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ABBREVIATION LIST	
MAX.	MAXIMUM
MIN.	MINIMUM
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
S.S.	STAINLESS STEEL
SIM.	SIMILAR
TERM.	TERMINATION
TYP.	TYPICAL

THOMSON STUDENT HEALTH CENTER ROOF AND WALL RENOVATIONS

STATE PROJECT NO.: H27-Z155
UNIVERSITY OF SOUTH CAROLINA
1409 DEVINE STREET
COLUMBIA, SC 29208

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UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC
REI PROJECT #: 14CHS-012

REVISION #	REVISION DATE
1	
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DRAWN BY: JR

SCALE: N.T.S.

DATE: 05-22-2014

DRAWING:

R-001

SHEET 1 OF 10

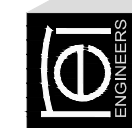
COVER SHEET

SECTOR	AREA (SQUARE FEET)
A	±6,900
B	±3,138
C	±240
D	±844
E	±190
F	±200
G	±155
TOTAL	±11,667

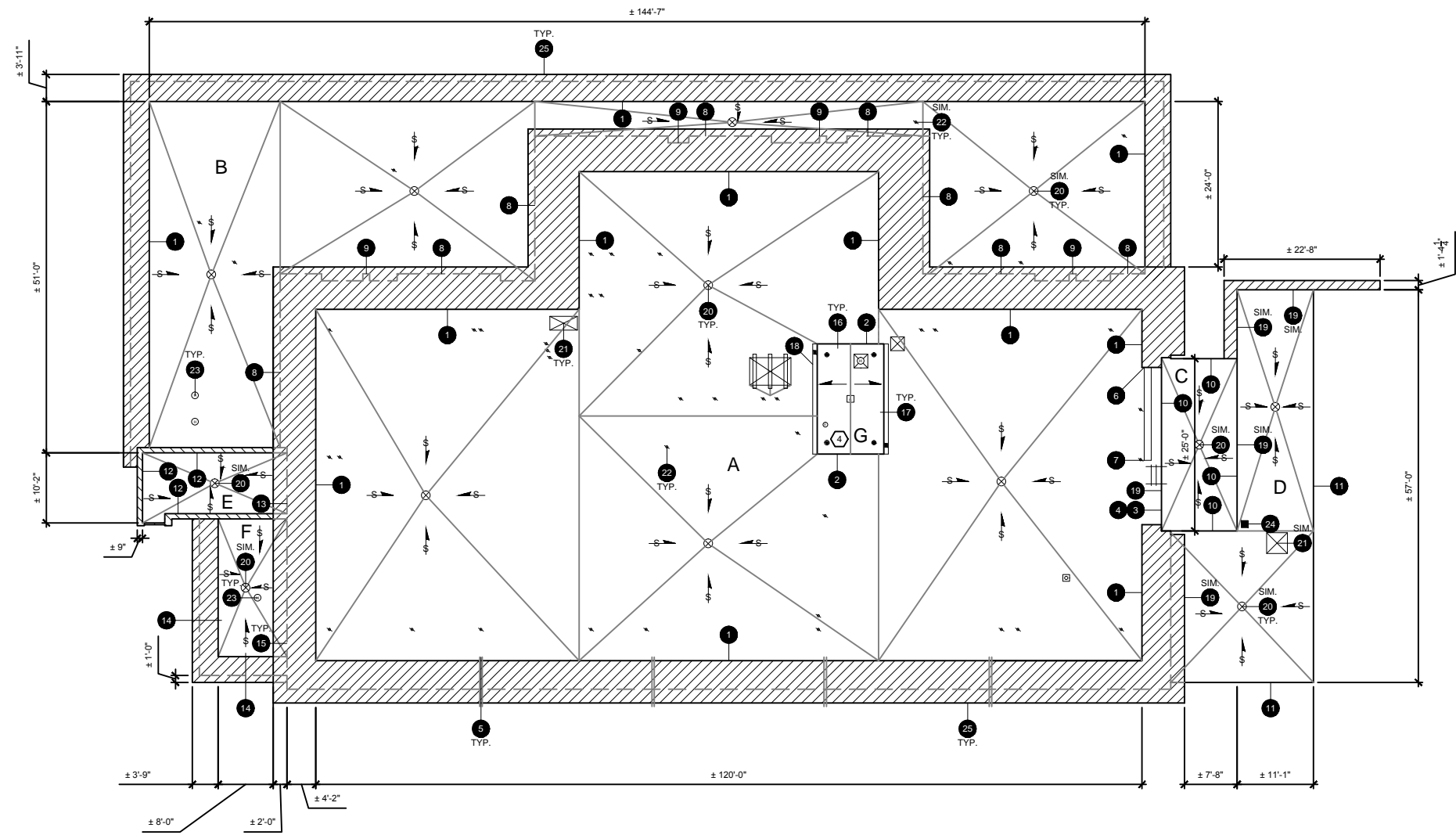
CONTRACTOR TO VERIFY ALL QUANTITIES PRIOR TO BIDDING



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KEY

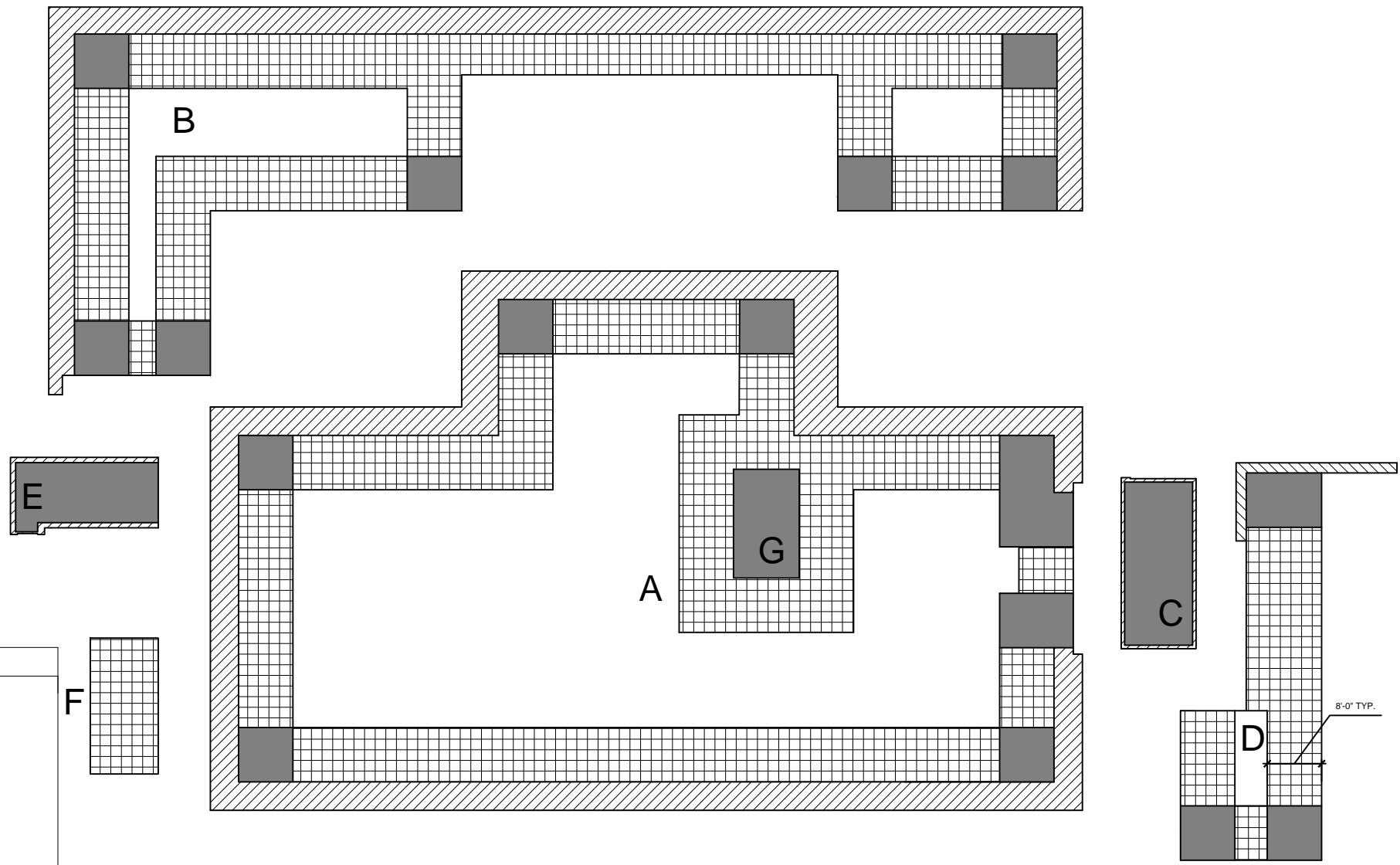
	PARAPET WALL
	THROUGH WALL SCUPPER
	ROOF EDGE
	ROOF EDGE WITH GUTTER AND DOWNSPOUT
	RIDGE-HIP-VALLEY
	STRUCTURAL SLOPE
	TAPERED SLOPE
	ROOF DRAIN
	EQUIPMENT CURB
	EQUIPMENT SUPPORT CURB
	ANTENNA TO BE DEMOLISHED
	PIPE PENETRATION
	MULTIPLE PIPE PENETRATION
	HOT STACK
	ELECTRICAL OUTLET POST TO BE DEMOLISHED
	GUY WIRE SUPPORT TO BE DEMOLISHED
	ROOF ACCESS LADDER
	DETAIL NUMBER

- NOTES:
1. SCRAPE, PRIME AND PAINT EXISTING ROOF TOP EQUIPMENT, STRUCTURAL SUPPORT, AND LADDER PRIOR TO SURFACE PLY INSTALLATION. MINIMUM SURFACE PREPARATION METHOD SSPC-SP3 SHALL BE USED FOR STRUCTURAL STEEL CLEANING.
 2. SECURE NAILERS IN ACCORDANCE WITH DATA SHEET 1-49.
 3. INSTALL CRICKETS BEHIND ALL CURBS 24" WIDE OR GREATER.
 4. REMOVE AND DISCARD EXISTING ANTENNA AND GUY WIRE SUPPORTS WHERE INDICATED.
 5. EXISTING LIGHTNING PROTECTION COMPONENTS ARE NOT SHOWN.
 6. NEW LIGHTNING PROTECTION COMPONENTS SHALL BE FLASHED TO MEET THE MEMBRANE MANUFACTURER'S REQUIREMENTS TO ACHIEVE THE SPECIFIED WARRANTY.
 7. EXISTING ELECTRIC BIRD RELOCATION SYSTEM COMPONENTS ARE NOT SHOWN. RE-INSTALL EXISTING COMPONENTS AND UPGRADE AS REQUIRED TO MEET THE CURRENT INSTALLATION REQUIREMENTS OF AVIAN FLYAWAY, INC. (WWW.AVIANFLYAWAYINC.COM). REFER TO SECTION 07 01 50 FOR REMOVAL AND STORAGE.
 8. PROVIDE NEW EQUIPMENT SUPPORT CURBS.

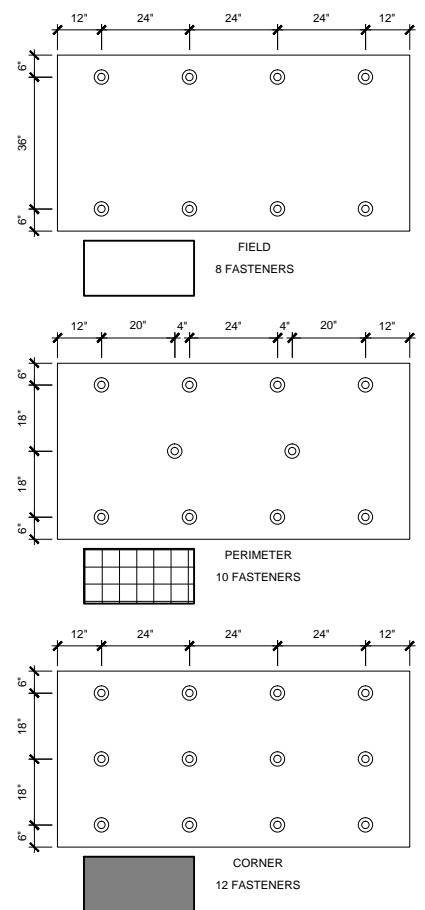
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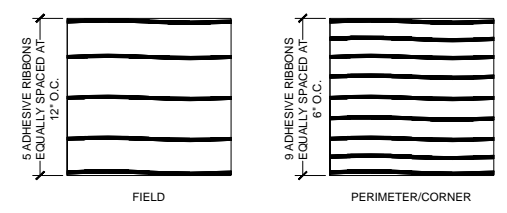
DRAWN BY: JR
SCALE: 1"=10'-0"
DATE: 05-22-2014
DRAWING:
R-101
SHEET 2 OF 10
ROOF PLAN



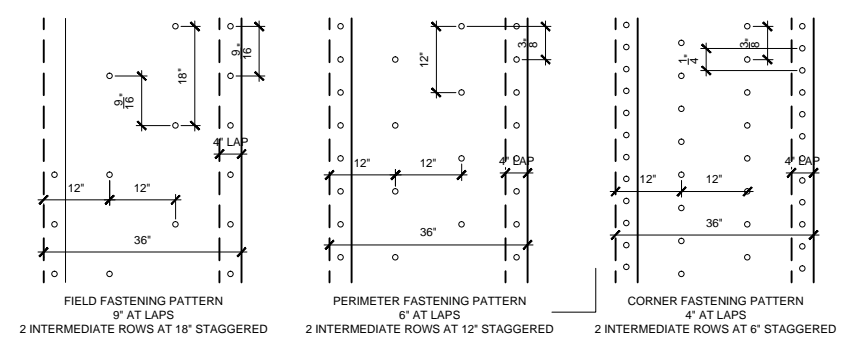
MINIMUM INSULATION FASTENING PATTERN AT METAL DECK



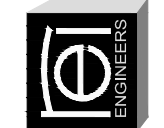
MINIMUM INSULATION FOAM ADHESIVE APPLICATION



MINIMUM BASE SHEET ATTACHMENT PLAN



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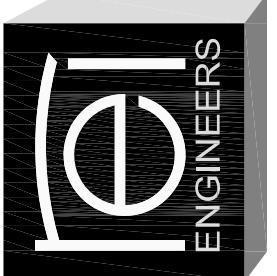
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R-102
SHEET 3 OF 10
INSULATION ATTACHMENT PLAN



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R-104

SHEET 5 OF 10

STAGING AND ACCESS PLAN

N.I.C.

N.I.C.

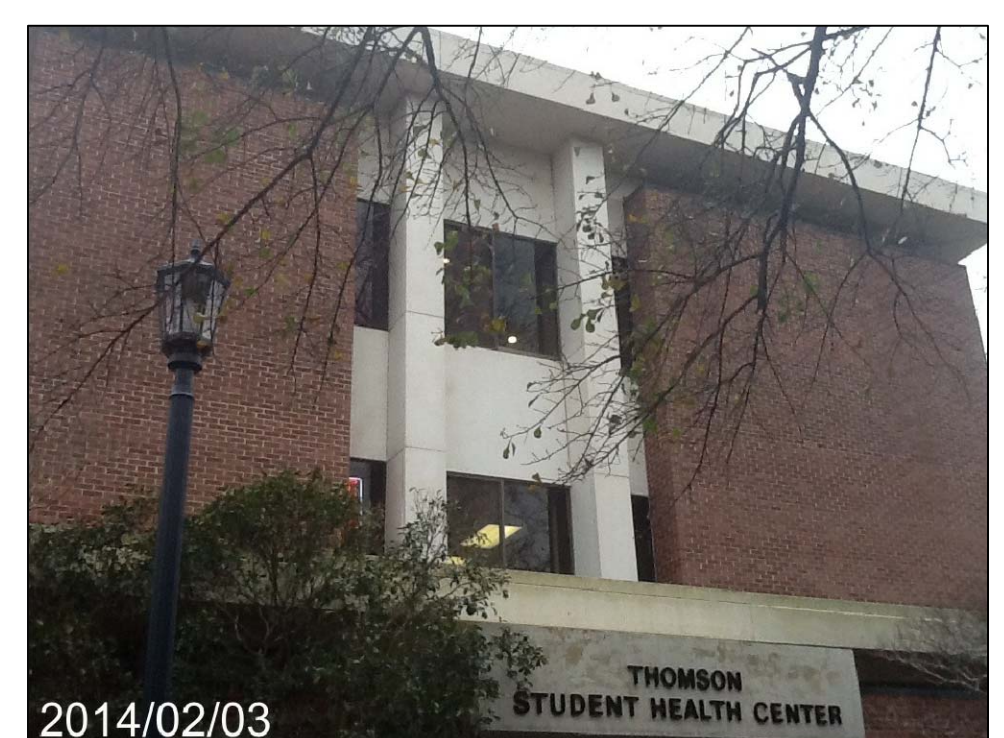
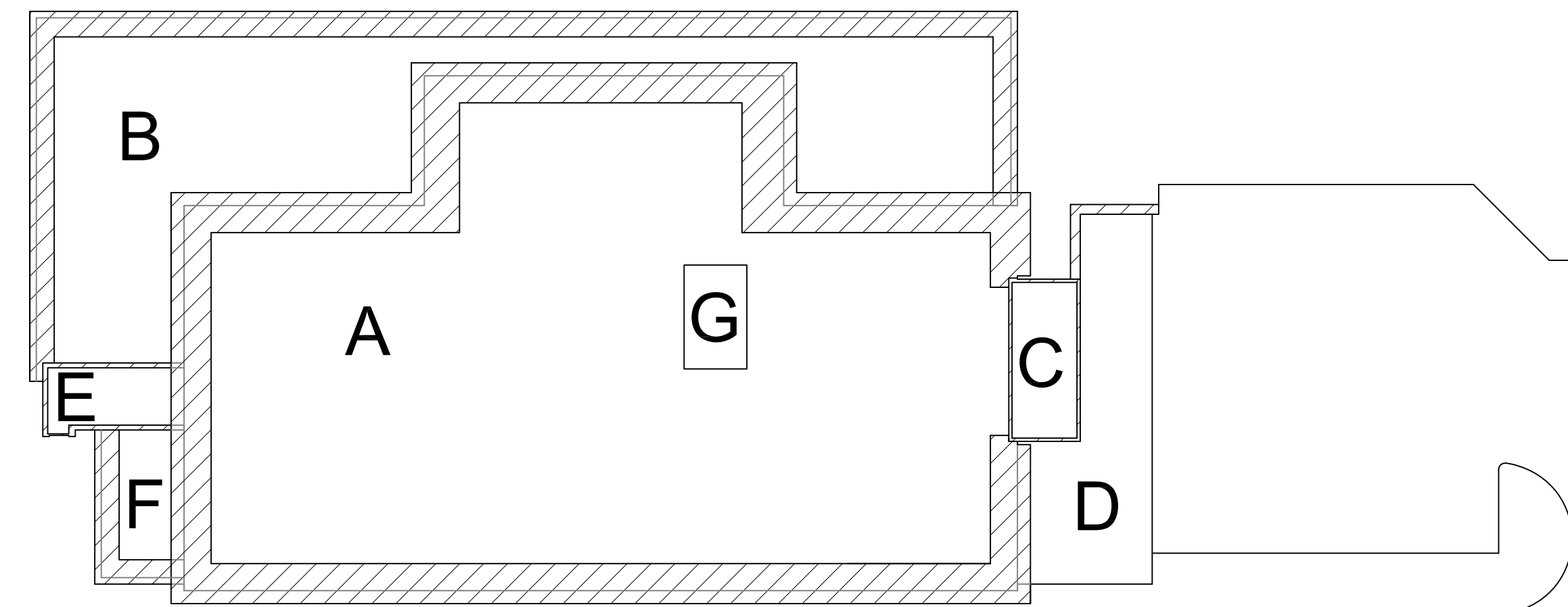
N.I.C.

PARKING

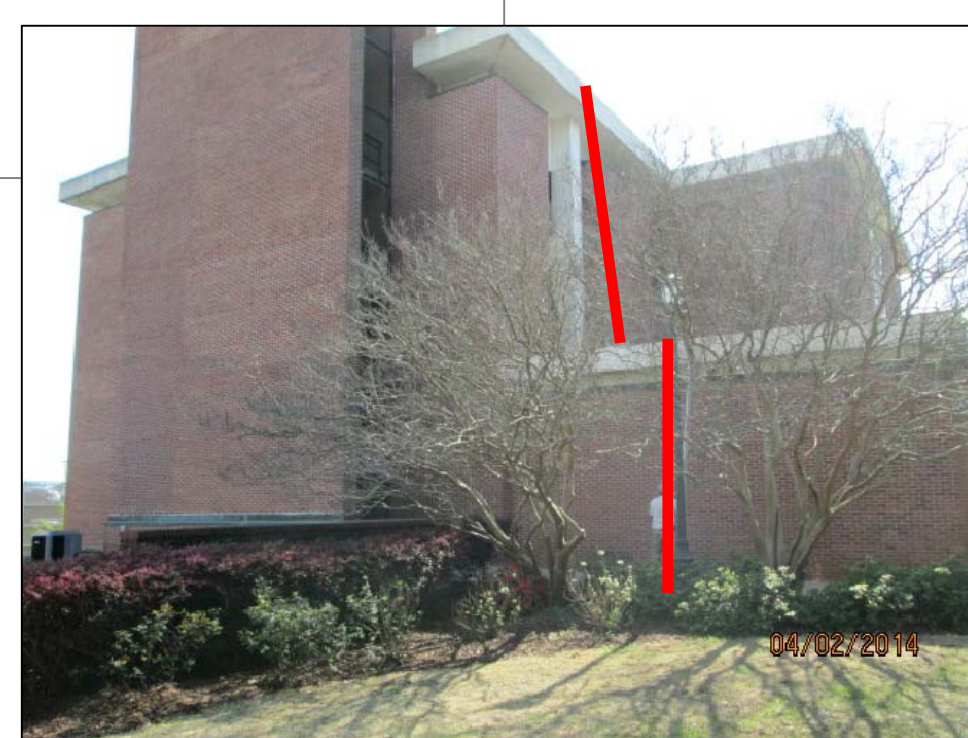
COURTYARD

DEVINE STREET

BULL STREET



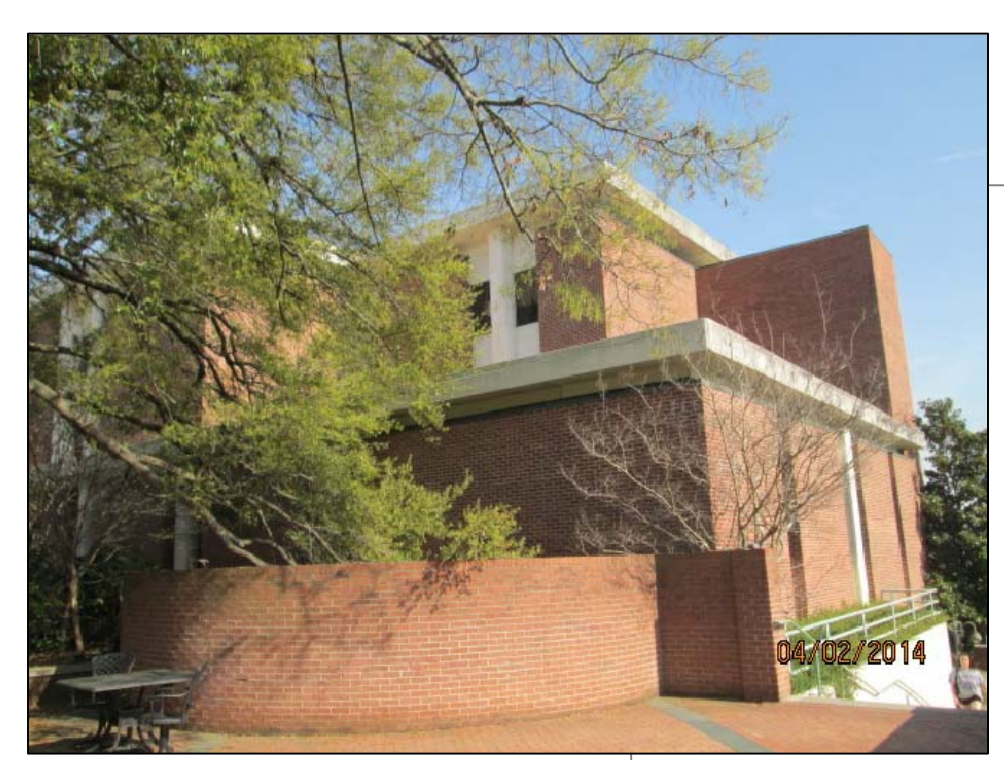
VIEW FROM COURTYARD:
• NO ACCESS, STAGING OR STORAGE ON GROUNDS. MINIMAL TRAFFIC ALLOWED IN THIS AREA.



NORTH ELEVATION:
• RED LINE DENOTES APPROVED ACCESS POINTS FOR SECTORS A, B, C AND G.



SOUTHWEST ELEVATION:
• RED LINE DENOTES APPROVED ACCESS POINTS FOR SECTORS E AND F.



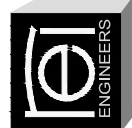
SOUTH ELEVATION



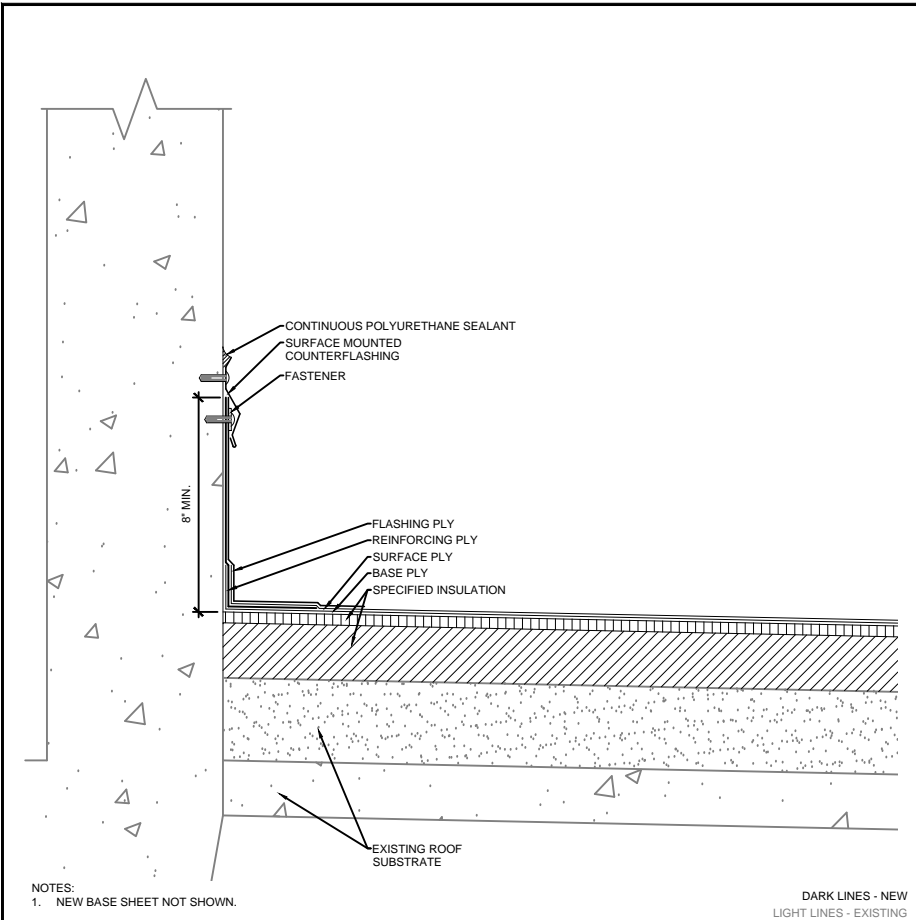
• WORK TO BE COMPLETED FROM SCAFFOLDING. RED LINE DENOTES APPROVED SCAFFOLDING STAGING AREA.



EAST ELEVATION:
• WORK TO BE COMPLETED FROM SCAFFOLDING. RED LINE DENOTES APPROVED SCAFFOLDING STAGING AREA FOR SOUTHEAST ELEVATION AND ACCESS TO SECTOR D. LOADING DOCK AREA APPROVED FOR SMALL CRANE. PROVIDE MINIMUM 10 FOOT FIRE LANE IN LOCATION APPROVED BY OWNER AT LOADING DOCK.

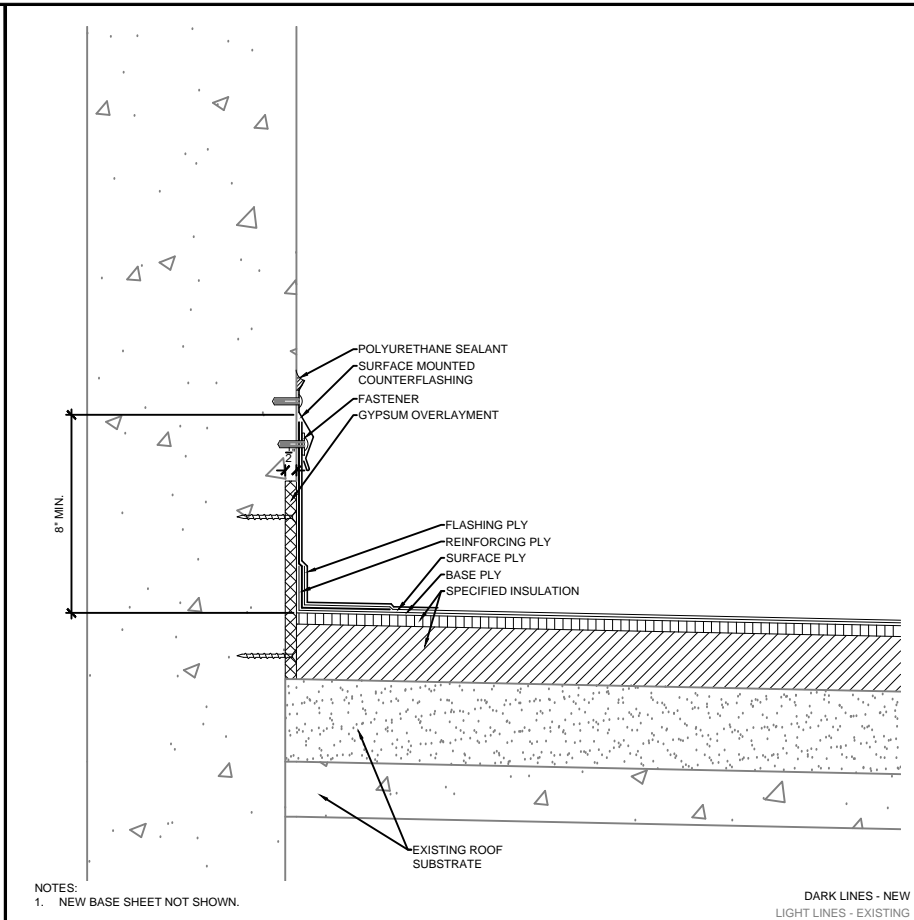


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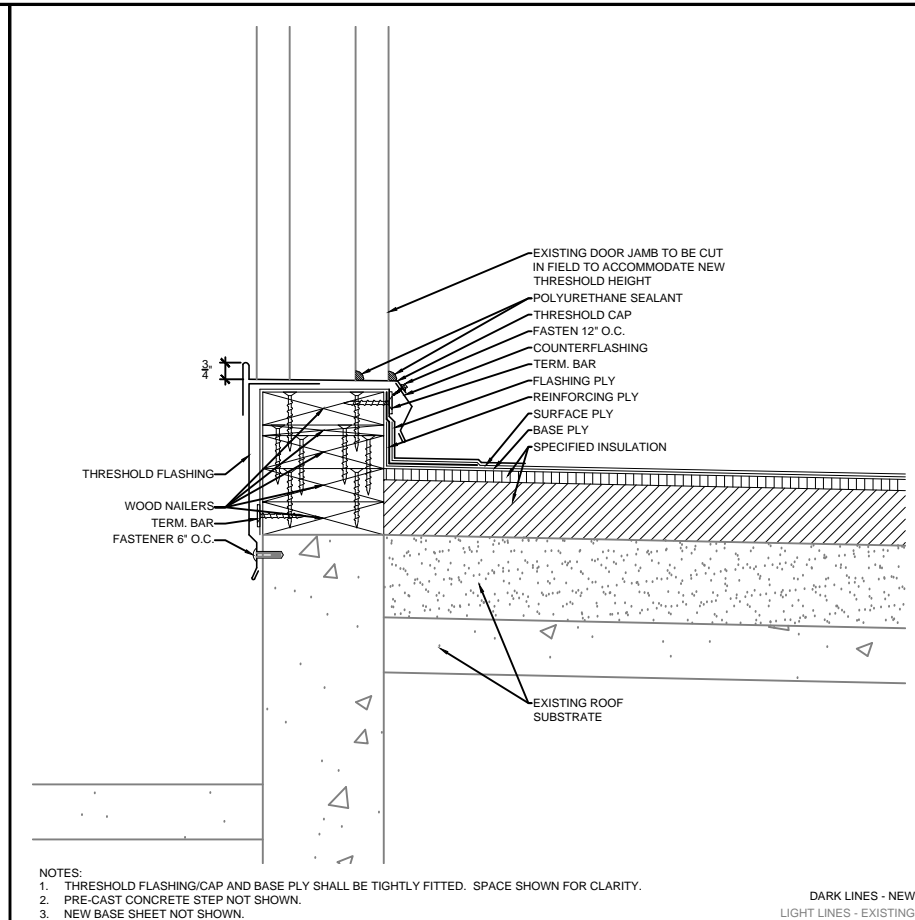
NOTES:
1. NEW BASE SHEET NOT SHOWN.

DARK LINES - NEW
LIGHT LINES - EXISTING



NOTES:
1. NEW BASE SHEET NOT SHOWN.

DARK LINES - NEW
LIGHT LINES - EXISTING



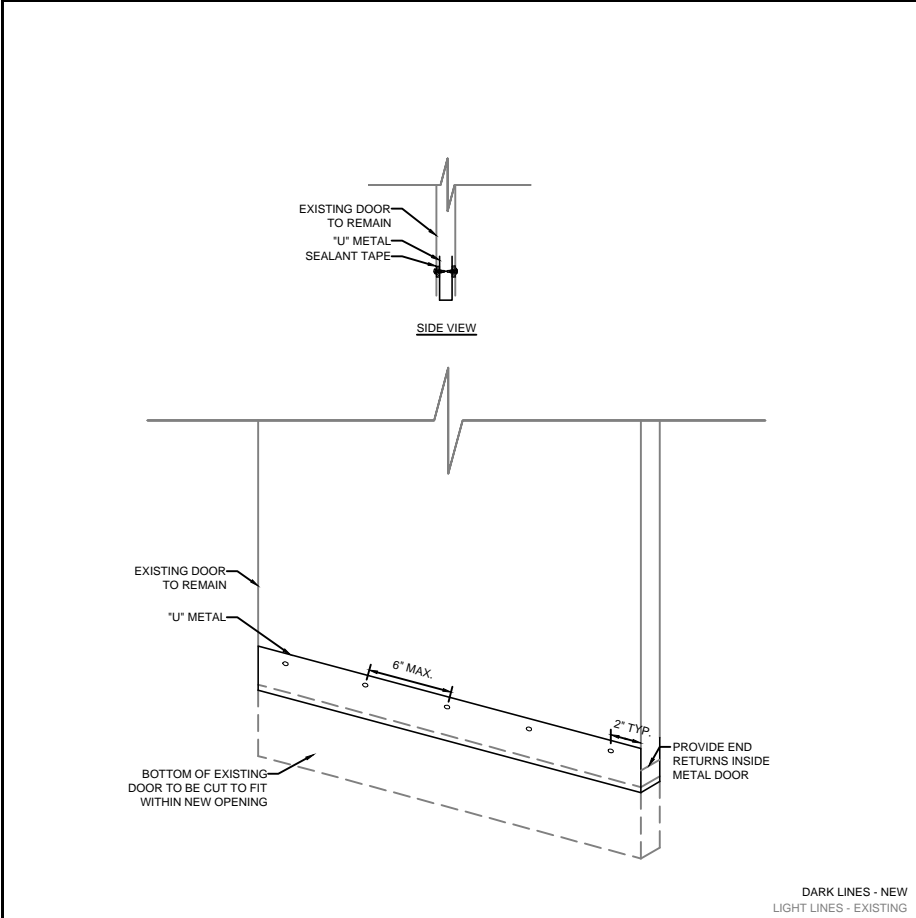
NOTES:
1. THRESHOLD FLASHING/CAP AND BASE PLY SHALL BE TIGHTLY FITTED. SPACE SHOWN FOR CLARITY.
2. PRE-CAST CONCRETE STEP NOT SHOWN.
3. NEW BASE SHEET NOT SHOWN.

DARK LINES - NEW
LIGHT LINES - EXISTING

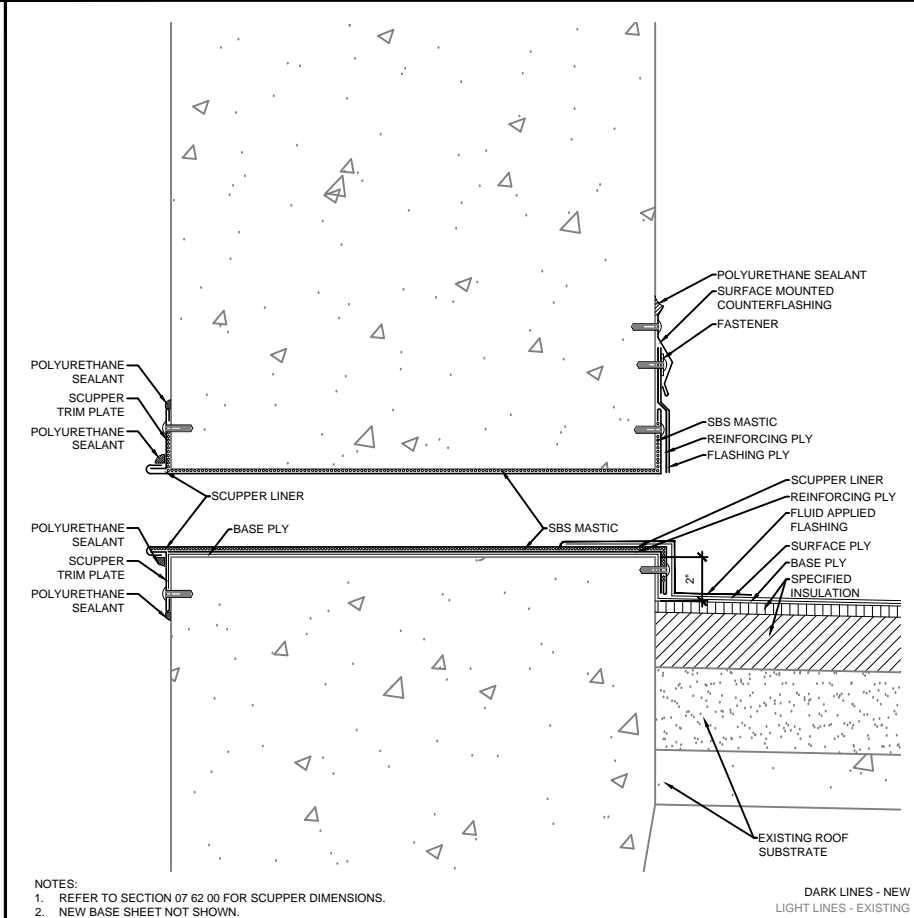
1 PARAPET WALL SECTOR A AND B
SCALE: 3" = 1'-0"

2 ROOF TO SECTOR G WALL
SCALE: 3" = 1'-0"

3 THRESHOLD SECTOR A
SCALE: 3" = 1'-0"

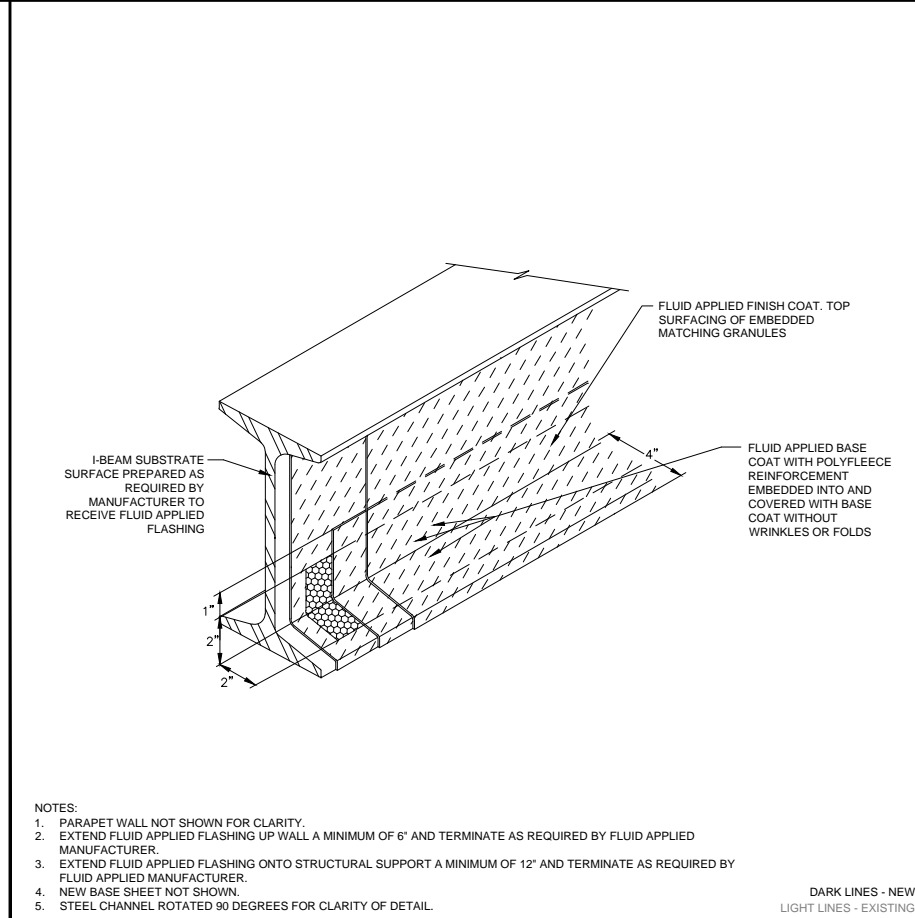


DARK LINES - NEW
LIGHT LINES - EXISTING



NOTES:
1. REFER TO SECTION 07 62 00 FOR SCUPPER DIMENSIONS.
2. NEW BASE SHEET NOT SHOWN.

DARK LINES - NEW
LIGHT LINES - EXISTING



NOTES:
1. PARAPET WALL NOT SHOWN FOR CLARITY.
2. EXTEND FLUID APPLIED FLASHING UP WALL A MINIMUM OF 6\"/>

DARK LINES - NEW
LIGHT LINES - EXISTING

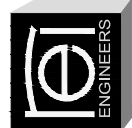
4 MODIFIED DOOR
SCALE: 3" = 1'-0"

5 SCUPPER SECTOR A
SCALE: 3" = 1'-0"

6 I-BEAM TO WALL
SCALE: N.T.S.

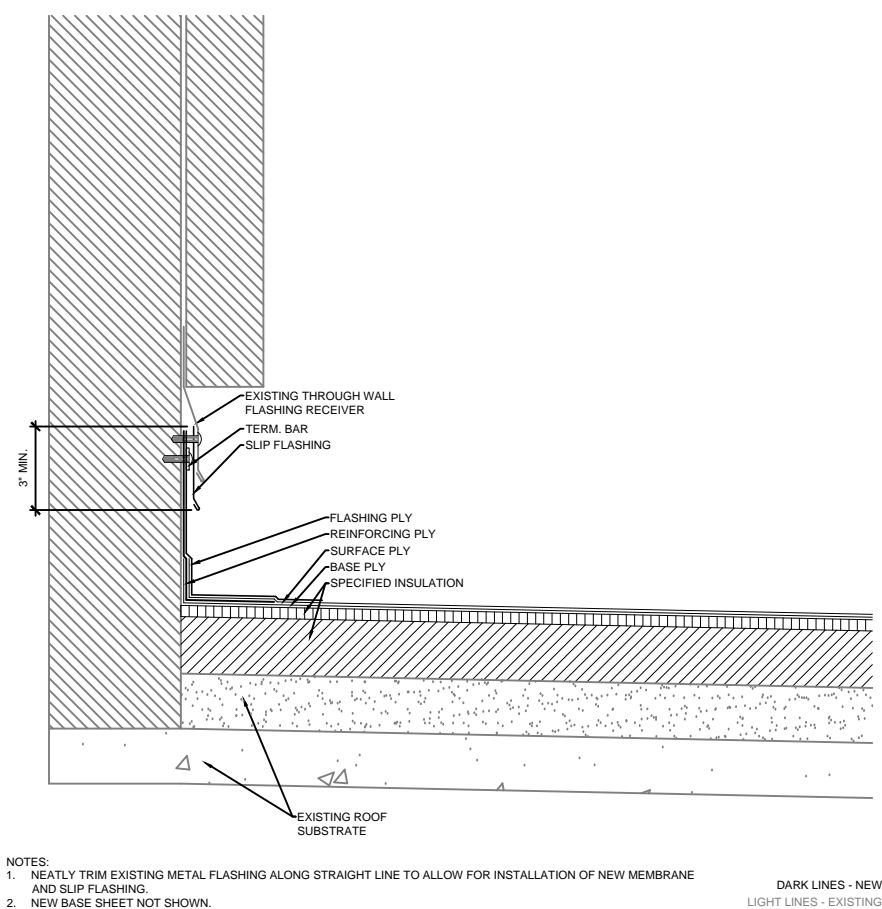
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R-201
SHEET 6 OF 10
ROOF DETAILS



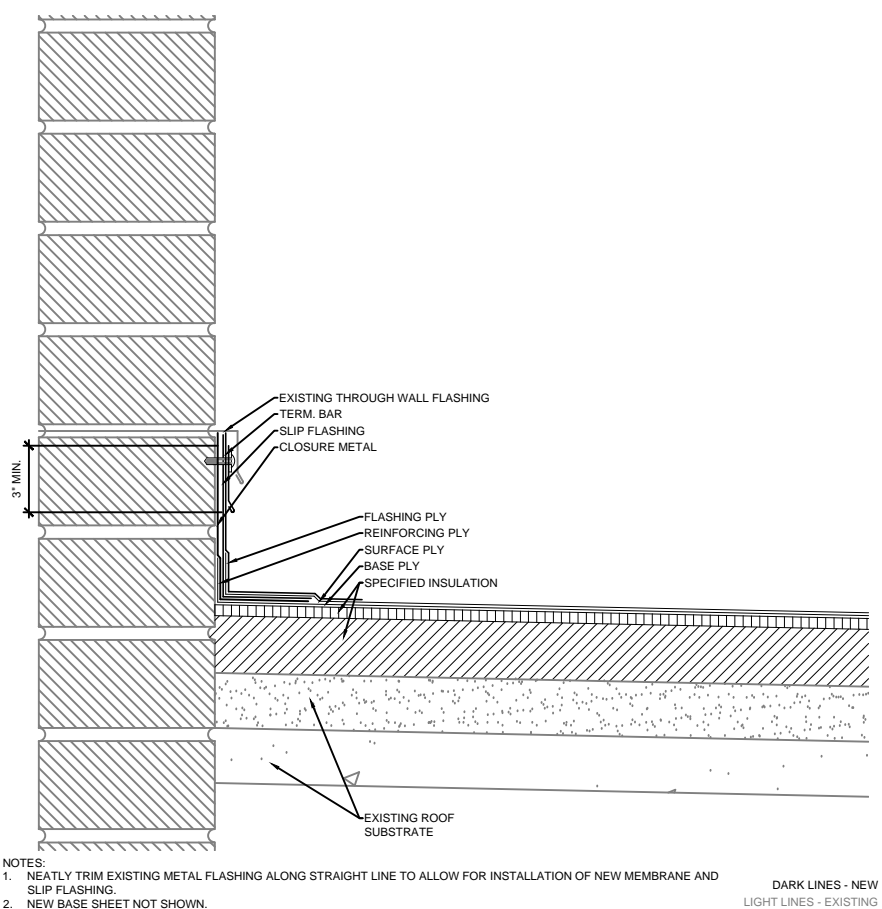
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DRAWING:
R-202
SHEET 7 OF 10
ROOF DETAILS



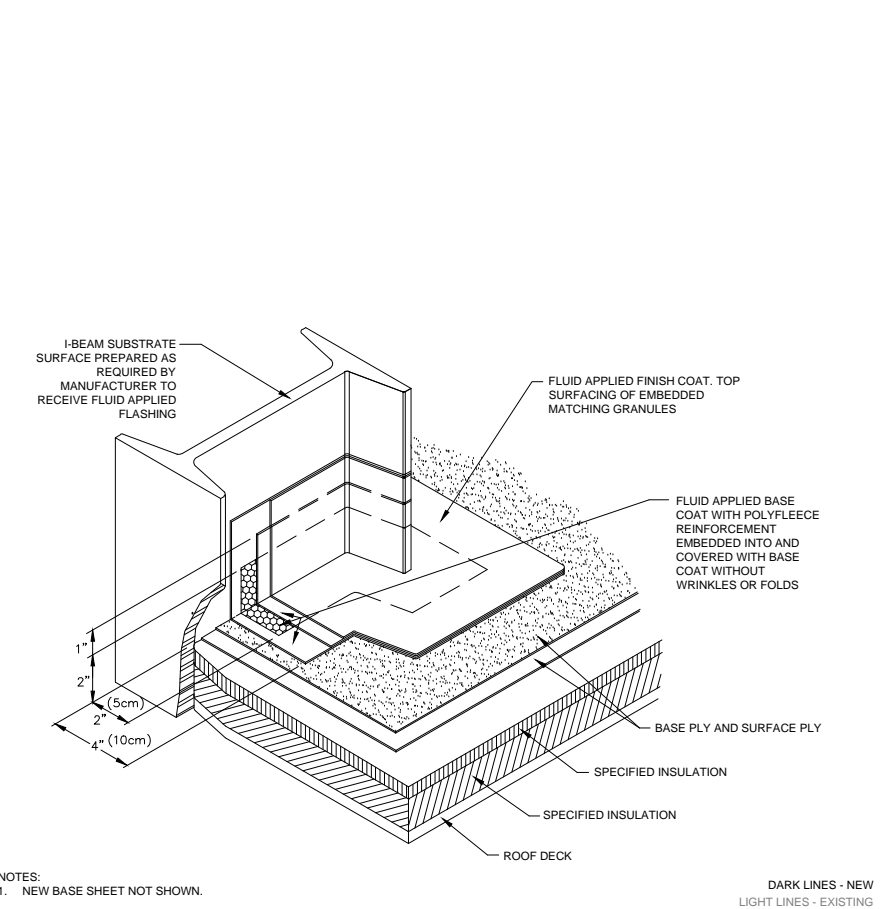
9 ROOF TO WALL SECTOR B

SCALE: 3" = 1' - 0"



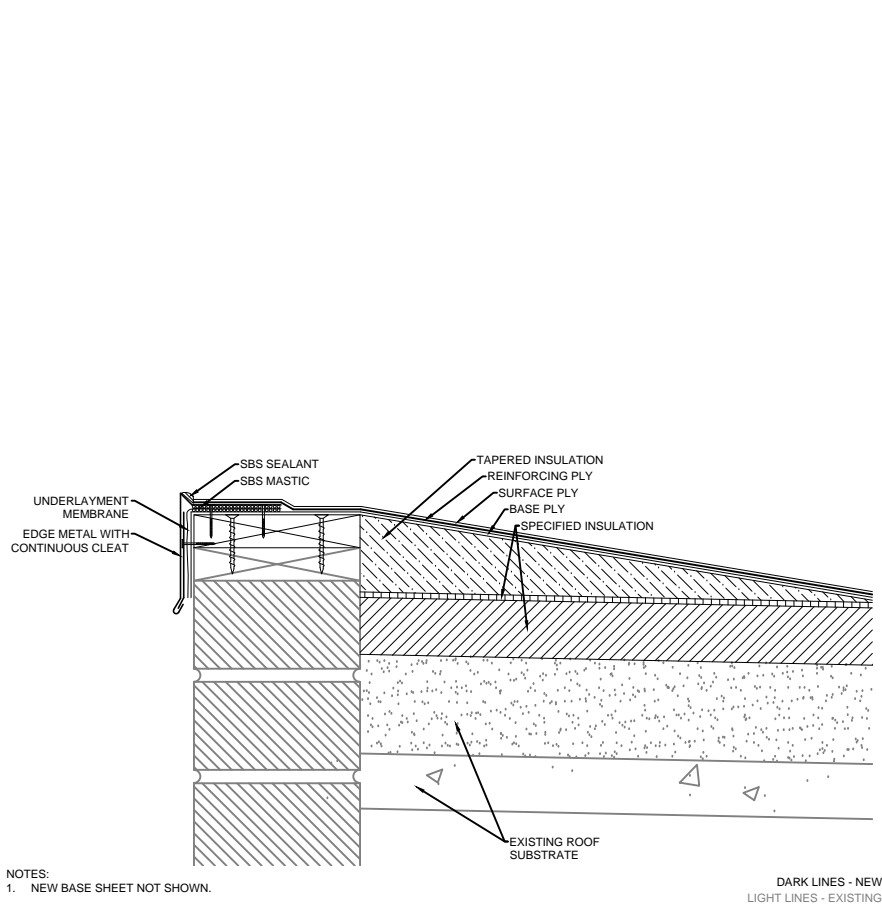
8 ROOF TO BRICK WALL SECTOR B

SCALE: 3" = 1' - 0"



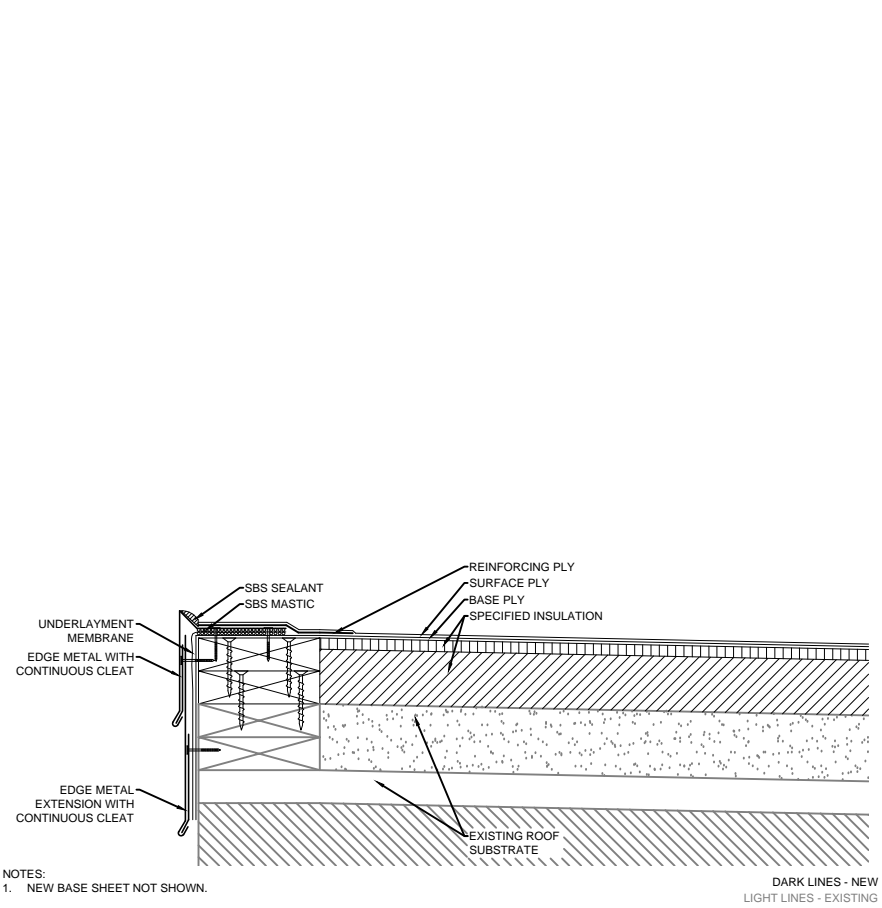
7 I-BEAM FLASHING

SCALE: N.T.S.



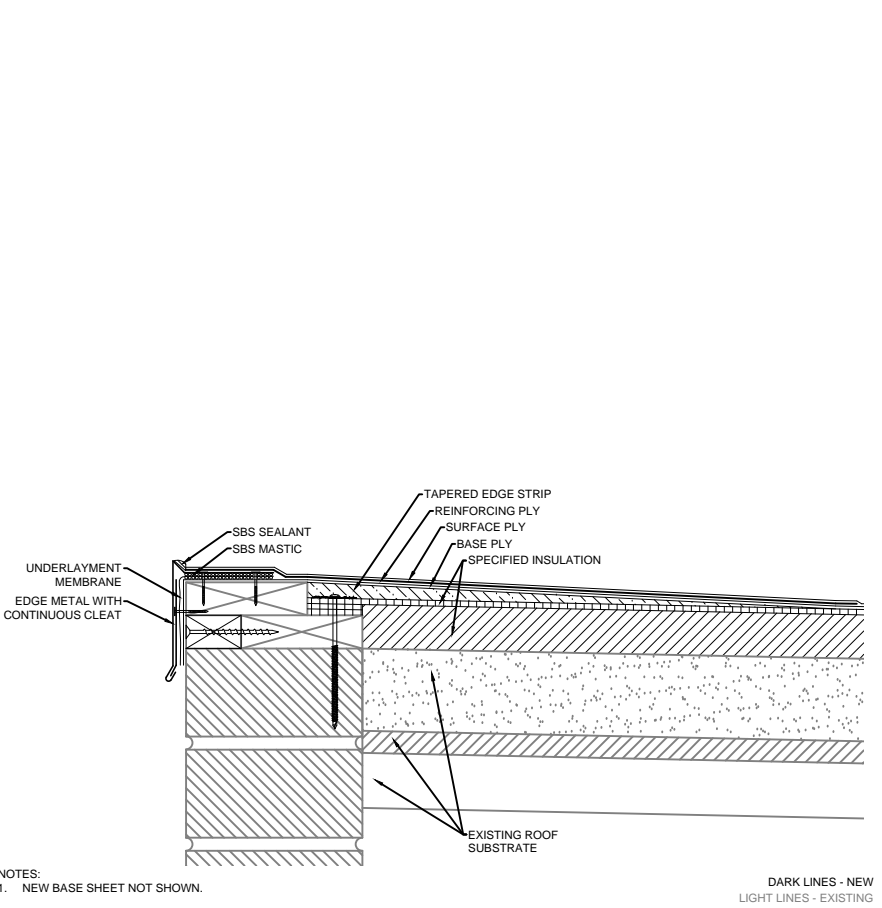
12 RAISED EDGE SECTOR E

SCALE: 3" = 1' - 0"



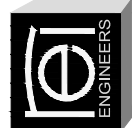
11 EAVE SECTOR D

SCALE: 3" = 1' - 0"

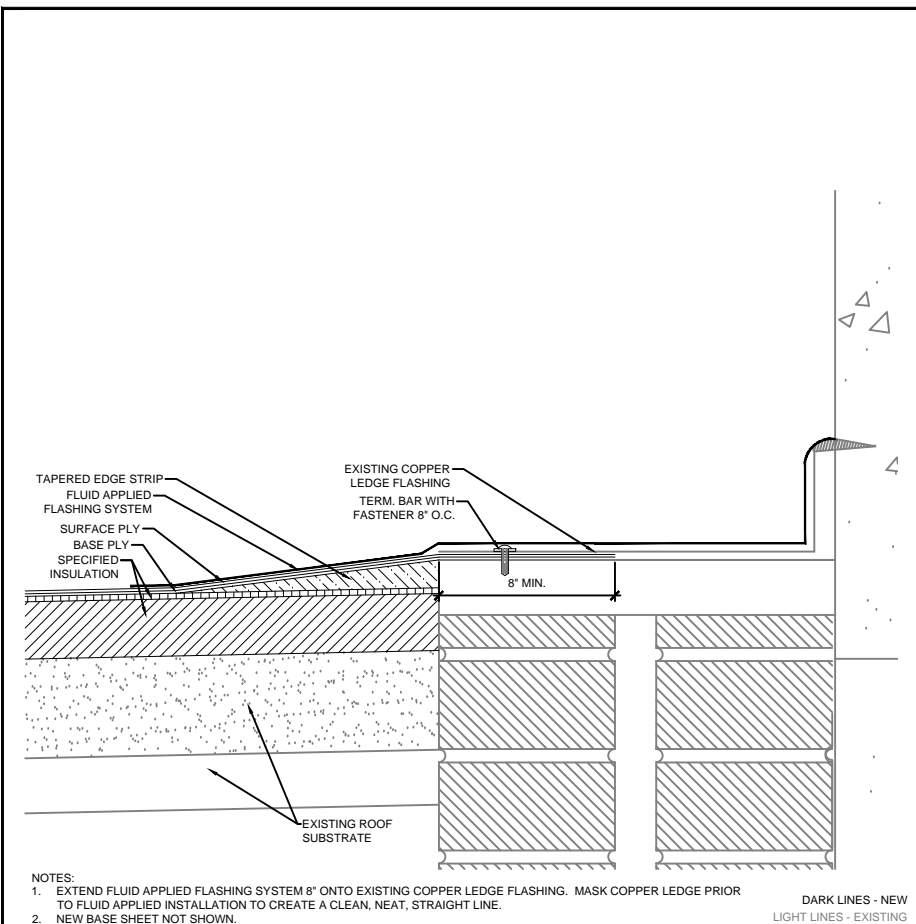


10 EAVE SECTOR C

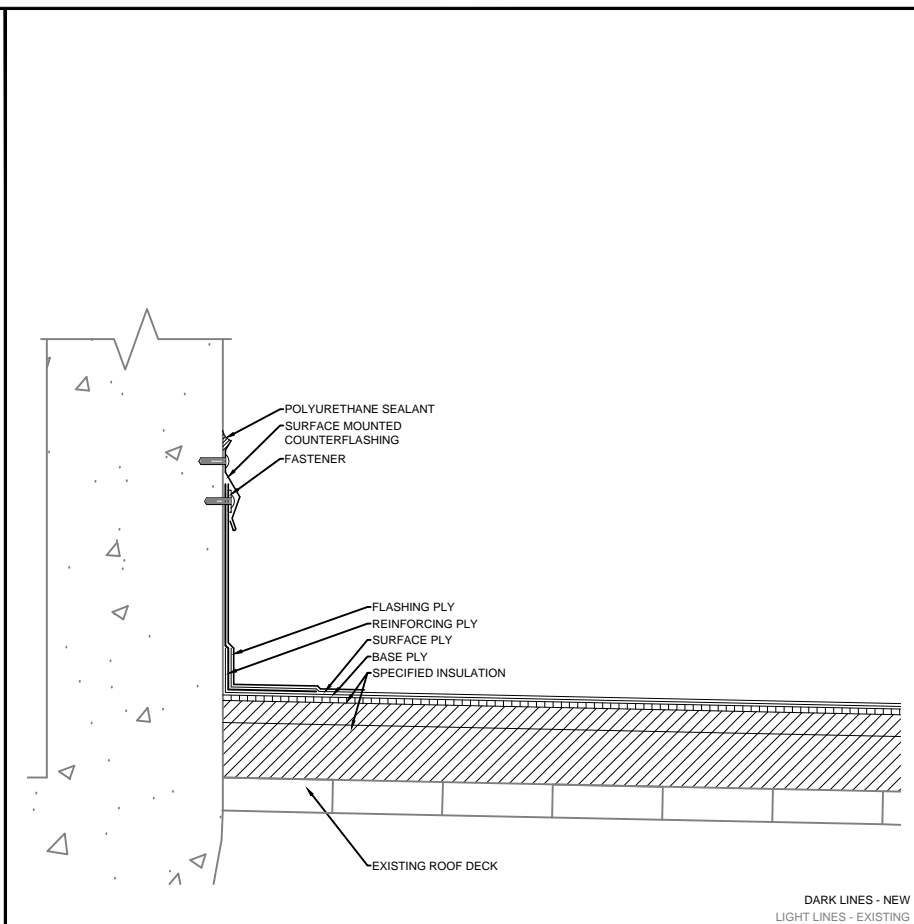
SCALE: 3" = 1' - 0"



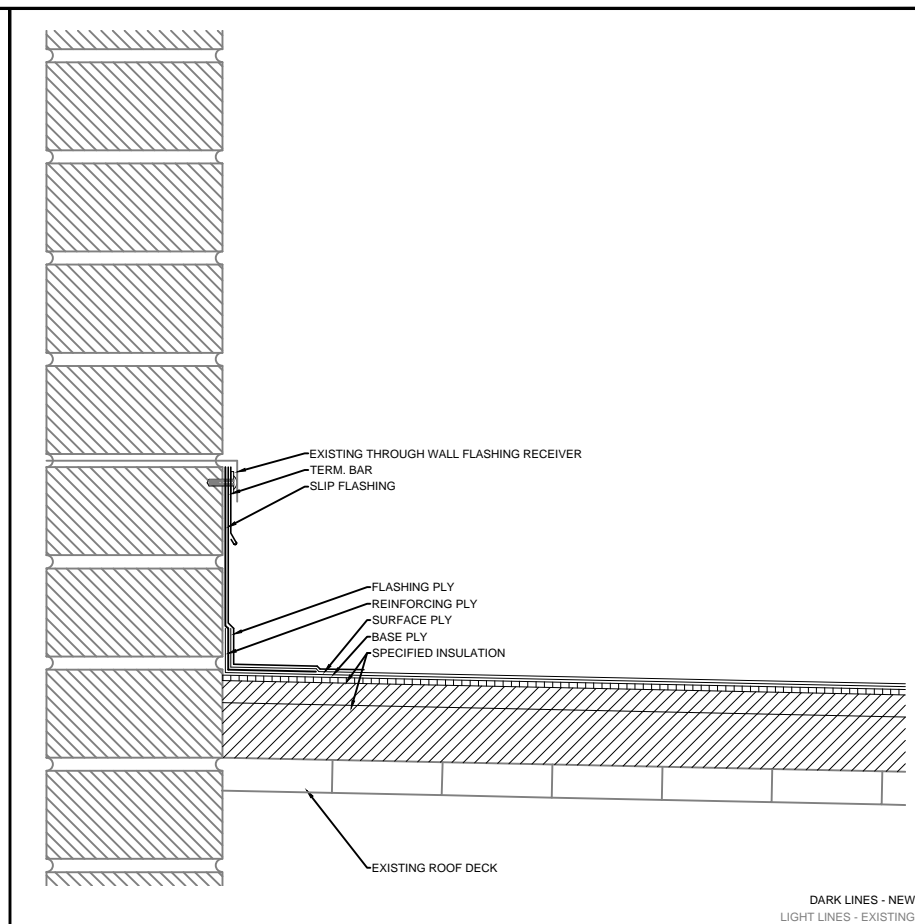
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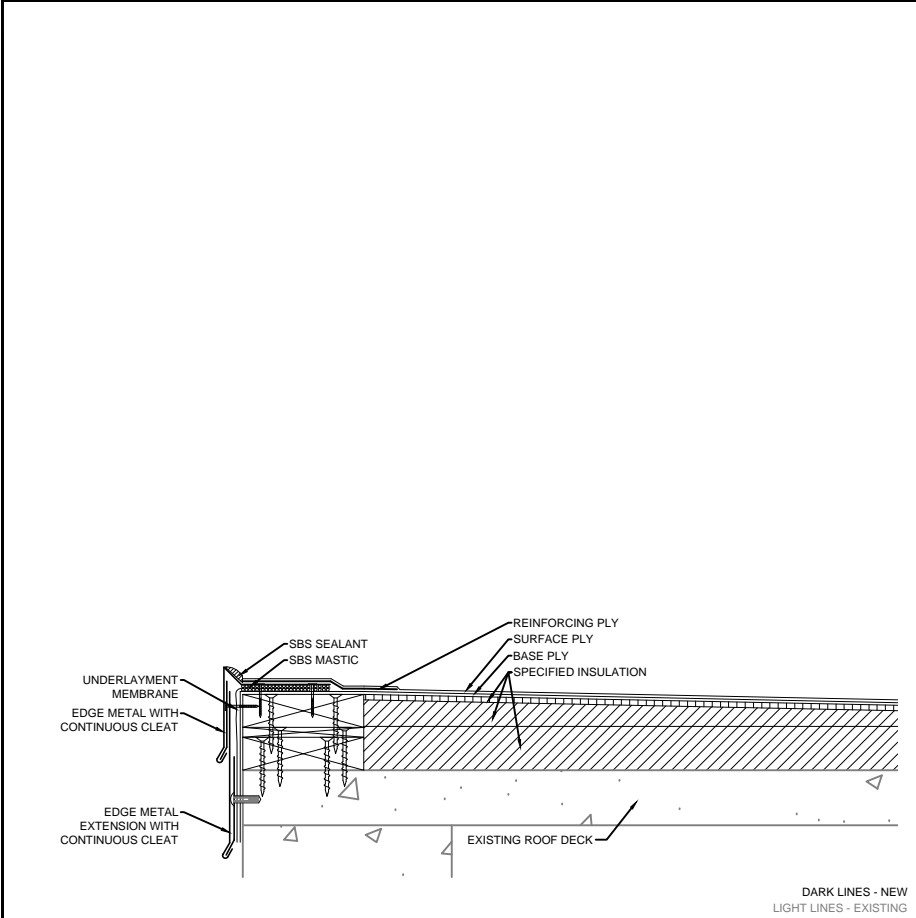
13 ROOF TO LEDGE SECTOR E
SCALE: N.T.S.



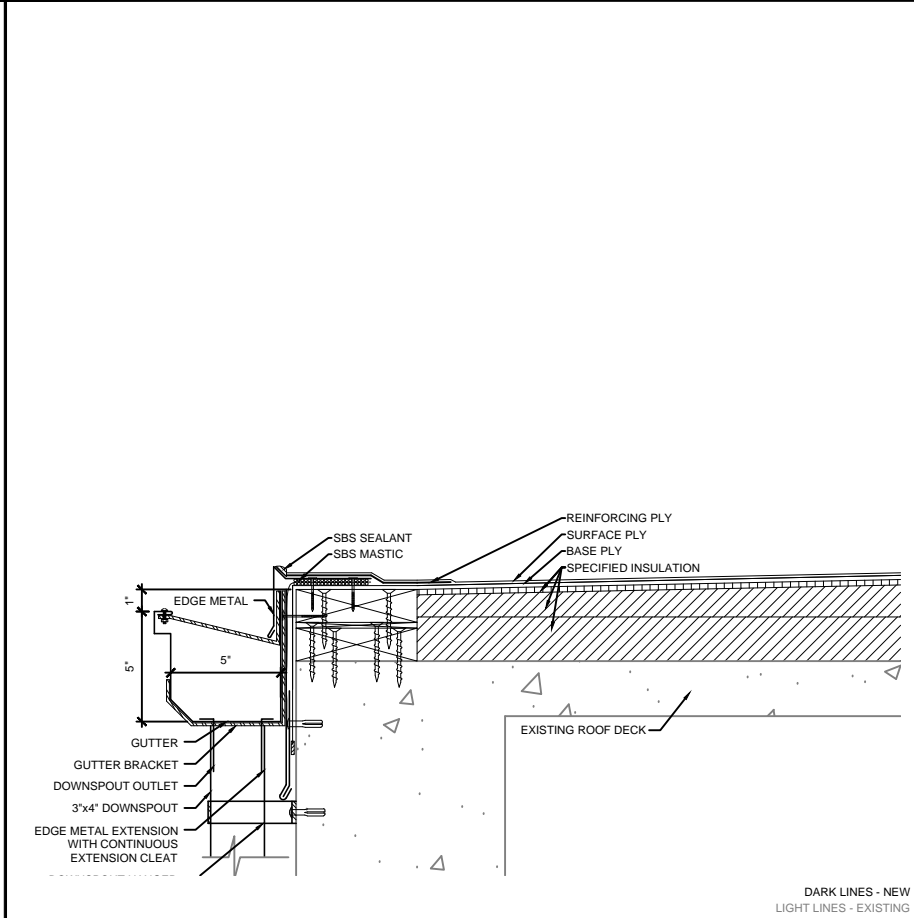
14 PARAPET WALL SECTOR F
SCALE: 3" = 1'-0"



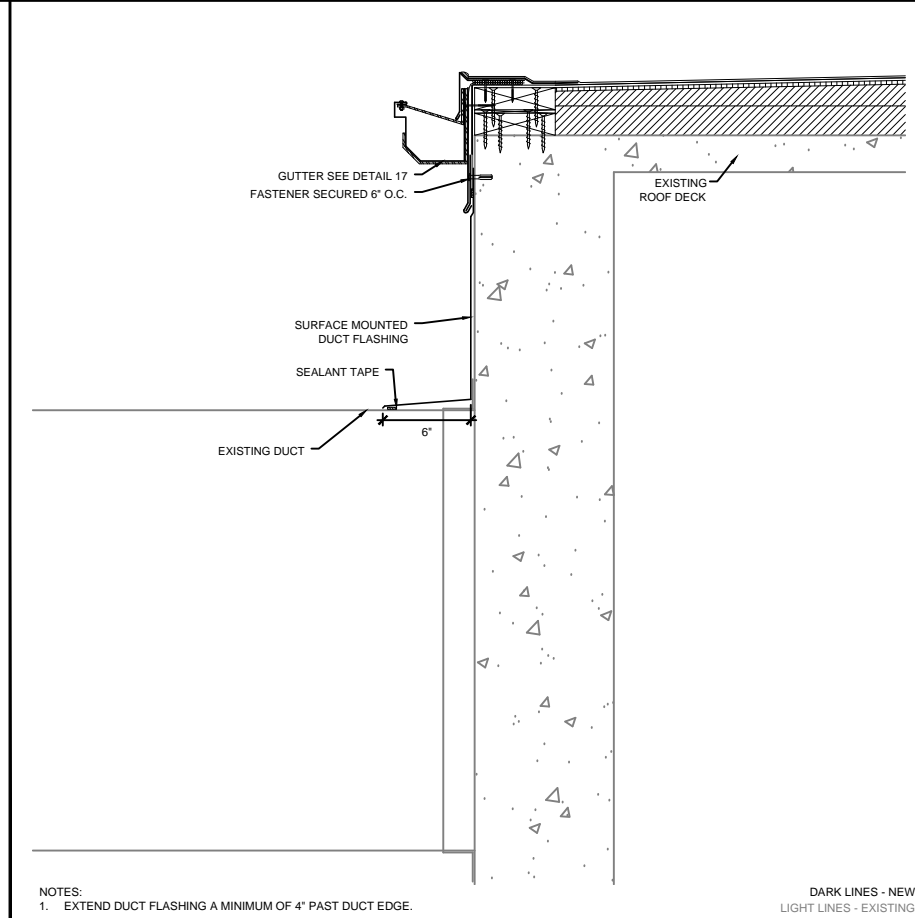
15 ROOF TO WALL SECTOR F
SCALE: 3" = 1'-0"



16 EAVE SECTOR G
SCALE: 3" = 1'-0"



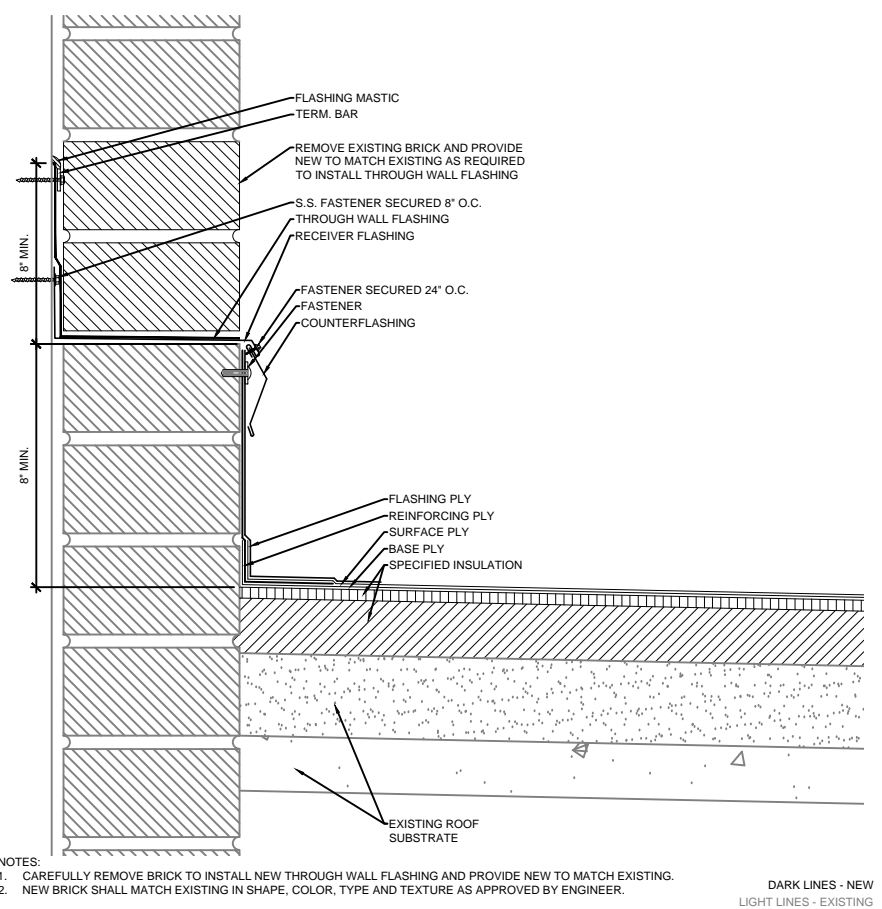
17 EAVE WITH GUTTER SECTOR G
SCALE: 3" = 1'-0"



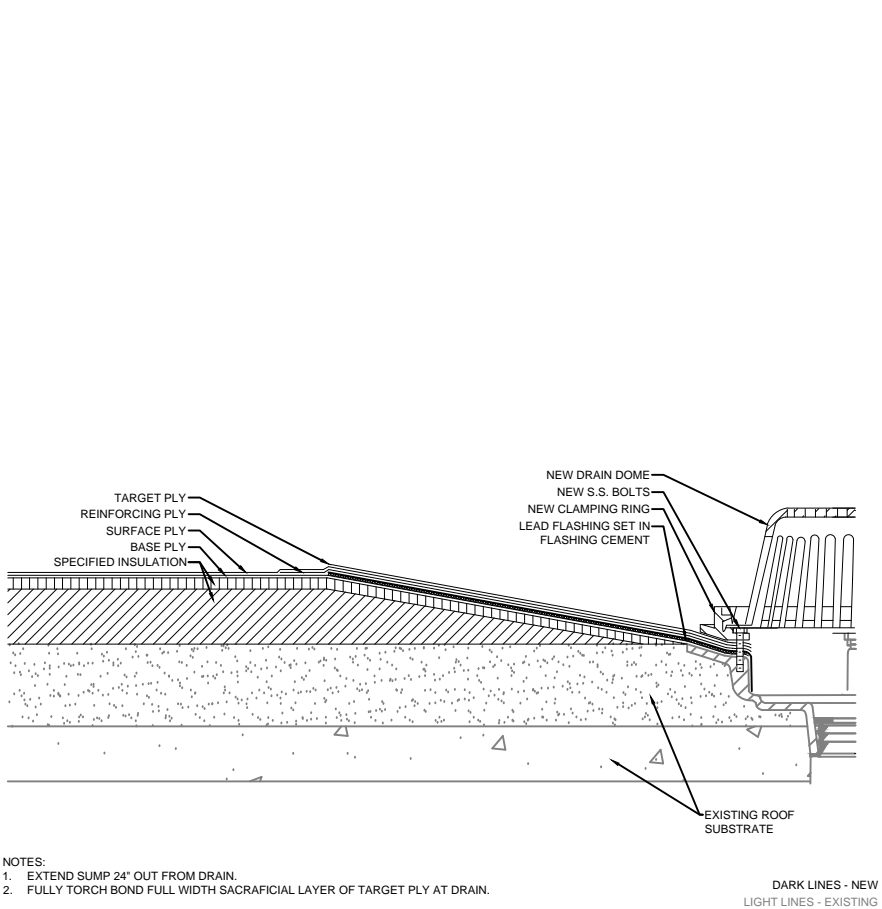
18 DUCT FLASHING
SCALE: 2" = 1'-0"

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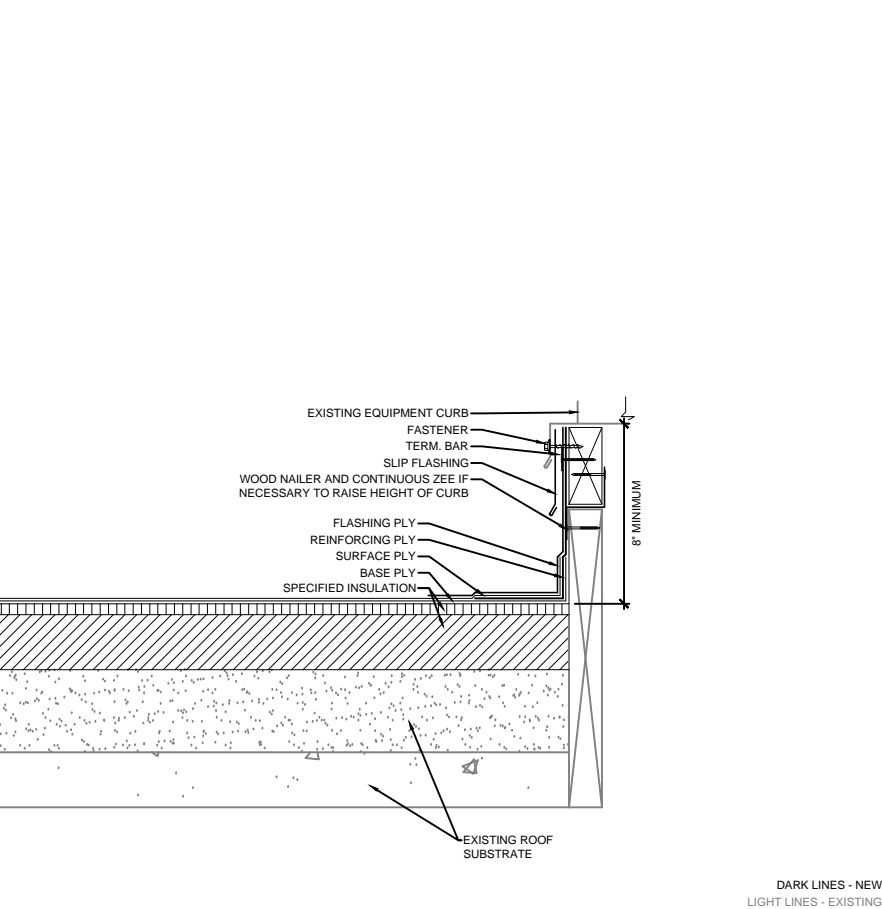
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R-203
SHEET 8 OF 10
ROOF DETAILS



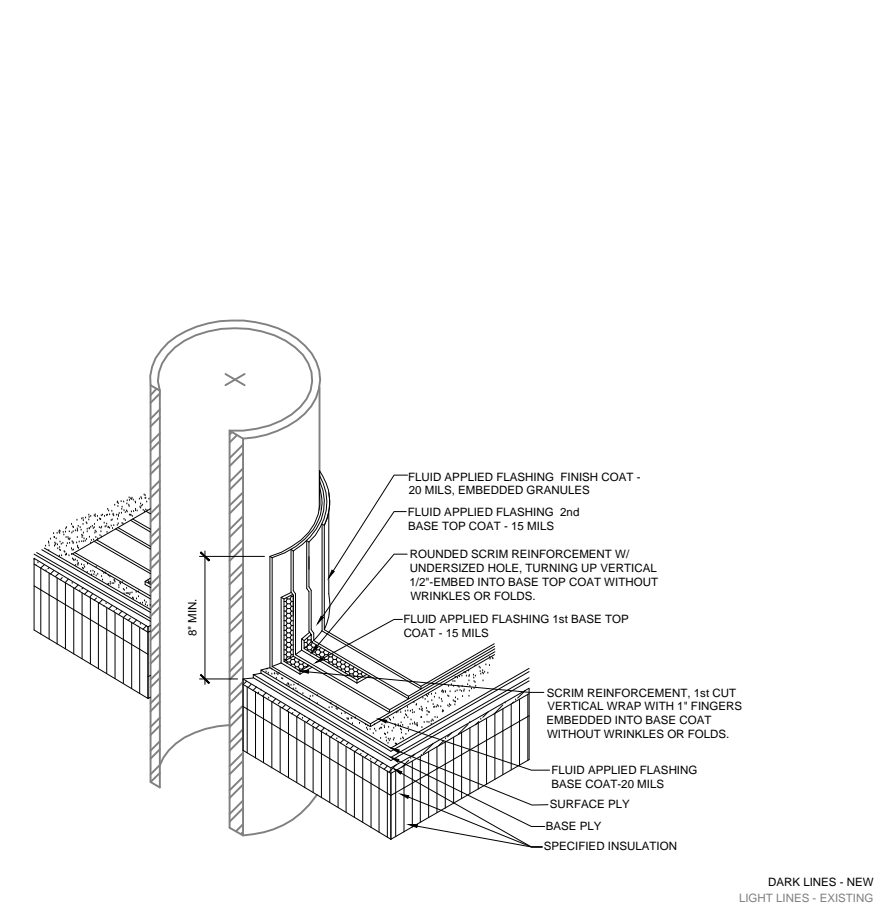
19 NEW THROUGH WALL FLASHING
SCALE: 3" = 1'-0"



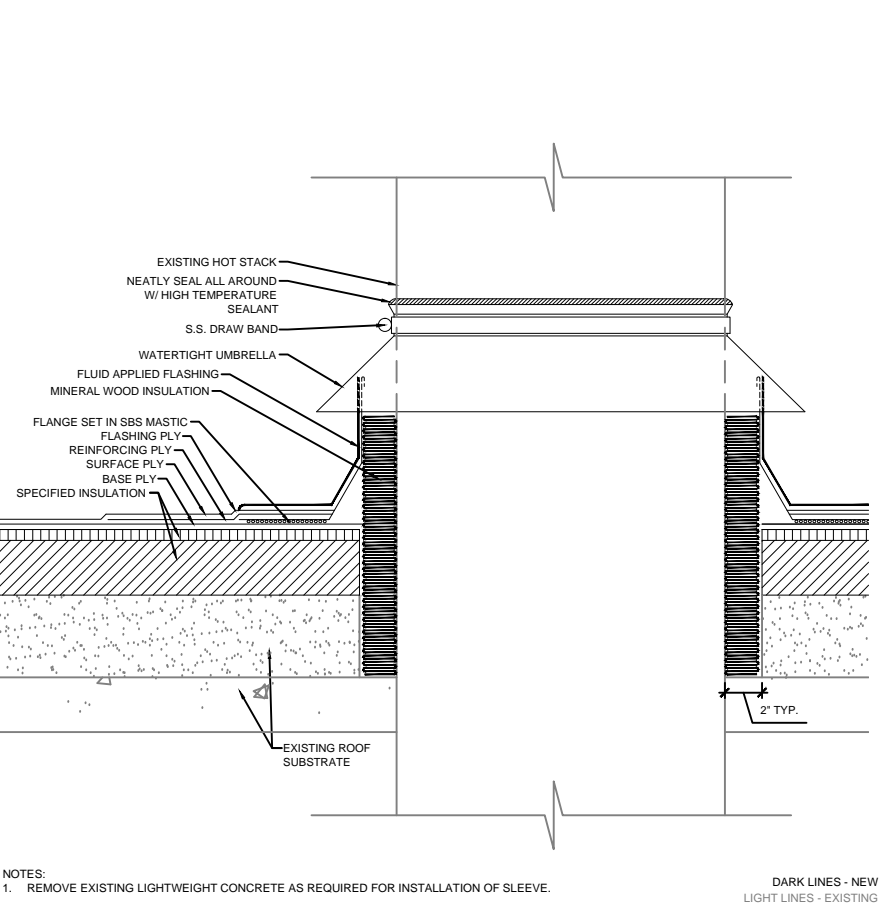
20 ROOF DRAIN
SCALE: 3" = 1'-0"



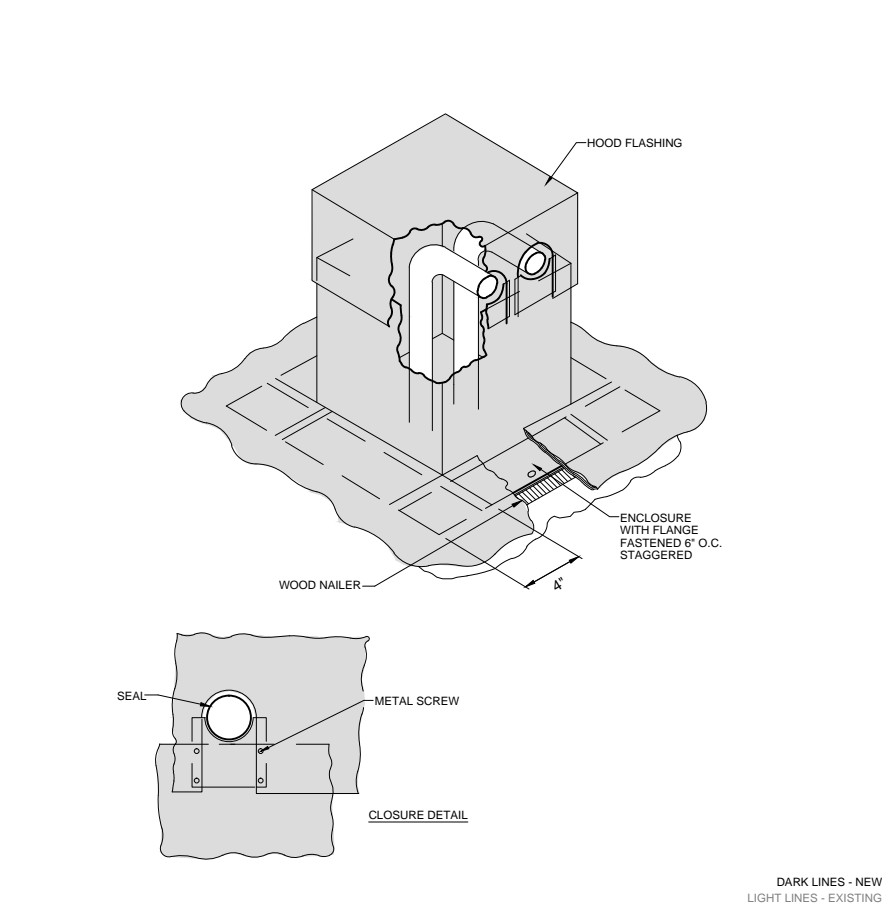
21 EQUIPMENT CURB
SCALE: 3" = 1'-0"



22 PIPE PENETRATION
SCALE: 3" = 1'-0"



23 HOT STACK
SCALE: 3" = 1'-0"



24 MULTIPLE PIPE PENETRATION
SCALE: N.T.S.

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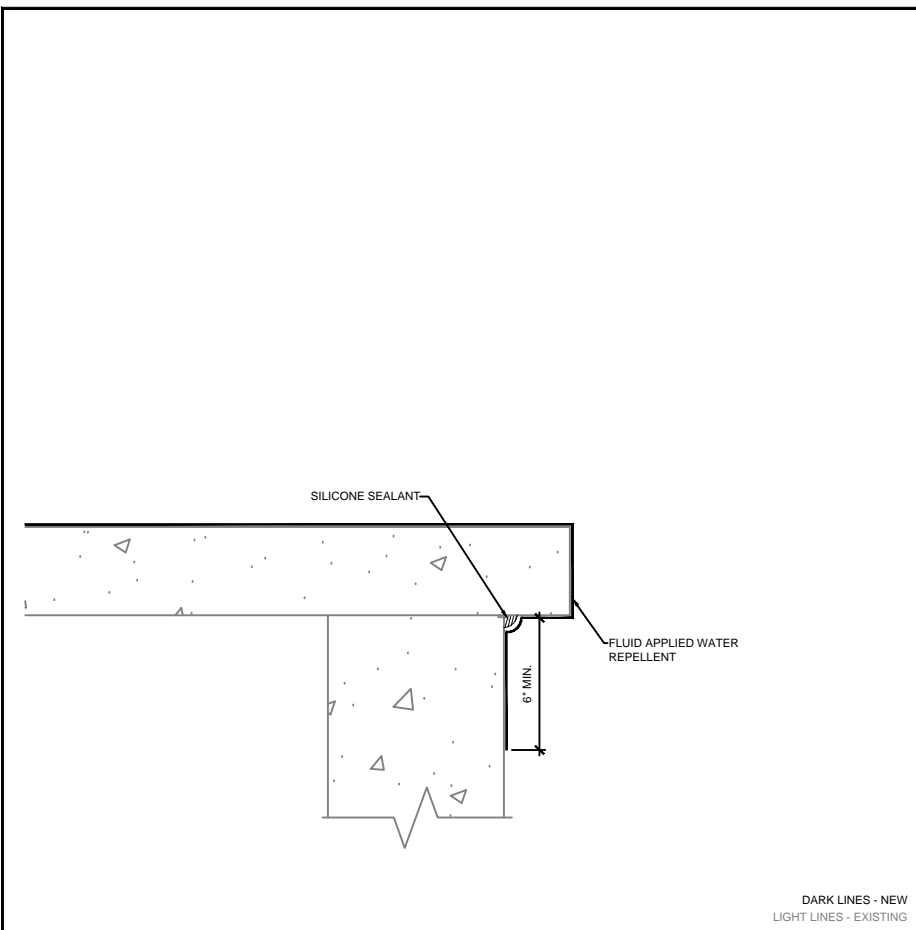


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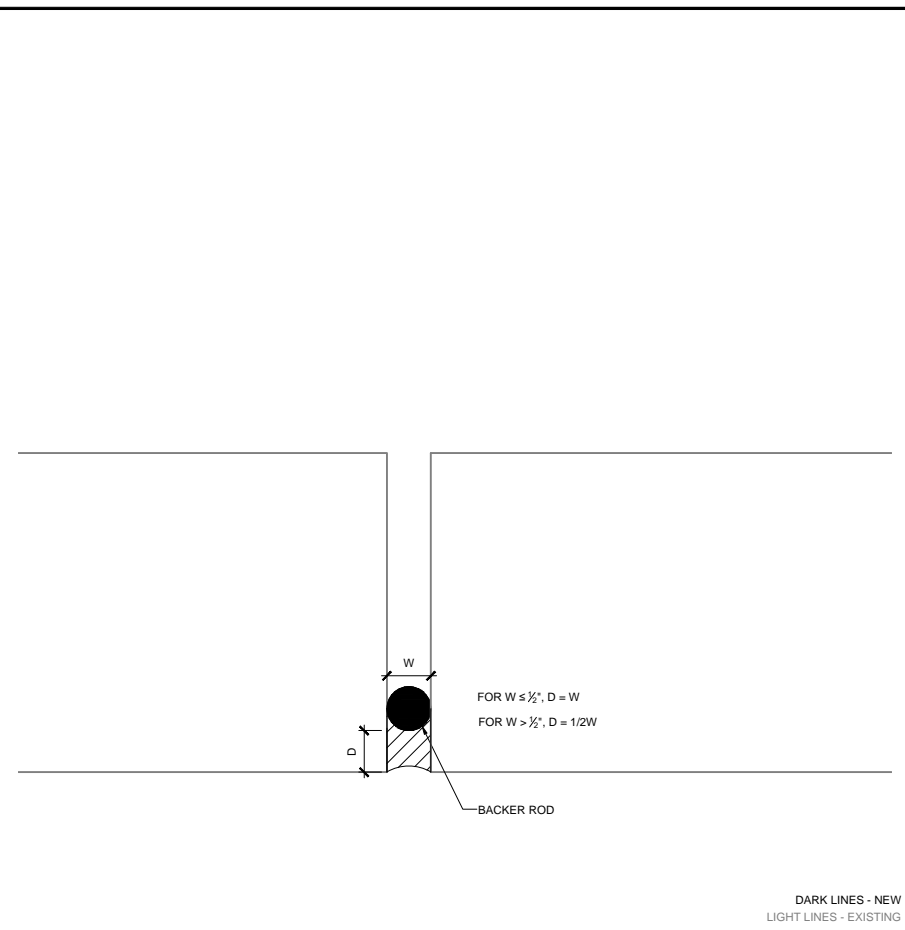
R-204
SHEET 9 OF 10
ROOF DETAILS



DARK LINES - NEW
LIGHT LINES - EXISTING

25 TYPICAL COPING DETAIL

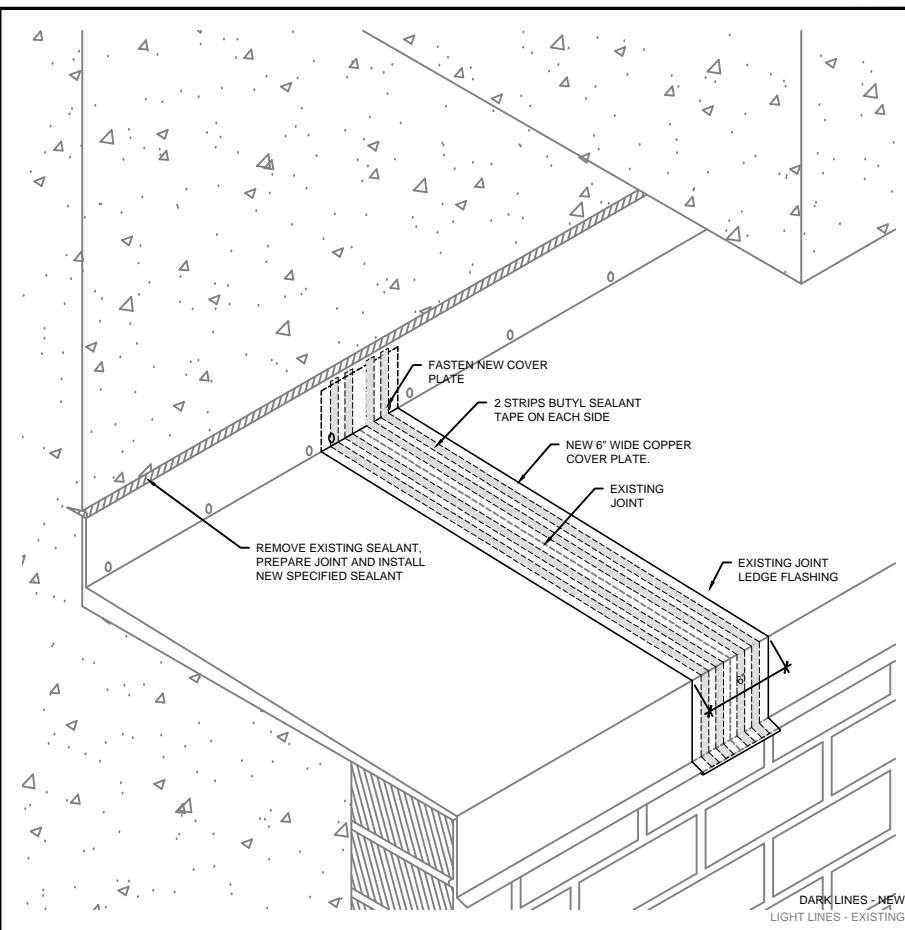
SCALE: 3" = 1'-0"



DARK LINES - NEW
LIGHT LINES - EXISTING

26 NEW SEALANT

SCALE: N.T.S.



DARK LINES - NEW
LIGHT LINES - EXISTING

27 COPPER LEDGE COVER

SCALE: N.T.S.

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SHEET 10 OF 10
ROOF DETAILS