# ASTROGUARD WIND ABATEMENT SYSTEM

## **GENERAL NOTES**

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) 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. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. 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. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR. PANELS HAVE BEEN DESIGN WITH A TOTAL 2" PRE-LOAD SLACK.

5. 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.

6. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.

7. 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.

8. ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6, U.N.O.

9. UNLESS OTHERWISE NOTED HEREIN, ALL SCREWS SHALL BE 304 OR 316 STAINLESS STEEL OR CORROSION RESISTANT COATED SAE GR. 5 CARBON STEEL.

10. MAXIMUM PANEL SPAN: 18'-2"

11. MAXIMUM ALLOWABLE DESIGN PRESSURE: ±60 PSF

12. PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL CONTAINING THE FOLLOWING:

BEL PER PANEL CONTAINING THE FOLLOWING: HURRICANE FABRIC.COM LLC

PO BOX 50153 CLAYTON, MD 63105

TAS 201, 202, 203

FLORIDA PRODUCT APPROVAL NUMBER

13. HURRICANE FABRIC PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY AS APPLICABLE.

14. DISSIMILAR MATERIALS SHALL BE INSULATED FROM TO PREVENT CORROSION AND ELECTROLYSIS AS NECESSARY.

15. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

#### RETENTION CLIP END CONNECTOR:

RHODIA ENGINEERING PLASTICS POLYAMIDE 66

#### 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 LBS, WEFT: 879 LBS BURST STRENGTH (ASTM D 3786): 1500 PSI ABRASION RESISTANCE (ASTM D 4886): 95% STRENGTH RETAINED

#### SEWING:

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





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







### VISIT ECALC.IO/29198

FOR SITE SPECIFIC DEVIATIONS & MORE INFORMATION ABOUT THIS DOCUMENT OR SCAN THIS QR CODE

VISIT ENGINEERINGEXPRESS.COM/STORE FOR ADDITIONAL PLANS, REPORTS & RESOURCES





1

18'-2"

					F #
MINIM	UM GLAZING	SEPARATIO	ON FROM GL	ASS	
		INSTALLATIO	ON SLACK		
PAN	POS	SITIVE DESI	GN LOAD (F	PSF)	
U-0"	+60 PSF	+50 PSF	+40 PSF	+ 30 PSF	
-0 5'-0"	11 13"	10.00"	9.88"	9.00"	
3'-0"	15.75"	14.88"	14.00"	12.75"	
0'-0"	20.88"	19.75"	18.38"	16.88''	
2'-0"	26.38"	24.88''	23.13"	21.13"	
4'-0"	32.13"	30.38"	28.25"	25.75''	
4'-8"	34.13"	32.38"	32.38"	32.38"	
6'-0"	38.25"	36.88"	36.88"	36.88"	
7'-0"	41.38"	39.00"	36.88"	36.88"	
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AD ON E	XISTING STR Tx = PAR	UCTURE FR ALLEL LOAD	OM SCREEN S (PLF)	N SYSTEM	
				CE)	
PAN	60	51GN PRESS	40	30	
l'-0"	235.4	208.5	179.6	148.3	
5'-0"	308.5	273.2	235.4	194.3	
3'-0"	373.7	330.9	285.2	235.4	
0'-0"	433.6	384.0	330.9	273.2	
2'-0"	489.7	433.6	373.7	308.5	
4'-0"	542.7	480.6	414.1	341.9	
4'-8"	559.8	495.7	427.2	352.6	
6'-0" 7' 0"	593.2	525.3	452.7	3/3./	
/-U	645.6	547.0	4/1.4	309.1 406.7	
8-2	045.0	571.7	492.7	406.7	
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DAN	DE	SIGN PRESS	SURE (+/- P	SF)_	E
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l'-0"	120.0	100.0	80.0	60.0	3
5'-0"	180.0	150.0	120.0	90.0	NBC NBC
3'-0"	240.0	200.0	160.0	120.0	
0'-0"	300.0	250.0	200.0	150.0	
∠'-0" 4'	360.0	300.0	240.0	180.0	
4 -U" 4'-8"	420.0	350.0	280.0	210.0	a
 6'-0"	480.0	400.0	320.0	220.0	ВK
7'-0"	510.0	425.0	340.0	255.0	A M B
	545.0	454.2	363.3	272.5	







STORM BAR NOTES:

- 1. THE STORM BAR SCHEDULES ON SHEET 5 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 3/4 AND 4/4, RESPECTIVELY.
- 3. 1" T-CLIP MOUNTS (DETAIL 5/4) SHALL BE ATTACHED PER THE ANCHOR SCHEDULE ON SHEET 5.
- 4. STORM BAR LENGTHS, SHAPES OR ATTACHMENT METHODS THAT ARE NOT DETAILED IN THIS DRAWING SHALL BE DESIGNED ON A SITE SPECIFIC BASIS.

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	08/04/20	TO STA	NAL ENTITI											
FNICINFFEINC	CORPORATE OFFICE: CORPORATE OFFICE: 160 SW 12th AVE, SUITE 106 DEERFIELD BEACH, FL 33442 (954) 334-060   (860) 396-999 (954) 334-060   (860) 396-999 TEAM@ENGINEERINGERV													
HIRRICANE FARRIC II C	1505 POINSETTIA DR, SUITE H-3	DELRAY BEACH, FL 33444 WWW.HURRICANEFABRIC.COM	ASTROGUARD WIND ABATEMENT SYSTEM NON-HVHZ AND HVHZ APPROVED - FL17661.1											
DATE 07/16/12	03/22/13 02/27/15	10/11/17 7/28/20												
CHKD	FLB TSB	FLB RWN												
DRWN KL	직입	RWN CCB												
REMARKS INIT ISSUE (14-2202)	REV COM. (12-HFC-04-02) REV. FBC 5TH (2014)	REV. FBC 6TH (2017) 2020 FBC												
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(2)-DEWALT DROP-INS PER DESIGN SCHEDULE. SEE NOTES HEREIN FOR ANCHOR REQUIREMENTS, TYP. 1" MIN.  $\bigcirc$  $\bigcirc$ SECTION A-A

SECTION

## STORM BAR SCHEDULES

2"x3"x1/8" STORM BAR													
	60	PSF	50 I	PSF	40	PSF	30 PSF						
MAX PANEL SPAN	MAX STORM BAR SPAN	END REACTION	MAX END STORM 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					

	2"x4"x1/8" STORM BAR													
	60	PSF	50	PSF	40	PSF	30	PSF						
MAX PANEL SPAN	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						

2"x5"x1/8" STORM BAR													
	60	PSF	50 F	PSF	40 I	PSF	30 PSF						
MAX PANEL SPAN	MAX STORM BAR SPAN	END REACTION	MAX STORM BAR SPAN 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					

	2"x6"x1/8" STORM BAR													
	60	PSF	50	PSF	40 F	PSF	30 PSF							
MAX PANEL SPAN	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						

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

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

ANCHOR SCHEDULE NOTES:

1. 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.

2. THIS ANCHOR SCHEDULE APPLIES ONLY TO 1" T-CLIP MOUNTS. DIRECT MOUNT AND 2" T-CLIP MOUNTS SHALL BE INSTALLED PER THE DETAILS ON SHEET 4.

3. ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.





## 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).

 WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
 MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.

7. ANCHOR SCHEDULE APPLIES TO ALL PRODUCTS CERTIFIED HEREIN, BUT ONLY PROVIDES MAXIMUM ALLOWABLE ANCHOR SPACING. MAXIMUM ALLOWABLE SPANS AND PRESSURES INDICATED IN SPAN SCHEDULE SHALL APPLY.

8. ALL CONCRETE ANCHOR SHALL BE INSTALLED TO NON-CRACKED CONCRETE ONLY. ALL EXISTING BLOCK SHALL BE ASTM C-90 MIN.

- 9. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
- 10. MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD ("SIDEWALK BOLT") U.N.O.
- 11. **2000** 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 CONRETE

12.8.2. 2" EMBEDMENT AND 5-1/4" EDGE DISTANCE TO GROUT-FILLED CONCRETE BLOCK

#### 12.9. 1/4" DEWALT PANELMATE TVAS

- 12.9.1. 2" EMBEDMENT AND 2-1/2" EDGE DISTANCE TO CONCRETE
- 12.9.2. 1-1/4" EMBEDMENT AND 3" EDGE DISTANCE TO HOLLOW AND GROUT-FILLED CONCRETE BLOCK
- 12.9.3. 1-7/8" EMBEDMENT AND 3/4" EDGE DISTANCE TO WOOD

#### 12.10. 1/4" DEWALT PANELMATE FEMALE ID

- 12.10.1. 1-3/4" EMBEDMENT AND 2-1/2" EDGE DISTANCE TO CONCRETE
- 12.10.2. 1-1/4" EMBEDMENT AND 3" EDGE DISTANCE TO HOLLOW AND GROUT-FILLED CONCRETE BLOCK
- 12.10.3. 1-7/8" EMBEDMENT AND 3/4" EDGE DISTANCE TO WOOD

		1/4"	' ITW SAMM	IY SSC AND	CHOR SCHE	DULE - INT	ERIOR MO	UNT COND	ITION (IN. C	).C.)		
	3	295 PSI MIN		E	HO	LLOW CON	CRETE BLC	CK	GROU	T-FILLED C	ONCRETE	BLOCK
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE			DESIGN P	RESSURE	
	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	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

¢												
		1.	/4" ITW SAN	MMY SSC A	NCHOR SC	HEDULE - V	VALL MOUN	IT CONDITI	ON (IN. O.C	.)		
	3	295 PSI MIN		E	НО	LLOW CON	CRETE BLC	CK	GROUT-FILLED CONCRETE BLOCK			
SPAN		DESIGN P	RESSURE		DESIGN PRESSURE					DESIGN P	RESSURE	
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF
4'-0"	10.0	10.0	10.0	10.0	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
6'-0"	10.0	10.0	10.0	10.0	7.2	8.2	9.7	10.0	8.3	9.4	10.0	10.0
8'-0"	10.0	10.0	10.0	10.0	5.8	6.7	7.8	9.7	6.8	7.7	9.0	10.0
10'-0"	10.0	10.0	10.0	10.0	4.9	5.6	6.7	8.2	5.8	6.6	7.7	9.4
12'-0"	10.0	10.0	10.0	10.0	4.3	4.9	5.8	7.2	5.1	5.8	6.8	8.3
14'-0"	9.0	10.0	10.0	10.0		4.4	5.2	6.4	4.6	5.2	6.1	7.4
14'-8"	8.7	10.0	10.0	10.0		4.2	5.0	6.2	4.4	5.0	5.9	7.2
16'-0"	8.2	9.4	10.0	10.0			4.7	5.8	4.1	4.7	5.5	6.8
17'-0"	7.8	9.0	10.0	10.0			4.5	5.6		4.5	5.3	6.5
18'-2"	7.4	8.5	10.0	10.0	\//////////////////////////////////////		4.3	5.3		4.3	5.1	6.2

	1/4" DEWALT PANELMATE (MALE OR FEMALE) ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.)												
SDAN	3	323 PSI MIN		E	HOLLOW AND GROUT-FILLED CONCRETE BLOCK					G=0.55 M	IN. WOOD		
SFAN		DESIGN P	RESSURE			DESIGN P	RESSURE			DESIGN P	RESSURE		
	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 10										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	0.0 4.2 5.2 4.7 5.5 6.7						6.7	8.6	
17'-0"	6.6	7.7	9.2	10.0	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	

	14" DEWALT DANIEL MATE (MALE OR FEMALE) ANOLOR SOLEDULE, MALE MOUNT CONDITION (N. C.C.)												
	1/4	" DEWALT I	PANELMATI	E (MALE OF	R FEMALE),	ANCHOR S	CHEDULE -	WALL MOL	INT CONDI	tion (in. o	.C.)		
SDAN	3	323 PSI MIN	I CONCRET	E	HOLLOW	AND GROU BLC	T-FILLED C	ONCRETE		G=0.55 M	IN. WOOD		
SFAN		DESIGN P	RESSURE			DESIGN P	RESSURE			DESIGN P	RESSURE		
	60 PSF	50 PSF	40 PSF	30 PSF	F 60 PSF 50 PSF 40 PSF 30 PSF 60 PSF 50 PSF 40 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	4.1 5.1 4.3 4.9 5.8					
17'-0"	6.3	7.2	8.5	10.0	///////////////////////////////////////			4.9	4.1 4.7 5.6 6.				
18'-2"	6.0	6.8	8.1	10.0				4.7		4.5	5.3	6.6	

#		NK 004	BE 65	49	STA		D, P 98	E 85	
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1/4" DEWALT HOLLOW-SET DROPIN ANCHOR SCHEDULE										
INTERIOR MOUNT CONDITION (IN. O.C.)										
CDAN	4	000 PSI MIN		E	HOLLOW AND GROUT-FILLED CONCRETE BLOCK					
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE			
	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	V///////		X///////	X///////		
17'-0"	4.4	5.0	5.9	7.4	\///////					
18'-2"	4.1	4.8	5.7	7.0	\//////////////////////////////////////					

	1/4" DEWALT HOLLOW-SET DROPIN ANCHOR SCHEDULE WALL MOUNT CONDITION (IN. O.C.)										
CDAN	4	000 PSI MIN		E	HOLLOW AND GROUT-FILLED CONCRETE BLOCK						
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE				
	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				///////			

1/4" AL	1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.)									
SDAN	3(	DOO PSI MIN	I CONCRET	E	HOLLOW AND GROUT-FILLED CONCRETE BLOCK					
SPAN		DESIGN P	RESSURE		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		

1/4" /	1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.)										
CDAN	3	000 PSI MIN	I CONCRET	HOLLOW AND GROUT-FILLED CONCRETE BLOCK							
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE				
	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			

	1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.)											
	2700 PSI MIN CONCRETE				HOLLOW CONCRETE BLOCK			GROUT-FILLED CONCRETE BLOCK				
SPAN		DESIGN P	RESSURE			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 PSI
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

	1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN. O.C.)											
	2	700 PSI MIN	I CONCRET	E	НО	HOLLOW CONCRETE BLOCK			GROUT-FILLED CONCRETE BLOCK			
SPAN		DESIGN P	RESSURE		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 PS
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		4.6	5.4	6.8

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

	4	000 PSI MIN	I CONCRET	Е
SPAN		DESIGN P	RESSURE	
	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

1/4"	DEWALT	STEEL	DROPIN	ANCHOR	SCHEDULE
	WALL	MOUN	T CONDI	TION (IN. 🤇	D.C.)

	4	000 PSI MIN	I CONCRET	E
SPAN		DESIGN P	RESSURE	
	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

NOTE: SEE SHEET 7 FOR ANCHOR NOTES

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

	4000 PSI MIN CONCRETE							
SPAN		DESIGN P	RESSURE					
	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				

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

	4	000 PSI MIN	I CONCRET	E					
SPAN		DESIGN P	RESSURE						
	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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1/4" DE	1/4" DEWALT POWER-STUD ANCHOR SCHEDULE - INTERIOR MOUNT CONDITION (IN. O.C.)											
	4	000 PSI MIN	I CONCRET	E	GROUT-FILLED CONCRETE BLOCK							
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE					
	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				

I	1/4" [	DEWALT PO	OWER-STUI	D ANCHOR	SCHEDULE	E - WALL MO	DUNT CONI	DITION (IN.	0.C.)			
ſ		4	000 PSI MIN	I CONCRET	E	GROU	T-FILLED C	ONCRETE	BLOCK			
I	SPAN		DESIGN P	RESSURE		DESIGN PRESSURE						
ſ		60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF			
ſ	4'-0"	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0			
ſ	6'-0"	10.0	10.0	10.0	10.0	8.4	9.6	10.0	10.0			
ſ	8'-0"	10.0	10.0	10.0	10.0	6.8	7.7	9.1	10.0			
ſ	10'-0"	9.3	10.0	10.0	10.0	5.7	6.6	7.7	9.6			
ſ	12'-0"	8.1	9.3	10.0	10.0	5.0	5.7	6.8	8.4			
ſ	14'-0"	7.2	8.3	9.8	10.0	4.5	5.1	6.0	7.5			
ſ	14'-8"	7.0	8.0	9.5	10.0	4.3	4.9	5.8	7.2			
ſ	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			
l	18'-2"	5.9	6.8	8.1	10.0	///////////////////////////////////////	4.2	5.0	6.2			

	1	/4" DEWAL	T PANELMA	TE FEMAL	E ID ANCHO	OR SCHEDU	ILE - INTER	IOR MOUN	T CONDITIO	ON (IN. O.C.	.)	
CDAN	3	350 PSI MIN	I CONCRET	E	HOLLOW	AND GROU BLC	T-FILLED C	ONCRETE		G=0.55 M	IN. WOOD	
SPAN		DESIGN P	RESSURE		DESIGN PRESSURE					DESIGN P	RESSURE	
	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"	-0" 6.6 7.7 9.2 10.0 6.6 7.7 9.2 6.3 8.1									8.1		
18'-2"	6.2	7.2	8.7	10.0				4.7	4.2	4.9	6.0	7.7

	1/4" DEWALT PANEL MATE FEMALE ID ANCHOR SCHEDULE - WALL MOUNT CONDITION (IN O.C.)											
		1/4" DEWA	ALT PANELI	MATE FEM/	ALE ID ANC	HOR SCHE	DULE - WAI	L MOUNT	CONDITION	(IN. O.C.)		
SDAN	3	350 PSI MIN		E	HOLLOW	AND GROU BLC	T-FILLED C CK	ONCRETE		G=0.55 M	IN. WOOD	
SFAN		DESIGN P	RESSURE			DESIGN P	RESSURE		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		X/////////////////////////////////////	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		V///////		4.9	4.1	4.7	5.6	6.9
18'-2"	6.0	6.8	8.1	10.0		X/////////////////////////////////////		4.7		4.5	5.3	6.6

	1/4" ITW S/	AMMY SSC	ANCHOR S	CHEDULE	- EXTRUSIC	N 1 MOUN	T (IN. O.C.)	
	3	295 PSI MIN	I CONCRET	ΓE	GROU	T-FILLED C	ONCRETE I	BLOCK
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE	
	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	///////////////////////////////////////		X/////////////////////////////////////	
12'-0"	///////////////////////////////////////			4.6		///////////////////////////////////////	\//////	///////

1/4" DEW	1/4" DEWALT PANELMATE (MALE OR FEMALE) ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)														
CDAN	3:	3323 PSI MIN CONCRETE G=0.55 MIN. WOOD													
SPAN		DESIGN P	RESSURE		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													
8'-0"			\////////	4.3	///////////////////////////////////////		///////////////////////////////////////								

1/4" DI	1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)												
	2	700 PSI MIN	I CONCRET	E	GROU	T-FILLED C	ONCRETE I	BLOCK					
SPAN		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"													

		1/4" DEW	ALT PANEL	MATE TVA	S ANCHOR	SCHEDULE	- INTERIO	R MOUNT C	ONDITION	(IN. O.C.)			
CDAN	3:	350 PSI MIN		Ē	HOLLOW	AND GROU BLC	T-FILLED C CK	ONCRETE	G=0.55 MIN. WOOD				
SFAN		DESIGN P	RESSURE			DESIGN P	RESSURE			DESIGN PRESSURE			
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF	
4'-0"	10.0	10.0	10.0	10.0	9.5	10.0	10.0	10.0	10.0	10.0	10.0	10.0	
6'-0"	10.0	10.0	10.0	10.0	7.0	8.0	9.5	10.0	10.0	10.0	10.0	10.0	
8'-0"	10.0	10.0	10.0	10.0	5.7	6.5	7.7	9.5	8.6	10.0	10.0	10.0	
10'-0"	10.0	10.0	10.0	10.0	4.8	5.5	6.5	8.0	7.1	8.3	10.0	10.0	
12'-0"	10.0	10.0	10.0	10.0	4.2	4.8	5.7	7.0	6.0	7.1	8.6	10.0	
14'-0"	9.7	10.0	10.0	10.0		4.3	5.0	6.3	5.3	6.2	7.5	9.6	
14'-8"	9.4	10.0	10.0	10.0	\///////	4.1	4.9	6.1	5.0	5.9	7.2	9.2	
16'-0"	8.7	10.0	10.0	10.0	\//////////////////////////////////////		4.6	5.7	4.7	5.5	6.7	8.6	
17'-0"	8.3	9.6	10.0	10.0	\///////		4.4	4.4	5.2	6.3	8.1		
18'-2"	7.9	9.1	10.0	10.0		///////////////////////////////////////	4.1	5.2	4.2	4.9	6.0	7.7	

		1/4" DE	WALT PAN	ELMATE T\	AS ANCHO	R SCHEDU	LE - WALL	MOUNT CO	NDITION (II	V. O.C.)			
SDAN	3:	350 PSI MIN	I CONCRET	E	HOLLOW	AND GROU BLC	T-FILLED C	ONCRETE		G=0.55 MIN. WOOD			
SFAN		DESIGN P	RESSURE			DESIGN P	RESSURE		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									7.2			
17'-0"	8.2	9.5	10.0	10.0	VII::///	///////////////////////////////////////	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	



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			1/4" ITW S/	AMMY SSC	ANCHOR S	CHEDULE	- EXTRUSIC	ON 2 MOUN	T (IN. O.C.)			
	3	295 PSI MIN	I CONCRET	E	НО	HOLLOW CONCRETE BLOCK GROUT-FILLED CONCRETE BLOC						
SPAN		DESIGN PRESSURE				DESIGN P	RESSURE			DESIGN P	RESSURE	
	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	V///////	///////////////////////////////////////	\//////////////////////////////////////	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			<i>\////////////////////////////////////</i>				4.1	5.2
18'-2"	4.9	5.7	6.9	8.8							///////////////////////////////////////	4.9

	1	/4" DEWAL	T PANELMA	TE (MALE	OR FEMALE	) ANCHOR	SCHEDULE	E - EXTRUS	ION 2 MOU	NT (IN. O.C	.)	
SDAN	3	323 PSI MIN	I CONCRET	E	HOLLOW	HOLLOW AND GROUT-FILLED CONCRETE BLOCK G=0.55 MIN. WOOD						
SFAN		DESIGN P	RESSURE			DESIGN P	RESSURE			DESIGN P	RESSURE	
	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

	1	/4" DEWAL1	FHOLLOW- EXTRUSIC	SET DROP DN 2 MOUN	IN ANCHOR IT (IN. O.C.)	SCHEDUL	E		
CDAN	4	DOO PSI MIN	I CONCRET	E	HOLLOW AND GROUT-FILLED CO BLOCK				
SPAN		DESIGN P	RESSURE		HOLLOW AND GROUT-FILLED C BLOCK DESIGN PRESSURE 60 PSF 50 PSF 40 PSF 4.3 5.2				
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF		
4'-0"	8.5	9.9	12.0	12.0		4.3	5.2		
6'-0"	5.9	6.9	8.5	10.9		///////////////////////////////////////			
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					

		1/4" DI	EWALT PAN	IELMATE IN	SERT ANC	HOR SCHE	DULE - EXT	RUSION 2	MOUNT (IN	. O.C.)		
	2	700 PSI MIN	I CONCRET	E	НО	HOLLOW CONCRETE BLOCK GROUT-FILLED CC						BLOCK
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE			DESIGN P	RESSURE	
	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		<i>\////////</i>	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	///i:///	X/////////////////////////////////////		4.8
17'-0"		4.1	4.9	6.1				4.4				4.5
18'-2"	\//////////////////////////////////////		4.6	5.8				4.2				4.3

3/8" DEWALT STEEL DROPIN ANCHOR SCHEDULE EXTRUSION 1 MOUNT (IN. O.C.)													
4000 PSI MIN CONCRETE													
SPAN	SPAN 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									

1/4" ALL	1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)										
CDAN	3000 PSI MIN CONCRETE										
SFAN		DESIGN P	RESSURE								
	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"	8'-0" 4.4										

1/4" DEWALT STEEL DROPIN ANCHOR SCHEDULE EXTRUSION 1 MOUNT (IN. O.C.)												
	4000 PSI MIN CONCRETE											
SPAN		DESIGN P	RESSURE									
	60 PSF	50 PSF	40 PSF	30 PSF								
4'-0"	4.0	4.0 4.6 5.3 6.5										
6'-0"		4.0 4.9										

1/4	1/4" DEWALT POWER-STUD ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)											
	4	000 PSI MIN	I CONCRET	E	GROU	T-FILLED C	ONCRETE	BLOCK				
SPAN		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										

1/4"	DEWALT PA	NELMATE	TVAS ANCH	IOR SCHEE	DULE - EXTR	RUSION 1 N	IOUNT (IN.	0.C.)					
3350 PSI MIN CONCRETE G=0.55 MIN. WOOD													
SPAN		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				X///////					
10'-0"				4.2				V//////					

	1/4" DEWALT PANELMATE FEMALE ID ANCHOR SCHEDULE - EXTRUSION 1 MOUNT (IN. O.C.)												
CDAN	3	350 PSI MIN	CONCRET	E	HOLLOW AND GROUT-FILLED CONCRETE BLOCK					G=0.55 M	IN. WOOD		
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE			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	///////////////////////////////////////	///////	X/////////////////////////////////////	X/////////////////////////////////////		4.5	5.3	6.4	
6'-0"	///////////////////////////////////////	4.3 5.3										4.9	
8'-0"			///////////////////////////////////////	4.3								///////////////////////////////////////	



F #		NK 002	BEI 165	49			P 98	E 85				
(	CORPORATE OFFICE: 160 SW 12th AVE, SUITE 106 DEERFIELD BEACH, FL 33442 (954) 354-060   (860) 396-9999 TEAM@ENGINEERINGEXPRESS.COM ENGINEERINGEXPRESS.COM											
	HURRICANE FABRIC, LLC		1202 POINSEILLA UK, SULLE H-3	DELRAY BEACH, FL 33444	WWW.HURRICANEFABRIC.COM		ASTROGUARD	WIND ABATEMENT SYSTEM	NON-HVHZ AND HVHZ APPROVED - FL17661.1			
DATE	07/16/12	03/22/13	02/27/15	10/11/17	7/28/20							
WN CHKE	FLB	E E	il TSB	VN FLB	B RWN							
REMARKS	INIT ISSUE (14-2202) KL	REV COM. (12-HFC-04-02) KL	REV. FBC 5TH (2014) CS	REV. FBC 6TH (2017) RV	2020 FBC CC							
L		2	0-	-2	9	19	9	8				
<u>9</u> -	CA AG	LE: E C	DES	<b>C</b> F	IP	TI	DN	 <u>l:</u>				
ŀ			_			_		1	2			
		[	ر 1			0	)					

1/4	ALL POIN	TS SOLID-S	ET ANCHO	R SCHEDU	LE - EXTRU	SION 2 MO	UNT (IN. O.	C.)	
CDAN	3	DOO PSI MIN	I CONCRET	E	HOLLOW AND GROUT-FILLED CONCRETE BLOCK				
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE		
	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	

		1/4" [	DEWALT PA	NELMATE	TVAS ANCH	IOR SCHEE	ULE - EXTR	RUSION 2 N	IOUNT (IN.	0.C.)		
CDAN	3	350 PSI MIN	I CONCRET	Ē	HOLLOW	AND GROU BLC	T-FILLED C CK	ONCRETE		G=0.55 M	IN. WOOD	
SFAN		DESIGN P	RESSURE			DESIGN P	RESSURE			DESIGN P	RESSURE	
	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	\///////	///////////////////////////////////////			///////////////////////////////////////	V//////	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	\///////	///////////////////////////////////////			////i///		///////////////////////////////////////	5.0
18'-2"	4.4	5.1	6.3	8.1								4.7

		1/4" DE\	NALT PANE	LMATE FE	MALE ID AN	ICHOR SCH	IEDULE - EX	TRUSION	2 MOUNT (	N. O.C.)		
CDAN	33	350 PSI MIN	I CONCRET	E	HOLLOW	AND GROU BLC	T-FILLED C	ONCRETE		G=0.55 M	IN. WOOD	
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE			DESIGN P	RESSURE	
	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	V///////	///////////////////////////////////////		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	V///:///						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	V///////	///////////////////////////////////////						5.0
18'-2"		4.3	5.2	6.6	///////////////////////////////////////	[]]]ii]]]						4.7

1/4" DEV	ALT STEEL EXTRUSIC	DROPIN A	NCHOR SC T (IN. O.C.)	HEDULE
	40	DOO PSI MIN	I CONCRET	E
SPAN		DESIGN P	RESSURE	
	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

3/8" DEW	ALT STEEL EXTRUSIO	. DROPIN A DN 2 MOUN	NCHOR SC T (IN. O.C.)	HEDULE
	4	DOO PSI MIN	I CONCRET	E
SPAN		DESIGN P	RESSURE	
	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

1/4	DEWALT	POWER-ST	UD ANCHO	R SCHEDU	LE - EXTRU	SION 2 MO	UNT (IN. O.	C.)
	4	000 PSI MIN	I CONCRET	E	GROU	T-FILLED C	ONCRETE I	BLOCK
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE	
	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			X/////////////////////////////////////	4.5
17'-0"		4.4	5.4	6.9	///////////////////////////////////////	///////////////////////////////////////	X////////	4.3
18'-2"		4.2	5.1	6.5			\/////////////////////////////////////	4.1

-	SC <u>P/</u> -	REMARKS	DRWN CHK	D DATE			#
		INIT ISSUE (14-2202)	KL FLB	07/16/12	HURRICANE FABRIC, LLC	ENGINEERING	PEC
[		REV COM. (12-HFC-04-02)	KL FLB	03/22/13		"ADDDDDDD"	08/0
ر ر	)-	REV. FBC 5TH (2014)	CSL TSB	02/27/15	1505 POINSELLIA UK, SUILE H-3		BE 165
	-2	REV. FBC 6TH (2017)	RWN FLB	10/11/17	DELRAY BEACH, FL 33444	CORPORATE OFFICE:	
Ľ	9 ur	2020 FBC	CCB RW	V 7/28/20	WWW.HURRICANEFABRIC.COM	160 SW 12th AVE, SUITE 106	AR CA
, 1	1 77			-		DEFRETEI D REACH EI 33447	
	9				ASTROGUARD		98 WAR 49
1	8 ] ¥				WIND ABATEMENT SYSTEM	TEAM@ENGINEERINGEXPRESS.COM	E 85
2					NON-HVHZ AND HVHZ APPROVED - FL17661.1	ENGINEERINGEXPRESS.COM	

		1	/4" ITW SAM	AMY SSC A	NCHOR SC	HEDULE - E	BUILD OUT	TUBE MOU	NT (IN. O.C	.)		
	3	295 PSI MIN	I CONCRET	E	НОІ	LLOW CON	CRETE BLC	OCK	GROU	T-FILLED C	ONCRETE E	BLOCK
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE			DESIGN P	RESSURE	
	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"	11.8	12.0	12.0	12.0	4.6	5.2	6.1	7.5	7.0	7.9	9.2	11.3
6'-0"	8.8	10.1	11.8	12.0			4.6	5.6	5.2	5.9	7.0	8.5
8'-0"	7.2	8.2	9.6	11.8				4.6	4.3	4.9	5.7	7.0
10'-0"	6.1	7.0	8.2	10.1						4.1	4.9	5.9
12'-0"	5.4	6.1	7.2	8.8	///////////////////////////////////////	///////////////////////////////////////					4.3	5.2
14'-0"	4.8	5.5	6.4	7.9								4.7
14'-8"	4.6	5.3	6.2	7.7			]]]];[]]]		///////////////////////////////////////			4.5
16'-0"	4.3	5.0	5.8	7.2								4.3
17'-0"	4.2	4.8	5.6	6.9								4.1
18'-2"		4.5	5.3	6.6							X///////	

1/4"	ALL POINTS	S SOLID-SE	T ANCHOR	SCHEDUL	E - BUILD C	UT TUBE I	MOUNT (IN.	0.C.)						FRANK BENNARD	O, PE
	31	000 PSI MIN		Е	HOLLOW	AND GROU	JT-FILLED C	ONCRETE						# PE0046349 CA	NN
SPAN			DECCUDE			BERICNU								UCENS	15 49 00 11 10 10 10 10 10 10 10 10 10 10 10
	60 PSF		AN PSF	30 PSF	60 PSF			30 PSF						K *	* COM
4'-0"	9.3	10.6	12.0	12.0	5.4	6.1	7.2	8.8						TRO STAT	EOF MIL
6'-0"	6.9	7.9	9.3	11.4	4.0	4.6	5.4	6.6						08/04/2029/SSION	AL
8'-0"	5.6	6.4	7.6	9.3			4.4	5.4							
10'-0"	4.8	5.5	6.4	7.9	V///////		X///////	4.6						0 9	N
12'-0"	4.2	4.8	5.6	6.9	\///////		X///////	4.0						1 🔁 1 🗄	4 -
14'-0"		4.3	5.0	6.2			X/////////////////////////////////////	XIIIIII							ຕັ້ງຈັດ
14'-8"		4.1	4.9	6.0	<b>\//////</b>	<i>411111</i>								<b>1 1 0</b> 8 5	1652
16'-0"	<u> </u>	<i>\///////</i>	4.6	5.6	<b>VIIIII</b>		XIIIII								336- 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
17-0	<del>\////////////////////////////////////</del>	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	4.4	5.4	\/////////////////////////////////////	X III III	XIIIII	XIIIIII						: ال <mark>الج</mark> ال	H. 8 H. 8
10-2	<u> ////////////////////////////////////</u>	///////////////////////////////////////	4.2	0.1	<u> X////////////////////////////////////</u>	X/////////////////////////////////////	<u> </u>	X/////////////////////////////////////	I						
					, r						l			<b>44</b>	
1/4" DEV	VALT STEEL		NCHOR SC	HEDULE		3/8" DE\A	ALT STEEL		ICHOR SCI	HEDULE				ESS PUL	
	BUILD OUT	TUBE MOU	NT (IN. O.C	.)		E	UILD OUT T	UBE MOUN	T (IN. O.C.	)					E S B I
	4			re	4 F		40		CONCRET	F				in the second se	R T
SPAN	4	DESIGN P	RESSURF	-	1 1	SPAN	+0	DESIGN PR	ESSURE	-					Щ I
	60 PSF	50 PSF	40 PSF	30 PSF	1 1		60 PSF	50 PSF	40 PSF	30 PSF					ц
4'-0"	8.5	9.7	11.4	12.0	1 1	4'-0"	12.0	12.0	12.0	12.0				P-1	
6'-0"	6.3	7.2	8.5	10.5	]	6'-0"	12.0	12.0	12.0	12.0					
8'-0"	5.1	5.9	6.9	8.5	] [	8'-0"	10.9	12.0	12.0	12.0					
10'-0"	4.4	5.0	5.9	7.2	] [	10'-0"	9.2	10.6	12.0	12.0					
12'-0"	<i>\         </i>	4.4	5.1	6.3	4 1	12'-0"	8.1	9.2	10.9	12.0					
14'-0"	<i>\        </i>	<i>                                     </i>	4.6	5.7	4	14'-0"	7.2	8.3	9.7	12.0					66
14'-8"	\/////////////////////////////////////	HHHH	4.4	5.5	4 1	14'-8"	7.0	8.0	9.4	11.6				59 5	F 1
10-0				5.I / Q	4 }	17-0"	6.2	7.5	8.8	10.9				IO ± ₊ δ	Σ르
17-0	<u>\////////////////////////////////////</u>	<i>\////////////////////////////////////</i>		4.5	1 1	18'-2"	5.9	6.8	8.0	9.9					
10 2	(//////////////////////////////////////	(//////////////////////////////////////	<u> </u>	1		10 2	0.0	0.0	0.0	0.0					~ % 2
														I Z ⅔ ⊑ Z	
1/4"	DEWALT PO	OWER-STU	D ANCHOR	SCHEDUL	E - BUILD C	UT TUBE I	MOUNT (IN.	0.C.)		1/4" DEV	ALT HOLLO	W-SET DRC	PIN	[[] 문문품	A E C
	4	000 PSI MIN		ΓE	GROU	T-FILLED (	CONCRETE	BLOCK			NCHOR SCH			I III E A S	ВЩ Р
SPAN		DESIGN P	RESSURE			DESIGN	PRESSURE						i.c.)		l ₹ ₩ ≱
41.01	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF			4000 PSI I	MIN CONCR	ETE		
4-0 6'-0"	63	9.0	84	10.4	5.4 4.0	4.6	5.4	6.6	SPA	N	DESIGN		<b>F</b>	I O ¤ ⊒ ≩	An I
8'-0"	5.1	5.8	6.9	8.4			4.4	5.4		60 PS	SE 50 PSI		= 30 PSF	l E S ⊓ ≷	≥ Ņ
10'-0"	4.4	5.0	5.8	7.2				4.6	4'-0"	5.0	5.7	6.7	8.2		Ì
12'-0"		4.4	5.1	6.3	V///////			4.0	6'-0"		4.3	5.0	6.2		Ī
14'-0"			4.6	5.6			XIIIII		8'-0"			4.1	5.0	イ	₽ S
14'-8"	¥/////////////////////////////////////		4.4	5.5	\//////		XIIIII	XIIIIII	10'-0	"		[[]][]][][][][][][][][][][][][][][][][][	4.3		
16'-0"	\//i///	///////////////////////////////////////	4.2	5.1	<i>\////////////////////////////////////</i>	4/////		<i>\\\\\\\\</i>							
17'-0"	<u> </u>	\/////////////////////////////////////	X/////////////////////////////////////	4.9	<u> </u>		XIIIII								
10-2	<u> ////////////////////////////////////</u>	///////////////////////////////////////	<u> </u>	4./	<u> </u>	V/////////////////////////////////////	<u>N////////////////////////////////////</u>	<u> ////////////////////////////////////</u>	I					20 4 4 2 3 3 3 5 W	
														716/ 71/16/ 71/11/ 728/7	
														- <u> </u>	
		1/4" DE	EWALT PAN	ELMATE T	VAS ANCHO	R SCHED	ULE - BUILD	OUT TUBE	MOUNT (II	N. O.C.)				¥¤¤¤₿¤≷	
	2	350 DCI MIN			HOLLOW	AND GROU	JT-FILLED C	ONCRETE		G-0 55 •					
	J 3.	550 FST 1011		Ľ		BL	ОСК			G=0.00 N					
SPAN						DESIGN	PRESSURE			DESIGN	PRESSURE			<u>axxoxo</u>	
SPAN		DESIGN P	RESSURE												
SPAN	60 PSF	DESIGN P 50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF	00 PSF	50 PSF	40 PSF	30 PSF		3	
SPAN 4'-0"	60 PSF 10.3	DESIGN P 50 PSF 11.8	40 PSF 12.0	30 PSF 12.0	60 PSF	50 PSF 4.2	40 PSF 4.9	30 PSF 6.1	6.7	50 PSF 7.6	40 PSF 8.9	30 PSF 10.9		7C-04-02) 014) 017)	
SPAN 4'-0" 6'-0"	60 PSF 10.3 7.7 6 2	DESIGN P 50 PSF 11.8 8.8 7 1	ARESSURE 40 PSF 12.0 10.3 8 4	30 PSF 12.0 12.0	60 PSF	50 PSF 4.2	40 PSF 4.9	6.1 4.5	6.7 6.1 <u>4</u> 1	50 PSF 7.6 5.8 4 7	40 PSF 8.9 6.7	30 PSF 10.9 8.2 6 7		8 14-2202) 12-HFC-04-02 H (2017)	
SPAN 4'-0" 6'-0" 8'-0" 10'-0"	60 PSF 10.3 7.7 6.2 5.3	DESIGN P 50 PSF 11.8 8.8 7.1 6.1	PRESSURE 40 PSF 12.0 10.3 8.4 7.1	30 PSF 12.0 12.0 10.3 8.8	60 PSF	50 PSF 4.2	40 PSF 4.9	6.1 4.5	6.7 6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7	30 PSF 10.9 8.2 6.7 5.8		LRKS SUE (14-2202) M. (12-HFC-04-02 M. (12-HFC-04-02) M. (12-HFC-04-02 M. (12-HFC-04-02) M. (12-	
SPAN 4'-0" 6'-0" 8'-0" 10'-0" 12'-0"	60 PSF 10.3 7.7 6.2 5.3 4.6	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3	ARESSURE 40 PSF 12.0 10.3 8.4 7.1 6.2	30 PSF 12.0 12.0 10.3 8.8 7.7	60 PSF	50 PSF 4.2	40 PSF 4.9	6.1 4.5	60 PSF 6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7 4.1	30 PSF 10.9 8.2 6.7 5.8 5.1		EMARKS TISSUE (14-2202) V COM (12-HF2:04-02 V FBC 5TH (2014) V FBC 6TH (2017) 0 FBC	
SPAN 4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7	PRESSURE 40 PSF 12.0 10.3 8.4 7.1 6.2 5.6	30 PSF 12.0 12.0 10.3 8.8 7.7 6.9	60 PSF	50 PSF 4.2	40 PSF 4.9	30 PSF 6.1 4.5	60 PSF 6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7 4.1	30 PSF 10.9 8.2 6.7 5.8 5.1 4.5		REMARKS INITISSUE (14.2202) REV COM. (12-HFC-04-02 REV. FBC 5TH (2014) REV. FBC 6TH (2017) 2020 FBC	
SPAN 4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 14'-8"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1 4.0	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6	RESSURE 40 PSF 12.0 10.3 8.4 7.1 6.2 5.6 5.4	30 PSF 12.0 12.0 10.3 8.8 7.7 6.9 6.7	60 PSF	50 PSF 4.2	40 PSF 4.9	30 PSF 6.1 4.5	6.7 6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7 4.1	30 PSF           10.9           8.2           6.7           5.8           5.1           4.5           4.4		REMARKS INIT ISSUE (14-2202) REV COM. (12-HFC-04-02 REV. FBC 5TH (2014) REV. FBC 6TH (2017) 2020 FBC	
SPAN 4'-0" 8'-0" 10'-0" 12'-0" 14'-0" 14'-8" 16'-0"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1 4.0	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6 4.3	RESSURE 40 PSF 12.0 10.3 8.4 7.1 6.2 5.6 5.4 5.1	30 PSF 12.0 10.3 8.8 7.7 6.9 6.7 6.2	60 PSF	50 PSF 4.2	40 PSF 4.9	30 PSF 6.1 4.5	60 PSF 6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7 4.1	30 PSF 10.9 8.2 6.7 5.8 5.1 4.5 4.4 4.1		REMARKS INIT ISSUE (14-2202) REV COM. (12-HFC-04-02 REV. FBC 5FH (2014) REV. FBC 5FH (2017) 2020 FBC	198
SPAN 4'-0" 6'-0" 10'-0" 12'-0" 14'-0" 14'-8" 16'-0" 17'-0"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1 4.0	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6 4.3 4.1	RESSURE 40 PSF 12.0 10.3 8.4 7.1 6.2 5.6 5.4 5.1 4.8	30 PSF 12.0 10.3 8.8 7.7 6.9 6.7 6.2 6.0	60 PSF	50 PSF 4.2	40 PSF 4.9	30 PSF 6.1 4.5	6.7 6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7 4.1	30 PSF 10.9 8.2 6.7 5.8 5.1 4.5 4.4 4.4 4.1		REMARKS INIT ISSUE (14-2202) REV COM. (12-HFC-04-02 REV FBC 5FH (2014) REV FBC 6FH (2017) 2020 FBC	198
SPAN 4'-0" 6'-0" 10'-0" 12'-0" 14'-0" 14'-8" 16'-0" 17'-0" 18'-2"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1 4.0	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6 4.3 4.1	RESSURE 40 PSF 12.0 10.3 8.4 7.1 6.2 5.6 5.4 5.1 4.8 4.6	30 PSF 12.0 12.0 10.3 8.8 7.7 6.9 6.7 6.9 6.7 6.2 6.0 5.7	60 PSF	50 PSF 4.2	40 PSF 4.9	30 PSF 6.1 4.5	6.7 6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7 4.1	30 PSF           10.9         8.2           6.7         5.8           5.1         4.5           4.4         4.1		REMARKS           INT ISSUE (4-2202)           INT ISSUE (4-2202)           REV COM, (12-HEC-04-02)           REV FBC 5FH (2017)           REV FBC 6FH (2017)           REV FBC 6FH (2017)	198
SPAN 4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-8" 16'-0" 17'-0" 18'-2"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1 4.0	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6 4.7 4.6 4.3 4.1	RESSURE           40 PSF           12.0           10.3           8.4           7.1           6.2           5.6           5.4           5.1           4.8           4.6	30 PSF 12.0 12.0 10.3 8.8 7.7 6.9 6.7 6.2 6.0 5.7	60 PSF	50 PSF 4.2	40 PSF 4.9	30 PSF 6.1 4.5	6.7 6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7 4.1	30 PSF           10.9         8.2           6.7         5.8           5.1         4.5           4.4         4.1		REMARKS           INTISSUE (4-2202)           INTISSUE (4-2202)           REV FOLOM (12-HEC.04.02)	198
SPAN 4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 14'-8" 16'-0" 17'-0" 18'-2"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1 4.0	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6 4.3 4.1	RESSURE 40 PSF 12.0 10.3 8.4 7.1 6.2 5.6 5.4 5.1 4.8 4.6	30 PSF 12.0 10.3 8.8 7.7 6.9 6.7 6.2 6.0 5.7	60 PSF	50 PSF 4.2	40 PSF 4.9	30 PSF 6.1 4.5	6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7 4.1	30 PSF           10.9           8.2           6.7           5.8           5.1           4.5           4.4           4.1		REMARKS           INIT ISSUE (14-2202)           REV COM. (12-HFC-04-02)           REV. FBC 5TH (2017)           REV. FBC 6TH (2017)           REV. FBC 6TH (2017)           2020 FBC	198 
SPAN 4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 14'-8" 16'-0" 17'-0" 18'-2"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1 4.0	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6 4.3 4.1	RESSURE 40 PSF 12.0 10.3 8.4 7.1 6.2 5.6 5.4 5.1 4.8 4.6	30 PSF 12.0 10.3 8.8 7.7 6.9 6.7 6.2 6.0 5.7	60 PSF	50 PSF 4.2	40 PSF 4.9	30 PSF 6.1 4.5	60 PSF 6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7 4.1	30 PSF 10.9 8.2 6.7 5.8 5.1 4.5 4.4 4.1		REMARKS INIT ISSUE (14-2202) INIT ISSUE (14-2202) REV FOR 5TH (2014) REV FBC 5TH (2014) REV FBC 5TH (2017) REV FBC 6TH (2017)	198 TION: 12
SPAN 4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 14'-8" 16'-0" 17'-0" 18'-2"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1 4.0	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6 4.3 4.1	RESSURE 40 PSF 12.0 10.3 8.4 7.1 6.2 5.6 5.4 5.1 4.8 4.6	30 PSF 12.0 10.3 8.8 7.7 6.9 6.7 6.2 6.0 5.7	60 PSF	50 PSF 4.2	40 PSF 4.9	30 PSF 6.1 4.5	6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7 4.1	30 PSF 10.9 8.2 6.7 5.8 5.1 4.5 4.4 4.1		REMARKS INTI ISSUE (14-2202) INTI ISSUE (14-2202) REV FIG 5TH (2014) REV FIG 5TH (2014) REV FIG 5TH (2017) REV FIG 5TH (2017)	198 1001: 12
SPAN 4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 14'-8" 16'-0" 17'-0" 18'-2" HEET 7 NOTES	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1 4.0	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6 4.3 4.1	RESSURE 40 PSF 12.0 10.3 8.4 7.1 6.2 5.6 5.4 5.1 4.8 4.6	30 PSF 12.0 12.0 10.3 8.8 7.7 6.9 6.7 6.2 6.0 5.7	60 PSF	50 PSF 4.2	40 PSF 4.9	30 PSF 6.1 4.5	6.7 6.7 5.1 4.1	50 PSF 7.6 5.8 4.7 4.0	40 PSF 8.9 6.7 5.5 4.7 4.1	30 PSF 10.9 8.2 6.7 5.8 5.1 4.5 4.4 4.1			198 198 12

	1/4	" DEWALT	PANELMAT	E (MALE O	R FEMALE)	ANCHOR S	CHEDULE -	- BUILD OU	т тиве мо	UNT (IN. O.	.C.)	
CDAN	3	323 PSI MIN		Ē	HOLLOW	AND GROU BLC	T-FILLED C CCK	ONCRETE		G=0.55 M	IN. WOOD	
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE			DESIGN P	RESSURE	
	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"	8.7	9.9	11.6	12.0		4.0	4.7	5.8	6.7	7.6	8.9	10.9
6'-0"	6.5	7.4	8.7	10.7				4.4	5.1	5.8	6.7	8.2
8'-0"	5.3	6.0	7.1	8.7					4.1	4.7	5.5	6.7
10'-0"	4.5	5.1	6.0	7.4						4.0	4.7	5.8
12'-0"		4.5	5.3	6.5							4.1	5.1
14'-0"		4.0	4.7	5.8		///////////////////////////////////////						4.5
14'-8"		<i>\//:////</i>	4.6	5.6							X/////////////////////////////////////	4.4
16'-0"			4.3	5.3						\$117.777		4.1
17'-0"			4.1	5.1	\//////////////////////////////////////					X///////		
18'-2"				4.8			///////////////////////////////////////			X///////	X///////	

1/4" DEWALT PANELMATE INSERT ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.)

HOLLOW CONCRETE BLOCK

DESIGN PRESSURE

50 PSF 40 PSF 30 PSF 60 PSF

GROUT-FILLED CONCRETE BLOCK

DESIGN PRESSURE 50 PSF 40 PSF 30 PSF

7.3

5.5

4.5

9.0

6.7

5.5

4.7

4.1

2700 PSI MIN CONCRETE

DESIGN PRESSURE

9.3

7.0

5.7

4.9

4.3

HHHHHH

11.11

60 PSF 50 PSF 40 PSF 30 PSF 60 PSF

10.9

8.2

6.7

5.7

5.0

4.5

4.3

4.1

12.0

10.0

8.2

7.0

6.1

5.5

5.3

5.0

4.8

4.6

SPAN

4'-0"

6'-0"

8'-0"

10'-0"

12'-0"

14'-0"

14'-8"

16'-0"

17'-0"

18'-2"

8.2

6.1

5.0

4.3

1//////

1111

1/4" DEV	BUILD OUT	TUBE MOU	NCHOR SC NT (IN. O.C.	HEDULE .)
	4	000 PSI MIN		E
SPAN		DESIGN P	RESSURE	
	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

-										0.05
0	UT TUBE N	<u>IOUNT (IN.</u>	0.C.)						# PE0046549 CA	# 9885
N A	AND GROU	H-FILLED C	ONCRETE						unit BE	NNA
	BLO								STARK UCEN	RE TROOM
	DESIGN F	RESSURE							U No PEOD	46549 *
:	50 PSF	40 PSF	30 PSF							EOF
	6.1	7.2	8.8						08/04/2020 Solo	RIDA ENGLIST
	4.6	5.4	6.6							initian .
		4.4	5.4							
$\pi$			4.6						CD D O	
$\forall$		X///////	40						9 0	4
H	///////////////////////////////////////	XIIIII								4 Σ-
4	HHHH	XHHH	X/////////////////////////////////////						TT in H	ကြစ္လင္ရ
Ĥ		XIII	XIII.//////////////////////////////////						H W H	1 % S C
4	//////////////////////////////////////	<u> </u>							<u>ដ</u> ល្អ ដូស	L SES
4	//////	XIIIIII	XIIIIII						<u> </u>	T SN L
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С										0 ¥6£
Т	3/8" DEW			ICHOR SCH					UUU ÖH	
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ľ	T	40	00 PSI MIN	CONCRET	E ]					ш́ F
	SPAN		DESIGN PR	ESSURE					<b>2</b>	
Γ		60 PSF	50 PSF	40 PSF	30 PSF				LUU A	-
F	4'-0"	12.0	12.0	12.0	12.0				101101	
F	6'-0"	12.0	12.0	12.0	12.0					
┢	8'-0"	10.9	12.0	12.0	12.0					
$\mathbf{F}$	10'-0"	a 2	10.6	12.0	12.0					
┢	12'0"	0.Z	0.0	10.0	12.0					
┢	12-0	0.1	9.2	10.9	12.0					
┢	14-0	7.2	8.3	9.7	12.0					66
┢	14'-8"	7.0	8.0	9.4	11.6				<b>ν</b> φ _	1
┢	16'-0"	6.5	7.5	8.8	10.9				U± §	
	17'-0"	6.2	7.1	8.4	10.4				Г Ц Н Р Ö	Ē
L	18'-2"	5.9	6.8	8.0	9.9				$\mathbf{C}$	<u>ה</u> און
									<b>                                      </b>	⊂ ‰ S
									<b>                                     </b>	[ 뜯 누 쭌]
0	UT TUBE N	IOUNT (IN.	0.C.)		1/4" DEW	ALT HOLLOV	N-SET DRC	PIN	ILI 불품별	BÉÉ
)U	F-FILLED C	ONCRETE	BLOCK		A	NCHOR SCH	IEDULE		lmfšð	ΝΨ́
	DESIGN F	PRESSURE			BUILD O	ОТ ТОВЕ МО	DUNT (IN. O	.C.)		티운동된
:	50 PSF	40 PSF	30 PSF			1000 DOL 1		FTF	I <b>S</b> ≈ ≈ ≈	NA B T
	6.1	7.1	8.8		.	4000 PSIN				I ≙ ₽
	4.6	5.4	6.6	SPAP	•	DESIGN	I PRESSUR	E		€₹
	///////////////////////////////////////	4.4	5.4		60 PS	F 50 PSF	- 40 PSF	- 30 PSF	I 🗖 छ ¯ ≷	I > H
			4.6	4'-0"	5.0	5.7	6.7	8.2		≥
$\pi$			4.0	6'-0"		43	5.0	6.2		<u>-</u>
$\forall$		X////////	X/////////////////////////////////////	8'-0"		hanin	41	5.0		Ō
H	///////////////////////////////////////	*//////////////////////////////////////		10'-0'		***	hanin			Z
#		X/////////////////////////////////////	X/////////////////////////////////////	10-0	///////	<u> </u>	<u> </u>	4.5		
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H	///////////////////////////////////////									
	///////////////////////////////////////	<u> </u>	<u> </u>	I					842333 8423 8423 8423 8428 8428 8428 842	
									111 122 1291 1401 1401 1401 1401 1401 1401 1401 14	
									7 0 8 8 0 <sup>2</sup>	
	D COUEDI			MOUNT /					⊈ <sub>m</sub> , <sub>m</sub> , <sub>m</sub> , <sub>z</sub>	
	ND ODOU				v. U.U.)				<u> 2 5 5 5 5 5 5</u>	
v /	AND GROU RLi	OCK	UNCKEIE		G=0.55 M	IN. WOOD			NA Zm	
						DECCIDE				
		AD DOC	20.005	60 D.05		AC DOC	20 0.05			
	50 PSF	40 PSF	30 454	00 PSF	50 PSF	40 40	100		5	
4	4.2	4.9		0./	1.0	0.9	10.9		888555	
4		XHI/////	4.5	5.1	5.8	0./	8.2		<u>5</u>	
1	//i///	X////////	¥///////	4.1	4.7	5.5	6.7		S S S S S S S S	
4	[[[][[]]]]]	X////////	X////////	<i>\  i    </i>	4.0	4.7	5.8			
	///////////////////////////////////////	X///////	X/////////////////////////////////////	///////////////////////////////////////		4.1	5.1			
	///////////////////////////////////////	X///////	XIII:////				4.5			
	<u>    i    </u>	<u>X////////////////////////////////////</u>	<u> ////////////////////////////////////</u>		<u>/////////////////////////////////////</u>		4.4			
	////:///	X/////////////////////////////////////	X///////	///////////////////////////////////////			4.1		20-29 <sup>°</sup>	198
	///////	X/////////////////////////////////////	\//////////////////////////////////////	///////////////////////////////////////	///////////////////////////////////////	X////////			SCALE:	
	///////////////////////////////////////					XIIIIX	///////		PAGE DESCRIP	TION:
									-	
									<u> </u>	
										40
										<b>)</b>

1/4"	ALL POINTS	S SOLID-SE	T ANCHOR	SCHEDUL	E - BUILD O	UT TUBE I	MOUNT (IN. 9	O.C.)						FRANK BENNAR	DO, PE
					HOLLOW	AND GROU	JT-FILLED C	ONCRETE	1					# PE0046549 CA	# 9885
CDAN	3	UUU PSI MIN	CONCRET	E		BL	оск							WINT DEN	NNAR
SPAN		DESIGN P	RESSURE			DESIGN	PRESSURE		1					EU NO PEOR	*****
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF	1					****	
4'-0"	9.3	10.6	12.0	12.0	5.4	6.1	7.2	8.8						08/04/2020 5510	ORIDA ENGLIST
6'-0"	6.9	7.9	9.3	11.4	4.0	4.6	5.4	6.6						- mini	mine
8'-0"	5.6	6.4	7.6	9.3			4.4	5.4							
10'-0"	4.8	5.5	6.4	7.9	VIIIII			4.6						9	Ņ
12'-0"	4.2	4.8	5.6	6.9	\///////	XIIIIII	X////////	4.0						7 8	4 -
14'-0"	<i>\       </i>	4.3	5.0	6.2		X/////////////////////////////////////	X/////////////////////////////////////	<i>   i   </i>						<b>E 8</b>	<u>ຫຼື ວິΣ</u>
14'-8"	<b>\//////</b>	4.1	4.9	6.0	<b>\//////</b>	<b>\/////</b>	XAAAAA	XIIIIIII						<b>1 1 0</b> 1 1 1	18 v V
16'-0"	<u> </u>	<u> </u>	4.6	5.6	<b>XIIIIII</b>		<u>Hiilli</u>	HIIII						ີ ສຸດ ອີງ	E 2 E S
17'-0"	<del>\////////////////////////////////////</del>	///////////////////////////////////////	4.4	5.4	\/////////////////////////////////////	<i>\/////</i>	XIIIII	XIIIIII	1					<u>ا اللاج</u>	H 8 2 4
18-2"	<u> </u>	///////////////////////////////////////	4.2	5.1	<u> ////////////////////////////////////</u>	X/////////////////////////////////////	<u> </u>	X/////////////////////////////////////	1					L _ L H H	
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					1 ſ									TILL KN	
1/4" DEV	WALL STEEL	. DROPIN A		HEDULE		3/8" DEW		UROPIN AN		NEDULE					HS®E.
			NT (IN: 0.0.	.)					IT (IN. 0.0.	)					
	4	000 PSI MIN		E			40	00 PSI MIN	CONCRET	E					
SPAN		DESIGN P	RESSURE		1	SPAN		DESIGN PF	RESSURE					9(	5
	60 PSF	50 PSF	40 PSF	30 PSF	1		60 PSF	50 PSF	40 PSF	30 PSF					
4'-0"	8.5	9.7	11.4	12.0		4'-0"	12.0	12.0	12.0	12.0					
6'-0"	6.3	7.2	8.5	10.5	1	6'-0"	12.0	12.0	12.0	12.0					1
8'-0"	5.1	5.9	6.9	8.5	1	8'-0"	10.9	12.0	12.0	12.0					1
10'-0"	4.4	5.0	5.9	7.2		10'-0"	9.2	10.6	12.0	12.0					I .
12'-0"	<i>\          </i>	4.4	5.1	6.3	1	12'-0"	8.1	9.2	10.9	12.0				LΓ	1 1
14'-0"	<i>\        </i>	<i>                                     </i>	4.6	5.7	4 1	14'-0"	7.2	8.3	9.7	12.0					99
14'-8"	\/////////////////////////////////////	\/////////////////////////////////////	4.4	5.5	4 1	14'-8"	7.0	8.0	9.4	11.6				<b>~</b> m _	Ê l
16'-0"	<u> </u>	///////////////////////////////////////	4.2	5.1	4 - 1-	16'-0"	6.5	7.5	8.8	10.9				U ± _ δ	I Σ <sup>ដ</sup>
17-0"	<b>\//////</b>			4.9	4	17'-0"	6.2	7.1	8.4	10.4				IIIE # 3	I ₽
18'-2"	///////////////////////////////////////	X/////////////////////////////////////	///////////////////////////////////////	4./	JL	18'-2"	5.9	0.8	8.0	9.9					N S E
															15.50
4.749								00)	ı 🔽				DIN	2 6 5 6	INE
1/4				SCHEDUL								-SET DRO FDI II F	PENN .	I ╙ ¤ þ ≷	18 <u>2</u> 3
SPAN	4			L				BLOOK		BUILD O	UT TUBE MOU	JNT (IN. O.	.C.)	IΠEBS	IKEE
	60 PSE	50 PSF	40 PSF	30 PSF	60 P.S.F	50 PSE	40 PSE	30 PSE				`	,		SB5
4'-0"	84	96	11.3	12.0	54	61	71	8.8			4000 PSI M	N CONCR	ETE	I <b>&lt;</b> ∄ ∄ ∄ ∃	1 2 9
6'-0"	6.3	7.2	8.4	10.4	4.0	4.6	5.4	6.6	SPA	N	DESIGN	PRESSUR	F	O ĕ ਜ਼ ≥	<u>1</u> 2 2
8'-0"	5.1	5.8	6.9	8.4			4.4	5.4		60 PS	SF 50 PSF	40 PSF			≥₽
10'-0"	4.4	5.0	5.8	7.2				4.6	4'-0'	5.0	5.7	6.7	8.2		I ₹
12'-0"		4.4	5.1	6.3				4.0	6'-0'	• /////	4.3	5.0	6.2		ÌŻ
14'-0"			4.6	5.6					8'-0'	• <i>\\\\\\\</i>		4.1	5.0	12	ļ ģ
14'-8"			4.4	5.5	\//////	X///////	X/////////////////////////////////////	\$///??///	10'-0	"	11/////////////////////////////////////	7//////////////////////////////////////	4.3		-
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4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 14'-8"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6	40 PSF 12.0 10.3 8.4 7.1 6.2 5.6 5.4	30 PSF 12.0 10.3 8.8 7.7 6.9 6 7		4.2	4.9	6.1 4.5	6.7 5.1 4.1	7.6 5.8 4.7 4.0	8.9           6.7           5.5           4.7           4.1	10.9 8.2 6.7 5.8 5.1 4.5 4.4		REMARKS INIT ISSUE (14-2202) REV COM. (12-HFC-04) REV FBC 5TH (2014) REV FBC 6TH (2017) 2020 FBC	
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4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 14'-8" 16'-0" 17'-0"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1 4.0	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6 4.3 4.1	40 PSF 12.0 10.3 8.4 7.1 6.2 5.6 5.4 5.1 4.8	30 PSF 12.0 12.0 10.3 8.8 7.7 6.9 6.7 6.2 6.0		4.2	4.9	6.1 4.5	6.7 5.1 4.1	7.6 5.8 4.7 4.0	8.9 6.7 5.5 4.7 4.1	10.9           8.2           6.7           5.8           5.1           4.5           4.4           4.1		REMARKS           INIT ISSUE (14-2202)           REV COM (12-HEC of REV. FBC 5TH (2014)           REV. FBC 6TH (2017)           2020 FBC	198
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4'-0" 6'-0" 8'-0" 10'-0" 12'-0" 14'-0" 14'-8" 16'-0" 17'-0" 18'-2"	60 PSF 10.3 7.7 6.2 5.3 4.6 4.1 4.0	DESIGN P 50 PSF 11.8 8.8 7.1 6.1 5.3 4.7 4.6 4.3 4.1	40 PSF 12.0 10.3 8.4 7.1 6.2 5.6 5.4 5.1 4.8 4.6	30 PSF 12.0 12.0 10.3 8.8 7.7 6.9 6.7 6.2 6.0 5.7				6.1 4.5	6.7 5.1 4.1	7.6 5.8 4.7 4.0	8.9 6.7 5.5 4.7 4.1	10.9           8.2           6.7           5.8           5.1           4.5           4.4           4.1		REMARKS           INIT ISSUE (14-2202)           REV COM. (12-HFC-04)           REV. FBC 6TH (2014)           REV. FBC 6TH (2014)           REV. FBC 6TH (2017)           2020 FBC	198
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1/4" DEWALT PANELMATE FEMALE ID ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.)													
CDAN	3350 PSI MIN CONCRETE				HOLLOW	AND GROUT BLC	T-FILLED CO CK	ONCRETE	G=0.55 MIN. WOOD				
SPAN		DESIGN P	RESSURE			DESIGN P	RESSURE		DESIGN PRESSURE				
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	0 PSF 50 PSF		30 PSF	60 PSF	50 PSF	40 PSF	30 PSF	
4'-0"	8.7	9.9	11.6	12.0		4.0	4.7	5.8	6.7	7.6	8.9	10.9	
6'-0"	6.5	7.4	8.7	10.7				4.4	5.1	5.8	6.7	8.2	
8'-0"	5.3	6.0	7.1	8.7					4.1	4.7	5.5	6.7	
10'-0"	4.5	5.1	6.0	7.4				///////////////////////////////////////	///////////////////////////////////////	4.0	4.7	5.8	
12'-0"	///////////////////////////////////////	4.5	5.3	6.5	///////////////////////////////////////						4.1	5.1	
14'-0"		4.0	4.7	5.8			///////////////////////////////////////				///:////	4.5	
14'-8"			4.6	5.6		///////////////////////////////////////	///////////////////////////////////////					4.4	
16'-0"			4.3	5.3				///////////////////////////////////////		///////////////////////////////////////		4.1	
17'-0"			4.1	5.1		///////////////////////////////////////		///////////////////////////////////////		///:///	///////////////////////////////////////		
18'-2"		///////////////////////////////////////	///////////////////////////////////////	4.8									

1/4" ALL POINTS SOLID-SET ANCHOR SCHEDULE - BUILD OUT TUBE MOUNT (IN. O.C.)									O, PE						
3000 PSI MIN CONCRETE HOLLOW AND GROUT-FILLED CONCRETE							1					# PE0046549 CA	# 9885		
SPAN BLOCK													STUTHE LEENS	NNARO	
		DESIGN P	N PRESSURE DESIGN PRESSURE						-					No PEOD	46549
41.01	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF	-					TRA STAT	EOF
4-0	9.3	7.0	12.0	12.0	5.4	0.1	7.Z	6.6	-					08/04/2020 SSION	ALENIN
8'_0"	5.6	6.4	9.5	03	4.0		J.4	5.0	-						
10'-0"	4.8	5.5	64	7.9	\/////////////////////////////////////			46	-					(n) <b>i</b> io	
12'-0"	4.2	4.8	5.6	6.9	\//////			4.0						S S	4
14'-0"		4.3	5.0	6.2											ω δΣ
14'-8"		4.1	4.9	6.0					1					E in Line	m g Ū Ō
16'-0"		X///i///	4.6	5.6											П 96 85
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18'-2"	<u> ////////////////////////////////////</u>		4.2	5.1	<u> </u>	X/////////////////////////////////////	X/////////////////////////////////////	<u> ////////////////////////////////////</u>							
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1/4" DEV		L DROPIN A		HEDULE	3/8" DEWALT STEEL DROPIN AND					HEDULE				U T	
				.)	BUILD OUT TUBE MOUNT					)					L 8 X V
	4	000 PSI MIN		E	4000 PSI MIN C					E					
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41.01	60 PSF	50 PSF	40 PSF	30 PSF	4 - 1-	(1.0)	60 PSF	50 PSF	40 PSF	30 PSF					
4'-0"	8.5	9.7	11.4	12.0	4 -	4'-0"	12.0	12.0	12.0	12.0					
6'-0"	6.3 E 4	1.2	8.5	10.5	╡┟	0'-U'	12.0	12.0	12.0	12.0					
8-0" 10'.0"	5.1	5.9	0.9 5.0	0.0 7.0	4 - 1-	0-0 <sup>-</sup>	0.9	10.6	12.0	12.0					
12'-0"		44	5.0	6.3	1	12'-0"	8.1	9.2	10.9	12.0					
14'-0"			4.6	5.7	1 1	14'-0"	7.2	8.3	9.7	12.0					51.
14'-8"		X///////	4.4	5.5	1 1	14'-8"	7.0	8.0	9.4	11.6					76
16'-0"			4.2	5.1	1 1	16'-0"	6.5	7.5	8.8	10.9				$\left  \left( \right) \right ^{2} + \sum_{i=1}^{n} \left  \left( \left( \right) \right)^{2} + \left( $	1 1
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1/4'	DEWALT P	OWER-STU	D ANCHOR	SCHEDUL	E - BUILD O		MOUNT (IN.	<u>0.C.)</u>	4	1/4" DEV		V-SET DRO	PIN	┃╙ ᡓᡓᇕ	[ 뒷 뿐 문
0.000	4	000 PSI MIN		E	GROU	T-FILLED C	ONCRETE	BLOCK	4 1	BUILD C	NUT TUBE MC	EDULE	c)	∣ш╞₫₫	<b> </b> 않 Ё 보
SPAN	60 DSE			30 DCE	60 DSE		AD DSE	30 DCE	┨ ╞───						I Z A Z
4'-0"	84	96	11 3	12.0	54	61	7 1	88	11		4000 PSI N	IIN CONCR	ETE		
6'-0"	6.3	7.2	8.4	10.4	4.0	4.6	5.4	6.6	SPAI	N	DESIGN	PRESSUR	F	I O ĕ ₫ ≱	
8'-0"	5.1	5.8	6.9	8.4			4.4	5.4		60 PS	SF 50 PSF	40 PSF			I ≥ ₽
10'-0"	4.4	5.0	5.8	7.2				4.6	4'-0"	' 5.0	5.7	6.7	8.2		I
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14'-0"			4.6	5.6	\//////				8'-0"			4.1	5.0	デ	<u></u>
14'-8"	<i>\   i   </i>		4.4	5.5	\//////	X/////////////////////////////////////	X/////////////////////////////////////	X/////////////////////////////////////	10'-0	* //////	///////////////////////////////////////	<u>                                     </u>	4.3		
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CDAN	3	350 PSI MIN	CONCREI	E		BL	оск			G=0.55 N	AIN. WOOD			8886\$	
SPAN		DESIGN P	RESSURE			DESIGN F	RESSURE			DESIGN	PRESSURE			<u> a</u> z z c <u>k</u> c	
	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF	60 PSF	50 PSF	40 PSF	30 PSF		<b>3</b>	
4'-0"	10.3	11.8	12.0	12.0	XIII//////	4.2	4.9	6.1	6.7	7.6	8.9	10.9		3 \$ E	
6'-0"	7.7	8.8	10.3	12.0	<i>\        </i>	¥######	XIII//////	4.5	5.1	5.8	6.7	8.2		20 HH - 20	
8'-0"	6.2	7.1	8.4	10.3	<i>\        </i>	X/////////////////////////////////////	X////////	X///////	4.1	4.7	5.5	6.7		SN S	
10'-0"	5.3	5.1	7.1	8.8	\/////////////////////////////////////	<i>\        </i>	X///////	<i>\        </i>	X///////	4.U	4./	5.8			
12-0"	4.0	0.3	0.2	1.1	<b>\//////</b> //////////////////////////////	XIII:///	X#####	X/////////////////////////////////////	XHHH	X///i///	4.1	5.1 4.5			
14-0	4.1	4.7	5.0	67	\/////////////////////////////////////	X/////////////////////////////////////	X/////////////////////////////////////	¥/////////////////////////////////////	XIII//////	X/////////////////////////////////////	XIIIA	4.5			
16'-0"		4.3	5.1	6.2	<del>\////////////////////////////////////</del>	X////////	X/////////////////////////////////////	X////////	X/////////////////////////////////////	X/////////////////////////////////////		4 1		20-20	102
17'-0"		4.1	4.8	6.0	<b>\/////</b> ///////////////////////////////	X/////////////////////////////////////	X/////////////////////////////////////	X/////////////////////////////////////	X/////////////////////////////////////	X///////	X///////			20-23	1.20
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NOTE: SEE FOR ANCHOR NOTES



## ENGINEERING EXPRESS<sup>®</sup> PRODUCT EVALUATION REPORT

July 27, 2020

Application Number:	FL17661.1-R3
EX Project Number:	20-29198
Product Manufacturer: Manufacturer Address:	Hurricane Fabric, LLC. PO Box 50153 Clayton, MD 63105

Product Name & Description: AstroGuard – Wind Abatement System

## Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Business and Professional Regulation (Florida Building Commission) Rule Chapter 61G20-3.005, F.A.C., for statewide acceptance per Method 1(d). The product noted above has been tested and/or evaluated as summarized herein to show compliance with the Florida Building Code Seventh Edition (2020) and is, for the purpose intended, at least equivalent to that required by the Code. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or revisions.

## Substantiating Data:

#### PRODUCT EVALUATION DOCUMENTS

EX drawing #20-29198 titled "AstroGuard – Wind Abatement System", sheets 1-12, by Engineering Express, signed & sealed by Frank L. Bennardo, P.E. is an integral part of this Evaluation Report.

#### <u>TEST REPORTS</u>

Uniform static structural performance has been tested in accordance with TAS 202-94 test standards per test report(s) #10-2522 by Fenestration Testing Laboratory, Inc. (FTL). Signed and Sealed by Marlin Brinson, P.E.

Large missile impact resistance and cyclic loading performance have been tested in accordance with TAS 201-94 & TAS 203-94 test standards per test report(s) #10-2522 by Fenestration Testing Laboratory, Inc. (FTL). Signed and Sealed by Marlin Brinson, P.E.

#### • STRUCTURAL ENGINEERING CALCULATIONS

Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational analysis to qualify the following design criteria:

- 1. Maximum Allowable Spans
- 2. Minimum Glass Separation
- 3. Anchor Spacing
- 4. Anchor Capacity

No 33% increase in allowable stress has been used in the design of this product.



Hurricane Fabric, LLC. - AstroGuard - Wind Abatement System

Separation from glazing is required for use within essential facilities, ASTM wind zone 4 and the high velocity hurricane zone (HVHZ).

### Impact Resistance:

Large Missile Impact Resistance has been demonstrated as evidenced in previously listed test reports, and is accounted for in the engineering design of this product.

## Wind Load Resistance

This product has been designed to resist wind loads as indicated in the span schedule(s) on the Product Evaluation Document (i.e. engineering drawing).

### Installation

The product listed above shall be installed in strict compliance with the Product Evaluation Document (i.e. engineering drawing), along with all components noted therein.

The product components shall be of the material specified in the Product Evaluation Document (i.e. engineering drawing).

## Limitations & Conditions of Use:

Use of this product shall be in strict accordance with the Product Evaluation Documents (the engineering drawing) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in this product's respective anchor schedule. Host structure conditions which are not accounted for in this product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times.

This product has been designed for use within and outside of the High Velocity Hurricane Zone (HVHZ).

Respectfully,



Frank Bennardo, PE ENGINEERING *EXPRESS*® #PE0046549 | Cert. Auth. 9885