



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/building

N.I. Illinois, LLC dba SAFE-AIR DOWCO
1855 South 54th Ave.
Cicero, IL 60804

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 1606CM Aluminum Louver System

APPROVAL DOCUMENT: Drawing No. **1606CM-NOA**, titled "BOM, Notes, Anchors, Elevation, Mull Details, Assembly Details, Head/Sill, Jamb, Profiles", sheets 1 through 8 of 8, prepared by manufacturer, dated 05/27/2021, signed and sealed by Lucas A. Turner, P.E. on 05/09/2025, 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.**



05/21/25

NOA No. 25-0415.04
Expiration Date: November 2, 2028
Approval Date: May 29, 2025
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under NOA # 23-0823.04 and new

A. DRAWINGS

1. Drawing No. **1606CM-NOA**, titled “BOM, Notes, Anchors, Elevation, Mull Details, Assembly Details, Head/Sill, Jamb, Profiles”, sheets 1 through 8 of 8, prepared by manufacturer, dated 05/27/2021, signed and sealed by Lucas A. Turner, P.E. on 05/09/2025.

B. TESTS “Submitted under NOA # 23-0823.04”

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 1606CM Louver Systems, prepared by Intertek, Test Report No. **K4982.01-801-18-R0**, dated 04/08/2022, 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 1606CM Aluminum Louver Systems, prepared by Intertek, Test Report No. **K4980.01-801-18-R1**, dated 10/20/2021, revised on 03/01/2022, 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 1606CM Aluminum Louver System, prepared by Intertek, Test Report No. **K4981.01-801-44-R1**, dated 05/13/2021, revised on 05/17/2021, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS “Submitted under NOA # 23-0823.04”

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. Private label agreement dated 02/05/2025.

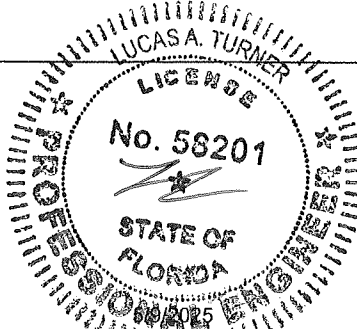
“Submitted under NOA # 23-0823.04”
2. Statement letter of code conformance to the **FBC, 7th Edition (2020)** and **FBC, 8th Edition (2023)**, issued by Turner Engineering Consulting, Inc., dated 08/09/2023, signed and sealed by Lucas A. Turner, P.E.
3. Statement letter of no financial interest issued 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. 25-0415.04
Expiration Date: November 2, 2028
Approval Date: May 29, 2025

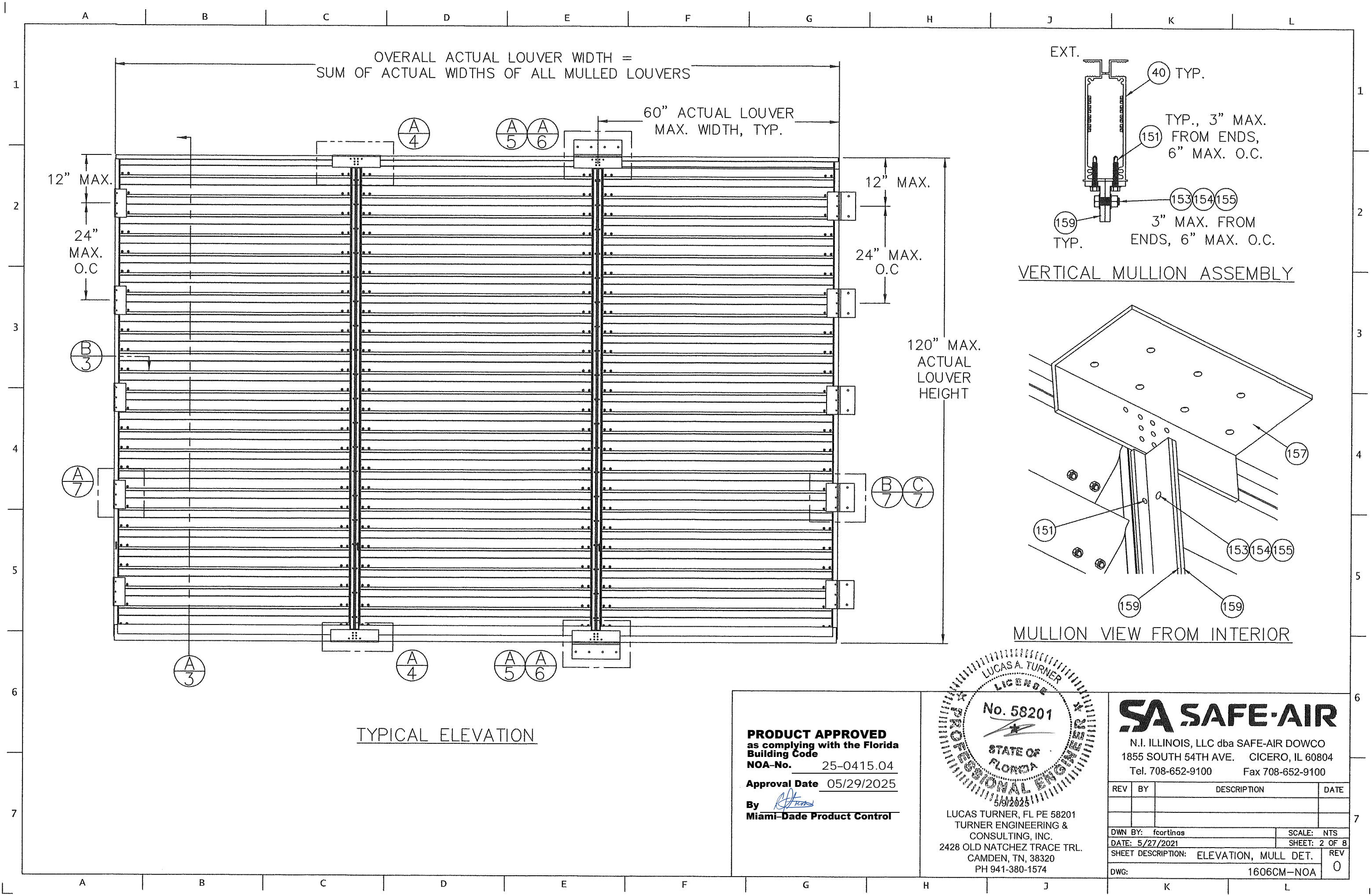
	A	B	C	D	E	F	G	H	J	K	L	
1	GENERAL NOTES 1. THE 1606CM LOUVER SYSTEM SHOWN IN THE CONFIGURATIONS HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION (2020) AND 8TH EDITION (2023) FLORIDA BUILDING CODES INCLUDING THE HIGH VELOCITY HURRICANE ZONE PROVISIONS, FOR APPLICATIONS WITH DESIGN PRESSURE (ASD) REQUIREMENTS OF 120 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 DETAILS SEE INTERTEK TEST REPORTS K4980.01-801-18-R1, K4981.01-801-44-R1, AND K4982.01-801-18-R0. 3. THIS PRODUCT AS SHOWN IN THIS DRAWING IS MISSILE LEVEL D LARGE MISSILE IMPACT RESISTANT, AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS. 4. THIS LOUVER SYSTEM HAS BEEN TESTED IN ACCORDANCE WITH TAS 100A TO PREVENT WIND-DRIVEN RAIN FROM PENETRATING THE SPACE BEHIND THE LOUVER FOR WIND SPEEDS UP TO 110 MPH AND INSTALLATION IN HEIGHTS UP TO 33 FT. 5. THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS. 6. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE. 7. THE OPENING SUBSTRATE MATERIALS (FRAMING, MASONRY, BUCKS) AND ATTACHMENT OF BUCKS TO THE SUBSTRATE ARE BY OTHERS AND SHALL BE VERIFIED BY THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. 8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT. 9. ANCHORAGE NOTES: INSTALL PRODUCTS WITH MAXIMUM SHIM GAP, MINIMUM EDGE DISTANCE AND EMBEDMENT, AND WITH FASTENER TYPE AS SHOWN IN THE DETAILS AND AS INDICATED IN TABLE 1 FOR THE APPROPRIATE SUBSTRATE, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE OPENING SUBSTRATE AND ALL OTHER LOUVER MATERIALS. INSTALL ONE ANCHOR AT EACH LOCATION SHOWN IN THE ELEVATION. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO.				TABLE 2. 3X6X1/4 ALUMINUM MULL CLIP (ITEM 157) ATTACHMENT DIRECTLY TO SUBSTRATE, ANCHOR QUANTITY / CLIP LENGTH REQUIREMENTS (SEE TABLE 1 FOR FULL DESCRIPTION OF ANCHOR TYPES / SUBSTRATES)							
					MULLION DESIGN PRESSURE (PSF)	ANCHOR ID	MAX. LOUVER ACTUAL HEIGHT (IN.)					
							72	84	96	108	120	
					2	100	A (3/8" SCREW-BOLT+ / CONC.)	QTY 6 / 12" CLIP	QTY 6 / 12" CLIP	QTY 7 / 12" CLIP	QTY 8 / 15" CLIP	QTY 9 / 15" CLIP
							B (3/8" SCREW-BOLT+ / CMU)	QTY 8 / 15" CLIP	QTY 9 / 15" CLIP	QTY 10 / 18" CLIP	QTY 11 / 18" CLIP	QTY 13 / 21" CLIP
							C (3/8"-16 BOLT / STEEL)	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP
							D (3/8" LAG / WOOD)	QTY 6 / 12" CLIP	QTY 6 / 12" CLIP	QTY 6 / 12" CLIP	QTY 6 / 12" CLIP	QTY 7 / 12" CLIP
							E (1/2" SCREW-BOLT+ / CONC.)	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 5 / 9" CLIP	QTY 6 / 12" CLIP	QTY 6 / 12" CLIP
							F (1/2" LAG / WOOD)	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 5 / 9" CLIP
					3	110	A (3/8" SCREW-BOLT+ / CONC.)	QTY 6 / 12" CLIP	QTY 7 / 12" CLIP	QTY 8 / 15" CLIP	QTY 9 / 15" CLIP	QTY 10 / 18" CLIP
B (3/8" SCREW-BOLT+ / CMU)	QTY 8 / 15" CLIP	QTY 10 / 18" CLIP	QTY 11 / 18" CLIP	QTY 12 / 21" CLIP			QTY 14 / 24" CLIP					
C (3/8"-16 BOLT / STEEL)	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP			QTY 4 / 9" CLIP					
D (3/8" LAG / WOOD)	QTY 6 / 12" CLIP	QTY 6 / 12" CLIP	QTY 6 / 12" CLIP	QTY 6 / 12" CLIP			QTY 8 / 15" CLIP					
E (1/2" SCREW-BOLT+ / CONC.)	QTY 4 / 9" CLIP	QTY 5 / 9" CLIP	QTY 5 / 9" CLIP	QTY 6 / 12" CLIP			QTY 7 / 12" CLIP					
F (1/2" LAG / WOOD)	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 5 / 9" CLIP			QTY 5 / 9" CLIP					
4	120	A (3/8" SCREW-BOLT+ / CONC.)	QTY 6 / 12" CLIP	QTY 7 / 12" CLIP	QTY 8 / 15" CLIP	QTY 9 / 15" CLIP	QTY 10 / 18" CLIP					
		B (3/8" SCREW-BOLT+ / CMU)	QTY 9 / 15" CLIP	QTY 11 / 18" CLIP	QTY 12 / 21" CLIP	QTY 14 / 24" CLIP	QTY 14 / 24" CLIP					
		C (3/8"-16 BOLT / STEEL)	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP					
		D (3/8" LAG / WOOD)	QTY 6 / 12" CLIP	QTY 6 / 12" CLIP	QTY 7 / 12" CLIP	QTY 7 / 12" CLIP	QTY 9 / 15" CLIP					
		E (1/2" SCREW-BOLT+ / CONC.)	QTY 4 / 9" CLIP	QTY 5 / 9" CLIP	QTY 6 / 12" CLIP	QTY 7 / 12" CLIP	QTY 7 / 12" CLIP					
		F (1/2" LAG / WOOD)	QTY 4 / 9" CLIP	QTY 4 / 9" CLIP	QTY 5 / 9" CLIP	QTY 5 / 9" CLIP	QTY 6 / 12" CLIP					
5	TABLE 1. INSTALLATION ANCHOR REQUIREMENTS (NOTE: THIS TABLE APPLIES TO ANCHORAGE OF 3X6X1/4 MULL AND JAMB CLIPS DIRECTLY TO SUBSTRATE, AS WELL AS 4X4X3/8 MOUNTING ANGLES TO SUBSTRATE)				TABLE OF CONTENTS SHEET DESCRIPTION 1 NOTES, ANCHOR TABLE 1 2 TYP. ELEVATION, MULLION DETAILS 3 LOUVER ASSEMBLY DETAILS 4 HEAD/SILL INSTALL. DIRECTLY TO SUBSTRATE 5 HEAD/SILL INSTALL. W/ ALUM. MOUNTING ANGLE, 6" WALL 6 HEAD/SILL INSTALL. W/ STEEL MOUNTING ANGLE 7 JAMB INSTALLATION 8 BILL OF MATERIALS, PROFILES							
	ANCHOR ID	OPENING SUBSTRATE	ANCHOR TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE							
	A	SOLID UNCRACKED CONCRETE (4000 PSI MIN.)	3/8" DEWALT COATED CARBON STEEL SCREW-BOLT+	2 1/2"	1 1/2"							
	B	GROUT- FILLED CMU (ASTM C-90 WITH 1,500 PSI MIN. GROUT)	3/8" DEWALT COATED CARBON STEEL SCREW-BOLT+	3 1/4"	1 1/2"							
	C	1/4" THICK MIN. A36 MIN. STEEL	3/8"-16 BOLT, 300 SERIES COND. CW SS (65ksi MIN. YIELD)	1/4"	9/16"							
	D	SOUTHERN PINE (SG = 0.55 MIN.)	3/8" LAG SCREW, 300 SERIES COND. CW SS (65ksi MIN. YIELD)	3"	1 1/2"							
	E	SOLID UNCRACKED CONCRETE (4000 PSI MIN.)	1/2" DEWALT COATED CARBON STEEL SCREW-BOLT+	2 1/2"	1 3/4"							
7	F	SOUTHERN PINE (SG = 0.55 MIN.)	1/2" LAG SCREW, 300 SERIES COND. CW SS (65ksi MIN. YIELD)	3"	2"							
A B C D E F G H J K L												

PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. 25-0415.04
Approval Date 05/29/2025
By 
Miami-Dade Product Control


LUCAS TURNER, FIRE 58201
TURNER ENGINEERING & CONSULTING, INC.
2428 OLD NATCHEZ TRACE TRL.
CAMDEN, TN, 38320
PH 941-380-1574


N.I. ILLINOIS, LLC dba SAFE-AIR DOWCO
1855 SOUTH 54TH AVE. CICERO, IL 60804
Tel. 708-652-9100 Fax 708-652-9100

REV	BY	DESCRIPTION	DATE
DWN BY: fcoertinas		SCALE: NTS	
DATE: 5/27/2021		SHEET: 1 OF 8	
SHEET DESCRIPTION: BOM, NOTES, ANCHORS			REV 0
DWG:		1606CM-NOA	



1/4"
MAX.
SHIM

4 PER BLADE
@ EACH END

JAMB
DETAIL

By 
Miami-Dade Product Control

BLADE SUPPORT AND
BLADE SUPPORT ANGLE
NOT SHOWN FOR
CLARITY.

VERTICAL SECTION DETAIL

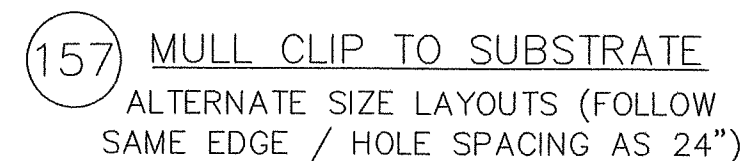
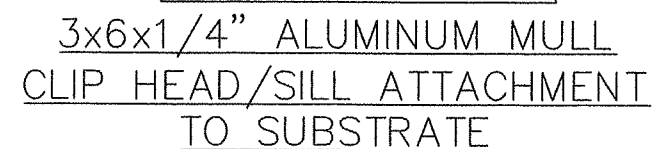
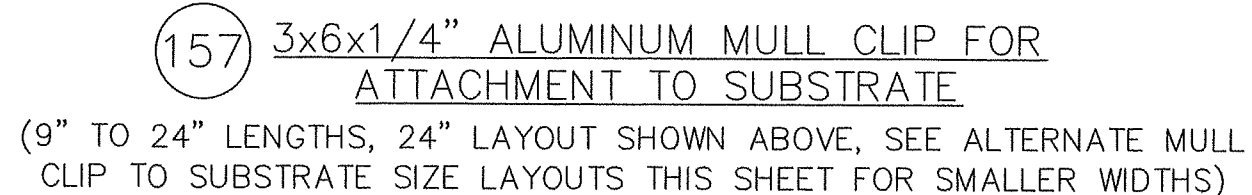
A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the bottom and "STATE OF FLORIDA" at the top, separated by stars. Inside the ring, the name "LUCAS A. TURNER" is at the top, "LICENSE" is in the middle, and "No. 58201" is at the bottom. A signature is written across the center of the seal.

LUCAS TURNER, FL PE 58201
TURNER ENGINEERING &
CONSULTING, INC.
2428 OLD NATCHEZ TRACE TRL.
CAMDEN, TN, 38320
PH 941-380-1574

SA SAFE-AIR

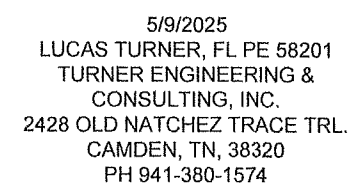
N.I. ILLINOIS, LLC dba SAFE-AIR DOWCO
1855 SOUTH 54TH AVE. CICERO, IL 60804
Tel. 708-652-9100 Fax 708-652-9100

REV	BY	DESCRIPTION	DATE
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DATE: 5/27/2021			SHEET: 3 OF 8
SHEET DESCRIPTION: ASSEMBLY DETAILS			REV 0
DWG: 1606CM-NOA			

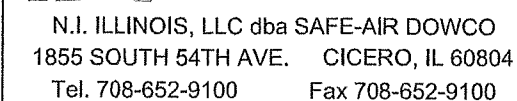


NOTE: THE WEIGHT OF THE LOUVER ASSEMBLY MUST BE SUPPORTED BY THE SUBSTRATE, NOT THE MULL CLIPS.

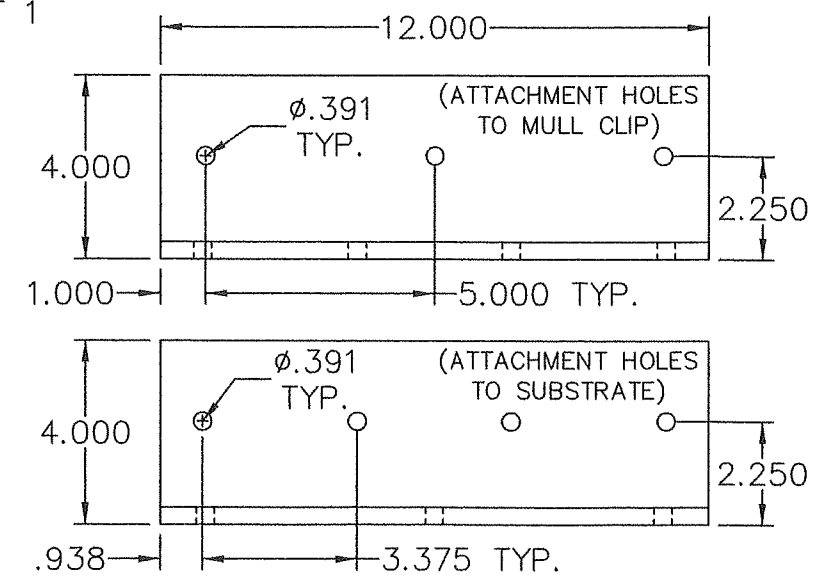
SEE TABLE 2, SHEET 1
FOR MULL CLIP LENGTH
AND ANCHOR QUANTITY
REQUIREMENTS BY
LOUVER SIZE / DP. IF
TABLE 2 REQUIRES AN
EVEN NUMBER OF
ANCHORS, DO NOT USE
ANCHOR IN THE CENTER
HOLE OF THE CLIP



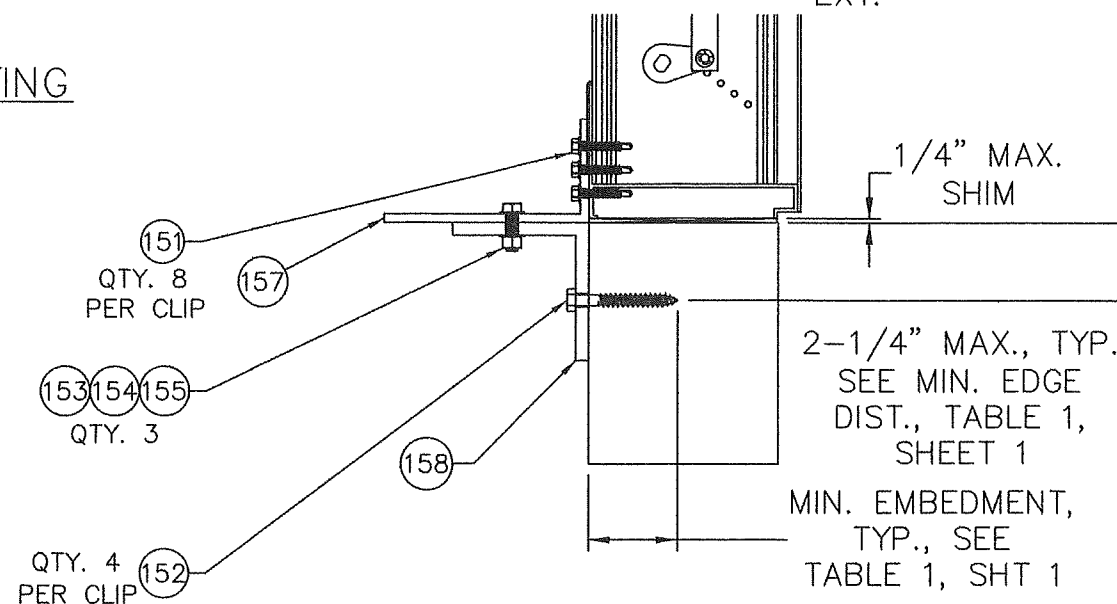
By [Signature]
Miami-Dade Product Control



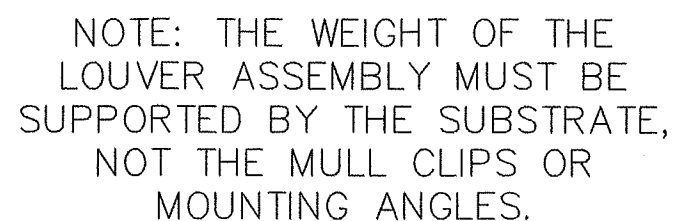
REV	BY	DESCRIPTION	DATE
DWN BY: fcoortinas			SCALE: NTS
DATE: 5/27/2021			SHEET: 4 OF
SHEET DESCRIPTION: HEAD/SILL TO SUBSTRATE			REV: 0
DWG: 1606CM-NOA			



158 4x4x3/8" ALUMINUM
MOUNTING ANGLE @ MULLS



3x6x1/4" ALUMINUM MULL CLIP HEAD/SILL OPTIONAL
ATTACHMENT TO 6" WALL WITH 4X4X3/8" ALUMINUM
MOUNTING ANGLE



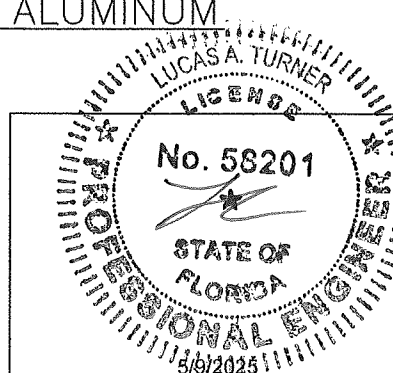
(157) 3x6x1/4" ALUMINUM MULL CLIP FOR
ATTACHMENT TO MOUNTING ANGLE, 6" WALL

PRODUCT APPROVED
as complying with the Florida
Building Code

NOA-No. 25-0415.04

Approval Date 05/29/2025

By 
Miami-Dade Product Control



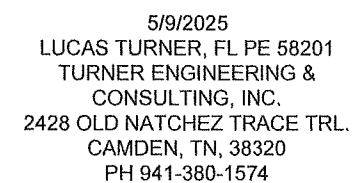
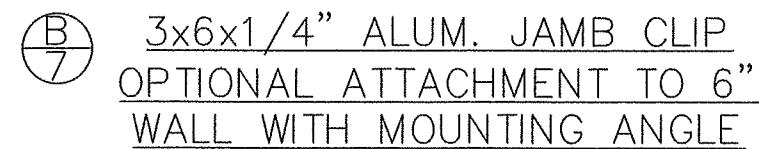
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REV	BY	DESCRIPTION	DATE
DWN BY: fcorinas			SCALE: NTS
DATE: 5/27/2021			SHEET: 5 OF 8
SHEET DESCRIPTION: HEAD/SILL, 6" WALL			REV
DWG: 1606CM-NOA			0

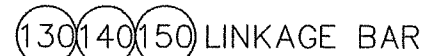
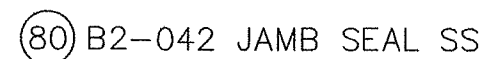
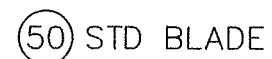
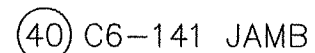
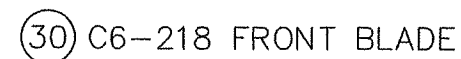
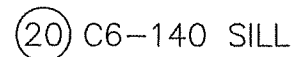
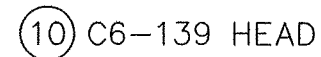
REV	BY	DESCRIPTION	DATE
DWN BY: fcoertins		SCALE: NTS	
DATE: 5/27/2021		SHEET: 6 OF 8	
SHEET DESCRIPTION: HEAD/SILL ANCHORAGE			REV
DWG: 1606CM-NOA			0



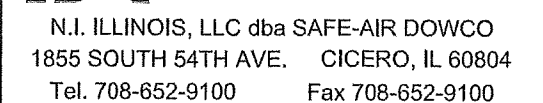
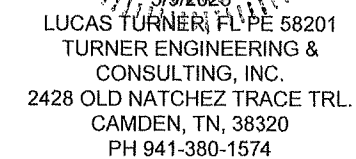
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Tel. 708-652-9100 Fax 708-652-9100

REV	BY	DESCRIPTION	DATE
DWN BY: fcartinas			SCALE: NTS
DATE: 5/27/2021			SHEET: 7 OF 8
SHEET DESCRIPTION: JAMB ANCHORAGE			REV
DWG: 1606CM-NOA			0



By [Signature]
Miami-Dade Product Control



REV	BY	DESCRIPTION	DATE
DWN BY: fcoartinas			SCALE: NTS
DATE: 5/27/2021			SHEET: 8 OF 8
SHEET DESCRIPTION: BOM, PROFILES			REV
DWG: 1606CM-NOA			0