GENERAL NOTES

STRUCTURAL DESIGN CRITERIA (APPENDIX B)

20

BUILDING CODE: NORTH CAROLINA BUILDING CODE, 2018 EDITION

SUPERIMPOSED DEAD

LOAD (PSF)

10

2"

DESIGN LOADS:	LIVE LOAD
	(PSF)
STAGE AND RAMP	100

FOOTING TO FACE OF SLOPE

(PSF)

FOUNDATIONS

ROOF

PRESUMPTIVE DESIGN SOIL BEARING PRESSURE: 2000 PSF FROST DEPTH: 24"; BOTTOM OF ALL DECK FOOTINGS SHALL BEAR AT OR BELOW SPECIFIED FROST DEPTH AND 5'-0" HORIZONTALLY FROM DOWNHILL EDGE OF

CAST-IN-PLACE CONCRETE

DESIGN STANDARD: ACI 318-08, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETÉ"

DESIGN COMPRESSIVE STRENGTH AT 28 DAYS (f'c): 3000 PSI

MIX DESIGNS:

- 1. CEMENT SHALL CONFORM TO ASTM C 150, TYPE 1 PORTLAND CEMENT, UNLESS OTHERWISE ACCEPTED BY THE STRUCTURAL ENGINEER.
- 2. FLY ASH SHALL BE ASTM C 618, TYPE C OR F, BUT NOT EXCEEDING 4% LOSS ON IGNITION. FLY ASH SHALL NOT EXCEED 25% OF CEMENT CONTENT BY WEIGHT.
- 3. NORMAL WEIGHT AGGREGATE SHALL CONFORM TO ASTM C 33. AGGREGATE SIZE SHALL BE #57 OR #67 FOR ALL CONCRETE.
- 4. AIR ENTRAINING ADMIXTURE SHALL BE USED IN ACCORDANCE WITH ACI 301 IN ALL
- CONCRETE EXPOSED TO FREEZING AND THAWING. 5. ALL CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 4" EXCEPT CONCRETE UTILIZING
- HIGH OR MID-RANGE WATER REDUCERS SHALL HAVE A MAXIMUM SLUMP OF 6".

REINFORCING STEEL: ASTM A615, GRADE 60

CONCRETE COVER FOR REINFORCEMENT: UNFORMED SURFACE CAST AGAINST EARTH:

FORMED SURFACE EXPOSED TO EARTH OR WEATHER:

ROUGH CARPENTRY

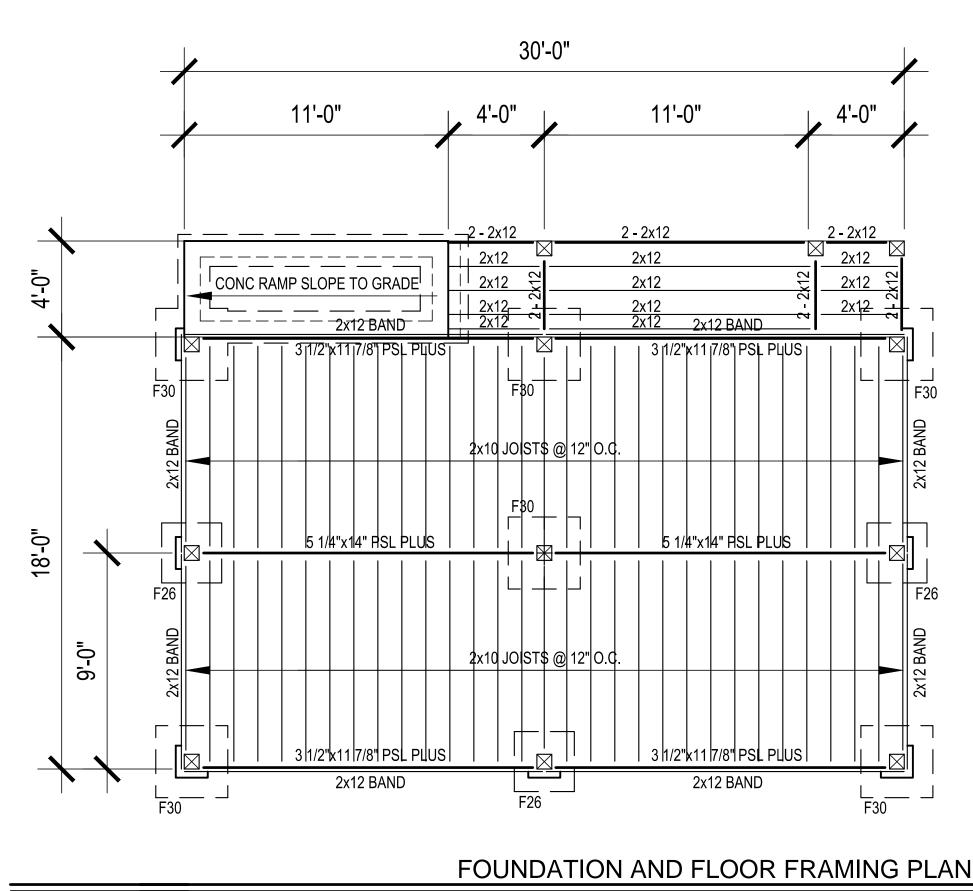
SPECIES AND GRADE (MINIMUM): JOISTS AND BEAMS: SOUTHERN PINE (SPIB), NO. 2 STUDS AND POSTS: SOUTHERN PINE (SPIB), NO. 2

STRUCTURAL COMPOSITE LUMBER (SCL): EVALUATED IN CONFORMANCE WITH ASTM D 5456 WITH DESIGN VALUES RECOGNIZED IN EVALUATION REPORTS BY ICC EVALUATION SERVICE (ICC-ES) OR PRODUCT REPORTS ISSUED BY APA-THE ENGINEERED WOOD ASSOCIATION. SCL INCLUDES ALL MEMBERS DESIGNATED AS:

PSL PLUS - PARALLEL STRAND LUMBER RATED FOR EXTERIOR USE SERVICE LEVEL 2 - 1.46E MIN

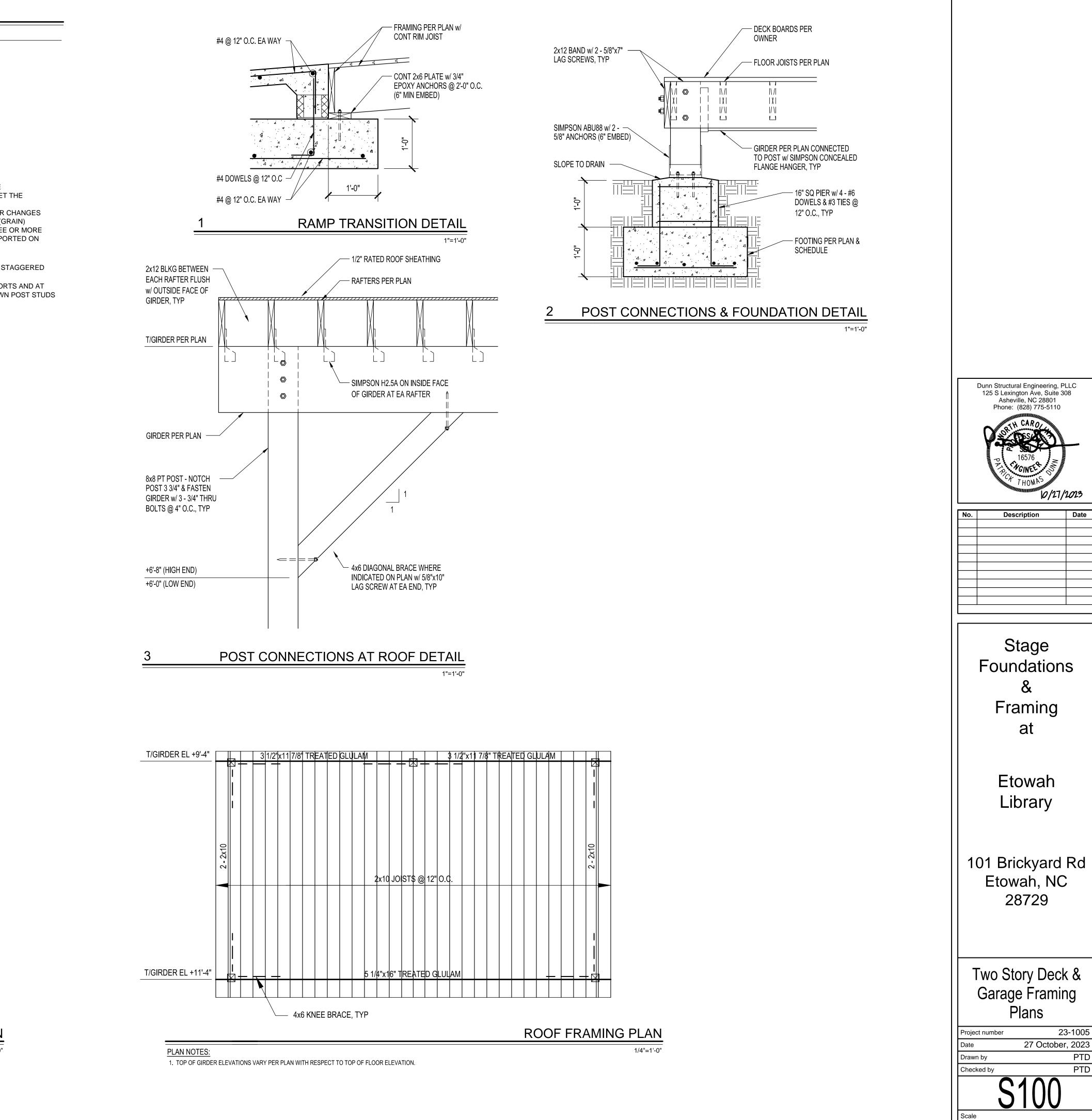
ALL ATTACHMENTS OF WOOD FRAMING SHALL NOT BE LESS THAN THAT DESCRIBED IN "TABLE 2304.9.1-FASTENING SCHEDULE" WITHIN THE NORTH CAROLINA BUILDING CODE.

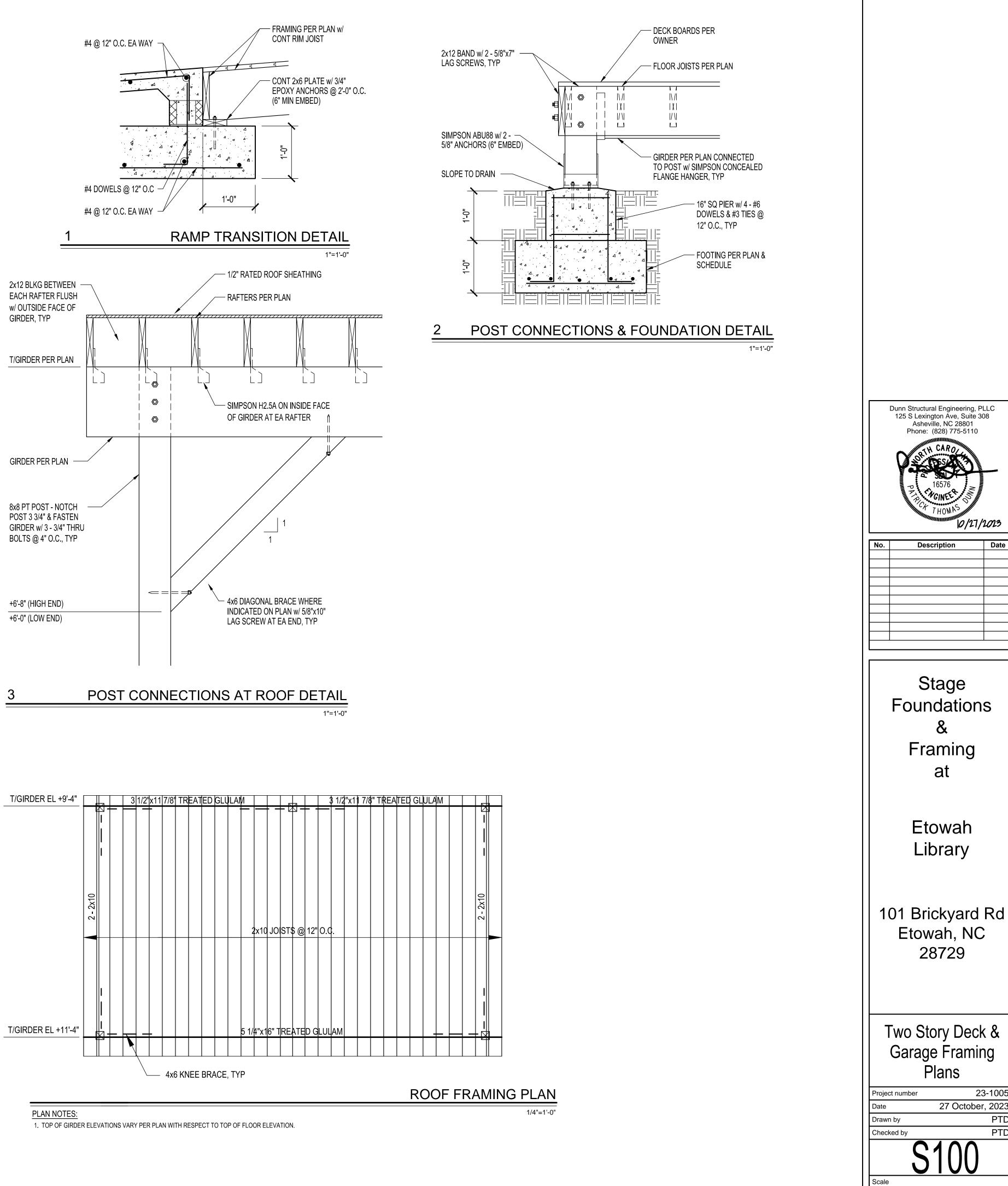
- 1. ALL WOOD SHEATHING SHALL BE IDENTIFIED WITH THE APPROPRIATE GRADE TRADEMARK OF THE ENGINEERED WOOD ASSOCIATION (APA) AND SHALL MEET THE REQUIREMENTS OF U.S. PRODUCT STANDARD PS-1 OR PS-2.
- 2. ALL SHEATHING PANELS SHALL BE 4'-0" x 8'-0" EXCEPT AT DISCONTINUITIES OR CHANGES IN FRAMING. SHEATHING PANELS SHALL BE PLACED WITH LONG DIMENSION (GRAIN) PERPENDICULAR TO SUPPORTS. PANELS SHALL BE CONTINUOUS OVER THREE OR MORE SUPPORTS. END JOINTS SHALL BE STAGGERED. PANEL ENDS SHALL BE SUPPORTED ON FRAMING MEMBERS.
- 3. MINIMUM ATTACHMENT OF SHEATHING: FASTENERS SHALL BE LOCATED AT LEAST 3/8" FROM EDGES OF PANELS AND STAGGERED
- WITH ADJACENT PANEL. CONNECTOR TYPE: 10D COMMON NAILS, 12" O.C. AT INTERMEDIATE SUPPORTS AND AT 6" O.C. FOR ALL PANEL EDGES TO FRAMING & HOLDOWN POST STUDS



PLAN NOTES:

1. TOP OF FLOOR ELEVATION VARIES w/ +2'-0" ABOVE GRADE MAX, +1'-6" MIN.





1/4"=1'-0"