

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

NOTICE OF ACCEPTANCE (NOA)

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

PRODUCT CONTROL SECTION

MIAMI-DADE COUNTY

High Velocity Hurricane Protection Systems, Inc. 3827 Progress Ave. Naples, FL 34104

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: Category 5 Aluminum Hurricane Abatement System – L.M.I.

APPROVAL DOCUMENT: Drawing No. 23-61997, titled "Category 5 Rolling Hurricane Curtain", sheets 1 through 6 of 6, dated 04/15/2009, with last revision dated 09/21/2023, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E., on 10/03/23, bearing the Miami-Dade County Product Control renewal 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 unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", 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 renews NOA #23-1010.08 and consists of this page 1 and evidence submitted pages E-1, E-2, E-3, E-4, and E-5, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

Help. Mehr 05/09/24

NOA No. 24-0321.04 Expiration Date: 08/12/2029 Approval Date: 05/09/2024 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAS

A. DRAWINGS "Submitted under NOA # 15-0324.05"

1. Drawing No. **14-2099**, titled "Category 5 Rolling Hurricane Curtain", sheets 1 through 5 of 5, dated 04/15/2009, with last revision dated 03/17/2015, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS "Submitted under NOA # 10-0831.07"

- 1. Test reports on Uniform Static Air Pressure Test per TAS 202 of Category 5 Rolling Hurricane Curtain, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-10-3000**, dated 02/12/2010, signed and sealed by Candido F. Font, P.E.
- 2. Test reports on Large Missile Impact Test per TAS 201-94 and Cyclic Wind Loading Test per TAS 203-94 of Category 5 Rolling Hurricane Curtain, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-10-3001**, dated 02/12/2010, signed and sealed by Candido F. Font, P.E.

"Submitted under NOA # 09-0511.02"

- 3. Test reports on Uniform Static Air Pressure Test per TAS 202 of Category 5 Dual End Retention Rolling Hurricane Curtain, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-09-2503A**, dated 01/30/2009, signed and sealed by Candido F. Font, P.E.
- 4. Test reports on Large Missile Impact Test per TAS 201-94 and Cyclic Wind Loading Test per TAS 203-94 of Category 5 Dual End Retention Rolling Hurricane Curtain, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-09-2503B**, dated 01/30/2009, signed and sealed by Candido F. Font, P.E.
- Test reports on Uniform Static Air Pressure Test per TAS 202 of Category 5 Dual End Retention Rolling Hurricane Curtain, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-09-2504A**, dated 01/30/2009, signed and sealed by Candido F. Font, P.E.
- 6. Test reports on Large Missile Impact Test per TAS 201-94 and Cyclic Wind Loading Test per TAS 203-94 of Category 5 Dual End Retention Rolling Hurricane Curtain, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-09-2504B**, dated 01/30/2009, signed and sealed by Candido F. Font, P.E.
- 7. Test reports on Uniform Static Air Pressure Test per TAS 202 of Category 5 Dual End Retention Rolling Hurricane Curtain, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-09-2505A**, dated 01/30/2009, signed and sealed by Candido F. Font, P.E.

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor NOA No. 24-0321.04

Expiration Date: 08/12/2029 Approval Date: 05/09/2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (Continued)

- 8. Test reports on Large Missile Impact Test per TAS 201-94 and Cyclic Wind Loading Test per TAS 203-94 of Category 5 Dual End Retention Rolling Hurricane Curtain, prepared by Hurricane Engineering & Testing, Inc., Report No. **HETI-09-2505B**, dated 01/30/2009, signed and sealed by Candido F. Font, P.E.
- 9. Test report on Tensile Test of Category 5 Dual End Retention Rolling Hurricane Curtain Slats, Test Report No. **HETI-09-T100**, prepared by Hurricane Engineering & Testing, Inc., dated 01/30/2009, signed and sealed by Candido F. Font, P.E.

C. CALCULATIONS "Submitted under NOA # 15-0324.05"

1. Anchoring calculations and comparative analysis prepared Engineering Express, dated 03/17/2015, signed and sealed by Frank L. Bennardo, P.E

"Submitted under NOA # 14-0811.18"

2. Anchoring calculations and comparative analysis prepared Engineering Express, dated 08/07/2014, signed and sealed by Frank L. Bennardo, P.E

"Submitted under NOA # 10-0831.07"

3. Anchoring calculations and comparative analysis prepared Engineering Express, sheets 1 through 12 of 12, dated 08/25/2010, signed and sealed by Frank L. Bennardo, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS "Submitted under NOA # 15-0324.05"

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Engineering Express, dated 03/17/2015, signed and sealed by Frank L. Bennardo, P.E.

"Submitted under NOA # 14-0811.18"

2. Statement letter of code conformance to FBC 2010 issued by Engineering Express, dated 10/03/2013, signed and sealed by Frank L. Bennardo, P.E.

"Submitted under NOA # 10-0831.07"

3. No financial interest letter issued by Engineering Express, dated 08/25/2010, signed and sealed by Frank L. Bennardo, P.E.

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

Product Control Section Supervisor NOA No. 24-0321.04

Expiration Date: 08/12/2029

Approval Date: 05/09/2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #18-0301.03

- A. DRAWINGS
 - 1. Drawing No. 14-2099, titled "Category 5 Rolling Hurricane Curtain", sheets 1 through 5 of 5, dated 04/15/2009, with last revision dated 02/23/2017, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, 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 6th Edition (2017) FBC issued by Engineering Express, dated 02/23/2018, signed and sealed by Frank L. Bennardo, P.E.
- 3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #19-0528.01
- A. DRAWINGS
 - 1. None.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - By Miami-Dade Department of Regulatory and Economic Resources (RER).
- E. MATERIAL CERTIFICATIONS
 - 1. None.
- F. STATEMENTS
 - 1. Statement letter of code conformance to the 6th Edition (2017) FBC issued by Engineering Express, dated 05/16/2019, signed and sealed by Frank L. Bennardo, P.E.

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

Product Control Section Supervisor

NOA No. 24-0321.04 Expiration Date: 08/12/2029 Approval Date: 05/09/2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #20-1102.10

DRAWINGS A.

Drawing No. 20-29523, titled "Category 5 Rolling Hurricane Curtain", sheets 1 1. through 5 of 5, dated 04/15/2009, with last revision dated 10/19/2020, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E., on 10/27/20.

B. **TESTS**

1. None.

C. **CALCULATIONS**

1. None.

QUALITY ASSURANCE D.

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

MATERIAL CERTIFICATIONS E.

1. None.

STATEMENTS F.

Statement letter of code conformance to the 7th Edition (2020) FBC issued by Engineering Express, dated 10/19/2020, signed and sealed by Frank L. Bennardo, P.E.

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #23-1010.08

A. **DRAWINGS**

Drawing No. 23-61997, titled "Category 5 Rolling Hurricane Curtain", sheets 1 1. through 6 of 6, dated 04/15/2009, with last revision dated 09/21/2023, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E., on 10/03/23.

В. **TESTS**

1. None.

CALCULATIONS C.

1. None.

D. **OUALITY ASSURANCE**

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

MATERIAL CERTIFICATIONS E.

1. None.

F. **STATEMENTS**

Statement letter of code conformance to the 8th Edition (2023) FBC issued by 1. Engineering Express, dated 09/25/2023, signed and sealed by Frank L. Bennardo, P.E.

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

NOA No. 24-0321.04 Expiration Date: 08/12/2029

Approval Date: 05/09/2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 6. NEW EVIDENCE SUBMITTED
- A. DRAWINGS

1. None.

- B. TESTS
 - 1. None.
- C. CALCULATIONS

1. None.

- D. QUALITY ASSURANCE
 - 1. By 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) FBC issued by Engineering Express, dated 03/14/2024, signed and sealed by Frank L. Bennardo, P.E.

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

Product Control Section Supervisor

NOA No. 24-0321.04 Expiration Date: 08/12/2029

Approval Date: 05/09/2024

HIGH VELOCITY HURRICANE PROTECTION SYSTEMS, INC.

CATEGORY 5 ROLLING HURRICANE CURTAIN LARGE MISSILE IMPACT RESISTANT (MISSILE LEVEL D) VALID FOR USE INSIDE AND OUTSIDE THE HVHZ (SEE LIMITATIONS HEREIN)

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. A DESIGN PROFESSIONAL SHALL BE RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION.

OCTOBER 3, 2023

STEMS, INC. APLES, FL 34104 N SYST AVE, NAP

HIGH PROTE 3827 PI

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23-61997

SCALE: NTS UNLESS NOTED

TERMINOLOGY:

PAGE INDEX:

COVER PAGE

TYP. ELEV.

DESCRIPTION

TYP. SECTION, EXT/INT MOUNTS

TYP. EXT/INT BO TUBE MOUNTS

TABLES 1 & 2: DESIGN SCHEDULES

THE FOLLOWING ABBREVIATIONS MAY APPEAR IN THIS APPROVAL:

"ADDTL." FOR "ADDITIONAL", "AHJ" FOR "AUTHORITY HAVING JURISDICTION", "ALUM" FOR "ALUMINUM, "ASD" FOR "ALLOWABLE STRESS DESIGN", "BO" FOR "BUILD-OUT", "CS" FOR "CARBON STEEL", "EA." FOR "EACH", "E.D."/"EDGE"/"EDGE DIST." FOR "EDGE DISTANCE", "ELEV" FOR "ELEVATION", "EMBED" FOR "EMBEDMENT", "EQ"/"EQUIV." FOR "EQUIVALENT", "EXT" FOR "EXTERIOR", "FBC" FOR "FLORIDA BUILDING CODE", "ft" OR " ! " FOR "FEET", "G" FOR "SPECIFIC GRAVITY", "GA" FOR "GAUGE", "GALV" FOR "GALVANIZED", "GFB" FOR "GROUT-FILLED BLOCK", "GR" FOR "GRADE", "HOLLOW" FOR "HOLLOW BLOCK", "HORIZ" FOR "HORIZONTAL", "HVHZ" FOR "HIGH-VELOCITY HURRICANE ZONE", "in" OR " " " FOR "INCHES", "INT" FOR "INTERIOR", "KSI" FOR "1,000 lb / in2", "L" FOR "LENGTH", "LB" FOR "POUND", "MAX" FOR "MAXIMUM, "MIN" FOR "MINIMUM", "N.T.S." FOR "NOT TO SCALE", "O.C." FOR "ON-CENTER", "P.E." FOR "PROFESSIONAL ENGINEER", "PERP" FOR "PERPENDICULAR", "PSF" FOR "POUNDS PER SQUARE FOOT (Ib/ft2)", "PSI" FOR "POUNDS PER SQUARE INCH (lb/in2)", "QTY" FOR "QUANTITY", "REF." FOR "REFERENCE", "SCHED." FOR "SCHEDULE", "SDS" FOR "SELF-DRILLING SCREWS", "SMS" FOR "SHEET METAL SCREWS", "SPECS" FOR "SPECIFICATIONS", "SS" FOR "STAINLESS STEEL", "SUB" FOR "SUBMITTAL", "TAS" FOR "TESTING APPLICATION STANDARD", "TYP." FOR "TYPICAL", "ULT" FOR "ULTIMATE LOADS", "U.N.O." FOR "UNLESS NOTED OTHERWISE", "UTS" OR "Fu" FOR "ULTIMATE TENSILE STRENGTH/STRESS", "VERT" FOR "VERTICAL", "WLL" FOR "WORKING LOAD LIMIT", "W/" FOR "WITH", "W/O" FOR "WITHOUT", "YS" FOR "YIELD STRENGTH", "#" FOR "NUMBER", "%" FOR "AND", AND "Ø" FOR "DIAMETER".

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CONTACT ENGINEERING EXPRESS FOR ADDITIONAL ABBREVIATION/TERMINOLOGY CLARIFICATIONS.

PRODUCT RENEWED as complying with the Florida

PRODUCT REVISED as complying with the Florida

NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID FOR USE IN **FLORIDA ONLY**. USE OF THIS EVALUATION REQUIRES A REVIEW & CERTIFICATION BY A LOCAL DESIGN PROFESSIONAL WHO SHALL BE RESPONSIBLE FOR THE PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT ENGINEERING EXPRESS FOR ASSISTANCE WITH YOUR PROJECT-SPECIFIC NEEDS & FOR ADAPTATION & CERTIFICATION OF THIS DOCUMENT OUTSIDE OF FLORIDA.

GENERAL NOTES:

- 1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED AS AN IMPACT RESISTANT HURRICANE ABATEMENT PRODUCT IN ACCORDANCE WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023), FOR USE INSIDE AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ), PER TAS 201 / 202 / 203 TEST STANDARDS.
- POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED PER SEPARATE ENGINEERING IN ACCORDANCE WITH THE GOVERNING CODE. PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7 AND CHAPTER 1609 OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
- PRESSURE VALUES IN THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES UNLESS
- 4. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.
- 7. ALL EXTRUSIONS SHALL BE OF THE MATERIALS INDICATED HEREIN.
- ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI, UNLESS OTHERWISE NOTED HEREIN, FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.7.2 BY THE ALUMINUM ASSOCIATION IN.C, AND ANY APPLICABLE FEDERAL, STATE
- REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
- 10. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- 11. THE SYSTEM SHALL BE LABELED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND MIAMI-DADE REQUIREMENTS.
- 12. ENGINEER SEAL AFFIXED HERETO VALIDATE STRUCTURAL DESIGN AS SHOWN ONLY, USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES ÍNCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE & FEDERAL CODES & FROM DEVIATIONS OF
- 13. ALTERATIONS, ADDITIONS, AND OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- 14. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

POSTAL ADDRESS: 2234 NORTH FEDERAL HWY #7664 BOCA RATON, FL 33431 ENGINEERINGEXPRESS.COM EXPRESS.

OCTOBER 3, 2023

FRANK BENNARDO, P.E. PE# 0046549 CA# 9885

HIGH VELOCITY HURRICANE
PROTECTION SYSTEMS, INC.
3827 PROGRESS AVE, NAPLES, FL 34104
(239) 403-2650
CATEGORY 5 ROLLING HURRICANE CURTAIN
FLORIDA BUILDING CODE EIGHTH EDITION (2023)
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

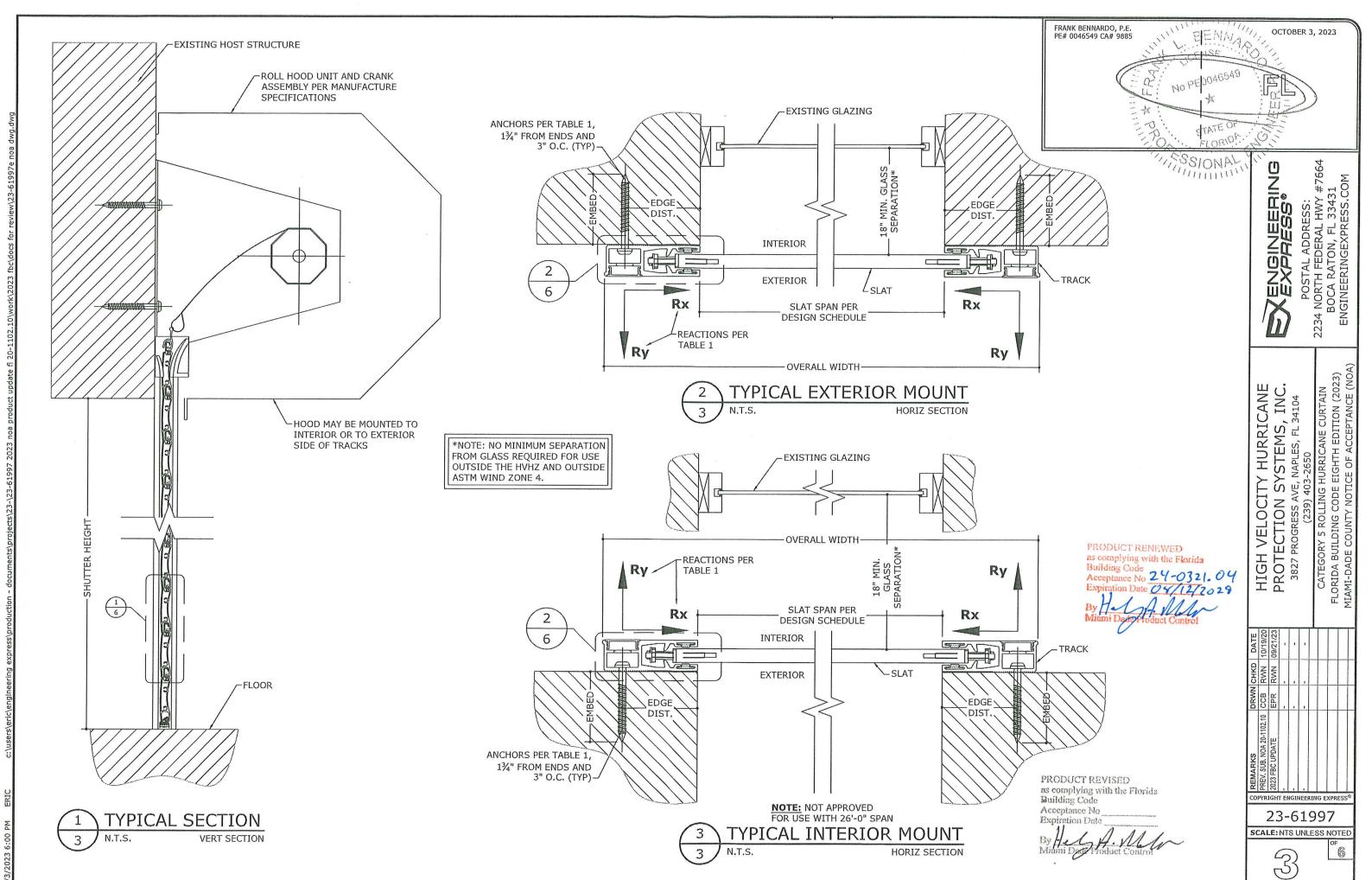
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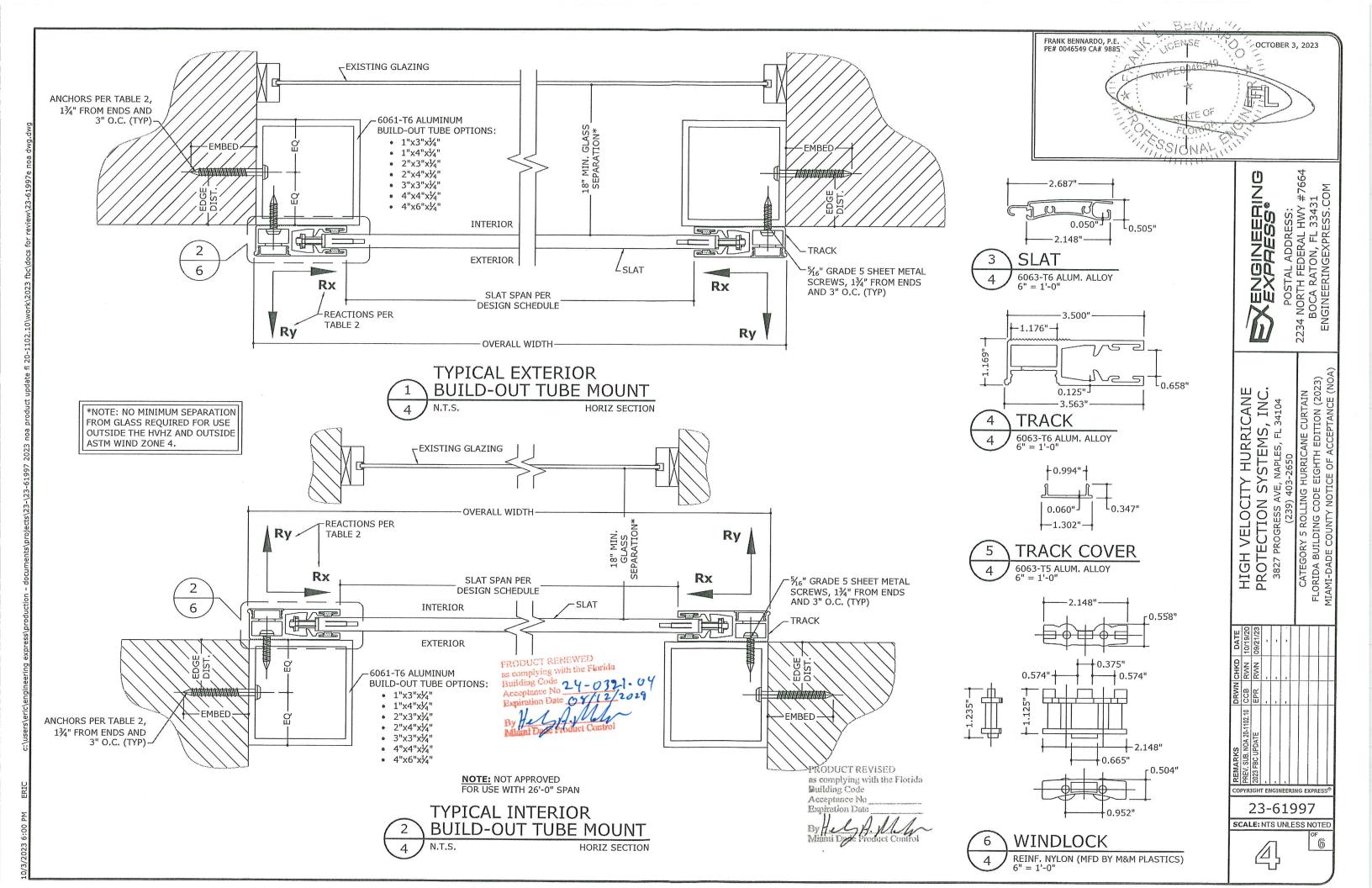
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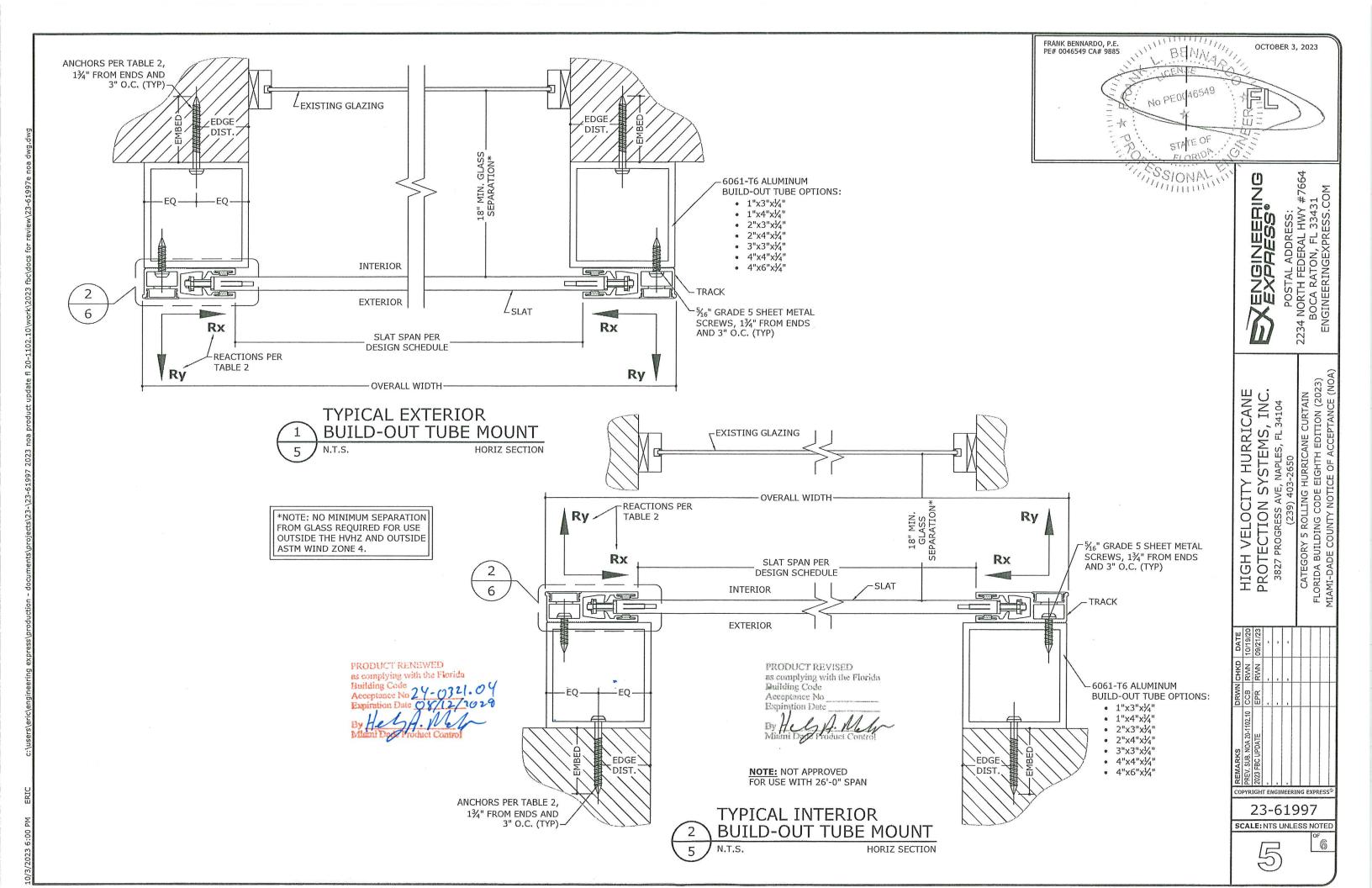
SCALE: NTS UNLESS NOTED

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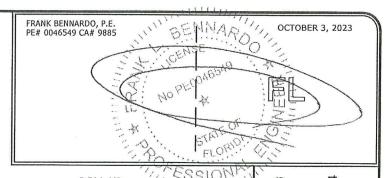


*NOTE: 26'-0" SPAN IS NOT APPROVED FOR INTERIOR MOUNT CONDITIONS

TABLE 2: BUILD-OUT TUBE MOUNT INSTALLATION

SUBSTRATE	ANCHOR TYPE								SLAT	SPAN							
		12'-0"				16'-0"				20'-0"				26'-0"*			
		ALLOWABLE DESIGN PRESSURES (PSF)		REACTIONS (LB/FT)		ALLOWABLE DESIGN PRESSURES (PSF)		REACTIONS (LB/FT)		ALLOWABLE DESIGN PRESSURES (PSF)		REACTIONS (LB/FT)		ALLOWABLE DESIGN PRESSURES (PSF)		REACTIONS (LB/FT)	
		+		Ry	Rx	+	-	Ry	Rx	+	-	Ry	Rx	+	-	Ry	Rx
A36 STEEL (3/16" MIN)	5/16" GRADE 5 SHEET METAL SCREW	80.0	0,08	480,0	2560,0	70.3	73.1	585.0	2647.5	44.7	40.7	447.5	2772.6	27.2	32.6	424.4	2815.2
6061-T6 ALUMINUM (1/4" MIN)	5/16" GRADE 5 SHEET METAL SCREW	80.0	80.0	480,0	2560,0	70.3	73.1	585.0	2647,5	44,7	40.7	447.5	2772.6	27.2	32,6	424.4	2815.2
CONCRETE (3000 PSI MIN)	5/16" ITW TAPCON WITH 2-1/4" MIN EMBED AND 3-1/8" MIN EDGE DISTANCE	59.2	59.6	357.7	1895.7	49.3	51.3	410.5	1859.6	31.6	28.7	315,6	1958,4	19,3	23.0	299.5	1992.3
	3/8" HILTI HIT-RE 500 EPOXY ANCHOR WITH 4-1/2" MIN EMBED, 4" MIN EDGE DISTANCE AND S.S. HAS ROD	80.0	80.0	480.0	2560,0	70.3	73.1	585.0	2647.5	44.7	40.7	447.5	2772.6	27.2	32,6	424.4	2815,2
	3/8" DEWALT SCREW-BOLT WITH 3-1/2" MIN EMBED AND 3" MIN EDGE DISTANCE	80.0	80.0	480,0	2560,0	70,3	73.1	585,0	2647.5	44.7	40.7	447.5	2772.6	27.2	32,6	424.4	2815,2
GROUT- FILLED BLOCK	5/16" ITW TAPCON WITH 2-1/4" MIN EMBED AND 4" MIN EDGE DISTANCE	54.3	54.7	328.0	1738.0	45,3	47.1	377.2	1707,5	28.9	26.3	288.9	1790.7				

*NOTE: 26'-0" SPAN IS NOT APPROVED FOR INTERIOR MOUNT CONDITIONS



PRODUCTREVISED as complying with the Florida **Duilding Code** Acceptance No Expination Date

SHUTTER BUMBER SLARODUCT RENEWED THICK SLAT LINER

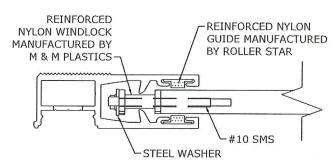




TABLE NOTES

- 1. DETERMINE WHICH MOUNTING CONDITION IS APPLICABLE AND SELECT TABLE 1 OR 2 ACCORDINGLY.
- TO DETERMINE THE ALLOWABLE DESIGN PRESSURES AND REACTIONS, MATCH THE ANCHOR TYPE WITH THE CORRESPONDING SLAT SPAN.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- EDGE DISTANCE OF 1/2" IS ACCEPTABLE FOR ANCHORS TO STEEL OR ALUMINUM
- MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL
- MACHINE SCREWS SHALL BE INSTALLED WITH FULL ENGAGEMENT OF THREADS INTO METAL HOST STRUCTURE AND MAY HAVE EITHER A FLAT HEAD, PAN HEAD, TRUSS HEAD, OR OTHER HEAD STYLES.

DENOTES CONDITIONS NOT APPROVED FOR USE.

03-2650 5 HURRICANE CURTAIN E EIGHTH EDITION (2023) TICE OF ACCEPTANCE (NOA, HURRICANE 'STEMS, INC. NAPLES, FL 34104 ITY HURRIC SYSTEMS, AVE, NAPLES, FL 3 AVE, HIGH VELOCIT
PROTECTION (
3827 PROGRESS AV

234 NORTH FEDERAL HWY # BOCA RATON, FL 33431 ENGINEERINGEXPRESS.CC

EXP

SCALE: NTS UNLESS NOTED 6

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23-61997