

TGKX.575 - 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

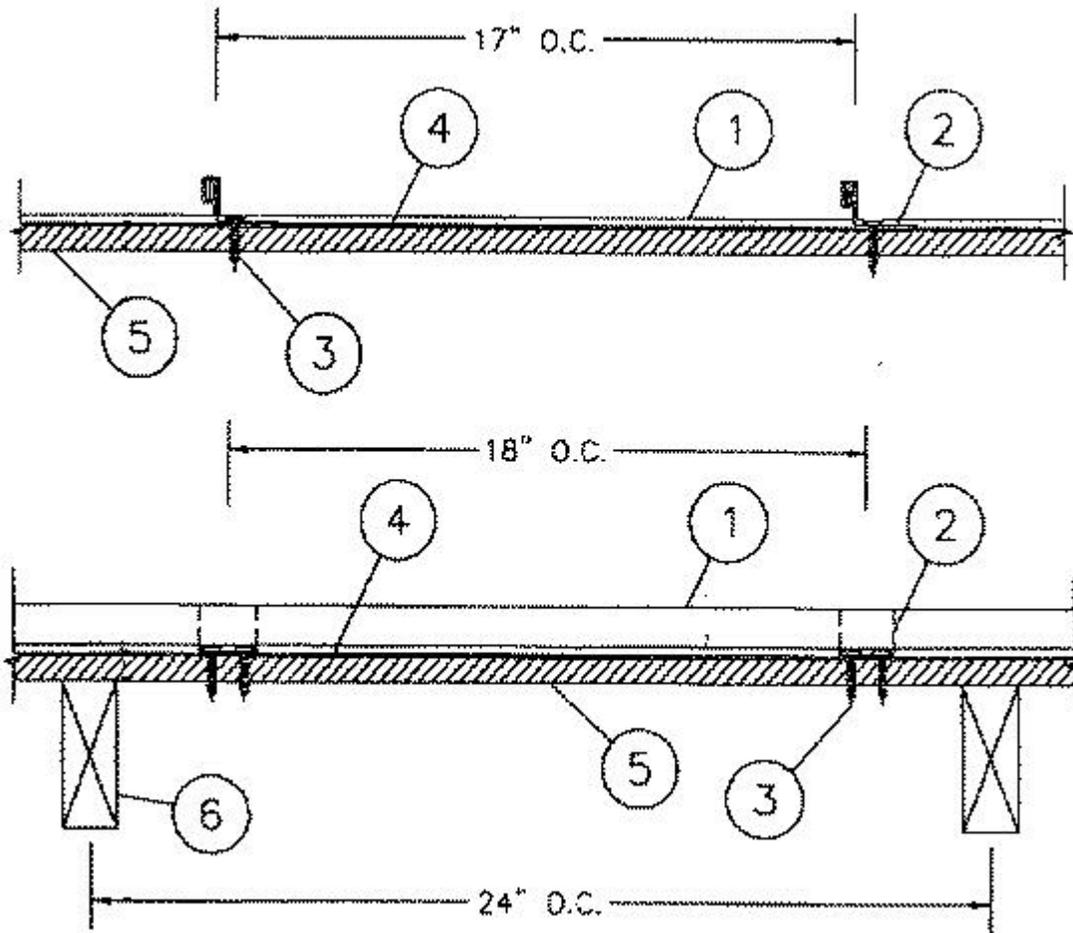
See General Information for Roof Deck Constructions

Construction No. 575

December 12, 2016

Uplift — Class 90

Fire Not Investigated



1. **Metal Roof Deck Panels*** — 0.0216 in. thick copper (16 oz). Max panel width 17 in., rib height 1 in. Panels continuous over two or more spans with no end-lap.

AUSTIN SNAP LOC SUPPLY (View Classification) — "ADL 100"

AUSTIN STAR ROOFING INC (View Classification) — "DoubleLock 1 in."

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

DREXEL METALS INC (View Classification) — "DMC 100SS"

GIDEON STEEL PANEL CO L L C (View Classification) — G150m

NATIONAL ROOFING CONTRACTORS ASSOCIATION (View Classification) — "Architectural Copper Panel"

NEW TECH MACHINERY CORP (View Classification) — "SS100"

PREMIUM PANELS INC (View Classification) — "Premium Lock 100" or "P.L. 100"

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

TAYLOR METAL INC, DBA TAYLOR METAL PRODUCTS (View Classification) — "MS 100"

U S METALS L L C (View Classification) — "US-100"

2. **Roof Deck Fasteners (Panel Clips)** — One piece stainless steel assembly, 1-1/2 in. wide, 1-1/8 in. high. Min thickness .015 in. (No. 28 MSG). Clips spaced max of 18 in. OC.

NATIONAL ROOFING CONTRACTORS ASSOCIATION (View Classification) — "Architectural Copper Panel Clip"

3. **Fasteners (Screws)** — Fasteners used to attach the plywood deck (Item 5) to the joists (Item 6) to be No. 6-18, 1-7/8 in. long bugle-head steel screws. The screws are to be spaced 6 in. OC at the plywood edges and 12 in. OC in the field of the plywood. The fasteners used to attach the panel clips (Item 2) to the plywood deck to be No. 10-12 by 1 in. long pancake head, No 2 Phillips drive, A-point, coated steel screws. A min of two fasteners per panel clips are to be used.

4. **Underlayment** — Any UL Classified base or ply sheet, attached per manufacturers recommendations.

5. **Plywood** — Min 19/32 in. thick, Grade C-D plywood, all joints to occur over supports. All joints are to be sealed against leakage by using tape, self-adhering polymer modified bituminous membranes and/or caulk.

6. **Joists** — Graded dimension lumber, No. 2 or better. Spaced a max of 24 in. OC.

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 2016-12-12

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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