

## 07 41 63 – Fabricated Roof Panel Assemblies

### 1. General

- A. There are two important factors in designing exterior walls that should be incorporated into the roofing system:
  1. They shall ensure that with the addition of the specified thickness of insulation, tapered insulation and associated crickets and saddles, there is a minimum 8 inch clear flashing height.
  2. Precautions shall be taken to ensure that water cannot migrate from the exterior walls or curbs into the roofing system.
- B. Parapet walls and interior roof curbs should be part of the roof deck, not independent of the roof deck. Parapet walls shall be incorporated in the building design if possible. This will provide greater resistance to wind uplift and provide a safer place for maintenance personnel to work. The roof shape shall be kept as simple as possible. Do not design three walls of different widths and heights to intersect at slightly different points; this configuration is extremely difficult to flash satisfactorily.
- C. If the wall is not directly attached to the roof deck, special provisions must be made to avoid damage to the base flashings due to differential movement. Two piece, through-wall flashings should be installed at all masonry walls. Through-wall metal flashing reduces the possibility of water entering the roofing system or building interior through vertical wall cavities. Wall flashing shall be extended to the outside of the wall; extend down wall at least 1/4 inch. Weep-holes should be provided above the through-wall metal to allow escape of any water entering the wall above the metal. The exterior wall assembly or interior curbs shall be independent of the roofing system. The assembly shall be designed so it will not interfere with future reroofing of the building.