The devil is in the:

DETAILS!
NEW METAL PARAPET CAP

**NOTE:**

i; Free height shall be 8" above roof surface

ii; This detail should be used only when the deck is supported by the wall

©SPFA 2012
EXISTING PARAPET WITH COPING

Option: Apply polyurethane foam & coating over coping to leading edge

Extend coating 2" min. above foam termination line
Existing flashing & counter flashing

Elastomeric Coating
Sprayed Polyurethane Foam
1" Minimum
Existing roof system

©SPFA 2012
Masonry walls should be checked for moisture penetration and/or deterioration
NEW FLASHING FOR WALL SUPPORTED DECK

Sealant

Counterflashing (optional)

Elastomeric coating extend 2" min. above foam

Optional cant strip

Sprayed Polyurethane Foam 1" min.

New roof deck

Sheet metal sub-plate secured to deck only

NOTE:
This detail to be used only when the deck is supported by the wall

©SPFA 2012
HIGH WALL
REMEDIAL THROUGH WALL FLASHING

Through wall flashing (design varies)

Existing weep hole
DO NOT cover with foam or coating

Extend coating 2" above foam termination line

Elastomeric Coating
Spray Polyurethane Foam
1" minimum

Existing base flashing

Existing roof deck

©SPFA 2012
FLASHING FOR NEW, NON-WALL SUPPORTED DECK

- Metal reglet
- Counter flashing
- Flexible membrane elastomeric coating extended above foam 2" min.
- Sprayed polyurethane foam
- Existing new roof deck

**NOTE:**
Free height should be 8" above new roof surface

©SPFA 2012
NEW OR REMEDIAL SIDING OR HIGH WALL

Sheet metal flashing under siding

Elastomeric coating

Sprayed Polyurethane Foam

Existing roofing

©SPFA 2012
Voids at Detail
NEW & REMEDIAL ROOF EDGE

Optional V-Groove and caulk
Elastomeric coating double thickness to edge - optional
Sprayed-in place polyurethane foam

3/4" min
Existing metal cleat
Existing roof

NOTE: Spud clean existing BUR at edge to expose 3/4" min. gravel stop prime exposed gravel stop and secure as needed.

Height varies

New foam stop, bend per SMACNA specs, may be installed over sound existing metal edge for required height.

©SPFA 2012
NOTE:
Spud clean existing BUR at edge to expose 3/4" min. gravel stop
prime exposed gravel stop and secure as needed
NOTE:
i. Double coat edge and extend coating into gutter
FOAM SEPARATED FROM GRAVEL STOP
NEW OR REMEDIAL HOT STACK FLASHING

NOTE:
The metal sleeve and the clearance necessary will depend on the temperature of the material handled by the stack

©SPFA 2012
Runs and Sags
RAISED CURB DETAIL FOR ROOFTOP AIR HANDLING UNITS, SKYLIGHT, HATCH, SMOKE VENT CURB & DUCTS (JOB SITE CONSTRUCTION WOOD CURB)

Wood curb

Wood cant to brace curb

Sealing material
- Sheet metal flashing receiver

High-domed, capped, gasket fasteners

Removable sheet metal counter flashing

Elastomeric coating

Spray Polyurethane Foam 1" min. thickness

Roof deck

©SPFA 2012
RAISED CURB DETAIL FOR ROOFTOP AIR HANDLING UNITS, SKYLIGHT, HATCH, SMOKE VENT CURB & DUCTS (PREFABRICATED METAL CURB)

Optional: wood nailer

Sealing material
Prefabricated metal curb
Sheet metal receiving & removable counterflashing (optional)

Elastomeric coating

Sprayed Polyurethane Foam 1" min. thickness

Alternate curb bearing location for heavy weight loading conditions

Wood nailer
REMEDIAL AIR CONDITIONER TREATMENT

NOTE:
Pipe condensate to drain

4" x 4" treated wood support
Flexible membrane slip sheet
Elastomeric coating
Pipe support
Eliminate Ponding by:

- Additional Foam application - Crickets, slope to drains by building foam in low areas

- Channeling the foam through high points, to enhance drainage

©SPFA 2012
NEW OR REMEDIAL ROOF DRAIN

Elastomeric coating

Clamping ring set in sealant
Spray polyurethane foam tapered to drain

New or existing deck
Deck clamp

NOTE:
Prior to seating clamping ring, set in sealant extend coating down into bowl

©SPFA 2012
TYPICAL ROOF DRAIN

NOTE:
Mask clamping ring prior to spray foam application
V-cut foam at clamping ring and apply sealant

©SPFA 2012
Scupper Detail
SKYLIGHT, HATCH OR SMOKE VENT CURB

- Double dome skylight
- Extruded aluminum frame with weep holes
- Fasteners approx. 8" O.C.
- Metal counterflashin
- Elastomeric coating
- Sprayed-in-place polyurethane foam

NOTE:
On skylights, do not cover weep holes with polyurethane foam or coating

©SPFA 2012
Skylights

Terminate SPF below weep holes.
FLAT ROOF TO SHINGLE TIE IN

Note:
Sprayed polyurethane foam must be applied beneath the base sheet
REMEDIAL EXPANSION JOINT

8" Minimum

Flexible Membrane

Spray Polyurethane Foam to edge of membrane

Elastomeric coating

Existing Roofing
REMEDIAL AREA DIVIDER

NOTE:
This area divider is designed simply to separate the existing roof system from the new sprayed-in-place polyurethane foam roof.

Existing roof

Fasteners approx. 24" on centers

Elastomeric coating

Spray Polyurethane Foam

Existing roof
WATER STOP

- Elastomeric coating extended beyond foam
- Sprayed Polyurethane Foam
- Spud BUR tie-in area to receive foam & coating
- Prepare BUR surface per normal requirements
- Fasten BUR securely to deck

NOTE:
This detail to be used when terminating a spuf roof onto a BUR roof.
Phasing

- The application of SPF on one day and tying back into it at a later date.
- The transition area must be properly protected from UV degradation and contamination until the SPF application can continue.
- When the application continues make sure there is no moisture present.

©SPFA 2012
GOOD WORKMANSHIP
Final Job Walk

Check Details

Check Roof Edge Details