METHOD PF – PORTAL FRAME BRACE CONSTRUCTION

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 PONY WALL HEIGHT

12' 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 ALL FRAMING (STUDS, BLOCKING, AND SILLS) TYP.

MINIMUM PANEL LENGTH

WALL HEIGHT, ft.	8	9	10	11	12
PANEL 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

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'.