

Design/System/Construction/Assembly Usage Disclaimer

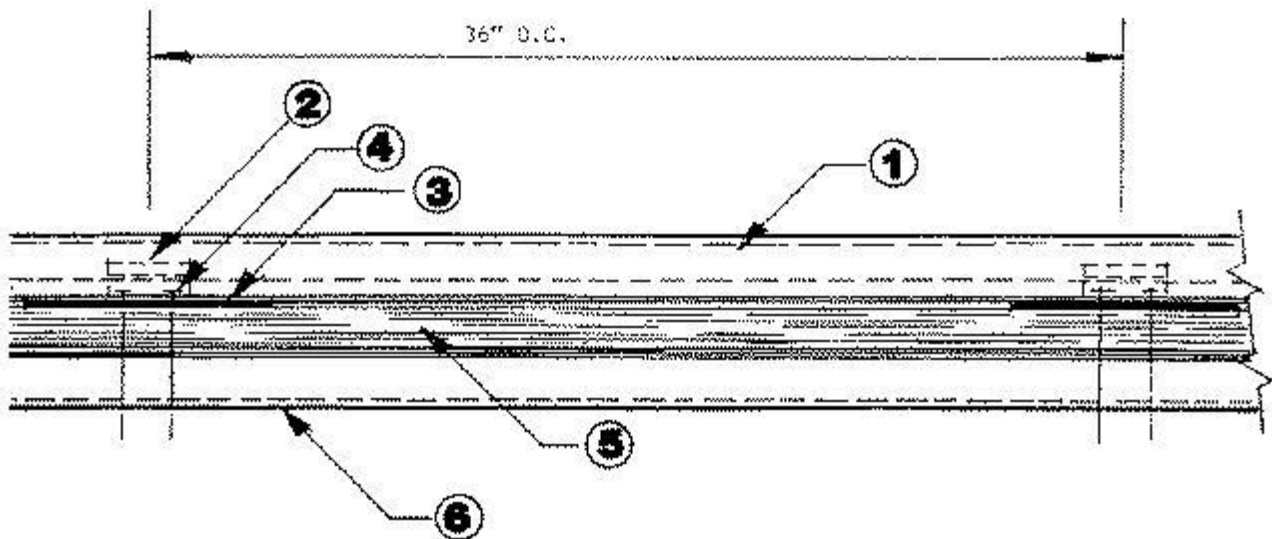
- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies 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.

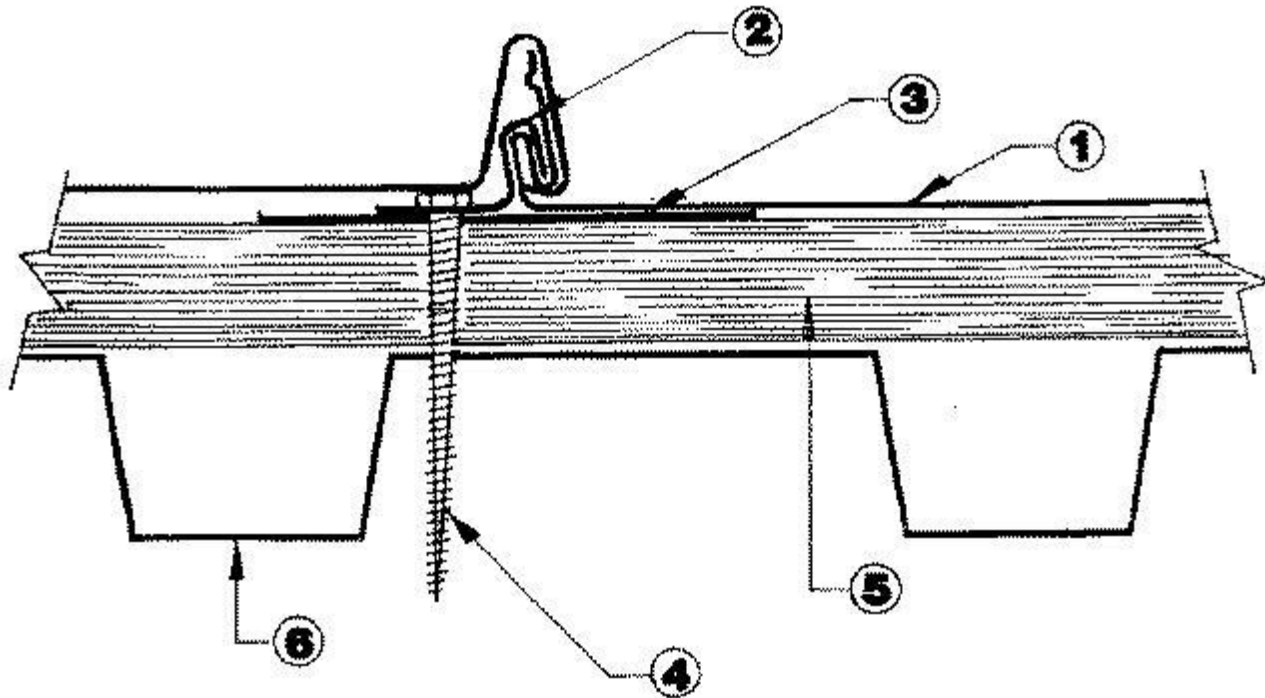
Roof Deck Constructions

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

Construction No. 274A

September 12, 2006

Uplift — Class 90**Fire Not Investigated**



1. Metal Roof Deck Panels* — No. 24 MSG min gauge coated steel, nom 16 or 12 in. wide with 1-1/2 in. high ribs. Panels continuous over two or more spans with no end laps. Factory applied sealant in side lap.

FABRAL INC ([View Classification](#)) — "Slim Seam 812", "Slim Seam 816", "1 1/2" SSR"

2. Roof Deck Fasteners* — (Panel Clips) — No. 22 MSG min gauge coated steel, one piece assembly, 3 in. wide, 3/4 in. high. Panel clips located at panel side ribs and spaced 36 in. OC along panel length.

FABRAL INC ([View Classification](#)) — "Slim Seam Clips"

3. Bearing Plate — No. 24 MSG min thickness steel, 6 in. wide, 6 in. long (min yield strength 33,000 psi).

4. Fasteners (Screws) — Fasteners used to fasten the panel clips and bearing plates (Items 2 and 3) through rigid insulation into liner panels (Item 5) to be No. 14-13, truss head, No. 3 Philips drive steel screws with a drill point. Two screws per clip to be used. Length of screws to be 3/4 in. longer than overall thickness of deck (rigid insulation (4 in. max) plus liner panel).

5. Foamed Plastic — (Rigid Insulation) — (Optional) — Max thickness 4 in. Density to be a min of 2 pcf.

6. Liner Panel — Min thickness No. 22 MSG coated steel (33,000 psi min yield strength) min depth 1-1/2 in., max pitch 6 in., fabricated to various profiles. Fastened to supports (Item 8) with fastener type and spacing per liner panel manufacturer's instructions for uplift loading.

7. Underlayment — (Not shown) — One ply of 30 lb roofing felt or one layer of bituminous resin type water proofing membrane.

8. Supports — (Not Shown) — Used to support liner panels, to be cold formed or hot rolled sections. Gauge, yield strength and spacing to be per liner panel manufacturer's specifications for uplift loading.
Refer to General Information, Roof Deck Constructions, (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.**

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