



3911 W Newberry Road
Gainesville, Florida 32607

p: 352.363.6070
f: 352.363.6071

scorpioco.com

Submittal

JOB NAME: Lake County Fire Station Wind Mitigation **DATE:** 12/22/2025

OWNER/ARCHITECT JOB#: 25-923 **SCORPIO JOB #:** 25061

SPEC SECTION: Thermoplastic Membrane Roofing **SPEC NUMBER:** 07 54 00 **REV:** 0

SUBCONTRACTOR/VENDOR: Collis Roofing

SUPPLIER: See Submittal

CONTRACTOR COMMENTS:	CONTRACTOR'S STAMP:				
TPO Roof details product data sheets.	<div style="border: 2px solid green; padding: 10px;"> <p>SHOP DRAWINGS / SUBMITTAL REVIEW</p> <p><small>SUBMITTAL WAS REVIEWED FOR DESIGN AND GENERAL CONFORMANCE TO CONTRACT DOCUMENTS ONLY. THE SUBMITTING CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT THE JOB SITE FOR TOLERANCES, CLEARANCES, QUANTITIES, FABRICATION PROCESS AND TECHNIQUE OF CONSTRUCTION, COORDINATION OF HIS WORK WITH OTHER TRADES AND FULL COMPLIANCE WITH CONTRACT DOCUMENTS.</small></p> <p>Scorpio. <small>3911 W. University Ave. Gainesville, FL 32607 f: 352.363.6070</small></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;">REVIEWED</td> <td style="width: 25%; text-align: center;">REVIEWED W/ CHANGES</td> <td style="width: 25%; text-align: center;">REVISE AND RESUBMIT</td> <td style="width: 25%; text-align: center;">REJECTED</td> </tr> </table> <hr/> <p>BY _____ DATE _____</p> <p>SUBMITTAL# _____ SPEC _____</p> </div>	REVIEWED	REVIEWED W/ CHANGES	REVISE AND RESUBMIT	REJECTED
REVIEWED	REVIEWED W/ CHANGES	REVISE AND RESUBMIT	REJECTED		
ARCHITECT COMMENTS:	ARCHITECT'S STAMP:				
	<p> <input checked="" type="checkbox"/> Reviewed – No Comments <input type="checkbox"/> Reviewed – See Comments <input type="checkbox"/> Revise and Resubmit <input type="checkbox"/> Rejected – Re-Submittal Required </p> <div style="border: 1px solid red; padding: 5px; font-size: small;"> <p>This review is only for general conformance with the design concept of the project and general compliance with the information give in the Contract Documents. Quantities and exact dimensions are the responsibility of the contractor and/or subcontractor. This review does not affect the requirements of any contract, nor imply any approval of construction methods and/or safety requirements. This review does not authorize a change in contract value.</p> </div> <p> Forefront Architecture & Engineering, LLC FL License No. AR10253B FL License No. CA30900 Signature _____ Date 1/7/26 Project 25-10518 Fire Station Hazard Mitigation </p>				
ENGINEER COMMENTS:	ENGINEER'S STAMP:				

Lake County Fire Stations

Wind Mitigation

Lake County, FL



TPO Roof Details Submittal

Fire Station 70: 531 Sunnyside Drive, Leesburg, FL 34748

Fire Station 72: 12340 County Road 44, Leesburg, FL 34788

Architect

Forefront Architecture & Engineering
1230 Oakley Seaver Drive, Suite 100

General Contractor

Scorpio
151 Southhall Ln, Suite 170
Maitland, FL 32751

Roofing Contractor

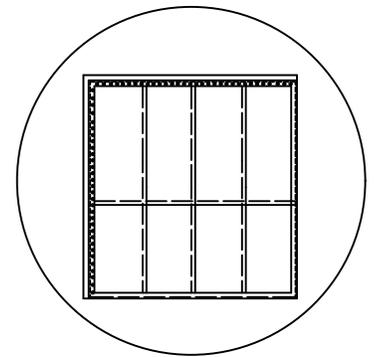
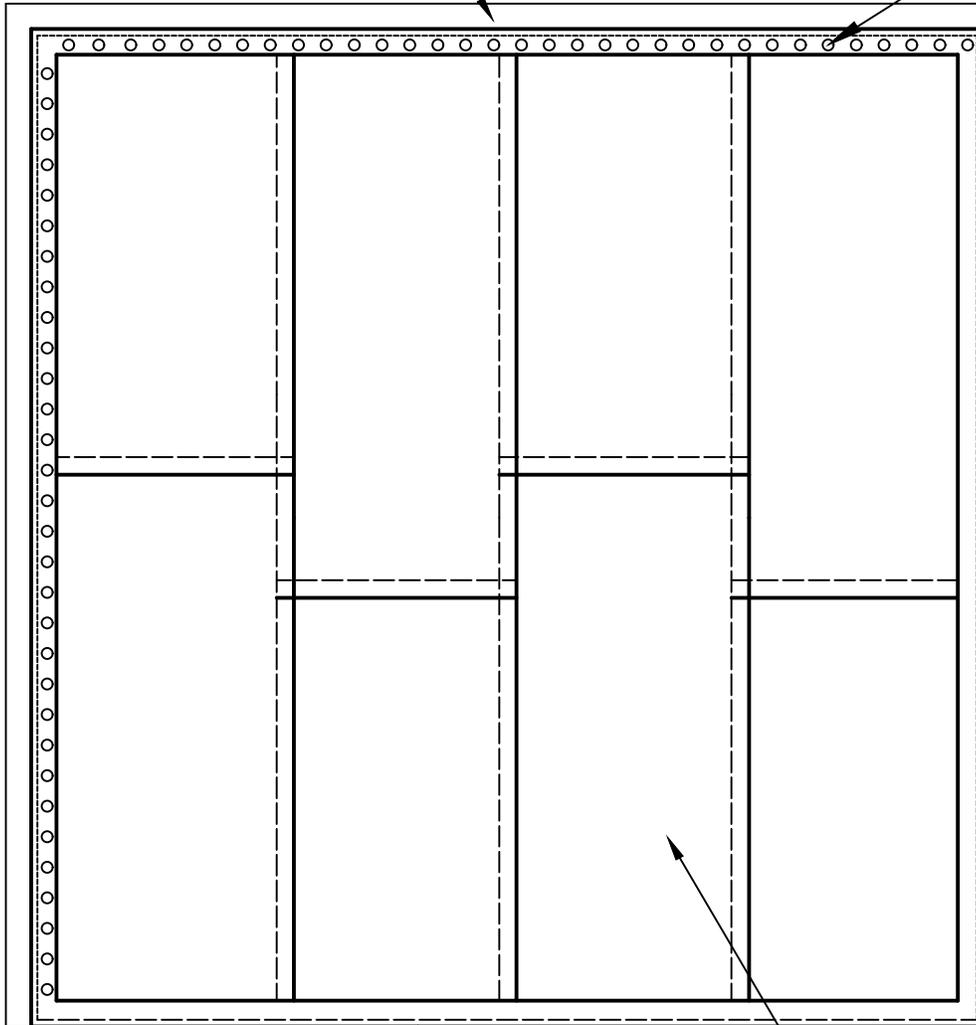


485 Commerce Way
Longwood, FL 32750

SINGLE-PLY: TPO & PVC

REFERENCE EVERGUARD®
300 SERIES PARAPET WALL
& CURB FLASHING DETAILS
FOR WALL TERMINATION

SEE NOTE 1



ALTERNATE

EVERGUARD® MEMBRANE

REFERENCE EVERGUARD®
200 SERIES ROOF EDGE
FLASHING DETAILS FOR
EDGE TERMINATION

NOTE:

1. SEE EVERGUARD® MECHANICALLY ATTACHED SPEC MANUAL TO DETERMINE FASTENER SPACING FOR VARIOUS DECK TYPES AND WIND UPLIFT REQUIREMENTS, AND FOR REQUIRED NUMBER OF PERIMETER HALF SHEETS.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A COVER BOARD IS REQUIRED ON MECHANICALLY ATTACHED SYSTEMS ONLY.



ROOF MEMBRANE LAYOUT DETAIL

DRAWING #
101B

THIS DETAIL APPLIES TO:
ALL SYSTEMS

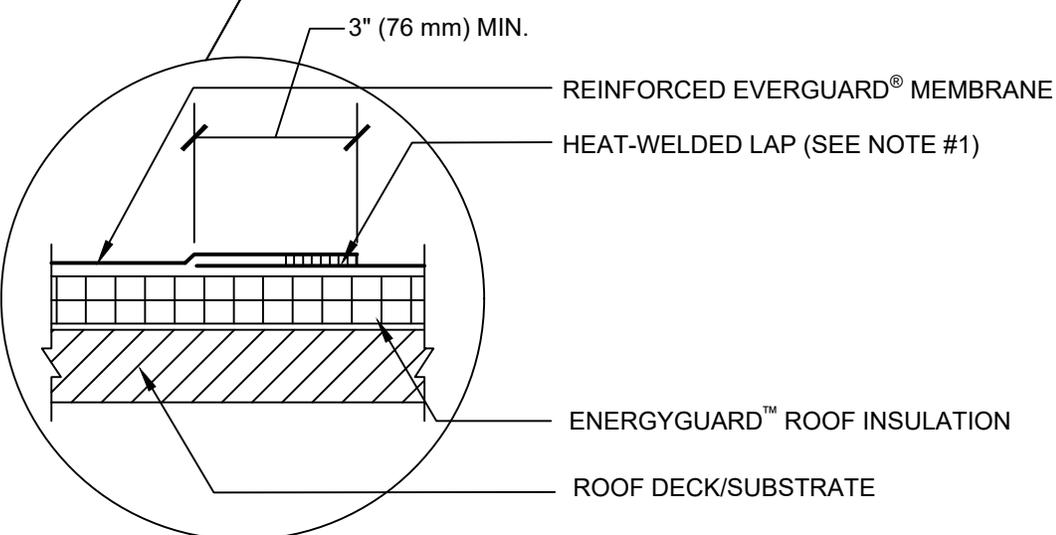
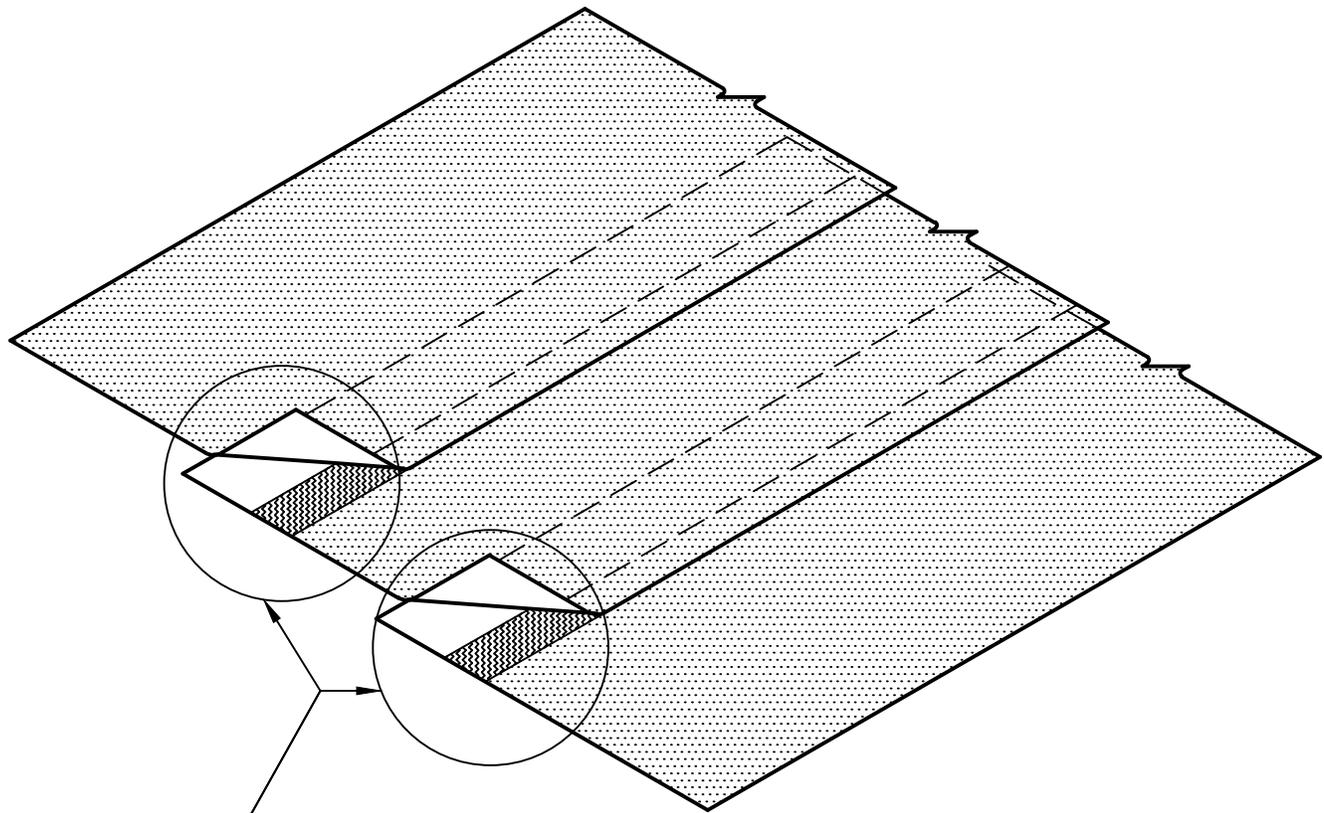
ISSUE / REVISION DATE
8/24/20

SCALE
N.T.S.

LEGEND

-  HEAT-WELDED SEAMS
-  FASTENERS

SINGLE-PLY: TPO & PVC



NOTE:

1. FOR HEAT-WELDING LAPS USE 1.5" (38.1 mm) WELD WITH MACHINE AUTOMATIC WELDER AND 2" (50.8 mm) WELD WITH HAND WELDER.



SIDE LAP

DRAWING #
102B

THIS DETAIL APPLIES TO:
ADHERED SYSTEMS
BALLASTED SYSTEMS
RHINOBOND® SYSTEMS
SELF-ADHERED SYSTEMS

ISSUE / REVISION DATE
6/07/21

SCALE
N.T.S.

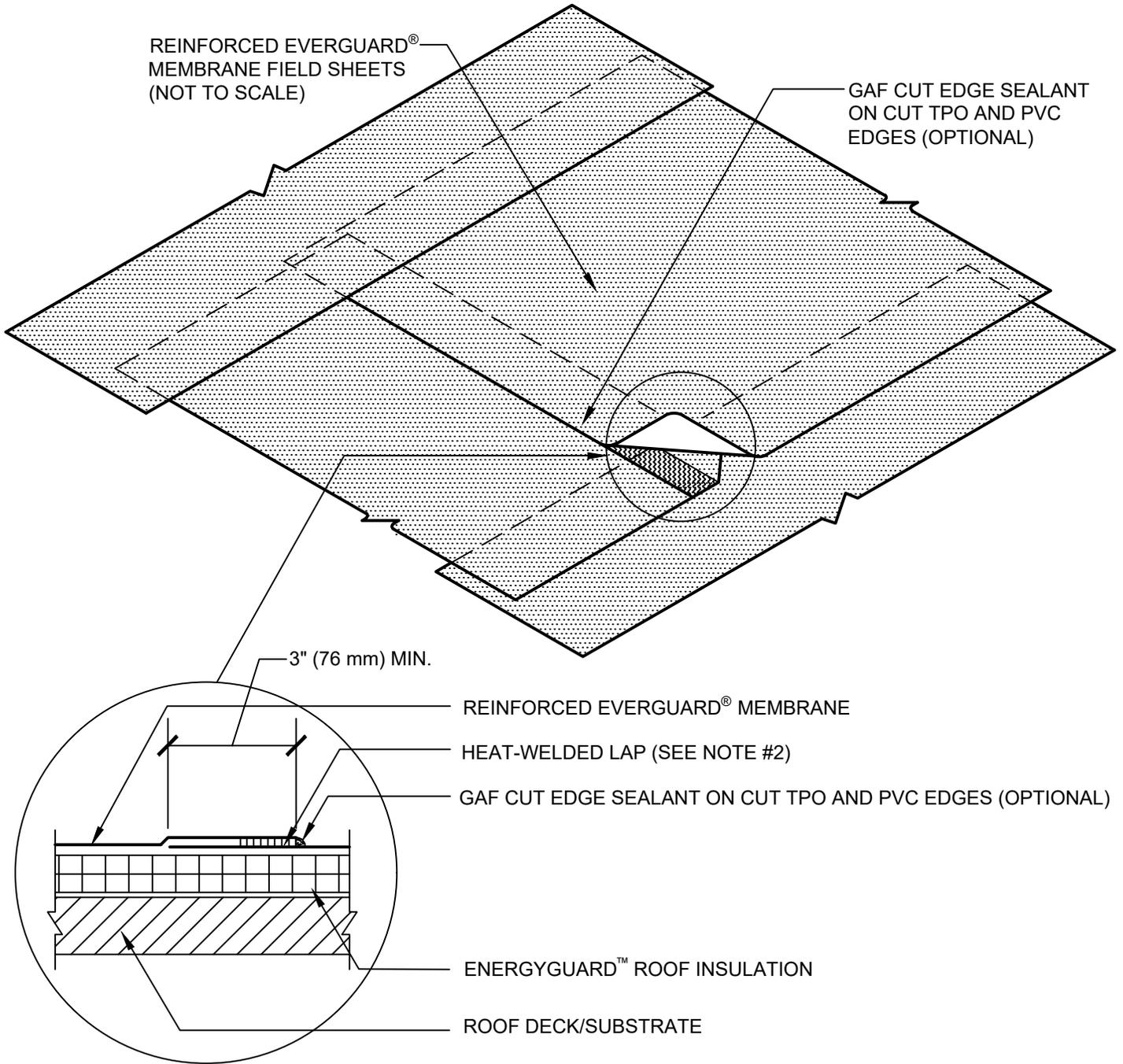
LEGEND

 HEAT-WELDED



EverGuard® TPO / PVC

Single Ply Roofing System



NOTES:

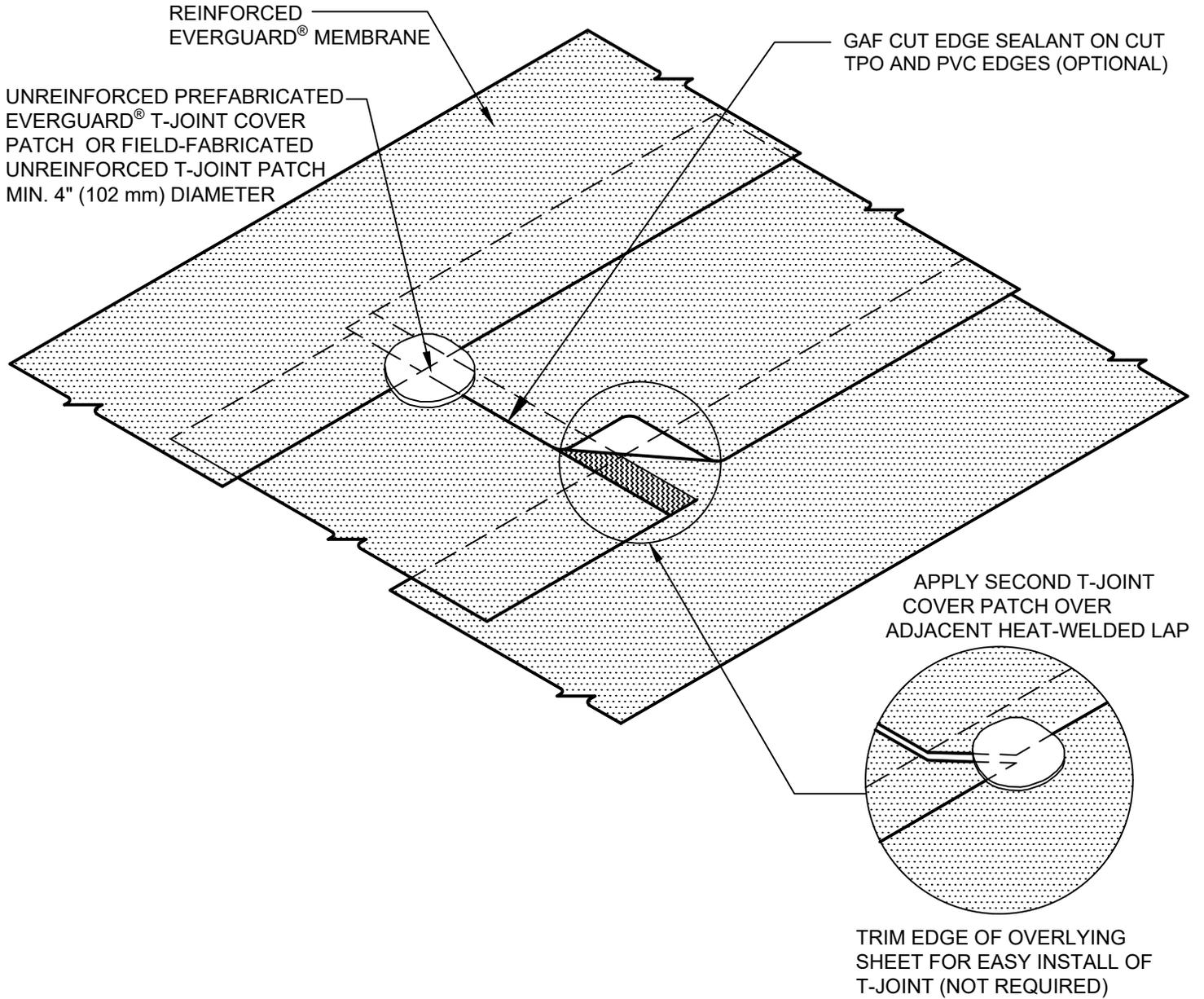
1. T-JOINT PATCH REQUIRED FOR 60, 70 & 80 MIL TPO AND 80 MIL PVC, REFER TO EVERGUARD® DETAIL 105.
2. FOR HEAT-WELDING LAPS USE 1.5" (38.1 mm) WELD WITH AUTOMATIC MACHINE WELDER AND 2" (50.8 mm) WELD WITH HAND WELDER.

	END LAP			DETAIL
	ROOF AREA	ISSUE DATE	SCALE	104A
	FIELD OF ROOF	2/23/2023	N.T.S.	



EverGuard® TPO / PVC

Single Ply Roofing System



NOTES:

1. T-JOINT IS TO BE USED FOR 60-80 MIL TPO AND 80 MIL PVC ONLY.

T-JOINT COVER PATCH

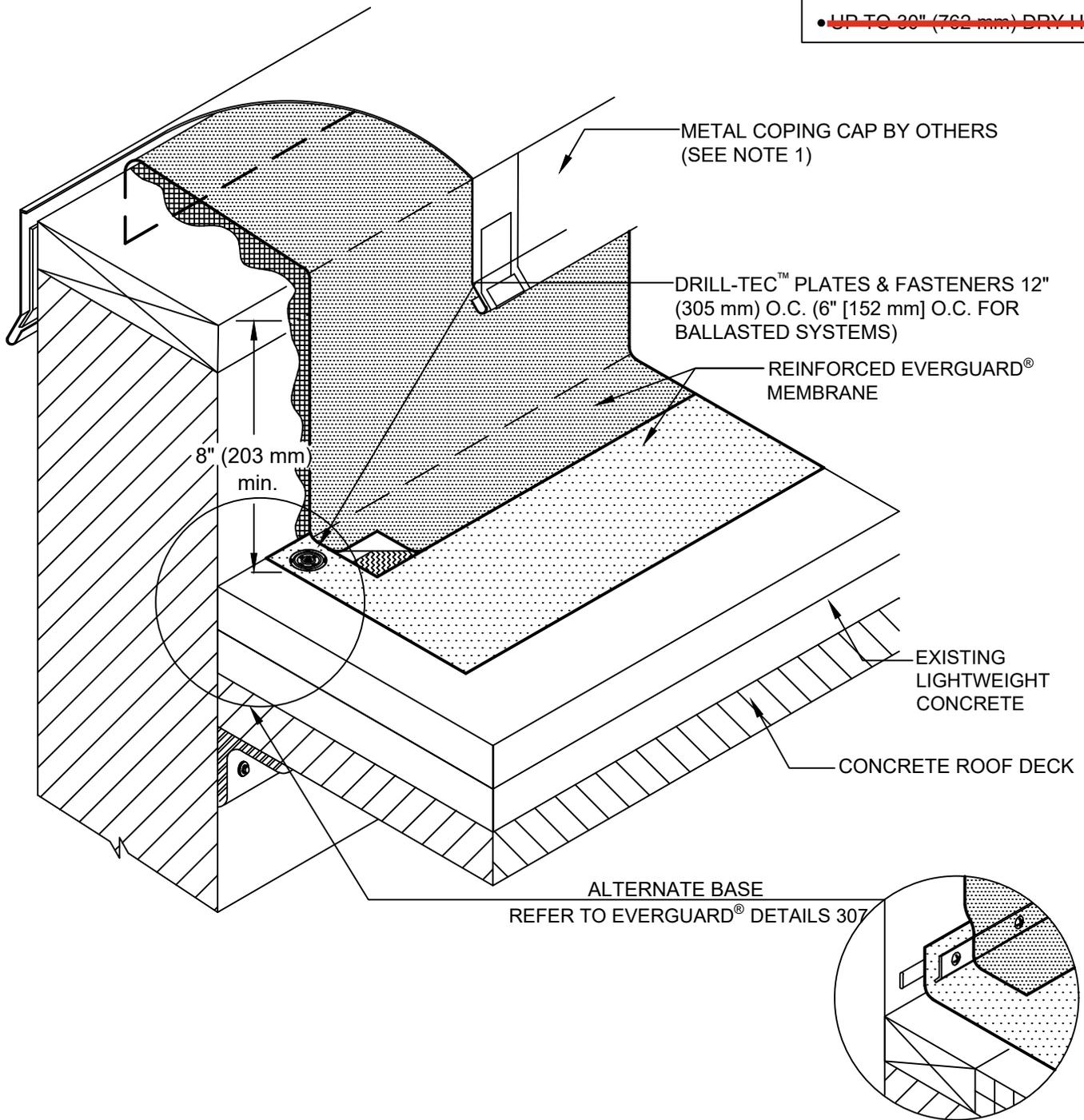
DETAIL

ROOF AREA	ISSUE DATE	SCALE
FIELD OF ROOF	2/23/2023	N.T.S.

105A

FLASHING KEY

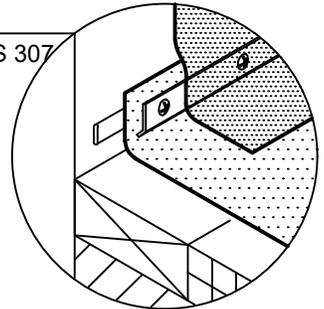
- 30" - 66" (762 mm - 1.68 m) REQUIRES BONDING ADHESIVE
- ~~UP TO 30" (762 mm) DRY LUNG~~



NOTE:

1. PERIMETER EDGE METAL SHOULD BE DESIGNED FOR WIND RESISTANCE IN ACCORDANCE WITH THE APPLICABLE EDITION OF ASCE 7 AND TESTED FOR RESISTANCE IN ACCORDANCE WITH THE TEST METHODS IN THE APPLICABLE EDITION OF ANSI/SPRI ES-1.

ALTERNATE BASE
REFER TO EVERGUARD® DETAILS 307



WALL FLASHING WITH COPING CAP

DRAWING #
303

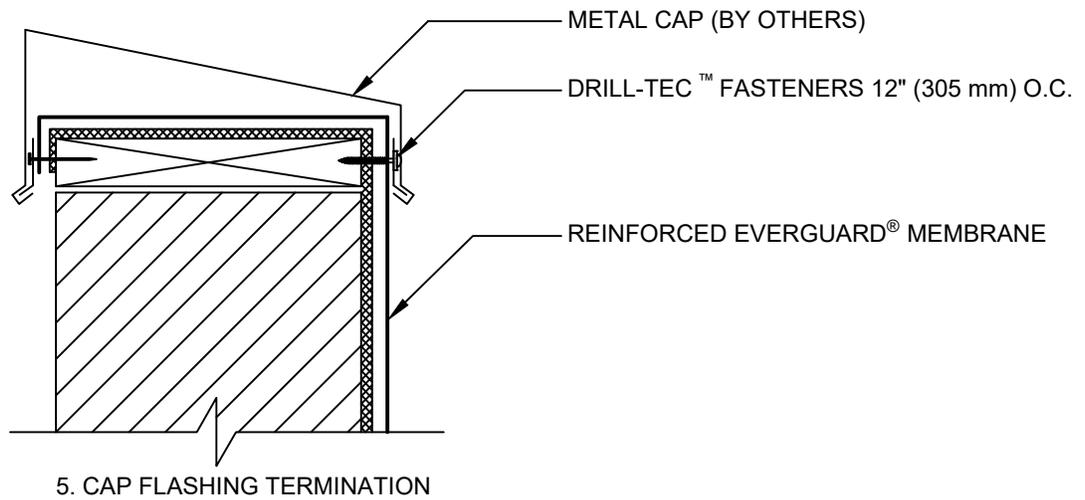
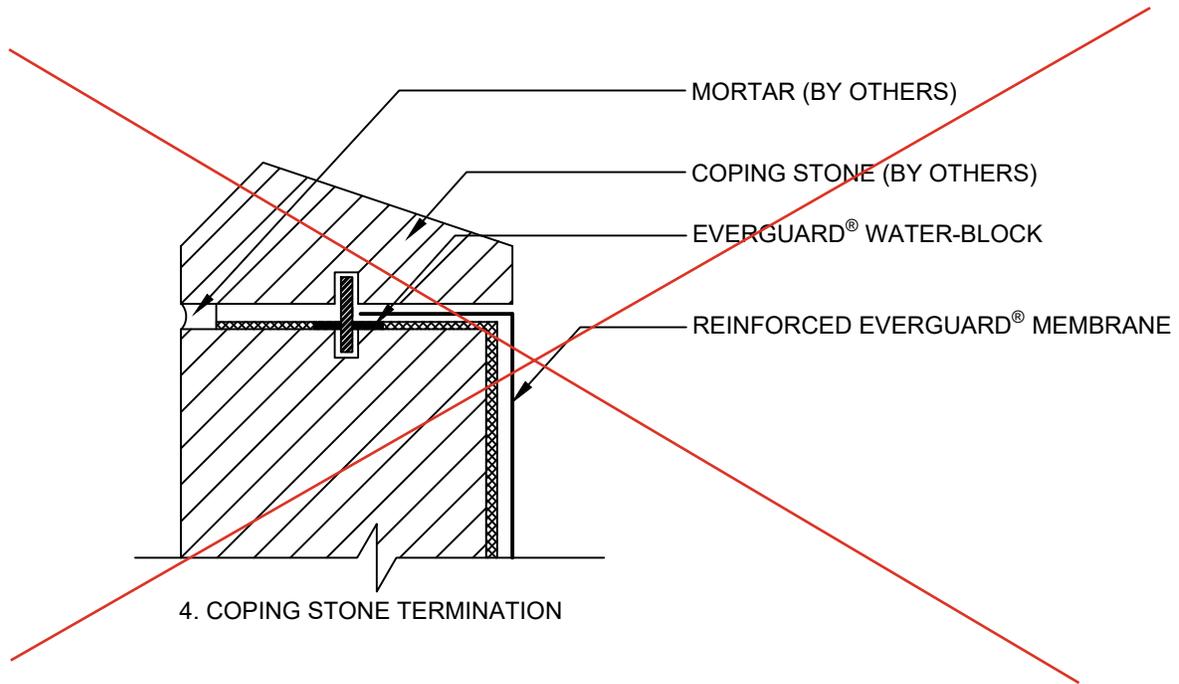
THIS DETAIL APPLIES TO:
ALL SYSTEMS

ISSUE / REVISION DATE
2/2/21

SCALE
N.T.S.

LEGEND

- HEAT-WELDED
- EVERGUARD® BONDING ADHESIVE



WALL TERMINATION 4 & 5

DRAWING #
318B

THIS DETAIL APPLIES TO:
ALL SYSTEMS

ISSUE / REVISION DATE
8/24/20

SCALE
N.T.S.

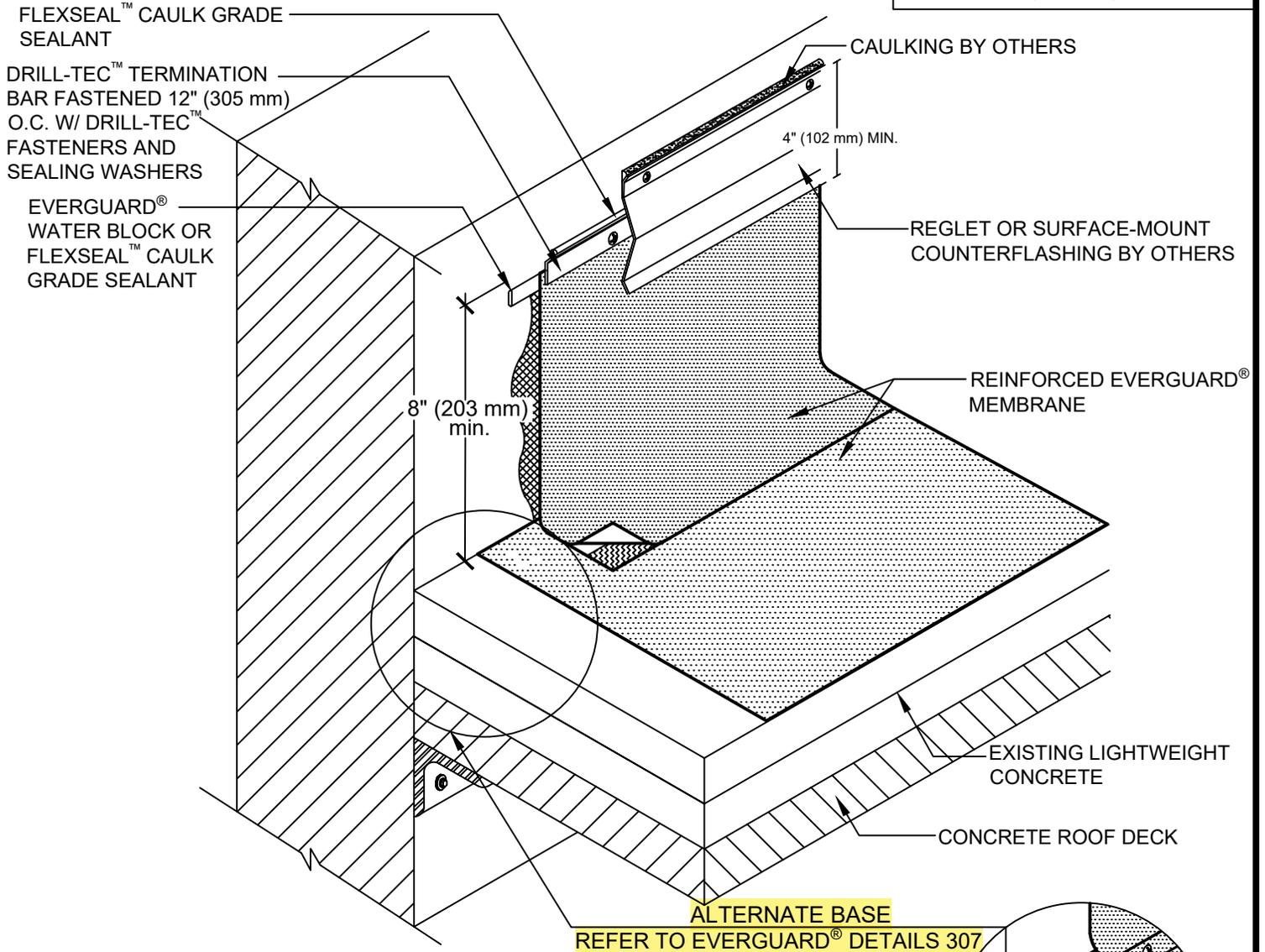
LEGEND

 EVERGUARD® BONDING ADHESIVE
-OPTIONAL LIP TO 30" (762 mm) FLASHING HEIGHT

SINGLE-PLY: TPO & PVC

FLASHING KEY

- 30" - 66" (762 mm - 1.68 m) REQUIRES BONDING ADHESIVE
- ~~UP TO 30" (762 mm) DPV HUNG~~



NOTE:

1. EXISTING REGLET IS ACCEPTABLE IF METAL IS IN GOOD CONDITION.
3. IF EVERGUARD® FREEDOM MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
4. EXPOSED WALLS/CURBS MUST BE WATERPROOFED AND MAINTAINED ABOVE THE BASE FLASHING IN ORDER FOR ANY SURFACE-MOUNTED TERMINATION TO BE EFFECTIVE.



WALL FLASHING WITH COUNTERFLASHING

DRAWING #
301A

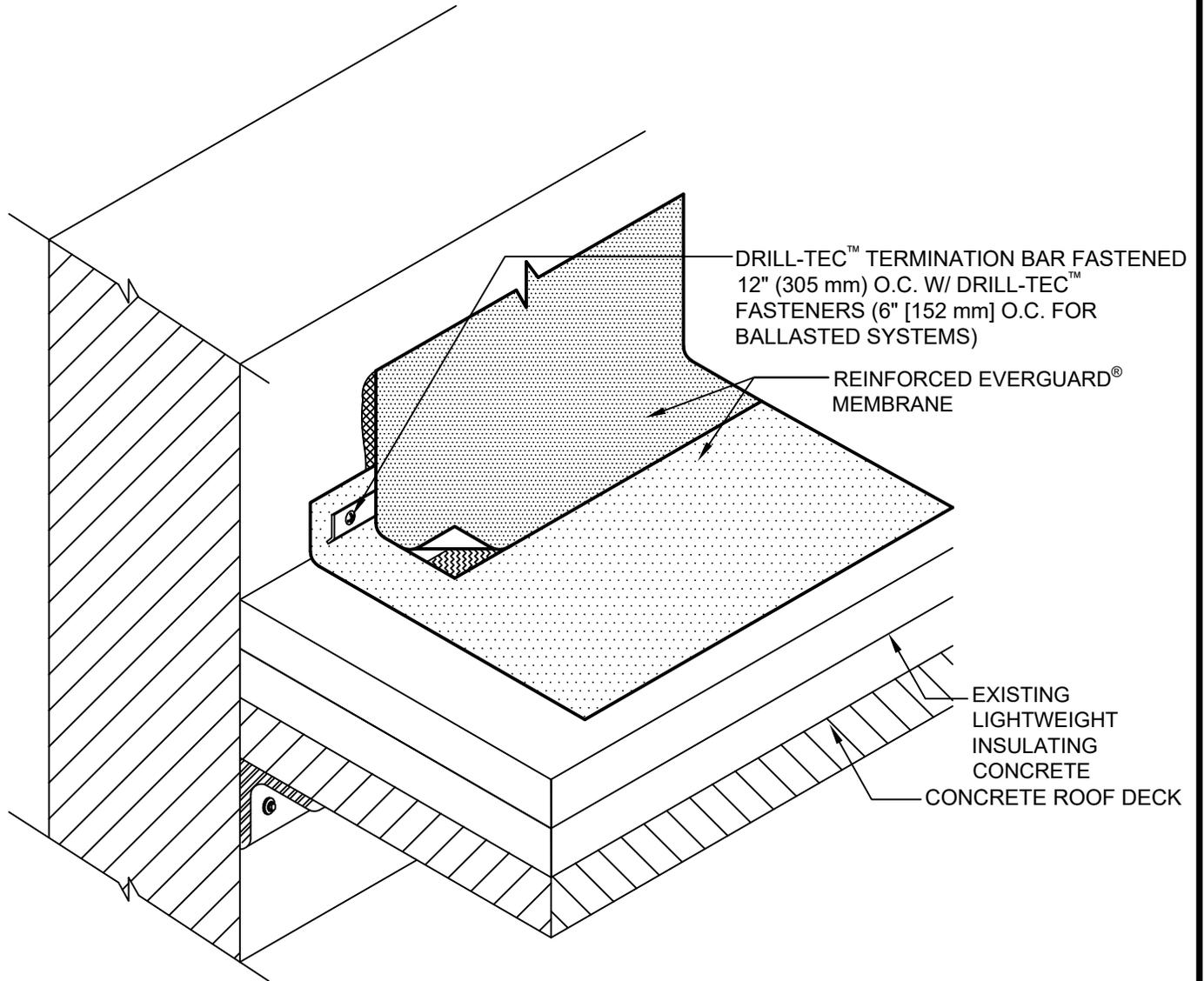
THIS DETAIL APPLIES TO:
ALL SYSTEMS

ISSUE / REVISION DATE
8/17/20

SCALE
N.T.S.

LEGEND

- HEAT-WELDED
- EVERGUARD® BONDING ADHESIVE



NOTE:

1. PLATES & FASTENERS MAY BE USED IN LIEU OF TERM BAR IN NON-PRESSURIZED SITUATIONS.
2. THIS DETAIL NEEDS TO BE USED FOR PRESSURIZED SITUATIONS, IN ALL SYSTEMS.
3. IF EVERGUARD® FREEDOM MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.

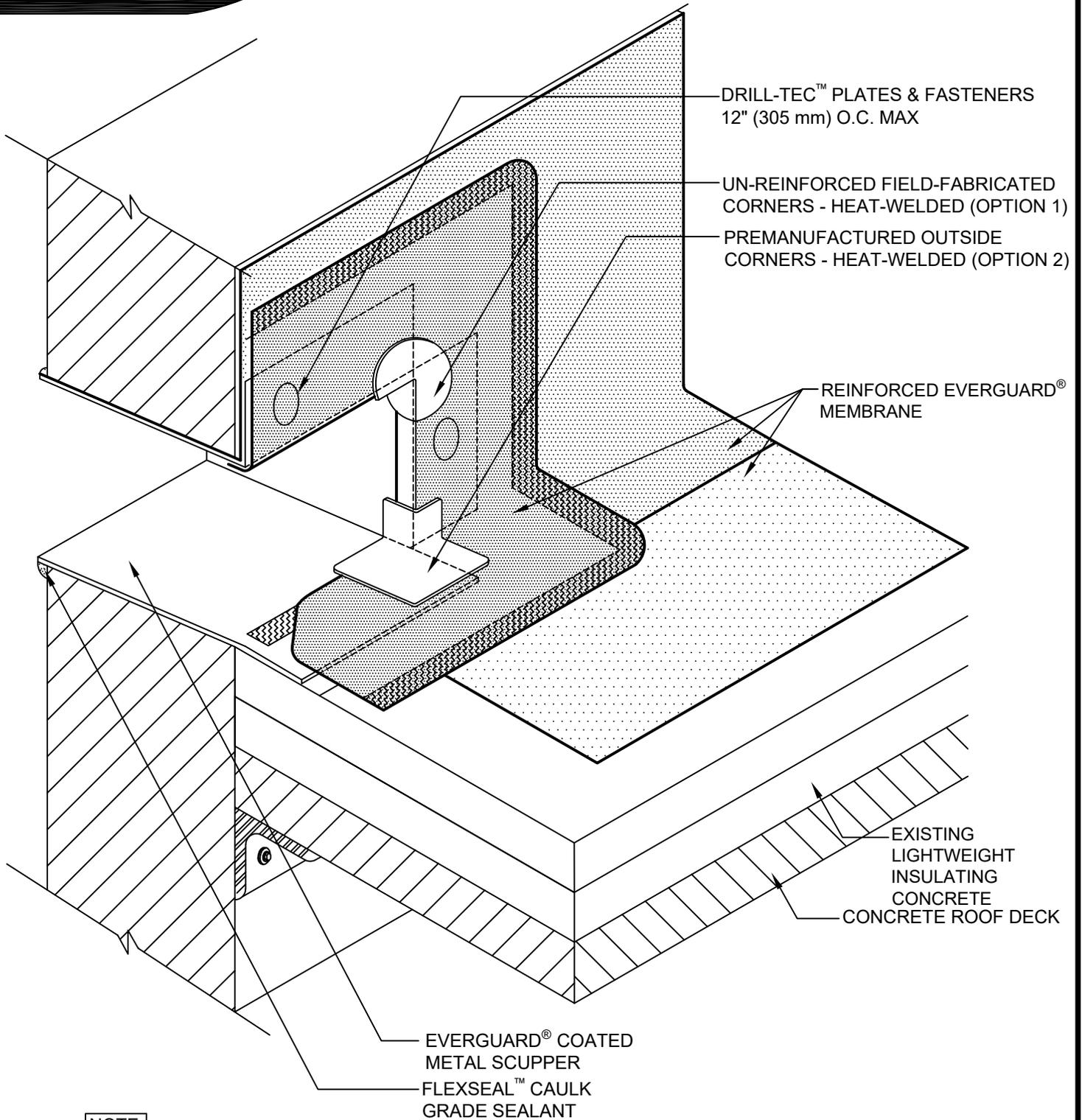


ALTERNATE WALL BASE TERMINATION

DRAWING #	THIS DETAIL APPLIES TO:	ISSUE / REVISION DATE	SCALE
307A	ALL SYSTEMS	8/24/20	N.T.S.

LEGEND

-  HEAT-WELDED
-  EVERGUARD® BONDING ADHESIVE
-OPTIONAL UP TO 30" (762 mm) FLASHING HEIGHT



NOTE:

1. REMEMBER TO INSTALL EVERGUARD® UN-REINFORCED FIELD-FABRICATED OR PREMANUFACTURED OUTSIDE CORNERS TO THE SCUPPERS' FOUR ROOF-SIDE CORNERS.
3. SCUPPER MUST BE SEALED OFF ON OUTSIDE OF BUILDING.



COATED METAL WALL SCUPPER

DRAWING #
311

THIS DETAIL APPLIES TO:
ALL SYSTEMS

ISSUE / REVISION DATE
8/24/20

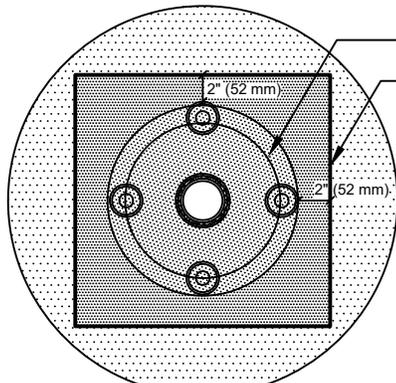
SCALE
N.T.S.

LEGEND

 HEAT-WELDED

SINGLE-PLY: TPO & PVC

ALTERNATE INSTALLATION



SEE NOTE #2

EVERGUARD® PREMOLDED VENT BOOT
 TARGET MADE FROM REINFORCED
 EVERGUARD® MEMBRANE

STAINLESS
 STEEL CLAMP

DRILL-TEC™ PLATES
 & FASTENERS
 4 PER PENETRATION

CONCRETE ROOF DECK

VENT STACK

EVERGUARD® WATER BLOCK OR
 FLEXSEAL™ CAULK GRADE SEALANT

EVERGUARD® PREMOLDED VENT BOOT

REINFORCED
 EVERGUARD®
 MEMBRANE

EXISTING
 LIGHTWEIGHT
 INSULATING
 CONCRETE

NOTE:

1. DO NOT CUT SIDE OF PREMOLDED BOOT. IT MUST BE PULLED OVER VENT PIPE.
2. IF THE PLATES AND FASTENERS INTRUDE INTO BOOT FLANGE AREA, THEN A TARGET MUST FIRST BE INSTALLED OVER PLATES AND FASTENERS BEFORE BOOT INSTALLATION.
3. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.



PREMOLDED VENT BOOT FLASHING DETAIL

DRAWING #
506A

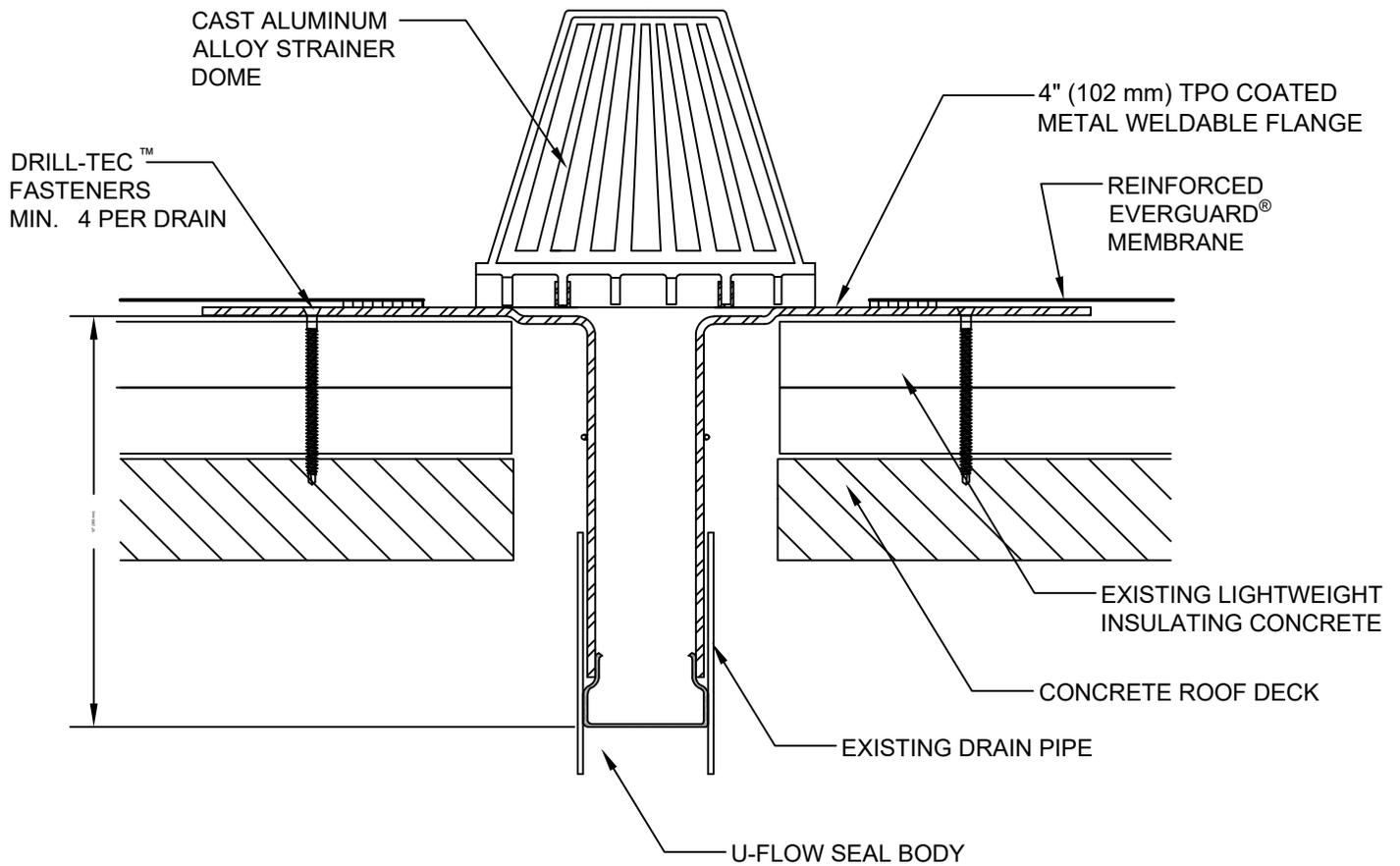
THIS DETAIL APPLIES TO:
 ALL SYSTEMS

ISSUE / REVISION DATE
 8/17/20

SCALE
 N.T.S.

LEGEND

-  HEAT-WELDED
-  FLEXSEAL™ CAULK GRADE SEALANT



NOTE:

1. EXISTING DRAIN PIPE SHALL BE CLEAN OF ALL DEBRIS THROUGH THE LENGTH OF THE TUBE TO ENSURE PROPER SEAL.
2. HERCULES® RETRODRAIN ONLY TO BE USED AS A RETROFIT DRAIN.
3. REFER TO PRODUCT APPLICATION INSTRUCTIONS FOR DRAIN PIPE SECUREMENT.



DRAIN - HERCULES® COATED METAL DRAIN DETAIL

DRAWING #
515

THIS DETAIL APPLIES TO:
ALL SYSTEMS

ISSUE / REVISION DATE
8/17/20

SCALE
N.T.S.

LEGEND

■■■■■■■■ MIN 2" (51 mm) HEAT WELD LAP