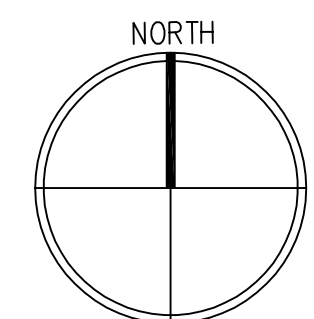


## STAIR FRAMING PLAN

SCALE 1/4" = 1'-0"

### STAIR FRAMING PLAN NOTES

1. PLANS SHOULD BE REVIEWED BY ALL SUBCONTRACTORS PRIOR TO STARTING CONSTRUCTION. IF DISCREPANCIES EXIST PLEASE CONTACT STONEY POINT ENGINEERING OR OWNER/CONTRACTOR.
2. WRITTEN DIMENSIONS TAKE PRECEDENT OVER SCALED DIMENSIONS.
3. ALL FOOTINGS TO HAVE A MINIMUM DEPTH OF 12" BELOW FINISH GRADE.
4. ALL CONCRETE FOOTINGS TO REST ON FIRM UNDISTURBED EARTH WITH MINIMUM 1500 PSF BEARING PRESSURE.
5. CONCRETE COMPRESSIVE STRENGTH F'C = 3,000 PSI, GRADE 40 REINFORCEMENT.
6. ALL WOOD IN CONTACT WITH CONCRETE, MASONRY, EARTH, OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED.
7. VERIFY ALL DIMENSIONS AND FIELD CONDITIONS.
8. PROVIDE TEMPORARY BRACING AS REQUIRED UNTIL ALL PERMANENT CONNECTIONS AND STIFFENINGS HAVE BEEN INSTALLED.
9. CONCRETE PROTECTION FOR REINFORCEMENT:
  - a. 3" CAST AGAINST EARTH.
  - b. 1 1/2" EXPOSED TO EARTH OR WEATHER.
  - c. 3/4" NOT EXPOSED TO EARTH OR WEATHER.
10. METAL FRAMING CONNECTORS SPECIFIED ARE MANUFACTURED BY THE SIMPSON COMPANY. SEE LATEST CATALOG EDITION. INSTALL PER SPECS. USE ONLY EQUIVALENT SUBSTITUTIONS.
11. ALL METAL CONNECTORS SUPPORTED BY PRESSURE TREATED MATERIAL SHALL BE "ZMAX" (G185 HDG PER ASTM A653) OR EQUIVALENT AND FASTENERS SHALL BE PER ASTM A153.



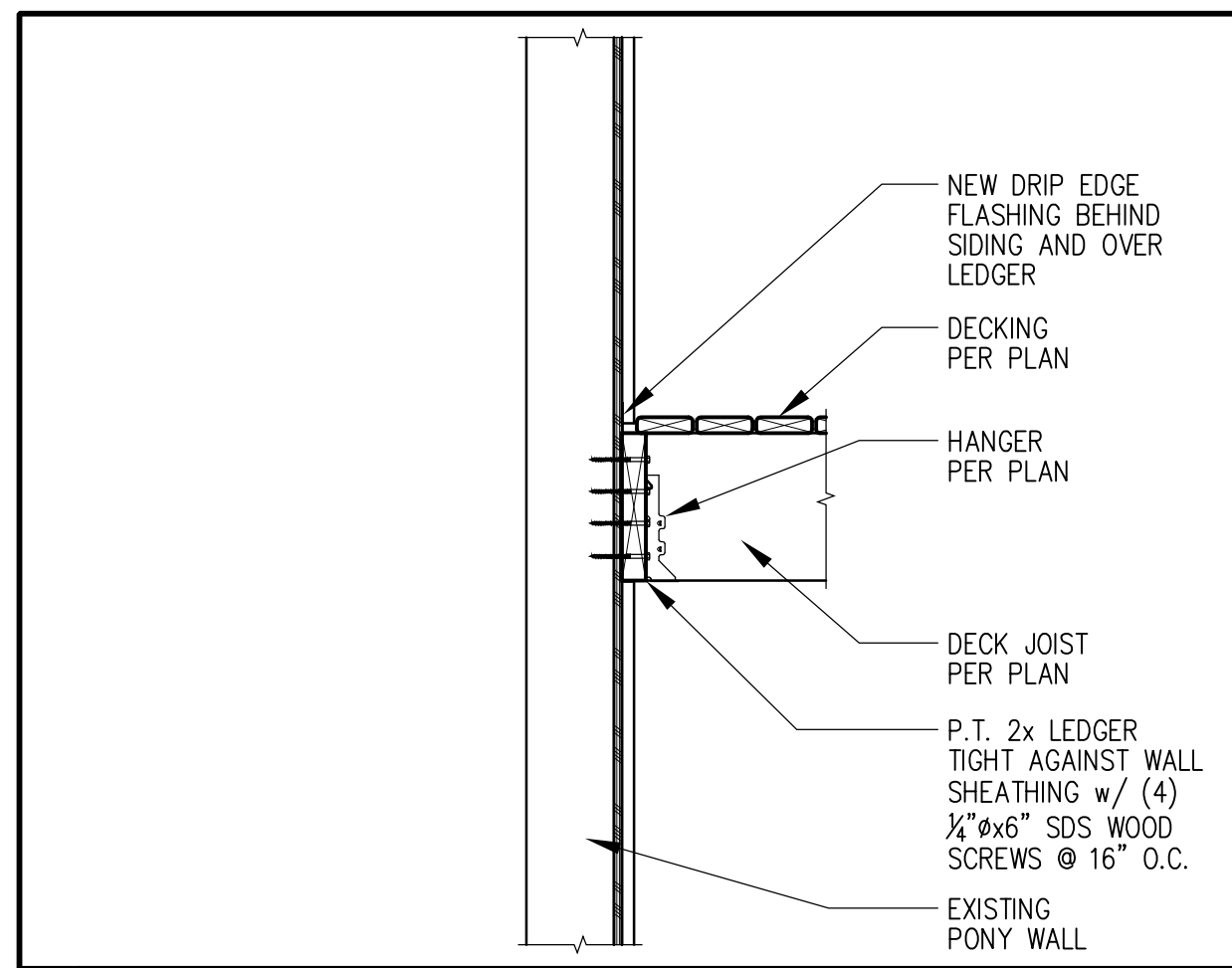
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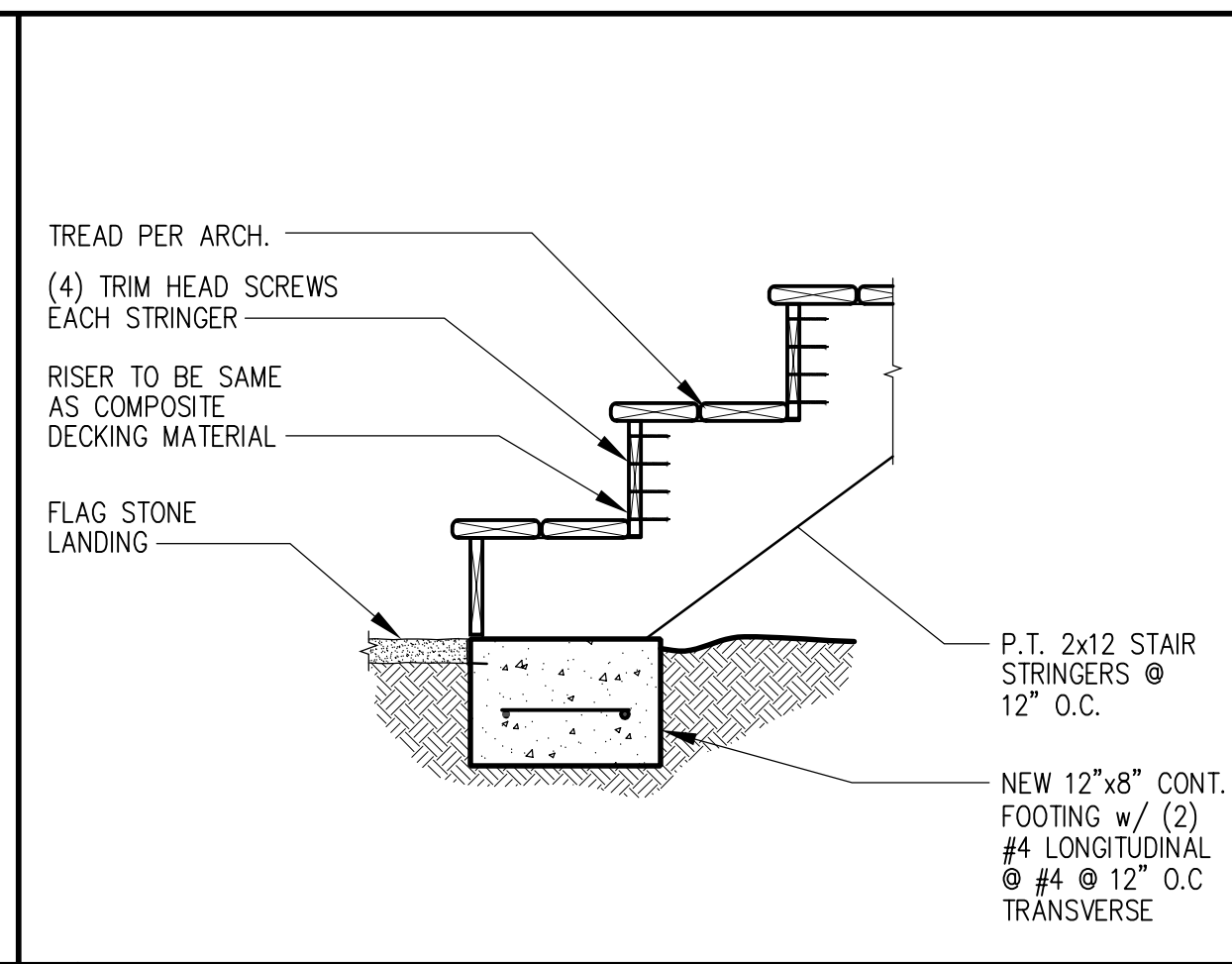
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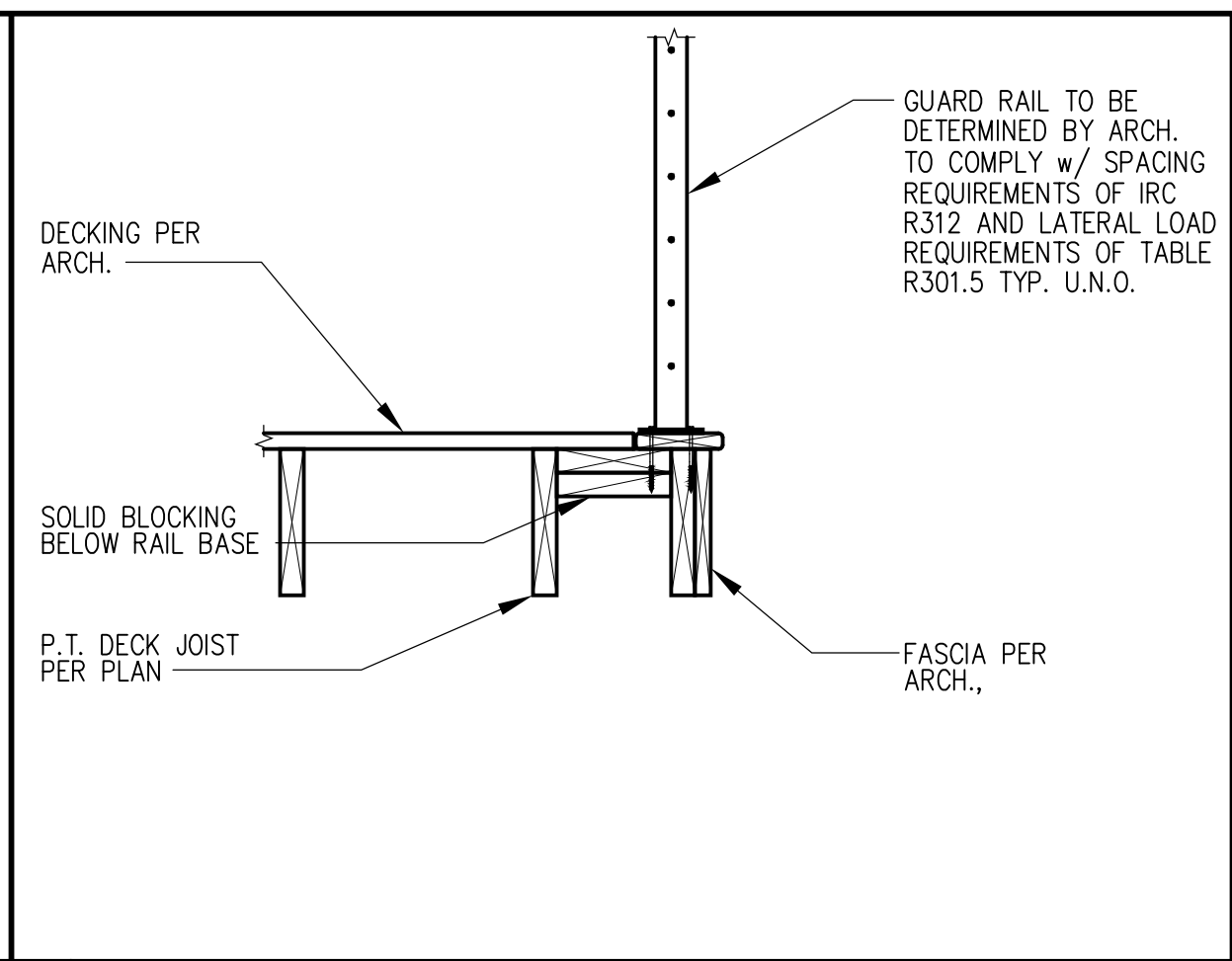
**S1.0**  
 STAIR FRAMING PLAN



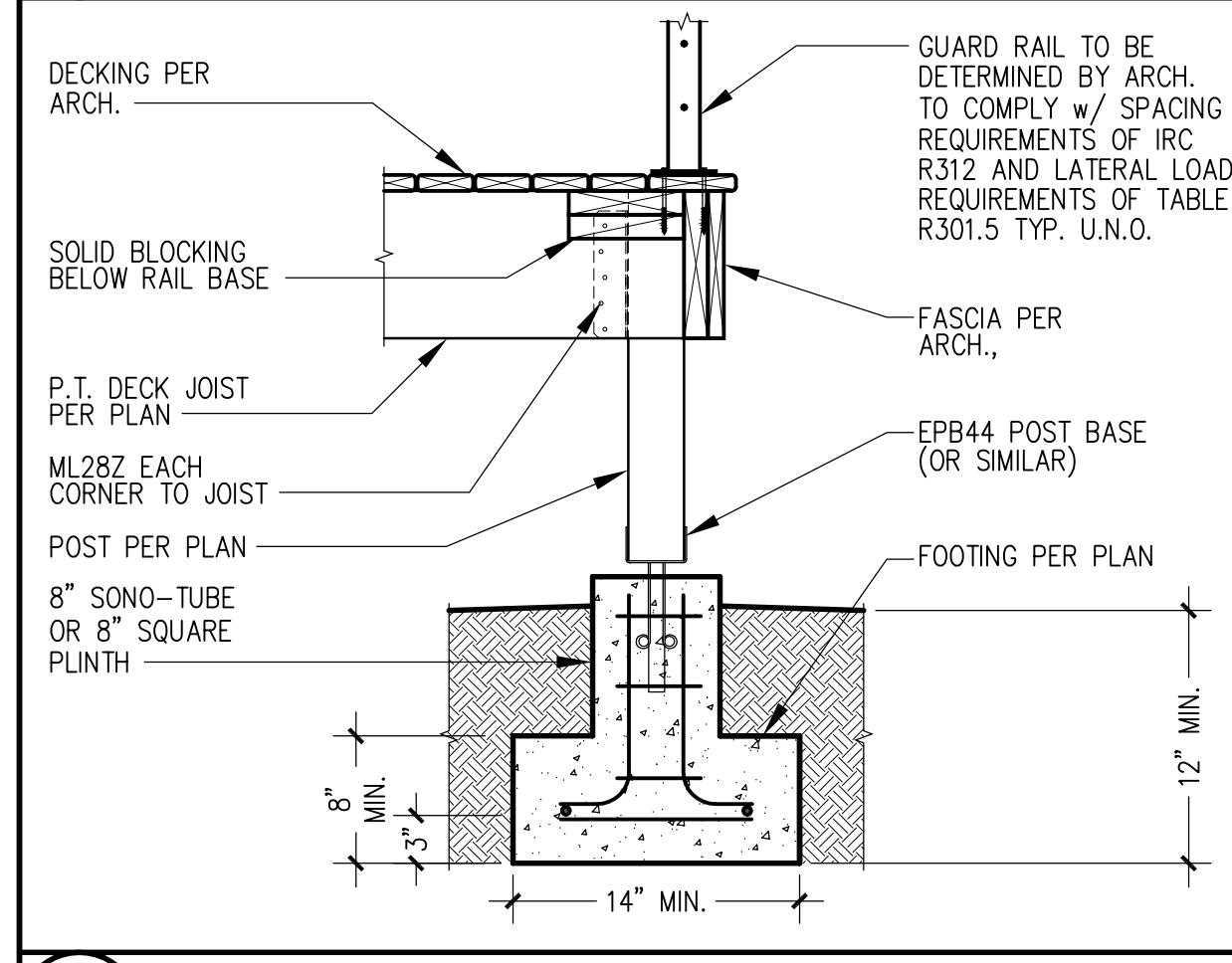
1 DECK LEDGER @ CRAWLSPACE PONY WALL



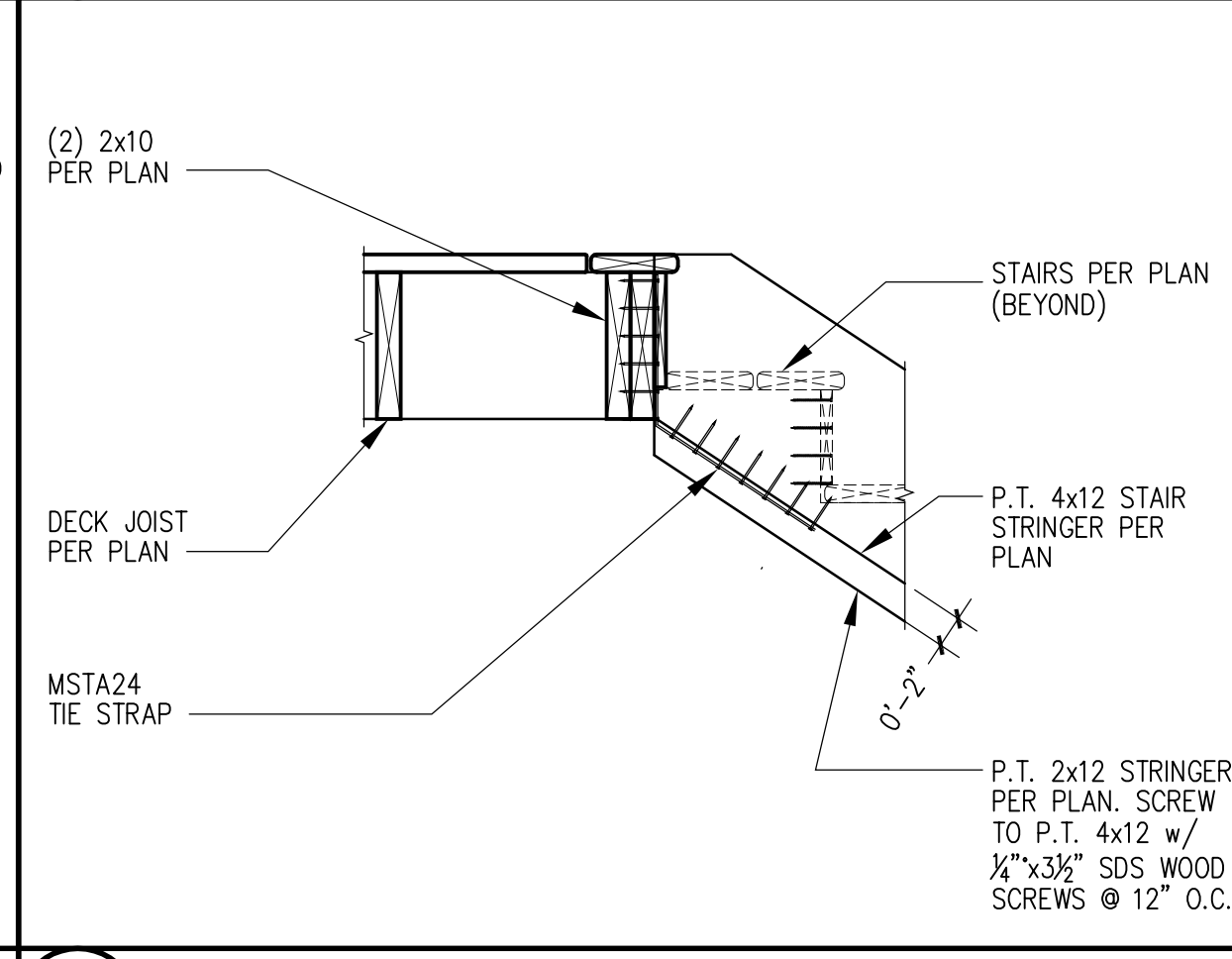
2 STAIR STRINGERS @ NEW FOOTING



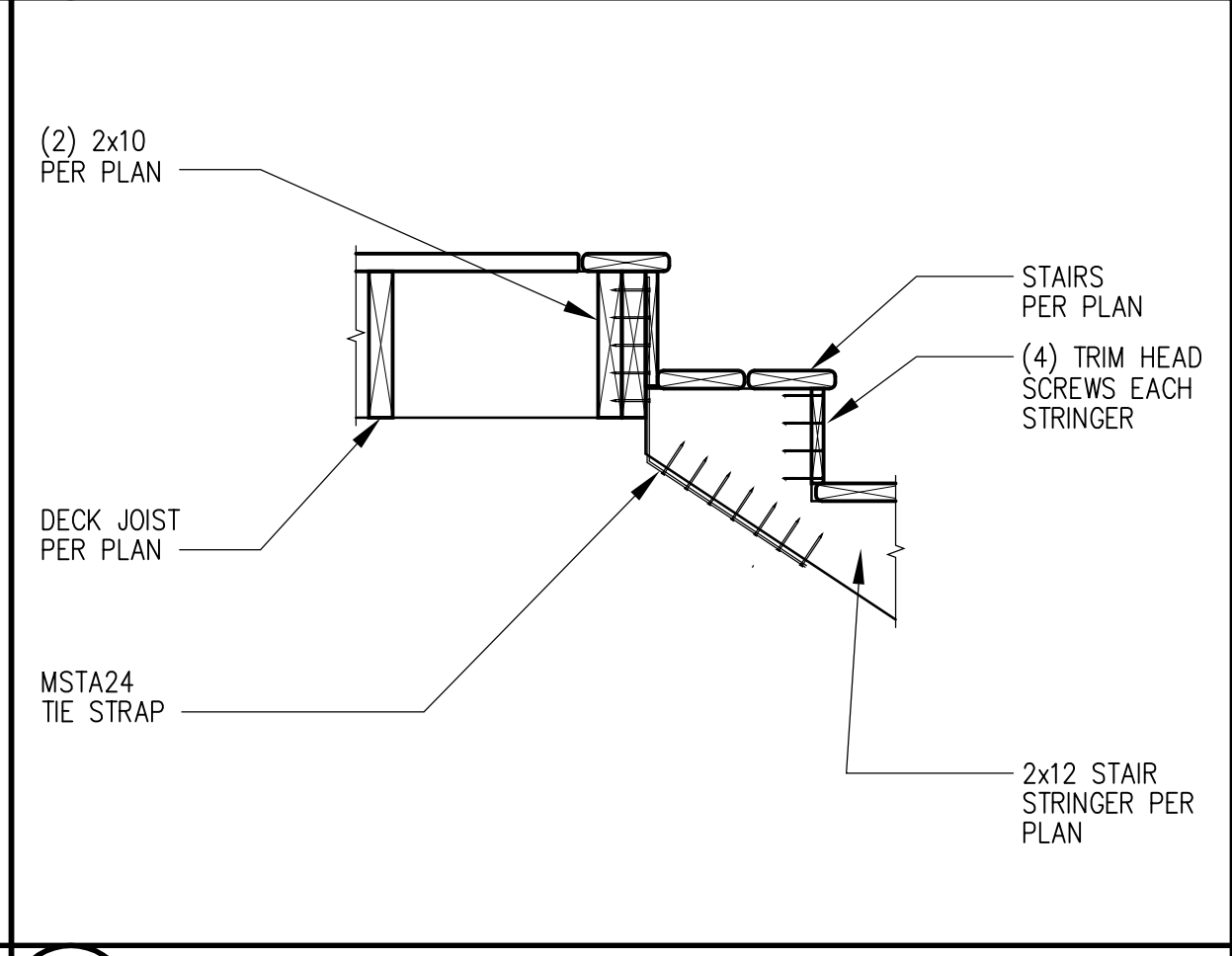
3 TYPICAL DECK RAIL (PARALLEL JOIST)



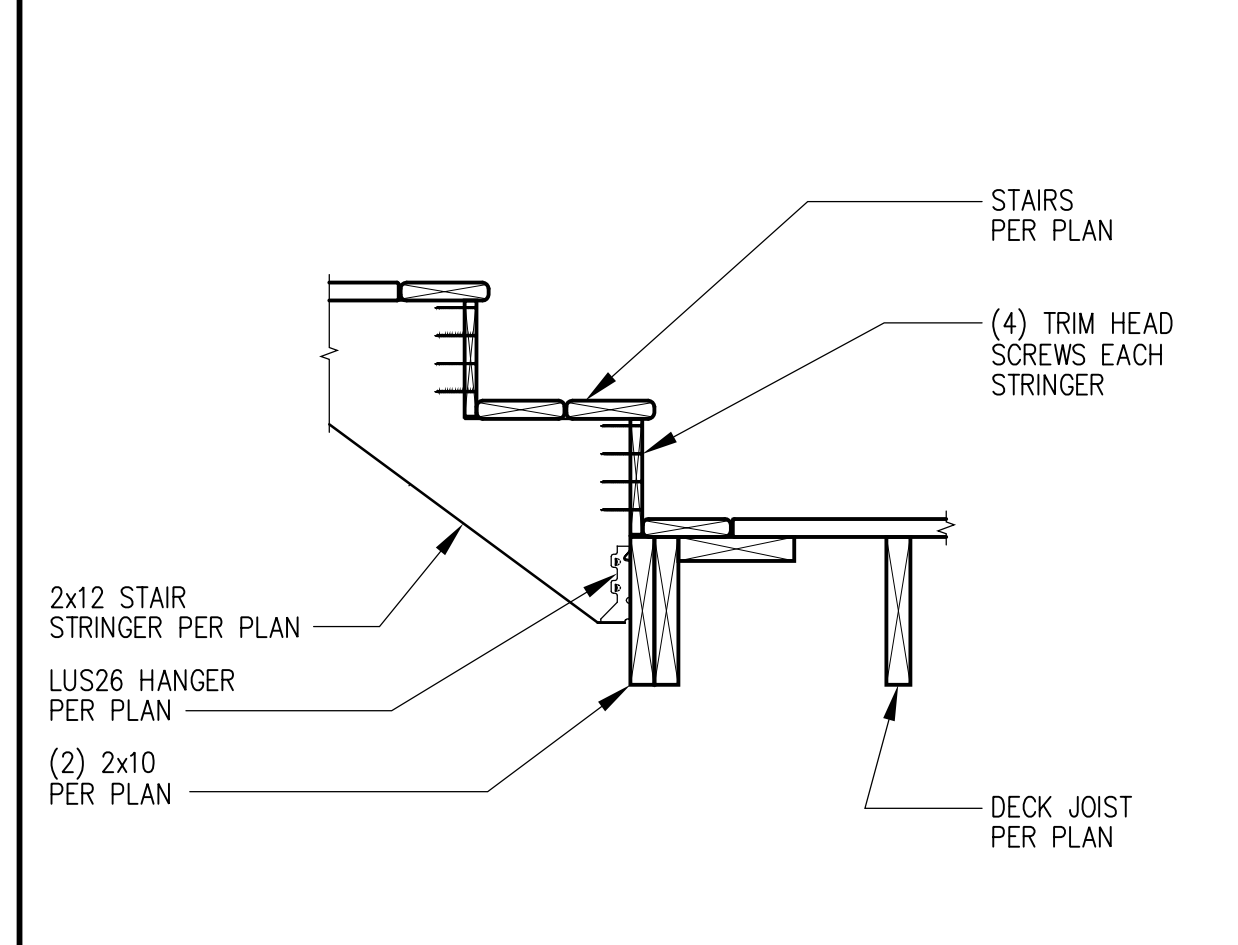
4 TYPICAL DECK POST (PERPENDICULAR JOIST)



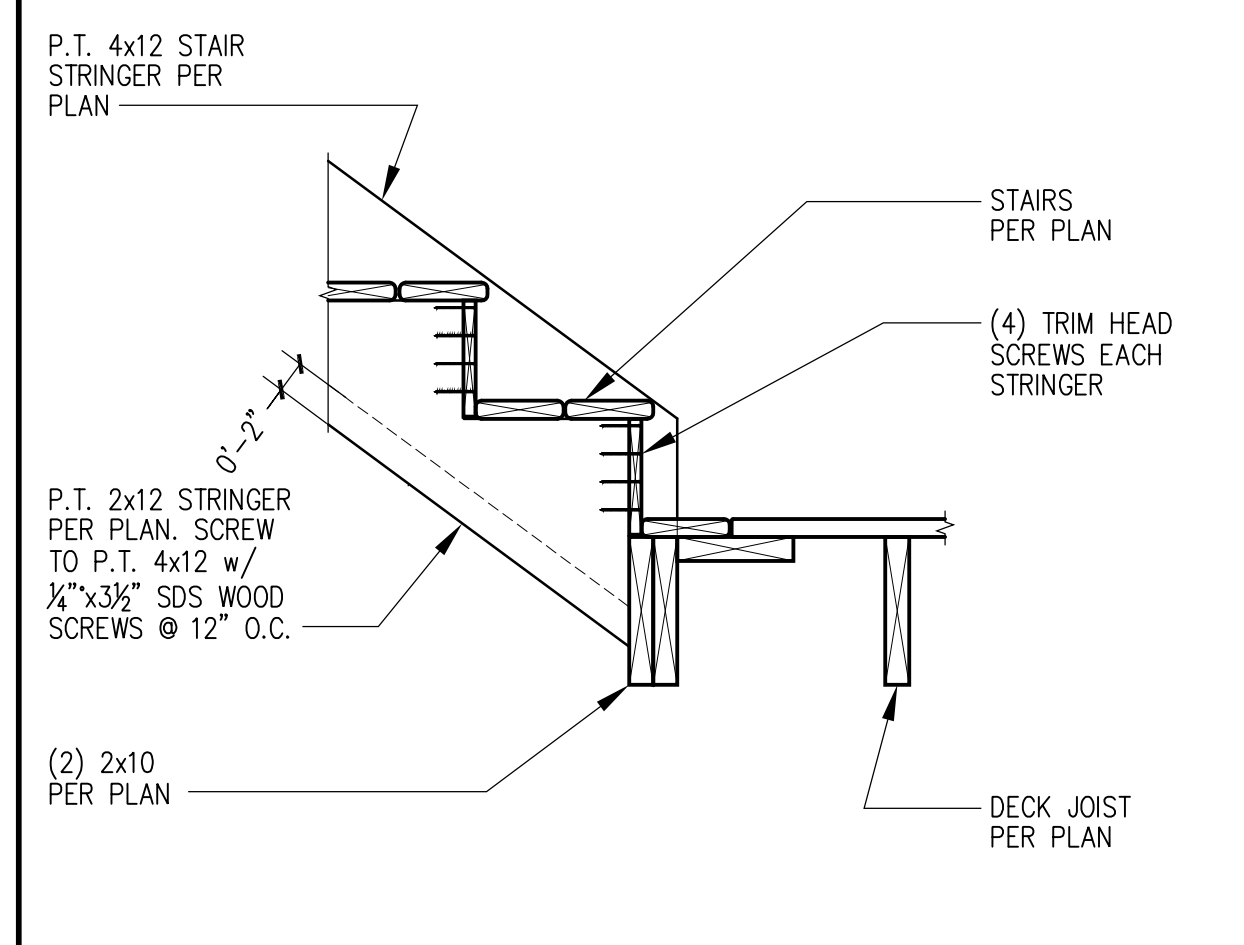
5 STAIR STRINGER FRAMING (TYPICAL 4x12 STRINGER @ TOP OF STAIRS)



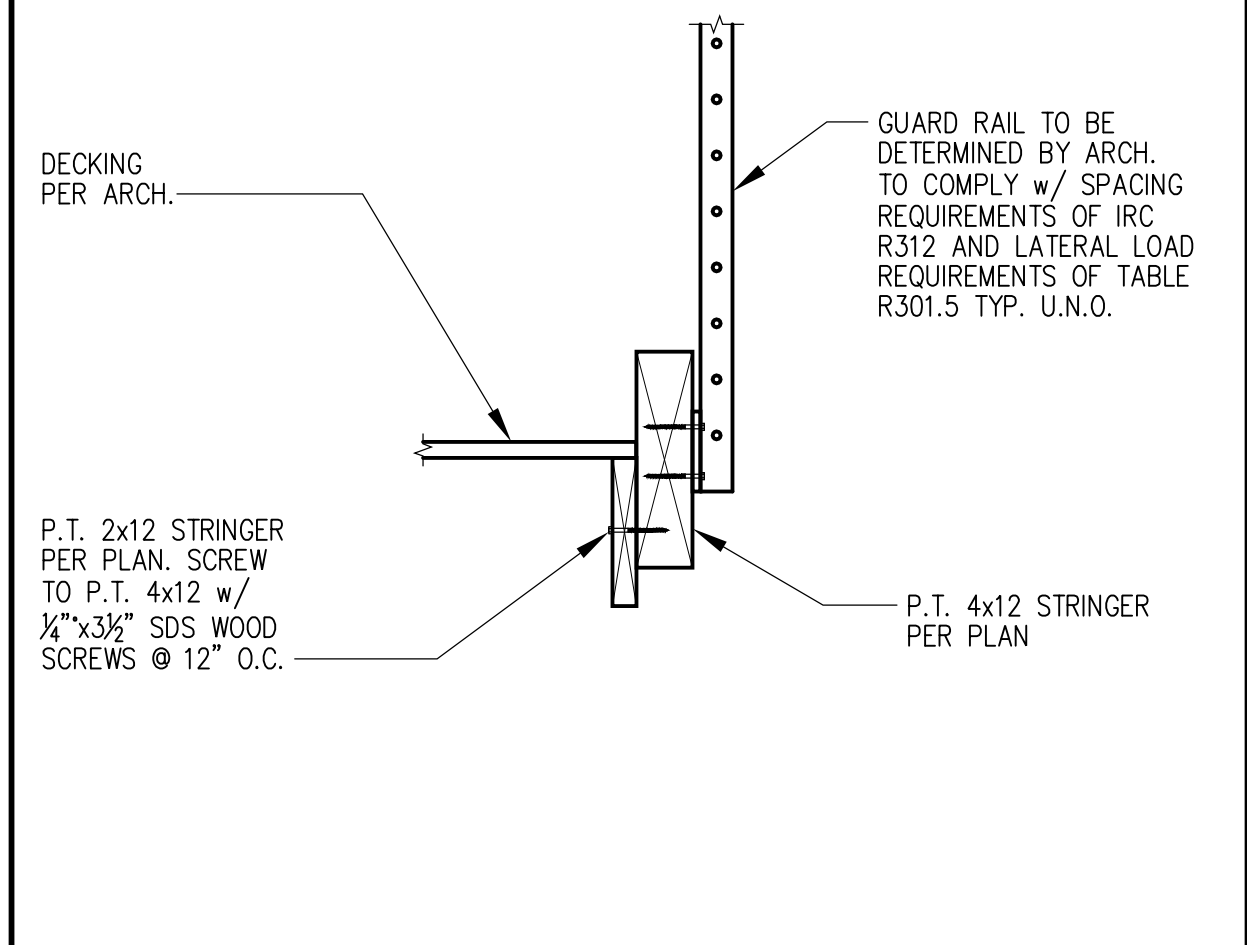
6 STAIR STRINGER FRAMING (TYPICAL 2x12 STRINGER @ TOP OF STAIRS)



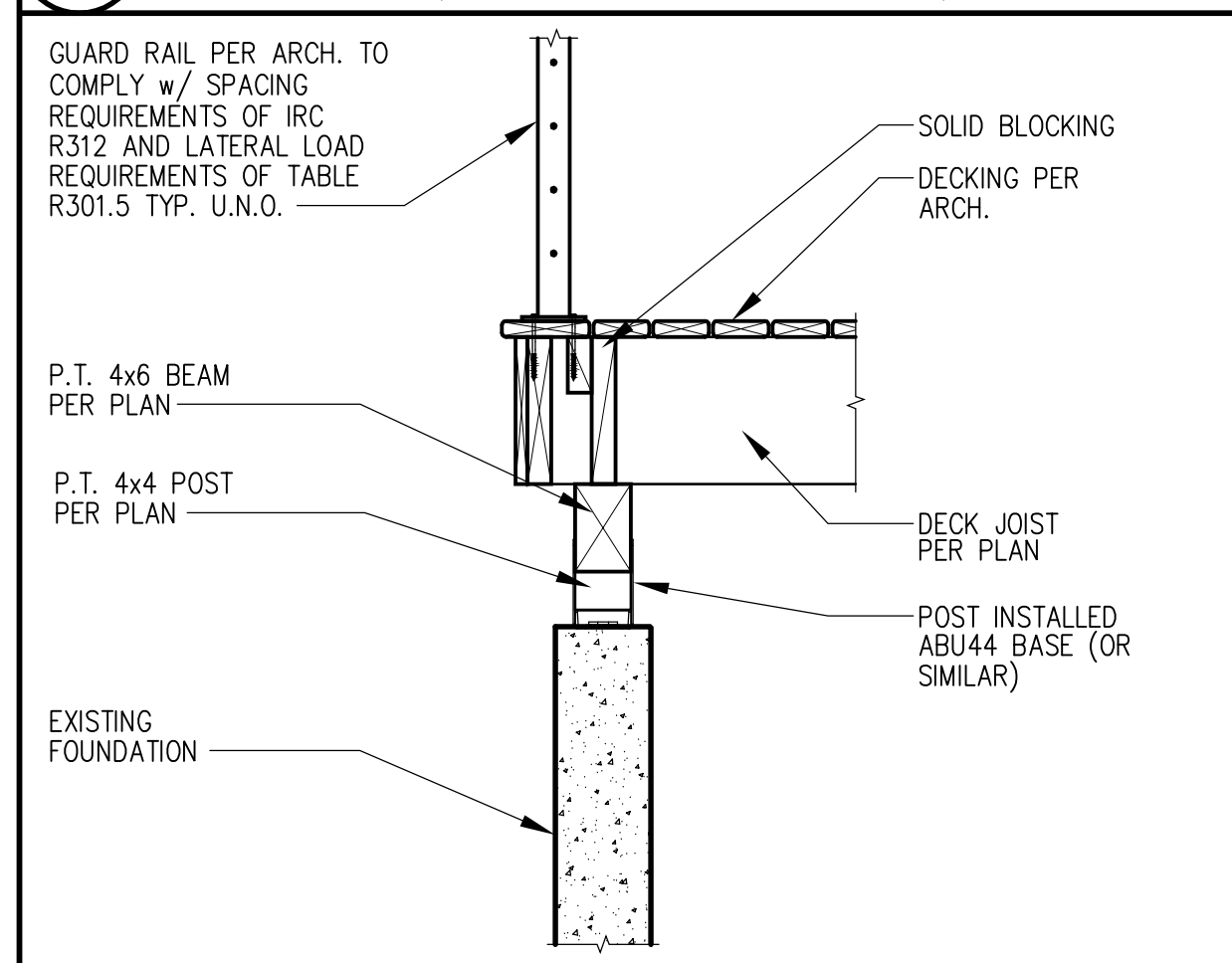
7 STAIR STRINGER FRAMING (TYPICAL 2x12 STRINGER @ MID LANDING)



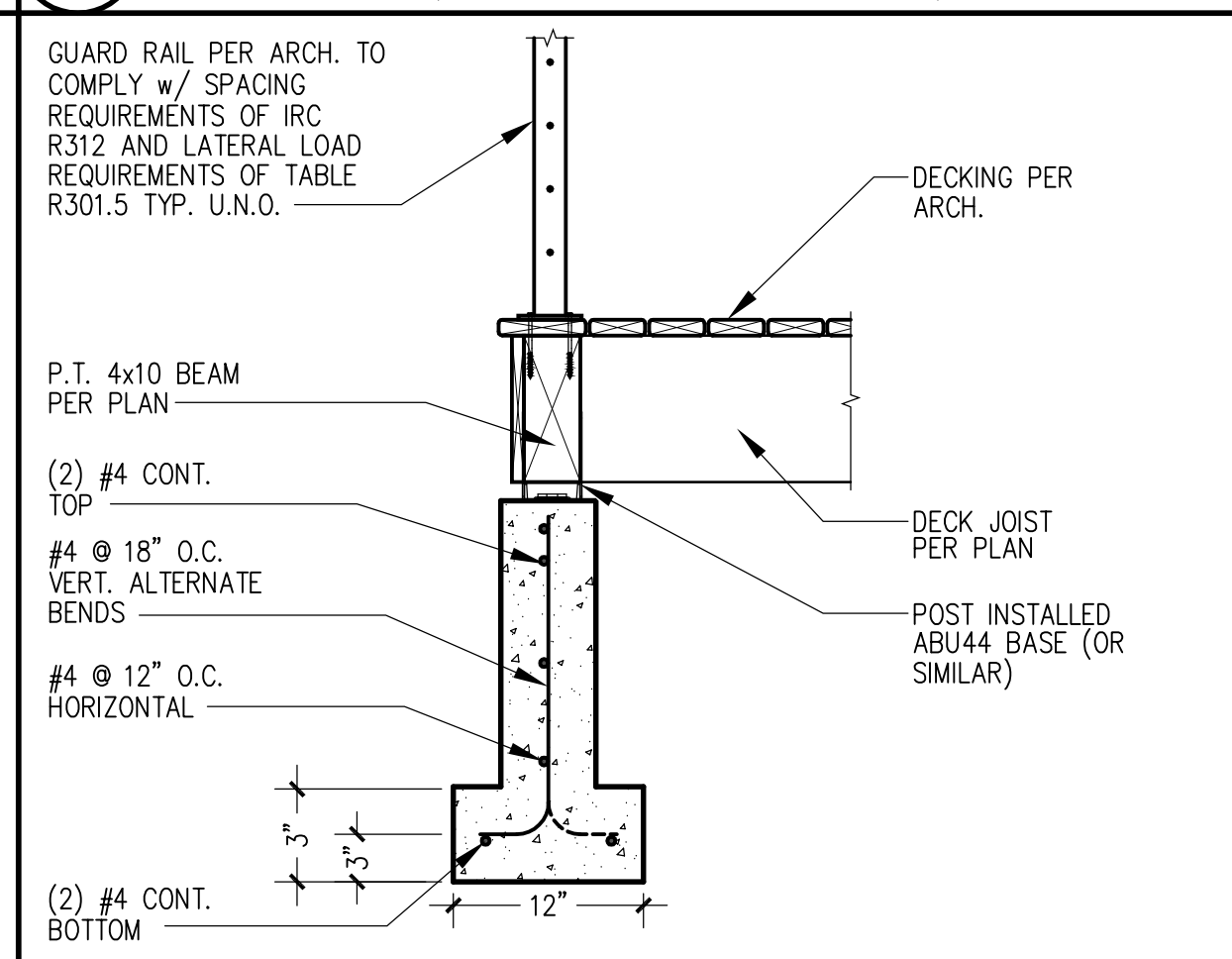
8 STAIR STRINGER FRAMING (TYPICAL 4x12 STRINGER @ MID LANDING)



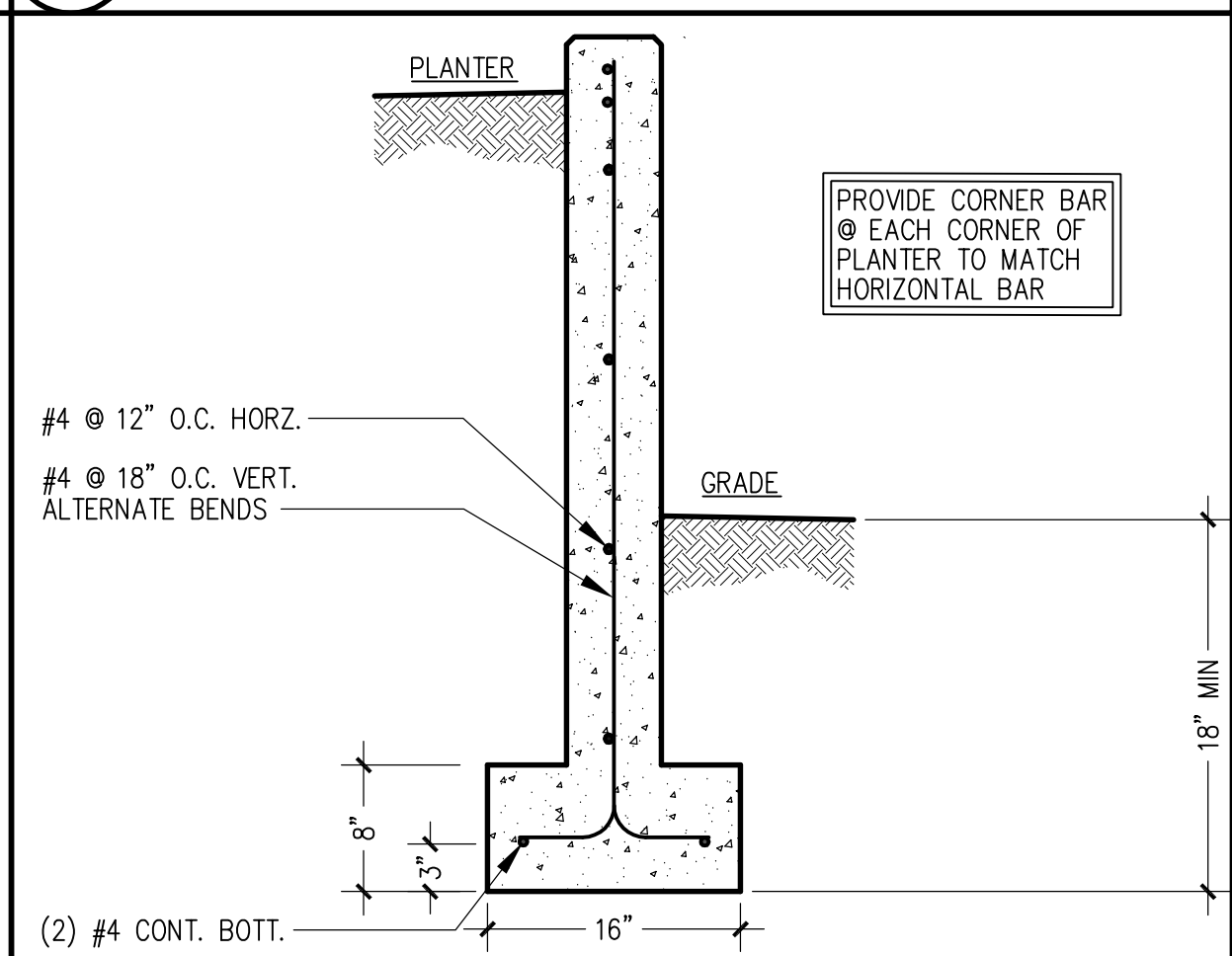
9 DECK RAIL CONNECTION



10 NEW DECK BEAM @ EXISTING FOUNDATION



11 DECK BEAM @ NEW FOUNDATION



12 TYPICAL PLANTER WALL

STRUCTURAL NOTES

CODE: DESIGN IS IN ACCORDANCE WITH THE 2021 INTERNATIONAL BUILDING CODE (I.B.C.) AS AMENDED BY THE LOCAL BUILDING DEPARTMENT.

LIVE LOADS:  
 ROOF..... 25 PSF  
 FLOOR..... 40 PSF  
 DECKS..... 60 PSF

DEAD LOADS:  
 ROOF..... 15 PSF  
 FLOOR..... 15 PSF  
 DECKS..... 10 PSF

LATERAL:  
 WIND..... BASIC WIND SPEED, 110 MPH (ASCE 7-16 Ch. 26-27) EXPOSURE CATEGORY, C (DIRECTIONAL PROCEDURE)  $K_{zt} = 1.00$

SEISMIC.....  $S_s = 144.0$  (ASCE 7-16 Ch. 12.14)  $S_{ps} = 115.2$  (SIMPLIFIED METHOD) SEISMIC DESIGN CATEGORY, D SITE CLASS, D SITE COEFFICIENT,  $F_a = 1.2$

FOUNDATIONS:  
 ASSUMED BEARING CAPACITY OF 1500PSF. ALL EXTERIOR FOOTINGS SHALL EXTEND A MINIMUM OF 1'-0" BELOW ADJACENT EXTERIOR FINISHED GRADE.

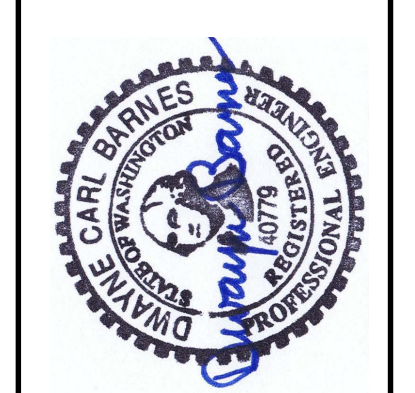
CAST-IN-PLACE CONCRETE:  
 $F'_c = 3000$  PSI @ 28 DAYS; MINIMUM 5 1/2 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE AND A MAXIMUM OF 6 3/4 GALLONS OF WATER PER 94 SACK OF CEMENT.  $F'_m = 3000$  PSI IS USED FOR EXPOSURE PURPOSES ONLY. MAXIMUM SIZED AGGREGATE IS 1" MAXIMUM SLUMP IS 4". ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE. ALL REINFORCED STEEL DOWELS, ANCHOR BOLTS AND OTHER INSERTS SHALL BE SECURED IN POSITION PRIOR TO POURING CONCRETE. ANCHOR BOLTS FOR SILL PLATES TO FOUNDATION WALLS SHALL BE A MINIMUM OF 3/8" WITH A MINIMUM OF 7" EMBEDMENT INTO CONCRETE AND A MAXIMUM SPACING OF 48" O.C. MINIMUM OF 2 BOLTS PER SILL PLATE. ONE BOLT TO BE PLACED WITHIN 12" OF EACH END OF THE SILL PLATE.

REINFORCING STEEL:  
 ALL REINFORCING STEEL SHALL BE PLACED IN CONFORMANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND THE MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION BY CRSI. DEFORMED REINFORCING STEEL BARS SHALL CONFORM TO ASTM GRADE 60. ALL REINFORCING BAR BENDS SHALL BE MADE COLD, WITH A MINIMUM RADIUS OF 6 BAR DIAMETERS. CORNER BARS (2'-0" BEND) SHALL BE PROVIDED FOR ALL HORIZONTAL REINFORCEMENT. LAP ALL BARS A MINIMUM OF 48 BAR DIAMETERS UNLESS NOTED OTHERWISE. UNLESS NOTED OTHERWISE ON THE DRAWINGS REINFORCING STEEL SHALL HAVE THE FOLLOWING MINIMUM COVER:  
 CONCRETE CAST AGAINST EARTH..... 3"  
 CONCRETE EXPOSED TO EARTH OR WEATHER #6 THRU #18 BARS..... 2"  
 #5 BAR AND SMALLER..... 1 1/2"  
 CONCRETE NOT EXPOSED TO EARTH OR WEATHER #11 BAR AND SMALLER..... 3/4"  
 SLAB ON GRADE (FROM THE SURFACE)..... 1 1/2"

WELDED WIRE FABRIC (WWF):  
 WWF SHALL CONFORM TO ASTM A-185. WWF SHALL BE LAPPED ONE CROSSWIRE PLUS 2" (I.E. 8" FOR 6X6 MESH). WWF SHALL BE CHAIRED IN POSITION WITH A MAXIMUM CHAIR SPACING OF 4'

PRESSURE TREATED WOOD:  
 ALL WOOD IN CONTACT WITH CONCRETE, MASONRY, EARTH, OR EXPOSED TO WEATHER SHALL BE PRESERVATIVE TREATED WOOD IN ACCORDANCE WITH AMPA U1 AND M4 STANDARDS.

MISCELLANEOUS HARDWARE:  
 ALL MISCELLANEOUS HANGERS AND HARDWARE TO BE SIMPSON OR APPROVED EQUAL. ALL HANGERS SHALL BE FASTENED TO WOOD WITH PROPER NAILS AND ALL NAIL HOLES FILLED. ALL NAILS IN CONTACT WITH PRESURE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED PER ASTM STANDARD 153 AND I.B.C. SECTION 2304.9.5. ALL METAL CONNECTORS IN CONTACT WITH PRESURE TREATED WOOD SHALL BE ZMAX (HDG PER ASTM A653, CLASS G-185) OR EQUAL.



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