1. **Metal Roof Deck Panels*** No. 26 MSG min gauge coated steel. Panels continuous over two or more spans. End laps to occur over purlins with panels overlapped 6 in. with laps beginning even with purlin web and extending across purlin flange. A bead of sealant may be used at panel side and end laps.
A&S BUILDING SYSTEMS, INC.- "R" or "PBR" Panel
ACI BUILDING SYSTEMS INC - "R" or "PBR Panel"
ALLIANCE STEEL CO - "Type R"
AMERICAN STEEL BUILDING CO INC - "Amerib 90" Panel
BUILDING CONCEPTS LTD - "B" Panel
CORRUGATED INDUSTRIES INC - "R" Panel
FLEXOSPAN STEEL BUILDINGS INC - "R" Panel
HIRSCHFELD METAL BUILDINGS - "R"
KENROD STEEL CO INC - "R" Panel
KIRBY BUILDING SYSTEMS INC - "Kirby-Rib"
MCERIOY METAL MILL INC - "R" Panel
MESCO METAL BUILDINGS - "R" or "PBR" Panel
MBCI- "R" or "PBR" Panel
MIDLAND METALS, INC. — "PBR"
NCI BUILDING SYSTEMS LP - "R" or "PBR" Panel
NUCOR BUILDING SYSTEMS, DIV OF - "Classic" Panel
SOUTHERN STRUCTURES INC - "SR" Panel
STANDARD STRUCTURES INC - "PBR Panel" or "R Panel"
UNITED STRUCTURES OF AMERICA INC - "U.S.A. R"
WHIRLWIND STEEL BUILDINGS INC - "Superspan"

2. Building Units* Translucent, reinforced plastic panels. Thickness 1/16 in. formed to the same configuration as the metal roof deck panels. Panels continuous over two spans.

ACI BUILDING SYSTEMS INC - "R Skylight"
ALLIANCE STEEL CO - "Type Skylight"
AMERICAN STEEL BUILDING CO INC - "Amerib 90 Skylight" Panel
BUILDING CONCEPTS LTD - "B Panel Skylight"
CORRUGATED INDUSTRIES INC - "R Skylight"
KENROD STEEL CO INC - "R Panel Skylight"
KIRBY BUILDING SYSTEMS INC - "Kirby-Rib Skylite Panels"
MCERIOY METAL MILL INC - "R Skylight"
NCI BUILDING SYSTEMS LP - "R" Light Transmitting Panel
NUCOR BUILDING SYSTEMS, DIV OF - "Classic"
OMEGA INDUSTRIES - "R Skylight Panel"
SOUTHERN STRUCTURES INC - "SR" Skylight
SUNTFU INC - "Sunsky" or "Dynaglas" or "Suntuf" or "Suntop"
UNITED STRUCTURES OF AMERICA INC - "U.S.A. R Skylight"
WHIRLWIND STEEL BUILDINGS INC - "Superspan Skylight"

3. Panel Fasteners For steel panel to purlin and for translucent panel to purlin connections to be No. 12-14 by 1 in. self-drilling, self-tapping, hex head, plated steel screws with a separate 5/8 in. O.D. formed steel washer and a neoprene sealing washer. Fasteners for panel to panel connections to be same type and length.

Fastener for panel to purlin connection to be 1-1/4 in. long when insulation (Item 6) is greater than 4-1/2 in.

Spacing For steel panel to purlin fasteners, spacing to be 12 in. on center beginning 2-1/2 in. from the center line on one side of each major rib.
Spacing at end lap to be in a 5-7-5-7 in. pattern beginning 2 1/2 in. from the center line on both sides of each major rib.

For translucent panel - to - purlin fasteners, spacing to be in a 5, 3 1/2, 3 1/2, 5 in. pattern beginning 2 1/2 in. from the center line on both sides of each major rib.

For steel panel - to - panel fasteners, spacing to be 20 in. on center. For translucent panel - to - steel panel fasteners, spacing to be 12 in. on center driven into rib reinforcement (Item 4).

4. Translucent Panel Rib Reinforcement For side support - hat - shaped section fabricated from No. 26 MSG steel to the configuration of the steel panel major rib.

5. Translucent Panel Purlin Reinforcement For translucent panel reinforcement over purlins, 3 in. wide by No. 26 MSG thick steel strips fabricated in the shape of the metal panel.

6. Insulation (Optional) - Any compressible blanket insulation 6 in. max thickness before compression.

7. Purlins No. 16 MSG min gauge steel (50,000 psi min yield strength).

8. Lateral Bracing Not shown. As required.

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

*Bearing the UL Classification Marking