

Design/System/Construction/Assembly Usage Disclaimer

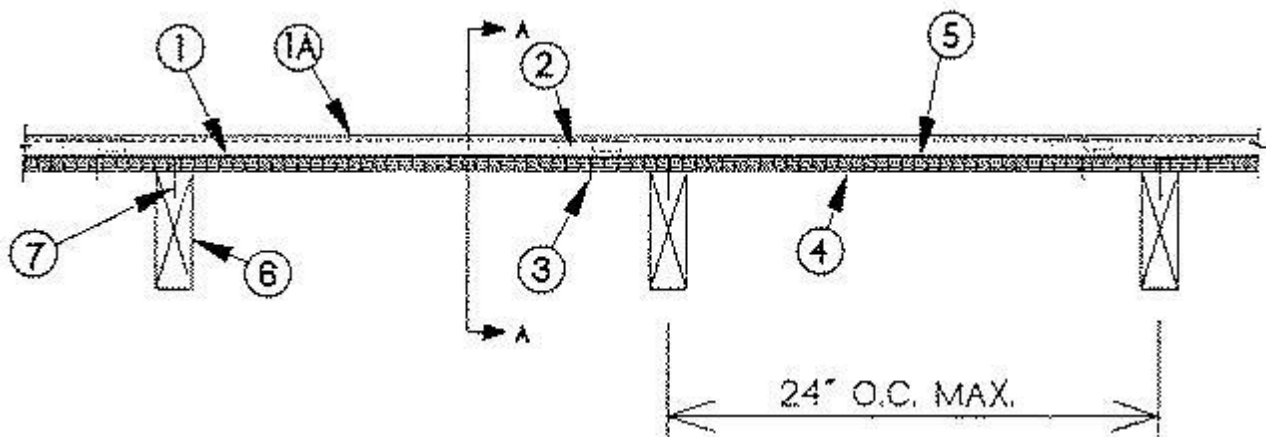
- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies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

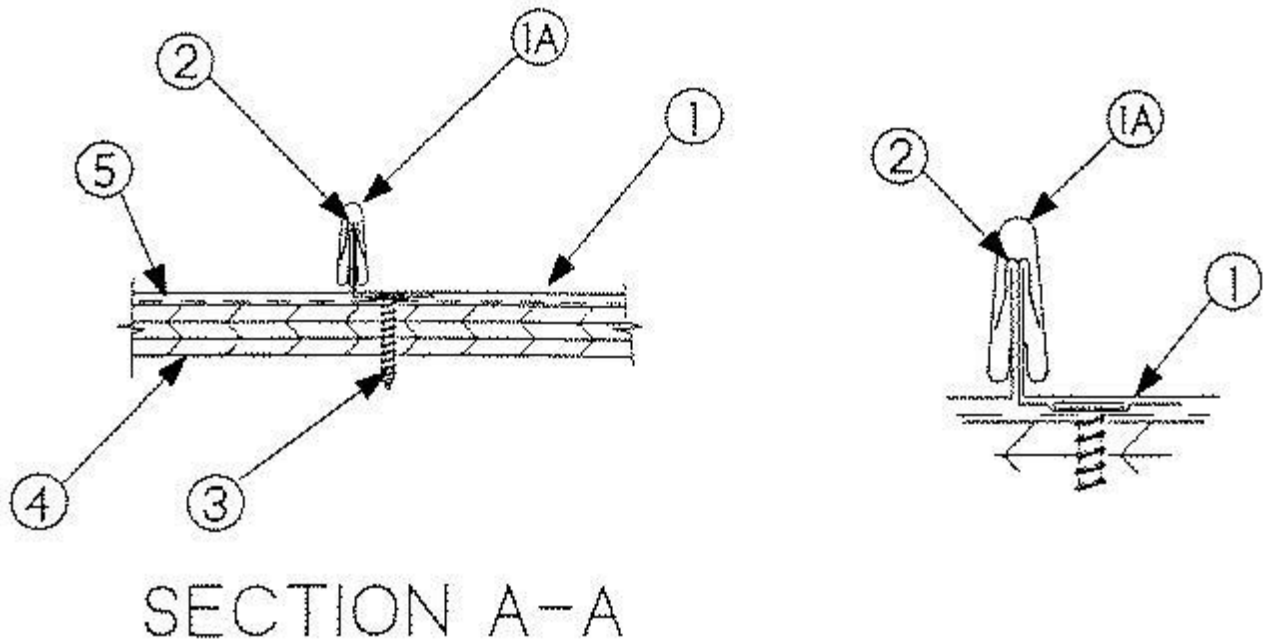
Roof Deck Constructions

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

Construction No. 397

October 03, 2018

Uplift Class 90**Fire Not Investigated**



1. Metal Roof Deck Panels* — No. 24 MSG min gauge coated steel. 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 Batten"

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

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

FABRAL INC ([View Classification](#)) — "Snap-On-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, having 0.200 in. return and 0.250 in. width. Formed to snap over panel clips.

AEP SPAN, DIV OF ASC PROFILES ([View Classification](#)) — "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, 0.825 in. high 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 horizontal base leg. Clips spaced 24 in. OC.

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

METAL SALES MANUFACTURING CORPORATION ([View Classification](#)) — Select Seam Narrow Clip

3. **Fasteners (Screws)** — No. 10-12 by 1 in. long, Pancakehead, No. 2 Phillips drive coated steel wood screws. One fastener used per clip.

4. **Plywood Decking** — Plywood decking graded PS 83 specification, 19/32 in. thick (nom, 5/8 in.), A.P.A. Rated 42/20 Group 1 exterior. Square edged. All joints to be sealed with a silicone sealant and covered with a 2 in. wide pressure sensitive tape.

5. **Underlayment** — Underlayment to be type 15, 15 lb organic felt. Sides overlapped 4 in. End laps per manufacturers instructions. Fastened to plywood deck with steel staples in a random spacing.

6. **Supports** — Spaced max of 24 in. OC. Any of the following types may be used to support the plywood decking:
a) 2 by 6 in., min No. 2 grade A.F.P.A S.P.F Hemlock Fir, Douglas Fir, Southern Pine or equivalent.

b) Wood trusses with a nom 2 by 4 in. upper chord of the same grade as item a.

7. **Plywood Fasteners** — Fasteners used to attach the plywood deck to the supports to be as follows:

a) For plywood-to-wood supports No. 8-18 by 1-7/8 in. long bugle head steel screws with a No. 2 Phillips drive, "Hi-Low" thread pattern and "S-Point".

b) As an alternate to item a, 8d by 2-1/2 in. long deformed shank common nails may be used.

Spacing: Fastener spacing for all fastener types to be 6 in. OC at the plywood edges and 12 in. OC in the interior.

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 2018-10-03

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2023 UL LLC."

Feedback