EVERGUARD® TPO/PVC
ARCHITECTURAL ROOFING DETAILS
Manual
# Welcome

Who Is GAF?  
What Is In This Manual?  
What Are Our Products And Services?  
A Few Things To Consider

# Guarantee Program

General  
Special Conditions  
GAF Certified Contractor Program  
Inspections

# Insulation Fastening Patterns

2’ x 4’ (610 mm x 1.2 m) Boards  
4’ x 4’ (1.2 m x 1.2 m) Boards  
4’ x 8’ (1.2 m x 2.4 m) Boards

# Details by Applicable System Type

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200 Series - Roof Edge Details  
300 Series - Wall and Curb Details  
400 Series - Expansion Joint Details  
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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-Adhering 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

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; Lexsunco® 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.
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
4’ x 4’ (1.2 m x 1.2 m) Boards (Cont.)

24  25  26  28

29  30  31  33

34  35  40  41

42  43  44  45
### Insulation Fastening Patterns

#### 4’ x 8’ (1.2 m x 2.4 m) Boards

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*Note: Images of patterns are placeholders and should be replaced with actual images.*
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## Details by Applicable System (Cont.)

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* 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.

NOTE:

1. REFER TO THE DRILL-TEC® RHINOBOND® ATTACHMENT TABLES FOR DETAILED INSTALLATION REQUIREMENTS REGARDING DECKTYPE, PLATE & FASTENER TYPE, AND MIN. EMBEDMENT.

2. TOP LAYER OF INSULATION DOES NOT HAVE TO BE STAGGERED IF BASE LAYER IS STAGGERED.
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.
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.
REINFORCED EVERGUARD® MEMBRANE FIELD SHEETS (NOT TO SCALE)

6" (152 mm) FOR TPO OR PVC

REINFORCED EVERGUARD® MEMBRANE

HEAT-WELDED LAP (SEE NOTE #1)

EVERGUARD® CUT EDGE SEALANT

ENERGYGUARD™ ROOF INSULATION

DRILL-TEC™ PLATES & SCREWS 12" (305 mm) O.C. MAX (SEE DETAIL 116) (SEE DETAIL 118)

ROOF DECK/SUBSTRATE

NOTE:
1. FOR HEAT-WELDING LAPS USE 1.5" MAX (38.1 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).
### 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).

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**FIELD OF ROOF SERIES**

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<th>DRAWING #</th>
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<td>102B</td>
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**SCALE**

- N.T.S.

**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).
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).
1. APPLY FLEXSEAL™ CAULK GRADE SEALANT TO ALL EVERGUARD® STRIP-IN TAPE EDGES.
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).
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).
1. FOR INSULATION THICKNESS GREATER THAN 6" (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).
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.
NOTE:
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. 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. 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).
NOTE:

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

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

1. FOR MECHANICALLY ATTACHED SYSTEMS, VALLEYS MUST BE ADHERED USING APPROVED SPECIFIC EVERGUARD® ADHESIVE.
1. EVERGUARD® CUT EDGE SEALANT MUST BE USED ON ANY TPO CUT EDGES (REINFORCED ONLY).
2. FOR INSULATION THICKNESS GREATER THAN 8” (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
1. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).
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.
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, 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 EQUIATE TO FM 1-120 RATING
FIELD AREA*  
120 PSF

PERIMETER AREA 
(ENHANCED)

CORNER AREA 
(ENHANCED)

8 FASTENERS PER BOARD

15 FASTENERS PER BOARD

20 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.
4. CONSULT FM APPROVALS, ROOFNAV LISTINGS, AND FM DATA SHEETS 1-28 AND 1-29 AT 
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
200 Series
Roof Edge Details

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

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

24-GAUGE CONTINUOUS HOOK STRIP SECURED WITH DRILL-TEC™ FASTENERS @ 12” (305 mm) O.C.

EVERGUARD® COATED METAL EDGE

RING SHANK GALVANIZED NAIL @ 4”
(102 mm) O.C. STAGGERED OR DRILL-TEC™ SCREWS 12” (305 mm) O.C. 2” (52 mm)
MINIMUM FROM OUTSIDE EDGE OF METAL.

HEAT-WELDED LAP

WOOD NAILER, 5/4” (31.8 mm) x 4” (102 mm) MIN. SECURED TO DECK

8” (203 mm) WIDE EVERGUARD® FLASHING STRIP HEAT-WELDED

HEAT-WELDED LAP

REINFORCED EVERGUARD® MEMBRANE
(PERIMETER SHEET IF REQUIRED)

FOR ALTERNATE TAPERED ROOF EDGE, USE ENERGLEYARD™ TAPERED INSULATION

ENERGYGUARD™ ROOF INSULATION

ROOF DECK/SUBSTRATE

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).
15-YEAR MAX GUARANTEE

24 GAUGE CONTINUOUS HOOK STRIP SECURED WITH DRILL-TEC™ FASTENERS @ 12" (305 mm) O.C.

24 GAUGE METAL EDGE

RING SHANK GALVANIZED NAIL @ 4" (102 mm) O.C. STAGGERED OR DRILL-TEC™ SCREWS 12" (305 mm) O.C. AND 2" (52 mm) MINIMUM FROM OUTSIDE EDGE OF METAL.

WOOD NAILER, 5/4" (31.8 mm) x 4" (102 mm) MIN SECURED TO DECK

PRIME SURFACE UNDER TAPE WITH EVERGUARD® TPO PRIMER

EVERGUARD® TPO COVER TAPE

REINFORCED EVERGUARD® MEMBRANE (PERIMETER SHEET IF REQUIRED)

ENERGYGUARD™ ROOF INSULATION

ROOF DECK/SUBSTRATE

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

2. 25 YEAR GUARANTEES AND ABOVE MUST USE EXTREME ACCESSORIES.
**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.
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).
20 YEAR MAX GUARANTEE

FLEXSEAL® CAULK GRADE SEALANT

PRIME MEMBRANE AREA BEHIND SEALANT WITH EVERGUARD® TPO PRIMER

DRILL-TEC™ TERMINATION BAR FASTENED 6" (152 mm) O.C. WITH DRILL-TEC™ FASTENERS

REINFORCED EVERGUARD® MEMBRANE (PERIMETER SHEET IF REQUIRED)

WOOD NAILE, 5/4" (31.8 mm) x 4" (102 mm) MIN. SECURED TO DECK

ENERGYGUARD™ ROOF INSULATION

ROOF DECK/SUBSTRATE

EVERGUARD® WATER-BLOCK OR FLEXSEAL® CAULK GRADE SEALANT

MEMBRANE EXTENDS MIN 1" (25.4 mm) BELOW BAR

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).
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).
**20-YEAR MAX GUARANTEE**

- **FLEXSEAL® CAULK GRADE SEALANT**
- **PRIMER MEMBRANE AREA BEHIND SEALANT WITH TPO PRIMER**
- **DRILL-TEC® TERMINATION BAR FASTENED 6" (127 mm) O.C. WITH DRILL-TEC® FASTENERS**
- **8" (203 mm) WIDE EVERGUARD® FLASHING STRIP**
- **FLEXSEAL™ SEALANT OR EVERGUARD® WATER-BLOCK**
- **HEAT-WELDED LAP**
- **SHEET METAL GUTTER BY OTHERS**
- **WOOD NAILER, 5/4" (31.8 mm) x 4" (102 mm) MIN. WIDE SECURED TO DECK**
- **REINFORCED EVERGUARD® MEMBRANE OR PERIMETER SHEET IF REQUIRED.**

**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).
15-YEAR MAX GUARANTEE
TPO ONLY

24 GAUGE CONTINUOUS HOOK STRIP SECURED WITH DRILL-TEC™ FASTENERS @ 12" (305 mm) O.C.

24 GAUGE METAL EDGE
RING SHANK GALVANIZED NAIL @ 4" (102 mm) O.C. STAGGERED OR DRILL-TEC™ SCREWS 12" (305 mm) O.C. AND 2" (52 mm) MINIMUM FROM OUTSIDE EDGE OF METAL.

WOOD NAILER, 5/4" (31.8 mm) x 4" (102 mm) MIN SECURED TO DECK
PRIME SURFACE UNDER TAPE WITH EVERGUARD® TPO PRIMER
EVERGUARD® TPO COVER TAPE
REINFORCED EVERGUARD® Membrane (Perimeter Sheet if required)

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).

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

DRAWING # 213A
COVER TAPE AT ROOF EDGE DETAIL

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Revised: 06/24/16

SCALE N.T.S.

REVISED DATE 8-28-17

200 Series Roof Edge
20-YEAR MAX GUARANTEE

TPO ONLY

24 GAUGE CONTINUOUS HOOK STRIP SECURED WITH DRILL-TEC™ FASTENERS @ 12" (305 mm) O.C.

24 GAUGE METAL EDGE

RING SHANK GALVANIZED NAIL @ 4" (102 mm) O.C. STAGGERED OR DRILL-TEC™ SCREWS 12" (305 mm) O.C. AND 2" (52 mm) MINIMUM FROM OUTSIDE EDGE OF METAL.

WOOD NAILER, 5/4" (31.8 mm) x 4" (102 mm) MIN SECURED TO DECK

CONTINUOUS BEAD OF FLEXSEAL® CAULK GRADE SEALANT OR EVERGUARD® CUT EDGE SEALANT (SEE NOTE 4)

EVERGUARD® TPO COVER TAPE

PRIME SURFACE UNDER TAPE WITH EVERGUARD® TPO PRIMER

REINFORCED EVERGUARD® MEMBRANE (PERIMETER SHEET IF REQUIRED)

ENERGYGUARD™ ROOF INSULATION

ROOF DECK/SUBSTRATE

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).
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).
20-YEAR MAX GUARANTEE
TPO ONLY

- EVERGUARD® TPO COVER TAPE
- METAL DRIP EDGE WITH HEMMED EDGE
- EVERGUARD® TPO PRIMER
- CONTINUOUS BEAD OF FLEXSEAL™ CAULK GRADE SEALANT OR EVERGUARD® CUT EDGE SEALANT (SEE NOTE 4)
- GALV. ANGULAR SHANK ROOFING NAILS 4” (102 mm) O.C. STAGGERED OR DRILL-TEC SCREWS 12” (305 mm) O.C.
- SHEET METAL GUTTER BY OTHERS
- ANGULAR ROOFING NAILS 12” (305 mm) O.C.
- REINFORCED EVERGUARD® MEMBRANE (PERIMETER SHEET IF REQUIRED)

ROOF DECK/SUBSTRATE
ENERGYGUARD™ ROOF INSULATION
WOOD NAILER, 5/4” (31.8 mm) x 4” (102 mm) MIN SECURED TO SUBSTRATE

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).

GAF® EverGuard®

ROOF EDGE SERIES

COVER TAPE AT GUTTER EDGE DETAIL

DRAWING # 214B

SCALE N.T.S.

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

REVISED DATE 10-3-17
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).
20-YEAR MAX GUARANTEE
TPO ONLY

24 GAUGE CONTINUOUS HOOK STRIP SECURED WITH DRILL-TEC™ FASTENERS @ 12” (305 mm) O.C.

24 GAUGE METAL EDGE

EVERGUARD® TPO PRIMER

CONTINUOUS BEAD OF FLEXSEAL® CAULK GRADE SEALANT OR EVERGUARD® CUT EDGE SEALANT (SEE NOTE 4)

EVERGUARD® TPO COVER TAPE

6” (152 mm) WIDE STRIP OF EVERGUARD® DETAILING MEMBRANE HEAT-WELDED OVER LAP JOINTS AND EXTENDED 2” (52 mm) ONTO FIELD MEMBRANE

REINFORCED EVERGUARD® MEMBRANE (PERIMETER SHEET IF REQUIRED)

ENERGYGUARD™ ROOF INSULATION

ROOF DECK/SUBSTRATE

WOOD NAILER, 5/4” (31.8 mm) X 4” (102 mm) MIN SECURED TO SUBSTRATE

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).

GAF
215B
COVER TAPE OVERLAP AT ROOF EDGE DETAIL

SCALE
N.T.S.

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

REV/ED/DATE: 12-12-17
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.

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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).
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.
20-YEAR MAX GUARANTEE

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).
200 Series Roof Edge

**20 YEAR MAX GUARANTEE**

CLEAN METAL AND MEMBRANE WITH EVERGUARD® TPO SEAM CLEANER AND LET DRY.

EVERGUARD® TPO COVER TAPE HEAT-WELD STRIP - 6" (152 mm) END LAP. DO NOT OVERLAP ENDS

4" (102 mm) MIN WIDTH STRIP OF EVERGUARD® TPO DETAILING MEMBRANE

EVERGUARD® CUT EDGE SEALANT

REINFORCED EVERGUARD® MEMBRANE (PERIMETER SHEET IF REQUIRED)

ENERGYGUARD™ ROOF INSULATION

ROOF DECK/SUBSTRATE

WOOD NAILED, 5/4" (31.8 mm) x 4" (102 mm) MINIMUM SECURED TO SUBSTRATE

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

200 Series
Roof Edge

REINFORCED EVERGUARD® MEMBRANE

EVERGUARD® WATER-BLOCK SEALANT

0.032 ALUM RETAINER SPLICE WITH RUBBER GASKET, 6" (152 mm) WIDE

EVERGUARD® EZ FASCIA EX FASCIA FORMED IN 10'-0" (3.05 m) LENGTHS

#9 1-1/2" (38.1 mm) SS SCREW w/ WASHER, PROVIDED

CONCEALED JOINT SPLICE, 4" (102 mm) WIDE

EXTRUDED RETAINER, 10'-0" (3.05 m) LENGTHS

WALL

WOOD NAILE, 5/4" (31.8 mm) x 4" (102 mm) MIN SECURED TO SUBSTRATE

ENERGYGUARD™ ROOF INSULATION

ROOF EDGE SERIES
DRAWING # 231

EZ FASCIA EX DETAIL

GAF
www.gaf.com

1 Central Ave.,
Hackensack, NJ 07601

SCALE N.T.S.

THIS DETAIL APPLIES TO:
Achieved Systems
Ballasted Systems
Self-Adehered Systems
Mechanically Attached Systems

REVISION DATE 12-12-17

70
Drawing # 232

EZ FASCIA DETAIL

REINFORCED® EVERGUARD MEMBRANE

EVERGUARD® EZ FASCIA FASCIA FORMED IN 10'-0" LENGTHS

EVERGUARD® WATERBLOCK SEALANT

ENERGYGUARD™ INSULATION

#9 1-1/2" (38.1 mm) SS SCREW w/ WASHER, PROVIDED

CONCEALED JOINT SPLICE, 4" (102 mm) WIDE

20GA GALVANIZED RETAINER OR OPTIONAL 0.050 ALUM RETAINER FORMED IN 10'-0" LENGTHS

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).
300 Series
Wall and Curb Details

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

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

FLAShING KEY

- 24" - 54" (610 mm - 137 m)
  REQUIRES BONDING ADHESIVE
- UP TO 24" (610 mm) DRY HUNG

EVERGUARD® WATER BLOCK OR FLEXSEAL® CAULK GRADE SEALANT

FLEXSEAL® CAULK GRADE SEALANT

DRILL-TEC® TERMINATION BAR FASTENED 12" (305 mm) O.C. W/ DRILL-TEC® FASTENERS

CAULKING BY OTHERS

REGLET OF SURFACE-MOUNT COUNTERFLASHING BY OTHERS (REQUIRED FOR EXTENDED-LENGTH GUARANTEE)

EVERGUARD® BONDING ADHESIVE (SEE FLASHING KEY)

DRILL-TEC® PLATES & SCREWS 12" (305 mm) O.C. (6" [152 mm] O.C. FOR BALLASTED SYSTEMS)

HEAT-WELDED LAP

REINFORCED EVERGUARD® MEMBRANE

ENERGYGUARD® ROOF INSULATION

ROOF DECK/SUBSTRATE

WOOD NAILER, 5/4" (31.8 mm) x 4" (102 mm) MIN. WIDE SECURED TO DECK (OPTIONAL)

ALTERNATE BASE

REFER TO DETAIL 307

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).

DRAWING #

PARAPET WALL FLASHING WITH COUNTERFLASHING

301

PARAPET WALL & CURB SERIES

SCALE

N.T.S.

THIS DETAIL APPLIES TO:

ALL SYSTEMS

www.gaf.com
**FLASHING KEY**

- 24” - 54” (610 mm - 1,371 mm) REQUIRES BONDING ADHESIVE
- UP TO 24” (610 mm) DRY HUNG

**20-YEAR MAX GUARANTEE**

- EVERGUARD® WATER BLOCK OR FLEXSEAL® CAULK GRADE SEALANT
- DRILL-TEC™ TERMINATION BAR FASTENED 6” (152 mm) O.C.
- FLEXSEAL® CAULK GRADE SEALANT
- EVERGUARD® BONDING ADHESIVE (SEE FLASHING KEY)
- DRILL-TEC™ PLATES & SCREWS 12" (305 mm) O.C. (6" [152 mm] O.C. FOR BALLASTED SYSTEMS)
- HEAT-WELDED LAP
- REINFORCED EVERGUARD® MEMBRANE (PERIMETER SHEET IF REQUIRED)
- ENERGYGUARD® ROOF INSULATION
- ROOF DECK/SUBSTRATE

**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.

**DRAWING #** 302  
**WALL/CURB FLAShING WITH TERMINATION BAR DETAIL**  
**PARAPET WALL & CURB SERIES**  
**SCALE** N.T.S.  
**THIS DETAIL APPLIES TO:** ALL SYSTEMS  
**REV / DATE** 12-12-17
FLAShING KEY

Flashing Sheets that are...
- 24” or less - loose laid
- Greater than 42” - bonding adhesive required

FASTEN CLIP
12” (305 mm) O.C.

COPING CAP

EVERGUARD® BONDING ADHESIVE
(SEE FLAShING KEY)

DRILL-TEC™ PLATES & SCREWS 12” (305 mm)
O.C. (8” [152 mm] O.C. FOR BALLASTED
SYSTEMS)

HEAT-WELDED LAP (SEE NOTE #3)

REINFORCED EVERGUARD® MEMBRANE

ENERGYGUARD™ ROOF INSULATION

ROOF DECK/substrate

WOOD NAILER, 5/4” (38.1 mm) x 4”
(102 mm) MIN. WIDE SECURED TO
DECK (OPTIONAL)

ALTERNATE BASE
REFER TO EVERGUARD DETAIL 307

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.

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. 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).
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).
NOTE:

1. DRILL-TEC™ RHINOBO® FASTENER & PLATE MUST BE INSTALLED A MAXIMUM 6" (152 mm)
FROM THE ANGLE CHANGE.

2. REFER TO THE DRILL-TEC™ RHINOBO® ATTACHMENT TABLES FOR DETAILED INSTALLATION
REQUIREMENTS REGARDING DECK TYPE, PLATE & FASTENER TYPE, AND MIN. EMBEDMENT.
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).
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).
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).
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).
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. 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).

PARAPET WALL & CURB SERIES
DRAWING # 312
THRESHOLD FLASHING DETAIL
SCALE: N.T.S.
ALL SYSTEMS

www.gaf.com
7 Canaan Drive
Plymouth, NH 03777

84

DRAWING # 312
THRESHOLD FLASHING DETAIL
SCALE: N.T.S.
ALL SYSTEMS

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Plymouth, NH 03777

84
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).
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).
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).
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).
REFERENCE EVERGUARD DETAIL 317D FOR VERTICAL SHEET LAYOUT

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).

NOTE:

10' (3.05 m) WIDE SHEETS

DRAWING # 317A

SCALE N.T.S.

EVERGUARD® 300 SERIES PARAPET WALL AND CURB DETAILS FOR TERMINATION

EVERGUARD® BONDING ADHESIVE REQUIRED

DRILL-TEC™ PLATES & SCREWS FASTENED 12" (305 mm) O.C. VERTICALLY UP WALL

REINFORCED 10’ (3.05 m) WIDE EVERGUARD® MEMBRANE – RUN MEMBRANE WIDTH VERTICALLY UP AND OVER WALL

HEAT-WELD LAPS

REINFORCED EVERGUARD® MEMBRANE (PERIMETER SHEET IF REQUIRED)

ENERGYGUARD® ROOF INSULATION

ROOF DECK/SUBSTRATE

WWW.GAF.COM 1-800-GAF-HOME 1-800-424-4663

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

300 SERIES WALL AND CURB

REVISED DATE: 6-26-17
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 HIJNG WITHOUT ADHESIVE.

2. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).
**FLAShING KEY**

- OVER 24" (610 mm) REQUIRES BONDING ADHESIVE
- UP TO 24" (610 mm) DRY HUNG

---

**NOTE:**

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).

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**300 SERIES WALL AND CURB**

**DRAWING #**

317C

**HIGH WALL FLASHING DETAIL - WITH PLATES AND FASTENERS**

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**GAF® EverGuard® ROOF INSULATION**

**ROOF DECK/SUBSTRATE**

**ENERGYGUARD® MEMBRANE**

**REINFORCED EVERGUARD® MEMBRANE**

**HEAT-WELDED LAP**

**EVERGUARD® BONDING ADHESIVE REQUIRED 24" - 54" (610 mm - 1.37 m) ON SMOOTH MEMBRANE ONLY.**

**DRILL-TEC™ PLATES & SCREWS 12" (305 mm) O.C. (6" [152 mm] O.C. FOR BALLASTED SYSTEMS)**

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**FLASHING KEY**

- OVER 24" (610 mm) REQUIRES BONDING ADHESIVE
- UP TO 24" (610 mm) DRY HUNG

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**NOTE:**

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).

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**GAF® EverGuard® ROOF INSULATION**

**ROOF DECK/SUBSTRATE**

**ENERGYGUARD® MEMBRANE**

**REINFORCED EVERGUARD® MEMBRANE**

**HEAT-WELDED LAP**

**EVERGUARD® BONDING ADHESIVE REQUIRED 24" - 54" (610 mm - 1.37 m) ON SMOOTH MEMBRANE ONLY.**

**DRILL-TEC™ PLATES & SCREWS 12" (305 mm) O.C. (6" [152 mm] O.C. FOR BALLASTED SYSTEMS)**

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**FLASHING KEY**

- OVER 24" (610 mm) REQUIRES BONDING ADHESIVE
- UP TO 24" (610 mm) DRY HUNG
FOR 5' (1.52 m) WIDE SHEETS
REFERENCE EVERGUARD DETAIL 317B

NOTE:
1. FIRST THREE SHEETS FROM THE CORNER AND FIRST THREE SHEETS FROM THE WALL EDGE REQUIRE A ROW OF DRILL-TEC PLATES AND FASTENERS 12" O.C. MID WAY UP THE WALL AS SHOWN.

FOR 10' (3.05 m) WIDE SHEETS
REFERENCE EVERGUARD DETAIL 317A

NOTE:
1. FIRST SHEET FROM THE CORNER AND FIRST SHEET FROM THE WALL EDGE ARE 10' (3.05 m) WIDE. ALL SHEETS IN BETWEEN ARE 20' (6.10 m) WIDE.
1. MECHANICAL TERMINATION

FLEXSEAL® CAULK GRADE SEALANT
DRILL-TEC™ TERMINATION BAR FASTENED 12" (305 mm) O.C. (OPTIONAL)
METAL COUNTERFLASHING (MAY BE FACE MOUNTED ALSO)
EVERGUARD® BONDING ADHESIVE (OPTIONAL)
REINFORCED EVERGUARD® MEMBRANE

NOTE: EXISTING COUNTERFLASHING MUST BE IN GOOD WORKABLE CONDITION AND TIGHT TO WALL.

2. MECHANICAL TERMINATION

FLEXSEAL® CAULK GRADE SEALANT
DRILL-TEC™ FASTENERS 12" (305 mm) O.C.
METAL SURFACE MOUNTED COUNTERFLASHING
DRILL-TEC™ FASTENERS 12" (305 mm) O.C.
EVERGUARD® BONDING ADHESIVE (OPTIONAL)
REINFORCED EVERGUARD® MEMBRANE

NOTE: EXISTING COUNTERFLASHING MUST BE IN GOOD WORKABLE CONDITION AND TIGHT TO WALL.

3. MECHANICAL TERMINATION (15-YR MAX GUARANTEE)

FLEXSEAL® CAULK GRADE SEALANT
EVERGUARD® WATER-BLOCK OR FLEXSEAL® CAULK GRADE SEALANT
DRILL-TEC™ TERMINATION BAR
DRILL-TEC™ FASTENERS 6" (152 mm) O.C.
EVERGUARD® BONDING ADHESIVE (OPTIONAL)
REINFORCED EVERGUARD® MEMBRANE
**20 YEAR MAX GUARANTEE**

MORTAR (BY OTHERS)

COPING STONE (BY OTHERS)

EVERGUARD® WATER BLOCK

REINFORCED EVERGUARD® MEMBRANE

EVERGUARD® BONDING ADHESIVE (OPTIONAL)

4. COPING STONE TERMINATION

METAL CAP (BY OTHERS)

DRILL-TEC "FASTENERS 12" (305 mm) O.C.

EVERGUARD® BONDING ADHESIVE (OPTIONAL)

REINFORCED EVERGUARD® MEMBRANE

5. CAP FLASHING TERMINATION

**TERMINATION DETAILS 4 & 5**

ALL SYSTEMS

www.gaf.com
1 Central Ave.
Parsippany, NJ 07054

DRAWING #
318B

TERMINATION DETAILS 4 & 5

ALL SYSTEMS

SCALE
N.T.S.

REV. DATE
12-12-17

94
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).
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. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).
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).
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 RAPIDEAM™ 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.
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).
FASTENED TO WALL / CURB

DRILL-TEC® PLATES & FASTENERS 6" (152 mm) MIN. OUT FROM CORNER

WALL / CURB

EVERGUARD® R.T.A. STRIP MUST EXTEND MAX. 1/2" (12.7 mm) ABOVE SCREW PLATE.

DRILL-TEC® PLATES & FASTENERS 12" (305 mm) O.C. MAX. (6" (152 mm) O.C.) FOR BALLASTED SYSTEMS

FASTENED TO DECK

WALL / CURB

DRILL-TEC® PLATES & FASTENERS 12" (305 mm) O.C. MAX.

GAP BETWEEN STRIPS 1/8" (3.18 mm) MIN TO 1" (25.4 mm) MAX

EVERGUARD® R.T.A. STRIP MUST EXTEND MAX. 1/2" (12.7 mm) BEHIND SCREW PLATE.

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.
FASTENED TO WALL/ CURB

WALL/ CURB

DRILL-TEC™ PLATES & SCREWS
12" (305 mm) O.C. (6" [152 MM] O.C.
FOR BALLASTED SYSTEMS)

EVERGUARD® R.T.A. STRIP
MUST EXTEND 3/8" (12.7 mm)
ABOVE SCREW PLATE.

FASTENED TO DECK

WALL/ CURB

DRILL-TEC™ PLATES &
FASTENERS 12" (305 mm)
O.C. MAX.

EVERGUARD® R.T.A. STRIP
MUST EXTEND MAX. 3/8" (12.7
mm) BEHIND SCREW PLATE.

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

106

300 Series
Wall and Curb

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).

FIELD FABRICATED INSIDE CORNER HEAT WELDED IN CORNER
REINFORCED EVERGUARD® MEMBRANE (PERIMETER SHEET IF REQUIRED)
1. IF EVERGUARD® FREEDOM® MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
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).
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).
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. FLASHINGS MAY BE ADHERED OR INSTALLED DRY. SEE SPEC FOR DIRECTIONS.
4. KEEP FASTENERS BACK FROM CORNER 6" (152 mm) MAX. IN BOTH HORIZONTAL AND VERTICAL APPLICATIONS.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).
ARCHITECTURAL DETAIL DRAWINGS
EverGuard® TPO/PVC Architectural Roofing Details Manual

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).

DRAWING #
329B

OUTSIDE CORNER REINFORCEMENT - FLUTED CORNER DETAIL
ALL SYSTEMS

SCALE
N.T.S.

REVISION DATE
2-12-17
**NOTE:**

1. APPLY FLEXSEAL® CAULK GRADE SEALANT TO ALL EVERGUARD® STRIP-IN TAPE EDGES AND ALL CUT REINFORCED TPO EDGE.

2. MEMBRANE MUST BE PRIMED AND DRY PRIOR TO APPLYING EVERGUARD® DOUBLE SIDED TAPE.
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).
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 305mm for more details.

GAF
EverGuard
PARAPET WALL & CURB SERIES

DRAWING # 341 RAISED DOOR SILL FLASHING

This detail applies to: ALL SYSTEMS

www.gaf.com
1 Gerande Drive
Plymouth, NJ 08868

SCALE N.T.S.

REVISION DATE 10-3-17
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.
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.
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.
400 Series
Expansion Joint Detail

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

FACTORY-FABRICATED TPO EVERGUARD® EXPANSION JOINT COVER

TACK WELD INTERMITTENTLY ON BOTH CURBS TO HOLD IN PLACE IF NEEDED WHILE INSTALLING

DRILL-TEC™ FASTENERS AND PLATES 12" (305 mm) O.C. (FOR BALLASTED SYSTEMS 6" [152 mm] O.C.)

INSTALL THE EVERGUARD® FACTORY-FABRICATED EXPANSION COVER OUT PAST THE MECHANICAL ATTACHMENT AND HOT AIR-WELD

HEAT-WELDED LAP (SEE NOTE #3)

EVERGUARD® TPO CUT EDGE SEALANT

REINFORCED EVERGUARD® TPO MEMBRANE

ENERGYGUARD® ROOF INSULATION

WOOD NAILER, 5/4" (31.8 mm) x 4" (102 mm) MIN.

TAPERED EDGE STRIP

FOAM EXTENDS 3" (76 mm) INTO OPENING

COMRESSIBLE ROD/BATT INSULATION

FIELD MEMBRANE SHOULD RUN INTO THE EXPANSION JOINT CONTINUING ONTO THE OTHER SIDE AND TERMINATING AS INDICATED

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).
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.
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.
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).
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).
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.
REFERENCE EVERGUARD® PARAPET WALL & CURB FLASHING DETAILS (300 SERIES) FOR WALL OR CURBS TERMINATION
DRILL-TEC® FASTENERS AND PLATES 12" (305 mm) O.C.
EVERGUARD® BONDING ADHESIVE (OPTIONAL)
HEAT-WELDED LAP
HEAT-WELD EXPANSION JOINT FLANGE TO WALL FLASHING ADJACENT TO BELLOW TO HOLD PROPER ELEVATION
FACTORY FABRICATED EVERGUARD® EXPANSION JOINT COVER

RUN EVERGUARD® FACTORY FABRICATED TPO EXPANSION JOINT COVER OVER FIELD SHEET AND WELD
TACK WELD INTERMITTENTLY BETWEEN FASTENERS TO HOLD IN PLACE WHILE INSTALLING
TAPERED EDGE STRIP
DRILL-TEC® FASTENERS AND PLATES 12" (305 mm) O.C. (6" [152 mm] O.C. FOR BALLAST SYSTEM)
HEAT-WELDED LAP
EVERGUARD® TPO CUT EDGE SEALANT
REINFORCED EVERGUARD® MEMBRANE
ENERGYGUARD® ROOF INSULATION
ROOF DECK/SUBSTRATE
WOOD NAILER, 5/4" (31.8 mm) x 4" (102 mm) MIN.
FOAM EXTENDS 3" (76 mm) INTO OPENING
COMPRESSIBLE ROD/BATT INSULATION
FIELD MEMBRANE SHOULD RUN INTO THE EXPANSION JOINT AND CONTINUE UP THE WALL AND TERMINATE AS INDICATED

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).
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).
REFERENCE EVERGUARD® PARAPET WALL & CURB FLASHING DETAILS (300 SERIES) FOR WALL OR CURB TERMINATION

EVERGUARD® PVC BONDING ADHESIVE (OPTIONAL)
EVERGUARD® PVC MEMBRANE

HEAT-WELDED LAP

SECURED WITH NAILING STRIP AT 12" (305 mm) O.C.

PRE-FAB METALASTIC EXPANSION JOINT CTW (CURB-TO-WALL) STYLE

METAL FLANGE NAILED 4" (102 mm) O.C.

HEAT-WELDED LAP

EVERGUARD® PVC MEMBRANE

ENERGYGUARD® ROOF INSULATION

ROOF DECK/SUBSTRATE

WOOD NAILERS, 5/4" (38.1 mm) X 4" (102 mm) MIN. WIDE SECURED TO DECK

BATT INSULATION

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.
REFERENCE EVERGUARD® PARAPET WALL & CURB FLASHING DETAILS (300 SERIES) FOR WALL OR CURB TERMINATION

EVERGUARD® BONDING ADHESIVE (OPTIONAL)

HEAT WELDED LAP

FACTORY FABRICATED EVERGUARD® TPO EXPANSION JOINT COVER

TACK WELD FLANGE INTERMITTENTLY BETWEEN FASTENERS ADJACENT TO BELLOWS

SECURE MEMBRANE AT TOP OF RING SHANK ROOFING NAILS 12" (305 mm) O.C.

HEAT WELDED LAP

CUT EDGE SEALANT

EVERGUARD® BONDING ADHESIVE

REINFORCED EVERGUARD® TPO MEMBRANE

DRILL-TEC® FASTENERS AND PLATES 12" (305 mm) O.C. (6" [152 mm] O.C. FOR BALLAST SYSTEM)

HEAT-WELDED LAP

EVERGUARD® CUT EDGE SEALANT

REINFORCED EVERGUARD® TPO MEMBRANE

ENERGYGUARD® ROOF INSULATION

ROOF DECK/SUBSTRATE

WOOD NAILERS, 5/4" (31.8 mm) x 4" (102 mm) MIN.

FOAM EXTENDS 3" (76 mm) INTO OPENING

COMPRESSIBLE ROD/BATT INSULATION

BASE FLASHING MEMBRANE SHOULD RUN INTO THE EXPANSION JOINT AND CONTINUE UP THE WALL AND TERMINATE AS INDICATED

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).
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).
REFERENCE EVERGUARD® PARAPET WALL & CURB FLASHING DETAILS (300 SERIES) FOR WALL OR CURB TERMINATION

EVERGUARD® PVC BONDING ADHESIVE

EVERGUARD® PVC MEMBRANE

HEAT-WELDED LAP

DRILL-TEC® FASTENERS AND PLATES 12" (305 mm) O.C. (6" [152 mm] O.C. FOR BALLAST SYSTEM)

PRE-FAB METALASTIC EXPANSION JOINT CTW (CURB-TO-WALL) STYLE

METAL FLANGE NAILED 12" (305 mm) O.C. with RING SHANKED GALVANIZED NAILS

EVERGUARD® PVC BONDING ADHESIVE (OPTIONAL)

HEAT-WELDED LAP

EVERGUARD® PVC MEMBRANE

DRILL-TEC® FASTENERS AND PLATES 12" (305 mm) O.C. (FOR BALLAST SYSTEMS 6" [152 mm] O.C.)

HEAT WELD LAP

EVERGUARD® PVC MEMBRANE

ENERGYGUARD™ ROOF INSULATION

ROOF DECK/SUBSTRATE

WOOD NAILERS, 5/4" (31.8 mm) x 4" (102 mm) MIN. SECURED TO DECK

BATT INSULATION

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.
500 Series
Roof Penetration Details

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

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).
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).
**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 PRIME.
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).
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).
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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).
1. TO BE USED WHEN TEMPERATURE OF STACK EXCEEDS 160° F.
2. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
3. APPLY HEAT TO DETAIL MEMBRANE AND FORM BY HAND PRIOR TO INSTALLING.
4. 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.
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).
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.
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).
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.
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 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).
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).
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).
NOTE:
1. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).
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).
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).
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).
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).
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.
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 ADD EVERGUARD® DOUBLE SIDED TAPE THEN STRIP-IN WITH EVERGUARD® STRIP-IN TAPE.
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.
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.
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).
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).
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® TPO T-TOP VENT

DRILL-TEC™ PLATES & SCREWS
4 PER STACK

HEAT-WELDED PERIMETER OF TPO VENT

REINFORCED EVERGUARD® MEMBRANE

ENERGYGUARD® ROOF INSULATION

ROOF DECK/ SUBSTRATE
600 Series
Special Construction Details

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

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).
NOTE:
1. MINIMUM SLOPE IS 2:12.
2. FOR INSULATION THICKNESS GREATER THAN 6” (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.
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).
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.
HEAT-WELDED AREA 2" (52 mm)
CONTINUOUSLY AROUND PERIMETER

ROUND CORNERS

EVERGUARD® WALKWAY PAD CUT FROM WALKWAY ROLL

HEAT-WELDED LAP

EVERGUARD® REINFORCED MEMBRANE

ENERGYGUARD® ROOF INSULATION

ROOF DECK / SUBSTRATE

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.
NOTE:

1. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO EVERGUARD® DETAIL 115).
DETAIL IS NOT GUARANTEED

REINFORCED EVERGUARD® MEMBRANE
EVERGUARD® GUN-GRADE SEALANT AROUND PLATE
EVERGUARD® WATER BLOCK BETWEEN PLATE AND FLASHING MEMBRANE
SIDE MOUNT LIGHTING ROD HOLDER
SUPPORT PLATE
TWISTED COPPER OR ALUMINUM CABLE

ALTERNATE ROD WALL MOUNT

TWISTED COPPER OR ALUMINUM CABLE
REINFORCED EVERGUARD® MEMBRANE
REINFORCED MEMBRANE STRAP HOT AIR WELDED TO FLASHING
SUPPORT PLATE
SIDE MOUNT AIR TERMINAL BASE
EVERGUARD® WATER BLOCK BETWEEN PLATE AND FLASHING MEMBRANE
EVERGUARD® GUN GRADE SEALANT AROUND PLATE

GAF®

607 LIGHTNING PROTECTION TERMINAL - WALL MOUNT DETAIL

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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).
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).