

TGKX.602 - 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

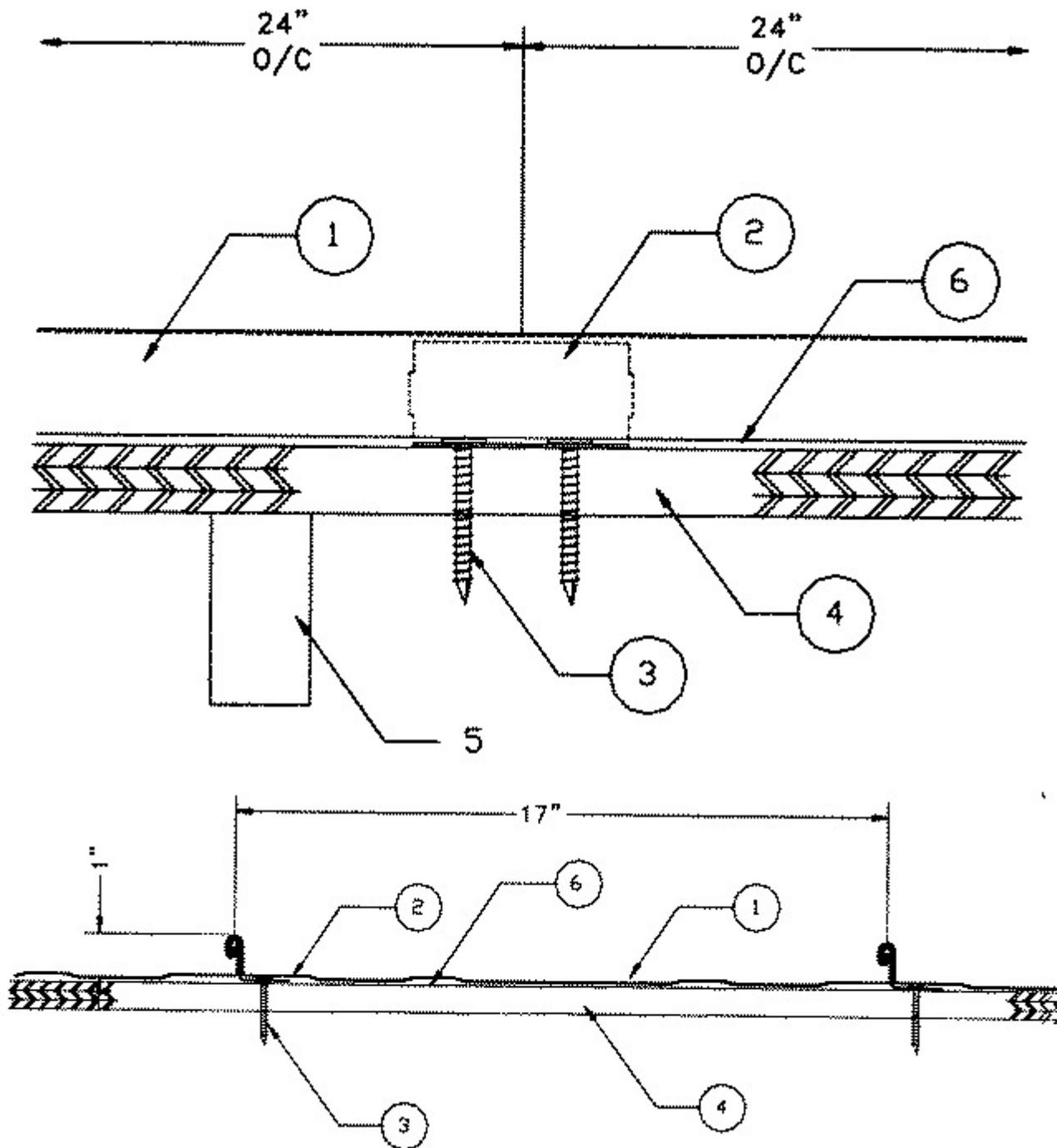
See General Information for Roof Deck Constructions

Construction No. 602

July 24, 2018

Uplift — Class 90

Fire Not Investigated



1. **Metal Roof Deck Panels*** — Min. 24 MSG (0.0225 in.) thick coated steel; width 17 in. max., height of female rib 1 in., male rib 1 in. Panels continuous over three or more clips with no end-laps. A bead of sealant may be used at panel ribs. Panel ribs seamed with an electric seamer with seaming operation to include upper portion of panel clip (Item 2).

GREEN KNIGHT CONSTRUCTION (View Classification) — "1" Mechanically Locked System (Single or Double Lock)"

BRIDGER STEEL (View Classification) — "SS-15"

CENTRAL TEXAS METAL ROLLFORMING INC (View Classification) — "SPANLOC 100"

EAST TEXAS ARCHITECTURAL SHEETMETAL L L C, DBA ETAS INC (View Classification) — "DOUBLE STANDING SEAM 1 in."

INTEGRIS METALS INC (View Classification) — "Integriss 1 in. System 3"

METAL FORMING INC (View Classification) — "1 in. Mechanical Lock"

MID-SOUTH METAL PRODUCTS (View Classification) — "MSMP 1 in. Mechanical Lock"

P S M L V INC DOING BUSINESS AS PENN SHEET METAL (View Classification) — "PSM100MS"

SAN ANTONIO QUALITY METALS (View Classification) — "ML-100"

SHEET METAL WORKS OF ARIZONA (View Classification) — "MS100"

TAYLOR METAL INC, DBA TAYLOR METAL PRODUCTS (View Classification) — "MS100"

ZIMMERMAN METALS INC (View Classification) — "SS1000"

2. **Roof Deck Fasteners* (Panel Clips)** — One part assembly, 2 in. wide and approximately 1-1/4 in. high with a 15/16 in. wide horizontal leg having an opposing leg approximately 1/2 in. wide. Clips are to be spaced 24 in. OC max.

METAL FORMING INC (View Classification) — "1000FC"

3. **Panel Fasteners (Screws)** — Fasteners used to attach the panel clips to the plywood deck to be No. 10-12 by 1 in. long, No. 2 Phillips Drive, wafer-head, plated steel, wood screws. Two screws used per clip.

4. **Plywood Deck** — Nominal 5/8 in. (19/32 in. actual) plywood, Grade C-D, APA rated. Fastened to supports (joists) using No. 8 by 2-1/2 in. long, No. 2 Phillips Drive, coarse thread, bugle head, steel screws. Spaced 6 in. OC max. at the butt ends and 12 in. OC max. in the field. All joints to be sealed with a one part urethane sealant feathered out from the joint.

5. **Joists** — Graded dimensional lumber, No. 2 or better. Spaced 24 in. OC max.

6. **Ply Sheet*** — Any UL Classified underlayment, min. 2 in. sidelap, mechanically fastened.

7. **Joist Hangers** — (Not Shown) - No. 18 MSG coated steel, open seat type.

Refer to general information, Roof Deck Construction, 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 2018-07-24

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's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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