

## **DIVISION 07 – THERMAL and MOISTURE PROTECTION**

### **07 20 00 – Thermal Protection**

1. Envelope performance requirements for new buildings shall exceed the minimum requirements of the Energy Conservation Construction Code of NY State by a minimum of 10% and comply with RIT's Climate Action Plan (CAP) unless otherwise determined by the Director of Planning and Design.
2. Envelope to meet the requirements of ASHRAE Standard 55-2010, Thermal Comfort Conditions for Human Occupancy, with errata or local equivalent.

### **07 53 23 - Ethylene-Propylene-Diene-Monomer Roofing**

1. Basis of Design: Carlisle Golden Seal Total Roofing System with 30-year warranty; 75 mil reinforced EPDM membrane fully adhered.

### **07 72 00 – Roof Accessories**

1. Pitch pockets shall not be used for roof penetrations for conduit or piping.
2. Cones or "witches hats" with a stainless steel "radiator hose" style clamp (with stainless steel worm screw) shall be used.
3. For multiple or large pipes, a "dog house" box shall be used with pipes and conduits exiting the side wall of the box.
4. Roof scuppers:
  - a. Roof scuppers are required by RIT and by code. Scupper serves as secondary roof drain system. Scupper shall be open to daylight.
  - b. Primary roof drains shall be installed and piped to storm drain.

### **07 80 00 – Fire and Smoke Protection**

1. Fire-stopping to be performed by a Fire-Stopping Contractor. There shall only be one fire-stopping contractor per project to cover the work of all trades. Tested and approved fire-stopping details and assembly numbers are to be included in the A/E permit and bid drawings. Contractor to submit fire-stopping package for review and comment.
2. All fire separations (fire walls, fire barriers and fire partitions) shall be labeled "Fire Rated x Hours" (where x is the time) above the ceiling. Labeling to be stencil painted or applied vinyl graphic in red color with min. 3" high letters in sans serif font, such as 'Arial', with min. 1/2" brush stroke; located at maximum 20'-0" intervals and positioned so as not obstructed by ductwork and/or piping.

**END OF DIVISION 07**