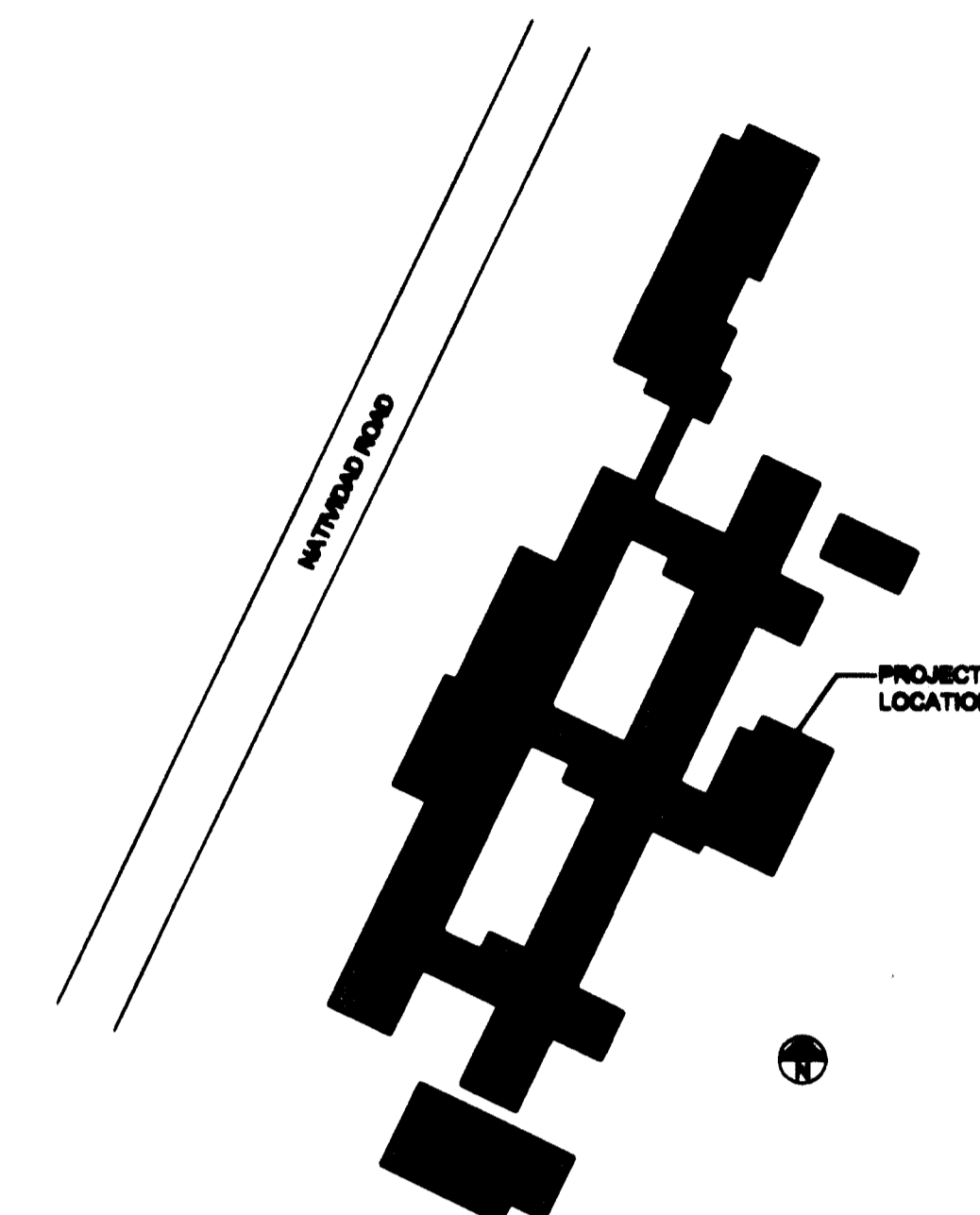


**COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS**

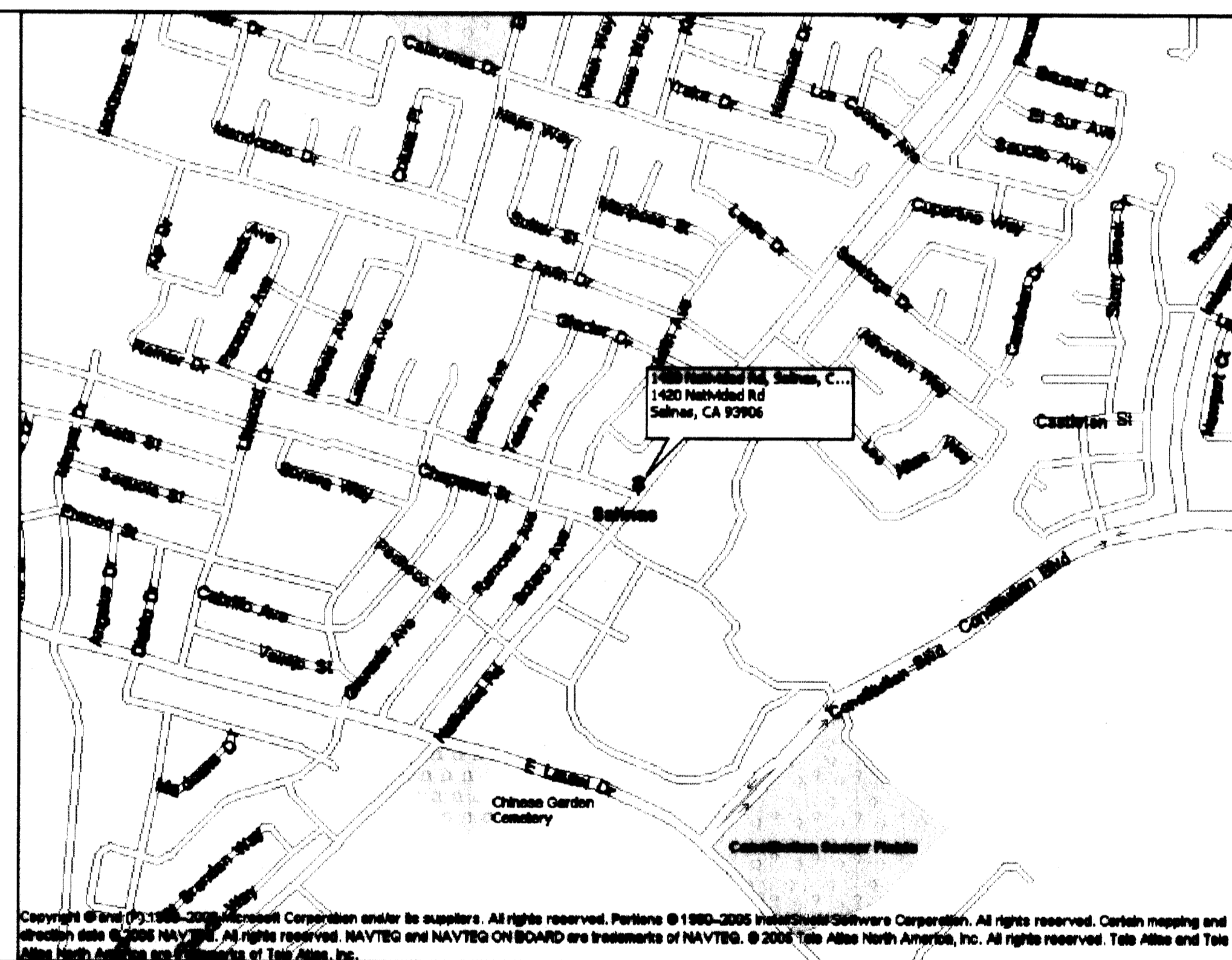
Juvenile Hall Interim Repairs
Gymnasium Roof Replacement
1420 Natividad
Salinas CA

Project No. 8785
Bid No. 10410

SITE MAP



VICINITY MAP



SCOPE OF WORK

- A. Base bid shall include the upper roof level. Add alternate bid shall include lower roof level. Refer to A2 Roof Plan drawing.
- B. Remove existing roofing system and flashings in accordance with section 02 41 19.13 Selective Building Demolition and 02 82 00 Asbestos Remediation.
- C. Installation of thermoplastic single ply membrane at areas of lightweight insulating and structural concrete decking. Refer to section 07 54 00 Thermoplastic Membrane Roofing:
 - 1. Provide pull testing for mechanical fasteners and/or insulation/membrane adhesive over the lightweight insulating concrete by manufacturer of fasteners in order to verify and ensure wind uplift compliance. Note: The project engineer has performed preliminary pull tests and has determined that the deck is adequate to provide needed pull tests. However, these were not official tests. It is the responsibility of the contractor and manufacturer to perform pull tests to ensure wind uplift and warranty compliance.
 - 2. For bid purposes, contractor shall include an allowance 500 square feet of repair of lightweight concrete deck. These repairs will be required over numerous separate areas throughout the roof. This shall be bid into the base bid as an allowance. If more is needed, additional funds may be authorized based upon unit costs. If less is needed, credit will be given back to the owner per unit price.
 - 3. Roof Attachment:
 - a. Method #1 (preferred): Adhere specified tapered insulation and coverboard directly to the deck using manufacturer approved adhesive.
 - b. Method #2: Install approved base sheet fastened to lightweight insulating concrete using approved fasteners. Adhere tapered insulation and coverboard to base sheet.
 - c. Lower roof area has a structural concrete deck. Therefore, use Method #1 above at this area.
 - 3. Adhere 80 mil PVC single ply membrane to substrate with approved adhesive.
 - 4. Perimeter and projection flashings:
 - a. Provide all flashing and penetration details in accordance with the detail drawings and manufacturer guidelines as specified in section 07 54 00 Thermoplastic Membrane Roofing.
 - b. At raised or flat edges, install new coated sheet metal. Any sheet metal that seals into roof membrane shall be coated metal as provided by the manufacturer. Refer to section 07 15 00 Sheet Metal Waterproofing.
 - c. Remove Joem type drains and install manufacturer approved drain inserts in accordance with section 22 14 29.13 Roof Drainage.
 - 5. Provide owner with a five (5) year contractor guarantee as specified in section 07 54 00.
 - 6. Provide owner with a twenty (20) year no-dollar-limit manufacturer warranty covering labor, materials, and metal flashings as specified in section 07 54 00 Thermoplastic Membrane Roofing.
- C. Install new exterior ladder as specified in section 05 51 33.13 Vertical Metal Ladders.

APPLICABLE CODES:

1. 2010 CALIFORNIA CODE OF REGULATIONS TITLE 24 - PARTS 1, 2, 6, 9 and 12.
2. STATE OF CALIFORNIA TITLE 24 (2010 EDITION) - PART 4 CALIFORNIA MECHANICAL CODE/AMMENDMENTS WITH 2000 UMC
3. STATE OF CALIFORNIA TITLE 24 (2010 EDITION) - PART 5 CALIFORNIA PLUMBING CODE WITH 2000 UPC
4. STATE OF CALIFORNIA TITLE 24 (2010 EDITION) - PART 6 CALIFORNIA ENERGY CODE
5. STATE OF CALIFORNIA TITLE 24 (2010 EDITION) - PART 9 CALIFORNIA FIRE CODE/AMMENDMENTS WITH 2000 UFC
6. STATE OF CALIFORNIA TITLE 24 (2010 EDITION) - PART 12 CALIFORNIA REFERENCED STANDARDS CODE
7. TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
8. 2008 CALIFORNIA ENERGY CODE
9. NRCA (LATEST EDITION) NATIONAL ROOFING CONTRACTORS ASSOCIATION GUIDELINES
10. UL 790 Class A fire rating.

DRAWING TABLE OF CONTENTS

- A-1 Title Page
- A-2 Roof Plan Drawing
- A-3 Flashing Details
- A-4 Flashing Details

Occupancy Group: I-3 Juvenile Hall
Type of Construction: Non-combustible - concrete
Sprinklers: No
Stories: Varies. 1 to 3 stories.
Height: Varies. 20 ft. to 45 ft.
Roof Area: Varies. See A-2
APN # 003 851 019

Drawn by:
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Skyline Engineering

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No.	Revision/Issue	Date

Firm Name and Address

PROJECT TITLE:
Juvenile Hall Interim Repairs
Gymnasium Roof Replacement
1420 Natividad
Salinas CA
Project No. 8785
Bid No. 10410

Date: Feb 2013
Sheet: **A-1**
Title Page

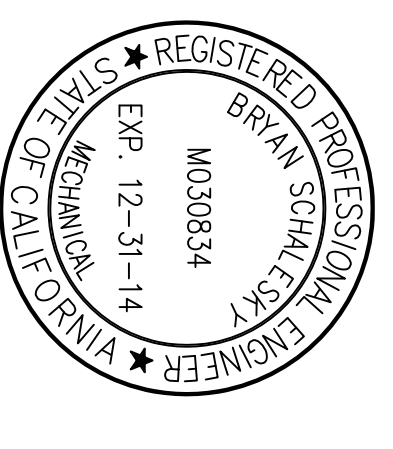
GENERAL NOTES
 Equipment and projection locations are approximate.
 Not all projections are shown.
 Contractors are responsible for all measurements and projection counts.

SHEET NOTES

1. INSTALL 1/2" PER 12" TAPERED INSULATION IN ORDER TO ELIMINATE PONDING AT CORNERS OF THE ROOF.
2. INSTALL CRICKETS AS SHOWN. CRICKET SLOPE SHALL BE 1/2" PER 12"
3. ELECTRICAL CONDUIT. REFER TO DETAIL #6 ON A4.
4. INSTALL NEW LADDER AT THIS LOCATION. REFER TO WRITTEN SPECIFICATIONS SECTION 055133.13 VERTICAL METAL LADDERS.
5. AT THE UPPER ROOF AREA WHERE TAPERED INSULATION IS NOT USED, NO THERMAL INSULATION IS NECESSARY. ADHERE COVERBOARD OVER LIGHTWEIGHT INSULATING CONCRETE. ADHERE MEMBRANE TO COVERBOARD.
6. For bid purposes, contractor shall include an allowance 500 square feet of repair of lightweight concrete deck. These repairs will be required over numerous separate areas throughout the roof. This shall be bid into the base bid as an allowance for repairs to be needed. Additional allowance shall be needed for repairs if these repairs are needed. credit will be given back to the owner per unit prices.

SQUARE FOOTAGE ESTIMATES (Contractors shall verify all measurements)

1. UPPER ROOF AREA - 3,344 SF
2. LOWER ROOF AREA - 750 SF

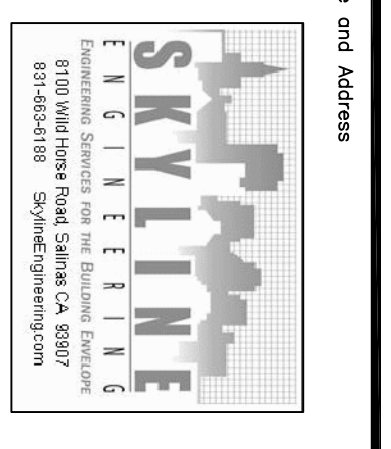


Drawn by:
 Bryan Schalesky
 Skyline Engineering

David Pratt

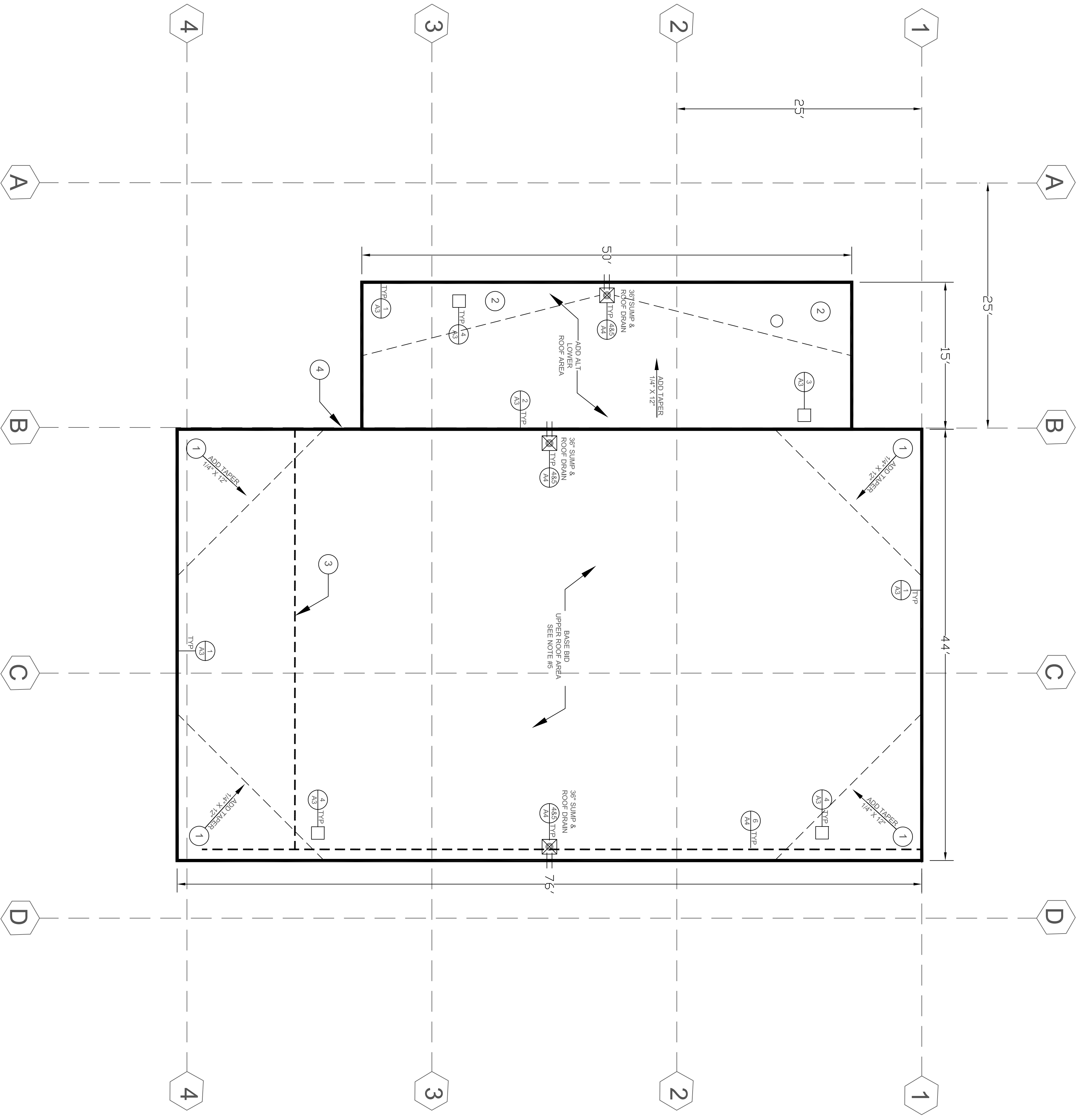
Project Manager, Facilities
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 Department of Public Works
 (831)755-4982
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 dprattdw@co.monterey.ca.us

No.	Revision/Issue	Date

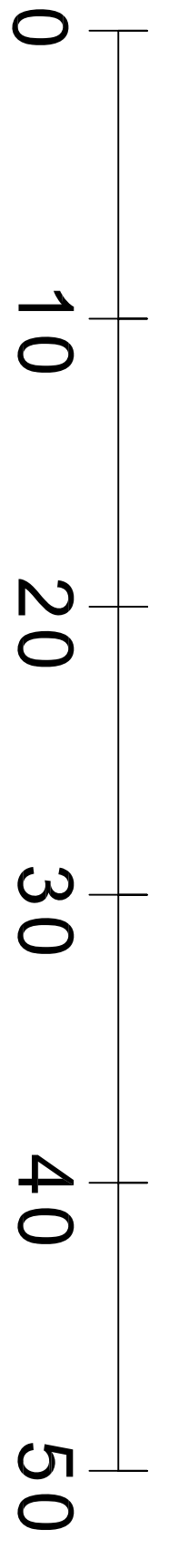


Project Name and Address
PROJECT TITLE:
 Juvenile Hall Interim Repairs
 Gymnasium Roof Replacement
 1420 Natividad
 Salinas, CA
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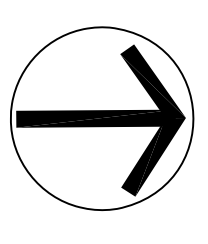
Project Gym Roof Replacement	Sheet A-2 Roof Plan
Date Feb 2013	



SCALE CHECK

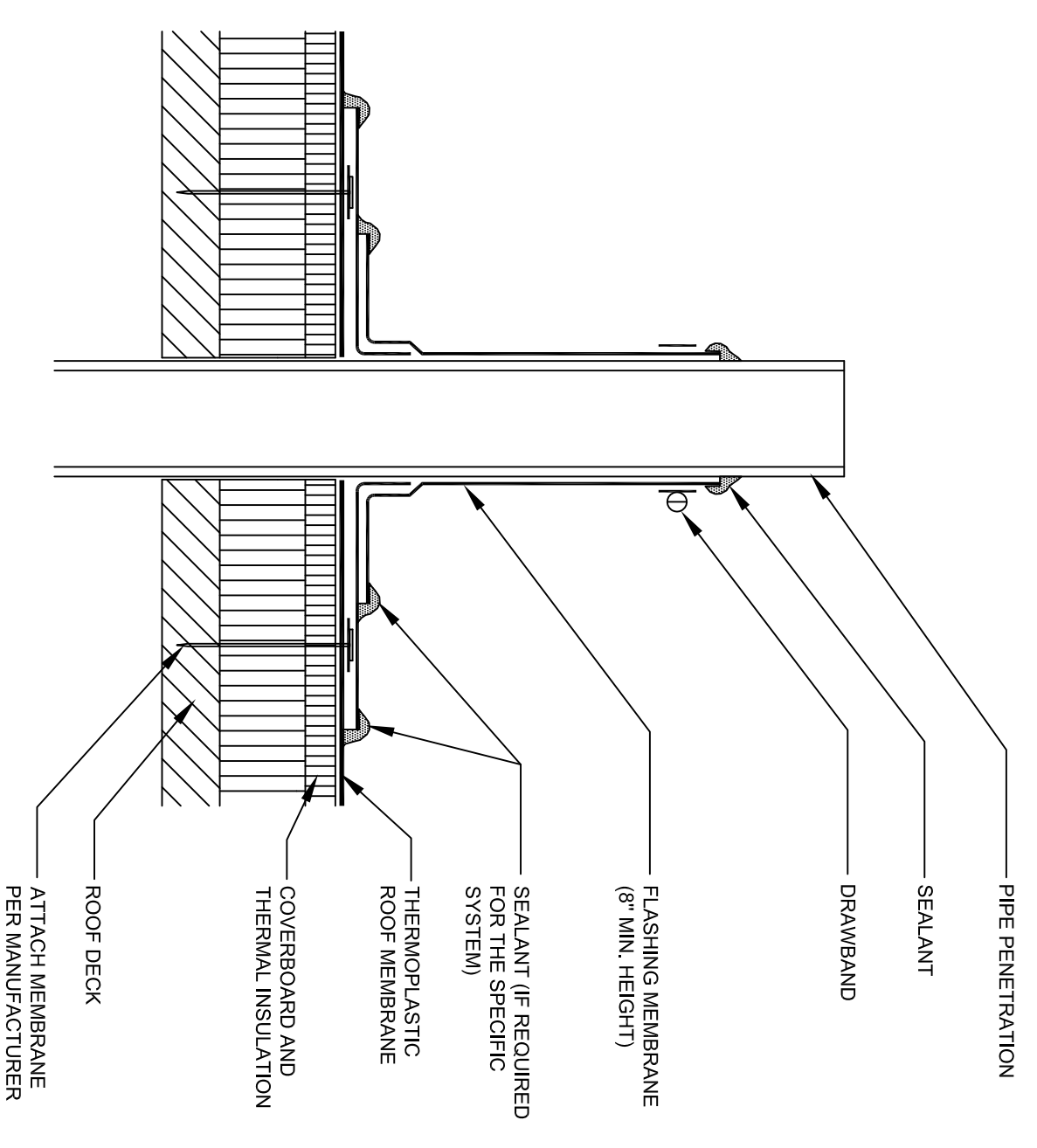


SCALE 1" = 8' DUE TO PRINTING IMPERFECTIONS CONTRACTORS SHALL VERIFY ALL MEASUREMENTS

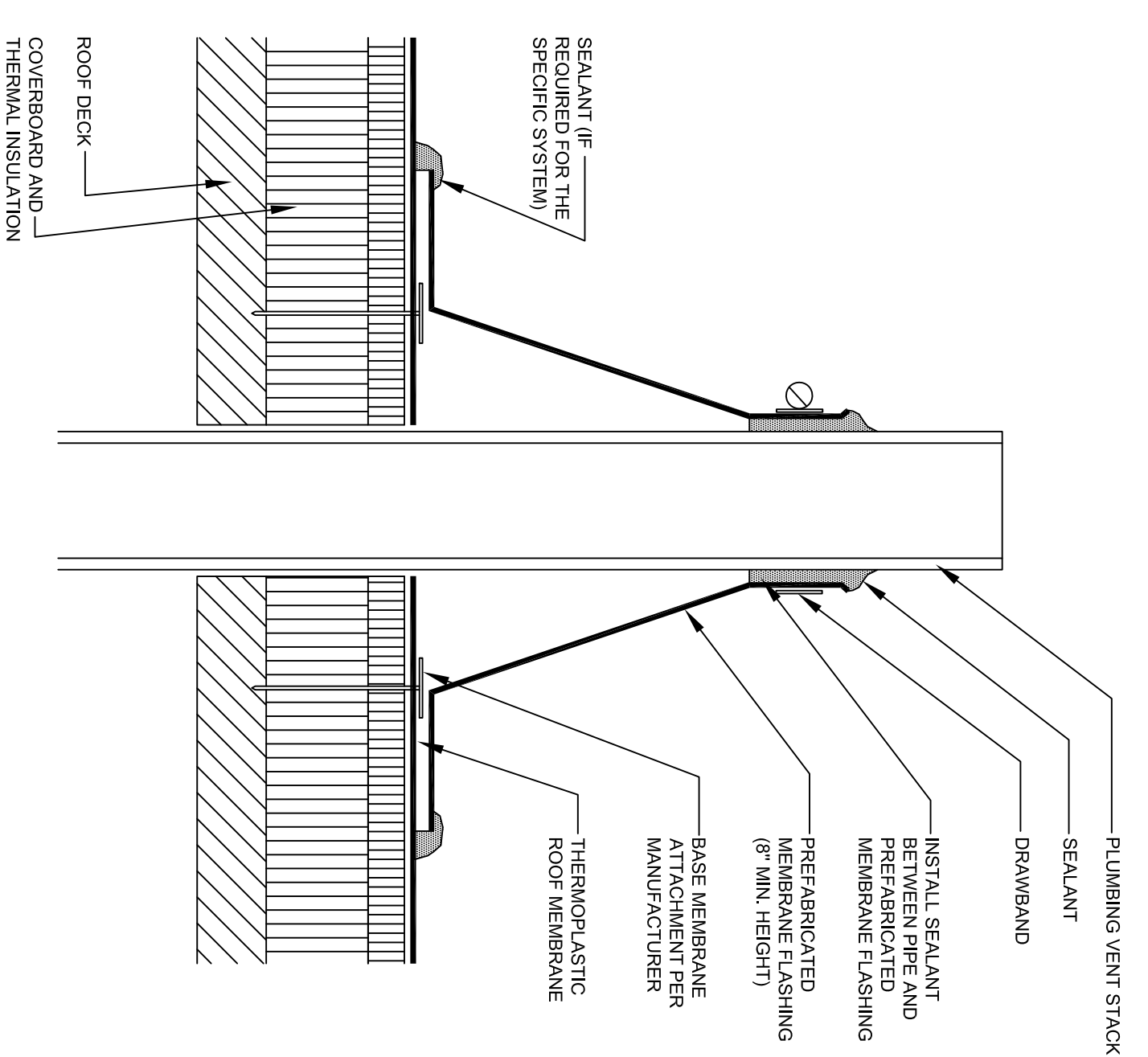


GENERAL NOTES

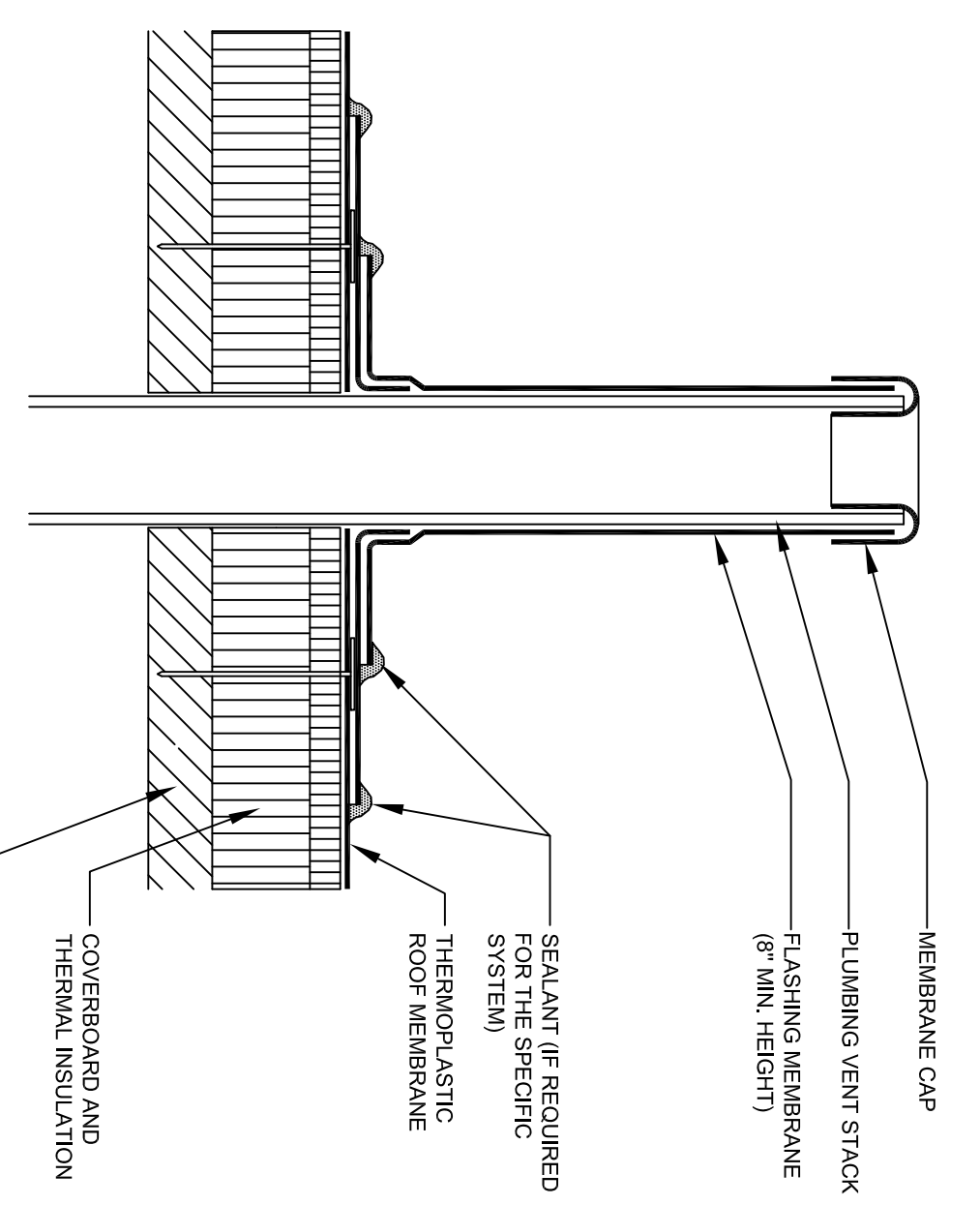
The purpose of these detail drawings is to provide the manufacturer and installer with the information for installation and protection flashings. These drawings do not depict as-built conditions for the substrate. When field conditions warrant alteration of these details, the installer shall notify the 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. Use these detail drawings in conjunction with written specifications.



3 PIPE PENETRATION (FIELD WRAP)



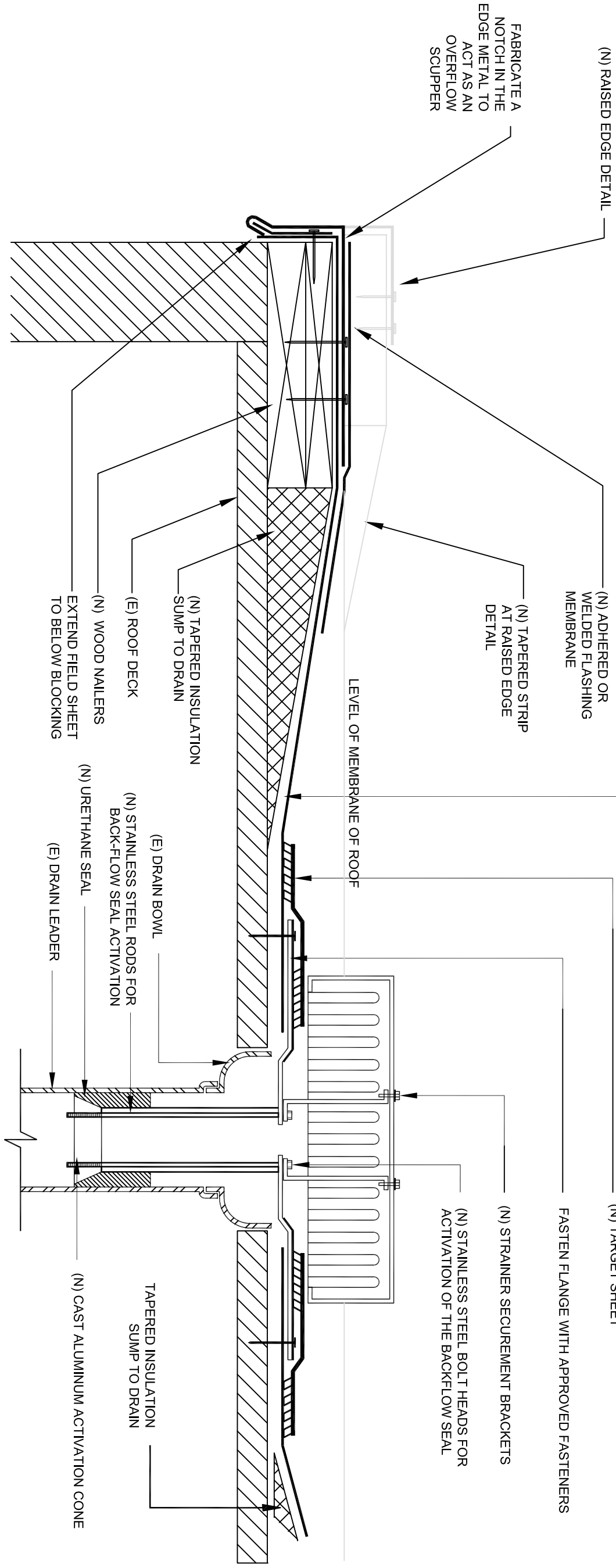
2 PLUMBING VENT (PREMANUFACTURED BOOT)



1 PLUMBING VENT (FIELD WRAP)

NOTE: EXTEND PLUMBING VENTS TO A MINIMUM OF 8" ABOVE THE FINAL ROOF SURFACE IN ACCORDANCE WITH PLUMBING CODE.

NOTE: EXTEND PLUMBING VENTS TO A MINIMUM OF 8" ABOVE THE FINAL ROOF SURFACE IN ACCORDANCE WITH PLUMBING CODE.

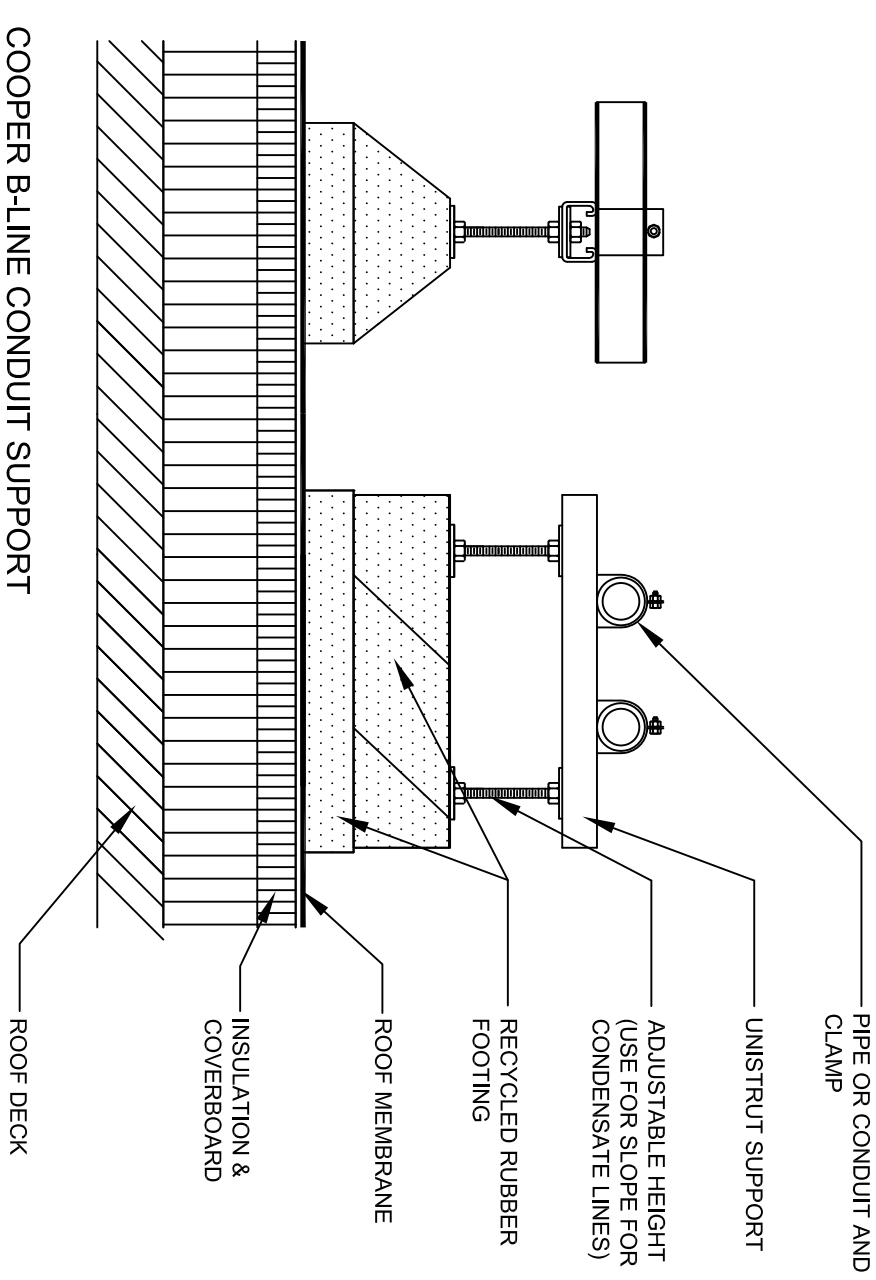


NOTES ON SCUPPER NOTCH:
 1. THIS DETAIL SHOWS A SCUPPER "SLOT" THAT IS CUT OUT OF THE RAISED EDGE DETAIL IN ORDER TO
 2. INSTALL ONE OVERFLOW SCUPPER FOR EACH PRIMARY ROOF DRAIN.
 3. SCUPPER OUTLET SHALL BE 2" HIGHER THAN PRIMARY DRAIN.
 4. SCUPPER WIDTH SHALL BE 4".

NOTES ON DRAIN INSERT:
 1. PROVIDE 3X3 SLUMP TO FACILITATE DRAINAGE.
 2. LOWER DRAIN TO DECK LEVEL. REMOVE JOSEAL BOWL, IF NECESSARY.
 3. IF MANUFACTURER DOES NOT APPROVE RAC OR QTY/LW DRAIN INSERTS, CONTRACTOR SHALL SUBMIT APPROVED DRAIN INSERT TO ENGINEER FOR APPROVAL.

4 SCUPPER THROUGH ROOF EDGE

5



NOTES: EITHER OF THESE SUPPORTS FOR ELECTRICAL CONDUITS, BASE SHALL BE ADHERED TO ROOF MEMBRANE. MOVING, USE APPROVED SEALANT AND DO NOT USE TRAPPING SPRINGS TO SECURE LINE TO SUPPORT.

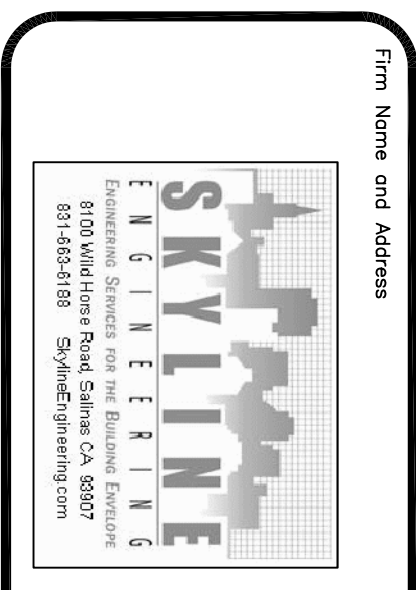
PORTABLE PIPE HANGERS INC. PP-10

6 ELECTRICAL CONDUIT SUPPORT

Drawn by:
 Bryan Schalesky
 Skyline Engineering



No.	Revision/Issue	Date



Project Name and Address
PROJECT TITLE:
 Juvenile Hall Interim Repairs
 Gymnasium Roof Replacement
 1420 Natavidad
 Salinas CA
 Project No. 8785
 Bid No. 104110

Project: Gym Roof Replacement	Sheet: A-4 Penetration Details
Date: Feb 2013	Scale: none