

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

Roof Deck Constructions

[See General Information for Roof Deck Constructions](#)

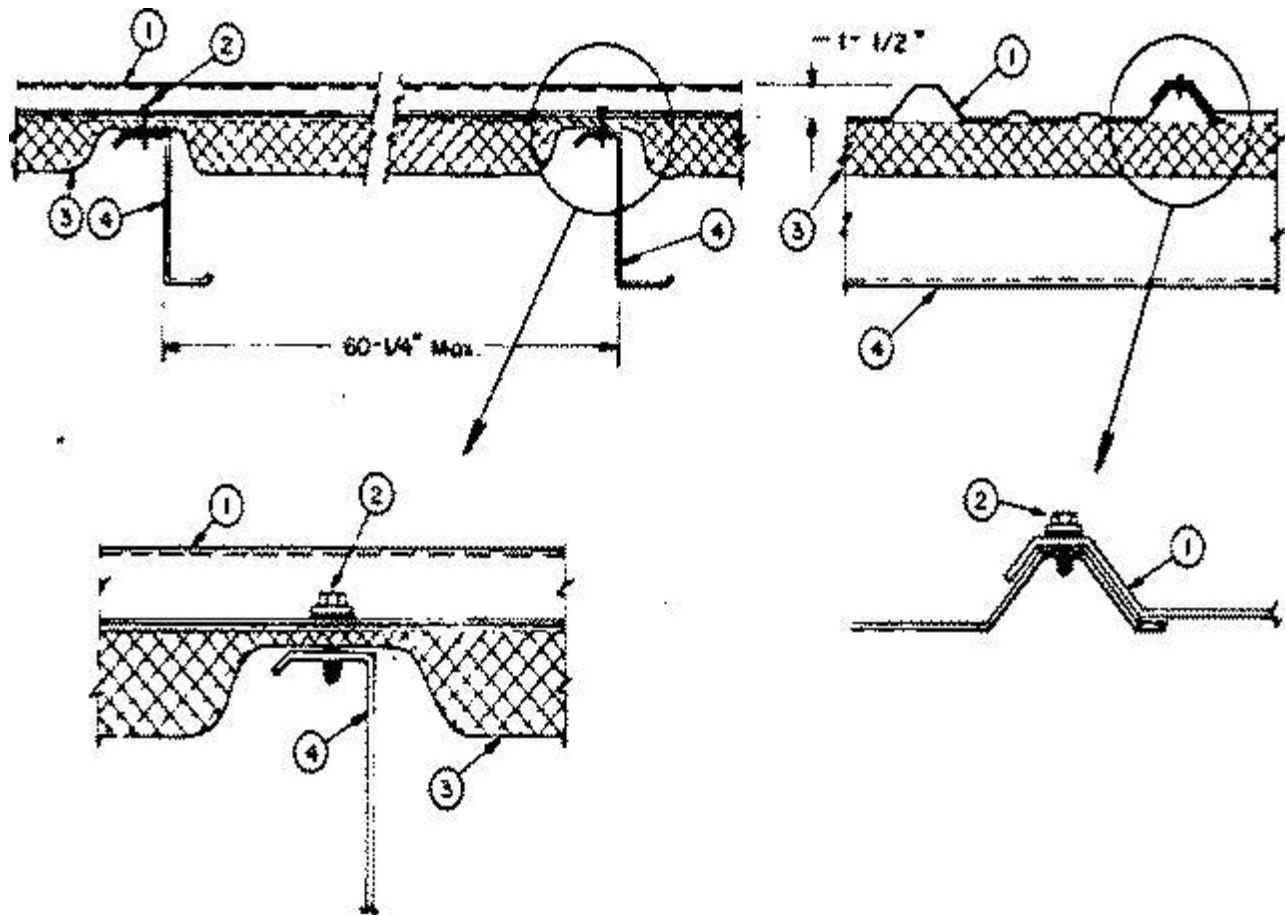
Construction No. 168

July 22, 1998

Uplift

Class 90 or 60

Fire Not Investigated



1. Metal Roof Deck Panels* — No. 26 MSG or No. 24 MSG min gauge coated steel. Panels continuous over two or more spans. End lap to occur over purlins with panels overlapped 6 in. with lap beginning 1 in. from purlin web and extending across purlin flange. A bead of sealant may be used at panel end and side laps.

FABRAL INC ([View Classification](#)) — "Ultra-Rib".

2. Panel Fasteners — For panel to purlin connections, fasteners to be No. 12-14 by 1-1/2 in. self-drilling, self-tapping, hex-head plated steel screws with separate 1/2 in. OD coated steel washer and a bonded neoprene sealing washer. Fasteners, used for panel to panel connections, to be No. 12 by 3/4 in. self-drilling, self-tapping, hex-head plated steel screws with a separate 5/8 in. OD plated steel washer and a bonded neoprene sealing washer. **Spacing** — For panel to purlin fasteners, for Class 90: Spacings to be in a 5-7-12-12-5 in. pattern with fasteners located 2-1/2 in. from the center line on one side of each interior rib and both sides of each side rib. Spacing at panel end lap to be the same. **For Class 60** — To be 12 in. O.C. beginning 2 1/2 in. from the center line on one side of each major rib. Spacing at panel end lap to be the same with an additional fastener at the side lapped major rib. The fasteners located 2 1/2 in. from the centerline of the major ribs. Spacing at side laps to be 12 in. O.C. with a fastener located in line with the purlin fasteners.

3. Insulation — (Optional) — Any compressible blanket insulation 4 in. max thickness before compression.

4. Purlins — No. 16 MSG min gauge steel (min yield strength 50,000 psi).

5. Lateral Bracing — Not shown. As required.

Refer to General Information, Roof Deck Construction (Roofing Materials and Systems Directory) for items not evaluated.

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

Last Updated on 1998-07-22

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