

AREA 6
TOP OF ROOF APPROX 29'-0"
APPROX 700 SQ. FT. ADHERED
APPROX 300 SQ. FT. BALLASTED

REMOVE EXISTING BALLASTED AND ADHERED EPDM MEMBRANE. EXISTING INSULATION TO REMAIN. REMOVE WATER DAMAGED INSULATION WHERE FOUND INSTALLING NEW POLYISO INSULATION INFILL TO MATCH EXISTING THICKNESS / PROFILE. REMOVE EXISTING PERIMETER WALL CAP TRIM.

ADHERED: INSTALL NEW EPDM MEMBRANE, 1/2" COVERBOARD AND NEW 1" POLYISO INSULATION OVER EXISTING INSULATION. ADHERE NEW EPDM MEMBRANE TO NEW 1/2" COVERBOARD MECHANICALLY FASTEN NEW 1/2" COVERBOARD AND 1" POLYISO INSULATION THROUGH EXISTING INSULATION TO EXISTING METAL DECK. INSTALL NEW PERIMETER FLASHING - SEE DETAILS. REWORK EXISTING INSULATION FOR NEW DRAINSET AT EXISTING ROOF DRAIN FOR POSITIVE DRAINAGE. REWORK EXISTING ROOF DRAINS AS REQUIRED FOR NEW INSTALLATION. BOLT ROOF DRAIN TO EXISTING METAL DECK ANGLES.

BALLASTED: INSTALL NEW BALLAST, LOOSE LAD EPDM MEMBRANE AND NEW 1 1/2" POLYISO INSULATION OVER EXISTING INSULATION. INSTALL NEW PERIMETER FLASHING. SEE DETAILS.

AREA 7
TOP OF ROOF APPROX 16'-0"
APPROX 1,600 SQ. FT.

REMOVE EXISTING EPDM MEMBRANE. EXISTING INSULATION TO REMAIN. REMOVE WATER DAMAGED INSULATION WHERE FOUND INSTALLING NEW POLYISO INSULATION INFILL TO MATCH EXISTING THICKNESS / PROFILE. REMOVE EXISTING PERIMETER WALL CAP TRIM.

INSTALL NEW EPDM MEMBRANE, 1/2" COVERBOARD AND NEW 1" POLYISO INSULATION OVER EXISTING INSULATION. ADHERE NEW EPDM MEMBRANE TO NEW 1/2" COVERBOARD MECHANICALLY FASTEN NEW 1/2" COVERBOARD AND 1" POLYISO INSULATION THROUGH EXISTING INSULATION TO EXISTING METAL DECK. INSTALL NEW PERIMETER FLASHING - SEE DETAILS. REWORK EXISTING INSULATION FOR NEW DRAINSET AT EXISTING ROOF DRAIN FOR POSITIVE DRAINAGE. REWORK EXISTING ROOF DRAINS AS REQUIRED FOR NEW INSTALLATION. BOLT ROOF DRAIN TO EXISTING METAL DECK ANGLES.

AREA 8
TOP OF ROOF APPROX 16'-0"
APPROX 600 SQ. FT.

REMOVE EXISTING EPDM MEMBRANE. EXISTING INSULATION TO REMAIN. REMOVE WATER DAMAGED INSULATION WHERE FOUND INSTALLING NEW POLYISO INSULATION INFILL TO MATCH EXISTING THICKNESS / PROFILE. REMOVE EXISTING PERIMETER WALL CAP TRIM.

INSTALL NEW EPDM MEMBRANE, 1/2" COVERBOARD AND NEW 1" POLYISO INSULATION OVER EXISTING INSULATION. ADHERE NEW EPDM MEMBRANE TO NEW 1/2" COVERBOARD MECHANICALLY FASTEN NEW 1/2" COVERBOARD AND 1" POLYISO INSULATION THROUGH EXISTING INSULATION TO EXISTING METAL DECK. INSTALL NEW PERIMETER FLASHING - SEE DETAILS. REWORK EXISTING INSULATION FOR NEW DRAINSET AT EXISTING ROOF DRAIN FOR POSITIVE DRAINAGE. REWORK EXISTING ROOF DRAINS AS REQUIRED FOR NEW INSTALLATION. BOLT ROOF DRAIN TO EXISTING METAL DECK ANGLES.

AREA 9
TOP OF ROOF APPROX 29'-0"
APPROX 21,800 SQ. FT.

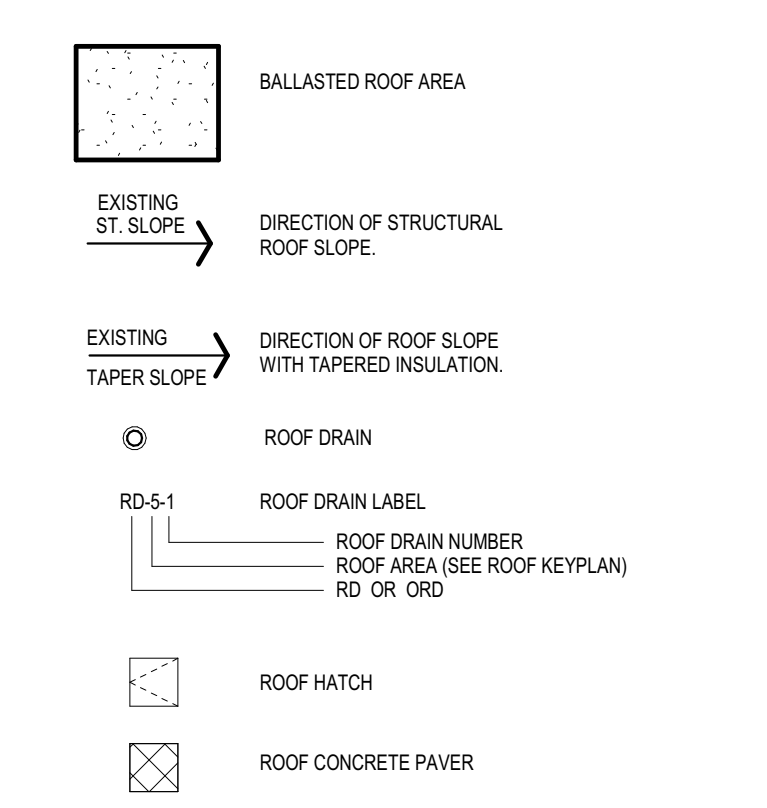
REMOVE EXISTING EPDM MEMBRANE. EXISTING INSULATION TO REMAIN. REMOVE WATER DAMAGED INSULATION WHERE FOUND INSTALLING NEW POLYISO INSULATION INFILL TO MATCH EXISTING THICKNESS / PROFILE. REMOVE EXISTING PERIMETER WALL CAP TRIM.

INSTALL NEW EPDM MEMBRANE, 1/2" COVERBOARD AND NEW 1" POLYISO INSULATION OVER EXISTING INSULATION. ADHERE NEW EPDM MEMBRANE TO NEW 1/2" COVERBOARD MECHANICALLY FASTEN NEW 1/2" COVERBOARD AND 1" POLYISO INSULATION THROUGH EXISTING INSULATION TO EXISTING METAL DECK. INSTALL NEW PERIMETER FLASHING - SEE DETAILS. REWORK EXISTING INSULATION FOR NEW DRAINSET AT EXISTING ROOF DRAIN FOR POSITIVE DRAINAGE. REWORK EXISTING ROOF DRAINS AS REQUIRED FOR NEW INSTALLATION. BOLT ROOF DRAIN TO EXISTING METAL DECK ANGLES.

GENERAL NOTES

- ROOF DETAILS
 - ROOF DRAIN - 1/4" O.D.
 - ROOF OVERFLOW DRAIN - 2/4" O.D.
 - ROOF DRAIN BALLASTED ROOF - 3/4" O.D.
 - PLUMBING TEST - 1/4" O.D.
 - STACK FLASHING - 5/4" O.D.
 - FASTENING ENHANCEMENT AT CORNER - 6/4" O.D.
 - ROOF CURB DETAIL - 7/4" O.D.
 - METAL COPING SPICE DETAIL - 8/4" O.D.
- REWORKING EXISTING NAILERS / BLOCKING TO REMAIN: CONTRACTOR TO FIELD VERIFY THE EXISTING NAILERS / BLOCKING WALL COMPLIANT TO MEET THE WIND UP LIFT CRITERIA. REMOVE ALL DAMAGED NAILERS / BLOCKING AND / OR INSTALL ADDITIONAL FASTENERS AS REQUIRED TO COMPLY.
- PROVIDE 1/2" TAPERED CRICKETS AT ALL ROOF HATCHES AND MECHANICAL ROOF PENETRATIONS UNLESS OTHERWISE NOTED. TAPER SHALL PROVIDE DRAINAGE AROUND HATCH AND EQUIPMENT.
- SEE SPECIFICATION FOR ROOFING SYSTEM TO BE USED AND ROOF PLAN FOR LOCATIONS OF TAPERED INSULATION AND OR SLOPE CHANGES OF ROOF.
- CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL SQUARE FOOTAGE VALUES NOTED ON PLANS.
- REWORK EXISTING ROOF DRAINS FOR NEW ROOF DRAINSETS. CUT / PATCH AND REPAIR EXISTING ROOF INSULATION FOR NEW DRAINSETS AS REQUIRED FOR SEAMLESS TRANSITION OF EXISTING INSULATION TO NEW DRAINSET FOR POSITIVE WATER FLOW TO ROOF DRAIN. REWORK EXISTING ROOF DRAINS AS REQUIRED. ROOF DRAINS TO BE ATTACHED TO EXISTING METAL ROOF FRAMING.
- SCUPPER LOCATIONS TO BE COORDINATED SO THAT THEY DO NOT APPEAR OVER DOORS, WINDOWS OR MECHANICAL LOUVERS.
- STANDARD ROOF ABBREVIATIONS
 - RD = ROOF DRAIN
 - ORD = OVERFLOW ROOF DRAIN
 - EF = EXHAUST FAN
 - IV = INTAKE VENT
 - RTU = ROOF TOP UNIT
 - RV = RELIEF VENT

LEGEND



DESIGN CRITERIA

ULTIMATE WIND SPEED (3 SEC. GUST)	120 mph
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT (icp)	0.18
COMPONENTS & CLADDING PRESSURE (psf):	
FLAT ROOFS (BASED ON 20 SF)	
LIFT WITHIN 18" OF CORNER	61 psf
LIFT WITHIN 18" OF EDGE	44 psf
LIFT INTERIOR	29 psf
COMPONENTS & CLADDING PRESSURE (psf):	
FLAT ROOFS (BASED ON 20 SF)	
LIFT WITHIN 18" OF CORNER	37 psf
LIFT WITHIN 18" OF EDGE	28 psf
LIFT INTERIOR	17 psf