



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

Wanessa-Sue, Inc.
5056 Inez Road
Kingman, AZ 86409

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: Airlight Insulated Steel/EPS Building Wall Panel System

APPROVAL DOCUMENT: Drawing No. **AD18-22**, titled "Airlight Building Panel System", sheets 1 through 5 of 5, dated 05/31/2021, with revision R2 dated 12/04/2023, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: A permanent label with the manufacturer's name or logo, manufacturing plant's city and state, model/series, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on each panel.

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 # 21-0601.07** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**




01/24/24

NOA No. 23-1206.03
Expiration Date: December 19, 2024
Approval Date: February 1, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under NOA # 18-1031.01

A. DRAWINGS

1. Drawing No. **AD18-22**, titled “Airlight Building Panel System”, sheets 1 through 5 of 5, dated 12/19/2018, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E. on 07/09/2019.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of the insulated wall panels, prepared by Fenestration Testing Laboratory, Inc, Test Report No. **10092**, dated 06/22/2018, revised on 09/19/2019, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. Anchorage calculations prepared by MCY Engineering, Inc., dated 06/26/2018, signed and sealed by Yiping Wang, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Test report on Surface Burning Characteristics of Building Materials (Flame Spread and Smoke Developed) per ASTM E84-16 on Airlight building panels faced with ½” gypsum board, prepared by QAI Laboratories, Inc., Test Report No. **RJ7217F-1**, dated 09/16/2019, signed by Bryan Ortega.

F. STATEMENTS

1. Statement letter of code conformance to the 6th edition (2017) FBC issued by MCY Engineering, Inc., dated 07/10/2018, signed and sealed by Yiping Wang, P.E.
2. Statement letter of no financial interest issued by MCY Engineering, Inc., dated 06/26/2018, signed and sealed by Yiping Wang, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-1206.03
Expiration Date: December 19, 2024
Approval Date: February 1, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 21-0601.07 and new

A. DRAWINGS

1. Drawing No. **AD18-22**, titled “Airlight Building Panel System”, sheets 1 through 5 of 5, dated 05/31/2021, with revision R2 dated 12/04/2023, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

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 8th edition (2023) of the FBC and of no financial interest, issued by MCY Engineering, Inc., dated 12/05/2023, signed and sealed by Yiping Wang, P.E.

“Submitted under the NOA # 21-0601.07”

2. Statement letter of code conformance to the 7th edition (2020) of the FBC and of no financial interest, issued by MCY Engineering, Inc., dated 05/31/2021, signed and sealed by Yiping Wang, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-1206.03
Expiration Date: December 19, 2024
Approval Date: February 1, 2023

WANESEA-SUE, INC.
AIRLIGHT BUILDING PANEL SYSTEM
LARGE & SMALL MISSILE IMPACT

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) OUTSIDE OF THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- PANELS RATED FOR LARGE MISSILE IMPACT.
- THESE PANELS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL / METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY WANESSA-SUE TO BE DESIGNED TO SUPPORT TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

TYPICAL ANCHORS:

(REFER TO ELEVATION FOR SPACING)

TYPE A - 3/8" DIA. POWERS WEDGE BOLT (F_U = 100 KSI, F_y = 65 KSI)
INTO CONCRETE
WITH 2-1/2" MIN. EMBED.

TYPE B - 3/8 - 16 BOLT WITH WASHER AND NUTS
INTO METAL STRUCTURE
 STEEL: 1/8" MIN. (F_y=36 KSI MIN.)
 ALUMINUM: 1/8" MIN. THK. (6063-T5 MIN.)

TYPICAL EDGE DISTANCE

INTO CONCRETE = 2-1/4" MIN.
INTO METAL STRUCTURE = 1" MIN.

CONCRETE $f_c' = 2000$ PSI MIN.

ABBREVIATIONS AND SYMBOLS

W/	- WITH
W/O	- WITHOUT
O.C.	- ON CENTER
TYP.	- TYPICAL

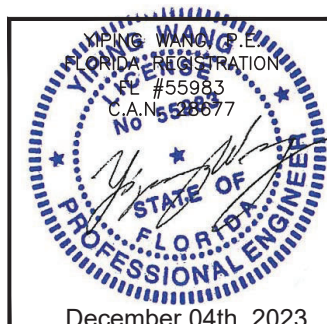


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1206.03

Expiration Date 12/19/2024

By 
Miami-Dade Product Control

MIAMI-DADE COUNTY



MCY ENGINEERING, INC.
GLAZING CONSULTANTS

1101

12701 Miramar Parkway #301
Miramar, FL 33027 P:

12000 FT 0000

www.MCYPEngineering.com MCY@mcypengineering.com

www.MCSEngineering.com

AIRLIGHT BUILDING PANELS - L.M.I. / S.M.I

WANESSA-SUE, INC.

5056 INEZ RD. KINGMAN, AZ 86409
TEL. (928) 692-4553

[illegible]

Drawn Date	Scale
12.04.2023	

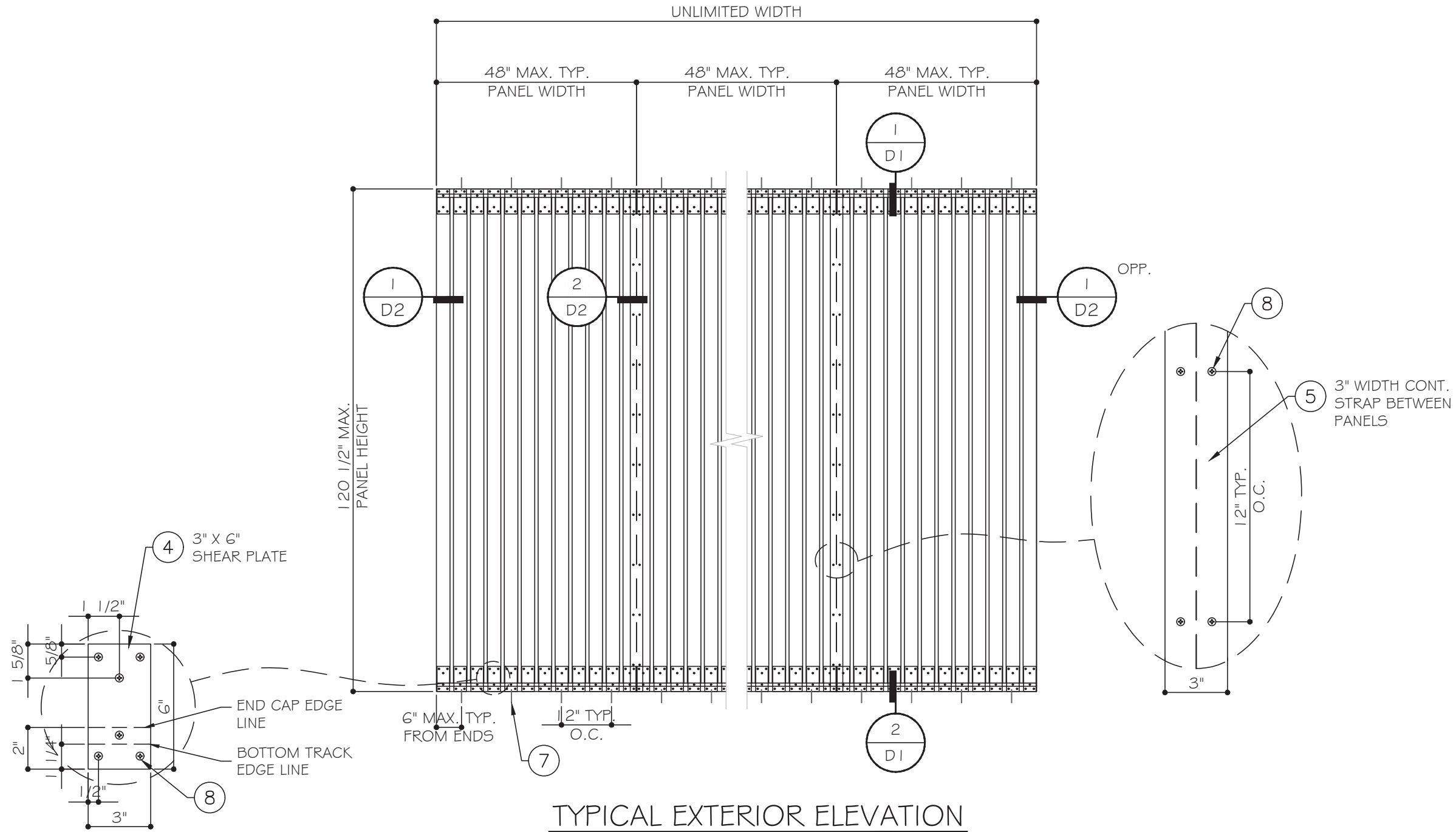
DRAWING NO.

AD18-22

COVER

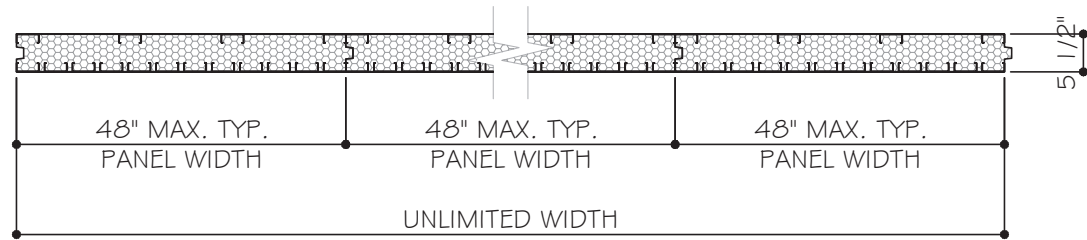
Sheet No. _____


01 OF 05

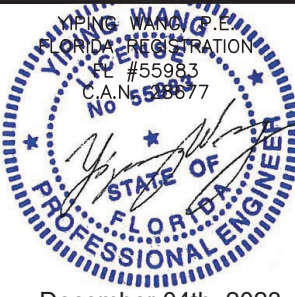


TYPICAL EXTERIOR ELEVATION

DESIGN LOADS (FOR SIZES SHOWN ABOVE OR SMALLER) AS PERMITTED BY FBC
+83 PSF - 83 PSF



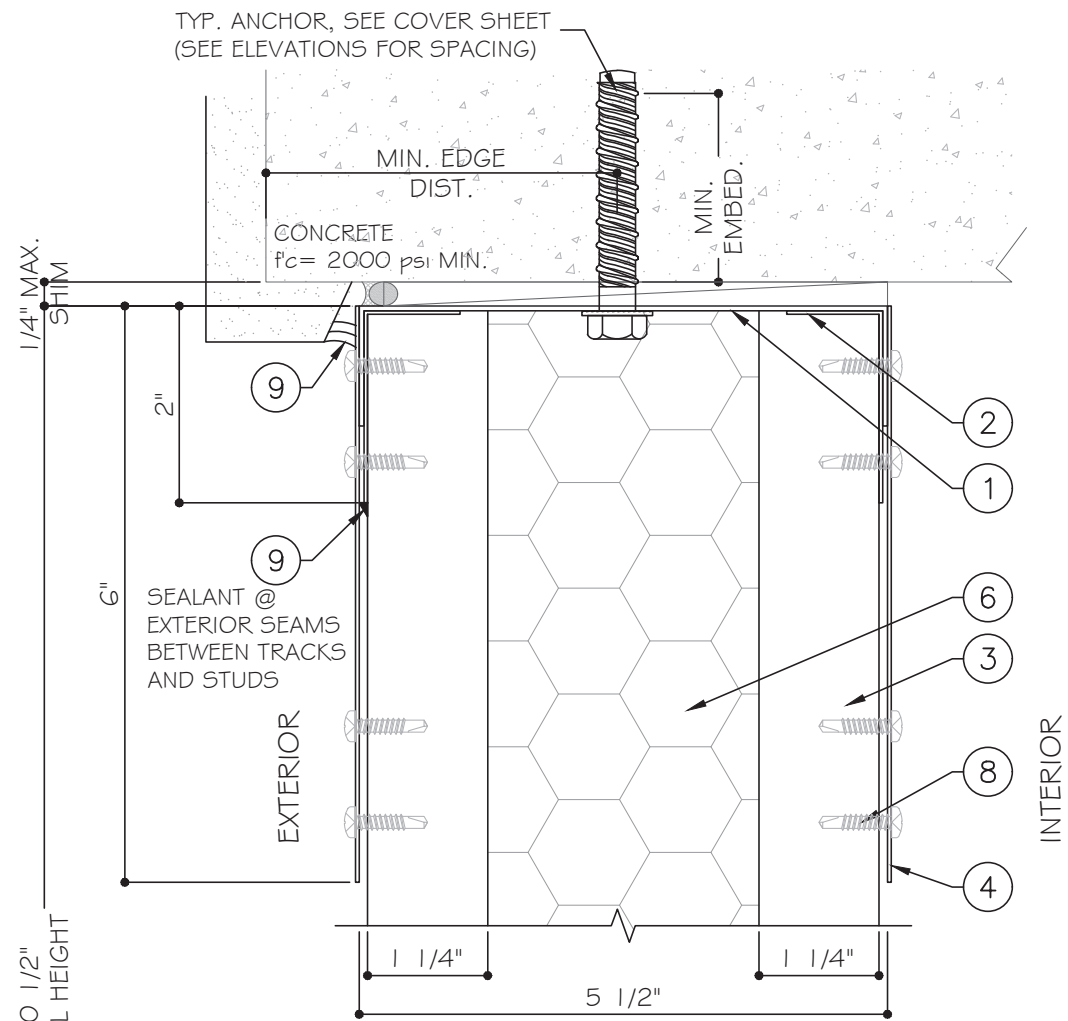
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1206.03
Expiration Date 12/19/2024
By 
Miami-Dade Product Control
MIAMI-DADE COUNTY


December 04th, 2023

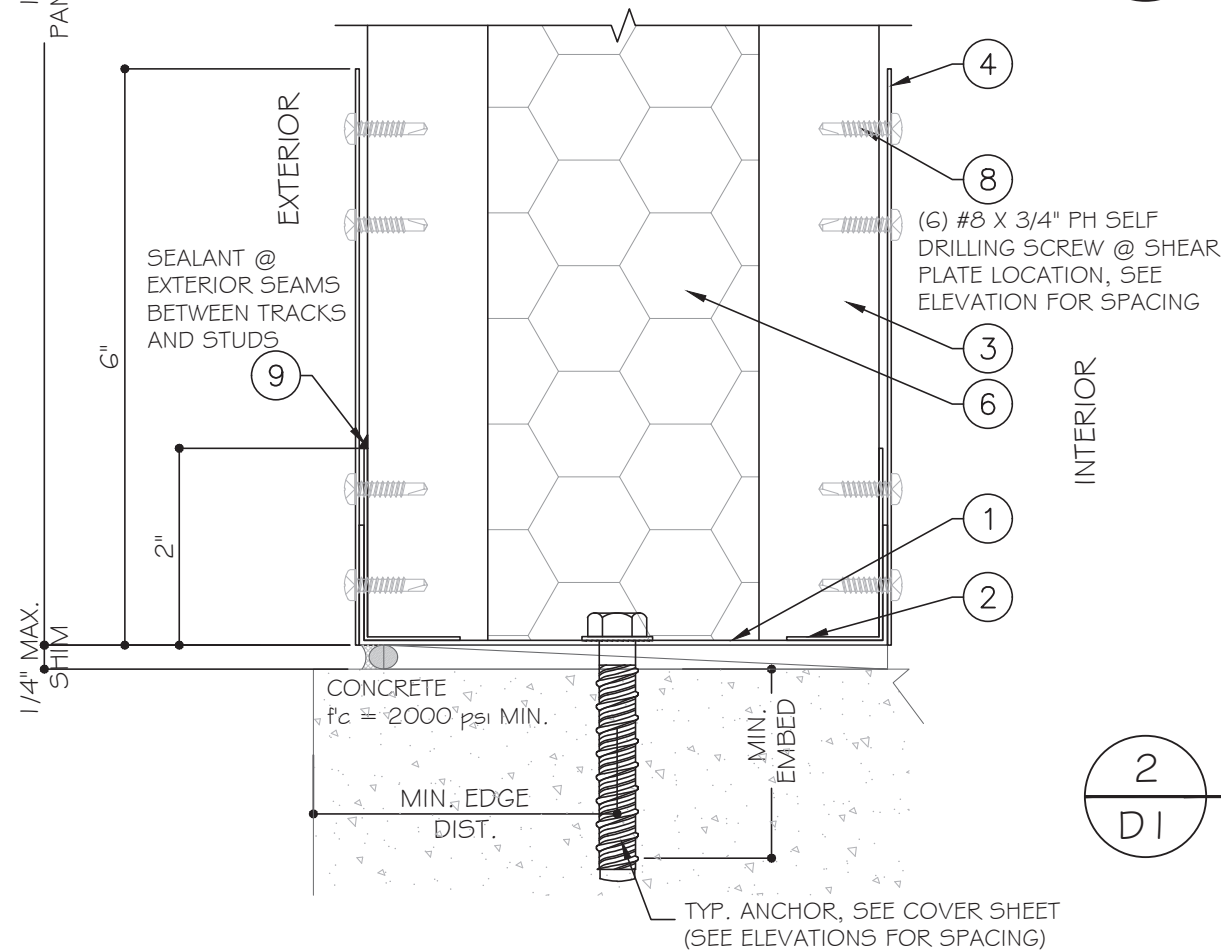
Rev. No.	Date	Drawn By	Description
R2	12.04.2023	James	UPDATE FBC 2023
Drawn Date 12.04.2023			Scale
DRAWING NO. AD18-22			
E1			
Sheet No. 02 OF 05			

AIRLIGHT BUILDING PANELS - L.M.I. / S.M.I.
WANESSA-SUE, INC.
5056 INEZ RD. KINGMAN, AZ 86409
TEL. (928) 692-4553

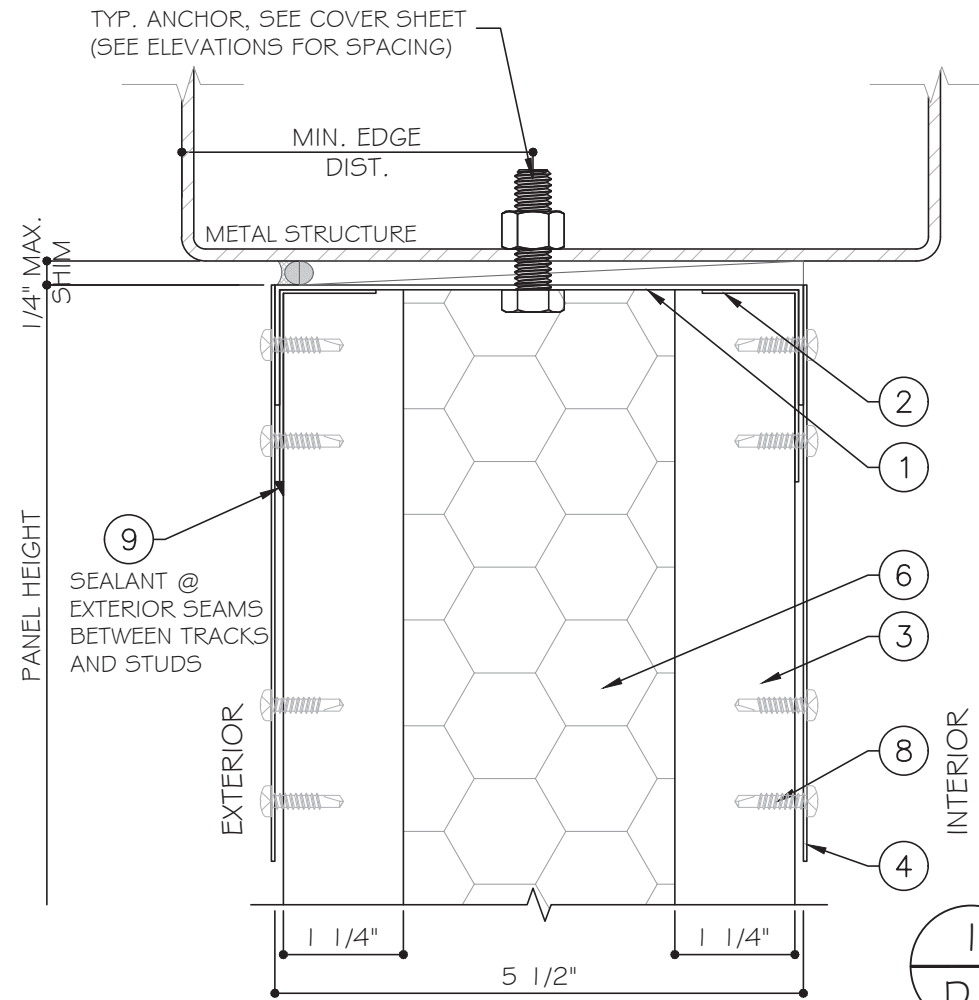

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 Miramar Parkway #301
Miramar, FL 33027
P: 305.271.0117
www.MCYEngineering.com



1
DI
DETAIL



2
DI
DETAIL

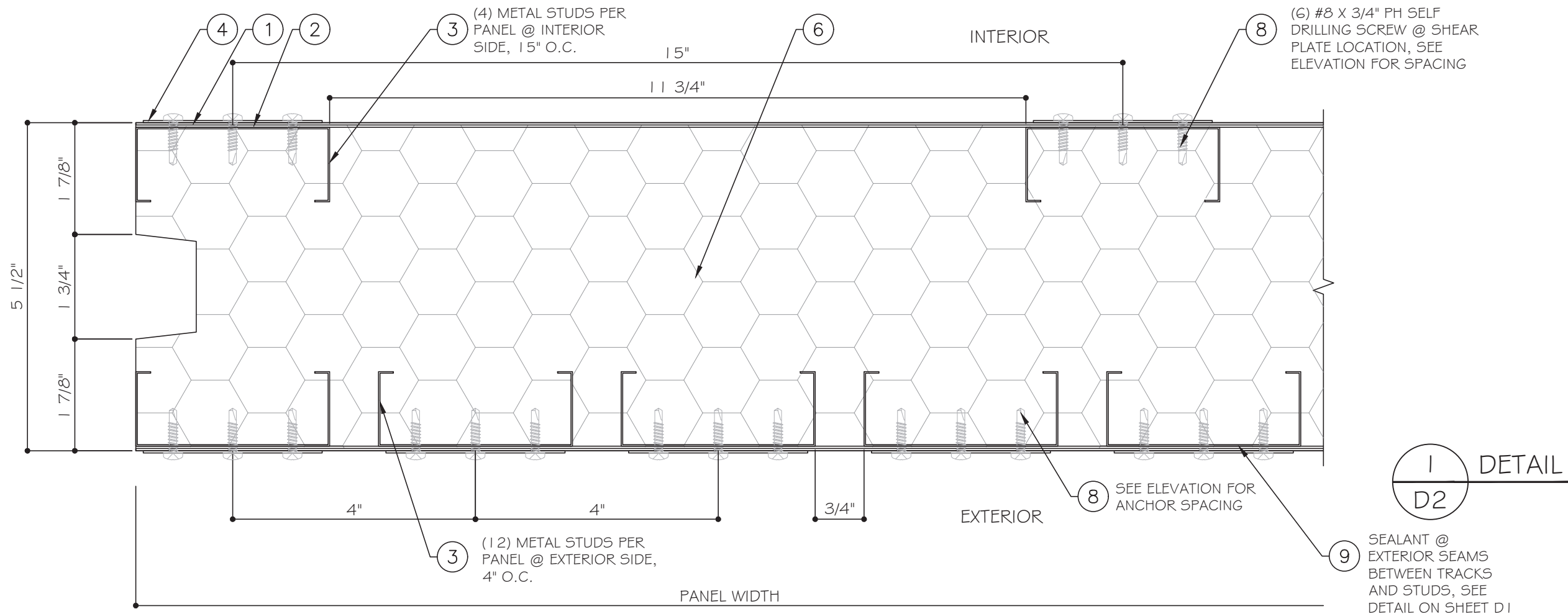


1
DI
DETAIL
OPTION
HEAD/SILL

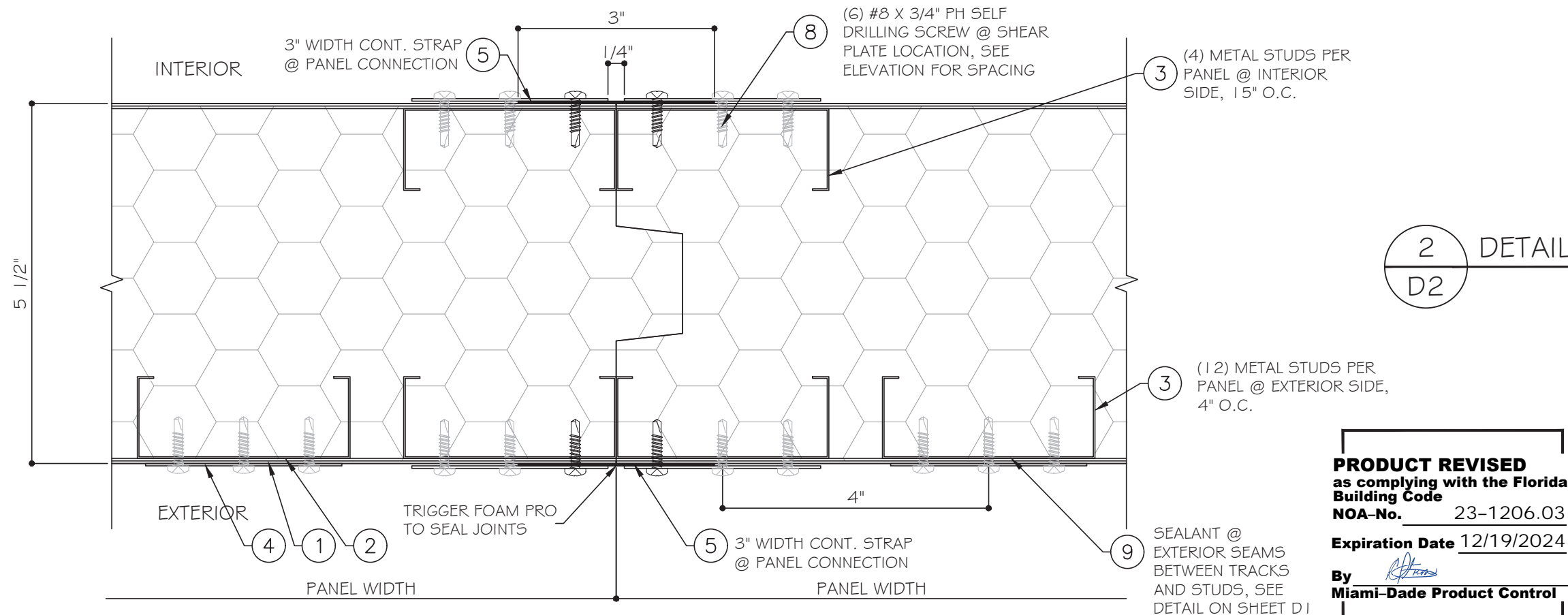
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1206.03
Expiration Date 12/19/2024
By *[Signature]*
Miami-Dade Product Control
MIAMI-DADE COUNTY

[Professional Engineer Seal]
YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 55983
C.A.N. 559877
December 04th, 2023

AIRLIGHT BUILDING PANELS - L.M.I. / S.M.I.			
MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 Miramar Parkway #301 Miramar, FL 33027 P: 305.271.0117 www.MCYEngineering.com MCY@mcyengineering.com			
WANESSA-SUE, INC. 5056 INEZ RD. KINGMAN, AZ 86409 TEL. (928) 692-4553			
Drawn Date	12.04.2023	Scale	
Rev. No.	R2	Date	12.04.2023
Rev. By	James	Date	12.04.2023
Rev. Description	UPDATE FBC 2023	Date	12.04.2023
DRAWING NO. AD18-22			
D1			
Sheet No. 03 OF 05			



1
D2
DETAIL



2
D2
DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1206.03
Expiration Date 12/19/2024
By *[Signature]*
Miami-Dade Product Control
MIAMI-DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 55983
C.A.N. 538677
[Signature]
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
December 04th, 2023

<div><div><div><div><div>M</div><div>C</div><div>Y</div></div></div><div><div><div>12781 Miramar Parkway #301</div><div>Miramar, FL 33027</div><div>P: 305.271.0117</div></div><div><div>www.MCYEngineering.com</div><div>MCY@mcyengineering.com</div></div></div><div><div><div>MCY ENGINEERING, INC.</div><div>GLAZING CONSULTANTS</div></div></div></div></div>									
<div><div><div>AIRLIGHT BUILDING PANELS - L.M.I. / S.M.I</div><div><div><div>WANESSA-SUE, INC.</div><div>5056 INEZ RD. KINGMAN, AZ 86409</div><div>TEL. (928) 692-4553</div></div></div></div></div>									
Drawn Date 12.04.2023				Scale					
DRAWING NO.									
AD18-22									
D2									
Sheet No.									
04 OF 05									

BILL OF MATERIALS				
ITEM #	PROFILE	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	-	BOTTOM TRACK / HEADER	18 GA. STEEL (Fy=46.9 KSI MIN. Fu=60 KSI MIN.)	WANESEA-SUE
2	-	END / CAP / ANGLE	20 GA. STEEL (Fy=46.9 KSI MIN. Fu=60 KSI MIN.)	WANESEA-SUE
3	-	STEEL STUD	24 GA. STEEL (Fy=46.9 KSI MIN. Fu=60 KSI MIN.)	WANESEA-SUE
4	-	3" X 6" SHEAR PLATE	20 GA. STEEL (Fy=46.9 KSI MIN. Fu=60 KSI MIN.)	WANESEA-SUE
5	-	3" WIDTH STRAP BETWEEN PANELS	20 GA. STEEL (Fy=46.9 KSI MIN. Fu=60 KSI MIN.)	WANESEA-SUE
6	-	POLYSTYRENE PANEL	POLYSTYRENE	WANESEA-SUE
8	-	#8 X 3/4" PH SELF DRILLING SCREW	(Fy= 92 KSI MIN.)	-
9	-	DOW CORNING 790 SILICONE SEALANT	SILICONE	DOW CORNING



MIAMI-DADE COUNTY



WANESSA-SUE, INC.
5056 INEZ RD. KINGMAN, AZ 86409
TEL. (928) 692-4553

[illegible]