



**TGKX.632
Roof Deck Constructions**

[Page Bottom](#)

Roof Deck Constructions

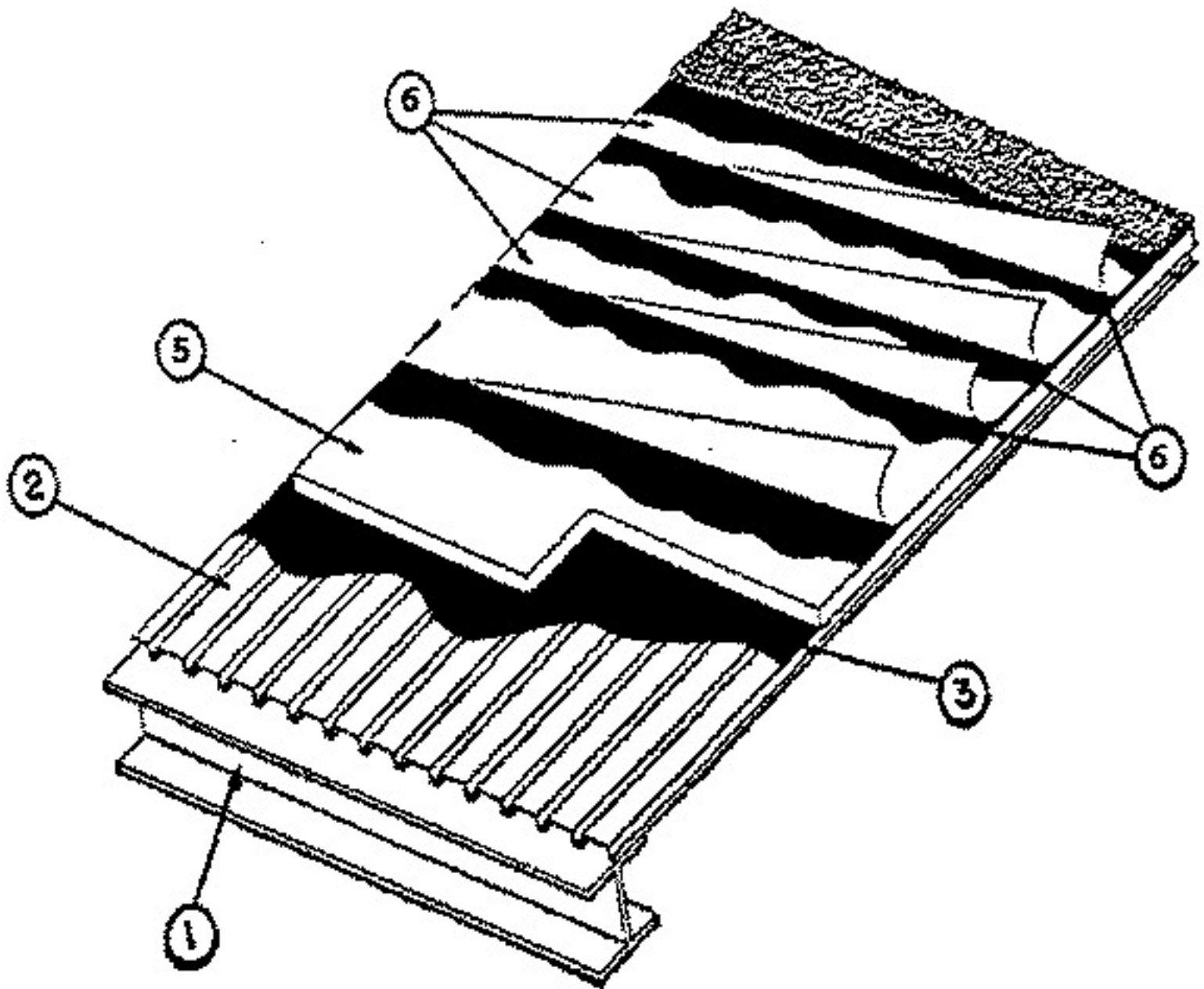
[See General Information for Roof Deck Constructions](#)

Construction No. 632

September 19, 2005

Uplift — Not Investigated

Fire — Classified



1. **Supports** — Structural steel or other materials acceptable to authorities having jurisdiction.

2. **Steel Deck** — No. 22 MSG min gauge; min fluted depth 1 1/2 in. with no perforations. Welded or mechanically fastened to supports in accordance with deck manufacturer's recommendations.

3. **Steep Asphalt*** — Classified by Underwriters Laboratories Inc. (Roofing Systems) spread at a rate of 12 to 15 lb per 100 sq ft. Mechanical fasteners may be used in lieu of the steep asphalt.

4. **Barrier Board*** — (Not shown) 1/4 in. min "DensDeck®" or "DensDeck Prime®" cover board.

5. **Insulation*** — Which are Classified by Und. Lab. (Roofing Materials and Systems Directory, Roof Deck Construction, Building Units) for the following manufacturers:

CORNELL CORP ([View Classification](#)) — "Vent-Top ThermaCal X1" or "Vent-Top ThermaCal X2" roof insulation

5A. Insulation — (Optional - Not Shown) One layer of min ½ in. thick perlite roof insulation board* placed under the insulation (Item 4) and/or under the roof covering (Item6).

6. Roof Covering* — A built-up from hot mopped, cold application or single ply materials Classified by Underwriters Laboratories Inc. (Roofing Materials and Systems Directory, Roofing Systems). Authorities having jurisdiction should be consulted to which class of roof coverings will be acceptable in each location.

Refer to general information, Roof Deck Construction, for Items not evaluated.

*Bearing the UL Classification Mark

Last Updated on 2005-09-19

[Questions?](#)

[Notice of Disclaimer](#)

[Page Top](#)

[Copyright © 2006 Underwriters Laboratories Inc.®](#)

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 Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2006 Underwriters Laboratories Inc.®"