

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

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www.miamidade.gov/building

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

NOTICE OF ACCEPTANCE (NOA)

Nailor Industries Inc. 4714 Winfield Road Houston, TX 77039

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.

DESCRIPTION: Model 1609HM Aluminum Louver System

APPROVAL DOCUMENT: Drawing No. **1609HM-NOA**, titled "BOM, Notes, Anchors, Elevation, Mull Details, Assembly Details, Head/Sill, Jamb, Profiles", sheets 1 through 7 of 7, prepared by manufacturer, dated 05/27/2021, signed and sealed by Lucas A. Turner, P.E. on 03/07/2024, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

LIMITATION: This system is to be installed in a location where the room behind the louver is designed to drain water penetrating into the room, and the room will house water resistant/waterproof equipment, components, or supplies.

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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera**, **P.E.**



05/09/24

NOA No. 23-0823.05 Expiration Date: April 4, 2029 Approval Date: April 4, 2024

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **1609HM-NOA**, titled "BOM, Notes, Anchors, Elevation, Mull Details, Assembly Details, Head/Sill, Jamb, Profiles", sheets 1 through 7 of 7, prepared by manufacturer, dated 05/27/2021, signed and sealed by Lucas A. Turner, P.E. on 03/07/2024.

B. TESTS

- 1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with installation diagram of Model 1609HM Louver Systems, prepared by Intertek, Test Report No. **K4977.01-801-18-r1**, dated 02/04/2022, revised on 05/23/2022, signed and sealed by Tyler Westerling, P.E.
- 2. Test Report on Test Method for Louvers Impacted by Wind Borne Debris per ANSI/AMCA 540-13 on a Model 1609HM Aluminum Louver Systems, prepared by Intertek, Test Report No. **K4975.01-801-18-R2**, dated 06/28/2021, revised on 01/04/2022, signed and sealed by Tyler Westerling, P.E.
- 3. Test Report on High Velocity Wind Driven Rain Resistance per ANSI/AMCA 550-15 on a Model 1609HM Aluminum Louver System, prepared by Intertek, Test Report No. **K4976.01-801-44-R2**, dated 05/06/2021, revised on 01/21/2022, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS

1. Louver structural calculations, dated 08/09/2023, prepared by Turner Engineering Consulting, Inc., signed and sealed by Lucas A. Turner, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

- 1. Statement letter of code conformance to the **FBC**, 7th **Edition (2020)** and **FBC**, 8th **Edition (2023)**, issued by Turner Engineering Consulting, Inc., dated 08/09/2023, signed and sealed by Lucas A. Turner, P.E.
- 2. Statement letter of no financial interest issued by Turner Engineering Consulting, Inc., dated 08/09/2023, signed and sealed by Lucas A. Turner, P.E.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0823.05 Expiration Date: April 4, 2029

Approval Date: April 4, 2024

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	GENERAL NOTES 1. THE 1609HM LOUVER S	RAL NOTES TABLE 1. INSTALLATION ANCHOR REQUIREMENTS (NOTE: THIS TABLE APPLIES TO ANCHORAGE OF BOTH 1.5X2 AND 5X6 ANGLES)													
1	DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE PROVISIONS, FOR APPLICATIONS WITH DESIGN PRESSURE (ASD) REQUIREMENTS OF 160 PSF OR LESS. 2. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH TAS 100A, TAS 201, TAS 202, TAS 203, AMCA 540 AND AMCA 550. FOR FULL PRODUCT TESTING					CHOR ID	OPENING SUBSTRATE	ANCHOR TO OPENING		MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	MAX. O.C. DISTANCE, ATTACHMENT OF 1.5X2X1/8 ANGLE	MAX. O.C. DISTANCE, ATTACHMENT OF 5X6X3/8 ANGLE		
_	DETAILS SEE INTERTEK TEST REPORTS K4975.01-801-18-R2, K4976.01-801-44-R2, NDD K4977.01-801-18-R1. S. THIS PRODUCT AS SHOWN IN THIS DRAWING IS MISSILE LEVEL E (9 LB 2X4, SO FPS) LARGE MISSILE IMPACT RESISTANT, AND DOES NOT REQUIRE THE USE OF						SOLID UNCRACKED CONCRETE (4000 PSI MIN.)			2 1/2"	1 1/2"	3 1/4"	9"		
2	IMPACT PROTECTIVE DEV 4. THIS LOUVER SYSTEM PREVENT WIND-DRIVEN LOUVER FOR WIND SPEE	/ICES (SHUTTEF HAS BEEN TES RAIN FROM PEN	RS) İN WINDBORNE Sted in accordan Betrating the Spa	DEBRIS REGIONS. CE WITH TAS 100A ACE BEHIND THE	ТП	В	GROUT- FILLED CMU (ASTM C-90 WITH 1,500 PSI MIN. GROUT)	3/8" DEWALT CO STEEL SCREW-I		3 1/4"	1 1/2"	3 1/4"	9"	2	
	33 FT. 5. THIS LOUVER SYSTEM BUILDING DEAD LOADS. 6. THE 4/3 ALLOWABLE FACTOR) HAS NOT BEEN	STRESS INCREA	ASE FACTOR (SHOR	T-TERM INCREASE			1/4" THICK MIN. A36 MIN. STEEL	3/8"-16 BOLT, 300 CW SS (65ksi MIN		1/4"	9/16"	3 1/4"	9"		
2	1.6 Cd FACTOR WAS US SUBSTRATE. 7. THE OPENING SUBSTRA	ACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 5 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD JBSTRATE. THE OPENING SUBSTRATE MATERIALS (FRAMING, MASONRY, BUCKS) AND ITACHMENT OF BUCKS TO THE SUBSTRATE ARE BY OTHERS AND SHALL BE					SOUTHERN PINE (SG = 0.55 MIN.)	3/8" LAG SCREW COND. CW SS (6		3"	1 1/2"	3 1/4"	5"		
4	AUTHORITY HAVING JURISDICTION (AAL). BUCKING, DPENINGS, & BUCKING FASTENERS MUST BE PROPER Y DESIGNED & INSTALLED BY DITHERS IN ACCORDANCE WITH THE FBD TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. 8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED DR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS WOULD BUCKS, IF USED, SHALL BE RESSURE TREATED, WITH EITHER A TREATMENT DR COATING COMPATIBLE WITH THIS PRODUCT. 4. SANCHERAGE NOTES: INSTALL PRODUCTS WITH MAXIMUM SHIM GAP, MINIMUM EDGE DISTANCE AND EMBEDDMENT, AND WITH FASTENER TYPE AS SHOWN IN THE DETAILS AND AS INDICATED IN TABLE I FOR THE APPROPRIATE SUBSTRATE, DR AS APPROVED, SIGNED, AND SEALED BY A FLURIBLA-RECISTERED PROTESSITIONAL ENGINEER ON A SITE-SPECIFIC BASIS. ALL ANCHORS USED SHALL BE DO A MATERIAL OR HAVE A CORTING COMPATIBLE WITH THE DPENING SUBSTRATE AND ALL DITHER LOUVER MATERIALS. INSTALL DIR ANCHOR AT EACH LOCATION SHOWN IN THE FLEVATION. INSTALL SHIMS AT EACH ANCHOR AT EACH LOCATION SHOWN IN THE FLEVATION. INSTALL SHIMS AT EACH ANCHOR AT EACH LOCATION SHOWN IN THE FLEVATION. INSTALL SHIMS AT EACH ANCHOR ELOCATION SHOWN IN THE FLEVATION. INSTALL SHIMS AT EACH ANCHOR ELOCATION SHOWN SHALL BE LIDAD-BEARING CHASTIC OR METALLIC) AND CAPABLE ET 5 TRANSFERRING LOADS TO SUBSTRATE. SPECIFIED ANCHOR REBEDMENT TO SUBSTRATE SHALL BE LIDAD-BEARING CHASTIC OR METALLIC) AND CAPABLE ET TABLE OF CONTENTS SHEED TO THE CONTENTS SHEED ANCHOR TABLE I, BOM 1 NOTES, ANCHOR TABLE I, BOM 2 TYP. STRUCLED, LIDVER, ASSEMBLY 3 TYP. MULLED, LIDVER, ASSEMBLY 4 TYP. STRUCKE.														
	BILL OF MATERIALS, 6063-T6 ALUMINUM COMPONENTS ITEM INTERNAL ID DESCRIPTION 10 C6-144 1604 HD HAMB FRAME 2 TYP, SINGLE LOUVER A 3 TYP, MULLED LOUVER A 4 VERT, SECTION / INST 5 HDRIZ, SECTION / INST 6 PROFILES														
7	20					CONT) ONT)	as cor Buildin NOA-N Approv By Miami-	roval Date 04/04/2024 ni-Dade Product Control		3/7/2024 LUCAS TURNER FL PE 58201 URNER ENGINEERIN CONSULTING, INC. OLD NATCHEZ TRAC CAMDEN, TN, 38320 PH 941-380-1574	G & DWN , DATE	www.nailor.com BY DES BY: fcortinas E: 5/27/2021 ET DESCRIPTION: BOM, N	SCALE: NTS SHEET: 1 OF	7	
L	А	В	С	D	E		F	G	Н	J		К	L	-	











