

Design/System/Construction/Assembly Usage Disclaimer

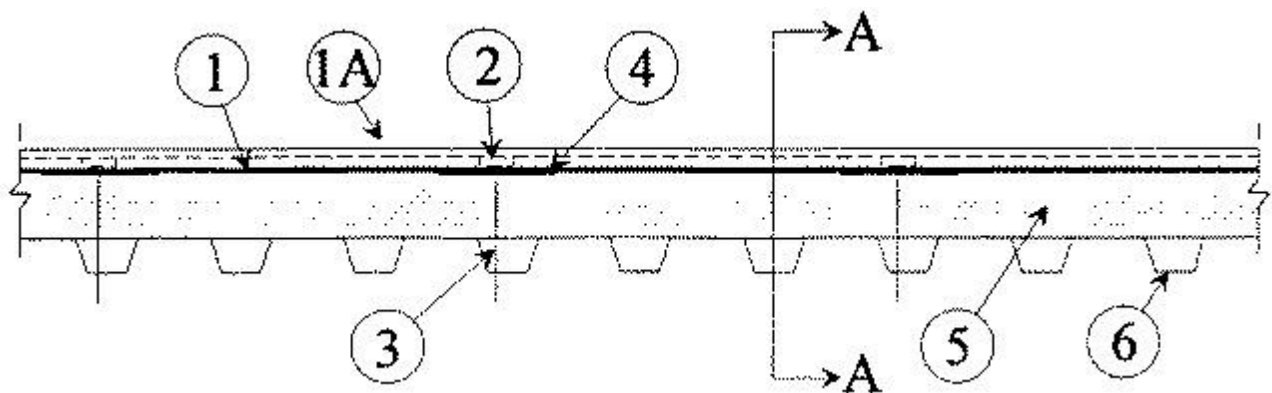
- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies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

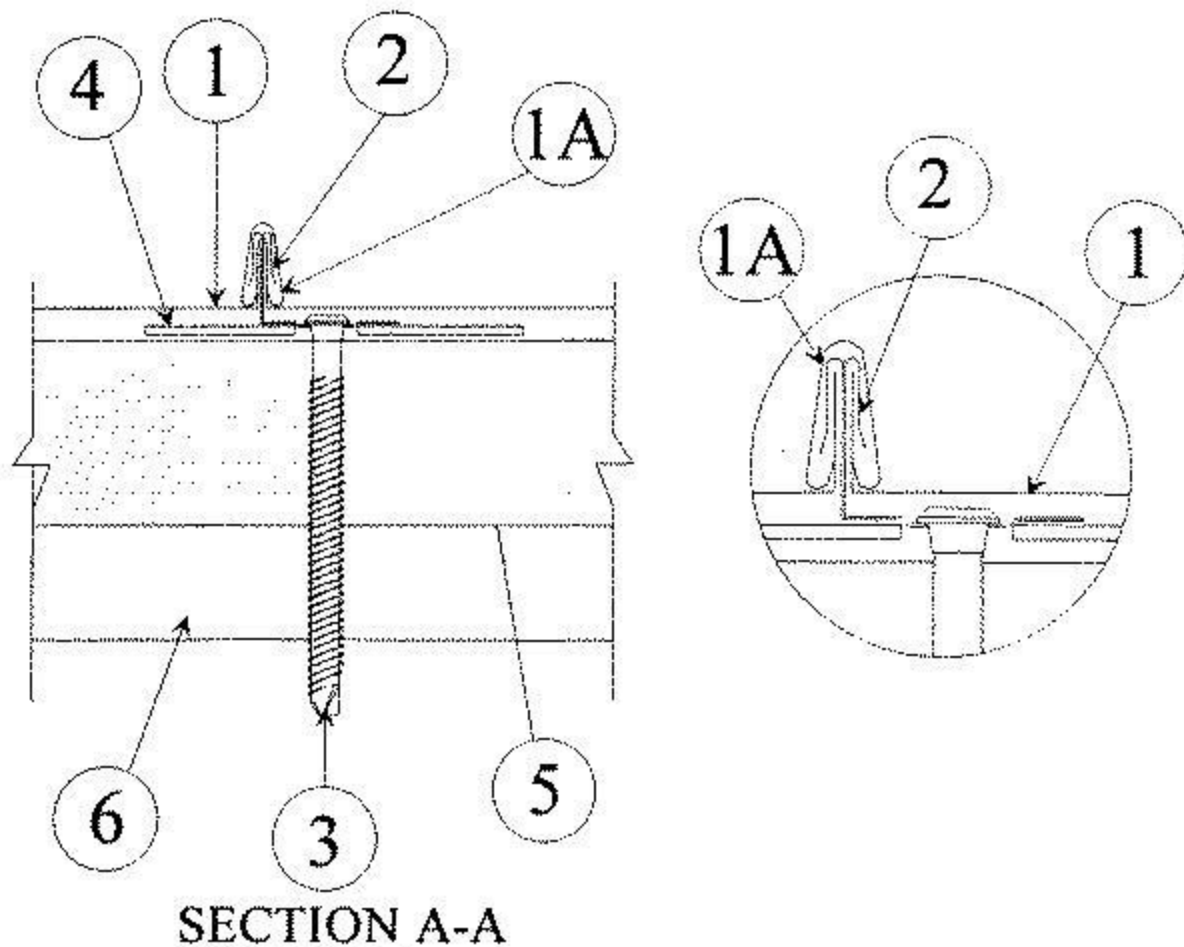
Roof Deck Constructions

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

Construction No. 397A

September 25, 2019

Uplift — Class 90**Fire Not Investigated**



1. Metal Roof Deck Panels* — No. 24 MSG min gauge coated steel. Maximum width 21-1/4 in., height at ribs 13/16 in. Panels continuous over three or more clips with no end laps.

AEP SPAN, DIV OF ASC PROFILES ([View Classification](#)) — "Select Seam Narrow Panels"

CUSTOM-BILT METALS ([View Classification](#)) — "Titan Cap Seam"

FABRAL INC ([View Classification](#)) — "Snap-On-Seam"

DREXEL METALS, INC. ([View Classification](#)) — "Cap-Seam"

HPM BUILDING SUPPLY ([View Classification](#)) — "U-Panel"

METAL SALES MANUFACTURING CORPORATION ([View Classification](#)) — Mini-Batten

ROLLFAB METAL BUILDING PRODUCTS ([View Classification](#)) — "PS-10"

TAYLOR METAL INC, DBA TAYLOR METAL PRODUCTS ([View Classification](#)) — "T-Panel Narrow Panel"

THE BRYER CO ([View Classification](#)) — "TBC-CAPLOC"

1A. Battens* — Used over side ribs of metal Roof Deck Panels, No. 24 MSG min gauge coated steel, "U" shaped, with 1 in. high legs, 0.200 in. returns and a 0.250 in. width. Formed to snap over panels clips.

AEP SPAN, DIV OF ASC PROFILES ([View Classification](#)) — "Select Seam Narrow Batten"

DREXEL METALS, INC. ([View Classification](#)) — "Cap-Seam Battens"

HPM BUILDING SUPPLY ([View Classification](#)) — "Batten Cap"

METAL SALES MANUFACTURING CORPORATION ([View Classification](#)) — Mini-Batten Cap

TAYLOR METAL INC, DBA TAYLOR METAL PRODUCTS ([View Classification](#)) — "T-Panel Narrow Batten Cap"

2. **Roof Deck Fasteners*** — (Panel Clip) — No. 24 MSG min gauge coated steel, one piece assembly 3 in. long 0.8250 in. height with a 1 in. wide horizontal base leg. Upper tabs engage adjacent panel ribs. A 1/4 in. diam pilot hole located in center of the horizontal base leg. Clips spaced 24 in. OC.

AEP SPAN, DIV OF ASC PROFILES ([View Classification](#)) — "Select Seam Narrow Batten Clip"

METAL SALES MANUFACTURING CORPORATION ([View Classification](#)) — Mini-Batten Clip

3. **Fasteners (Screws)** — No. 14-13 Truss Head No. 3 Phillips Drive steel screw with a drill point. Length to be 1 in. longer than the overall thickness of deck (rigid insulation plus liner panel). One fastener for each clip.

4. **Bearing Plate** — No. 20 MSG min steel, 4 in. by 5 in. with a 5/8 in. diam guide hole at the center of the plate. (50,000 psi min yield strength).

5. **Foamed Plastic** — Extruded polystyrene foamed plastic min density 2.00 pcf. Max thickness 4 in. Located over liner panel.

6. **Liner Panel** — Fabricated from No. 22 MSG min thickness coated steel. Min depth 15/16 in. max pitch 7.2 in., min yield strength 33 ksi. Max span of liner panel units to be per panel manufacturer's instruction for uplift loading. Panel attached to structural supports (not shown) with screws or welds per liner panel manufacturer's recommendations for uplift loading.

7. **Liner Panel Supports** — Not shown — Sized and spaced per liner panel manufacturer's instructions for uplift loading. Refer to General Information, Roof Deck Constructions 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 2019-09-25

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