



BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

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/building/

NOTICE OF ACCEPTANCE (NOA)

Innovative Distribution LLC, DBA J.M. Metals
1505 Cox Rd.
Cocoa, FL. 32926

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 BNC - 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. BNC 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: Nordman Tile Metal Roof

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 renews NOA# 09-1105.01 and consists of pages 1 through 9.
The submitted documentation was reviewed by Alex Tigera.



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Approval Date: 04/21/11
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ROOFING SYSTEM APPROVAL:

Category: Roofing
Sub-Category: Metal, Panels(Non-Structural)
Material: Steel
Deck Type: Wood
Maximum Design Pressure -136.75 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Nordman™ Panel	l = 50' max w = 44 - 1/4"	TAS 110	Hot dipped galvanized (G-90) Kynar or PVC coated steel, clay-tile-look roofing panels.
Trim pieces	L=varies W=varies	TAS 110	Galvanized (G-90) Kynar or PVC coated.
HYLAR 5000™/KYNAR 500	N/A	TAS 110	Corrosion resistant flourocarbon coating.
PLASTISOL	N/A	TAS 110	Corrosion resistant Polyvinyl Chloride (PVC) coating.

MANUFACTURING LOCATION:

- Cocoa, FL.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Underwriter Laboratories, Inc.	98RT4631	UL 580	06/01/98
Hurricane Test Laboratory, LLC.	0197-0916-05 0197-0916-05	TAS-125	02/19/07 02/01/06
PRI Construction Materials	SPSI-001-02-01	TAS 100	05/07/07
Construction Research Laboratory, Inc.	5855	Wind Driven Rain Test and Static Uplift Test	06/01/93
Valspar Corporation	Weathering Testing	ASTM G 23	05/10/06
Ramtech Laboratories, Inc.	IC-1303-94	Wind Uplift Resistance	11/01/94
Valspar Corporation	Salt Spray Testing	ASTM B 117	05/01/06



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APPROVED ASSEMBLIES

System A-1.1: Nordman™ Tile
Deck Type: Wood, Non-insulated
Deck Description: New Construction or 19/32" or greater plywood or wood plank or Re-roof 15/32" plywood.
Slope Range: 2":12" or greater
Maximum Uplift Pressure: See Maximmm Design Pressures Listed Below.

Deck Attachment: In accordance with applicable building code, but in no case shall it be less than #8 x 2" 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.

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with Innovative Distribution LLC, DBA J.M. Metals' current published installation instructions.

Battens: (Optional) Install nominal 1" x 4" battens pressure treated LP 2 or decay resistant lumber over underlayment at a maximum spacing of 13 3/4" using minimum of two #8-10 x 2 1/2" bugle head screws spaced 12" o.c. and at 1/2" from each end.

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.

Metal Panels and Accessories: Install the Nordman Tile™ Panel and accessories in compliance with Innovative Distribution LLC, DBA J.M. Metals current, published installation instructions and details. Flashing, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standard RAS 133.

Side laps are secured at each vertical tile step width one #9 metal/wood fastener with color match cap and concealed 0.60 neoprene washers, of sufficient length to penetrate through the sheathing a minimum of 3/16".

Fasteners shall be a minimum of #9 hex head metal/wood fasteners with color match cap and concealed 0.60 neoprene washers, of sufficient length to penetrate through the sheathing a minimum of 3/16", at a spacing not to exceed 14" o.c. Fasteners shall be placed in accordance with fastener detail herein as follows:

- Field Condition:** See Profile Drawings Detail A herein.
Maximum Design Pressure shall be -54.25 psf. (See System Limitation #2)
- Perimeter and Corner Condition:** See Profile Drawings Detail B herein.
Maximum Design Pressure shall be -136.75 psf. (See System Limitation #2)



System A-1.2: Nordman™ Tile
Deck Type: Wood, Non-insulated
Deck Description: New Construction or 19/32" or greater plywood or wood plank or Re-roof 15/32" plywood.
Slope Range: 2":12" or greater
Maximum Uplift Pressure: See Maximum Design Pressures Listed Below.

Deck Attachment: In accordance with applicable building code, but in no case shall it be less than #8 x 2" 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.

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with Innovative Distribution LLC, DBA J.M. Metals' current published installation instructions.

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.

Metal Panels and Accessories: Install the Nordman Tile™ Panel and accessories in compliance with Innovative Distribution LLC, DBA J.M. Metals current, published installation instructions and details. Flashing, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standard RAS 133.

Side laps are secured at each vertical tile step width one #9 metal/wood fastener with color match cap and concealed 0.60 neoprene washers, of sufficient length to penetrate through the sheathing a minimum of 3/16".

Fasteners shall be a minimum of #9 hex head metal/wood fasteners with color match cap and concealed 0.60 neoprene washers, of sufficient length to penetrate through the sheathing a minimum of 3/16", at a spacing not to exceed 14" o.c. Fasteners shall be place in accordance with fastener detail herein as follows:

Field Condition: See Profile Drawings Detail A herein.
Maximum Design Pressure shall be -99.25 psf. (See System Limitation #2)

Perimeter and Corner Condition: See Profile Drawings Detail C herein.
Maximum Design Pressure shall be -106.75 psf. (See System Limitation #2)



SYSTEM LIMITATIONS

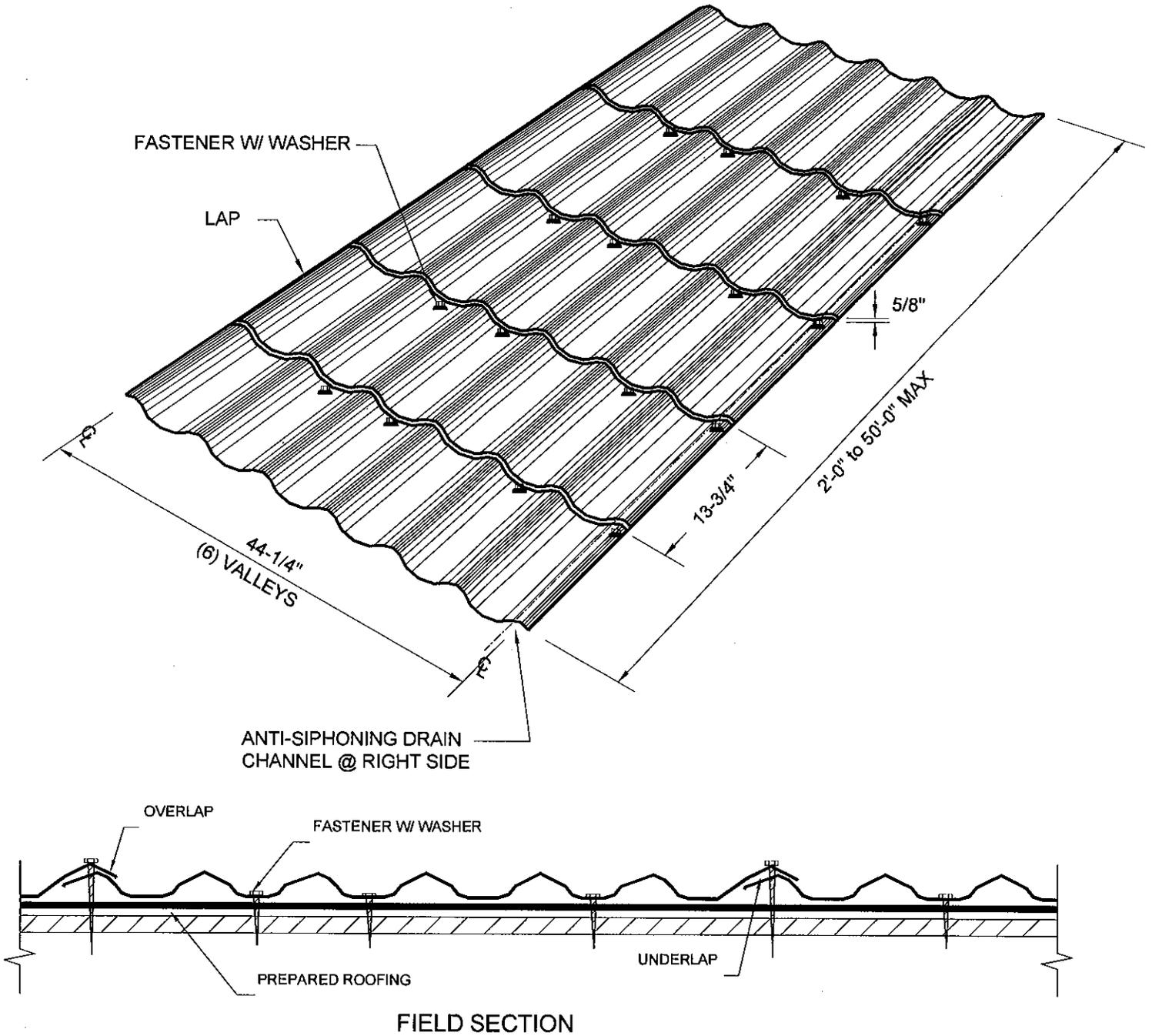
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, 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, and the following statement: "Miami-Dade County Product Control Approved" or with the Miami-Dade County Product Control Seal as seen below. All clips 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 9B-72 of the Florida Administrative Code.



**PROFILE DRAWINGS
DETAIL A
(SYSTEM A-1.1 AND A-1.2 FIELD CONDITION)**

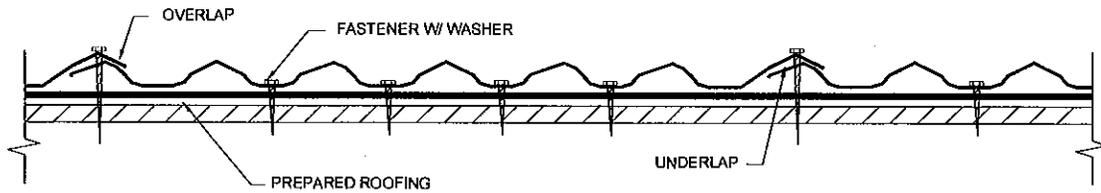
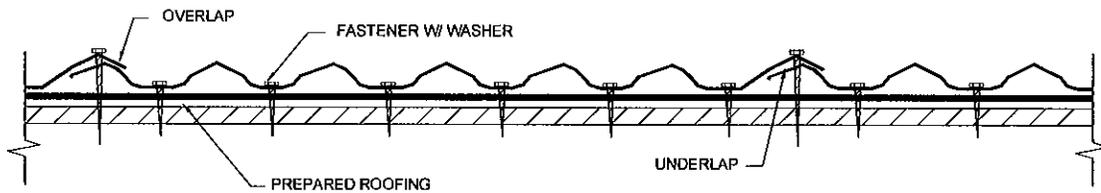
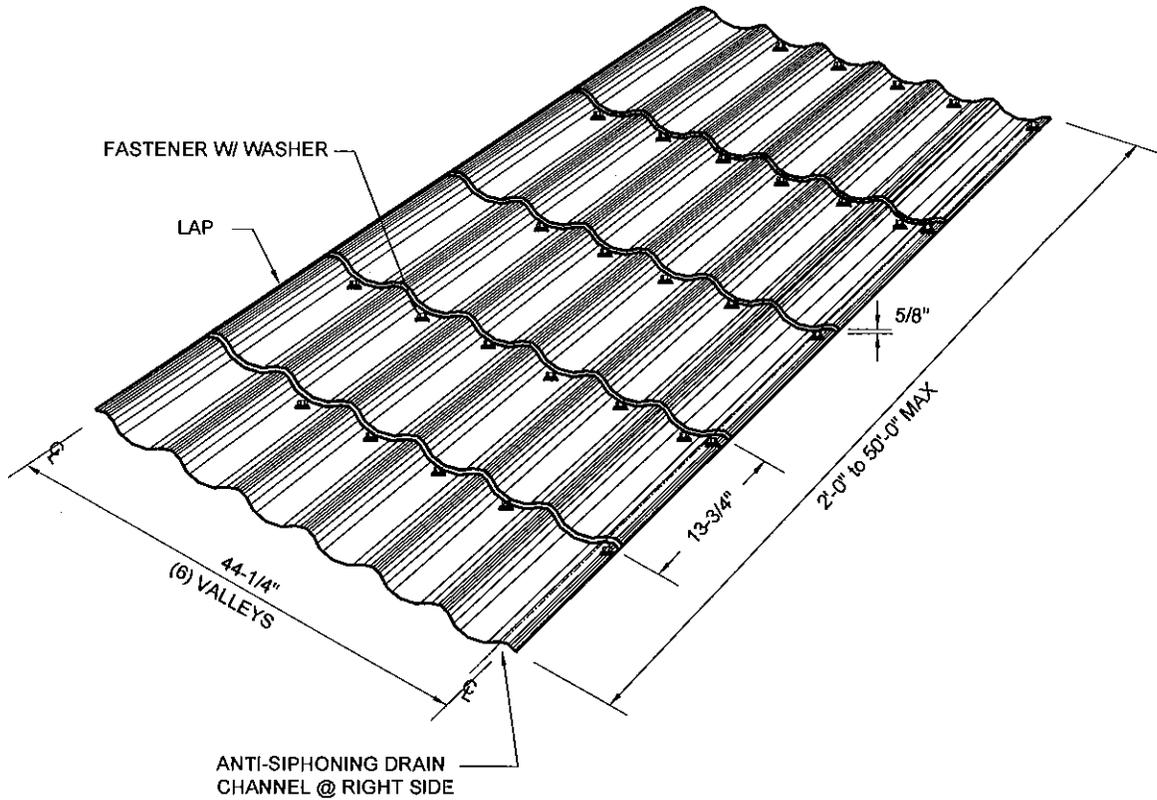


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**PROFILE DRAWINGS CONT.
 DETAIL B
 (SYSTEM A-1.1 PERIMETER AND CORNER CONDITION)**



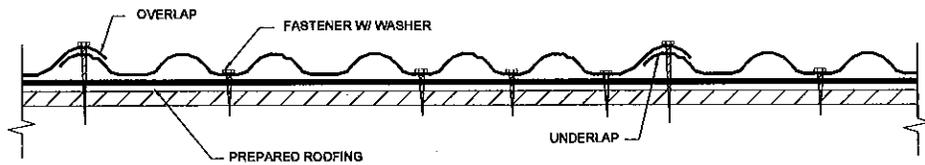
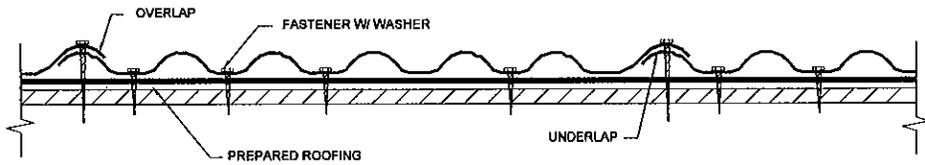
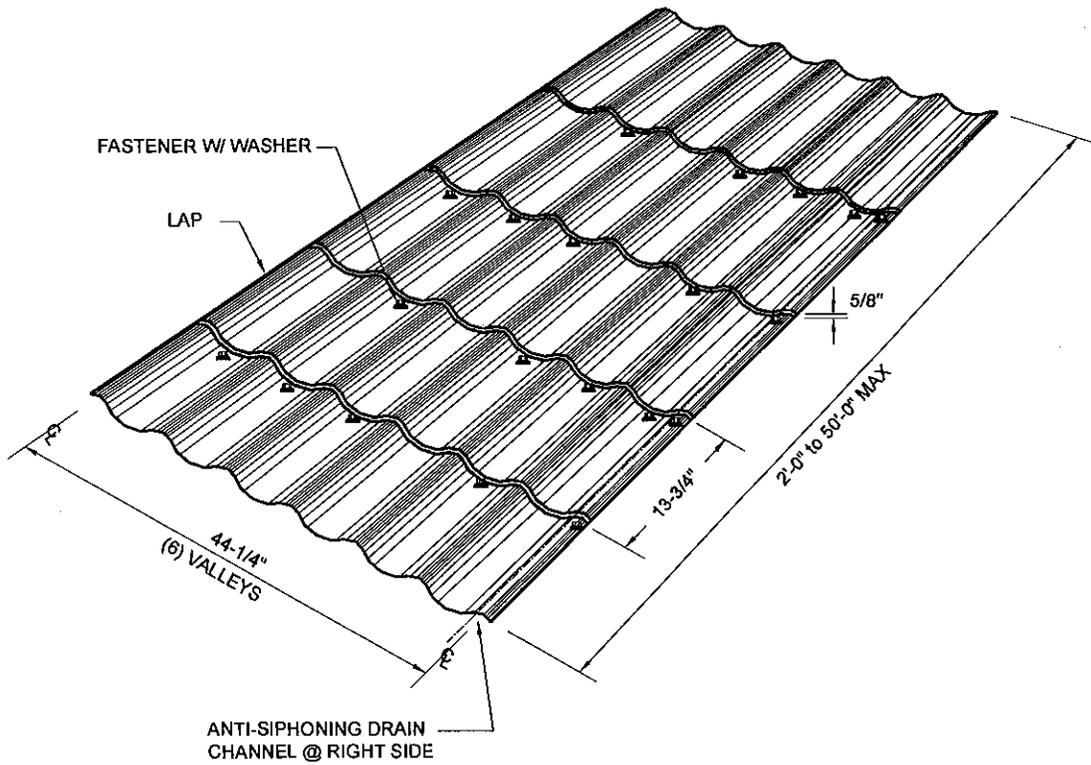
Every other vertical step shall be fastened with this pattern

NORDMAN TILE



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**PROFILE DRAWINGS CONT.
 DETAIL C
 (SYSTEM A-1.2 PERIMETER AND CORNER CONDITION)**



Every other vertical step shall be fastened with this pattern

**FASTENER DETAIL
 END OF THIS ACCEPTANCE**



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