

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

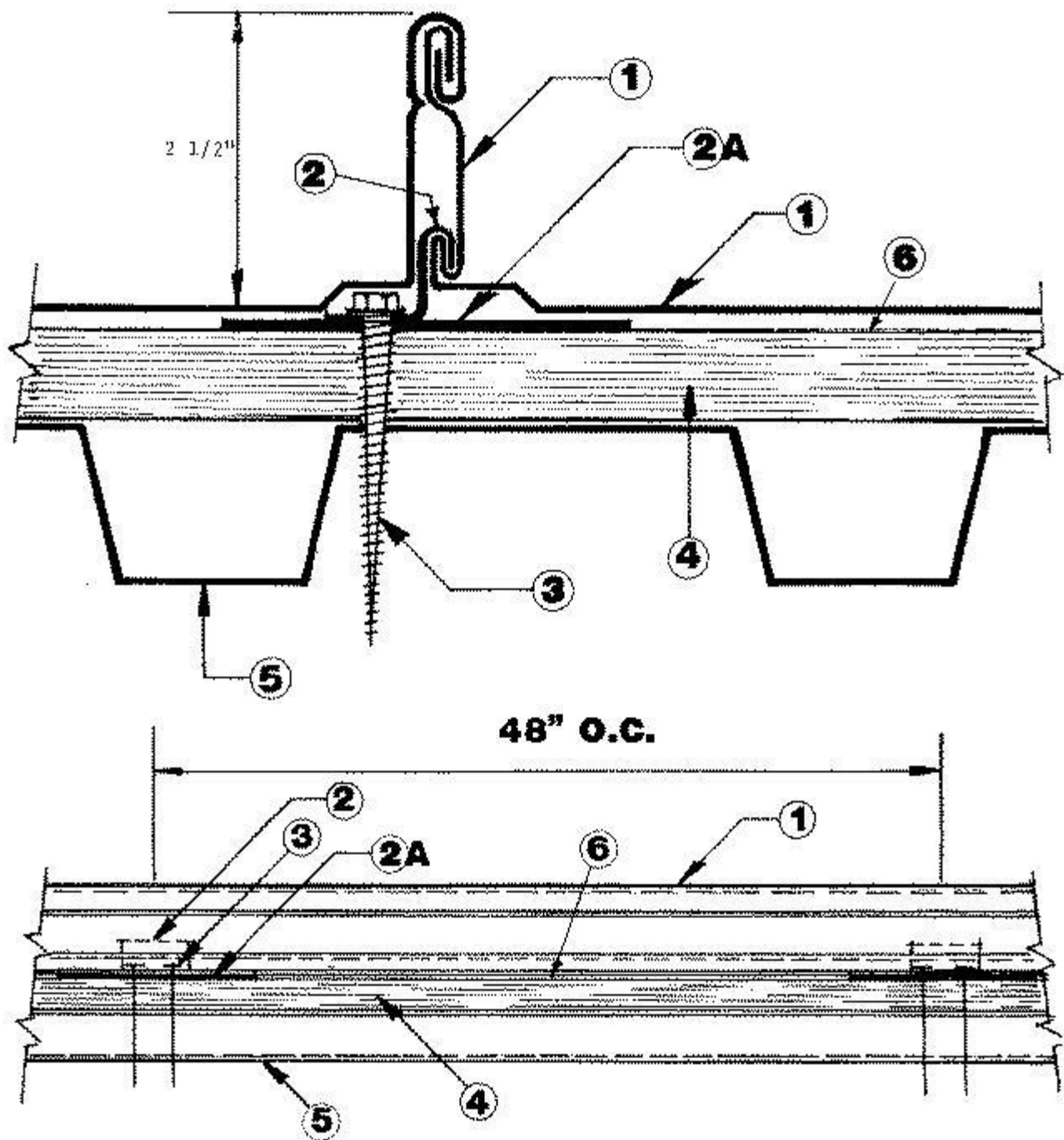
[See General Information for Roof Deck Constructions](#)

Construction No. 275A

November 12, 1998

Uplift — Class 90

Fire Not Investigated



1. Metal Roof Deck Panels — 0.032 in. thick aluminum or No. 24 MSG min coated steel; nom 12 in. or 16 in. wide with 2-1/2 in. high ribs. Panels continuous over two or more spans with no end-laps. Adjacent panels to be seamed with an electric seamer, with seaming operation to include panel clips (Item 2).

FABRAL INC ([View Classification](#)) — "Stand'N Seam"

2. Roof Deck Fasteners (Panel Clips) — No. 18 MSG stainless steel; One piece assembly 3 in. wide, 3/4 in. high. Panel clips located at panel side ribs and spaced 48 in. OC along panel length.

FABRAL INC ([View Classification](#)) — "Stand'N Seam Clip"

2A. Bearing Plate (Bearing Plate) — One Piece assembly, No. 24 MSG min thickness steel, 6 in. wide, 6 in. long. (Min yield strength 33,000 psi).

3. **Fasteners (screws)** — Fasteners, used to fasten the panel clips and bearing plates (Item 2) through rigid insulation and into light gauge steel deck (Item No. 5) to be No. 12-13 Truss Head No. 3 Phillips drive, self-drilling steel screws. Two screws per clip to be used. Length of screws based on overall insulation thickness (4 in. max) plus metal deck depth and to be 3/4 in. longer than overall thickness of assembly.
4. **Foamed Plastic (Rigid Insulation) (Optional)** — Min thickness 1 in., max thickness 6 inches. Density to be a min of 2 pcf.
5. **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.
6. **Underlayment** — One ply of 30 lb roofing felt or one layer of bituminous resin type water proofing membrane.
7. **Supports (Not Shown)** — Used to support liner panels, spaced per liner panel (Item No. 7) manufacturer's specifications for uplift loading.
Refer to General Information, Roof Deck Construction, (Building Materials 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 1998-11-12

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