

RETAINING WALL NOTES

1. THE RETAINING WALL SHOWN HAS BEEN DESIGNED IN CONFORMANCE WITH 2018 NC BUILDING CODE.
2. GRAVITY DESIGN LOADS:
 - wD = 350 PLF; wLr = 200 PLF; wL = 400 PLF (WALL ABOVE)
 - wD = 200 PLF (STONE VENEER WATER TABLE)
3. SOIL LATERAL DESIGN LOADS:
 - pH = 60 PSF (WELL-GRADED GRAVEL BACKFILL)
4. THE SKETCH SHOWS THE PERMANENT CONDITION RETAINING WALL. THE TEMPORARY CONDITIONS, INCLUDING THE EXCAVATION AND METHODS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. A LOCAL GEOTECHNICAL ENGINEER SHALL BE OBTAINED BY THE CONTRACTOR FOR GUIDANCE ON PREPARING THE SUBGRADE TO ACHIEVE THE ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF.
6. SOILS UNDER FOUNDATION SHALL BE COMPACTED TO A MINIMUM DENSITY OF 95% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557).
7. CONCRETE REINFORCEMENT BARS SHALL BE ASTM A 615, GRADE 60.
8. CONCRETE CONSTRUCTION SHALL COMPLY WITH ACI 301 AND ACI 117.
9. CONCRETE SHALL BE NORMAL-WEIGHT CONCRETE WITH MIX MEETING THE FOLLOWING CRITERIA:
10. MINIMUM 28-DAY COMPRESSIVE STRENGTH = 5000 PSI
 - MAXIMUM COARSE AGGREGATE = 1 INCH
 - MAXIMUM WATER TO CEMENT RATIO = 0.40
 - SLUMP = 5 INCHES (+/- 1 INCH)
 - AIR CONTENT = 4.5% (+/- 1.5%)
 - CEMENT SHALL BE PORTLAND CEMENT - ASTM C 150, TYPE II



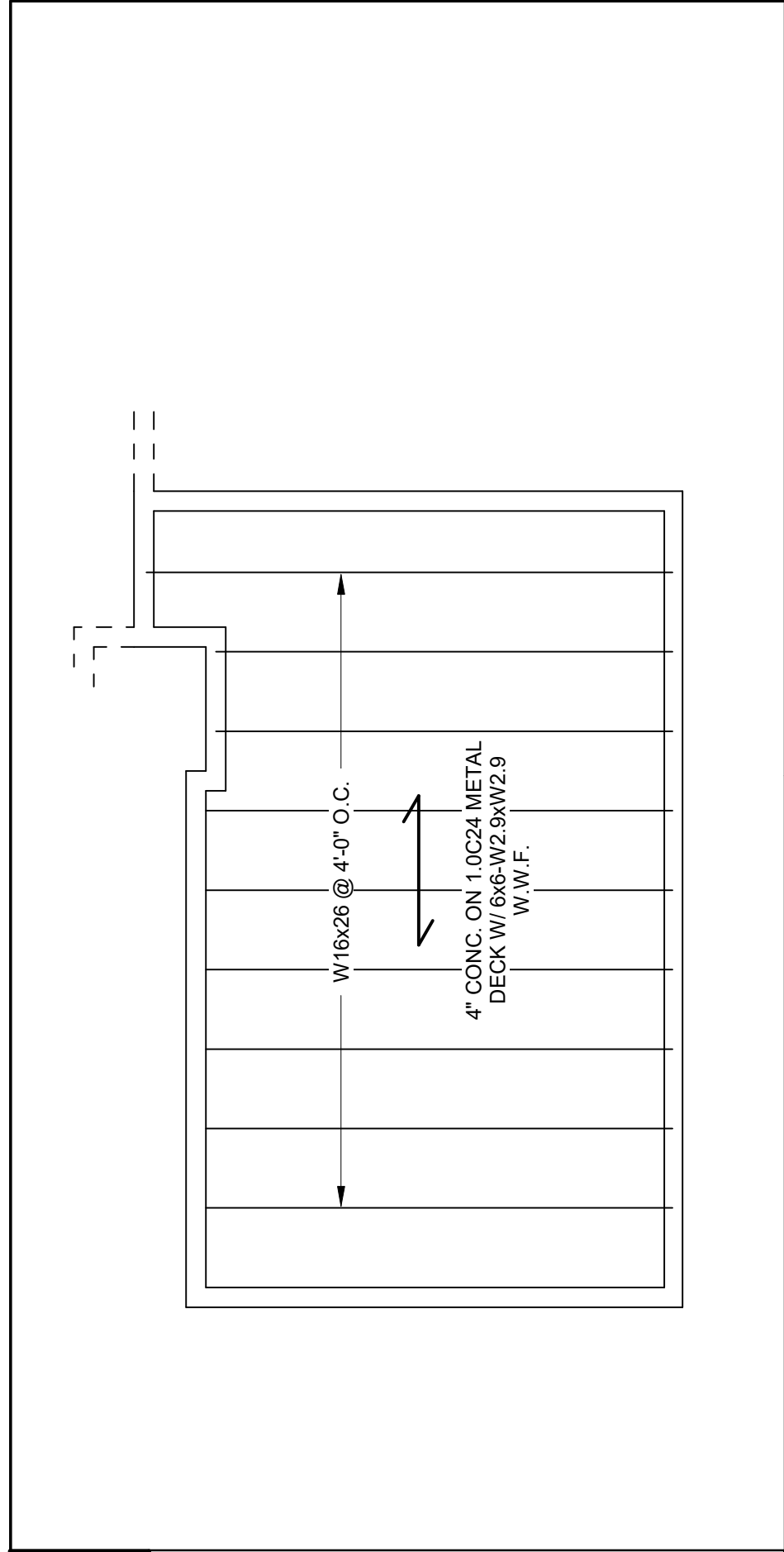
NC LICENSE NO. P-2519

1230 ASGI TRAIL

MAGGIE VALLEY, NC

REVISION		
#	DESCRIPTION	DATE
PROJ. NO.		22,046
DATE		3/23/2022
DRAWN BY		BKS
RETAINING WALL PLAN		

S-1.1



4" CONC. SLAB ON METAL DECK PER PLAN

#4 DOWEL @ 12" O.C. W/ 30" LEGS

3/16

#4 CONT.

WATERSTOP

1" MAX.

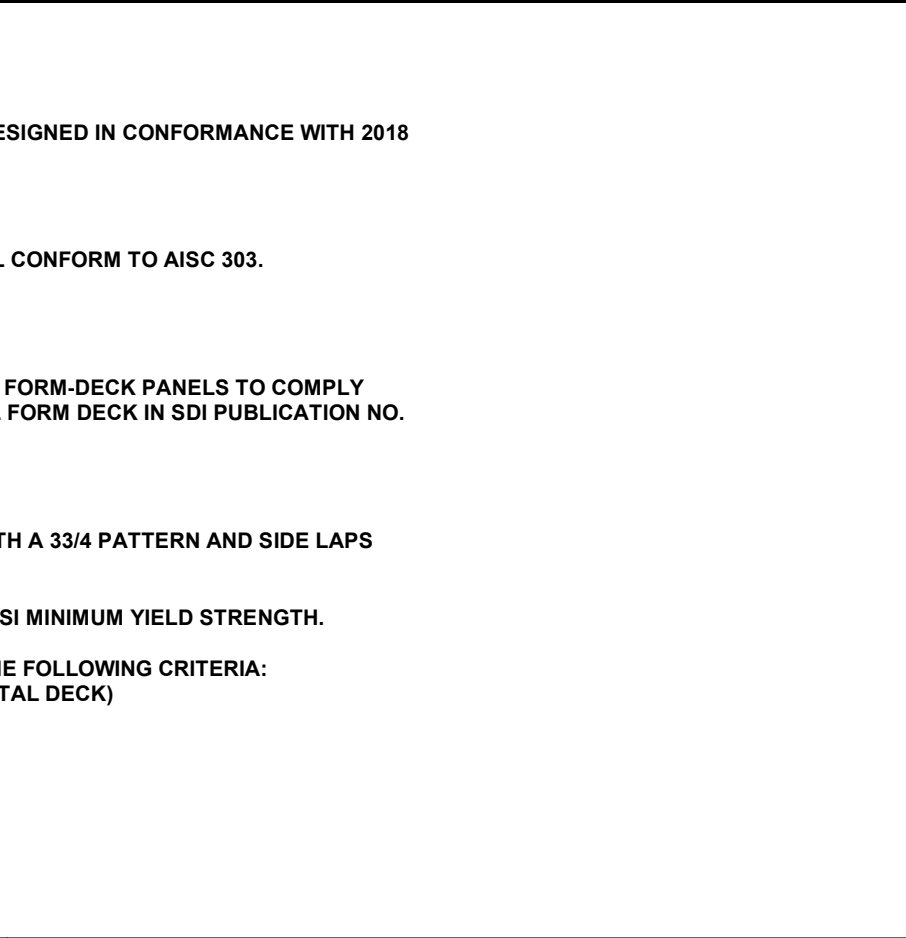
6"

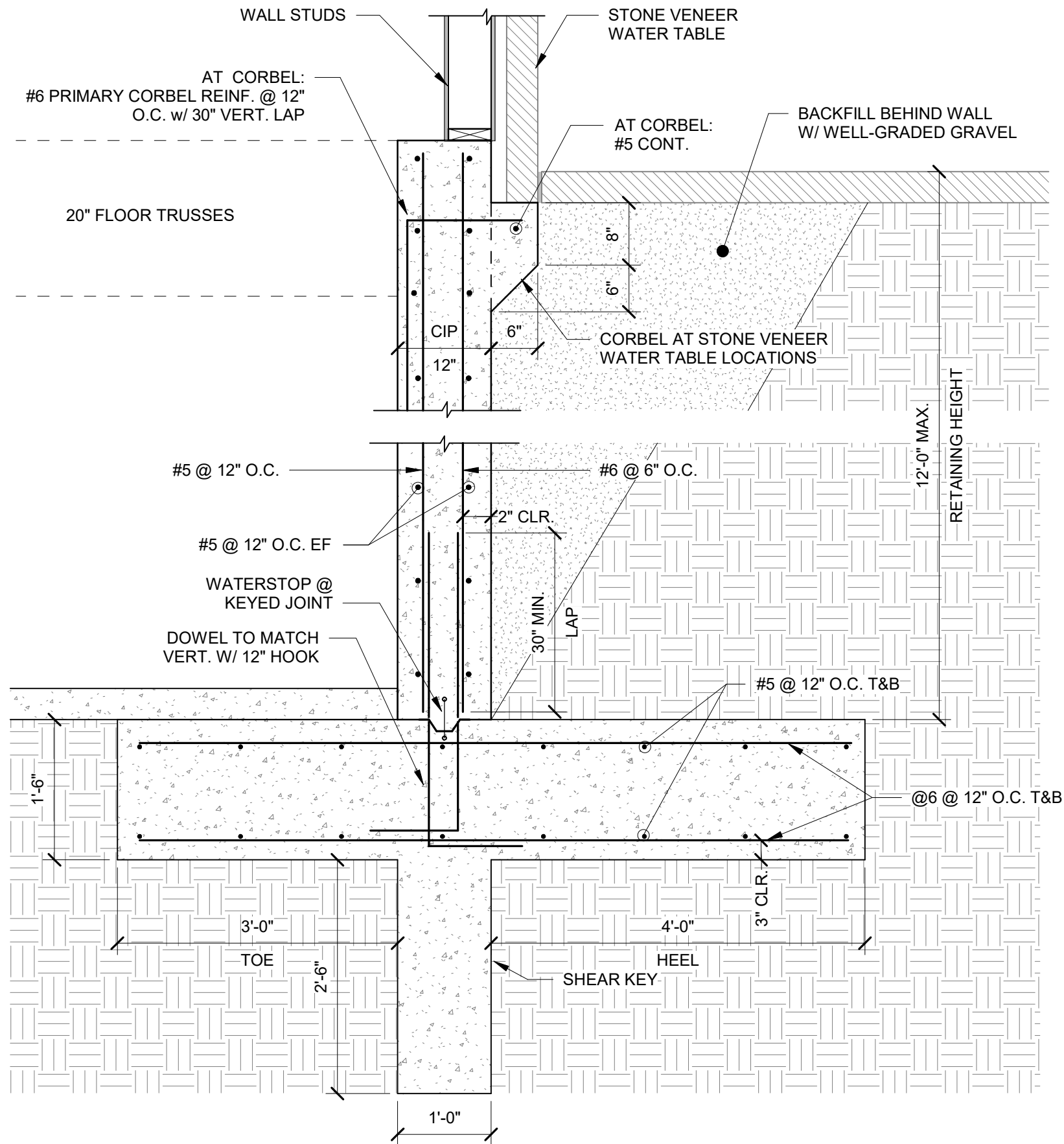
STEEL BEAM PER PLAN

1/2" TITEN HD (EMBED = 4") THROUGH BOTTOM FLANGE EA. SIDE THROUGH DRILLED 9/16" HOLE

3 1/2"

1 1/2"





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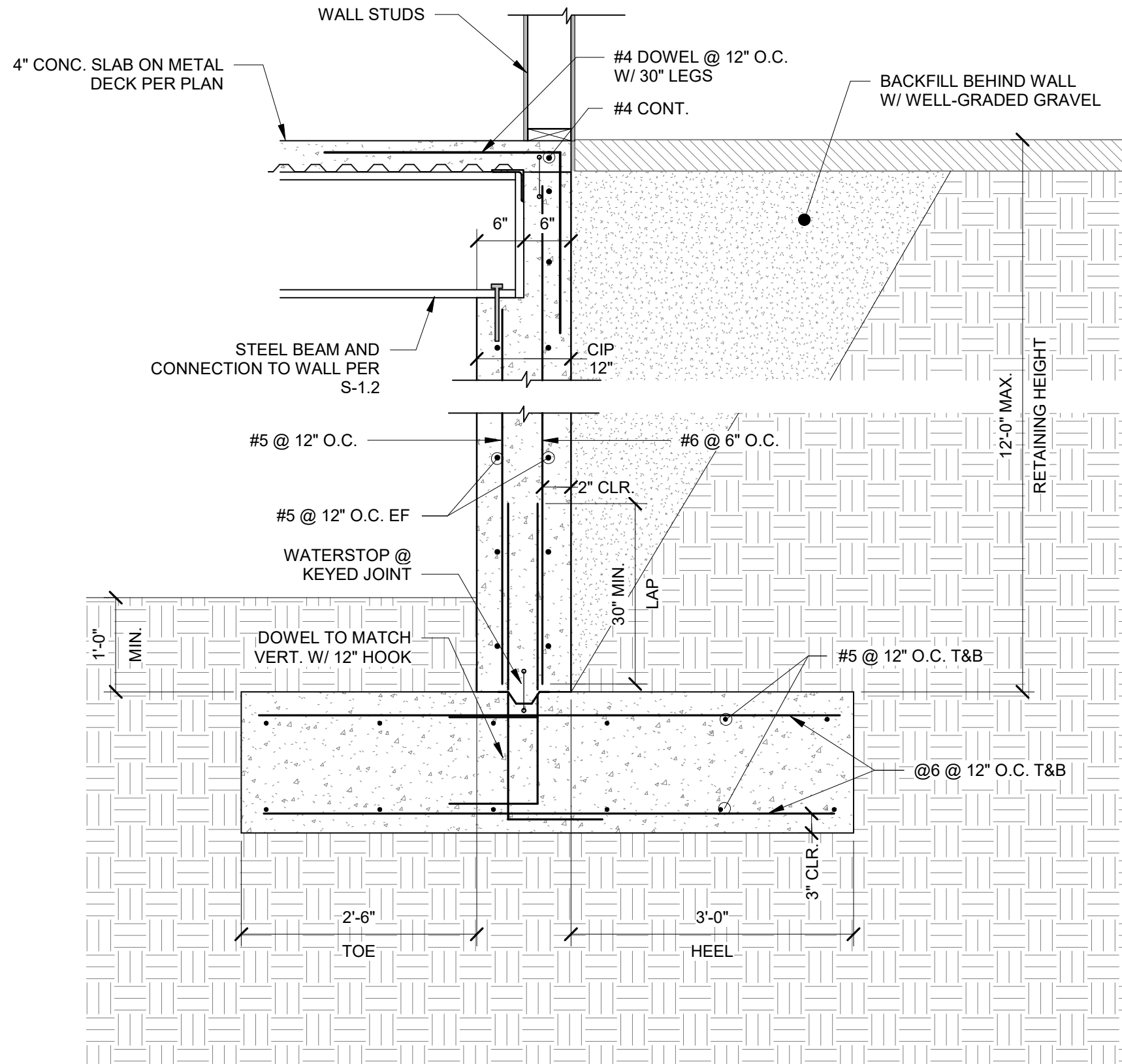
RETAINING
WALL DETAILS

S-2.1

C

3/4" = 1'-0"

MAIN HOUSE RETAINING WALL DETAIL



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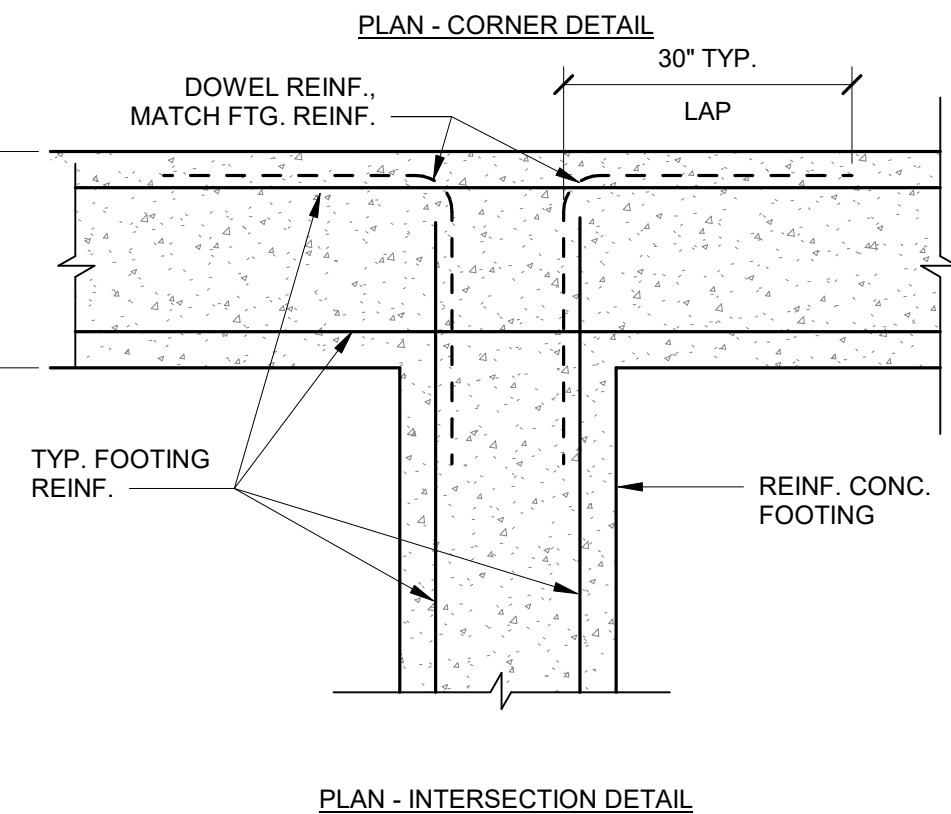
RETAINING
WALL DETAILS

S-2.2

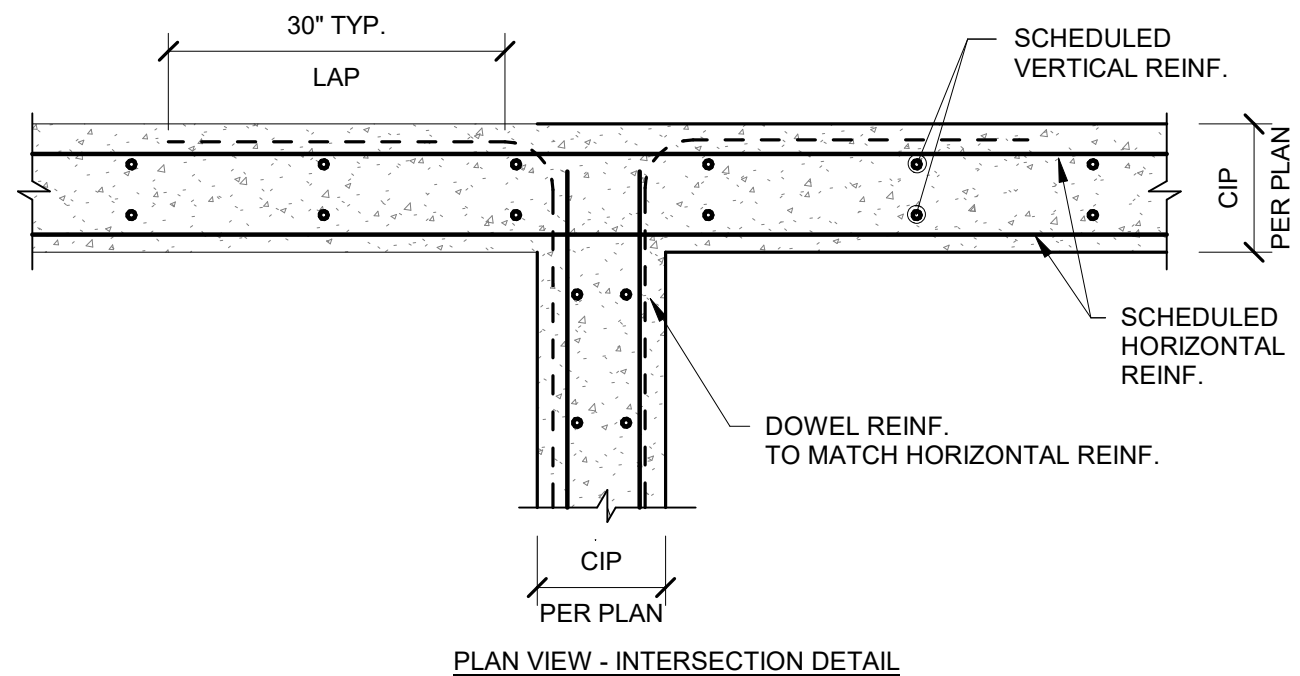
D

3/4" = 1'-0"

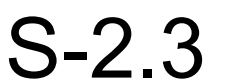
GARAGE RETAINING WALL DETAIL

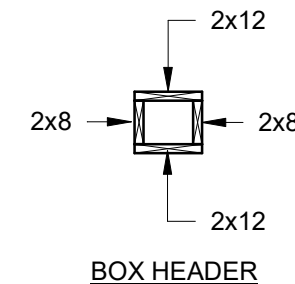
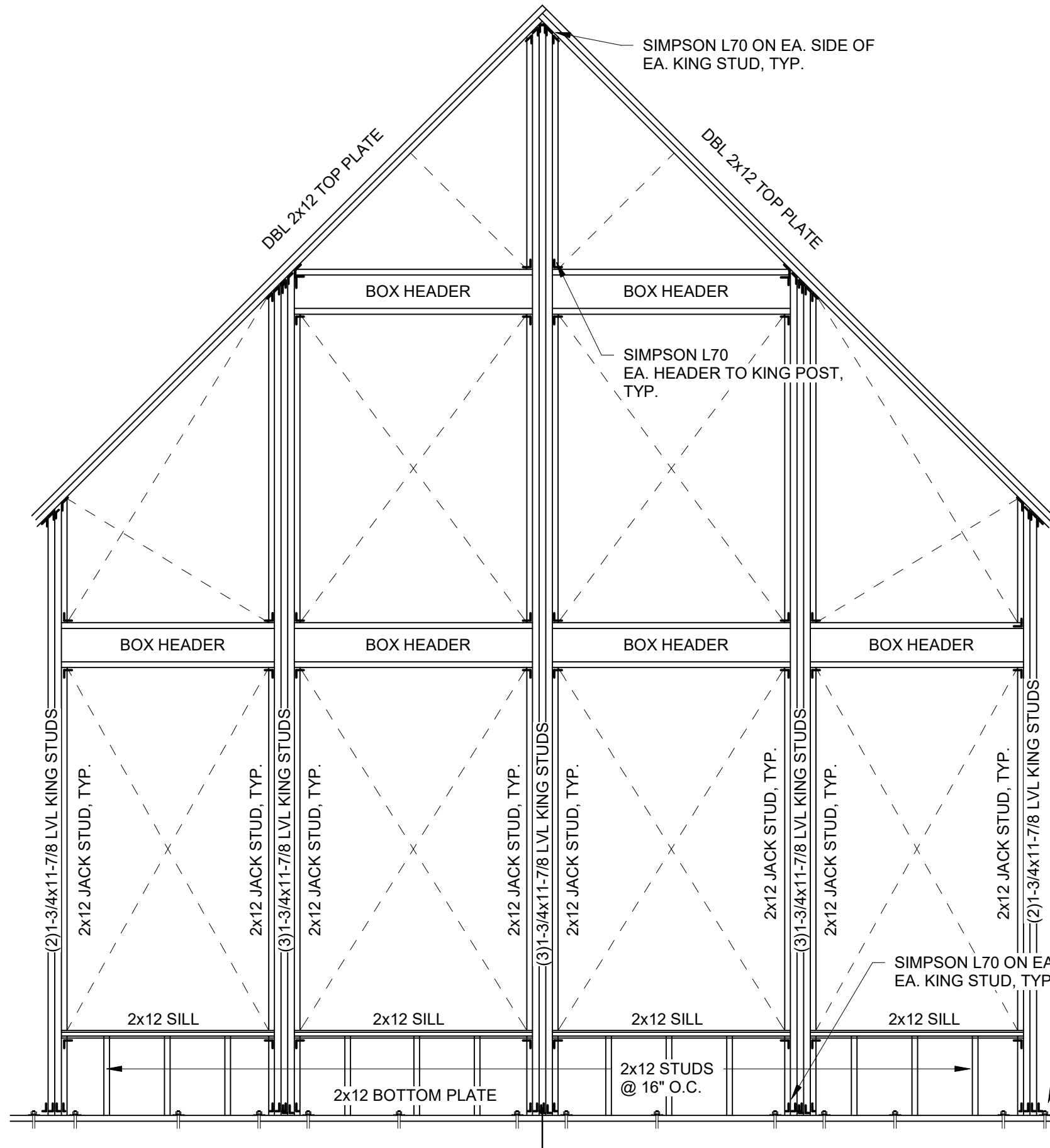


REINFORCEMENT AT FOUNDATION INTERSECTIONS



REINFORCEMENT AT WALL INTERSECTIONS





WINDOW WALL NOTES:

1. THE WINDOW WALL SHOWN HAS BEEN DESIGNED IN CONFORMANCE WITH 2018 NC STATE BUILDING CODE.
2. WIND SPEED:
 - V = 150 MPH
 - EXPOSURE = C
3. WINDOW FRAMING HAS BEEN SIZED TO MEET THE AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION AAMA TIR-11.
4. AL WOOD FRAMING SHALL COMPLY WITH THE NATIONAL FOREST PRODUCTS ASSOCIATION NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
5. DIMENSION LUMBER SHALL BE #2 MIN GRADE.
6. LABMINATED VENEER LUMBER (LVL) SHALL BE MICROLLAM LVL GRADE 2.0E MANUFACTURED BY WEYERHAEUSER OR EQUIVALENT PRODUCT.



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WINDOW WALL
ELEVATION

S-3.1

1

3/8" = 1'-0"

WINDOW WALL ELEVATION