



Construction No. 170
TGKX.170
Roof Deck Constructions

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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 Listed or Classified 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 as Classified, Listed, or Recognized.
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Roof Deck Constructions

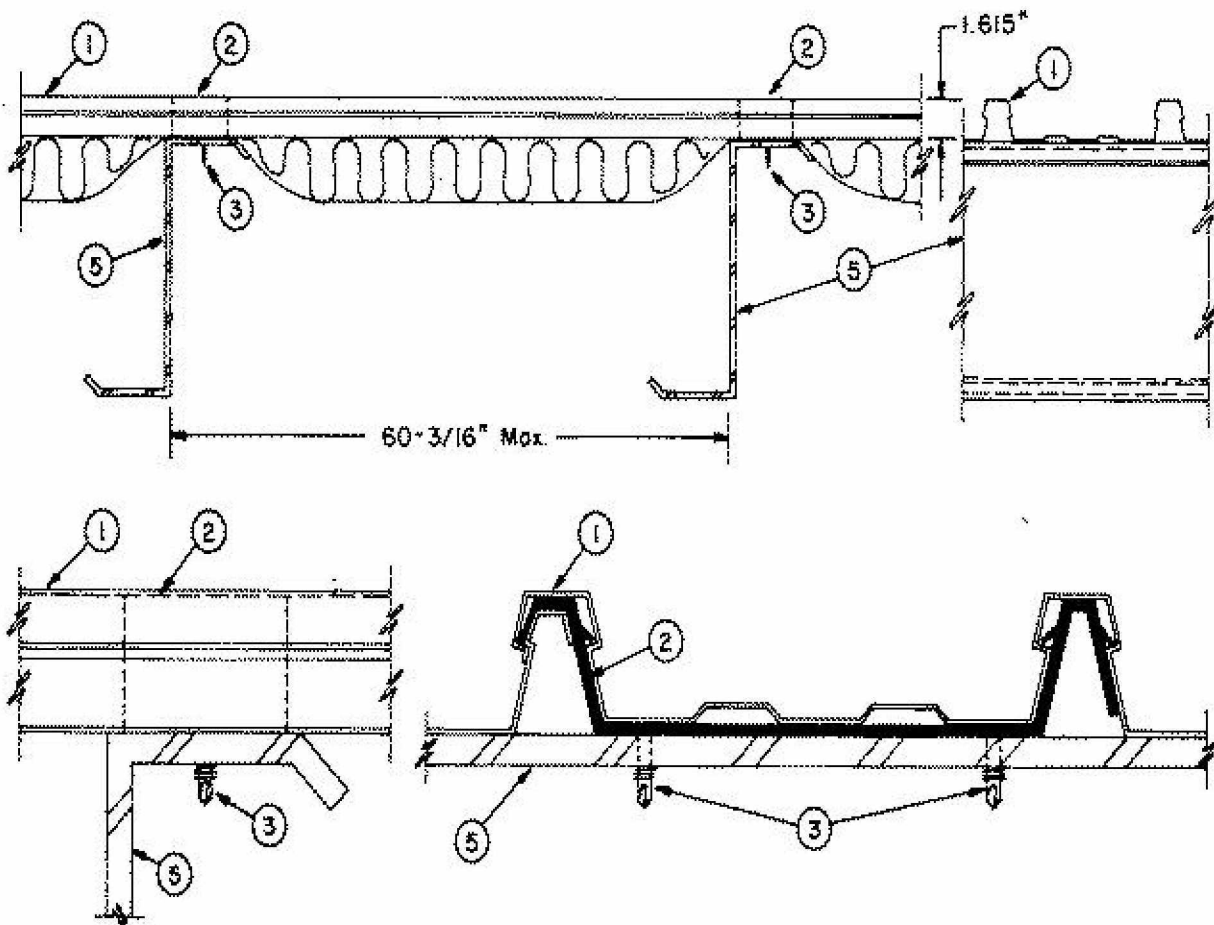
[See General Information for Roof Deck Constructions](#)

Construction No. 170

June 29, 2011

Uplift — Class 60 or 90 (See Item 1)

Fire Not Investigated



1. Metal Roof Deck Panels* — Nominal width 16 in. nominal height at ribs 1-5/8 in. Panel thickness—for Class 90 to be No. 24 MSG min gauge coated steel, for Class 60 to be No. 26 MSG min gauge coated steel. Panels continuous over two or more spans with no end laps. A bead of sealant may be used at panel side joints. Panels snapped together using a rubber wallet with panel clip (Item No. 2) included in snapping operation.

AEP SPAN, DIV OF ASC PROFILES ([View Classification](#)) — "Klip-Rib Panel" .

MCELROY METAL MILL INC ([View Classification](#)) — "Mirage"

WHIRLWIND STEEL BUILDINGS INC ([View Classification](#)) — "Stor-Lok 16"

2. Roof Deck Fasteners* (Panel Clips) — Clips approximately 2-1/2 in. wide and approximately 8 in. long. Formed to hook over the male side of one panel and to snap into the center rib of the next panel. Clip thickness to be as indicated below. Either type clip may be used with either panel thickness for class indicated in Item No. 1.

AEP SPAN, DIV OF ASC PROFILES ([View Classification](#)) — "KL-55", (No. 18 MSG min coated steel), "KL-65" (No. 21 MSG min coated steel).

MCELROY METAL MILL INC ([View Classification](#)) — "Mirage Clip" (No. 20 MSG min coated steel).

3. Screws — No. 10-16 or 10-24 by 1 in. long phillips wafer head, self-drilling, self-tapping, plated steel screws for attaching panel clips (Item 2) to purlins. Two fasteners per clip to be used.

4. Insulation — Any compressible blanket insulation 4 in. max thickness before compression.

5. Purlins — Min thickness 0.71 in. No. 14 MSG (min yield strength) (50,000 psi).

Refer to General information, Roof Deck Constructions (Roofing Materials and Systems Directory) for items not evaluated.

*Bearing the UL Classification Mark

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