# TGKX.388 - ROOF DECK CONSTRUCTIONS

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

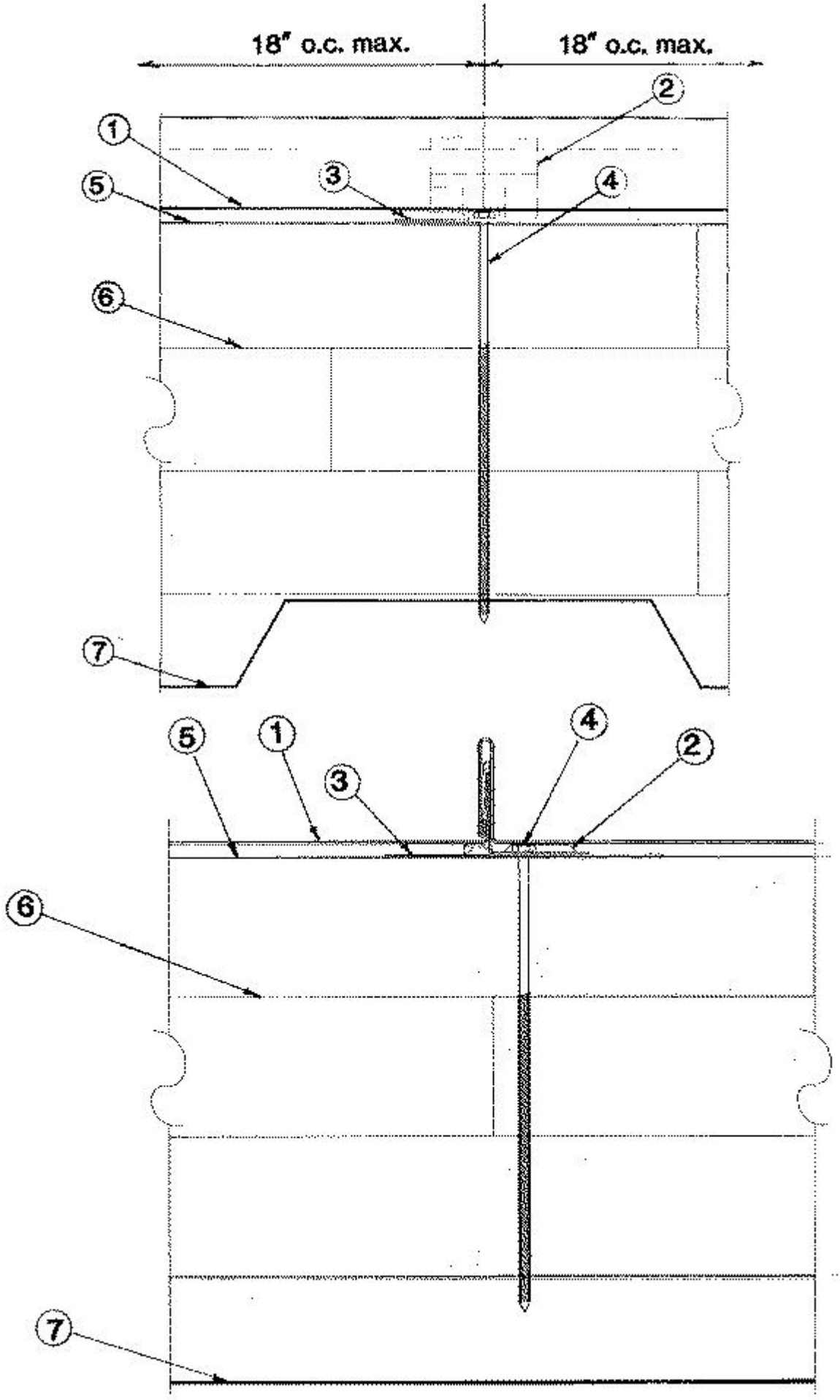
See General Information for Roof Deck Constructions

### Construction No. 388

June 07, 2012

### Uplift — Class 90

### Fire Not Investigated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1. **Metal Roof Deck Panels* —** No. 24 MSG min coated steel, 20 in. wide or 12 in. wide, 1-1/2 in. high at female side rib. Panels continuous over three or more clips with no end laps. A bead of sealant may be used at panel side joints.
**AEP SPAN, DIV OF ASC PROFILES** (View Classification) — "12 in. High-Seam", "20 in. High-Seam".

**CENTRAL TEXAS METAL ROLLFORMING INC** (View Classification) — "SHURLOC 150"

**SAN ANTONIO QUALITY METALS** (View Classification) — "SL-150"

2. **Roof Deck Fasteners* (Panel Clips) —** One piece assembly, 1-3/4 in. wide, 1-5/16 in. high. Min thickness 0.025 in. (No. 24 MSG). Clips spaced 18 in. OC, fastened to liner panel (Item 7).
**AEP SPAN, DIV OF ASC PROFILES** (View Classification) — "High-Seam Clip"

3. **Fasteners (Screws) —** Fasteners used to attach the panel clips to the liner panel (Item 7) to be No. 14-13 steel screw with a No. 3 Phillips drive, modified truss-head with an offset drill type, self-drilling point. Length to be 1 in. longer than overall thickness of deck (insulation plus liner panel). One fastener used per clip.

4. **Bearing Plate —** 4 in. by 4 in., Fabricated from No. 22 MSG coated steel. (Yield strength to be 33,000 psi.)

5. **Foamed Plastic (Rigid Insulation) —** Optional — Max thickness 6 in. Density to be min of 2 pcf.

6. **Asphalt Underlayment —** Any UL Classified underlayment applied in one layer per manufacturer's recommendations.

7. **Liner Panel —** Min No. 22 MSG coated steel, min depth 1-1/2 in., max pitch 6 in., fabricated to various profiles. (33000 psi min yield strength) Fastened to supports (Item 8) with fastener type and spacing per liner panel manufacturer's specifications for uplift loading.

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.

Last Updated on 2012-06-07