

December 8, 2010

**CITY OF MILWAUKEE**  
**DEPARTMENT OF PUBLIC WORKS**  
**MILWAUKEE WATER WORKS**

**ADDENDUM NO. 1**

The purpose of this addendum is to provide updated information to supersede and change the following sections of the specifications for HP-176.

1. **Section 01010, SUMMARY OF WORK, PART 1 – SCOPE OF THE CONTRACT, WORK COVERED IN THE CONTRACT DOCUMENTS, B, 5:**  
  
REMOVE     “a) Single-ply vapor barrier set in Type III asphalt”  
  
INSERT       “a) Mechanically fastened base sheet covered by a single-ply vapor barrier set in Type III asphalt.”
  
2. **Section 01010, SUMMARY OF WORK, PART 1 – SCOPE OF THE CONTRACT, WORK COVERED IN THE CONTRACT DOCUMENTS, B, 5:**  
  
REMOVE     “b) 3” polyisocyanurate insulation set in Type III asphalt.”  
  
INSERT       “b) 4” polyisocyanurate insulation set in Type III asphalt.”
  
3. **Section 01010, SUMMARY OF WORK, PART 1 – SCOPE OF THE CONTRACT, WORK COVERED IN THE CONTRACT DOCUMENTS, B:**  
  
REMOVE     "7. Remove and reinstall metal coping cap on the Chemical Building & Penthouse parapet wall perimeter, and furnish & install counter-flashing, as detailed in the Contract Drawings."  
  
INSERT       "7. Reuse metal coping cap on the Chemical Building & Penthouse parapet wall perimeter, and furnish & install counter-flashing, as detailed in the Contract Drawings.”

December 8, 2010

4. **Section 02050, DEMOLITION, PART 2 – EXECUTION, 2.02 DEMOLITION:**

REMOVE "D. ASBESTOS - The plastic cement used in the existing BUR system most likely contains asbestos.

The CONTRACTOR is responsible for and shall take any and all precautions necessary for the safe removal of the existing BUR system that contains asbestos. The removal plan shall be submitted to and approved by the CITY."

INSERT "D. ASBESTOS – Testing for asbestos was performed on the Chemical Building roof and canopies. Test results on the roof were found to be negative, however, asbestos was found in the flashing and membrane materials on the canopies.

The CONTRACTOR is responsible for and shall take any and all precautions necessary for the safe removal and disposal of the existing roof systems that contain asbestos. The removal plan shall be submitted to and be approved by the CITY."

5. **Section 07220, ROOF DECK AND INSULATION, PART 2 – PRODUCTS, 2.02 INSULATION MATERIALS, A:**

REMOVE "2. Thickness: Minimum 3-inches."

INSERT "2. Thickness: Minimum 4-inches."

6. **Section 07520, MODIFIED BITUMINOUS MEMBRANE ROOFING-HOT APPLIED, PART 2 – PRODUCTS, 2.02 DESCRIPTION, A:**

REMOVE "2. Vapor Barrier: Single-ply, ASTM D4601, Type II."

INSERT "2. Base Sheet: ASTM D2626, asphalt saturated-coated organic felt covered by Vapor Barrier: Single-ply, ASTM D4601, Type II."

7. **Section 07520, MODIFIED BITUMINOUS MEMBRANE ROOFING-HOT APPLIED, PART 3 – EXECUTION, 3.04 INSULATION INSTALLATION:**

REMOVE "B. Insulation: 3" layer of flat polyisocyanurate hot mopped in type III asphalt over vapor barrier. Fully adhere asphalt

Official Notice No. 144-2010  
Location: Howard Avenue Purification Plant  
HP-176: Administration Building Roof Replacement

December 8, 2010

impregnated high density wood fiberboard insulation in solid moppings of hot type III asphalt.”

INSERT "B. Insulation: 4” layer of flat polyisocyanurate hot mopped in type III asphalt over vapor barrier. Fully adhere asphalt impregnated high density wood fiberboard insulation in solid moppings of hot type III asphalt.”

8. **CONTRACT DRAWINGS:**

REMOVE HP-176-02

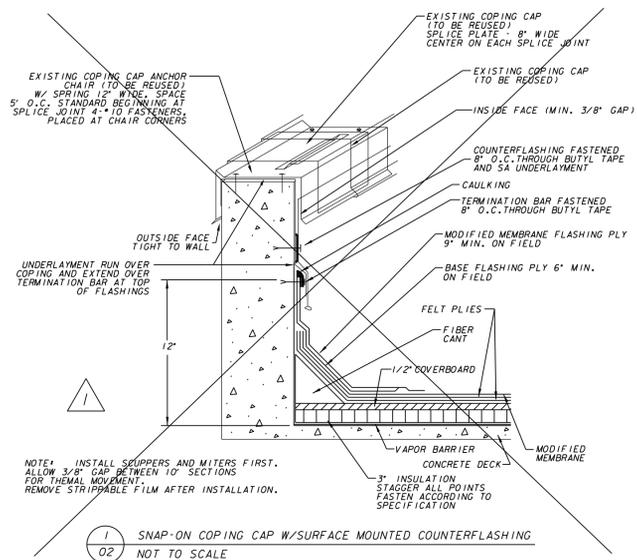
INSERT HP-176-02R1

9. **CONTRACT DRAWINGS:**

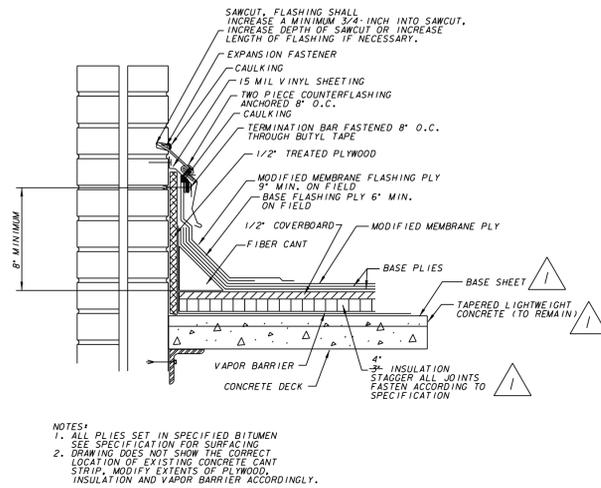
REMOVE HP-176-03

INSERT HP-176-03R1

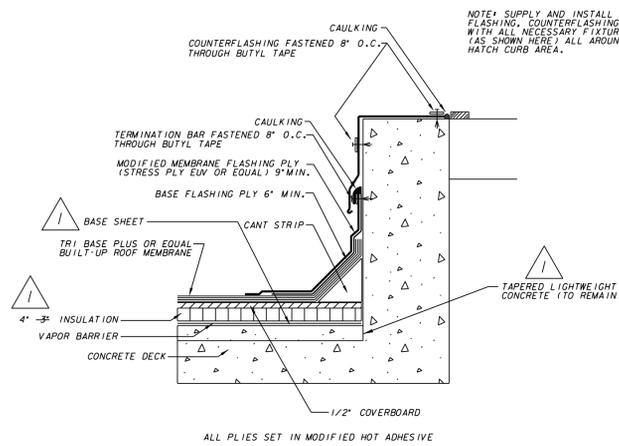
END OF ADDENDUM NO. 1



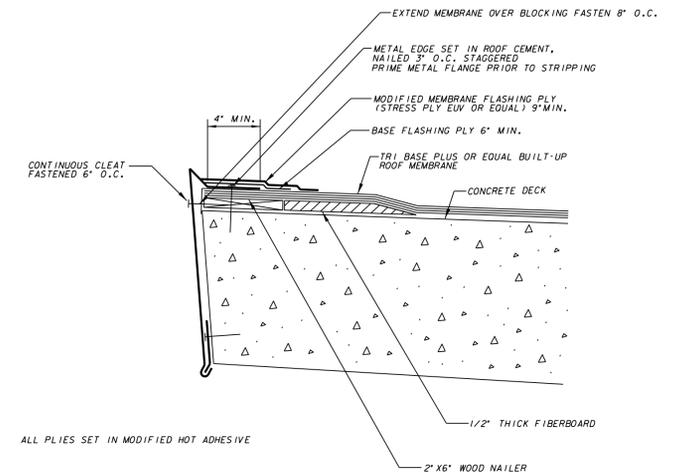
1  
02 SNAP-ON COPING CAP W/SURFACE MOUNTED COUNTERFLASHING  
NOT TO SCALE



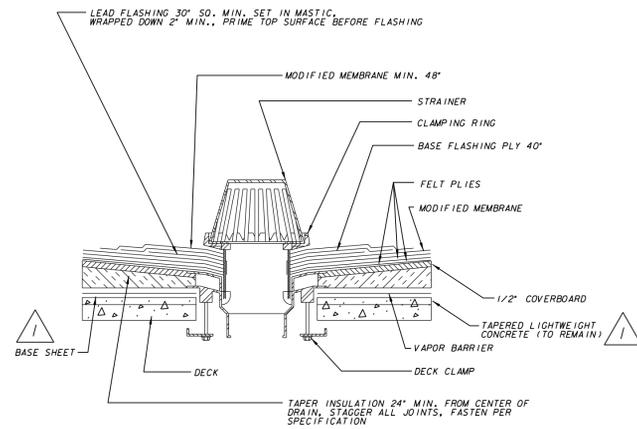
2  
02 TWO PIECE REGLET MOUNTED COUNTERFLASHING - ROOF  
NOT TO SCALE



3  
02 CURB DETAIL  
NOT TO SCALE

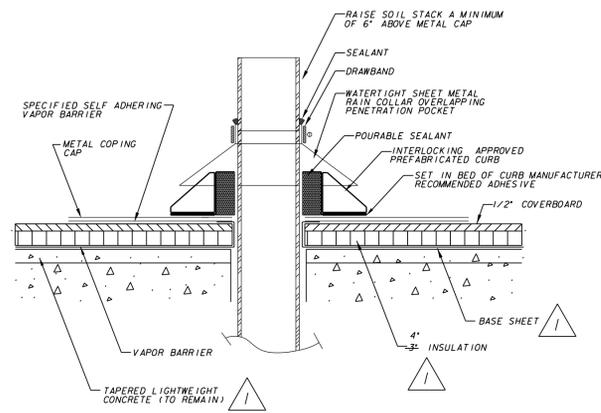


4  
02 METAL EDGE SECTION - CANOPY  
NOT TO SCALE

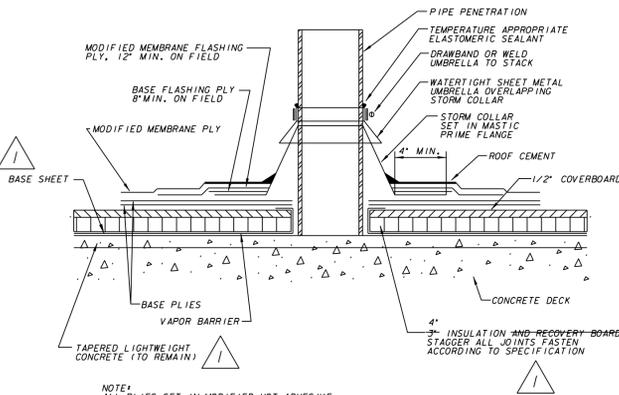


5  
02 ROOF DRAIN - TYPICAL  
NOT TO SCALE

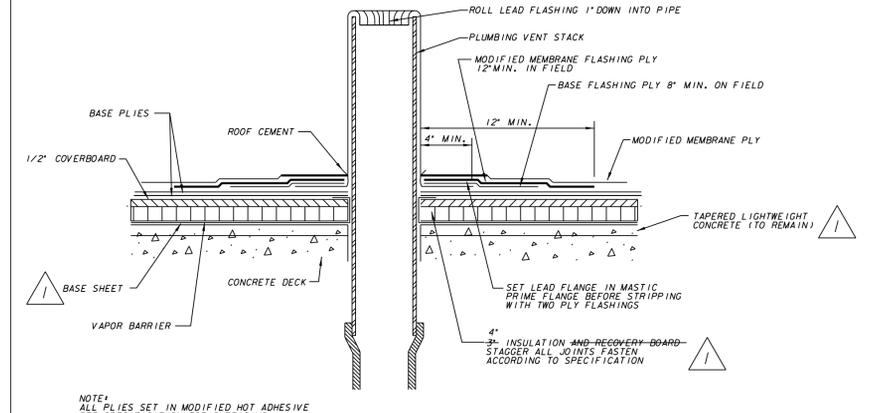
NOTE: REPAIR OR REPLACE DRAIN PARTS,  
 AS NECESSARY.



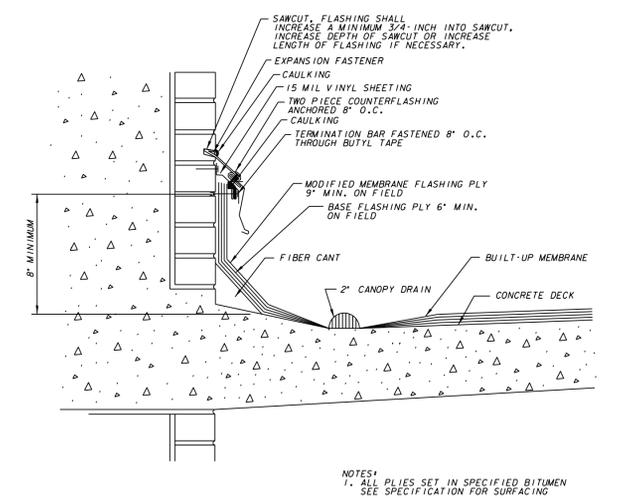
6  
02 PITCH POCKET  
NOT TO SCALE



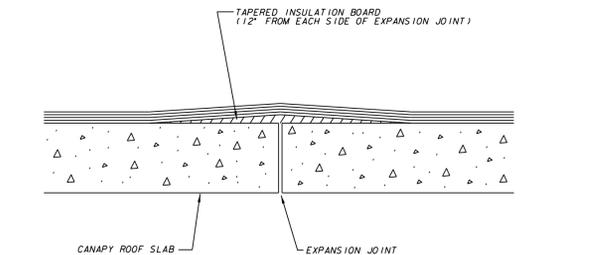
7  
02 SUPPORT STAND  
NOT TO SCALE



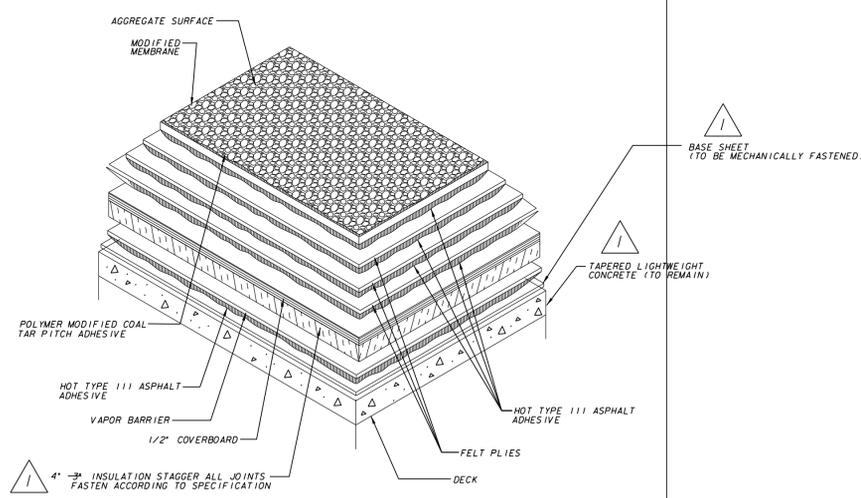
8  
02 PLUMBING STACK  
NOT TO SCALE



9  
02 TWO PIECE REGLET MOUNTED COUNTERFLASHING - CANOPY  
NOT TO SCALE



10  
02 CANOPY DETAIL - EXPANSION JOINT  
NOT TO SCALE



11  
02 BUILT-UP ROOF - TYPICAL  
NOT TO SCALE

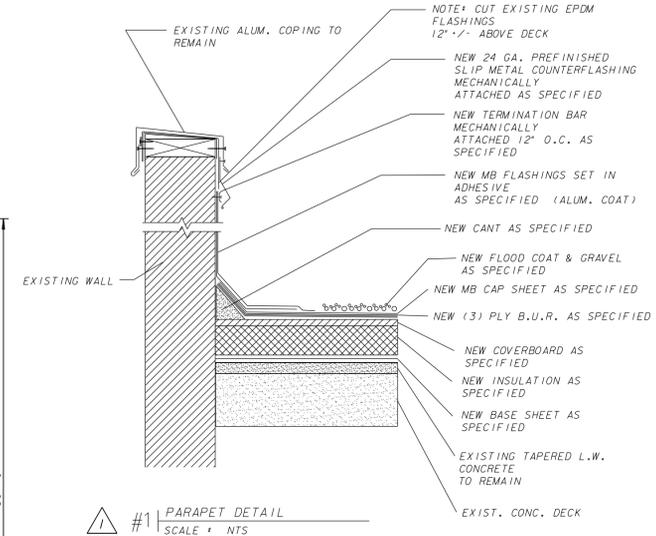
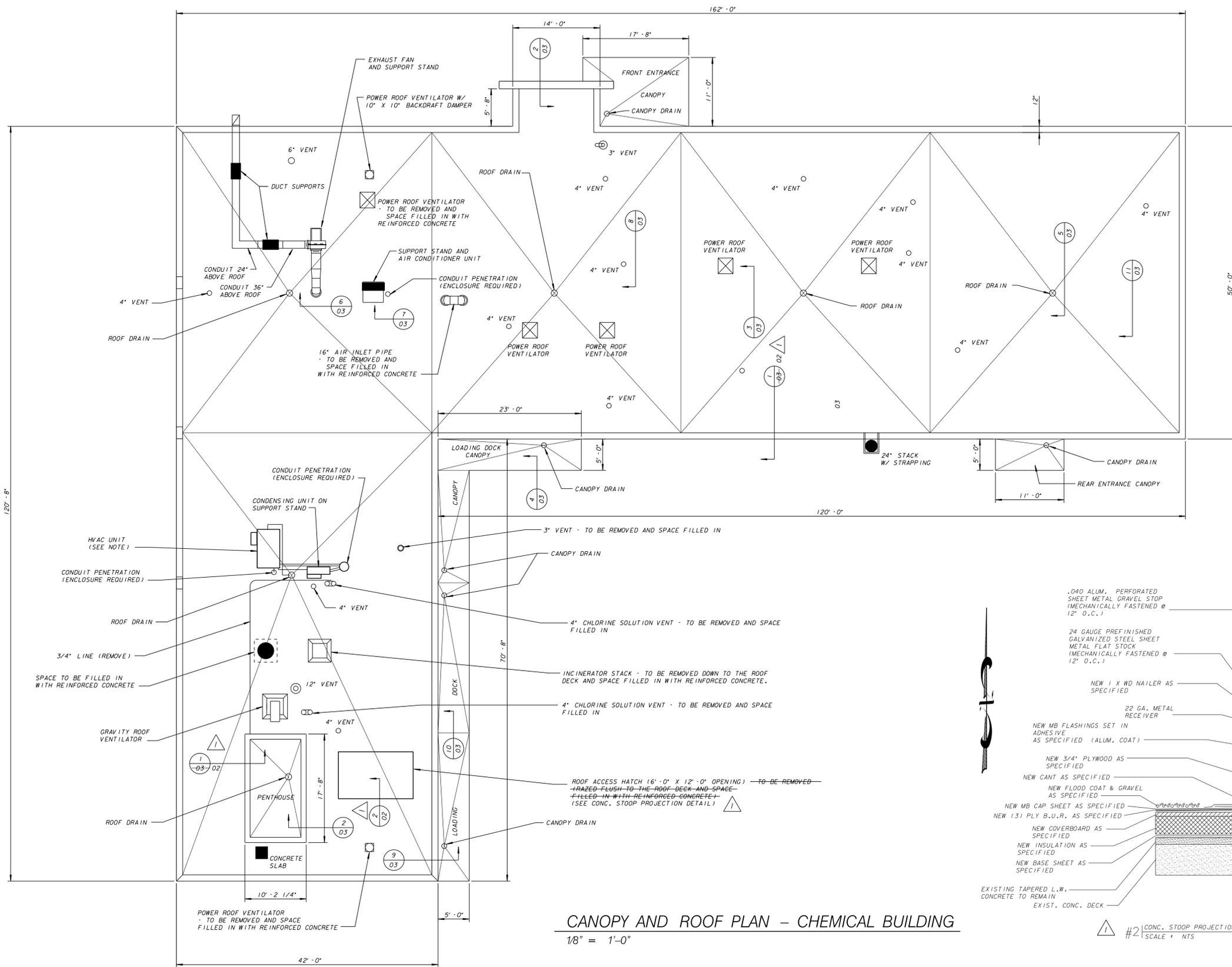
NO.	BY	REVISION	DATE
1	PJG	FOR ADDENDUM NO. 1	12-8-2010

**Milwaukee Water Works** Water Engineering  
 Department of Public Works  
**HOWARD AVENUE PURIFICATION PLANT**

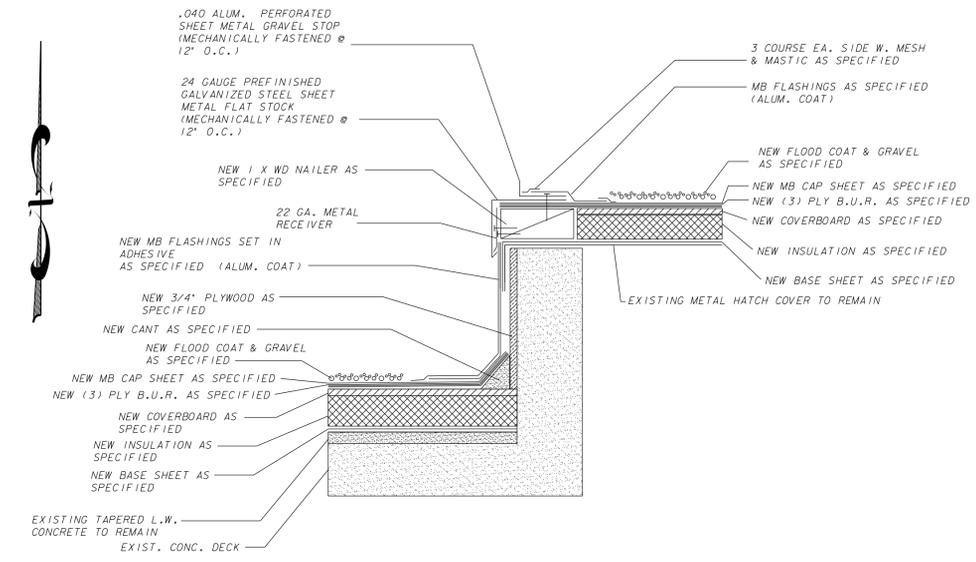
**ADMINISTRATION BUILDING ROOF REPLACEMENT**  
**ROOF DETAILS**

DESIGNED BY	P.J.G.	APPROVED	DATE
DRAWN BY	J.F.S.	ANTHONY J. SUPINSKI	11/3/10
CHECKED BY	P.J.G.	DINAH G. GANT	11/3/10
DATE	10-27-2010	CARRIE LEWIS	11/3/10
SCALE	AS SHOWN	SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS	
WORK ORDER	WT450093100		
OFFICIAL NOTICE	144-2010		
FILE NO.	B-12-2		

DRAWING NO. **HP-176-03R1**



- NOTES:**
- REMOVE AND DISPOSE OF THE EXISTING EPDM SHEET MEMBRANE AND UNDERLYING BUILT-UP ROOFING SYSTEM, INCLUDING INSULATION, CANT STRIPS, FLASHING ETC.
  - FURNISH AND INSTALL A COMPLETE, HOT APPLIED ASPHALT BUILT-UP ROOFING SYSTEM.
  - PARAPET CAPPING (ROOF AND PENTHOUSE) TO BE REUSED ~~REMOVE AND RE-INSTALL~~
  - REMOVE AND REPLACE ROOF CURBS FOR ALL ROOF VENTILATOR UNITS (6 TOTAL).
  - ALL ITEMS CALLED OUT TO BE REMOVED MUST BE RAZED FLUSH WITH THE ROOF DECK.
  - ALL DESIGNATED SPACES TO BE FILLED IN SHALL BE COMPLETED USING CONCRETE REINFORCEMENT INTEGRAL TO THE SURROUNDING ROOF DECK.
  - ENCLOSURES, WITH ASSOCIATED PLIES & FLASHING, SHALL BE CONSTRUCTED WHERE CONDUIT PROTRUDES THROUGH ROOF DECK (3 LOCATIONS).
  - HVAC UNIT TO BE LIFTED, IF NECESSARY, TO PROPERLY INSTALL PLIES & FLASHING.
  - REPAIR AND/OR REPLACE ROOF DRAIN AND CANOPY DRAIN PARTS AS NECESSARY.



**CANOPY AND ROOF PLAN - CHEMICAL BUILDING**  
 1/8" = 1'-0"

<b>Milwaukee Water Works</b> Department of Public Works <b>HOWARD AVENUE PURIFICATION PLANT</b>		<b>ADMINISTRATION BUILDING ROOF REPLACEMENT</b> <b>CANOPY AND ROOF PLAN</b>	
		DESIGNED BY P.J.G. DRAWN BY J.F.S. CHECKED BY P.J.G. DATE 10-27-10 SCALE AS SHOWN WORK ORDER WT450093100 OFFICIAL NOTICE 144-2010 FILE NO. B-12-2	APPROVED DATE ANTHONY J. SUPINSKI 11/3/10 PLANTS PROJECT ENGINEER DINAH G. GANT 11/3/10 CHIEF DESIGN ENGINEER CARRIE LEWIS 11/3/10 SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS

NO.	BY	REVISION	DATE
1	PJG	FOR ADDENDUM NO. 1	12-8-2010