



FOOTNOTE: ALL PENETRATIONS TO BE GROUTED.



**STRAIGHT EDGE PENETRATION
(WHALERS, RAKERS, STEEL H-BEAMS)
PREPRUFE WATERPROOFING SYSTEM**

DRAWING: PRE-035

SCALE: Not to scale

EFFECTIVE DATE: 01-03-2019

Straight Edge Penetration



Prior to Membrane Installation, Review the Preprufe[®] Data Sheet

Surface Prep

All surfaces must be sound and solid to eliminate movement during the concrete pour. Substrate must be regular and smooth with no gaps or voids greater than 15 mm. The surface should also be free from loose aggregate and sharp protrusions as outlined in the Preprufe[®] Data Sheet section on Surface Preparation.

Detailing

1. All penetrations must be firmly secured and stable. Grout around all penetrations that are not stable. Clean loose dust or dirt from the penetration and the surrounding substrate surface using a clean, dry cloth or brush.
2. Cut the Preprufe Field Membrane tight to the penetration and remove release liner.
3. Apply Liquid Membrane to form a minimum 25 mm continuous fillet between the Preprufe Membrane and the base of the penetration. Extend a 90-mil (2.2 mm) continuous coating of Liquid Membrane overlapping a minimum of 75 mm onto the surface of the Preprufe Membrane and 75 mm onto the penetration.
4. Install a minimum 300 mm strip of Bituthene Membrane centred over the Liquid Membrane fillet so that the Bituthene Membrane extends 150 mm onto the penetration and Preprufe Membrane. For concrete penetrations, apply Bituthene Primer as per standard GCP instructions prior to installation of Bituthene membrane.
5. Apply a strip of Preprufe CJ Tape onto the Bituthene Membrane and overlap onto the Preprufe Field Membrane by a minimum of 50 mm. Apply a second strip of Preprufe CJ Tape starting at the top leading edge of the Bituthene Membrane and overlap onto the first strip of Preprufe CJ Tape by a minimum of 50 mm.
6. Terminate the top leading edge of Preprufe CJ Tape and Bituthene Membrane with a bead of Bituthene Liquid Membrane.
7. Seal apex of all outside corners with Preprufe Tape, corner patch as necessary.

Special Notes

Preprufe membranes should not be used in areas where they will be permanently exposed to sunlight, weather or traffic. Protect membrane from sunlight as quickly as possible after installation.

Ensure Adcor[®] waterstop is encapsulated with 75 mm of concrete cover minimum.

Apply Adcor[®] waterstop according to the installation instructions found on the data sheet.