



Roof Deck Constructions

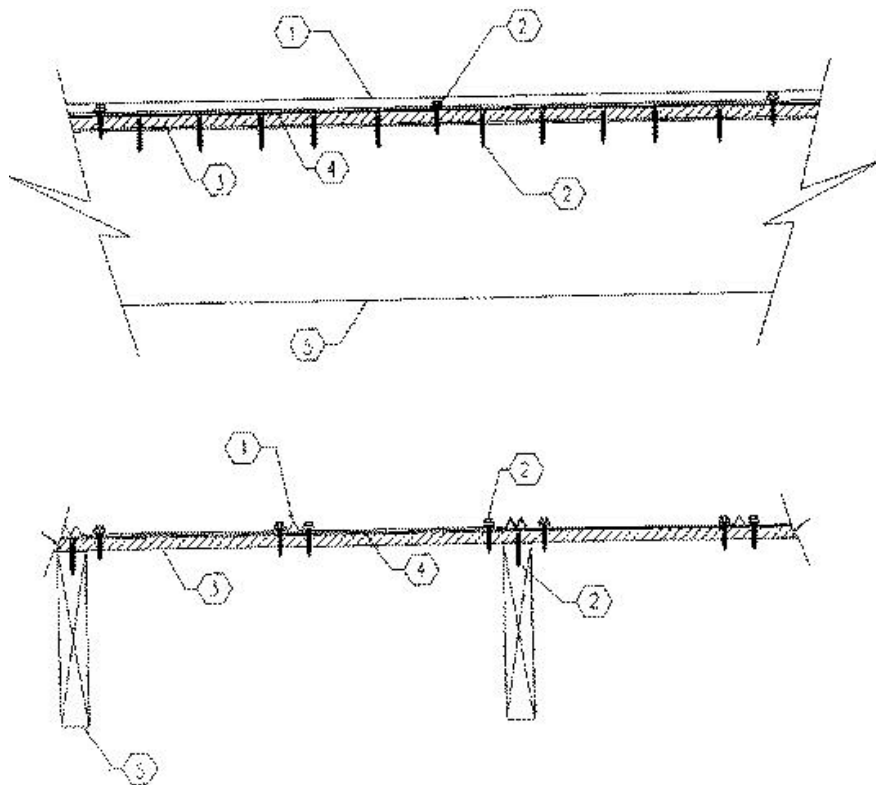
Berridge "Double-Rib" Panel

Construction No. 453

November 11, 2003

Uplift — Class 90

Fire Not Investigated



1. **Metal Roof Deck Panels*** — No. 26 MSG minimum coated steel. Maximum panel width 24 in. Rib height maximum 1/2 in. Panels continuous over two or more spans. A bead of sealant may be used at panel sidelaps.

BERRIDGE MFG CO — "Double-Rib Panel"

2. **Fasteners — (Screws)** — For panel attachment to wood deck (Item 3), fasteners to be #14-10 x 1-1/2 in. Type A, Hex-head with separate 5/8 in. OD steel washer and a bonded neoprene washer or 9-15 x 1-1/2 in. longlife or #1 x 1-1/2 in. Woodmac with sealing washer. Fastener spacing is as follows: a line of fasteners is to be installed, beginning from the center of the double V at the sidelap in 2-9-2-9 in. pattern for a total of four fasteners across the width of the panel. This fastener spacing to be 3 feet on center along the length of the panel is 3 feet on center. For attachment of plywood deck (Item 3) to joists (Item 5), fasteners to be minimum No.

6x1-7/8 in. bugle head screw or annular ring-shank nails. Spacing to be 6 in. OC at plywood edges and 12 in. OC at intermediate supports.

When light gauge structural steel joists are used, fasteners to be No. 12x1-5/8 in. long with a Phillips head.

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.

4. **Moisture Barrier** — (Optional) Any suitable membrane to protect substructure (Item 3).

5. **Joists** — Joists spaced at 2 ft , 0 in. OC; may be one of the following:

A. Nom 2 by 6 in. or 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.

C. Light gauge structural steel framing with the member against the plywood to be a minimum No. 22 MSG coated steel.

Refer to General Information, Roof Deck Construction, (Roofing Materials and Systems Directory) for Items Not Evaluated.

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