PROJECT: Roof Replacement and Accesories

Berkeley Unified School District 1720 Oregon Street Berkeley, CA 94704

Project Location:

Oxford Elementary School 1130 Oxford Street Berkeley, CA 94707

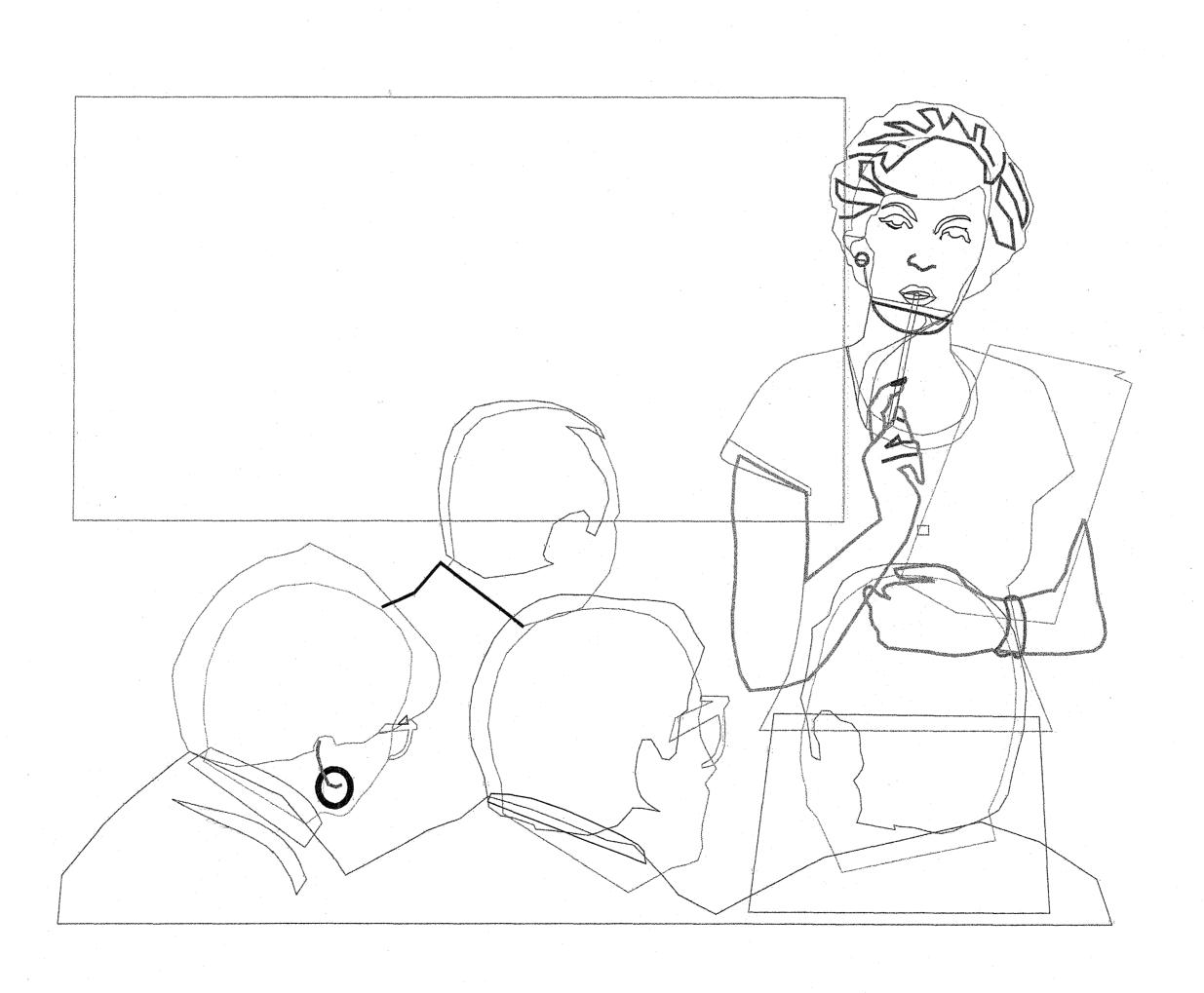
SCOPE OF WORK:

CONTRACTOR SHALL REPLACE DESIGNATED ROOFS AND PERFORM MISCELLANEOUS WORK AS OUTLINED IN THE DRAWINGS AND SPECIFICATION.

NEW ROOF SYSTEM SHALL BE A UL CLASS A FIRE RATED SYSTEM. TYPE OF OCCUPANCY: STUDENTS, TEACHERS, ADMINISTRATION.

APPLICABLE CODES TO INCLUDE:

- 1. STATE OF CALIFORNIA TITLE 24 (1998 EDITION) PART 1 BUILDING STANDARDS ADMINISTRATIVE CODE.
- 2. STATE OF CALIFORNIA TITLE 24 (1998 EDITION) PART 2/VOLUME 1 CALIFORNIA BUILDING CODE/AMENDMENTS WITH 1997 UBC, VOLUME 2
- 3. STATE OF CALIFORNIA TITLE 24 (1998 EDITION) PART 2/VOLUME 2 CALIFORNIA BUILDING CODE/AMENDMENTS WITH 1997 UBC, VOLUME 2
- 4. 1997 UNIFORM BUILDING CODE, VOLUME 3
- 5. STATE OF CALIFORNIA TITLE 24 (1998 EDITION) PART 3 CALIFORNIA ELECTRICAL CODE/AMMENDMENTS WITH 1996 NEC
- 6. STATE OF CALIFORNIA TITLE 24 (1998 EDITION) PART 4 CALIFORNIA MECHANICAL CODE/AMMENDMENTS WITH 1997 UMC
- 7. STATE OF CALIFORNIA TITLE 24 (1998 EDITION) PART 5 CALIFORNIA PLUMBING CODE WITH 1997 UPC
- 8. STATE OF CALIFORNIA TITLE 24 (1998 EDITION) PART 6 CALIFORNIA ENERGY CODE
- 9. STATE OF CALIFORNIA TITLE 24 (1998 EDITION) PART 9 CALIFORNIA FIRE CODE/AMMENDMENTS WITH 1997 UFC
- 10. STATE OF CALIFORNIA TITLE 24 (1998 EDITION) PART 12 CALIFORNIA REFERENCED STANDARDS CODE
- 11. TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
- 12. NRCA (LATEST EDITION) NATIONAL ROOFING CONTRACTORS ASSOCIATION GUIDELINES



General Notes

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Revision/Issue Date

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Project Name and Add

Project Oxford Elementary School	Sheet A-1
Date April 2005	Title
Scale none	Page

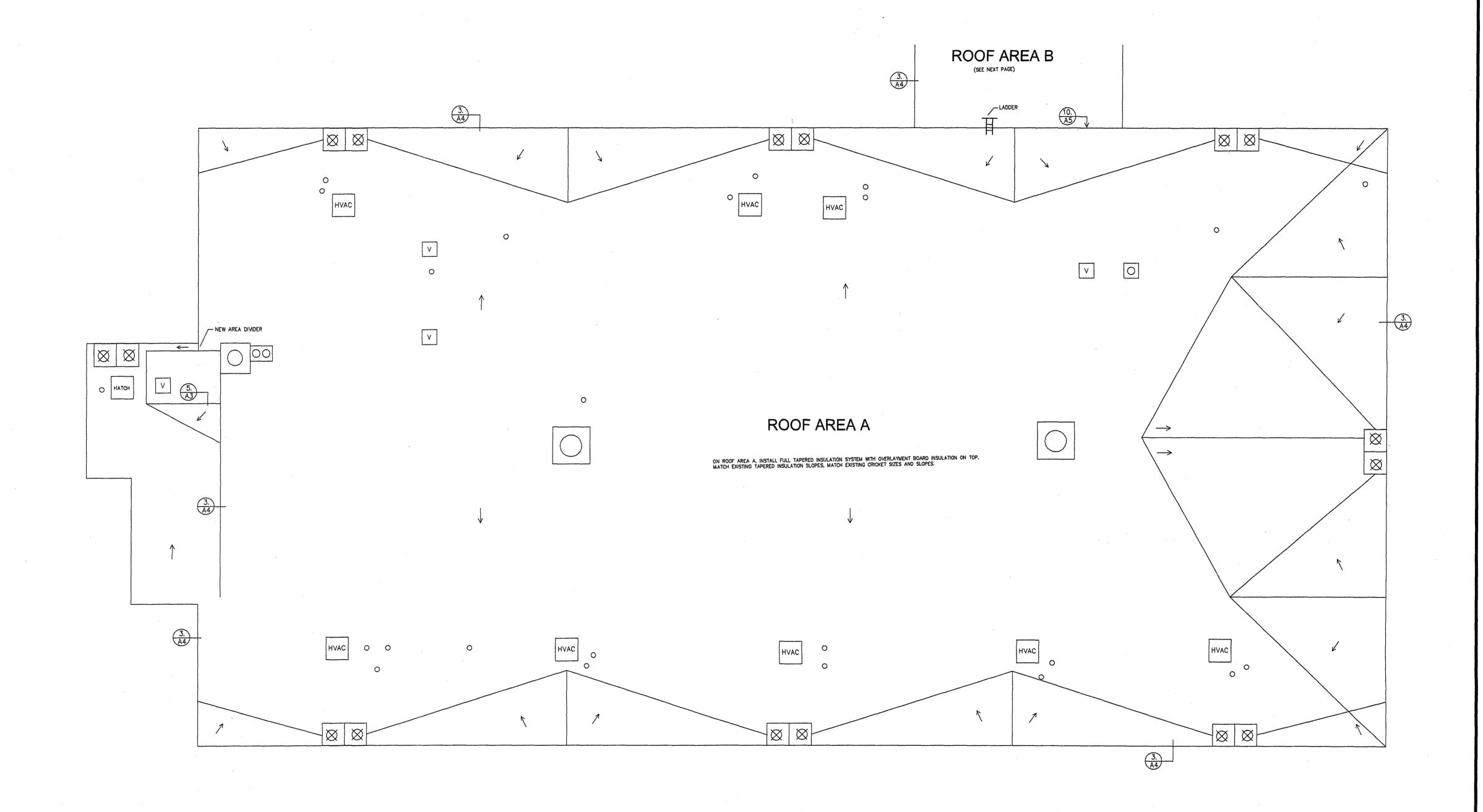


- Contractor shall remove exisiting roofs, insulations, base flashings, metal flashings, blocks, old sleepers/caps, metal, old downspouts, old funnel boxes, etc. from the roofs.
- 2. Contractor shall install 2 additional wood nailer layers on top of perimeter wall around roof area A (build up an additional 3").
- 3. Contractor shall mechanically attach full tapered insulation system and overlayment board insulation, per the wind uplift requirments, on roof area A. (Match existing tapered insulation slopes, cricket sizes on roof area A).
- 4. Contractor shall mechanically attach overlayment board insulation, per wind uplift requirements, on roof area B and C. Install new crickets on C.
- 5. Install 60 mil, white, TPO or PVC membrane fully adhered or mechanically attached.
- Install new metal everywhere (ie coping caps, cleats, skirts, counterflashings, primary scuppers, overflow scuppers, drain inserts, etc.).
- Install overflow scuppers and primary scuppers as shown. Contractor will have to core thru the walls for these.
- 8. Install new drain inserts on roof area B, at old drain box locations. Install new overflow scuppers next to these. Install new downspouts below the drain inserts down to the ground. Install new wood decking here as needed when removing the drain boxes. Cut/repair soffet below as needed to install the new downspouts.
- Install new overflow scuppers and primary scuppers on roof area C. Install new funnel boxes and downsppouts down to roof area B. Install drip pans and mats under the downspouts on roof area
- Install new 30 lb coated base sheet and compostion shingles on steep roof between roof B and roof C.
- end of the job, at location of owner's desire.

 12. Clean, etch, prime and paint all metal at the

11. Install 1600 linear feet of walkpanels at the

- end of the job (unless it is clad/membrane coated metal).
- 13. Disconnect/reconnect/modify ladder as needed from roof area A to roof area B. Roof up and over the new block at base of ladder. Install metal cap over the block. Reconnect the ladder. Ensure ladder is solid/secure.



General Notes

Equipment and projection locations are

Contractors are responsible for all measurements and projection counts.

MECHANICAL LEGEND

SYMBOL	EQUIPMENT OR PROJECTION
0	ROUND PROJECTIONS
11	SCUPPER
Ø	DRAIN
0	VENT
S	SKYLIGHT
V	VENT
euros.	ACCESS HATCH
	CURB
HVAC	HVAC
	PITCH PAN

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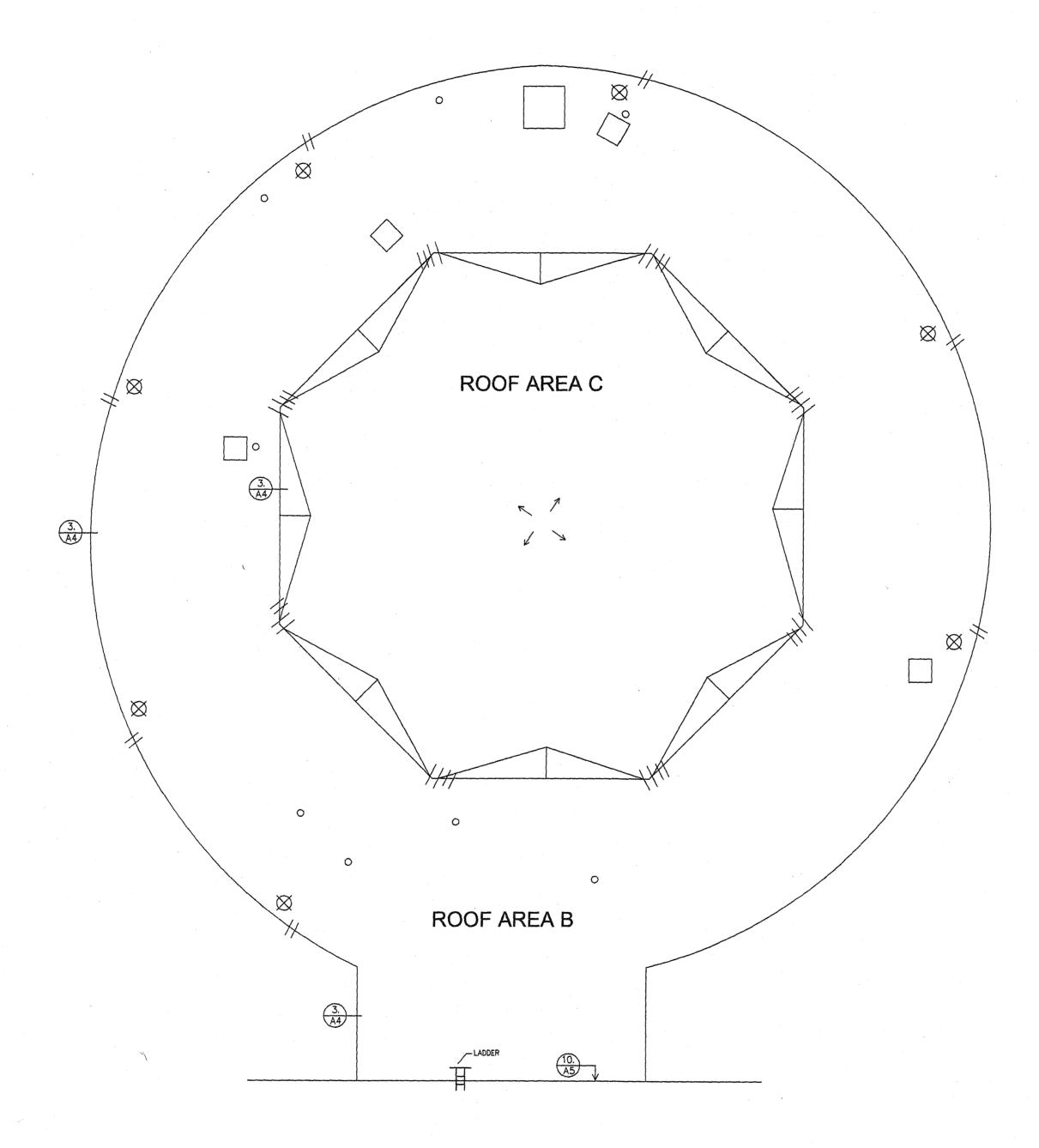


Project Name and Address

Project Oxford Elementary School	Sheet
April 2005	A-2 Roof Plan
Scale 1" = 8' 1/8" = 1'	

General Notes

- Contractor shall remove exisiting roofs, insulations, base flashings, metal flashings, blocks, old sleepers/caps, metal, old downspouts, old funnel boxes, etc. from the roofs.
- Contractor shall install 2 additional wood nailer layers on top of perimeter wall around roof area A (build up an additional 3").
- 3. Contractor shall mechanically attach full tapered insulation system and overlayment board insulation, per the wind uplift requirments, on roof area A. (Match existing tapered insulation slopes, cricket sizes on roof area A).
- Contractor shall mechanically attach overlayment board insulation, per wind uplift requirements, on roof area B and C. Install new crickets on C.
- 5. Install 60 mil, white, TPO or PVC membrane fully adhered or mechanically attached.
- Install new metal everywhere (ie coping caps, cleats, skirts, counterflashings, primary scuppers, overflow scuppers, drain inserts, etc.).
- 7. Install overflow scuppers and primary scuppers as shown. Contractor will have to core thru the walls for these.
- 8. Install new drain inserts on roof area B, at old drain box locations. Install new overflow scuppers next to these. Install new downspouts below the drain inserts down to the ground. Install new wood decking here as needed when removing the drain boxes. Cut/repair soffet below as needed to install the new downspouts.
- Install new overflow scuppers and primary scuppers on roof area C. Install new funnel boxes and downsppouts down to roof area B. Install drip pans and mats under the downspouts on roof area
- Install new 30 lb coated base sheet and compostion shingles on steep roof between roof B and roof C.
- 11. Install 1600 linear feet of walkpanels at the end of the job, at location of owner's desire.
- 12. Clean, etch, prime and paint all metal at the end of the job (unless it is clad/membrane coated metal).
- 13. Disconnect/reconnect/modify ladder as needed from roof area A to roof area B. Roof up and over the new block at base of ladder. Install metal cap over the block. Reconnect the ladder. Ensure ladder is solid/secure.



ROOF AREA A

General Notes

Equipment and projection locations are

Contractors are responsible for all measurements and projection counts.

MECHANICAL LEGEND

SYMBOL	EQUIPMENT OR PROJECTION	
. 0	ROUND PROJECTIONS	
11	SCUPPER	
Ø	DRAIN	
0	VENT	
S	SKYLIGHT	
V	VENT	
RATES	ACCESS HATCH	
	CURB	
HVAC	HVAC	
	PITCH PAN	

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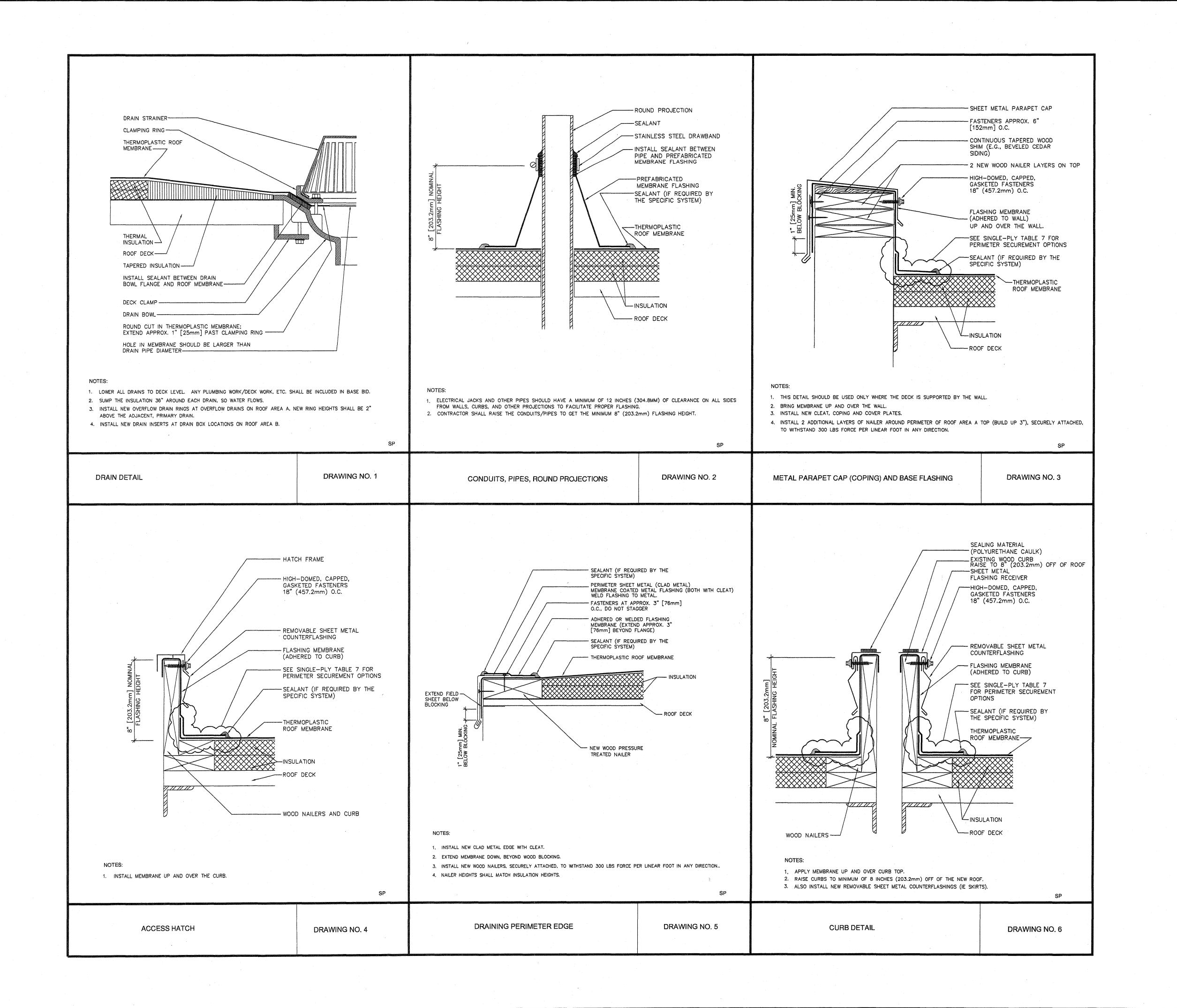
Project Name and Address

Berkeley Unified School
District
Oxford Elementary
School

Project Oxford Elementary
School

Date
April 2005

Scale 1" = 8'



NOTES:

The purpose of these detail drawings is to provide the installer with a basic guideline for the installation of termination and projection flashings. Where field conditions warrent alteration of these details, the installer shall notify the owner and design engineer.

If conflict exists between these detail drawings and the flashing details as published by the manufacturer providing the warranty for this project, the more stringent requirements shall govern.

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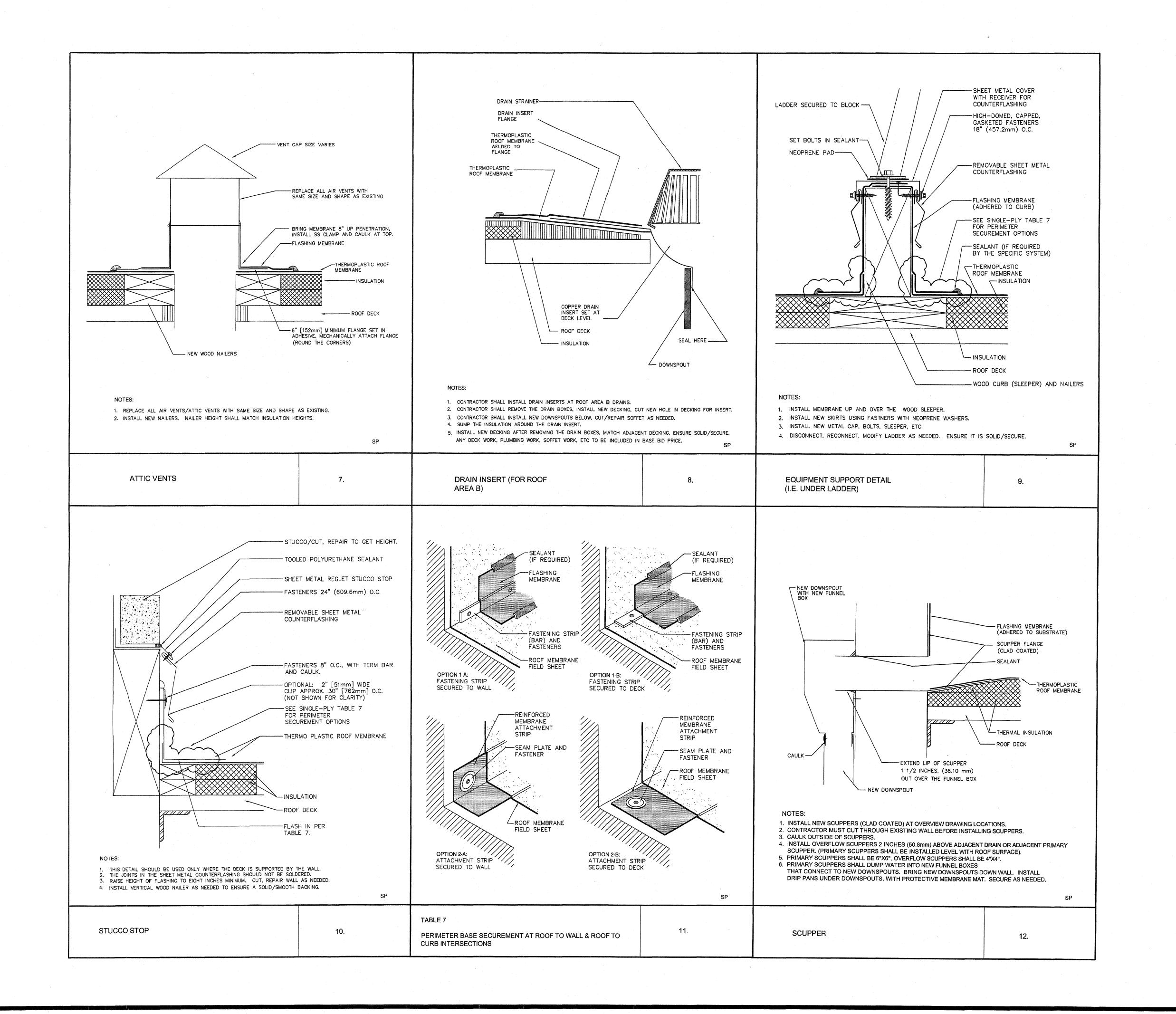


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Sheet
A-4 Details



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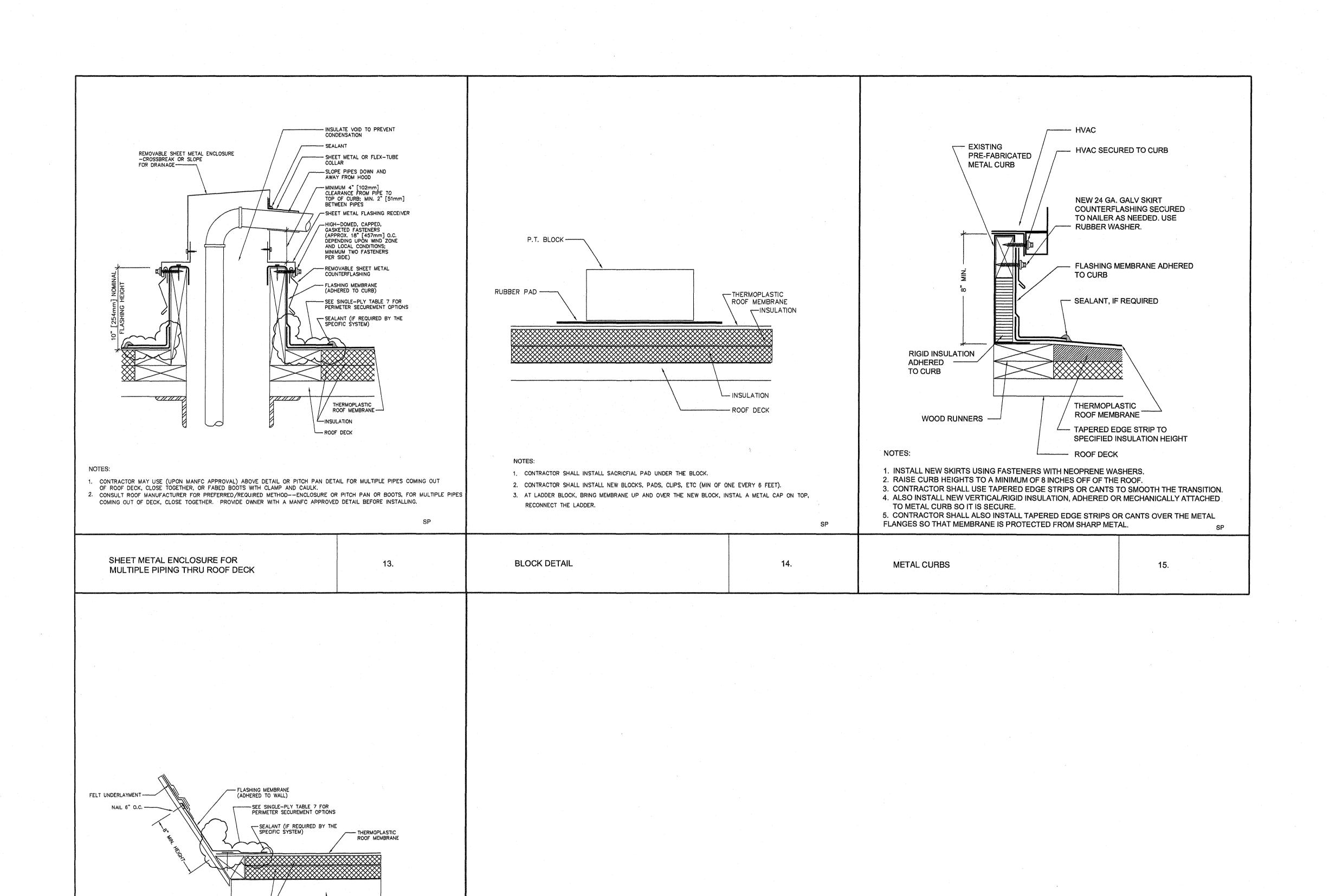
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Project Name and Address

Project Oxford Elementary School	Sheet
Date April 2005	A-5 Details
Scale N.T.S.	



INSULATION

1. CONTRACTOR SHALL INSTALL NEW BASE SHEET AND ASPHALT SHINGLES AT STEEP SECTION BETWEEN ROOF B AND C.

2. INSTALL 6" SKIRT UNDER COPING AT THE TOP OF THIS WALL, USE FASTNERS WITH NEOPRENE WASHERS.

3. BRING MEMBRANE UP AND OVER TOP OF WALL TO ENSURE WATERTIGHTNESS.

WALL DETAIL (SHINGLE BASE TIE-IN)

ROOF DECK

16.

NOTES:

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Project Name and Address

Project Oxford Elementary School	Sheet
Date April 2005	A-6 Details
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