ALTERNATE BRACED WALL PANEL AT GARAGE DOOR OPENINGS

2 x 6 stiff back for ceiling joists the width of the garage door

Location of brace

A pony wall that exceeds 4 ft in height must be braced with diagonal (45 degree) from header to ceiling joist or truss.
1 brace for a 10' or 12' door
2 braces for a 14' to 18' door

Min. 3" x 11.25" header - Max. header length = 22 ft.
Header fastened to king stud with min. eight 12d box nails.
Full length 2x4 for the garage track with min. eight 12d nails in the pony wall and in the jack stud.

Fasten sheathing to header, studs, and sill plate with 8d box nails at perimeter, min. 3" o.c. on the header as shown. (or 16 ga. 1-1/2" staples at 3" o.c.)

Min. 7/16" OSB
Min. width = 16" for a one-story structure, * 24" for the first story of a two-story structure. **

Two 1/2" anchor bolts with washers

If the width is 12" or greater but less than 16" - then 3/4" OSB with 8d nails 3" o.c. on all studs, plates, and headers is required. And one 1/2" anchor bolt with one anchor strap on each end of the foundation stud wall is required. A wall less than 12" in width must be designed by a licensed structural engineer.

* ** A braced wall less than 24" width for a 2 story structure must be designed by a licensed structural engineer.

Wood structural panel cut around openings (no splices in the knee area)

A separate header with king studs is required for each garage door opening.

A panel splice shall be blocked and occur within 24" of mid-height of this wall.

pony wall
If the pony wall is greater than 2 ft. but less than 4 ft. in height, a 2 x 12 the width of the garage door and centered on the header is required as shown.

2 x 6 infill
garage door header

Max. Height 10'

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