



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 18 of 18, prepared by Engineering Express, dated October 19, 2020, last revision dated March 04, 2024, signed and sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, 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*  
05/30/24

NOA No. 24-0401.02  
Expiration Date: 10/20/2025  
Approval Date: 05/30/2024  
Page 1

**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**

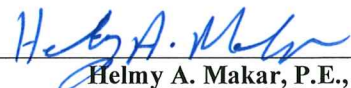
1. *Drawing No. 12-HFC-04, titled " Astro Guard Wind Abatement System ", sheets 1 through 11 of 11, prepared by Engineering Express, dated July 16, 2012, last revision dated March 22, 2013, signed & sealed by Frank L. Bennardo, P.E., on 03/25/2013.*

**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. 24-0401.02  
Expiration Date: 10/20/2025  
Approval Date: 05/30/2024

**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. 24-0401.02  
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**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 18 of 18, prepared by Engineering Express, dated October 19, 2020, last revision dated March 04, 2024, signed and sealed by Frank L. Bennardo, 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. 20-2188, dated 08/28/2021, signed and sealed by Idalmis Ortega, P.E.*

**C. CALCULATIONS**


1. *Comparative Analysis and Anchor calculations dated March 07, 2024, 18 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.*

  
\_\_\_\_\_  
Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor  
NOA No. 24-0401.02  
Expiration Date: 10/20/2025  
Approval Date: 05/30/2024

# HURRICANE FABRIC, LLC

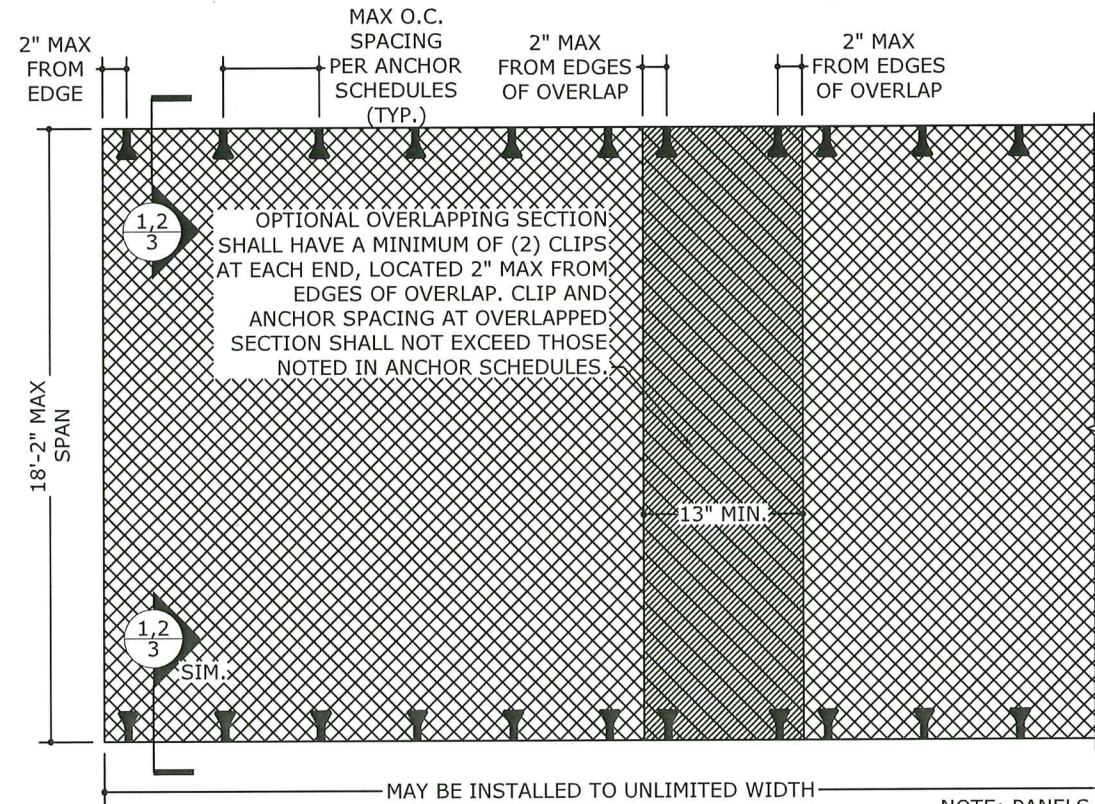
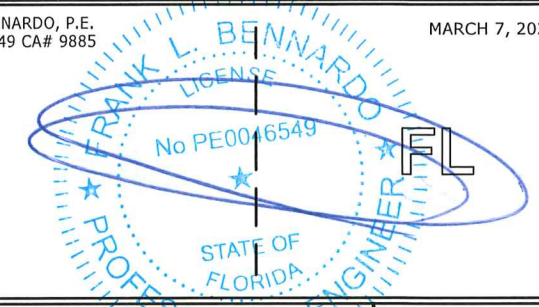
## ASTROGUARD WIND ABATEMENT SYSTEM LARGE MISSILE IMPACT RESISTANT

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

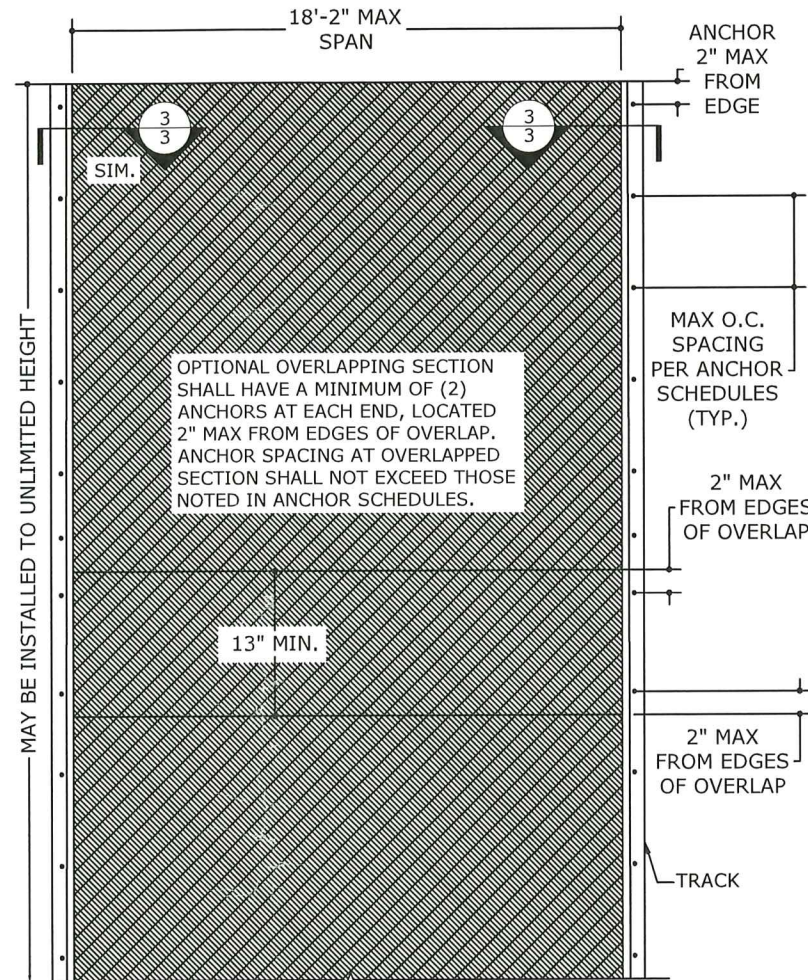
MARCH 7, 2024



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

**1**  
**01** CLIP OPTION, PANEL INSTALLATION, TYP.  
EXTERIOR ELEV  
NOT TO SCALE

NOTE: PANELS MAY ALSO BE ANCHORED WITH A COMBINATION OF CLIP OPTION ON ONE SIDE AND TRACK OPTION ON ONE SIDE, IF DESIRED. THIRD AND FOURTH SIDES MAY BE OPTIONALLY ANCHORED USING THE CLIP OPTION.



**2**  
**01** TRACK OPTION, PANEL INSTALLATION, TYP.  
EXTERIOR ELEV  
NOT TO SCALE

**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 THIS OFFICE AT [ENGINEERINGEXPRESS.COM/QUOTE](http://ENGINEERINGEXPRESS.COM/QUOTE) FOR ASSISTANCE WITH YOUR PROJECT-SPECIFIC NEEDS & FOR ADAPTATION & CERTIFICATION OF THIS DOCUMENT OUTSIDE OF FLORIDA.

**RETENTION CLIP END CONNECTOR:**

RHODIA ENGINEERING PLASTICS  
POLYAMIDE 66

**WELT BAR SPECIFICATION:**

PVC WELT CORD WELDED OR ENCAPSULATED TO HURRICANE FABRIC PANEL EDGE. WELT FLAP SEWN OR WELDED TO HURRICANE FABRIC PANEL. (SEE DETAILS NEXT PAGE).

**HURRICANE FABRIC SPECIFICATION:**

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

**SEWING:**

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

### GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE PER TAS 201, 202 AND 203 TESTING STANDARDS. THE SYSTEM IS DESIGNED AS LARGE MISSILE RESISTANT.
2. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. 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 THE FLORIDA BUILDING CODE SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
4. PRESSURE & REACTIONS VALUES IN THIS APPROVAL ARE BASED ON (ASD) ALLOWABLE STRESS DESIGN METHODOLOGY.
5. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR. PANELS HAVE BEEN DESIGNED WITH A TOTAL 2" PRE-LOAD SLACK.
6. 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.
7. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO EXISTING STRUCTURE.
8. 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.

9. 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.
10. ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6, U.N.O.
11. 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.
12. REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
13. UNLESS OTHERWISE NOTED HEREIN, ALL SCREWS SHALL BE 304 OR 316 STAINLESS STEEL OR CORROSION RESISTANT COATED SAE GR. 5 CARBON STEEL. MAXIMUM PANEL SPAN: 18'-2"
14. MAXIMUM ALLOWABLE DESIGN PRESSURE: ±60 PSF. PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.
15. PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL CONTAINING THE FOLLOWING:  
HURRICANE FABRIC.COM LLC  
PO BOX 50153  
CLAYTON, MD 63105  
TAS 201, 202, 203  
MIAMI-DADE NOA NUMBER
16. HURRICANE FABRIC PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY AS APPLICABLE.
17. ROLL-UP AND HOOD MECHANISM ARE NOT PART OF THIS APPROVAL AND ARE OUTSIDE THE BOUNDS OF THIS CERTIFICATION.
18. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
19. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
20. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

**SEE LAST SHEET FOR TERMINOLOGY & PAGE INDEX**

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. **24-0401.02**  
Expiration Date **10/20/2025**  
By *H. G. A. Miller*  
Miami Dade Product Control

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

ASTRO GUARD  
WIND ABATEMENT SYSTEM  
FBC 8TH ED. (2023) | MIAMI DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-28194)	CCB	RWN	10/19/20
NOA REV. APP	MRT	ER/RN	03/04/24

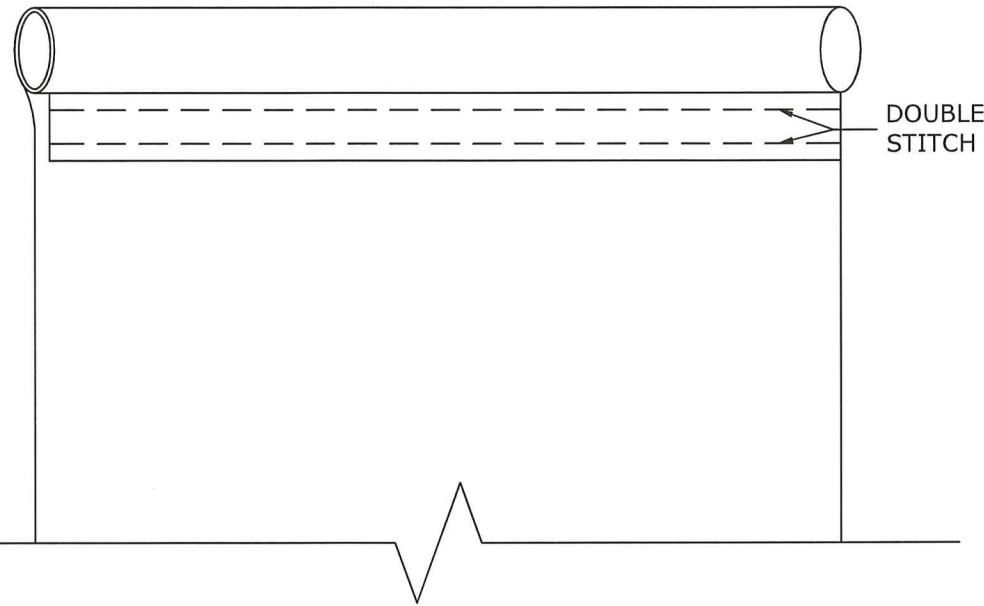
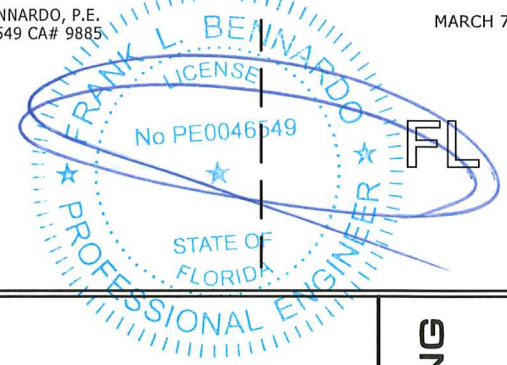
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**23-59904**  
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**01** OF **18**

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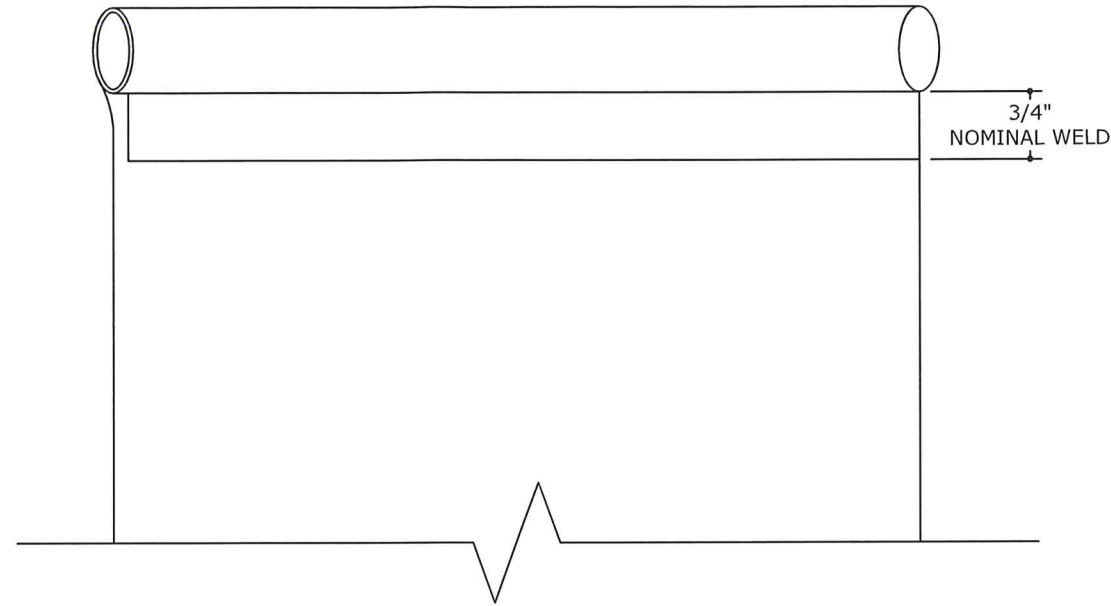
FRANK BENNARDO, P.E.  
PE# 0046549 CA# 9885

MARCH 7, 2024



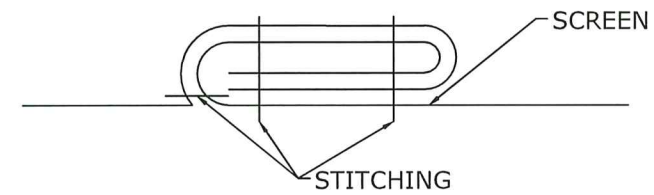
DOUBLE STITCH

1 SEWN ON SINGLE FLAP  
02 WELT TRACK INSERT  
NOT TO SCALE

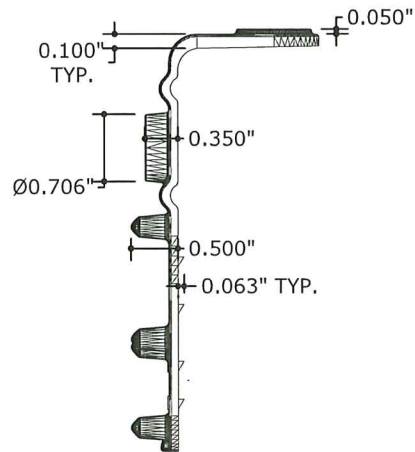
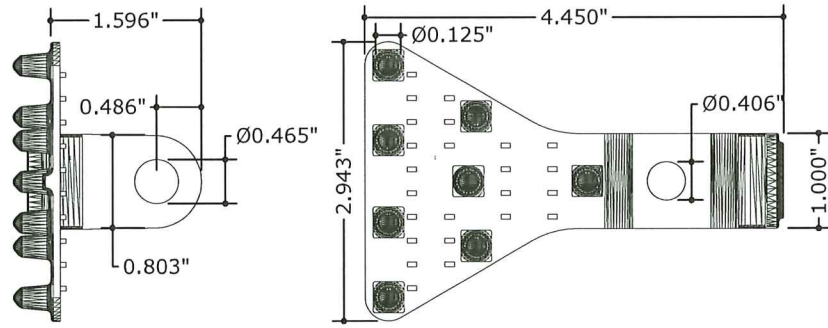


3/4"  
NOMINAL WELD

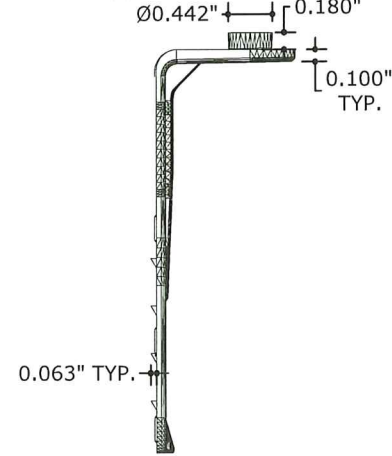
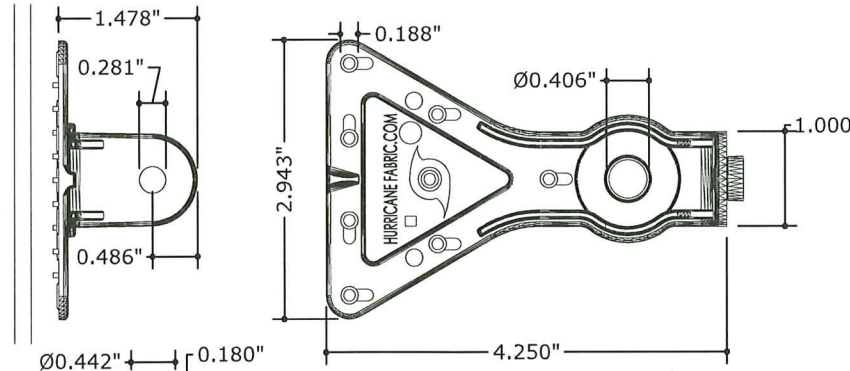
2 WELDED  
02 WELT TRACK INSERT  
NOT TO SCALE



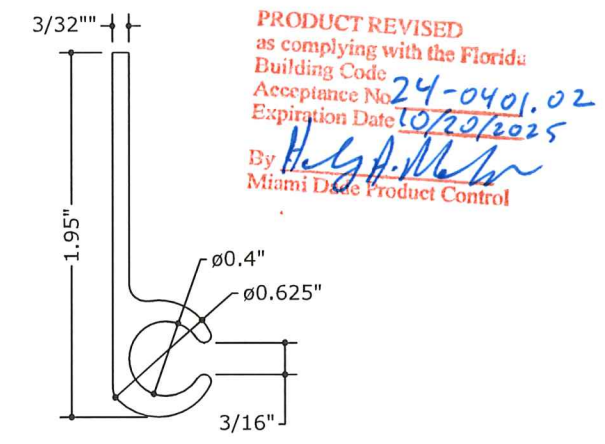
3 SPLICE DETAIL  
02 NOT TO SCALE



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



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



3 TRACK - SECTION VIEW  
N.T.S. 85-SKR-90 | ALUM 6063 T-8

NOTE: TRACK IS CONTINUOUS AND SHALL BE USED FOR THE SEWN WELT TRACK AND THE WELDED WELT TRACK.

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ASTRO GUARD  
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REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-29194)	CCB	R/WN	10/19/20
NOA REV. APP	MRT	ER/RN	03/04/24

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02 OF 18

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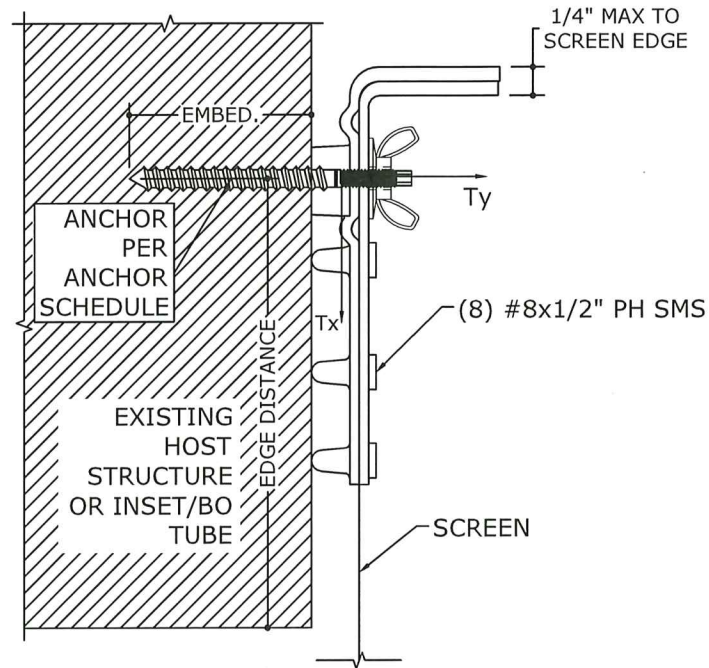
MINIMUM GLAZING SEPARATION FROM GLASS INCLUDING INSTALLATION SLACK				
SPAN	POSITIVE ASD DESIGN LOAD (PSF)			
	+60 PSF	+50 PSF	+40 PSF	+30 PSF
4'-0"	6.88"	6.63"	6.13"	5.75"
6'-0"	11.13"	10.50"	9.88"	9.00"
8'-0"	15.75"	14.88"	14.00"	12.75"
10'-0"	20.88"	19.75"	18.38"	16.88"
12'-0"	26.38"	24.88"	23.13"	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"

**SEPARATION FROM GLASS/GLAZING NOTES:**

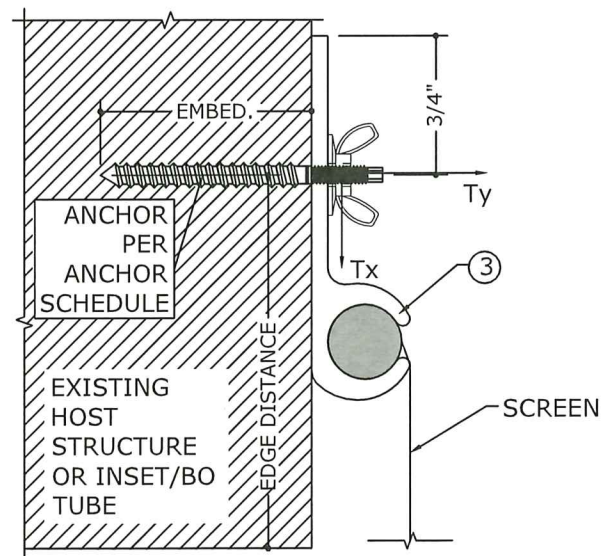
- SEPARATION FROM GLAZING IS REQUIRED IF THE INSTALLATION MEETS ANY OF THE FOLLOWING CRITERIA:
  - THE INSTALLATION IS LOCATED WITHIN THE HIGH-VELOCITY HURRICANE ZONE.
  - THE INSTALLATION IS LOCATED WITHIN WIND ZONE 4.
  - THE INSTALLATION IS FOR A RISK CATEGORY IV BUILDING OR STRUCTURE AS DEFINED BY FBC TABLE 1604.5 (ESSENTIAL FACILITIES)".
- SEPARATION IS NOT REQUIRED FROM ANY FENESTRATION PRODUCT THAT DOES NOT CONTAIN GLAZING.
- SEPARATION FROM GLAZING IS NOT REQUIRED FOR INSTALLATIONS ON RISK CATEGORY I-III BUILDINGS OR STRUCTURES AS DEFINED BY FBC TABLE 1604.5 (NON-ESSENTIAL FACILITIES) LOCATED OUTSIDE OF WIND ZONE 4.
- INTERPOLATION OF THIS TABLE IS NOT PERMITTED. UTILIZE NEXT HIGHEST SEPARATION FROM GLAZING VALUE IF NEEDED.

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

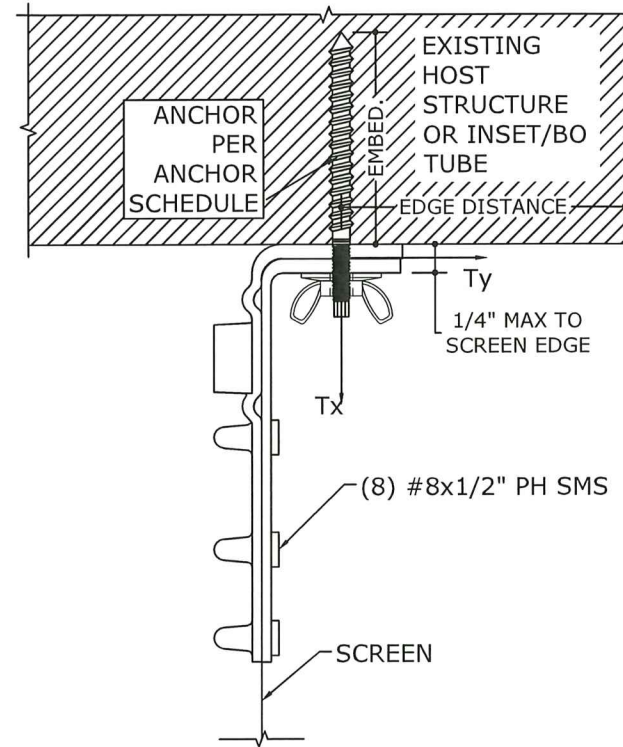
LOAD ON EXISTING STRUCTURE FROM SCREEN SYSTEM Ty = PERPENDICULAR LOADS (PLF)				
SPAN	ASD DESIGN PRESSURE (+/- PSF)			
	60	50	40	30
4'-0"	120.0	100.0	80.0	60.0
6'-0"	180.0	150.0	120.0	90.0
8'-0"	240.0	200.0	160.0	120.0
10'-0"	300.0	250.0	200.0	150.0
12'-0"	360.0	300.0	240.0	180.0
14'-0"	420.0	350.0	280.0	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



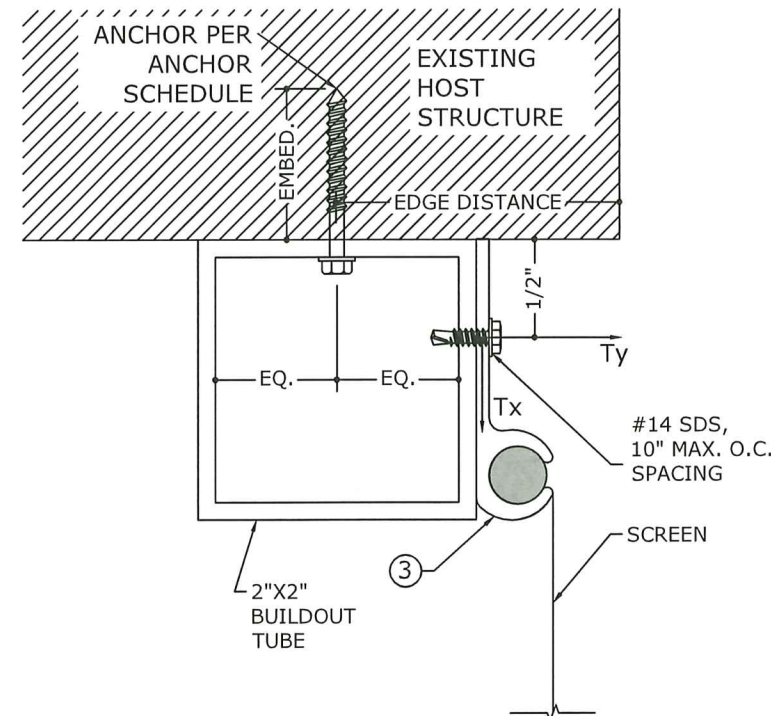
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03 WALL MOUNT - CLIP CONDITION  
NOT TO SCALE SECTION VIEW



3  
03 WALL MOUNT - TRACK CONDITION  
NOT TO SCALE SECTION VIEW



2  
03 INTERIOR MOUNT - CLIP CONDITION  
NOT TO SCALE SECTION VIEW



4  
03 INTERIOR MOUNT - TRACK CONDITION  
NOT TO SCALE SECTION VIEW

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

MARCH 7, 2024

FRANK L. BENNARDO  
LICENSE  
No. PE0046549  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

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FBC 8TH ED. (2023) | MIAMI DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-29194)	CCB	RWN	10/19/20
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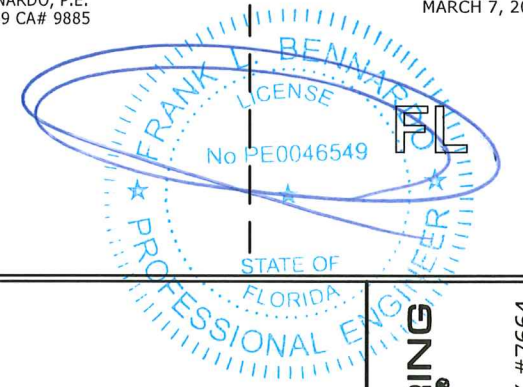
PRODUCT REVISED  
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Expiration Date 10/20/2025  
By *Heidi A. Miller*  
Miami Dade Product Control

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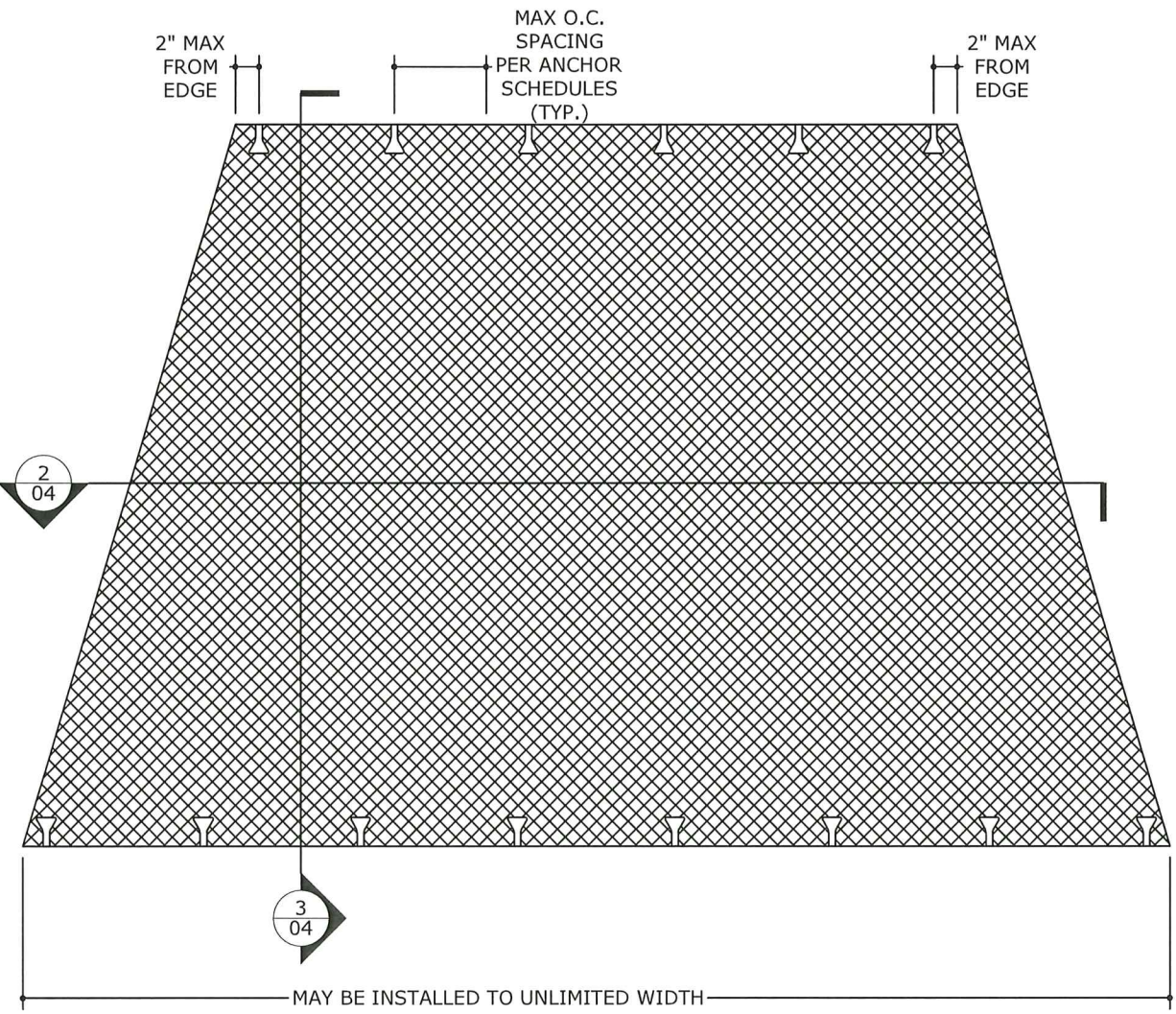
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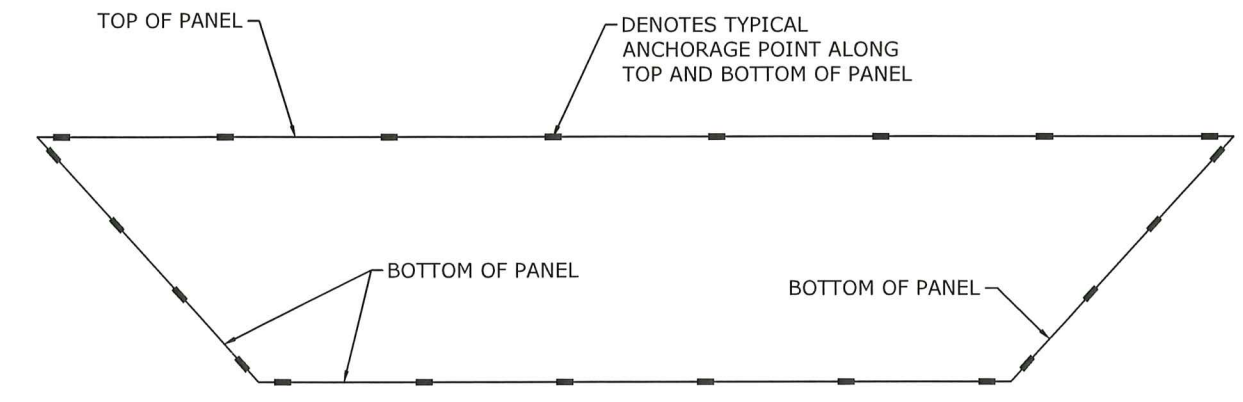
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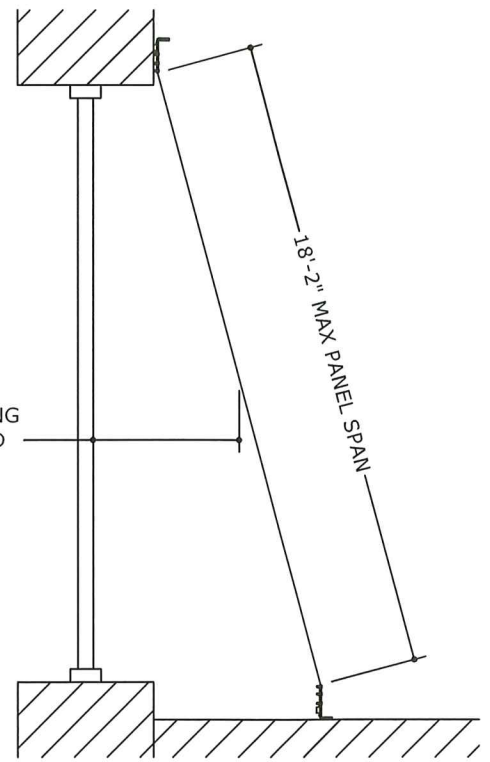


**1 ANGLLED PANEL INSTALLATION**  
04 N.T.S. EXTERIOR ELEV

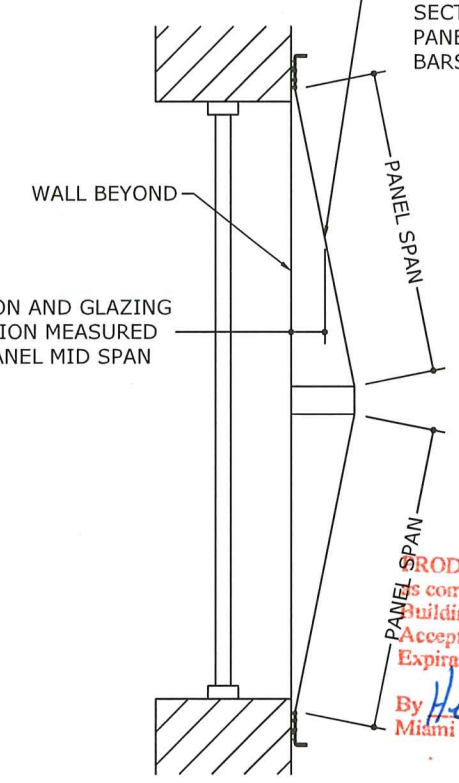
NOTE: NON-SPAN OVERLAP SHALL BE A MINIMUM OF 1.5 X THE PANEL PROJECTION FROM OPENING



**2 ANGLLED PANEL INSTALLATION**  
04 N.T.S. PLAN VIEW



**3 ANGLLED PANEL INSTALLATION**  
04 N.T.S. VERTICAL SECTION



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

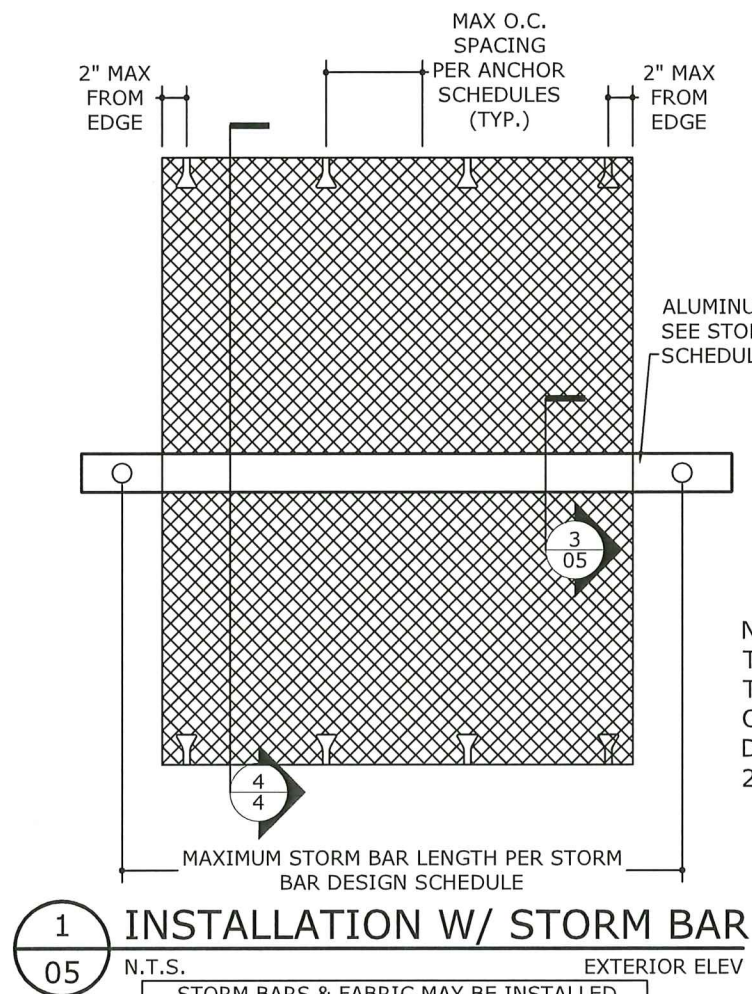
NOTE: THE DETAILS ON THIS PAGE APPLY TO BOTH CLIP AND TRACK OPTIONS. CLIP OPTION (TOP AND BOTTOM) IS DEPICTED IN THE DETAILS ON THIS PAGE.



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PE# 0046549 CA# 9885

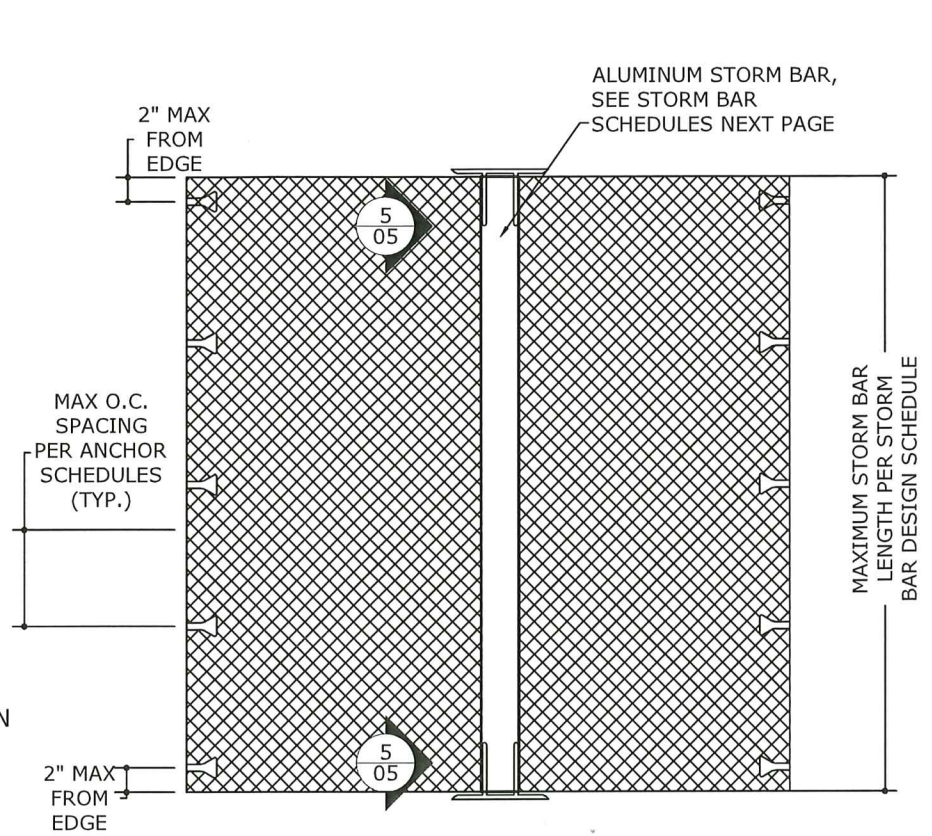
MARCH 7, 2024



**1**  
**05** N.T.S. EXTERIOR ELEV

**INSTALLATION W/ STORM BAR**

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

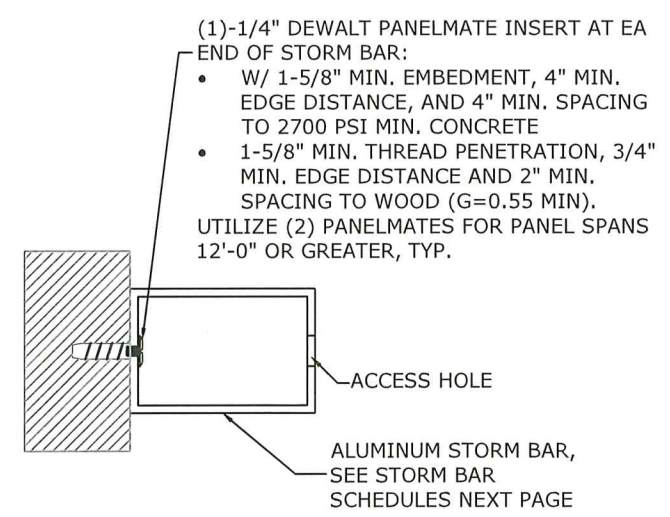


**2**  
**05** N.T.S. EXTERIOR ELEV

**INSTALLATION W/ STORM BAR**

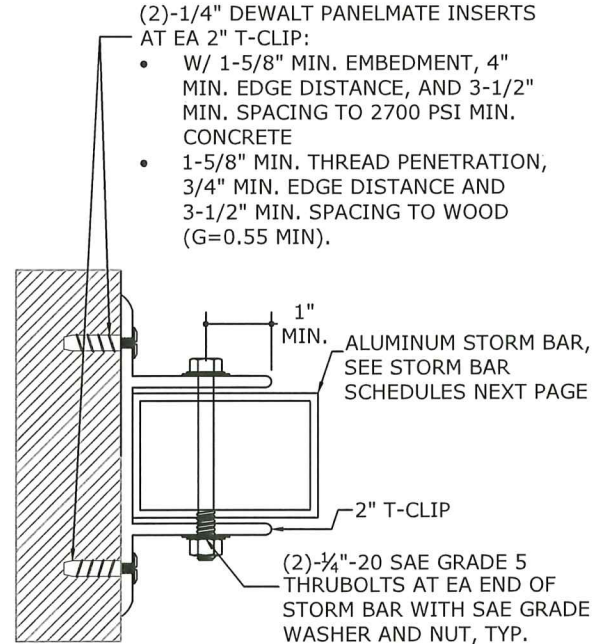
STORM BARS & FABRIC MAY BE INSTALLED HORIZONTALLY OR VERTICALLY AS APPLICABLE (VERTICAL STORM BAR INSTALLATION WITH HORIZONTAL PANEL SPAN SHOWN HEREIN)

- STORM BAR NOTES:**
1. THE STORM BAR SCHEDULES NEXT PAGE ARE GOVERNED BY POSITIVE WIND LOAD DIRECTIONS ONLY. NEGATIVE WIND LOAD DIRECTIONS DO NOT SUBJECT THE STORM BARS TO ANY EXTERIOR LOADING.
  2. DIRECT MOUNTS AND 2" T-CLIP MOUNTS SHALL BE ATTACHED TO THE HOST STRUCTURE PER DETAILS 3/05 AND 4/05, RESPECTIVELY.
  3. 1" T-CLIP MOUNTS (DETAIL 5/05) SHALL BE ATTACHED PER THE ANCHOR SCHEDULE NEXT PAGE.
  4. STORM BAR LENGTHS, SHAPES OR ATTACHMENT METHODS THAT ARE NOT DETAILED IN THIS DRAWING SHALL BE DESIGNED ON A SITE SPECIFIC BASIS.
  5. BOTH CLIP AND TRACK OPTIONS DESCRIBED HEREIN ARE VALID FOR INSTALLATION WITH STORM BAR.



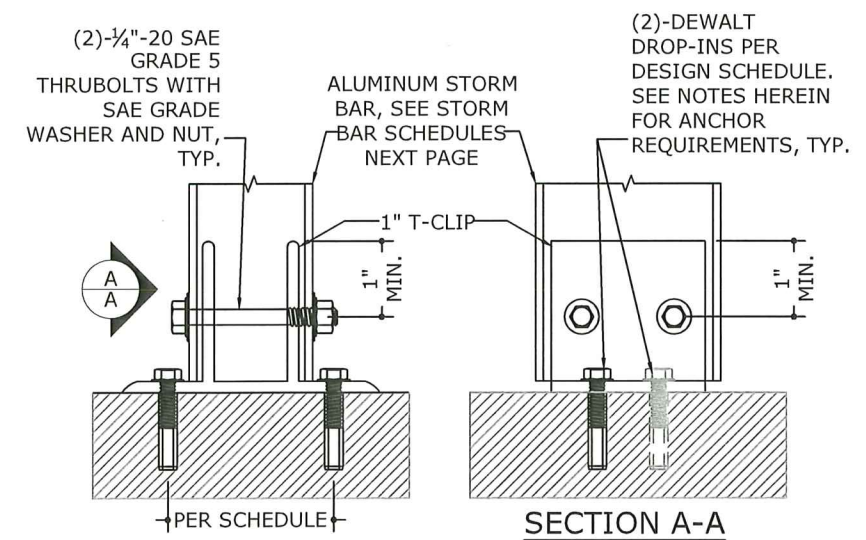
**3**  
**05** N.T.S. SECTION

**STORM BAR DIRECT MOUNT**



**4**  
**05** N.T.S. SECTION

**STORM BAR 2\"/>**



**5**  
**05** N.T.S. SECTION

**STORM BAR 1\"/>**

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 27-0901-02  
Expiration Date 10/20/2025  
By Hesha A. Miller  
Miami Dade Product Control

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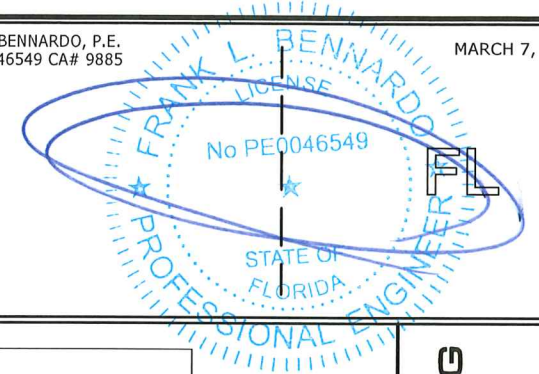
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# STORM BAR ALLOWABLE SPAN SCHEDULES

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

MARCH 7, 2024



NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

2"x3"x1/8" STORM BAR								
MAX PANEL SPAN	60 PSF		50 PSF		40 PSF		30 PSF	
	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION
3 FT	75"	281.2 lb	80"	249.0 lb	86"	214.6 lb	94"	177.1 lb
4 FT	68"	340.6 lb	72"	301.6 lb	78"	259.9 lb	86"	214.6 lb
5 FT	63"	395.2 lb	67"	350.0 lb	72"	301.6 lb	80"	249.0 lb
6 FT	60"	446.3 lb	63"	395.2 lb	68"	340.6 lb	75"	281.2 lb
7 FT	57"	494.6 lb	60"	438.0 lb	65"	377.5 lb	71"	311.6 lb
8 FT	54"	540.7 lb	57"	478.8 lb	62"	412.6 lb	68"	340.6 lb
9 FT	52"	584.8 lb	55"	517.9 lb	60"	446.3 lb	65"	368.4 lb
10 FT	50"	624.7 lb	53"	555.6 lb	57"	478.8 lb	63"	395.2 lb
11 FT	48"	655.2 lb	52"	592.0 lb	56"	510.2 lb	61"	421.2 lb
12 FT	46"	684.4 lb	50"	624.7 lb	54"	540.7 lb	60"	446.3 lb
13 FT	44"	712.3 lb	48"	650.2 lb	53"	570.3 lb	58"	470.8 lb
14 FT	42"	739.2 lb	46"	674.8 lb	51"	599.2 lb	57"	494.6 lb
15 FT	41"	765.1 lb	45"	698.5 lb	50"	624.7 lb	55"	517.9 lb
16 FT	40"	790.2 lb	43"	721.4 lb	48"	645.2 lb	54"	540.7 lb
17 FT	38"	814.5 lb	42"	743.6 lb	47"	665.1 lb	53"	563.0 lb
18.17 FT	37"	842.1 lb	41"	768.7 lb	45"	687.6 lb	52"	588.5 lb

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

2"x5"x1/8" STORM BAR								
MAX PANEL SPAN	60 PSF		50 PSF		40 PSF		30 PSF	
	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION
3 FT	114"	428.8 lb	120"	375.0 lb	120"	300.0 lb	120"	225.0 lb
4 FT	104"	519.5 lb	110"	460.0 lb	119"	396.4 lb	120"	300.0 lb
5 FT	96"	602.8 lb	102"	533.8 lb	110"	460.0 lb	120"	375.0 lb
6 FT	91"	680.7 lb	96"	602.8 lb	104"	519.5 lb	114"	428.8 lb
7 FT	86"	754.3 lb	92"	668.0 lb	99"	575.7 lb	109"	475.2 lb
8 FT	82"	821.0 lb	88"	730.2 lb	94"	629.3 lb	104"	519.5 lb
9 FT	77"	870.8 lb	84"	789.9 lb	91"	680.7 lb	100"	561.9 lb
10 FT	73"	917.9 lb	80"	837.9 lb	88"	730.2 lb	96"	602.8 lb
11 FT	70"	962.7 lb	77"	878.8 lb	85"	778.1 lb	93"	642.3 lb
12 FT	67"	1005.5 lb	73"	917.9 lb	82"	821.0 lb	91"	680.7 lb
13 FT	64"	1046.5 lb	71"	955.3 lb	79"	854.5 lb	88"	718.0 lb
14 FT	62"	1086.0 lb	68"	991.4 lb	76"	886.7 lb	86"	754.3 lb
15 FT	60"	1124.2 lb	66"	1026.2 lb	73"	917.9 lb	84"	789.9 lb
16 FT	58"	1161.0 lb	64"	1059.9 lb	71"	948.0 lb	82"	821.0 lb
17 FT	56"	1196.8 lb	62"	1092.5 lb	69"	977.1 lb	80"	846.2 lb
18.17 FT	54"	1237.3 lb	60"	1129.5 lb	67"	1010.2 lb	77"	874.9 lb

## 1" T-CLIP ANCHOR SCHEDULE

SUBSTRATE	ANCHOR TYPE	EMBEDMENT	MINIMUM SPACING	MINIMUM EDGE DISTANCE	MAXIMUM END CAPACITY
CONCRETE (f'c=3000 psi MIN.)	(2) - 1/4" DIAMETER DEWALT STEEL DROP-IN	1"	3"	3 1/2"	1060 lb
	(2) - 3/8" DIAMETER DEWALT STEEL DROP-IN	1 9/16"	3"	5 1/4"	1534 lb

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

2"x4"x1/8" STORM BAR								
MAX PANEL SPAN	60 PSF		50 PSF		40 PSF		30 PSF	
	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION
3 FT	95"	355.9 lb	101"	315.2 lb	109"	271.6 lb	120"	224.2 lb
4 FT	86"	431.2 lb	92"	381.8 lb	99"	329.0 lb	109"	271.6 lb
5 FT	80"	500.3 lb	85"	443.1 lb	92"	381.8 lb	101"	315.2 lb
6 FT	75"	565.0 lb	80"	500.3 lb	86"	431.2 lb	95"	355.9 lb
7 FT	72"	626.1 lb	76"	554.5 lb	82"	477.8 lb	90"	394.4 lb
8 FT	68"	684.4 lb	73"	606.1 lb	78"	522.3 lb	86"	431.2 lb
9 FT	65"	730.7 lb	70"	655.6 lb	75"	565.0 lb	83"	466.4 lb
10 FT	62"	770.2 lb	67"	703.1 lb	73"	606.1 lb	80"	500.3 lb
11 FT	59"	807.8 lb	64"	737.4 lb	70"	645.9 lb	78"	532.2 lb
12 FT	56"	843.7 lb	62"	770.2 lb	68"	684.4 lb	75"	565.0 lb
13 FT	54"	878.2 lb	59"	801.7 lb	66"	717.0 lb	73"	596.0 lb
14 FT	52"	911.3 lb	57"	831.9 lb	64"	744.1 lb	72"	626.1 lb
15 FT	50"	943.3 lb	55"	861.1 lb	62"	770.2 lb	70"	655.6 lb
16 FT	49"	974.3 lb	53"	889.4 lb	60"	795.5 lb	68"	684.4 lb
17 FT	47"	1004.2 lb	52"	916.7 lb	58"	820.0 lb	67"	710.1 lb
18.17 FT	46"	1038.2 lb	50"	947.8 lb	56"	847.7 lb	65"	734.1 lb

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

2"x6"x1/8" STORM BAR								
MAX PANEL SPAN	60 PSF		50 PSF		40 PSF		30 PSF	
	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN	END REACTION
3 FT	120"	450.0 lb	120"	375.0 lb	120"	300.0 lb	120"	225.0 lb
4 FT	120"	600.0 lb	120"	500.0 lb	120"	400.0 lb	120"	300.0 lb
5 FT	113"	703.6 lb	120"	623.0 lb	120"	500.0 lb	120"	375.0 lb
6 FT	106"	794.5 lb	113"	703.6 lb	120"	600.0 lb	120"	450.0 lb
7 FT	101"	880.5 lb	107"	779.7 lb	115"	671.9 lb	120"	525.0 lb
8 FT	95"	946.8 lb	102"	852.3 lb	110"	734.5 lb	120"	600.0 lb
9 FT	89"	1004.3 lb	98"	916.8 lb	106"	794.5 lb	117"	655.8 lb
10 FT	85"	1058.6 lb	93"	966.3 lb	102"	852.3 lb	113"	703.6 lb
11 FT	81"	1110.3 lb	88"	1013.5 lb	99"	906.5 lb	109"	749.7 lb
12 FT	77"	1159.6 lb	85"	1058.6 lb	95"	946.8 lb	106"	794.5 lb
13 FT	74"	1207.0 lb	81"	1101.8 lb	91"	985.5 lb	103"	838.0 lb
14 FT	72"	1252.5 lb	78"	1143.4 lb	88"	1022.7 lb	101"	880.5 lb
15 FT	69"	1296.5 lb	76"	1183.5 lb	85"	1058.6 lb	98"	916.8 lb
16 FT	67"	1339.0 lb	73"	1222.3 lb	82"	1093.3 lb	95"	946.8 lb
17 FT	65"	1380.2 lb	71"	1260.0 lb	80"	1126.9 lb	92"	976.0 lb
18.17 FT	63"	1426.9 lb	69"	1302.6 lb	77"	1165.1 lb	89"	1009.0 lb

### ANCHOR SCHEDULE NOTES:

- THE "END REACTION" LISTED IN THE STORM BAR SCHEDULES ABOVE SHALL BE LESS THAN OR EQUAL TO THE "MAXIMUM END CAPACITY" LISTED IN THIS ANCHOR SCHEDULE.
- THIS ANCHOR SCHEDULE APPLIES ONLY TO 1" T-CLIP MOUNTS, DIRECT MOUNT AND 2" T-CLIP MOUNTS SHALL BE INSTALLED PER THE DETAILS ON THE PREVIOUS PAGE.
- ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

PRODUCT REVISED

as complying with the Florida  
Building Code  
Acceptance No 24-0401.02  
Expiration Date 10/20/2025

By *Hedy A. Melor*  
Miami Date Product Control

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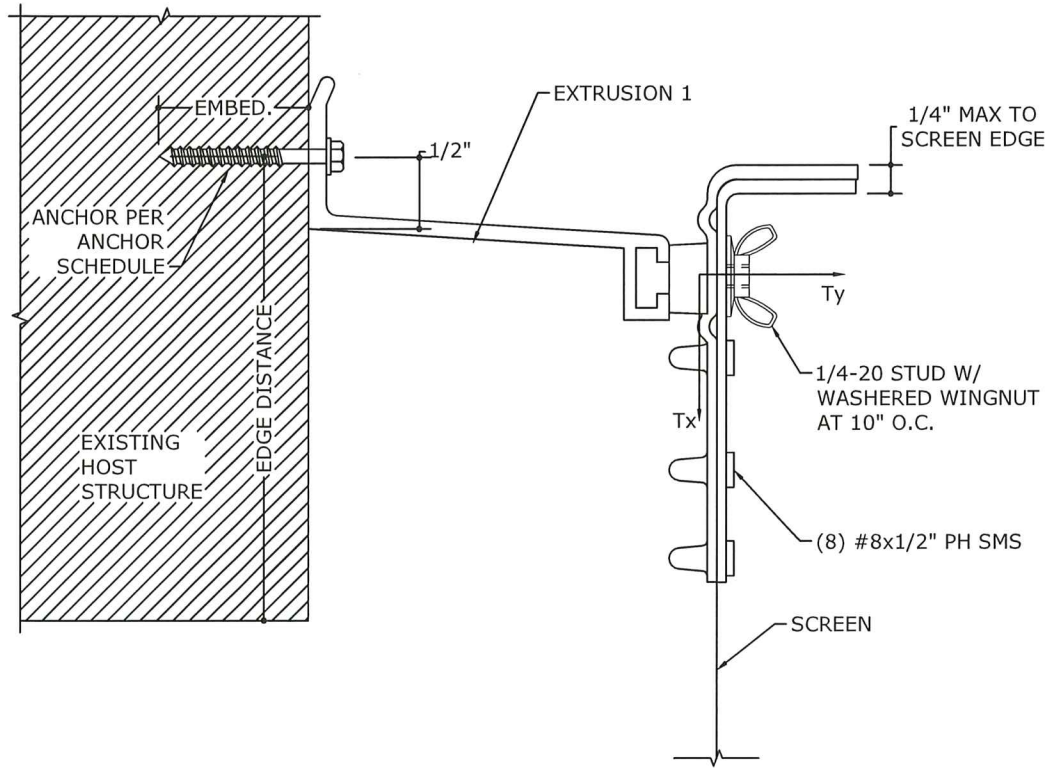
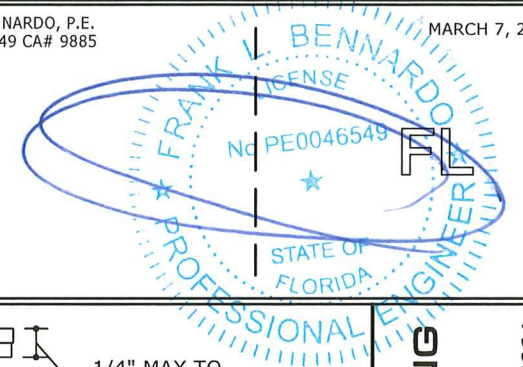
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OF 18

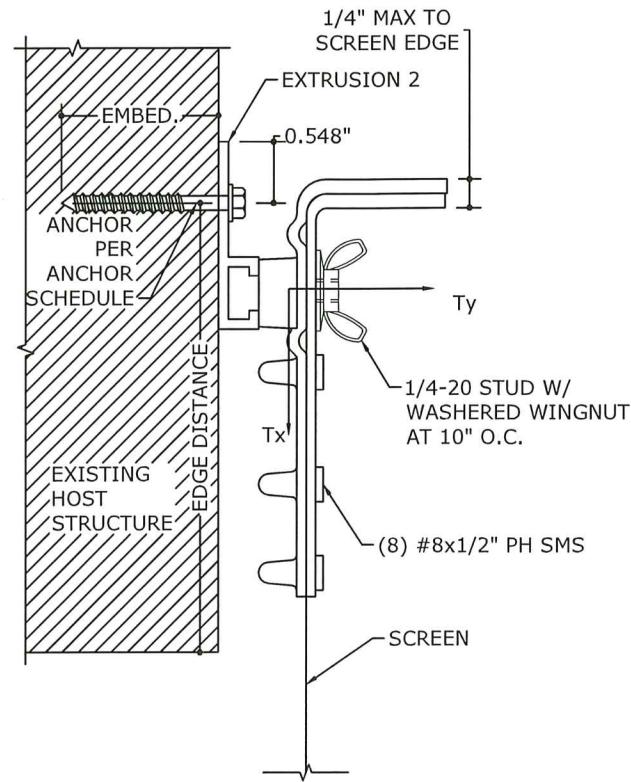
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PE# 0046549 CA# 9885

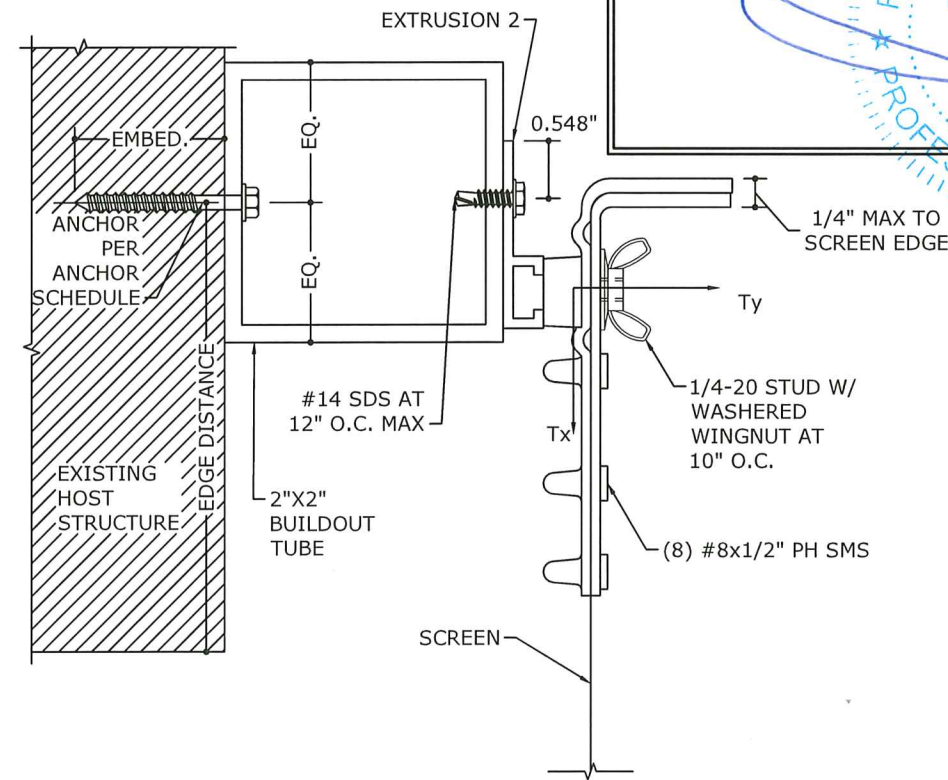
MARCH 7, 2024



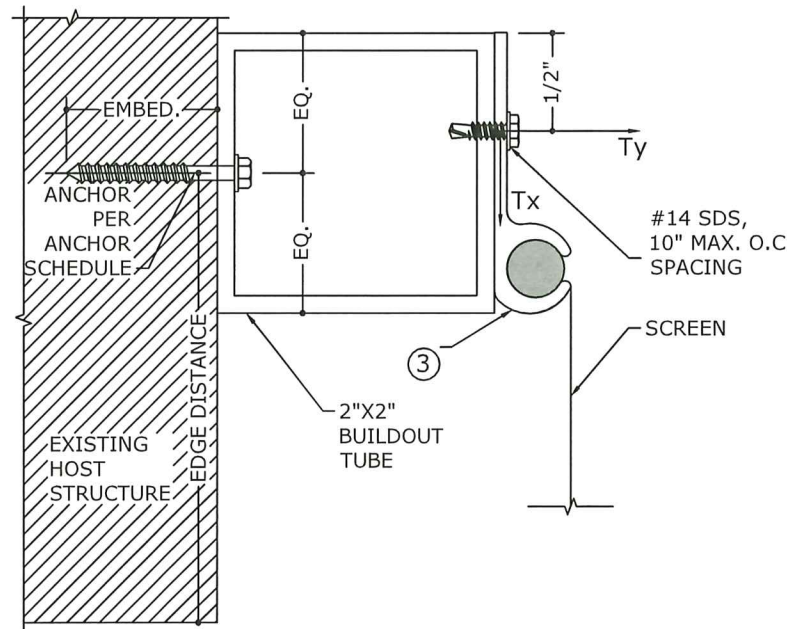
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07 ALTERNATE ATTACHMENT #1:  
EXTRUSION 1 MOUNT SECTION VIEW  
N.T.S.



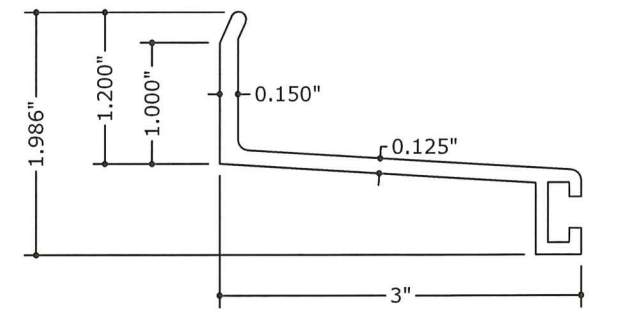
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07 ALTERNATE ATTACHMENT #2:  
EXTRUSION 2 MOUNT SECTION VIEW  
N.T.S.



3  
07 ALTERNATE ATTACHMENT #3:  
BUILD OUT TUBE MOUNT (CLIP) SECTION VIEW  
N.T.S.

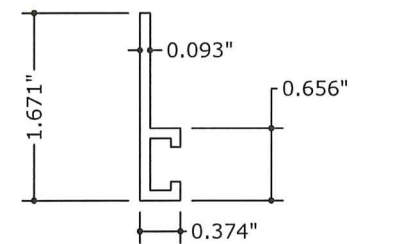


4  
07 ALTERNATE ATTACHMENT #4:  
BUILD OUT TUBE MOUNT SECTION VIEW  
N.T.S.

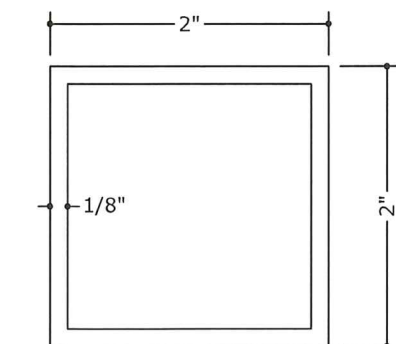


4  
N.T.S. EXTRUSION 1:  
BUILD OUT F TRACK 6063-T6 ALUM

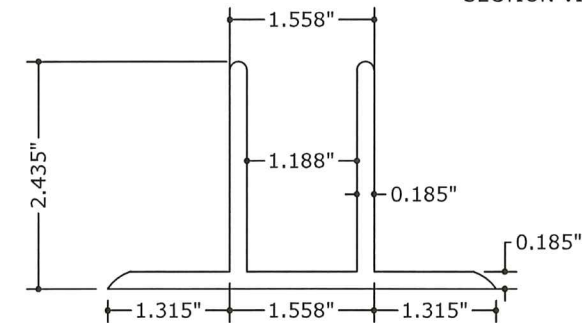
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Acceptance No 24-0401-02  
Expiration Date 10/20/2025  
By *Hedy A. M...*  
Miami Date Product Control



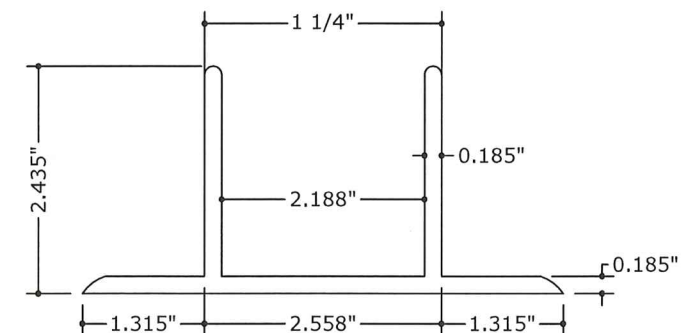
5  
N.T.S. EXTRUSION 2:  
F TRACK 6063-T6 ALUM



6  
N.T.S. 2"X2" BUILDOUT TUBE 6063-T6 ALUM



7  
N.T.S. 1" T-CLIP 6063-T6 ALUM



8  
N.T.S. 2" T-CLIP 6063-T6 ALUM

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ASTRO GUARD  
WIND ABATEMENT SYSTEM  
FBC 8TH ED. (2023) | MIAMI DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-29194)	IRVN	IRVN	10/19/20
NOA REV. APP	MRT	ER/RI	03/04/24

23-59904

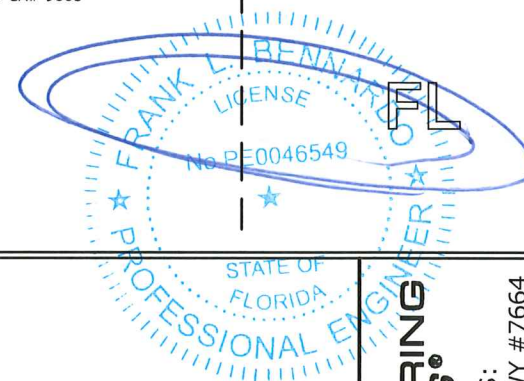
SCALE: NTS UNLESS NOTED

07  
OF  
18

# ANCHOR NOTES

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

MARCH 7, 2024



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 ANCHORS 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

**12.11. 3/8" DEWALT SCREW-BOLT+ OR EQUIVALENT**

- 12.11.1. 2-1/2" EMBEDMENT AND 3-1/2" MIN. EDGE DISTANCE TO CONCRETE
- 12.11.2. 3-1/4" EMBEDMENT AND 3-1/2" MIN. EDGE DISTANCE TO GROUT-FILLED CONCRETE BLOCK

13. ALTERNATE ANCHORS MAY BE USED IN PLACE OF THE LISTED ANCHORS HEREIN SO LONG AS THE BELOW CONDITIONS ARE SATISFIED AND SUBJECT TO THE APPROVAL OF THE AUTHORITY HAVING JURISDICTION:

I. THE ALTERNATE ANCHOR IS DEMONSTRATED TO HAVE ALLOWABLE (ASD) TENSION AND SHEAR CAPACITIES EQUAL TO OR GREATER THAN THE LISTED ANCHOR'S ALLOWABLE TENSION AND SHEAR CAPACITIES AS VERIFIED BY A DESIGN PROFESSIONAL;

II. ALL NECESSARY REDUCTIONS IN CAPACITY FOR EDGE DISTANCE, SPACING, AND OTHER REQUIREMENTS AS NOTED BY THE ANCHOR MANUFACTURER ARE CONSIDERED IN DETERMINING THE ALTERNATE ANCHOR'S TENSION AND SHEAR CAPACITIES; AND

III. THE ALTERNATE ANCHOR IS OF EQUAL OR GREATER DIAMETER THAN THE LISTED ANCHOR AND IS PROVIDED WITH THE SAME MINIMUM EDGE DISTANCE, SPACING, AND ANY OTHER SPECIFICATIONS AS ARE REQUIRED FOR THE LISTED ANCHOR.

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REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-29194)	CCB	RWN	10/19/20
NOA REV. APP	MRT	ER/RN	03/04/24

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 24-0401-02  
Expiration Date 10/20/2025  
By *Heidi A. Miller*  
Miami Dade Product Control

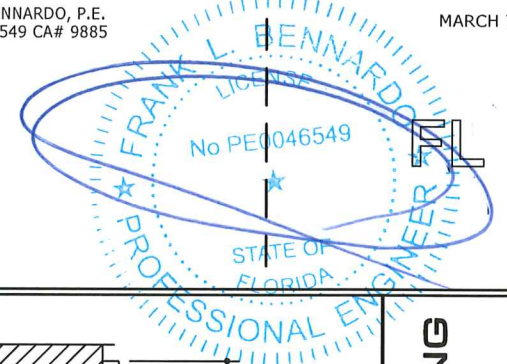
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**08** OF **18**

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# ANCHOR SPACING SCHEDULES: WALL MOUNT (PAGE 1 OF 2)

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

MARCH 7, 2024



NOTE: SEE ANCHOR NOTES ON PAGE 8. ANCHOR SCHEDULES MAY BE USED FOR BOTH CLIP AND TRACK OPTIONS.

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) 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	7.2	4.6	5.2	6.1	7.4
14'-8"	8.7	10.0	10.0	10.0	4.2	5.0	6.2	7.2	4.4	5.0	5.9	7.2
16'-0"	8.2	9.4	10.0	10.0	4.7	5.8	7.2	8.2	4.1	4.7	5.5	6.8
17'-0"	7.8	9.0	10.0	10.0	4.5	5.6	6.8	8.2	4.5	5.3	6.5	7.8
18'-2"	7.4	8.5	10.0	10.0	4.3	5.3	6.5	7.5	4.3	5.1	6.2	7.4

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

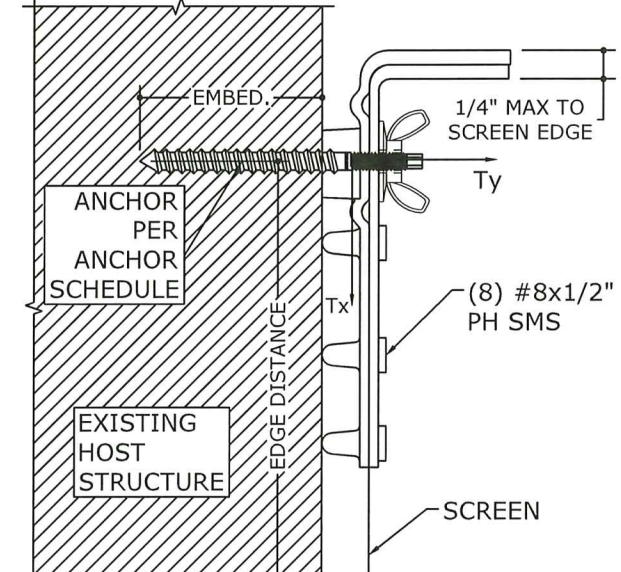
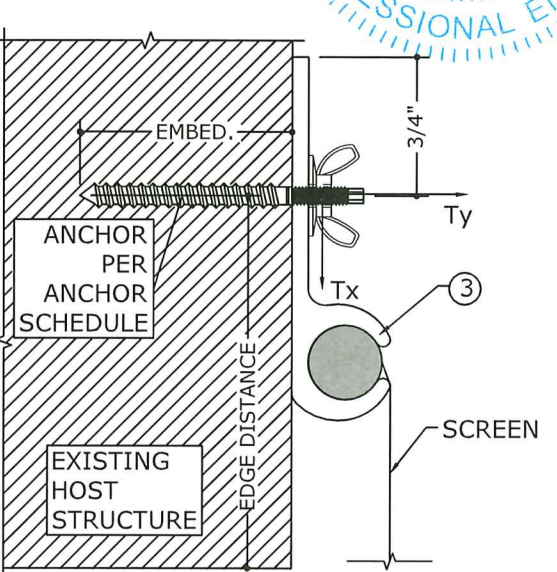
1/4" DEWALT PANELMATE (MALE OR FEMALE) ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.)												
SPAN	3323 PSI MIN CONCRETE				HOLLOW AND GROUT-FILLED CONCRETE BLOCK				G=0.55 MIN. WOOD			
	DESIGN PRESSURE				DESIGN PRESSURE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	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	7.3	5.3	6.1	7.2	8.9
14'-0"	7.3	8.3	9.9	10.0	4.6	5.7	6.8	8.2	4.8	5.5	6.4	8.0
14'-8"	7.0	8.1	9.5	10.0	4.4	5.5	6.6	8.0	4.6	5.3	6.2	7.7
16'-0"	6.6	7.5	8.9	10.0	4.1	5.1	6.2	7.5	4.3	4.9	5.8	7.2
17'-0"	6.3	7.2	8.5	10.0	4.9	5.9	7.1	8.4	4.1	4.7	5.6	6.9
18'-2"	6.0	6.8	8.1	10.0	4.7	5.7	6.9	8.2	4.5	5.3	6.2	7.5

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - WALL MOUNT CONDITION (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"	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	9.2	10.0	10.0	10.0	9.3	10.0	10.0	10.0
8'-0"	8.3	9.4	10.0	10.0	7.4	8.5	10.0	10.0	7.5	8.6	10.0	10.0
10'-0"	7.1	8.1	9.4	10.0	6.2	7.2	8.5	10.0	6.3	7.2	8.6	10.0
12'-0"	6.2	7.1	8.3	10.0	5.4	6.2	7.4	9.2	5.5	6.3	7.5	9.3
14'-0"	5.6	6.3	7.4	9.1	4.8	5.5	6.6	8.2	4.9	5.6	6.6	8.3
14'-8"	5.4	6.1	7.2	8.8	4.6	5.3	6.3	7.9	4.7	5.4	6.4	8.0
16'-0"	5.1	5.8	6.8	8.3	4.3	5.0	5.9	7.4	4.4	5.1	6.0	7.5
17'-0"	4.8	5.5	6.5	7.9	4.1	4.8	5.7	7.1	4.2	4.8	5.7	7.1
18'-2"	4.6	5.3	6.2	7.6	4.5	5.4	6.7	7.8	4.6	5.4	6.8	8.2

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - WALL MOUNT CONDITION (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"	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	10.0	10.0	10.0	10.0				
8'-0"	10.0	10.0	10.0	10.0	8.1	9.3	10.0	10.0				
10'-0"	10.0	10.0	10.0	10.0	6.8	7.8	9.3	10.0				
12'-0"	10.0	10.0	10.0	10.0	5.9	6.8	8.1	10.0				
14'-0"	9.1	10.0	10.0	10.0	5.2	6.0	7.1	8.9				
14'-8"	8.8	10.0	10.0	10.0	5.0	5.8	6.9	8.6				
16'-0"	8.2	9.5	10.0	10.0	4.7	5.4	6.4	8.1				
17'-0"	7.8	9.0	10.0	10.0	4.4	5.1	6.1	7.7				
18'-2"	7.4	8.5	10.0	10.0	4.2	4.9	5.8	7.3				



WALL MOUNT - TRACK CONDITION  
N.T.S. SECTION VIEW

WALL MOUNT - CLIP CONDITION  
N.T.S. SECTION VIEW

PRODUCT REVISED  
as complying with the Florida:  
Building Code  
Acceptance No. 24-0401.02  
Expiration Date 10/20/2025  
By *Healy A. Miller*  
Miami Dade Product Control

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

1/4" DEWALT STEEL DROP-IN ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.)				
SPAN	4000 PSI MIN CONCRETE			
	DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	10.0	10.0	10.0	10.0
6'-0"	10.0	10.0	10.0	10.0
8'-0"	10.0	10.0	10.0	10.0
10'-0"	10.0	10.0	10.0	10.0
12'-0"	9.5	10.0	10.0	10.0
14'-0"	8.4	9.8	10.0	10.0
14'-8"	8.1	9.4	10.0	10.0
16'-0"	7.6	8.8	10.0	10.0
17'-0"	7.2	8.4	10.0	10.0
18'-2"	6.8	7.9	9.5	10.0

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REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-23/9A) CCB	RWN		10/19/20
NOA REV. APP	MRT		03/04/24

3/7/2024 4:54 PM MILTON c:\Users\milton\engineering\express\production - documents\projects\23-123-59904 - noa #20-1102.08 update to 2023 fbc\work\2023 fbc\02\drawings & cad\5 - 23-59904f noa dwg.dwg

# ANCHOR SPACING SCHEDULES: WALL MOUNT (PAGE 2 OF 2)

NOTE: SEE ANCHOR NOTES ON PAGE 8. ANCHOR SCHEDULES MAY BE USED FOR BOTH CLIP AND TRACK OPTIONS.

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) 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	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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) 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	4.8	5.5	6.4	8.0
14'-8"	9.2	10.0	10.0	10.0			4.3	5.2	4.6	5.3	6.2	7.7
16'-0"	8.6	9.9	10.0	10.0			4.0	4.8	4.3	4.9	5.8	7.2
17'-0"	8.2	9.5	10.0	10.0				4.6	4.1	4.7	5.6	6.9
18'-2"	7.8	9.0	10.0	10.0				4.4	5.5		4.5	6.6

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) 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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

1/4" DEWALT HOLLOW-SET DROPIN ANCHOR SCHEDULE - WALL MOUNT CONDITION (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"	10.0	10.0	10.0	10.0	8.3	9.7	10.0	10.0
6'-0"	10.0	10.0	10.0	10.0	5.7	6.8	8.3	10.0
8'-0"	8.4	9.7	10.0	10.0	4.4	5.2	6.4	8.3
10'-0"	7.0	8.1	9.7	10.0		4.3	5.2	6.8
12'-0"	6.0	7.0	8.4	10.0			4.4	5.7
14'-0"	5.3	6.2	7.4	9.3				5.0
14'-8"	5.1	5.9	7.1	9.0				4.8
16'-0"	4.8	5.5	6.6	8.4				4.4
17'-0"	4.5	5.3	6.3	8.0				4.2
18'-2"	4.3	5.0	6.0	7.6				

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

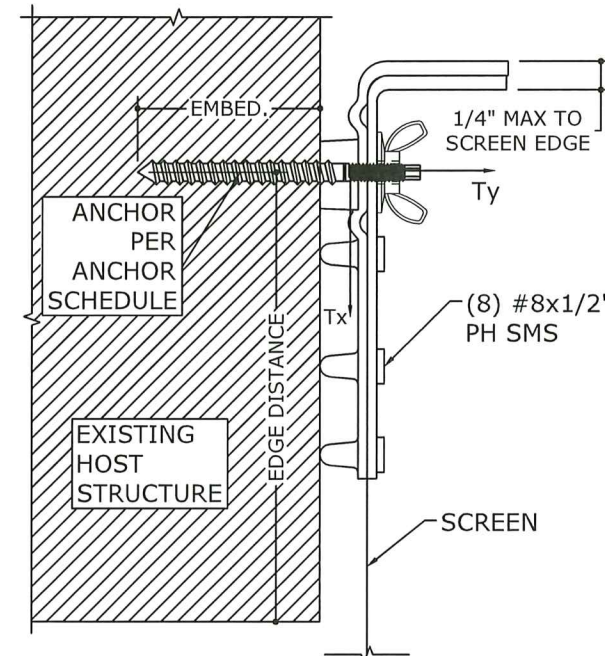
3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.)

SPAN	4000 PSI MIN CONCRETE			
	DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	10.0	10.0	10.0	10.0
6'-0"	10.0	10.0	10.0	10.0
8'-0"	10.0	10.0	10.0	10.0
10'-0"	10.0	10.0	10.0	10.0
12'-0"	10.0	10.0	10.0	10.0
14'-0"	10.0	10.0	10.0	10.0
14'-8"	10.0	10.0	10.0	10.0
16'-0"	10.0	10.0	10.0	10.0
17'-0"	10.0	10.0	10.0	10.0
18'-2"	10.0	10.0	10.0	10.0

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

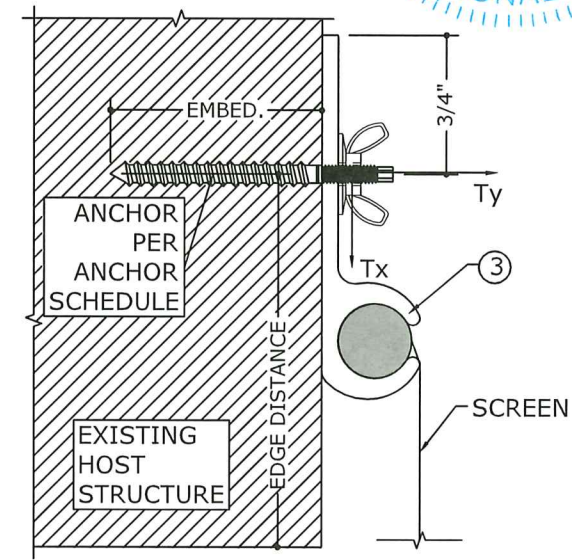
3/8" DEWALT SCREW-BOLT+ OR EQUIVALENT ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.)

SPAN	3000 PSI MIN CONCRETE OR GFB			
	DESIGN PRESSURE (ASD)			
	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	10.0	10.0	10.0	10.0
6'-0"	10.0	10.0	10.0	10.0
8'-0"	10.0	10.0	10.0	10.0
10'-0"	10.0	10.0	10.0	10.0
12'-0"	10.0	10.0	10.0	10.0
14'-0"	10.0	10.0	10.0	10.0
14'-8"	10.0	10.0	10.0	10.0
16'-0"	9.6	10.0	10.0	10.0
17'-0"	9.2	10.0	10.0	10.0
18'-2"	8.7	10.0	10.0	10.0



WALL MOUNT - CLIP CONDITION

N.T.S. SECTION VIEW



WALL MOUNT - TRACK CONDITION

N.T.S. SECTION VIEW

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

MARCH 7, 2024

FRANK L. BENNARDO  
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STATE OF FLORIDA  
PROFESSIONAL ENGINEER

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REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-20194) CCB	RVMN		10/19/20
NOA REV. APP	MRT	ER/RN	03/04/24

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 24-0401.02  
Expiration Date 10/20/2025

By *Heggy*  
Miami Dade Product Control

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23-59904

SCALE: NTS UNLESS NOTED

10 OF 18

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3/7/2024 4:54 PM

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	4000 PSI MIN CONCRETE			
	DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	10.0	10.0	10.0	10.0
6'-0"	10.0	10.0	10.0	10.0
8'-0"	10.0	10.0	10.0	10.0
10'-0"	10.0	10.0	10.0	10.0
12'-0"	9.4	10.0	10.0	10.0
14'-0"	8.3	9.6	10.0	10.0
14'-8"	8.0	9.2	10.0	10.0
16'-0"	7.5	8.6	10.0	10.0
17'-0"	7.1	8.2	9.8	10.0
18'-2"	6.8	7.8	9.3	10.0

# ANCHOR SPACING SCHEDULES: INTERIOR MOUNT (PAGE 1 OF 2)

NOTE: SEE ANCHOR NOTES ON PAGE 8.  
ANCHOR SCHEDULES MAY BE USED FOR BOTH CLIP AND TRACK OPTIONS.

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.)											
	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"	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	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8'-0"	10.0	10.0	10.0	10.0	7.8	9.0	10.0	10.0	7.9	9.2	10.0	10.0
10'-0"	8.6	10.0	10.0	10.0	6.5	7.5	9.0	10.0	6.6	7.7	9.2	10.0
12'-0"	7.3	8.6	10.0	10.0	5.6	6.5	7.8	9.7	5.7	6.6	7.9	10.0
14'-0"	6.4	7.5	9.2	10.0	5.0	5.7	6.9	8.6	5.1	5.9	7.0	8.8
14'-8"	6.1	7.2	8.8	10.0	4.8	5.5	6.6	8.3	4.9	5.6	6.8	8.5
16'-0"	5.7	6.7	8.1	10.0	4.4	5.2	6.2	7.8	4.5	5.3	6.3	7.9
17'-0"	5.4	6.3	7.7	10.0	4.2	4.9	5.9	7.4	4.3	5.0	6.0	7.6
18'-2"	5.1	6.0	7.3	9.4	4.6	5.6	7.0	4.1	4.7	5.7	7.2	7.2

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT PANELMATE TVAS ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.)											
	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	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	9.2
16'-0"	8.7	10.0	10.0	10.0	4.6	5.7	4.7	5.5	6.7	8.6	8.6	8.6
17'-0"	8.3	9.6	10.0	10.0	4.4	5.4	4.4	5.2	6.3	8.1	8.1	8.1
18'-2"	7.9	9.1	10.0	10.0	4.1	5.2	4.2	4.9	6.0	7.7	7.7	7.7

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

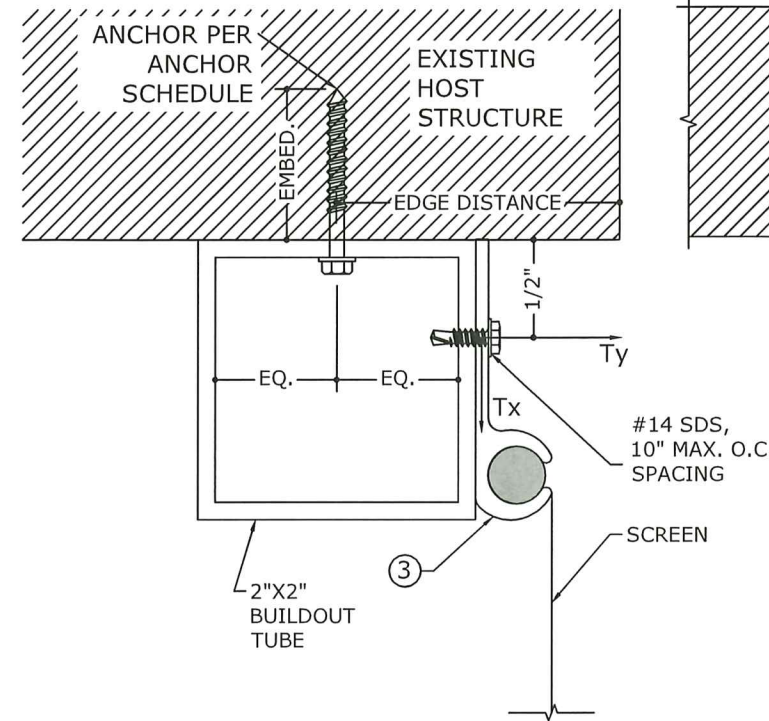
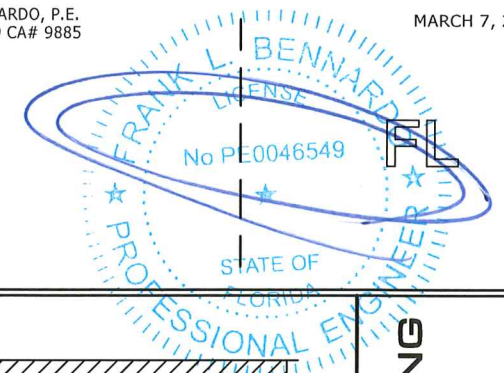
SPAN	1/4" DEWALT PANELMATE FEMALE ID ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.)											
	3350 PSI MIN CONCRETE				HOLLOW AND GROUT-FILLED CONCRETE BLOCK				G=0.55 MIN. WOOD			
	DESIGN PRESSURE				DESIGN PRESSURE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30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

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

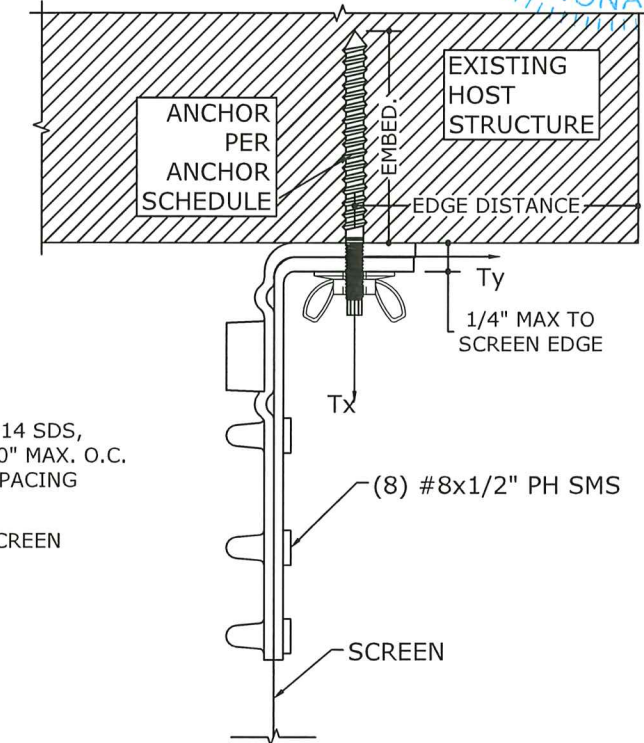
SPAN	1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.)							
	3000 PSI MIN CONCRETE				HOLLOW AND GROUT-FILLED CONCRETE BLOCK			
	DESIGN PRESSURE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
6'-0"	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8'-0"	10.0	10.0	10.0	10.0	8.0	9.3	10.0	10.0
10'-0"	10.0	10.0	10.0	10.0	6.8	7.8	9.3	10.0
12'-0"	10.0	10.0	10.0	10.0	5.9	6.8	8.0	10.0
14'-0"	9.0	10.0	10.0	10.0	5.2	6.0	7.1	8.9
14'-8"	8.7	10.0	10.0	10.0	5.0	5.8	6.9	8.6
16'-0"	8.1	9.4	10.0	10.0	4.7	5.4	6.4	8.0
17'-0"	7.7	8.9	10.0	10.0	4.4	5.1	6.1	7.7
18'-2"	7.3	8.5	10.0	10.0	4.2	4.9	5.8	7.3

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

MARCH 7, 2024



INTERIOR MOUNT -  
TRACK CONDITION  
N.T.S. SECTION VIEW



INTERIOR MOUNT -  
CLIP CONDITION  
N.T.S. SECTION VIEW

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE INTERIOR MOUNT CONDITION (IN. O.C.)			
	4000 PSI MIN CONCRETE			
	DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	10.0	10.0	10.0	10.0
6'-0"	10.0	10.0	10.0	10.0
8'-0"	10.0	10.0	10.0	10.0
10'-0"	10.0	10.0	10.0	10.0
12'-0"	10.0	10.0	10.0	10.0
14'-0"	10.0	10.0	10.0	10.0
14'-8"	10.0	10.0	10.0	10.0
16'-0"	10.0	10.0	10.0	10.0
17'-0"	10.0	10.0	10.0	10.0
18'-2"	10.0	10.0	10.0	10.0

PRODUCT REVISED  
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Expiration Date 10/20/2025  
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Miami Dade Product Control

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REMARKS	DRWN	CHKD	DATE
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NOA REV. APP	MRT		03/04/24

23-59904  
SCALE: NTS UNLESS NOTED  
11 OF 18

3/7/2024 4:54 PM MILTON c:\users\milton\engineering\express\production - documents\projects\23-123-59904 noa #20-1102.08 update to 2023 fbc\work\2023 fbc\02\drawings & cad\5 - 23-59904f noa dwg.dwg

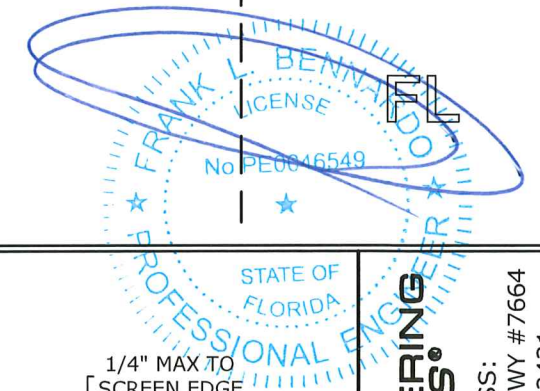




# ANCHOR SPACING SCHEDULES: ALT. ATTACHMENT #1: EXTRUSION 1 MOUNT (CLIP ONLY) (PAGE 1 OF 1)

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

MARCH 7, 2024



NOTE: SEE ANCHOR NOTES ON PAGE 8.  
THIS ALTERNATE ATTACHMENT METHOD APPLIES TO THE CLIP OPTION ONLY.  
SEE OTHER ATTACHMENT METHODS HEREIN FOR THE TRACK OPTION.

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE EXTRUSION 1 MOUNT (IN. O.C.)			
	4000 PSI MIN CONCRETE			
	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	6.4
14'-0"			4.7	5.7
14'-8"			4.5	5.6
16'-0"				5.2
17'-0"				5.0
18'-2"				4.8

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT STEEL DROPIN ANCHOR SCHEDULE EXTRUSION 1 MOUNT (IN. O.C.)			
	4000 PSI MIN CONCRETE			
	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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT POWER-STUD ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)				GROUT-FILLED CONCRETE BLOCK			
	4000 PSI MIN CONCRETE				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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

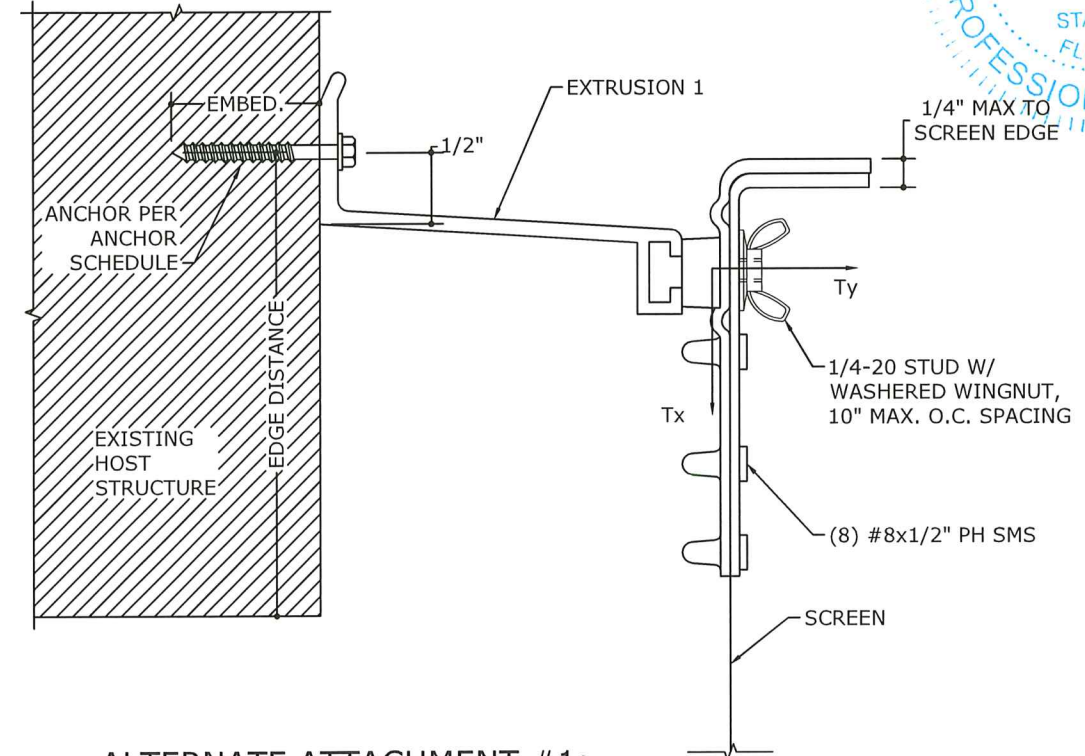
SPAN	1/4" DEWALT PANELMATE TVAS ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)				G=0.55 MIN. WOOD			
	3350 PSI MIN CONCRETE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	4.9	5.6	6.6	8.0		4.5	5.3	6.4
6'-0"		4.2	4.9	6.0				4.9
8'-0"			4.1	4.9				
10'-0"				4.2				

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT PANELMATE FEMALE ID ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)				HOLLOW AND GROUT-FILLED CONCRETE BLOCK				G=0.55 MIN. WOOD			
	3350 PSI MIN CONCRETE				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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" ITW SAMMY SSC ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)				GROUT-FILLED CONCRETE BLOCK			
	3295 PSI MIN CONCRETE				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				



ALTERNATE ATTACHMENT #1:  
EXTRUSION 1 (BUILD OUT F TRACK) MOUNT  
N.T.S. SECTION VIEW

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT PANELMATE (MALE OR FEMALE) ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)				G=0.55 MIN. WOOD			
	3323 PSI MIN CONCRETE				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				

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 24-0401.02  
Expiration Date 10/29/2025  
By Heather D. Miller  
Miami Dade Product Control

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)				GROUT-FILLED CONCRETE BLOCK			
	2700 PSI MIN CONCRETE				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				

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REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-28194)	RVM		10/19/20
NOR. REV. APP	MRT		03/04/24

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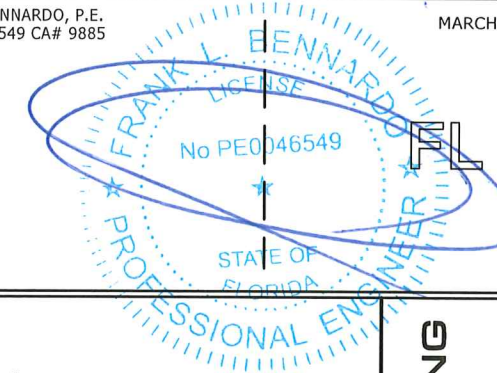
SCALE: NTS UNLESS NOTED

# ANCHOR SPACING SCHEDULES: ALT. ATTACHMENT #2: EXTRUSION 2 MOUNT (CLIP ONLY) (PAGE 1 OF 2)

NOTE: SEE ANCHOR NOTES ON PAGE 8.  
THIS ALTERNATE ATTACHMENT METHOD APPLIES TO THE CLIP OPTION ONLY.  
SEE OTHER ATTACHMENT METHODS HEREIN FOR THE TRACK OPTION.

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

MARCH 7, 2024



NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" ITW SAMMY SSC ANCHOR SCHEDULE - EXTRUSION 2 MOUNT (IN. O.C.)											
	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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

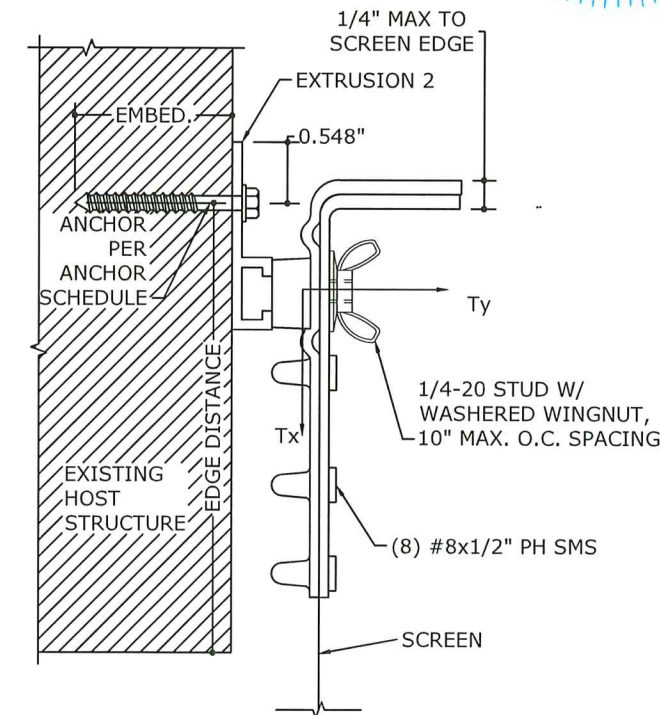
SPAN	1/4" DEWALT PANELMATE (MALE OR FEMALE) ANCHOR SCHEDULE - EXTRUSION 2 MOUNT (IN. O.C.)											
	3323 PSI MIN CONCRETE				HOLLOW AND GROUT-FILLED CONCRETE BLOCK				G=0.55 MIN. WOOD			
	DESIGN PRESSURE				DESIGN PRESSURE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT HOLLOW-SET DROPIN ANCHOR SCHEDULE EXTRUSION 2 MOUNT (IN. O.C.)							
	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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

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



ALTERNATE ATTACHMENT #2:  
EXTRUSION 2 (F TRACK) MOUNT  
N.T.S. SECTION VIEW

PRODUCT REVISED  
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Building Code  
Acceptance No 24-0401.02  
Expiration Date 10/20/2025  
By *Hugh A. Miller*  
Miami Dade Product Control

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# ANCHOR SPACING SCHEDULES: ALT. ATTACHMENT #2: EXTRUSION 2 MOUNT (CLIP ONLY) (PAGE 2 OF 2)

NOTE: SEE ANCHOR NOTES ON PAGE 8.  
THIS ALTERNATE ATTACHMENT METHOD APPLIES TO THE CLIP OPTION ONLY.  
SEE OTHER ATTACHMENT METHODS HEREIN FOR THE TRACK OPTION.

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) 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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) 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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) 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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

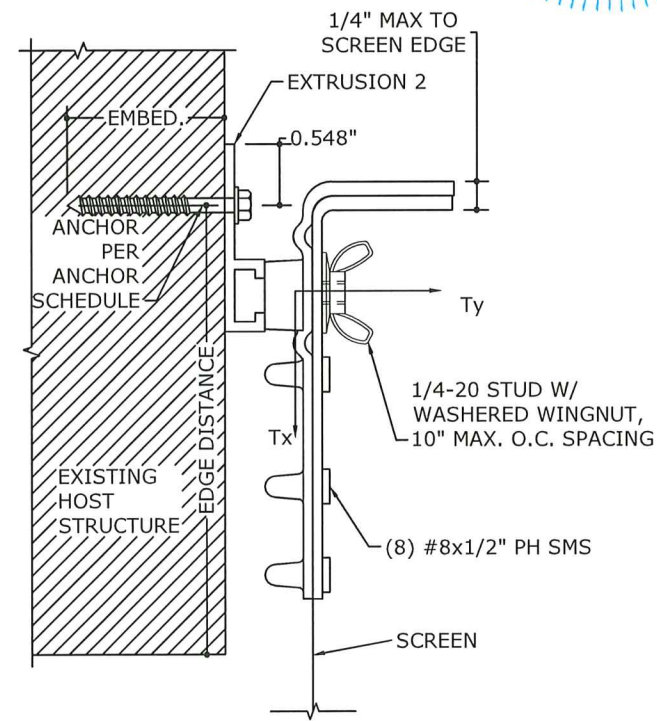
3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE EXTRUSION 2 MOUNT (IN. O.C.)

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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

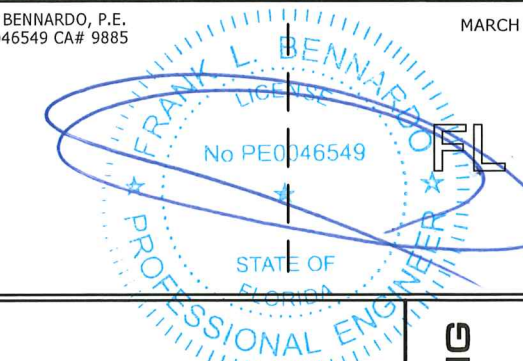
1/4" DEWALT POWER-STUD ANCHOR SCHEDULE - EXTRUSION 2 MOUNT (IN. O.C.)

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



**ALTERNATE ATTACHMENT #2:  
EXTRUSION 2 (F TRACK) MOUNT**  
N.T.S. SECTION VIEW

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 24-0401.02  
Expiration Date 10/20/2025  
By Hedy A. [Signature]  
Miami Dade Product Control



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REMARKS	DRWN	CHKD	DATE
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# ANCHOR SPACING SCHEDULES: ALTERNATE ATTACHMENT #3 & #4: BUILD OUT MOUNTS (PAGE 1 OF 2)

NOTE: SEE ANCHOR NOTES ON PAGE 8.  
ANCHOR SCHEDULES MAY BE USED FOR BOTH CLIP AND TRACK OPTIONS.

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

1/4" ITW SAMMY SSC ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.)  
Table with columns for Span (4'-0" to 18'-2") and Design Pressure (60, 50, 40, 30 PSF) for 3295 PSI Min Concrete, Hollow Concrete Block, and Grout-filled Concrete Block.

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

1/4" DEWALT PANELMATE (MALE OR FEMALE) ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.)  
Table with columns for Span (4'-0" to 18'-2") and Design Pressure (60, 50, 40, 30 PSF) for 3323 PSI Min Concrete, Hollow and Grout-filled Concrete Block, and G=0.55 Min. Wood.

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

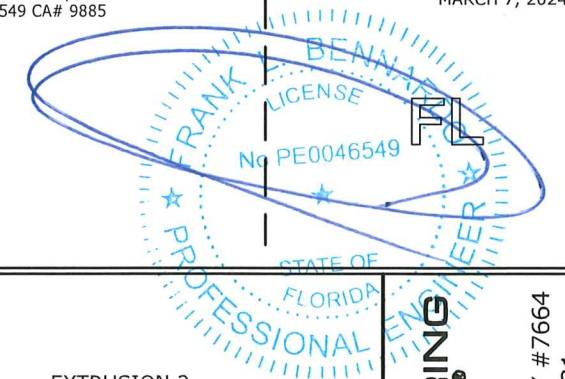
1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.)  
Table with columns for Span (4'-0" to 18'-2") and Design Pressure (60, 50, 40, 30 PSF) for 2700 PSI Min Concrete, Hollow Concrete Block, and Grout-filled Concrete Block.

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

1/4" DEWALT PANELMATE FEMALE ID ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.)  
Table with columns for Span (4'-0" to 18'-2") and Design Pressure (60, 50, 40, 30 PSF) for 3350 PSI Min Concrete, Hollow and Grout-filled Concrete Block, and G=0.55 Min. Wood.

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

MARCH 7, 2024



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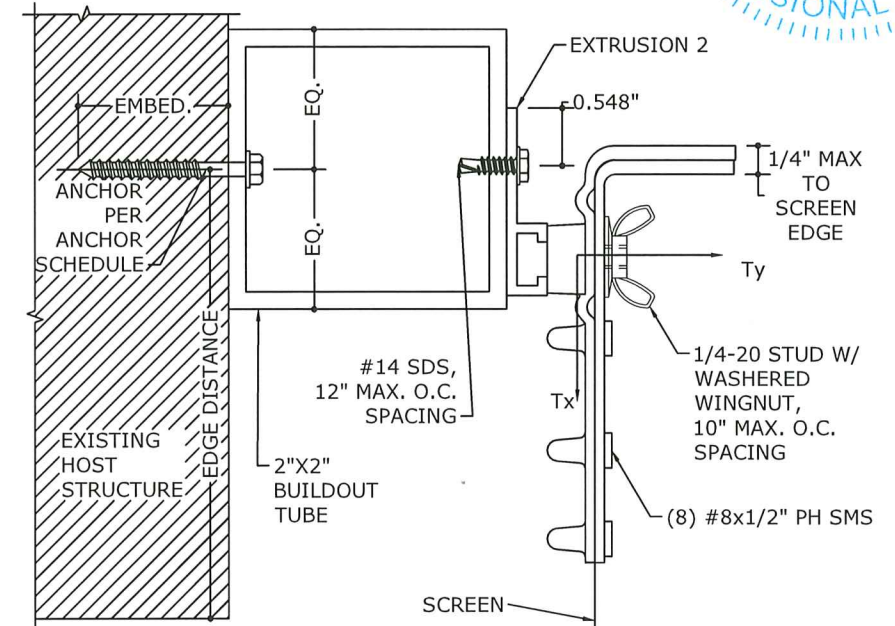
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Table with 3 columns: DRWN/CHKD, DATE, REMARKS. Includes entries for RWN, CCB, MRT, and ER/RN with dates 10/19/20 and 03/04/24.

23-59904

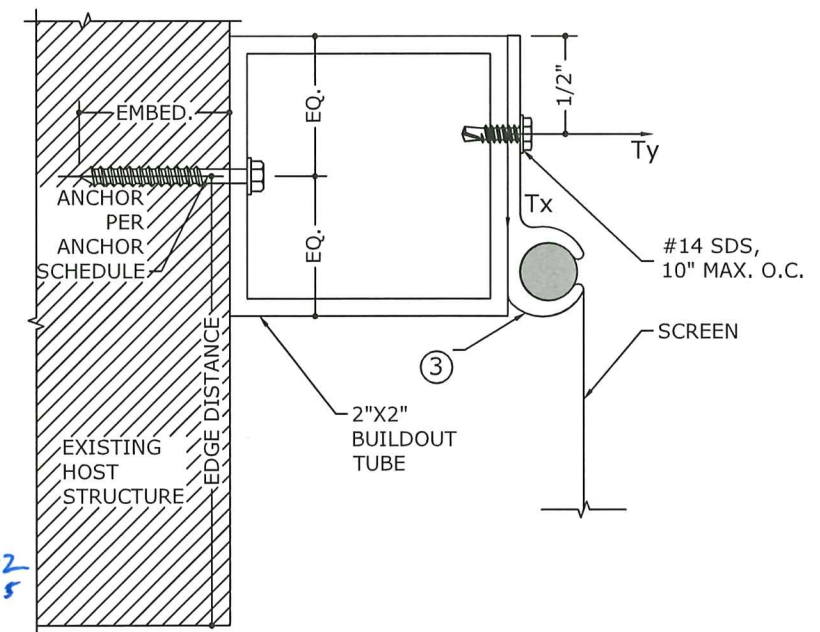
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ALTERNATE ATTACHMENT #3:  
BUILD OUT MOUNT (CLIP OPTION)

N.T.S. SECTION VIEW



ALTERNATE ATTACHMENT #4:  
BUILD OUT MOUNT (TRACK OPTION)

N.T.S. SECTION VIEW

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as complying with the Florida  
Building Code  
Acceptance No 24-0401.02  
Expiration Date 10/20/2025  
By Hedy A. W. [Signature]  
Miami Dade Product Control

# ANCHOR SPACING SCHEDULES: ALTERNATE ATTACHMENT #3 & #4: BUILD OUT MOUNTS (PAGE 2 OF 2)

NOTE: SEE ANCHOR NOTES ON PAGE 8.  
ANCHOR SCHEDULES MAY BE USED FOR BOTH CLIP AND TRACK OPTIONS.

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.)				HOLLOW AND GROUT-FILLED CONCRETE BLOCK			
	3000 PSI MIN CONCRETE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	9.3	10.6	12.0	12.0	5.4	6.1	7.2	8.8
6'-0"	6.9	7.9	9.3	11.4	4.0	4.6	5.4	6.6
8'-0"	5.6	6.4	7.6	9.3			4.4	5.4
10'-0"	4.8	5.5	6.4	7.9				4.6
12'-0"	4.2	4.8	5.6	6.9				4.0
14'-0"		4.3	5.0	6.2				
14'-8"		4.1	4.9	6.0				
16'-0"			4.6	5.6				
17'-0"			4.4	5.4				
18'-2"			4.2	5.1				

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT STEEL DROPIN ANCHOR SCHEDULE BUILD OUT TUBE MOUNT (IN. O.C.)			
	4000 PSI MIN CONCRETE			
	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	8.5	9.7	11.4	12.0
6'-0"	6.3	7.2	8.5	10.5
8'-0"	5.1	5.9	6.9	8.5
10'-0"	4.4	5.0	5.9	7.2
12'-0"		4.4	5.1	6.3
14'-0"			4.6	5.7
14'-8"			4.4	5.5
16'-0"			4.2	5.1
17'-0"				4.9
18'-2"				4.7

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT PANELMATE TVAS ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.)				HOLLOW AND GROUT-FILLED CONCRETE BLOCK				G=0.55 MIN. WOOD			
	3350 PSI MIN CONCRETE				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"	10.3	11.8	12.0	12.0		4.2	4.9	6.1	6.7	7.6	8.9	10.9
6'-0"	7.7	8.8	10.3	12.0				4.5	5.1	5.8	6.7	8.2
8'-0"	6.2	7.1	8.4	10.3					4.1	4.7	5.5	6.7
10'-0"	5.3	6.1	7.1	8.8					4.0	4.7	5.8	
12'-0"	4.6	5.3	6.2	7.7					4.1		5.1	
14'-0"	4.1	4.7	5.6	6.9							4.5	
14'-8"	4.0	4.6	5.4	6.7							4.4	
16'-0"		4.3	5.1	6.2							4.1	
17'-0"		4.1	4.8	6.0								4.1
18'-2"			4.6	5.7								4.1

NOTE: FOR THE ABOVE 1/4" DEWALT PANELMATE TVAS ANCHOR SCHEDULE:  
 - 1/4"  $\emptyset$  OR 5/16"  $\emptyset$  DEWALT (FORMERLY ELCO) ULTRACON+ MAY BE USED AT THE SAME ANCHOR SPACING VALUES AS SHOWN ABOVE.  
 - 5/16"  $\emptyset$  OR 3/8"  $\emptyset$  WOOD SCREWS OR LAG SCREWS MAY BE USED AT THE SAME ANCHOR SPACING VALUES FOR THE G = 0.55 MIN. WOOD HOST SUBSTRATE (HOST BY OTHERS) AS SHOWN ABOVE.  
 - FOLLOW THE SAME EMBEDMENT & EDGE DIST. REQUIREMENTS AS THE 1/4" DEWALT PANELMATE TVAS ANCHOR. (SEE PAGE 8).

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT HOLLOW-SET DROPIN ANCHOR SCHEDULE BUILD OUT TUBE MOUNT (IN. O.C.)			
	4000 PSI MIN CONCRETE			
	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	5.0	5.7	6.7	8.2
6'-0"		4.3	5.0	6.2
8'-0"			4.1	5.0
10'-0"				4.3

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT POWER-STUD ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.)				GROUT-FILLED CONCRETE BLOCK			
	4000 PSI MIN CONCRETE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	8.4	9.6	11.3	12.0	5.4	6.1	7.1	8.8
6'-0"	6.3	7.2	8.4	10.4	4.0	4.6	5.4	6.6
8'-0"	5.1	5.8	6.9	8.4			4.4	5.4
10'-0"	4.4	5.0	5.8	7.2				4.6
12'-0"		4.4	5.1	6.3				4.0
14'-0"			4.6	5.6				
14'-8"			4.4	5.5				
16'-0"			4.2	5.1				
17'-0"				4.9				
18'-2"				4.7				

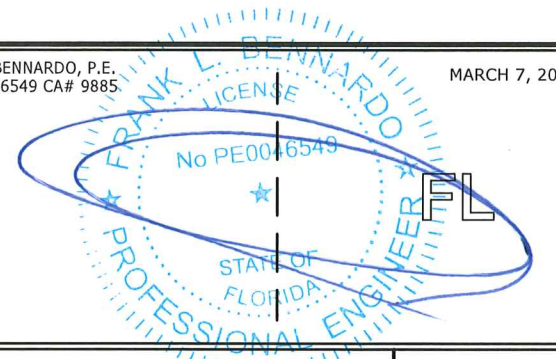
NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE BUILD OUT TUBE MOUNT (IN. O.C.)			
	4000 PSI MIN CONCRETE			
	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"	10.9	12.0	12.0	12.0
10'-0"	9.2	10.6	12.0	12.0
12'-0"	8.1	9.2	10.9	12.0
14'-0"	7.2	8.3	9.7	12.0
14'-8"	7.0	8.0	9.4	11.6
16'-0"	6.5	7.5	8.8	10.9
17'-0"	6.2	7.1	8.4	10.4
18'-2"	5.9	6.8	8.0	9.9

NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	3/8" DEWALT SCREW-BOLT+ OR EQUIVALENT ANCHOR SCHEDULE - BUILD OUT MOUNT CONDITION (IN. O.C.)			
	3000 PSI MIN CONCRETE OR GFB			
	DESIGN PRESSURE (ASD)			
	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"	11.4	12.0	12.0	12.0
10'-0"	9.7	11.1	12.0	12.0
12'-0"	8.5	9.7	11.4	12.0
14'-0"	7.6	8.7	10.2	12.0
14'-8"	7.4	8.4	9.9	12.0
16'-0"	6.9	7.9	9.3	11.4
17'-0"	6.6	7.6	8.9	10.9
18'-2"	6.3	7.2	8.5	10.4

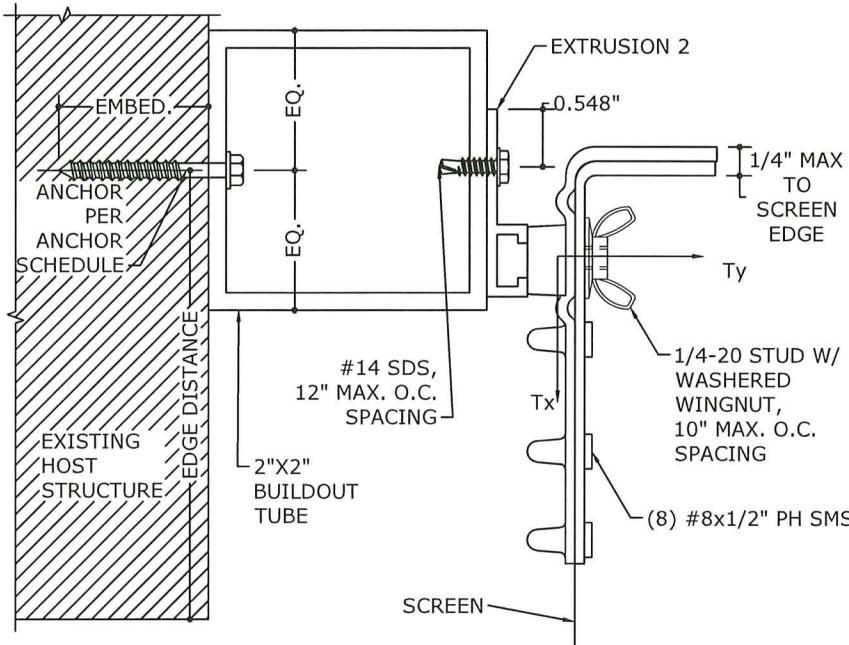
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PE# 0046549 CA# 9885  
MARCH 7, 2024



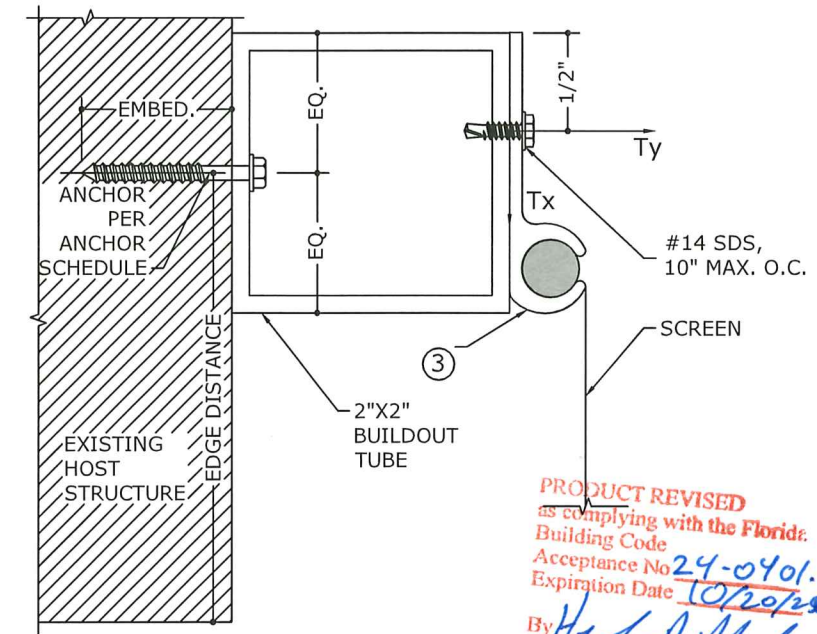
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**ALTERNATE ATTACHMENT #3:  
BUILD OUT MOUNT (CLIP OPTION)**  
N.T.S. SECTION VIEW



**ALTERNATE ATTACHMENT #4:  
BUILD OUT MOUNT (TRACK OPTION)**  
N.T.S. SECTION VIEW

PRODUCT REVISED  
 as complying with the Florida Building Code  
 Acceptance No 24-0401.02  
 Expiration Date 10/2025  
 By: *Heidi*  
 Miami Dade Product Control

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-29194)	IRVN	IRVN	10/19/20
NOA REV. APP	MRT	ER/RN	03/04/24

23-59904

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2	TYP. DETAILS & TOP AND BOTTOM MOUNTING CLIP DETAILS
3	TYP. MOUNT DETAILS, GLAZING SEPARATION SCHEDULE & LOADS ON EXISTING STRUCTURE SCHEDULE
4	ANGLED PANEL INSTALLATION DETAILS
5	STORM BAR INSTALLATION DETAILS
6	STORM BAR ALLOWABLE SPAN SCHEDULES
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**TERMINOLOGY:**

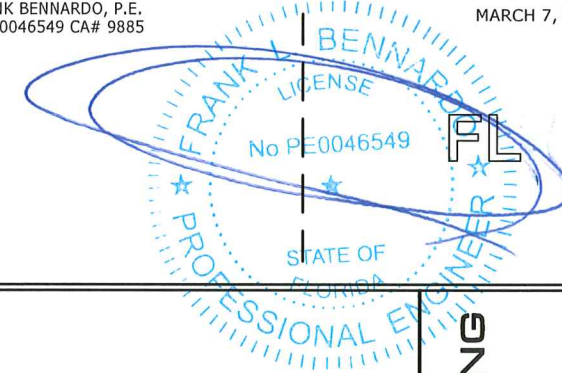
THE FOLLOWING ABBREVIATIONS MAY APPEAR IN THIS APPROVAL:

"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", "SCHED." FOR "SCHEDULE", "SDS" FOR "SELF-DRILLING SCREWS", "SMS" FOR "SHEET METAL SCREWS", "SPECS" FOR "SPECIFICATIONS", "SS" FOR "STAINLESS STEEL", "SUB" FOR "SUBMITTAL", "TAS" FOR "TESTING APPLICATION STANDARD", "TYP." FOR "TYPICAL", "ULT" FOR "ULTIMATE LOADS", "U.N.O." FOR "UNLESS NOTED OTHERWISE", "UTS" OR "Fu" FOR "ULTIMATE TENSILE STRENGTH/STRESS", "VERT" FOR "VERTICAL", "WLL" FOR "WORKING LOAD LIMIT", "W/" FOR "WITH", "W/O" FOR "WITHOUT", "YS" FOR "YIELD STRENGTH", "#" FOR "NUMBER", "&" FOR "AND", AND "Ø" FOR "DIAMETER".

CONTACT ENGINEERING EXPRESS FOR ADDITIONAL ABBREVIATION/TERMINOLOGY CLARIFICATIONS.

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

MARCH 7, 2024



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