

Mar 08, 2023 - 11:40am N:\Clients\A-F\City of Evansville\A-F\City of Evansville\23063A4-Hartke Pool Storm Damage\23063A4.dwg Plotted By: S(ETVAR,77)

PRODUCT SPECIFICATIONS:

FULLY ADHERED EPDM ROOF MEMBRANE:
BLACK EPDM, NON-REINFORCED 45 MIL THICK, FULLY ADHERED ROOFING MEMBRANE AS MANUFACTURED BY CARLISLE (BASIS OF DESIGN). INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS FOR A 15 YEAR WARRANTY. INCLUDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION (INSULATION, FASTENERS, ADHESIVES, SEALANTS, CLEANERS, TERMINATIONS, ETC.)

BASE BID ROOF INSULATION:
INSULBASE POLYISO, CLOSED-CELL POLYISOCYANURATE RIGID FOAM PANEL AS MANUFACTURED BY CARLISLE (BASIS OF DESIGN). 1 1/2" THICK, 25 PSI GRADE 3 BASE LAYER TO PROVIDE A MINIMUM R-VALUE OF 6. FULLY ADHERE WITH ADHESIVE IN FULL CONTACT TO CLEAN AND DRY CONCRETE DECK. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

ALTERNATE AA3 ROOF INSULATION:
INSULBASE POLYISO, CLOSED-CELL POLYISOCYANURATE RIGID FOAM PANEL AS MANUFACTURED BY CARLISLE (BASIS OF DESIGN). 3 1/2" THICK, 25 PSI GRADE 3 BASE LAYER TO PROVIDE A MINIMUM R-VALUE OF 20.5. FULLY ADHERE WITH ADHESIVE IN FULL CONTACT TO CLEAN AND DRY CONCRETE DECK, BUTT EDGES AND STAGGER JOINTS OF ADJACENT PANELS. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

FLUID APPLIED VAPOR BARRIER: NONE

THRU-WALL FLASHING:
THRU-WALL FLASHING TO BE TEXTROFLASH FLASHING, SELF ADHERING FLASHING BY HOHMANN & BARNARD, INC. 40 MIL THICK, 16" WIDTH WITH 3" STAINLESS STEEL DRIP PLATE AND TYPE 304 STAINLESS STEEL T1 TERMINATION BAR (BASIS OF DESIGN).

PRE-FORMED FLASHING CORNERS & END DAMS:
PRE-FORMED FLASHING STAINLESS STEEL CORNERS & END DAMS FOR INSIDE CORNERS, OUTSIDE CORNERS AND END DAMS AS MANUFACTURED BY HOHMANN & BARNARD, INC. (BASIS OF DESIGN).

JOINT SEALANT/CAULK:
THE FOLLOWING PRODUCTS ARE BASIS-OF-DESIGN FOR PRODUCT COMPARISON ONLY. PROVIDE PRODUCTS BY ONE OF THE FOLLOWING MANUFACTURERS, UNLESS NOTED OTHERWISE:

DAP PRODUCTS AND RPM COMPANY
DOW CORNING CORPORATION
SIKA CORPORATION, INC.
TREMCO

JOINT SEALANTS/CAULKS SHALL BE ALEX PLUS, ACRYLIC LATEX CAULK PLUS SILICONE. COLOR SHALL MATCH OR BLEND WITH THE SURFACES BEING CAULKED. JOINT SEALANT/CAULK SHALL BE MULTI-PURPOSE, HIGHLY FLEXIBLE, AND DURABLE WITH AN EXCELLENT ADHESION. JOINT SEALANT/ CAULK SHALL BE PAINTABLE, SHALL HAVE A 35 YEAR DURABILITY GUARANTEE, AND SHALL MEET OR EXCEED ASTM SPECIFICATION C 834. PROVIDE BACKER RODS AND PRIMERS WHERE REQUIRED.

ALTERNATE AA2:
FULLY ADHERED TPO ROOF MEMBRANE:
TPO, NON-REINFORCED 45 MIL THICK, FULLY ADHERED ROOFING MEMBRANE. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS FOR A 15 YEAR WARRANTY. INCLUDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION (INSULATION, FASTENERS, ADHESIVES, SEALANTS, CLEANERS, TERMINATIONS, ETC.).

ROOF DEMOLITION
PLAN KEYNOTES:

- REMOVE DAMAGED ROOF VENTILATORS, FLASHING, ROOF INSULATION, VENTS, ETC. AND BALANCE OF MEMBRANE ROOFING IN ACCORDANCE WITH INSURANCE DOCUMENT. CLEAN AND PREP EXISTING CONCRETE DECK AS REQUIRED TO RECEIVE NEW ROOF SYSTEM.
- REMOVE BALANCE OF DAMAGED EDGE AND SIDE WALL FLASHING AND NAILER BOARDS, ETC. AS REQUIRED TO RECEIVE NEW ROOF AND EDGE SYSTEMS.

INSTALL ALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INTENDED APPLICATION.

ROOF PLAN KEYNOTES:

- PROVIDE AND INSTALL 1 1/2" POLYISOCYANURATE INSULATION BOARD OVER EXISTING CLEAN AND DRY CONCRETE ROOF DECK. PROVIDE AND INSTALL NEW 45 MIL, FULLY ADHERED EPDM ROOF MEMBRANE, IN ACCORDANCE WITH INSURANCE DOCUMENT.
- PROVIDE AND INSTALL NEW DOME TYPE CENTRIFUGAL POWERED EXHAUST FAN SIMILAR TO DAMAGED UNIT IN ACCORDANCE WITH INSURANCE DOCUMENT. VERIFY QUANTITY PRIOR TO BIDDING.
- PROVIDE AND INSTALL NEW FURNACE VENT, RAIN CAP, AND STORM COLLAR, IN ACCORDANCE WITH INSURANCE DOCUMENT. VERIFY QUANTITY PRIOR TO BIDDING.
- PROVIDE AND INSTALL NEW DRAIN WITH BASKET. SLOPE TO DRAIN - MATCH ORIGINAL CONDITIONS IN ACCORDANCE WITH INSURANCE DOCUMENT. VERIFY QUANTITY PRIOR TO BIDDING.
- PROVIDE AND INSTALL TREATED WOOD NAILERS/CANT STRIP AS REQUIRED TO REBUILD ROOF EDGE TO ORIGINAL CONDITION.
- PROVIDE AND INSTALL NEW PERIMETER FLASHING - MATCH ORIGINAL SHAPE, COLOR, AND FINISH (ANODIZED ALUMINUM).
- NEW MEMBRANE FLASHING ON PARAPET WALL, IN ACCORDANCE WITH INSURANCE DOCUMENT.
- REPLACE DAMAGED CONDENSING UNIT WITH LIKE MAKE AND MODEL TO RESTORE FACILITY TO PRE-STORM CONDITION. EXISTING CONDENSING UNIT IS A 5 TON, AIR COOLED UNIT MANUFACTURED BY AMERICAN STANDARD USING R-410A REFRIGERANT. UNIT REQUIRES 208/230V - 1 PHASE - 60HZ POWER WITH 35A MIN AMPACITY AND 60A BREAKER.
- REPLACE DAMAGED AND/OR MISSING ROOF VENTS, WHERE APPLICABLE, IN ACCORDANCE WITH INSURANCE DOCUMENT. VERIFY QUANTITY PRIOR TO PLACING BID.
- EXISTING MEMBRANE ROOF SYSTEM TO REMAIN.
- APPROXIMATE LIMITS OF ALTERNATE AA3 - CONDITIONED SPACE BELOW.

LEGEND:

EXISTING CONDITION TO REMAIN
CONSTRUCTION KEYED NOTE
RD ROOF DRAIN
VTR VENT THROUGH ROOF

GENERAL ROOF PLAN NOTES:

- VERIFY NUMBER OF ROOF PENETRATIONS, ROOF DRAINS, VENTS, EXHAUST FANS, FLUES, ETC WITH ALL DISCIPLINES AND SYSTEMS.
- EXTEND TOP OF ALL VENTS A MINIMUM OF 1'-0" ABOVE FINISHED ROOF.
- THE SLOPE OF THE ROOF SHALL BE A MINIMUM 1/4" PER FOOT, UNLESS NOTED OTHERWISE.
- ALL FLASHING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S STANDARDS AND DETAILS. MAINTAIN A 1'-0" MINIMUM TOP OF FLASHING ABOVE FINISHED ROOF.

NOTE: CONTRACTOR SHALL VERIFY QUANTITY OF DAMAGED ROOFTOP OPENINGS AND DEVICES PRIOR TO PLACING BIDS.

ALTERNATE AA1: NOT USED IN BID SET.

ALTERNATE AA2: PROVIDE AND INSTALL 45 MIL TPO ROOF MEMBRANE IN LIEU OF EPDM MEMBRANE.

NOTE: SOUTH PORTION OF ROOF LOCATED ABOVE LOUNGE, EAST STORAGE, AND WEST STORAGE ARE CONSIDERED CONDITIONED SPACES PER THE INDIANA ENERGY CODE, THIS PORTION OF ROOF REQUIRES 3.5" MINIMUM OF CONTINUOUS POLYISOCYANURATE INSULATION.

ALTERNATE AA3: PROVIDE AND INSTALL MINIMUM 3.5" OF POLYISOCYANURATE CONTINUOUS ROOF INSULATION OVER LOUNGE, EAST STORAGE, AND WEST STORAGE, IN ACCORDANCE WITH THE INDIANA ENERGY CODE, ASHRAE 90.1-2007, IN LIEU OF ORIGINAL 1.5" THICK INSULATION. MODIFY ROOF EDGE CONSTRUCTION AS REQUIRED TO MAINTAIN EQUAL HEIGHT/APPEARANCE AROUND PERIMETER OF ROOF. USE TAPERED INSULATION AS REQUIRED TO TRANSITION BETWEEN INSULATION THICKNESS / ROOF LEVELS.



THREE i DESIGN
ENGINEERING + ARCHITECTURE
WWW.THREEDIIGN.COM EVANSVILLE, IN 812-423-5600

REV	DATE	BY	ITEM
A	02/28/23	MRB	ISSUED FOR REVIEW
B	03/07/23	MRB	ISSUED FOR BID
C	03/08/23	MRB	ISSUED FOR BID W/ CHANGES - ADDENDA 1

HARTKE POOL INSURANCE REMEDIATION
CITY OF EVANSVILLE
201 N BOEKE RD, EVANSVILLE, IN 47711

ROOF PLAN

DRAWN BY: AWM
CHECKED BY: MRB
DESIGNED BY: MRB
DATE: 02/24/23

SCALE: 1/8" = 1' - 0"

PROJECT NUMBER: 23063A

SHEET NO:

A4
5 of 5

BID
03/07/23

ROOF PLAN
SCALE: 1/8" = 1'-0"