Product Approval
USER: Public User

FL #	FL15218-R2
Application Type	Revision
Code Version	2010
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	Tag & Stick, LLC.
Address/Phone/Email	1289 NE 9th Avenue Okeechobee, FL 34972 (954) 698-7971 TJohnson@rooftile.com
Authorized Signature	Terry Johnson TJohnson@rooftile.com
Technical Representative	Terry Johnson
Address/Phone/Email	1289 NE 9th Avenue Okeechobee, FL 34972 (954) 698-7971 TJohnson@rooftile.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Roofing
Subcategory	Underlayments
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☑ Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Robert Nieminen
Florida License	PE-59166
Quality Assurance Entity	UL LLC
Quality Assurance Contract Expiration Date	04/09/2016
Validated By	John W. Knezevich, PE ☑ Validation Checklist - Hardcopy Received
Certificate of Independence	FL15218_R2_COI_Trinity ERD CI - Nieminen - 2013.pdf

Referenced Standard and Year (of Standard)

Standard	Year
ASTM D1970	2001
FM 4474	2004
TAS 103	1995
TAS 110	2000
TAS 114	2011

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method	Method 1 Option D
Date Submitted	04/26/2013
Date Validated	06/12/2013
Date Pending FBC Approval	05/03/2013
Date Approved	06/17/2013

Summary of Products

FL #	Model, Number or Name	Description
15218.1	Tag & Stick MTP	Fiberglass reinforced, SBS modified bitumen roof underlayment.
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** N/A **Design Pressure:** +N/A/-105 **Other:** 1.) The design pressure above pertains to use under foam-on tile systems in non-HVHZ jurisdictions. 2.) Refer to ER Section 5 for Limits of Use. 3.) Refer to current NOA for use in HVHZ jurisdictions.		**Installation Instructions** FL15218_R2_II_er06122013FINAL_TAG STICK_FL15218-R2.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes **Evaluation Reports** FL15218_R2_AE_er06122013FINAL_TAG STICK_FL15218-R2.pdf Created by Independent Third Party: Yes

Back Next

Contact Us :: 1940 North Monroe Street, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:

securityMETRICS Credit Card SAFE

EXTERIOR RESEARCH & DESIGN, LLC.
Certificate of Authorization #9503
353 CHRISTIAN STREET, UNIT #13
OXFORD, CT 06478
PHONE: (203) 262-9245
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EVALUATION REPORT

Tag & Stick, LLC.
1289 NE 9th Avenue
Okeechobee, FL 34972

Evaluation Report E40580.02.12-R3
FL15218-R2
Date of Issuance: 02/17/2012
Revision 3: 06/12/2013

SCOPE:
This Evaluation Report is issued under Rule 9N-3 and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code and Florida Building Code, Residential Volume. The products described herein have been designed to comply with the 2010 Florida Building Code sections noted herein.

DESCRIPTION: Tag & Stick MTP

LABELING: Each unit shall bear labeling in accordance with the requirements the Accredited Quality Assurance Agency noted herein.

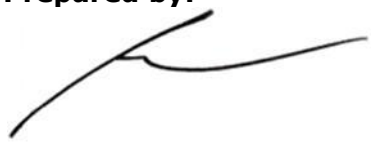
CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report by the named client constitutes agreement to notify Robert Nieminen, P.E. if the product changes or the referenced Quality Assurance documentation changes. Trinity|ERD requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Evaluation Report number preceded by the words "Trinity|ERD Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 9.

Prepared by:



Robert J.M. Nieminen, P.E.
Florida Registration No. 59166, Florida DCA ANE1983

The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 06/12/2013This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Product Approval Administrator and to the named client

CERTIFICATION OF INDEPENDENCE:
1. Trinity|ERD does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. Trinity|ERD is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

ROOFING COMPONENT EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Underlayment
Compliance Statement: Tag & Stick MTP, as produced by Tag & Stick, LLC., has demonstrated compliance with the following sections of the Florida Building Code through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
1504.3.1	Wind Uplift	FM 4474	2004
1515.1.1	Wind Uplift	TAS 114	2011
1507.2.4, 1507.2.9.2, 1507.5.3	Physical Properties	ASTM D1970	2001
1523.6.5.2.1	Physical Properties	TAS 103	1995
TAS 110	Accelerated Weathering	TAS 110	2000

3. REFERENCES:

Entity	Examination	Reference	Date
ERD (TST6049)	Wind Uplift	E40480	02/01/2012
PRI (TST5878)	Physical Properties	BWR-511-02-01	03/18/2009
PRI (TST5878)	Physical Properties	BWR-511-02-01	04/07/2009
PRI (TST5878)	Physical Properties	BWR-520-02-01	02/18/2010
PRI (TST5878)	Physical Properties	BWR-513-02-01	02/19/2010
PRI (TST5878)	Physical Properties	BWR-518-02-01	02/19/2010
PRI (TST5878)	Physical Properties	BWR-529-02-01	04/20/2011
Miami-Dade (CER1592)	HVHZ compliance	12-1003.04	04/11/2013
UL LLC (QUA9625)	Quality Control	MLA, R27380	03/06/2012
UL LLC (QUA 9625)	Quality Control	Service Confirm, R22025, 1QA	Exp. 04/09/2016

4. PRODUCT DESCRIPTION:

4.1 **Tag & Stick MTP** is a fiberglass reinforced SBS modified bitumen underlayment with an 18-inch selvage edge, an 18-inch woven fabric top surface and an 18-inch wide section of self-adhering modified bitumen with a removable silicone release film. The product design allows for mechanical attachment of base-layer underlayment followed by a self-adhering top layer underlayment, resulting in a two-ply underlayment system, within in the same roll.

5. LIMITATIONS:

5.1 This Evaluation Report is not for use within HVHZ jurisdictions. For HVHZ, refer to current Miami-Dade NOA.

5.2 Fire Classification is not part of this Laboratory Report; refer to current Approved Roofing Materials Directory or test report from accredited testing agency for fire ratings of this product.

5.3 Tag & Stick MTP may be used with any prepared roof cover where the product is specifically referenced within FBC approval documents. If not listed, a request may be made to the AHJ for approval based on this evaluation combined with supporting data for the prepared roof covering.

5.4 Allowable roof covers applied atop Tag & Stick MTP are as follows:

Table 1: Roof Cover Options						
Underlayment	**Asphalt Shingles**	**Mechanically Attached Tile**	**Foam-On Tile**	**Metal**	**Wood Shakes & Shingles**	**Slate**
Tag & Stick MTP	Yes	Yes	Yes (See 5.3.1)	Yes	Yes	Yes

5.4.1 "Foam-On Tile" is limited to use of PolyPro AH160 unless tensile adhesion / long term aging data from an accredited testing laboratory is provided.

5.5 For installations under mechanically attached prepared roof coverings, base layer shall be attached per the more critical of minimum codified requirements or Tag & Stick, LLC. published minimum requirements.

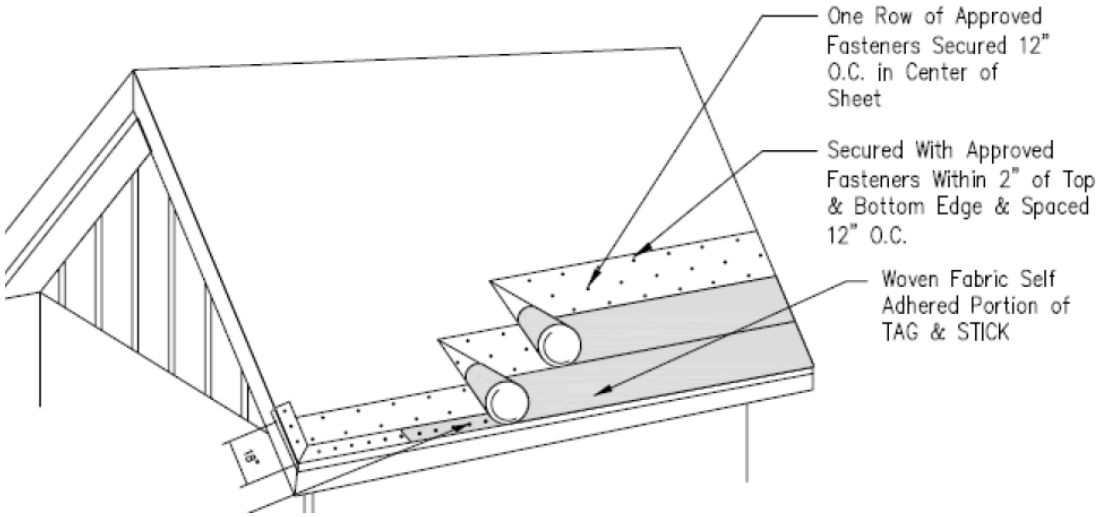
5.6 For installations under foam-on tile systems, attach the base layer of Tag & Stick MTP using 12 ga. annular ring shank nails with $1^{5}/_{8}$-inch diameter tin-caps spaced as follows to meet project design pressure requirements determined in accordance with FBC 1609.1.5 or FRSA/TRI 07320/8-05, Tables 2A through 3D.

5.6.1 Deck: Min. 15/32-inch plywood to meet project requirements to satisfaction of AHJ.

Tag & Stick MTP: Fasten the nailable portion as follows, where "Top Edge" reflects the row within 2-inches of the top edge of the sheet, "Bottom Edge" reflects the row within 2-inches of the lap-line (surface fabric), and "Center" reflects the row(s) between the edge rows.

Design Pressure (psf)	Top Edge (inch o.c.)	Bottom Edge (inch o.c.)	Center	
			# of rows	Spacing (inch o.c.)
$0 < P \leq 45$	12	12	1	12
$45 < P \leq 70$	6	6	1	6
$70 < P \leq 105$	6	6	2	6

The example drawing below reflects attachment for design pressure $0 < P \leq 45$ psf.



Fasten the 6-inch end (vertical) laps 6-inch o.c. Apply the self-adhering portion atop the nailed portion and walk-in / roll-in per Tag & Stick, LLC. published instructions.

5.7 Exposure Limitations:

5.7.1 Tag & Stick MTP shall not be left exposed for longer than 90-days after installation.

5.8 For tile roof installations governed by the FRSA/TRI 07320/8-05 Installation Manual, Fourth Edition, use is limited to the following.

Table 2: Tile System Options per FRSA/TRI 07320/8-05				
System	**Underlay Option**	**Section**	**Reference**	**Underlayment**
System One: Mechanically Fastened Tile, Unsealed or Sealed Underlayment System	6	3.02F	No. 30 / Self-Adhered Underlayment	Tag & Stick MTP
System Two: Mechanically Fastened Tile, Sealed Underlayment System	5	3.02E	No. 30 / Self-Adhered Underlayment	Tag & Stick MTP
System Four "A": Adhesive-Set Tile, Unsealed or Sealed Underlayment System	5	3.02E	No. 30 / Self-Adhered Underlayment	Tag & Stick MTP
System Four "B": Adhesive-Set Tile, Sealed Underlayment System	4	3.02D	No. 30 / Self-Adhered Underlayment	Tag & Stick MTP

6. INSTALLATION:

6.1 Tag & Stick MTP shall be installed in accordance with Tag & Stick, LLC. published installation requirements subject to the Limitations set forth in Section 5 herein and the specifics noted below, and the attached Tag & Stick MTP published details.

6.2 Re-fasten any loose decking panels, and check for protruding nail heads. Sweep the substrate thoroughly to remove any dust and debris prior to application.

6.3 Fasteners:

6.3.1 For use within mechanically attached prepared roof assemblies in non-HVHZ jurisdictions, corrosion resistant fasteners shall be 12 ga. annular ring shank nails with 1-5/8" diameter tin-caps or 1-inch diameter round cap nails.

6.3.2 For use within adhesive-set tile roof systems, corrosion resistant fasteners shall be 12 ga. annular ring shank nails with 1-5/8" diameter tin-caps.

6.4 Installation:

6.4.1 Starter Course: Apply 18-inch wide half-sheet (the nailable portion of Tag & Stick MTP) parallel to the eave and fasten 12-inch o.c. at a row within 2-inches of the top edge, 12-inch o.c. at a row 9-inches from the top edge and 6-inch o.c. at 6-inch wide end (vertical) laps. Tack-down the eave edge sufficiently to hold in place prior to installation of the edge metal detail.

6.4.2 Subsequent Courses: Align and apply subsequent courses overlapping the previous course or starter course with the 18-inch wide self-adhering portion of the sheet. Do not remove plastic release film until nailable portion is fastened. Fasten nailable portion 12-inch o.c. at a row within 2-inches of the top edge of the sheet, 12-inch o.c. at a row within 2-inches of the lap-line (surface fabric) and 12-inch o.c. at one row centered between the top and bottom rows. Fasten 6-inch end (vertical) laps 6-inch o.c. Remove plastic release film and step-in / roll-in in accordance with Tag & Stick, LLC. published instructions.

6.5 For use in tile roof applications, tile shall be staged so as to avoid slippage and/or damage to the roof underlayment.

7. LABELING:

Each unit shall bear a permanent label with the producer's name or logo, city, state and requirements of the Accredited Quality Assurance Agency noted herein.

8. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction in order to properly evaluate the installation of this product.

9. MANUFACTURING PLANTS:

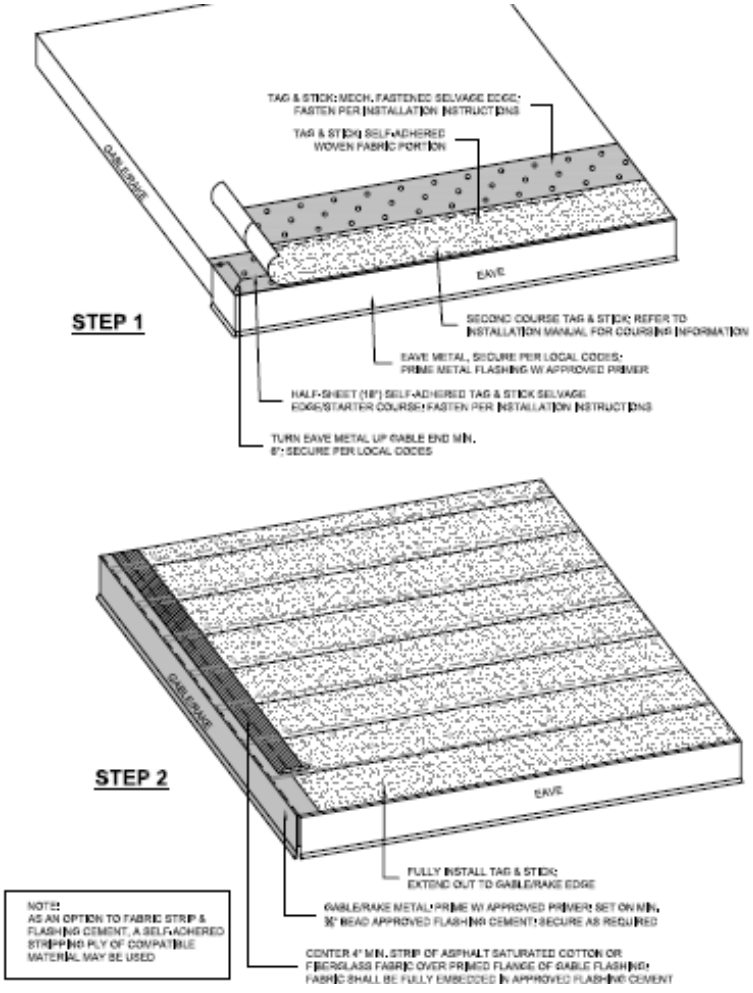
Contact the manufacturer or the named QA entity for information on plants covered under Rule 9N-3 QA requirements.

10. QUALITY ASSURANCE ENTITY:

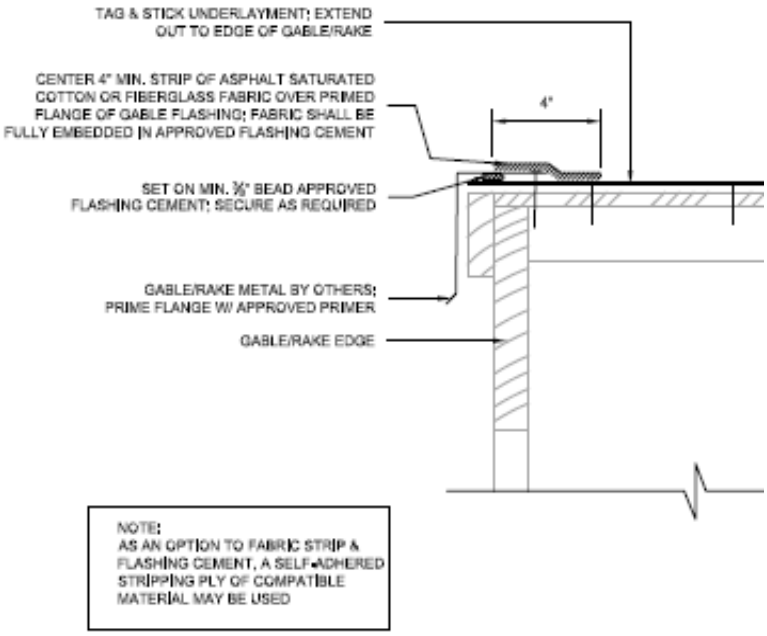
UL LLC– QUA9625; (314) 578-3406; k.chancellor@us.ul.com

11. DETAIL DRAWINGS:

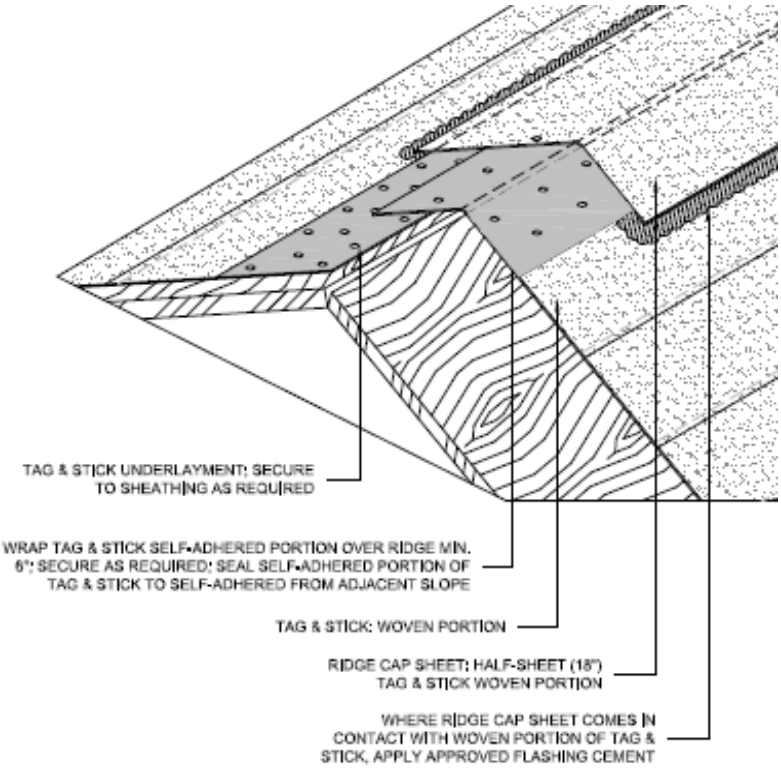
11.1 Gable / Eave Transition:



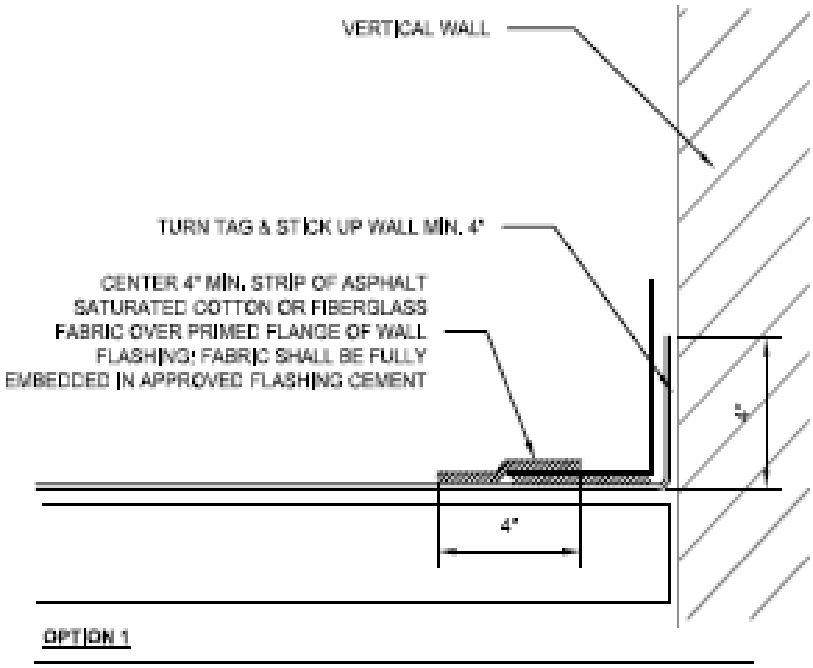
11.2 Gable Edge:



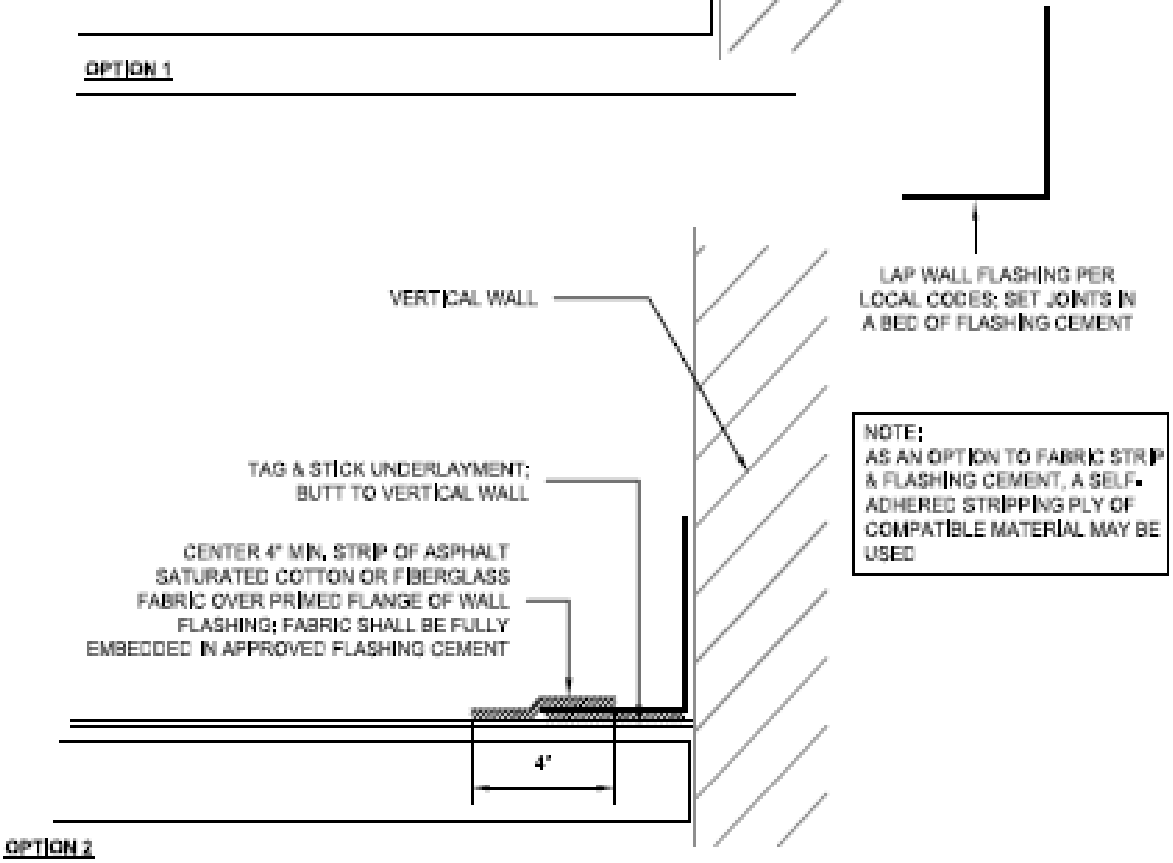
11.5 Ridge Detail:



11.3 Wall Step Flashing (Options 1 and 2):

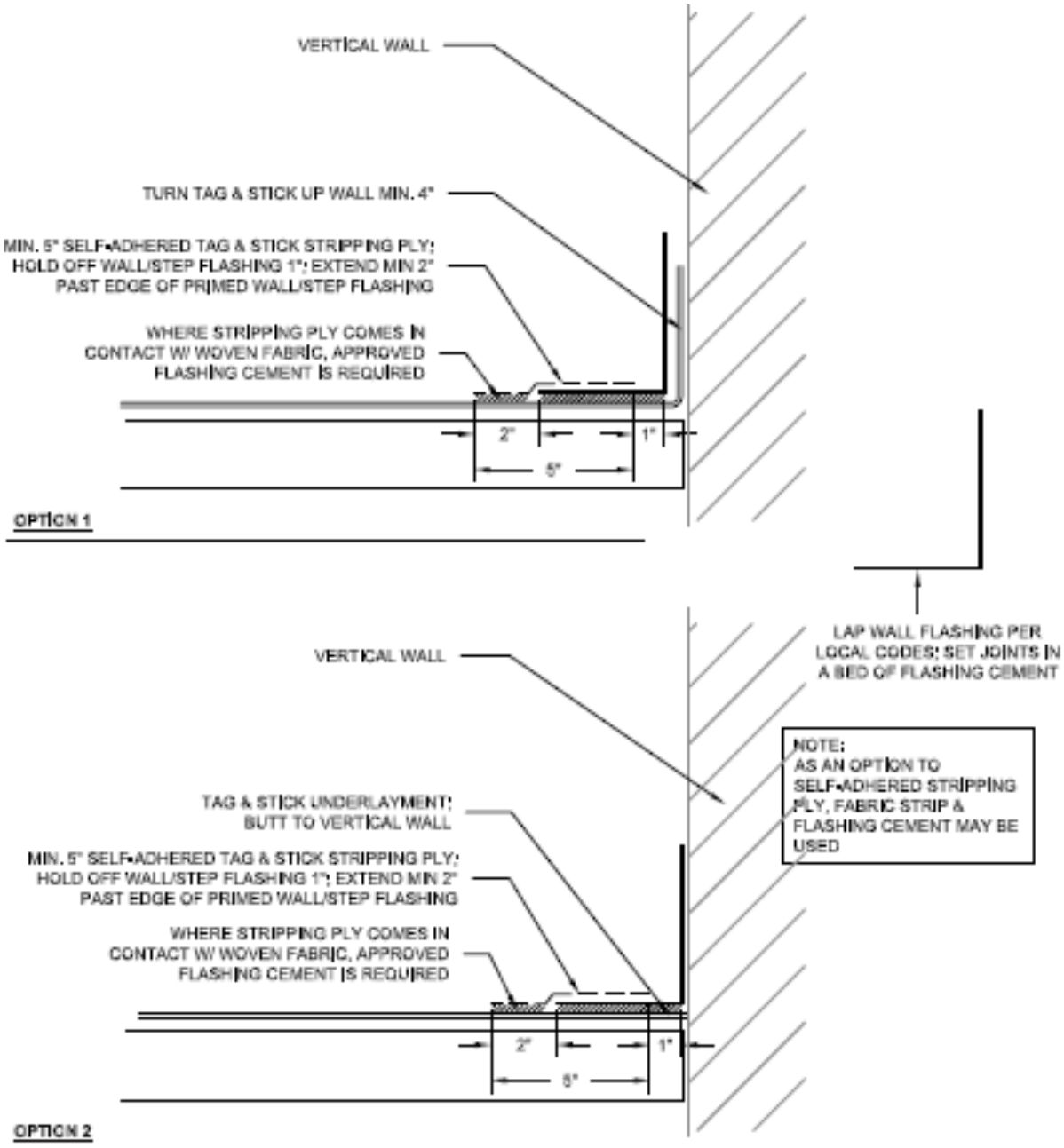


OPTION 1

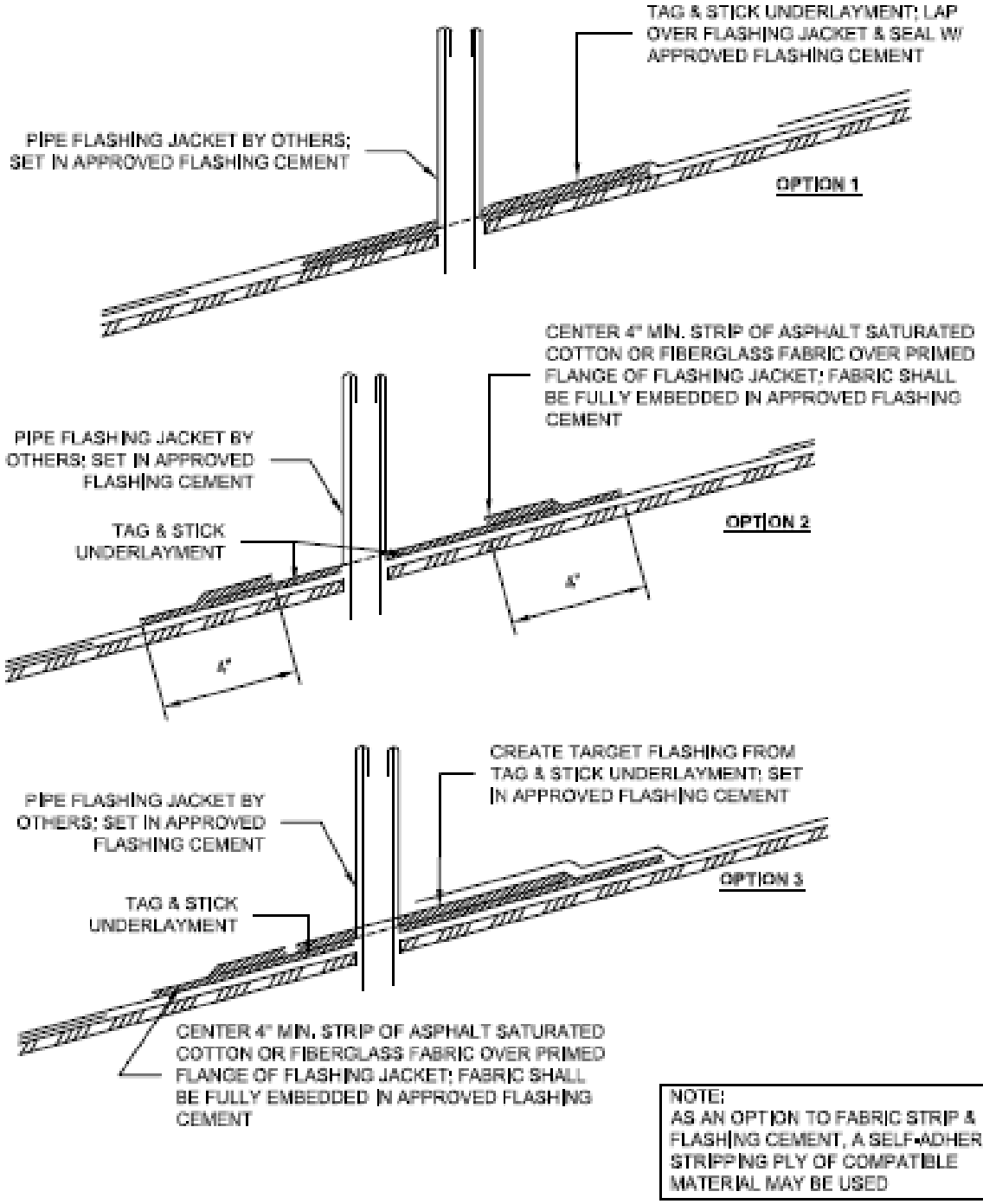


OPTION 2

11.4 Wall Step Flashing Alternate (Options 1 and 2):



11.6 Roof Penetrations:



- END OF EVALUATION REPORT -