



NOTE: - REFER TO PREPRUFE STRAIGHT EDGE PENETRATION DETAIL PRE035 OR PIPE PENETRATION DETAIL PRE034 BASED ON SHAPE OF PILE



**GRADE BEAM PILE CAP
OPTION 1
PREPRUFE WATERPROOFING SYSTEM**

DRAWING: PRE-043

SCALE: Not to scale

EFFECTIVE DATE: 01-03-2019



Grade Beam Pile Cap— Option 1

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. Install Preprufe Membrane over the prepared substrate in accord with standard installation instructions.
2. Preprufe Membrane is placed in the area formed for the pile cap before the concrete is poured.
3. When placing the membrane it is important to leave sufficient length (typically 300 mm) of Preprufe beyond the pile cap area to allow for tie-in to the Preprufe Membrane that will be laid to waterproof the general slab area.
4. Install a continuous 25 mm Bituthene Liquid Membrane fillet around the base of the pile extending up the side and over the top of the pile head at a min. of 90-mils. Each rebar penetration is to be treated with a fillet of Bituthene Liquid Membrane.
5. Cut membrane tight to each pile and complete detail around each pile in accordance with detail PRE-035 instructions.

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.

Piles must extend a minimum of 150 mm above the substrate to ensure proper execution of the detail.