

THE FERRUM RANGE

Excellence in Metal
Roofing & Cladding

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EXCELLENCE IN CONSTRUCTING PERIMETER DETAILING - SIDEWALL






EXCELLENCE IN CONSTRUCTING A SIDEWALL DETAIL:

The purpose of a sidewall flashing is to complete the intersection between the roof and wall up-stand and to seal the building against water penetration. For a sidewall flashing to be effective, it must be durable, low-maintenance, weather resistant, compatible with adjoining materials, and also able to accommodate thermal movement.

The complete construction of the sidewall detail must prevent direct and wind driven water from entering the building and close off the insulation void. All sidewall must cover at least two ribs of the roof sheet, have sealant tape between the flashing & rib and be closed off with a separate metal counter flashing.

MRC Group's commitment to excellence in perimeter detailing is backed with the unrivalled single source 'Guardian' System Warranty that covers design, materials, installation & maintenance for the term of the roofing and cladding system.

ESSENTIAL KEY COMPONENTS:

-  METAL BARGE FLASHING WITH FASTENERS
-  SEALANT TAPE BETWEEN THE RIB AND THE FLASHING
-  METAL COUNTER FLASHING WITH ANGLED RETURN

Sidewall flashing must always cover a minimum of 2 ribs and have a separate metal counter flashing

Please note it is essential that **ALL** components are installed correctly to withstand the impact from wind driven rain and to stop water ingress

JOHANNESBURG – DURBAN – CAPE TOWN

For project specific specifications, CAD Details, Samples or technical assistance please contact our technical department on +27 (0) 861 672 476 or refer to our Technical Brochure available on www.mrc-group.co.za

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Reference number: MRC/FR/PDS/BU/001

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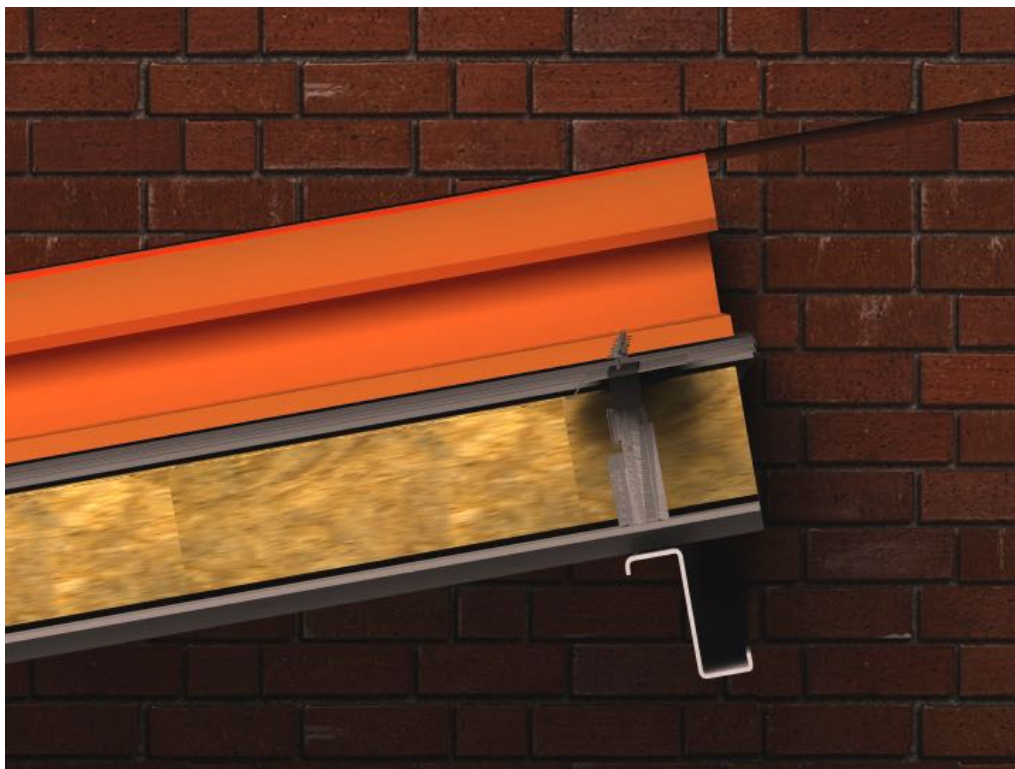
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Illustrations showing a brick wall up-stand however the principles apply to whatever materials are used.



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TECHNICAL DATA FOR CORRECT CONSTRUCTION:

DESIGN OF THE METAL SIDEWALL FLASHING

To determine the overall girth of the barge flashing the following should be considered:-

- Roof Profile – distances from rib to rib
- Depth of the roof construction
- Wind loads, Site location and Environment

A sidewall flashing must cover a minimum of two ribs. (Please refer to the barge flashing technical datasheet MRC/FR/PDB/001 for more information on this aspect.)

Should the gable of the building be angled on plan then you could need barge flashings that cover 3 or 4 ribs, to provide the minimum of 2 ribs at the narrowest point.

The depth of the up-stand should be a minimum of 75mm, with the 100mm minimum deep separate counter flashing lapping the up-stand by a minimum of 50mm.

SEALANT TAPE BETWEEN THE ROOF SHEET & THE FLASHING

The sealant tape between the roof sheet rib and the sidewall flashing is essential to stop wind driven rain entering the detail. Should any water get into the detail, past the sealant, then the force from the wind will have been stopped and the water will roll down the pan into the gutter.

FIXING THE SIDEWALL FLASHING

Class 3 or 4 (depending on the location of the site) tapered stitching screw with 16mm diameter aluminum bonded 3mm EPDM washer, at a maximum of 500mm centres.

SYSTEM WARRANTY

Up to 20 year, single source 'Guardian' System Warranty covers Design, Materials, Workmanship & Maintenance.

CAUTIONARY NOTE

For the long term performance of the sidewall detail, it is essential that all components are installed correctly. Should any of the components such as sealant tape be omitted, or the flashing only covers 1 rib instead of 2, then water will enter the detail.



Failed waterproofing membrane and no metal flashings



Failed metal flashing with waterproofing



Metal sidewall flashing with vertical cladding

ACCREDITATIONS



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