

# TECHNICAL BULLETIN

## TARGET MARKET ROOFING



BUILDING TRUST



### Subject: Sikaplan® Details

15-1

Sika Corporation – Roofing has developed 8 Sikaplan roofing details to address various wall and roof edge conditions as well as an expansion joint and clamping ring drain detail. These details are eligible for up to 20 year standard Sikaplan warranty coverage and are designed to be used only within Sikaplan roofing systems. Please [click here](#) to view the Sikaplan Adhered details and [click here](#) for the Sikaplan Fastened (mechanically-attached) details.

Four of the wall and edge details incorporate the new Sikaplan Termination Bar, a 3/4 inches (19 mm) wide extruded aluminum termination bar with a preformed 45° lip. Please see the Sikaplan Termination Bar Product Announcement and Product Data Sheet for additional information.

### Sikaplan Wall and Edge Details (6 details)

- Sikaplan Sarnaclad Metal Edge (SP-1-1A & SP-1-1F) – These details are used when a Sarnaclad metal fascia is installed at the roof edge. Detail SP-1-1A is used in a Sikaplan Adhered system and the Sikaplan roof membrane terminates beyond the face of the wood blocking. Sikaplan membrane is used to flash the horizontal flange of the Sarnaclad metal fascia to the roof. Detail SP-1-1F is used in a Sikaplan Fastened (mechanically-attached) system and the Sikaplan roof membrane is hot-air welded to the top of the Sarnaclad metal fascia.
- Sikaplan Edge Detail with Wood Blocking (SP-1-2) – This detail is used when the Sikaplan roof membrane terminates onto the outside edge of the roof into wood blocking. Prior to terminating the Sikaplan roof membrane, a strip of a minimum .032 aluminum or 24 gauge metal is set into Sikaflex®-1a sealant or Multi-Purpose Tape on the outside face of the wood blocking. The metal strip should extend 1 inch (2.5 cm) beyond the bottom of the wood blocking. Once the metal strip is set, a second application of Sikaflex-1a or Multi-Purpose Tape is applied onto the metal strip and the Sikaplan roof membrane is wrapped over the edge of the roof and into the Sikaflex-1a sealant or Multi-Purpose Tape. The Sikaplan Termination Bar is installed with the lip down to shed water. This detail is not acceptable for use at gutters.
- Sikaplan Wall/Edge Termination (SP-2-1) – This detail is used only on walls when the Sikaplan flashing membrane extends over the top of the wall and is terminated on the outboard side with a Sikaplan Termination Bar. The Sikaplan Termination Bar is installed with the lip down to shed water.

- Sikaplan Parapet Wall Termination (SP-3-1) – This detail is only for use on smooth, solid concrete and masonry parapet walls. The Sikaplan flashing membrane extends a minimum 8 inches (20.3 cm) up the wall and is terminated with the Sikaplan Termination Bar. Sikaflex-1a sealant or Multi-Purpose Tape is applied behind the top of the flashing membrane prior to the installation of the Sikaplan Termination Bar. The Sikaplan Termination Bar is fastened 12 inches (30.5 cm) on center. The lip of the Sikaplan Termination Bar is sealed with a bead of Sikaflex-1a sealant.
- Sikaplan Highwall Flashing (SP-3-2) – This detail is used when the Sikaplan flashing membrane is used to cover walls greater than 30 inches (76.2 cm) and up to 60 inches (1.5 m) in height. A Sikaplan Termination Bar is required at the midpoint of the wall height. For example, if the wall is 48 inches (1.2 m) in height, then the Sikaplan Termination Bar is installed 24 inches (61 cm) up the wall. Sikaflex-1a sealant or Multi-Purpose Tape is applied to the flashing membrane when the Sikaplan Termination Bar is installed. The Sikaplan Termination Bar is fastened 12 inches (30.5 cm) on center. The lip of the Sikaplan Termination Bar is sealed with a bead of Sikaflex-1a sealant. A cover strip is not required over the Sikaplan Termination Bar. For walls greater than 60 inches (1.5 m), please contact Sika’s Technical Department to determine the termination bar requirements.

#### **Sikaplan Expansion Joint Detail (SP-4-1)**

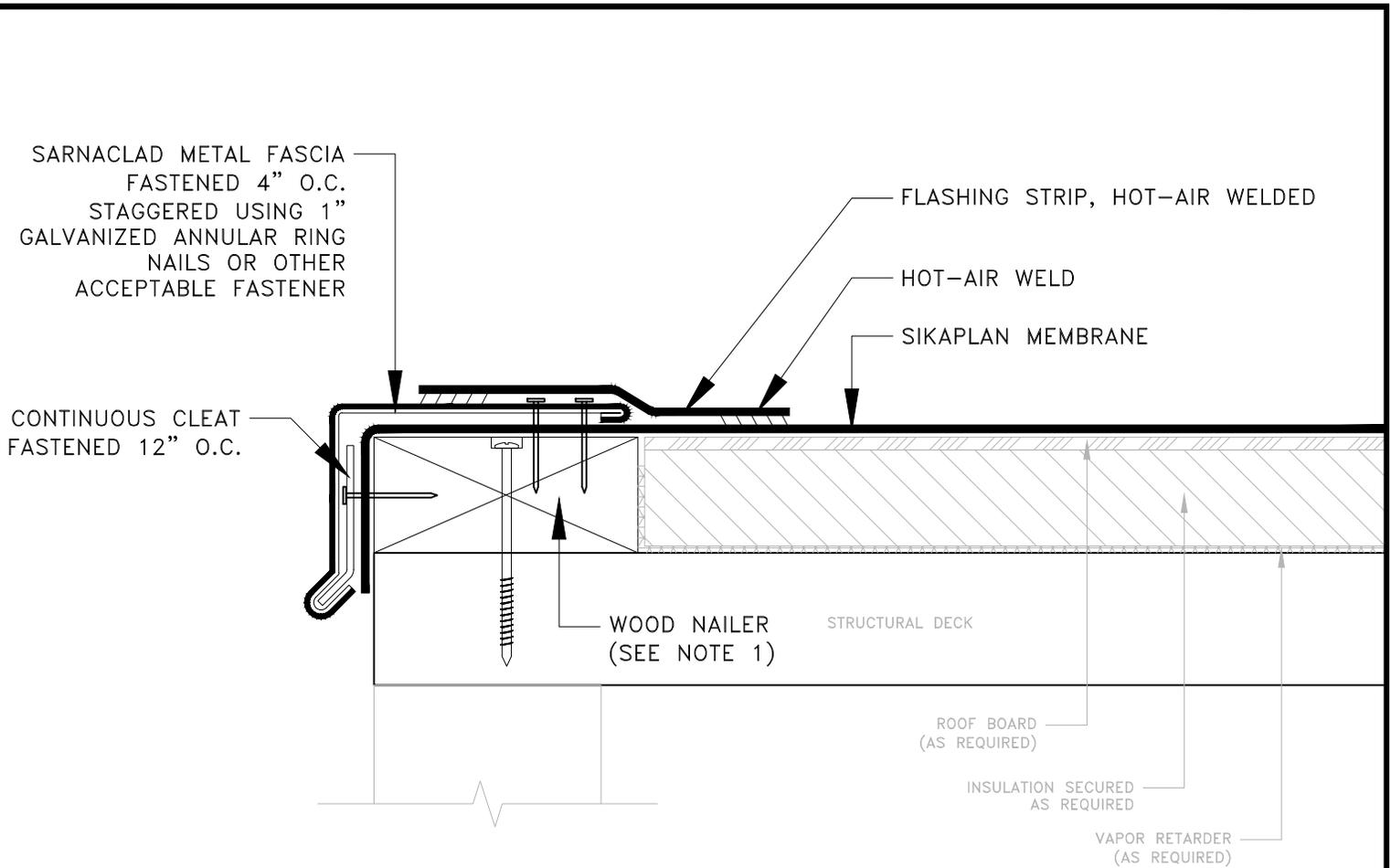
The Sikaplan roof membrane runs continuously over the expansion joint with adequate slack to accommodate anticipated joint movement and is fastened on both sides of the expansion joint. A foam rod tubing is centered over the joint and covered with a strip of Sikaplan membrane. The Sikaplan membrane cover strip must be wide enough to cover the fasteners and allow for hot-air welding to the Sikaplan roof membrane.

#### **Sikaplan Drain Detail (SP-6-1)**

The Sikaplan roof membrane runs into the roof drain assembly without the need for additional membrane securement around the perimeter of the drain sump. In a Sikaplan Adhered system, the Sikaplan membrane must be adhered to the tapered edge.

#### **Warranty**

The above Sikaplan roof details are for use only on standard Sikaplan warranted projects.



**NOTES:**

- 1) NEW OR EXISTING WOOD NAILERS SHALL BE ATTACHED ACCORDING TO THE D.O.R., LOCAL CODE, OR INSURANCE REQUIREMENTS, WHICHEVER IS MORE STRINGENT. NAILER HEIGHT TO MATCH TOP SURFACE TO WHICH MEMBRANE IS TO BE APPLIED.
- 2) VAPOR RETARDER SHALL BE SEALED AT EDGES.
- 3) CONTINUOUS CLEAT IS REQUIRED IF FACE DIMENSION OF FASCIA EXCEEDS 3".
- 4) FACE DIMENSION OF FASCIA SHALL BE A MINIMUM OF 3" OR AS OTHERWISE REQUIRED TO EXTEND A MINIMUM OF 1-1/2" BELOW BOTTOM OF WOOD NAILER.
- 5) THE HORIZONTAL FLANGE OF FASCIA SHALL BE A MINIMUM OF 4" WIDE.
- 6) FASCIA MAY BE FORMED WITH AN OPTIONAL WATER DAM/GRAVEL STOP.
- 7) NAILS USED TO ATTACH EITHER THE CONTINUOUS CLEAT OR FASCIA SHALL PENETRATE THE NAILER A MINIMUM OF 1-1/2". SCREWS SHALL PENETRATE A MINIMUM OF 1".

## SIKAPLAN SARNACLAD METAL EDGE

**BUILDING TRUST**  
781-828-5400



JOB NAME:

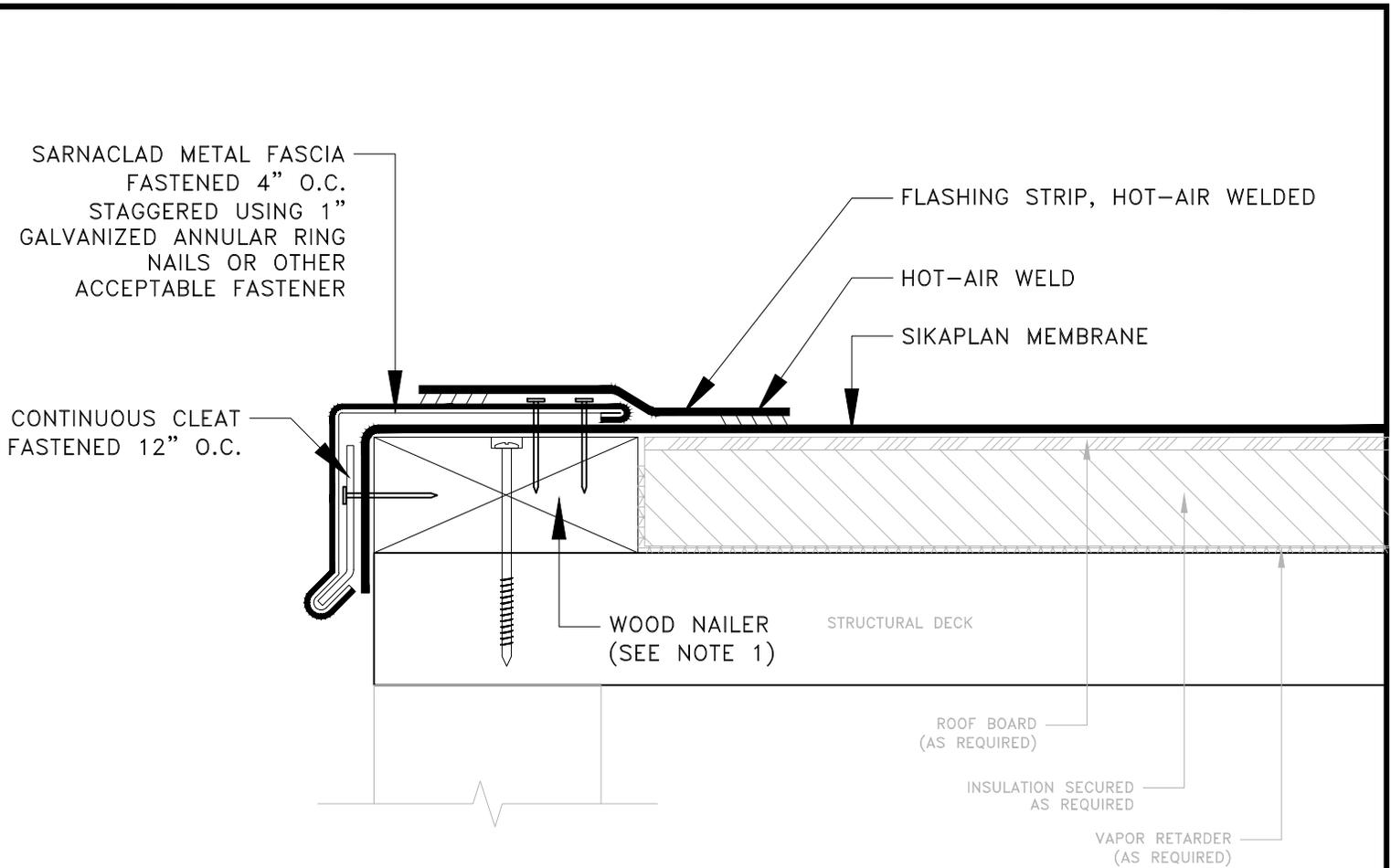
SCALE: N.T.S.

DATE: 07/22

FILE NO.: SP-1-1A

DRW. NO.: XXX

AS A MEMBRANE MANUFACTURER, SIKA CORPORATION ("SIKA") REVIEWS DETAILS PREPARED BY THE CONSULTANT, ARCHITECT AND/OR ENGINEER FOR A PROJECT SOLELY FOR THE PURPOSE OF DETERMINING IF A SIKA WARRANTY MAY ISSUE FOR THE PROJECT. THIS REVIEW IS NOT TO BE CONSTRUED AS APPROVAL OF DETAILS BY SIKA AND IS NOT BEING CONDUCTED IN LIEU OF SOUND ENGINEERING AND ARCHITECTURAL PRACTICES AND JUDGMENT AND SHOULD NOT BE RELIED UPON FOR THAT PURPOSE. SIKA CORPORATION ASSUMES NO LIABILITY WITH RESPECT TO THE DESIGN OF THE ROOFING OR WATERPROOFING SYSTEM. THE ARCHITECT, CONSULTANT AND/OR ENGINEER OR DESIGN PROFESSIONAL FOR A PARTICULAR PROJECT BEARS THE SOLE RESPONSIBILITY FOR THE DESIGN OF THE ROOFING OR WATERPROOFING SYSTEM, FOR THE PREPARATION AND APPROVAL OF THE DETAILS AND SHOP DRAWINGS, AND FOR DETERMINING THEIR SUITABILITY FOR A PARTICULAR PROJECT OR APPLICATION. WHILE SIKA PROVIDES GENERAL INSTRUCTIONS FOR THE INSTALLATION OF ITS MEMBRANE AS WELL AS TRAINING FOR SIKA AUTHORIZED APPLICATORS, THE MEANS AND METHODS USED BY THE CONTRACTOR FOR SURFACE PREPARATION AS WELL AS THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR IN THE INSTALLATION OF THE SIKA MEMBRANE ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL SALE OF SIKA PRODUCTS AND SERVICES ARE SUBJECT TO SIKA'S TERMS AND CONDITIONS OF SALE AVAILABLE AT USA.SARNAFIL.SIKA.COM.



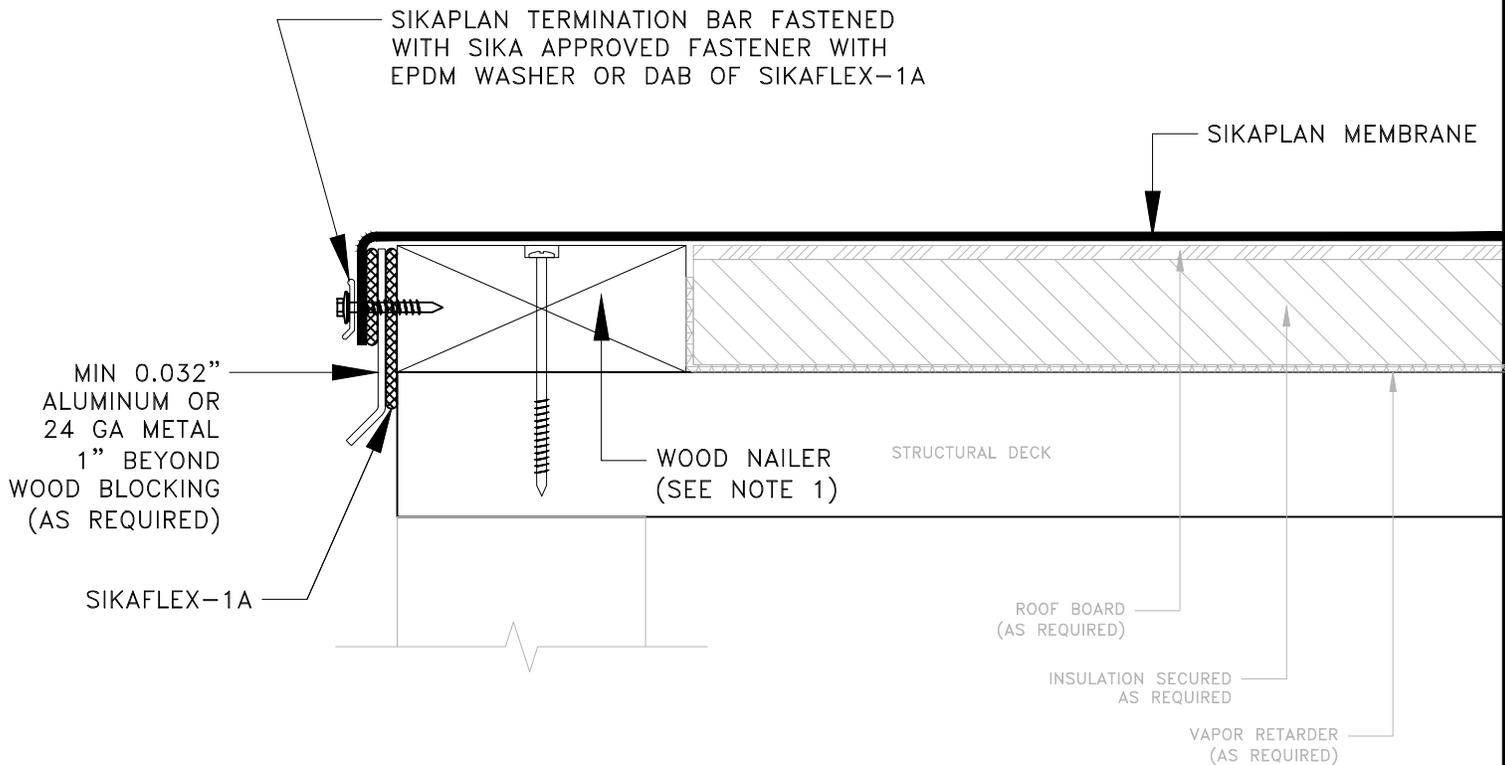
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- 2) VAPOR RETARDER SHALL BE SEALED AT EDGES.
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- 4) FACE DIMENSION OF FASCIA SHALL BE A MINIMUM OF 3" OR AS OTHERWISE REQUIRED TO EXTEND A MINIMUM OF 1-1/2" BELOW BOTTOM OF WOOD NAILER.
- 5) THE HORIZONTAL FLANGE OF FASCIA SHALL BE A MINIMUM OF 4" WIDE.
- 6) FASCIA MY BE FORMED WITH A OPTIONAL WATER DAM/GRAVEL STOP.
- 7) NAILS USED TO ATTACH EITHER THE CONTINUOUS CLEAT OR FASCIA SHALL PENETRATE THE NAILER A MINIMUM OF 1-1/2". SCREWS SHALL PENETRATE A MINIMUM OF 1".

## SIKAPLAN SARNACLAD METAL EDGE

 <p><b>BUILDING TRUST</b> 781-828-5400 usa.sarnafil.sika.com</p>	JOB NAME:		
	SCALE: <b>N.T.S.</b>	DATE: <b>07/22</b>	FILE NO.: <b>SP-1-1F</b>

AS A MEMBRANE MANUFACTURER, SIKA CORPORATION ("SIKA") REVIEWS DETAILS PREPARED BY THE CONSULTANT, ARCHITECT AND/OR ENGINEER FOR A PROJECT SOLELY FOR THE PURPOSE OF DETERMINING IF A SIKA WARRANTY MAY ISSUE FOR THE PROJECT. THIS REVIEW IS NOT TO BE CONSTRUED AS APPROVAL OF DETAILS BY SIKA AND IS NOT BEING CONDUCTED IN LIEU OF SOUND ENGINEERING AND ARCHITECTURAL PRACTICES AND JUDGMENT AND SHOULD NOT BE RELIED UPON FOR THAT PURPOSE. SIKA CORPORATION ASSUMES NO LIABILITY WITH RESPECT TO THE DESIGN OF THE ROOFING OR WATERPROOFING SYSTEM. THE ARCHITECT, CONSULTANT AND/OR ENGINEER OR DESIGN PROFESSIONAL FOR A PARTICULAR PROJECT BEARS THE SOLE RESPONSIBILITY FOR THE DESIGN OF THE ROOFING OR WATERPROOFING SYSTEM, FOR THE PREPARATION AND APPROVAL OF THE DETAILS AND SHOP DRAWINGS, AND FOR DETERMINING THEIR SUITABILITY FOR A PARTICULAR PROJECT OR APPLICATION. WHILE SIKA PROVIDES GENERAL INSTRUCTIONS FOR THE INSTALLATION OF ITS MEMBRANE AS WELL AS TRAINING FOR SIKA AUTHORIZED APPLICATORS, THE MEANS AND METHODS USED BY THE CONTRACTOR FOR SURFACE PREPARATION AS WELL AS THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR IN THE INSTALLATION OF THE SIKA MEMBRANE ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL SALE OF SIKA PRODUCTS AND SERVICES ARE SUBJECT TO SIKA'S TERMS AND CONDITIONS OF SALE AVAILABLE AT USA.SARNAFIL.SIKA.COM.



**NOTES:**

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- 2) VAPOR RETARDER SHALL BE SEALED AT EDGES.
- 3) INSTALL TERMINATION BAR WITH A 1/4" GAP BETWEEN ADJOINING SECTIONS.
- 4) TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT BEND AROUND CORNERS.
- 5) TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX. OF EACH BAR END
- 6) NOT FOR USE AT GUTTERS
- 7) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.

## SIKAPLAN EDGE DETAIL WITH WOOD BLOCKING

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SCALE:

N.T.S.

DATE:

07/22

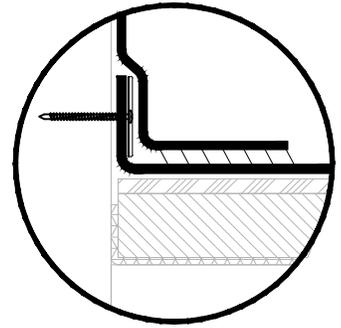
FILE NO.:

SP-1-2

DRW. NO.:

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SIKAPLAN MEMBRANE ADHERED TO ACCEPTABLE SUBSTRATE

SIKAPLAN TERMINATION BAR FASTENED WITH APPROVED SIKA FASTENER W/ EPDM WASHER OR DAB OF SIKAFLEX-1A

SIKAFLEX-1A

SPECIFIED SECUREMENT AT BASE OF WALL OR CURB  
ALTERNATE BASE FASTENING

SPECIFIED SECUREMENT

HOT-AIR WELD

SIKAPLAN MEMBRANE

STRUCTURAL DECK

ROOF BOARD (AS REQUIRED)

INSULATION SECURED AS REQUIRED

VAPOR RETARDER (AS REQUIRED)

**NOTES:**

- 1) INSTALL TERMINATION BAR WITH A 1/4" GAP BETWEEN ADJOINING SECTORS
- 2) TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT BEND AROUND CORNERS.
- 3) TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX OF EACH BAR END
- 4) SEALANT IS A MAINTENANCE ITEM AND IS NOT COVERED UNDER SIKAPLAN WARRANTIES
- 5) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES

# SIKAPLAN WALL/EDGE TERMINATION

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781-828-5400



JOB NAME:

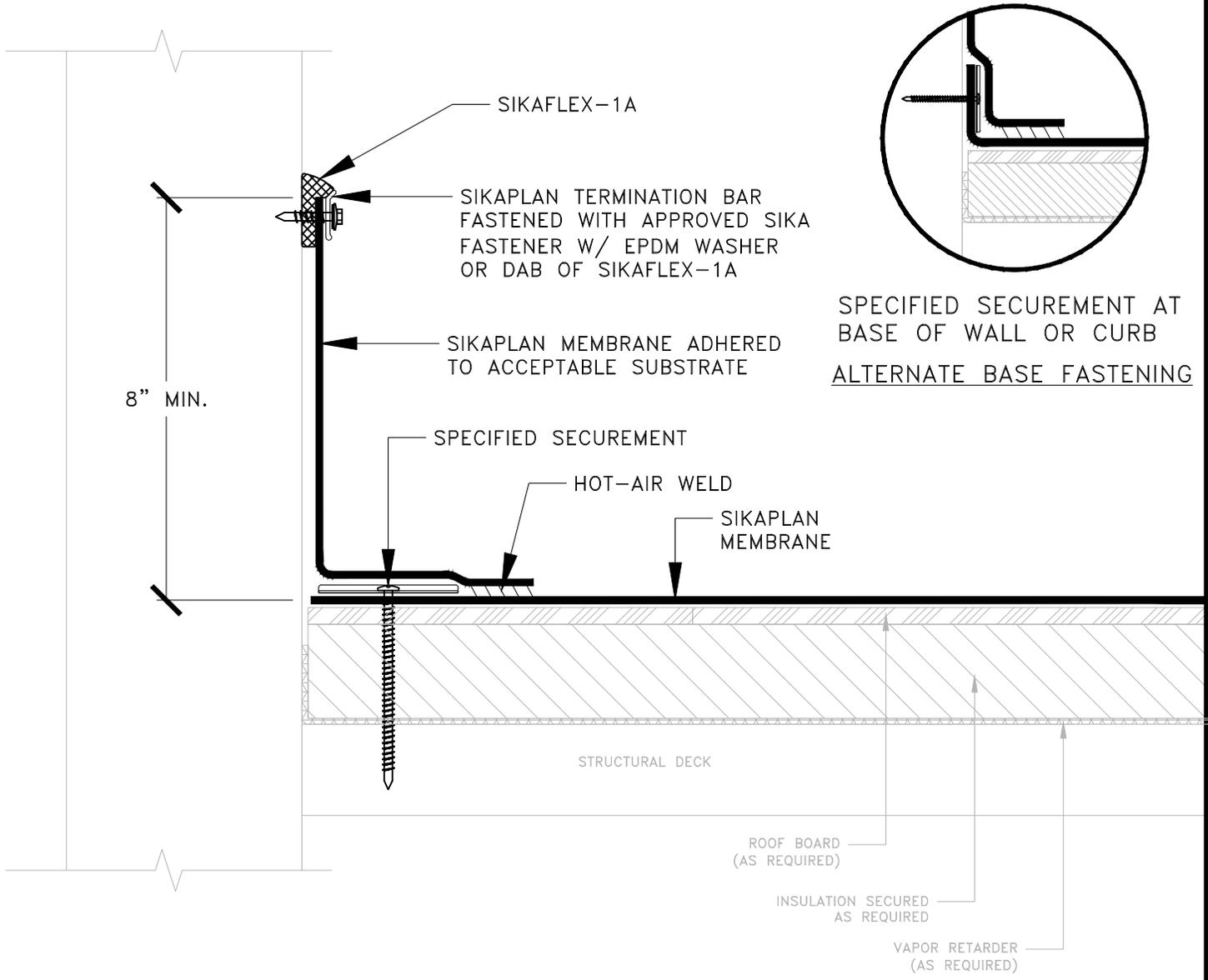
SCALE: N.T.S.

DATE: 07/22

FILE NO.: SP-2-1

DRW. NO.: XXX

AS A MEMBRANE MANUFACTURER, SIKA CORPORATION ("SIKA") REVIEWS DETAILS PREPARED BY THE CONSULTANT, ARCHITECT AND/OR ENGINEER FOR A PROJECT SOLELY FOR THE PURPOSE OF DETERMINING IF A SIKA WARRANTY MAY ISSUE FOR THE PROJECT. THIS REVIEW IS NOT TO BE CONSTRUED AS APPROVAL OF DETAILS BY SIKA AND IS NOT BEING CONDUCTED IN LIEU OF SOUND ENGINEERING AND ARCHITECTURAL PRACTICES AND JUDGMENT AND SHOULD NOT BE RELIED UPON FOR THAT PURPOSE. SIKA CORPORATION ASSUMES NO LIABILITY WITH RESPECT TO THE DESIGN OF THE ROOFING OR WATERPROOFING SYSTEM. THE ARCHITECT, CONSULTANT AND/OR ENGINEER OR DESIGN PROFESSIONAL FOR A PARTICULAR PROJECT BEARS THE SOLE RESPONSIBILITY FOR THE DESIGN OF THE ROOFING OR WATERPROOFING SYSTEM, FOR THE PREPARATION AND APPROVAL OF THE DETAILS AND SHOP DRAWINGS, AND FOR DETERMINING THEIR SUITABILITY FOR A PARTICULAR PROJECT OR APPLICATION. WHILE SIKA PROVIDES GENERAL INSTRUCTIONS FOR THE INSTALLATION OF ITS MEMBRANE AS WELL AS TRAINING FOR SIKA AUTHORIZED APPLICATORS, THE MEANS AND METHODS USED BY THE CONTRACTOR FOR SURFACE PREPARATION AS WELL AS THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR IN THE INSTALLATION OF THE SIKA MEMBRANE ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL SALE OF SIKA PRODUCTS AND SERVICES ARE SUBJECT TO SIKA'S TERMS AND CONDITIONS OF SALE AVAILABLE AT USA.SARNAFIL.SIKA.COM.



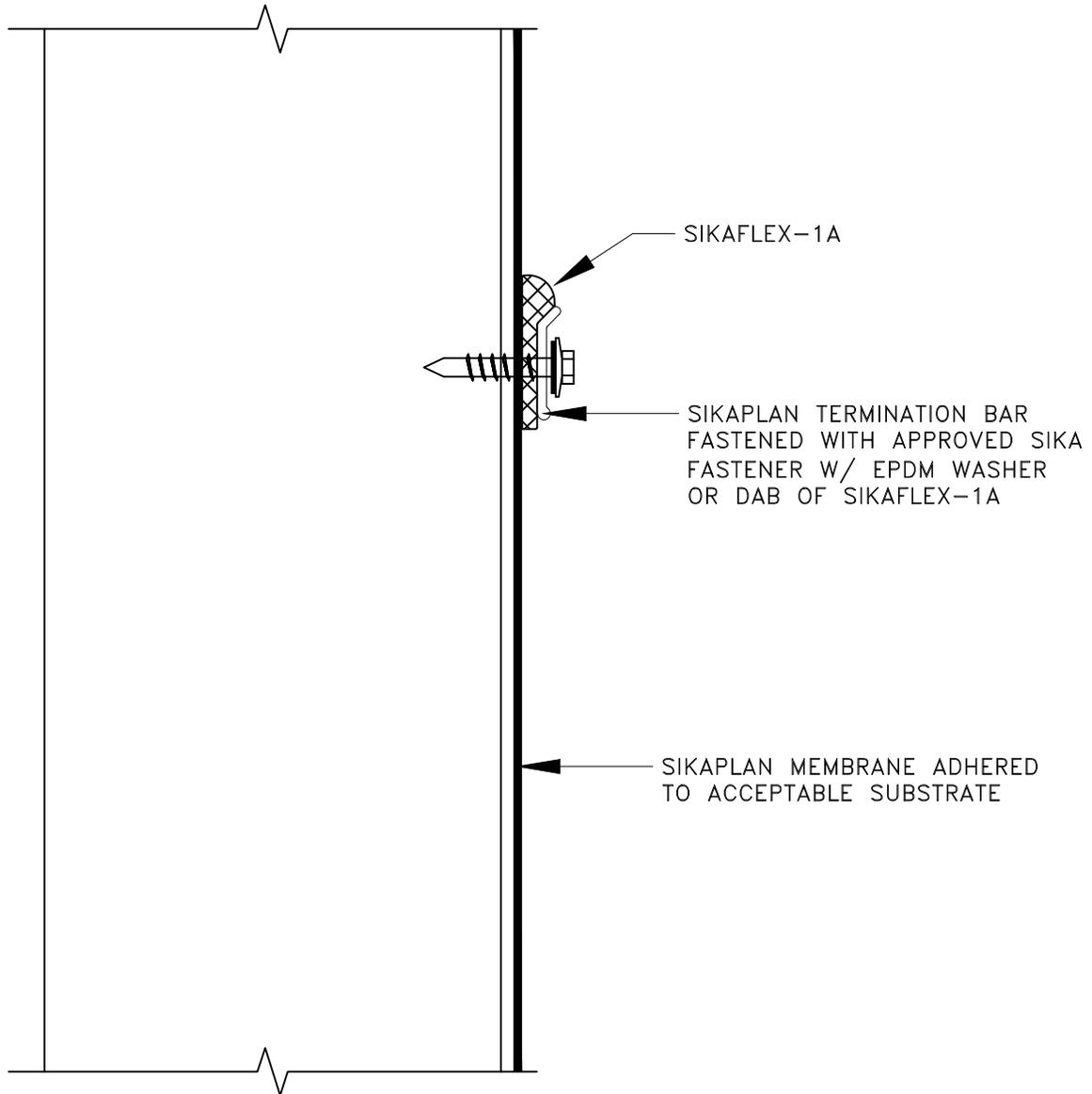
**NOTES:**

- 1) INSTALL TERMINATION BAR WITH A 1/4" GAP BETWEEN ADJOINING SECTIONS.
- 2) TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT BEND AROUND CORNERS.
- 3) TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX. OF EACH BAR END.
- 4) FOR USE ON SMOOTH / SOLID CONCRETE OR MASONRY WALLS, NOT TO BE USED ON WOOD.
- 5) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.
- 6) SEALANT IS A MAINTENANCE ITEM AND IS NOT COVERED UNDER THE SIKAPLAN WARRANTY.

# SIKAPLAN PARAPET WALL TERMINATION

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	SCALE: <b>N.T.S.</b>	DATE: <b>07/22</b>	FILE NO.: <b>SP-3-1</b>

AS A MEMBRANE MANUFACTURER, SIKA CORPORATION ("SIKA") REVIEWS DETAILS PREPARED BY THE CONSULTANT, ARCHITECT AND/OR ENGINEER FOR A PROJECT SOLELY FOR THE PURPOSE OF DETERMINING IF A SIKA WARRANTY MAY ISSUE FOR THE PROJECT. THIS REVIEW IS NOT TO BE CONSTRUED AS APPROVAL OF DETAILS BY SIKA AND IS NOT BEING CONDUCTED IN LIEU OF SOUND ENGINEERING AND ARCHITECTURAL PRACTICES AND JUDGMENT AND SHOULD NOT BE RELIED UPON FOR THAT PURPOSE. SIKA CORPORATION ASSUMES NO LIABILITY WITH RESPECT TO THE DESIGN OF THE ROOFING OR WATERPROOFING SYSTEM. THE ARCHITECT, CONSULTANT AND/OR ENGINEER OR DESIGN PROFESSIONAL FOR A PARTICULAR PROJECT BEARS THE SOLE RESPONSIBILITY FOR THE DESIGN OF THE ROOFING OR WATERPROOFING SYSTEM, FOR THE PREPARATION AND APPROVAL OF THE DETAILS AND SHOP DRAWINGS, AND FOR DETERMINING THEIR SUITABILITY FOR A PARTICULAR PROJECT OR APPLICATION. WHILE SIKA PROVIDES GENERAL INSTRUCTIONS FOR THE INSTALLATION OF ITS MEMBRANE AS WELL AS TRAINING FOR SIKA AUTHORIZED APPLICATORS, THE MEANS AND METHODS USED BY THE CONTRACTOR FOR SURFACE PREPARATION AS WELL AS THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR IN THE INSTALLATION OF THE SIKA MEMBRANE ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL SALE OF SIKA PRODUCTS AND SERVICES ARE SUBJECT TO SIKA'S TERMS AND CONDITIONS OF SALE AVAILABLE AT USA.SARNAFIL.SIKA.COM.



**NOTES:**

- 1) INSTALL TERMINATION BAR WITH A 1/4" GAP BETWEEN ADJOINING SECTIONS.
- 2) TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT BEND AROUND CORNERS.
- 3) TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX. OF EACH BAR END.
- 4) WALLS EXCEEDING 45" IN HEIGHT WILL REQUIRE ADDITIONAL FASTENING.
  - WALLS 45"- 60" TERMINATION BAR FASTENED 12" O.C. AT THE MIDPOINT.
  - WALLS HIGHER THEN 60" CONTACT SIKA'S TECHNICAL DEPARTMENT.
- 6) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.

## SIKAPLAN HIGHWALL FLASHING

**BUILDING TRUST**  
781-828-5400



JOB NAME:

SCALE:

N.T.S.

DATE:

07/22

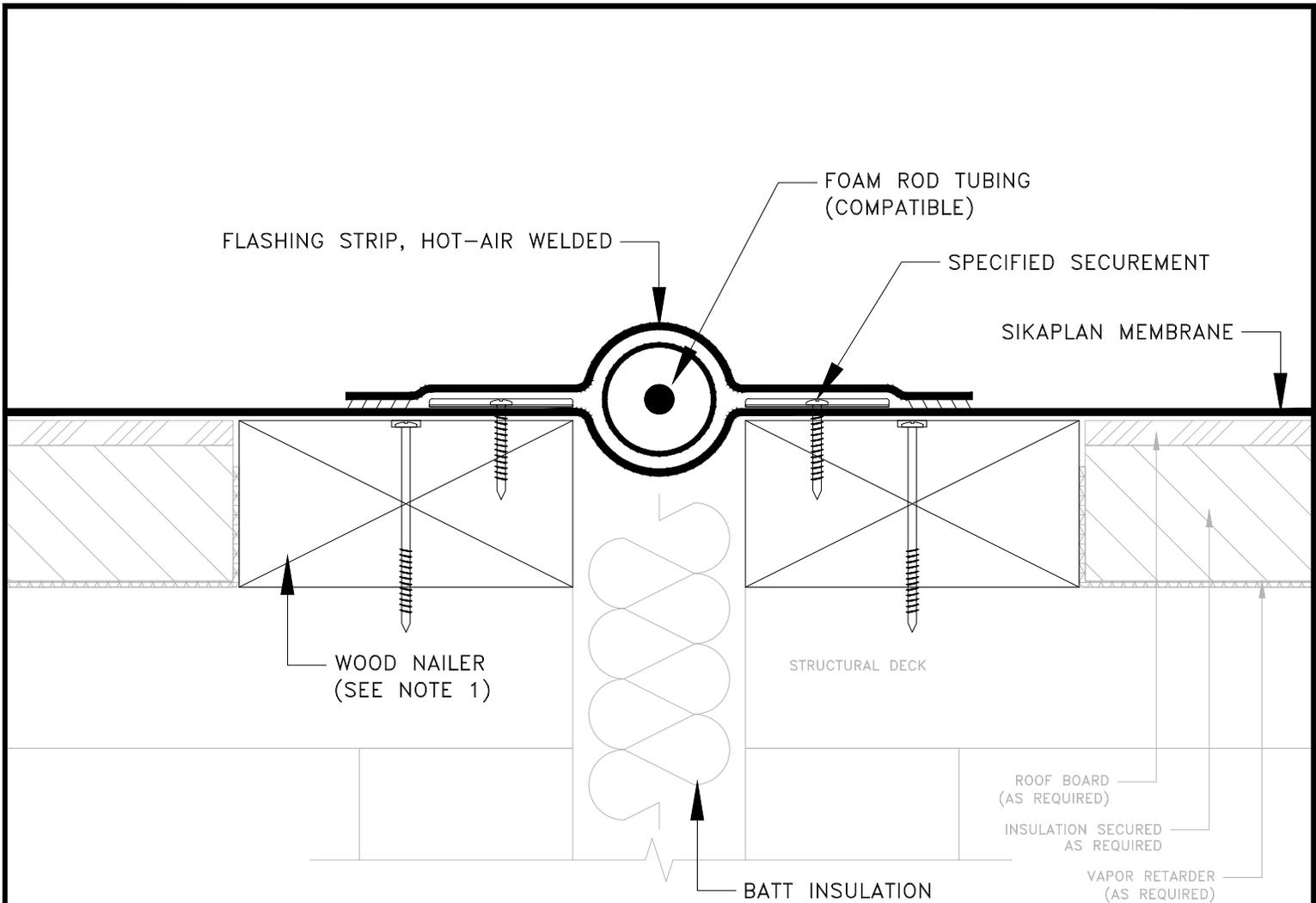
FILE NO.:

SP-3-2

DRW. NO.:

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## SIKAPLAN EXPANSION JOINT

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JOB NAME:

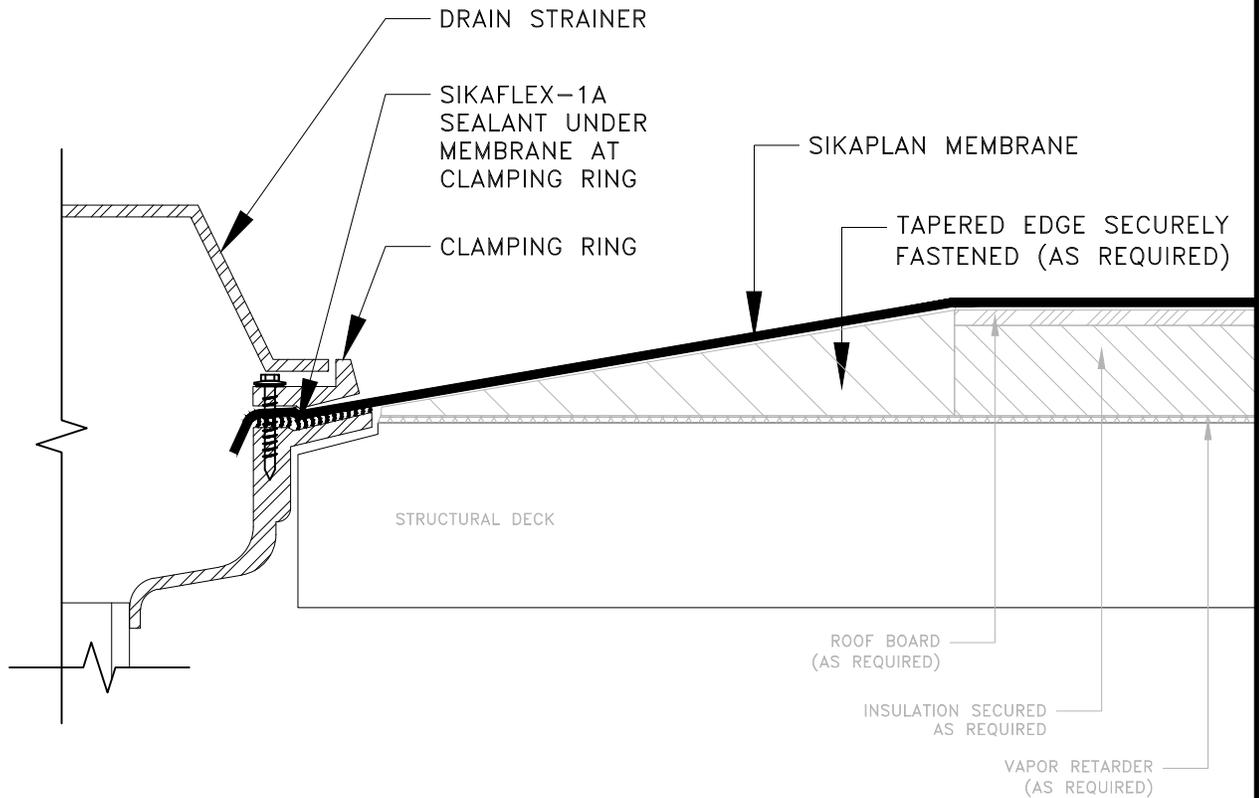
SCALE: N.T.S.

DATE: 07/22

FILE NO.: SP-4-1

DRW. NO.: XXX

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**NOTES:**

- 1) EXISTING DRAIN BOWL, CLAMPING RING, AND DRAIN ACCESSORIES ARE TO BE CLEANED FREE OF ALL CONTAMINATES.
- 2) SARNAFIL G 459 MEMBRANE MUST BE USED IN AREAS OF ASPHALT CONTAMINATION.
- 3) VAPOR RETARDER SHALL BE SEALED AT EDGES.
- 4) FIELD SEAMS ARE NOT ALLOWED IN DRAIN SUMP.
- 5) FOR SUMPS GREATER THAN 3/12 REFER TO STEEP SUMP TECH BULLETINS.
- 6) THIS DETAIL ONLY QUALIFIES FOR SIKAPLAN SYSTEM WARRANTIES.

## SIKAPLAN ROOF DRAIN DETAIL

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781-828-5400



JOB NAME:

SCALE:

N.T.S.

DATE:

07/22

FILE NO.:

SP-6-1

DRW. NO.:

XXX

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