513 PICKENS STREET AND ANNEX ROOF REPLACEMENT PROJECT UNIVERSITY OF SOUTH CAROLINA OWNER'S PROJECT NUMBER: H27-6100



UNIVERSITY OF SOUTH CAROLINA

UNIVERSITY OF SOUTH CAROLINA COLUMBIA, SOUTH CAROLINA

SHEET NO: T-100 COVER SHEET M-100 CAMPUS MAP R-100 ROOF PLAN R-201 ROOF DETAILS R-202 ROOF DETAILS R-203 ROOF DETAILS R-204 ROOF DETAILS ROOF DETAILS ROOF DETAILS	INDEX OF DRAWINGS	
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TTE, NORTH CAROLINA . PH: 1.800.545.6159

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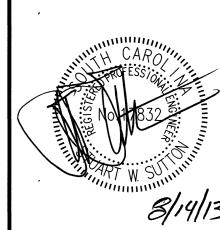
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ADDENDUM SUBMITTAL

RECORD DOCUMENTS

I ISSUE DATE:
AUGUST 14,2013

REVISIONS:

REV. NO: DATE: DESCRIPTION:

PROJECT TEAM:

DESIGNED BY:

AWM

DRAWN BY:

EGM

APPROVED BY:

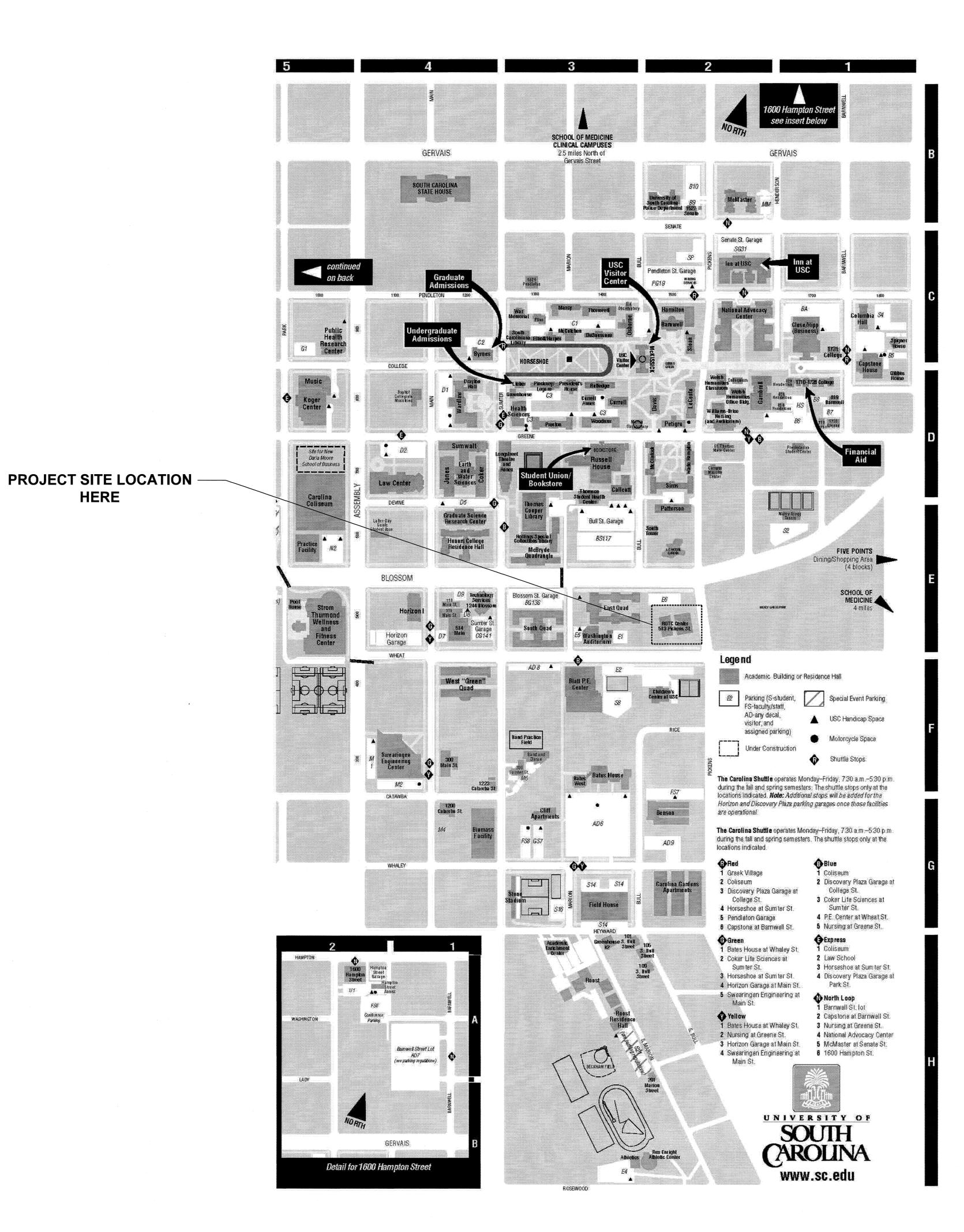
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SHEET NUMBER:

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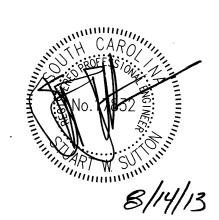
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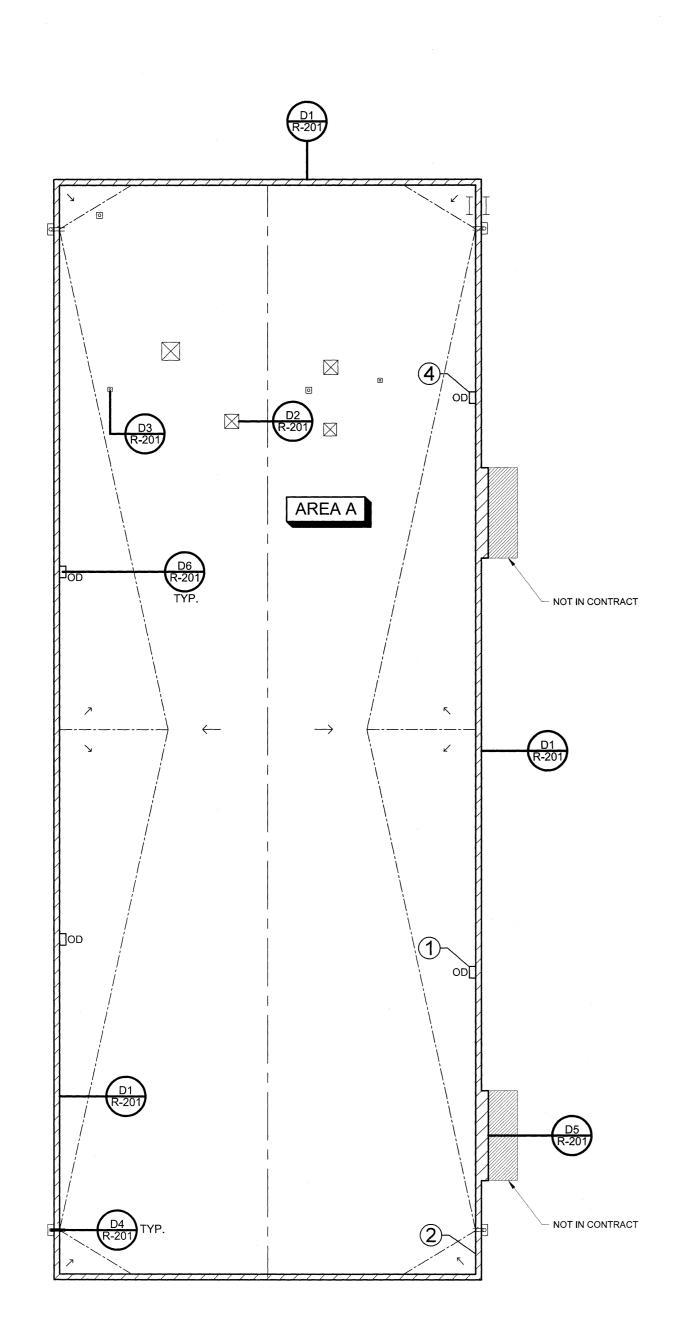
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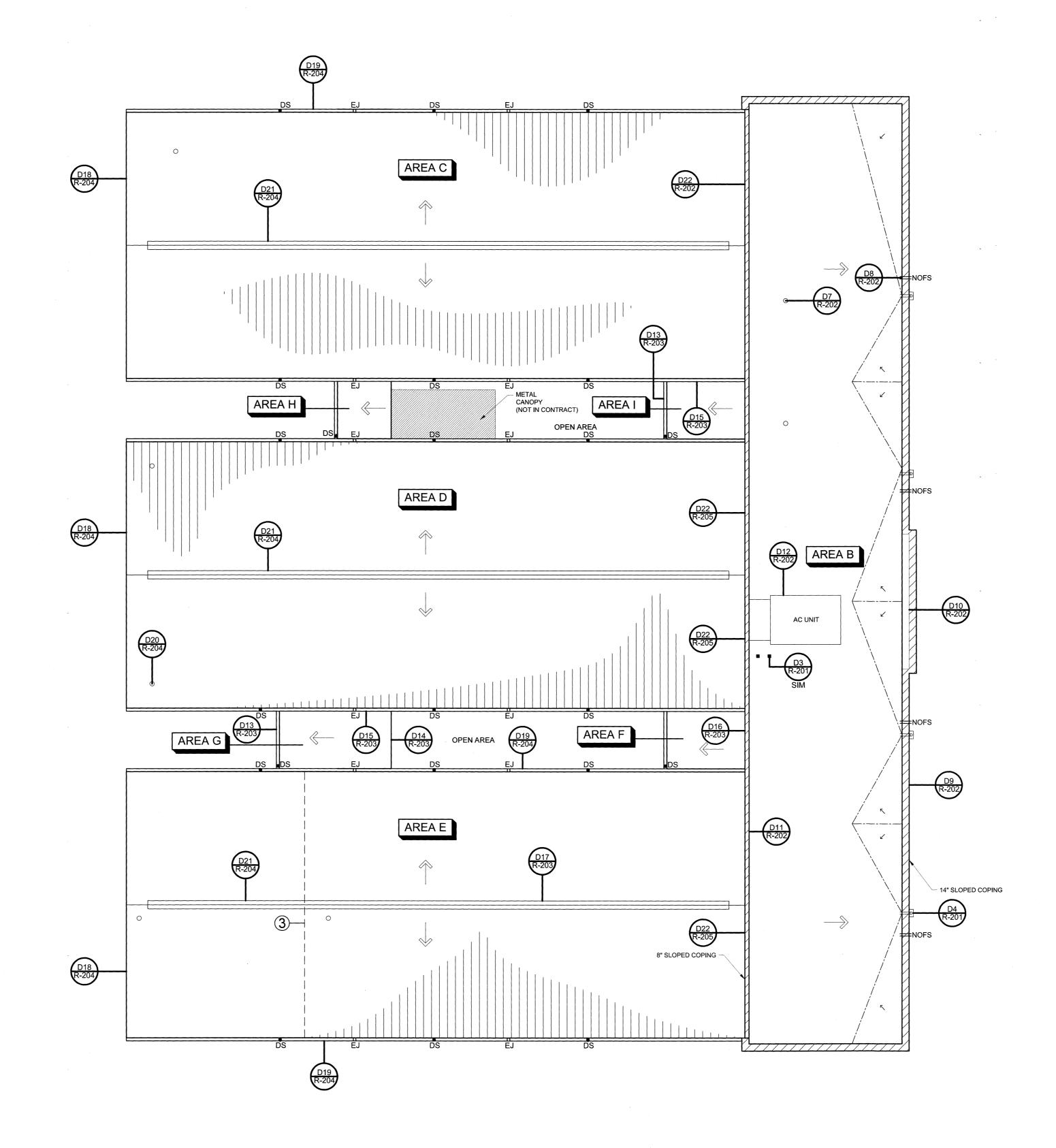
CAMPUS MAP

SHEET NUMBER:

CONSTRUCTION NOTES:

- 1. PREVIOUS ROOF REPLACEMENT PROJECT HAS COVERED AN OVERFLOW DRAIN AT THIS LOCATION. UNCOVER, TEST FOR CLOGS, FLASH AND CONNECT TO EXISTING DRAIN LEADER IN WALL AS UNIT PRICE WORK AS COVERED IN SPECIFICATIONS.
- 2. APPLY MANUFACTURER'S LIQUID FLASHING SYSTEM AT PENETRATION TO PARAPET WALLS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
- 3. DO NOT INSTALL INSULATION EAST OF THE LINE WHERE INSULATION DOES NOT CURRENTLY
- 4. MODIFY AS NECESSARY TO CLEAR TAPERED INSULATION/CRICKETS.







NEW OVERFLOW SCUPPER ROOF DRAIN WITH SCUPPER PARAPET

COVERED CURB FLASHED EQUIPMENT CURB PITCH PAN

● ○ VENT PIPE/PENETRATION HOT STACK ----- TAPERED INSULATION

DECK SLOPE OVERFLOW DRAIN

GUTTER WITH DOWNSPOUT EJ GUTTER WITH EXPANSION JOINT

CODE SUMMARY

INTERNATIONAL BUILDING CODE (2006 EDITION) AND ASCE 7-05

BASIC WIND SPEED IMPORTANCE FACTOR EXPOSURE CATEGORY = B INTERNAL PRESSURE COEF.

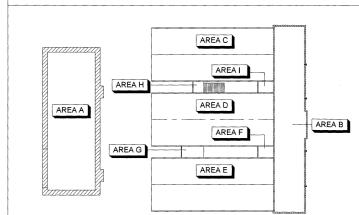
THE NEW ROOF SYSTEM SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE FOLLOWING WIND UPLIFT PRESSURES:

EDGE ZONE CORNER ZONE

= -44 PSF = -53 PSF

= 95 MPH = 1.15

KEYPLAN



PROJECT NAME AND ADDRESS:



513 PICKENS STREET AND ANNEX ROOF REPLACEMENT

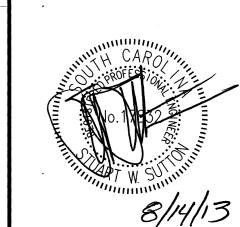
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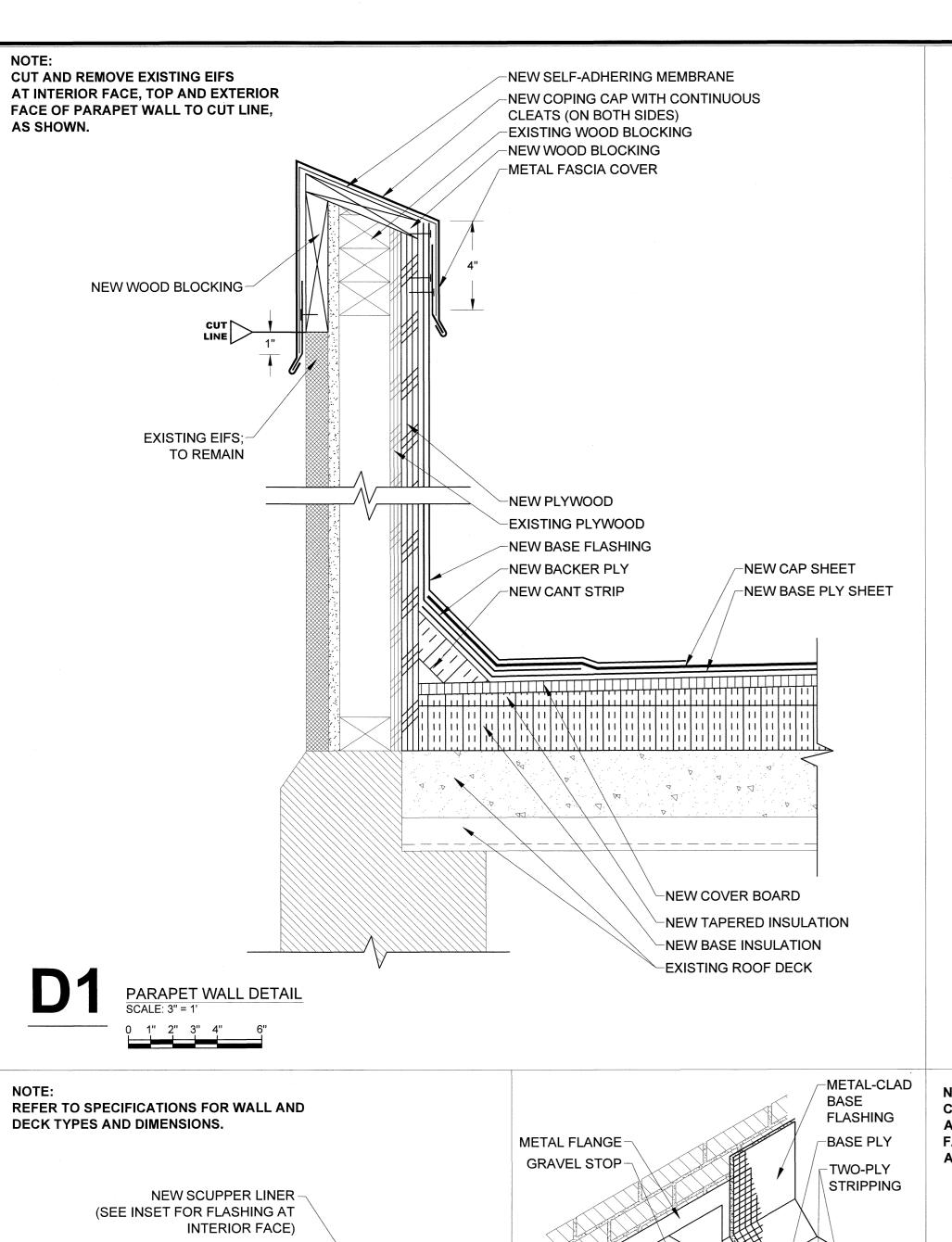
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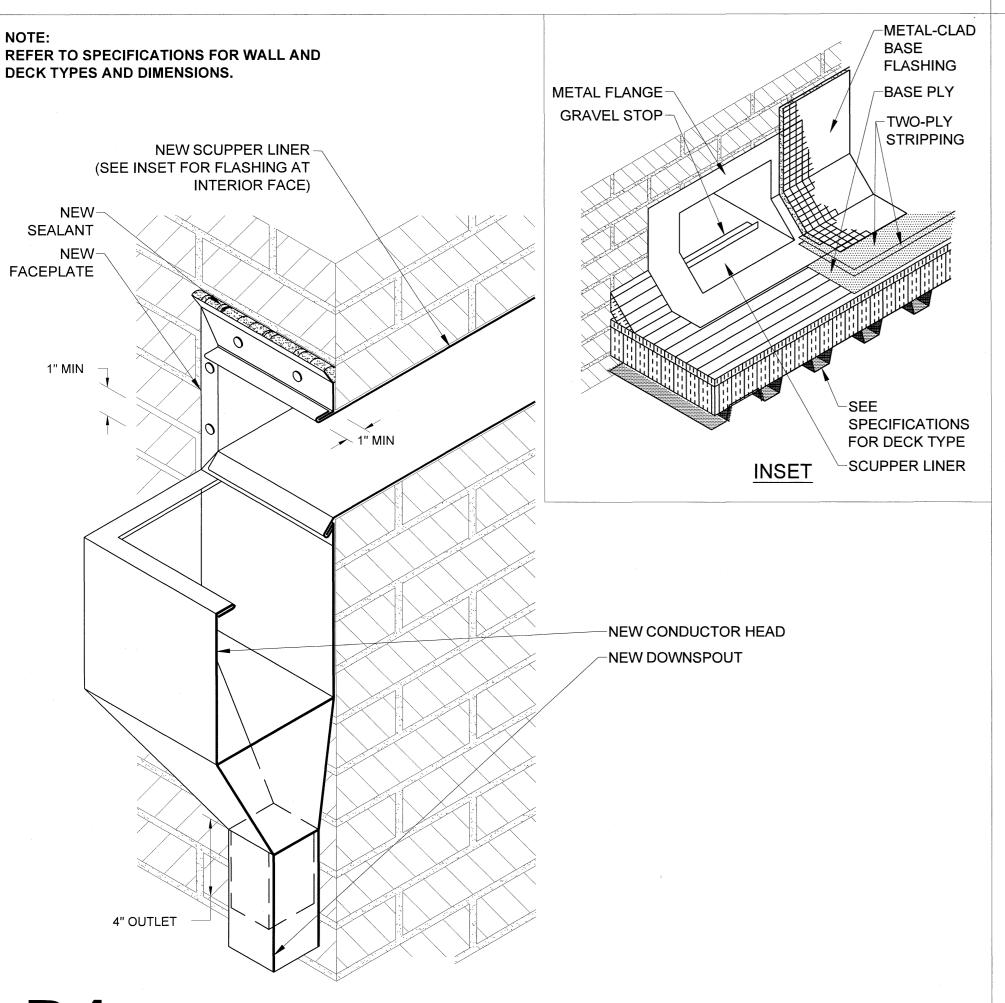
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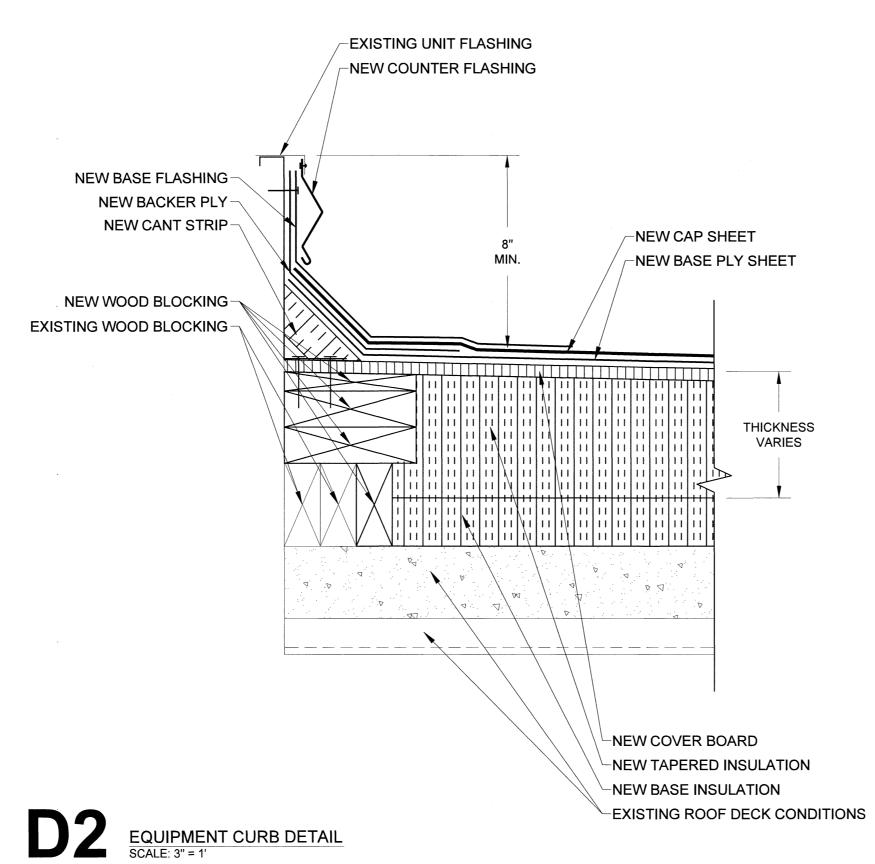
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DRAWN	BY:			
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ROOF PLAN

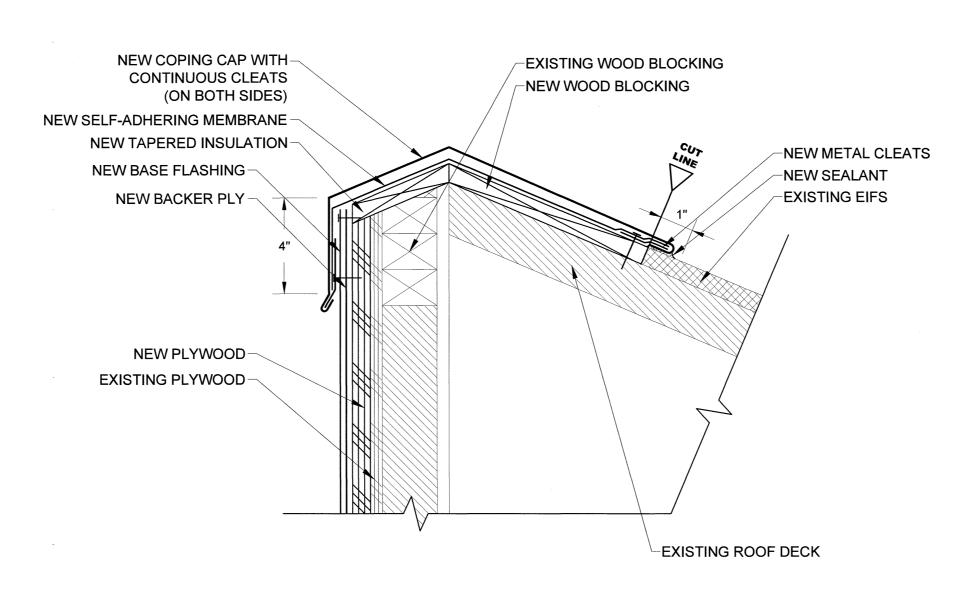




DRAIN SCUPPER WITH CONDUCTOR HEAD AND DOWNSPOUT



NOTE:
CUT AND REMOVE EXISTING EIFS
AT INTERIOR FACE, TOP AND EXTERIOR
FACE OF PARAPET WALL TO CUT LINE,
AS SHOWN.



CANOPY DETAIL

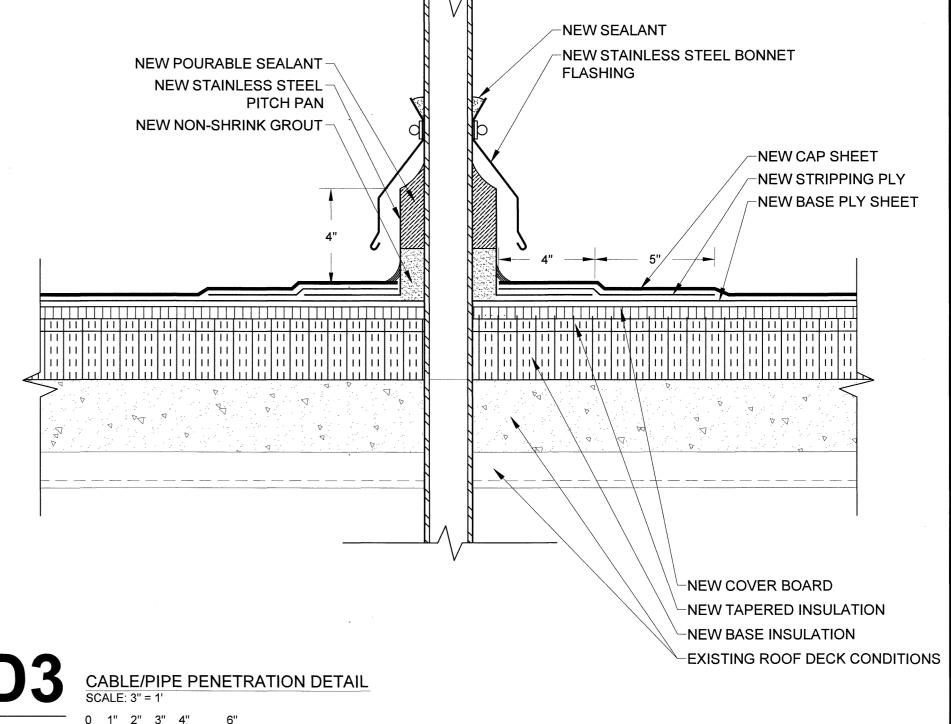
SCALE: 3" = 1'

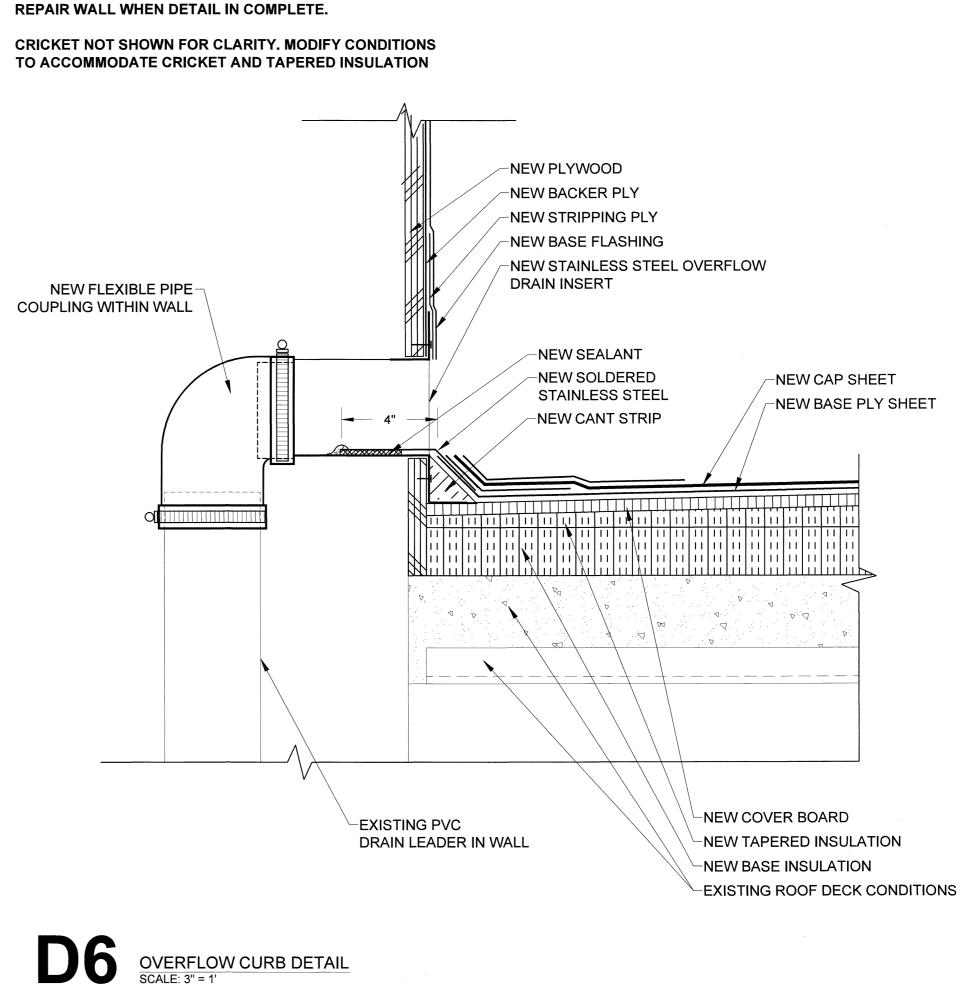
1 2" 3" 4" 6"

NOTE:
CRICKET NOT SHOWN FOR CLARITY. MODIFY CONDITIONS
TO ACCOMMODATE CRICKET AND TAPERED INSULATION

NOTE:

REMOVE WALL AS REQUIRED TO ACCESS INTERIOR SPACE.





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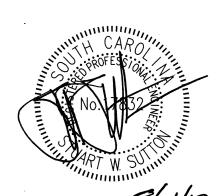
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EGM

APPROVED BY:

LTH

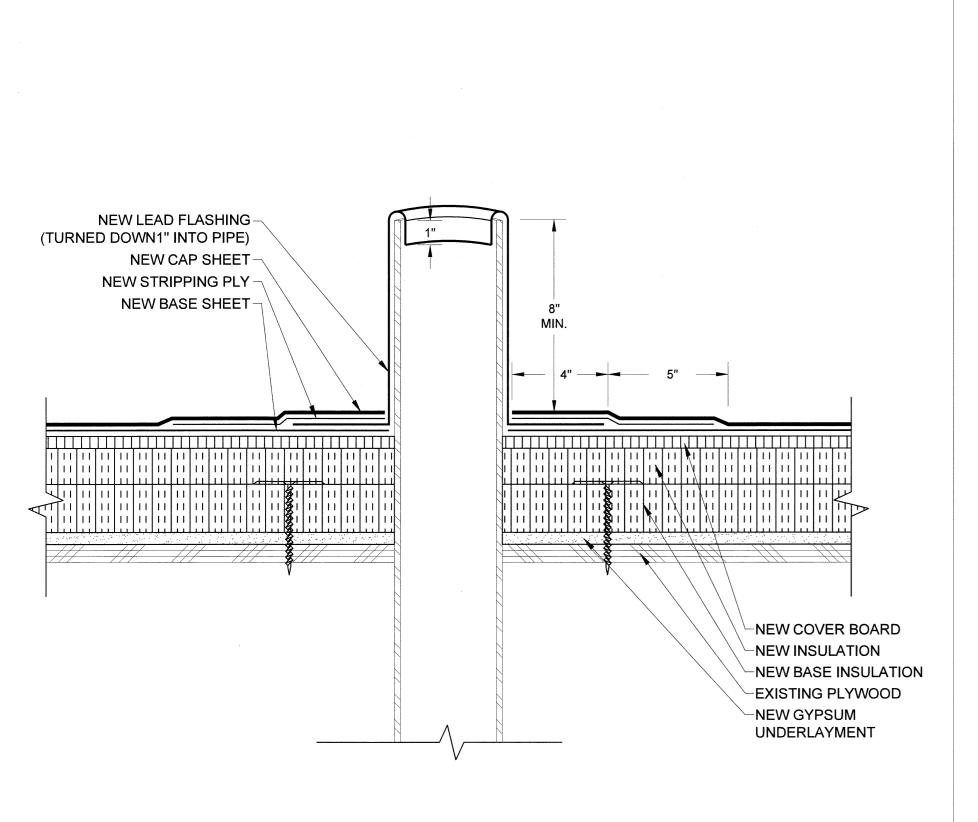
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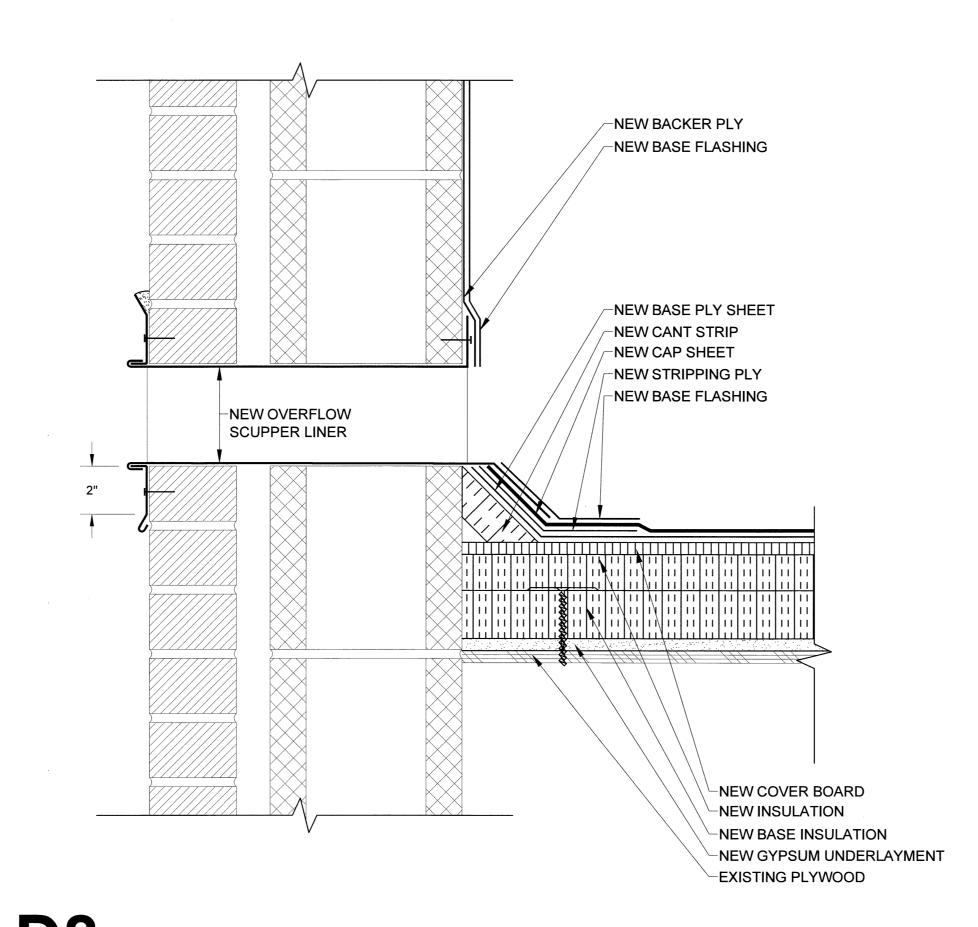
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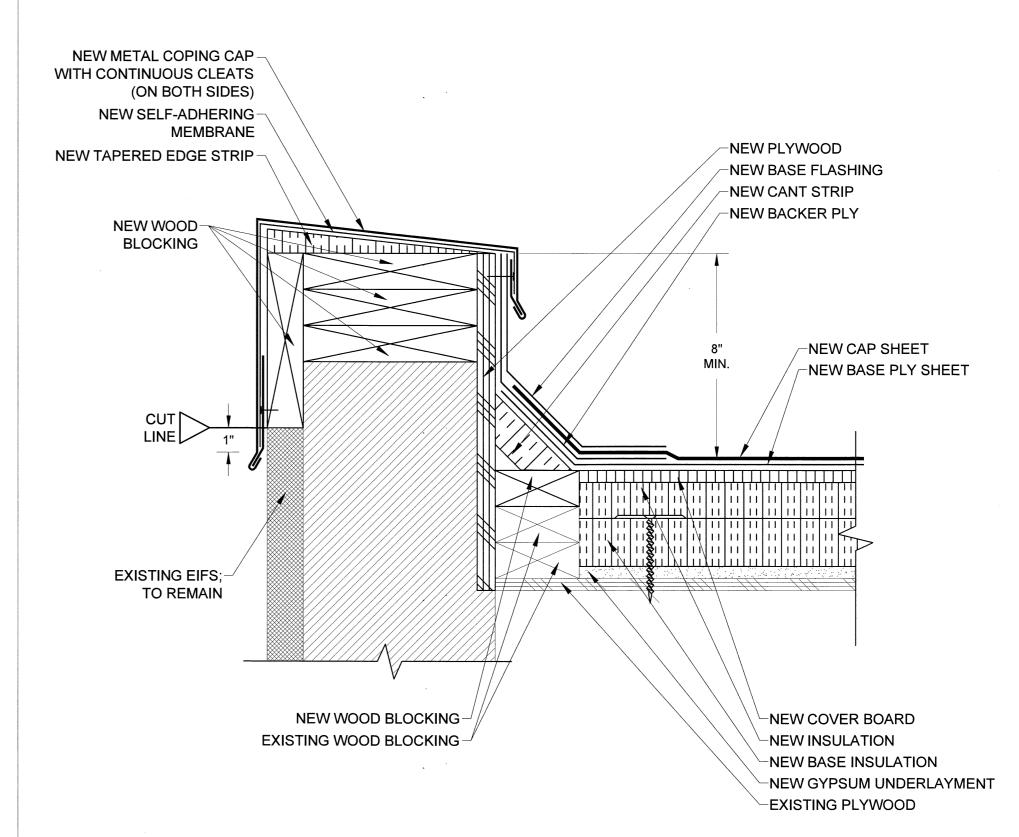
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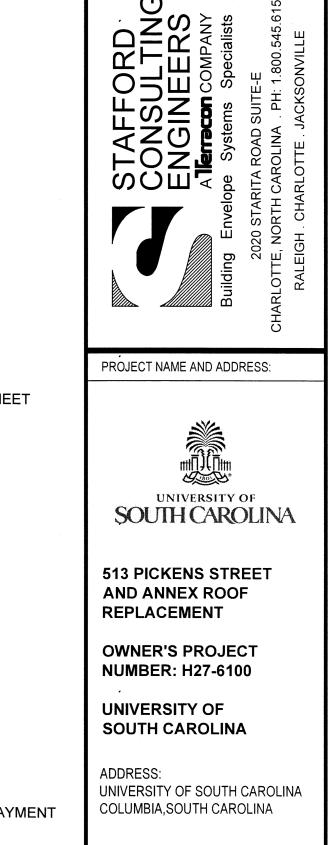
SHEET NUMBER:



-NEW WOOD BLOCKING







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AUGUST 14,2013 **REVISIONS:** DESCRIPTION: PROJECT TEAM: DESIGNED BY: AWM DRAWN BY: EGM APPROVED BY: PROJECT NUMBER: FH136819 SHEET TITLE: **ROOF DETAILS**

SHEET NUMBER:

NEW METAL COPING CAP-WITH CONTINUOUS CLEATS (ON BOTH SIDES) NEW SELF-ADHERING-MEMBRANE NEW WOOD BLOCKING NEW TAPERED EDGE STRIP EXISTING WOOD BLOCKING NEW SELF-ADHERING-MEMBRANE NEW TAPERED EDGE STRIP-NEW METAL FLASHING NEW WOOD BLOCKING--NEW METAL WALL FLASHING WITH NEW METAL CLEAT-CONTINUOUS CLEAT NEW SELF-ADHERING MEMBRANE NEW TAPERED EDGE STRIP EXISTING WOOD PLANK NEW BUILDING FELT -NEW BASE FLASHING -NEW BACKER PLY NEW PLYWOOD

NOTE:

FINISHED ROOF SURFACE.

REFER TO SPECIFICATIONS FOR WALL SYSTEM AND SCUPPER SIZE. SCUPPER TO BE LOCATED APPROXIMATELY TWO INCHES ABOVE

-NEW BASE FLASHING -NEW CANT STRIP -NEW BACKER PLY -NEW CAP SHEET -NEW BASE PLY SHEET NEW COVER BOARD -NEW INSULATION -NEW BASE INSULATION NEW GYPSUM UNDERLAYMENT EXISTING PLYWOOD NEW WOOD BLOCKING NEW METAL SIDING

RAISED WALL DETAIL SCALE: 3" = 1'

NEW METAL COPING CAP-

(ON BOTH SIDES)

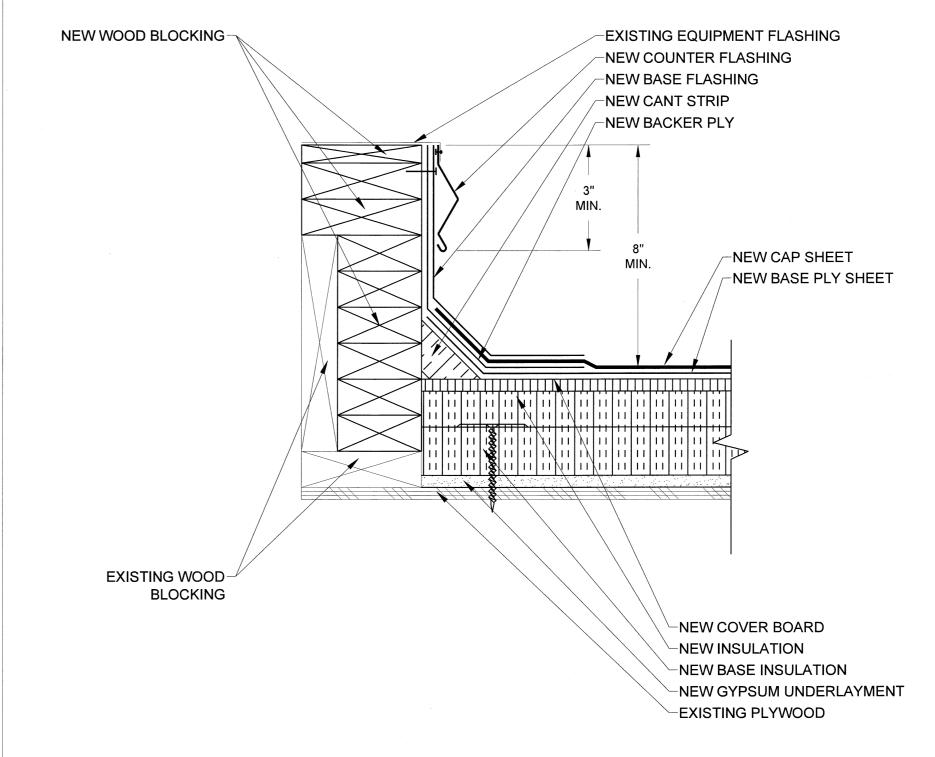
MEMBRANE

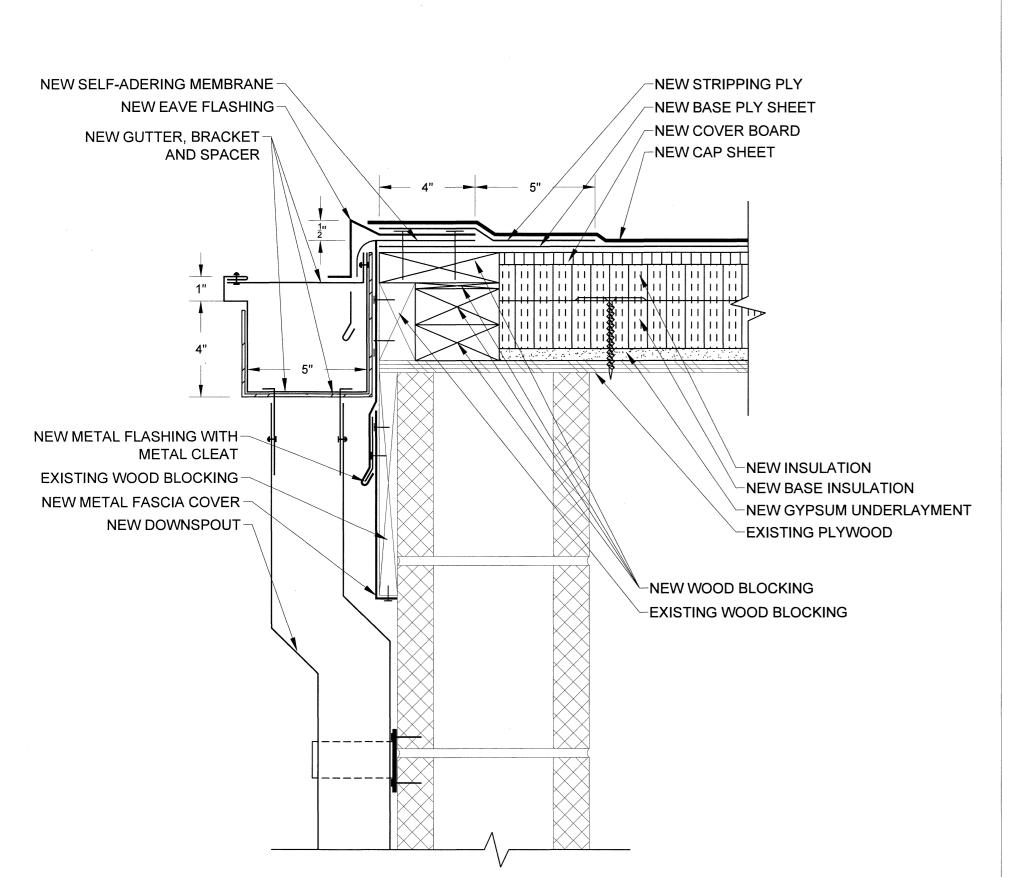
NEW SELF-ADHERING -

WITH CONTINUOUS CLEATS

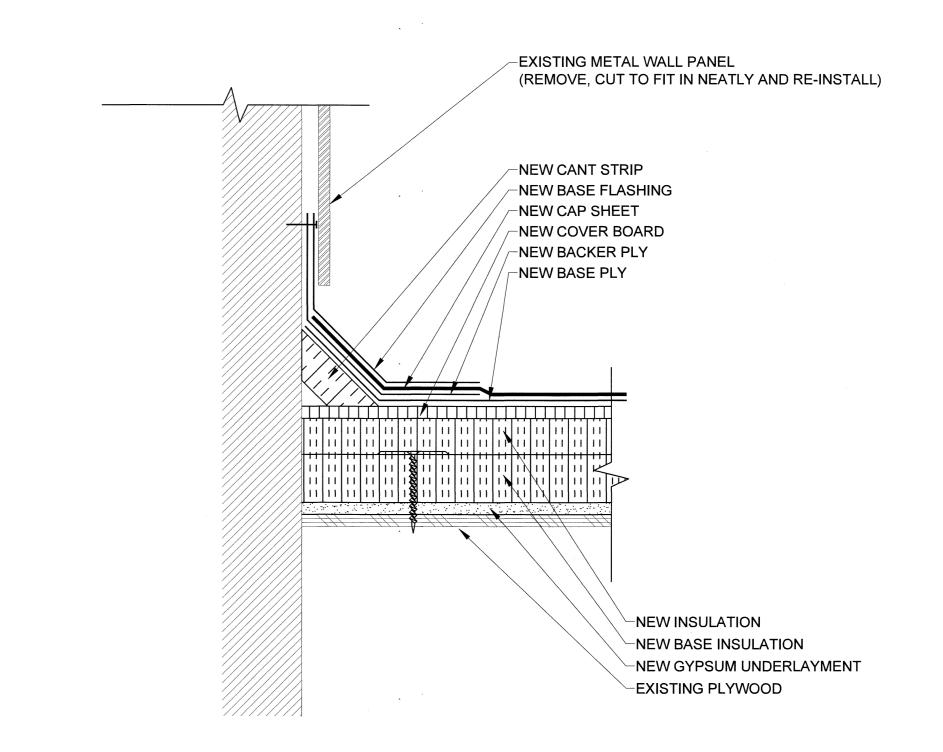
NEW TAPERED EDGE STRIP-

EXISTING EIFS;-TO REMAIN





-NEW STRIPPING PLY NEW BASE PLY SHEET -NEW COVER BOARD NEW EAVE FLASHING--NEW CAP SHEET NEW SELF-ADERING MEMBRANE -NEW METAL CLEAT NEW FASCIA EXTENSION-NEW COVER BOARD -NEW INSULATION -NEW BASE INSULATION NEW GYPSUM UNDERLAYMENT EXISTING PLYWOOD -NEW WOOD BLOCKING EXISTING WOOD BLOCKING



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PROJECT NAME AND ADDRESS:

UNIVERSITY OF SOUTH CAROLINA

513 PICKENS STREET

AND ANNEX ROOF

OWNER'S PROJECT NUMBER: H27-6100

UNIVERSITY OF SOUTH CAROLINA

COLUMBIA, SOUTH CAROLINA

REPLACEMENT

UNIVERSITY OF SOUTH CAROLINA

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REVISIONS: REV. NO: DATE: DESCRIPTION: PROJECT TEAM: DESIGNED BY: AWM DRAWN BY: EGM APPROVED BY: LTH PROJECT NUMBER:

FH136819 SHEET TITLE:

ROOF DETAILS SHEET NUMBER:

-NEW BASE INSULATION -NEW GYPSUM UNDERLAYMENT EXISTING PLYWOOD

NEW PERFORATED ZEE-CLOSURES -NEW WOOD BLOCKING -NEW THERMAL BLOCKING EXISTING ROOF PURLINS/STRUCTURE

NEW SELF-ADHERING MEMBRANE NEW CANT STRIP -NEW CANT STRIP -NEW BASE FLASHING NEW CAP SHEET -NEW COVER BOARD NEW BACKER PLY NEW CAP SHEET -NEW INSULATION

NEW WOOD FURRING -NEW METAL SIDING -NEW RECEIVER

-NEW COUNTER FLASHING

-NEW APRON FLASHING

D16 WALL FLASHING DETAIL SCALE: 3" = 1'

-NEW 20 MIL PVC

WOOD BLOCKING

-NEW METAL COPING CAP

-NEW PAN FOLD (DO NOT CUT)

-NEW CONTINUOUS PRESSURE TREATED

(COLOR TO MATCH STANDING SEAM METAL ROOF PANELS)

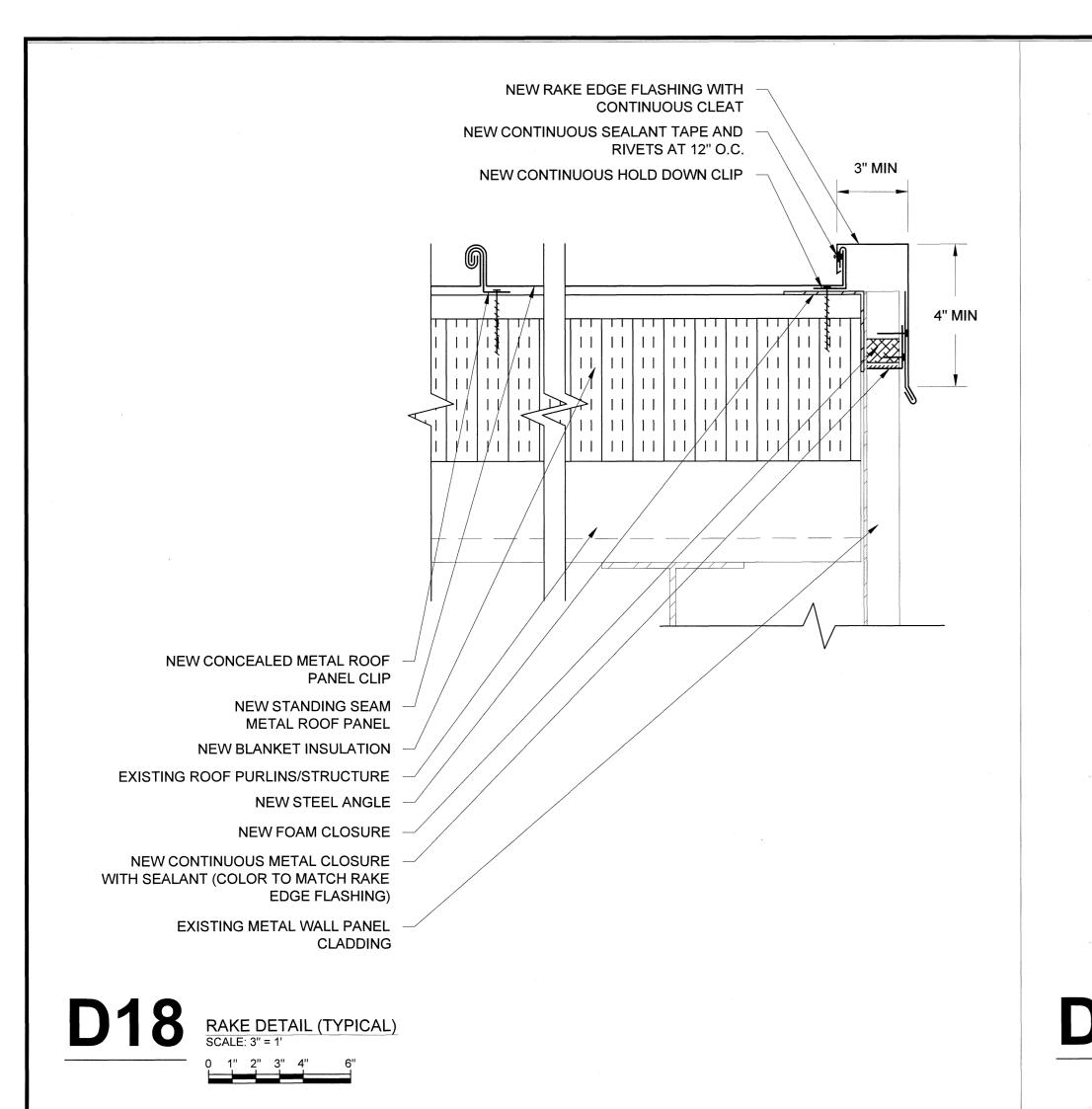
-NEW CONCEALED METAL ROOF PANEL CLIPS

NEW PERFORATED METAL "Z" CLOSURE WITH CONTINUOUS

SELANT/SEALANT TAPE AND RIVETS (THREE (3) RIVETS PER PANEL);

(FIXED CLIPS AT RIDGE ONLY)

COLOR MATCH STANDING SEAM METAL PANELS

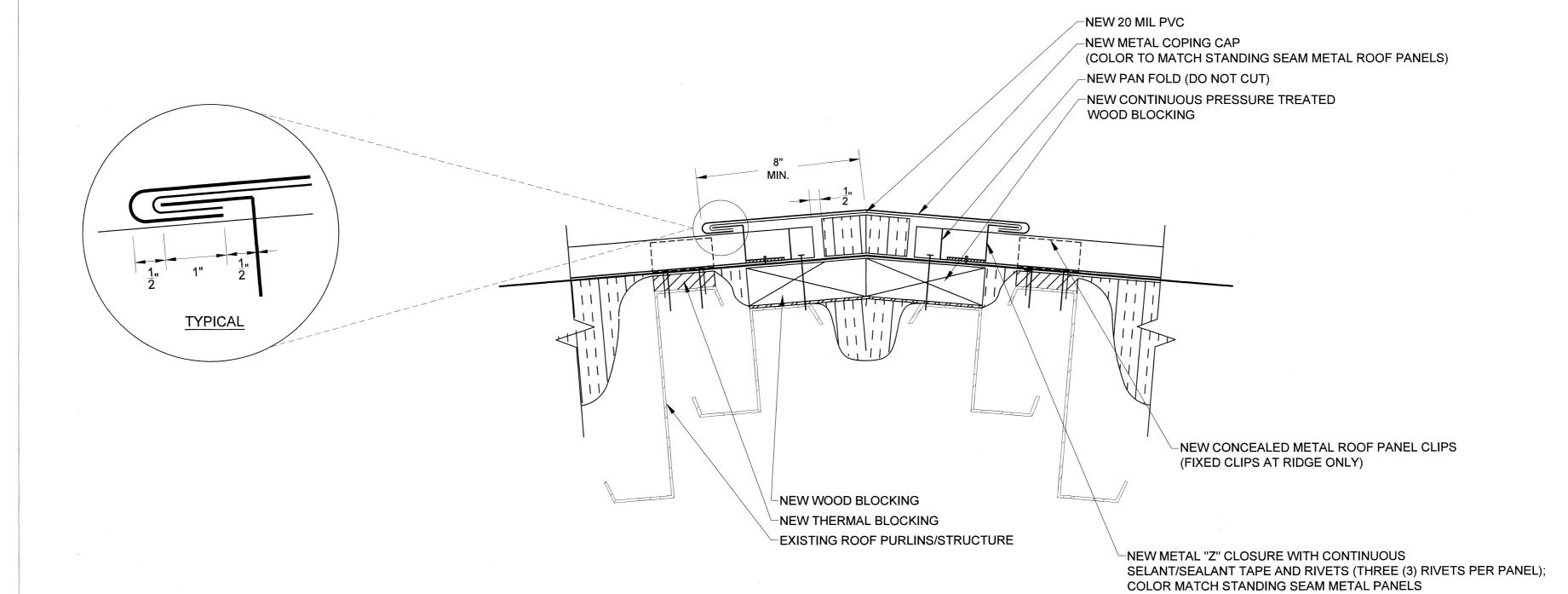


NEW FOLDED SEAM END NEW EAVE FLASHING RIVET TO BACK OF GUTTER (DO NOT SECURE TO SUBSTRATE BEHIND GUTTER) NEW SEALANT IN SEAM 1-1/2" **TYPICAL** NEW STANDING SEAM METAL **ROOF PANEL** NEW CONCEALED METAL ROOF PANEL CLIP NEW THERMAL BLOCKING **EXISTING ROOF PURLINS/STRUCTURE** TWO FASTENERS PER GUTTER BRACKET NEW BLANKET INSULATION (SECURELY FASTENED TO STRUCTURE) EXISTING METAL WALL PANEL CLADDING EXISTING WALL PURLINS/STRUCTURE

EQUIPMENT SUPPORT STAND/VENT STACK SEALANT BEAD BETWEEN PIPE AND FLASHING TOOLED TO FACILITATE

PREFORMED PENETRATION FLASHINGS GASKETED FASTENERS SECURE FLASHING COLLAR FLANGE TO ROOF PANEL AND NOT TO DECK SO AS NOT TO FIX PANEL AT PENETRATION STAINLESS STEEL DRAWBAND METAL ROOF PANEL SET SECUREMENT RING IN CONTINUOUS BEAD OF SEALANT

NOTE: LAP RIDGE SECTIONS 6" AND PROVIDE 3 CONTINUOUS BEADS OF SEALANT





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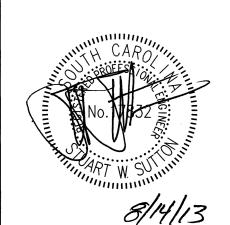
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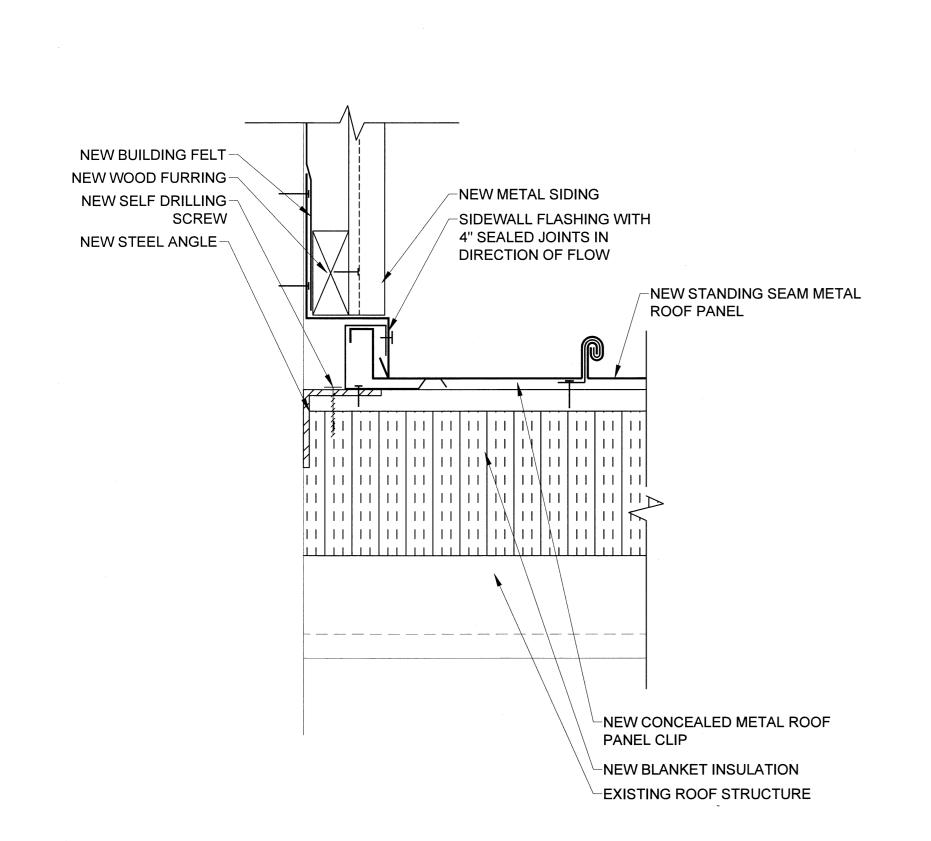
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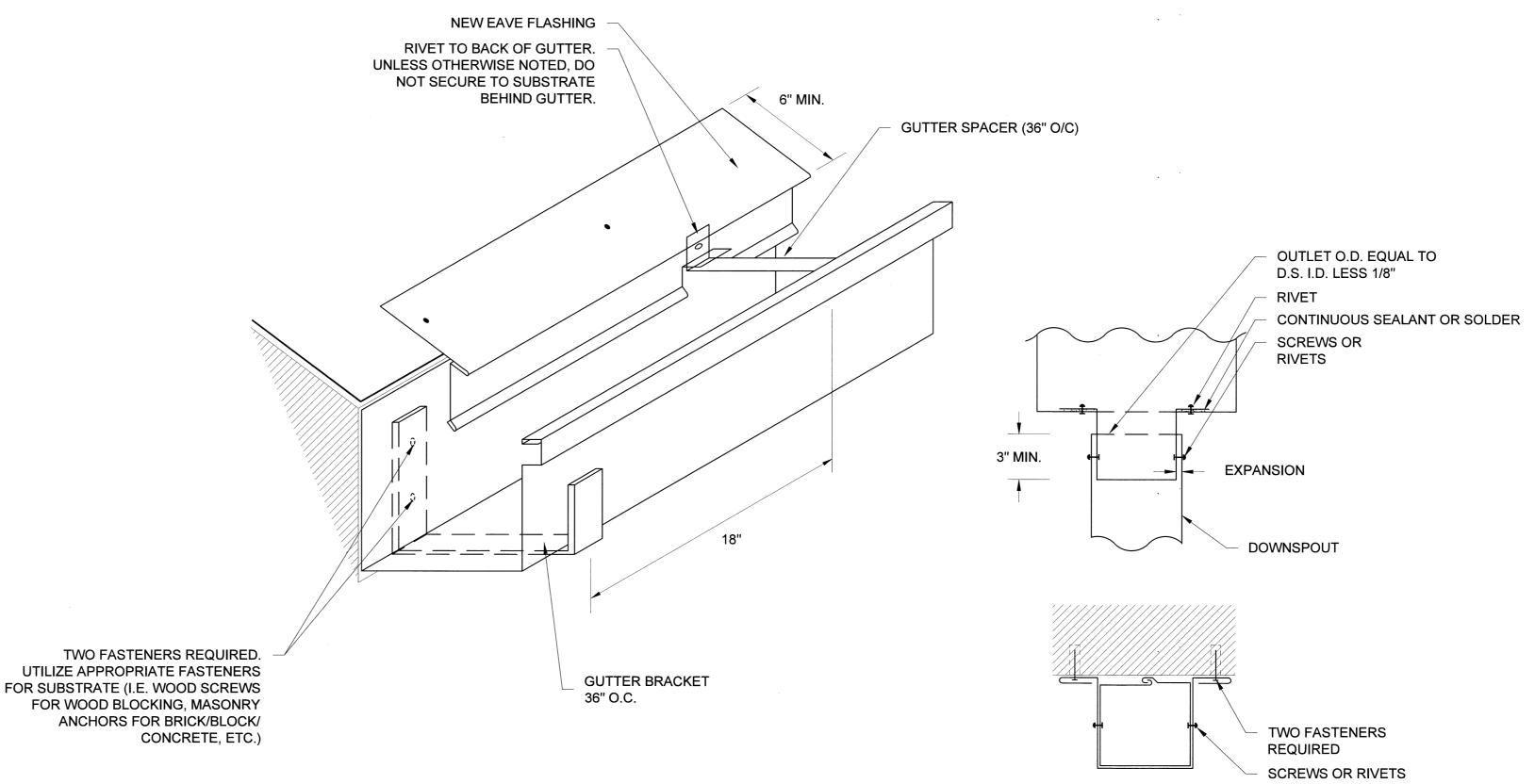
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ROOF DETAILS SHEET NUMBER:

PIPE PENETRATION DETAIL SCALE: 3" = 1'



NOTE: METAL RFG NOT SHOWN **FOR CLARITY**



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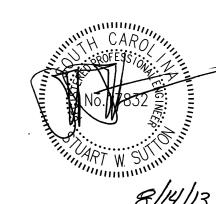
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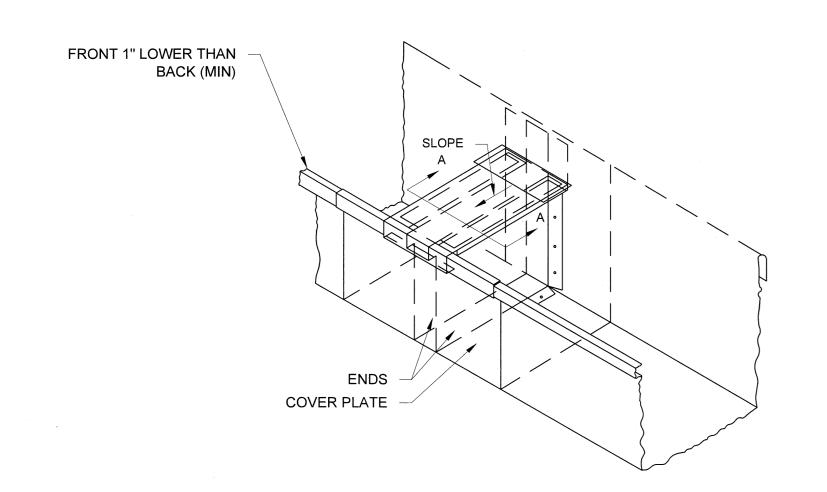
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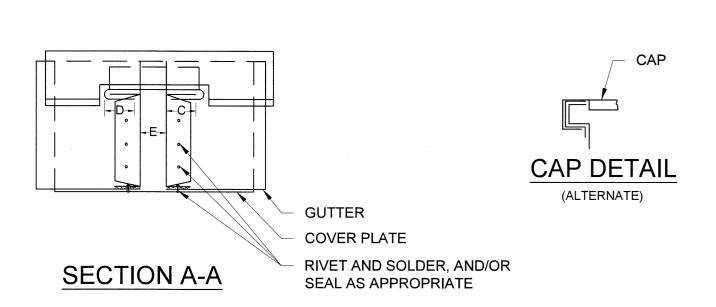
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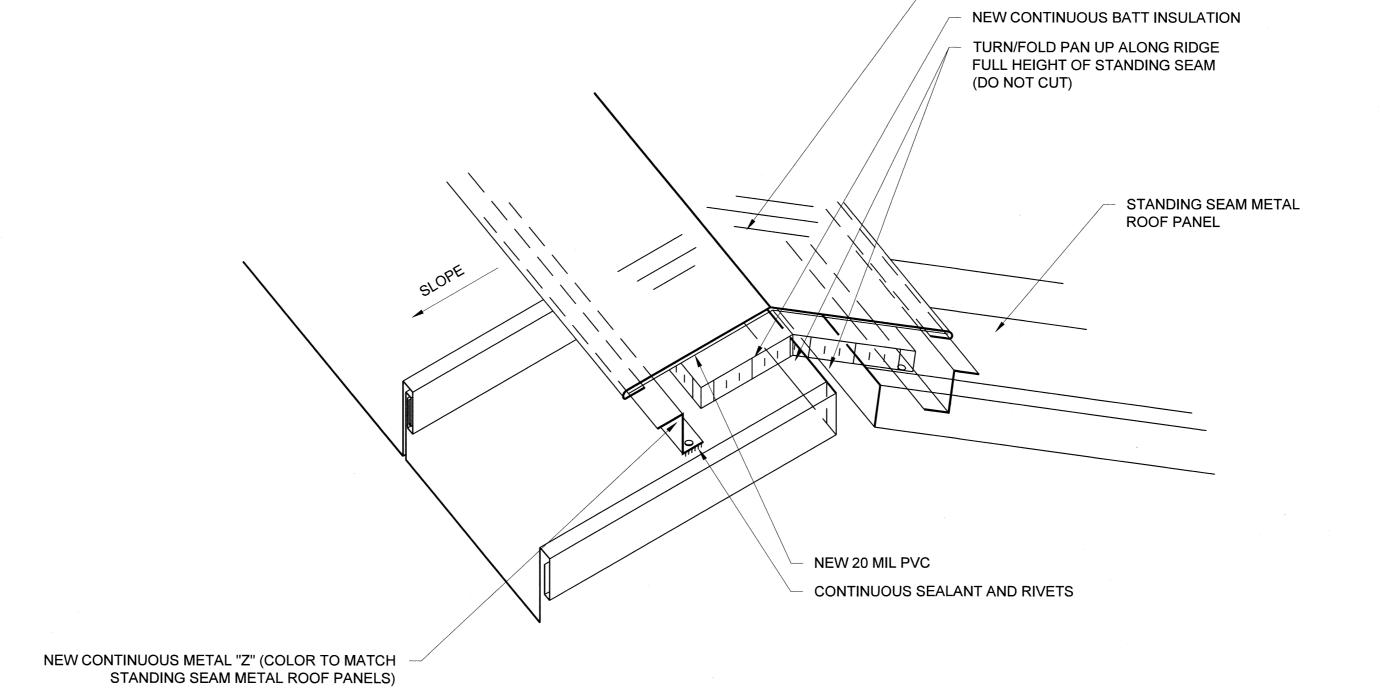
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D23 WALL FLASHING DETAIL SCALE: 3" = 1'





D24 GUTTER EXPANSION JOINT DETAIL (TYPICAL)
SCALE: 3" = 1'



NEW METAL RIDGE CAP (COLOR TO

PANELS)

MATCH STANDING SEAM METAL ROOF

RIDGE CAP (NON-VENTING) (TYPICAL)
SCALE: 3" = 1'

