

STRUCTURAL SPECIFICATIONS CONT.

CAST IN PLACE CONCRETE

- ALL CAST-IN-PLACE CONCRETE WORK INCLUDES REINFORCING STEEL AND RELATED WORK SHOWN INCLUDING FORMWORK, SETTING ANCHOR BOLTS, PLATES, FRAMES, DOWELS FOR MASONRY OR OTHER ITEMS EMBEDDED IN CONCRETE.
- APPLICABLE STANDARDS

ACI NUMBER	TITLE
117	STANDARD SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION
226	GROUND GRANULATED BLAST-FURNACE SLAG
301	STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS
302	GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION
304	GUIDE FOR MEASURING MIXING, TRANSPORTING AND PLACING CONCRETE
304.2R	PLACING CONCRETE BY PUMPING METHODS.
305R	HOT WEATHER CONCRETING
306R	COLD WEATHER CONCRETING
308	STANDARD PRACTICE FOR CURING CONCRETE
309R	GUIDE FOR CONSOLIDATION OF CONCRETE
315	MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES
318	BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
347	RECOMMENDED PRACTICE FOR CONCRETE FORMWORK
CRSI NUMBER/TITLE	
63	RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS
- CONCRETE MATERIALS
 - PORTLAND CEMENT – ASTM C 150, TYPE I
 - AGGREGATES – NORMAL WEIGHT CONCRETE, COARSE AND FINE, ASTM C 33. STRUCTURAL LIGHT WEIGHT ASTM C 330.
 - AIR-ENTRAINING – ASTM C 260
 - WATER REDUCING – ASTM C 494, TYPE A
 - WATER – FRESH, CLEAN AND POTABLE
 - NO ACCELERATORS, RETARDERS OR ADMIXTURES CONTAINING CHLORIDES WILL BE PERMITTED
 - FLY-ASH – ASTM C 618, CLASS F, 20% MAXIMUM OF CEMENTITIOUS MATERIAL BY WEIGHT. DO NOT USE FOR EXPOSED SLABS OR ARCHITECTURAL CONCRETE.
 - SUPER PLASTICIZER – ASTM C 494, TYPE F OR G, WHERE AUTHORIZED BY THE ENGINEER.
 - GROUND GRANULATED BLAST-FURNACE SLAG CEMENT – ASTM C 989, 50% MAXIMUM BY WEIGHT.
 - MAXIMUM AGGREGATE SIZE – FOOTINGS = #57, OTHERS #67
- REINFORCING MATERIALS
 - DEFORMED BARS – ASTM A 615, GRADE 60
 - WELDED WIRE FABRIC – ASTM A 1064, PLAIN WIRE FABRIC IN FLAT SHEETS ONLY.
 - ACCESSORIES TO CONFORM TO ACI 315.
 - WHERE CONCRETE SURFACES ARE EXPOSED, MAKE THOSE PORTIONS OF ALL ACCESSORIES IN CONTACT WITH THE CONCRETE SURFACE OR WITHIN 1/2 INCH THEREOF, OF PLASTIC OR STAINLESS STEEL.
- PROVIDE THE FOLLOWING MINIMUM CONCRETE STRENGTHS AT 28 DAYS:
 - FOOTINGS, SLAB-ON-GRADE, GRADE BEAM, PIER EXTENSION -----3000 PSI
- CONCRETE MUST BE BATCHED, MIXED AND TRANSPORTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR READY-MIXED CONCRETE ASTM C 94.
- REQUIRED SLUMP = 4 PLUS OR MINUS ONE INCH.
- CONCRETE MUST BE PLACED WITHIN 90 MINUTES OF BATCH TIME. WHEN AIR TEMPERATURE IS BETWEEN 85 AND 90 DEGREES F, REDUCE MIXING AND DELIVERY TIME TO 75 MINUTES. WHEN AIR TEMPERATURE IS HIGHER THAN 90 DEGREES F, REDUCE MIXING AND DELIVERY TIME TO 60 MINUTES.
- DO NOT ADD WATER AT THE JOB SITE WITHOUT APPROVAL OF THE PROJECT SUPERINTENDENT. DO NOT EXCEED THE SLUMP LIMITATION. USE ONLY COLD WATER FROM THE TRUCK TANK. ANY ADDED WATER MUST BE INDICATED ON THE DELIVERY TICKET PLUS THE NAME OF THE PERSON AUTHORIZING. TEST CYLINDERS SHALL BE TAKEN AFTER THE ADDITION OF WATER.
- LAP SPLICE REINFORCING PER CONCRETE LAP SCHEDULE MINIMUM UNLESS OTHERWISE SHOWN OR NOTED.
- PROVIDE FOUNDATION DOWELS TO MATCH SIZE AND NUMBER OF VERTICAL BARS. EMBED DOWELS TO:
 - 3" ABOVE BOTTOM OF FOOTINGS, GRADE BEAMS, PIER EXTENSIONS.
- REINFORCEMENT SHALL BE FASTENED AND SECURED TOGETHER TO PREVENT DISPLACEMENT BY CONSTRUCTION LOADS OR THE PLACING OF CONCRETE.
- REINFORCING BAR COVER
 - FOOTINGS, GRADE BEAM, PIER EXTENSIONS 2" (TOP), 3" (SIDES AND BOTTOM)
 - SLABS 1-1/2" (EXTERIOR)
- WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, LENGTH OF HOOK, IF REQUIRED, IS NOT INCLUDED.
- SELECT PROPORTIONS IN ACCORDANCE WITH ACI 301 TO PROVIDE CONCRETE CAPABLE OF BEING PLACED WITHOUT EXCESSIVE SEGREGATION AND WITH ACCEPTABLE FINISHING PROPERTIES, DURABILITY, SURFACE HARDENERS, APPEARANCE, AND STRENGTH REQUIREMENTS REQUIRED BY THESE SPECIFICATIONS.
- CHAIR WELDED WIRE FABRIC REINFORCING AT 3'-0" ON CENTER MAXIMUM IN EACH DIRECTION.

- MAXIMUM WATER TO CEMENT RATIO WHEN NO BACK-UP DATA IS AVAILABLE:
 - 3000 PSI, 28-DAY COMPRESSIVE STRENGTH; W/C RATIO, 0.58 MAXIMUM (NON-AIR-ENTRAINED), 0.47 MAXIMUM (AIR-ENTRAINED).
- DATA TO BE SUBMITTED:
 - INTENDED USAGE AND LOCATION FOR EACH TYPE
 - MIX DESIGN FOR EACH TYPE
 - CEMENT CONTENT IN POUNDS-PER-CUBIC YARD
 - COARSE AND FINE AGGREGATE IN POUNDS/CUBIC YARD
 - WATER CEMENT RATIO BY WEIGHT
 - CEMENT TYPE AND MANUFACTURER
 - SLUMP RANGE
 - AIR CONTENT
 - ADMIXTURE TYPE AND MANUFACTURER
 - PERCENT ADMIXTURE BY WEIGHT
 - STRENGTH TEST DATA REQUIRED TO ESTABLISH MIX DESIGN.
 - COMPLETE DETAIL AND PLACING SHOP DRAWINGS FOR ALL REINFORCING STEEL INCLUDING ACCESSORIES THAT HAVE BEEN REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR. INCLUDE ALL REQUIRED DIMENSIONS AND ELEVATIONS (I.E. TOP OF CONCRETE)
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE CONSTRUCTION OF FORMWORK, SHORING AND RE-SHORING IN ACCORDANCE WITH ACI 347.
 - FORM AND SHORING DESIGN BY A P.E. REGISTERED IN THE STATE OF FLORIDA.
- SUBMIT FORM WORK AND SHORING DRAWINGS TO LOCAL BUILDING DEPARTMENT WHEN REQUIRED BY FLORIDA THRESHOLD LAW.
- CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS MUST BE MADE AND LOCATED TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE.
 - NO HORIZONTAL CONSTRUCTION JOINTS WILL BE PERMITTED IN BEAMS, GIRDERS AND SLABS.
 - LOCATION OF ANY CONSTRUCTION JOINT NOT SHOWN IS SUBJECT TO REVIEW AND ACCEPTANCE BY ENGINEER.
- INTERNAL VIBRATION, PROPERLY APPLIED IS THE REQUIRED METHOD OF CONSOLIDATING PLASTIC CONCRETE.
- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, AND SLAB RECESSES AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED. NO SLEEVE, OPENINGS, OR INSERT MAY BE PLACED IN BEAMS, JOISTS, OR COLUMN UNLESS APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL VERIFY EMBEDDED ITEMS INCLUDING, BUT NOT LIMITED TO, ANCHOR BOLTS, BOLT CLUSTERS, WELD PLATES, ETC., BEFORE PLACING CONCRETE. NOTIFY ENGINEER OF ANY CONFLICTS WITH REBAR.
- ALL EXPOSED CONCRETE SURFACES TO BE IN ACCORDANCE WITH ACI 301 SECTION 5.3.3.(C), INCLUDING SURFACE TOLERANCE CLASS A AS SPECIFIED IN ACI 117.U.N.O.
- SEE ARCHITECTURAL DRAWINGS FOR REQUIRED CONCRETE FINISHES.
- SLOPE WALKWAYS TO DRAIN AWAY FROM THE BUILDING.
- TESTING
 - A QUALIFIED TESTING LAB SHALL BE RETAINED TO PERFORM QUALITY CONTROL WORK AND ON-SITE TESTING.
 - SLUMP TEST – ASTM 143
 - MOLD AND CURE TEST CYLINDERS (ASTM C-31) AND TEST CYLINDERS FOR STRENGTH (ASTM C 39). TAKE ONE TEST – THREE CYLINDERS FOR EACH DAYS POUR OF 100 CUBIC YARDS, OR FRACTION THEREOF. TEST ONE CYLINDER AT 7 DAYS, TWO AT 28 DAYS. TEST CYLINDER SAMPLES SHALL BE TAKEN AT THE POINT OF DISCHARGE WHEN USING A PUMP.
 - ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO THE OWNER, ENGINEER, ARCHITECT AND GENERAL CONTRACTOR.
- CONTRACTOR SHALL PROVIDE FLATNESS AND LEVELNESS IN CONCRETE SLABS PER ACI 302.1R, FIG. 10.7 MINIMUM REQUIRED "F" NUMBERS FOR TYPE OF SLAB USE. REFER TO ACI 117 FOR FLOOR TOLERANCES.
- REPAIR ANY CRACKS OR DEFECTIVE AREAS THAT WILL RESTORE THE AFFECTED SURFACE OR AREAS TO THEIR FULL DESIGN STRENGTH AND APPEARANCE. CONTACT THE STRUCTURAL ENGINEER FOR ADVICE AND EVALUATION.
- ACCEPTANCE OF THE STRUCTURE WILL BE MADE IN CONFORMANCE WITH ACI 301.
- ALL CAST-IN-PLACE CONCRETE MUST BE MAINTAINED WITH MINIMAL MOISTURE LOSS AT A RELATIVELY CONSTANT TEMPERATURE FOR A MINIMUM OF 7 DAYS FOLLOWING THE PLACING OF THE CONCRETE BY THE USE OF A WATER SPRAY, WATER SATURATED FABRIC, MOISTURE RETAINING MEMBRANE OR LIQUID CURING COMPOUND.
- CURE SLABS-ON-GRADE FOR THE FIRST 72 HOURS BY THE USE OF:
 - FOG SPRAYING
 - PONDING
 - SPRINKLING
 - CONTINUOUSLY WET ABSORPTIVE MATS OR FABRIC
 - CONTINUE CURING BY USE OF MOISTURE RETAINING COVER UNTIL CONCRETE HAS OBTAINED ITS SPECIFIED 28 DAY COMPRESSIVE STRENGTH.
 - OR LIQUID CURING COMPOUND AFTER FINISHING PROCESS IS COMPLETED.
 - CONCRETE WET CURE TIME TO BE 7 DAYS MINIMUM AT 50 DEGREES MINIMUM TEMPERATURE.
- SUBMIT MATERIALS AND METHOD OF CURING FOR REVIEW.
- DO NOT USE MOISTURE RETAINING CURING COMPOUNDS FOR CURING SURFACES TO RECEIVE CARPET, FLEXIBLE FLOORING, CERAMIC TILED FLOORS OR OTHER SPECIFIED FLOOR SYSTEMS, UNLESS IT HAS BEEN DEMONSTRATED THAT SUCH COMPOUNDS WILL NOT PREVENT BOND.
- DO NOT PERMIT CONCRETE NOT FULLY CURED TO BE EXPOSED TO EXCESSIVE TEMPERATURE CHANGES OR HIGH WINDS.

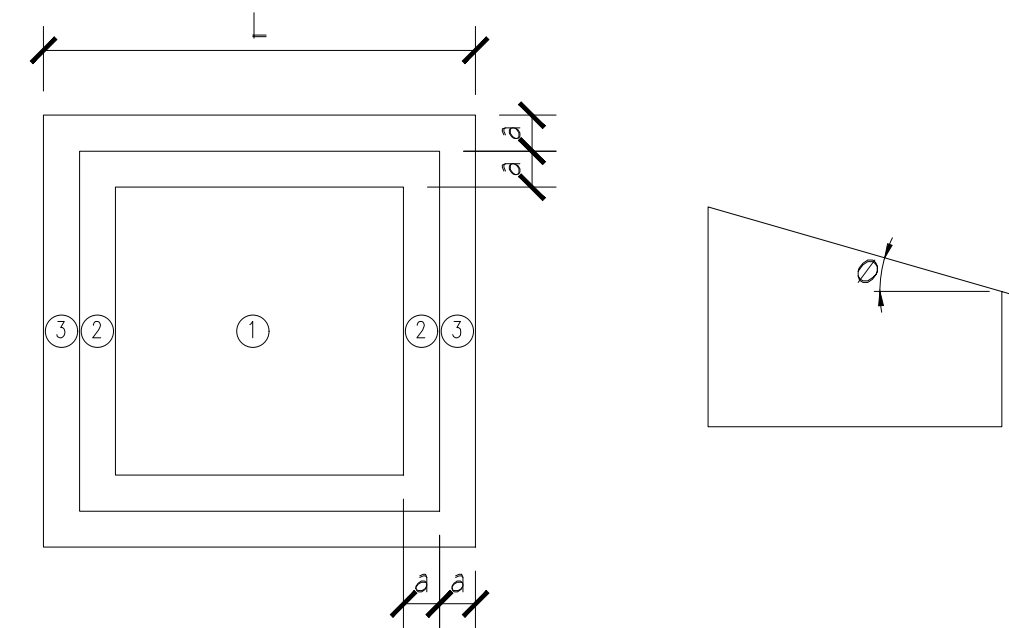
- POUR ALL GROUND SLABS ON 10 MIL MINIMUM VAPOR RETARDER IN COMPLIANCE WITH ASTM E1745, LAPPED 6" MINIMUM AND FULLY TAPED.
- EQUIPMENT MADE OF ALUMINUM OR ALUMINUM ALLOYS, SHALL NOT BE USED FOR PUMP LINES, TREMIES, OR CHUTES OTHER THAN SHORT CHUTES SUCH AS THOSE USED TO CONVEY CONCRETE FROM A TRUCK MIXER.
- THE CODE PROHIBITS THE USE OF ALUMINUM (CONDUIT, PIPES, ETC.) IN STRUCTURAL CONCRETE UNLESS IT IS EFFECTIVELY COATED OR COVERED.

GROSS ULTIMATE WIND LOADS MAIN ROOF ROOFING MATERIALS			
COMPONENTS AND CLADDING	ROOF ZONE		
	1	2	3
PRESSURE (psf)	80.9	121.0	162.0
SUCTION (psf)	-80.9	-121.0	-197.0

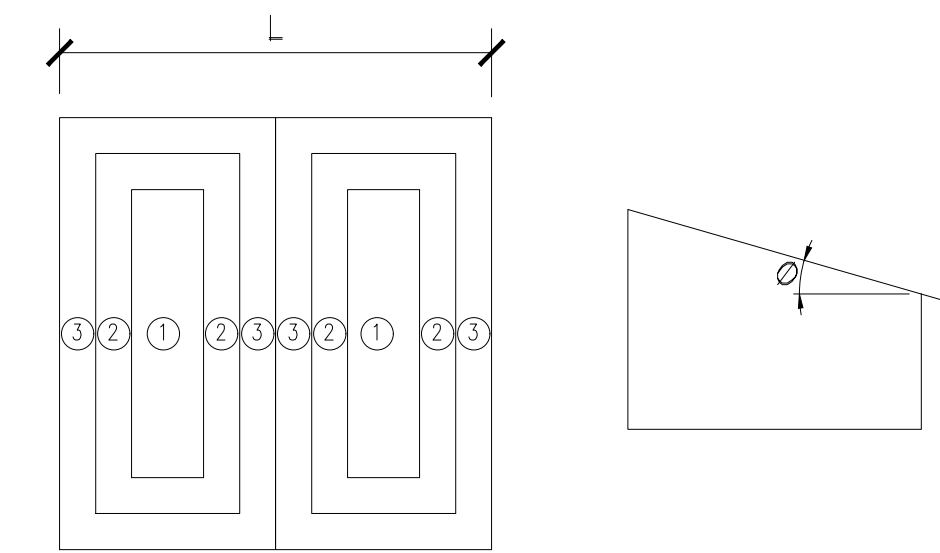
NET ULTIMATE WIND LOADS MAIN ROOF TRUSSES			
COMPONENTS AND CLADDING	ROOF ZONE		
	1	2	3
PRESSURE (psf)	80.9	121.0	121.0
SUCTION (psf)	-80.9	-121.0	-121.0

GROSS ULTIMATE WIND LOADS MAIN ROOF ROOFING MATERIALS			
COMPONENTS AND CLADDING	ROOF ZONE		
	1	2	3
PRESSURE (psf)	79.3	122.0	159.0
SUCTION (psf)	-104.0	-162.0	-209.0

NET ULTIMATE WIND LOADS MAIN ROOF JOISTS OR TRUSSES			
COMPONENTS AND CLADDING	ROOF ZONE		
	1	2	3
PRESSURE (psf)	79.3	79.3	79.3
SUCTION (psf)	-104.0	-104.0	-104.0



MONOSLOPE FREE ROOF (PRE-ENGINEERED CANOPY) ($0^\circ < \theta < 45^\circ$)



PITCHED FREE ROOF (ROOF ADDITION) ($10^\circ < \theta < 45^\circ$)

COMPONENT AND CLADDING LOADING DIAGRAMS

- $a=3'-0"$
- THIS BUILDING IS DESIGNED AS AN ENCLOSED STRUCTURE. ALL EXTERIOR COMPONENTS (DOORS, WINDOWS, ETC.) MUST BE DESIGNED TO WITHSTAND THE WIND LOADINGS SPECIFIED FOR THE DESIGN OF COMPONENTS AND CLADDING IN THE TABLES. IN ADDITION, ALL AREAS OF EXTERIOR GLAZING MUST BE CERTIFIED FOR MISSILE IMPACT OR PROTECTED BY WIND-BORNE DEBRIS BY A SCREEN BARRIER.
- TO CONVERT THE (ASCE 7-16) ULTIMATE WIND PRESSURES IN THE TABLES ABOVE TO (ASD) WIND PRESSURES, MULTIPLY EACH VALUE BY ϕ_w .

COMPONENT AND CLADDING LOADING DIAGRAMS

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- TO CONVERT THE (ASCE 7-16) ULTIMATE WIND PRESSURES IN THE TABLES ABOVE TO (ASD) WIND PRESSURES, MULTIPLY EACH VALUE BY ϕ_w .

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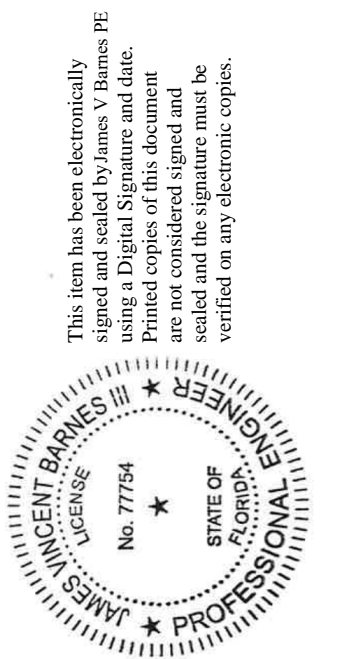
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FAX (305) 296-1033

LICENSE NO.
AA 0003040

BIG PINE ACADEMY
ADA ACCESS
COMPLIANCE
RENOVATION
30220 OVERSEAS HWY.
BIG PINE KEY, FLORIDA



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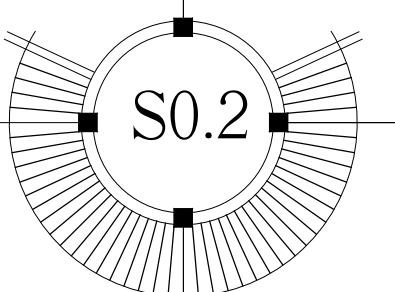


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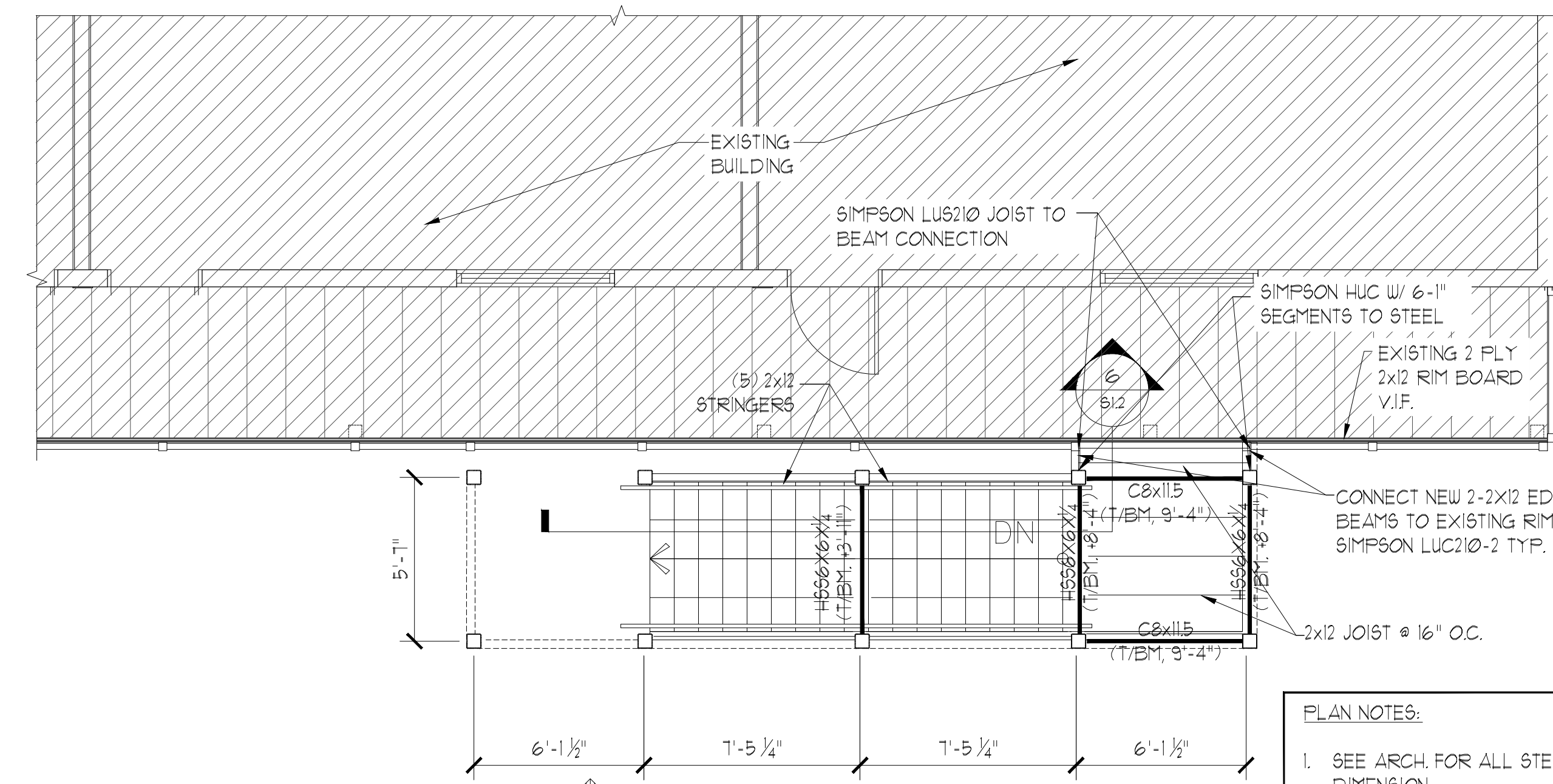
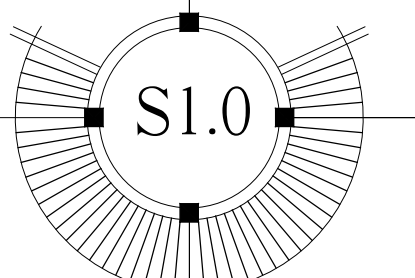


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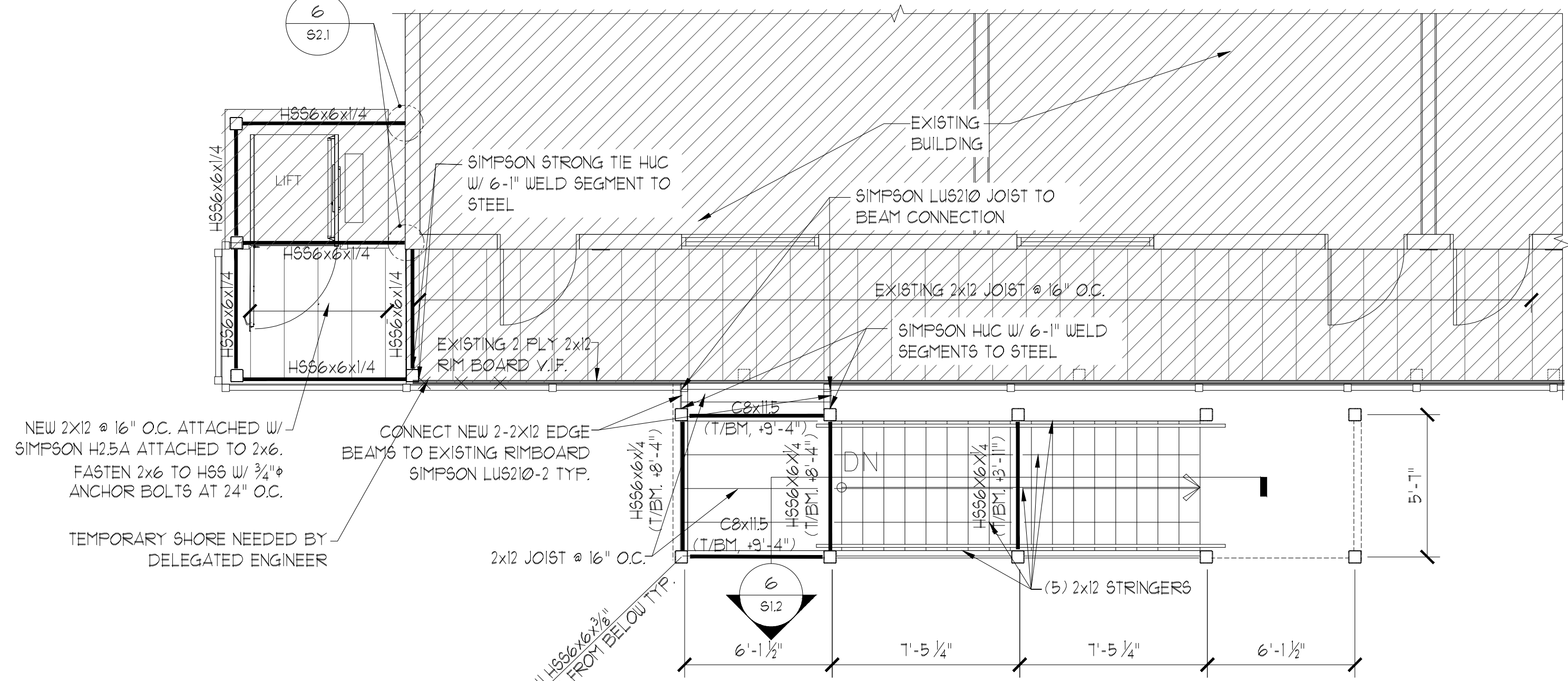
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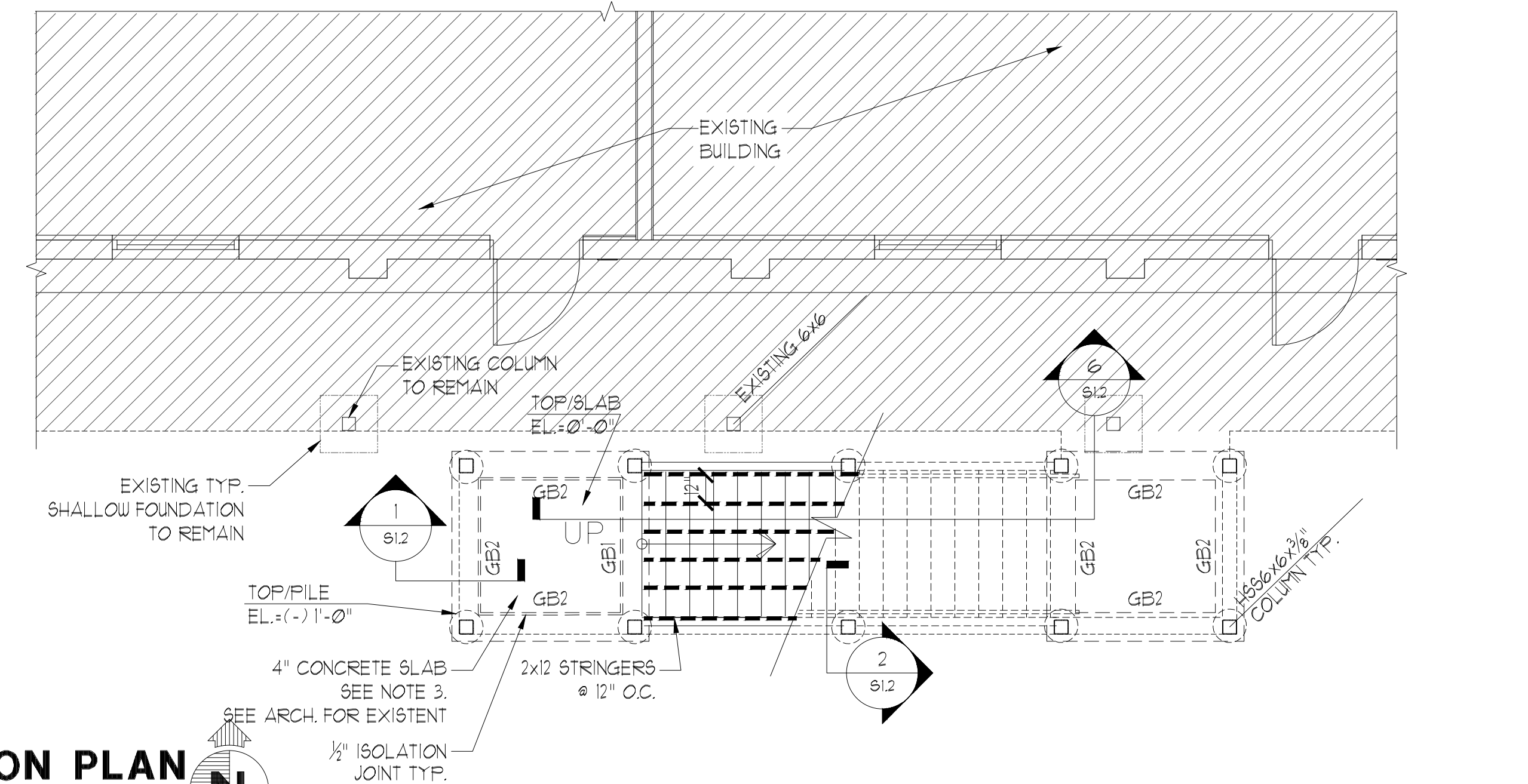


2ND FLOOR STAIR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- PLAN NOTES:**
1. SEE ARCH. FOR ALL STEEL COATING & FINISHES AND DIMENSION.
 2. SEE ARCH. FOR ALL SPECIALTY AND LANDING SLABS ALONG W/ CONTROL JOINT LOCATIONS.
 3. THE G.C. SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS & EXISTING CONDITIONS.
 4. THE G.C. SHALL PROVIDE TEMPORARY SHORING AS REQUIRED TO SUPPORT EXISTING STRUCTURE TO REMAIN UNTIL ALL NEW SUPPORTS ARE IN PLACE.
 5. RAILING TO BE PRE-ENGINEERED ALUMINUM BY DELEGATED ENGINEER.
 6. ALL SIMPSON CLIPS & CONNECTIONS TO BE STAINLESS UNO.
 7. ALL JOISTS TO BE 2x12 #2 SYP. FT.
 8. DECKING TO BE 2x6 FT. UNO. SEE SPEC. FOR ADDITIONAL INFO.

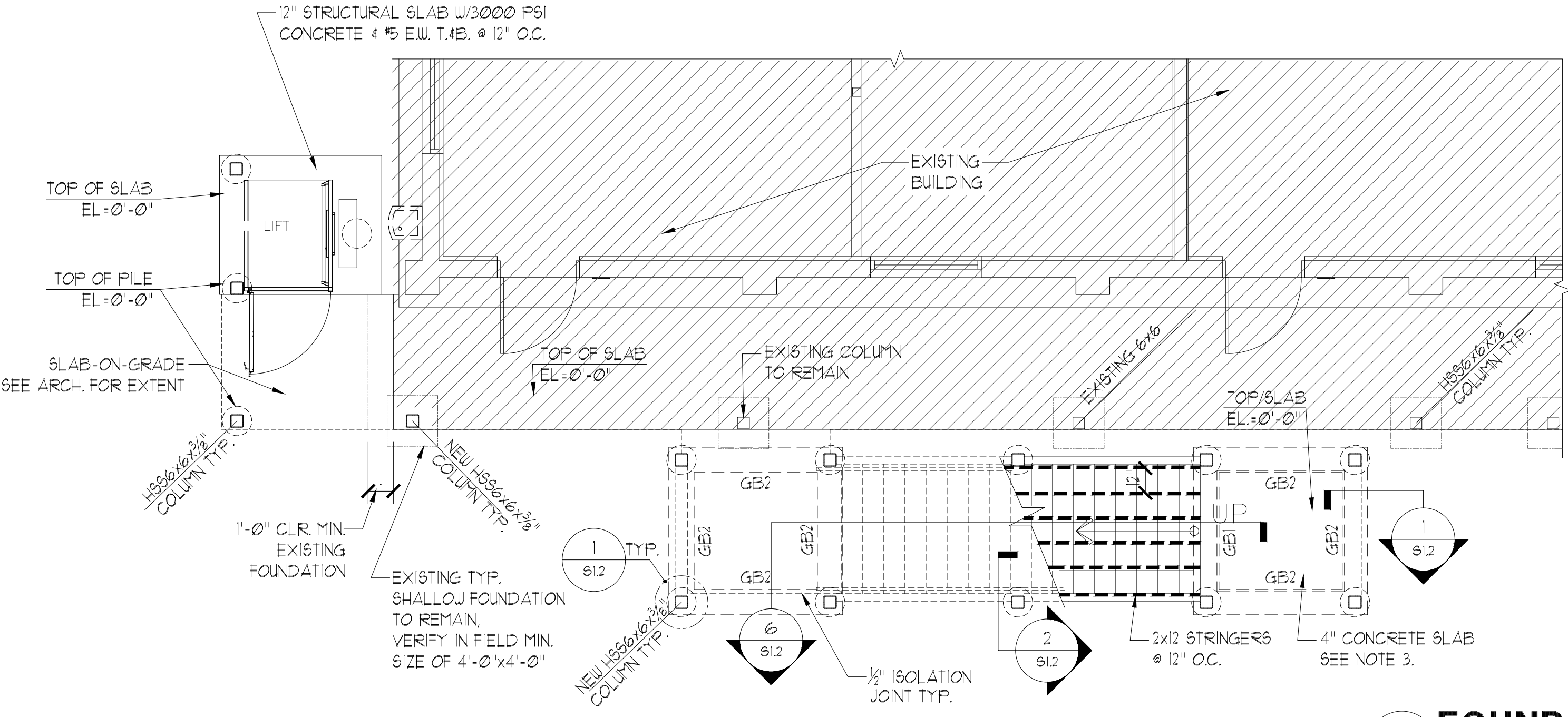


2ND FLOOR STAIR FRAMING PLAN
SCALE: 1/4" = 1'-0"

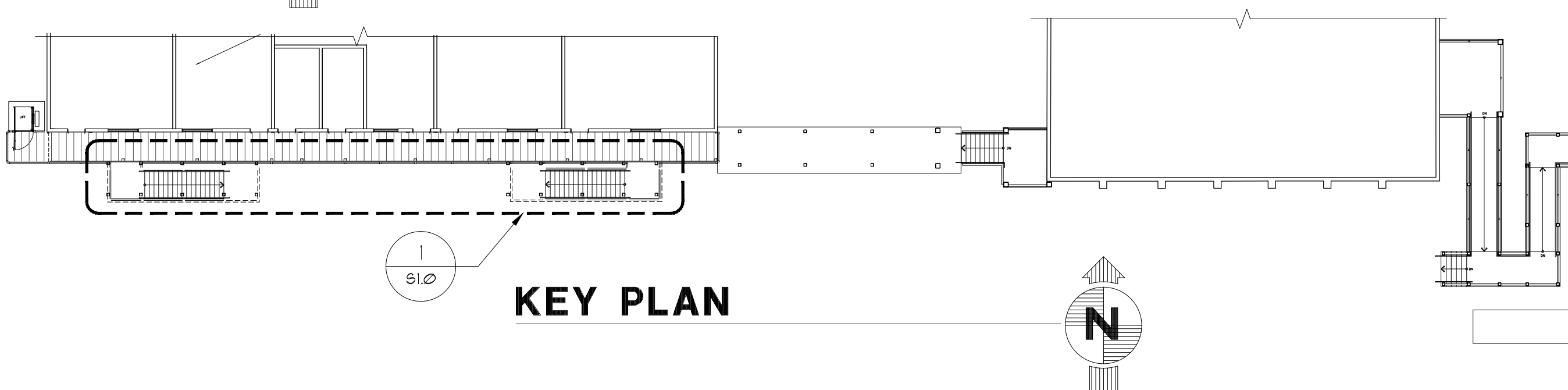


FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

- FOUNDATION PLAN NOTES:**
1. 14"Ø AUGER PILE TO DEPTH OF 35'-5" AS APPROVED BY GEOTECH.
 2. GC TO LOCATE AND AVOID CONFLICTS W/ ALL EXISTING FOUNDATIONS. NOTIFY PENNONI OF DISCREPANCIES PRIOR TO INSTALLATION OF AUGER CAST FOUNDATIONS.
 3. SLAB-ON-GRADE TO BE 4" THICK f'c=3000 FSI CONC. REINFORCED W/ 6x6-W2.9x2.9 WWF. ON 15 MIL. VAPOR RETARDER OVER COMPACTED TREATED SOIL. SEE ARCH. FOR EXTENT OF SLAB STEPS, OFFSETS AND SLOPES.
 4. SEE ARCH. FOR ALL SLAB CONTROL JOINTS.
 5. SEE SHEET 02.0 FOR GRADE BEAM INFO.
 6. SEE DETAIL 2/2.0 FOR LAP SCHEDULE.
 7. ALL STILL TO BE HOG UNO.
 8. TOP OF FILE & GRADE BEAM TO BE (-) 1'-0".



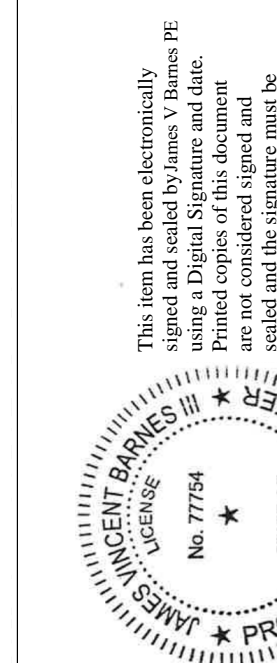
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



KEY PLAN



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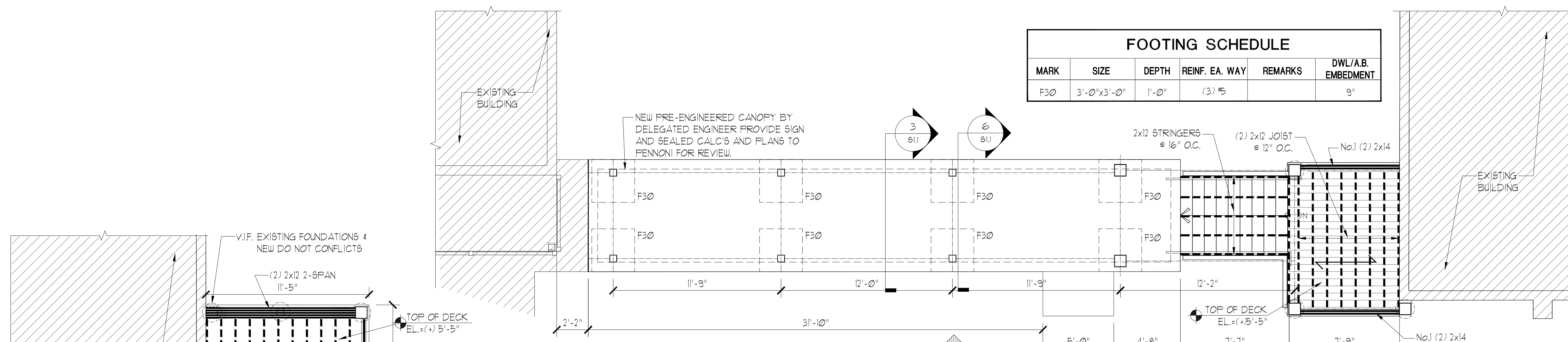
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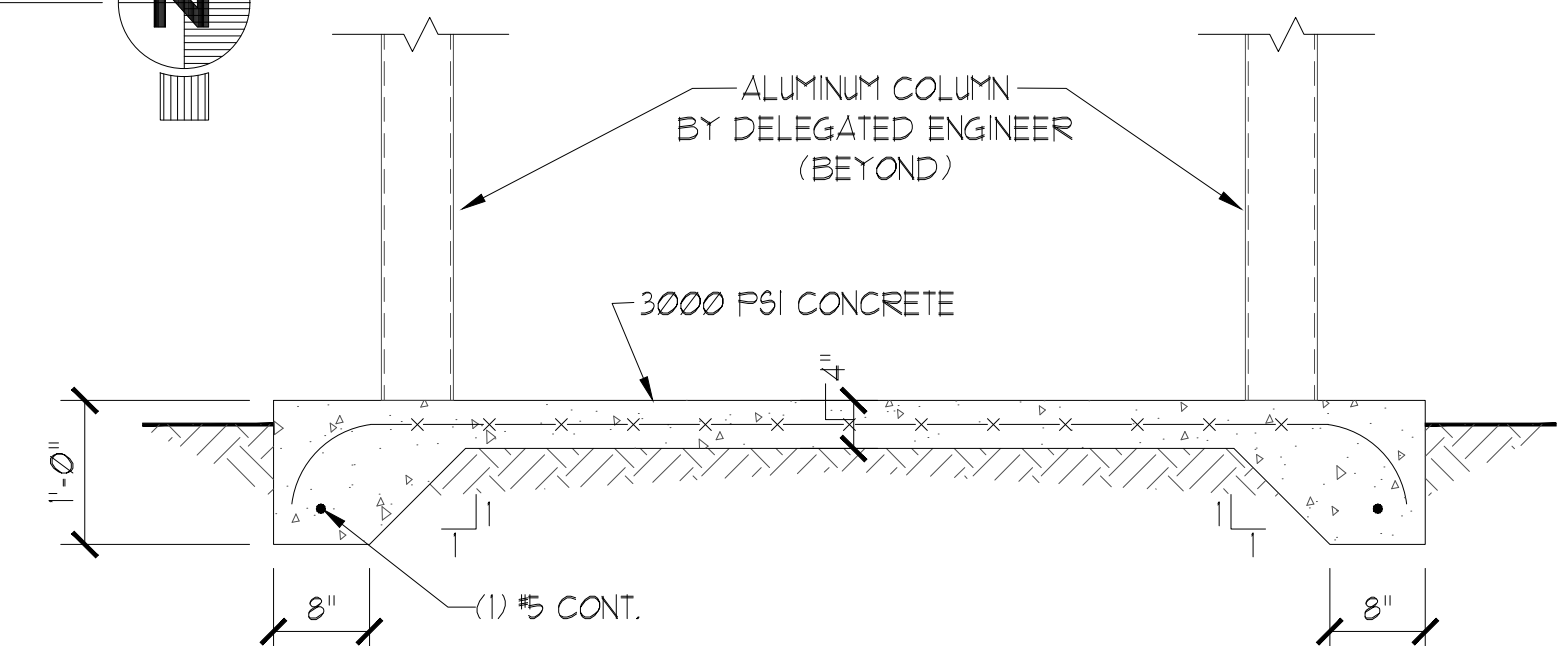
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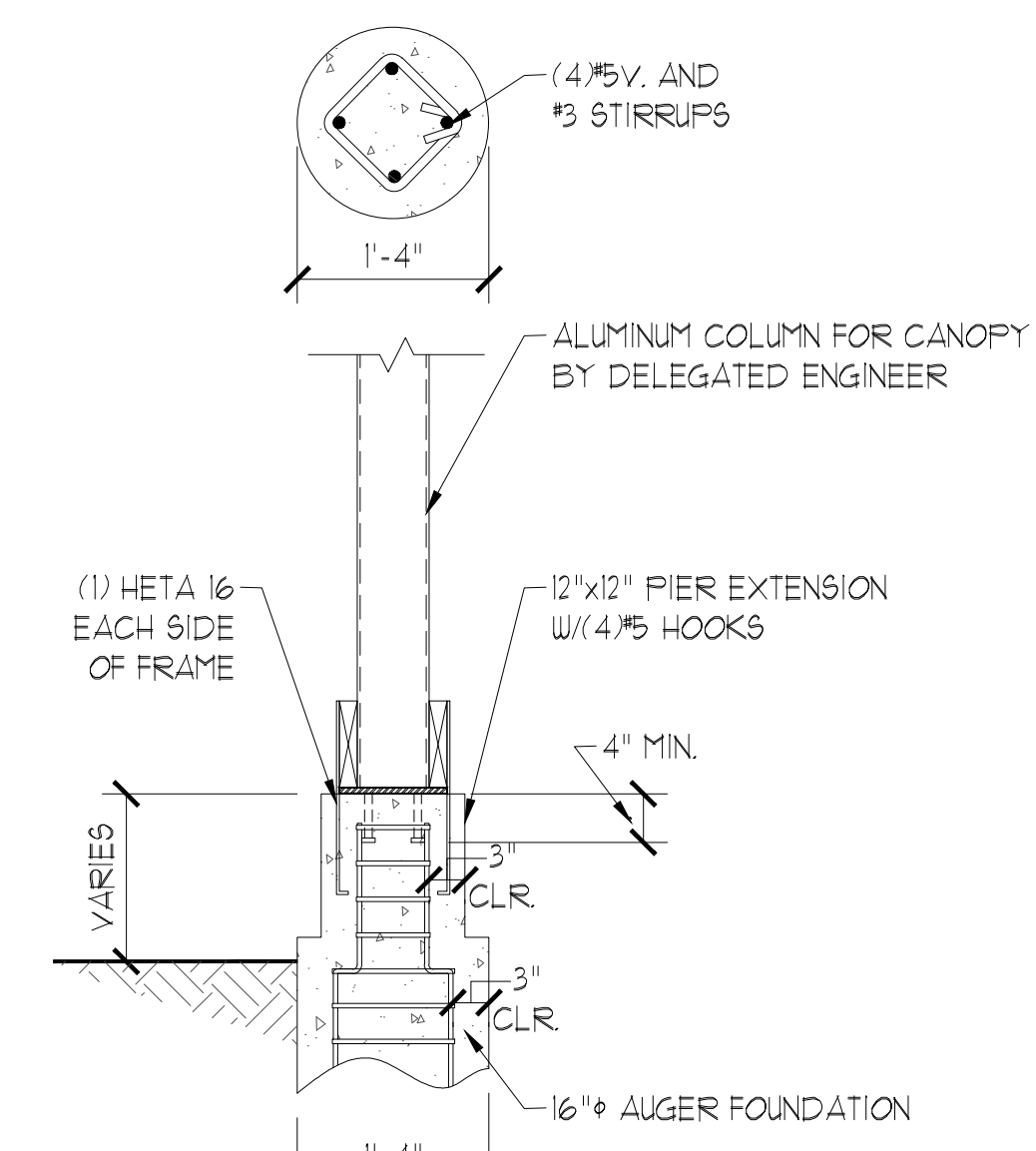
MARK	SIZE	DEPTH	REINF. EA. WAY	REMARKS	DWL/A.B. EMBEDMENT
F30	3'-0"X3'-0"	1'-0"	(3) #5		9"



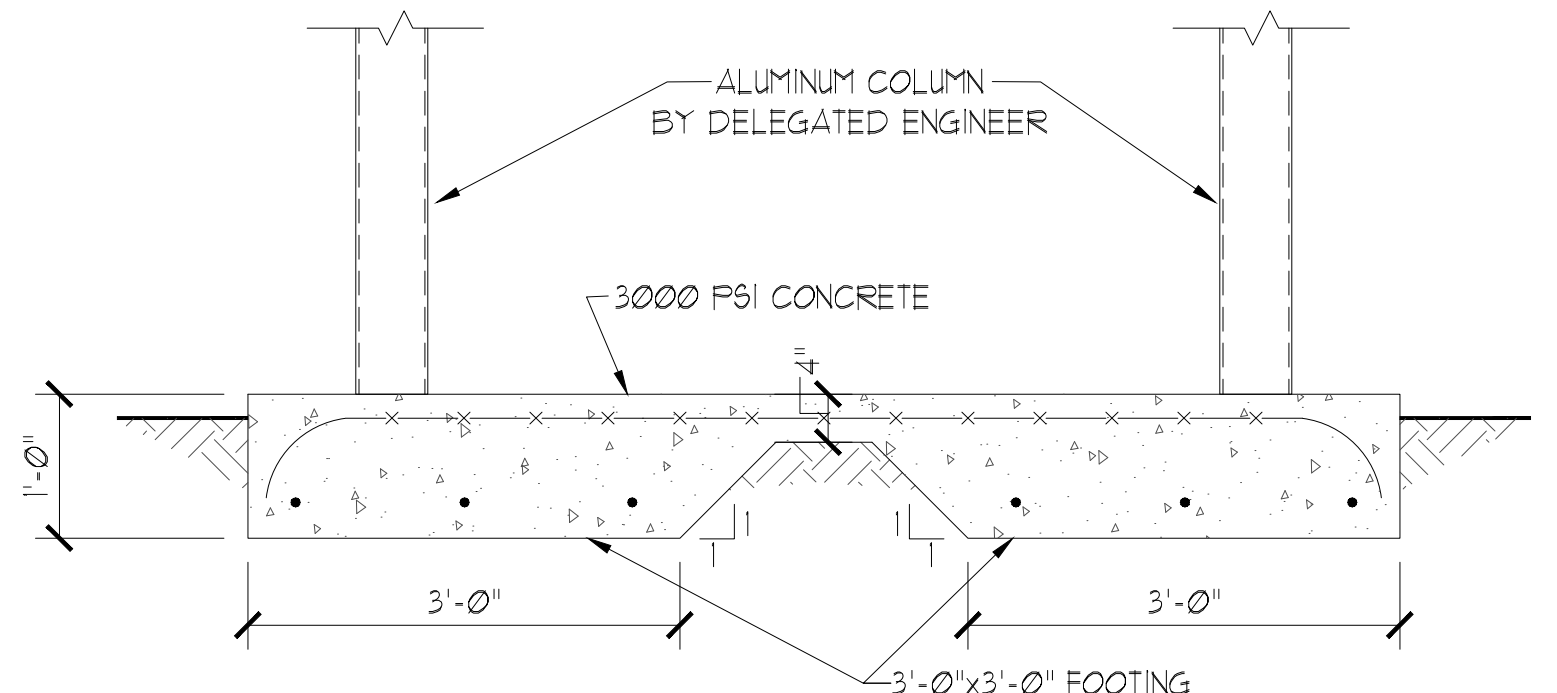
1 PARTIAL FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



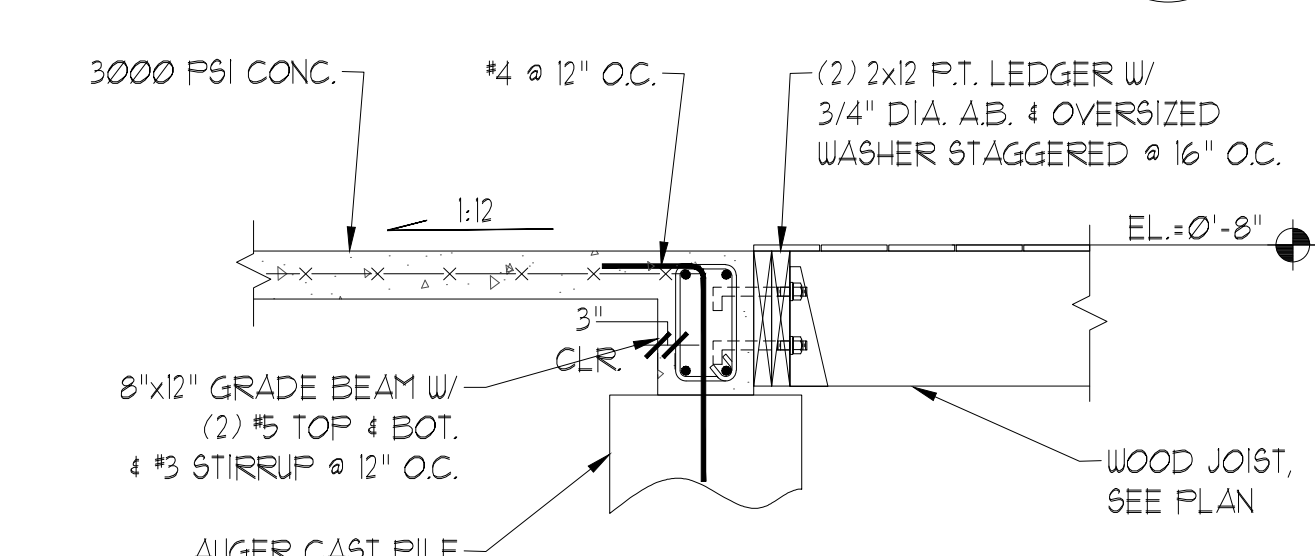
3 FOUNDATION AT PRE-ENGINEERED CANOPY COLUMNS



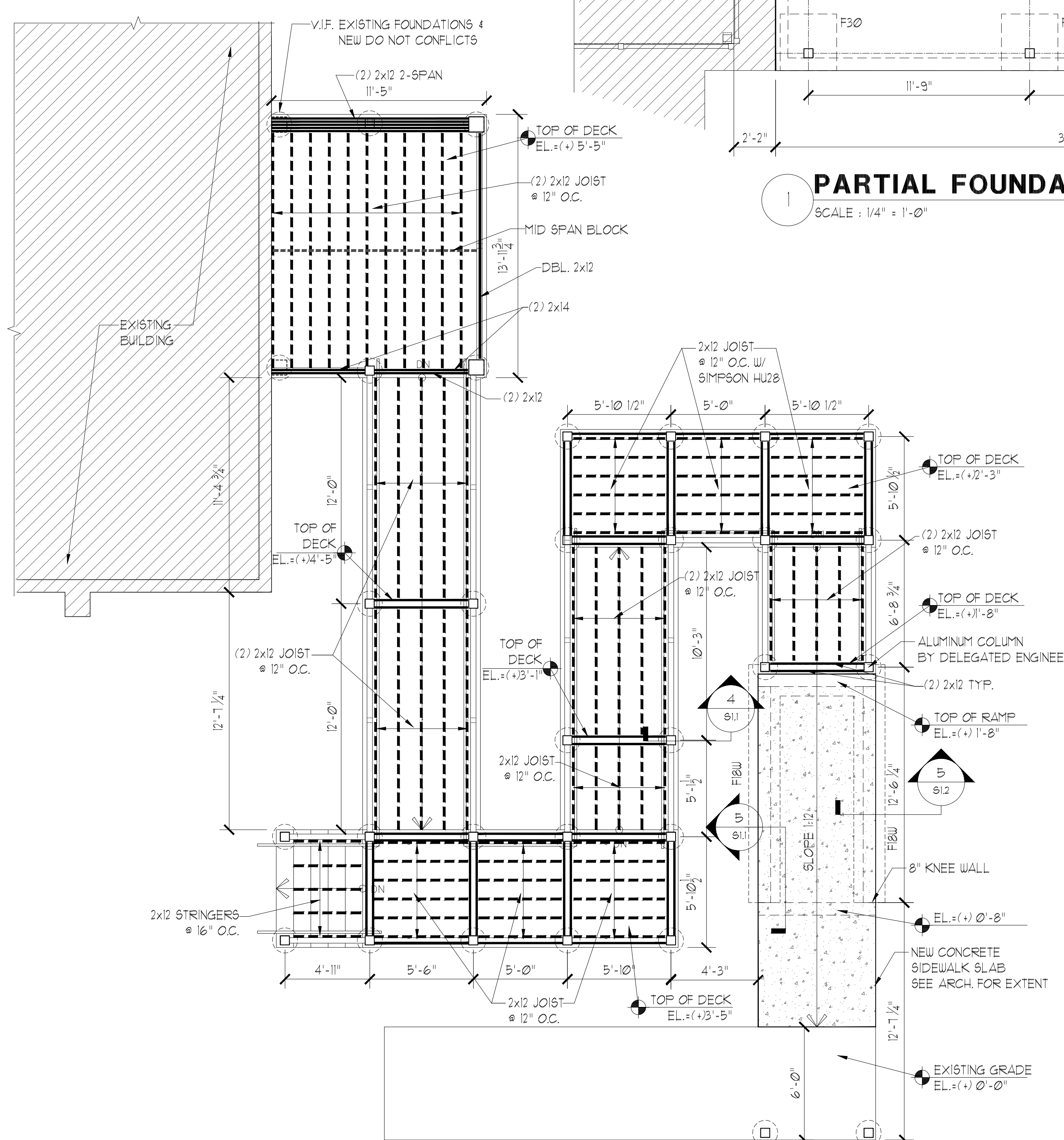
4 SECTION AT BASE OF COLUMN



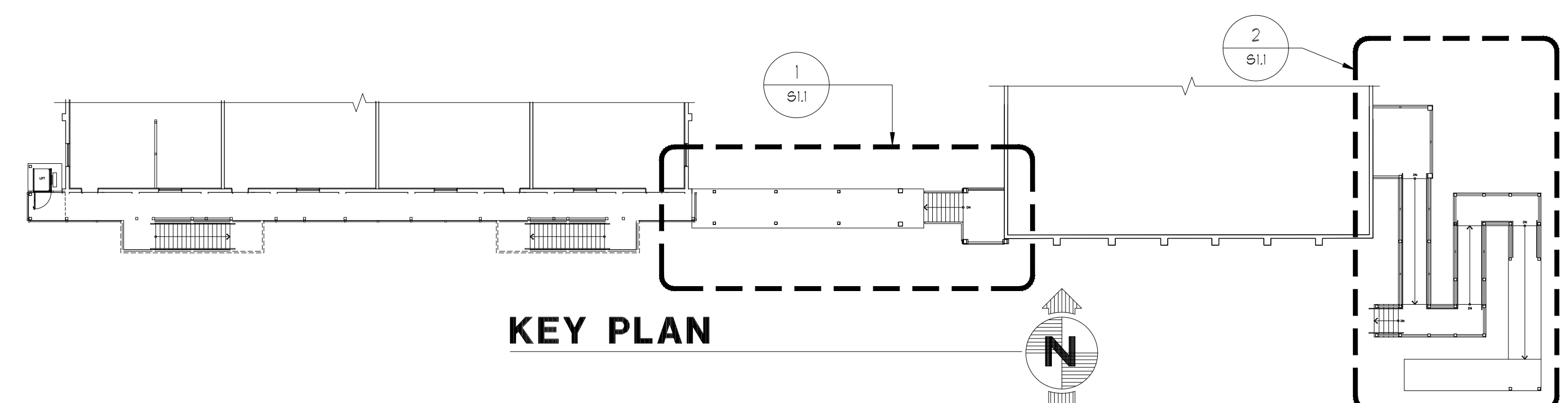
6 FOUNDATION AT PRE-ENGINEERED CANOPY COLUMNS



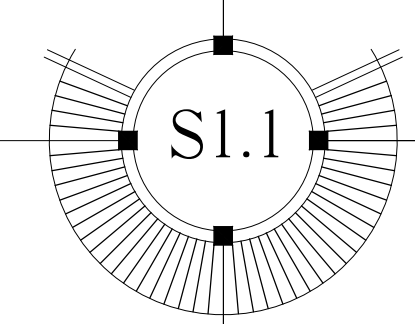
5 RAMP CONNECTION DETAIL



2 RAMP FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



KEY PLAN





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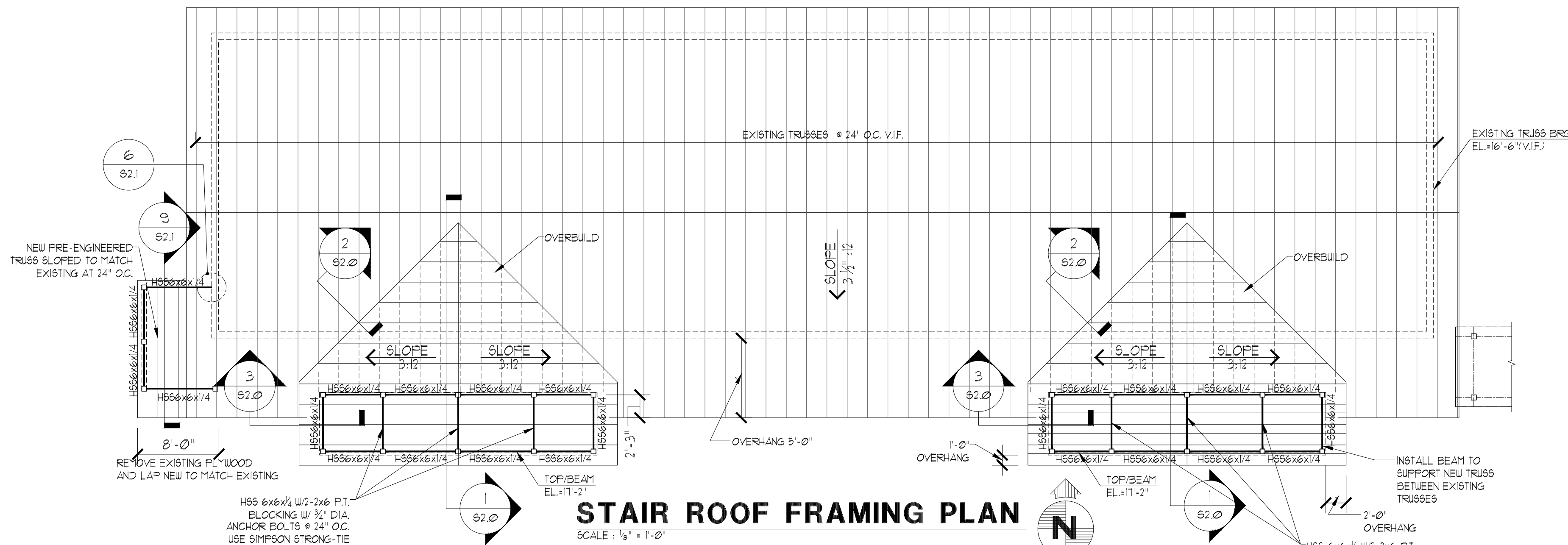


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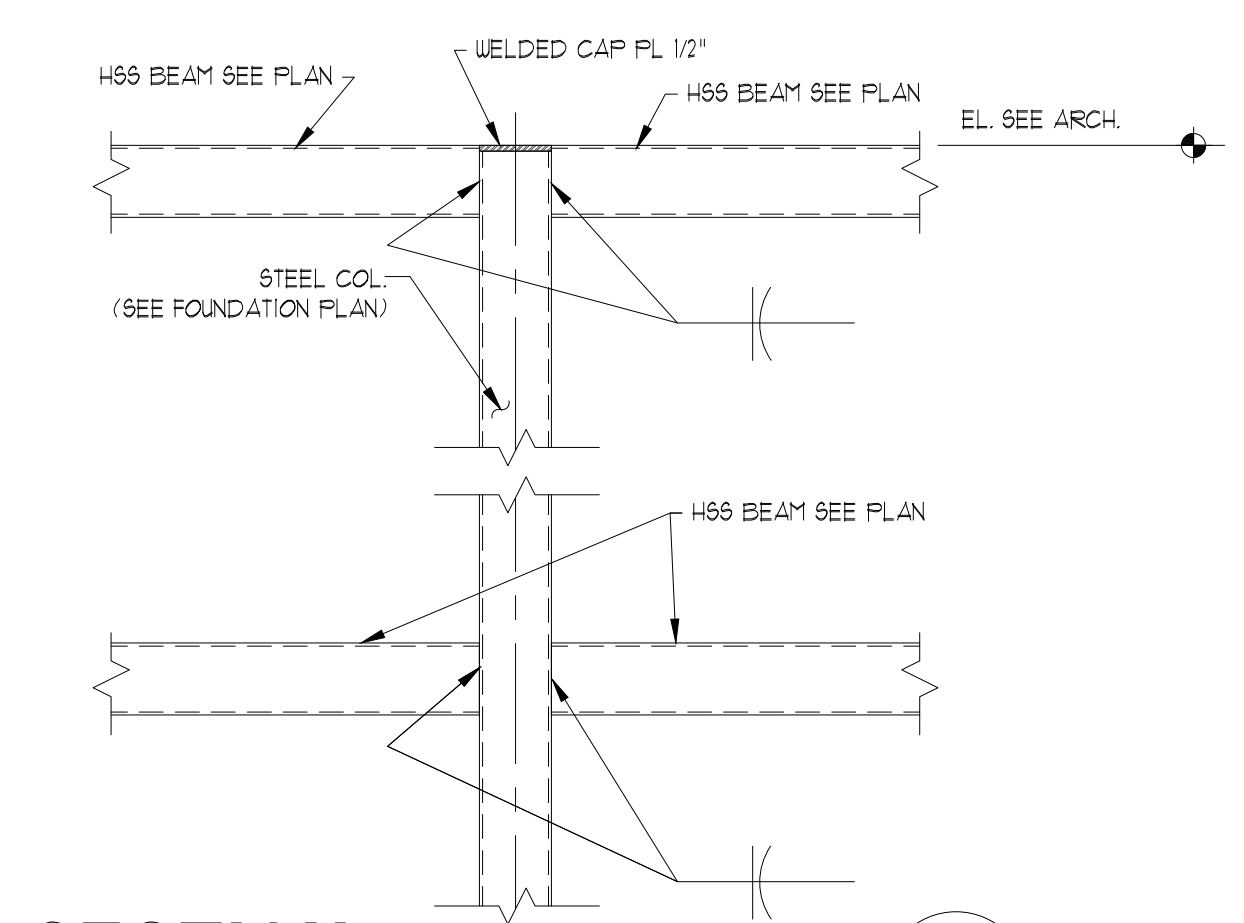
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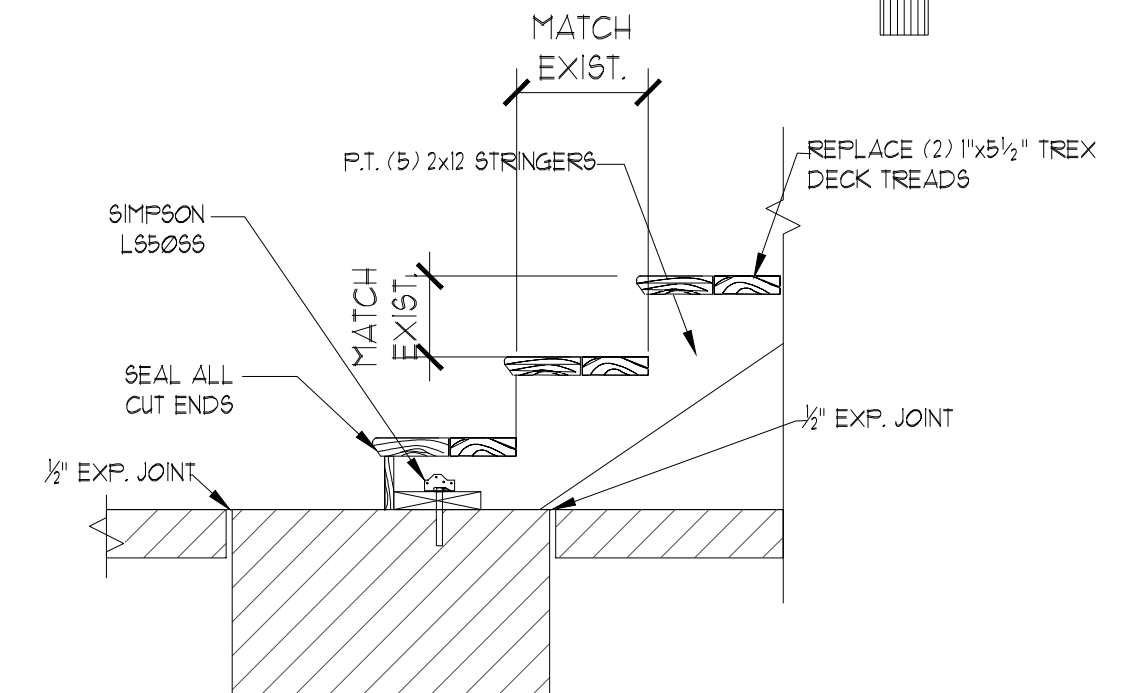
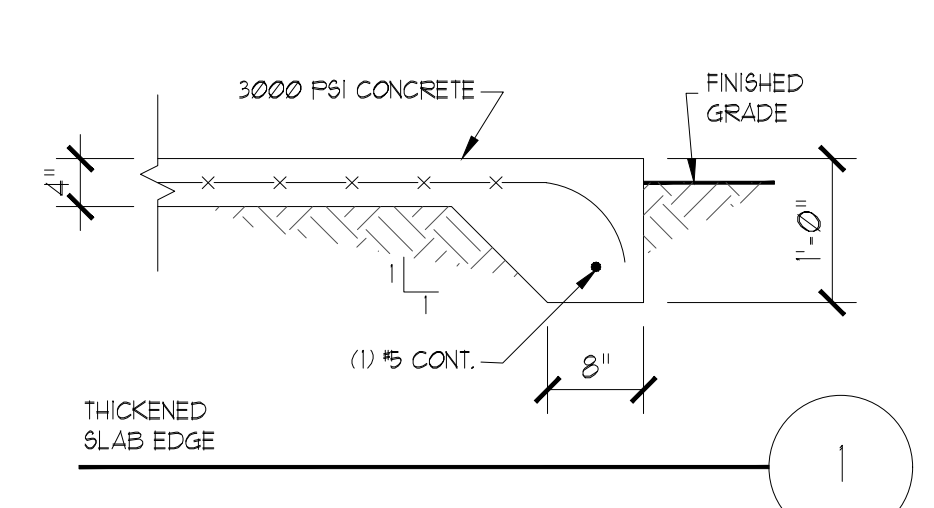
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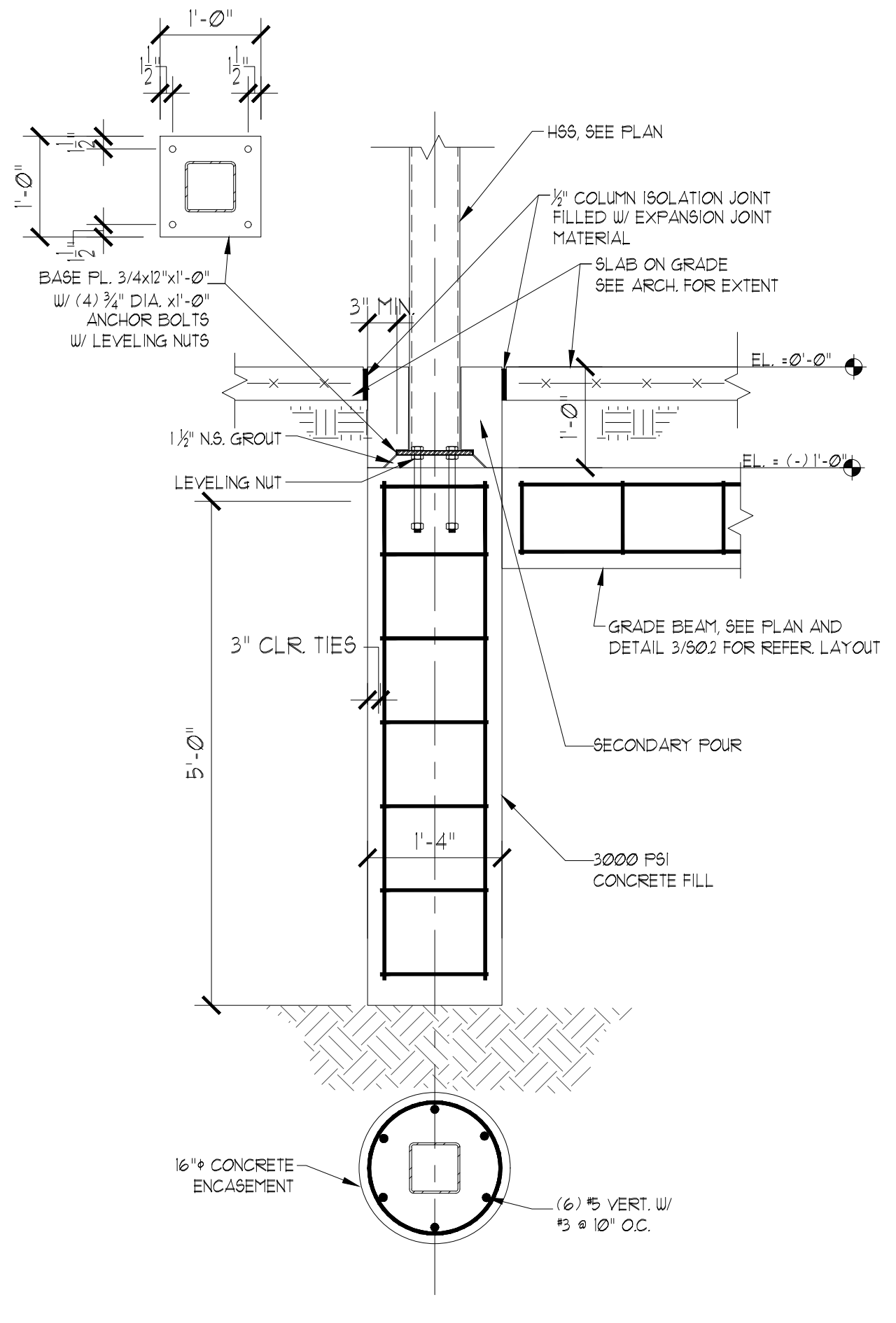
- ROOF PLAN NOTES:**
1. ROOF FRAMING TO BE PRE-ENGINEERED WOOD TRUSSES @ 24" O.C. MAX. SEE ARCH. DRAWINGS FOR EXTENT. PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR REVIEW PRIOR TO FABRICATION AND CONSTRUCTION.
 2. ROOF DECK SHEATHING TO BE 3/4" THICK PLYWOOD W/6d NAILS @ 4" O.C. AT PANEL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS. PROVIDE BLOCKING AT ALL PANEL JOINTS. SEE DETAILS X X FOR ADDITIONAL INFORMATION.
 3. ———> INDICATES ROOF SLOPE.
 4. ROOF TRUSS ELEVATION: SEE PLAN.
 5. REFER TO SHEETS 601 FOR SPECIFICATIONS.
 6. ALL TRUSS TO TRUSS CONNECTIONS BY DELEGATED ENGINEER.
 7. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING AND SHORING.
 8. VERIFY ALL DIMENSIONS AND ELEVATIONS W/ ARCH. DRAWINGS.
 9. ALL SIMPSON CONTRACTORS ARE TO BE FULLY NAILED UNO.
 10. ALL EXISTING ROOFING TO BE REMOVED FROM TRUSS OVERBUILD PRIOR TO INSTALLATION.



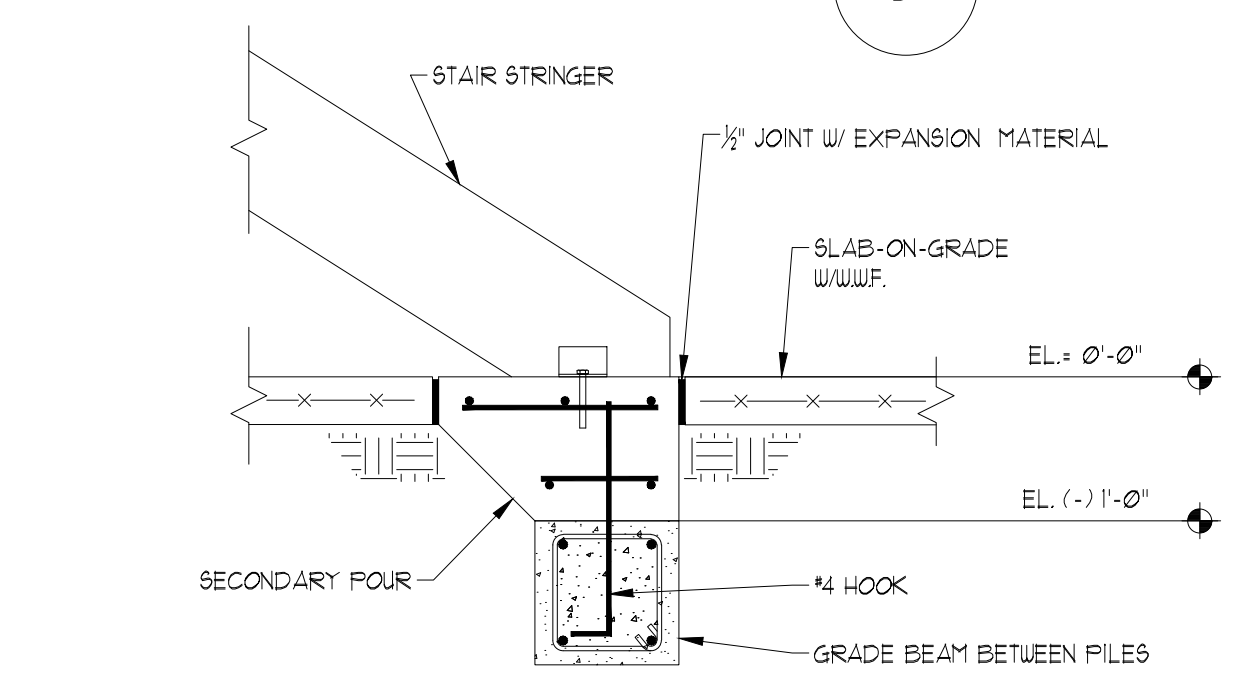
SECTION
(*) - FILLET WELD = 1/16" LESS THAN COL. WALL THICKNESS



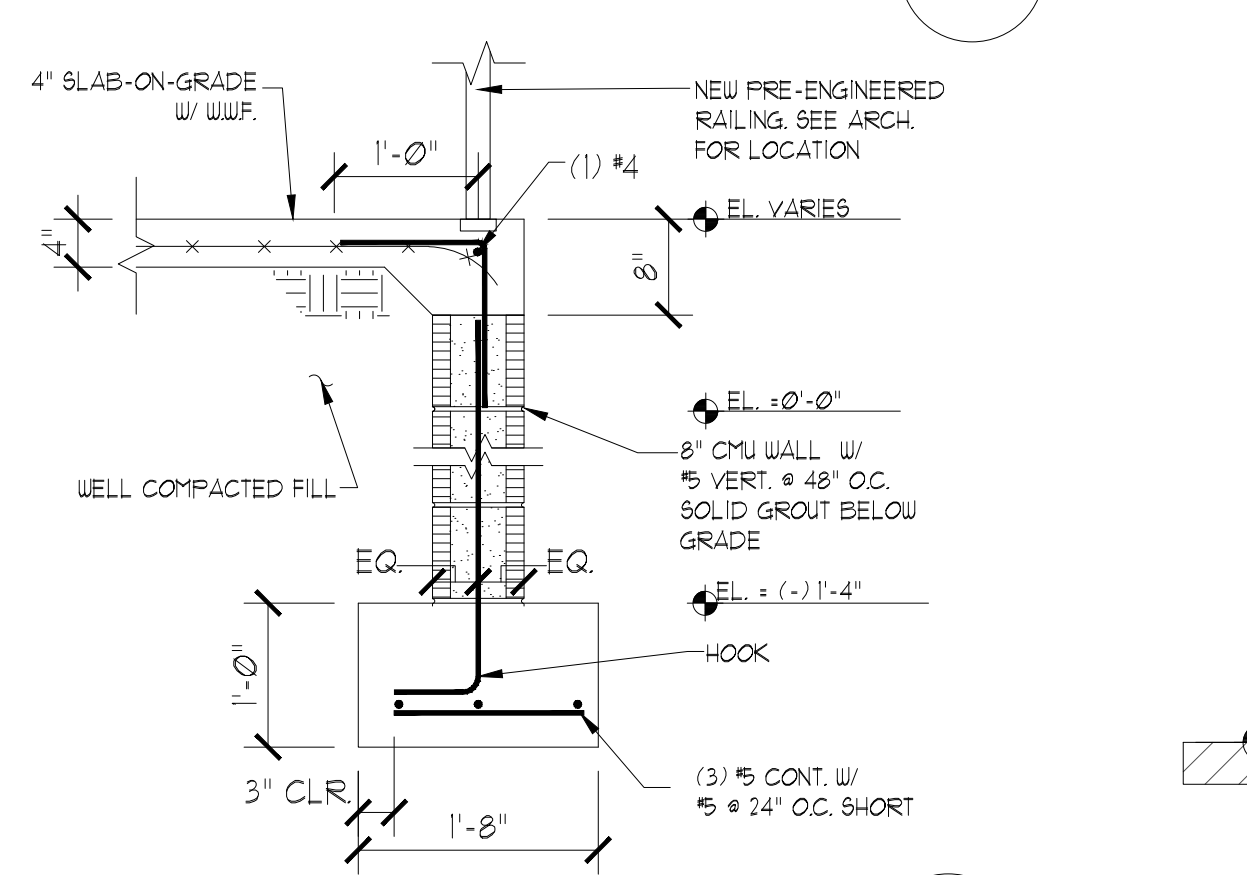
STAIR AT SLAB



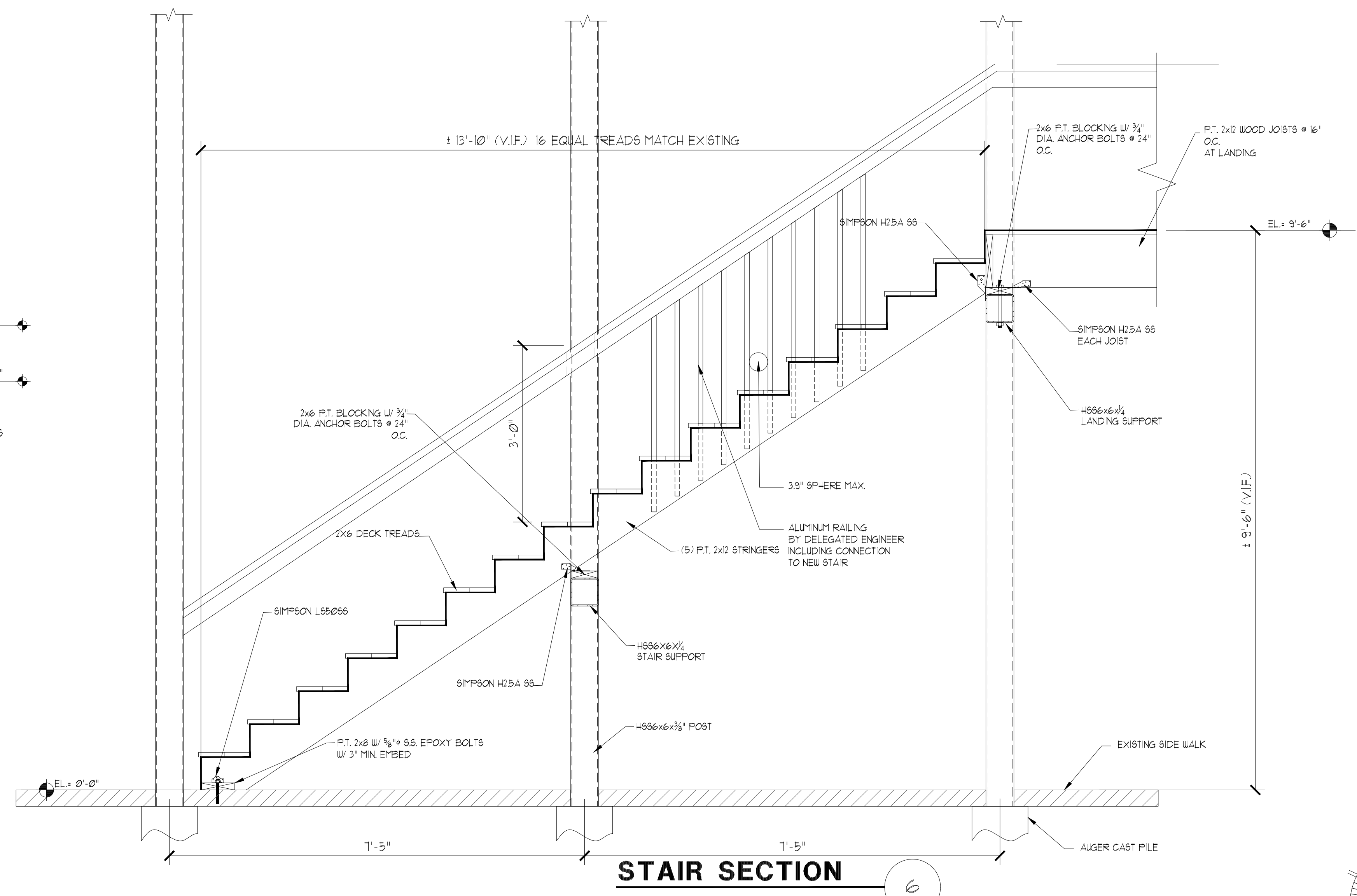
AUGER CAST PILE DETAIL



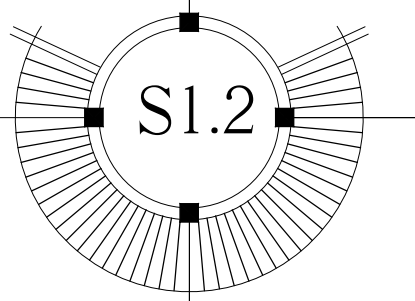
STAIR BASE DETAIL

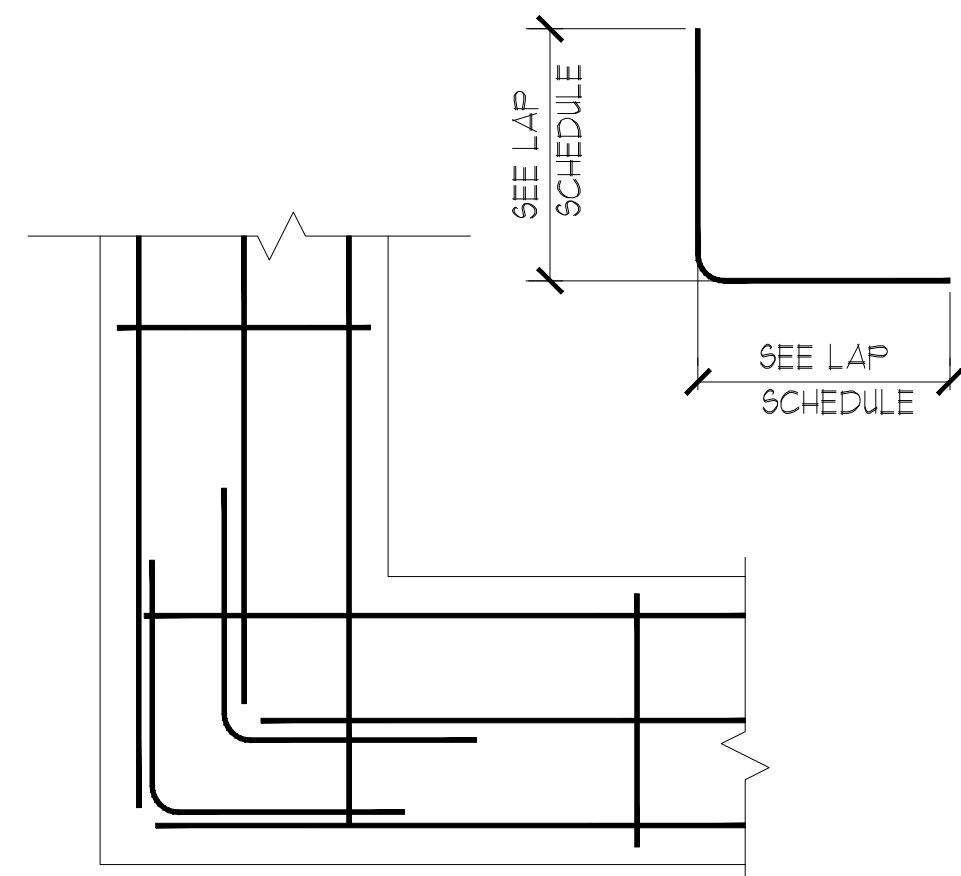


RAMP DETAIL



STAIR SECTION





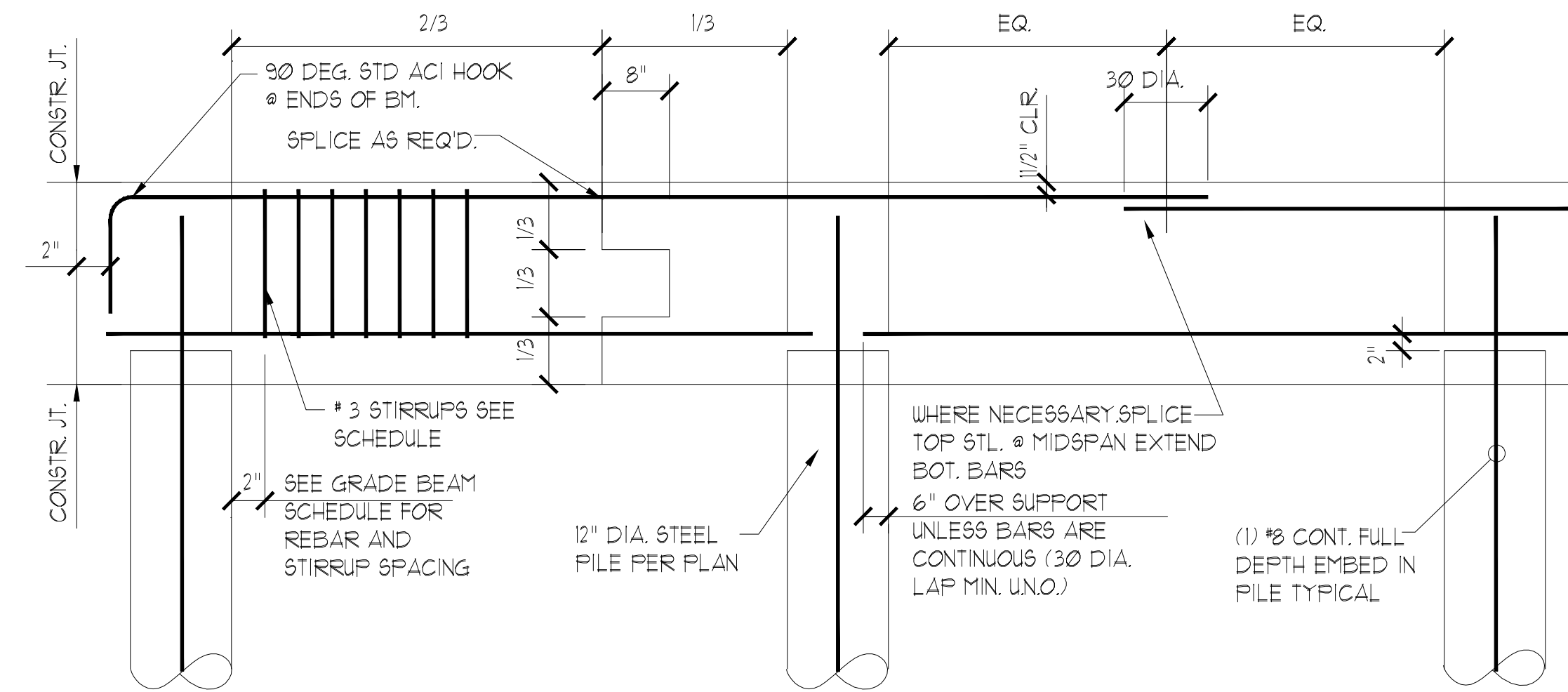
CORNER BAR DETAIL AT FOUNDATION

1

CONCRETE COLUMN LAP SCHEDULE		
4000 PSI NORMAL WGT. CONC.		
BAR SIZE	COMPRESSION LAP	TENSION LAP
#5 BAR	25"	32"
#6 BAR	30"	38"
#7 BAR	35"	54"
#8 BAR	40"	62"
#9 BAR	45"	70"
#10 BAR	50"	80"
#11 BAR	55"	88"

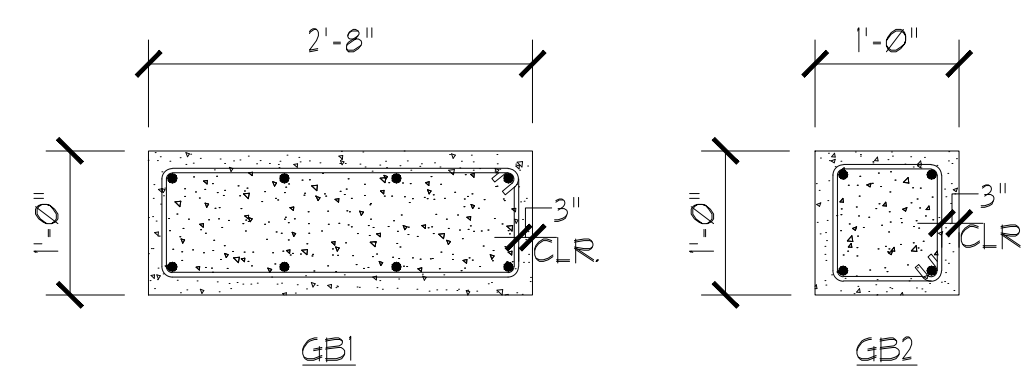
CONCRETE COLUMN LAP SCHEDULE

2



GRADE BEAM REINFORCING

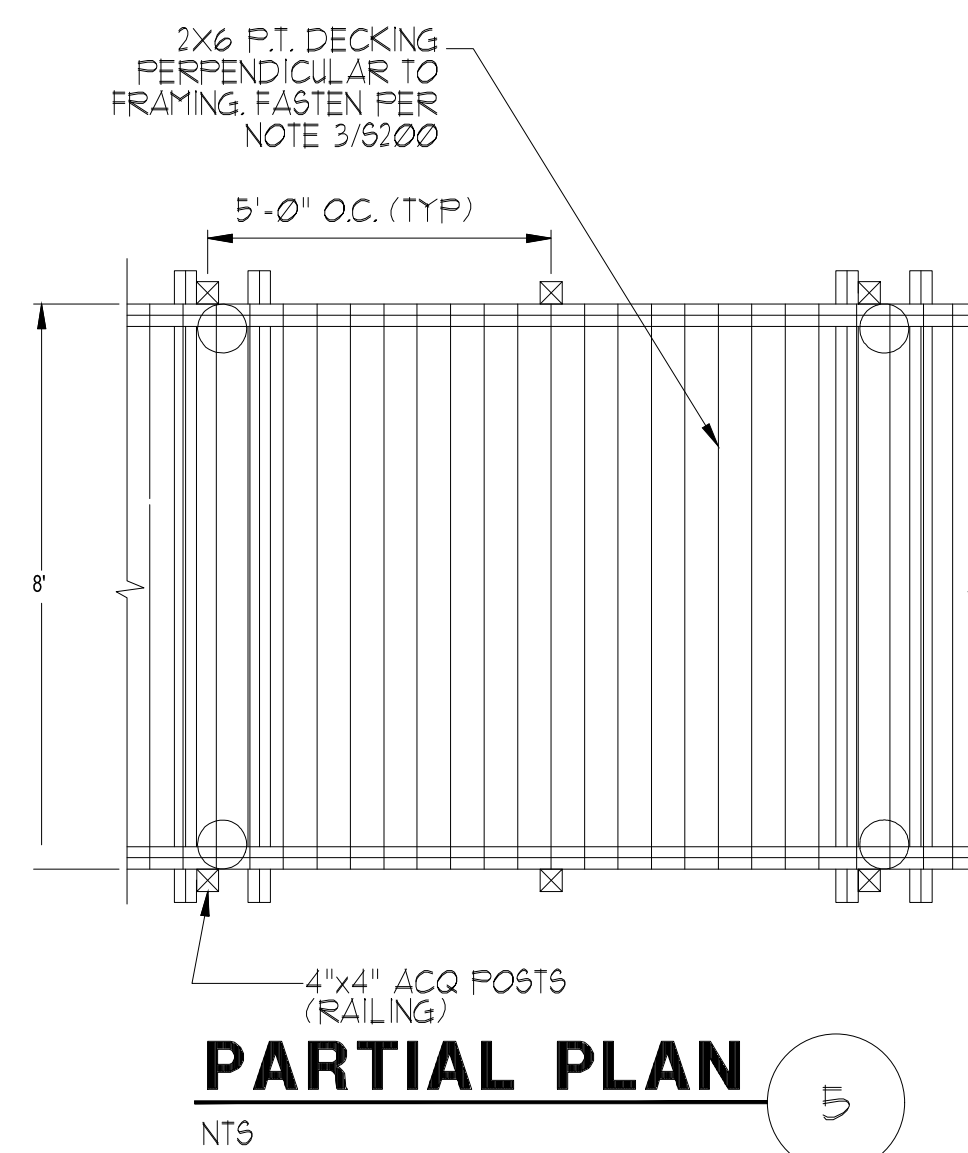
3



GRADE BEAM LEGEND		
MARK	DIMENSION	REINFORCING
GB1	12"D. x 32"W.	(4) #5 T.4B. & #3 STIRRUPS @ 12" O.C.
GB2	12"D. x 12"W.	(2) #5 T.4B. & #3 STIRRUPS @ 12" O.C.

GRADE BEAM

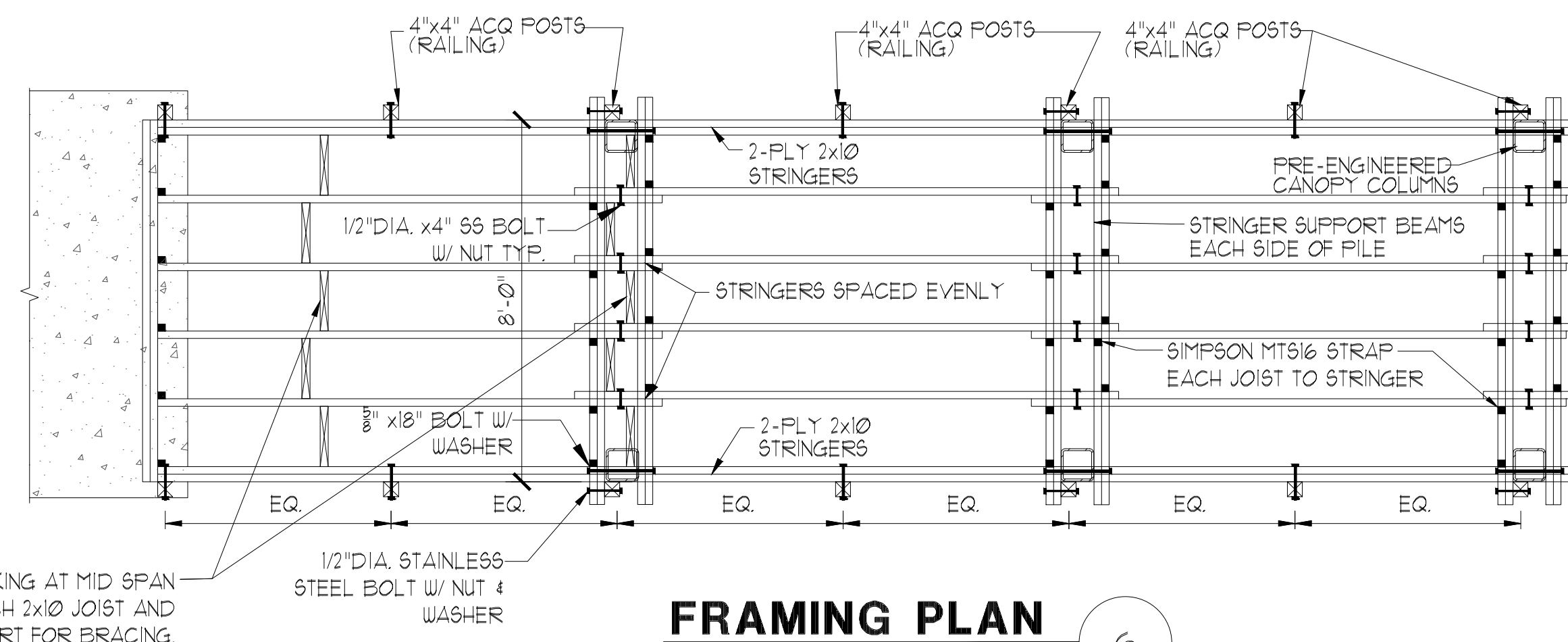
4



PARTIAL PLAN

5

INSTALL 2x BLOCKING AT MID SPAN OVER EACH 2x10 JOIST AND OVER EACH SUPPORT FOR BRACING.



FRAMING PLAN

6



5755 Rio Vista Drive
Clearwater, FL 33760-3137
1727/305-1251
Florida Coa 7819
James Vincent Barnes III, P.E.
Florida P.E. 77754
Pennoni Project No. WPHRN20001

SEAL

This form has been electronically signed and sealed by James V. Barnes PE Florida P.E. 77754. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

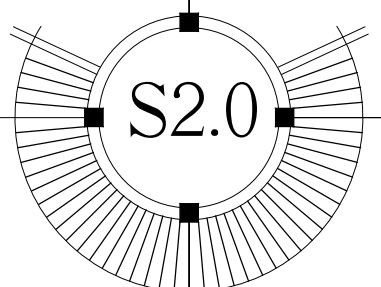


DATE
01-28-2022 - BID SET

REVISIONS

DRAWN BY
SV

PROJECT NUMBER
2105





5755 Rio Vista Drive
Clearwater, FL 33760-3137
(727) 535-1251
Florida Coa 7819
James Vincent Barnes III, P.E.
Florida P.E. 77754
Pennoni Project No. WPHRN20001

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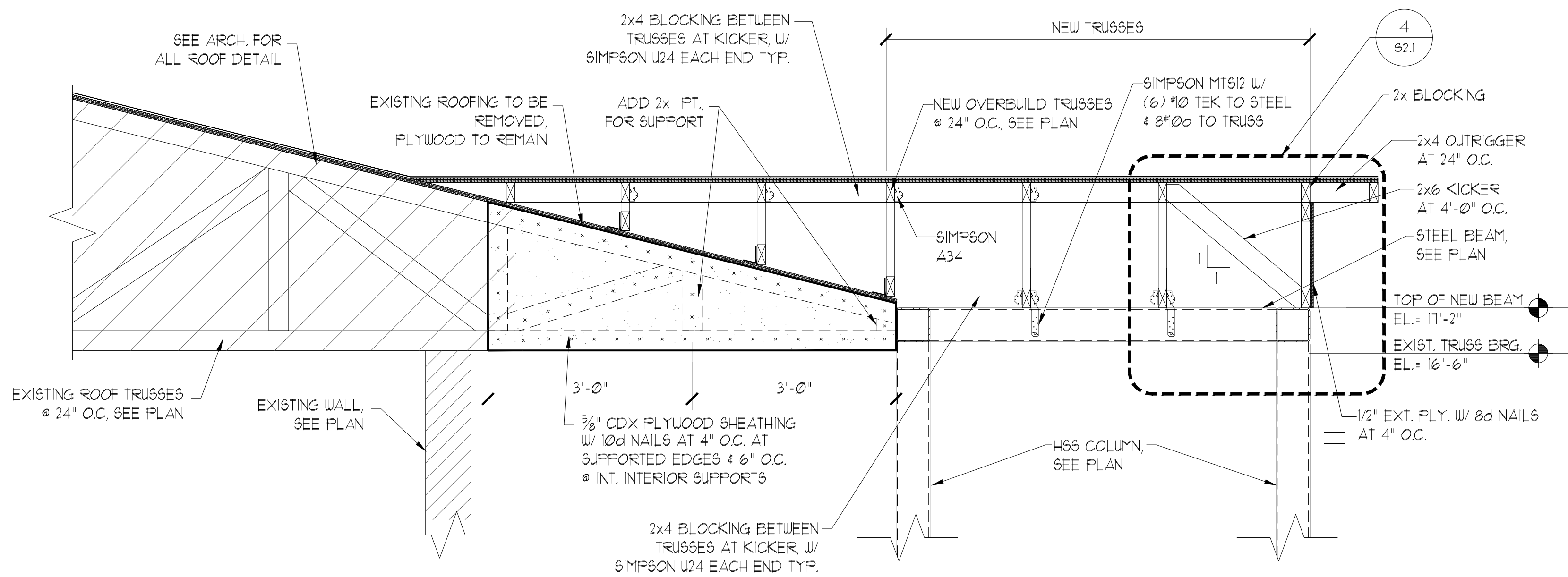


DATE
01-28-2022 - BID SET

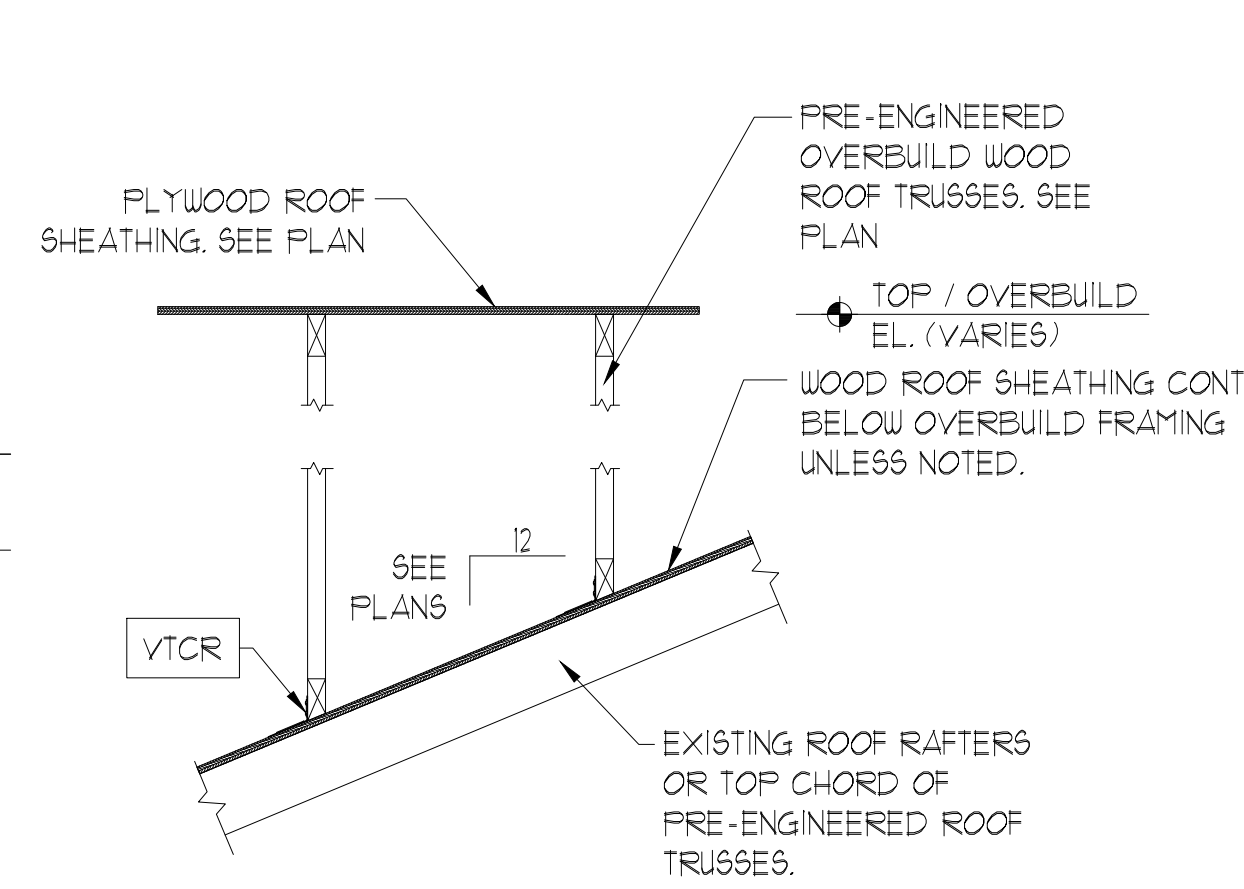
REVISIONS

DRAWN BY
SV

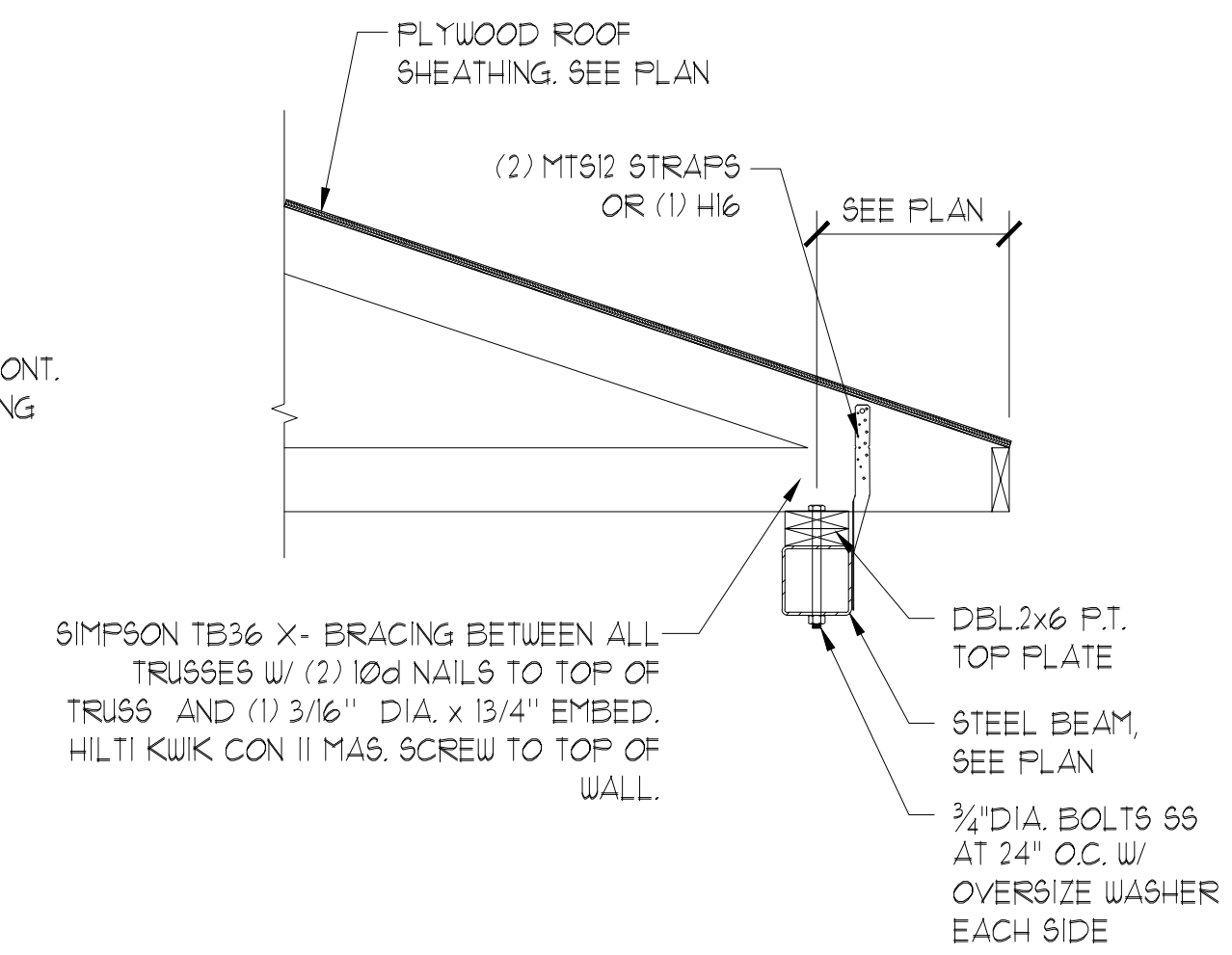
PROJECT NUMBER
2105



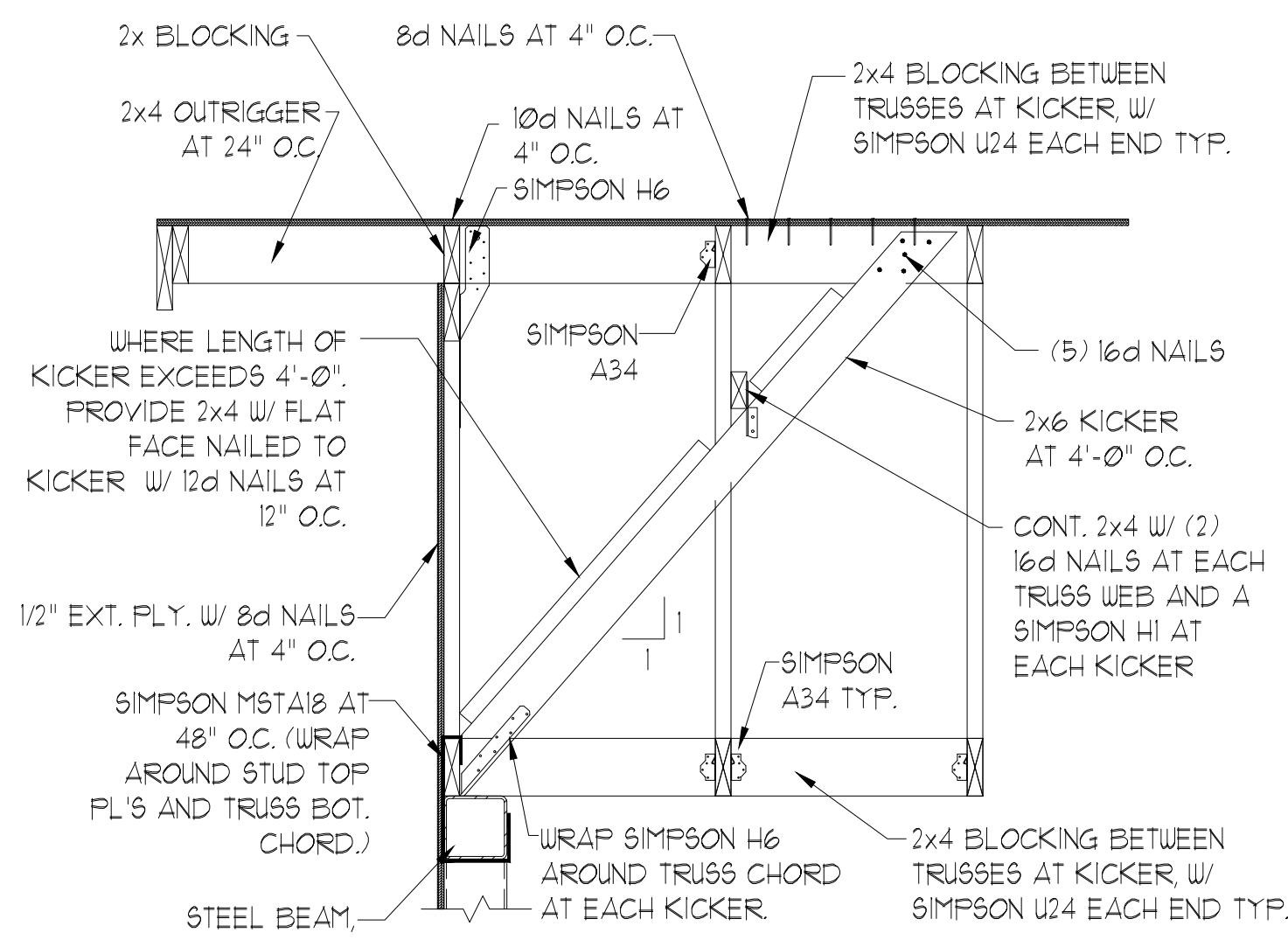
MODIFIED TRUSS SECTION



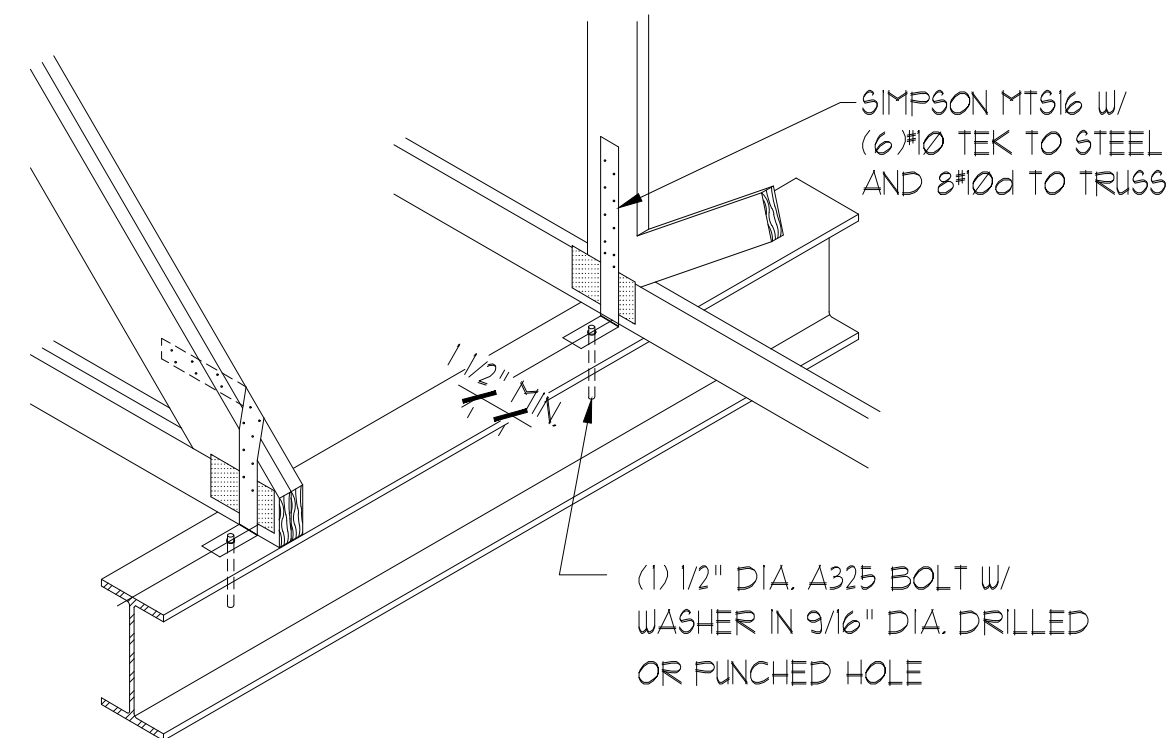
OVER BUILT TRUSS CONNECTION



TRUSS BEARING

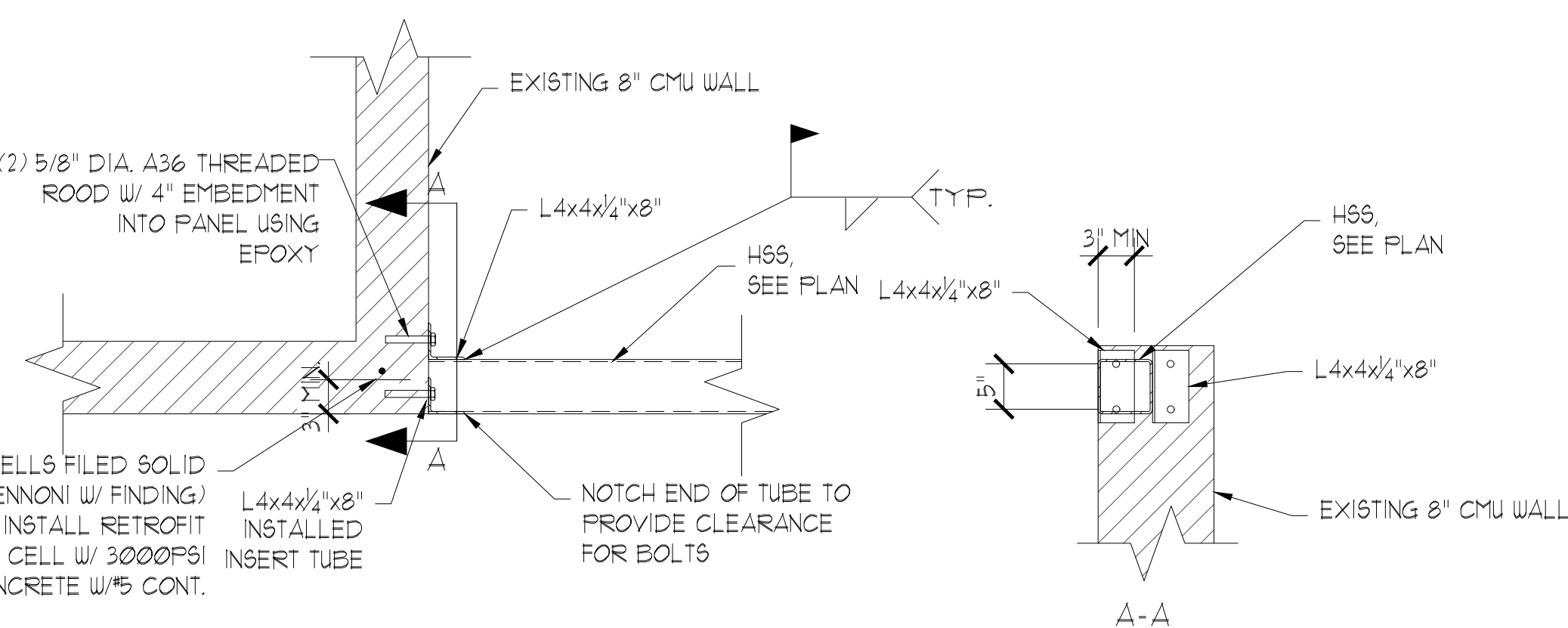


TYPICAL SECTION AT GABLE END TRUSSES

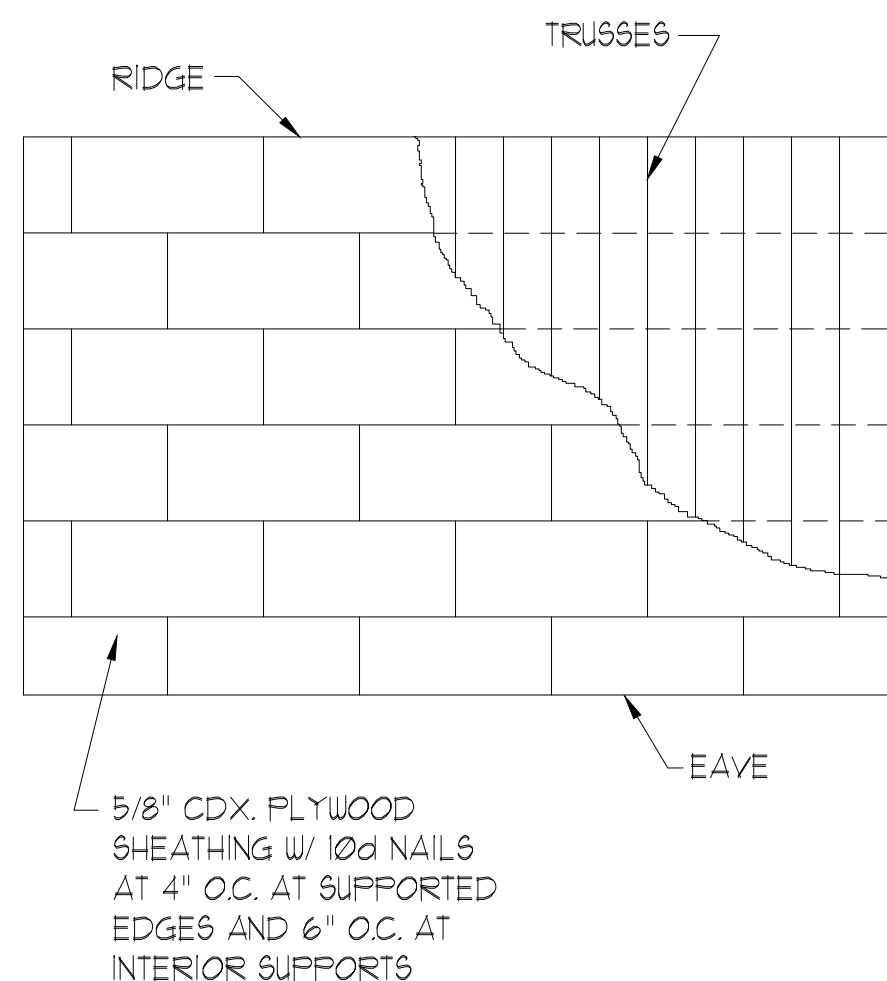


TYPICAL TRUSS-TO-STEEL CONNECTION (ALTERNATE)

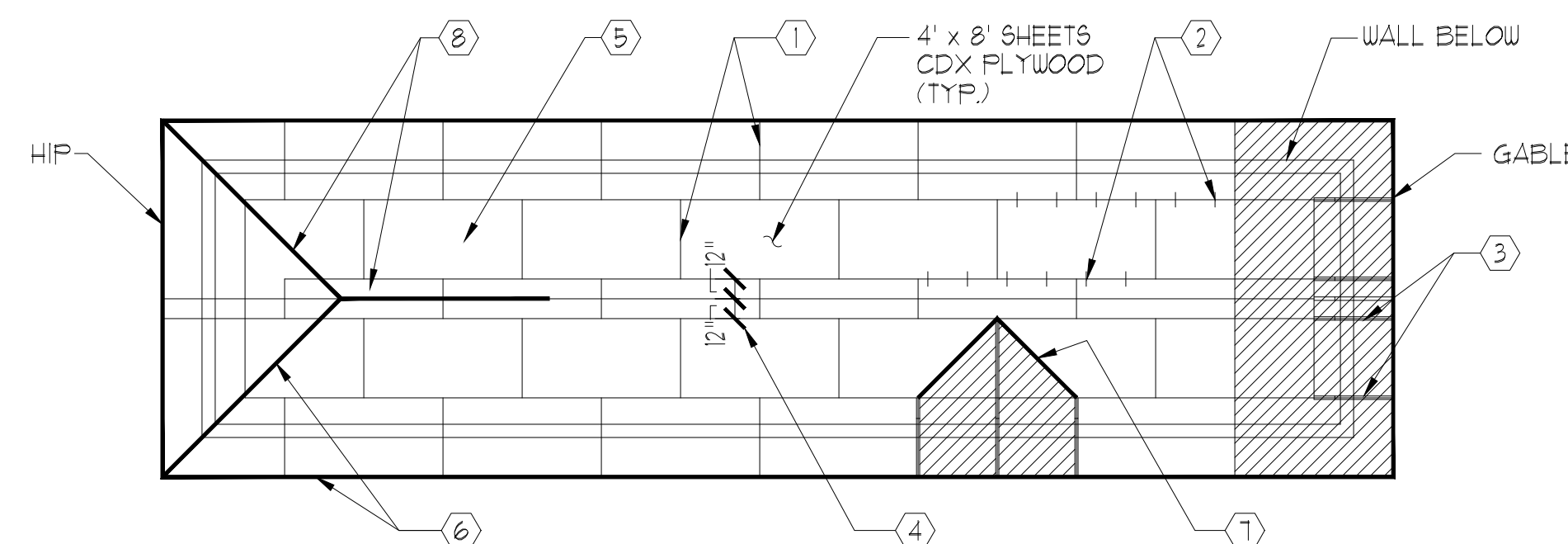
SCALE: 1/2" = 1'-0"



CONNECTION DETAIL AT SOUTH ELEVATION ENTRANCE STOREFRONT



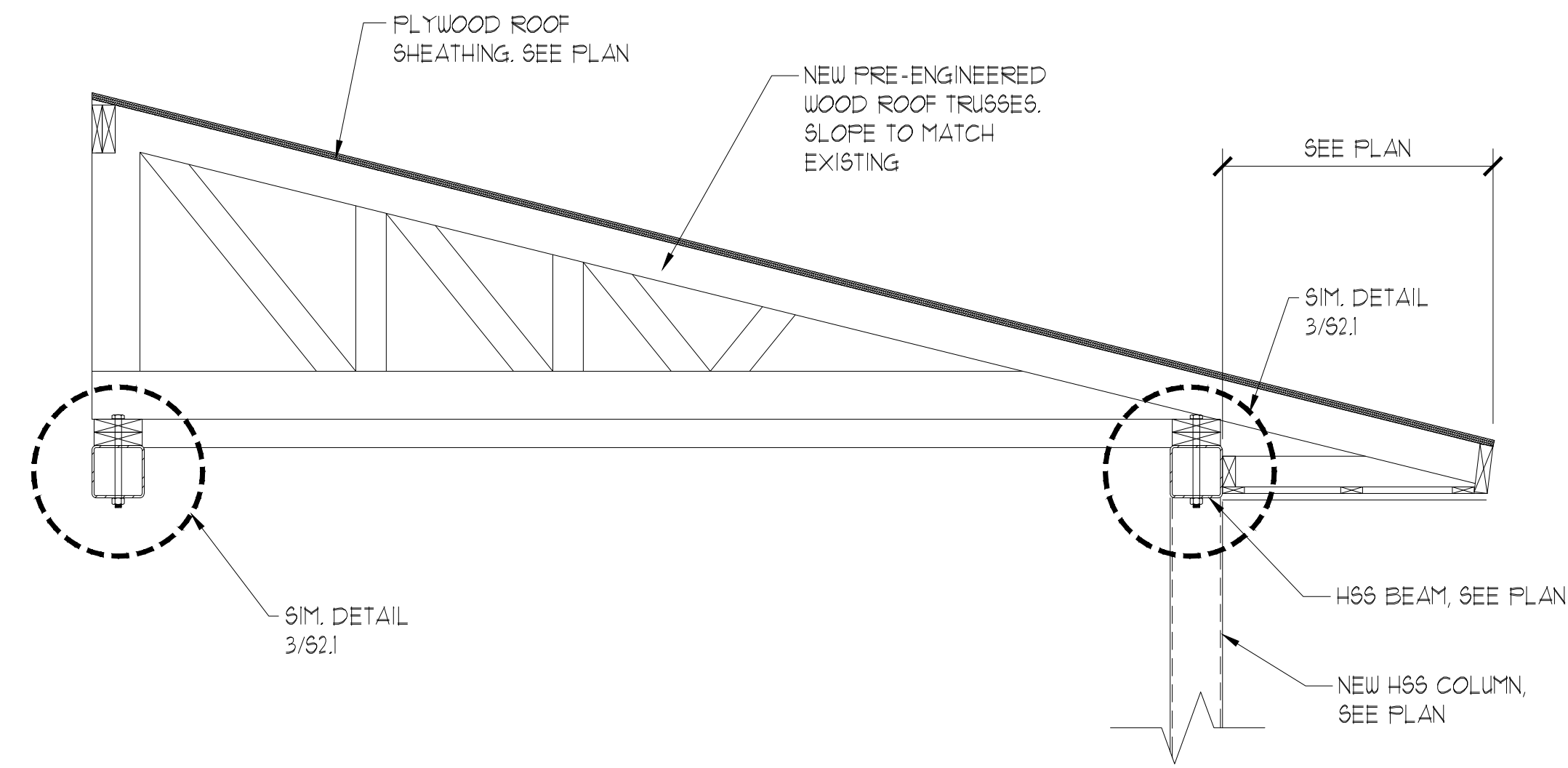
PLYWOOD ROOF DIAPHRAGM



- ① STAGGER END JOINTS AT FRAMING MEMBER
- ② PROVIDE A HURRICANE CLIP AT EACH JOINT, BETWEEN EACH FRAMING MEMBER
- ③ 2x4 BLOCKING AT EACH JOINT, IN END ZONE
- ④ MINIMUM PLYWOOD WIDTH 12". SEE ARCHITECT FOR RIDGE VENTS 1/2" OR LESS PLYWOOD - 8d COMMONS AT 4" O.C. EDGES 6" O.C. INTERMEDIATE
- ⑤ 5/8" OR GREATER PLYWOOD - 10d COMMONS AT 4" O.C. EDGES 6" O.C. INTERMEDIATE
- ⑥ NAILING 6" O.C. AT HIP'S AND SUBFASCIA W/ 8d COMMON.
- ⑦ NAILING 3" O.C. AT VALLEYS W/ 8d COMMON.
- ⑧ PROVIDE BEVELED WOOD SHIMS FOR PLYWOOD BEARING.
- ⑨ WHERE MEAN ROOF HEIGHT EXCEEDS 25'-0", USE RING SHANK NAILS.

ROOF DIAGRAM NAILING SCHEDULE

SCALE: 1/8" = 1'-0"



TRUSS SECTION

