



MASON COUNTY COMMUNITY SERVICES DEPARTMENT

Community Development - Building Division

Mason County Bldg. 8, 615 West Alder Street, Shelton, WA 98584

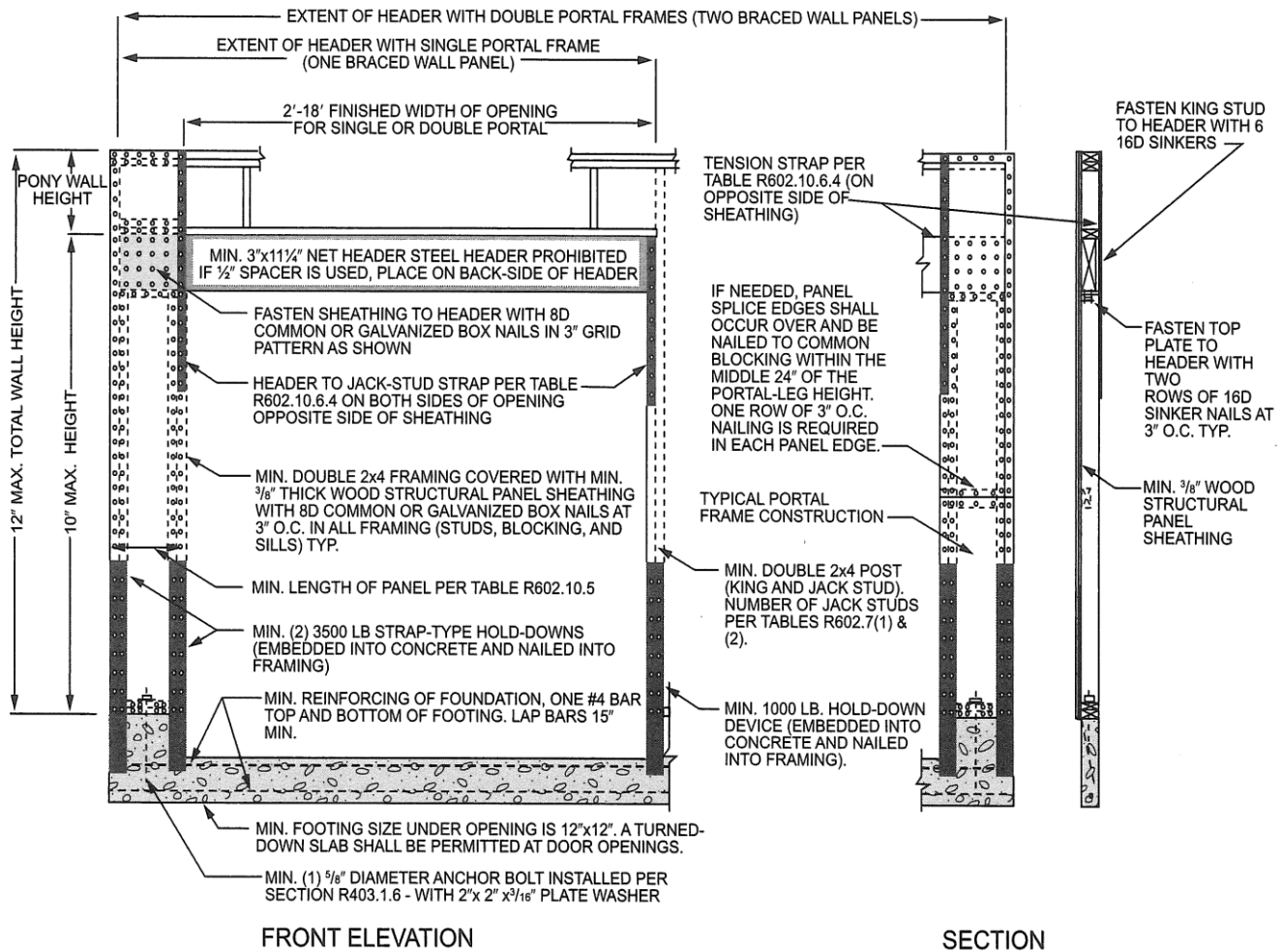
www.co.mason.wa.us

Shelton (360)427-9670 x352

Belfair (360)275-4467 x352

Elma (360)482-5269 x352

Adjacent to a Door or Window Opening (IRC R602.10.6.2)



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

Alternate braced wall panels constructed in accordance with one of the following provisions are also permitted to replace each 4- feet of braced wall panel as required by Section R602.10.6 for use adjacent to window or door opening, with a full-length header.

1. In one-story building, each panel shall have a length of not less than 16-inches and a height not more than 10-feet. Each panel shall be sheathed on one face with a single layer of 3/8-inch minimum thickness wood structural panel sheathing nailed with 8d common or galvanized box nails in accordance with Figure R602.10.6.2. The wood panel shall extend up over the solid sawn or glue-laminated header and shall be nailed in accordance to the figure. Use of built-up header consisting of at least two 2"x12" s fastened in accordance with Table R602.3.(1) shall be permitted where approved. The header shall extend between the inside faces of the first full length outer studs of each panel. The clear span of the header between the inner studs of each panel shall not be less than 2-feet and not more than 18-feet in length. A strap with an uplift capacity of not less than 1,000 lbs shall fasten the header to the side of the inner studs opposite the sheathing. One anchor bolt not less than 5/8" diameter shall be installed in the center of each sill plate. The studs at each end of the panel shall have a tie-down device fastened to the foundation with an uplift capacity of not less than 3,500 lbs. Tie-down devices shall be an embedded strap type, installed in accordance with the manufacturer's recommendations. The panels shall be supported directly on a foundation which is continuous across the entire length reinforced with not less than one- #4 bar top and bottom.
2. In the first story of a two-story, each wall panel shall be braced in accordance with item #1 above, except that each panel shall have a length of not less than 24-inches.