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TECHNICAL BULLETIN

ANCHORAGE ALTERNATIVES FOR BITUMEN ADHERED MODIFIED BITUMEN PRIMARY MEMBRANE BASE SHEETS

On August 20, 2008 the ARCA Warranty Ltd. Board met and approved two (2) alternative methods for the perimeter anchorage of bitumen adhered modified bitumen primary membrane base sheets for C of A issuance. The two alternatives outlined below are in addition to the method shown on our February 28, 2008 Technical Bulletin incorporating the continuous metal anchorage bar.

At the perimeter of each self-contained roof section, bitumen adhered primary membrane base sheets shall be turned up the vertical substrate a minimum distance of 75mm, be adhered with a mopping of hot bitumen. A self-adhering modified bitumen membrane flashing base sheet shall be installed in accordance with ARCA Warranty Ltd.'s application standards to cover the anchorage system. Fire prevention tape shall be employed at vertical junctions when removing the base sheet's poly film.

Anchorage Alternative 1

When there is a reduced perimeter height, minimum 12.7mm plywood or 11mm thick oriented strand board extending above the surface of the primary membrane maybe substituted for the metal anchorage bar. The primed wood sheathing shall completely cover the vertical substrate as well as the 75mm high vertical extension of the bitumen adhered primary membrane base sheet. Minimum #14 corrosion resistant metal screws, spaced at maximum 300mm centres, shall uniformly attach the sheathing and base sheet extension to the vertical substrate.

Nailing in any form is not permitted.

Anchorage Alternative 2

Fifty (50) millimeter diameter circular metal fastening plates and screws, approved by the membrane manufacturer, placed over the primary membrane base sheet extension maybe substituted for the metal anchorage bar. Minimum #14 corrosion resistant metal screws spaced at maximum 300mm centres shall anchor each circular fastening plate into the vertical substrate. The bottom of the fastening plate shall be placed no lower than 25mm above the surface of the bitumen adhered primary membrane base sheet.

Nailing in any form is not permitted.