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Trust...From
North America's
Largest Roofing
Manufacturer!™

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Version 1.0

EVERGUARD® TPO/PVC ARCHITECTURAL ROOFING DETAILS Manual



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WELCOME

EverGuard® TPO/PVC Architectural Roofing Details Manual

Thank you for consulting Version 1.0 of the *EverGuard® TPO/PVC Architectural Roofing Details Manual*. You can find further information at www.gaf.com, or contact GAF Technical Services at 1-800-ROOF-411 (1-800-766-3411).

WHO IS GAF?

Founded in 1886, GAF has grown to become North America's largest manufacturer of commercial and residential roofing. Professional roofing contractors have long preferred the rugged, dependable performance that only a GAF roof can offer.

For roofing contractors and distributors:

- Helping to build your business and avoid hassles

For property owners & architects:

- Helping to assure your best and safest choice in roofing

WHAT IS IN THIS MANUAL?

This manual corresponds with the following manuals:

- EverGuard® TPO/PVC Mechanically Attached Roofing System Overview & General Requirements Manual
- EverGuard® Freedom™ TPO Self-Adhered Roofing System Overview & General Requirements Manual
- EverGuard® TPO/PVC Adhered Roofing System Overview & General Requirements Manual
- EverGuard® TPO/PVC Ballasted Roofing System Overview & General Requirements Manual
- Drill-Tec™ RhinoBond® Attachment System Overview & General Requirements Manual

WHAT ARE OUR PRODUCTS AND SERVICES?

No one offers a wider range of reliable, proven, cost-effective roofing solutions:

COMMERCIAL PRODUCTS

- EverGuard® Freedom™ TPO Self-Adhering Roofing Systems
- EverGuard Extreme® TPO Single-Ply Roofing Systems

- EverGuard® TPO and PVC Single-Ply Roofing Systems
- RUBEROID® SBS and APP Modified Bitumen Roofing Systems
- LIBERTY™ SBS Self-Adhering Roofing Systems
- GAFGLAS® Fiberglass Built-up Roofing Systems
- TOPCOAT® Liquid-Applied Membrane Roofing Systems
- United Coatings™ Liquid-Applied Roof Coatings
- HYDROSTOP® Liquid-Applied Roof Membrane
- StreetBond® Pavement Coatings
- GAF LiveRoof®... Hassle-free Garden Roofing System

RESIDENTIAL PRODUCTS

- Lifetime Designer Shingles... Camelot®, Camelot II®, Country Mansion®, Slateline®, Grand Canyon®, Grand Sequoia®, Grand Sequoia® IR, Sienna™, Woodland®, and Glenwood® Shingles
- Timberline® Lifetime Shingles... Timberline Ultra HD®, Timberline HD®, Timberline® Natural Shadow®, Timberline® American Harvest®, Timberline® Cool Series®, and Timberline® ArmorShield™ II
- 3-Tab Shingles... Marquis® WeatherMax® and Royal Sovereign®
- TruSlate® Roofing... affordable Genuine Slate Roofing System

ACCESSORY PRODUCTS

- We offer an extensive line of accessory products for our roof systems, including: EverGuard® TPO and PVC Prefabricated Accessories; Single-Ply Adhesives, Primers & Sealants; Matrix™ Coatings and Cements; EnergyGuard™ Insulation; Drill-Tec™ Fasteners; M-WELD® Preflashed Accessories; Metalastic® Expansion Joint Covers; Lexsuo® Roof System Accessories; Cobra® and Master Flow® Ventilation Products; Timbertex® Premium Ridge Cap Shingles; WeatherWatch® and StormGuard® Leak Barriers; Shingle-Mate® and Deck-Armor®, Tiger Paw™ and Shingle-Mate® Roof Deck Protection.

WELCOME

EverGuard® TPO/PVC Architectural Roofing Details Manual

SERVICES

- Every GAF roofing product benefits from the substantial resources available only from a multibillion-dollar corporation dedicated to roofing. Our 32 plants mean manufacturing expertise. Our extensive R&D organization means a constant focus on product and process improvement. Over 250 sales and technical personnel mean that GAF is there, in person, to provide you with the service and information you need. GAF is a team of over 3,000 people dedicated to your roofing satisfaction.
- GAF has a network of sales representatives and distributors to supply and service its quality roofing systems throughout North America.
- Our Technical Helpline is a technical assistance service that allows you to contact us directly to speak with a technical representative about specifications, applications, code approvals, and product information. The Helpline number is 1-800-ROOF-411 (1-800-766-3411).
- Architectural Information Services (AIS) is a service that assists you in determining your exact roofing needs based on the project information you provide us. Our assistance includes providing you with a general specification that summarizes the details of the project you provided us, as well as application methods, product descriptions, and detail drawings for the proposed project. You can reach our AIS team at 1-800-522-9224.
- Our Tapered Design Group (TDG) is one of the many services available to our customers to help reduce their hassles. We provide tapered insulation take-offs based on the information you provided us, as guidance to assist architects, contractors, and distributors nationwide. Just send your roof plans and specifications to tdg@gaf.com. Our TDG can be reached at 1-800-766-3411.
- Visit GAF on the web at www.gaf.com for extensive product information, specifications, and technical literature.

A FEW THINGS TO CONSIDER...

- This Manual contains the latest information relating to the application of GAF's Single-Ply Roofing Systems and is based on our years of experience in the commercial roofing field. It has been prepared as a general guide to assist architects, engineers, roofing contractors, and owners in the use of our roofing systems.
- GAF manufactures and sells roofing materials and does not practice architecture or engineering. GAF is not responsible for the performance of its products when damage to its products is caused by such things as improper building design, construction flaws, or defects in workmanship.
- The design responsibility remains with the architect, engineer, roofing contractor, or owner, and construction details illustrated and described herein are furnished solely for guidance purposes. These guidelines should not be construed as being all-inclusive, nor should they be considered as a substitute for good application practices.
- Under no circumstances does GAF have any liability for expenses arising out of or associated with the pre-existing presence of asbestos-containing materials or any other allegedly hazardous substances or materials upon the roof to which the new GAF roofing materials are being applied.
- Information contained in this Manual is presented in good faith and, to the best of GAF's knowledge, does not infringe upon any patents, foreign or domestic.
- As a part of its continuing efforts to improve the performance of its products, GAF periodically makes changes to its products and application specifications. The Company reserves the right to change or modify, at its discretion, any of the information, requirements, specifications, or policies contained herein. This Manual supersedes all catalogs and previous manuals.
- GAF is Your Best Choice!

GUARANTEE PROGRAM

EverGuard® TPO/PVC Architectural Roofing Details Manual

GENERAL

GAF offers roof guarantees for a fee for our published roofing system specifications when installed by GAF Certified Low-Slope Roofing Contractors in accordance with the terms and conditions set forth in this Manual, and the procedures for obtaining a guarantee are followed.

All guaranteed roofing systems must be flashed in accordance with the GAF flashing requirements and details included in this Manual. All GAF insulation, fasteners, pre-flashed details, expansion joint covers, cements, coatings, and accessory products as job appropriate are required for guarantees unless otherwise approved in writing by a Field Services Manager or Director prior to installation.

GAF will be the sole judge as to whether or not a roofing guarantee will be issued to cover any proposed or completed roof. The issuance of a guarantee and its effectiveness or the continued liability thereunder is contingent upon, among other things, payment of GAF's guarantee fee and payment in full to the roofing contractor and materials suppliers.

GAF has no obligation to issue a roofing guarantee on any roof. Any inspection prior to issuance is solely for the benefit of GAF and does not constitute a waiver of any terms or conditions in the guarantee. In the event that a roof system does not conform to GAF's standards and a guarantee is not issued, no portion of the guarantee fee is refundable.

GAF will not accept Notices of Award of Contract that indicate that the owner or architect has the option to accept or reject the guarantee upon completion of the roof.

GAF is not responsible for consequential damages in case of roof system failure. GAF has no control over a building's contents, type, quantity, positioning, or protection.

A GAF guarantee may be cancelled by GAF for violation of its terms and conditions.

Some GAF guarantees may be eligible for GAF WellRoof® guarantee extension. See guarantee for terms and conditions.

SPECIAL CONDITIONS

A guarantee will not be issued to cover less than the entire roof area of a single building.

A GAF guarantee will not be issued for the following without prior written approval from the Field Services Manager or Director:

- Over any surface or deck not covered in this Manual
- Over a cold/freezer storage building, unless a ventilated plenum isolates the cold storage area from the roofing system and substrate
- On storage silos, heated tanks, or domed structures
- On structures having conduit or piping between the roof deck and roofing membrane, unless the conduit or piping is installed in channels below the top deck surface
- On roofs that have an inadequate number and spacing of expansion joints or curbs
- On systems constructed with insulation not approved by GAF
- On any structure where there is limited or no access to the roof
- On a roof designed for or used as a water-insulated or spray roof
- On promenade or parking roofs
- On waterproofing applications
- For any structure where high-heat or humidity conditions exist such as, but not limited to, breweries, creameries, laundries, textile mills, pulp and paper plants, swimming pools, shower rooms, and canneries
- When roofing over an existing roof system that contains moisture, is not adhered to the substrate or roof deck, and/or provides an improperly prepared surface
- On plywood decks without continuous solid end blocking
- On roofs containing sprayed-in-place polyurethane foam
- Any unusual condition not specifically approved by GAF
- On any high-temperature condition that allows the roof membrane temperature to exceed 160°F (71°C); or 195°F (90°C) for EverGuard Extreme® roofing systems.

GUARANTEE PROGRAM

EverGuard® TPO/PVC Architectural Roofing Details Manual

GAF ROOF GUARANTEE PROGRAM

GAF offers an extensive selection of roof guarantees to meet the needs of most building owners. The following guarantees may be available for use with selected EverGuard® Single-Ply Roof Systems when installed by an eligible GAF certified contractor. Contact GAF Technical Services for additional information and specific guarantee requirements.

GAF Roof Guarantee Type

All-American Pledge™ Steep- and Low-Slope Roof Guarantee

- Coverage: NDL
- Term: Up to 35 Years

GAF Diamond Pledge™ Roof Guarantee

- Coverage: NDL
- Term: Up to 35 Years

GAF System Pledge™ Roof Guarantee

- Coverage: Specified \$ per square
- Term: Up to 35 Years

WellRoof® Guarantee Extension*

- Coverage: Extends Diamond Pledge™ Coverage
- Coverage: 25% longer term
- Any issued guarantee up to 30 years in length is eligible for the GAF WellRoof® Guarantee Extension; maximum guarantee length, including WellRoof® Guarantee Extension, is 35 years.

*A program that encourages property owners to utilize an annual maintenance agreement. When certain requirements are met, GAF will extend its Diamond Pledge™ Guarantee by 25% for eligible projects. Contact Technical Services at 1-800-766-3411 for qualifying specifications and detailed information. All work must be completed by a GAF Certified Maintenance Professional (CMP). See WellRoof® Guarantee Extension for complete coverage and restrictions.

GAF CERTIFIED CONTRACTOR PROGRAM

GAF does not install roofing systems. GAF does not own roof contracting companies, or have any interest in companies installing roofing systems. Accordingly, GAF shall not be responsible for any roofing contractor's workmanship except as specifically covered under the terms and conditions of the GAF roofing guarantee.

The term "GAF Certified Low-Slope Roofing Contractor" only identifies a contractor eligible to apply for a GAF roofing guarantee and is not intended to convey any other meaning. GAF Certified Low-Slope Roofing Contractors are not employees, agents, or representatives of GAF.

GAF will issue a roofing system guarantee only for roofs applied by a GAF Certified Low-Slope Roofing Contractor. The responsibility for proper application of the roof lies with the Certified Low-Slope Roofing Contractor alone. It is the responsibility of the building owner and his or her designated representatives, as the employer of the Certified Low-Slope Roofing Contractor, to enforce compliance with specifications and good workmanship practices. Such enforcement is not GAF's responsibility.

INSPECTIONS

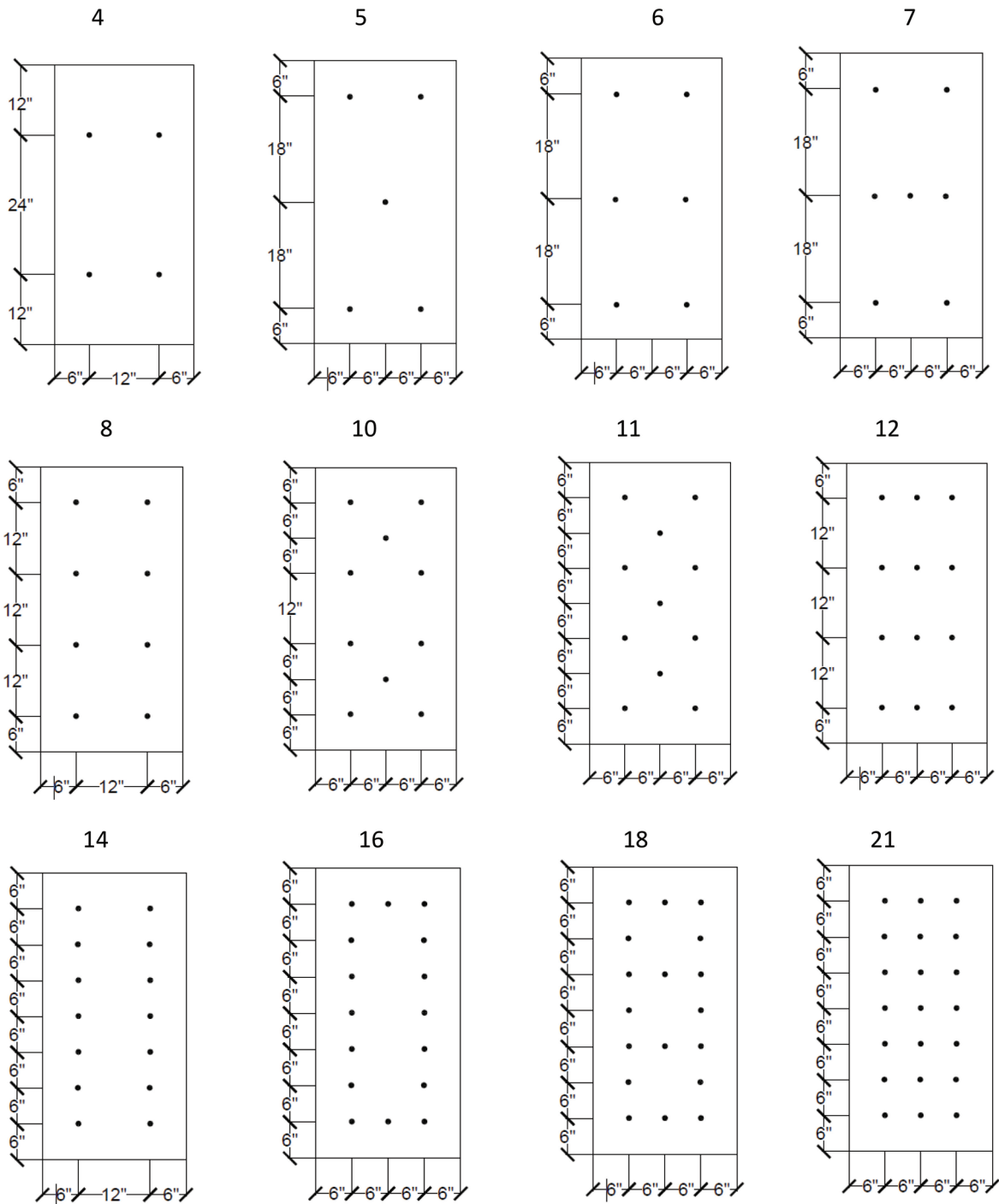
GAF will inspect only those roofs where a guarantee is to be issued or where special inspection services have been agreed to be purchased prior to the start of the roof construction, and the current charge for the guarantee or inspection services has been paid. If an inspection is requested and the job is not ready or the owner's representative is not available, an extra charge may apply.

GAF reserves the right to waive inspection of guaranteed roofs when, in its opinion, inspection is not necessary. In such cases, the owner or designer may request a special inspection for which an additional charge may apply.

Any inspections made by GAF are for its own use only and do not constitute a waiver or modification of any of the terms and conditions of the guarantee.

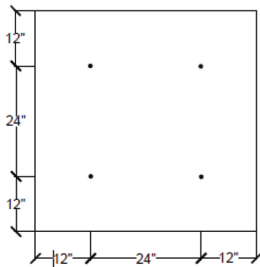
Should a GAF Field Services Representative observe conditions on the job site that do not conform to the requirements of this Manual or standard good roofing practices, such conditions will be brought to the attention of the roofing contractor. GAF, at its sole discretion, has the right to require corrective action as it deems necessary to conform to the requirements of this Manual and the requirements for the issuance of the GAF guarantee.

2' x 4' (610 mm x 1.2 m) Boards

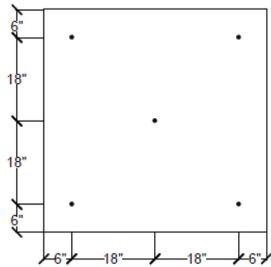


4' x 4' (1.2 m x 1.2 m) Boards

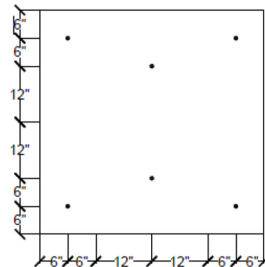
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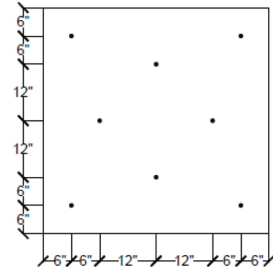
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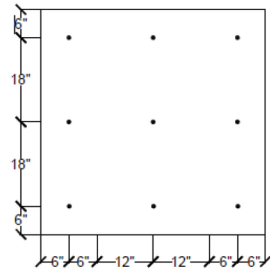
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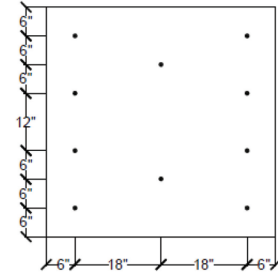
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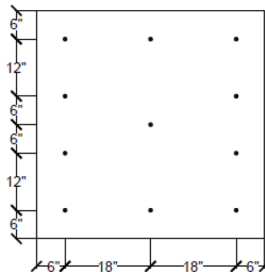
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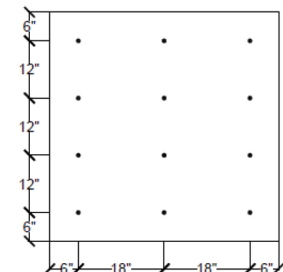
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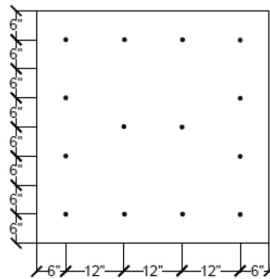
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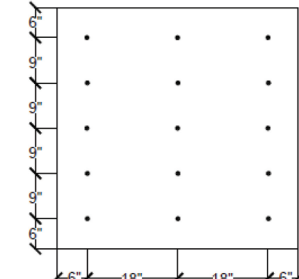
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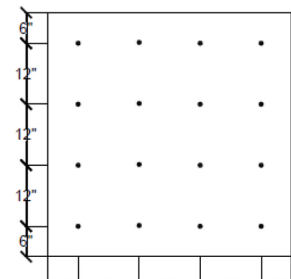
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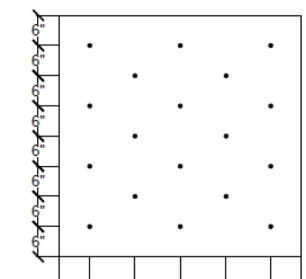
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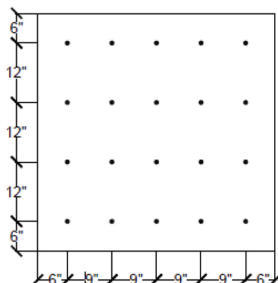
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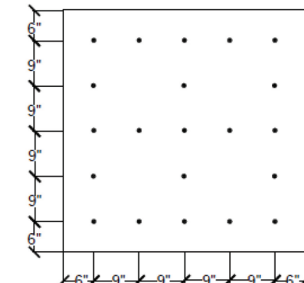
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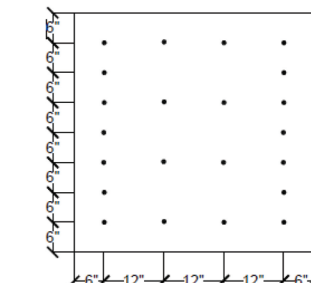
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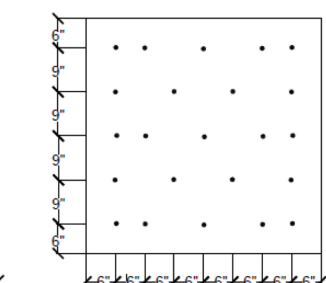
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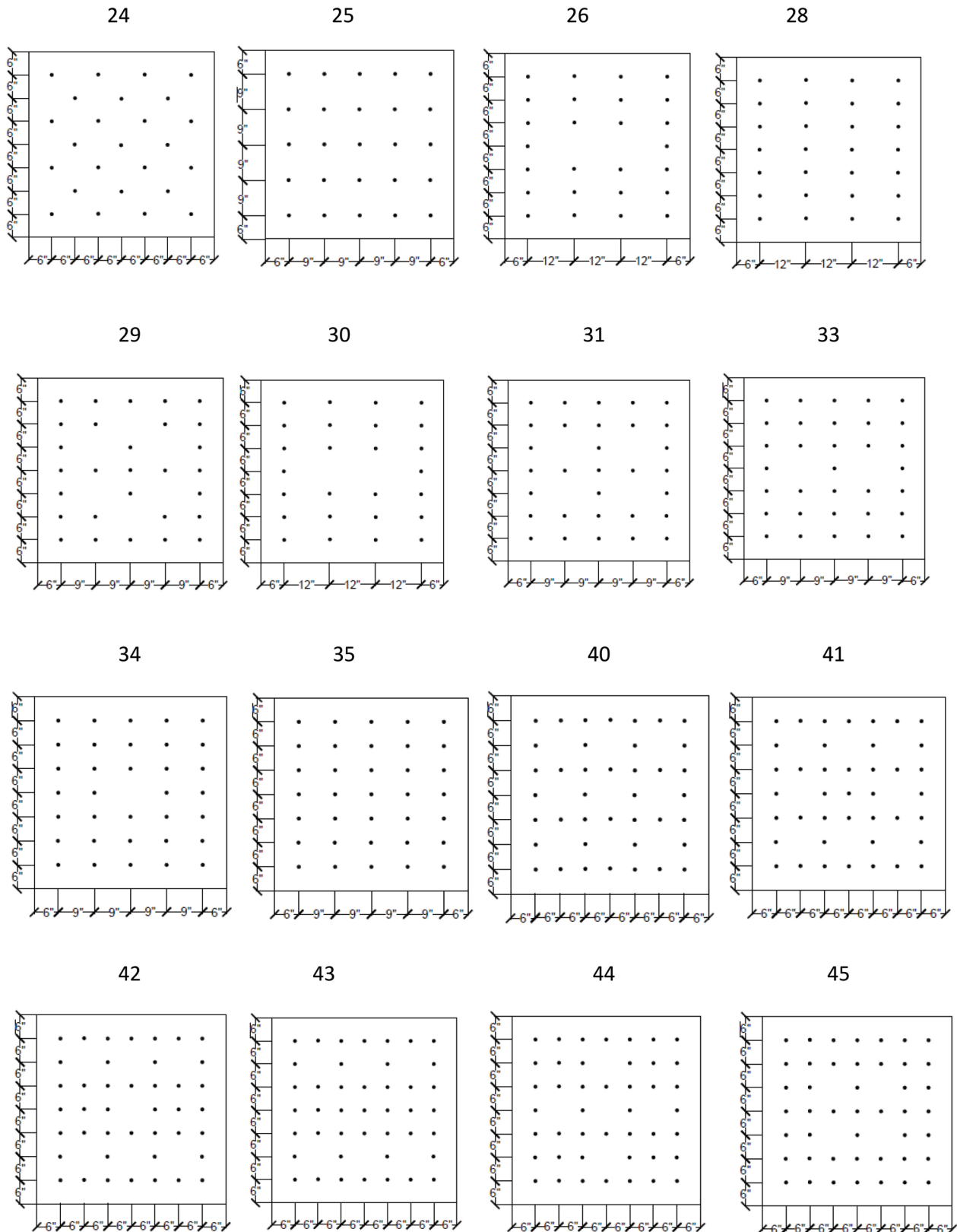
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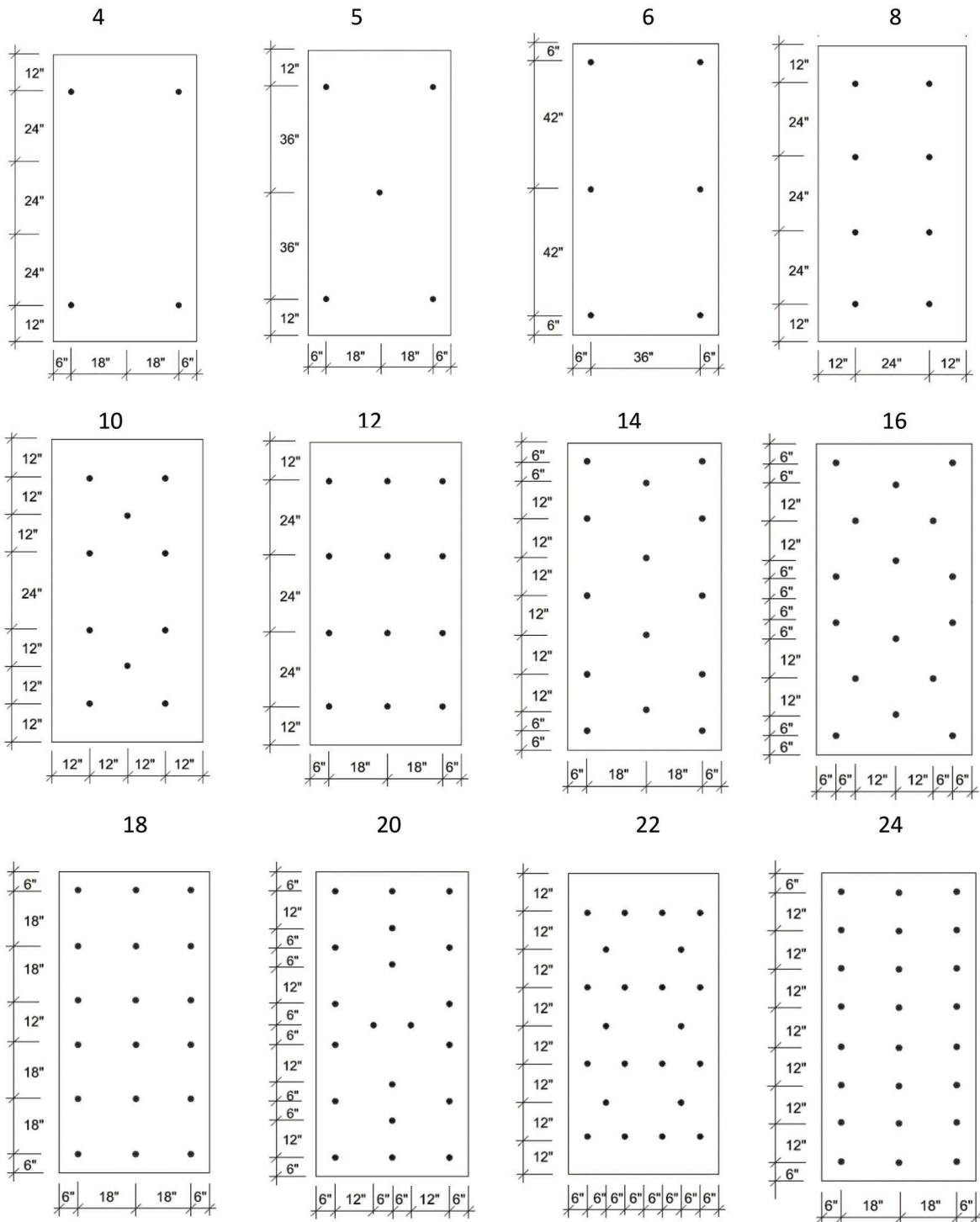
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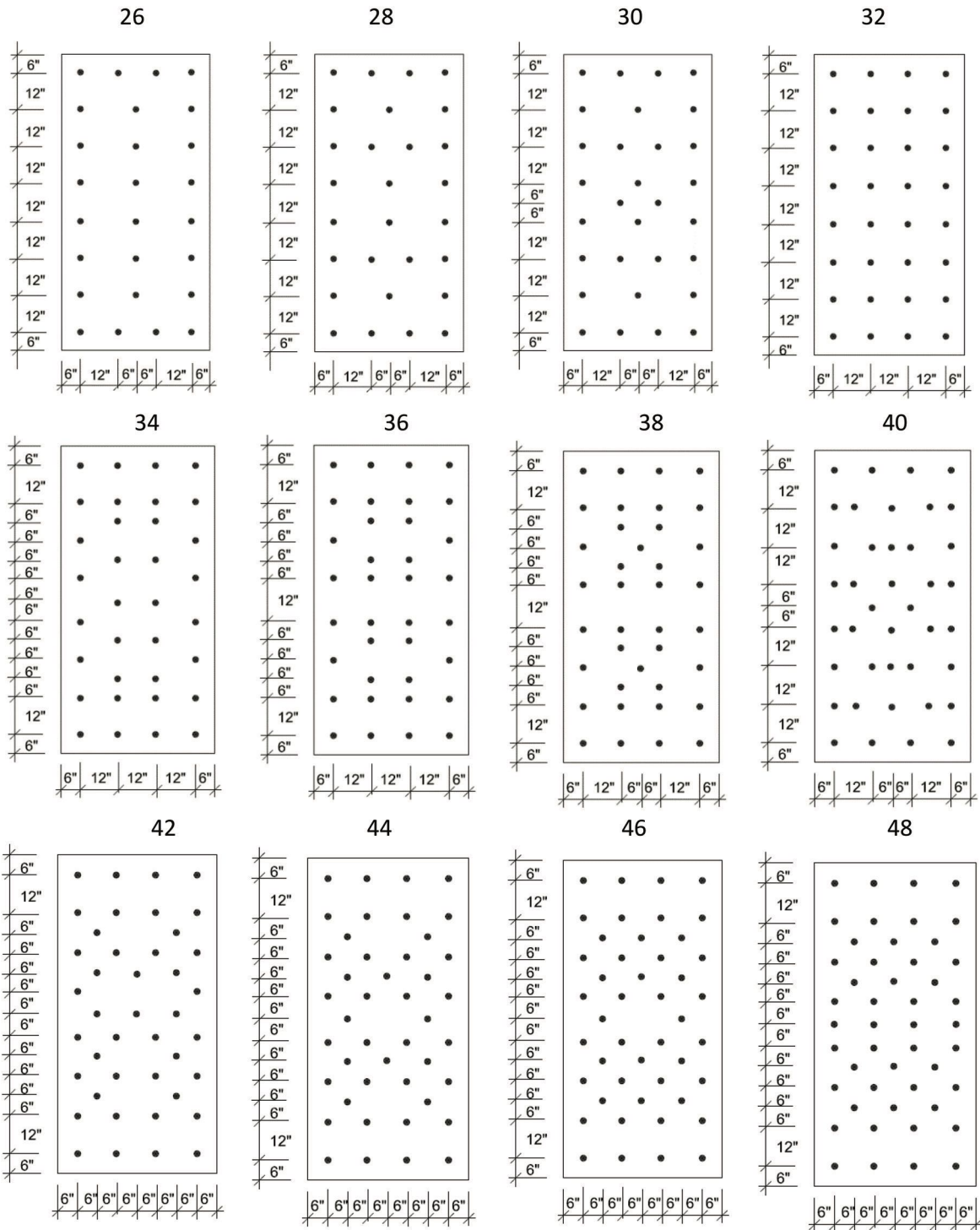
4' x 4' (1.2 m x 1.2 m) Boards (Cont.)



4' x 8' (1.2 m x 2.4 m) Boards



4' x 8' (1.2 m x 2.4 m) Boards (Cont.)



Details by Applicable System

DETAILS BY APPLICABLE SYSTEMS

EverGuard® TPO/PVC Architectural Roofing Details Manual

Detail Number	Detail Name	Mechanically Attached	Adhered	Ballast	Self-Adhered	RhinoBond®
100 Series - Field of Roof Details						
100E	Drill-Tec™ RhinoBond® Assembly Detail					X
101A	Roof Membrane Layout Detail	X				
101B	Roof Membrane Layout Detail		X	X	X	X
102A	Side Lap Detail	X				
102B	Side Lap Detail		X	X	X	X
102C	Side Lap Detail				X	
103A	Cover Strip End Lap Detail	X	X		X	
103B	End Lap Detail	X	X	X	X	
104A	End Lap Detail	X	X	X		
104B	End Lap Detail				X	
105A	T-Joint Cover Patch Detail	X	X	X		X
106	Roof Area Zone Layout Detail	X	X	X	X	X
107	Fastening Zones Locations over Steel Detail					X
108	Fastening Zones Locations over Wood Detail					X
110A	Ridge Detail	X				
110B	Ridge Detail		X	X	X	X
111A	Standard Fastening Pattern over Approved Steel and Concrete Decks Detail					X
111B	Standard Fastening Pattern over Wood Detail					X
112	Change of Plane Detail	X	X			X
113	Valley Detail	X	X			
113A	Valley Detail	X	X	X		
115	Cut Edge Sealant Detail	X	X	X	X	
116A	Membrane Edge Detail	X		X		

Details by Applicable System (Cont.)

Detail Number	Detail Name	Mechanically Attached	Adhered	Ballast	Self-Adhered	RhinoBond®
100 Series - Field of Roof Details						
120	Staggered Insulation Board Layout Detail					X
121	90 PSF Fastening Pattern Detail					X
122	120 PSF Fastening Pattern Detail					X
200 Series - Roof Edge Details						
202A	Coated Metal Roof Edge Detail	X	X		X	
202B	Roof Edge with TPO Cover Tape Detail	X	X		X	
204	Coated Metal Joint Detail	X	X		X	
205	Snap-on Fascia Roof Edge Detail - Option 1	X	X	X	X	
206	Snap-on Fascia Roof Edge Detail - Option 2	X	X	X	X	
208**	Termination Bar Roof Edge Detail	X	X		X	
211	Gutter with Coated Metal Edge Detail	X	X		X	
212**	Gutter with Termination Bar Detail	X	X		X	
213A	Cover Tape at Roof Edge Detail	X	X		X	
213B	Cover Tape at Roof Edge Detail	X	X		X	
214*	Cover Tape at Gutter Edge Detail	X	X		X	
214A*	Cover Tape at Gutter Edge Detail	X	X		X	
214B**	Cover Tape at Gutter Edge Detail					
215*	TPO Cover Tape Overlap at Roof Edge Detail	X	X		X	
215A*	Cover Tape Overlap at Roof Edge Detail	X	X		X	
215B**	Cover Tape Overlap at Roof Edge Detail	X	X		X	
216*	TPO Cover Tape at Metal Drip Edge Corner Detail	X	X	X	X	
216A*	Cover Tape at Roof Edge Corner Detail	X	X		X	
216B**	Cover Tape at Roof Edge Corner Detail	X	X		X	
217	Metal Edge Detail			X		
218**	Cover Tape HeatWeld Strip Overlap at Roof Edge Detail	X	X			

Details by Applicable System (Cont.)

Detail Number	Detail Name	Mechanically Attached	Adhered	Ballast	Self-Adhered	RhinoBond®
200 Series - Roof Edge Details						
219**	Cover Tape Heat-Weld Strip End Joint Detail	X	X		X	
220**	Cover Tape Heat-Weld Strip at Gutter Edge Detail	X	X		X	
221**	TPO Cover Tape Heat-Weld at Metal Drip Edge Corner Detail	X	X		X	
230	EZ Fascia Detail	X	X	X	X	X
231	EZ Fascia EX Detail	X	X	X	X	
233	Snap-On Fascia Detail	X	X	X	X	X
300 Series - Wall and Curb Details						
301	Parapet Wall Flashing with Counterflashing Detail	X	X	X	X	X
302	Wall/Curb Flashing with Termination Bar Detail	X	X	X	X	X
303	Wall Cap Detail	X	X	X	X	X
304	Wall Flashing with Coated Metal Edge Detail	X	X	X	X	X
307	Alternate Wall Base Termination Detail	X	X		X	
307A	Alternate Wall Base Termination Detail	X	X		X	
307B	Base Tie In at Angle Change Detail					X
308	Coated Metal Wall Flashing Detail	X	X	X	X	X
309	Wall Base Termination RapidSeam™ Detail				X	
310	Coated Metal Wall Flashing Joint Detail	X	X	X		
311	Coated Metal Wall Scupper Detail	X	X	X	X	
312	Threshold Flashing Detail	X	X	X	X	X
313	Wall Edge Flashing with Termination Bar Detail	X	X	X	X	
314	Vertical Wall Edge Termination with Coated Metal Detail	X	X	X	X	X
316**	Parapet Wall with Metal Edge and TPO Cover Tape Detail	X	X	X	X	X
317	Alternate High Wall Flashing Detail	X	X	X	X	

DETAILS BY APPLICABLE SYSTEMS

EverGuard® TPO/PVC Architectural Roofing Details Manual

Details by Applicable System (Cont.)

Detail Number	Detail Name	Mechanically Attached	Adhered	Ballast	Self-Adhered	RhinoBond®
300 Series - Wall and Curb Details						
317A	High Wall Flashing Detail - 10' (3.05 m) Sheet	X	X	X		
317B	High Wall Flashing Detail - 5' (1.52 m) Sheet	X	X	X		
317C	High Wall Flashing Detail - With Plates and Fasteners	X	X	X	X	
317D	High Wall Flashing Detail - Intermittent Fastening	X	X	X	X	
318A	Termination Details 1-3	X	X	X	X	X
318B**	Termination Details 4-5	X	X	X	X	X
319	Counterflashing Re-Roof Detail	X	X	X		
322	Scupper - Field Fabricated Open Top Detail	X	X	X	X	
323	Scupper - Field Fabricated Open Top - Overflow Detail	X	X	X	X	X
324	Scupper - Premanufactured Detail	X	X	X	X	
325	Corner Curb Wrap Detail	X	X	X	X	
326A	RTA Strip Inside Corner Reinforcement Detail		X	X	X	
326B	RTA Strip Outside Corner Reinforcement Detail		X	X	X	
326C	RTA Strip Base Tie-In Detail		X	X	X	
326D	RTA Strip Alternate Based Tie-In Detail		X	X	X	
327A	Inside Corner Reinforcement - Preformed Corner Detail	X	X	X	X	X
327B	Inside Corner Reinforcement - Preformed Corner Detail	X	X	X	X	X
327D	Inside Corner Reinforcement - Field Fabrication Detail	X	X	X	X	X
327F	Inside Corner Reinforcement - Field Fabrication Detail				X	
328A	Inside Corner Fabrication 2 Step Pig Ear Up Detail	X	X	X	X	X
328B	Inside Corner Fabrication 2 Step Pig Ear Down Detail	X	X	X	X	X

DETAILS BY APPLICABLE SYSTEMS

EverGuard® TPO/PVC Architectural Roofing Details Manual

Details by Applicable System (Cont.)

Detail Number	Detail Name	Mechanically Attached	Adhered	Ballast	Self-Adhered	RhinoBond®
300 Series - Wall and Curb Details						
329A	Outside Corner Reinforcement - Preformed Corner Detail	X	X	X	X	X
329B	Outside Corner Reinforcement - Fluted Corner Detail	X	X	X	X	X
329C	Outside Corner Reinforcement - Universal Corner Detail	X	X	X	X	X
330	RapidSeam™ Technology Strip-in Detail				X	
341	Raised Door Sill Flashing Detail	X	X	X	X	X
342	Low Door Sill Flashing Detail	X	X	X	X	X
343	Flush Door Sill Flashing Detail	X	X	X	X	X
345	Window Sill Flashing Detail	X	X	X	X	X
400 Series - Expansion Joint Details						
401A	Factory Fabricated Wall Expansion Joint - Flat Type	X	X	X	X	X
401B	Field Fabricated Expansion Joint - Flat Type Detail	X	X	X		X
401C	PVC Metalastic Expansion Joint - Flat Type Detail	X	X	X	X	X
402A	TPO Factory Fabricated Expansion Joint - Curb Type Detail	X	X	X	X	X
402B	Field Fabricated Expansion Joint - Curb Type Detail	X	X	X		X
402C	PVC Metalastic Expansion Joint - Curb Type Detail	X	X	X	X	X
403A	TPO Factory Fabricated Wall Expansion Joint - Flat Type Detail	X	X	X	X	X
403B	Field Fabricated Wall Expansion Joint Detail - Flat Type Detail	X	X	X	X	X
403C	PVC Metalastic Wall Expansion Joint - Flat Type Detail	X	X	X	X	X
404A	TPO Factory Fabricated Wall Expansion Joint - Curb Type Detail	X	X	X	X	X
404B	Field Fabricated Wall Expansion Joint - Curb Type Detail	X	X	X	X	X
404C	PVC Metalastic Wall Expansion Joint - Curb Type Detail	X	X	X	X	X

DETAILS BY APPLICABLE SYSTEMS

EverGuard® TPO/PVC Architectural Roofing Details Manual

Details by Applicable System (Cont.)

Detail Number	Detail Name	Mechanically Attached	Adhered	Ballast	Self-Adhered	RhinoBond®
500 Series - Roof Penetration Details						
503A	Termination at R.T.U. with Welded Lap Detail	X	X	X	X	X
503B	Termination at Existing R.T.U. with Counterflashing Detail	X	X	X	X	X
505	Roof Hatch Detail	X	X	X	X	X
506A	Premolded Vent Boot Flashing Detail	X	X	X	X	X
507	Field-Wrapped Penetration Flashing Detail	X	X	X	X	X
508	High Temperature Stack Flashing Detail	X	X	X	X	X
509	Coated Metal Sealant Box Penetration Flashing Detail	X	X	X	X	X
511	Exposed Wood Equipment Support Sleeper Detail	X	X	X	X	X
512	Concealed Wood Equipment Support Detail	X	X	X	X	X
513	Drain Standard Drain Flashing Detail	X	X	X	X	X
514	Drain EverGuard® TPO Coated Drain Detail	X	X	X	X	X
515	Drain Hercules® Coated Metal Drain Detail	X	X	X	X	X
516	Drain OMG® SpeedTite™ Coated Metal Drain Detail	X	X	X	X	X
518	Drain - Severe Sump Target Detail	X	X	X		
519	Drain - Pre Target Detail	X	X	X	X	
520	Drain - Post Target Detail	X	X	X	X	X
522	Preformed Penetration Flashing Detail	X	X	X	X	X
524	Split Pipe Boot Detail	X	X	X	X	
525A	Pourable Sealant Pocket Detail	X	X	X	X	X
525B	Pourable Sealer Pocket Detail	X	X	X	X	X
526A	Non-Split Conical Pipe Boot Detail	X	X	X	X	X
526B	Split Conical Pipe Boot Detail	X	X	X	X	X
527	Square Tube Wrap Detail	X	X	X	X	X
528	TPO Vent Detail	X	X	X	X	X
530	TPO T-TOP Vent Detail	X	X	X	X	X

Details by Applicable System (Cont.)

Detail Number	Detail Name	Mechanically Attached	Adhered	Ballast	Self-Adhered	RhinoBond®
600 Series - Special Construction Details						
601A	Steep-Slope Tie-In Detail	X	X	X	X	X
601B	PVC Steep-Slope Tie-In Detail	X	X	X	X	X
602	Curb Type Tie-In at Flat Roof Detail	X	X	X	X	X
603	Paver Walkway Installation Detail			X		
604	Heat-Welded Walkway Installation Detail	X	X	X	X	X
605	Adhered Looped Lighting Suppression Mounting Detail	X	X	X	X	X
607	Wall Mounted Air Terminal Base Detail	X	X	X	X	X
608	Satellite Dish Mounting Detail	X	X	X	X	X
609A	TPO to Existing EPDM Detail	X	X	X	X	
609B	TPO to Existing EPDM Detail - Alternate Detail	X	X	X	X	X

* 15-Year Max Guarantee Length

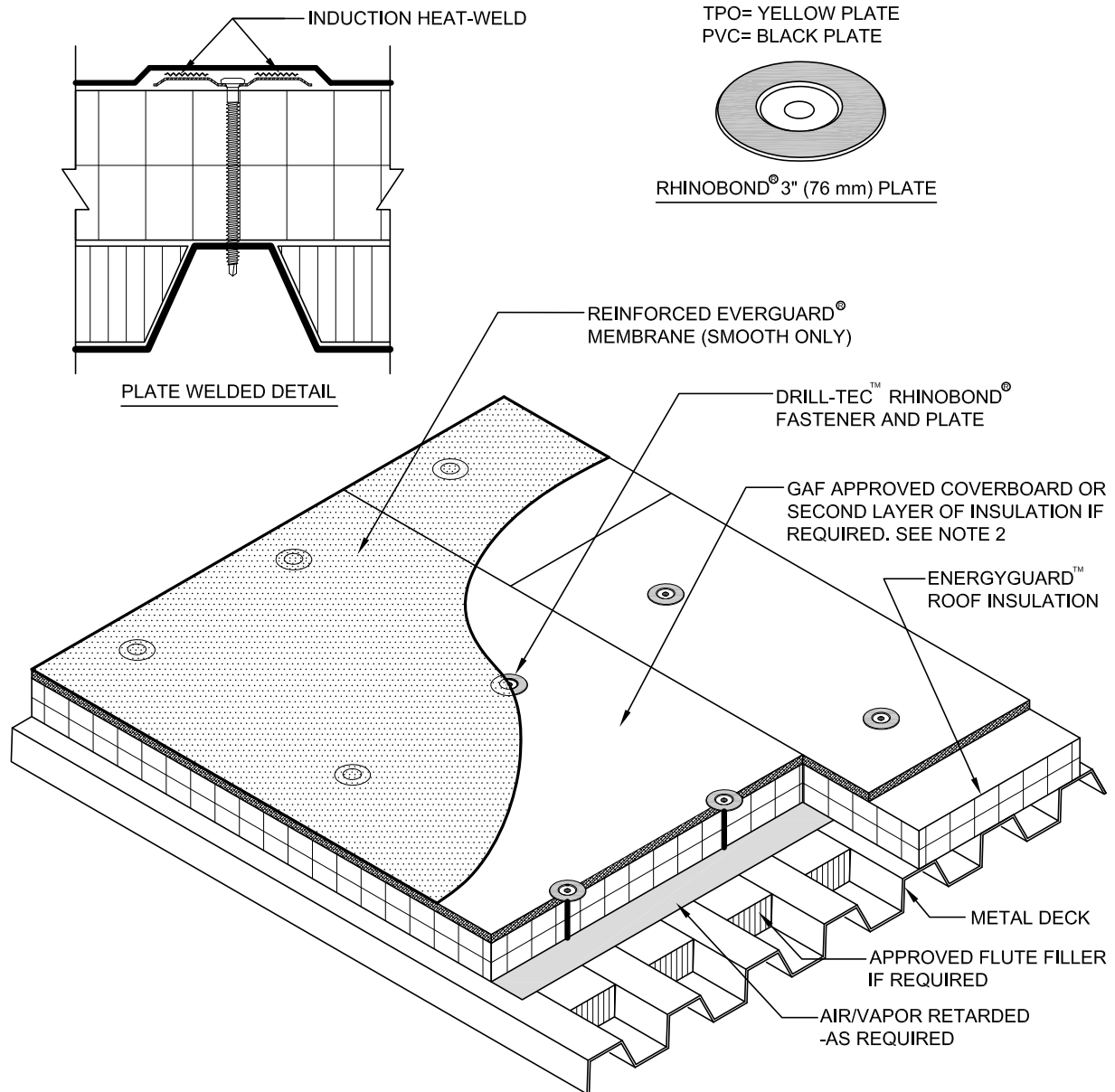
** 20-Year Max Guarantee Length

100 Series Field of Roof Details



Quick access to installation videos and detail drawings for EverGuard® single-ply systems.

Visit http://www.gaf.com/roofing/commercial/smart_details for further information.



NOTE:

1. REFER TO THE DRILL-TEC™ RHINO BOND® ATTACHMENT TABLES FOR DETAILED INSTALLATION REQUIREMENTS REGARDING DECK TYPE, PLATE & FASTENER TYPE, AND MIN. EMBEDMENT.
2. TOP LAYER OF INSULATION DOES NOT HAVE TO BE STAGGERED IF BASE LAYER IS STAGGERED.



DRAWING #
100E

SCALE
N.T.S.

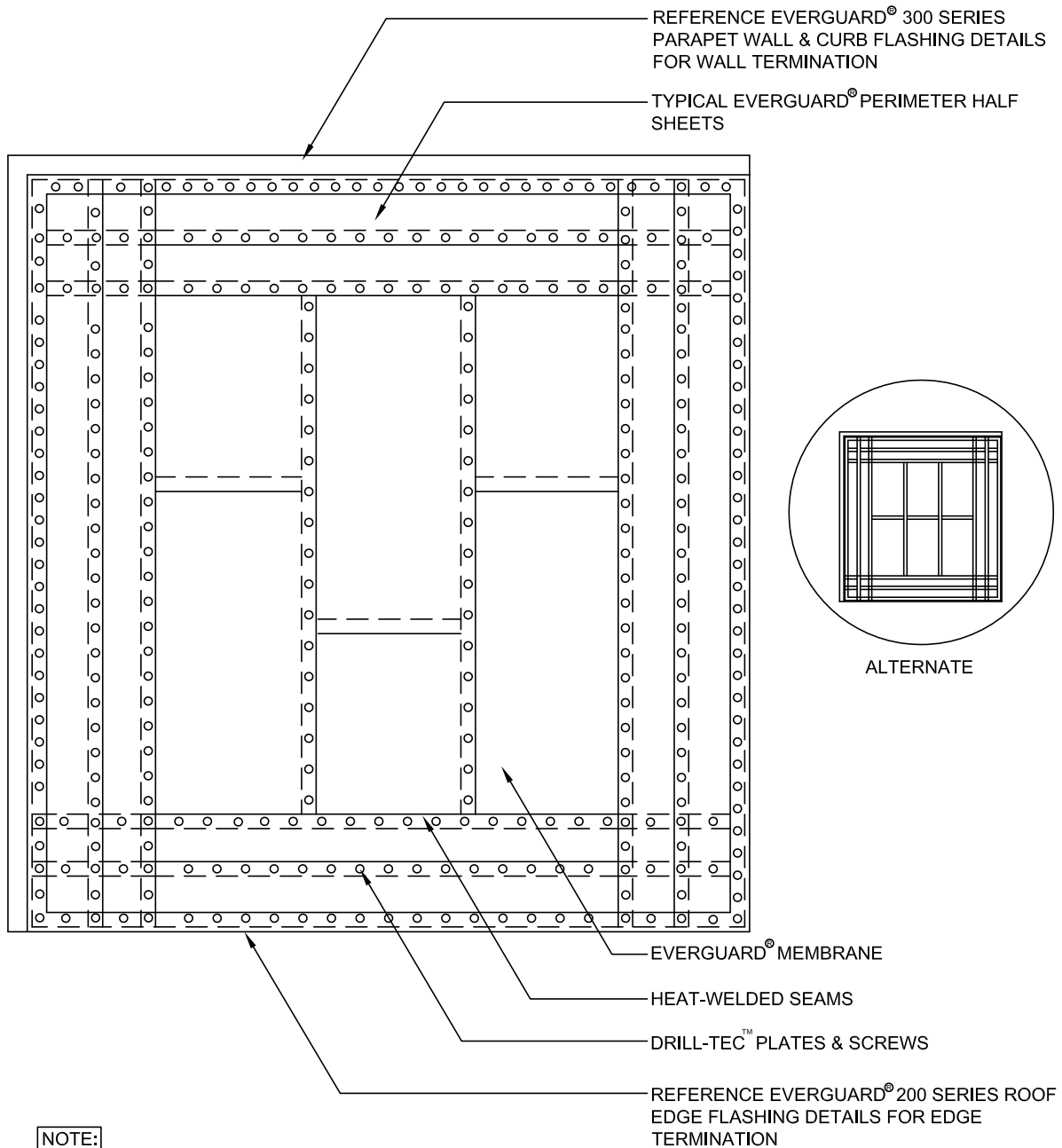
**DRILL-TEC™ RHINO BOND® ASSEMBLY
DETAIL**

THIS DETAIL APPLIES TO:
**RHINO BOND®
ATTACHMENT
SYSTEMS**

REVISION DATE
11-15-16

ARCHITECTURAL DETAIL DRAWINGS

EverGuard® TPO/PVC Architectural Roofing Details Manual



NOTE:

1. SEE EVERGUARD® MECHANICALLY ATTACHED SYSTEM GUIDELINES 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.



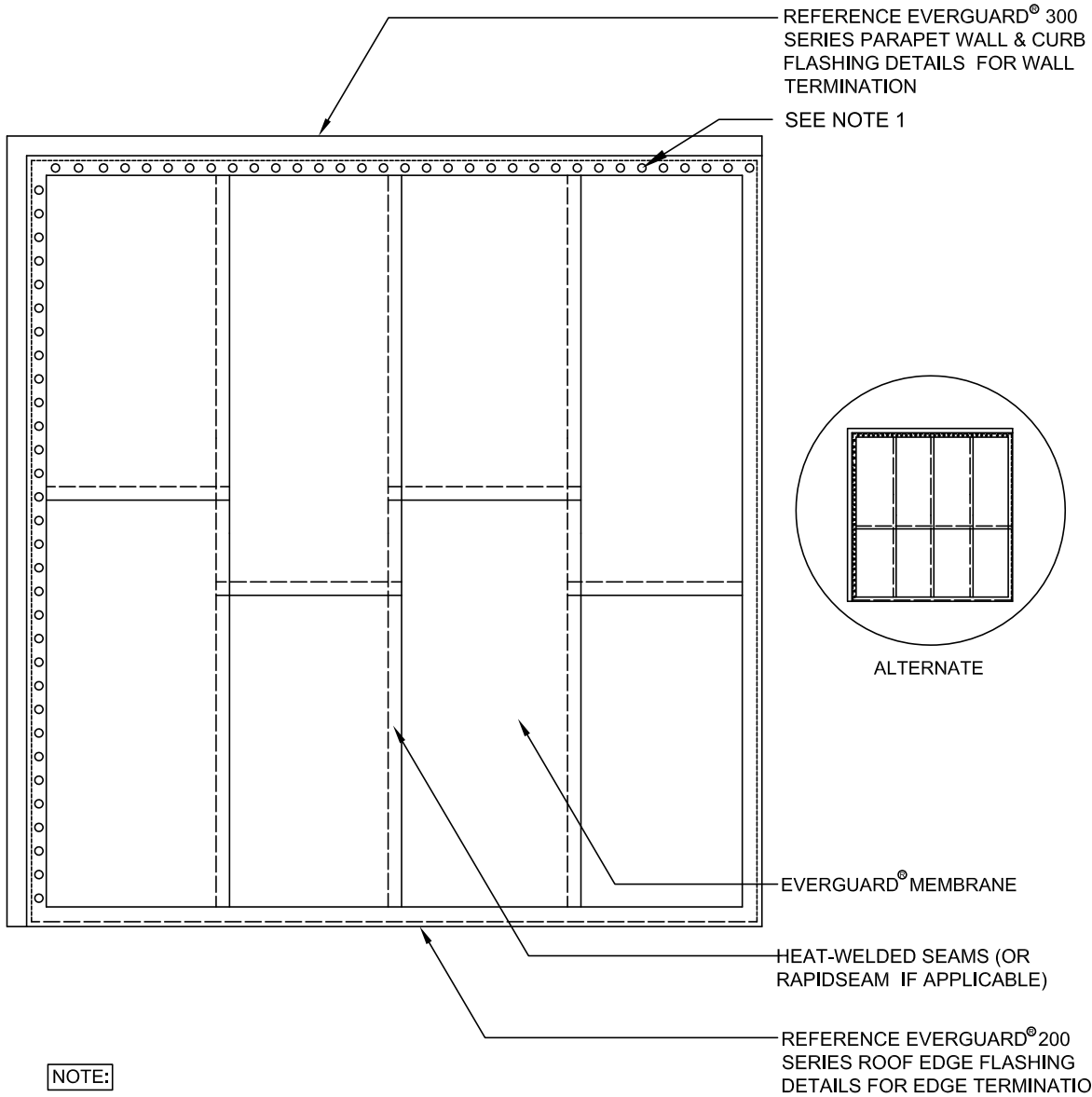
EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

DRAWING #
101A
SCALE
N.T.S.

ROOF MEMBRANE LAYOUT DETAIL

THIS DETAIL APPLIES TO:
**Mechanically
Attached Systems**

REVISION DATE
6-15-17



NOTE:

1. SEE EVERGUARD® SYSTEM GUIDELINES IN APPROPRIATE MINI MANUAL TO DETERMINE PERIMETER AND PENETRATION FASTENER SPACING FOR VARIOUS DECK TYPES AND WIND UPLIFT REQUIREMENTS.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY ATTACHED SYSTEMS ONLY.



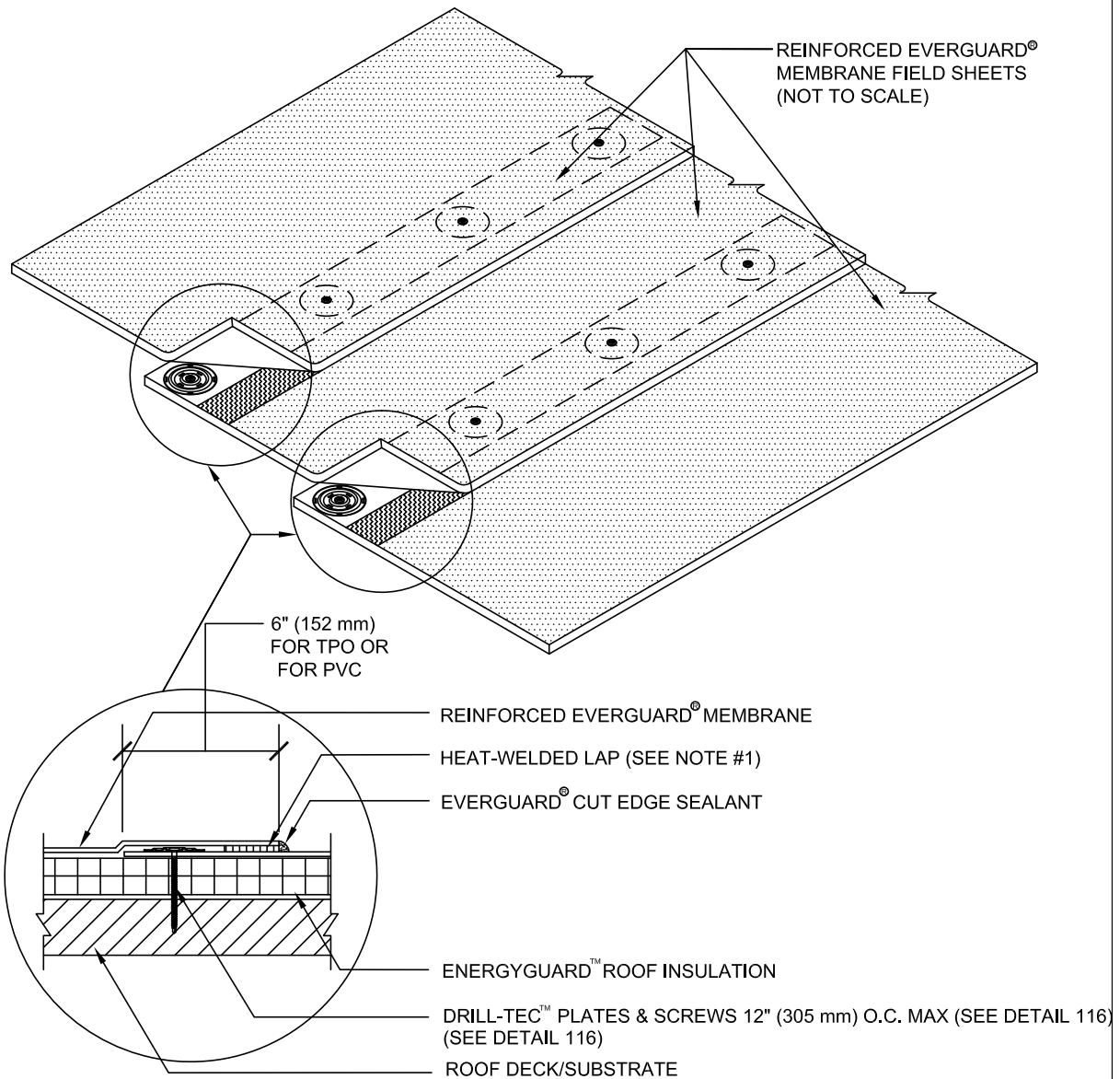
EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

DRAWING #
101B
SCALE
N.T.S.

ROOF MEMBRANE LAYOUT DETAIL

THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
RhinoBond Systems
Self - Adhered Systems

REVISION DATE
6-26-17



NOTE:

1. FOR HEAT-WELDING LAPS USE 1.5" MAX (25.4 mm) WELD WITH MACHINE AUTOMATIC WELDER AND 1.5" (127 mm) WELD WITH HAND WELDER.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

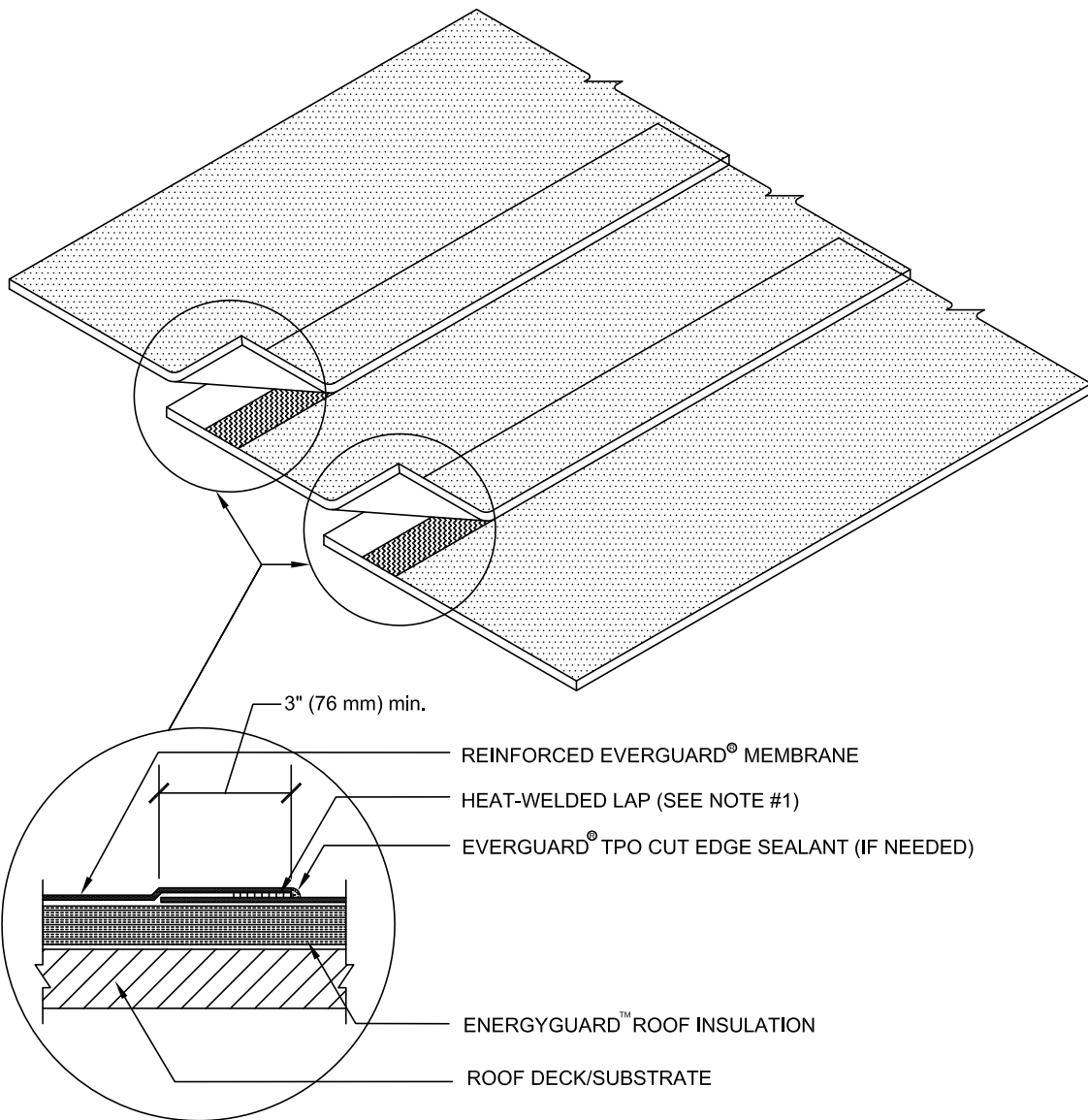
DRAWING #
102A

SCALE
N.T.S.

SIDE LAP DETAIL

THIS DETAIL APPLIES TO:
**Mechanically
Attached Systems**

REVISION DATE
6-20-16



NOTE:

1. FOR HEAT-WELDING LAPS USE 1.5" MAX (25.4 mm) WELD WITH MACHINE AUTOMATIC WELDER AND 1.5" (127 mm) WELD WITH HAND WELDER.
2. FOR SELF-ADHERING MEMBRANE, THIS DETAIL DOES NOT APPLY TO RAPIDSEAM™ TECHNOLOGY MEMBRANE.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

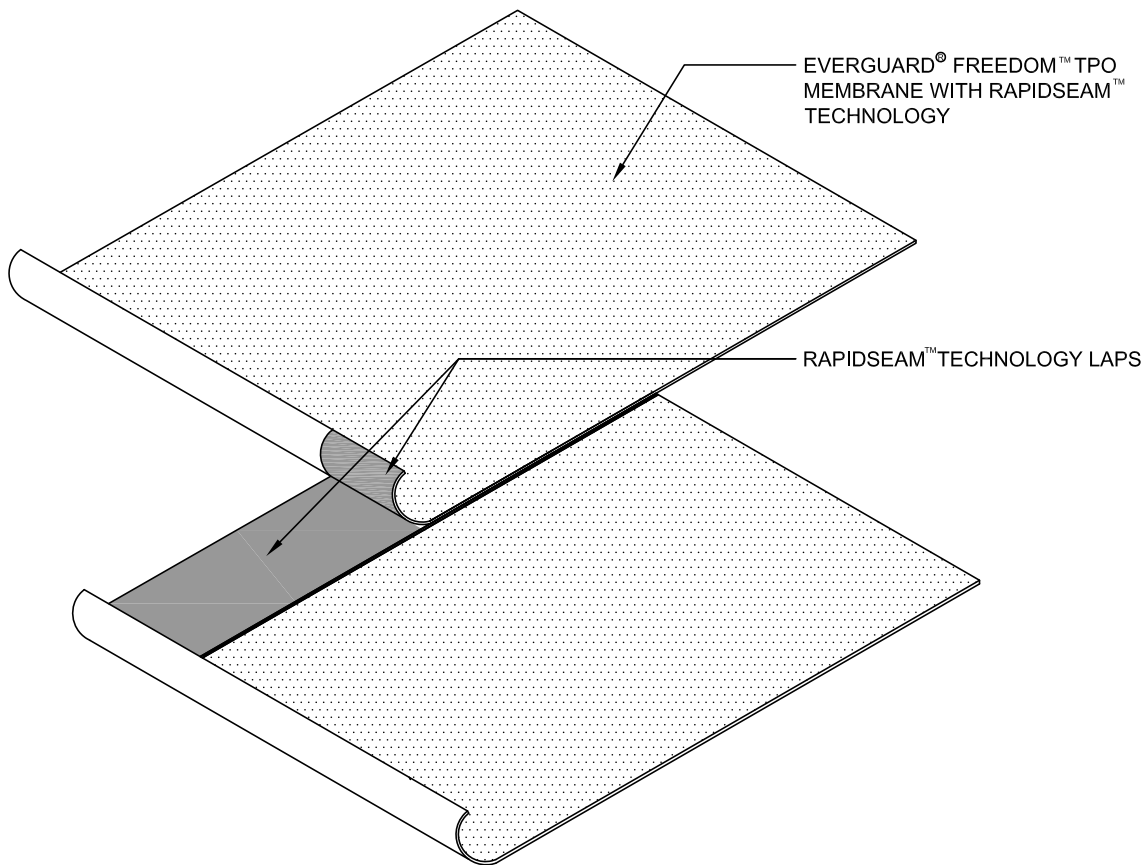
DRAWING #
102B

SCALE
N.T.S.

SIDE LAP DETAIL

THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
RhinoBond Systems
Self - Adhered Systems
(Heat-weld only)

REVISION DATE
6-20-16



NOTE:

1. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, UP TO 10-YR. MAXIMUM GUARANTEE ONLY.
2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

DRAWING #
102C
SCALE
N.T.S.

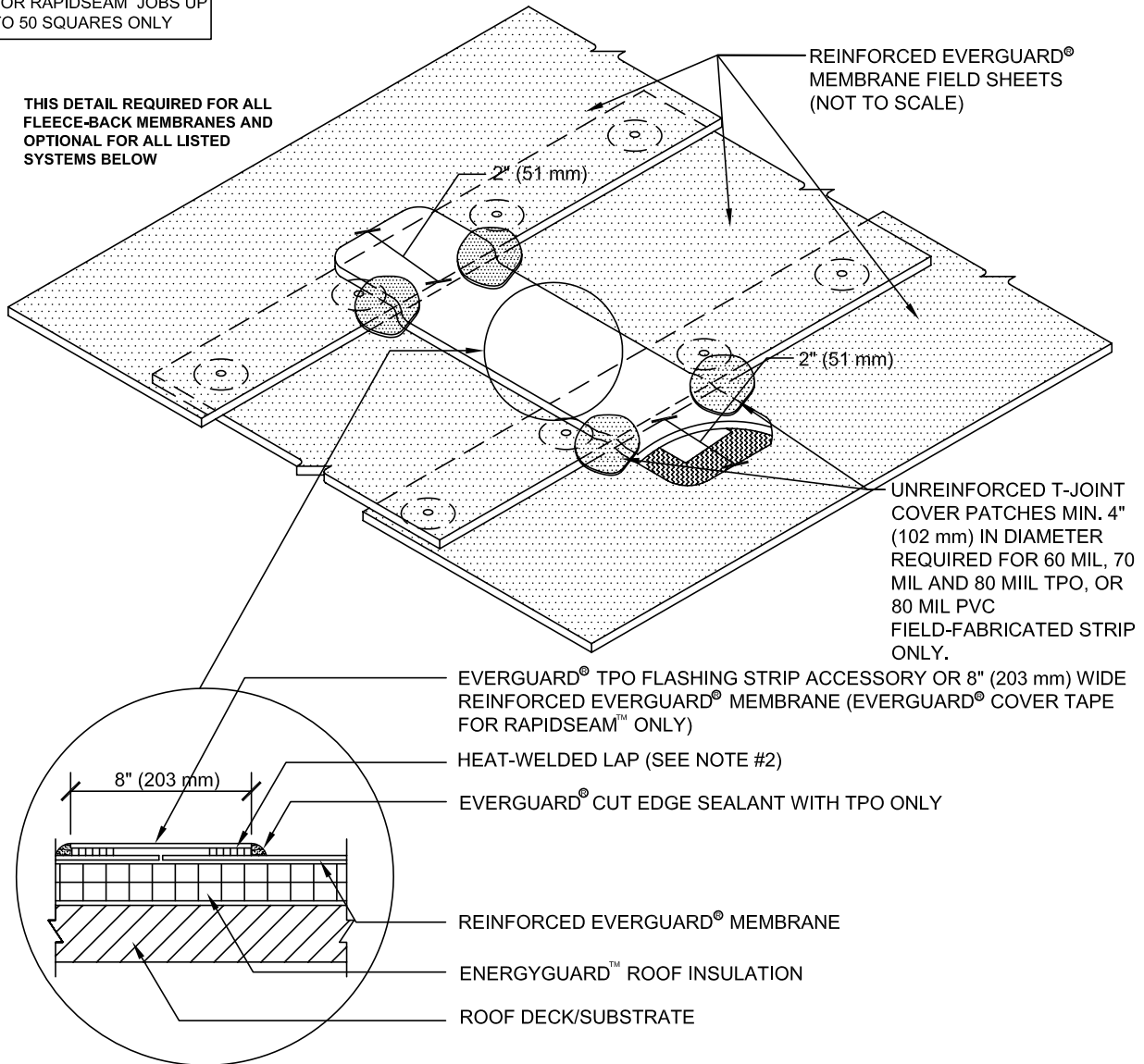
FACTORY SEAM SIDE LAP DETAIL
RAPID SEAM™ TECHNOLOGY

THIS DETAIL APPLIES TO:
**Self-Adhered
Systems**
(RAPIDSEAM™ TECHNOLOGY
MEMBRANE ONLY)

REVISION DATE
1-1-16

FOR RAPIDSEAM™ JOBS UP
TO 50 SQUARES ONLY

THIS DETAIL REQUIRED FOR ALL
FLEECE-BACK MEMBRANES AND
OPTIONAL FOR ALL LISTED
SYSTEMS BELOW



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. IN SELF-ADHERED SYSTEMS, MEMBRANE MUST BE PRIMED AND DRY PRIOR TO APPLYING 6" (152mm) DOUBLE SIDED TAPE.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

DRAWING #

103A

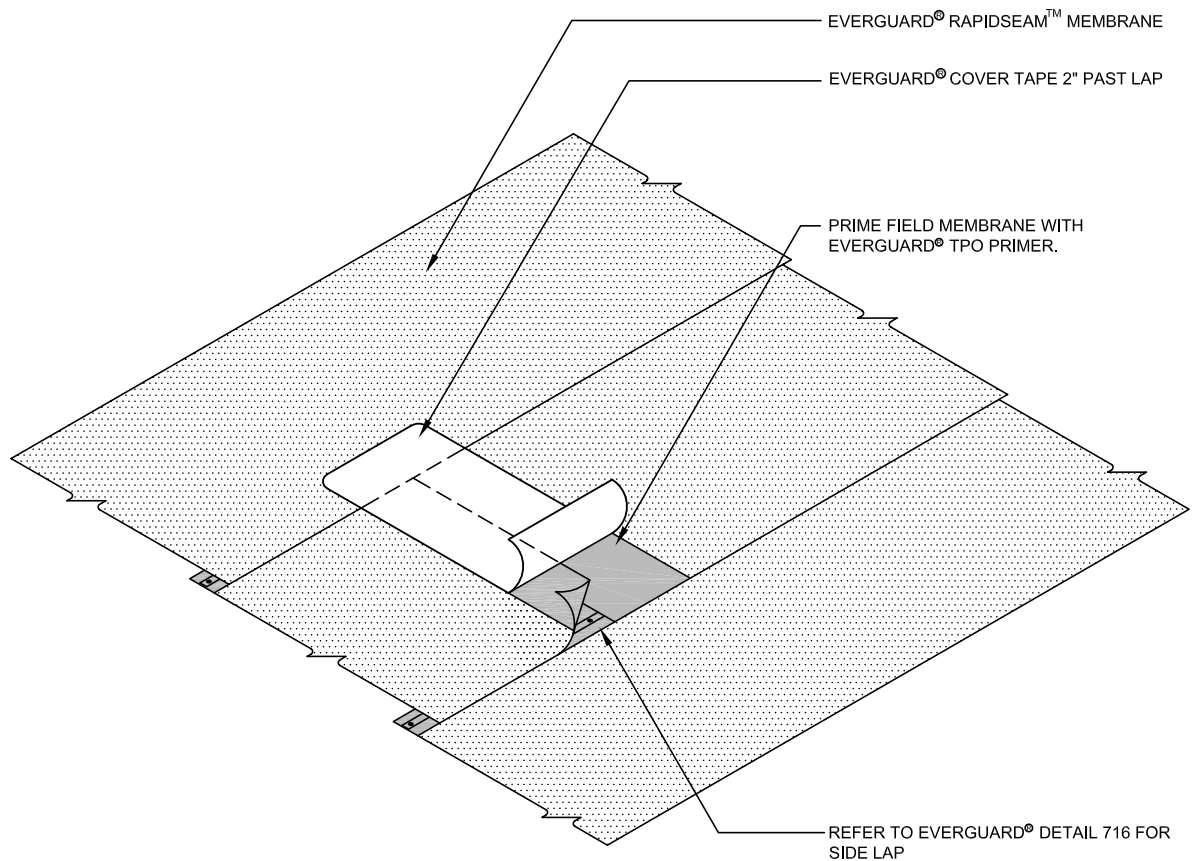
SCALE
N.T.S.

COVER STRIP END LAP DETAIL

THIS DETAIL APPLIES TO:

Adhered Systems
Self-Adhered Systems
Mechanically Attached Systems

REVISION DATE
12-12-17



NOTE:

1. APPLY FLEXSEAL™ CAULK GRADE SEALANT TO ALL EVERGUARD® STRIP-IN TAPE EDGES.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

DRAWING #
103B

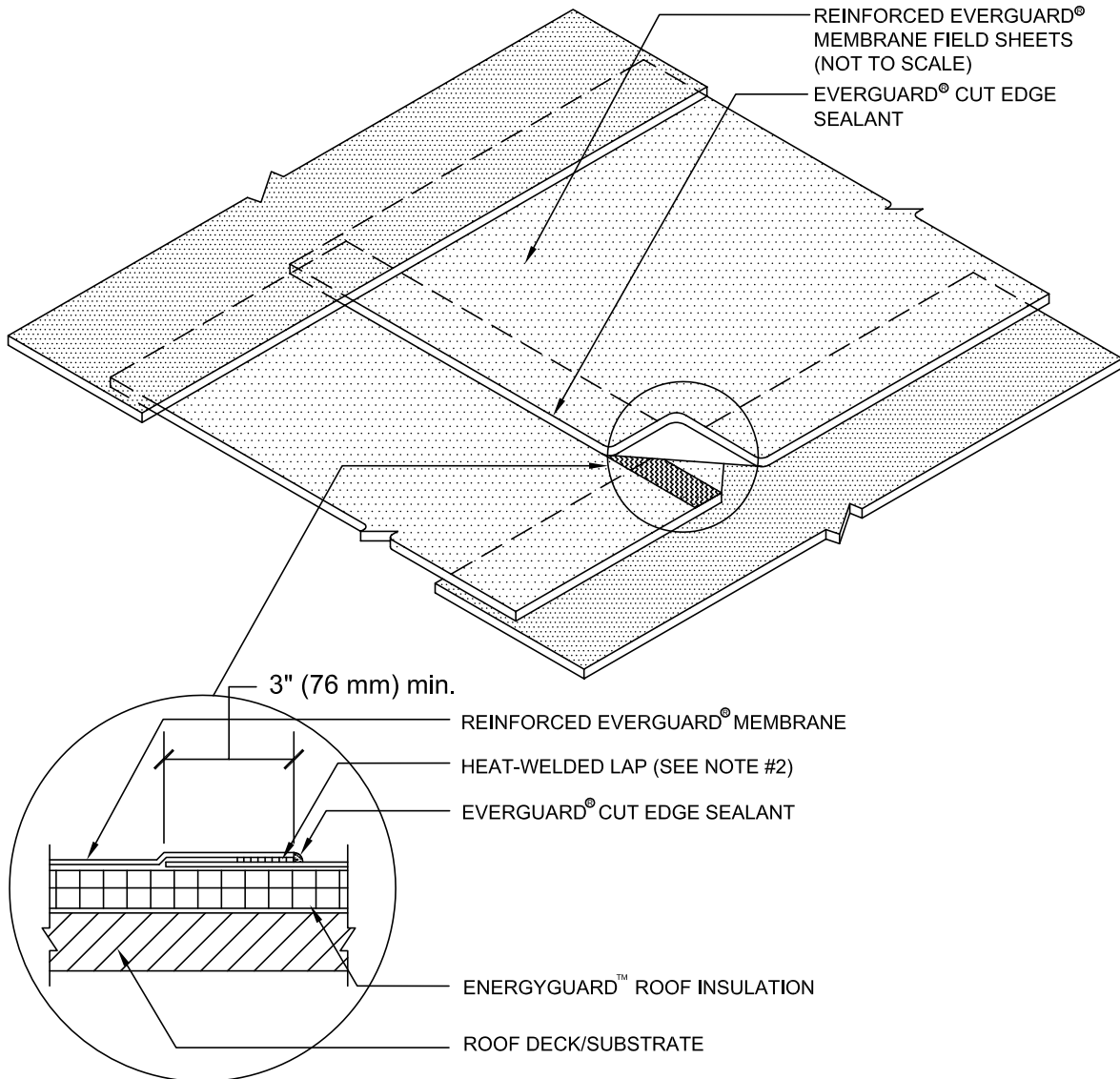
SCALE
N.T.S.

END LAP DETAIL

TPO ONLY

THIS DETAIL APPLIES TO:
RapidSeam™
Systems

REVISION DATE
10-3-17



NOTE:

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" MAX (25.4 mm) WELD WITH AUTOMATIC MACHINE WELDER AND 2" WELD WITH HAND WELDER.
3. FOR SELF-ADHERED HEAT-WELDED SYSTEMS, UP TO 15-YR. MAXIMUM GUARANTEE ONLY.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

DRAWING #
104A

SCALE
N.T.S.

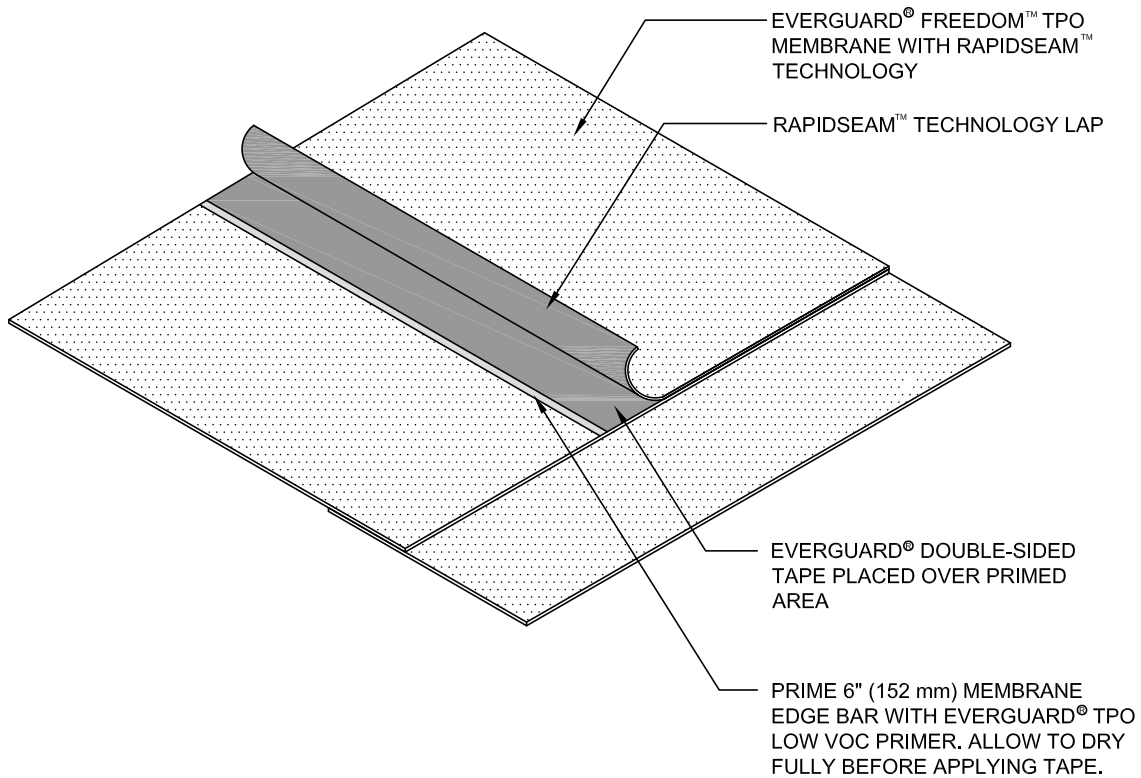
END LAP DETAIL

FOR 45 MIL TPO AND 50 & 60 MIL PVC MEMBRANE ONLY

THIS DETAIL APPLIES TO:

Adhered Systems
Ballasted Systems
Mechanically Attached Systems

REVISION DATE
12-12-17



NOTE:

1. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, UP TO 10-YR. MAXIMUM GUARANTEE ONLY.
2. MEMBRANE MUST BE PRIMED AND DRY PRIOR TO APPLYING EVERGUARD® DOUBLE-SIDED TAPE.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

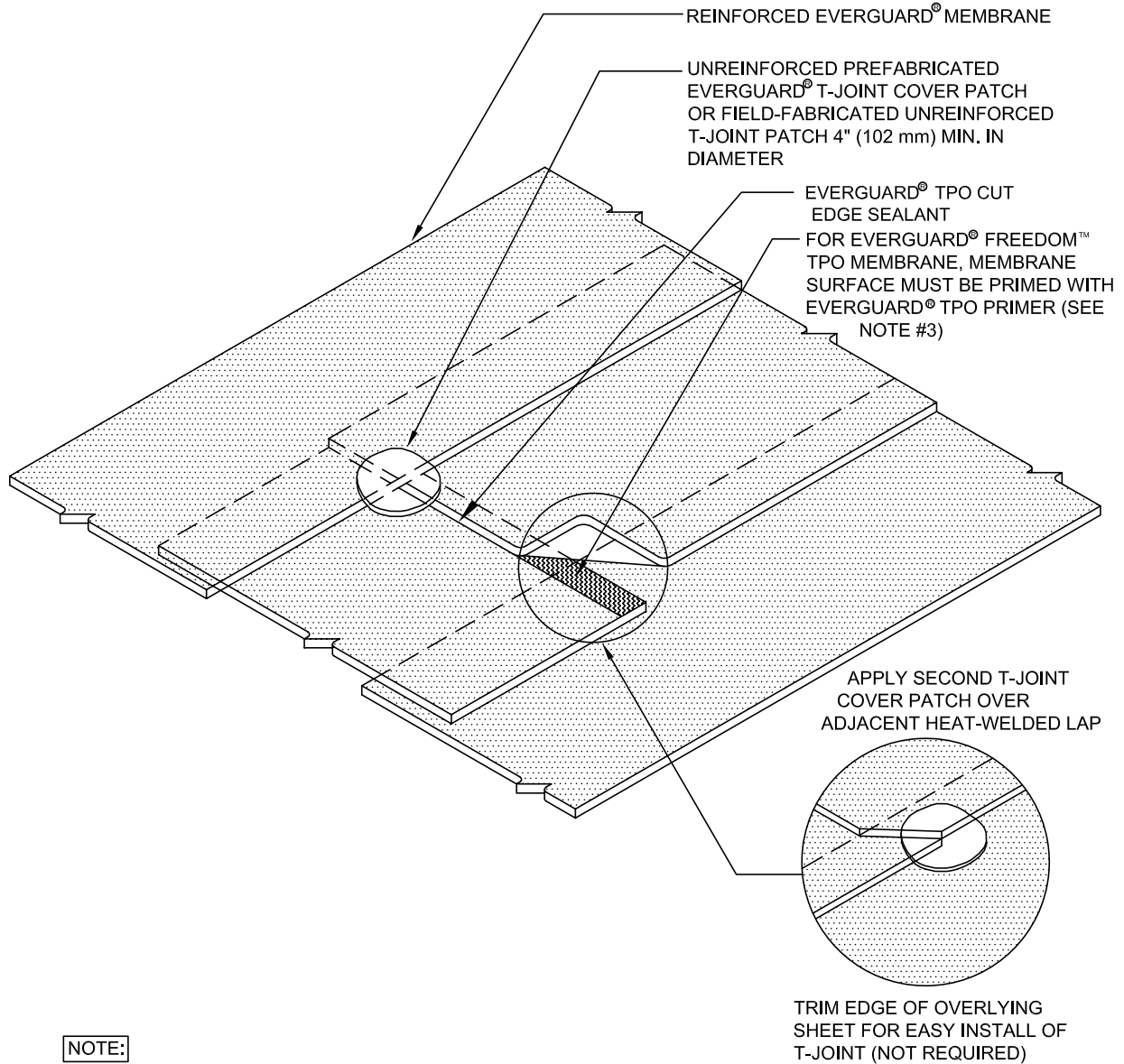
DRAWING #
104B

SCALE
N.T.S.

END LAP DETAIL
RAPID SEAM™ TECHNOLOGY

THIS DETAIL APPLIES TO:
**Self-Adhered
Systems**
(RAPIDSEAM™ TECHNOLOGY
MEMBRANE ONLY)

REVISION DATE
9-20-16



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. T-JOINT IS TO BE USED FOR 60, 70 & 80 MIL TPO AND 80 MIL PVC ONLY.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

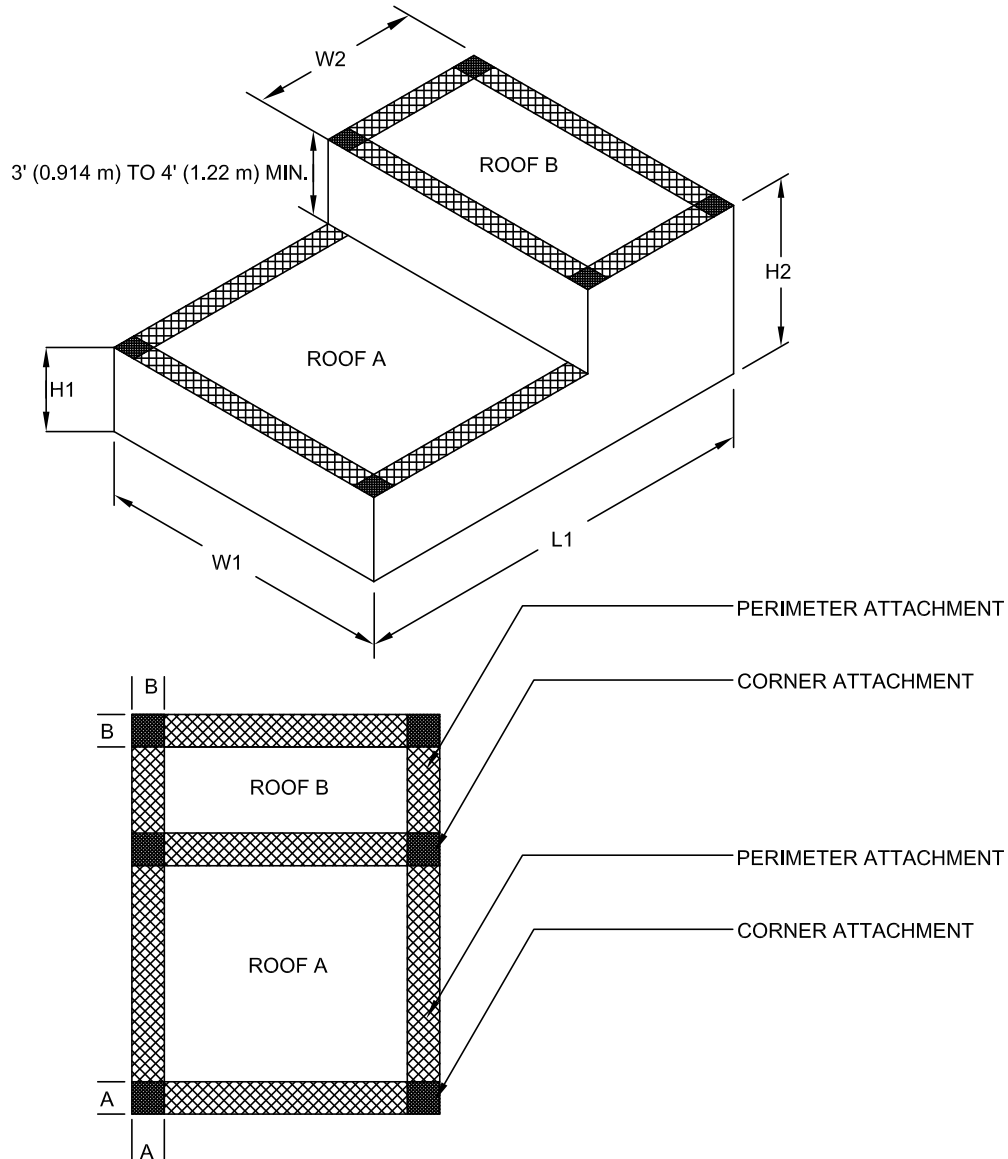
DRAWING #
105A
SCALE
N.T.S.

T-JOINT COVER PATCH DETAIL

FOR 60 THRU 80 MIL TPO AND 80 MIL PVC MEMBRANES ONLY

THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
RhinoBond Systems
Mechanically Attached Systems

REVISION DATE
6-26-17



NOTE:

1. WIDTH OF PERIMETER TREATMENT (A OR B) SHALL BE 10% OF THE BUILDING'S NARROWEST WIDTH (W) OR 40% OF THE BUILDING EAVE HEIGHT (H), WHICHEVER IS LESS, WITH 4' (1.22 m) BEING THE MIN. FOR STANDARD GAF GUARANTEE REQUIREMENTS. SEE HALF-SHEET REQUIREMENTS IN MECHANICALLY ATTACHED SECTION.
2. FOR ADHERED, SELF-ADHERED, AND RHINOBOND SYSTEMS, SEE INSULATION TABLE FOR ENHANCEMENTS.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

DRAWING #
106

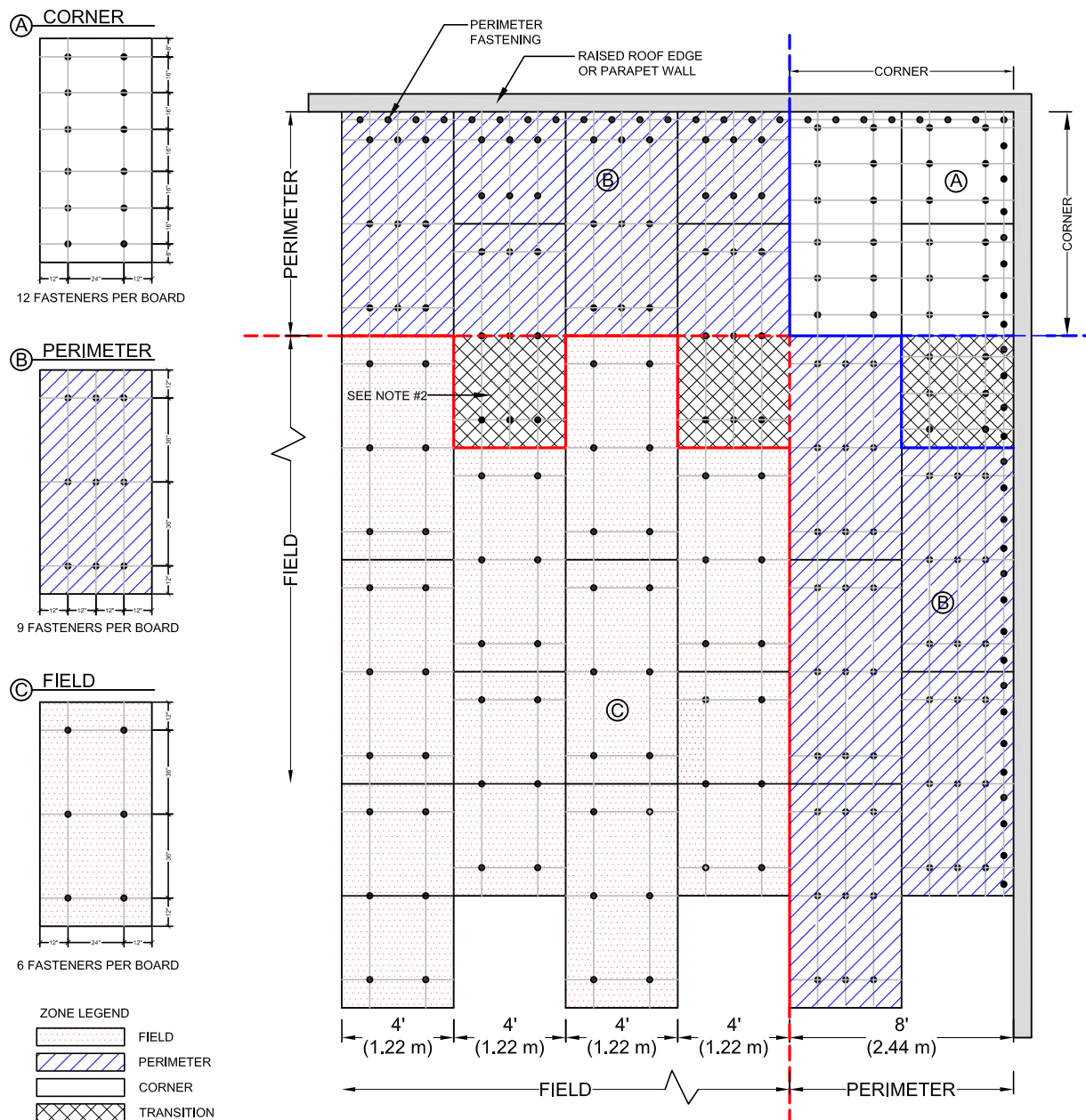
SCALE
N.T.S.

ROOF AREA ZONE LAYOUT DETAIL

THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
Mechanically Attached Systems
Self-Adhered Systems
RhinoBond Systems

REVISION DATE
6-1-16

ARCHITECTURAL DETAIL DRAWINGS
EverGuard® TPO/PVC Architectural Roofing Details Manual



1. SEE EVERGUARD® SYSTEM GUIDELINES IN SPEC MANUAL TO DETERMINE PERIMETER AND PENETRATION FASTENER SPACING FOR VARIOUS DECK TYPES AND WIND UPLIFT REQUIREMENTS.
2. IF A PORTION OF A BOARD EXTENDS INTO ANOTHER ZONE, IT MUST DEFER TO THE ZONE OF THE GREATER FASTENING PATTERN.

1 Campus Drive
Parsippany, NJ 07054
www.gaf.com

DRAWING #

SCALE
N.T.S.

OVER APPROVED STEEL & CONCRETE DECKS

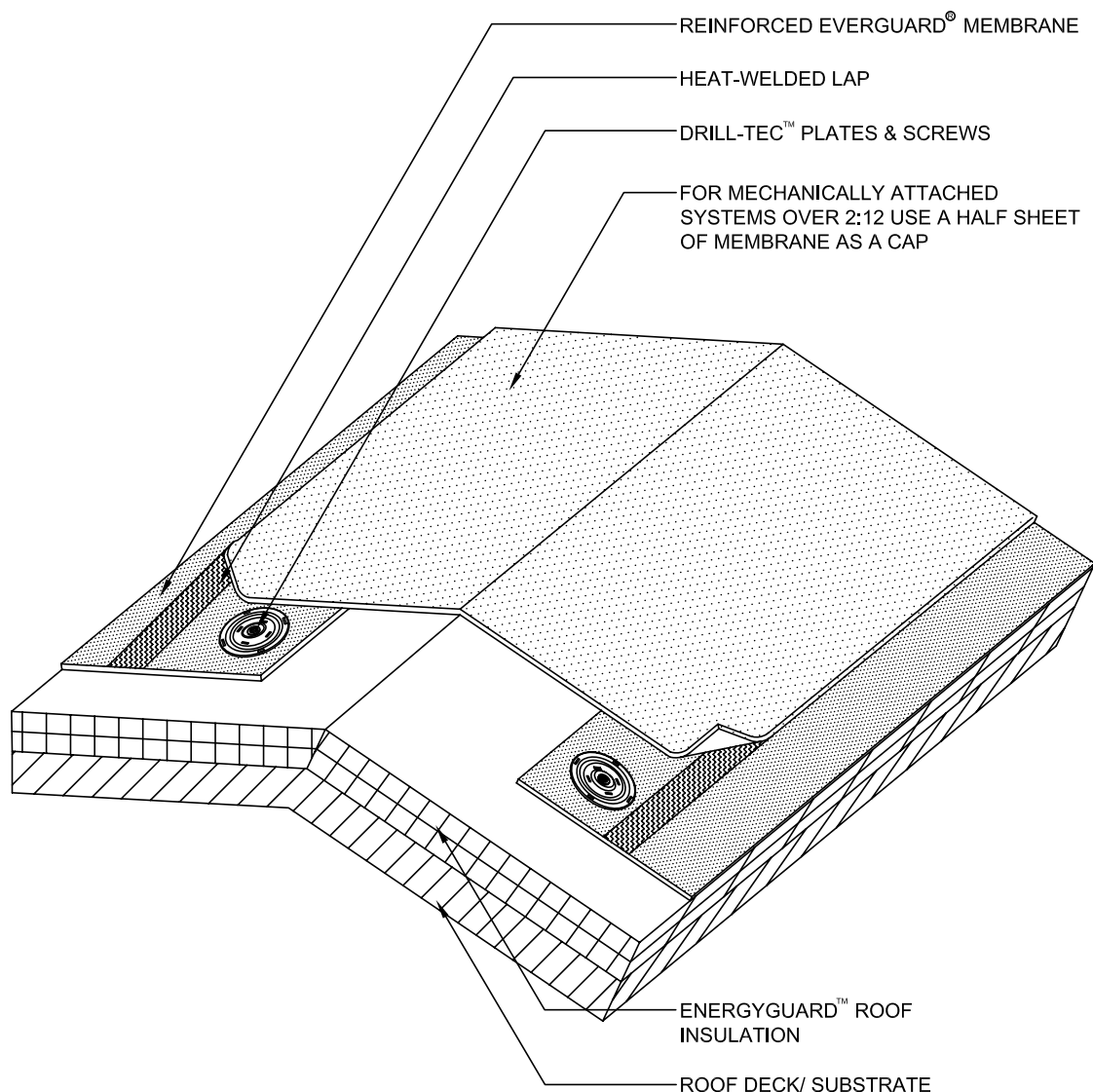
REVISION DATE
12-12-17

100 Series Field of Roof



- 

REVISION DATE
12-12-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. DO NOT RUN CAP SHEET INTO THE PERIMETER HALF SHEET REGION IN MECHANICALLY ATTACHED SYSTEMS.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

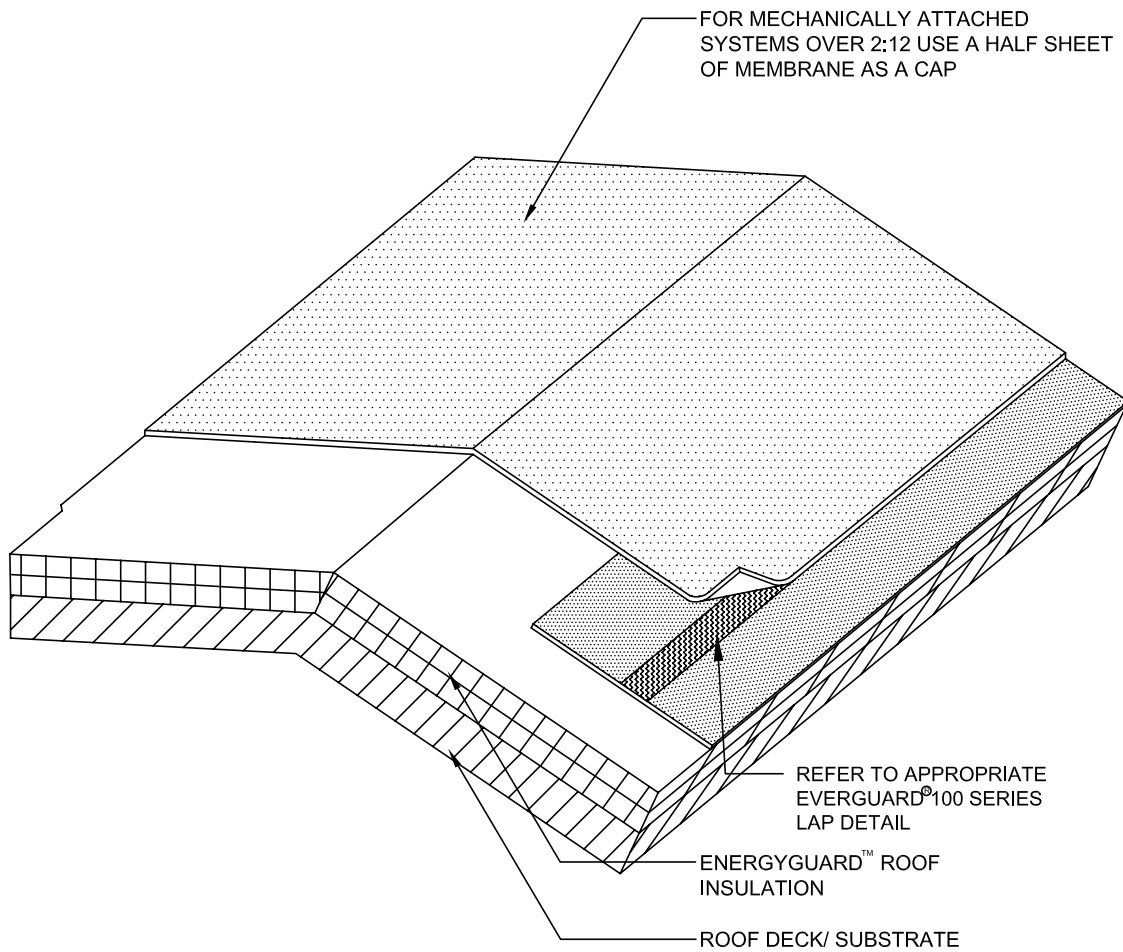
DRAWING #
110A

SCALE
N.T.S.

RIDGE DETAIL



THIS DETAIL APPLIES TO:
**Mechanically
Attached Systems**

REVISION DATE
6-20-16

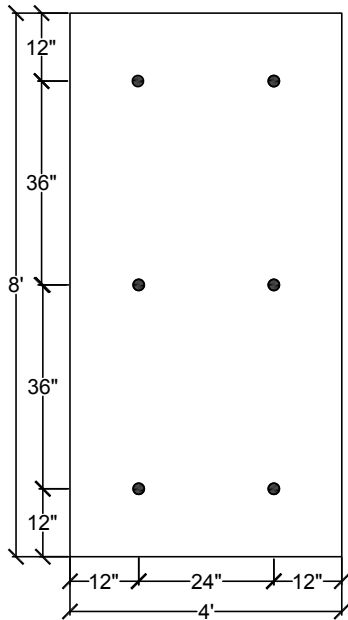


NOTE:

1. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).

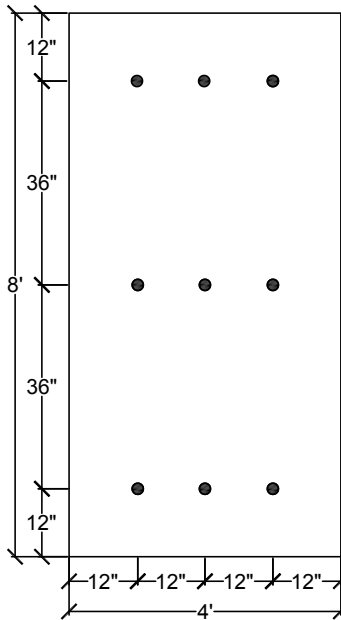
 www.gaf.com 1 Campus Drive, Parsippany, NJ 07054	 FIELD OF ROOF SERIES	DRAWING # 110B	RIDGE DETAIL	THIS DETAIL APPLIES TO: RhinoBond Systems Self-Adhered Systems Adhered Systems Ballasted Systems
		SCALE N.T.S.		REVISION DATE 6-20-16

FIELD AREA



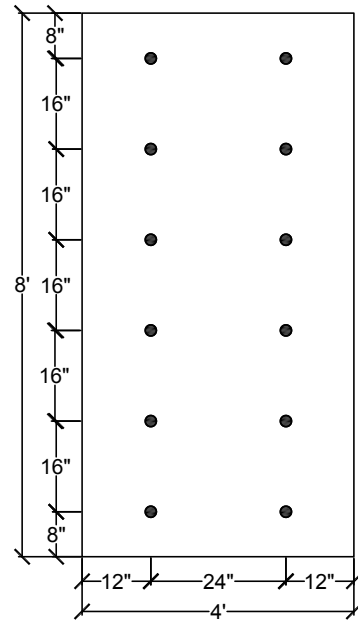
6 FASTENERS PER
BOARD

PERIMETER AREA



9 FASTENERS PER
BOARD

CORNER AREA



12 FASTENERS PER
BOARD

NOTE:

1. REFERENCE SPECIFIC SYSTEM/INSULATION TYPE AND THICKNESS REQUIREMENTS.
2. DRILL-TEC™ RHINOBOND® PLATE-WELDED SYSTEM IS NOT ACCEPTABLE FOR GYPSUM, CEMENTITIOUS WOOD FIBER OR OSB.
3. REFER TO THE DRILL-TEC™ RHINOBOND® APPLICATION AND SPECIFICATION MANUAL FOR FASTENER AND DECK REQUIREMENTS.



DRAWING #
111A

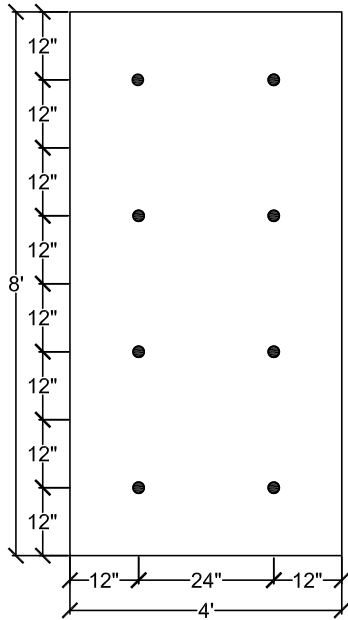
SCALE
N.T.S.

STANDARD FASTENING PATTERN
OVER APPROVED STEEL OR CONCRETE DECKS

THIS DETAIL APPLIES TO:
RHINOBOND®
ATTACHMENT
SYSTEMS

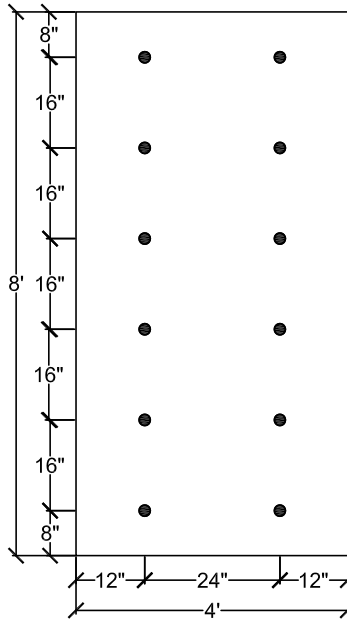
REVISION DATE
2-19-16

FIELD AREA



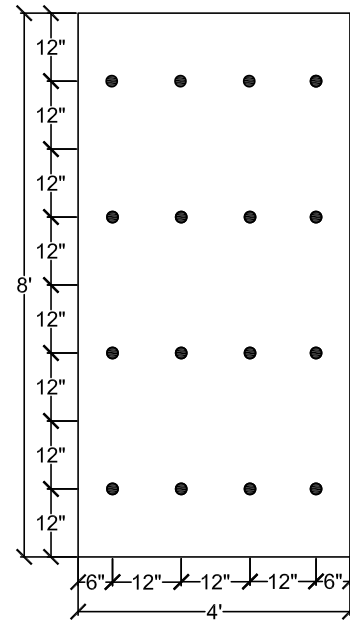
8 FASTENERS PER
BOARD

PERIMETER AREA



12 FASTENERS PER
BOARD

CORNER AREA



16 FASTENERS PER
BOARD

NOTE:

1. REFERENCE SPECIFIC SYSTEM/INSULATION TYPE AND THICKNESS REQUIREMENTS.
2. DRILL-TEC™ RHINOBOND® ATTACHMENT SYSTEM IS NOT ACCEPTABLE FOR GYPSUM, CEMENTITIOUS WOOD FIBER OR OSB.
3. REFER TO THE DRILL-TEC™ RHINOBOND® APPLICATION AND SPECIFICATION MANUAL FOR FASTENER AND DECK REQUIREMENTS.



1 Campus Drive
Parsippany, NJ 07054
www.gaf.com

EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

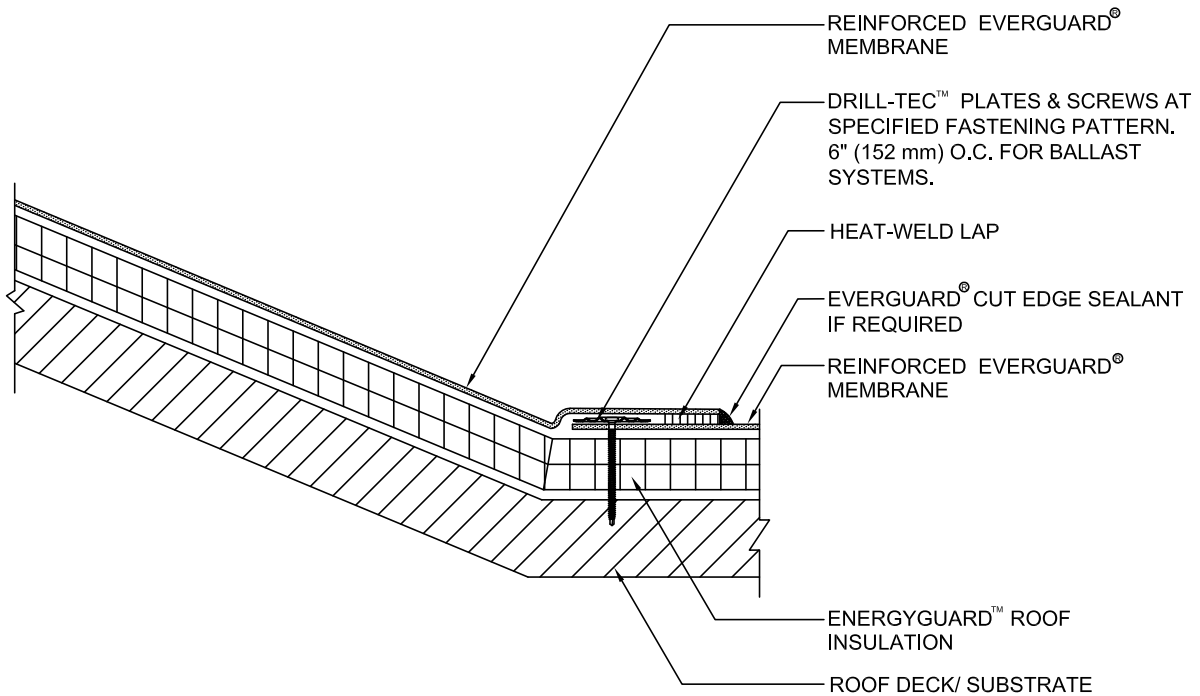
DRAWING #
111B

SCALE
N.T.S.

STANDARD FASTENING PATTERN
OVER APPROVED WOOD DECKS

THIS DETAIL APPLIES TO:
RHINOBOND®
ATTACHMENT
SYSTEMS

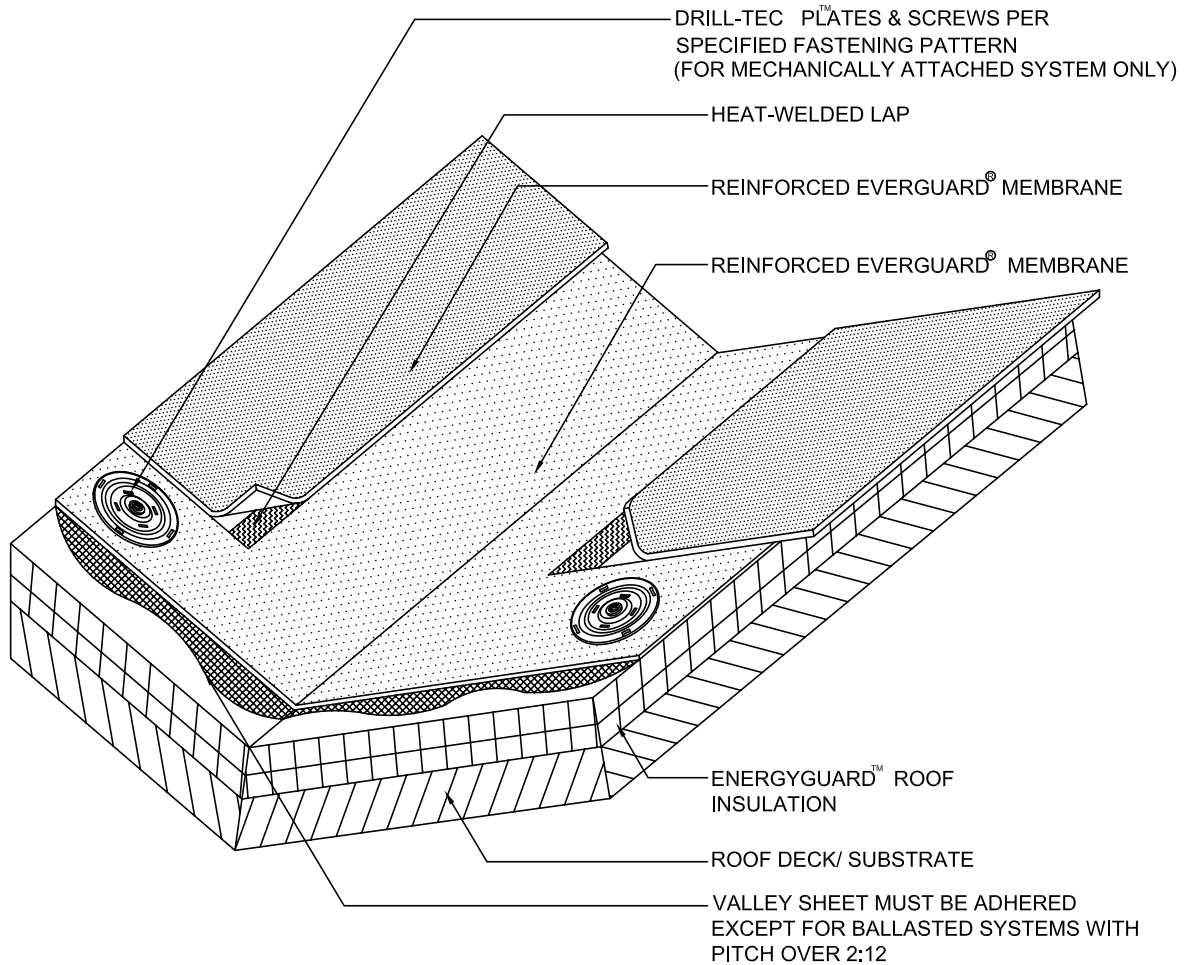
REVISION DATE
2-19-16



NOTE:



1. ANYTHING 1:12 OR GREATER NEEDS TO BE FASTENED AT ANGLE CHANGE.
2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).

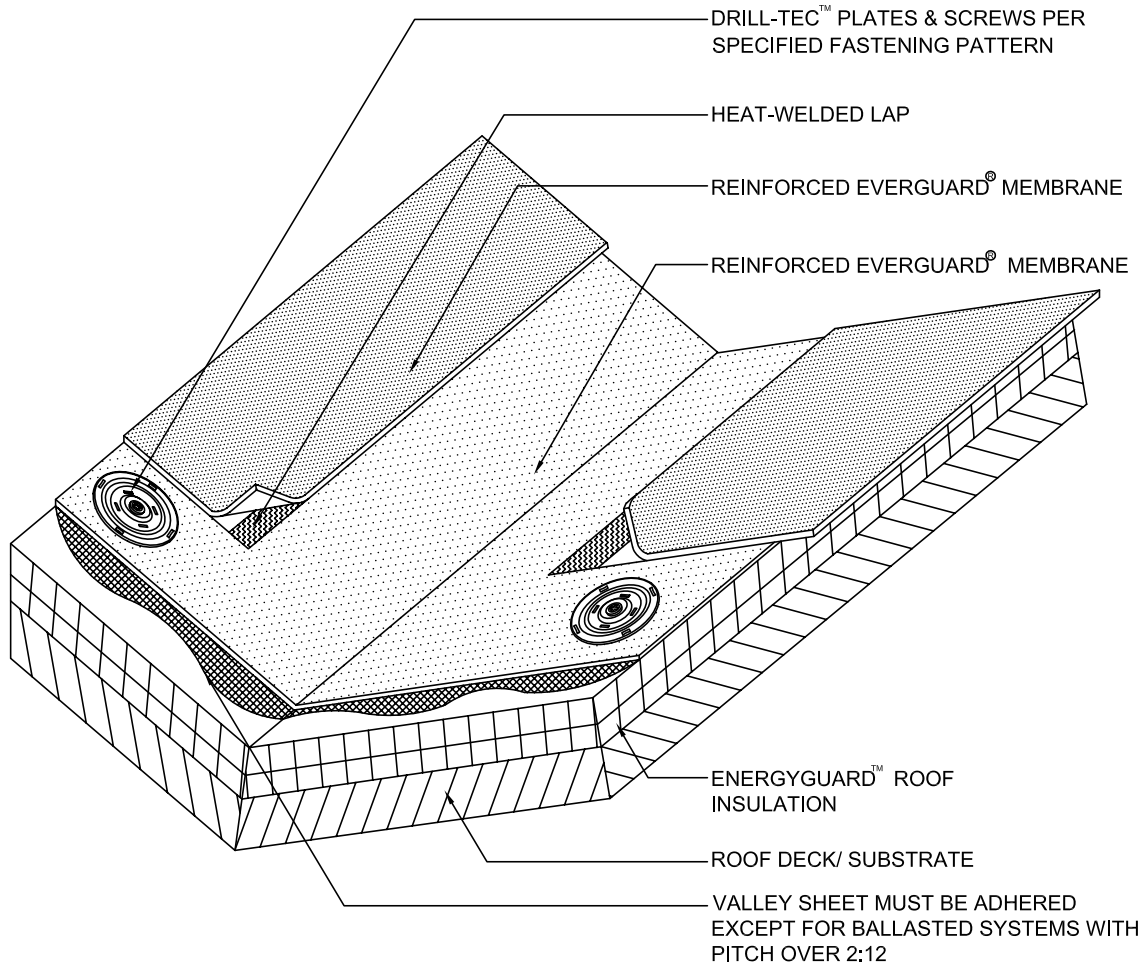
 <p>www.gaf.com 1 Campus Drive, Parsippany, NJ 07054</p>	 <p>FIELD OF ROOF SERIES</p>	<p>DRAWING # 112</p> <p>SCALE N.T.S.</p>	<p>CHANGE OF DECK PLANE DETAIL</p>	<p>THIS DETAIL APPLIES TO: Adhered Systems RhinoBond Systems Mechanically Attached Systems</p> <p>REVISION DATE 6-1-16</p>
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NOTE:



1. FOR MECHANICALLY ATTACHED SYSTEMS, VALLEYS MUST BE ADHERED USING APPROVED SPECIFIC EVERGUARD® ADHESIVE.

 www.gaf.com 1 Campus Drive, Parsippany, NJ 07054	 FIELD OF ROOF SERIES	DRAWING # 113	VALLEY DETAIL	THIS DETAIL APPLIES TO: Adhered Systems Mechanically Attached Systems
		SCALE N.T.S.		REVISION DATE 6-1-16

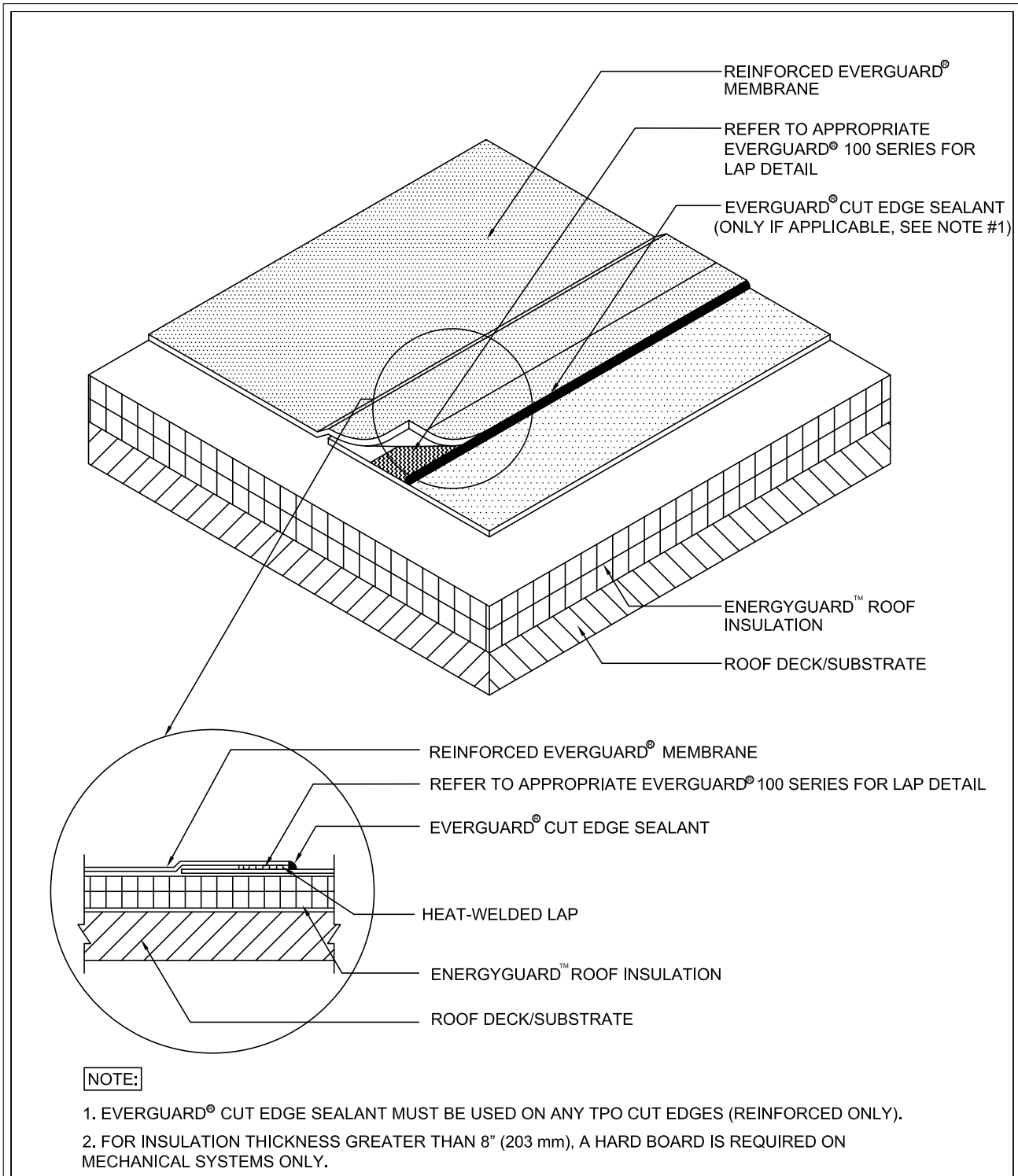


NOTE:

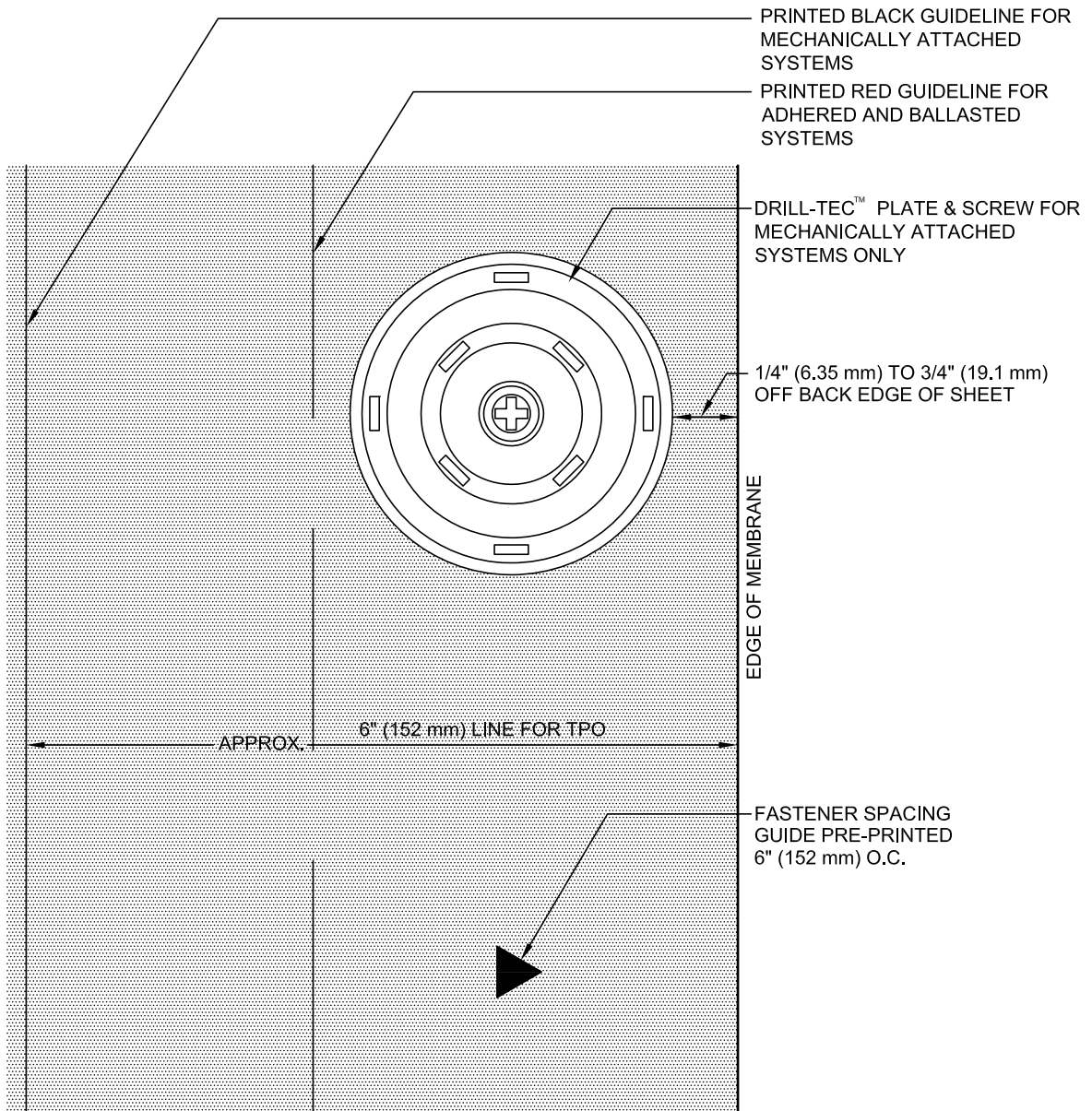
1. FOR MECHANICALLY ATTACHED SYSTEMS, VALLEYS MUST BE ADHERED USING APPROVED SPECIFIC EVERGUARD® ADHESIVE.

 <p>www.gaf.com 1 Campus Drive, Parsippany, NJ 07054</p>	 <p>FIELD OF ROOF SERIES</p>	<p>DRAWING # 113A</p>	<p>VALLEY DETAIL</p>	<p>THIS DETAIL APPLIES TO:</p> <ul style="list-style-type: none"> Adhered Systems Ballasted Systems Mechanically Attached Systems
		<p>SCALE N.T.S.</p>		<p>REVISION DATE 6-28-17</p>

ARCHITECTURAL DETAIL DRAWINGS
EverGuard® TPO/PVC Architectural Roofing Details Manual



 www.gaf.com 1 Campus Drive, Parsippany, NJ 07054	 FIELD OF ROOF SERIES	DRAWING # 115 SCALE N.T.S.	CUT EDGE SEALANT DETAIL EVERGUARD® TPO MEMBRANE ONLY	THIS DETAIL APPLIES TO: Adhered Systems Ballasted Systems Self-Adhered Systems Mechanically Attached Systems REVISION DATE 6-28-17
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NOTE:

1. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



www.gaf.com
1 Campus Drive,
Parsippany, NJ 07054



DRAWING #

116A

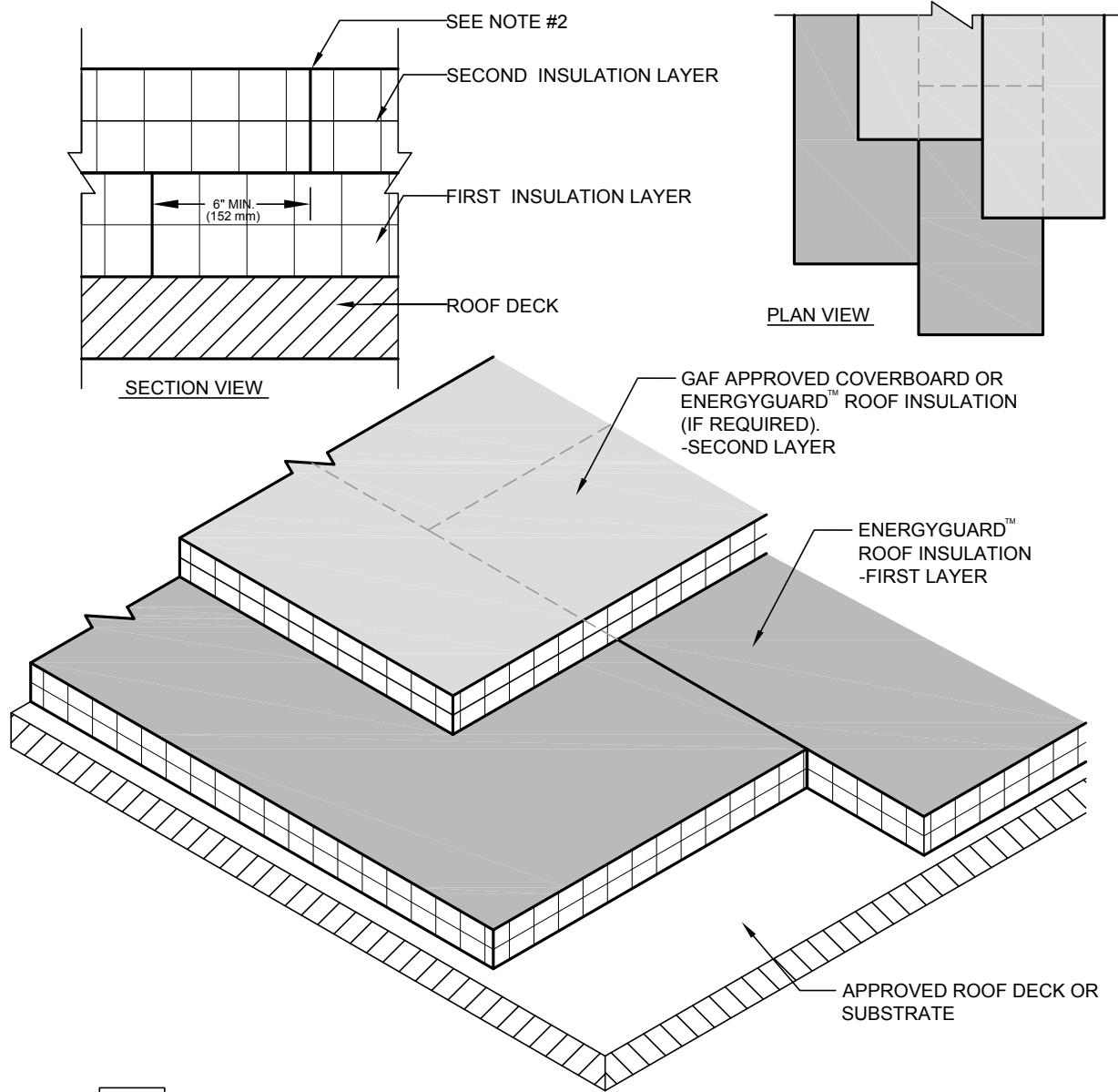
SCALE
N.T.S.

MEMBRANE EDGE DETAIL

THIS DETAIL APPLIES TO:

Ballasted Systems
Mechanically Attached Systems

REVISION DATE
6-26-17



NOTE:

1. REFER TO THE EVERGUARD® DESIGN & APPLICATION GUIDELINES FOR DETAILED INSTALLATION REQUIREMENTS.
2. INSULATION BOARDS INSTALLED IN SINGLE OR MULTIPLE LAYERS MUST HAVE THE JOINTS BETWEEN THE BOARDS STAGGERED IN ALL DIRECTIONS A MINIMUM OF 6" (152 mm) BETWEEN LAYERS.
3. INSULATION BOARDS INSTALLED OVER STEEL DECKING MUST HAVE BOARDS PLACED PERPENDICULAR TO DECK FLUTES WITH EDGES OVER FLUTE SURFACE FOR BEARING SUPPORT.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

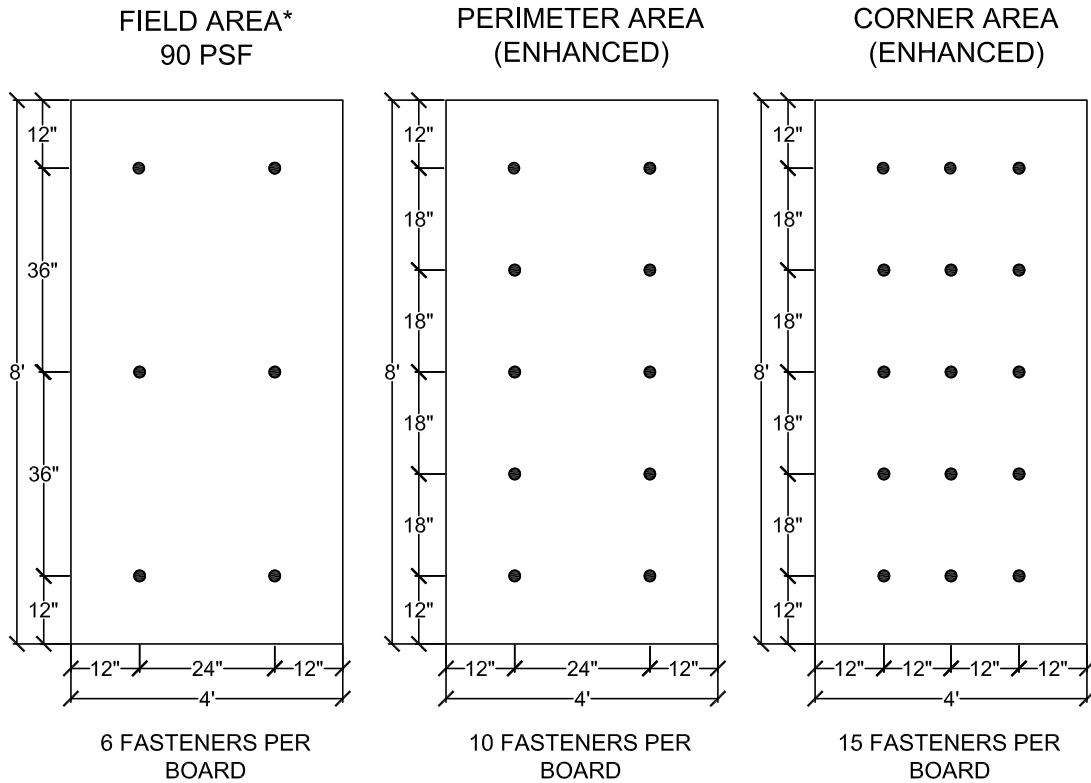
DRAWING #
120

SCALE
N.T.S.

STAGGERED INSULATION BOARD LAYOUT DETAIL

THIS DETAIL APPLIES TO:
**RHINOBOND®
ATTACHMENT
SYSTEMS**

REVISION DATE
2-19-16



NOTE:

1. REFERENCE SPECIFIC SYSTEM/INSULATION TYPE AND THICKNESS REQUIREMENTS.
2. DRILL-TEC™ RHINO BOND® ATTACHMENT SYSTEM IS NOT ACCEPTABLE FOR GYPSUM, CEMENTITIOUS WOOD FIBER OR OSB.
3. REFER TO THE DRILL-TEC™ RHINO BOND® APPLICATION AND SPECIFICATION MANUAL FOR FASTENER AND DECK REQUIREMENTS.
4. CONSULT FM APPROVALS, ROOFNAV LISTINGS, AND FM DATA SHEETS 1-28 AND 1-29 AT [HTTP://ROOFNAV.FMGLOBAL.COM](http://ROOFNAV.FMGLOBAL.COM), FOR DETAILED INSTALLATION REQUIREMENTS AND RECOMMENDATIONS FOR FM APPROVED INSTALLATIONS OR CONTACT TECHNICAL SERVICES AT 1-800-766-3411 FOR ASSISTANCE.

*THE FIELD OF ROOF ATTACHMENTS ABOVE EQUATE TO FM 1-120 RATINGS



DRAWING #

121

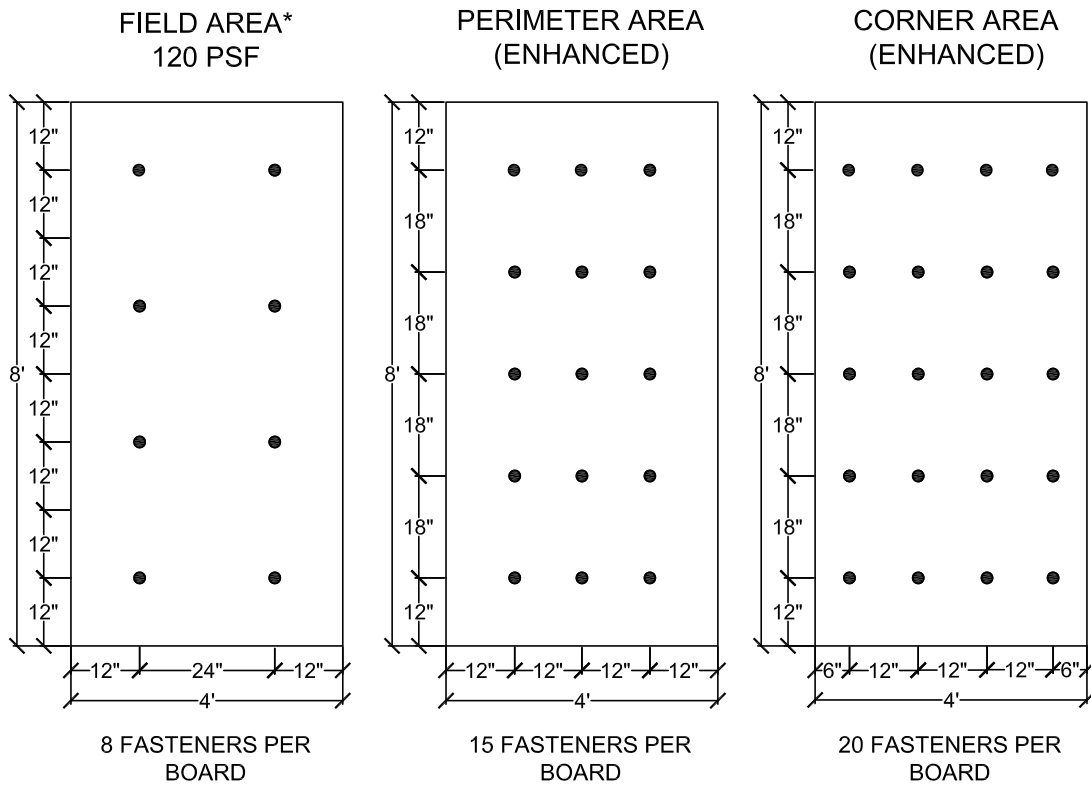
SCALE
N.T.S.

90 PSF FASTENING PATTERN
OVER APPROVED STEEL AND CONCRETE DECKS

THIS DETAIL APPLIES TO:

RHINO BOND®
ATTACHMENT
SYSTEMS

REVISION DATE
2-19-16



NOTE:

1. REFERENCE SPECIFIC SYSTEM/INSULATION TYPE AND THICKNESS REQUIREMENTS.
2. DRILL-TEC™ RHINOBOND® ATTACHMENT SYSTEM IS NOT ACCEPTABLE FOR GYPSUM, CEMENTITIOUS WOOD FIBER OR OSB.
3. REFER TO THE DRILL-TEC™ RHINOBOND® APPLICATION AND SPECIFICATION MANUAL FOR FASTENER AND DECK REQUIREMENTS.
4. CONSULT FM APPROVALS, ROOFNAV LISTINGS, AND FM DATA SHEETS 1-28 AND 1-29 AT [HTTP://ROOFNAV.FMGLOBAL.COM](http://ROOFNAV.FMGLOBAL.COM), FOR DETAILED INSTALLATION REQUIREMENTS AND RECOMMENDATIONS FOR FM APPROVED INSTALLATIONS OR CONTACT TECHNICAL SERVICES AT 1-800-766-3411 FOR ASSISTANCE.

*THE FIELD OF ROOF ATTACHMENTS ABOVE EQUATE TO FM 1-120 RATINGS



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

DRAWING #

122

SCALE
N.T.S.

**120 PSF FASTENING PATTERN
OVER APPROVED STEEL AND CONCRETE DECKS**

THIS DETAIL APPLIES TO:

**RHINOBOND®
ATTACHMENT
SYSTEMS**

REVISION DATE
9-27-17

200 Series Roof Edge Details

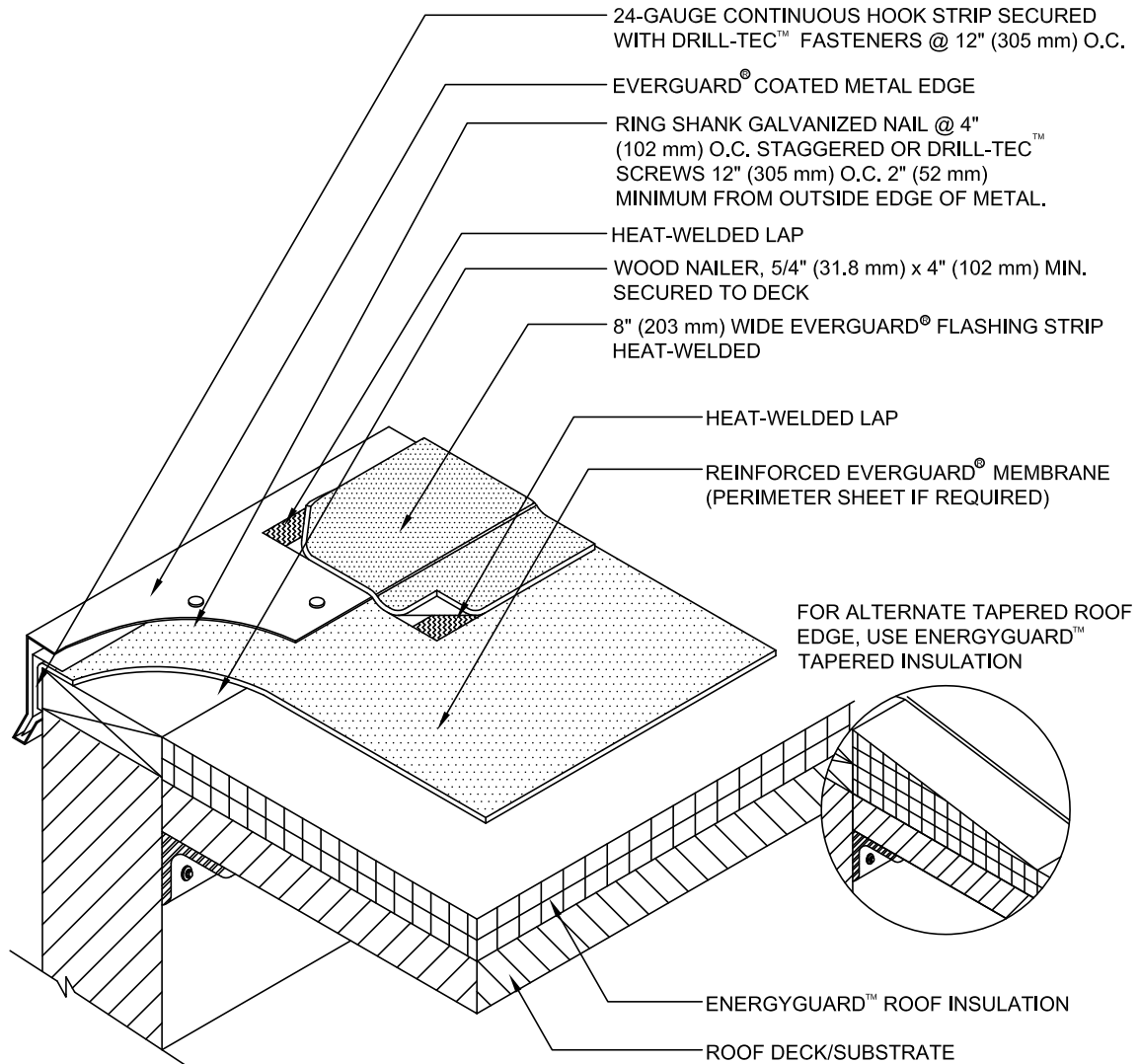


Quick access to installation videos and detail drawings for EverGuard® single-ply systems.

Visit http://www.gaf.com/roofing/commercial/smart_details for further information.

ARCHITECTURAL DETAIL DRAWINGS

EverGuard® TPO/PVC Architectural Roofing Details Manual



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. 25-YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #

202A

SCALE
N.T.S.

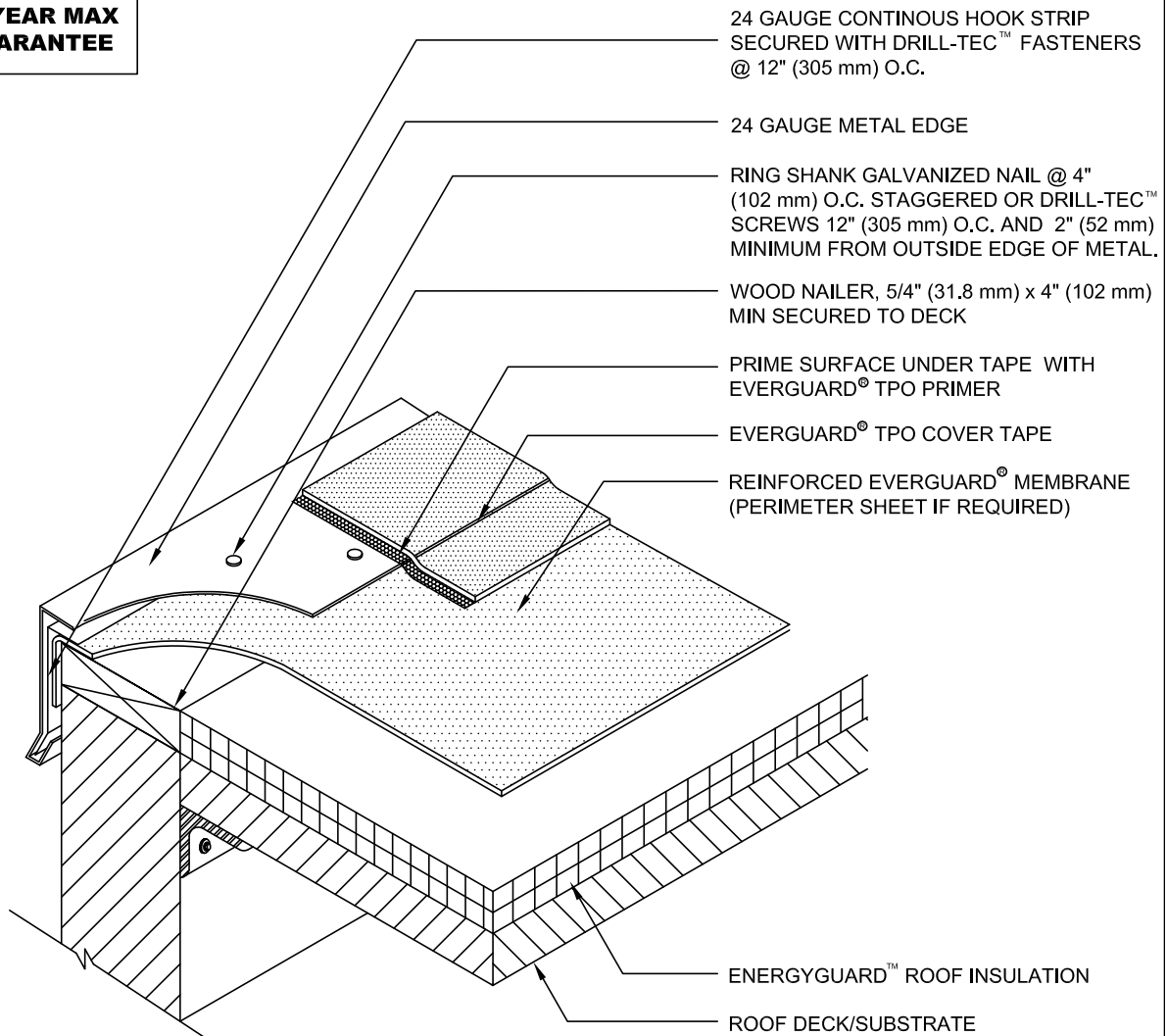
COATED METAL ROOF EDGE DETAIL

THIS DETAIL APPLIES TO:

Adhered Systems
Self-Adhered Systems
Mechanically Attached Systems

REVISION DATE
6-28-17

**15-YEAR MAX
GUARANTEE**



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. CLEAN METAL AND MEMBRANE WITH EVERGUARD® TPO SEAM CLEANER AND ALLOW TO DRY BEFORE PRIMING.
3. EVERGUARD® TPO COVER TAPE ONLY TO BE USED WITH TPO MEMBRANE SYSTEMS.
4. THIS DETAIL IS **NOT** TO BE USED ON SLOPES GREATER THAN 1:12. FOR SLOPES GREATER THAN 1:12, REFER TO EVERGUARD® DETAIL 218 OR 219.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

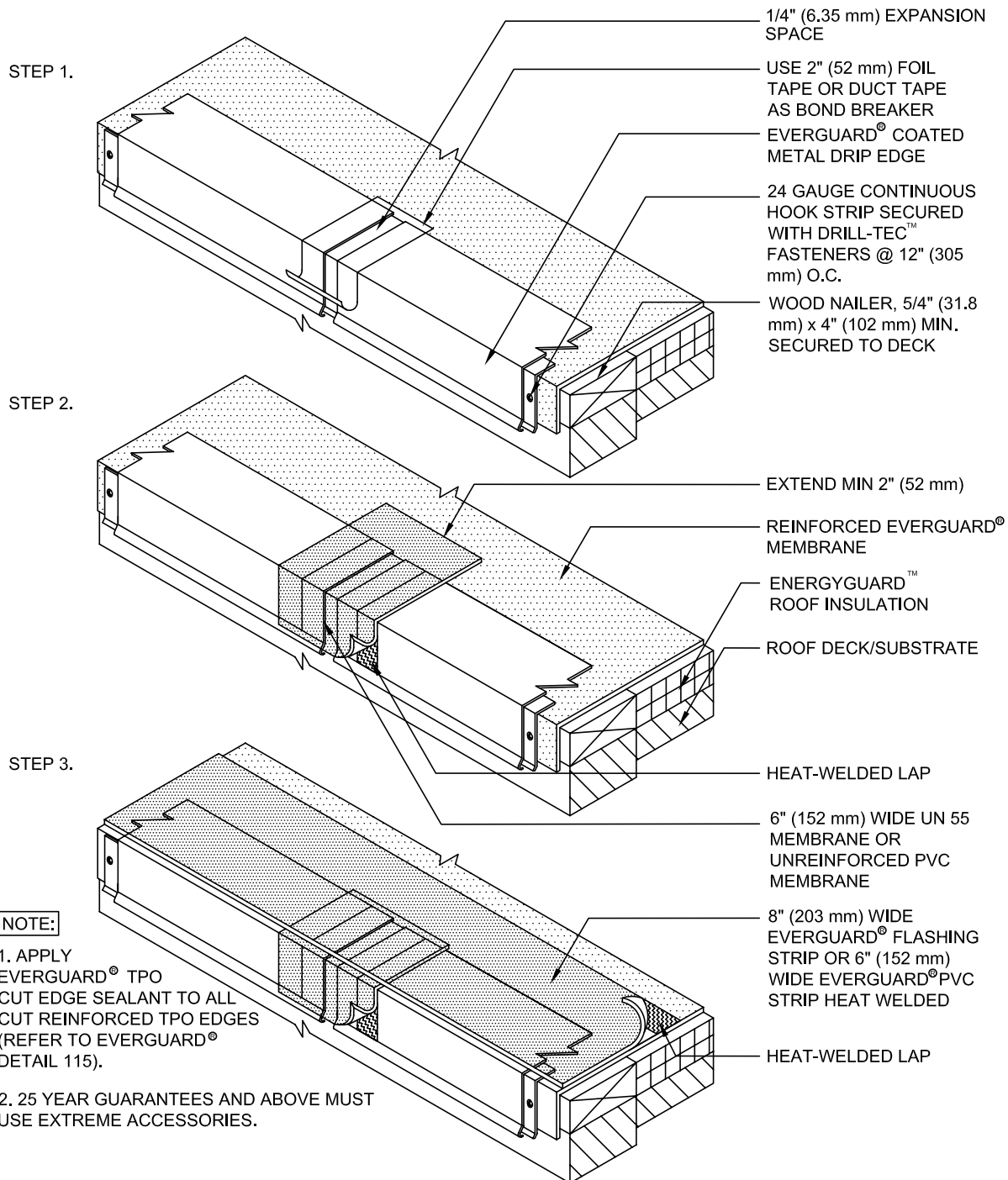
DRAWING #
202B

SCALE
N.T.S.

**ROOF EDGE WITH TPO
COVER TAPE DETAIL**

THIS DETAIL APPLIES TO:
Adhered Systems
Mechanically Attached Systems
Self-Adhered Systems

REVISION DATE
10-3-17



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

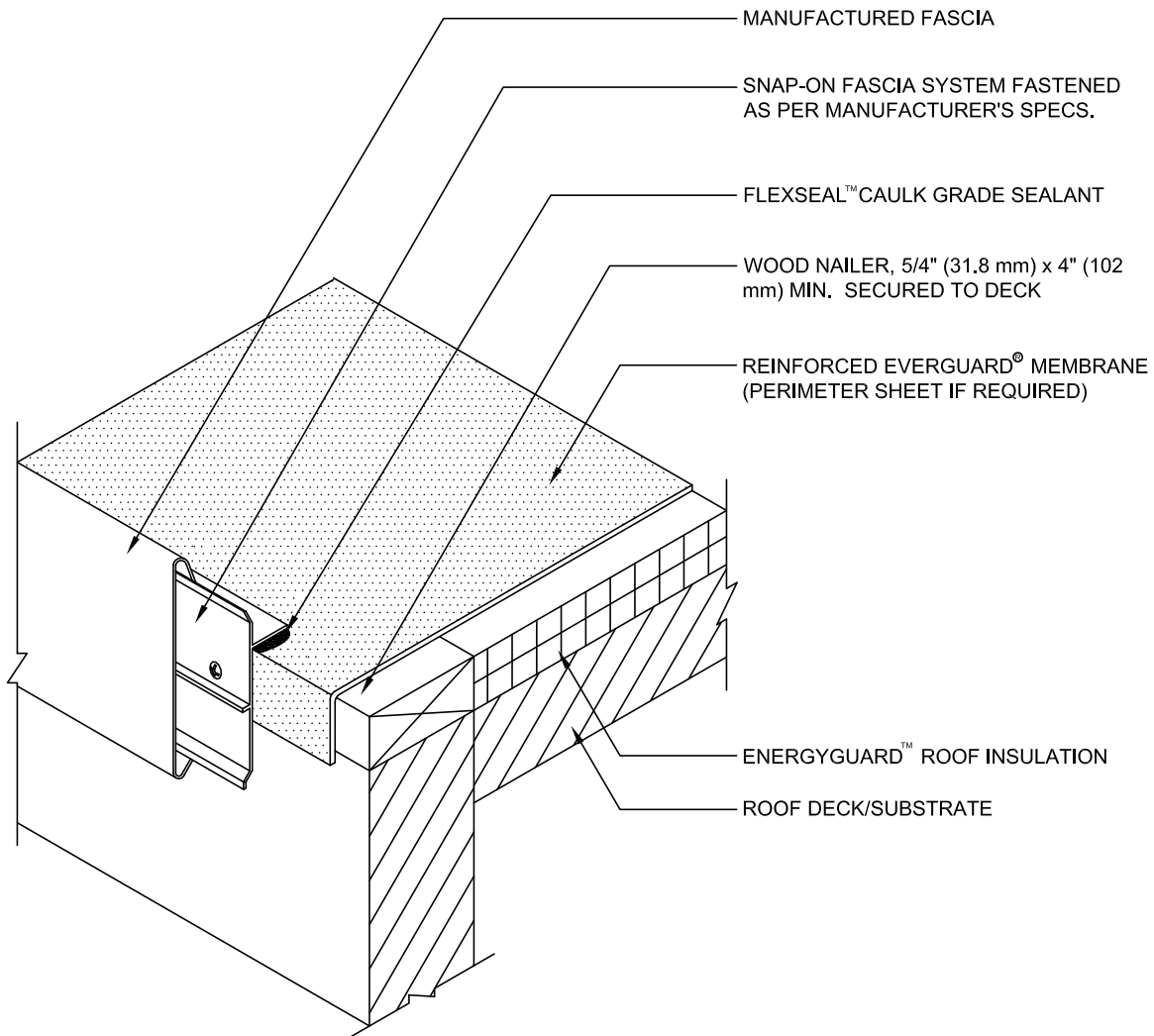
DRAWING #
204

SCALE
N.T.S.

COATED METAL JOINT DETAIL

THIS DETAIL APPLIES TO:
Adhered Systems
Mechanically Attached Systems
Self-Adhered Systems

REVISION DATE
6-28-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. FASCIA FASTENERS ARE PROVIDED WITH THE FASCIA ASSEMBLY.
3. IF BOTTOM ROW OF FASTENERS ALIGN WITH SUBSTRATE OTHER THAN NAILER, AN APPROPRIATE AND APPROVED FASTENER SHALL BE USED.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

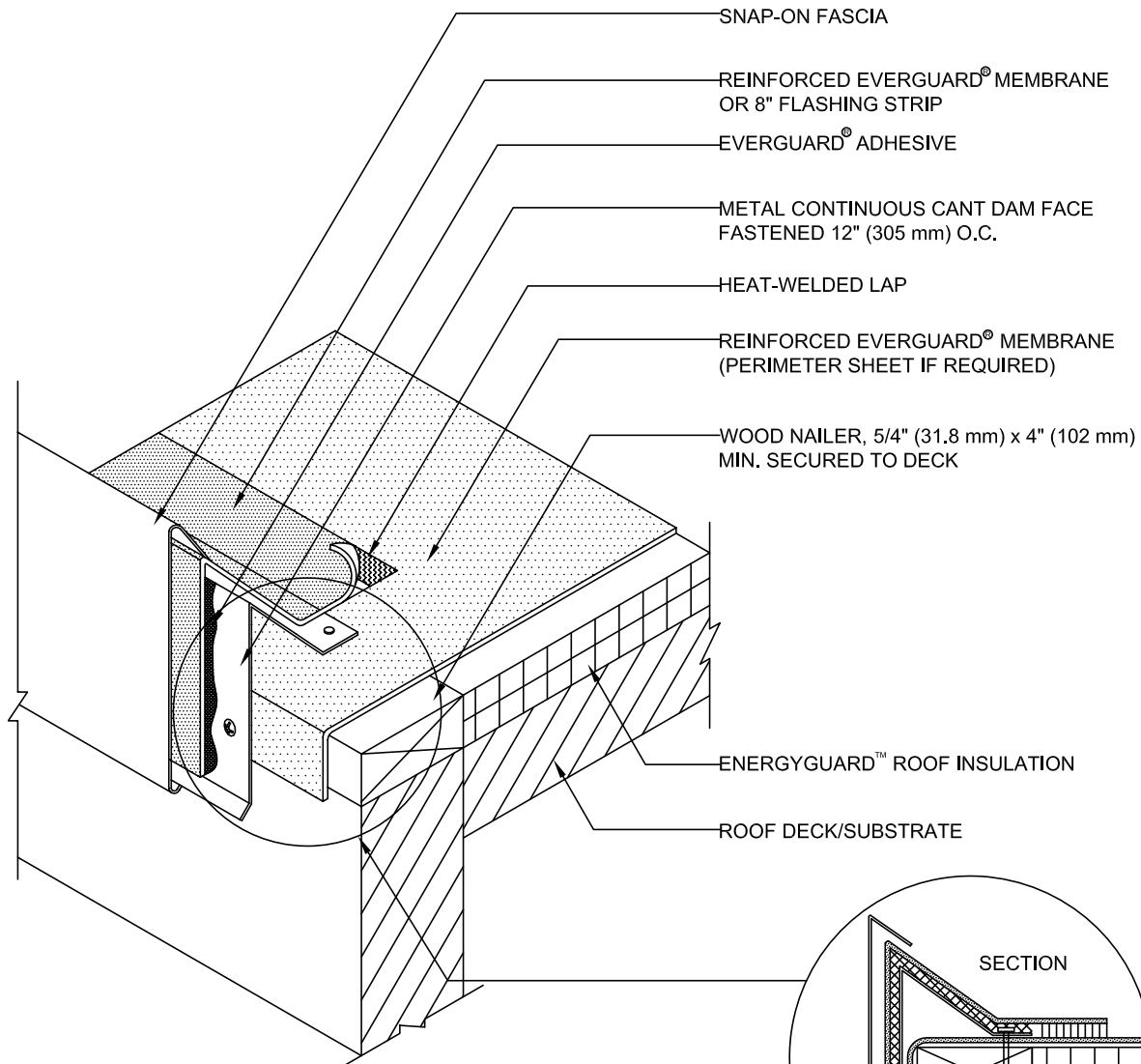
DRAWING #
205

SCALE
N.T.S.

**SNAP-ON FASCIA ROOF
EDGE DETAIL - OPTION 1**

THIS DETAIL APPLIES TO:
Ballasted Systems
Adhered Systems
Mechanically Attached Systems
Self-Adhered Systems

REVISION DATE
5-1-16



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
206

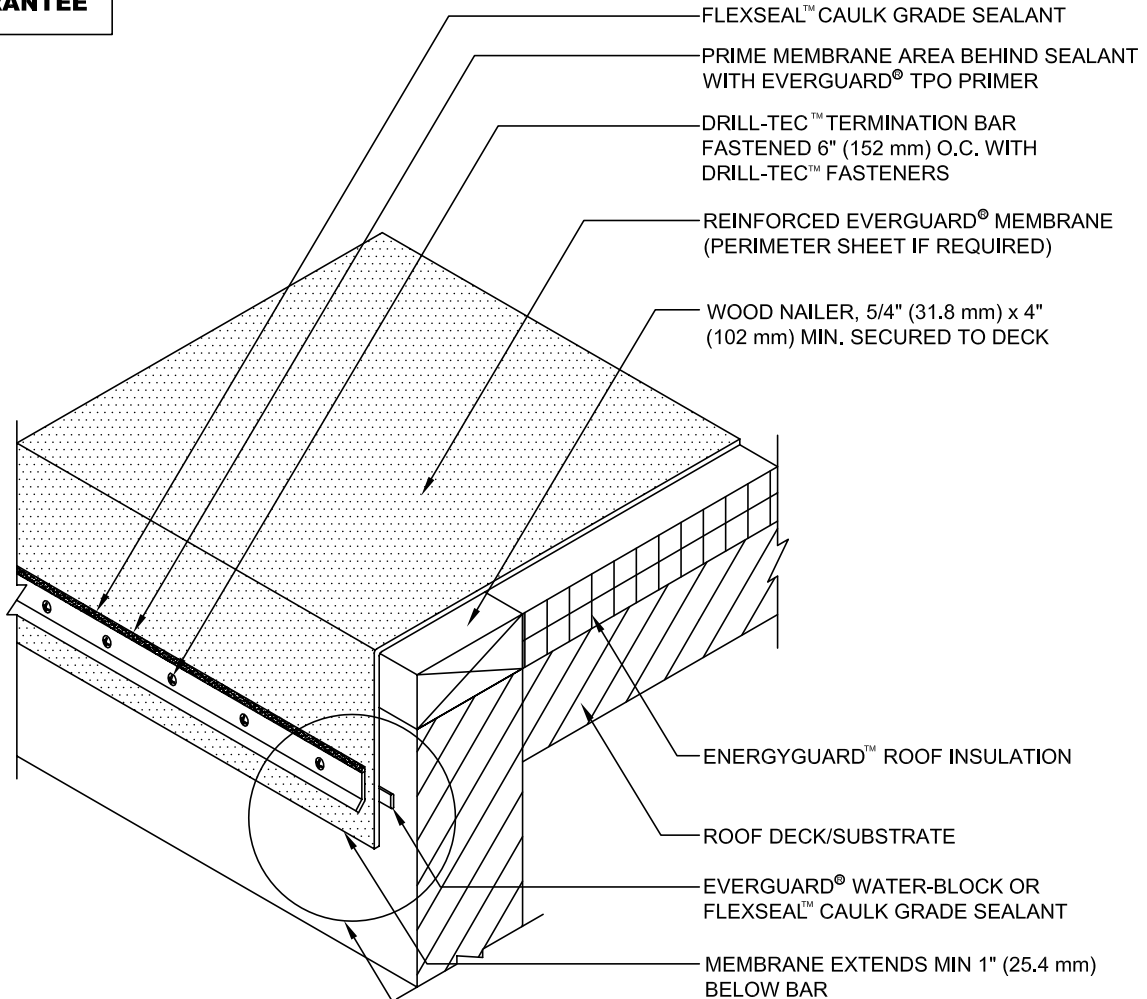
SCALE
N.T.S.

**SNAP-ON FASCIA ROOF
EDGE DETAIL - OPTION 2**

THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
Mechanically Attached Systems
Self-Adhered Systems (Heat-weld only)
TriPosite Systems

REVISION DATE
5-1-16

**20-YEAR MAX
GUARANTEE**



NOTE:

1. TERMINATION BAR MUST BE FASTENED 6" (152 mm) O.C. FOR THIS DETAIL.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
208

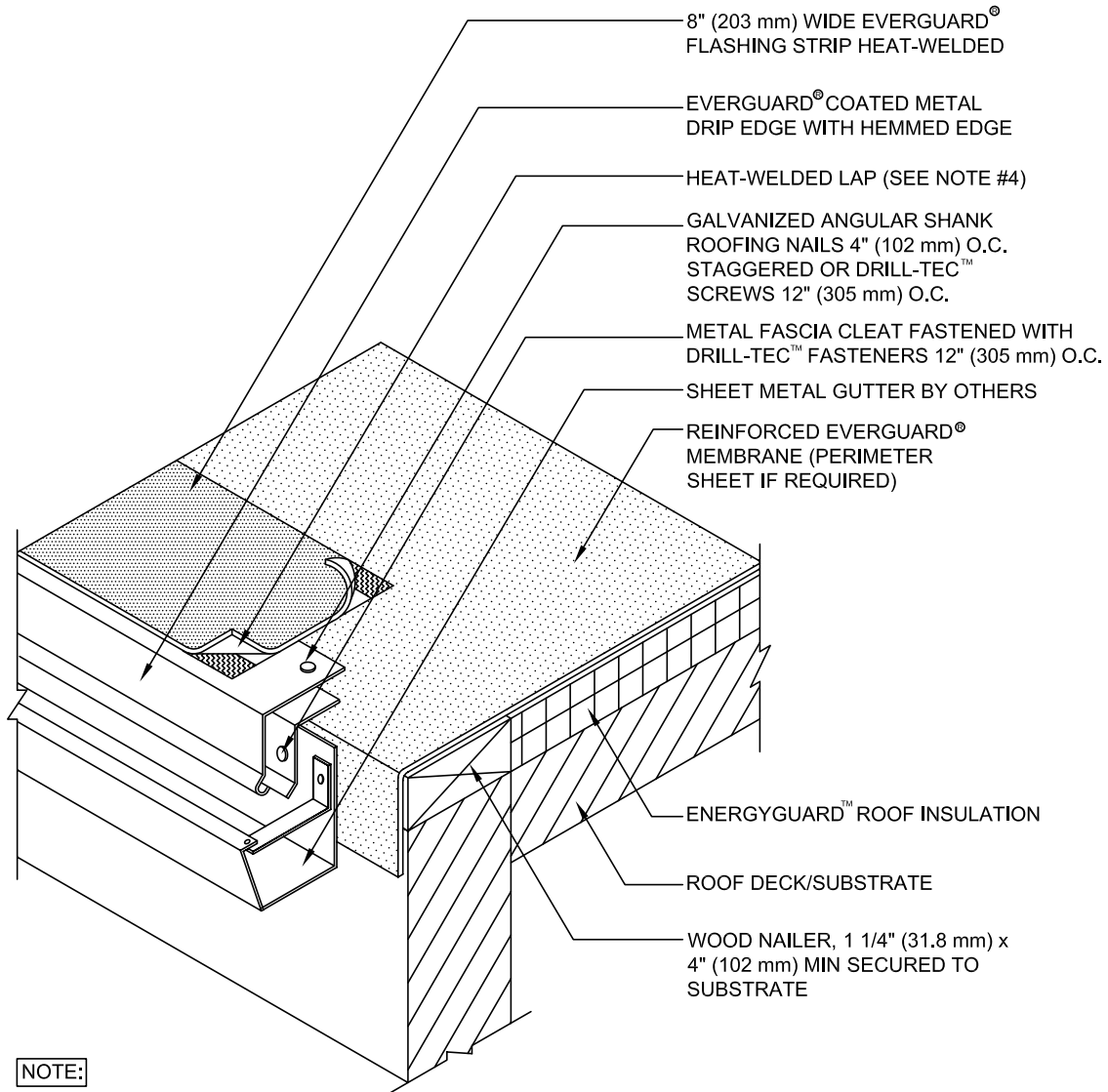
SCALE
N.T.S.

**TERMINATION BAR ROOF EDGE
DETAIL**

THIS DETAIL APPLIES TO:
Adhered Systems
Self-Adhered Systems
Mechanically Attached Systems

REVISION DATE
10-3-17

ARCHITECTURAL DETAIL DRAWINGS
EverGuard® TPO/PVC Architectural Roofing Details Manual



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. REFER TO EVERGUARD® DETAIL 204 FOR COATED METAL JOINTS.
3. A CONTINUOUS METAL CLEAT IS REQUIRED.
4. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
5. 25-YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.
6. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #

211

SCALE
N.T.S.

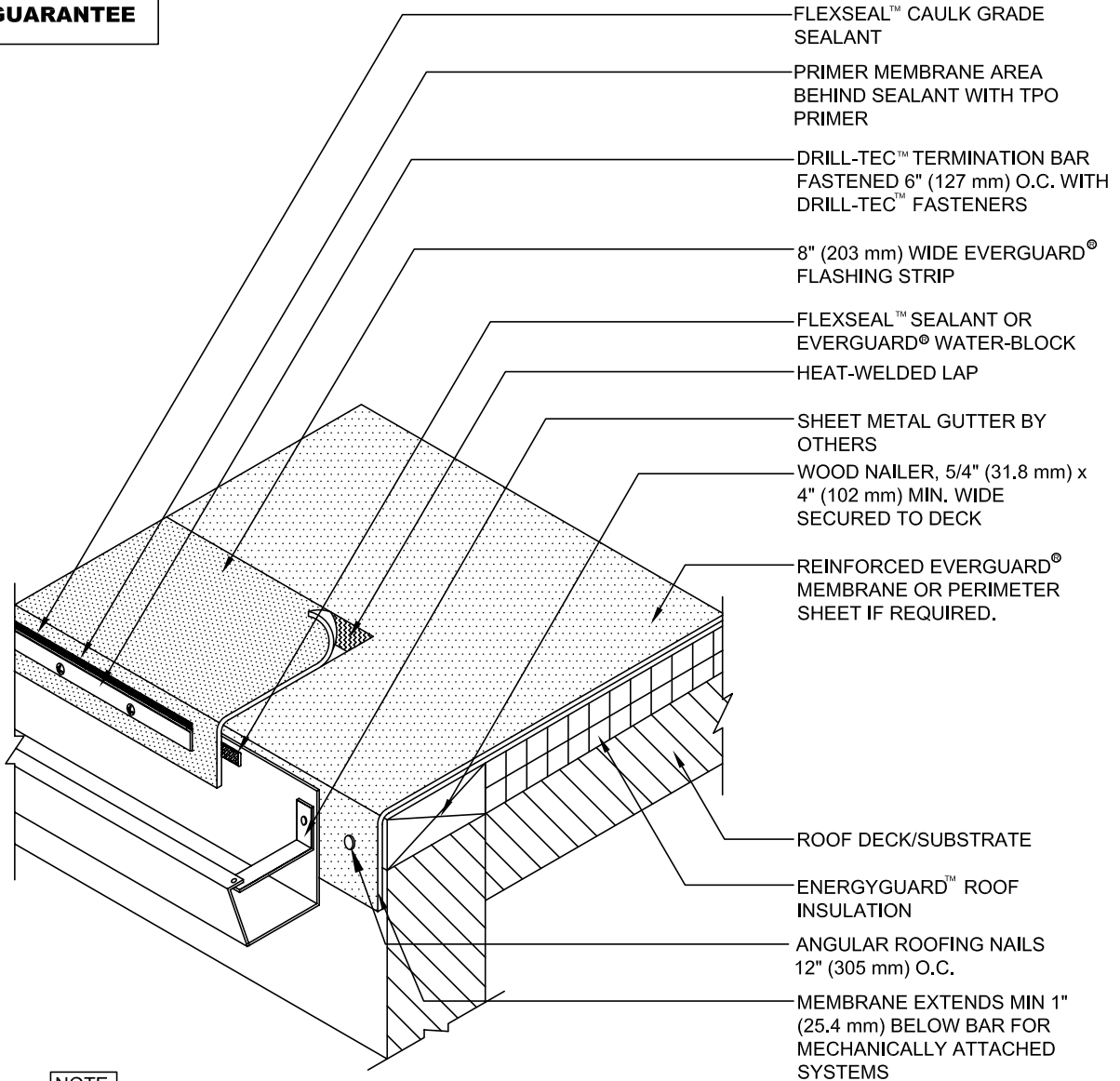
GUTTER WITH COATED METAL EDGE DETAIL

THIS DETAIL APPLIES TO:

Adhered Systems
Self - Adhered Systems
Mechanically Attached Systems

REVISION DATE
6-26-17

**20-YEAR MAX
GUARANTEE**



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. EDGE OF MEMBRANE SHOULD NOT TERMINATE BELOW GUTTER EDGES.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #

212

SCALE
N.T.S.

**GUTTER WITH TERMINATION
BAR - NEW INSTALLATION**

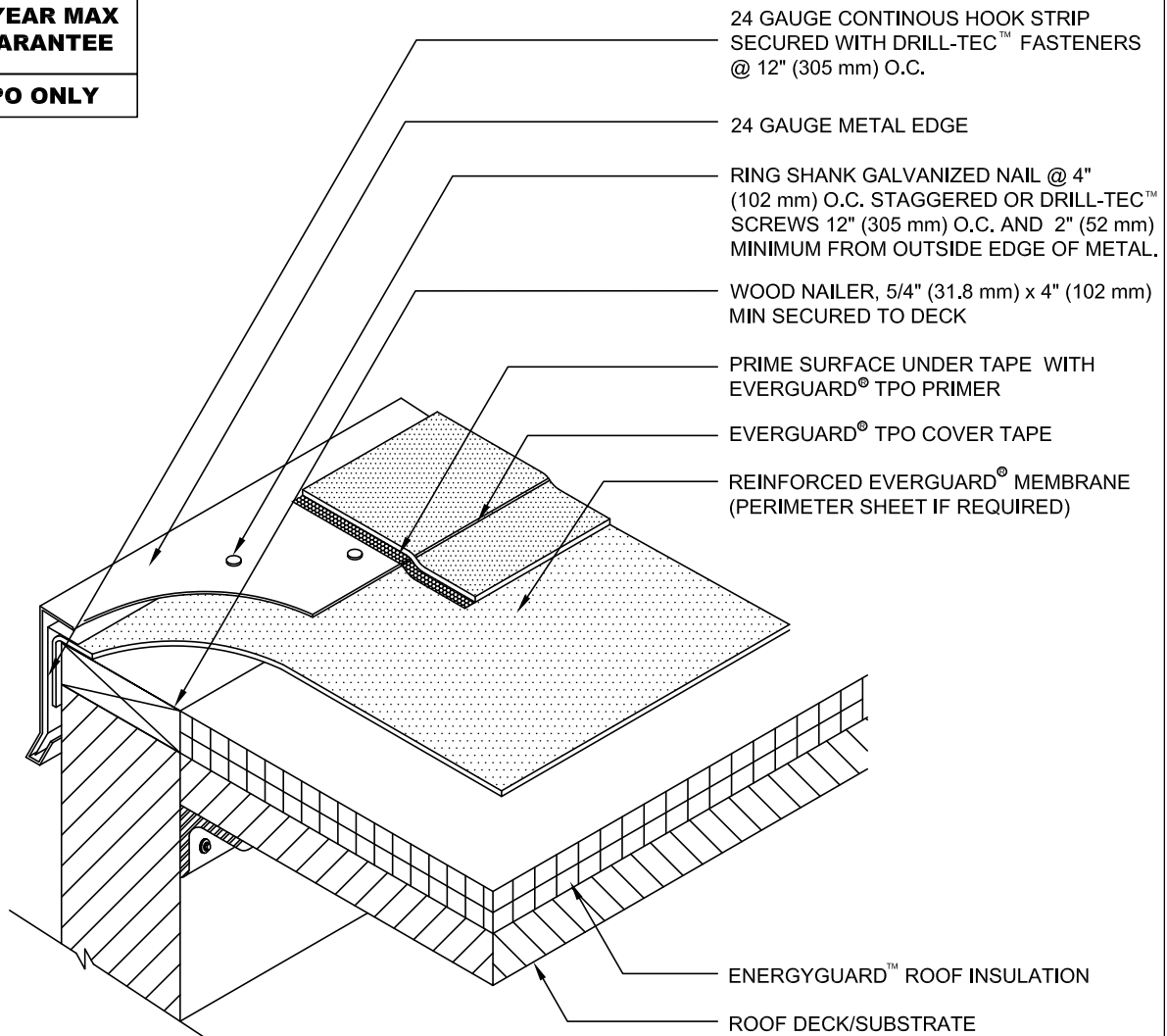
THIS DETAIL APPLIES TO:

Adhered Systems
Self-Adhered Systems
Mechanically Attached Systems

REVISION DATE
10-3-17

**15-YEAR MAX
GUARANTEE**

TPO ONLY



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. CLEAN METAL AND MEMBRANE WITH EVERGUARD® TPO SEAM CLEANER AND ALLOW TO DRY. ONCE DRY, PRIME METAL AND MEMBRANE WITH EVERGUARD® TPO PRIMER BEFORE INSTALLING EVERGUARD® TPO COVER TAPE.
3. THIS DETAIL IS **NOT** TO BE USED ON SLOPES GREATER THAN 1:12. FOR SLOPES GREATER THAN 1:12, REFER TO EVERGUARD® DETAIL 218 OR 219.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #

213A

SCALE
N.T.S.

COVER TAPE AT ROOF EDGE DETAIL

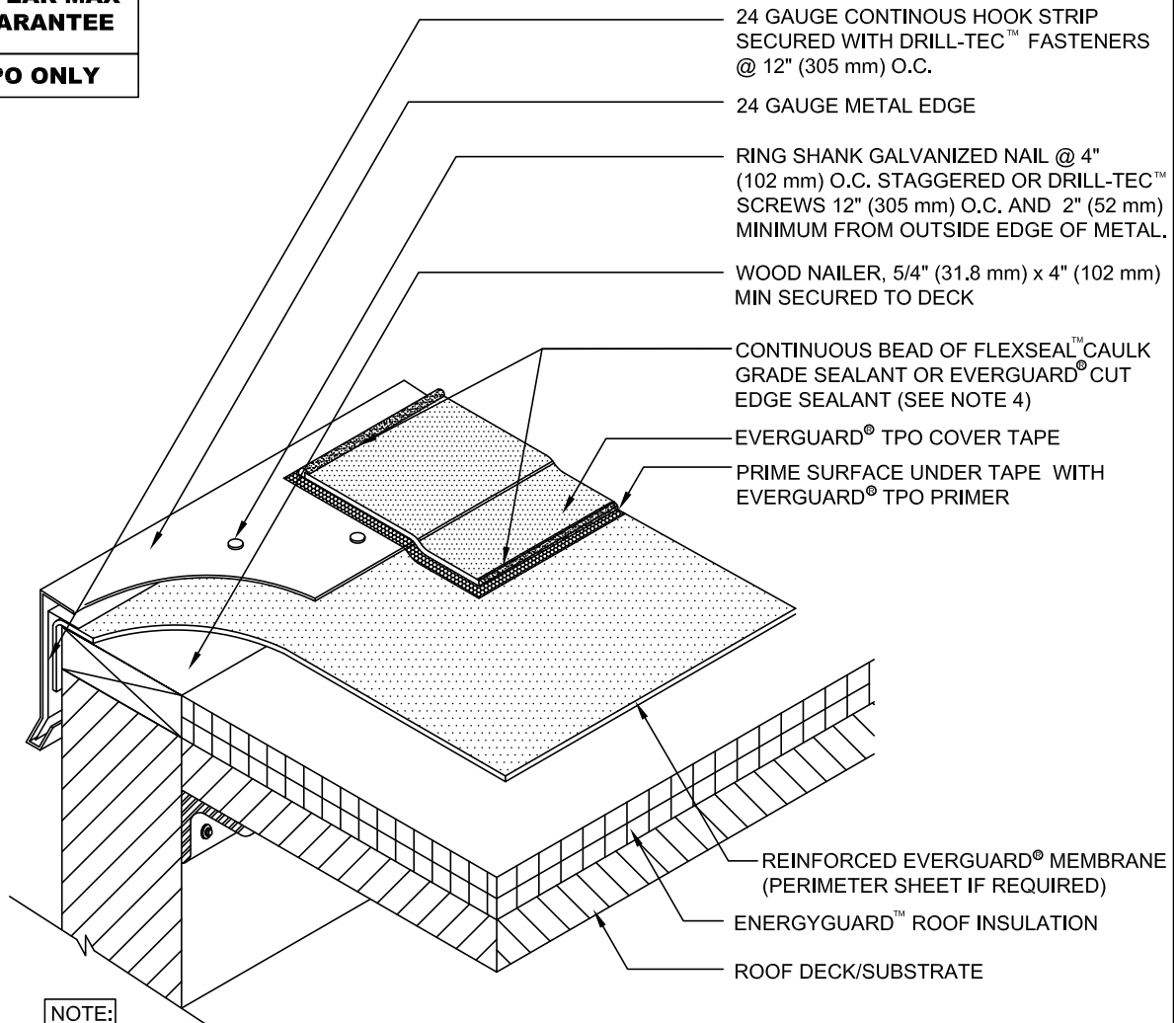
THIS DETAIL APPLIES TO:

Adhered Systems
Mechanically Attached Systems
Self-Adhered Systems

REVISION DATE
8-28-17

**20-YEAR MAX
GUARANTEE**

TPO ONLY



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. CLEAN METAL AND MEMBRANE WITH EVERGUARD® TPO SEAM CLEANER AND ALLOW TO DRY. ONCE DRY, PRIME METAL AND MEMBRANE WITH EVERGUARD® TPO PRIMER BEFORE INSTALLING EVERGUARD® TPO COVER TAPE.
3. THIS DETAIL IS **NOT** TO BE USED ON SLOPES GREATER THAN 1:12. FOR SLOPES GREATER THAN 1:12, REFER TO EVERGUARD DETAIL 218 OR 219.
4. FLEXSEAL™ CAULK GRADE SEALANT SHOULD BE FEATHERED OUT AND APPLIED TO BOTH INSIDE AND OUTSIDE EDGES. ENSURE PRIMER EXTENDS UNDER FLEXSEAL™ CAULK GRADE SEALANT.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #

213B COVER TAPE AT ROOF EDGE DETAIL

SCALE
N.T.S.

THIS DETAIL APPLIES TO:

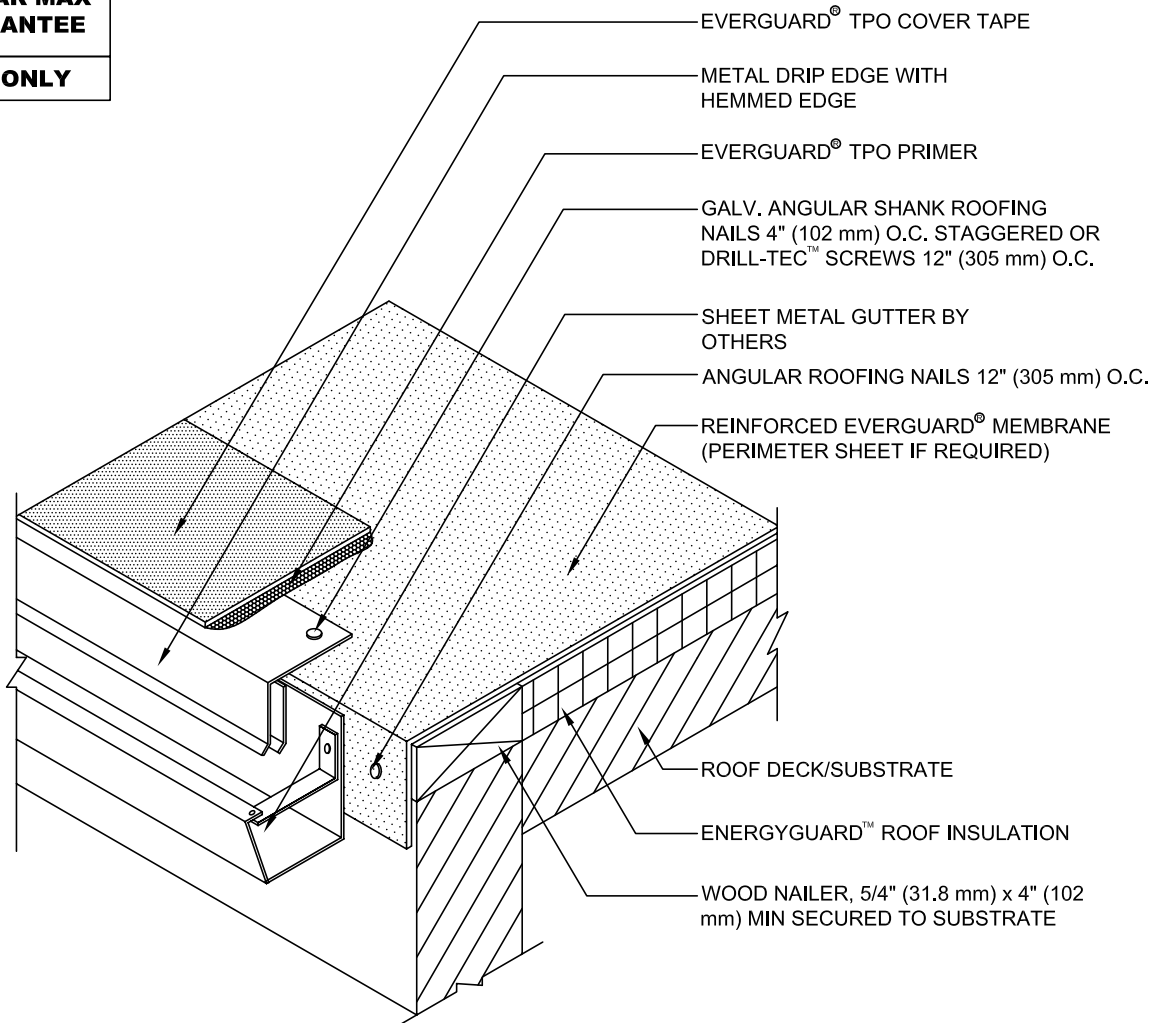
Adhered Systems
Mechanically Attached Systems
Self-Adhered Systems

REVISION DATE
12-12-17

ARCHITECTURAL DETAIL DRAWINGS
EverGuard® TPO/PVC Architectural Roofing Details Manual

**15-YEAR MAX
GUARANTEE**

TPO ONLY



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. CLEAN METAL AND MEMBRANE WITH EVERGUARD® TPO SEAM CLEANER AND ALLOW TO DRY. ONCE DRY, PRIME METAL AND MEMBRANE WITH EVERGUARD® TPO PRIMER BEFORE INSTALLING EVERGUARD® TPO COVER TAPE.
3. THIS DETAIL IS **NOT** TO BE USED ON SLOPES GREATER THAN 1:12. FOR SLOPES GREATER THAN 1:12, REFER TO EVERGUARD DETAIL 218 OR 219 .
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
214A

SCALE
N.T.S.

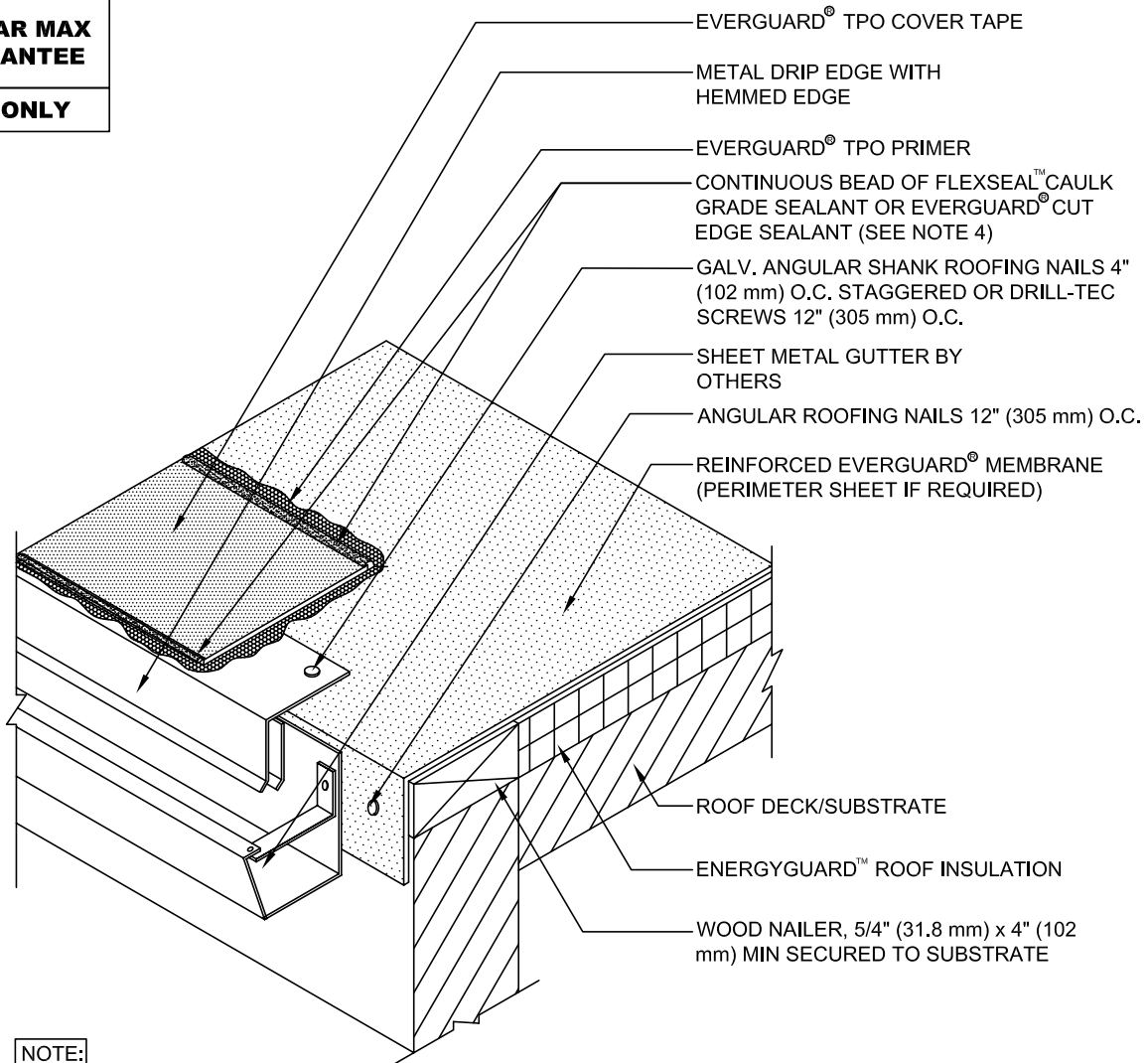
**COVER TAPE AT GUTTER EDGE
DETAIL**

THIS DETAIL APPLIES TO:
Adhered Systems
Mechanically Attached
Systems
Self - Adhered Systems

REVISION DATE
12-12-17

**20-YEAR MAX
GUARANTEE**

TPO ONLY



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. CLEAN METAL AND MEMBRANE WITH EVERGUARD® TPO SEAM CLEANER AND ALLOW TO DRY. ONCE DRY, PRIME METAL AND MEMBRANE WITH EVERGUARD® TPO PRIMER BEFORE INSTALLING EVERGUARD® TPO COVER TAPE.
3. THIS DETAIL IS **NOT** TO BE USED ON SLOPES GREATER THAN 1:12. FOR SLOPES GREATER THAN 1:12, REFER TO EVERGUARD DETAIL 218 OR 219.
4. FLEXSEAL™ CAULK GRADE SEALANT SHOULD BE FEATHERED OUT AND APPLIED TO BOTH INSIDE AND OUTSIDE EDGES. ENSURE PRIMER EXTENDS UNDER FLEXSEAL™ CAULK GRADE SEALANT.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
214B

SCALE
N.T.S.

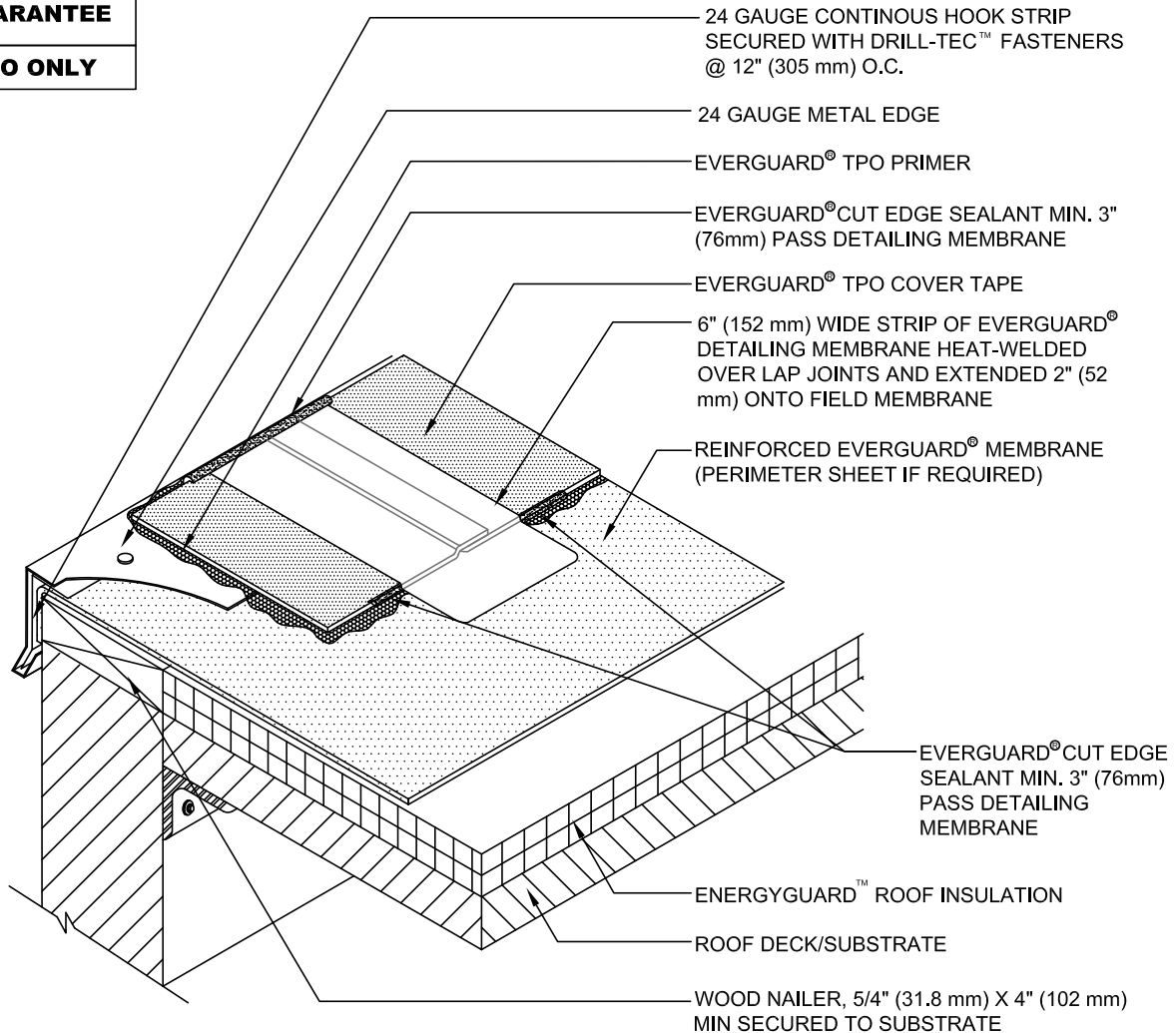
COVER TAPE AT GUTTER EDGE DETAIL

THIS DETAIL APPLIES TO:
Adhered Systems
Mechanically Attached
Systems
Self-Adhered Systems

REVISION DATE
10-3-17

**15-YEAR MAX
GUARANTEE**

TPO ONLY



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. CLEAN METAL AND MEMBRANE WITH EVERGUARD® TPO SEAM CLEANER AND ALLOW TO DRY. ONCE DRY, PRIME METAL AND MEMBRANE WITH EVERGUARD® TPO PRIMER BEFORE INSTALLING EVERGUARD® TPO COVER TAPE.
3. THIS DETAIL IS **NOT** TO BE USED ON SLOPES GREATER THAN 1:12. FOR SLOPES GREATER THAN 1:12, REFER TO EVERGUARD DETAIL 218 OR 219.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
215A

SCALE
N.T.S.

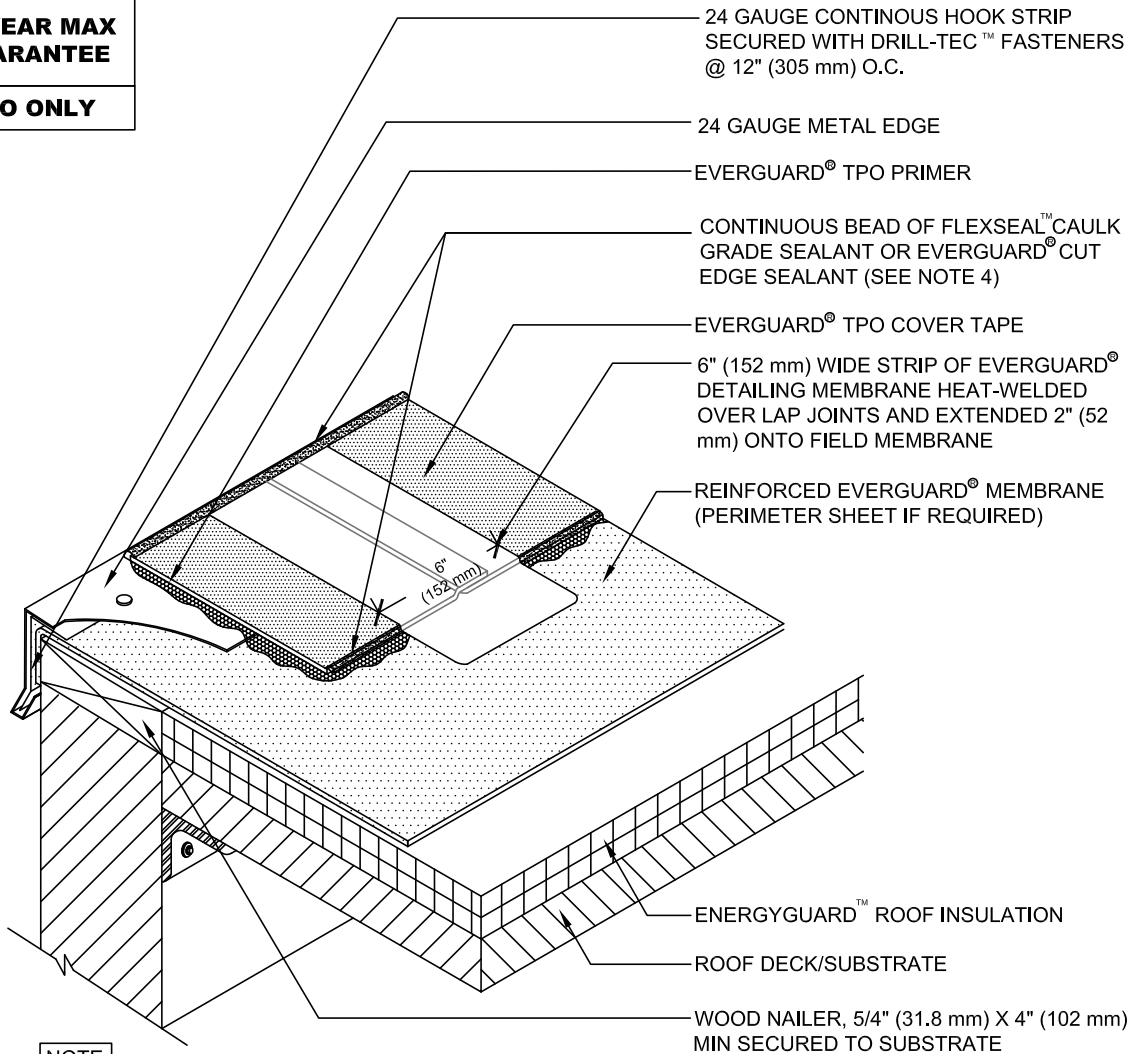
COVER TAPE OVERLAP AT ROOF EDGE DETAIL

THIS DETAIL APPLIES TO:
Adhered Systems
Mechanically Attached Systems
Self-Adhered Systems

REVISION DATE
12-12-17

**20-YEAR MAX
GUARANTEE**

TPO ONLY



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. CLEAN METAL AND MEMBRANE WITH EVERGUARD® TPO SEAM CLEANER AND ALLOW TO DRY. ONCE DRY, PRIME METAL AND MEMBRANE WITH EVERGUARD® TPO PRIMER BEFORE INSTALLING EVERGUARD® TPO COVER TAPE.
3. THIS DETAIL IS **NOT** TO BE USED ON SLOPES GREATER THAN 1:12. FOR SLOPES GREATER THAN 1:12, REFER TO EVERGUARD DETAIL 218 OR 219.
4. FLEXSEAL™ CAULK GRADE SEALANT SHOULD BE FEATHERED OUT AND APPLIED TO BOTH INSIDE AND OUTSIDE EDGES. ENSURE PRIMER EXTENDS UNDER FLEXSEAL™ CAULK GRADE SEALANT.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
215B

SCALE
N.T.S.

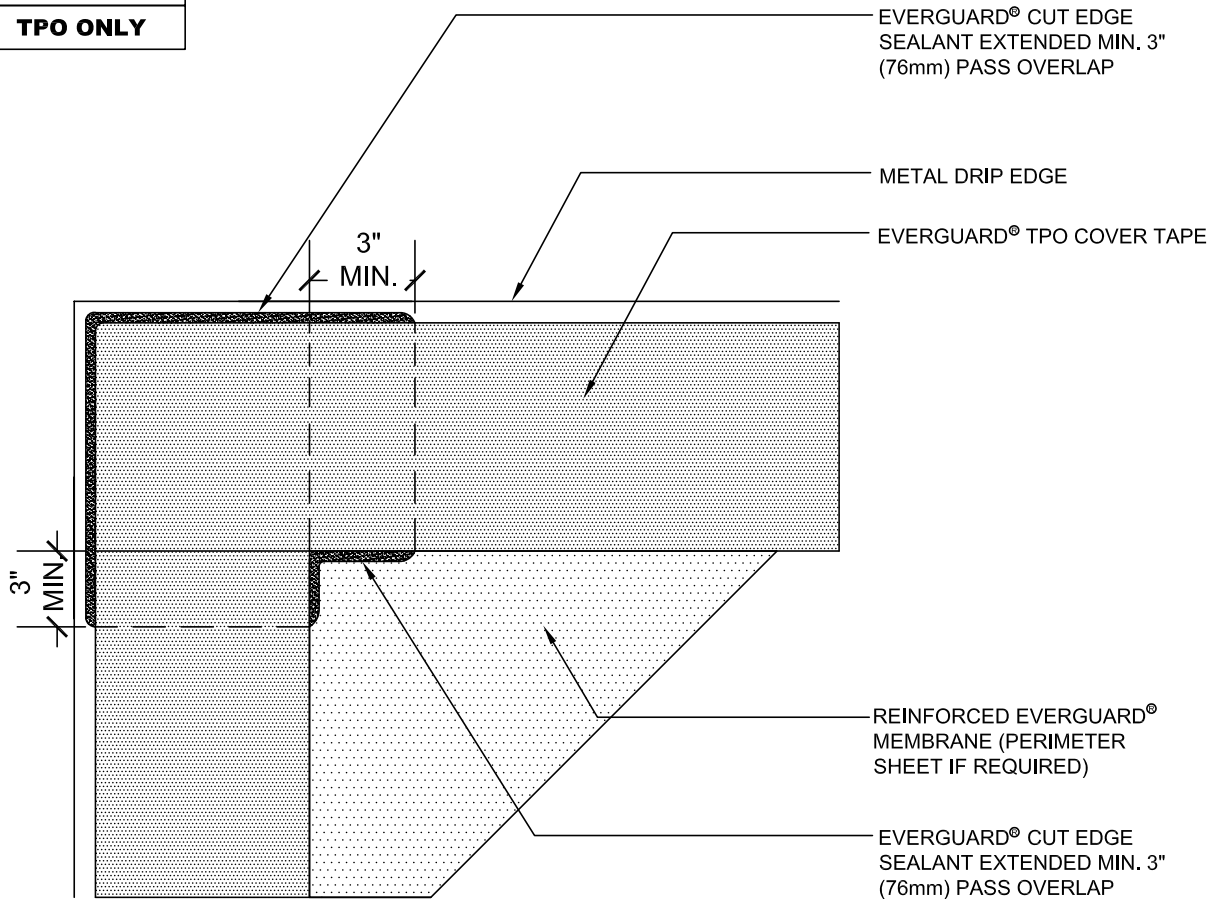
**COVER TAPE OVERLAP AT ROOF
EDGE DETAIL**

THIS DETAIL APPLIES TO:
Adhered Systems
Mechanically Attached Systems
Self-Adhered Systems

REVISION DATE
12-12-17

**15-YEAR MAX
GUARANTEE**

TPO ONLY



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. CLEAN METAL AND MEMBRANE WITH EVERGUARD® TPO SEAM CLEANER AND ALLOW TO DRY. ONCE DRY, PRIME METAL AND MEMBRANE WITH EVERGUARD® TPO PRIMER BEFORE INSTALLING EVERGUARD® TPO COVER TAPE.
3. THIS DETAIL IS **NOT** TO BE USED ON SLOPES GREATER THAN 1:12. FOR SLOPES GREATER THAN 1:12, REFER TO EVERGUARD DETAIL 218 OR 219 .
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
216A

SCALE
N.T.S.

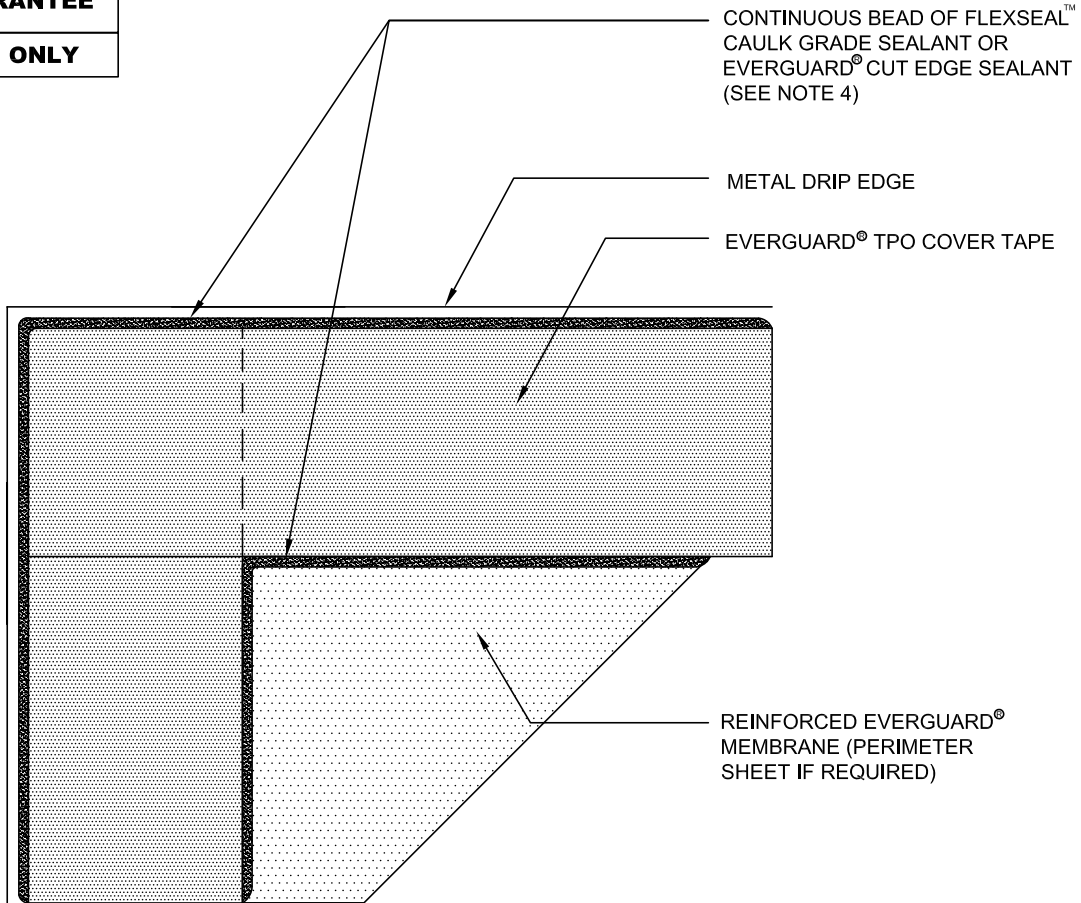
**COVER TAPE AT ROOF EDGE
CORNER DETAIL**

THIS DETAIL APPLIES TO:
Adhered Systems
Mechanically Attached Systems
Self - Adhered Systems

REVISION DATE
12-12-17

**20-YEAR MAX
GUARANTEE**

TPO ONLY



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. CLEAN METAL AND MEMBRANE WITH EVERGUARD® TPO SEAM CLEANER AND ALLOW TO DRY. ONCE DRY, PRIME METAL AND MEMBRANE WITH EVERGUARD® TPO PRIMER BEFORE INSTALLING EVERGUARD® TPO COVER TAPE.
3. THIS DETAIL IS **NOT** TO BE USED ON SLOPES GREATER THAN 1:12. FOR SLOPES GREATER THAN 1:12, REFER TO EVERGUARD DETAIL 218 OR 219.
4. FLEXSEAL™ CAULK GRADE SEALANT SHOULD BE FEATHERED OUT AND APPLIED TO BOTH INSIDE AND OUTSIDE EDGES. ENSURE PRIMER EXTENDS UNDER FLEXSEAL™ CAULK GRADE SEALANT.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
216B

SCALE
N.T.S.

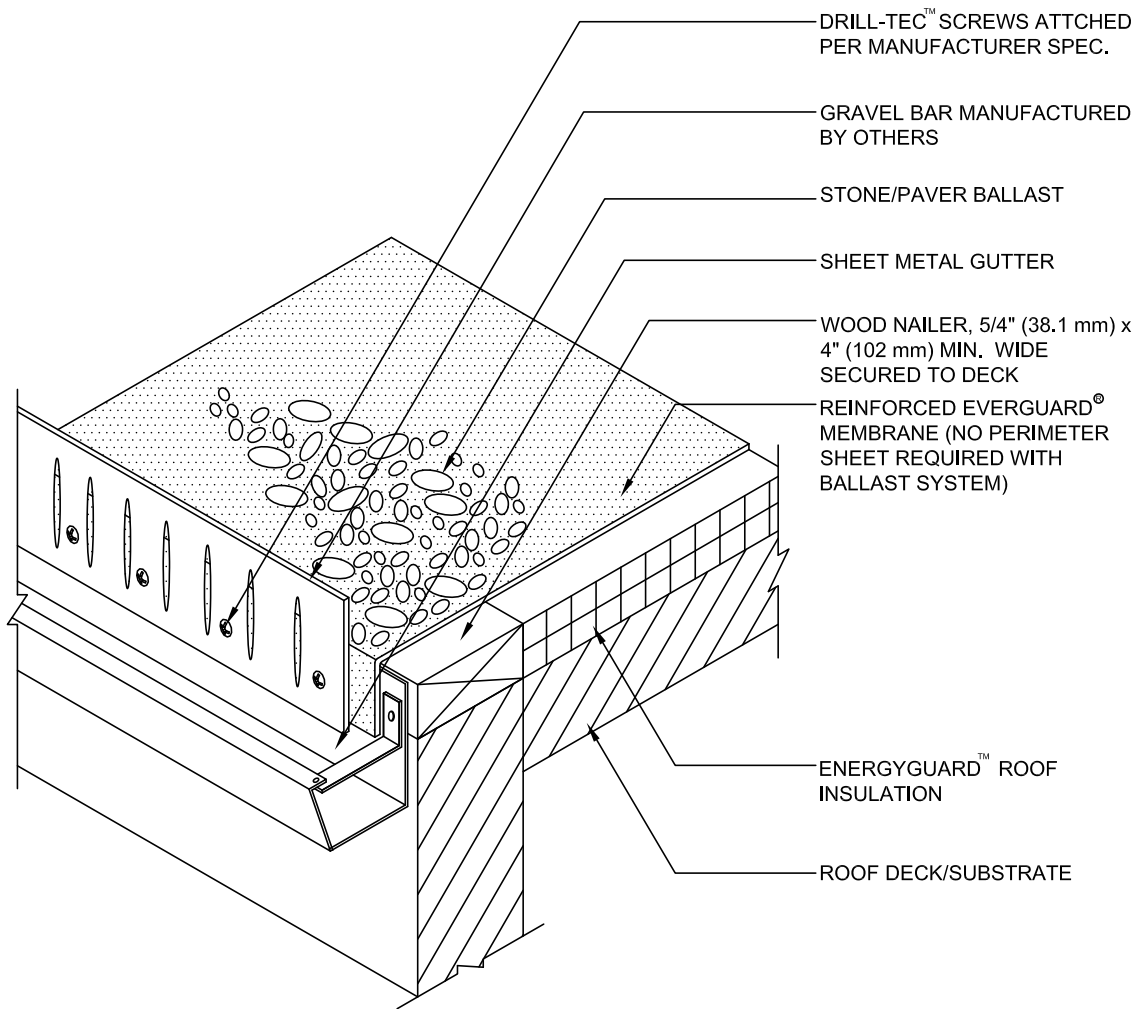
**COVER TAPE AT ROOF EDGE
CORNER DETAIL**

THIS DETAIL APPLIES TO:
Adhered Systems
Mechanically Attached Systems
Self-Adhered Systems

REVISION DATE
12-12-17

ARCHITECTURAL DETAIL DRAWINGS

EverGuard® TPO/PVC Architectural Roofing Details Manual



NOTE:

1. ADD BALLAST PER SPECIFICATION FOR BALLASTED SYSTEMS.
2. GUTTER IS OPTIONAL.
3. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #

217

SCALE
N.T.S.

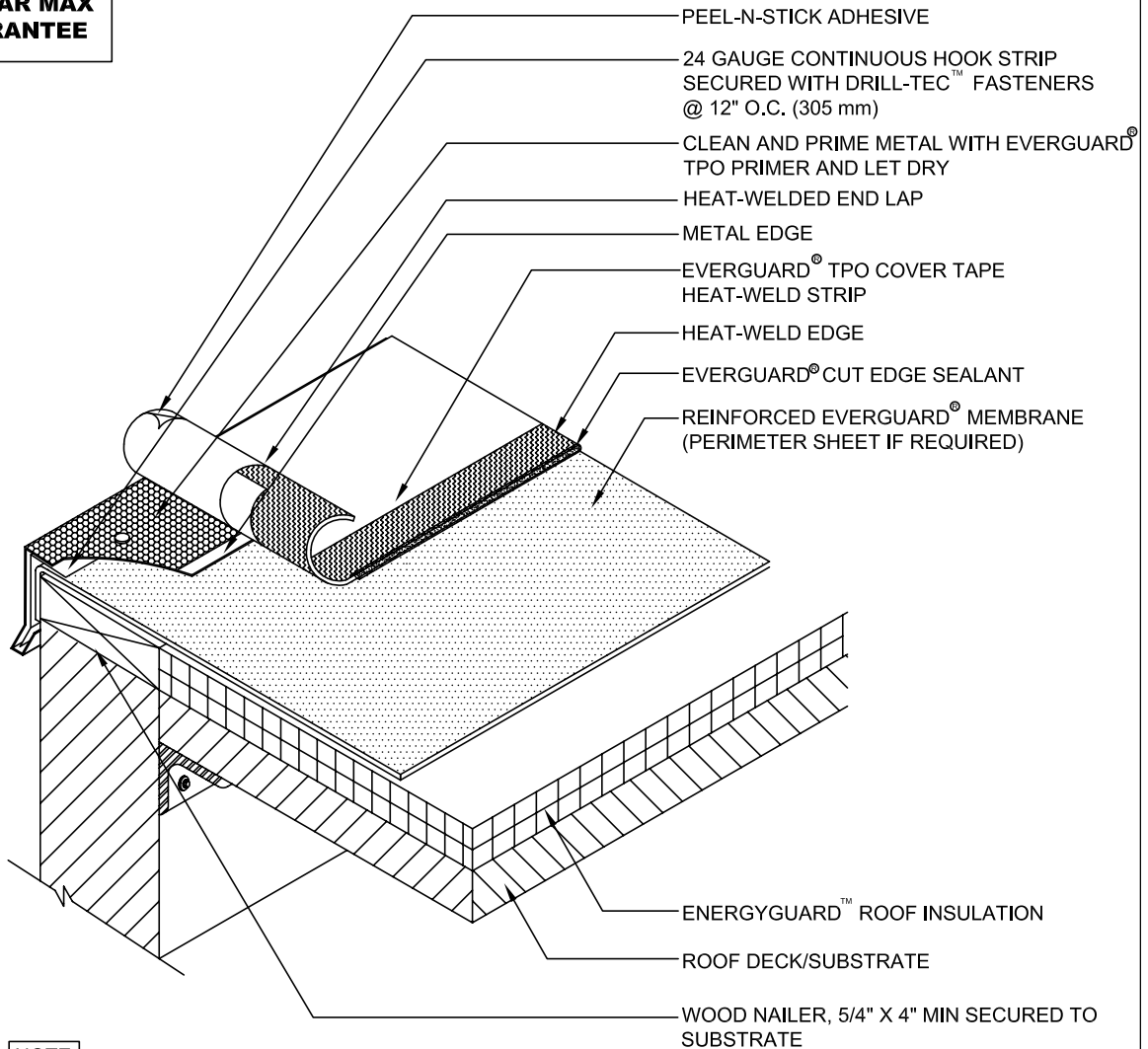
METAL EDGE DETAIL

THIS DETAIL APPLIES TO:

**Ballasted Applied
Systems**

REVISION DATE
5-1-16

**20-YEAR MAX
GUARANTEE**



NOTE:

1. EVERGUARD® TPO COVER TAPE HEAT-WELD ONLY TO BE USED WITH EVERGUARD® TPO MEMBRANE.
2. 25-YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.
3. PRIME THE METAL ONLY WITH EVERGUARD® TPO PRIMER. DO NOT SPILL PRIMER ON WELDED SEAM AREA.
4. HEAT-WELD THE MEMBRANE (NON-ADHESIVE SIDE ONLY) TO MEMBRANE AREA USING EITHER A ROBOTIC OR HAND WELDER TO SPEC.
5. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
6. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #

218

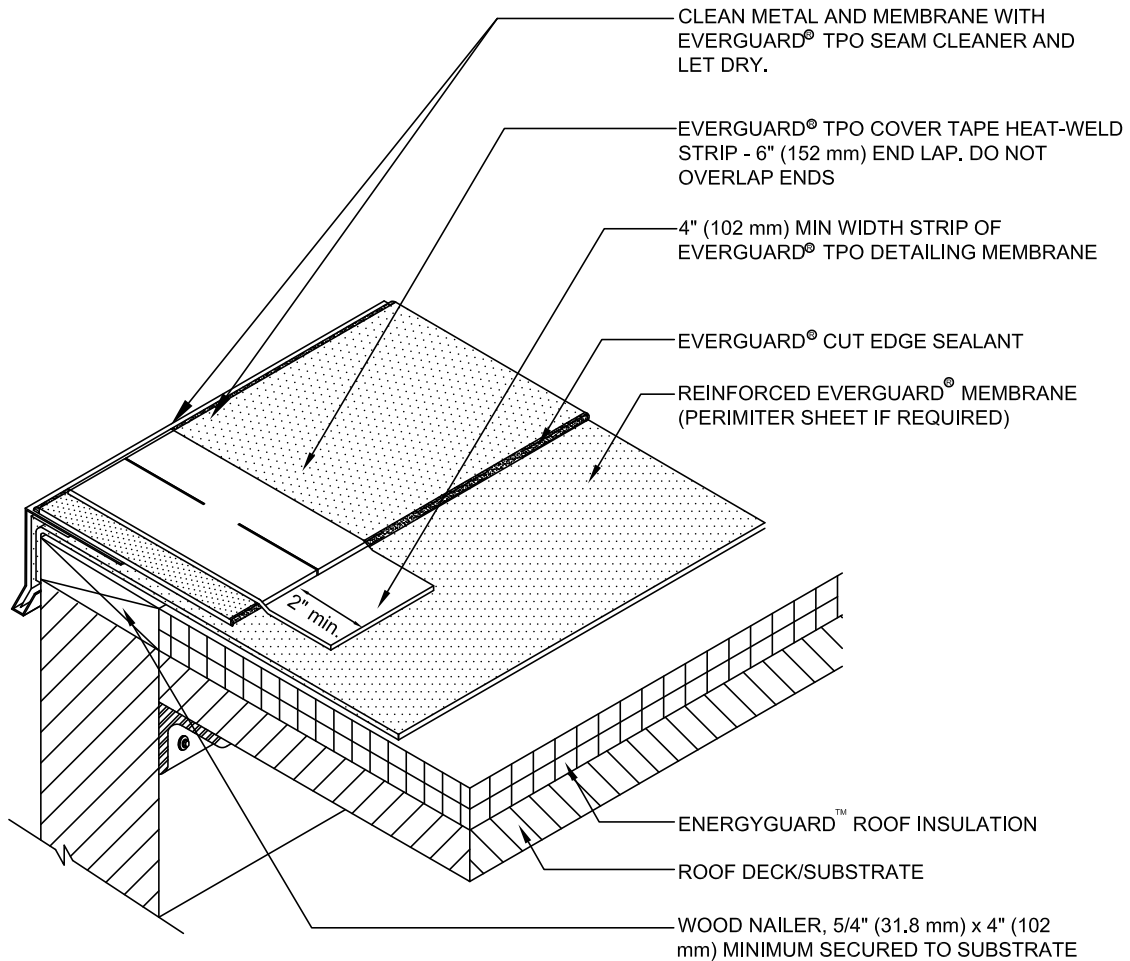
SCALE
N.T.S.

**TPO COVER TAPE HEAT-WELD STRIP
OVERLAP AT ROOF EDGE DETAIL**

THIS DETAIL APPLIES TO:
Adhered Systems
Mechanically Attached
Systems

REVISION DATE
12-12-17

**20 YEAR MAX
GUARANTEE**



NOTE:

1. EVERGUARD® TPO COVER TAPE HEATWELD STRIP ONLY TO BE USED WITH TPO MEMBRANE SYSTEMS ONLY.
2. PRIME THE METAL ONLY WITH EVERGUARD TPO PRIMER. DO NOT SPILL PRIMER ON WELDED SEAM AREA.
3. HEAT WELD THE MEMBRANE (NON-ADHESIVE SIDE ONLY) TO MEMBRANE AREA USING EITHER A ROBOTIC OR HAND WELDER TO SPEC.
4. REFER TO DETAIL 218 FOR EVERGUARD® COVER TAPE HEATWELD ROOF EDGE INSTALLATION.
5. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
6. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
219

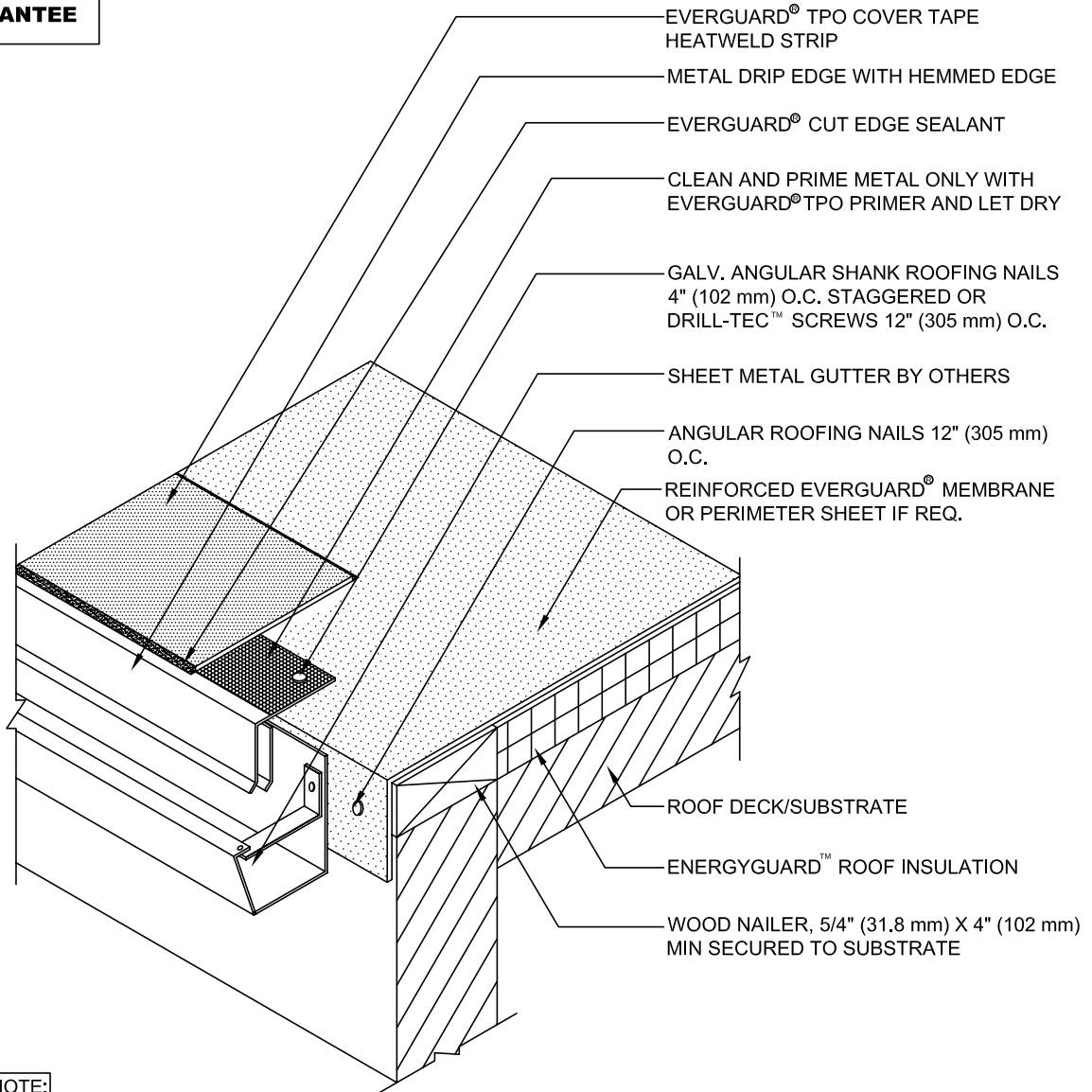
SCALE
N.T.S.

**COVER TAPE HEATWELD STRIP
END JOINT AT ROOF EDGE DETAIL**

THIS DETAIL APPLIES TO:
Adhered Systems
Self - Adhered Systems
Mechanically Attached Systems

REVISION DATE
12-12-17

**20-YEAR MAX
GUARANTEE**



NOTE:

1. EVERGUARD® TPO COVER TAPE HEATWELD STRIP TO BE USED WITH TPO MEMBRANE SYSTEMS ONLY.
2. PRIME THE METAL ONLY WITH EVERGUARD TPO PRIMER. DO NOT SPILL PRIMER ON WELDED SEAM AREA.
3. HEAT WELD THE MEMBRANE (NON-ADHESIVE SIDE ONLY) TO MEMBRANE AREA USING EITHER A ROBOTIC OR HAND WELDER TO SPEC.
4. REFER TO DETAIL 218 FOR EVERGUARD® COVER TAPE HEATWELD ROOF EDGE INSTALLATION.
5. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.



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EverGuard
SIMPLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
220

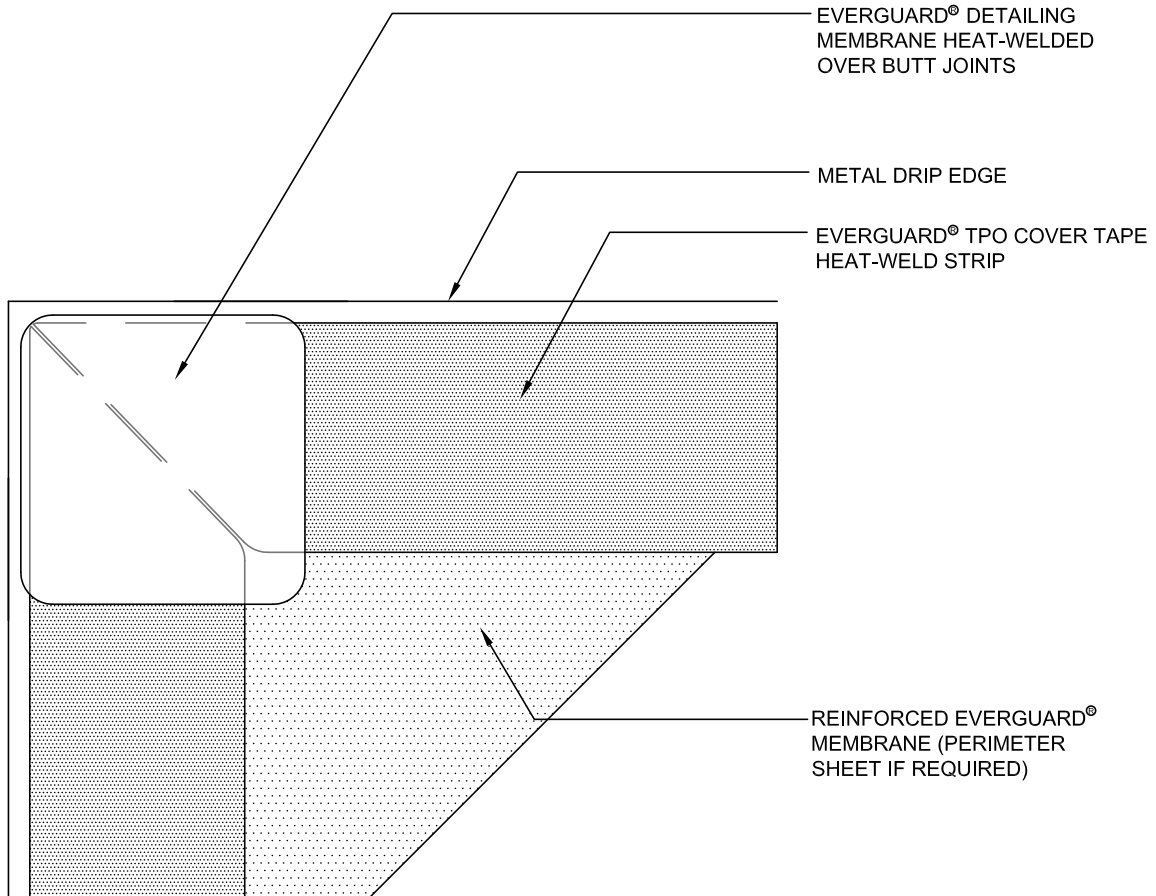
SCALE
N.T.S.

COVER TAPE HEAT-WELD STRIP AT GUTTER EDGE DETAIL

THIS DETAIL APPLIES TO:
Adhered Systems
Self-Adhered Systems
Mechanically Attached Systems

REVISION DATE
12-12-17

**20-YEAR MAX
GUARANTEE**



NOTE:

1. EVERGUARD® TPO COVER TAPE HEAT-WELD STRIP ONLY TO BE USED WITH TPO MEMBRANE SYSTEMS ONLY.
2. PRIME THE METAL ONLY WITH EVERGUARD TPO PRIMER. DO NOT SPILL PRIMER ON WELDED SEAM AREA.
3. HEAT WELD THE MEMBRANE (NON-ADHESIVE SIDE ONLY) TO MEMBRANE AREA USING EITHER A ROBOTIC OR HAND WELDER TO SPEC.
4. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.
5. REFER TO DETAIL 218 FOR EVERGUARD® COVER TAPE HEATWELD ROOF EDGE INSTALLATION.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

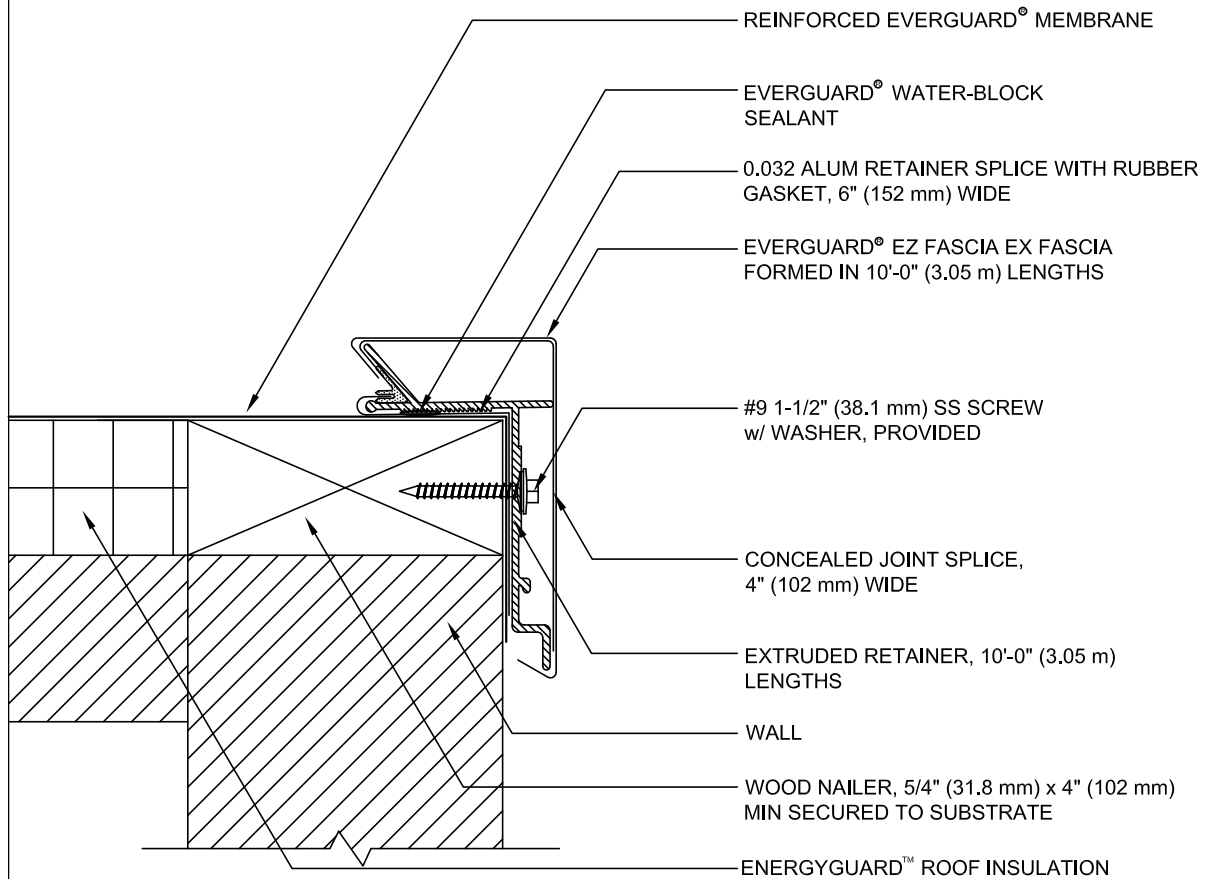
DRAWING #
221

SCALE
N.T.S.

**TPO COVER TAPE HEAT-WELD AT
METAL DRIP EDGE CORNER DETAIL**

THIS DETAIL APPLIES TO:
Adhered Systems
Mechanically Attached Systems
Self-Adhered Systems

REVISION DATE
10-3-17



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

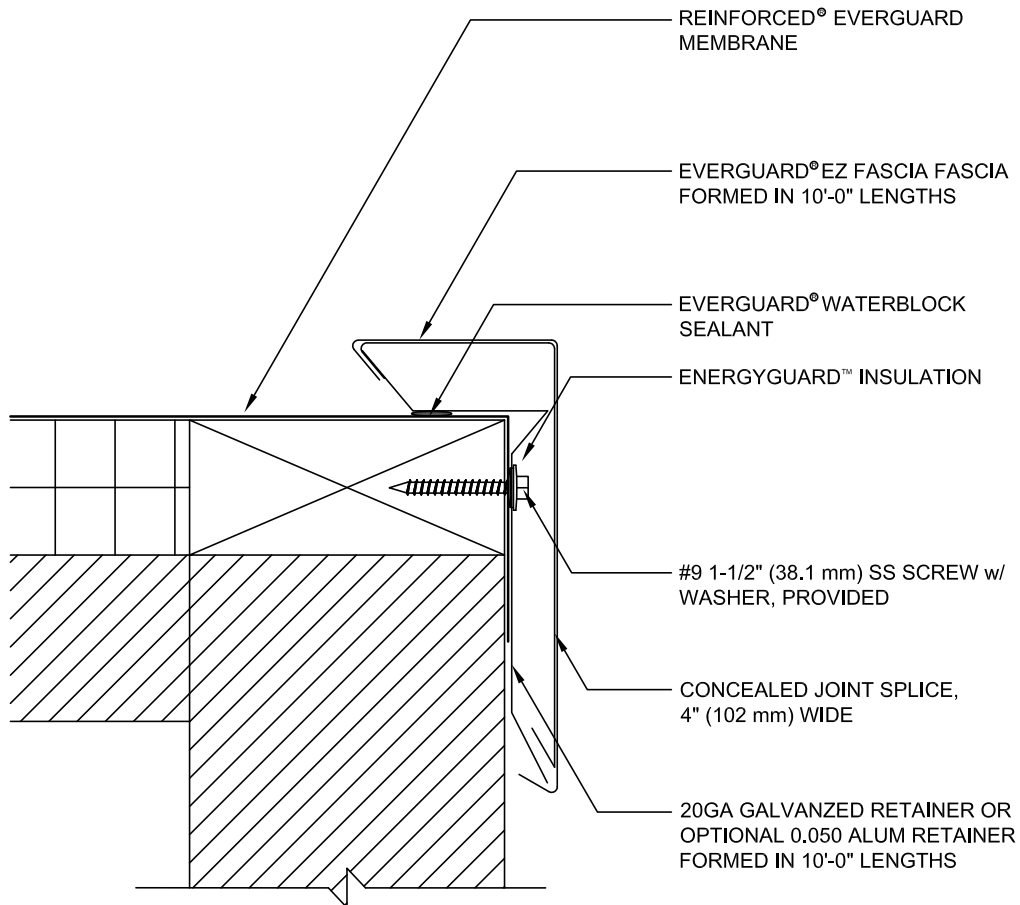
DRAWING #
231

SCALE
N.T.S.

EZ FASCIA EX DETAIL

THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
Self-Adhered Systems
Mechanically Attached Systems

REVISION DATE
12-12-17



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
232

SCALE
N.T.S.

EZ FASCIA DETAIL

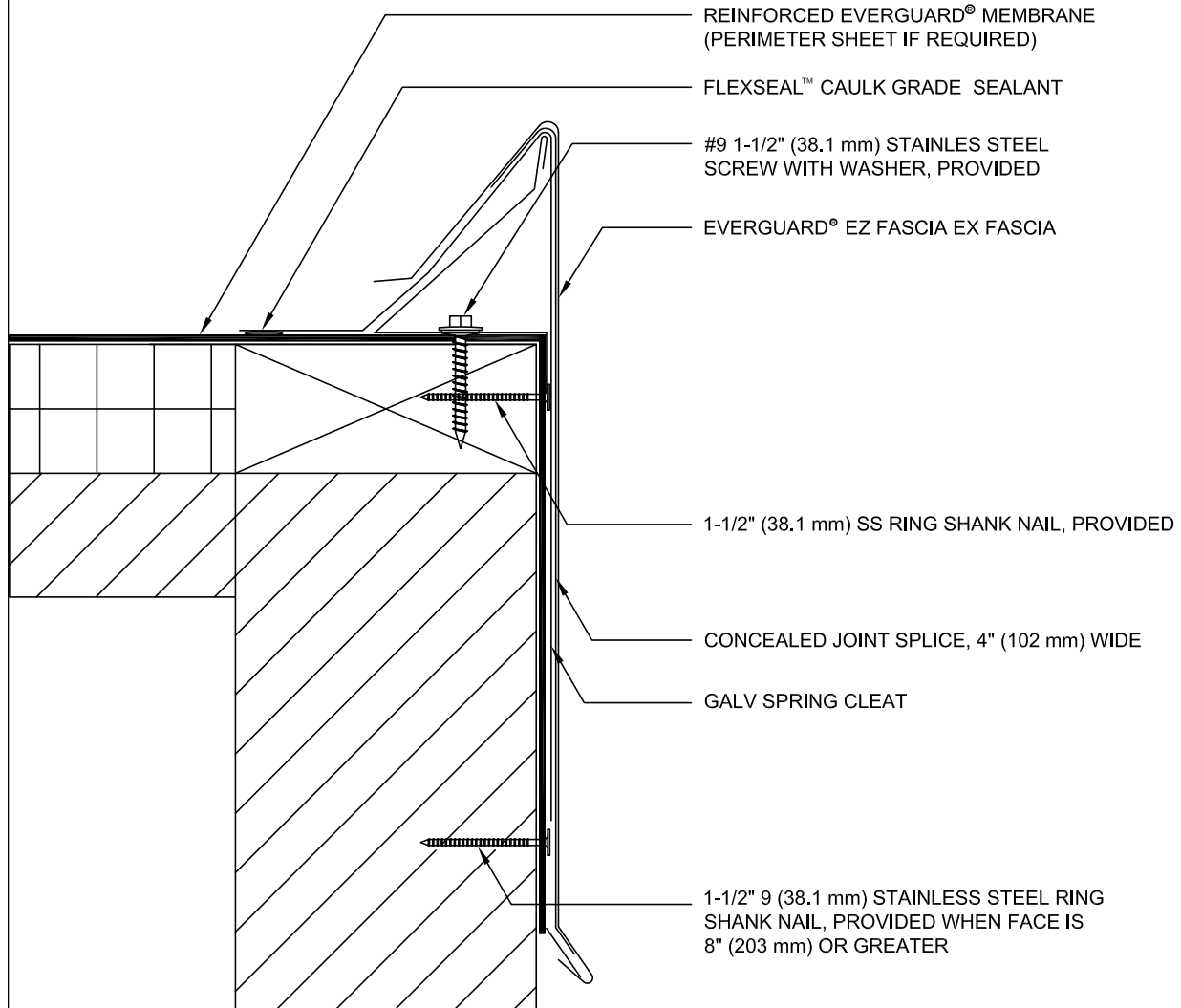
THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
Self-Adhered Systems
TriPosite Systems
Mechanically Attached Systems

REVISION DATE
9-1-17

ARCHITECTURAL DETAIL DRAWINGS

EverGuard® TPO/PVC Architectural Roofing Details Manual

200 Series
Roof Edge



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF EDGE SERIES

DRAWING #
233

SCALE
N.T.S.

SNAP-ON FASCIA DETAIL

THIS DETAIL APPLIES TO:

ALL SYSTEMS

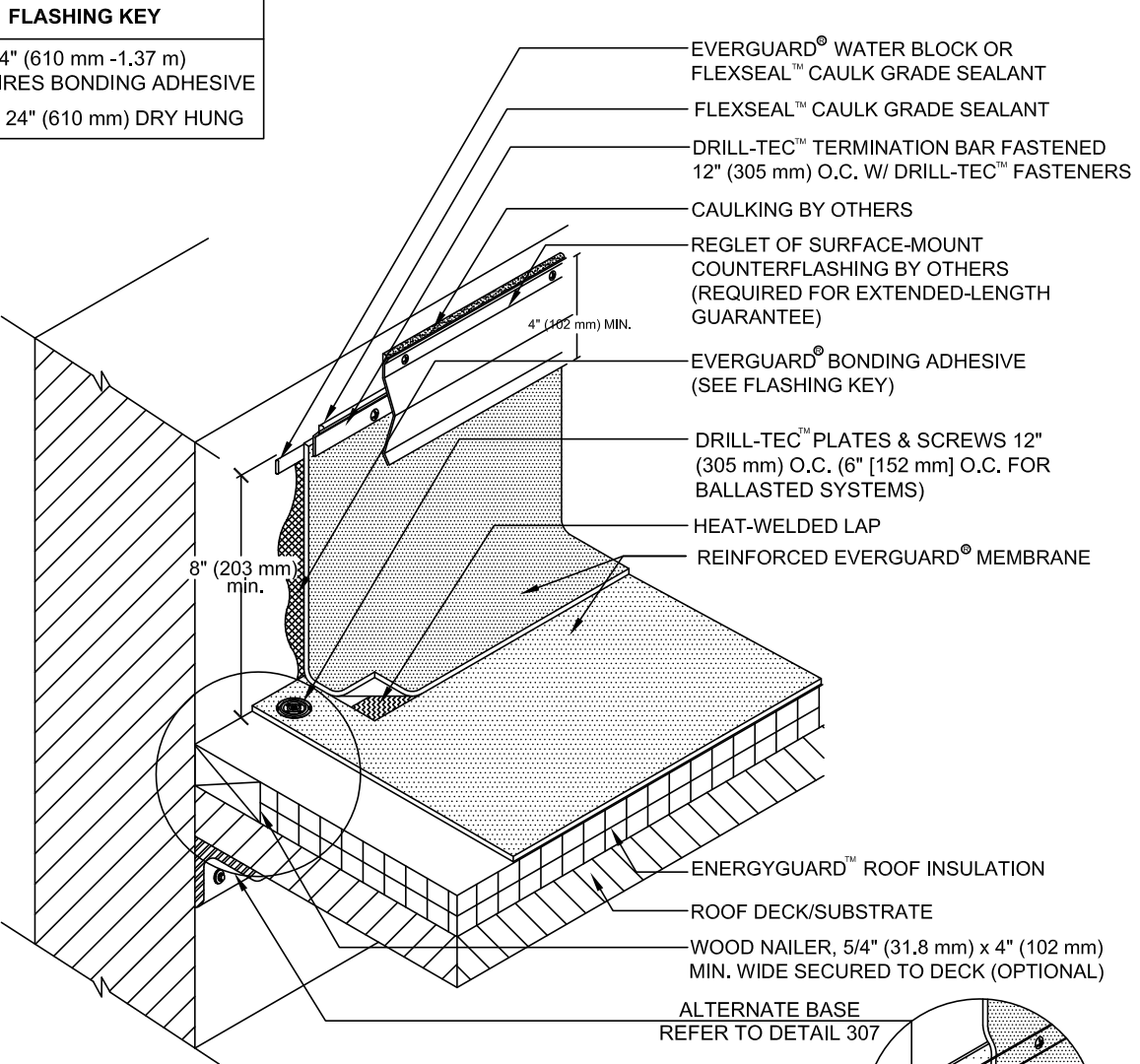
REVISION DATE
12-12-17

300 Series Wall and Curb Details



Quick access to installation videos and detail drawings for EverGuard® single-ply systems.

Visit http://www.gaf.com/roofing/commercial/smart_details for further information.



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. 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. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
301

SCALE
N.T.S.

**PARAPET WALL FLASHING WITH
COUNTERFLASHING**

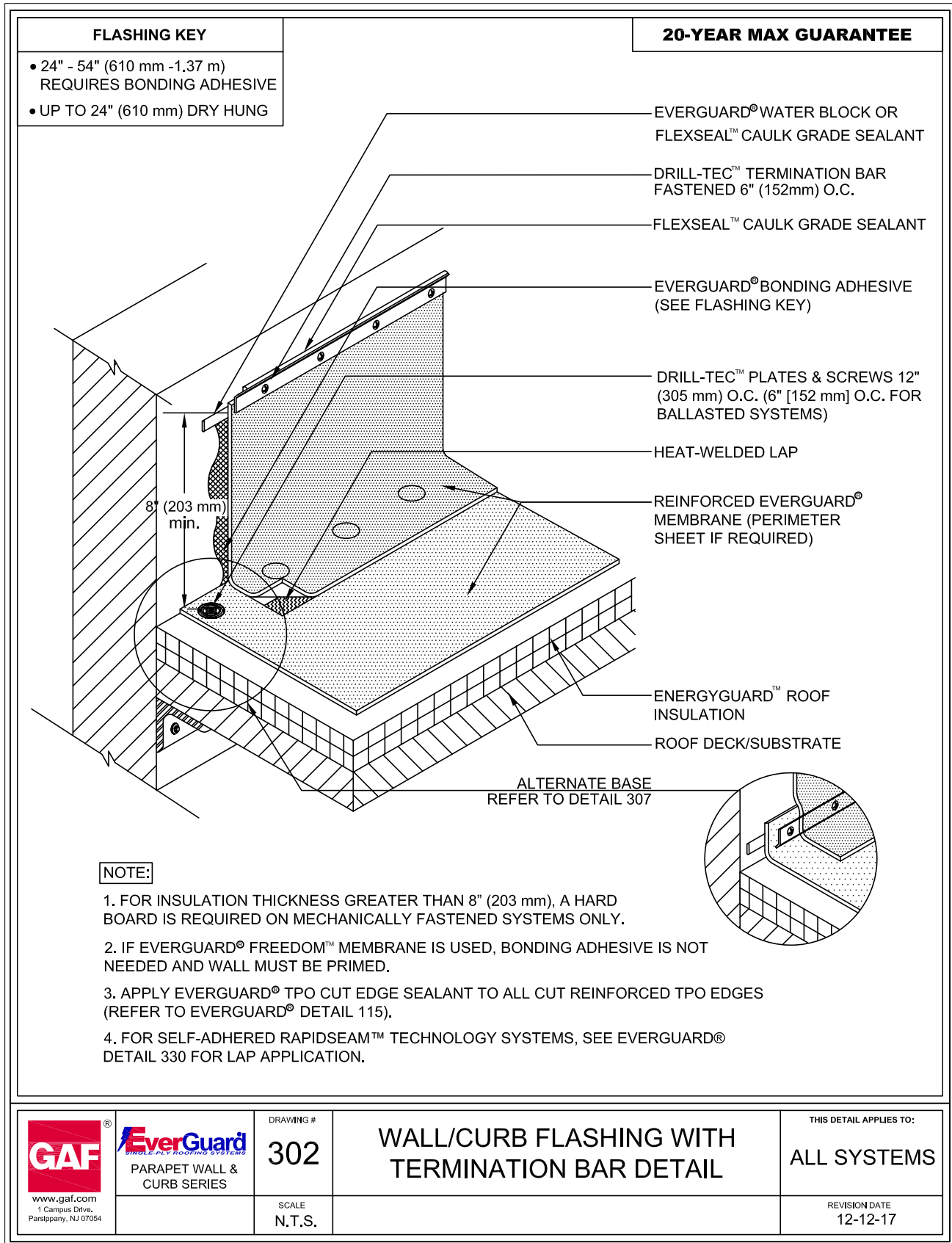
THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
6-20-16

ARCHITECTURAL DETAIL DRAWINGS

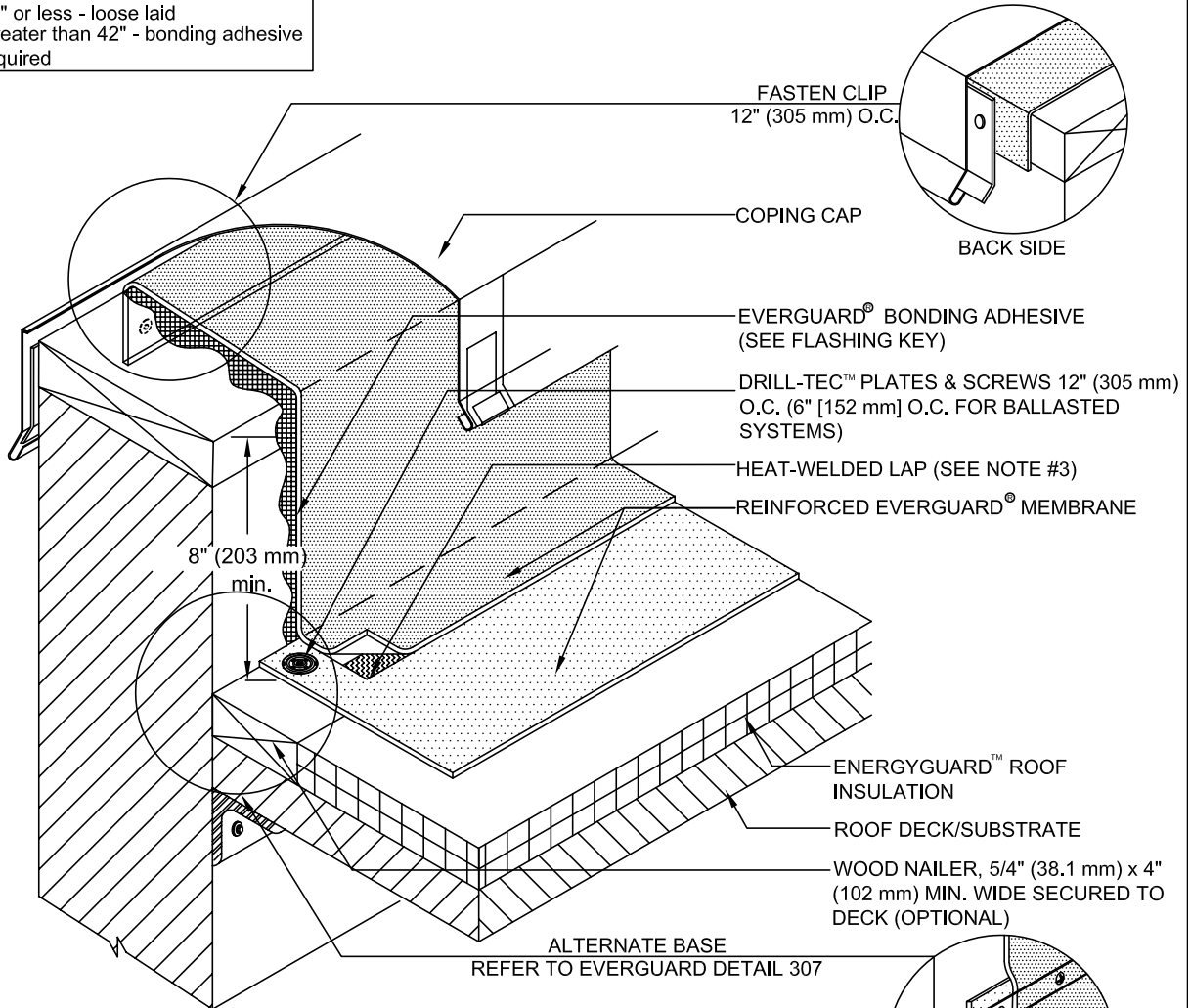
EverGuard® TPO/PVC Architectural Roofing Details Manual



FLASHING KEY

Flashing Sheets that are...

- 24" or less - loose laid
- Greater than 42" - bonding adhesive required



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).
4. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #

303

SCALE
N.T.S.

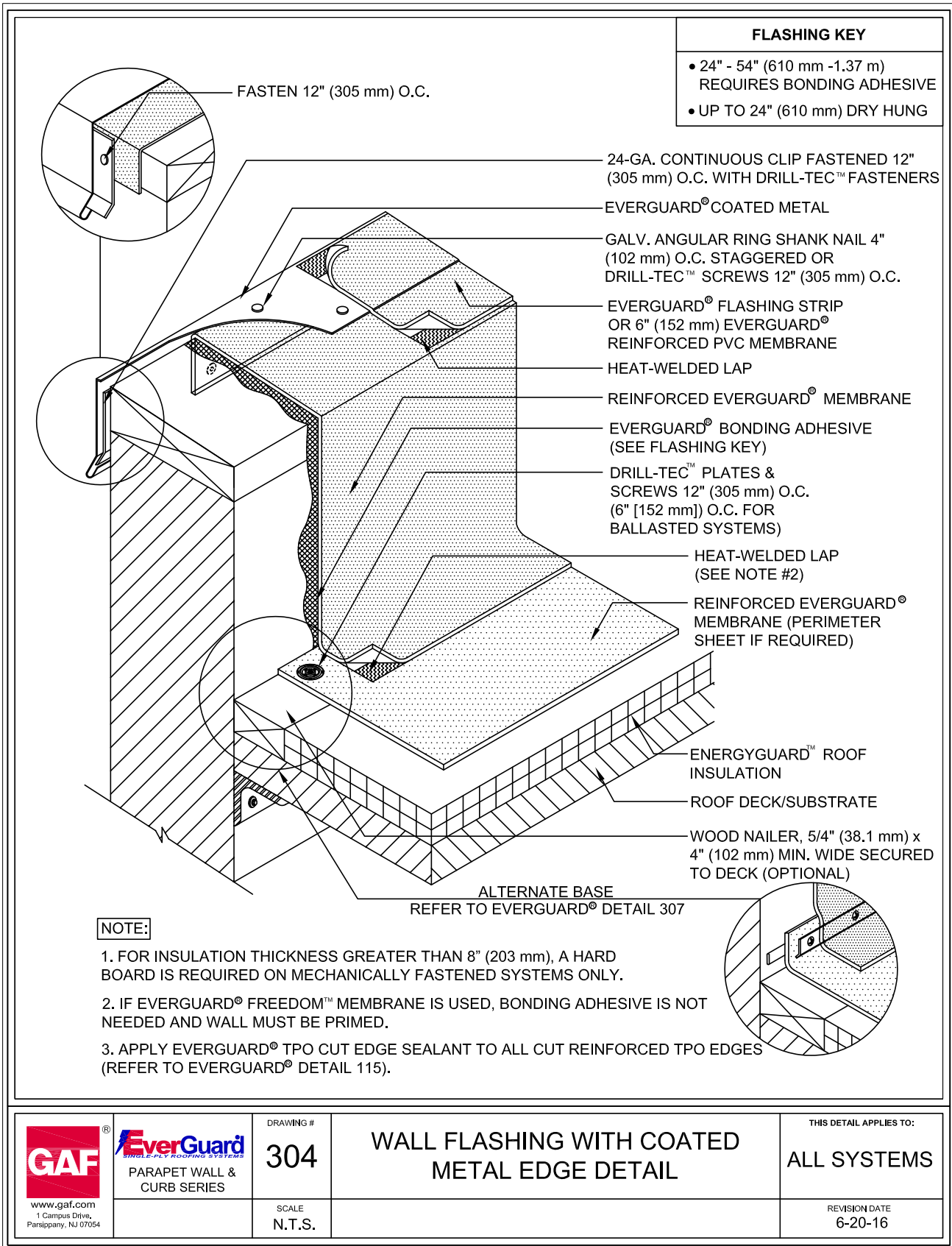
WALL CAP DETAIL

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
12-12-17

ARCHITECTURAL DETAIL DRAWINGS
EverGuard® TPO/PVC Architectural Roofing Details Manual



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
304

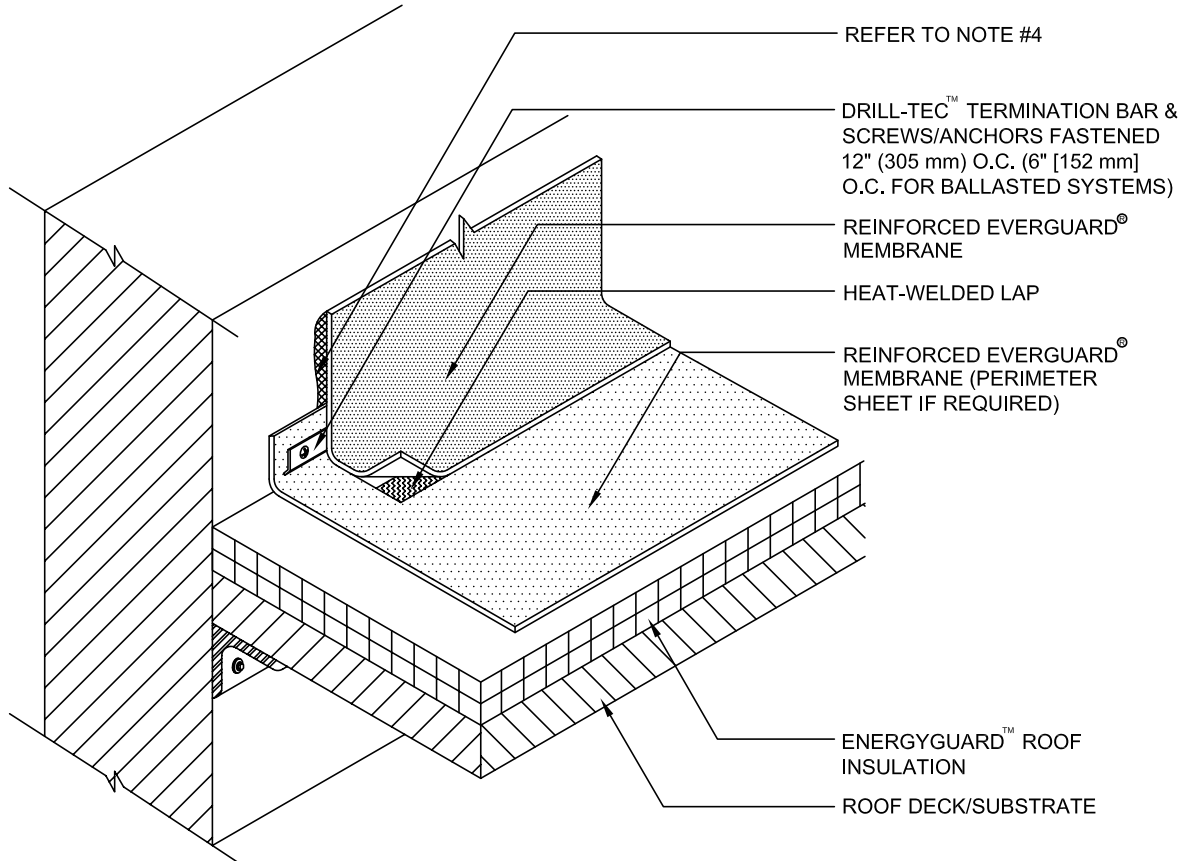
SCALE
N.T.S.

**WALL FLASHING WITH COATED
METAL EDGE DETAIL**

THIS DETAIL APPLIES TO:



ALL SYSTEMS

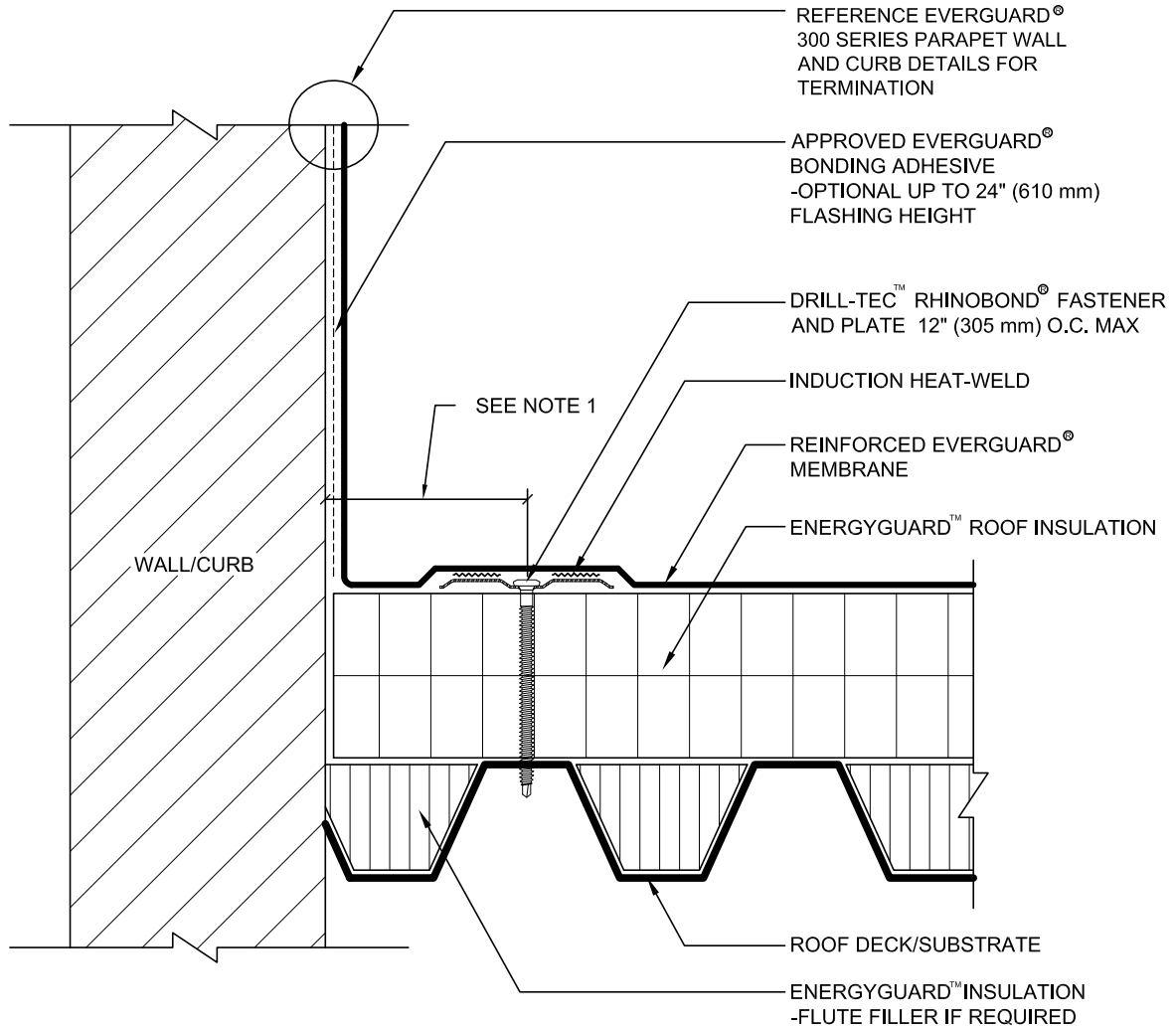
REVISION DATE
6-20-16



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. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
4. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD DETAIL 115).

<div><p>www.gaf.com 1 Campus Drive, Parsippany, NJ 07054</p></div>	<div><p>PARAPET WALL & CURB SERIES</p></div>	<div>DRAWING # 307A</div>	<div>ALTERNATE WALL BASE TERMINATION DETAIL</div>	<div>THIS DETAIL APPLIES TO: Adhered Systems Mechanically Attached Systems Self - Adhered Systems (Heat - Weld Only)</div>
		<div>SCALE N.T.S.</div>		<div>REVISION DATE 12-12-17</div>



NOTE:

1. DRILL-TEC™ RHINOBOND® FASTENER & PLATE MUST BE INSTALLED A MAXIMUM 6" (152 mm) FROM THE ANGLE CHANGE.
2. REFER TO THE DRILL-TEC™ RHINOBOND® ATTACHMENT TABLES FOR DETAILED INSTALLATION REQUIREMENTS REGARDING DECK TYPE, PLATE & FASTENER TYPE, AND MIN. EMBEDMENT.



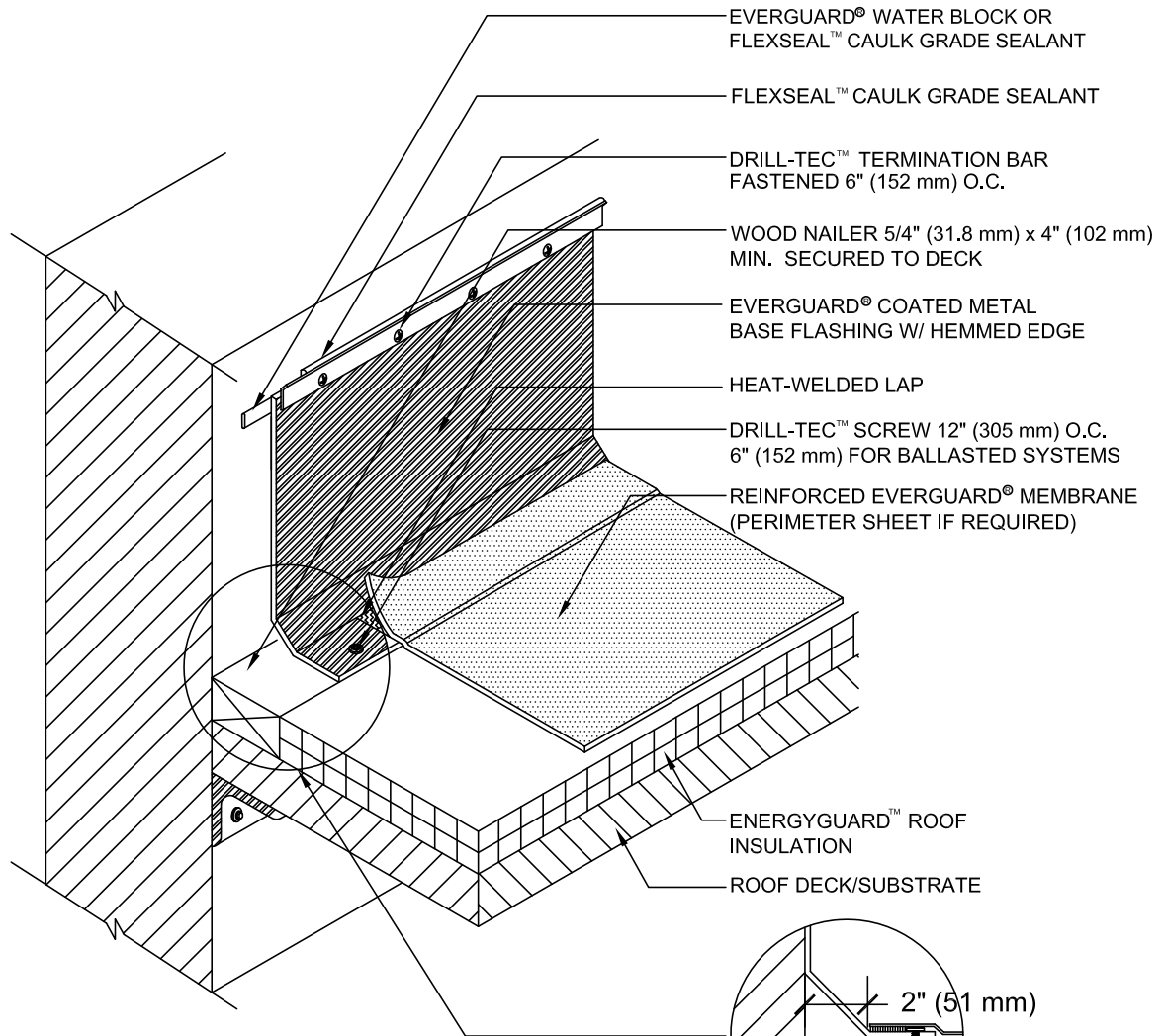
EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
307B
SCALE
N.T.S.

**BASE TIE-IN CONTINUOUS FLASHING
AT ANGLE CHANGE DETAIL**

THIS DETAIL APPLIES TO:
**RHINOBOND®
ATTACHMENT
SYSTEMS**

REVISION DATE
12-12-17



NOTE:

1. FOR EXTENDED WARRANTY, COUNTERFLASHING MUST BE USED. SEE EVERGUARD® DETAIL 301.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
3. FOR 15-YR. WARRANTY, ADD FLEXSEAL™ CAULK GRADE SEALANT BEHIND COATED METAL. ADD TERMINATION BAR EVEN WITH TOP OF COATED METAL. SECURE BAR 12" (305 mm) O.C. AND ADD FLEXSEAL™ CAULK GRADE SEALANT IN A BEAD SO THAT BOTH COATED METAL AND TERMINATION BAR ARE COVERED.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

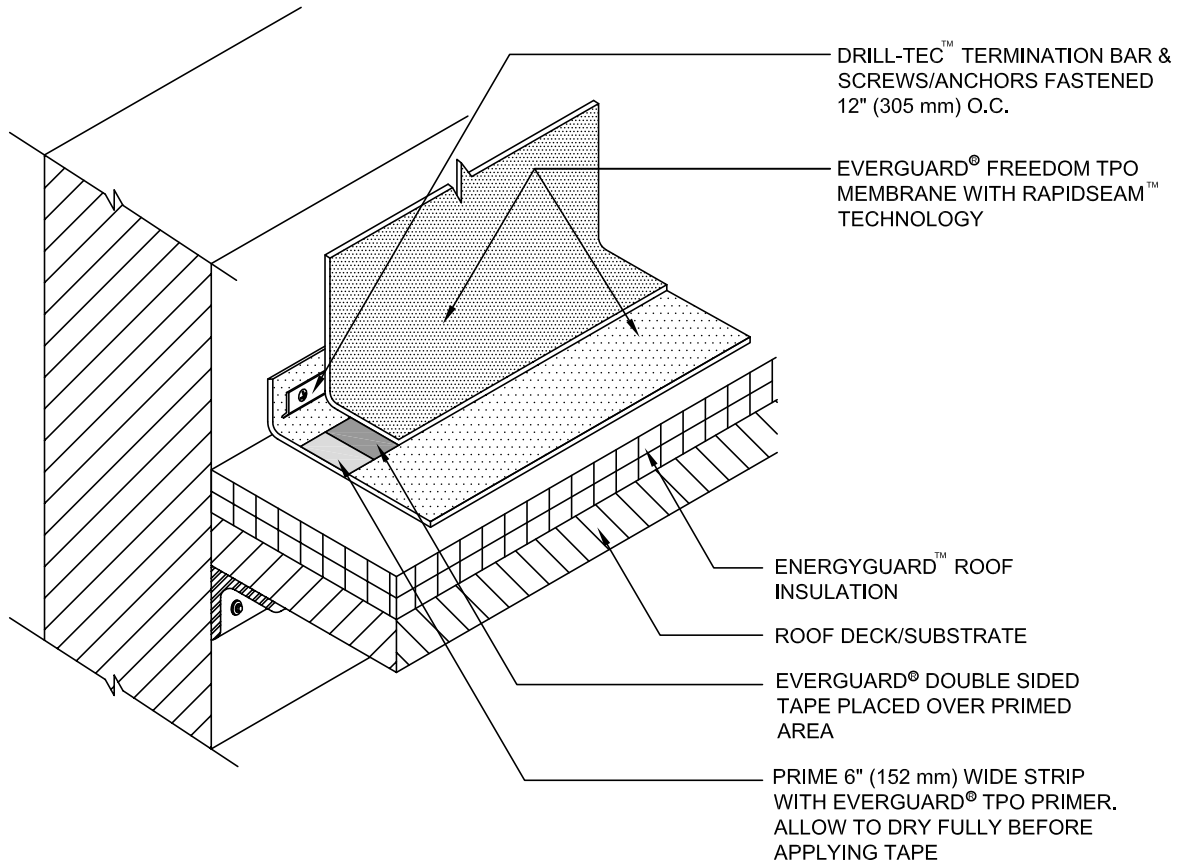
DRAWING #
308

SCALE
N.T.S.

**COATED METAL WALL
FLASHING DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
6-20-16



NOTE:

1. TERMINATION BAR NEEDED FOR PRESSURIZED SITUATIONS. PLATES & FASTENERS MAY BE USED IN LIEU OF TERM BAR IN NON-PRESSURIZED SITUATIONS.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
3. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL & CURB SERIES

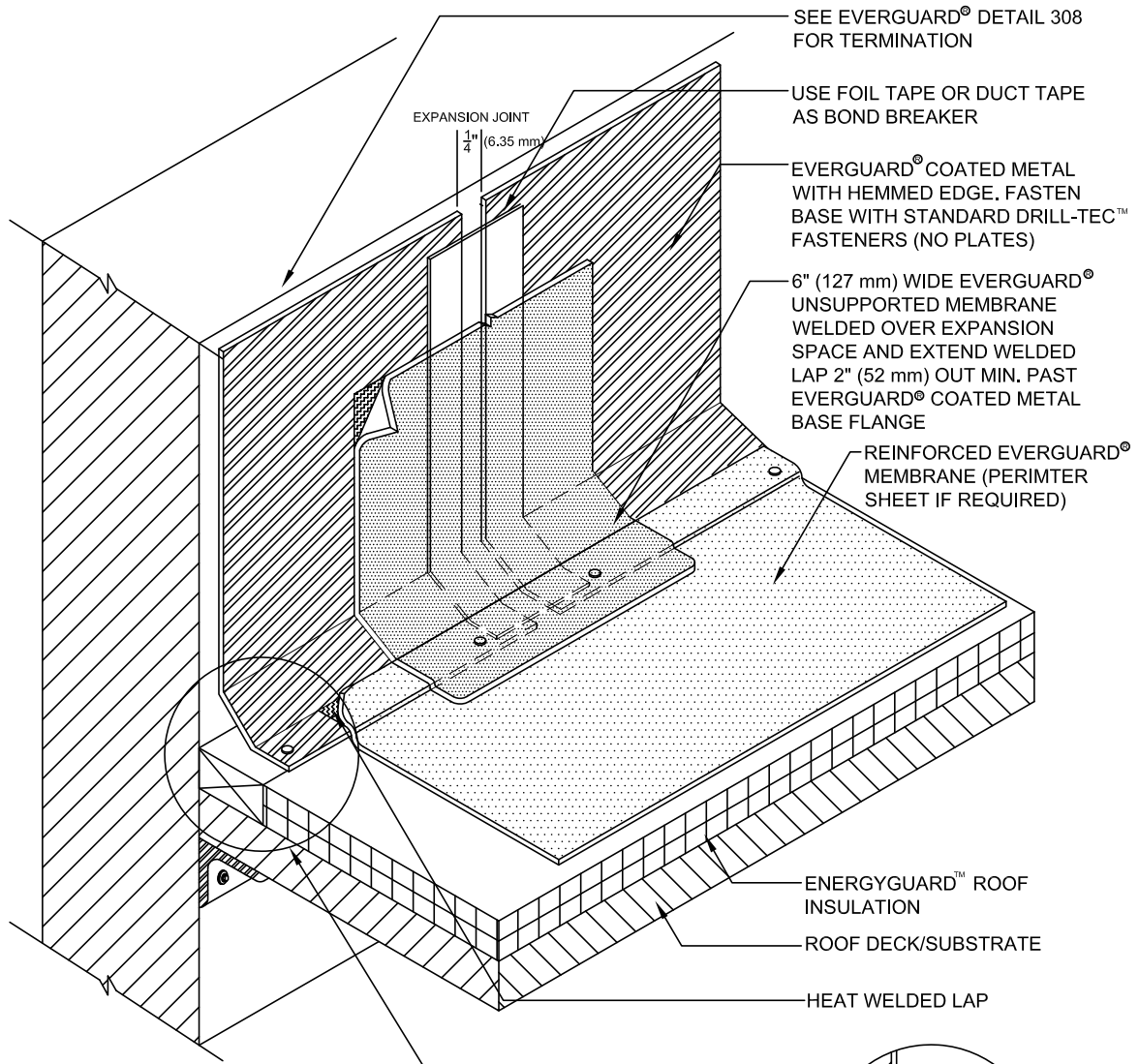
DRAWING #
309

SCALE
N.T.S.

**WALL BASE TERMINATION -
RAPIDSEAM™ DETAIL**

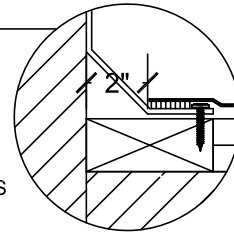
THIS DETAIL APPLIES TO:
**Self-Adhered
Systems**
(RAPIDSEAM™ TECHNOLOGY
MEMBRANE ONLY)

REVISION DATE
12-12-17



NOTE:

1. DETAIL TO BE USED IN CONJUNCTION WITH STANDARD GUIDE SPECIFICATION CONTAINING REQUIREMENTS FOR NAILERS, INSULATION ETC.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



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SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #

310

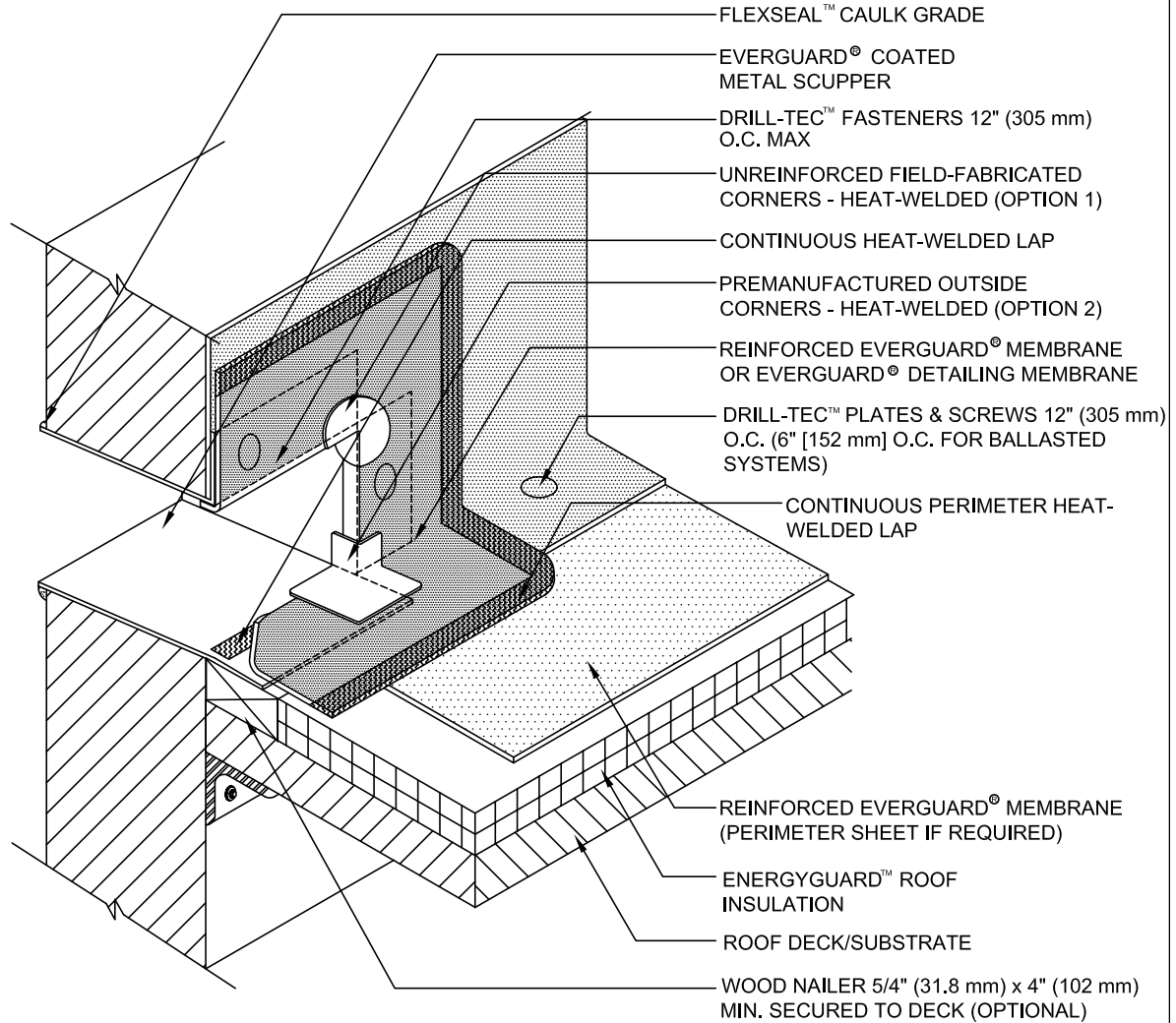
SCALE
N.T.S.

**COATED METAL WALL FLASHING
JOINT DETAIL**

THIS DETAIL APPLIES TO:

Adhered Systems
Ballasted Systems
Mechanically Attached Systems

REVISION DATE
10-3-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. REMEMBER TO INSTALL EVERGUARD® UNREINFORCED OR PREMANUFACTURED OUTSIDE CORNERS TO THE SCUPPERS' FOUR ROOF-SIDE CORNERS.
3. SCUPPER MUST BE SEALED OFF ON OUTSIDE OF BUILDING.
4. IF EVERGUARD® COATED METAL IS NOT AN OPTION ADHERE MEMBRANE TO THE NEW SCUPPER BOX.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
311

SCALE
N.T.S.

COATED METAL WALL SCUPPER DETAIL

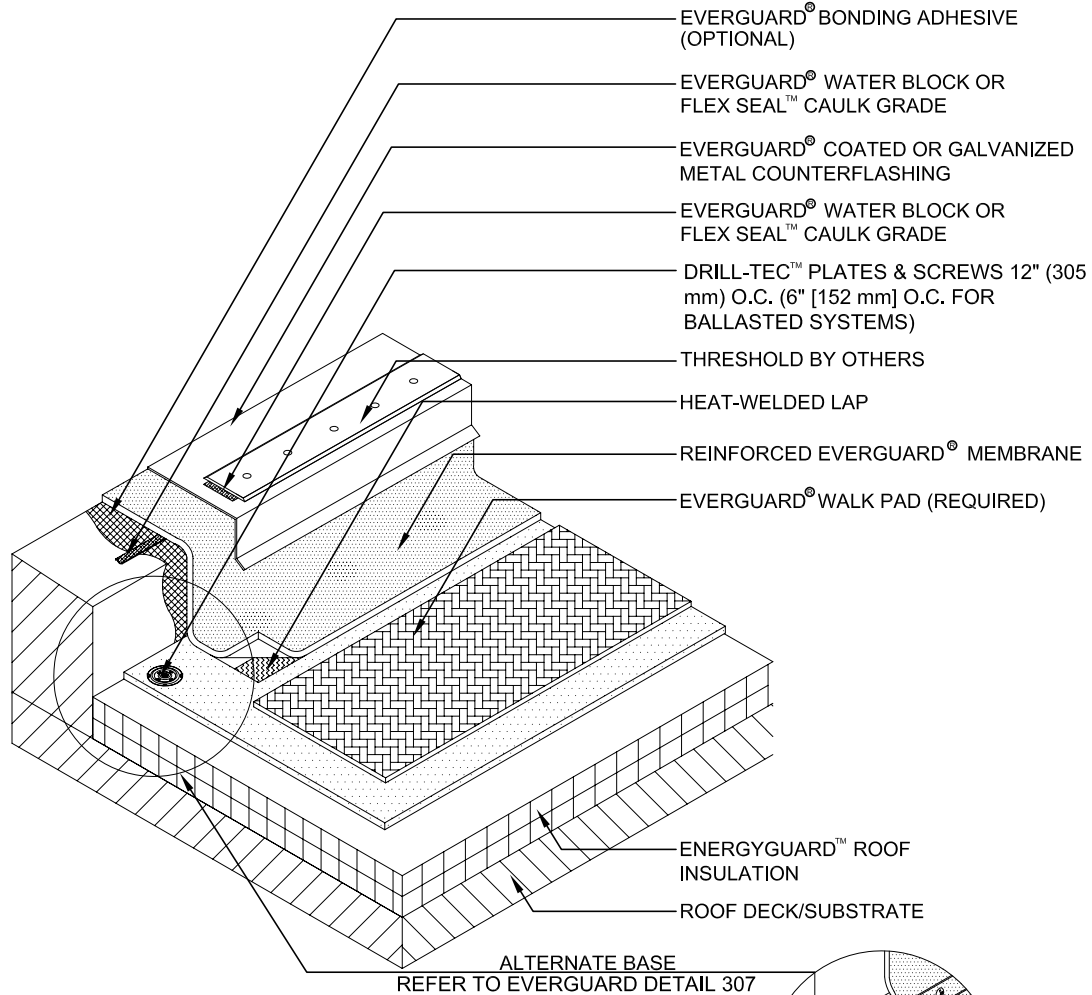
THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
Mechanically Attached Systems
Self-Adhered Systems
(Heat-Weld Systems Only)

REVISION DATE
12-12-17

ARCHITECTURAL DETAIL DRAWINGS

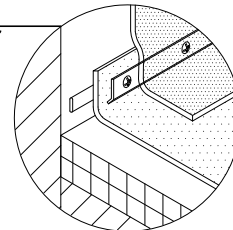
EverGuard® TPO/PVC Architectural Roofing Details Manual

300 Series
Wall and Curb



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.
2. REFERENCE EVERGUARD® DETAIL 609.
3. WALKWAY PAD OR PAVER WITH SLIP SHEET REQUIRED AT ALL ROOF ACCESS POINTS. FOR BALLASTED ATTACHED SYSTEMS PAVER IN LIEU OF PAD AND BALLAST PER SPEC.
4. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
5. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
6. FOR HEIGHTS LESS THAN 8" (203 mm) CONTACT GAF FOR MORE INFORMATION.
7. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



www.gaf.com
1 Campus Drive,
Parsippany, NJ 07054

EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #

312

SCALE
N.T.S.

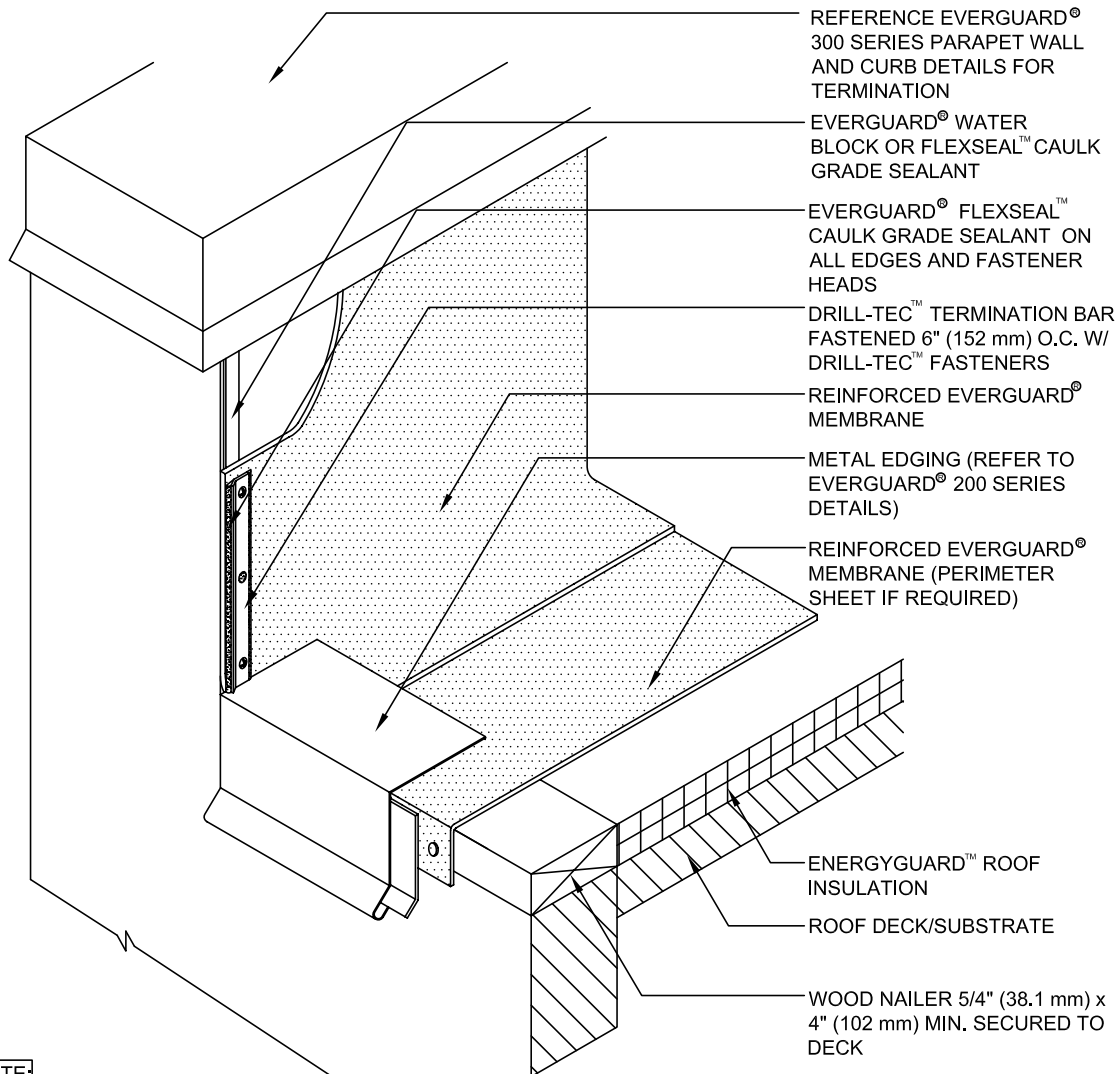
THRESHOLD FLASHING DETAIL

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
6-20-16

ARCHITECTURAL DETAIL DRAWINGS
EverGuard® TPO/PVC Architectural Roofing Details Manual



NOTE:

1. FLEXSEAL™ CAULK GRADE SEALANT IS TO BE ADDED TO ALL TERMINATION BAR EDGES, OPEN HOLES, AND DRILL-TEC™ FASTENER HEADS.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
3. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
4. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO DETAIL EVERGUARD® 115).



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SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

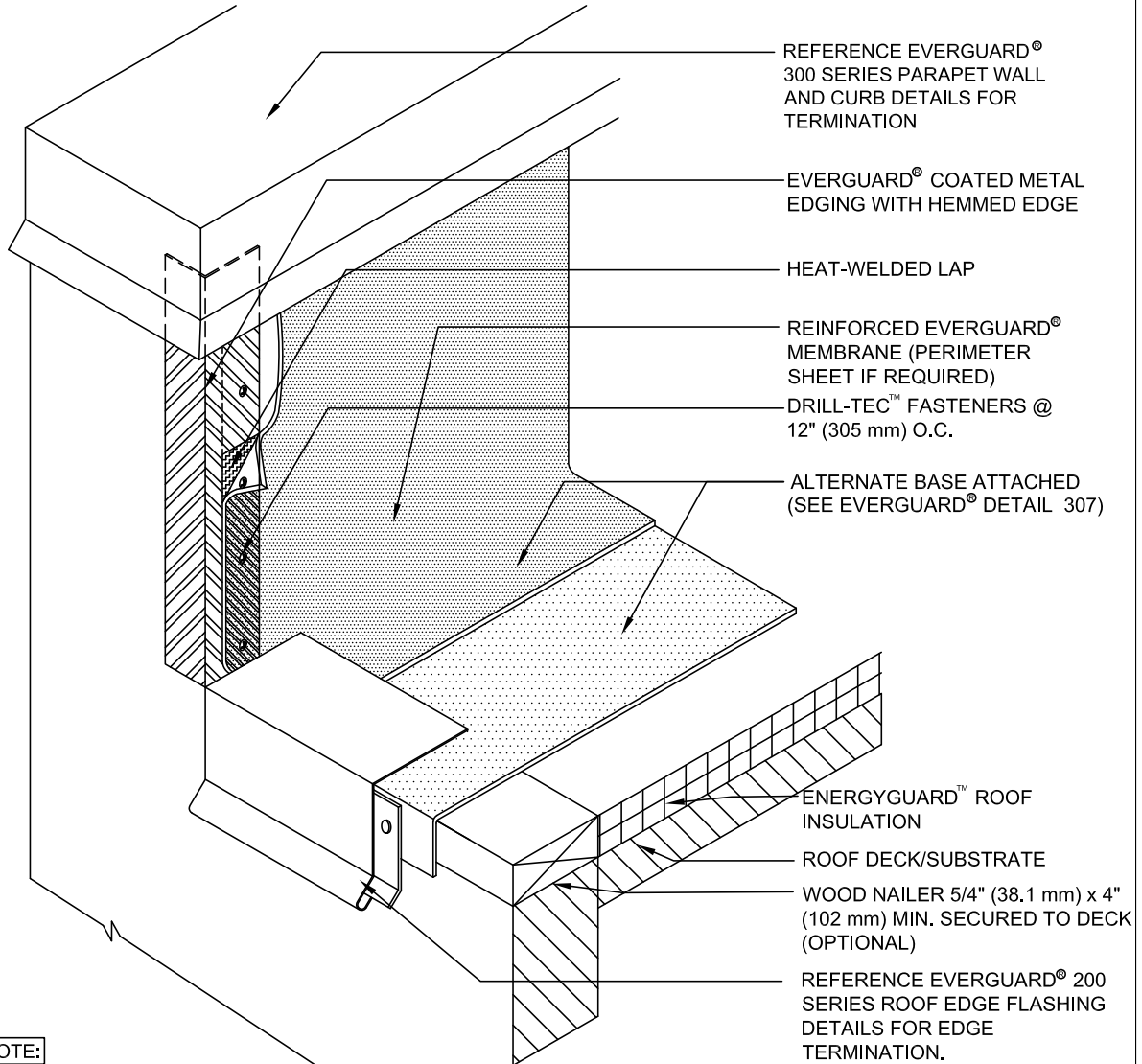
DRAWING #
313

SCALE
N.T.S.

**WALL EDGE FLASHING WITH
TERMINATION BAR DETAIL**

THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
Mechanically Attached Systems
Self-Adhered Systems

REVISION DATE
12-12-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
3. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
4. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
314

SCALE
N.T.S.

**VERTICAL WALL EDGE TERMINATION
WITH COATED METAL DETAIL**

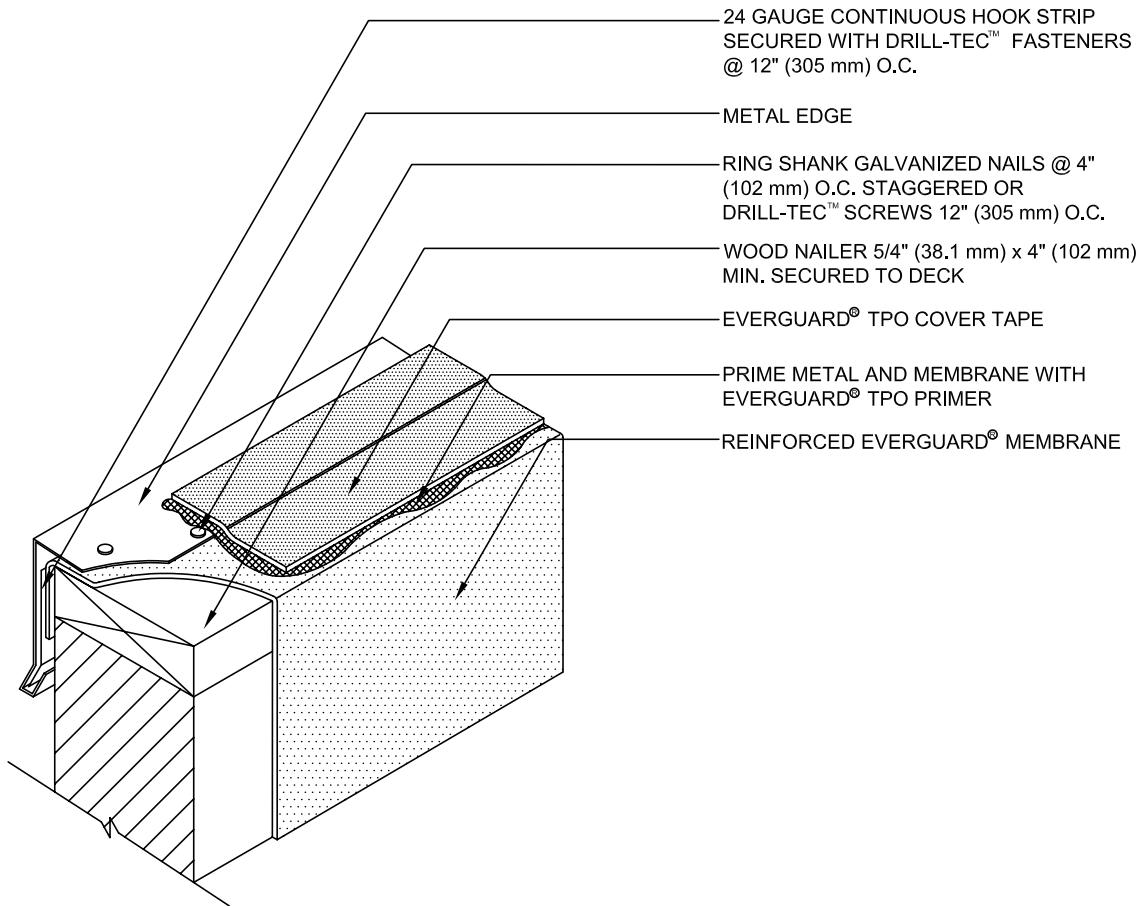
THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
12-12-17

ARCHITECTURAL DETAIL DRAWINGS

EverGuard® TPO/PVC Architectural Roofing Details Manual

**20-YEAR MAX
GUARANTEE**



NOTE:

1. METAL JOINTS ON THE ROOF SIDE CAN BE CAULKED USING EVERGUARD® CUT EDGE SEALANT. DO NOT RUN TAPE UP CANTED METAL OF GRAVEL STOP.
2. EVERGUARD® TPO COVER TAPE TO BE USED ONLY ON EVERGUARD® TPO MEMBRANE SYSTEMS.
3. EVERGUARD® TPO COVER TAPE TO BE USED ONLY ON HORIZONTAL SURFACES, NOT TURNED VERTICALLY.
4. EVERGUARD® TPO COVER TAPE HEAT-WELD USED FOR LONGER GUARANTEES.
5. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
6. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #

316

SCALE

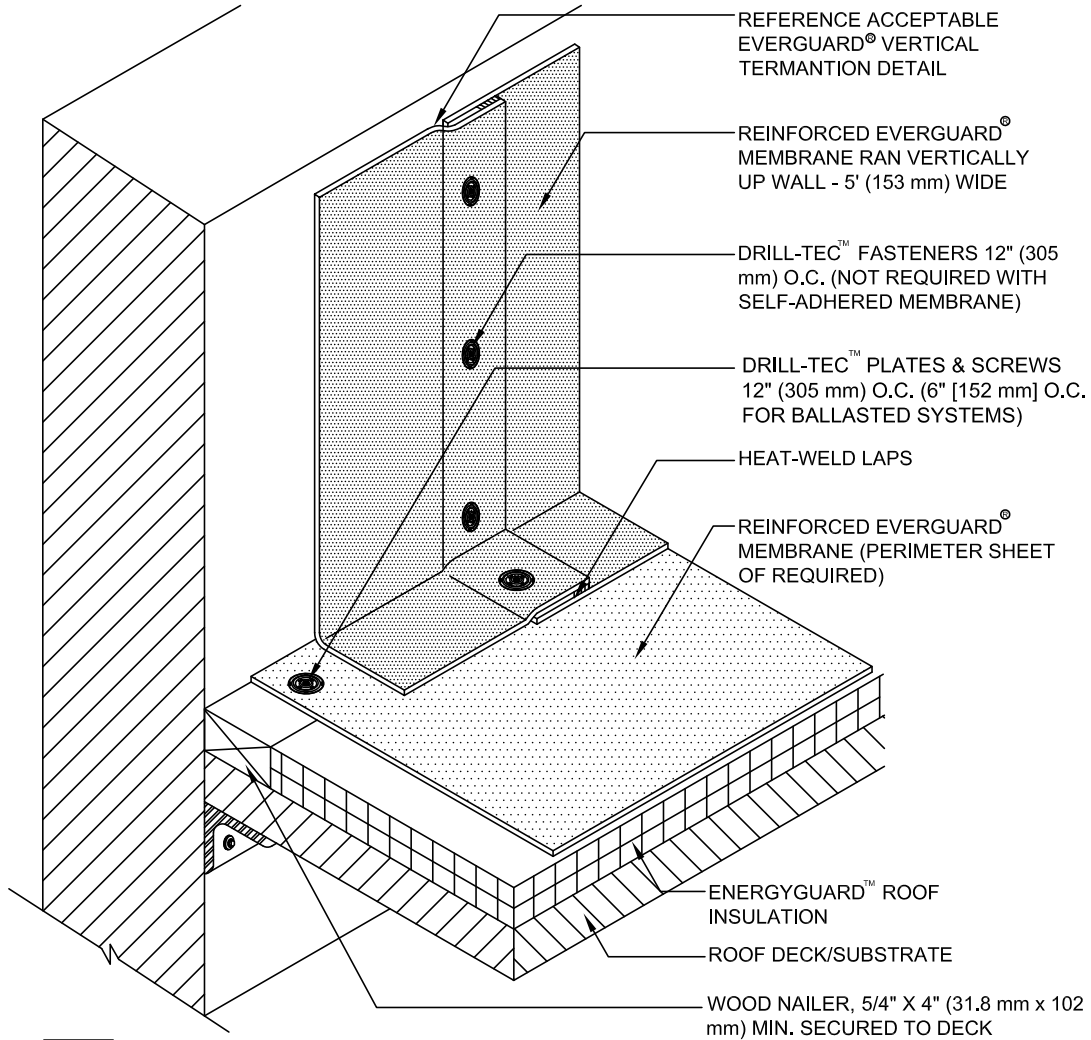
N.T.S.

**PARAPET WALL WITH METAL EDGE
AND TPO COVER TAPE DETAIL**

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. DETAIL TO BE USED IN CONJUNCTION WITH STANDARD GUIDE SPECIFICATION CONTAINING REQUIREMENTS FOR NAILERS, INSULATION ETC.
2. VERTICAL FLASHINGS TO BE FULLY ADHERED (MANDATORY).
3. SELF ADHERED MEMBRANE MAY BE BONDED DIRECTLY TO AN ACCEPTABLE VERTICAL SUBSTRATE PRIMED WITH EVERGUARD® TPO PRIMER.
4. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, UP TO 10-YR. MAXIMUM GUARANTEE ONLY.
5. FOR SELF-ADHERED HEAT-WELDED SYSTEMS, UP TO 15-YR. MAXIMUM GUARANTEE ONLY.
6. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #

317

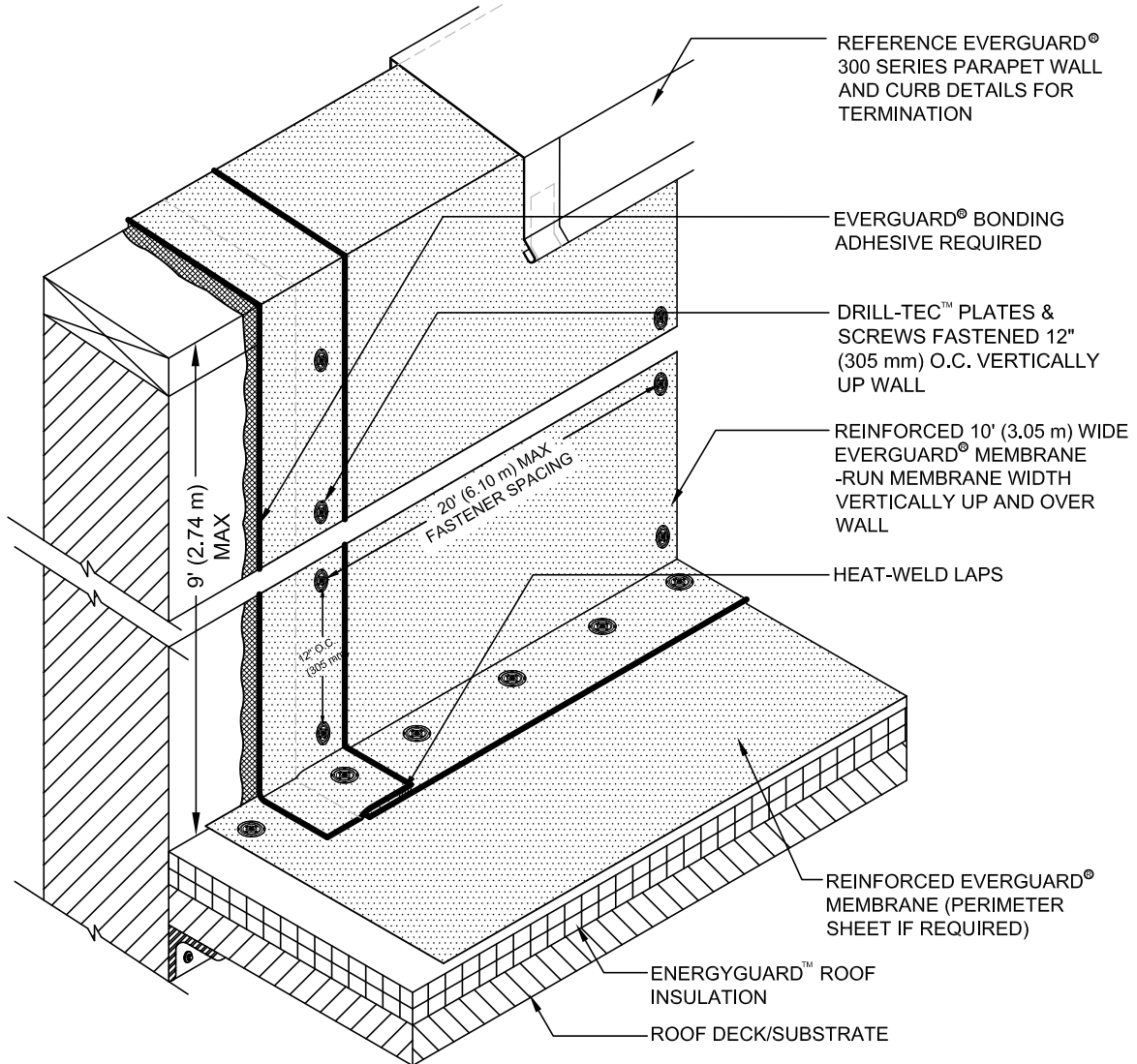
SCALE
N.T.S.

**ALTERNATE HIGH WALL
FLASHING DETAIL**

THIS DETAIL APPLIES TO:
Adhered Systems
Ballast Applied Systems
Mechanically Attached Systems
Self - Adhered Systems

REVISION DATE
6-26-17

**REFERENCE EVERGUARD DETAIL 317D
FOR VERTICAL SHEET LAYOUT**



NOTE:

1. MUST BE FASTENED VERTICALLY ON THE WALL A MINIMUM 10' (3.05 m) FROM ALL ENDS OR CORNERS OF WALL, THEN MAX 20' (6.10 m) THEREAFTER. DRILL-TEC™ FASTENERS SPACED 12" (305 mm) O.C.
2. MAX PARAPET WALL HEIGHT NOT TO EXCEED THE WIDTH OF A 10' (3.05 m) SHEET. PARAPET WALL SHOULD BE NO TALLER THAN 9' (2.74 m) TO USE A FULL 10' (3.05 m) SHEET OF MEMBRANE AS FLASHING.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
317A

SCALE
N.T.S.

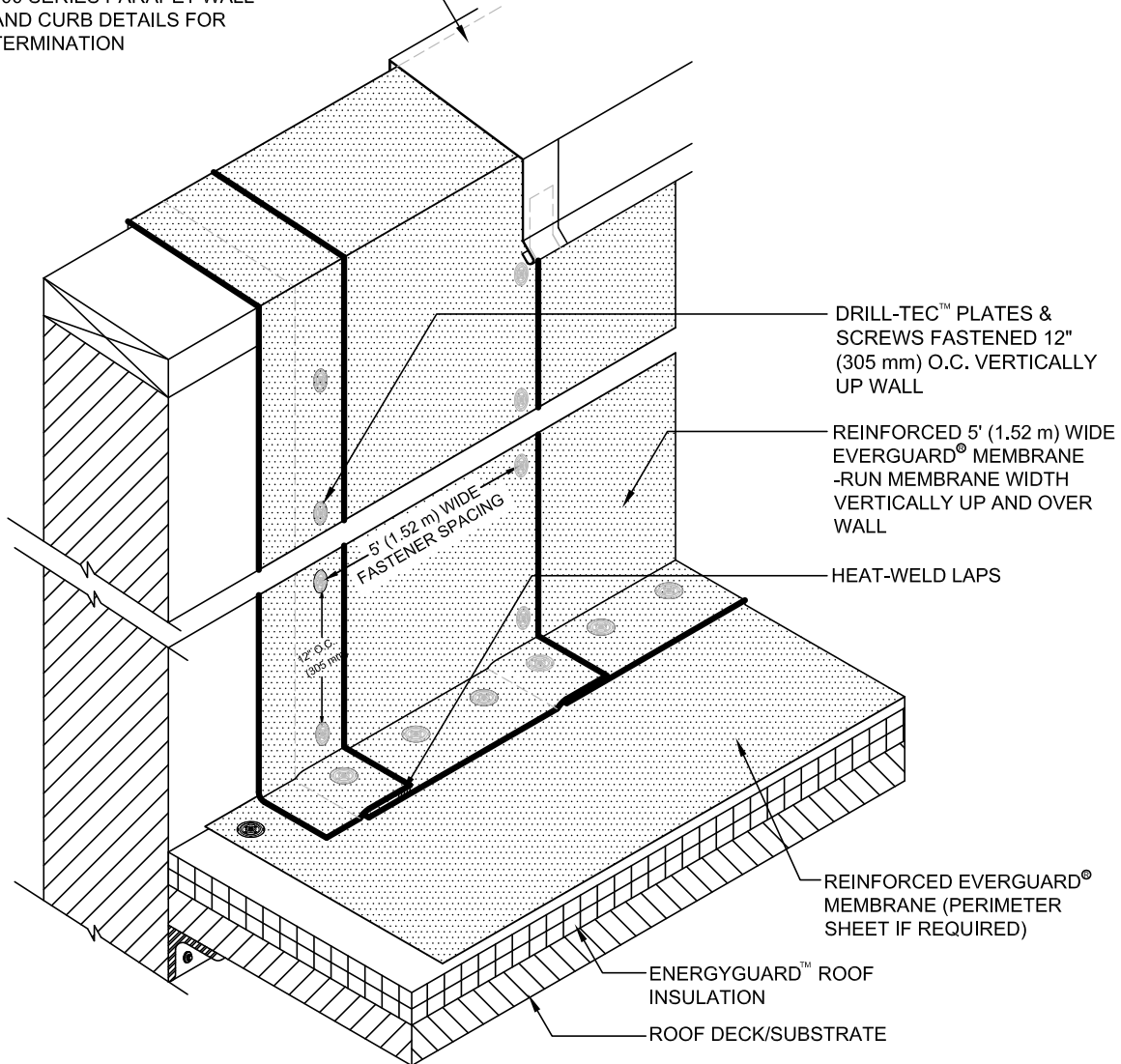
**HIGH WALL FLASHING DETAIL
10' (3.05 m) WIDE SHEETS**

THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
Mechanically Attached Systems

REVISION DATE
6-26-17

REFERENCE EVERGUARD®
300 SERIES PARAPET WALL
AND CURB DETAILS FOR
TERMINATION

**REFERENCE EVERGUARD DETAIL 317D
FOR INTERMITTENT FASTENING**



NOTE:

1. WALL HEIGHTS OVER 10' (3.05 M) HIGH REQUIRE THE ENTIRE WALL TO BE FULLY ADHERED. UNDER 10' (3.05 m) CAN BE DRY HUNG WITHOUT ADHESIVE.
2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
317B

SCALE
N.T.S.

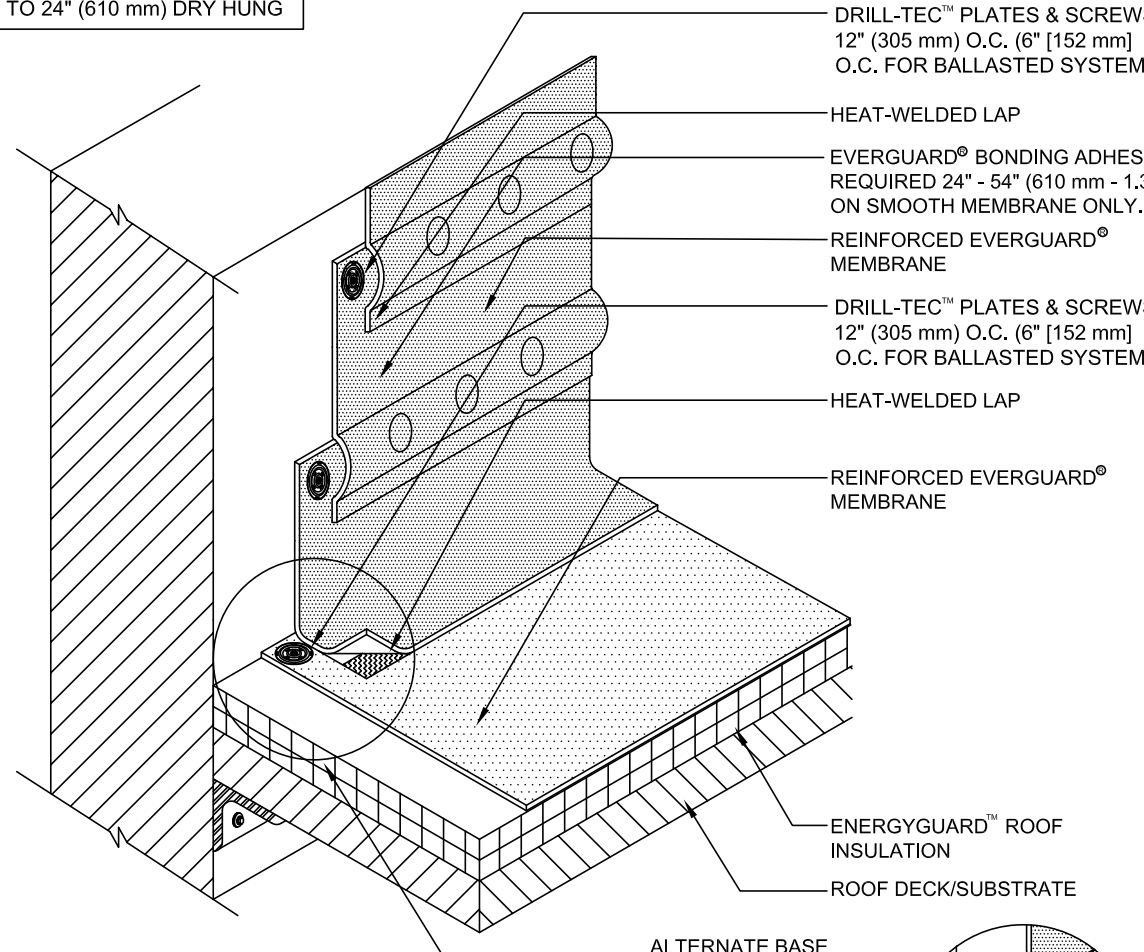
**HIGH WALL FLASHING DETAIL
5' (1.52 m) WIDE SHEETS**



THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
Mechanically Attached Systems

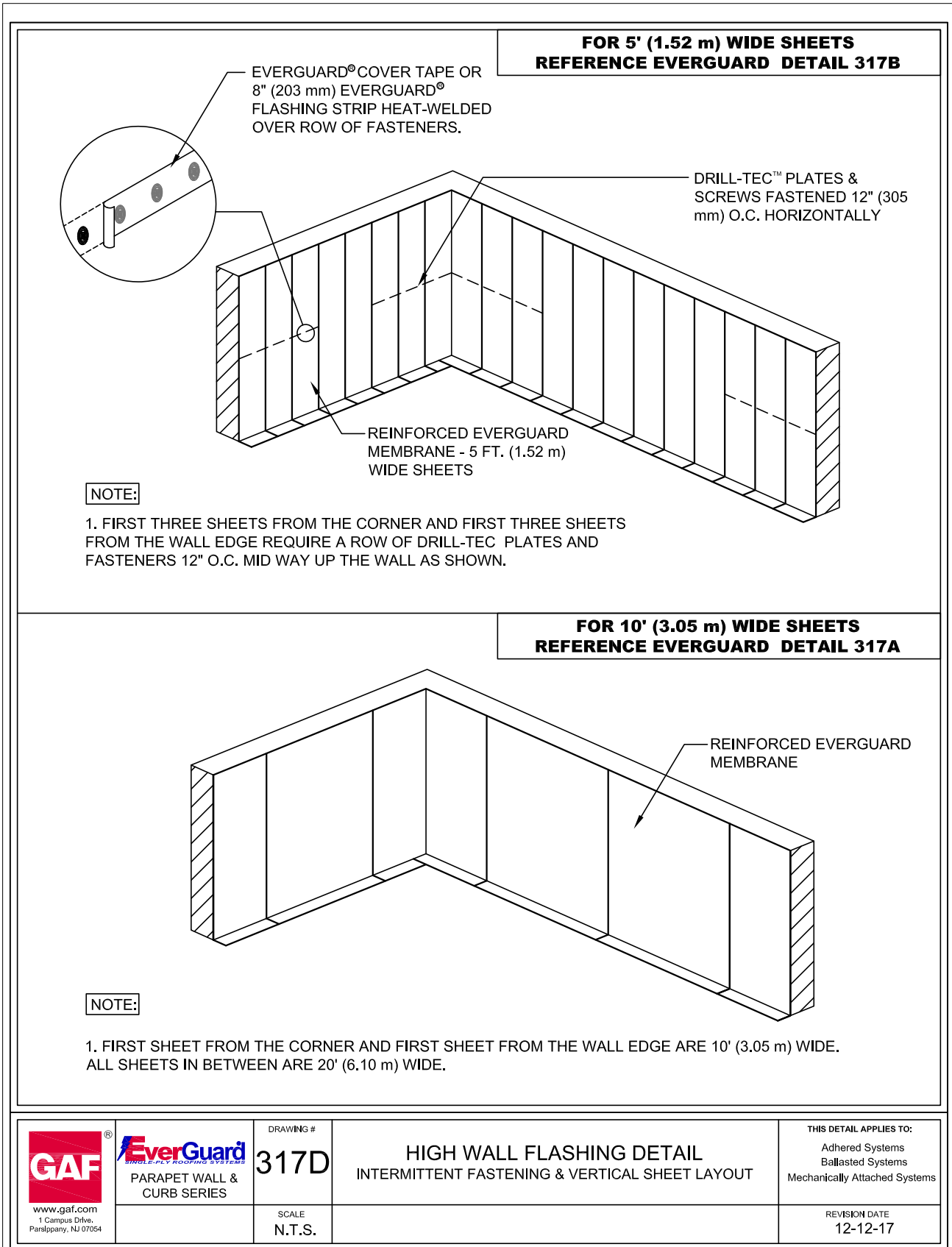
REVISION DATE
4-5-16

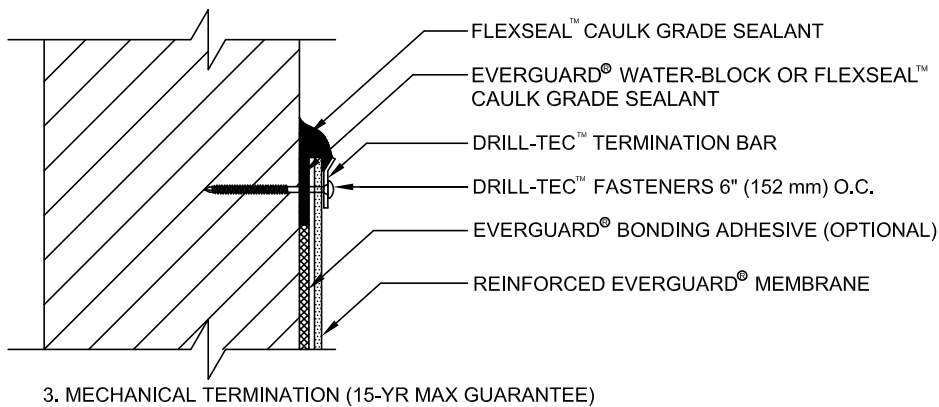
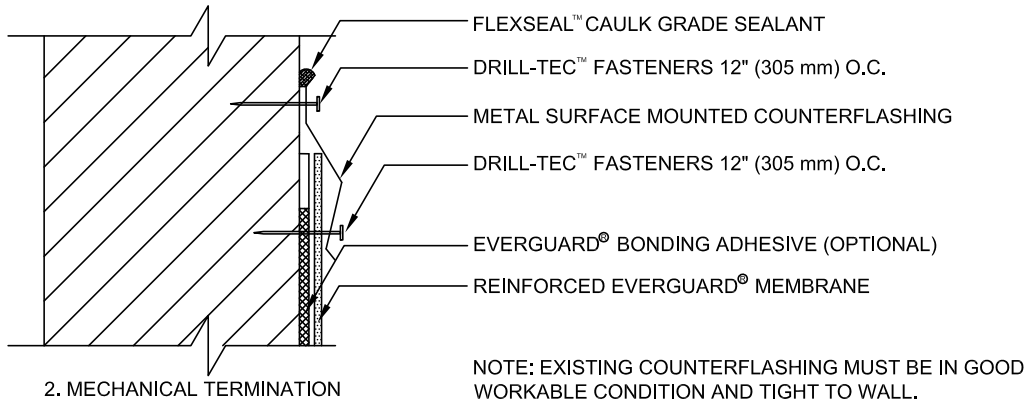
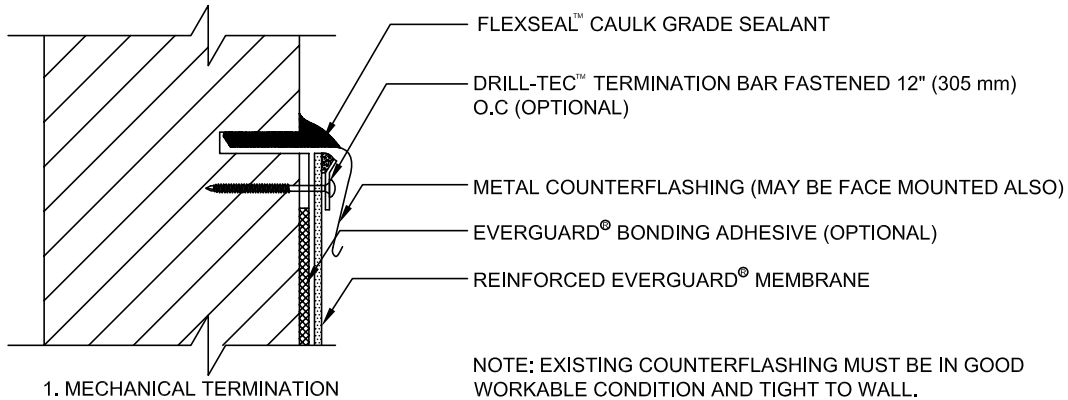
ARCHITECTURAL DETAIL DRAWINGS

EverGuard® TPO/PVC Architectural Roofing Details Manual

FLASHING KEY			
<ul style="list-style-type: none"> OVER 24" (610 mm) REQUIRES BONDING ADHESIVE UP TO 24" (610 mm) DRY HUNG 		 <div style="position: absolute; top: 200px; left: 650px;"> <p>DRILL-TEC™ PLATES & SCREWS 12" (305 mm) O.C. (6" [152 mm] O.C. FOR BALLASTED SYSTEMS)</p> <p>HEAT-WELDED LAP</p> <p>EVERGUARD® BONDING ADHESIVE REQUIRED 24" - 54" (610 mm - 1.37 m) ON SMOOTH MEMBRANE ONLY.</p> <p>REINFORCED EVERGUARD® MEMBRANE</p> <p>DRILL-TEC™ PLATES & SCREWS 12" (305 mm) O.C. (6" [152 mm] O.C. FOR BALLASTED SYSTEMS)</p> <p>HEAT-WELDED LAP</p> <p>REINFORCED EVERGUARD® MEMBRANE</p> <p>ENERGYGUARD™ ROOF INSULATION</p> <p>ROOF DECK/SUBSTRATE</p> <p>ALTERNATE BASE REFER TO DETAIL 307</p> </div>	
<p>NOTE:</p> <ol style="list-style-type: none"> 1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY. 2. 24" (610 mm) MAX. DIMENSION FOR LOOSE-APPLIED FLASHINGS. 3. 54" (1.37 m) MAX. DIMENSION FOR FULLY ADHERED FLASHINGS. 4. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED. 5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115). 			

 <small>www.gaf.com 1 Campus Drive, Parsippany, NJ 07054</small>	 PARAPET WALL & CURB SERIES	DRAWING # 317C SCALE N.T.S.	HIGH WALL FLASHING DETAIL - WITH PLATES AND FASTENERS	THIS DETAIL APPLIES TO: Adhered Systems Ballasted Systems Mechanically Attached Systems Self - Adhered Systems	REVISION DATE 8-31-16
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EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
318A

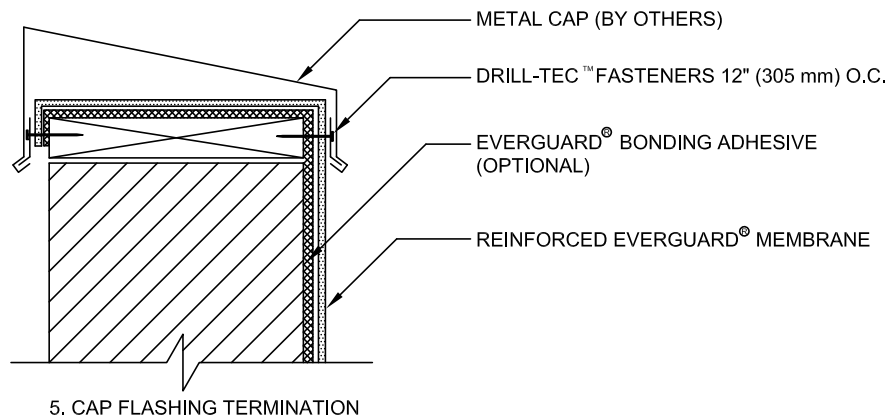
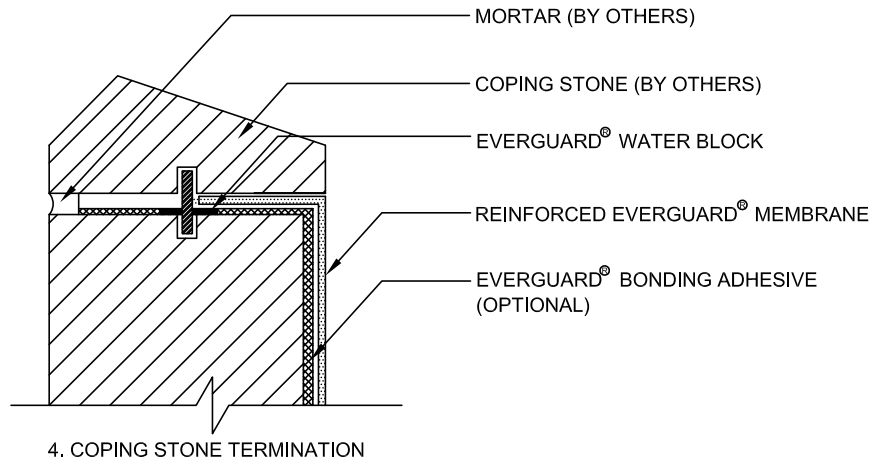
SCALE
N.T.S.

TERMINATION DETAIL 1-3

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
6-20-16

**20 YEAR MAX
GUARANTEE**



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
318B

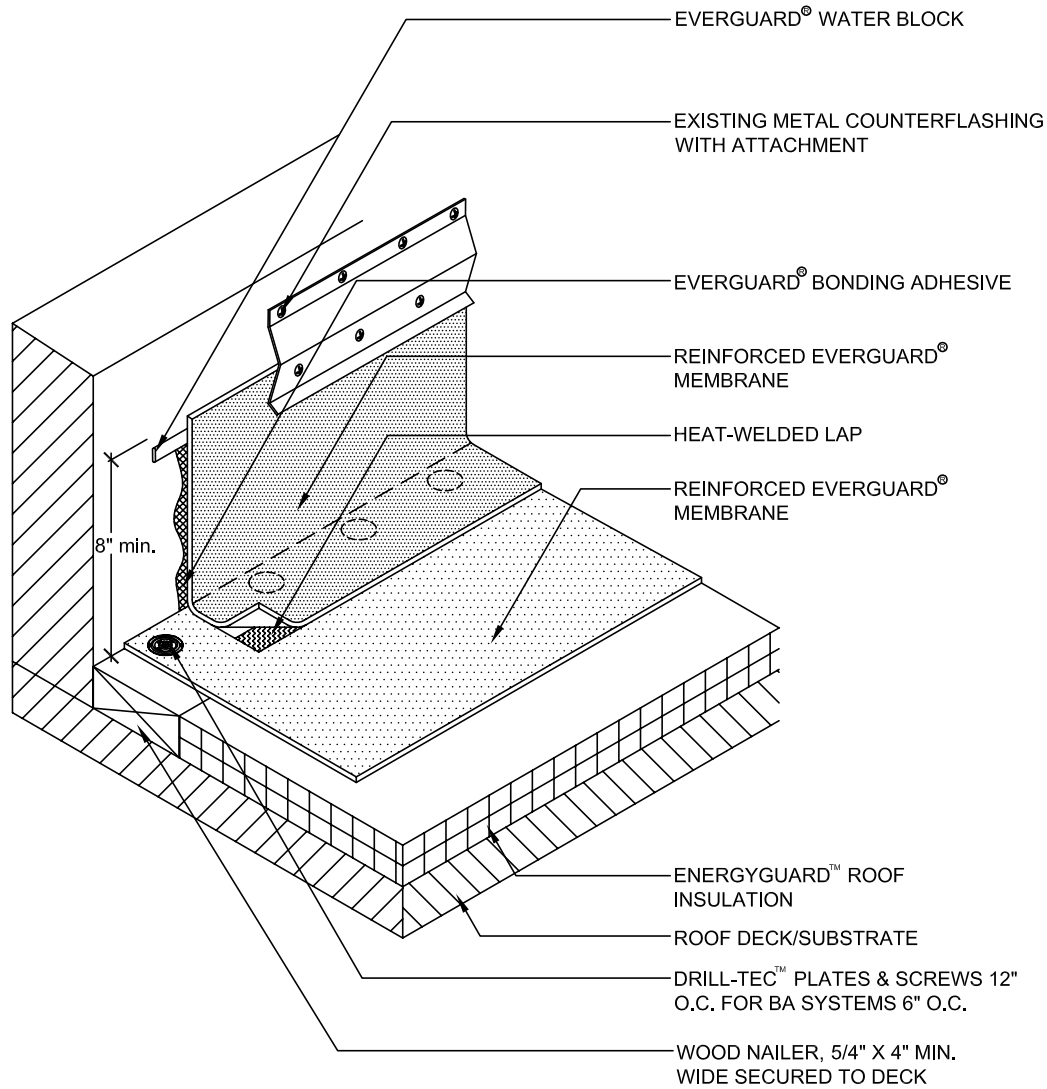
SCALE
N.T.S.

TERMINATION DETAILS 4 & 5

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
12-12-17

ARCHITECTURAL DETAIL DRAWINGS
EverGuard® TPO/PVC Architectural Roofing Details Manual



NOTE:

1. ADD BALLAST PER SPEC FOR BALLASTED SYSTEMS.
2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #

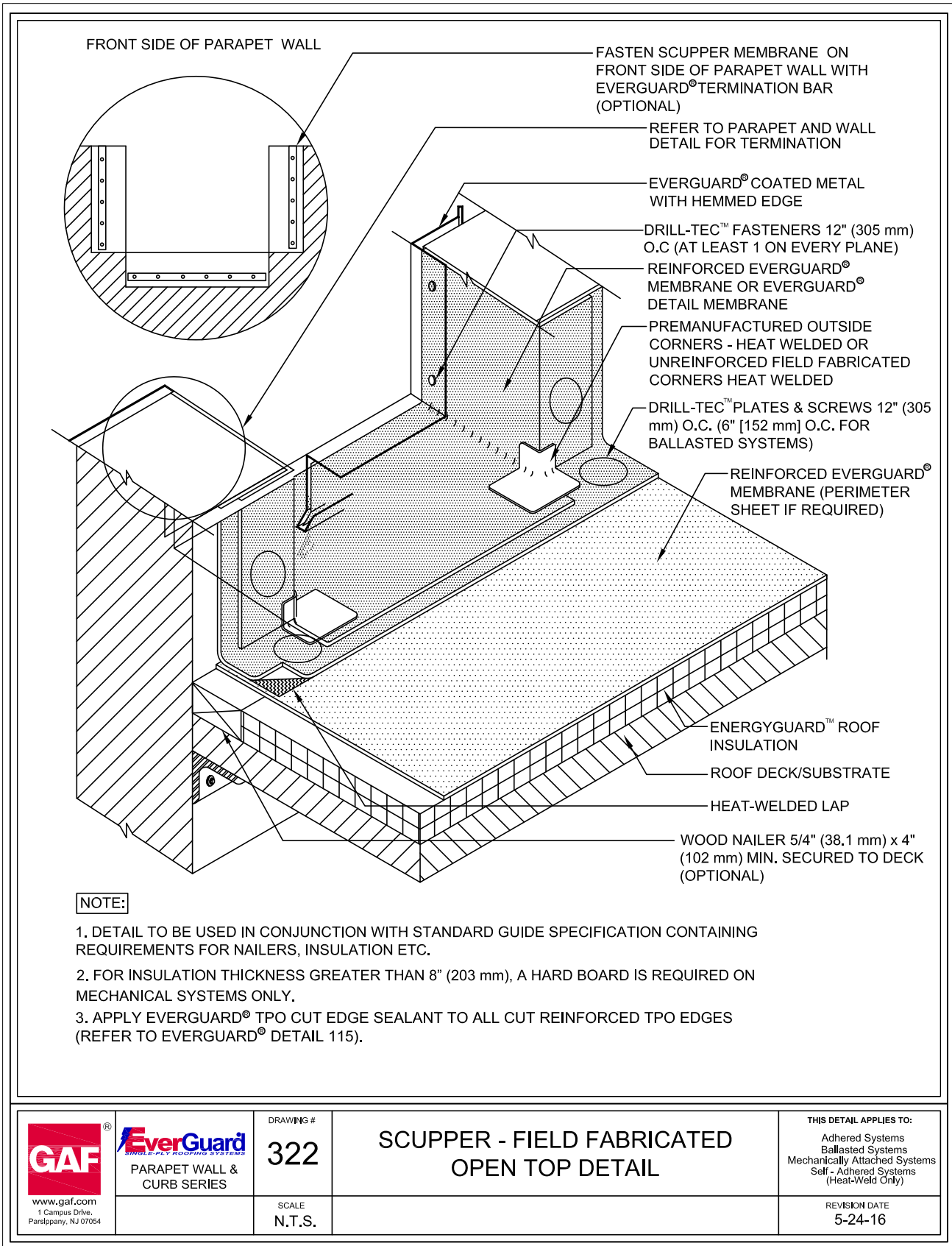
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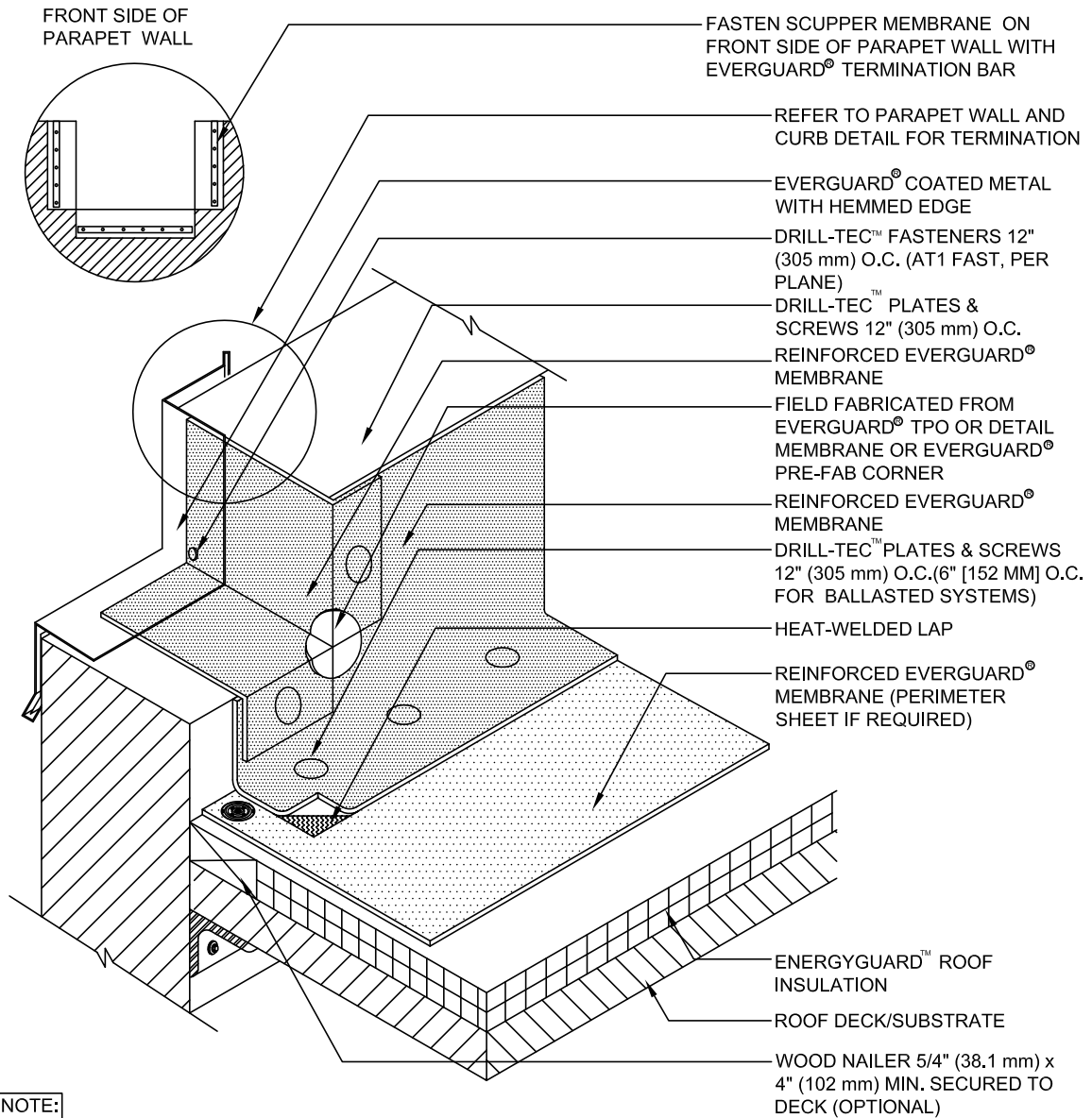
SCALE
N.T.S.

COUNTERFLASHING RE-ROOF DETAIL

THIS DETAIL APPLIES TO:
Adhered Systems
Ballast Applied Systems
Mechanically Attached Systems

REVISION DATE
6-26-17





NOTE:

1. DETAIL TO BE USED IN CONJUNCTION WITH STANDARD GUIDE SPECIFICATION CONTAINING REQUIREMENTS FOR NAILERS, INSULATION ETC.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
3. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
323

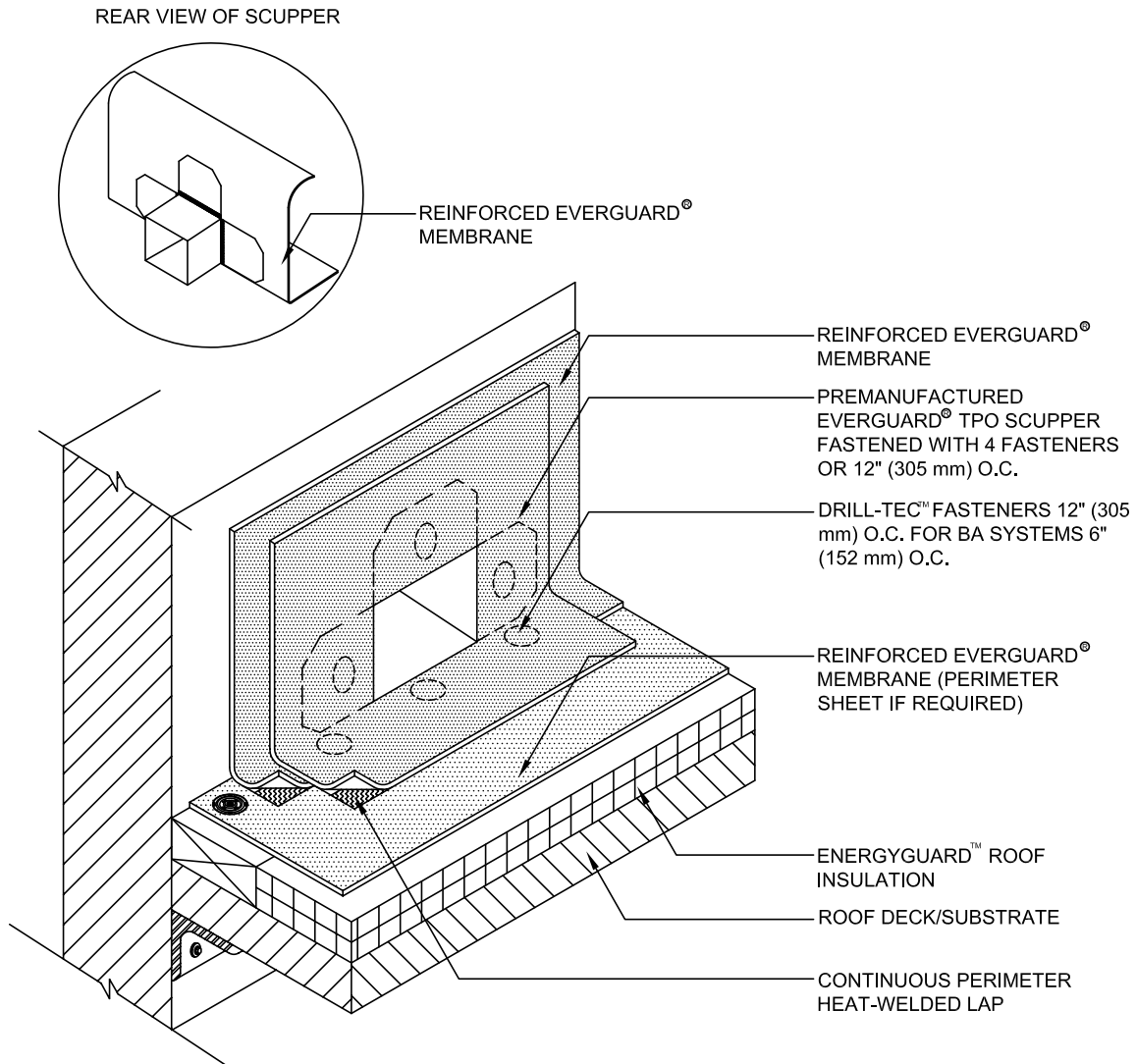
SCALE
N.T.S.

**SCUPPER - FIELD FABRICATED
OPEN TOP - OVERFLOW**

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. DETAIL TO BE USED IN CONJUNCTION WITH STANDARD GUIDE SPECIFICATION CONTAINING REQUIREMENTS FOR NAILERS, INSULATION ETC.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
3. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
4. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.
5. SCUPPER MUST ALSO BE SEALED ON OUTSIDE WALL.
6. FOR ALTERNATE BASE ATTACHMENT, REFER TO EVERGUARD® DETAIL 307.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #

324

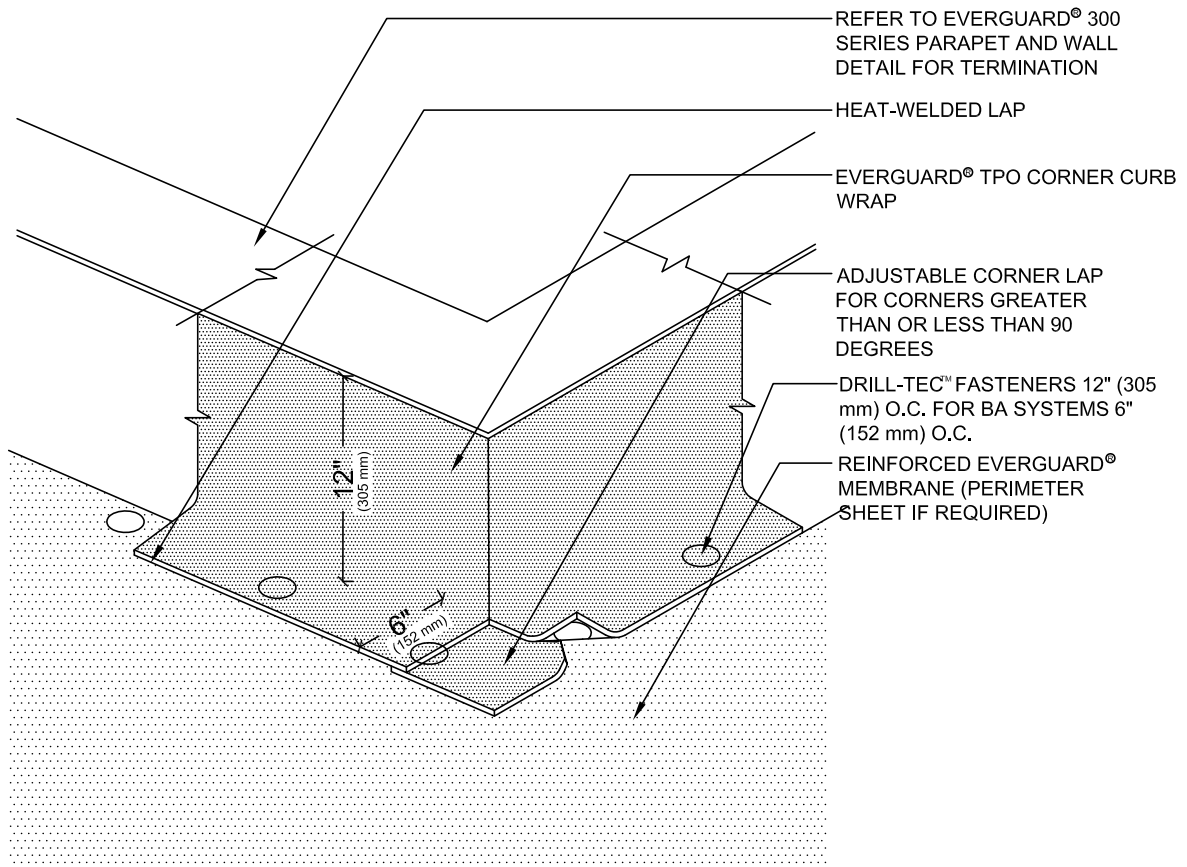
SCALE
N.T.S.

SCUPPER - PREMANUFACTURED

THIS DETAIL APPLIES TO:

Adhered Systems
Ballasted Systems
Mechanically Attached Systems
Self-Adhered Systems
(Heat-Weld Only)

REVISION DATE
12-12-17



NOTE:

1. FOUR CORNER CURB WRAP PIECES ARE NEEDED TO COMPLETE. VARYING SIZES MAY BE NEEDED TO COMPLETE.
2. CORNER WRAP MAY BE ADHERED OR INSTALLED DRY.
3. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #

325

SCALE
N.T.S.

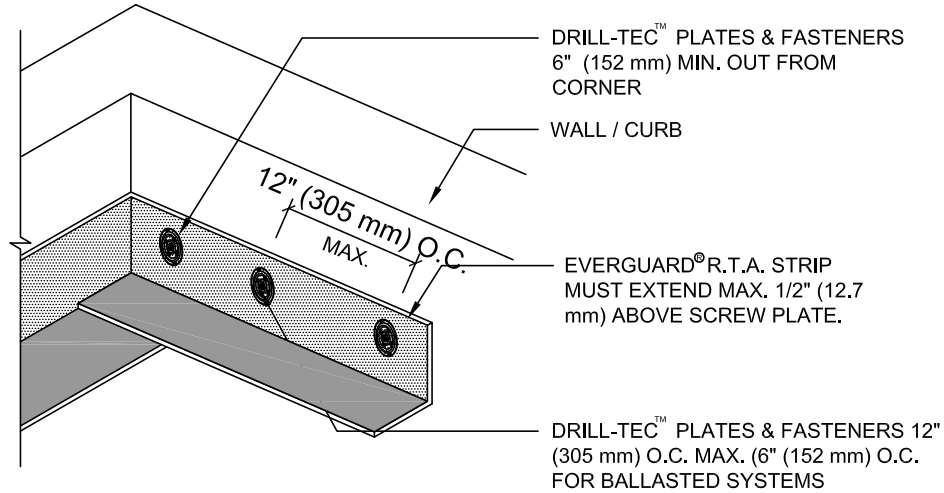
CORNER CURB WRAP DETAIL

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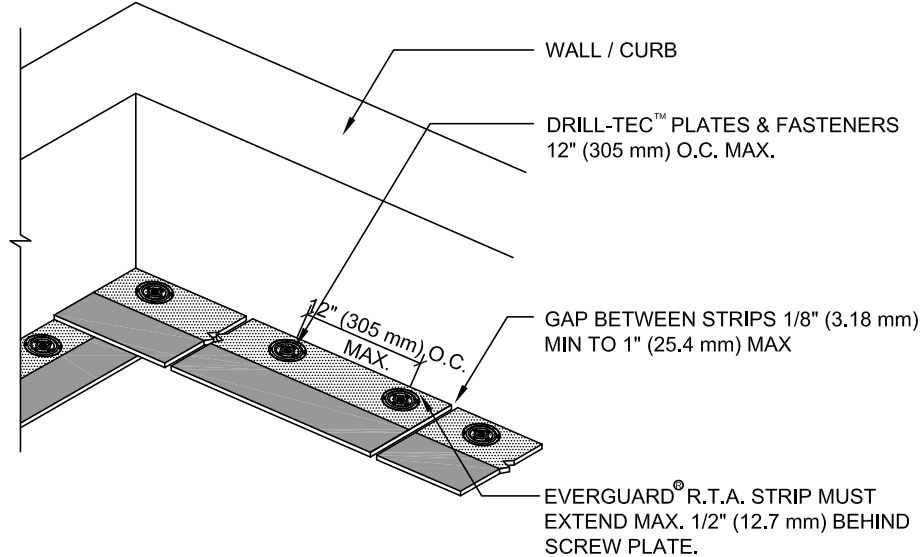
Adhered Systems
Ballasted Systems
Mechanically Attached Systems
Self-Adhered Systems
(Heat-weld only)

REVISION DATE
6-20-16

FASTENED TO WALL / CURB



FASTENED TO DECK



NOTE:

1. THIS DETAIL IS NOT TO BE USED FOR EVERGUARD® PVC MEMBRANES OR MECHANICALLY ATTACHED SYSTEMS.
2. R.T.A. STRIP MAY BE FIELD FABRICATED OUT OF EVERGUARD® FREEDOM™ MEMBRANE.
3. COMMON FASTENER ANCHORING THE OVERLAP OF THE TWO STRIPS IN THE CORNER.
4. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.



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SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
326A

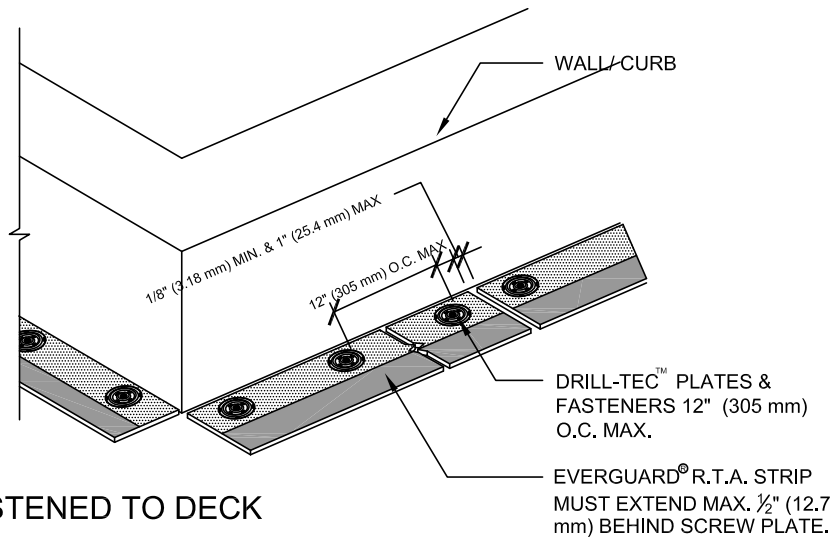
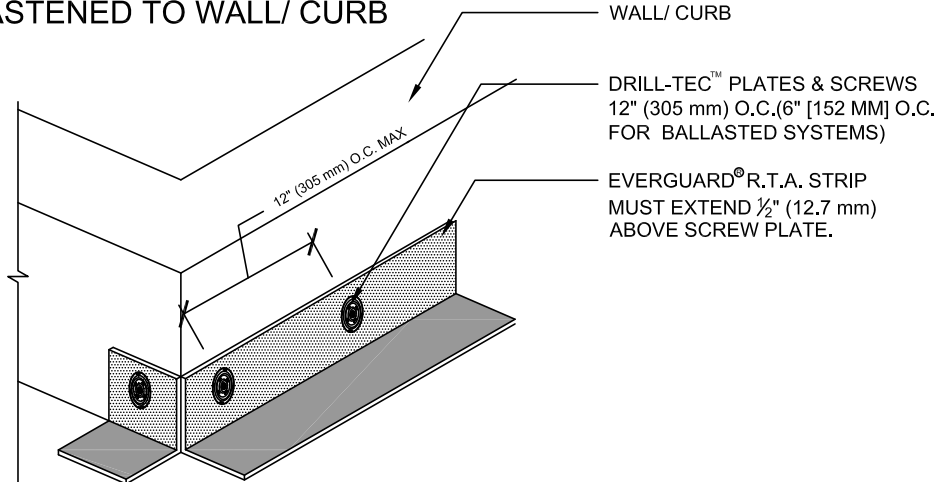
SCALE
N.T.S.

**R.T.A. STRIP - INSIDE CORNER
REINFORCEMENT DETAIL**

THIS DETAIL APPLIES TO:
Ballasted Systems
(Smooth Membrane Only)
Adhered Systems
(Smooth Membrane Only)
Self-Adhered Systems

REVISION DATE
8-30-16

FASTENED TO WALL/ CURB



FASTENED TO DECK

NOTE:

1. THIS DETAIL IS NOT TO BE USED FOR EVERGUARD® PVC MEMBRANES OR MECHANICALLY ATTACHED SYSTEMS.
2. R.T.A STRIP MAY BE FIELD FABRICATED OUT OF EVERGUARD® FREEDOM™ MEMBRANE.
3. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
4. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
326B

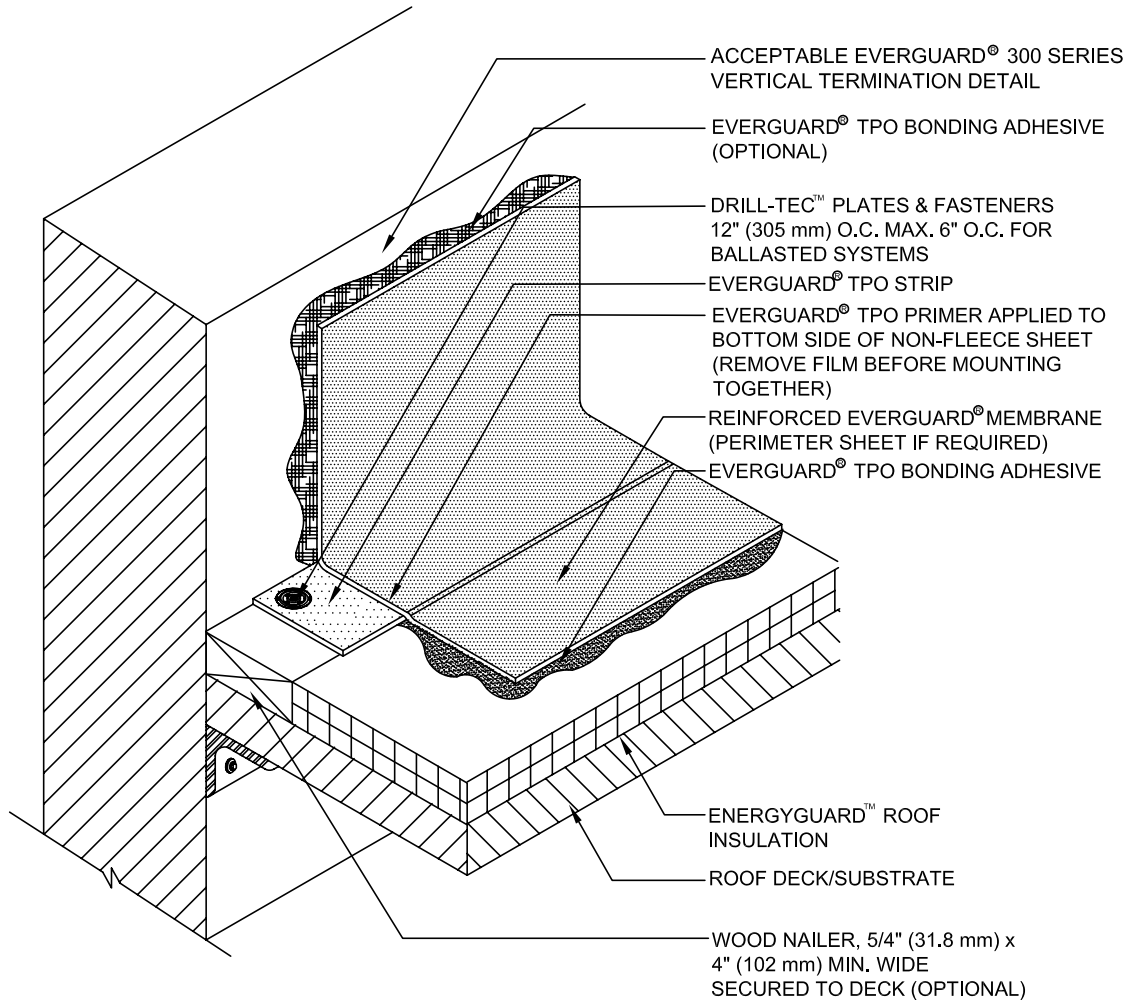
SCALE
N.T.S.

**R.T.A. STRIP - OUTSIDE CORNER
REINFORCEMENT DETAIL**

TPO ONLY


THIS DETAIL APPLIES TO:
Adhered Systems
Self - Adhered Systems
Ballasted Systems
(Non-Fleece)

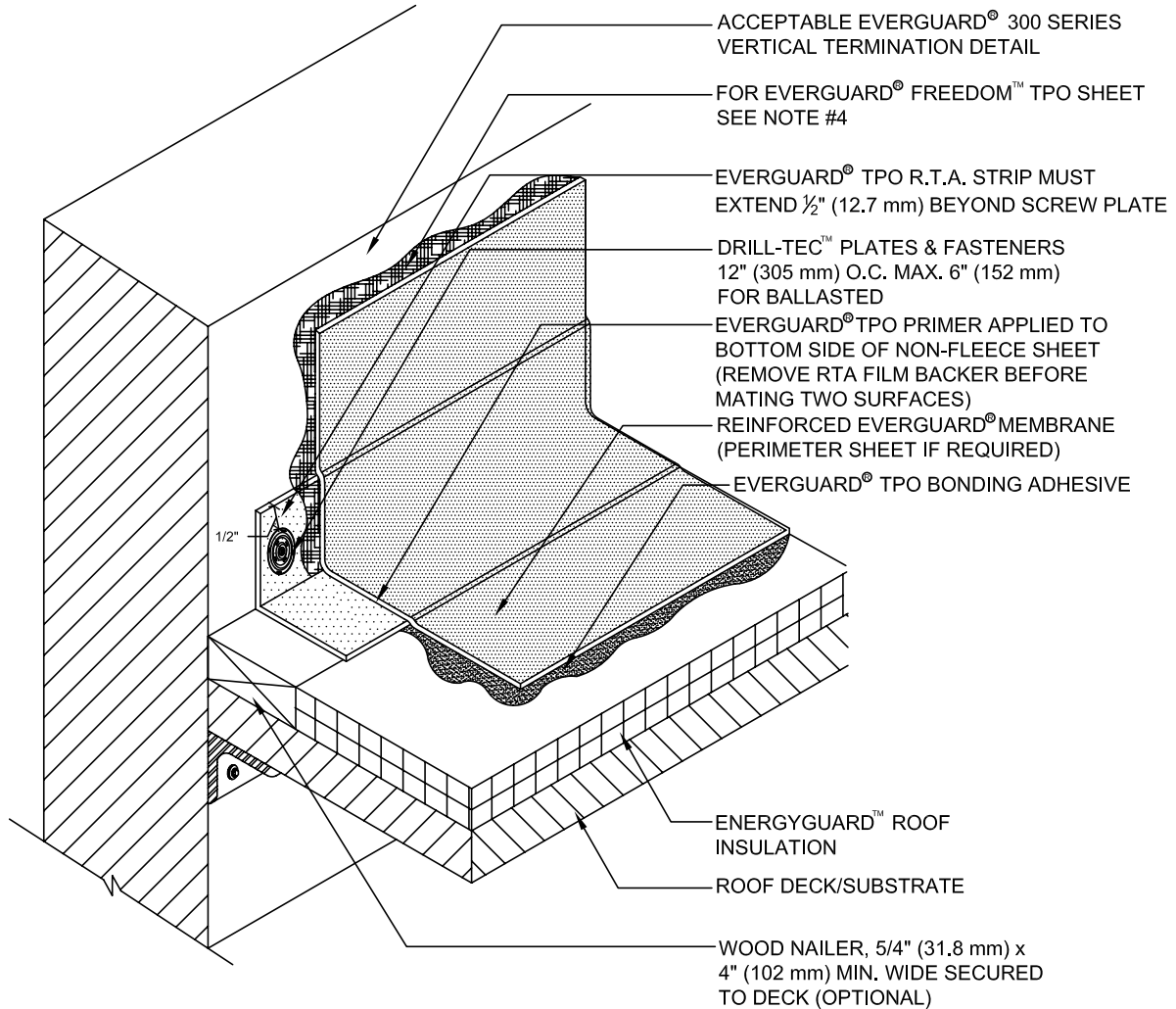
REVISION DATE
8-30-16



NOTE:

1. R.T.A STRIP MAY BE FIELD-FABRICATED OUT OF EVERGUARD® FREEDOM™ TPO MEMBRANE. REMOVE FILM BEFORE INSTALLING BASE SHEET.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
3. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).

 <p>www.gaf.com 1 Campus Drive, Parsippany, NJ 07054</p>	 <p>PARAPET WALL & CURB SERIES</p>	DRAWING #	326C	R.T.A. STRIP - BASE TIE-IN DETAIL	<p>THIS DETAIL APPLIES TO:</p> <p>Adhered Systems Self - Adhered Systems Ballasted Systems</p>
		SCALE			
		N.T.S.		TPO ONLY	<p>REVISION DATE</p> <p>6-20-16</p>



NOTE:

1. R.T.A STRIP MAY BE FIELD FABRICATED OUT OF EVERGUARD® FREEDOM™ MEMBRANE. REMOVE FILM BEFORE INSTALLING BASE SHEET.
2. THIS DETAIL IS NOT TO BE USED FOR EVERGUARD® PVC MEMBRANES OR MECHANICALLY ATTACHED SYSTEMS.
3. IF EVERGUARD® FREEDOM™ TPO IS USED, BONDING ADHESIVE NOT NEEDED AND WALL MUST BE PRIMED WITH TPO PRIMER.
4. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
326D

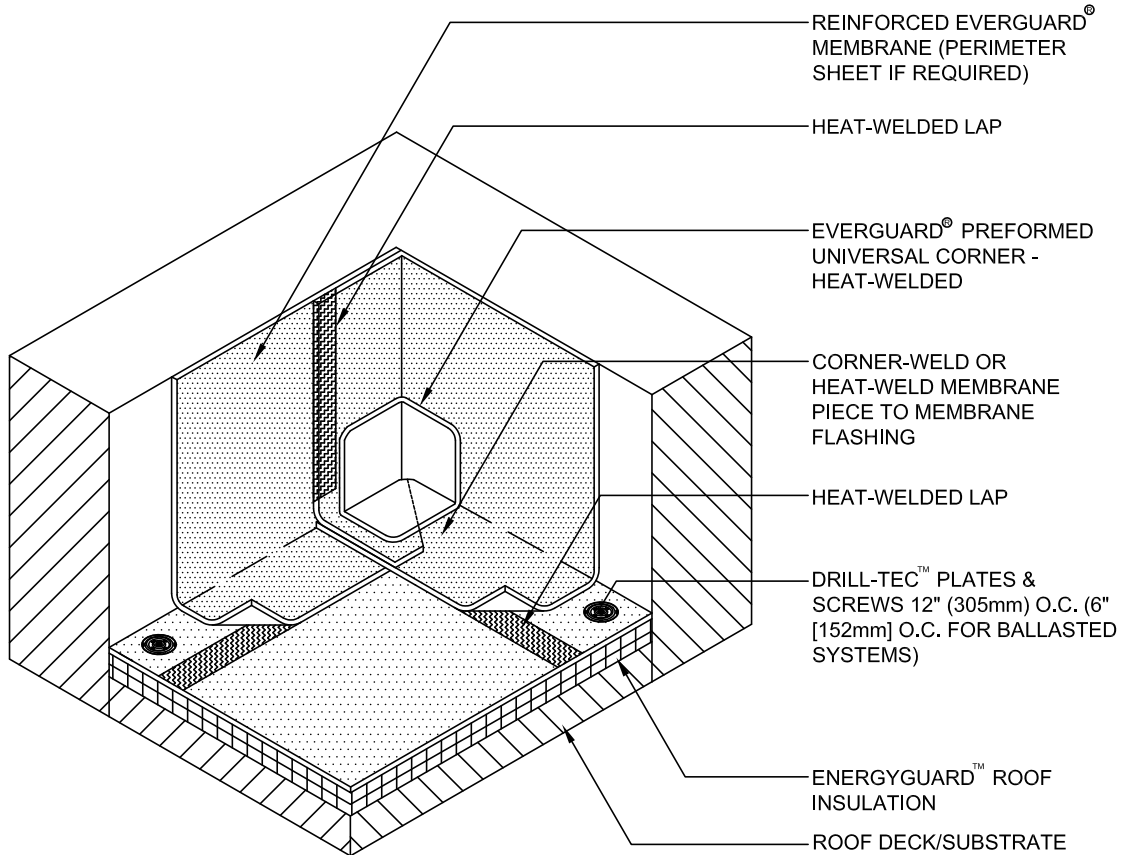
SCALE
N.T.S.

**R.T.A. STRIP - ALTERNATE BASE
TIE-IN DETAIL**

TPO ONLY

THIS DETAIL APPLIES TO:
Adhered Systems
Self - Adhered Systems
Ballasted Systems

REVISION DATE
12-12-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
3. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES
4. FLASHINGS MAY BE ADHERED OR INSTALLED DRY. SEE MANUAL FOR DIMENSIONS.
5. INSIDE CORNERS MAY ALSO BE FIELD-FABRICATED USING UNREINFORCED MEMBRANE.
6. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
327A

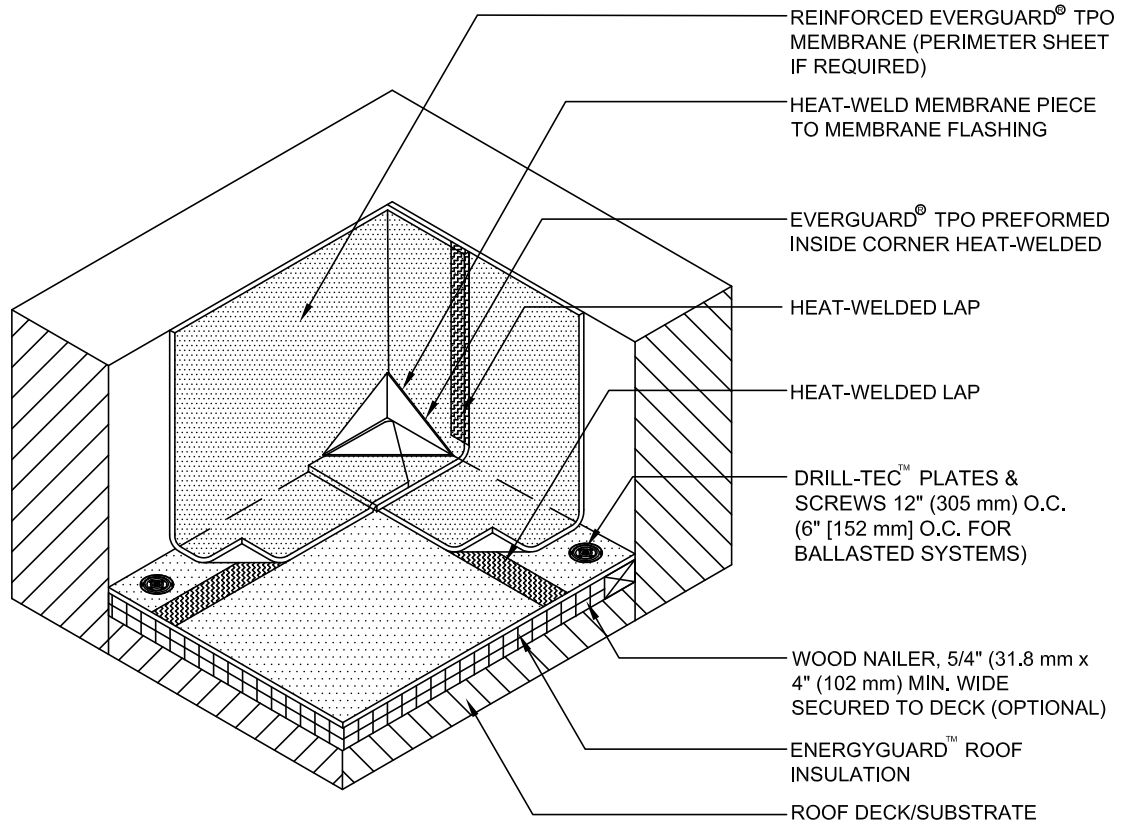
SCALE
N.T.S.

**INSIDE CORNER REINFORCMENT-
PREFORMED CORNER DETAIL**

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. FLASHINGS MAY BE ADHERED OR INSTALLED DRY. SEE SPEC FOR DIMENSIONS.
3. KEEP FASTENERS BACK FROM CORNER 6" (152 mm) MAX. IN BOTH HORIZONTAL AND VERTICAL APPLICATIONS.
4. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES
5. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
6. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



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PARAPET WALL &
CURB SERIES

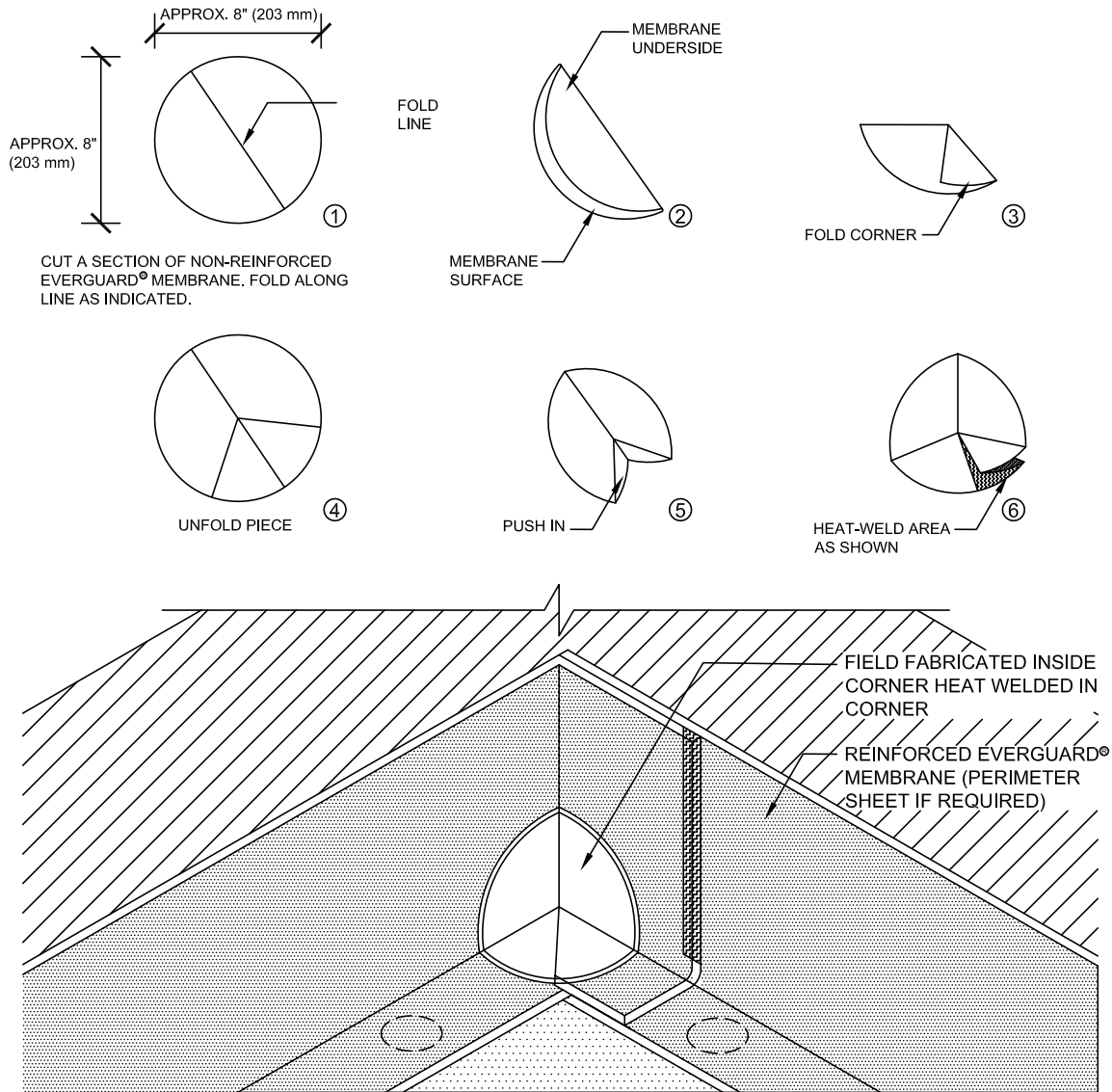
DRAWING #
327B

SCALE
N.T.S.

**INSIDE CORNER REINFORCEMENT -
PREFORMED CORNER DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
10-3-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 MM), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES
3. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



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SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
327D

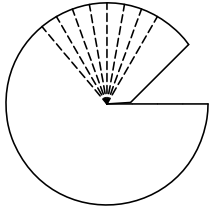
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**INSIDE CORNER REINFORCEMENT -
FIELD FABRICATION DETAIL**

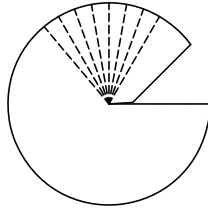
THIS DETAIL APPLIES TO:

ALL SYSTEMS

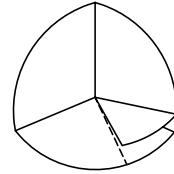
REVISION DATE
6-26-17



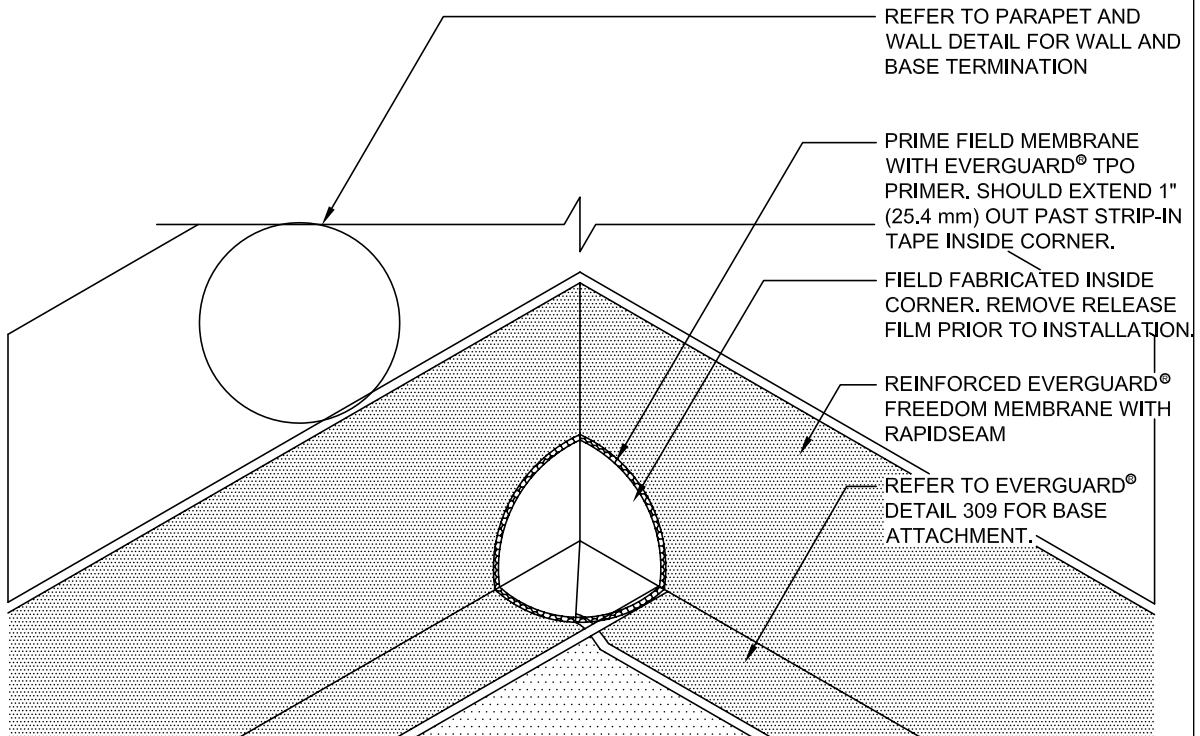
USING THE BACK OF THE EVERGUARD® STRIP-IN TAPE LABEL AS A TEMPLATE, CUT OUT AN INSIDE CORNER.



DETERMINE THE CORNER ANGLE USING ANGLE REFERENCES ON LABEL TEMPLATE.



FOLD AND CREATE INSIDE CORNER AS SHOWN. REMOVE ENOUGH RELEASE FILM TO HOLD SHAPE.



NOTE:

1. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.



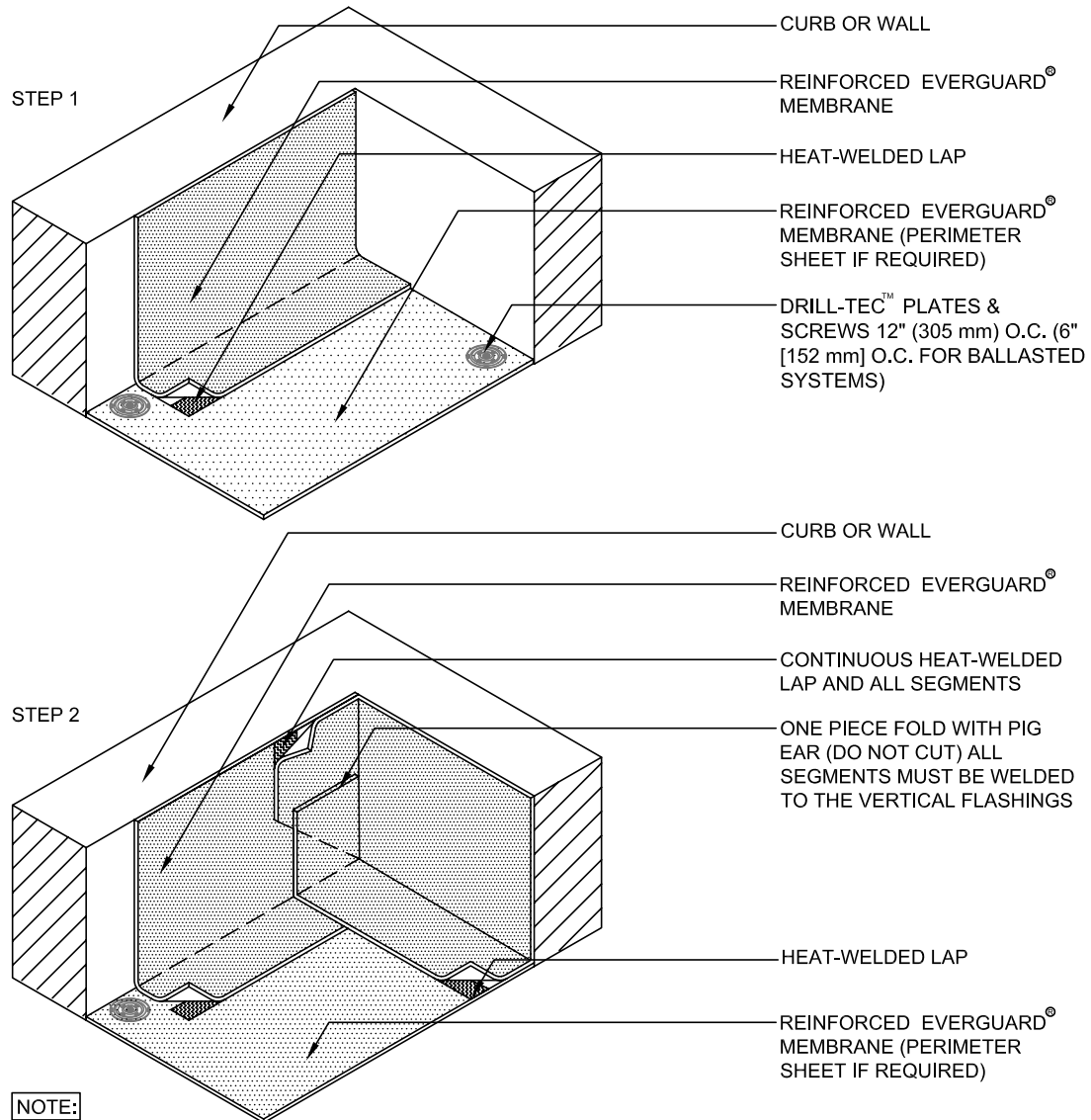
EverGuard
SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL
& CURB SERIES

DRAWING #
327F
SCALE
N.T.S.

**PATENTED INSIDE CORNER
REINFORCEMENT -
FIELD FABRICATION DETAIL**

THIS DETAIL APPLIES TO:
**Self-Adhered
Systems**
(RAPIDSEAM™ TECHNOLOGY
MEMBRANE ONLY)

REVISION DATE
10-3-17



NOTE:

1. ALL SEGMENTS OF THE EAR MUST BE WELDED TOGETHER AND WELDED TO THE WALL
2. CHECK SYSTEM SPEC FOR GUIDELINES ON ADHERING FLASHINGS.
3. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
4. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



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SINGLE-PLY ROOFING SYSTEMS
PARAPET WALL &
CURB SERIES

DRAWING #
328A

SCALE
N.T.S.

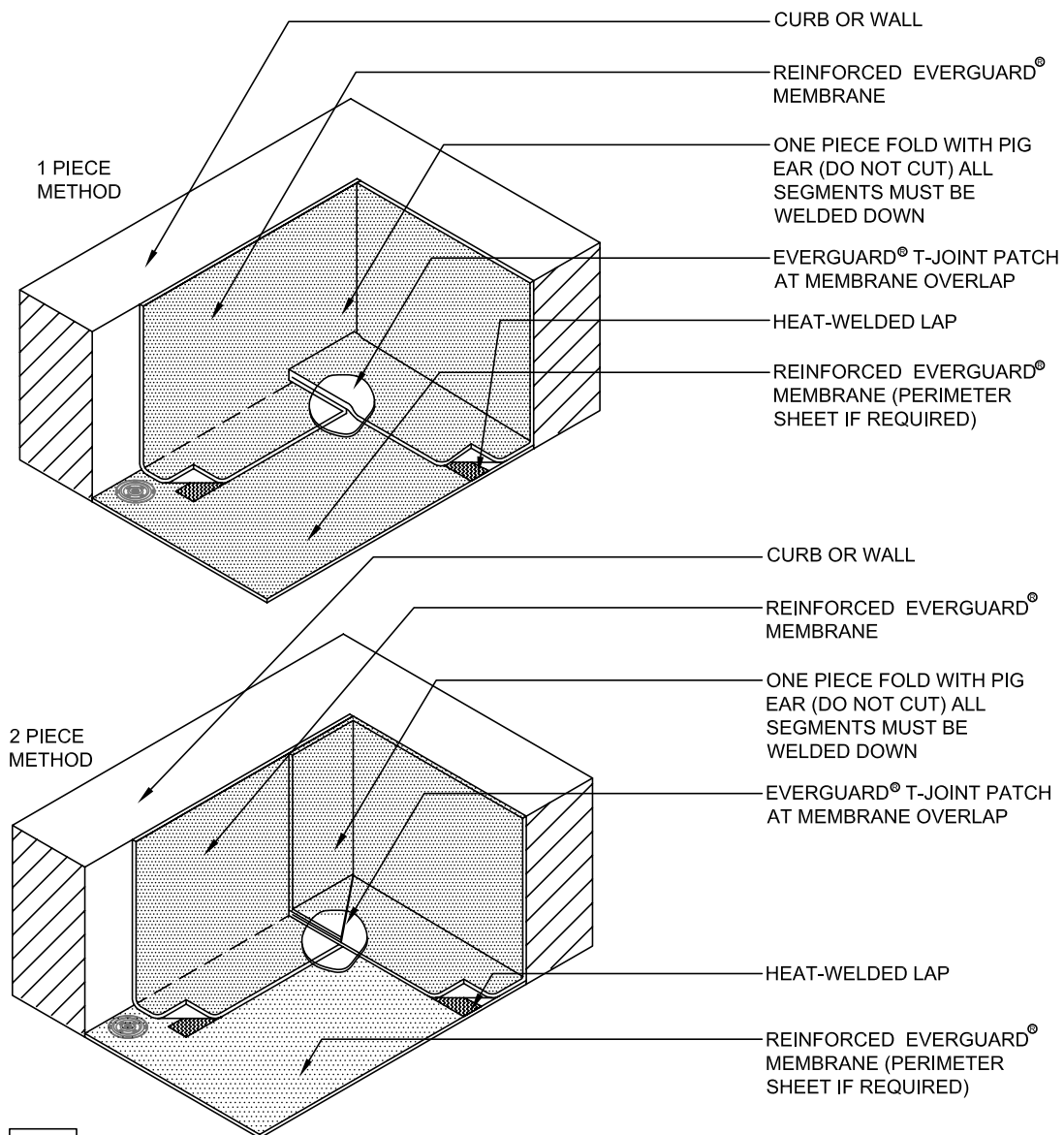
**INSIDE CORNER FABRICATION -
2 STEP "PIG EAR" UP DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
6-27-17

ARCHITECTURAL DETAIL DRAWINGS

EverGuard® TPO/PVC Architectural Roofing Details Manual



NOTE:

1. ALL SEGMENTS OF THE EAR MUST BE WELDED TOGETHER AND WELDED TO THE WALL
2. CHECK SYSTEM SPEC FOR GUIDELINES ON ADHERING FLASHINGS.
3. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
4. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).

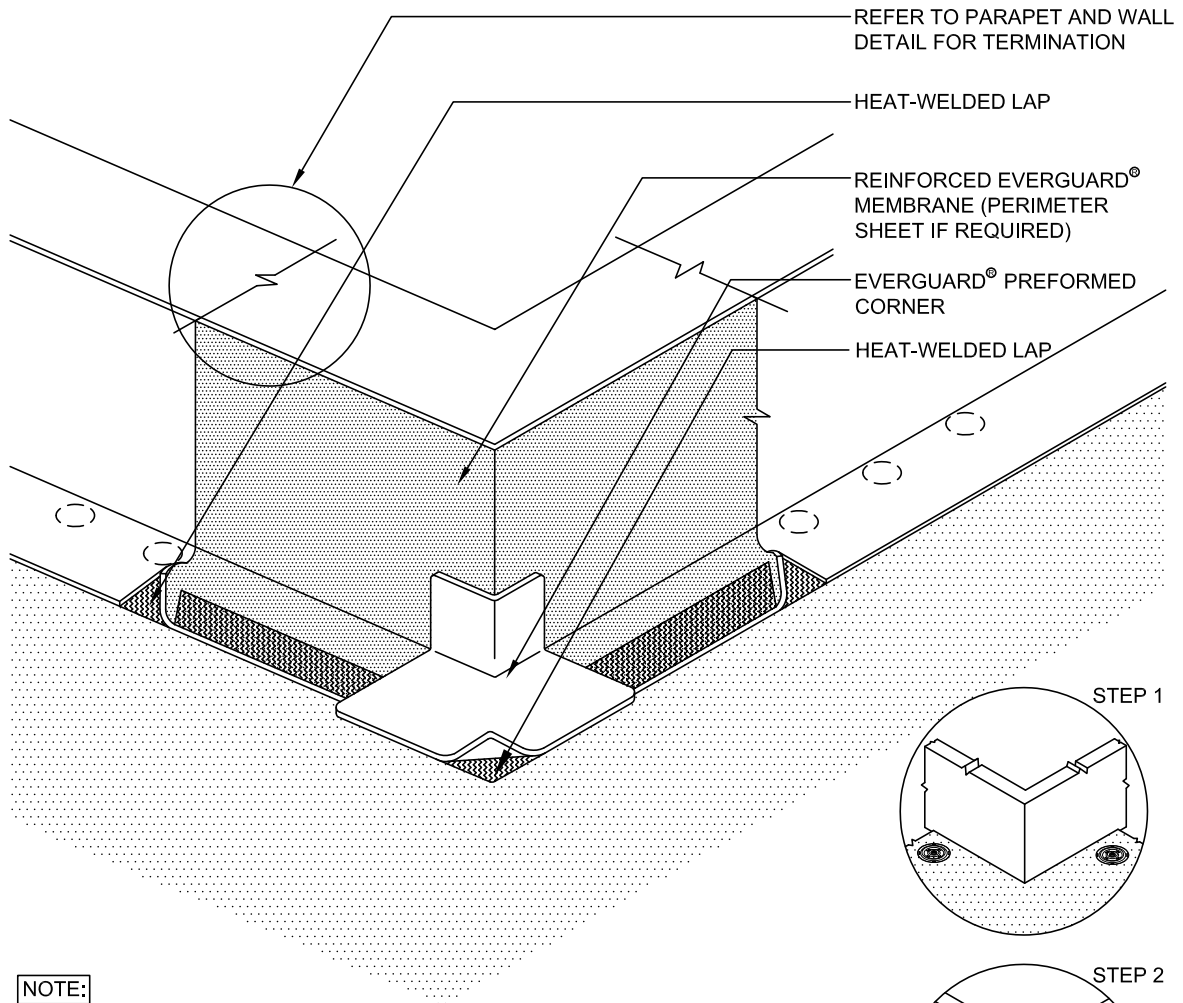


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PARAPET WALL &
CURB SERIES

DRAWING #
328B
SCALE
N.T.S.

INSIDE CORNER FABRICATION - "PIG EAR" DOWN DETAIL

THIS DETAIL APPLIES TO:
ALL SYSTEMS
REVISION DATE
6-28-17



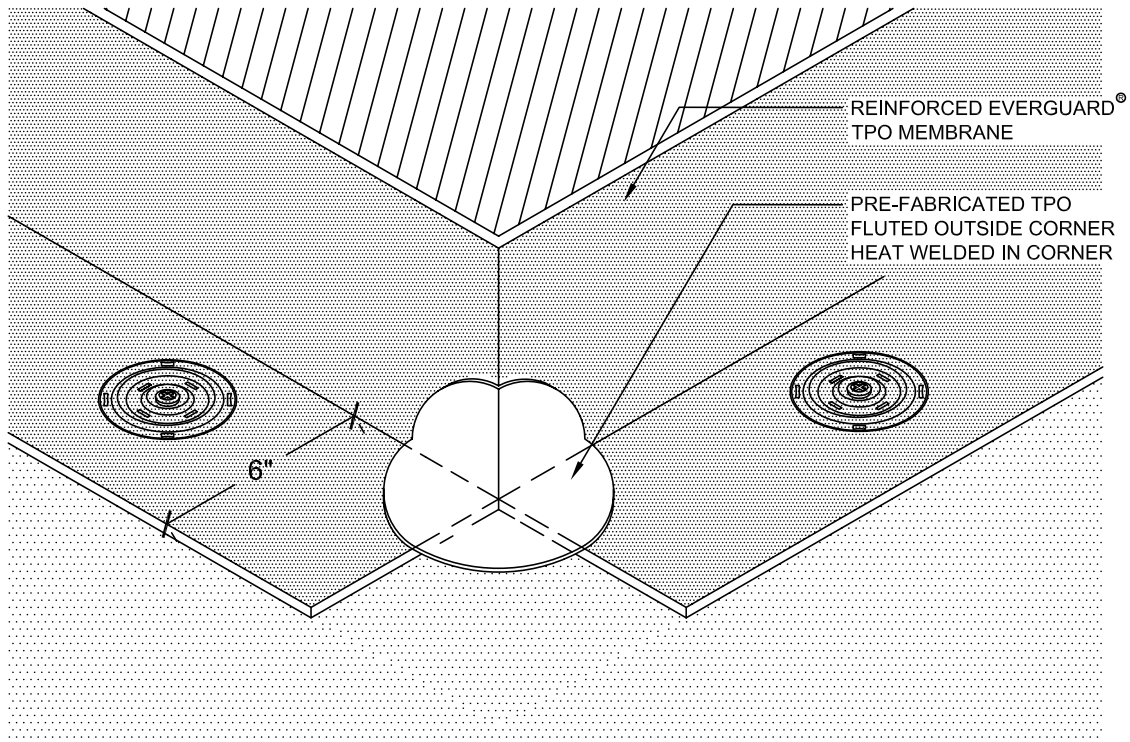
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PARAPET WALL &
CURB SERIES

DRAWING #
329A
SCALE
N.T.S.

**OUTSIDE CORNER REINFORCEMENT
- PREFORMED CORNER DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
6-26-17



NOTE:

1. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
2. CORNER CAN BE FIELD FABRICATED WITH 4" (102mm). DIAMETER UNREINFORCED MEMBRANE HEAT-WELDED FULLY IN CORNER.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



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329B

SCALE
N.T.S.

**OUTSIDE CORNER REINFORCEMENT -
FLUTED CORNER DETAIL**

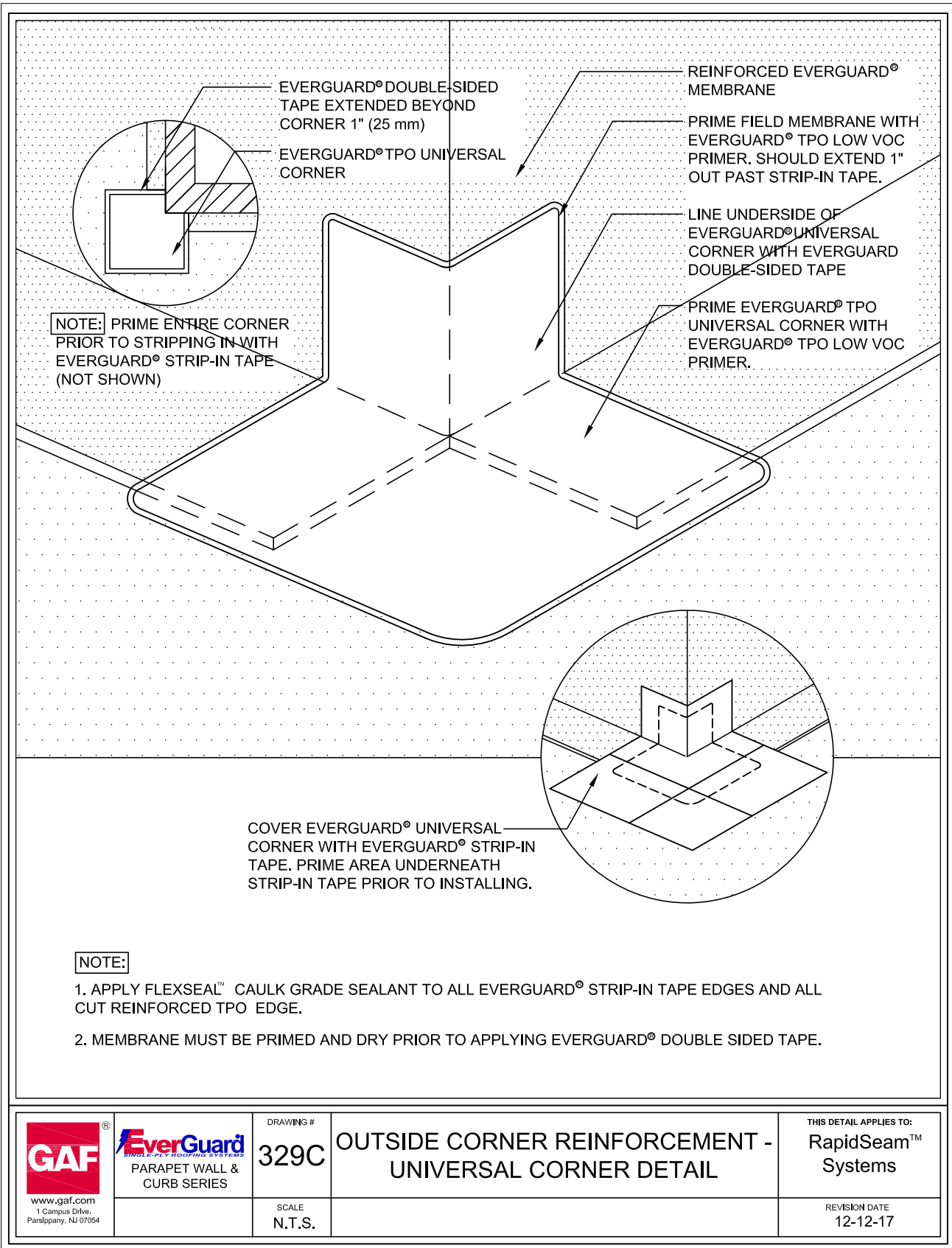
THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
12-12-17

ARCHITECTURAL DETAIL DRAWINGS

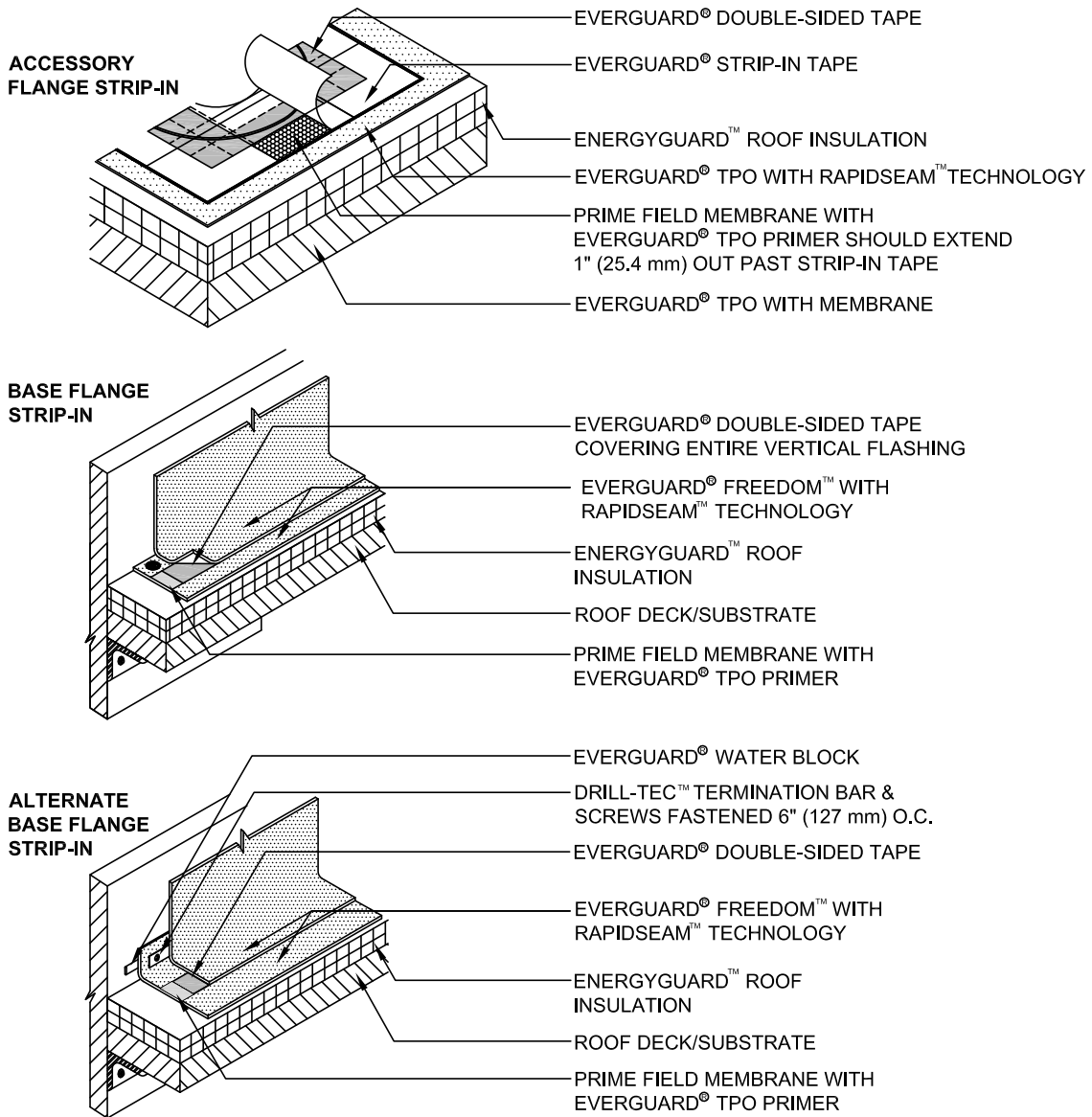
EverGuard® TPO/PVC Architectural Roofing Details Manual

300 Series
Wall and Curb



ARCHITECTURAL DETAIL DRAWINGS

EverGuard® TPO/PVC Architectural Roofing Details Manual



NOTE:

1. WALL MUST BE PRIMED PRIOR TO INSTALLING WALL FLASHING.
2. PRIMED MEMBRANE MUST BE DRY PRIOR TO APPLYING EVERGUARD® DOUBLE SIDED TAPE.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



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PARAPET WALL &
CURB SERIES

DRAWING #
330

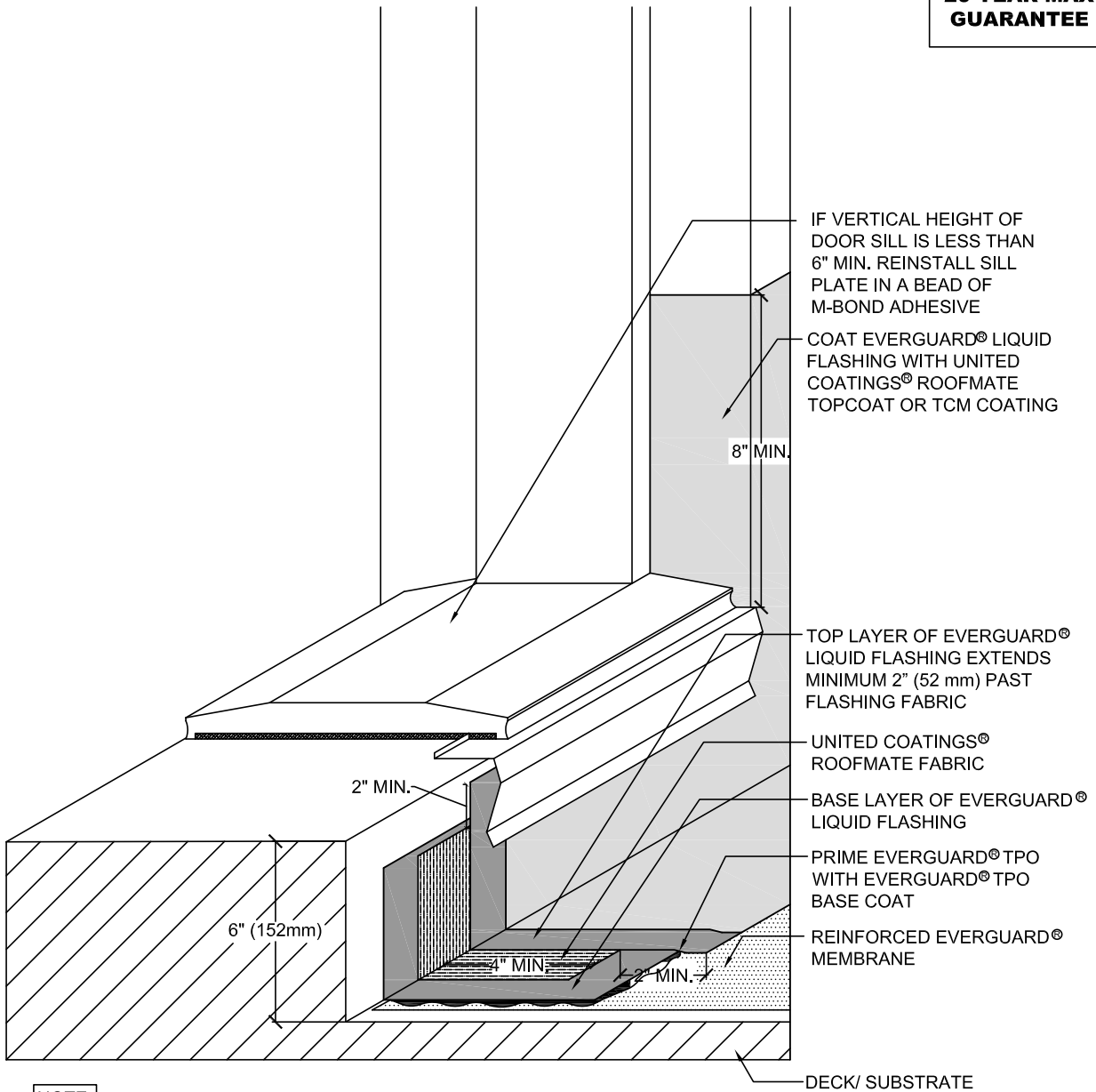
SCALE
N.T.S.

RAPIDSEAM™ TECHNOLOGY STRIP-IN DETAILS

THIS DETAIL APPLIES TO:
**Self-Adhered
Systems**
(RAPIDSEAM™ TECHNOLOGY
MEMBRANE ONLY)

REVISION DATE
12-12-17

**20-YEAR MAX
GUARANTEE**



NOTE:

1. EVERGUARD® TPO MEMBRANE MUST BE PRIMED WITH EVERGUARD® TPO BASE COAT IN ALL AREAS THAT EVERGUARD® LIQUID FLASHING OR ROOFMATE COATING WILL BE USED.
2. IF VERTICAL HEIGHT OF DOOR SILL IS LESS THAN 6" MIN. EXTEND EVERGUARD® LIQUID FLASHING SYSTEM UNDER DOOR SILL. SEE DETAIL 303MM FOR MORE DETAILS.



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DRAWING #

341

SCALE
N.T.S.

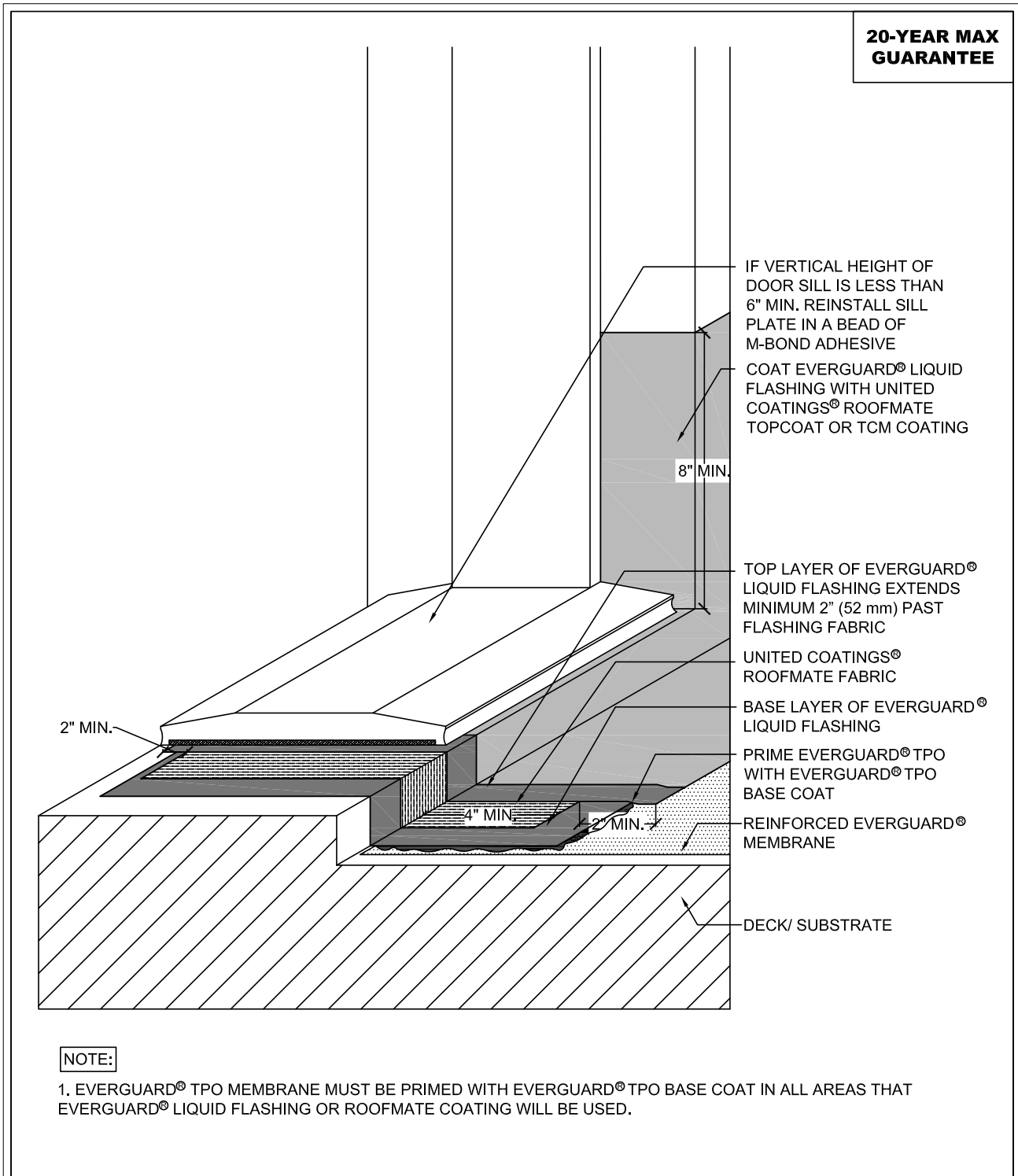
RAISED DOOR SILL FLASHING


THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
10-3-17

ARCHITECTURAL DETAIL DRAWINGS
EverGuard® TPO/PVC Architectural Roofing Details Manual

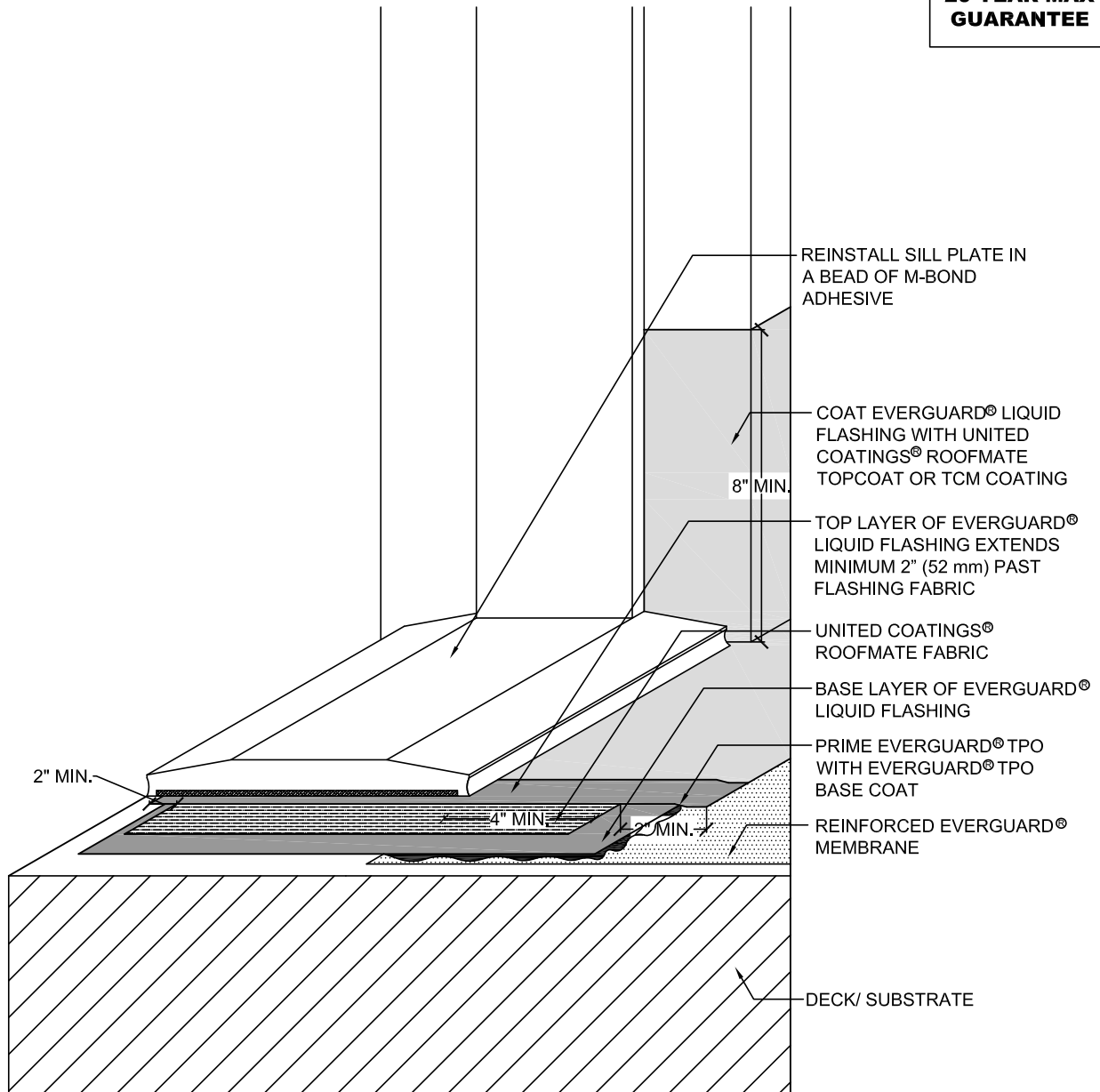


 <p>www.gaf.com 1 Campus Drive, Parsippany, NJ 07054</p>	 <p>PARAPET WALL & CURB SERIES</p>	<p>DRAWING #</p> <p>342</p> <p>SCALE</p> <p>N.T.S.</p>	<p>THIS DETAIL APPLIES TO:</p> <p>LOW DOOR SILL FLASHING</p>	<p>ALL SYSTEMS</p> <p>REVISION DATE</p> <p>12-12-17</p>
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ARCHITECTURAL DETAIL DRAWINGS

EverGuard® TPO/PVC Architectural Roofing Details Manual

**20-YEAR MAX
GUARANTEE**



NOTE:

1. EVERGUARD® TPO MEMBRANE MUST BE PRIMED WITH EVERGUARD® TPO BASE COAT IN ALL AREAS THAT EVERGUARD® LIQUID FLASHING OR ROOFMATE COATING WILL BE USED.



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343

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N.T.S.

FLUSH DOOR SILL FLASHING

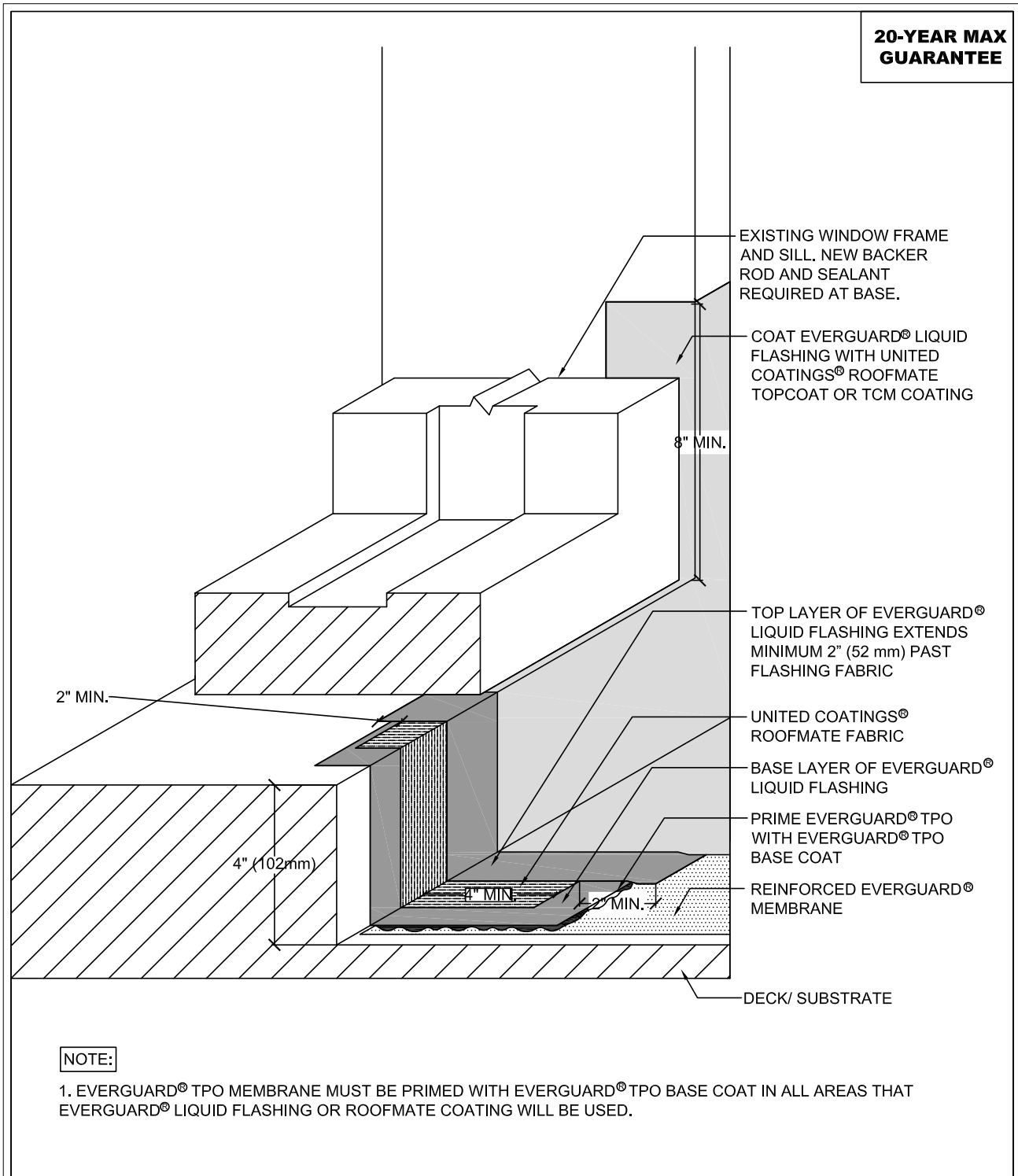
THIS DETAIL APPLIES TO:



ALL SYSTEMS

REVISION DATE
10-3-17

ARCHITECTURAL DETAIL DRAWINGS

EverGuard® TPO/PVC Architectural Roofing Details Manual



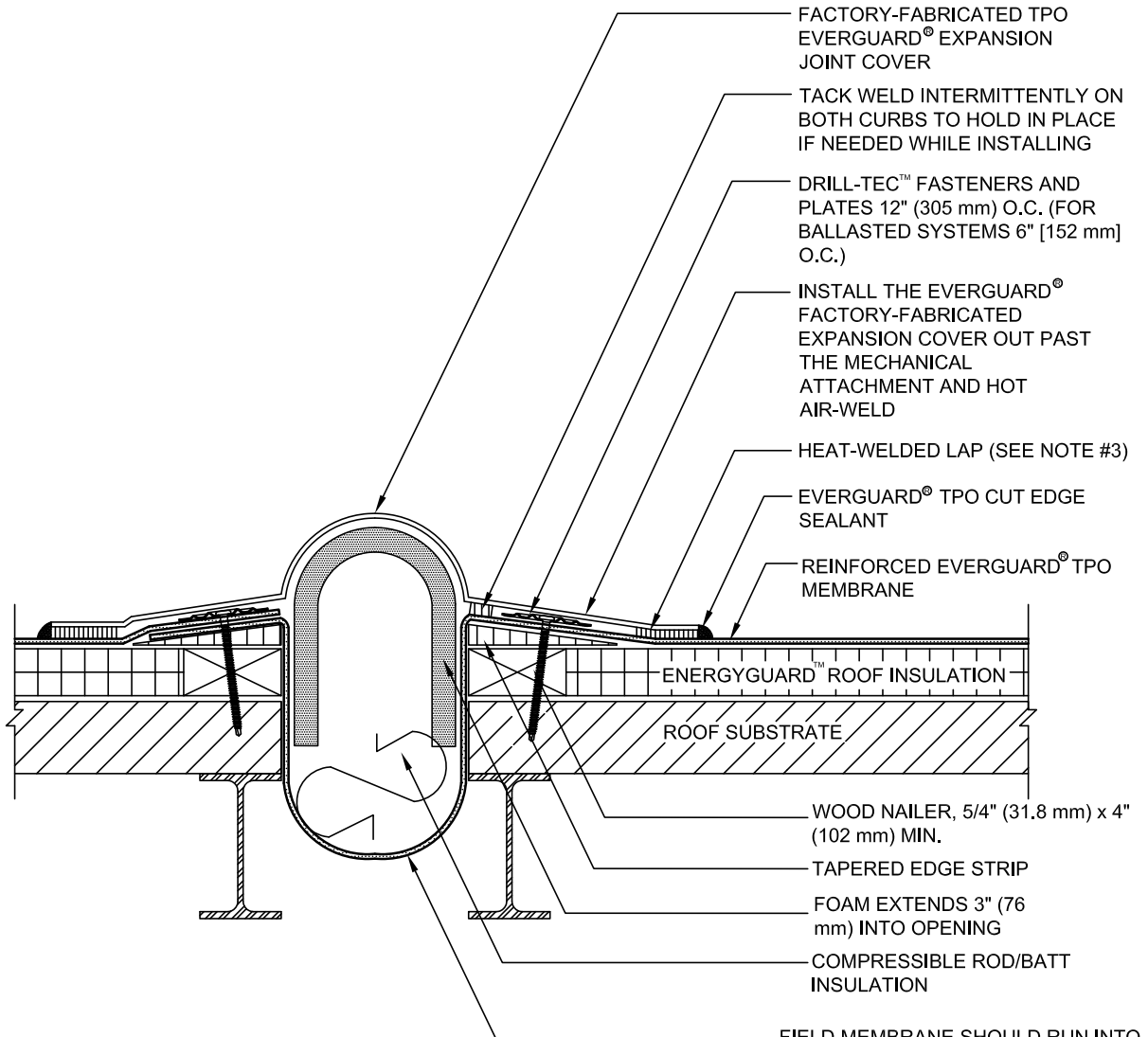
 <p>www.gaf.com 1 Campus Drive, Parsippany, NJ 07054</p>	 <p>PARAPET WALL & CURB SERIES</p>	<p>DRAWING #</p> <p>345</p> <p>SCALE</p> <p>N.T.S.</p>	<p>WINDOW SILL FLASHING</p>	<p>THIS DETAIL APPLIES TO:</p> <p>ALL SYSTEMS</p> <p>REVISION DATE</p> <p>10-3-17</p>
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400 Series Expansion Joint Detail



Quick access to installation videos and detail drawings for EverGuard® single-ply systems.

Visit http://www.gaf.com/roofing/commercial/smart_details for further information.



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. FOR SELF-ADHERED SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
EXPANSION JOINT
SERIES

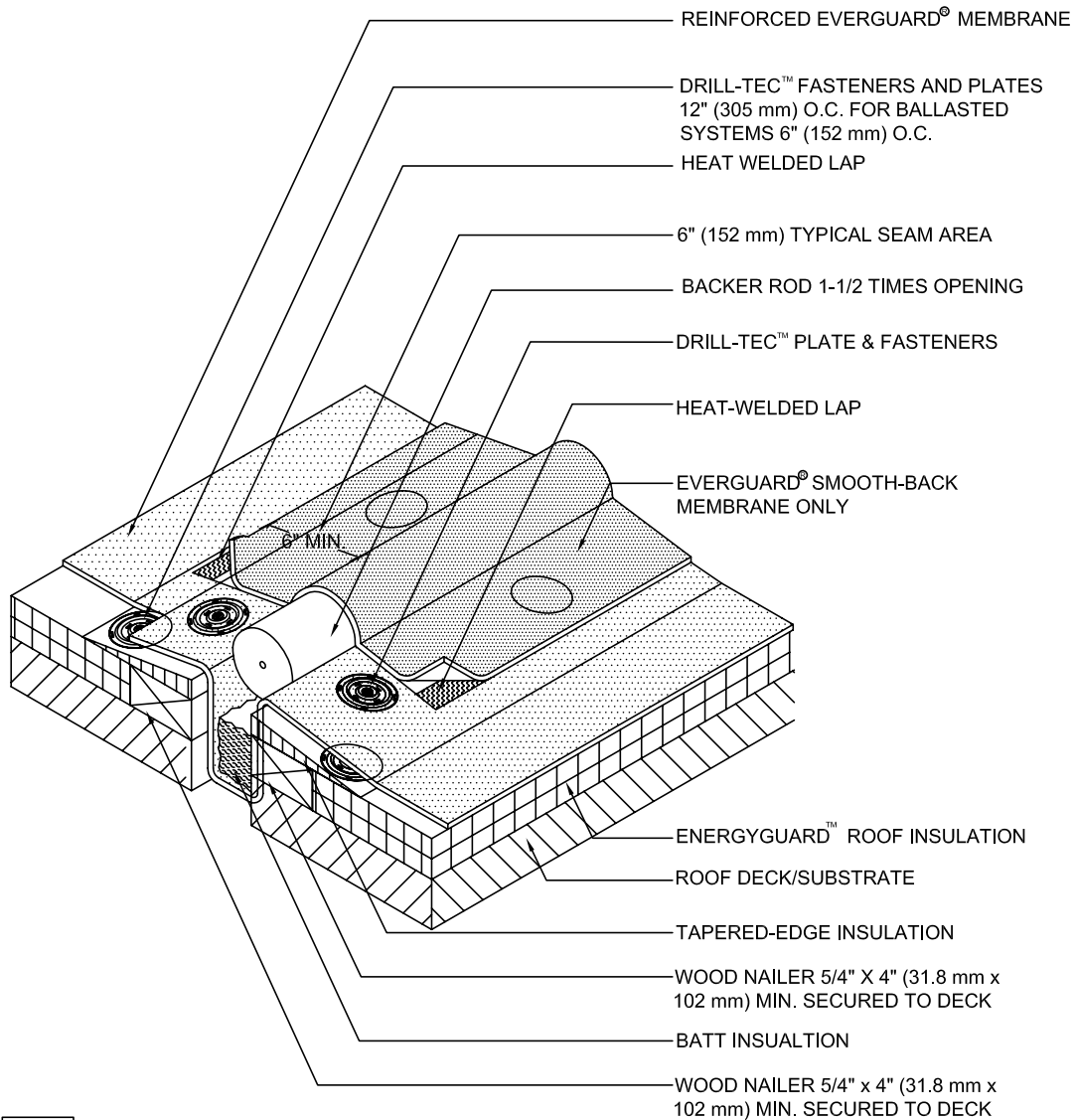
DRAWING #
401A
SCALE
N.T.S.

**FACTORY FABRICATED EXPANSION
JOINT DETAIL - FLAT TYPE**

TPO ONLY

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
6-20-16



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. FIELD-FABRICATED EXPANSION JOINT SHOULD NOT BE FLEECE-BACK OR SELF-ADHERING MEMBRANE. USE STANDARD EVERGUARD® MEMBRANE.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).
1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.



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EverGuard
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EXPANSION JOINT
SERIES

DRAWING #

401B

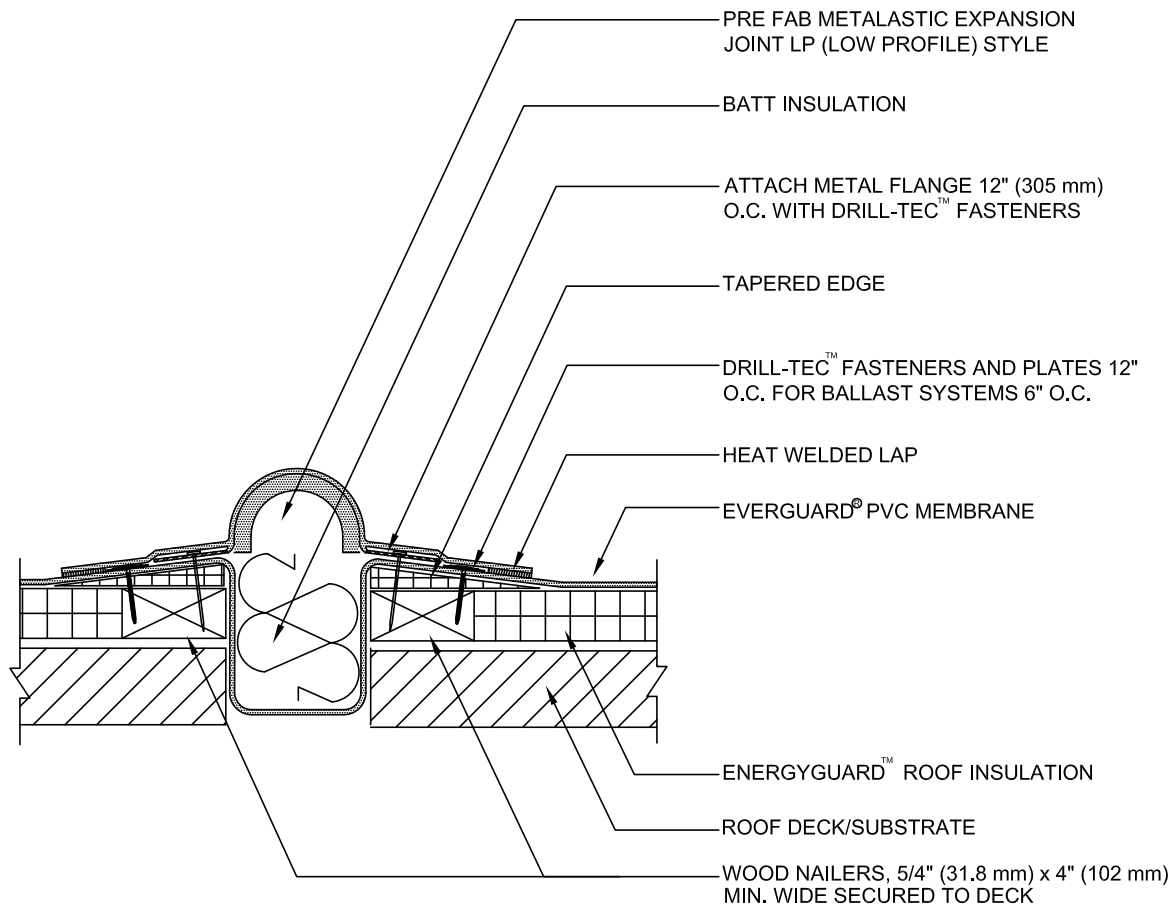
SCALE
N.T.S.

**FIELD FABRICATED EXPANSION
JOINT DETAIL - FLAT TYPE**

THIS DETAIL APPLIES TO:



ALL SYSTEMS

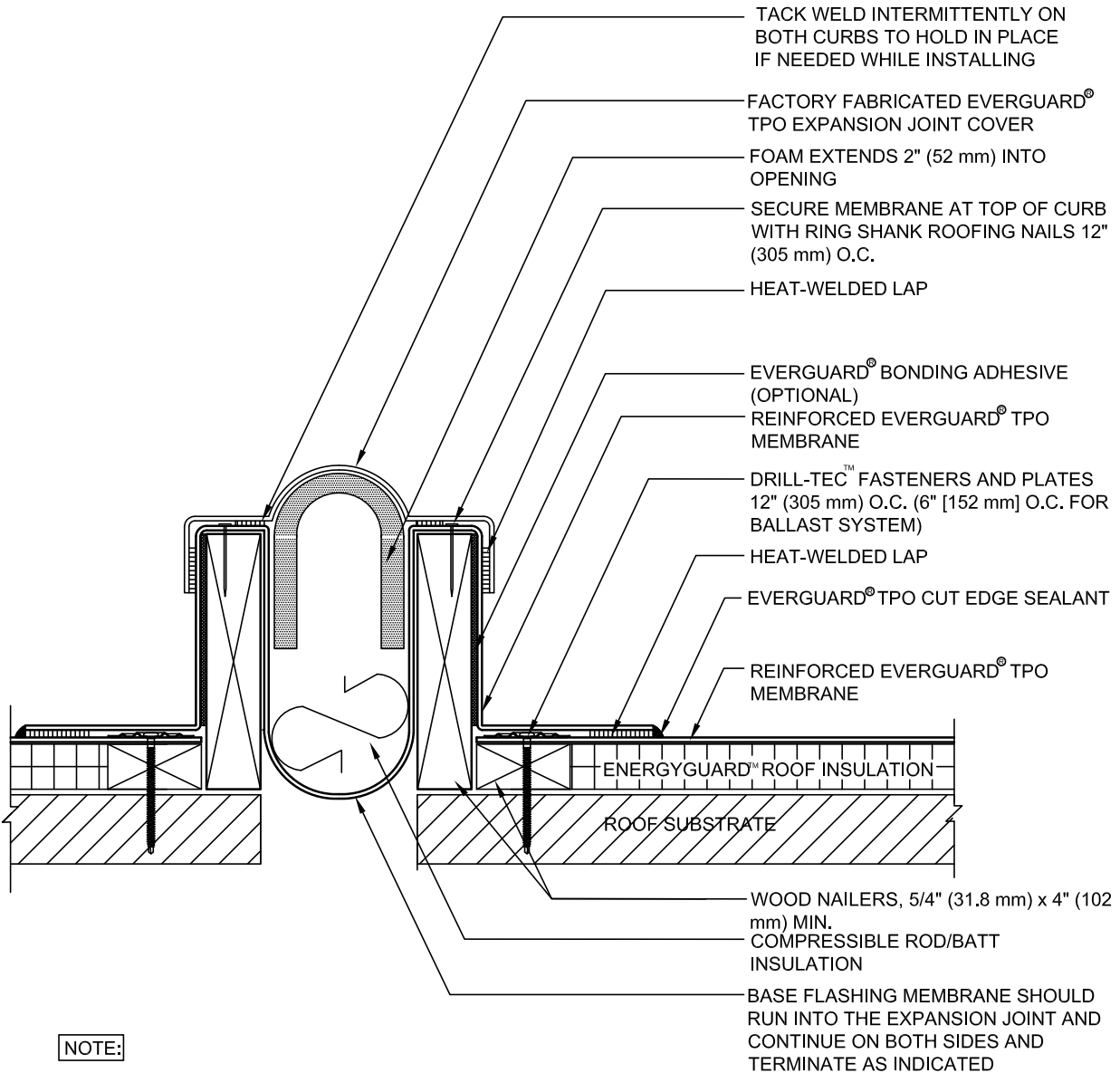
REVISION DATE
12-12-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. EVERGUARD® PRE FABRICATED METALASTIC EXPANSION JOINTS MUST BE CUSTOM ORDERED TO SPAN EXPANSION OPENING.

 www.gaf.com 1 Campus Drive, Parsippany, NJ 07054	 EXPANSION JOINT SERIES	DRAWING # 401C	PVC METALASTIC EXPANSION JOINT - FLAT TYPE	THIS DETAIL APPLIES TO: ALL SYSTEMS
		SCALE N.T.S.	PVC ONLY	REVISION DATE 12-12-17



NOTE:

1. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).

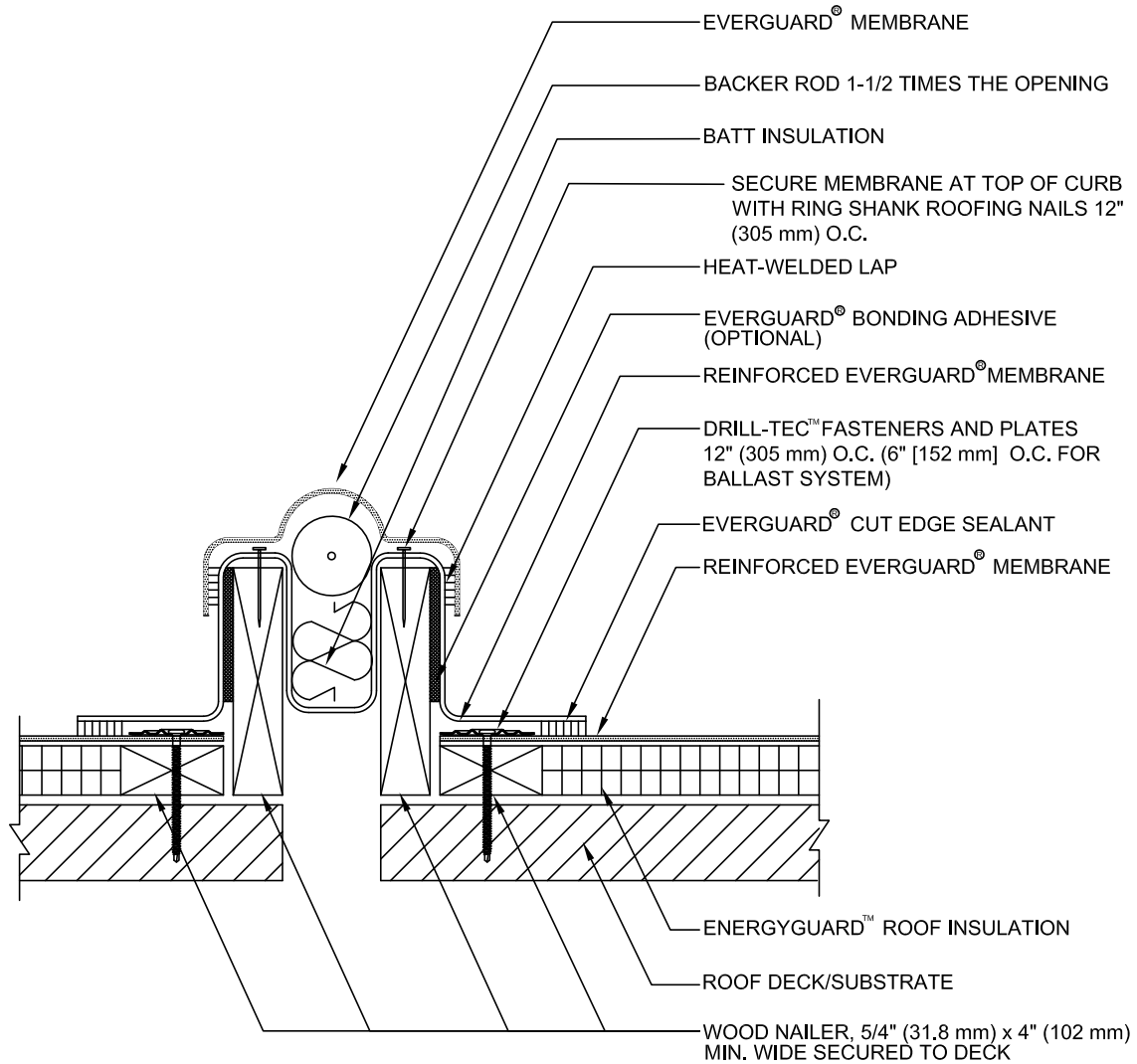


EverGuard
SINGLE-PLY ROOFING SYSTEMS
EXPANSION JOINT
SERIES

DRAWING #
402A
SCALE
N.T.S.

**TPO FACTORY FABRICATED
EXPANSION JOINT DETAIL- CURB
TYPE
TPO ONLY**

THIS DETAIL APPLIES TO:
ALL SYSTEMS
REVISION DATE
6-20-16



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. FIELD FABRICATED EXPANSION JOINT SHOULD BE SMOOTH BACKED MEMBRANE ONLY.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



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SINGLE-PLY ROOFING SYSTEMS
EXPANSION JOINT
SERIES

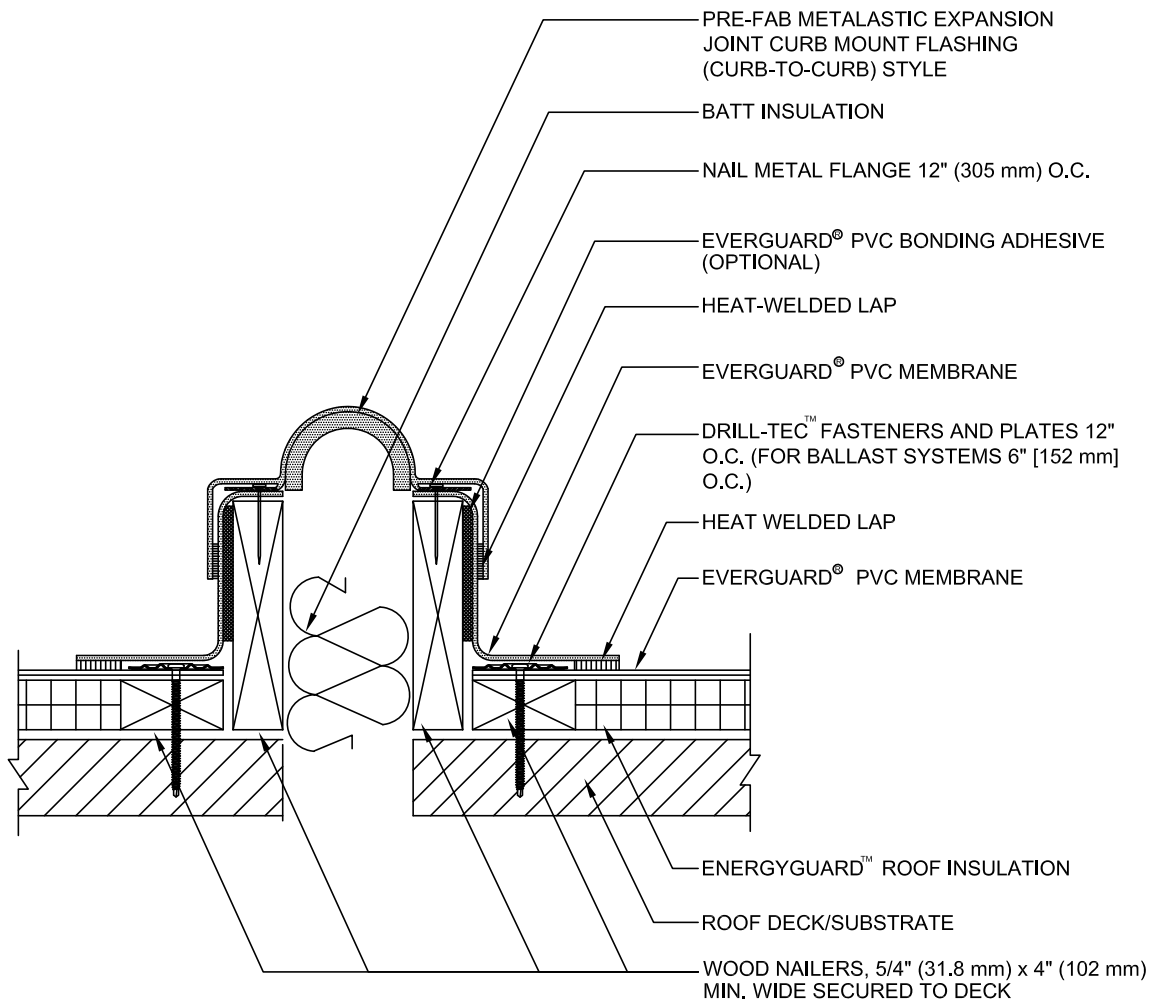
DRAWING #
402B

SCALE
N.T.S.

**FIELD FABRICATED EXPANSION
JOINT DETAIL - CURB TYPE**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
5-25-16



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. EVERGUARD® PRE-FABRICATED METALASTIC EXPANSION JOINTS MUST BE CUSTOM ORDERED TO SPAN EXPANSION OPENING.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
EXPANSION JOINT
SERIES

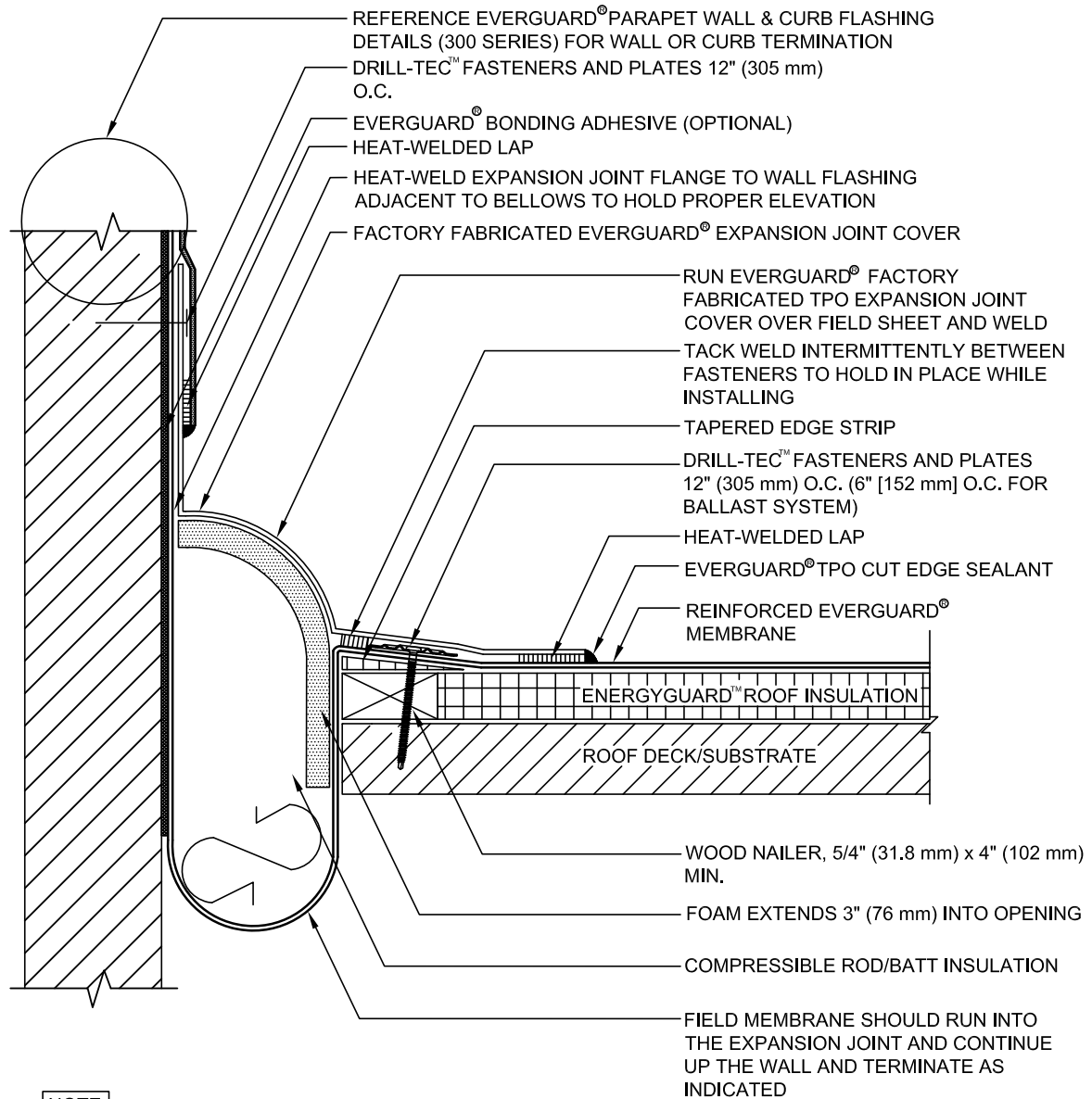
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402C
SCALE
N.T.S.

**PVC METALASTIC EXPANSION
JOINT - CURB TYPE**

PVC ONLY

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).

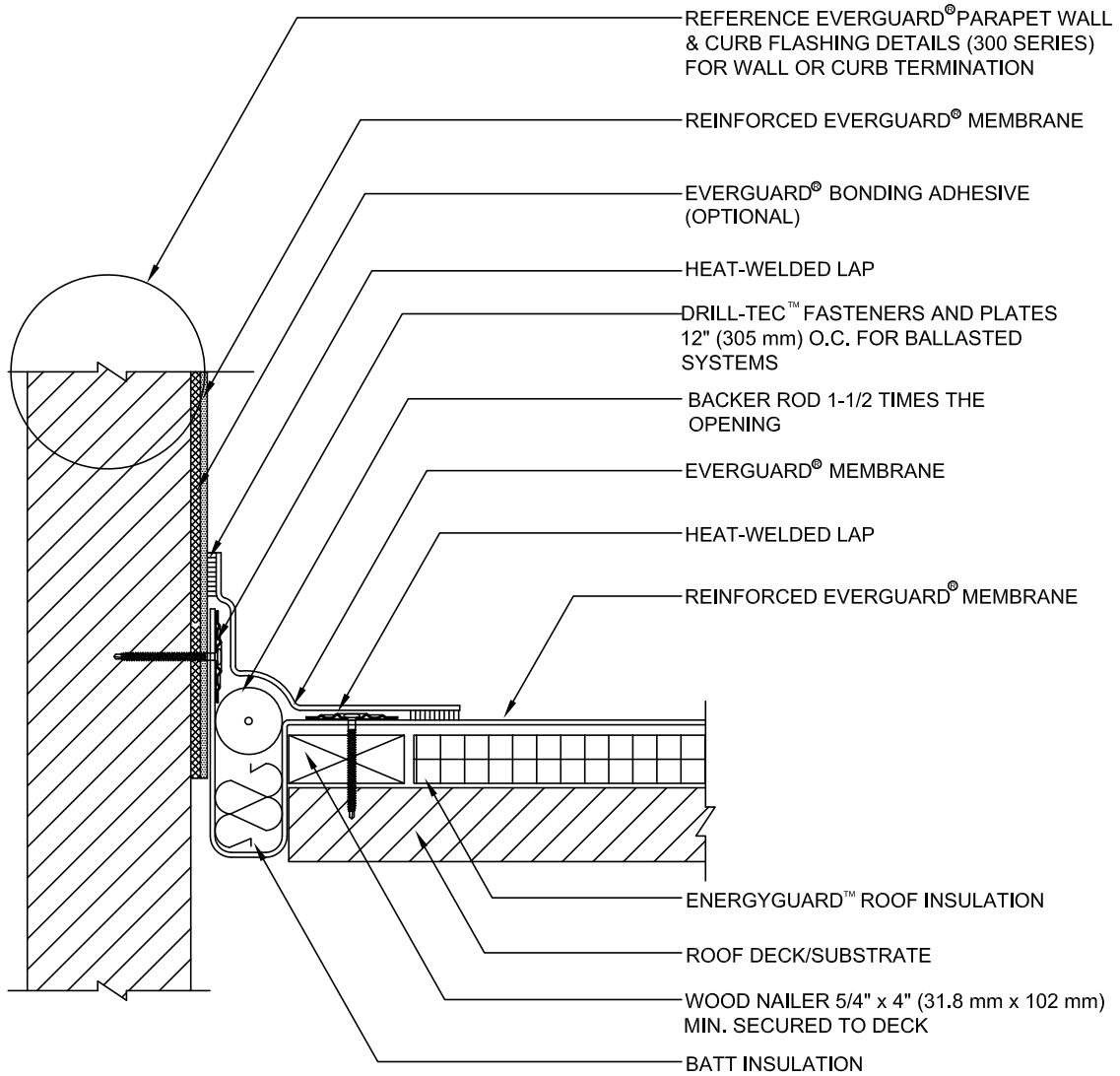


EverGuard
SINGLE-PLY ROOFING SYSTEMS
EXPANSION JOINT
SERIES

DRAWING #
403A
SCALE
N.T.S.

**TPO FACTORY FABRICATED WALL
EXPANSION JOINT DETAIL
- FLAT TYPE
TPO ONLY**

THIS DETAIL APPLIES TO:
ALL SYSTEMS
REVISION DATE
6-20-16



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. FIELD-FABRICATED EXPANSION JOINT SHOULD USE A SMOOTH BACKED MEMBRANE.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
EXPANSION JOINT
SERIES

DRAWING #

403B

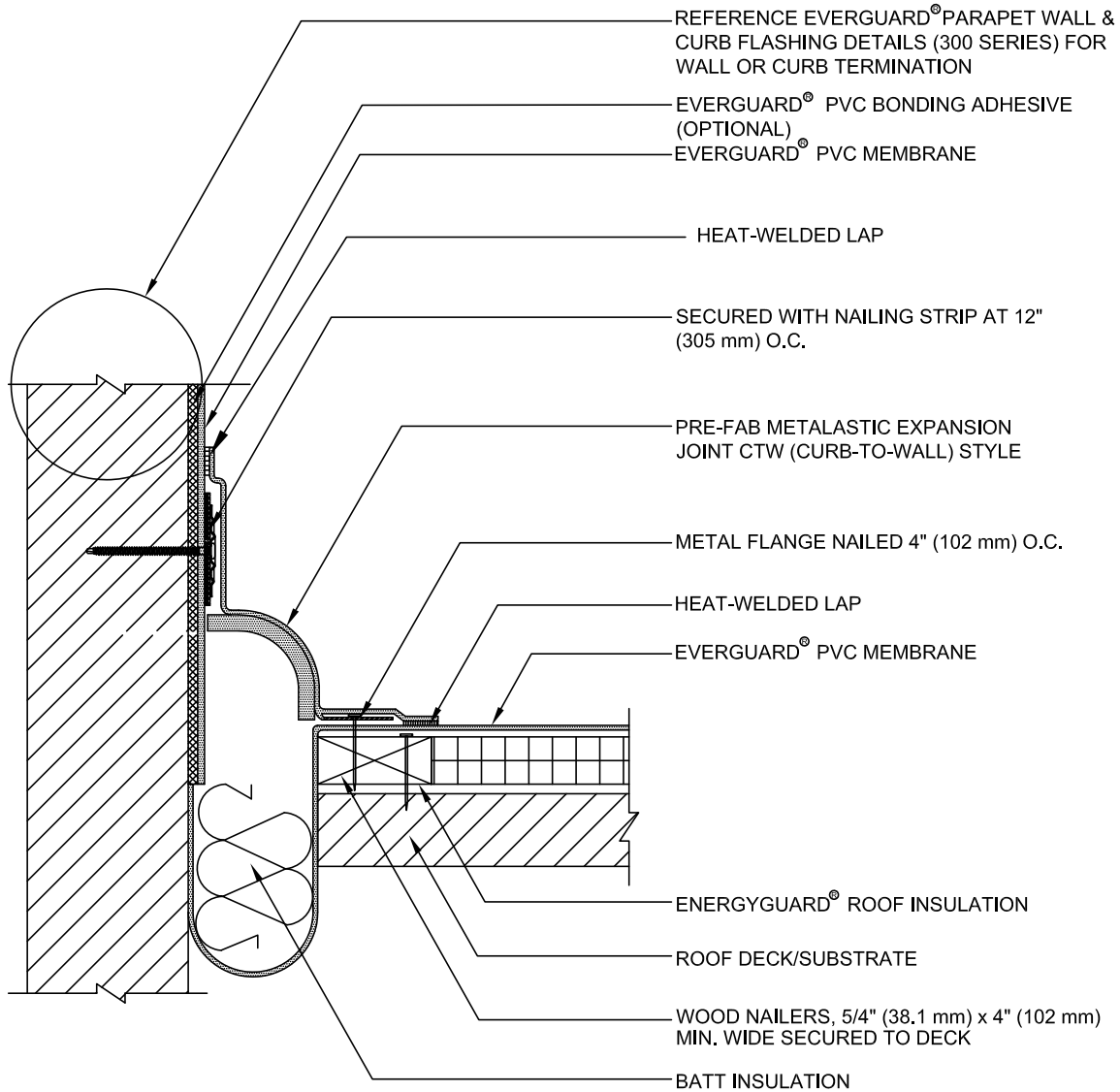
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N.T.S.

**FIELD FABRICATED WALL EXPANSION
JOINT DETAIL - FLAT TYPE**

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
6-20-16



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. EVERGUARD® PRE-FABRICATED METALASTIC EXPANSION JOINTS MUST BE CUSTOM ORDERED TO SPAN EXPANSION OPENING.



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EXPANSION JOINT
SERIES

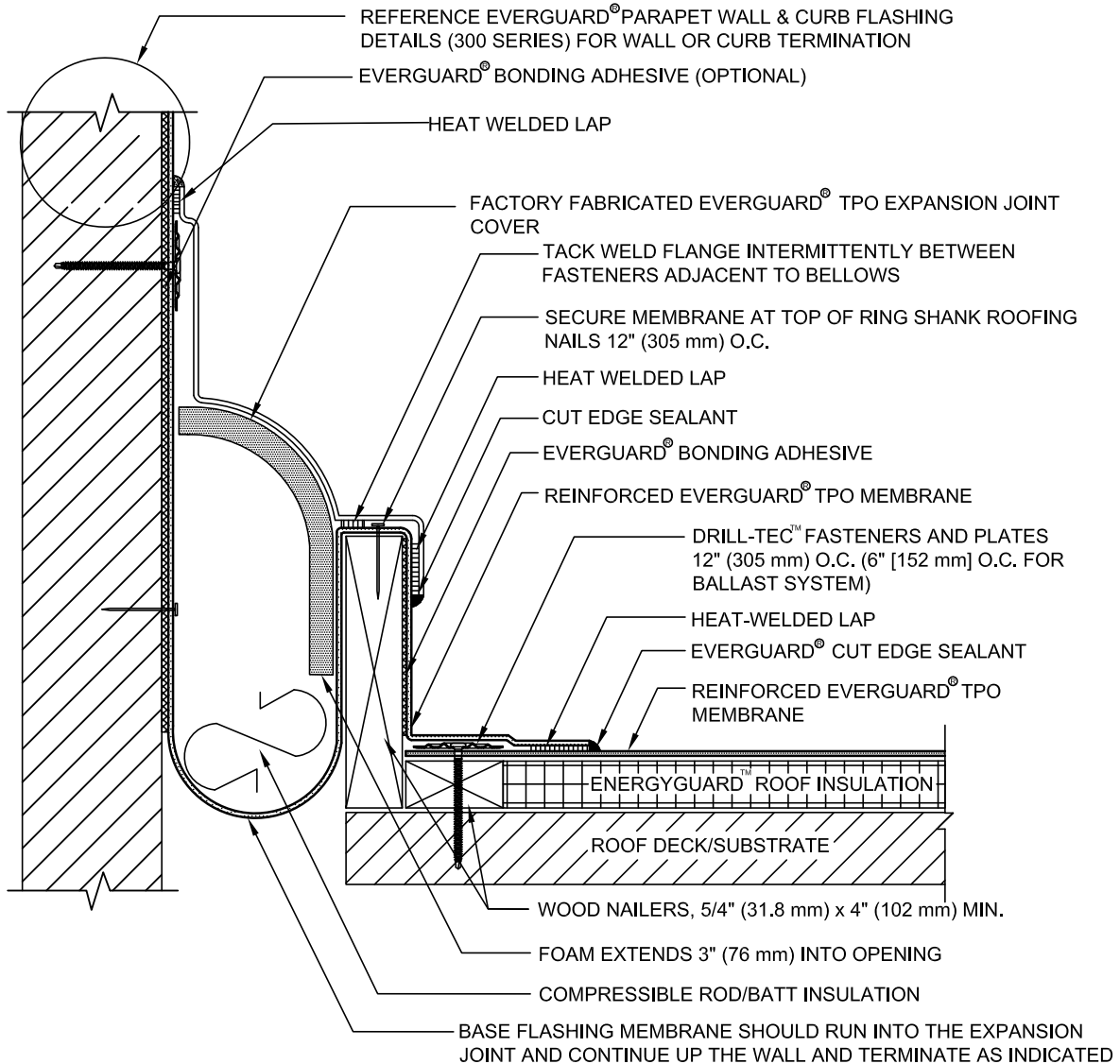
DRAWING #
403C
SCALE
N.T.S.

**PVC METALASTIC WALL EXPANSION
JOINT - FLAT TYPE**

PVC ONLY

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).

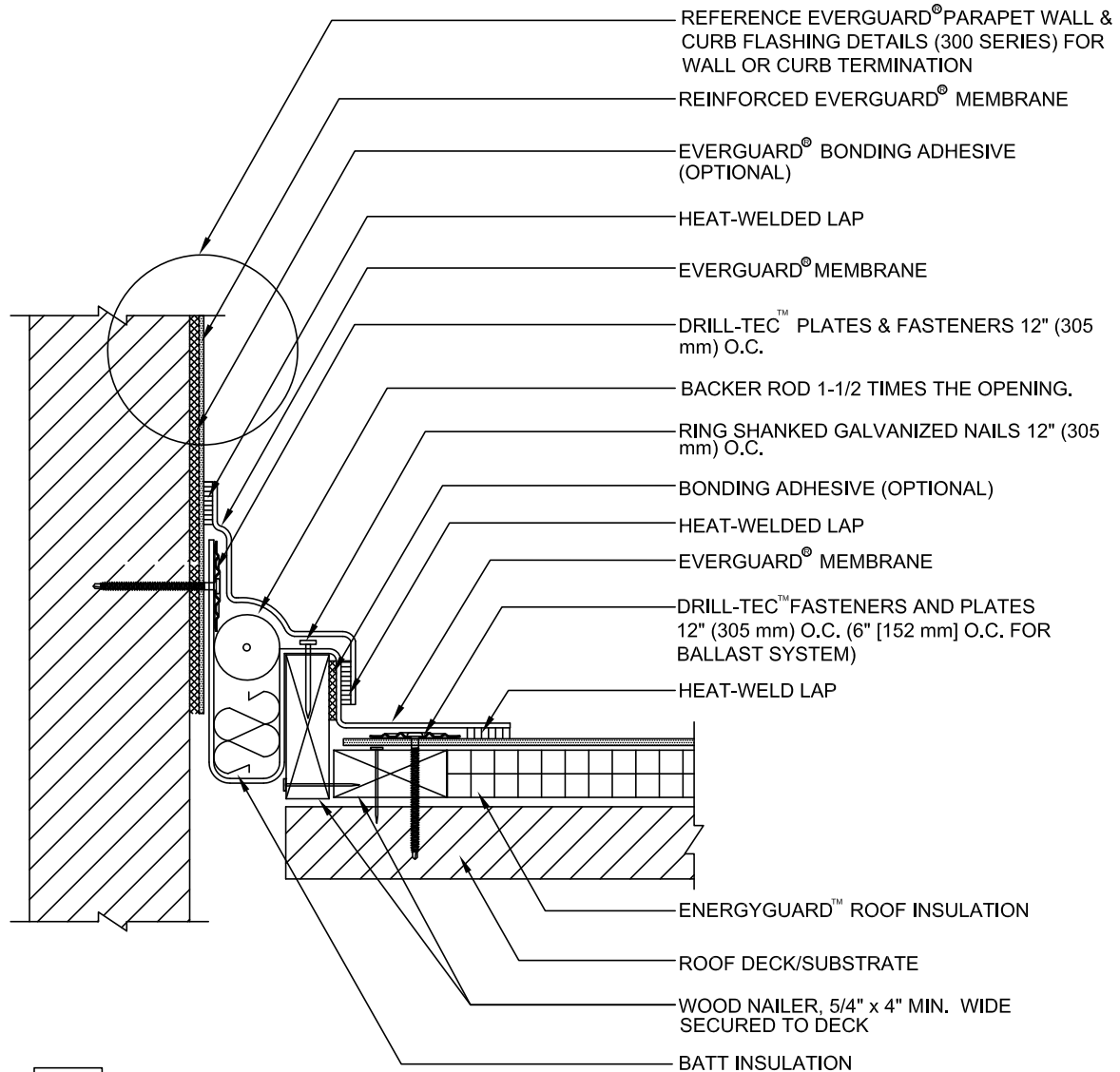


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SINGLE-PLY ROOFING SYSTEMS
EXPANSION JOINT
SERIES

DRAWING #
404A
SCALE
N.T.S.

**TPO FACTORY FABRICATED WALL
EXPANSION JOINT DETAIL-CURB
TYPE**
TPO ONLY

THIS DETAIL APPLIES TO:
ALL SYSTEMS
REVISION DATE
10-3-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. FIELD-FABRICATED EXPANSION JOINT SHOULD BE SMOOTH BACKED MEMBRANE ONLY.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



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SINGLE-PLY ROOFING SYSTEMS
EXPANSION JOINT
SERIES

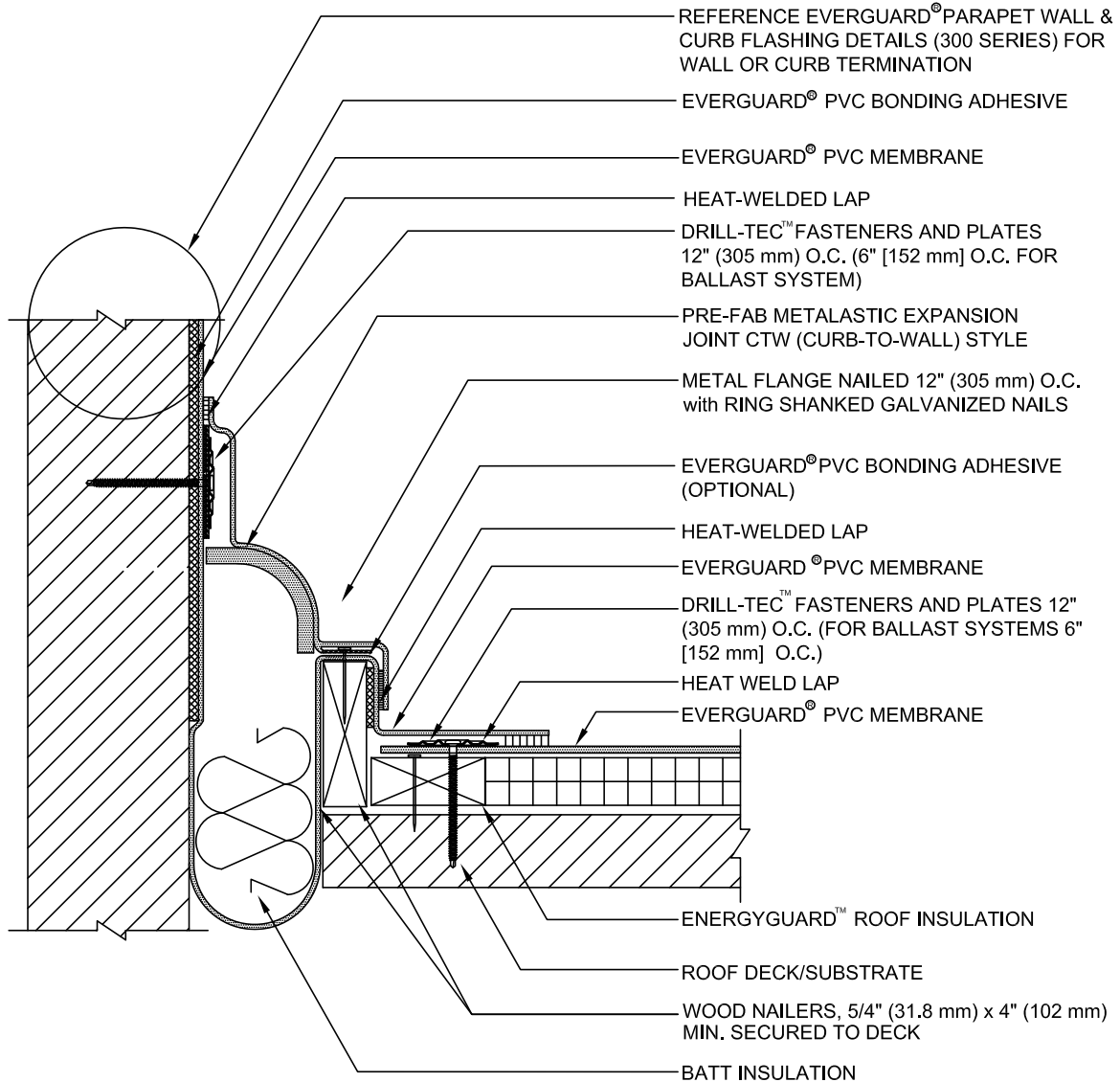
DRAWING #
404B

SCALE
N.T.S.

**FIELD FABRICATED WALL
EXPANSION JOINT DETAIL - CURB
TYPE**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
5-25-16



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. EVERGUARD® PRE FABRICATED METALSTIC EXPANSION JOINTS MUST BE CUSTOM ORDERED TO SPAN EXPANSION OPENING.



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EXPANSION JOINT
SERIES

DRAWING #
404C
SCALE
N.T.S.

**PVC METALASTIC WALL EXPANSION
JOINT - CURB TYPE**

PVC ONLY

THIS DETAIL APPLIES TO:
ALL SYSTEMS

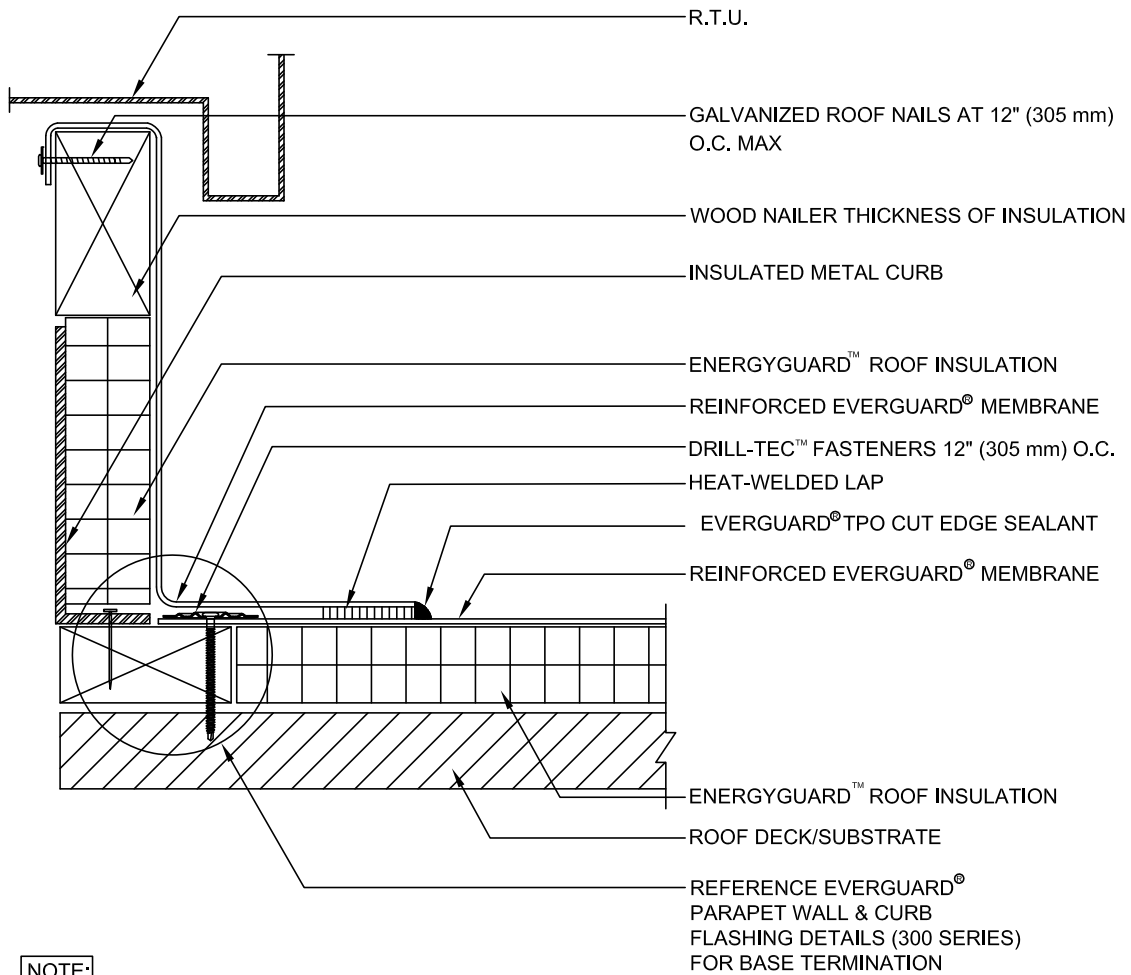
REVISION DATE
5-25-16

500 Series Roof Penetration Details



Quick access to installation videos and detail drawings for EverGuard® single-ply systems.

Visit http://www.gaf.com/roofing/commercial/smart_details for further information.



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
3. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

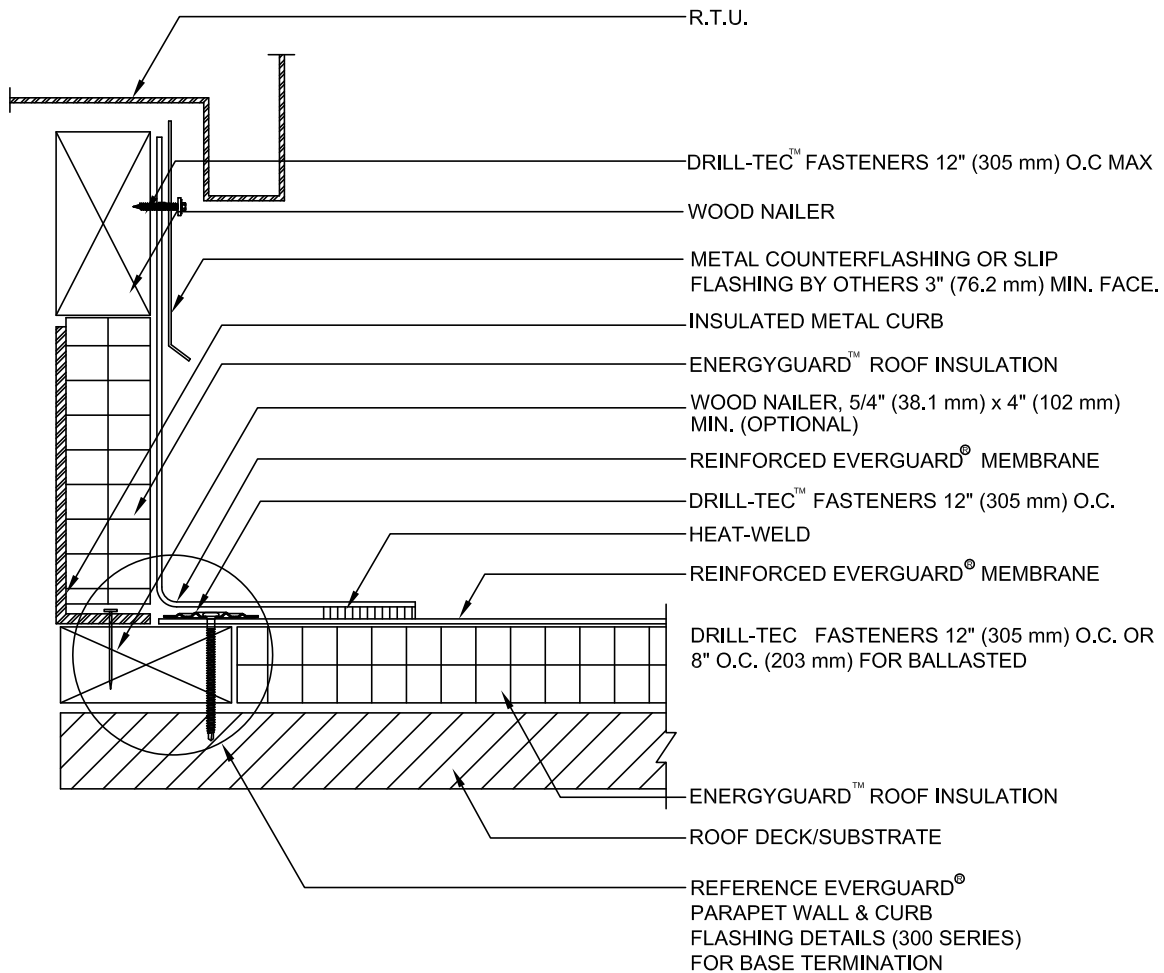
DRAWING #
503A

SCALE
N.T.S.

**TERMINATION AT R.T.U. WITH
WELDED LAP DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
6-21-16



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED.
2. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
3. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

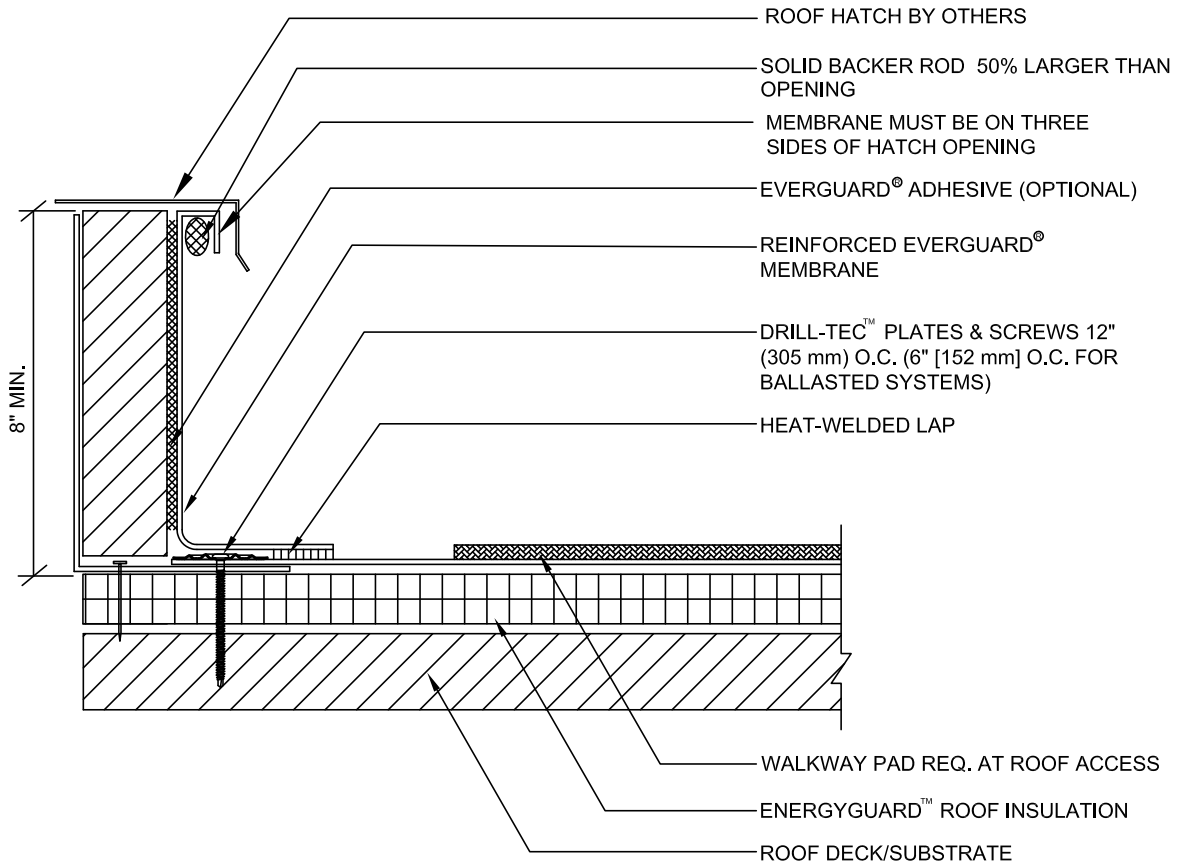
DRAWING #
503B

SCALE
N.T.S.

**TERMINATION AT EXISTING R.T.U.
WITH COUNTERFLASHING DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
6-21-16



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. IF EVERGUARD® FREEDOM™ MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
3. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #
505

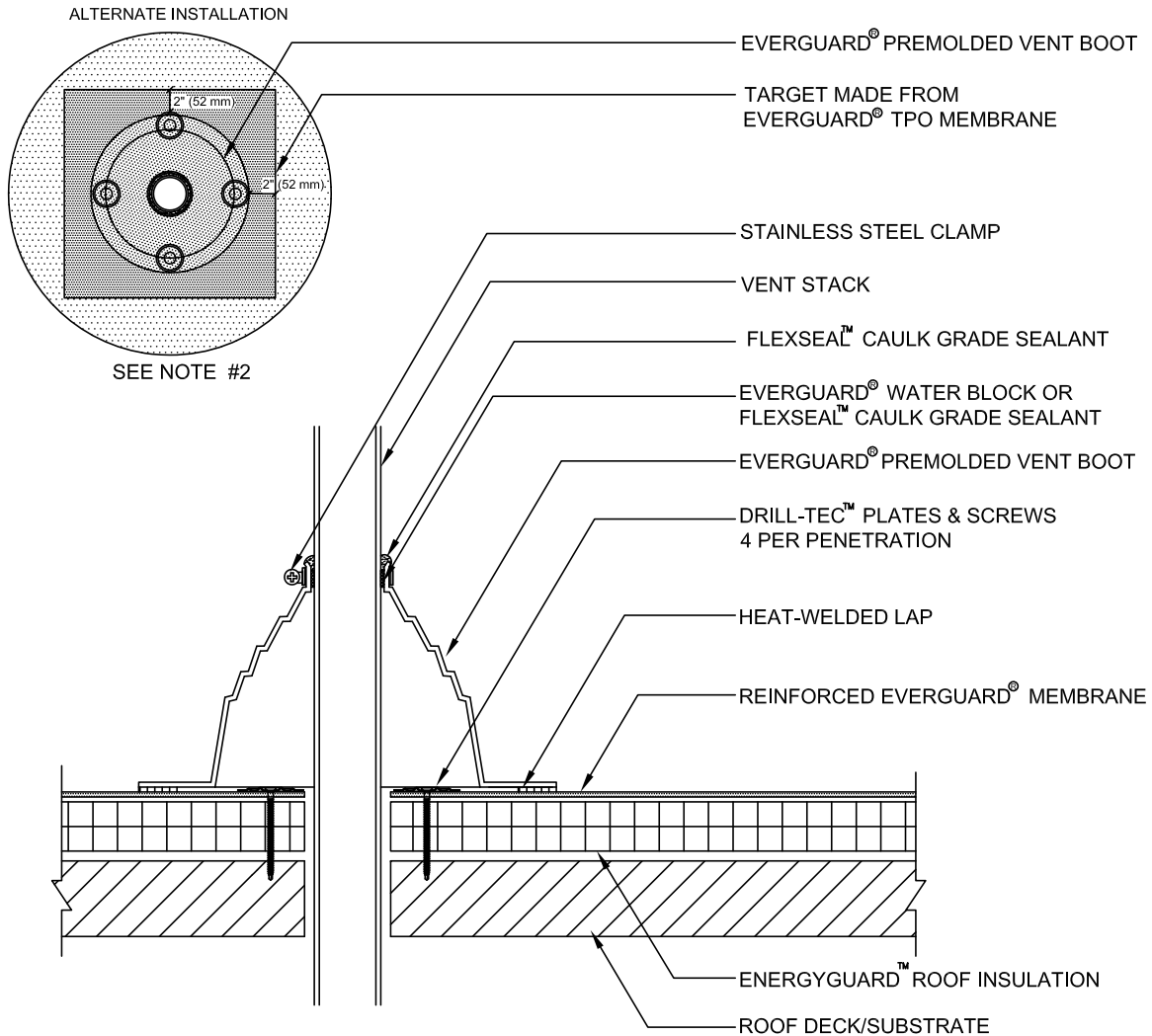
SCALE
N.T.S.

ROOF HATCH DETAIL

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
6-21-16



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. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
4. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

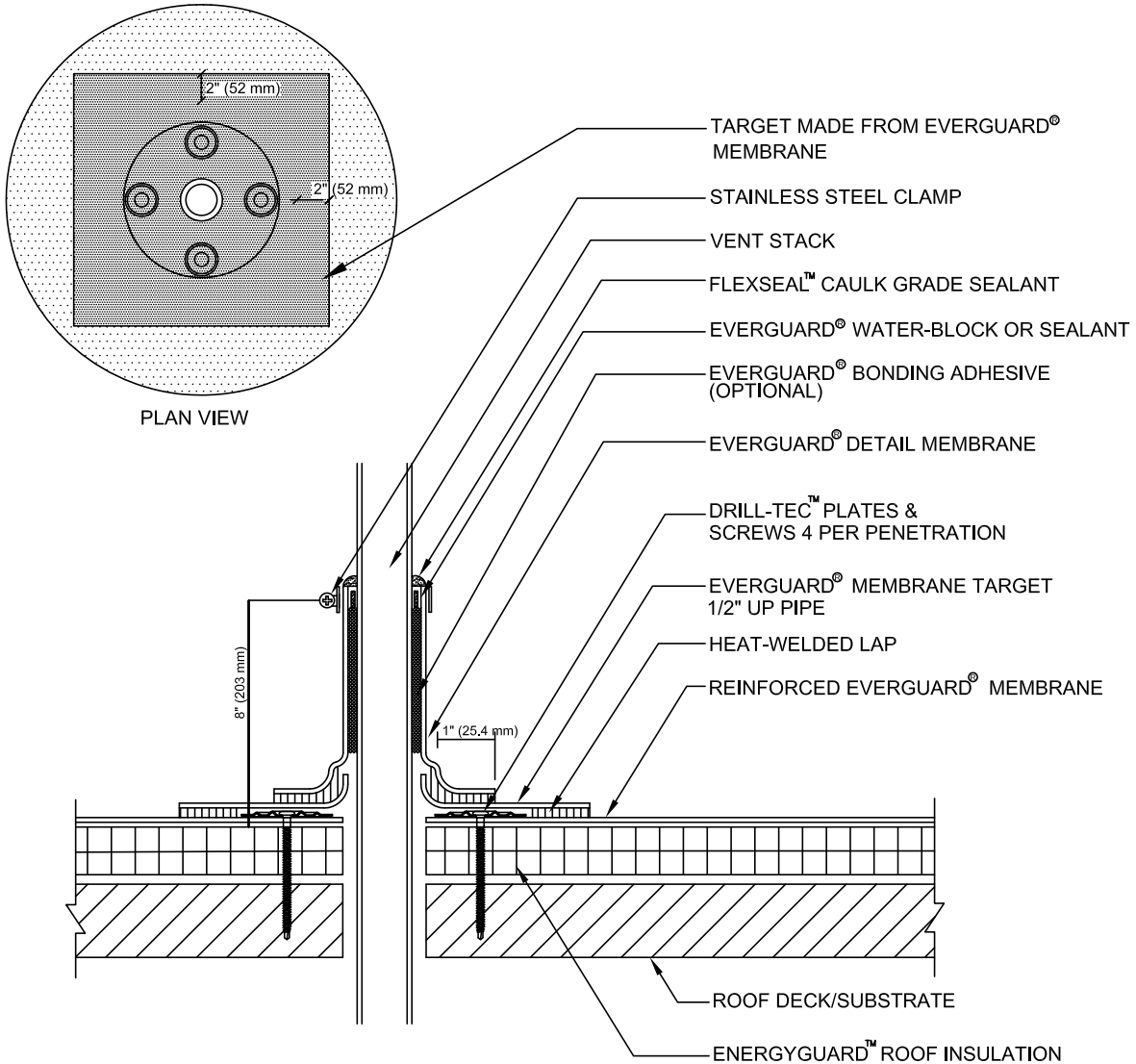
DRAWING #
506A

SCALE
N.T.S.

**PREMOLDED VENT BOOT
FLASHING DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
6-26-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. APPLY HEAT TO UNREINFORCED DETAIL MEMBRANE AND FORM BY HAND PRIOR TO HOT AIR WELDING.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

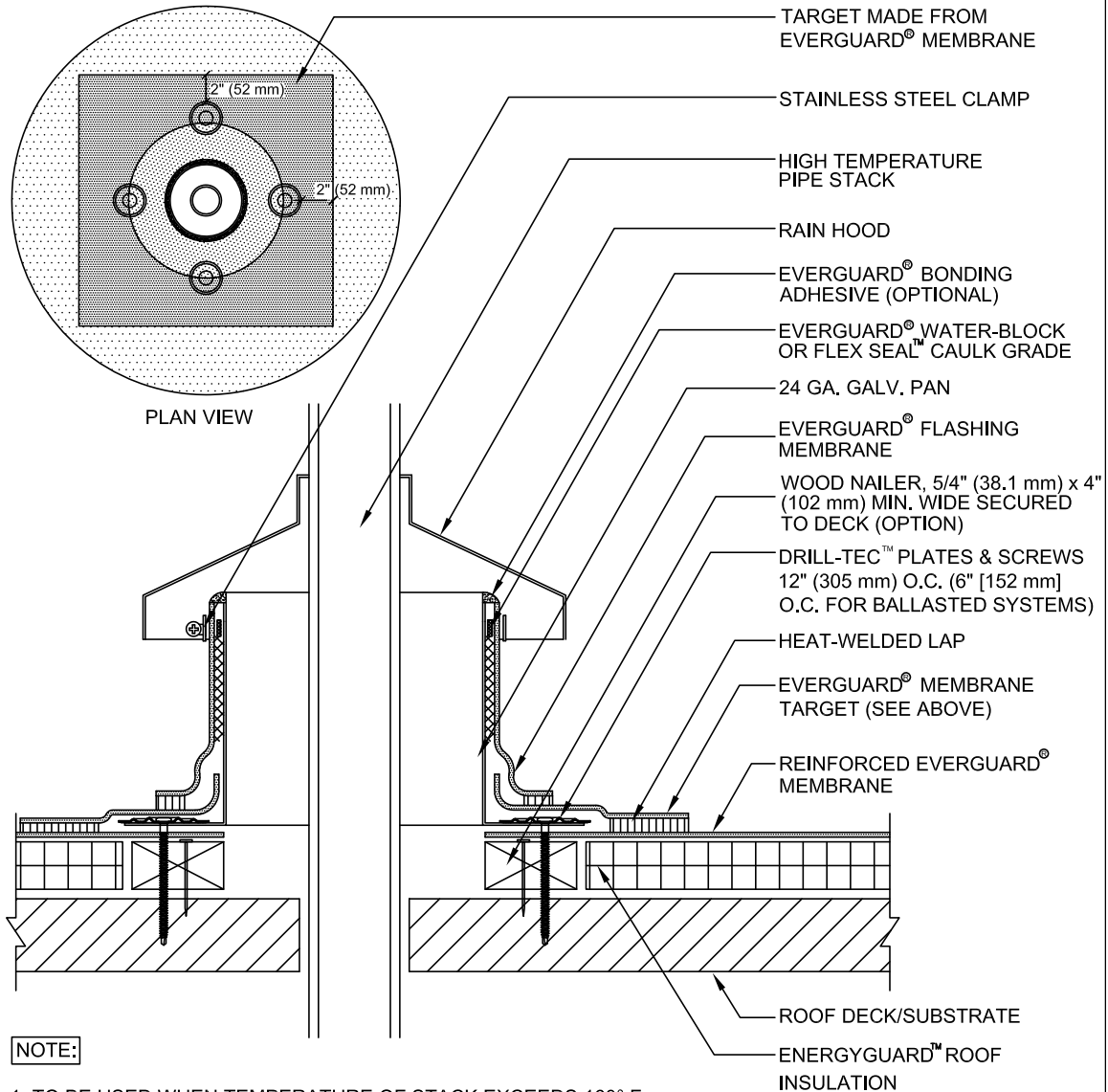
DRAWING #
507

SCALE
N.T.S.

**FIELD-WRAPPED PENETRATION
FLASHING DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
12-12-17



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

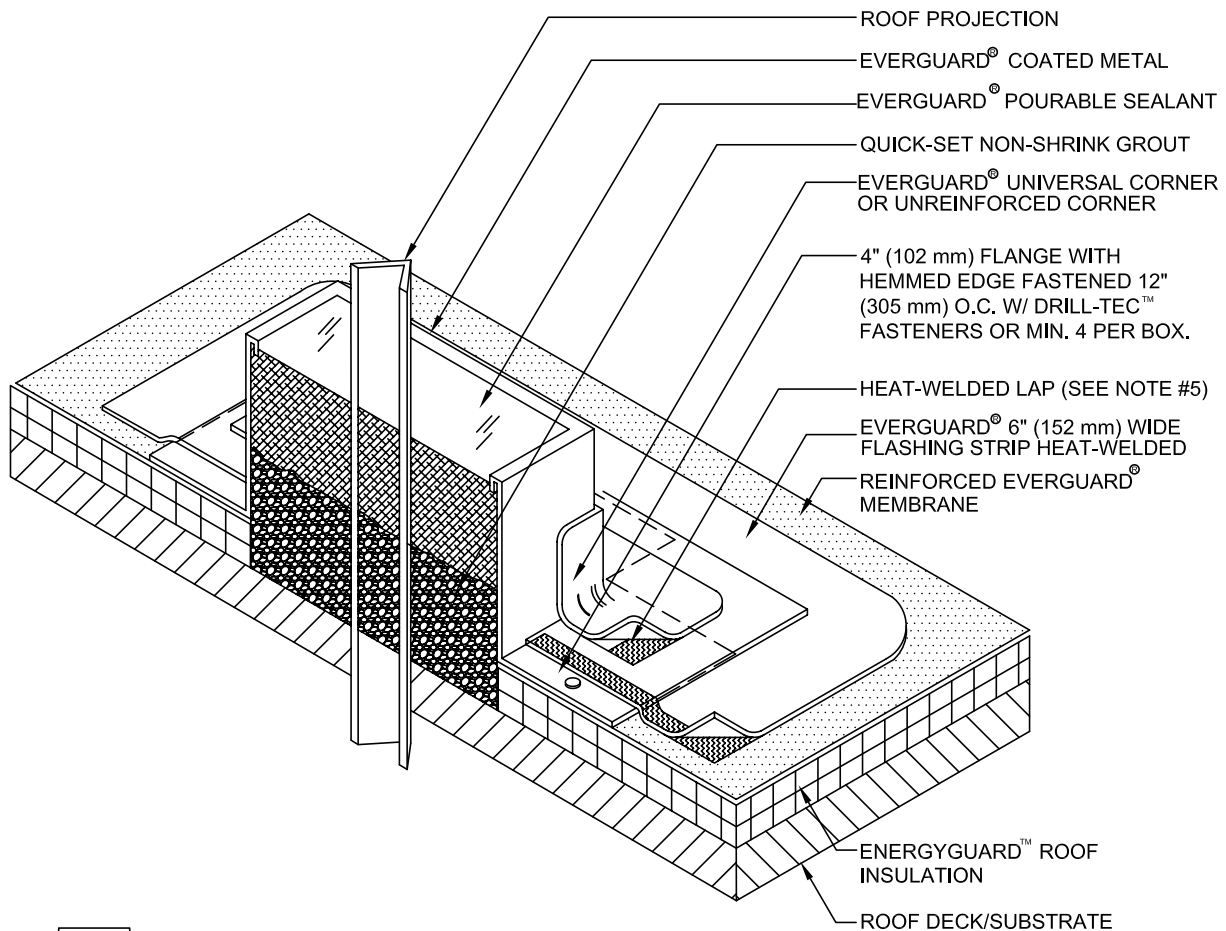
DRAWING #
508

SCALE
N.T.S.

**HIGH TEMPERATURE STACK
FLASHING DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. BEND EVERGUARD® COATED METAL TO FORM A SEALANT BOX AS SHOWN. STRIP-IN VERTICAL SEAM WHERE BOX IS JOINED TOGETHER.
3. ALLOW 2" (52 mm) CLEARANCE AROUND THE PROJECTION. IF MULTIPLE PROJECTIONS, ALLOW 1" (25.4 mm) BETWEEN PROJECTION AND BOX.
4. INSIDE SURFACE OF EVERGUARD® COATED METAL SEALANT BOX (BARE METAL SIDE) MUST BE CLEAN AND DRY BEFORE SEALANT IS APPLIED.
5. EXISTING PROJECTION MUST BE CLEANED AND FREE OF ANY INSULATING MATERIALS.
6. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.
7. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #
509

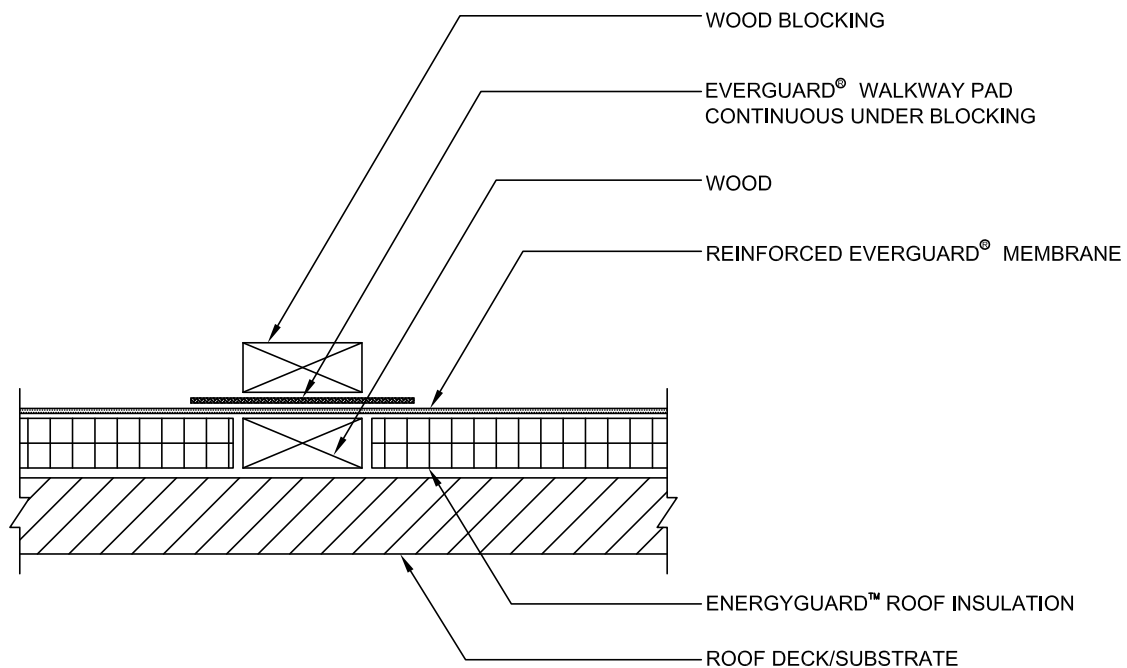
SCALE
N.T.S.

COATED METAL SEALANT BOX PENETRATION FLASHING

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. IF THE INSULATION COMPRESSIVE STRENGTH IS INSUFFICIENT FOR THE EQUIPMENT WEIGHT, INSTALL WOOD UNDER THE EQUIPMENT CARRYING SLEEPER, MATCHING THE HEIGHT OF THE INSULATION.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

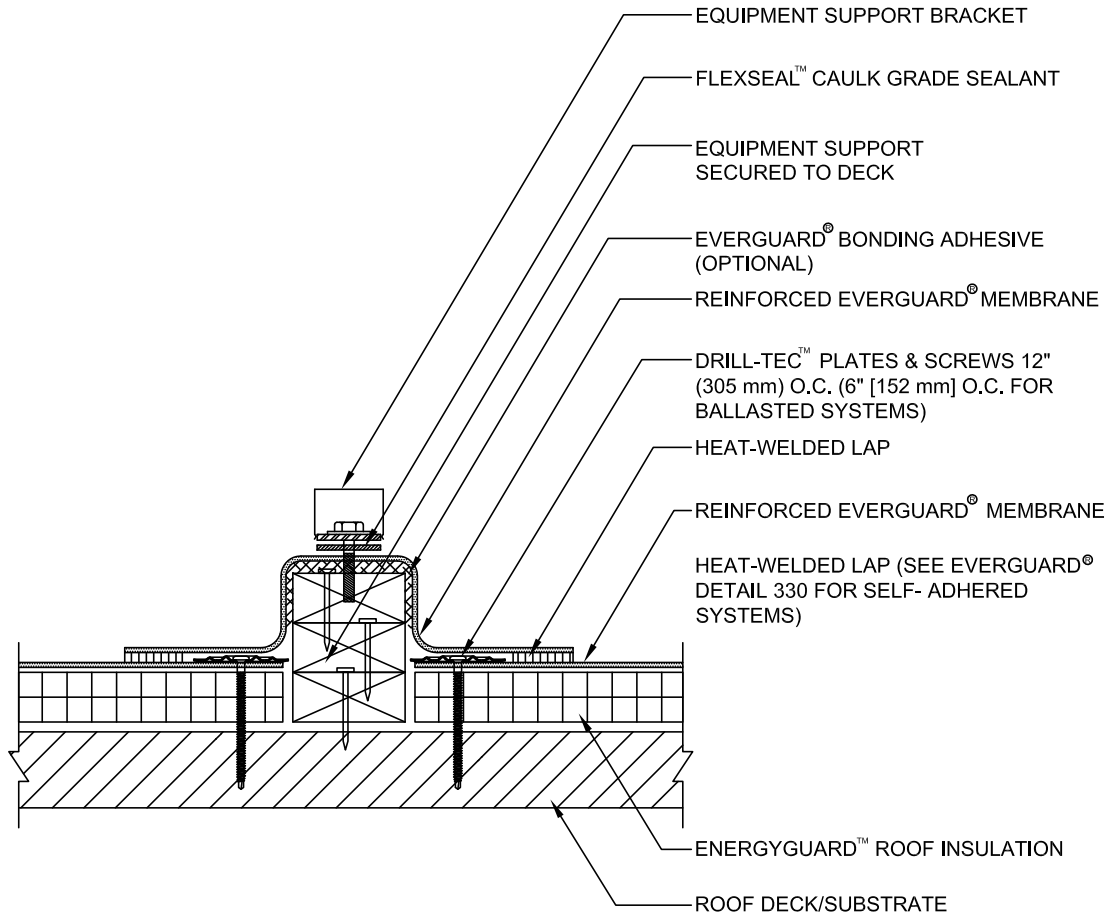
DRAWING #
511

SCALE
N.T.S.

EXPOSED WOOD EQUIPMENT SUPPORT SLEEPER DETAIL

THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
Mechanically Attached Systems
Self-Adhered Systems
TriPosite Systems

REVISION DATE
5-26-16



NOTE:

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #
512

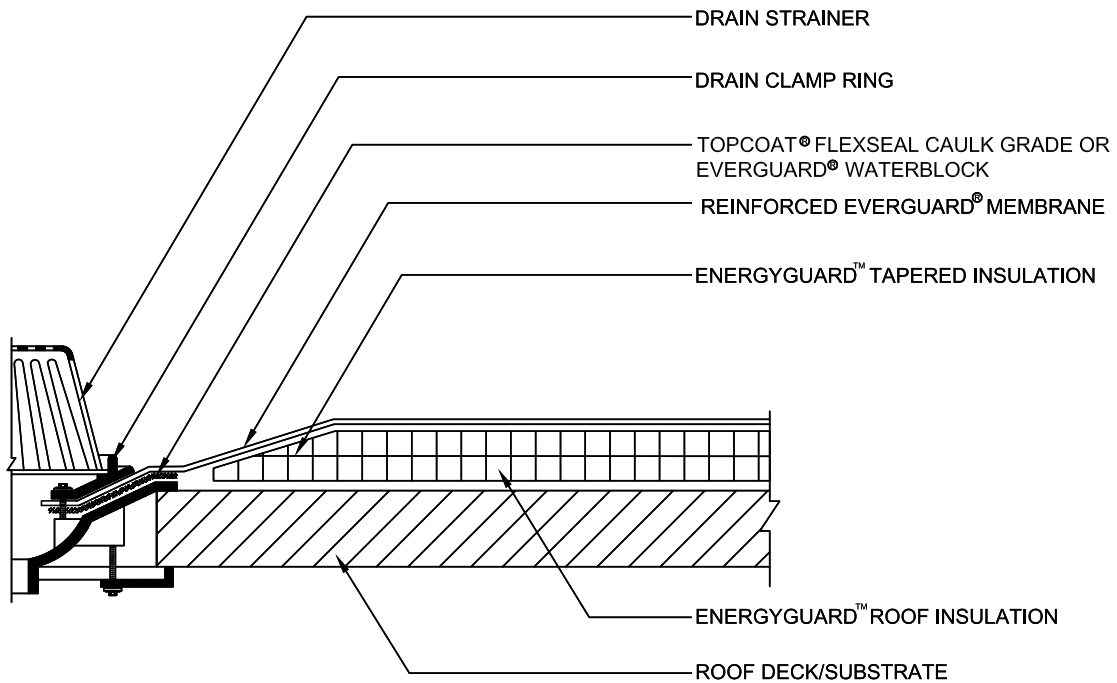
SCALE
N.T.S.

**CONCEALED WOOD EQUIPMENT
SUPPORT DETAIL**

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
6-21-16



NOTE:

1. A FIELD WELD CANNOT PASS WITHIN 9" (227 mm) OF THE CLAMPING, OR WITHIN THE DRAIN SUMP ITSELF.
2. MEMBRANE MUST EXTEND MINIMUM 1" (25.4 mm) BEYOND THE BOLT HOLES. THE CLAMPING RING BOLTS MUST PENETRATE THE MEMBRANE.
3. TAPERED INSULATION TO CREATE A ROOF SUMP MINIMUM 36" (0.914 m) x 36" (0.914 m) IN SIZE. (IF APPLICABLE).
4. USE ONE FULL TUBE OF FLEXSEAL™ CAULK GRADE SEALANT OR EVERGUARD® WATER BLOCK PER DRAIN.
5. ASPHALT OR STONE PAVER MUST STOP AT DRAIN TAPER.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

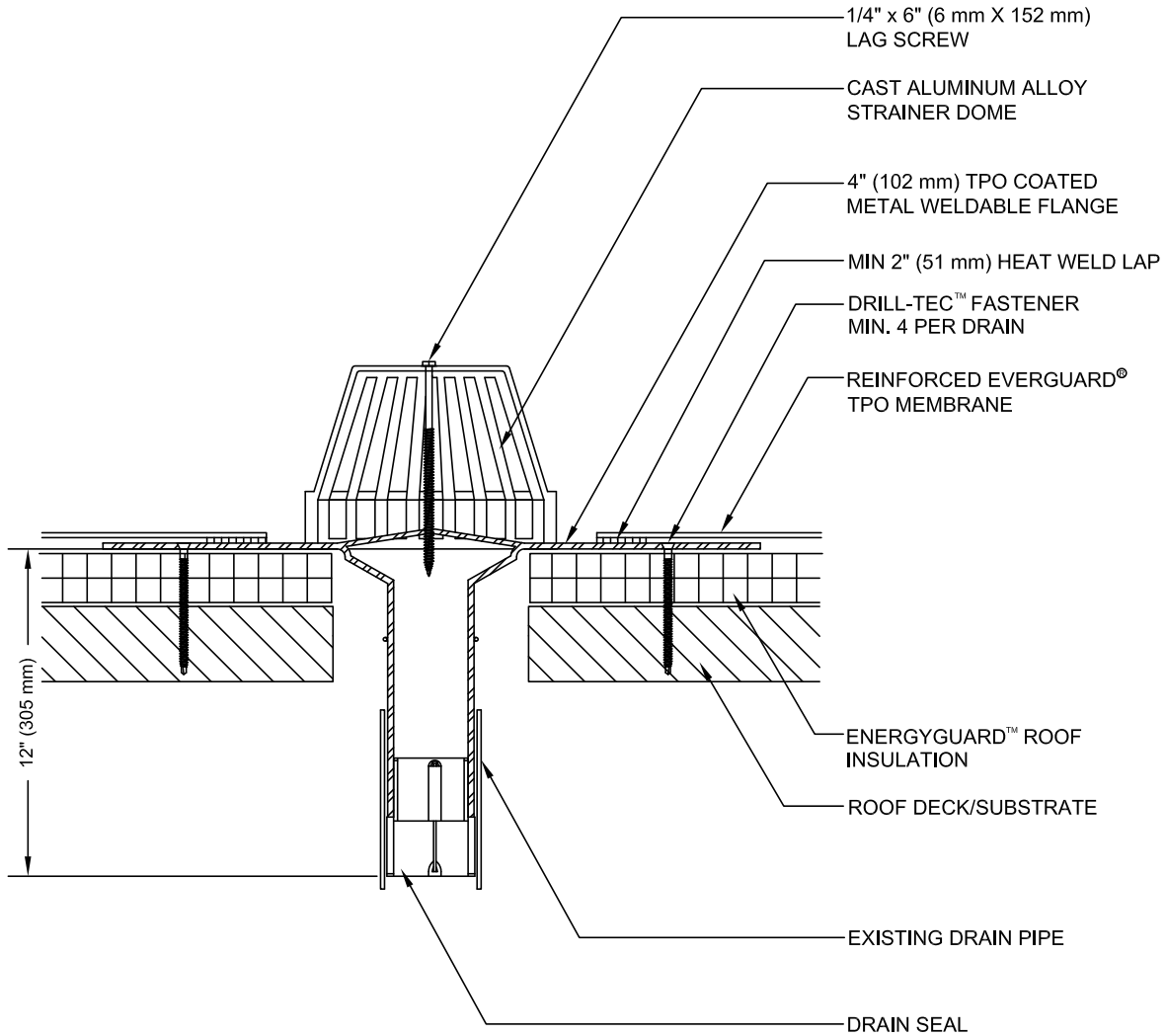
DRAWING #
513

SCALE
N.T.S.

**DRAIN -STANDARD ROOF DRAIN
FLASHING DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
6-21-16



NOTE:

1. EXISTING DRAIN PIPE SHALL BE CLEAN OF ALL DEBRIS THROUGH THE LENGTH OF THE TUBE TO ENSURE PROPER SEAL.
2. EVERGUARD® PRE FABRICATED DRAIN CAN ONLY TO BE USED AS A RETROFIT DRAIN.
3. REFER TO PRODUCT APPLICATION INSTRUCTIONS FOR DRAIN PIPE SECUREMENT.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

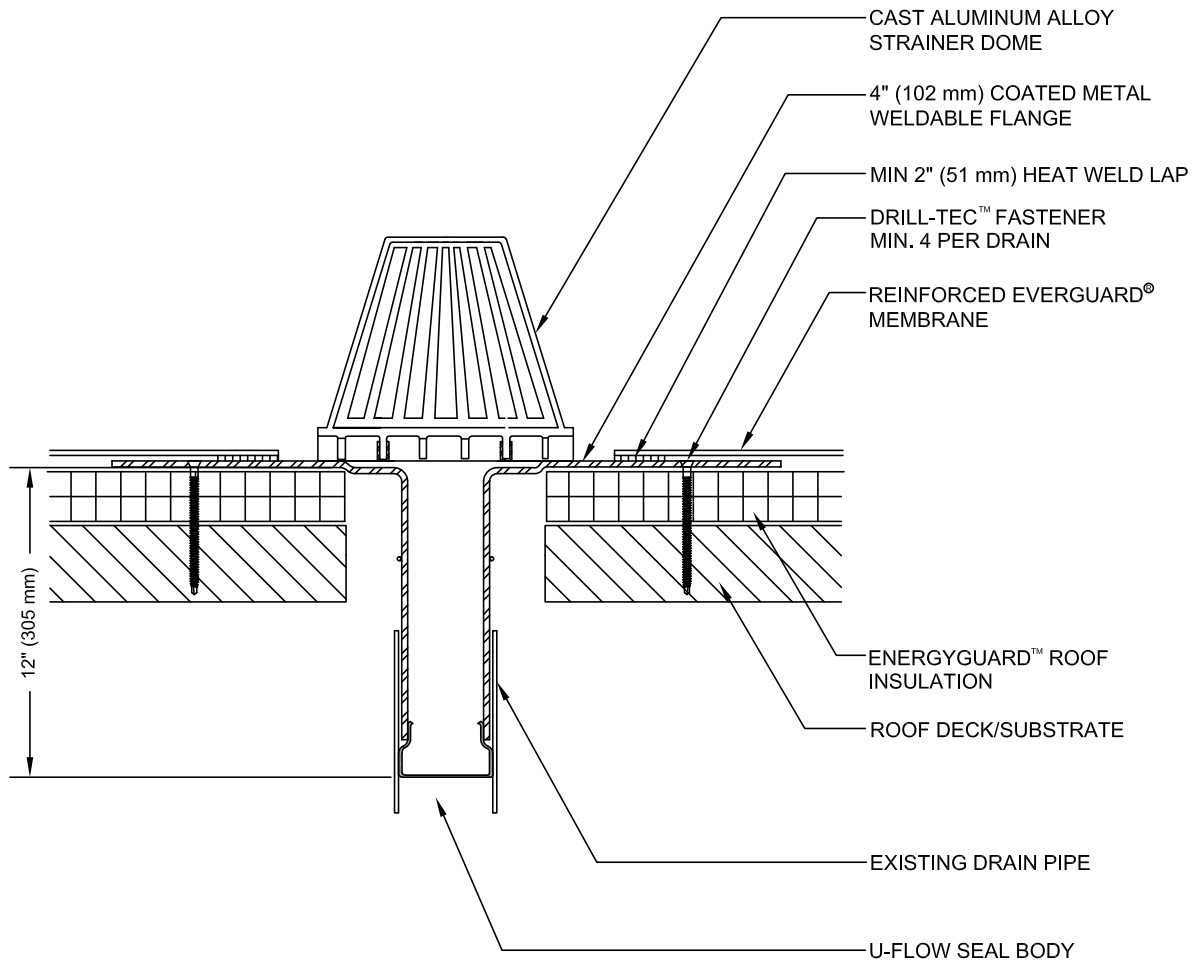
DRAWING #
514

SCALE
N.T.S.

**DRAIN - EVERGUARD TPO
COATED DRAIN DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. EXISTING DRAIN PIPE SHALL BE CLEAN OF ALL DEBRIS THROUGH THE LENGTH OF THE TUBE TO ENSURE PROPER SEAL.
2. HERCULES® RETRODRAIN CAN ONLY TO BE USED AS A RETROFIT DRAIN.
3. REFER TO PRODUCT APPLICATION INSTRUCTIONS FOR DRAIN PIPE SECUREMENT.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

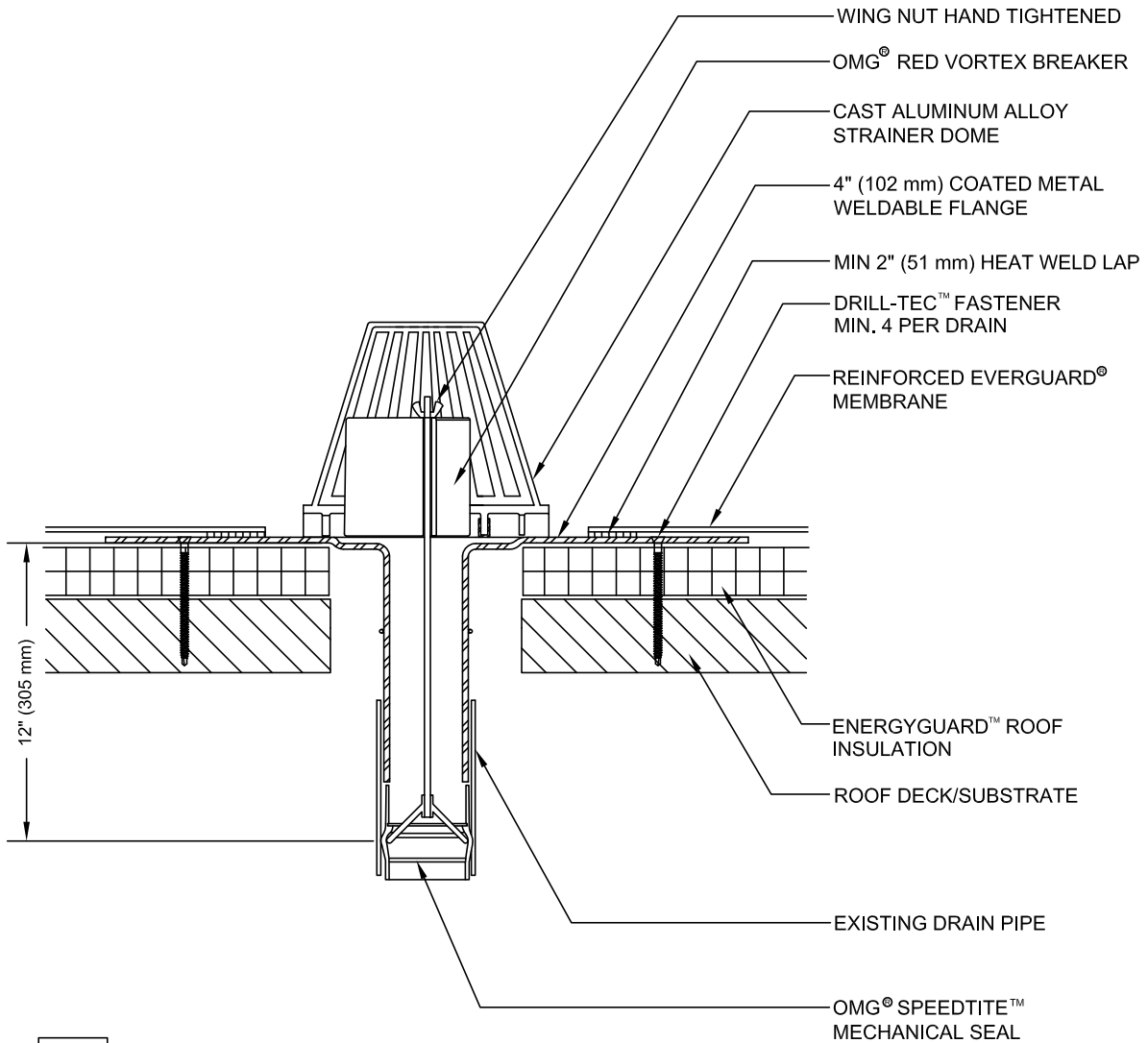
DRAWING #
515

SCALE
N.T.S.

**DRAIN - HERCULES®
COATED METAL DRAIN DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. EXISTING DRAIN PIPE SHALL BE CLEAN OF ALL DEBRIS THE LENGTH OF THE TUBE TO ENSURE PROPER SEAL.
2. OMG® SPEEDTITE™ DRAIN CAN ONLY BE USED AS A RETROFIT DRAIN.
3. REFER TO PRODUCT APPLICATION INSTRUCTION FOR DRAIN PIPE SECUREMENT.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

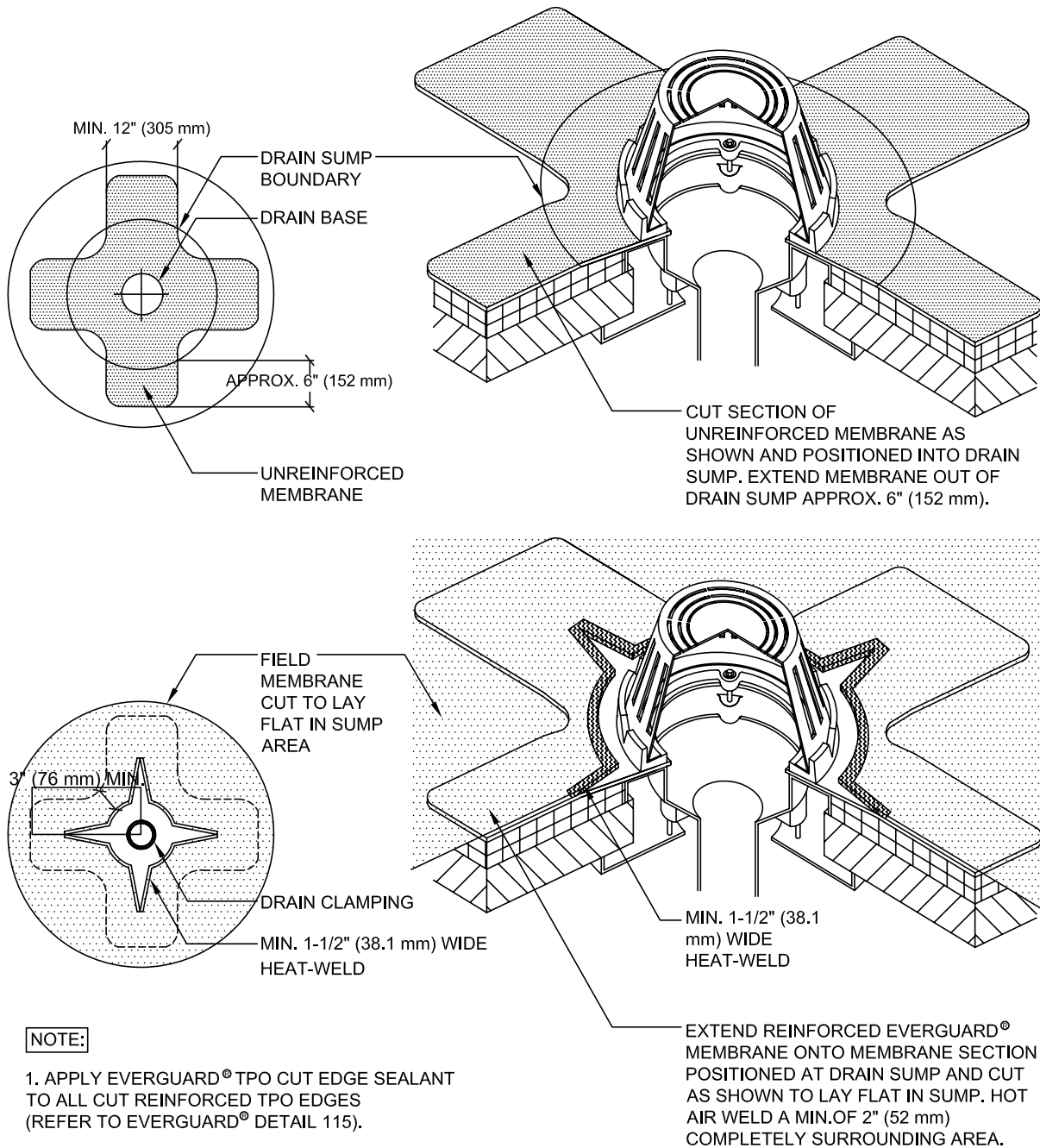
DRAWING #
516

SCALE
N.T.S.

**DRAIN - OMG® SPEEDTITE™
COATED METAL DRAIN DETAIL**

THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
12-12-17



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

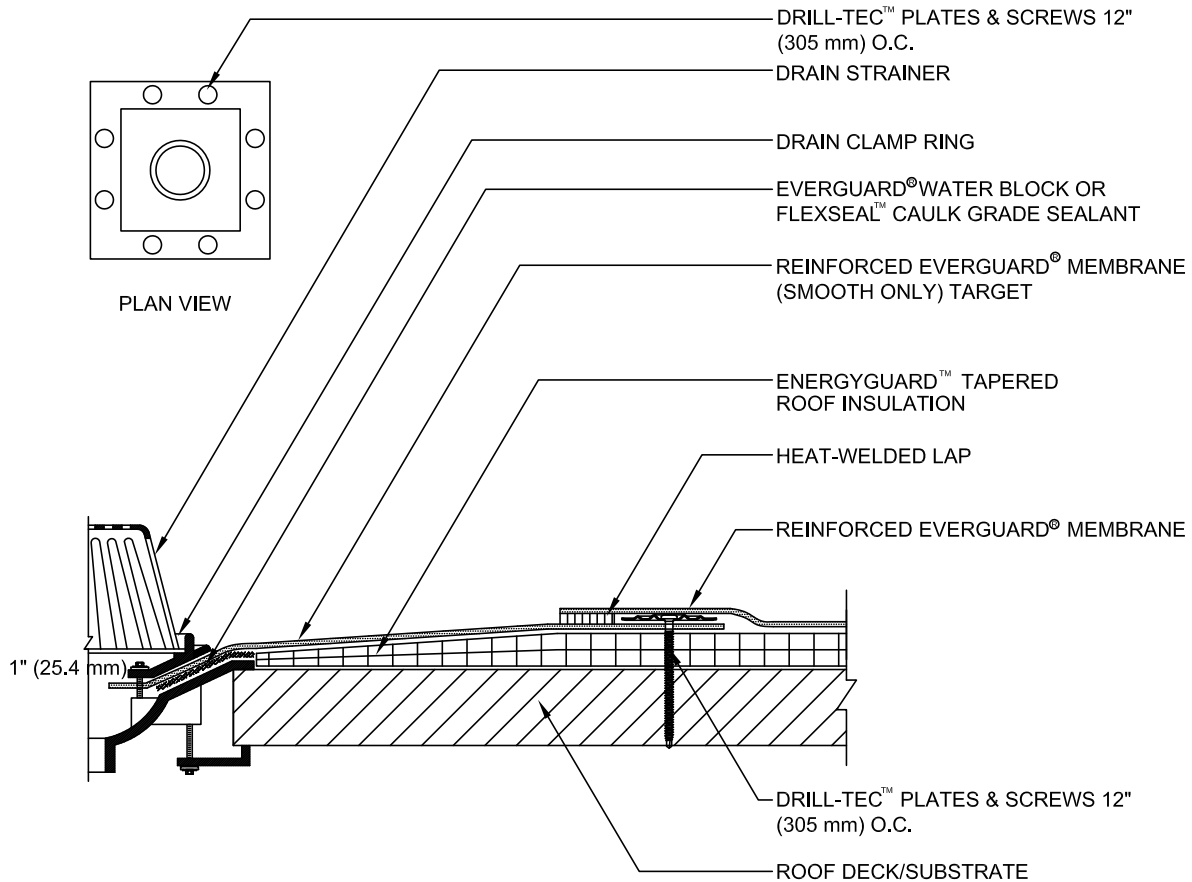
DRAWING #
518

SCALE
N.T.S.

DRAIN- SEVERE SUMP TARGET

THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
Mechanically Attached Systems
TriPosite Systems

REVISION DATE
10-3-17



NOTE:

1. A FIELD WELD CANNOT PASS WITHIN 9" (229 mm) OF THE CLAMPING, OR WITHIN THE DRAIN SUMP ITSELF.
2. MEMBRANE MUST EXTEND MINIMUM 1" (25.4 mm) BEYOND THE BOLT HOLES; THE CLAMPING RING BOLTS MUST PENETRATE THE MEMBRANE.
3. TAPER INSULATION TO CREATE A ROOF SUMP MINIMUM 36" x 36" (0.914 m x 0.914 m) IN SIZE (OPTIONAL).
4. IF ASPHALT OR ASPHALTIC PRODUCT IS PRESENT, STOP AT BEGINNING OF SUMP AND FLASH WITH SMOOTH TPO.
5. DO NOT RUN SEPARATION SHEET INTO BOWL AREA IF USED IN SYSTEM.
6. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #

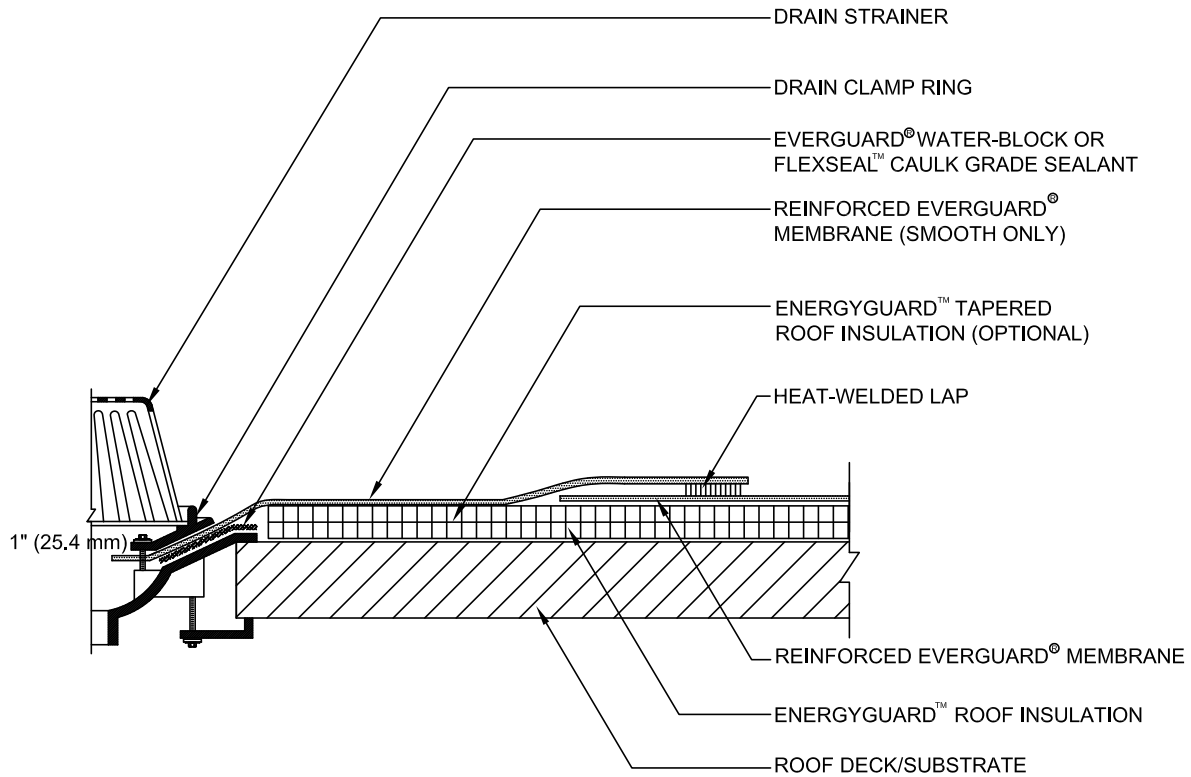
519

SCALE
N.T.S.

DRAIN - PRE TARGET

THIS DETAIL APPLIES TO:
Adhered Systems
Ballasted Systems
Self-Adhered Systems
Heat-Weld Only
Mechanically Attached Systems
TriPosite Systems

REVISION DATE
6-22-16



NOTE:

1. A FIELD WELD CANNOT PASS WITHIN 9" (229 mm) OF THE CLAMPING, OR WITHIN THE DRAIN SUMP ITSELF.
2. MEMBRANE MUST EXTEND MINIMUM 1" (25.4 mm) BEYOND THE BOLT HOLES; THE CLAMPING RING BOLTS MUST PENETRATE THE MEMBRANE.
3. TAPER INSULATION TO CREATE A ROOF SUMP MINIMUM 36" x 36" (0.914 m x 0.914 m) IN SIZE (OPTIONAL).
4. DO NOT RUN SEPARATION SHEET INTO BOWL AREA IF USED IN SYSTEM.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #
520

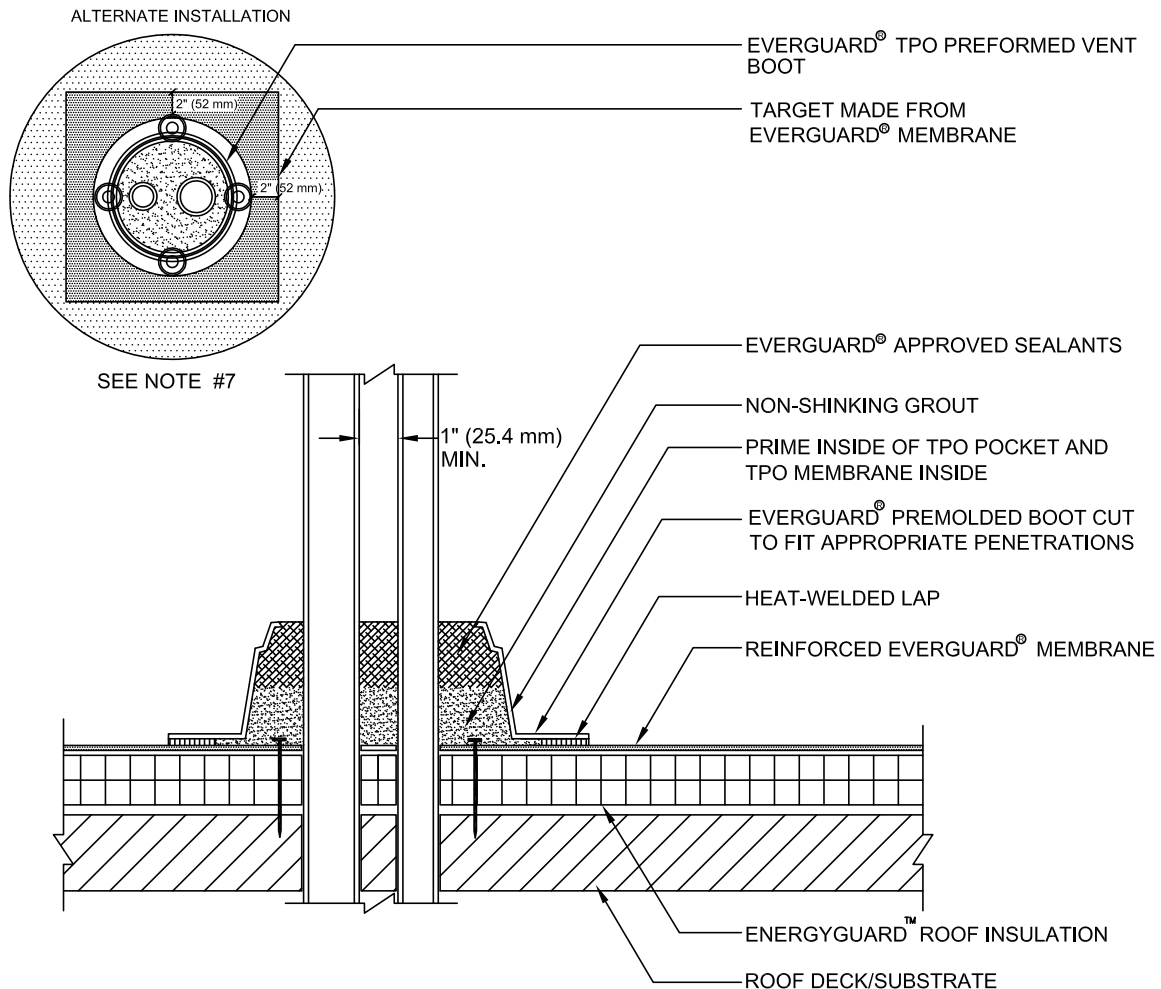
SCALE
N.T.S.

DRAIN - POST TARGET

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
6-22-16



NOTE:

1. EXISTING PROJECTION MUST BE CLEANED AND FREE OF INSULATING MATERIALS .
2. DO NOT USE OVER EXISTING PENETRATION POCKETS.
3. DO NOT USE WHEN SERVICE LINE TEMP. EXCEEDS 140°F (60°C).
4. IF THE PLATES AND FASTENERS INTRUDE INTO BOOT FLANGE AREA, THEN A TARGET MUST FIRST BE INSTALLED OVER PLATES AND FASTENERS BEFORE BOOT INSTALLATION.
5. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.
6. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #
522

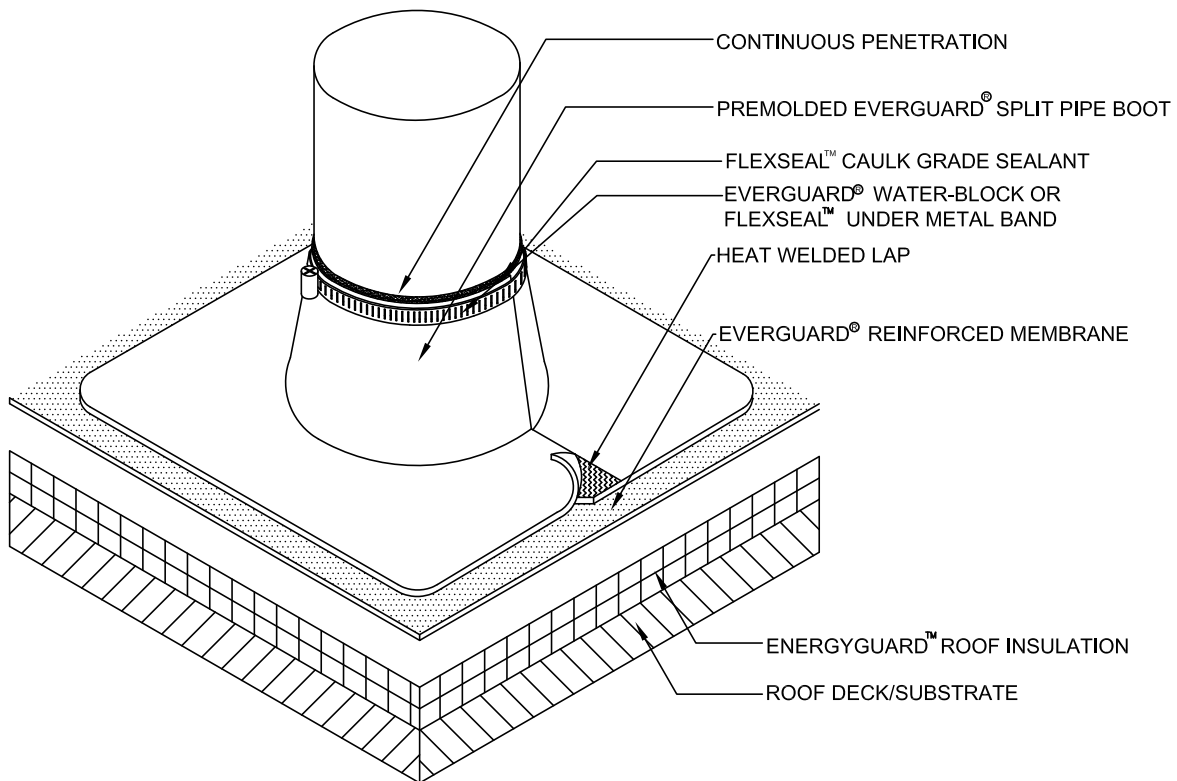
SCALE
N.T.S.

**PREFORMED PENETRATION
FLASHING DETAIL**

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
6-22-16



NOTE:

1. FOUR DRILL-TEC™ PLATES & SCREWS AROUND PENETRATION.
2. IF PLATES AND FASTENERS ENCROACH INTO THE SEAM AREA OF THE POCKET, THEN A TARGET MUST BE ADDED FIRST TO COVER FASTENERS.
3. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #

524

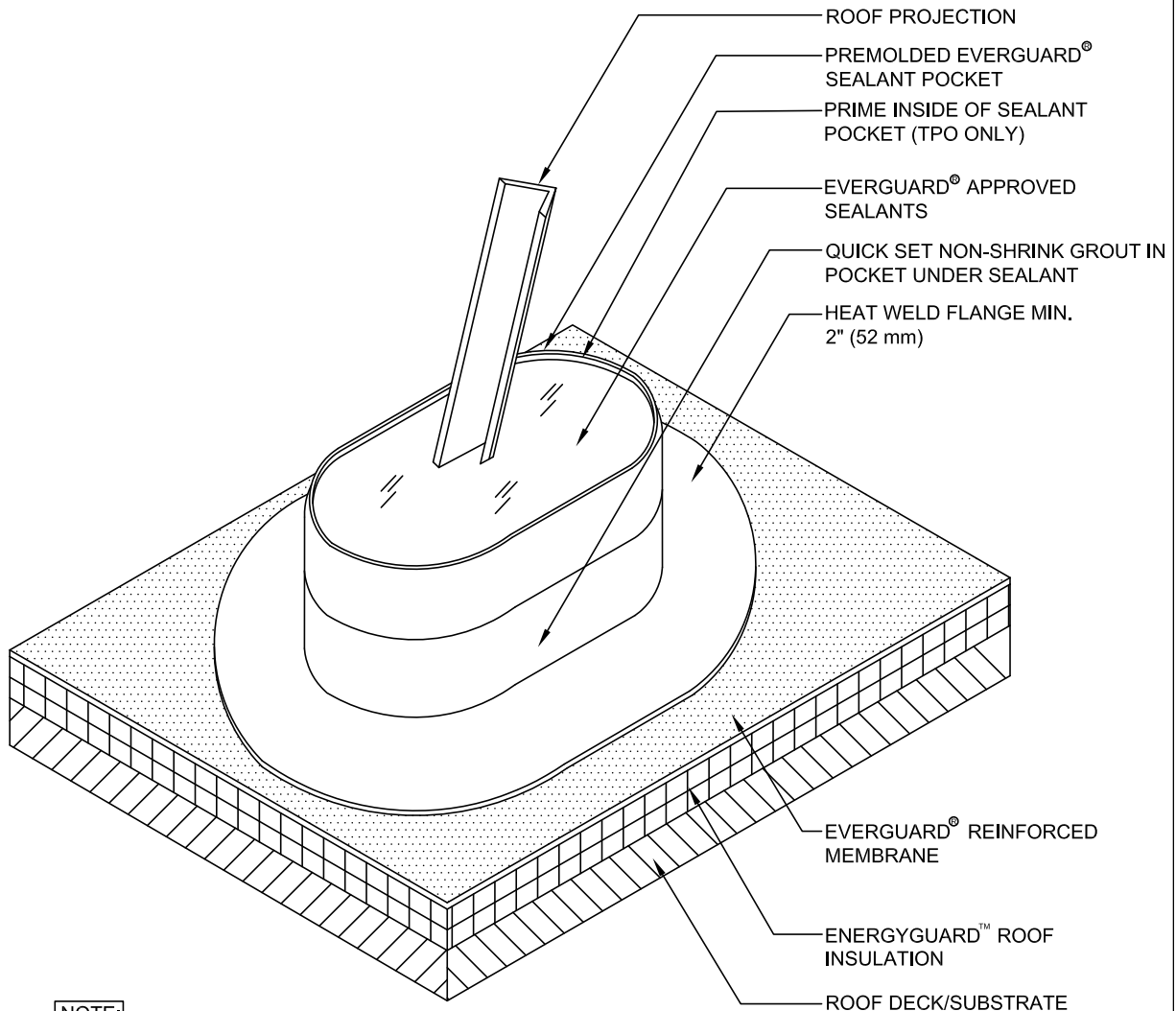
SCALE
N.T.S.

SPLIT PIPE BOOT DETAIL

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. ALLOW 2" (52 mm) CLEARANCE AROUND THE PROJECTION. IF MULTIPLE PROJECTIONS, ALLOW 1" (25.4 mm) BETWEEN PROJECTION AND POCKET.
2. THE EXISTING PROJECTION MUST BE CLEAN OF ALL DEBRIS BEFORE INSTALLATION.
3. FOUR DRILL-TEC™ PLATES & SCREWS INSERTED AROUND PENETRATION.
4. EVERGUARD® POURABLE SEALER POCKET MUST BE PRIMED WITH EVERGUARD® TPO PRIMER. (TPO ONLY)
5. IF SEALANT POCKET MUST BE CUT, STRIP IN CUT WITH UNREINFORCED TPO OR PVC STRIP MIN 4" (102 mm) WIDE AND RUN OUT ONTO DECK SHEET MINIMUM 2" (52 mm).
6. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES. (TPO ONLY)
7. IF PLATES AND FASTENERS ENCROACH INTO THE SEAM AREA OF THE POCKET, THEN A TARGET MUST BE ADDED FIRST TO COVER FASTENERS.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #

525A

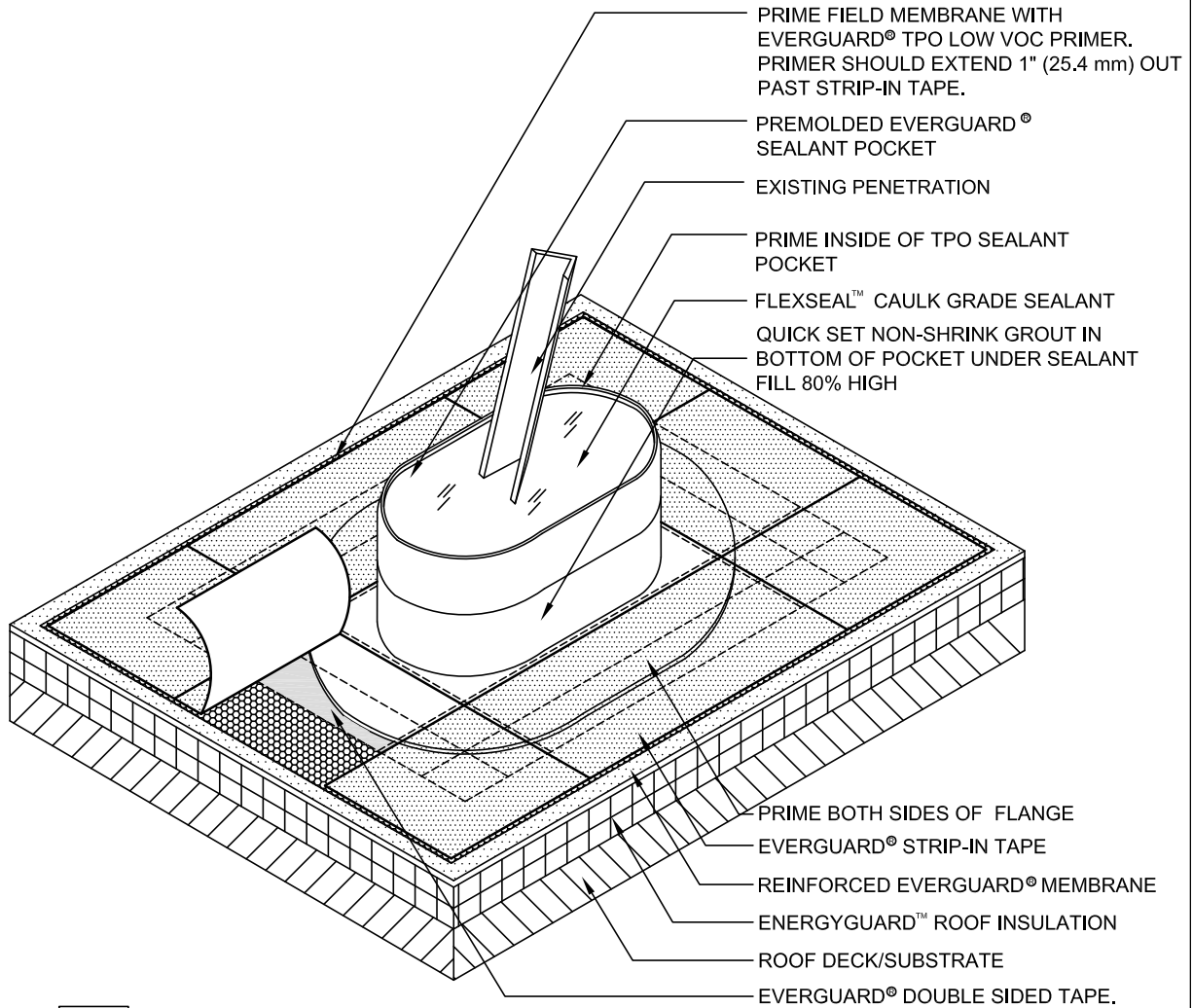
SCALE
N.T.S.

POURABLE SEALANT POCKET DETAIL

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. ALLOW 2" (52 mm) CLEARANCE AROUND THE PROJECTION. IF MULTIPLE PROJECTIONS, ALLOW 1" (25.4 mm) BETWEEN PROJECTION AND BOX.
2. THE EXISTING PROJECTION MUST BE CLEAN OF ALL DEBRIS BEFORE INSTALLATION.
3. EVERGUARD® POURABLE SEALANT POCKET MUST BE PRIMED WITH EVERGUARD® TPO PRIMER.
4. APPLY FLEXSEAL™ CAULK GRADE SEALANT TO ALL EVERGUARD® STRIP-IN TAPE EDGES.
5. MEMBRANE MUST BE PRIMED AND DRY PRIOR TO APPLYING EVERGUARD® DOUBLE SIDED TAPE.
6. IF PENETRATION POCKET IS TO BE CUT CLEAN, PRIME AND ADD EVERGUARD® DOUBLE SIDED TAPE THEN STRIP-IN WITH EVERGUARD® STRIP-IN TAPE.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #

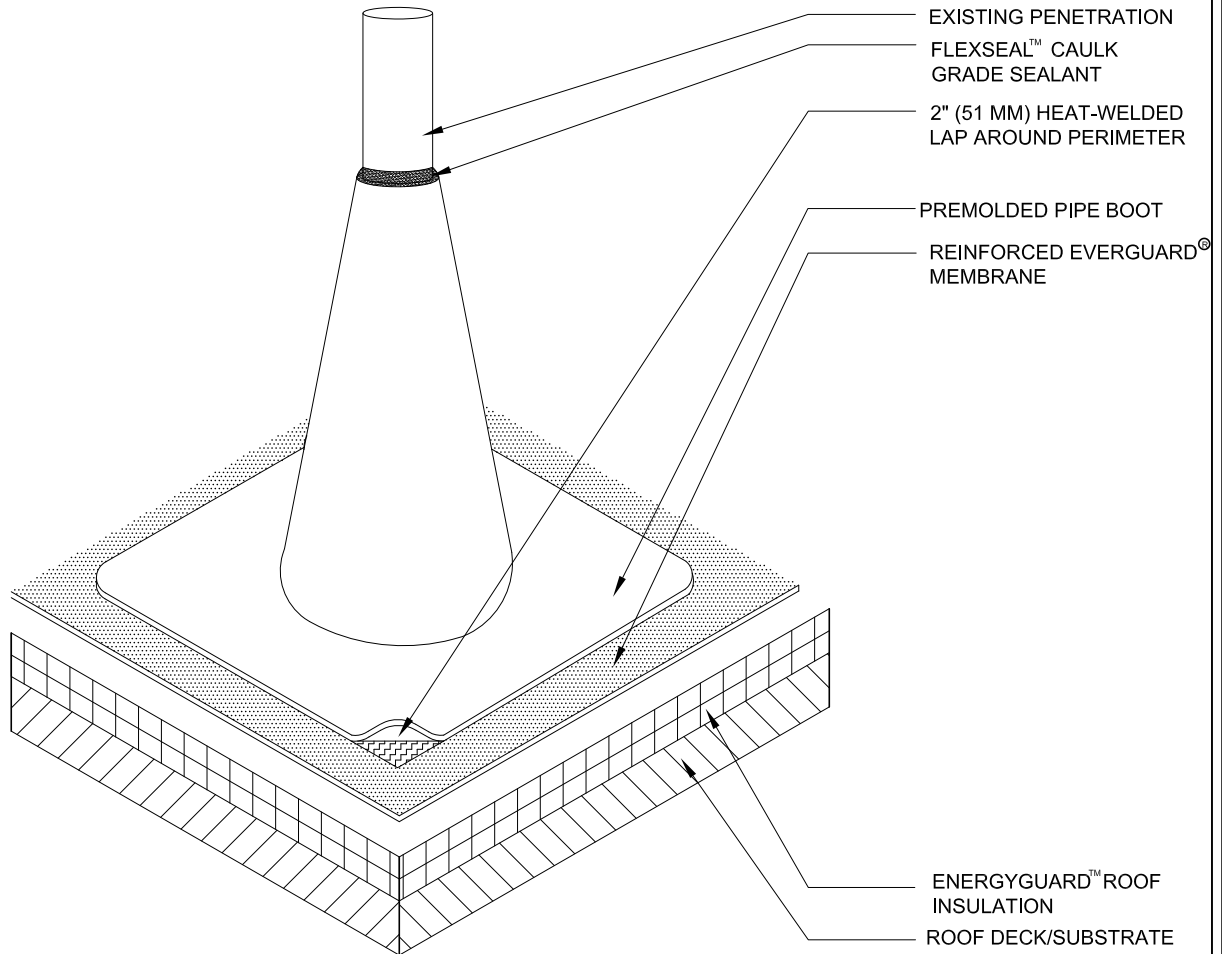
525B

SCALE
N.T.S.

POURABLE SEALER POCKET DETAIL

THIS DETAIL APPLIES TO:
RapidSeam™
Systems

REVISION DATE
10-3-17



NOTE:

1. FOUR DRILL-TEC™ PLATES & SCREWS AROUND PENETRATION.
2. IF PLATES AND FASTENERS ENCROACH INTO THE SEAM AREA OF THE POCKET, THEN A TARGET MUST BE ADDED FIRST TO COVER FASTENERS.
3. THIS PRODUCT IS AVAILABLE IN CUSTOM SIZES, VISIT GAF.COM FOR MORE INFORMATION.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

NON-SPLIT CONICAL PIPE BOOT

PVC ONLY

DRAWING #

526A

SYSTEM

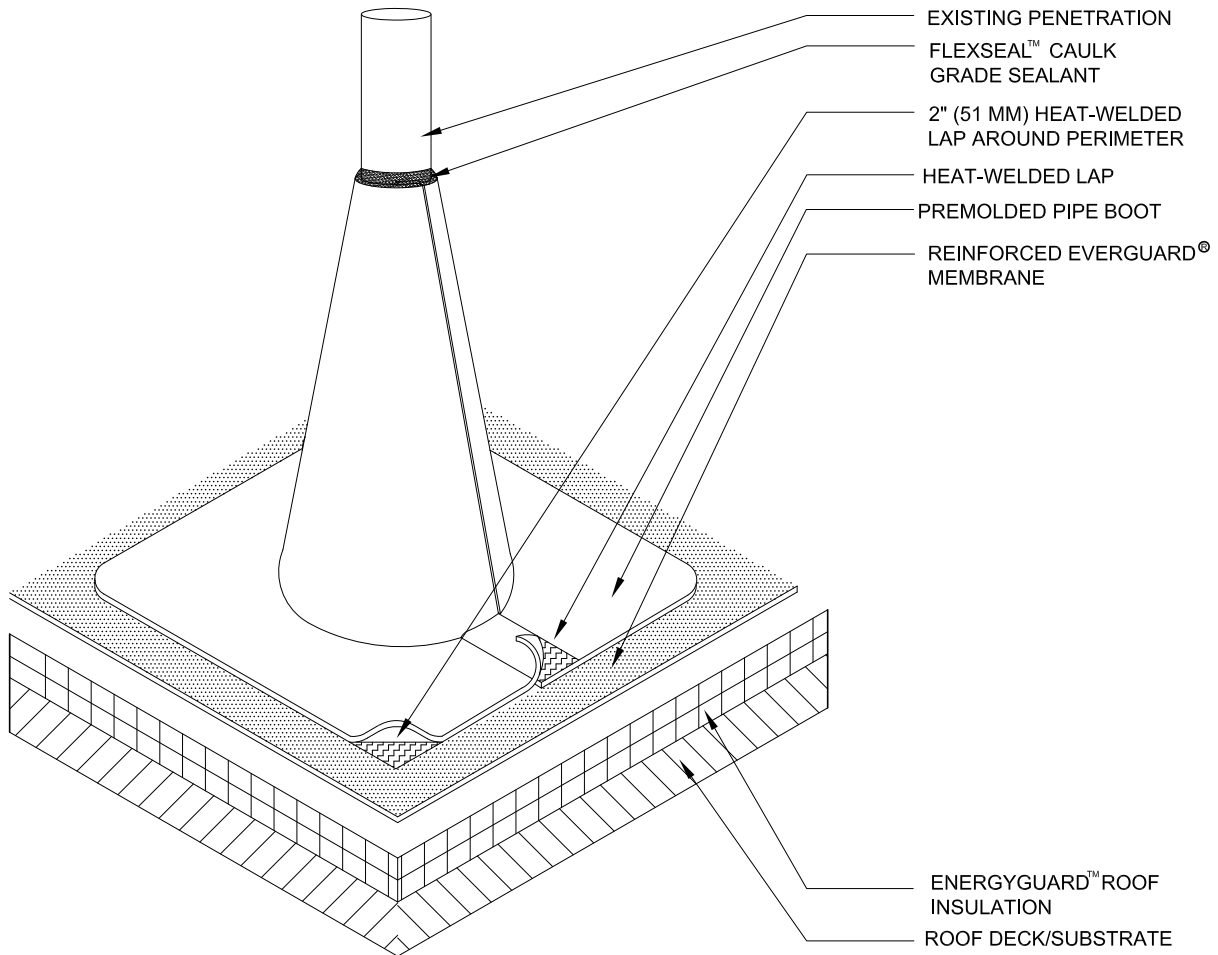
ALL SYSTEMS

SCALE

N.T.S.

ISSUE/ REVISION DATE

10-3-17



NOTE:

1. FOUR DRILL-TEC™ PLATES & SCREWS AROUND PENETRATION.
2. IF PLATES AND FASTENERS ENCR OACH INTO THE SEAM AREA OF THE POCKET, THEN A TARGET MUST BE ADDED FIRST TO COVER FASTENERS.
3. THIS PRODUCT IS AVAILABLE IN CUSTOM SIZES, VISIT GAF.COM FOR MORE INFORMATION.



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

SPLIT CONICAL PIPE BOOT

PVC ONLY

DRAWING #

526B

SYSTEM

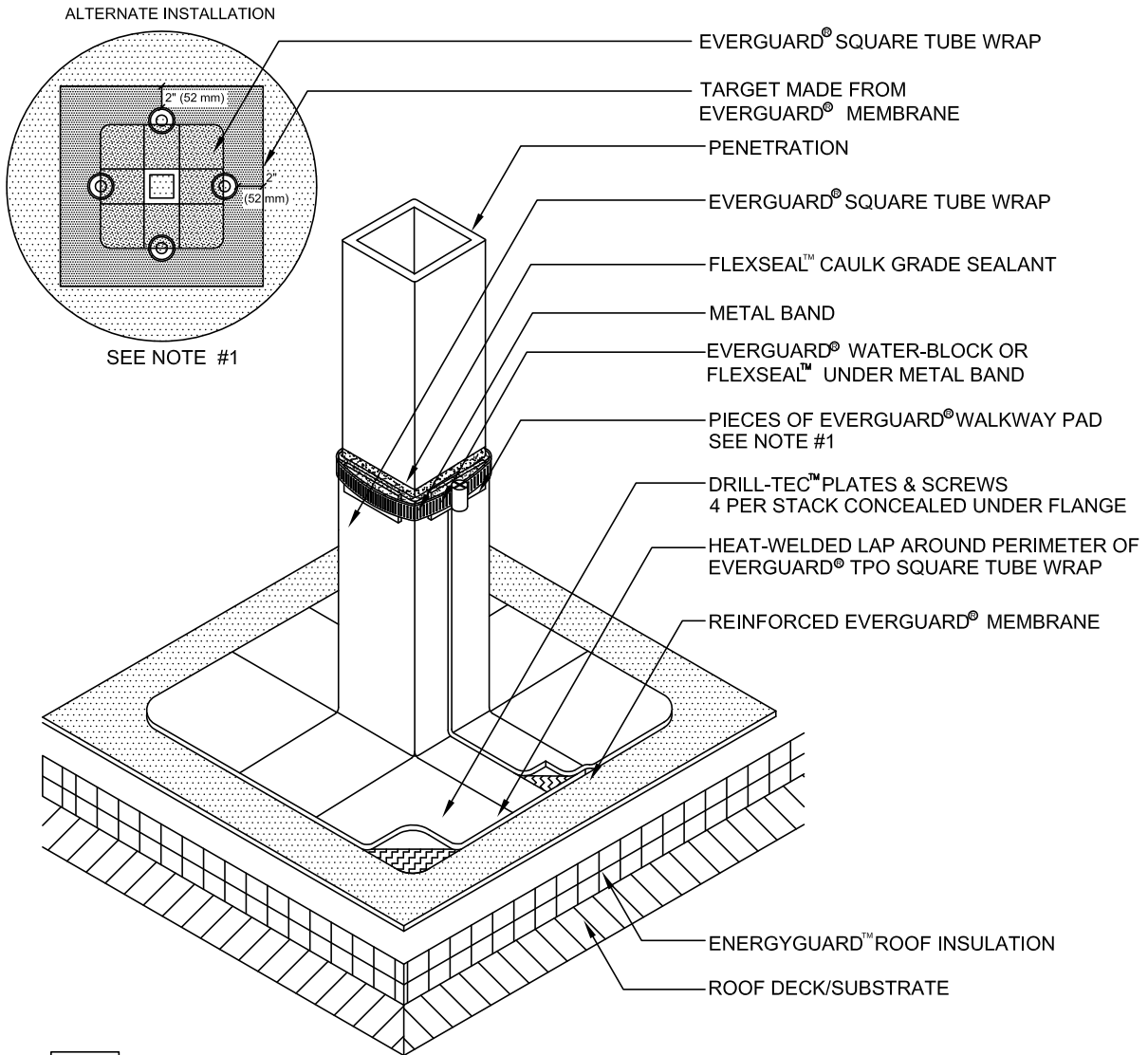
ALL SYSTEMS

SCALE

N.T.S.

ISSUE/ REVISION DATE

10-3-17



NOTE:

1. IF A TIGHTER FIT IS REQUIRED AT THE TOP OF THE WRAP, INSERT SLIVERS OF WALKWAY PAD BETWEEN THE BAND AND THE MEMBRANE ON ALL FOUR SIDES.
2. IF PLATES AND FASTENERS ENCROACH INTO THE SEAM AREA OF THE POCKET, THEN A TARGET MUST BE ADDED FIRST TO COVER FASTENERS.
3. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #

527

SCALE
N.T.S.

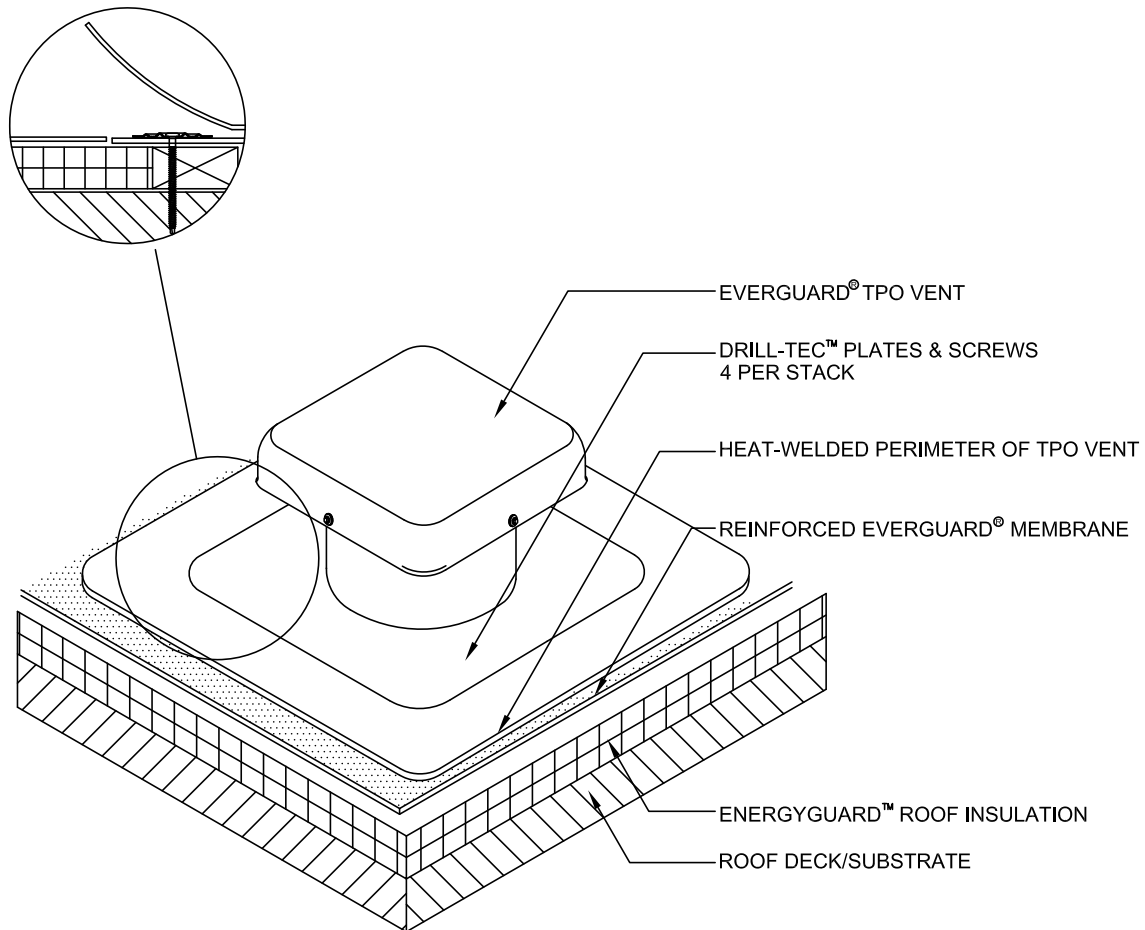
SQUARE TUBE WRAP DETAIL

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
12-12-17

VENT NOT TO BE USED TO VENT MOISTURE FROM ROOF.



NOTE:

1. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #

528

SCALE
N.T.S.

TPO VENT DETAIL

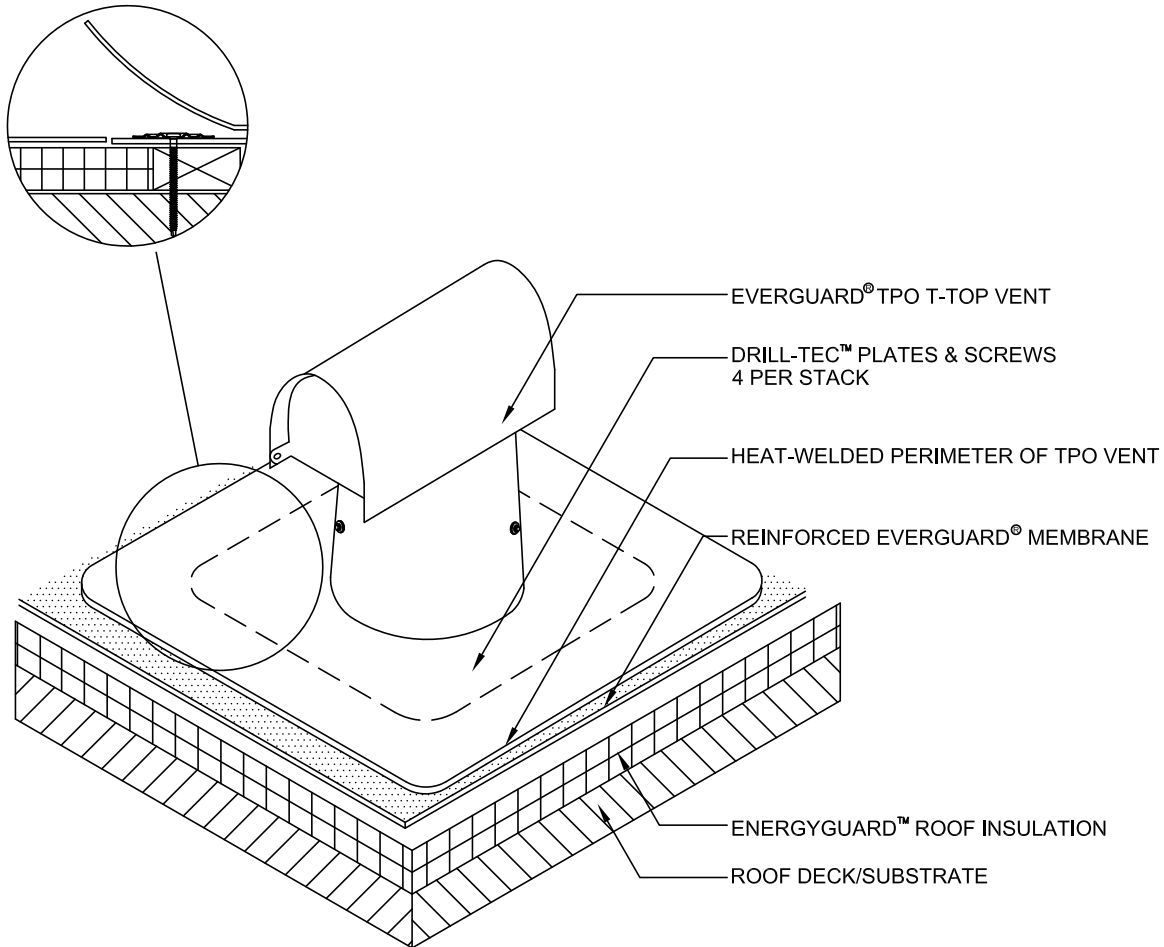
TPO ONLY

THIS DETAIL APPLIES TO:

**ALL
SYSEMS**

REVISION DATE
10-3-17

VENT NOT TO BE USED TO VENT MOISTURE FROM ROOF.



NOTE:

1. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
FIELD OF ROOF
SERIES

DRAWING #

530

SCALE
N.T.S.

TPO T-TOP VENT DETAIL

THIS DETAIL APPLIES TO:

**ALL
SYSTEMS**

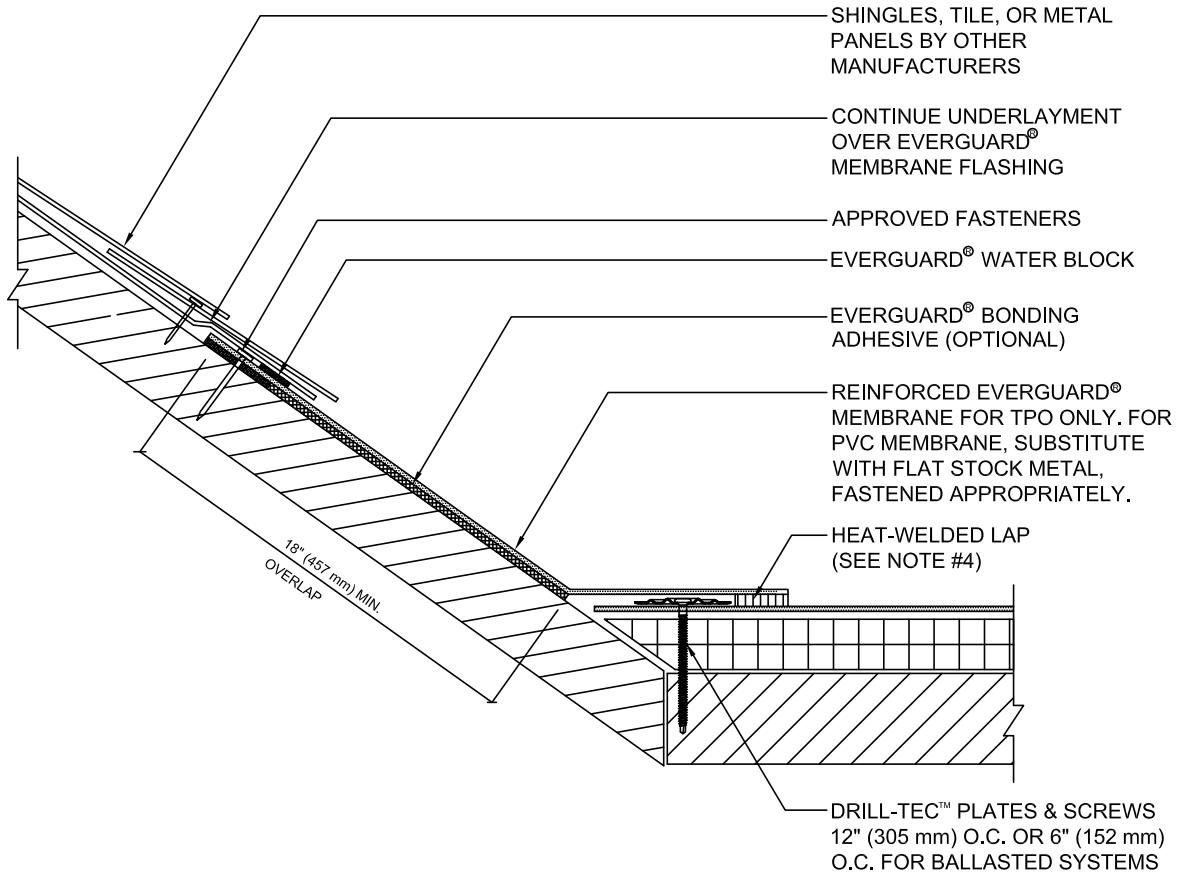
REVISION DATE
10-3-17

600 Series Special Construction Details



Quick access to installation videos and detail drawings for EverGuard® single-ply systems.

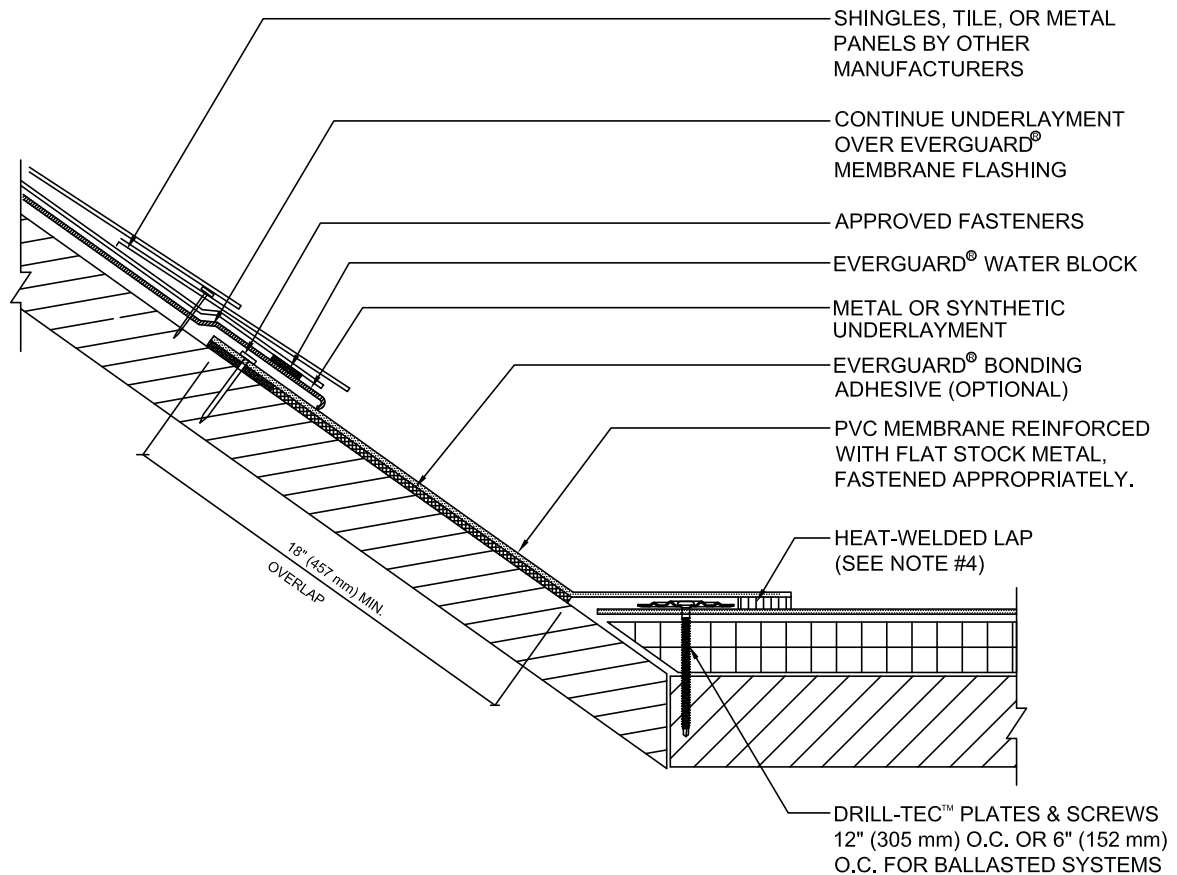
Visit http://www.gaf.com/roofing/commercial/smart_details for further information.



NOTE:

1. MINIMUM SLOPE IS 2:12.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
3. ADD BALLAST PER SPECIFICATION FOR BALLASTED SYSTEMS.
4. FOR SELF-ADHERED SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).

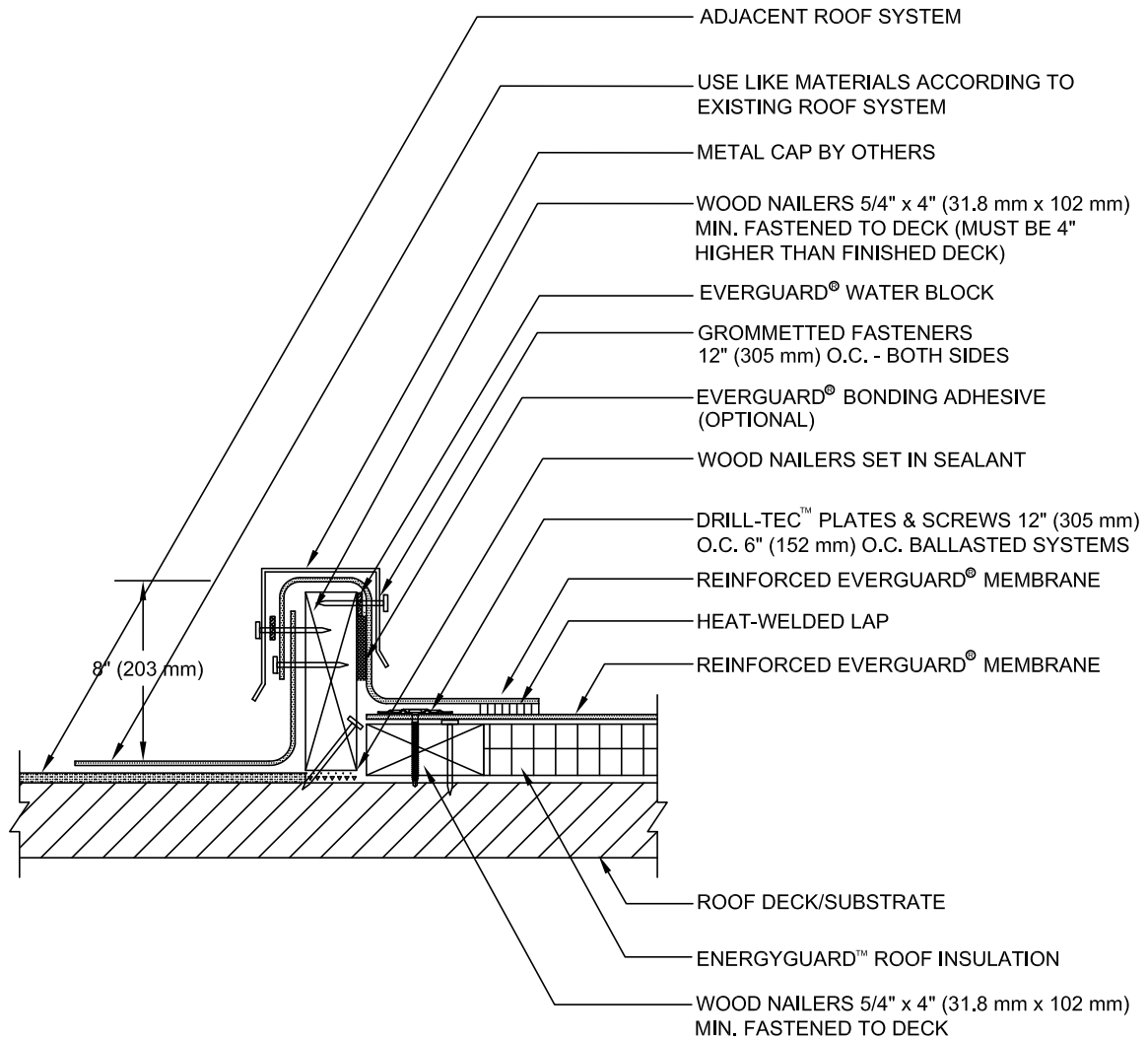
 www.gaf.com 1 Campus Drive, Parsippany, NJ 07054	 SPECIAL CONSTRUCTION SERIES	DRAWING #	601A	STEEP SLOPE TIE-IN DETAIL	THIS DETAIL APPLIES TO: ALL SYSTEMS
		SCALE			
		N.T.S.		TPO ONLY	REVISION DATE 12-14-16



NOTE:

1. MINIMUM SLOPE IS 2:12.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
3. ADD BALLAST PER SPECIFICATION FOR BALLASTED SYSTEMS.
4. FOR SELF-ADHERED SYSTEMS, SEE EVERGUARD® DETAIL 330 FOR LAP APPLICATION.

 <p>www.gaf.com 1 Campus Drive, Parsippany, NJ 07054</p>	 <p>SPECIAL CONSTRUCTION SERIES</p>	<p>DRAWING #</p> <p>601B</p> <p>SCALE</p> <p>N.T.S.</p>	<p>PVC STEEP SLOPE TIE-IN DETAIL</p> <p>PVC ONLY</p>	<p>THIS DETAIL APPLIES TO:</p> <p>ALL SYSTEMS</p> <p>REVISION DATE</p> <p>9-1-16</p>
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NOTE:

1. GAF DOES NOT GUARANTEE THE WATERTIGHT INTEGRITY OF TIE-INS TO OTHER MEMBRANE ROOF SYSTEMS.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
3. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #

602

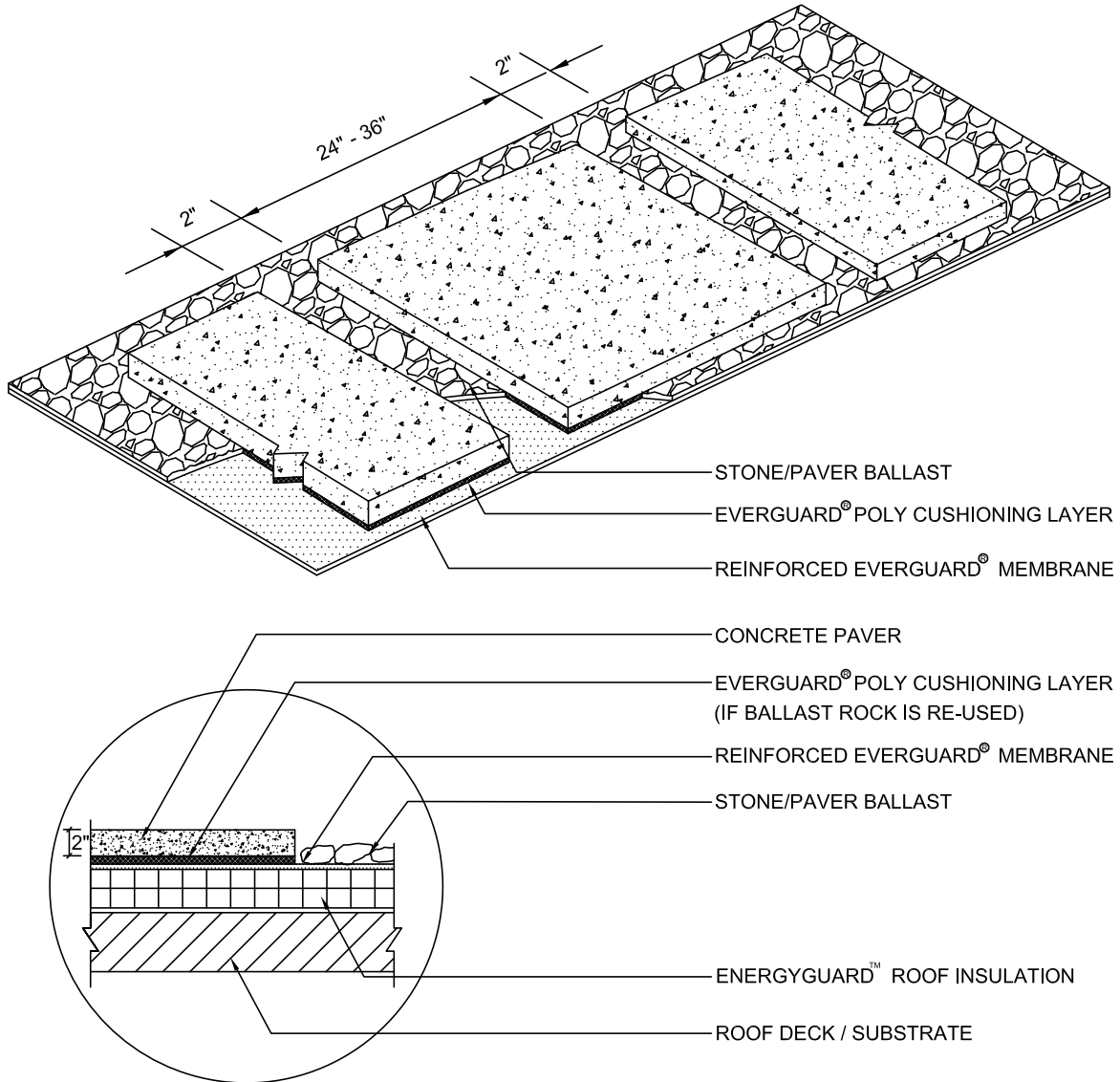
SCALE
N.T.S.

CURB TYPE TIE-IN AT FLAT ROOF

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
12-12-17



NOTE:

1. REMEMBER: DO NOT CROSS SEAMS WITH CONCRETE PAVER OR EVERGUARD® POLY CUSHIONING SHEET.
2. GUARANTEE INSPECTION TO BE MADE BEFORE BALLAST IS BROADCAST AROUND ROOF.



EverGuard
SPECIAL CONSTRUCTION
SERIES

DRAWING #

603

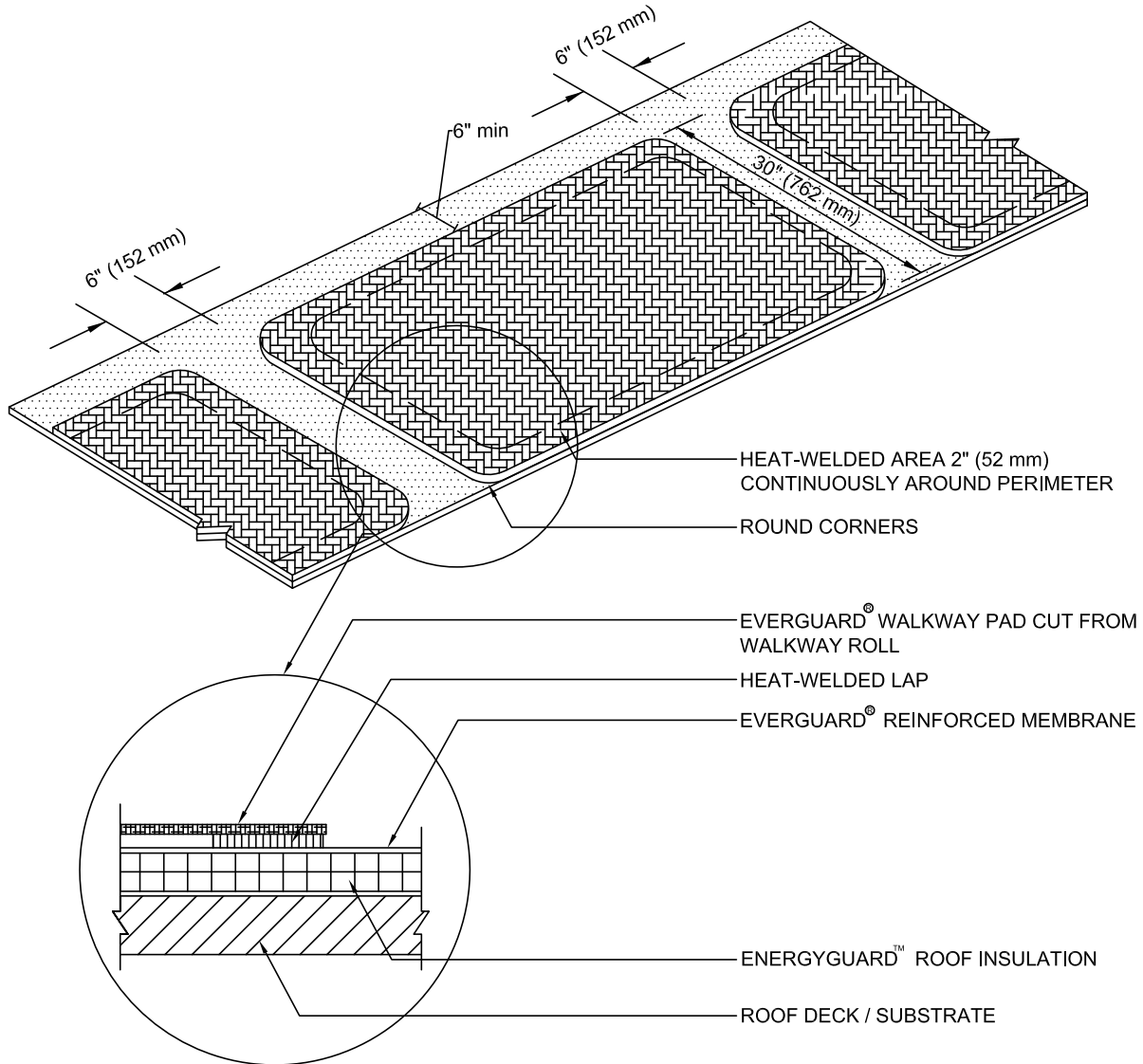
SCALE
N.T.S.

**PAVER WALKWAY INSTALLATION
DETAIL**

THIS DETAIL APPLIES TO:

Ballasted Systems

REVISION DATE
12-12-17



NOTE:

1. REMEMBER, DO NOT CROSS SEAMS WITH WALKWAY PADS 6" (152 mm) OFF EACH SEAM.
2. HEAT-WELD EDGE OF WALKWAY PADS CONTINUOUSLY.
3. REQUIRED AT ALL ROOF ACCESS POINTS.



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Parsippany, NJ 07054

EverGuard
SPECIAL CONSTRUCTION
SERIES

DRAWING #

604

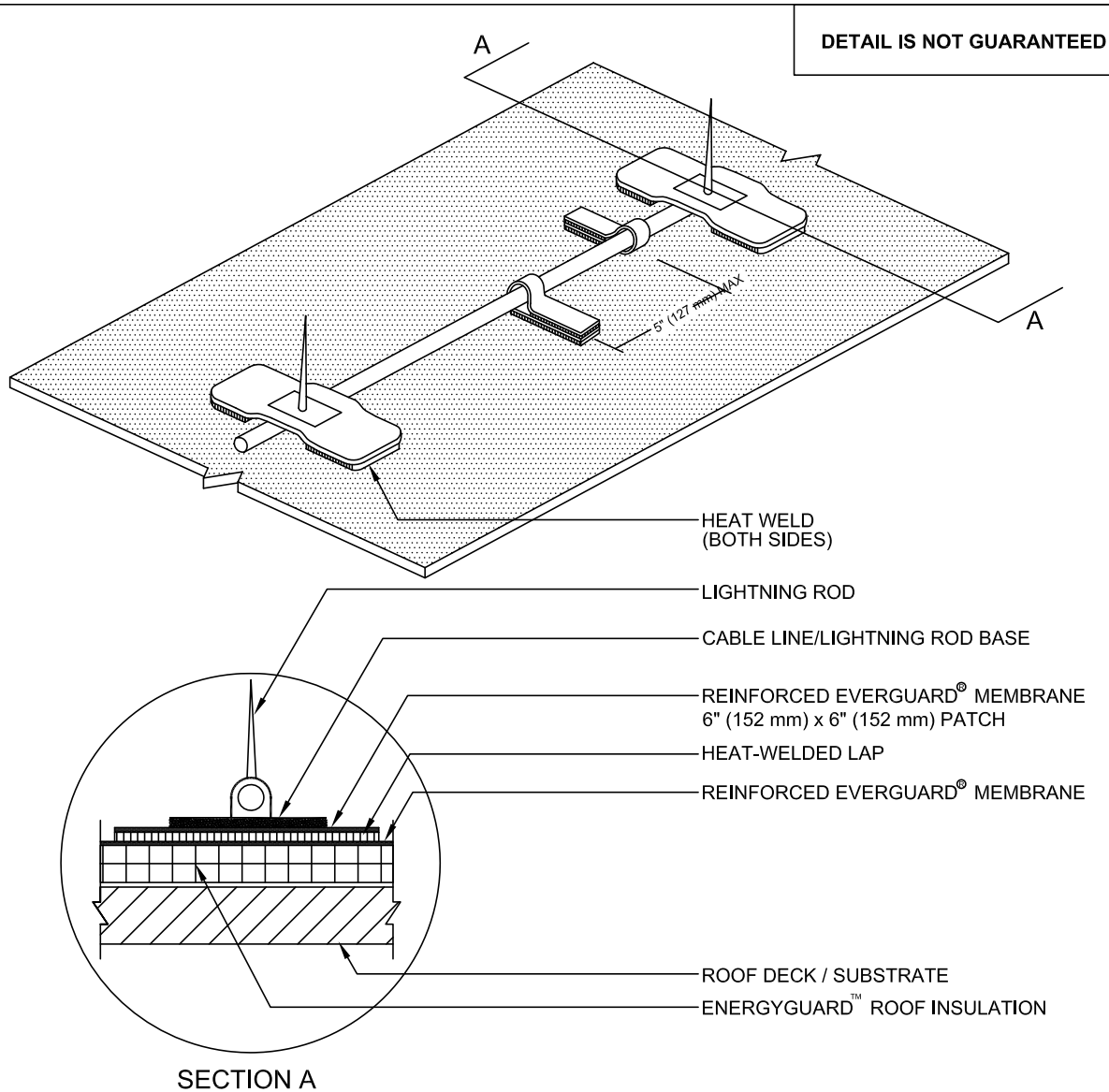
SCALE
N.T.S.

HEAT WELDED WALKWAY INSTALLATION

THIS DETAIL APPLIES TO:

**ALL
SYSTEMS**

REVISION DATE
12-15-17



NOTE:

1. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES
(REFER TO EVERGUARD® DETAIL 115).



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #
605

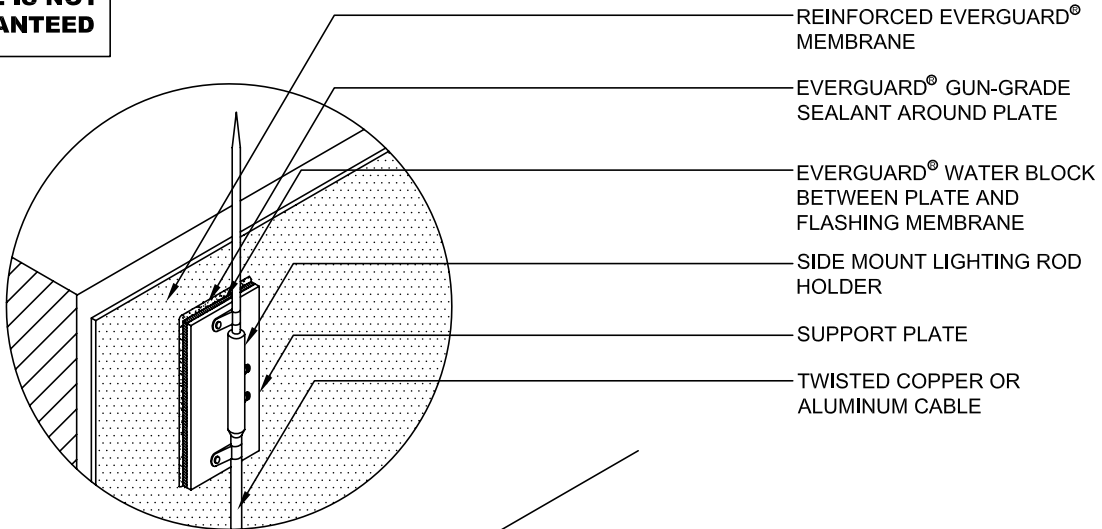
SCALE
N.T.S.

**LIGHTNING PROTECTION TERMINAL -
ROOF MOUNT DETAIL**

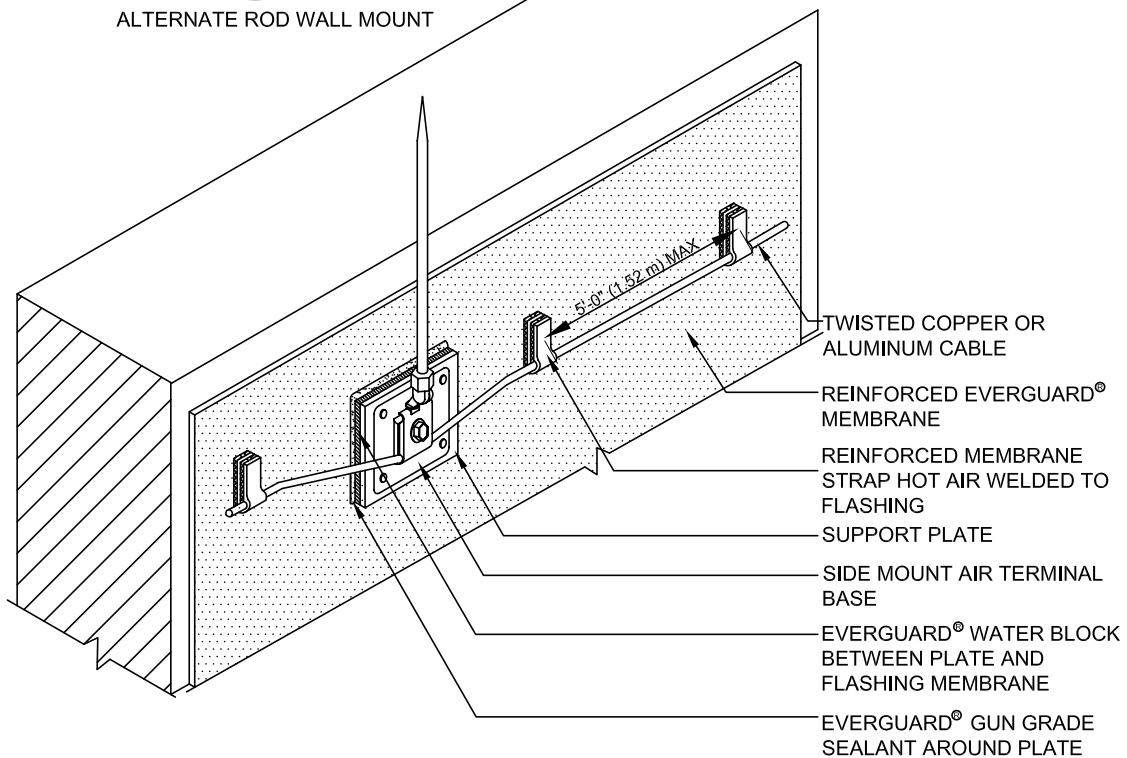
THIS DETAIL APPLIES TO:
ALL SYSTEMS

REVISION DATE
8-28-17

**DETAIL IS NOT
GUARANTEED**



ALTERNATE ROD WALL MOUNT



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #
607

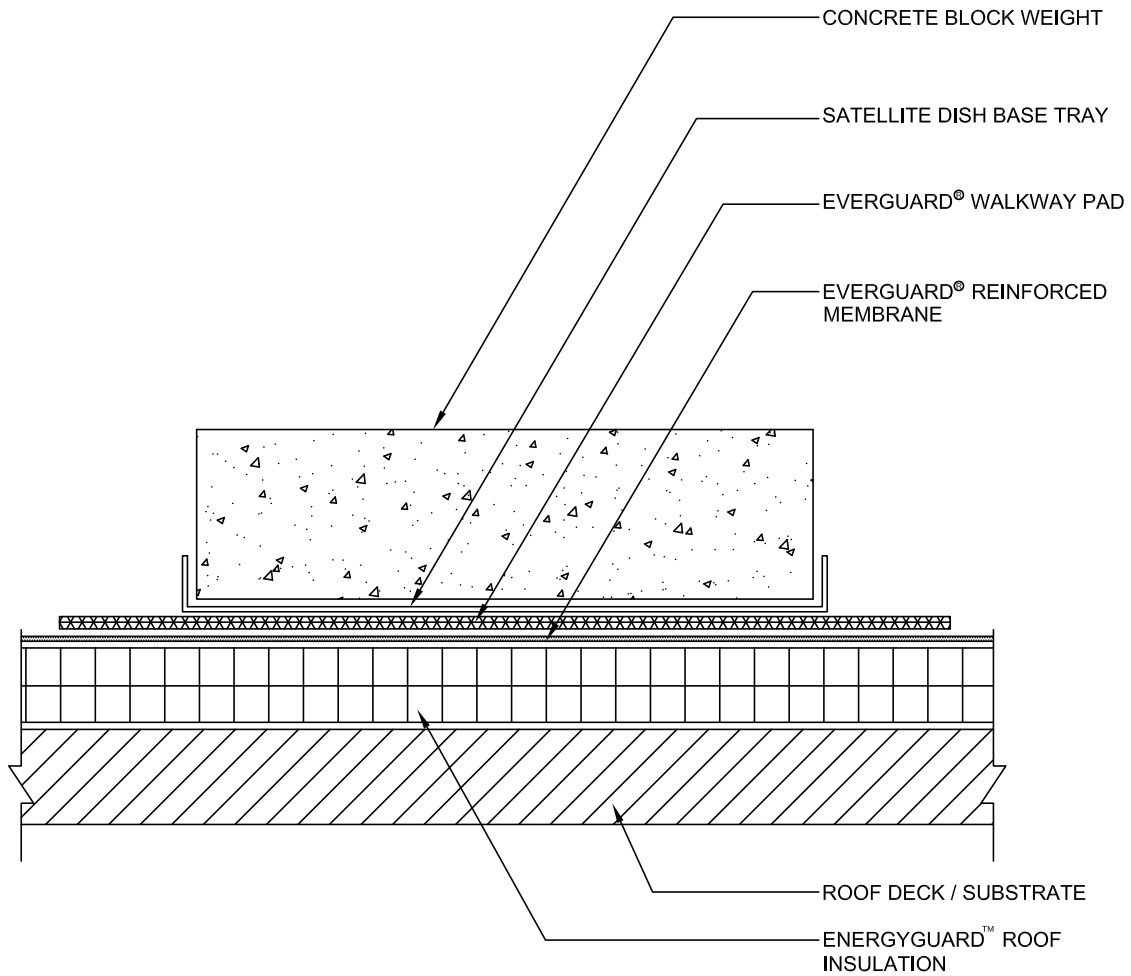
SCALE
N.T.S.

**LIGHTNING PROTECTION TERMINAL -
WALL MOUNT DETAIL**

THIS DETAIL APPLIES TO:

ALL SYSTEMS

REVISION DATE
11-27-17



EverGuard
SINGLE-PLY ROOFING SYSTEMS
ROOF PENETRATION
SERIES

DRAWING #
608

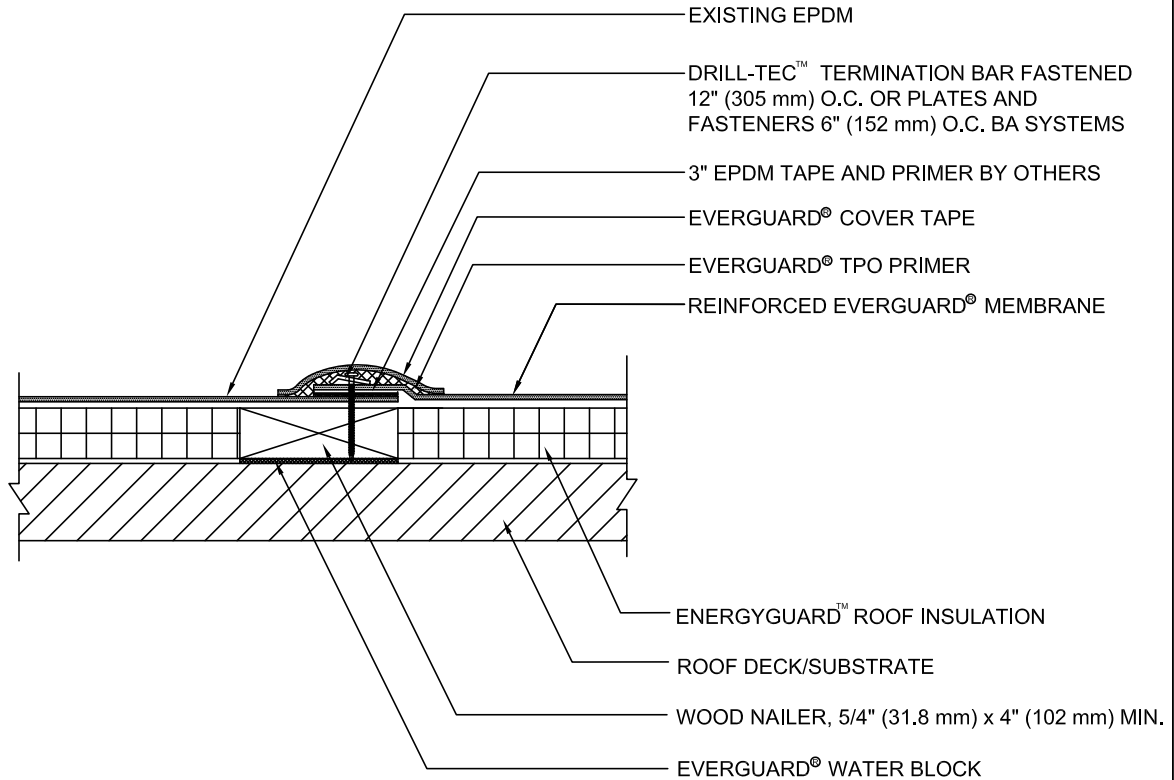
SCALE
N.T.S.

SATELLITE DISH MOUNTING

THIS DETAIL APPLIES TO:

ALL SYSTEMS

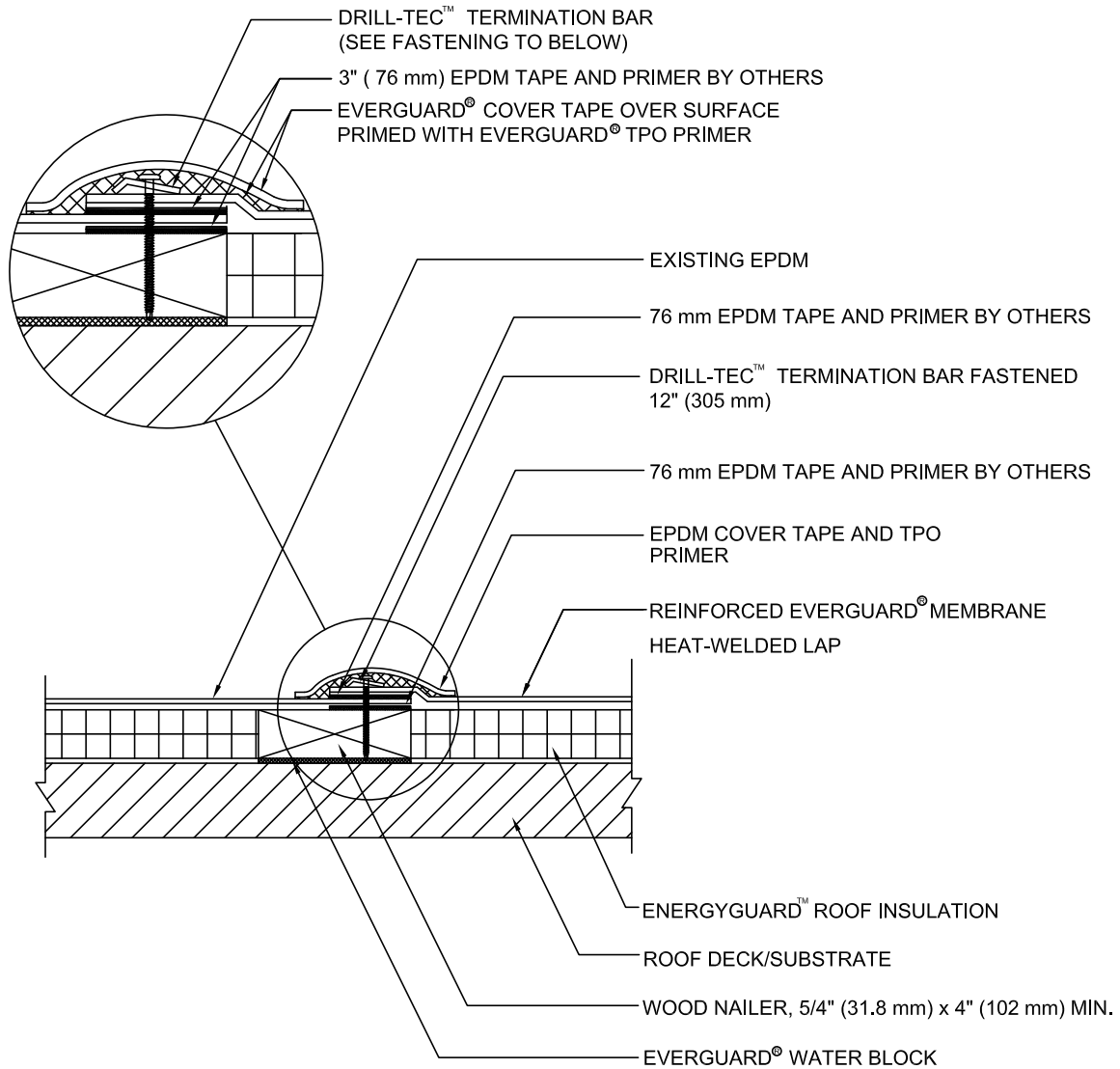
REVISION DATE
6-26-17



NOTE:

1. GAF DOES NOT GUARANTEE THE WATERTIGHT INTEGRITY OF TIE-INS TO OTHER MEMBRANE ROOF SYSTEMS.
2. FOR SELF-ADHERED RAPIDSEAM™ TECHNOLOGY SYSTEMS, UP TO 10-YR. MAXIMUM GUARANTEE ONLY.
3. FOR SELF-ADHERED HEAT-WELDED SYSTEMS, UP TO 15-YR. MAXIMUM GUARANTEE ONLY.
4. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).

 <p>www.gaf.com 1 Campus Drive, Parsippany, NJ 07054</p>	 <p>SPECIAL CONSTRUCTION SERIES</p>	<p>DRAWING #</p> <p>609A</p> <p>SCALE</p> <p>N.T.S.</p>	<p>TPO TO EXISTING EPDM</p>	<p>THIS DETAIL APPLIES TO:</p> <ul style="list-style-type: none"> Adhered Systems Ballasted Systems Mechanically Attached Systems Self - Adhered Systems TriPosite Systems <p>REVISION DATE</p> <p>12-12-17</p>
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NOTE:

1. GAF DOES NOT GUARANTEE THE WATERTIGHT INTEGRITY OF TIE-INS TO OTHER MEMBRANE ROOF SYSTEMS.
2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES
(REFER TO EVERGUARD® DETAIL 115).

 www.gaf.com 1 Campus Drive, Parsippany, NJ 07054	 SPECIAL CONSTRUCTION SERIES	DRAWING # 609B	TPO TO EXISTING EPDM - ALTERNATE NON-ADHERED	THIS DETAIL APPLIES TO: ALL SYSTEMS
		SCALE N.T.S.	TPO ONLY	REVISION DATE 12-12-17



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