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Modified Bitumen Flashing Detail - Angled Cut End Lap
Modified Bitumen Flashing Detail - Staggered End End Lap

- **CAP SHEET**
- **BASE SHEET**
- **SELVAGE EDGE SIDE LAP**
- **CAP SHEET**
- 100mm (3’’)
- 90mm (3-1/2’’)
- 24” MIN
Modified Bitumen Flashing Detail - Roof Edge with Base Flashing and Cap Sheet Flashing
Vent Pipe Flashing

- Metal Sleeve
- Vent Pipe
- Insulation
- Roof Deck
- IKO Cap Sheet
- Target Patch
- IKO Base Sheet

A 10mm (3/8") bead of asphalt must be visible at junction of the metal sleeve and the cap sheet.
Support Column Flashing

- ELASTOMERIC SEALANT
- STAINLESS STEEL CLAMPING RING
- METAL UMBRELLA
- METAL SLEEVE
- SUPPORT COLUMN
- A 10mm (3/8") BEAD OF ASPHALT MUST BE VISIBLE AT JUNCTION OF THE METAL SLEEVE AND THE CAP SHEET
- IKO CAP SHEET
- TARGET PATCH
- IKO BASE SHEET
- INSULATION
- ROOF DECK
Modified Bitumen Flashing Detail - Parapet/Curb Flashing on All Substrates

DETAIL NUMBER: MB-6

FLASHING HEIGHT IS 200mm (8") MIN AND 800mm (24") MAX ABOVE THE SURFACE OF ROOF.

CAP FLASHING 150mm (6") MINIMUM ON HORIZONTAL SURFACE

BASE FLASHING 200mm (8") MINIMUM ON VERTICAL AND 25mm (1") LESS THAN HEIGHT OF THE CAP FLASHING

KO CAP SHEET
KO BASE SHEET

INSULATION
ROOF DECKING
Modified Bitumen Flashing Details - Shingle Roof Tie-In

**DETAIL NUMBER:** MB-7

**WOOD DECK**

**IKO BASE SHEET**

**IKO CAP SHEET FLASHING**

**IKO CAP SHEET**

**ACCEPTABLE SUBSTRATE**

SHINGLES

25mm (1") DIAMETER HEAD CAP NAIL ONE FASTENER PER SQFT

BASE SHEET TO BE MIN. 450mm (18") MAX. 600mm (24") ABOVE HORIZONTAL SURFACE
Modified Bitumen Flashing Detail - Reglet Mounted Counter flashing

DETAIL NUMBER: MB-8

- BACKER ROD
- HIGH GRADE CAULKING OR MS DETAIL
- SEALANT
- NAIL 150mm (6") O.C. WITH 25mm (1") DIAMETER HEAD CAP NAIL, IF REQUIRED
- METAL SHEET FLASHING
- MASONRY OR CONCRETE WALL ONLY
- CAP FLASHING
- BASE FLASHING ENDING 25mm (1") LESS THAN THE HEIGHT OF THE CAP FLASHING
Modified Bitumen Flashing Detail - Surface Mounted Counterflashing

DETAIL NUMBER: MB-9

High grade caulking or MS detail

Fasten 300mm (12") O.C. minimum see Note 4

Sealant

One ply of fabric sandwiched between two layers of roofing mastic, if required

Metal sheet flashing

Nail 130mm (5") O.C. with 25mm (1") diameter head cap nail, if required

Cap flashing

Base flashing ending 25mm (1") less than the height of the cap flashing

Masonry or concrete wall only
Modified Bitumen Flashing Detail - Masonry Coping

- Stone Coping
- Mortar
- Cap Sheet Flashing
- Masonry or Concrete Wall Only
- 25mm (1") Base Flashing Ending 25mm (1") Less Than the End of Cap Flashing
- Anchor Bolt
- Sealant
Modified Bitumen Flashing Detail - Metal Coping
(24" Max. Parapet Height)
Modified Bitumen Flashing Detail - Through Wall Scupper

- SCUPPER FASTENERS, AS REQUIRED BY OTHERS
- CAP FLASHING, WRAP AROUND
- WELDED WATER TIGHT SCUPPER
- CAP FLASHING MUST EXTEND 150mm (6"
- INSULATION
- CAP SHEET MUST EXTEND A MINIMUM OF 100mm (4"
- PAST FASTENER ONTO PRIMED METAL SURFACE
- BASE FLASHING MUST EXTEND 200mm (8"
- BASE SHEET
Modified Bitumen Flashing Detail - Downspout Scupper Box

CAP FLASHING
SCUPPER FASTENERS, AS REQUIRED BY OTHERS
CAP FLASHING MUST EXTEND 150mm (6”)
INSULATION
CAP SHEET MUST EXTEND A MINIMUM OF 100mm (4”) PAST FASTENER ONTO PRIMED METAL SURFACE
BASE FLASHING MUST EXTEND 200mm (8”) ON HORIZONTAL SURFACE
Modified Bitumen Flashing Detail - Cast Iron Roof Drain

**SECTION**

- **103mm (4") DRAIN BOLTS MINIMUM**
- **CAP SHEET EXTENDS 13-19mm (1/2" - 3/4")**
- **PAST CLAMPING RING**
- **MINIMUM DRAIN SUMP SLOPE 1/4"/12" (2%)**
- **TARGET PATCH, 200mm (8")**
- **MINIMUM BEYOND SUMP AREA**

**BASE SHEET**

**PLAN**

- **TAPERED INSULATION**
- **DRAIN SUMP MITERED AT CORNERS, MINIMUM SUMP SIZE 1m x 1m (3' x 3')**
- **IKO CAP SHEET LAP SHINGLED TO SHED WATER**
- **ROOF SLOPE**
 Modified Bitumen Flashing Detail - Raised Expansion Joint

DETAIL NUMBER: MB-15
Modified Bitumen Flashing Detail - Roof Level Expansion Joint
Modified Bitumen Flashing Detail - Wall Expansion Joint

**DETAIL NUMBER:** MB-17

1. **BACKER ROD**
2. **SEALANT**
3. **HIGH GRADE CAULK**
4. FASTEN WITH 25mm (1") DIAMETER 150mm (6") O.C. MIN
5. THROUGH WALL OR REGLET MOUNTED FLASHING

**COMPRESSIBLE EXPANSION JOINT MATERIAL**

**FASTEN 150mm (6") O.C. MIN.**

**WOOD NAILER**

**CAP FLASHING 150mm (6") MIN ON HORIZONTAL SURFACE**

**BASE FLASHING 200mm (8") MIN. ON HORIZONTAL SURFACE AND 160mm (6") MIN ON VERTICAL SURFACE**

**IKO CAP SHEET**

**IKO BASE SHEET**

**ROOF DECKING**

**FLEXIBLE VAPOR RETARDER**

**INSULATION**
Modified Bitumen Flashing Detail - HVAC Unit

- **FAN HOOD UNIT**
- **CAP FLASHING**
- **IKO CAP SHEET**
- **BASE FLASHING**
- **IKO BASE SHEET**
- **INSULATION**
- **ROOF DECK**
Modified Bitumen Flashing Detail - Built-Up Roof Tie-In
New Roof at Same Level

25mm (1") DIAMETER HEAD CAP NAIL 150mm (6") O.C.
WOOD NAILER SET IN CONTINUOUS LAYER OF ROOF MASTIC

EXISTING BUILT-UP ROOF MEMBRANE. REMOVE ALL GRAVEL. EXISTING BUILT-UP ROOF MEMBRANE MUST BE SMOOTH BEFORE NEW MEMBRANE IS INSTALLED
EXISTING INSULATION

SPECIFY WITH CONFIDENCE.

Detail Number: M 8-19
Detail Number: MB-19
Modified Bitumen Flashing Detail - Built-Up Roof Tie-In with Tapered Edge

DETAIL NUMBER: MB-20

- 25mm (1") DIAMETER HEAD CAP NAIL
- 150mm (6") O.C.
- WOOD NALER SET IN CONTINUOUS LAYER OF ROOF MASTIC

CAP FLASHING

- IKO CAP SHEET
- IKO BASE SHEET
- NEW INSULATION

EXISTING BUILT-UP ROOF MEMBRANE MUST BE SMOOTH BEFORE NEW MEMBRANE IS INSTALLED.

EXISTING BUILT-UP ROOF MEMBRANE: REMOVE ALL GRAVEL.
Modified Bitumen Flashing Detail - New Pitch Pan with Single Section Flashing

DETAIL NUMBER: MB-21

BASE FLASHING THAT MEASURES 200mm (6") LARGER THAN METAL FLANGE IN ALL DIRECTIONS

WELDED WATERTIGHT PITCH PAN

SEAM IN PITCH PAN MUST BE WATERPROOFED WITH MEMBRANE OR METAL FLASHING THAT MEASURES 100mm (4") PAST THE SEAM

100mm (4") METAL FLANGE

EXISTING ROOF
Modified Bitumen Flashing Detail - Support Sleeper

WOOD BLOCKING MINIMUM OF 50mm (2") WIDER THAN TREATED WOOD EQUIPMENT SUPPORT WHERE REQUIRED BY WEIGHT OR EQUIPMENT

TREATED WOOD EQUIPMENT SUPPORT

A 25mm (1") LAYER OF EXTRUDED POLYSTYRENE IS RECOMMENDED TO PROVIDE AN ADDITIONAL CUSHION. A WATER BASED COATING IS RECOMMENDED FOR THE EXTRUDED POLYSTYRENE

CUSHION LAYER OF CAP SHEET MINIMUM OR 50mm (2") WIDER THAN THE TREATED WOOD EQUIPMENT SUPPORT. MAY BE MOPPED OR TORCHED IN PLACE

IKO CAP SHEET
IKO BASE SHEET
NEW INSULATION
ROOF DECK
Modified Bitumen Flashing Detail - Outside Corner

**STEP ONE**

APPROPRIATE IKO PRIMER

100mm (4") OVERLAP

BASE FLASHING

**STEP TWO**

APPROPRIATE IKO PRIMER

BASE FLASHING

100mm (4") OVERLAP

**STEP THREE**

76mm x 150mm (3" x 6") GUSSET

**STEP FOUR**

76mm x 150mm (3" x 6") GUSSET

150mm (6") OVERLAP

**STEP FIVE**

CAP SHEET
Modified Bitumen Flashing Detail - Inside Corner without Cant Strip

**STEP ONE**
Appropriate IKO Primer

**STEP TWO**
Appropriate IKO Primer

**STEP THREE**
76mm x 150mm (3" x 6") Gusset

**STEP FOUR**
Cap Sheet 100mm (4") Overlap

**STEP FIVE**
Cap Sheet 150mm (6") Overlap
ArmourBond™ - Flashing Inside Corner Option 1

**STEP ONE**

SELF ADHERING MEMBRANE. REMOVE FILM AND SET ON TOP OF PARAPET.

**STEP ONE: FLASHING PATTERN**

REMOVE THIS PORTION OF FLASHING

**STEP TWO**

A3 FLASHING WITH 2 SELF ADHERING SIDES, REMOVE FILM AND SET IN PLACE.

**STEP TWO: FLASHING PATTERN**

FIELD VARY HEIGHT

**STEP THREE**

FIELD CUT FLASHING TO MEET HEIGHT OF PARAPET, WRAP ON HORIZONTAL SURFACE OF PARAPET.
ArmourBond™ - Flashing Inside Corner Option 1

**STEP FOUR**
- Base flashing to meet flashing corner detail. Min overlap 4".
- Angle corner of base flashing.

**STEP FIVE**
- Base flashing to meet flashing corner detail. Min overlap 4".
- Field cut corner of base flashing to match angle of first cut.

**STEP SIX**
- Torch apply gusset 3" x 6" (76mm x 150mm) to corner.
ArmourBond™ - Flashing Inside Corner Option 2

**STEP ONE**

AB FLASHING WITH 2 SELF ADHERING SIDES. REMOVE FILM AND SET IN PLACE.

**STEP ONE: FLASHING PATTERN**

FIELD CUT FLASHING TO MEET HEIGHT OF PARAPET. WRAP ON HORIZONTAL SURFACE OF PARAPET.

**STEP TWO**

BASE FLASHING TO MEET FLASHING CORNER DETAIL. MIN OVERLAP 4''

**STEP THREE**

ANGLE CORNER OF BASE FLASHING
ArmourBond™ - Flashing Inside Corner Option 2

STEP FOUR
BASE FLASHING TO MEET FLASHING CORNER DETAIL. MIN OVERLAP 4"
FIELD CUT CORNER OF BASE FLASHING TO MATCH ANGLE OF FIRST CUT.

STEP FIVE
SELF ADHERING MEMBRANE. REMOVE FILM AND SET ON TOP OF PARAPET. CUT CORNER AND FOLD DOWN EDGE OF PARAPET

STEP SIX
TORCH APPLY GUSSET 3" X 6" (76MM X 150MM) TO CORNER.
Modified Bitumen Flashing Detail - Termination Bar

2ND BASE FLASHING, EXTEND OVER TERMINATION BAR BY 150mm (6”)

TERMINATION BAR

WHEN BASE FLASHING EXTENDS 900mm (24") OR HIGHER, A TERMINATION BAR IS REQUIRED.

CAP FLASHING 150mm (6") MINIMUM ON HORIZONTAL PLANE.

BASE FLASHING 200mm (8") MINIMUM ON HORIZONTAL PLANE AND 25mm (1") LESS THAN HEIGHT OF THE CAP FLASHING.

IKO CAP SHEET
IKO BASE SHEET

INSULATION
ROOF DECKING
Modified Bitumen Flashing Detail - Base Sheet Perimeter Attachment – Horizontal

BASE SHEET FLASHING
PERIMETER ATTACHMENT
OF BASE SHEET:
TERMINATION BAR
LOCATED MAX 1” FROM
VERTICAL SURFACE. 6”
SCREW HOLE O.C.
BASE SHEET

INSULATION
ROOF DECKING
Modified Bitumen Flashing Detail - Base Sheet Perimeter Attachment – Vertical

- BASE SHEET FLASHING
- PERIMETER ATTACHMENT OF BASE SHEET. TERMINATION BAR LOCATED MAX 1" FROM HORIZONTAL SURFACE. 6" SCREW HOLE O.C.
- BASE SHEET
- INSULATION
- ROOF DECKING
Modified Bitumen Flashing Detail - Perimeter Flame Free

- IKO SAM ADHESIVE
- ARMOURSTICK HD BASE SHEET
- 2" HOT AIR WELD
- ARMOURSTICK HD CAP SHEET
- 4" IKO AQUABARRIER MASTIC
- 2" HOT AIR WELDED
- 2" HOT AIR WELD ARMOURSTICK HD BASE SHEET
- IKO SAM ADHESIVE
- BURN POLY FILM
- HOT APPLIED CAP SHEET
- EMBED GRANULES
- ARMOURSTICK HD CAP SHEET
- HOT APPLIED BASE SHEET
- 2" HOT AIR WELD