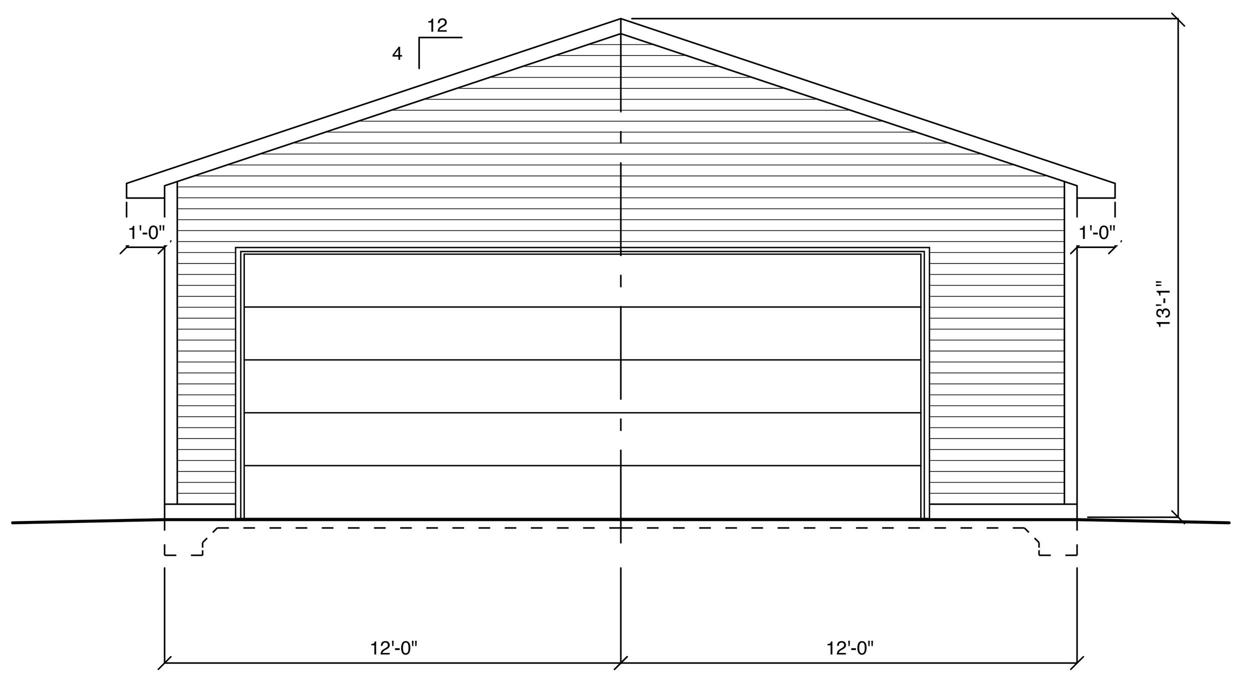
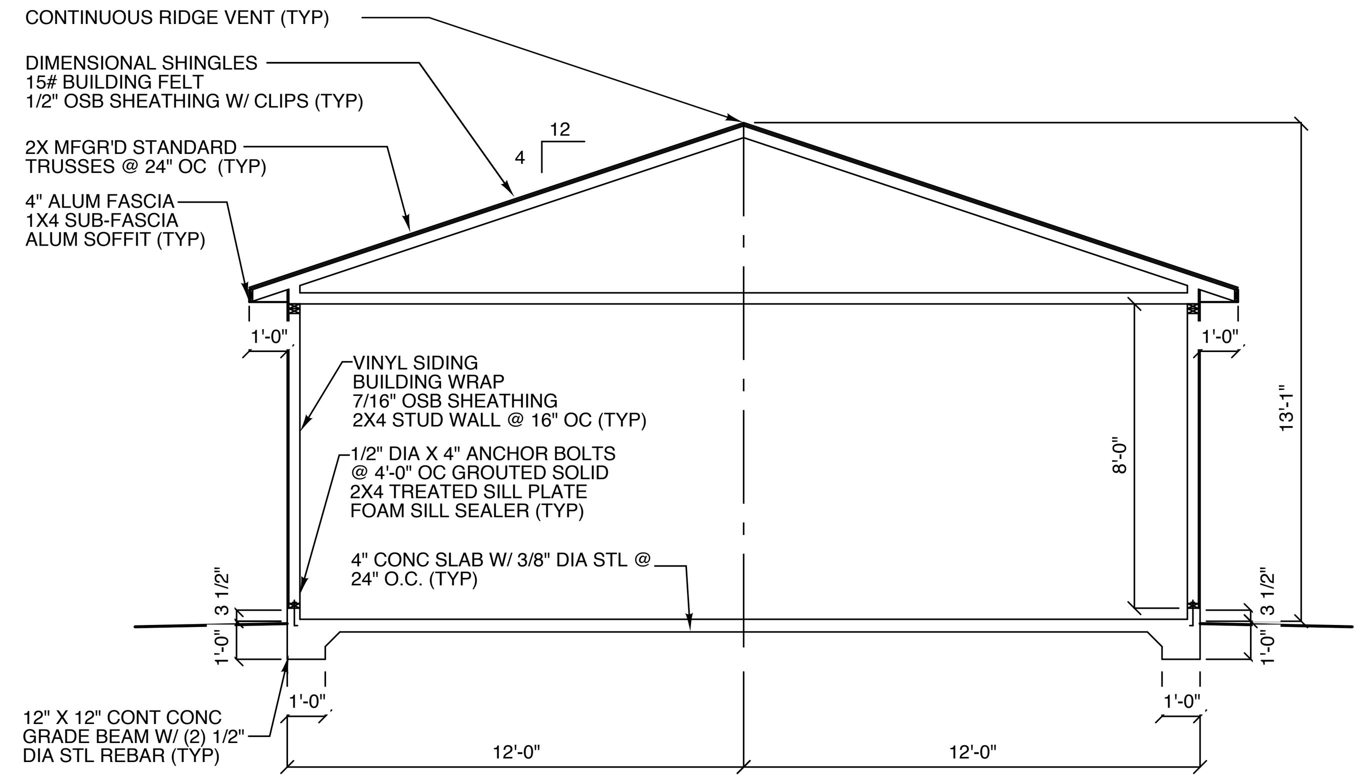


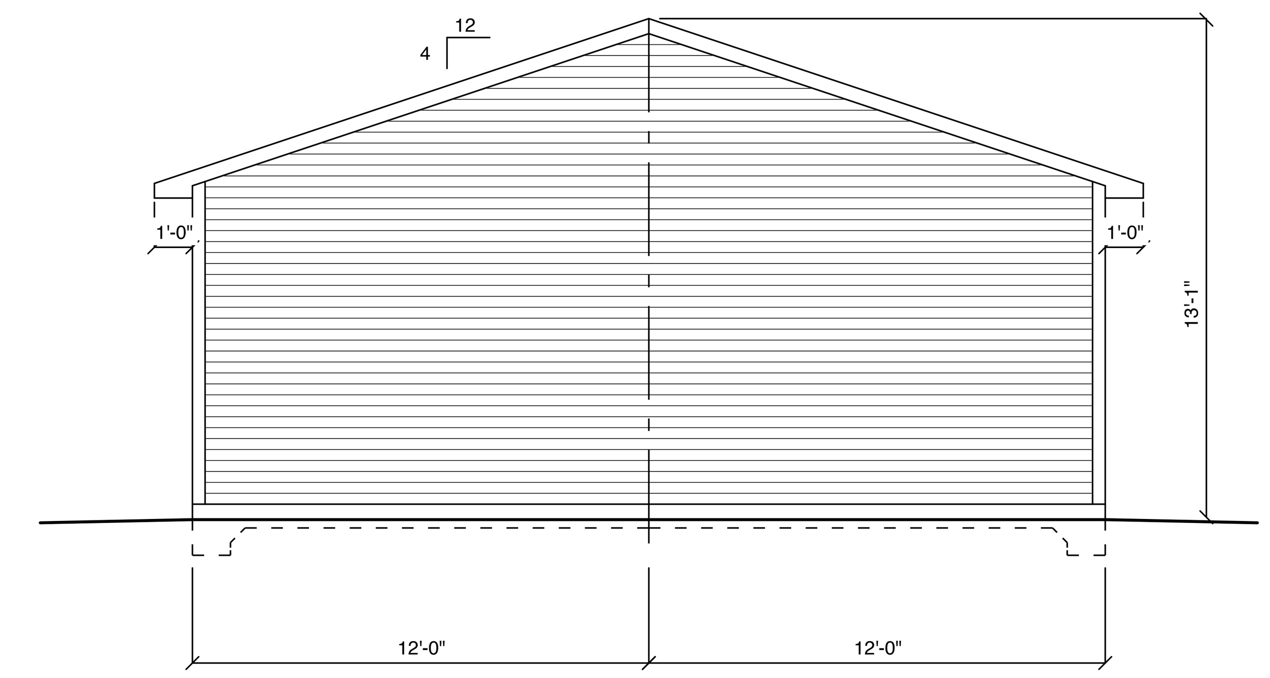

FRONT ELEVATION

SCALE: 1/4" = 1'-0"



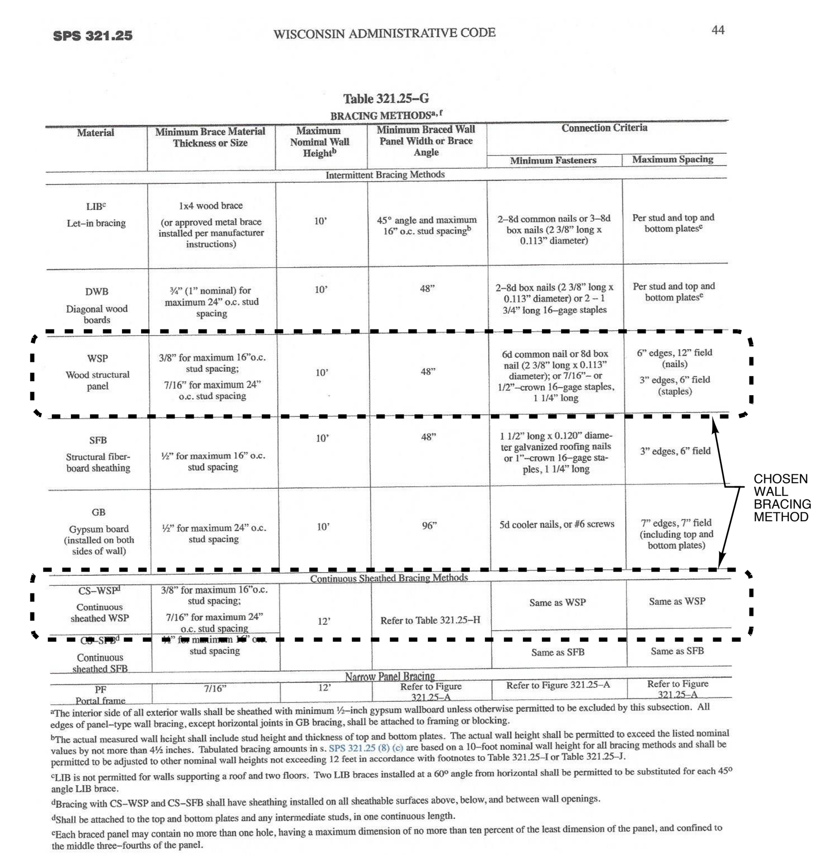

TYPICAL PARTIAL WALL SECTION

SCALE: 1/4" = 1'-0"




REAR ELEVATION

SCALE: 1/4" = 1'-0"



SPS 321.25 WISCONSIN ADMINISTRATIVE CODE 44

**Table 321.25–G**
**BRACING METHODS[a, f]**

| Material | Minimum Brace Material Thickness or Size | Maximum Nominal Wall Height[b] | Minimum Braced Wall Panel Width or Brace Angle | Connection Criteria: Minimum Fasteners | Connection Criteria: Maximum Spacing |
|---|---|---|---|---|---|
| Intermittent Bracing Methods | | | | | |
| LIB[c] Let–in bracing | 1x4 wood brace (or approved metal brace installed per manufacturer instructions) | 10' | 45° angle and maximum 16" o.c. stud spacing[b] | 2–8d common nails or 3–8d box nails (2 3/8" long x 0.113" diameter) | Per stud and top and bottom plates[e] |
| DWB Diagonal wood boards | ¾" (1" nominal) for maximum 24" o.c. stud spacing | 10' | 48" | 2–8d box nails (2 3/8" long x 0.113" diameter) or 2 – 1 3/4" long 16–gage staples | Per stud and top and bottom plates[e] |
| WSP Wood structural panel | 3/8" for maximum 16"o.c. stud spacing; 7/16" for maximum 24" o.c. stud spacing | 10' | 48" | 6d common nail or 8d box nail (2 3/8" long x 0.113" diameter); or 7/16"– or 1/2"–crown 16–gage staples, 1 1/4" long | 6" edges, 12" field (nails) 3" edges, 6" field (staples) |
| SFB Structural fiber-board sheathing | ½" for maximum 16" o.c. stud spacing | 10' | 48" | 1 1/2" long x 0.120" diameter galvanized roofing nails or 1"–crown 16–gage staples, 1 1/4" long | 3" edges, 6" field |
| GB Gypsum board (installed on both sides of wall) | ½" for maximum 24" o.c. stud spacing | 10' | 96" | 5d cooler nails, or #6 screws | 7" edges, 7" field (including top and bottom plates) |
| Continuous Sheathed Bracing Methods | | | | | |
| CS–WSP[d] Continuous sheathed WSP | 3/8" for maximum 16"o.c. stud spacing; 7/16" for maximum 24" o.c. stud spacing | 12' | Refer to Table 321.25–H | Same as WSP | Same as WSP |
| CS–SFB[d] Continuous sheathed SFB | ½" for maximum 16" o.c. stud spacing | | | Same as SFB | Same as SFB |
| Narrow Panel Bracing | | | | | |
| PF Portal frame | 7/16" | 12' | Refer to Figure 321.25–A | Refer to Figure 321.25–A | Refer to Figure 321.25–A |

[a]The interior side of all exterior walls shall be sheathed with minimum ½–inch gypsum wallboard unless otherwise permitted to be excluded by this subsection. All edges of panel–type wall bracing, except horizontal joints in GB bracing, shall be attached to framing or blocking.

[b]The actual measured wall height shall include stud height and thickness of top and bottom plates. The actual wall height shall be permitted to exceed the listed nominal values by not more than 4½ inches. Tabulated bracing amounts in s. SPS 321.25 (8) (c) are based on a 10–foot nominal wall height for all bracing methods and shall be permitted to be adjusted to other nominal wall heights not exceeding 12 feet in accordance with footnotes to Table 321.25–I or Table 321.25–J.

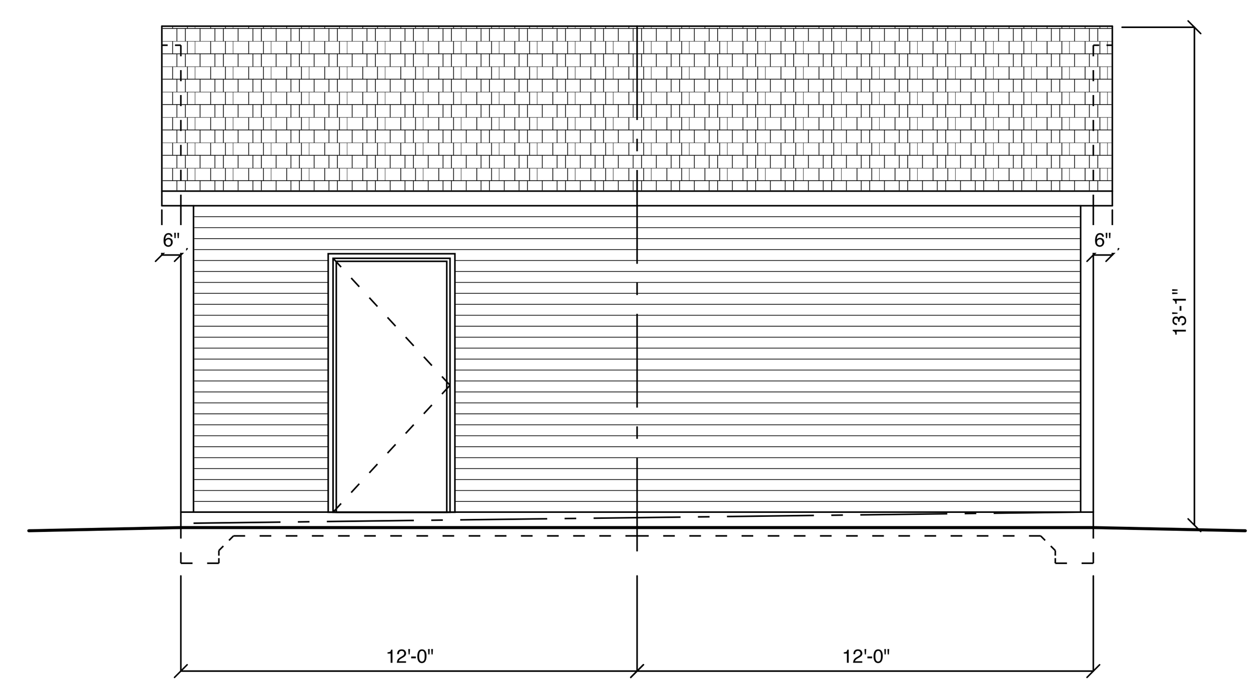
[c]LIB is not permitted for walls supporting a roof and two floors. Two LIB braces installed at a 60° angle from horizontal shall be permitted to be substituted for each 45° angle LIB brace.

[d]Bracing with CS–WSP and CS–SFB shall have sheathing installed on all sheathable surfaces above, below, and between wall openings.

[d]Shall be attached to the top and bottom plates and any intermediate studs, in one continuous length.

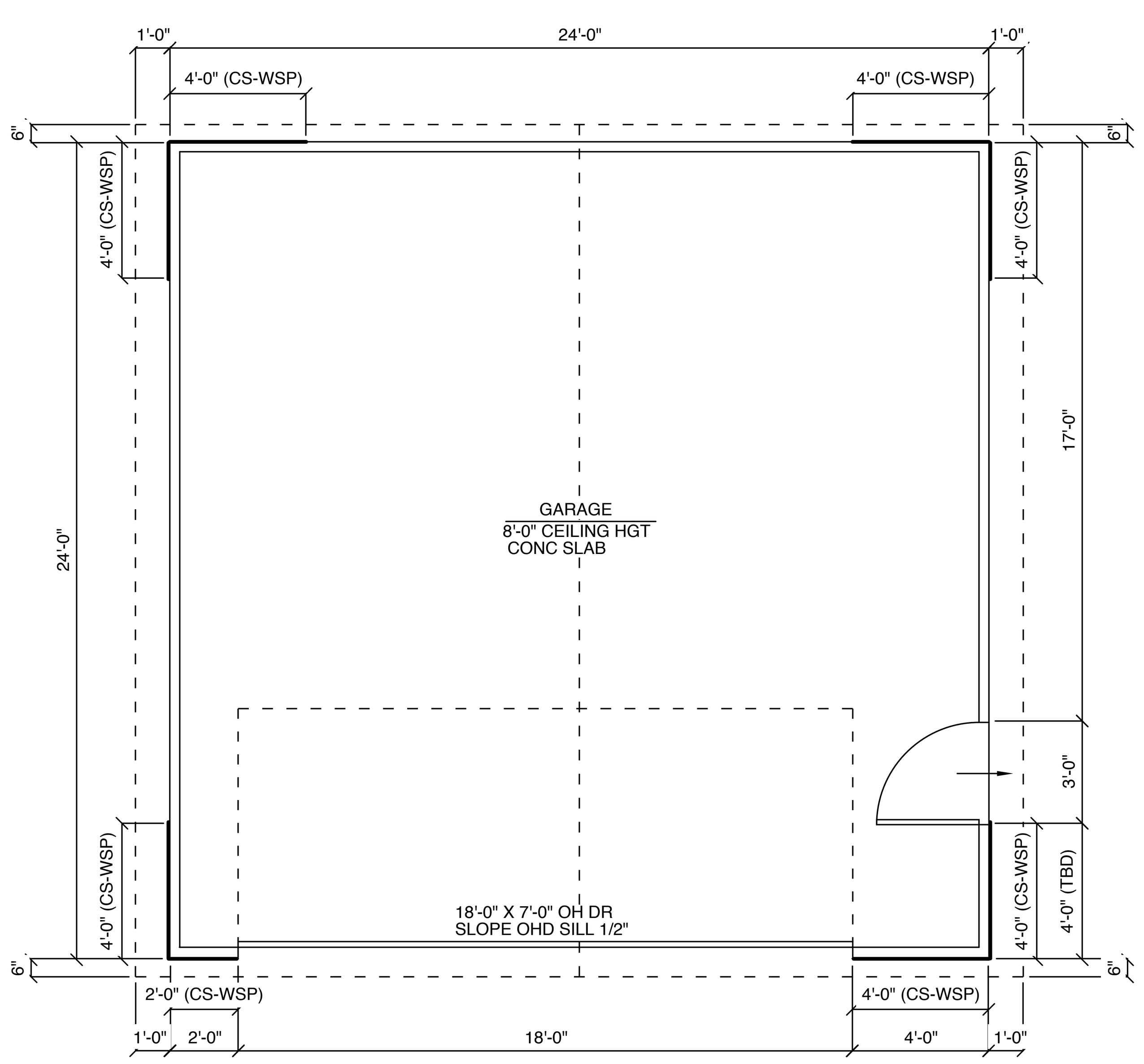
[e]Each braced panel may contain no more than one hole, having a maximum dimension of no more than ten percent of the least dimension of the panel, and confined to the middle three–fourths of the panel.

CHOSEN WALL BRACING METHOD



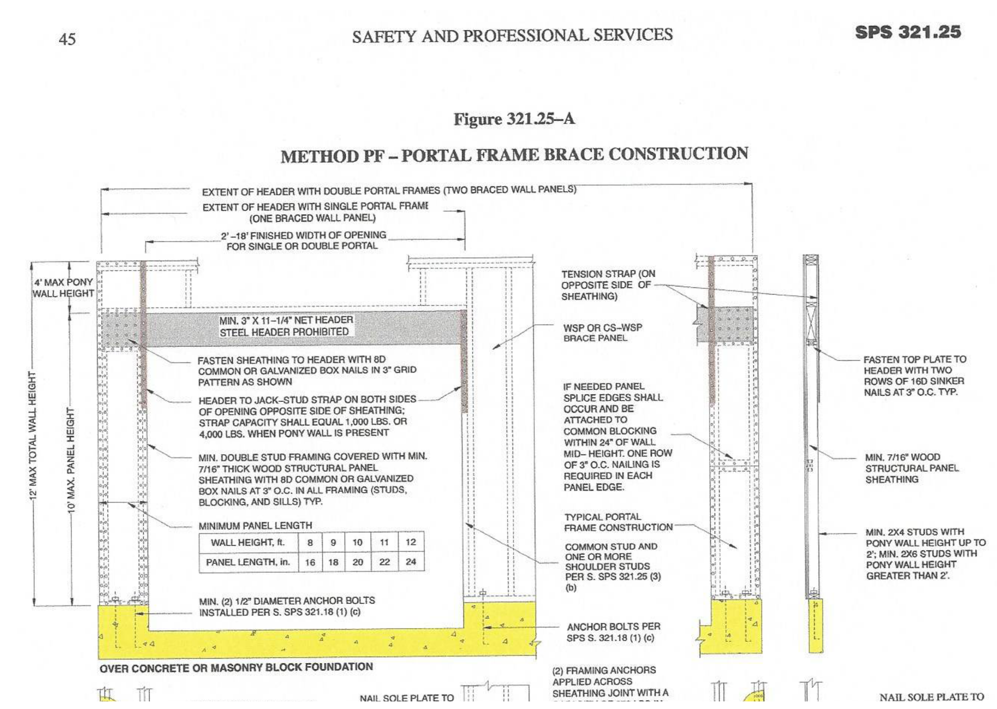

RIGHT ELEVATION

SCALE: 1/4" = 1'-0"

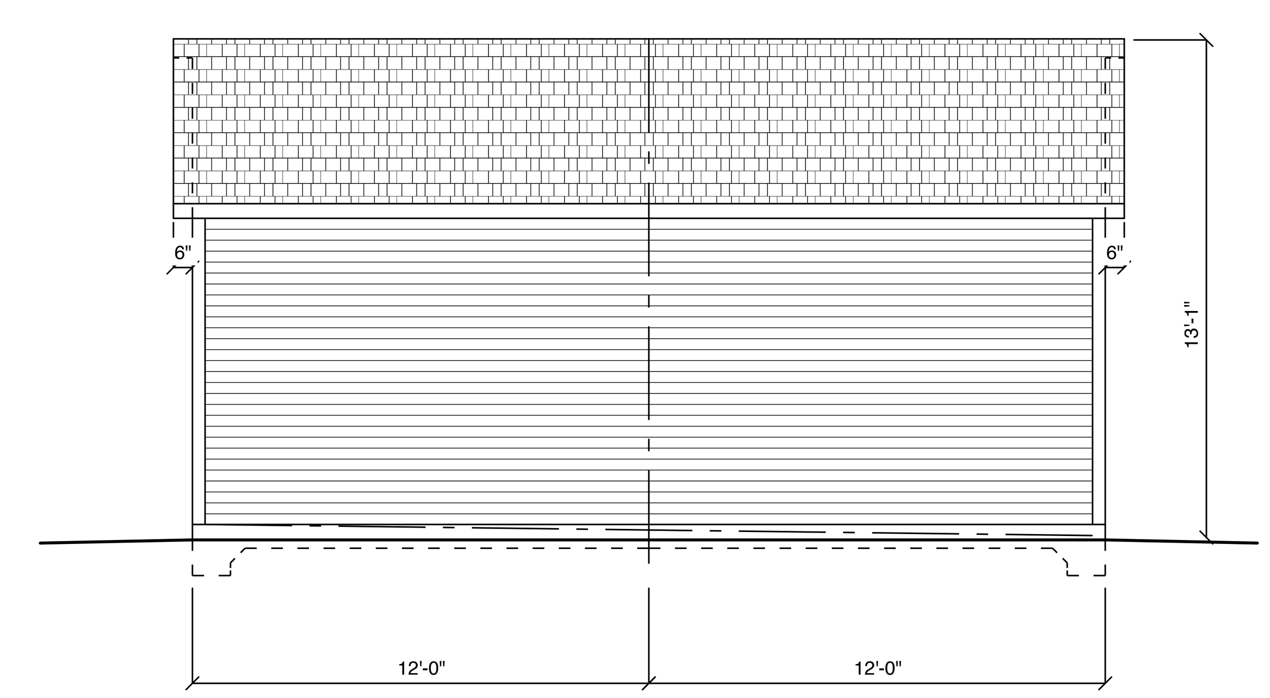



PROPOSED GARAGE FLOOR PLAN

SCALE: 1/4" = 1'-0"




CHOSEN WALL BRACING @ GARAGE DOOR WALLS




LEFT ELEVATION

SCALE: 1/4" = 1'-0"

REVISIONS:

**AMERICAN GARAGE BUILDERS-KENNER**
NEW CONSTRUCTION
3001 W. MCKINLEY BLVD
MILWAUKEE, WI 53208

SHEET TITLE
PROPOSED FLOOR PLAN, BUILDING SECTION & EXTERIOR ELEVATIONS

| | |
|---|---|
| DRAWN | GE |
| CHECKED | GE |
| DATE | 3 DECEMBER 2021 |
| JOB NO. | 2021.02.43 |
| SHEET | A1 |
| OF | |