



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
 PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DECRA Roofing Systems Inc.
1230 Railroad St.
Corona, CA 92882

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: DECRA Roof Systems: DECRA Tile, DECRA Shake, DECRA Villa Tile, DECRA Shake XD™, and DECRA Shingle XD™

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA 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 NOA renews and revises NOA 14-0127.06 and consists of pages 1 through 14.
 The submitted documentation was reviewed by Juan E. Collao, R.A.



NOA No. 14-1224.12
 Expiration Date: 01/25/19
 Approval Date: 02/05/15
 Page 1 of 14

ROOFING SYSTEM APPROVAL:	
Category:	Roofing
Sub-Category:	Non-Structural Metal Roofing
Material:	Steel
Deck Type:	Wood
Maximum Design Pressure (MDP):	See Assembly Systems Reference Table

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:			
Product	Dimensions	Test Specifications	Product Description
DECRA Tile	Width = 16 ½" Length = 52 ¼" Thickness = 0.0179" min. Min. Yield Strength: 44.2 ksi.	TAS 110	ASTM A792 AZ50, corrosion resistant, coated, preformed, metal panels in a tile profile.
DECRA Shake	Width = 14 ¼" Length = 53 ¾" Thickness = 0.0179" min. Min. Yield Strength: 44.2 ksi.	TAS 110	ASTM A792 AZ50, corrosion resistant, coated, preformed, metal panels simulating a shake profile.
DECRA Villa Tile	Width = 17" Length = 44 ¾" Thickness = 0.0179" min. Min. Yield Strength: 44.2 ksi.	TAS 110	ASTM A792 AZ50, corrosion resistant, coated, preformed, metal panels simulating a Spanish clay tile profile.
DECRA Shake XD™	Width = 14 ⅛" Length = 52 ½" Thickness = 0.0179" min. Min. Yield Strength: 44.2 ksi.	TAS 110	ASTM A792 AZ50, corrosion resistant, coated, preformed, metal panels simulating a shake profile.
DECRA Shingle XD™	Width = 14 ⅛" Length = 52 ½" Thickness = 0.0179" min. Min. Yield Strength: 44.2 ksi.	TAS 110	ASTM A792 AZ50, corrosion resistant, coated, preformed, metal panels simulating a shingle profile.
Trim Pieces	Width = Varies Length = Varies Thickness = 0.0179" min.	TAS 110	Standard flashing and trim pieces

MANUFACTURING LOCATION:	
1.	Corona, CA.



EVIDENCE SUBMITTED:			
Test Agency	Test Identifier	Test Name /Report	Date
Underwriters Laboratories Inc.	07NK22905	TAS 125	06/18/08
	07NK22905	TAS 125	06/19/08
	07NK22905	TAS 125	06/20/08
	07NK22905	TAS 125	11/12/07
	07NK09386	TAS 125	05/21/07
	06NK07480	TAS 125	05/02/06
	06NK07480	TAS 125	04/13/06
	06NK07480	TAS 125	04/12/06
	10NK11704	UL 790	09/04/10
PRI Construction Materials Technologies	DECR-001-02-01	TAS 100	04/13/07
	DECR-004-02-01	TAS 100	01/22/10
	DECR-021-02-01	ASTM G155	12/22/14
	DECR-022-02-01	ASTM B 117	12/22/14
	DECR-024-02-01	TAS 100	12/22/14
	TARI-005-02-01	TAS 100	03/01/03
	TARI-006-02-01	TAS 100	03/01/03

ASSEMBLY SYSTEMS REFERENCE TABLE:			
System Type	Description	MDP (psf)	
		<i>Field</i>	<i>Perimeter & Corner</i>
A(1)	DECRA Shake, DECRA Tile (<i>installed on wood battens</i>)	-86	-153.5
A(2)	DECRA Villa Tile	-76.5	-153
A(3)	DECRA Shake XD™ & DECRA Shingle XD™ (<i>direct to deck</i>)	-74.75	-153.5



APPROVED ASSEMBLIES:	
System A(1):	DECRA Shake, DECRA Tile (<i>installed on wood battens</i>)
Deck Type 1:	Wood, Non-insulated
Deck Description:	New Construction ¹⁹ / ₃₂ " or greater plywood or wood plank, or for re-roofing ¹⁵ / ₃₂ " or greater plywood.
Slope Range:	3:12 or greater
Maximum Uplift Pressure:	See Fastening Options Below
Deck Attachment:	In accordance with applicable Building Code, but in no case shall it be less than # 8 x 2-3/8" long ring shank nails spaced 6" o.c. In reroofing, where the deck is less than ¹⁹ / ₃₂ " thick (Minimum ¹⁵ / ₃₂ "), the above attachment method must be in addition to existing attachment.
Underlayment:	Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 12 gauge 1 1/4" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any Miami-Dade County Product Control Approved underlayment having a current NOA.
Fire Barrier Board:	Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation #1.
Eave Termination:	Eave metal drip edge shall be installed in a 1/2" continuous bed of an approved sealant with sealed laps. Eave metal drip edge shall be fastened to deck at 4" o.c. in accordance with RAS 111.
Valleys:	Valley construction shall be as detailed in DECRA Roofing Systems Inc.'s current published specifications, and in compliance with the minimum requirements provided in RAS 133.
Metal Panels and Accessories:	Install "DECRA Shake or DECRA Tile" and accessories in compliance with DECRA Roofing Systems Inc.'s current, published installation instructions and details. Flashing, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in RAS 133.
Field Condition:	Install minimum 2" x 2" wood battens over underlayment, running perpendicular to the roof slope, at a maximum spacing of 12 ⁵ / ₈ " for the DECRA Shake, or 14 1/2" o.c. for the DECRA Tile. Attach wood battens through deck to wood trusses spaced 24" o.c. with one approved #9 x 3 1/2" coated all-purpose steel exterior wood screw per intersection with wood truss. Panels fastened to battens with approved # 8 x 1 1/2" long screws and bonded washer driven into the (lower) butt edges course and upper edge of adjacent lower course spaced 12" o.c. Four (4) approved screws for each full panel. See Figure 1.
Maximum Design Pressure for Field Condition:	-86 psf. (See General Limitation #2)

(Continued on next page)



<p><i>Perimeter and Corner Condition:</i></p>	<p>Install minimum 2" x 2" wood battens over underlayment, running perpendicular to the roof slope, at a maximum spacing of 12 ⁵/₈" for the DECRA Shake, or 14 ¹/₂" o.c. for the DECRA Tile. Attach wood battens through deck to wood trusses spaced 24" o.c. with two (2) approved #9 x 3 ¹/₂" coated all-purpose steel exterior wood screws per intersection with wood truss. Also attach wood battens to the deck with one #8 x 2 ¹/₂" long coated all-purpose exterior wood screws, one screw in the middle of each space between the wood trusses.</p> <p>Panels fastened to battens with approved # 8 x 1 ¹/₂" long hex head screws # 8 x 1 ¹/₂" long screws and bonded washer driven into the (lower) butt edges course and upper edge of adjacent lower course spaced 7" o.c. Seven (7) approved screws for each full panel. See Figure 2.</p>
<p><i>Maximum Design Pressure for Perimeter And Corner Condition:</i></p>	<p>-153.5 psf. (See General Limitation #2)</p>



System A(2):	DECRA Villa Tile
Deck Type 1:	Wood, Non-insulated
Deck Description:	New Construction ¹⁹ / ₃₂ " or greater plywood or wood plank, or for re-roofing ¹⁵ / ₃₂ " or greater plywood.
Slope Range:	2:12 or greater
Maximum Uplift Pressure:	See Fastening Options Below
Deck Attachment:	In accordance with applicable Building Code, but in no case shall it be less than #8 x 2 ½" ring shank nails spaced 6" o.c. In reroofing, where the deck is less than ¹⁹ / ₃₂ " thick (Minimum ¹⁵ / ₃₂ "), the above attachment method must be in addition to existing attachment.
Underlayment:	Minimum underlayment shall be an ASTM D226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 12 gauge 1 ¼" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any Miami-Dade County Product Control Approved underlayment having a current NOA.
Fire Barrier Board:	Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation #1.
Eave Termination:	Eave metal drip edge shall be installed in a ¹ / ₈ " continuous bed of approved ASTM D4586 flashing cement with sealed laps. Eave metal drip edge shall be fastened to deck at 4" o.c. in accordance with RAS 111.
Valleys:	Valley construction shall be as detailed in DECRA Roofing Systems Inc.'s current published specifications, and in compliance with the minimum requirements provided in RAS 133.
Metal Panels and Accessories:	Install the "DECRA Villa Tile" and accessories in compliance with DECRA Roofing Systems Inc.'s current published installation instructions and details. Flashing, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in RAS 133.
Field Condition:	<p>Panels fastened to the deck with approved #12 x 1 ½" long hex head screws spaced 10" o.c. (One screw per shingle fastening tab). Four (4) approved screws for each full panel. Fasteners shall be long enough to penetrate through the sheathing a minimum of 3/16". See Figure 3 and Figure 4.</p> <p><i>Note: Tabs must be put in the down position before installing. (See Detail Drawings for "Villa Tile Installation").</i></p>
Maximum Design Pressure for Field Condition:	-76.5 psf. (See General Limitation #2)

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<p><i>Perimeter and Corner Condition:</i></p>	<p>Install minimum 1" x 4" wood battens over underlayment, running perpendicular to the roof slope, at a maximum spacing of 14 ½" o.c. Attach wood battens through deck to wood trusses spaced 24" o.c. with two (2) approved #8 x 2 ½" long coated all-purpose steel exterior wood screw per intersection with wood truss. Also attach wood battens to the deck with #8 x 2-1/2" long coated all purpose exterior wood screws, in between the trusses nominally at 10" o.c.</p> <p>Panels fastened to battens with approved #12 x 1 ½" long hex head screws spaced 10" o.c. (one screw per fastening tab) and one screw next to each fastening tab on both sides. Twelve (12) approved screws for each full panel. See Figure 3 and Figure 4.</p> <p>Install two approved #8 x ¾" long steel pan head zip screws 4" o.c. at each shingle peak to fasten shingle courses together for a total of eight fasteners per panel.</p> <p>Fasteners shall be long enough to penetrate through the sheathing a minimum of 3/16".</p>
<p><i>Maximum Design Pressure for Perimeter And Corner Condition:</i></p>	<p>-153 psf. (See General Limitation #2)</p>



System A(3):	DECRA Shake XD™ & DECRA Shingle XD™ (<i>direct to deck</i>)
Deck Type 1:	Wood, Non-insulated
Deck Description:	New Construction ¹⁹ / ₃₂ " or greater plywood or wood plank, or for re-roofing ¹⁵ / ₃₂ " or greater plywood.
Slope Range:	2:12 or greater
Maximum Uplift Pressure:	See Fastening Options Below
Deck Attachment:	In accordance with applicable Building Code, but in no case shall it be less than # 8 x 2 ½" ring shank nails spaced 6" o.c. In reroofing, where the deck is less than ¹⁹ / ₃₂ " thick (Minimum ¹⁵ / ₃₂ "), the above attachment method must be in addition to existing attachment.
Underlayment:	Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 12 gauge 1 ¼" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any Miami-Dade County Product Control Approved underlayment having a current NOA.
Fire Barrier Board:	Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation #1.
Valleys:	Valley construction shall be as detailed in DECRA Roofing Systems Inc.'s current published specifications, and in compliance with the minimum requirements provided in RAS 133.
Metal Panels and Accessories:	Install the DECRA Shake XD™ or DECRA Shingle XD™ and accessories in compliance with DECRA Roofing Systems Inc.'s current, published installation instructions and details. Flashings, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in RAS 133.
Field Condition:	For starter panel installation see Perimeter and Corner Condition. Panels are installed from left to right. For panels above starting course, align the lap area with one of the notches in the rear of the clip of the lower course panel and push back until snug. Panels fastened to the wood deck with approved #8 x 1 ½" corrosion resistant hex head steel screws spaced at 10" o.c., driven into the pre-punched holes as shown in Figure 5. (One screw per shingle fastening location). Five (5) approved screws for each full panel. Fasteners shall be long enough to penetrate through the sheathing a minimum of 3/16".
Maximum Design Pressure for Field Condition:	-74.75 psf. (See General Limitation #2)

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Perimeter and Corner Condition:	<p>Install starter clip at the eave fastened to the wood deck with approved #8 x 1 ½” long corrosion resistant screws spaced 6” o.c. Panels are installed from left to right. For panels above starting course, align the lap area with one of the notches in the rear of the clip of the lower course panel and push back until snug.</p> <p>Panels fastened to the wood deck with approved #8 x 1 ½” long corrosion resistant screws spaced at 5” o.c. and driven into the pre-punched holes as shown in Figure 5. (One screw per shingle fastening location). Ten (10) approved screws for each full panel. Fasteners shall be long enough to penetrate through the sheathing a minimum of 3/16”.</p>
Maximum Design Pressure for Perimeter And Corner Condition:	-153.5 psf. (See General Limitation #2)

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
3. All panels shall be permanently labeled with the manufacturer’s name and/or logo, city and state of manufacturing facility, and the following statement: “Miami-Dade County Product Control Approved” **or** with the Miami-Dade County Product Control Seal as seen below. All clips (if applicable) shall be permanently labeled with the manufacturer’s name and/or logo, and/or model.

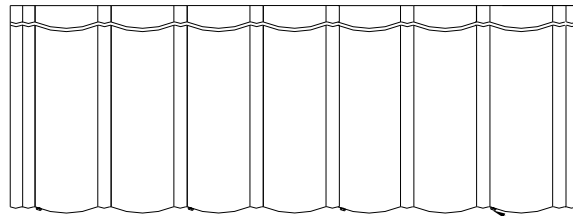


4. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.
5. Any modifications to this Notice of Acceptance shall void such approval.

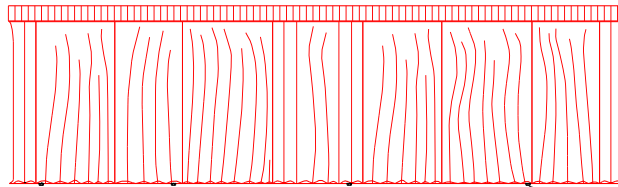


DETAIL DRAWINGS

FIGURE 1
FASTENER LOCATIONS
DECRA TILE AND DECRA SHAKE
A(1) FIELD CONDITIONS

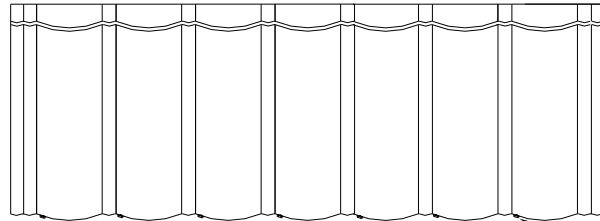


Approximate fastener locations
(4 per full panel) on front
portion of panel.

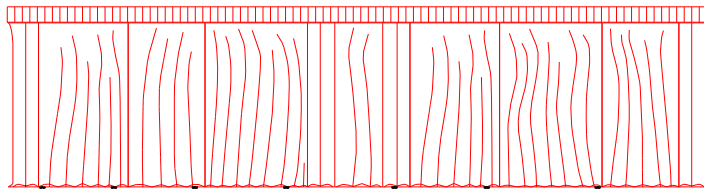


Approximate fastener
locations (4 per full panel) on
front portion of panel.

FIGURE 2
FASTENER LOCATIONS
DECRA TILE AND DECRA SHAKE
A(1) PERIMETER & CORNER CONDITIONS

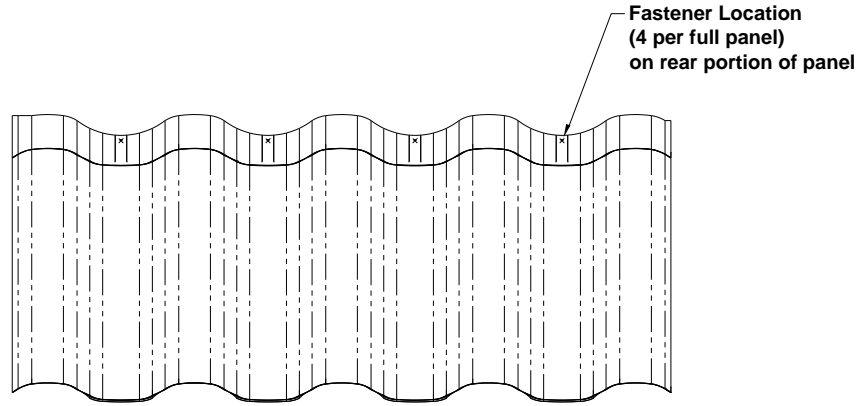


Approximate fastener locations
(7 per full panel) on front
portion of panel.

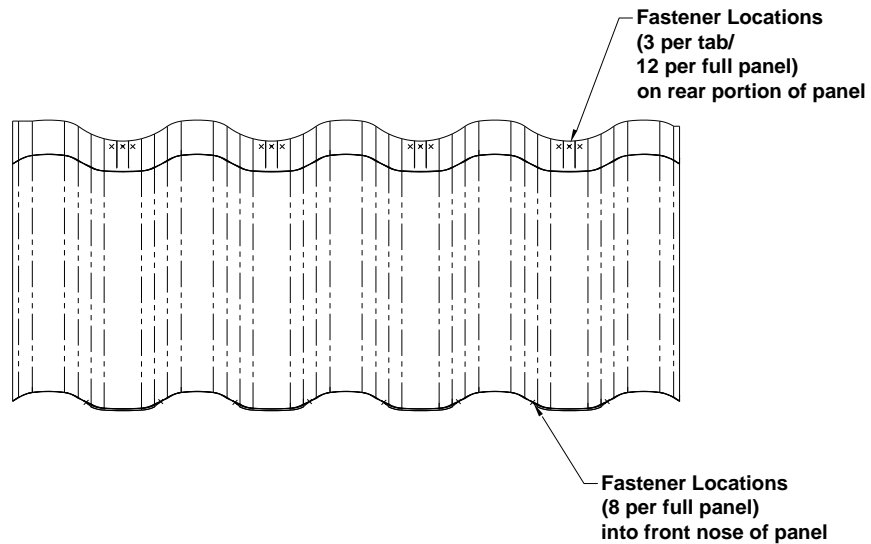


Approximate fastener
locations (7 per full panel) on
front portion of panel.

FIGURE 3
FASTENER LOCATIONS
DECRA VILLA TILE
A(2) DECK



FIELD CONDITION



PERIMETER AND CORNER CONDITION

FIGURE 4
INSTALLATION DETAIL
DECRA VILLA TILE
A(2) DECK

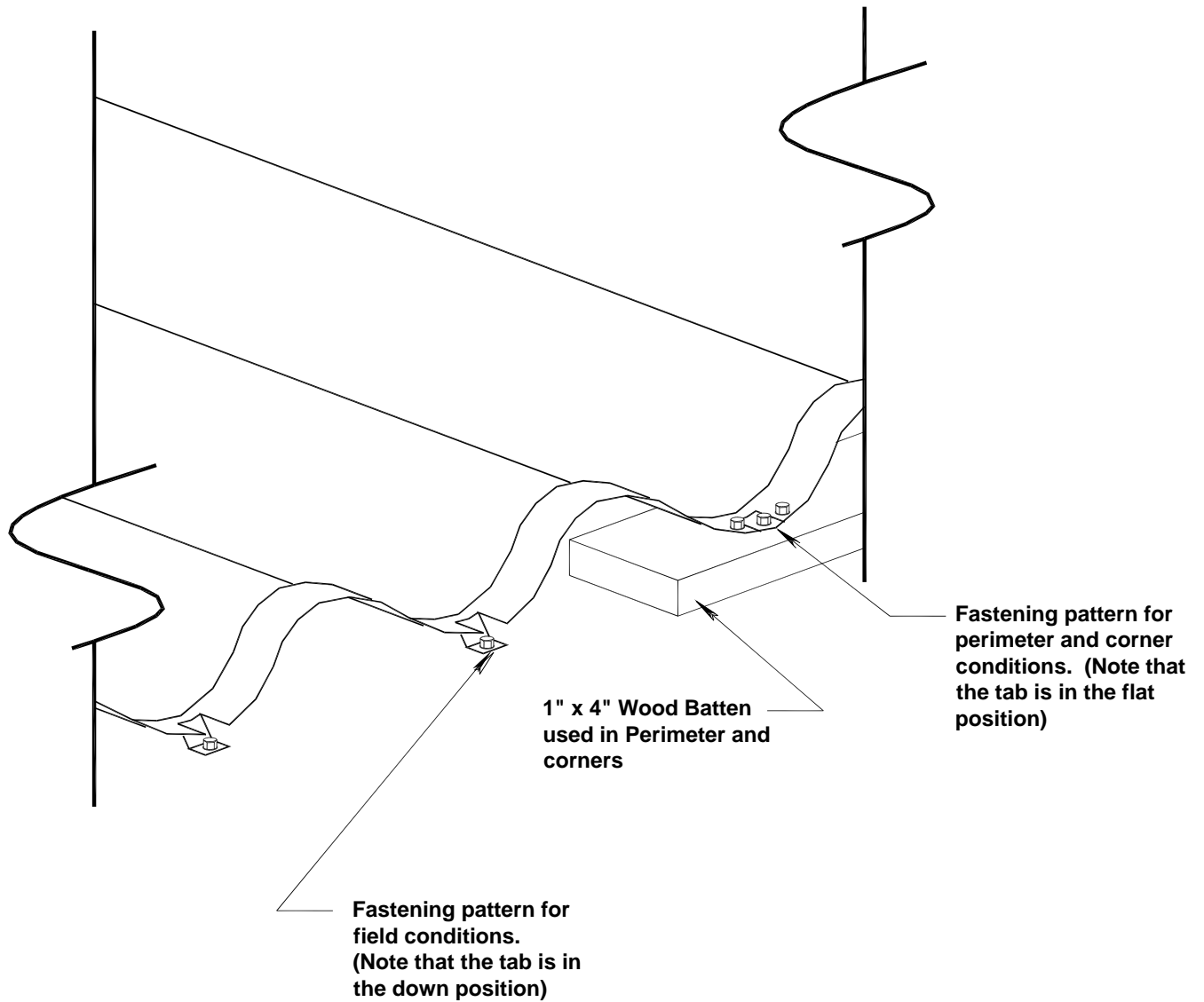
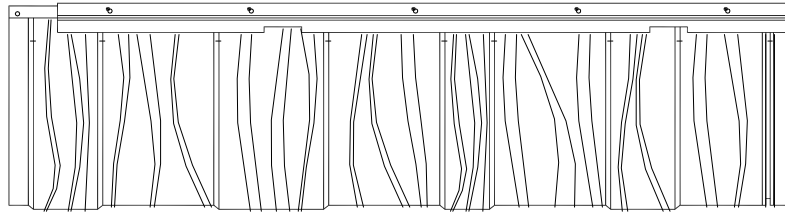
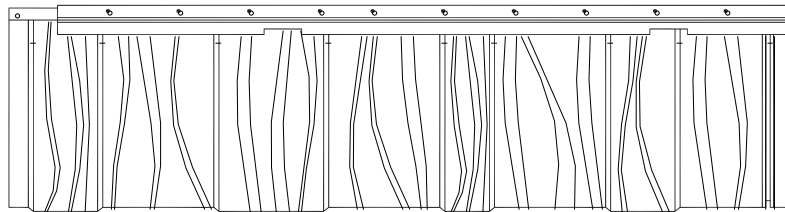


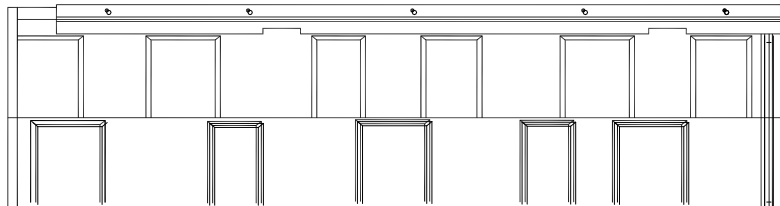
FIGURE 5
FASTENER LOCATIONS
DECRA SHAKE XD AND DECRA SHINGLE XD
A(3) DECK



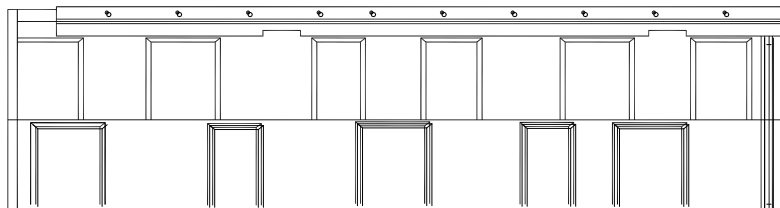
DECRA Shake XD Field Condition Fastening Pattern



DECRA Shake XD Perimeter and Corner Condition Fastening Pattern



DECRA Shingle XD Field Condition Fastening Pattern



DECRA Shingle XD Perimeter and Corner Condition Fastening Pattern

END OF THIS ACCEPTANCE

