

Sauk County Law Enforcement Center
Baraboo, Wisconsin

E. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain.

- a. 1/2 inch per 12 inches (1:24), unless otherwise indicated.

F. Thicknesses:

1. Provide a minimum of 2 1/2" of insulation at roof drains at areas receiving tapered insulation:
 - a. 2" roof insulation (2 layers, staggered joints). Minimum R-14.3
 - b. 1/2" tapered insulation.
2. Provide a minimum of 4" of insulation (2 layers, staggered joints) at locations with pitched structure. Minimum R-25.
3. Entire roof system to maintain an average R-Value of 25.

2.5 INSULATION ACCESSORIES

- A. General: Furnish roof insulation accessories recommended by insulation manufacturer for intended use and compatible with membrane roofing.
- B. Cold Fluid-Applied Adhesive: Manufacturer's standard cold fluid-applied adhesive formulated to adhere roof insulation to substrate.

2.6 AGGREGATE BALLAST

- A. Aggregate Ballast: Provide aggregate ballast that will withstand weather exposure without significant deterioration and will not contribute to membrane degradation, of the following type and size:

1. Aggregate Type: Smooth, washed, riverbed gravel or other acceptable smooth-faced stone.
2. Size: ASTM D 448, Size 4, ranging in size from 3/4 to 1-1/2 inches (19 mm to 38 mm).

2.7 ROOF PAVERS

- A. Lightweight Roof Pavers: Interlocking, lightweight concrete units, specially factory cast for use as roof ballast; grooved back, with four-way drainage capability; beveled, doweled, or otherwise profiled; and as follows:

1. Manufacturers:

- a. Hanover Architectural Products.
- b. Rapid Building Systems.
- c. Roofblock, Ltd.
- d. Westile Roofing Products.

2. Size: 12 by 12 inches (300 by 300 mm).
3. Weight: 12 lbs/sq.ft. (60 kg/sq.m), minimum.
4. Compressive Strength: 2500 psi (17 MPa), minimum.
5. Accessories:
6. Colors and Textures: Provide manufacturer's standard color and texture for materials and products of type indicated.

PART 3 - EXECUTION

3.1 EXAMINATION