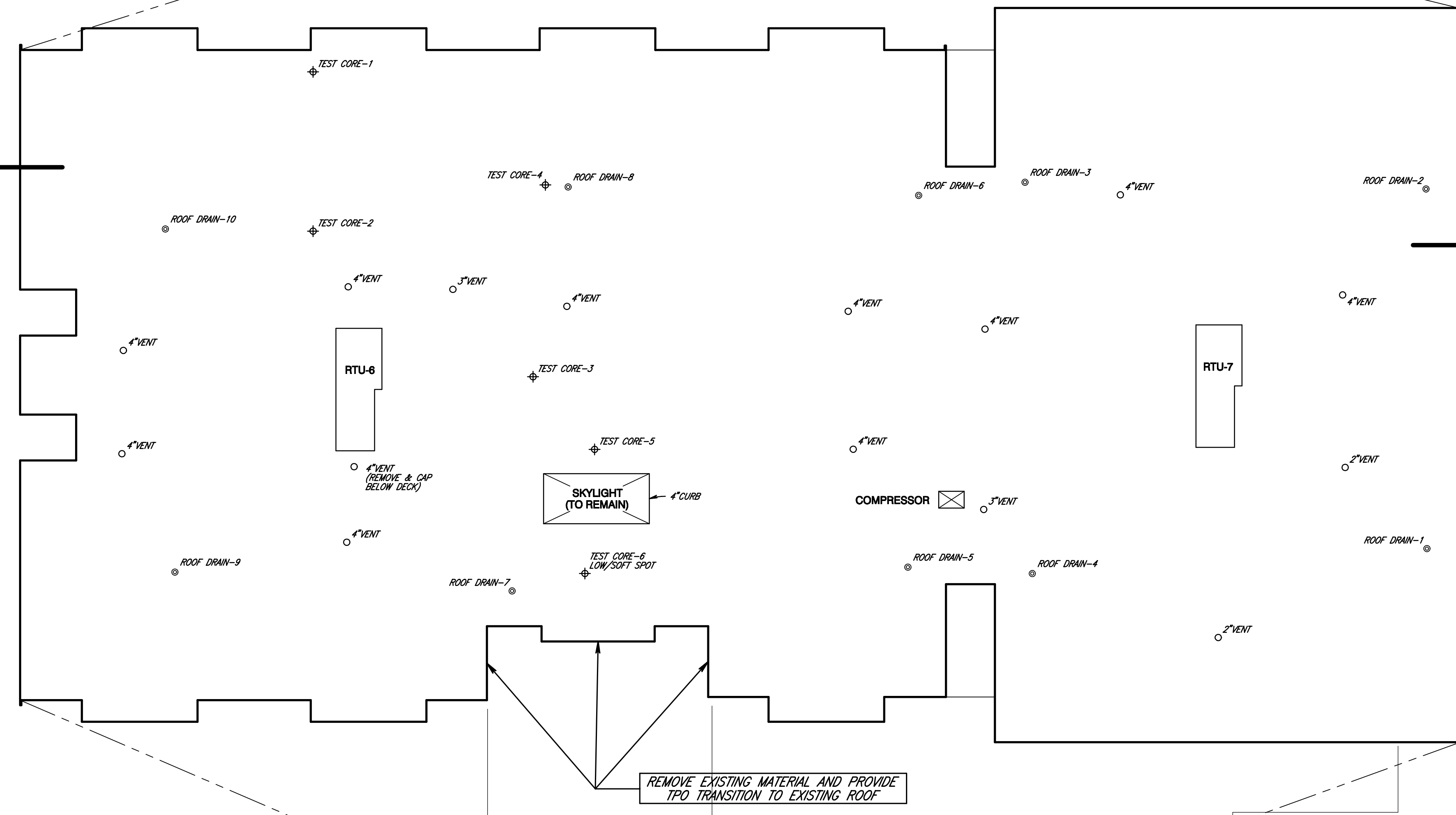




ROOF REPLACEMENT LOCATION (APPROX. 17,000 S.F.)



SEE SECTION 2/3 FOR TYPICAL ROOF EDGE



REPLACE EXPANSION JOINT SHOWN ON SECTION 1/4
EXISTING CONSTRUCTION MUST BE VERIFIED BY CONTRACTOR



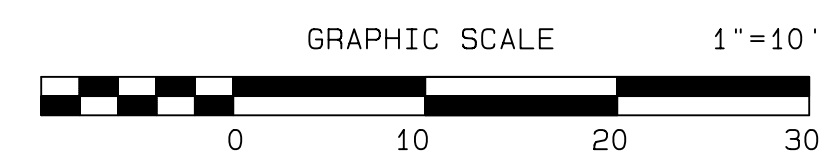
GENERAL SCOPE OF WORK

1. Remove and legally dispose of existing roof including ballast on deck, insulation, coping, curbs and sleeves for penetrations, and all other debris.
2. Remove wood in fill and close penetrations for skylights (approx. 16 each at 4ft x 4ft) and one roof hatch using metal decking to match existing.
3. Replace ten (10) existing roof drains with large sump drains.
4. Clean existing steel decking and prepare for installation of new roof. Inspect and replace any decking which is inadequate.
5. Install new roof system including additional blocking, insulation, edge terminations, curbs, sleeves, etc.
6. Restore work area to original conditions, including paving, concrete, grass, shrubbery, and building exterior.

REMOVE EXISTING MATERIAL AND PROVIDE TPO TRANSITION TO EXISTING ROOF

NOTE: ROOF DRAIN AND EQUIPMENT LOCATIONS MUST BE VERIFIED BY CONTRACTOR PRIOR TO SUBMITTING TAPERED INSULATION PLAN.

PLAN VIEW



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ROOF REPLACEMENT PLAN

ROOF REPLACEMENT PLAN
FOR
NETHER PROVIDENCE ELEMENTARY
410 MOORE ROAD, WALLINGFORD, PA 19086
THE WALLINGFORD-SWARTHMORE SCHOOL DISTRICT
NETHER PROVIDENCE TOWNSHIP DELAWARE COUNTY, PA

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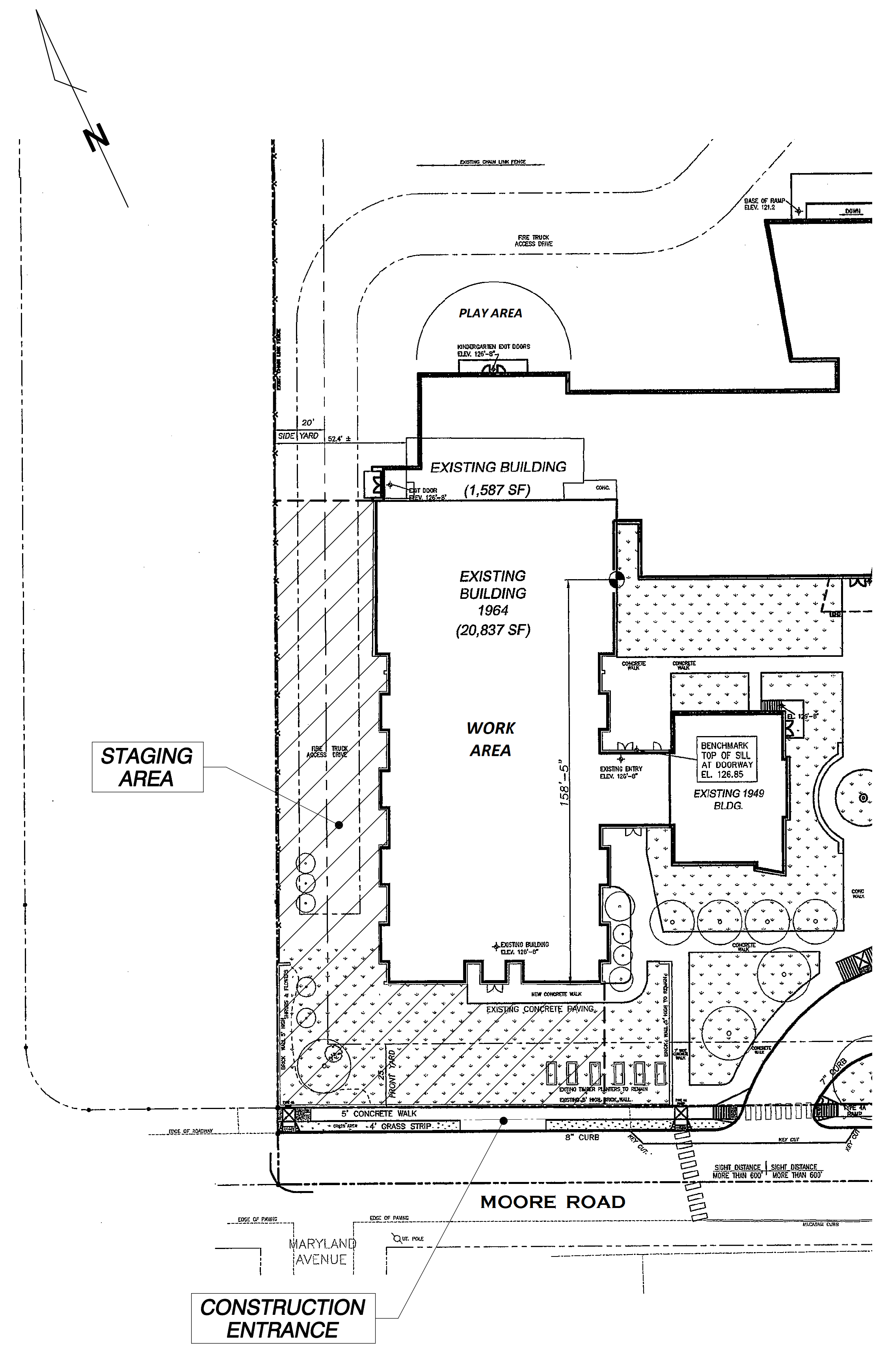
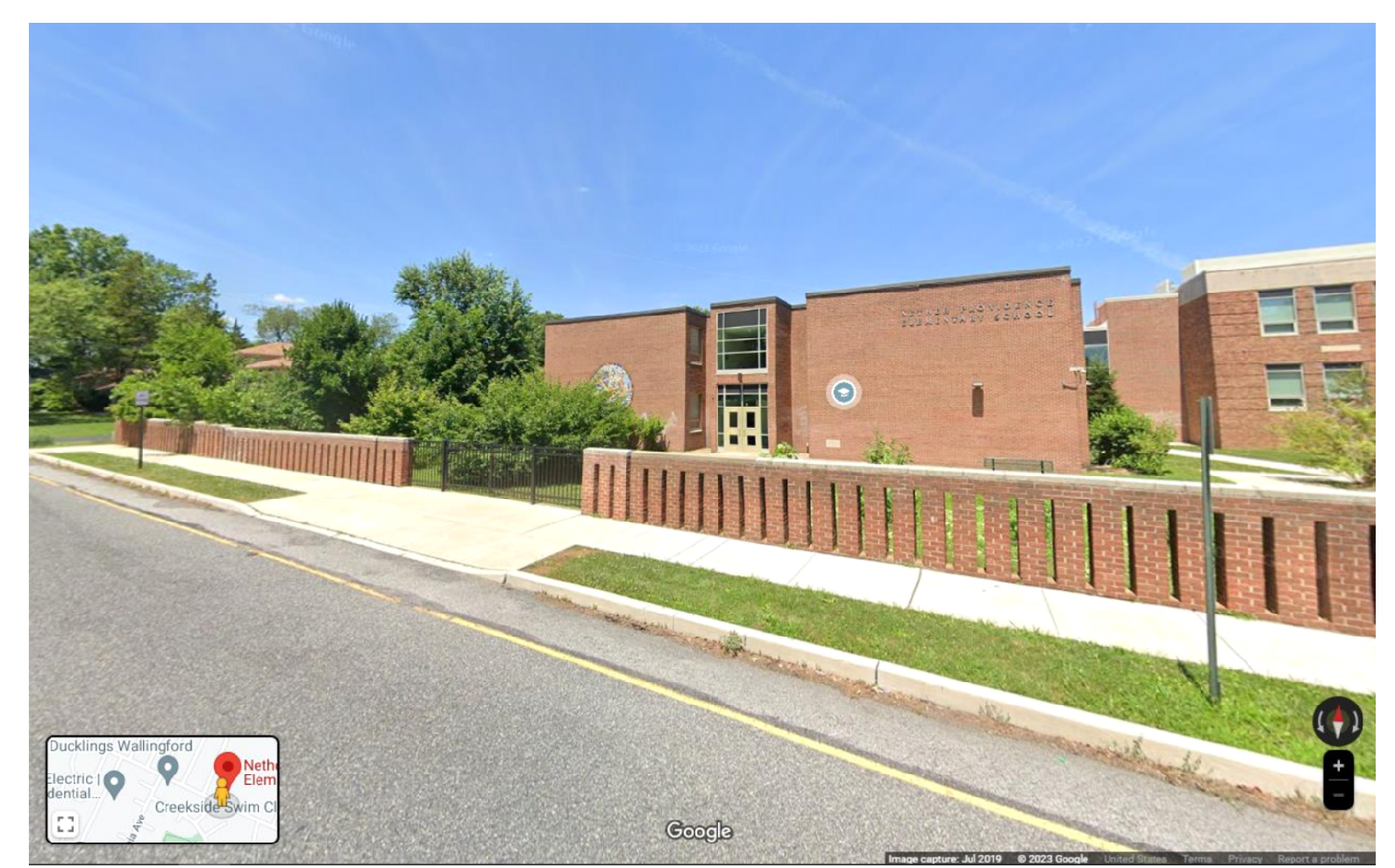
CHK'D BY: N.J.C.	DATE: 12/1/2023	JOB NO: W-23-W2743-04	SHEET
DRAWN BY: JUS	SCALE: 1" = 10'	DWG. NAME: NPE ROOF REPLACEMENT	1 OF 4

1/16/2024 1: W:\W-23 = 4306\W-23-2743 - Cirilli Assoc. Projects\2023\W-23-2743-04 - NPE Roof Replacement\Cad\Eng\W2743-04 NPE Roof.pro

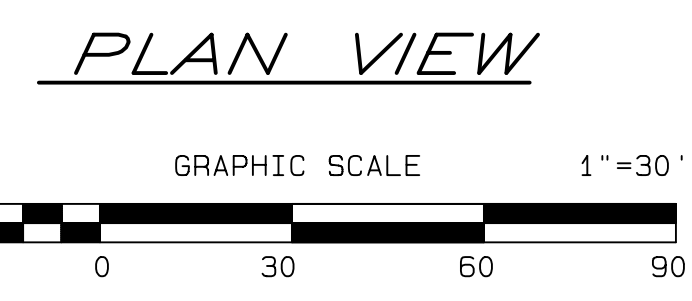
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**ROOF REPLACEMENT LOCATION
(APPROX. 17,000 S.F.)**



NOTE: REMOVE AND RESTORE PLANTERS AS REQUIRED FOR ACCESS.



GENERAL SCOPE OF WORK

1. Remove and legally dispose of existing roof including ballast on deck, insulation, coping, curbs and sleeves for penetrations, and all other debris.
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6. Restore work area to original conditions, including paving, concrete, grass, shrubbery, and building exterior.

PROPOSED CONTRACTOR STAGING AREA PLAN

ROOF REPLACEMENT PLAN
FOR
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THE WALLINGFORD-SWARTHMORE SCHOOL DISTRICT

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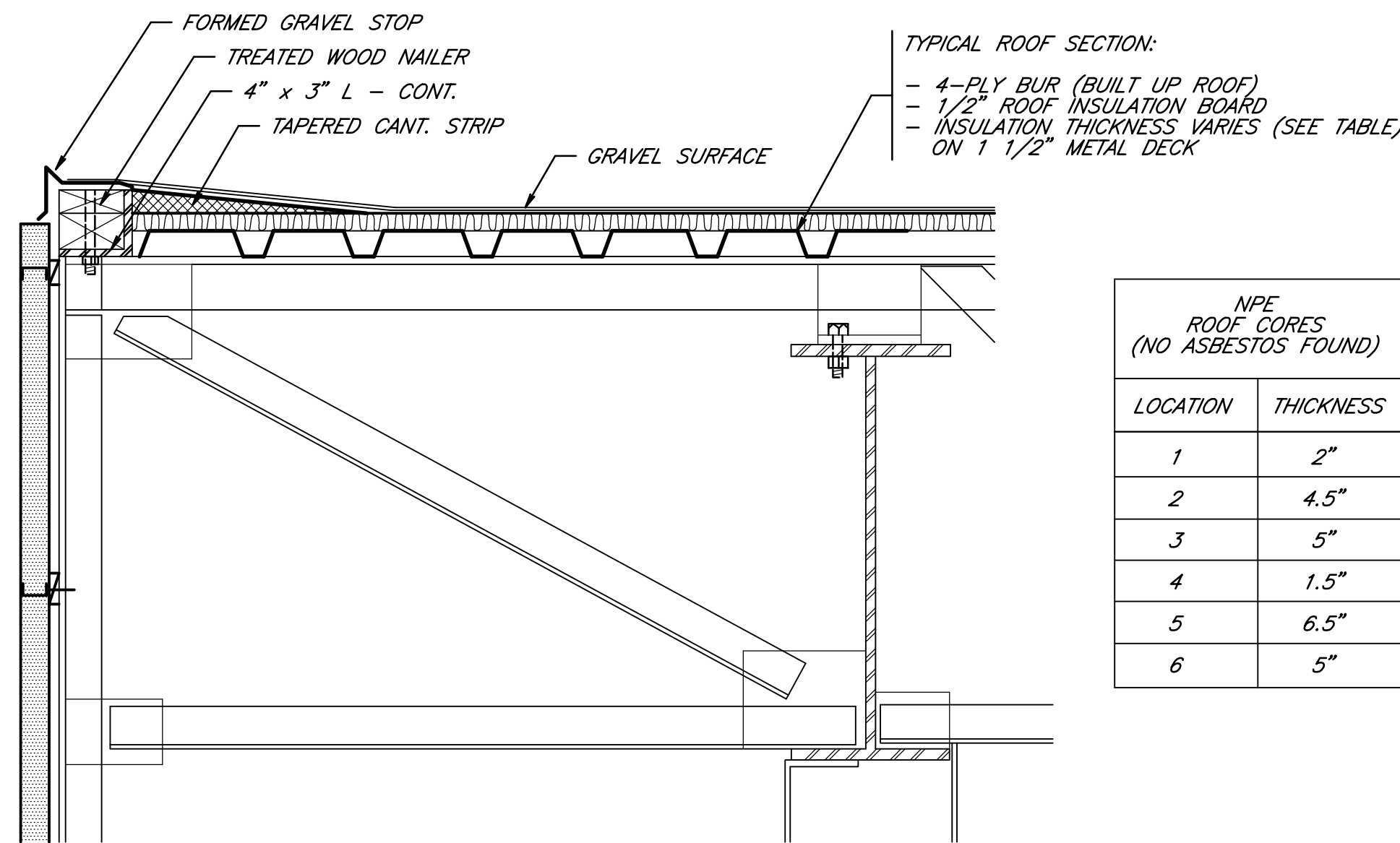
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CHK'D BY: N.J.C.	DATE: 12/1/2023	JOB NO: W-23-W2743-04	SHEET 2 of 4
DRAWN BY: JUS	SCALE: 1" = 10'	DWG. NAME: NPE ROOF REPLACEMENT	

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NO.	DATE	DESCRIPTION	APPROVED

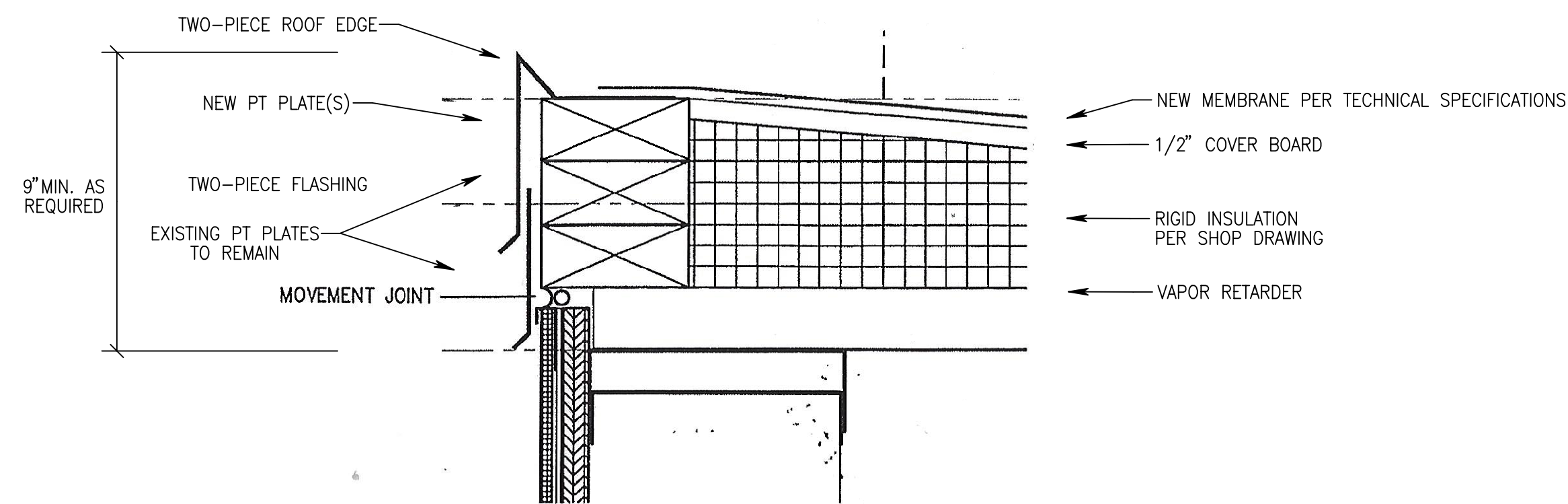


TYPICAL ROOF SECTION:
 - 4-PLY BUR (BUILT UP ROOF)
 - 1/2" ROOF INSULATION BOARD
 - INSULATION THICKNESS VARIES (SEE TABLE)
 ON 1 1/2" METAL DECK

NPE ROOF CORES (NO ASBESTOS FOUND)	
LOCATION	THICKNESS
1	2"
2	4.5"
3	5"
4	1.5"
5	6.5"
6	5"

1
3
EXISTING MINIMUM ROOF SECTION
TO BE DEMOLISHED
SCALE: 1 1/2" = 1'-0"

- SEE GENERAL ROOF DEMOLITION NOTES (THIS SHEET)



2
3
NEW ROOF EDGE (SCHEMATIC)
SCALE: N.T.S.

General Roof Demolition Notes

1. These Plans and Existing Roof Section are meant to be a convenience to the contractor. Contractor is responsible for all demolition, safe removal from the roof, and legal disposal, necessary for the installation of the new work, whether shown on these Plans or not.
2. Drawings are based upon partial building plans provided by the School District and upon field observation.
3. The contractor shall field verify all dimensions and conditions prior to the start of the work. It is incumbent upon the Contractor to notify the District Engineer of any discrepancies prior to proceeding.
4. The contractor is to maintain the building in a WEATHER-TIGHT condition against inclement weather at all times.
IMPORTANT: The Contractor shall factor into their planning and execution the fact that this Building is to be occupied during all phases of the work. The School District is to have complete use of the building, except for limited areas, and for limited periods of time, as mutually agreed upon by both the Contractor and School District personnel.
5. Any item not designated as "existing" shall be assumed to be new.
6. Contractor is to verify all existing Slopes prior to installation of the new roofing system.
NOTE: there exists a soft spot approximately 10 ft. square in vicinity of CORE #6.
7. All existing roof top equipment is to remain unless otherwise noted for removal.
8. Contractor shall remove and legally dispose of all existing ballast, built up roofing and insulation.
9. Existing vents, equipment, or other rooftop penetrations are to remain unless noted otherwise on the plan.
10. Contractor to remove any pipe boots, flashing, and sealants around equipment, and raise to receive new roofing and insulation system as required.
11. Contractor shall remove existing DRIP EDGE FACIA and GRAVEL STOP in its entirety.
12. Approximately 16 rooftop SKYLIGHTS and one access hatch are no longer in use. Wood shall be removed and opening INFILLED with new deck and roofing system per these plans and specifications.
13. Existing Wall Roof Ladders to remain.

ROOF DETAILS & NOTES

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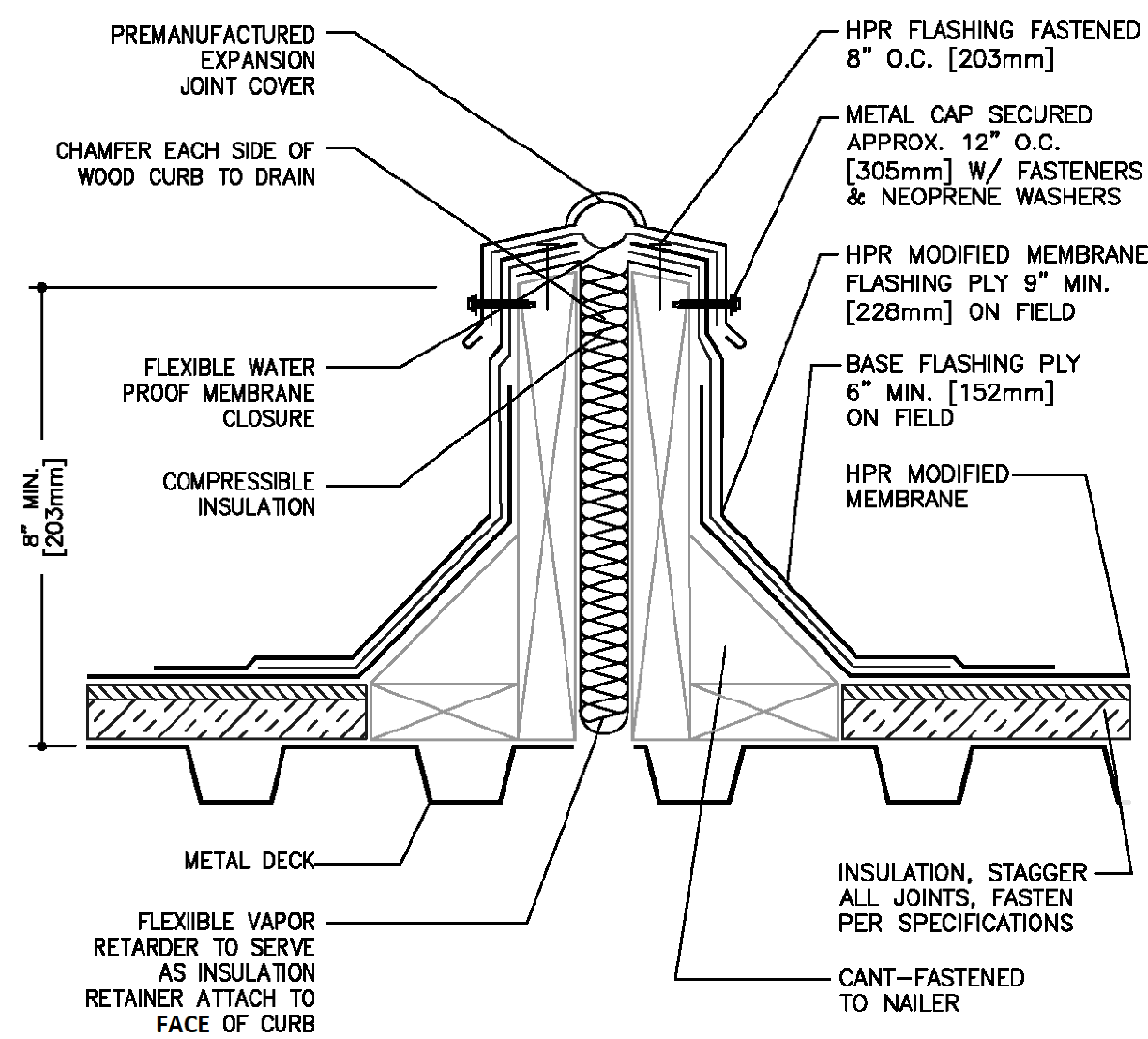
CHK'D BY: N.J.C.	DATE: 12/1/2023	JOB NO: W-23-W2743-04	SHEET 3 of 4
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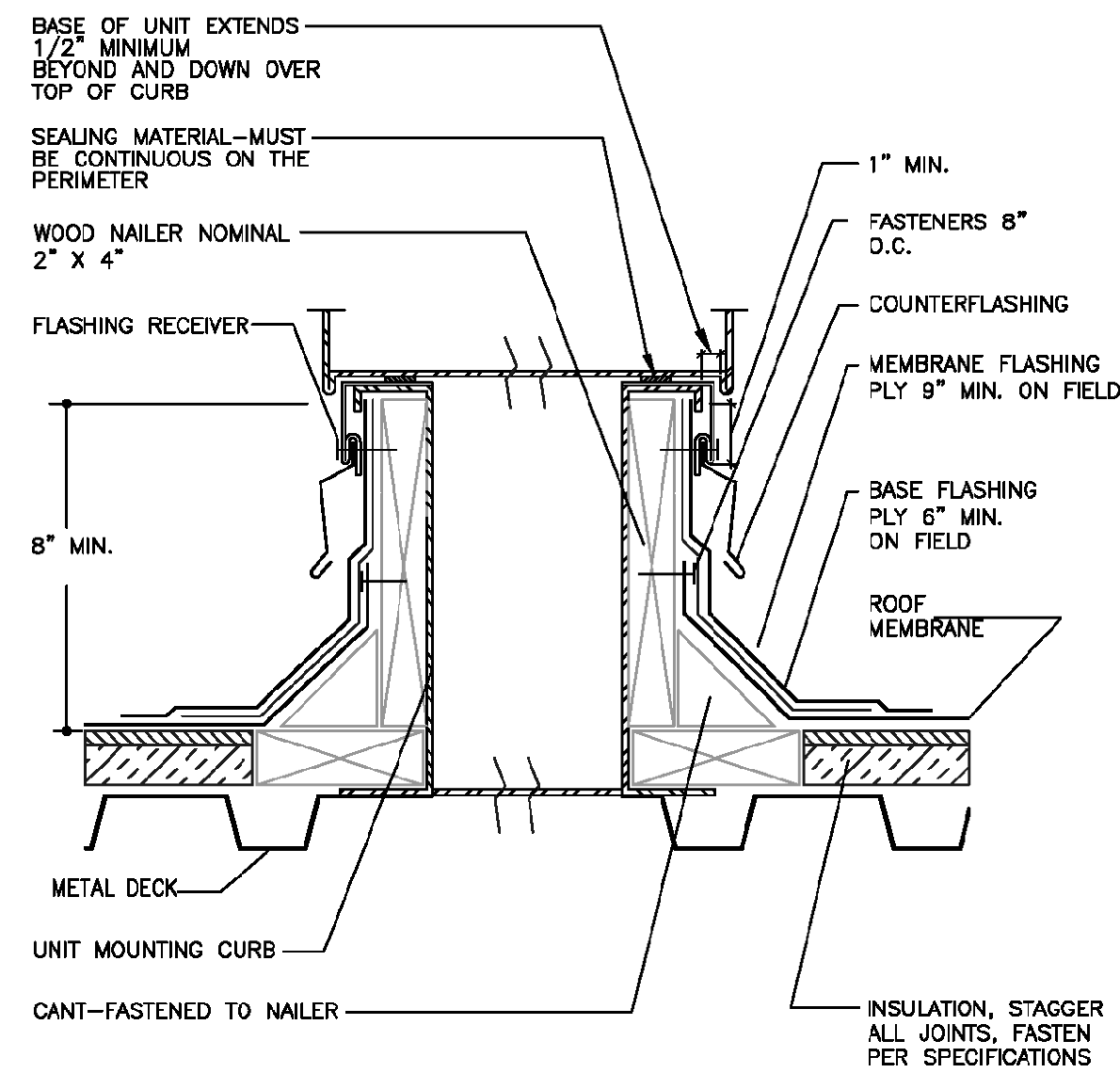
NO.	DATE	DESCRIPTION	APPROVED
REVISIONS			

1/16/2024 1: W:\W-23 = 4206\W-23-2743 - Cirilli Assoc. Projects 2023\W-23-2743-04 - NPE Roof Replacement\Cad\Eng\W2743-04 NPE Roof.pro



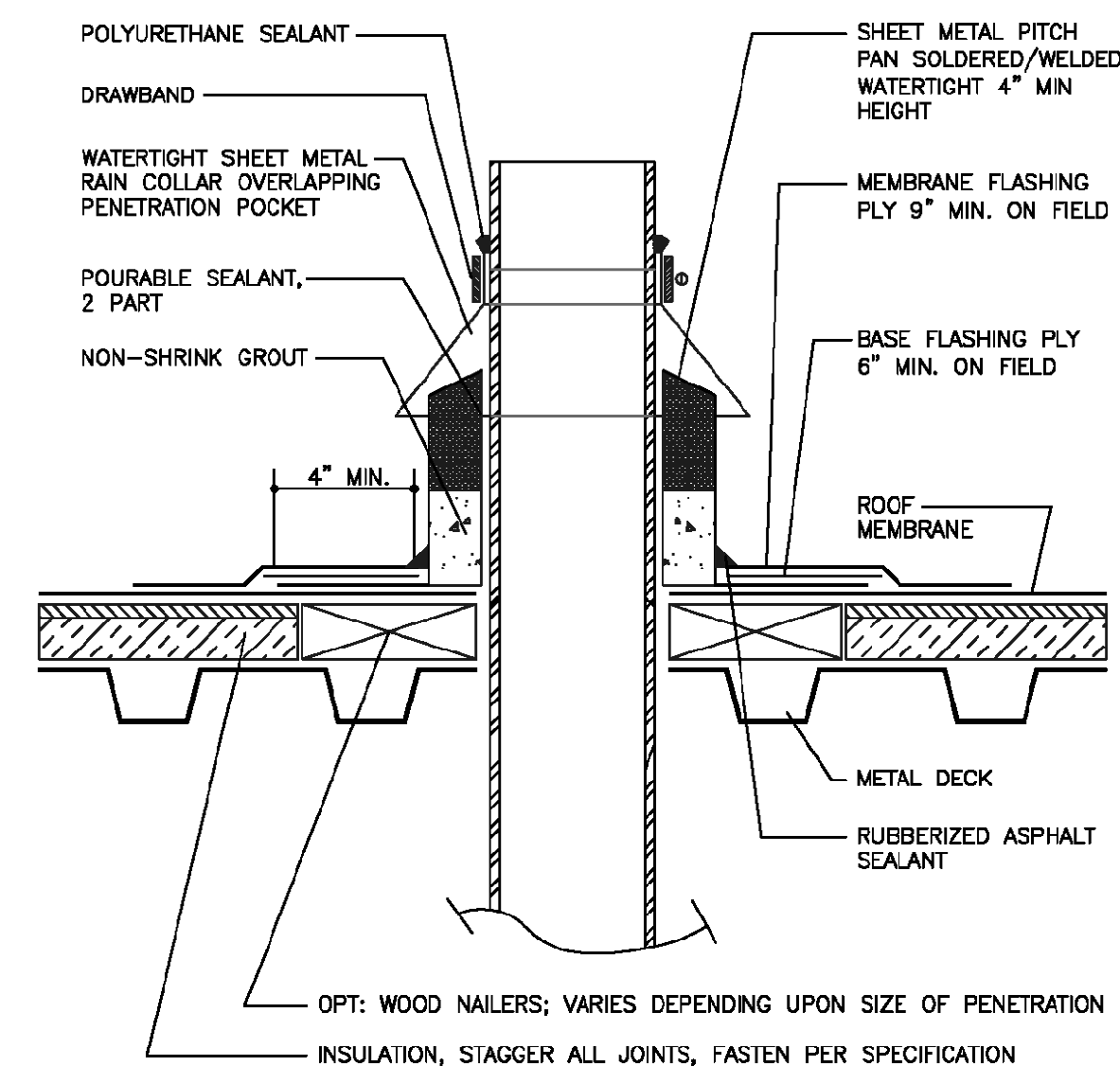
ALL PLYS SET IN MODIFIED COLD ADHESIVE
SEE SPECIFICATIONS FOR SURFACING

1
4 EXPANSION JOINT AT EAST END
SCALE: N.T.S.



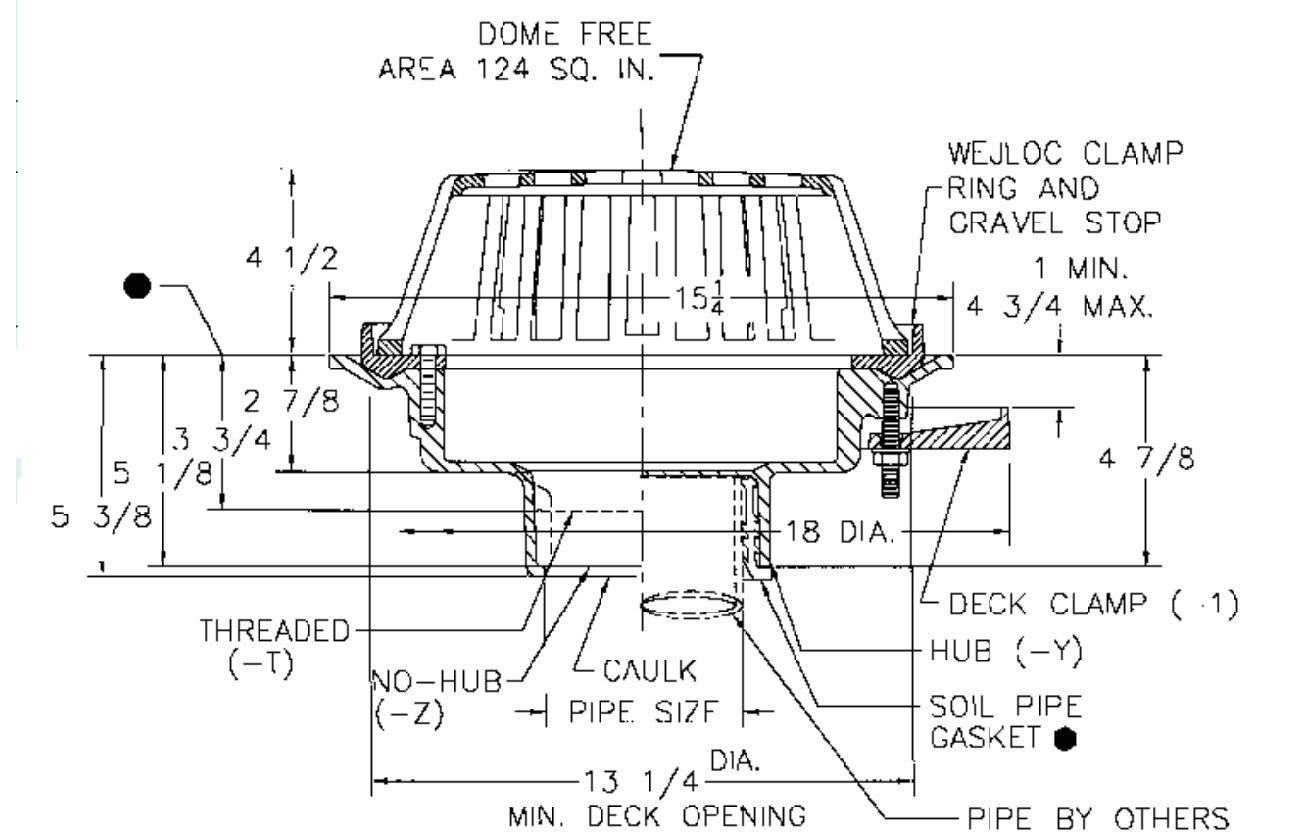
ALL PLYS SET IN MODIFIED COLD ADHESIVE
SEE SPECIFICATIONS FOR SURFACING

2
4 CURB DETAIL
SCALE: N.T.S.



ALL PLYS SET IN MODIFIED COLD ADHESIVE
SEE SPECIFICATIONS FOR SURFACING

3
4 PITCH POCKET
SCALE: N.T.S.



● CONFORMS WITH ASTM-C564
● THIS DIM. IS 5-3/4" FOR 21508-T
* CONTRACTOR TO FIELD VERIFY PIPE OUTLET SIZE PRIOR TO ORDER

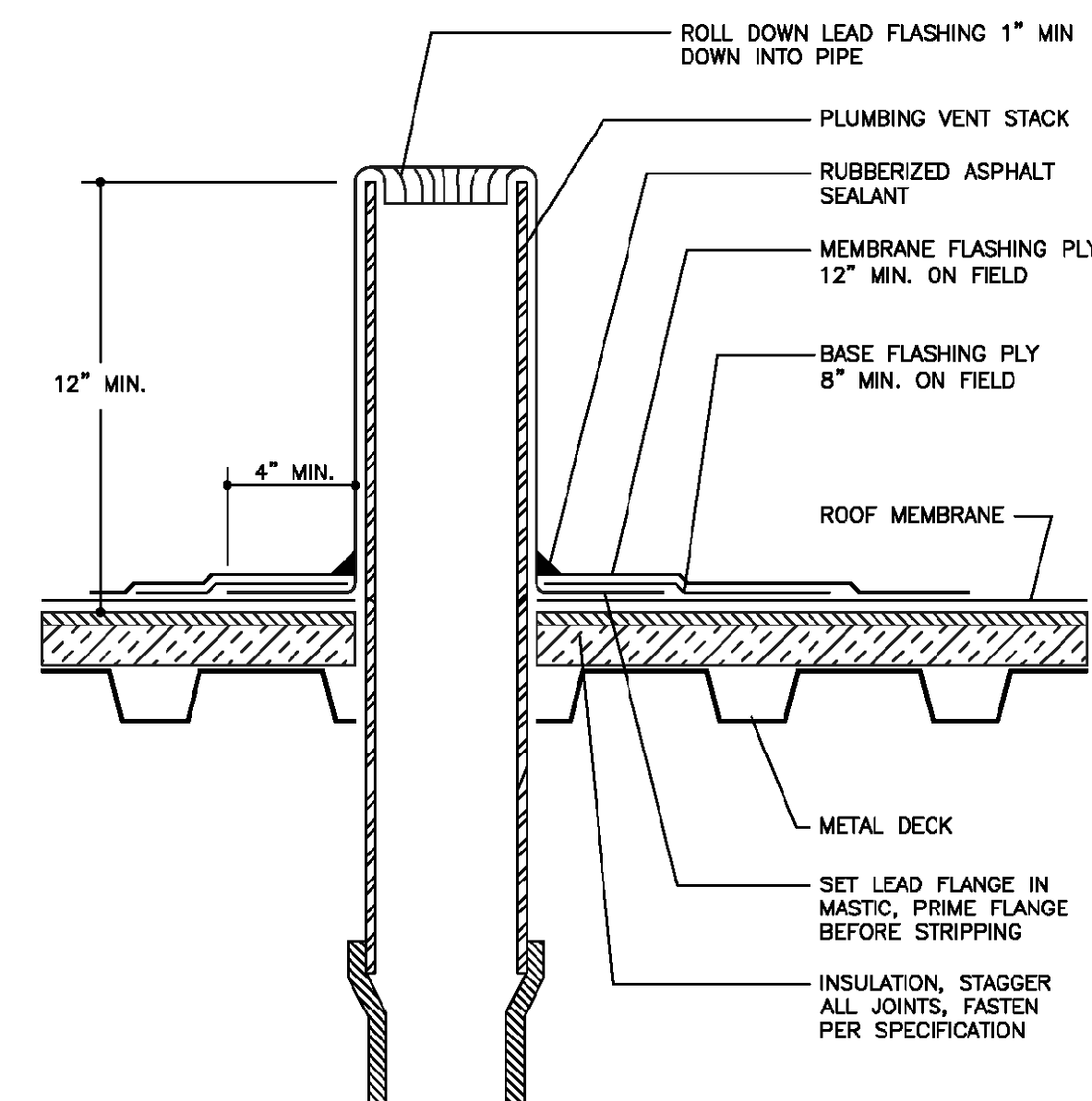
* FOR OUTLET TYPE SPECIFY -I, -X, -Y or -Z

TYPE NO.	PIPE SIZE	LBS.	TYPE NO.	PIPE SIZE	LBS.
21502	2	36	21506	6	40
21503	3	37	21508	8	42
21504	4	38	21509-Z	101	43
21505	5	39	110" AVAILABLE IN NO-HUB ONLY.		

<https://www.josam.com/pdf/josam/catalog/RoofDrains.pdf>

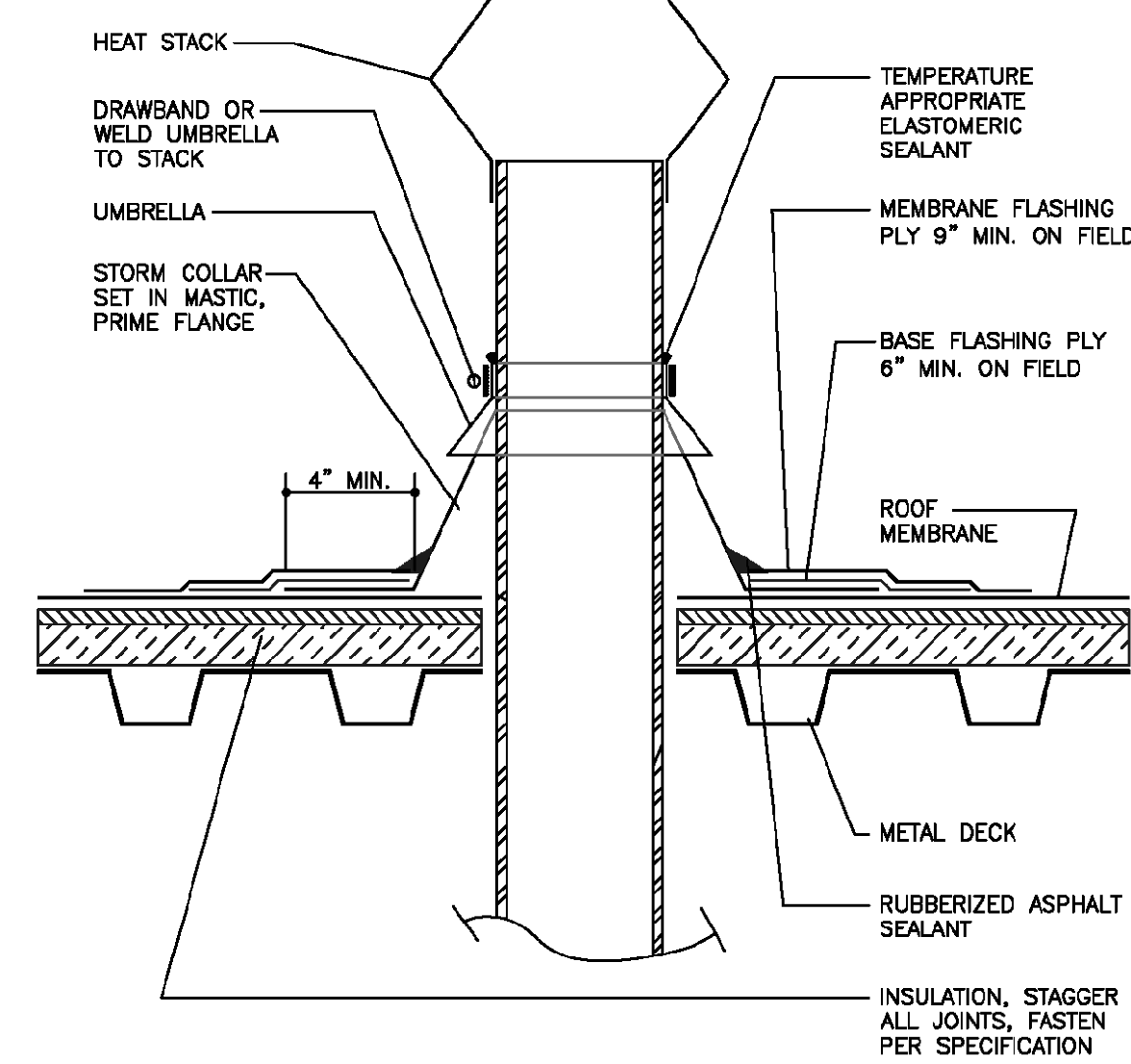
4
4 NEW LARGE SUMP ROOF DRAIN
SCALE: N.T.S.

BY JOSAM OR APPROVED EQUAL (10 each REQUIRED)
APPLICABLE MODEL TO FIT TPO ROOF SYSTEM



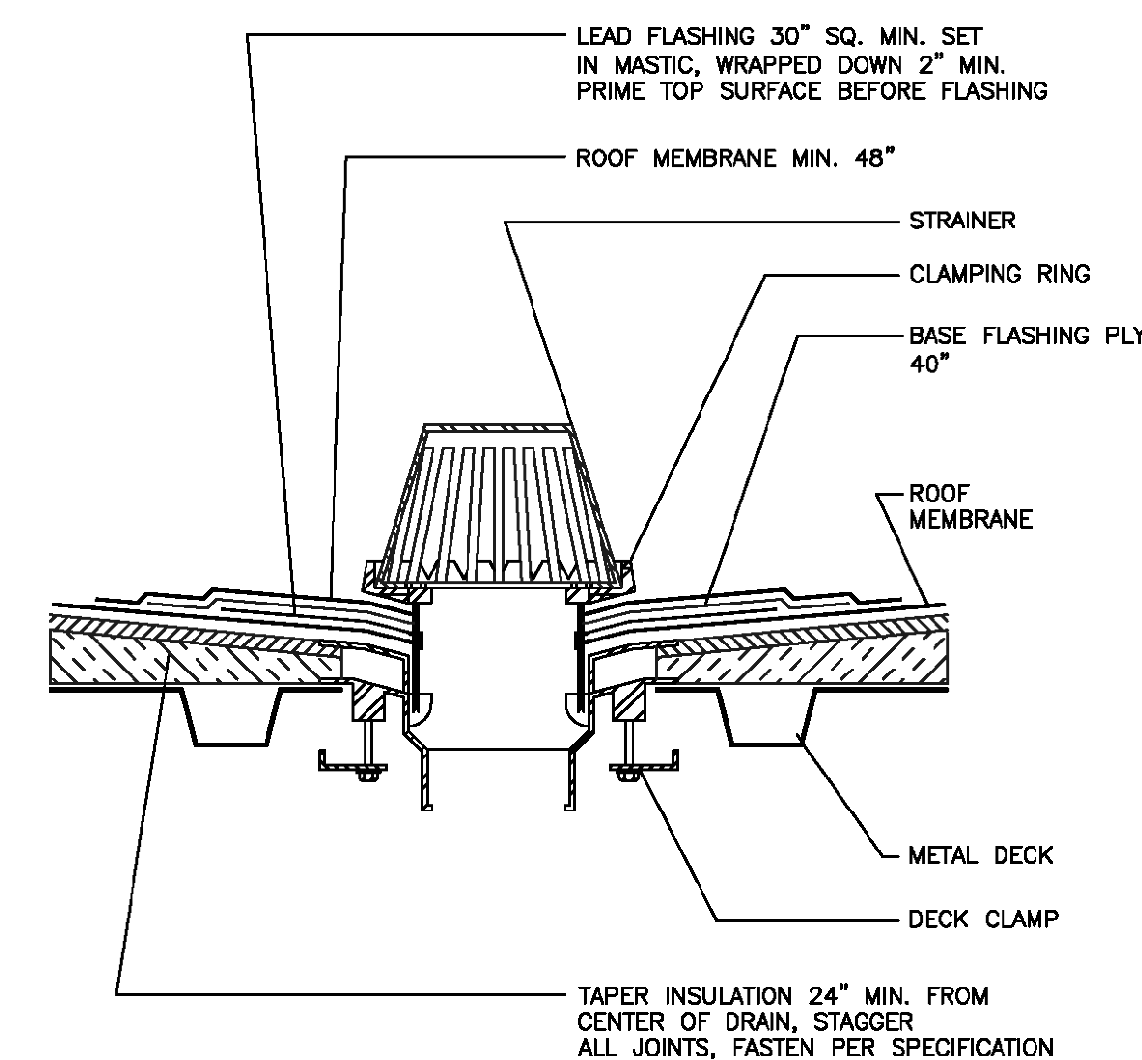
ALL PLYS SET IN MODIFIED COLD ADHESIVE
SEE SPECIFICATIONS FOR SURFACING

5
4 PLUMBING STACK
SCALE: N.T.S.



ALL PLYS SET IN MODIFIED COLD ADHESIVE
SEE SPECIFICATIONS FOR SURFACING

6
4 HEAT STACK
SCALE: N.T.S.



ALL PLYS SET IN MODIFIED COLD ADHESIVE
SEE SPECIFICATIONS FOR SURFACING

7
4 ROOF DRAIN FLASHING DETAIL
SCALE: N.T.S.

References and Intent of Details

The details shown on these sheets were referenced from existing drawings of the school including details from the 2013 renovation Architectural plans by Godshall Kane Architects.

IMPORTANT: The details shown on these plans are Generic and are to be used only as a REFERENCE for required flashing and transitions. All work shall comply with the selected Roofing Manufacturer's Warranty Provisions and specific Detailing Requirements.

ROOF DETAILS & NOTES

ROOF REPLACEMENT PLAN

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