ONLINE CERTIFICATIONS DIRECTORY

Construction No. 560
TGKX.560
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.

Roof Deck Constructions

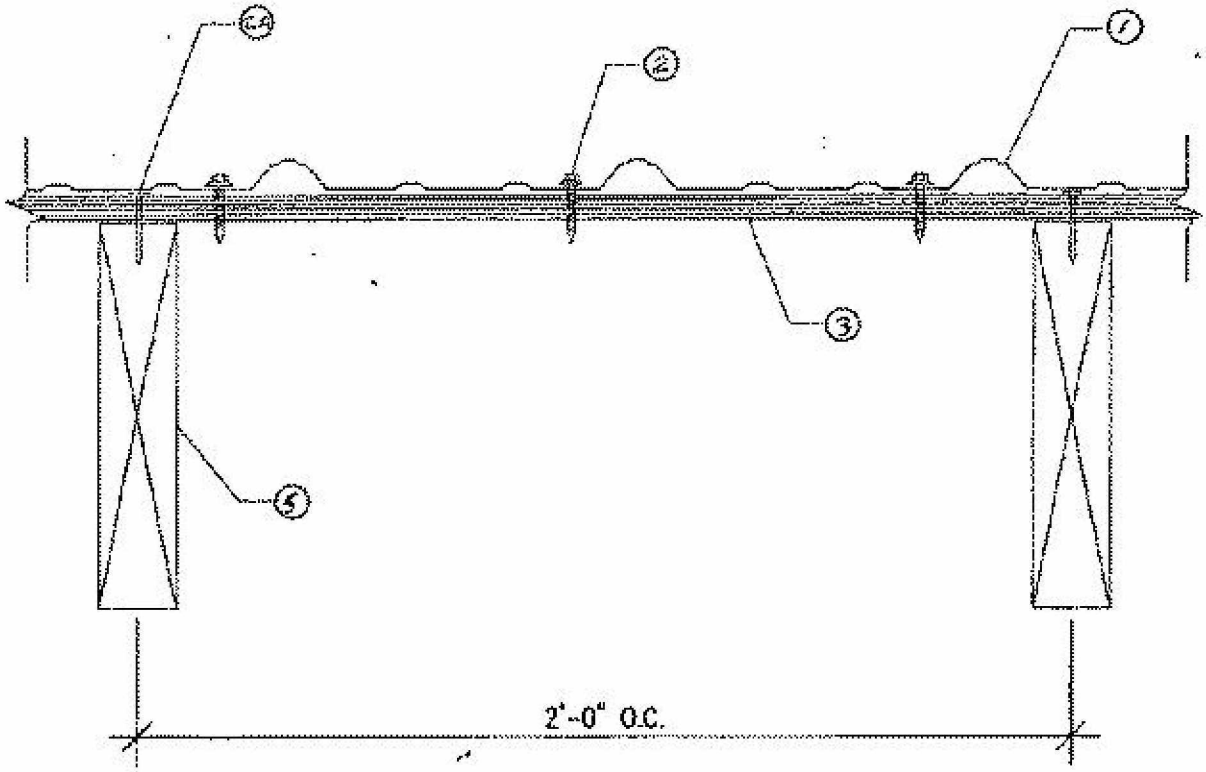
See General Information for Roof Deck Constructions

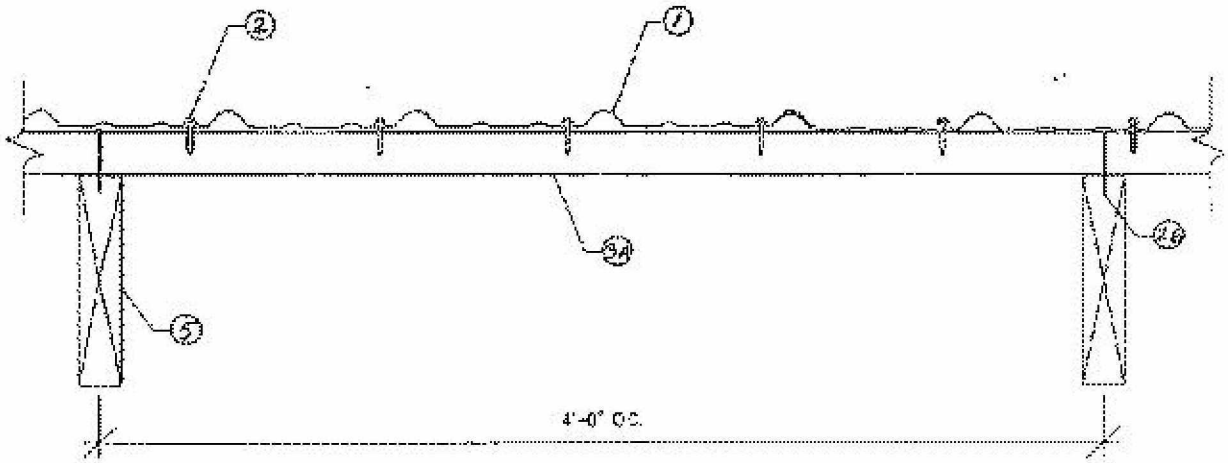
Construction No. 560

March 07, 2012

Uplift - Class 90

Fire Not Investigated




2
1
3A
2B
5
4'-0" O.C.

1. **Metal Roof Deck Panels* —** No. 29 MSG min coated steel. Max panel width 36 in Rib height max 3/4 in. Panels continuous over two or more spans. Panels to overlap 6 in. at endlaps and must occur adjacent to a support when plywood decking (Item 3) is not used. A bead of sealant may be used at panel endlaps and sidelaps.

ALL STEEL BUILDINGS & COMPONENTS

TUBULAR DIVISION INC (View Classification) — "Master-Rib"

ALLIANCE STEEL INC (View Classification) — "Alliance IP"

AMERICAN CONSTRUCTION METALS (View Classification) — "Perfect Rib"

ARCHITECTURAL INTEGRATED METALS INC (View Classification) — "NAIL-Line 1.5"

BRIDGER STEEL (View Classification) — "3 ft. tuf-rib"

BBM STEEL BUILDINGS INC (View Classification) — "Ag-Panel"

BURROW CONSTRUCTION INC (View Classification) — "Quadra Loc Plus"

CENTRAL STATES MFG INC (View Classification) — "Panel-Loc Plus"

CENTRAL TEXAS METAL ROLLFORMING INC (View Classification) — "Frontier Rib".

BEACON SALES ACQUISITION INC, DBA

COASTAL METAL SERVICE (View Classification) — "Rib Loc"

CONSOLIDATED SYSTEMS INC (View Classification) — "VR4029", "VG4029"

DAVIESS COUNTY METAL SALES INC (View Classification) — "D.C. Rib"

EAST TEXAS ARCHITECTURAL SHEETMETAL L

L C, DBA ETAS INC (View Classification) — "R Panel"

EVERLAST ROOFING INC (View Classification) — "Everlast II"

FABRAL INC (View Classification) — "Grandrib 3", "Multi-Purpose", "Shelterguard", "5 Rib" or "Alu-Tuff"

FLAMCO OF TEXAS INC (View Classification) — "Versa-Rib"

INDACO METALS L L C (View Classification) — "Indaco Duraloc"

JNL STEEL COMPONENTS INC (View Classification) — Type "AG-PANEL"

MARLYN METALS INC (View Classification) — "Mar-Rib"

MBCI (View Classification) — "Stormproof"

MENARDS/MIDWEST MFG (View Classification) — "Pro-Rib" or "Premium Pro-Rib"

METAL PANELS INC (View Classification) — "Strongseam AG Panel"

METAL SALES MFG CORP (View Classification) — "Classic Rib"

MCELROY METAL MILL INC (View Classification) — "Max-Rib".

NCI BUILDING SYSTEMS L P (View Classification) — "Stormproof"

STEEL BUILDING SUPPLY INC (View Classification) — "Max-Rib" or "AG" Panel

TAYLOR & SONS PIPE & STEEL INC (View Classification) — "AG-Panel"

TEXARKANA METAL BUILDING SUPPLY (View Classification) — "Tuffrib Panel"

TEXOMA STEEL BUILDINGS INC (View Classification) — "Ag/Tuff-Rib" Panel

WHEELER METALS INC (View Classification) — "Low Rib Plus"

WHIRLWIND STEEL BUILDINGS INC (View Classification) — "Sturdi-Rib"

2. **Fasteners - (Screws) —** For panel attachment to wood deck (Item 3), fasteners to be 1/4 in. -14x1-1/2 in. long Type AB of No. 14x1-1/2 in. long Type A when substructure is plywood decking (Item 3). When 2x4 lathing (Item 3A) is used, fasteners may be any of the following: 1/4 in. -14x1-1/2 in. long Type AB, No. 14x1-1/2 in. long Type AB, No. 14x1-1/2 in. long Type A or No. 10x1-1/2 in. long Woodgrip. Fasteners to be installed 24 in. OC along the length of the panel. Fastener spacing across the width of panel to 9 in. on center beginning 1-3/4 in. from the center line on one side of each major rib. Fastener spacing at panel ends to be in a 1-3/4 in. from the center line on one side of each major rib. Fastener spacing at panel ends to be in a 1-3/4, 5-1/2, 3-3/4, 5-1/2, 3-3/4, 5-1/2, 3-3/4, 5-1/2 in.

2A. **Fasteners - (Screws and Nails) —** For attachment of plywood deck (Item 3) to joists (Item 5), fasteners to be min. No. 6x1-7/8 in. long bugle head screw or annular ring-shank nails. Spacing to be 6 in. OC at plywood edges and 12 in. OC at intermediate supports.

2B. **Fasteners - (Screws) —** For attachment of 2x4 lathing (Item 3A) to joists (Item 5), fasteners to be min. No. 8x3 in. long bugle head screw, two screws per attachment point.

3. **Substructure - (Plywood) —** Plywood decking to be a nom 5/8 in. thick, exposure sheathing span C-D, 40/20 plywood. All butt joints to be sealed against leakage by using tape and/or caulk or with one- part urethane sealant.

3A. **Substructure - (Lathing) —** Lathing to be nominal 2x4 wood, No. 2 or better, spaced 24 in. on center max.

4. **Moisture Barrier - (Optional)(Not Shown) —** Any suitable membrane to protect substructure (Item 3 or 3A).

5. **Joists —** Joists spaced at 2 ft, 0 in. OC when plywood decking is used and 48 in. on center when 2x4 lathing (Item 3A) is used, may be one of the following:

A. Nom 2 by 10 in. wood joists No. 2 or better.

B. Nom 2 by 4 in. wood when used on a top cord of a wood truss, No. 2 or better.

Refer to general information, Roof Deck Construction, (Roofing Materials and Systems Directory) for Items not evaluated.

*Bearing the UL Classification Mark

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