

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/building

NOTICE OF ACCEPTANCE (NOA)

Florida Storm Panel Supply, LLC 14475 N.W. 26th Avenue Opa Locka, Florida 33054

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: 0.035" (min.) Galvanized Steel Storm Panels Shutter

APPROVAL DOCUMENT: Drawing # AD12-31, titled "20 Ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., last revision #4 dated August 09, 2023, signed and sealed by Yiping Wang, P.E., on August 10, 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, city, state, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, 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 and renews NOA #20-1102.15 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4, E-5, E-6 & E-7 as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

Hegh. Melo-02/22/24

NOA No. 23-0816.21 Expiration Date: 01/04/2029 Approval Date: 02/22/2024

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVALS

A. DRAWINGS

1. Drawing No. 95-498, Florida Storm Panels, Inc., 20 gage Storm Panels, Sheets 1, 2, 3 and 4 of 4, prepared by Knezevich & Associates, Inc., dated 02/26/97, signed and sealed by V.J. Knezevich, P.E.

B. TESTS

- 1. Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of 20 gage storm panels, prepared by Construction Testing Corporation, Report No. CTC-95-032, dated September 26 through 29, 1995, signed and sealed by Christopher G. Tyson, P.E.
- 2. Test report on Large Missile Impact and Cyclic Wind Pressure, of 20 Gage Steel Storm Panels, prepared by Construction Testing Corp., Report No. CTC-96-009, dated February 26 & 28, 1996, signed and sealed by Christopher G. Tyson, P.E.

C. CALCULATIONS

- 1. Storm panel calculations and comparative analysis, Sheet 1 through 24, Knezevich and Associates, Inc., signed and sealed by V.J. Knezevich, P.E., dated October 2, 1995.
- 2. Storm panel calculations and comparative analysis, by Knezevich and Associates, Inc., signed and sealed by V.J. Knezevich, P.E., dated 06/14/96 and 02/26/97.

D. MATERIAL CERTIFICATION

- 1. Mill Certified Inspection Report, dated 5/26/95, for Hot Dipped Galvanized Steel, ASTM A446 by Productor de Acero Laktbal, C.A., with chemical composition and physical properties.
- 2. Tensile Test Report from QC Metallurgical, Inc., # 5IM-2162 dated 09/26/95 for galvanized steel, tested per ASTM E8-93, signed & sealed by James W. Roese, P.E.
- 3. Tensile Test Reports from QC Metallurgical, Inc., Job No. 6CM-719 dated 03/25/96 for galvanized steel, tested per ASTM E8-93, signed and sealed by Frank Grate, P.E.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #99-0105.03

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. MATERIAL CERTIFICATIONS

1. None.

Product Control Section Supervisor

NOA No. 23-0816.21

NOTICE OF ACCEPTANCE: **EVIDENCE SUBMITTED**

EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #99-0804.01 3.

DRAWINGS A.

Drawing No. 99-097, Florida Storm Panels, Inc., titled "20 Ga. Galvanized Steel Storm 1. Panel", Sheets 1, 2, 3 and 4 of 4, prepared by Knezevich & Associates, Inc., dated 07/19/99, last revision #2 dated 12/23/99, signed and sealed by V.J. Knezevich, P.E.

TESTS В.

1. None.

C. **CALCULATIONS**

- Anchor calculations, sheets 1 through 28, prepared by Knezevich and Associates, Inc., signed and sealed by V.J. Knezevich, P.E., dated July 21, 1999.
- Revised anchor calculations, sheets 1 through 8, prepared by Knezevich and 2. Associates, Inc., signed and sealed by V.J. Knezevich, P.E., dated December 29, 1999.

MATERIAL CERTIFICATIONS D.

1. None.

EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-0531.02 4.

A. **DRAWINGS**

Drawing No. 99-097, titled "20 Ga. Galvanized Steel Storm Panel", sheets 1 1. through 4 of 4, prepared by Knezevich & Associates, Inc., dated July 19, 1999, last revision #3 dated May 22, 2002, signed and sealed by V.J. Knezevich, P.E.

B. **TESTS**

1. None.

CALCULATIONS C.

None. 1.

MATERIAL CERTIFICATIONS D.

None.

EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-0826.07 5.

DRAWINGS A.

1. None.

TESTS B.

1. None.

C. **CALCULATIONS**

None.

MATERIAL CERTIFICATIONS D.

None. 1.

> 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 #06-0110.03

A. DRAWINGS

1. Drawing No. 05-536, titled "20 Ga. Galvanized Steel Storm Panel", sheets 1 through 4 of 4, prepared by Thornton-Tomasetti Group, dated January 06, 2006, last revision #0 dated January 06, 2006, signed & sealed by J.W. Knezevich, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. **Revised** Anchor Calc. for 20 Ga. Galvanized steel Storm Panels, dated 12/20/05, 24 pages, issued by Thornton-Tomasetti Group, signed & sealed by J. W. Knezevich, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

7. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 07-0817.02

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.

8. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0114.03

A. DRAWINGS

1. None.

B. TESTS

1. Test report on Large Missile Impact, Cyclic Wind Pressure and Uniform Static Air Pressure of 20 gage storm panels, prepared by Construction Testing Corporation, Report # CTC-08-018, dated 12/21/08, signed & sealed by Yamil G. Kuri, P.E.

Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor

NOA No. 23-0816.21

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Building Code Compliance Office.
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- 9. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #12-0330.15
- A. DRAWINGS
 - 1. Drawing # AD12-31, titled "20 Ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., dated March 30, 2012, signed & sealed by Yiping Wang, P.E.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Department of Permitting, Environment, and regulatory Affairs (PERA).
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- 10. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #14-0221.04
- A. DRAWINGS
 - 1. Drawing # AD12-31, titled "20 Ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., dated March 30, 2012, signed & sealed by Yiping Wang, P.E., on January 21, 2014.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.
- D. OUALITY ASSURANCE
 - 1. By Miami-Dade County Department of Regulatory and Economic Resources.
- E. MATERIAL CERTIFICATIONS

1. None.

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor NOA No. 23-0816.21

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

11. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #15-0615.07

A. DRAWINGS

1. Drawing # AD12-31, titled "20 Ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., last revision #1 dated May 27, 2015, signed & sealed by Yiping Wang, P.E., on June 02, 2015.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

12. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #17-1017.20

A. DRAWINGS

1. Drawing # AD12-31, titled "20 Ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., signed & sealed by Yiping Wang, P.E., on September 29, 2017.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. OUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Letter of Compliance with the FBC, 2017 Edition, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., on September 29, 2017.

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

NOA No. 23-0816.21

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 13. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #18-1120.03
- A. DRAWINGS
 - 1. None.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Department of Regulatory and Economic Resources.
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- F. STATEMENTS
 - 1. Letter of Compliance with the FBC, 2017 Edition, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., on September 29, 2017.
- 14. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #20-1102.15
- A. DRAWINGS
 - 1. Drawing # AD12-31, titled "20 Ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., last revision #3 dated October 28, 2020, signed and sealed by Yiping Wang, P.E., on October 28, 2020.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Department of Regulatory and Economic Resources.
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- F. STATEMENTS
 - 1. Letter of Compliance with the FBC, 2020 Edition, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., on October 28, 2020.

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

NOA No. 23-0816.21

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

15. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing # AD12-31, titled "20 Ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., last revision #4 dated August 09, 2023, signed and sealed by Yiping Wang, P.E., on August 10, 2023.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

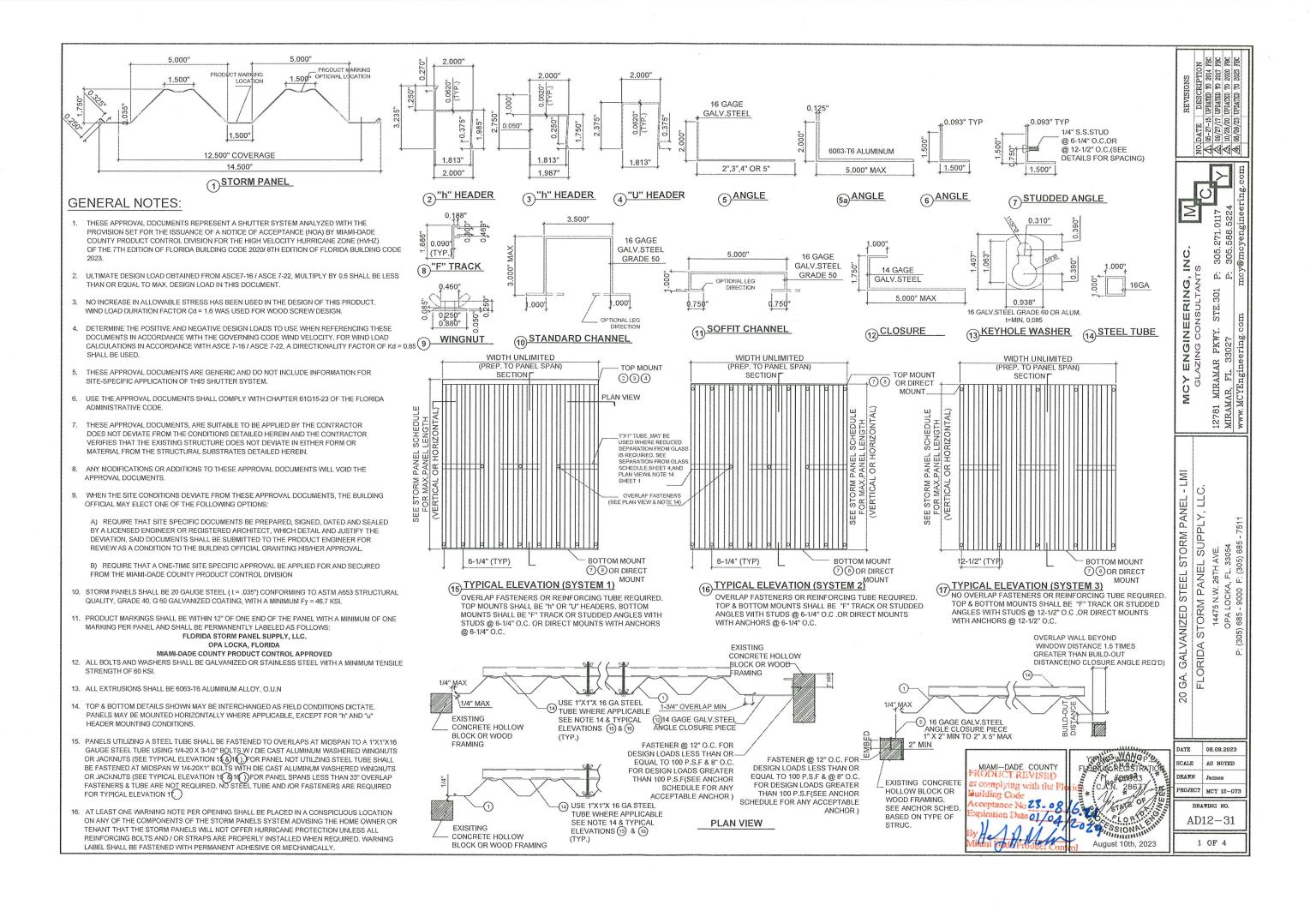
1. None.

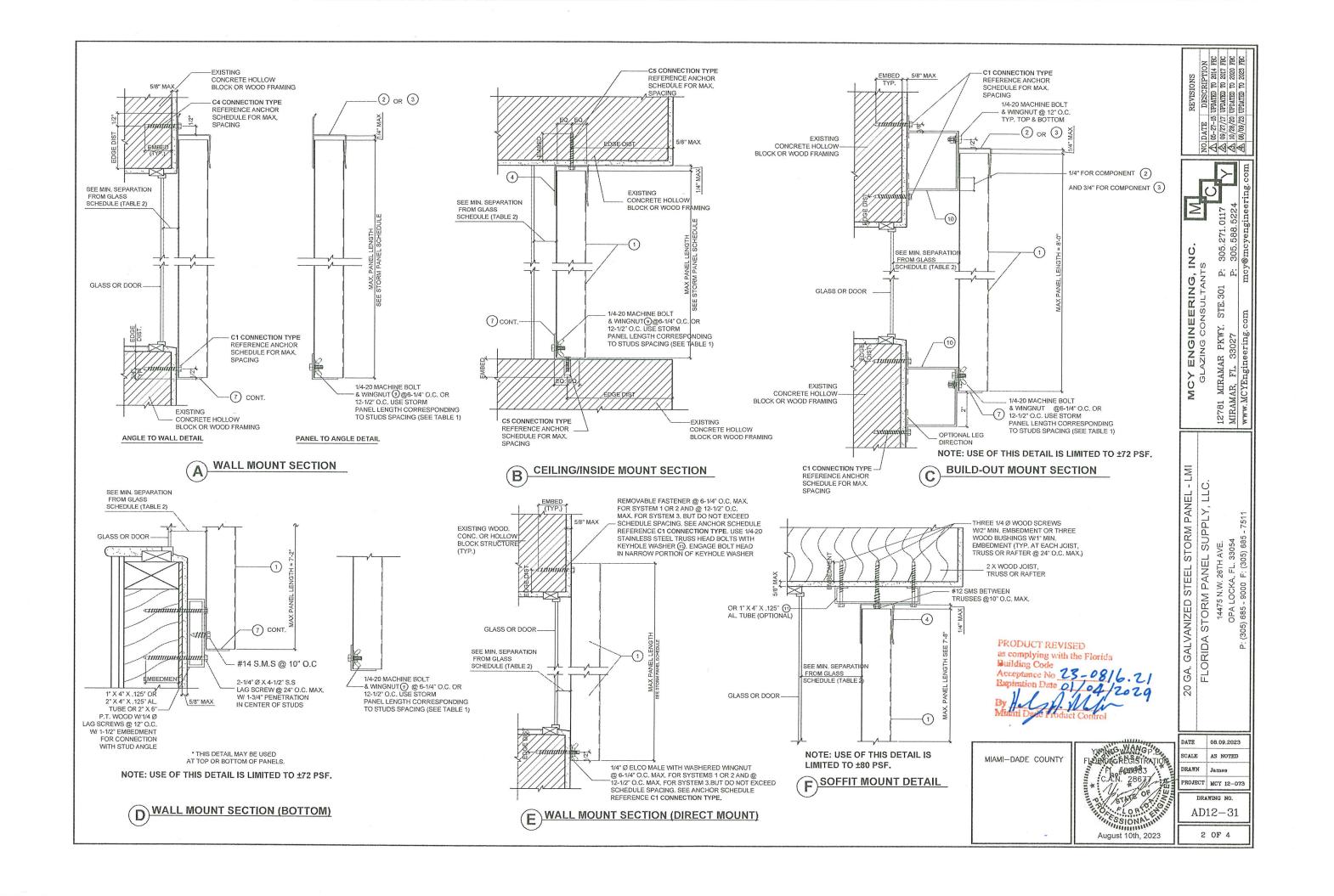
F. STATEMENTS

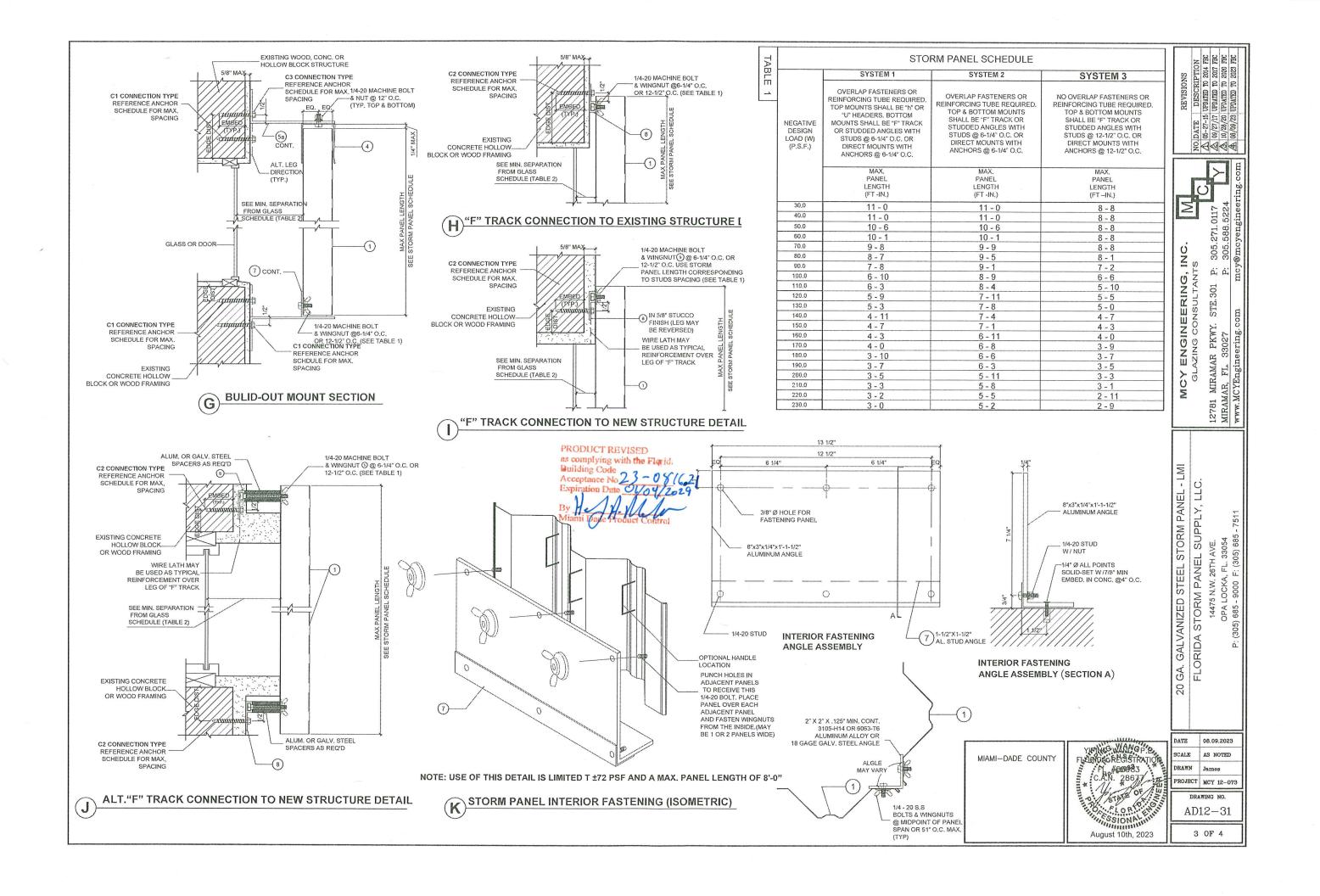
1. Letter of Compliance with the FBC, 2023 Edition, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., on August 09, 2023.

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

NOA No. 23-0816.21







				F	ASTE	ENER	MAXI	MUM	1,000				100		and the state		JLI	14. No. 14.	N LOA	ADS A	NO S	PANS										
		LOAD (W) P.S.F. MAX. (SEE NOTE		FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS MIN 2" EDGE DISTANCE N											MIN 3" EDGE DISTANCE																	
STRUC	ANCHOR TYPE		SPANS UP TO 5'-6" (SEE NOTE 1)					SPANS UP TO 8'-6" SPANS UP TO 11'-0" (SEE NOTE 1)							SPANS UP TO 5'-6" (SEE NOTE 1)				SPANS UP TO 8'-6" (SEE NOTE 1)				SPANS UP TO 11'-0" (SEE NOTE 1)									
EXISTING. STRUC.			CONNECTION TYPE (SEE NOTE 3)				CONNECTION TYPE (SEE NOTE 3)				CONNECTION TYPE (SEE NOTE 3)				CONNECTION TYPE (SEE NOTE 3)				CONNECTION TYPE (SEE NOTE 3)				CONNECTION TYPE (SEE NOTE 3)									
m		1)	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C
		48.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	9	10	12.5	12.5	12.5	6.25	8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	10	12,5	12.5	12.5	12.5	8.25	9
	1/4 *Ø ITW TAPCOM W/ 1-3/4*	62.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	6.25	8	12.5	12.5	12.5	4	6.25	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	6.25	<u> </u>	12.5		12.5	4	7
	MIN. EMBEDMENT (MIN. 3,192 P.S.I. CONCRETE)	72.0	12.5	12.5	12.5	10	10	12.5	12,5	12.5	5	7	12.5	12.5	9	3	5	12.5	12.5	12.5	11	12.5	12.5	12.5	12.5	5	-8	12.5	12.5	9	4	8.2
	P.S.I. CONGRETE	92.0	12.5		12.5	7	8	12.5	12.5	9	3	5	12.5	В	5	11	4	12.5	12.5	12.5	7	10	12.5	12.5	9	4	6.25	12.5	8	5	14	5
	* 1/4 'Ø ELCO MALE/FEMALE	200.0	12	6.25	4	44	3	11	5	3	4	3	11	5	3		3	12.5	6.25	4	2/4	4	11.	5	3	11	4	11	5	3	11	4
	"PANELMATE" W/ 1-3/4" MIN.	48.0 62.0	11	11	11		74	17	1	11	11	1/2	15		24	11	1/	12.5	12.5 12.5	12.5	12.5	12.5	12.5	12.5	12.5	9	12.5	12.5 12.5	12.5	12.5	-	-
LL.	EMBED, & 1/4-20 STAINLESS	72.0	4	4	1	11	27	4	11	1	4	1/	4	11	11	1	11	12.5	12.5	12.5	10	12.5	12.5	12.5	12.5	6.25	9	12.5	12.5	12.5	3	6.2
CONCRE	STEEL MACHINE SCREW	92.0	11	11	11	11	11	11	1/2	11	11	11	11	7.7	1	11	1	12.5	12.5	12.5	7	10	12.5	12.5	9	3	6.25	12.5	7	4	3	6.4
	WITH NUT (MIN. 3,000 P.S.L CONCRETE)	200.0	1	1	11	11	14	1	11		11	11	4	11	4	1	4	11	6.25	4	1	4	10	5	3	13	4	10	5	3	4	4
		45.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	7	11	12.5	12.5	125	5	9	12.5	12.5	12.5	12.5	12.5	12.5	-	12.5	9.	12.5	12.5	12.5	12.5	6.25	-
	* 1/4 *Ø ALL POINTS SOLID- SET ANCHOR W/ 7/8* EMBED. & 1/4-20 STAINLESS STEEL MACHINE SCREW (MIN. 3,000 P.S.I. CONCRETE)	62.0	12.5	12.5	12.5	10	12.5	12.5	12.5	12.5	5	8	12.5	12.5	12.5	3	6.25	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	6.25	11	12.5	12.5	12.5	4	9
		72.0	12.5		12.5	8	12	12.5	12,5	12.5	4	7	-	12.5		17	6	12.5	12.5	12.5	10	12,5	12.5	12.5	12.5	5	9	12.5	12.5	9	3	7
		92.0	12.5	12.5	12.5	5	9	12.5	12.5	7	11	6	10	6	3	177	A	12.5	12.5	12.5	7	12	-	12.5	9	3	7	12.5	7	4	17	6
		200.0	9	4	3	7/	4	8	4	11	11	3	8	4	11	17	3	11	0.25	4	11	5	10	5	3	17	5	10	5	3	11	5
		48.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	6.25	10	12.5	12.5	12.5	4	8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	8	12.5	12.5	12.5	12.5	5	10
	1/4 "Ø ELCO TAPCOM W/ 1- 1/2" MIN. EMBEDMENT (MIN. 3,320 P.S.I. CONCRETE)	82.0	12.5	12.5	12.5	9	12.5	12.5	12.5	12.5	4	8	12.5	12.5	11	3	6,25	12.5	12.5	12.5	12	12.5	12.5	12.5	12.5	5	10	12.5	12.5	12.5	4	7
		72.0	12.5	12.5	12.5	7	10	12.5	12.5	12.5	3	6.25	11	11	6.25	11	5	12.5	12.5	12.5	9	12.5	12.5	12.5	12.5	4	8	12.5	12.5	8	3.	6.2
		92.0	12.5	12.5	12.5	5	8	11	11	6.25	1/2	5	9	5	3	17,	4	12.5	12.5	12.5	6.25	10	12.5	12.5	8	3	6.25	11	7	4	11	5
		200.0	8	4	11	11	3	7	3	19	11	3	.7	3	11	11	3	10	5	3	11	4	9	4	3	1/2	4	9	4	3	17	4
Y	1/4 *Ø (TW TAPCOM W/ 1-3/4*	48.0	10	10	10	5.6	5.6	7.2	7.2	7.2	1/	3.2	5.6	5.6	5.6	17)	1/2	10	10	10	7.2	7,2	8.8	8.8	8.8	17	4	6.4	6.4	6.4	11	3:
ਹੈ		62.0	8.8	8.8	8.8	3.2	4	5.6	5.6	5,6	11	1/1	4	4	4.	11	17,	10	10	10	3.2	5.6	6.4	6.4	6.4	1/2	3.2	5	5	4	1/4	Z
ŏ	MIN, EMBEDMENT	72.0	8	8	8	1/2	4	5	5	5	1/1	11	4	4	11	11	11	8.8	8.8	8.8	111	4.8	5.6	5.6	5.6	11	17,	畴	4	1//	11	1/
7	33111 00 000 0100 000 000 000 000 000 00	92,0	5.6	5,6	5.6	11	3.2	4	4	1/2	11	1/2	3	11	1/2	11	11	7.2	7.2	7.2	11	3.2	4	4	12	1/1	1/2	3.2	11	11	1/2	Z
$\overline{\mathbf{\omega}}$		180.0	3	11	12	1/1	11	3	11	11	11	11	3	1/2	11	1/	1/2	4	1/1	11	11	12	3	11/1	11	11	1/1	3	11	1/1	11	11
Ш	* 1/4 *Ø ELCO MALE/FEMALE	48.0	11	11	11	11		4	14	1/2	44	1/1	11	11	11	11	14	10	10	10	9.6	8	10	10	10	3.2	5	8.8	8.8	8.8	1/	4
	"PANELMATE" W/ 1-3/4" MIN.	62.0	11	11	44	1/	11	11	11	1/	11/	11	11/	11	11	1/3	11	10	10	10	5	6.4	8.8	8.8	8.8	11	4	7.2	7.2	5,6	1/	3.
Ш	EMBED, & 1/4-20 STAINLESS STEEL MACHINE SCREW	72.0	44	11	11	14	1	11	14	44	4	1/2	11	14	14	11	1/	10	10	10	4	5,6	8	ô	8	11	3.2	5.6	5.6	3,2	1/1	4
Y	WITH NUT	92.0	11	11	11	11	4	4	4	11	11	1/	11	7	1	4	1/	9.6	9.6	9,6	11	4	5.6	5.0	3.2	14	14	4.8	11	11	11	1
U		48.0	10	10	10	10	10	10	10	10	5	6.4	10	10	10	3.2	5	4	10	10	10	10	10	10	10	5.6	8	10	10	40	22	-
CON	* 1/4 "Ø ALL POINTS SOLID-	62.0	10	10	10	7.2	7.2	10	10	10	3.2	4.8	10	10	8	1.7	3,2	10	10	10	8	10	10	10	10	3.2	5.4	10	10	6.8	3.2	5.5
	SET ANCHOR W/ 7/8* EMBED. & 1/4-20 STAINLESS STEEL MACHINE SCREW	72.0	10	10	10	5	6.4	10	10	10	11	4.0	8	8	4.8	1/	3.2	10	10	10	5.6	8,8	10	10	10	3.2	5.8	8.8	8.8	5	4	4
		92.0	10	10	10	3.2	5	8	8	4.8	1	3.2	6.4	4	//	1	17/	10	10	10	4	6.4	9.6	9.6	5	1	4	7.2	4	2	12.7	3.
		200.0	5.6	3.2	17	1/	1	5.6	17	77	17	1/1	5.6	77	1	11	1	6.4	3.2	777	73	3,2	5.6	//	7/	17	2	5.6	77	1	1	3.
30		48.0	10	10	10	5,4	7.2	8	8	8	17	4	5.8	5.6	5.6	17	3.2	10	10	10	8	8.8	10	10	10	17	5.6	7.2	7.2	7.2	11	-
7		62.0	9.6	9.6	9.6	3.2	5.6	5.6	5.6	5.6	17.	3.2	4.8	4.8	4	71	2.4	10	10	10	4	7.2	7.2	7.2	7.2	11	4	5.6	5.6	5	11	3.
li.	1/4 °Ø ELCO TAPCOM W/ 1-	72.0	.8	8	8	11	4.8	5	5	5	177	11	4	4	11	17)	2.4	10	10	10	3.2	5,6	6,4	5.4	6.4	17	3.2	5	5	111	17	17
5	1/2" MIN. EMBEDMENT	92.0	6.4	6.4	6.4	11.	3.2	4	4	11	17	1/1	3.2	11	1//	11	11	8	В	8	11	4.8	5	5	17,	11	11	4	11	17	17	1
五		180,0	3	11	1/		11	3	11	17	1/1	11	3	1/1	11	17,	11	4	1/1	11	1/	11	4	1/1	11	11	17.	4	11	1/1	11	17
-		200.0	11	11.	1/1	11	11	11	11	11/	11	17.	111	11	11.	11	11	32	11	11	11	17	3.2	11	11	1/	111	3.2	117	1.1	17.	17

. 1		LOAD	MIN. 3/4" EDGE DISTANCE															
STRUC	ANCHOR TYPE	(W) P.S.F. MAX.		(SEE	NO	 (E 1)		SPANS UP TO 8'-6" (SEE NOTE 1)					SPANS UP TO 11'-0" (SEE NOTE 1)					
EXIST.		(SEE NOTE 1)		(SEE NOTE 3) C1 C2 C3 C4 C5					(SEE NOTE 3)					(SEE NOTE 3) C1 C2 C3 C4 C5				
	Q-149444444	48.0	11	.11	11	11	11	11	11	11	11	10	11	11	11	В	7	
	(//// - + b + + + + + + + + + + + + + + + + +	62.0	11	11	11	11	11	11	11	11	8	7	11	11	11	6	6	
	LAG SCREW W/ MIN. 2" EMBED, SHEAR PARALLEL	72.0	11	11	11	11	10	11	11	11	7	6	11	11	11	5	5	
	OR PERP. TO WOOD GRAIN	92.0	11	11	11	9	8	11	11	11	5	5	11	10	6	3	4	
WOO		200.0	71	8	5	3	3	11	7	4	3	3	11	7	4	3	3	
0	A. mm	48.0	6.25	6.25	6.25	6.25		6,25	6,25	6.25	3	77	6.25	6.25	6.25	11	17	
5	* (00000)	62.0	5.25	6.25	6.25	5		6,25	6.25	6.25			6.25	6.25	6	11	1	
	7/16 WOOD BUSHING	72.0	6.25	6.25	6,25	3		6.25	6,25	6.25			6	6	3	11	1	
	W/ 5/8" MIN, EMBED, & 1/4-20 STAINLESS STEEL MACHINE SCREW	92.0	5.25	6.25	6.25			6	6	3			4	///	1/	11	1	
	MACHINE SCHEW	200.0	14	11	1//	11	1/	4	11/	///	11	1//	4	1//	11	1//	1	

Ţ	MIN. SEPARATION FROM GLASS SCHEDULE													
B L E	POSITIVE	MAX.	The venture markets	IIN, SEPAR LLATIONS ABOVE GR	MIN. SEPARATION FOR INSTALLATIONS GREATER THAN 30									
2	DESIGN LOAD (W)	PANEL LENGTH	SYSTE	1S 1 & 2	SYSTEM 3	ABOVE GRADE								
	(P.S.F.)	(FT IN.)	MIDSPAN TUBE	MIDSPAN BOLTS	NO MIDSPAN BOLTS OR TUBE REQUIRED	ALL CONDITIONS								
		5 - 7	2-1/4	2-3/8	3-1/2	1-1/8								
	40.0	8 - 5	2-1/4	2-3/8	3-1/2	1-5/8								
		8 - 8	3	3	3-1/2	1-3/4								
		11 - 0	3	3	N/A	2-7/8								
		5 - 7	2-1/4	2-3/8	3-1/2	1-1/4								
	50.0	8 - 5	2-1/4	2-3/8	3-1/2	1-7/8								
		8 - 8	3	3	3-1/2	1-7/8								
		10 - 6	3	3	N/A	3								
		5 - 7	2-1/4	2-3/8	3-1/2	1-1/4								
	60.0	8 - 5	2-1/4	2-3/8	3-1/2	2								
	60.0	8 - 8	3	3	3-1/2	2-1/8								
		10 - 1	3	3	N/A	3								
		5 - 7	2-1/4	2-3/8	3-1/2	1-1/4								
	70.0	8 - 5	2-1/4	2-3/8	3-1/2	2-1/8								
	70.0	8 - 8	3	3	3-1/2	2-1/4								
		9 - 9	3	3	N/A	3								

N / A DESIGNATES CONDITIONS WHICH ARE NOT ACCEPTABLE USES.

ANCHOR NOTES:

- 1. SPANS AND LOADS SHOWN HERE ARE FOR DETERMINING ANCHOR SPACING ONLY. ALLOWABLE STORM PANELS SPANS FOR SPECIFIC LOADS MUST BE LIMITED TO THOSE SHOWN IN TABLE 1.
- 2. ENTER ANCHOR SCHEDULE BASED ON THE EXISTING STRUCTURE MATERIAL. ANCHOR TYPE AND EDGE DISTANCE. SELECT DESIGN LOAD GREATER THAN OR EQUAL TO NEGATIVE DESIGN LOAD ON SHUTTER AND SELECT SPAN GREATER THAN OR EQUAL TO SHUTTER SPAN.
- 3. SEE MOUNTING SELECTION DETAILS FOR IDENTIFICATION OF CONNECTION TYPE.
- 4. EXISTING STRUCTURE MAY BE CONCRETE, HOLLOW BLOCK OR WOOD FRAMING. PREFERENCE ANCHOR SCHEDULE FOR PROPER ANCHOR TYPE BASED ON TYPE OF EXISTING STRUCTURE.
- 5. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
- 6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES WALL FINISH FOR STUCCO.

- 7. WHERE EXISTING STRUCTURE IS WOOD FRAMING, WOOD FRAMING CONDITIONS VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT PLYWOOD. FASTENING TO PLYWOOD IS ACCEPTABLE ONLY FOR SIDE CLOSURE PIECES.
- 8. WHERE LAG SCREWS FASTEN TO NARROW FACE ON STUD FRAMING, FASTENER SHALL BE LOCATED IN CENTER OF NOMINAL 2" X 4" (MIN.) WOOD STUD. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR WOOD FRAMING. WOOD STUD SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY. LAG SCREWS SHALL HAVE PHILLIPS PAN HEAD OR HEX HEAD.
- MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE A WAFER HEAD (SIDEWALK BOLT), U.O.N.
- 10. DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE USES.
- 11. *DESIGNATES ANCHOR WHICH ARE REMOVABLE BY REMOVING MACHINE SCREW. NUT OR WASHERED WINGNUT.

PRODUCT REVISED as complying with the Florida Code nce No 23-08/6.2/ on Date 01/04/2029

MIAMI-DADE COUNTY FL #58983 C.A.N. 28677 PSTATE OF / SSIONAL August 10th, 2023

DATE 08.09.2023 AS NOTED DRAWN James PROJECT MCY 12-073 DRAWING NO. AD12-31 4 OF 4

ENGINEERING, INC. P: HC3 STE. PKWY. MIRAMAR (AR, FL, 33 MCY GL 12781 MIF MIRAMAR, STORM PANEL

2014 2017 2020 2023

DATE 05-27-1 09/27/1 10/28/2 08/09/2 地面島西

20 GA. GALVANIZED STEEL STORM PANEL
FLORIDA STORM PANEL SUPPLY, LI
14475 N.W. 26TH AVE.
OPA LOCKA, FL. 33054
P: (305) 685 - 3000 F: (305) 685 - 7511 20