

SPS THREE SCHOOL RE-ROOFS

SUFFOLK PUBLIC SCHOOLS

RRMM ARCHITECTS, PC

2900 South Quincy Street, Suite 710
Arlington, VA 22206
(703) 998-0101

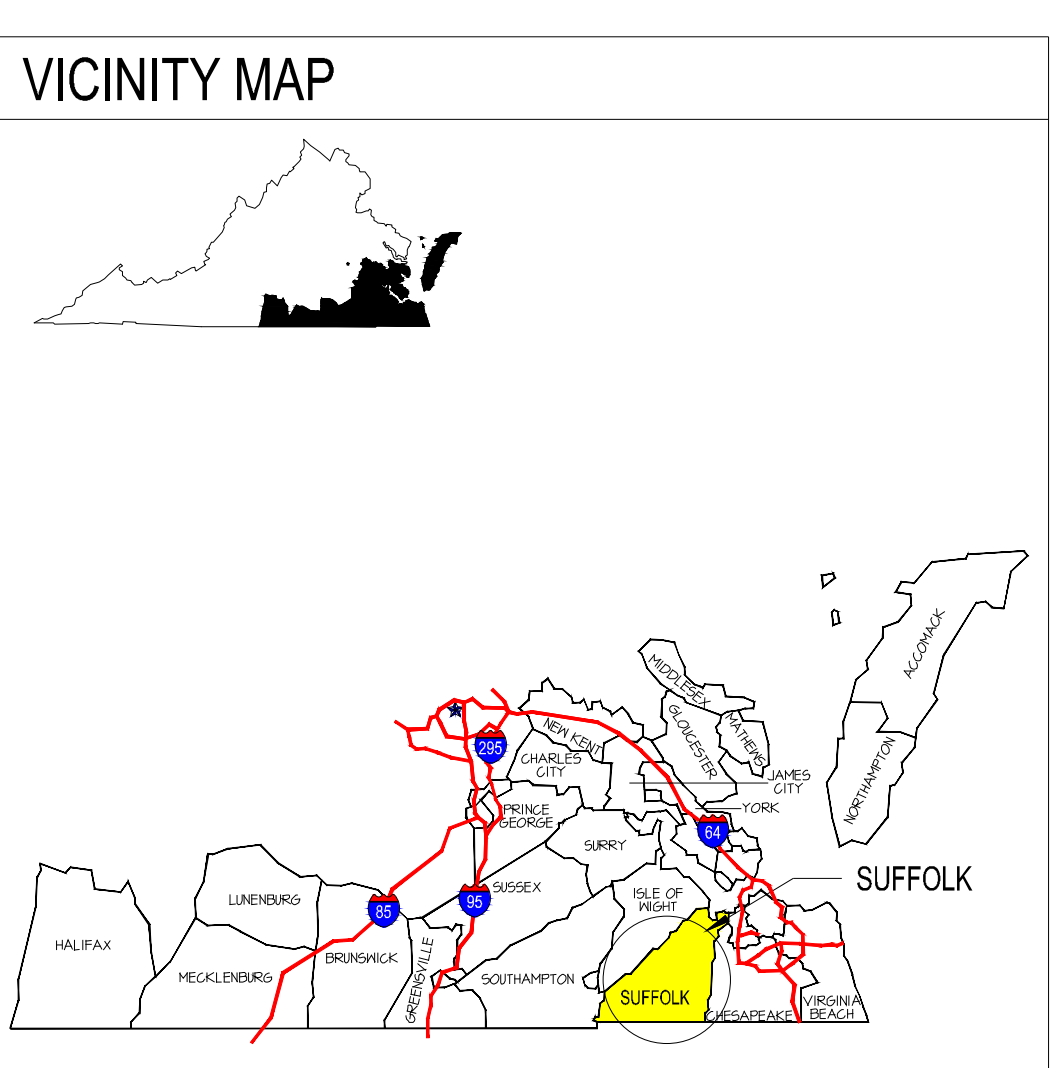
115 South 15th Street, Suite 202
Richmond, VA 23219
(804) 277-8987

ARCHITECTURE / PLANNING / INTERIORS

1317 Executive Boulevard, Suite 200
Chesapeake, VA 23320
(757) 622-2828

28 Church Avenue SW
Roanoke, VA 24011
(540) 344-1212

1 Research Court, Suite 450
Rockville, MD 20850
(240) 403-4101



CONSULTANTS

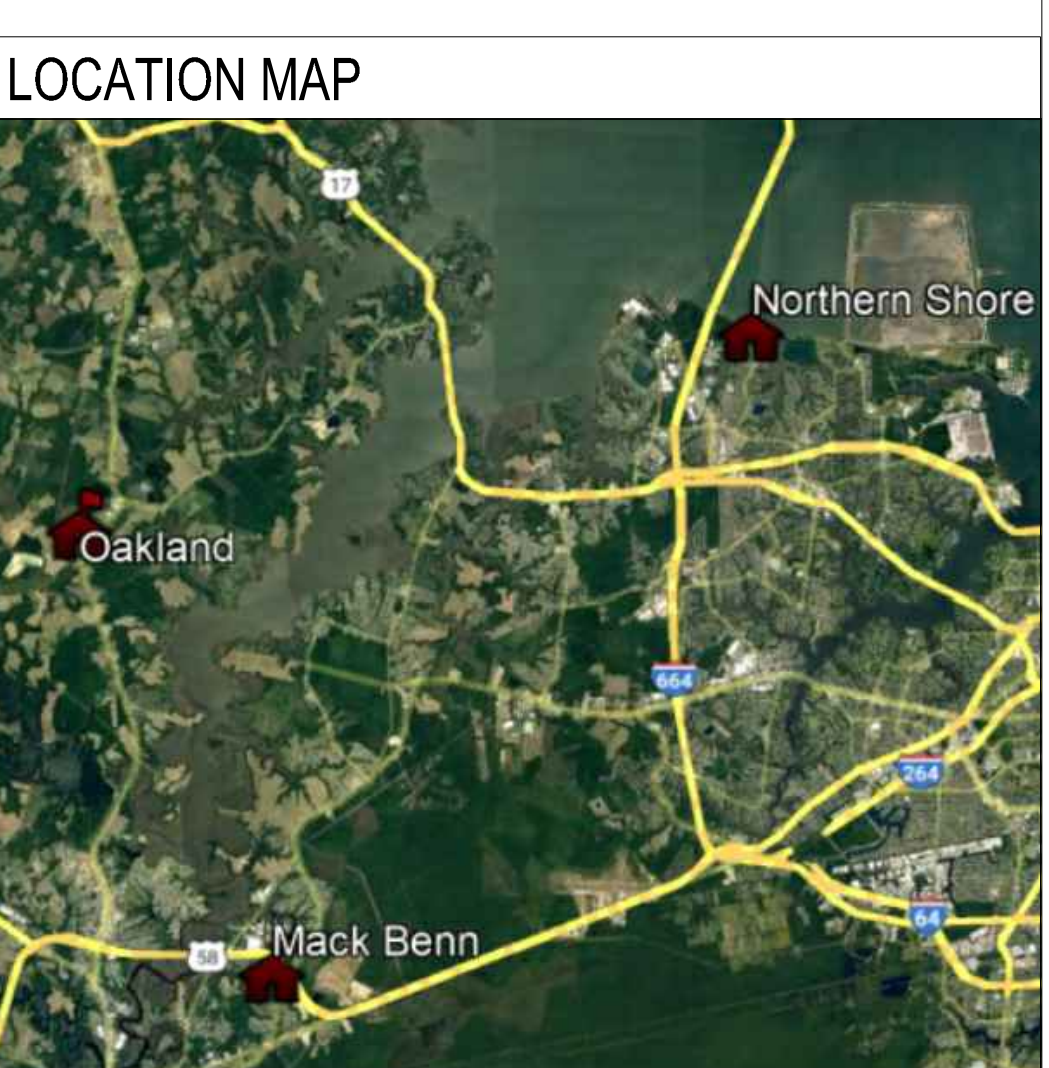
ROOF CONSULTING SERVICES, INC.
ROOF DESIGN
1660 Mountain Road
Glenn Allen, VA 23060
P: (800) 637-7109
F: (804) 515-0890

SHEET INDEX	
Sheet Number	Sheet Title
PROJECT TITLE SHEET	
G-001	TITLE SHEET
ARCHITECTURAL	
A-001	ARCHITECTURAL GENERAL INFORMATION
RA100	OAKLAND ELEMENTARY SCHOOL - PARTIAL ROOF PLAN
RA101	OAKLAND ELEMENTARY SCHOOL - PARTIAL ROOF PLAN
RA200	OAKLAND ELEMENTARY SCHOOL - ROOF DETAILS
RA201	OAKLAND ELEMENTARY SCHOOL - ROOF DETAILS
RA202	OAKLAND ELEMENTARY SCHOOL - ROOF DETAILS
RB100	MACK BENN ELEMENTARY SCHOOL - ROOF PLAN
RB200	MACK BENN ELEMENTARY SCHOOL - ROOF DETAILS
RB201	MACK BENN ELEMENTARY SCHOOL - ROOF DETAILS
RC100	NORTHERN SHORE ELEMENTARY SCHOOL - ROOF PLAN
RC200	NORTHERN SHORE ELEMENTARY SCHOOL - ROOF DETAILS
RC201	NORTHERN SHORE ELEMENTARY SCHOOL - ROOF DETAILS

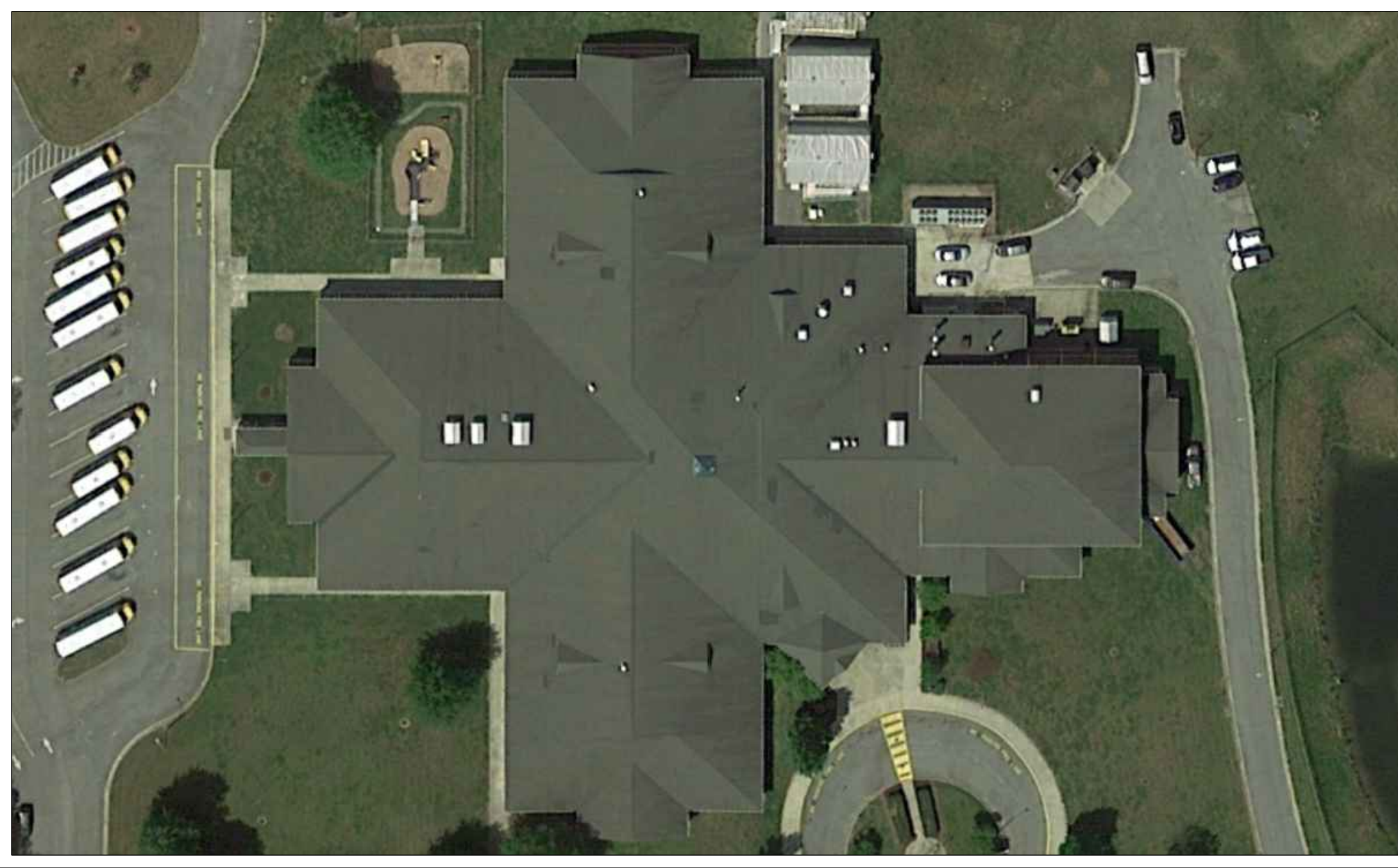
OWNER

SUFFOLK CITY PUBLIC SCHOOLS

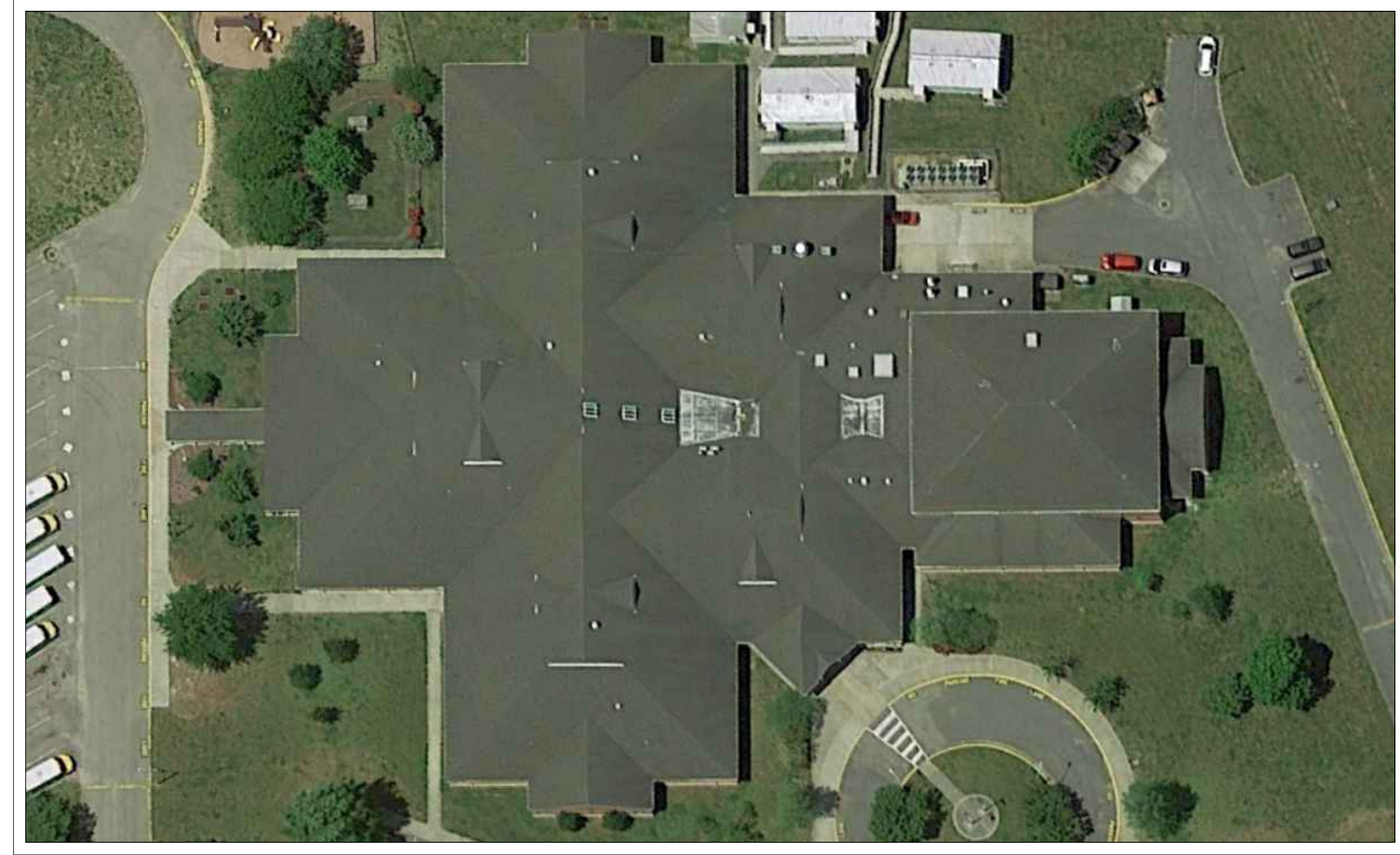
100 N. Main Street
Suffolk, VA 23434
P: (757) 925-6750
F: (757) 925-6751



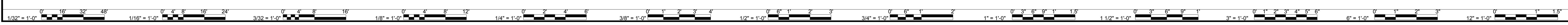
OAKLAND ELEMENTARY SCHOOL
5505 GODWIN BLVD
SUFFOLK, VIRGINIA



MACK BENN ELEMENTARY SCHOOL
1253 NANSEMOND PKWY
SUFFOLK, VIRGINIA



NORTHERN SHORES ELEMENTARY SCHOOL
6701 RESPASS BEACH ROAD
SUFFOLK, VIRGINIA



DESCRIPTION

BY

DATE

REVISIONS

01/14/2022

PROJECT

DESIGNED

DRAWN

CHECKED

WDS

BMJ

WDS

RRMM

ARCHITECTS, PC

1317 Executive Blvd, Suite 200

Chesapeake, Virginia 23320

(757) 622-2828

PROJECT

DRAWING

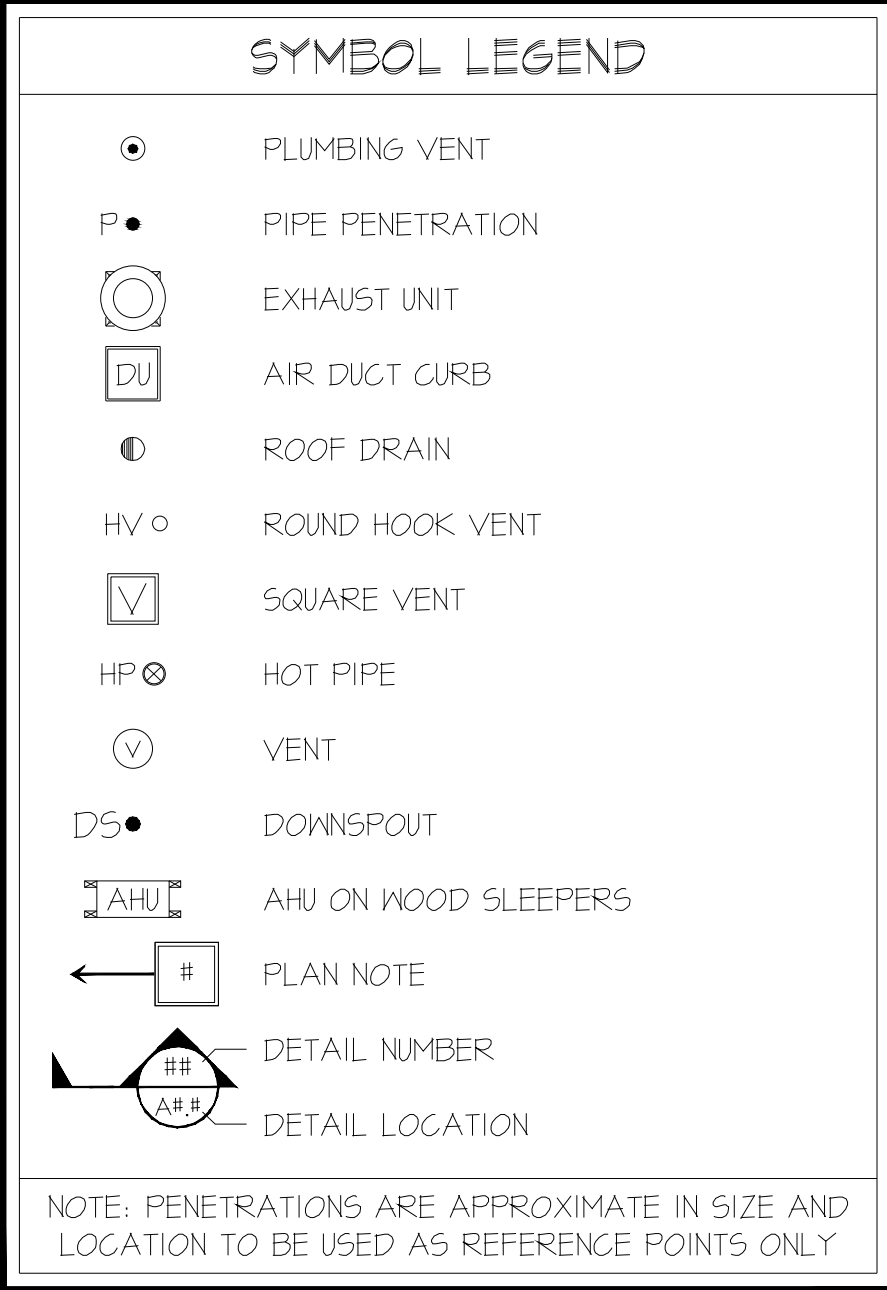
SHEET

SPS THREE SCHOOLS RE-ROOFS

SUFFOLK PUBLIC SCHOOLS

TITLE SHEET

G-001



	MARK	DATE	BY	DESCRIPTION
REVISIONS				

DATE	14 JANUARY 2022
PROJECT	21222-01
DESIGNED	JBM / DWH
DRAWN	B.M.J.
CHECKED	JBM / DWH

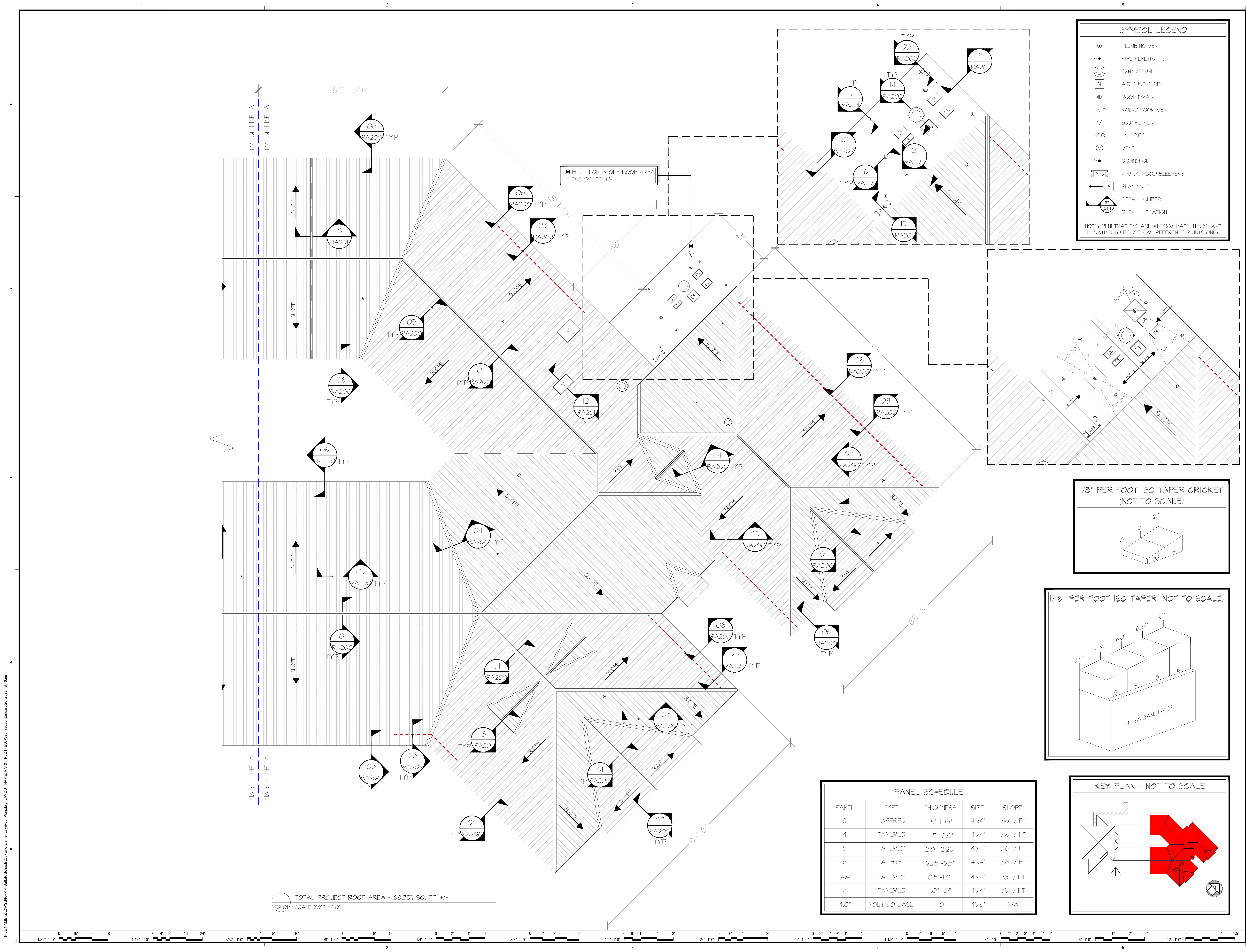


PROJECT	SPS THREE SCHOOL RE-ROOFS SUFFOLK PUBLIC SCHOOLS OAKLAND ELEMENTARY SCHOOL - PARTIAL ROOF PLAN
DRAWING	5585 GODWIN BLVD. SUFFOLK, VIRGINIA 23454

VIRGINIA DEPARTMENT OF EDUCATION, ---

SHEET

RA100

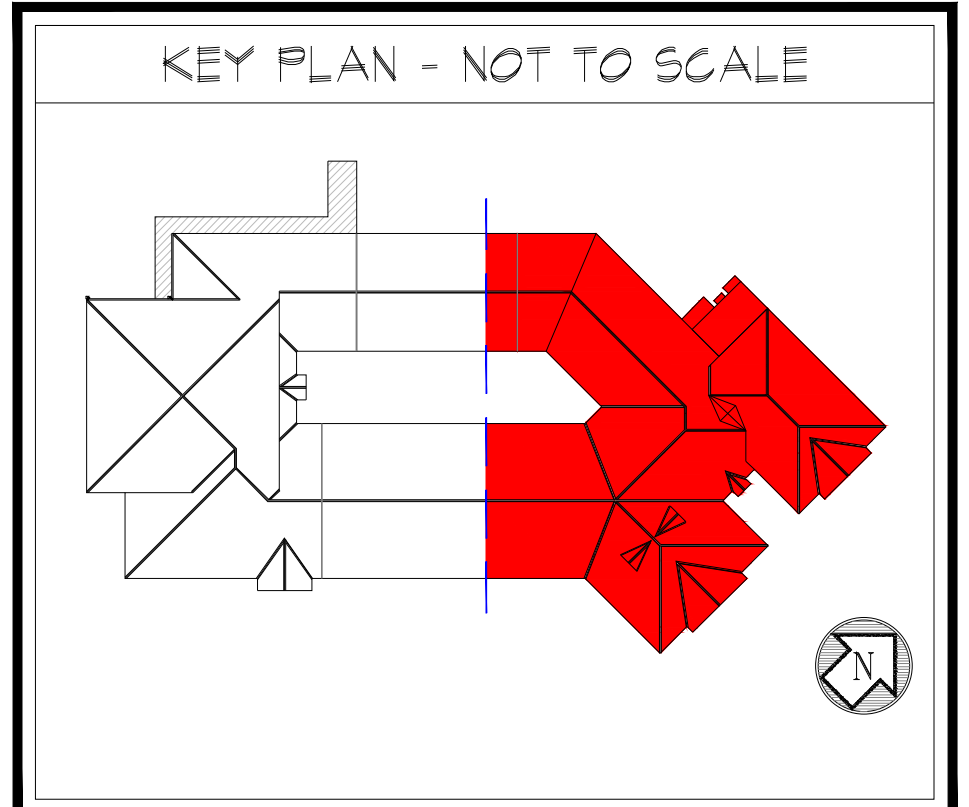
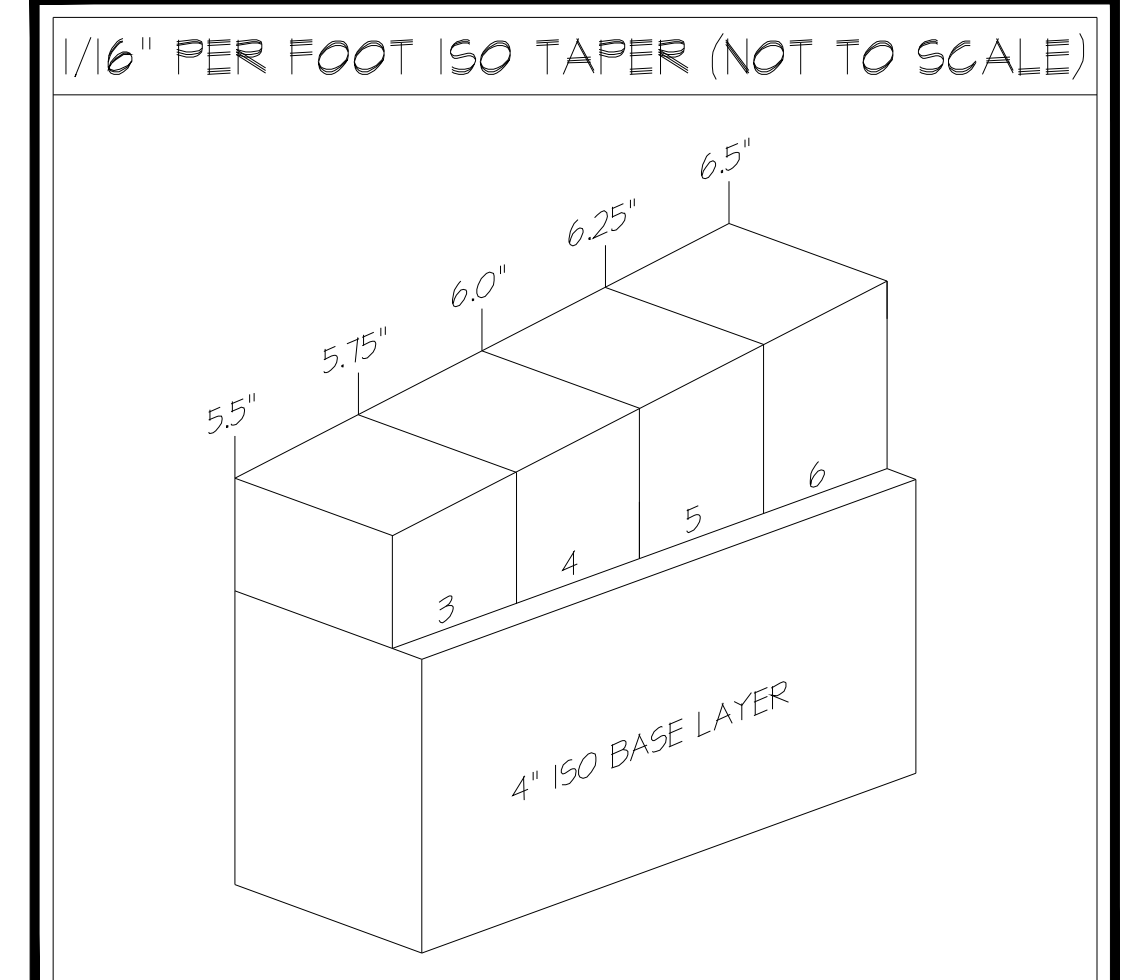
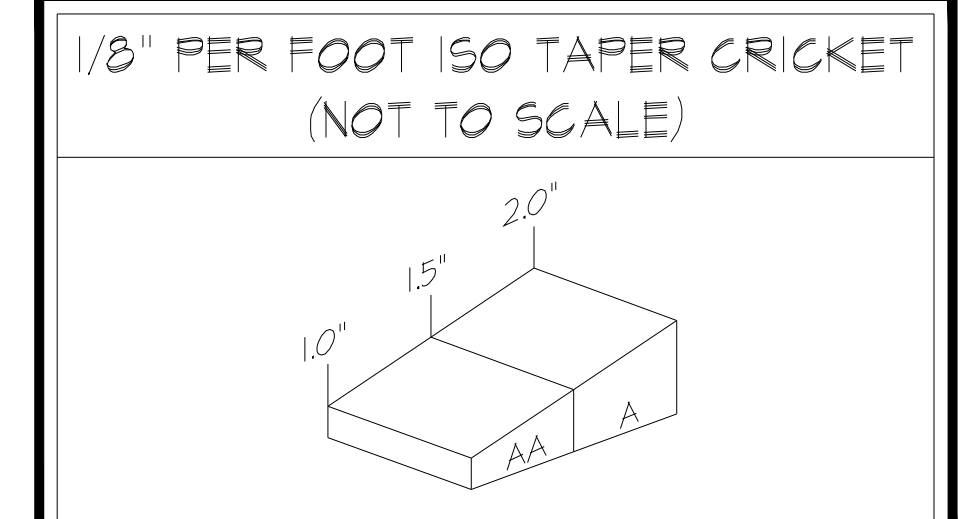


SYMBOL LEGEND

- PLUMBING VENT
- PIPE PENETRATION
- EXHAUST UNIT
- AIR DUCT CURB
- ROOF DRAIN
- ROUND HOOK VENT
- SQUARE VENT
- HOT PIPE
- VENT
- DOWNSPOUT
- AHU ON WOOD SLEEPERS
- PLAN NOTE
- DETAIL NUMBER
- DETAIL LOCATION

NOTE: PENETRATIONS ARE APPROXIMATE IN SIZE AND LOCATION TO BE USED AS REFERENCE POINTS ONLY

PANEL SCHEDULE				
PANEL	TYPE	THICKNESS	SIZE	SLOPE
3	TAPERED	1.5"-1.75"	4'x4'	1/16" / FT
4	TAPERED	1.75"-2.0"	4'x4'	1/16" / FT
5	TAPERED	2.0"-2.25"	4'x4'	1/16" / FT
6	TAPERED	2.25"-2.5"	4'x4'	1/16" / FT
AA	TAPERED	0.5"-1.0"	4'x4'	1/8" / FT
A	TAPERED	1.0"-1.5"	4'x4'	1/8" / FT
4.0"	POLYISO BASE	4.0"	4'x8'	N/A



DESCRIPTION

BY

MARK

DATE

REVISIONS

DATE

PROJECT

DESIGNED

DRAWN

CHECKED

14 JANUARY 2022

212201

JMM/DH

BWJ

JMM/DH

RRMM

ARCHITECTS, PC

1317 Executive Blvd, Suite 200

Chesapeake, Virginia 23320

(757) 622-2628

VIRGINIA DEPARTMENT OF EDUCATION

SPS THREE SCHOOL RE-ROOFS

SUFFOLK PUBLIC SCHOOLS

OAKLAND ELEMENTARY SCHOOL - PARTIAL ROOF PLAN

5505 GODWIN BLVD.

SUFFOLK, VIRGINIA 23434

PROJECT

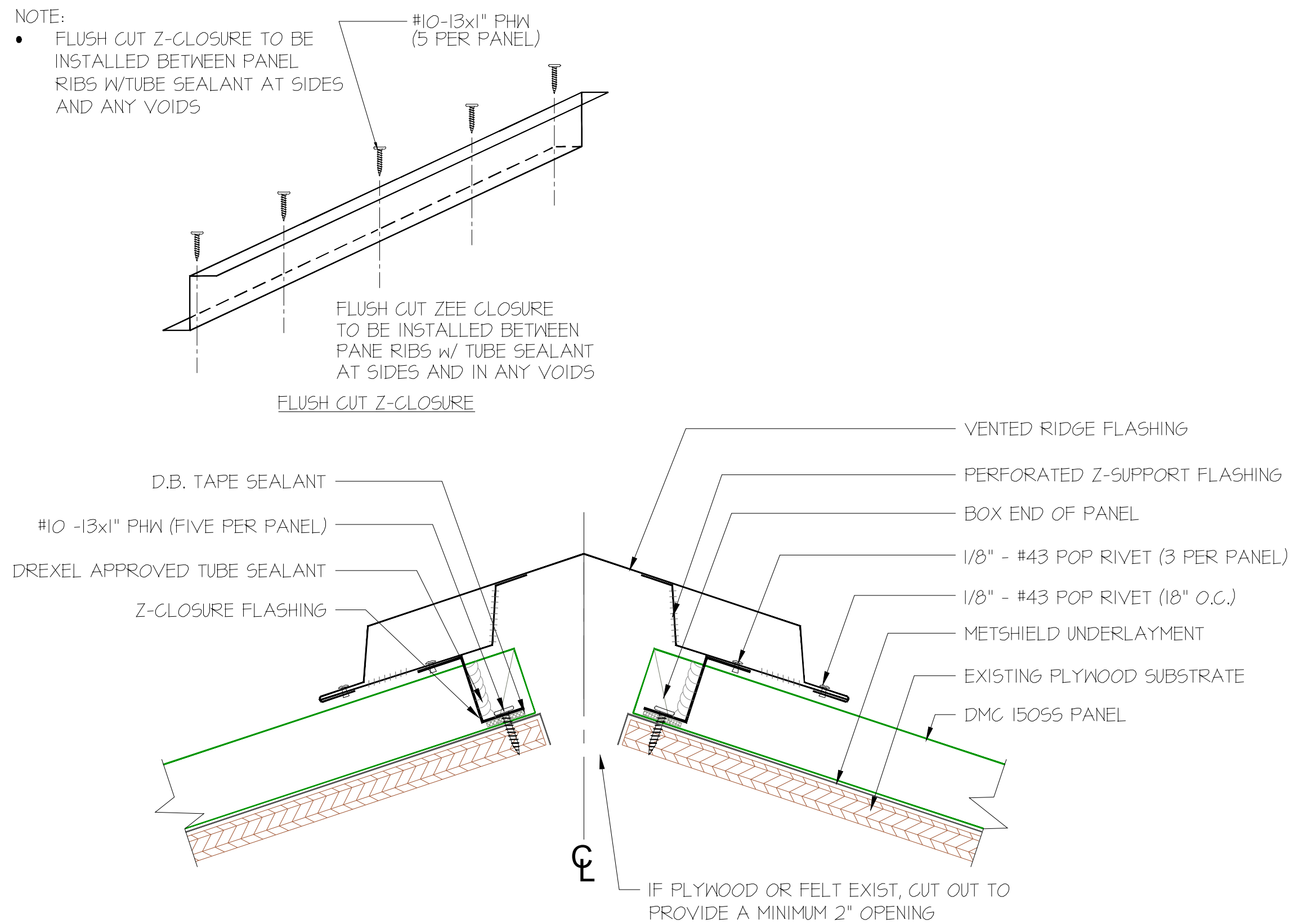
DRAWING

SHEET

RA101

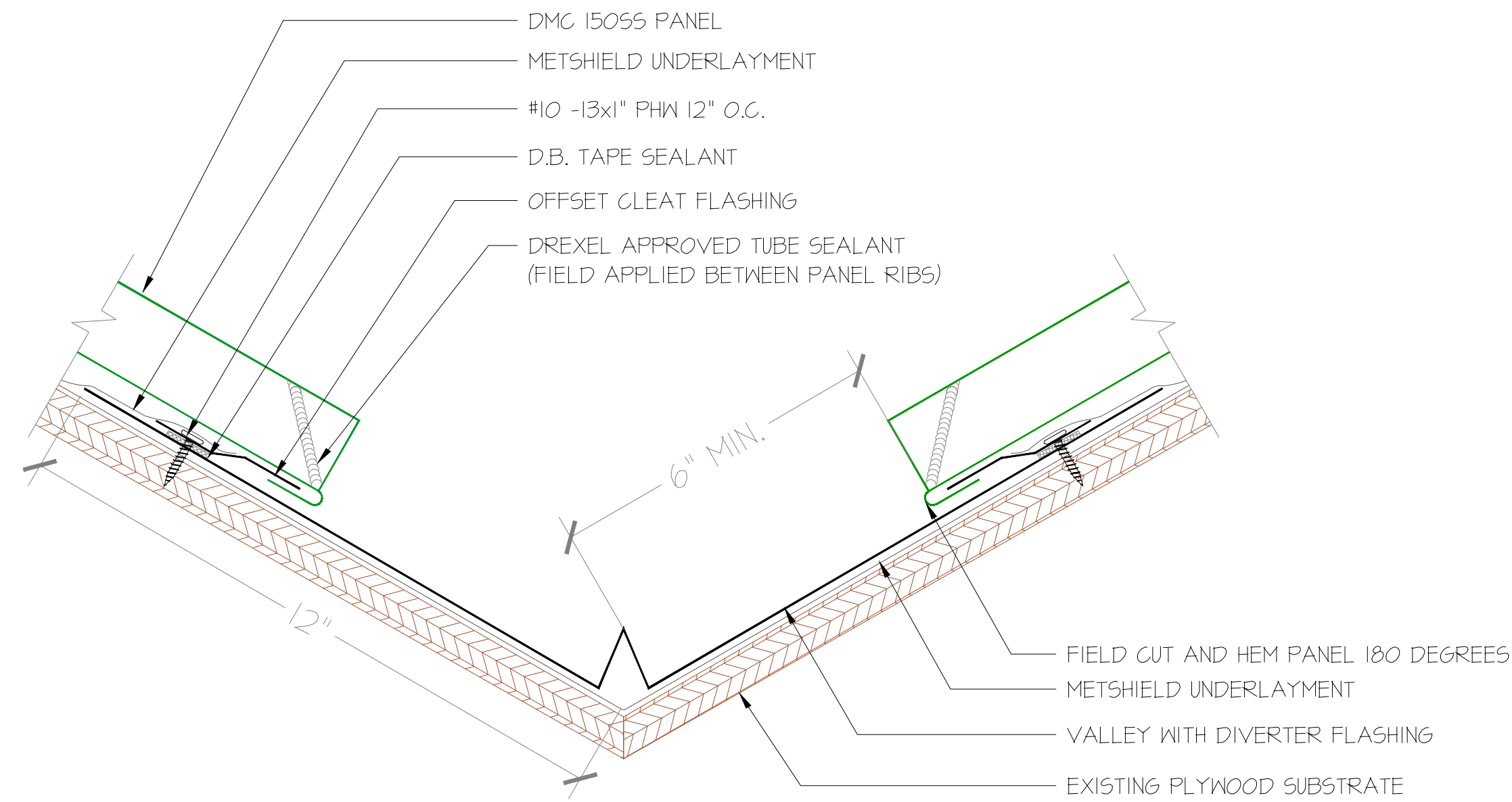
FILE NAME: Z:\DIVISIONS\RRMM\Surf\ Schools\Oakland Elementary\Roof Details.dwg LAYOUT NAME: RA200 PLOTTED: Wednesday, January 26, 2022 8:46am

NOTE:
• FLUSH CUT Z-CLOSURE TO BE INSTALLED BETWEEN PANEL RIBS w/ TUBE SEALANT AT SIDES AND ANY VOIDS

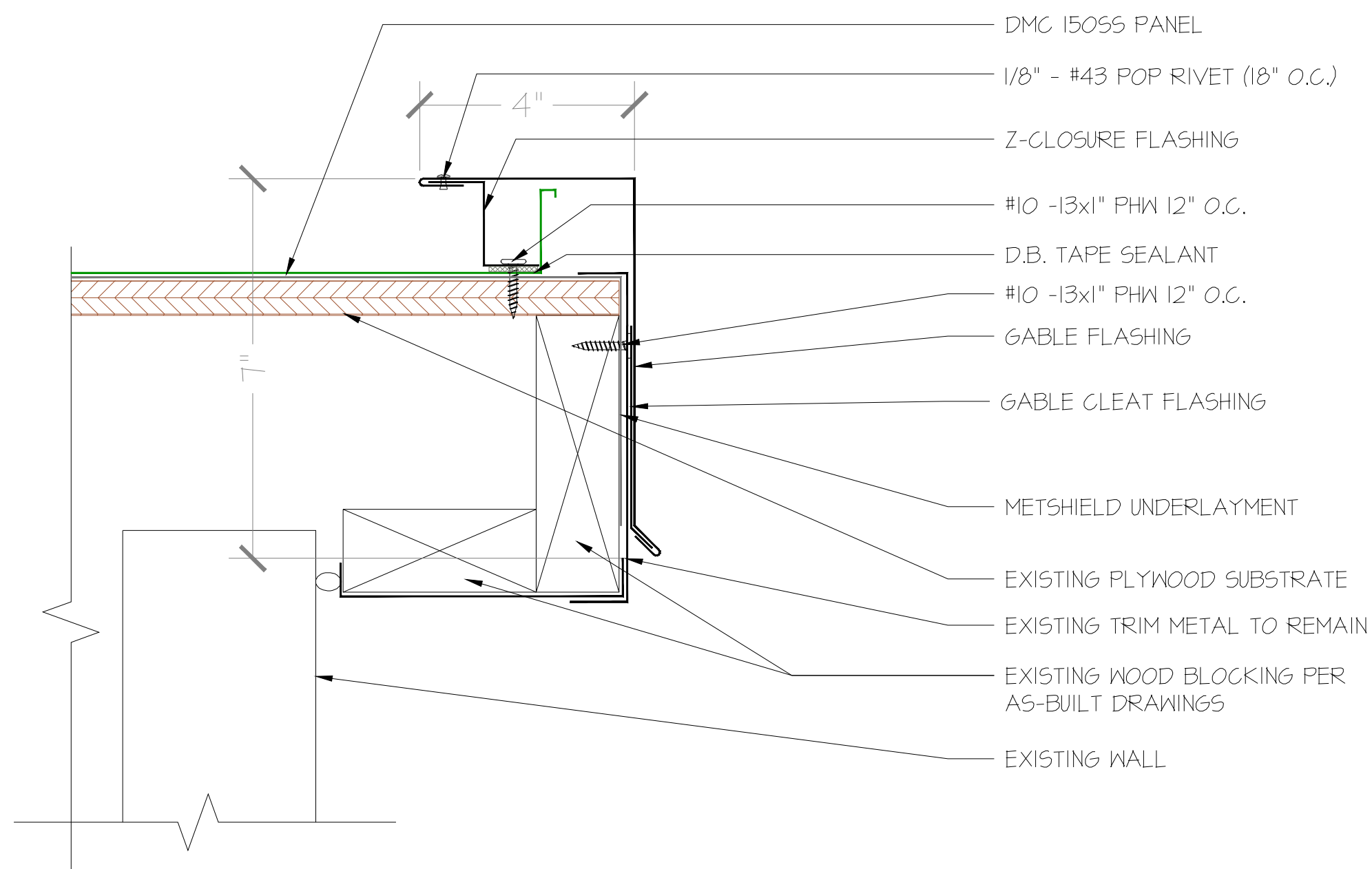


01 RIDGE WITH VENT
RA200 SCALE: N.T.S.

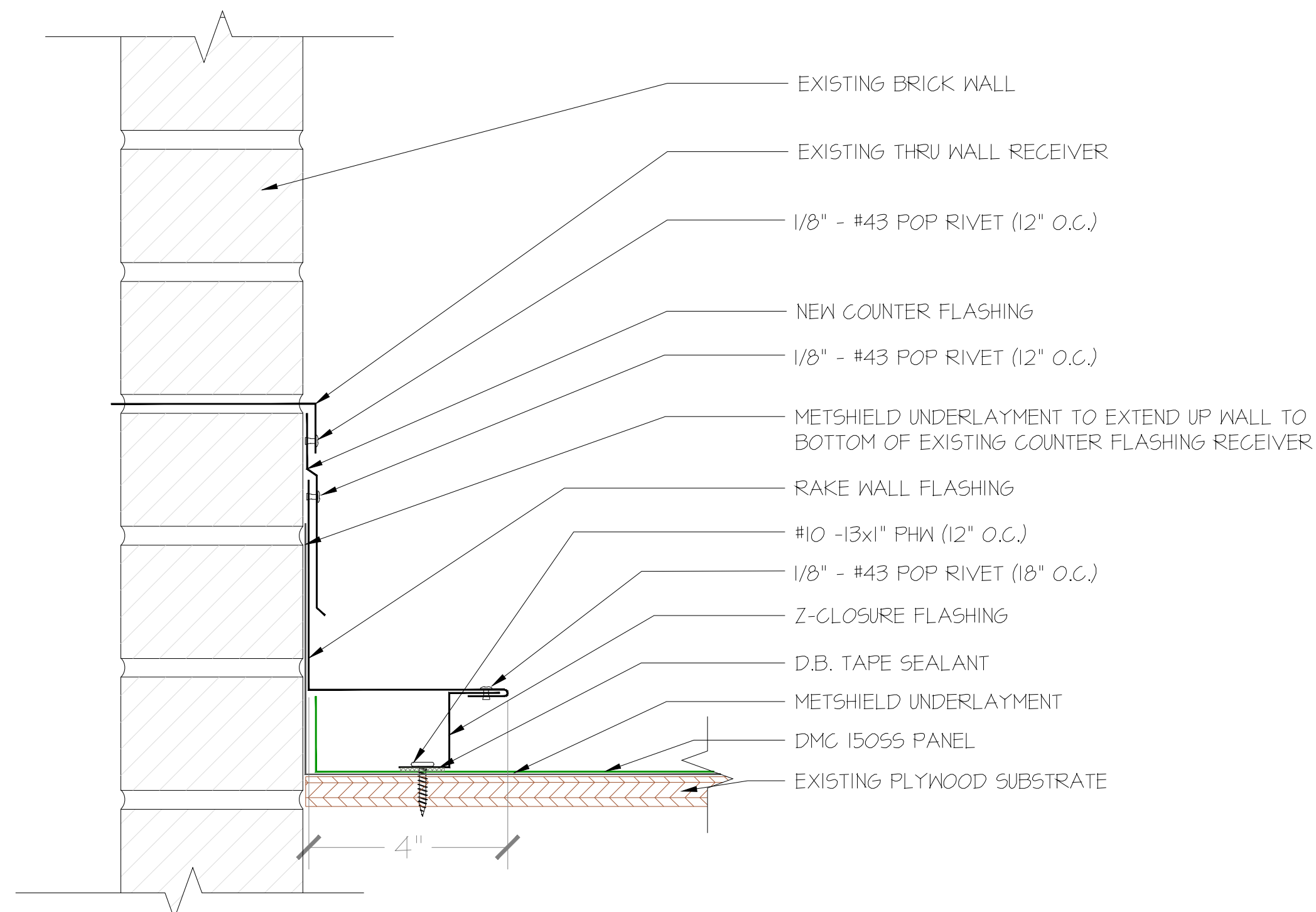
NOTES:
• LAPS IN VALLEY ARE 12" MIN. WITH DREXEL METALS APPROVED TUBE SEALANT IN ALL LAPS IN VALLEY AND TWO ROWS OF SEALANT BETWEEN VALLEY LAPS 4" UP FROM LAP
• LARGER ROOF AREAS MAY REQUIRE A LARGER GAP BETWEEN PANEL AND DIVERTER TO ALLOW FOR STORM WATER RUN OFF.



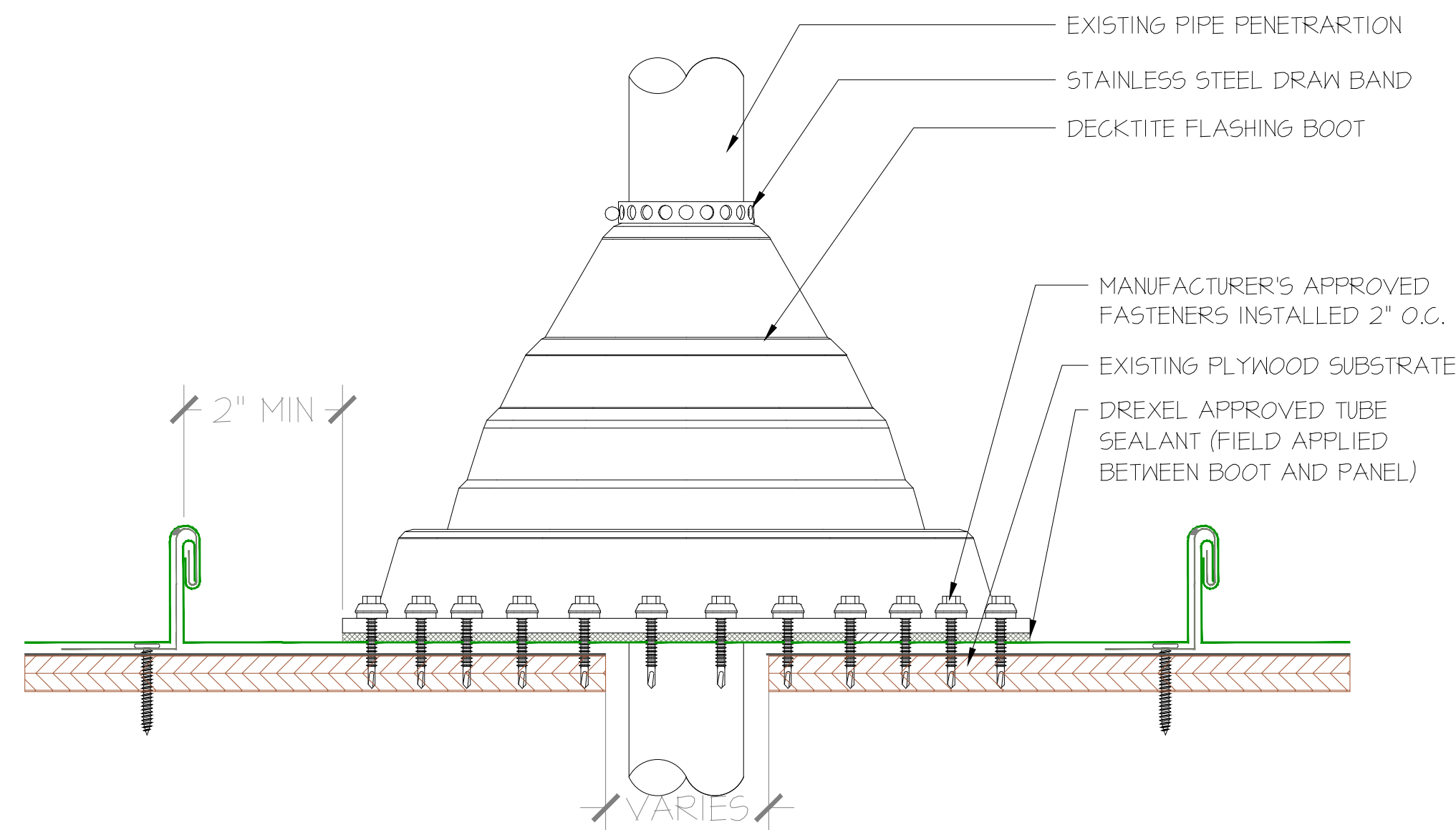
04 VALLEY
RA200 SCALE: N.T.S.



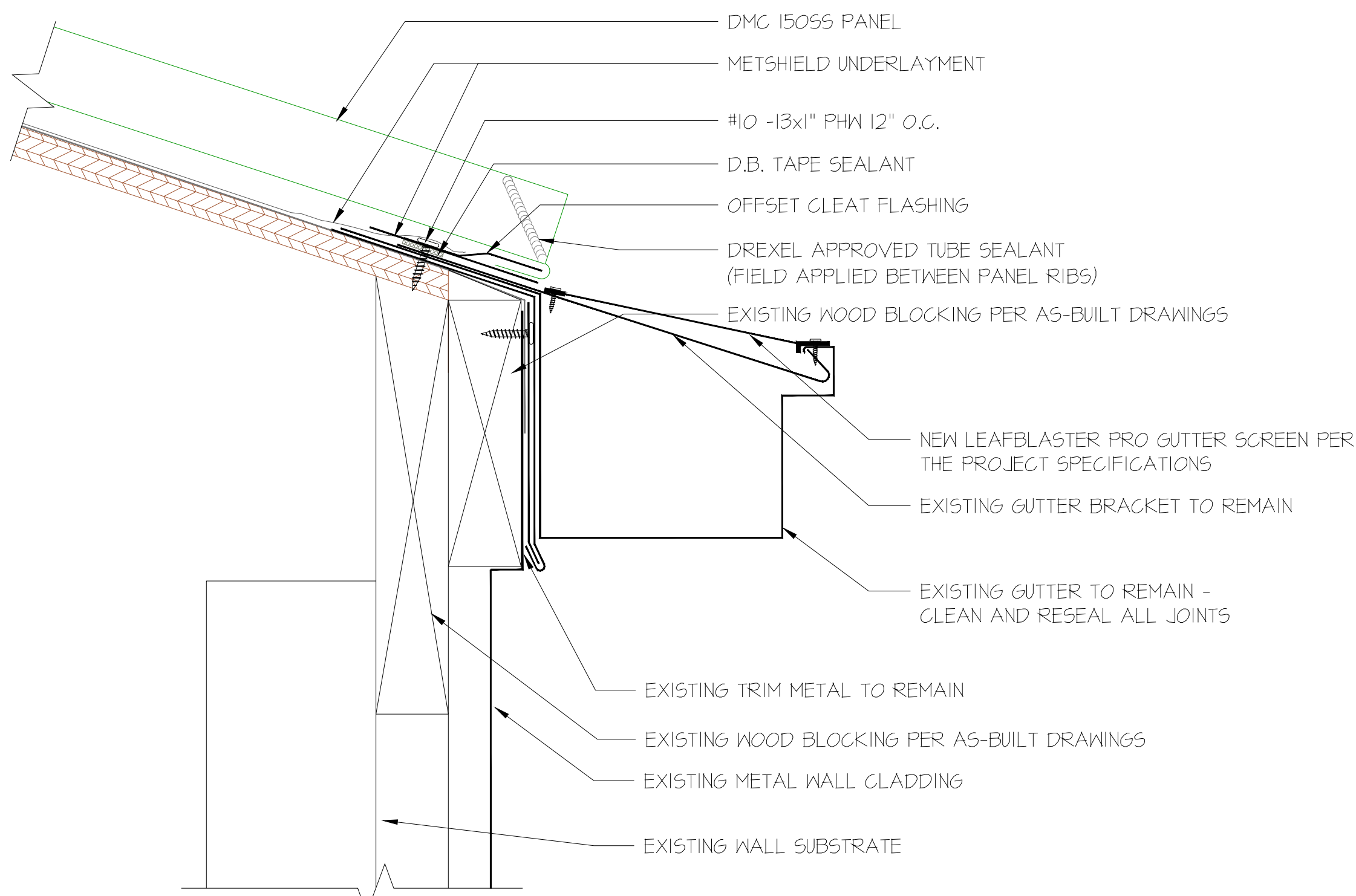
07 RAKE EDGE
RA200 SCALE: N.T.S.



02 WALL FLASHING
RA200 SCALE: N.T.S.

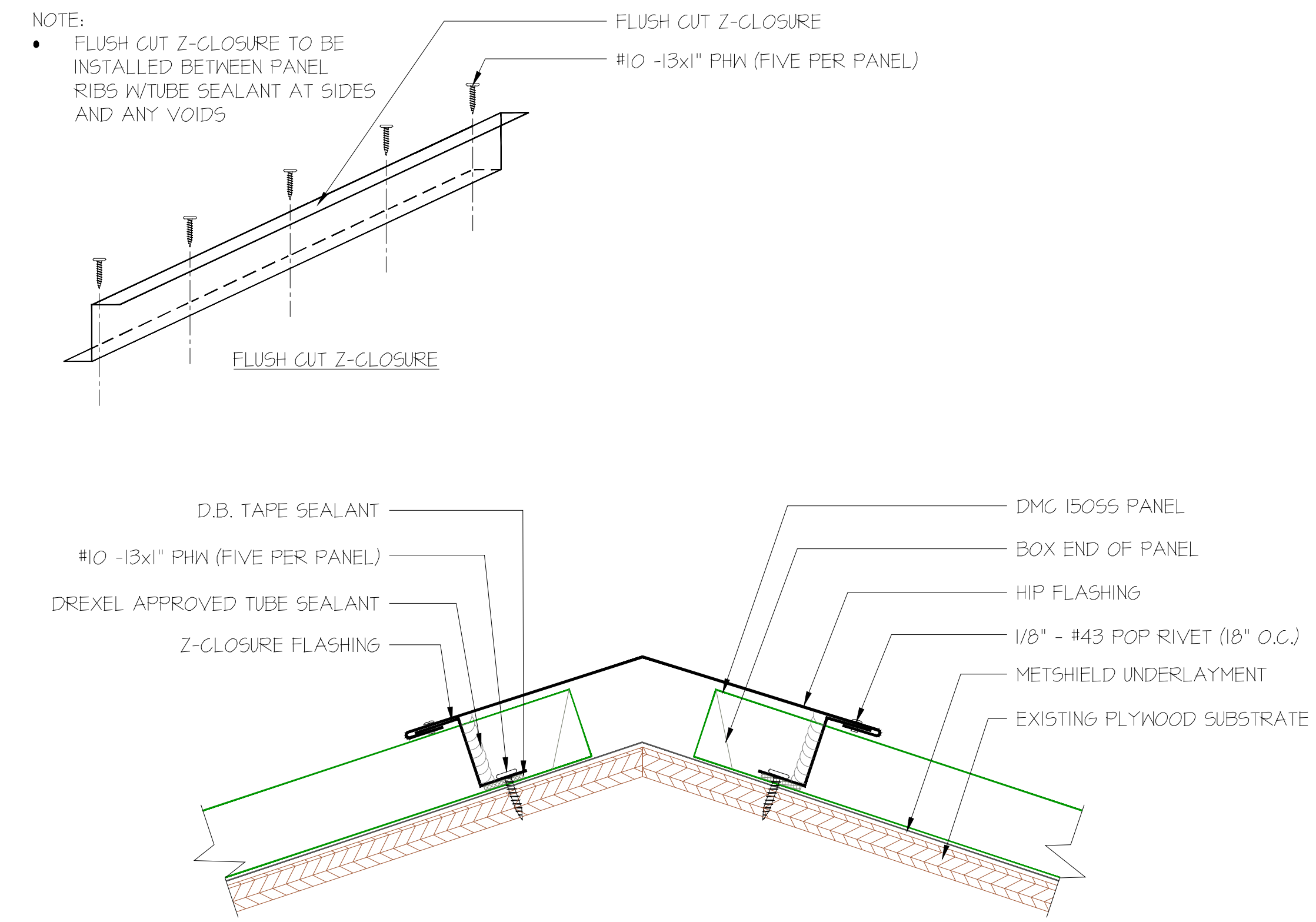


05 PIPE PENETRATION
RA200 SCALE: N.T.S.

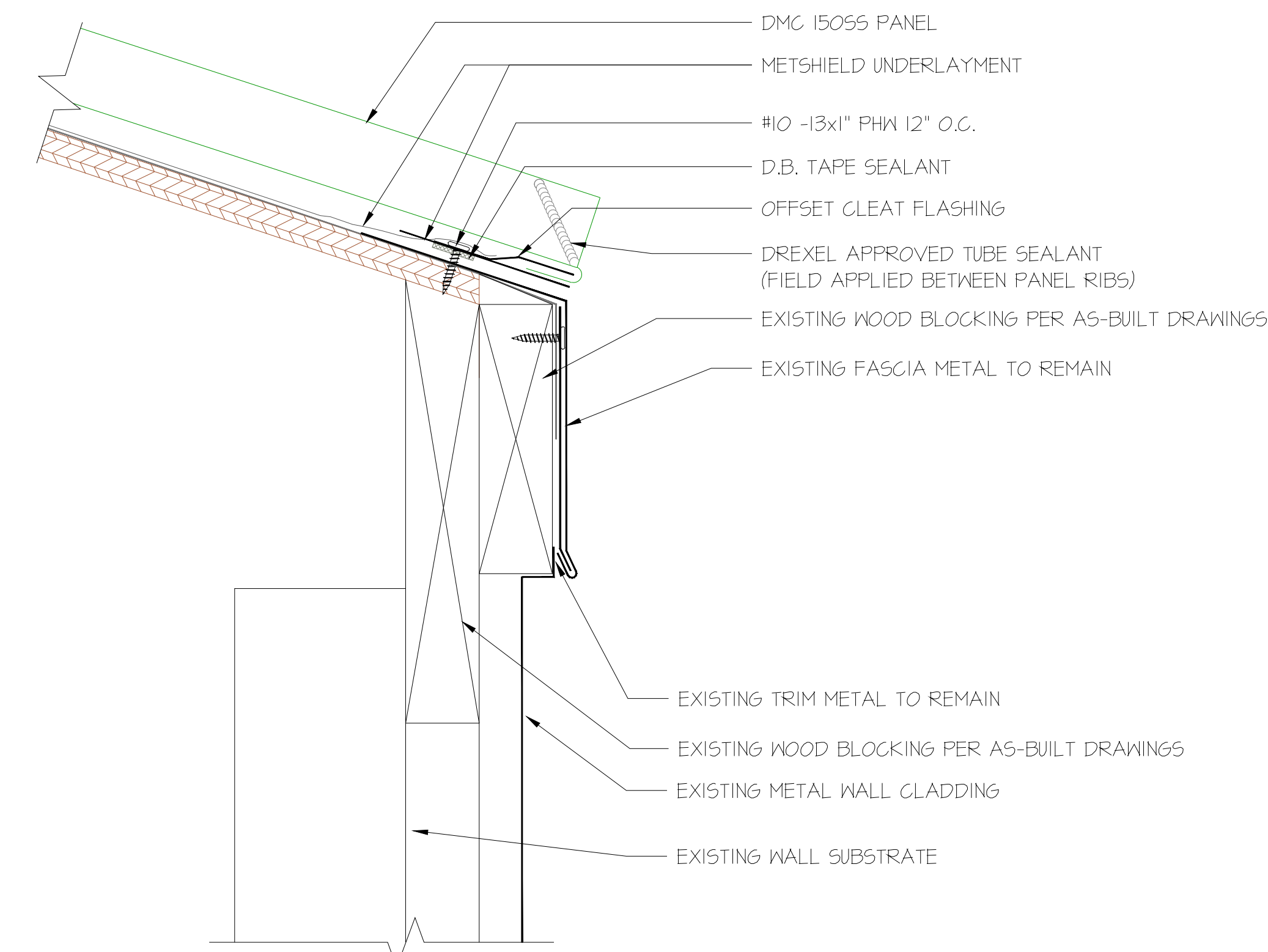


08 EAVE WITH GUTTER
RA200 SCALE: N.T.S.

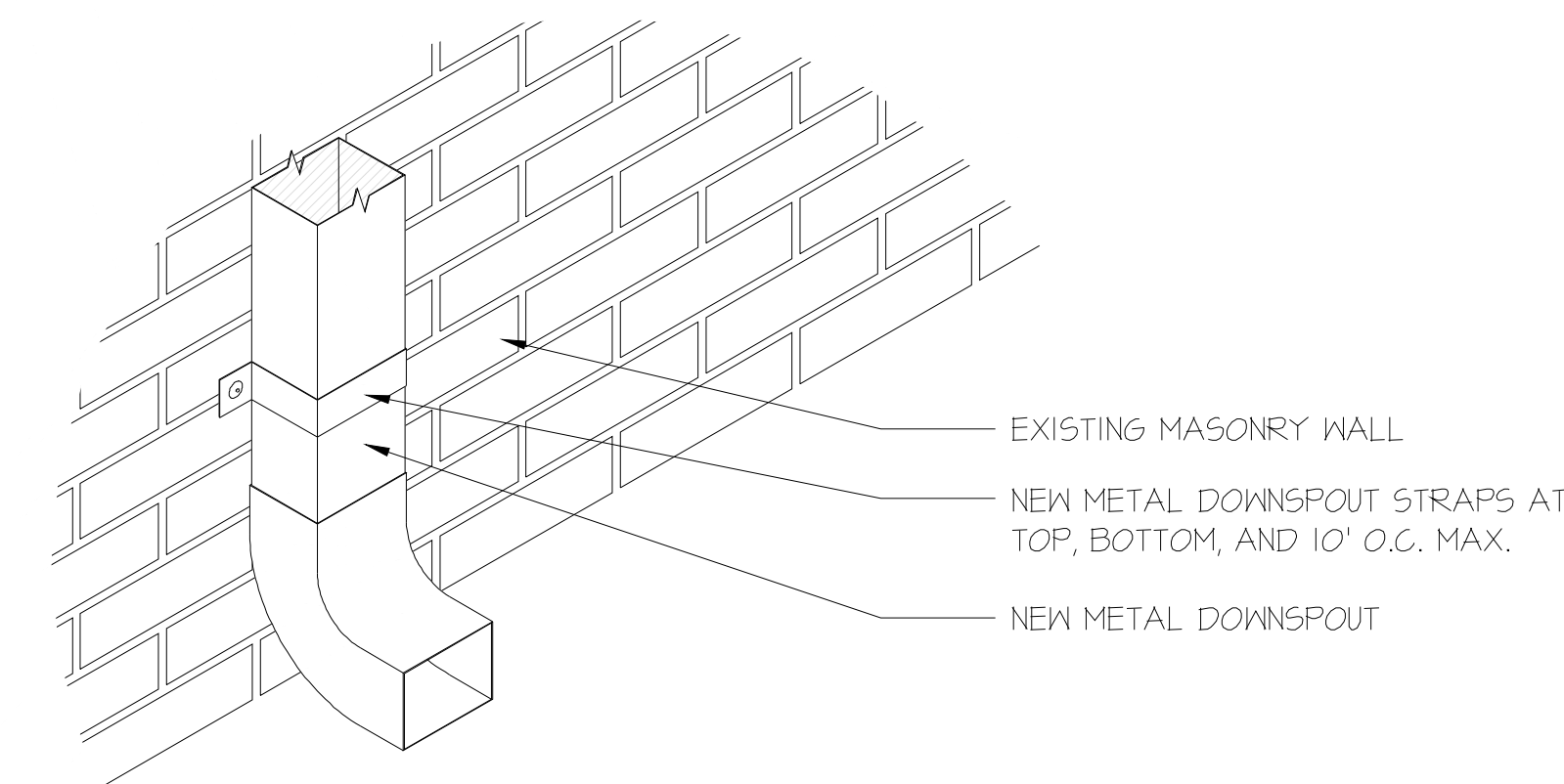
NOTE:
• FLUSH CUT Z-CLOSURE TO BE INSTALLED BETWEEN PANEL RIBS w/ TUBE SEALANT AT SIDES AND ANY VOIDS



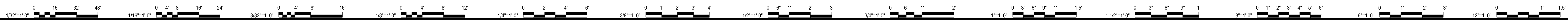
03 HIP
RA200 SCALE: N.T.S.



06 EAVE
RA200 SCALE: N.T.S.



09 DOWNSPOUT
RA200 SCALE: N.T.S.



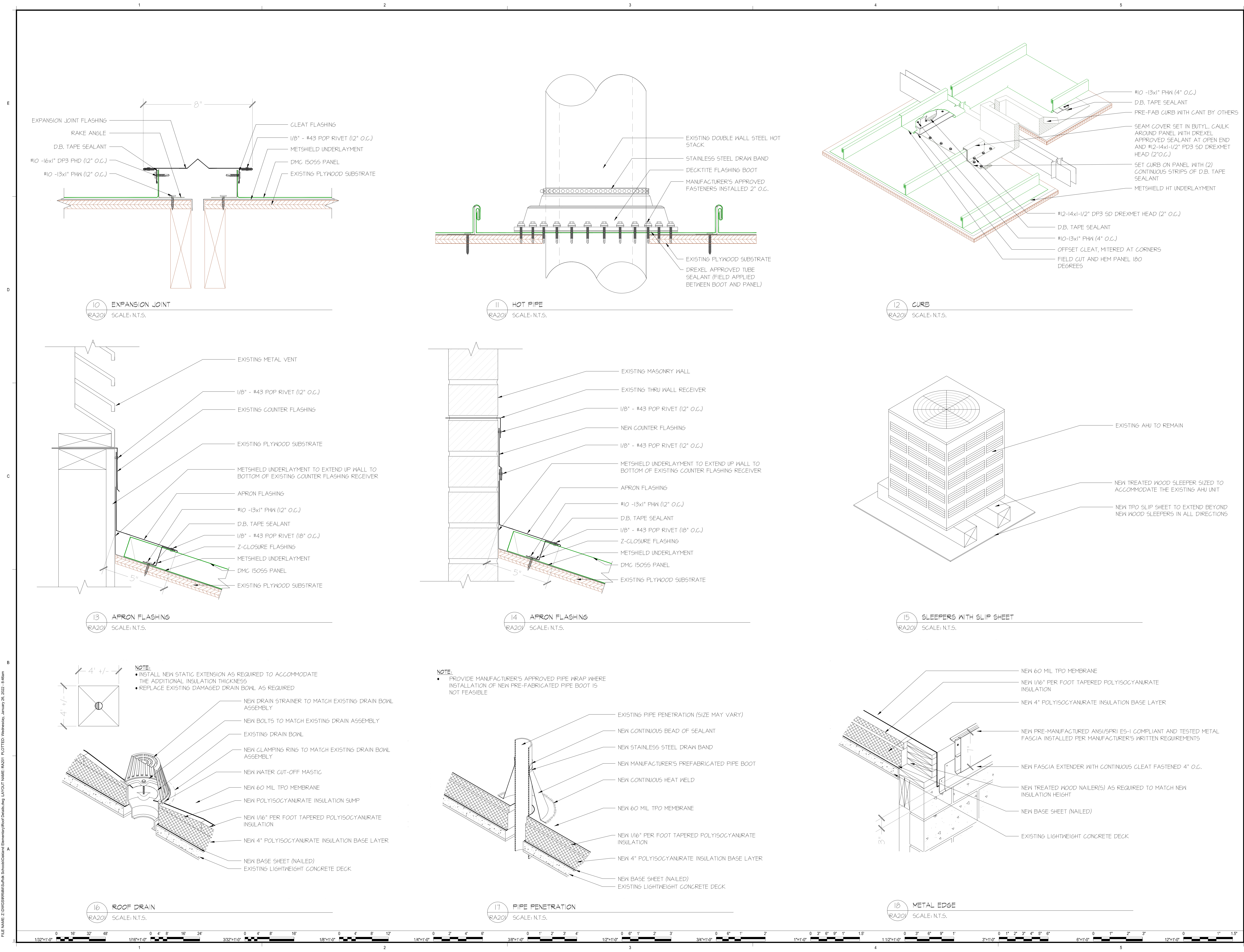
DESCRIPTION	
BY	
MARK DATE	
REVISIONS	
DATE	14 JANUARY 2022
PROJECT	SPS THREE SCHOOL RE-ROOFS
DESIGNED	RA200
DRAWN	RA200
CHECKED	RA200

RRMM
ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757) 622-2628

VIRGINIA DEPARTMENT OF EDUCATION

SPS THREE SCHOOL RE-ROOFS
SUFFOLK PUBLIC SCHOOLS
OAKLAND ELEMENTARY SCHOOL - ROOF DETAILS
5505 GODWIN BLVD.
SUFFOLK, VIRGINIA 23434

SHEET	
RA200	



DESCRIPTION	
BY	
MARK	DATE
REVISIONS	

DATE	PROJECT	DESIGNED	DRAWN	CHECKED
14 JANUARY 2022	RA201	JMM/DH	JMM/DH	JMM/DH

RRMM
ARCHITECTS, P.C.
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757) 622-2628

VIRGINIA DEPARTMENT OF EDUCATION	
PROJECT	SPS THREE SCHOOL RE-ROOFS
DRAWING	SUFFOLK PUBLIC SCHOOLS
	OAKLAND ELEMENTARY SCHOOL - ROOF DETAILS
	5505 GODWIN BLVD. SUFFOLK, VIRGINIA 23434

SHEET
RA201

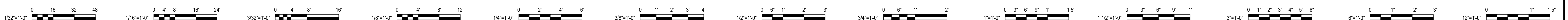
- CONTRACTOR TO INSTALL EW TREATED WOOD NAILERS AS REQUIRED TO PROVIDE MINIMUM 8" FLASHING HEIGHT
- WHERE CURB CAPS CAN BE REMOVED AND REINSTALLED - MEMBRANE FLASHING SHALL EXTEND UP AND OVER CURB BE THEN NAILED OFF AT 8" O.C. MAX. - NEW SKIRT METAL CAN BE ELIMINATED AT THESE LOCATIONS
- CURBS TO BE DETAILED PER DETAILS 19A-19C AS EXISTING CONDITIONS ARE REVEALED



- CONTRACTOR TO INSTALL NEW TREATED WOOD NAILERS AS REQUIRED TO PROVIDE MINIMUM 8" FLASHING HEIGHT
- WHERE CURB CAPS CAN BE REMOVED AND REINSTALLED - MEMBRANE FLASHING SHALL EXTEND UP AND OVER CURB BE THEN NAILED OFF AT 8" O.C. MAX. - NEW SKIRT METAL CAN BE ELIMINATED AT THESE LOCATIONS
- CURBS TO BE DETAILED PER DETAILS 19A-19C AS EXISTING CONDITIONS ARE REVEALED



- CONTRACTOR TO INSTALL NEW TREATED WOOD NAILERS AS REQUIRED TO PROVIDE MINIMUM 8" FLASHING HEIGHT
- WHERE CURB CAPS CAN BE REMOVED AND REINSTALLED - MEMBRANE FLASHING SHALL EXTEND UP AND OVER CURB BE THEN NAILED OFF AT 8' O.C. MAX. - NEW SKIRT METAL CAN BE ELIMINATED AT THESE LOCATIONS
- CURBS TO BE DETAILED PER DETAILS 19A-19C AS EXISTING CONDITIONS ARE REVEALED



REVISIONS

DATE	21222-01	J.M./DNH	B.M.J.	J.M./DNH
PROJECT				
DESIGNED				
DRAWN				
CHECKED				

RRMM
ARCHITECTS, PC
317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757)622-2828

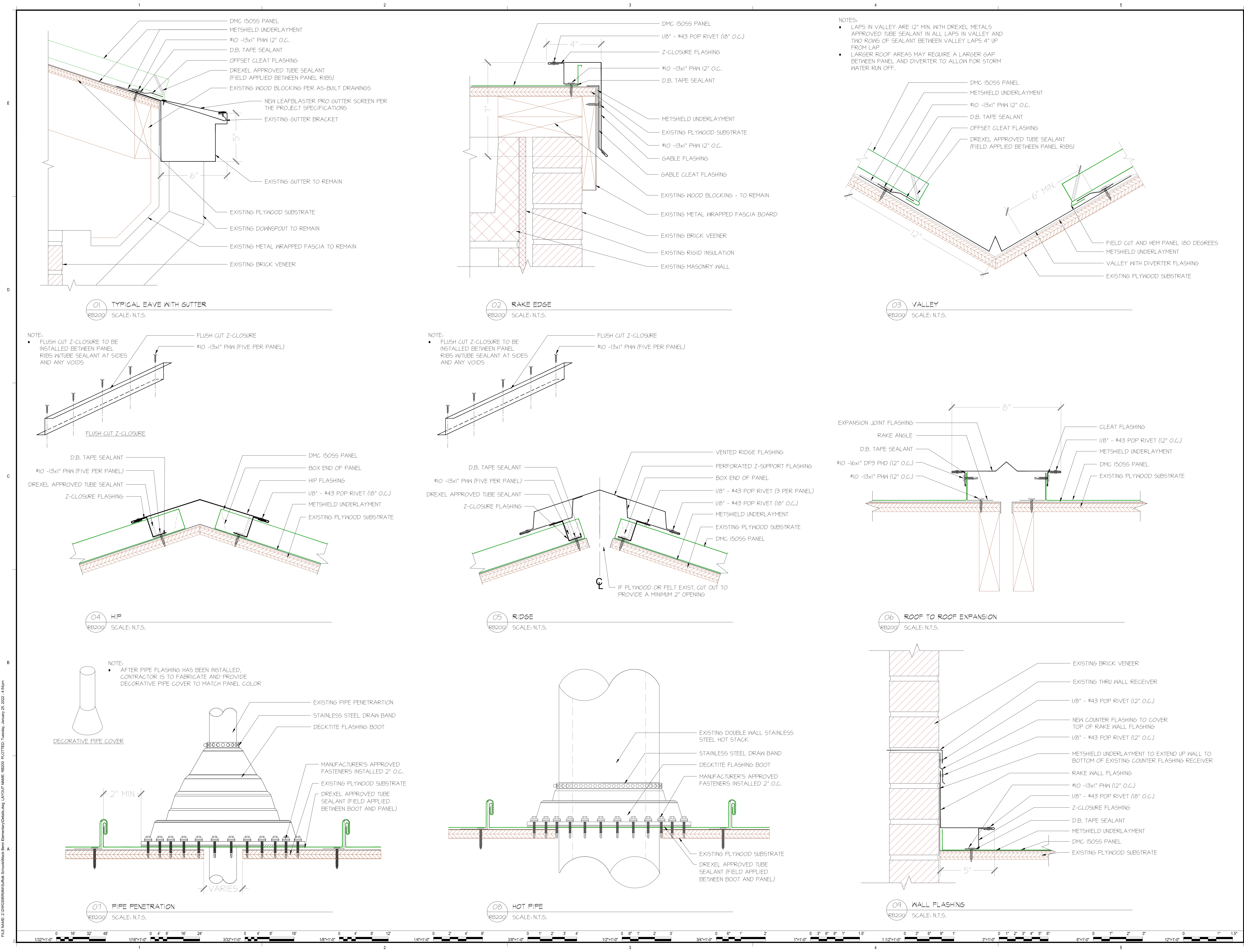
S
VIRGINIA DEPARTMENT OF EDUCATION,

SPS THREE SCHOOL RE-ROOFS
SUFFOLK PUBLIC SCHOOLS
OAKLAND ELEMENTARY SCHOOL - ROOFS

SHEET

RA202

FILE NAME: Z:\DWG\SI\RR\MM\Suffolk Schools\Oakland Elementary\Roof Details.dwg LAYOUT NAME: RA202 PLOTTED: Wednesday, January 26, 2022 - 8:46am



DESCRIPTION	
BY	
MARK	
DATE	
REVISIONS	

14 JANUARY 2022	11/22/2021	WOS	REC	WOS
DATE	PROJECT	DESIGNED	DRAWN	CHECKED

1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757) 622-2628

--

SPS THREE SCHOOLS RE-ROOFS
SUFFOLK PUBLIC SCHOOLS
MACK BENN ELEMENTARY SCHOOL - ROOF DETAILS

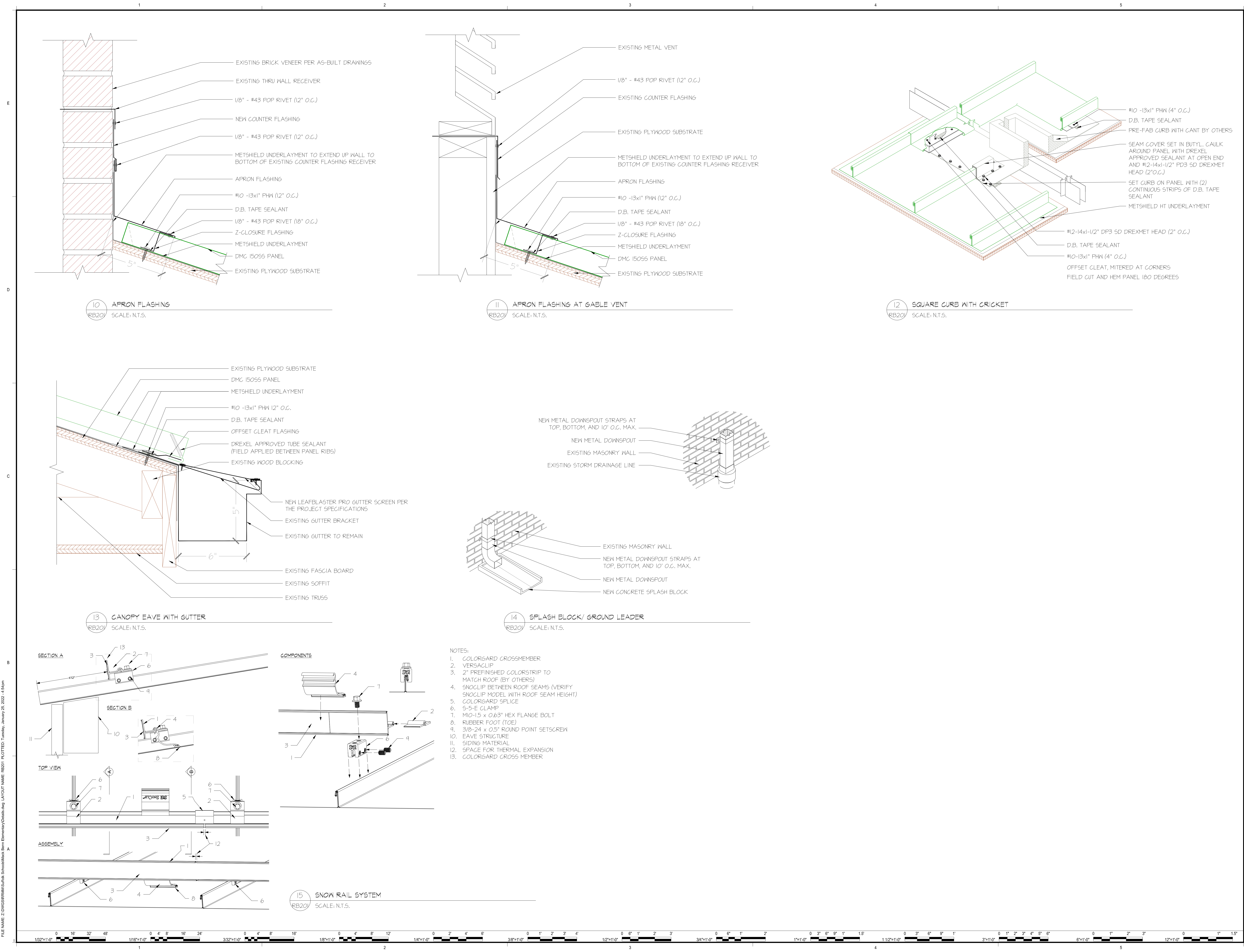
VIRGINIA DEPARTMENT OF EDUCATION

PROJECT
DRAWING

1253 NANSIMOND PARKWAY
SUFFOLK, VIRGINIA 23404

SHEET
RB200

FILE NAME: Z:\DVG\SPS\RRM\SPS\Re-Roofs\Benn Elementary\Details.dwg LAYOUT NAME: RB200 PLOTTED: Tuesday, January 25, 2022 4:54pm



DESCRIPTION
BY
MARK DATE
REVISIONS

DATE	PROJECT	DESIGNED	DRAWN	CHECKED
14 JANUARY 2022				

DATE	PROJECT	DESIGNED	DRAWN	CHECKED
14 JANUARY 2022				



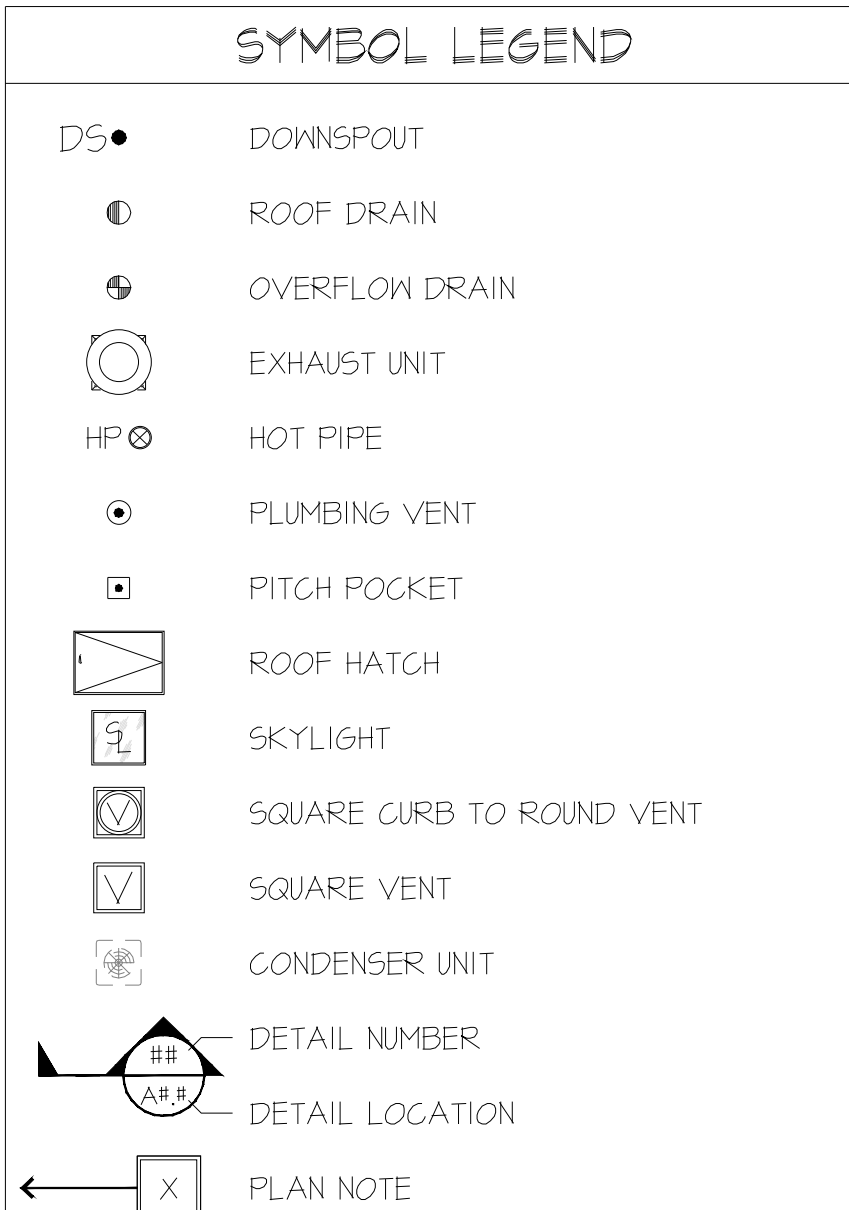
RRMM
ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757) 622-2628

DATE	PROJECT	DESIGNED	DRAWN	CHECKED
14 JANUARY 2022				

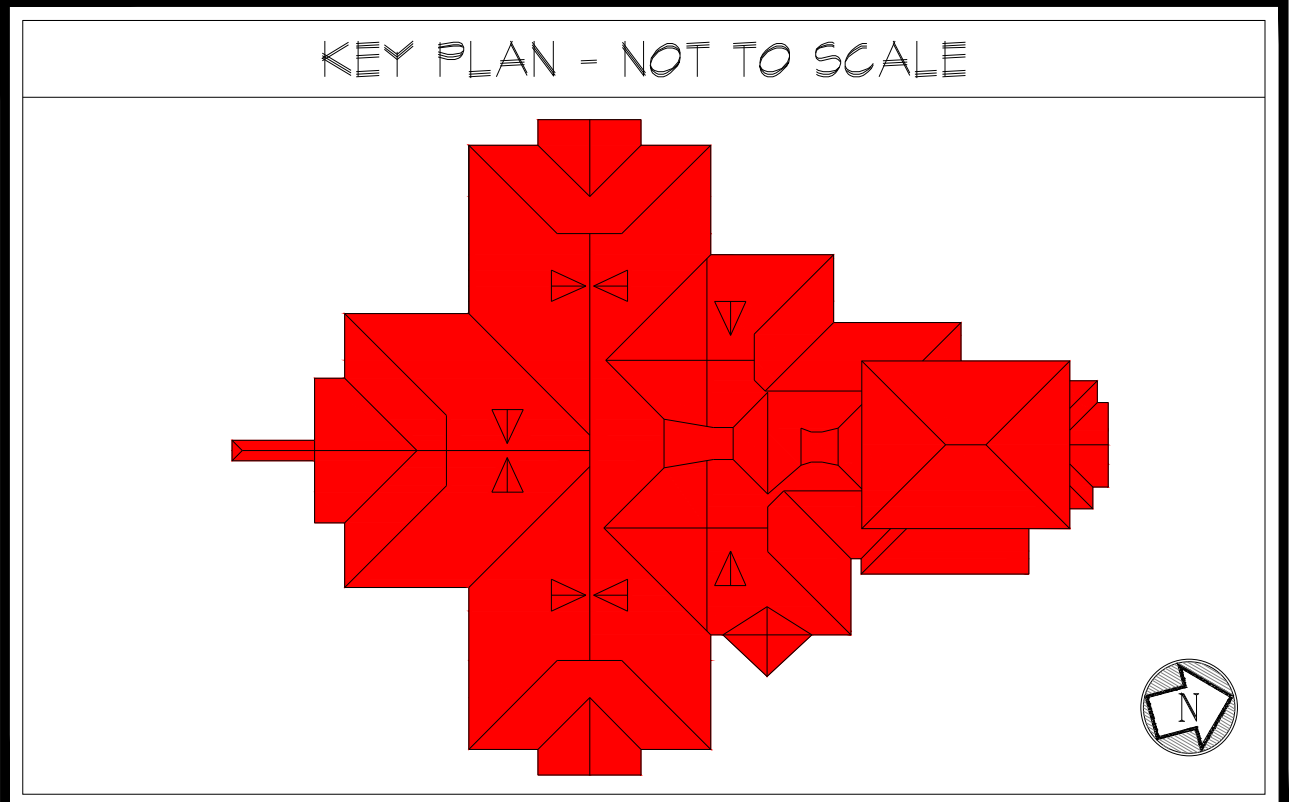
SPS THREE SCHOOLS RE-ROOFS
SUFFOLK PUBLIC SCHOOLS
MACK BENN ELEMENTARY SCHOOL - ROOF DETAILS

VIRGINIA DEPARTMENT OF EDUCATION ---
1253 NANSIMOND PKWY
SUFFOLK, VIRGINIA 23404

SHEET
RB201



NOTE: PENETRATIONS ARE APPROXIMATE IN SIZE AND LOCATION TO BE USED AS REFERENCE POINTS ONLY



RRMM
ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757)622-2828

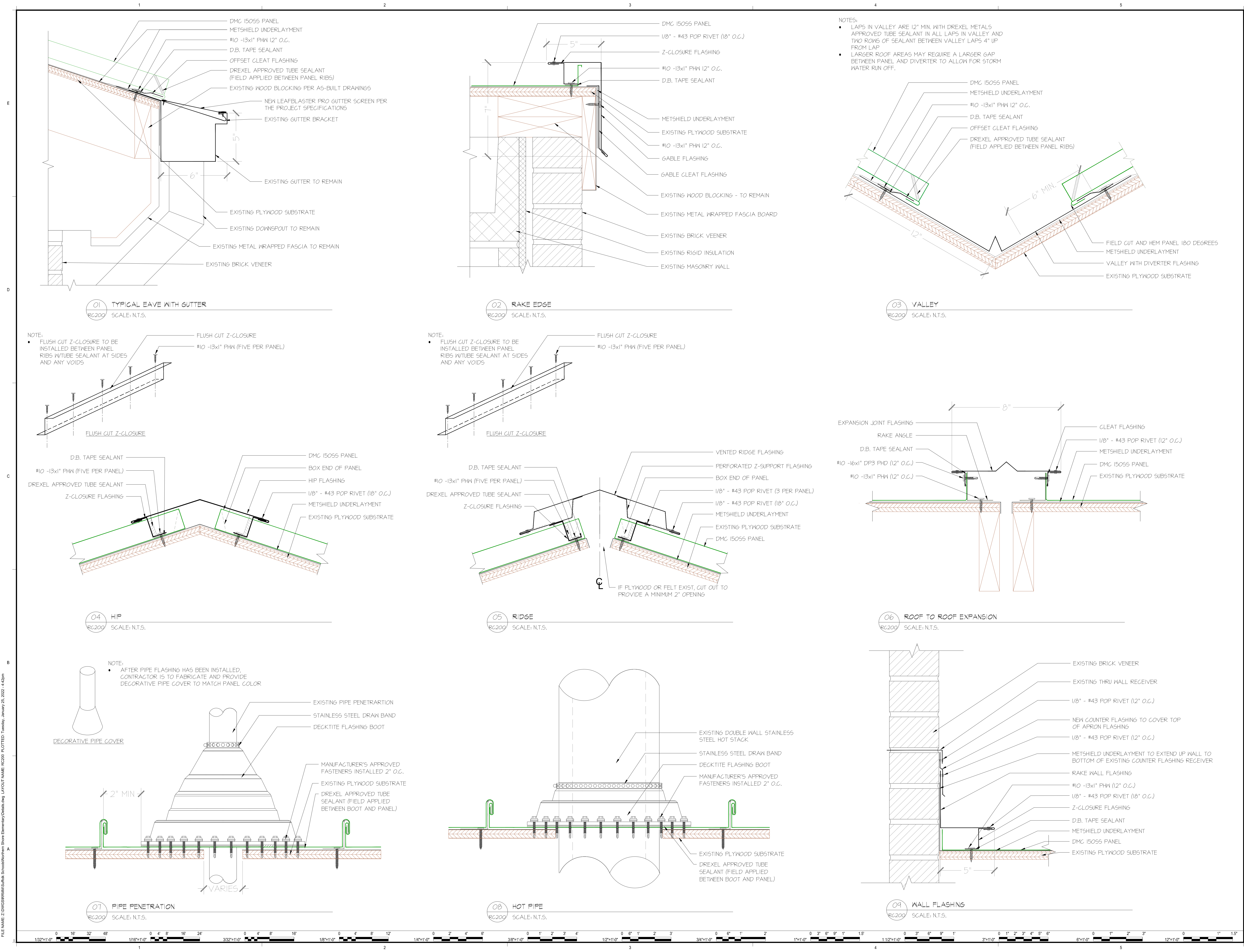
VIRGINIA DEPARTMENT OF EDUCATION, ----
 OF PLAN

**THE SCHOOLS RE-ROOFS
PUBLIC SCHOOLS
IN SHORE ELEMENTARY**
CH RD.
23435

SHEET

RC100

11



DESCRIPTION
BY
MARK
DATE
REVISIONS

14 JANUARY 2022	2122-03	WOS	KAS	WOS
DATE	PROJECT	DESIGNED	DRAWN	CHECKED

RRMM

ARCHITECTS, PC

1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757) 622-2628

--

SPS THREE SCHOOLS RE-ROOFS

SUFFOLK PUBLIC SCHOOLS

NORTHERN SHORE ELEMENTARY SCHOOL - ROOF DETAILS

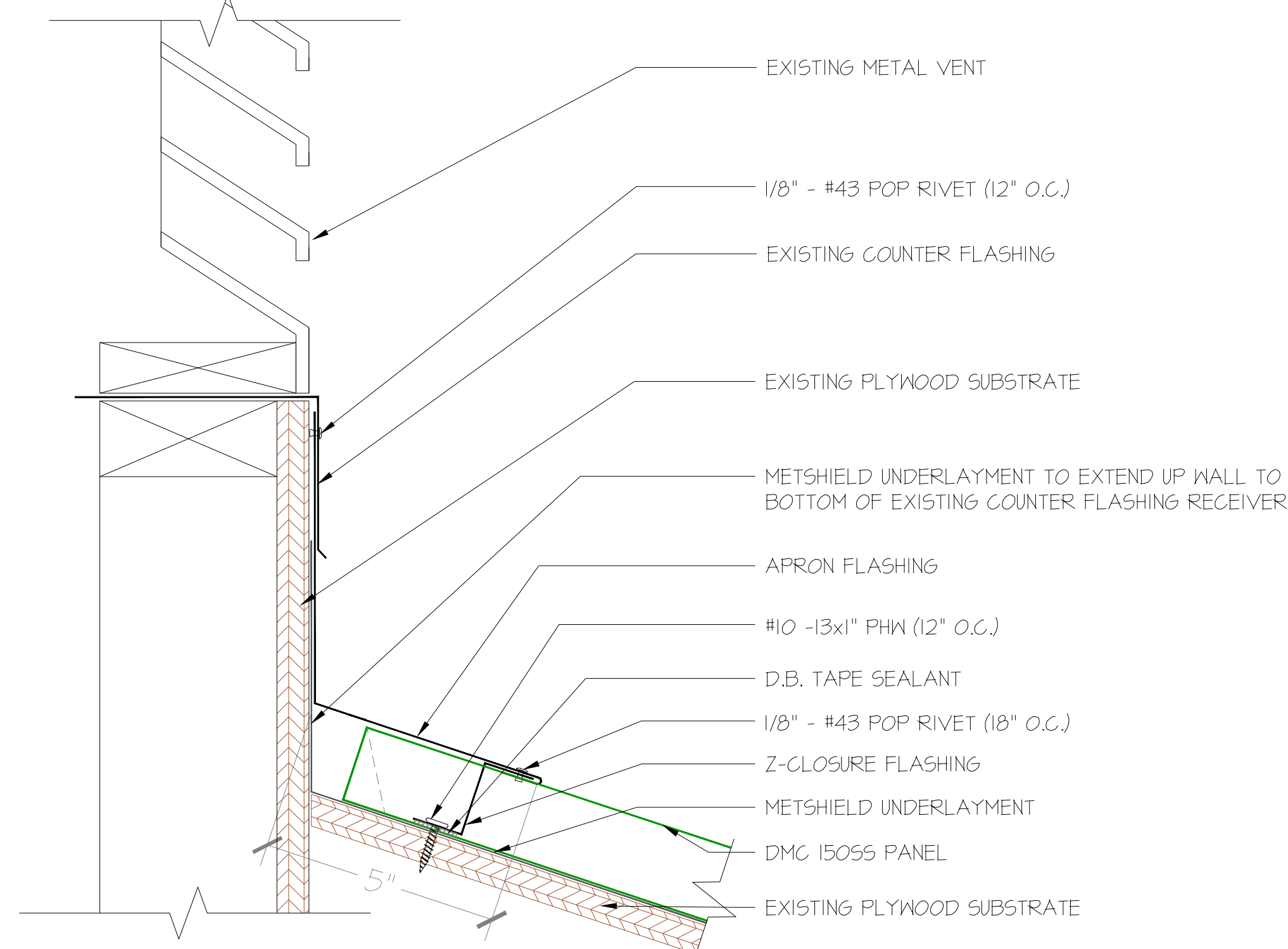
6701 RESPASS BEACH RD.
SUFFOLK, VIRGINIA 23435

SHEET
RC200

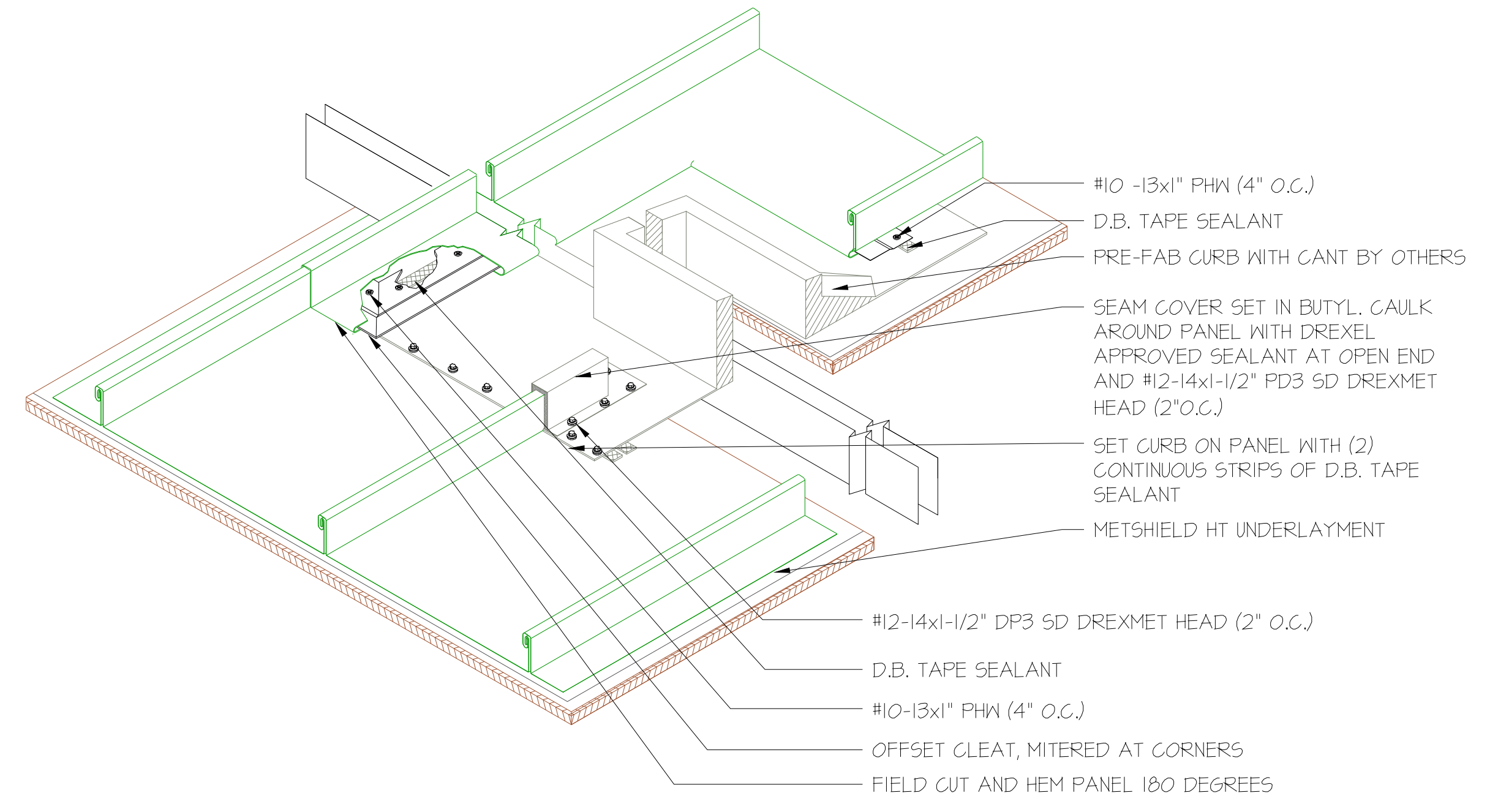
FILE NAME: Z:\DWG\RRMM\Arch\ShoreElementary\Detail.dwg LAYOUT NAME: RC201 PLOTTED: Tuesday, January 24, 2024 - 4:42pm



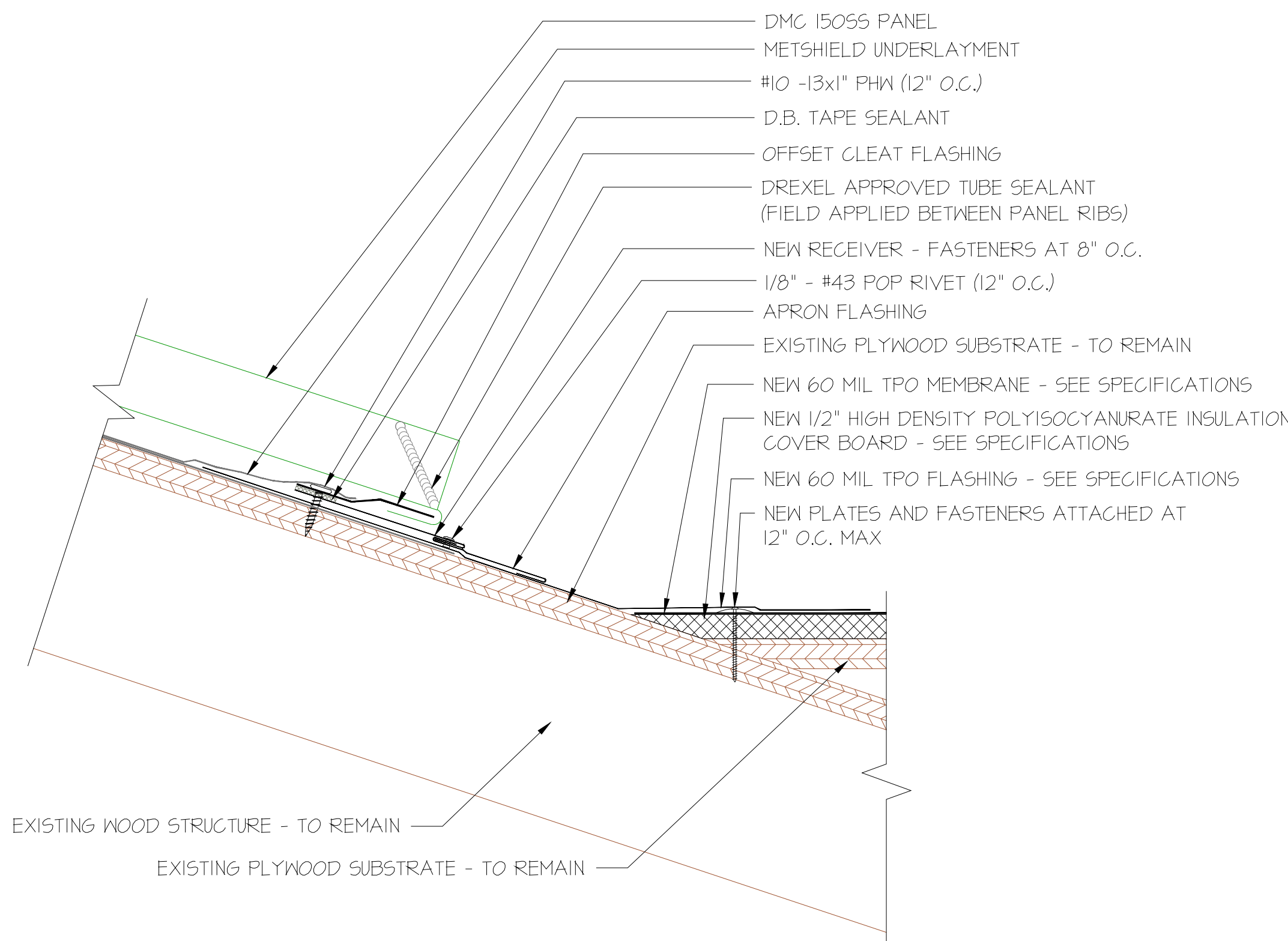
10 APRON FLASHING AT BRICK VENEER
RC201 SCALE: N.T.S.



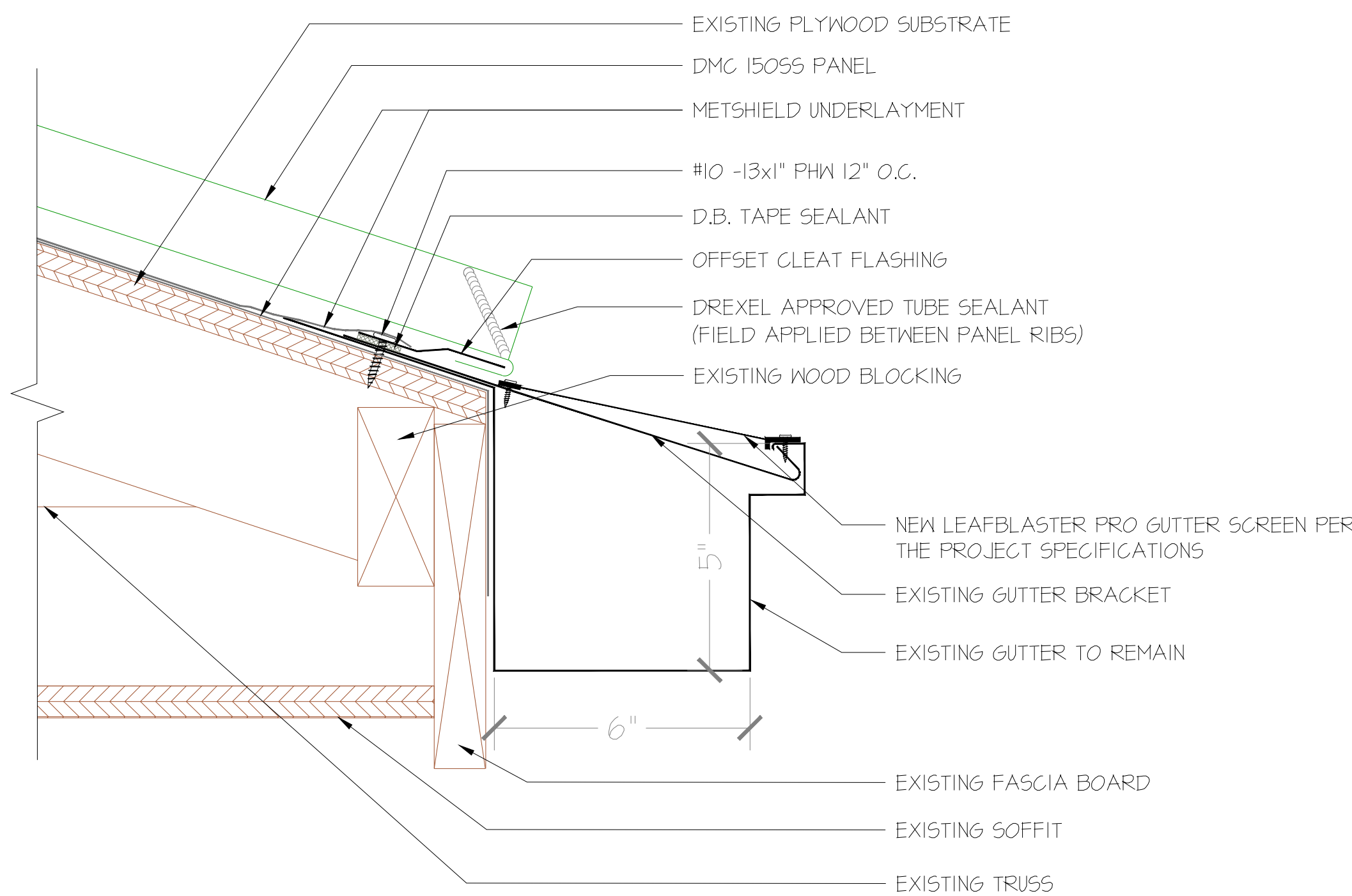
11 APRON FLASHING AT GABLE VENT
RC201 SCALE: N.T.S.



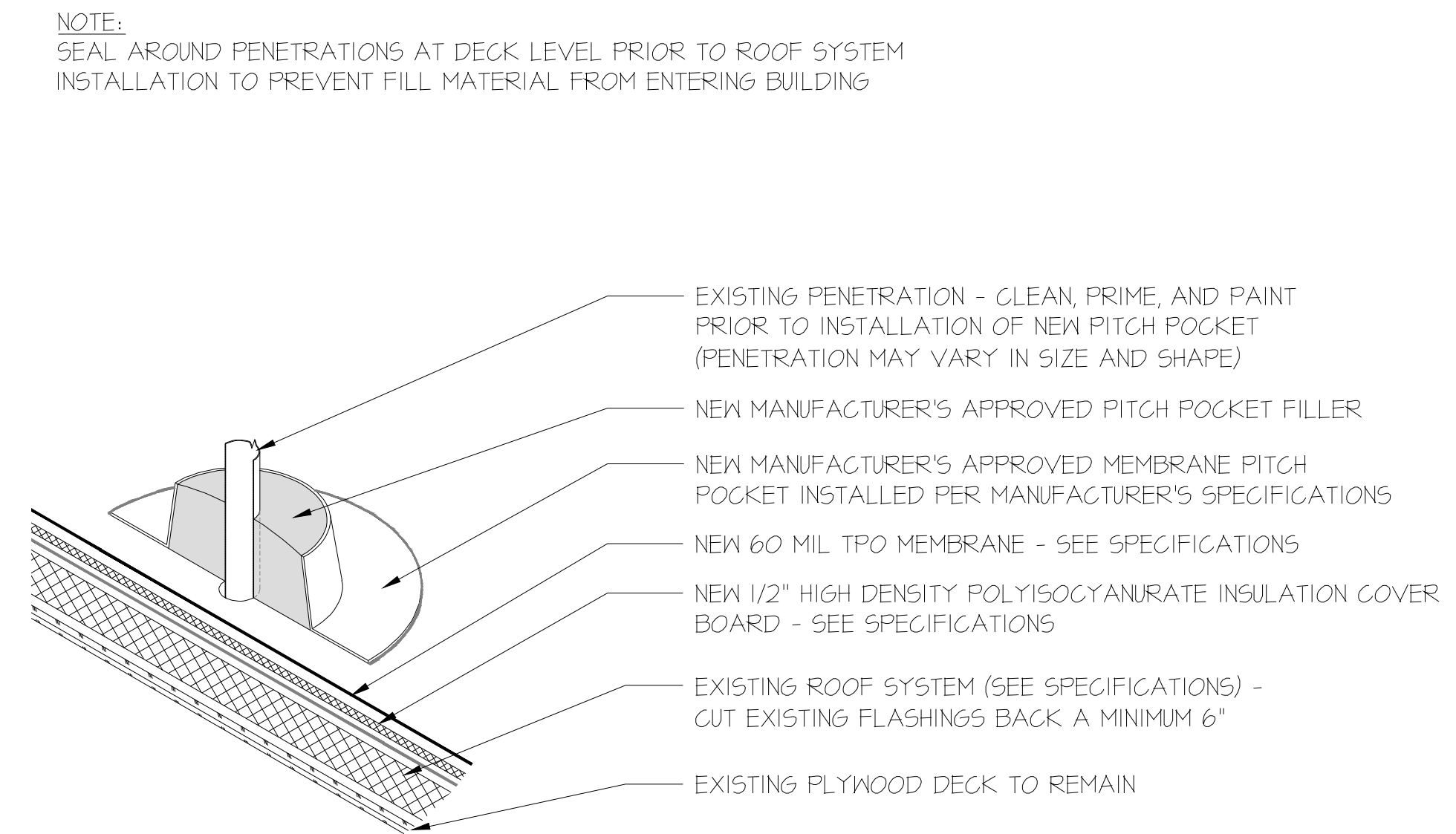
12 SQUARE CURB WITH CRICKET
RC201 SCALE: N.T.S.



13 STEEP TO LOW SLOPE TRANSITION
RC201 SCALE: N.T.S.

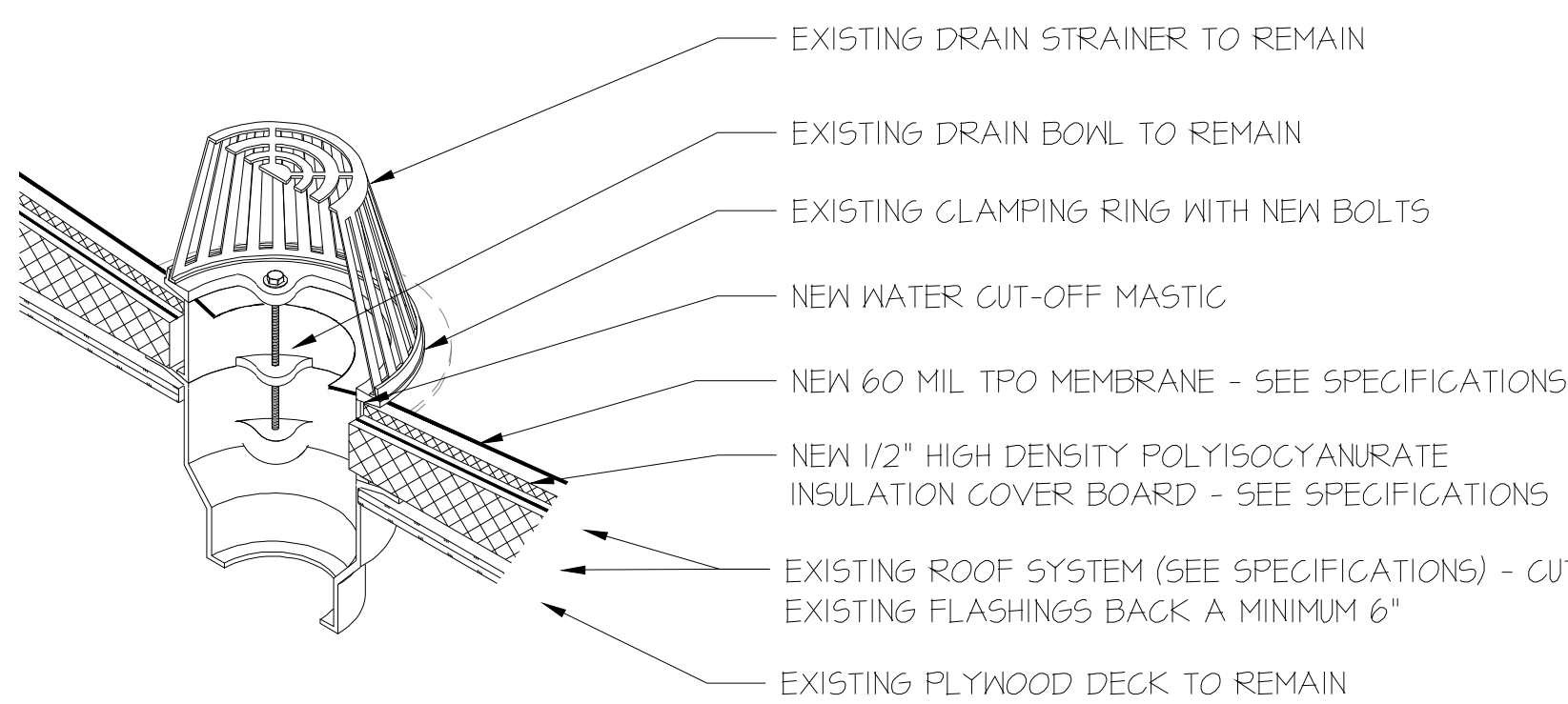


14 CANOPY EAVE WITH GUTTER
RC201 SCALE: N.T.S.

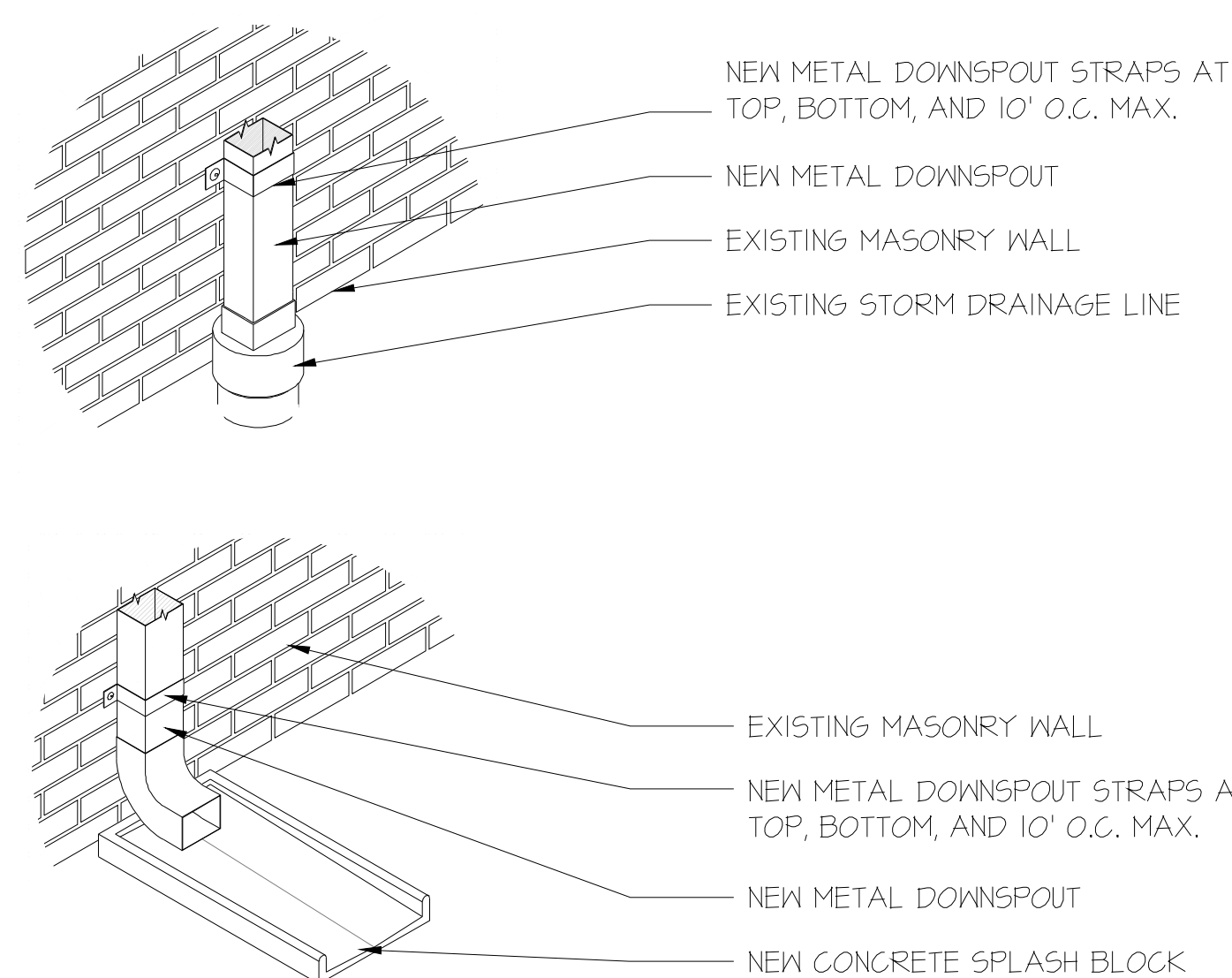


15 PITCH POCKET
RC201 SCALE: N.T.S.

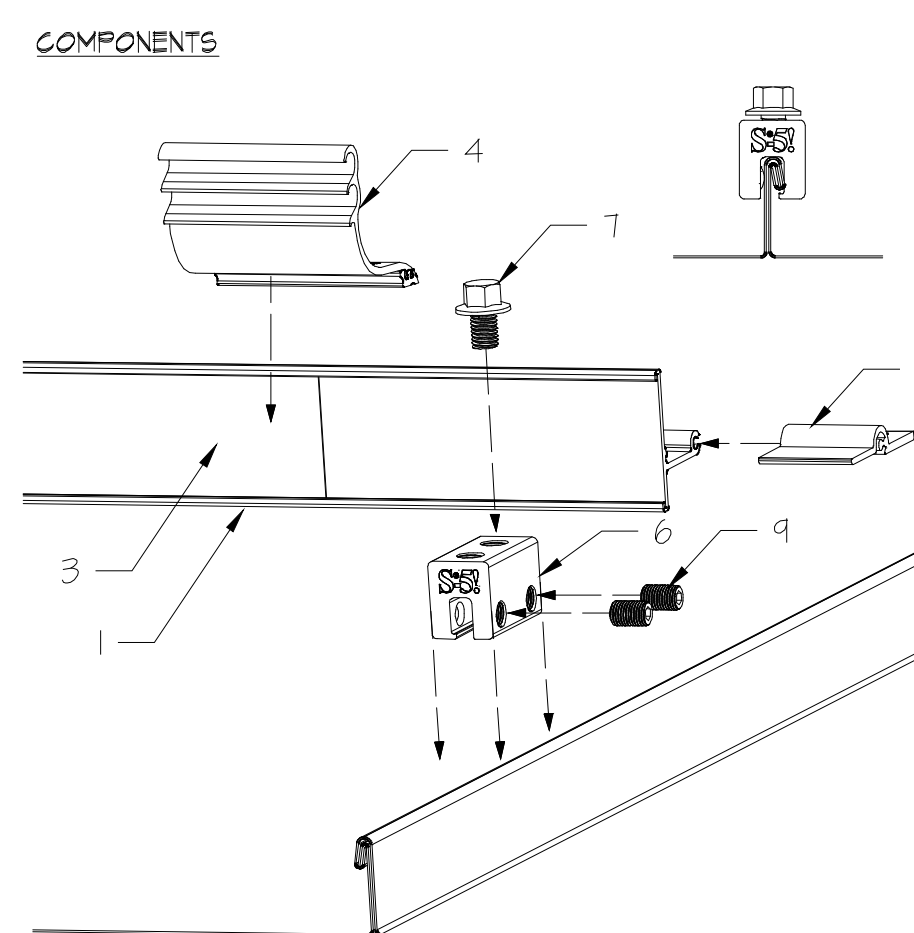
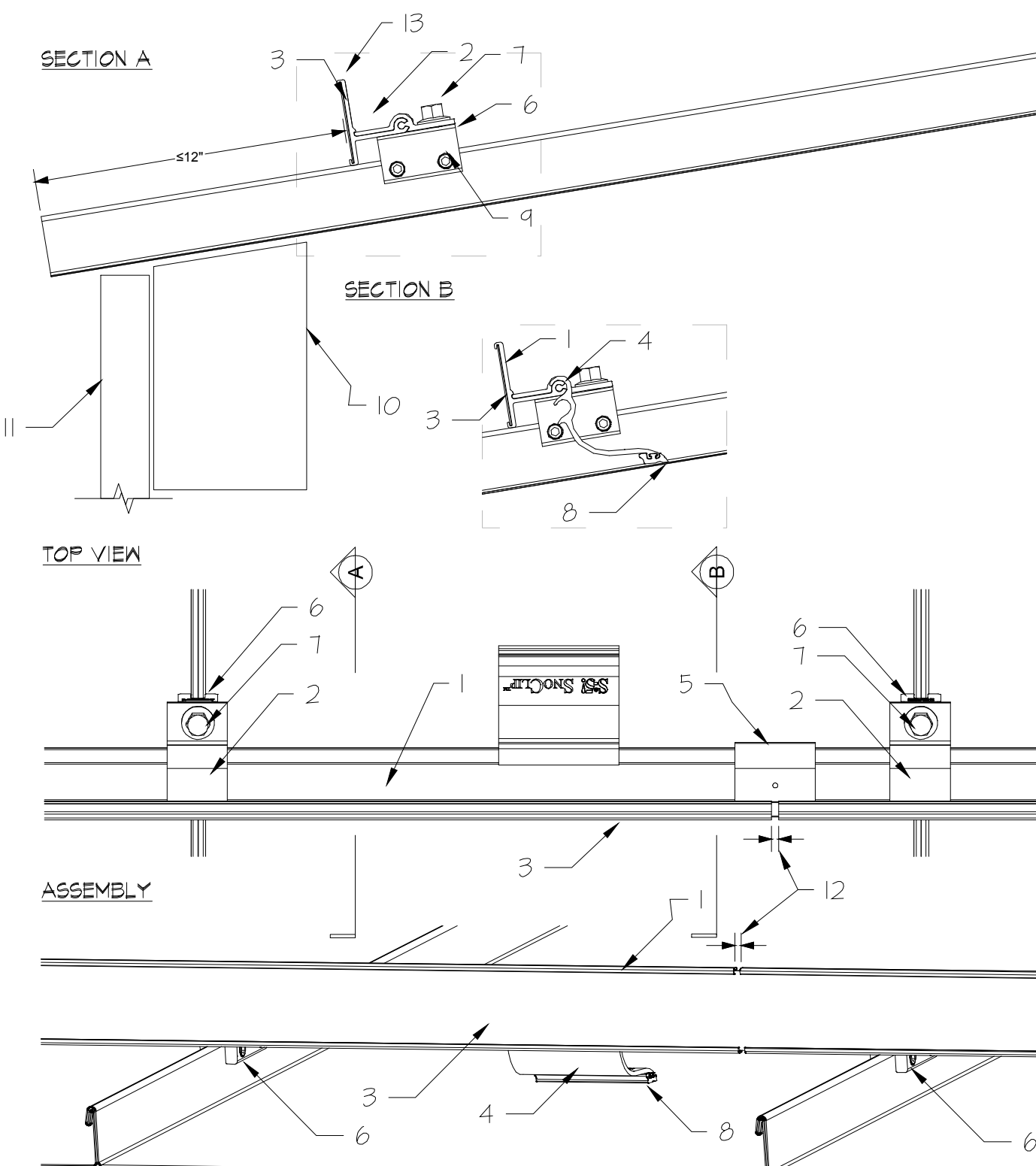
NOTE:
• REPLACE EXISTING DAMAGED DRAIN BOWL AS REQUIRED
• DO NOT PROVIDE SUMP AT OVERFLOW DRAIN LOCATIONS



16 ROOF DRAIN
RC201 SCALE: N.T.S.

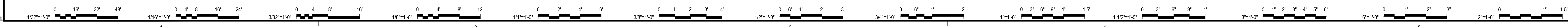


17 SPLASH BLOCK/ GROUND LEADER
RC201 SCALE: N.T.S.



NOTES:
1. COLORGARD CROSSMEMBER
2. VERSACLIP
3. 2" PREFINISHED COLORSTRIP TO MATCH ROOF (BY OTHERS)
4. SNOCHLIP BETWEEN ROOF SEAMS (VERIFY SNOCHLIP MODEL WITH ROOF SEAM HEIGHT)
5. COLORGARD SPLICE
6. S-5-E CLAMP
7. M10-15 x 0.63" HEX FLANGE BOLT
8. RUBBER FOOT (10E)
9. 3/8-24 x 0.5" ROUND POINT SETSCREW
10. EAVE STRUCTURE
11. SIDING MATERIAL
12. SPACE FOR THERMAL EXPANSION
13. COLORGARD CROSSMEMBER

18 SNOW RAIL SYSTEM
RC201 SCALE: N.T.S.



DESCRIPTION	
BY	
MARK DATE	
REVISIONS	
DATE	14 JANUARY 2022
PROJECT	SPS THREE SCHOOLS RE-ROOFS
DESIGNED	WOS
DRAWN	WOS
CHECKED	WOS

RRMM
ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, Virginia 23320
(757) 622-2628

VIRGINIA DEPARTMENT OF EDUCATION

SPS THREE SCHOOLS RE-ROOFS
SUFFOLK PUBLIC SCHOOLS
NORTHERN SHORE ELEMENTARY SCHOOL - ROOF DETAILS

PROJECT
DRAWING
SHEET

RC201