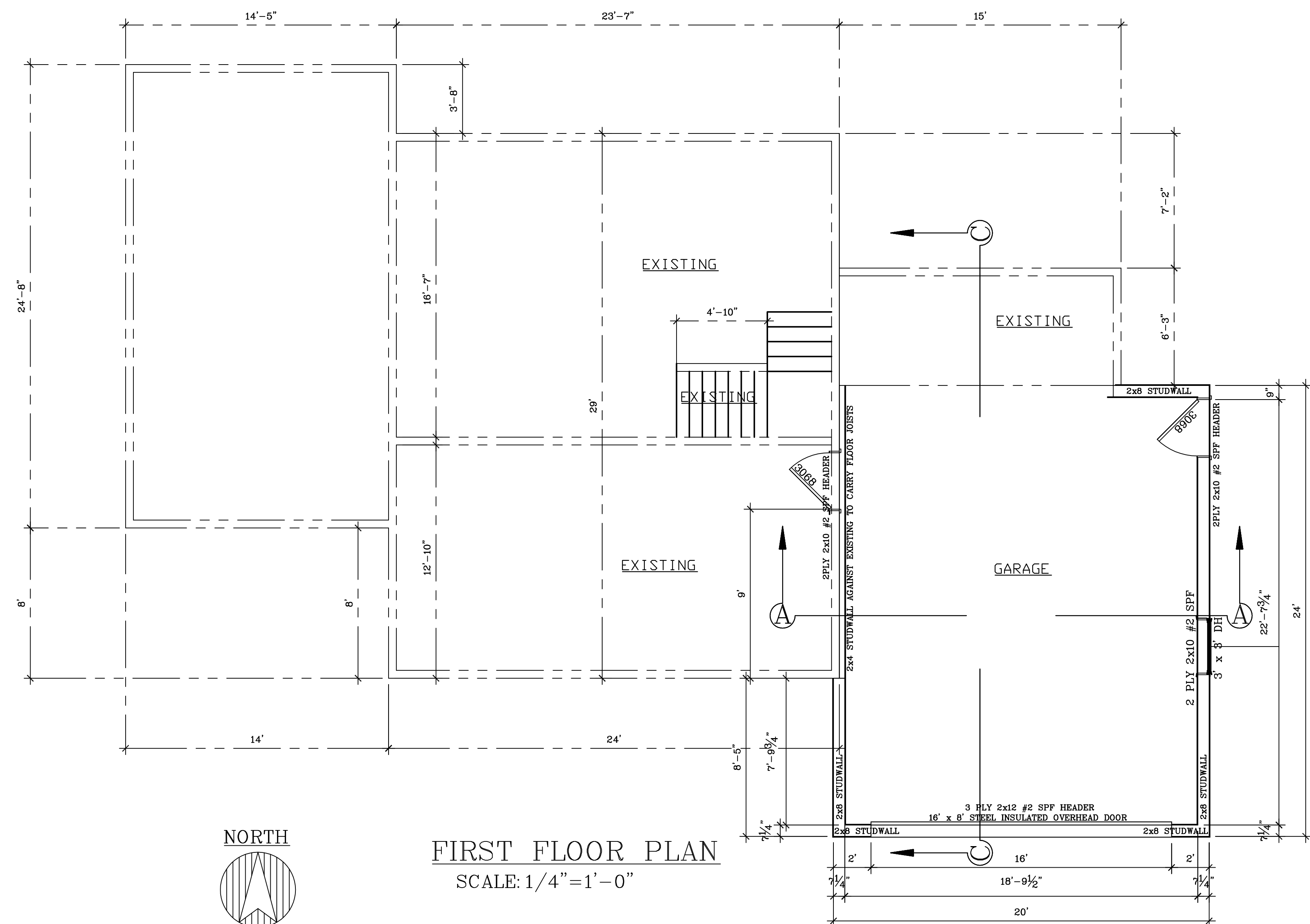
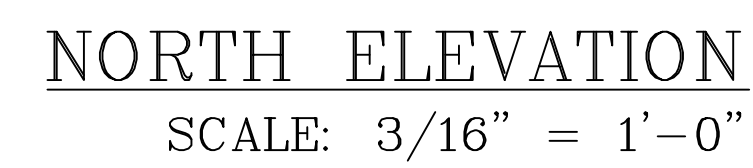
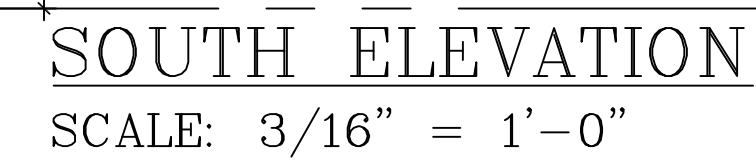
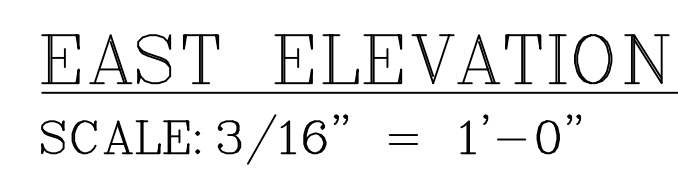
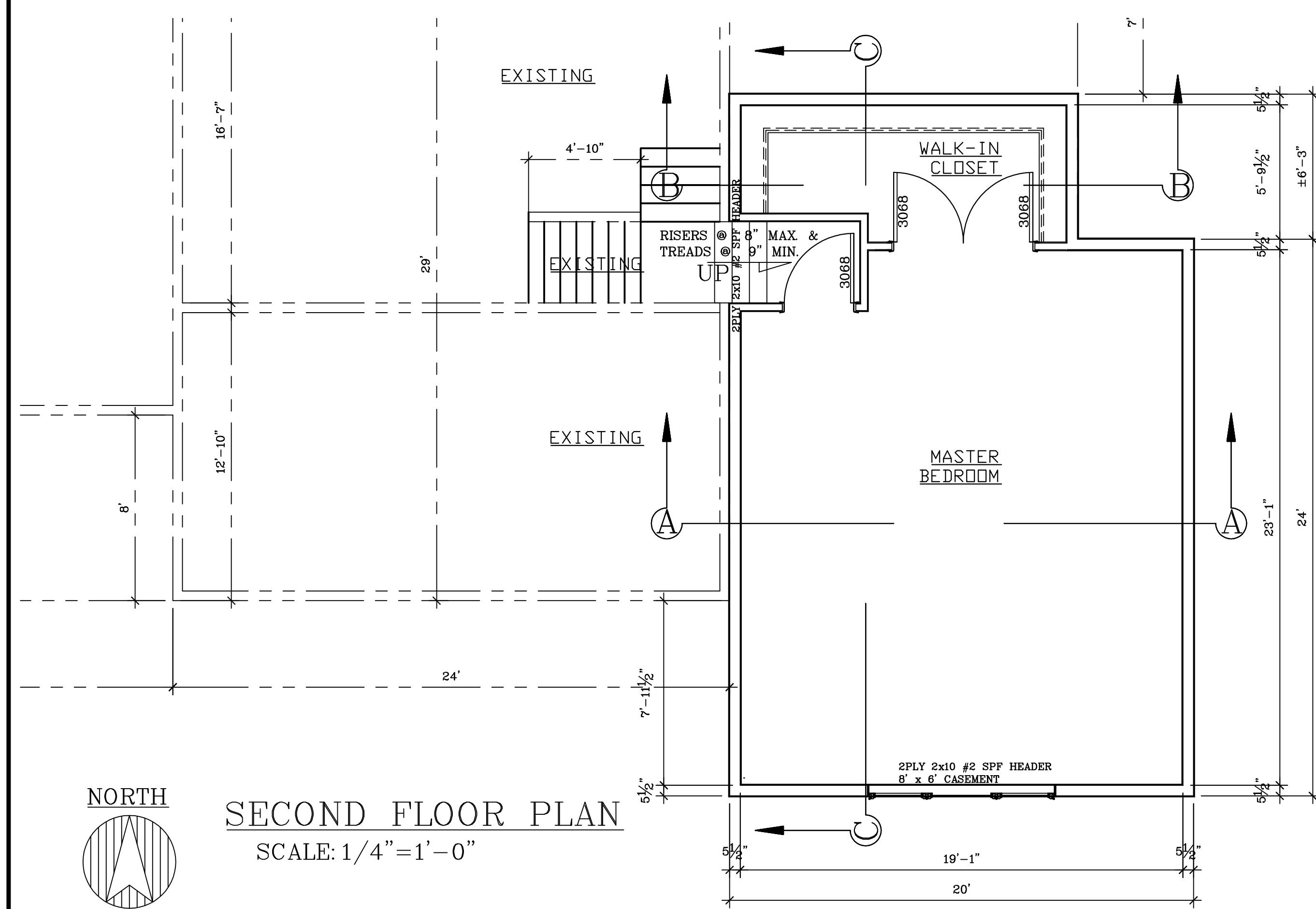
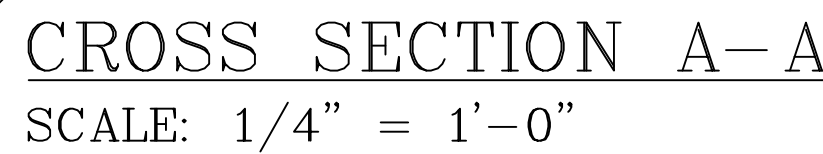






NOTE: WSP- Wood Structural
Panel to be 3/8" for maximum 16"o.c. stud spacing; 7/16" for maximum 24"o.c. stud spacing. Max. wall height to be 10'. Panel width to be 48".
Fasten with 6d common nail or 8d box nail (2-1/2" long x .113" diameter) spaced 6" o.c. on the edges, and 12" o.c. in the field using nails or 7/16" crown 16 gage staples, 1-1/4" long spaced 3" o.c. on the edges, and 6" o.c. in the field using staples.
GB- Gypsum Board Panel to be minimum 1/2" for maximum 24"o.c. stud spacing. Max. wall height to be 10'. Panel width to be 96" on both sides of wall. Fasten with 5d cooler nail or #6 screws. spaced 7" o.c. on the edges, and 7" o.c. in the field.
NOTE: A braced wall panel must start within 12'-6" from the end of a rectangle side & braced panels must be spaced a maximum of 21' edge to edge along the rectangle side.

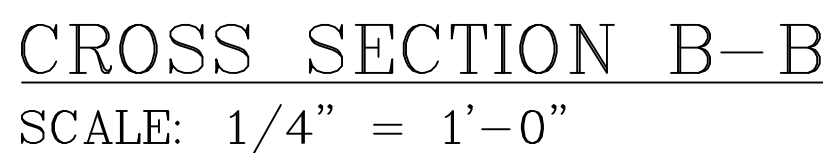


Figure 321.25-A

METHOD PF – PORTAL FRAME BRACE CONSTRUCTION

FRONT ELEVATION

SECTION

OVER CONCRETE OR MASONRY BLOCK FOUNDATION

OVER RAISED WOOD FLOOR – FRAMING ANCHOR OPTION

OVER RAISED WOOD FLOOR – OVERLAP OPTION

MINIMUM PANEL LENGTH

WALL HEIGHT, H, WITH 2"	8"	9"	10"	11"	12"
WALL LENGTH, IN.	16	18	20	22	24

Annotations:

- EXTENT OF HEADER WITH DOUBLE PORTAL FRAMES (TWO PORTAL FRAME PANELS)
- EXTENT OF HEADER WITH SINGLE PORTAL FRAME PANEL
- 2' - 18" FINISHED WIDTH OF OPENING FOR SINGLE OR DOUBLE PORTAL
- 4' MAX TOTAL WALL HEIGHT
- 10' MAX PANEL HEIGHT
- MIN. 3' X 11-1/4" NET HEADER
- STEEL HEADER PROHIBITED
- FASTEN SHEATHING TO HEADER WITH 8D COMMON OR GALVANIZED BOX NAILS IN 3" GRID PATTERN AS SHOWN
- HEADER TO JACK-STUD STRAP ON BOTH SIDES OF OPENING OPPOSITE SIDE OF SHEATHING; STRAP CAPACITY SHALL EQUAL 1,000 LBS. OR 4,000 LBS. WHEN PONY WALL IS PRESENT
- MIN. DOUBLE STUD FRAMING COVERED WITH MIN. 7/16" THICK WOOD STRUCTURAL PANEL SHEATHING WITH 8D COMMON OR GALVANIZED BOX NAILS AT 3" O.C. IN WALL FRAMING (STUDS, BLOCKING, AND SILLS) TYP.
- MINIMUM PANEL LENGTH
- WALL HEIGHT, H, WITH 2"
- 8"
- 9"
- 10"
- 11"
- 12"
- WALL LENGTH, IN.
- 16
- 18
- 20
- 22
- 24
- MIN. (2) 1/2" DIAMETER ANCHOR BOLTS INSTALLED PER S. SPS 321.18 (1) (c), WITH 2" X 2" X 3/16" PLATE WASHER
- OVER CONCRETE OR MASONRY BLOCK FOUNDATION
- WOOD STRUCTURAL PANEL
- SHEATHING TO TOP OF BAND OR RIM JOIST
- NAIL SOLE PLATE TO JOIST PER TABLE IN CH. SPS 325 APPENDIX A
- OVER RAISED WOOD FLOOR – FRAMING ANCHOR OPTION
- WOOD STRUCTURAL PANEL
- SHEATHING CONTINUOUS OVER BAND OR RIM JOIST
- NAIL SOLE PLATE TO JOIST PER TABLE IN CH. SPS 325 APPENDIX A
- OVER RAISED WOOD FLOOR – OVERLAP OPTION
- MIN. OVERLAP 9'-14"
- WOOD STRUCTURAL PANEL
- SHEATHING OVER APPROVED BAND OR RIM JOIST
- ATTACH SHEATHING TO BAND OR RIM JOIST WITH 8D COMMON NAILS AT 3" O.C. TOP AND BOTTOM
- WOOD STRUCTURAL PANEL
- SHEATHING OVER APPROVED BAND OR RIM JOIST
- APPROVED BAND OR RIM JOIST
- NAIL SOLE PLATE TO JOIST PER TABLE IN CH. SPS 325 APPENDIX A
- APPROVED BAND OR RIM JOIST
- TENSION STRAP (ON OPPOSITE SIDE OF SHEATHING)
- WSP OR CS-WSP BRACE PANEL
- IF NEEDED PANEL SPLICE EDGES SHALL OCCUR AND BE ATTACHED TO COMMON BLOCKING WITHIN 24" OF WALL MID-HEIGHT ONE ROW OF 3" O.C. NAILING IS REQUIRED IN EACH PANEL EDGE
- TYPICAL PORTAL FRAME CONSTRUCTION
- COMMON STUD AND ONE OR MORE SHOULDER STUDS PER S. SPS 321.25 (3) (b)
- ANCHOR BOLTS PER SPS S. 321.18 (1) (c)
- FASTEN TOP PLATE TO HEADER WITH TWO ROWS OF 16D SINKER NAILS AT 3" O.C. TYP.
- MIN. 7/16" WOOD STRUCTURAL PANEL SHEATHING
- MIN. 2X4 STUDS WITH PONY WALL HEIGHT UP TO 2'; MIN. 2X6 STUDS WITH PONY WALL HEIGHT GREATER THAN 2'.

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