TPA-104 End Lap Detail

TPA-105 T-Joint Detail

TPA-108 Roof Perimeter Flashing Detail

TPA-206 TremLock Fascia Edge Detail
Detailed Drawings

Single Ply

TPA-207 TremLine Edge Detail with Extender

TPA-211 Gravel Stop WITH TPA Coated Metal

TPA-213 Gravel Stop - TPA Coated Metal - Isometric

TPA-220 Through Wall Scupper Detail
Detailed Drawings

Single Ply

TPA-221 Through Wall Scupper - Isometric

TPA-222 Gravel Stop - Scupper Detail

TPA-232 Gutter Detail

TPA-301 Parapet Wall Flashing Detail
Detailed Drawings

Single Ply

TPA-321 Door Threshold Flashing Detail

TPA-325 TremLock Surface Mounted Counterflashing

TPA-340 Base Flashing Butt Joint TPA Coated Metal

TPA-402 Expansion Joint at Curb Detail
Detailed Drawings

Single Ply

TPA-403 Expansion Joint Wall Flashing Detail

TPA-501 Curb Flashing Detail Using Coated Metal

TPA-502 Curb Flashing Detail

TPA-510 Drain Flashing Detail

NOTE:
WOOD NAILE SECURED TO THE DECK PER FACTORY MUTUAL LOSS PREVENTION DATA I-49

NOTE:
ALL FLASHINGS MUST BE A MINIMUM OF 8" HIGH.

NOTE:
A FIELD WELD MUST NOT PASS UNDER THE CLAMPING RING
MEMBRANE MUST EXTEND MINIMUM 1" BEYOND THE BOLT HOLES
THE CLAMPING RING BOLT MUST PENETRATE THE MEMBRANE
Detailed Drawings

Single Ply

TPA-520 Prefabricated Vent Pipe Flashing Detail

NOTES:
DO NOT CUT PREFABRICATED BOOT, IT MUST BE PULLED OVER VENT PIPE.
PREFABRICATED BOOTS ARE AVAILABLE IN SMALL (1" TO 4" DIAMETER), AND LARGE SIZES (4" TO 8" DIAMETER)

TPA-522 High-Temperature Pipe Flashing Detail

NOTE:
TO BE USED WHEN TEMPERATURE OF STACK EXCEEDS 140°F.

TPA-523 I-Beam Flashing Detail

TPA-525 Multiple Pipe Penetration Detail
Detailed Drawings

Single Ply

TPA-526 Pitch Pocket Flashing Detail

TPA-530 Exposed Sleeper Detail

TPA-531 Fixed Equipment Support Detail

TPA-540 Curb Flashing Using TPA Membrane
Detailed Drawings

Single Ply

TPA-601 Valley Flashing Detail

TPA MEMBRANE
TPA PLATES & SCREWS
HEAT WELDED LAP
24” - 39” ROLL OF TPA FLEECE BACK MEMBRANE FULLY ADHERED WITH TPA BONDING ADHESIVE

ROOF DECK
ROOF INSULATION

NOTE:
MEMBRANE FASTENER SPACING AS SPECIFIED, BUT NOT TO EXCEED 12” O.C.

TPA-602 Ridge Flashing Detail

TPA MEMBRANE
HEAT WELDED LAP
TPA PLATES & SCREWS
TPA PERIMETER MEMBRANE

ROOF DECK
ROOF INSULATION

NOTE:
MEMBRANE FASTENER SPACING AS SPECIFIED, BUT NOT TO EXCEED 12” O.C.

TPA-611 Membrane Termination at Slope Roof

CONTINUE FELT UNDERLayment OVER TPA MEMBRANE
8” MIN. VERTICAL FLASHING HOT.
TPA PLATES & SCREWS
HEAT WELDED LAP
TPA MEMBRANE

NOTES:
FLASHING WIDTH IS 33 INCHES FOR 3 IN 12 ROOF SLOPE.
THIRD COURSE OF SHINGLES MUST OVERLAP FLASHING.

TPA-621 Lightning Cable Support Strap Detail

TPA MEMBRANE
CABLE LINE
TPA MEMBRANE STRIPS
HEAT WELDS

ROOF DECK
ROOF INSULATION

8.4-15
Detailed Drawings

Single Ply

TPA-622 Lightning Rod Base Detail

TPA-623 Wall Mounted Lightning Rod Detail

FB-104 End Lap Detail

FB-206 TremLock Fascia Edge Detail

8.4-16
Detailed Drawings

Single Ply

FB-301 Parapet Wall Flashing Detail

FB-303 Insulated Parapet Wall Flashing Detail

FB-304 High Parapet Wall Flashing Detail

FB-305 Parapet Wall Flashing Detail

NOTE:
SEE DETAIL FB-304 IF WALL HEIGHT EXCEEDS 36".
**FB-310 Wall Counterflash Detail**

- TPA Approved Sealant
- TF Tape
- Pressure Bar Fastened @ 6" O.C.
- TPA Bonding Adhesive
- TPA Fleece Backed Membrane
  - Fully Adhered to Substrate with TPA Bonding Adhesive
- Heat Welded Lap
- TPA Fleece Backed Membrane
- TPA Bonding Adhesive or Hot Asphalt

**NOTES**

- Flashing must be a minimum of 8" high.
- Do not cover or block weep holes with flashing or sealant.

**FB-321 Door Threshold Flashing Detail**

- Metal Threshold
- TF Tape
- Metal Counterflashings
- TPA Membrane
- Heat Welded Lap
- Walk Pad Fully Adhered
- TPA Fleece Backed Membrane
- TPA Bonding Adhesive or Hot Asphalt

**FB-325 TremLock Surface Mounted Counterflashing**

- Specified Fastener
- 8" O.C. (Max.)
- SEALANT
- Elastomeric Tape
- Extruded Splice Plate
- Extruded Counterflashings
- Sealant
- Elastomeric Tape
- Extruded Compression Bar

**FB-340 Base Flashing Butt Joint TPA Coated Metal**

- TPA Membrane 6" Strip
- 2" Max. Foil Tape Covering Entire Length of Metal Joint
- TPA Coated Metal
- Extend 6" Strip Beyond Edge of TPA Metal

Counterflashing Dimensions:

<table>
<thead>
<tr>
<th>Fastener</th>
<th>Width (in)</th>
<th>Length (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSC 600</td>
<td>.069</td>
<td>6&quot;</td>
</tr>
<tr>
<td>TSC 100</td>
<td>.069</td>
<td>6&quot;</td>
</tr>
<tr>
<td>TSC 800</td>
<td>.069</td>
<td>6&quot;</td>
</tr>
</tbody>
</table>
Detailed Drawings
Single Ply

FB-402 Expansion Joint at Curb Detail

FB-403 Expansion Joint Wall Flashing Detail

FB-501 Curb Flashing Using TPA Coated Metal

FB-502 Curb Flashing Detail

NOTE:
SPACING AND FASTENING OF NAILERS SHALL CONFORM TO FACTORY MUTUAL LOSS PREVENTION DATA SHEET I-49.

NOTE:
ALL FLASHING MUST BE A MINIMUM OF 8" HIGH.
**FB-511** Drain Flashing Detail

**FB-520** Prefabricated Vent Pipe Flashing

**FB-521** Two-Piece Pipe Flashing Detail

**FB-522** High-Temperature Pipe Flashing Detail

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**NOTES:**

- **FB-511** Drain Flashing Detail: This two piece design must be used when installing the TPA fleece backed membrane. Membrane must extend minimum 1" beyond the bolt holes. Field weld must not pass under the clamping ring. The clamping ring bolt must penetrate the membrane.

- **FB-520** Prefabricated Vent Pipe Flashing: Do not cut prefabricated boot. It must be pulled over vent pipe. Prefabricated boots are available in small & large sizes, and must be used whenever possible to flash pipes 1" to 8" in diameter.

- **FB-521** Two-Piece Pipe Flashing Detail: (Details not shown)

- **FB-522** High-Temperature Pipe Flashing Detail: This detail to be used when temperature of stack exceeds 140°F.
Detailed Drawings

Single Ply

FB-523 I-Beam Flashing Detail

FB-526 Pitch Pocket Flashing Detail

FB-530 Exposed Sleeper

FB-531 Fixed Equipment Support Detail
Detailed Drawings

Single Ply

FB-540 Curb Flashing Detail Using TPA Membrane

FB-601 Valley Flashing Detail

FB-602 Ridge Flashing Detail

FB-611 Membrane Termination at Sloped Roof
Detailed Drawings

Single Ply

FB-621 Lighting Cable Support Strap Detail

FB-622 Lightning Rod Base Detail

FB-623 Wall Mounted Lighting Rod Detail