

# **ROOFING SYSTEM**

COPING PER SPECIFICATION

SMOOTH CONCRETE WALL,

SMOOTH SURFACE SUBSTRATE

ROOF MEMBRANE EDGE SEALANT

OR ANY "JM APPROVED"

GLASS FACED GYPSUM

- 1-1/2" MIN. HEAT WELD

(MECHANICALLY FASTENED)

CMU WALL, BRICK WALL,

i.e., PLYWOOD,

(IF FIELD CUT)

ROOF MEMBRANE

THIS DETAIL IS ALSO SUITABLE FOR

TERMINATION OF FLEECE BACKED MEMBRANES. NON FLEECE BACK

MEMBRANE IS REQUIRED FOR WALL

FLASHINGS.

GROMMETTED SCREWS 18"O.C.

TPO MEMBRANE FULLY ADHERED

SPECIFICATION

ROOF-

FULLY

MEMBRANE

ADHERED

FASTENERS :

FASTENED PER

FASTENED AS

SPECIFIED

ROOF —

MEMBRANE

BONDING

**ADHESIVE** 

MIN.  $1/2^{*}$ 

MEMBRANE

MEMBRANE

12" O.C.

ROOF BOARD

ROOF DECK

CAULK

POLYRETHANE

TERMBAR WITH -

FASTENERS @ 16" O.C.

PERMITER FASTENING —

MECHANICAL FASTENERS

DENSDECK 1/2" PRIME

POLYISO BOARD INSULATION -

**ROOFING SYSTEM** 

ABOVE TERM /

12" O.C.

"SMACNA"

CLEAT -

BACK OF VIEW COPING

- 1. MANUFACTURERS AND PRODUCTS: A. DURO-LAST PVC ROOFING SYSTEM
- B. JM-PVC. REFER TO JOHNS MANVILLE WEBSITE (www.jm.com) FOR MOST UP-TO-DATE INFORMATION. NO SUBSTITUTIONS ALLOWED
- 2. SPECIFIED ROOFING SYSTEMS (AS SHOWN):
- HEAT-WELDABLE SINGLE-PLY 50 MIL PVC ROOFING SYSTEM, INSTALLED OVER RIGID INSULATION ON WOOD ROOF DECK HAVING A SLOPE OF 3/8"/FT. MATERIALS SHALL BE AS FOLLOWS:
- A. SINGLE-PLY ROOFING SYSTEM AS MANUFACTURED BY MANUFACTURER LISTED ABOVE TO COMPLY WITH ASTM E 108 OR
- UL 790, ASTM D-6878, AND FMG I-90 FOR WIND UPLIFT. B. FASTENERS: METAL FASTENERS AND PLATES AS PER MANUFACTURER.
- C. ACCESSORIES: PRE-FABRICATED CURBS, FLASHING, CORNERS, TERMINATION BARS, PIPE FLASHING, VENT FLASHING ETC. AS PER MANUFACTURER.
- D. PLEASE SEE SINGLE-PLY FLASHING SPECIFICATIONS FOR A FULL DESCRIPTION OF INSTALLATION INSTRUCTIONS AND REQUIREMENTS WHICH ARE CONSIDERED A PART OF THIS DETAIL.
- ANY CARPENTRY OR METAL WORK SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS AND/OR PROJECT SPECIFICATIONS. THESE COMPONENTS SHOULD BE REVIEWED AND APPROVED BY A LICENSED DESIGN PROFESSIONAL. CONTACT MANUFACTURER FOR METAL OPTIONS TO BE INCLUDED WITHIN THE MANUFACTURER'S GUARANTEE.
- ROOF MEMBRANE EDGE SEALANT IS REQUIRED ON ALL CUT OR NON-ENCAPSULATED EDGES OF REINFORCED MEMBRANE. THIS INCLUDES FACTORY CUT MEMBRANE

### WALKWAYS:

- A. 30" WIDE WALKWAY ROLL, HOT AIR WELDED TO MEMBRANE.
- . PROVIDE WALKWAY FROM ROOF LADDER EXIT TO ALL ROOF TOP EQUIPMENT AS PER ROOF PLAN ABOVE.
- C. INSTALL WALKWAY ACCORDING TO WALKWAY PAD MANUFACTURER'S WRITTEN INSTRUCTION.

### RIGID INSULATION:

PROVIDE REQUIRED LAYERS OF POLYISOCYANURATE INSULATION W/ 1/2" "DENSDECK" COVER BOARD TO MEET A MINIMUM CONTINUOUS R-30 VALUE - THICKNESS AS REQUIRED. PROVIDE POSITIVE SLOPE TO ALL ROOF DRAINS. SEE ROOF PLAN. PROVIDE TOP LAYER PROTECTION MATERIAL AS PER MANUFACTURERS RECOMMENDATIONS. BOTTOM LAYER OF INSULATION TO HAVE INTEGRAL THERMAL BARRIER OR APPROVED ROOFING MANUFACTURER'S THERMAL UNDERLAYMENT SHEET. ASSEMBLY SHALL COMPLY WITH UL 1256 OR FMG 4450 AND ASTM C 1289, TYPE I OR II.

5. TAPERED INSULATION: PROVIDE TAPERED INSULATION AS REQUIRED FOR POSITIVE DRAINAGE TO ROOF DRAINS AS INDICATED PER ROOF PLAN ABOVE. 1/4" PER FOOT MIN. REQUIRED.

6. EXHAUST FANS: PROVIDE ADDITIONAL LAYER OF ROOF MEMBRANE AROUND EXHAUST FANS AS INDICATED PER ROOF PLAN ABOVE.

## **LEGEND**

LOW POINT

H.P. HIGH POINT

DIRECTION OF DRAINAGE

TRELLIS SYSTEM WITH ALUMINUM INFILL PANELS. SLOPE TO EDGE @1/4"PER FT.

## KEY NOTES

- c1 ALUMINUM CANOPY SYSTEM (COLOR: SEE ELEVATIONS)
- | c2 | ALUMINUM CANOPY SYSTEM (COLOR: SEE ELEVATIONS)
- LE ACCENT LIGHTING SEE ELEVATIONS & ELECTRICAL L1—LED LIGHT:
  - L1 = SLIM LED (DOWN ONLY)L2 = UP ONLY FLOOD FIXTURE
- MF METAL FASCIA COLOR: SEE ELEVATIONS FOR COLOR
- McDONALD'S SIGNAGE BY OTHERS UNDER SEPARATE PERMIT (SEE ELEVATIONS)
- SC INTERGRAL GUTTER SCUPPER

## ROOFING NOTES

- 1. SINGLE-PLY ROOFING SYSTEM WITH BASE FLASHING SHEET EXTENDING UP PARAPET AND TERMINATED UNDER COPING HOT WELDED TO SEALING STRIP SECURED TO WOOD BLOCKING
- INSTALLATION OF ROOFING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND PER DETAIL 2 OF THIS SHEET.
- PROVIDE PREFABRICATED METAL CURBS. COORDINATE SIZE, LOCATION AND INSTALLATION REQUIREMENTS W/ M, E, P & S SHEETS. PROVIDE SHIMS TO LEVEL CURB AREAS WHERE ROOF DECK IS PITCHED.
- 4. FOR EXACT LOCATION OF EXHAUST FANS, HVAC UNITS, AND ROOF HATCH. REFER TO STRUCTURAL DRAWINGS.
- CRICKETS MUST BE INSTALLED AT ALL ROOF CURBS & EQUIPMENT PLATFORMS BY GENERALCONTRACTOR.



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