

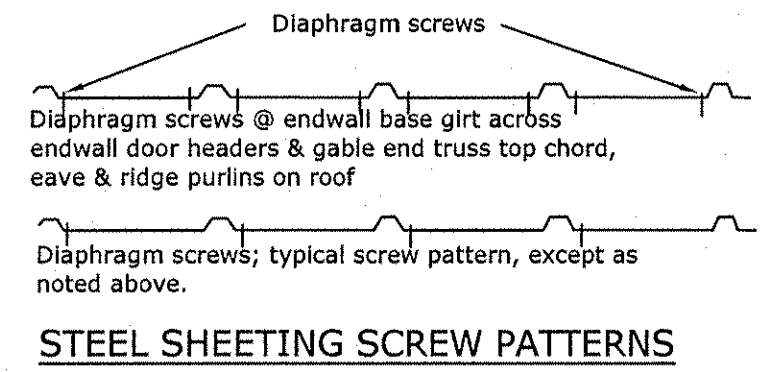
SHEATHING REQUIREMENTS

THE FOLLOWING MINIMUM ROOF DIAPHRAGM REQUIREMENTS ARE NEEDED:

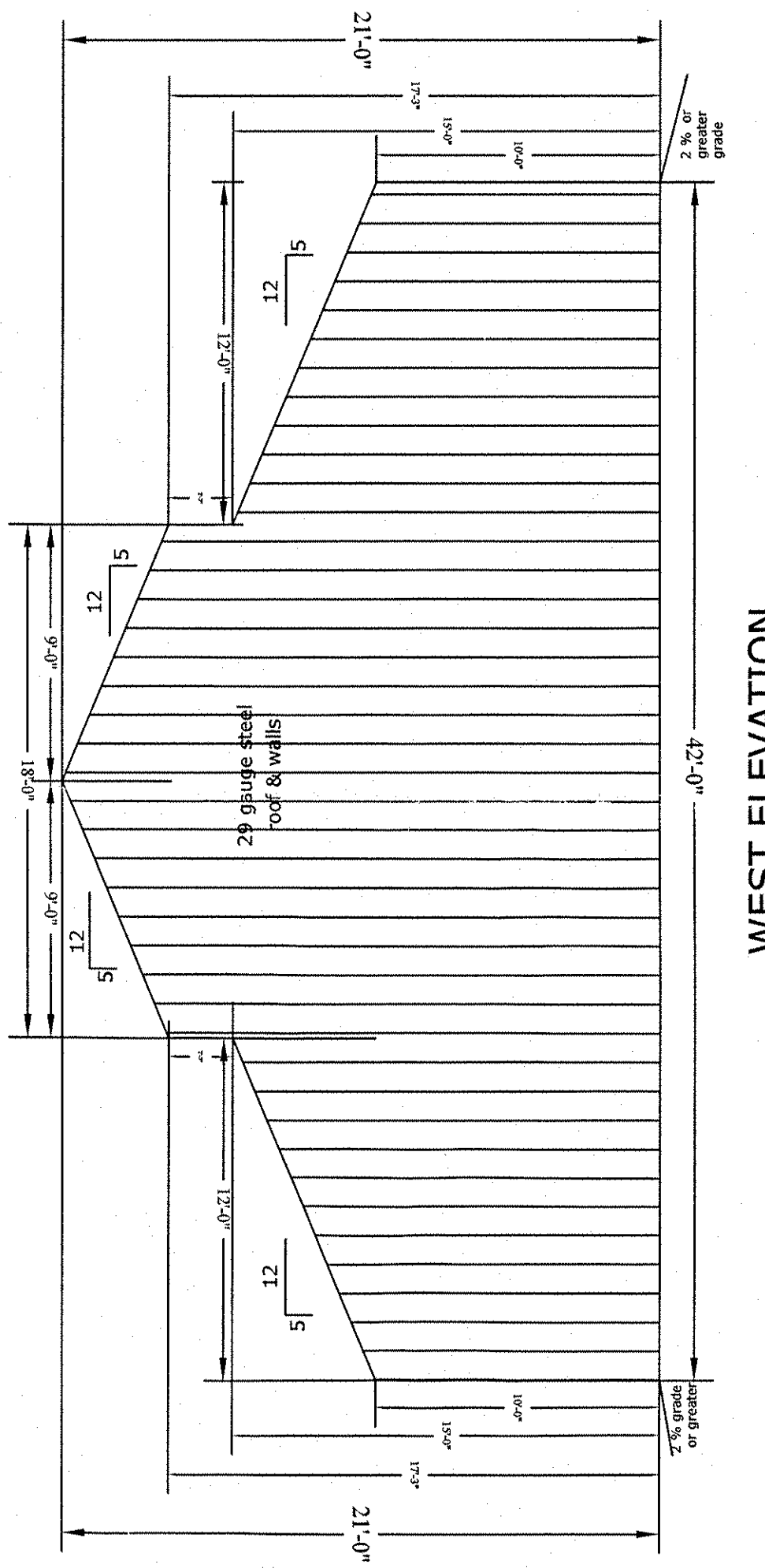
- * Roof steel - 29 gauge "Grand-Rib III", 36" width or equivalent
- * Field screws - #10 x 1 1/2" @ 9" O.C. (next to high rib)
- * Eave and ridge purlin screws, #14 x 1 1/2" at both sides of each major rib

THE FOLLOWING MINIMUM ENDWALL DIAPHRAGM REQUIREMENTS ARE NEEDED:

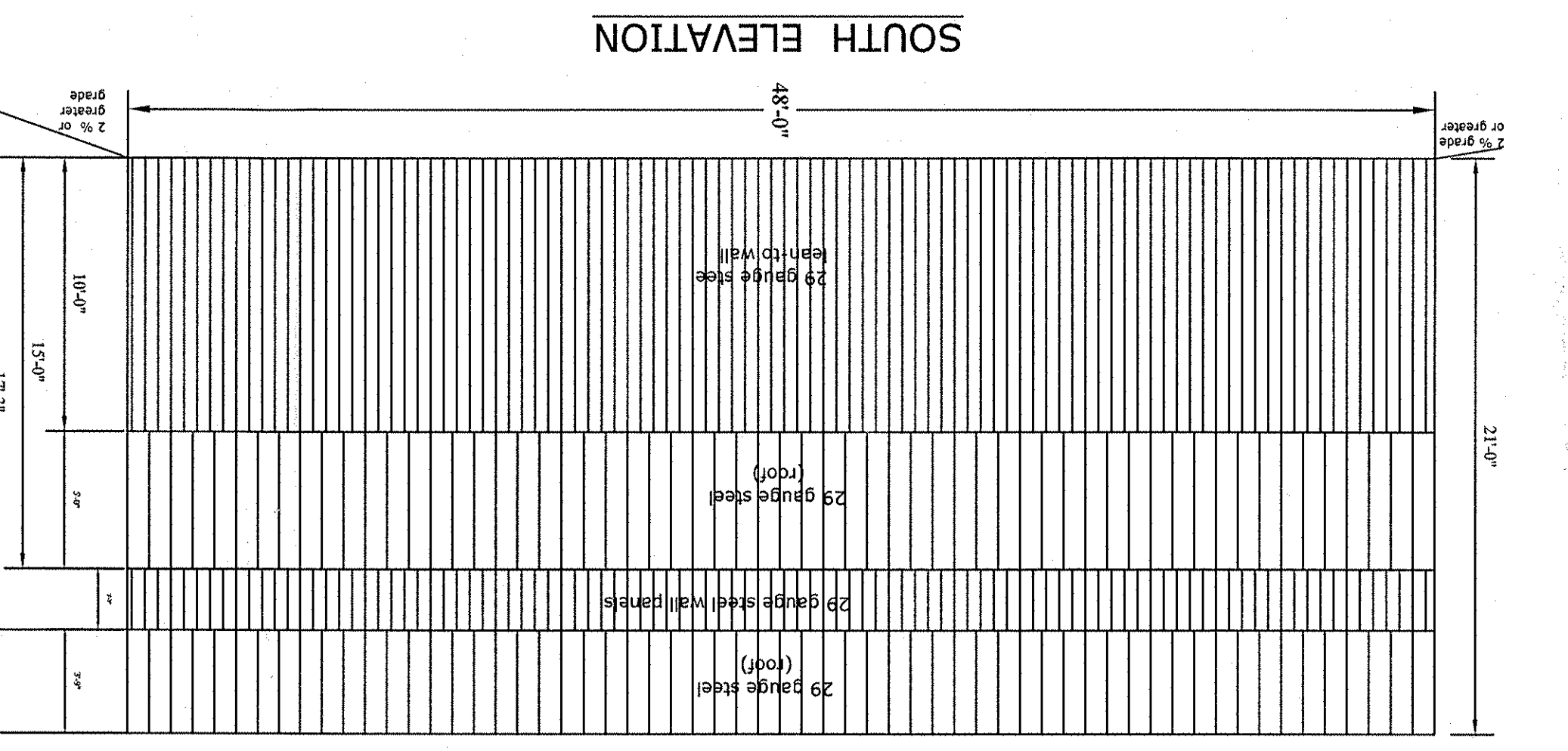
- * Endwall steel - 29 gauge "Grand-Rib III", 36" width or equivalent
- * Field screws, #10 x 1 1/2" @ 9" O.C. (next to high rib)
- * Base girt, end truss, and door header screws, #14 x 1 1/2" @ both sides of each major rib



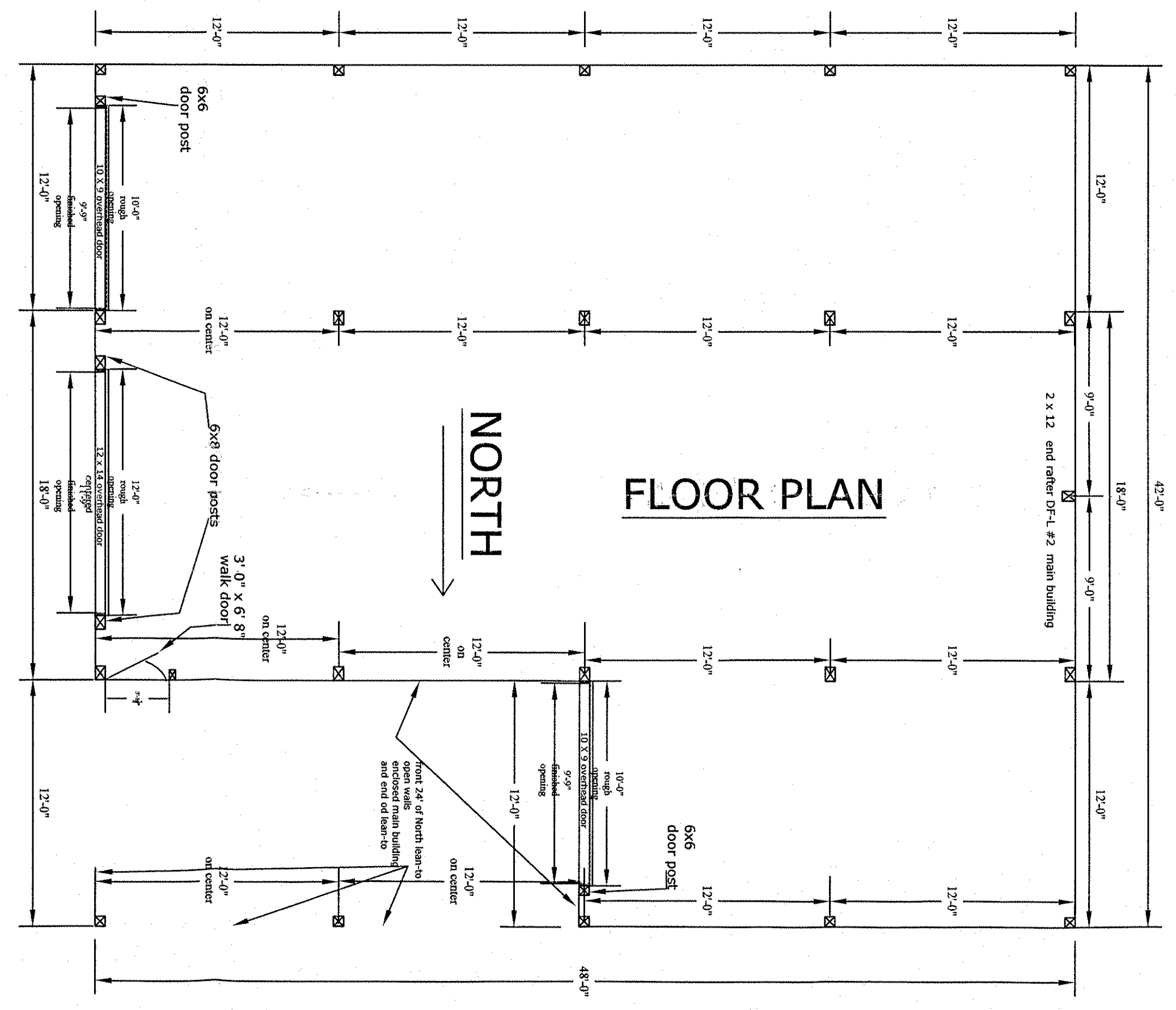
STEEL SHEETING SCREW PATTERNS



WEST ELEVATION

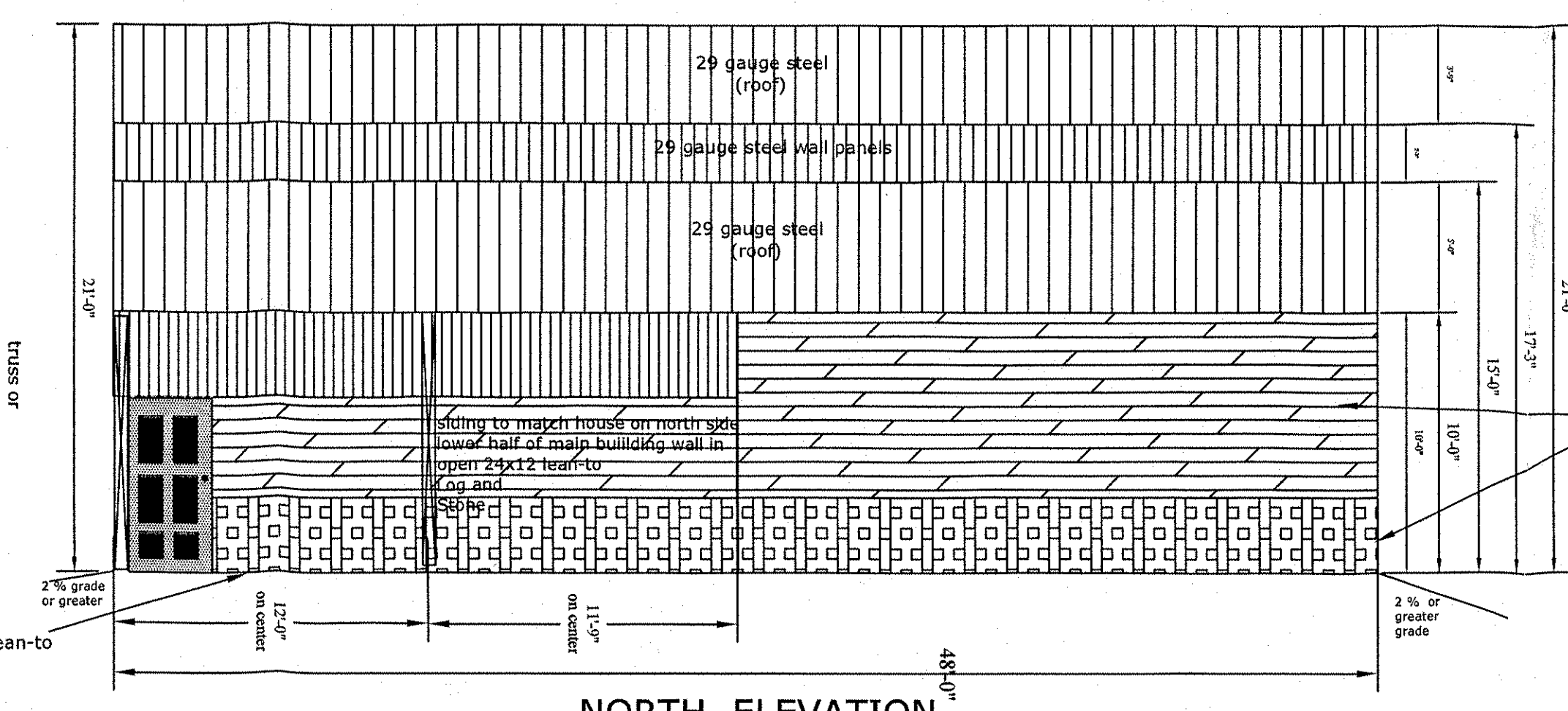


SOUTH ELEVATION

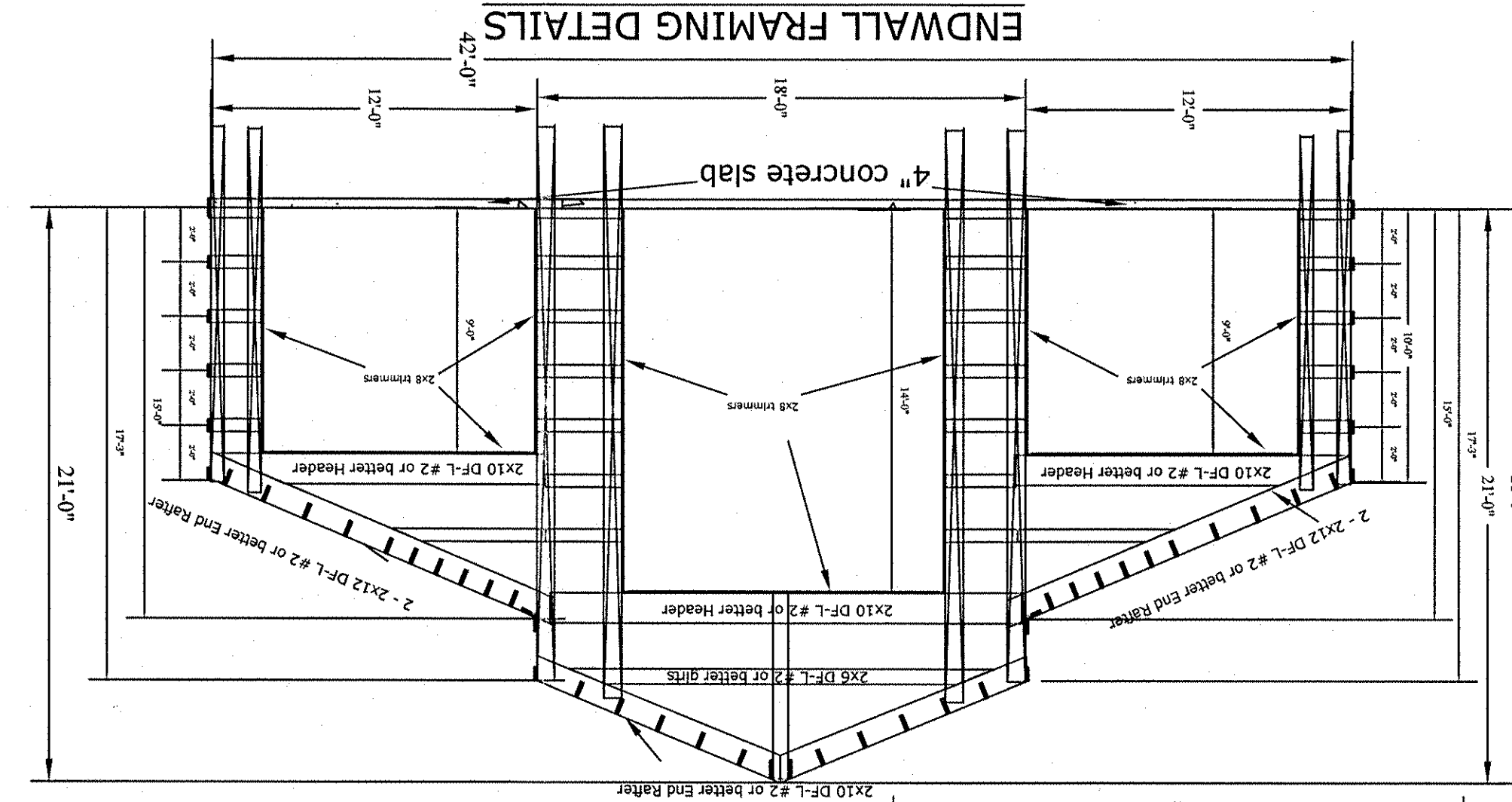


NORTH

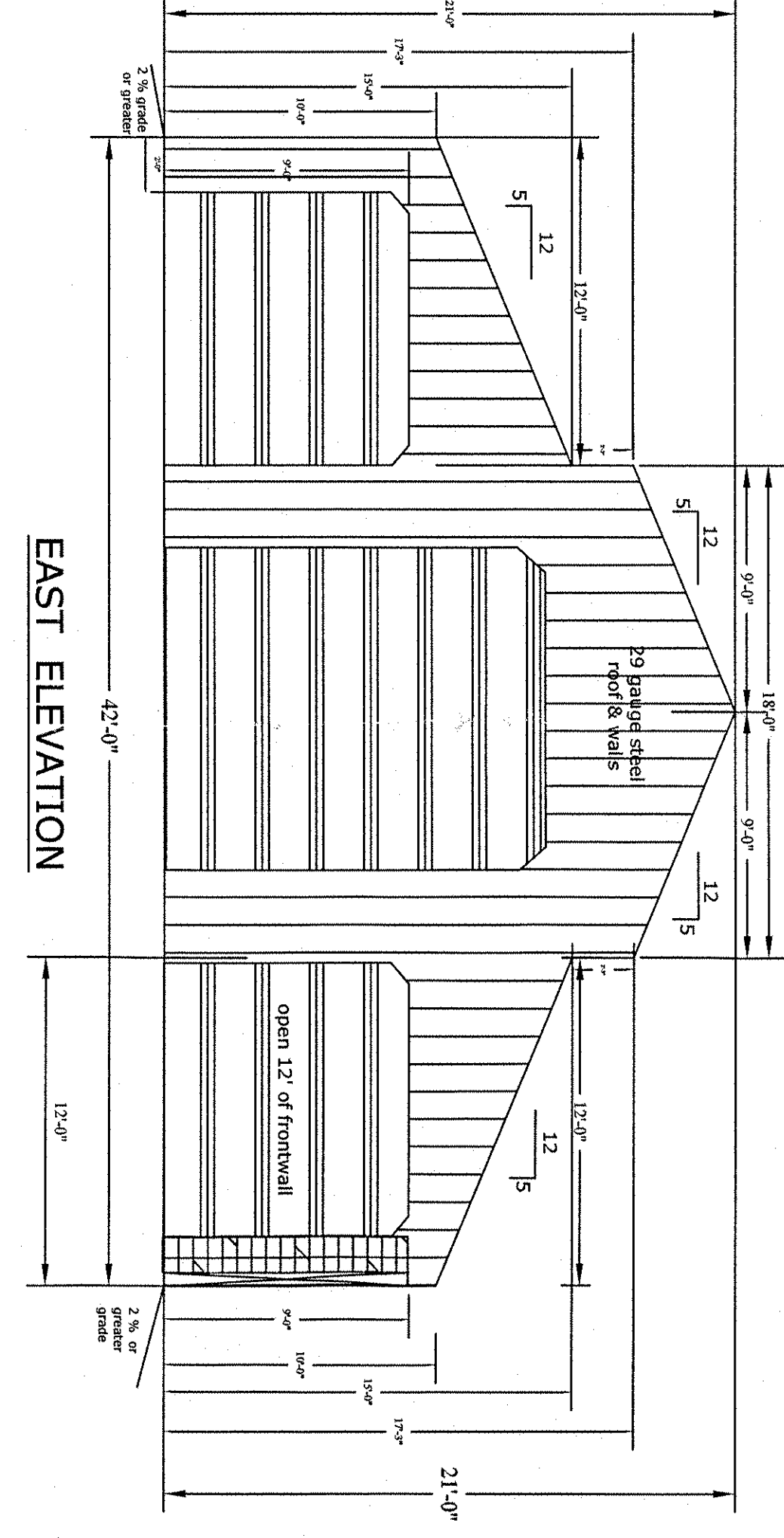
FLOOR PLAN



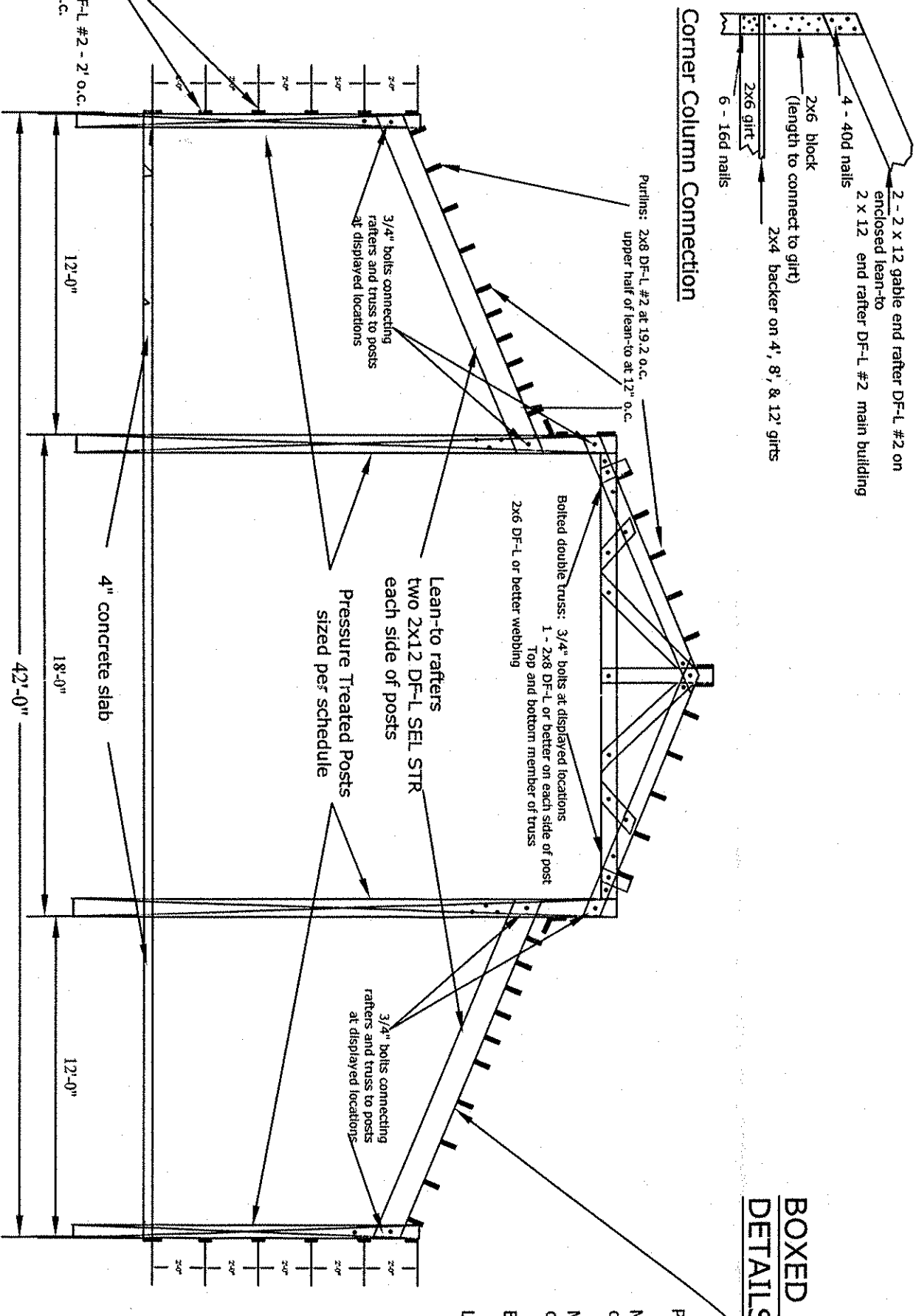
NORTH ELEVATION



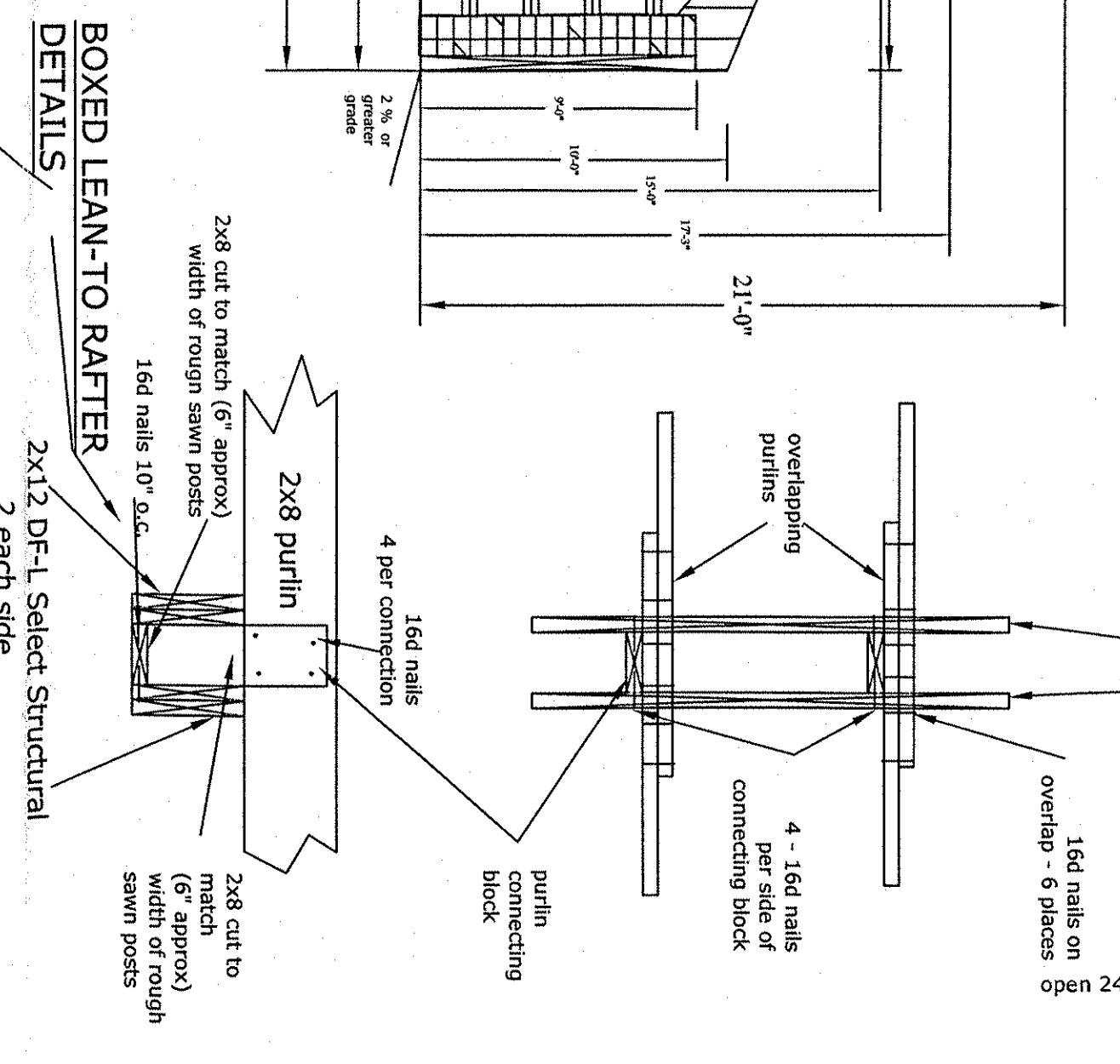
ENDWALL FRAMING DETAILS



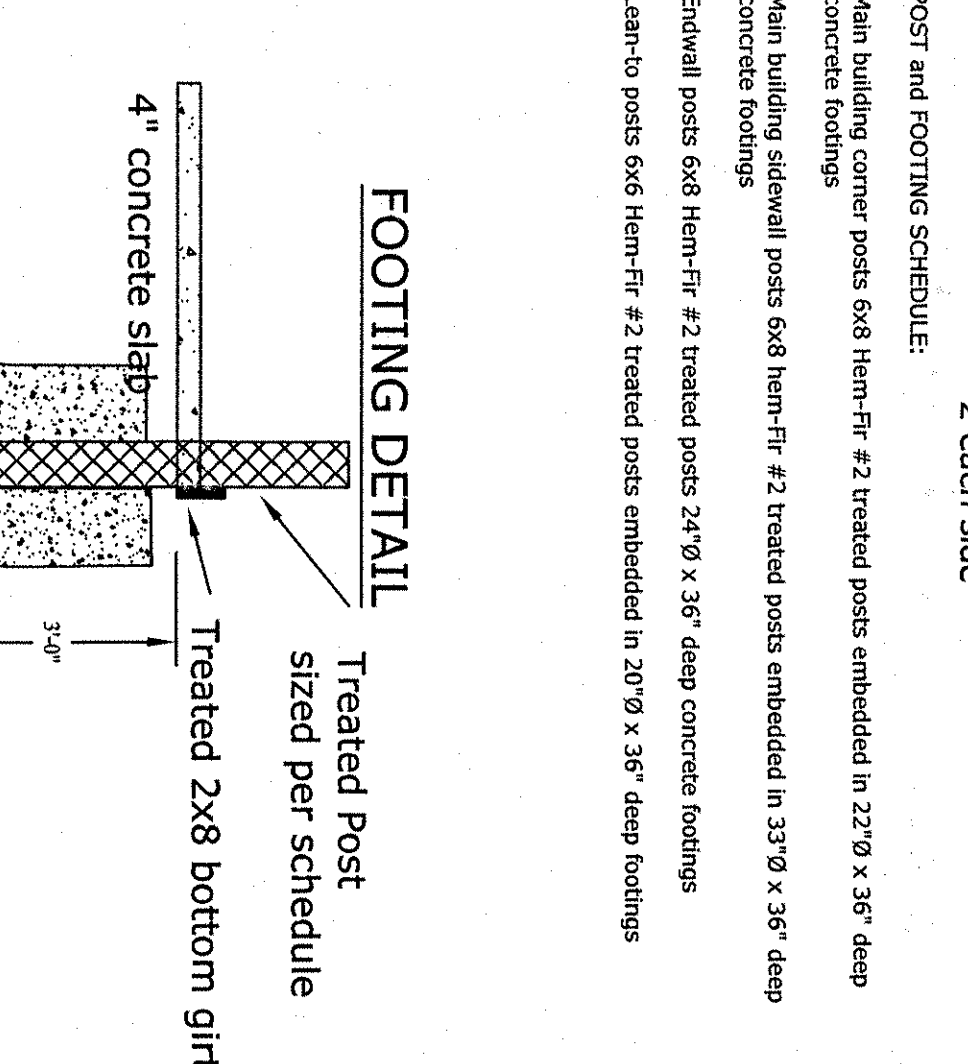
EAST ELEVATION



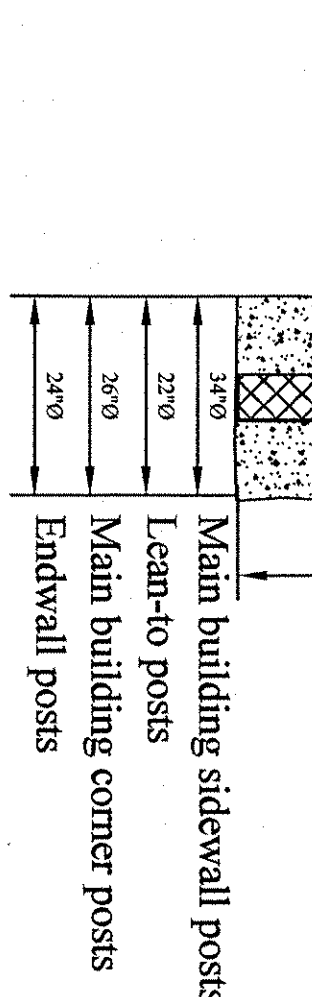
SECTION VIEW



BOXED LEAN-TO RAFTER DETAILS



FOOTING DETAIL



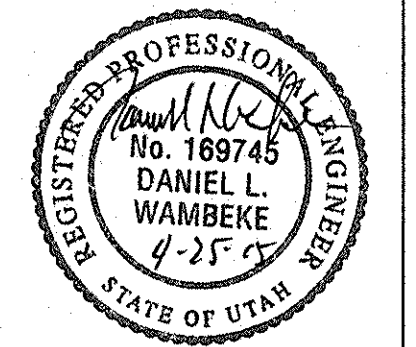
POST AND FOOTING SCHEDULE:

Main building corner posts 6x8 Hem-Fir #2 treated posts embedded in 22" x 36" deep concrete footings

Main building sidewall posts 6x8 Hem-Fir #2 treated posts embedded in 33" x 36" deep concrete footings

Endwall posts 6x8 Hem-Fir #2 treated posts 24" x 36" deep concrete footings

Lean-to posts 6x8 Hem-Fir #2 treated posts embedded in 30" x 36" deep footings



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LAYOUT, STRUCTURAL DETAILS & SPECIFICATIONS

115 mph wind speed, exposure C and seismic design cat. B by IBC 2012;
50 psf live load, roof DL 5 psf ceiling LL 0 psf;
Insulation: maximum R-value allowed for a max. of 3" thickness fiberglass ceiling DL 1 load, roof DL 0 psf;
Clay, heavy sand, clay soil, silt & sandy silt soils or better per IBC Table 1801.4.1.1.1.1;
WOOD - structural lumber shall conform to 24 CFR 201.2.2 or better by wood grading rules. Milling shall conform to Table 2404.3.1.1 fastening schedule & other appropriate sections of chapter 23 of the IRC. Posts shall be HEM-FIR #2 or A1M A66 structural quality (20' x 8' x 8' or 8' x 8' x 8'). Roof panels shall conform to ASTM A666 structural quality (20' x 8' x 8' or 8' x 8' x 8'). Roof panels shall be fastened to purlins with plated, gasketed 1/2" or longer metal to wood fasteners and according to manufacturer's recommendations. All back fill soil shall be compacted with a vibratory compactor to 95% of the proctor density as determined by ASTM D1557 method D.

siding to match house on north side
back half of lean-to wall on enclosed 24x12 lean-to Log and Stone
7/16" OSB sub-siding