

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

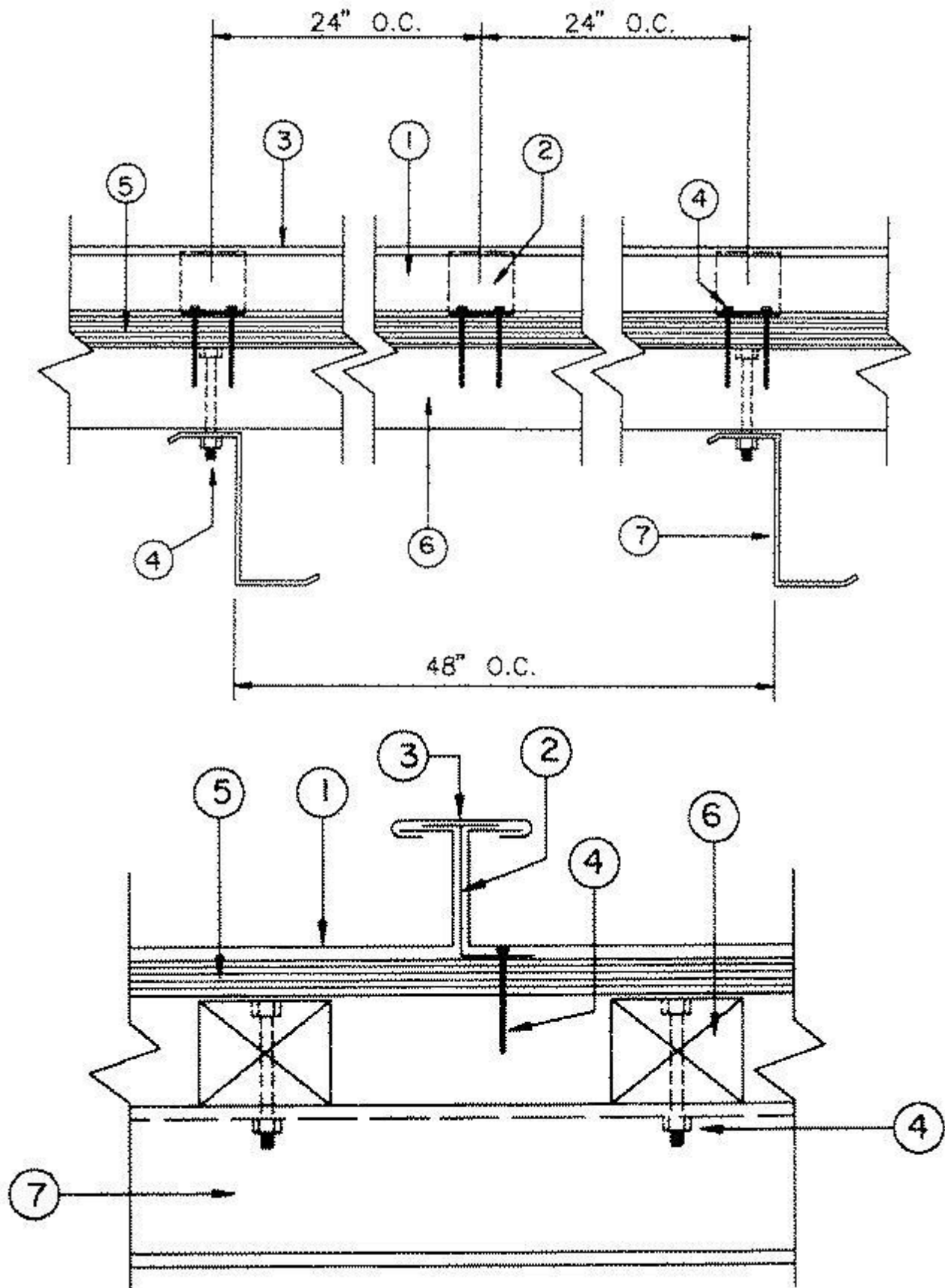
[See General Information for Roof Deck Constructions](#)

Construction No. 415

June 07, 2005

Uplift — Class 90

Fire Not Investigated



1. Metal Roof Deck Panels* — No. 24 MSG min thickness coated steel, 18 in. wide max, 2-3/8 in. max rib height. Panels continuous over two or more spans without end laps. Side laps to be continuously crimped with a special motorized crimping tool. A line of sealant may be used at panel ribs.

FABRAL INC ([View Classification](#)) — "Standing Seam T-Rib"

2. **Roof Deck Fasteners* — (Panel clips)** — One part assembly, 4-1/2 in. wide, 3-3/4 in. max height, min No. 18 MSG thick coated steel. Located at panel side ribs, spaced max 24 in. OC.

FABRAL INC ([View Classification](#)) — "Standing Seam T-Rib Clip"

3. **Panel Cap Strip** — Min No. 24 MSG coated steel, 2-1/2 in. wide. Used at each panel joint. To be included in the crimping operation.

4. **Fasteners — (Screws)** — Fasteners, used to fasten the panel clips to the wood sub-deck to be No. 12-14 by 1 in. long pancake head, wood screws. Two screws per panel clip to be used. Fasteners used to attach the wood joist members to the purlins to be No. 20 by 6 in. long machine bolts located at each intersection. Plywood attached to joists with 8d nails spaced 6 in. OC.

5. **Deck** — Deck to be nom 1/2 in. (15/32 in.) thick Standard Sheathing, 32/16 plywood.

6. **Wood Joists** — Joists to be nom 2 by 4 in. (1-1/2 by 3-1/2 in. actual) wood members spaced a max of 18 in. OC.

7. **Structural Supports** — Cold-rolled sections, wood trusses or other members. Spaced 48 in. OC.

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 2005-06-07

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