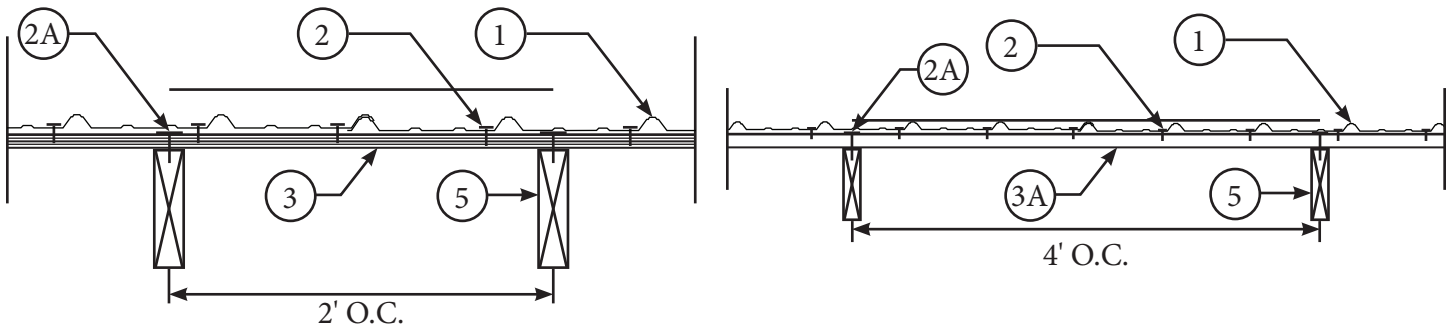


Roof Deck Constructions  
**Construction No. 560**  
 November 21, 2018  
**Uplift - Class 90**  
**Fire Not Investigated**



**MENARDS/MIDWEST MFG — “Pro-Rib” or “Premium Pro-Rib”**

1. **Metal Roof Deck Panels\*** — No. 29 MSG min coated steel. Max panel width 36 in Rib height max 3/4 in. Panels continuous over two or more spans. Panels to overlap 6 in. at endlaps and must occur adjacent to a support when plywood decking (Item 3) is not used. A bead of sealant may be used at panel endlaps and sidelaps.

2. **Fasteners — (Screws)** — For panel attachment to wood deck (Item 3), fasteners to be 1/4 in. -14x1-1/2 in. long Type AB of No. 14x1-1/2 in. long Type A when substructure is plywood decking (Item 3). When 2x4 lathing (Item 3A) is used, fasteners may be any of the following: 1/4 in. -14x1-1/2 in. long Type AB, No. 14x1-1/2 in. long Type AB, No. 14x1-1/2 in. long Type A, No. 10x1-1/2 in. long Woodgrip or No. 10-14 x 1-1/2 in. hex-washer head wood screw with bonded neoprene washer. Fasteners to be installed 24 in. OC along the length of the panel. Fastener spacing across the width of panel to 9 in. on center beginning 1-3/4 in. from the center line on one side of each major rib. Fastener spacing at panel ends to be in a 1-3/4 in. from the center line on one side of each major rib. Fastener spacing at panel ends to be in a 1-3/4, 5-1/2, 3-3/4, 5-1/2, 3-3/4, 5-1/2, 3-3/4, 5-1/2 in.

2A. **Fasteners — (Screws and Nails)** — For attachment of plywood deck (Item 3) to joists (Item 5), fasteners to be min. No. 6x1-7/8 in. long bugle head screw or annular ring-shank nails. Spacing to be 6 in. OC at plywood edges and 12 in. OC at intermediate supports.

2B. **Fasteners — (Screws)** — For attachment of 2x4 lathing (Item 3A) to joists (Item 5), fasteners to be min. No. 8x3 in. long bugle head screw, two screws per attachment point.

3. **Substructure — (Plywood)** — Plywood decking to be a nom 5/8 in. thick, exposure sheathing span C-D, 40/20 plywood. All butt joints to be sealed against leakage by using tape and/or caulk or with one- part urethane sealant.

3A. **Substructure — (Lathing)** — Lathing to be nominal 2x4 wood, No. 2 or better, spaced 24 in. on center max.

4. **Moisture Barrier — (Optional)** (Not Shown) — Any suitable membrane to protect substructure (Item 3 or 3A).

5. **Joists** — Joists spaced at 2 ft, 0 in. OC when plywood decking is used and 48 in. on center when 2x4 lathing (Item 3A) is used, may be one of the following:

A. Nom 2 by 10 in. wood joists No. 2 or better.

B. Nom 2 by 4 in. wood when used on a top cord of a wood truss, No. 2 or better.

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.