

Kalamazoo Water Reclamation Plant Replacement Roof

Location: Building 1A

The City of Kalamazoo Water Reclamation Plant has a failed membrane roof located on building 1A. This roof is roughly 50' X 130' with a lower location measuring 20' x 40'.

Tear off: The City of Kalamazoo will be responsible for the removal of all mechanical, electric power, and duct work. Contractor shall be responsible for the removal of all ballast, existing sky lights, membrane, flashing, sheet metal trim, insulation, coverboard, and built-up substrate as necessary. Remove and install new decking over the following penetrations:

- capped skylights
- capped curbs
- equipment rails

Measurements and quantity of products are the sole responsibility of the contracted firm. All products used will be installed using manufacture specifications.

Insulation: Mechanically attached two layers of 2.6-inch Polyisocyanurate insulation with using manufacture installation specification. Implement appropriate tapered insulation to achieve slope around roof drains and perimeters.

Membrane: Commercial quality self-adhered full force EPDM 60-Mill membrane roofing system. Extend membrane over edge of roof. Install new 24-gauge pre-finished steel coping cap. Project manager shall select color.

Penetrations & Flashings: Install all necessary membrane flashings at perimeters and penetrations for rooftop units and pipe protrusions.

Roof drains: Install manufacturers prefabricated pipe boot flashing at all straight vents through roof to ensure watertight assembly and details to achieve a 20-year

total system warranty. Precautions shall be made to ensure no debris shall enter roof drains.

Metal: Implementation of specified anodized steel coping edge metal in any color. Custom fabrication and installation of thru-wall scuppers for water drainage.

Warranty: 20-year total system, warranty covering all materials and labor

Installation of expansion joints for integration of the new roof with existing structure.

Metal decking: Contractor shall include a square foot price for the repair, removal and/or installation of failed underlying roof decking.

Include pricing for 5000 square foot of replacement decking.

Roof hatch: Install new standard 30"x36" roof hatch. Railing or ladder up post is not included.