3.9 Roof Edges

- **Applicability**
  A roof edge detail should be installed as specified by the designer at all flat edges of the roof where the field membrane ends and at internal and external gutters. The standard roof edge details illustrated in this section are generally applicable. Consult Firestone’s Technical Department for assistance when designing an alternative detail that is more suitable for specific roof conditions.

- **Installation Instructions**
  Install a wood nailer at the roof edge. Allow the EPDM field membrane to pass over the edge by minimum 100 mm and fully adhere it to the front of the wood nailer over its full length. Use stainless steel screws to fasten the metal edge profile to the wood nailer at 100 mm on centre. Whenever possible, fasten as close as possible to the edge of the flange. Make sure that the front part of the profile extends a minimum of 25 mm over the underside of the wood nailer. Flash the horizontal flange of the metal profile with minimum 5” (127 mm) QuickSeam Flashing using QuickPrime Plus. Ensure adequate overlap. Special considerations should be made at the end of a roll, at field splices, corners and where adjoining pieces of metal edge profile overlap.
For Ballasted and Inverted Systems, a Firestone Drain Bar profile may be used to prevent the gravel from blowing off the roof. Make sure that the top edge of the drain bar extends a minimum of 50 mm above the level of the field membrane. Fasten the drain bar at 150 mm centres. Use 40 mm stainless steel fasteners with rubber washers. Keep each length of the drain bar separated from the adjoining bar by 5 mm. At inside and outside corners, the bar must be cut and then continued. The drain bar must be fastened a maximum of 25 mm from each end of all sections.

**Fig. 3.9.2**

Metal external gutters require the installation of an appropriate metal edge profile, which is adjusted to the shape of the gutter. Install the profile as previously explained and use 5" (127 mm) QuickSeam Flashing to flash in the flange of the profile.

**Fig 3.9.3**
Concrete external gutters should be flashed with separate strips of EPDM membrane. The flashing membrane should be fully adhered onto the substrate over the full extent of the gutter. Make sure that the flashing strips for the gutter extend a minimum of 200 mm at the internal edge of the gutter, so as to provide sufficient overlap for a batten-in-the-seam detail. The external edge of the gutter must be terminated with a wall termination detail.

Fig. 3.9.4

Internal gutters are to be flashed with separate strips of EPDM membrane. The flashing membrane needs to be fully adhered onto the substrate over the full extent of the gutter. Where possible avoid seams in the gutter, by using long pieces of membrane. Make sure that the flashing strips extend a minimum of 200 mm at both edges of the gutter, so as to provide sufficient overlap for a batten-in-the-seam detail.

Fig. 3.9.5