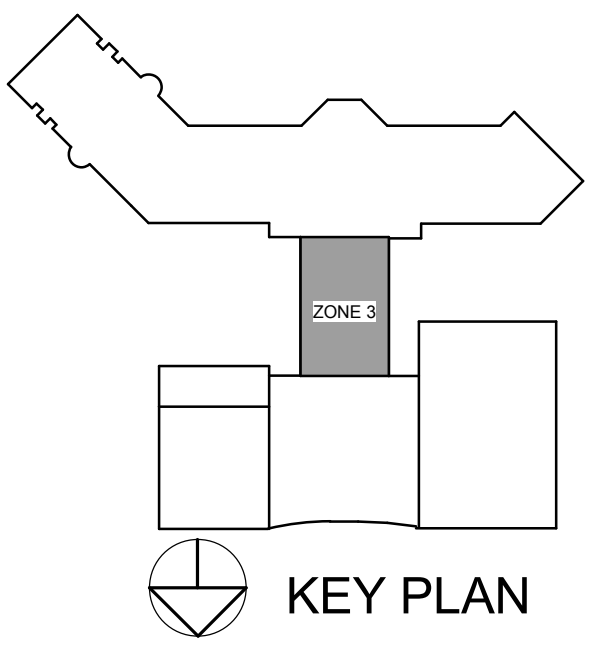
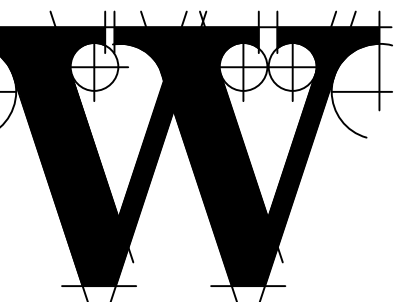
1/8" = 1'-0"

- NOTES:
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001.
 - SEE PLAN FOR FINISHED FLOOR ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - FOR TYPICAL SLAB CONSTRUCTION DETAILS, SEE S-320 SERIES OF DRAWINGS.
 - FOR STEEL COLUMN SCHEDULE, SEE I/S-501.
 - FOR CONCRETE COLUMN SCHEDULE, SEE I/S-323.
 - "CONC SW" INDICATES CONCRETE SHEARWALL, SEE S-321 FOR SCHEDULE.
 - "CB#" INDICATES CONCRETE BEAM TYPE, SEE I/S-321.
 - S1... INDICATES STEEL DECK SPAN DIRECTION. CONSTRUCTION SHALL BE 3.1/4" LIGHT WEIGHT CONCRETE ON 2"-20GA COMPOSITE STEEL DECK, TOTAL THICKNESS = 5 1/4". SEE TYPICAL SLAB CONSTRUCTION DETAILS ON S-511.
 - "A=#K" INDICATES FACTORED AXIAL FORCE IN COLLECTOR BEAM TO BE USED IN CONNECTION DESIGN.
 - "T/WALL" INDICATES TOP OF WALL ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - "T/COL" INDICATES TOP OF COLUMN ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - INDICATES TOP OF SLAB ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - B/BEAM = BOTTOM OF BEAM ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION.

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

PARTIAL LEVEL 2 SCHEDULE 2 ZONE 1

SHEET NUMBER S2-121



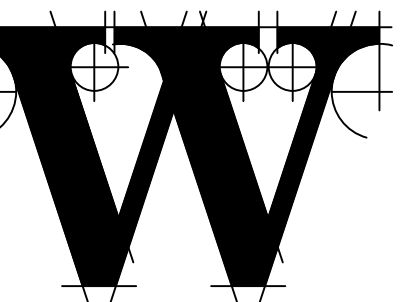
1 BOARDING LEVEL SCHEDULE 2 ZONE 3
1/8" = 1'-0"

- NOTES:
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001.
 - SEE PLAN FOR FINISHED FLOOR ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - FOR TYPICAL SLAB CONSTRUCTION DETAILS, SEE S-320 SERIES OF DRAWINGS.
 - FOR STEEL COLUMN SCHEDULE, SEE 1/S-501.
 - FOR CONCRETE COLUMN SCHEDULE, SEE 1/S-323.
 - "CONC SW" INDICATES CONCRETE SHEARWALL, SEE S-321 FOR SCHEDULE.
 - "CS#1" INDICATES CONCRETE BEAM TYPE, SEE 1/S-321.
 - "S1" INDICATES STEEL DECK SPAN DIRECTION, CONSTRUCTION SHALL BE 3 1/4" LIGHT WEIGHT CONCRETE ON 2"-20GA COMPOSITE STEEL DECK, TOTAL THICKNESS = 5 1/4". SEE TYPICAL SLAB CONSTRUCTION DETAILS ON S-511.
 - "A#K" INDICATES FACTORED AXIAL FORCE IN COLLECTOR BEAM TO BE USED IN CONNECTION DESIGN.
 - "TWALL" INDICATES TOP OF WALL ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - "T/COL" INDICATES TOP OF COLUMN ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - "S" INDICATES TOP OF SLAB ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - "B/B" INDICATES TOP OF BEAM ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION, UNO.
 - "B/BEAM" = BOTTOM OF BEAM ELEVATION ABOVE REFERENCE FINISHED FLOOR ELEVATION.



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FP/PM/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

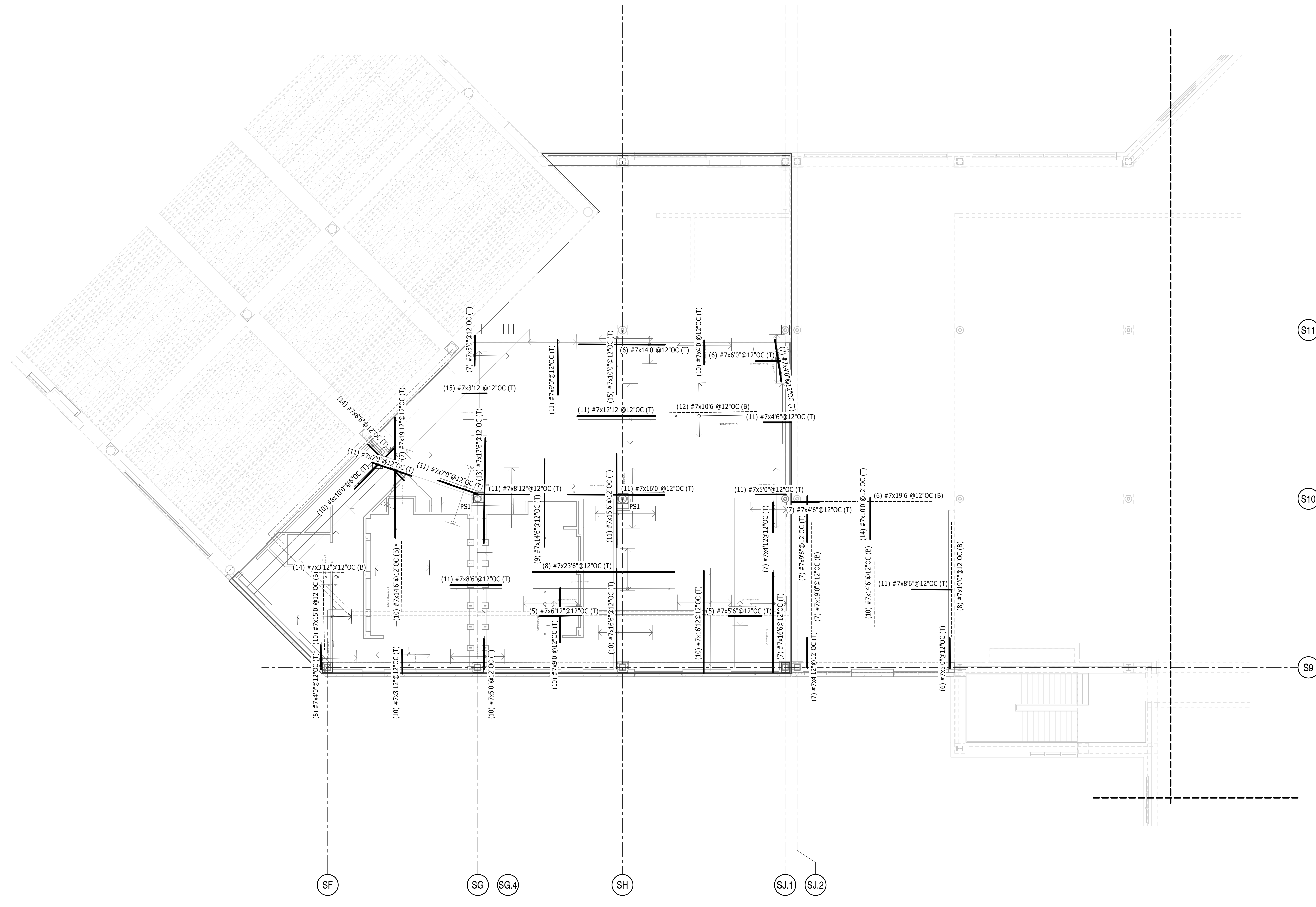
SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS



1 BOARDING LEVEL REBAR PLAN SCHEDULE 2 ZONE 1

S2-124 1/8" = 1'-0"

REBAR PLAN NOTES:

- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001 AND S-002.
- FINISH FLOOR ELEVATION +13'-0" ABOVE REFERENCE FINISH FLOOR ELEVATION, UNLESS NOTED OTHERWISE.
- CONCRETE ELEVATED SLABS SHALL BE TWO WAY FLAT PLATE CONCRETE SLAB. SEE PLAN FOR SLAB THICKNESS. TOP OF SLAB SHALL BE SLOPED WHERE NOTED ON ARCHITECTURAL DRAWINGS.
- ALL OPENINGS IN CONCRETE SLAB MUST BE LOCATED AND BLOCKED OUT PRIOR TO CONCRETE BEING PLACED. NO CORE DRILLING IS PERMITTED WITHOUT CONSENT OF THE ENGINEER OF RECORD. SEE 7/5-322 FOR REINFORCING AT OPENINGS.
- "CONC SW" INDICATES CONCRETE SHEAR WALL.
- SEE ARCHITECTURAL DRAWINGS FOR PRECISE EDGE OF SLAB DIMENSIONS. ARCHITECTURAL DRAWINGS GOVERN ALL DIMENSIONS.
- SEE ARCHITECTURAL AND PLUMBING DRAWINGS FOR FLOOR DRAINS AND SLAB SLOPES.
- "PS" INDICATES STUD RAILS, STUD RAILS ARE REQUIRED TO BEGIN AT FACE OF COLUMN, SEE 7/5-321.
- PROVIDE ADDITIONAL STEEL AT ALL RE-ENRAINT CORNERS PER DETAIL 4/5-322.
- "CB" INDICATES CONCRETE BEAM, SEE 6/5-321.
- REINFORCING THAT TERMINATES AT THE INTERFACE BETWEEN SCHEDULE 1 AND SCHEDULE 2 SHALL HAVE THREADED COUPLERS AT THE ENDS OF SCHEDULE 1 REINFORCING. SCHEDULE 2 REINFORCING SHALL BE THREADED TO CONNECT TO THE COUPLERS INSTALLED IN SCHEDULE 1. THIS IS TYPICAL AT THE SLAB AND BEAMS ALONG THIS JOINT.

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

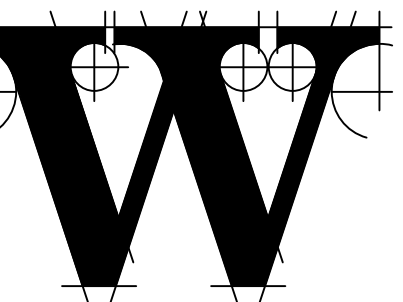
PARTIAL BOARDING LEVEL REBAR PLAN SCHEDULE 2 ZONE 1
SHEET NUMBER

S2-124



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport 1740 Airport Boulevard, Suite 12 Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299 704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT

CONSULTING ARCHITECT

LS3P

STRUCTURAL ENGINEER

FIRM LICENSE #C-1051

STEWART

FP/PM/E ENGINEER

CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS

BNP

AIRCRAFT SUPPORT SYSTEMS

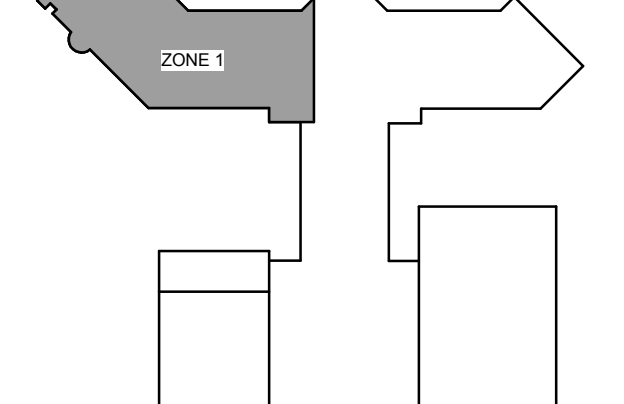
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT

HARTRANFT

SINGAGE & WAYFINDING

TAKEFORM

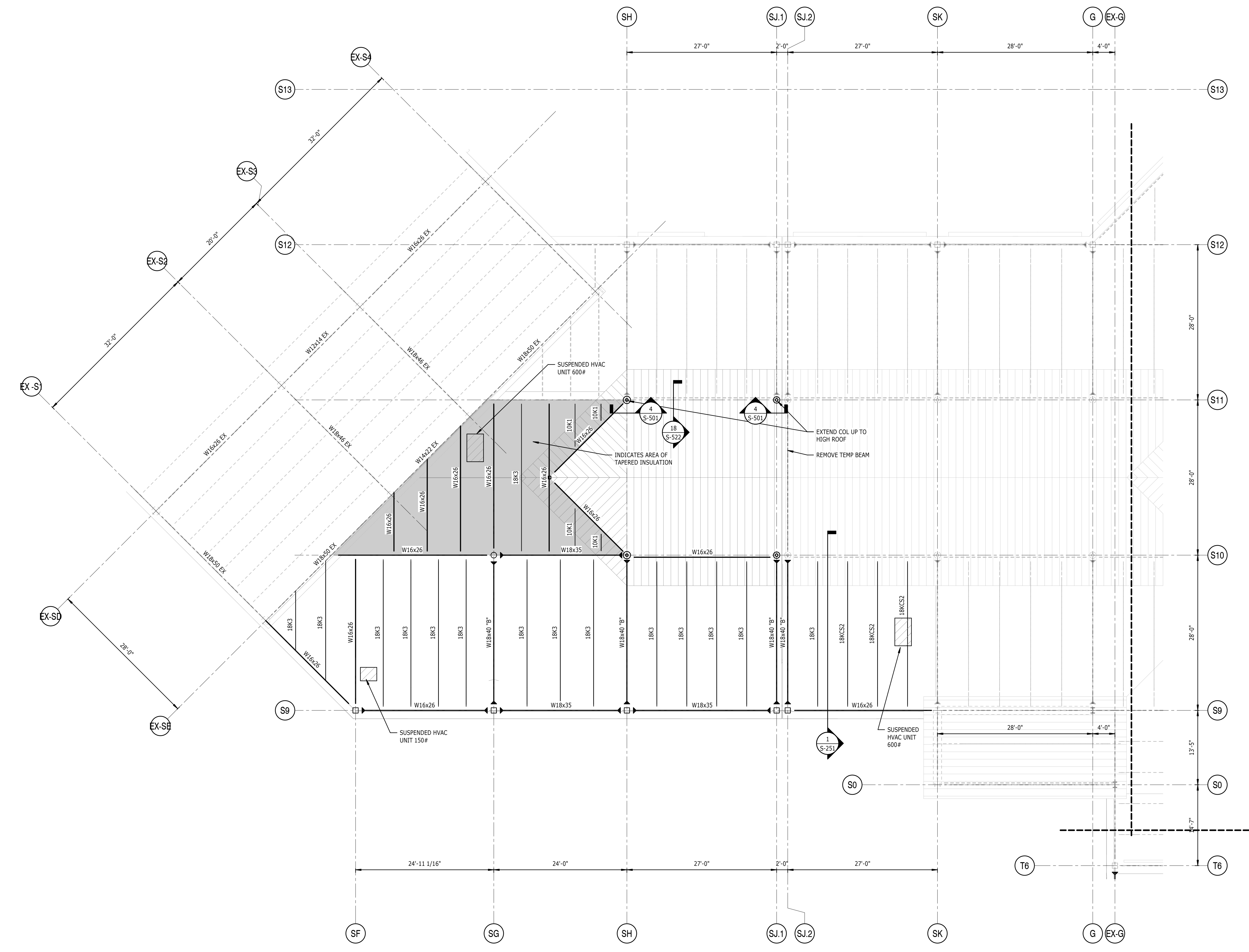


KEY PLAN

COPYRIGHT © 2019 THE WILSON GROUP ARCHITECTS ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS



1 ROOF FRAMING PLAN SCHEDULE 2 ZONE 1

S2-131

1/8" = 1'-0"

- NOTES:
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001.
 - (No) INDICATES TOP OF STEEL ELEVATION ABOVE REFERENCED FINISH FLOOR ELEVATION.
 - _D1_ INDICATES STEEL DECK SPAN DIRECTION. CONSTRUCTION SHALL BE 1 1/2" 18GA METAL DECK. SEE 1/S-521 FOR TYPICAL ROOF CONSTRUCTION DETAIL.
 - INDICATES MOMENT CONNECTION, SEE 19/S-511 FOR SCHEDULE.
 - SEE ELEVATIONS ON PLAN FOR VERTICAL FRAME LOCATIONS AND S-211 FOR ELEVATIONS AND DETAILS.
 - FOR TYPICAL ROOF FRAMING DETAILS, SEE S-521.
 - FOR STEEL COLUMN SCHEDULE, SEE 1/S-501.
 - "B" INDICATES BOTTOM FLANGE BEAM BRACING REQUIRED.
 - ** INDICATES BOTTOM CHORD EXTENSION REQUIRED.
 - "A-HK" INDICATES FACTORED AXIAL FORCE IN COLLECTOR BEAM TO BE USED IN CONNECTION DESIGN.
 - "B/DECK (+/-#-#)" INDICATES BOTTOM OF DECK ELEVATION FROM REFERENCED FINISH FLOOR ELEVATION.
 - "TRUSS T#" INDICATES TRUSS TYPE, SEE S200 SERIES FOR ELEVATIONS.
 - ALL EXPOSED STRUCTURAL STEEL (COLUMNS, ROOF TRUSSES, TRUSS BEARING & ETC) SHALL BE CONSIDERED AESS.
 - _D2_ INDICATES STEEL DECK SPAN DIRECTION. CONSTRUCTION SHALL BE 1 1/2" 18GA METAL DECK. SEE 1/S-521 FOR TYPICAL ROOF CONSTRUCTION DETAIL.

DATE 06/28/2019 PROJECT NUMBER 9202-000 SHEET TITLE

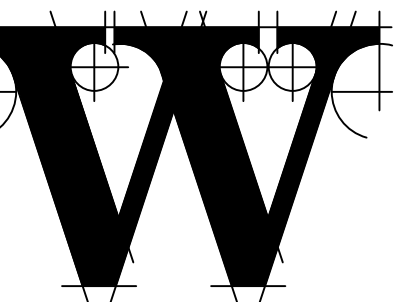
PARTIAL ROOF FRAMING PLAN SCHEDULE 2 ZONE 1

SHEET NUMBER S2-131



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport 1740 Airport Boulevard, Suite 12 Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299 704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER TALBERT & BRIGHT

CONSULTING ARCHITECT LS3P

STRUCTURAL ENGINEER FIRM LICENSE #C-1051 STEWART

FPI/PME ENGINEER CHEATHAM & ASSOC.

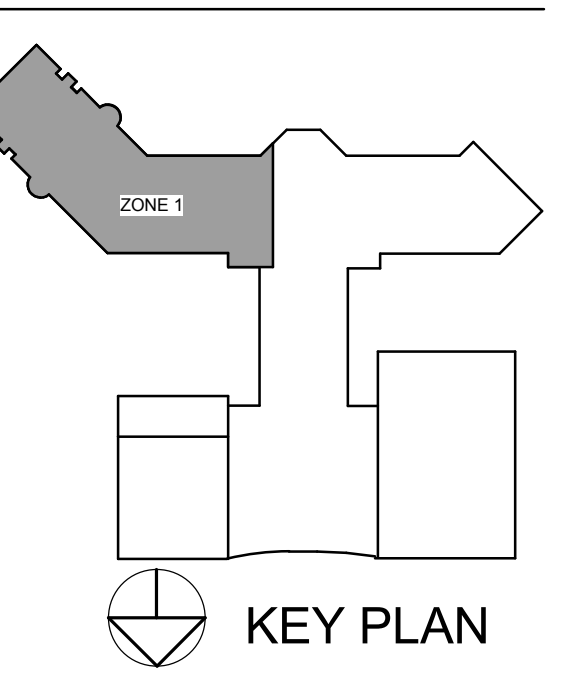
BAGGAGE HANDLING CONSULTANTS BNP

AIRCRAFT SUPPORT SYSTEMS DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT HARTRANFT

SINGAGE & WAYFINDING TAKEFORM

KEY PLAN



COPYRIGHT © 2019 THE WILSON GROUP ARCHITECTS ALL RIGHTS RESERVED

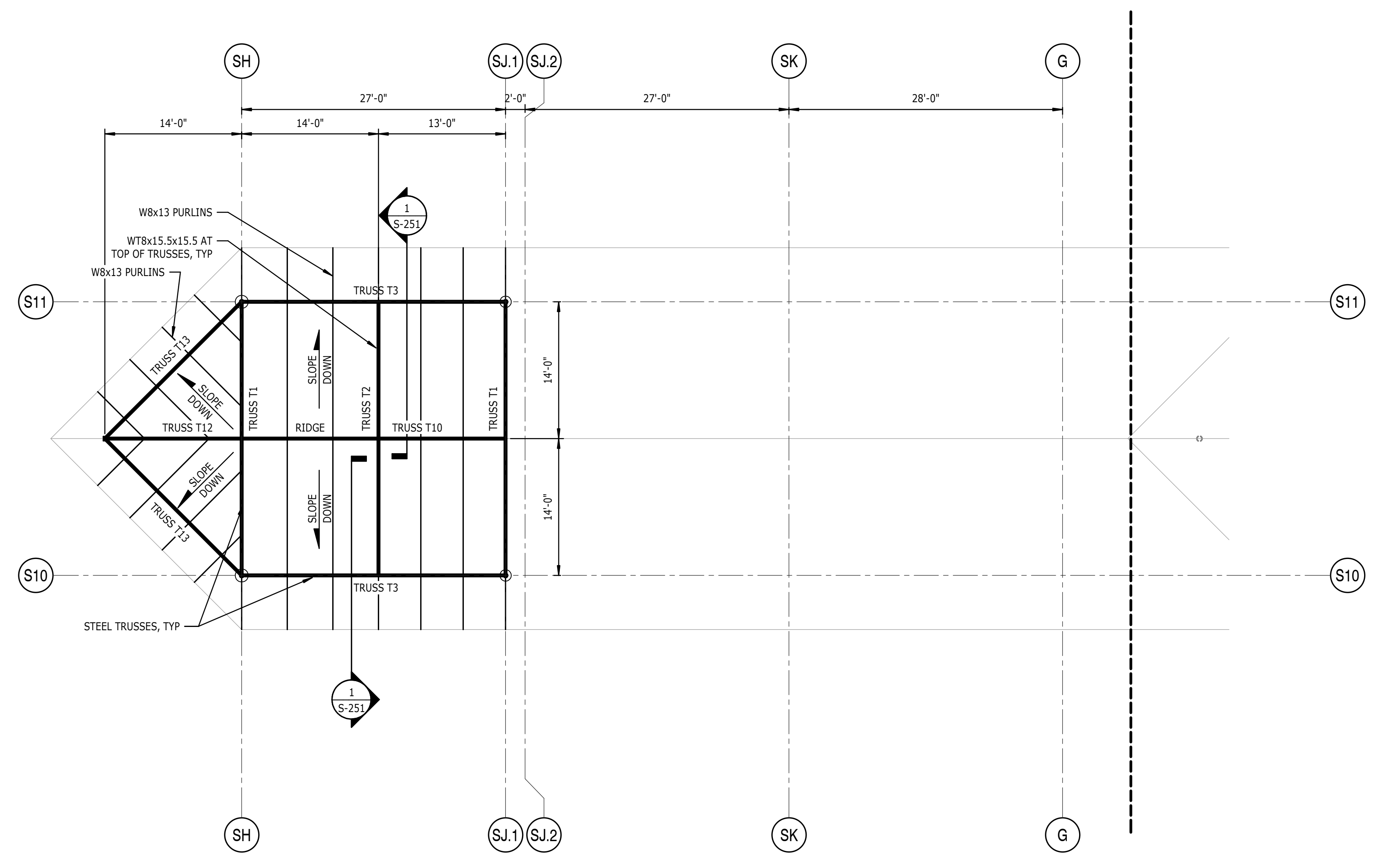
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019 PROJECT NUMBER 9202-000 SHEET TITLE

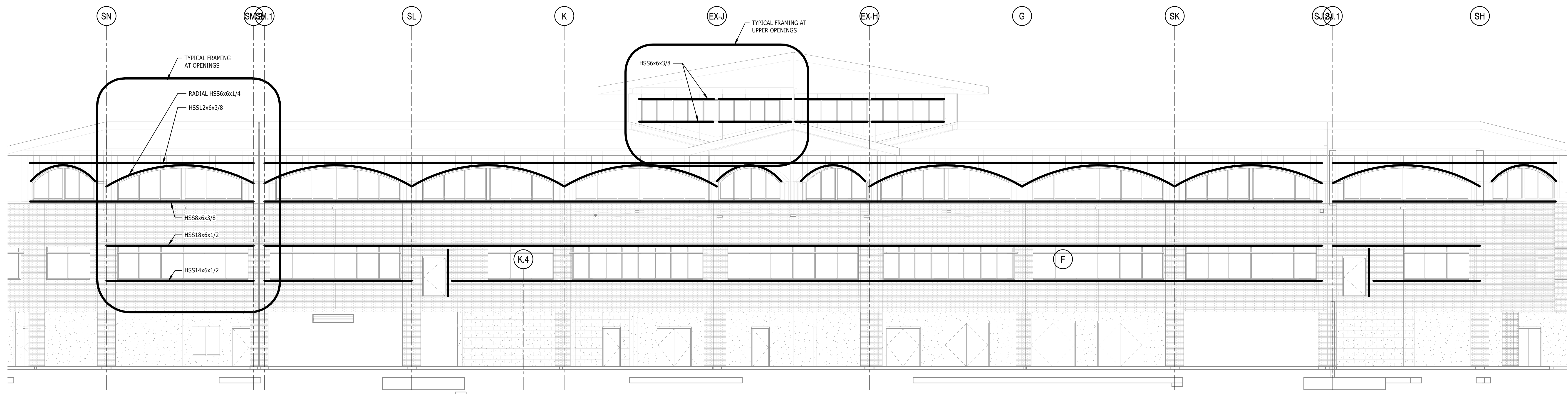
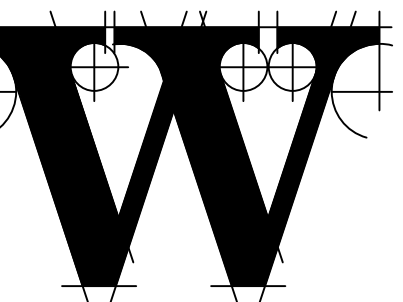
PARTIAL HIGH ROOF PLAN SCHEDULE 2 ZONE 1

SHEET NUMBER S2-141

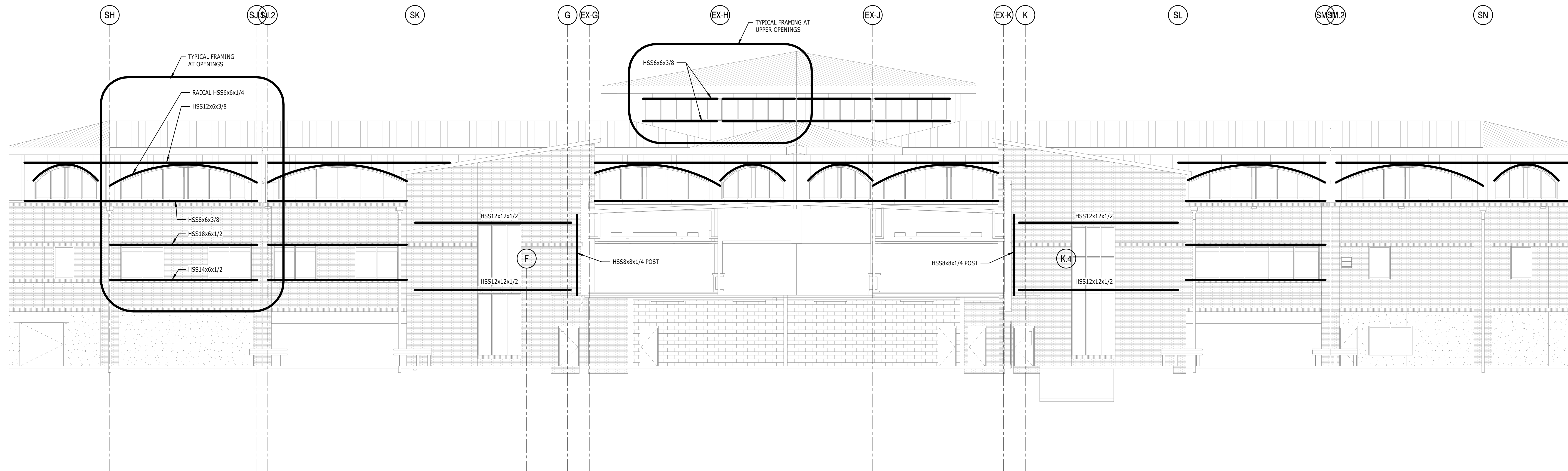


1 HIGH ROOF FRAMING PLAN SCHEDULE 2 ZONE 1

- 1/8" = 1'-0"
- NOTES:
- FOR GENERAL NOTES AND ABBREVIATIONS, SEE S-001.
 - (No) INDICATES TOP OF STEEL ELEVATION ABOVE REFERENCED FINISH FLOOR ELEVATION.
 - D1 INDICATES STEEL DECK SPAN DIRECTION. CONSTRUCTION SHALL BE 1 1/2" 18GA METAL DECK. SEE 1/S-521 FOR TYPICAL ROOF CONSTRUCTION DETAIL.
 - M INDICATES MOMENT CONNECTION, SEE 19/S-511 FOR SCHEDULE.
 - SEE ELEVATIONS ON PLAN FOR VERTICAL FRAME LOCATIONS AND S-211 FOR ELEVATIONS AND DETAILS.
 - FOR TYPICAL ROOF FRAMING DETAILS, SEE S-521.
 - FOR STEEL COLUMN SCHEDULE, SEE 1/S-501.
 - "S" INDICATES BOTTOM FLANGE BEAM BRACING REQUIRED.
 - ** INDICATES BOTTOM CHORD EXTENSION REQUIRED.
 - "A=#K" INDICATES FACTORED AXIAL FORCE IN COLLECTOR BEAM TO BE USED IN CONNECTION DESIGN.
 - "B/DECK (+#-#)" INDICATES BOTTOM OF DECK ELEVATION FROM REFERENCED FINISH FLOOR ELEVATION.
 - "TRUSS #*" INDICATES TRUSS TYPE. SEE S200 SERIES FOR ELEVATIONS.
 - ALL EXPOSED STRUCTURAL STEEL (COLUMNS, ROOF TRUSSES, TRUSS BEARING & ETC) SHALL BE CONSIDERED AESS.
 - D2 INDICATES STEEL DECK SPAN DIRECTION. CONSTRUCTION SHALL BE 1 1/2" 18GA METAL DECK. SEE 1/S-521 FOR TYPICAL ROOF CONSTRUCTION DETAIL.



1 SOUTH ELEVATION
S-201 1/8" = 1'-0"

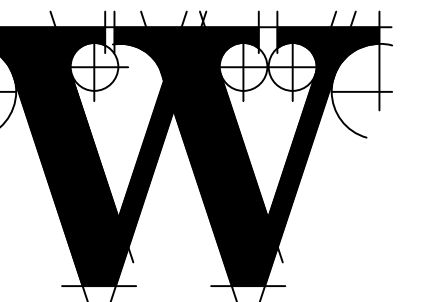
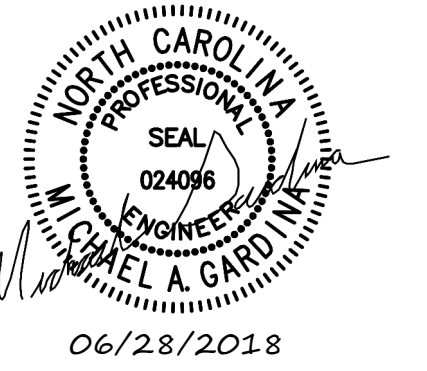


2 NORTH ELEVATION
S-201 1/8" = 1'-0"



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FPI/PME ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

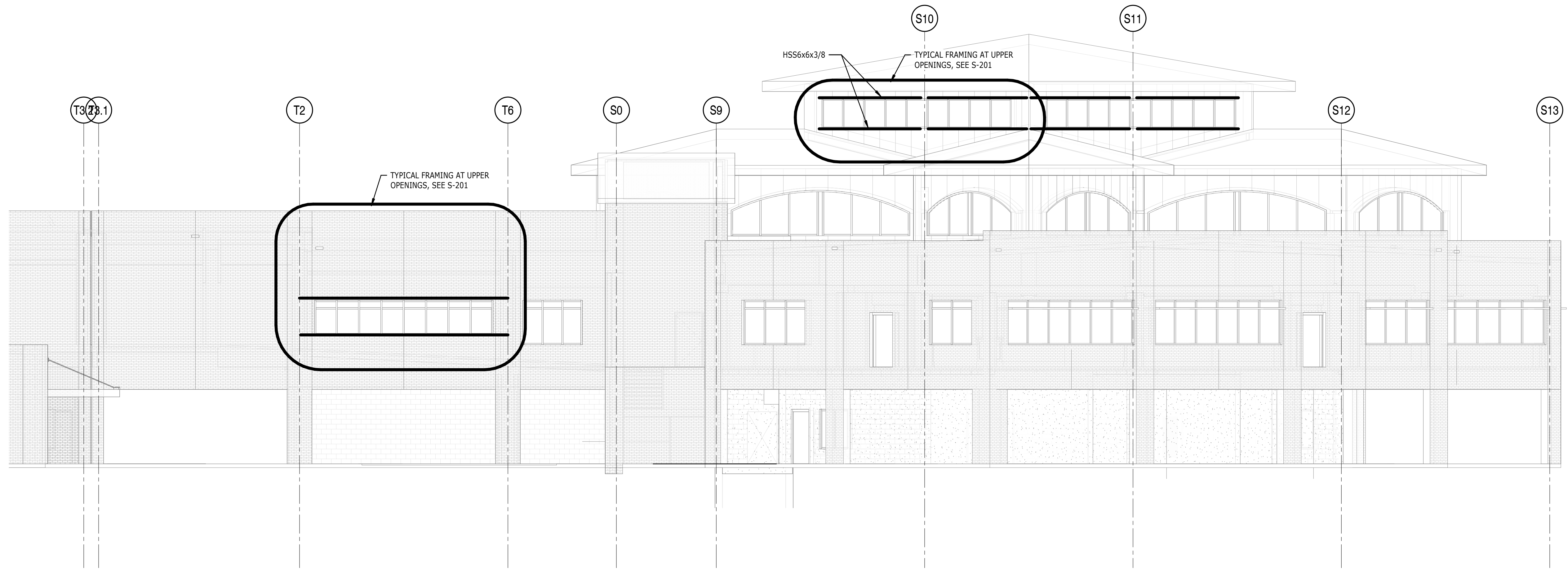
PRINTED OR ELECTRONIC DRAWINGS AND
DOCUMENTATION MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT WRITTEN PERMISSION
FROM THE WILSON GROUP ARCHITECTS

REVISIONS

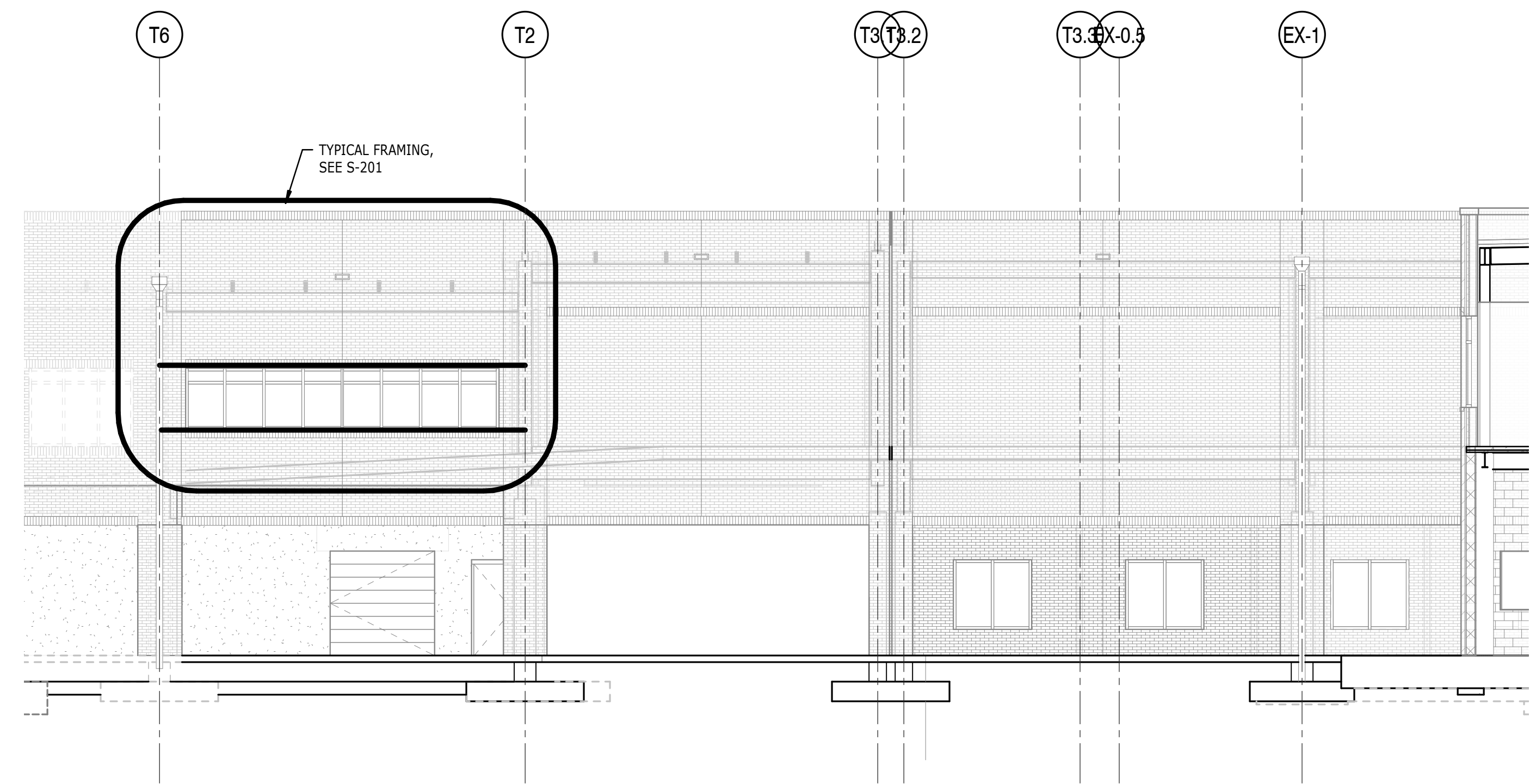
DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

STRUCTURAL ELEVATIONS

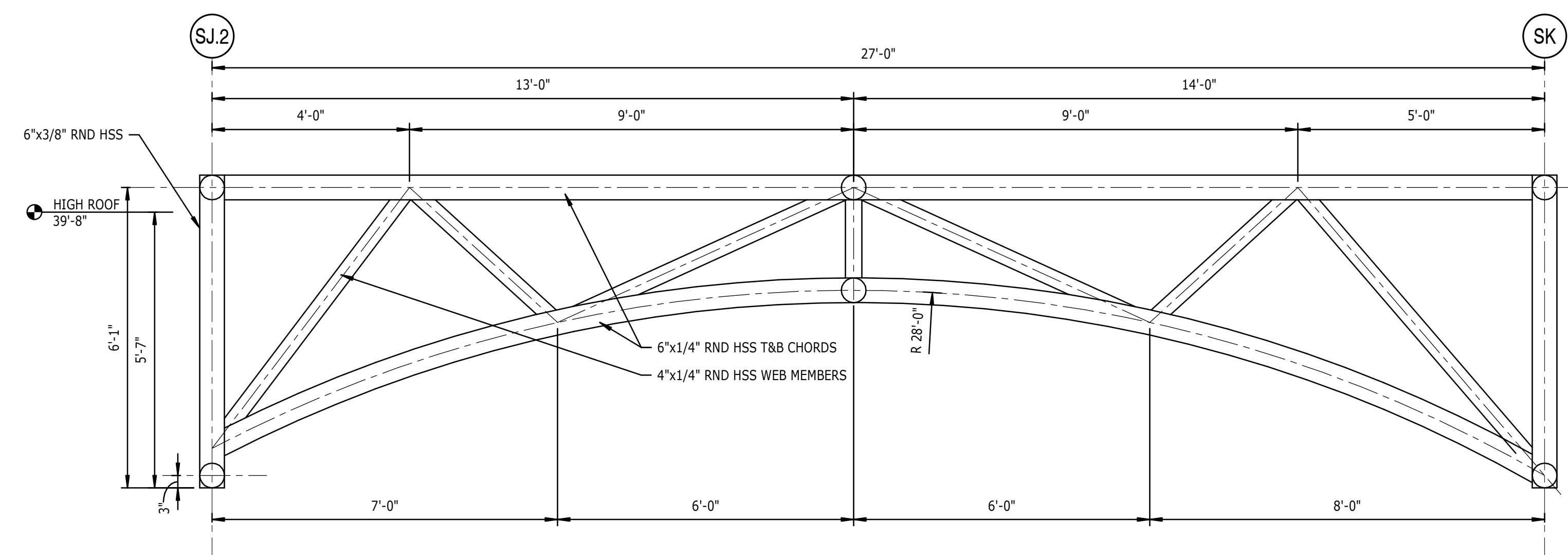
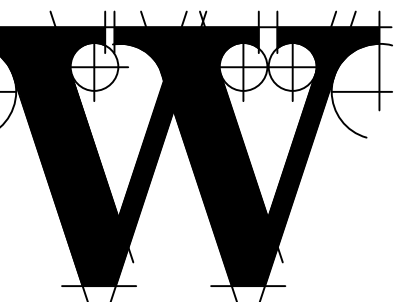
SHEET NUMBER
S-202



1 WEST ELEVATION
S-202 1/8" = 1'-0"

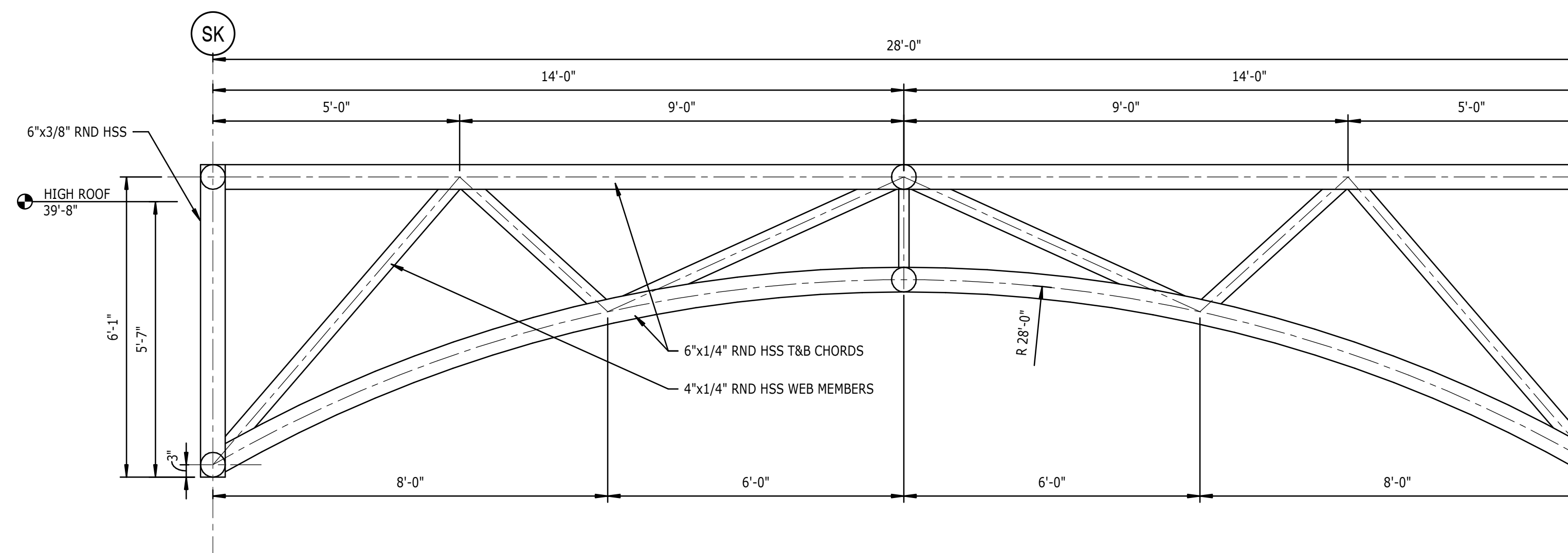


2 EAST ELEVATION SCHEDULE 2
S-202 1/8" = 1'-0"



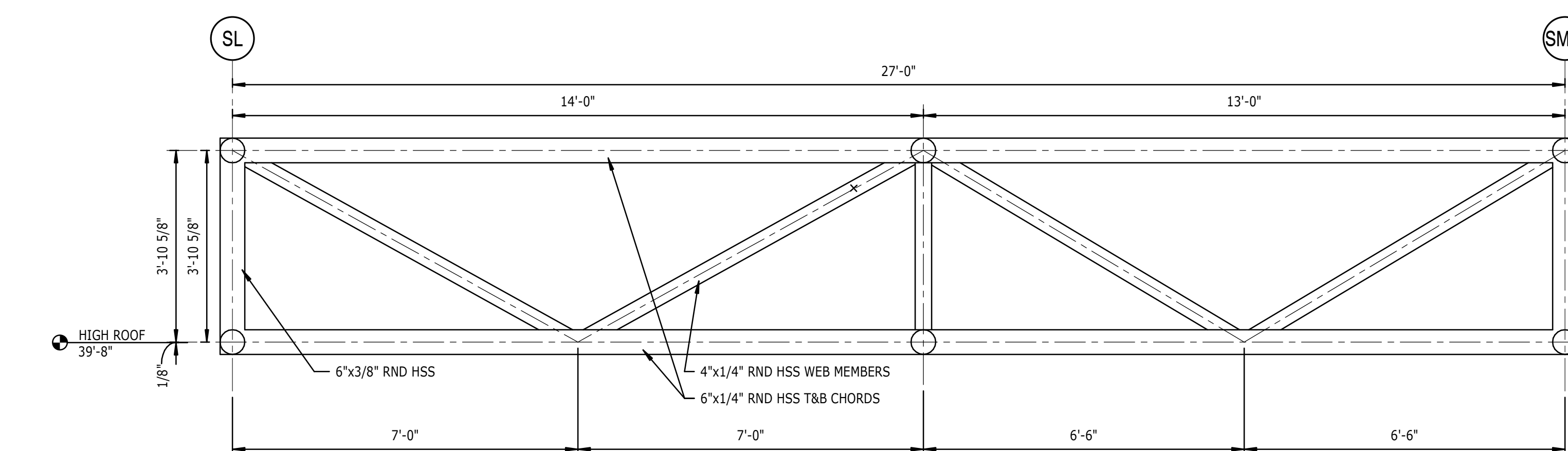
4 TRUSS T3 ELEVATION

S-203 1/2" = 1'-0"



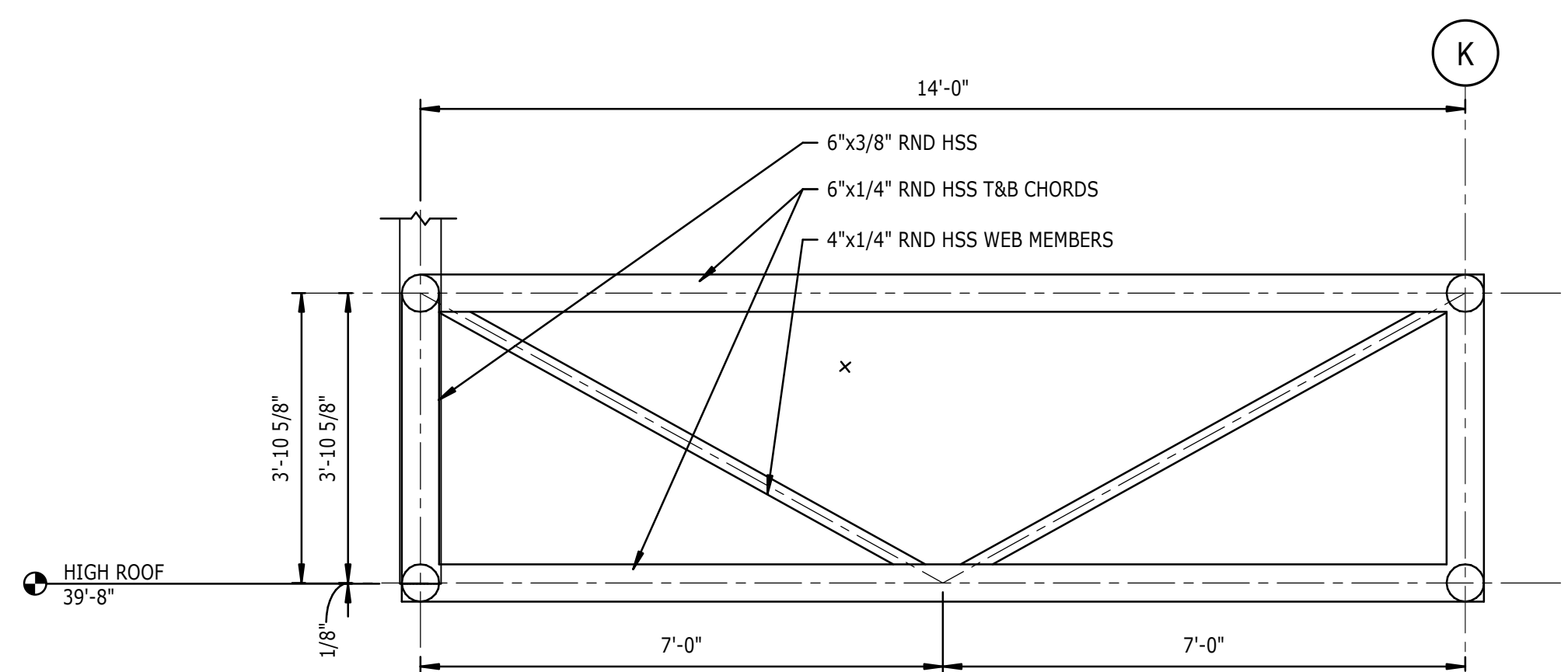
5 TRUSS T4 ELEVATION

S-203 1/2" = 1'-0"



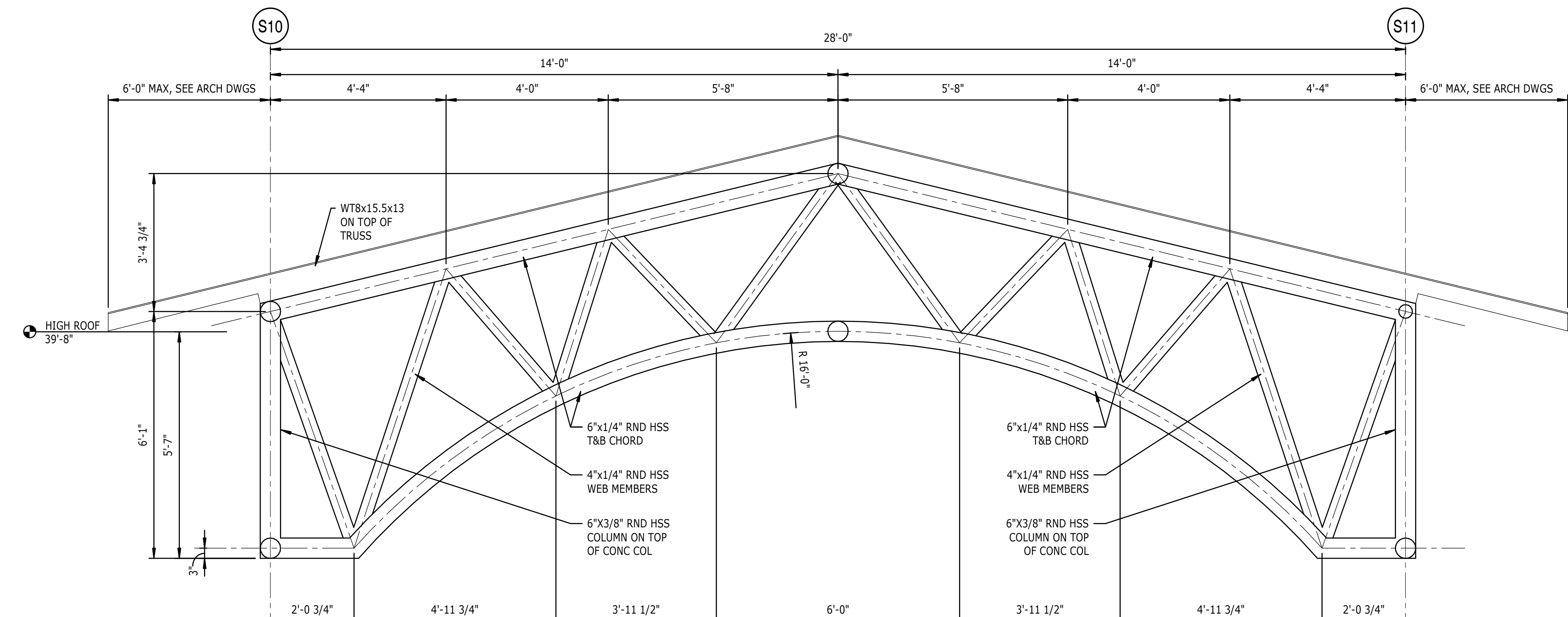
6 TRUSS T10 ELEVATION

S-203 1/2" = 1'-0"



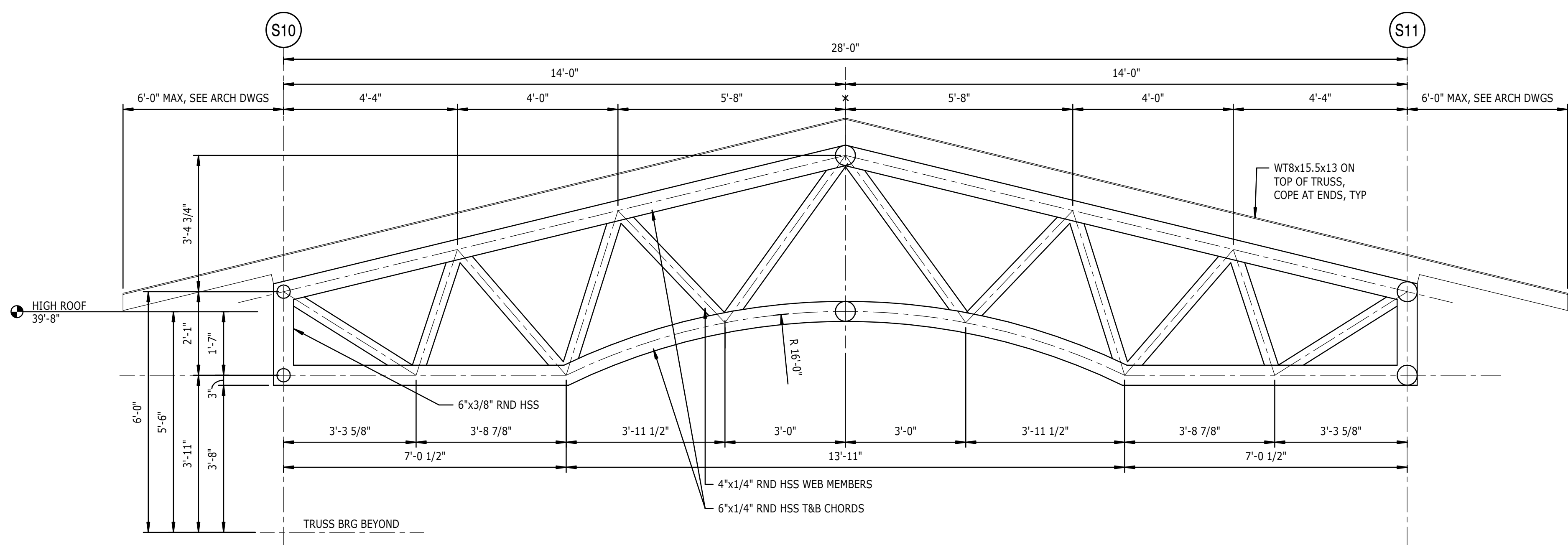
7 TRUSS T11 ELEVATION

S-203 1/2" = 1'-0"



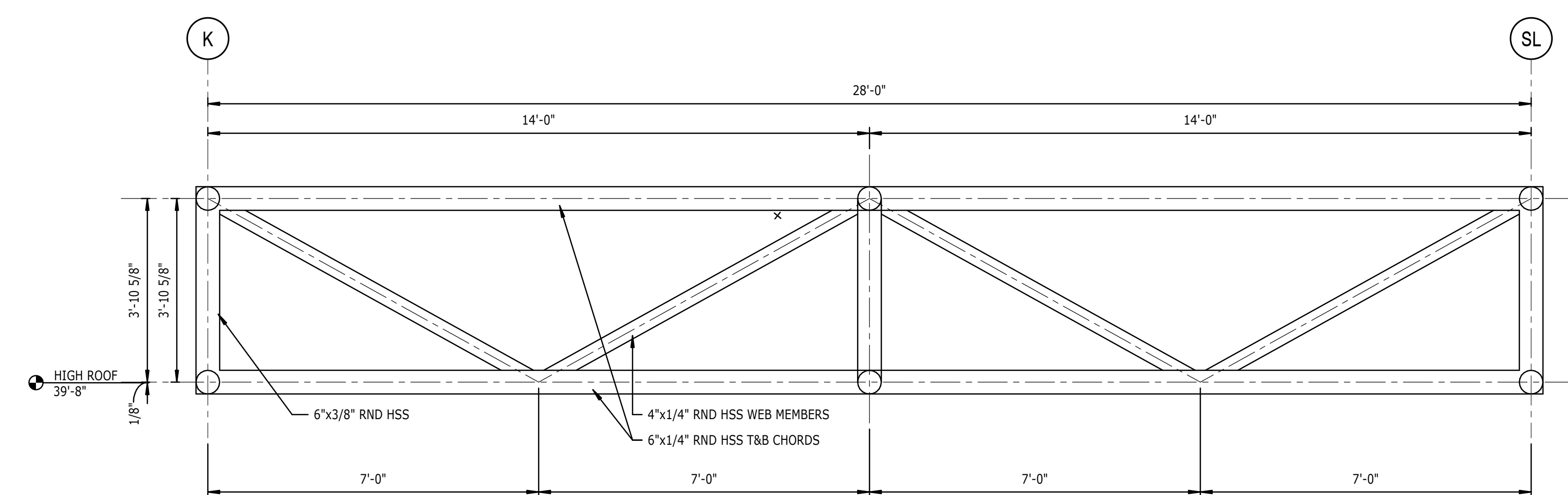
1 TRUSS T1 ELEVATION

S-203 1/2" = 1'-0"



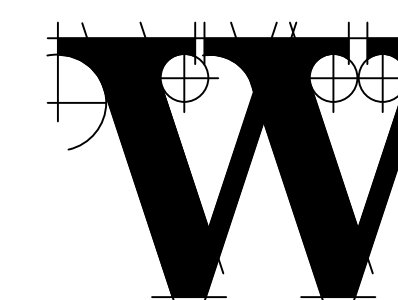
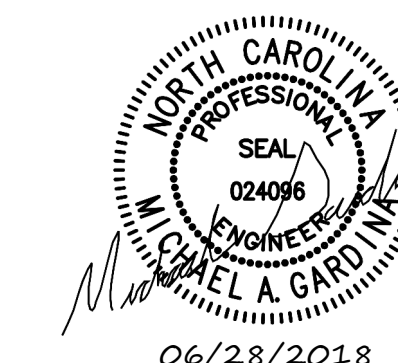
2 TRUSS T2 ELEVATION

S-203 1/2" = 1'-0"



3 TRUSS T9 ELEVATION

S-203 1/2" = 1'-0"



THE WILSON GROUP
ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FPI/P/ME ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
PRINTED OR ELECTRONIC DRAWINGS AND
DOCUMENTATION MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT WRITTEN PERMISSION
FROM THE WILSON GROUP ARCHITECTS

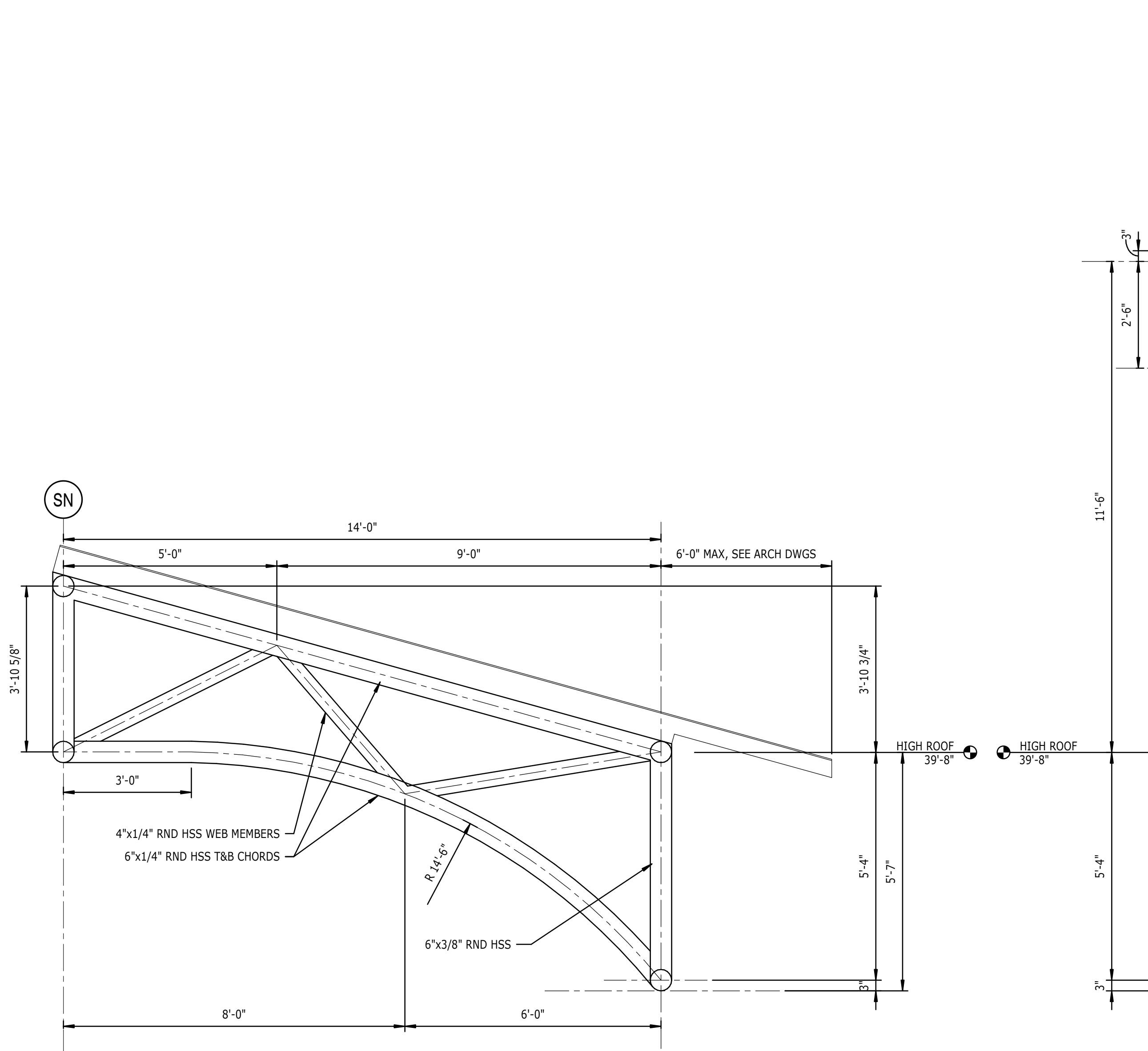
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

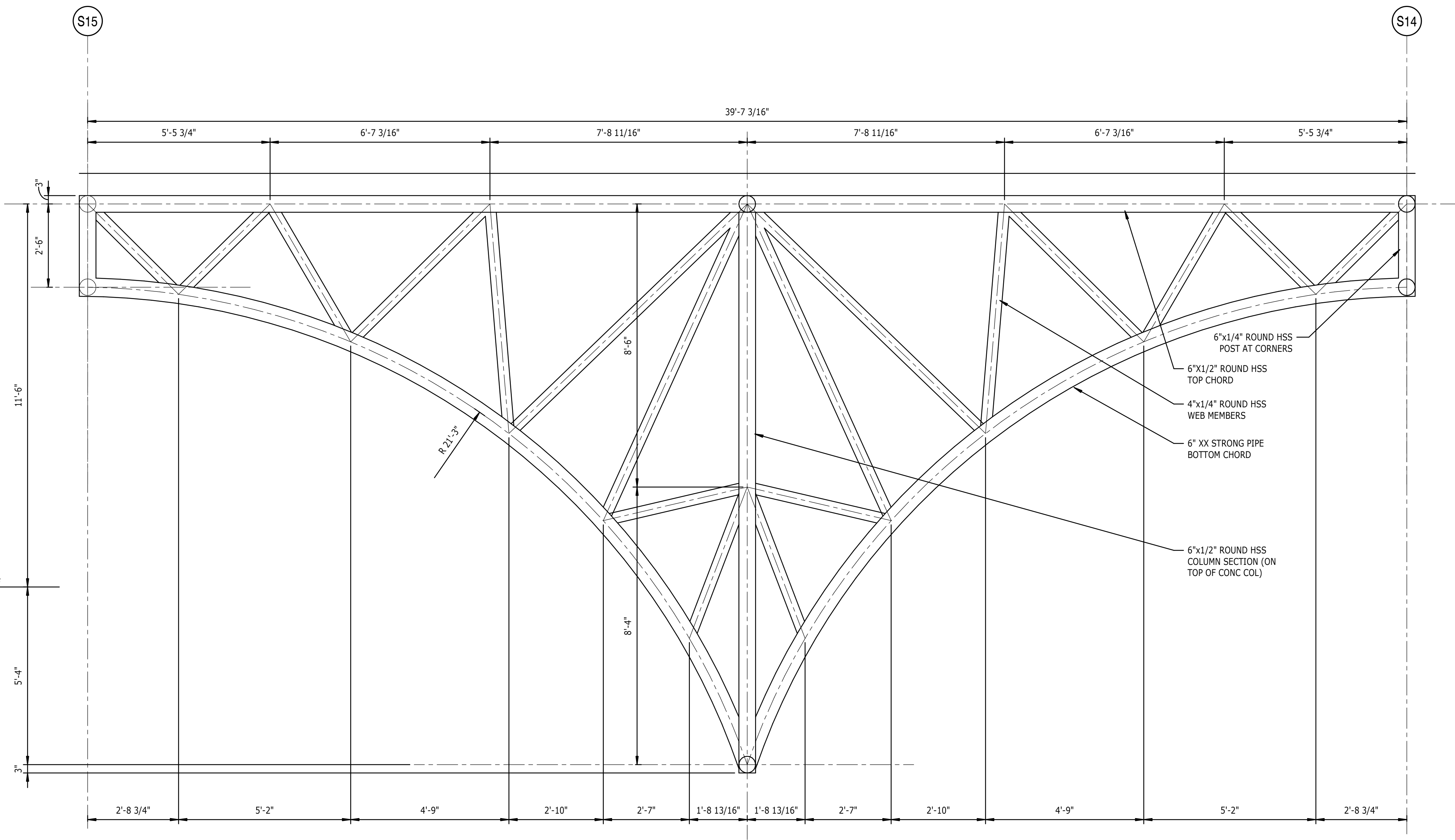
STRUCTURAL ELEVATIONS

SHEET NUMBER

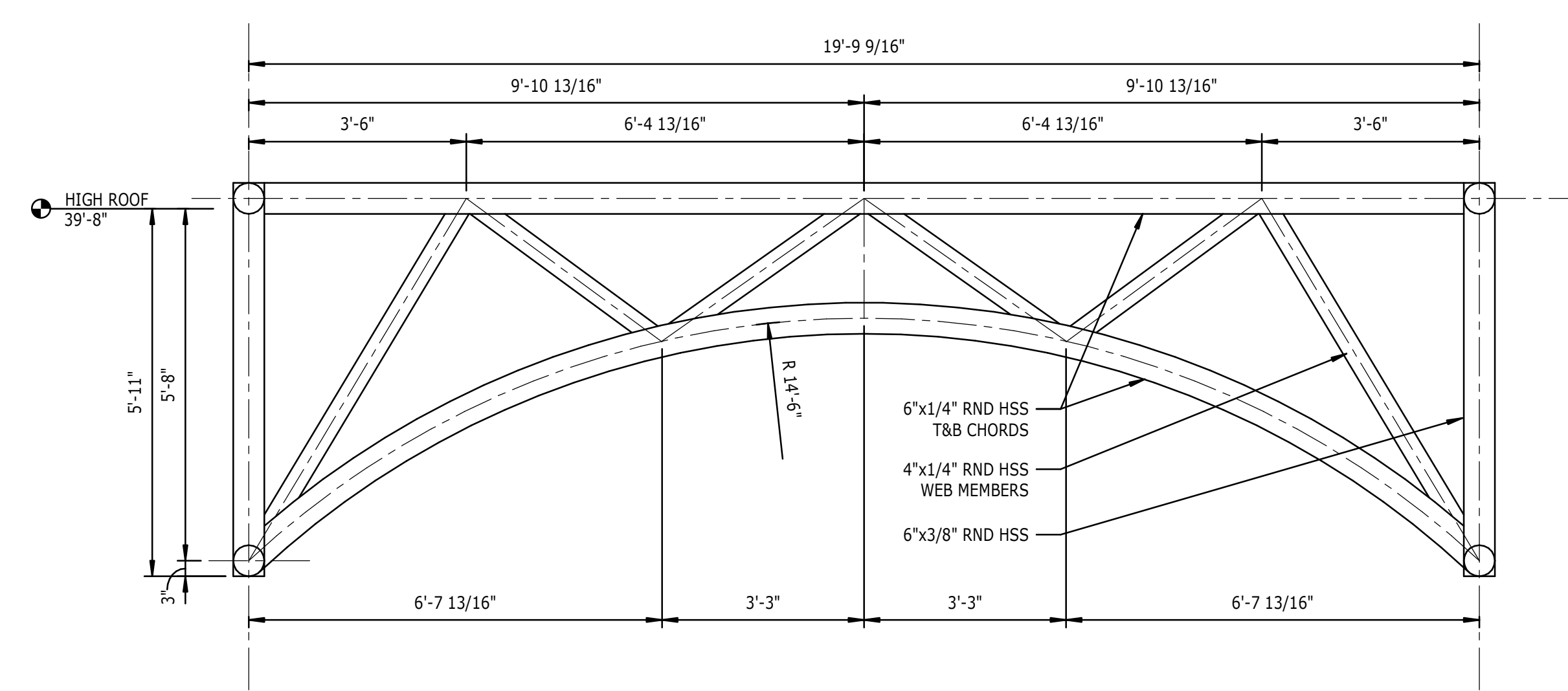
S-204



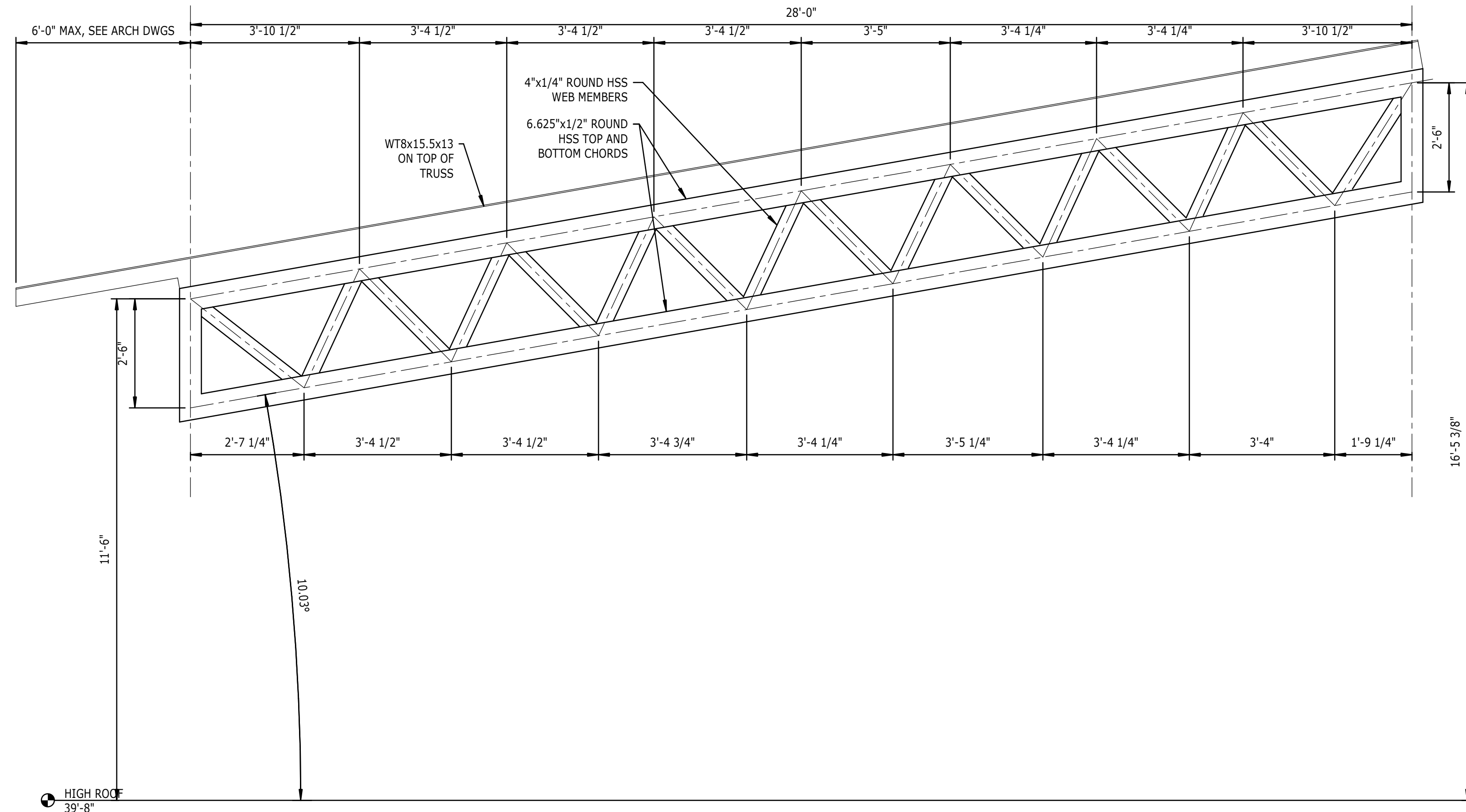
3 TRUSS T12 ELEVATION
S-204 1/2" = 1'-0"



1 TRUSS T6 ELEVATION
S-204 1/2" = 1'-0"



4 TRUSS T13 ELEVATION
S-204 1/2" = 1'-0"

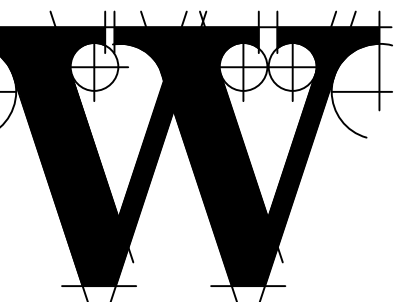


2 TRUSS T8 ELEVATION
S-204 1/2" = 1'-0"



TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405



THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FP/PM/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

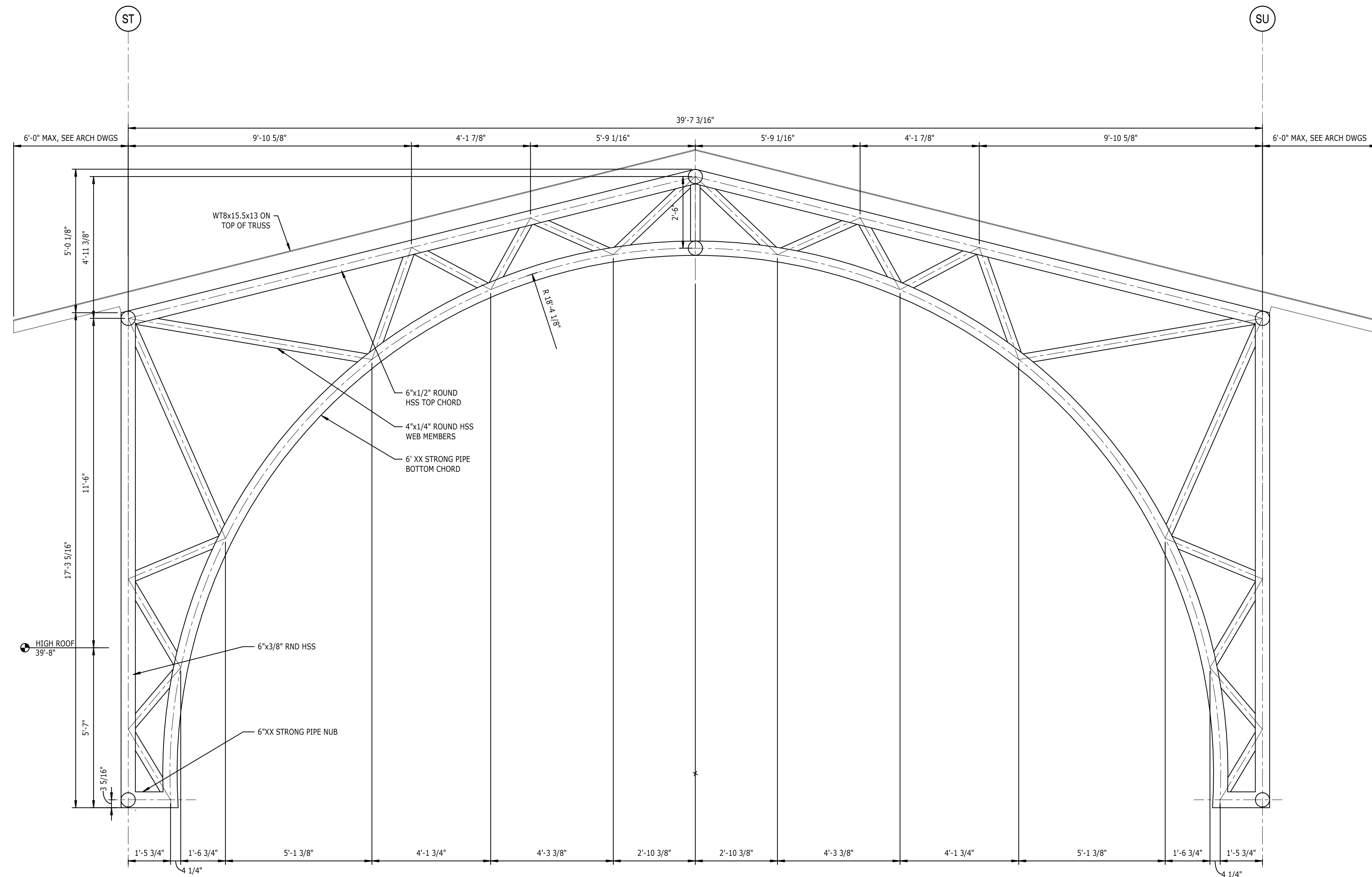
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

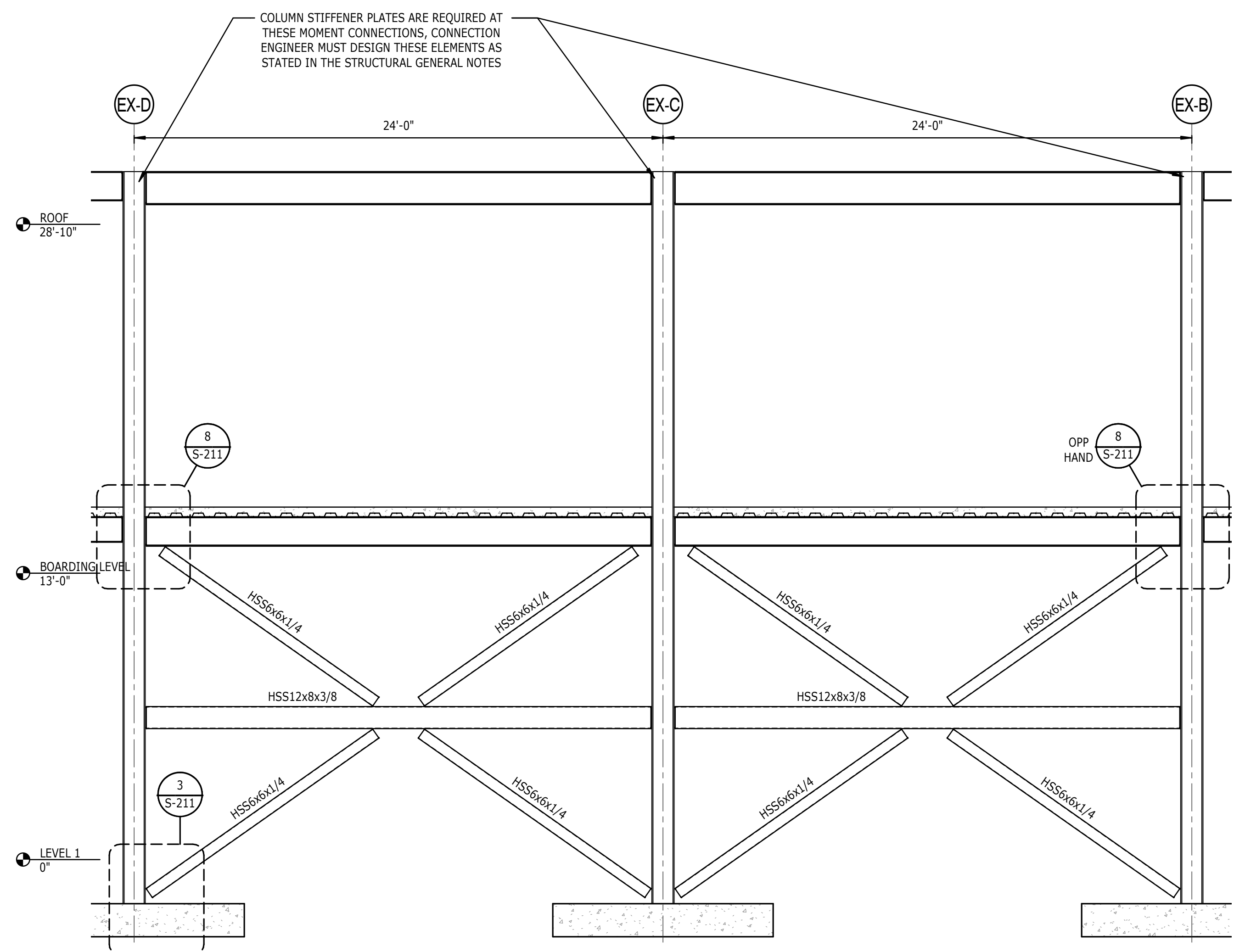
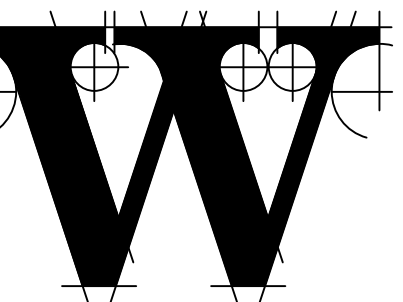
DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

STRUCTURAL ELEVATIONS

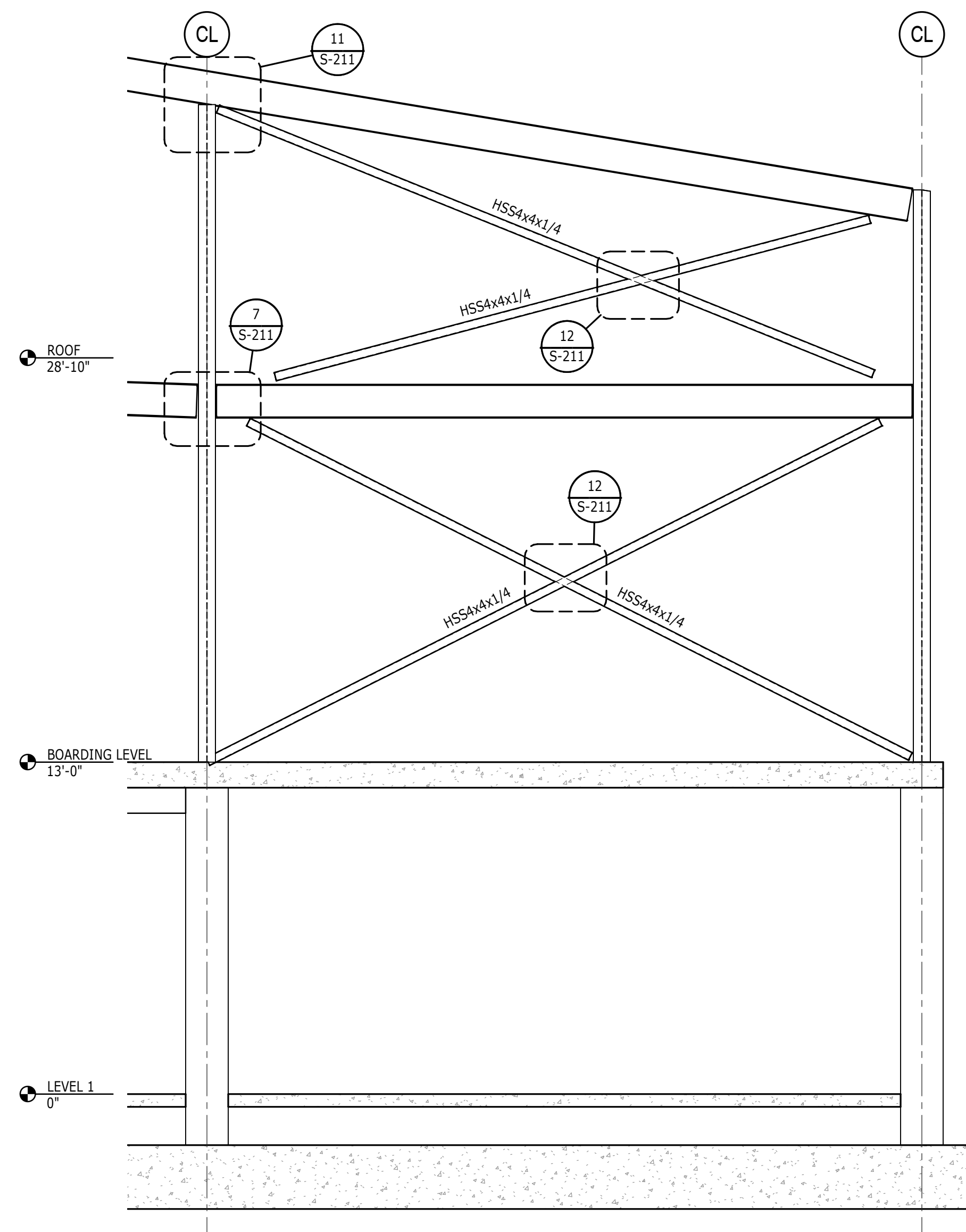
SHEET NUMBER
S-205



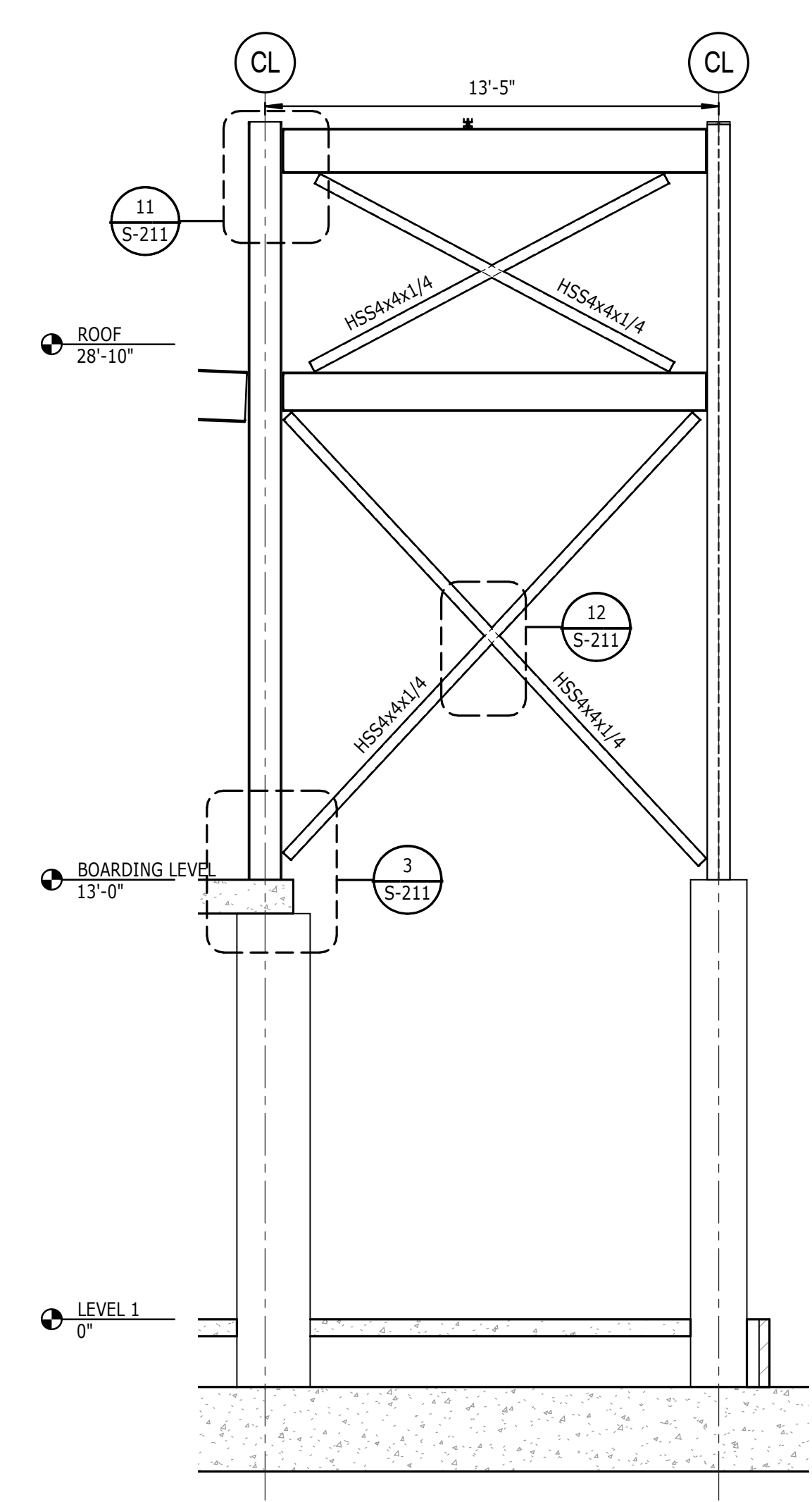
1 TRUSS T7 ELEVATION
S-205 1/2" = 1'-0"



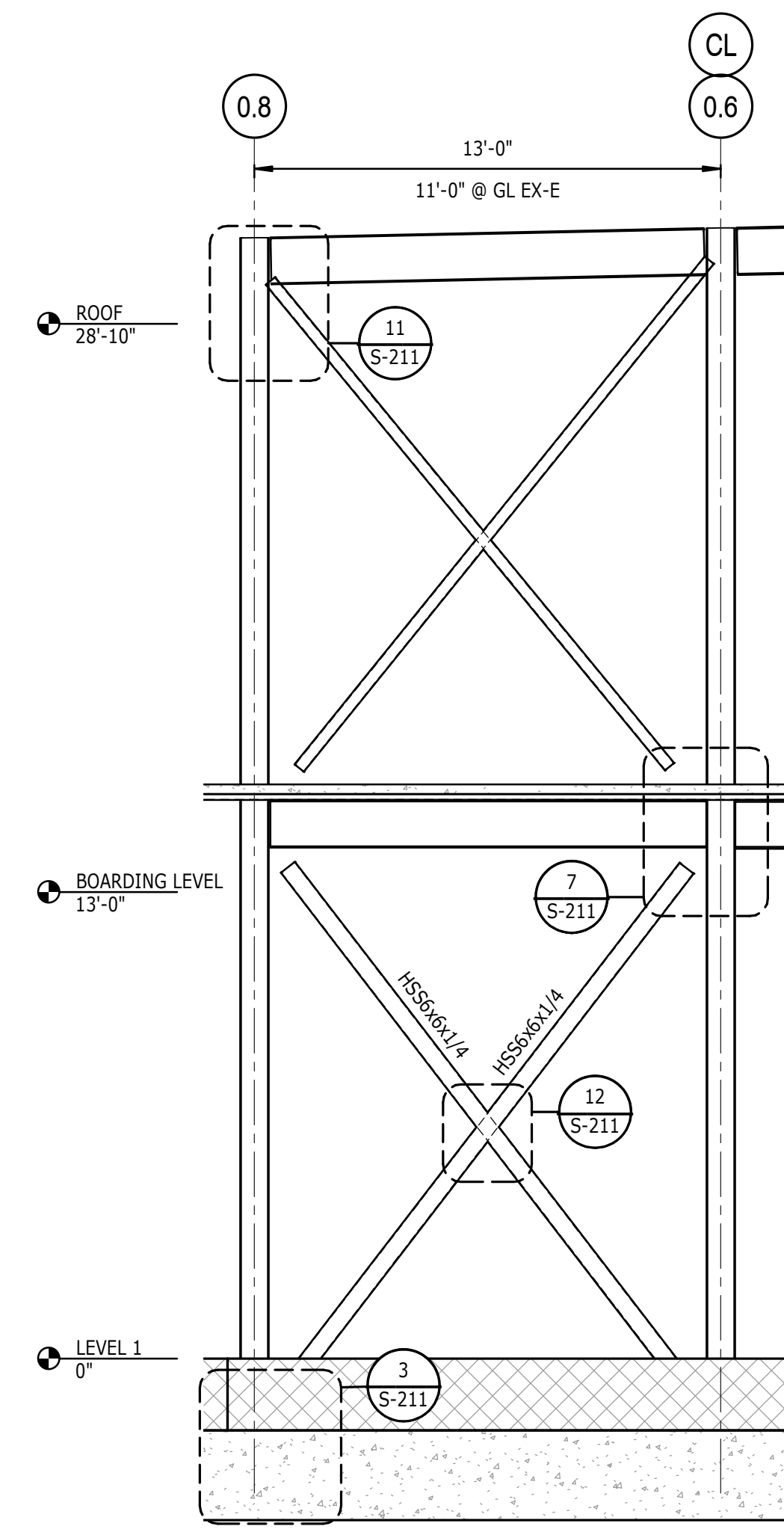
13 VF#3 ALONG GL 0.8
S-211 1/4" = 1'-0"



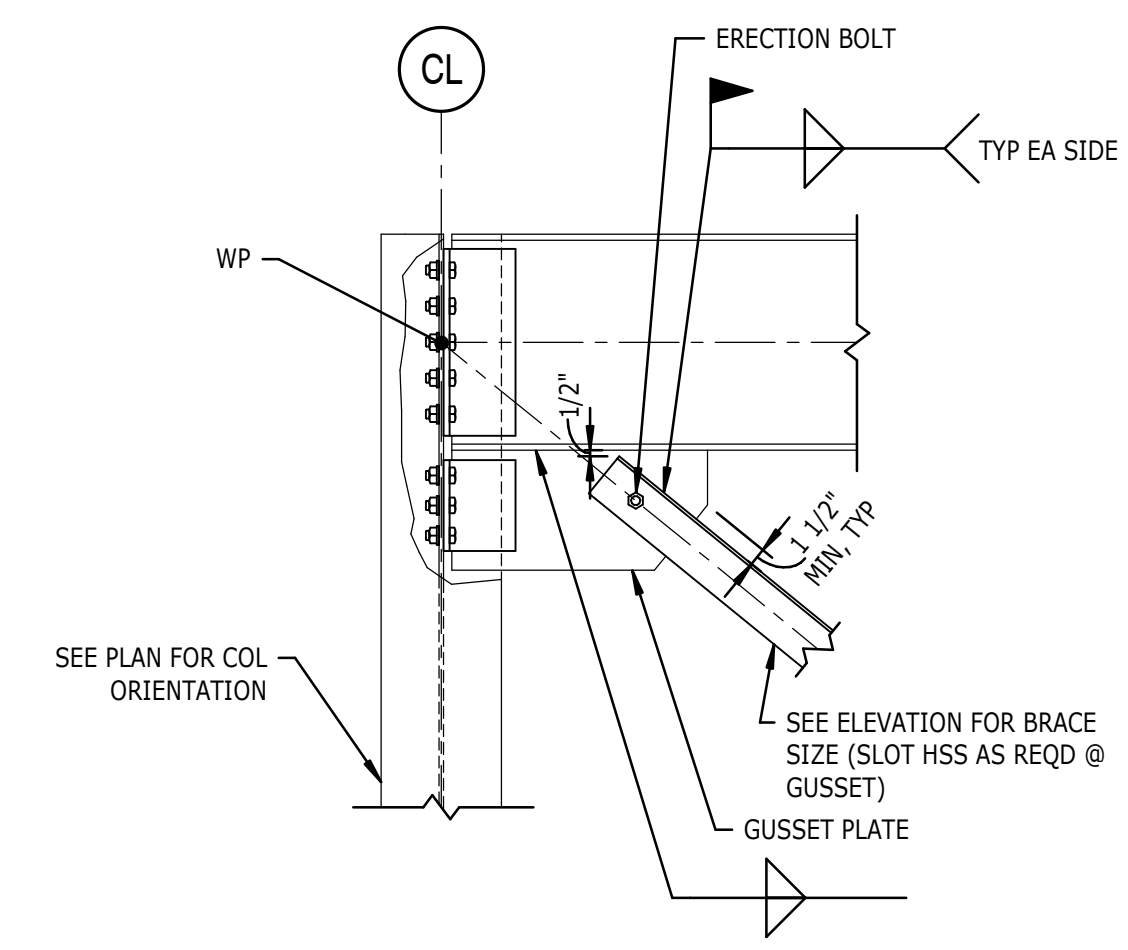
5 VF#2 ALONG GL-S9
S-211 1/4" = 1'-0"



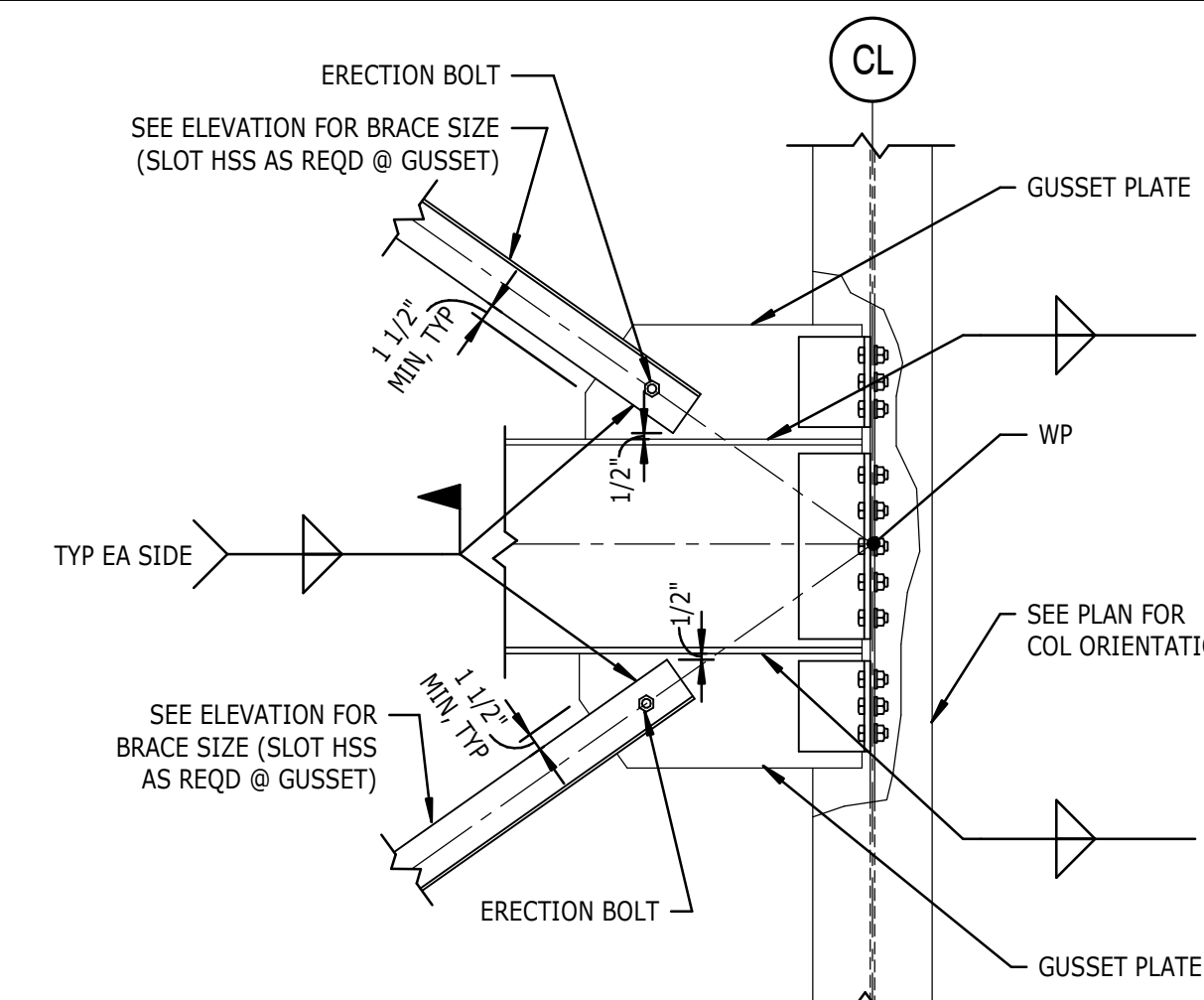
1 VF#1 ALONG GL-SK & GL-SL
S-211 1/4" = 1'-0"



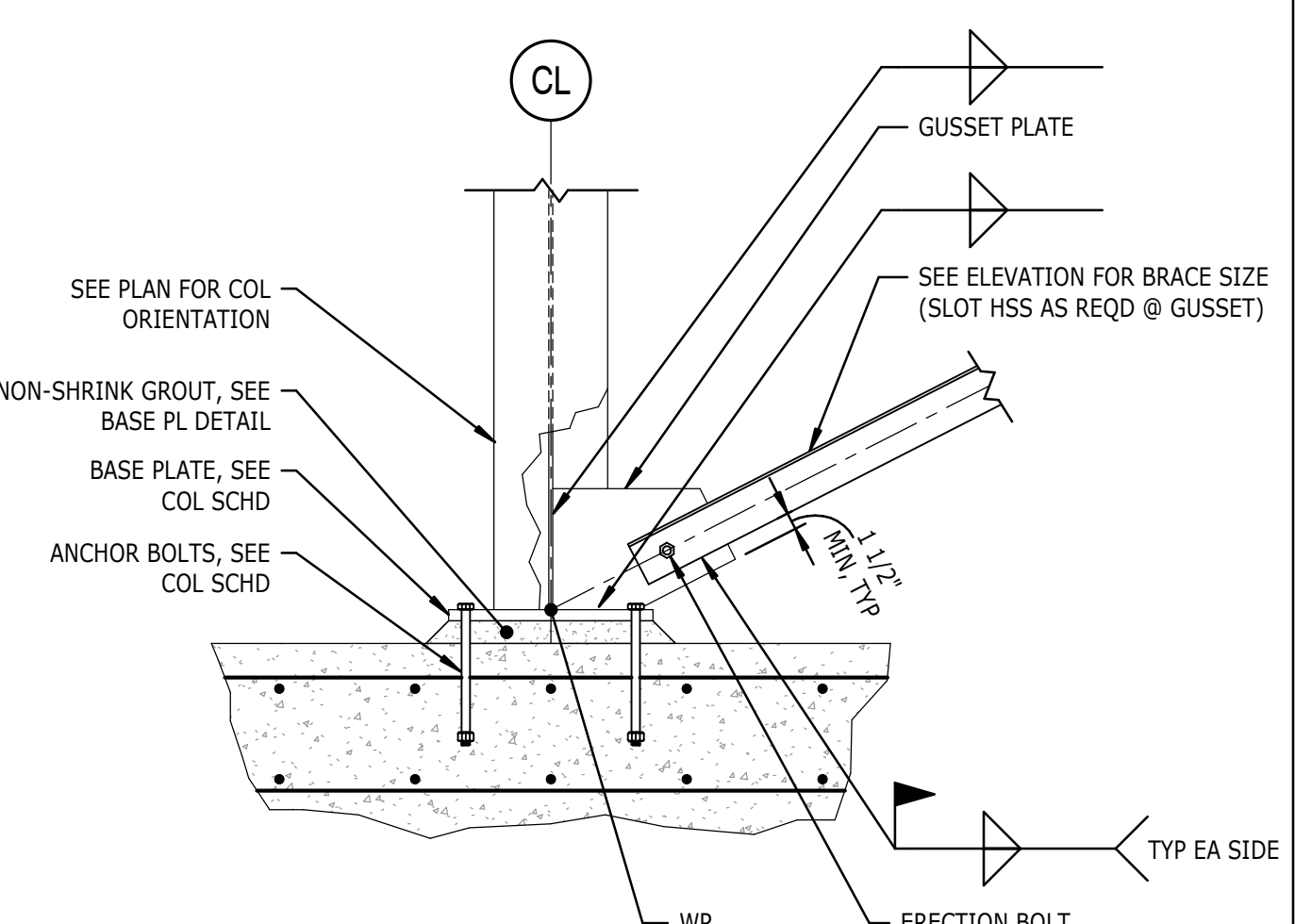
15 VF#4 ALONG GL EX-A AND EX-C
S-211 1/4" = 1'-0"



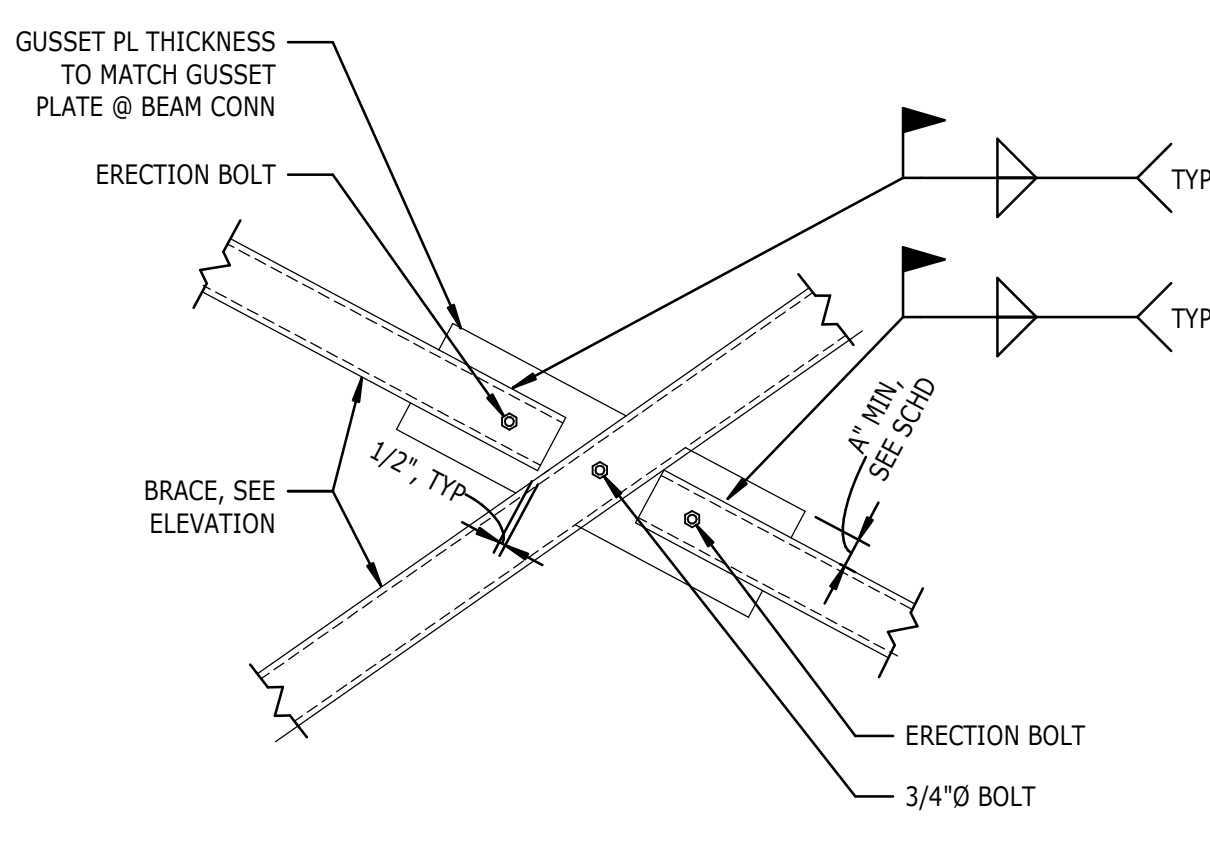
11 SECTION
S-211 TYPICAL BRACE CONNECTION AT BEAM
NTS
NOTES:
1. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.



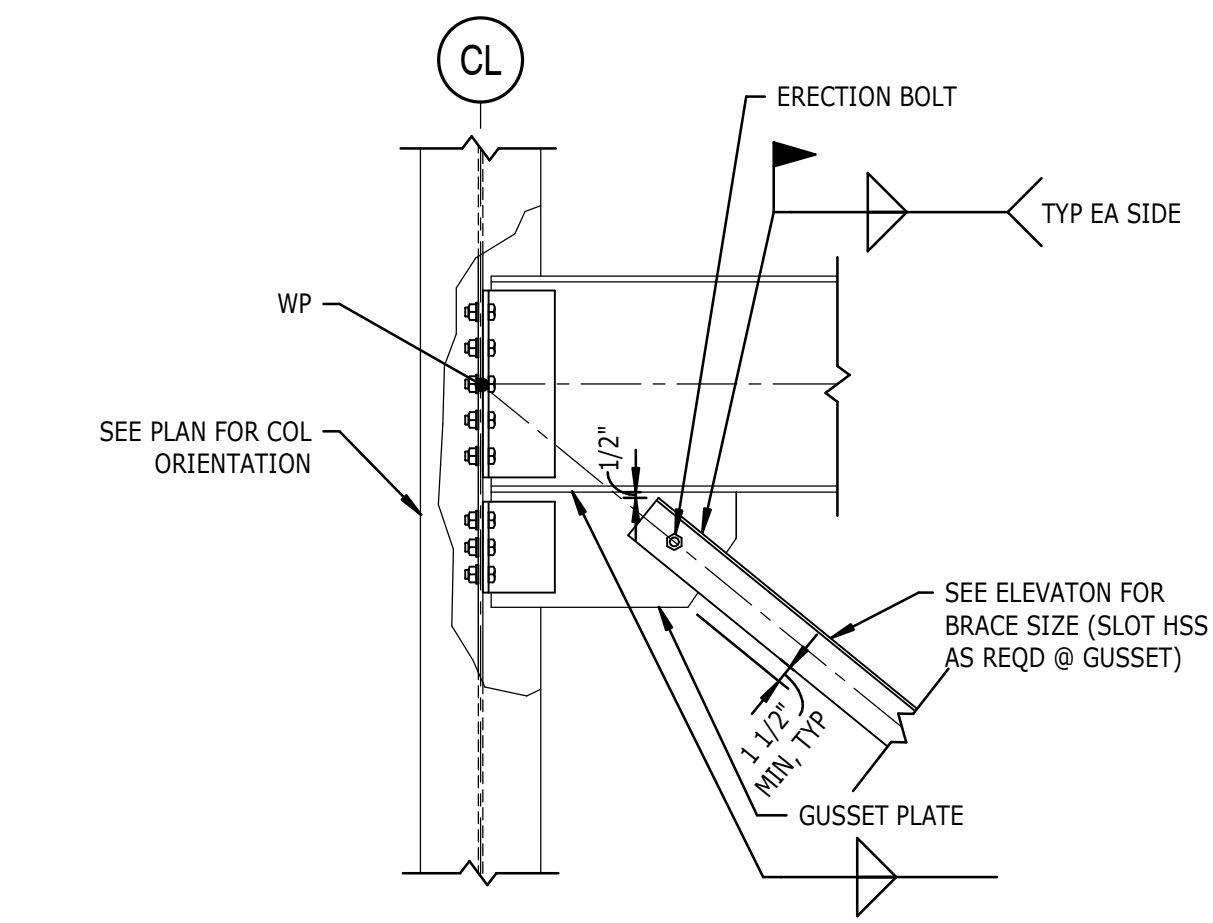
7 SECTION
S-211 TYPICAL BRACE CONNECTION AT BEAM
NTS
NOTES:
1. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.



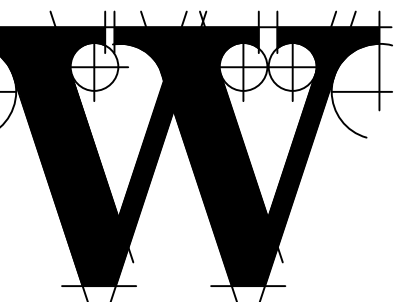
3 SECTION
S-211 TYPICAL BRACE CONNECTION AT SLAB
NTS
NOTES:
1. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.



12 SECTION
S-211 TYPICAL BRACE INTERSECTION, DOUBLE ANGLE
NTS
NOTES:
FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.



8 SECTION
S-211 TYPICAL BRACE CONNECTION AT BEAM
NTS
NOTES:
1. FABRICATOR SHALL DESIGN ALL BEAM TO COLUMN CONNECTIONS, GUSSET PLATES, AND WELDS WITHIN VERTICAL FRAME TO SUPPORT THE HORIZONTAL AND VERTICAL COMPONENTS OF THE BRACE FORCE PLUS THE BEAM REACTION SHOWN ON THE ELEVATION. ALLOWABLE STRESS INCREASES OR LOAD REDUCTIONS ARE NOT PERMITTED.



THE WILSON GROUP
- ARCHITECTS -

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FPI/PME ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

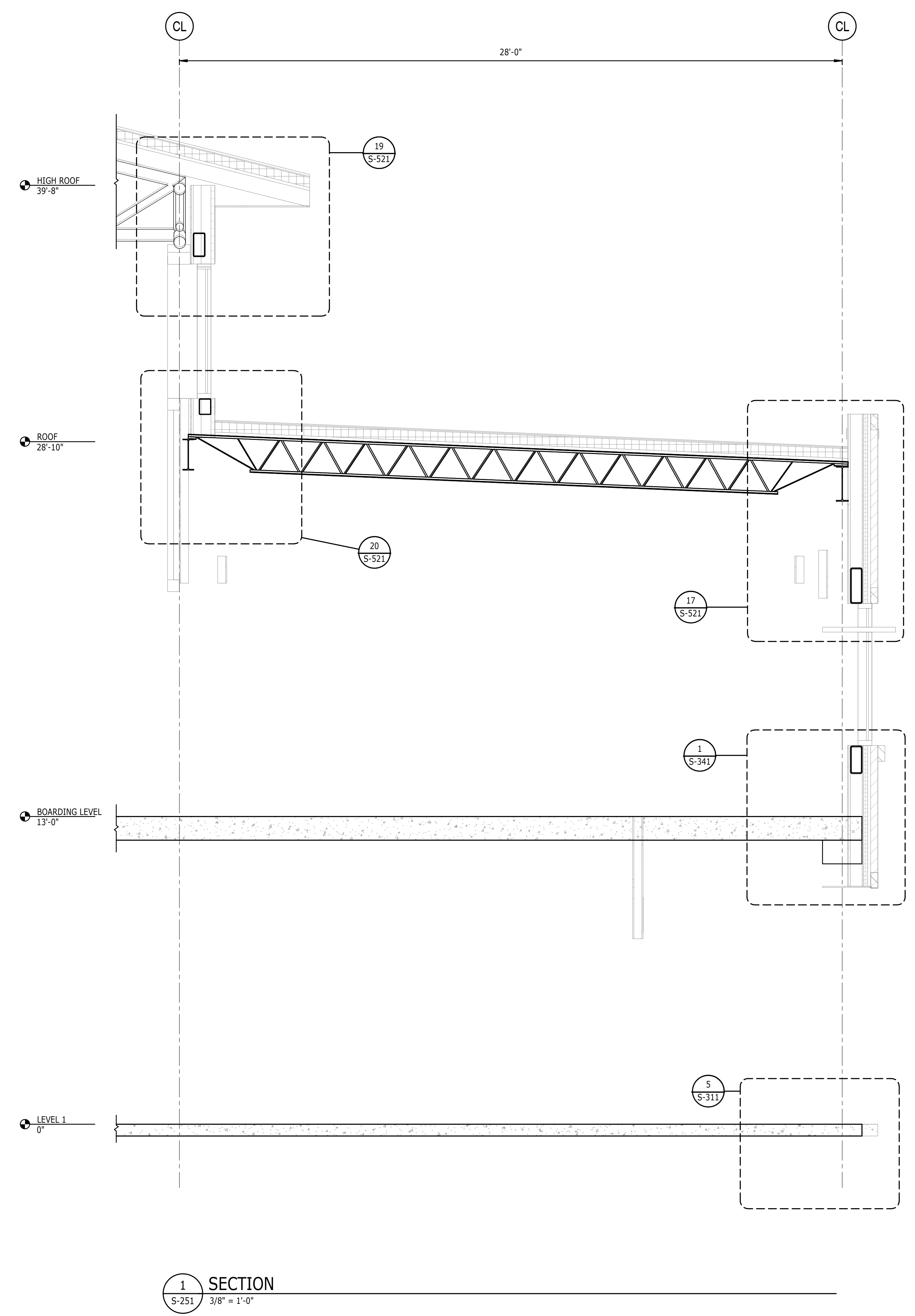
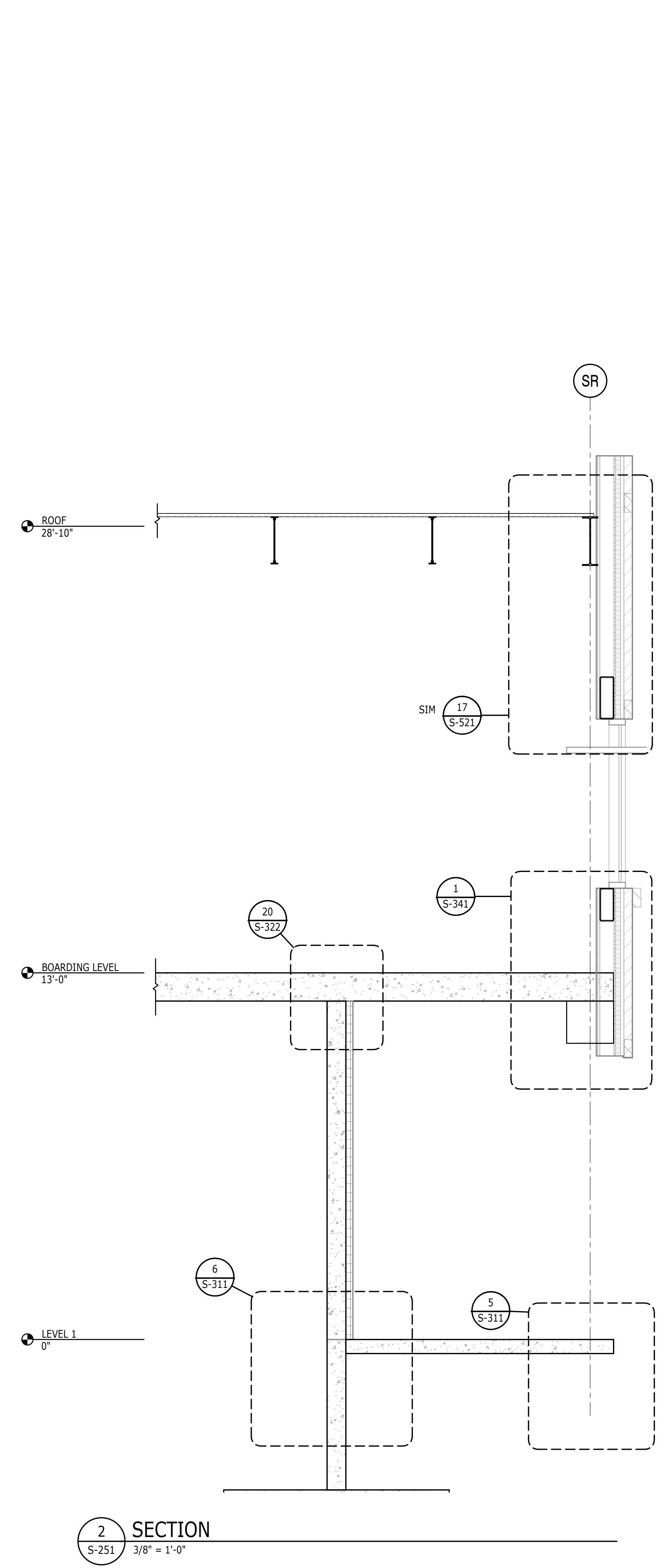
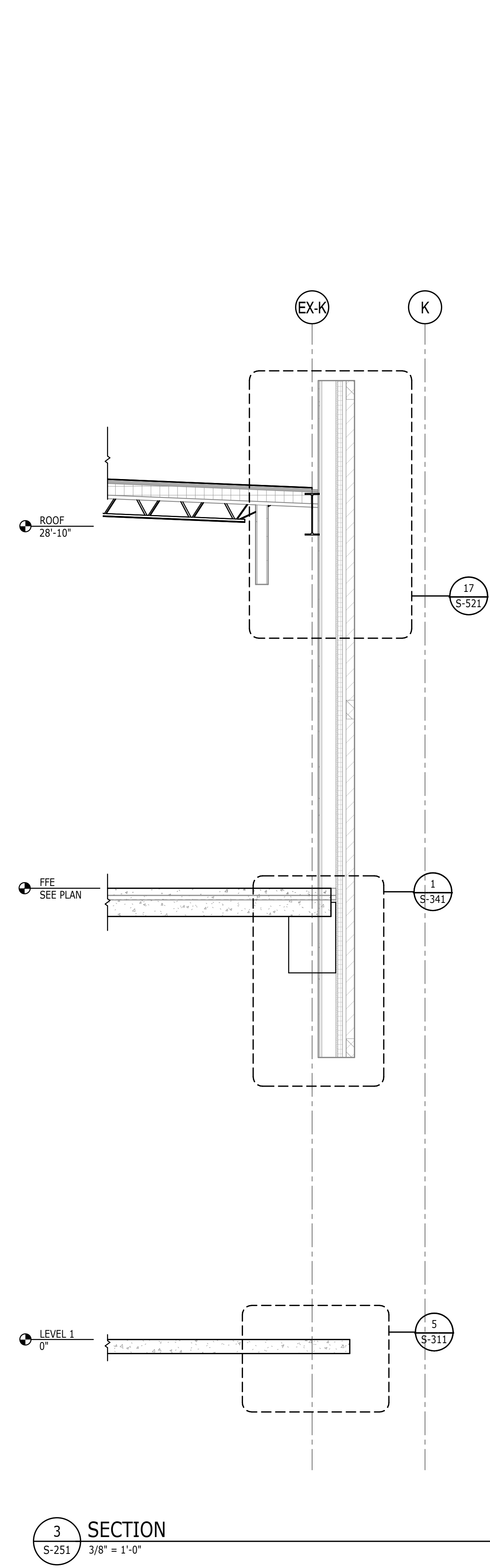
PRINTED OR ELECTRONIC DRAWINGS AND
DOCUMENTATION MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT WRITTEN PERMISSION
FROM THE WILSON GROUP ARCHITECTS

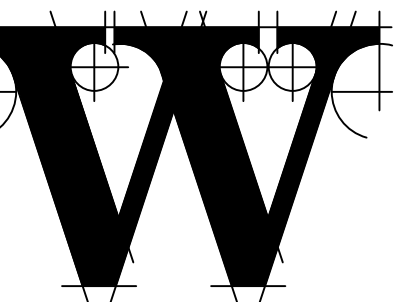
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

**STRUCTURAL
WALL SECTIONS**

SHEET NUMBER
S-251





THE WILSON GROUP
- ARCHITECTS -

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FPI/P/ME ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

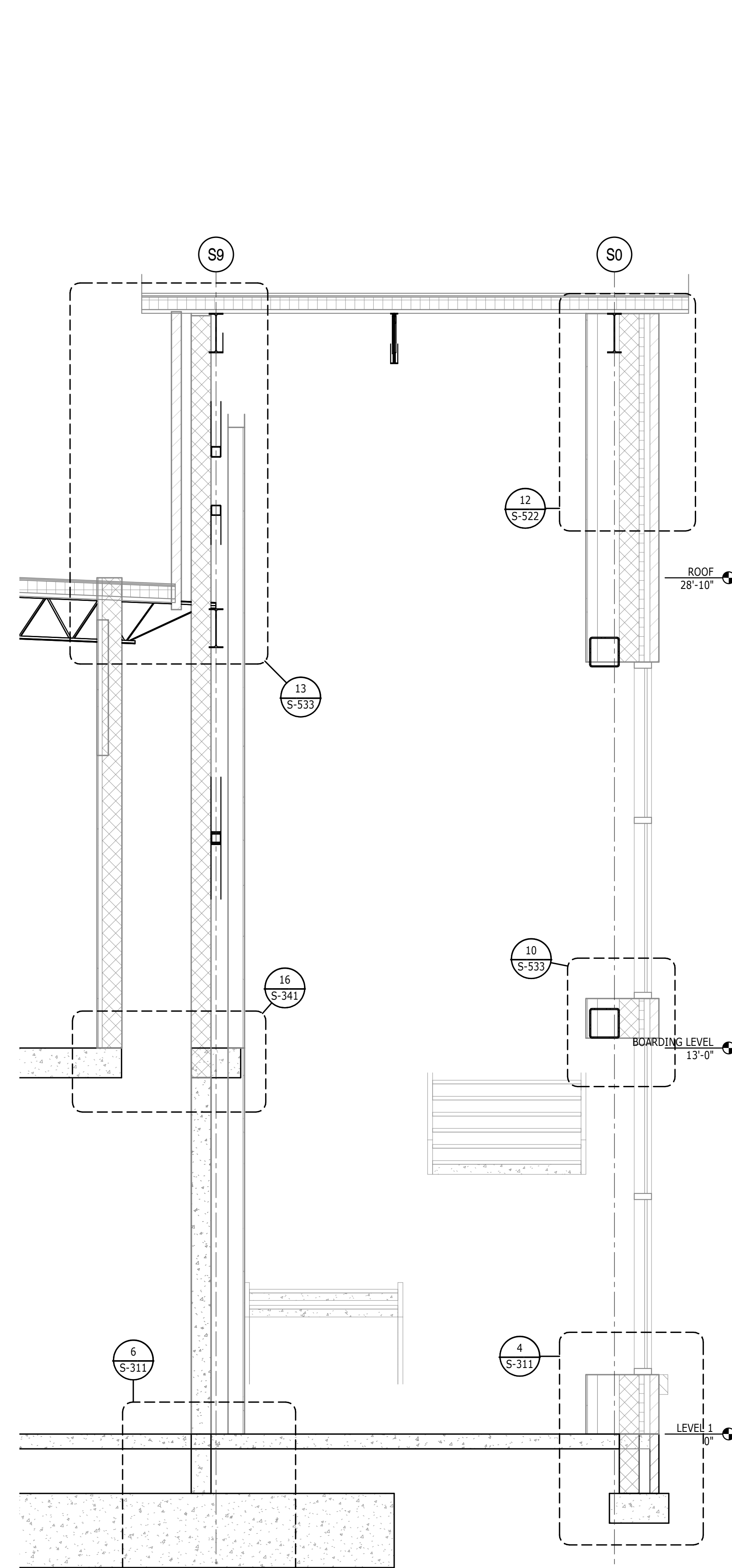
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

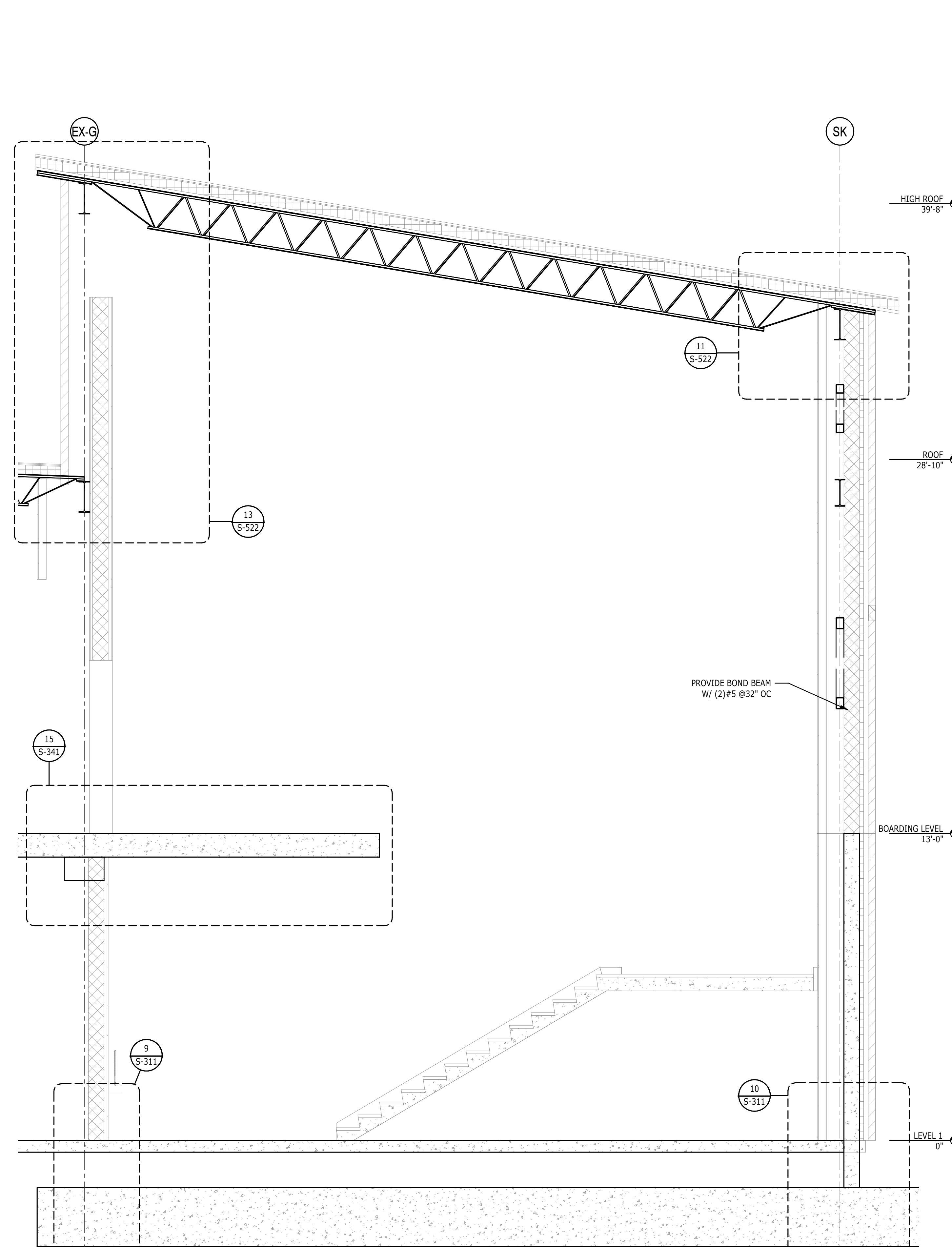
DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

STRUCTURAL WALL SECTIONS

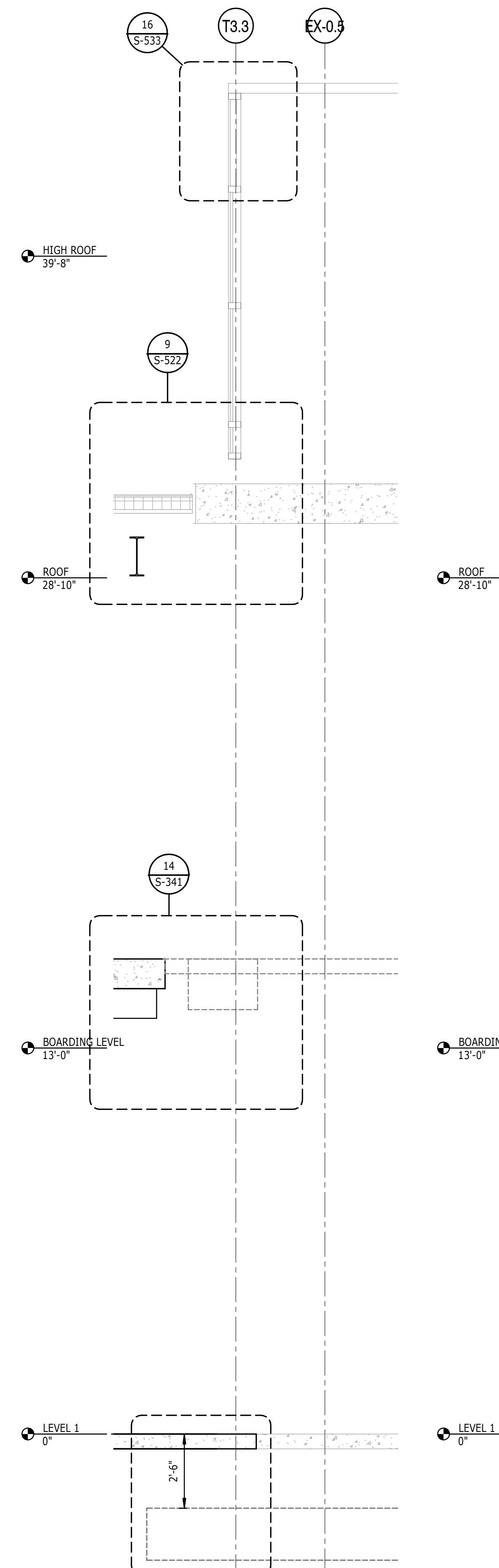
SHEET NUMBER
S-252



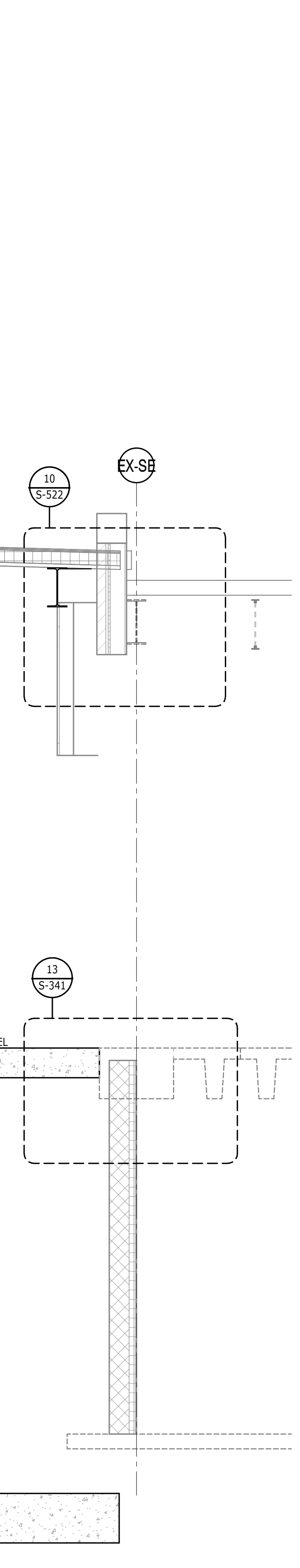
4 SECTION
S-252 3/8" = 1'-0"



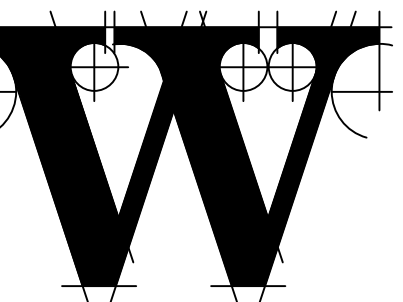
3 SECTION
S-252 3/8" = 1'-0"



2 SECTION
S-252 3/8" = 1'-0"



1 SECTION
S-252 3/8" = 1'-0"



THE WILSON GROUP
- ARCHITECTS -

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT

CONSULTING ARCHITECT

LS3P

STRUCTURAL ENGINEER

FIRM LICENSE #C-1051

STEWART

FP/PM/E ENGINEER

CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS

BNP

AIRCRAFT SUPPORT SYSTEMS

DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT

HARTRANFT

SINGAGE & WAYFINDING

TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

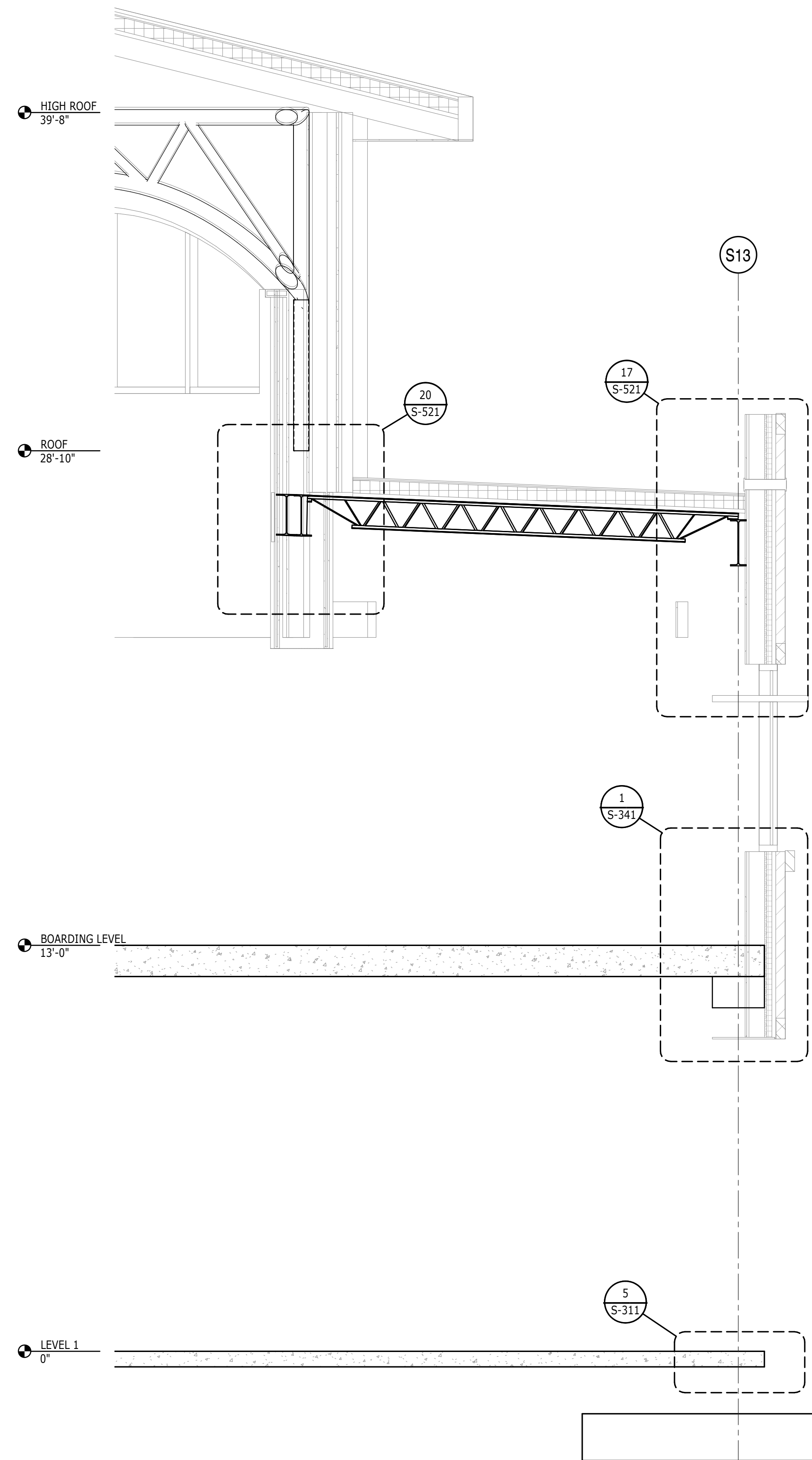
PRINTED OR ELECTRONIC DRAWINGS AND
DOCUMENTATION MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT WRITTEN PERMISSION
FROM THE WILSON GROUP ARCHITECTS

REVISIONS

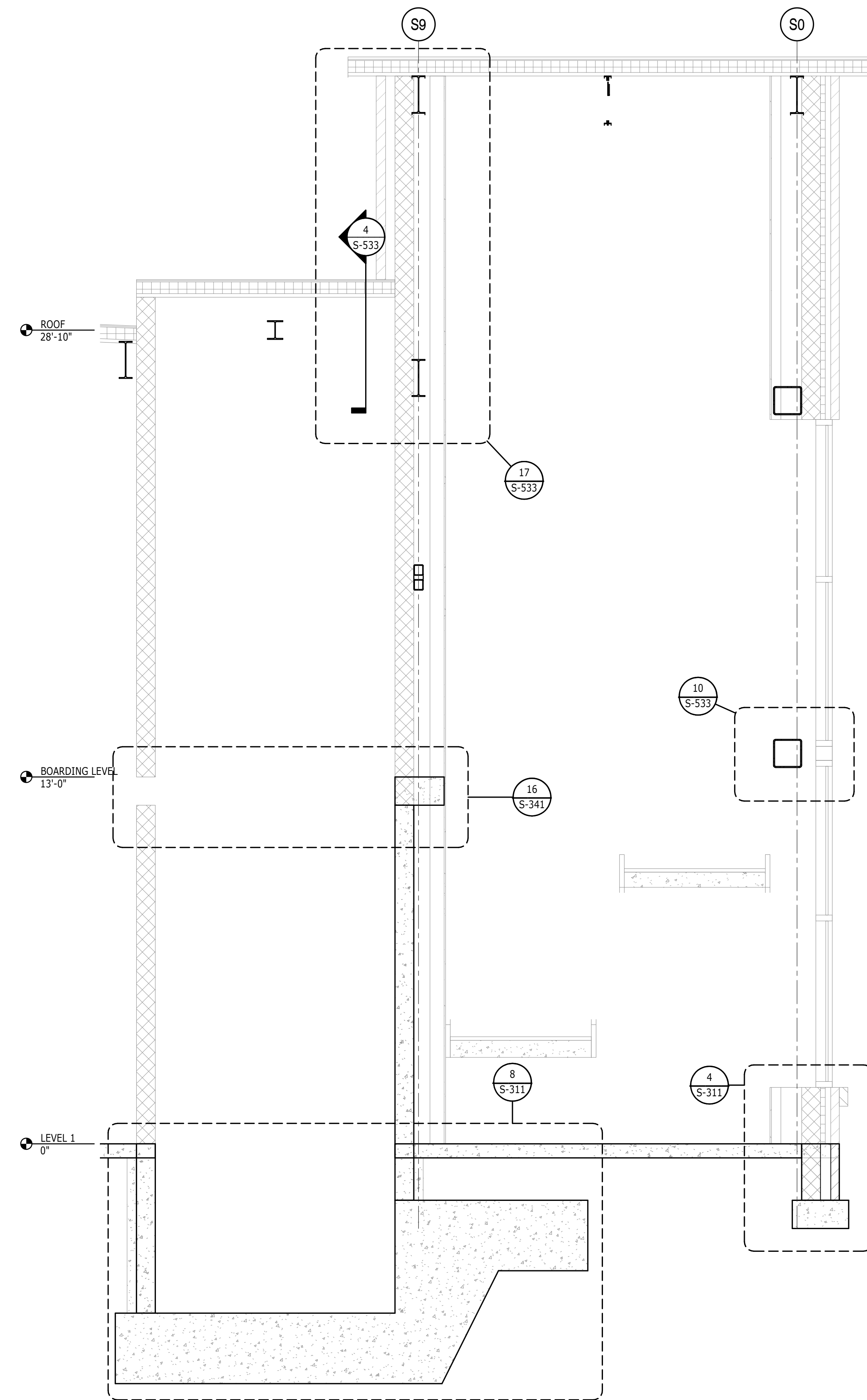
DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

STRUCTURAL WALL SECTIONS

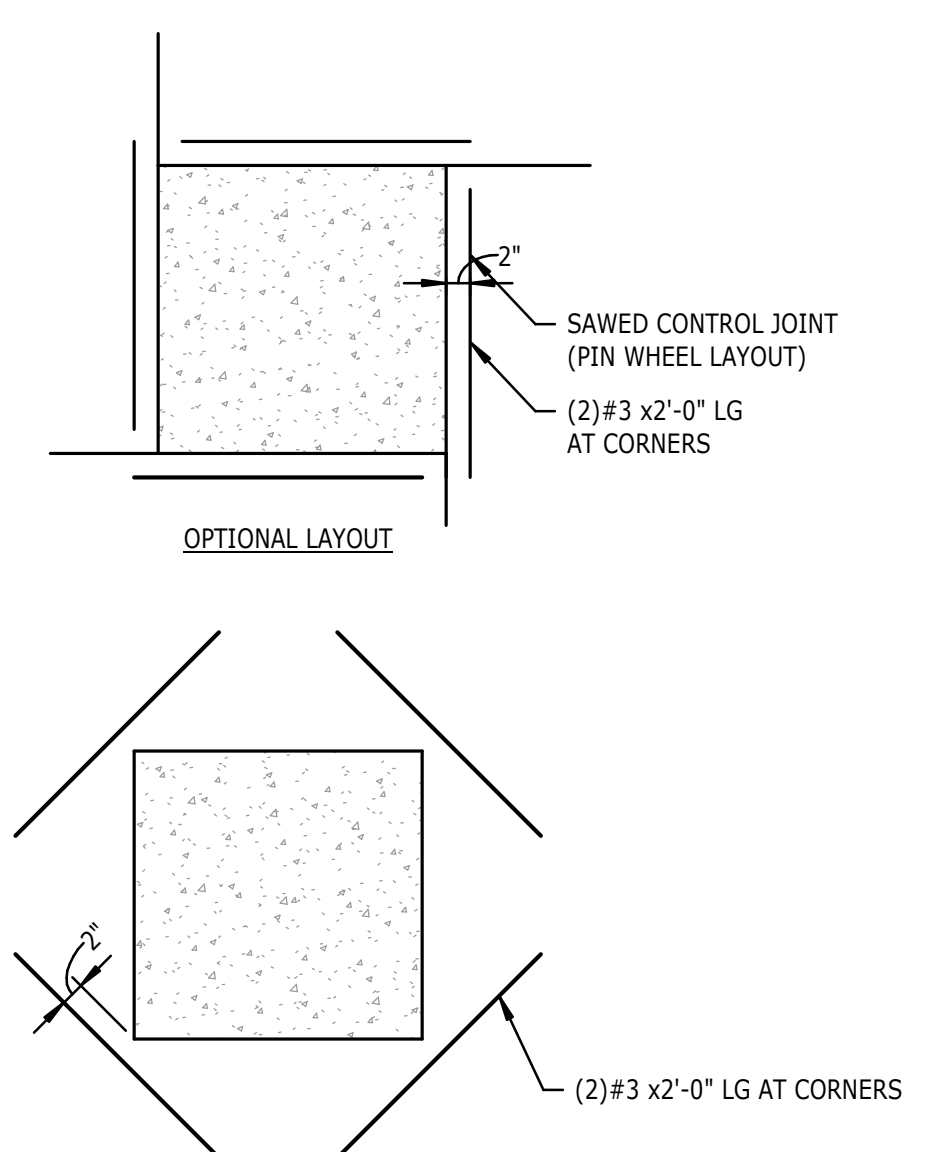
SHEET NUMBER
S-253



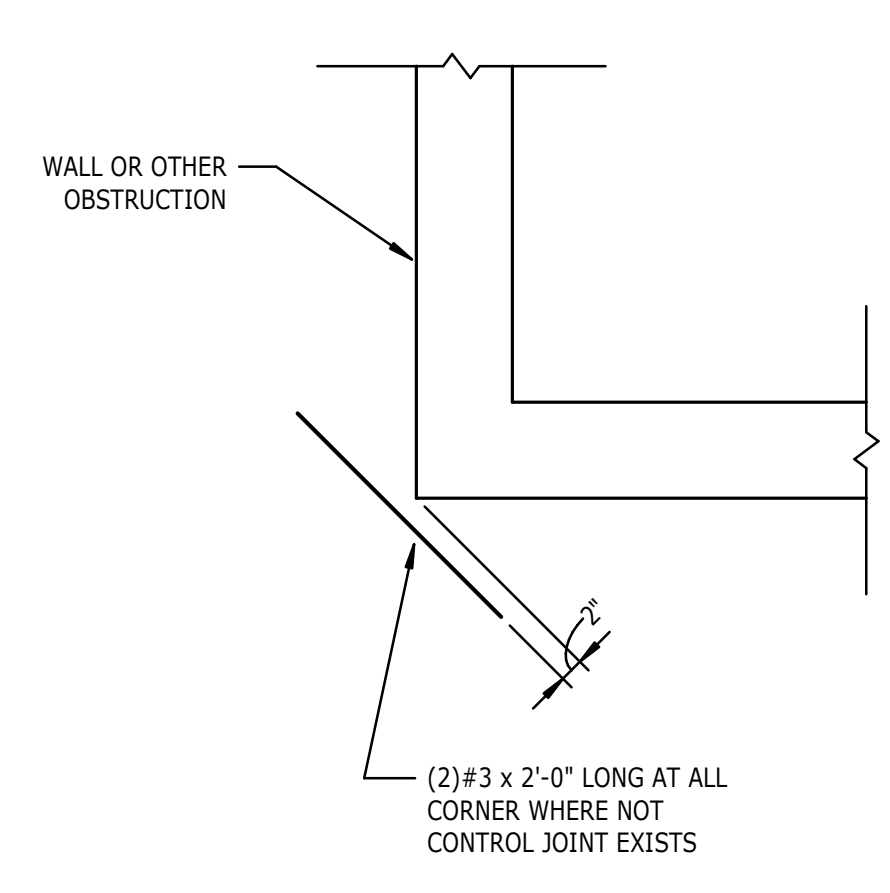
2 SECTION
S-253 3/8" = 1'-0"



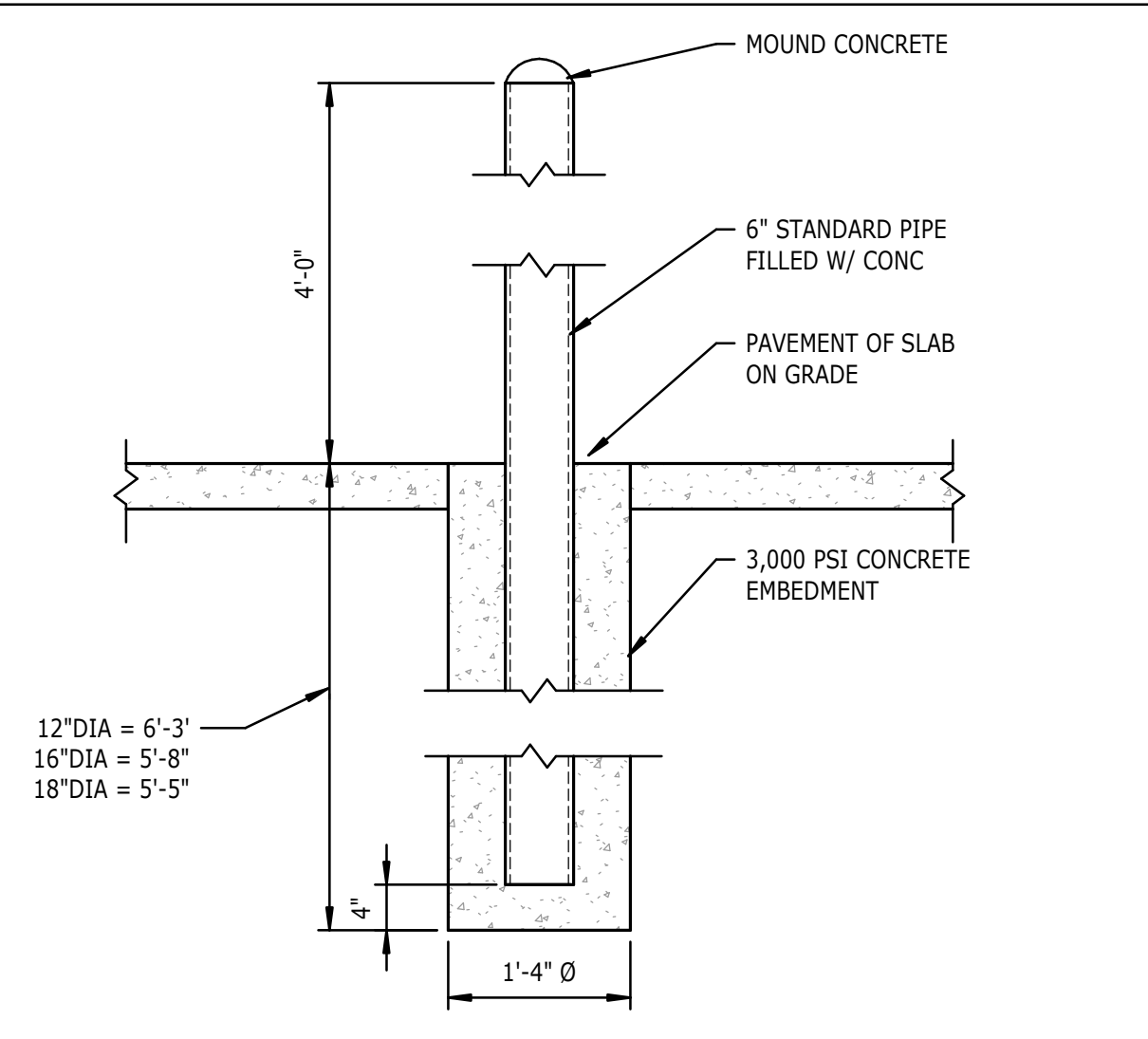
1 SECTION
S-253 3/8" = 1'-0"



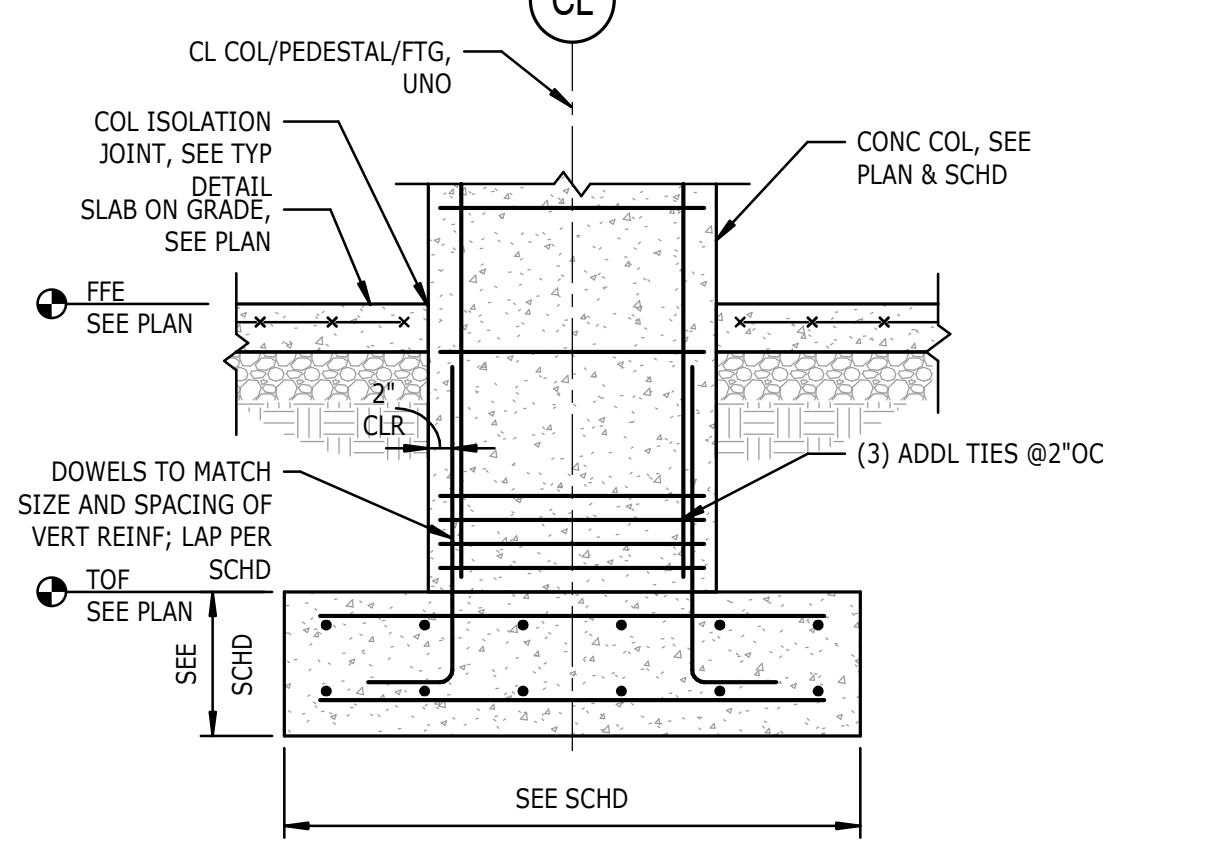
9 DETAIL
S-302 TYPICAL ELEVATED SLAB REINFORCING AT RE-ENTRANT CORNERS
NTS



10 SECTION
S-302 THICKENED SLAB AT STAIR
NTS

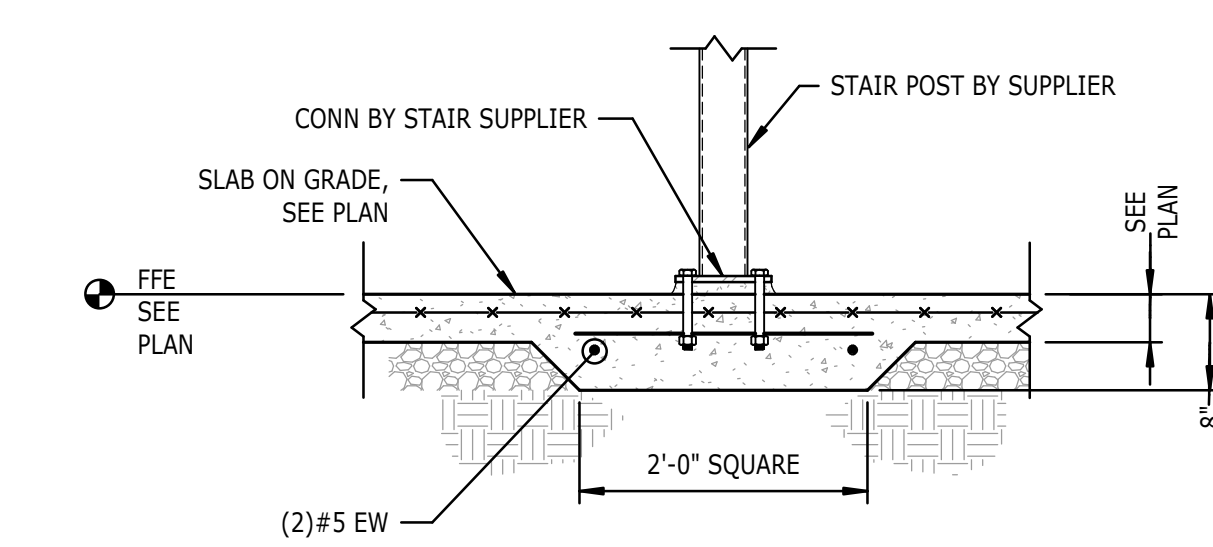


1 SECTION
S-302 TYPICAL PIPE BOLLARD DETAIL
NTS

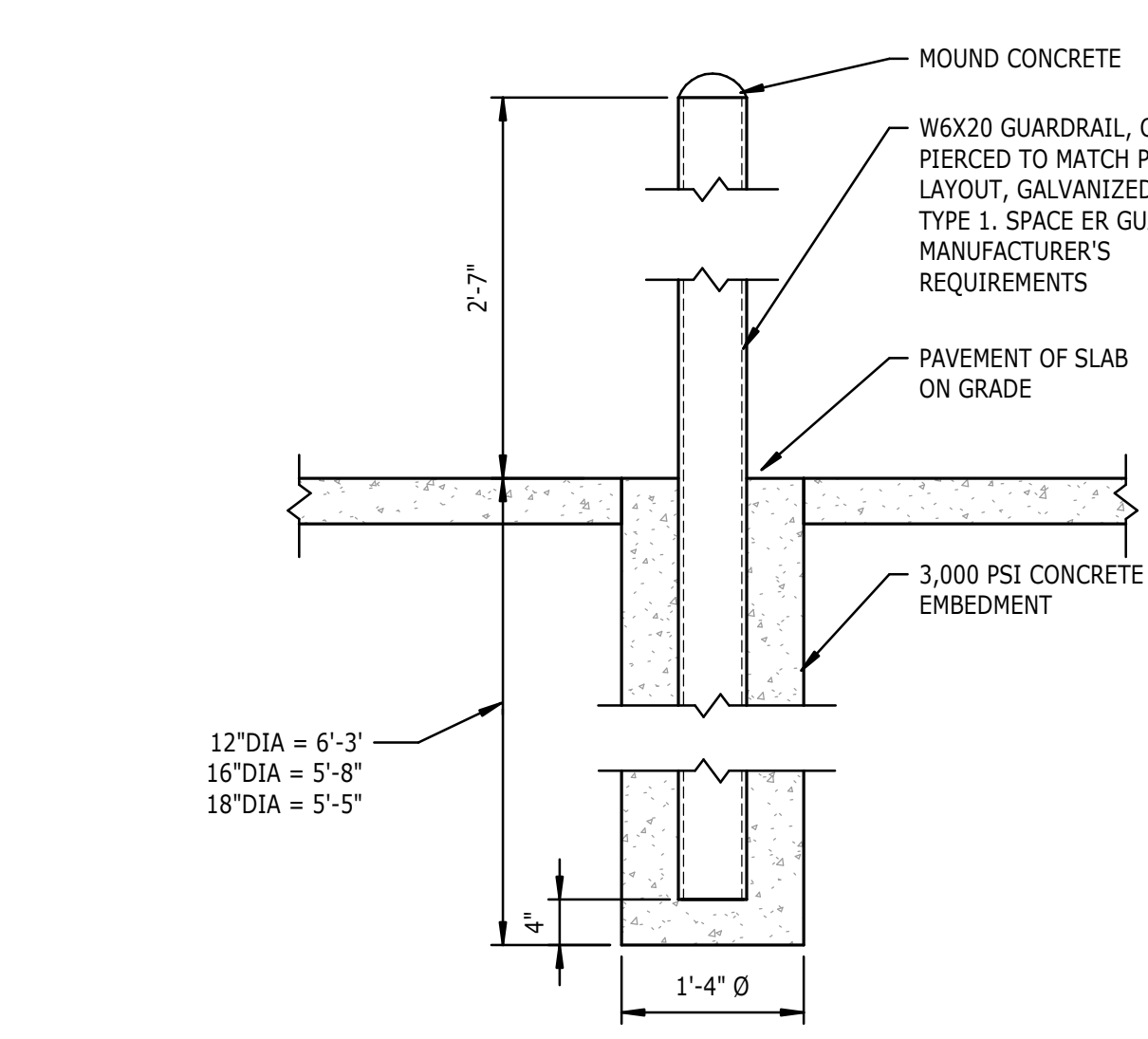


NOTES:
1. SEE SCHEDULES FOR SIZE, DEPTH, AND REINFORCING.
2. CENTERLINE OF COLUMN IS CENTERLINE OF FOOTING, UNLESS NOTED OTHERWISE.

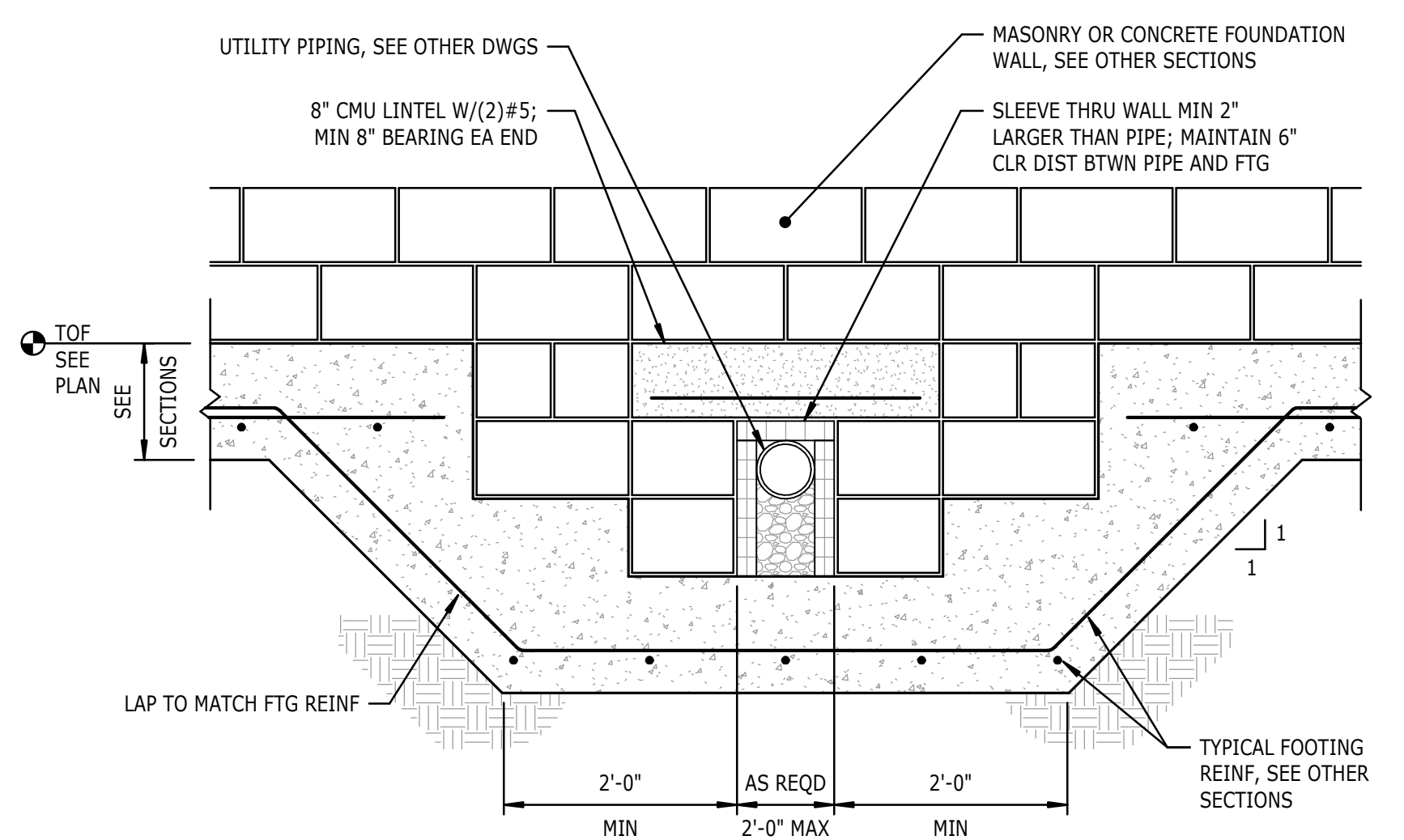
13 SECTION
S-302 TYPICAL SPREAD FOOTING AT CONCRETE COLUMN
NTS



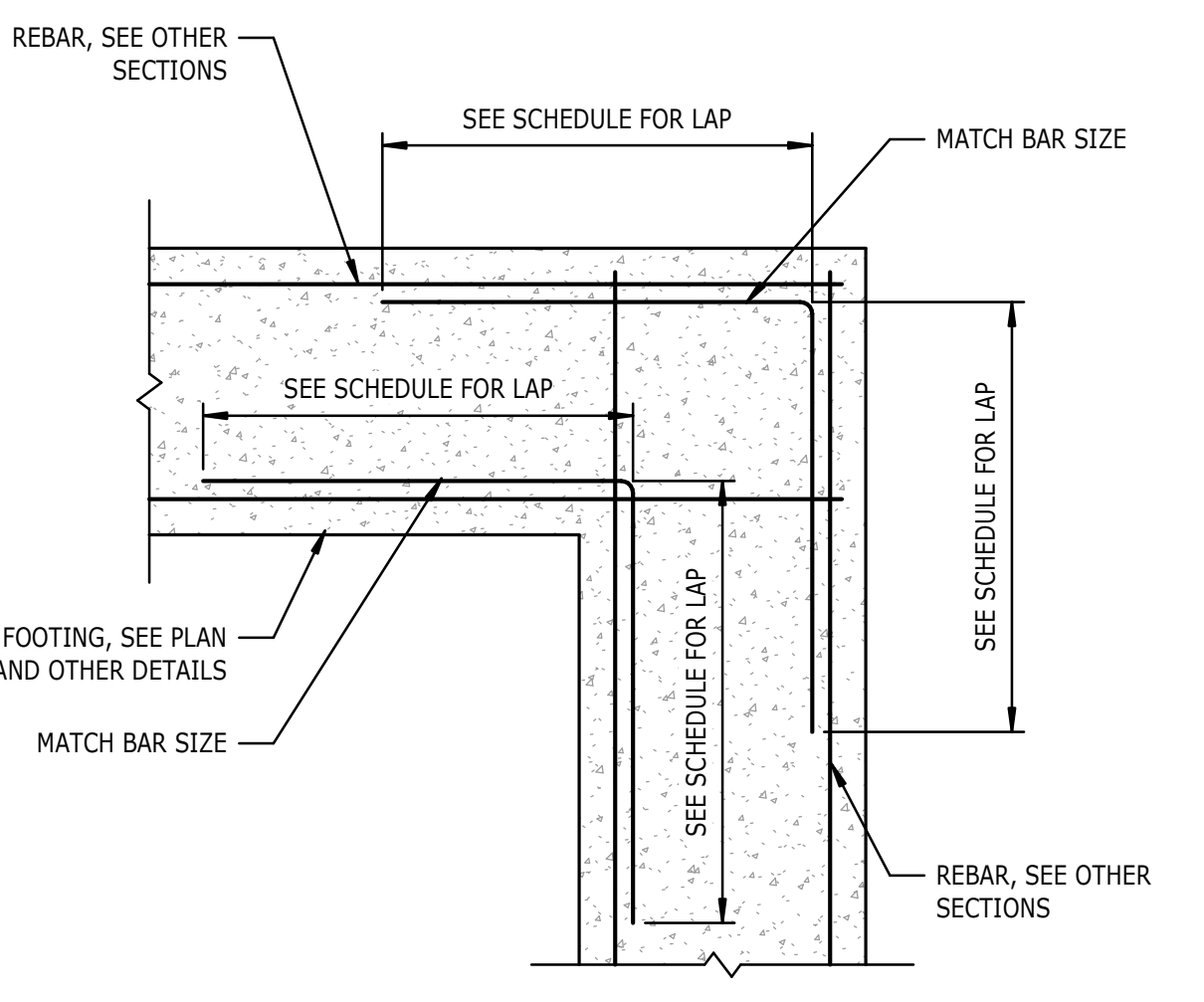
6 SECTION
S-302 TYPICAL THICKENED SLAB AT STAIR POST
NTS



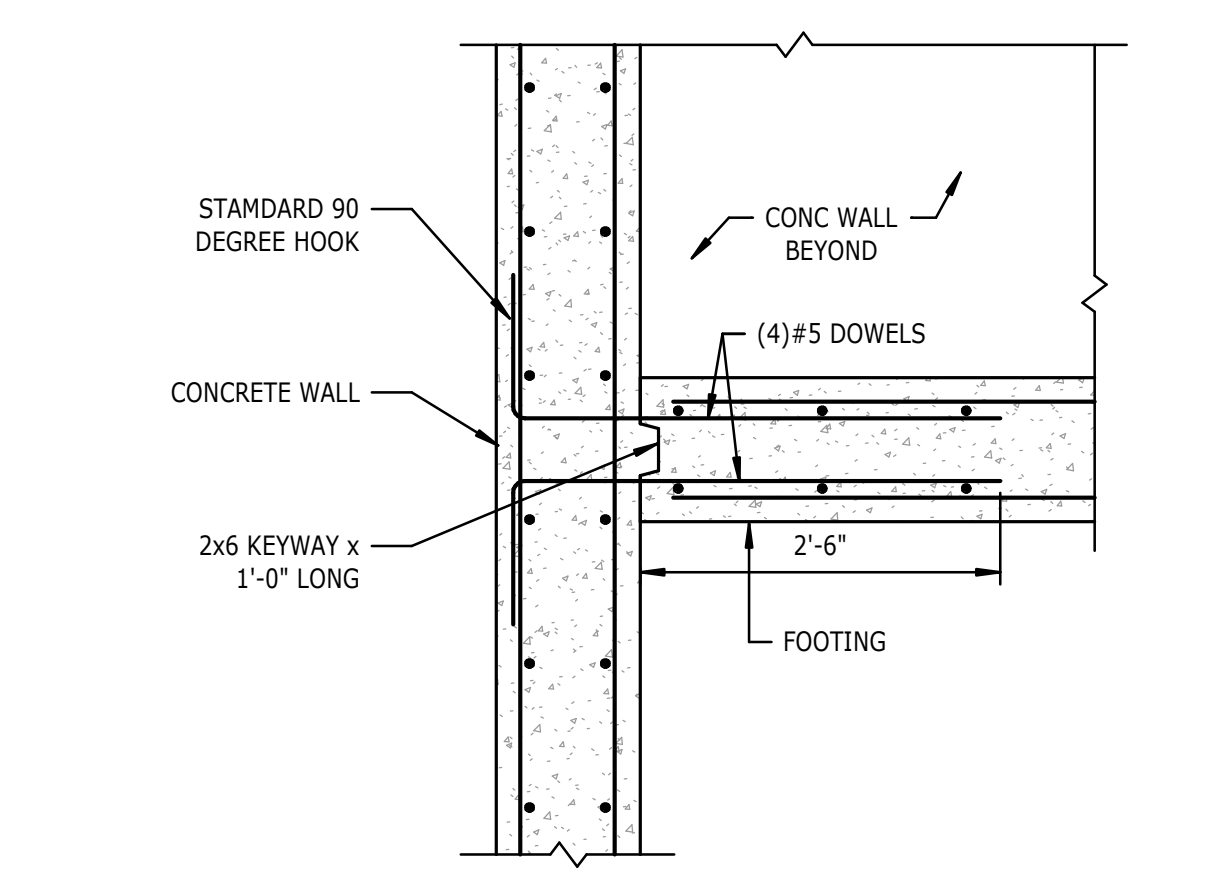
4 SECTION
S-302 TYPICAL VEHICLE GUARDRAIL DETAIL
NTS



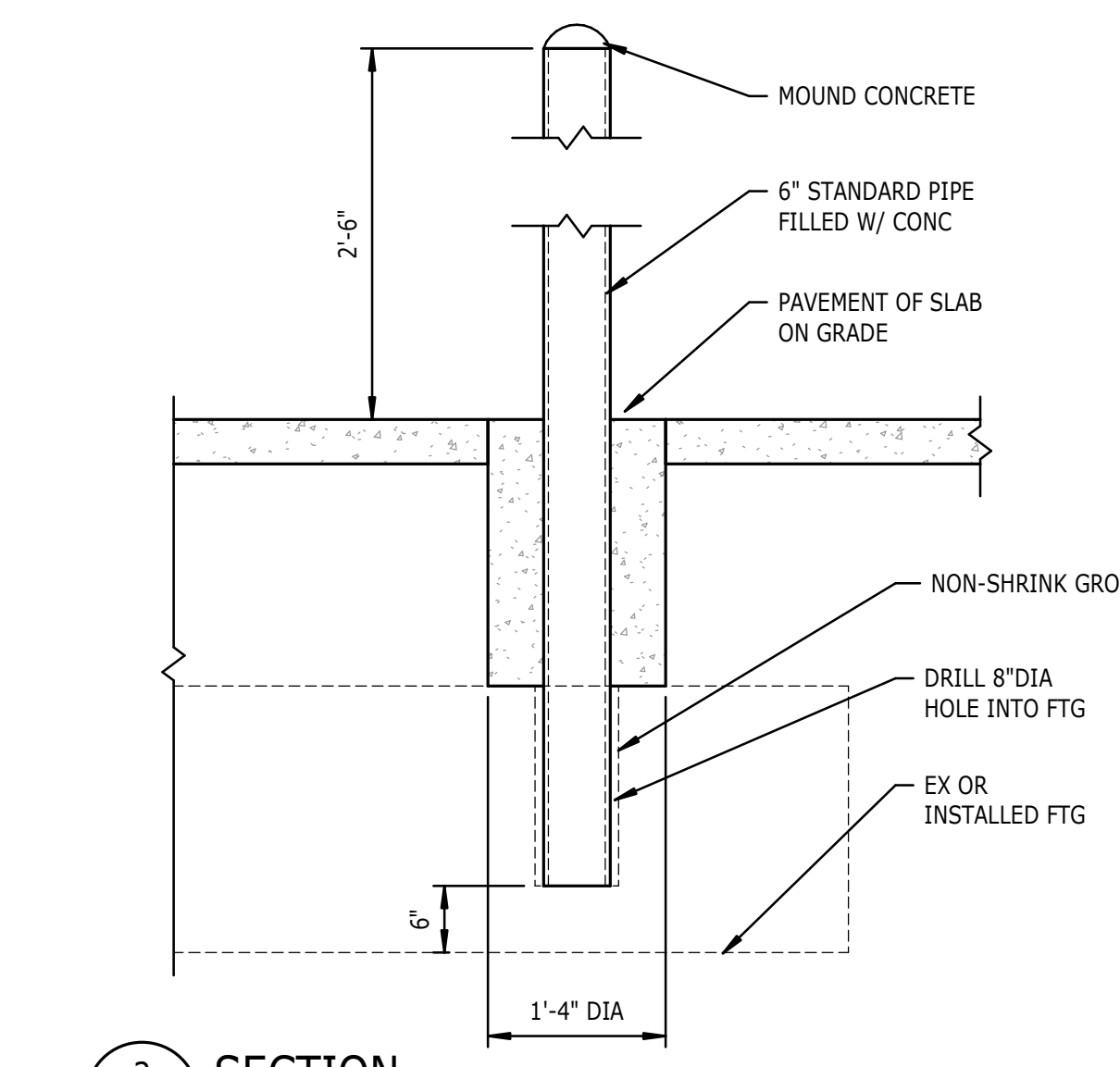
15 SECTION
S-302 TYPICAL UTILITY FOOTING BELOW FOOTING
NTS



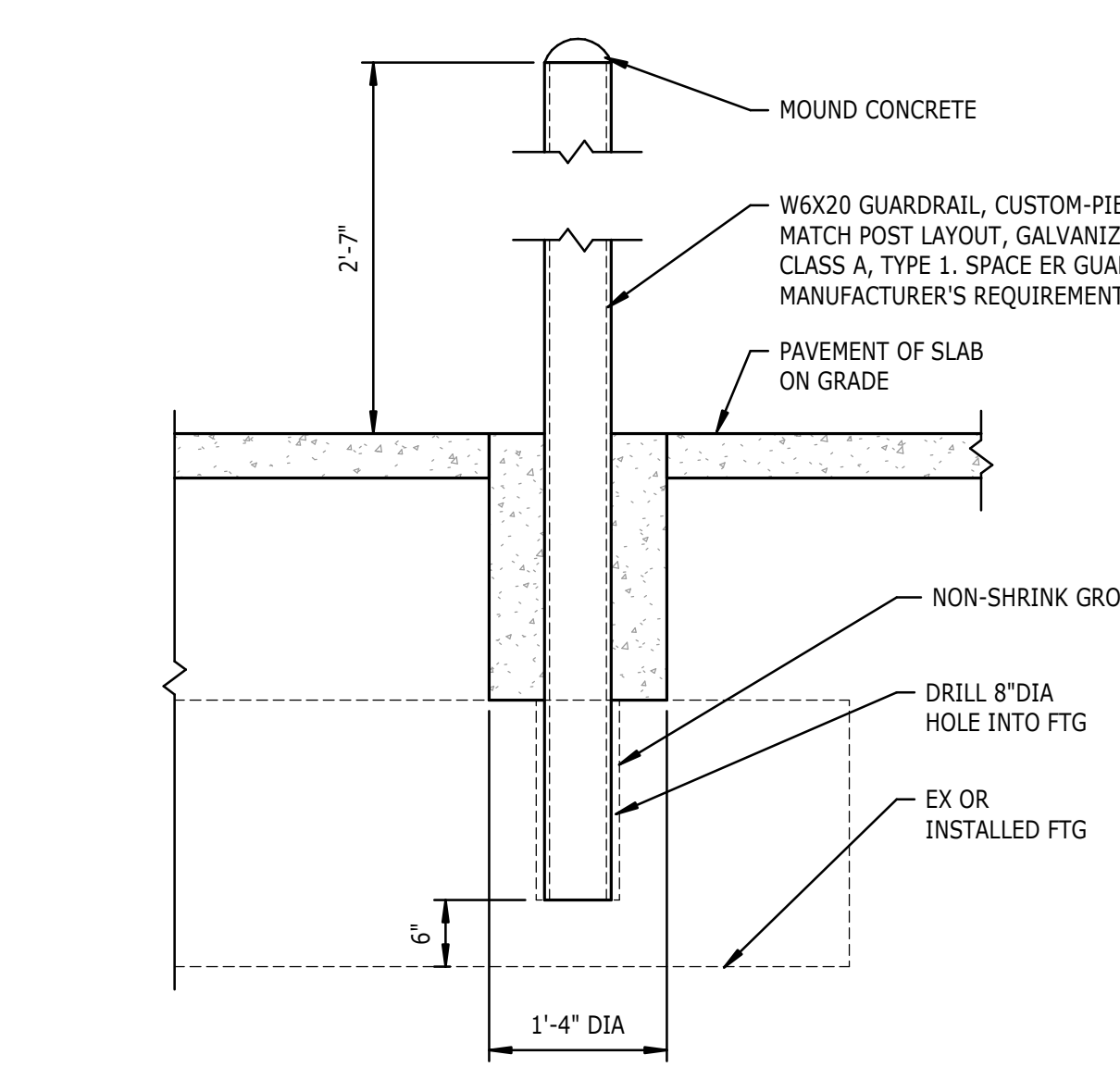
11 TYPICAL FOOTING CORNER PLAN
S-302 3/4" = 1'-0"



7 SECTION
S-302 TYPICAL FOOTING TO WALL CONNECTION
NTS



2 SECTION
S-302 TYPICAL PIPE BOLLARD DETAIL
NTS



3 SECTION
S-302 TYPICAL VEHICLE GUARDRAIL AT FOOTING
NTS

ILM
TERMINAL IMPROVEMENTS CONTRACT 3
Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405

PROFESSIONAL SEAL
M. CORNELL A. GARDNER
06/28/2018

THE WILSON GROUP
- ARCHITECTS -
PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT
CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART
FP/PM/E ENGINEER

CHEATHAM & ASSOC.
BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS
SPECIALTY LIGHTING CONSULTANT
HARTRANFT
SINGAGE & WAYFINDING
TAKEFORM

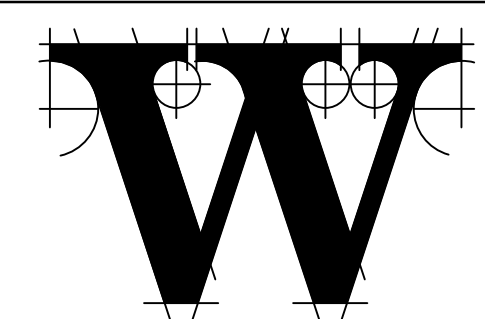
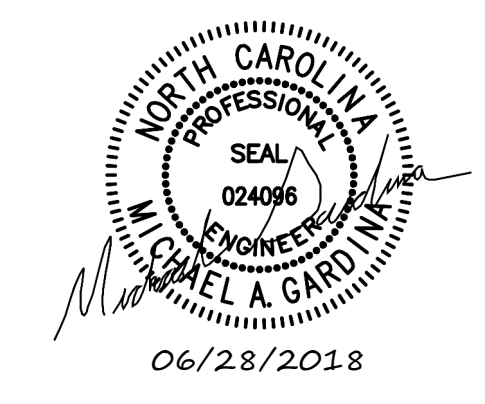
COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE
FOUNDATION DETAILS

SHEET NUMBER
S-302



THE WILSON GROUP
ARCHITECTS
PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT
CONSULTING ARCHITECT
LS3P
STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART
FPI/P/ME ENGINEER
CHEATHAM & ASSOC.
BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS
SPECIALTY LIGHTING CONSULTANT
HARTRANFT
SIGNAGE & WAYFINDING
TAKEFORM

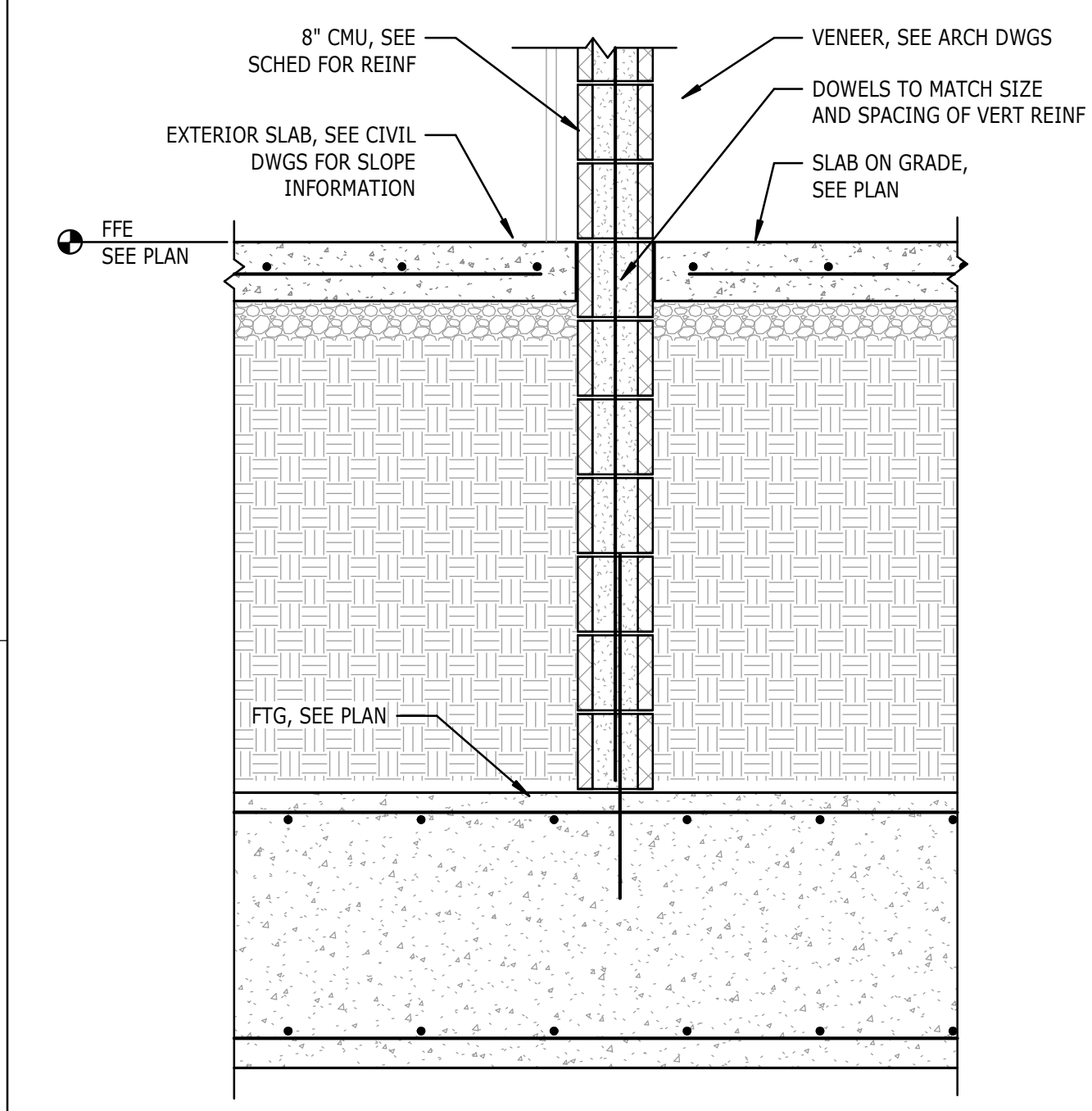
COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

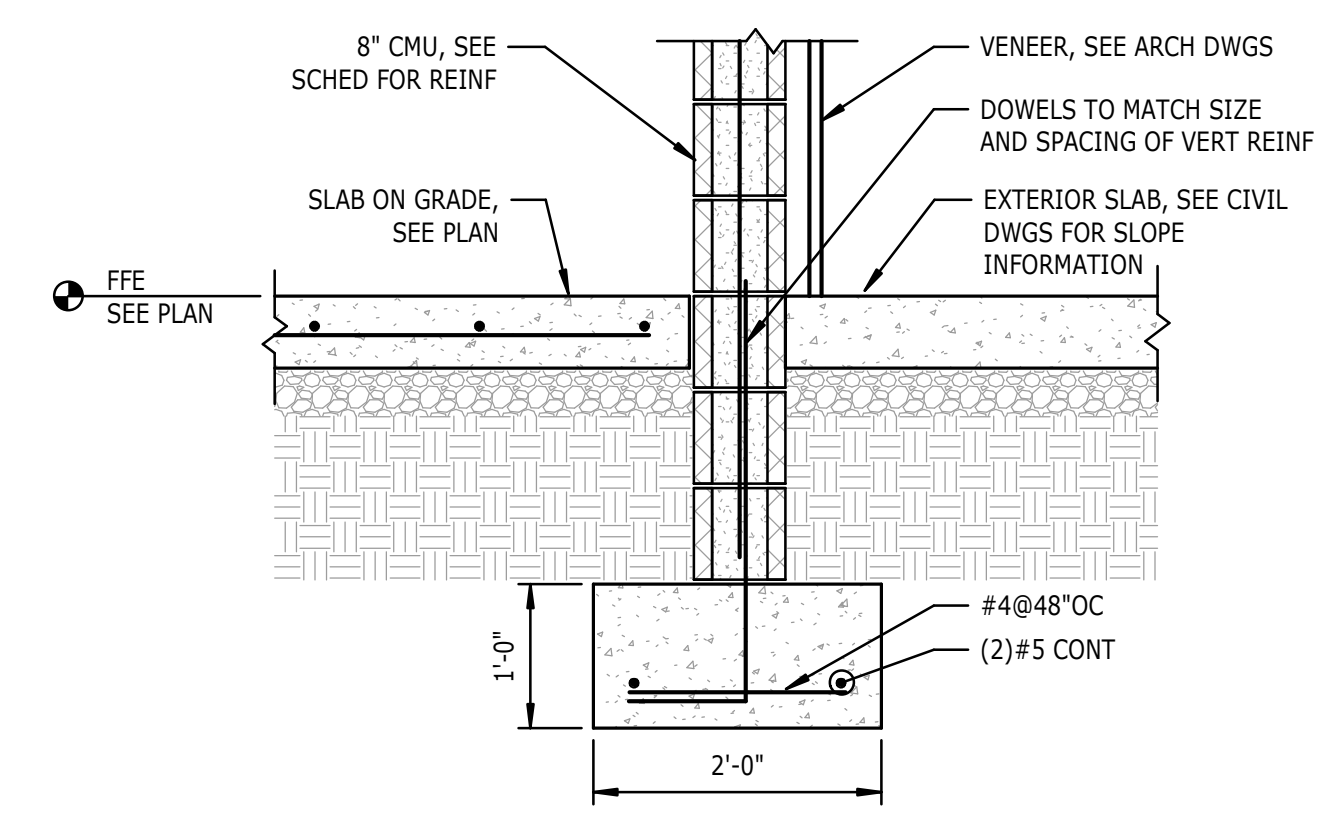
DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

FOUNDATION SECTIONS

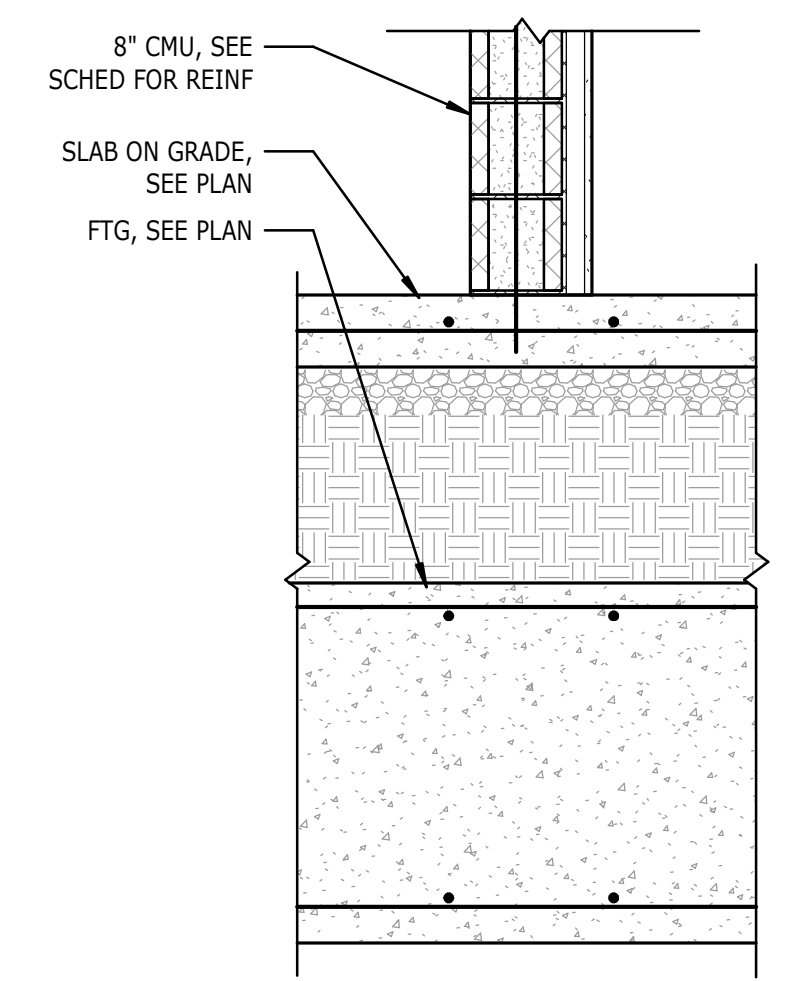
SHEET NUMBER
S-311



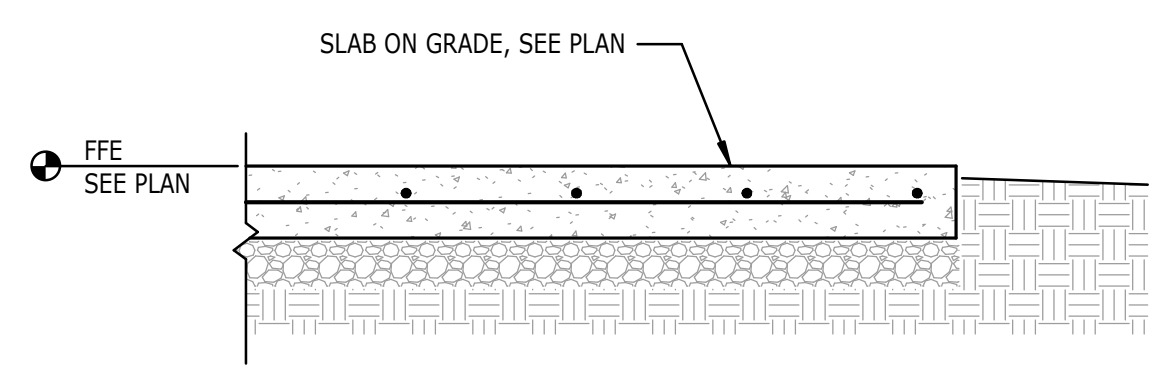
17 SECTION
S-311 3/4" = 1'-0"



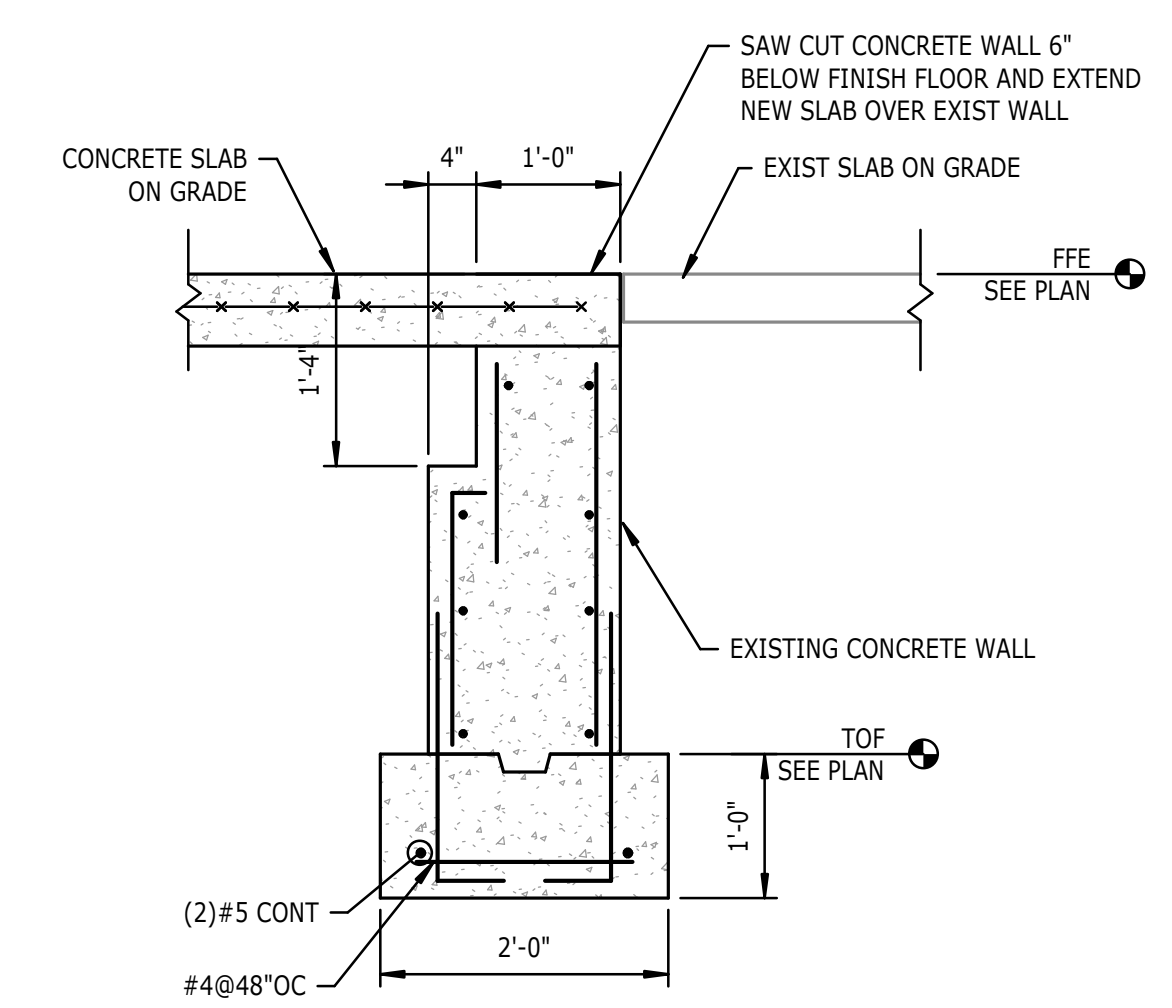
13 SECTION
S-311 3/4" = 1'-0"



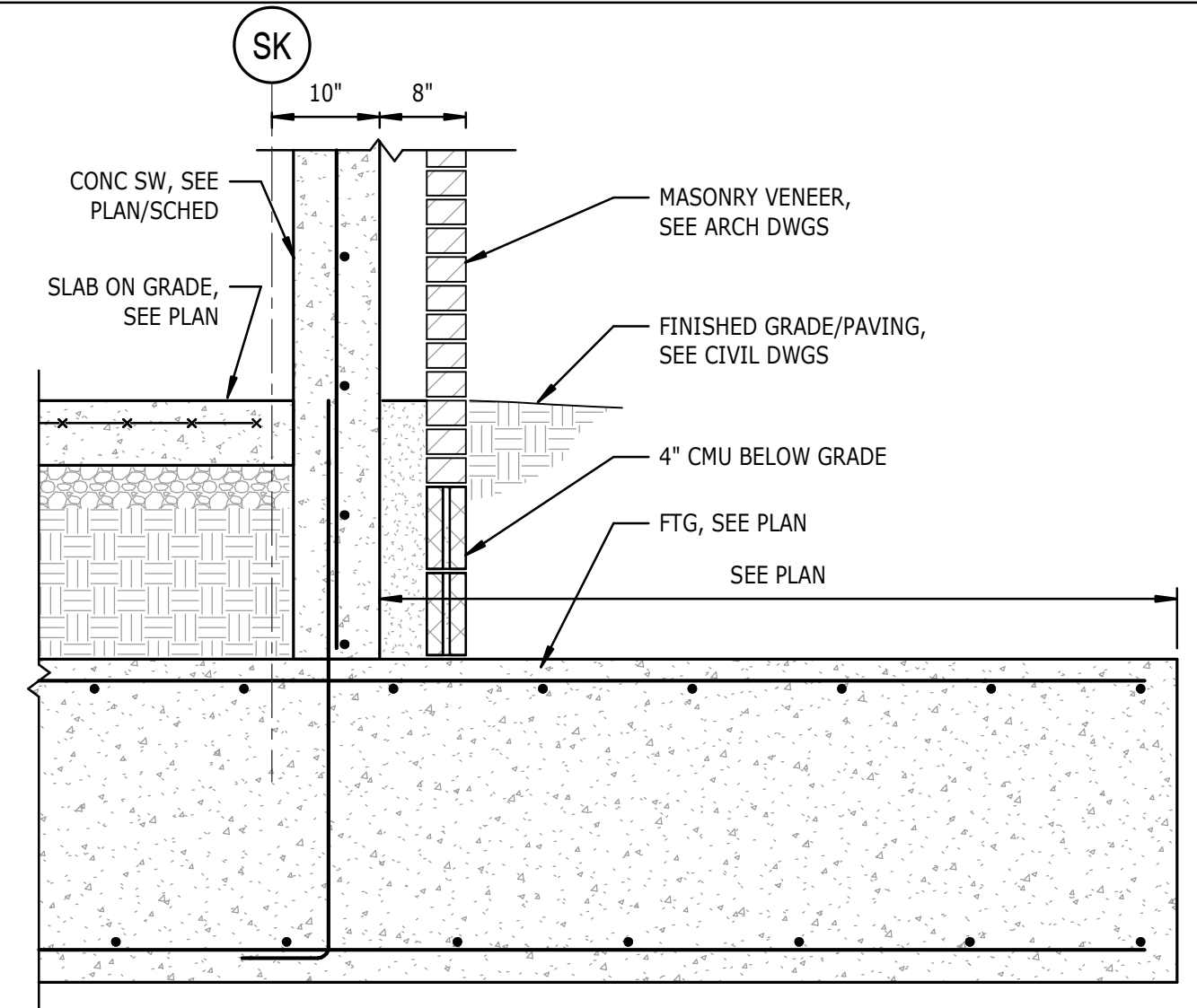
9 SECTION
S-311 3/4" = 1'-0"



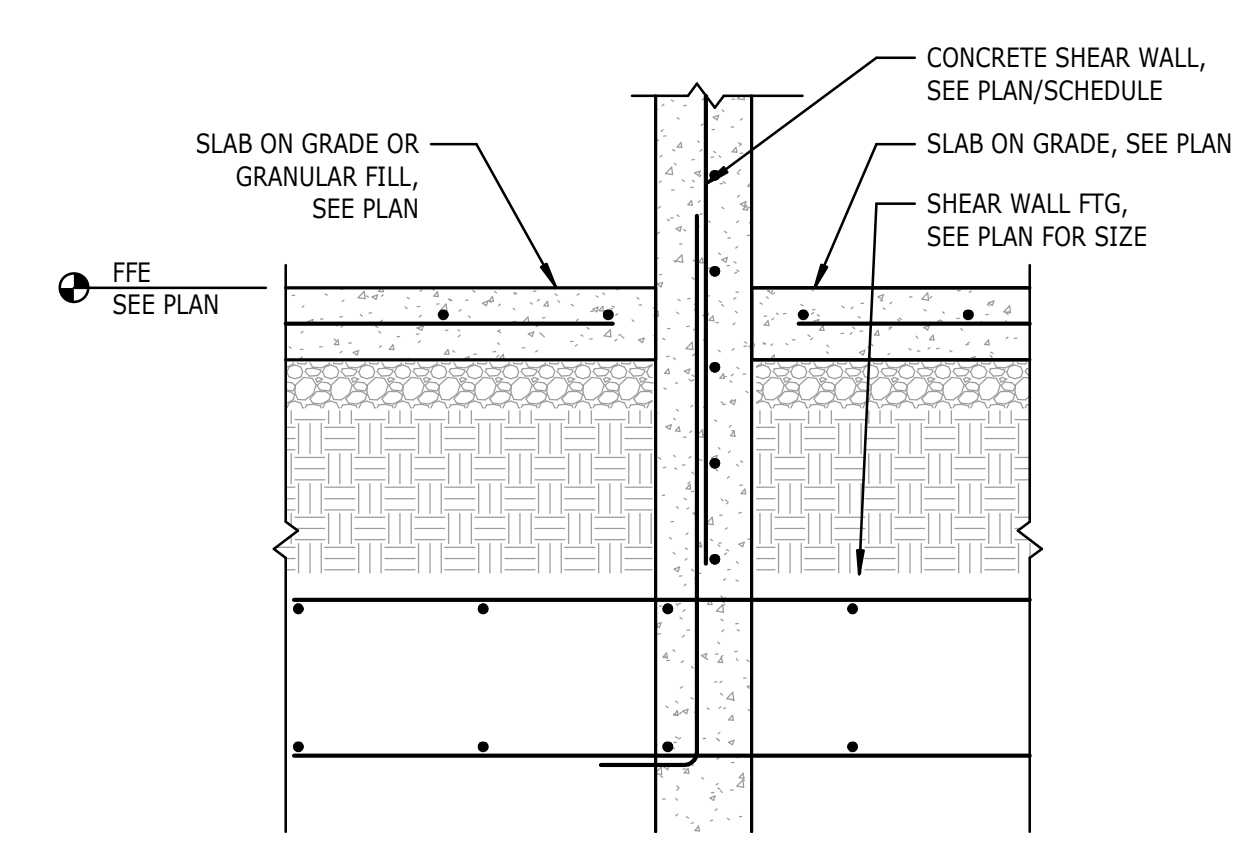
5 SECTION
S-311 3/4" = 1'-0"



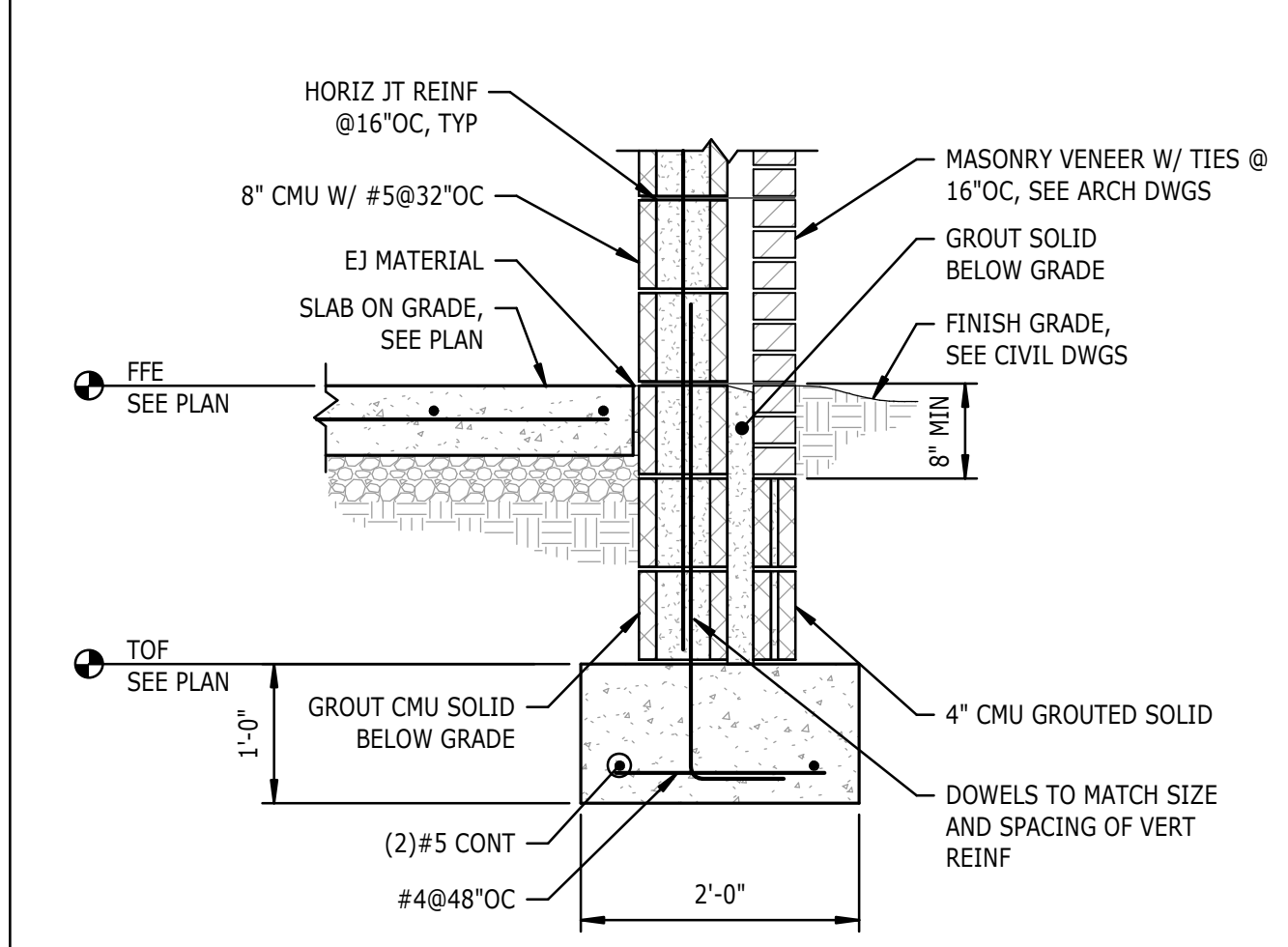
14 SECTION
S-311 3/4" = 1'-0"



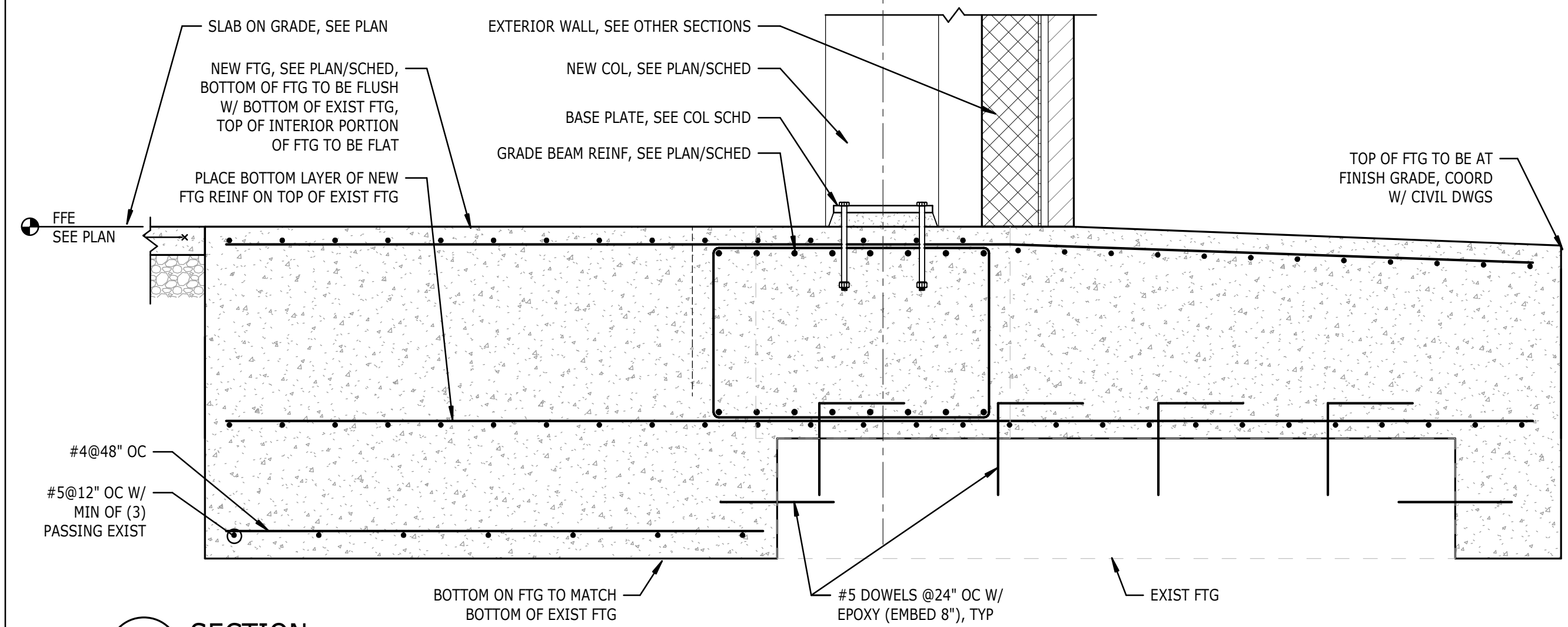
10 SECTION
S-311 3/4" = 1'-0"



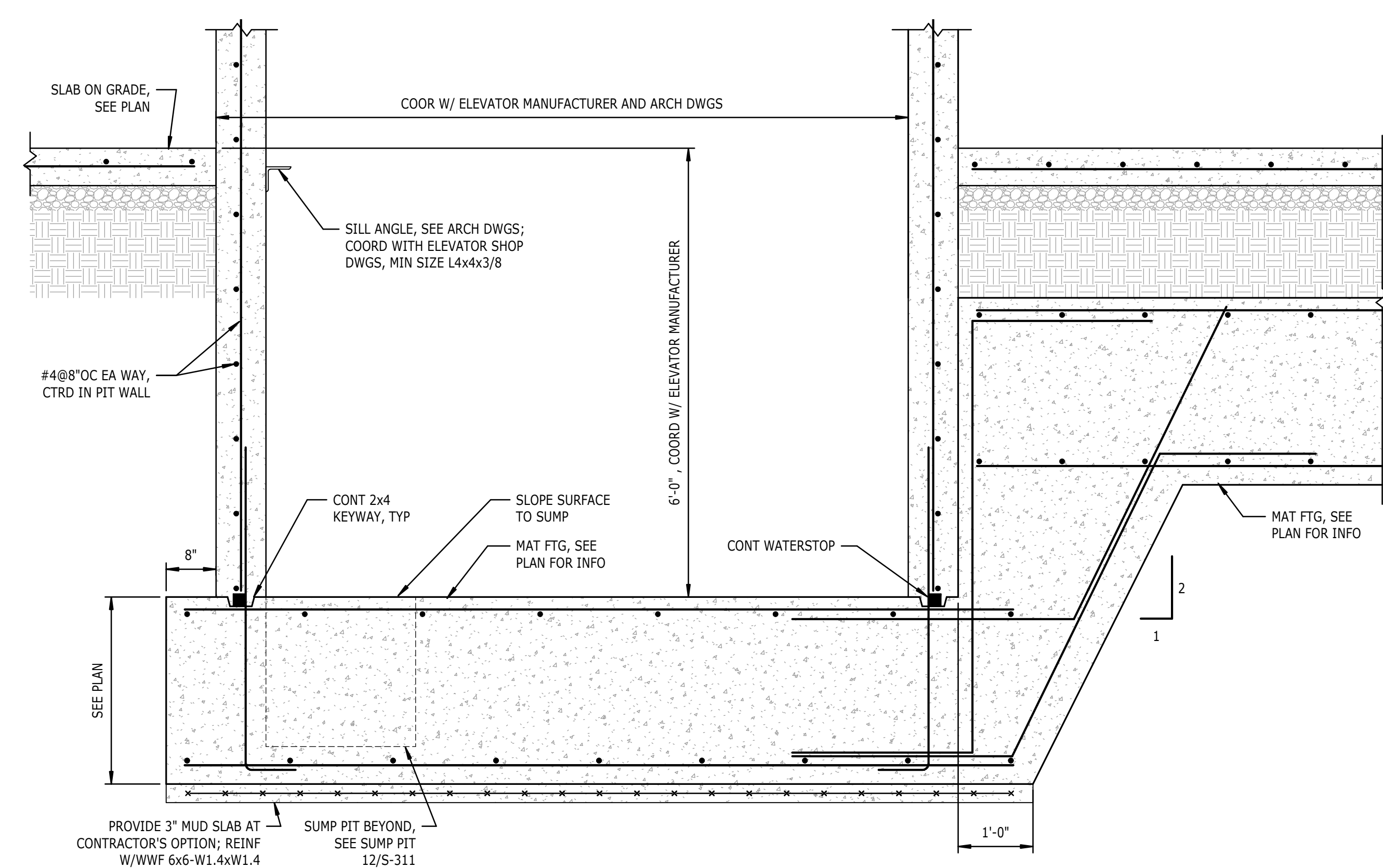
6 SECTION
S-311 3/4" = 1'-0"



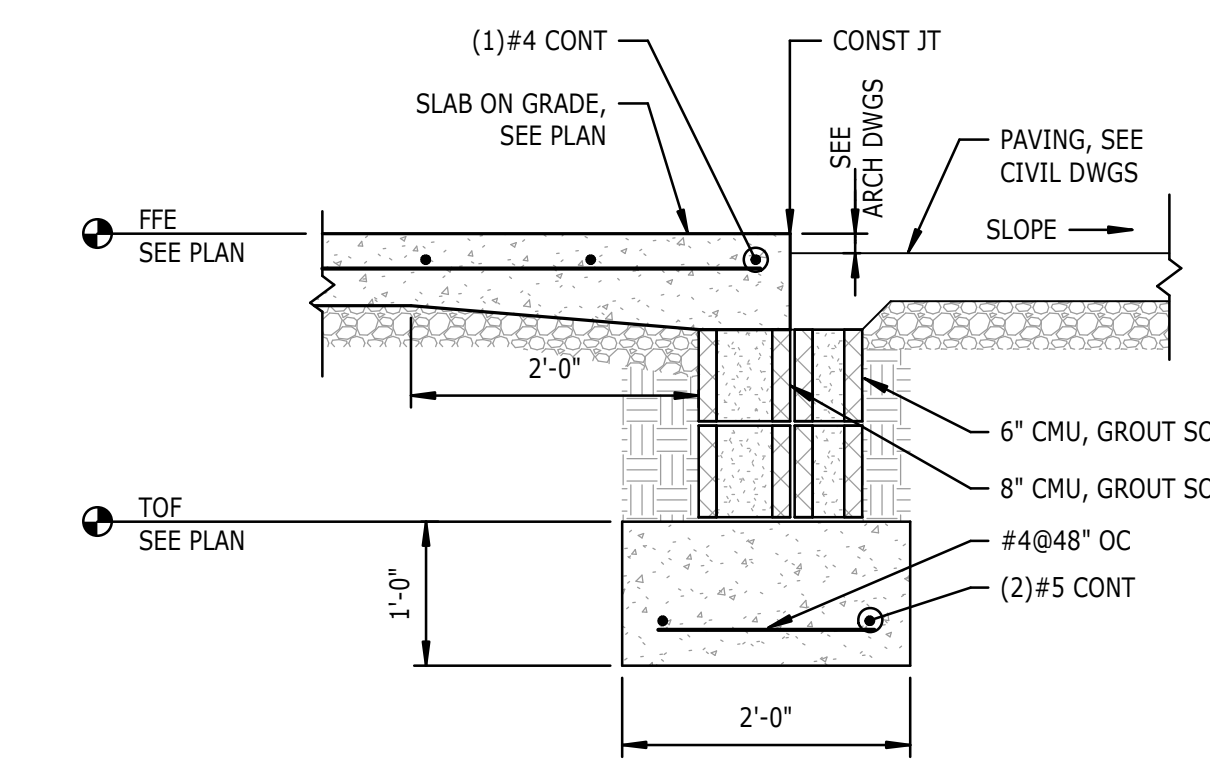
2 DETAIL
S-311 3/4" = 1'-0"



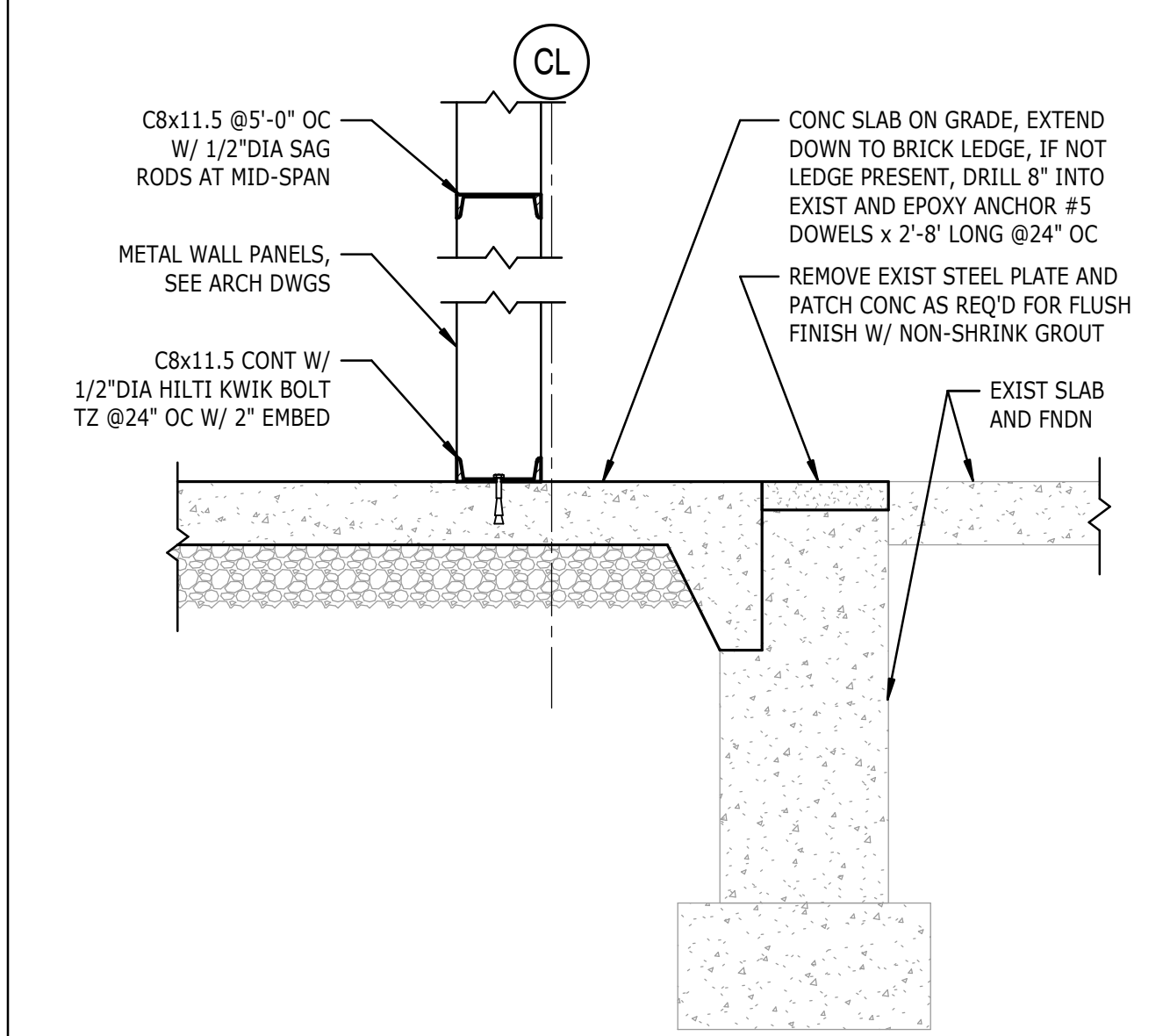
15 SECTION
S-311 3/4" = 1'-0"



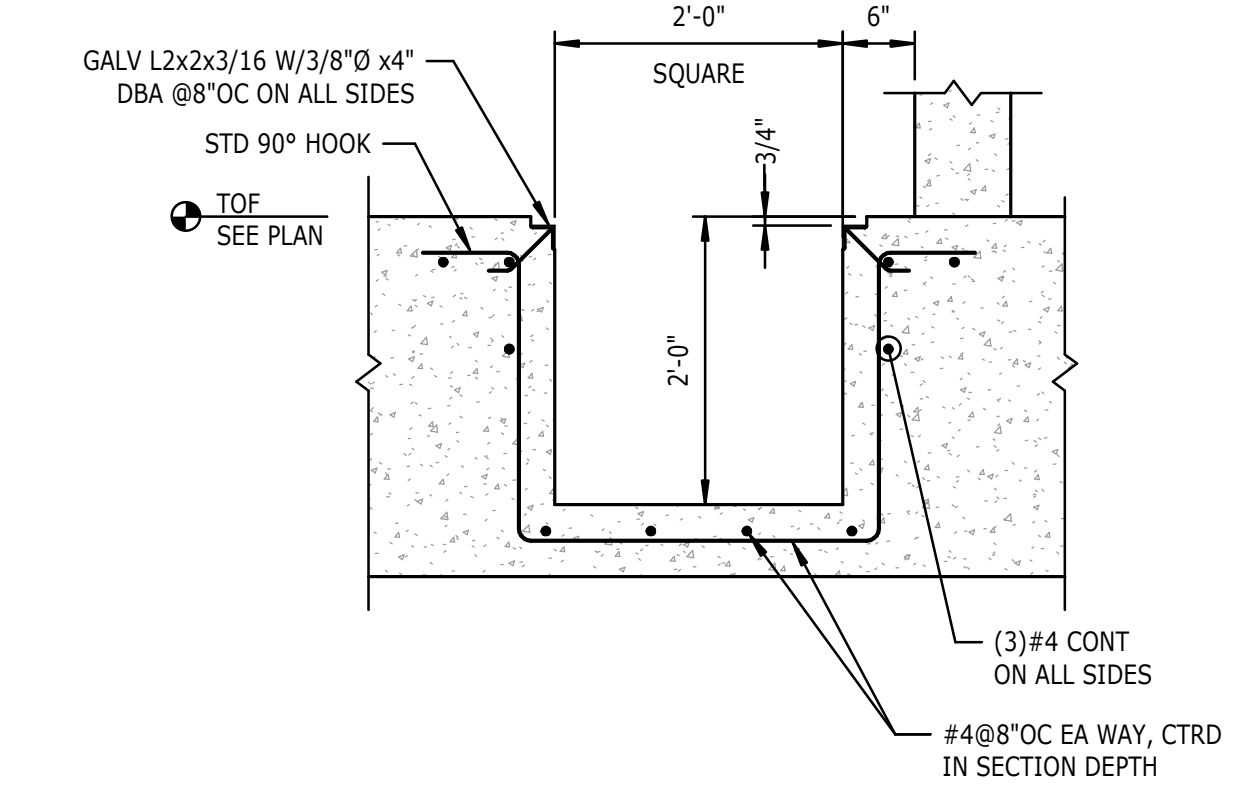
8 SECTION
S-311 3/4" = 1'-0"



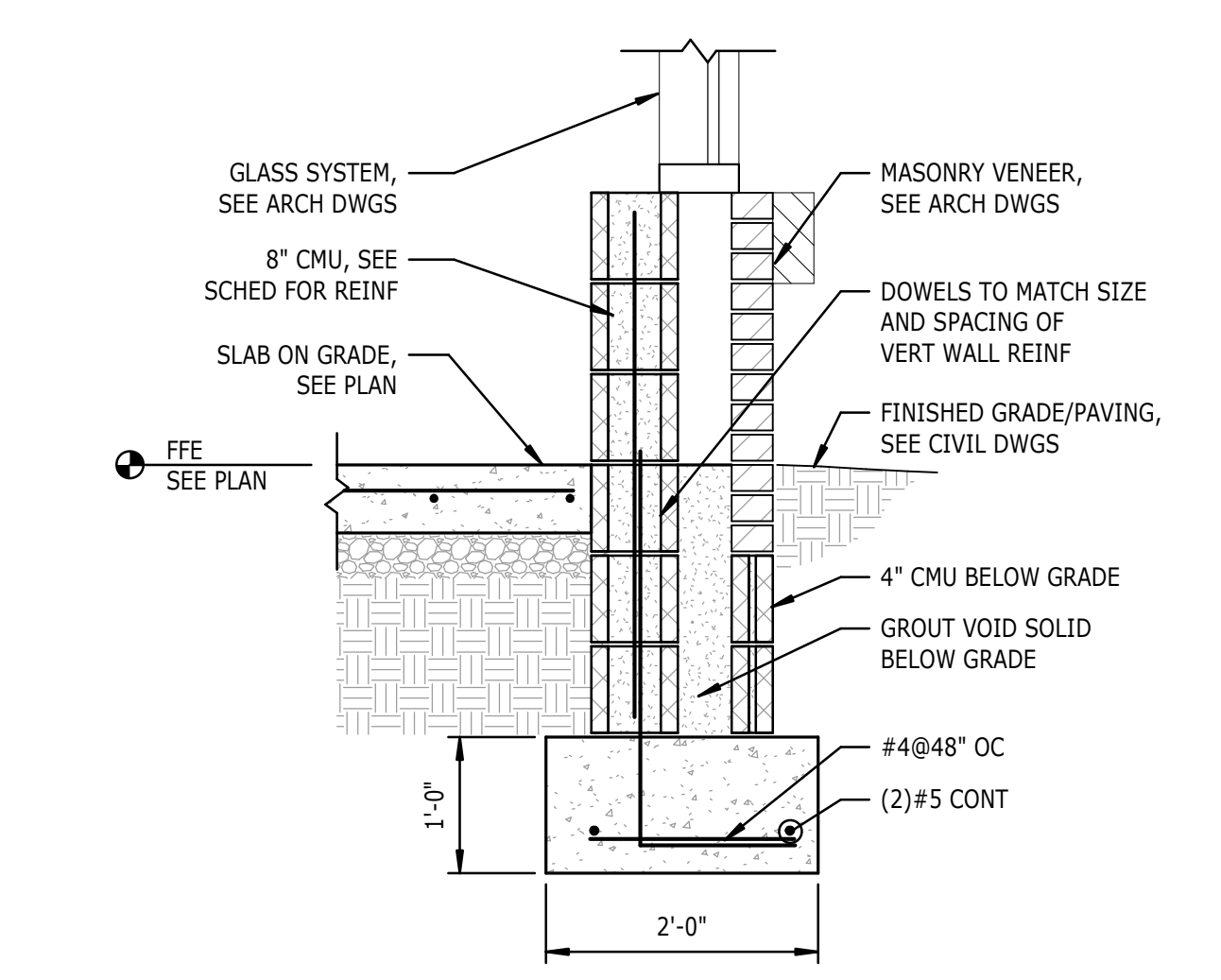
3 DETAIL
S-311 3/4" = 1'-0"



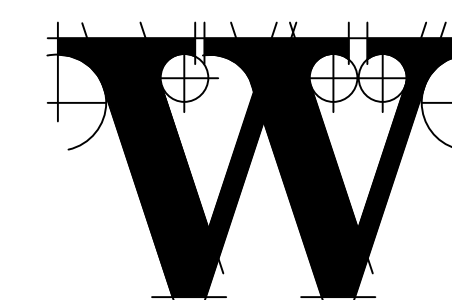
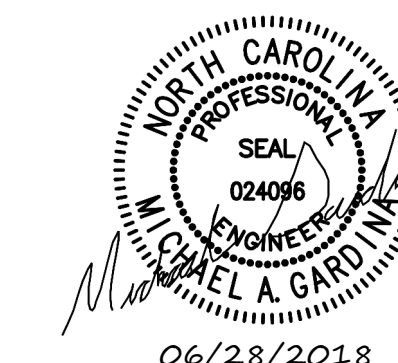
20 SECTION
S-311 3/4" = 1'-0"



12 SECTION
S-311 3/4" = 1'-0"



4 SECTION
S-311 3/4" = 1'-0"



THE WILSON GROUP
- ARCHITECTS -

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT

CONSULTING ARCHITECT

LS3P

STRUCTURAL ENGINEER

FIRM LICENSE #C-1051

STEWART

FP/PM/E ENGINEER

CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS

BNP

AIRCRAFT SUPPORT SYSTEMS

DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT

HARTRANFT

SINGAGE & WAYFINDING

TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

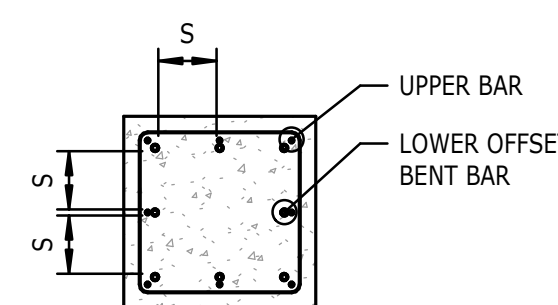
CONCRETE COLUMN SCHEDULES & DETAILS

SHEET NUMBER

S-323

BOARDING LEVEL																	BOARDING LEVEL
13'-4"																	13'-4"
LEVEL 1																	LEVEL 1
4"																	4"
Column Locations	F-S0, S0-SK, S0-SL	G-S9, G-S10, G-S11, G-S12, K-S9, K-S10, K-S11, K-S12, K-S0, S0-EX-G, S0-EX-K, S1-SQ, S1-SR, S2-SQ, S4.1-S12, S4.1-SR, S9-V, S9-SF, S9-SG, S9-SH, S9-SN, S9-SP, S9-EX-H, S9-EX-J, S10-SG, S10-SH, S10-SL, S10-SN, S10-SP, S10-EX-H, S11-SL, S11-SN, S11-SP, S11-EX-H, S11-EX-J, S12-SH, S12-SK, S12-SL, S12-SN, S12-EX-H, S12-EX-J, S13-EX-H, S13-EX-J, T2-EX-G, T2-EX-H, T2-EX-J, T6-EX-H, T6-EX-J	S2-SR, S3.1-SR	S9-SJ.1, S9-SJ.2, S9-SM.1, S9-SM.2, S12-SJ.1, S12-SJ.2, S12-SM.1, S12-SM.2	S9-SK, S9-SL	S10-SJ.1, S10-SJ.2, S10-SM.1, S10-SM.2, S11-SJ.1, S11-SJ.2, S11-SM.1, S11-SM.2	S10-SK, S11-SK	T2-EX-K	T3.1-EX-G, T3.2-EX-G, T3.2-EX-H	T3.1-EX-H, T3.1-EX-J, T3.1-EX-K, T3.2-EX-J, T3.2-EX-K	T3.3-EX-H, EX-1-EX-G	T3.3-EX-J, EX-1-EX-K	T6-EX-G, T6-EX-K	EX-S2(-2'-6")-EX-BA(3'-2")			

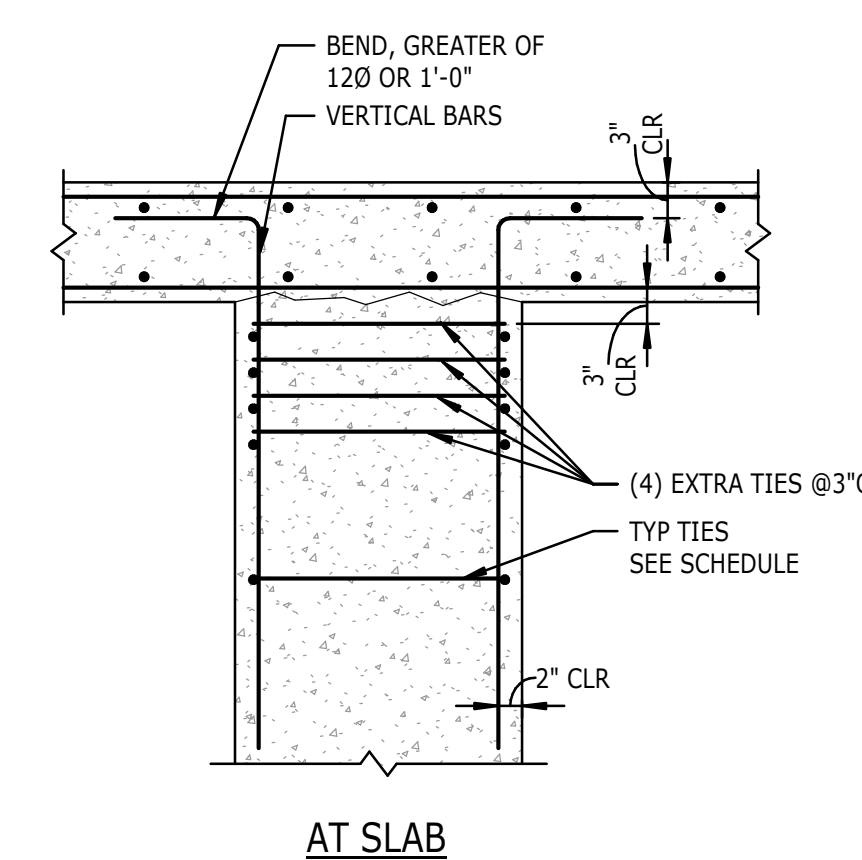
1 CONCRETE COLUMN SCHEDULE
S-323 1/8" = 1'-0"



11 DETAIL

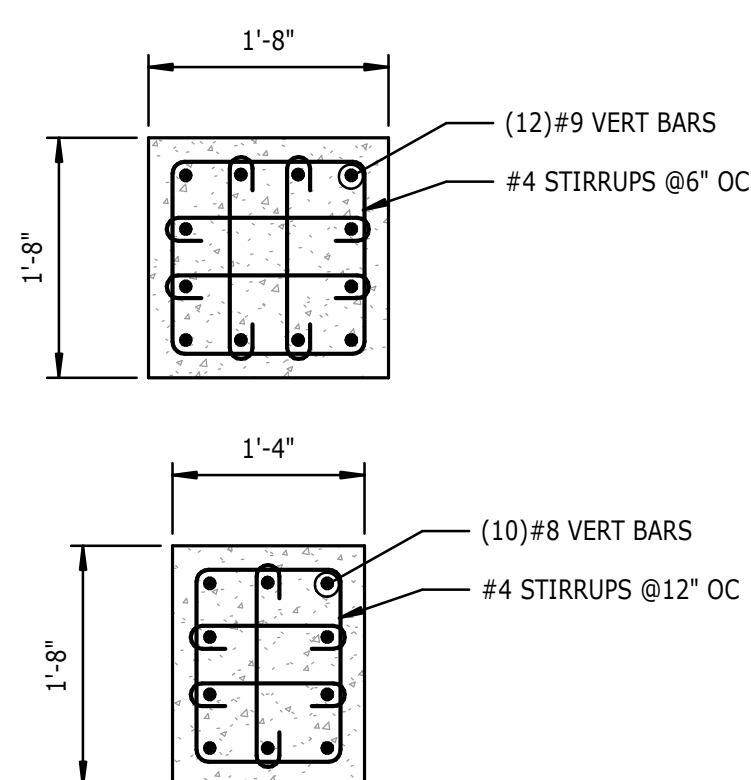
S-323 TYPICAL COLUMN LAP SPLICE
NTS

- NOTES:
- LOWER COLUMN VERTICAL BARS SHALL BE OFFSET BENT IN THE SHOP TOWARD THE INTERIOR OF THE COLUMN AS SHOWN.
 - S = CLEAR BAR SPACING TO BE USED FOR DETERMINATION OF TENSION SPLICE LENGTH CATEGORY.
 - WHEN CLEAR BAR SPACING IS NOT THE SAME AT DIFFERENT COLUMN FACES, SMALLER SPACING SHALL BE USED TO DETERMINE THE SPLICE CATEGORY.



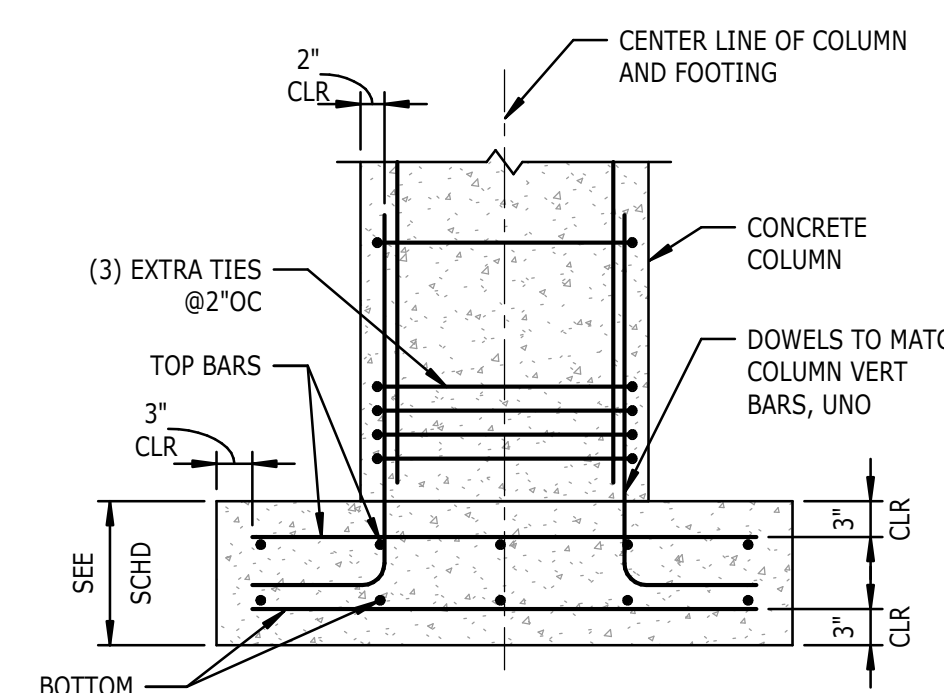
7 DETAIL

S-323 TYPICAL COLUMN SPLICES
NTS



16 COLUMN DETAILS

S-323 3/4" = 1'-0"

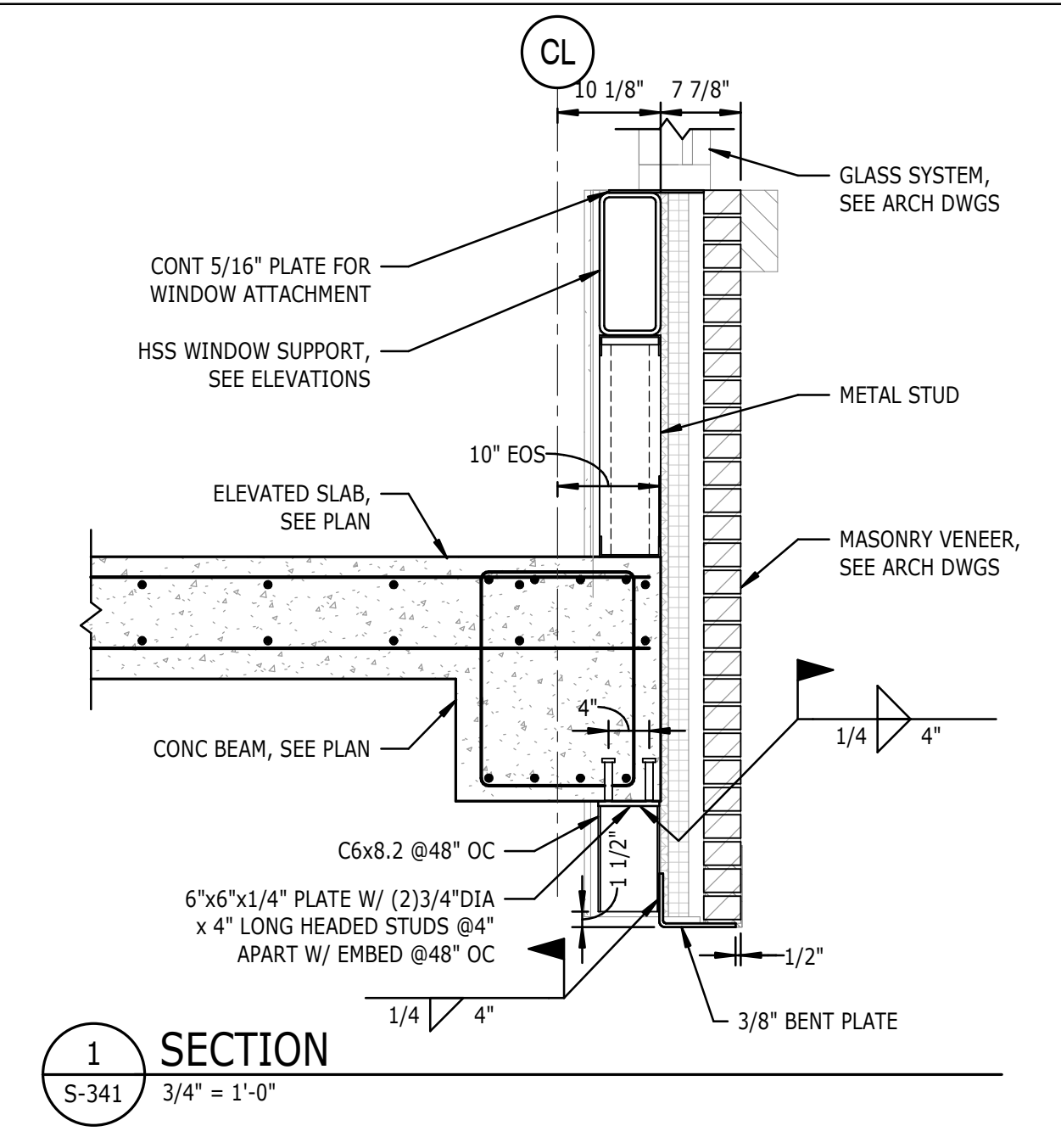
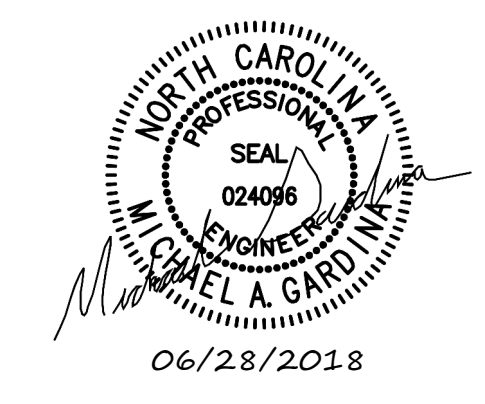


8 DETAIL

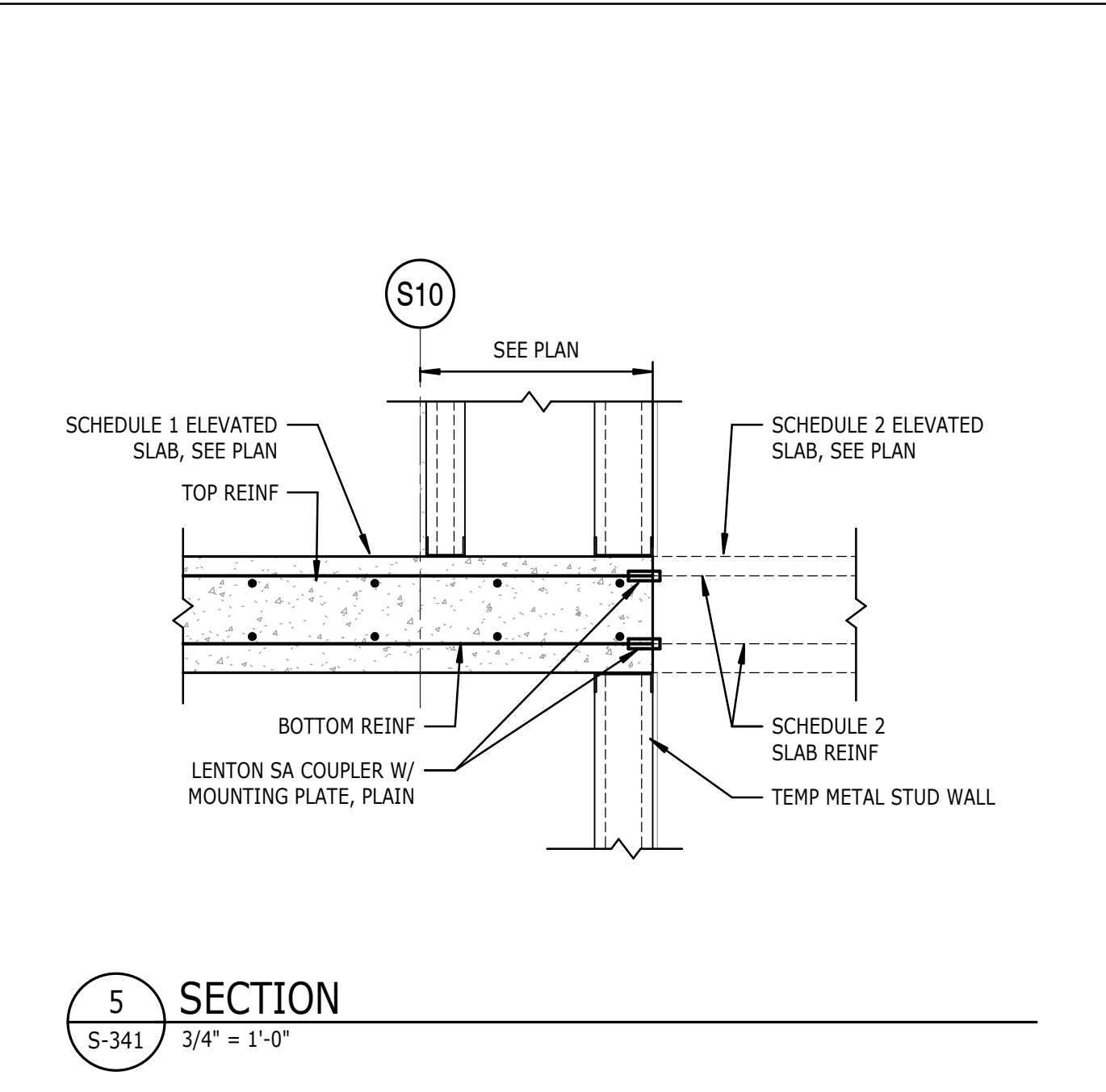
S-323 TYPICAL FOOTING FOR CONCRETE COLUMN
NTS

- NOTES:
- SEE SCHEDULES FOR SIZE, DEPTH AND REINFORCING.
 - CENTERLINE OF COLUMN IS CENTERLINE OF FOOTING, UNO.

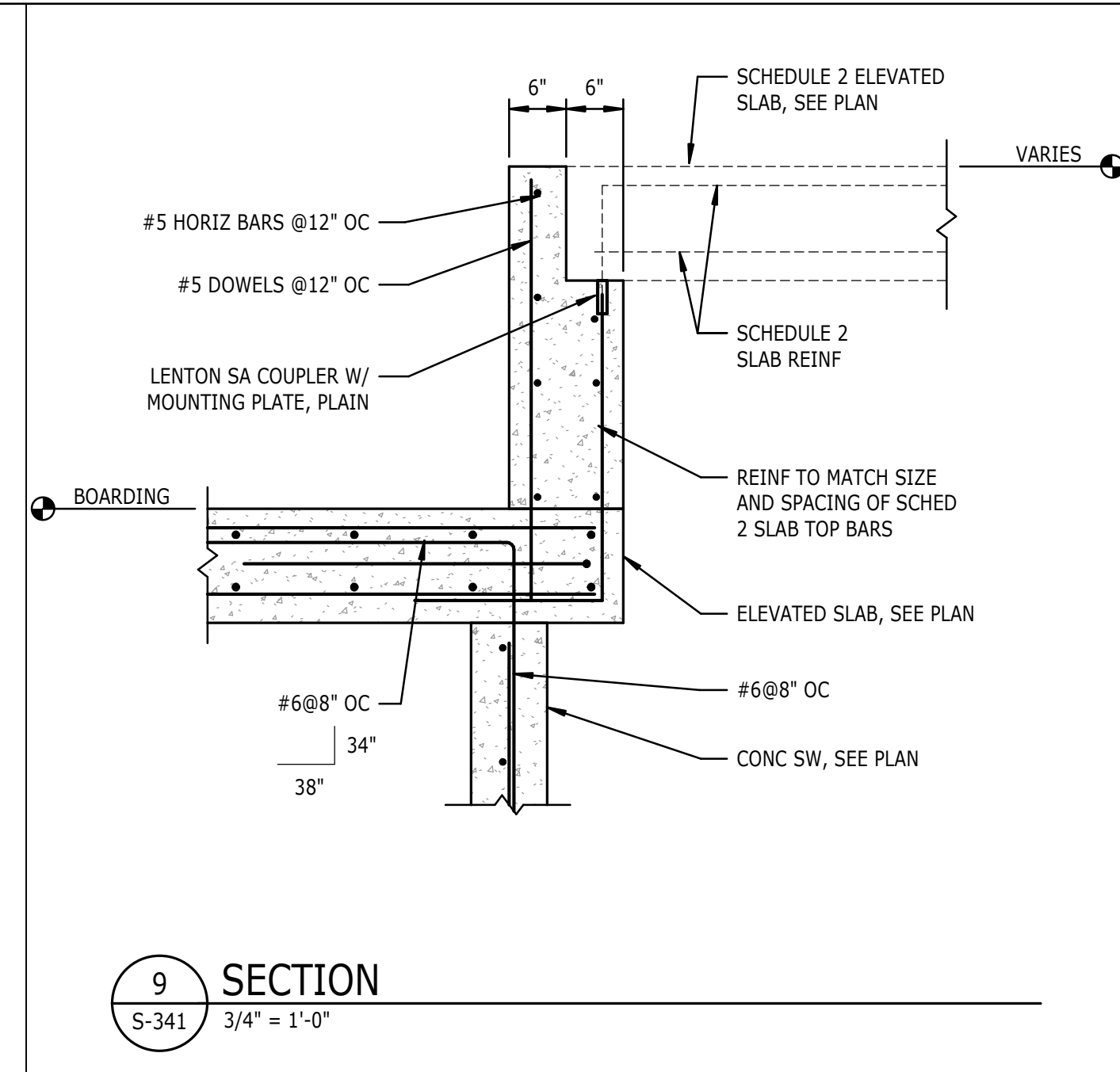
COLUMN VERT REINF	DOWEL REINF
#8	#6
#9	#7
#10	#7
#11	#8



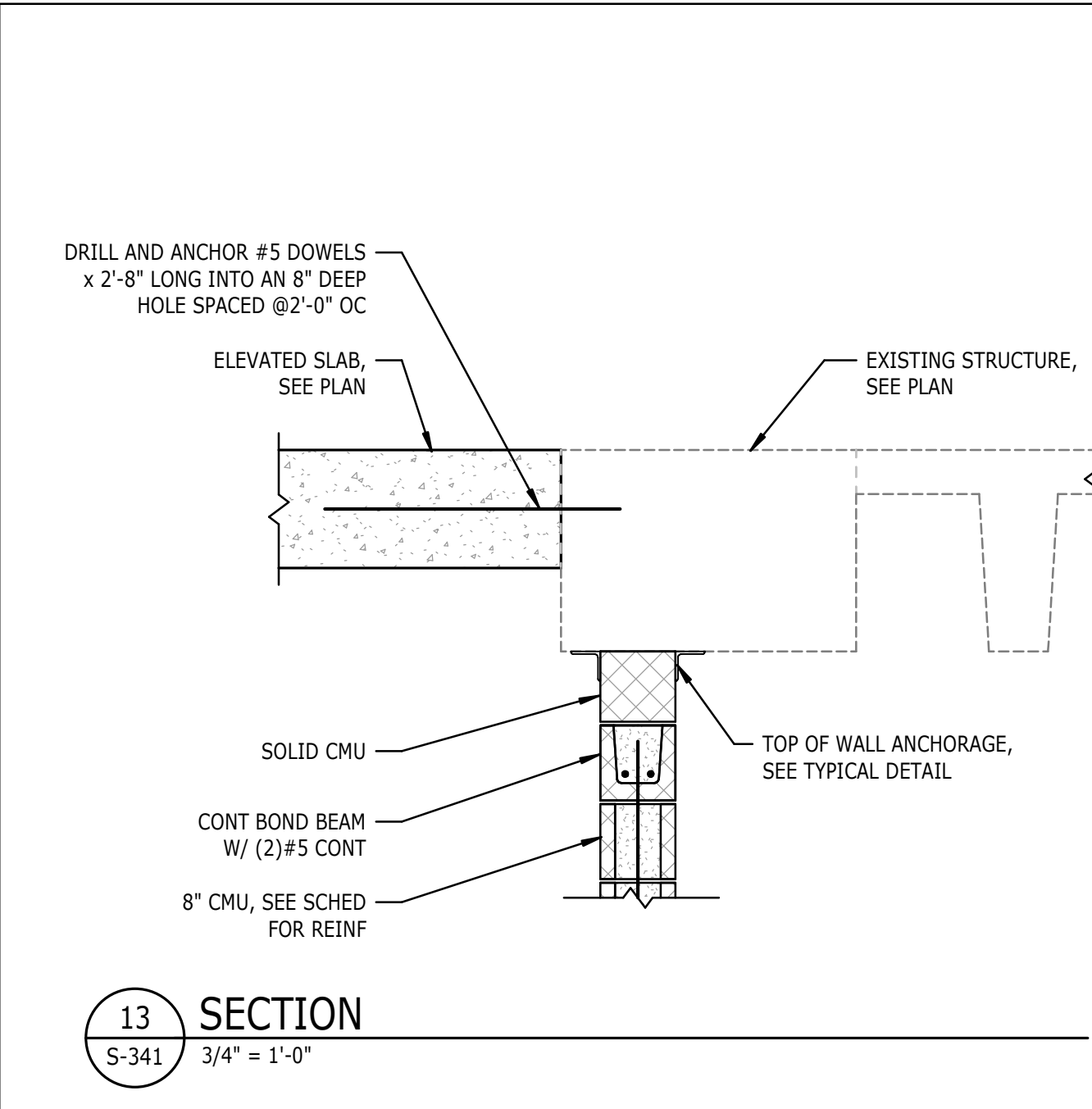
1 SECTION
S-341 3/4" = 1'-0"



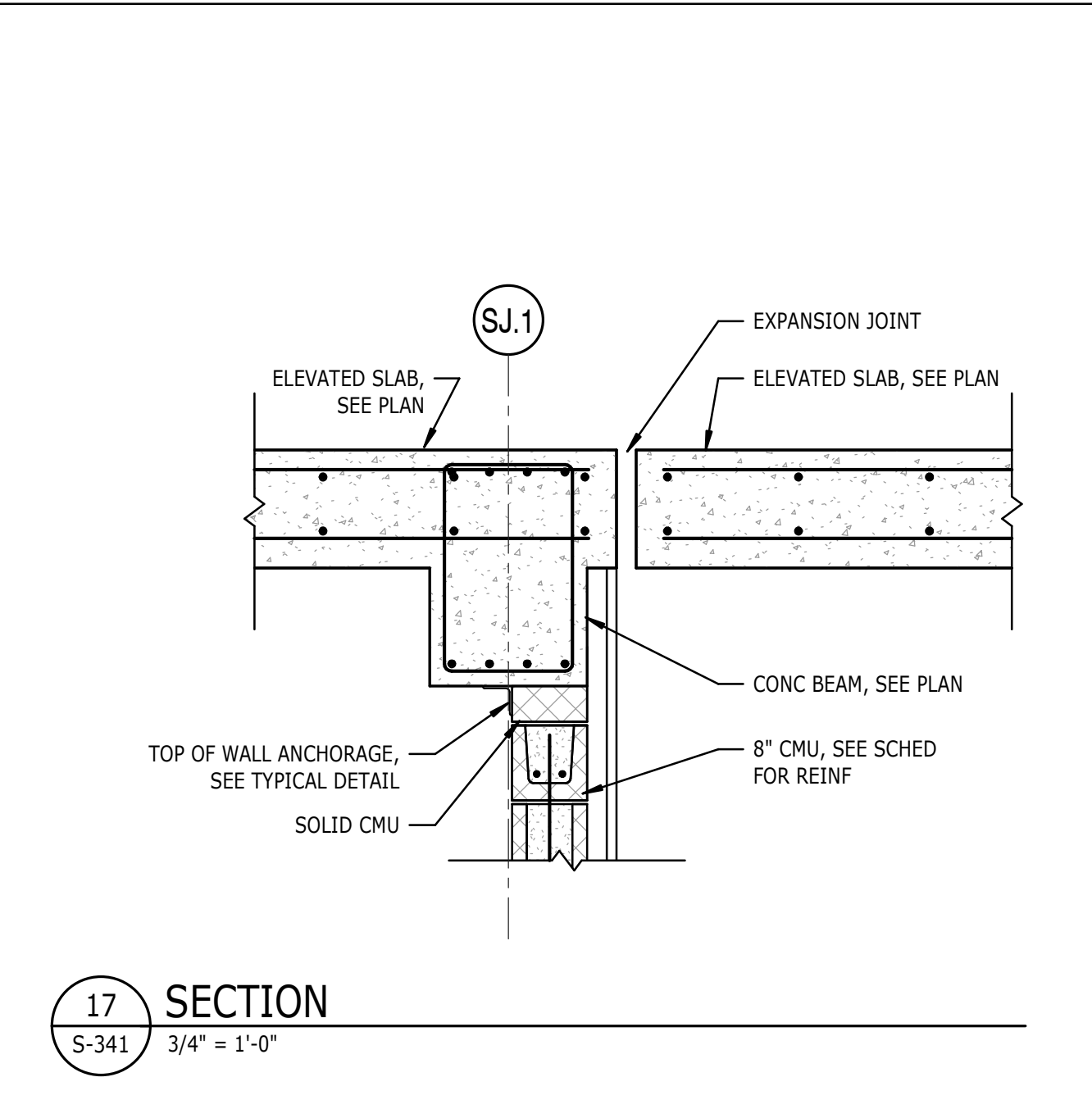
5 SECTION
S-341 3/4" = 1'-0"



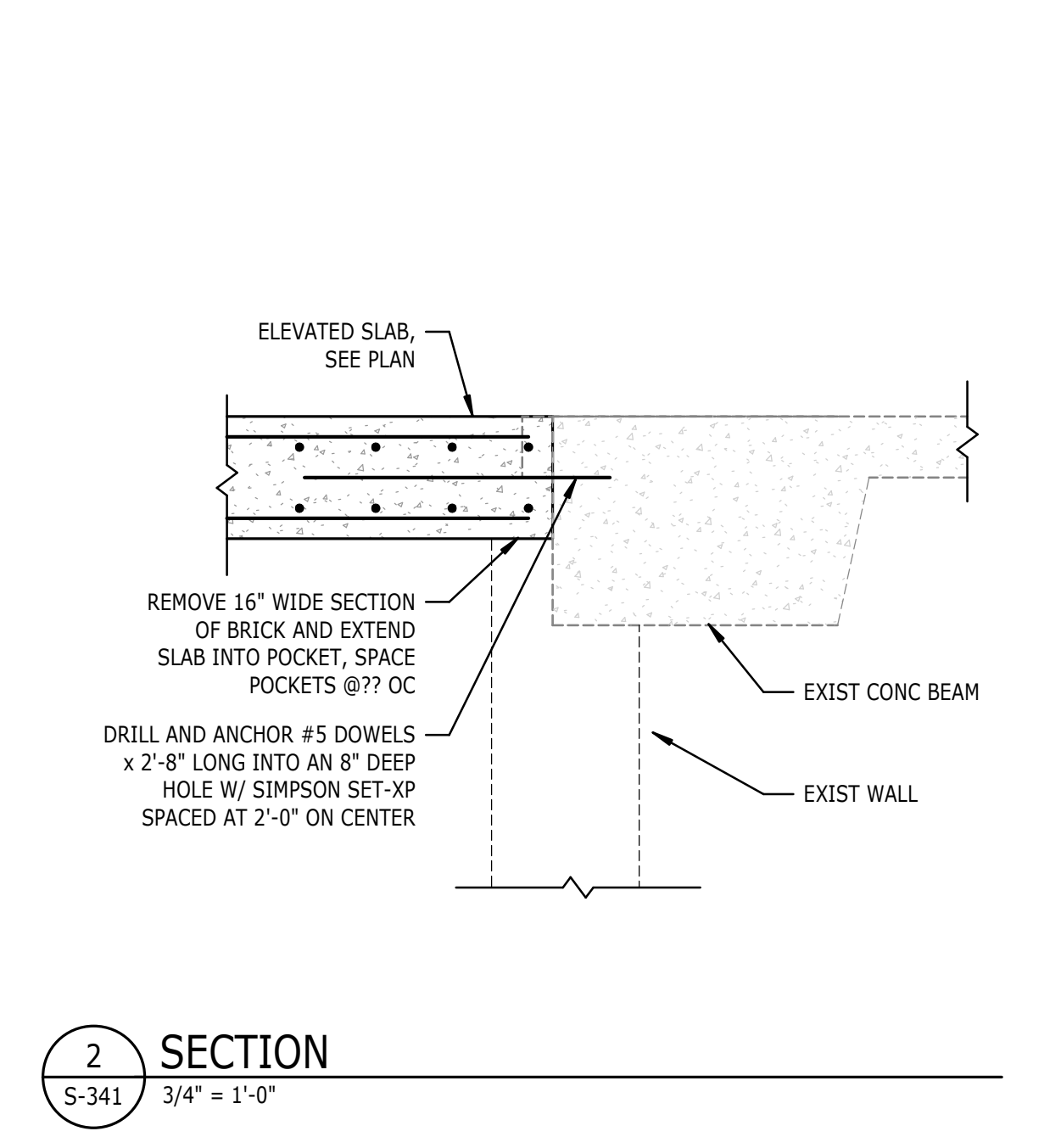
9 SECTION
S-341 3/4" = 1'-0"



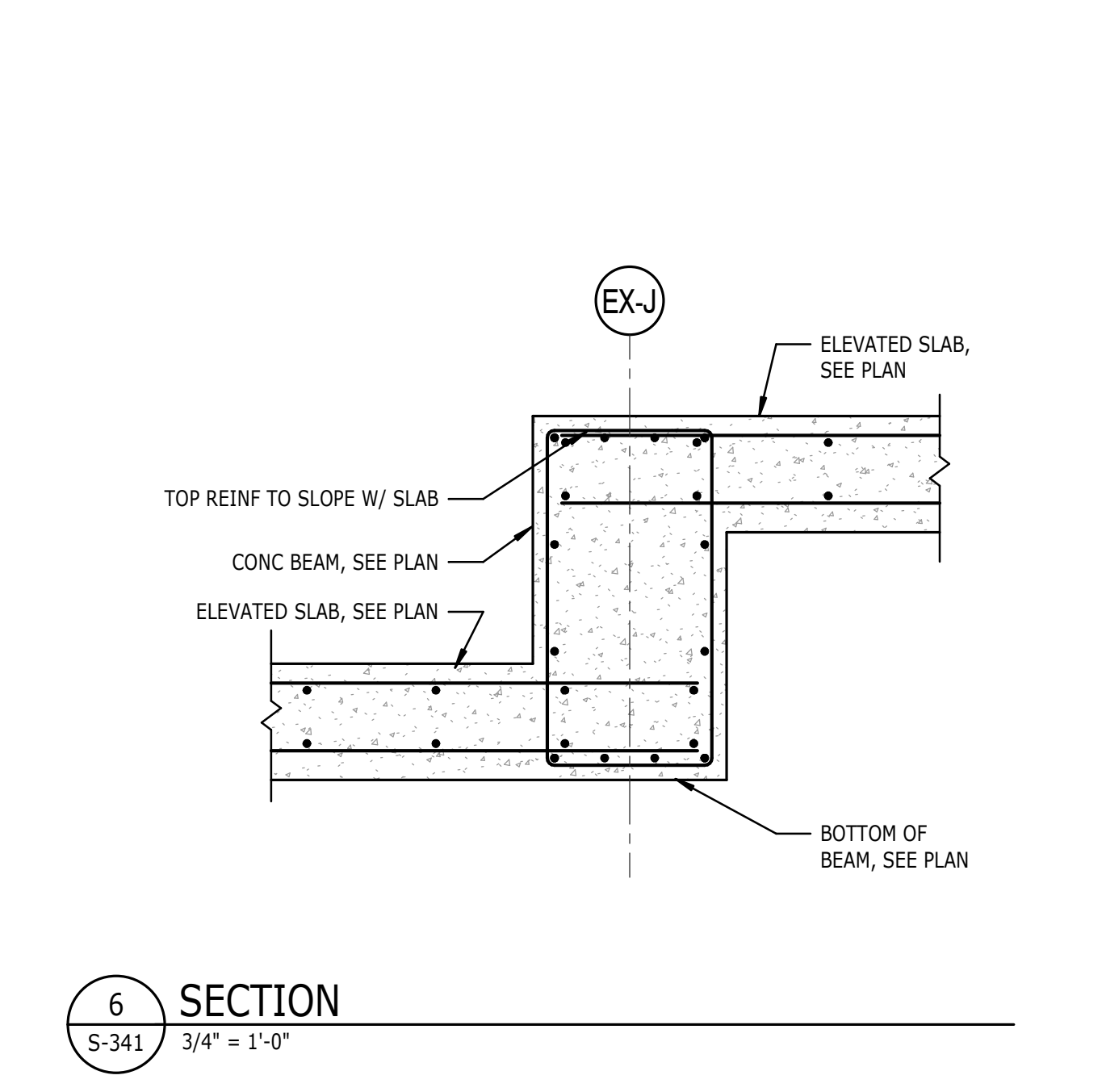
13 SECTION
S-341 3/4" = 1'-0"



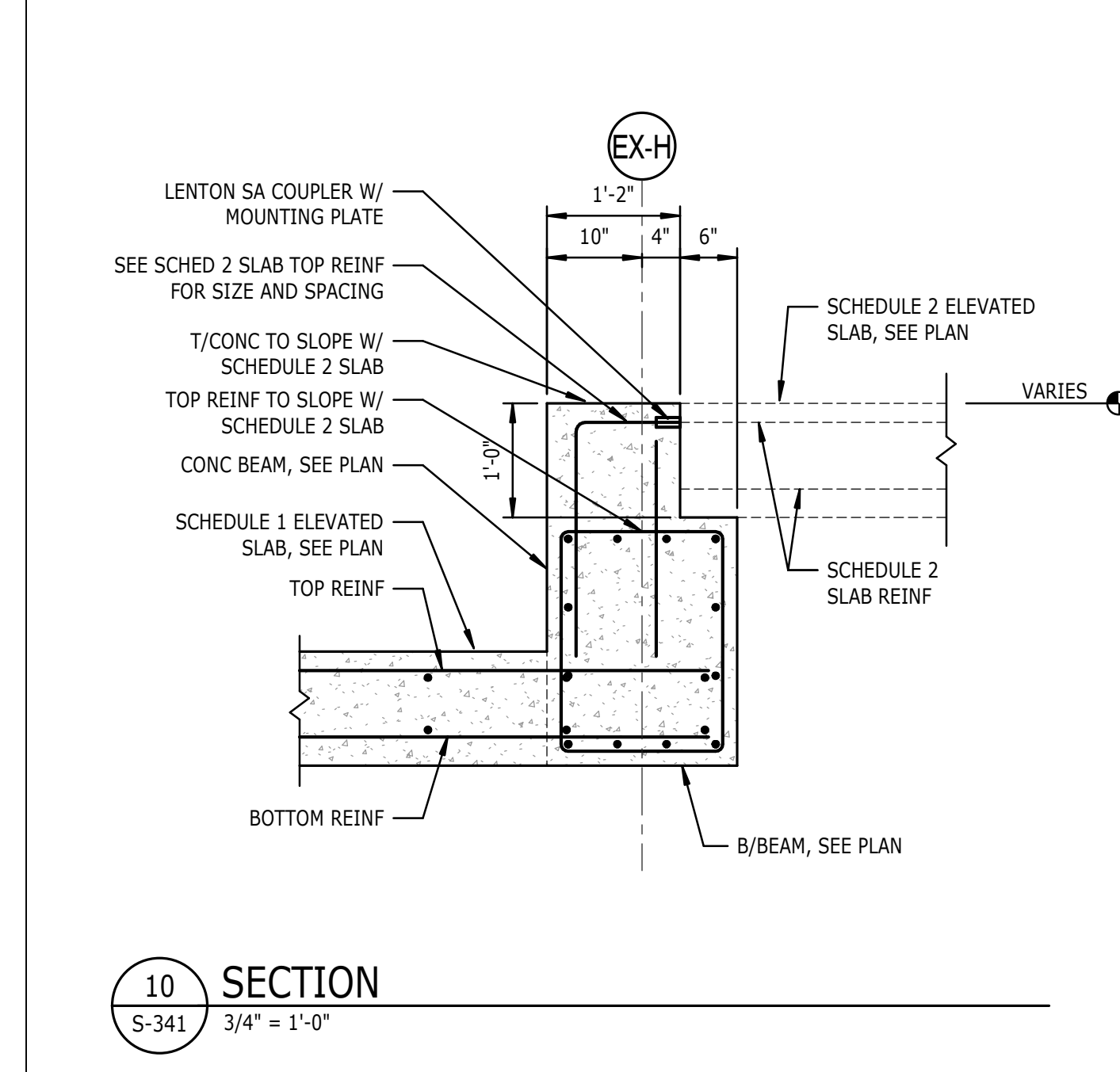
17 SECTION
S-341 3/4" = 1'-0"



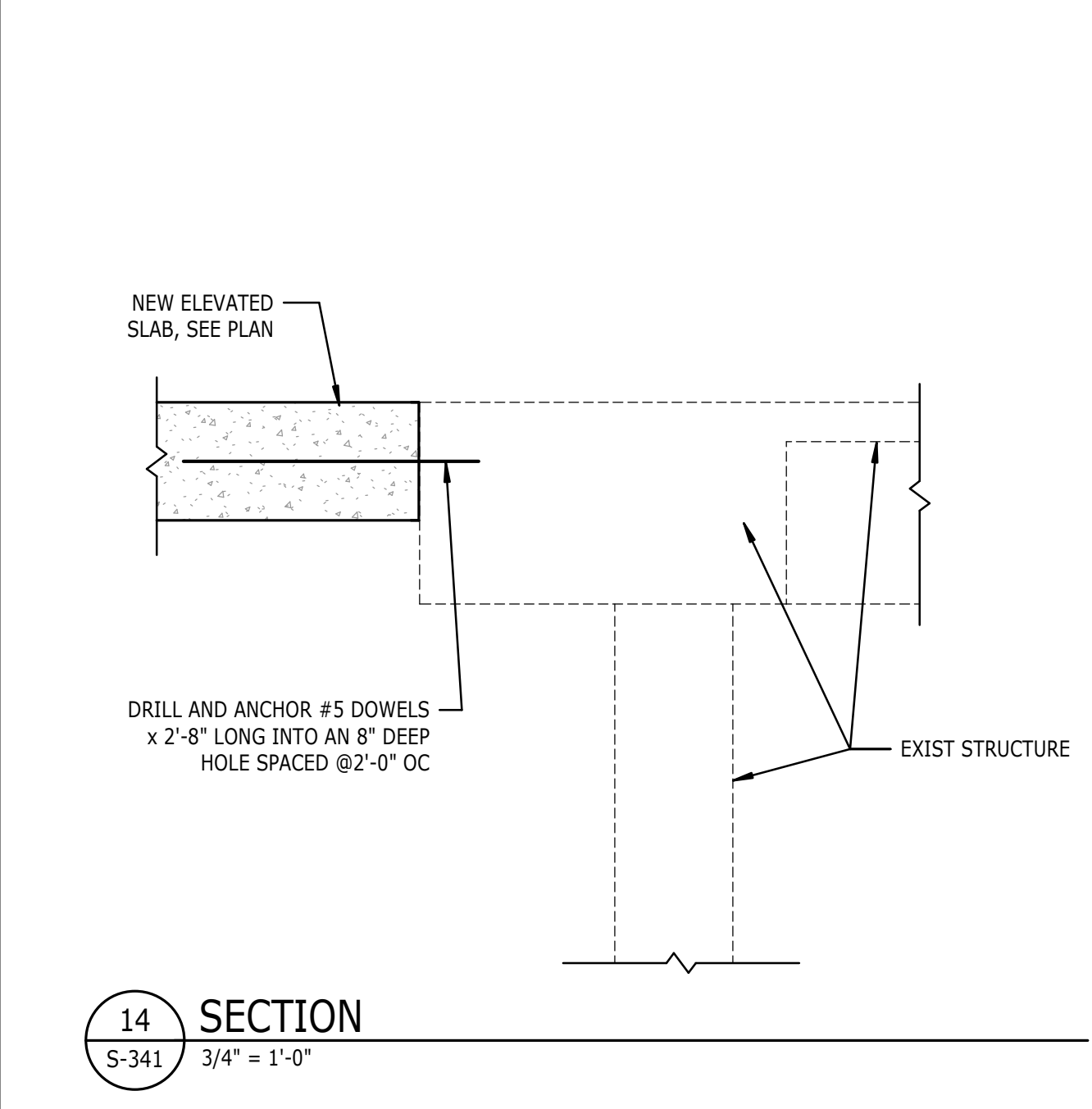
2 SECTION
S-341 3/4" = 1'-0"



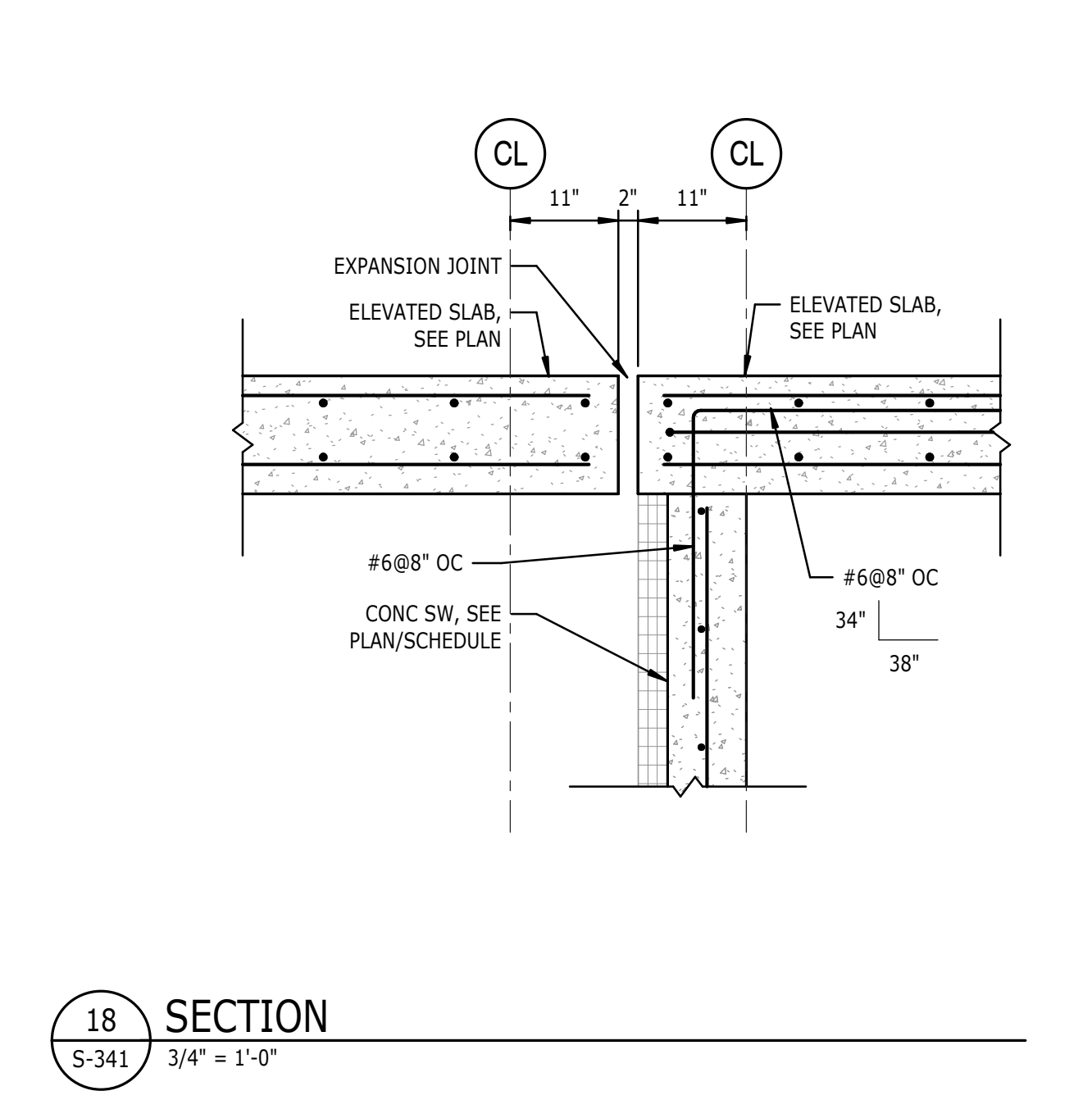
6 SECTION
S-341 3/4" = 1'-0"



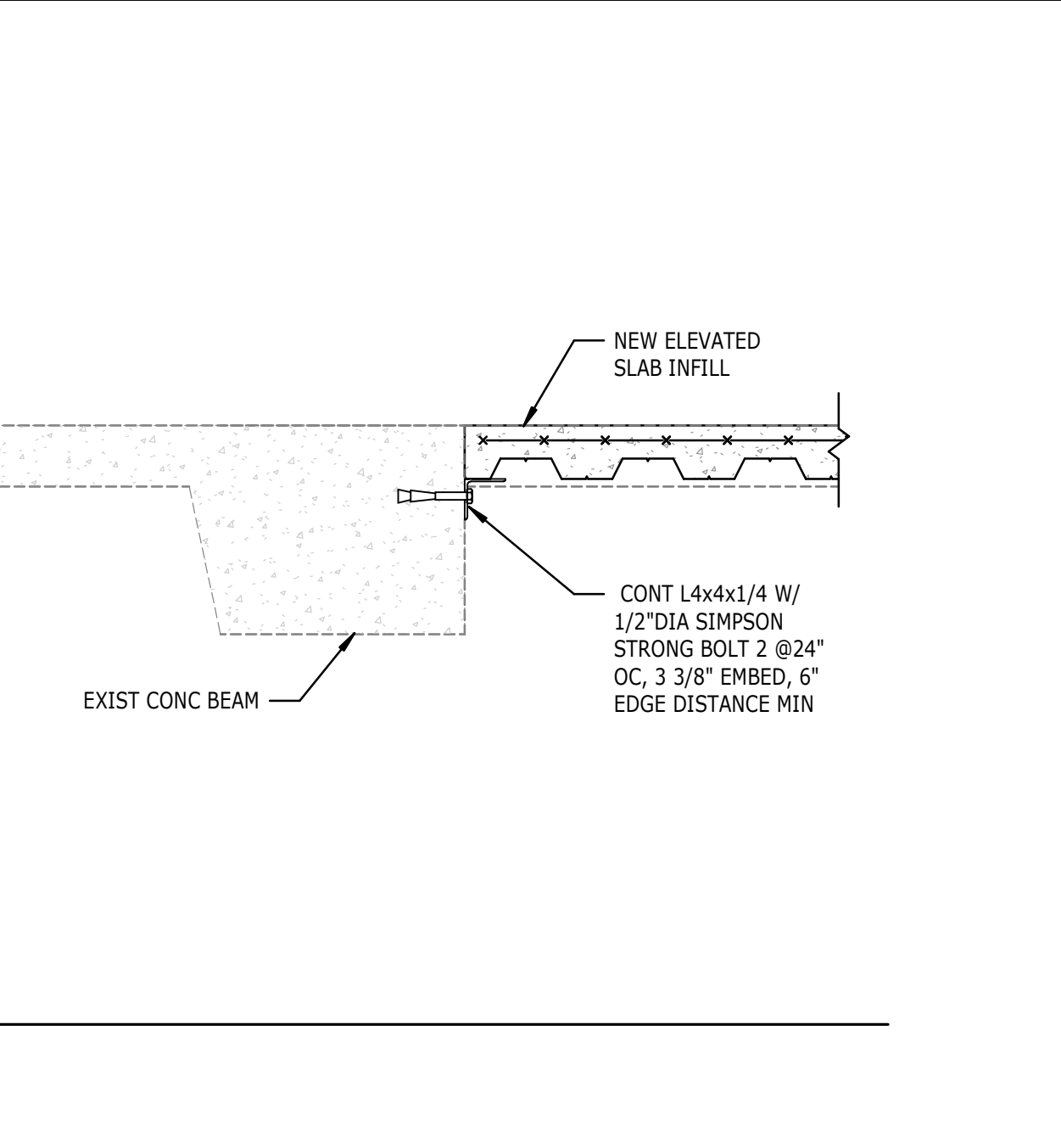
10 SECTION
S-341 3/4" = 1'-0"



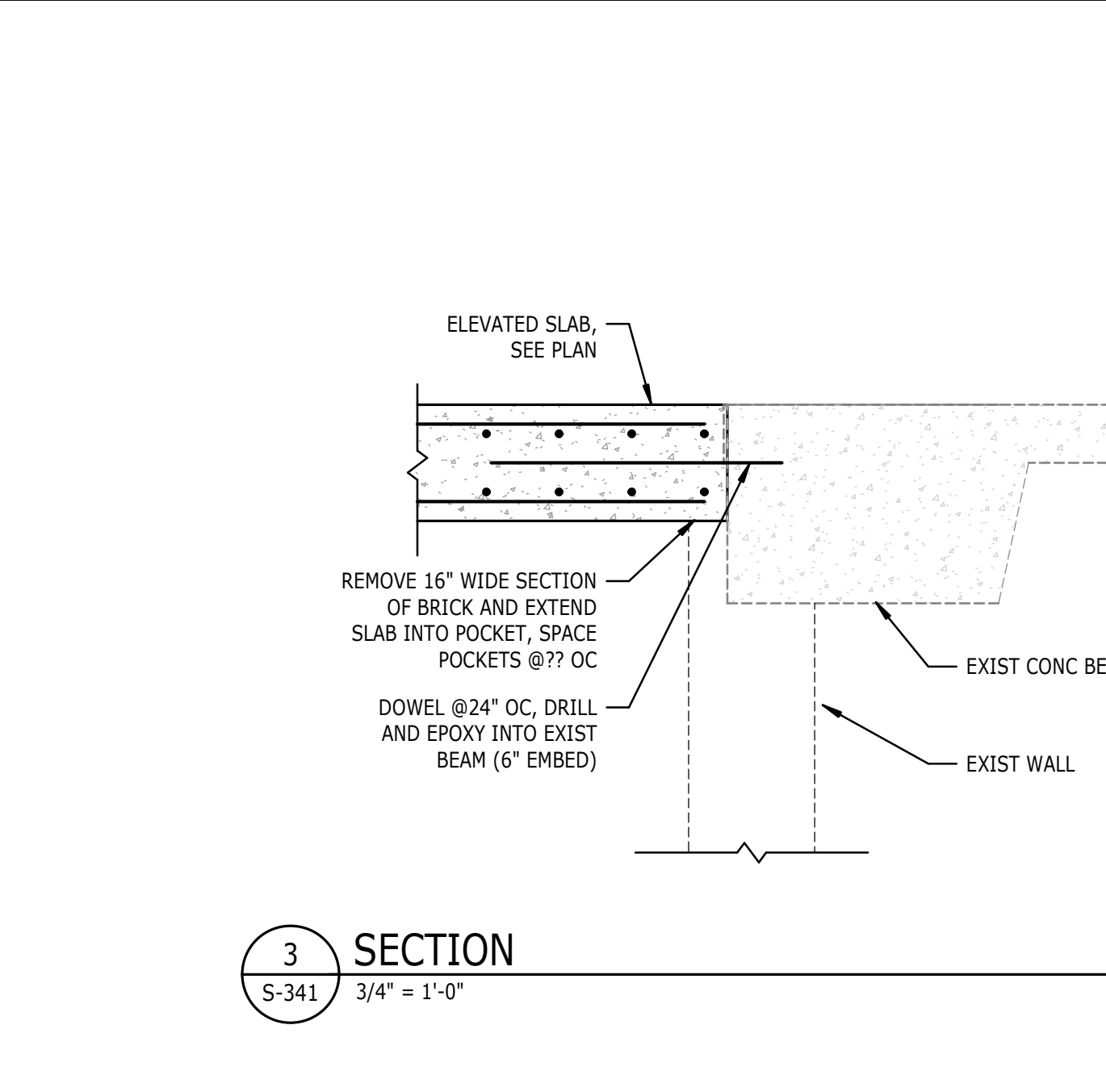
14 SECTION
S-341 3/4" = 1'-0"



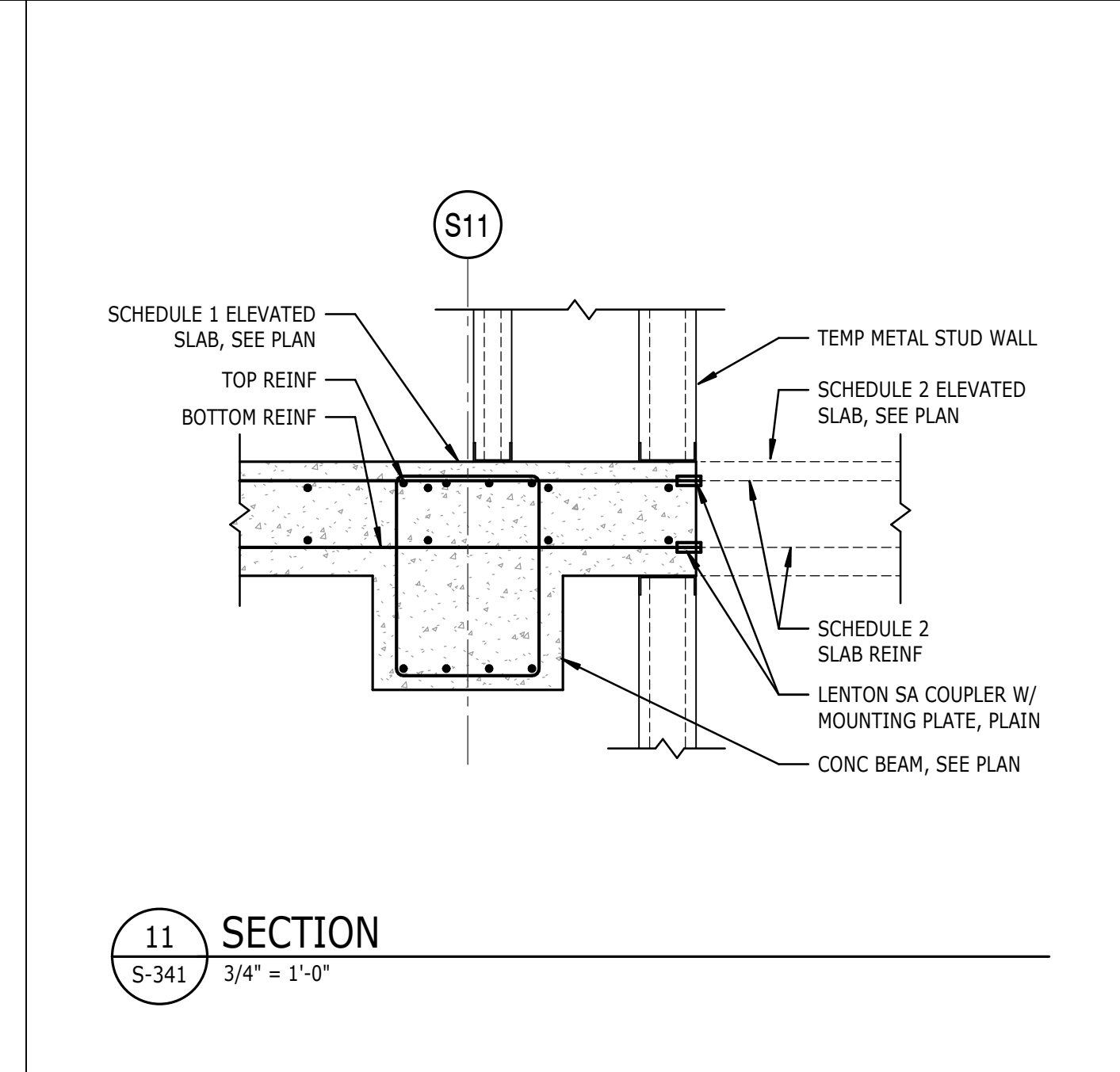
18 SECTION
S-341 3/4" = 1'-0"



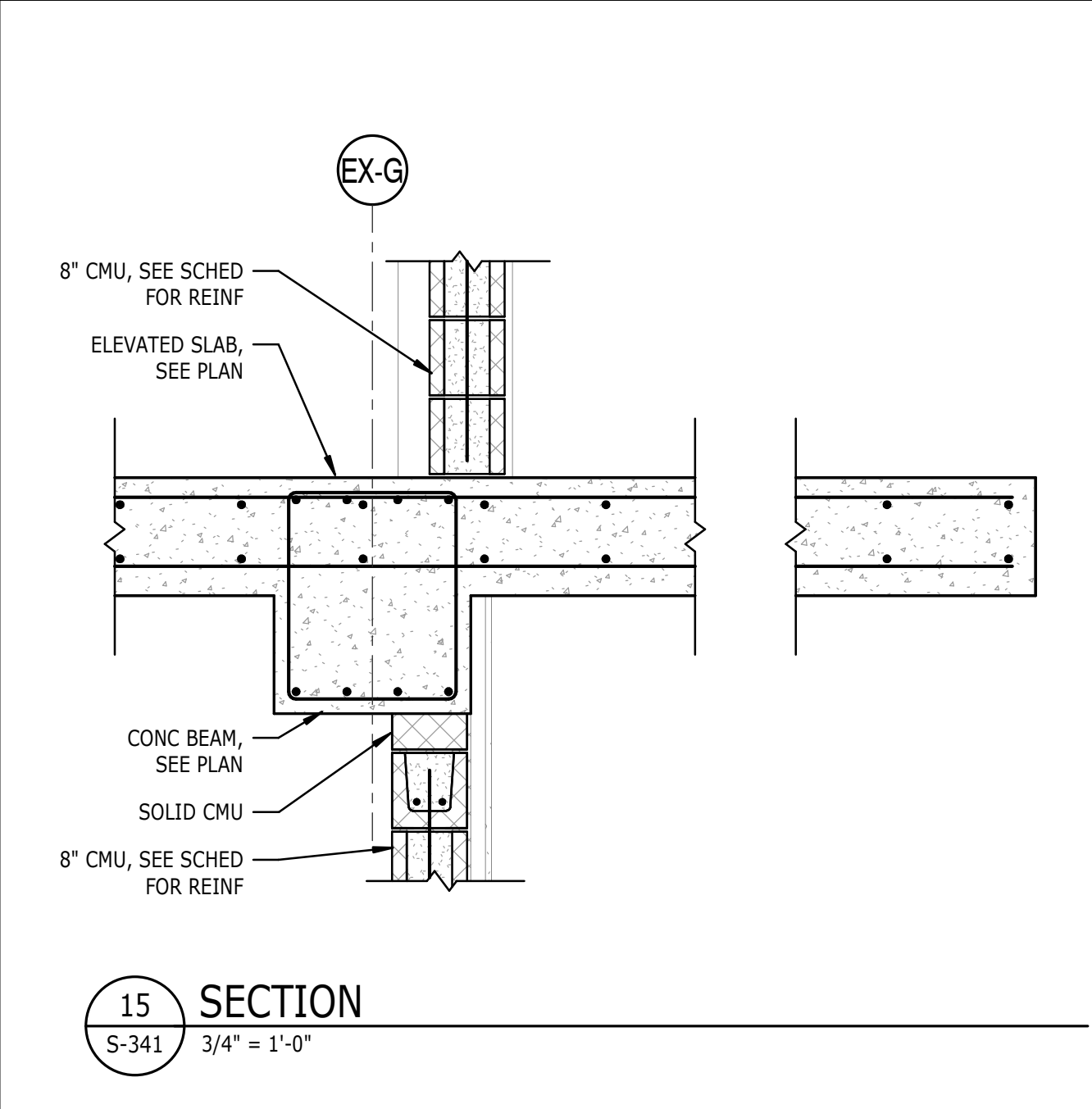
3 SECTION
S-341 3/4" = 1'-0"



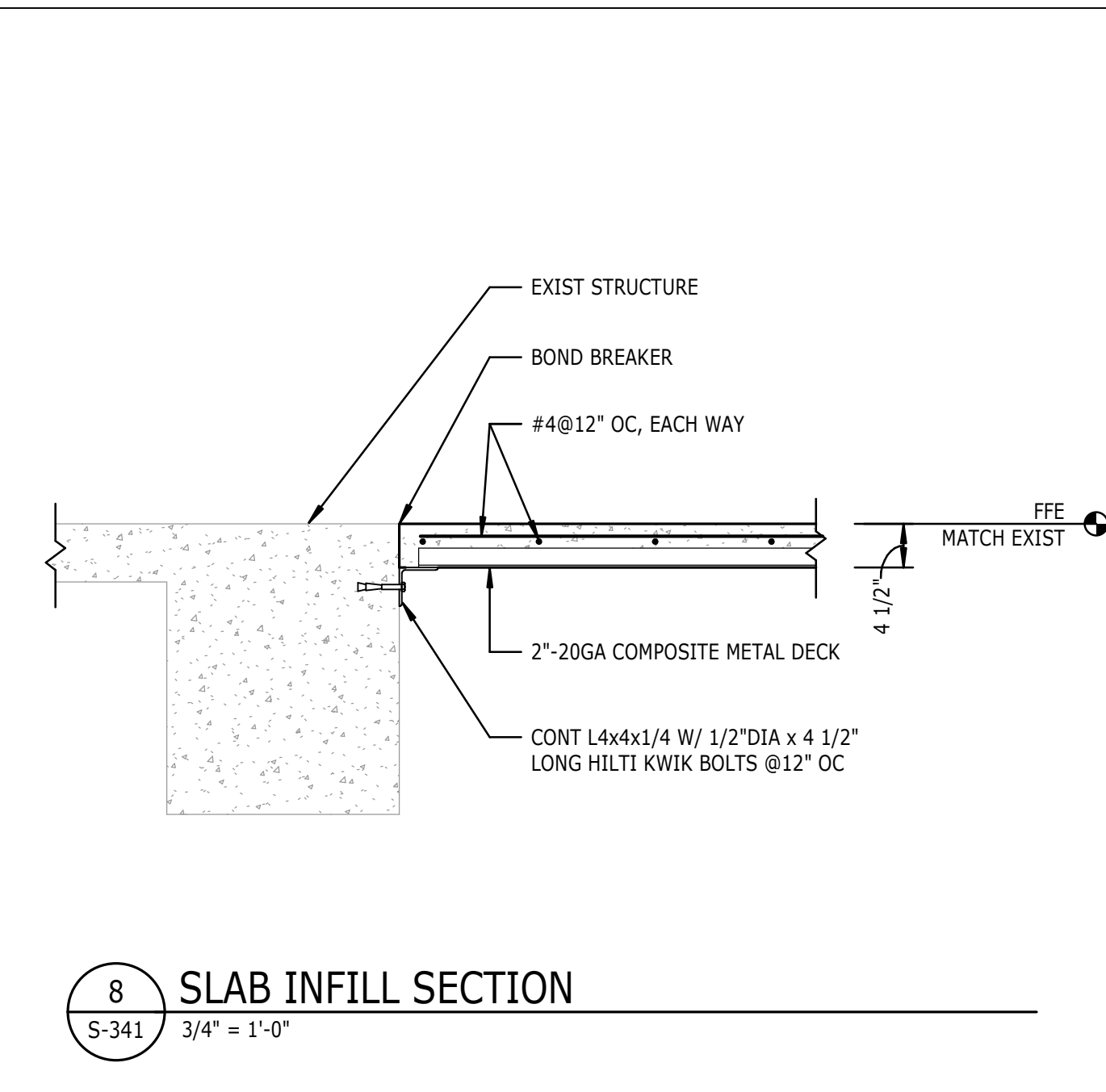
11 SECTION
S-341 3/4" = 1'-0"



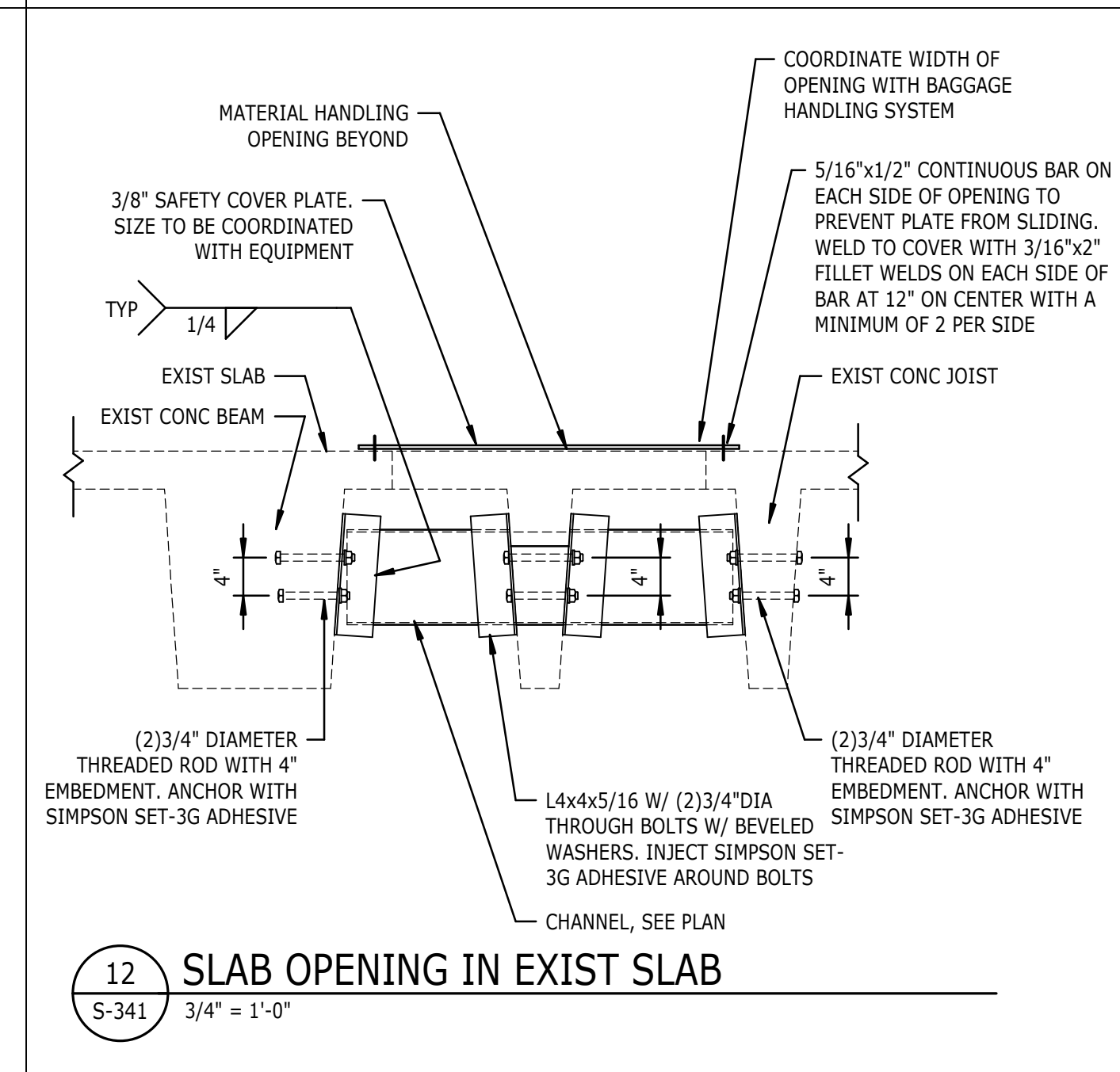
15 SECTION
S-341 3/4" = 1'-0"



16 SECTION
S-341 1" = 1'-0"



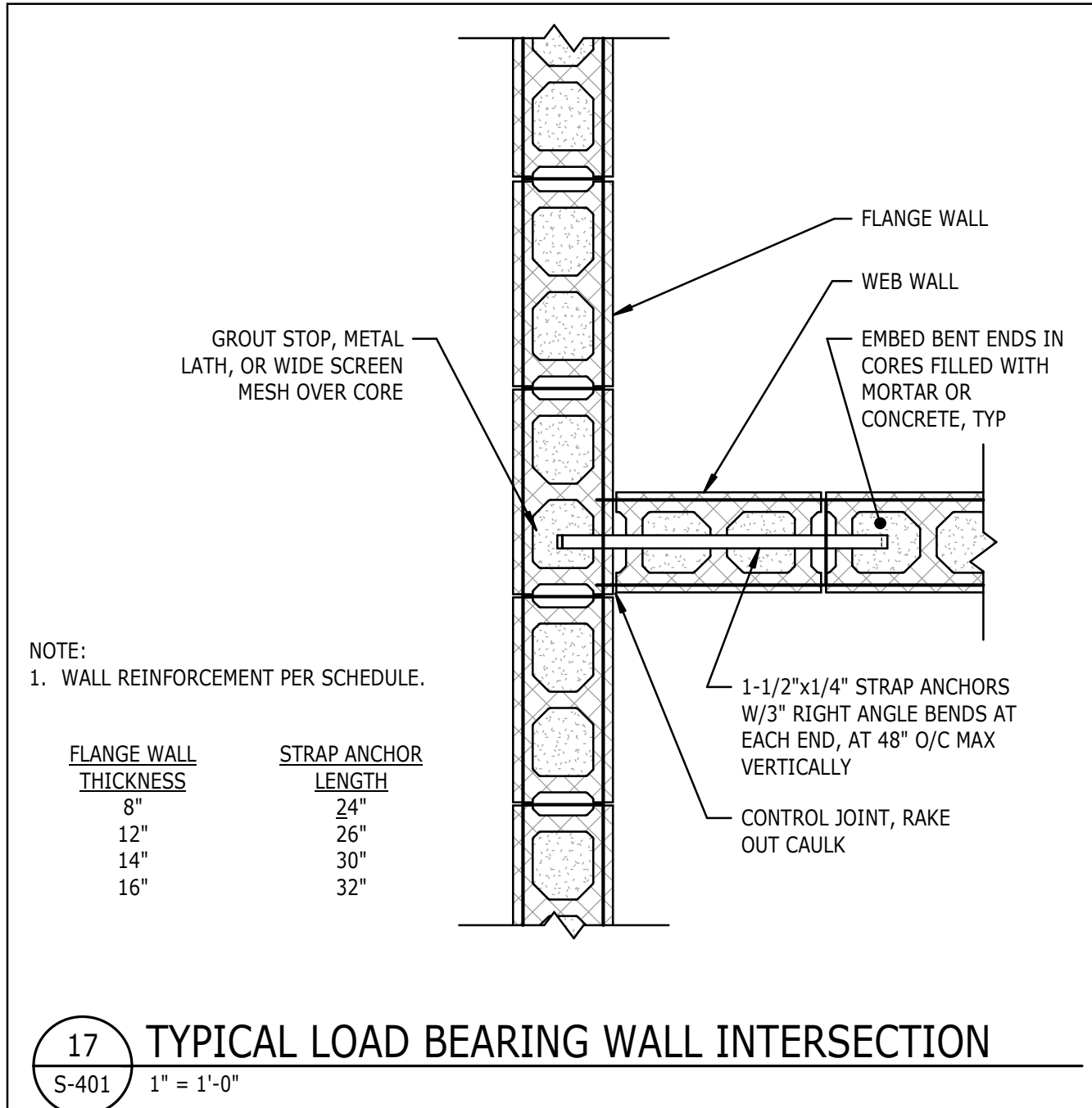
8 SLAB INFILL SECTION
S-341 3/4" = 1'-0"



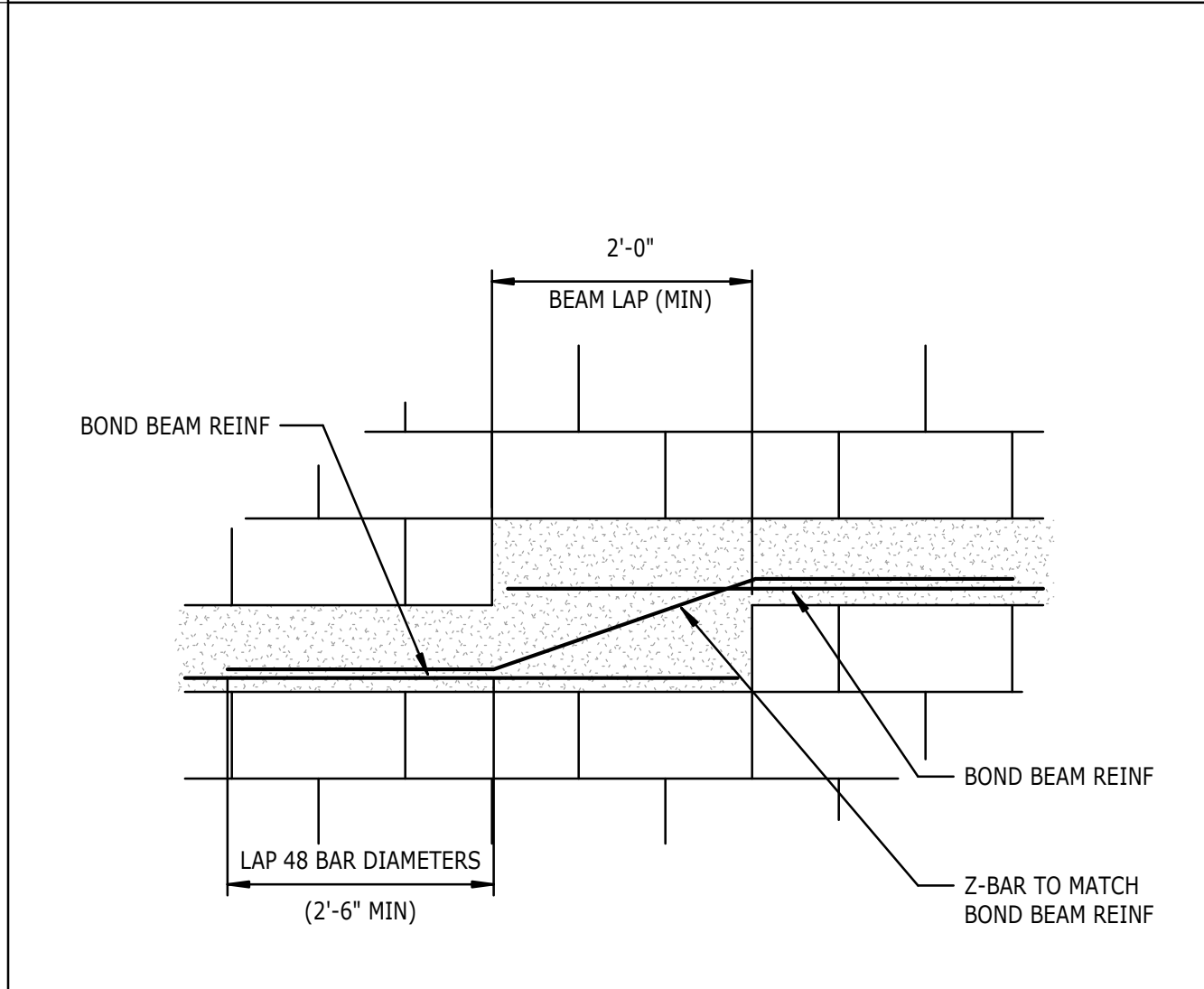
12 SLAB OPENING IN EXIST SLAB
S-341 3/4" = 1'-0"



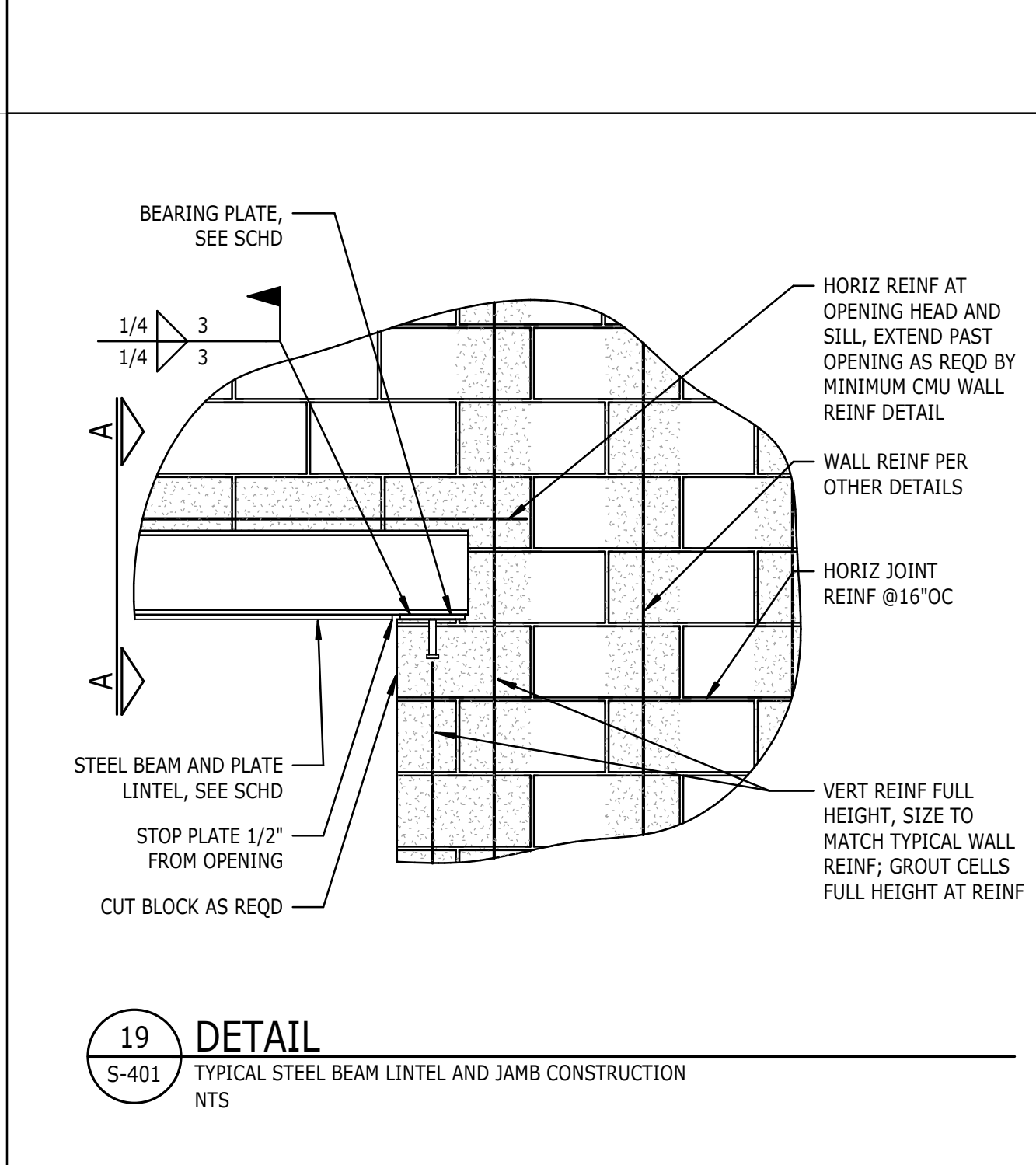
19 SECTION
S-341 1" = 1'-0"



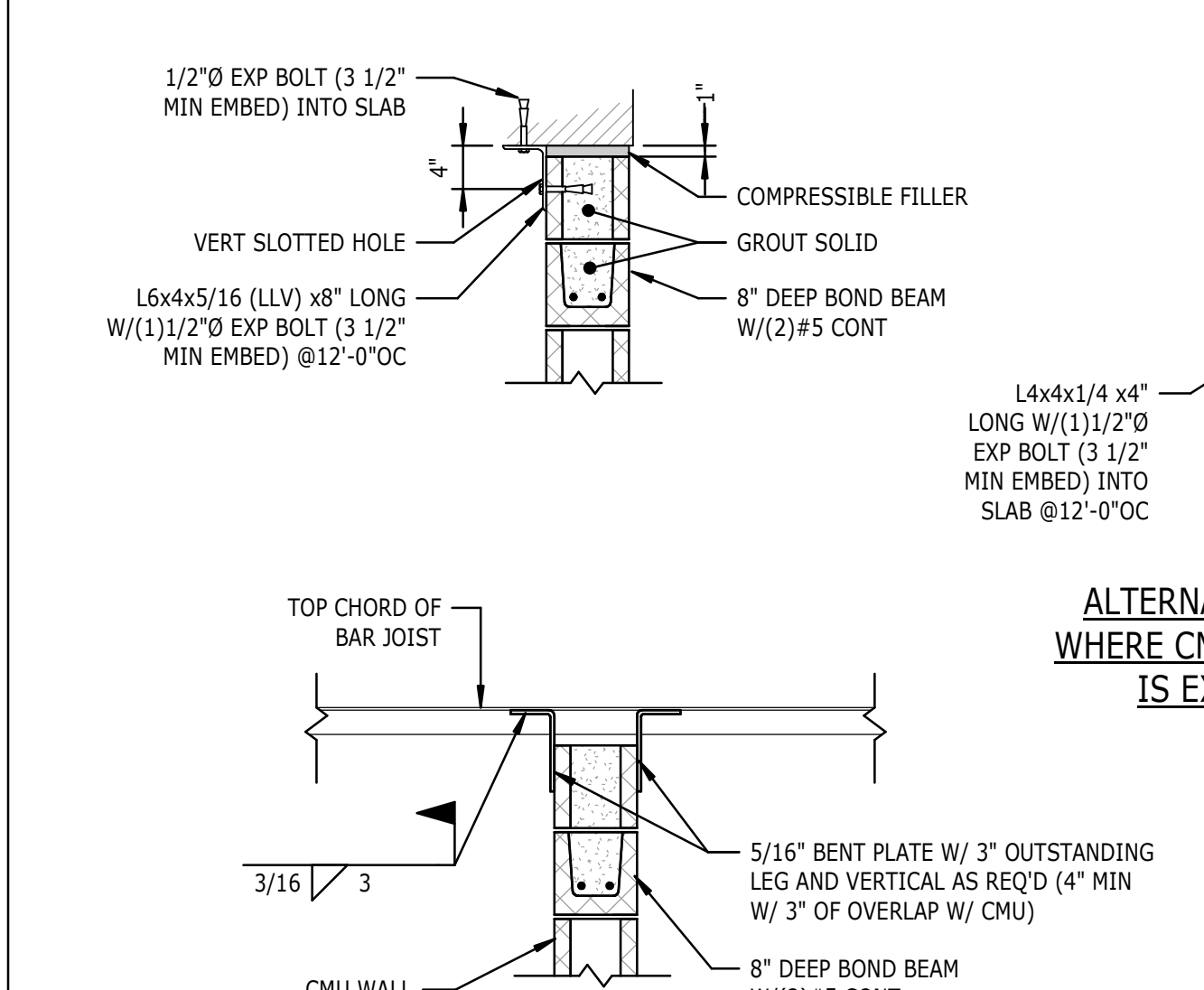
17 TYPICAL LOAD BEARING WALL INTERSECTION
S-401 1" = 1'-0"



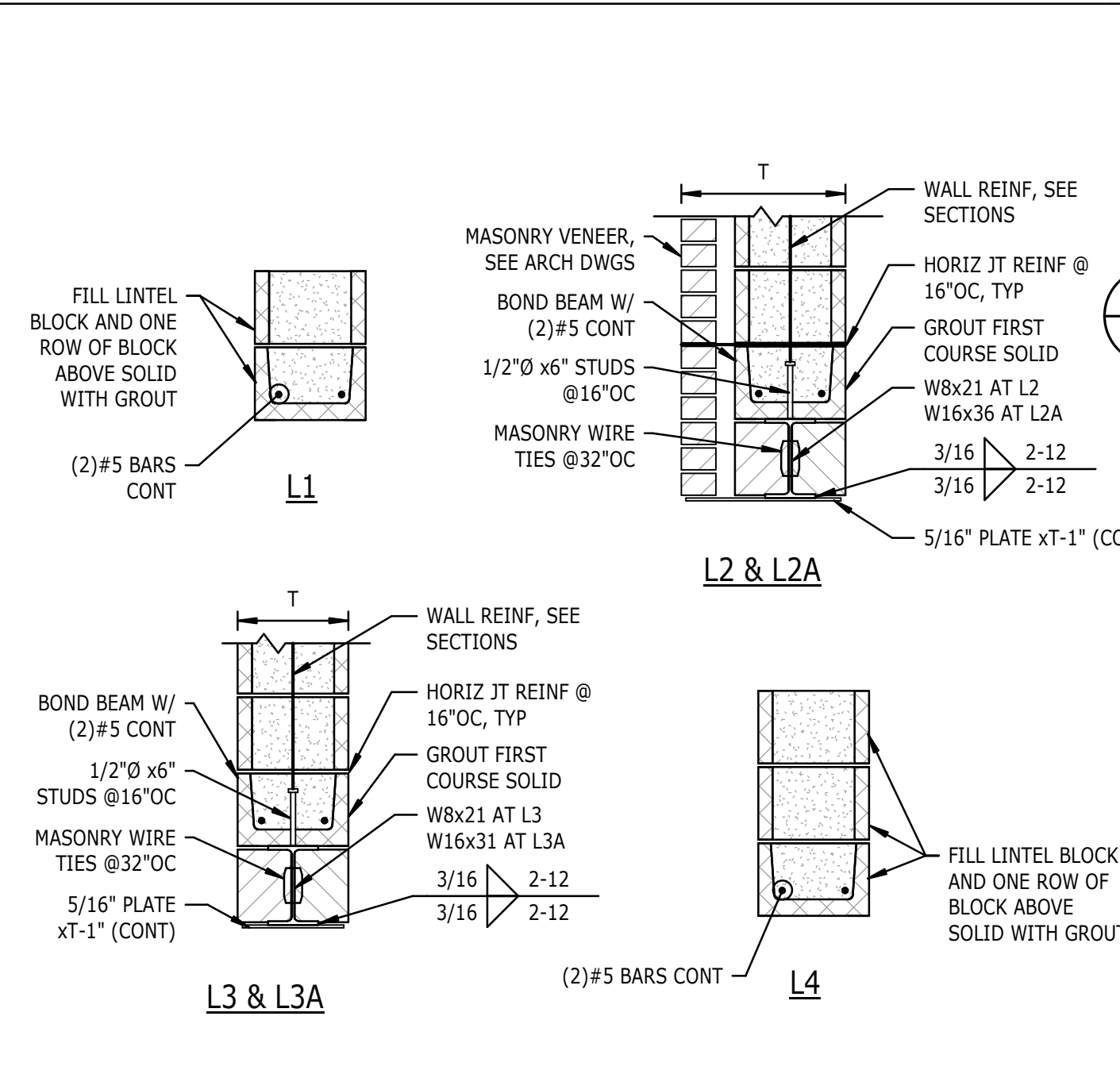
18 TYPICAL STEP IN BOND BEAM
S-401 3/4" = 1'-0"



19 DETAIL
S-401 TYPICAL STEEL BEAM LINTEL AND JAMB CONSTRUCTION NTS

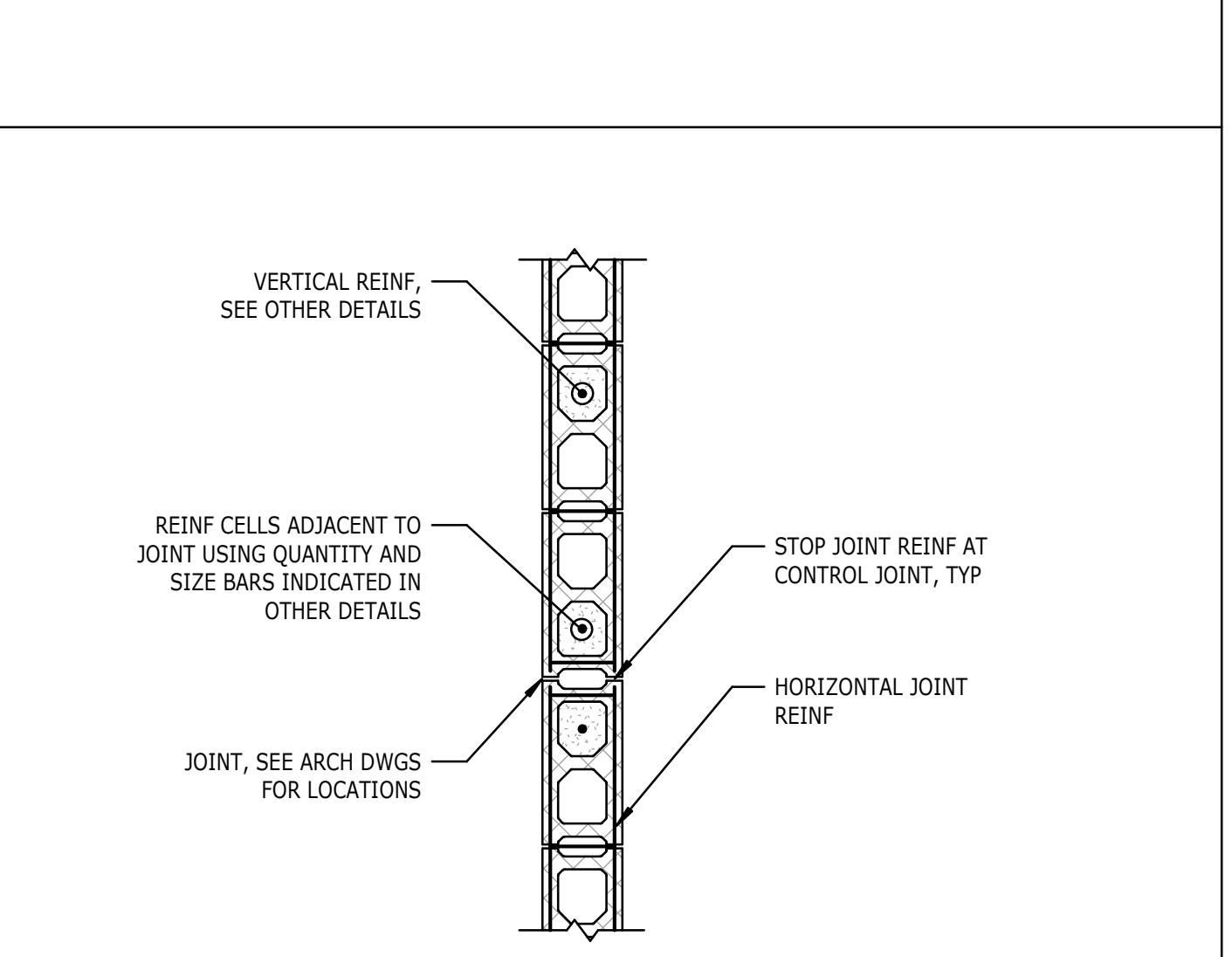


16 TYPICAL INTERIOR PARTITION BRACING
S-401 3/4" = 1'-0"

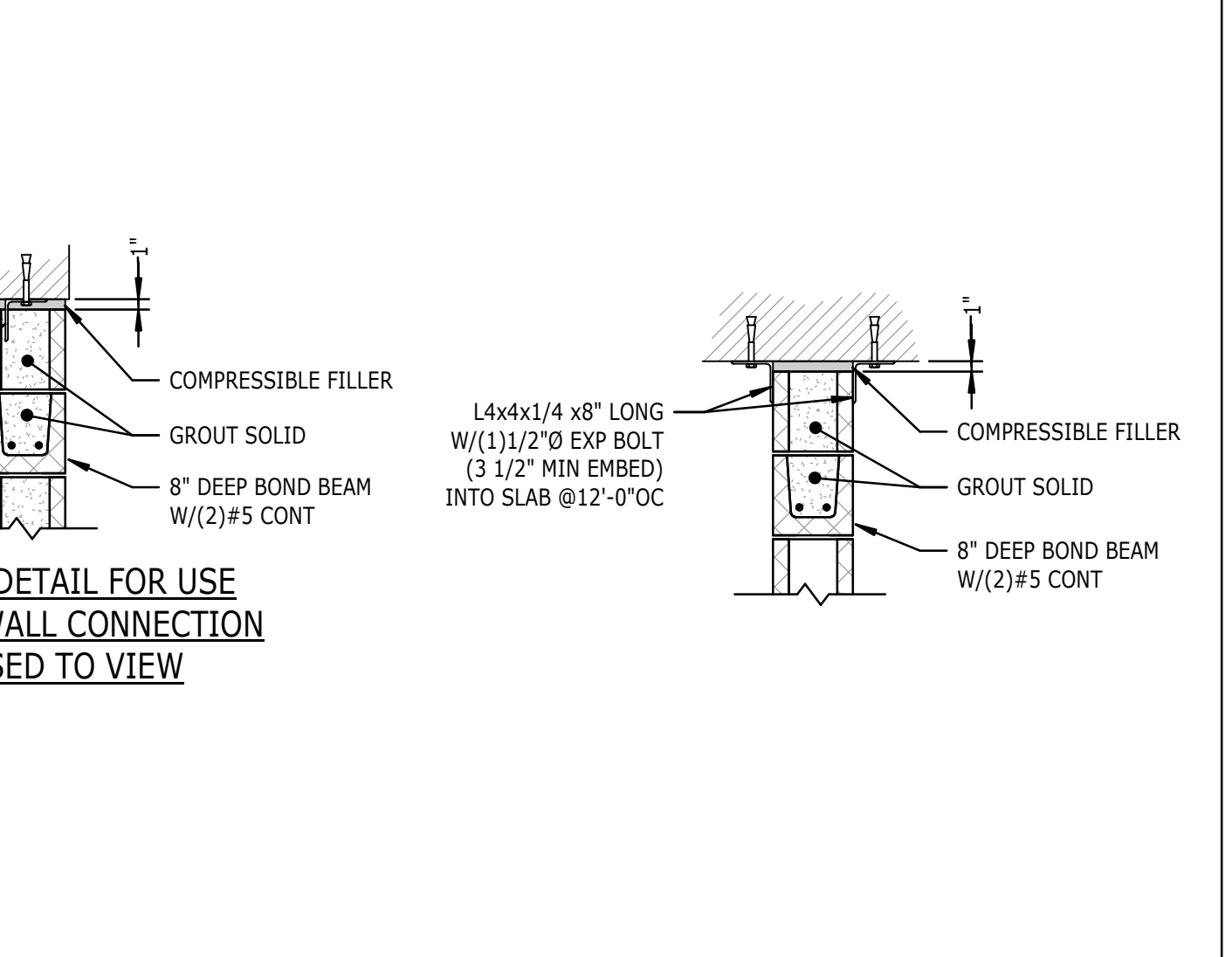


9 SCHEDULE
S-401 CMU WALL OPENING LINTEL SCHEDULE NTS
NOTES:
1. FOR LINTELS IN CMU WALLS, MATCH CORRESPONDING WALL WIDTH.
2. 1" MINIMUM CLEAR SPACE SHALL BE PROVIDED AROUND ALL REINFORCING.
3. WALL ABOVE LINTEL SHALL BE REINFORCED VERTICALLY SIMILAR TO WALL ON EITHER SIDE OF LINTEL.
4. HORIZONTAL REINFORCING SHALL EXTEND BEYOND EDGE OF OPENING PER LINTEL/JAMB REINFORCING DETAILS THIS SHEET.
5. LINTEL OVER OPENINGS NOTE SHOWN ON PLAN SHALL BE AS FOLLOWS (INTERIOR OR EXTERIOR WALLS):
6. FOR OPENINGS UP TO 5'-0", PROVIDE TYPE L1 LINTEL. FOR OPENINGS UP TO 5'-0" IN CMU + BRICK WALL, PROVIDE TYPE L1 LINTEL AND SEE LOOSE LINTEL SCHEDULE FOR SIZE OF ANGLE.
7. FOR OPENING 5'-1" TO 10'-0" IN CMU + BRICK WALLS, PROVIDE TYPE L2 LINTEL WITH 8" BEARING. FOR OPENINGS 5'-1" TO 10'-0" IN CMU WALLS, PROVIDE TYPE L3 LINTEL WITH 8" BEARING.
8. FOR OPENING 10'-1" TO 16'-0" IN CMU + BRICK WALLS, PROVIDE TYPE L2A LINTEL WITH 8" BEARING. FOR OPENINGS 10'-1" TO 16'-0" IN CMU WALLS, PROVIDE TYPE L3A LINTEL WITH 8" BEARING.
9. ALL EXTERIOR LINTELS SHALL BE HOT-DIPPED GALVANIZED.
10. STEEL FABRICATOR TO INSTALL WIRE TIES TO BEAM DURING LINTEL FABRICATION. COORDINATE LOCATION AND SPACING WITH MASONRY CONTRACTOR.

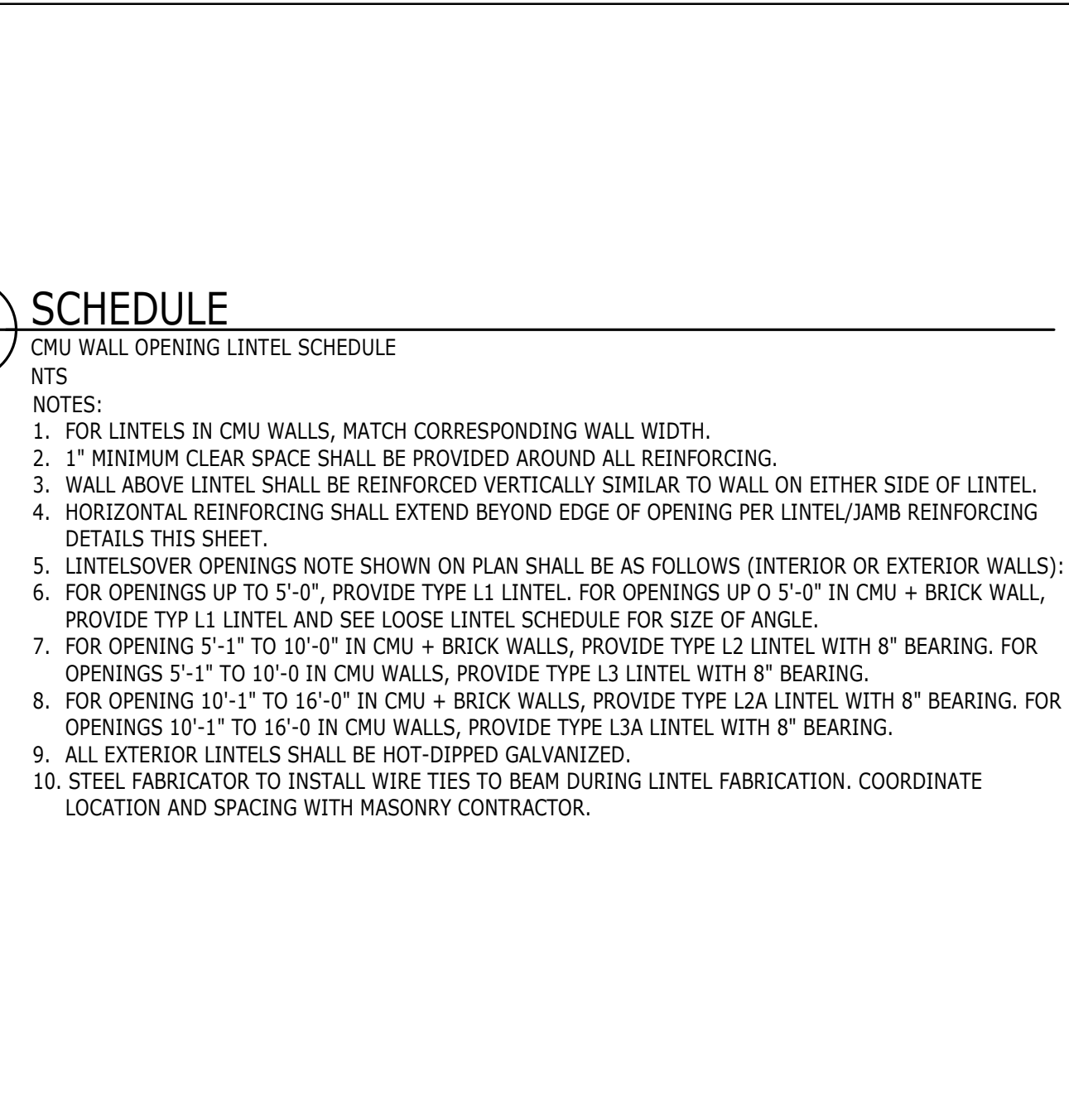
14 TYPICAL CMU CORNER
S-401 3/4" = 1'-0"



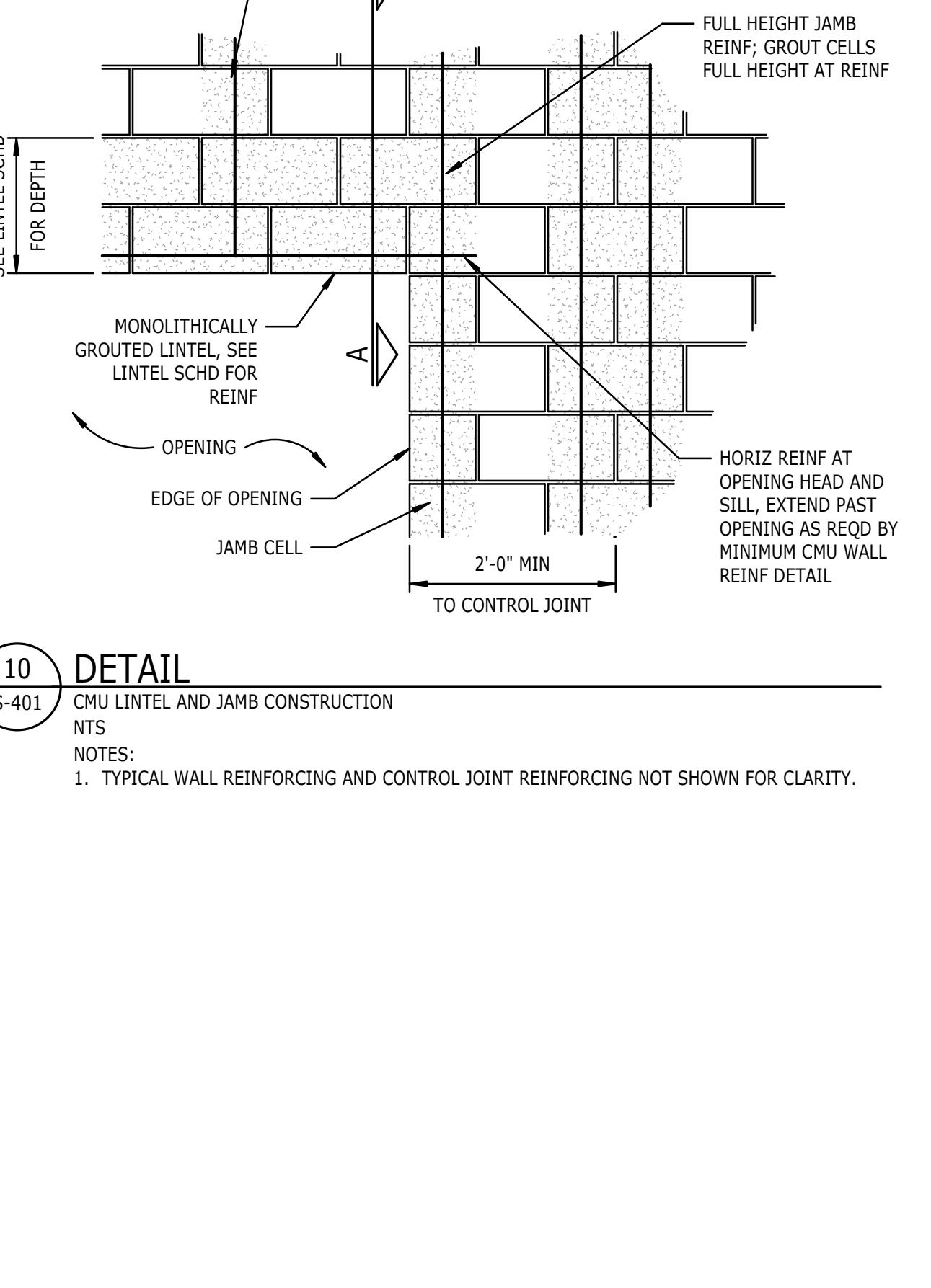
15 DETAIL
S-401 TYPICAL CMU CONTROL JOINT NTS
NOTES:
1. PROVIDE DOWELS TO FOUNDATION MATCHING SIZE OF VERTICAL REINFORCING, TYPICAL. SEE GENERAL NOTES OR MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE FOR LAP REQUIREMENTS.
2. ALL CONTROL JOINT LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS AND HAVE A RECOMMENDED MAXIMUM SPACING OF 25 FEET.



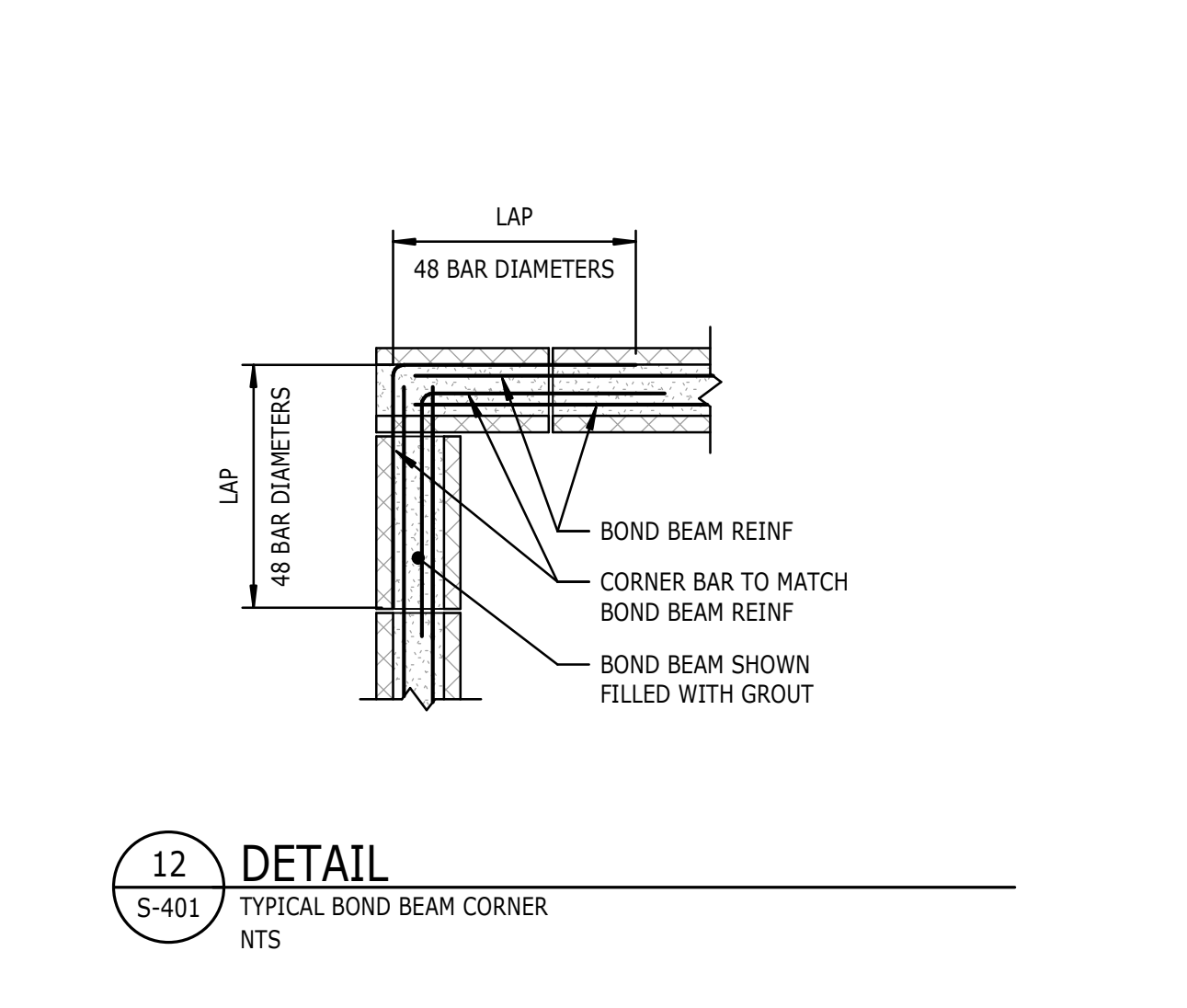
12 DETAIL
S-401 TYPICAL BOND BEAM CORNER NTS



10 DETAIL
S-401 CMU LINTEL AND JAMB CONSTRUCTION NTS
NOTES:
1. TYPICAL WALL REINFORCING AND CONTROL JOINT REINFORCING NOT SHOWN FOR CLARITY.



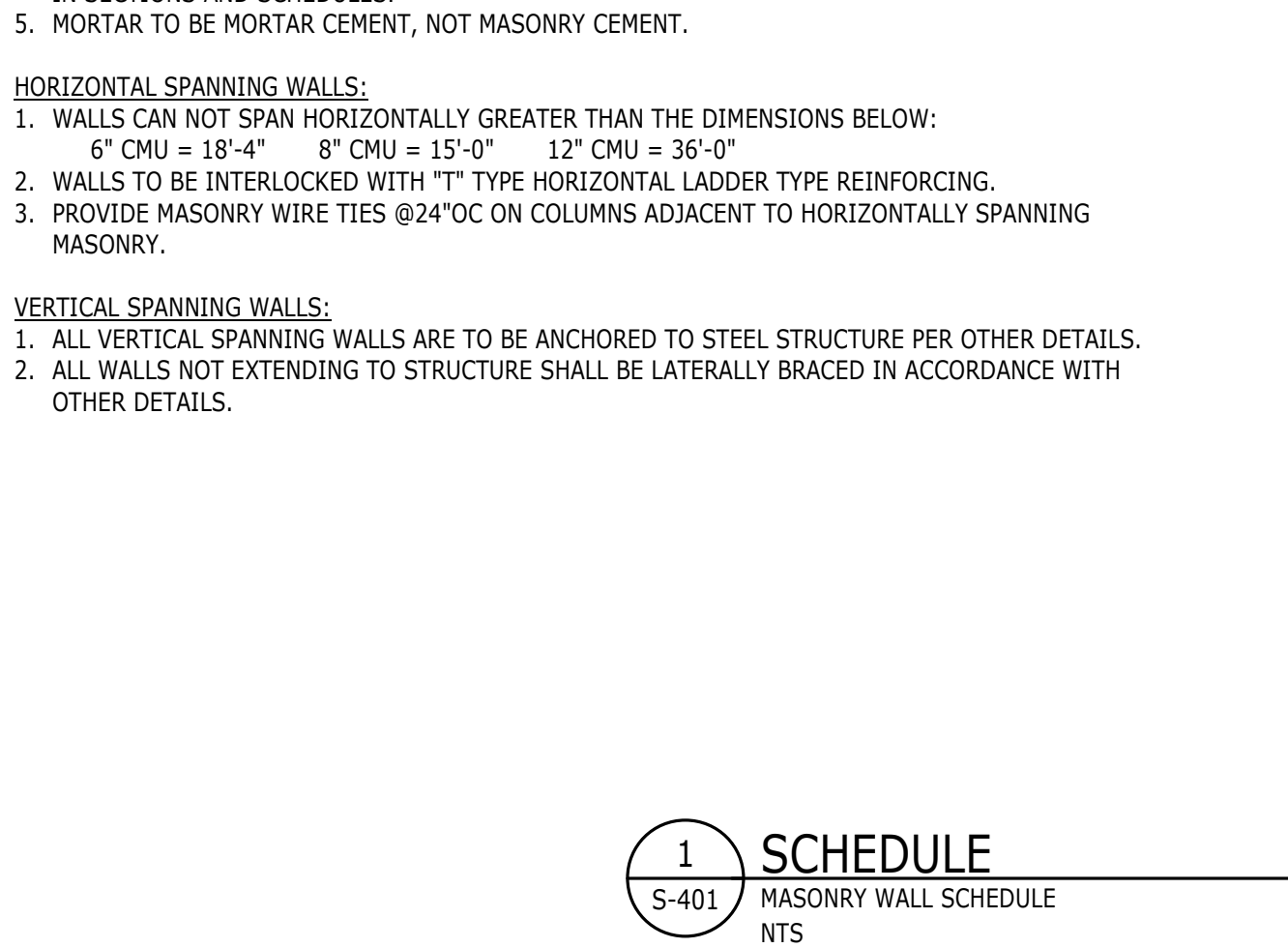
7 DETAIL
S-401 MASONRY GROUT REQUIREMENTS NTS



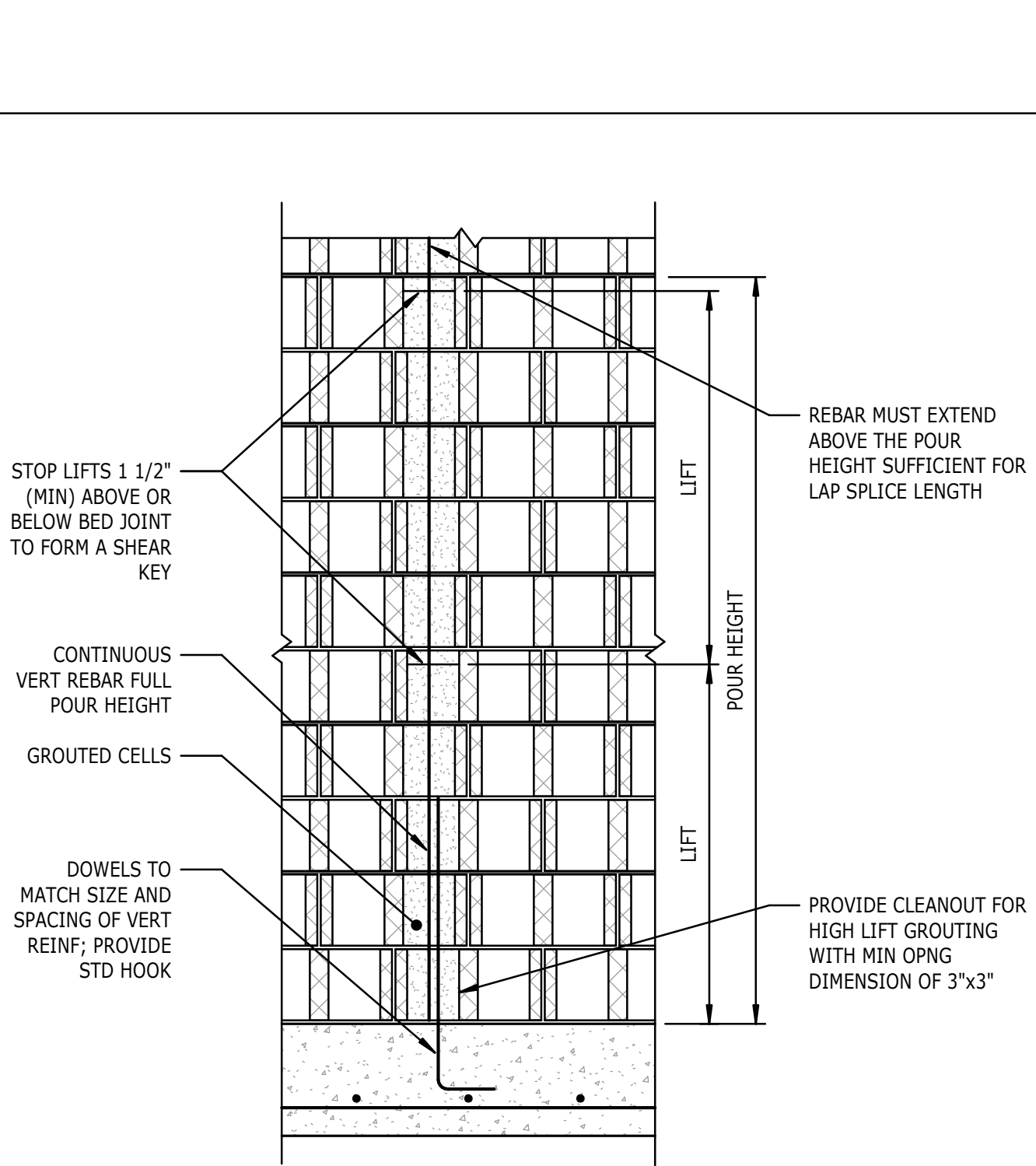
11 DETAIL
S-401 TYPICAL WALL REINFORCING AND CONTROL JOINT REINFORCING NOT SHOWN FOR CLARITY.

MASONRY WALL SCHEDULE

WALL TYPE	WALL HEIGHT	VERTICAL REINFORCING		HORIZONTAL REINFORCING
		VERTICAL REINFORCING	END WALL REINFORCING	
EXTERIOR WALLS	UP TO 16'-0"	#5@16" OC	(1)#5	9 GA LADDER TYPE @ 16" OC
SOUTH WALL OF BAGGAGE ADDITION	UP TO 16'-0"	#7@16" OC	(1)#7	9 GA LADDER TYPE @ 16" OC



1 SCHEDULE
S-401 MASONRY WALL SCHEDULE NTS

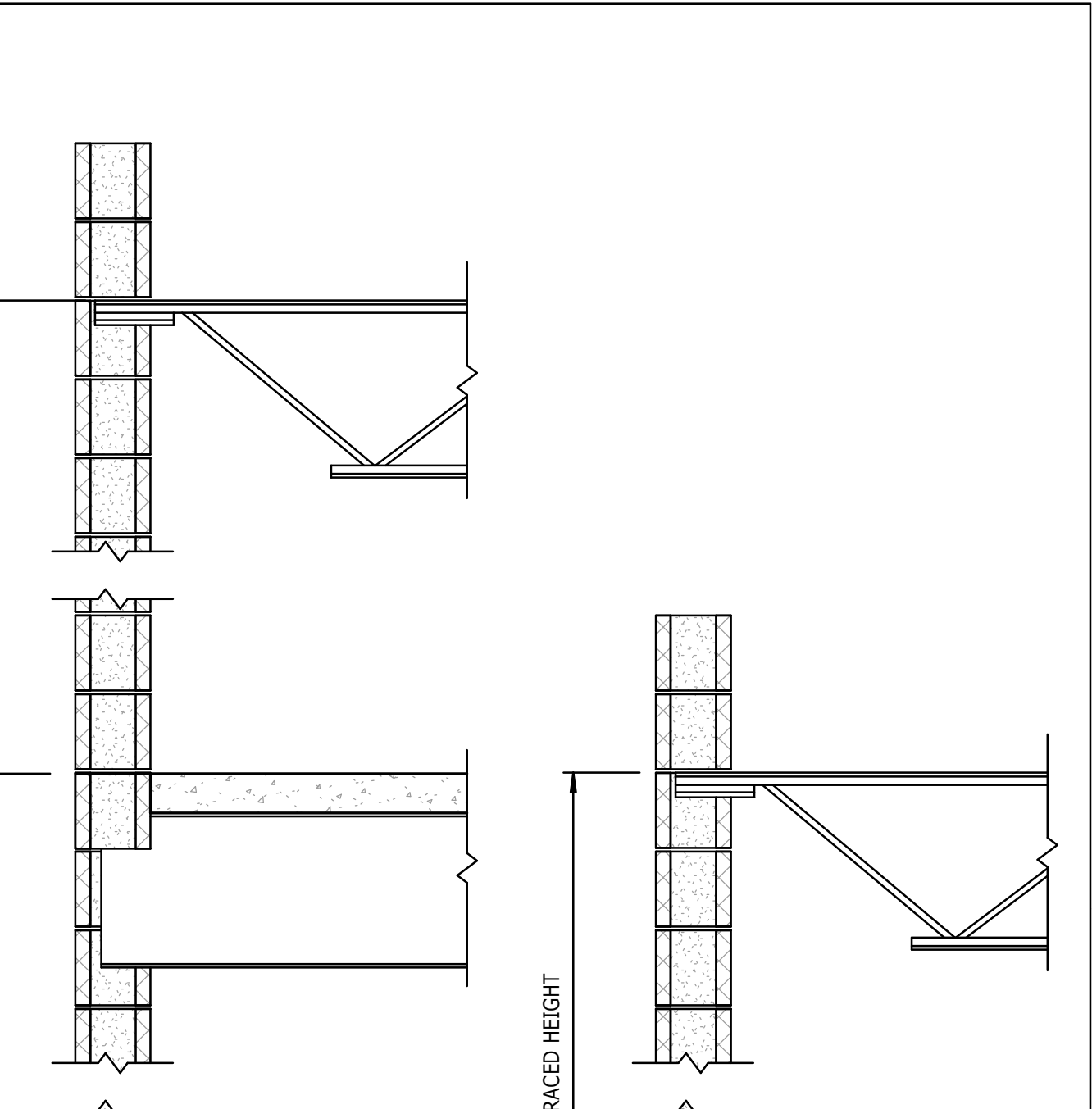


3 SCHEDULE
S-401 MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE NTS

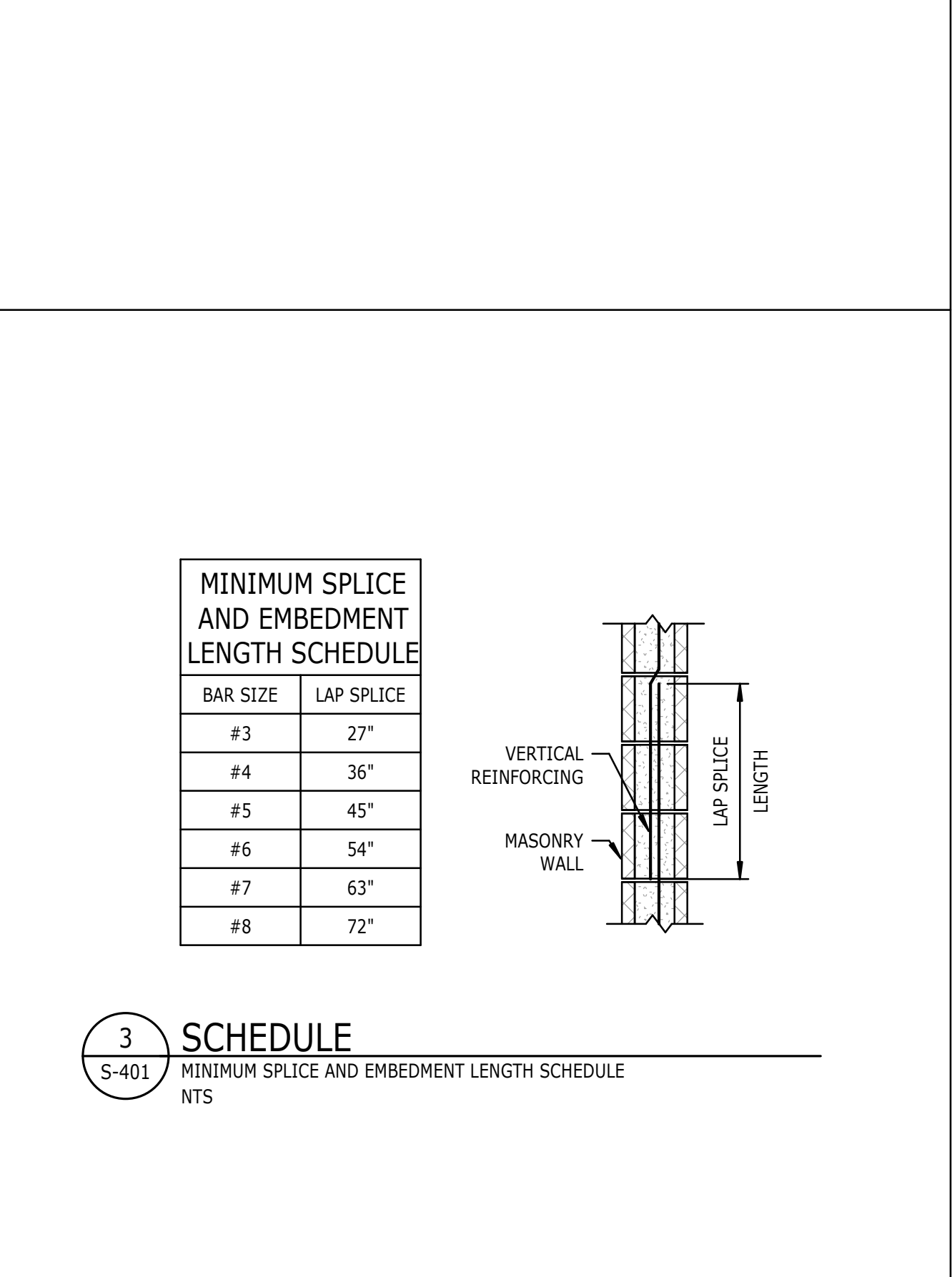
NON-LOAD BEARING CMU LINTEL SCHEDULE

LINTEL SIZE	4"x8"	6"x8"	6"x16"	8"x8"	8"x16"	12"x8"	12"x16"
3'-4"	(1)#3	(1)#3	NA	(1)#3	NA	(2)#4	NA
4'-0"	(1)#3	(1)#4	NA	(2)#3	NA	(2)#4	NA
4'-8"	(1)#4	(1)#4	NA	(2)#4	NA	(2)#4	NA
5'-4"	(1)#4	(2)#4	NA	(2)#4	NA	(2)#5	NA
6'-0"	(1)#5	(2)#4	(1)#4	(2)#4	(2)#4	(2)#5	(2)#4
6'-8"	NA	NA	(1)#5	NA	(2)#4	NA	(2)#4
7'-4"	NA	NA	(1)#5	NA	(2)#4	NA	(2)#5
8'-0"	NA	NA	(1)#6	NA	(2)#4	NA	(2)#5
8'-8"	NA	NA	(1)#6	NA	(2)#5	NA	(2)#6
9'-4"	NA	NA	(1)#7	NA	(2)#5	NA	(2)#6

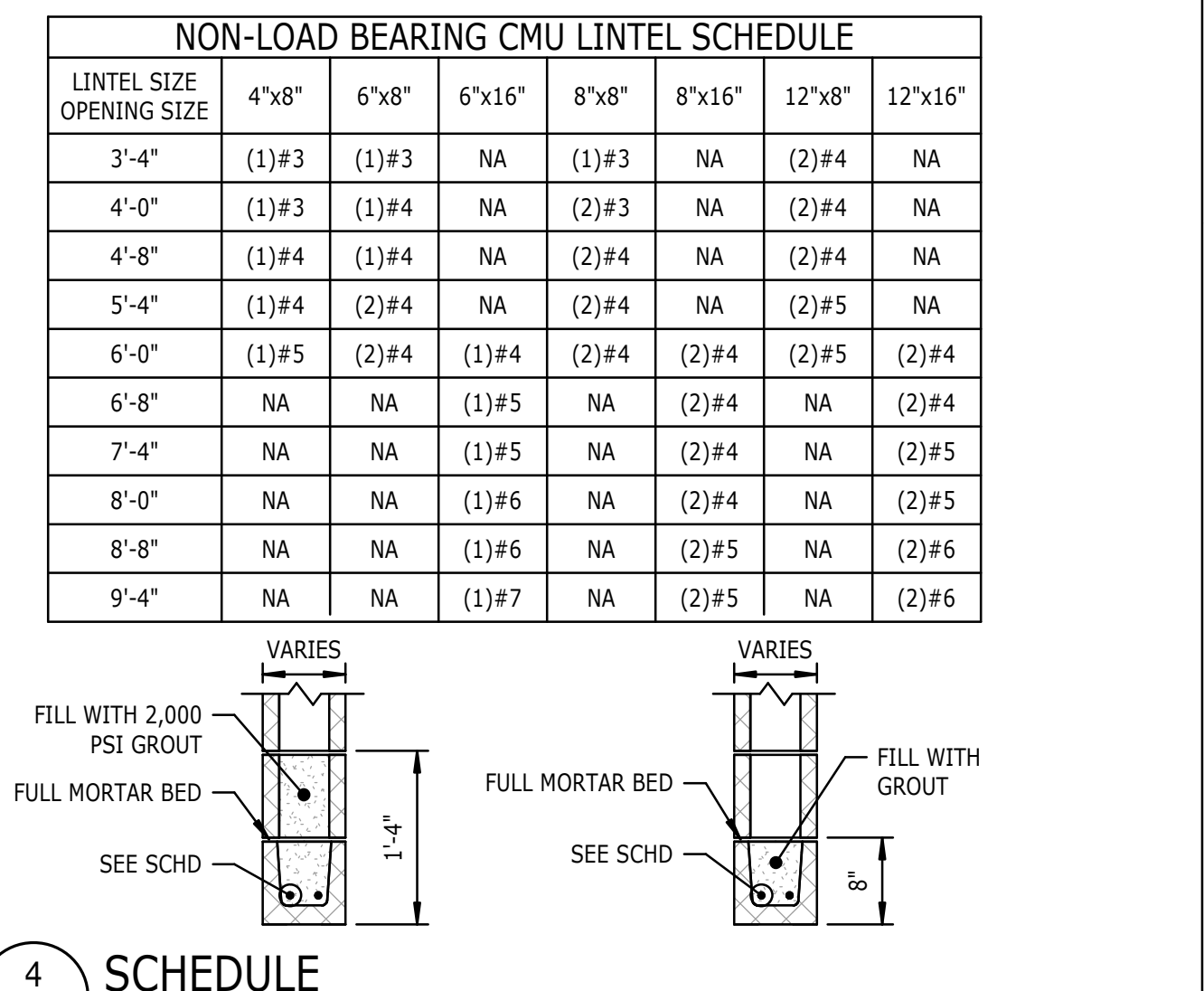
4 SCHEDULE
S-401 NON-LOAD BEARING CMU LINTEL SCHEDULE NTS
NOTES:
1. THIS SCHEDULE APPLIES TO OPENINGS IN ALL NON-LOAD BEARING WALLS AND PARTITIONS.
2. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS.
3. PROVIDE 8" OF BEARING AT EACH END OF ALL OPENINGS.
4. DO NOT PLACE CONTROL JOINT IN CMU LINTEL OR WITHIN 8" OF JAMB.



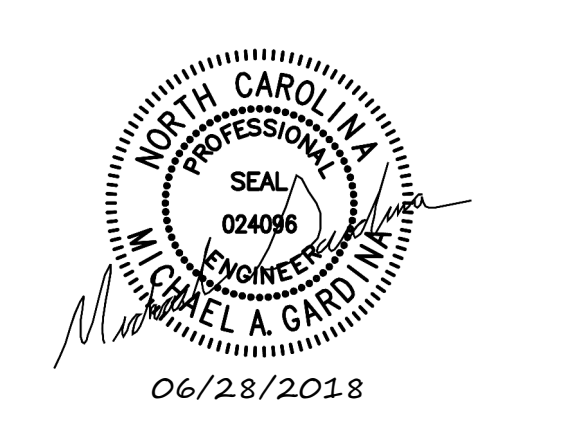
13 SCHEDULE
S-401 TYPICAL BOND BEAM CORNER NTS



6 DETAIL
S-401 TYPICAL WALL REINFORCING AND CONTROL JOINT REINFORCING NOT SHOWN FOR CLARITY.

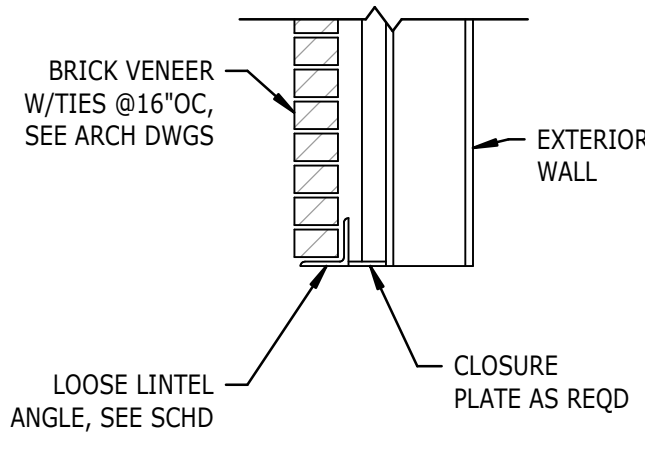


5 DETAIL
S-401 TYPICAL WALL REINFORCING AND CONTROL JOINT REINFORCING NOT SHOWN FOR CLARITY.



STEEL LOOSE LINTEL ANGLE SUPPORTING BRICK VENEER

CLEAR OPENING	LOOSE LINTEL ANGLE
UP TO 5'-0"	L4x4x3/8
5'-1" TO 8'-0"	L6x4x3/8 (LLV)
8'-1" TO 10'-0"	L7x4x3/8 (LLV)
10'-1" TO 12'-0"	L8x4x1/2 (LLV)



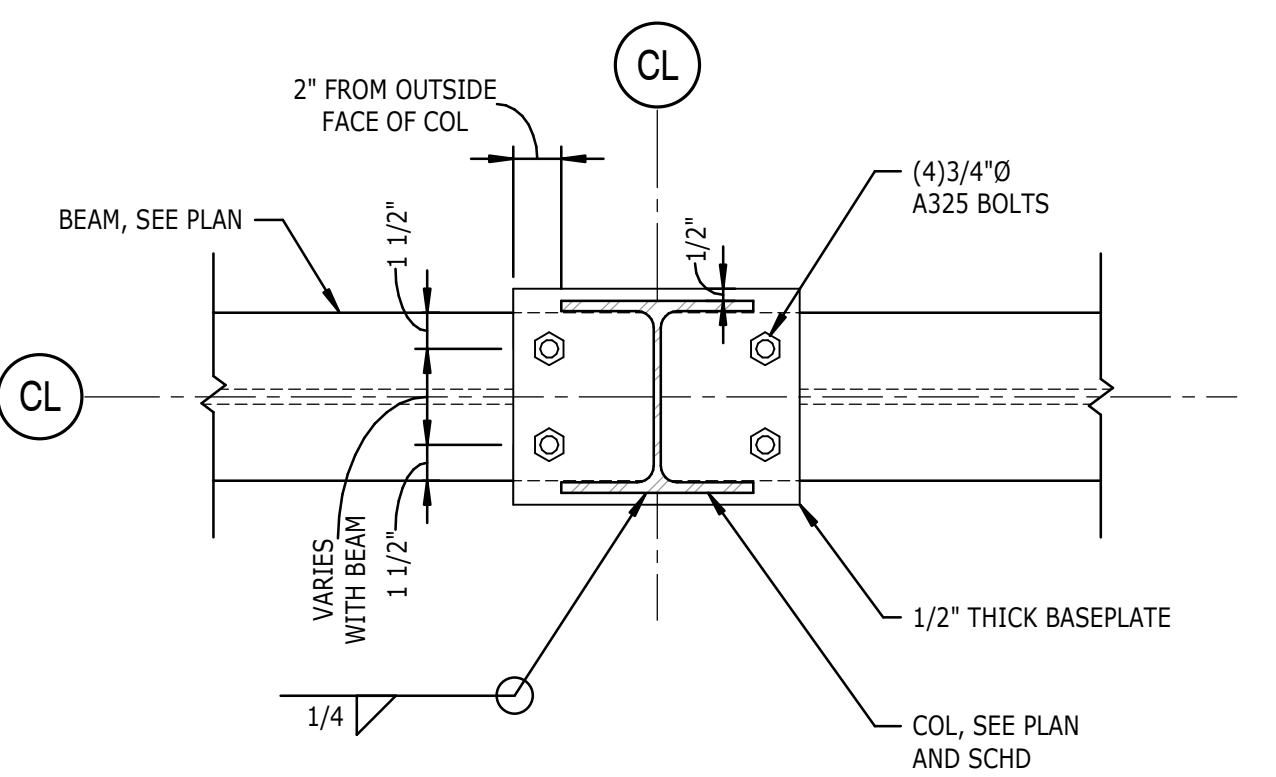
17 SCHEDULE

S-511 STEEL LOOSE LINTEL ANGLES SUPPORTING BRICK VENEER

NTS

NOTES:

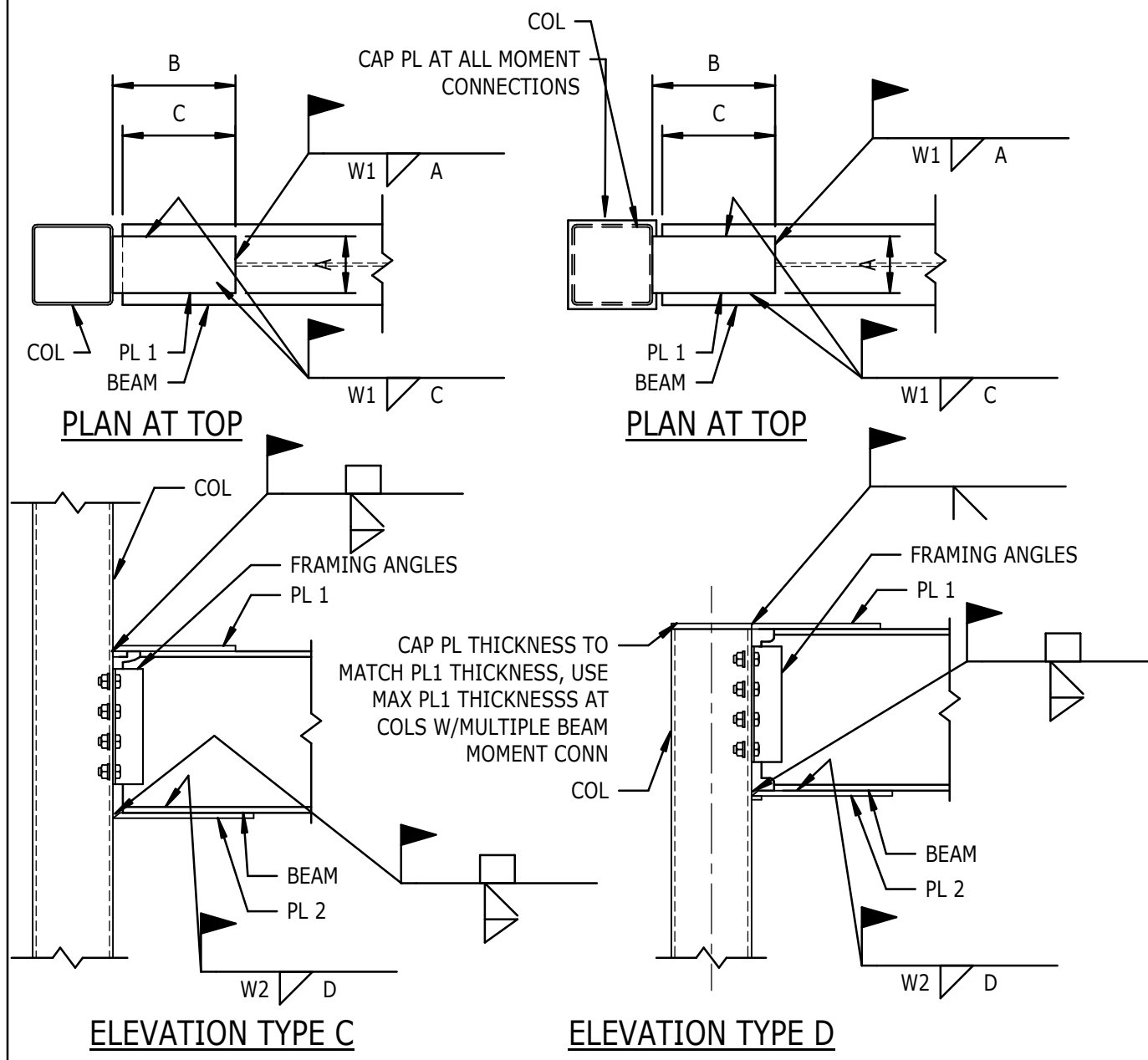
- ALL LOOSE LINTELS SHALL BE PAINTED OR GALVANIZED, SEE ARCHITECTURAL DRAWINGS.
- PROVIDE 6" MINIMUM BEARING FOR OPENINGS UP TO 8'-0" WIDE. PROVIDE 8" MINIMUM BEARING FOR OPENINGS OVER 8'-0" WIDE.
- SEE ARCHITECTURAL DRAWINGS FOR ANGLE PLACEMENT AND FLASHING.
- LOOSE LINTEL ANGLES ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR ALL LOCATIONS OF OPENINGS REQUIRING ANGLES.
- FOR CLEAR OPENING DIMENSIONS GREATER THAN THOSE SHOWN IN THE SCHEDULE, SEE OTHER DETAILS OR CONTACT THE ENGINEER OF RECORD.



18 DETAIL

S-511 TYPICAL COLUMN BEARING ON BEAM

NTS



MOMENT CONNECTION SCHEDULE

MARK	MC1	MC2	MC4	MC5	MC9	MC10	MC11	MC12	MC13	MC15	MC16	MC19	
MARK	C	C	C	C	E	C	E	D	F	D	C	C	
PLATE 1	T	3/4	1/2	5/8	3/4	NA	1/2	NA	1/2	NA	5/8	5/8	3/8
	A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	B	4 1/2	4	4 1/2	6	NA	4 1/2	NA	4 1/2	NA	4 1/2	4 1/2	
	C	8	6	8	10	NA	7	NA	14	NA	12	8	
	D	1	1	1	2	NA	1	NA	7	NA	4	1	
	E	6	4	6	8	NA	5	NA	5	NA	6	6	
	W1	5/16	1/4	5/16	5/16	NA	1/4	NA	1/4	NA	5/16	5/16	
PLATE 2	T	1/2	1/2	1/2	1/2	NA	1/2	NA	1/2	NA	1/2	3/8	
	LENGTH	11	9	1	14	NA	10	NA	10	NA	10	6	
	WIDTH	7	7	9	14 1/2	NA	7 1/2	NA	7 1/2	NA	7	10	
	W2	5/16	1/4	5/16	5/16	NA	1/4	NA	1/4	NA	5/16	5/16	
	J	8	6	8	11	NA	7	NA	7	NA	7	3	

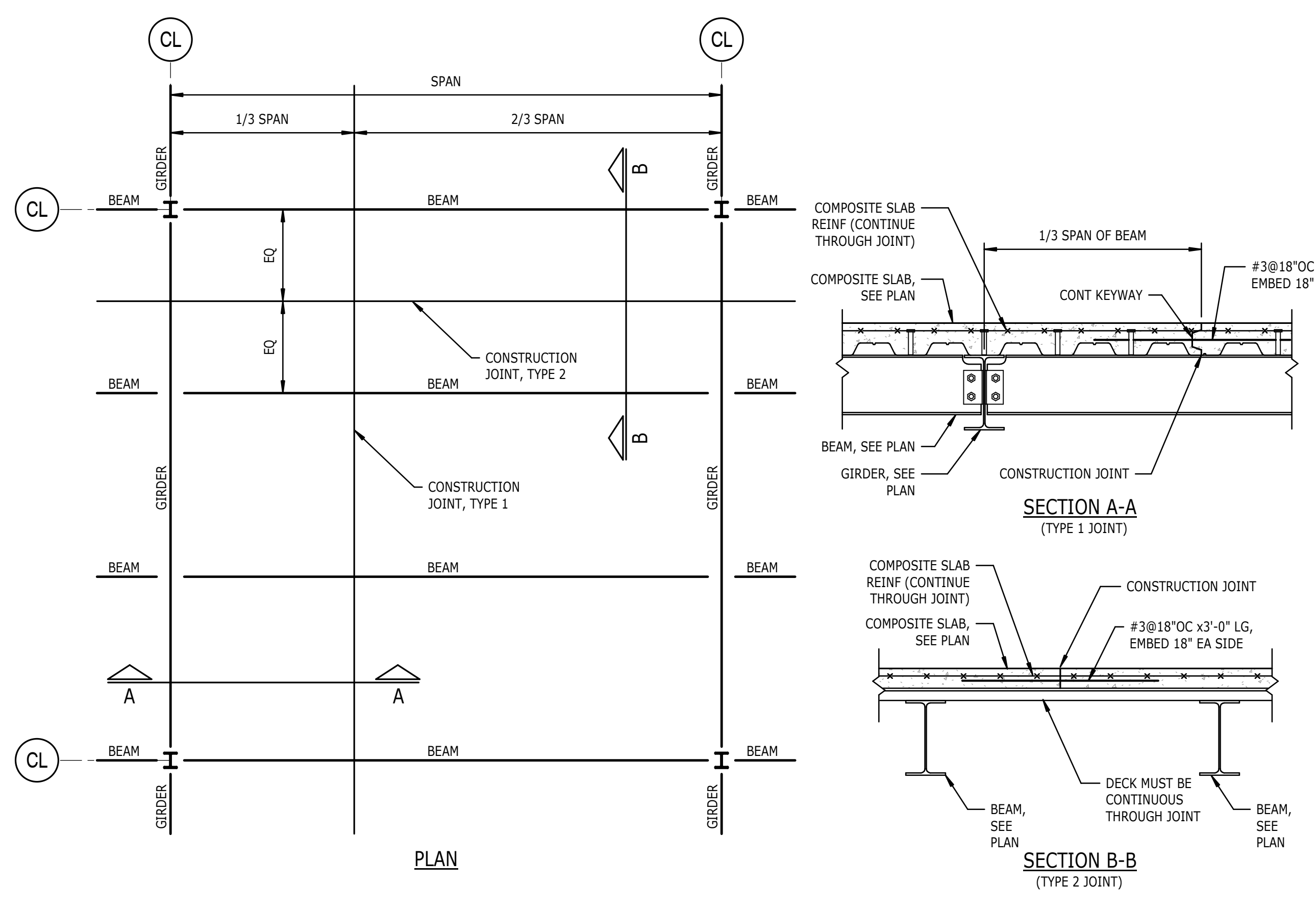
19 SCHEDULE

S-511 MOMENT CONNECTION SCHEDULE AND DETAILS

NTS

NOTES:

- PROVIDE ULTRASONIC TESTING AT FULL PENETRATION WELDS.



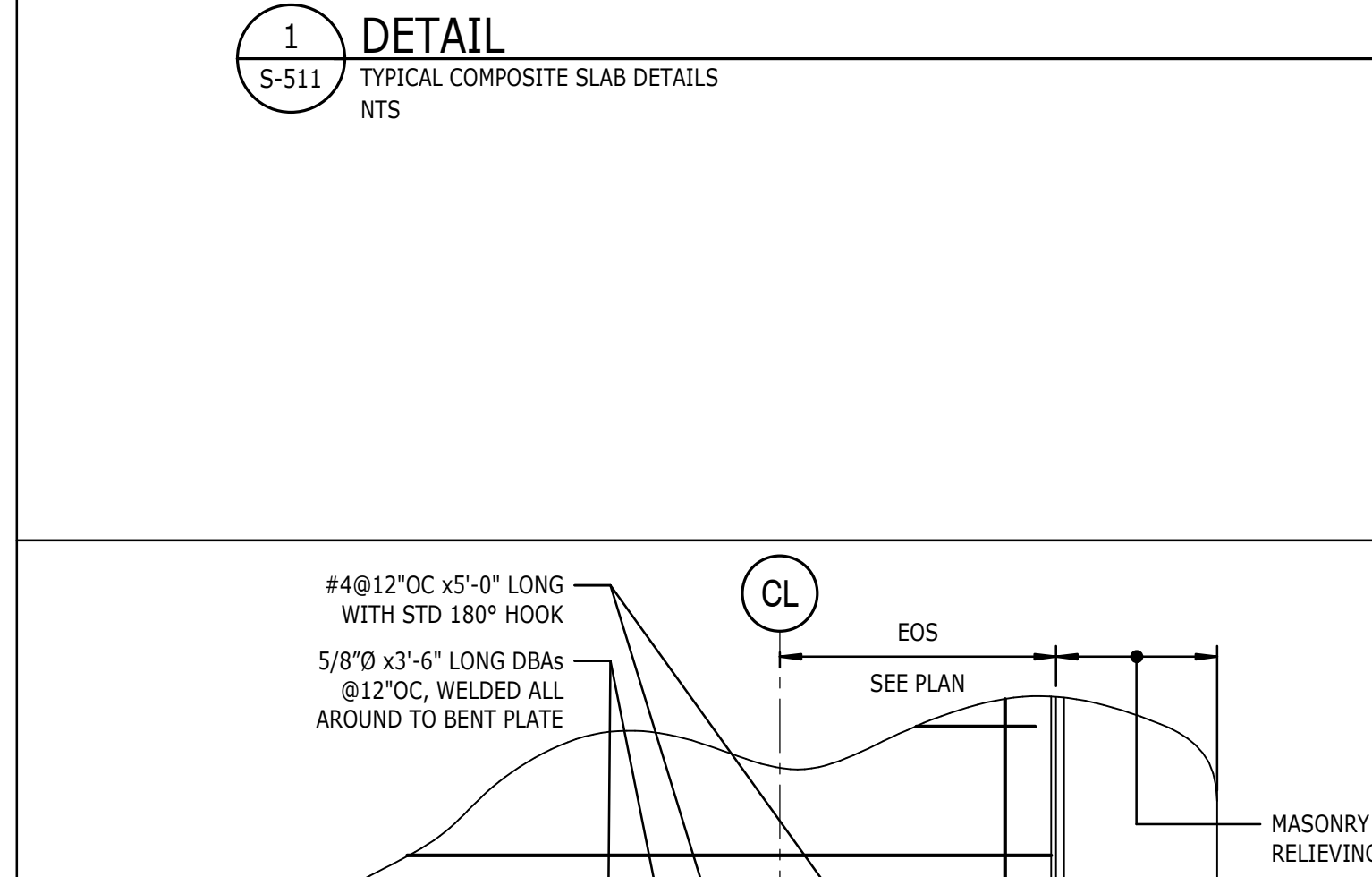
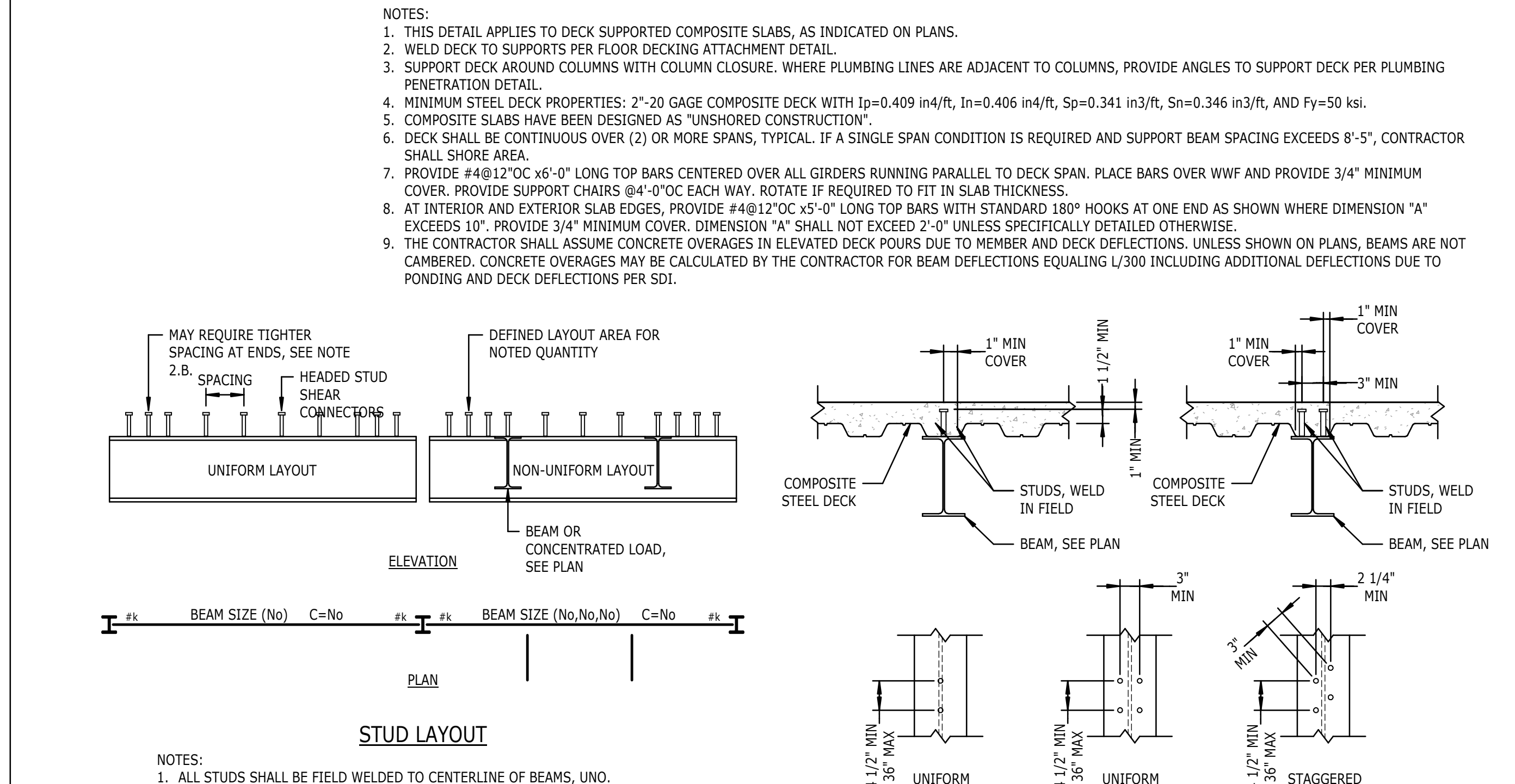
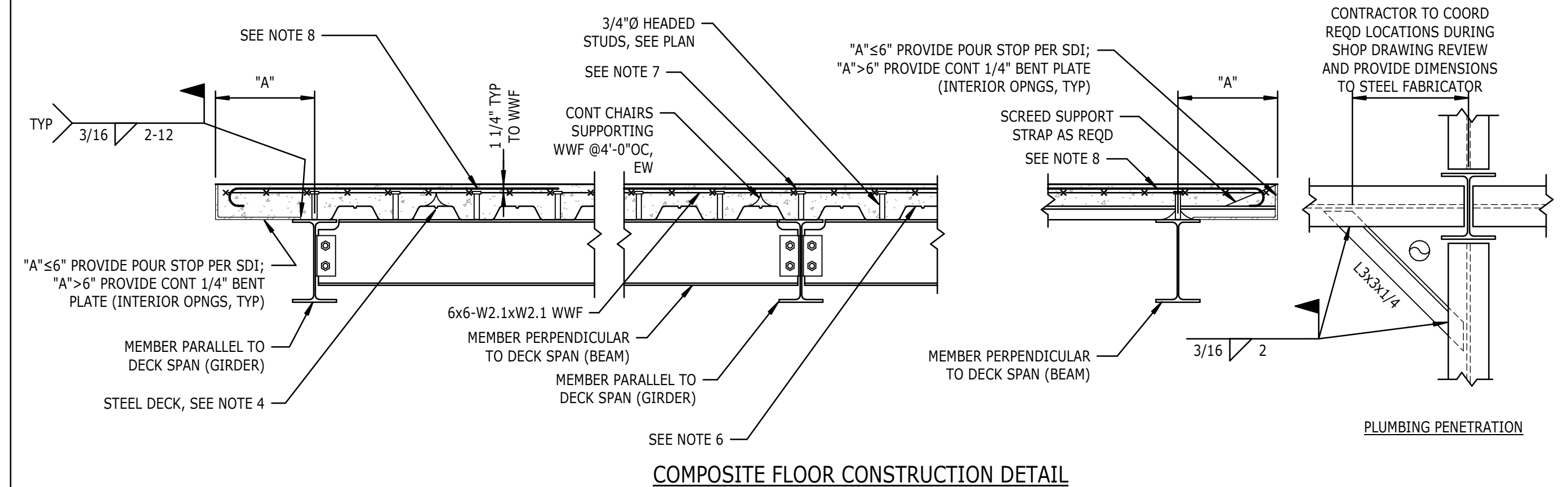
9 DETAIL

S-511 TYPICAL CONSTRUCTION JOINTS IN COMPOSITE DECK

NTS

NOTES:

- CONTRACTOR SHALL SUBMIT LOCATION OF ALL CONSTRUCTION JOINTS FOR APPROVAL PRIOR TO CONSTRUCTION AND FABRICATION.



4 DETAIL

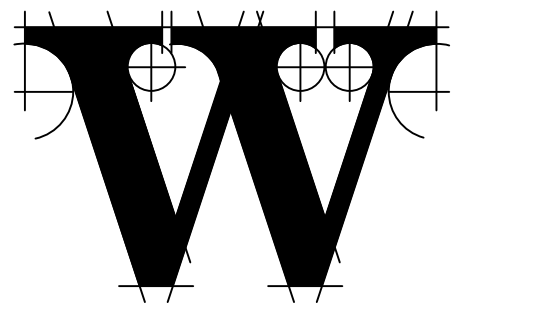
S-511 TYPICAL EDGE OF SLAB AT BRICK RELIEVING ANGLE

NTS

12 DETAIL

S-511 TYPICAL FRAMING AROUND SLAB OPENINGS

NTS



THE WILSON GROUP
ARCHITECTS
PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT
CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FP/PM/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

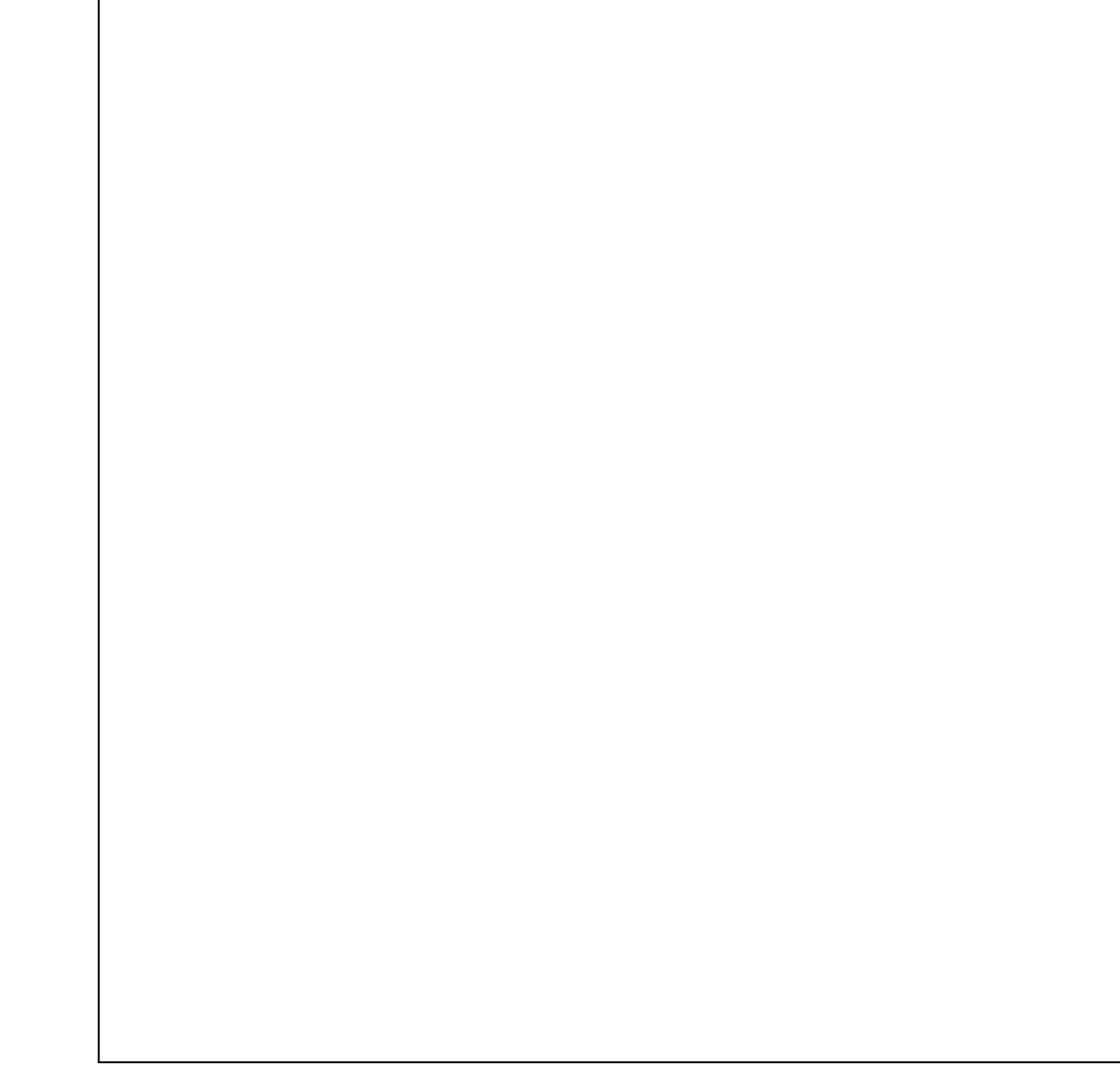
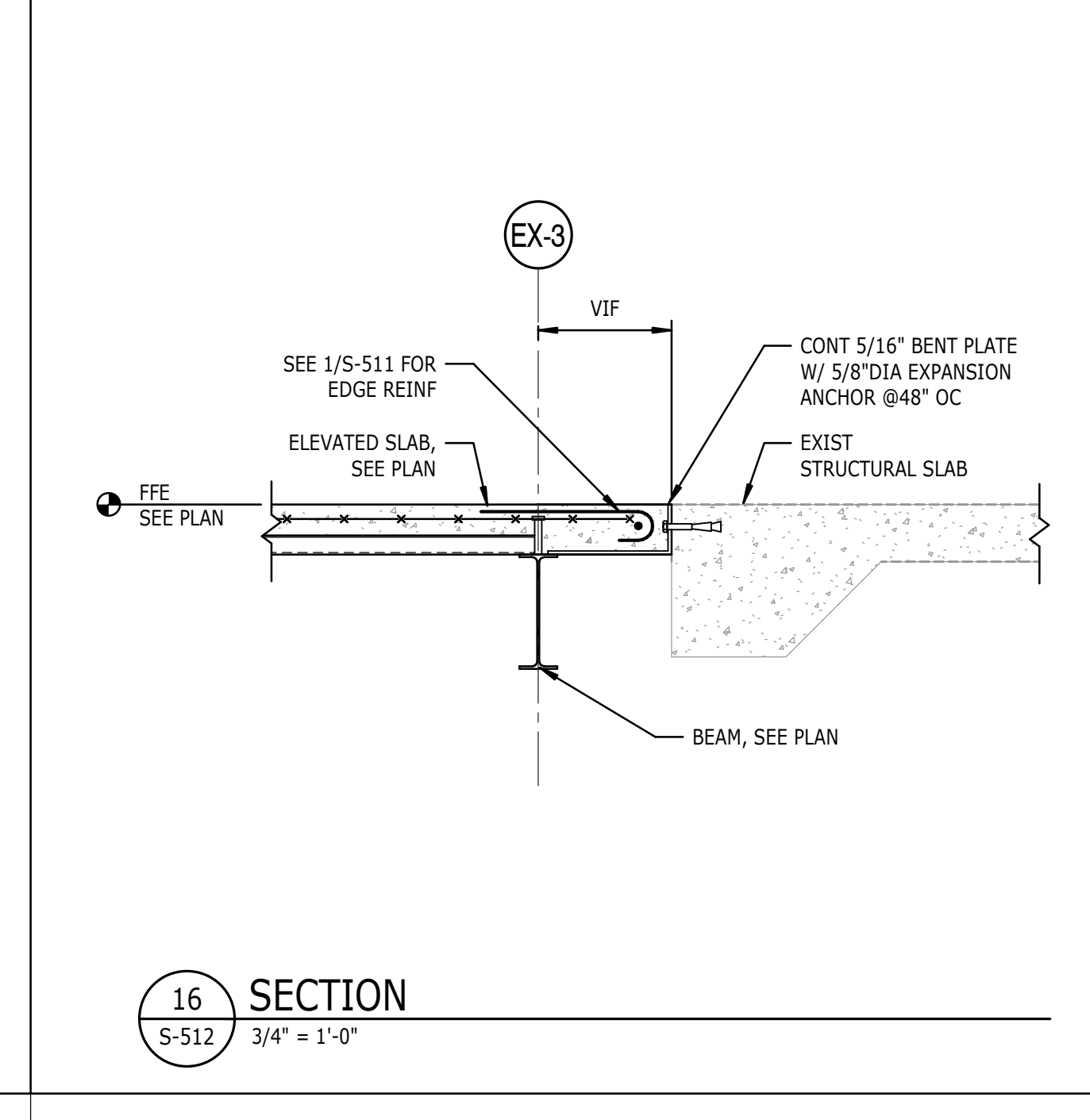
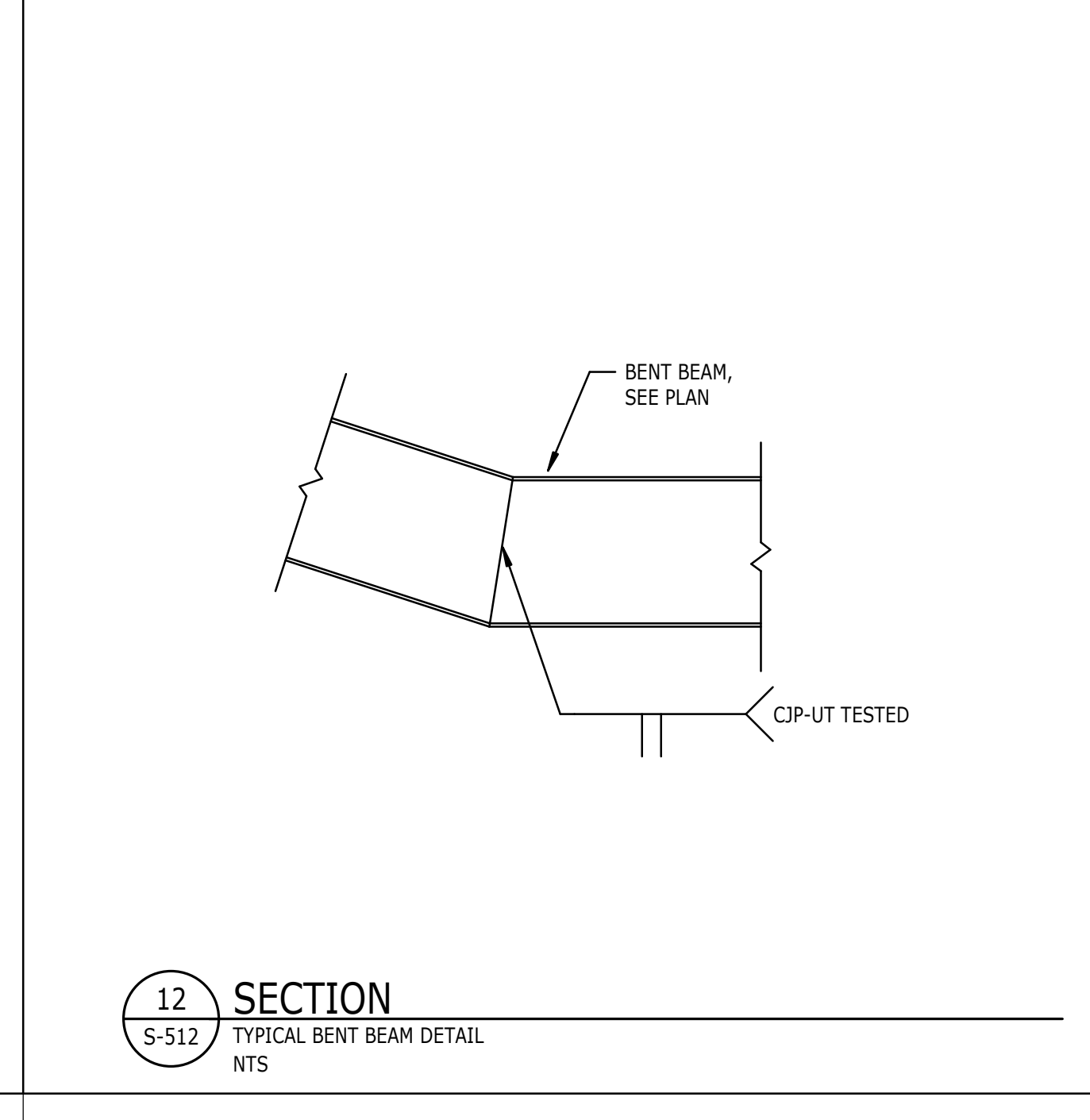
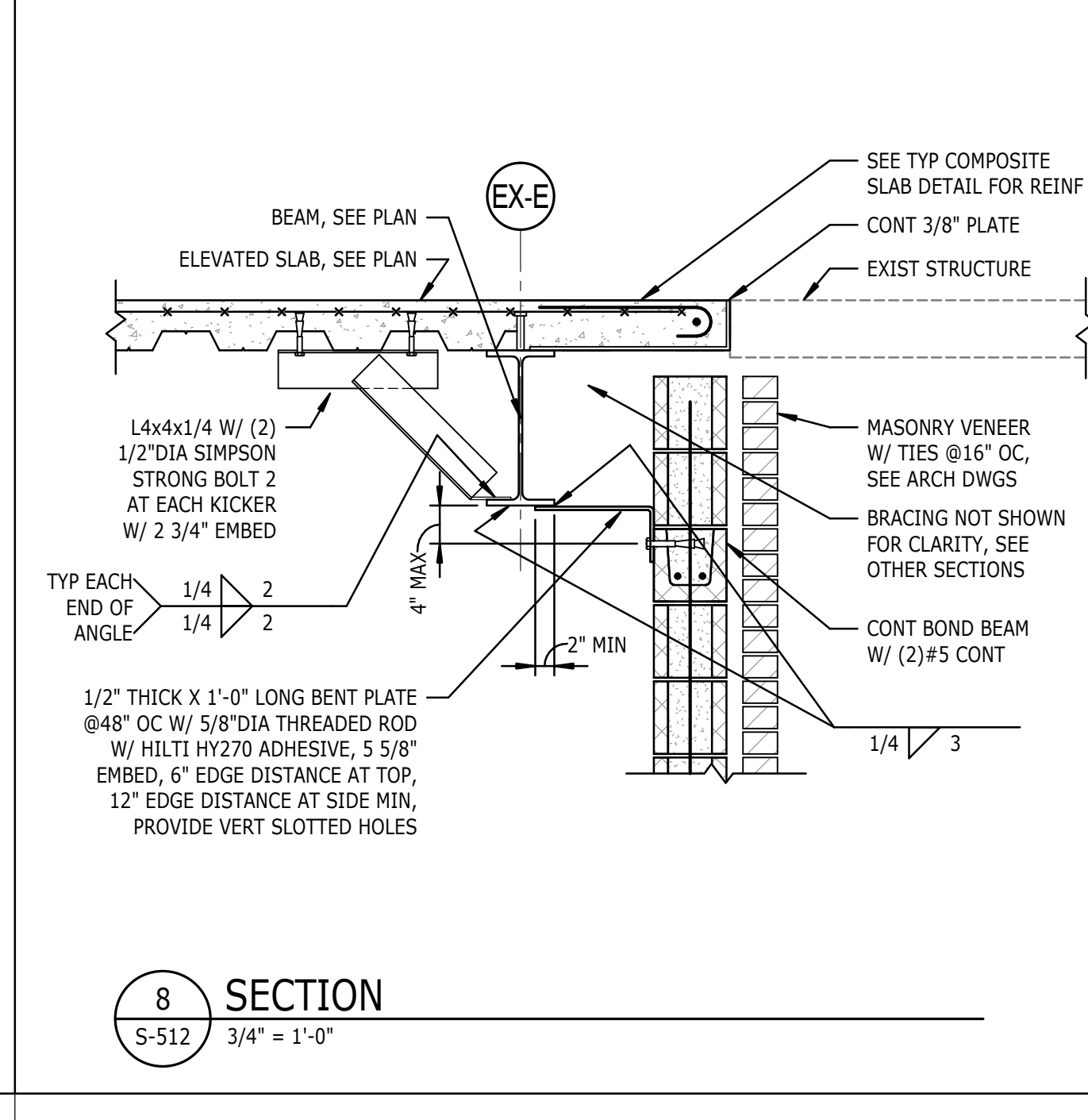
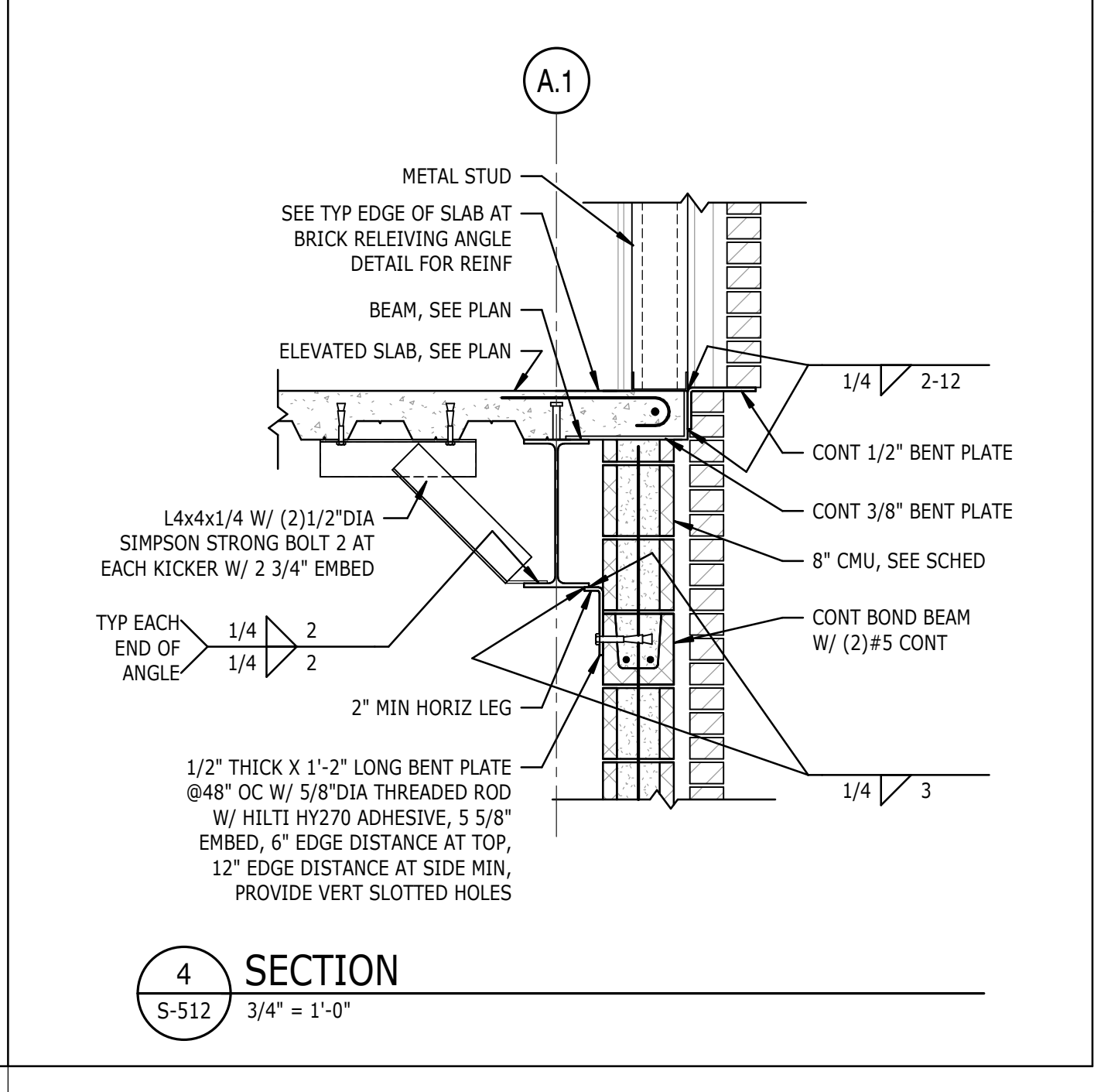
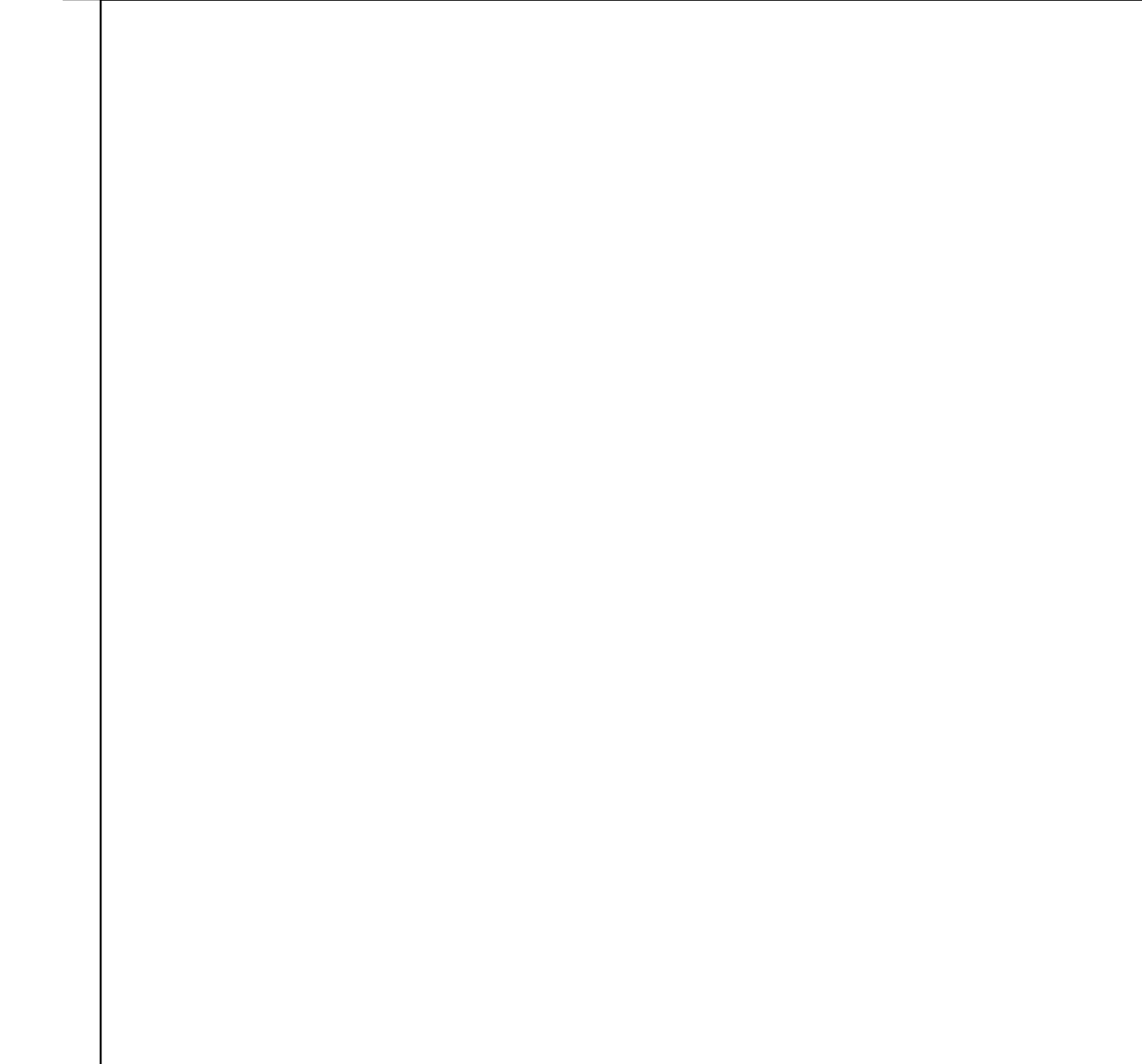
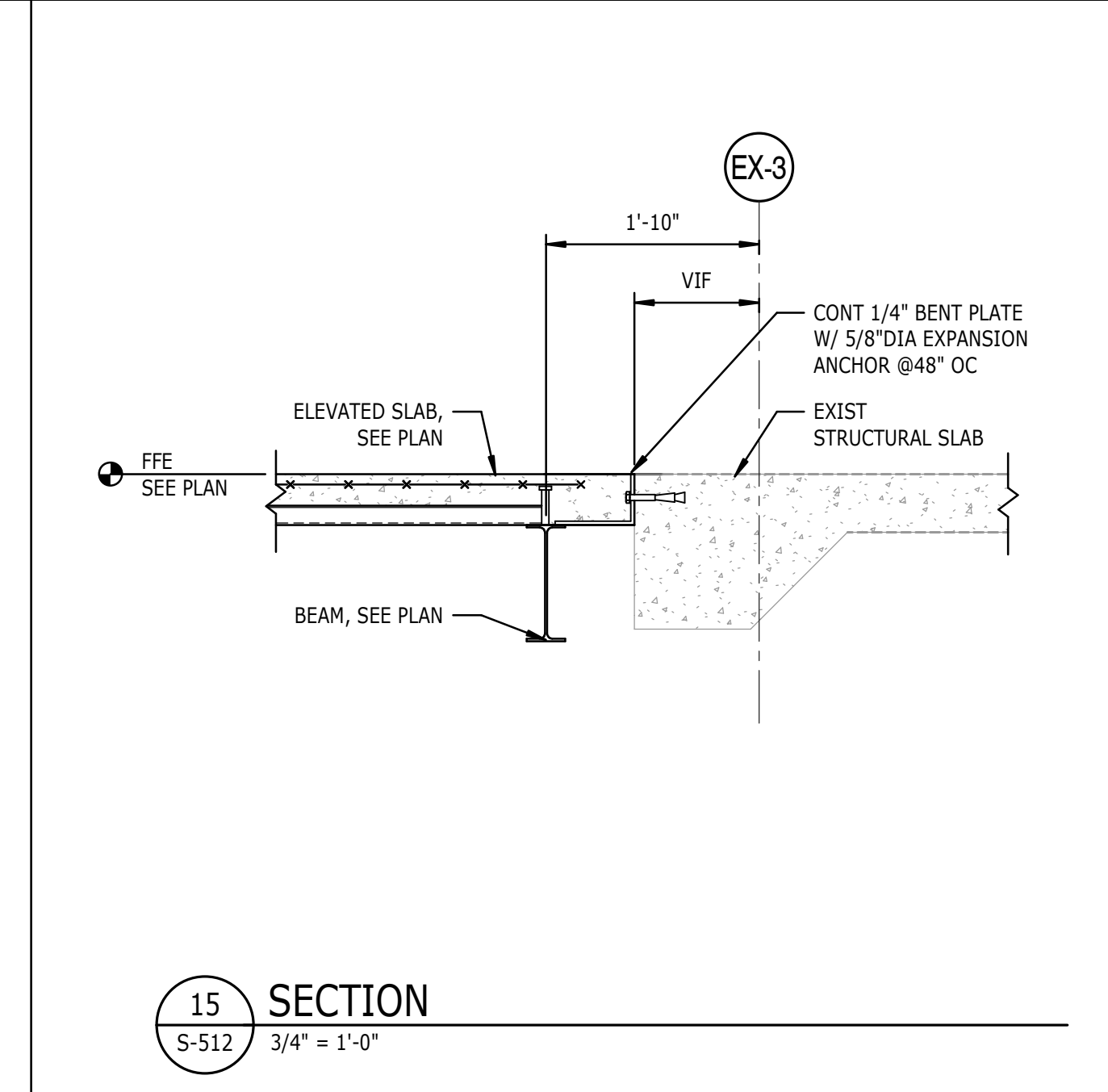
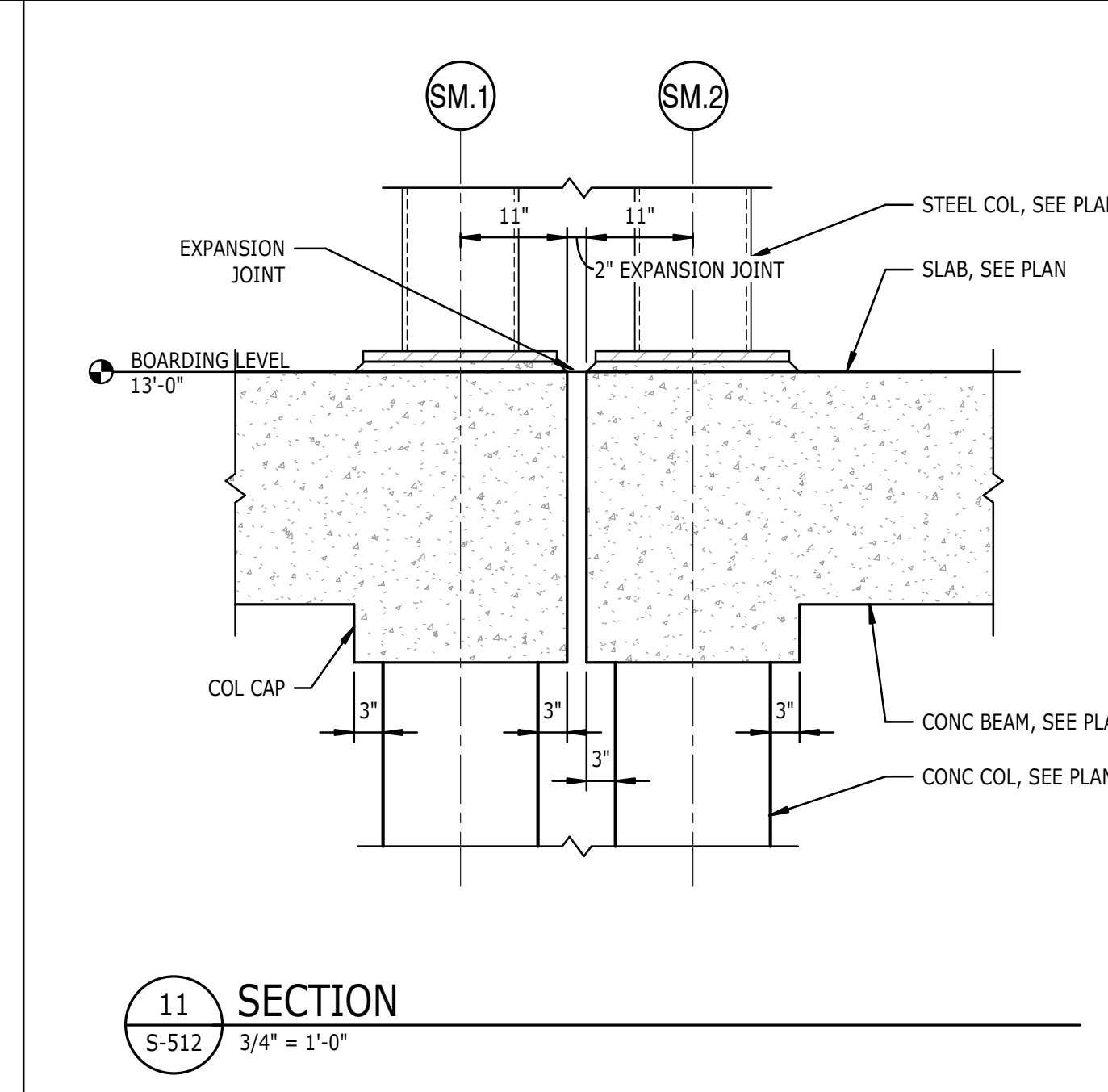
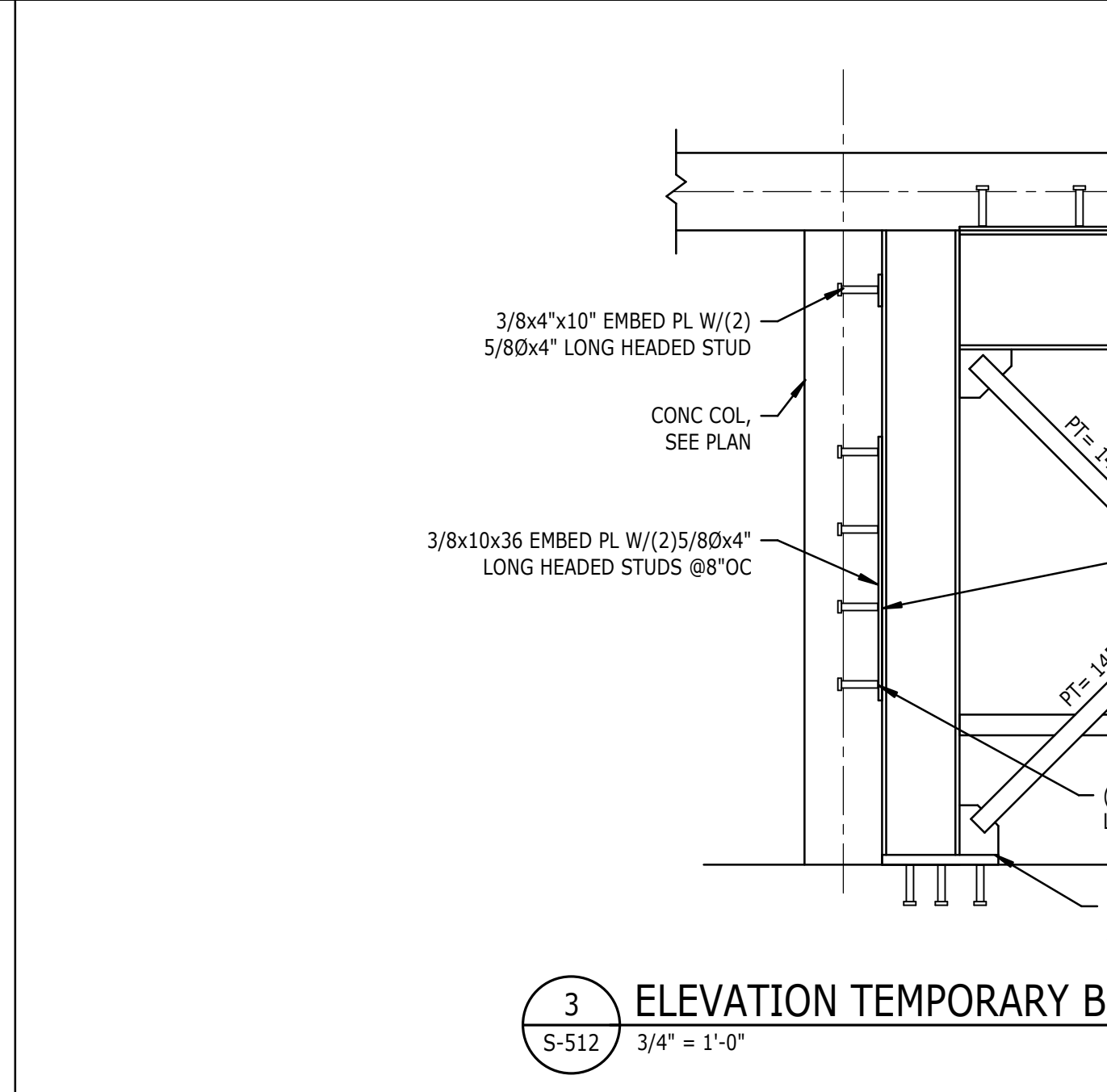
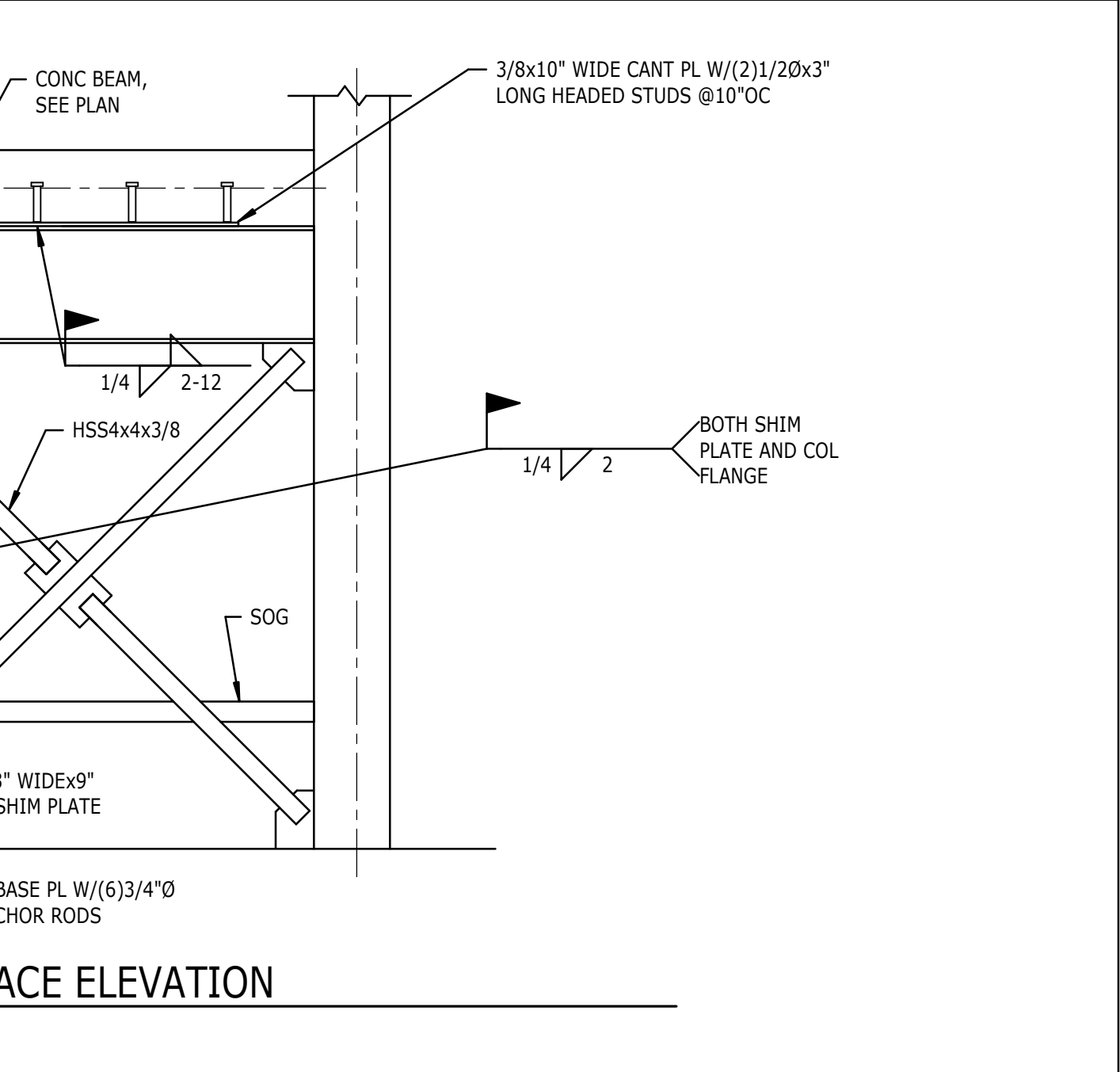
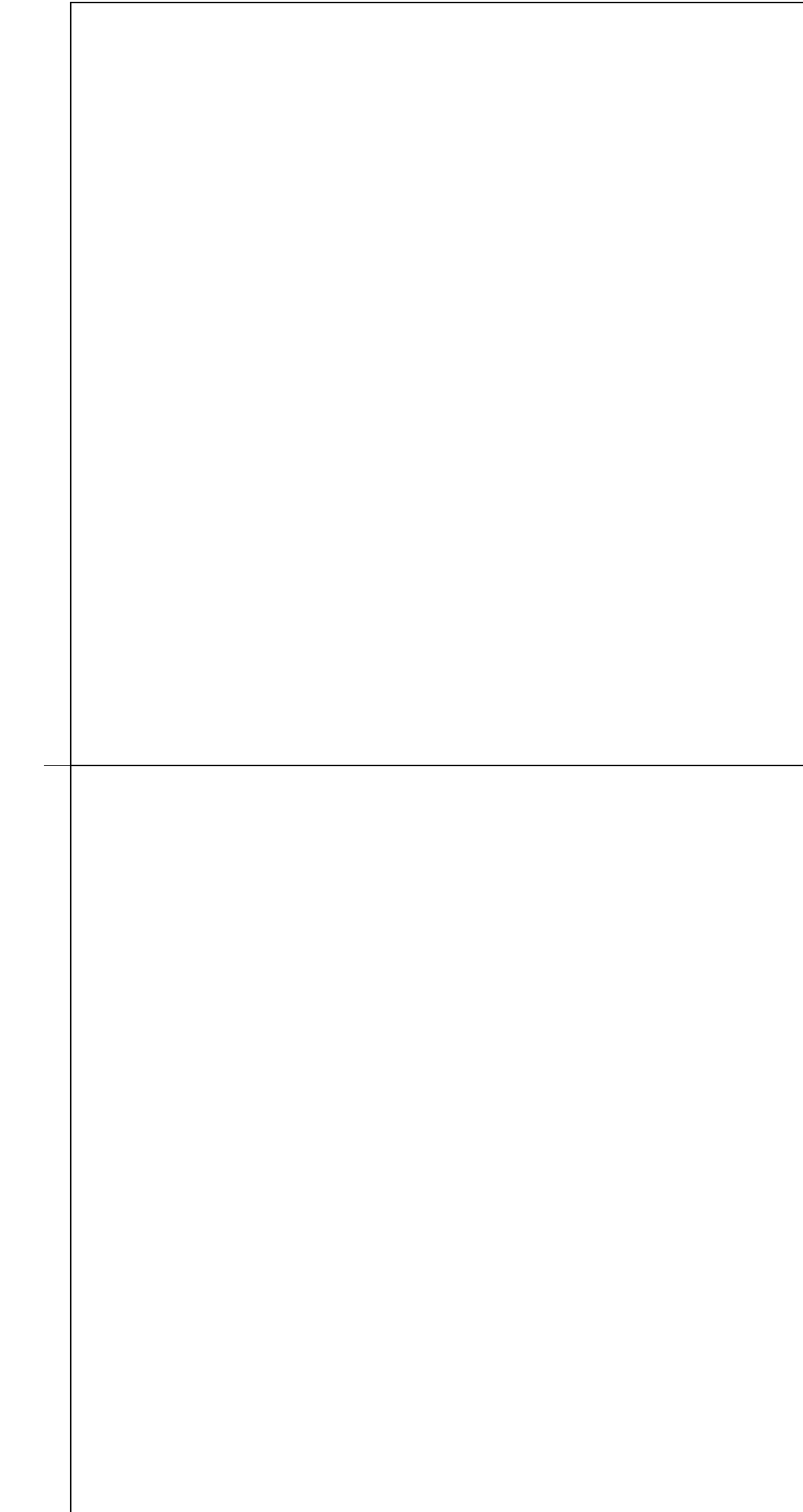
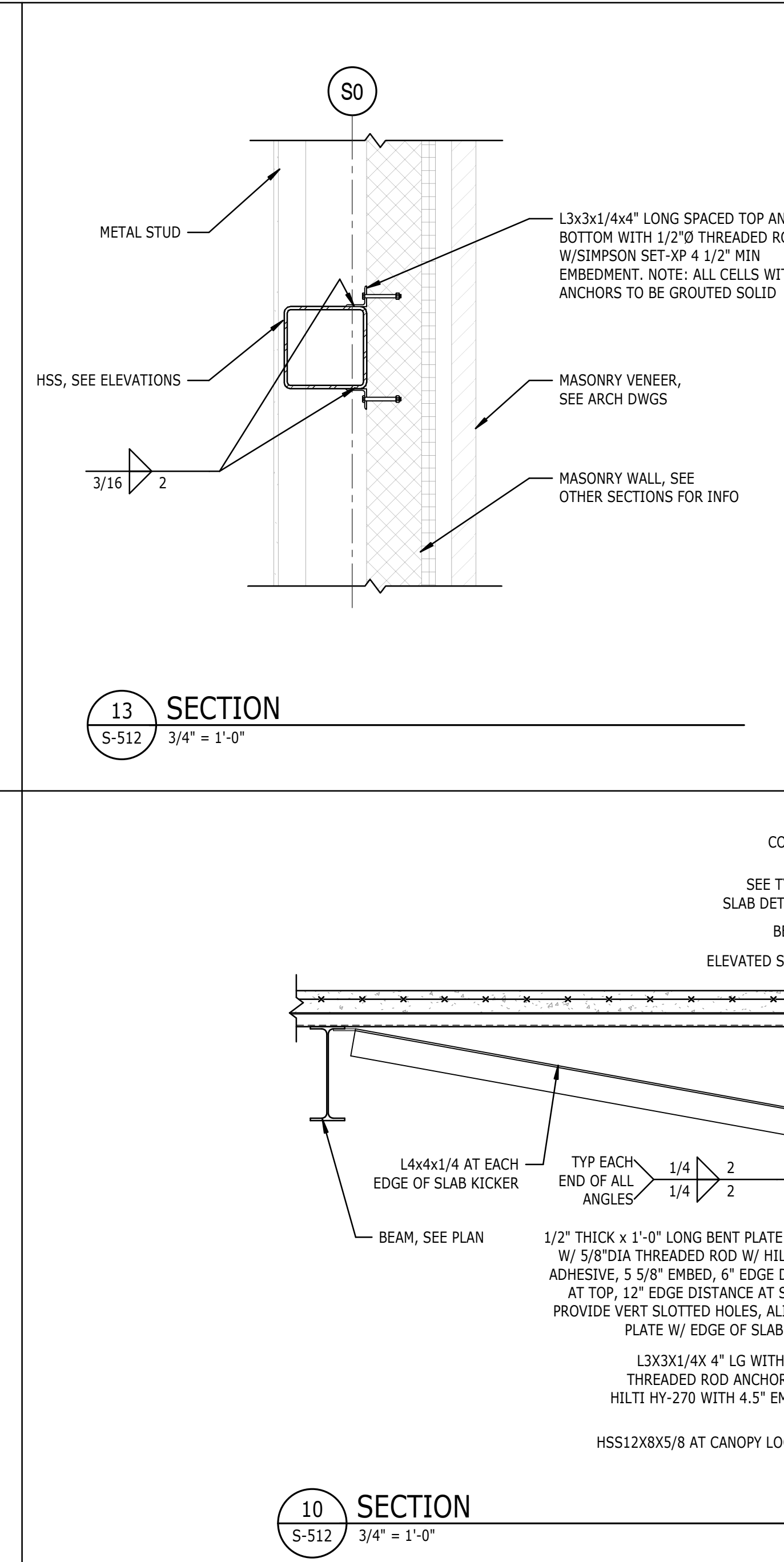
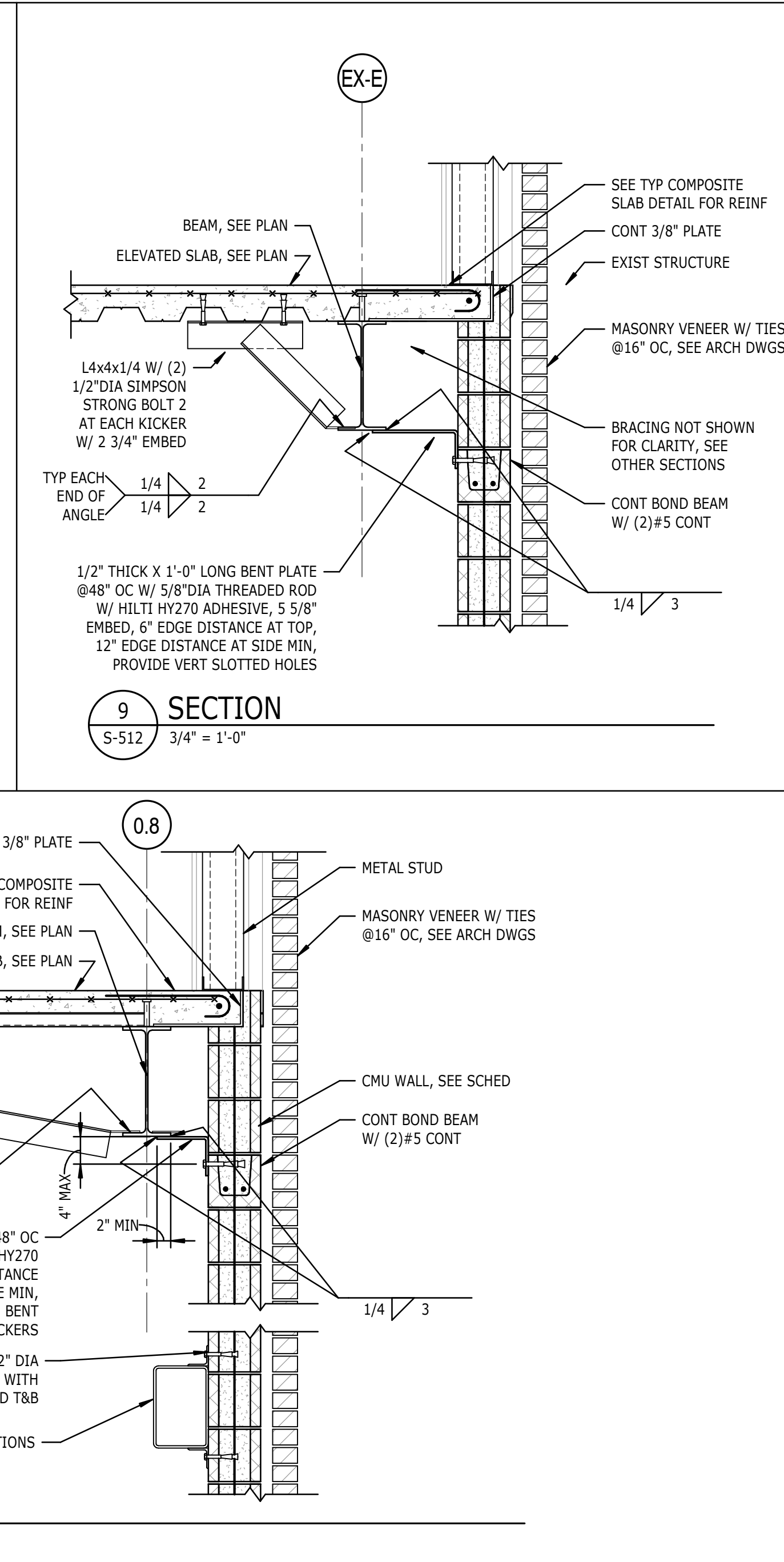
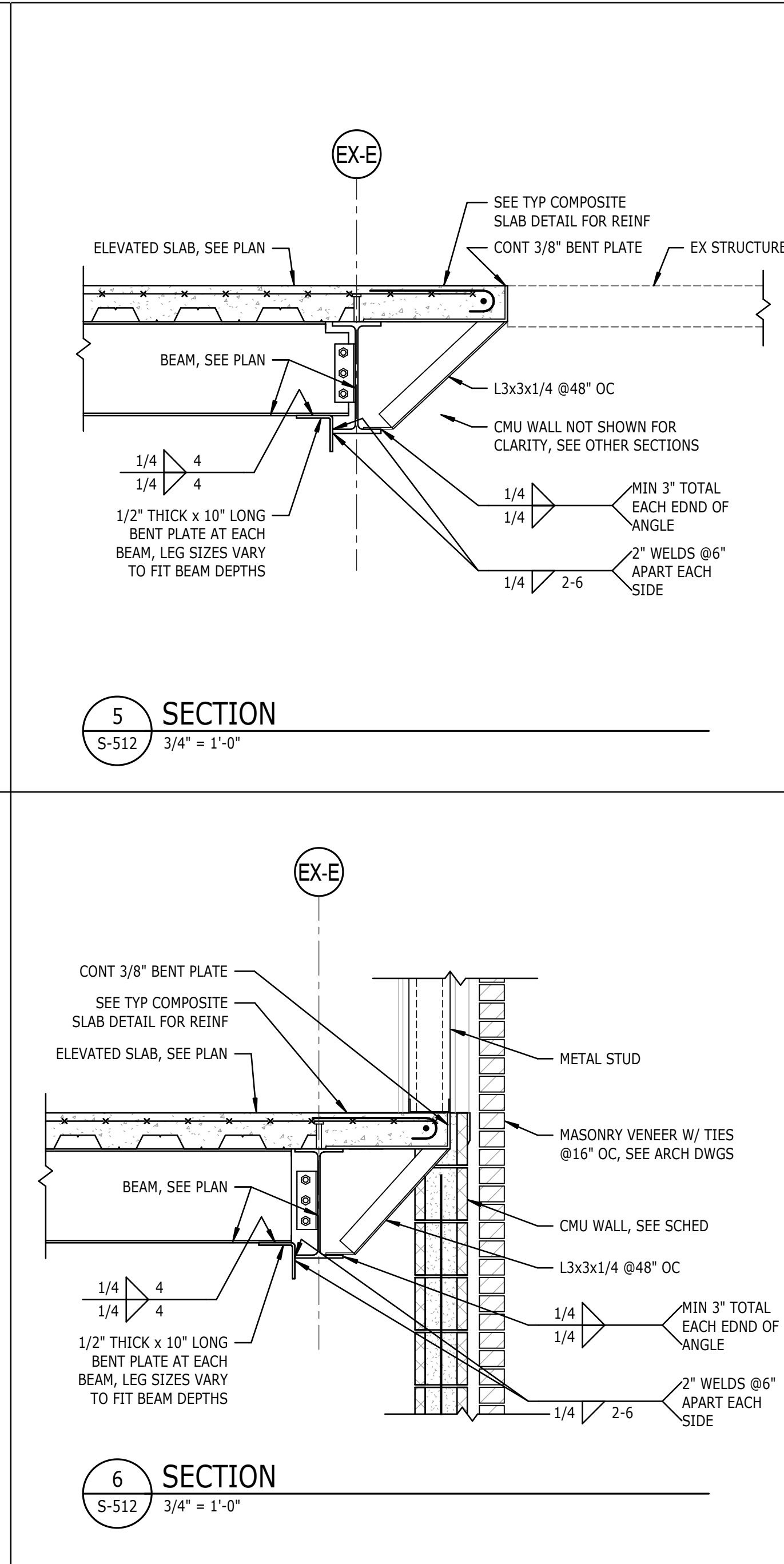
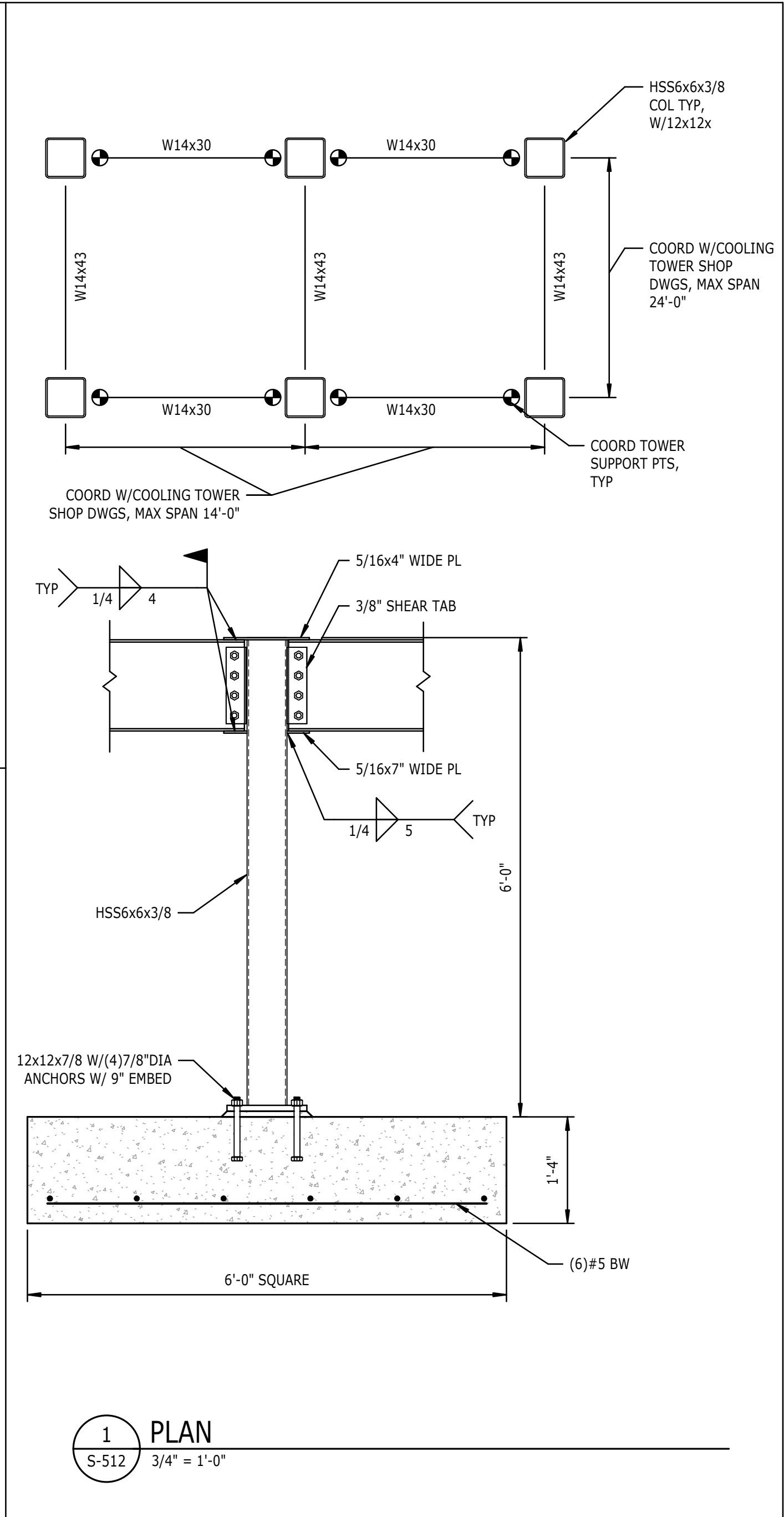
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

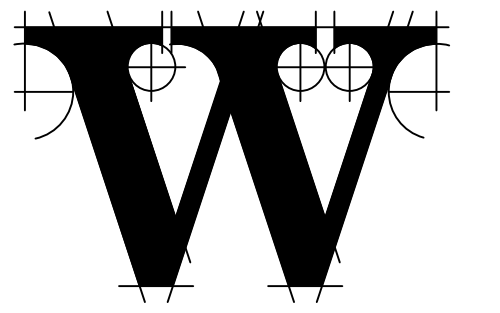
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

STRUCTURAL FLOOR SECTIONS

SHEET NUMBER
S-512





THE WILSON GROUP
- ARCHITECTS -

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
FIRM LICENSE #C-1051
STEWART

FP/PM/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTTRANSIT

SINGAGE & WAYFINDING
TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

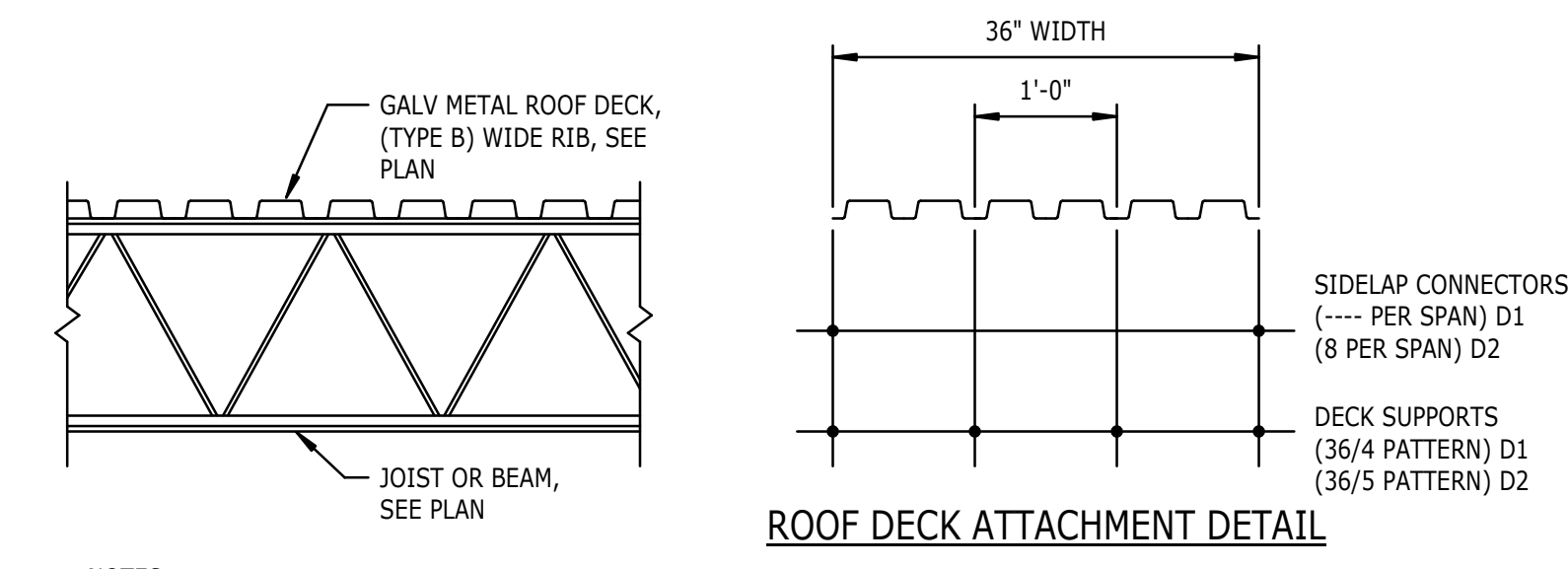
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

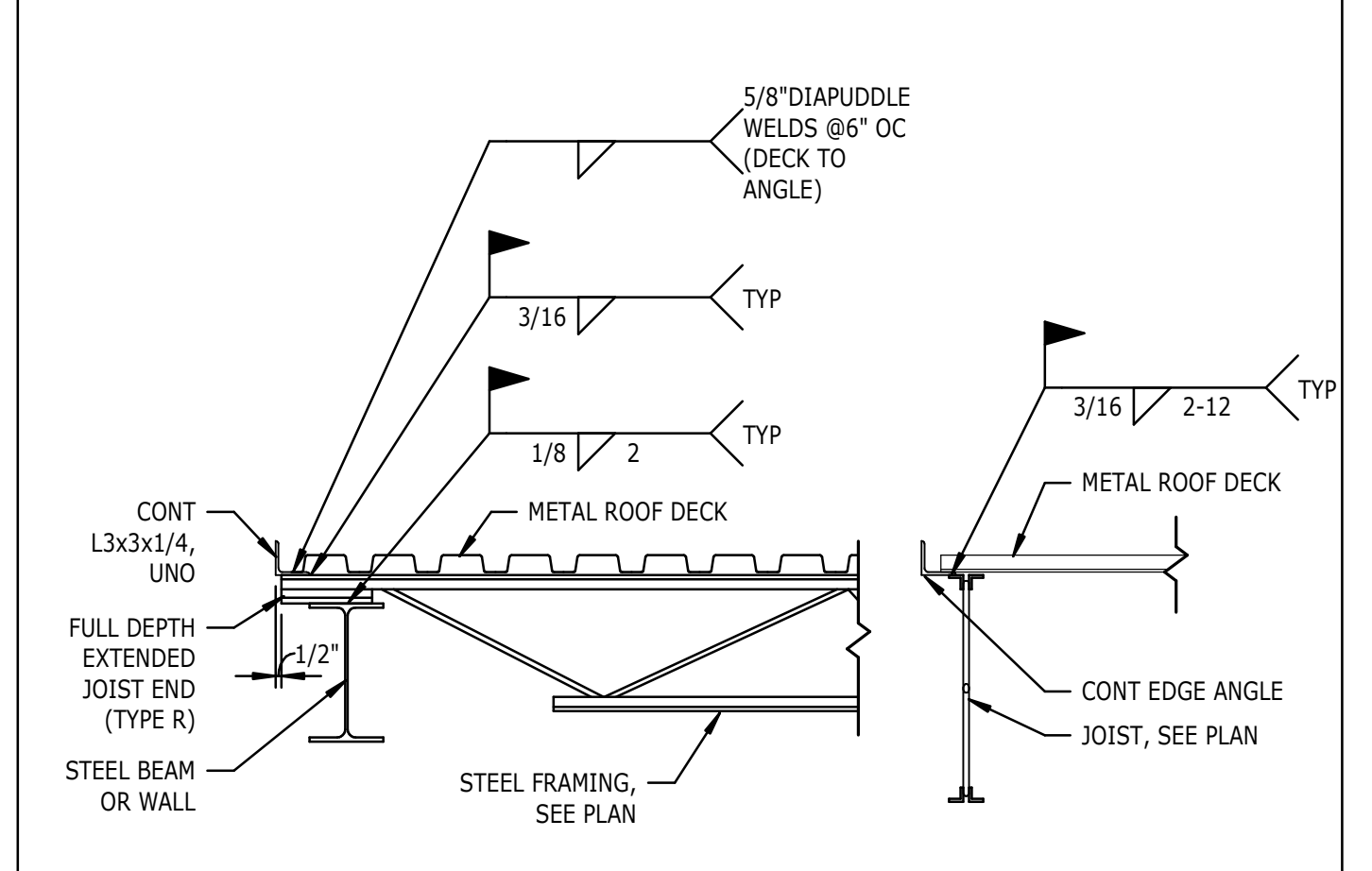
STRUCTURAL ROOF SECTIONS

SHEET NUMBER

S-521

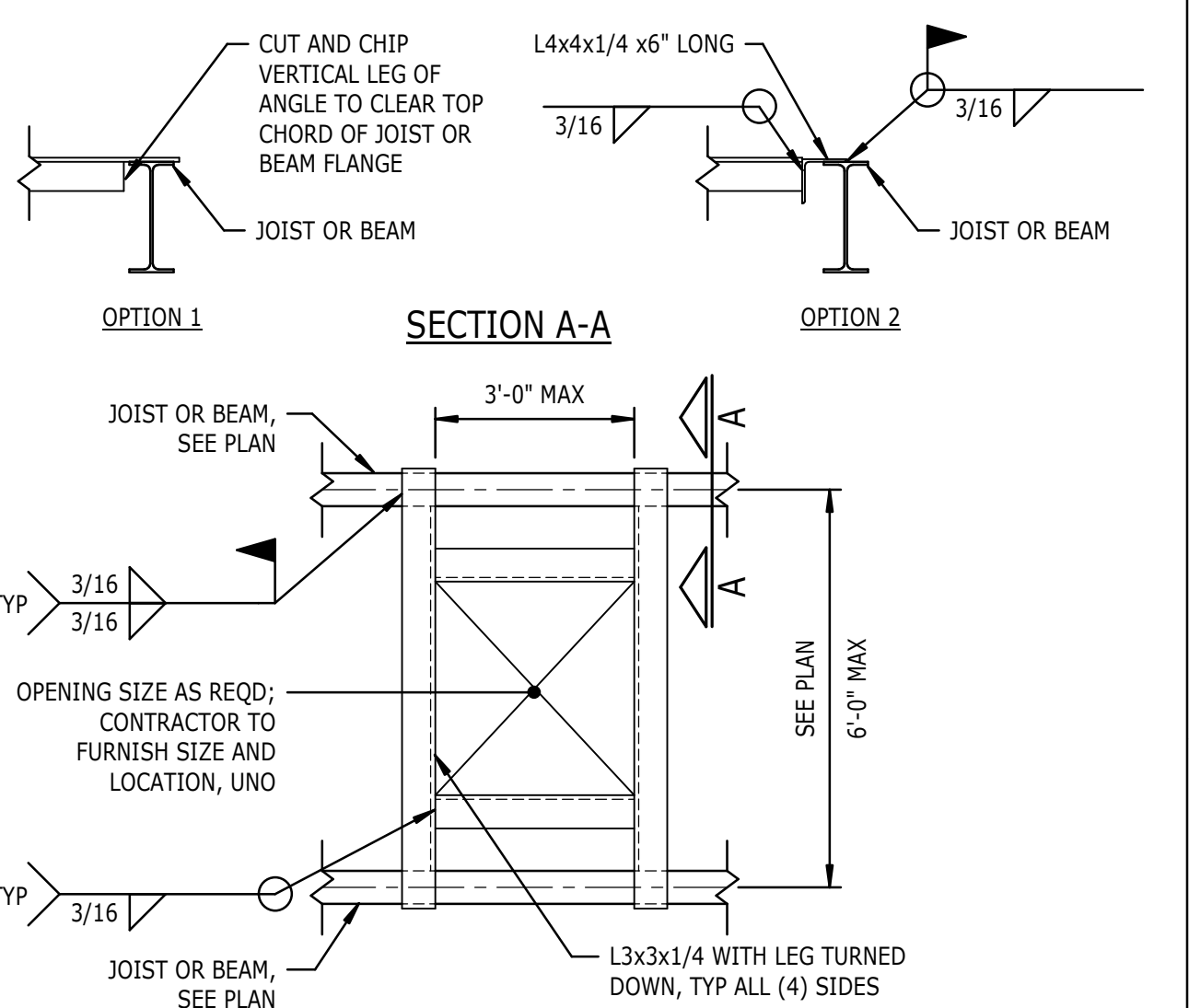


1 DETAIL
S-521 TYPICAL ROOF CONSTRUCTION, 1 1/2" METAL ROOF DECK
NTS



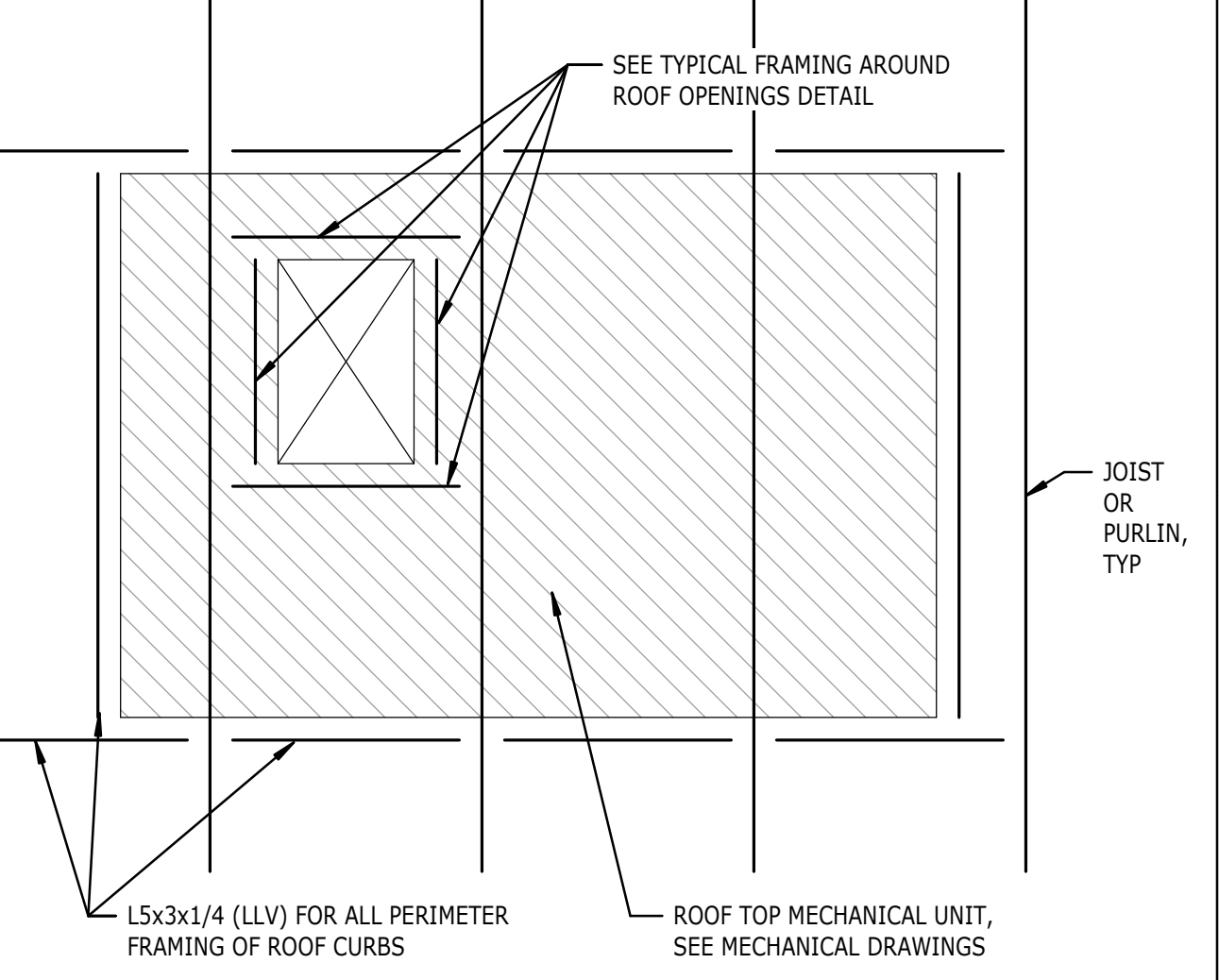
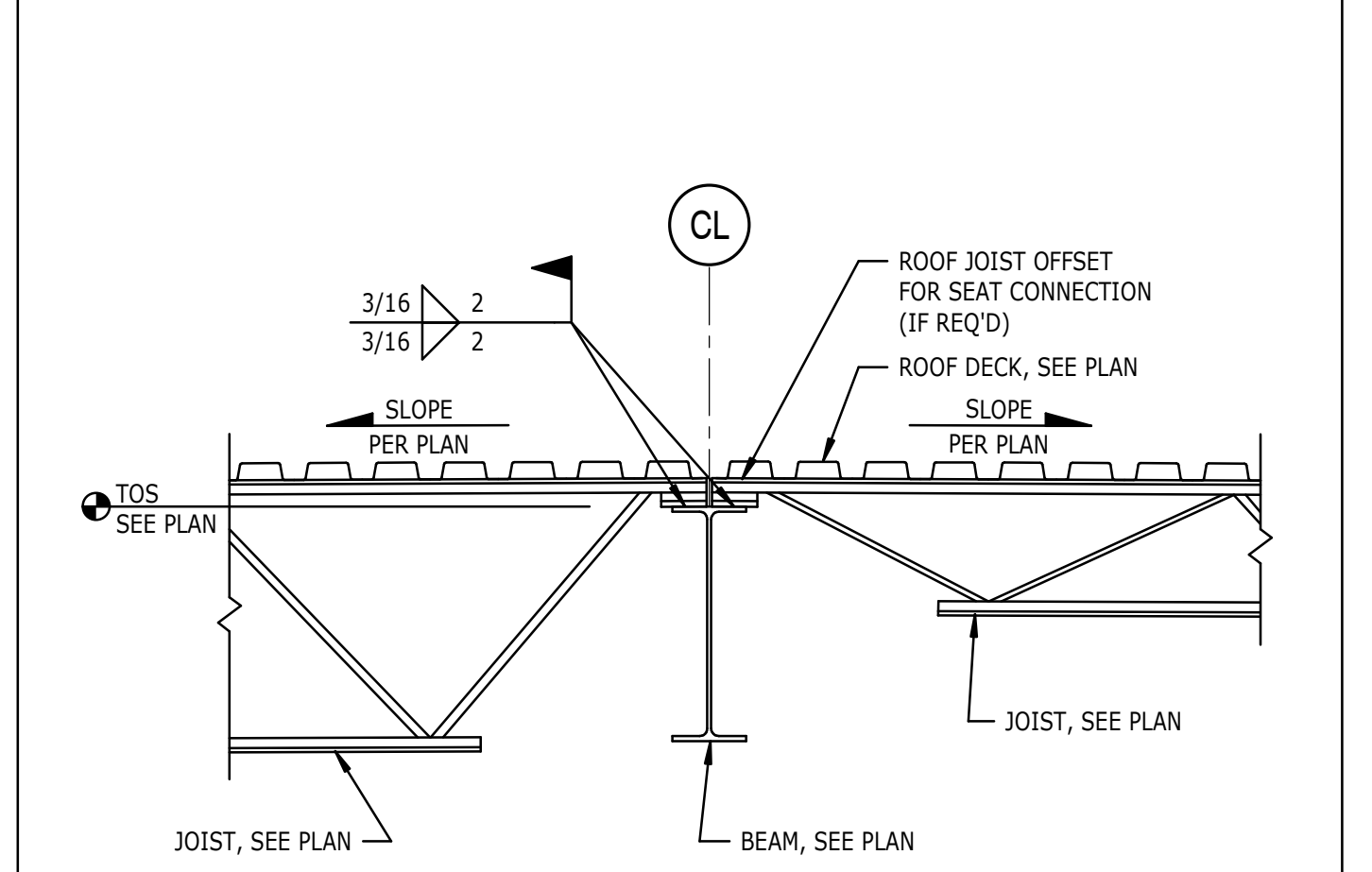
2 DETAIL
S-521 TYPICAL FRAMING AROUND ROOF OPENINGS, 1 1/2" METAL ROOF DECK
NTS

NOTES:
1. PROVIDE ANGLE FRAMING AROUND ALL OPENINGS LARGER THAN 10"x10" (10"0).



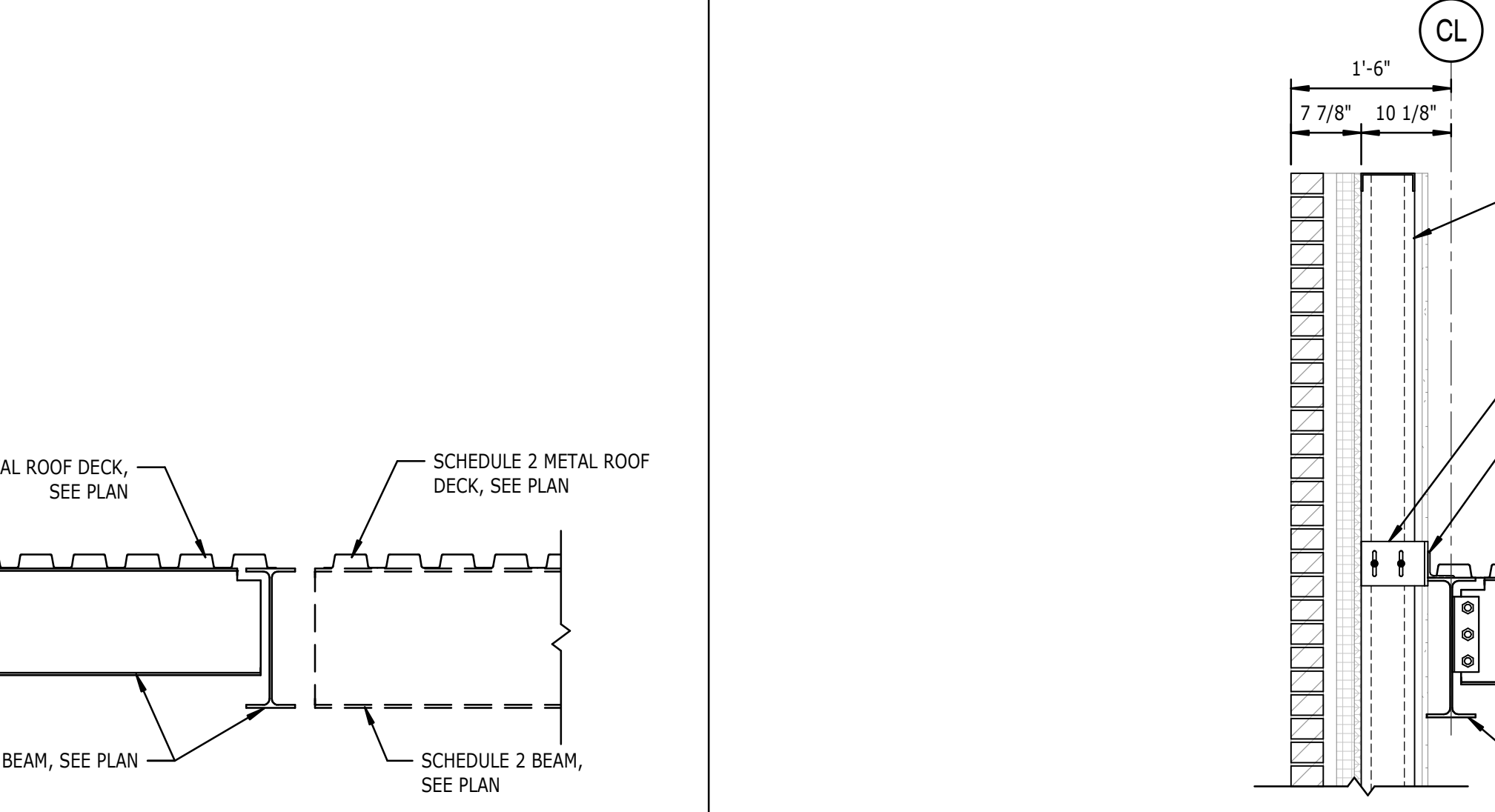
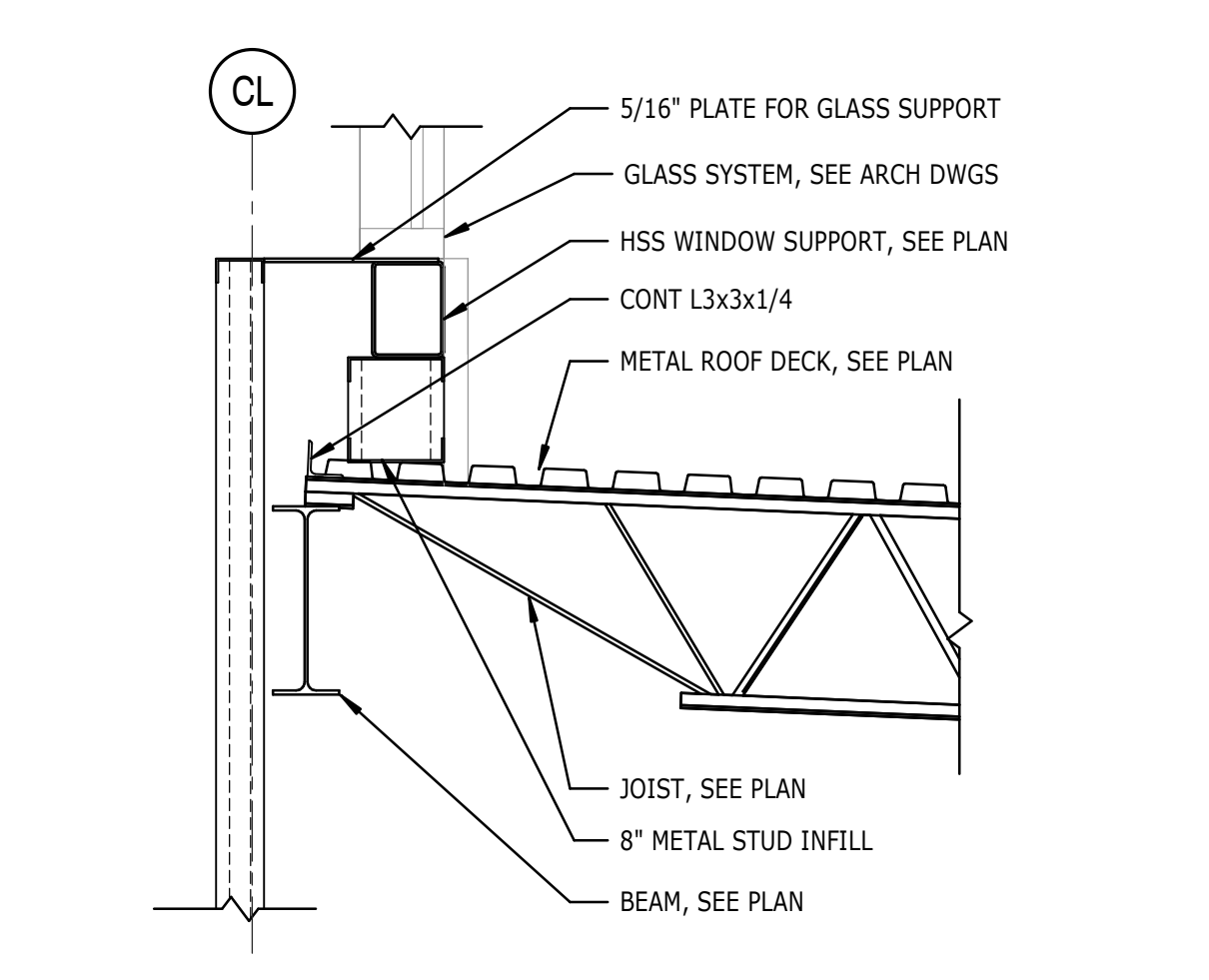
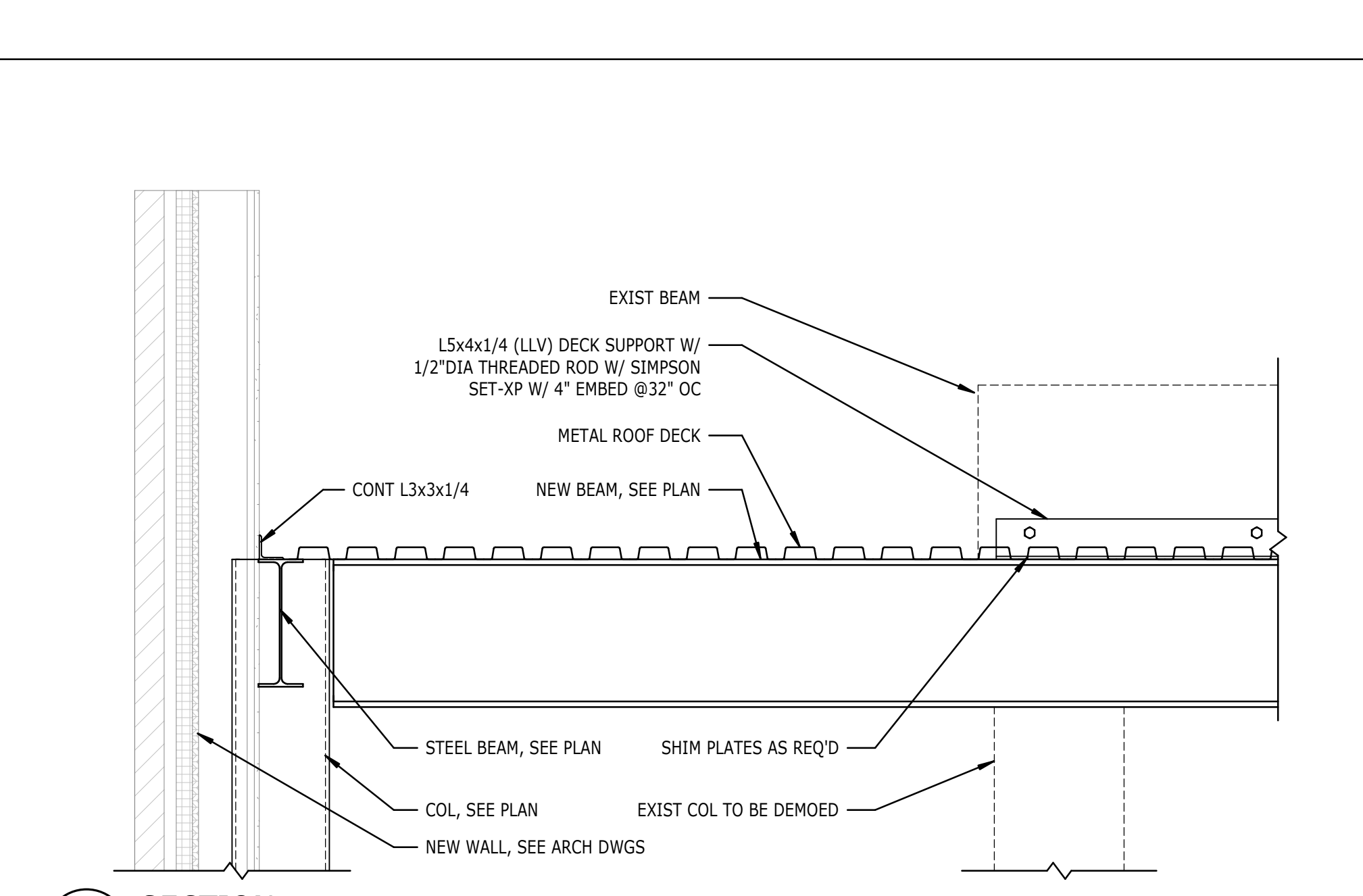
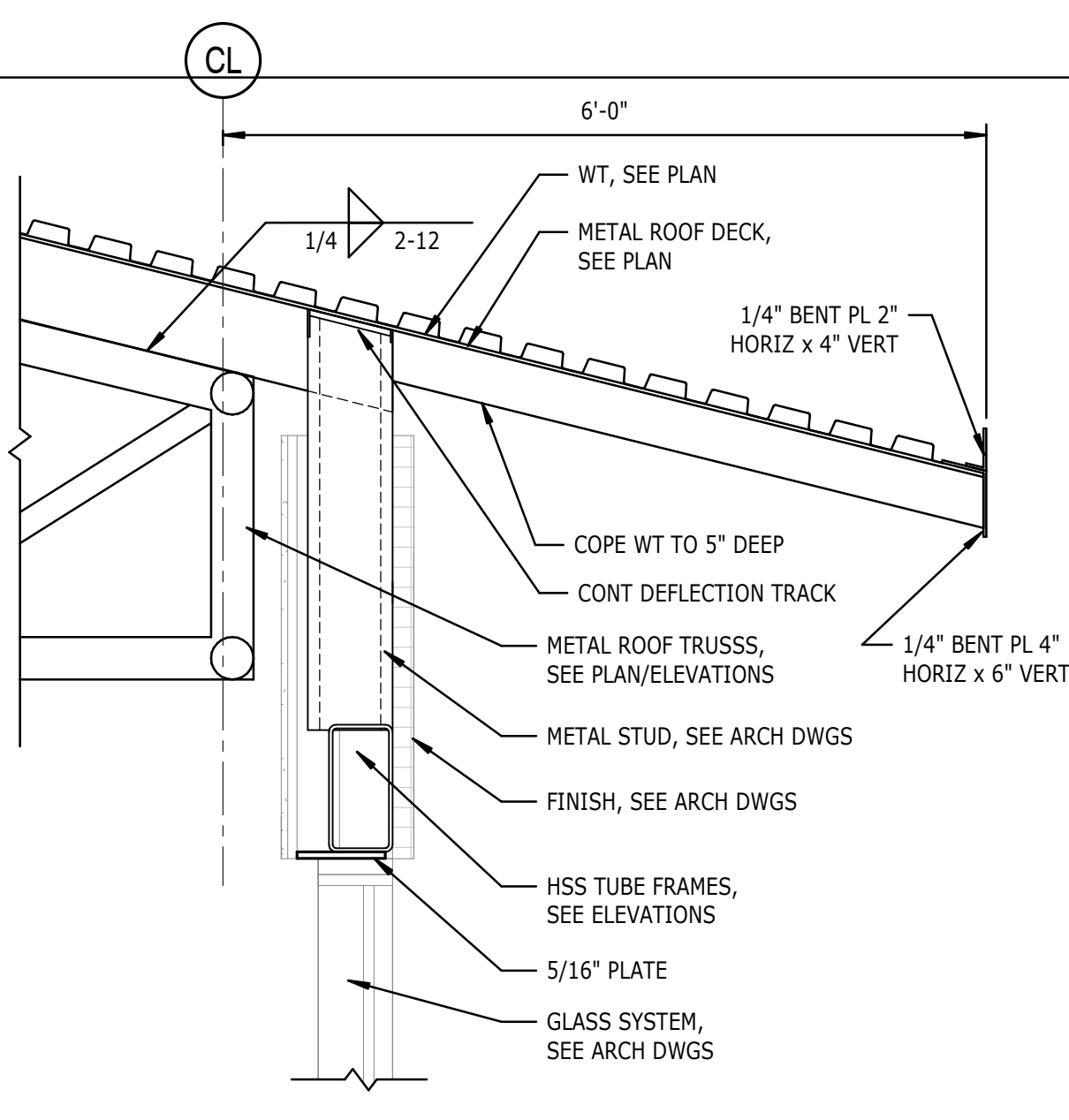
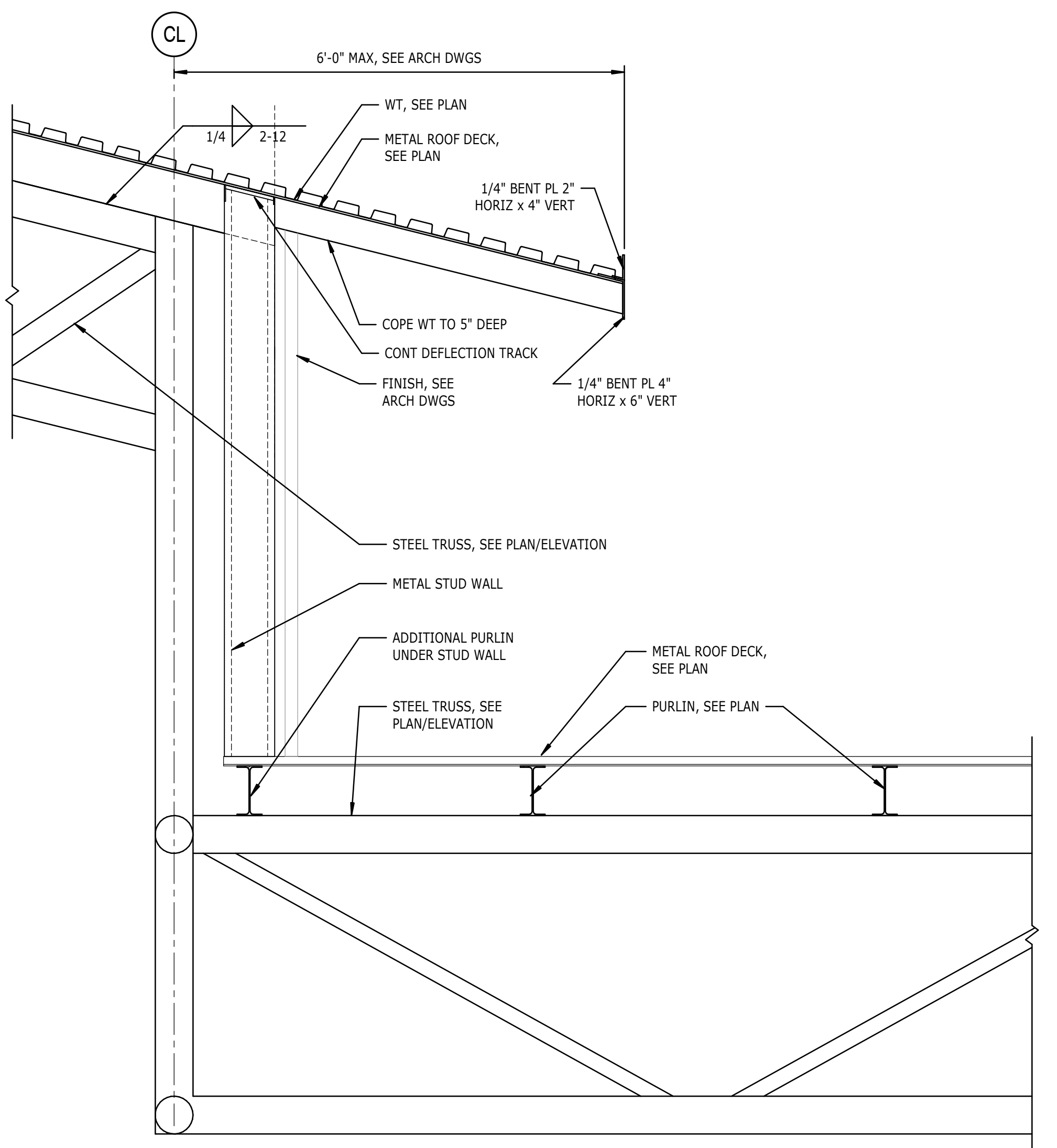
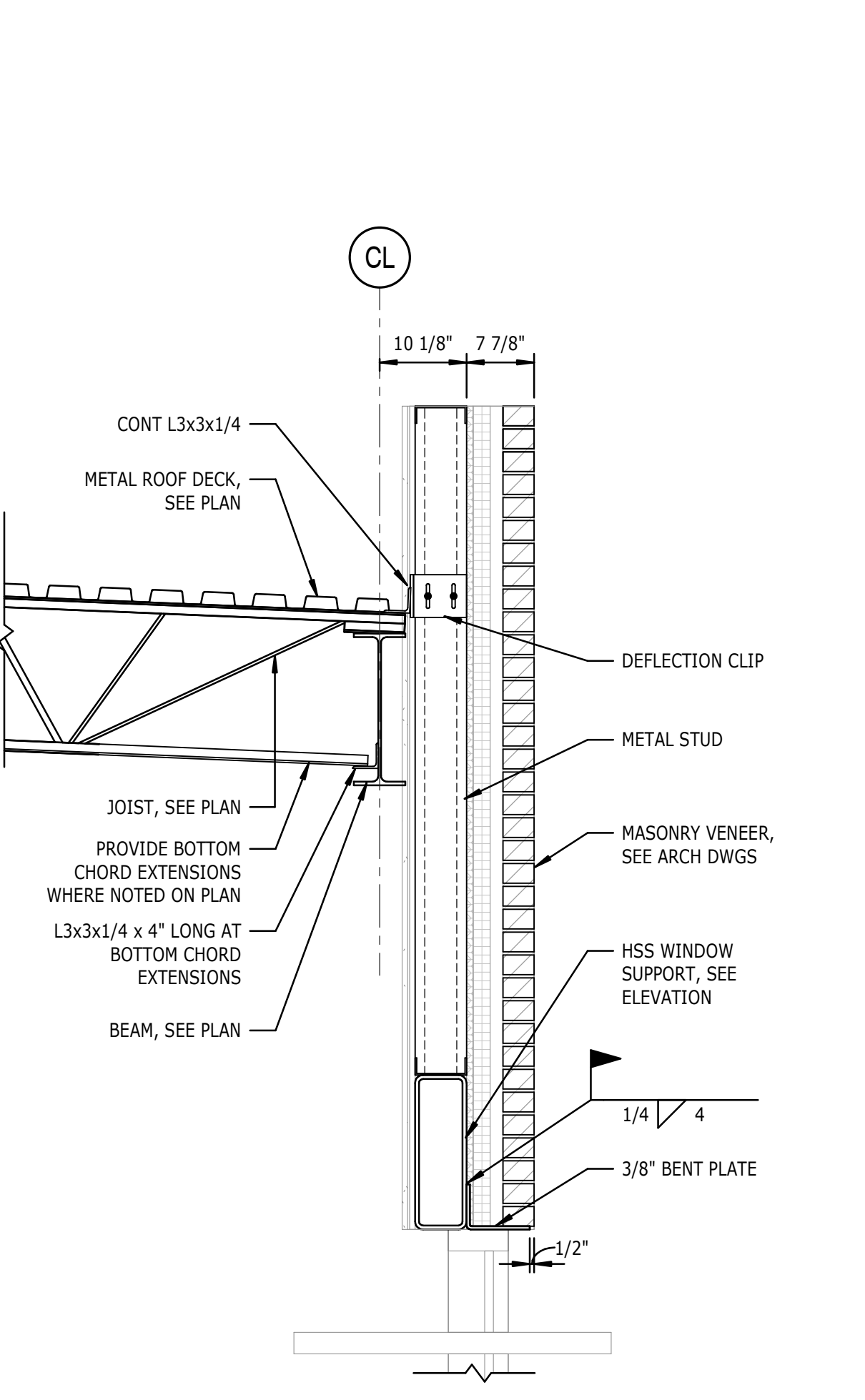
5 DETAIL
S-521 TYPICAL ROOF TOP MECHANICAL UNIT FRAMING
NTS

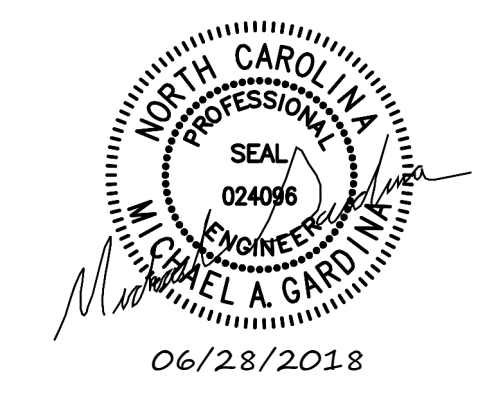
NOTES:
1. ALL MEMBERS NOT SIZED ON FRAMING PLAN SHALL BE L5x3x1/4.



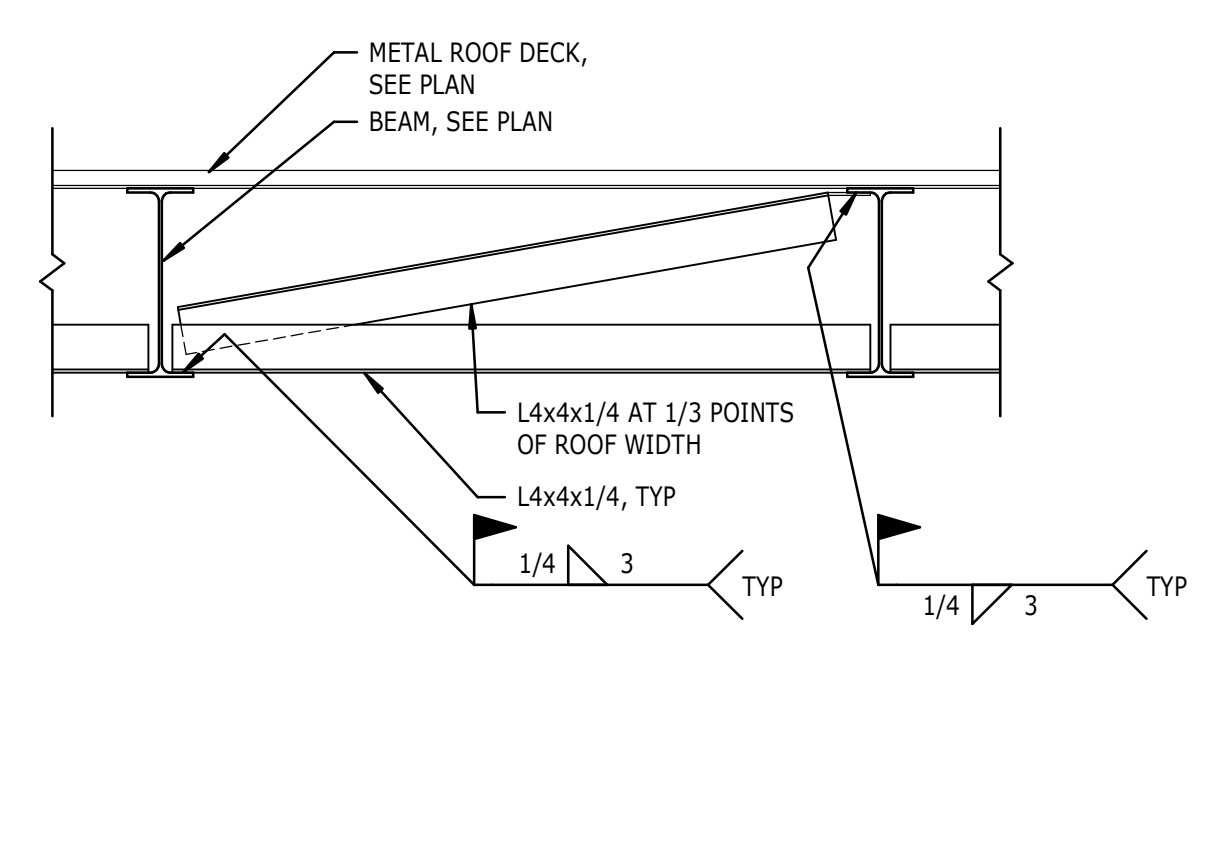
3 DETAIL
S-521 TYPICAL REINFORCING FOR CONCENTRATED LOADS ON STEEL JOISTS
NTS

NOTES:
1. WHERE POSSIBLE, ALL LOADS ARE TO BE SUPPORTED FROM PANEL POINTS. WHERE NOT POSSIBLE, PROVIDE REINFORCEMENT AS DETAILED.
2. LOADS LESS THAN 100 LBS REQUIRE NO ADDITIONAL REINFORCING. LOADS LARGER THAN 100 LBS PER JOIST REQUIRE SPECIAL SUPPORT CONDITIONS TO BE APPROVED BY THE ENGINEER OF RECORD.
3. BOTTOM CHORDS EXTENDING UNSUPPORTED PAST THE FIRST BOTTOM PANEL POINT TOWARD JOIST BEARING LOCATION ARE NOT TO BE USED TO SUPPORT ANY LOAD WITHOUT WRITTEN PERMISSION FROM THE ENGINEER OF RECORD.

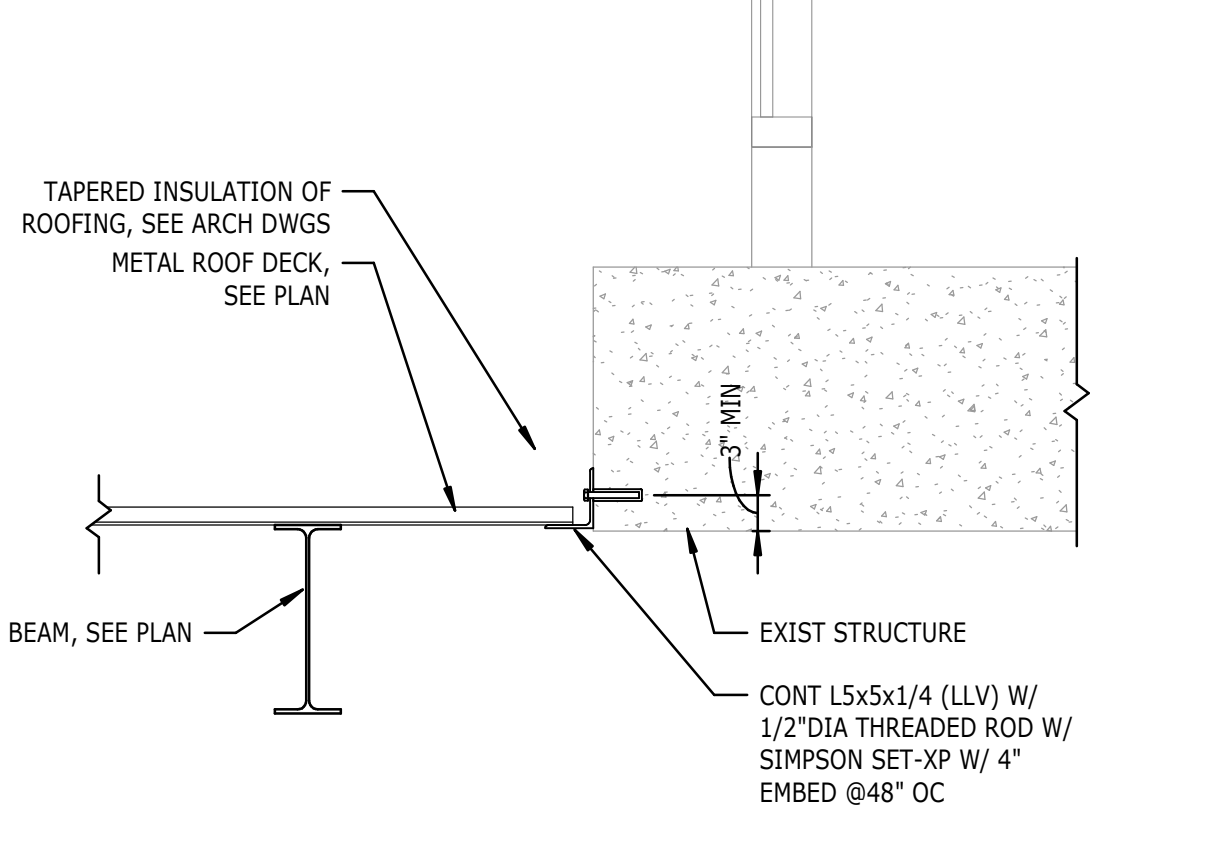




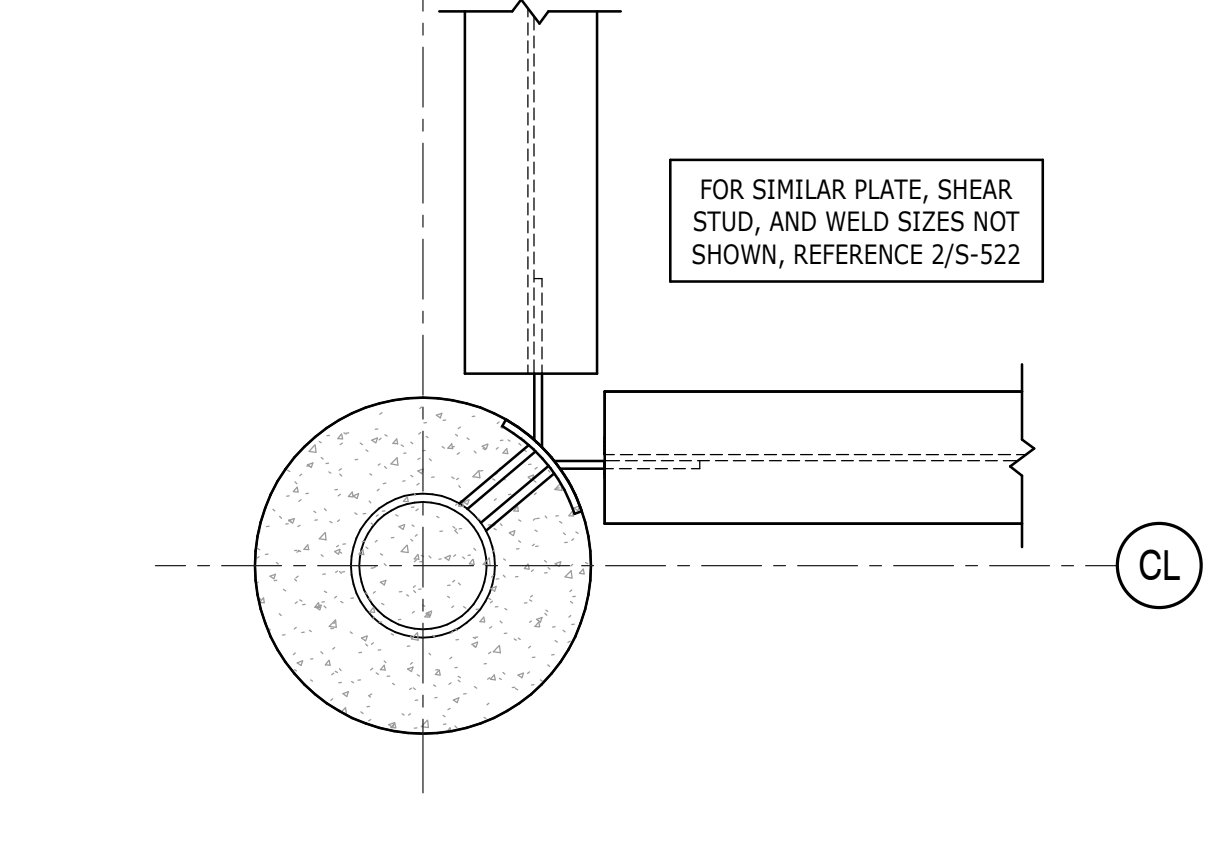
17 SECTION
S-522 BOTTOM FLANGE BRACING DETAIL
NTS



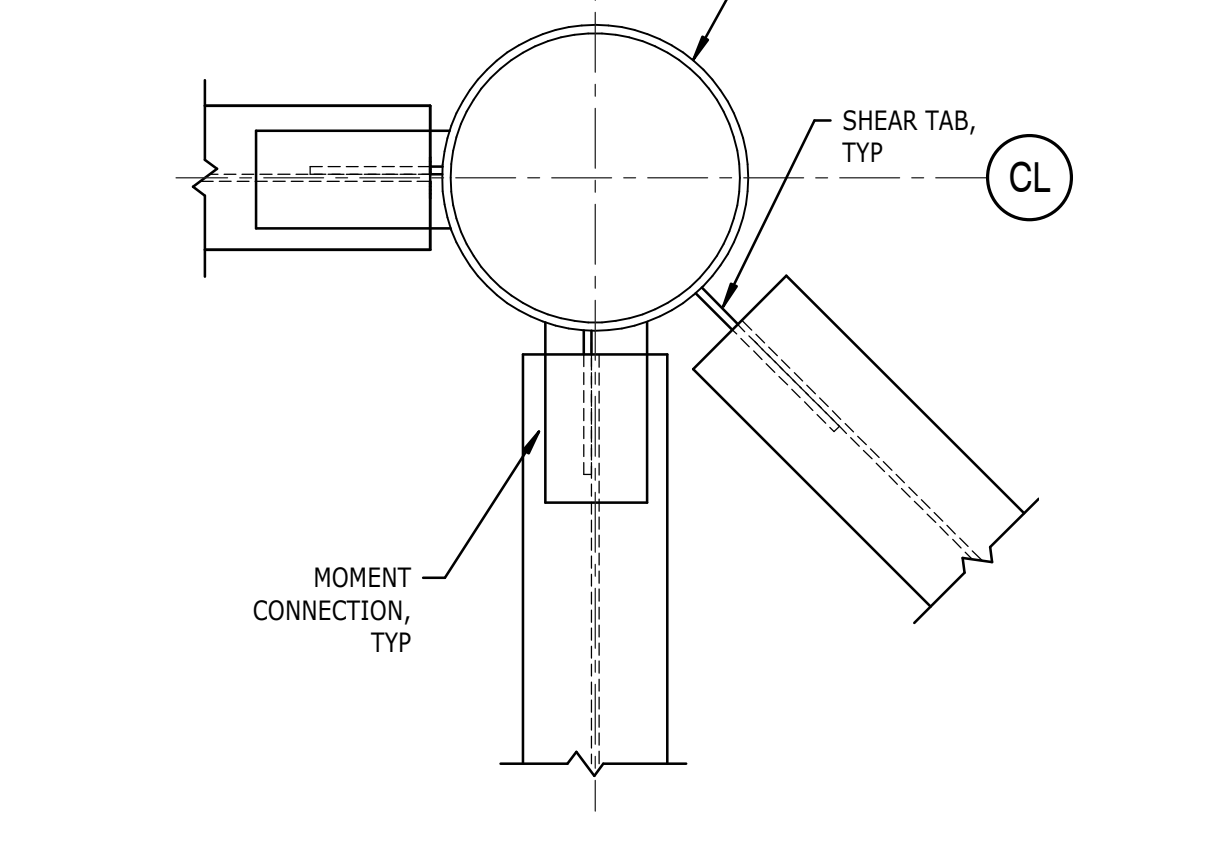
9 SECTION
S-522 3/4" = 1'-0"



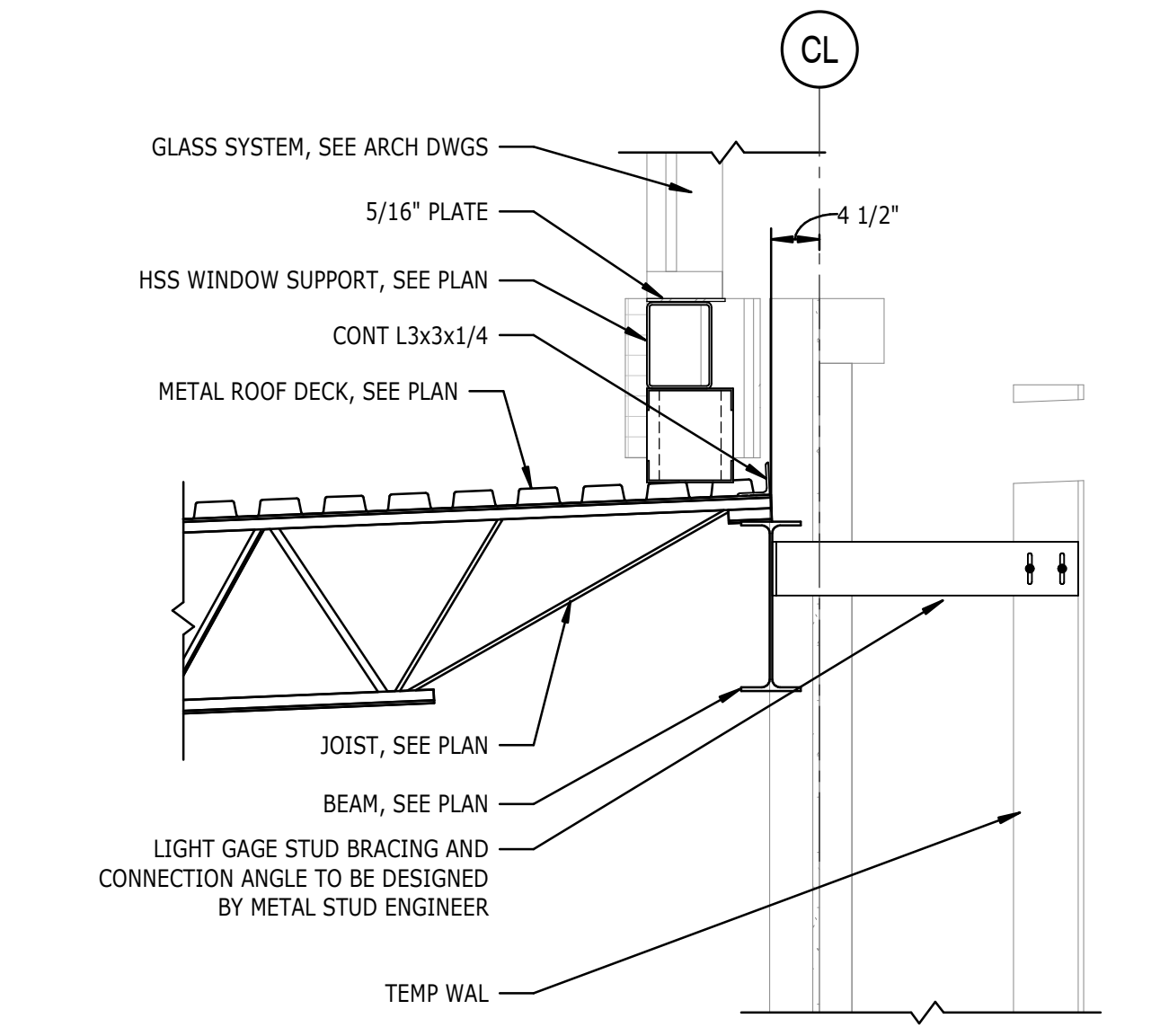
5 PLAN
S-522 CONNECTION PLATE DETAIL
1 1/2" = 1'-0"



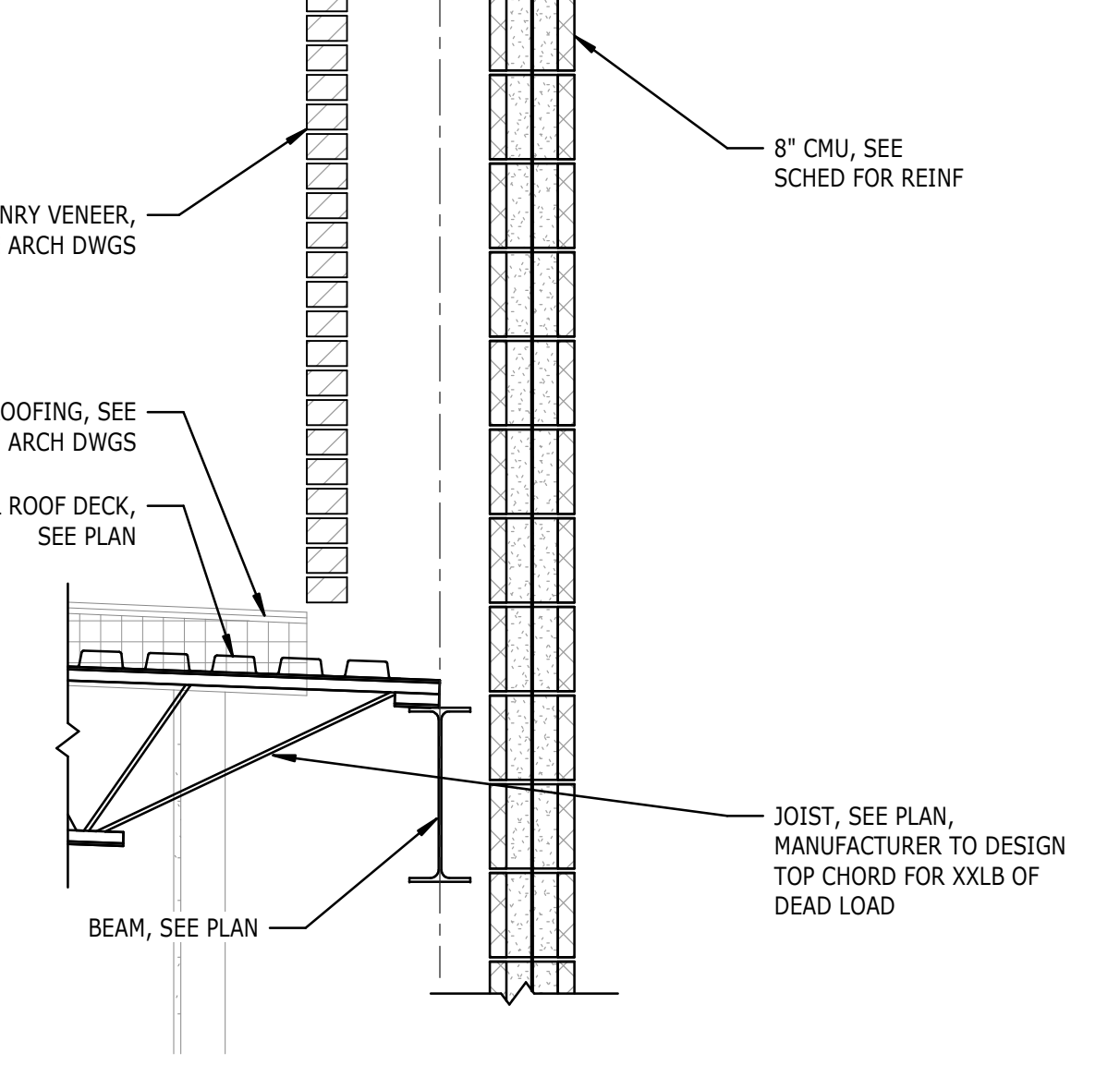
1 CONNECTION PLAN DETAIL
S-522 NTS



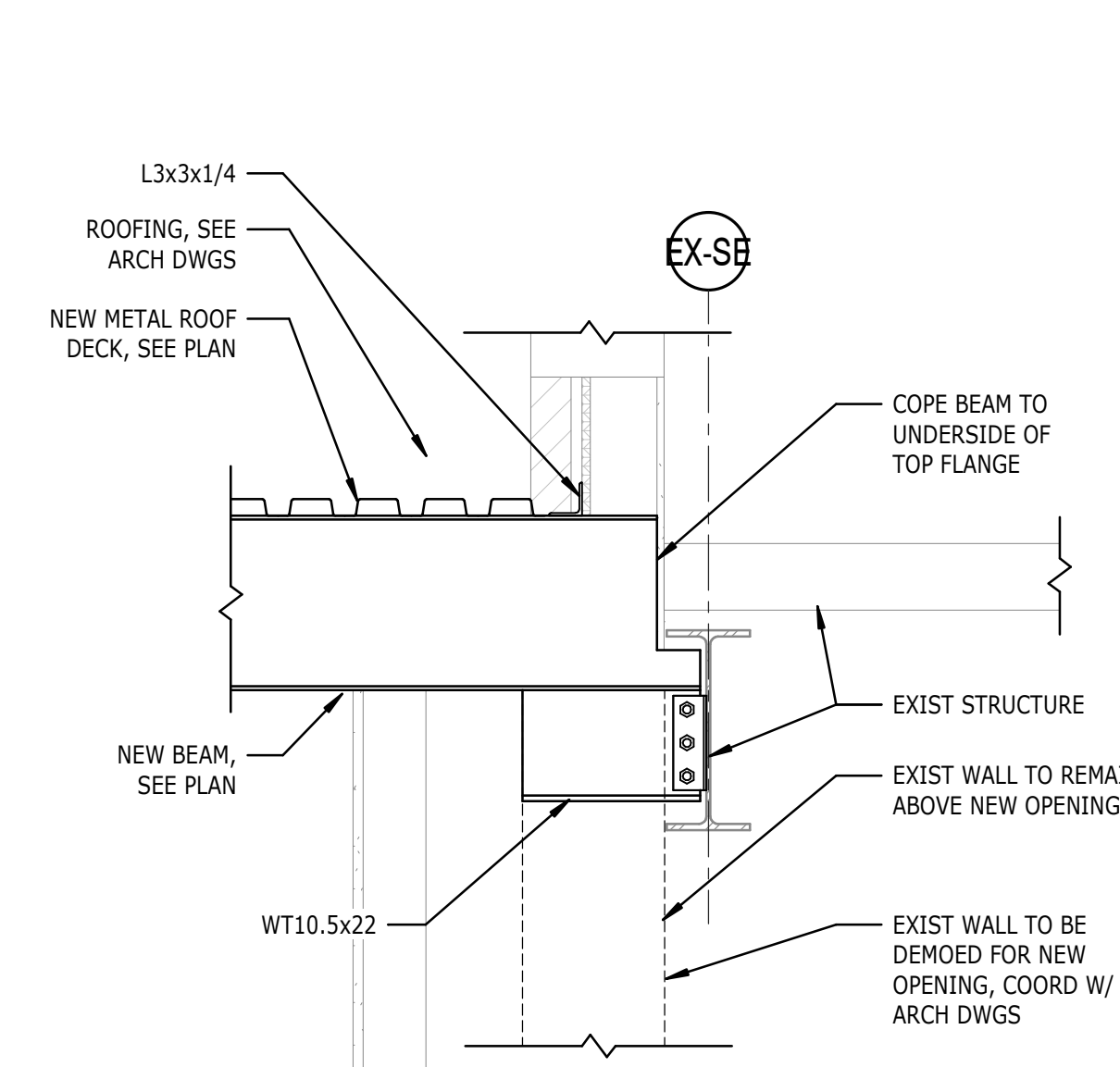
18 SECTION
S-522 3/4" = 1'-0"



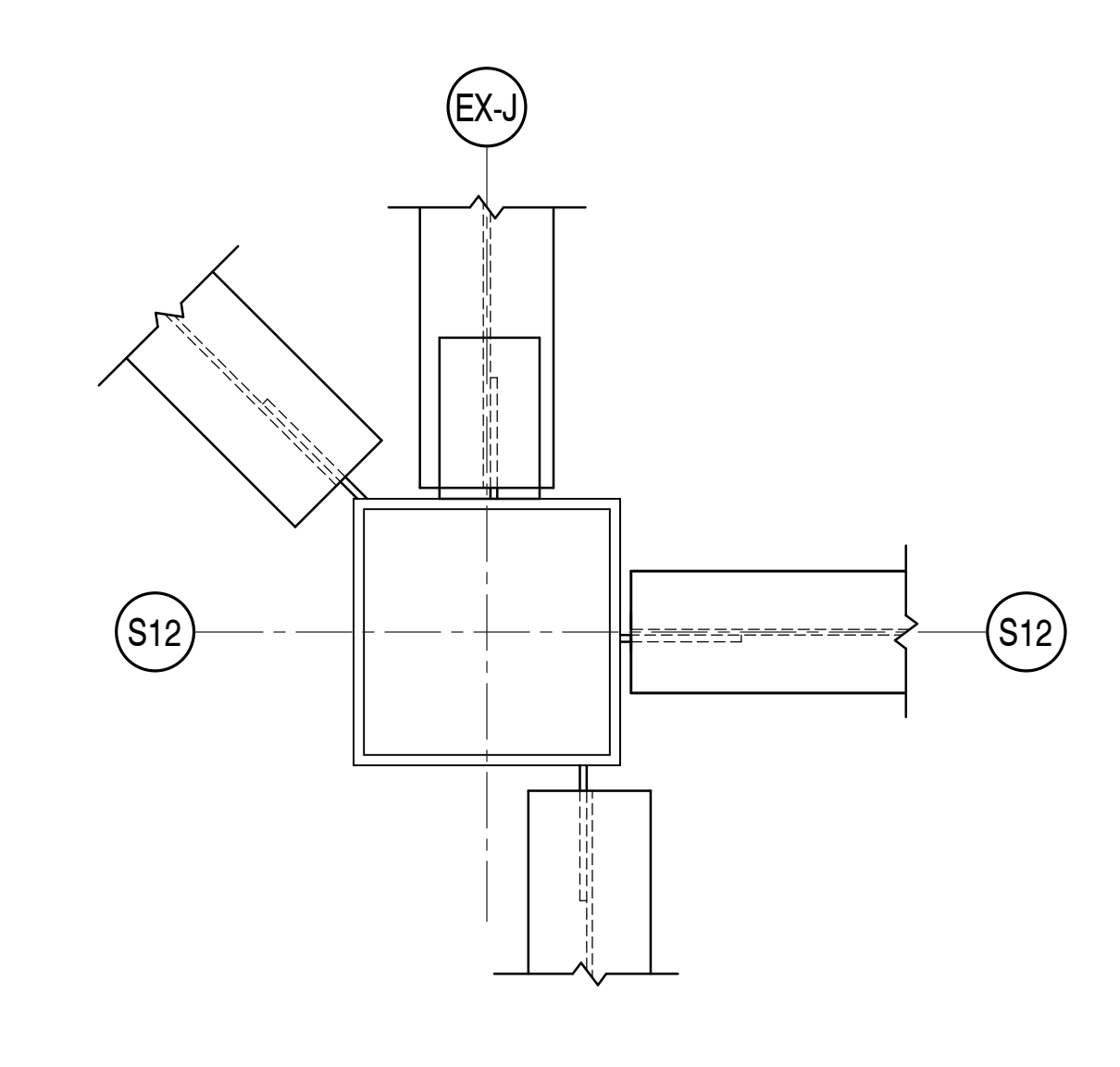
13 SECTION
S-522 3/4" = 1'-0"



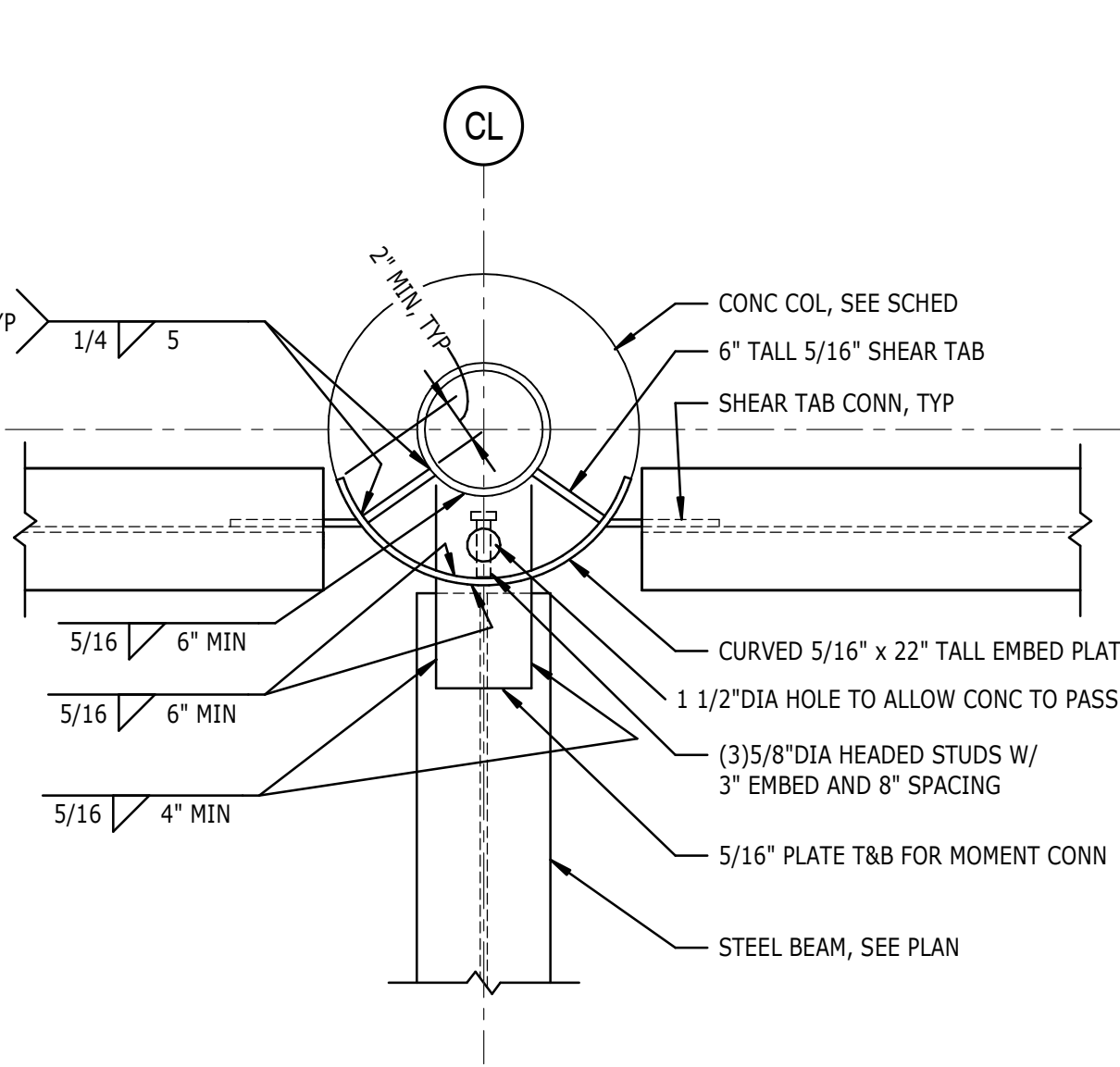
10 SECTION
S-522 3/4" = 1'-0"



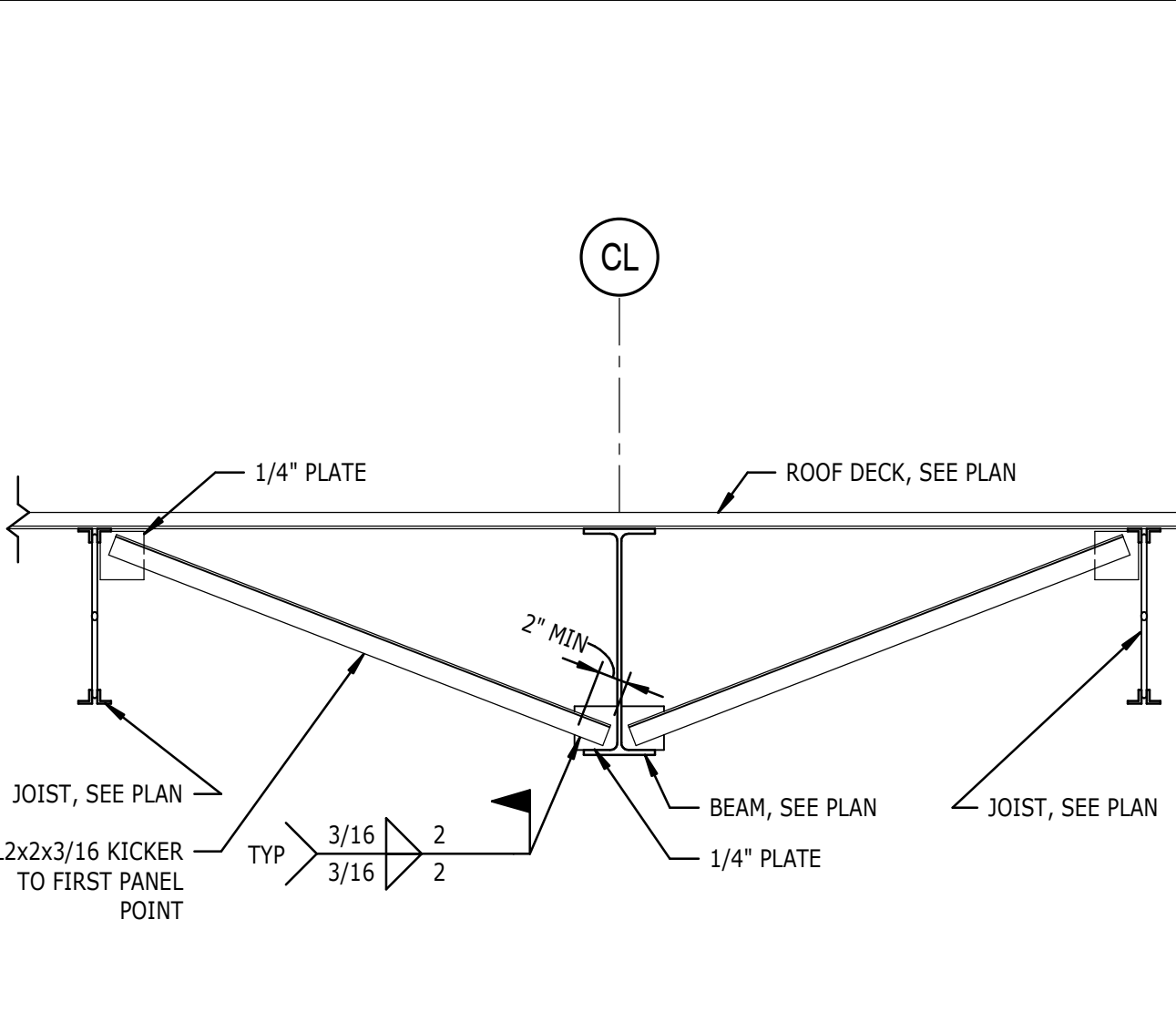
6 PLAN
S-522 CONNECTION PLATE DETAIL
1 1/2" = 1'-0"



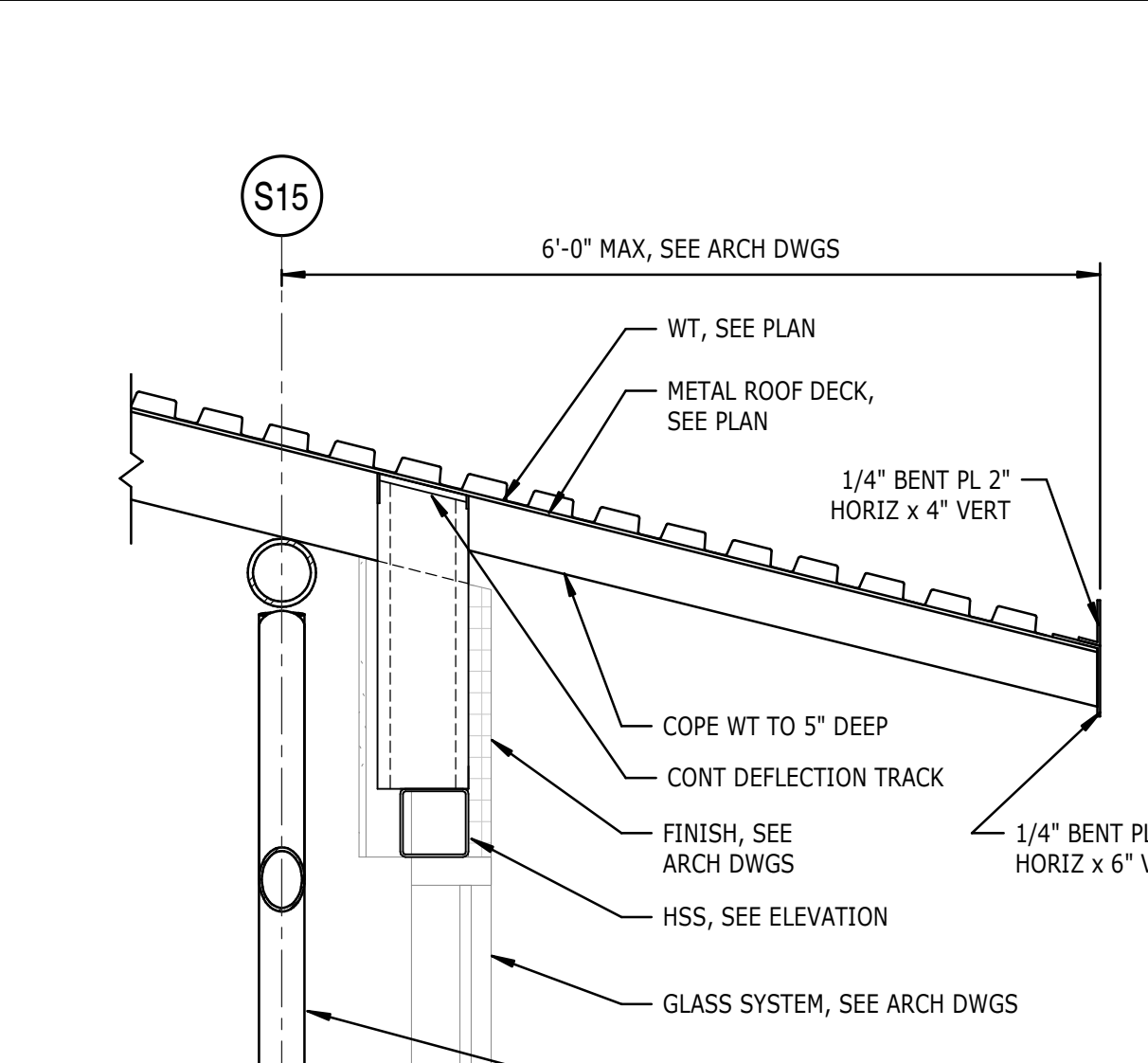
2 CONNECTION PLAN DETAIL
S-522 1 1/2" = 1'-0"



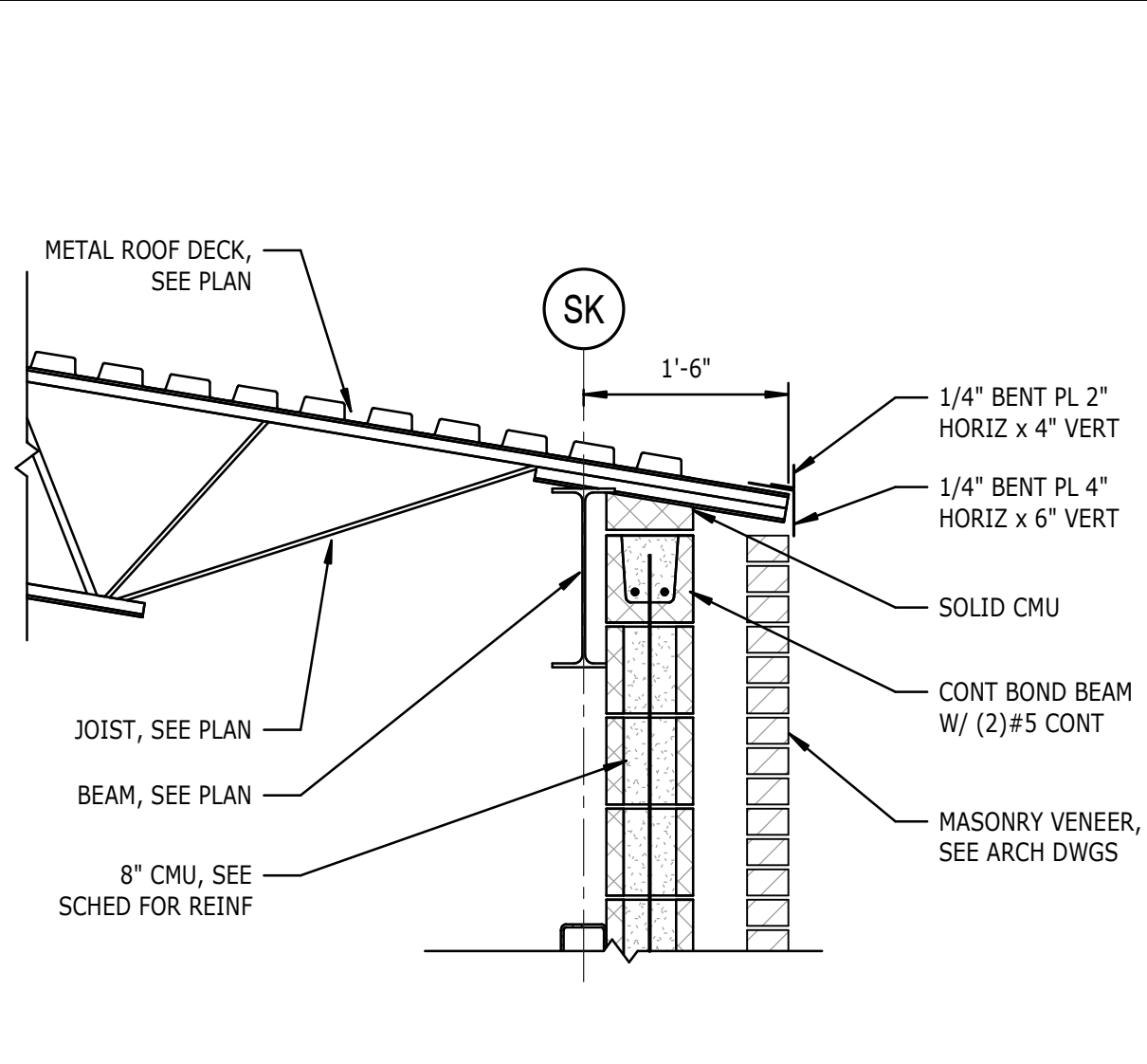
19 SECTION
S-522 3/4" = 1'-0"



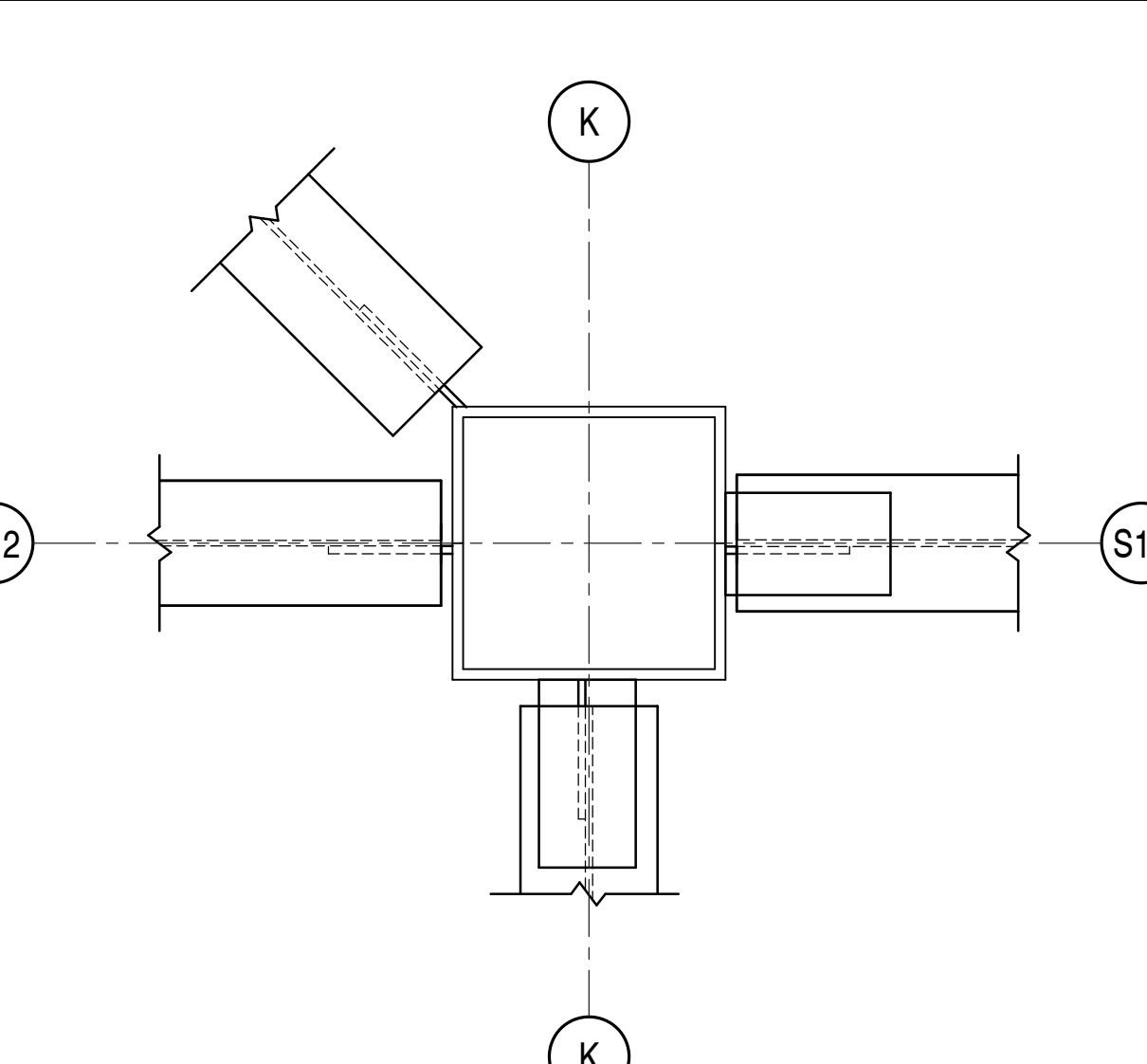
15 SECTION
S-522 3/4" = 1'-0"



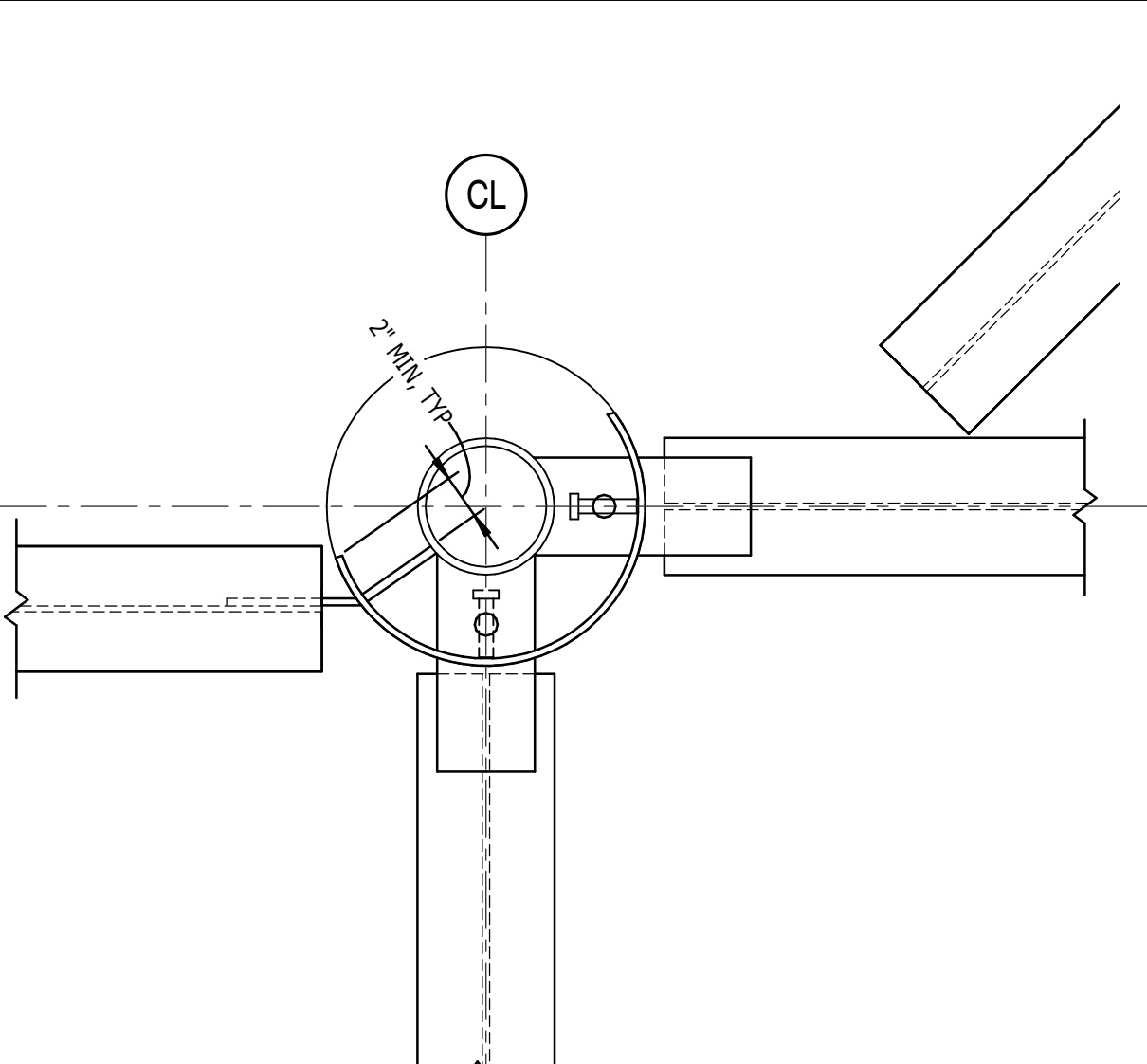
11 SECTION
S-522 3/4" = 1'-0"



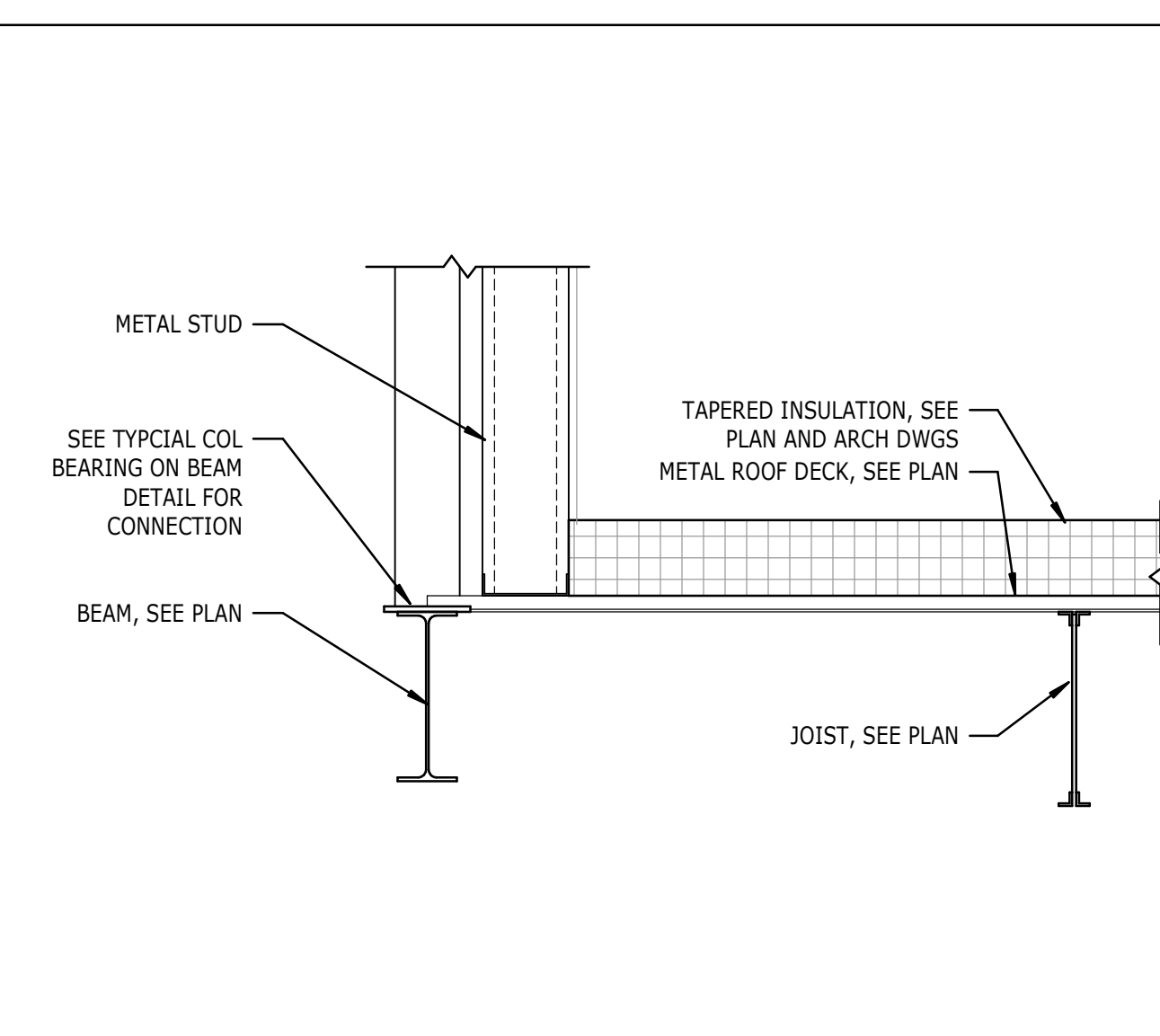
7 PLAN
S-522 CONNECTION PLATE DETAIL
1 1/2" = 1'-0"



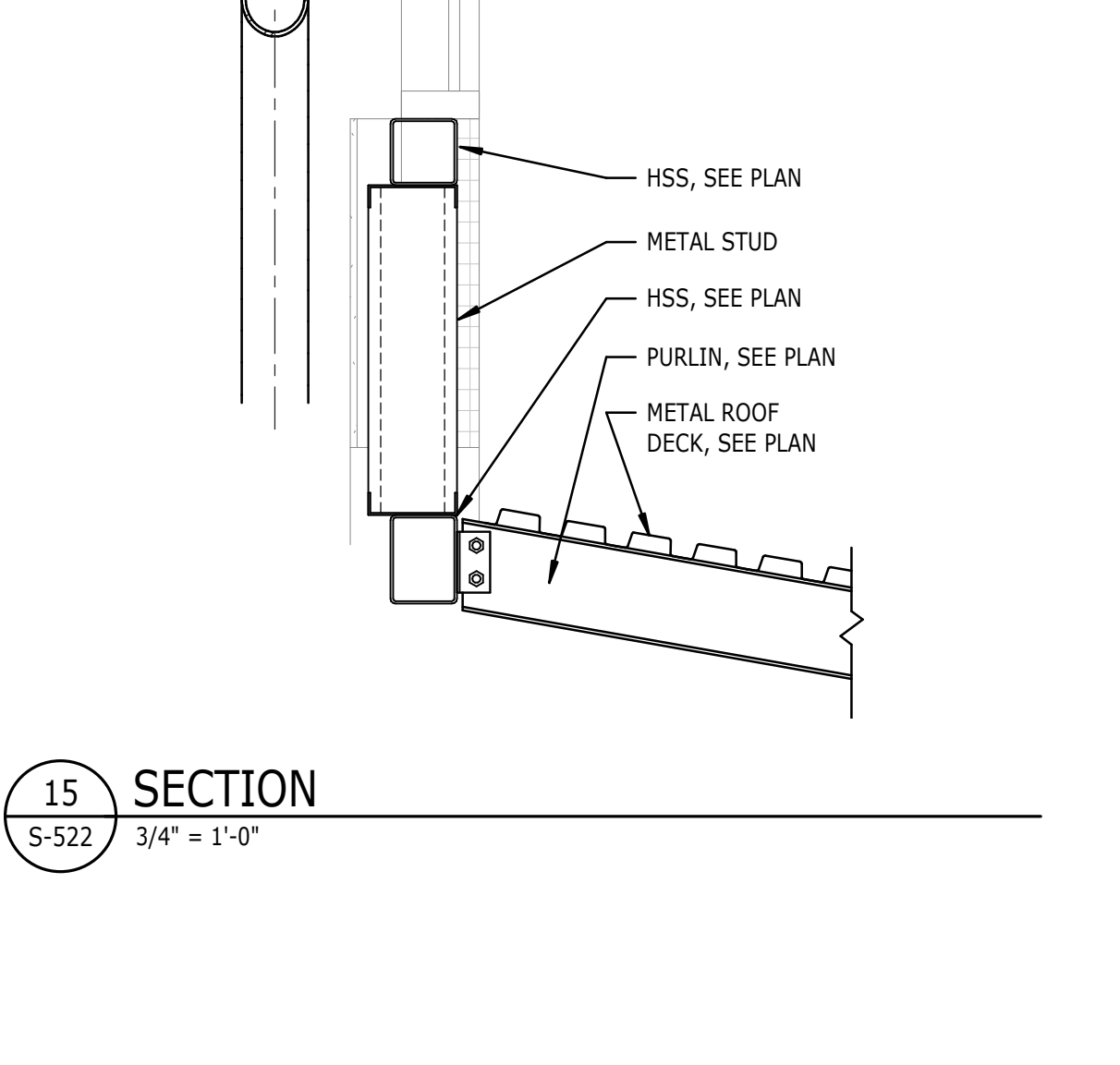
3 CONNECTION PLAN DETAIL
S-522 1 1/2" = 1'-0"



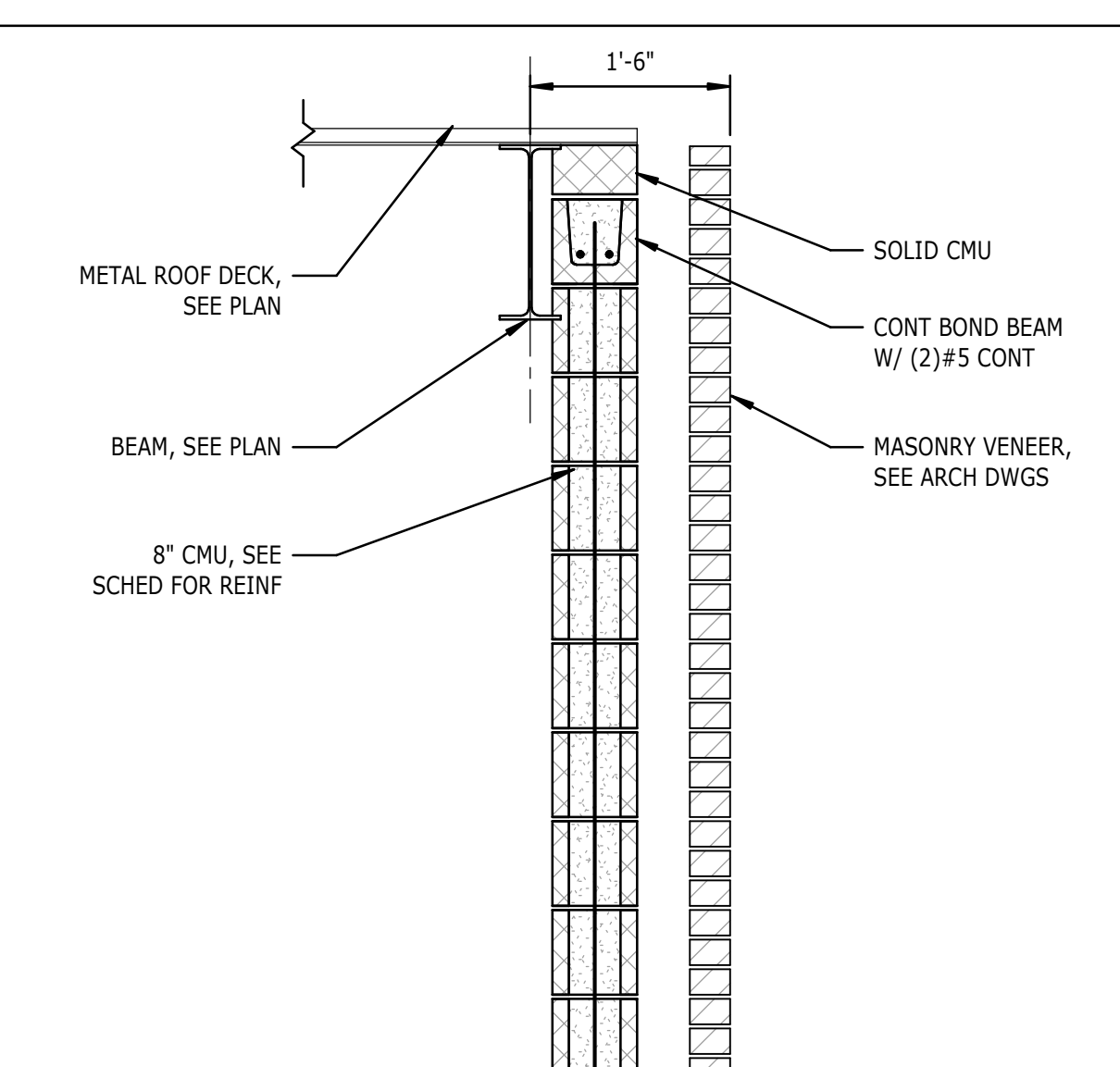
20 SECTION
S-522 3/4" = 1'-0"



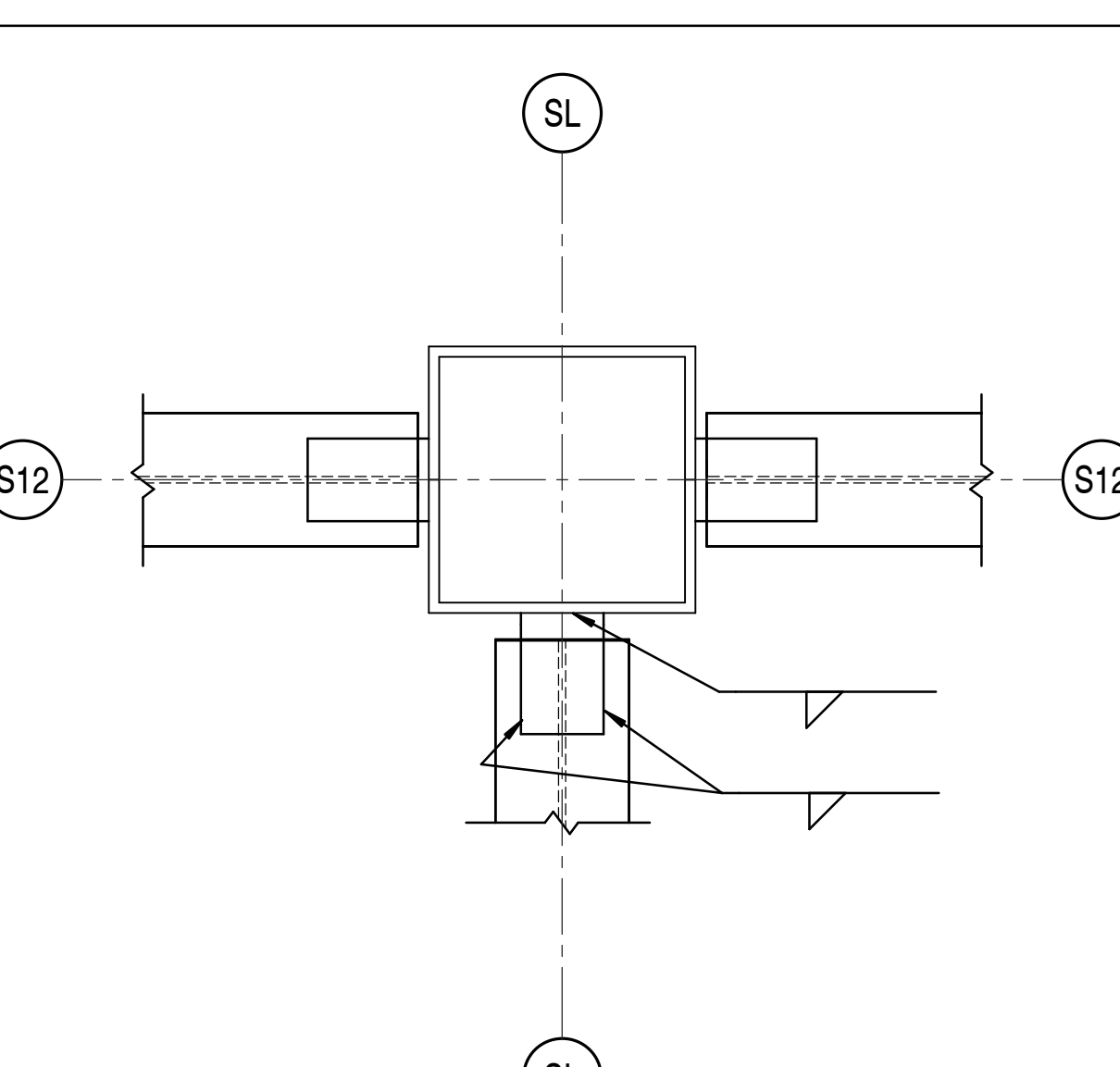
12 SECTION
S-522 3/4" = 1'-0"



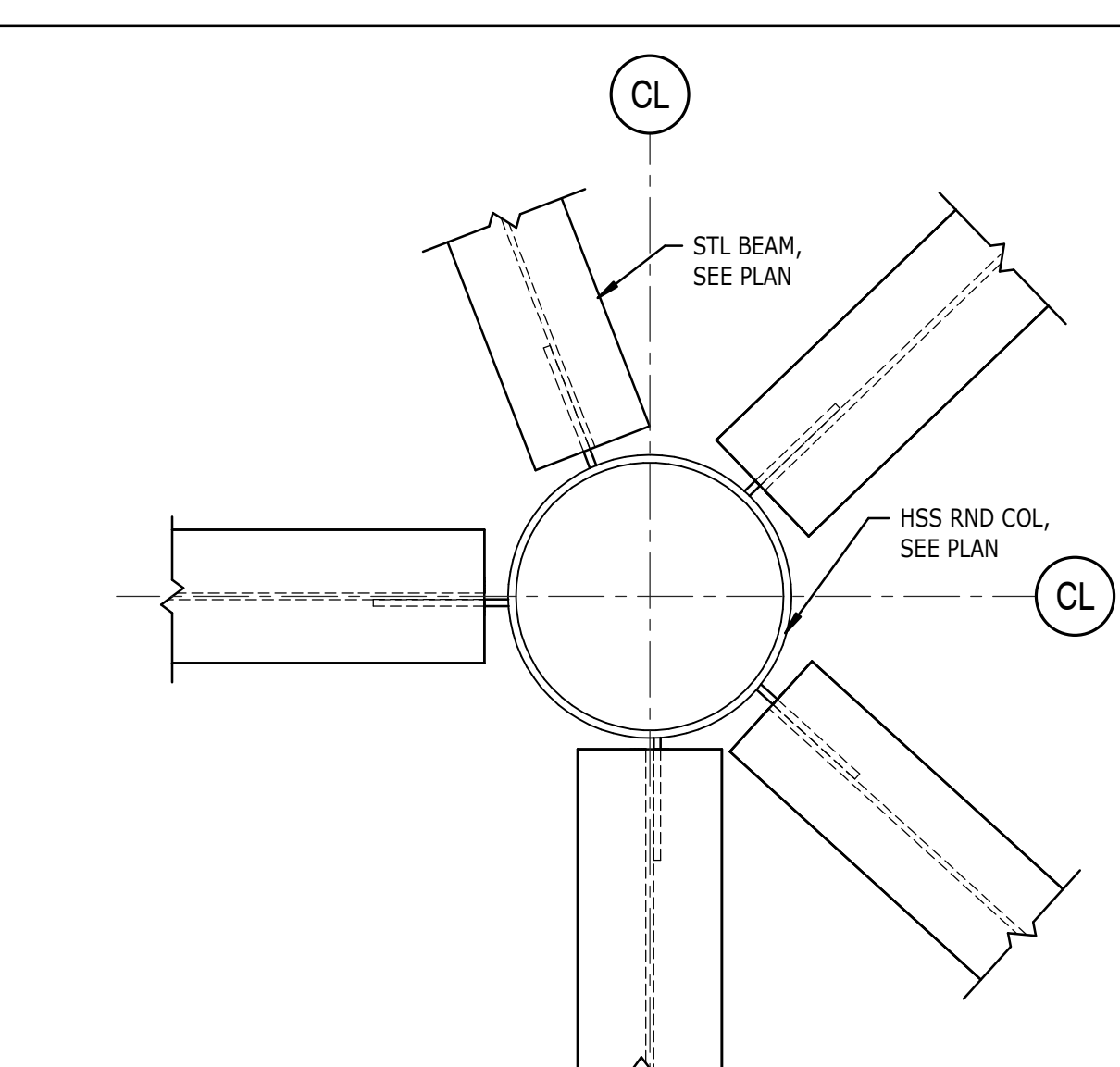
8 PLAN
S-522 CONNECTION PLATE DETAIL
1 1/2" = 1'-0"

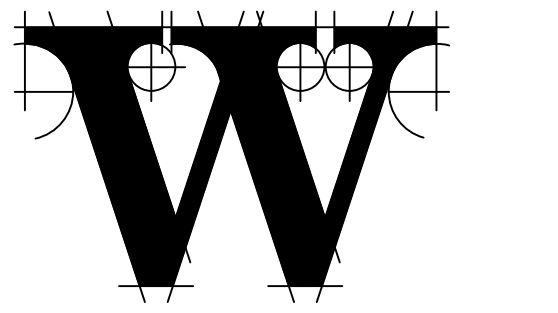
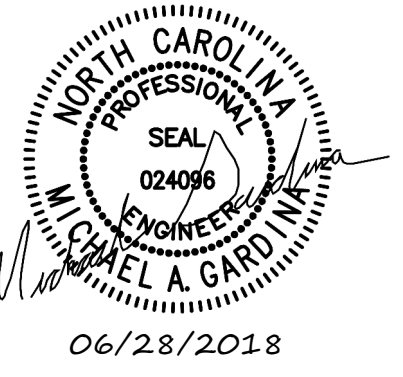


4 CONNECTION PLAN DETAIL
S-522 1 1/2" = 1'-0"



4 CONNECTION PLAN DETAIL
S-522 1 1/2" = 1'-0"





THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT

CONSULTING ARCHITECT

LS3P

STRUCTURAL ENGINEER

FIRM LICENSE #C-1051

STEWART

FP/PM/E ENGINEER

CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS

BNP

AIRCRAFT SUPPORT SYSTEMS

DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT

HARTRANFT

SINGAGE & WAYFINDING

TAKEFORM

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

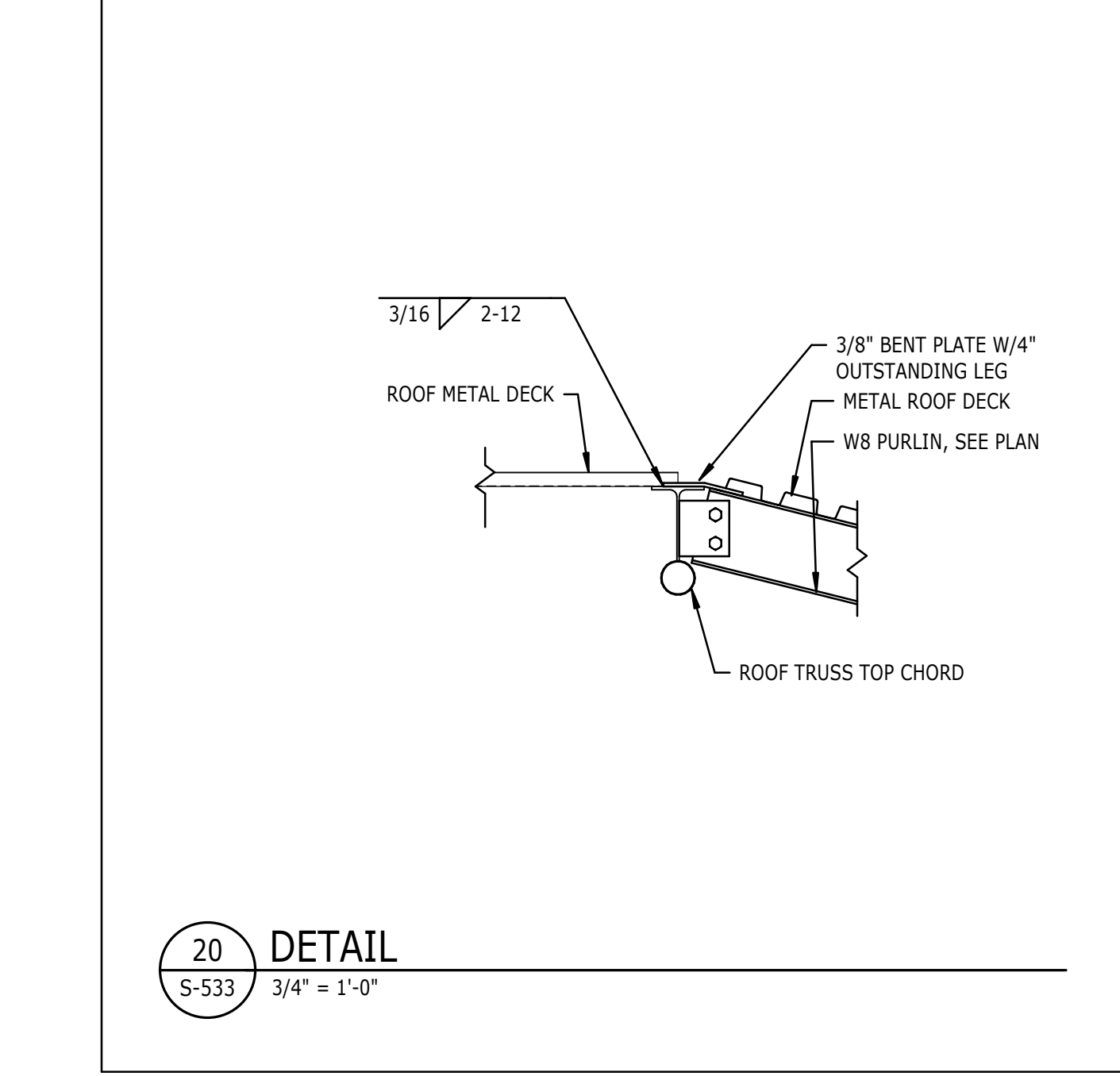
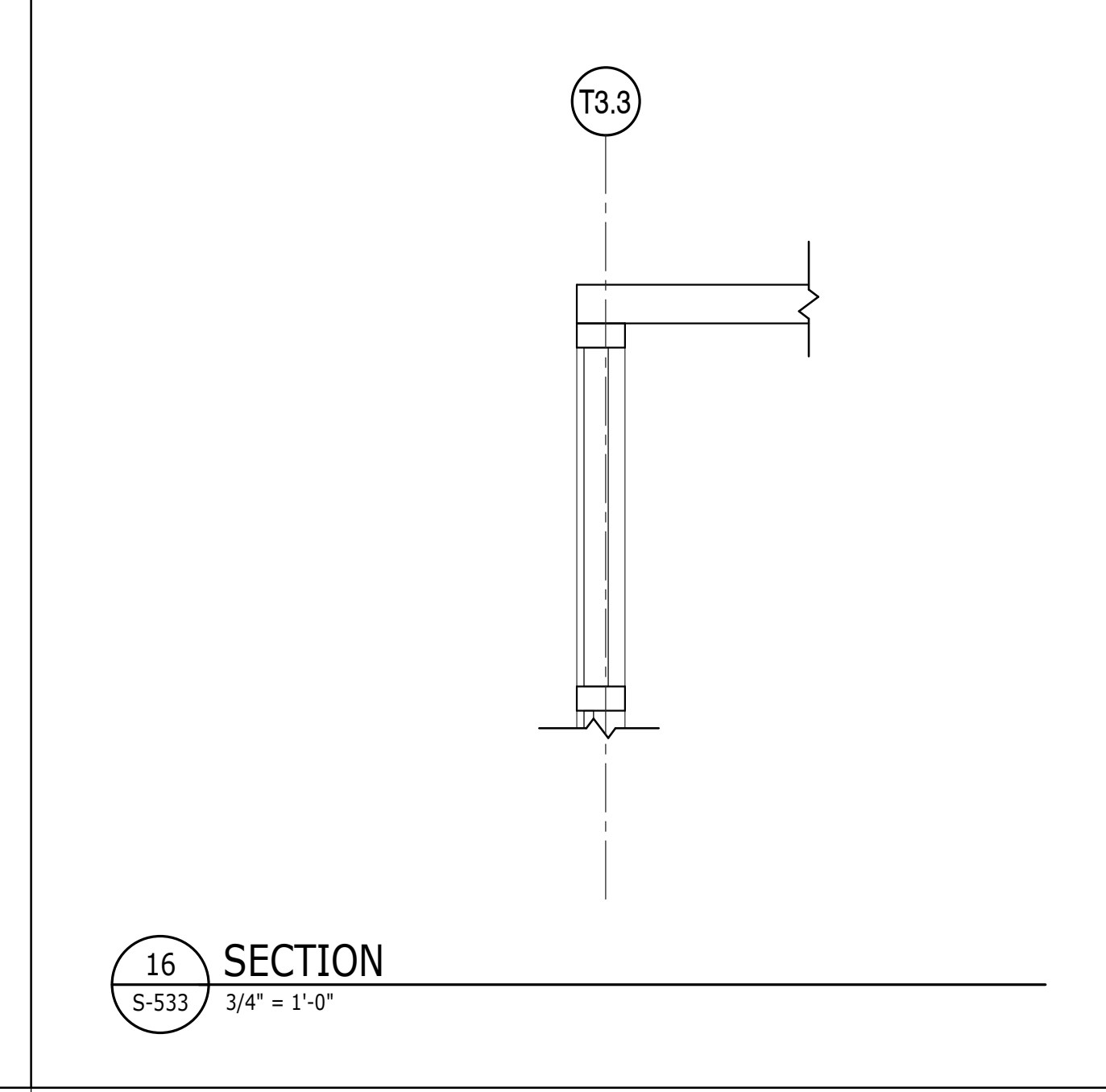
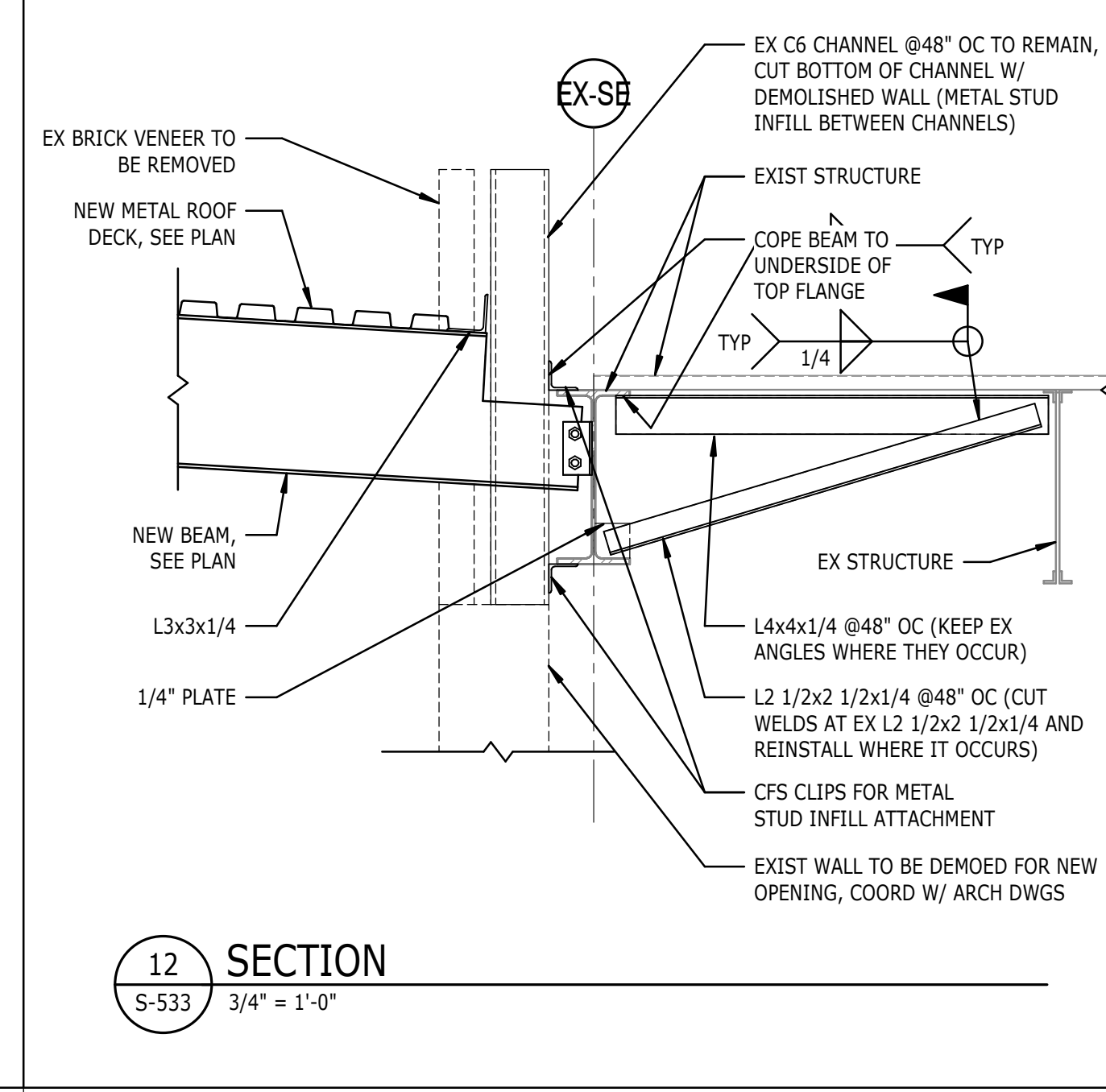
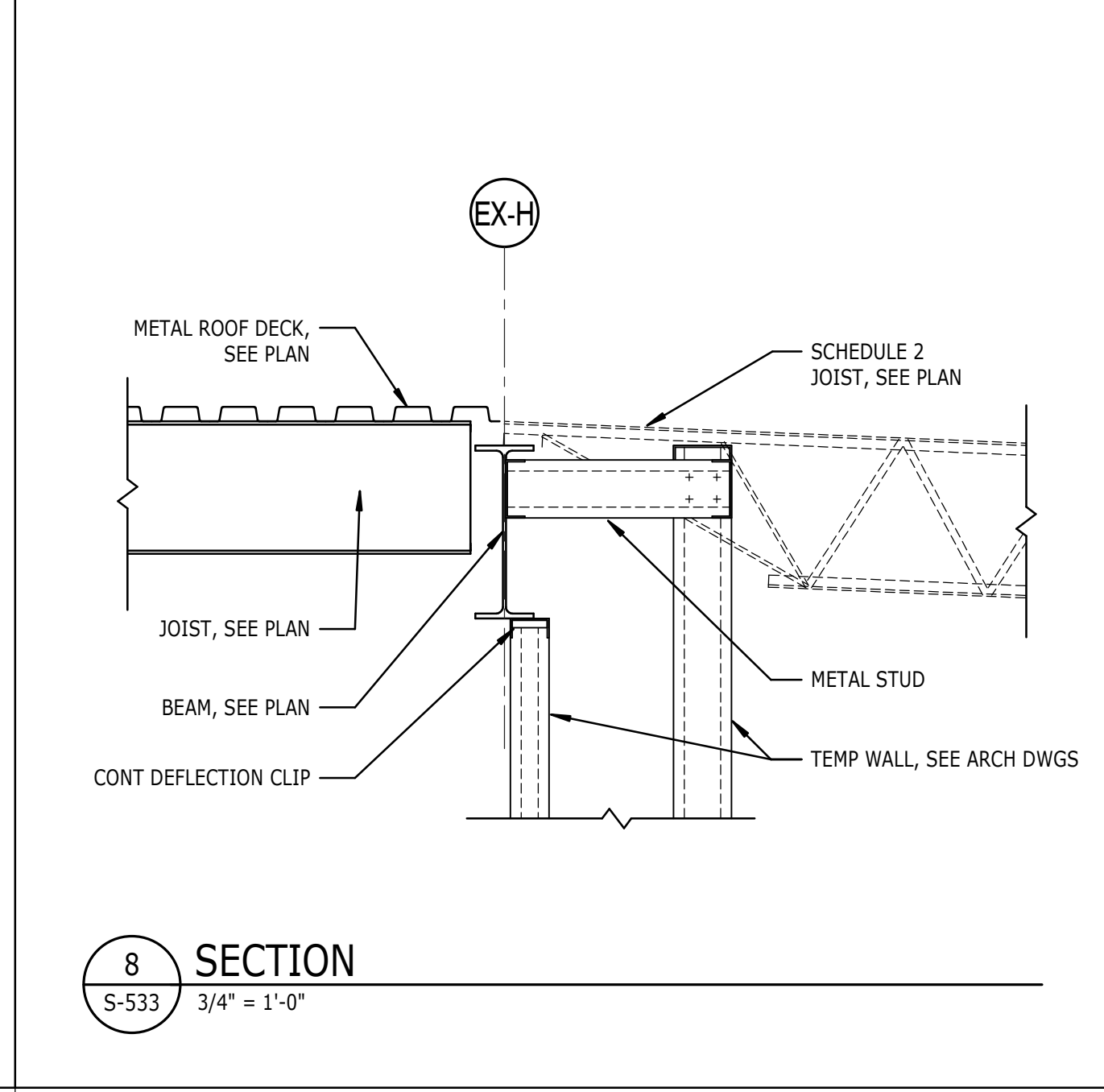
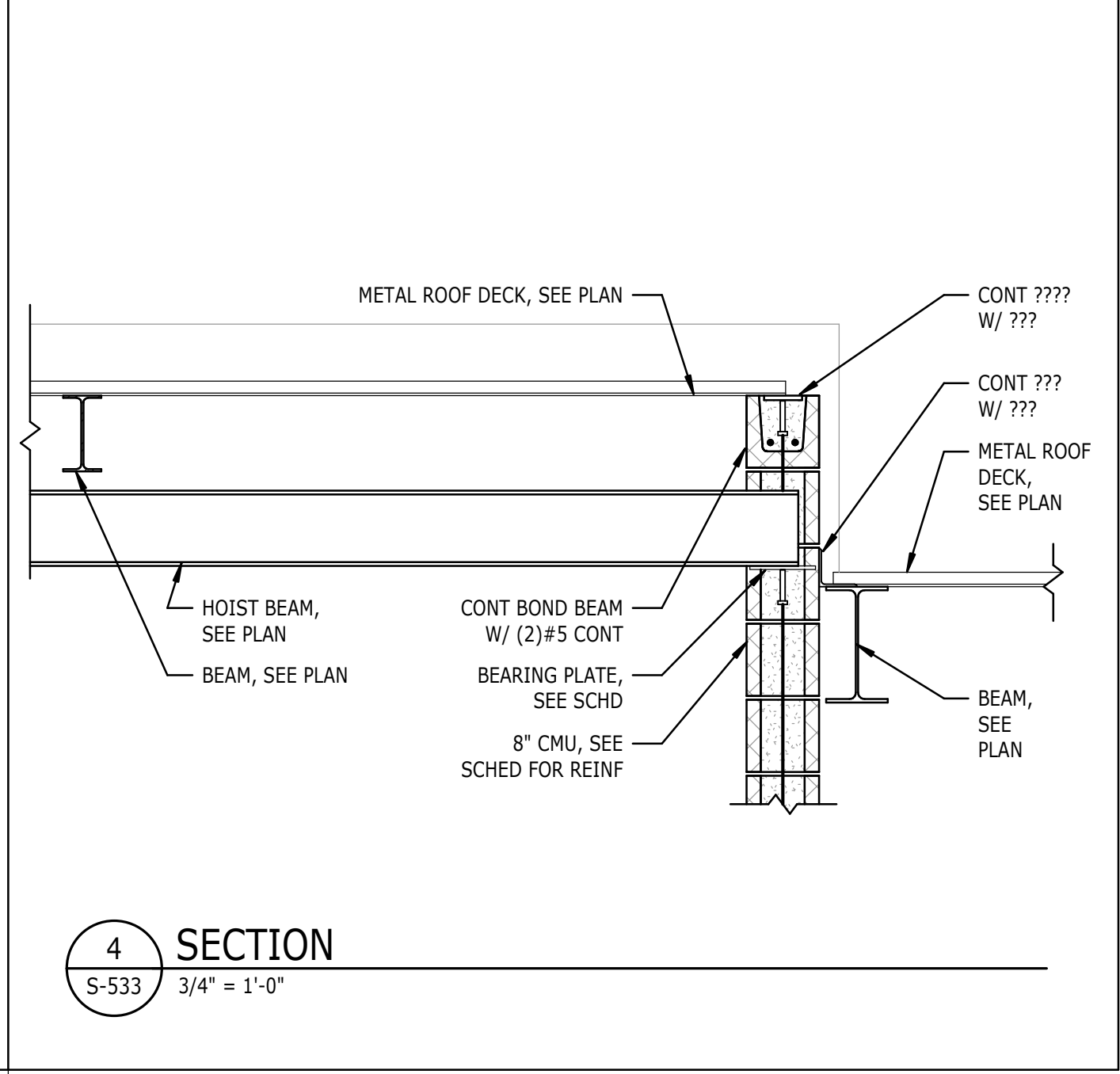
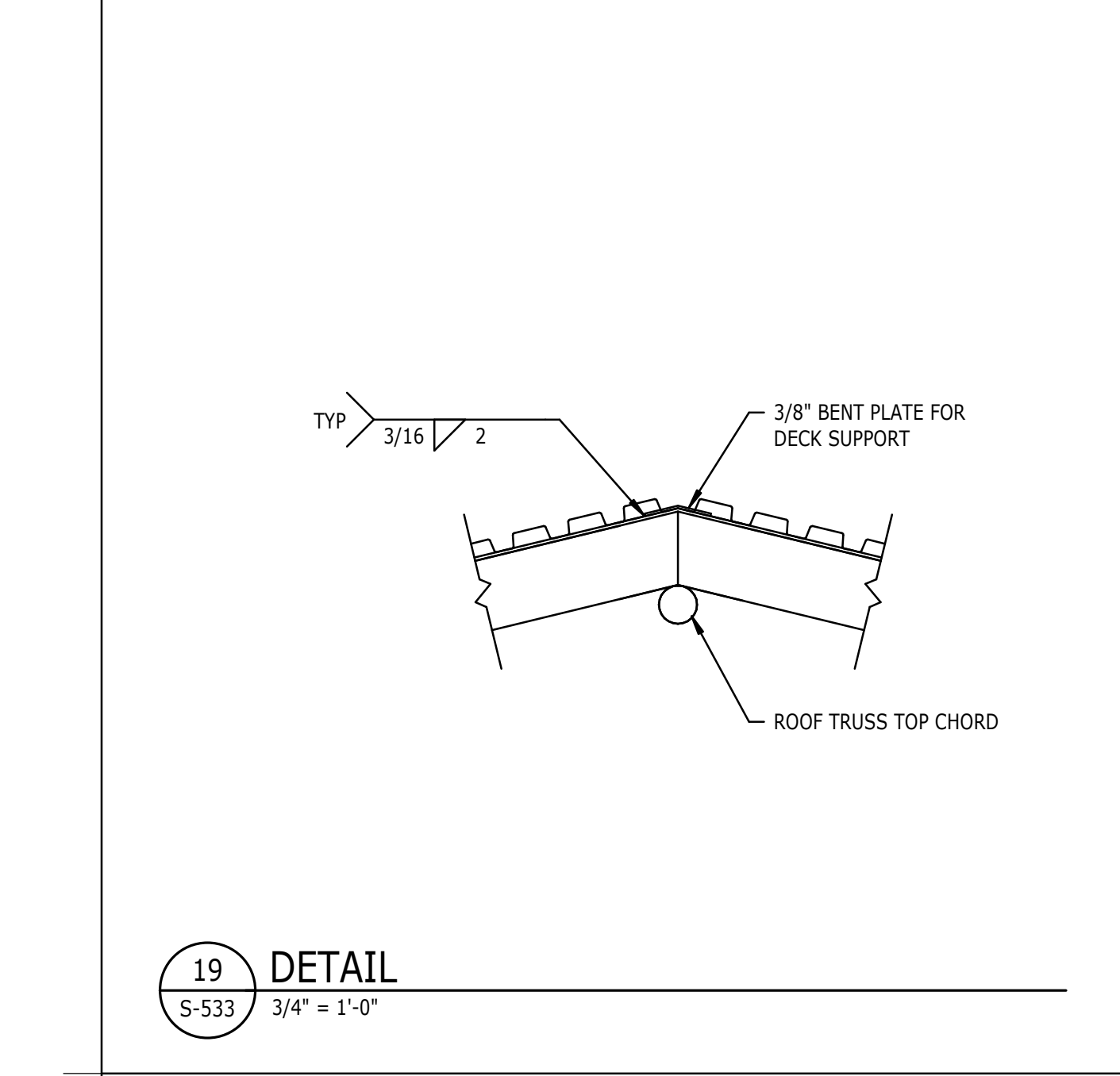
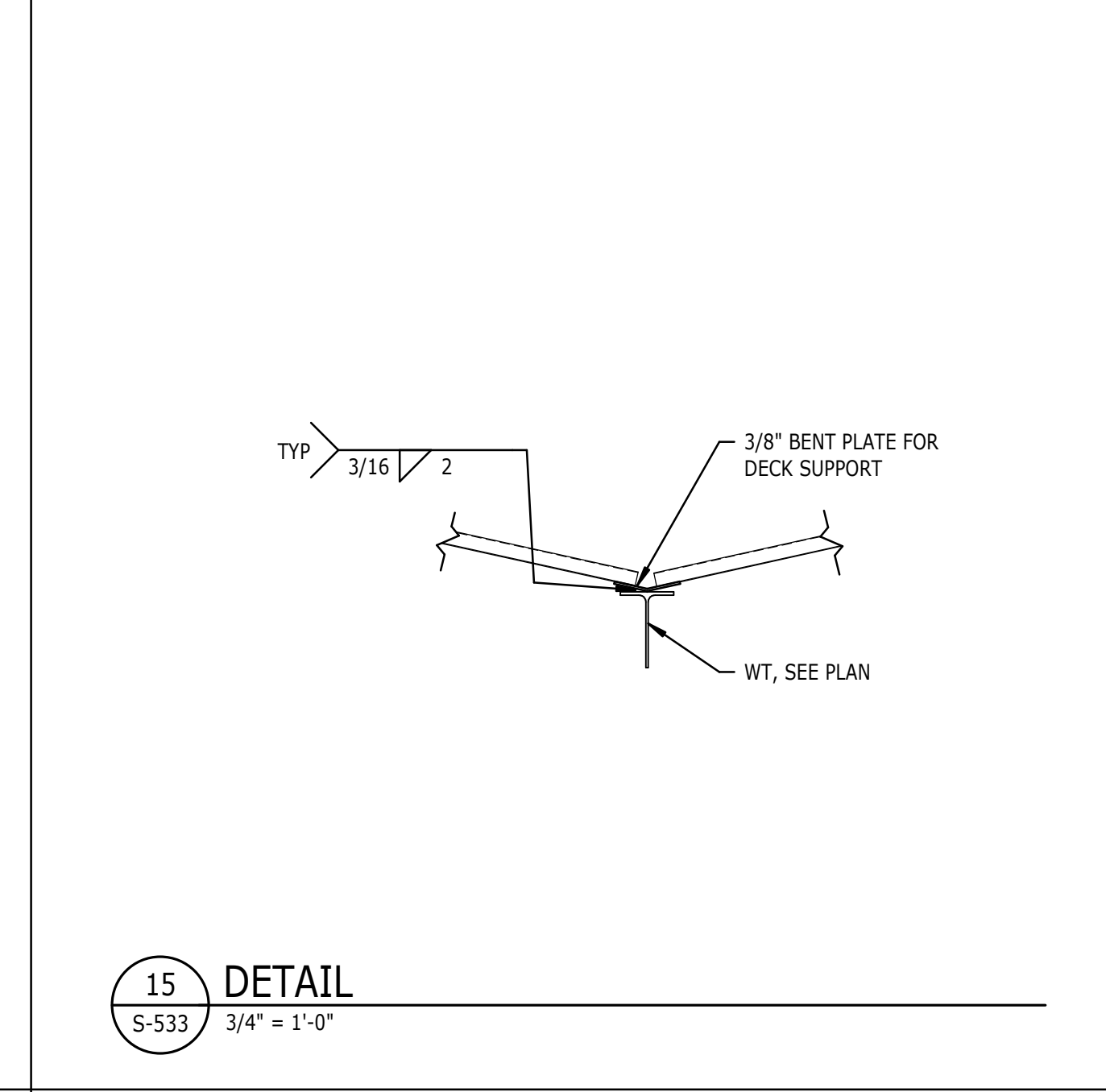
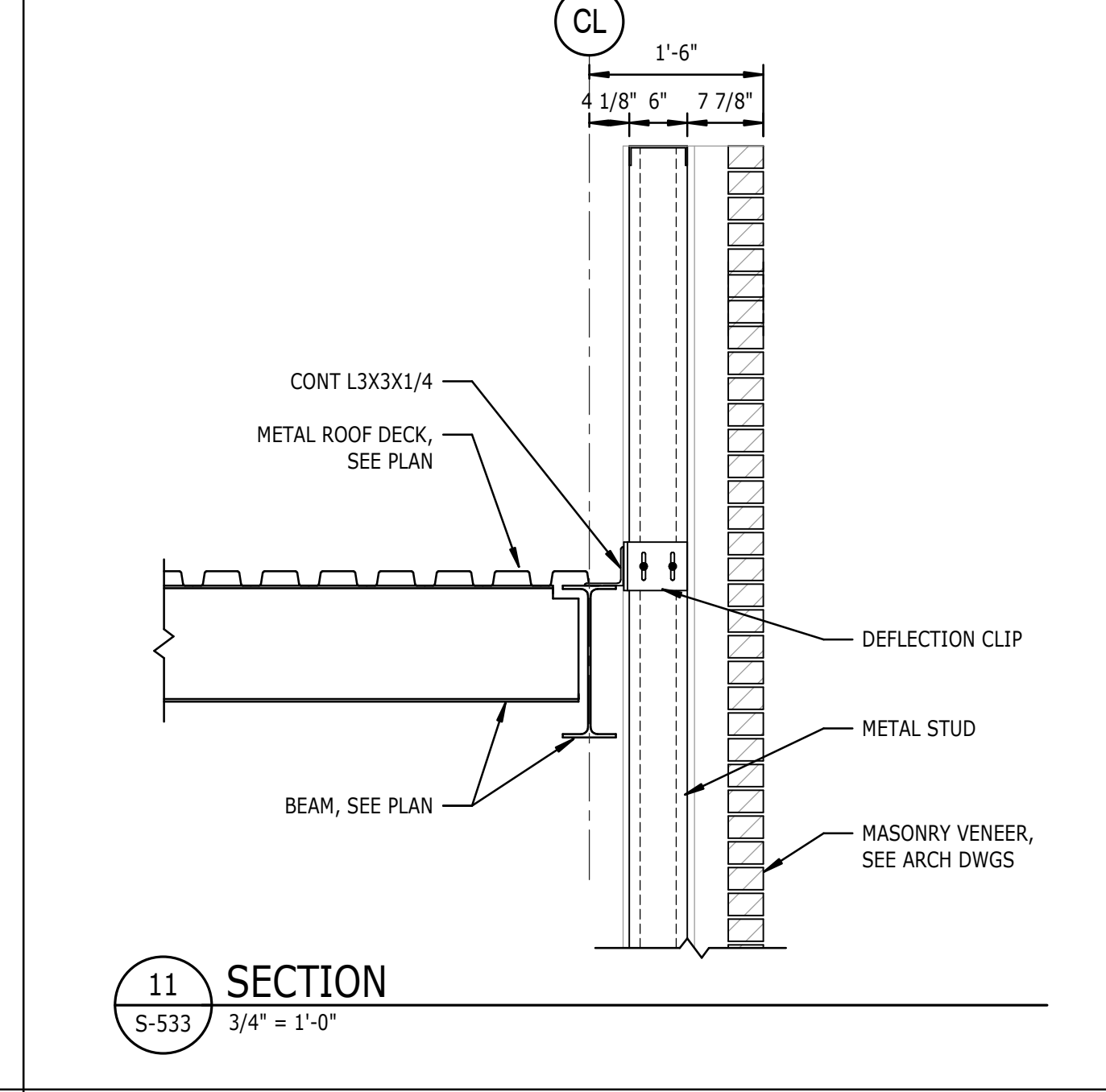
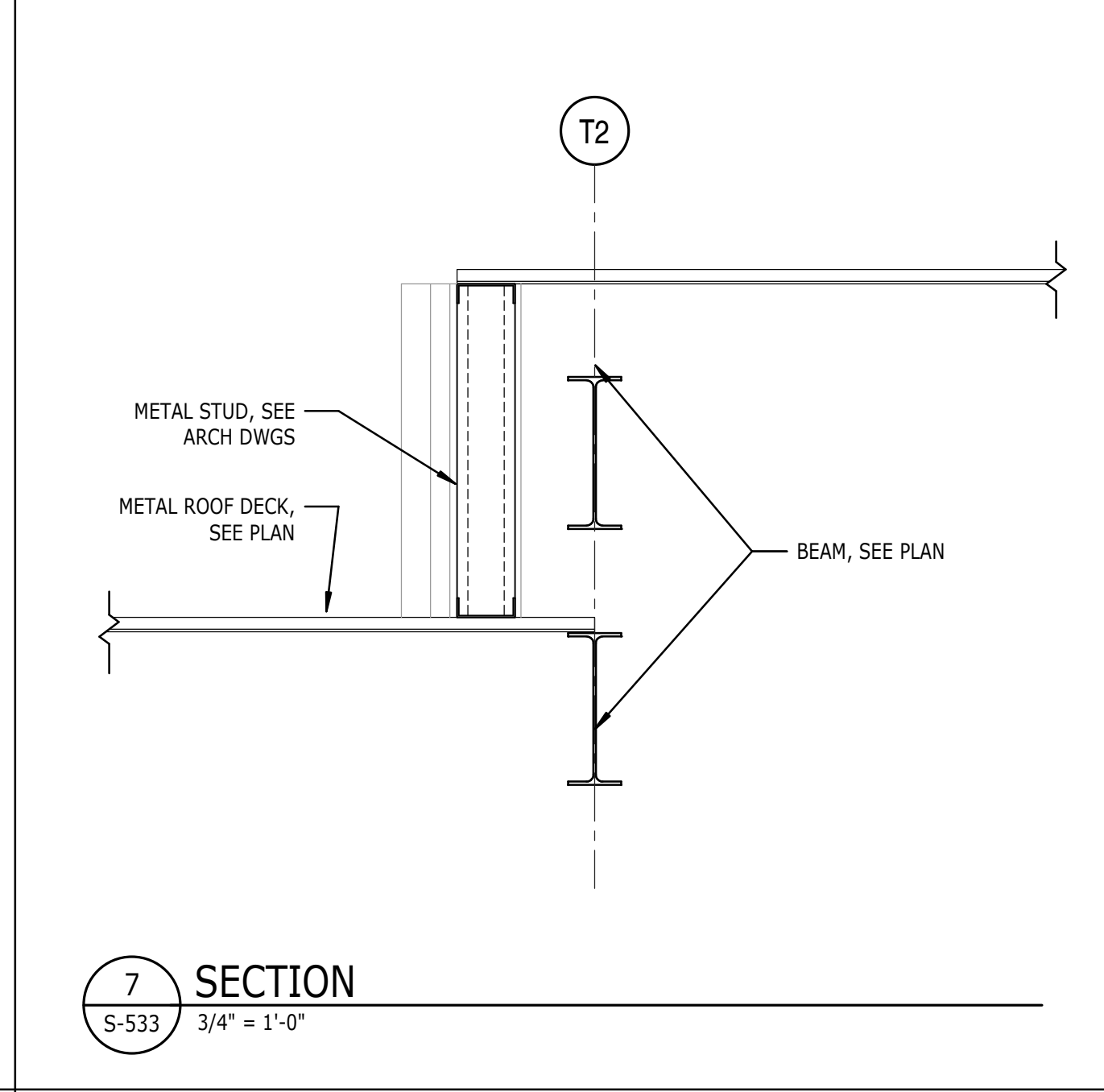
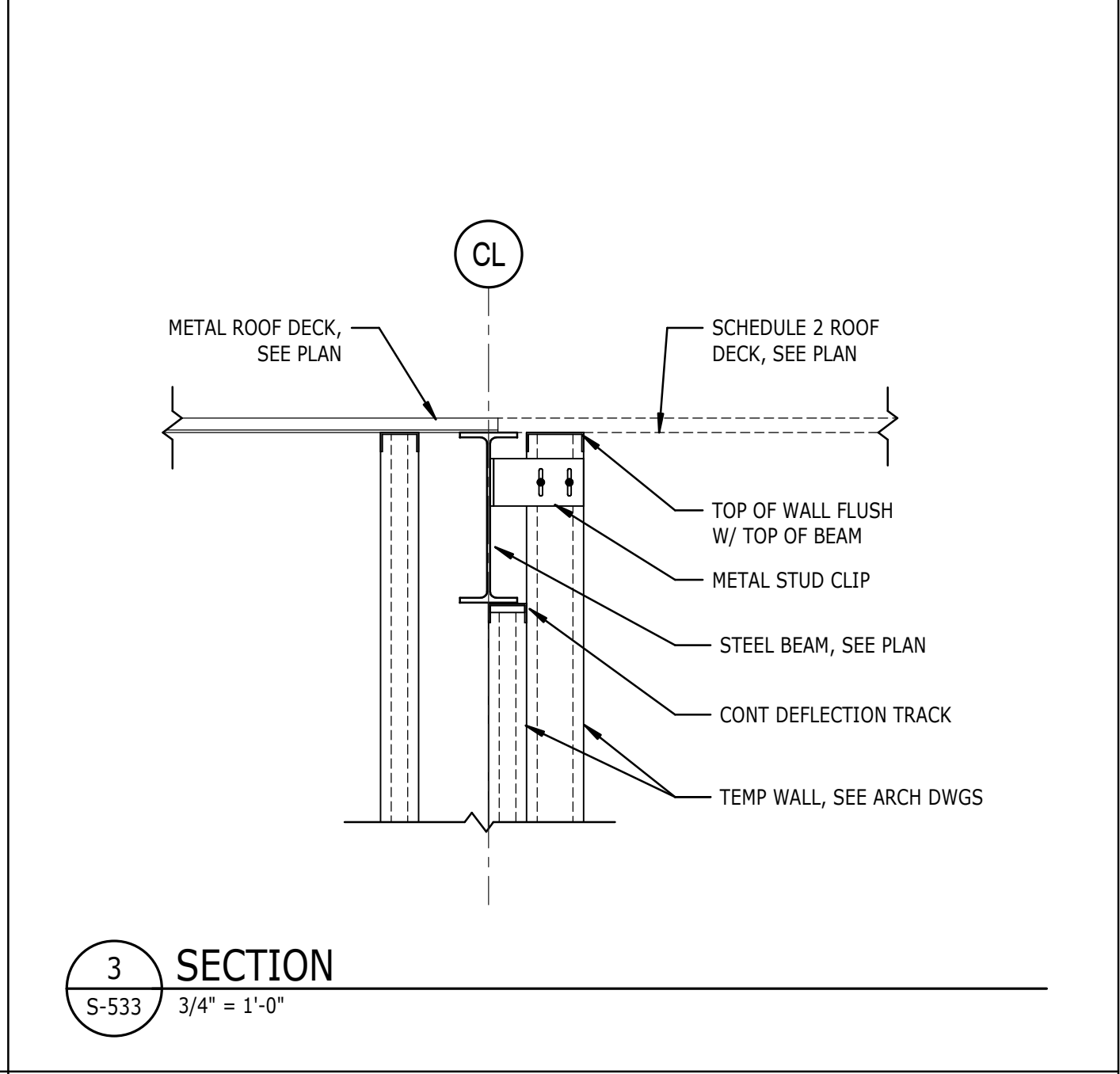
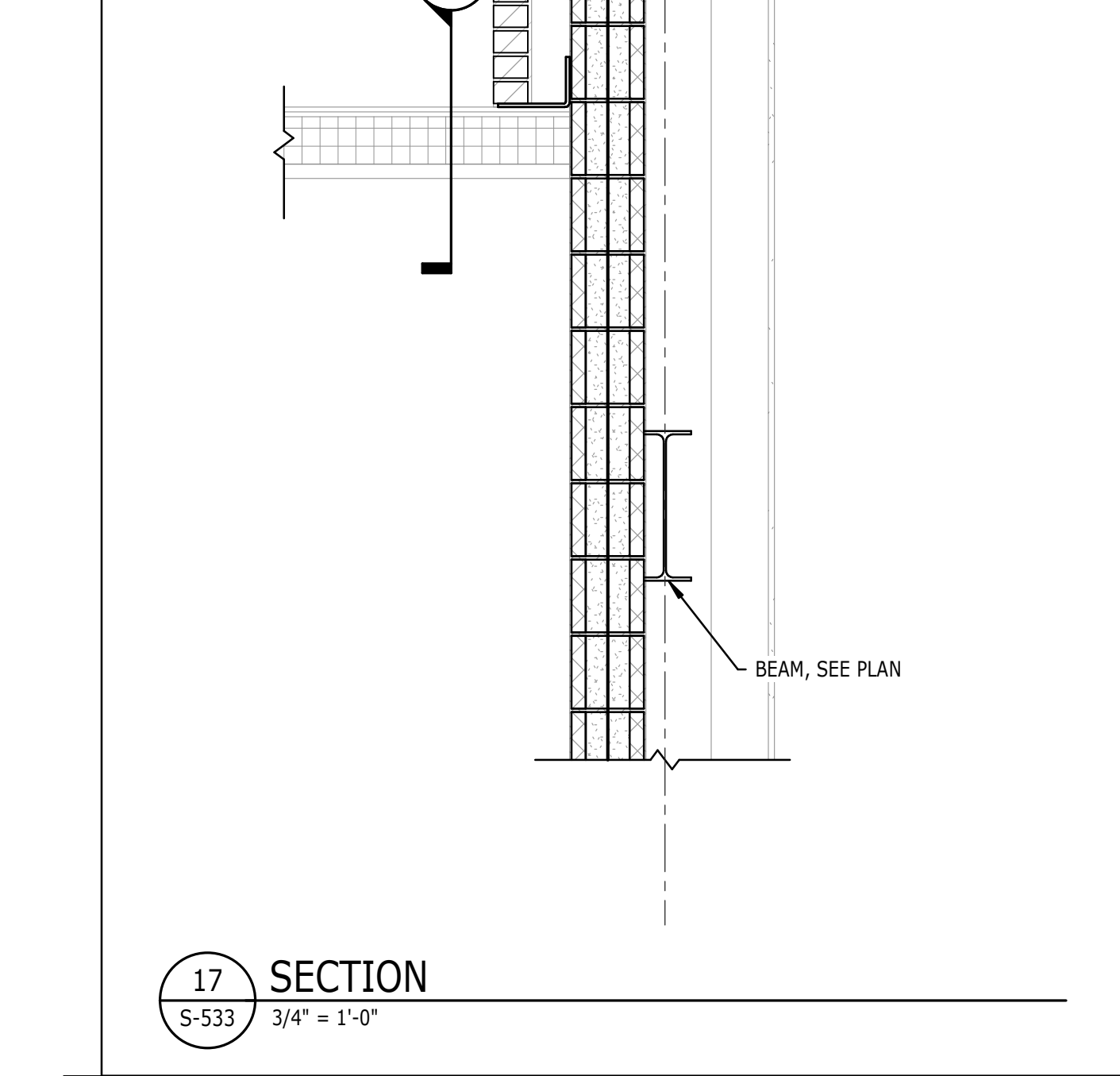
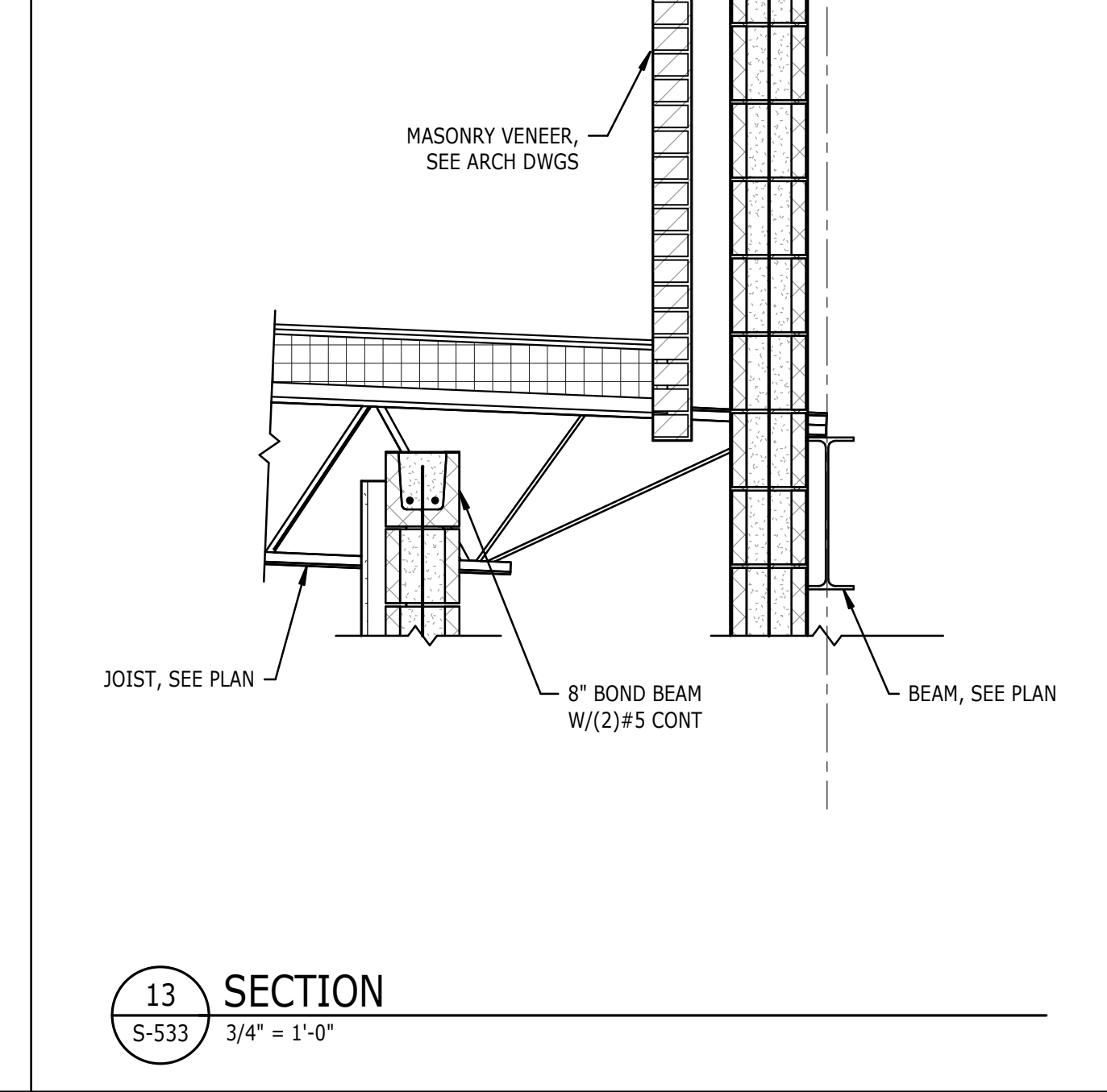
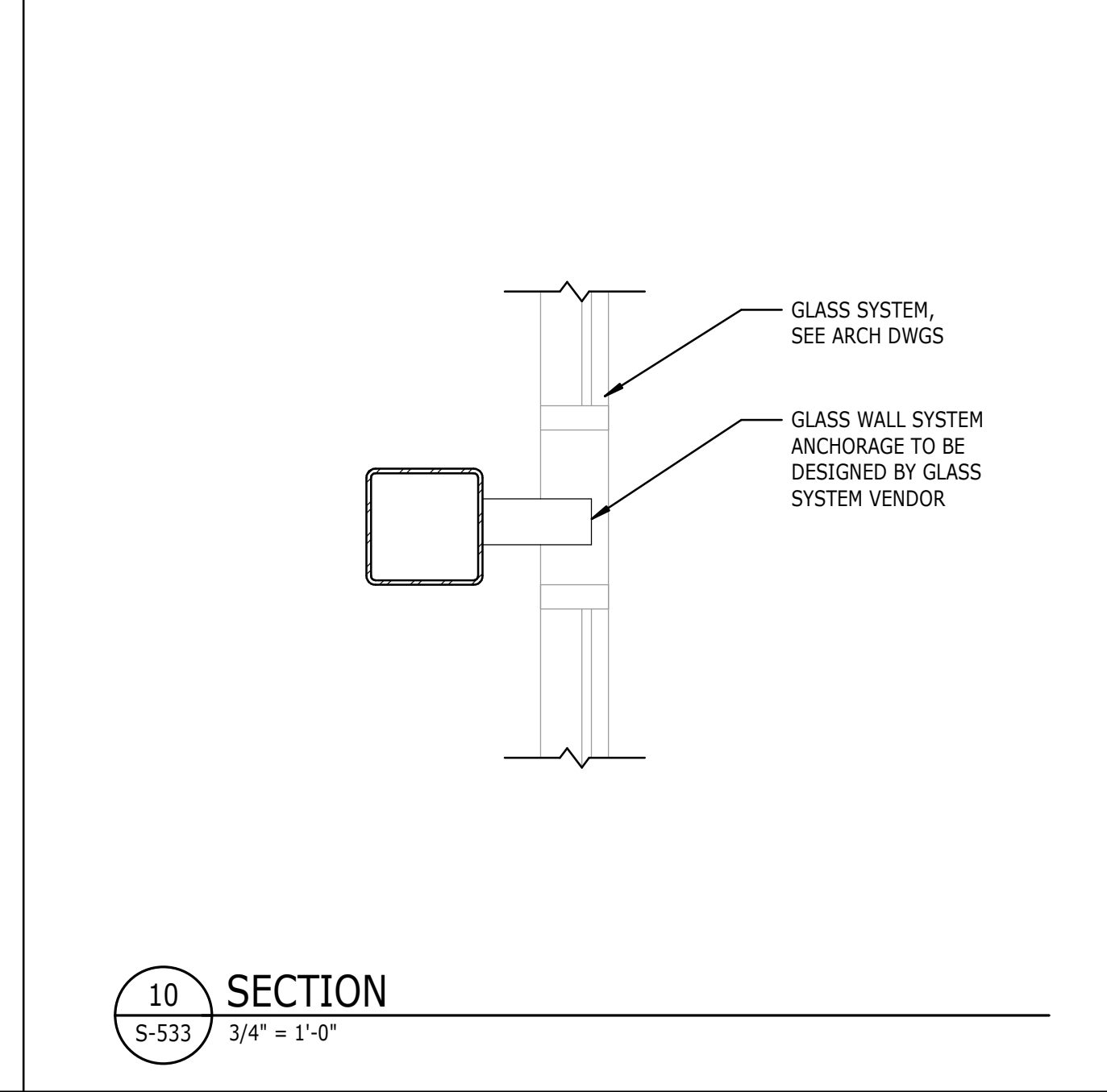
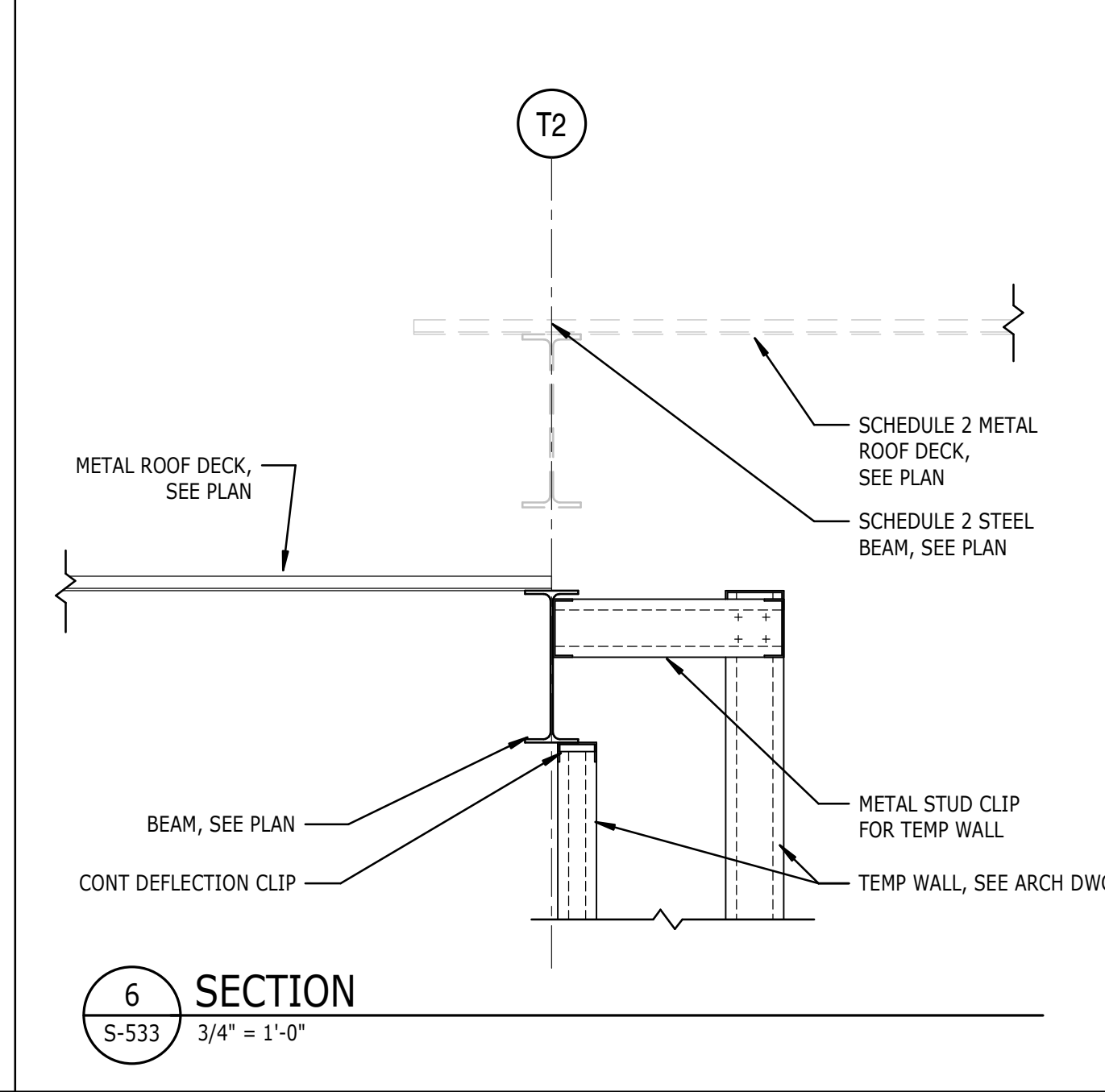
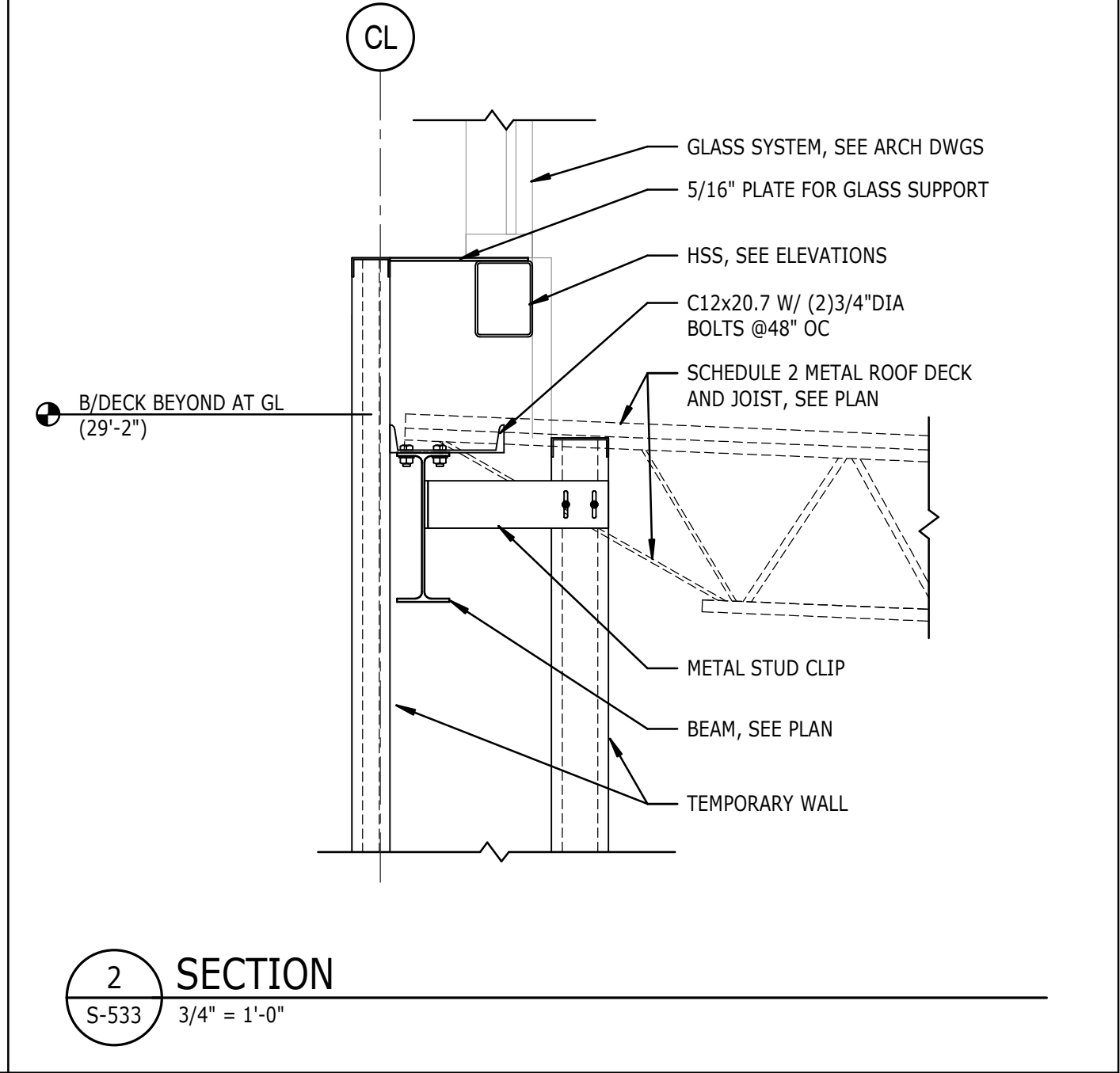
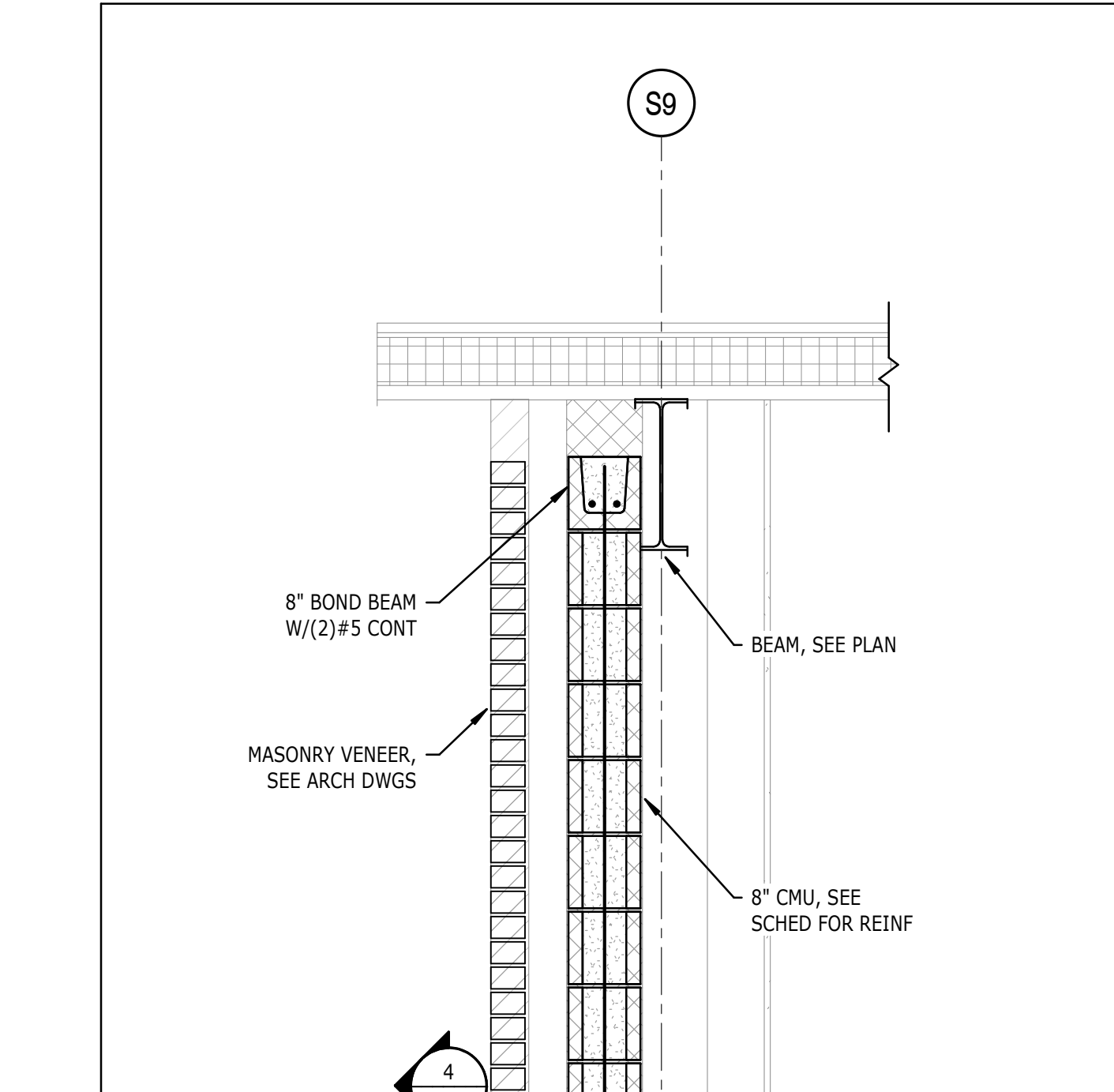
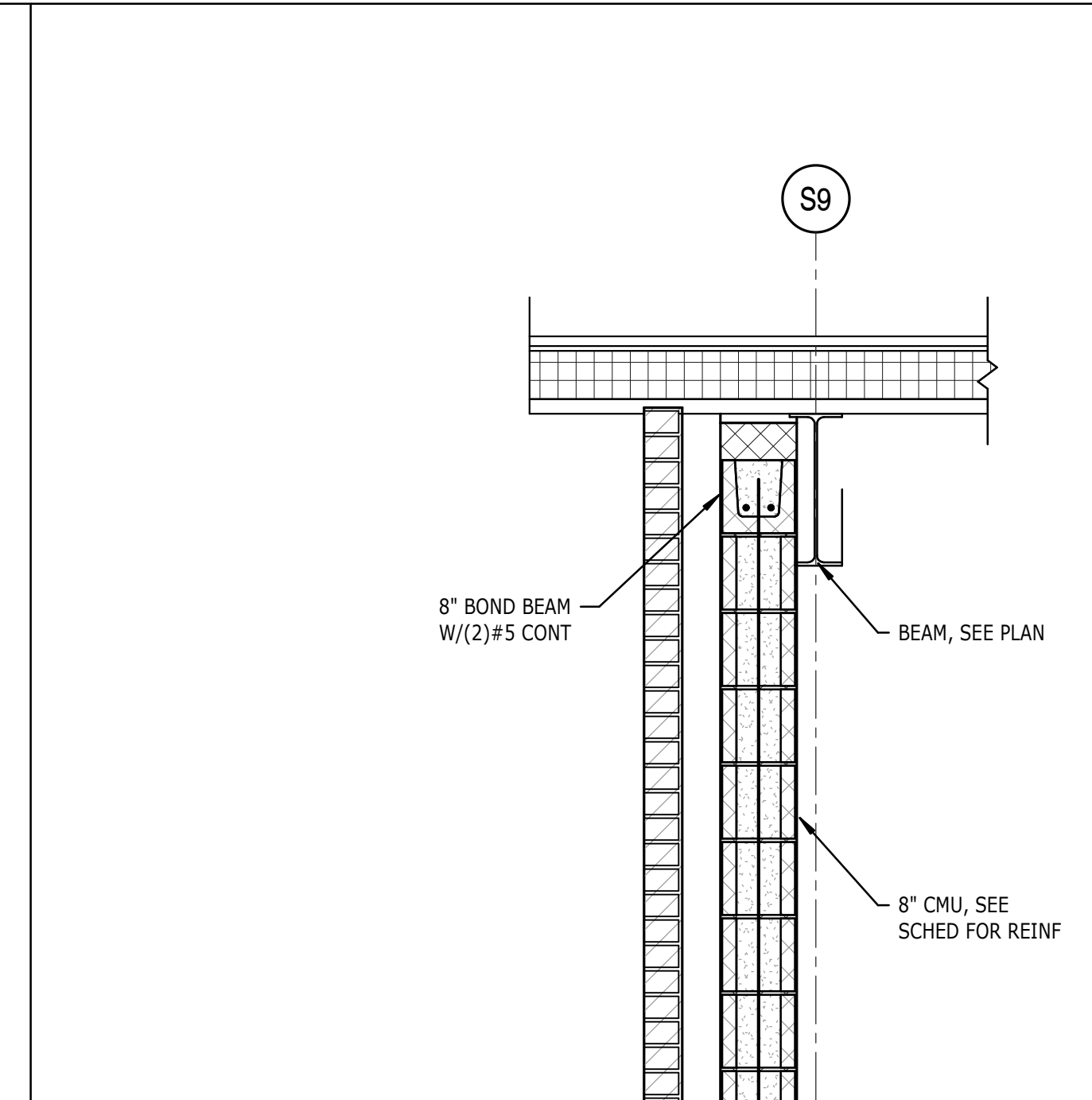
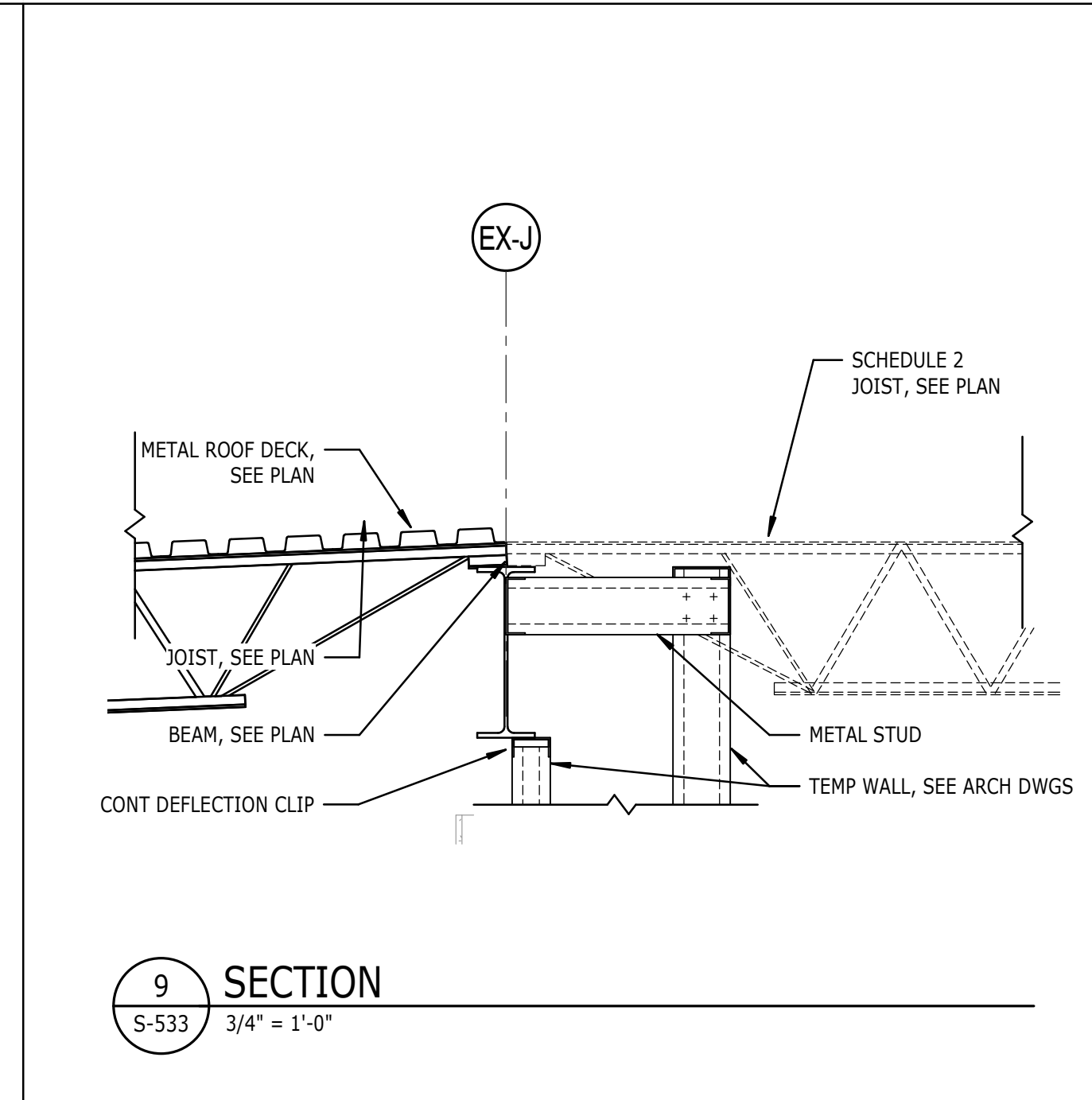
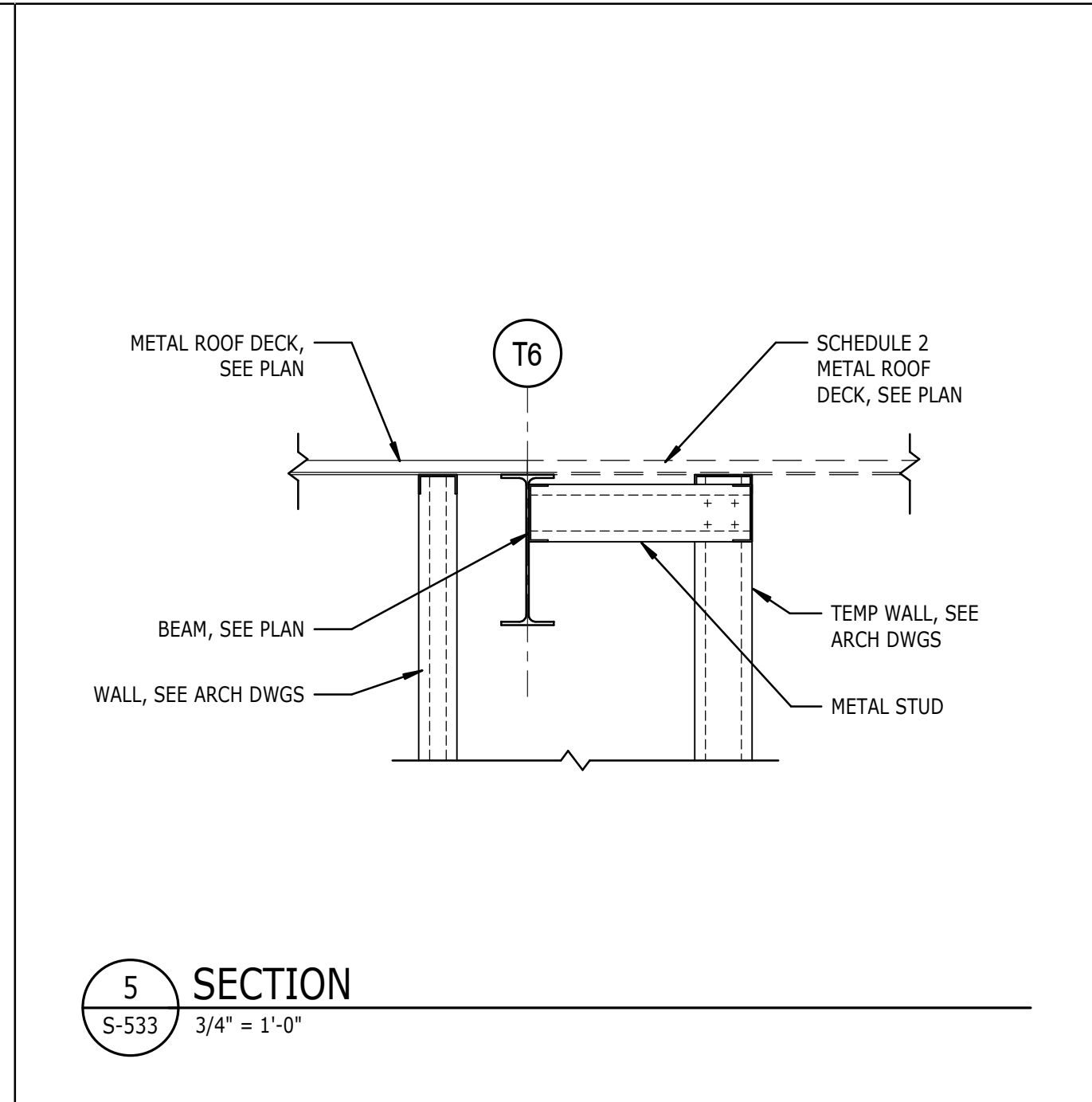
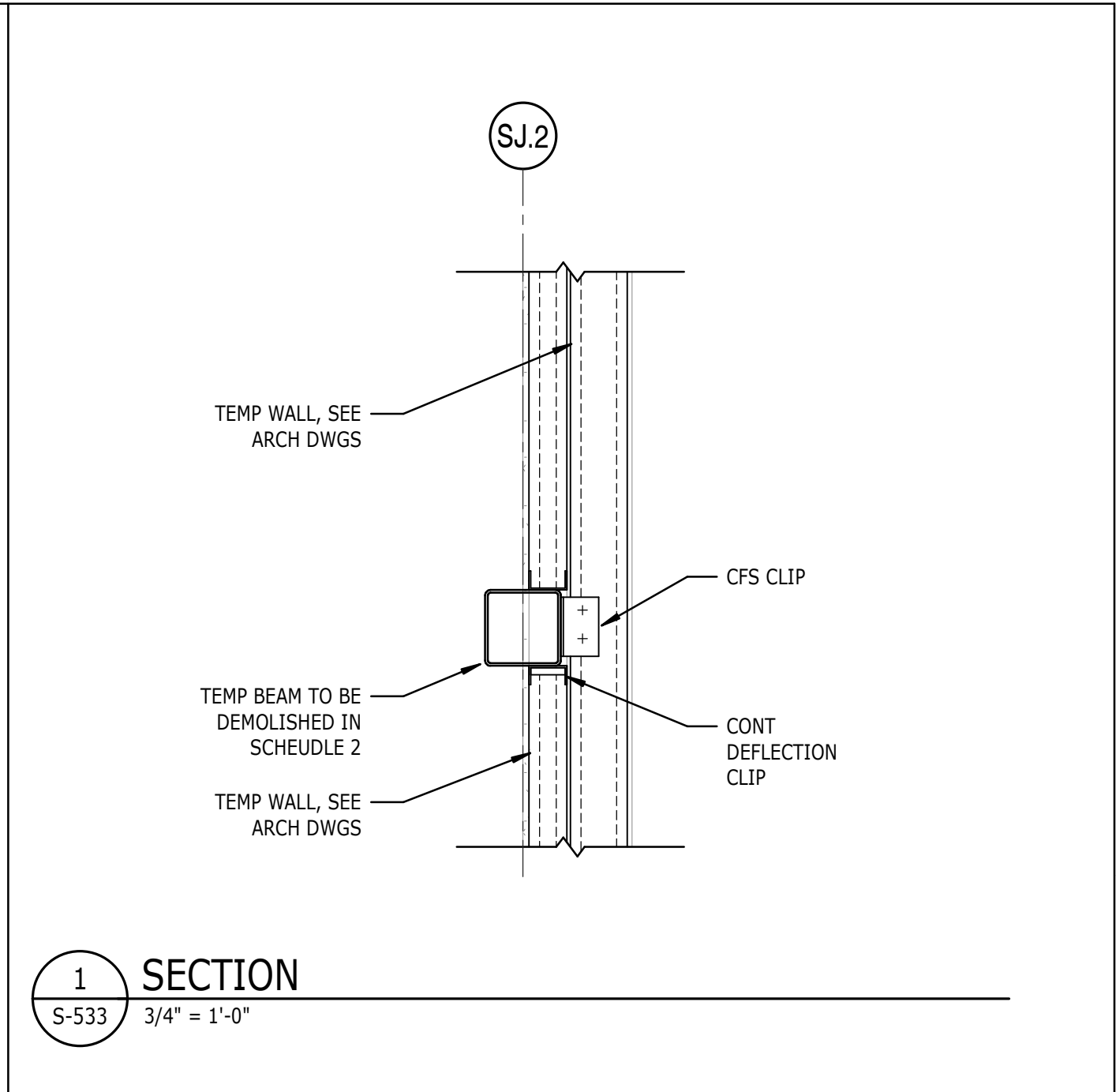
REVISIONS

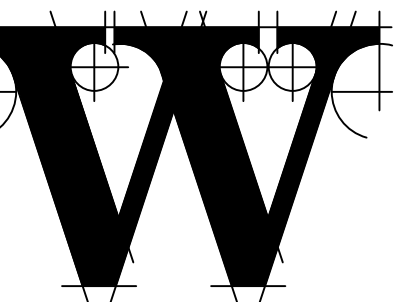
DATE 06/28/2019
PROJECT NUMBER 9202-000
SHEET TITLE

STRUCTURAL ROOF SECTIONS

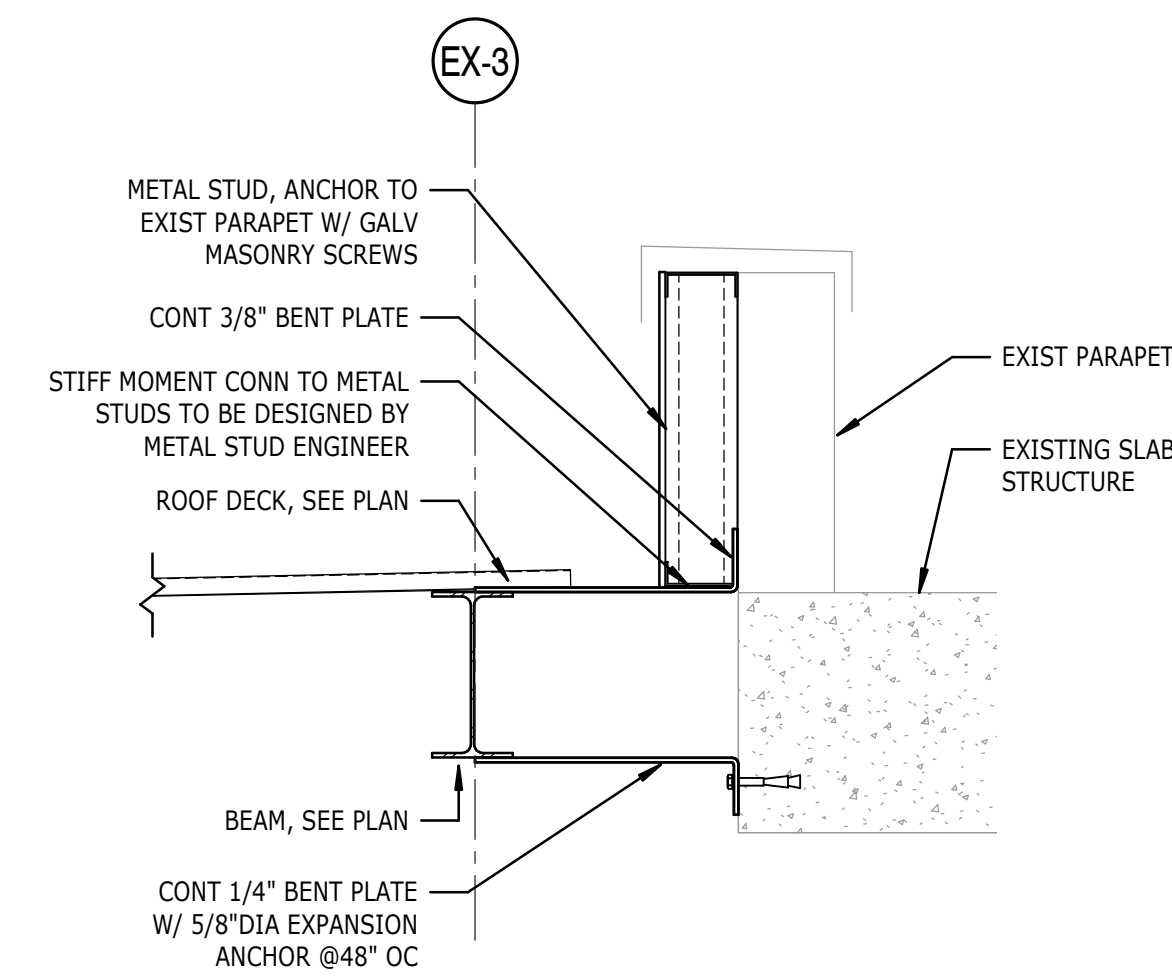
SHEET NUMBER

S-533

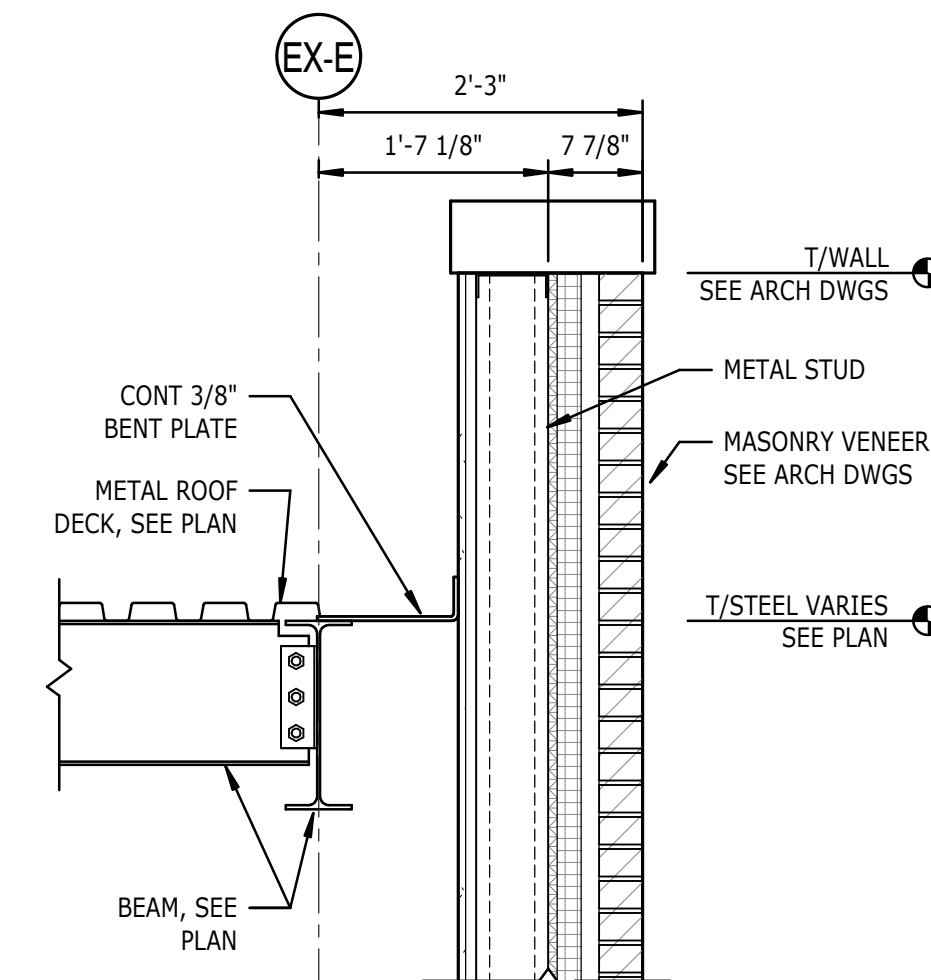




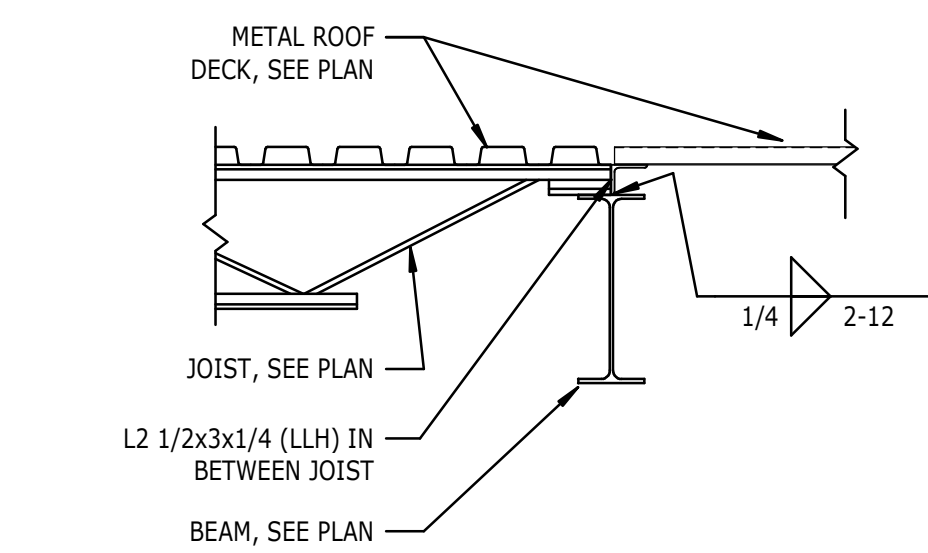
13 SECTION
S-534 3/4" = 1'-0"



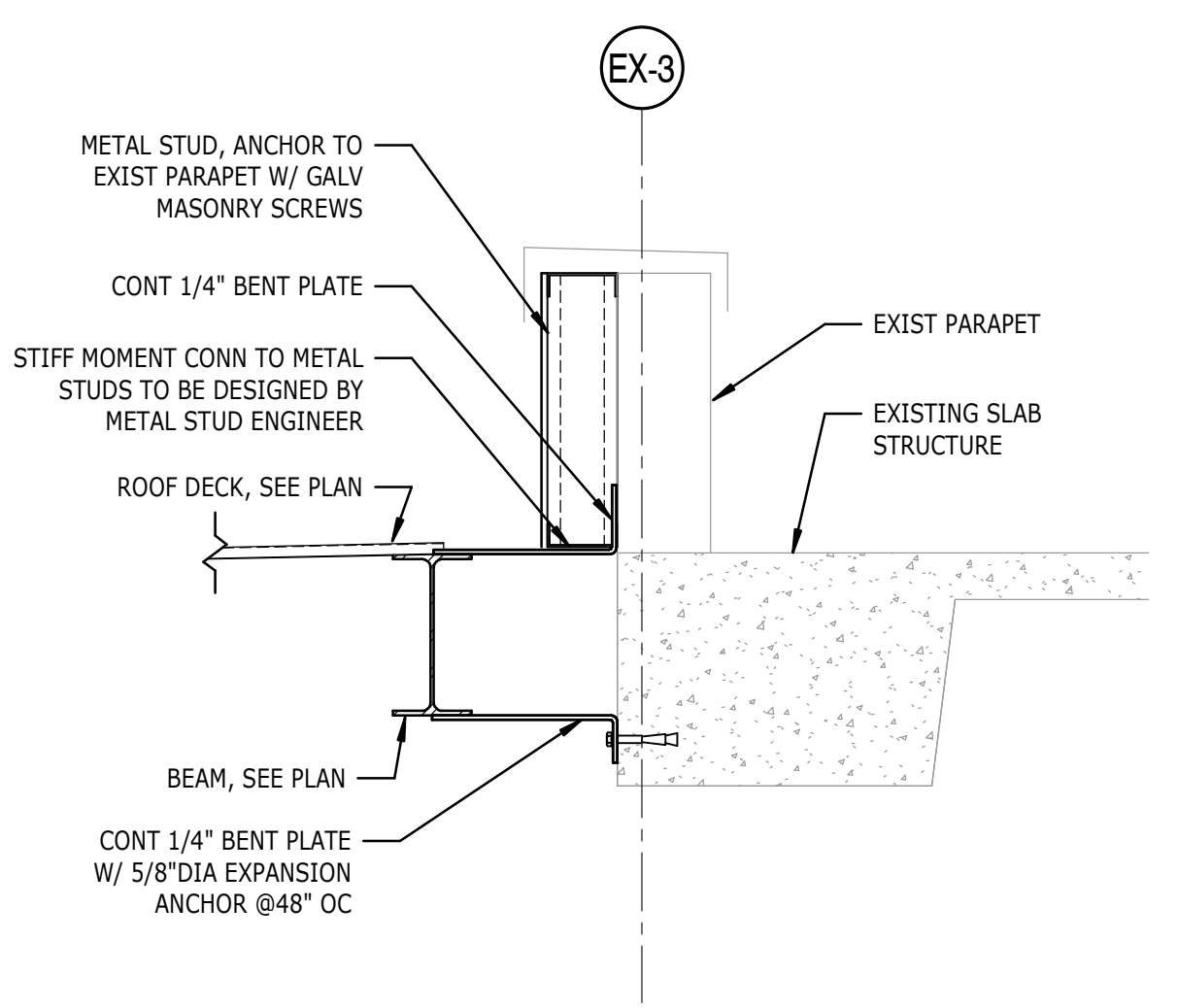
9 SECTION
S-534 3/4" = 1'-0"



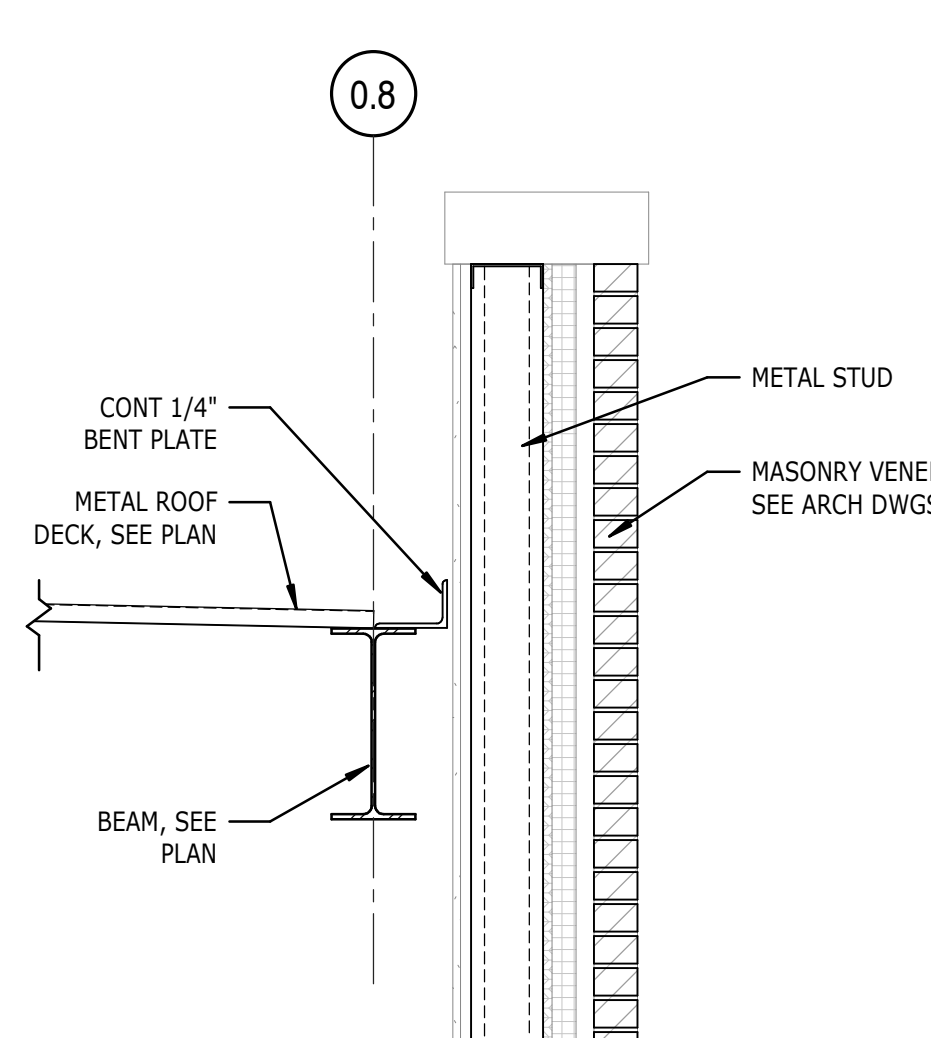
5 SECTION
S-534 3/4" = 1'-0"



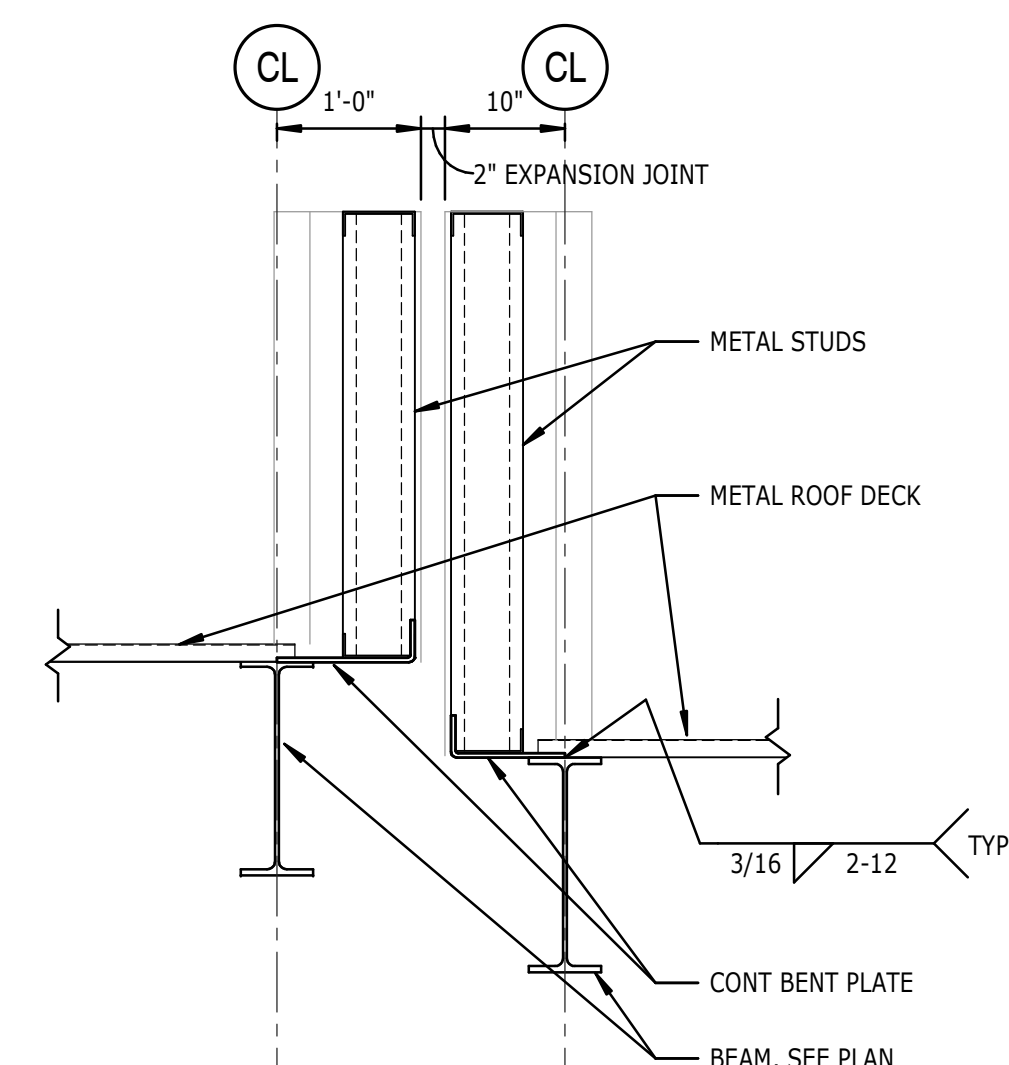
14 SECTION
S-534 3/4" = 1'-0"



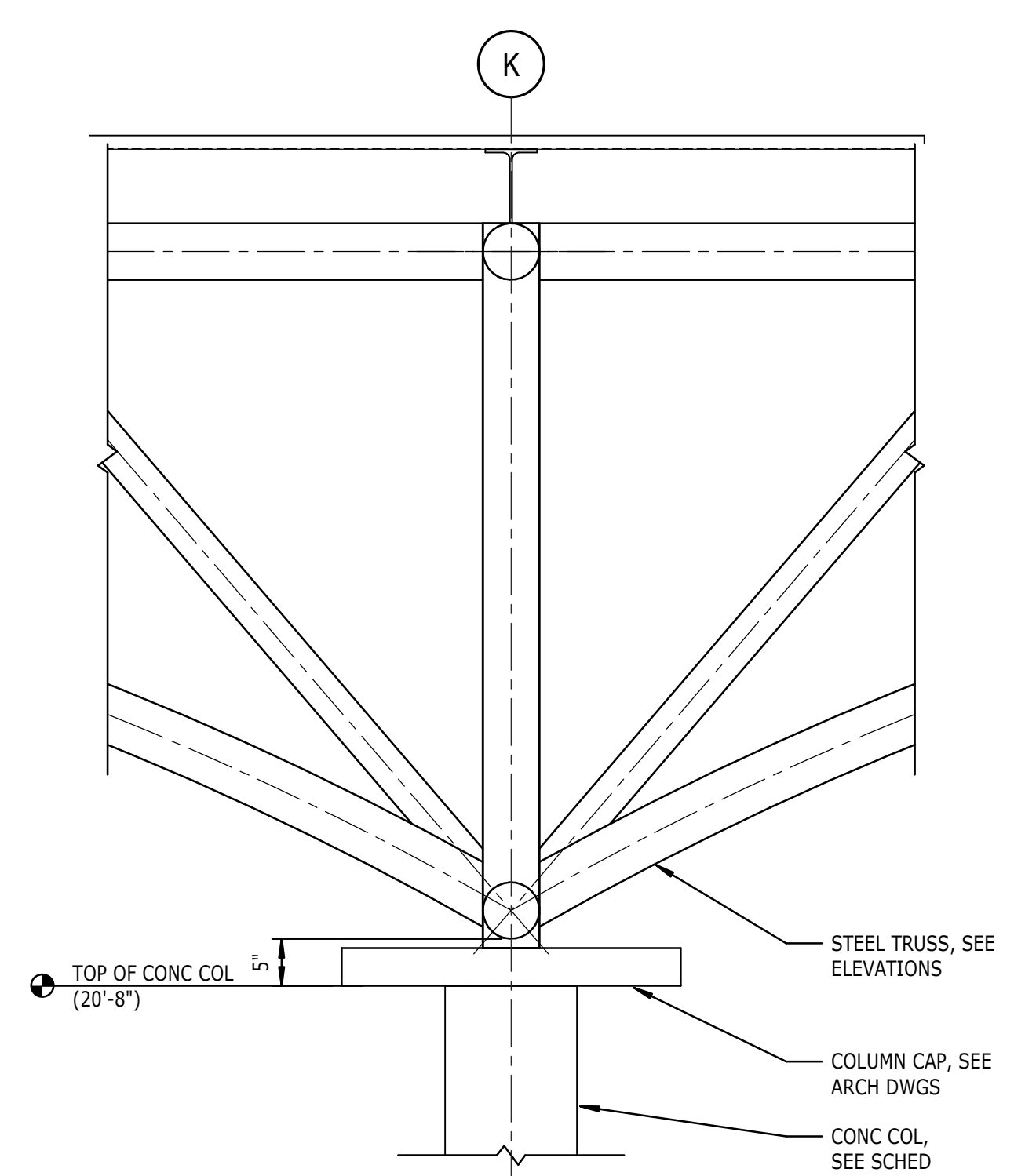
10 SECTION
S-534 3/4" = 1'-0"



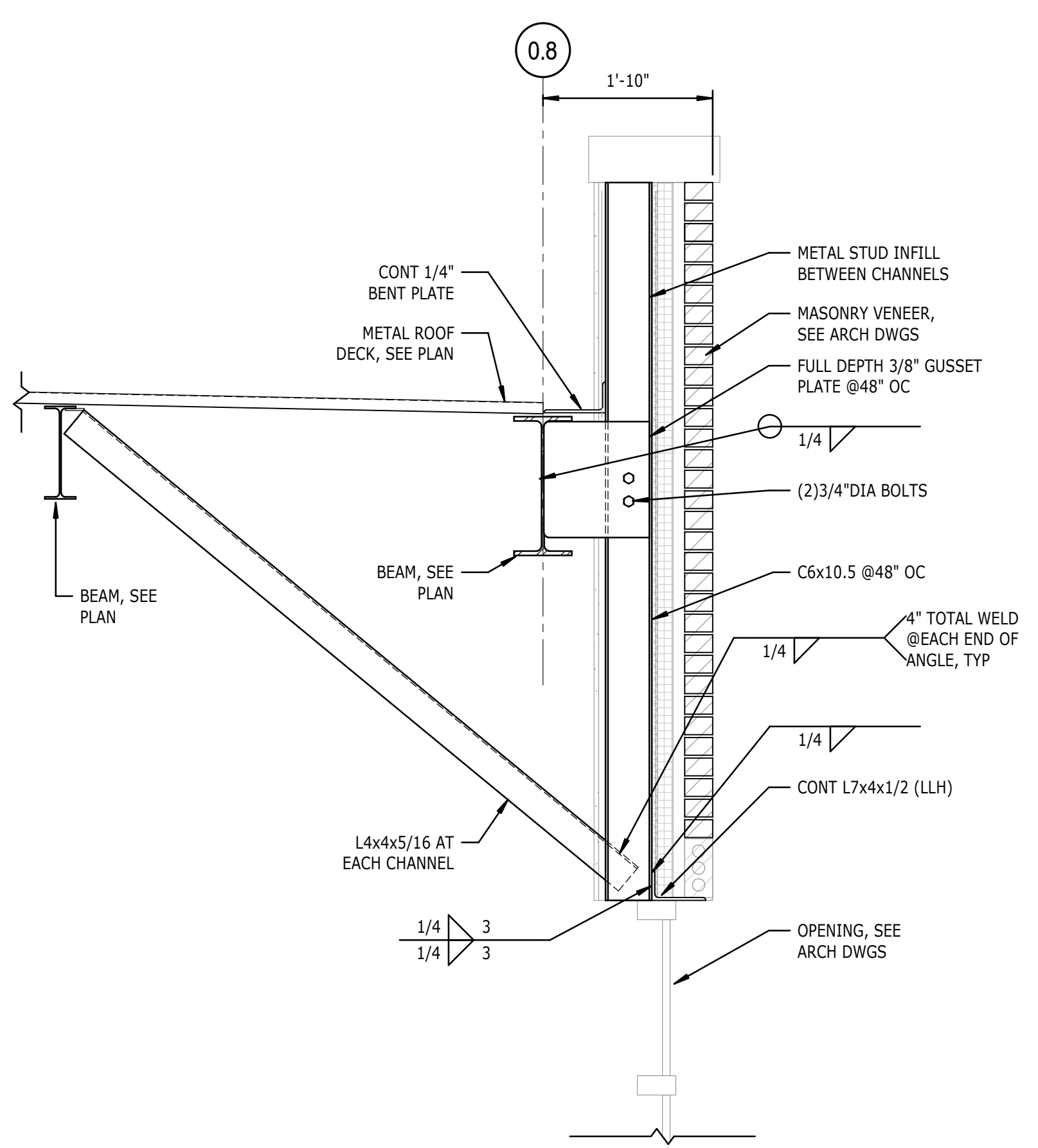
6 SECTION
S-534 3/4" = 1'-0"



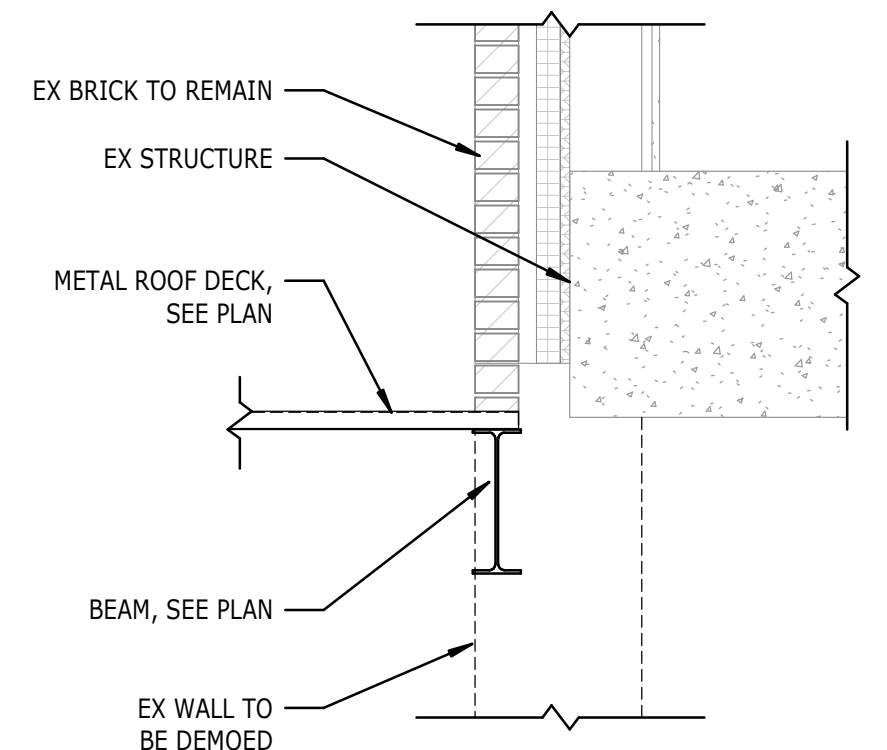
1 Section 4
S-534 3/4" = 1'-0"



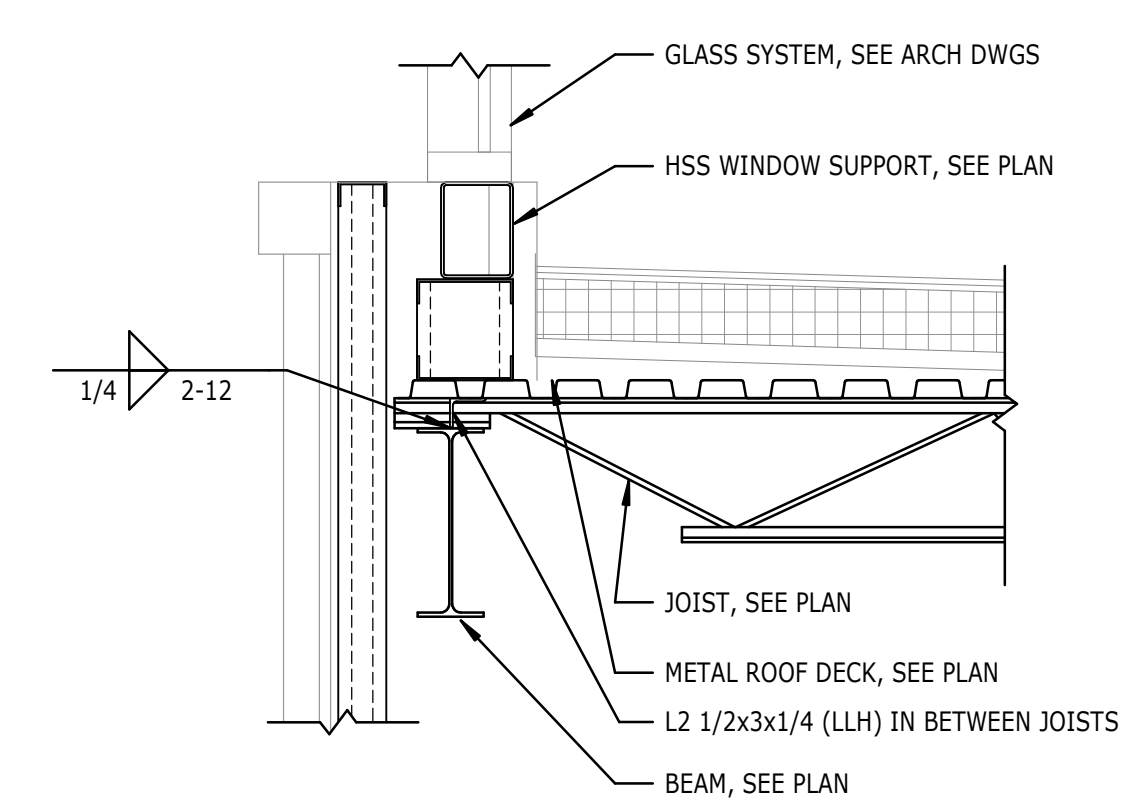
12 SECTION
S-534 3/4" = 1'-0"



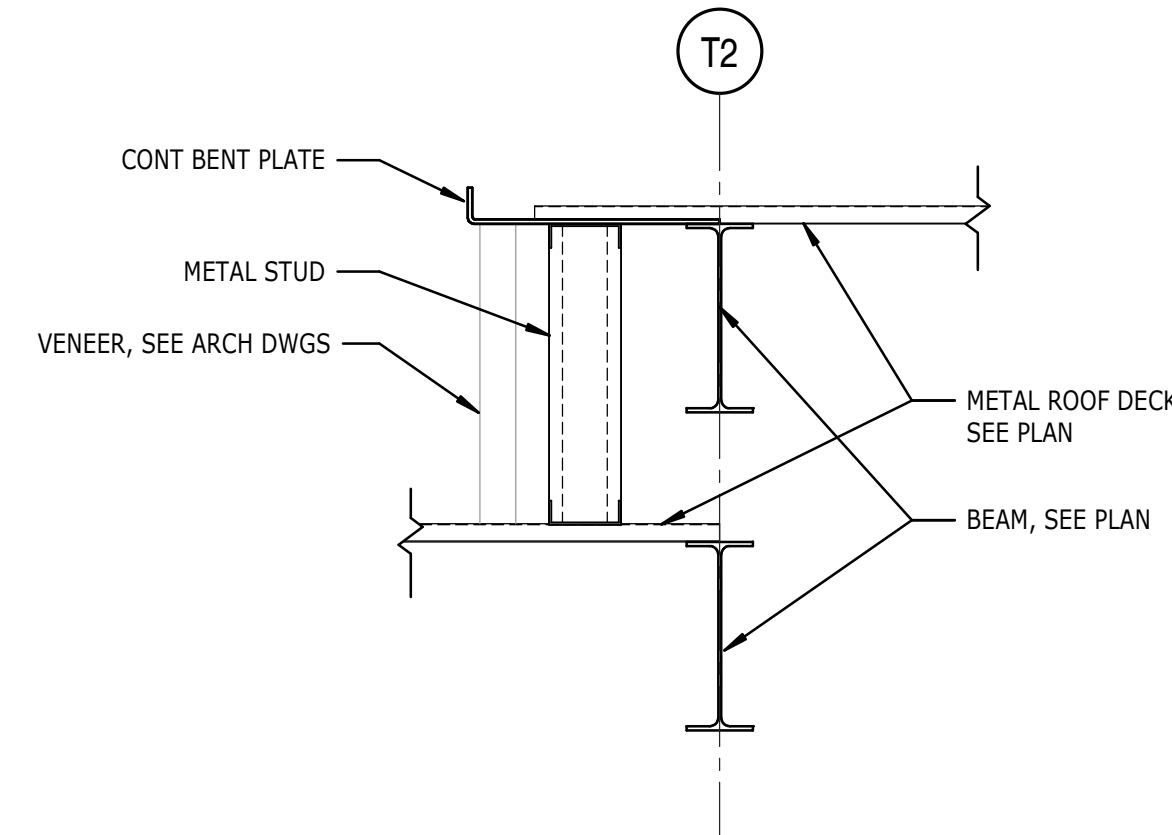
7 SECTION
S-534 3/4" = 1'-0"



2 SECTION
S-534 3/4" = 1'-0"



8 SECTION
S-534 3/4" = 1'-0"



4 S534 /
S-534 3/4" = 1'-0"

