WeatherBond EPDM

A. The Fully Adhered Roofing System incorporates WeatherBond (black or white) non-reinforced EPDM or WeatherBond Black Reinforced EPDM membrane. An acceptable insulation is mechanically attached to the roof deck or Fully Adhered with WeatherBond supplied urethane-based insulation adhesive or hot asphalt and the EPDM membrane is Fully Adhered to the insulation with WeatherBond’s EPDM Bonding Adhesive (WeatherBond’s LC-60 Bonding Adhesive, Low-VOC Bonding Adhesive or WeatherBond Water Based Adhesive). Adjoining sheets of EPDM membrane are spliced together using 3” or 6” wide P&S Seam Tape and Primer or factory-applied P&S Seam Tape (WeatherBond EPDM with Pre-applied Seam Tape) and Primer. There are no maximum slope restrictions for the application of this roofing system.

Note: When non-reinforced EPDM membrane is used, WeatherBond recommends a minimum of 60-mil thick material. WeatherBond 45-mil non-reinforced EPDM may be utilized when specified or required by the owner or owner’s representative.

B. The Mechanically Attached Roofing System incorporates reinforced EPDM membrane. An acceptable insulation is Mechanically Attached to the roof deck and, depending on project criteria; the reinforced membrane is Mechanically Attached with the appropriate WeatherBond Fastener and 2” or 2½” diameter Fastening Plates (Polymer Plates required over steel deck) or Fastening Bars at 6” minimum to 12” maximum along the center of the membrane splice.

Adjoining sheets of EPDM membrane are spliced together using factory-applied P&S Seam Tape and Primer or P&S Seam Tape and Primer. Field membrane sheets are either 8’ or 10’ wide depending upon wind load requirements, building height and type of roof deck. At the roof perimeter, a heavier fastening density is required utilizing 4½-wide sheets or 9”-wide Peel & Stick RPS (Reinforced Perimeter Strip). The maximum roof slope for this roofing system is 18’ in one horizontal foot.
WeatherBond TPO & PVC

WeatherBond Thermoplastic Membranes

A. Mechanically Attached Systems
(WeatherBond TPO / WeatherBond PVC)

1. The WeatherBond TPO Mechanically Attached Roofing System incorporates 12', 10' or 8' wide, white, tan or gray 45, 60, or 80-mil thick scrim-reinforced, WeatherBond Thermoplastic Polyolefin (TPO) membrane field sheets. Insulation is mechanically attached to an acceptable roof deck. WeatherBond TPO perimeter sheets (6' used with 10' and 12' wide field sheets; 4' used with 8' wide field sheets) are installed along building edges and field membrane sheets are Mechanically Attached to the roof deck with the appropriate WeatherBond fasteners and fastening plates. Adjoining sheets of WeatherBond TPO membrane are overlapped and joined together with a minimum 1½" wide heat weld. Membrane fastening requirements are outlined in Tables in Paragraph 1.05 of this Specification.

2. The WeatherBond PVC Mechanically Attached Roofing System incorporates 50, 60 or 80-mil Polyester Reinforced WeatherBond Polyvinyl Chloride (PVC) membrane or Polyester Reinforced WeatherBond Polyvinyl Chloride (PVC) Membrane with Elvaloy (KEE). Either membrane is available in 10'-wide (white membrane only) field sheets and 5' perimeter sheets. Standard Polyester Reinforced membrane is also available in 81" wide (white, gray or tan) field sheets and 40½" perimeter sheets. WeatherBond PVC sheets are available in rolls in 65', 80' or 100' rolls. All sheets are mechanically attached over an approved insulation/underlayment to an acceptable roof deck with the appropriate WeatherBond Fasteners and Fastening Plates. Adjoining sheets of WeatherBond PVC membrane are overlapped and joined together with a minimum 1½" wide heat weld. Membrane fastening requirements are outlined in Tables in Paragraph 1.05 of this Specification.

B. Fully Adhered Roofing Systems
(WeatherBond TPO / WeatherBond PAS TPO / WeatherBond PVC)

1. The WeatherBond TPO Fully Adhered Roofing System incorporates maximum 12' wide white, gray or tan 45, 60 or 80-mil thick scrim-reinforced WeatherBond Thermoplastic Polyolefin (TPO) membrane. WeatherBond Insulation is mechanically attached to the roof deck or secured with DASH Adhesive, OlyBond 500 BA, or OlyBond Spot Shot Adhesive and the membrane is fully adhered to the insulation with the appropriate WeatherBond TPO Bonding Adhesive. Adjoining sheets of membrane are overlapped approximately 2" and joined together with a minimum 1½" wide heat weld.

2. The WeatherBond PAS TPO (Peel & Stick TPO) membrane is a heat-weldable single-ply thermoplastic polyolefin (TPO) sheet available in 10' wide, white 60-mil reinforced TPO membrane laminated to an elastomeric pressure-sensitive adhesive.

3. The WeatherBond PVC Fully Adhered Roofing System incorporates maximum 10' wide, 50-mil, 60-mil or 80-mil thick Polyester or Fiberglass reinforced WeatherBond Polyvinyl Chloride (PVC) membrane. WeatherBond Insulation is mechanically attached to the roof deck or secured with an approved adhesive and the membrane is fully adhered to the substrate with WeatherBond PVC Low VOC Bonding Adhesive or AquaBase 120 Bonding Adhesive. Adjoining sheets of membrane are overlapped and joined together with a minimum 1½" wide heat weld.
INSTALLATION DETAILS

TABLE OF CONTENTS

WeatherBond EPDM
Fully Adhered and Mechanically Attached Roofing Systems

Mechanically Attached
Membrane Securement – Option 1 (WBRMA-2.0A) ................................................................. 1
Membrane Securement with Peel & Stick RPS – Option 2 (WBRMA-2.0B) ......................... 2
EPDM Membrane Splice (WBRMA-2.1) ................................................................................. 3
End Lap Splice (WBRMA-2.2) ................................................................................................. 4
P&S Seam Tape Splice Intersection (WBRMA-2.3) ................................................................. 5
Roof Drain with Sump (WBRMA-6.1) .................................................................................... 6
Peel & Stick Pipe Seal (WBRMA-8.1) ..................................................................................... 7
Field Fabricated Pipe Seal (WBRMA-8.2) .............................................................................. 8
Ridge Membrane Attachment (WBRMA-22.0) .................................................................... 9

Metal Edges and Gravel Stops
WeatherBond Drip Edge Fascia (WBRC-1.1A) .................................................................. 10
Metal Bar Edge Termination (WBRC-1.3) ............................................................................ 11

Membrane Splices
EPDM Membrane Splices (WBRC-2.1A) ........................................................................... 12
EPDM Membrane Splices – Projects with 90-mil Membrane ............................................. 13
P&S Seam Tape Splice Intersection (WBRC-2.2) ............................................................... 14
EPDM Membrane Splices at Angle Change (WBRC-2.3) ..................................................... 15

Expansion Joints
Deck-to-Deck Expansion Joint (WBRC-5.1) .................................................................... 16
Deck-to-Wall Expansion Joint (WBRC-5.2) ....................................................................... 17
Shear/Expansion Cover (WBRC-5.3) ............................................................................... 18

Curb Flashing
Curb Flashing (WBRC-5.1) ................................................................................................. 19
Peel & Stick Curb Wrap (WBRC-5.2) .................................................................................. 20
New Self-Flashil Metal Curb (WBRC-5.3) ........................................................................... 21
Self-Flashil Curb (WBRC-5.4) .......................................................................................... 22

Drains
Roof Drain (WBRC-6.1) ........................................................................................................ 23
WeatherBond Add-on Drain (WBRC-6.2) .......................................................................... 24
WeatherBond Insert Drain (WBRC-6.3) ............................................................................. 25
Insert Drain Through Deck (WBRC-6.4) ............................................................................ 26

Pipe Flashing
Pre-Molded Peel & Stick Pipe Seal (WBRC-8.1A) ................................................................. 27
Pre-Molded Peel & Stick Pipe Seal with 90-mil Membrane ............................................... 28
Field Fabricated Pipe Seal/ Structural Steel Tube Flashing (WBRC-8.2) ......................... 29
Flexible Penetration (WBRC-8.3) ...................................................................................... 30
Field Fabricated Hot Stack (WBRC-8.5) ............................................................................ 31
Terminations
Membrane Terminations 1 (WBRC-9.0A) ................................................................. 32
Membrane Terminations 2 (WBRC-9.0B) ................................................................. 33
Parapet/Curb with Peel & Stick RPS – Vertical (WBRC-12.1) .............................. 34
Parapet/Curb with Peel & Stick RPS – Horizontal (WBRC-12.2) ......................... 35
Parapet/Curb with Separate Membrane Flashing (WBRC-12.3) ......................... 36

Tie-Ins
Built-Up Roofing Tie-In over Steel Roof Deck (WBRC-13.1) ............................... 37
Built-Up Roofing Tie-In over Concrete Roof Deck (WBRC-13.2) ......................... 38
Tie-In to Existing EPDM Membrane (WBRC-13.3) .......................... 39
EPDM Tie-In Over Concrete Deck (WBRC-13.4) .................................................. 40
Tie-In with Shingled Roof (WBRC-13.5) ................................................................. 41
Tie-In Between New WeatherBond Fully Adhered & Ballasted Roof (WBRC-13.6) .... 42
Tie-In Between New WeatherBond Mechanically Attached & Ballasted Roof (WBRC-13.7) .... 43

Inside/Outside Corners
Inside Corner with RPS – Option 1 (WBRC-15.1) ................................................. 44
Inside Corner with RPS – Option 2 (WBRC-15.2) .................................................. 45
Inside Corner with Continuous EPDM Wall Flashing (WBRC-15.3) ................. 46
Inside Corner with Separate EPDM Wall Flashing (WBRC-15.4) ...................... 47
Inside Corner Flashing for Projects with 90-mil Membrane ............................ 48
Outside Corner with Pre-Cut Peel & Stick Flashing (WBRC-15.5) ..................... 49
Outside Corner with Peel & Stick Uncured Flashing – Option 1 (WBRC-15.6) .... 50
Outside Corner with Peel & Stick Uncured Flashing – Option 2 (WBRC-15.7) . 51
Outside Corner Flashing for Projects with 90-mil Membrane ......................... 52

Sealant Pocket
Peel & Stick Pourable Sealer Pocket (WBRC-16.1) ................................................. 53
Field Fabricated Pourable Sealer Pocket (WBRC-16.2) ........................................ 54
Extended Pourable Sealer Pocket (WBRC-16.3) ................................................ 55

Through-Wall Scupper
Metal Scupper at Deck (WBRC-18.1) ................................................................. 56

Lightning Rod
Lightning Rod at Parapet – Vertical Attachment (WBRC-20.1) .................... 57
Lightning Rod at Deck Level with Pourable Sealer (WBRC-20.2) .................... 58
Lightning Rod at Deck Level with PS Seam Tape (WBRC-20.3) ....................... 59

Valley
Valley (WBRC-22.0) ........................................................................................ 60

Sleeper
Sleeper (WBRC-24.0) ....................................................................................... 61

Penetration
I-Beam Penetration (WBRC-30.0) ................................................................ 62

WeatherBond TPO / WeatherBond PVC
Mechanically Attached and Fully Adhered Roofing Systems

Mechanically Attached
Membrane Securement (WBPM-2.0) ........................................................................... 63
TPO Membrane Securement with Pressure-Sensitive RUSS (WBPM-2.0B) .............. 64
Mechanically Attached Membrane Splice (WBPM-2.1) ........................................ 65
Fastener and Plate Placement (WBPM-2.2) ............................................................... 66
Ridge Membrane Attachment (WBPM-22.0) .......................................................... 67

Metal Edges and Gravel Stops
TPO Drip Edge Fascia (WBPC-1.1) ........................................................................ 68
TPO/PVC Heat Weldable Drip Edge (WBPC-1.2) ..................................................... 69
Metal Bar Edge Termination (WBPC-1.3) ............................................................... 70

Membrane Splices
Membrane Splice (WBPC-2.0) ............................................................................. 71

Expansion Joints
Deck-to-Deck Expansion Detail (WBPC-3.1) ......................................................... 72
Deck-to-Wall Expansion Detail (WBPC-5.2) ............................................................ 73

Curb Flashing
Curb Flashing (WBPC-5.1) .................................................................................. 74
Coated Metal Curb Flashing (WBPC-5.2) ................................................................. 75
Pre-Fabricated TPO Curb (WBPC-5.3) ................................................................. 76

Drains
Roof Drain (Drain Sump Up to 3 inches to 1 Horizontal Foot) (WBPC-6.1) ............. 77
Roof Drain (Drain Sump Greater than 3 inches to 1 Horizontal Foot) Option (WBPC-6.2) .... 78

Pipe Flashing
Pre-Molded Flashing (WBPC-8.1) .......................................................................... 79
Field Fabricated Pipe Flashing (WBPC-8.2) ............................................................. 80
Pre-Fabricated Square Tube Wrap (WBPC-8.3) ....................................................... 81
Pre-Fabricated Split Pipe Seal (WBPC-8.5) ............................................................ 82
Hot Pipe Flashing (WBPC-8.6) ............................................................................. 83

Terminations
Membrane Terminations 1 (WBPC-9.0A) ............................................................. 84
Membrane Terminations 2 (WBPC-9.0B) ............................................................. 85

Parapet Flashing
Parapet Flashing (WBPC-12.1) .............................................................................. 86
Parapet Flashing with Pressure-Sensitive RUSS 1 (WBPC-12.2A) ...................... 87
Parapet Flashing with Pressure-Sensitive RUSS 2 (WBPC-12.2B) ................. 88
Coated Metal Wall Flashing (WBPC-12.3) ......................................................... 89
Parapet Flashing >48” (1200mm) – Vertical Securement (WBPC-12.4) ............ 90
Parapet Flashing >48” (1200mm) – Horizontal Securement (WBPC-12.5) ....... 91
Parapet Flashing/No Adhesion – Any Height Option (WBPC-12.6) ............... 92
Tie-Ins
TPO Tie-In To Built-Up Roofing Over Steel Roof Deck (WBPC-13.1) .......................................................... 93
TPO Tie-In To Built-Up Roofing Over Concrete Roof Deck (WBPC-13.2) ...................................................... 94
TPO/PVC Tie-In To Existing Single-Ply (WBPC-13.3) .................................................................................... 95
TPO Tie-In to Existing EPDM Membrane (WBPC-13.4) ................................................................................. 96
EPDM Tie-In on Concrete Deck (WBPC-13.5) ............................................................................................. 97
TPO/PVC Tie-In to Shingled Roof (WBPC-13.6) ........................................................................................... 98

Inside / Outside Corners
Pre-Molded Inside Corner Flashing (WBPC-15.1) ......................................................................................... 99
Field Fabricated Inside Corner Flashing (WBPC-15.2) ............................................................................... 100
Inside Corner with Coated Metal Flashing (WBPC-15.3) ......................................................................... 101
Pre-Molded Outside Corner Flashing (WBPC-15.4) .................................................................................. 102
Field Fabricated Outside Corner Flashing (WBPC-15.5) ......................................................................... 103
Outside Corner with Coated Metal Wall Flashing (WBPC-15.6) ................................................................. 104
Universal Corners (WBPC-15.7) ................................................................................................................. 105

Sealant Pocket
Molded Sealant Pocket (WBPC-16.1) ........................................................................................................... 106
Pre-Fabricated Sealant Pocket (WBPC-16.2) ............................................................................................... 107

Through-Wall Scupper
Scupper with Coated Metal (WBPC-18.1) ..................................................................................................... 108
Scupper at Deck – TPO (WBPC-18.2) ........................................................................................................ 109
Scupper at Deck – PVC (WBPC-18.3) .......................................................................................................... 110

Lightning Rods
Lightning Rod at Parapet – Vertical Attachment (WBPC-20.1) ................................................................. 111
Lightning Rod at Deck Level (WBPC-20.2) .................................................................................................. 112
NOTES:
1. REFER TO WEATHERBOND SPECIFICATIONS FOR REQUIRED NUMBER OF PERIMETER SHEETS, SHEET WIDTH AND MEMBRANE FASTENING DENSITY.
2. END LAPS DO NOT REQUIRE MECHANICAL FASTENING AND SHALL BE SPLICED USING EITHER 3" (76mm) OR 6" (152mm) WIDE P&S SEAM TAPE. REFER TO DETAIL WBRMA-2.2.
3. EPDM PRIMER MUST BE APPLIED TO THE BACK SIDE OF MEMBRANE SURFACE PRIOR TO ADHERING MEMBRANE TO PEEL & STICK RPS.
4. HPW FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED OVER STEEL DECKS.

1. HPW FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED OVER STEEL DECKS.
2. PRIOR TO THE INSTALLATION OF SPICE TAPE, APPLY EPDM PRIMER TO SPICE AREAS.
3. FIELD APPLIED P&S SEAM TAPE IS TO BE OVERLAPPED A MINIMUM OF 1" (25mm) AT THE EDGES OF EACH OUT PIECE. APPLY LAP SEALANT AT TAPE OVERLAPS 2" (51mm) IN EACH DIRECTION AS SHOWN.
4. APPLY LAP SEALANT ALONG THE LEADING EDGE OF THE MEMBRANE SPICE UNDER THE 6"x6" (152x152mm) T-JOINT COVER, COVERING THE EXPOSED SPICE TAPE 1/2" (13mm) IN ALL DIRECTIONS FROM THE SPICE INTERSECTION.
5. END LAPS SHALL BE SPLICED USING EITHER 3" (76mm) OR 6" (152mm) WIDE P&S SEAM TAPE. REFER TO DETAIL WBRMA-2.2.
6. LAP SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED EPDM MEMBRANE.
NOTES:
1. APPLY EPDM PRIMER TO THE MEMBRANE SURFACES PRIOR TO INSTALLING PEEL & STICK FLASHING.
2. LAP SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED EPDM MEMBRANE.
NOTES:
1. HPW FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED OVER STEEL DECKS.
2. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH THE LOCAL CODES.
3. THE HOLE IN THE MEMBRANE SHALL EXCEED THE DIAMETER OF THE DRAIN PIPE, BUT SHALL BE NO LESS THAN 1/2" (13mm) FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.
4. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
5. REMOVE EXISTING LEAD, FLASHING MATERIAL & ENSURE THE DRAIN RING IS COMPLETELY CLEAN DOWN TO BARE METAL.
6. PRIOR TO INSTALLATION OF SPlice TAPE, APPLY PRIMER TO SPlice AREAS.

DRAIN SUMP
REFERENCE DETAILS

WATER CUT-OFF MASTIC
STAINLESS STEEL CLAMPING RING (B Y OTHERS)
PEEL & STICK PIPE SEAL

NOTES:
1. REMOVE ALL LEAD AND OTHER FLASHING BEFORE INSTALLING PIPE SEAL.
2. TEMPERATURE OF PIPE MUST NOT EXCEED 160°F (71°C).
3. PRE-MOLDED PIPE SEAL MUST HAVE INTACT RIB AT THE TOP EDGE REGARDLESS OF PIPE DIAMETER.
4. INSTALL A MINIMUM OF 4 SEAM FASTENING PLATES FOR PIPES WITH A DIAMETER UP TO 6" (152mm). ADDITIONAL SEAM FASTENING PLATES WILL BE REQUIRED FOR PIPES GREATER THAN 6" (152mm) IN DIAMETER AND SHALL BE SPACED 12" (305mm) ON CENTER MAXIMUM.
5. HPW FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED OVER STEEL DECKS.
6. EPDM PRIMER MUST BE APPLIED TO MEMBRANE SURFACE PRIOR TO APPLYING PEEL & STICK CURED COVER STRIP (OVER FASTENING PLATES) AND PEEL & STICK PIPE SEAL.
7. DECK FLANGES OF THE PEEL & STICK PIPE SEAL SHALL NOT BE OVERLAPPED, CUT OR APPLIED OVER ANY ANGLE CHANGE.
8. WHEN A FIELD SPlice INTERSECTS A PIPE SEAL, APPLY LAP SEALANT ALONG THE EDGE OF THE MEMBRANE SPlice COVERING THE EXPOSED SPlice TAPE 1/2" (13mm) IN EACH DIRECTION FROM THE SPlice INTERSECTION & OVERLAY WITH A 6"X6" (152 X 152mm) T-JOINT COVER.

WEATHERBOND ROOFING SYSTEMS © 2018 Weathertec
NOTES:
1. REMOVE ALL LEAD AND OTHER FLASHING BEFORE INSTALLING PEEL & STICK UNCOURED EPDM FLASHING.
2. TEMPERATURE OF PIPE MUST NOT EXCEED 180°F (82°C).
3. HPWX FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED OVER STEEL DECKS.
4. EPDM PRIMER MUST BE APPLIED TO THE PIPE & MEMBRANE SURFACE PRIOR TO APPLYING PEEL & STICK UNCOURED COVER STRIP (OVER FASTENING PLATES) AND PEEL & STICK UNCOURED EPDM FLASHING.

FIELD FABRICATED PIPE SEAL

WEATHERBONE

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MECHANICALLY ATTACHED EPDM

WBORMA-8.2

NOTES:
1. RIDGE MEMBRANE ATTACHMENT IS ONLY REQUIRED WHEN ROOF SLOPE EXCEEDS 3° TO THE HORIZONTAL FOOT (75 mm/300 mm).
2. REINFORCED EPDM MEMBRANE SHALL BE INSTALLED PARALLEL WITH RIDGE LINE (WITH MEMBRANE CENTERED OVER THE RIDGE LINE) AS SHOWN.
3. FOR PROPER MEMBRANE ATTACHMENT AND SPlicing, REFER TO APPlicable WBORMA-2 DETAIL.
4. REFER TO WEATHERBONE SPECIFICATIONS FOR REQUIRED NUMBER OF PERIMETER SHEETS, SHEET WIDTH AND MEMBRANE FASTENING DENSITY.
5. HPWX FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED OVER STEEL DECKS.
6. AS AN OPTION, 9" (229mm) WIDE PEEL & STICK RPS MAY BE USED BENEATH EPDM FIELD SHEETS FOR PERIMETER SECUREMENT.
NOTES:
1. DECK FLANGE MUST BE TOTALLY COVERED WITH MINIMUM 2” (51mm) COVERAGE PAST NAIL HEADS.
2. WOOD NAILER MUST EXTEND PAST TOTAL WIDTH OF METAL EDGE.
3. TO REMOVE FINISHING OILS, SCRUB METAL FLANGE WITH WEATHERED MEMBRANE CLEANER; ALLOW TO DRY PRIOR TO APPLYING PRIMER.
4. LAP SEALANT MUST BE APPLIED AT FLASHING OVERLAPS AND INTERSECTIONS WITH JOINTS IN METAL EDGING.
5. APPLY LAP SEALANT ALONG THE LEADING EDGE OF THE MEMBRANE SPlice (UNDER THE 6”x6” T-JOINT COVER) COVERING THE EXPOSED SPlice TAPE 1/2’ (13mm) IN ALL DIRECTIONS FROM THE SPlice INTERSECTION. T-JOINT COVER NOT NEEDED WHEN USING PS OVERLAYMENT STRIP.
6. REFER TO APPLICABLE WEATHERBOND METAL EDGING INSTRUCTION MANUAL FOR STEP-BY-STEP INSTALLATION PROCEDURES.
7. DETAIL NOT FOR USE WITH DESIGN "D" (BALLASTED STONE ASSEMBLY).
NOTES:

1. FIELD APPLIED P&S SEAM TAPE IS TO BE OVERLAPPED A MINIMUM OF 1" (25mm) AT THE ENDS OF EACH CUT PIECE. APPLY LAP SEALANT AT TAPE OVERLAPS 2" (51mm) IN EACH DIRECTION AS SHOWN.

2. APPLY LAP SEALANT ALONG THE LEADING EDGE OF THE MEMBRANE SPlice UNDER THE 6"X6" (152mm X 152mm) T-JOINT COVER, COVERING THE EXPOSED SPlice TAPE 1/2" (13mm) IN ALL DIRECTIONS FROM THE SPlice INTERSECTION.

3. 6" (152mm) WIDE PEEL & STICK UNCURLED EPDM FLASHING, IN CONJUNCTION WITH EPDM PRIMER, MAY ALSO BE CENTERED OVER THE INTERSECTING POINT OF THE LEADING EDGES OF THE FIELD SPlice INTERSECTION.

4. LAP SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED EPDM MEMBRANE.

OPTIONS:

OPTION 1

3" (76mm) WIDE PRE-APPLIED TAPE IN CONJUNCTION WITH EPDM PRIMER

OPTION 2

6" (152mm) WIDE PEEL & STICK CURLED FLASHING

NOTES:

1. PROJECTS WITH 90-MIL EPDM MEMBRANE. TAPE SPlices MAY BE A MINIMUM 3" (76mm) WIDE PRE-APPLIED SEAM TAPE. IN ADDITION, OVERLAY THE ENTIRE FIELD SPlice WITH A CONTINUOUS 6" (152mm) WIDE PEEL & STICK CURLED FLASHING.

2. APPLY LAP SEALANT AT ALL INTERSECTIONS BETWEEN PEEL & STICK OVERLAYMENT STRIP.

3. EPDM MEMBRANE SPlices—PROJECTS WITH 90-MIL MEMBRANE.
NOTES:

1. THE USE OF LAP SEALANT ALONG ENTIRE SPlice EDGE IS OPTIONAL; EXPECT AT CUT EDGES OF REINFORCED MEMBRANE AND TAPE OVERLAPS, REFER TO WBRC-2.1A.

2. APPLY LAP SEALANT ALONG THE EDGE OF THE MEMBRANE SPlice UNDER THE 6"x6" (152mm x 152mm) T-JOINt COver, COVERING THE EXPOSED SPlice TAPE 1/2" (13mm) IN EACH DIRECTION FROM THE SPlice INTERSECTION.

3. REFER TO DETAIL WBRC-2.1B FOR WARRANTY PROJECTS EXCEEDING 20 YEARS OR WHEN USING 90-MIL MEMBRANE.
NOTES:

1. For expansion joint intersections and intersections between expansion joints to wall or edging, use two layers of peel & stick uncured EPDM flashing with second layer 3" (76mm) larger than previous layer in all directions.
2. Width of joint shall be a minimum of 3/4" (19mm) and shall not exceed 3" (76mm) when Weatherbond expansion joint support is used.
3. On mechanically fastened systems, HPX fasteners and polymer seam plates are required over steel decks.
4. EPDM primer must be applied to back side of deck membrane prior to completing splice to peel & stick RPS.

NOTES:

1. All outside and inside corners require two complete corner applications of peel & stick uncured EPDM flashing as per DETAILS WBRC-12.
2. Width of joint shall be a minimum of 3/4" (19mm) and shall not exceed 2" (51mm) when Weatherbond expansion joint support is used.
3. All vertical field splices at the base of a wall or curb must be overlaid with a peel & stick T-joint cover or a 6"x6" (152mm x 152mm) section of peel & stick uncured EPDM flashing centered over the field splice. Projects using 50mil membrane, all vertical splices must be overlaid with a T-joint cover and covered with a 6"x6" (305mm x 305mm) peel & stick uncured EPDM flashing piece or T-joint cover. Both layers shall be centered and sealed with continuous lap sealant. Refer to DETAIL WBRC-12.
4. On mechanically fastened systems, HPX fasteners and polymer seam plates are required over steel decks.
5. EPDM primer must be applied to back side of deck membrane prior to completing splice to peel & stick RPS.
NOTES:

1. PEEL & STICK RPS MAY BE INSTALLED INTO THE STRUCTURAL DECK. ON MECHANICALLY-FASTENED ROOFING SYSTEMS, HPWX FASTENERS AND POLYMER SEAL PLATES ARE REQUIRED OVER STEEL DECKS.

2. ALL VERTICAL SPACES AT THE BASE OF A WALL OR CURB MUST BE OVERLAPPED WITH A PEEL & STICK T-JOINT COVER OR A 6" X 6" (152mm X 152mm) SECTION OF PEEL & STICK UNEURED EPDM FLASHING CENTERED OVER THE FIELD SPlice PROJECTS USING 90-MIL MEMBRANE. ALL VERTICAL SPACES MUST BE OVERLAPPED WITH A T-JOINT COVER AND COVERED WITH A 12" X 12" (305mm X 305mm) PEEL & STICK UNEURED EPDM FLASHING PIECE OR T-JOINT COVER. BOTH LAYERS SHALL BE CENTERED AND SEALED WITH CONTINUOUS LAPP SEALANT. REFER TO DETAIL WBRC-1.3.

3. EPDM PRIMER MUST BE APPLIED TO BACK SIDE OF DECK MEMBRANE PRIOR TO COMPLETING SPlice TO PEEL & STICK RPS.

4. WHEN MECHANICAL FASTENERS ARE USED TO PENETRATE THE METAL COUNTER-FLASHING, USE EPDM WASHERS, APPLY WATER CUT-OFF MASTIC UNDER THE COUNTER-FLASHING OR CAULK THE FASTENER HEADS.

5. WHEN THE USE OF PEEL & STICK RPS AND CONTINUOUS MEMBRANE IS NOT FEASIBLE, ACCEPTABLE FLASHING SHALL CONFORM TO THERMOSET UNIVERSAL DETAIL WBRC-15.5.
CAUTION: For projects using 90-mil Membrane, refer to DETAIL WBRC-15.8 for required corner enhancements.

**NOTES:**

1. On mechanically fastened roofing systems, HPMX fasteners and polymer seam plates are required over steel decks.
2. Seam fastening plates/fasteners may be installed into the vertical substrate.
3. If the vertical splice on the curb flashing is not located at the corner, 6" (152mm) wide peel & stick uncured EPDM or T-Joint flashing, in conjunction with EPDM primer, must be centered over field splice at angle change.
4. Prior to the installation of peel & stick curb wrap, apply EPDM primer to splice area.
5. When mechanical fasteners are used to penetrate the metal counter-flashing, use EPDM washers. Apply water cut-off mastic under the counter-flashing or caulk the fastener heads.

**WEATHERBOND ROOFING SYSTEMS**

<table>
<thead>
<tr>
<th>PEEL &amp; STICK CURB WRAP</th>
<th>EPDM Membrane</th>
<th>APPROVED SUBSTRATE</th>
<th>SEE NOTE</th>
</tr>
</thead>
</table>

**WEATHERBOND ROOFING SYSTEMS**

<table>
<thead>
<tr>
<th>NEW SELF-FLASHING METAL CURB</th>
<th>EPDM Membrane</th>
<th>APPROVED SUBSTRATE</th>
<th>SEE NOTE</th>
</tr>
</thead>
</table>

**WEATHERBOND ROOFING SYSTEMS**

<table>
<thead>
<tr>
<th>EPDM ROOFING SYSTEM</th>
<th>WBRC-5.2</th>
</tr>
</thead>
</table>

**WEATHERBOND ROOFING SYSTEMS**

<table>
<thead>
<tr>
<th>EPDM ROOFING SYSTEM</th>
<th>WBRC-5.3</th>
</tr>
</thead>
</table>

**NOTES:**

1. Wood nailer must extend past total width of metal curb deck flange.
2. Consult the respective manufacturer of the self-flashing metal curb for proper securement.
3. Water cut-off mastic must be held under constant compression.
4. 7"x9" (178mm X 229mm) peel & stick corners cannot be installed on this detail due to incomplete coverage of the metal flange at corners. Refer to DETAIL WBRC-15.6.
FOR PROJECTS USING 90-MIL MEMBRANE, REFER TO DETAIL WBRC-15.6 FOR REQUIRED CORNER ENHANCEMENTS.

NOTES:
1. WOOD NAILER MUST EXTEND PAST TOTAL WIDTH OF CURB FLANGE.
2. LENGTH OF ROD STOCK IS LIMITED TO 4’ (1219mm). USE INDIVIDUAL SECTIONS OF ROD STOCK FOR LONGER DIMENSIONS.
3. 7”x9” (178mm x 229mm) PEEL & STICK CORNERS CANNOT BE USED FOR THIS DETAIL, WHEN THE FLANGE IS LOCATED ON TOP OF THE MEMBRANE DUE TO INCOMPLETE COVERAGE OF THE METAL FLANGE AT CORNERS, REFER TO DETAIL WBRC-15.6.
4. DETAIL IS NOT ACCEPTABLE FOR VIBRATING ROOF TOP UNITS.

Notes:
1. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH THE LOCAL CODES.
2. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
3. THE HOLE IN THE MEMBRANE SHALL EXCEED THE DIAMETER OF THE DRAIN PIPE. BUT SHALL NOT BE LESS THAN 1/2” (13mm) FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.
4. REMOVE EXISTING LEAD FLASHING MATERIAL & ENSURE THE DRAIN RING IS COMPLETELY CLEAN DOWN TO BARE METAL.
5. FIELD SPLICES MUST BE LOCATED AT LEAST 8” (152mm) OUTSIDE THE DRAIN SUMP.
6. INSULATION TAPER SHALL NOT BE GREATER THAN 8” (152mm) IN 12” (305mm) HORIZONTAL.
NOTES:

1. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH THE LOCAL CODES.

2. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.

3. THE HOLE IN THE MEMBRANE SHALL EXCEED THE DIAMETER OF THE DRAIN PIPE, BUT SHALL BE NO LESS THAN 1/2" (13mm) FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.

4. FIELD SPlices must be located at least 6" (152mm) outside the drain sump.

5. INSULATION TAPER SHALL NOT BE GREATER THAN 6" (152mm) IN 12" (305mm) HORIZONTAL.
NOTES:
1. WATER CUT-OFF MASTIC MUST BE UNDER CONSTANT COMPRESSION.
2. APPLY EPDM PRIMER TO METAL FLANGE AND MEMBRANE SURFACE PRIOR TO INSTALLING PEEL & STICK FLASHING.
3. PEEL & STICK CURED COVER STRIP FLASHING MUST OVERLAP DECK MEMBRANE MINIMUM 3" (76mm).
4. WOOD NAILER MUST EXTEND PAST TOTAL WIDTH OF DECK FLANGE.
5. DRAIN INSERT FLANGE MUST BE TOTALLY COVERED BY PEEL & STICK CURED COVER STRIP WITH MINIMUM 2" (51mm) COVERAGE PAST NAIL HEADS.
6. CONSULT SPECIFIER OR APPLICABLE CODES FOR ADEQUATE DRAINAGE STRAINER TO AVOID PONDING WATER. DO NOT RESTRICT WATER FLOW.

CAUTION
FOR PROJECTS USING 90-MIL MEMBRANE, REFER TO DETAIL WBRC-8.1B, FOR REQUIRED FLASHING ENHANCEMENTS.

NOTES:
1. REMOVE ALL LEAD AND OTHER FLASHING BEFORE INSTALLING PEEL & STICK PIPE SEAL.
2. TEMPERATURE OF PIPE PENETRATION MUST NOT EXCEED 190°F (88°C).
3. PRE-MOLDED PIPE FLASHING MUST HAVE INTACT RIB AT THE TOP EDGE REGARDLESS OF PIPE DIAMETER.
4. EPDM PRIMER MUST BE APPLIED TO MEMBRANE SURFACE PRIOR TO APPLYING PEEL & STICK PIPE SEAL.
5. DECK FLANGES OF THE PEEL & STICK PIPE SEAL SHALL NOT BE OVERLAPPED, CUT OR APPLIED OVER ANY ANGLE CHANGE.
6. WHEN A FIELD SPlice INTERSECTS A PIPE SEAL, APPLY LAP SEALANT ALONG THE EDGE OF THE MEMBRANE SPlice COVERING THE EXPOSED SPlice TAPE 1/2" (13mm) IN EACH DIRECTION FROM THE SPlice INTERSECTION & OVERLAY WITH A 6"M" (152mm x 152mm) T-JOINT COVER.
7. ON MECHANICALLY-FASTENED ROOFING SYSTEMS, ADDITIONAL MEMBRANE SECUREMENT IS REQUIRED. REFER TO DETAIL WBRA-8.1L.
NOTES:
1. REMOVE ALL LEAD AND OTHER FLAShING BEFORE INSTALLING PEEL & STICK PIPE SEAL.
2. PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE, REGARDLESS OF PIPE DIAMETER.
3. DECK FLANGES OF THE MOLDED PIPE SEAL SHALL NOT BE OVERLAPPED, CUT OR APPLIED OVER ANY ANGLE CHANGE.
4. (60-MIL) (1.52mm) EPDM OR 20" (508mm) PEEL & STICK CURED EPDM FLASHING.
5. AT THE CUT IN THE FIELD MEMBRANE, FLASHING OVERLAY MUST EXTEND 3" (76mm) BEYOND THE MOLDED PIPE FLASHING FLANGE ON 3 SIDES AND WITHIN 1" (25mm) OF THE EDGE OF THE FIELD MEMBRANE, AS SHOWN.
6. CENTER 9" (229mm) WIDE PEEL & STICK UNCURD EPDM FLASHING OVER THE MEMBRANE SPlice EDGE AND EXTEND 3" (76mm) BEYOND THE MEMBRANE OVERLAY, AS SHOWN.
7. SEAL ALL EDGES WITH CONTINUOUS LAP SEALANT.
NOTES:
1. REMOVE ALL LEAD AND OTHER FLASHING BEFORE INSTALLING FIELD-FABRICATED PIPE SEAL.
2. TEMPERATURE OF PENETRATION MUST NOT EXCEED 180°F (82°C).
3. WOOD NAILERS MUST EXTEND PAST TOTAL WIDTH OF METAL FLANGE.
4. EPDM PRIMER MUST BE APPLIED TO THE MATING SURFACES PRIOR TO APPLYING PEEL & STICK UNCUR ED EPDM FLASHING.
5. IN COLDER TEMPERATURES, A HEAT GUN MUST BE USED WHEN FORMING PEEL & STICK UNCUR ED EPDM FLASHING.
9.1 Mechanical Termination with Counter Flashing

**NOTES:**
1. Apply on hard smooth surface only, not for use on exposed wood.
2. Do not wrap termination bar around corners.

9.2 Sheet Metal Coping (By Others)

**NOTES:**
1. For WeatherBond Pro Coping, refer to Installation Instructions published separately.
2. Membrane must be extended to corners to provide complete coverage of the top wall surface.

9.3 Counter Flashing Termination

**NOTES:**
1. When mechanical fasteners are used to penetrate the metal counter-flashing, use EPDM washers.
2. Apply water cut-off mastic under the counter-flashing or caulk the fastener heads.

9.4 Mechanical Termination

**NOTES:**
1. Apply on hard smooth surface only. Not for use on exposed wood.
2. Do not wrap termination bar around corners.
3. Detail 2.6 must be used at vertical joints in panel walls.
NOTES:

1. FOR CORNERS AND RPS APPLICATION REFER TO DETAILS WBRC-15.1 OR WBRC-15.2.

2. REFER TO SPECIAL CONDITION SPEC. SUPPLEMENTS G-01-17 OR G-08-17.
   2.1. TO BLOCK INDOOR AIR INFILTRATION AND HUMIDITY AT THE JUNCTION (G-01-17).
   2.2. WHERE ROOF SYSTEM IS DESIGNED WITH A VAPOR RETARDER (G-08-17).

3. 6” (152mm) WIDE PEEL & STICK UNCURED EPDM FLASHING, IN CONJUNCTION WITH EPDM PRIMER, MAY ALSO BE CENTERED OVER FIELD SPlice AT ANGLE CHANGE.

4. EPDM PRIMER MUST BE APPLIED TO BACK SIDE OF DECK MEMBRANE PRIOR TO COMPLETING SPlice TO PEEL & STICK RPS.

5. PROJECTS USING 90-MIL MEMBRANE, ALL VERTICAL SPlices AT THE BASE OF A WALL AND SPlice INTERSECTIONS MUST BE OVERLAPED WITH TWO LAYERS OF PEEL & STICK UNCURED EPDM FLASHING. THE BOTTOM LAYER SHALL BE 6” (152mm) WIDE COVERED WITH A 12” (305mm) WIDE PEEL & STICK UNCURED EPDM FLASHING PIECE. BOTH LAYERS SHALL BE CENTERED AND SEALED WITH CONTINUOUS LAP SEALANT. REFER TO DETAIL WBRC-2.3.

6. EPDM PRIMER MUST BE APPLIED TO BACK SIDE OF DECK MEMBRANE PRIOR TO COMPLETING SPICE TO PEEL & STICK RPS.
NOTES:

1. PRIOR TO THE INSTALLATION OF PA’S SEAM TAPE AND PEEL & STICK FLASHING APPLY EPDM PRIMER TO SPLICE AREAS.

2. REFER TO SPECIAL CONDITION SPEC. SUPPLEMENTS 0-21-17 OR 0-28-17.

2.1 TO BLOCK INDOOR AIR INTRUSION AND HUMIDITY AT THE JUNCTION (G-31-17).

2.2 WHERE ROOF SYSTEM IS DESIGNED WITH A VAPOR RETARDER (G-08-17).

3. SEAM FASTENING PLATE/FASTENER MAY BE INSTALLED INTO THE STRUCTURAL DECK. HPWX FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED FOR MECHANICALLY FASTENED ROOFING SYSTEMS OVER STEEL DECKS.

4. PROJECTS USING 30-MIL MEMBRANE. ALL VERTICAL SPLICES AT THE RAKE OF A WALL AND SPLICE INTERSECTIONS MUST BE OVERLAPPED WITH TWO LAYERS OF PEEL & STICK UNCURED EPDM FLASHING. THE BOTTOM LAYER SHALL BE 6” (150mm) WIDE COVERED WITH A 12” (305mm) WIDE PEEL & STICK UNCURED EPDM FLASHING PIECE. BOTH LAYERS SHALL BE CENTERED AND SEALED WITH CONTINUOUS LAP SEALANT. REFER TO DETAIL WBRC-2.3.

5. LAP SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED MEMBRANE.

---

**EPDM ROOFING SYSTEM**

*WEATHERBOND®* 

**WBRC-12.3**

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**BUILT-UP ROOFING TIE-IN OVER STEEL ROOF DECK**

- **EPDM MEMBRANE**
- **APPROVED SUBSTRATE**
- **SEE NOTE**

**WEATHERBOND®**

**WBRC13.1**

---

**EXISTING BUILT-UP ROOF**

**NEW WEATHERBOND EPDM ROOF**

**WEATHERBOND®**

**BONDING & FASTENING INSTRUCTIONS**

1. **REPLACE GRAVEL**
2. **APPLY BASEMENT SEALANT**
3. **APPLY EPDM FLASHING**
4. **APPLY FIRST LAYER OF FELTS**
5. **APPLY HOT ASPHALT**
6. **APPLY SECOND LAYER OF FELTS**
7. **APPLY HOT ASPHALT**
8. **APPLY WEATHERBOND FASTENER & SEAM FASTENING PLATE**
9. **APPLY WEATHERBOND FASTENER & SEAM FASTENING PLATE**

**NOTES:**

1. SPLICE TWO PIECES OF UNCURED EPDM OR PEEL & STICK UNCURED EPDM TOGETHER TO ACHIEVE DESIRED WIDTH.

2. DRILL A 3/8” (10mm) DIAMETER HOLE ON THE BOTTOM FLUTES OF THE STEEL DECK ALONG THE PERIMETER TO THE TIE-IN 6” (150mm) FROM THE SEAM FASTENING PLATE.

3. ON MECHANICALLY FASTENED SYSTEMS, HPWX FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED OVER STEEL DECKS.

4. IF WATER PONDS OR FLOWS OVER TIE-IN FROM GUTTER SURFACE, USE DETAIL WBRC-13.2.

5. ON BALLASTED SYSTEMS, USE CONCRETE PAVING TO PREVENT BALLAST MIGRATION.

---

**WEATHERBOND®**

**BONDING & FASTENING INSTRUCTIONS**

1. **REPLACE GRAVEL**
2. **APPLY BASEMENT SEALANT**
3. **APPLY EPDM FLASHING**
4. **APPLY FIRST LAYER OF FELTS**
5. **APPLY HOT ASPHALT**
6. **APPLY SECOND LAYER OF FELTS**
7. **APPLY HOT ASPHALT**
8. **APPLY WEATHERBOND FASTENER & SEAM FASTENING PLATE**
9. **APPLY WEATHERBOND FASTENER & SEAM FASTENING PLATE**

**NOTES:**

1. SPLICE TWO PIECES OF UNCURED EPDM OR PEEL & STICK UNCURED EPDM TOGETHER TO ACHIEVE DESIRED WIDTH.

2. DRILL A 3/8” (10mm) DIAMETER HOLE ON THE BOTTOM FLUTES OF THE STEEL DECK ALONG THE PERIMETER TO THE TIE-IN 6” (150mm) FROM THE SEAM FASTENING PLATE.

3. ON MECHANICALLY FASTENED SYSTEMS, HPWX FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED OVER STEEL DECKS.

4. IF WATER PONDS OR FLOWS OVER TIE-IN FROM GUTTER SURFACE, USE DETAIL WBRC-13.2.

5. ON BALLASTED SYSTEMS, USE CONCRETE PAVING TO PREVENT BALLAST MIGRATION.
NOTES:
1. SPLICE TWO PIECES OF UNOURED EPDM OR PEEL & STICK UNOURED EPDM TOGETHER TO
   ACHIEVE DESIRED WIDTH.
2. ON MECHANICALLY FASTENED SYSTEMS, CD–10 OR MP 14–10 FASTENERS AND SEAM
   FASTENING PLATES ARE REQUIRED OVER CONCRETE DECKS.
3. WATER CUT-OFF MUST BE UNDER CONSTANT COMPRESSION.
4. WEATHERBOND IS NOT RESPONSIBLE FOR DAMAGE TO THE BUILT-UP ROOF OR STRUCTURAL
   DECK RESULTING FROM PONDING WATER. THIS DETAIL APPLIES TO RE-ROOFING WHEN A
   TEAR-OFF IS NOT SPECIFIED AND WAS DESIGNED TO PREVENT MIGRATION OF WATER INTO
   THE NEW ROOFING SYSTEM.
5. ON BALLASTED SYSTEMS, USE CONCRETE PAVERS TO PREVENT BALLAST MIGRATION.

Dimensions mm

- 5" 127 MIN.
- 2" 51 ± 1/2" (13mm)
- 6" 152

Note:

- The EPDM membrane must be overlaid with a peel & stick joint cover for warranty projects using 90-ml EPDM membrane.
NOTES:
1. PRIOR TO SPlicing, CLEAN EXISTING EPDM MEMBRANE BY SCRUBBING THE SPlice AREA WITH WEATHERED MEMBRANE CLEANER; ALLOW TO DRY.
2. CONTACT MANUFACTURER OF EXISTING EPDM MEMBRANE ROOFING SYSTEM TO VERIFY ACCEPTANCE OF TIE-IN AND TO NOT VOID EXISTING WARRANTY.
3. ON EXISTING BALLASTED ROOFING SYSTEMS, CONSULT RESPECTIVE MANUFACTURER FOR ACCEPTABLE GRAVEL CONTAINMENT TO PREVENT GRAVEL MIGRATION.
4. WATER CUT-OFF MASTIC MUST BE HELD UNDER CONSTANT COMPRESSION.
5. WHEN RE-ROOFING OVER PRE-CAST CONCRETE, APPLY LIBERAL BEAD OF WATER CUT-OFF MASTIC IN THE JOINTS TO PREVENT MOISTURE MIGRATION.
6. ON MECHANICALLY FASTENED SYSTEMS, CD-10 OR MP 14-10 FASTENERS AND SEAM FASTENING PLATES ARE REQUIRED OVER CONCRETE DECKS.
7. ALL SPlice INTERSECTIONS MUST BE OVERLAID WITH PEEl & STICK T-JoINT COVERS. REFER TO DETAIL WBRC-2.1A OR DETAIL WBRC-2.1B FOR WARRANTY PROJECTS USING 50-ML EPDM MEMBRANE.
NOTE:
ALL SPlice INTERSECTIONS MUST be OVERLaid WITH PEEL & STICK T-JOINT COVERS. REFER TO DETAIL WBRC-2.1A OR DETAIL WBRC-2.1A FOR PROJECTS USING 90-MIL EPDM MEMBRANE.

DIMENSIONS

<table>
<thead>
<tr>
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<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 2”</td>
<td>51</td>
</tr>
<tr>
<td>B 1/8”</td>
<td>3</td>
</tr>
<tr>
<td>C 1/2”</td>
<td>13</td>
</tr>
</tbody>
</table>

NOTES:
1. ON MECHANICALLY FASTENED SYSTEMS, HPWX FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED OVER STEEL DECKS.
2. ALL SPlice INTERSECTIONS MUST be OVERLaid WITH PEEL & STICK T-JOINT COVERS. REFER TO DETAIL WBRC-2.1A OR DETAIL WBRC-2.1A.
### EPDM

**Dimensions (mm)**

| A | 6” | 152 TO |
| B | 9” | 229 |
| C | 1/8” | 3 MIN. |
| D | 1” | 25 MAX. |
| E | 12” | 305 MAX. |
| F | 6” | 152 MIN. |

**Note:**

1. Peel & Stick Uncured EPDM flashing inside / outside corners must be used.
2. As an option, 6” (152mm) wide peel & stick RPS may be fastened into the vertical substrate, see detail WBRC-12.1.

**Cut 45° and Apply EPDM Primer/Fiberglass Seam Tape**

**Form PIG Ear with Continuous Membrane at Corner as Shown**

**Cut & Remove Excessive Membrane**

**Any WBRC-5 Termination**

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**Weatherbond Bonding Adhesive**

**Dimensions (mm)**

| A | 6” | 152 TO |
| B | 9” | 229 |
| C | 1/8” | 3 MIN. |
| D | 1” | 25 MAX. |
| E | 12” | 305 O.C. |

**Note:**

1. As an option, 6” (152mm) wide peel & stick RPS may be fastened into the vertical substrate, see detail WBRC-12.1.

**Weatherbond Seaming Plate & Fastener**

**EPDM Primer**

**Lap Sealant**

**EPDM Membrane**

**Approved Substrate**

**See Note**

**Inside Corner with RPS (Option 1)**

**Inside Corner with RPS (Option 2)**

**EPDM Roofing System**

**WBRC-15.1**

**WBRC-15.2**
1. For projects using 90-mil membrane, refer to detail WBRC-15.4b for required flashing enhancements.

2. Form a pig ear, apply primer P&S seam tape to the pig ear and adhere to the wall.

NOTES:
1. For projects using 90-mil membrane, all inside corners must be completed with two layers of peel & stick flashing. The bottom layer shall be a peel & stick pre-cut 12" x 12" (305mm x 305mm) peel & stick uncured EPDM flashing piece covered with a 12" x 12" (305mm x 305mm) top layer of peel & stick uncured EPDM flashing. Both layers shall be centered and sealed with continuous lap sealant.
2. EPDM primer must be applied to all splice areas and for each layer of peel & stick flashing.

NOTES:
1. Apply EPDM primer to the membrane surfaces prior to installing peel & stick flashing.
2. In colder temperatures, a heat gun must be used when forming peel & stick uncured EPDM flashing.
1. **Apply Lap Sealant along the Leading Edge of the Membrane Splice (as shown)**

2. **6"x6" (152x152mm) Peel & Stick Uncured EPDM Flashing in Conjunction with EPDM Primer**

3. **Centrally Align 6"x6" (122x122mm) Peel & Stick Uncured EPDM Flashing over Splice Intersection**

4. **12"x12" (305x305mm) Peel & Stick Uncured EPDM Flashing in Conjunction with EPDM Primer**

5. **Continuous Lap Sealant around Flashing**

**Note:**
- EPDM Primer must be applied to all splice areas and for each layer of peel & stick flashing.

---

1. **Clean the Dry Splice Area of the EPDM Membrane by Scrubbing with EPDM Primer.**

2. **Clear Poly Release Paper**

3. **Fold**

4. **Prior to Placement of WeatherBond Corner, Peel off the Blue Poly Release Film and Heat the Flashing Side with a Heat Gun. Re-Apply the Poly Loosely. Fold the Flashing in Half.**

5. **Place WeatherBond Inside/Outside Corner as Shown and Remove Release Paper. Place Folded Flashing tightly into Angle Change and Firmly Press Flashing against the Vertical Surface.**

**Note:**
- Place Folded Flashing tightly into Angle Change and Firmly Press Flashing onto the Deck Flange by pressing the Flashing against the Horizontal Surface.

**Roll with a Two InCH Wide Roller. Pay Particular Attention to the Step Offs and Angle Change.**

---

**Inside Corner Flashing for Projects with 90-Mil Membrane**

**EPDM Roofing System**

**EPDM Membrane**

**Approved Substrate** — See Note

**Outside Corner with Pre-Cut Peel & Stick Flashing**

**EPDM Roofing System**

**EPDM Membrane**

**Approved Substrate** — See Note

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**WEATHERBOND RoOFING SYSTEMS**

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Page 48
FOR PROJECTS USING 90-MIL MEMBRANE, REFER TO DETAIL WBRC-15.6 FOR REQUIRED FLASHING ENHANCEMENTS.

WEATHERBOND FASTENER & SEAM FASTENING PLATE, MAX 12" (305mm) O.C.

9"x9" (229mm x 229mm) MIN. PEEL & STICK UNCUR ED EPDM FLASHING

NOTES:
1. APPLY EPDM PRIMER TO THE MEMBRANE SURFACES PRIOR TO INSTALLING PEEL & STICK FLASHING.
2. PEEL & STICK UNCUR ED EPDM FLASHING TO OVERLAP DECK MEMBRANE 3" (76mm) MINIMUM AND EXTEND 2" (51mm) MINIMUM AROUND CORNERS.
3. IN COLDER TEMPERATURES, A HEAT GUN MUST BE USED WHEN FORMING PEEL & STICK UNCUR ED EPDM FLASHING.

OUTSIDE CORNER WITH PEEL & STICK UNCUR ED EPDM FLASHING (OPTION 1)

OUTSIDE CORNER WITH PEEL & STICK UNCUR ED EPDM FLASHING (OPTION 2)

DETAILED INstrukTIONS:
1. FASTEN MEMBRANE AND FLASH CURB OR WALL WITH CUR ED EPDM MEMBRANE FOLLOWING STANDARD PROCEDURES USING BONDING ADHESIVE AND P&S SEAL TAPE.
2. CENTER FOLD LINE. CUT A 9"x9" (229mm x 229mm) SECTION OF PEEL & STICK UNCUR ED EPDM FLASHING AND MAKE ROUNDED CORNERS AS SHOWN.
3. FIRMLY PRESS. AFTER APPLYING EPDM PRIMER, REMOVE AND REPLACE POLY BACKING. FOLD 9"x9" (229mm x 229mm) FLASHING IN HALF WITH ROUNDED PORTION TURNED UP. CENTER FLASHING ON CORNER AND FIRMLY PRESS AGAINST VERTICAL SURFACE.
4. ROLL AND CREESE FLASHING TIGHTLY INTO ANGLE CHANGE AND FIRMLY ROLL FLASHING ONTO THE DECK MEMBRANE.
5. AFTER ADHERING, ROLL WITH A TWO INCH WDE STEEL HAND ROLLER. PAY PARTICULAR ATTENTION TO THE STEP OFFS AND ANGLE CHANGES.

IN COLDER TEMPERATURES, A HEAT GUN MUST BE USED WHEN FORMING PEEL & STICK UNCUR ED EPDM FLASHING.

FOR PROJECTS USING 90-MIL MEMBRANE, REFER TO DETAIL WBRC-15.6 FOR REQUIRED FLASHING ENHANCEMENTS.

OUTSIDE CORNER WITH PEEL & STICK UNCUR ED EPDM FLASHING (OPTION 2)
1. FASTEN MEMBRANE AND FLASH CURB OR WALL WITH CURED EPDM MEMBRANE FOLLOWING STANDARD PROCEDURES USING BONING ADHESIVE AND PASSE SEAL TAPE AT MEMBRANE SPlice.

2. CENTER FOE LINE

3. CLEAN THE DRY SPlice AREA OF THE EPDM WITH EPDM PRIMER. APPLY LAP SEALANT 1/2” (13mm) MIN. FROM THE CURB AS SHOWN IN STEP 4.

4. AFTER APPLYING LAP SEALANT, REMOVE & REPLACE POLY BACKING ON FLASHING. FOLD 6" x 6" FLASHING IN HALF WITH ROUNDED PORTION TURNED UP, CENTER ON CORNER & FIRMLY PRESS AGAINST VERTICAL SURFACE.

5. ROLL & CREESE FLASHING TIGHTLY INTO ANGLE CHANGE & FIRMLY ROLL FLASHING ONTO THE DECK MEMBRANE. USE HEAT GUN TO WARM THE FLASHING IN COLD WEATHER.

6. AFTER ADHERING, ROLL WITH A TWO INCH WIDE STEEL HAND ROLLER. PAY PARTICULAR ATTENTION TO THE STEP OFFS AND ANGLE CHANGES.

7. ROLL STEP OFFS AND ANGLE CHANGES.

8. CLEAN THE SPICE AREA WITH EPDM PRIMER. INSTALL THE 12" x 12" SECTION OF PEEL & STICK UNCURED EPDM FLASHING TO EXTEND A MINIMUM 2" BEYOND THE PREVIOUSLY APPLIED 6" x 6" FLASHING (STEPS 4-6).

9. SEAL ALL EDGES WITH LAP SEALANT AS SHOWN.

NOTES:
1. THE MAXIMUM ALLOWABLE SURFACE TEMPERATURE OF THE PENETRATION SHALL NOT EXCEED 180° F (82° C).
2. ALL DEBRIS (PAINT, RUST, LEAD, OTHER FLASHINGS, ETC.) MUST BE REMOVED FROM THE Penetration.
3. Penetrations, membrane, flasHing and metal (inside pocket) must be primed with EPDM primer prior to applying pourable sealants. Do not prime the blue plastic support strip.
4. Pourable sealer must completely fill pourable sealant pocket to prevent ponding of water.
5. Pourable sealer must contact primed peel & stick uncured EPDM flashing and deck membrane.
6. Securement is required for pourable sealer pockets which are greater than 18" (457mm) in diameter. Refer to specifications.
7. On mechanically-fastened roofing systems, additional membrane securement is required (similar to DETAIL-ORAMA-B.1) regardless of size or diameter.
8. Pipe clusters must have minimum 1" (25mm) clearance between penetrations.

WEATHERBOND ROOFING SYSTEMS

OUTSIDE CORNER FLASHING FOR PROJECTS WITH 90-MIL MEMBRANE  

EPDM MEMBRANE  

APPROVED SUBSTRATE  

EPDM ROOFING SYSTEM  

WBC--15.8

WEATHERBOND ROOFING SYSTEMS

PEEL & STICK POURABLE SEALER POCKET

EPDM MEMBRANE  

APPROVED SUBSTRATE  

EPDM ROOFING SYSTEM  

WBC--16.1
NOTES:

1. THE MAXIMUM ALLOWABLE SURFACE TEMPERATURE OF THE PENETRATION SHALL NOT EXCEED 160°F (71°C).
2. ALL DEBRIS (PAINT, RUST, LEAD, OTHER FLASHINGS, ETC.) MUST BE REMOVED FROM THE PENETRATION.
3. PENETRATIONS, MEMBRANE, FLASHING AND METAL (INSIDE POCKET) MUST BE PRIMED WITH EPDM PRIMER PRIOR TO APPLYING POURABLE SEALER.
4. POURABLE SEALER MUST COMPLETELY FILL POURABLE SEALER POCKET TO PREVENT PONDOING OF WATER.
5. POURABLE SEALER MUST CONTACT PRIMED PEEL & STICK UNCURED EPDM FLASHING AND DECK MEMBRANE.
6. SECUREMENT IS REQUIRED FOR POURABLE SEALER POCKETS WHICH ARE GREATER THAN 18" (457mm) IN DIAMETER. REFER TO SPECIFICATIONS.
7. ON MECHANICALLY-FASTENED ROOFING SYSTEMS, ADDITIONAL MEMBRANE SECUREMENT IS REQUIRED (SIMILAR TO DETAIL WB-3.1) REGARDLESS OF SIZE AND DIAMETER, UNLESS WOOD NAILERS ARE PRESENT.
8. DECK FLANGE MUST BE CONTINUOUS WITH ROUNDED CORNERS.
9. WHEN ANY ONE SIDE OF THE FIELD FABRICATED POURABLE SEALER POCKET EXCEEDS 18" (305mm), USE WOOD BLOCKING TO ANCHOR SHEET METAL.
10. PENETRATIONS CLUSTER MUST HAVE MINIMUM 1" (25mm) CLEARANCE BETWEEN PENETRATIONS.
NOTES:

1. WOOD NAILED ARE INSTALLED ONLY AT SCUPPERS TO SECURE METAL SLEEVE AND MUST EXTEND PAST THE WIDTH OF METAL SLEEVE FLANGE.

2. INSTALL WALL FLASHING PRIOR TO SCUPPER INSTALLATION.

3. METAL SCUPPER BOX MUST HAVE CONTINUOUS FLANGES WITH ROUNDED CORNERS. SOLDER ALL SCUPPER SEAMS WATER-TIGHT.

4. WATER CUT-OFF MASTIC UNDER SCUPPER FLANGE MUST BE UNDER CONSTANT COMPRESSION.

5. SCUPPER FLANGES MUST BE TOTALLY COVERED BY PEELED & STICK UNCURED EPDM FLASHING WITH MINIMUM 2" (51mm) COVERAGE PAST NAIL HEADS.

6. TO REMOVE FINISHING OILS, SCRUB METAL FLANGE WITH WEATHERED MEMBRANE CLEANER: ALLOW TO DRY PRIOR TO APPLYING EPDM PRIMER.

7. APPLY EPDM PRIMER TO METAL FLANGE AND MEMBRANE SURFACE PRIOR TO INSTALLING PEELED & STICK FLASHING.
NOTES:

1. CLEAN EXPOSED MEMBRANE WITH WEATHERED MEMBRANE CLEANER AND ALLOW TO DRY.

2. PRIOR TO THE APPLICATION OF POURABLE SEALER, APPLY EPDM PRIMER TO THE MEMBRANE AND LIGHTNING ROD BASE. ACHIEVING A VERY THIN, EVEN COAT ON BOTH SURFACES. ALLOW PRIMER TO DRY UNTIL IT IS TACK FREE.

3. INSTALL A SECTION OF SPlice TAPE (APPROXIMATELY THE SIZE OF THE METAL BASE) TO THE MEMBRANE SURFACE. LEAVE THE RELEASE FILM IN PLACE AND ROLL THE TAPE FROM THE CENTER TO THE OUTER EDGES.

4. REMOVE RELEASE FILM AND CAREFULLY PLACE METAL BASE OVER SPICE TAPE.

5. APPLY EPDM PRIMER TO THE EPDM MEMBRANE WHERE LAP SEALANT IS TO BE APPLIED TO ACHIEVE A THIN, EVEN COAT. ALLOW TO DRY UNTIL TACK FREE. SEAL ALL EDGES AND ANY EXPOSED AREAS OF TAPE (AT PERFORATED BASE) WITH LAP SEALANT.
**NOTES:**
1. Detail for Weatherbond black EPDM or white EPDM adhered and Weatherbond mechanically-fastened roofing systems when slope at valley exceeds 2" (51mm) in one horizontal foot.
2. On mechanically-fastened roofing systems, HPWX fasteners and polymer seams are required over steel decks.
3. EPDM primer must be applied to back side of deck membrane prior to completing splice to peel & stick RPS.

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**NOTES:**
1. Sleeper must be large enough to support weight of equipment without indenting insulation. Extend wood nailer out as required by structural engineer to distribute subject load or at least extend out min. 3" (76mm).
2. Ensure screw/anchor heads in top surface of wood blocking are recessed to protect membrane.
3. Wood nailers not required under pipe supports.
4. Consult structural engineer and/or specifier to avoid water ponding due to deck deflection.
NOTES:
1. FOR PARAPET FLASHING, REFER TO DETAIL WBPMA-12.
2. FOR CURB FLASHING, REFER TO DETAIL WBPMA-5.
3. FOR CORNER APPLICATION, REFER TO DETAIL WBPMA-13.

GUIDELINES FOR ROOF PERIMETER ZONES FOR MECHANICALLY ATTACHED ROOF SYSTEM

SPLIT LEVEL ROOFS
- GREATER THAN 3 FEET (914mm)
- LESS THAN 3 FEET (914mm)

CANOPY ROOF
INSTALL PERIMETER SHEETS OVER THE ENTIRE OVERHANG (PROJECTION ROOF) AREA, EXTENDING ONTO THE MAIN ROOF DECK WHEN AT THE SAME LEVEL AS SHOWN.

FOR RELATED NOTES, REFER TO DETAILS WBPMA-2.1 & 2.2

DETAIL A
1. WHEN USING 10' (3048mm) OR 12' (3658mm) WIDE TPO FIELD SHEETS, 6' (1829mm) WIDE PERIMETER SHEETS ARE UTILIZED. WHEN USING 8' (2438mm) WIDE TPO FIELD SHEETS, 4' (1219mm) WIDE PERIMETER SHEETS ARE USED. WHEN USING 10' (3048mm) WIDE PVC FIELD SHEETS, 5' (1524mm) WIDE PERIMETER SHEETS ARE UTILIZED. WHEN USING 11' (3353mm) WIDE PVC FIELD SHEETS, 40' (12192mm) WIDE PERIMETER SHEETS ARE USED.
2. REFER TO WEATHERBOND SPECIFICATIONS FOR REQUIRED NUMBER OF PERIMETER SHEETS, SHEET WIDTH AND MEMBRANE FASTENING DENSITY.
3. END LAPS DO NOT REQUIRE MECHANICAL FASTENING AND SHALL BE OVERLAPPED 2" (51mm) MINIMUM. REFER TO WEATHERBOND DETAIL WBRC-2.0.

WEATHERBOND THERMOPLASTIC ROOFING SYSTEM
WBPC-2.0A

EPDM ROOFING SYSTEM
WBRC-30.0

MEMBRANE SECUREMENT
- WEATHERBOND THERMOPLASTIC REINFORCED MEMBRANE
- SEE NOTE

P&S SEAM TAPE
NOTES:

1. PEEL & STICK RPS SHALL BE POSITIONED 5' (1524mm) TO 6' (1828mm) FROM THE PERIMETER EDGE WHEN USING 10' (3048mm) OR 12' (3658mm) WIDE TPO FIELD SHEETS. WHEN USING 8' (2438mm) WIDE TPO FIELD SHEETS, PEEL & STICK RPS SHALL BE POSITIONED 4' (1219mm) FROM THE PERIMETER EDGE.

2. REFER TO WEATHERBOND SPECIFICATIONS FOR REQUIRED NUMBER OF PERIMETER SHEETS, SHEET WIDTH AND MEMBRANE FASTENING DENSITY.

3. END LAPS DO NOT REQUIRE MECHANICAL FASTENING AND SHALL BE OVERLAPPED 2" (51mm) MINIMUM. REFER TO WEATHERBOND DETAIL WBPMA-2.0.

4. TPO PRIMER MUST BE APPLIED TO THE BACK SIDE OF MEMBRANE SURFACE PRIOR TO ADHERING MEMBRANE TO PEEL & STICK RPS.

NOTE:

1. ON MECHANICALLY ATTACHED SYSTEMS, HNWX FASTENERS AND PLATES ARE REQUIRED OVER STEEL AND WOOD DECKS. ON CONCRETE DECKS, APPROVED CONCRETE FASTENERS ARE USED WITH HNWX PLATES.

2. POSITION SEAM FASTENING PLATES BEYOND NON-REINFORCED ENCAPSULATED EDGE.

3. APPROXIMATELY 1/8" (3.2mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF WEATHERBOND REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF WEATHERBOND PVC MEMBRANE.

4. WHEN USING 60 OR 80-MIL MEMBRANE, APPLY A 4-1/2" (114mm) DIAMETER WEATHERBOND T-JOINT COVER AT ALL FIELD SPLICE INTERSECTIONS.
NOTE:

1. ON MECHANICALLY ATTACHED SYSTEMS, HPWX FASTENERS AND PLATES ARE REQUIRED OVER STEEL AND WOOD DECKS. ON CONCRETE DECKS, APPROVED CONCRETE FASTENERS ARE USED WITH HPWX PLATES.

2. POSITION SEAM FASTENING PLATES BEYOND NON-REINFORCED ENCAPSULATED EDGE.

3. APPROXIMATELY 1/8” (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF WEATHERBOND reinforced TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF WEATHERBOND PVC MEMBRANE.

4. REFER TO WEATHERBOND SPECIFICATIONS FOR REQUIRED NUMBER OF PERIMETER SHEETS, SHEET WIDTH AND MEMBRANE FASTENING DENSITY.

5. ON MECHANICALLY ATTACHED SYSTEMS, HPWX FASTENERS AND PLATES ARE REQUIRED OVER STEEL AND WOOD DECKS. ON CONCRETE DECKS, APPROVED CONCRETE FASTENERS ARE USED WITH HPWX PLATES.

6. AS AN OPTION TO USING PERIMETER SHEETS, 10” (254mm) WIDE TPO PEEL & STICK RPS MAY BE USED BENEATH TPO FIELD SHEETS ONLY FOR PERIMETER REQUIREMENT.
NOTES:
1. METAL FASCIA DECK FLANGE MUST BE TOTALLY COVERED BY TPO PEEL & STICK COVER STRIP WITH MINIMUM 2" (51mm) COVERAGE PAST NAIL HEADS.
2. WOOD NAILER MUST EXTEND PAST TOTAL WIDTH OF METAL FASCIA DECK FLANGE.
3. TO REMOVE FINISHING OILS, SCRUB METAL FLANGE WITH WEATHERED MEMBRANE CLEANER; ALLOW TO DRY PRIOR TO APPLYING PRIMER.
4. APPLY TPO PRIMER TO METAL FLANGE AND MEMBRANE SURFACE PRIOR TO INSTALLING TPO PEEL & STICK COVER STRIP.
5. WHEN METAL FASCIA BY OTHERS IS USED, FASTENER TYPE AND FASTENING FREQUENCY SHALL BE RECOMMENDED BY METAL EDGE MANUFACTURER.
6. TO ENSURE TPO PEEL & STICK COVER STRIP CONFORMS TO STEP-OFFS, HEAT COVER STRIP AT SPICE INTERSECTIONS PRIOR TO ROLLING.
NOTES:

1. Fastening of metal termination bar must provide constant compression on water cut-off mastic.

2. Allow membrane sheet to extend 1/2" (13mm) minimum below the metal termination bar.

NOTES:

1. When using 60 or 80-mil membrane, apply a 4-1/2" (114mm) diameter "T-Joint" cover at all field splice intersections.

2. Approximately 1/8" (3mm) diameter bead of cut-edge sealant is required on cut edges of Weatherbond reinforced TPO membrane and recommended on cut edges of Weatherbond PVC membrane.
NOTES:
1. When WeatherBond Expansion Joint Support is used, width of joint shall be a minimum of 3/4” (19mm) and shall not exceed 3” (75mm).
2. Approximately 1/8” (3mm) diameter bead of cut-edge sealant is required on cut edges of WeatherBond Reinforced TPO Membrane and recommended on cut edges of WeatherBond PVC membrane.
3. Membrane flashing shall not be adhered over the Expansion Joint Support or Sponge Tubing.
4. On Mechanically Attached Systems, HPWx Fasteners and Plates are required over steel and wood decks. On Concrete Decks, Approved Concrete Fasteners are used with HPWx Plates.

NOTES:
1. When WeatherBond Expansion Joint Support is used, width of joint shall be a minimum of 3/4” (19mm) and shall not exceed 2” (51mm).
2. Approximately 1/8” (3mm) diameter bead of cut-edge sealant is required on cut edges of WeatherBond Reinforced TPO Membrane and recommended on cut edges of WeatherBond PVC membrane.
3. Membrane flashing shall not be adhered over the Expansion Joint Support or Sponge Tubing.
4. On Mechanically Attached Systems, HPWx Fasteners and Plates are required over steel and wood decks. On Concrete Decks, Approved Concrete Fasteners are used with HPWx Plates.
NOTES:

1. When using TPO membrane, bonding adhesive is not required when the flashing height is 12” (305mm) or less and the membrane is fastened “as shown” on top of the curb. When Weatherbond termination bar is used beneath the counter-flashing, bonding adhesive can be eliminated when the membrane height is 16” (406mm) or less.

2. When mechanical fasteners are used to penetrate the metal counter-flashing, use FPM washers, apply water cut-off mastic under the counter-flashing or caulk the fastener heads.

3. Approximately 1/8” (3mm) diameter bead of cut-edge sealant is required on cut edges of Weatherbond reinforced TPO membrane and recommended on cut edges of Weatherbond PVC membrane.

4. Refer to Weatherbond specifications for acceptable Weatherbond fasteners and plates.

5. Mechanical securement may be installed into the vertical substrate.

6. When using 60 or 80 mL thick curb flashing, the intersections between splices must overlap with a Weatherbond “T-Joint” cover.

NOTES:

1. Wood nailer must extend past total width of coated metal deck flange.

2. When mechanical fasteners are used to penetrate the metal counter-flashing, use FPM washers, apply water cut-off mastic under counter-flashing or caulk the fastener heads.

3. Approximately 1/8” (3mm) diameter bead of cut-edge sealant is required on cut edges of Weatherbond reinforced TPO membrane and recommended on cut edges of Weatherbond PVC membrane.

4. Fasten coated metal using 1-1/2” (38mm) min. ring shank nails at 8” (152mm) staggered approx. 1/2” (13mm).
1. **FOUR (4) CURB WRAP CORNERS WILL COMPLETELY FLASH A MAXIMUM CURB SIZE OF 3' x 3' (914mm x 914mm).** FOR LARGER CURBS USE THE TPO CURB WRAP CORNERS IN CONJUNCTION WITH ADDITIONAL SECTIONS OF WEATHERBOND TPO MEMBRANE.

2. WHEN MECHANICAL FASTENERS ARE USED TO PENETRATE THE METAL COUNTER-FLASHING, USE EPDM WASHERS. APPLY WATER CUT-OFF MASTIC UNDER THE COUNTER-FLASHING OR CAULK THE FASTENER HEADS.

3. **APPROXIMATELY 1/8" (3mm) BEAD OF CUT-EDGE SEALANT IS REQUIRED ON THE CUT EDGES OF THE TPO FIELD WRAP CORNER.**

4. REFER TO WEATHERBOND SPECIFICATIONS FOR ACCEPTABLE WEATHERBOND FASTENERS AND PLATES.

5. CUSTOM SIZES ARE AVAILABLE FOR CURB FLASHING HEIGHTS GREATER THAN 12" (305mm).


**NOTES:**

1. **ROOF DRAIN SIZE AND NUMBER OF DRAINAGE HOLES SHALL BE IN ACCORDANCE WITH THE LOCAL CODES.**

2. **THE HOLE IN THE MEMBRANE SHALL EXCEED THE DIAMETER OF THE DRAIN PIPE BUT SHALL BE NO LESS THAN 1-1/2" (38mm) FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.**

3. **ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.**

4. **REMOVE EXISTING LEAD, FLASHING MATERIAL & ENSURE THE DRAIN RING IS COMPLETELY CLEAN DOWN TO SKEW METAL.**
NOTES:
1. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH THE LOCAL CODES.
2. THE HOLE IN THE MEMBRANE SHALL 
   EXCEED THE DIAMETER OF THE DRAIN 
   PIPE, BUT SHALL BE NO LESS THAN 
   1/2" (13mm) FROM THE ATTACHMENT 
   POINTS OF THE DRAIN CLAMPING RING.
3. ALL BOLTS OR CLAMPS MUST BE IN 
   PLACE TO PROVIDE CONSTANT 
   COMPRESSION ON WATER CUT-OFF 
   MASTIC.
4. REMOVE EXISTING LEAD, FLASHING 
   MATERIAL, AND ENSURE THE DRAIN 
   RING IS COMPLETELY CLEAN DOWN TO 
   BARE METAL.
5. APPROXIMATELY 1/8" (3mm) DIAMETER 
   BEAD OF CUT-EDGE SEALANT IS 
   REQUIRED ON CUT EDGES OF 
   WEATHERBOND REINFORCED TPO 
   MEMBRANE AND RECOMMENDED ON CUT 
   EDGES OF WEATHERBOND PVC 
   MEMBRANE.
NOTES:

1. REMOVE ALL EXISTING LEAD AND FLASHING MATERIAL BEFORE INSTALLING SPLIT PIPE FLASHING.

2. TEMPERATURE OF THE PIPE PENETRATION MUST NOT EXCEED 140°F (60°C) WHEN USING PVC AND 160°F (71°C) WHEN USING TPO.

3. INSTALL A MINIMUM OF 4 FASTENERS AND PLATES AROUND THE PIPE EQUALLY SPACED. IF FASTENERS AND PLATES CANNOT BE INSTALLED AS SHOWN, THEY MAY ALSO BE POSITIONED OUTSIDE THE PIPE MAXIMUM 12" (300mm) O.C. AND FLASHED WITH WEATHERBOND THERMOPLASTIC REINFORCED MEMBRANE/CUT-EDGE SEALANT. REFER TO DETAIL TPC-8.2.

4. FASTENERS AND PLATES ARE NOT REQUIRED ON ADHERED SYSTEMS UNLESS PIPE DIAMETER EXCEEDS 18" (457mm), SEE TABLE ON RIGHT FOR MECHANICALLY FASTEN SYSTEM.

5. APPROXIMATELY 1/8" (3MM) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF WEATHERBOND REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF WEATHERBOND PVC MEMBRANE.

6. REGARDLESS OF THE FIELD MEMBRANE THICKNESS, WEATHERBOND "T-JOINT" COVERS ARE REQUIRED OVER THE SPlice INTERSECTIONS OF THE SPLIT PIPE SEAL. IF PRE-FABRICATED SPLIT PIPE SEAL IS A "CFA" Labeled part, NO "T-JOINT" COVERS ARE REQUIRED.

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PRE-FABRICATED SPLIT PIPE SEAL.

WEATHERBOND THERMOPLASTIC REINFORCED MEMBRANE [APPROVED SUBSTRATE] [SEE NOTE]

THERMOPLASTIC ROOFING SYSTEM WBPC – 8.5

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HOT PIPE (BY OTHERS)
SEALANT (BY OTHERS)
STAINLESS STEEL CLAMPING RING (BY OTHERS)
RAIN HOOD (BY OTHERS)
METAL COLLAR (BY OTHERS)

WEATHERBOND SPLIT PIPE SEAL

HOT AIR-MELT, 1-1/2" (38mm) MIN. BEYOND FASTENING PLATE

WEATHERBOND FASTENER & SEAL FASTENING PLATE, MAX. 12" (300mm) O.C. SEE TABLE BELOW.

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NOTES:

1. REMOVE ALL EXISTING LEAD AND FLASHING MATERIAL BEFORE INSTALLING PIPE FLASHING.

2. TEMPERATURE OF THE METAL COLLAR MUST NOT EXCEED 140°F (60°C) WHEN USING PVC AND 160°F (71°C) WHEN USING TPO.

3. APPROXIMATELY 1/8" (3MM) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF WEATHERBOND REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF WEATHERBOND PVC MEMBRANE.

4. REGARDLESS OF THE FIELD MEMBRANE THICKNESS, WEATHERBOND "T-JOINT" COVERS ARE REQUIRED OVER THE SPlice INTERSECTIONS OF THE SPLIT PIPE SEAL. IF PRE-FABRICATED SPLIT PIPE SEAL IS A "CFA" Labeled part, NO "T-JOINT" COVERS ARE REQUIRED.

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WEATHERBOND THERMOPLASTIC REINFORCED MEMBRANE [APPROVED SUBSTRATE] [SEE NOTE]

THERMOPLASTIC ROOFING SYSTEM WBPC – 8.6
9.1 MECHANICAL TERMINATION WITH COUNTER FLASHING

UNIVERSAL SINGLE-Ply SEALANT OR SEALANT (BY OTHERS)
METAL COUNTER-FLASHING (BY OTHERS)
WEATHERBOND ZINC NAIL-IN ANCHOR
WEATHERBOND TERMINATION BAR

MIN. 1/4" (6mm)
MAX. 1/2" (12.7mm)

NOTES:
1. APPLY ON HARD SMOOTH SURFACE ONLY, NOT FOR USE ON EXPOSED WOOD.
2. DO NOT WRAP TERMINATION BAR AROUND CORNERS.

9.2 SHEET METAL COPING (BY OTHERS)

METAL CAP (BY OTHERS), SLOPE DOWNWARD TOWARDS ROOF
EXTEND MEMBRANE BELOW JOINT

9.3 COUNTER FLASHING TERMINATION

UNIVERSAL SINGLE-Ply SEALANT OR SEALANT (BY OTHERS)
METAL COUNTER-FLASHING (BY OTHERS)
FASTEN MEMBRANE @ 12" (305mm)

NOTE:
1. WHEN MECHANICAL FASTENERS ARE USED TO PENE TRATE THE METAL COUNTER-FLASHING, USE EPDM WASHERS. APPLY WATER CUT-OFF MASTIC UNDER THE COUNTER-FLASHING OR CAULK THE FASTENER HEADS.

9.4 MECHANICAL TERMINATION

UNIVERSAL SINGLE-Ply SEALANT OR SEALANT (BY OTHERS)
WEATHERBOND ZINC NAIL-IN ANCHOR
WEATHERBOND TERMINATION BAR

MIN. 1/4" (6mm)
MAX. 1/2" (12.7mm)

NOTES:
1. APPLY ON HARD SMOOTH SURFACE ONLY, NOT FOR USE ON EXPOSED WOOD.
2. DO NOT WRAP COMPRESSION TERMINATION BAR AROUND CORNERS.

9.5 MECHANICAL TERMINATION AT VERTICAL JOINT

UNIVERSAL SINGLE-Ply SEALANT OR SEALANT (BY OTHERS)
WEATHERBOND TERMINATION BAR
METAL COUNTER FLASHING (BY OTHERS)

NOTES:
1. APPLY ON HARD SMOOTH SURFACE ONLY.
2. DO NOT WRAP COMPRESSION TERMINATION BAR AROUND CORNERS.
3. VERTICAL JOINTS IN THE CAST PANEL AS WELL AS ALL GAPS AT THE JUNCTION OF THE TILT-UP PANEL AND ROOF DECK MUST BE FULLY SEALED TO PREVENT AIR INFLATION.

9.6 COPING STONE TERMINATION

COPING STONE & ANCHORS (BY OTHERS)
WATER CUT-OFF MASTIC
SEALANT (BY OTHERS), UNDER THE MEMBRANE UP.

9.7 MEMBRANE TERMINATIONS

WEATHERBOND BONDING ADHESIVE
THermoplastic ROOFING SYSTEM
WBPC-9.0A

WEATHERBOND THERMOPLASTIC REINFORCED MEMBRANE
APPROVED SUBSTRATE
SEE NOTE

WEATHERBOND THERMOPLASTIC REINFORCED MEMBRANE
APPROVED SUBSTRATE
SEE NOTE
THERMOPLASTIC ROOFING SYSTEM
WBPC-9.0B

WEATHERBOND ROOFING SYSTEMS
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MEMBRANE TERMINATIONS, PAGE 1 OF 2
NOTES:

1. REFER TO SPECIAL CONDITION SPEC. SUPPLEMENTS G-01-11 OR G-08-11.
   1.1. TO BLOCK INDOR AIR INFILTRATION AND HUMIDITY AT THE JUNCTION G-01-11.
   1.2. WHERE ROOF SYSTEM IS DESIGNED WITH A VAPOR RETARDER G-08-11.
2. IN A CASE WHERE FASTENERS MUST BE FASTENED INTO THE VERTICAL SURFACE, CARR MUST BE TAKEN TO CREATE THE MEMBRANE TIGHTLY INTO THE ANGLE CHANGE. PLACING THE PLATE INTO THE ANGLE CHANGE WILL HELP HOLD THE MEMBRANE IN THE PROPER POSITION.

WEATHERBOND THERMOPLASTIC Reinforced Membrane
APPLICABLE BONDING ADHESIVE
NOTE: HOT AIR WELD 1 1/2" (38mm) MIN.
WEATHERBOND & SEAM FASTENING PLATE, MAX. 12" (305mm) O.C. SEE TABLE ABOVE LEFT
WEATHERBOND THERMOPLASTIC Reinforced Membrane
APPLICABLE BONDING ADHESIVE
NOTE: HOT AIR WELD 1 1/2" (38mm) MIN.
WEATHERBOND & SEAM FASTENING PLATE, MAX. 12" (305mm) O.C. SEE TABLE ABOVE LEFT

WEATHERBOND THERMOPLASTIC Reinforced Membrane
APPLICABLE BONDING ADHESIVE
NOTE: HOT AIR WELD 1 1/2" (38mm) MIN.
WEATHERBOND & SEAM FASTENING PLATE, MAX. 12" (305mm) O.C. SEE TABLE ABOVE LEFT

NOTES:

1. REFER TO SPECIAL CONDITION SPEC. SUPPLEMENTS G-01-11 OR G-08-11.
   1. TO BLOCK INDOR AIR INFILTRATION AND HUMIDITY AT THE JUNCTION G-01-11.
   2. WHERE ROOF SYSTEM IS DESIGNED WITH A VAPOR RETARDER G-08-11.
2. FOR INSIDE CORNER AND RUSS APPLICATION SEE WBPC-12.2A

WEATHERBOND THERMOPLASTIC Reinforced Membrane
APPLICABLE BONDING ADHESIVE
NOTE: HOT AIR WELD 1 1/2" (38mm) MIN.
WEATHERBOND & SEAM FASTENING PLATE, MAX. 12" (305mm) O.C. SEE TABLE ABOVE LEFT

WEATHERBOND THERMOPLASTIC Reinforced Membrane
APPLICABLE BONDING ADHESIVE
NOTE: HOT AIR WELD 1 1/2" (38mm) MIN.
WEATHERBOND & SEAM FASTENING PLATE, MAX. 12" (305mm) O.C. SEE TABLE ABOVE LEFT

NOTES:

1. REFER TO SPECIAL CONDITION SPEC. SUPPLEMENTS G-01-11 OR G-08-11.
   1. TO BLOCK INDOR AIR INFILTRATION AND HUMIDITY AT THE JUNCTION G-01-11.
   2. WHERE ROOF SYSTEM IS DESIGNED WITH A VAPOR RETARDER G-08-11.
2. FOR INSIDE CORNER AND RUSS APPLICATION SEE WBPC-12.2A
1. The cut section of vertical membrane will be folded under the field membrane as shown in Step 4.

2. Apply inside corner in accordance with Weatherbond details WBPC-15.1 or WBPC-15.2.

3. Place a layer of Weatherbond thermoplastic membrane under the metal cap to protect against moisture infiltration at joints.

4. Fasten coated metal flashing to wood nailers using 1-1/2" (38mm) min. ring shank nails spaced 6" (152mm) on center and staggered approx. 1/2" (13mm).

NOTES:
1. Approximately 1/8" (3mm) diameter bead of cut-edge sealant is required on cut edges of Weatherbond reinforced TPO membrane and recommended on cut edges of Weatherbond PVC membrane.

2. Refer to special condition SPEC SUPPLEMENTS 2-01-10 or 2-01-11.
2.1. To block indoor air infiltration and humidity at the junction (2-01-11).
2.2. Where roof system is designed with a vapor retarder (2-08-11).

3. Heat weld 3" (76mm) wide piece of non-reinforced membrane over joint.

4. Heat weld 6" (152mm) wide piece of non-reinforced membrane centrally aligned over joint.
WEATHERBOND BONDING ADHESIVE

MIN. 2" (51mm) WIDE OVERLAP (HOT AIR WELD, 1-1/2", 38mm MIN.)

WEATHERBOND FASTENER & SEAM FASTENING PLATE, MAX. 12" (305mm) O.C.

WEATHERBOND PVC MEMBRANE

6" (152mm) WIDE REINFORCED PVC MEMBRANE, HOT AIR WELD ALL EDGES WITH MIN. 1-1/2" (38mm) PAST FASTENING PLATES

DIMENSIONS mm

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NOTES:

1. IN ADDITION TO ADHESIVE, VERTICAL OR HORIZONTAL MEMBRANE SECUREMENT IS REQUIRED.

2. INSTALL WEATHERBOND PVC MEMBRANE HORIZONTALLY AS SHOWN WITH LENGTH PARALLEL TO THE BASE OF THE WALL.

3. ADDITIONAL SECUREMENT IS NOT REQUIRED WHEN FLASHING TERMINATION IS 48" (1219mm) OR LESS.

PARAPET FLASHING > 48" (1200mm) — VERTICAL SECUREMENT

WEATHERBOND PVC MEMBRANE — SEE NOTE

THERMOPLASTIC ROOFING SYSTEM — WBPC–12.4

WEATHERBOND BONDING ADHESIVE

MIN. 9" (229mm) WIDE OVERLAP (HOT AIR WELD, 1-1/2", 38mm MIN.)

WEATHERBOND FASTENER & SEAM FASTENING PLATE, MAX. 12" (305mm) O.C.

WEATHERBOND PVC MEMBRANE

6" (152mm) WIDE REINFORCED PVC MEMBRANE, HOT AIR WELD ALL EDGES WITH MIN. 1-1/2" (38mm) PAST FASTENING PLATES

DIMENSIONS mm

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NOTES:

1. IN ADDITION TO ADHESIVE, VERTICAL OR HORIZONTAL MEMBRANE SECUREMENT IS REQUIRED.

2. INSTALL WEATHERBOND PVC MEMBRANE HORIZONTALLY AS SHOWN WITH LENGTH PARALLEL TO THE BASE OF THE WALL.

3. ADDITIONAL SECUREMENT IS NOT REQUIRED WHEN FLASHING TERMINATION IS 48" (1219mm) OR LESS.

PARAPET FLASHING > 48" (1200mm) — HORIZONTAL SECUREMENT

WEATHERBOND PVC MEMBRANE — SEE NOTE

THERMOPLASTIC ROOFING SYSTEM — WBPC–12.5
1. Remove all gravel at tie-in.
2. On mechanically attached systems, approved concrete fasteners and HP6X plates are required over concrete decks.
3. Water cut-off must be held under constant compression.
4. Weatherbond is not responsible for damage to the built-up roof or structural deck resulting from ponded water. This detail applies to re-roofing when a tear-off is not specified and was designed to prevent migration of water within the roof system.

**NOTES:**

**WEATHERBOND’S TWO PART POURABLE SEALER**

1. Position membrane fastening plates 1/2" (13mm) to 1" (25mm) from edge of deck membrane.
2. Approximately 1/8" (3mm) diameter bead of cut-edge sealant is required on cut edges of Weatherbond reinforced TPO membrane and recommended on cut edges of Weatherbond PVC membrane.
3. Ensure the location of curb will not impede the flow of water at existing adjacent roof.
NOTES:
1. PRIOR TO SPlicing, CLEAN EXISTING EPDM MEMBRANE BY SCRUBBING THE SPlice AREA WITH WEATHERED MEMBRANE CLEANER AND ALLOW TO DRY.
2. CONTACT MANUFACTURER OF EXISTING WARRANTED EPDM MEMBRANE ROOFING SYSTEM TO VERIFY ACCEPTANCE OF TIE-IN.
3. FOR EXISTING BALLASTED SYSTEMS BY OTHERS, CONSULT RESPECTIVE MANUFACTURER FOR ACCEPTABLE GRAVEL CONTAINMENT TO PREVENT GRAVEL MIGRATION.
4. DRILL A 3/8” (10mm) DIAMETER WEEP HOLE INTO THE BOTTOM FLUTES OF THE STEEL DECK ALONG THE PERIMETER OF THE TIE-IN 6” (152mm) MINIMUM TO 12” (305mm) MAXIMUM FROM THE SEAM FASTENING PLATE.
5. ON MECHANICALLY ATTACHED SYSTEMS, HPWx FASTENERS AND PLATES ARE REQUIRED OVER STEEL DECKS.

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NOTES:
1. PRIOR TO SPlicing, CLEAN EXISTING EPDM MEMBRANE BY SCRUBBING THE SPlice AREA WITH WEATHERED MEMBRANE CLEANER; ALLOW TO DRY.
2. CONTACT MANUFACTURER OF EXISTING WARRANTED EPDM MEMBRANE ROOFING SYSTEM TO VERIFY ACCEPTANCE OF TIE-IN.
3. ON EXISTING BALLASTED ROOFING SYSTEMS, CONSULT RESPECTIVE MANUFACTURER FOR ACCEPTABLE GRAVEL CONTAINMENT TO PREVENT GRAVEL MIGRATION.
4. WATER CUT-OFF MASTIC MUST BE HELD UNDER CONSTANT COMPRESSION.
5. WHEN RE-ROOFING OVER PRE-CAST CONCRETE, APPLY LIBERAL BEAD OF WATER CUT-OFF MASTIC IN THE JOINTS TO PREVENT MOISTURE MIGRATION.
6. ON MECHANICALLY ATTACHED SYSTEMS, APPROVED FASTENERS AND HPWx PLATES ARE REQUIRED OVER CONCRETE DECKS.
7. APPROXIMATELY 1/8” (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED TPO MEMBRANE.
NOTES:
1. REGARDLESS OF MEMBRANE EXPOSURE EXTEND MEMBRANE UNDER FIRST 3 COURSES.
2. ON MECHANICALLY ATTACHED SYSTEMS, HPWX FASTENERS AND PLATES ARE REQUIRED OVER STEEL OR WOOD DECKS.
3. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF WEATHERBOND REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF WEATHERBOND PVC MEMBRANE.

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<td>C</td>
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HEAT WELD APPROX. 1/4 OF AREA AS SHOWN.

TRIM TRIANGULAR FLAP BEYOND EXPOSED CORNER AS SHOWN.

WEATHERBOND THERMOPLASTIC REINFORCED MEMBRANE

POSITION AND HEAT WELD CORNER IN PLACE AS SHOWN.

HEAT WELD 3" (76mm) WIDE PIECE OF NON-REINFORCED MEMBRANE OVER VERTICAL JUNCTURE IN COATED METAL AND OVER CUT EDGE AT CORNER AS SHOWN.

HEAT WELD 6" (152mm) WIDE PIECE OF REINFORCED MEMBRANE OVER 3" WIDE NON-REINFORCED MEMBRANE.

NOTES:

1. FASTEN COATED METAL FLASHING TO WOOD NAILED USING 1-1/2" (38mm) MIN. RING SHANK NAILS SPACED 6" (152mm) ON CENTER AND STAGGERED APPROX. 1/2" (13mm).

2. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF WEATHERBOND REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF WEATHERBOND PVC MEMBRANE.

INSTALL FIELD MEMBRANE AND HEAT WELD TO FLANGE OF COATED METAL. ALSO INSTALL INSIDE CORNER FLASHING PER WBPC-15.1 OR WBPC-15.2 DETAILS.
1. POSITION FASTENING PLATES 6" (150mm) FROM THE CORNER AND 1/2" TO 1" (13 TO 25mm) FROM EDGE OF MEMBRANE.

2. APPROXIMATELY 1/8" (3MM) DIAMETER BEAD OF CUTOFF EDGE SEALANT IS REQUIRED ON CUT EDGES OF WEATHERBOND REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF WEATHERBOND PVC MEMBRANE.

3. REFER TO WEATHERBOND SPECIFICATIONS FOR ACCEPTABLE FASTENERS AND PLATES.
NOTES:
1. FASTEN COATED METAL FLASHING TO WOOD NAILEES USING 1-1/2" (38mm) MIN. RING SHANK NAILS SPACED 6" (152mm) ON CENTER AND STAGGERED APPROX. 1/2" (13mm).
2. REFER TO WEATHERBOND WBPC-15.3 DETAIL FOR FLASHING VERTICAL JOINTS IN COATED METAL.

60-MIL (1.27mm) THICK PVC/TPS. UNIVERSAL CORNERS CAN BE USED FOR 3 DIFFERENT CORNER CONDITIONS AS SHOWN BELOW.

OPTION A
- BOTTOM OUTSIDE CORNER
- TOP OUTSIDE CORNER, WHERE REQUIRED

OPTION B
- INSIDE CORNER
- BOTTOM SIDE UP

OPTION C
- WEATHERBOND OUTSIDE CORNER

NOTES:
1. ROOF SYSTEMS MUST NOT HAVE FIELD FABRICATED OR BUILT-IN CANT STRIP.
2. REFER TO TECHNICAL DATA BULLETINS FOR COLOR AVAILABILITY.

TYPICAL DIMENSIONS
- 3" = 76mm
- 6" = 152mm

OUTSIDE CORNER WITH COATED METAL WALL FLASHING

WEATHERBOND
- THERMOPLASTIC
- REINFORCED MEMBRANE
- APPROVED SUBSTRATE
- SEE NOTE

THERMOPLASTIC ROOFING SYSTEM
WBPC-15.6

WEATHERBOND
- THERMOPLASTIC
- REINFORCED MEMBRANE
- APPROVED SUBSTRATE
- SEE NOTE

THERMOPLASTIC ROOFING SYSTEM
WBPC-15.7

PVC OR TPS: UNIVERSAL CORNERS – COMBINATION INSIDE & OUTSIDE CORNERS
NOTES:
1. TEMPERATURE OF PIPE MUST NOT EXCEED 160°F (71°C).
2. WHEN USING TPO MOLDED SEALANT POCKET, TPO PRIMER MUST BE APPLIED TO ALL INSIDE SURFACES AND PENETRATIONS PRIOR TO FILLING WITH SEALANT. WHEN USING PVC MOLDED SEALANT POCKET, CLEAN THE POCKET WITH PVC CLEANER, APPLY TPO PRIMER TO PENETRATION(S) ONLY.
3. FILL POCKET COMPLETELY WITH WHITE ONE-PART POURABLE SEALER UNTIL RMS IS COVERED WITH SEALANT. ENSURE ALL HOLES ARE FILLED.
4. ON MECHANICALLY-ATTACHED SYSTEMS, INSTALL A MINIMUM OF 4 FASTENING PLATES AROUND SEALANT POCKETS WITH A DIAMETER UP TO 6" (152mm). ADDITIONAL FASTENING PLATES WILL BE REQUIRED FOR SEALANT HOLES GREATER THAN 6" IN DIAMETER AND SHALL BE SPACED 12" (305mm) ON CENTER. FASTENERS/PLATES ARE NOT REQUIRED ON ACHIEVED SYSTEMS UNLESS SEALANT HOLES DIAMETER EXCEEDS 12" (305mm).
5. REFER TO WEATHERBOND SPECIFICATIONS FOR PROPER FASTENERS AND PLATES.
6. APPROXIMATELY 1/8" (3mm) DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EDGES OF WEATHERBOND REINFORCED TPO MEMBRANE AND RECOMMENDED ON CUT EDGES OF WEATHERBOND PVC MEMBRANE.

PLACE MOLDED WEATHERBOND SEALANT POCKET AROUND PENETRATION AND OVERLAP THE TWO SECTIONS

REFER TO PRODUCT DATA SHEET FOR STEP-BY-STEP INSTALLATION PROCEDURES
NOTES:

1. **WOOD NAiLERS ARE INSTALLED ONLY AT SCUPPERS TO SECURE METAL SLEEVE AND MUST EXTEND PAST THE WIDTH OF METAL SLEEVE FLANGE.**

2. **INSTALL WALL FLASHING PRIOR TO SCUPPER INSTALLATION.**

3. **METAL SCUPPER BOX MUST HAVE CONTINUOUS FLANGES WITH ROUNDED CORNERS.**

4. **WATER CUT-OFF MASTIC UNDER SCUPPER FLANGE MUST BE UNDER CONSTANT COMPRESSION.**

5. **SCUPPER FLANGES MUST BE TOTALLY COVERED BY NON-REINFORCED FLASHING WITH MINIMUM 2" (51mm) COVERAGE PAST NAIL HEAD.**

6. **UNIVERSAL SINGLE-Ply SEALANT IS REQUIRED AT FLASHING EDGES ON SCUPPER EDGE. WHEN USING TPO MEMBRANE, TPO PRIMER MUST BE USED TO PREPARE SURFACES PRIOR TO THE APPLICATION OF SEALANT.**
NOTES:
1. WOOD NAILERS ARE INSTALLED ONLY AT SCUPPERS TO SECURE METAL SLEEVE AND MUST EXTEND PAST THE WIDTH OF METAL SLEEVE FLANGE.
2. INSTALL WALL FLASHING PRIOR TO SCUPPER INSTALLATION.
3. METAL SCUPPER BOX MUST HAVE CONTINUOUS FLANGES WITH ROUNDED CORNERS, SOLE TO ALL SCUPPER SEAMS WATER-TIGHT.
4. WATER CUT-OFF MASTIC UNDER SCUPPER FLANGE MUST BE UNDER CONSTANT COMPRESSION.
5. SCUPPER FLANGES MUST BE TOTALLY COVERED BY NON-REINFORCED PVC FLASHING WITH MINIMUM 2" (51mm) COVERAGE PAST NAIL HEAD.
6. UNIVERSAL SINGLE-FLY SEALANT IS REQUIRED AT FLASHING EDGES ON SCUPPER EDGE.

NOTES:
1. DETAIL MAY BE USED FOR ANY FASTENER PENETRATION (E.G., ACCESS LADDER, ANCHOR SUPPORT TO PARAPET).
2. WATER CUT-OFF MASTIC MUST BE UNDER CONSTANT COMPRESSION.
3. DETAIL UNACCEPTABLE FOR HORIZONTAL APPLICATION ON ROOF DECK.
LIGHTNING ROD AND BASE SUPPORT (BY OTHERS)

UNIVERSAL SINGLE-PLY SEALANT

NOTES:

1. CLEAN EXPOSED MEMBRANE SURFACE WITH WEATHERED MEMBRANE CLEANER (WHEN USING TPO) AND PVC MEMBRANE CLEANER (WHEN USING PVC) AND ALLOW TO DRY.

2. WHEN USING TPO MEMBRANE, APPLY TPO PRIMER TO THE MEMBRANE SURFACE PRIOR TO THE APPLICATION OF UNIVERSAL SINGLE-PLY SEALANT.