



**TIAR.R14153  
Building Units**

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**Building Units**

[See General Information for Building Units](#)

**CORNELL CORP**

R14153

808 S 3RD ST  
PO BOX 338  
CORNELL, WI 54732 USA

"ThermaCal" and "Vent-Top ThermaCal" roof insulation for use in Construction Nos. [120](#) and [123](#).

"Top-Vent ThermaCal X1" and "Top-Vent ThermaCal X2" roof insulation for use in Construction No. [632](#).

[Last Updated](#) on 2005-09-19

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Roof Deck Constructions**

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**Roof Deck Constructions**

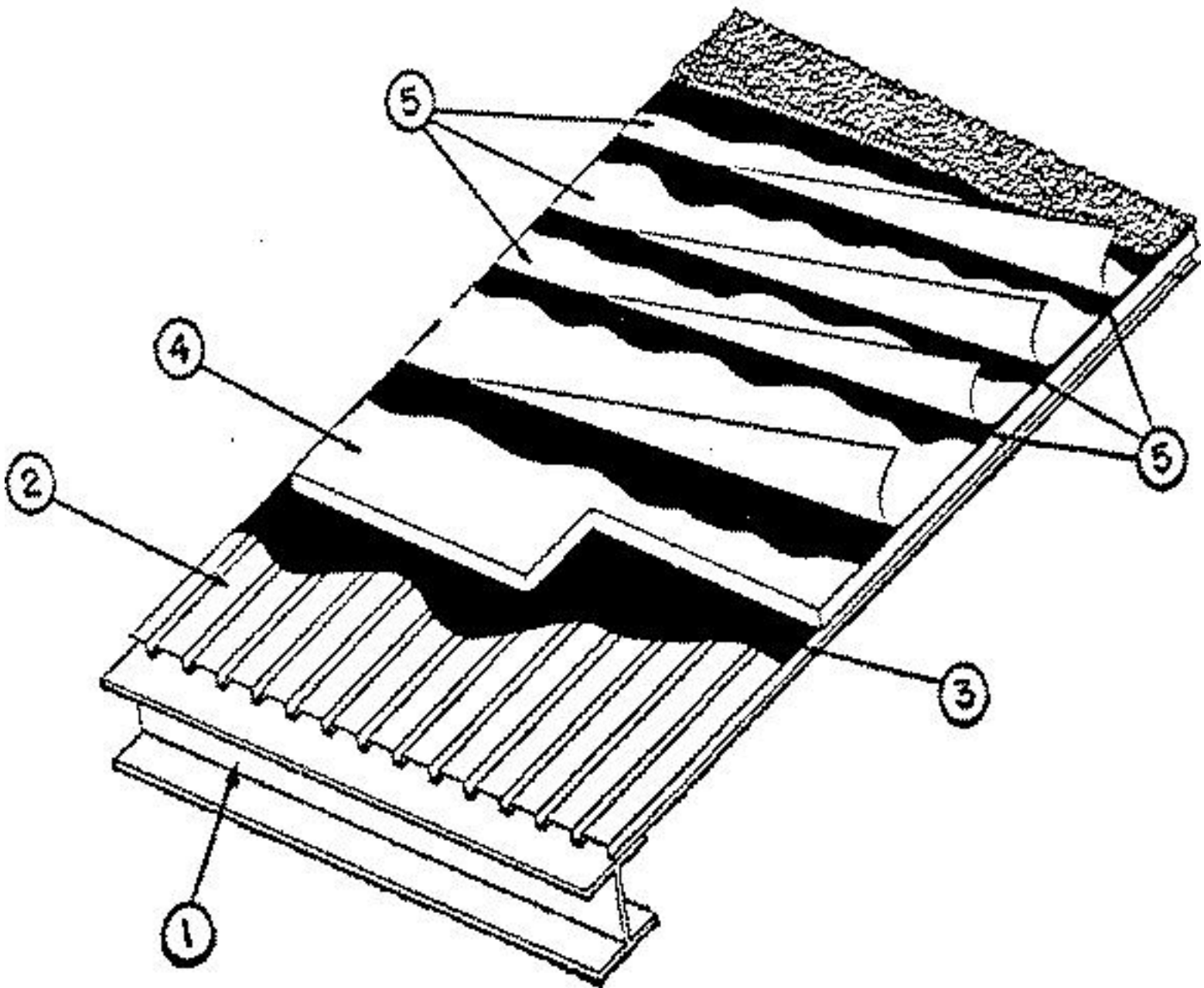
[See General Information for Roof Deck Constructions](#)

**Construction No. 120**

December 06, 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. **Insulation\*** — Classified by Underwriters Laboratories Inc. under Roof Deck Construction "Foamed Plastic" for the following manufacturer:

**APACHE PRODUCTS CO CORPORATE** ([View Classification](#)) — "Apache PYROX", "Apache Tapered PYROX" or "Apache WHITE LINE".

**ATLAS ROOFING CORP** ([View Classification](#)) — "ACFoam II", "ACFoam III", "Tapered ACFoam II", "ACFoam II Ultra", "ACFoam IXF" or "ACFoam IIXF".

**CARLISLE SYNTEC INCORPORATED** ([View Classification](#)) — "HP", "HP-W", "HP-H" or "HP-N".

**THE DOW CHEMICAL CO** ([View Classification](#)) — Types "TF600", "TF604", "TF610", "Hy-Tec", "Energy-Lok", "Hy-Tec 2", "Top R-II", "Star AP", "Hy-Therm AP", "Hy-Therm SP", "Value R", "TRI-Star", "Hy-Tec RB", "Hy-Tec (Energy Lok) Tapered Roof Insulation", "Hy-Therm COMPOSITE", "Hy-Therm TAPERED", "Hy-Therm Nail-Line" or "Hy-Tec Fastnail".

**ENERGY SOLUTIONS INSULATION INC** ([View Classification](#)) — "ES Foam I"

#### **FIRESTONE BUILDING PRODUCTS CO, DIV**

**OF BFS DIVERSIFIED PRODUCTS L L C** ([View Classification](#)) — "ISO95+FK", "ISO95+GL", "ISO95+GW", "Rhoflex Isocyanurate FK", "Rhoflex Isocyanurate GL" or "Rhoflex Isocyanurate GW".

**GAF MATERIALS CORP** ([View Classification](#)) — EnergyGuard™ RA

**HUNTER PANELS** ([View Classification](#)) — "H-Shield" or Tapered "H-Shield".

**JOHNS MANVILLE INTERNATIONAL INC** ([View Classification](#)) — "ENRGY 2 " or "ENRGY 3", "R Panel"

**LOADMASTER SYSTEMS INC** ([View Classification](#)) — "Loadmaster Polyisocyanurate Insulation" or "Loadmaster Tapered Polyisocyanurate Insulation"

**JOHNS MANVILLE INTERNATIONAL INC** ([View Classification](#)) — "ENRGY 2 Plus", "ENRGY 2 Gypsum Composite", "Fesco-Foam", "DuraFoam" or "Nailboard".

**POLYGLASS USA INC** ([View Classification](#)) — "Polytherm" or "Polytherm Composite"

**RMAX INC** ([View Classification](#)) — "Tapered Thermarroof", "Tapered Thermarroof FA", "MULTI-MAX-3"(MMA-3) or "MULTI-MAX FA-3"(MMFA-3).

#### **STEVENS ROOFING SYSTEMS, DIV OF JPS**

**ELASTOMERICS CORP** ([View Classification](#)) — "Stevens ISO 2000", "Stevens ISO 2000 - Tapered" or "Stevens ISO 3000".

**THE DOW CHEMICAL CO** ([View Classification](#)) — "DOW Isocyanurate Board".

**TREMCO INC** ([View Classification](#)) — "Trisotech G" or "Tapered Trisotech"

Or insulations which are Classified by Und. Lab. (Roofing Materials and Systems Directory, Roof Deck Construction, Building Units) for the following manufacturers:

**APACHE PRODUCTS CO CORPORATE** ([View Classification](#)) — "Apache Millox", "Apache Nail-Line" or "Apache Nail-Line V"

**ATLAS ROOFING CORP** ([View Classification](#)) — "ACFoam Nail Base Insulation" or "Vented R".

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

**FIRESTONE BUILDING PRODUCTS CO, DIV**

**OF BFS DIVERSIFIED PRODUCTS L L C** ([View Classification](#)) — "Nailbase", "ISO95 +Composite", "ISO95+Wood Fiberboard Composite" or "Rhoflex Isocyanurate Composite"

**HUNTER PANELS** ([View Classification](#)) — "H-Shield-NB", "H-Shield-P", "H-Shield-WF", Tapered "H-Shield-P" or Tapered "H-Shield-WF".

**RMAX INC** ([View Classification](#)) — "Thermarroof Composite", "Thermarroof Composite FA", "MULTI-MAX-3"(MMA-3) or "MULTI-MAX FA-3"(MMFA-3).

4A. **Insulation** — (Optional-Not shown) One layer of min 1/2 in. thick perlite roof insulation board\* placed under the insulation (Item 4) and/or under the roof covering (Item 5).

4B. **Insulation** — (Optional-Not shown) Classified by Underwriters Laboratories under the Roof Deck Construction "Mineral and Fiber Boards" Category, placed over the insulation (Item 4) and under the roof covering (Item 7).

**FIBREX INSULATIONS INC** ([View Classification](#)) — FBX Baseboard and FBX Capboard.

**JOHNS MANVILLE INTERNATIONAL INC** ([View Classification](#)) — "Fiber Glass Roof Insulation"

**OWENS CORNING** ([View Classification](#)) — "Fiberglas Roof Insulation" or "Fiberglas Roof Deck Board"

**PERFORMANCE ROOF SYSTEMS INC** ([View Classification](#)) — "Fiberglas Roof Insulation"

**SIPLAST INC** ([View Classification](#)) — "Siplast Fiberglass Roof Insulation"

4C. **Insulation** — (Optional-Not shown) Classified by Underwriters Laboratories Inc. under Roof Deck Construction "Foamed Plastic" for the following manufacturer:

**HUNTER PANELS** ([View Classification](#)) — "H-Shield-F"

Note: Not for use with STEEP Asphalt (Item 3) and asphaltic roof coverings (Item 7).

4D. **Insulation (Optional - Not Shown)** — - Classified by Underwriters Laboratories Inc. under Roof DeckConstruction "Foamed Plastic", 1/4 in. thick. Placed over the insulation (Item 4) and under the covering (Item 5).

**JOHNS MANVILLE INTERNATIONAL INC** ([View Classification](#)) — CoverShield

5. **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.

\*Bearing the UL Classification Mark

Last Updated on 2005-12-06

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