FIGURE R602.10.6.2
METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

FIGURE R602.10.6.3
METHOD PFG—PORTAL FRAME AT GARAGE DOOR OPENINGS IN SEISMIC DESIGN CATEGORIES A, B AND C

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OVER CONCRETE OR MASONRY BLOCK FOUNDATION

WOOD STRUCTURAL PANEL SHEATHING TO TOP OF BAND OR RIM JOIST

NAIL SOLE PLATE TO JOIST PER TABLE R602.3(1)

OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION
(WHERE PORTAL SHEATHING DOES NOT LAP OVER BAND OR RIM JOIST)

WOOD STRUCTURAL PANEL SHEATHING OVER APPROVED BAND OR RIM JOIST

NAIL SOLE PLATE TO JOIST PER TABLE R602.3(1)

ATTACH SHEATHING TO BAND OR RIM JOIST WITH 8D COMMON NAILS AT 3" O.C. TOP AND BOTTOM

OVER RAISED WOOD FLOOR - OVERLAP OPTION
(WHERE PORTAL SHEATHING LAPS OVER BAND OR RIM BOARD)

WOOD STRUCTURAL PANEL SHEATHING OVER APPROVED BAND OR RIM JOIST.

NAIL SOLE PLATE TO JOIST PER TABLE R602.3(1)

FASTEN KING STUD TO HEADER WITH 6 16D SINKERS

FASTEN TOP PLATE TO HEADER WITH TWO ROWS OF 16D SINKER NAILS AT 3" O.C. TYP.

MIN. 7/8" WOOD STRUCTURAL PANEL SHEATHING

TYPICAL PORTAL FRAME CONSTRUCTION

MIN. DOUBLE 2x4 POST (KING AND JACK STUD) NUMBER OF JACK STUDS PER TABLES R602.7(1) & (2)

MIN. LENGTH OF PANEL PER TABLE R602.15,5

MIN. DIAMETER ANCHOR BOLTS INSTALLED PER SECTION R403.1.6 WITH 2 3/4" EYE PLATE WASHER

EXTENT OF HEADER WITH DOUBLE PORTAL FRAMES (TWO BRACED WALL PANELS)

EXTENT OF HEADER WITH SINGLE PORTAL FRAME (ONE BRACED WALL PANEL)

FINISHED WIDTH OF OPENING FOR SINGLE OR DOUBLE PORTAL

EVENLY DISTRIBUTED (3" GRID PATTERN AS SHOWN) SHEATHING COVERED WITH MIN. 1/4" THICK WOOD STRUCTURAL PANEL SHEATHING WITH 8D COMMON OR GALVANIZED BOX NAILS AT 3" O.C. IN ALL FRAMING (2X4s, BLOCKING, AND SILLS) TYP.

MIN. 3x11 1/2" NET HEADER STEEL HEADER PROHIBITED IF 1/2" SPACER IS USED, PLACE ON BACK SIDE OF HEADER

HEADER TO JACK-STUD STRAP PER TABLE R602.15.5 ON BOTH SIDES OF OPENING OPPOSITE SIDE OF SHEATHING

FIGURE R602.10.6.4

METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.