# DETAIL DRAWING INDEX

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A/C UNIT CURB

1. SUBSTRATE
2. FULL PLATFORM MIN. 2 x 8 CONSTRUCTION
3. EXISTING ROOF
4. NCFI SPRAYED POLYURETHANE FOAM
5. ENDURATECH COATING SYSTEM
6. MINIMUM ¾” PLYWOOD PLATFORM TOP
7. METAL PAN FLASHING FASTENED WITH SHEET METAL SCREWS AND NEOPRENE WASHERS
DRAINING EDGE DETAIL
EDGE & CORNER COATING DETAIL

Corners: Coat in 10 ft. radius half coating thickness (one coat). Cover with gravel.

Details: Coat 12 in. onto horizontal surface full coating thickness (2 or 3 coats). Cover with gravel.

Non-Draining Edges: Coat in 12 in. full coating thickness (2 or 3 coats). Cover with gravel.

Draining Edges: Coat in 6 in. half coating thickness (one coat). Cover with gravel.
EDGE METAL WITH FLASHING & RAISED EDGE

1. SUBSTRATE
2. FASCIA
3. RAISED EDGE NAILER (DESIGN HEIGHT VARIES)
4. 24 GA. GALVANIZED EDGE METAL ATTACHED 4” ON CENTER
5. NCFI SPRAYED POLYURETHANE FOAM
6. ENDURATECH COATING SYSTEM
EQUIPMENT BASE FLASHING

1. REMOVE ALL COATING 1" AROUND CUT-OUT, MASK EXISTING FOAM TO PROTECT FROM OVERSPRAY. LAP NEW COATING ONTO OLD COATING MIN 2".
2. NCFI SPRAYED POLYURETHANE FOAM
3. ENDURATECH COATING SYSTEM
4. EQUIPMENT CURB BY OTHER
5. EXISTING FOAM ROOFING SYSTEM
6. ROOF DECK
7. TAPER 4" TO 6"
8. OLD BUR
EXPANSION JOINT WITH PREMANUFACTURED COVER

1. SUBSTRATE
2. NCFI SPRAYED POLYURETHANE FOAM
3. ENDURATECH COATING SYSTEM
4. MINIMUM 2” x 10” CURB
5. ANGLE BRACKET SECURES CURB TO SUBSTRATE WITH MECHANICAL FASTENERS
6. RUBBER EXPANSION JOINT COVER EXPAND-O-FLASH (MANVILLE OR EQUAL)
FLASHING AT PARAPET

Face of Parapet

EnduraTech Top Coat

1/2" MIN.

NCFI Polyurethane Foam

New or Existing Roof Deck

Primer or Vapor Retarder (if required)
FLUTED METAL DECKING

3/4” MINIMUM TAPE WIDTH BOTH SIDES

ADHESIVE TAPE

TOP COATING (ENDURATECH)

NCFI SPRAYED POLYURETHANE FOAM

NEW OR EXISTING ROOF DECK

* TAPE WIDTH MUST EXCEED FLUTE WIDTH BY 1 1/2”
1. SUBSTRATE (METAL DECKING)
2. 4” CANT STRIP
3. 5/8” GYSONM BOARD, IF REQUIRED FOR FIRE RATING
4. NCFI SPRAYED POLYURETHANE FOAM WITH ENDURATECH TOP COAT
5. 4” WIDE STRIP OF POLYESTER TAPE PRIMED AND COATED WITH 20 MILS OF WATERPROOFING COATING. TERMINATE 6” INTO FOAM ROOF SYSTEM. HOLD BACK 1” FROM EXTERIOR FACE OF PARAPET.
6. CONTROL DECK
MECHANICAL CURB

1. SUBSTRATE
2. ENDURATECH COATING SYSTEM
3. NCFI SPRAYED POLYURETHANE FOAM
METAL EDGE DETAIL

1. ENDURATECH COATING SYSTEM
2. FOAMED SEAMLESS INSULATION MEMBRANE
3. APPROVED CAULK
4. FASTEN 3” O.C. STAGGERED
5. P.T. WOOD NAILER
6. ROOF DECK
7. METAL FOAM STOP
8. CONTINUOUS METAL CLEAT
9. WALL
1. SHEET METAL PARAPET
2. CONTINUOUS SHEET MEMBRANE CLOSURE
3. CONTINUOUS TAPERED WOOD SHIM (E.G. BEVELED CEDAR SIDING)
4. HIGH-DOMED, CAPPED GASKETED FASTENERS (APPROX. 18" [457mm] O.C. DEPENDING UPON WIND ZONE AND LOCAL CONDITIONS)
5. CONTINUOUS CLEAT
6. ENDURATECH COATING SYSTEM
7. NCFI SPRAYED POLYURETHANE FOAM
8. ROOF DECK
MOISTURE RELIEF VENT

1. Substrate
2. Rigid Board Insulation
3. Built-up Roof Gravel Surfaced
4. Gravel Surface Removed Minimum 4" beyond Flange of Vent
5. One Way Moisture Relief Vent "Ballard Type"
6. Removed Insulation Board and Built-up Roof Down to Sunstrate
7. Cement Vent to BUR with Mastic or Mechanically Attach to Substrate
8. NCFI Sprayed Polyurethane Foam
9. EnduraTech Coating System
NON-DRAINING EDGE DETAIL

- Enduratech Coating Extended 12" from Edge
- Optional Enduratech Tack Coat
- 3/4" or 1" Thickness Gravel
- Existing or New Roof Deck
- 1-1/2" or 2" Thickness NCFI Spray-Applied Polyurethane Foam
- 4-3/4" Min
- 7-1/4" Nom
- Face of Building
OVERFLOW FLASHING

1. SUBSTRATE
2. ROOF DRAIN OVERFLOW PIPE
3. ENDURATECH COATING (COATING MAY EXTEND INSIDE PIPE)
4. NCFI SPRAYED POLYURETHANE FOAM
5. SCREEN / GUARD
PARAPET WALL WITH COPING

1. SUBSTRATE
2. NCFI SPRAYED POLYURETHANE FOAM
3. ENDURATECH COATING SYSTEM
4. TREATED WOOD NAILER MECHANICALLY ATTACHED TO TOP OF PARAPET
5. 22 GA. GALVANIZED CLEAT MECHANICALLY ATTACHED TO WOOD NAILER
6. 24 GA. GALVANIZED STANDING SEAM COPING
7. FASTENER WITH NEOPRENE / LEAD GASKET
PARAPET WALL WITH COUNTERFLASHING

1. SUBSTRATE
2. NCFI SPRAYED POLYURETHANE FOAM
3. ENDURATECH COATING SYSTEM
4. GALVANIZED STUCCO ‘Z’ FLASHING
5. UNDERLAYMENT
6. STUCCO
PIPE PENETRATION

1. SUBSTRATE
2. PIPES (PRIME BEFORE APPLYING SPI)
3. 24 GA. GALVANIZED STANDARD G.I. FLASHING
4. NCFI SPRAYED POLYURETHANE FOAM
5. ENDURATECH COATING SYSTEM
6. ENDURATECH COATING TO EXTEND A MINIMUM 2” BEYOND INSULATION TERMINATION
1. SUBSTRATE
2. DECK SUPPORTED VENT STACK (PRIME BEFORE APPLYING SPI)
3. ENDURATECH COATING SYSTEM
4. NCFI SPRAYED POLYURETHANE FOAM

NOTE: VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12" OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING
RAISED CURB DETAIL

1. NCFI SPRAYED POLYURETHANE FOAM
2. PREFABRICATED METAL CURB
3. OPTIONAL: WOOD NAILER
4. OPTIONAL: SHEET METAL RECEIVER AND REMOVABLE COUNTERFLASHING
5. SEALING MATERIAL MUST BE CONTINUOUS FULL PERIMETER
6. 1" (25mm) MINIMUM BELOW TOP OF CURB
7. BASE OF UNIT EXTENDS ½" (13mm) MINIMUM BEYOND TOP OF CURB
8. MECHANICAL UNIT, HOOD, ETC.

- THE CURB, WOOD NAILER, AND SEAL STRIP ARE TO BE SUPPLIED BY THE CURB MANUFACTURER
- ATTACH NAILER TO DECK WITH SUITABLE FASTENERS
- WHEN POSSIBLE, THE MECHANICAL UNITS SHOULD NOT BE SET UNTIL THE ROOF SYSTEM HAS BEEN INSTALLED
ROOF DECK

1. CONCRETE DOUBLE TEE
2. CONTINUOUS 6" WIDE SINGLE PLY STRIP, 5,000 W.R. GRACE OR EQUAL
3. R-30, 4" MINIMUM NCFI POLYURETHANE FOAM
4. ENDURATECH COATING SYSTEM
ROOF DRAIN

Strainer
Clamping Ring
Sealant
Top Coating (EnduraTech)
Deck Clamp
New or Existing Roof Deck
NCFI Sprayed Polyurethane Foam Tapered 24" Down to Drain
1. SUBSTRATE
2. NCFI SPRAYED POLYURETHANE FOAM
3. ENDURATECH COATING SYSTEM
4. POLYESTER FABRIC
5. JOISTS
6. 3” BACKER ROD WITH 1” BACKER ROD EACH SIDE
ROOF HATCH

Hold Roof Hatch Min. 18” from Parapet Wall

1. Roof hatch provide padlock (L.C.B.O.)
2. NCFI Sprayed Polyurethane Foam
3. EnduraTech Coating
4. See structural drawings for roof openings
5. STL ships ladder
SCUPPER DETAIL

- Plywood
- 4" Over Lap Sleeve with Tech Guard
- Metal Sleeve Continuous
- Enduratech Top Coat
- Continuous Sealant
- Return Sleeve 2" at Edges
- 12" x 6" Scupper
- 1" Lip at Bottom
- Existing or New Roof Deck
SKYLIGHT CURB
(STEEL FRAMING)

1. SUBSTRATE
2. SKYLIGHT LENS AND FRAME ASSEMBLY ATTACHED CURB
3. 2 x 12 WD CURB
4. NCFI SPRAYED POLYURETHANE FOAM
5. ENDURATECH COATING SYSTEM
6. STL PERIMETER ANGLE PER STRUCTURAL
7. 4" CANT STRIP
1. SUBSTRATE
2. DOUBLE DOME CURB MOUNT SKYLIGHT ASSEMBLY
3. INTERIOR DRYWALL
4. NCFI SPRAYED POLYURETHANE FOAM
5. ENDURATECH COATING SYSTEM
6. BITUTHENE 5000 SELF ADHERING WATERPROOF 60 MIL SHEETING OVER WOOD CURB SIDES AND TOP
1. MASK EXISTING FOAM TO PROTECT FOAM. OVERSPRAY LAP NEW COATING ONTO OLD COATING MIN. 2” PRIME AS REQUIRED
2. NCFI SPRAYED POLYURETHANE FOAM
3. ENDURATECH COATING SYSTEM
4. OLD SUBSTRATE
5. EXISTING FOAM ROOFING SYSTEM
6. ROOF DECK
7. TAPER 4” TO 6”
8. REMOVED ALL WET OR LOOSE FOAM TO SUBSTRATE
STANDARD EDGE WITH METAL FLASHING

1. SUBSTRATE
2. FASCIA
3. 24 GA. GALVANIZED EDGE METAL ATTACHED 4 INCH ON CENTER
4. MINIMUM 22 GA. GALVANIZED GUTTER GRADED (OPTIONAL)
5. NCFI SPRAYED POLYURETHANE FOAM
6. ENDURATECH COATING SYSTEM
UNDERLAYMENT FASTENER PATTERN

(DIMENSIONS IN INCHES)
FLASHING AT PARAPET

TWO LAYERS VAPOR PAPER
(#15 FELT BITUTHENE)

FOAM BOARD
STUCCO
WEENING J METAL

TOP COAT  ½" MIN

ONE LAYER VAPOR PAPER
FOAM BOARD
STUCCO

NCFI POLYURETHANE FOAM

NEW OR EXISTING ROOF

PLYWOOD