



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](http://www.miamidade.gov/economy)

## NOTICE OF ACCEPTANCE (NOA)

**Hurricane Fabric, LLC**  
**1505 Poinsettia Drive Suite H-3**  
**Delray Beach, Florida 33444**

### 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: "Astro Guard " Flexible Wind Abatement System

**APPROVAL DOCUMENT:** Drawing No. 23-59904, titled " Astro Guard Wind Abatement System ", sheets 1 through 12 of 12, prepared by Engineering Express, dated December 06, 2023, last revision dated December 06, 2023, signed and sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number & 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, Delray Beach, FL and the 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 revises NOA #20-1102.08 and consists of this page 1, evidence submitted pages E-1, E-2 & E-3 as well as approval document mentioned above.

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



*Helmy A. Makar*  
04/04/24

NOA No. 23-1215.08  
Expiration Date: 10/20/2025  
Approval Date: 04/04/2024

**Hurricane Fabric, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 10-0607.02**

**A. DRAWINGS**

1. *Drawing No. 09-0408, titled " Astro Guard Wind Abatement System ", sheets 1 and 2 of 2, prepared by MEA Engineers, Inc., dated May 04, 2009, last revision #2 dated September 22, 2010, signed and sealed by John H. Kampmann Jr., P.E.*

**B. TESTS**

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of Astro Guard Hurricane Fabric Flexible Hurricane Wind Abatement System, prepared by Fenestration Testing Laboratory, Inc., Report No. 08-541, dated January 13, 2009, signed and sealed by Jorge A. Causo, P.E.*

**C. CALCULATIONS**

1. *Comparative Analysis and Anchor calculations dated January 8, 2009, 10 pages, prepared by MEA Engineering, Inc., signed and sealed by John H. Kampmann Jr., P.E.*
2. *Comparative Analysis and Anchor calculations dated September 11, 2010, 8 pages, prepared by MEA Engineering, Inc., signed and sealed by John H. Kampmann Jr., P.E.*

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. *Fabric specifications.*

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-1004.02**

**A. DRAWINGS**

1. *Drawing No. 12-HFC-04, titled " Astro Guard Wind Abatement System ", sheets 1 through 11 of 11, prepared by Engineering Express, dated July 16, 2012, last revision dated March 22, 2013, signed & sealed by Frank L. Bennardo, P.E., on 03/25/2013.*

**B. TESTS**

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of Astro Guard Hurricane Fabric Flexible Hurricane Wind Abatement System, prepared by Fenestration Testing Laboratory, Inc., Report No. 10-541, LAB #6359, dated 09/11/2012, signed and sealed by Marlin D. Brinson, P.E.*
2. *Test report on Large Missile Impact Test of Aluminum Storm Bar, prepared by Fenestration Testing Laboratory, Inc., Report No. 12-541, LAB #6384, dated July 11, 2012, signed and sealed by Marlin D. Brinson, P.E.*

**C. CALCULATIONS**

1. *Comparative Analysis and Anchor calculations dated September 26, 2012, 56 pages, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.*



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

**NOA No. 23-1215.08**

**Expiration Date: 10/20/2025**

**Approval Date: 04/04/2024**



**Hurricane Fabric, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. *Fabric specifications.*

**3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 15-0316.09**

**A. DRAWINGS**

1. *Drawing No. 14-2202, titled " Astro Guard Wind Abatement System ", sheets 1 through 11 of 11, prepared by Engineering Express, dated July 16, 2012, last revision dated February 27, 2015, signed and sealed by Frank L. Bennardo, P.E.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *Comparative Analysis and Anchor calculations dated March 03, 2015, 59 pages, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.*

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 18-0118.03**

**A. DRAWINGS**

1. *Drawing No. 14-2202, titled " Astro Guard Wind Abatement System ", sheets 1 through 11 of 11, prepared by Engineering Express, dated July 16, 2012, last revision dated January 05, 2018, signed and sealed by Frank L. Bennardo, P.E.*

**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.*



Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor  
NOA No. 23-1215.08  
Expiration Date: 10/20/2025  
Approval Date: 04/04/2024

**Hurricane Fabric, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 20-1102.08**

**A. DRAWINGS**

1. *Drawing No. 20-29194, titled "Astro Guard Wind Abatement System", sheets 1 through 11 of 11, prepared by Engineering Express, dated July 16, 2012, last revision dated October 19, 2020, signed and sealed by Frank L. Bennardo, P.E.*

**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.*

**6. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. 23-59904, titled "Astro Guard Wind Abatement System", sheets 1 through 12 of 12, prepared by Engineering Express, dated December 06, 2023, last revision dated December 06, 2023, signed and sealed by Frank L. Bennardo, P.E.*

**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.*



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Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor  
NOA No. 23-1215.08  
Expiration Date: 10/20/2025  
Approval Date: 04/04/2024



# HURRICANE FABRIC, LLC

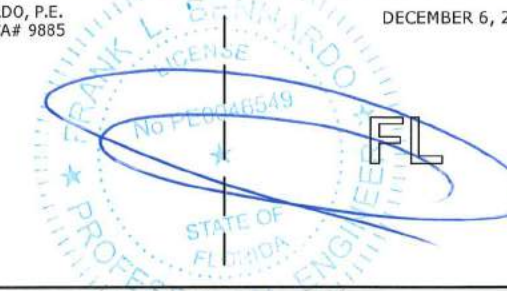
## ASTROGUARD WIND ABATEMENT SYSTEM LARGE MISSILE IMPACT RESISTANT (MISSILE LEVEL D)

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.

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

DECEMBER 6, 2023



### GENERAL NOTES

- THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023), FOR USE WITHIN AND OUTSIDE OF THE HIGH-VELOCITY HURRICANE ZONE PER TAS 201, 202 AND 203 TESTING STANDARDS.
- WIND LOAD DURATION FACTOR  $C_d=1.6$  HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- 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.
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR FOR STATIC WIND LOADS. PANELS HAVE BEEN DESIGN WITH A TOTAL 2" PRE-LOAD SLACK. PRESSURE VALUES IN THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES, UNLESS NOTED OTHERWISE.
- 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. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
- THIS SYSTEM IS INTENDED FOR USE ONLY DURING WIND STORM EVENTS. WHEN NOT IN USE, PRODUCT SHALL BE PROPERLY STORED AWAY FROM PROLONGED EXPOSURE TO DIRECT SUNLIGHT OR OTHER WEATHERING CONDITIONS.
- UNLESS OTHERWISE NOTED HEREIN, ALL SCREWS SHALL BE 304 OR 316 STAINLESS STEEL OR CORROSION RESISTANT COATED SAE GR. 5 CARBON STEEL. 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 INC., AND ANY APPLICABLE FEDERAL, STATE AND/OR LOCAL CODES. REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
- MAXIMUM PANEL SPAN: 18'-2"
- MAXIMUM ALLOWABLE DESIGN PRESSURE:  $\pm 60$  PSF
- PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL CONTAINING THE FOLLOWING:  

HURRICANE FABRIC, LLC  
PO BOX 50153  
CLAYTON, MD 63105  
TAS 201, 202, 203  
MIAMI-DADE NOA NUMBER
- HURRICANE FABRIC PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY AS APPLICABLE.
- DISSIMILAR MATERIALS SHALL BE INSULATED FROM TO PREVENT CORROSION AND ELECTROLYSIS AS NECESSARY IN ACCORDANCE WITH THE ABOVE REFERENCED BUILDING CODE.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- 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 INCLUDING 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 THIS PLAN.
- ALTERATIONS, ADDITIONS, AND OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

#### RETENTION CLIP END CONNECTOR:

RHODIA ENGINEERING PLASTICS  
POLYAMIDE 66

#### FABRIC SPECIFICATION:

TYPE OF YARN: TEXTILE FABRIC  
CONSTRUCTION: 25 X 25 WEAVE  
THICKNESS: 1000 MICRONS  $\pm 5\%$   
FINISH: RESIN COATED  
WEIGHT (ASTM D 3776): 10.83 OZ/YD<sup>2</sup>  
TENSILE STRENGTH (GRAB METHOD, ASTM D 4632): WARP: 879 LBS, WEFT: 879 LBS  
BURST STRENGTH (ASTM D 3786): 1500 PSI  
ABRASION RESISTANCE (ASTM D 4886): 95% STRENGTH RETAINED

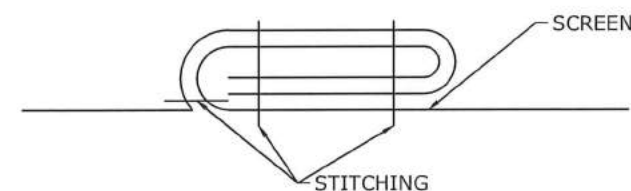
#### SEWING:

SEWING ONLY AT SPLICE (SEE SPLICE DETAIL). NO SEWING AT EDGES.

#### NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:

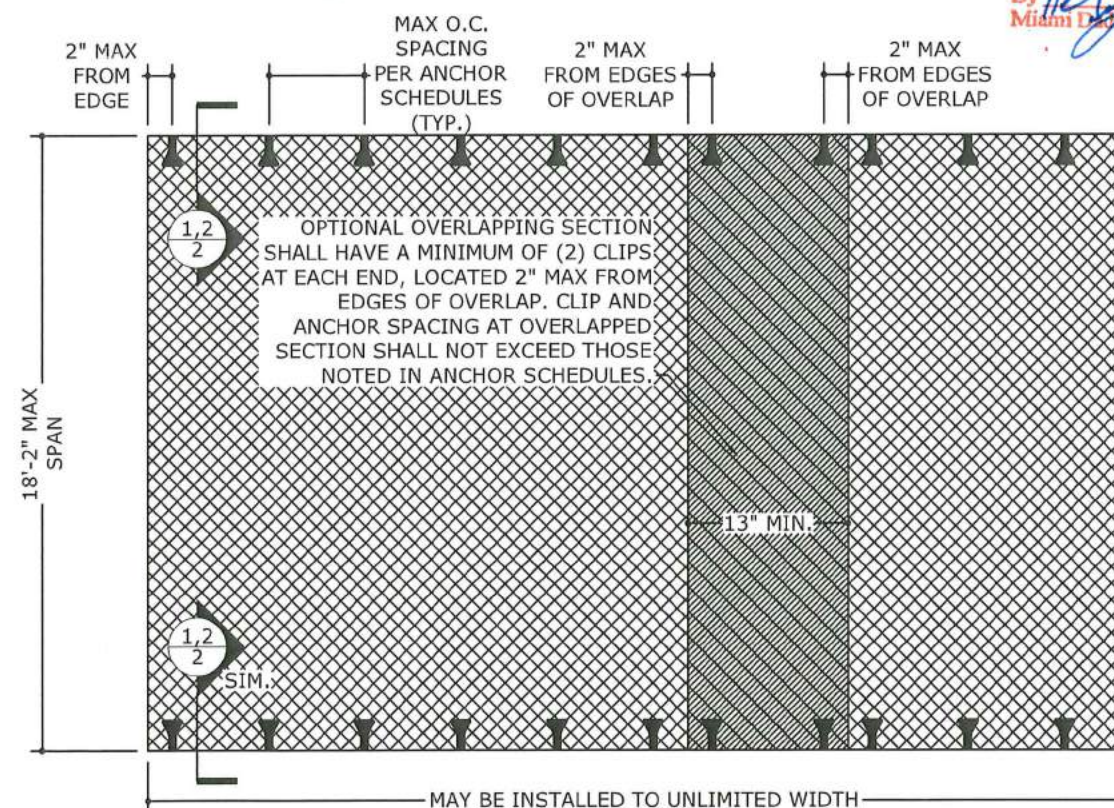
NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID FOR USE IN **FLORIDA ONLY**. USE OF THIS EVALUATION REQUIRES A REVIEW & CERTIFICATION BY A LOCAL DESIGN PROFESSIONAL WHO SHALL BE RESPONSIBLE FOR THE PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC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

SEE LAST SHEET FOR  
TERMINOLOGY &  
PAGE INDEX



### 1 SPLICE DETAIL

1 N.T.S.



NOTE: PANELS CAN OPTIONALLY BE ANCHORED ON THREE OR FOUR SIDES. FOR FOUR SIDE ATTACHMENT, THE SPAN IS THE SHORT DIMENSION BETWEEN FASTENERS.

### 2 TYPICAL PANEL INSTALLTION

1 N.T.S. EXTERIOR ELEV

PRODUCT REVISED  
as complying with the Florid.  
Building Code  
Acceptance No **23-1215.08**  
Expiration Date **10/20/2025**  
By *[Signature]*  
Miami Data Product Control

**ENGINEERING EXPRESS**  
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BOCA RATON, FL 33431  
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**HURRICANE FABRIC, LLC**  
1505 POINSETTIA DR, SUITE H-3  
DELRAY BEACH, FL 33444  
WWW.HURRICANEFABRIC.COM  
ASTROGUARD WIND ABATEMENT SYSTEM  
FLORIDA BUILDING CODE EIGHTH EDITION (2023)  
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

| REMARKS                   | DRWN | CHKD | DATE     |
|---------------------------|------|------|----------|
| PREV. SUB. NOA 20-1102.08 | MRT  | EPRW | 12/05/23 |
|                           |      |      |          |
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23-59904

SCALE: NTS UNLESS NOTED

1 OF 12

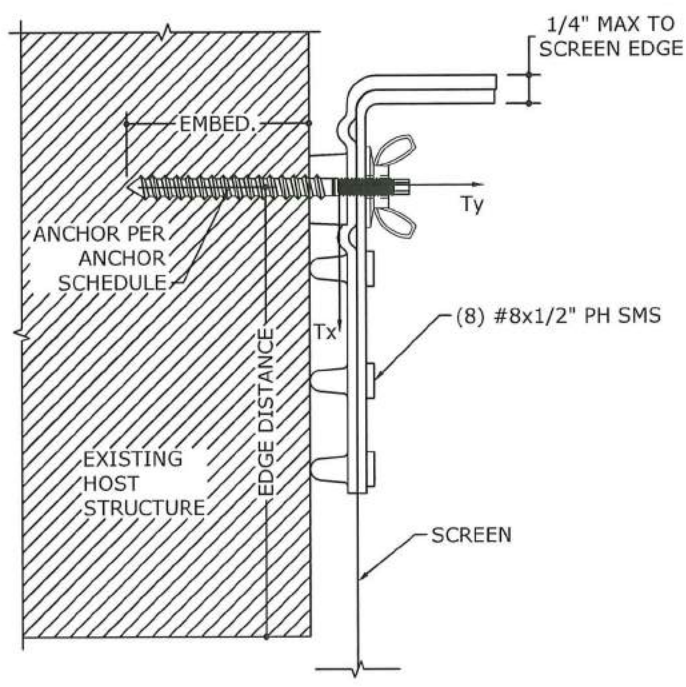
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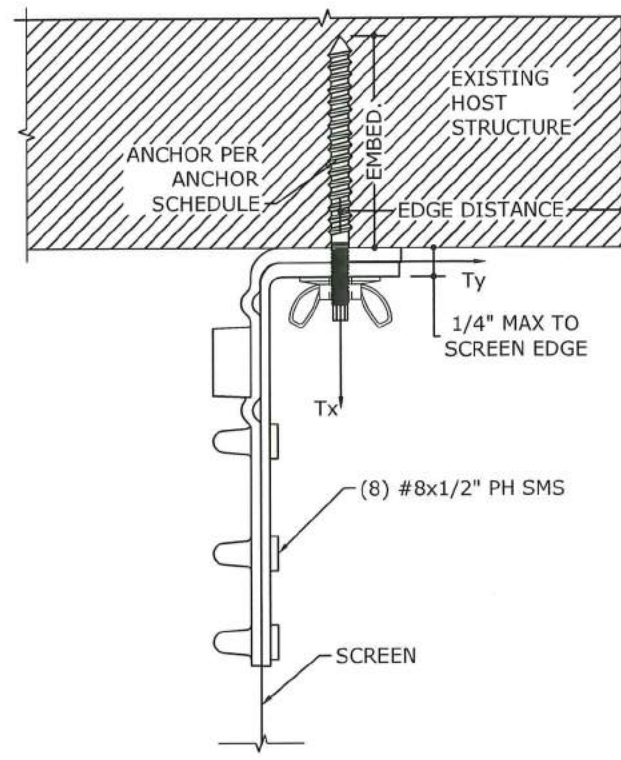
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FRANK BENNARDO, P.E.  
PE# 0046549 CA# 9885

DECEMBER 6, 2023



**1 WALL MOUNT CONDITION**  
SECTION VIEW  
2 N.T.S.



**2 INTERIOR MOUNT CONDITION**  
SECTION VIEW  
2 N.T.S.

MINIMUM GLAZING SEPARATION FROM GLASS INCLUDING INSTALLATION SLACK

| SPAN   | POSITIVE DESIGN LOAD (PSF) |         |         |         |
|--------|----------------------------|---------|---------|---------|
|        | +60 PSF                    | +50 PSF | +40 PSF | +30 PSF |
| 4'-0"  | 6.88"                      | 6.63"   | 6.13"   | 5.75"   |
| 6'-0"  | 11.13"                     | 10.50"  | 9.88"   | 9.00"   |
| 8'-0"  | 15.75"                     | 14.88"  | 14.00"  | 12.75"  |
| 10'-0" | 20.88"                     | 19.75"  | 18.38"  | 16.88"  |
| 12'-0" | 26.38"                     | 24.88"  | 23.13"  | 21.13"  |
| 14'-0" | 32.13"                     | 30.38"  | 28.25"  | 25.75"  |
| 14'-8" | 34.13"                     | 32.38"  | 32.38"  | 32.38"  |
| 16'-0" | 38.25"                     | 36.88"  | 36.88"  | 36.88"  |
| 17'-0" | 41.38"                     | 39.00"  | 36.88"  | 36.88"  |
| 18'-2" | 45.13"                     | 42.50"  | 39.50"  | 36.88"  |

- NOTES:
- SEPARATION FROM GLAZING IS REQUIRED FOR ALL INSTALLATIONS.
  - INTERPOLATION OF THIS TABLE IS NOT PERMITTED. UTILIZE NEXT HIGHEST SEPARATION FROM GLAZING VALUE IF NEEDED.
  - DESIGN LOADS LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

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**HURRICANE FABRIC, LLC**  
1505 POINSETTIA DR, SUITE H-3  
DELRAY BEACH, FL 33444  
WWW.HURRICANEFABRIC.COM

ASTROGUARD WIND ABATEMENT SYSTEM  
FLORIDA BUILDING CODE EIGHTH EDITION (2023)  
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

PRODUCT REVISED  
as complying with the Florida:  
Building Code  
Acceptance No 23-1215.08  
Expiration Date 10/20/2025  
By *H. G. A. Miller*  
Miami District Engineer

LOAD ON EXISTING STRUCTURE FROM SCREEN SYSTEM  
Tx = PARALLEL LOADS (PLF)

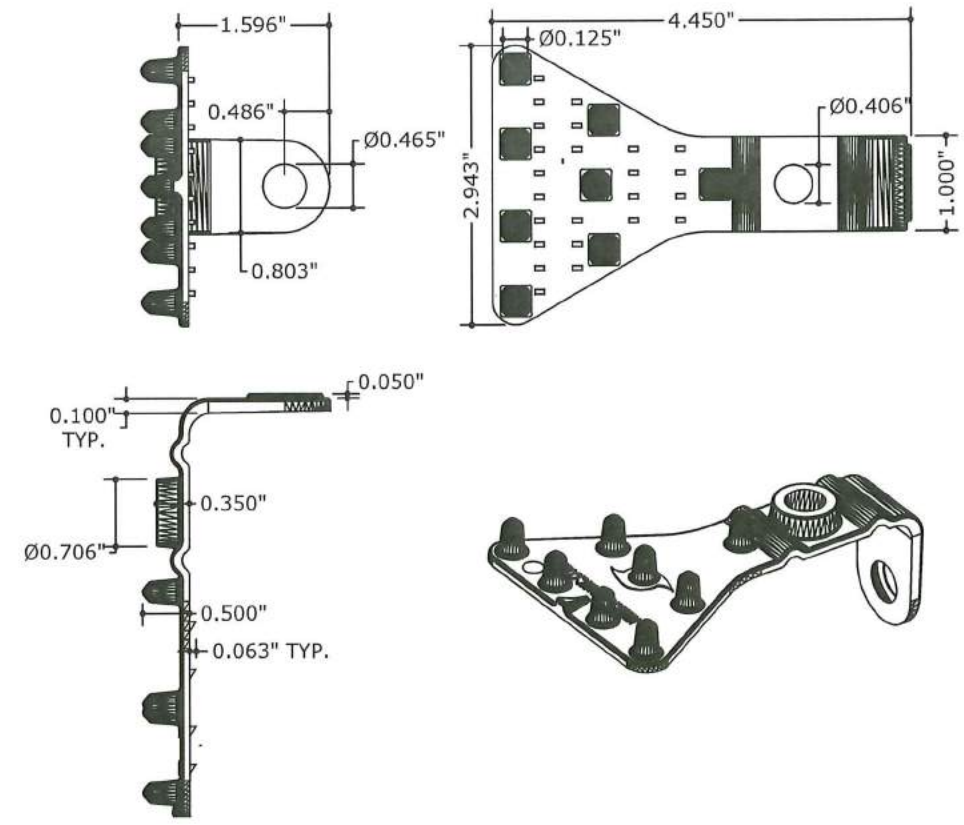
| SPAN   | DESIGN PRESSURE (+/- PSF) |       |       |       |
|--------|---------------------------|-------|-------|-------|
|        | 60                        | 50    | 40    | 30    |
| 4'-0"  | 235.4                     | 208.5 | 179.6 | 148.3 |
| 6'-0"  | 308.5                     | 273.2 | 235.4 | 194.3 |
| 8'-0"  | 373.7                     | 330.9 | 285.2 | 235.4 |
| 10'-0" | 433.6                     | 384.0 | 330.9 | 273.2 |
| 12'-0" | 489.7                     | 433.6 | 373.7 | 308.5 |
| 14'-0" | 542.7                     | 480.6 | 414.1 | 341.9 |
| 14'-8" | 559.8                     | 495.7 | 427.2 | 352.6 |
| 16'-0" | 593.2                     | 525.3 | 452.7 | 373.7 |
| 17'-0" | 617.7                     | 547.0 | 471.4 | 389.1 |
| 18'-2" | 645.6                     | 571.7 | 492.7 | 406.7 |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

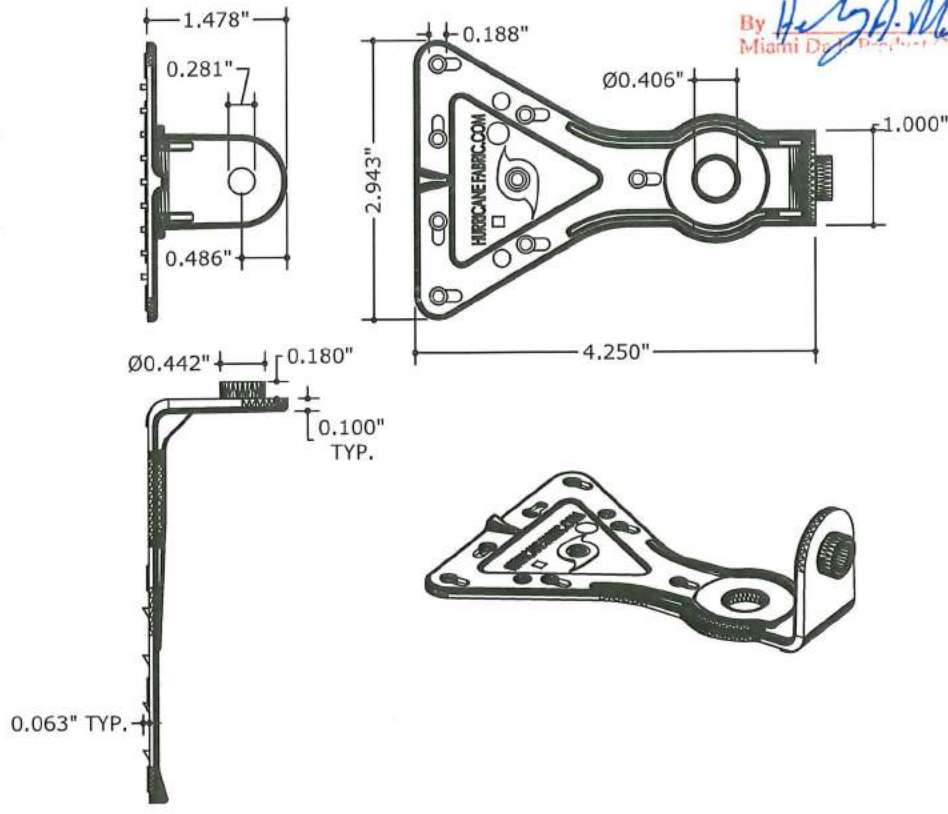
LOAD ON EXISTING STRUCTURE FROM SCREEN SYSTEM  
Ty = PERPENDICULAR LOADS (PLF)

| SPAN   | DESIGN PRESSURE (+/- PSF) |       |       |       |
|--------|---------------------------|-------|-------|-------|
|        | 60                        | 50    | 40    | 30    |
| 4'-0"  | 120.0                     | 100.0 | 80.0  | 60.0  |
| 6'-0"  | 180.0                     | 150.0 | 120.0 | 90.0  |
| 8'-0"  | 240.0                     | 200.0 | 160.0 | 120.0 |
| 10'-0" | 300.0                     | 250.0 | 200.0 | 150.0 |
| 12'-0" | 360.0                     | 300.0 | 240.0 | 180.0 |
| 14'-0" | 420.0                     | 350.0 | 280.0 | 210.0 |
| 14'-8" | 440.0                     | 366.7 | 293.3 | 220.0 |
| 16'-0" | 480.0                     | 400.0 | 320.0 | 240.0 |
| 17'-0" | 510.0                     | 425.0 | 340.0 | 255.0 |
| 18'-2" | 545.0                     | 454.2 | 363.3 | 272.5 |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.



**1 BOTTOM MOUNTING CLIP**  
N.T.S. POLYAMIDE 66



**2 TOP MOUNTING CLIP**  
N.T.S. POLYAMIDE 66

| REMARKS                       | DRWN    | CHKD | DATE     |
|-------------------------------|---------|------|----------|
| PREV. SUB. NOA 20-1102.08 MRT | EPR/WRN |      | 12/05/23 |
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23-59904

SCALE: NTS UNLESS NOTED

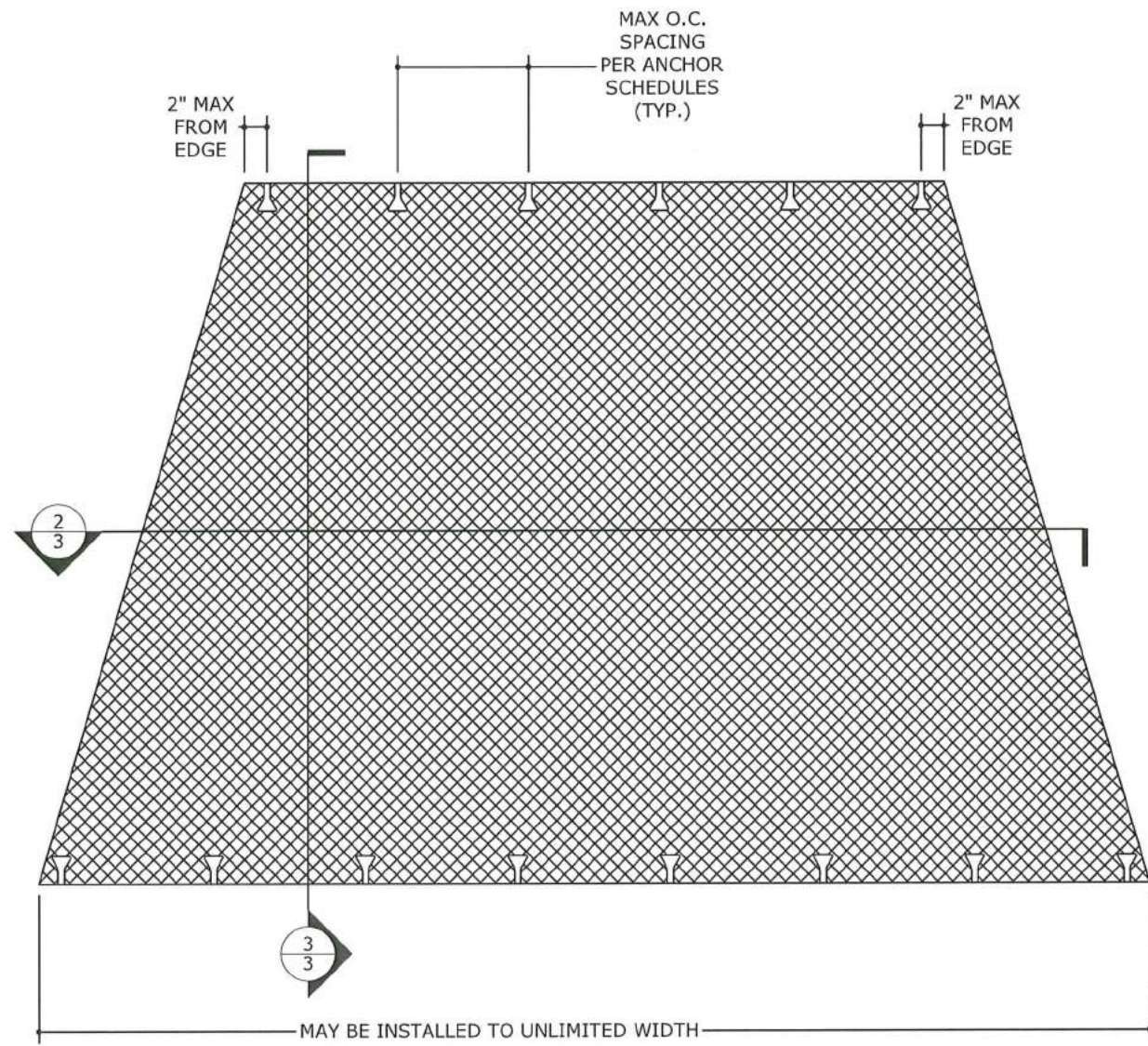
**2** OF 12



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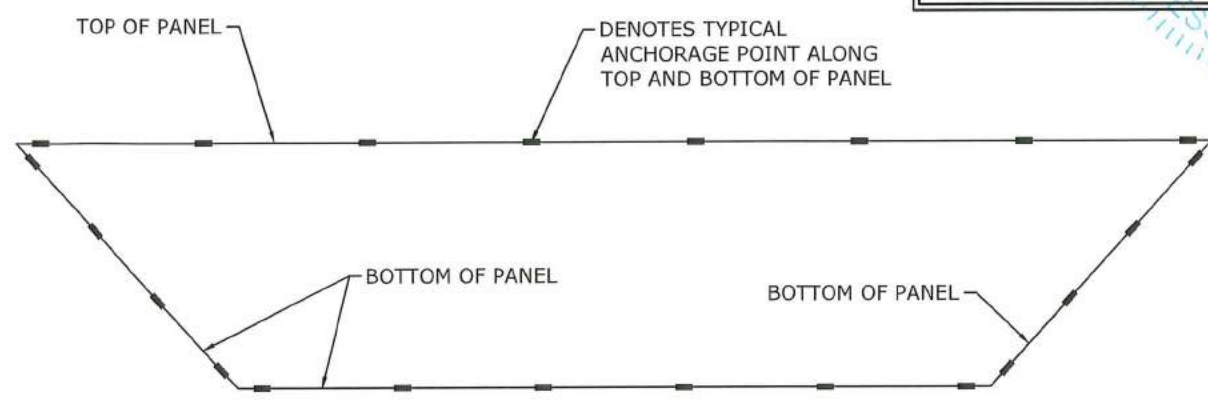
FRANK BENNARDO, P.E.  
PE# 0046549 CA# 9885

DECEMBER 6, 2023

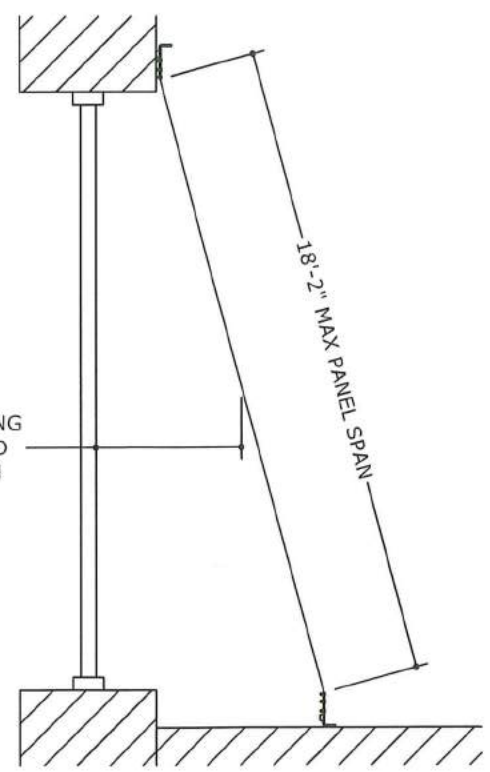


**1** ANGLLED PANEL INSTALLTION  
3 N.T.S. EXTERIOR ELEV

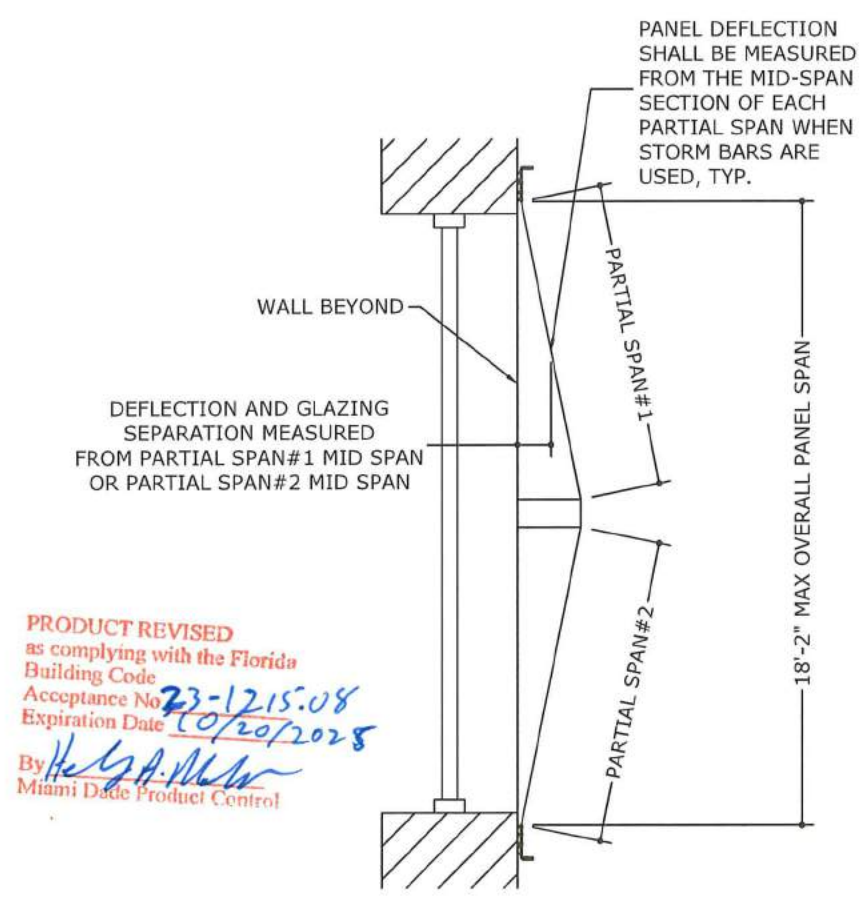
NOTE: NON-SPAN OVERLAP SHALL BE A MINIMUM OF 1.5 X THE PANEL PROJECTION FROM OPENING



**2** ANGLLED PANEL INSTALLTION  
3 N.T.S. PLAN VIEW



**3** ANGLLED PANEL INSTALLTION  
3 N.T.S. VERTICAL SECTION



**4** INSTALLATION W/ STORM BAR  
3 N.T.S. VERTICAL SECTION

**ENGINEERING EXPRESS**  
POSTAL ADDRESS:  
2234 NORTH FEDERAL HWY #7664  
BOCA RATON, FL 33431  
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**HURRICANE FABRIC, LLC**  
1505 POINSETTIA DR, SUITE H-3  
DELRAY BEACH, FL 33444  
WWW.HURRICANEFABRIC.COM  
ASTROGUARD WIND ABATEMENT SYSTEM  
FLORIDA BUILDING CODE EIGHTH EDITION (2023)  
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

| REMARKS                   | DRWN | CHKD    | DATE     |
|---------------------------|------|---------|----------|
| PREV. SUB. NOA 20-1102.08 | MRT  | EPFRWIN | 12/05/23 |
|                           |      |         |          |
|                           |      |         |          |
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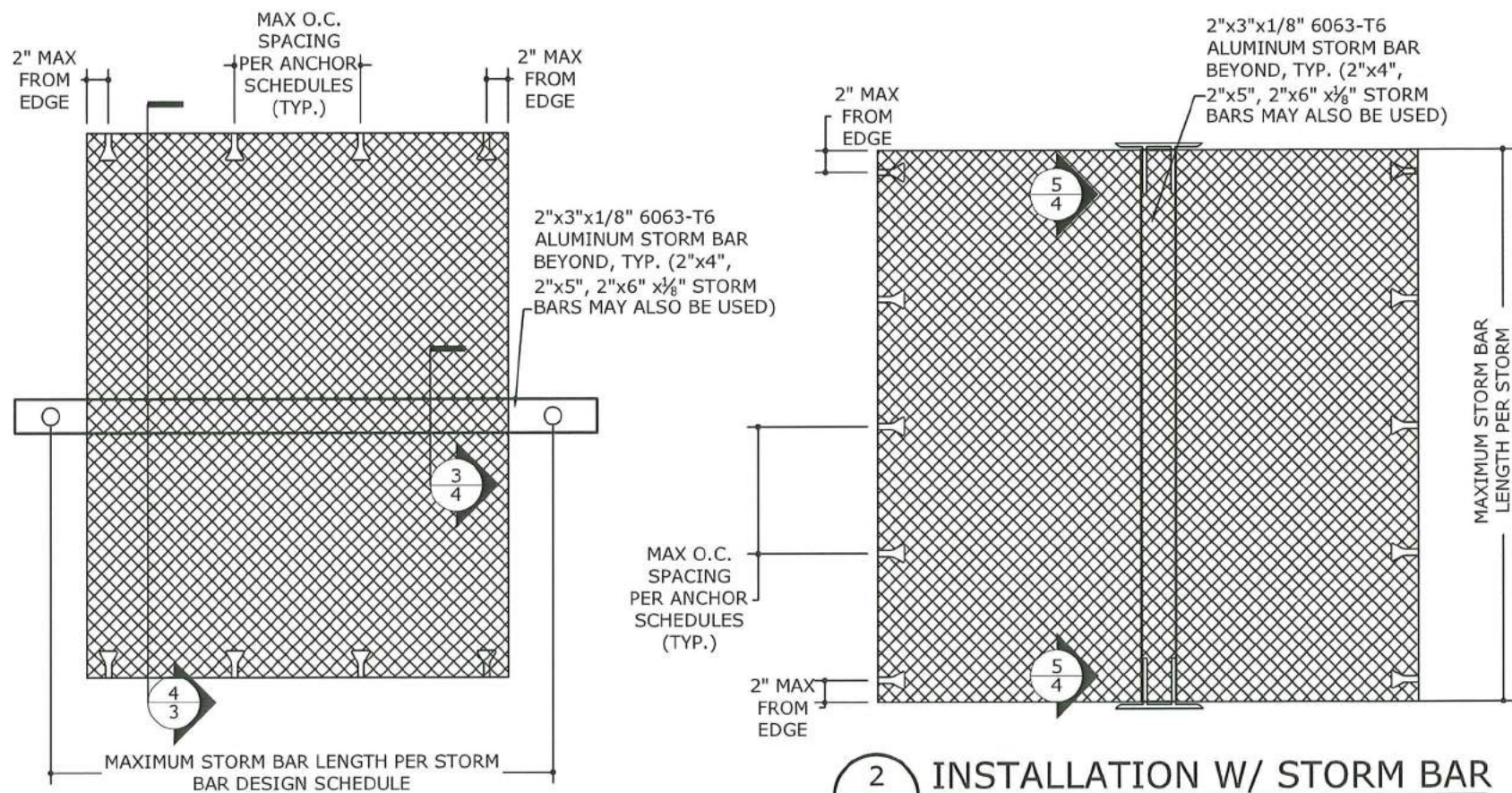
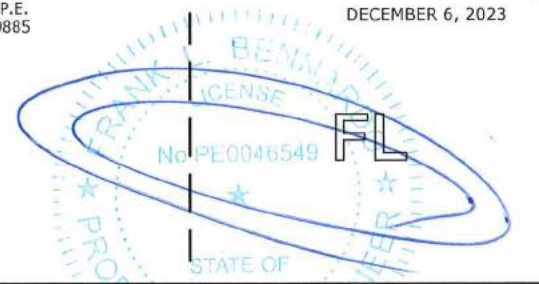
23-59904

SCALE: NTS UNLESS NOTED

3 OF 12

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 23-1215.08  
Expiration Date 10/20/2028  
By: *Heidi A. Miller*  
Miami Dade Product Control





**STORM BAR SCHEDULE (FOR USE WITH DIRECT MOUNT & 2" T-CLIP MOUNT):**

**STORM BAR DIRECT MOUNT & 2" T-CLIP: DESIGN SCHEDULE - MAX STORM BAR LENGTH**

| MAX OVERALL PANEL SPAN | ANCHORS PER DETAIL 3/4 & 4/4 |         |         |         |
|------------------------|------------------------------|---------|---------|---------|
|                        | +60 PSF                      | +50 PSF | +40 PSF | +30 PSF |
| 3 FT                   | 75"                          | 80"     | 86"     | 94"     |
| 4 FT                   | 68"                          | 72"     | 78"     | 86"     |
| 5 FT                   | 63"                          | 67"     | 72"     | 80"     |
| 6 FT                   | 60"                          | 63"     | 68"     | 75"     |
| 7 FT                   | 56"                          | 60"     | 65"     | 71"     |
| 8 FT                   | 53"                          | 57"     | 62"     | 68"     |
| 9 FT                   | 50"                          | 54"     | 60"     | 65"     |
| 10 FT                  | 47"                          | 52"     | 57"     | 63"     |
| 11 FT                  | 45"                          | 49"     | 55"     | 61"     |
| 12 FT                  | 43"                          | 47"     | 53"     | 60"     |
| 13 FT                  | 41"                          | 45"     | 51"     | 58"     |
| 14 FT                  | 40"                          | 44"     | 49"     | 56"     |
| 15 FT                  | 39"                          | 42"     | 47"     | 54"     |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**STORM BAR SCHEDULE (FOR USE WITH 1" T-CLIP MOUNT):**

**STORM BAR 1" T-CLIP MOUNT: DESIGN SCHEDULE - MAX STORM BAR LENGTH**

| MAX OVERALL PANEL SPAN | (2)-1/4" DEWALT DROP-INS |         |         |         | (2)-3/8" DEWALT DROP-INS |         |         |         |
|------------------------|--------------------------|---------|---------|---------|--------------------------|---------|---------|---------|
|                        | +60 PSF                  | +50 PSF | +40 PSF | +30 PSF | +60 PSF                  | +50 PSF | +40 PSF | +30 PSF |
| 3 FT                   | 75"                      | 80"     | 86"     | 94"     | 75"                      | 80"     | 86"     | 94"     |
| 4 FT                   | 68"                      | 72"     | 78"     | 86"     | 68"                      | 72"     | 78"     | 86"     |
| 5 FT                   | 63"                      | 67"     | 72"     | 80"     | 63"                      | 67"     | 72"     | 80"     |
| 6 FT                   | 60"                      | 63"     | 68"     | 75"     | 60"                      | 63"     | 68"     | 75"     |
| 7 FT                   | 56"                      | 60"     | 65"     | 71"     | 56"                      | 60"     | 65"     | 71"     |
| 8 FT                   | 53"                      | 57"     | 62"     | 68"     | 53"                      | 57"     | 62"     | 68"     |
| 9 FT                   | 47"                      | 54"     | 60"     | 65"     | 50"                      | 54"     | 60"     | 65"     |
| 10 FT                  | 42"                      | 51"     | 57"     | 63"     | 47"                      | 52"     | 57"     | 63"     |
| 11 FT                  | 39"                      | 46"     | 55"     | 61"     | 45"                      | 49"     | 55"     | 61"     |
| 12 FT                  | 35"                      | 42"     | 53"     | 60"     | 43"                      | 47"     | 53"     | 60"     |
| 13 FT                  | 33"                      | 39"     | 49"     | 58"     | 41"                      | 45"     | 51"     | 58"     |
| 14 FT                  | 30"                      | 36"     | 45"     | 56"     | 40"                      | 44"     | 49"     | 56"     |
| 15 FT                  | 28"                      | 34"     | 42"     | 54"     | 39"                      | 42"     | 47"     | 54"     |

NOTES:  
1. STORM BAR SCHEDULES ARE GOVERNED BY POSITIVE WIND LOAD DIRECTIONS ONLY. NEGATIVE WIND LOAD DIRECTIONS DO NOT SUBJECT THE STORM BARS TO ANY EXTERIOR LOADING.  
2. DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

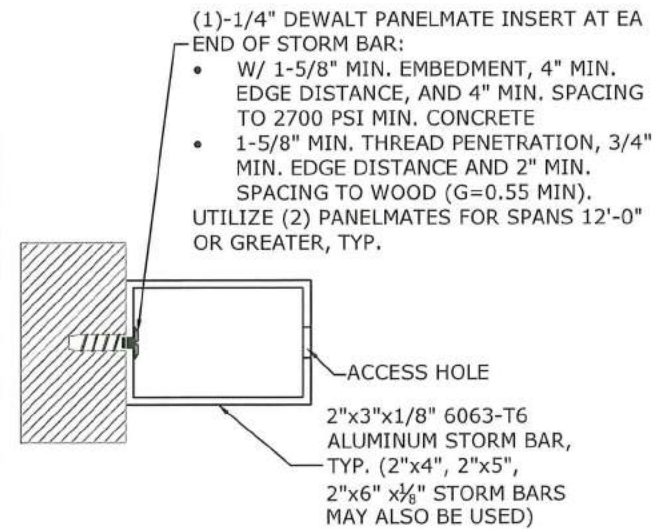
**1 INSTALLATION W/ STORM BAR**  
N.T.S. EXTERIOR ELEV

STORM BARS & FABRIC MAY BE INSTALLED HORIZONTALLY OR VERTICALLY AS APPLICABLE (HORIZONTAL STORM BAR INSTALLATION WITH VERTICAL PANEL SPAN SHOWN HEREIN)

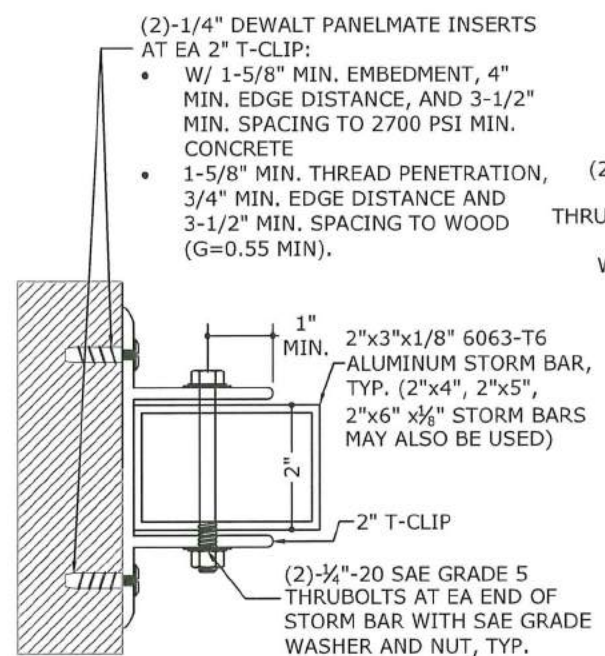
**2 INSTALLATION W/ STORM BAR**  
N.T.S. EXTERIOR ELEV

STORM BARS & FABRIC MAY BE INSTALLED HORIZONTALLY OR VERTICALLY AS APPLICABLE (VERTICAL STORM BAR INSTALLATION WITH HORIZONTAL PANEL SPAN SHOWN HEREIN)

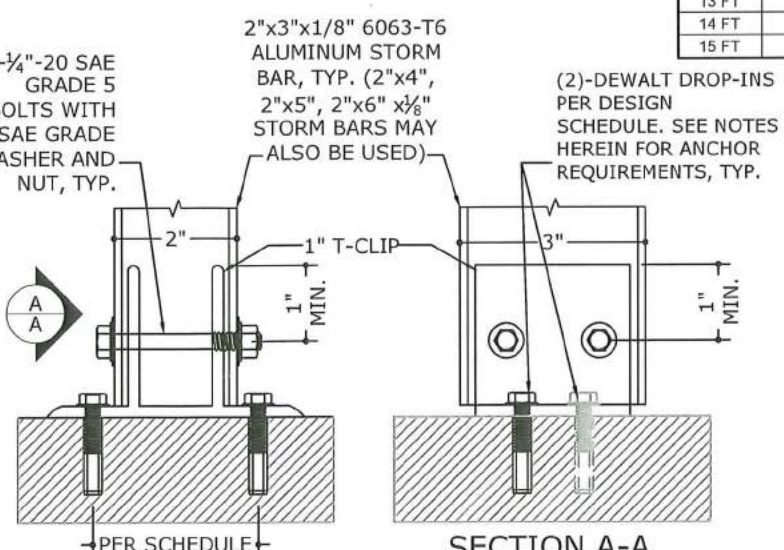
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 23-1215.08 Expiration Date 10/20/2025 By He G.A. Miller Miami Date Product Control



**3 STORM BAR DIRECT MOUNT**  
4" = 1'-0" SECTION



**4 STORM BAR 2" T-CLIP MOUNT**  
4" = 1'-0" SECTION



**5 STORM BAR 1" T-CLIP MOUNT**  
4" = 1'-0" SECTION

**1" T-CLIP ANCHOR SCHEDULE:**

| NUMBER OF ANCHORS/CLIP   | DESCRIPTION  |
|--------------------------|--|
| (2)-1/4" DEWALT DROP-INS | UTILIZE (2) DROP-INS PER CLIP WITH 1" MIN EMBED, 3-1/2" SPACING, 5-1/4" EDGE DISTANCE TO 3000 PSI MIN CONCRETE     |
| (2)-3/8" DEWALT DROP-INS | UTILIZE (2) DROP-INS PER CLIP WITH 1-9/16" MIN EMBED, 2.88" SPACING, 5-1/4" EDGE DISTANCE TO 3000 PSI MIN CONCRETE |

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| REMARKS                       | DRWN    | CHKD     | DATE |
|-------------------------------|---------|----------|------|
| PREV. SUB. NO. 20-1102.08 MRT | EPH/AVN | 12/05/23 |      |

23-59904

SCALE: NTS UNLESS NOTED

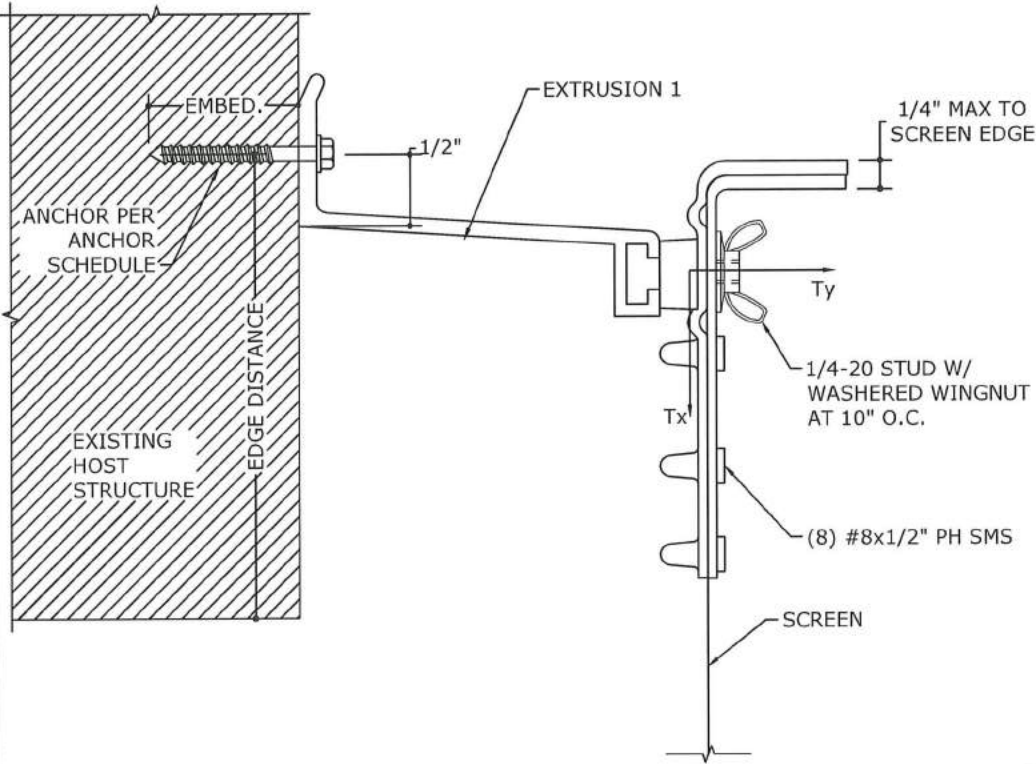
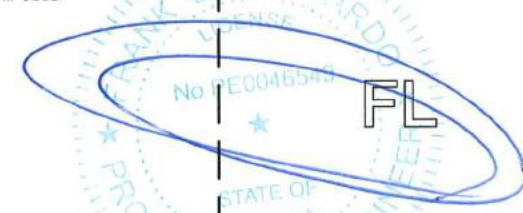


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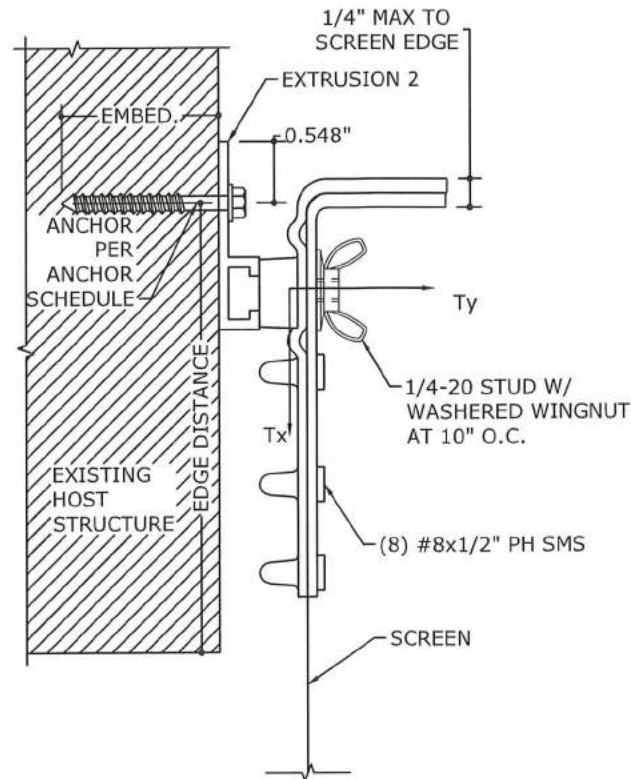
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FRANK BENNARDO, P.E.  
PE# 0046549 CA# 9885

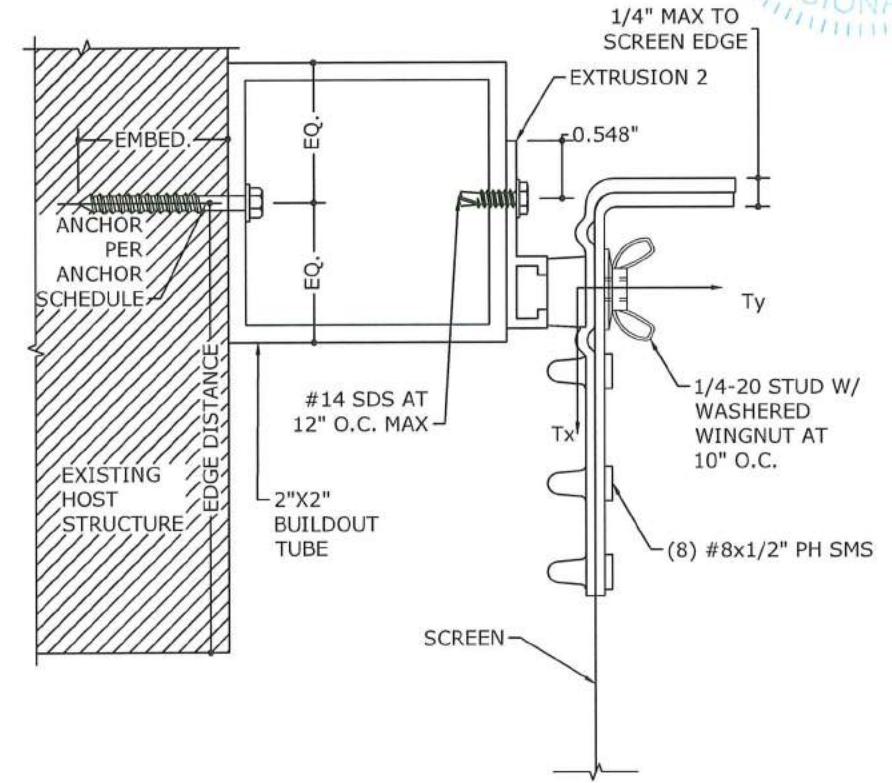
DECEMBER 6, 2023



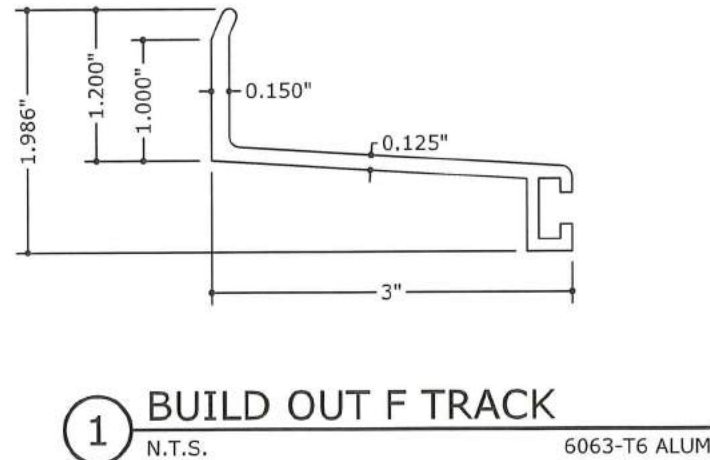
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5 N.T.S. SECTION VIEW



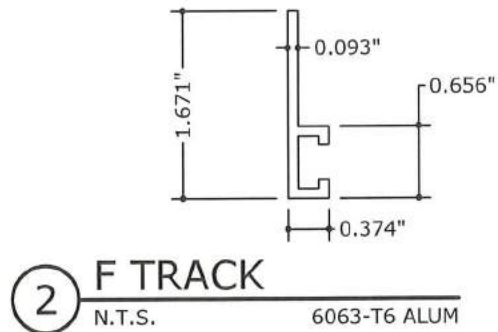
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5 N.T.S. SECTION VIEW



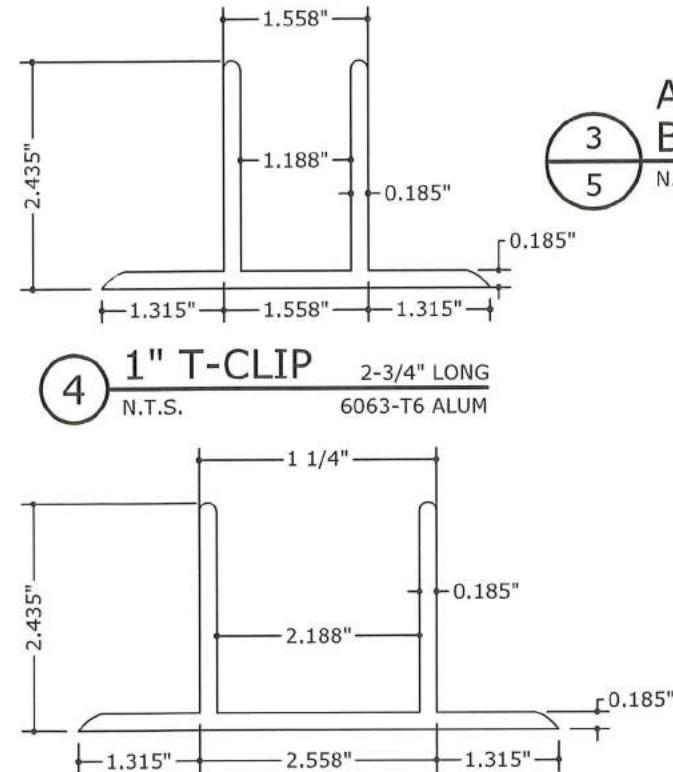
3  
5 N.T.S. SECTION VIEW



1 N.T.S. 6063-T6 ALUM

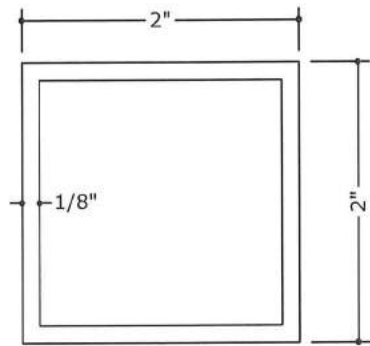


2 N.T.S. 6063-T6 ALUM



4 N.T.S. 2-3/4" LONG 6063-T6 ALUM

5 N.T.S. 3" LONG 6063-T6 ALUM



3 N.T.S. 6063-T6 ALUM

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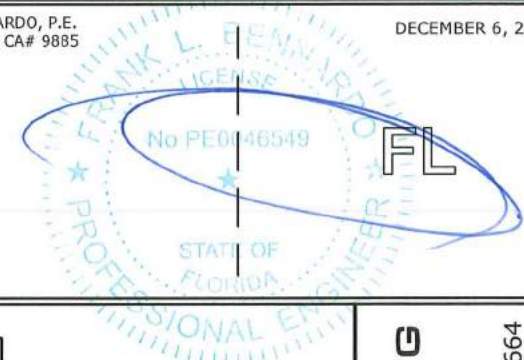
ASTROGUARD WIND ABATEMENT SYSTEM  
FLORIDA BUILDING CODE EIGHTH EDITION (2023)  
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 23-1215.08  
Expiration Date 10/20/2025  
By *[Signature]*  
Miami Dade Product Control

| REMARKS                       | DRWN | CHKD | DATE     |
|-------------------------------|------|------|----------|
| PREV. SUB. NOA 20-1102.08 MRT | EP   | PRV  | 12/05/23 |
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**ANCHOR NOTES:**

1. SEE EXTERIOR ELEVATION FOR ANCHOR LOCATIONS AND/OR SPACING.
2. PRESSURES LISTED IN ANCHOR SPACING SCHEDULES REPRESENT BOTH POSITIVE AND NEGATIVE PRESSURES.
3. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
4. UNLESS OTHERWISE NOTED HEREIN, WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING).
5. WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
6. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
7. ANCHOR SCHEDULE APPLIES TO ALL PRODUCTS CERTIFIED HEREIN, BUT ONLY PROVIDES MAXIMUM ALLOWABLE ANCHOR SPACING. MAXIMUM ALLOWABLE SPANS AND PRESSURES INDICATED IN SPAN SCHEDULE SHALL APPLY.
8. ALL CONCRETE ANCHOR SHALL BE INSTALLED TO NON-CRACKED CONCRETE ONLY. ALL EXISTING BLOCK SHALL BE ASTM C-90 MIN.
9. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
10. 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") U.N.O.
11. DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE FOR USE.
12. EDGE DISTANCES AND EMBEDMENT REQUIREMENTS ARE AS FOLLOWS:
  - 12.1. 1/4" ITW SAMMY SSC**
    - 12.1.1. 2-1/4" EMBEDMENT AND 2-1/2" EDGE DISTANCE TO CONCRETE
    - 12.1.2. 1-1/4" EMBEDMENT AND 2-1/2" EDGE DISTANCE TO HOLLOW CONCRETE BLOCK
    - 12.1.3. 2-1/2" EMBEDMENT AND 2-1/2" EDGE DISTANCE TO GROUT-FILLED CONCRETE BLOCK
  - 12.2. 1/4" DEWALT PANELMATE (MALE OR FEMALE)**
    - 12.2.1. 1-3/4" EMBEDMENT AND 2-1/2" EDGE DISTANCE TO CONCRETE
    - 12.2.2. 1-1/4" EMBEDMENT AND 3" EDGE DISTANCE TO HOLLOW AND GROUT-FILLED CONCRETE BLOCK
    - 12.2.3. 1-7/8" EMBEDMENT AND 3/4" EDGE DISTANCE TO WOOD
  - 12.3. 1/4" DEWALT HOLLOW-SET DROPIN**
    - 12.3.1. 7/8" EMBEDMENT AND 3-1/2" EDGE DISTANCE TO CONCRETE AND HOLLOW AND GROUT-FILLED CONCRETE BLOCK
  - 12.4. 1/4" DEWALT PANELMATE INSERT**
    - 12.4.1. 1-5/8" EMBEDMENT AND 4" EDGE DISTANCE TO CONCRETE
    - 12.4.2. 1-1/4" EMBEDMENT AND 3-1/2" EDGE DISTANCE TO HOLLOW CONCRETE BLOCK
    - 12.4.3. 1-1/2" EMBEDMENT AND 3-1/2" EDGE DISTANCE TO GROUT-FILLED CONCRETE BLOCK
  - 12.5. 1/4" ALL POINTS SOLID-SET**
    - 12.5.1. 7/8" EMBEDMENT AND 3" EDGE DISTANCE TO CONCRETE AND HOLLOW AND GROUT-FILLED CONCRETE BLOCK
  - 12.6. 1/4" DEWALT STEEL DROPIN**
    - 12.6.1. 1" EMBEDMENT AND 3-1/2" EDGE DISTANCE TO CONCRETE
  - 12.7. 3/8" DEWALT STEEL DROPIN**
    - 12.7.1. 1-9/16" EMBEDMENT AND 5-1/4" EDGE DISTANCE TO CONCRETE
  - 12.8. 1/4" DEWALT POWER-STUD (STAINLESS STEEL)**
    - 12.8.1. 2" EMBEDMENT AND 3" EDGE DISTANCE TO CONCRETE
    - 12.8.2. 2" EMBEDMENT AND 5-1/4" EDGE DISTANCE TO GROUT-FILLED CONCRETE BLOCK
  - 12.9. 1/4" DEWALT PANELMATE TVAS**
    - 12.9.1. 2" EMBEDMENT AND 2-1/2" EDGE DISTANCE TO CONCRETE
    - 12.9.2. 1-1/4" EMBEDMENT AND 3" EDGE DISTANCE TO HOLLOW AND GROUT-FILLED CONCRETE BLOCK
    - 12.9.3. 1-7/8" EMBEDMENT AND 3/4" EDGE DISTANCE TO WOOD
  - 12.10. 1/4" DEWALT PANELMATE FEMALE ID**
    - 12.10.1. 1-3/4" EMBEDMENT AND 2-1/2" EDGE DISTANCE TO CONCRETE
    - 12.10.2. 1-1/4" EMBEDMENT AND 3" EDGE DISTANCE TO HOLLOW AND GROUT-FILLED CONCRETE BLOCK
    - 12.10.3. 1-7/8" EMBEDMENT AND 3/4" EDGE DISTANCE TO WOOD

1/4" ITW SAMMY SSC ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.)

| SPAN   | 3295 PSI MIN CONCRETE |        |        |        | HOLLOW CONCRETE BLOCK |        |        |        | GROUT-FILLED CONCRETE BLOCK |        |        |        |
|--------|-----------------------|--------|--------|--------|-----------------------|--------|--------|--------|-----------------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE             |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                      | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 10.0                  | 10.0   | 10.0   | 10.0   | 10.0                        | 10.0   | 10.0   | 10.0   |
| 6'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 8.2                   | 9.4    | 10.0   | 10.0   | 10.0                        | 10.0   | 10.0   | 10.0   |
| 8'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 6.5                   | 7.5    | 9.0    | 10.0   | 8.8                         | 10.0   | 10.0   | 10.0   |
| 10'-0" | 10.0                  | 10.0   | 10.0   | 10.0   | 5.4                   | 6.3    | 7.5    | 9.4    | 7.2                         | 8.5    | 10.0   | 10.0   |
| 12'-0" | 10.0                  | 10.0   | 10.0   | 10.0   | 4.6                   | 5.4    | 6.5    | 8.2    | 6.1                         | 7.2    | 8.8    | 10.0   |
| 14'-0" | 10.0                  | 10.0   | 10.0   | 10.0   | 4.1                   | 4.7    | 5.7    | 7.2    | 5.3                         | 6.3    | 7.6    | 9.9    |
| 14'-8" | 9.6                   | 10.0   | 10.0   | 10.0   |                       | 4.6    | 5.5    | 6.9    | 5.1                         | 6.0    | 7.3    | 9.5    |
| 16'-0" | 8.9                   | 10.0   | 10.0   | 10.0   |                       | 4.2    | 5.1    | 6.5    | 4.7                         | 5.5    | 6.8    | 8.8    |
| 17'-0" | 8.4                   | 9.9    | 10.0   | 10.0   |                       | 4.0    | 4.9    | 6.2    | 4.4                         | 5.3    | 6.4    | 8.3    |
| 18'-2" | 7.9                   | 9.3    | 10.0   | 10.0   |                       |        | 4.6    | 5.8    | 4.2                         | 4.9    | 6.1    | 7.8    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

1/4" ITW SAMMY SSC ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.)

| SPAN   | 3295 PSI MIN CONCRETE |        |        |        | HOLLOW CONCRETE BLOCK |        |        |        | GROUT-FILLED CONCRETE BLOCK |        |        |        |
|--------|-----------------------|--------|--------|--------|-----------------------|--------|--------|--------|-----------------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE             |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                      | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 9.7                   | 10.0   | 10.0   | 10.0   | 10.0                        | 10.0   | 10.0   | 10.0   |
| 6'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 7.2                   | 8.2    | 9.7    | 10.0   | 8.3                         | 9.4    | 10.0   | 10.0   |
| 8'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 5.8                   | 6.7    | 7.8    | 9.7    | 6.8                         | 7.7    | 9.0    | 10.0   |
| 10'-0" | 10.0                  | 10.0   | 10.0   | 10.0   | 4.9                   | 5.6    | 6.7    | 8.2    | 5.8                         | 6.6    | 7.7    | 9.4    |
| 12'-0" | 10.0                  | 10.0   | 10.0   | 10.0   | 4.3                   | 4.9    | 5.8    | 7.2    | 5.1                         | 5.8    | 6.8    | 8.3    |
| 14'-0" | 9.0                   | 10.0   | 10.0   | 10.0   |                       | 4.4    | 5.2    | 6.4    | 4.6                         | 5.2    | 6.1    | 7.4    |
| 14'-8" | 8.7                   | 10.0   | 10.0   | 10.0   |                       | 4.2    | 5.0    | 6.2    | 4.4                         | 5.0    | 5.9    | 7.2    |
| 16'-0" | 8.2                   | 9.4    | 10.0   | 10.0   |                       |        | 4.7    | 5.8    | 4.1                         | 4.7    | 5.5    | 6.8    |
| 17'-0" | 7.8                   | 9.0    | 10.0   | 10.0   |                       |        | 4.5    | 5.6    |                             | 4.5    | 5.3    | 6.5    |
| 18'-2" | 7.4                   | 8.5    | 10.0   | 10.0   |                       |        | 4.3    | 5.3    |                             | 4.3    | 5.1    | 6.2    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

1/4" DEWALT PANELMATE (MALE OR FEMALE) ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.)

| SPAN   | 3323 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|--------|-----------------------|--------|--------|--------|--|--------|--------|--------|------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        | DESIGN PRESSURE  |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 8.9                                    | 10.0   | 10.0   | 10.0   | 10.0             | 10.0   | 10.0   | 10.0   |
| 6'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 6.5                                    | 7.5    | 8.9    | 10.0   | 10.0             | 10.0   | 10.0   | 10.0   |
| 8'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 5.2                                    | 6.0    | 7.2    | 8.9    | 8.6              | 10.0   | 10.0   | 10.0   |
| 10'-0" | 10.0                  | 10.0   | 10.0   | 10.0   | 4.4                                    | 5.1    | 6.0    | 7.5    | 7.1              | 8.3    | 10.0   | 10.0   |
| 12'-0" | 8.8                   | 10.0   | 10.0   | 10.0   |  | 4.4    | 5.2    | 6.5    | 6.0              | 7.1    | 8.6    | 10.0   |
| 14'-0" | 7.7                   | 9.0    | 10.0   | 10.0   |  |        | 4.6    | 5.8    | 5.3              | 6.2    | 7.5    | 9.6    |
| 14'-8" | 7.4                   | 8.7    | 10.0   | 10.0   |  |        | 4.5    | 5.6    | 5.0              | 5.9    | 7.2    | 9.2    |
| 16'-0" | 6.9                   | 8.1    | 9.7    | 10.0   |  |        | 4.2    | 5.2    | 4.7              | 5.5    | 6.7    | 8.6    |
| 17'-0" | 6.6                   | 7.7    | 9.2    | 10.0   |  |        |        | 5.0    | 4.4              | 5.2    | 6.3    | 8.1    |
| 18'-2" | 6.2                   | 7.2    | 8.7    | 10.0   |  |        |        | 4.7    | 4.2              | 4.9    | 6.0    | 7.7    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

1/4" DEWALT PANELMATE (MALE OR FEMALE) ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.)

| SPAN   | 3323 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|--------|-----------------------|--------|--------|--------|--|--------|--------|--------|------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        | DESIGN PRESSURE  |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 8.7                                    | 9.9    | 10.0   | 10.0   | 10.0             | 10.0   | 10.0   | 10.0   |
| 6'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 6.4                                    | 7.3    | 8.7    | 10.0   | 8.9              | 10.0   | 10.0   | 10.0   |
| 8'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 5.1                                    | 5.9    | 7.0    | 8.7    | 7.2              | 8.3    | 9.7    | 10.0   |
| 10'-0" | 9.4                   | 10.0   | 10.0   | 10.0   | 4.3                                    | 5.0    | 5.9    | 7.3    | 6.1              | 7.0    | 8.3    | 10.0   |
| 12'-0" | 8.2                   | 9.4    | 10.0   | 10.0   |  | 4.3    | 5.1    | 6.4    | 5.3              | 6.1    | 7.2    | 8.9    |
| 14'-0" | 7.3                   | 8.3    | 9.9    | 10.0   |  |        | 4.6    | 5.7    | 4.8              | 5.5    | 6.4    | 8.0    |
| 14'-8" | 7.0                   | 8.1    | 9.5    | 10.0   |  |        | 4.4    | 5.5    | 4.6              | 5.3    | 6.2    | 7.7    |
| 16'-0" | 6.6                   | 7.5    | 8.9    | 10.0   |  |        | 4.1    | 5.1    | 4.3              | 4.9    | 5.8    | 7.2    |
| 17'-0" | 6.3                   | 7.2    | 8.5    | 10.0   |  |        |        | 4.9    | 4.1              | 4.7    | 5.6    | 6.9    |
| 18'-2" | 6.0                   | 6.8    | 8.1    | 10.0   |  |        |        | 4.7    |                  | 4.5    | 5.3    | 6.6    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

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 ASTROGUARD WIND ABATEMENT SYSTEM  
 FLORIDA BUILDING CODE EIGHTH EDITION (2023)  
 MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 23-1275-08  
 Expiration Date 10/20/2025  
 By H. G. A. Miller  
 Miami Dade Product Control

| REMARKS                       | DRWN | CHKD | DATE     |
|-------------------------------|------|------|----------|
| PREV. SUB. NO. 20-1102.08 MRT |      |      | 12/05/23 |

23-59904

SCALE: NTS UNLESS NOTED





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Table: 1/4" DEWALT HOLLOW-SET DROPIN ANCHOR SCHEDULE INTERIOR MOUNT CONDITION (IN. O.C.). Columns: SPAN, 4000 PSI MIN CONCRETE (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF), HOLLOW AND GROUT-FILLED CONCRETE BLOCK (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF).

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" DEWALT HOLLOW-SET DROPIN ANCHOR SCHEDULE WALL MOUNT CONDITION (IN. O.C.). Columns: SPAN, 4000 PSI MIN CONCRETE (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF), HOLLOW AND GROUT-FILLED CONCRETE BLOCK (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF).

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.). Columns: SPAN, 3000 PSI MIN CONCRETE (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF), HOLLOW AND GROUT-FILLED CONCRETE BLOCK (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF).

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.). Columns: SPAN, 3000 PSI MIN CONCRETE (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF), HOLLOW AND GROUT-FILLED CONCRETE BLOCK (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF).

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.). Columns: SPAN, 2700 PSI MIN CONCRETE (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF), HOLLOW CONCRETE BLOCK (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF), GROUT-FILLED CONCRETE BLOCK (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF).

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.). Columns: SPAN, 2700 PSI MIN CONCRETE (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF), HOLLOW CONCRETE BLOCK (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF), GROUT-FILLED CONCRETE BLOCK (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF).

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" DEWALT STEEL DROPIN ANCHOR SCHEDULE INTERIOR MOUNT CONDITION (IN. O.C.). Columns: SPAN, 4000 PSI MIN CONCRETE (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF).

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" DEWALT STEEL DROPIN ANCHOR SCHEDULE WALL MOUNT CONDITION (IN. O.C.). Columns: SPAN, 4000 PSI MIN CONCRETE (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF).

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

NOTE: SEE SHEET 6 FOR ANCHOR NOTES

Table: 3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE INTERIOR MOUNT CONDITION (IN. O.C.). Columns: SPAN, 4000 PSI MIN CONCRETE (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF).

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

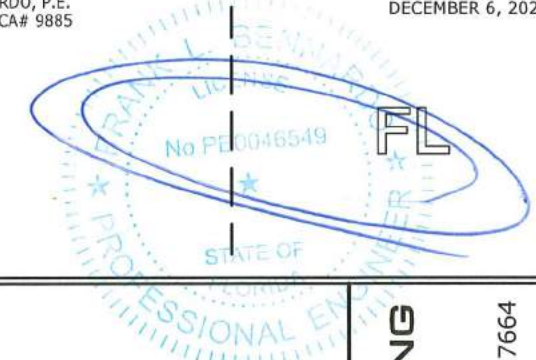
Table: 3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE WALL MOUNT CONDITION (IN. O.C.). Columns: SPAN, 4000 PSI MIN CONCRETE (DESIGN PRESSURE: 60 PSF, 50 PSF, 40 PSF, 30 PSF).

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 23-1215-08 Expiration Date 10/29/2025 By Healy, A. Miller Miami Dade Product Control

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

DECEMBER 6, 2023



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REMARKS: DRAWN CHKD DATE PREV. SUB. NOA 20-1102.08 MRT EPRVW 12/05/23

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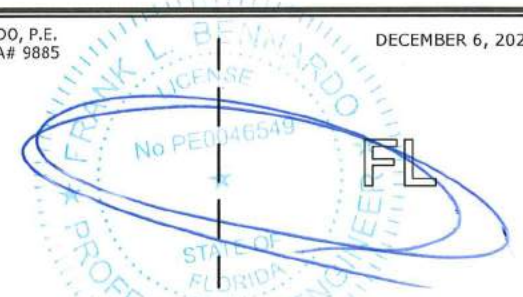
23-59904

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| 1/4" DEWALT POWER-STUD ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.) |                       |        |        |        |                             |        |        |        |
|--|-----------------------|--------|--------|--------|-----------------------------|--------|--------|--------|
| SPAN   | 4000 PSI MIN CONCRETE |        |        |        | GROUT-FILLED CONCRETE BLOCK |        |        |        |
|  | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE             |        |        |        |
|  | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                      | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 10.0                        | 10.0   | 10.0   | 10.0   |
| 6'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 9.5                         | 10.0   | 10.0   | 10.0   |
| 8'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 7.5                         | 8.8    | 10.0   | 10.0   |
| 10'-0"   | 10.0                  | 10.0   | 10.0   | 10.0   | 6.3                         | 7.3    | 8.8    | 10.0   |
| 12'-0"   | 8.6                   | 10.0   | 10.0   | 10.0   | 5.4                         | 6.3    | 7.5    | 9.5    |
| 14'-0"   | 7.6                   | 8.9    | 10.0   | 10.0   | 4.7                         | 5.5    | 6.7    | 8.4    |
| 14'-8"   | 7.3                   | 8.5    | 10.0   | 10.0   | 4.6                         | 5.3    | 6.4    | 8.1    |
| 16'-0"   | 6.8                   | 7.9    | 9.5    | 10.0   | 4.2                         | 4.9    | 6.0    | 7.5    |
| 17'-0"   | 6.5                   | 7.5    | 9.1    | 10.0   | 4.0                         | 4.7    | 5.7    | 7.2    |
| 18'-2"   | 6.1                   | 7.1    | 8.6    | 10.0   | 4.4                         | 5.4    | 6.8    |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

| 1/4" DEWALT POWER-STUD ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.) |                       |        |        |        |                             |        |        |        |
|--|-----------------------|--------|--------|--------|-----------------------------|--------|--------|--------|
| SPAN   | 4000 PSI MIN CONCRETE |        |        |        | GROUT-FILLED CONCRETE BLOCK |        |        |        |
|  | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE             |        |        |        |
|  | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                      | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 10.0                        | 10.0   | 10.0   | 10.0   |
| 6'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 8.4                         | 9.6    | 10.0   | 10.0   |
| 8'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 6.8                         | 7.7    | 9.1    | 10.0   |
| 10'-0"   | 9.3                   | 10.0   | 10.0   | 10.0   | 5.7                         | 6.6    | 7.7    | 9.6    |
| 12'-0"   | 8.1                   | 9.3    | 10.0   | 10.0   | 5.0                         | 5.7    | 6.8    | 8.4    |
| 14'-0"   | 7.2                   | 8.3    | 9.8    | 10.0   | 4.5                         | 5.1    | 6.0    | 7.5    |
| 14'-8"   | 7.0                   | 8.0    | 9.5    | 10.0   | 4.3                         | 4.9    | 5.8    | 7.2    |
| 16'-0"   | 6.5                   | 7.5    | 8.9    | 10.0   | 4.0                         | 4.6    | 5.5    | 6.8    |
| 17'-0"   | 6.2                   | 7.2    | 8.5    | 10.0   | 4.4                         | 5.2    | 6.5    |        |
| 18'-2"   | 5.9                   | 6.8    | 8.1    | 10.0   | 4.2                         | 5.0    | 6.2    |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 23-1215.08  
Expiration Date 10/20/2025  
By Haley A. Miller  
Miami Code Product Control

| 1/4" DEWALT PANELMATE FEMALE ID ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.) |                       |        |        |        |  |        |        |        |                  |        |        |        |
|---|-----------------------|--------|--------|--------|--|--------|--------|--------|------------------|--------|--------|--------|
| SPAN  | 3350 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|   | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        | DESIGN PRESSURE  |        |        |        |
|   | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"   | 10.0                  | 10.0   | 10.0   | 10.0   | 8.9                                    | 10.0   | 10.0   | 10.0   | 10.0             | 10.0   | 10.0   | 10.0   |
| 6'-0"   | 10.0                  | 10.0   | 10.0   | 10.0   | 6.5                                    | 7.5    | 8.9    | 10.0   | 10.0             | 10.0   | 10.0   | 10.0   |
| 8'-0"   | 10.0                  | 10.0   | 10.0   | 10.0   | 5.2                                    | 6.0    | 7.2    | 8.9    | 8.6              | 10.0   | 10.0   | 10.0   |
| 10'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 4.4                                    | 5.1    | 6.0    | 7.5    | 7.1              | 8.3    | 10.0   | 10.0   |
| 12'-0"  | 8.8                   | 10.0   | 10.0   | 10.0   | 4.4                                    | 5.2    | 6.5    | 6.0    | 7.1              | 8.6    | 10.0   |        |
| 14'-0"  | 7.7                   | 9.0    | 10.0   | 10.0   | 4.6                                    | 5.8    | 5.3    | 6.2    | 7.5              | 9.6    |        |        |
| 14'-8"  | 7.4                   | 8.7    | 10.0   | 10.0   | 4.5                                    | 5.6    | 5.0    | 5.9    | 7.2              | 9.2    |        |        |
| 16'-0"  | 6.9                   | 8.1    | 9.7    | 10.0   | 4.2                                    | 5.2    | 4.7    | 5.5    | 6.7              | 8.6    |        |        |
| 17'-0"  | 6.6                   | 7.7    | 9.2    | 10.0   | 5.0                                    | 4.4    | 5.2    | 6.3    | 8.1              |        |        |        |
| 18'-2"  | 6.2                   | 7.2    | 8.7    | 10.0   | 4.7                                    | 4.2    | 4.9    | 6.0    | 7.7              |        |        |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

| 1/4" DEWALT PANELMATE FEMALE ID ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.) |                       |        |        |        |  |        |        |        |                  |        |        |        |
|---|-----------------------|--------|--------|--------|--|--------|--------|--------|------------------|--------|--------|--------|
| SPAN  | 3350 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|   | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        | DESIGN PRESSURE  |        |        |        |
|   | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"   | 10.0                  | 10.0   | 10.0   | 10.0   | 8.7                                    | 9.9    | 10.0   | 10.0   | 10.0             | 10.0   | 10.0   | 10.0   |
| 6'-0"   | 10.0                  | 10.0   | 10.0   | 10.0   | 6.4                                    | 7.3    | 8.7    | 10.0   | 8.9              | 10.0   | 10.0   | 10.0   |
| 8'-0"   | 10.0                  | 10.0   | 10.0   | 10.0   | 5.1                                    | 5.9    | 7.0    | 8.7    | 7.2              | 8.3    | 9.7    | 10.0   |
| 10'-0"  | 9.4                   | 10.0   | 10.0   | 10.0   | 4.3                                    | 5.0    | 5.9    | 7.3    | 6.1              | 7.0    | 8.3    | 10.0   |
| 12'-0"  | 8.2                   | 9.4    | 10.0   | 10.0   | 4.3                                    | 5.1    | 6.4    | 5.3    | 6.1              | 7.2    | 8.9    |        |
| 14'-0"  | 7.3                   | 8.3    | 9.9    | 10.0   | 4.6                                    | 5.7    | 4.8    | 5.5    | 6.4              | 8.0    |        |        |
| 14'-8"  | 7.0                   | 8.1    | 9.5    | 10.0   | 4.4                                    | 5.5    | 4.6    | 5.3    | 6.2              | 7.7    |        |        |
| 16'-0"  | 6.6                   | 7.5    | 8.9    | 10.0   | 4.1                                    | 5.1    | 4.3    | 4.9    | 5.8              | 7.2    |        |        |
| 17'-0"  | 6.3                   | 7.2    | 8.5    | 10.0   | 4.9                                    | 4.1    | 4.7    | 5.6    | 6.9              |        |        |        |
| 18'-2"  | 6.0                   | 6.8    | 8.1    | 10.0   | 4.7                                    | 4.5    | 5.3    | 6.6    |                  |        |        |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

| 1/4" ITW SAMMY SSC ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.) |                       |        |        |        |                             |        |        |        |
|---|-----------------------|--------|--------|--------|-----------------------------|--------|--------|--------|
| SPAN  | 3295 PSI MIN CONCRETE |        |        |        | GROUT-FILLED CONCRETE BLOCK |        |        |        |
|   | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE             |        |        |        |
|   | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                      | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"   | 6.1                   | 6.9    | 8.0    | 9.8    | 4.4                         | 5.1    | 6.2    |        |
| 6'-0"   | 4.6                   | 5.2    | 6.1    | 7.4    | 4.7                         |        |        |        |
| 8'-0"   | 4.2                   | 5.0    | 6.1    |        |                             |        |        |        |
| 10'-0"  | 4.2                   | 5.2    |        |        |                             |        |        |        |
| 12'-0"  |                       | 4.6    |        |        |                             |        |        |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

| 1/4" DEWALT PANELMATE (MALE OR FEMALE) ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.) |                       |        |        |        |                  |        |        |        |
|---|-----------------------|--------|--------|--------|------------------|--------|--------|--------|
| SPAN  | 3323 PSI MIN CONCRETE |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|   | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE  |        |        |        |
|   | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"   | 4.3                   | 4.9    | 5.7    | 7.0    | 4.5              | 5.3    | 6.4    |        |
| 6'-0"   | 4.3                   | 5.3    | 4.9    |        |                  |        |        |        |
| 8'-0"   | 4.3                   |        |        |        |                  |        |        |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

| 1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.) |                       |        |        |        |                             |        |        |        |
|---|-----------------------|--------|--------|--------|-----------------------------|--------|--------|--------|
| SPAN  | 2700 PSI MIN CONCRETE |        |        |        | GROUT-FILLED CONCRETE BLOCK |        |        |        |
|   | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE             |        |        |        |
|   | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                      | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"   | 4.4                   | 5.0    | 5.9    | 7.2    | 4.3                         |        |        |        |
| 6'-0"   | 4.4                   | 5.4    |        |        |                             |        |        |        |
| 8'-0"   | 4.4                   |        |        |        |                             |        |        |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

| 1/4" DEWALT PANELMATE TVAS ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.) |                       |        |        |        |  |        |        |        |                  |        |        |        |
|--|-----------------------|--------|--------|--------|--|--------|--------|--------|------------------|--------|--------|--------|
| SPAN   | 3350 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|  | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        | DESIGN PRESSURE  |        |        |        |
|  | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 9.5                                    | 10.0   | 10.0   | 10.0   | 10.0             | 10.0   | 10.0   | 10.0   |
| 6'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 7.0                                    | 8.0    | 9.5    | 10.0   | 10.0             | 10.0   | 10.0   | 10.0   |
| 8'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 5.7                                    | 6.5    | 7.7    | 9.5    | 8.6              | 10.0   | 10.0   | 10.0   |
| 10'-0"   | 10.0                  | 10.0   | 10.0   | 10.0   | 4.8                                    | 5.5    | 6.5    | 8.0    | 7.1              | 8.3    | 10.0   | 10.0   |
| 12'-0"   | 10.0                  | 10.0   | 10.0   | 10.0   | 4.2                                    | 4.8    | 5.7    | 7.0    | 6.0              | 7.1    | 8.6    | 10.0   |
| 14'-0"   | 9.7                   | 10.0   | 10.0   | 10.0   | 4.3                                    | 5.0    | 6.3    | 5.3    | 6.2              | 7.5    | 9.6    |        |
| 14'-8"   | 9.4                   | 10.0   | 10.0   | 10.0   | 4.1                                    | 4.9    | 6.1    | 5.0    | 5.9              | 7.2    | 9.2    |        |
| 16'-0"   | 8.7                   | 10.0   | 10.0   | 10.0   | 4.6                                    | 5.7    | 4.7    | 5.5    | 6.7              | 8.6    |        |        |
| 17'-0"   | 8.3                   | 9.6    | 10.0   | 10.0   | 4.4                                    | 5.4    | 4.4    | 5.2    | 6.3              | 8.1    |        |        |
| 18'-2"   | 7.9                   | 9.1    | 10.0   | 10.0   | 4.1                                    | 5.2    | 4.2    | 4.9    | 6.0              | 7.7    |        |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

| 1/4" DEWALT PANELMATE TVAS ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.) |                       |        |        |        |  |        |        |        |                  |        |        |        |
|--|-----------------------|--------|--------|--------|--|--------|--------|--------|------------------|--------|--------|--------|
| SPAN   | 3350 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|  | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        | DESIGN PRESSURE  |        |        |        |
|  | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 10.0                                   | 10.0   | 10.0   | 10.0   | 10.0             | 10.0   | 10.0   | 10.0   |
| 6'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 7.7                                    | 8.9    | 10.0   | 10.0   | 8.9              | 10.0   | 10.0   | 10.0   |
| 8'-0"  | 10.0                  | 10.0   | 10.0   | 10.0   | 6.1                                    | 7.1    | 8.4    | 10.0   | 7.2              | 8.3    | 9.7    | 10.0   |
| 10'-0"   | 10.0                  | 10.0   | 10.0   | 10.0   | 5.1                                    | 5.9    | 7.1    | 8.9    | 6.1              | 7.0    | 8.3    | 10.0   |
| 12'-0"   | 10.0                  | 10.0   | 10.0   | 10.0   | 4.4                                    | 5.1    | 6.1    | 7.7    | 5.3              | 6.1    | 7.2    | 8.9    |
| 14'-0"   | 9.6                   | 10.0   | 10.0   | 10.0   | 4.5                                    | 5.4    | 6.8    | 4.8    | 5.5              | 6.4    | 8.0    |        |
| 14'-8"   | 9.2                   | 10.0   | 10.0   | 10.0   | 4.3                                    | 5.2    | 6.6    | 4.6    | 5.3              | 6.2    | 7.7    |        |
| 16'-0"   | 8.6                   | 9.9    | 10.0   | 10.0   | 4.0                                    | 4.8    | 6.1    | 4.3    | 4.9              | 5.8    | 7.2    |        |
| 17'-0"   | 8.2                   | 9.5    | 10.0   | 10.0   | 4.6                                    | 5.8    | 4.1    | 4.7    | 5.6              | 6.9    |        |        |
| 18'-2"   | 7.8                   | 9.0    | 10.0   | 10.0   | 4.4                                    | 5.5    | 4.5    | 5.3    | 6.6              |        |        |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

NOTE: SEE SHEET 6 FOR ANCHOR NOTES

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FLORIDA BUILDING CODE EIGHTH EDITION (2023)  
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

| REMARKS                       | DRWN | CHKD | DATE     |
|-------------------------------|------|------|----------|
| PREV. SUB. NO. 20-1102.08 MRT | EPR  | RVW  | 12/05/23 |

23-59904

SCALE: NTS UNLESS NOTED

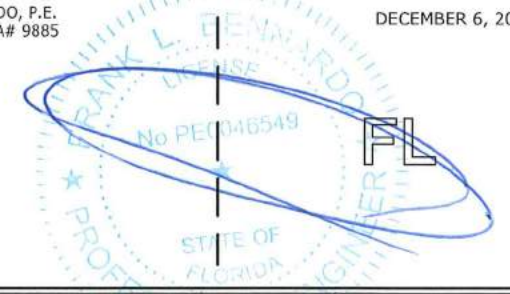
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FRANK BENNARDO, P.E.  
PE# 0046549 CA# 9885

DECEMBER 6, 2023



**1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)**

| SPAN  | 3000 PSI MIN CONCRETE |        |        |        |
|-------|-----------------------|--------|--------|--------|
|       | DESIGN PRESSURE       |        |        |        |
|       | 60 PSF                | 50 PSF | 40 PSF | 30 PSF |
| 4'-0" | 4.4                   | 5.0    | 5.8    | 7.1    |
| 6'-0" |                       |        | 4.4    | 5.4    |
| 8'-0" |                       |        |        | 4.4    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE EXTRUSION 1 MOUNT (IN. O.C.)**

| SPAN   | 4000 PSI MIN CONCRETE |        |        |        |
|--------|-----------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 8.5                   | 9.6    | 11.2   | 12.0   |
| 6'-0"  | 6.4                   | 7.3    | 8.5    | 10.4   |
| 8'-0"  | 5.2                   | 5.9    | 6.9    | 8.5    |
| 10'-0" |                       | 5.1    | 5.9    | 7.3    |
| 12'-0" |                       |        |        | 5.2    |
| 14'-0" |                       |        |        | 4.7    |
| 14'-8" |                       |        |        | 4.5    |
| 16'-0" |                       |        |        | 5.2    |
| 17'-0" |                       |        |        | 5.0    |
| 18'-2" |                       |        |        | 4.8    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**1/4" DEWALT STEEL DROPIN ANCHOR SCHEDULE EXTRUSION 1 MOUNT (IN. O.C.)**

| SPAN  | 4000 PSI MIN CONCRETE |        |        |        |
|-------|-----------------------|--------|--------|--------|
|       | DESIGN PRESSURE       |        |        |        |
|       | 60 PSF                | 50 PSF | 40 PSF | 30 PSF |
| 4'-0" | 4.0                   | 4.6    | 5.3    | 6.5    |
| 6'-0" |                       |        | 4.0    | 4.9    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**1/4" ITW SAMMY SSC ANCHOR SCHEDULE - EXTRUSION 2 MOUNT (IN. O.C.)**

| SPAN   | 3295 PSI MIN CONCRETE |        |        |        | HOLLOW CONCRETE BLOCK |        |        |        | GROUT-FILLED CONCRETE BLOCK |        |        |        |
|--------|-----------------------|--------|--------|--------|-----------------------|--------|--------|--------|-----------------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE             |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                      | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 12.0                  | 12.0   | 12.0   | 12.0   | 6.9                   | 8.0    | 9.6    | 12.0   | 9.2                         | 10.6   | 12.0   | 12.0   |
| 6'-0"  | 12.0                  | 12.0   | 12.0   | 12.0   | 5.0                   | 5.8    | 6.9    | 8.8    | 6.8                         | 7.8    | 9.2    | 11.4   |
| 8'-0"  | 9.7                   | 11.3   | 12.0   | 12.0   |                       | 4.5    | 5.5    | 6.9    | 5.4                         | 6.2    | 7.4    | 9.2    |
| 10'-0" | 8.1                   | 9.4    | 11.3   | 12.0   |                       |        | 4.5    | 5.8    | 4.5                         | 5.2    | 6.2    | 7.8    |
| 12'-0" | 6.9                   | 8.1    | 9.7    | 12.0   |                       |        |        | 5.0    |                             | 4.5    | 5.4    | 6.8    |
| 14'-0" | 6.1                   | 7.1    | 8.6    | 10.9   |                       |        |        | 4.4    |                             | 4.0    | 4.8    | 6.0    |
| 14'-8" | 5.9                   | 6.8    | 8.3    | 10.5   |                       |        |        | 4.2    |                             |        | 4.6    | 5.8    |
| 16'-0" | 5.4                   | 6.4    | 7.7    | 9.7    |                       |        |        |        |                             |        | 4.3    | 5.4    |
| 17'-0" | 5.2                   | 6.0    | 7.3    | 9.3    |                       |        |        |        |                             |        | 4.1    | 5.2    |
| 18'-2" | 4.9                   | 5.7    | 6.9    | 8.8    |                       |        |        |        |                             |        |        | 4.9    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**1/4" DEWALT POWER-STUD ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)**

| SPAN  | 4000 PSI MIN CONCRETE |        |        |        | GROUT-FILLED CONCRETE BLOCK |        |        |        |
|-------|-----------------------|--------|--------|--------|-----------------------------|--------|--------|--------|
|       | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE             |        |        |        |
|       | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                      | 50 PSF | 40 PSF | 30 PSF |
| 4'-0" | 4.1                   | 4.7    | 5.5    | 6.7    |                             |        |        | 4.3    |
| 6'-0" |                       |        | 4.1    | 5.1    |                             |        |        |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**1/4" DEWALT PANELMATE TVAS ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)**

| SPAN   | 3350 PSI MIN CONCRETE |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|--------|-----------------------|--------|--------|--------|------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE  |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 4.9                   | 5.6    | 6.6    | 8.0    |                  | 4.5    | 5.3    | 6.4    |
| 6'-0"  |                       | 4.2    | 4.9    | 6.0    |                  |        |        | 4.9    |
| 8'-0"  |                       |        | 4.1    | 4.9    |                  |        |        |        |
| 10'-0" |                       |        |        | 4.2    |                  |        |        |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**1/4" DEWALT PANELMATE (MALE OR FEMALE) ANCHOR SCHEDULE - EXTRUSION 2 MOUNT (IN. O.C.)**

| SPAN   | 3323 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|--------|-----------------------|--------|--------|--------|--|--------|--------|--------|------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        | DESIGN PRESSURE  |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 12.0                  | 12.0   | 12.0   | 12.0   | 5.7                                    | 6.6    | 8.0    | 10.1   | 9.1              | 10.4   | 12.0   | 12.0   |
| 6'-0"  | 9.4                   | 11.0   | 12.0   | 12.0   | 4.0                                    | 4.7    | 5.7    | 7.2    | 6.6              | 7.6    | 9.1    | 11.3   |
| 8'-0"  | 7.4                   | 8.6    | 10.4   | 12.0   |  |        | 4.4    | 5.7    | 5.2              | 6.1    | 7.2    | 9.1    |
| 10'-0" | 6.1                   | 7.1    | 8.6    | 11.0   |  |        |        | 4.7    | 4.4              | 5.1    | 6.1    | 7.6    |
| 12'-0" | 5.2                   | 6.1    | 7.4    | 9.4    |  |        |        | 4.0    |                  | 4.4    | 5.2    | 6.6    |
| 14'-0" | 4.6                   | 5.4    | 6.5    | 8.3    |  |        |        |        |                  |        | 4.6    | 5.8    |
| 14'-8" | 4.4                   | 5.1    | 6.2    | 8.0    |  |        |        |        |                  |        | 4.5    | 5.6    |
| 16'-0" | 4.1                   | 4.8    | 5.8    | 7.4    |  |        |        |        |                  |        | 4.2    | 5.2    |
| 17'-0" |                       | 4.5    | 5.5    | 7.0    |  |        |        |        |                  |        |        | 5.0    |
| 18'-2" |                       | 4.3    | 5.2    | 6.6    |  |        |        |        |                  |        |        | 4.7    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**1/4" DEWALT PANELMATE FEMALE ID ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)**

| SPAN  | 3350 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|-------|-----------------------|--------|--------|--------|--|--------|--------|--------|------------------|--------|--------|--------|
|       | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        | DESIGN PRESSURE  |        |        |        |
|       | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0" | 4.3                   | 4.9    | 5.7    | 7.0    |  |        |        |        | 4.5              | 5.3    |        | 6.4    |
| 6'-0" |                       |        | 4.3    | 5.3    |  |        |        |        |                  |        |        | 4.9    |
| 8'-0" |                       |        |        | 4.3    |  |        |        |        |                  |        |        |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**1/4" DEWALT HOLLOW-SET DROPIN ANCHOR SCHEDULE EXTRUSION 2 MOUNT (IN. O.C.)**

| SPAN   | 4000 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        |
|--------|-----------------------|--------|--------|--------|--|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 8.5                   | 9.9    | 12.0   | 12.0   |  | 4.3    | 5.2    | 6.8    |
| 6'-0"  | 5.9                   | 6.9    | 8.5    | 10.9   |  |        |        | 4.7    |
| 8'-0"  | 4.6                   | 5.4    | 6.6    | 8.5    |  |        |        |        |
| 10'-0" |                       | 4.4    | 5.4    | 6.9    |  |        |        |        |
| 12'-0" |                       |        | 4.6    | 5.9    |  |        |        |        |
| 14'-0" |                       |        |        | 5.1    |  |        |        |        |
| 14'-8" |                       |        |        | 4.9    |  |        |        |        |
| 16'-0" |                       |        |        | 4.6    |  |        |        |        |
| 17'-0" |                       |        |        | 4.3    |  |        |        |        |
| 18'-2" |                       |        |        | 4.1    |  |        |        |        |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 23-1215.08  
Expiration Date 10/20/2025  
By Helga A. Akbar  
Miami Desk Product Control

**1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - EXTRUSION 2 MOUNT (IN. O.C.)**

| SPAN   | 2700 PSI MIN CONCRETE |        |        |        | HOLLOW CONCRETE BLOCK |        |        |        | GROUT-FILLED CONCRETE BLOCK |        |        |        |
|--------|-----------------------|--------|--------|--------|-----------------------|--------|--------|--------|-----------------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE             |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                      | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 11.1                  | 12.0   | 12.0   | 12.0   | 8.4                   | 9.8    | 11.8   | 12.0   | 8.6                         | 10.0   | 12.0   | 12.0   |
| 6'-0"  | 8.1                   | 9.3    | 11.1   | 12.0   | 6.0                   | 7.0    | 8.4    | 10.7   | 6.1                         | 7.1    | 8.6    | 10.9   |
| 8'-0"  | 6.4                   | 7.4    | 8.9    | 11.1   | 4.6                   | 5.4    | 6.6    | 8.4    | 4.8                         | 5.6    | 6.7    | 8.6    |
| 10'-0" | 5.4                   | 6.2    | 7.4    | 9.3    |                       | 4.5    | 5.4    | 7.0    |                             | 4.6    | 5.6    | 7.1    |
| 12'-0" | 4.7                   | 5.4    | 6.4    | 8.1    |                       |        | 4.6    | 6.0    |                             |        | 4.8    | 6.1    |
| 14'-0" | 4.1                   | 4.8    | 5.7    | 7.2    |                       |        | 4.1    | 5.2    |                             |        | 4.2    | 5.3    |
| 14'-8" |                       | 4.6    | 5.5    | 6.9    |                       |        |        | 5.0    |                             |        |        | 5.1    |
| 16'-0" |                       | 4.3    | 5.1    | 6.4    |                       |        |        | 4.6    |                             |        |        | 4.8    |
| 17'-0" |                       | 4.1    | 4.9    | 6.1    |                       |        |        | 4.4    |                             |        |        | 4.5    |
| 18'-2" |                       |        | 4.6    | 5.8    |                       |        |        | 4.2    |                             |        |        | 4.3    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

NOTE: SEE SHEET 6 FOR ANCHOR NOTES

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FLORIDA BUILDING CODE EIGHTH EDITION (2023)  
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

| REMARKS | PREV. SUB. NO. | NO. | DATE     |
|---------|----------------|-----|----------|
|         | 20-1102.08     | MRT | 12/05/23 |

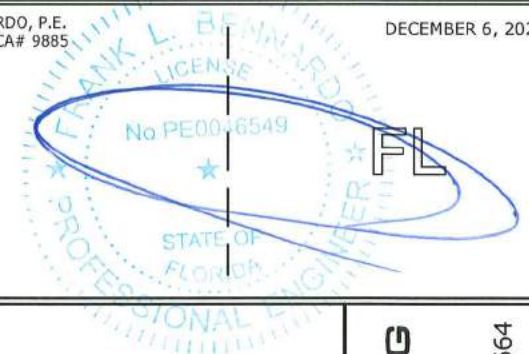
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FRANK BENNARDO, P.E.  
PE# 0046549 CA# 9885

DECEMBER 6, 2023



**1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - EXTRUSION 2 MOUNT (IN. O.C.)**

| SPAN   | 3000 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        |
|--------|-----------------------|--------|--------|--------|--|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 12.0                  | 12.0   | 12.0   | 12.0   | 8.7                                    | 10.2   | 12.0   | 12.0   |
| 6'-0"  | 10.7                  | 12.0   | 12.0   | 12.0   | 6.1                                    | 7.2    | 8.7    | 11.1   |
| 8'-0"  | 8.3                   | 9.7    | 11.8   | 12.0   | 4.8                                    | 5.6    | 6.8    | 8.7    |
| 10'-0" | 6.8                   | 8.0    | 9.7    | 12.0   |  | 4.6    | 5.6    | 7.2    |
| 12'-0" | 5.8                   | 6.8    | 8.3    | 10.7   |  |        | 4.8    | 6.1    |
| 14'-0" | 5.0                   | 5.9    | 7.2    | 9.3    |  |        | 4.2    | 5.4    |
| 14'-8" | 4.8                   | 5.7    | 6.9    | 9.0    |  |        |        | 5.2    |
| 16'-0" | 4.5                   | 5.3    | 6.4    | 8.3    |  |        |        | 4.8    |
| 17'-0" | 4.2                   | 5.0    | 6.1    | 7.9    |  |        |        | 4.5    |
| 18'-2" |                       | 4.7    | 5.7    | 7.4    |  |        |        | 4.3    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**1/4" DEWALT STEEL DROPIN ANCHOR SCHEDULE EXTRUSION 2 MOUNT (IN. O.C.)**

| SPAN   | 4000 PSI MIN CONCRETE |        |        |        |
|--------|-----------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 12.0                  | 12.0   | 12.0   | 12.0   |
| 6'-0"  | 9.8                   | 11.5   | 12.0   | 12.0   |
| 8'-0"  | 7.6                   | 8.9    | 10.9   | 12.0   |
| 10'-0" | 6.2                   | 7.3    | 8.9    | 11.5   |
| 12'-0" | 5.3                   | 6.2    | 7.6    | 9.8    |
| 14'-0" | 4.6                   | 5.4    | 6.6    | 8.6    |
| 14'-8" | 4.4                   | 5.2    | 6.4    | 8.2    |
| 16'-0" | 4.1                   | 4.8    | 5.9    | 7.6    |
| 17'-0" |                       | 4.6    | 5.6    | 7.2    |
| 18'-2" |                       | 4.3    | 5.2    | 6.8    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**1/4" DEWALT PANELMATE TVAS ANCHOR SCHEDULE - EXTRUSION 2 MOUNT (IN. O.C.)**

| SPAN   | 3350 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|--------|-----------------------|--------|--------|--------|--|--------|--------|--------|------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        | DESIGN PRESSURE  |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 12.0                  | 12.0   | 12.0   | 12.0   | 6.2                                    | 7.3    | 8.8    | 11.3   | 9.1              | 10.4   | 12.0   | 12.0   |
| 6'-0"  | 11.6                  | 12.0   | 12.0   | 12.0   | 4.3                                    | 5.1    | 6.2    | 8.0    | 6.6              | 7.6    | 9.1    | 11.3   |
| 8'-0"  | 9.1                   | 10.6   | 12.0   | 12.0   |  |        | 4.8    | 6.2    | 5.2              | 6.1    | 7.2    | 9.1    |
| 10'-0" | 7.4                   | 8.7    | 10.6   | 12.0   |  |        |        | 5.1    | 4.4              | 5.1    | 6.1    | 7.6    |
| 12'-0" | 6.3                   | 7.4    | 9.1    | 11.6   |  |        |        | 4.3    |                  | 4.4    | 5.2    | 6.6    |
| 14'-0" | 5.5                   | 6.5    | 7.9    | 10.2   |  |        |        |        |                  |        | 4.6    | 5.8    |
| 14'-8" | 5.3                   | 6.2    | 7.6    | 9.8    |  |        |        |        |                  |        | 4.5    | 5.6    |
| 16'-0" | 4.9                   | 5.8    | 7.0    | 9.1    |  |        |        |        |                  |        | 4.2    | 5.2    |
| 17'-0" | 4.6                   | 5.5    | 6.7    | 8.6    |  |        |        |        |                  |        |        | 5.0    |
| 18'-2" | 4.4                   | 5.1    | 6.3    | 8.1    |  |        |        |        |                  |        |        | 4.7    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE EXTRUSION 2 MOUNT (IN. O.C.)**

| SPAN   | 4000 PSI MIN CONCRETE |        |        |        |
|--------|-----------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 12.0                  | 12.0   | 12.0   | 12.0   |
| 6'-0"  | 12.0                  | 12.0   | 12.0   | 12.0   |
| 8'-0"  | 12.0                  | 12.0   | 12.0   | 12.0   |
| 10'-0" | 12.0                  | 12.0   | 12.0   | 12.0   |
| 12'-0" | 11.2                  | 12.0   | 12.0   | 12.0   |
| 14'-0" | 9.8                   | 11.5   | 12.0   | 12.0   |
| 14'-8" | 9.4                   | 11.0   | 12.0   | 12.0   |
| 16'-0" | 8.6                   | 10.2   | 12.0   | 12.0   |
| 17'-0" | 8.2                   | 9.7    | 11.8   | 12.0   |
| 18'-2" | 7.7                   | 9.1    | 11.1   | 12.0   |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**1/4" DEWALT PANELMATE FEMALE ID ANCHOR SCHEDULE - EXTRUSION 2 MOUNT (IN. O.C.)**

| SPAN   | 3350 PSI MIN CONCRETE |        |        |        | HOLLOW AND GROUT-FILLED CONCRETE BLOCK |        |        |        | G=0.55 MIN. WOOD |        |        |        |
|--------|-----------------------|--------|--------|--------|--|--------|--------|--------|------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE                        |        |        |        | DESIGN PRESSURE  |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                                 | 50 PSF | 40 PSF | 30 PSF | 60 PSF           | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 12.0                  | 12.0   | 12.0   | 12.0   | 5.7                                    | 6.6    | 8.0    | 10.1   | 9.1              | 10.4   | 12.0   | 12.0   |
| 6'-0"  | 9.4                   | 11.0   | 12.0   | 12.0   | 4.0                                    | 4.7    | 5.7    | 7.2    | 6.6              | 7.6    | 9.1    | 11.3   |
| 8'-0"  | 7.4                   | 8.6    | 10.4   | 12.0   |  |        | 4.4    | 5.7    | 5.2              | 6.1    | 7.2    | 9.1    |
| 10'-0" | 6.1                   | 7.1    | 8.6    | 11.0   |  |        |        | 4.7    | 4.4              | 5.1    | 6.1    | 7.6    |
| 12'-0" | 5.2                   | 6.1    | 7.4    | 9.4    |  |        |        | 4.0    |                  | 4.4    | 5.2    | 6.6    |
| 14'-0" | 4.6                   | 5.4    | 6.5    | 8.3    |  |        |        |        |                  |        | 4.6    | 5.8    |
| 14'-8" | 4.4                   | 5.1    | 6.2    | 8.0    |  |        |        |        |                  |        | 4.5    | 5.6    |
| 16'-0" | 4.1                   | 4.8    | 5.8    | 7.4    |  |        |        |        |                  |        | 4.2    | 5.2    |
| 17'-0" |                       | 4.5    | 5.5    | 7.0    |  |        |        |        |                  |        |        | 5.0    |
| 18'-2" |                       | 4.3    | 5.2    | 6.6    |  |        |        |        |                  |        |        | 4.7    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**1/4" DEWALT POWER-STUD ANCHOR SCHEDULE - EXTRUSION 2 MOUNT (IN. O.C.)**

| SPAN   | 4000 PSI MIN CONCRETE |        |        |        | GROUT-FILLED CONCRETE BLOCK |        |        |        |
|--------|-----------------------|--------|--------|--------|-----------------------------|--------|--------|--------|
|        | DESIGN PRESSURE       |        |        |        | DESIGN PRESSURE             |        |        |        |
|        | 60 PSF                | 50 PSF | 40 PSF | 30 PSF | 60 PSF                      | 50 PSF | 40 PSF | 30 PSF |
| 4'-0"  | 12.0                  | 12.0   | 12.0   | 12.0   | 8.1                         | 9.4    | 11.2   | 12.0   |
| 6'-0"  | 9.2                   | 10.8   | 12.0   | 12.0   | 5.8                         | 6.7    | 8.1    | 10.2   |
| 8'-0"  | 7.2                   | 8.4    | 10.2   | 12.0   | 4.5                         | 5.3    | 6.4    | 8.1    |
| 10'-0" | 6.0                   | 7.0    | 8.4    | 10.8   |                             | 4.4    | 5.3    | 6.7    |
| 12'-0" | 5.1                   | 6.0    | 7.2    | 9.2    |                             |        | 4.5    | 5.8    |
| 14'-0" | 4.5                   | 5.2    | 6.3    | 8.1    |                             |        |        | 5.1    |
| 14'-8" | 4.3                   | 5.0    | 6.1    | 7.8    |                             |        |        | 4.9    |
| 16'-0" |                       | 4.6    | 5.6    | 7.2    |                             |        |        | 4.5    |
| 17'-0" |                       | 4.4    | 5.4    | 6.9    |                             |        |        | 4.3    |
| 18'-2" |                       | 4.2    | 5.1    | 6.5    |                             |        |        | 4.1    |

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 23-1215.08  
Expiration Date 10/20/2025

By *[Signature]*  
Miami Dade Product Control

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POSTAL ADDRESS:  
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ASTROGUARD WIND ABATEMENT SYSTEM  
FLORIDA BUILDING CODE EIGHTH EDITION (2023)  
MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

| REMARKS                       | DATE     |
|-------------------------------|----------|
| PREV. SUB. NOA 20-1102.08 MRT | 12/05/23 |
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23-59904

SCALE: NTS UNLESS NOTED

NOTE: SEE SHEET 6 FOR ANCHOR NOTES



Table: 1/4" ITW SAMMY SSC ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.) with columns for SPAN and various concrete strengths (3295 PSI MIN CONCRETE, HOLLOW CONCRETE BLOCK, GROUT-FILLED CONCRETE BLOCK).

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" DEWALT PANELMATE (MALE OR FEMALE) ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.) with columns for SPAN, 3323 PSI MIN CONCRETE, HOLLOW AND GROUT-FILLED CONCRETE BLOCK, G=0.55 MIN. WOOD.

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.) with columns for SPAN, 2700 PSI MIN CONCRETE, HOLLOW CONCRETE BLOCK, GROUT-FILLED CONCRETE BLOCK.

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" DEWALT PANELMATE FEMALE ID ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.) with columns for SPAN, 3350 PSI MIN CONCRETE, HOLLOW AND GROUT-FILLED CONCRETE BLOCK, G=0.55 MIN. WOOD.

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.) with columns for SPAN, 3000 PSI MIN CONCRETE, HOLLOW AND GROUT-FILLED CONCRETE BLOCK.

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" DEWALT STEEL DROPIN ANCHOR SCHEDULE BUILD OUT TUBE MOUNT (IN. O.C.) with columns for SPAN, 4000 PSI MIN CONCRETE.

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE BUILD OUT TUBE MOUNT (IN. O.C.) with columns for SPAN, 4000 PSI MIN CONCRETE.

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

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Table: 1/4" DEWALT POWER-STUD ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.) with columns for SPAN, 4000 PSI MIN CONCRETE, GROUT-FILLED CONCRETE BLOCK.

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" DEWALT HOLLOW-SET DROPIN ANCHOR SCHEDULE BUILD OUT TUBE MOUNT (IN. O.C.) with columns for SPAN, 4000 PSI MIN CONCRETE.

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

Table: 1/4" DEWALT PANELMATE TVAS ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.) with columns for SPAN, 3350 PSI MIN CONCRETE, HOLLOW AND GROUT-FILLED CONCRETE BLOCK, G=0.55 MIN. WOOD.

NOTE: DESIGN PRESSURES LISTED ARE MAXIMUM ALLOWABLE (ASD) DESIGN PRESSURES.

NOTE: SEE SHEET 6 FOR ANCHOR NOTES

Professional Engineer Seal for Frank Bennardo, P.E., PE# 0046549, State of Florida, License No. PE0046549, December 6, 2023.

ENGINEERING EXPRESS logo and contact information: POSTAL ADDRESS: 2234 NORTH FEDERAL HWY #7664 BOCA RATON, FL 33431 ENGINEERINGEXPRESS.COM. HURRICANE FABRIC, LLC 1505 POINSETTIA DR, SUITE H-3 DELRAY BEACH, FL 33444 WWW.HURRICANEFABRIC.COM. ASTROGUARD WIND ABATEMENT SYSTEM FLORIDA BUILDING CODE EIGHTH EDITION (2023) MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA)

Table with columns: REMARKS, DRWN, CHKD, DATE. Includes revision notes and a table for design pressures.

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

DECEMBER 6, 2023



**PAGE INDEX:**

| SHEET INDEX |  |
|-------------|--|
| # SHEET     | DESCRIPTION  |
| 1           | COVER SHEET, GENERAL NOTES, PANEL & SPLICE DETAILS   |
| 2           | TYPICAL MOUNTING DETAILS, GLASS SEPARATION SCHEDULE AND LOADS ON EXISTING STRUCTURE SCHEDULE |
| 3           | ANGLED PANEL INSTALLATION DETAILS AND STORM BAR INSTALLATION DETAIL                          |
| 4           | STORM BAR INSTALLATION DETAILS & STORM BAR SCHEDULES   |
| 5           | ALTERNATE ATTACHMENT DETAILS & PARTS   |
| 6           | ANCHOR NOTES & ANCHOR SCHEDULE   |
| 7-11        | ANCHOR SCHEDULE (CONTINUED)  |
| 12          | PAGE INDEX & TERMINOLOGY   |

**TERMINOLOGY:**

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 / in<sup>2</sup>", "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 (lb/ft<sup>2</sup>)", "PSI" FOR "POUNDS PER SQUARE INCH (lb/in<sup>2</sup>)", "QTY" FOR "QUANTITY", "REF." FOR "REFERENCE", "SCHD." 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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 By Helya A. Miller  
 Miami Dade Product Control

| REMARKS                               | DRWN | CHKD | DATE     |
|---------------------------------------|------|------|----------|
| PREV. SUB. NOA 20-1102.08 MRT EPR/RWN |      |      | 12/05/23 |
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