

## **CONSTRUCTION REQUIREMENTS**

Note: The buildings on the UCCS campus are divided into two categories: General Fund and Auxiliaries. General Fund Buildings include academic and administrative functions. Auxiliary buildings include residence halls, athletic, and dining facilities. In some cases, construction standards differ depending on the building category. Confirm building category with Facilities Services Project Manager.

### **Division 07- Thermal and Moisture Protection**

- Roofs
- Insulation

## **DIVISION SEVEN: THERMAL AND MOISTURE PROTECTION**

### **A. Roofs-**

1. Flat roofs: Thermoplastic olefin (TPO) in tan preferred. Provide fully adhered, non-reinforced or reinforced membrane. Thickness: 60 mil minimum.
2. Provide walkways/pavers from roof access to all rooftop mechanical equipment. Walkway system to be compatible with roofing system.
3. Sloped Roofs:
  - a. General Fund - Provide standing seam metal roofs
  - b. Auxiliary - Provide concrete tile, standing seam, or asphalt shingle
  - c. Provide gutters to avoid water dripping onto walking surfaces. At exterior downspout locations, discharge water into landscaped areas, or into storm water system. Do not discharge water onto paved walking surfaces.
4. Attention should be paid to the high winds frequently experienced on the campus. Design roofs for minimum 100 mph wind speeds.
5. Warranties:
  - a. General Fund Buildings: Minimum 15 year warranty required
  - b. Auxiliary Buildings: Minimum 15 year warranty required.
  - c. Warranty shall be for the area designed wind speed.
6. Accessories:
  - a. Snow Guards-Provide flat mounted, metal snow guard pads at sloped roofs over entries and walkways.
  - b. Coping and Flashings- Provide pre-finished Kynar coatings.

### **B. Insulation:**

CLOSED CELL EXTRUDED POLYSTYRENE: NOT ACCEPTABLE BECAUSE OF OUTGASING OF ACRID  
ODOR.