

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) 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/economy

NOTICE OF ACCEPTANCE (NOA)

Holcim Solutions and Products US, LLC 26 Century Blvd. Suite 205 Nashville, TN 37214

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: (UC-6) Structural Standing Seam Roof Panel System

APPROVAL DOCUMENT: Drawing No. UC-6, titled "UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Johnathan Green, P.E., dated April 25, 2023, signed and sealed by Johnathan Green, P.E on April 25, 2023, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, Collage Park, GA; Anoka, MN; Las Vegas, NV; Warren, MI, and the 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 revises NOA #23-0112.01 and consists of this page 1, evidence submitted pages E-1, E-2, E-3 & E-4 as well as the approved document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMI-DADE COUNTY
APPROVED

Helg A. Mehr 05/30/24

NOA No. 23-0613.05 Expiration Date: 02/06/2028 Approval Date: 05/30/2024

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0509.12

A. DRAWINGS

1. Drawing No. UC-6, titled "Copper Sales, Inc. UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Terrence E. Wolfe, P.E., dated January 07, 2003, signed and sealed by Terrence E. Wolfe, P.E.

B. TESTS

- 1. Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G26-96, prepared by Asphalt Technologies, dated October 8, 2002, signed and sealed by Charles L. Thomas, P.E.
- 2. Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by Asphalt Technologies, dated October 8, 2002, signed and sealed by Charles L. Thomas, P.E.
- 3. Test report on Uplift Resistance Test per UL-580 Class 90, on 22 ga. (0.032") Standing Seam Roof Panel, prepared by Architectural Testing Report No. 01-38064.01, dated January 09, 2001, signed and sealed by Allen Reeves, P.E.
- 4. Susceptibility to leakage test in accordance with Miami-Dade County Protocol PA 114 Appendix G on 22 ga. (0.032") Standing Seam Roof Panel, prepared by Farabaugh Engineering and Testing, Inc. Report No. T200-00, dated September 27, 2000, signed and sealed by Daniel G. Farabaugh, P.E.
- 5. Wind Driven Rain Test in accordance with Miami-Dade County Protocol PA 100-95 on 22 ga. (0.032") Standing Seam Roof Panel, prepared by Architectural Testing Report No. 01-38064.01, dated January 09, 2001, signed and sealed by Allen Reeves, P.E.

C. CALCULATIONS

1. Calculations titled "UC-6 Structural Standing Seam Roof Panel", dated October 25, 2002, pages 1 through 11, prepared by Thomas M. Shingler, P.E., signed and sealed by Thomas M. Shingler, P.E.

D. MATERIAL CERTIFICATIONS

- 1. Mill Certified Test Report issued by Pacesetter Steel Service, Inc., dated 03/16/02, with chemical composition and mechanical properties of 22 ga. Coated G90 Commercial Steel.
- 2. Tensile Test Report No. 01-38064.03, prepared by Architectural Testing, dated January 18, 2001, signed and sealed by Allen Reeves, P.E.

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor

NOA No. 23-0613.05 Expiration Date: 02/06/2028

Approval Date: 05/30/2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 06-0821.07

A. DRAWINGS

- 1. Drawing No. UC-6, titled "UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Terrence E. Wolfe, P.E., dated January 07, 2003, signed and sealed by Terrence E. Wolfe, P.E on January 24, 2007.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Building Code Compliance Office.
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- 3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0822.02
- A. DRAWINGS
 - 1. None.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Building Code Compliance Office.
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- 4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #10-1214.04
- A. DRAWINGS
 - 1. Drawing No. UC-6, titled "UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Terrence E. Wolfe, P.E., dated April 24, 2013, signed and sealed by Terrence E. Wolfe, P.E on April 25, 2013.

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor

NOA No. 23-0613.05 Expiration Date: 02/06/2028

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

1. Test report on Uplift Resistance Test per UL-580 Class 90, on 22 ga. (0.032") Standing Seam Roof Panel, prepared by HTL Report No. 0227-0503-10, dated August 02, 2010, signed and sealed by Vinu j. Abraham, P.E.

C. CALCULATIONS

1. None.

D. **QUALITY ASSURANCE**

1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #17-1030.01

A. DRAWINGS

1. Drawing No. UC-6, titled "UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Terrence E. Wolfe, P.E., dated January 08, 2018, signed and sealed by Terrence E. Wolfe, P.E on January 17, 2018.

B. TESTS

1. Test report in accordance with TAS 125-03 per ASTM 1592-01, on 22 ga. (0.032") Standing Seam Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 56-01771-17A-C, dated 10/26/17, signed and sealed by Brandon Jasek, P.E.

C. CALCULATIONS

1. Calculations titled "UC-6 Structural Standing Seam Roof Panel", dated 11/09/17, 54 pages, prepared by Force Engineering & Testing, Inc., signed and sealed by Terrence E. Wolfe, P.E on November 09, 2017.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. FBC, 2017 Edition Compliance Letter prepared by Force Engineering & Testing, Inc., signed and sealed by Terrence E. Wolfe, P.E on November 09, 2017.

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #23-0112.01

A. DRAWINGS

1. Drawing No. UC-6, titled "UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Johnathan Green, P.E., dated January 24, 2023, signed and sealed by Johnathan Green, P.E on January 24, 2023.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. FBC, 2020 Edition Compliance Letter prepared by Force Engineering & Testing, Inc., signed and sealed by Johnathan Green, P.E on January 24, 2023.

7. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. UC-6, titled "UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Johnathan Green, P.E., dated April 25, 2023, signed and sealed by Johnathan Green, P.E on April 25, 2023.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

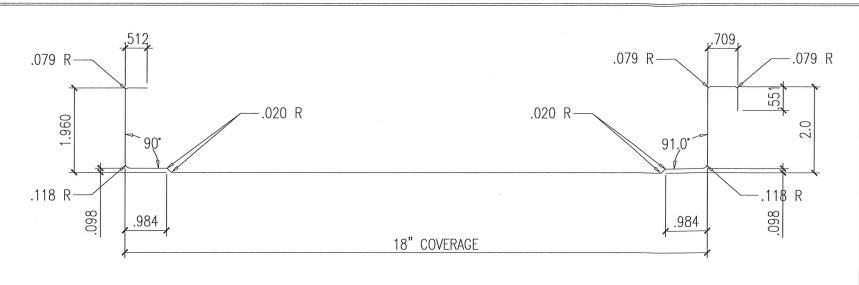
F. STATEMENTS

1. FBC, 2023 Edition Compliance Letter prepared by Force Engineering & Testing, Inc., signed and sealed by Johnathan Green, P.E on 02/12/24.

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor

NOA No. 23-0613.05

Expiration Date: 02/06/2028 Approval Date: 05/30/2024



UC-6 CROSS SECTION

PANEL PROPERTIES						
PANEL THICKNESS	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	STEEL COATING	PAINT COATINGS	
22 GA032' MIN. COATED	50 KSI	60	20	AZ 55	PVF2	

PANEL ACCESSORIES

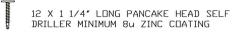
DYNAMIC FASTENERS 9911 E. 53RD. STREET RAYTOWN (K.C.) MO 64133



1/4-14 X 7/8° LONG HWH T-1 SCOTS SELF DRILLER W/BONDED NEOP. WASHER W/LONGLIFE COATING AND STAINLESS CAP



1/4-14 X 1 1/4" LONG HWH T-3 SELF DRILLER W/BONDED NEOP. WASHER W/LONGLIFE COATING

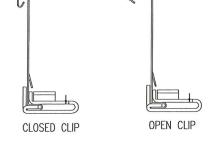




1/8" x 1" BUTYL TAPE #TC95-35 ISOBUTYLENE TRIPOLYMER TAPE







UC-6 CLIPS

LOCATION

DADE COUNTY, FLORIDA

- 1. ROOF PANEL: UC-6 22GA. STEEL, 18" MAX COVERAGE, 2" TALL STANDING SEAM RIB MECHANICALLY SEAMED TO DOUBLE LOCK 180 DEGREE SEAM.
- 2. THE MAXIMUM UPLIFT PRESSURE SHALL BE CALCULATED USING THE FOLLOWING ALLOWABLES.
- A) MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL AT SUPPORTS = 153.3 FT-LBS.
- B) MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL BETWEEN SUPPORTS = 110.5 FT-LBS.
- C) EI VALUE OF PANEL = 1,205,686 LB-IN 2
- D) MAXIMUM ALLOWABLE DEFLECTION OR ROOF PANEL = L/180
- E) MAXIMUM PANEL INTERIOR SUPPORT REACTION = 327.2 LBS.
- F) MAXIMUM PANEL EXTERIOR SUPPORT REACTION = 112.5 LBS.
- 3. MAXIMUM ALLOWABLE PANEL SPAN = 5'-0".
- 4. MAXIMUM ALLOWABLE SPANS AND PRESSURES:

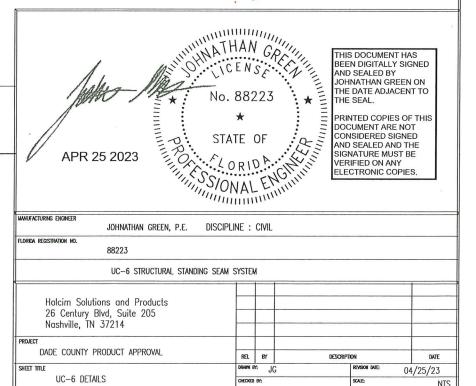
<u>SPAN</u>	PANEL CLIP	<u>UPLIFT PRESSURE:</u>
5'-0"	UC-6	57.3 PSF
4'-0"	UC-6	71.6 PSF
3'-0"	UC-6	95.4 PSF
2'-6"	UC-6	114.5 PSF
2'-0"	UC-6	143.1 PSF
1 ' -0"	UC-6	171.7 PSF

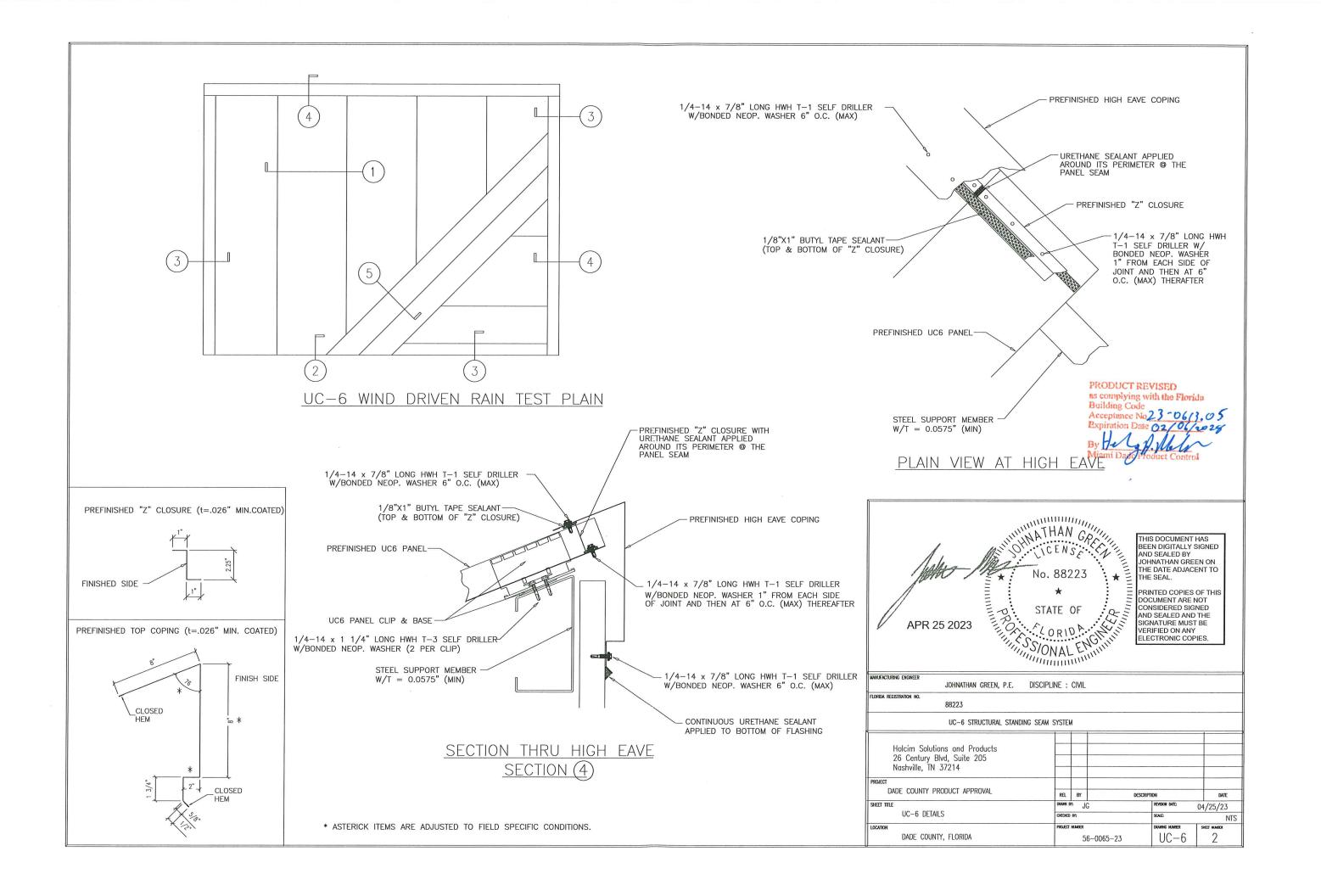
5. PANEL END LAPS ARE NOT PERMITTED.

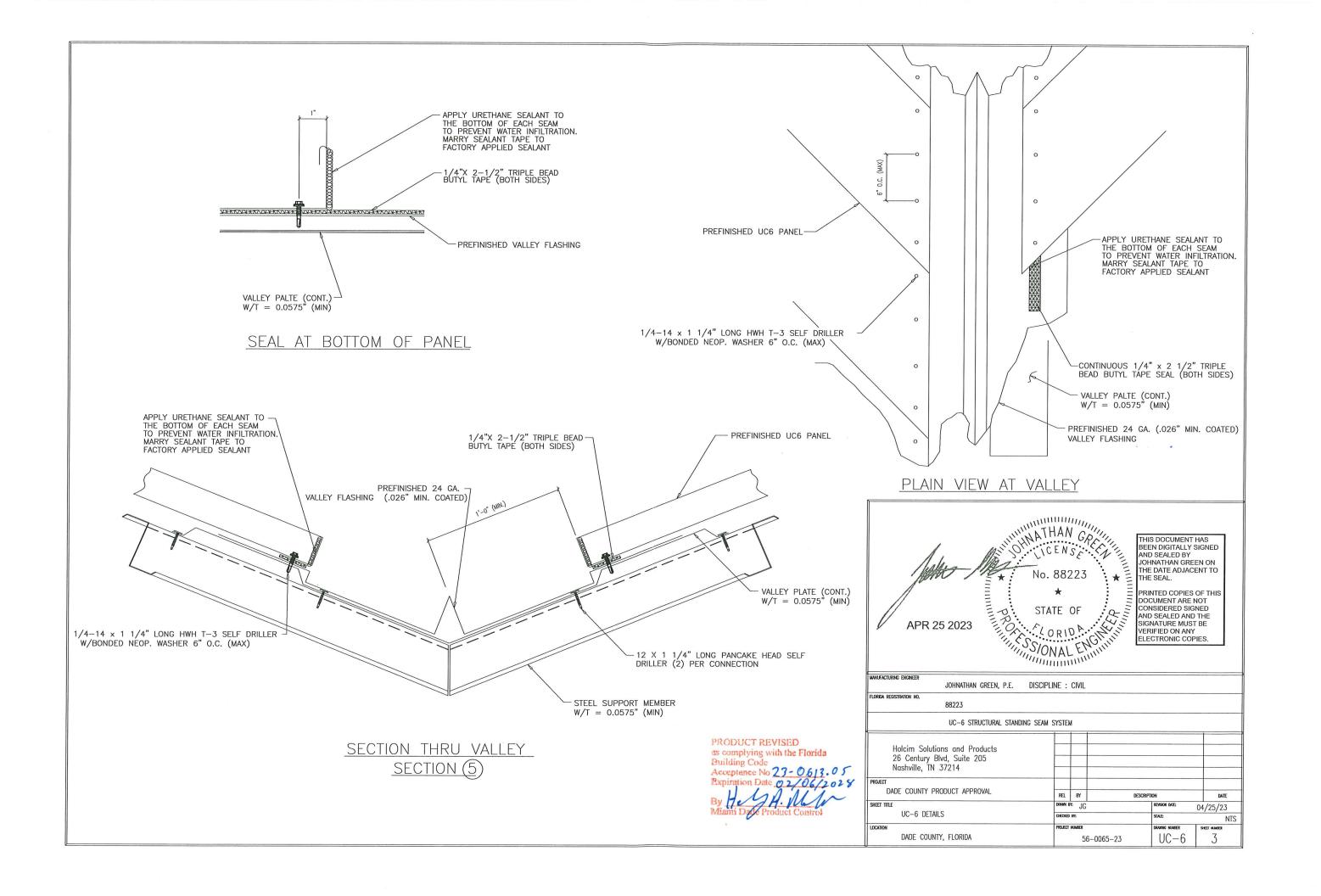
PRODUCT REVISED as complying with the Florida

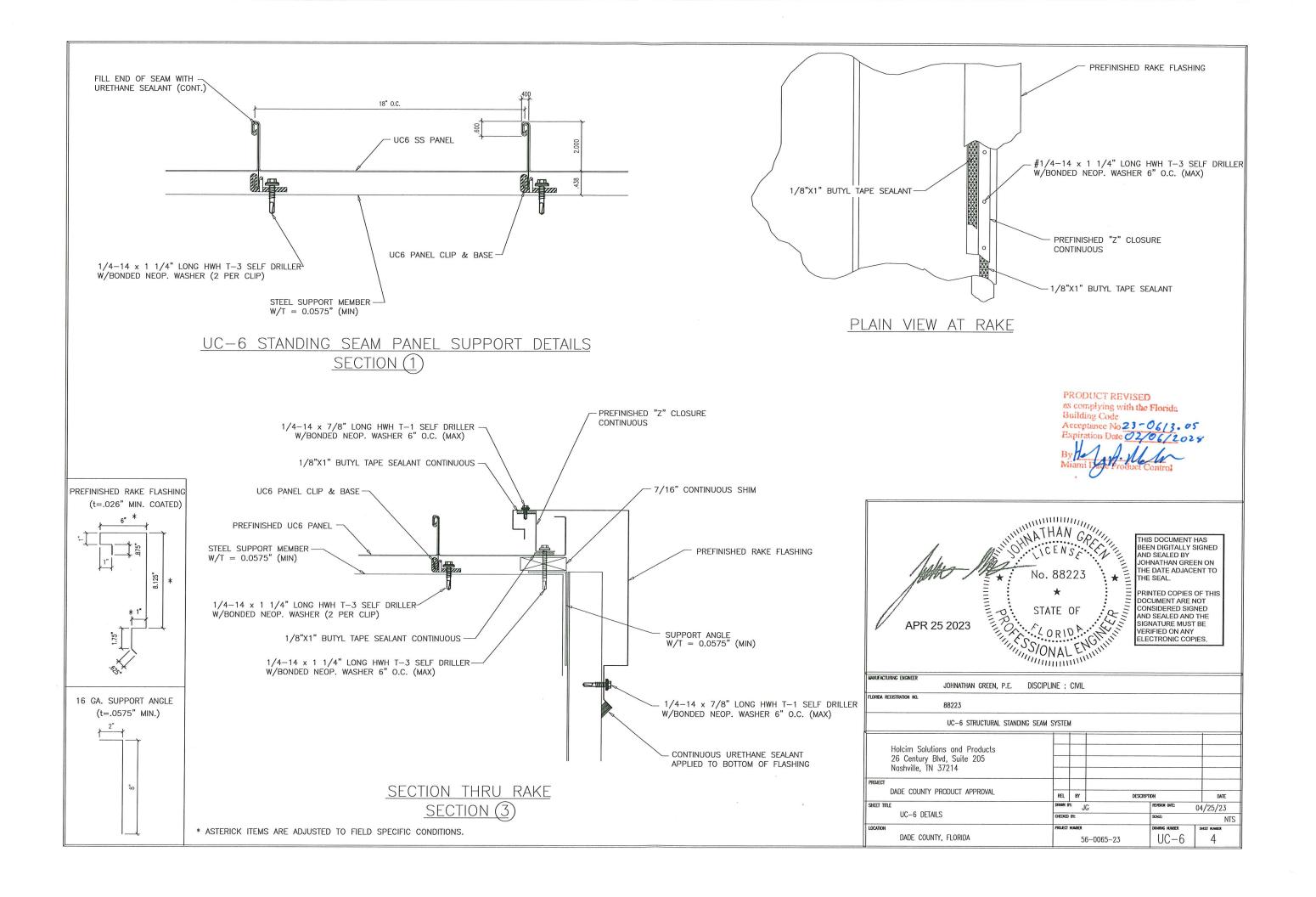
UC-6

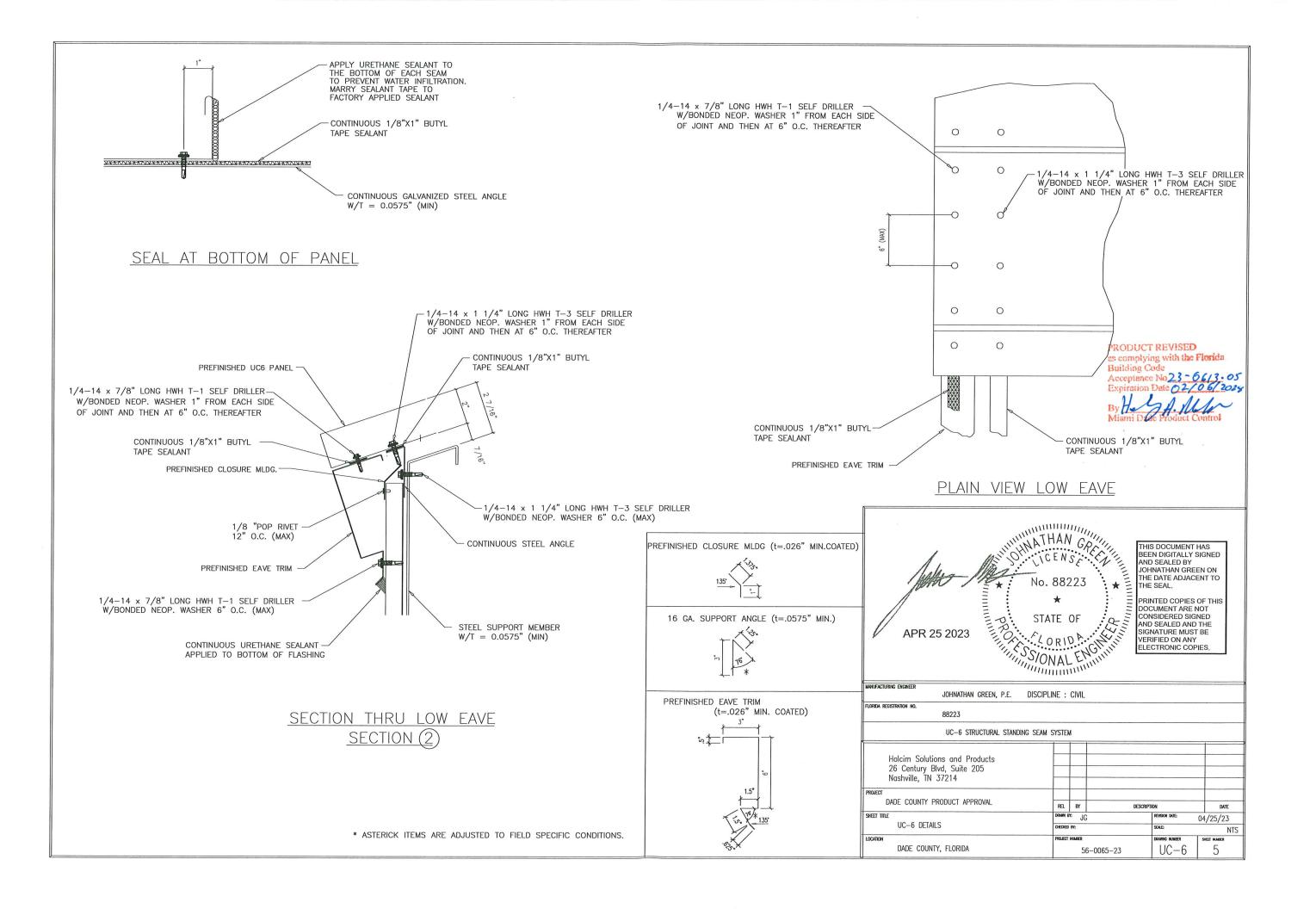
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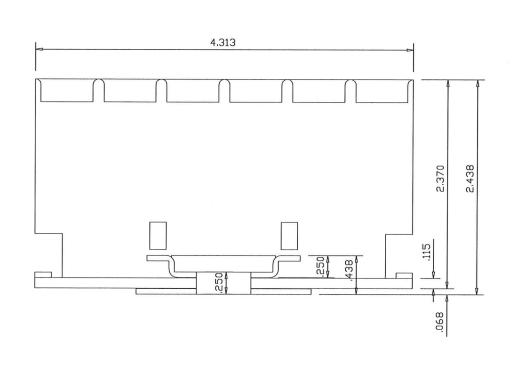


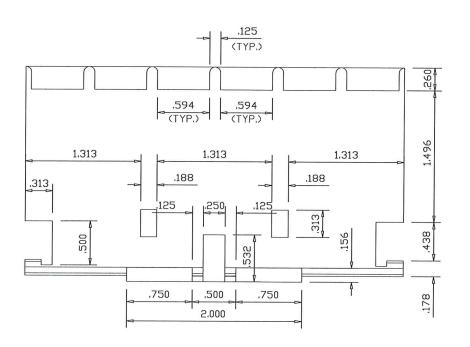


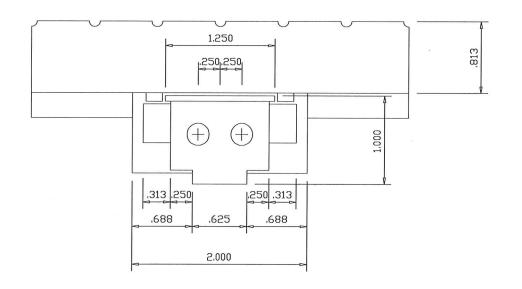


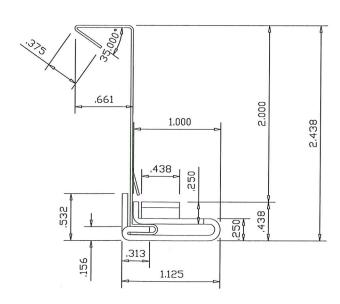








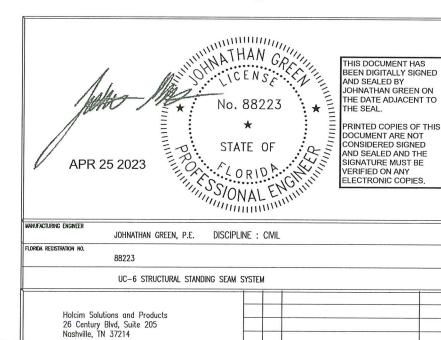




UC-6 CLIP DETAILS

20 GA. (.035" MIN. COATED) TOP & 16 GA. (.0575" MIN.) THICKNESS: GALV. STEEL MATERIAL:

FINISH: MILL



DADE COUNTY PRODUCT APPROVAL

UC-6 CLIP DETAILS

DADE COUNTY, FLORIDA

PRODUCT REVISED as complying with the Florida

Acceptance No 23 - 06/3.05
Expiration Date 02/06/2028

04/25/23

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UC-6

56-0065-23

NTS