

**PROJECT TITLE: Roof Repairs & Renovations**  
**County of Monterey**

**Roof Replacement Courthouse**

**ADDRESS: 1200 Aguajito, Monterey CA**

**PROJECT NO.: 8543**

<p><b>SECTION 00 24 00</b>  <b>PROCUREMENT SCOPE</b>          (Master Scope of Work)</p> <p>A. Remove existing roofing system, insulation, and flashings in accordance with section 02 41 19.13. Selective Building Demolition, 02 82 00 Asbestos Remediation, and 02 83 00 Lead Remediation.          B. Provide odor control measures at all air intakes as specified in section 07 54 00 Thermoplastic Membrane Roofing.          C. Check decking for deflection. Modify decking in order to eliminate deflected areas that may cause ponding as specified in section 07 54 00 Thermoplastic Membrane Roofing. For bid purposes, contractor shall include the modification of 2% (350 square feet at the Courthouse) of the roof deck surface in order to eliminate deflection. 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 prices.          D. Install wood nailing and curbs in order to accommodate increased insulation heights in accordance with section 06 10 00 Rough Carpentry.          E. Adhere 1/4" per foot tapered isocyanurate insulation and coverboard to the deck as specified in section 07 54 00 Thermoplastic Membrane Roofing.          F. Install drainage crickets as specified in section 07 54 00 Thermoplastic Membrane Roofing.          G. Install curbs on the high sides of all curbs as specified in section 07 54 00 Thermoplastic Membrane Roofing.          H. Add alternate: Install temporary roof and cellular insulating concrete slope to drain as specified in section 03 52 16 Lightweight Insulating Concrete.          I. Adhere specified 80 mil PVC membrane as specified in section 07 54 00 Thermoplastic Membrane Roofing.          J. Install walkpads from roof access points to all serviceable equipment as specified in section 07 54 00 Thermoplastic Membrane Roofing and shown on the plan drawings.          K. Install pipe hangers under all chiller lines, electrical conduits, condensation lines and other horizontal lines running along the roof as specified in section 07 54 00 Thermoplastic Membrane Roofing and shown on the detail drawings.          L. Perimeter and projection flashings:          1. 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.          2. Drawings included with these specifications are not meant to accurately depict substrate conditions. They are meant to provide NRCA guidelines for basic flashing installation according to the system specified.          3. If a manufacturer standard and required detail differs from that shown on the project detail drawings included in these specifications, contractor shall submit manufacturer approved drawing to the Owner and Engineer for approval. If the manufacturer requirements for a flashing detail is less stringent than those shown in the project drawings, the more stringent flashing detail shall govern with the approval of the manufacturer providing the warranty for this project.          M. Provide owner with a five (5) year contractor guarantee as specified in section 07 54 00 Thermoplastic Membrane Roofing.          N. 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.</p>	 <p><b>APPLICABLE CODES:</b></p> <ol style="list-style-type: none"> <li>1. 2013 CALIFORNIA CODE OF REGULATIONS TITLE 24 - PARTS 1, 2, 6, 9 and 12.</li> <li>2. STATE OF CALIFORNIA TITLE 24 (2013 EDITION) - PART 4 CALIFORNIA MECHANICAL CODE/AMENDMENTS WITH 2000 UMC</li> <li>3. STATE OF CALIFORNIA TITLE 24 (2013 EDITION) - PART 5 CALIFORNIA PLUMBING CODE WITH 2000 UPC</li> <li>4. STATE OF CALIFORNIA TITLE 24 (2013 EDITION) - PART 6 CALIFORNIA ENERGY CODE ROOFING SYSTEM SHALL POSSESS A COOL ROOF RATING FROM THE CALIFORNIA COOL ROOF RATING COUNCIL.</li> <li>5. STATE OF CALIFORNIA TITLE 24 (2013 EDITION) - PART 9 CALIFORNIA FIRE CODE/AMENDMENTS WITH 2000 UFC</li> <li>6. STATE OF CALIFORNIA TITLE 24 (2013 EDITION) - PART 12 CALIFORNIA REFERENCED STANDARDS CODE</li> <li>7. TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS</li> <li>8. 2008 CALIFORNIA ENERGY CODE</li> <li>9. NRCA (LATEST EDITION) NATIONAL ROOFING CONTRACTORS ASSOCIATION GUIDELINES</li> <li>10. UL 790 Class A fire rating.</li> <li>11. ASCE 7-05 Wind Design loads as follows: Field - 26.70 psf, Perimeter - 40.49 psf, Corners - 57.72 psf.</li> </ol>
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**DRAWING TABLE OF CONTENTS**

- A-1 Title Page
- A-2 Roof Plan Drawing
- A-3 Details
- A-4 Details
- A-5 Roof Drainage

Drawn by:  
 Bryan Schalesky  
 Skyline Engineering

David Pratt  
 Project Manager, Facilities  
 County of Monterey,  
 Resource Management Agency  
 Department of Public Works  
 (831) 798-6091  
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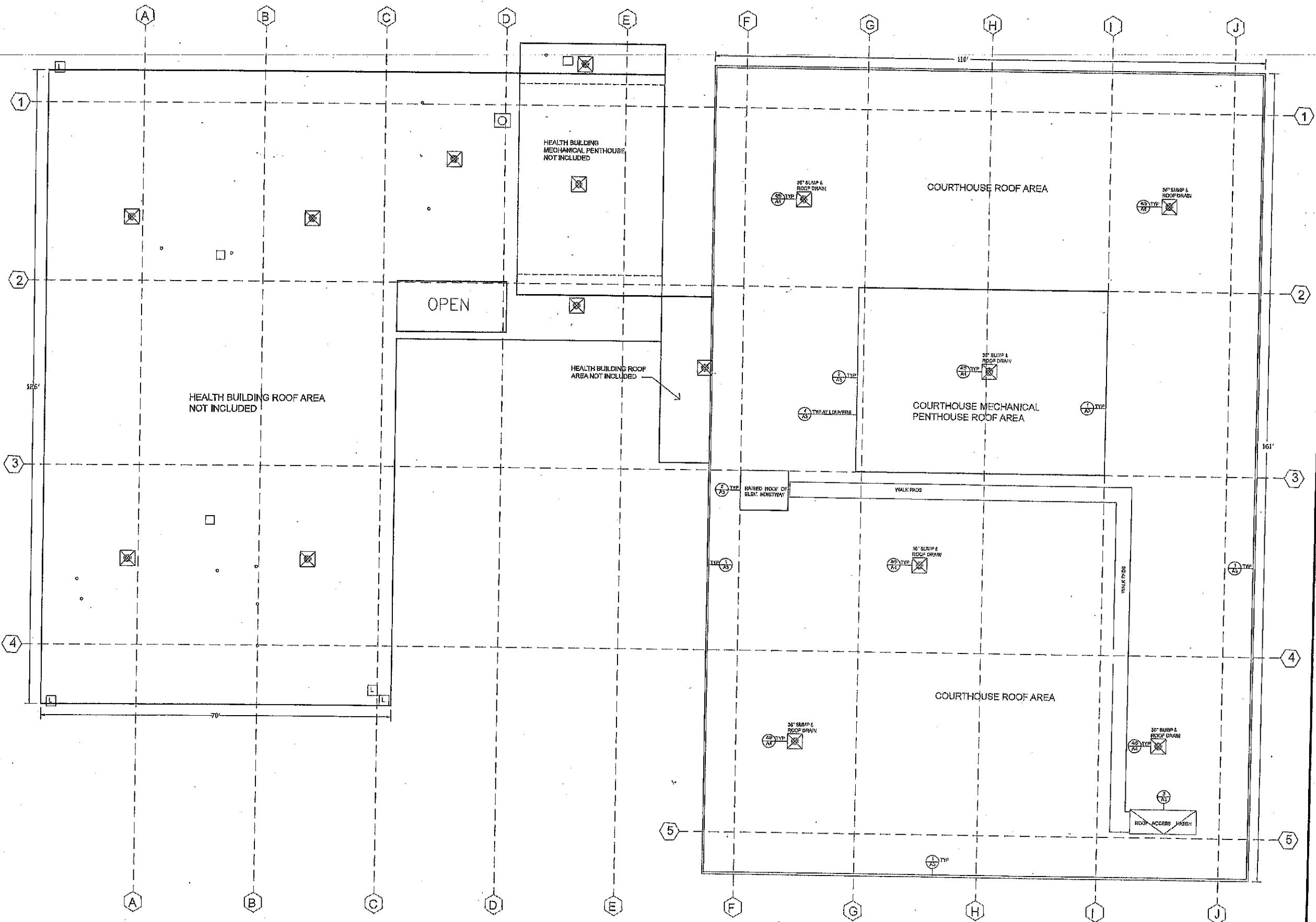
No.	Revision/Issue	Date
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Firm Name and Address

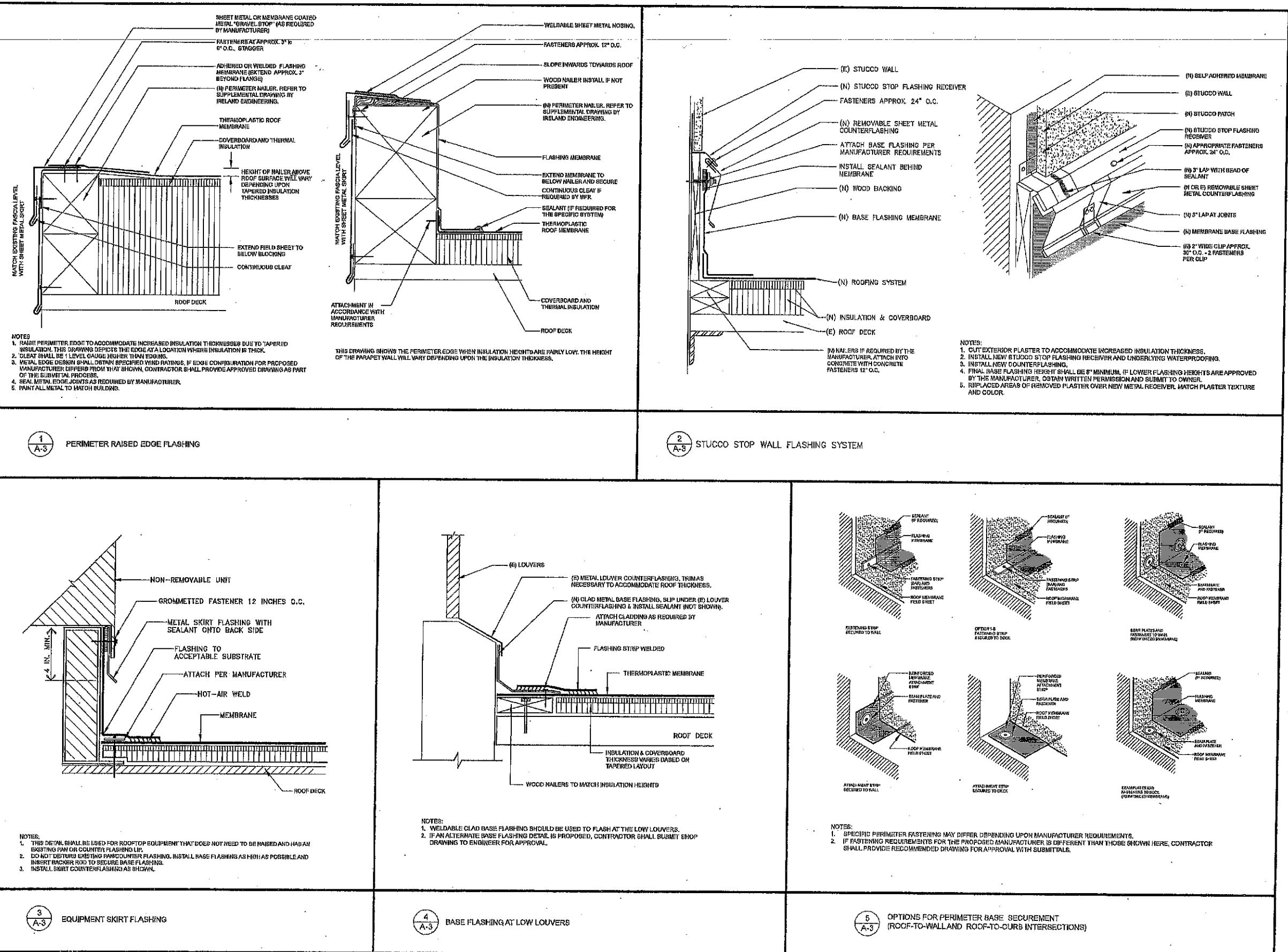
SKYLINE ENGINEERING, INC.  
 8100 Wild Horse Road  
 Salinas CA 93907

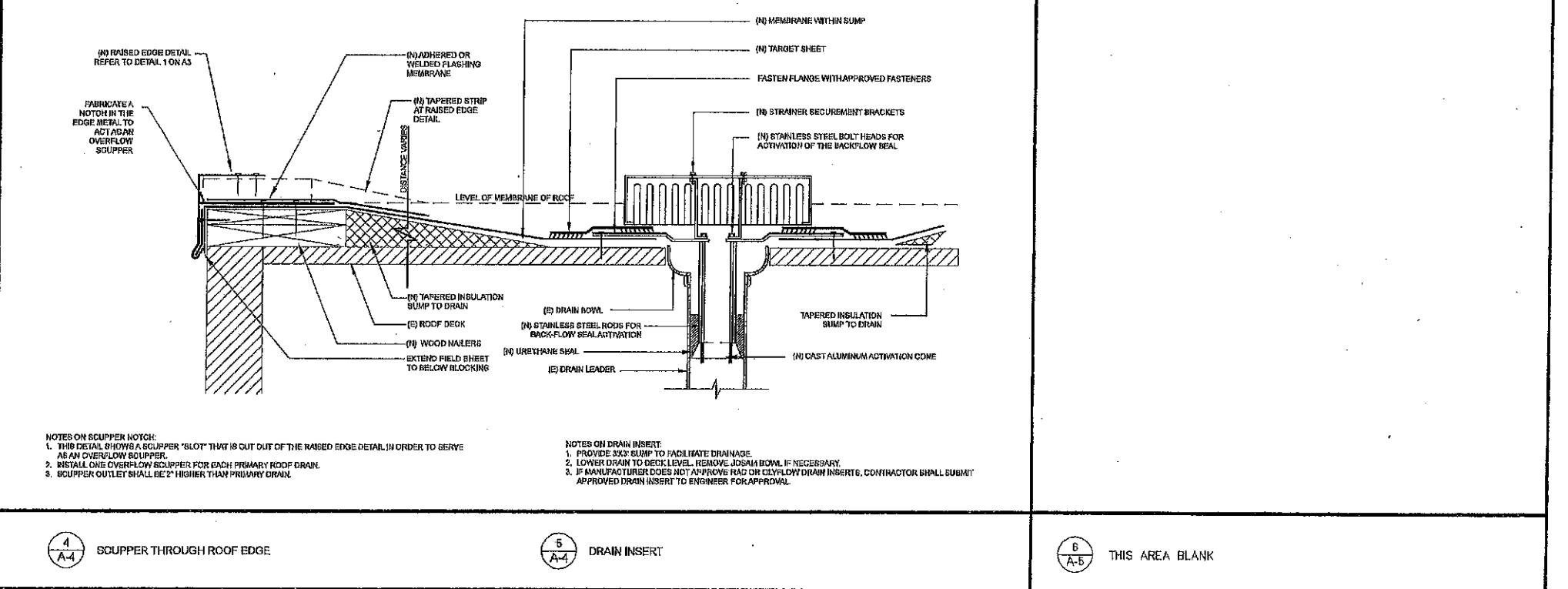
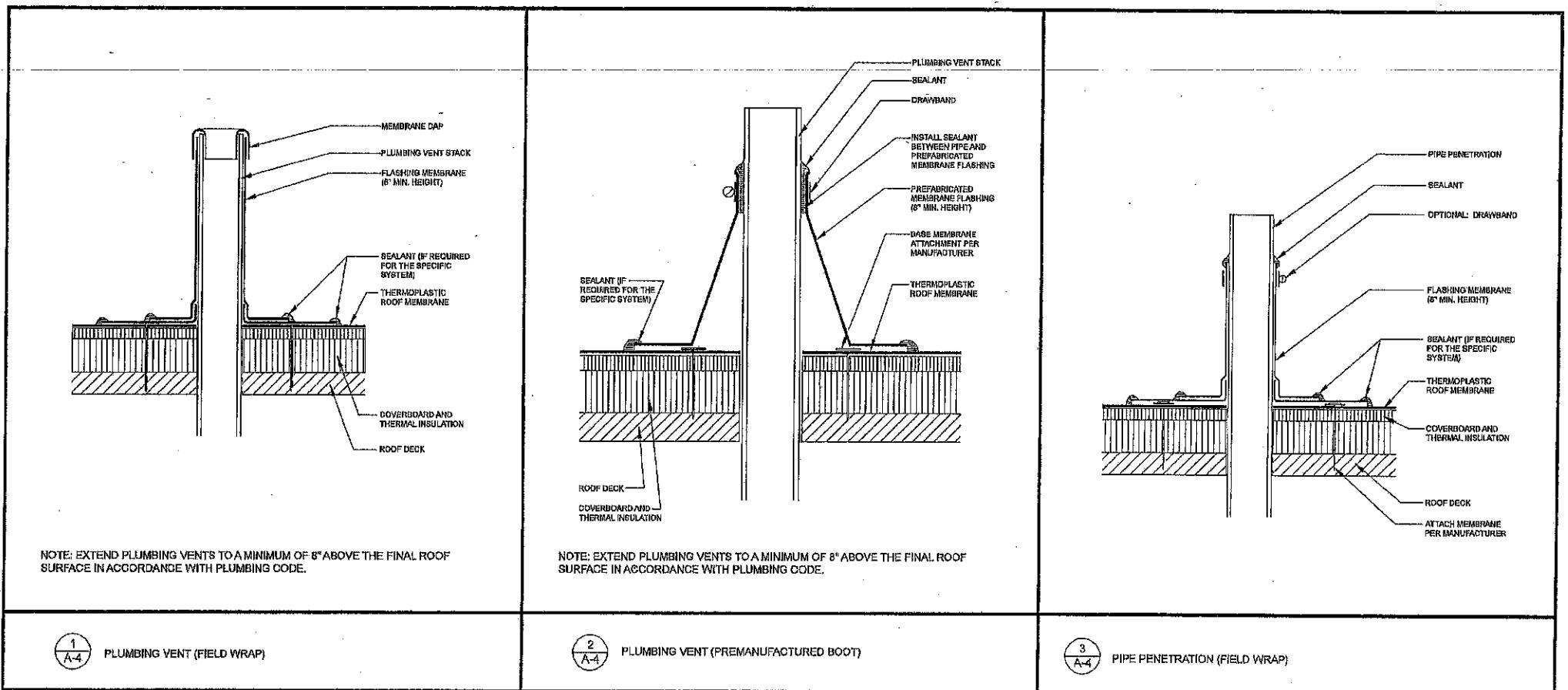
**PROJECT TITLE:**  
 Roof Repairs and Renovations  
 County of Monterey  
 Roof Replacement  
 Courthouse  
**ADDRESS:** 1200 Aguajito  
 Monterey CA  
**PROJECT NO.:** 8543

Date	Sheet
Dec 2013	A-1 Title Page

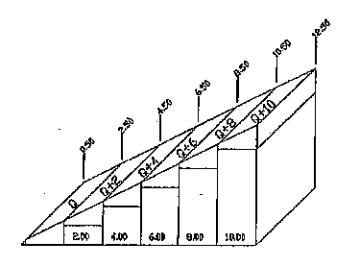


General Notes		
<p>Equipment and projection locations are approximate. Not all projections are shown. Contractors are responsible for all measurements and projection counts. Not all projections are shown. Horizontal conduits not shown.</p>		
Scale Chk:	0' 10' 20' 30'	
<p>Drawn by: Bryan Schalesky Skyline Engineering</p>		
<p>David Pratt Project Manager, Facilities County of Monterey, Resource Management Agency Department of Public Works (831) 796-6091 prattdw@co.monterey.ca.us</p>		
No.	Revision/Issue	Date
Firm Name and Address		
SKYLINE ENGINEERING 8100 Wild Horse Road Salinas CA 93907		
Project Name and Address		
<p>PROJECT TITLE: Roof Replacement - Courthouse County of Monterey Roof Replacement Courthouse ADDRESS: 1200 Aguirre Monterey CA PROJECT NO: 6649</p>		
Project: Roofing @ County Courthouse Bldg		Sheet
Date: Dec 2013		A-2
Scale: 1" = 16' 1/16" = 1'		Roof Plan

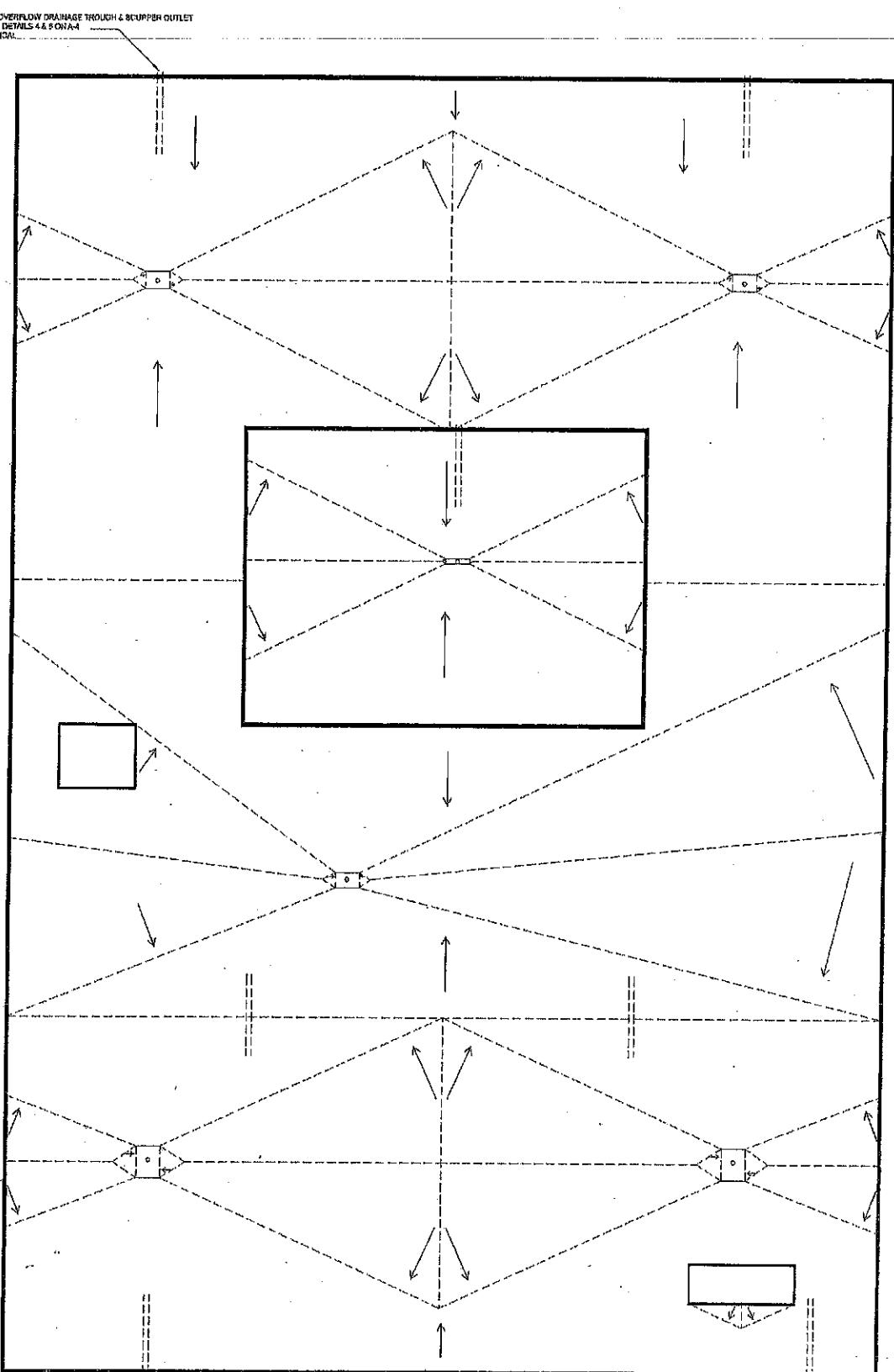




GENERAL NOTES									
<p>The purpose of these detail drawings is to provide the installer with a basic guideline for the installation of insulation and protection flashings.</p> <p>These drawings do not depict as-built conditions for the substrate. Where field conditions warrant alteration of these details, the installer shall notify the owner and design engineer.</p> <p>If conflict exists between these detail drawings and the listing tables as published by the manufacturer, providing that warranty for this project, the more stringent requirements shall govern.</p> <p>Use these detail drawings in conjunction with written specifications.</p>									
<p>Drawn by: Bryan Schalesky Skyline Engineering</p> <p>REGISTERED PROFESSIONAL ENGINEER BRYAN SCHALESKY M030834 EXP. 12-31-14 CALIFORNIA</p> <table border="1"> <tr> <td>No.</td> <td>Revision/Issue</td> <td>Date</td> </tr> </table> <p>Firm Name and Address SKYLINE ENGINEERING 8100 Wild Horse Road Salinas CA 93907</p> <p>Project Name and Address PROJECT TITLE: Roof Repair and Renovations County of Monterey Roof Replacement Courthouse ADDRESS: 1200 Aguilera Monterey CA PROJECT NO.: 8643</p> <table border="1"> <tr> <td>Project Roof Replacement</td> <td>Sheet A-4 Penetration Details</td> </tr> <tr> <td>Date Dec 2013</td> <td>Scale None</td> </tr> </table>			No.	Revision/Issue	Date	Project Roof Replacement	Sheet A-4 Penetration Details	Date Dec 2013	Scale None
No.	Revision/Issue	Date							
Project Roof Replacement	Sheet A-4 Penetration Details								
Date Dec 2013	Scale None								



TYPICAL CROSS SECTION - 1/2" PER FOOT  
NOT TO SCALE



### General Notes

Install 1/4" per foot tapered insulation and cricket as shown. Cricket slope shall be 1/2" per foot.

Contractors are responsible for all measurements and elevation counts. Not all projections are shown.

Contractor shall raise any and all plumbing vents, curbs or flashings in order to enable the installation of the specified tapered insulation system.

Contractor would like to offer tapered insulation  
out from that shown, provide drawing during  
submittal process for review by owner and engineer.

eln sumps shall have tapered insulation installed in order to provide a continuous slope into the drain. Sump dimensions can be modified in order to maximize efficiency of tapered system.

Interior edges shall be raised in order to accommodate insulation/cricket thicknesses.

primary drains shall have overflow scuppers and/or overflow scuppers and troughs as shown, exact locations may vary, overflow outlets must be 2" above primary drains. Widths of scuppers shall be 6"

Image crickets on the high sides of curbs shall be a width that is 1/3 the length.

A circular registration stamp for Bryan Schalesky, Professional Engineer, State of California. The text "REGISTERED PROFESSIONAL ENGINEER" is at the top, "BRYAN SCHALESKY" is in the center, "M030834" is below it, "EXP. 12-31-14" is to the left, and "MECHANICAL" is to the right. The bottom arc of the circle contains "STATE OF CALIFORNIA".

Drawn by:  
Bryan Schalesky  
Skyline Engineering

Revision / Issue	Date

name and address

SKYLINE ENGINEERING  
8100 Wildhorse Road  
Salinas CA 93907

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Roofing @ County  
Courthouse Bldg  
c 2013  
A-5  
Roof  
Drainage  
Plan  
16' = 1'  
1/16' = 1"

