07 00 00 General Information

Architects, in the design of project specific building enclosure systems, shall consider the unique characteristics of the generally hot-humid environment of Conway, SC. Attention to high wind risks and corrosion potential should also be considered.

Architects and Engineers are responsible for proper selection of materials in each building system for specific projects; these standards do not relieve the designer from that responsibility.


07 31 13 Asphalt Shingles

For Steep Slope Roofs: Asphalt Shingles with proper underlayment and fastening for high wind areas.

Products: GAF Timberline HD Lifetime High Definition Shingle.

07 31 50 Slate Shingles

For Steep Slope Roofs: Slate Shingles.

Products: Virginia Slate Co., Color to generally match other buildings on campus.

07 41 13 Metal Roof Panels

For Steep Slope Roofs: Standing-seam metal roof panels. Metal soffit panels.

Products:

Standing Seam Metal Roof: Metallic Coated Aluminum Zinc Alloy Coated with high performance fluoropolymer two coat system. Humidity and Salt spray resistance of 1000 hours. 20 year warranty on finish. 10 year warranty on weathertightness. Solar Reflectance Index not less than 29. Color: Ash Grey. (McElroy Metal, Maxima).

Metal Soffit Panel: Same material as standing seam roof (McElroy Metal, Marquee-Lock).

LEED Considerations: Materials and Resources, MR4, Recycled Content; Regional Priority Credits.
07 52 00 SBS-Modified Bituminous Membrane Roofing

For Low Slope Roofs: SBS-modified bituminous membrane roofing. Roof insulation. Minimum roof slope of 1/4 inch per foot. Special material warranty of 20 years. Special project warranty of 2 years.

Products:

SBS-Modified Bituminous Membrane Roofing; CertainTeed Corp; Ecology Commercial and Industrial Roofing Systems; GAF Materials Corporation; Soprema Roofing and Waterproofing Inc.

Base Sheet Thickness: 60 mils minimum. Membrane Sheet Thickness: 150 mils minimum. Granule Color: White, unless otherwise indicated.


Tapered Insulation: Provide factory-tapered insulation boards fabricated to minimum slope of 1/4 inch per 12 inches, unless otherwise indicated.


07 62 00 Sheet Metal Flashing and Trim

Copings. Gutters and downspouts. Flashing and trim.

Products:


Copings: SPRI Wind Design Standard: Manufacture and install copings and roof-edge flashings tested according to SPRI ES-1. Standing seam joint with 12” wide backup plate. Shop mitered corners.

Gutters and Downspouts: Seamless gutter as produced by Spann Roofing, Conway, SC, rectangular downspouts.