



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

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 Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each 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 **renews NOA #24-0401.02** and consists of this page 1, evidence submitted pages E-1, E-2, E-3 & E-4 as well as approval document mentioned above.

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



Helmy A. Makar
06/05/25

NOA No. 25-0519.01
Expiration Date: 10/20/2030
Approval Date: 06/05/2025
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

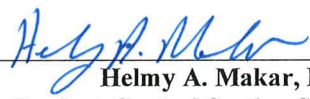
1. *Drawing No. 12-HFC-04, titled " Astro Guard Wind Abatement System ", sheets 1 through 11 of 11, prepared by Engineering Express, dated July 16, 2012, last revision dated March 22, 2013, signed & sealed by Frank L. Bennardo, P.E., on 03/25/2013.*

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. 25-0519.01
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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.
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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. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 24-0401.02

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.
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

7. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

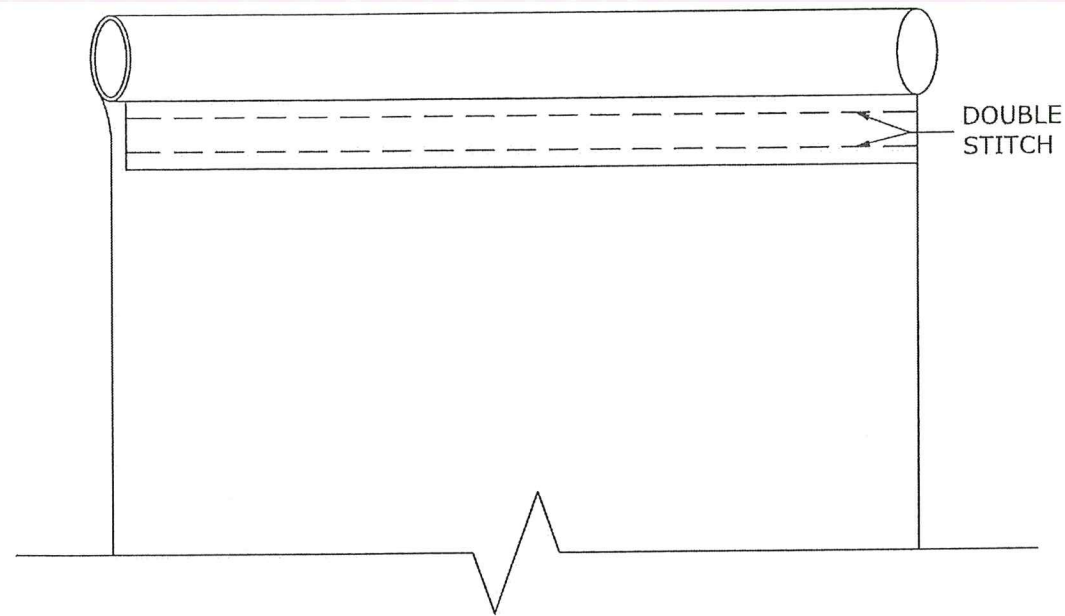
E. MATERIAL CERTIFICATIONS

1. None.

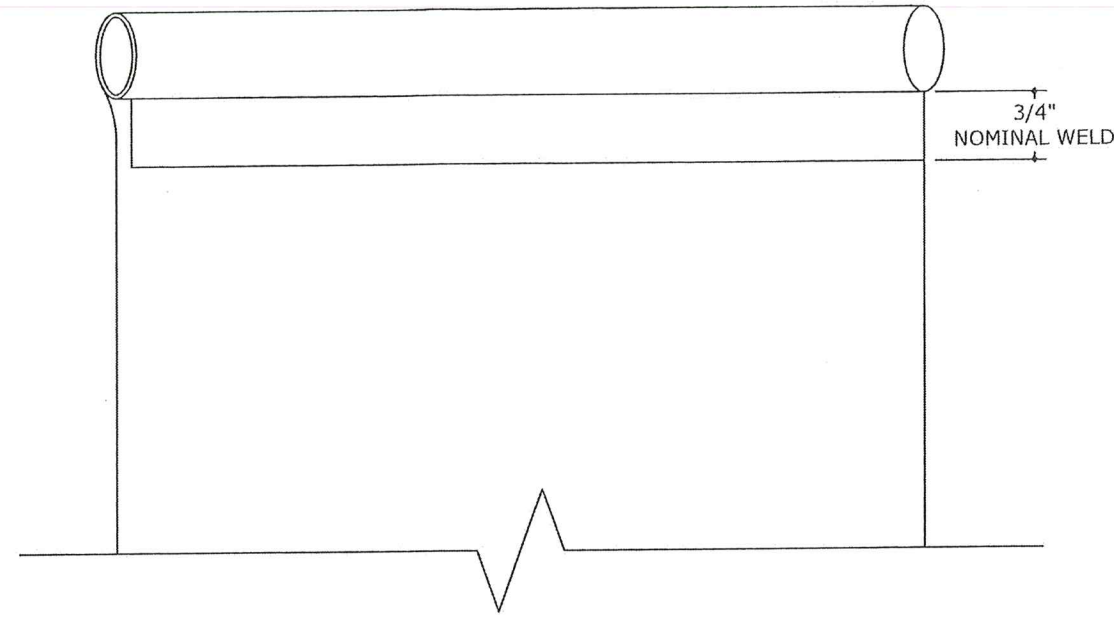


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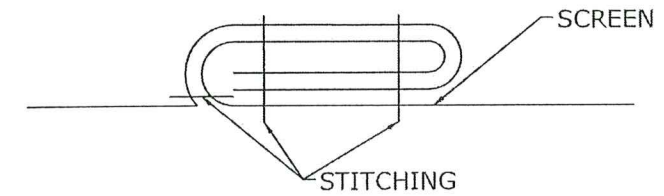
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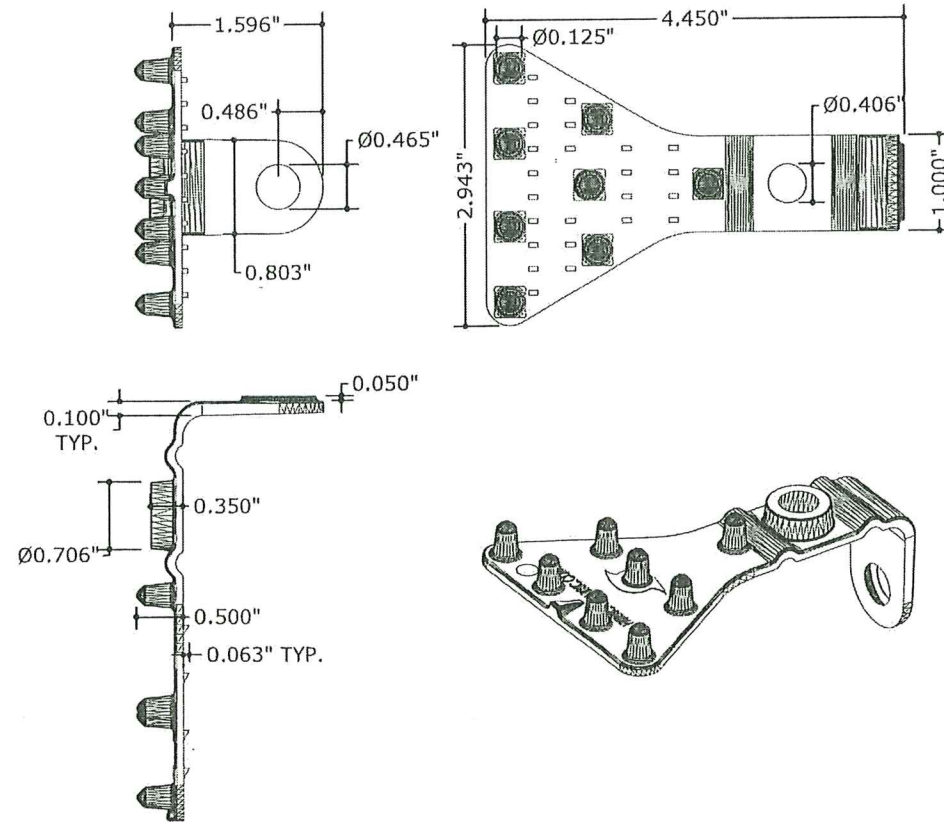
1 SEWN ON SINGLE FLAP
02 WELT TRACK INSERT
NOT TO SCALE



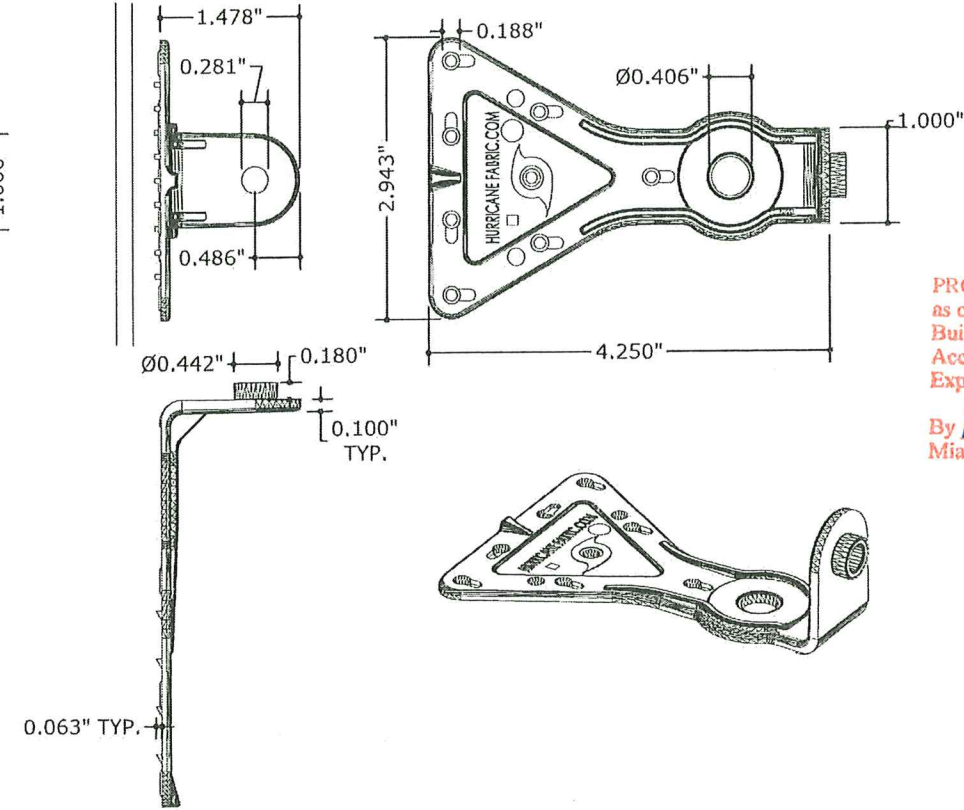
WELDED
WELT TRACK INSERT
NOT TO SCALE



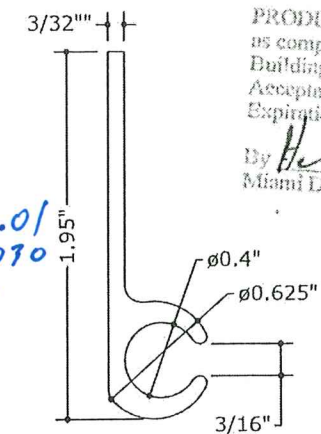
3 SPLICE DETAIL
02 NOT TO SCALE



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



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

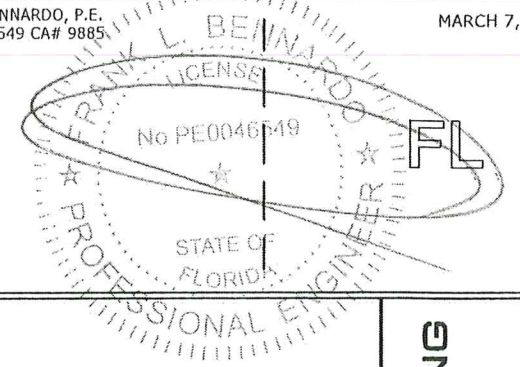


3 TRACK - SECTION VIEW
N.T.S. 85-SKR-90 | ALUM 6063 T-6

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

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

MARCH 7, 2024



EX ENGINEERING

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HURRICANE FABRIC, LLC

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ASTRO GUARD

WIND ABATEMENT SYSTEM

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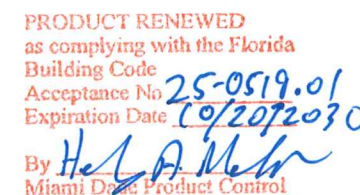
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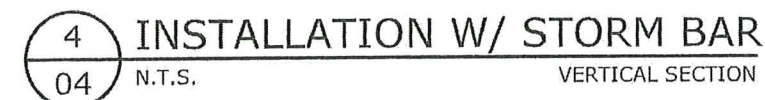
ASTRO GUARD
WIND ABATEMENT SYSTEM

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WIND ABATEMENT SYSTEM

DEFLECTION AND GLAZING
SEPARATION MEASURED
FROM PANEL MID SPAN



PRODUCT REVISED
is complying with the Florida
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Miami Dept. Product Control

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23-59904

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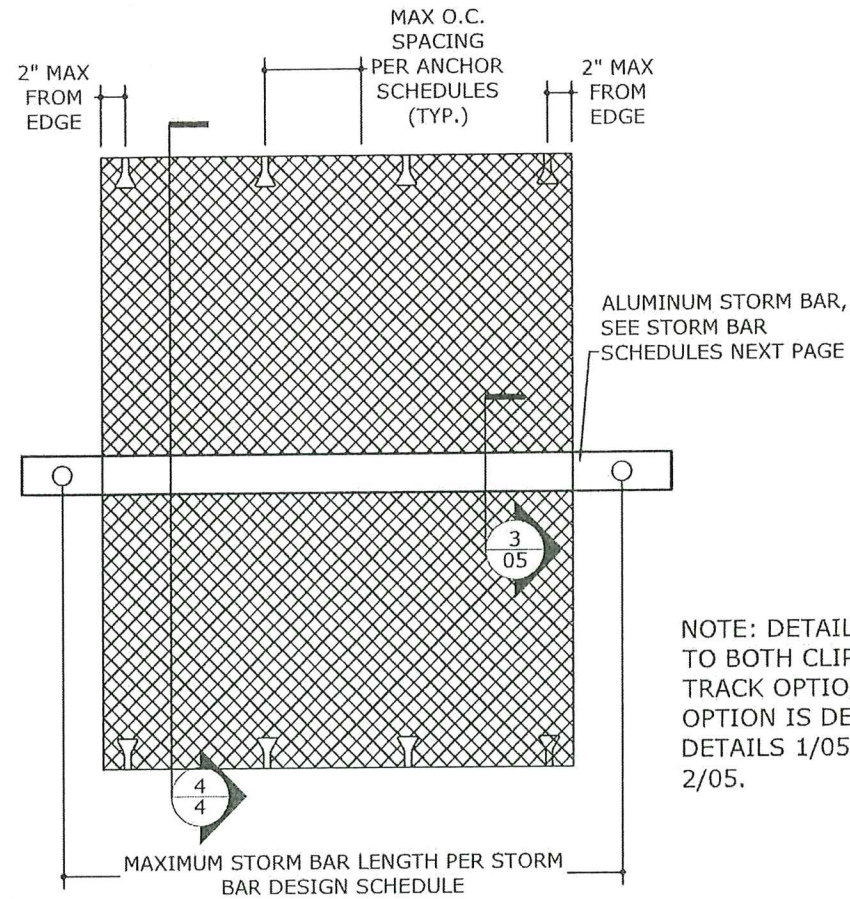
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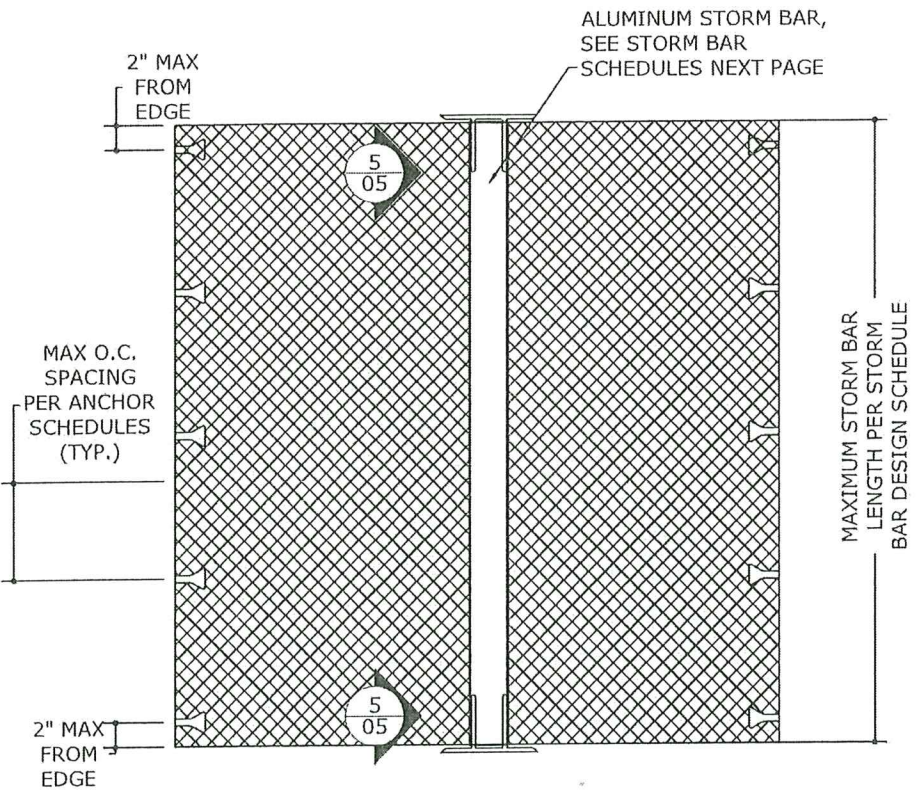
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PE# 0046549 CA# 9885

MARCH 7, 2024

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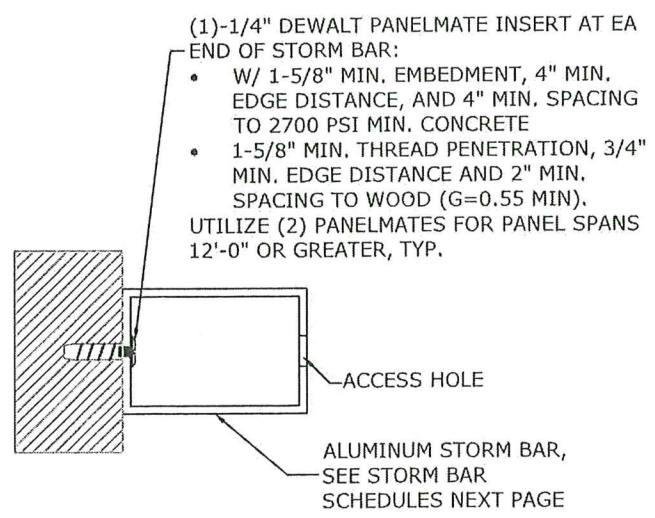
1
05
N.T.S. EXTERIOR ELEV
INSTALLATION W/ STORM BAR
STORM BARS & FABRIC MAY BE INSTALLED HORIZONTALLY OR VERTICALLY AS APPLICABLE (HORIZONTAL STORM BAR INSTALLATION WITH VERTICAL PANEL SPAN SHOWN HEREIN)



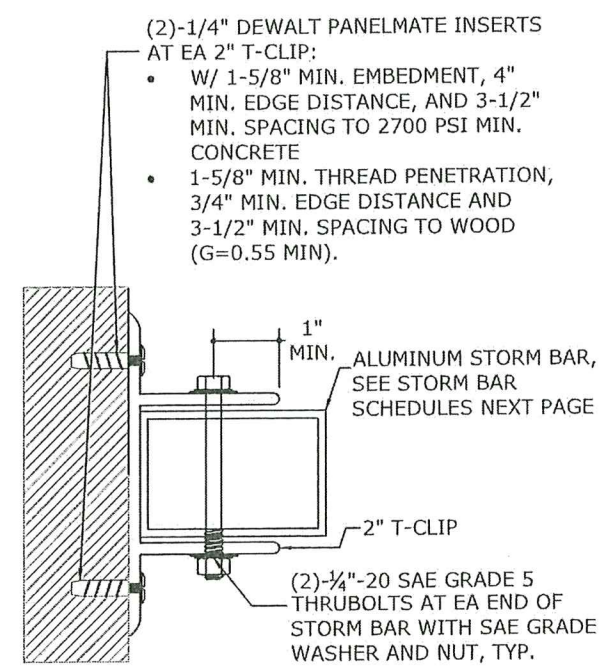
2
05
N.T.S. EXTERIOR ELEV
INSTALLATION W/ STORM BAR
STORM BARS & FABRIC MAY BE INSTALLED HORIZONTALLY OR VERTICALLY AS APPLICABLE (VERTICAL STORM BAR INSTALLATION WITH HORIZONTAL PANEL SPAN SHOWN HEREIN)

- 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.

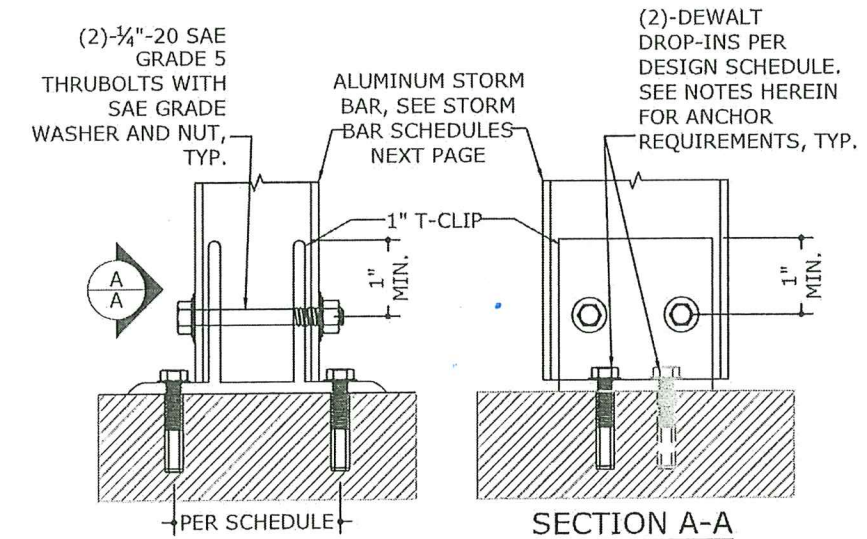
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By H. G. A. Miller
Miami Date Product Control



3
05
N.T.S. SECTION
STORM BAR
DIRECT MOUNT



4
05
N.T.S. SECTION
STORM BAR
2" T-CLIP MOUNT



5
05
N.T.S. SECTION
STORM BAR
1" T-CLIP MOUNT
*SEE NEXT PAGE FOR 1" T-CLIP ANCHOR DESIGN SCHEDULE

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WIND ABATEMENT SYSTEM
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REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-25194)	CCB	RVN	10/19/20
NOA REV. APP	MRT	ERVN	03/04/24

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STORM BAR
ALLOWABLE SPAN SCHEDULES

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Building Code
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Expiration Date 10/20/2030
By Helya Mbr
Miami Dade Product Control

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

MARCH 7, 2024

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

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"	533.2 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.

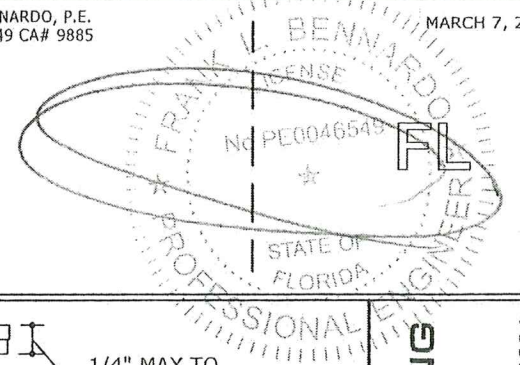
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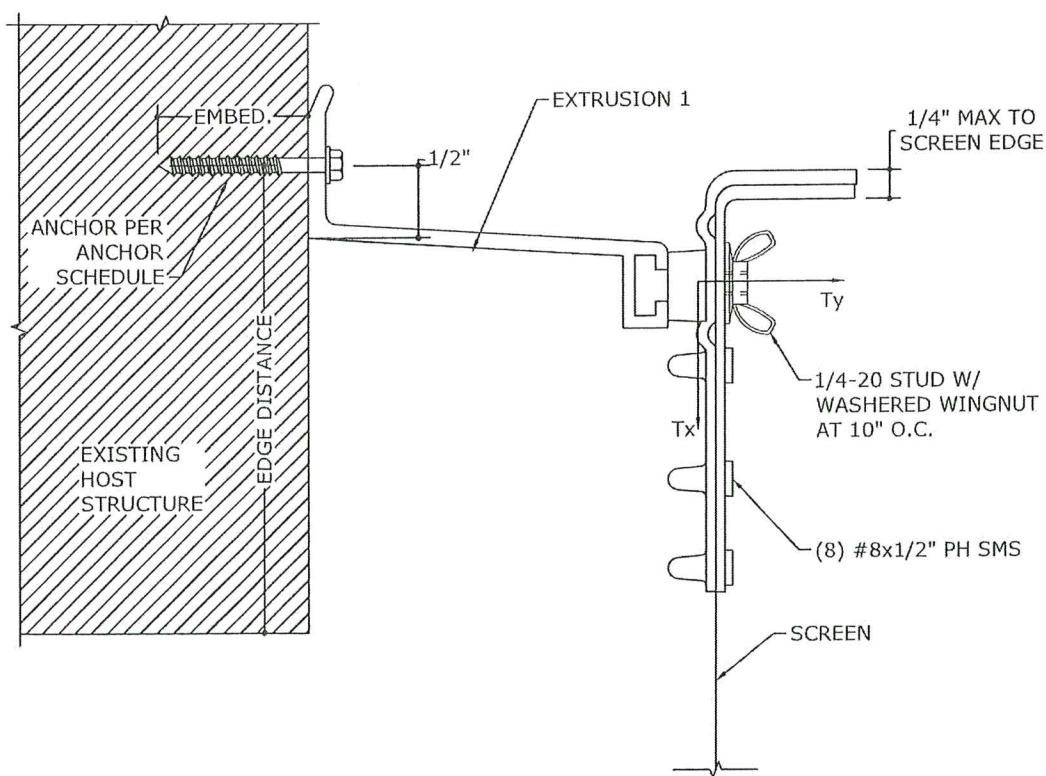
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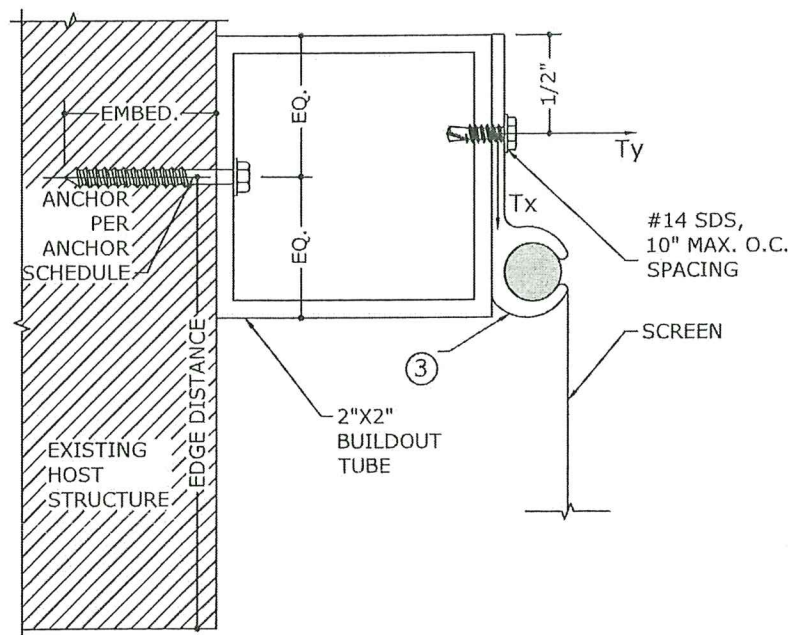
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ALTERNATE ATTACHMENT #1:
EXTRUSION 1 MOUNT

1
07 N.T.S. SECTION VIEW

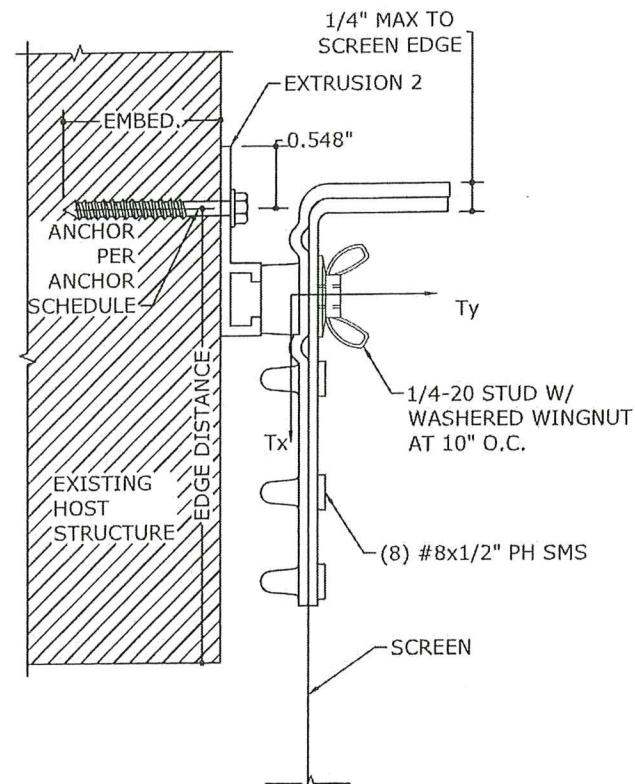


4
07

ALTERNATE ATTACHMENT #4:
BUILD OUT TUBE MOUNT

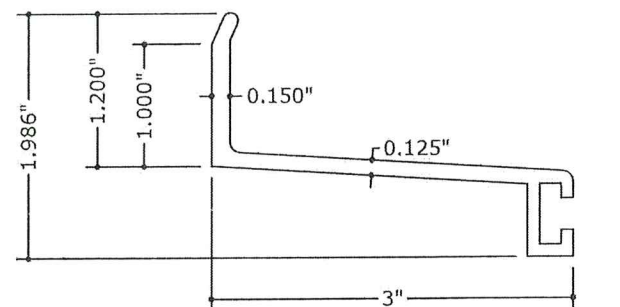
N.T.S.

SECTION VIEW



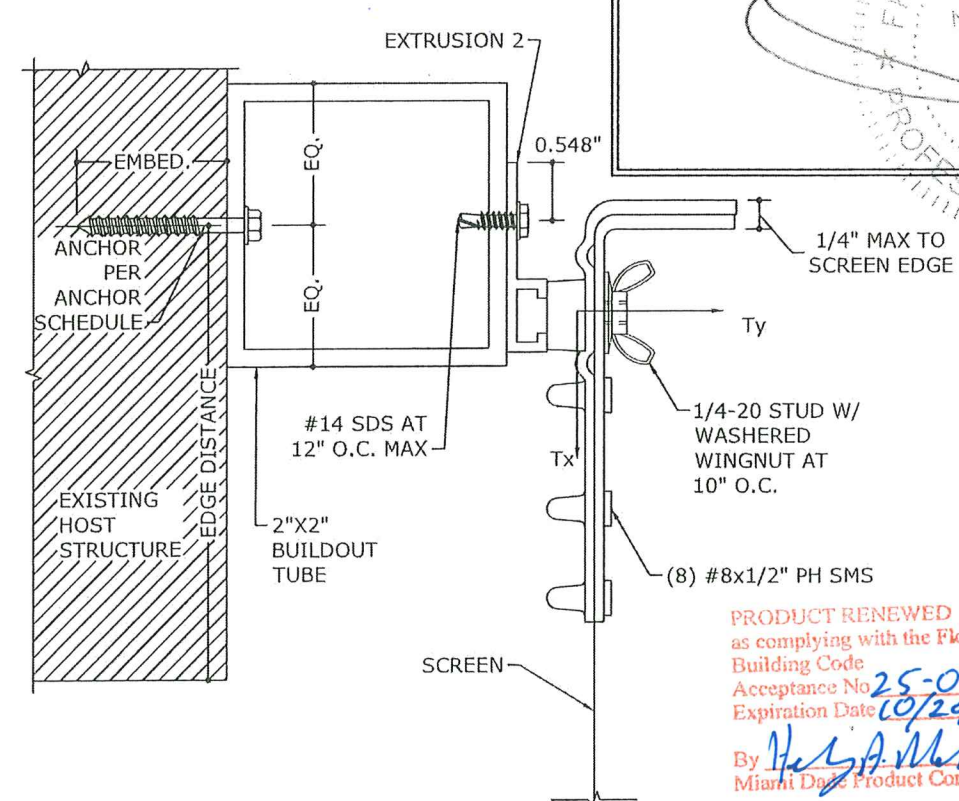
ALTERNATE ATTACHMENT #2:
EXTRUSION 2 MOUNT

2
07 N.T.S. SECTION VIEW



4 EXTRUSION 1:
BUILD OUT F TRACK

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Miami-Dade Product Control



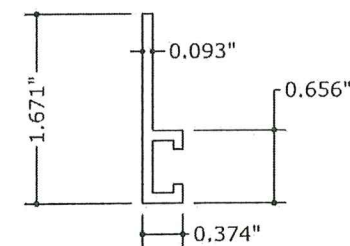
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07

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

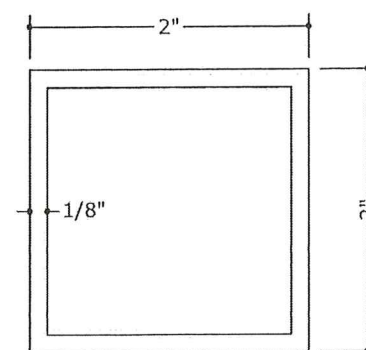
N.T.S.

SECTION VIEW

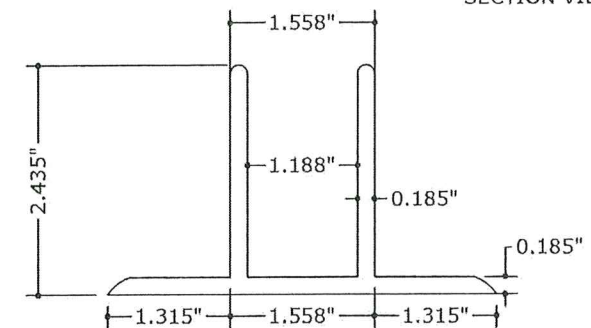
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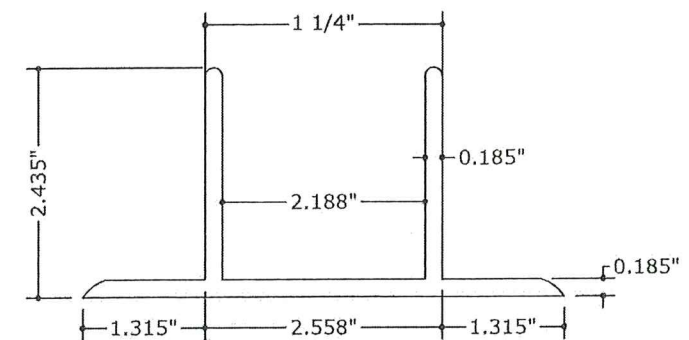
5 EXTRUSION 2:
F TRACK
N.T.S. 6063-T6 ALUM



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



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



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

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23-59904

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07

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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 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

- | | |
|-----------|---|
| 12.1.1.1. | 2-1/4" EMBEDMENT AND 2-1/2" EDGE DISTANCE TO CONCRETE |
| 12.1.1.2. | 1-1/4" EMBEDMENT AND 2-1/2" EDGE DISTANCE TO HOLLOW
CONCRETE BLOCK |
| 12.1.1.3. | 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:

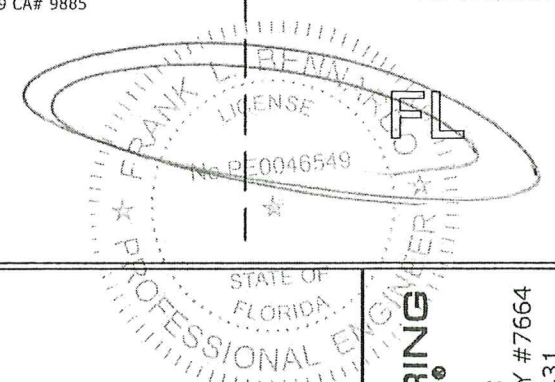
I. THE ALTERNATE ANCHOR IS DEMONSTRATED TO HAVE ALLOWABLE (ASD) TENSION AND SHEAR CAPACITIES EQUAL TO OR GREATER THAN THE LISTED ANCHOR'S ALLOWABLE TENSION AND SHEAR CAPACITIES AS VERIFIED BY A DESIGN PROFESSIONAL;

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.

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

MARCH 7, 2024



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Miami Dept Product Control

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ANCHOR SPACING SCHEDULES: WALL 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" ITW SAMMY SSC ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.)				3295 PSI MIN CONCRETE				HOLLOW CONCRETE BLOCK				GROUT-FILLED CONCRETE BLOCK			
	DESIGN PRESSURE				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	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	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	10.0	10.0	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"	10.0	10.0	10.0	10.0	4.9	5.6	6.7	8.2	5.8	6.6	7.7	9.4	10.0	10.0	10.0	10.0
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	10.0	10.0	10.0	10.0
14'-0"	9.0	10.0	10.0	10.0		4.4	5.2	6.4	4.6	5.2	6.1	7.4	10.0	10.0	10.0	10.0
14'-8"	8.7	10.0	10.0	10.0		4.2	5.0	6.2	4.4	5.0	5.9	7.2	10.0	10.0	10.0	10.0
16'-0"	8.2	9.4	10.0	10.0			4.7	5.8	4.1	4.7	5.5	6.8	10.0	10.0	10.0	10.0
17'-0"	7.8	9.0	10.0	10.0			4.5	5.6		4.5	5.3	6.5	10.0	10.0	10.0	10.0
18'-2"	7.4	8.5	10.0	10.0			4.3	5.3		4.3	5.1	6.2	10.0	10.0	10.0	10.0

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

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

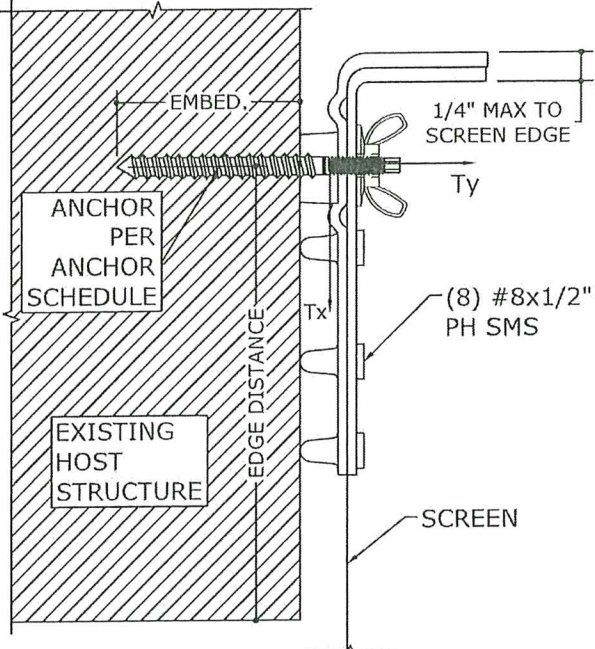
NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.)				2700 PSI MIN CONCRETE				HOLLOW CONCRETE BLOCK				GROUT-FILLED CONCRETE BLOCK			
	DESIGN PRESSURE				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	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	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	10.0	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	10.0	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	10.0	10.0	10.0	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	10.0	10.0	10.0	10.0
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	10.0	10.0	10.0	10.0
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	10.0	10.0	10.0	10.0
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	10.0	10.0	10.0	10.0
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	10.0	10.0	10.0	10.0
18'-2"	4.6	5.3	6.2	7.6		4.5	5.4	6.7		4.6	5.4	6.8	10.0	10.0	10.0	10.0

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

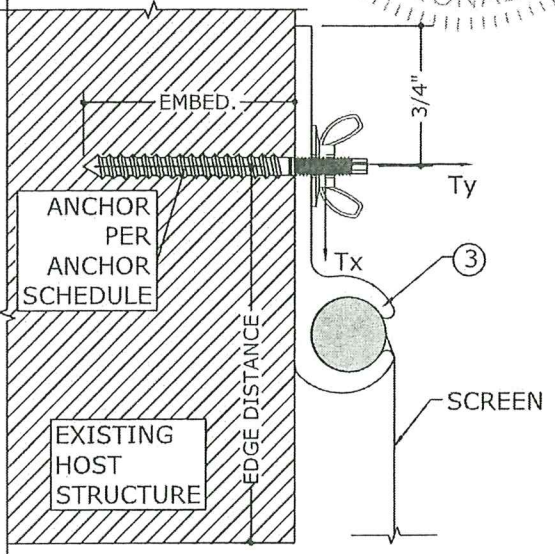
SPAN	1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.)				3000 PSI MIN CONCRETE				HOLLOW AND GROUT-FILLED CONCRETE BLOCK			
	DESIGN PRESSURE				DESIGN PRESSURE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	10.0	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	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	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	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	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	10.0	10.0	10.0	10.0	5.2	6.0	7.1	8.9
14'-8"	8.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0	5.0	5.8	6.9	8.6
16'-0"	8.2	9.5	10.0	10.0	10.0	10.0	10.0	10.0	4.7	5.4	6.4	8.1
17'-0"	7.8	9.0	10.0	10.0	10.0	10.0	10.0	10.0	4.4	5.1	6.1	7.7
18'-2"	7.4	8.5	10.0	10.0	10.0	10.0	10.0	10.0	4.2	4.9	5.8	7.3

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



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

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 25-0519.01 Expiration Date 10/20/2030 By H. G. A. Miller Miami Date Product Control



WALL MOUNT - TRACK 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 H. G. A. Miller Miami Date Product Control

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

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

MARCH 7, 2024

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No PE# 0046549

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DELRAY BEACH, FL 33444
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REMARKS	DATE	DRWN	CHKD	DATE	DATE
PREV. SUBMITTAL (20-23194) CCB	10/19/20	RVN			
NOA REV. APP	03/04/24	MRT			

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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	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	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: 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

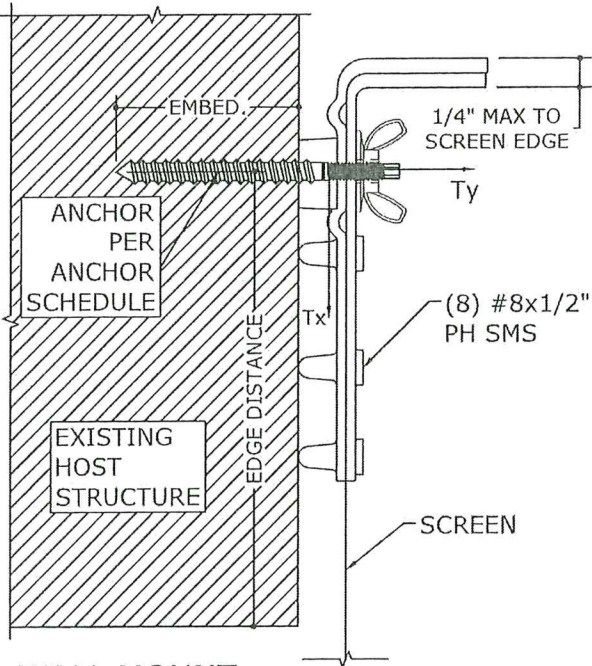
1/4" DEWALT HOLLOW-SET DROPIN ANCHOR SCHEDULE WALL MOUNT CONDITION (IN. O.C.)								
SPAN	4000 PSI MIN CONCRETE				HOLLOW AND GROUT-FILLED CONCRETE BLOCK			
	DESIGN PRESSURE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	10.0	10.0	10.0	10.0	8.3	9.7	10.0	10.0
6'-0"	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

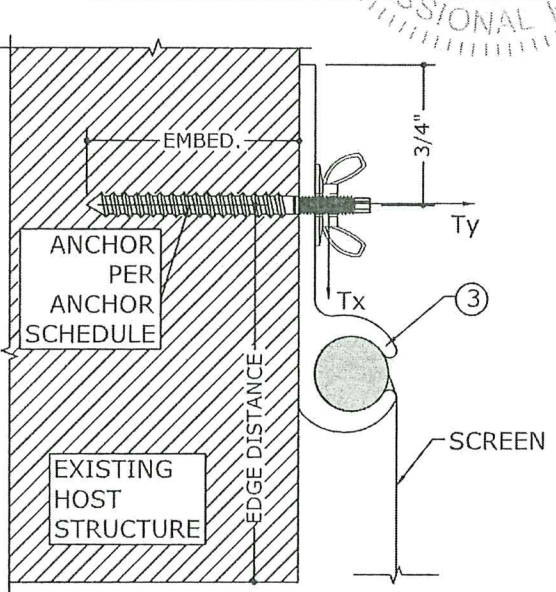
NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

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

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 25-0519.01 Expiration Date 10/20/2030 By H. J. A. Miller Miami Date Product Control

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

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

MARCH 7, 2024

FRANK L. BENNARDO
No PE0046549
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

HURRICANE FABRIC, LLC
1505 POINSETTA DR, SUITE H-3
DELRAY BEACH, FL 33444
WWW.HURRICANEFABRIC.COM
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REMARKS	DATE	CHKD	DATE	CHKD	DATE	CHKD	DATE	CHKD	DATE
PREV. SUBMITTAL (20-23194)	10/19/20	CCB	10/19/20	RVN	10/19/20	MRT	10/19/20	ER/RN	10/19/20
NOA REV. APP	03/04/24								

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

ANCHOR SCHEDULES MAY BE USED FOR BOTH CLIP AND TRACK OPTIONS.

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

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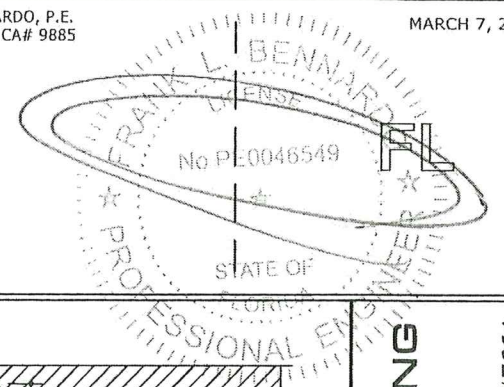
NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0519.01
Expiration Date 10/20/2030
By Healy A. Mark
Miami Dade Product Control

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



MARCH 7, 2024



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[illegible]

23-59904

SCALE: NTS UNLESS NOTED

11 18

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

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

ANCHOR SPACING SCHEDULES: INTERIOR 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

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

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

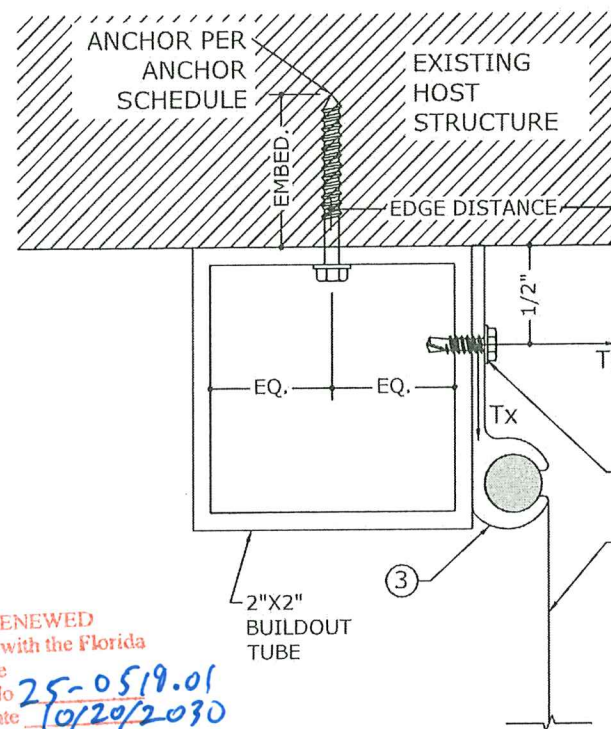
SPAN	4000 PSI MIN CONCRETE				HOLLOW AND GROUT-FILLED CONCRETE BLOCK			
	DESIGN PRESSURE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	10.0	10.0	10.0	10.0	5.2	5.9	6.8	8.3
6'-0"	9.6	10.0	10.0	10.0		4.5	5.2	6.3
8'-0"	7.7	8.9	10.0	10.0			4.3	5.2
10'-0"	6.5	7.5	8.9	10.0				4.5
12'-0"	5.7	6.5	7.7	9.6				
14'-0"	5.1	5.8	6.9	8.5				
14'-8"	4.9	5.6	6.7	8.3				
16'-0"	4.6	5.3	6.2	7.7				
17'-0"	4.4	5.0	5.9	7.4				
18'-2"	4.1	4.8	5.7	7.0				

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Expiration Date 10/20/2030
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Miami Data Product Control

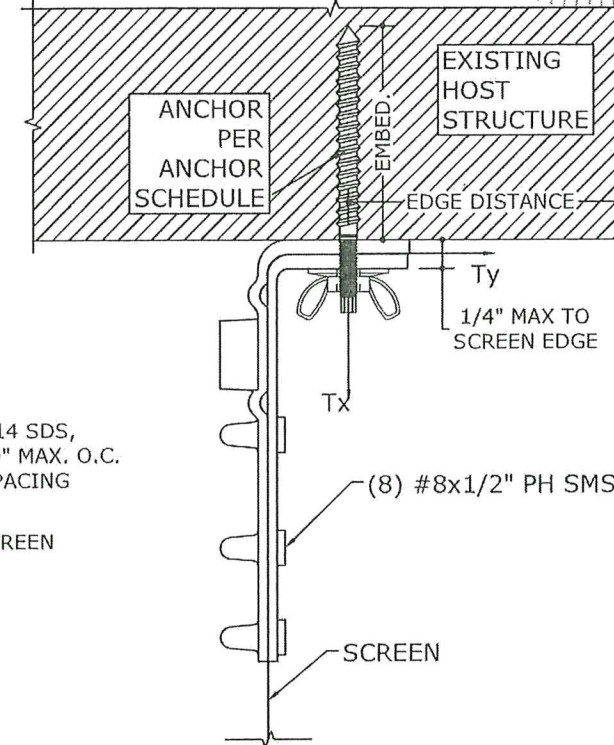
NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

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"	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

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



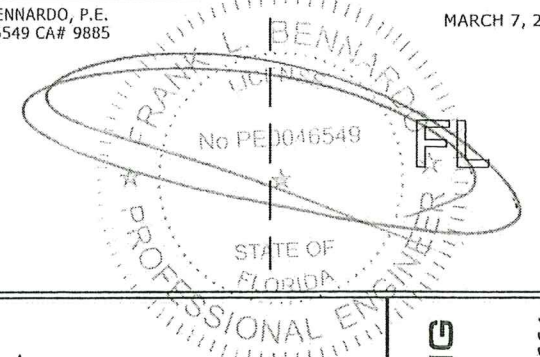
INTERIOR MOUNT -
CLIP CONDITION
N.T.S. SECTION VIEW

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

SPAN	3000 PSI MIN CONCRETE			
	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"	10.0	10.0	10.0	10.0
17'-0"	9.9	10.0	10.0	10.0
18'-2"	9.3	10.0	10.0	10.0

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PE# 0046549 CA# 9885

MARCH 7, 2024



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REMARKS	DRWN	CHKD	DATE
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NOA REV. APP	MRT	ER/RN	03/04/24
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23-59904

SCALE: NTS UNLESS NOTED

12 OF 18

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 /2024 4:54 PM MILTON

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

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

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

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

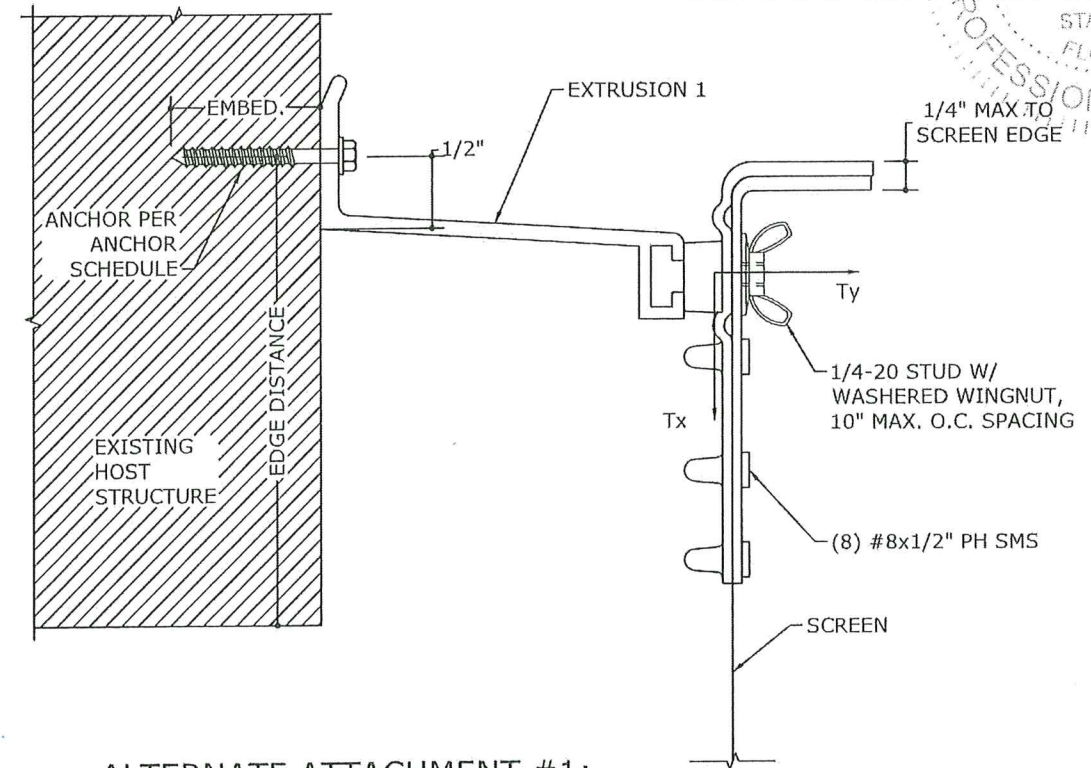
SPAN	3350 PSI MIN CONCRETE				HOLLOW AND GROUT-FILLED CONCRETE BLOCK				G=0.55 MIN. WOOD			
	DESIGN PRESSURE				DESIGN PRESSURE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	4.3	4.9	5.7	7.0						4.5	5.3	6.4
6'-0"			4.3	5.3								4.9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

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

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: 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"	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



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	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				

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Expiration Date 10/20/2030
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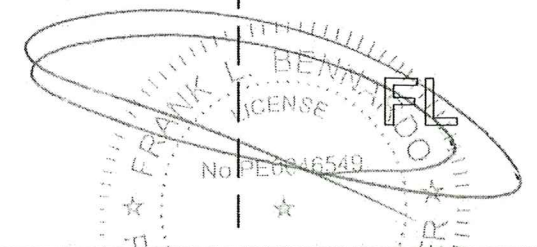
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as complying with the Florida
Building Code
Acceptance No. 24-0401.02
Expiration Date 10/20/2025
By H. G. A. M. M.
Miami Dade Product Control

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

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				

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

MARCH 7, 2024



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PREV. SUBMITTAL (20-25194)	10/19/20	CB	IRVN	10/19/20					
NOA REV APP		MRT	ER/RN	03/04/24					

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ALTERNATE ATTACHMENT #2:
EXTRUSION 2 (F TRACK) MOUNT

N.T.S. SECTION VIEW

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Expiration Date 10/20/2030
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1/4" DEWALT HOLLOW-SET DROP-IN 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'-0"				4.1				

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

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Expiration Date 10/20/2025
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Miami Dept. 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

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

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

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

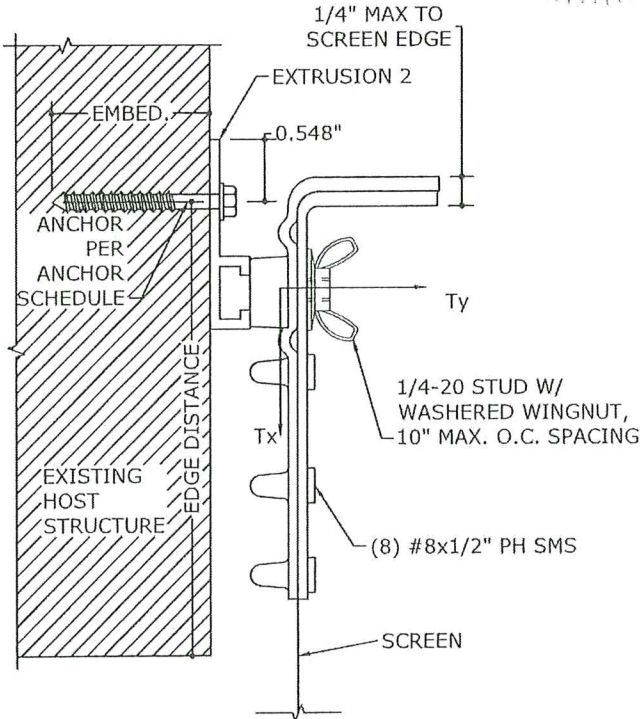
SPAN	1/4" DEWALT POWER-STUD ANCHOR SCHEDULE - EXTRUSION 2 MOUNT (IN. O.C.)				GROUT-FILLED CONCRETE BLOCK			
	4000 PSI MIN CONCRETE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	12.0	12.0	12.0	12.0	8.1	9.4	11.2	12.0
6'-0"	9.2	10.8	12.0	12.0	5.8	6.7	8.1	10.2
8'-0"	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: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

SPAN	1/4" DEWALT STEEL DROPIN ANCHOR SCHEDULE EXTRUSION 2 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"	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

SPAN	3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE EXTRUSION 2 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"	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



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

PRODUCT RENEWED
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Acceptance No 25-0519.01
Expiration Date 10/20/2030
By H. J. A. Miller
Miami Dade Product Control

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Acceptance No 24-0401.02
Expiration Date 10/20/2025
By H. J. A. Miller
Miami Dade Product Control

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MARCH 7, 2024

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No PE0046549
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REMARKS	DRWN	CHKD	DATE
PREV SUBMITTAL (20-29194) CCB	IRWN		10/19/20
NOA REV. APP	MRT	IR/RI	03/04/24

23-59904

SCALE: NTS UNLESS NOTED

15 OF 18

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

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

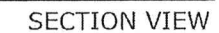
NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

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Acceptance No. 25-0519-01
Expiration Date 10/29/2030
By: *Heather M. M.*
Miami Dade Product Control

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



(continued)

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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	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"	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	4000 PSI MIN CONCRETE			
	DESIGN PRESSURE			
	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	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"	10.3	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								
18'-2"			4.6	5.7								

NOTE: FOR THE ABOVE 1/4" DEWALT PANELMATE TVAS ANCHOR SCHEDULE:
- 1/4" Ø OR 5/16" Ø DEWALT (FORMERLY ELCO) ULTRA-CON+ MAY BE USED AT THE SAME ANCHOR SPACING VALUES AS SHOWN ABOVE.
- 5/16" Ø OR 3/8" Ø 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	4000 PSI MIN CONCRETE			
	DESIGN PRESSURE			
	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

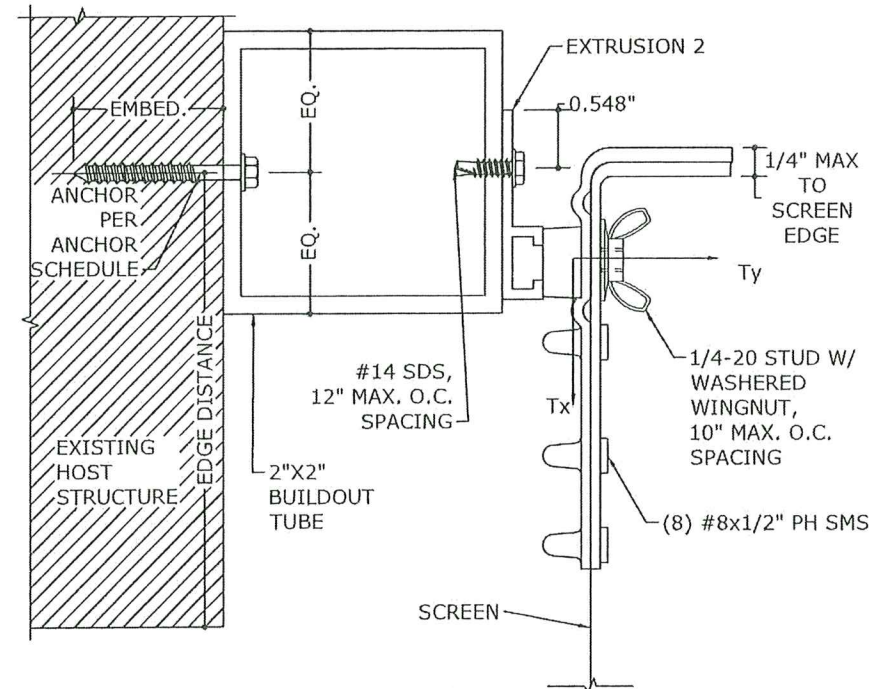
NOTE: PRESSURES LISTED IN THIS TABLE ARE ALLOWABLE (ASD) PRESSURES

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

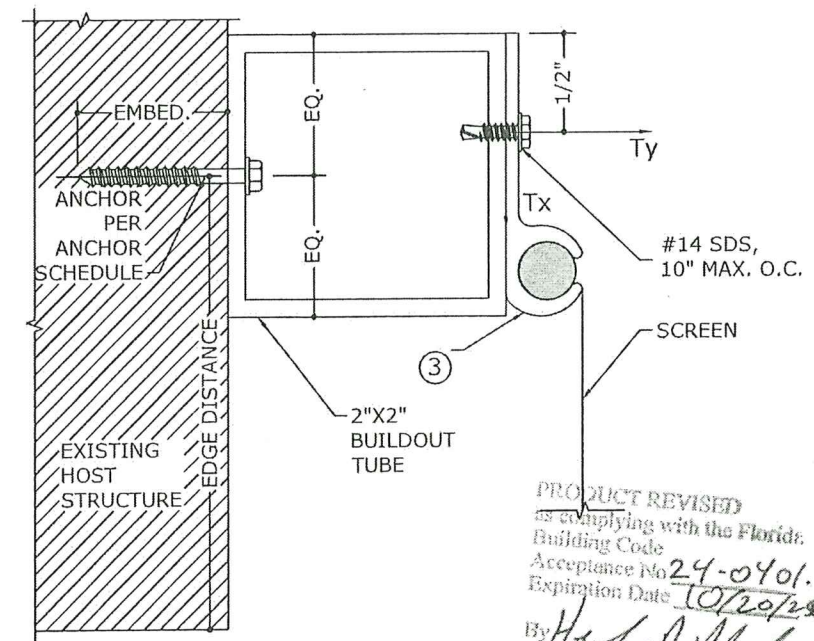
SPAN	4000 PSI MIN CONCRETE				GROUT-FILLED CONCRETE BLOCK			
	DESIGN PRESSURE				DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	8.4	9.6	11.3	12.0	5.4	6.1	7.1	8.8
6'-0"	6.3	7.2	8.4	10.4	4.0	4.6	5.4	6.6
8'-0"	5.1	5.8	6.9	8.4			4.4	5.4
10'-0"	4.4	5.0	5.8	7.2				4.6
12'-0"		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				



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

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

MARCH 7, 2024

FRANK L. BENNARDO
No PE0016549
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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DELRAY BEACH, FL 33444

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ASTRO GUARD
WIND ABATEMENT SYSTEM

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

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-29/14)	CCB	RVN	10/19/20
NOA REV. APP	MRT	ER/RN	03/04/24

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TERMINOLOGY:

THE FOLLOWING ABBREVIATIONS MAY APPEAR IN THIS APPROVAL:

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