

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)

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

APPROVAL DOCUMENT: Drawing No. AD12-32, titled "22 ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., revision #3 dated October 28, 2020, signed and sealed by Yiping Wang, P.E., on October 28, 2020, 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 NOA #20-0107.04 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, and E-4 as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

Hely A. Melor 03/04/2021

NOA No. 20-1102.14 Expiration Date: 01/23/2025 Approval Date: 03/04/2021

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-1120.02

A. DRAWINGS

1. Drawing No. 02-868-111, titled "22 ga Galvanized Steel Storm Panels", sheets 1 through 4 of 4, prepared by Frank L. Bennardo, P.E., dated November 18, 2002, last revision dated January 02, 2003, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

- 1. Test report on: Uniform Static Air Pressure Test, Large Missile Impact Test and Cyclic Wind Pressure Test prepared by Construction Testing Corporation, Report No. 02-041, dated November 18, 2002, signed and sealed by Yamil G. Kuri, P.E.
- 2. Test report on fastener by Construction Testing Corporation, Report No. 02-007A, dated May 06, 2002, signed and sealed by Yamil G. Kuri, P.E.
- 3. Test report on Wood Bushings by Construction Testing Corporation, Report No. 02-038, dated October 07, 2002, signed and sealed by Yamil G. Kuri, P.E.

C. CALCULATIONS

- 1. 22 ga. Galvanized Steel Storm Panels and Anchor Calculations, sheets 1 through 26 of 26, dated November 18, 2002, prepared by Frank L. Bennardo, P.E., signed and sealed by Frank L. Bennardo, P.E.
- 2. Anchor Calculations, 9 pages, dated November 18, 2002, prepared by Frank L. Bennardo, P.E., signed and sealed by Frank L. Bennardo, P.E.

D. MATERIAL CERTIFICATIONS

- 1. Mill Certified Inspection Report.
- 2. Certified Tensile Test Report issued by Certified Testing Laboratory, Report Number 1098H, dated October 29, 2002, signed and sealed by Ramesh Patel, P.E.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 07-0817.03

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.

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

NOA No. 20-1102.14

Expiration Date: 01/23/2025 Approval Date: 03/04/2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-0410.01

A. DRAWINGS

1. Drawing No. AD12-32, titled "22 ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., dated April 02, 2012, signed and sealed by Yiping Wang, P.E., on April 06, 2012.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Dept. of Permitting, Environment, and Regulatory Affairs.

E. MATERIAL CERTIFICATIONS

1. None.

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-1210.01

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.

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #15-0615.06

A. DRAWINGS

1. Drawing No. AD12-32, titled "22 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 and sealed by Yiping Wang, P.E., on June 02, 2015.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

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

NOA No. 20-1102.14

Expiration Date: 01/23/2025 Approval Date: 03/04/2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #17-1017.19

A. DRAWINGS

1. Drawing No. AD12-32, titled "22 ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., on September 29, 2017.

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. 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.

7. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #18-1114.03

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 (RER).

E. MATERIAL CERTIFICATIONS

1. None.

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

NOA No. 20-1102.14 Expiration Date: 01/23/2025

Approval Date: 03/04/2021

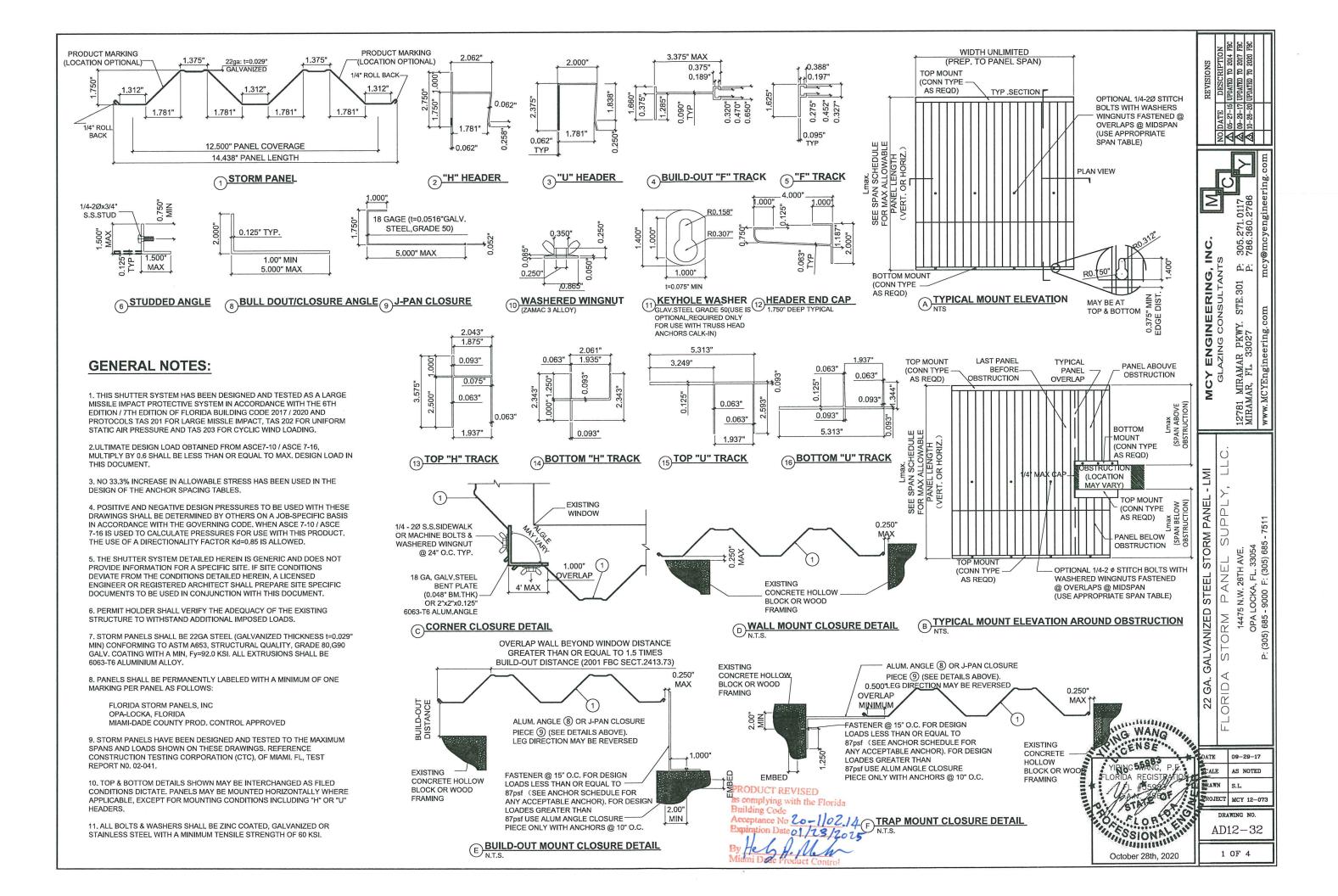
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

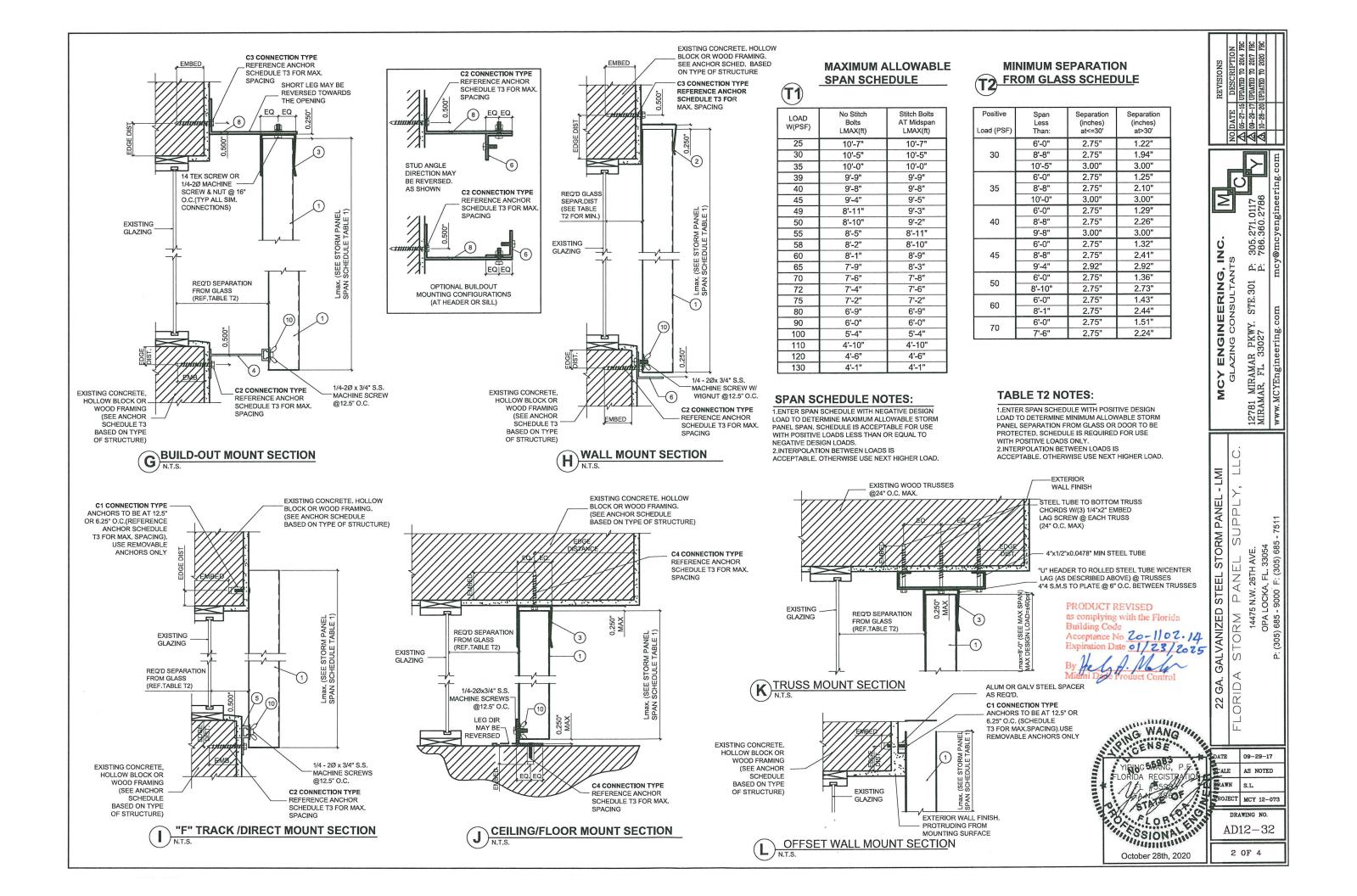
- 8. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #20-0107.04
- A. DRAWINGS
 - 1. None.
- B. TESTS
 - None.
- C. CALCULATIONS
 - 1. None.
- D. OUALITY ASSURANCE
 - 1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- F. STATEMENTS
 - 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.
- 9. NEW EVIDENCE SUBMITTED
- A. DRAWINGS
 - 1. Drawing No. AD12-32, titled "22 ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., 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 (RER).
- 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.

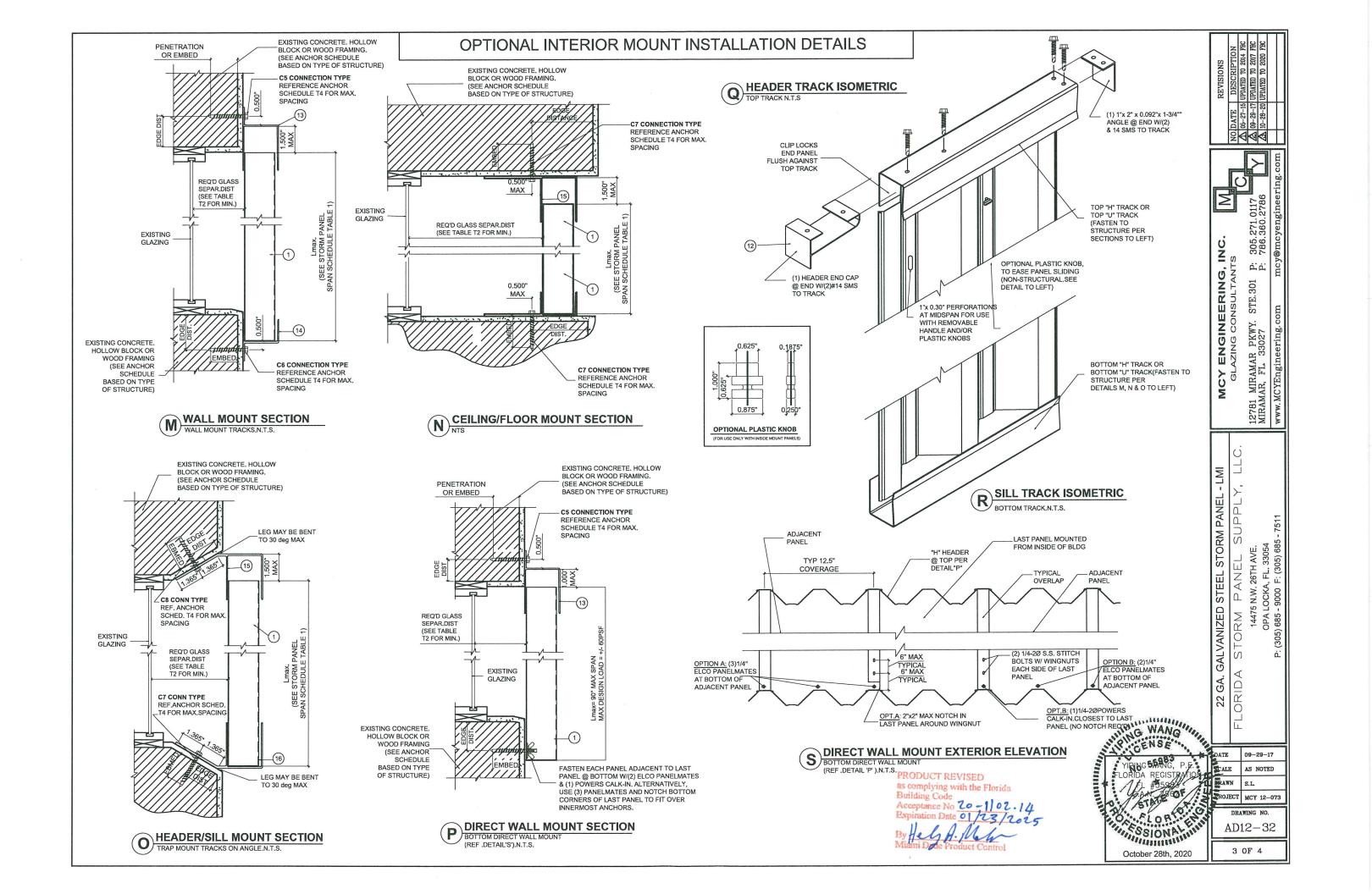
Helmy A. Makar, P.E., M.S. Product Control Section Supervisor

NOA No. 20-1102.14 Expiration Date: 01/23/2025

Approval Date: 03/04/2021







ANCHOR SPACING SCHEDULE

							2.5" EDGE DISTANCE							
EXIST STRUCT.	ANCHOR	LOAD (psf)		IS UP CONN				NS UF CONN				NS UP CONN C2		
CONCRETE	1/4" x1-3/4" EMBED ELCO TAPCON (MIN 3320 PSI CONC) Tcap(lb) = 483.00 Vcap(lb) = 475.00 1/4" x1-7/8" EMBED ALL-POINTS SOLID-SET LEAD SHIELD ANCHOR Tcap(lb) = 428 Vcap(lb) = 429	39 49 58 72 130 39 49 * 58 72 130	12.5" 12.5" 12.5" 12.5" 12.5" 12.5" 12.5" 12.5" 12.5" 12.5"	16.0" 16.0" 16.0" 16.0" 16.0" 16.0" 16.0" 16.0"	16.0" 16.0" 16.0" 13.0" 8.0" 16.0" 16.0" 11.5"	16.0" 16.0" 16.0" 14.3" 10.3" 16.0" 16.0" 12.7"	12.5" 12.5" 12.5" 12.5" 12.5" 12.5" 12.5" 12.5"	16.0" 16.0" 16.0" 16.0"	11.6" 8.9" 8.0" 8.0" 15.2" 10.2" 7.9" 7.1"	13.3" 11.1" 10.3" 10.3" 15.0" 11.8" 9.9" 9.2"	12.5" 12.5" 12.5" 12.5" 12.5" 12.5" 12.5"	16.0" 16.0" 16.0" 16.0" 16.0" 16.0" 16.0" 16.0" 16.0"	8.4" 8.0" 8.0" 8.0"	10.7" 10.3" 10.3" 10.3" 12.1" 9.5" 9.2" 9.2"
	1/4" x1-2" EMBED ELCO PANELMATE (MIN 3350 PSI CONC) Tcap(lb) = 372.00 Vcap(lb) = 565.00	39 49 * 58 72 130	12.5" 12.5" 12.5" 12.5" 12.5"	16.0" 16.0" 16.0"	16.0" 14.9" 10.0"	16.0" 16.0" 13.3"	12.5" 12.5" 12.5"	16.0" 16.0" 16.0" 16.0" 16.0"	8.9" 6.9" 6.2"	12.4" 10.4" 9.6"	12.5" 12.5" 12.5"	16.0" 16.0" 16.0" 16.0" 16.0"	9.2" 6.5" 6.2" 6.2"	9.9" 9.6" 9.6"

TA	(INSIDE MOUNT PANELS, WALL MOUNT	CHEDULE
4	(INSIDE MOUNT PANELS, WALL MOUNT)

				2.5" EDGE	DISTANCE	
EXIST STRUCT.	ANCHOR	LOAD (psf)	SPANS 5.5 CONN C5	Oft	SPANS 8.6 CONN C5	7ft
	1/4" x1-3/4" EMBED ELCO TAPCON (MIN 3320PSI CONC) Tcap(lb) = 483.00 Vcap(lb) = 475.00	39 45 55 65 72	16.0" 16.0" 16.0" 14.2" 11.0"	16.0" 16.0" 16.0" 16.0" 16.0"	16.0" 11.4" 7.5" 6.0" 6.0"	16.0" 16.0" 16.0" 16.0" 16.0"
CONCRETE	1/4" x1-7/8" EMBED ALL-POINTS SOLID-SET LEAD SHIELD ANCHOR Tcap(lb) = 428.00 Vcap(lb) = 429.00	39 45 * 55 65 72	16.0" 16.0" 16.0" 12.6" 9.8"	16.0" 16.0" 16.0" 16.0" 16.0"	14.8" 10.1" 6.6" 5.3" 5.3"	16.0" 16.0" 16.0" 16.0" 16.0"
	1/4" x1-2" EMBED ELCO PANELMATE (MIN 3350 PSI CONC) Tcap(lb) = 372.00 Vcap(lb) = 565.00	39 45 * 55 65 72	16.0" 16.0" 16.0" 11.0" 8.5"	16.0" 16.0" 16.0" 16.0" 16.0"	12.9" 8.8" 5.8" 4.6" 4.6"	16.0" 16.0" 16.0" 16.0" 16.0"

TE	ANCHOR SPACING SCHEDULI (INSIDE MOUNT PANELS. TRAP MOUNT)
	(INSIDE MOUNT PANELS, TRAP MOUNT)

					2.0" EDGE	DISTANCE	Ξ
EXIST	STRUCT.	ANCHOR	LOAD (psf)	5.5	UP TO 50ft I TYPE C8	SPANS 8.6 CONN C7	7ft
Ш	0)	1/4" x1-3/4" EMBED ELCO TAPCON (MIN 3320PSI CONC) Tcap(lb) = 386.40 Vcap(lb) = 380.00	39 45 55 65 72	16.0" 16.0" 15.2" 12.9" 11.6"	15.3" 13.2" 10.8" 9.2" 8.3"	13.6" 11.8" 9.6" 8.5" 8.5"	9.7" 8.4" 6.9" 6.0" 6.0"
	CONCRETE	1/4" x1-7/8" EMBED ALL-POINTS SOLID-SET LEAD SHIELD ANCHOR Tcap(lb) = 428.00 Vcap(lb) = 429.00	39 45 * 55 65 72	16.0" 16.0" 16.0" 14.4" 13.0"	16.0" 14.7" 12.0" 10.2" 9.2"	15.2" 13.2" 10.8" 9.5" 9.5"	10.8" 9.3" 7.6" 6.7" 6.7"
		1/4" x1-2" EMBED ELCO PANELMATE (MIN 3350 PSI CONC) Tcap(lb) = 297.60 Vcap(lb) = 282.50	39 45 * 55 65 72	16.0" 14.1" 11.5" 9.7" 8.8"	11.6" 10.1" 8.2" 7.0" 6.3"	10.3" 8.9" 7.3" 6.4" 6.4"	7.4" 6.4" 5.2" 4.6" 4.6"

		_			
	1/4" x1-1/4" EMBED	39	10.0" 12.8" 12.8" 12.6"	10.0" 12.4" 6.2"	7.9" 10.0" 10.0" 4.3" 6.3"
	ELCO TAPCON	49	10.0" 12.8" 10.1" 10.0"	5.0" 9.8" 4.2"	6.1" 5.0" 8.0" 3.0" 4.9"
		58	10.0" 12.8" 6.9" 8.4"	5.0" 8.3" 3.2"	5.2" 5.0" 7.7" 4.8"
	Tcap(lb) = 218.00	72	10.0" 10.5" 4.7" 6.6"	5.0" 7.7"	4.8" 5.0" 7.7" 4.8"
BLOCK	Vcap(lb) = 398.00	130	5.0" 7.7" 4.8"	5.0" 7.7"	4.8" 5.0" 7.7" 4.8"
의 의	1/4" x1-7/8" EMBED	39	10.0" 12.8" 12.8" 12.8"	10.0" 12.8" 10.1"	8.2" 10.0" 12.8" 7.0" 6.6"
	ALL-POINTS SOLID-SET	49	10.0" 12.8" 12.8" 10.4"	10.0" 12.8" 6.8"	6.5" 10.0" 12.8" 4.9" 5.2"
CONC	LEAD SHIELD ANCHOR	* 58	10.0" 12.8" 11.4" 8.8"	10.0" 12.8" 5.2"	5.5" 10.0" 12.7" 4.7" 5.1"
l Ö	Tcap(lb) = 358	72	10.0" 12.8" 7.6" 7.0"	10.0" 12.7" 4.7"	5.1" 10.0" 12.7" 4.7" 5.1"
	Vcap(lb) = 249	130	10.0" 12.7" 4.7" 5.1"	10.0" 12.7" 4.7"	5.1" 10.0" 12.7" 4.7" 5.1"
LOW	1/4" x1-1/4" EMBED	39	10.0" 12.8" 12.8" 9.7"	10.0" 11.6" 5.8"	6.1" 5.0" 9.4" 4.0" 4.9"
<u>ا</u> کا	ELCO PANELMATE	49	10.0" 12.8" 9.5" 7.7"	5.0" 9.2" 3.9"	4.8" 5.0" 7.5" 3.9"
HOL		* 58	10.0" 12.3" 6.5" 6.4"	5.0" 7.8" 3.0"	4.0" 5.0" 7.2" 3.7"
	Tcap(lb) = 204.75	72	5.0" 9.9" 4.4" 5.2"	5.0" 7.2"	3.7" 5.0" 7.2" 3.7"
	Vcap(lb) = 233.50	130	5.0" 7.2" 3.7"	5.0" 7.2"	3.7" 5.0" 7.2" 3.7"
			J. J		Management .

	1/4" x1-1/4" EMBED	39	12.8"	12.8"	6.0"	12.4"
	ELCO TAPCON	49	12.8"	12.8"	4.1"	10.7"
		58	8.8"	12.8"	2000 000	8.8"
×	Tcap(lb) = 218.00	72	5.1"	11.6"		7.7"
ò	Vcap(lb) = 398.00	130	4.0"	10.5"		7.7"
BLC	1/4" x1-7/8" EMBED	39	12.8"	12.8"	9.9"	12.8"
	ALL-POINTS SOLID-SET	49	12.8"	12.8"	6.8"	12.8"
S	LEAD SHIELD ANCHOR	* 58	12.8"	12.8"	4.4"	12.8"
8	Tcap(lb) = 358.00	72	8.4"	12.8"	3.5"	12.7"
	Vcap(lb) = 249.00	130	6.5"	12.8"	3.5"	12.7"
MO	1/4" x1-1/4" EMBED	39	12.8"	12.8"	5.6"	11.6"
\exists	ELCO PANELMATE	49	12.8"	12.8"	3.8"	10.0"
HOLL		* 58	8.2"	12.8"		8.2"
	Tcap(lb) = 204.75	72	4.8"	10.9"		7.2"
	Vcap(lb) = 233.50	130	3.7"	9.9"		7.2"

	1/4" x1-1/4" EMBED	39	10.0"	6.5"	6.4"	4.1"
	ELCO TAPCON	49	8.7"	5.6"	5.5"	3.6"
		58	7.1"	4.6"	4.5"	3.0"
	Tcap(lb) =174.00	72	6.0"	3.9"	4.0"	
Š	Vcap(lb) = 318.00	130	5.4"	3.6"	4.0"	
BLOC	1/4" x1-7/8" EMBED	39	12.8"	9.8"	8.3"	6.2"
	ALL-POINTS SOLID-SET	49	11.3"	8.5"	7.2"	5.4"
CONC	LEAD SHIELD ANCHOR	* 58	9.3"	6.9"	5.9"	4.4"
0	Tcap(lb) = 358.00	72	7.9"	5.9"	5.2"	3.9"
	Vcap(lb) = 249.00	130	7.1"	5.3"	5.2"	3.9"
MO.	1/4" x1-1/4" EMBED	39	8.9"	6.4"	5.6"	4.0"
HOLL	ELCO PANELMATE	49	7.7"	5.5"	4.9"	3.5"
오	A STATE OF THE STA	* 58	6.3"	4.4"	4.0"	
_	Tcap(lb) = 201.50	72	5.3"	3.8"	3.5"	
	Vcap(lb) = 198.50	130	4.8"	3.4"	3.5"	

			0.75" EDGE DISTANCE
	1/4" x 2" THREAD	39	12.5" 16.0" 16.0" 7.5" 12.5" 16.0" 12.8" 4.8" 12.5" 16.0" 8.9" 3.9
	PENETR.LAG SCREW	49	12.5" 16.0" 16.0" 6.0" 12.5" 16.0" 8.6" 3.8" 12.5" 16.0" 6.3" 3.1
		58	12.5" 16.0" 14.4" 5.1" 12.5" 16.0" 6.6" 3.2" 12.5" 16.0" 6.0"
	Tcap(lb) = 359.53	72	12.5" 16.0" 9.6" 4.1" 12.5" 16.0" 6.0" 12.5" 16.0" 6.0"
	Vcap(lb) = 82.97	130	12.5" 16.0" 6.0" 12.5" 16.0" 6.0" 12.5" 16.0" 6.0"
	#14 x 1-1/2" THREAD	39	12.5" 16.0" 16.0" 7.7" 12.5" 16.0" 8.3" 4.8" 12.5" 13.5" 5.8" 3.9
	PENETR.WOOD SCREW	49	12.5" 16.0" 13.6" 6.1" 12.5" 13.2" 5.6" 3.8" 6.25" 10.7" 4.1" 3.1
WOOD		58	12.5" 16.0" 9.3" 5.1" 6.25" 11.2" 4.3" 3.2" 6.25" 10.4" 3.9"
\>	Tcap(lb) = 234.00	72	12.5" 14.2" 6.3" 4.1" 6.25" 10.4" 3.9" 6.25" 10.4" 3.9"
	Vcap(lb) = 96.74	130	6.25" 10.4" 3.9" 6.25" 10.4" 3.9" 6.25" 10.4" 3.9"
1	7/16" x 5/8" EMBED	39	12.5" 16.0" 16.0" 13.0" 12.5" 16.0" 8.3" 8.1" 12.5" 13.4" 5.7" 6.6
	BRASS BUSHING &	49	12.5" 16.0" 13.5" 10.3" 12.5" 13.1" 5.5" 6.4" 6.25" 10.6" 4.0" 5.2
	1/4-20 SCREW	* 58	12.5" 16.0" 9.2" 8.7" 6.25" 11.1" 4.3" 5.4" 6.25" 10.3" 3.8" 5.0
	Tcap(lb) = 231.50	72	12.5" 14.0" 6.2" 6.9" 6.25" 10.3" 3.8" 5.0" 6.25" 10.3" 3.8" 5.0
	Vcap(lb) = 232.50	130	6.25" 10.3" 3.8" 5.0" 6.25" 10.3" 3.8" 5.0" 6.25" 10.3" 3.8" 5.0

			0.7	75" EDGE D	ISTANCE	
	1/4" x 2" THREAD	39	16.0"	16.0"	12.4"	16.0"
	PENETR.LAG SCREW	45	16.0"	16.0"	8.5"	16.0"
	I	55	16.0"	16.0"	5.6"	16.0"
	Tcap(lb) = 359.53	65	10.6"	16.0"	4.4"	16.0"
	Vcap(lb) = 82.97	72	8.2"	16.0"	4.4"	16.0"
	#14 x 1-1/2" THREAD	39	16.0"	16.0"	8.1"	16.0"
	PENETR.WOOD SCREW	45	16.0"	16.0"	5.5"	14.4"
WOOD	i	55	11.8"	16.0"	3.6"	11.8"
×	Tcap(lb) = 234.00	65	6.9"	15.7"		10.4"
	Vcap(lb) = 96.74	72	5.3"	14.2"		10.4"
	7/16" x 5/8" EMBED	39	16.0"	16.0"	8.0"	16.0"
	BRASS BUSHING &	45	16.0"	16.0"	5.5"	14.2"
	1/4-20 SCREW	* 55	11.7"	16.0"	3.6"	11.7"
	Tcap(lb) = 231.50	65	6.8"	15.5"		10.3"
	Vcap(lb) = 232.50	72	5.3"	14.0"		10.3"

			0.7	5" EDGE D	ISTANCE	
	1/4" x 2" THREAD	39	7.5"	6.5"	4.8"	4.2"
	PENETR.LAG SCREW	45	6.5"	5.7"	4.1"	3.6"
		55	5.3"	4.6"	3.4"	
	Tcap(lb) = 359.53	65	4.5"	3.9"		
	Vcap(lb) = 82.97	72	4.1"	3.5"		
	#14 x 1-1/2" THREAD	39	7.7"	6.2"	4.9"	3.9"
۵	PENETR.WOOD SCREW	45	6.6"	5.4"	4.2"	3.4"
WOOD		55	5.4"	4.4"	3.4"	
×	Tcap(lb) = 234.00	65	4.6"	3.7"	3.0"	
	Vcap(lb) = 96.74	72	4.1"	3.3"	3.0"	
	7/16" x 5/8" EMBED	39	13.0"	9.2"	8.2"	5.8"
	BRASS BUSHING &	45	11.2"	8.0"	7.1"	5.1"
	1/4-20 SCREW	* 55	9.2"	6.5"	5.8"	4.1"
	Tcap(lb) = 231.50	65	7.8"	5.5"	5.1"	3.7"
	Vcap(lb) = 232.50	72	7.0"	5.0"	5.1"	3.7"

ANCHOR NOTES:

- 1. SPANS AND LOADS SHOWN HERE ARE FOR DETERMINING ANCHOR SPACING ONLY, ALLOWABLE STORM PANEL SPANS FOR SPECIFIC LOADS MUST BE LIMITED TO THOSE SHOWN IN MAX ALLOWABLE SPAN SCHEDULE (TABLE 'T1'). 2. ENTER ANCHOR SCHEDULE BASED ON THE EXISTING STRUCTURE MATERIAL & ANCHOR TYPE. SELECT DESIGN LOAD GREATER THAN OR EQUAL TO NEGATIVE DESIGN LOAD ON SHUTTER AND SELECT SPAN GREATER THAN OR EQUAL TO SHUTTER SPAN.
- 3. SELECT CONNECTION TYPE BASED ON APPROPRIATE MOUNTING CONDITION (SEE MOUNTING DETAILS ON SHEETS 2 & 3 FOR IDENTIFICATION OF CONNECTION TYPE).
- 4. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- 5. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT PLYWOOD, FASTENING TO PLYWOOD IS ACCEPTABLE ONLY FOR SIDE CLOSURE PIECES.

6. WHERE LAG SCREWS FASTEN TO NARROW FACE OF 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 SCREW SHALL HAVE PHILLIPS PAN HEAD OR HEX HEAD.

7.* DESIGNATED REMOVABLE ANCHORS, WHICH ARE REQUIRED FOR DIRECT MOUNT INSTALLATIONS. 8. MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD (SIDEWALK BOLT).

9. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO OR OTHER WALL FINISHES. as complying with the Flori 10. DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE FOR USE.

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-	DATE	09-29-17
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	RAWN	S.L.
05//3	PROJECT	MCY 12-07
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AD12-32 4 OF 4

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RODUCT REVISED

as complying with the Florida

Building Code

Acceptance No 20-1/02/4

Expiration Date 01/23/20 z

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305.271.0117 305.2786.360.2786

MCY ENGINEERING, INC. GLAZING CONSULTANTS ᅜᅜ STE. 301

12781 MIRAMAR PKWY. MIRAMAR, FL 33027

SUPPL

STORM

22 GA. GALVANIZED STEEL STORM PANEL - LMI