NOTES:
1. MUST MEET ANSI/SPRI ES-1 REQUIREMENTS.
2. ATTACH NAILER TO WALL WITH SUITABLE FASTENERS. SEE ANSI/SPRI ES-1 SECTION 3.9 AND COMMENTARY.
3. WHERE STRUCTURAL ELEMENTS OF THE BUILDING DO NOT ALLOW USE OF WOOD NAILER CONSULT MANUFACTURER FOR ATTACHMENT RECOMMENDATIONS.
4. THIS DETAIL SHOULD BE USED ONLY WHERE THE DECK IS SUPPORTED BY THE OUTSIDE WALL.
5. RAIL COVER MUST ALLOW FOR EXPANSION AND CONTRACTION.

THERMOPLASTIC ROOFING
EXTRUDED ALUMINUM RAIL FASCIA SYSTEM

SPRI
Single Ply Roofing Industry

2010
NOT DRAWN TO SCALE

SPRI-TP-1
NOTES:
1. MUST MEET ANSI/SPRI ES-1 REQUIREMENTS.
2. ATTACH NAILER TO WALL WITH SUITABLE FASTENERS. SEE ANSI/SPRI ES-1 SECTION 3.9 AND COMMENTARY.
3. WHERE STRUCTURAL ELEMENTS OF THE BUILDING DO NOT ALLOW USE OF WOOD NAILER CONSULT MANUFACTURER FOR ATTACHMENT RECOMMENDATIONS.
4. THIS DETAIL SHOULD BE USED ONLY WHERE THE DECK IS SUPPORTED BY THE OUTSIDE WALL.
5. RAIL COVER MUST ALLOW FOR EXPANSION AND CONTRACTION.

THERMOPLASTIC ROOFING
RAIL FASCIA SYSTEM
NOTES:
1. MUST MEET ANSI/SPRI ES-1 REQUIREMENTS.
2. ATTACH NAILER TO WALL WITH SUITABLE FASTENERS. SEE ANSI/SPRI ES-1 SECTION 3.9 AND COMMENTARY.
3. WHERE STRUCTURAL ELEMENTS OF THE BUILDING DO NOT ALLOW USE OF WOOD NAILER CONSULT MANUFACTURER FOR ATTACHMENT RECOMMENDATIONS.
4. THIS DETAIL SHOULD BE USED ONLY WHERE THE DECK IS SUPPORTED BY THE OUTSIDE WALL.
5. RAIL COVER MUST ALLOW FOR EXPANSION AND CONTRACTION.

THERMOPLASTIC ROOFING
WATERDAM FASCIA SYSTEM

SPRI
Single Ply Roofing Industry

2010
NOT DRAWN TO SCALE
SPRI-TP-3
NOTES:
1. MUST MEET ANSI/SPRI ES-1 REQUIREMENTS.
2. ATTACH NAILER TO WALL WITH SUITABLE FASTENERS. SEE ANSI/SPRI ES-1 SECTION 3.9 AND COMMENTARY.
3. WHERE STRUCTURAL ELEMENTS OF THE BUILDING DO NOT ALLOW USE OF WOOD NAILER CONSULT MANUFACTURER FOR ATTACHMENT RECOMMENDATIONS.
4. WATERDAM AND COVER MUST ALLOW FOR EXPANSION AND CONTRACTION.

THERMOPLASTIC ROOFING
WATERDAM FASCIA OPTIONS

SPRI
Single Ply Roofing Industry

2010
NOT DRAWN TO SCALE
SPRI-TP-4
NOTES:
1. MUST MEET ANSI/SPRI ES-1 REQUIREMENTS.
2. ATTACH NAILER TO WALL WITH SUITABLE FASTENERS. SEE ANSI/SPRI ES-1 SECTION 3.9 AND COMMENTARY.
3. WHERE STRUCTURAL ELEMENTS OF THE BUILDING DO NOT ALLOW USE OF WOOD NAILER CONSULT MANUFACTURER FOR ATTACHMENT RECOMMENDATIONS.
4. Drip edge and cleat must allow for expansion and contraction.

THERMOPLASTIC ROOFING
CLEATED DRAIN EDGE

SPRI
SINGLE PLY ROOFING INDUSTRY

2010
NOT DRAWN TO SCALE

SPRI-TP-6
NOTES:
1. THIS DETAIL SHOULD BE USED ONLY WHERE THE DECK IS SUPPORTED BY THE OUTSIDE WALL.
2. ATTACH NAILER TO WALL WITH SUITABLE FASTENERS. IN HIGH WIND AREAS, REFER TO ANSI/SPRI ES-1, SECTION 3.9 AND COMMENTARY.
3. FREQUENT NAILING OF METAL FLANGE IS NECESSARY TO MINIMIZE THERMAL MOVEMENT.
4. CONTACT THE MEMBRANE MANUFACTURER FOR SPECIFIC MANUFACTURER RECOMMENDATIONS OR REQUIREMENTS.
5. A SEPARATION LAYER MAY BE REQUIRED BELOW THE THERMOPLASTIC MEMBRANE WHEN OVERLAYING CERTAIN INSULATIONS OR SUBSTRATES.

THERMOPLASTIC ROOFING
METAL FLASHING
(GRAVEL STOP)

2010
NOT DRAWN TO SCALE
SPRI-TP-5
THERMOPLASTIC ROOFING
CLEATED DRIP EDGE OPTIONS

2010
SPRI-TP-7

WOOD NAILERS— MUST BE FLAT, TRUE, AND FLUSH WITH THE OUTSIDE FACE

WOOD NAILER— MUST BE FLAT, TRUE, AND FLUSH WITH THE OUTSIDE FACE
NOTES:
1. GUTTER BRACKETS ARE RECOMMENDED TO BE AT LEAST ONE GAUGE HEAVIER THAN GUTTER STOCK.
2. ATTACH WOOD NAILER TO WALL/DECK WITH SUITABLE FASTENERS.
3. DESIGN GUTTER EXPANSION JOINTS PLACED AT APPROPRIATE INTERVALS COMMISSURATE WITH TYPE OF METAL.
4. A SEPARATION LAYER MAY BE REQUIRED BELOW THE THERMOPLASTIC MEMBRANE WHEN OVERLAYING CERTAIN INSULATIONS OR SUBSTRATES.
5. CONTACT DESIGN PROFESSIONAL AND MANUFACTURER FOR DETAIL REQUIREMENTS OR RECOMMENDATIONS IF AREA BENEATH ROOF IS PRESSURIZED. THE EFFECT OF BUILDING PRESSURIZATION ON THE ROOF SYSTEM IS NOT CONSIDERED IN THIS DETAIL.
NOTES:
1. THIS DETAIL SHOULD BE USED ONLY WHERE THE DECK IS SUPPORTED BY THE WALL.
2. THE JOINTS IN THE SHEET METAL COUNTERFLASHING SHOULD NOT BE SOLDERED.
3. OTHER METHODS OF TOP TERMINATION AND COUNTERFLASHING MAY BE APPLICABLE.
4. TOP LAYER OF INSULATION CAN BE EITHER THERMAL INSULATION OR COVERBOARD INSULATION.
5. A SEPARATION LAYER MAY BE REQUIRED BELOW THE THERMOPLASTIC MEMBRANE WHEN OVERLAYING CERTAIN INSULATIONS OR SUBSTRATES.
6. CONTACT DESIGN PROFESSIONAL AND MANUFACTURER FOR DETAIL REQUIREMENTS OR RECOMMENDATIONS IF AREA BENEATH ROOF IS PRESSURIZED. THE EFFECT OF BUILDING PRESSURIZATION ON THE ROOF SYSTEM IS NOT CONSIDERED THIS DETAIL.
CONTINUOUS THROUGH-WALL FLASHING (BY OTHERS)
WEEP HOLES (BY OTHERS)
TOGGLED POLYURETHANE SEALANT (BY OTHERS)
SHEET METAL REGLET
FASTENERS APPROX. 24" (600mm) O.C.
3" [75mm] LAP WITH BEAD OF SEALANT
3" [75mm] LAP AT JOINTS
REMOVABLE SHEET METAL COUNTERFLASHING
OPTIONAL: 2" [50mm] WIDE CLIP APPROX. 30" [750mm] O.C.
TERMINATION BAR FASTENED APPROX. 12" [300mm] O.C.
INSTALL SEALANT BEHIND MEMBRANE
FLASHING MEMBRANE (ADHERED TO WALL)
PLATES FASTENED APPROX. 12" [300mm] O.C.
FLEXIBLE FOAM ROD; MINIMUM DIAMETER 1 1/2 TIMES WIDTH OF OPENING
SEALANT (IF REQUIRED BY THE SPECIFIC SYSTEM)
FLEXIBLE VAPOR RETARDER WITH COMPRESSIBLE INSULATION
WOOD NAILERS—MUST BE FLAT, TRUE, AND FLUSH WITH THE OUTSIDE FACE
THERMOPLASTIC ROOF MEMBRANE
THERMAL INSULATION
ROOF DECK

NOTES:
1. THIS DETAIL ACCOMMODATES INDEPENDENT WALL AND DECK MOVEMENT.
2. THIS DETAIL SHOULD BE USED WHERE THERE IS ANY POSSIBILITY THAT DIFFERENTIAL MOVEMENT WILL OCCUR BETWEEN THE DECK AND A VERTICAL SURFACE.
3. OTHER METHODS OF TOP TERMINATION AND COUNTERFLASHING MAY BE APPLICABLE.
4. THE JOINTS IN THE SHEET METAL COUNTERFLASHING SHOULD NOT BE SOLDERED.
5. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
6. A SEPARATION LAYER MAY BE REQUIRED BELOW THE MEMBRANE WHEN OVERLAYING CERTAIN INSULATIONS OR SUBSTRATES.

THERMOPlastic ROOFING
BASE FLASHING FOR NON-WALL-SUPPORTED DECK

SPri—TP—10

2010
NOT DRAWN TO SCALE
NOTES:
1. INSTALL ONLY OVER A SMOOTH, HARD SURFACE DESIGNED FOR OUTDOOR EXPOSURE.
2. APPLY MASTIC OR TAPE SEALANT BETWEEN THE MEMBRANE AND THE WALL SURFACE AS SHOWN.
3. FASTEN THE TERMINATION BAR THROUGH THE MASTIC AND INTO THE WALL USING APPROPRIATE FASTENERS. FASTEN SUFFICIENTLY TO PROVIDE CONSTANT COMPRESSION OF THE MASTIC OR TAPE SEALANT.
4. THE TERMINATION BAR MUST BE A MINIMUM OF 1/8" (3.25MM) THICK BY 1" (25MM) WIDE AND SUFFICIENTLY RIGID TO PROVIDE CONSTANT COMPRESSION.
5. ALLOW 1/4" (6.5MM) MINIMUM TO 1/2" (13MM) MAXIMUM SPACING BETWEEN CONSECUTIVE LENGTHS OF TERMINATION BAR.
NOTES:
1. WALL FLASHING TO BE FASTENED A MAXIMUM OF 12" (300MM) ON CENTER UNDER THE COUNTERFLASHING.
2. APPLY A SEALANT ALONG THE TOP OF THE COUNTERFLASHING TO PROTECT THE REGLET-TYPE OPENING FROM THE WEATHER.
NOTES:
1. THIS DETAIL SHOULD BE USED ONLY WHERE THE DECK IS SUPPORTED BY THE WALL.
2. TOP LAYER OF INSULATION CAN BE EITHER THERMAL INSULATION OR COVERBOARD INSULATION.
3. A SEPARATION LAYER MAY BE REQUIRED BELOW THE THERMOPLASTIC MEMBRANE WHEN OVERLAYING CERTAIN INSULATIONS OR SUBSTRATES.
NOTES:
1. MUST MEET ANSI/SPRI ES-1 REQUIREMENTS.
2. ATTACH NAILER TO WALL WITH SUITABLE FASTENERS. SEE ANSI/SPRI ES-1 SECTION 3.9 AND COMMENTARY.
3. WHERE STRUCTURAL ELEMENTS OF THE BUILDING DO NOT ALLOW USE OF WOOD NAILERS CONSULT MANUFACTURER FOR ATTACHMENT RECOMMENDATIONS.
4. TOP OF COPING SHOULD SHED WATER TOWARD ROOF.
5. ALL JOINTS SHOULD PREVENT OR CONTROL WATER INFILTRATION BELOW COPING.
6. COPING SYSTEMS MUST ALLOW FOR EXPANSION AND CONTRACTION.
7. MISCELLANEOUS ITEMS SHOULD NOT BE ATTACHED TO COPING.

THERMOPLASTIC ROOFING
METAL PARAPET CAP COPING

SPRI-TP-14
NOTES:
1. THIS DETAIL ALLOWS FOR BUILDING MOVEMENT IN BOTH DIRECTIONS.
2. FLASHING REQUIREMENTS TYPICAL FOR BOTH SIDES OF THE EXPANSION JOINT.
3. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
4. A SEPARATION LAYER MAY BE REQUIRED BELOW THE THERMOPLASTIC MEMBRANE WHEN OVERLAYING CERTAIN INSULATIONS OR SUBSTRATES.
5. CONTACT DESIGN PROFESSIONAL AND MANUFACTURER FOR DETAIL REQUIREMENTS OR RECOMMENDATIONS IF AREA BENEATH ROOF IS PRESSURIZED. THE EFFECT OF BUILDING PRESSURIZATION ON THE ROOF SYSTEM IS NOT CONSIDERED IN THIS DETAIL.

THERMOPLASTIC ROOFING
EXPANSION JOINT WITH METAL COVER

SPRI-TP-15

2010
NOT DRAWN TO SCALE
NOTES:
1. THIS DETAIL ALLOWS FOR BUILDING MOVEMENT IN BOTH DIRECTIONS.
2. FLASHING REQUIREMENTS TYPICAL FOR BOTH SIDES OF THE EXPANSION JOINT.
3. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
4. A SEPARATION LAYER MAY BE REQUIRED BELOW THE THERMOPLASTIC MEMBRANE WHEN OVERLAYING CERTAIN INSULATIONS OR SUBSTRATES.

THERMOPLASTIC ROOFING
MEMBRANE BELLOWS
EXPANSION JOINT COVER

SPRI
Single Ply Roofing Industry

2010
NOT DRAWN TO SCALE
SPRI-TP-16
NOTES:
1. THIS DETAIL ALLOWS FOR BUILDING MOVEMENT IN ALL DIRECTIONS, (HORIZONTAL, VERTICAL AND SHEAR).
2. FLASHING REQUIREMENTS TYPICAL FOR BOTH SIDES OF EXPANSION JOINT.
3. CONTACT DESIGN PROFESSIONAL AND MANUFACTURER FOR DETAIL REQUIREMENTS OR RECOMMENDATIONS IF AREA BENEATH ROOF IS PRESSURIZED. THE EFFECT OF BUILDING PRESSURIZATION ON THE ROOF SYSTEM IS NOT CONSIDERED IN THIS DETAIL.

THERMOPLASTIC ROOFING
EXPANSION JOINT COVER
NOTES:
1. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
2. A SEPARATION LAYER MAY BE REQUIRED BELOW THE THERMOPLASTIC MEMBRANE WHEN OVERLAYING CERTAIN INSULATIONS OR SUBSTRATES.
WIDTH OF EQUIPMENT | HEIGHT OF LEGS
---|---
UP TO 24" (UP TO 600mm) | 24" [600mm]
25" TO 48" (600mm TO 1.2m) | 36" [900mm]
48" AND WIDER (1.2m AND WIDER) | 48" [1.2m]

FOR HEIGHT OF LEGS
SEE TABLE

- STRUCTURAL FRAME
- SEALANT
- DRAMBAND
- 1/4" [6mm] MIN. CLEARANCE TO RAIN COLLAR
- WATERTIGHT SHEET METAL RAIN COLLAR OVERLAPPING FLASHING COLLAR BY 3" TO 4" [75mm TO 100mm]
- SEALANT (IF REQUIRED)
- FLASHING MEMBRANE
- PLATES AND FASTENERS (AS REQUIRED)
- THERMOPLASTIC ROOF MEMBRANE
- THERMAL INSULATION
- ROOF DECK
- FILL GAPS WITH INSULATION BOARD TO PROVIDE EVEN SUBSTRATE

THERMOPLASTIC ROOFING
EQUIPMENT SUPPORT STAND & TYPICAL RAIN COLLAR

SPRI
SINGLE PLY ROOFING INDUSTRY

2010
NOT DRAWN TO SCALE
SPRI-TP-19
<table>
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<th>WIDTH OF EQUIPMENT</th>
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<tbody>
<tr>
<td>UP TO 24&quot; [UP TO 600mm]</td>
<td>24&quot; [600mm]</td>
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<tr>
<td>25&quot; TO 48&quot; [600mm TO 1.2m]</td>
<td>36&quot; [900mm]</td>
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<tr>
<td>48&quot; AND WIDER [1.2m AND WIDER]</td>
<td>48&quot; [1.2m]</td>
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- STRUCTURAL FRAME
- SEALANT
- OPTIONAL: DRUMBAND
- SEALANT (IF REQUIRED BY THE SPECIFIC SYSTEM)
- FLASHING MEMBRANE
- PLATES AND FASTENERS (AS REQUIRED)
- THERMOPLASTIC ROOF MEMBRANE
- THERMAL INSULATION
- ROOF DECK

FILL GAPS WITH INSULATION BOARD TO PROVIDE EVEN SUBSTRATE
NOTES:
1. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
2. A SEPARATION LAYER MAY BE REQUIRED BELOW THE MEMBRANE WHEN OVERLAYING CERTAIN INSULATIONS OR SUBSTRATES.
3. WHEN POSSIBLE, THE MECHANICAL UNITS SHOULD NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED.
Notes:
1. The use of a metal deck sump pan is not recommended. However, drain receiver/bearing plates are applicable with some projects.
2. A separation layer may be required below the thermoplastic membrane when overlaying certain insulations or substrates.