

PROGRESSIVE SCREENS

MAGNATRACK HURRICANE SYSTEM

FABRIC ROLL SHUTTER

(HVHZ) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - ASTM E330-14
 - ASTM E1886-13
 - ASTM E1996-14
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. INSTALLATION OF ROLL DOWN MAY EITHER BE INSIDE OR OUTSIDE OF THE TIE BEAM.
6. ALL EXTRUSION MATERIAL: 6063-T6 ALUMINUM ALLOY, UNLESS OTHERWISE NOTED.
7. DESIGN AND OPERATION OF ROLL UP MECHANISM IS NOT PART OF THIS APPROVAL, MANUFACTURER SPECIFICATIONS SHOULD BE FOLLOWED. CARE SHOULD BE TAKEN WHEN SHUTTER IS IN MOTION ENSURING THAT PERSONAL INJURY OR DAMAGE TO THIS PRODUCT DOES NOT OCCUR.
8. FOR DESIGN PRESSURES SEE SHEET 2. SEE SHEETS 16, 18 AND 19 FOR DESIGN PRESSURES BASED ON MULLIONS.
9. HOOD ASSEMBLY IS IMPACT RATED AND CAN BE PLACED INSIDE FRAME OPENING AS AN EXPOSED FEATURE.
10. SHUTTER MANUFACTURER LABEL SHALL BE LOCATED IN A READILY VISIBLE LOCATION, PER FBC CHAPTER 17.

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. REFER TO ANCHOR SCHEDULE CHARTS ON SHEETS 7, 8, 10, 13, 17, AND 20 FOR ANCHOR TYPE, SUBSTRATE TYPE, EDGE DISTANCE AND MINIMUM EMBEDMENT.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
6. ASSEMBLY FASTENERS SHALL BE COATED WITH A HV COATING SYSTEM AS MANUFACTURED BY AN APPROVED COATING APPLICATOR.
7. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

9.A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

9.B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

9.C. GROUT FILLED MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MIN 2000 PSI.

9.D. STEEL - MINIMUM A36, 3/16" THICKNESS

9.E. ALUMINUM - MINIMUM 6063-T6 1/4" THICKNESS.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATIONS & DESIGN PRESSURES
3	TYPICAL SINGLE UNIT HORIZONTAL SECTIONS
4	TYPICAL SINGLE UNIT HORIZONTAL SECTIONS
5	MULTIPLE UNITS - HORIZONTAL SECTIONS
6	TYP. VERTICAL SECTIONS
7	WALL MOUNT HORIZONTAL SECTIONS/ANCHOR SCHEDULE
8	BUILD OUT HORIZONTAL SECTIONS/ANCHOR SCHEDULE
9	WALL MOUNT & BUILD OUT ANCHOR SCHEDULE / SPACING
10	INSET MOUNT HORIZONTAL SECTION - ANCHOR SCHEDULE
11	INSET MOUNT - ANCHOR SCHEDULE
12	INSET MOUNT - ANCHOR SCHEDULE
13	RECESSED MOUNT HORIZONTAL SECTION - ANCHOR SCHEDULE
14	RECESSED MOUNT - ANCHOR SCHEDULE
15	RECESSED MOUNT - ANCHOR SCHEDULE
16	EQUALLY SPACED MULLIONS
17	EQUALLY SPACED MULLION ANCHORS
18	END MULLIONS
19	CORNER MULLIONS
20	END MULL/ CORNER MULLION CONNECTIONS
21	4" TUBE & 5.5" HOOD DETAILS
22	4" TUBE & 6" EXTRUDED HOOD DETAILS
23	5.75" TUBE & 7.5" EXTRUDED HOOD DETAILS
24	5.75" TUBE & 7.5" EXTRUDED HOOD DETAILS
25	5.75" TUBE & 7.5" EXTRUDED HOOD DETAILS
26	5.75" TUBE & 8.5" EXTRUDED HOOD DETAILS
27	5.75" TUBE & 8.5" EXTRUDED HOOD DETAILS
28	6" TUBE & 12" HOOD DETAILS
29	6.5" TUBE & 7.5" EXTRUDED HOOD DETAILS
30	CONSTRUCTION NOTES AND HOOD ASSEMBLY
31	BILL OF MATERIALS & COMPONENTS
32	HOOD OPTIONS
33	HOOD OPTIONS (CONT.)
34	HOOD OPTIONS (CONT.)



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7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
GENERAL & INSTALLATION NOTES

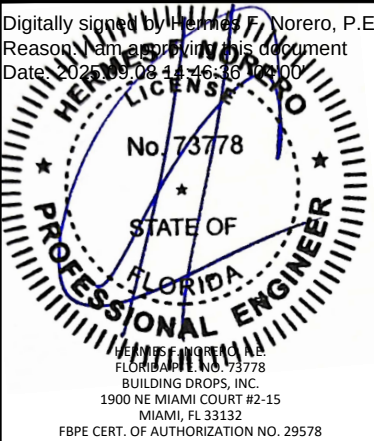
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

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Digitally signed by Hernando Norero, P.E.
Reason: I am approving this document
Date: 2025.09.08 14:46:36 -0400



HERNANDO NORERO
LICENSE
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
MIAMI, FLORIDA
FLORIDA LICENSE NO. 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT #2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

FL#:
FL30798

DATE: **10.15.19**

DWG. BY:
SM/AR

CHK. BY:
HFN

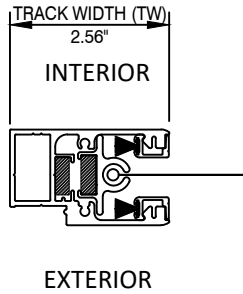
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DWG. #: **PRG003**

SHEET: **1** OF 34

DESIGN PRESSURE RATINGS

TABLE 1 - MAX ALLOWABLE DESIGN PRESSURE		
FRAME WIDTH	POSITIVE	NEGATIVE
360.0	35.0	35.0
320.0	40.0	40.0
300.0	45.0	45.0
264.0	50.0	50.0
240.0	60.0	60.0
216.0	66.7	66.7
192.0	85.0	85.0
168.0	110.0	110.0
144.0	130.0	130.0
132.0	140.0	140.0
120.0	155.0	155.0
108.0	165.0	165.0
96.0	175.0	175.0
84.0	185.0	185.0
72.0	200.0	200.0



HOUSING AND TRACK ASSEMBLY

TABLE 2: GLASS SEPARATION (GS) INCHES															
LOAD (PSF)	FRAME WIDTH (IN)														
	72	84	96	108	120	132	144	168	192	216	240	264	300	320	360
35	3.25	3.75	4.25	5.00	5.50	6.25	7.25	9.50	13.00	19.00	22.00	25.50	32.75	38.25	45.50
40	3.75	4.25	4.75	5.50	6.25	7.00	8.25	10.75	14.75	21.50	25.00	29.00	37.25	43.50	-
45	4.00	4.75	5.25	6.00	7.00	8.00	9.00	12.00	16.50	24.00	28.00	32.50	42.00	-	-
50	4.50	5.00	5.75	6.50	7.50	8.75	10.00	13.25	18.25	26.75	31.00	36.00	-	-	-
60	5.00	6.00	6.75	7.75	9.00	10.25	11.75	15.75	21.75	31.75	37.00	-	-	-	-
66.7	5.50	6.50	7.50	8.50	9.75	11.25	13.00	17.50	24.25	35.25	-	-	-	-	-
85	6.75	8.00	9.25	10.75	12.25	14.25	16.25	22.00	30.50	-	-	-	-	-	-
110	8.50	10.00	11.75	13.50	15.50	18.00	21.00	28.25	-	-	-	-	-	-	-
130	10.00	11.75	13.75	15.75	18.25	21.25	24.50	-	-	-	-	-	-	-	-
140	10.75	12.50	14.50	17.00	19.75	22.75	-	-	-	-	-	-	-	-	-
155	11.75	13.75	16.00	18.75	21.75	-	-	-	-	-	-	-	-	-	-
165	12.50	14.75	17.00	19.75	-	-	-	-	-	-	-	-	-	-	-
175	13.25	15.50	18.00	-	-	-	-	-	-	-	-	-	-	-	-
185	14.00	16.25	-	-	-	-	-	-	-	-	-	-	-	-	-
200	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- NOTES:
1. MINIMUM GLASS SEPARATION BASED ON MAXIMUM DEFLECTION + 1".
 2. ANALYSIS IS LIMITED BY DEFLECTION UNDER STRUCTURAL LOADS AS WELL AS DEFLECTION DUE TO MISSILE LEVEL D LARGE MISSILE IMPACTS.
 3. APPROPRIATE INSTALLATION METHOD SHALL BE USED TO ACHIEVE THE REQUIRED SEPARATION IN THE ABOVE TABLE.
 4. GLASS SEPARATION REQUIRED IN HVHZ AREAS. GLASS SEPARATION REQUIREMENTS TO BE DETERMINED BY AHJ OUTSIDE OF HVHZ REGION.



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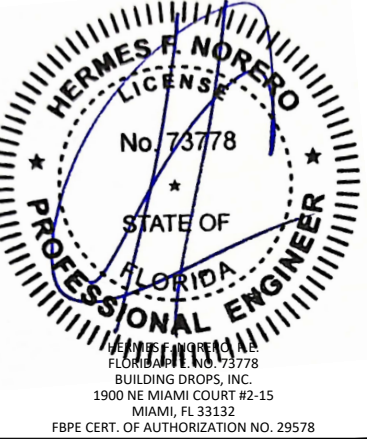
TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
ELEVATION & DESIGN PRESSURE
TABLE

BUILDING DROPS, INC.
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PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
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HOOD UPADTE	SM	9/26/23
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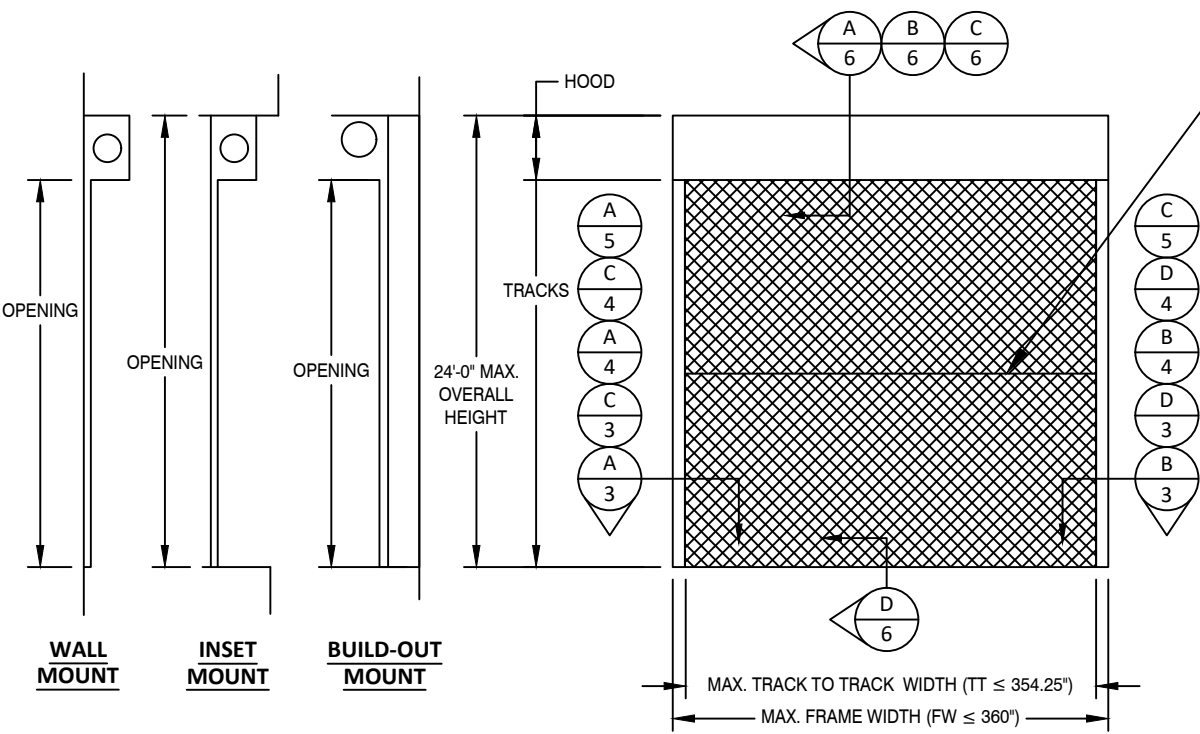
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DWG. #: **PRG003**

SHEET: **2** OF 34

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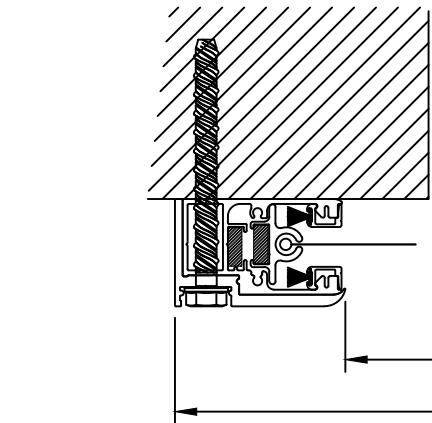
TYPICAL SINGLE UNIT ELEVATION
WALL AND INSET MOUNT DETAILS



REVERSED INSTALLATION
IS ACCEPTABLE

COMBINATION MOUNTED:
WALL, INSET, RECESSED AND BUILD-OUT
MOUNTS CAN BE INSTALLED BY MIXING
ANY POSSIBLE COMBINATIONS

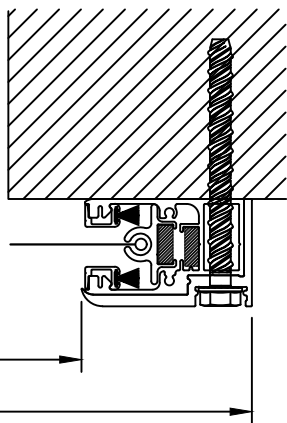
FABRIC MAY BE SEAMED
HORIZONTALLY TO JOIN MULTIPLE
PIECES USING 5/8" OVERLAP WITH
FABRIC HOT AIR WELDED



A
3 HORIZONTAL SECTION
WALL MOUNT

INTERIOR

EXTERIOR

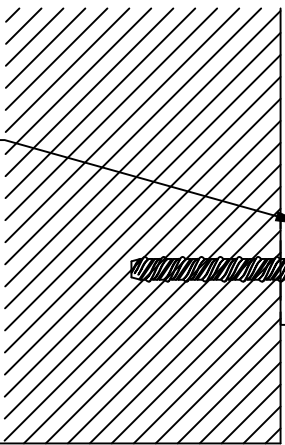


B
3 HORIZONTAL SECTION
WALL MOUNT

SEE DETAILS ON SHEETS 7-15 FOR
ANCHOR REQUIREMENTS

USE OF ADDITIONAL
ALUMINUM TUBING
BEHIND TRACK AND
U-CHANNEL IS OPTIONAL

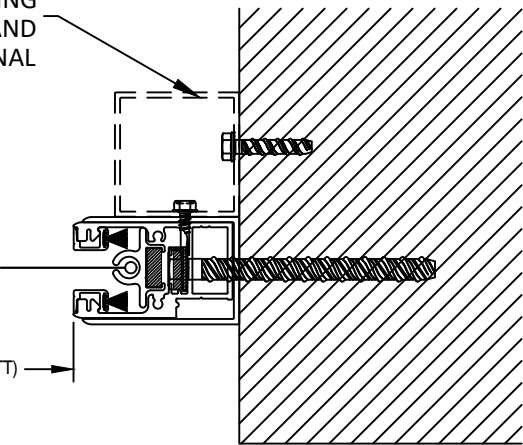
1.75" x 0.75" x 0.125"
ALUMINUM TUBING
BETWEEN SUBSTRATE
AND U-CHANNEL IS
OPTIONAL



C
3 HORIZONTAL SECTION
INSET MOUNT

INTERIOR

EXTERIOR



D
3 HORIZONTAL SECTION
INSET MOUNT



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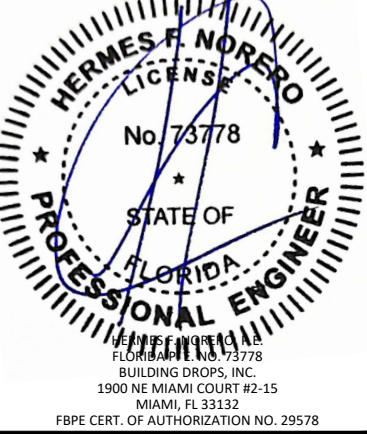
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TYP. SINGLE UNIT
HORIZONTAL SECTIONS

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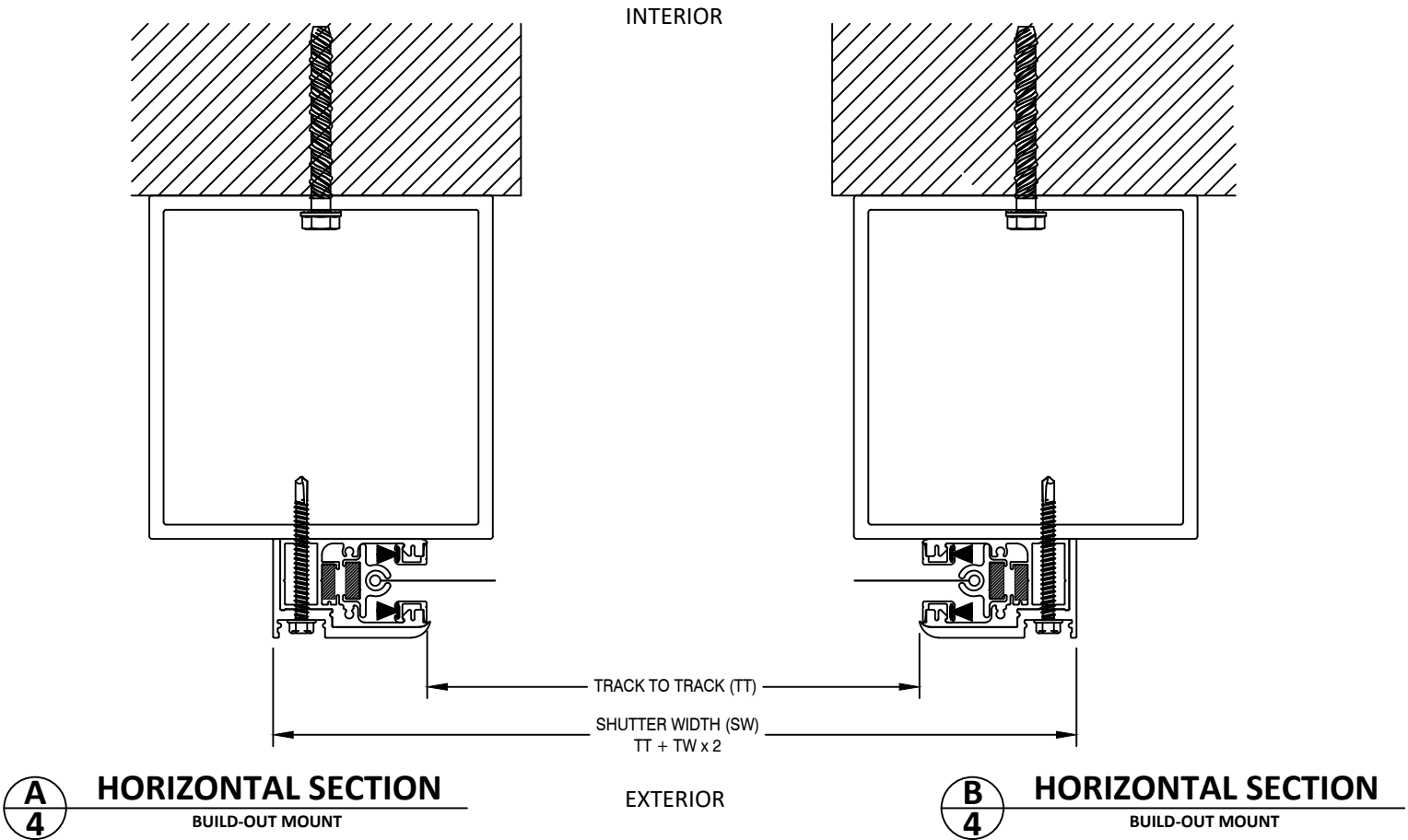
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SHEET:	OF 34

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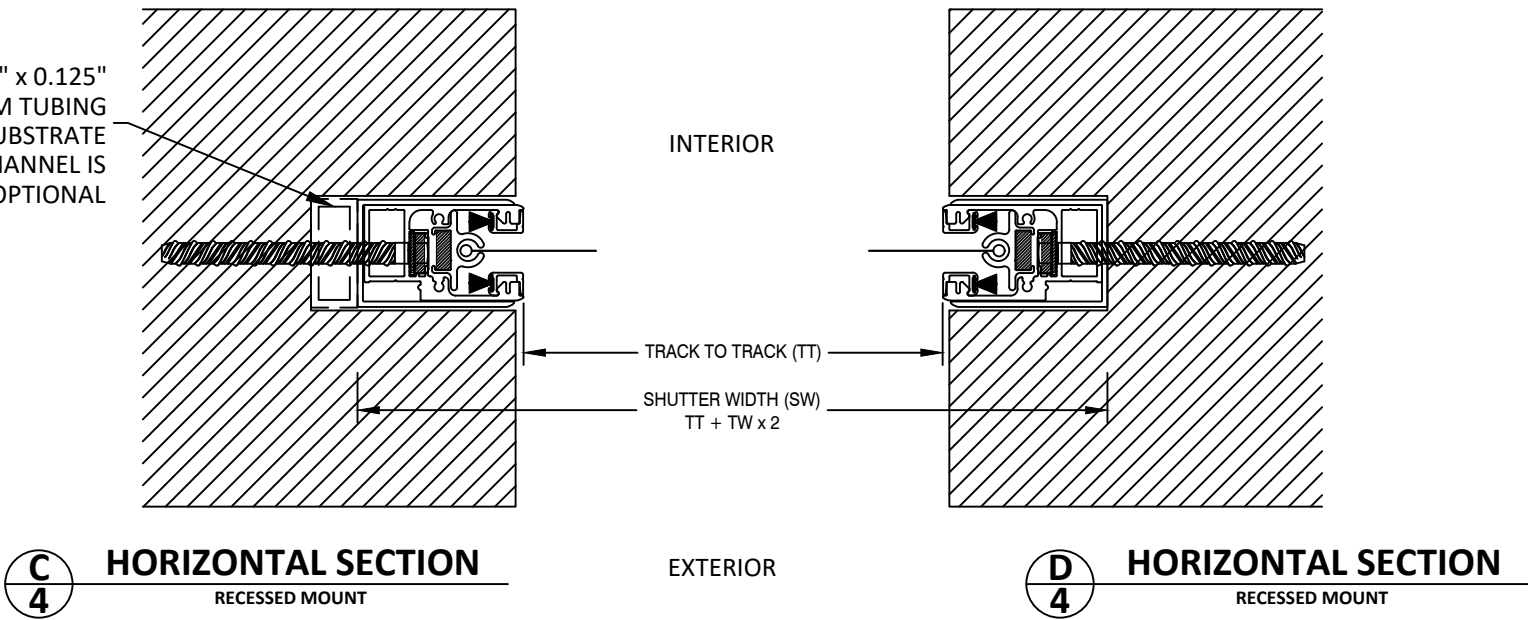
BUILD OUT MOUNT DETAILS
RECESSED MOUNT DETAILS



SEE DETAILS ON SHEETS 7-15 FOR
ANCHOR REQUIREMENTS

COMBINATION MOUNTED:
WALL, INSET, RECESSED AND BUILD-OUT
MOUNTS CAN BE INSTALLED BY MIXING
ANY POSSIBLE COMBINATIONS

1.75" x 0.75" x 0.125"
ALUMINUM TUBING
BETWEEN SUBSTRATE
AND U-CHANNEL IS
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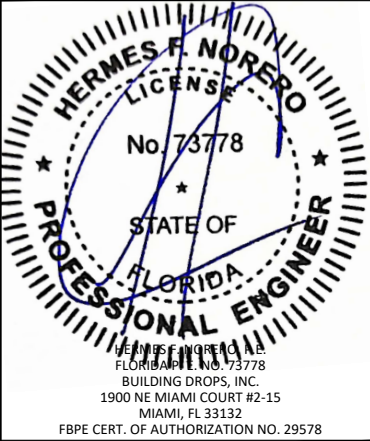
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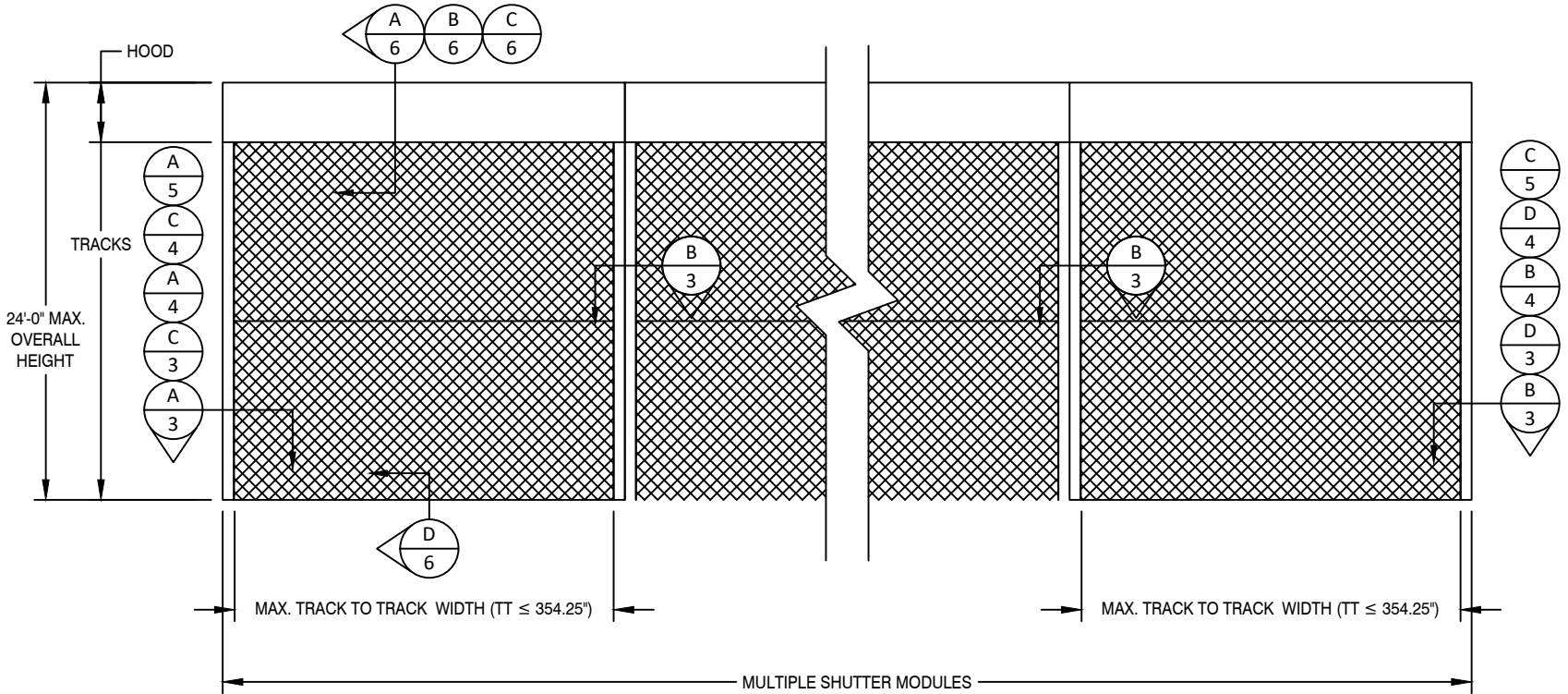
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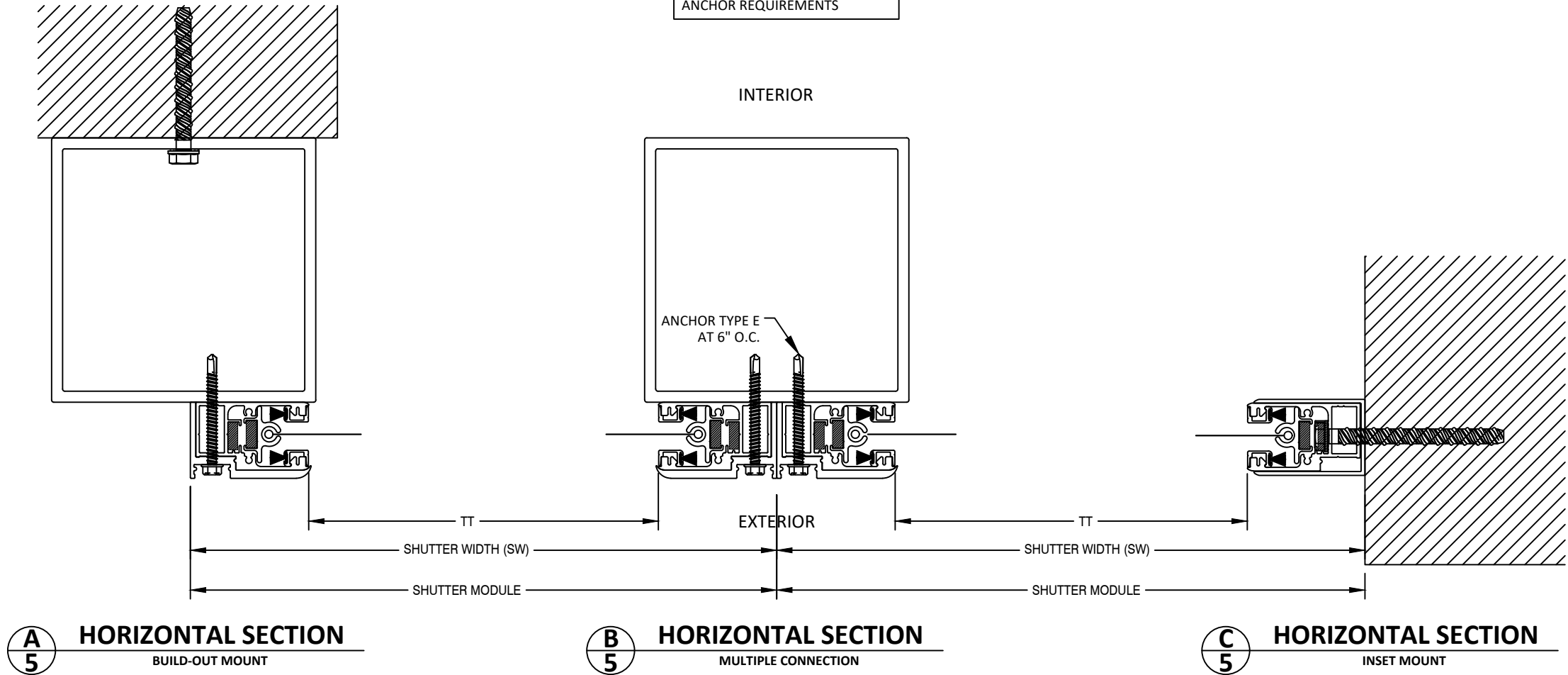
FL#:	FL30798
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SM/AR	HFN
SCALE:	NTS
DWG. #:	PRG003
SHEET:	OF 34

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TYPICAL MULTIPLE UNITS ELEVATION



SEE DETAILS ON SHEETS 7-15 FOR ANCHOR REQUIREMENTS



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MULTIPLE UNITS
HORIZONTAL SECTIONS

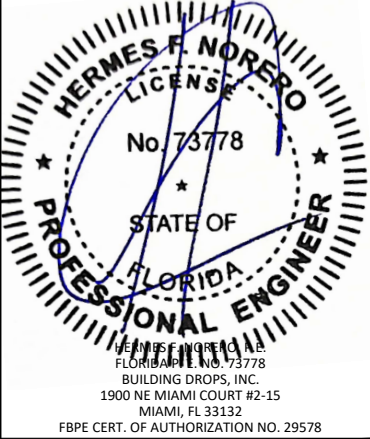
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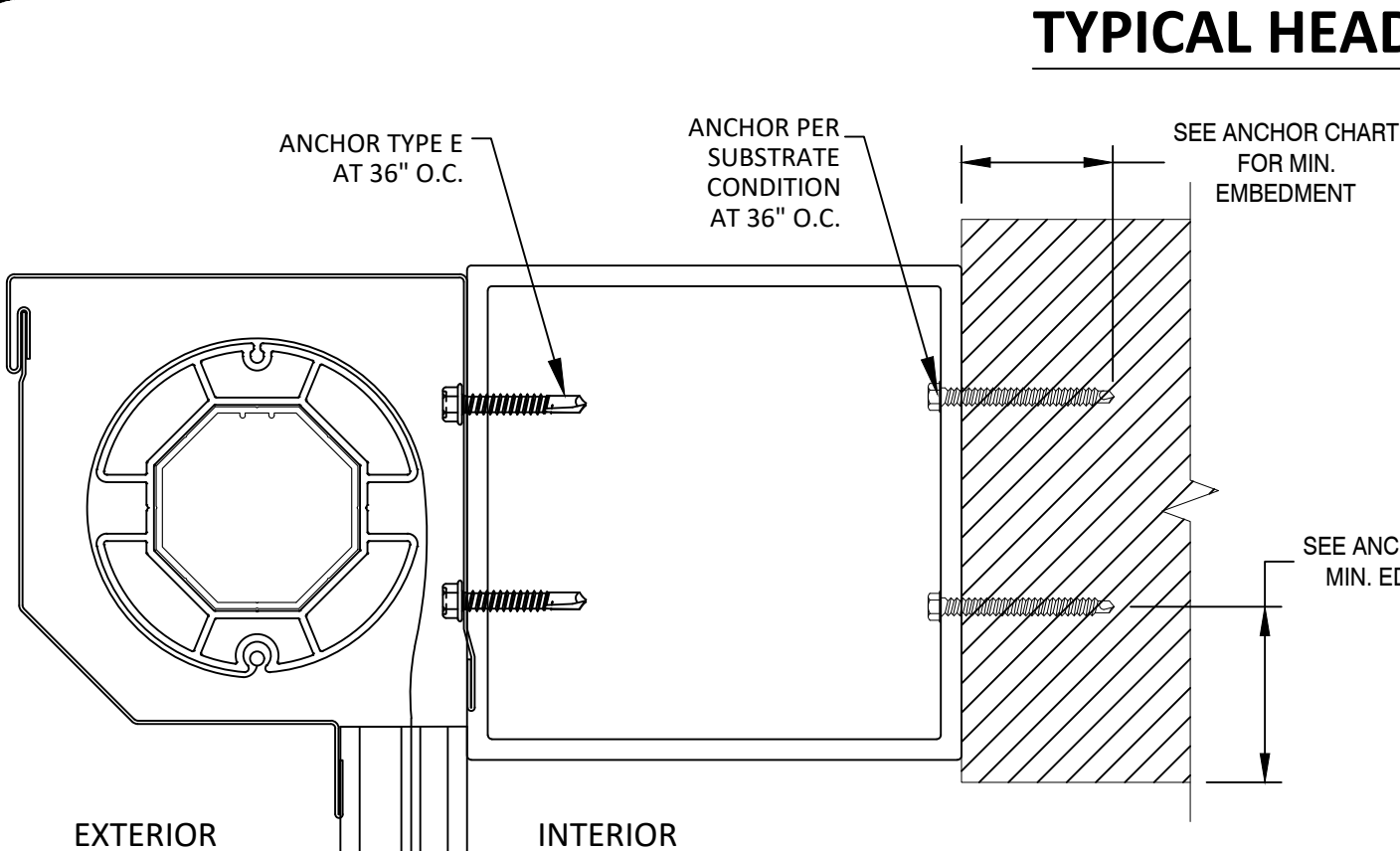
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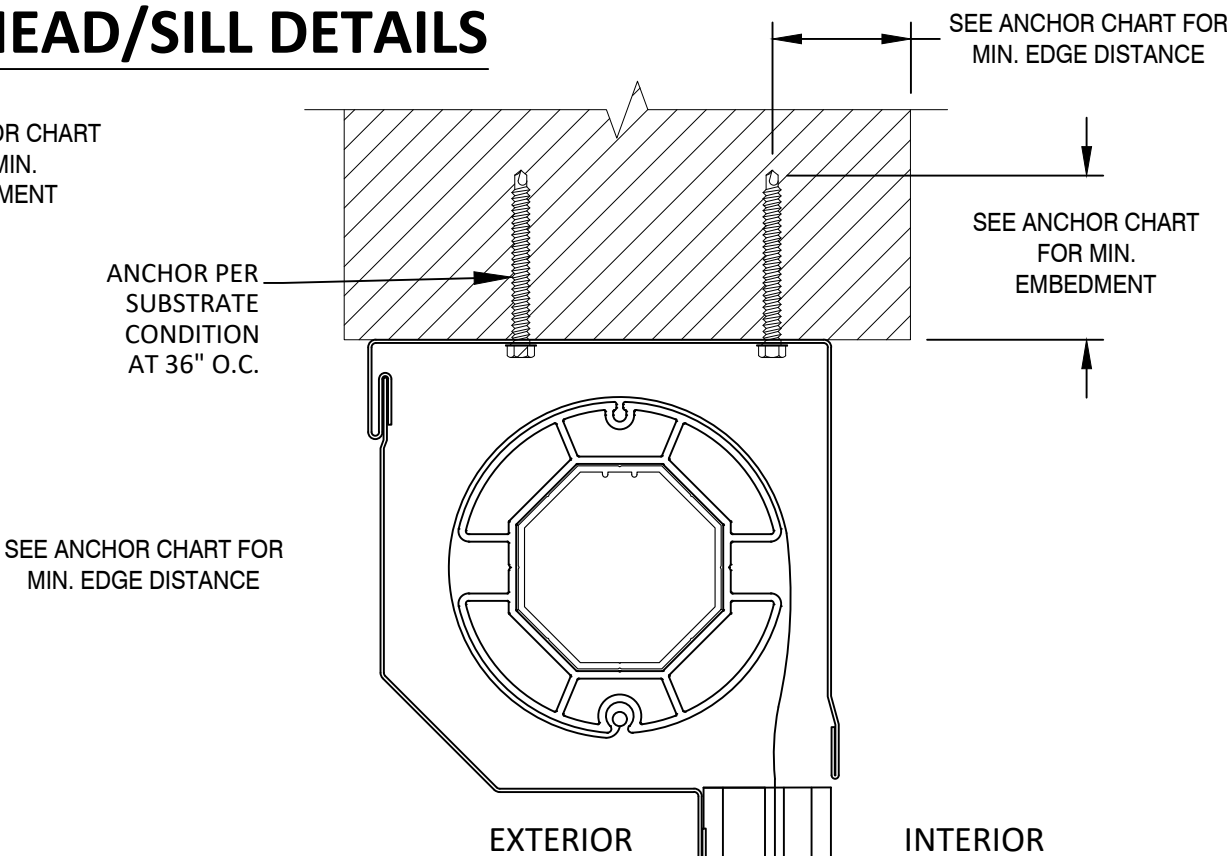
TYPICAL HEAD/SILL DETAILS



A
6

VERTICAL SECTION

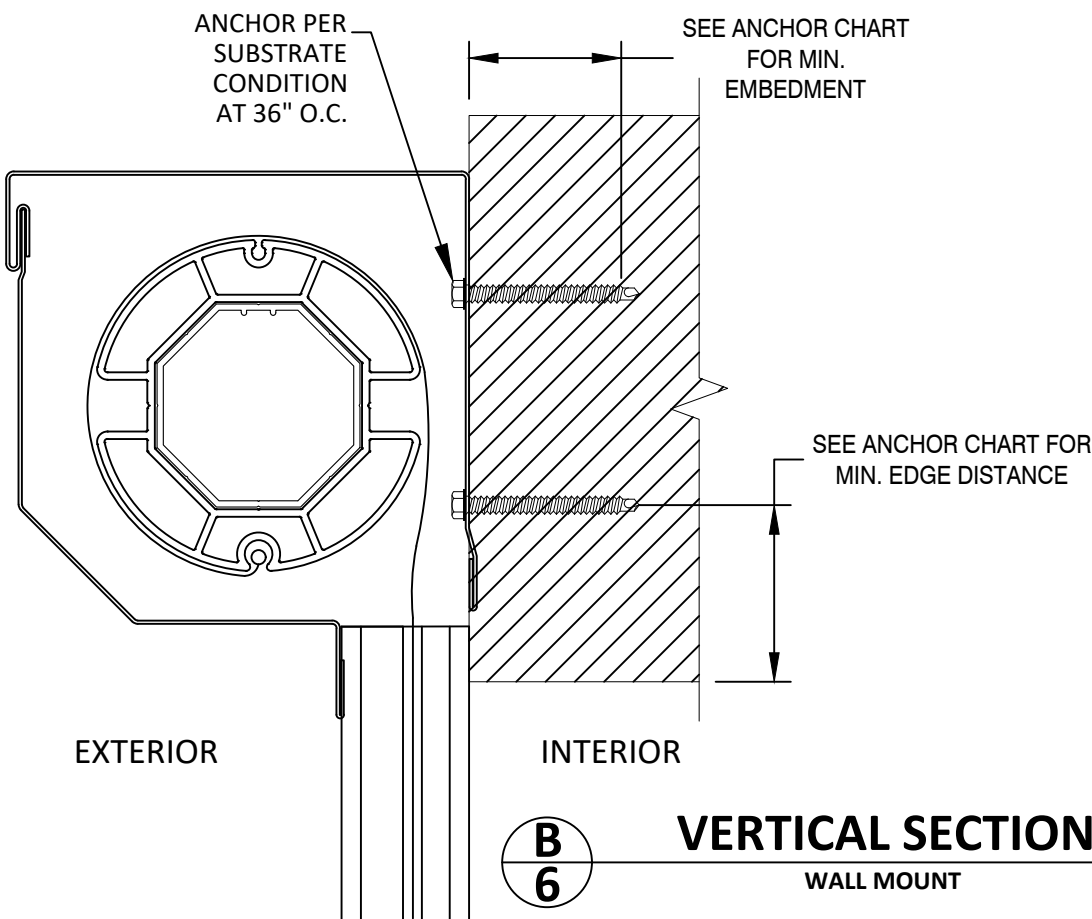
BUILDOUT MOUNT



C
6

VERTICAL SECTION

INSET MOUNT

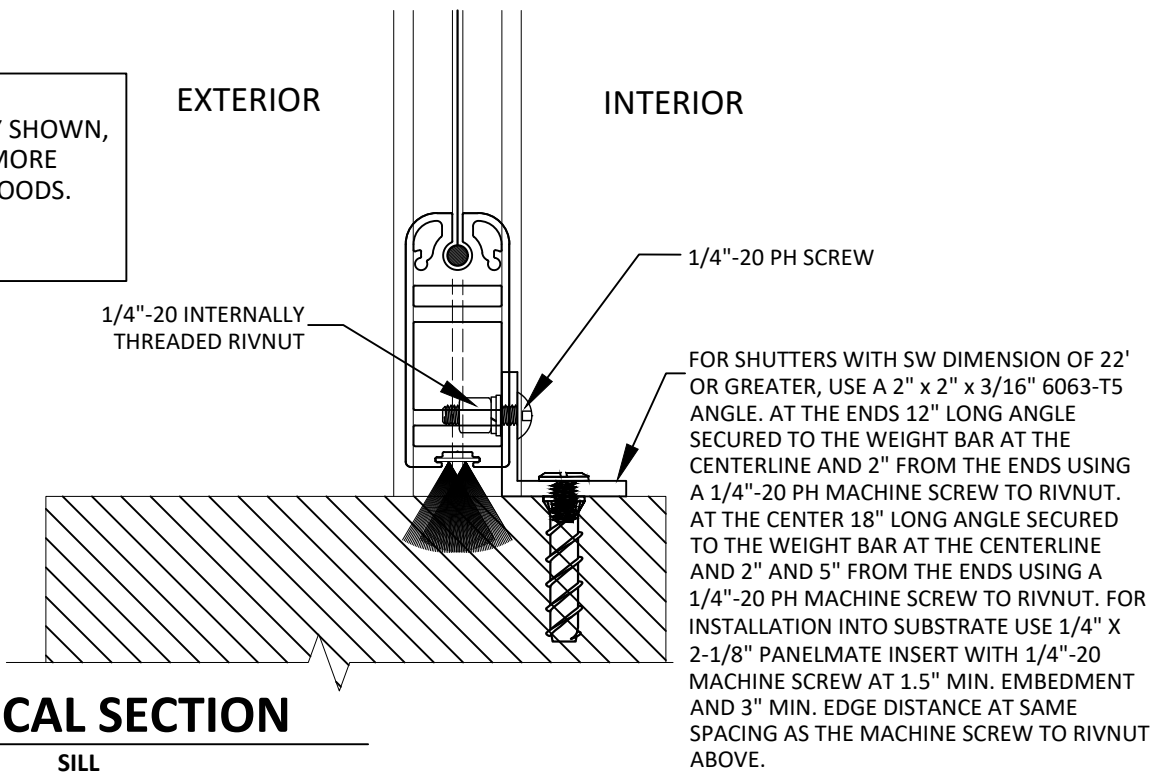


B
6

VERTICAL SECTION

WALL MOUNT

NOTE:
4" TUBE AND 5.5" HOOD ASSEMBLY SHOWN,
SEE SHEETS 21-29 AND 32-34 FOR MORE
DETAILS AND FOR ALL AVAILABLE HOODS.
HOOD AND TUBE SHALL FOLLOW
MANUFACTURERS SPECIFICATIONS.



D
6

VERTICAL SECTION

SILL



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
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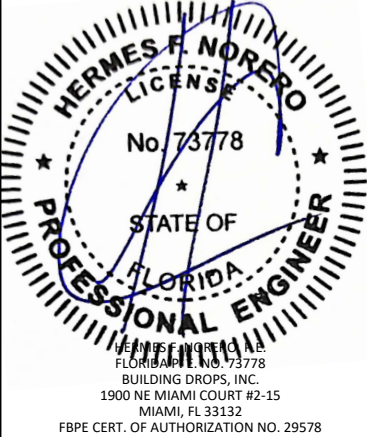
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TYP. VERTICAL SECTIONS

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NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR USE WITH THIS DOCUMENT.



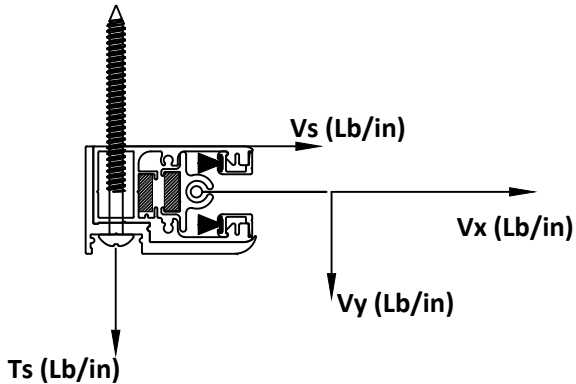
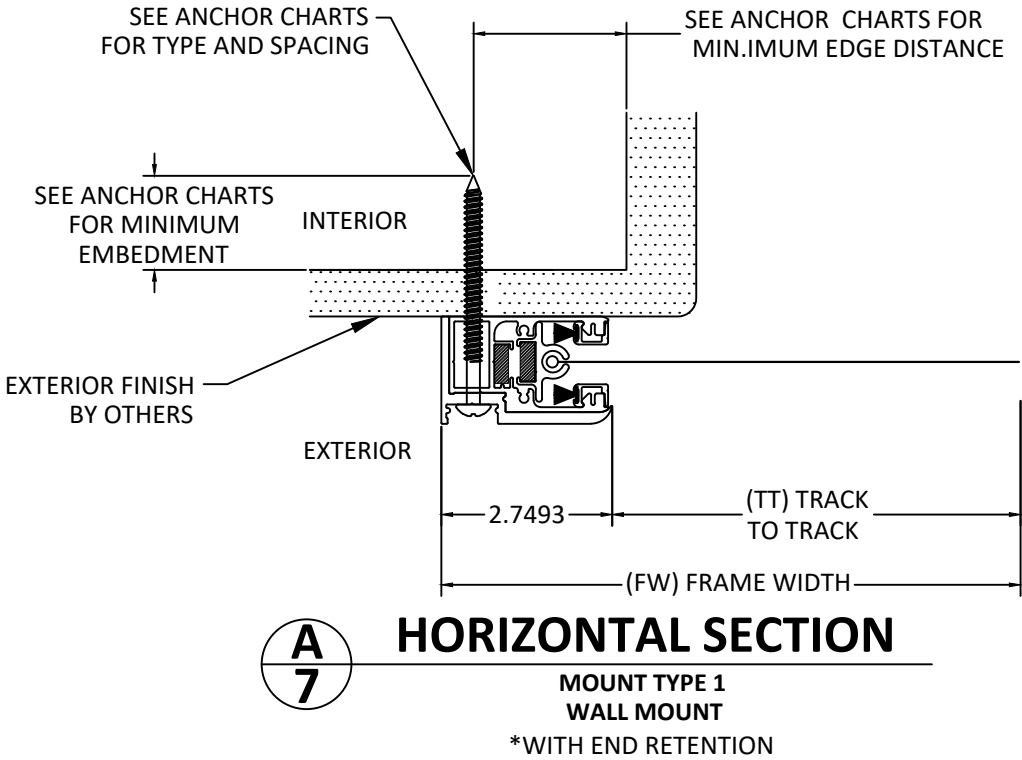
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DATE:	10.15.19
DWG. BY:	SM/AR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	PRG003
SHEET:	OF 34

6

c:\users\dylanwata\building drops, inc\building drops landing - common\projects\progressive screens\flc-25-0633 - flc submittal - fl30798 magnatrack hurricane system - hood revision\dwgs\prg003.dwg
9/8/2025 12:03 PM

TABLE 3 - ANCHOR SPACING						ANCHOR TYPE & SPACING WALL - MOUNT 1								ANCHOR TYPE & SPACING 2X3, 2X4, 4X4 OR 6X6 BO - MOUNT 2							
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F	G	A	B	C	D	E	F	G		
72	35	0.0	8.8	0.0	39.0	12	12	12	12	12	12	6	12	12	12	12	12	12	6		
	40	64.0	10.0	64.0	161.5	12	12	12	12	12	12	6	12	11	6	10	12	9	5		
	45	64.0	11.3	64.0	162.8	12	12	12	12	12	12	6	12	11	6	10	12	9	5		
	50	64.0	12.5	64.0	164.1	12	12	12	12	12	12	6	12	11	6	10	12	9	5		
	55	64.0	13.8	64.0	165.4	12	12	12	12	12	12	6	12	11	6	10	12	9	5		
	60	64.0	15.0	64.0	166.7	12	12	12	12	12	12	6	12	11	6	9	12	9	4		
	65	64.0	16.3	64.0	167.9	12	12	12	12	12	12	6	12	11	6	9	12	9	4		
	66.7	64.0	16.7	64.0	168.4	12	12	12	12	12	12	6	12	11	6	9	12	9	4		
	70	64.0	17.5	64.0	169.2	12	12	12	12	12	12	6	12	10	6	9	12	9	4		
	75	64.0	18.8	64.0	170.5	12	12	12	12	12	12	6	12	10	6	9	12	8	4		
	80	64.0	20.0	64.0	171.8	12	12	12	12	12	12	6	12	10	6	9	12	8	4		
	85	64.0	21.3	64.0	173.0	12	12	12	12	12	12	6	12	10	6	9	12	8	4		
	90	64.0	22.5	64.0	174.3	12	12	12	12	12	12	6	12	10	5	9	12	8	4		
	95	64.0	23.8	64.0	175.6	12	12	12	12	12	12	6	12	10	5	9	12	8	4		
	100	64.0	25.0	64.0	177.2	12	12	12	12	12	12	6	12	10	5	8	12	8	4		
	105	64.0	26.3	64.0	178.9	12	12	12	12	12	12	6	12	9	5	8	12	8	4		
	110	64.0	27.5	64.0	180.6	12	12	12	12	12	12	6	12	9	5	8	12	8	4		
	115	64.0	28.8	64.0	182.3	12	12	12	12	12	12	6	12	9	5	8	12	8	4		
	120	64.0	30.0	64.0	184.0	12	12	12	12	12	12	6	12	9	5	8	12	7	4		
	125	64.0	31.3	64.0	185.7	12	12	12	12	12	12	6	12	9	5	8	12	7	4		
130	64.0	32.5	64.0	187.3	12	12	12	12	12	12	6	12	9	5	8	12	7	4			
135	64.0	33.8	64.0	189.0	12	12	12	12	12	12	6	12	9	5	8	12	7	4			
140	64.0	35.0	64.0	190.7	12	12	12	12	12	12	6	12	9	5	8	12	7	4			
145	64.0	36.3	64.0	192.4	12	12	12	12	12	12	6	12	8	5	8	12	7	4			
150	64.0	37.5	64.0	194.1	12	12	12	12	12	12	6	12	8	5	7	12	7	3			
155	64.0	38.8	64.0	195.8	12	12	12	12	12	12	6	12	8	5	7	12	7	3			
160	64.0	40.0	64.0	197.5	12	12	12	12	12	12	6	12	8	5	7	12	7	3			
165	64.0	41.3	64.0	199.1	12	12	12	12	12	12	6	12	8	5	7	12	7	3			
170	64.0	42.5	64.0	200.8	12	12	12	12	12	12	6	12	8	5	7	12	7	3			
175	64.0	43.8	64.0	202.5	12	12	12	12	12	12	6	12	8	5	7	12	6	3			
180	64.0	45.0	64.0	204.2	12	12	12	12	12	12	6	12	8	5	7	12	6	3			
185	64.0	46.3	64.0	205.9	12	12	12	12	12	12	6	12	8	4	7	12	6	3			
190	64.0	47.5	64.0	207.6	12	12	12	12	12	12	6	12	8	4	7	12	6	3			
195	64.0	48.8	64.0	209.2	12	12	12	12	12	12	6	12	7	4	7	12	6	3			
200	64.0	50.0	64.0	184.0	12	12	12	12	12	12	6	12	7	4	7	12	6	3			
84	35	73.4	10.2	73.4	0.0	12	12	11	12	12	12	6	12	9	5	8	12	7	4		
	40	73.4	11.7	73.4	0.0	12	12	11	12	12	12	6	12	9	5	8	12	7	4		
	45	73.4	13.1	73.4	0.0	12	12	11	12	12	12	6	12	9	5	8	12	7	4		
	50	73.4	14.6	73.4	0.0	12	12	11	12	12	12	6	12	9	5	8	12	7	4		
	55	73.4	16.0	73.4	184.0	12	12	11	12	12	12	6	12	9	5	7	12	7	3		
	60	73.4	17.5	73.4	185.5	12	12	11	12	12	12	6	12	8	5	7	12	7	3		
	65	73.4	19.0	73.4	187.0	12	12	11	12	12	12	6	12	8	4	7	12	7	3		
	66.7	73.4	19.5	73.4	188.5	12	12	11	12	12	12	6	12	8	4	7	12	7	3		
	70	73.4	20.4	73.4	190.0	12	12	11	12	12	12	6	12	8	4	7	12	7	3		
	75	73.4	21.9	73.4	191.5	12	12	11	12	12	12	6	12	8	4	7	12	7	3		
	80	73.4	23.3	73.4	193.0	12	12	11	12	12	12	6	12	8	4	7	12	6	3		
	85	73.4	24.8	73.4	193.5	12	12	11	12	12	12	6	12	8	4	7	12	6	3		
	90	73.4	26.3	73.4	194.4	12	12	11	12	12	12	6	12	8	4	7	12	6	3		
	95	73.4	27.7	73.4	195.9	12	12	11	12	12	12	6	12	8	4	7	12	6	3		
	100	73.4	29.2	73.4	197.4	12	12	11	12	12	12	6	12	7	4	7	12	6	3		
	105	73.4	30.6	73.4	198.9	12	12	11	12	12	12	6	12	7	4	6	12	6	3		
	110	73.4	32.1	73.4	200.4	12	12	11	12	12	12	6	12	7	4	6	12	6	3		
	115	73.4	33.5	73.4	202.0	12	12	11	12	12	12	6	12	7	4	6	12	6	3		
	120	73.4	35.0	73.4	204.0	12	12	11	12	12	12	6	12	7	4	6	12	6	3		
	125	73.4	36.5	73.4	205.9	12	12	11	12	12	12	6	12	7	4	6	12	6	3		
130	73.4	37.9	73.4	207.9	12	12	11	12	12	12	6	12	7	4	6	12	6	3			
135	73.4	39.4	73.4	209.9	12	12	11	12	12	12	6	12	7	4	6	12	6	3			
140	73.4	40.8	73.4	211.8	12	12	11	12	12	12	6	12	7	4	6	12	6	3			
145	73.4	42.3	73.4	213.8	12	12	11	12	12	12	6	12	7	4	6	12	5	3			
150	73.4	43.8	73.4	215.8	12	12	11	12	12	12	6	12	7	4	6	12	5	3			
155	73.4	45.2	73.4	217.7	12	12	11	12	12	12	6	12	6	4	6	12	5	3			
160	73.4	46.7	73.4	219.7	12	12	11	12	12	12	6	12	6	4	6	11	5	3			
165	73.4	48.1	73.4	221.7	12	12	11	12	12	12	6	12	6	4	6	11	5	3			
170	73.4	49.6	73.4	223.6	12	12	11	12	12	12	6	12	6	4	5	11	5	-			
175	73.4	51.0	73.4	225.6	12	12	11	12	12	12	6	12	6	3	5	11	5	-			
180	73.4	52.5	73.4	227.5	12	12	11	12	12	12	6	12	6	3	5	11	5	-			
185	73.4	54.0	73.4	229.5	12	12	11	12	12	12	6	12	6	3	5	11	5	-			

TYPICAL HORIZONTAL SECTIONS WALL MOUNT



ANCHOR SCHEDULE:				
Anchor	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" DEWALT/POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
C	3/8" DEWALT/POWERS WEDGE BOLT	GROUT FILLED C-90 BLOCK f'm ≥ 1500 PSI	2"	2 1/2"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK f'm ≥ 2000 PSI	4"	2 1/4"
E	#14 DEWALT/ELCO DRILL-FLEX SELF DRILLING SCREW	MIN. 1/4" 6063-T6 ALUM. A36 3/16" STEEL	1/2" 3/8"	3 THREADS PENETRATION
F	5/16" DEWALT/ELCO ULTRA CON	MIN. SG = 0.55 WOOD	1 1/2"	2"
G	1/4" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 1/2"	1 3/4"



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

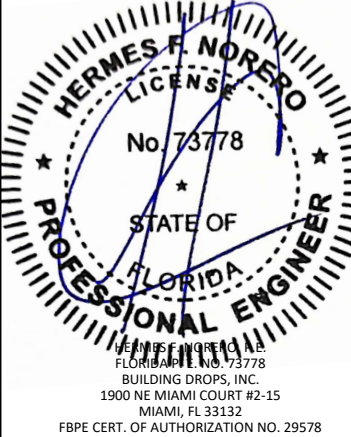
TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS &
ANCHOR SCHEDULE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

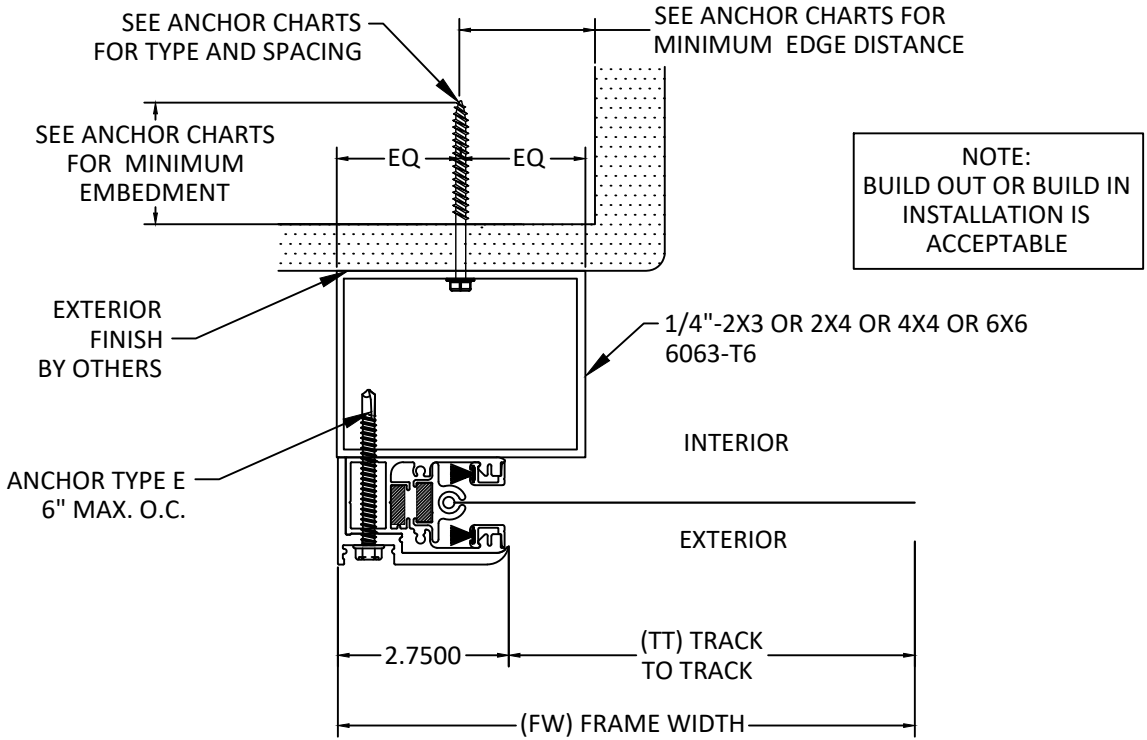


FL#:
FL30798
DATE: **10.15.19**
DWG. BY: **SM/AR** CHK. BY: **HFN**
SCALE: **NTS**
DWG. #: **PRG003**
SHEET: **7** OF 34

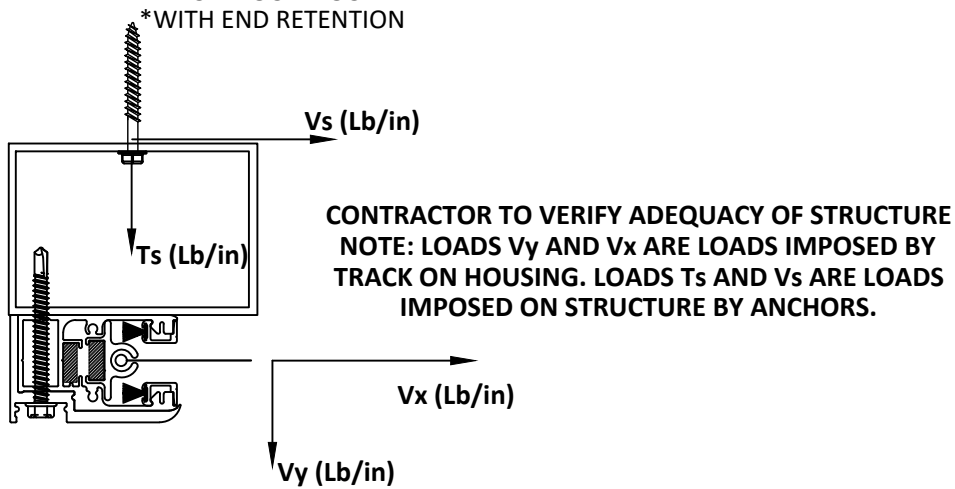
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9/8/2025 12:03 PM

TABLE 3 - ANCHOR SPACING						ANCHOR TYPE & SPACING WALL - MOUNT 1							ANCHOR TYPE & SPACING 2X3, 2X4, 4X4 OR 6X6 BO - MOUNT 2						
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F	G	A	B	C	D	E	F	G
96	35	81.5	11.7	81.5	204.6	12	12	9	12	12	12	6	12	8	4	7	12	6	3
	40	81.5	13.3	81.5	206.3	12	12	9	12	12	12	6	12	7	4	6	12	6	3
	45	81.5	15.0	81.5	208.0	12	12	9	12	12	12	6	12	7	4	6	12	6	3
	50	81.5	16.7	81.5	209.7	12	12	9	12	12	12	6	12	7	4	6	12	6	3
	55	81.5	18.3	81.5	211.4	12	12	9	12	12	12	6	12	7	4	6	12	6	3
	60	81.5	20.0	81.5	213.1	12	12	9	12	12	12	6	12	7	4	6	12	6	3
	65	81.5	21.7	81.5	214.8	12	12	9	12	12	12	6	12	7	4	6	12	6	3
	66.7	81.5	22.2	81.5	215.4	12	12	9	12	12	12	6	12	7	4	6	12	6	3
	70	81.5	23.3	81.5	216.5	12	12	9	12	12	12	6	12	7	4	6	12	5	3
	75	81.5	25.0	81.5	218.2	12	12	9	12	12	12	6	12	7	4	6	11	5	3
	80	81.5	26.7	81.5	219.9	12	12	9	12	12	12	6	12	7	4	6	11	5	3
	85	81.5	28.3	81.5	221.6	12	12	9	12	12	12	6	12	6	4	6	11	5	3
	90	81.5	30.0	81.5	223.3	12	12	9	12	12	12	6	12	6	3	6	11	5	3
	95	81.5	31.7	81.5	225.4	12	12	9	12	12	12	6	12	6	3	5	11	5	-
	100	81.5	33.3	81.5	227.7	12	12	9	12	12	12	6	12	6	3	5	11	5	-
	105	81.5	35.0	81.5	229.9	12	12	9	12	12	12	6	12	6	3	5	11	5	-
	110	81.5	36.7	81.5	232.1	12	12	9	12	12	12	6	12	6	3	5	11	5	-
	115	81.5	38.3	81.5	234.4	12	12	9	12	12	12	6	12	6	3	5	10	5	-
	120	81.5	40.0	81.5	236.6	12	12	9	12	12	12	6	12	6	3	5	10	5	-
	125	81.5	41.7	81.5	238.9	12	12	9	12	12	12	6	12	6	3	5	10	5	-
108	130	81.5	43.3	81.5	241.1	12	12	9	12	12	12	6	12	6	3	5	10	5	-
	135	81.5	45.0	81.5	243.4	12	12	9	12	12	12	6	12	6	3	5	10	5	-
	140	81.5	46.7	81.5	245.6	12	12	9	12	12	12	6	12	5	3	5	10	4	-
	145	81.5	48.3	81.5	247.9	12	12	9	12	12	12	6	12	5	3	5	10	4	-
	150	81.5	50.0	81.5	250.1	12	12	9	12	12	12	6	12	5	3	5	10	4	-
	155	81.5	51.7	81.5	252.4	12	12	9	12	12	12	6	12	5	3	5	10	4	-
	160	81.5	53.3	81.5	254.6	12	12	9	12	12	12	6	12	5	3	5	9	4	-
	165	81.5	55.0	81.5	256.9	12	12	9	12	12	12	6	12	5	3	5	9	4	-
	170	81.5	56.7	81.5	259.1	12	12	9	12	12	12	6	12	5	3	4	9	4	-
	175	81.5	58.3	81.5	261.3	12	12	9	12	12	12	6	12	5	3	4	9	4	-
	35	88.1	13.1	88.1	221.7	12	12	8	12	12	12	6	12	7	3	6	11	5	3
	40	88.1	15.0	88.1	223.6	12	12	8	12	12	12	6	12	6	3	6	11	5	3
	45	88.1	16.9	88.1	225.6	12	12	8	12	12	12	6	12	6	3	6	11	5	-
	50	88.1	18.8	88.1	227.5	12	12	8	12	12	12	6	12	6	3	5	10	5	-
	55	88.1	20.6	88.1	229.4	12	12	8	12	12	12	6	12	6	3	5	10	5	-
	60	88.1	22.5	88.1	231.3	12	12	8	12	12	12	6	12	6	3	5	10	5	-
	65	88.1	24.4	88.1	233.2	12	12	8	12	12	12	6	12	6	3	5	10	5	-
	66.7	88.1	25.0	88.1	233.9	12	12	8	12	12	12	6	12	6	3	5	10	5	-
	70	88.1	26.3	88.1	235.1	12	12	8	12	12	12	6	12	6	3	5	10	5	-
	75	88.1	28.1	88.1	237.1	12	12	8	12	12	12	6	12	6	3	5	10	5	-
	80	88.1	30.0	88.1	239.0	12	12	8	12	12	12	6	12	6	3	5	10	5	-
	85	88.1	31.9	88.1	240.9	12	12	8	12	12	12	6	12	6	3	5	10	5	-
	90	88.1	33.8	88.1	243.1	12	12	8	12	12	12	6	12	5	3	5	10	4	-
	95	88.1	35.6	88.1	245.6	12	12	8	12	12	12	6	12	5	3	5	9	4	-
	100	88.1	37.5	88.1	248.1	12	12	8	12	12	12	6	12	5	3	5	9	4	-
	105	88.1	39.4	88.1	250.7	12	12	8	12	12	12	6	12	5	3	5	9	4	-
	110	88.1	41.3	88.1	253.2	12	12	8	12	12	12	6	12	5	3	4	9	4	-
	115	88.1	43.1	88.1	255.7	12	12	8	12	12	12	6	12	5	3	4	9	4	-
	120	88.1	45.0	88.1	258.2	12	12	8	12	12	12	6	12	5	3	4	9	4	-
	125	88.1	46.9	88.1	260.8	12	12	8	12	12	12	6	12	5	3	4	9	4	-
	130	88.1	48.8	88.1	263.3	12	12	8	12	12	12	6	12	5	3	4	9	4	-
	135	88.1	50.6	88.1	265.8	12	12	8	12	12	12	6	12	5	3	4	9	4	-
	140	88.1	52.5	88.1	268.4	12	12	8	12	12	12	6	12	5	3	4	9	4	-
	145	88.1	54.4	88.1	270.9	12	12	8	12	12	12	6	12	5	3	4	8	4	-
	150	88.1	56.3	88.1	273.4	12	12	8	12	12	12	6	12	5	3	4	8	4	-
	155	88.1	58.1	88.1	275.9	12	12	8	12	12	12	6	12	4	3	4	8	4	-
	160	88.1	60.0	88.1	278.5	12	12	8	12	12	12	6	12	4	-	4	8	4	-
	165	88.1	61.9	88.1	281.0	12	12	8	12	12	12	6	12	4	-	4	8	4	-

TYPICAL HORIZONTAL SECTIONS BUILD OUT



A8 HORIZONTAL SECTION MOUNT TYPE 2 BUILD-OUT MOUNT *WITH END RETENTION



ANCHOR SCHEDULE:				
Anchor	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" DEWALT/POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
C	3/8" DEWALT/POWERS WEDGE BOLT	GROUT FILLED C-90 BLOCK f'm ≥ 1500 PSI	2"	2 1/2"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK f'm ≥ 2000 PSI	4"	2 1/4"
E	#14 DEWALT/ELCO DRIL-FLEX SELF DRILLING SCREW	MIN. 1/4" 6063-T6 ALUM.	1/2"	3 THREADS PENETRATION
		A36 3/16" STEEL	3/8"	
F	5/16" DEWALT/ELCO ULTRA CON	MIN. SG = 0.55 WOOD	1 1/2"	2"
G	1/4" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 1/2"	1 3/4"



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

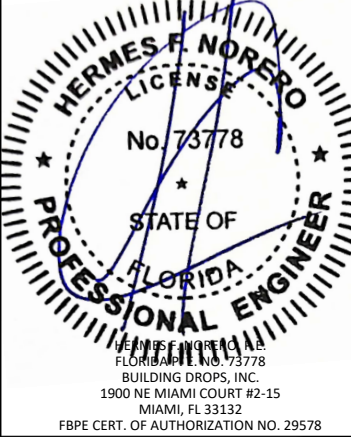
TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS &
ANCHOR SCHEDULE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL#:

FL30798

DATE: 10.15.19

DWG. BY: SM/AR
CHK. BY: HFN

SCALE: NTS

DWG. #: PRG003

SHEET: OF 34

8

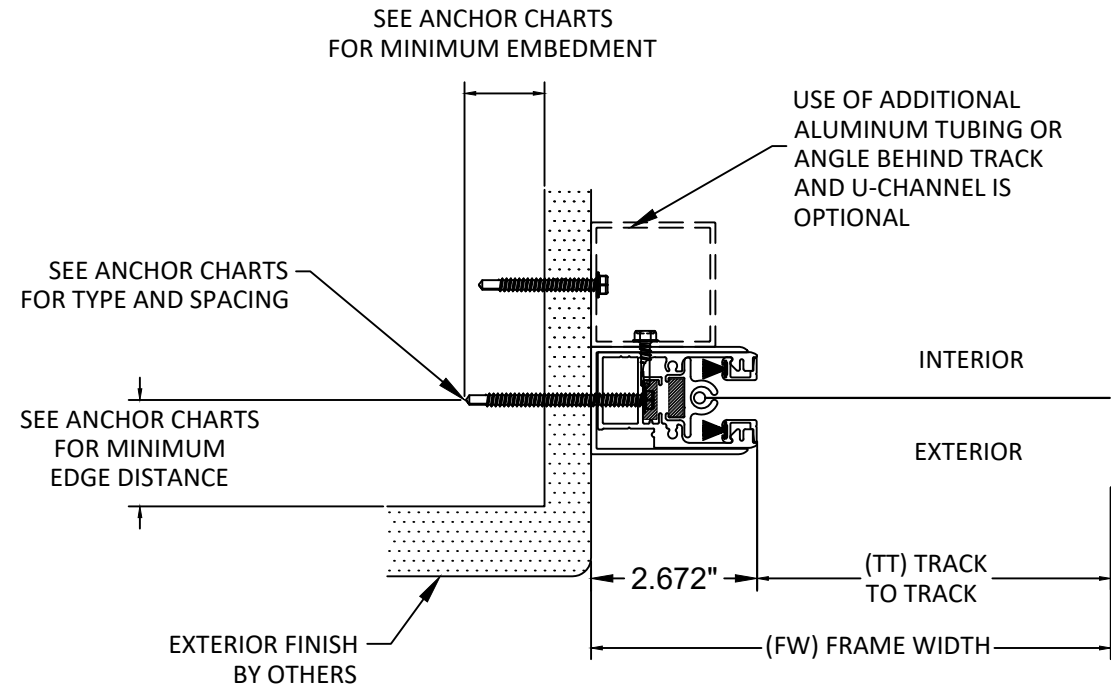
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9/8/2025 12:03 PM

TABLE 3 - ANCHOR SPACING						ANCHOR TYPE & SPACING WALL - MOUNT 1								ANCHOR TYPE & SPACING 2X3, 2X4, 4X4 OR 6X6 BO - MOUNT 2							
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F	G	A	B	C	D	E	F	G		
120	35	93.2	14.6	93.2	235.4	12	12	7	12	12	12	6	12	6	3	5	10	5	-		
	40	93.2	16.7	93.2	237.5	12	12	7	12	12	12	6	12	6	3	5	10	5	-		
	45	93.2	18.8	93.2	239.7	12	12	7	12	12	12	6	12	6	3	5	10	5	-		
	50	93.2	20.8	93.2	241.8	12	12	7	12	12	12	6	12	6	3	5	9	4	-		
	55	93.2	22.9	93.2	243.9	12	12	7	12	12	12	6	12	5	3	5	9	4	-		
	60	93.2	25.0	93.2	246.0	12	12	7	12	12	12	6	12	5	3	5	9	4	-		
	65	93.2	27.1	93.2	248.2	12	12	7	12	12	12	6	12	5	3	5	9	4	-		
	66.7	93.2	27.8	93.2	248.9	12	12	7	12	12	12	6	12	5	3	5	9	4	-		
	70	93.2	29.2	93.2	250.3	12	12	7	12	12	12	6	12	5	3	5	9	4	-		
	75	93.2	31.3	93.2	252.4	12	12	7	12	12	12	6	12	5	3	4	9	4	-		
	80	93.2	33.3	93.2	254.6	12	12	7	12	12	12	6	12	5	3	4	9	4	-		
	85	93.2	35.4	93.2	256.9	12	12	7	12	12	12	6	12	5	3	4	9	4	-		
	90	93.2	37.5	93.2	259.7	12	12	7	12	12	12	6	12	5	3	4	9	4	-		
	95	93.2	39.6	93.2	262.5	12	12	7	12	12	12	6	12	5	3	4	8	4	-		
	100	93.2	41.7	93.2	265.3	12	12	7	12	12	12	6	12	5	3	4	8	4	-		
	105	93.2	43.8	93.2	268.1	12	12	7	12	12	12	6	12	5	3	4	8	4	-		
	110	93.2	45.8	93.2	270.9	12	12	7	12	12	12	6	12	5	-	4	8	4	-		
	115	93.2	47.9	93.2	273.7	12	12	7	12	12	12	6	12	4	-	4	8	4	-		
	120	93.2	50.0	93.2	276.5	12	12	7	12	12	12	6	12	4	-	4	8	4	-		
	132	125	93.2	52.1	93.2	279.3	12	12	7	12	12	12	6	12	4	-	4	8	4	-	
130		93.2	54.2	93.2	282.2	12	12	7	12	12	12	6	12	4	-	4	8	3	-		
135		93.2	56.3	93.2	285.0	12	12	7	12	12	12	6	12	4	-	4	8	3	-		
140		93.2	58.3	93.2	287.8	12	12	7	12	12	12	6	12	4	-	4	8	3	-		
145		93.2	60.4	93.2	290.6	12	12	7	12	12	12	6	12	4	-	4	8	3	-		
150		93.2	62.5	93.2	293.4	12	12	7	12	12	12	6	12	4	-	4	7	3	-		
155		93.2	64.6	93.2	296.2	12	12	7	12	12	12	6	12	4	-	3	7	3	-		
35		96.9	16.0	96.9	245.5	12	12	7	12	12	12	6	12	5	3	5	9	4	-		
40		96.9	18.3	96.9	247.8	12	12	7	12	12	12	6	12	5	3	5	9	4	-		
45		96.9	20.6	96.9	250.2	12	12	7	12	12	12	6	12	5	3	5	9	4	-		
50		96.9	22.9	96.9	252.5	12	12	7	12	12	12	6	12	5	3	4	9	4	-		
55		96.9	25.2	96.9	254.9	12	12	7	12	12	12	6	12	5	3	4	9	4	-		
60		96.9	27.5	96.9	257.2	12	12	7	12	12	12	6	12	5	3	4	9	4	-		
65		96.9	29.8	96.9	259.5	12	12	7	12	12	12	6	12	5	3	4	8	4	-		
66.7		96.9	30.6	96.9	260.3	12	12	7	12	12	12	6	12	5	3	4	8	4	-		
70		96.9	32.1	96.9	261.9	12	12	7	12	12	12	6	12	5	3	4	8	4	-		
75		96.9	34.4	96.9	264.2	12	12	7	12	12	12	6	12	5	-	4	8	4	-		
80		96.9	36.7	96.9	266.7	12	12	7	12	12	12	6	12	5	-	4	8	4	-		
85		96.9	39.0	96.9	269.8	12	12	7	12	12	12	6	12	5	-	4	8	4	-		
90		96.9	41.3	96.9	272.9	12	12	7	12	12	12	6	12	4	-	4	8	4	-		
95	96.9	43.5	96.9	276.0	12	12	7	12	12	12	6	12	4	-	4	8	4	-			
100	96.9	45.8	96.9	279.1	12	12	7	12	12	12	6	12	4	-	4	8	3	-			
105	96.9	48.1	96.9	282.2	12	12	7	12	12	12	6	12	4	-	4	8	3	-			
110	96.9	50.4	96.9	285.3	12	12	7	12	12	12	6	12	4	-	4	8	3	-			
115	96.9	52.7	96.9	288.3	12	12	7	12	12	12	6	12	4	-	4	7	3	-			
120	96.9	55.0	96.9	291.4	12	12	7	12	12	12	6	12	4	-	4	7	3	-			
125	96.9	57.3	96.9	294.5	12	12	7	12	12	12	6	12	4	-	3	7	3	-			
130	96.9	59.6	96.9	297.6	12	12	7	12	12	12	6	12	4	-	3	7	3	-			
135	96.9	61.9	96.9	300.7	12	12	7	12	12	12	6	12	4	-	3	7	3	-			
140	96.9	64.2	96.9	303.8	12	12	7	12	12	12	6	12	4	-	3	7	3	-			
144	35	99.0	17.5	99.0	251.9	12	12	6	12	12	12	6	12	5	3	4	9	4	-		
	40	99.0	20.0	99.0	254.5	12	12	6	12	12	12	6	12	5	3	4	9	4	-		
	45	99.0	22.5	99.0	257.0	12	12	6	12	12	12	6	12	5	3	4	8	4	-		
	50	99.0	25.0	99.0	259.6	12	12	6	12	12	12	6	12	5	3	4	8	4	-		
	55	99.0	27.5	99.0	262.2	12	12	6	12	12	12	6	12	5	3	4	8	4	-		
	60	99.0	30.0	99.0	264.7	12	12	6	12	12	12	6	12	5	-	4	8	4	-		
	65	99.0	32.5	99.0	267.3	12	12	6	12	12	12	6	12	5	-	4	8	4	-		
	66.7	99.0	33.4	99.0	268.1	12	12	6	12	12	12	6	12	5	-	4	8	4	-		
	70	99.0	35.0	99.0	269.8	12	12	6	12	12	12	6	12	5	-	4	8	4	-		
	75	99.0	37.5	99.0	272.6	12	12	6	12	12	12	6	12	4	-	4	8	4	-		
	80	99.0	40.0	99.0	275.9	12	12	6	12	12	12	6	12	4	-	4	8	4	-		
	85	99.0	42.5	99.0	279.3	12	12	6	12	12	12	6	12	4	-	4	8	3	-		
	90	99.0	45.0	99.0	282.7	12	12	6	12	12	12	6	12	4	-	4	7	3	-		
	95	99.0	47.5	99.0	286.0	12	12	6	12	12	12	6	12	4	-	4	7	3	-		
	100	99.0	50.0	99.0	289.4	12	12	6	12	12	12	6	12	4	-	4	7	3	-		
	105	99.0	52.5	99.0	292.8	12	12	6	12	12	12	6	12	4	-	3	7	3	-		
	110	99.0	55.0	99.0	296.1	12	12	6	12	12	12	6	12	4	-	3	7	3	-		
	115	99.0	57.5	99.0	299.5	12	12	6	12	12	12	6	12	4	-	3	7	3	-		
	120	99.0	60.0	99.0	302.9	12	12	6	12	12	12	6	12	4	-	3	7	3	-		
	125	99.0	62.5	99.0	306.2	12	12	6	12	12	12	6	12	4	-	3	7	3	-		
130	99.0	65.0	99.0	309.6	12	12	6	12	12	12	6	12	4	-	3	7	3	-			

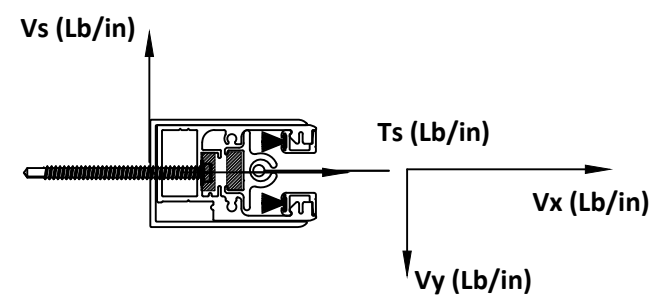
TABLE 3 - ANCHOR SPACING						ANCHOR TYPE & SPACING WALL - MOUNT 1								ANCHOR TYPE & SPACING 2X3, 2X4, 4X4 OR 6X6 BO - MOUNT 2							
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F	G	A	B	C	D	E	F	G		
168	35	98.5	20.4	98.5	253.7	12	12	6	12	12	12	6	12	5	3	4	9	4	-		
	40	98.5	23.3	98.5	256.7	12	12	6	12	12	12	6	12	5	3	4	9	4	-		
	45	98.5	26.3	98.5	259.7	12	12	6	12	12	12	6	12	5	3	4	8	4	-		
	50	98.5	29.2	98.5	262.7	12	12	6	12	12	12	6	12	5	-	4	8	4	-		
	55	98.5	32.1	98.5	265.7	12	12	6	12	12	12	6	12	5	-	4	8	4	-		
	60	98.5	35.0	98.5	268.6	12	12	6	12	12	12	6	12	5	-	4	8	4	-		
	65	98.5	37.9	98.5	272.0	12	12	6	12	12	12	6	12	4	-	4	8	4	-		
	66.7	98.5	38.9	98.5	273.3	12	12	6	12	12	12	6	12	4	-	4	8	4	-		
	70	98.5	40.8	98.5	275.9	12	12	6	12	12	12	6	12	4	-	4	8	4	-		
	75	98.5	43.8	98.5	279.9	12	12	6	12	12	12	6	12	4	-	4	8	3	-		
	80	98.5	46.7	98.5	283.8	12	12	6	12	12	12	6	12	4	-	4	7	3	-		
	85	98.5	49.6	98.5	287.7	12	12	6	12	12	12	6	12	4	-	4	7	3	-		
	90	98.5	52.5	98.5	291.7	12	12	6	12	12	12	6	12	4	-	3	7	3	-		
95	98.5	55.4	98.5	295.6	12	12	6	12	12	12	6	12	4	-	3	7	3	-			
100	98.5	58.3	98.5	299.5	12	12	6	12	12	12	6	12	4	-	3	7	3	-			
105	98.5	61.3	98.5	303.4	12	12	6	12	12	12	6	12	4	-	3	7	3	-			
110	98.5	64.2	98.5	307.4	12	12	6	12	12	12	6	12	4	-	3	7	3	-			
192	35	91.6	20.4	91.6	186.8	12	12	7	12	12	12	6	12	9	5	8	12	7	4		
	40	91.6	23.3	91.6	189.8	12	12	7	12	12	12	6	12	9	5	7	12	7	3		
	45	91.6	26.3	91.6	192.8	12	12	7	12	12	12	6	12	8	5	7	12	7	3		
	50	91.6	29.2	91.6	196.7	12	12	7	12	12	12	6	12	8	4	7	12	7	3		
	55	91.6	32.1	91.6	200.6	12	12	7	12	12	12	6	12	8	4	7	12	6	3		
	60	91.6	35.0	91.6	204.6	12	12	7	12	12	12	6	12	8	4	7	12	6	3		
	65	91.6	37.9	91.6	208.5	12	12	7	12	12	12	6	12	7	4	6	12	6	3		
	66.7	91.6	38.9	91.6	209.8	12	12	7	12	12	12	6	12	7	4	6	12	6	3		
	70	91.6	40.8	91.6	212.4	12	12	7	12	12	12	6	12	7	4	6	12	6	3		
	75	91.6	43.8	91.6	216.4	12	12	7	12	12	12	6	12	7	4	6	12	6	3		
80	91.6	46.7	91.6	220.3	12	12	7	12	12	12	6	12	7	4	6	12	6	3			
85	91.6	49.6	91.6	224.2	12	12	7	12	12	12	6	12	7	4	6	12	5	3			
216	35	78.4	26.3	78.4	212.3	12	12	10	12	12	12	6	12	7	4	6	12	6	3		
	40	78.4	30.0	78.4	216.3	12	12	10	12	12	12	6	12	7	4	6	12	5	3		
	45	78.4	33.8	78.4	221.4	12	12	10	12	12	12	6	12	6	4	6	11	5	3		
	50	78.4	37.5	78.4	226.4	12	12	10	12	12	12	6	12	6	3	6	11	5	3		
	55	78.4	41.3	78.4	231.5	12	12	10	12	12	12	6	12	6	3	5	11	5	-		
	60	78.4	45.0	78.4	236.6	12	12	10	12	12	12	6	12	6	3	5	11	5	-		
	65	78.4	48.8	78.4	241.6	12	12	9	12	12	12	6	12	6	3	5	10	5	-		
66.7	78.4	50.0	78.4	243.3	12	12	9	12	12	12	6	12	6	3	5	10	5	-			
240	35	83.2	29.2	83.2	226.6	12	12	9	12	12	12	6	12	6	3	5	11	5	-		
	40	83.2	33.3	83.2	231.6	12	12	9	12	12	12	6	12	6	3	5	10	5	-		
	45	83.2	37.5	83.2	237.2	12	12	9	12	12	12	6	12	6	3	5	10	5	-		
	50	83.2	41.7	83.2	242.8	12	12	9	12	12	12	6	12	6	3	5	10	5	-		
	55	83.2	45.8	83.2	248.4	12	12	9	12	12	12	6	12	5	3	5	10	4	-		
	60	83.2	50.0	83.2	254.1	12	12	9	12	12	12	6	12	5	3	5	9	4	-		
264	35	85.9	32.1	85.9	236.0	12	12	8	12	12	12	6	12	6	3	5	10	5	-		
	40	85.9	36.7	85.9	242.2	12	12	8	12	12	12	6	12	6	3	5	10	5	-		
	45	85.9	41.3	85.9	248.3	12	12	8	12	12	12	6	12	5	3	5	9	4	-		
	50	85.9	45.8	85.9	254.5	12	12	8	12	12	12	6	12	5	3	5	9	4	-		
300	35	85.7	36.5	85.7	241.4	12	12	8	12	12	12	6	12	6	3	5	10	5	-		
	40	85.7	41.7	85.7	248.5	12	12	8	12	12	12	6	12	5	3	5	9	4	-		
	45	85.7	46.9	85.7	255.5	12	12	8	12	12	12	6	12	5	3	4	9	4	-		
320	35	83.3	38.9	83.3	239.2	12	12	9	12	12	12	6	12	6	3	5	10	5	-		
	40	83.3	44.4	83.3	246.7	12	12	9	12	12	12	6	12	5	3	5	10	4	-		
360	35	88.4	43.8	88.4	209.1	12	12	8	12	12	12	6	12	7	4	6	12	6	3		

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TYPICAL HORIZONTAL SECTIONS
INSET MOUNT



A
10
HORIZONTAL SECTION
MOUNT TYPE 3
INSET MOUNT
*WITH END RETENTION



CONTRACTOR TO VERIFY ADEQUACY OF STRUCTURE
NOTE: LOADS Vy AND Vx ARE LOADS IMPOSED BY TRACK ON HOUSING. LOADS Ts AND Vs ARE LOADS IMPOSED ON STRUCTURE BY ANCHORS.
NOTE: Ts AND Vs VALUES ARE TOTAL LOAD APPLIED BY BOTH SCREWS.

SEE SHEETS 11 & 12 FOR ANCHOR SPACING TABLES

ANCHOR SCHEDULE:				
Anchor	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" DEWALT/POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
C	3/8" DEWALT/POWERS WEDGE BOLT	GROUT FILLED C-90 BLOCK f'm ≥ 1500 PSI	2"	2 1/2"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK f'm ≥ 2000 PSI	4"	2 1/4"
E	#14 DEWALT/ELCO DRIL-FLEX SELF DRILLING SCREW	MIN. 1/4" 6063-T6 ALUM.	1/2"	3 THREADS PENETRATION
		A36 3/16" STEEL	3/8"	
F	5/16" DEWALT/ELCO ULTRA CON	MIN. SG = 0.55 WOOD	1 1/2"	2"
G	1/4" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 1/2"	1 3/4"



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

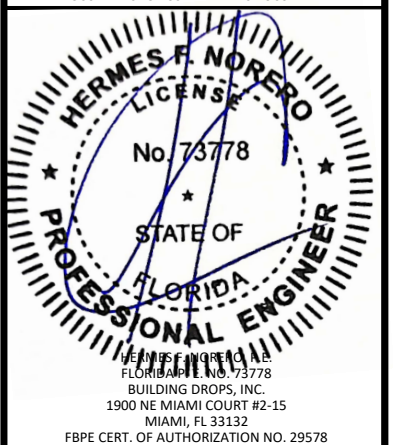
TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
TYP. HORIZONTAL SECTION - INSET
MOUNT

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL#:
FL30798

DATE: 10.15.19

DWG. BY: SM/AR
CHK. BY: HFN

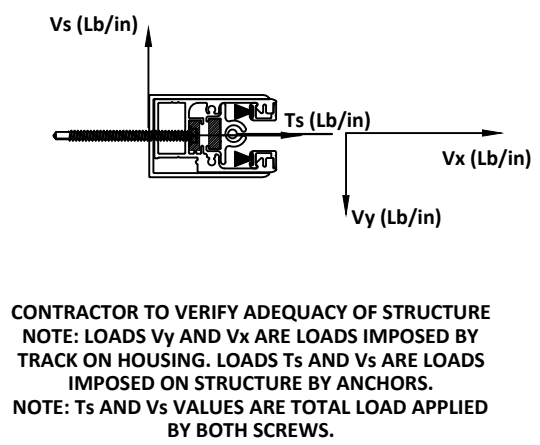
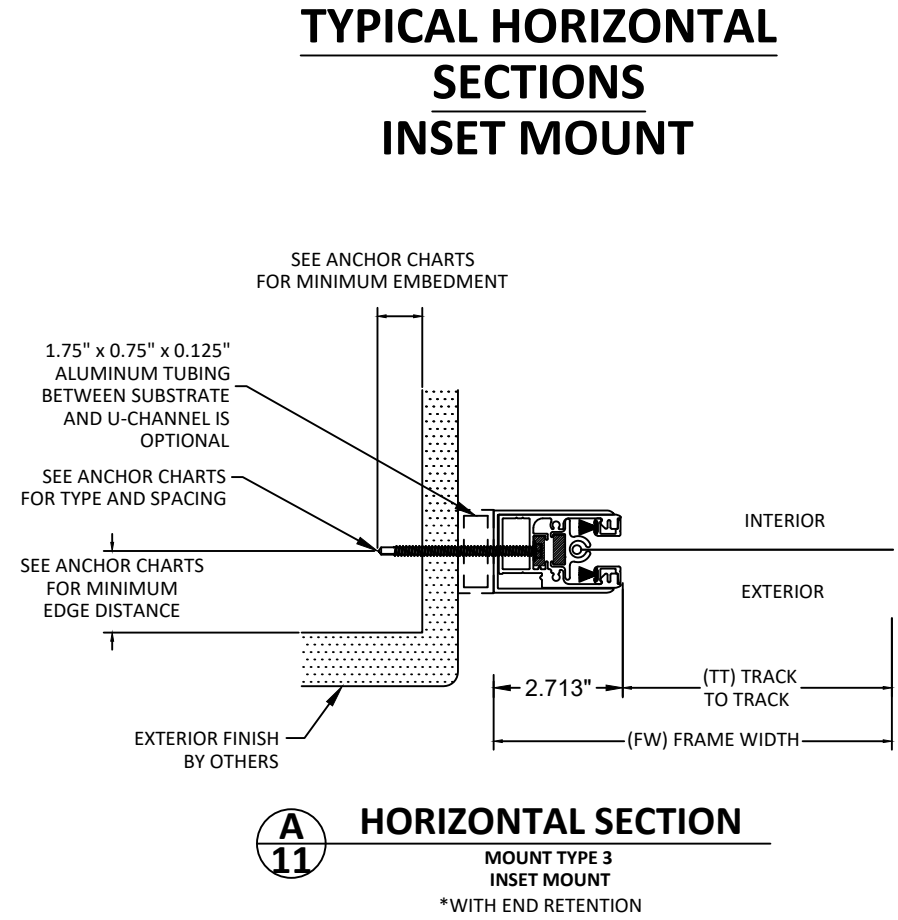
SCALE: NTS

DWG. #: PRG003

SHEET: 10 OF 34

c:\users\dylanwata\building drops, inc\building drops landing - common\projects\progressive screens\fbc-25-0633 - fbc submittal - fl30798 magnatrack hurricane system - hood revision\dwgs\prg003.dwg
9/8/2025 12:03 PM

TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING							
						U CHANNEL INSET - MOUNT 3							
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F	G	
72	35	63.99	8.75	8.75	90.50	12	12	12	12	12	12	6	
	40	63.99	10.00	10.00	94.45	12	12	12	12	12	12	6	
	45	63.99	11.25	11.25	98.40	12	12	12	12	12	12	6	
	50	63.99	12.50	12.50	102.35	12	12	12	12	12	12	6	
	55	63.99	13.75	13.75	106.30	12	12	12	12	12	12	6	
	60	63.99	15.00	15.00	110.25	12	12	12	12	12	12	6	
	65	63.99	16.25	16.25	114.20	12	12	12	12	12	12	6	
	66.7	63.99	16.68	16.68	115.54	12	12	12	12	12	12	6	
	70	63.99	17.50	17.50	118.15	12	12	12	12	12	12	6	
	75	63.99	18.75	18.75	122.10	12	12	12	12	12	12	6	
	80	63.99	20.00	20.00	126.05	12	12	12	12	12	12	6	
	85	63.99	21.25	21.25	130.00	12	12	12	12	12	12	6	
	90	63.99	22.50	22.50	133.95	12	12	12	12	12	12	6	
	95	63.99	23.75	23.75	137.90	12	12	11	12	12	12	6	
	100	63.99	25.00	25.00	141.85	12	12	11	12	12	12	6	
	105	63.99	26.25	26.25	145.80	12	12	10	12	12	12	6	
	110	63.99	27.50	27.50	149.75	12	12	10	12	12	12	6	
	115	63.99	28.75	28.75	153.70	12	12	9	12	12	12	6	
	120	63.99	30.00	30.00	157.65	12	12	9	12	12	11	6	
	125	63.99	31.25	31.25	161.60	12	12	8	11	12	11	6	
84	130	63.99	32.50	32.50	165.55	12	12	8	11	12	10	5	
	135	63.99	33.75	33.75	169.50	12	11	8	11	12	10	5	
	140	63.99	35.00	35.00	173.45	12	11	7	10	12	9	5	
	145	63.99	36.25	36.25	177.39	12	11	7	10	12	9	5	
	150	63.99	37.50	37.50	181.34	12	10	7	9	12	9	4	
	155	63.99	38.75	38.75	185.29	12	10	6	9	12	8	4	
	160	63.99	40.00	40.00	189.24	12	9	6	9	12	8	4	
	165	63.99	41.25	41.25	193.19	12	9	6	8	12	8	4	
	170	63.99	42.50	42.50	197.14	12	9	6	8	12	7	4	
	175	63.99	43.75	43.75	201.09	12	8	5	8	12	7	4	
	180	63.99	45.00	45.00	205.04	12	8	5	7	12	7	4	
	185	63.99	46.25	46.25	208.99	12	8	5	7	12	7	3	
	190	63.99	47.50	47.50	212.94	12	8	5	7	12	6	3	
	195	63.99	48.75	48.75	216.89	12	7	5	7	12	6	3	
	200	63.99	50.00	50.00	220.84	12	7	5	6	12	6	3	
	35	73.40	10.21	10.21	104.35	12	12	12	12	12	12	6	
	40	73.40	11.67	11.67	108.96	12	12	12	12	12	12	6	
	45	73.40	13.13	13.13	113.57	12	12	12	12	12	12	6	
	50	73.40	14.58	14.58	118.18	12	12	12	12	12	12	6	
	55	73.40	16.04	16.04	122.78	12	12	12	12	12	12	6	
	60	73.40	17.50	17.50	127.39	12	12	12	12	12	12	6	
	65	73.40	18.96	18.96	132.00	12	12	12	12	12	12	6	
	66.7	73.40	19.45	19.45	133.57	12	12	12	12	12	12	6	
	70	73.40	20.42	20.42	136.61	12	12	12	12	12	12	6	
	75	73.40	21.88	21.88	141.22	12	12	11	12	12	12	6	
	80	73.40	23.33	23.33	145.82	12	12	11	12	12	12	6	
	85	73.40	24.79	24.79	150.43	12	12	10	12	12	12	6	
	90	73.40	26.25	26.25	155.04	12	12	9	12	12	12	6	
	95	73.40	27.71	27.71	159.65	12	12	9	12	12	11	6	
	100	73.40	29.17	29.17	164.26	12	12	8	11	12	11	6	
	105	73.40	30.63	30.63	168.86	12	12	8	11	12	10	5	
	110	73.40	32.08	32.08	173.47	12	11	8	10	12	10	5	
	115	73.40	33.54	33.54	178.08	12	11	7	10	12	9	5	
	120	73.40	35.00	35.00	182.69	12	10	7	9	12	9	4	
	125	73.40	36.46	36.46	187.30	12	10	6	9	12	8	4	
	130	73.40	37.92	37.92	191.90	12	9	6	8	12	8	4	
	135	73.40	39.38	39.38	196.51	12	9	6	8	12	8	4	
	140	73.40	40.83	40.83	201.12	12	8	6	8	12	7	4	
	145	73.40	42.29	42.29	205.73	12	8	5	7	12	7	4	
	150	73.40	43.75	43.75	210.34	12	8	5	7	12	7	3	
	155	73.40	45.21	45.21	214.94	12	8	5	7	12	6	3	
	160	73.40	46.67	46.67	219.55	12	7	5	7	12	6	3	
	165	73.40	48.13	48.13	224.16	12	7	5	6	12	6	3	
	170	73.40	49.58	49.58	228.77	12	7	4	6	12	6	3	
	175	73.40	51.04	51.04	233.38	12	6	4	6	12	5	3	
	180	73.40	52.50	52.50	237.98	12	6	4	6	12	5	3	
	185	73.40	53.96	53.96	242.59	12	6	4	5	12	5	3	



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
HORIZONTAL SECTION / ANCHOR
SCHEDULE - INSET MOUNT

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

HERMES F. NORERO
LICENSE
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO
FLORIDA LICENSE NO. 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT #2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

FL#: **FL30798**

DATE: **10.15.19**

DWG. BY: SM/AR	CHK. BY: HFN
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SCALE: **NTS**

DWG. #: **PRG003**

SHEET: **11** OF 34

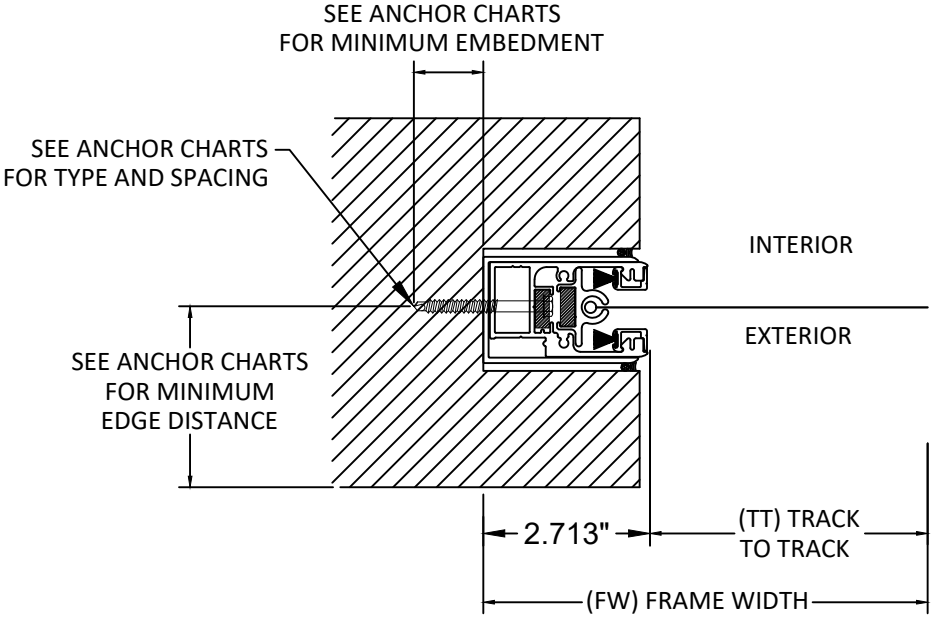
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TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING U CHANNEL INSET - MOUNT 3						
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F	G
96	35	81.46	11.67	11.67	116.87	12	12	12	12	12	12	6
	40	81.46	13.33	13.33	122.14	12	12	12	12	12	12	6
	45	81.46	15.00	15.00	127.41	12	12	12	12	12	12	6
	50	81.46	16.67	16.67	132.67	12	12	12	12	12	12	6
	55	81.46	18.33	18.33	137.94	12	12	12	12	12	12	6
	60	81.46	20.00	20.00	143.20	12	12	11	12	12	12	6
	65	81.46	21.67	21.67	148.47	12	12	10	12	12	12	6
	66.7	81.46	22.23	22.23	150.26	12	12	10	12	12	12	6
	70	81.46	23.33	23.33	153.74	12	12	10	12	12	12	6
	75	81.46	25.00	25.00	159.00	12	12	9	12	12	11	6
	80	81.46	26.67	26.67	164.27	12	12	9	11	12	11	6
	85	81.46	28.33	28.33	169.54	12	12	8	11	12	10	5
	90	81.46	30.00	30.00	174.80	12	11	8	10	12	10	5
	95	81.46	31.67	31.67	180.07	12	10	7	10	12	9	5
	100	81.46	33.33	33.33	185.34	12	10	7	9	12	9	4
	105	81.46	35.00	35.00	190.60	12	9	6	9	12	8	4
	110	81.46	36.67	36.67	195.87	12	9	6	8	12	8	4
	115	81.46	38.33	38.33	201.13	12	9	6	8	12	7	4
	120	81.46	40.00	40.00	206.40	12	8	5	7	12	7	4
	125	81.46	41.67	41.67	211.67	12	8	5	7	12	7	3
	130	81.46	43.33	43.33	216.93	12	7	5	7	12	6	3
	135	81.46	45.00	45.00	222.20	12	7	5	6	12	6	3
	140	81.46	46.67	46.67	227.47	12	7	4	6	12	6	3
	145	81.46	48.33	48.33	232.73	12	7	4	6	12	6	3
	150	81.46	50.00	50.00	238.00	12	6	4	6	12	5	3
	155	81.46	51.67	51.67	243.26	12	6	4	5	12	5	3
	160	81.46	53.33	53.33	248.53	12	6	4	5	12	5	2
	165	81.46	55.00	55.00	253.80	12	6	4	5	11	5	2
	170	81.46	56.67	56.67	259.06	12	5	3	5	11	5	2
	175	81.46	58.33	58.33	264.33	12	5	3	5	10	4	2
108	35	88.08	13.13	13.13	127.99	12	12	12	12	12	12	6
	40	88.08	15.00	15.00	133.92	12	12	12	12	12	12	6
	45	88.08	16.88	16.88	139.84	12	12	12	12	12	12	6
	50	88.08	18.75	18.75	145.77	12	12	11	12	12	12	6
	55	88.08	20.63	20.63	151.69	12	12	10	12	12	12	6
	60	88.08	22.50	22.50	157.62	12	12	9	12	12	12	6
	65	88.08	24.38	24.38	163.54	12	12	9	12	12	11	6
	66.7	88.08	25.01	25.01	165.55	12	12	9	11	12	11	6
	70	88.08	26.25	26.25	169.46	12	12	8	11	12	10	5
	75	88.08	28.13	28.13	175.39	12	11	8	10	12	10	5
	80	88.08	30.00	30.00	181.31	12	10	7	10	12	9	5
	85	88.08	31.88	31.88	187.24	12	10	7	9	12	8	4
	90	88.08	33.75	33.75	193.16	12	9	6	9	12	8	4
	95	88.08	35.63	35.63	199.09	12	9	6	8	12	8	4
	100	88.08	37.50	37.50	205.01	12	8	6	8	12	7	4
	105	88.08	39.38	39.38	210.94	12	8	5	7	12	7	3
	110	88.08	41.25	41.25	216.86	12	7	5	7	12	6	3
	115	88.08	43.13	43.13	222.79	12	7	5	7	12	6	3
	120	88.08	45.00	45.00	228.71	12	7	4	6	12	6	3
	125	88.08	46.88	46.88	234.63	12	6	4	6	12	6	3
	130	88.08	48.75	48.75	240.56	12	6	4	6	12	5	3
	135	88.08	50.63	50.63	246.48	12	6	4	5	12	5	2
	140	88.08	52.50	52.50	252.41	12	6	4	5	12	5	2
	145	88.08	54.38	54.38	258.33	12	5	3	5	11	5	2
	150	88.08	56.25	56.25	264.26	12	5	3	5	11	4	2
	155	88.08	58.13	58.13	270.18	12	5	3	5	10	4	2
	160	88.08	60.00	60.00	276.11	12	5	3	4	10	4	2
	165	88.08	61.88	61.88	282.03	12	5	3	4	9	4	2

TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING U CHANNEL INSET - MOUNT 3						
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F	G
120	35	93.24	14.58	14.58	137.66	12	12	12	12	12	12	6
	40	93.24	16.67	16.67	144.24	12	12	11	12	12	12	6
	45	93.24	18.75	18.75	150.83	12	12	10	12	12	12	6
	50	93.24	20.83	20.83	157.41	12	12	10	12	12	12	6
	55	93.24	22.92	22.92	163.99	12	12	9	12	12	11	6
	60	93.24	25.00	25.00	170.57	12	12	8	11	12	10	5
	65	93.24	27.08	27.08	177.16	12	11	8	10	12	9	5
	66.7	93.24	27.79	27.79	179.40	12	11	7	10	12	9	5
	70	93.24	29.17	29.17	183.74	12	10	7	9	12	9	5
	75	93.24	31.25	31.25	190.32	12	10	7	9	12	8	4
	80	93.24	33.33	33.33	196.91	12	9	6	8	12	8	4
	85	93.24	35.42	35.42	203.49	12	8	6	8	12	7	4
	90	93.24	37.50	37.50	210.07	12	8	5	7	12	7	3
	95	93.24	39.58	39.58	216.65	12	8	5	7	12	6	3
	100	93.24	41.67	41.67	223.24	12	7	5	7	12	6	3
	105	93.24	43.75	43.75	229.82	12	7	4	6	12	6	3
	110	93.24	45.83	45.83	236.40	12	6	4	6	12	5	3
	115	93.24	47.92	47.92	242.99	12	6	4	6	12	5	3
	120	93.24	50.00	50.00	249.57	12	6	4	5	12	5	2
	125	93.24	52.08	52.08	256.15	12	6	4	5	11	5	2
	130	93.24	54.17	54.17	262.73	12	5	3	5	11	4	2
	135	93.24	56.25	56.25	269.32	12	5	3	5	10	4	2
	140	93.24	58.33	58.33	275.90	12	5	3	4	10	4	2
	145	93.24	60.42	60.42	282.48	12	5	3	4	9	4	2
132	35	96.87	16.04	16.04	145.84	12	12	11	12	12	12	6
	40	96.87	18.33	18.33	153.08	12	12	10	12	12	12	6
	45	96.87	20.63	20.63	160.32	12	12	9	12	12	11	6
	50	96.87	22.92	22.92	167.56	12	12	9	11	12	11	6
	55	96.87	25.21	25.21	174.80	12	11	8	10	12	10	5
	60	96.87	27.50	27.50	182.05	12	10	7	10	12	9	5
	65	96.87	29.79	29.79	189.29	12	10	7	9	12	8	4
	66.7	96.87	30.57	30.57	191.75	12	9	7	9	12	8	4
	70	96.87	32.08	32.08	196.53	12	9	6	8	12	8	4
	75	96.87	34.38	34.38	203.77	12	8	6	8	12	7	4
	80	96.87	36.67	36.67	211.01	12	8	5	7	12	7	3
	85	96.87	38.96	38.96	218.25	12	7	5	7	12	6	3
	90	96.87	41.25	41.25	225.49	12	7	5	6	12	6	3
	95	96.87	43.54	43.54	232.73	12	7	4	6	12	6	3
	100	96.87	45.83	45.83	239.97	12	6	4	6	12	5	3
	105	96.87	48.13	48.13	247.22	12	6	4	5	12	5	3
	110	96.87	50.42	50.42	254.46	12	6	4	5	12	5	2
	115	96.87	52.71	52.71	261.70	12	5	3	5	11	5	2
	120	96.87	55.00	55.00	268.94	12	5	3	5	10	4	2
	125	96.87	57.29	57.29	276.18	12	5	3	4	10	4	2
	130	96.87	59.58	59.58	283.42	12	5	3	4	9	4	2
	135	96.87	61.88	61.88	290.66	12	4	3	4	9	4	2
	140	96.87	64.17	64.17	297.90	12	4	3	4	9	3	2
	144	35	98.97	17.50	17.50	152.51	12	12	10	12	12	12
40		98.97	20.00	20.00	160.41	12	12	9	12	12	11	6
45		98.97	22.50	22.50	168.31	12	12	9	11	12	10	5
50		98.97	25.00	25.00	176.21	12	11	8	10	12	10	5
55		98.97	27.50	27.50	184.10	12	10	7	9	12	9	5
60		98.97	30.00	30.00	192.00	12	9	7	9	12	8	4
65		98.97	32.50	32.50	199.90	12	9	6	8	12	8	4
66.7		98.97	33.35	33.35	202.59	12	9	6	8	12	7	4
70		98.97	35.00	35.00	207.80	12	8	6	8	12	7	4
75		98.97	37.50	37.50	215.70	12	8	5	7	12	7	3
80		98.97	40.00	40.00	223.60	12	7	5	7	12	6	3
85		98.97	42.50	42.50	231.50	12	7	4	6	12	6	3
90		98.97	45.00	45.00	239.40	12	6	4	6	12	5	3
95		98.97	47.50	47.50	247.30	12	6	4	5	12	5	3
100		98.97	50.00	50.00	255.20	12	6	4	5	12	5	2
105		98.97	52.50	52.50	263.10	12	5	3	5	11	4	2
110		98.97	55.00	55.00	271.00	12	5	3	5	10	4	2
115		98.97	57.50	57.50	278.90	12	5	3	4	10	4	2
120		98.97	60.00	60.00	286.80	12	4	3	4	9	4	2
125		98.97	62.50	62.50	294.70	12	4	3	4	9	4	2
130		98.97	65.00	65.00	302.60	12	4	3	4	8	3	2

c:\users\dylanwata\building drops, inc\building drops landing - common\projects\progressive screens\fbc-25-0633 - fbc submittal - fl30798 magnatrack hurricane system - hood revision\dwgs\prg003.dwg
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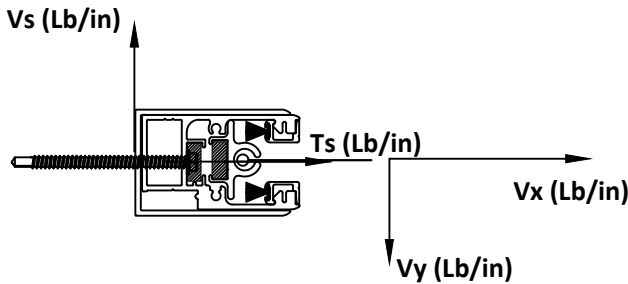
TYPICAL HORIZONTAL SECTIONS
RECESSED MOUNT



A
13

HORIZONTAL SECTION

MOUNT TYPE 4
RECESSED MOUNT
*WITH END RETENTION



CONTRACTOR TO VERIFY ADEQUACY OF STRUCTURE
NOTE: LOADS V_y AND V_x ARE LOADS IMPOSED BY
TRACK ON HOUSING. LOADS T_s AND V_s ARE LOADS
IMPOSED ON STRUCTURE BY ANCHORS.

SEE SHEETS 14 & 15 FOR ANCHOR SPACING TABLES

ANCHOR SCHEDULE:				
Anchor	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" DEWALT/POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
C	3/8" DEWALT/POWERS WEDGE BOLT	GROUT FILLED C-90 BLOCK $f'm \geq 1500$ PSI	2"	2 1/2"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK $f'm \geq 2000$ PSI	4"	2 1/4"
E	#14 DEWALT/ELCO DRIL-FLEX SELF DRILLING SCREW	MIN. 1/4" 6063-T6 ALUM.	1/2"	3 THREADS PENETRATION
		A36 3/16" STEEL	3/8"	
F	5/16" DEWALT/ELCO ULTRA CON	MIN. SG = 0.55 WOOD	1 1/2"	2"
G	1/4" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 1/2"	1 3/4"



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)

HORIZONTAL SECTION / ANCHOR
SCHEDULE - RECESSED MOUNT

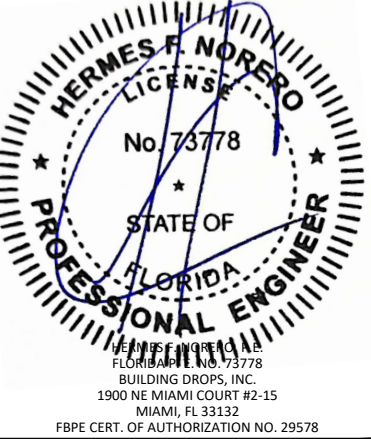
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR USE WITH THIS DOCUMENT.



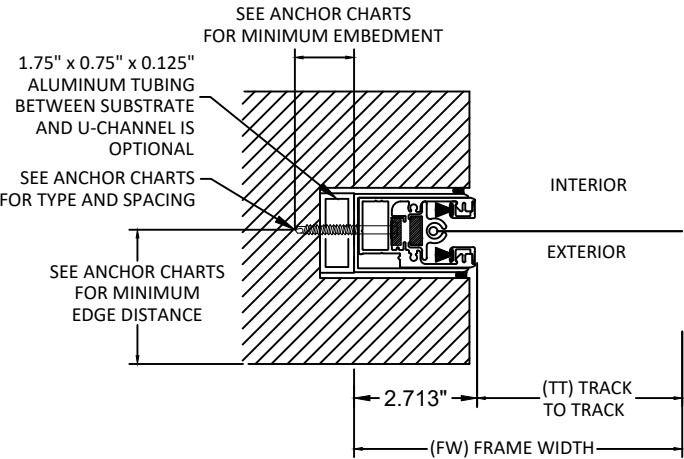
FL#:		FL30798
DATE:		10.15.19
DWG. BY:	CHK. BY:	
SM/AR	HFN	
SCALE:		NTS
DWG. #:		PRG003
SHEET:		OF 34

13

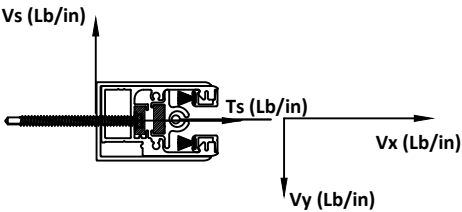
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TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING RECESSED MOUNT - MOUNT 4							
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F	G	
72	35	0.00	8.75	8.75	22.28	12	12	12	12	12	12	6	
	40	63.99	10.00	10.00	89.45	12	12	12	12	12	12	6	
	45	63.99	11.25	11.25	92.64	12	12	12	12	12	12	6	
	50	63.99	12.50	12.50	95.82	12	12	12	12	12	12	6	
	55	63.99	13.75	13.75	99.00	12	12	12	12	12	12	6	
	60	63.99	15.00	15.00	102.19	12	12	12	12	12	12	6	
	65	63.99	16.25	16.25	105.37	12	12	12	12	12	12	6	
	66.7	63.99	16.68	16.68	106.45	12	12	12	12	12	12	6	
	70	63.99	17.50	17.50	108.55	12	12	12	12	12	12	6	
	75	63.99	18.75	18.75	111.73	12	12	12	12	12	12	6	
	80	63.99	20.00	20.00	114.92	12	12	12	12	12	12	6	
	85	63.99	21.25	21.25	118.10	12	12	12	12	12	12	6	
	90	63.99	22.50	22.50	121.28	12	12	12	12	12	12	6	
	95	63.99	23.75	23.75	124.47	12	12	12	12	12	12	6	
	100	63.99	25.00	25.00	127.65	12	12	12	12	12	12	6	
	105	63.99	26.25	26.25	130.83	12	12	12	12	12	12	6	
	110	63.99	27.50	27.50	134.02	12	12	11	12	12	12	6	
	115	63.99	28.75	28.75	137.20	12	12	11	12	12	12	6	
	120	63.99	30.00	30.00	140.38	12	12	10	12	12	12	6	
	125	63.99	31.25	31.25	143.56	12	12	10	12	12	12	6	
84	130	63.99	32.50	32.50	146.75	12	12	10	12	12	12	6	
	135	63.99	33.75	33.75	149.93	12	12	9	12	12	12	6	
	140	63.99	35.00	35.00	153.11	12	12	9	12	12	11	6	
	145	63.99	36.25	36.25	156.30	12	12	8	12	12	11	6	
	150	63.99	37.50	37.50	159.48	12	12	8	11	12	11	6	
	155	63.99	38.75	38.75	162.66	12	12	8	11	12	10	5	
	160	63.99	40.00	40.00	165.85	12	12	7	11	12	10	5	
	165	63.99	41.25	41.25	169.03	12	11	7	10	12	10	5	
	170	63.99	42.50	42.50	172.21	12	11	7	10	12	9	5	
	175	63.99	43.75	43.75	175.40	12	11	7	10	12	9	5	
	180	63.99	45.00	45.00	178.58	12	10	6	9	12	9	4	
	185	63.99	46.25	46.25	181.76	12	10	6	9	12	8	4	
	190	63.99	47.50	47.50	184.94	12	10	6	9	12	8	4	
	195	63.99	48.75	48.75	188.13	12	9	6	8	12	8	4	
	200	63.99	50.00	50.00	191.31	12	9	6	8	12	8	4	
	35	73.40	10.21	10.21	99.39	12	12	12	12	12	12	6	
	40	73.40	11.67	11.67	103.11	12	12	12	12	12	12	6	
	45	73.40	13.13	13.13	106.82	12	12	12	12	12	12	6	
	50	73.40	14.58	14.58	110.53	12	12	12	12	12	12	6	
	55	73.40	16.04	16.04	114.25	12	12	12	12	12	12	6	
	60	73.40	17.50	17.50	117.96	12	12	12	12	12	12	6	
	65	73.40	18.96	18.96	121.67	12	12	12	12	12	12	6	
	66.7	73.40	19.45	19.45	122.94	12	12	12	12	12	12	6	
	70	73.40	20.42	20.42	125.39	12	12	12	12	12	12	6	
	75	73.40	21.88	21.88	129.10	12	12	12	12	12	12	6	
	80	73.40	23.33	23.33	132.82	12	12	12	12	12	12	6	
	85	73.40	24.79	24.79	136.53	12	12	12	12	12	12	6	
	90	73.40	26.25	26.25	140.24	12	12	11	12	12	12	6	
	95	73.40	27.71	27.71	143.96	12	12	10	12	12	12	6	
	100	73.40	29.17	29.17	147.67	12	12	10	12	12	12	6	
	105	73.40	30.63	30.63	151.38	12	12	9	12	12	12	6	
	110	73.40	32.08	32.08	155.10	12	12	9	12	12	11	6	
	115	73.40	33.54	33.54	158.81	12	12	8	12	12	11	6	
	120	73.40	35.00	35.00	162.52	12	12	8	11	12	10	5	
	125	73.40	36.46	36.46	166.24	12	12	8	11	12	10	5	
	130	73.40	37.92	37.92	169.95	12	11	7	10	12	10	5	
	135	73.40	39.38	39.38	173.66	12	11	7	10	12	9	5	
	140	73.40	40.83	40.83	177.38	12	10	7	9	12	9	5	
	145	73.40	42.29	42.29	181.09	12	10	6	9	12	9	4	
	150	73.40	43.75	43.75	184.80	12	10	6	9	12	8	4	
	155	73.40	45.21	45.21	188.52	12	9	6	8	12	8	4	
	160	73.40	46.67	46.67	192.23	12	9	6	8	12	8	4	
	165	73.40	48.13	48.13	195.95	12	9	5	8	12	7	4	
	170	73.40	49.58	49.58	199.66	12	8	5	8	12	7	4	
	175	73.40	51.04	51.04	203.37	12	8	5	7	12	7	3	
	180	73.40	52.50	52.50	207.09	12	8	5	7	12	7	3	
	185	73.40	53.96	53.96	210.80	12	8	5	7	12	6	3	

TYPICAL HORIZONTAL
SECTIONS
RECESSED MOUNT



A
14
HORIZONTAL SECTION
MOUNT TYPE 4
RECESSED MOUNT
*WITH END RETENTION



CONTRACTOR TO VERIFY ADEQUACY OF STRUCTURE
NOTE: LOADS Vy AND Vx ARE LOADS IMPOSED BY
TRACK ON HOUSING. LOADS Ts AND Vs ARE LOADS
IMPOSED ON STRUCTURE BY ANCHORS.



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)

HORIZONTAL SECTION / ANCHOR
SCHEDULE - RECESSED MOUNT

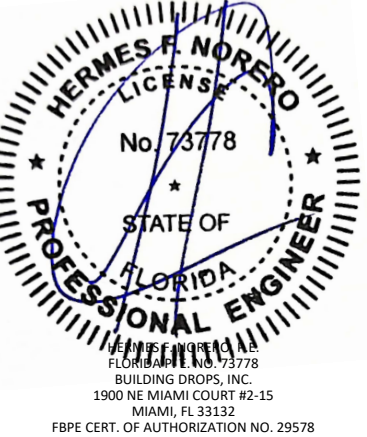
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
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FL#:		FL30798
DATE:		10.15.19
DWG. BY:	CHK. BY:	
SM/AR	HFN	
SCALE:		NTS
DWG. #:		PRG003
SHEET:		OF 34

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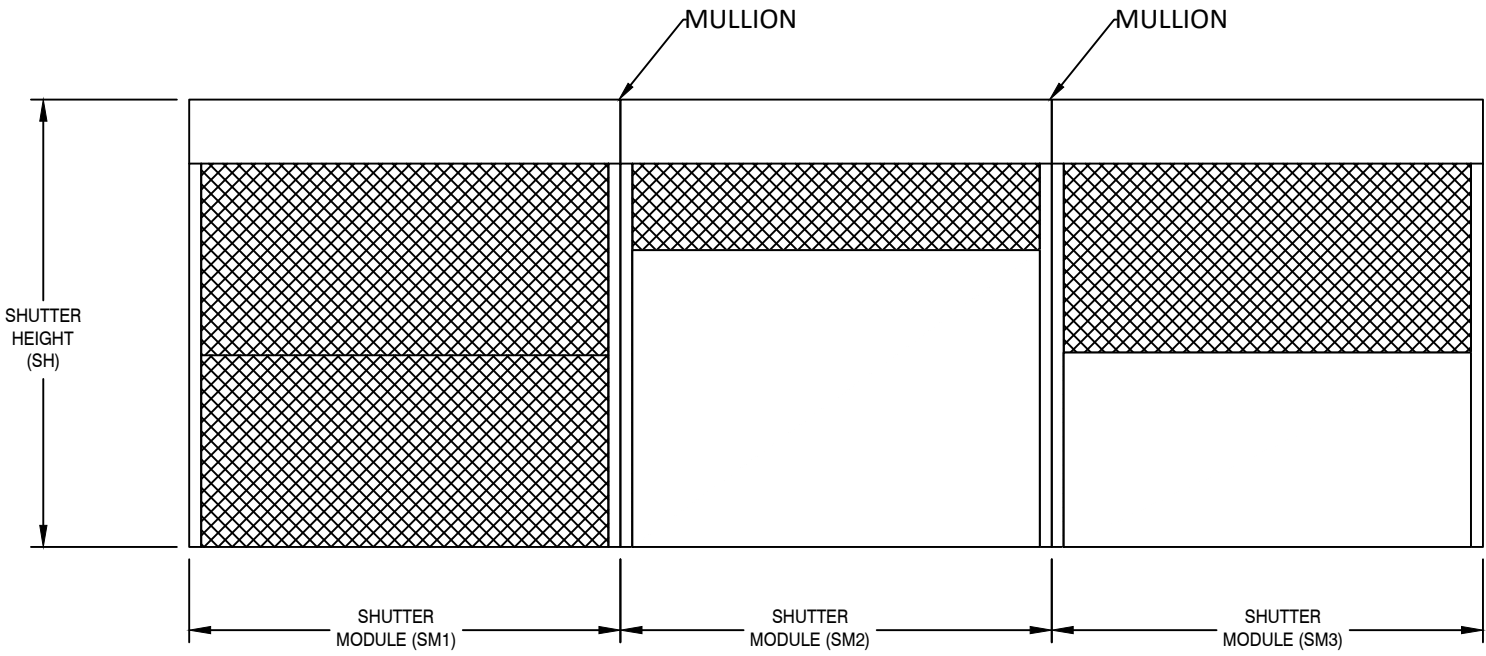
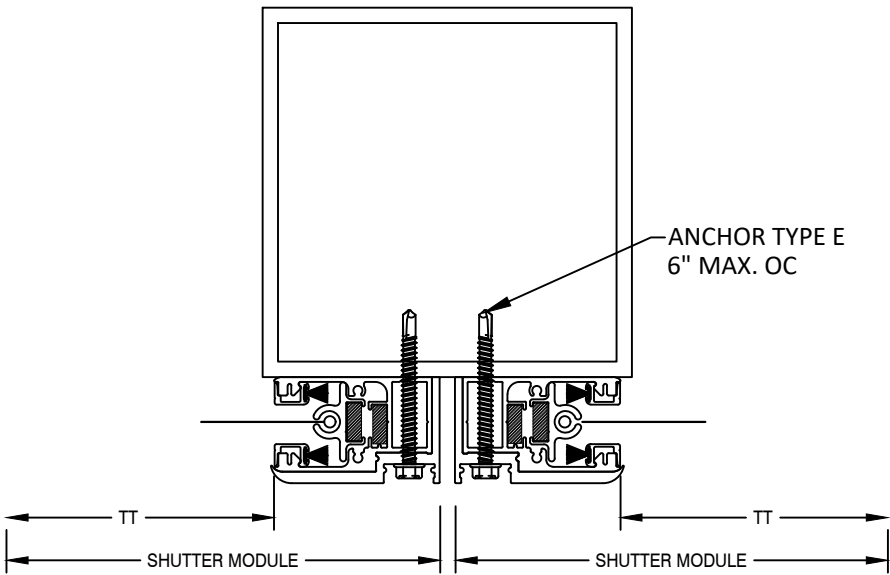
TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING RECESSED MOUNT - MOUNT 4							
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F	G	
96	35	81.46	11.67	11.67	111.16	12	12	12	12	12	12	6	
	40	81.46	13.33	13.33	115.41	12	12	12	12	12	12	6	
	45	81.46	15.00	15.00	119.65	12	12	12	12	12	12	6	
	50	81.46	16.67	16.67	123.90	12	12	12	12	12	12	6	
	55	81.46	18.33	18.33	128.14	12	12	12	12	12	12	6	
	60	81.46	20.00	20.00	132.38	12	12	12	12	12	12	6	
	65	81.46	21.67	21.67	136.63	12	12	12	12	12	12	6	
	66.7	81.46	22.23	22.23	138.07	12	12	12	12	12	12	6	
	70	81.46	23.33	23.33	140.87	12	12	11	12	12	12	6	
	75	81.46	25.00	25.00	145.12	12	12	10	12	12	12	6	
	80	81.46	26.67	26.67	149.36	12	12	10	12	12	12	6	
	85	81.46	28.33	28.33	153.60	12	12	9	12	12	12	6	
	90	81.46	30.00	30.00	157.85	12	12	9	12	12	11	6	
	95	81.46	31.67	31.67	162.09	12	12	8	11	12	11	6	
	100	81.46	33.33	33.33	166.34	12	12	8	11	12	10	5	
	105	81.46	35.00	35.00	170.58	12	11	8	10	12	10	5	
	110	81.46	36.67	36.67	174.82	12	11	7	10	12	9	5	
	115	81.46	38.33	38.33	179.07	12	10	7	9	12	9	5	
	120	81.46	40.00	40.00	183.31	12	10	6	9	12	8	4	
	125	81.46	41.67	41.67	187.56	12	9	6	9	12	8	4	
	130	81.46	43.33	43.33	191.80	12	9	6	8	12	8	4	
108	135	81.46	45.00	45.00	196.04	12	9	6	8	12	7	4	
	140	81.46	46.67	46.67	200.29	12	8	5	8	12	7	4	
	145	81.46	48.33	48.33	204.53	12	8	5	7	12	7	3	
	150	81.46	50.00	50.00	208.78	12	8	5	7	12	7	3	
	155	81.46	51.67	51.67	213.02	12	7	5	7	12	6	3	
	160	81.46	53.33	53.33	217.26	12	7	5	7	12	6	3	
	165	81.46	55.00	55.00	221.51	12	7	4	6	12	6	3	
	170	81.46	56.67	56.67	225.75	12	7	4	6	12	6	3	
	175	81.46	58.33	58.33	230.00	12	6	4	6	12	5	3	
	35	88.08	13.13	13.13	121.51	12	12	12	12	12	12	6	
	40	88.08	15.00	15.00	126.28	12	12	12	12	12	12	6	
	45	88.08	16.88	16.88	131.06	12	12	12	12	12	12	6	
	50	88.08	18.75	18.75	135.83	12	12	12	12	12	12	6	
	55	88.08	20.63	20.63	140.60	12	12	11	12	12	12	6	
	60	88.08	22.50	22.50	145.38	12	12	11	12	12	12	6	
	65	88.08	24.38	24.38	150.15	12	12	10	12	12	12	6	
	66.7	88.08	25.01	25.01	151.78	12	12	10	12	12	12	6	
	70	88.08	26.25	26.25	154.93	12	12	9	12	12	12	6	
	75	88.08	28.13	28.13	159.70	12	12	9	12	12	11	6	
	80	88.08	30.00	30.00	164.48	12	12	8	11	12	11	5	
	85	88.08	31.88	31.88	169.25	12	12	8	11	12	10	5	
108	90	88.08	33.75	33.75	174.03	12	11	7	10	12	9	5	
	95	88.08	35.63	35.63	178.80	12	10	7	10	12	9	5	
	100	88.08	37.50	37.50	183.58	12	10	7	9	12	9	4	
	105	88.08	39.38	39.38	188.35	12	9	6	9	12	8	4	
	110	88.08	41.25	41.25	193.12	12	9	6	8	12	8	4	
	115	88.08	43.13	43.13	197.90	12	9	6	8	12	7	4	
	120	88.08	45.00	45.00	202.67	12	8	5	8	12	7	4	
	125	88.08	46.88	46.88	207.45	12	8	5	7	12	7	3	
	130	88.08	48.75	48.75	212.22	12	8	5	7	12	6	3	
	135	88.08	50.63	50.63	217.00	12	7	5	7	12	6	3	
	140	88.08	52.50	52.50	221.77	12	7	4	6	12	6	3	
	145	88.08	54.38	54.38	226.55	12	7	4	6	12	6	3	
	150	88.08	56.25	56.25	231.32	12	6	4	6	12	5	3	
	155	88.08	58.13	58.13	236.10	12	6	4	6	12	5	3	
	160	88.08	60.00	60.00	240.87	12	6	4	5	12	5	2	
	165	88.08	61.88	61.88	245.64	12	6	4	5	11	5	2	

TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING							
FW	DP	Vx	Vy	Vs	Ts	RECESSED MOUNT - MOUNT 4							
						A	B	C	D	E	F	G	
120	35	93.24	14.58	14.58	130.37	12	12	12	12	12	12	6	
	40	93.24	16.67	16.67	135.68	12	12	12	12	12	12	6	
	45	93.24	18.75	18.75	140.98	12	12	12	12	12	12	6	
	50	93.24	20.83	20.83	146.29	12	12	11	12	12	12	6	
	55	93.24	22.92	22.92	151.59	12	12	10	12	12	12	6	
	60	93.24	25.00	25.00	156.90	12	12	9	12	12	12	6	
	65	93.24	27.08	27.08	162.20	12	12	9	12	12	11	6	
	66.7	93.24	27.79	27.79	164.00	12	12	8	11	12	11	6	
	70	93.24	29.17	29.17	167.51	12	12	8	11	12	10	5	
	75	93.24	31.25	31.25	172.81	12	11	8	10	12	10	5	
	80	93.24	33.33	33.33	178.12	12	11	7	10	12	9	5	
	85	93.24	35.42	35.42	183.42	12	10	7	9	12	9	4	
	90	93.24	37.50	37.50	188.73	12	10	6	9	12	8	4	
	95	93.24	39.58	39.58	194.03	12	9	6	8	12	8	4	
	100	93.24	41.67	41.67	199.34	12	9	6	8	12	7	4	
	105	93.24	43.75	43.75	204.64	12	8	5	7	12	7	4	
	110	93.24	45.83	45.83	209.95	12	8	5	7	12	7	3	
	115	93.24	47.92	47.92	215.25	12	7	5	7	12	6	3	
	120	93.24	50.00	50.00	220.56	12	7	5	6	12	6	3	
	125	93.24	52.08	52.08	225.86	12	7	4	6	12	6	3	
130	93.24	54.17	54.17	231.17	12	7	4	6	12	6	3		
135	93.24	56.25	56.25	236.47	12	6	4	6	12	5	3		
140	93.24	58.33	58.33	241.78	12	6	4	5	12	5	2		
145	93.24	60.42	60.42	247.08	12	6	4	5	11	5	2		
132	35	96.87	16.04	16.04	137.72	12	12	12	12	12	12	6	
	40	96.87	18.33	18.33	143.56	12	12	11	12	12	12	6	
	45	96.87	20.63	20.63	149.39	12	12	10	12	12	12	6	
	50	96.87	22.92	22.92	155.23	12	12	10	12	12	12	6	
	55	96.87	25.21	25.21	161.06	12	12	9	12	12	11	6	
	60	96.87	27.50	27.50	166.90	12	12	8	11	12	10	5	
	65	96.87	29.79	29.79	172.73	12	11	8	10	12	10	5	
	66.7	96.87	30.57	30.57	174.72	12	11	8	10	12	10	5	
	70	96.87	32.08	32.08	178.57	12	11	7	10	12	9	5	
	75	96.87	34.38	34.38	184.40	12	10	7	9	12	9	4	
	80	96.87	36.67	36.67	190.24	12	9	6	9	12	8	4	
	85	96.87	38.96	38.96	196.08	12	9	6	8	12	8	4	
	90	96.87	41.25	41.25	201.91	12	8	6	8	12	7	4	
	95	96.87	43.54	43.54	207.75	12	8	5	7	12	7	3	
	100	96.87	45.83	45.83	213.58	12	8	5	7	12	6	3	
	105	96.87	48.13	48.13	219.42	12	7	5	7	12	6	3	
	110	96.87	50.42	50.42	225.25	12	7	4	6	12	6	3	
	115	96.87	52.71	52.71	231.09	12	7	4	6	12	6	3	
	120	96.87	55.00	55.00	236.92	12	6	4	6	12	5	3	
	125	96.87	57.29	57.29	242.76	12	6	4	5	12	5	2	
130	96.87	59.58	59.58	248.60	12	6	4	5	11	5	2		
135	96.87	61.88	61.88	254.43	12	5	3	5	11	5	2		
140	96.87	64.17	64.17	260.27	12	5	3	5	10	4	2		
144	35	98.97	17.50	17.50	143.53	12	12	11	12	12	12	6	
	40	98.97	20.00	20.00	149.90	12	12	10	12	12	12	6	
	45	98.97	22.50	22.50	156.26	12	12	10	12	12	12	6	
	50	98.97	25.00	25.00	162.63	12	12	9	12	12	11	6	
	55	98.97	27.50	27.50	168.99	12	12	8	11	12	10	5	
	60	98.97	30.00	30.00	175.36	12	11	8	10	12	9	5	
	65	98.97	32.50	32.50	181.73	12	10	7	9	12	9	5	
	66.7	98.97	33.35	33.35	183.89	12	10	7	9	12	9	4	
	70	98.97	35.00	35.00	188.09	12	10	6	9	12	8	4	
	75	98.97	37.50	37.50	194.46	12	9	6	8	12	8	4	
	80	98.97	40.00	40.00	200.82	12	9	6	8	12	7	4	
	85	98.97	42.50	42.50	207.19	12	8	5	7	12	7	3	
	90	98.97	45.00	45.00	213.56	12	8	5	7	12	6	3	
	95	98.97	47.50	47.50	219.92	12	7	5	7	12	6	3	
	100	98.97	50.00	50.00	226.29	12	7	4	6	12	6	3	
	105	98.97	52.50	52.50	232.65	12	6	4	6	12	5	3	
	110	98.97	55.00	55.00	239.02	12	6	4	6	12	5	3	
	115	98.97	57.50	57.50	245.39	12	6	4	5	12	5	2	
	120	98.97	60.00	60.00	251.75	12	6	3	5	11	5	2	
	125	98.97	62.50	62.50	258.12	12	5	3	5	11	4	2	
130	98.97	65.00	65.00	264.49	12	5	3	5	10	4	2		

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EQUALLY SPACED MULLIONS SELECTION

FACE MOUNT
MULLION

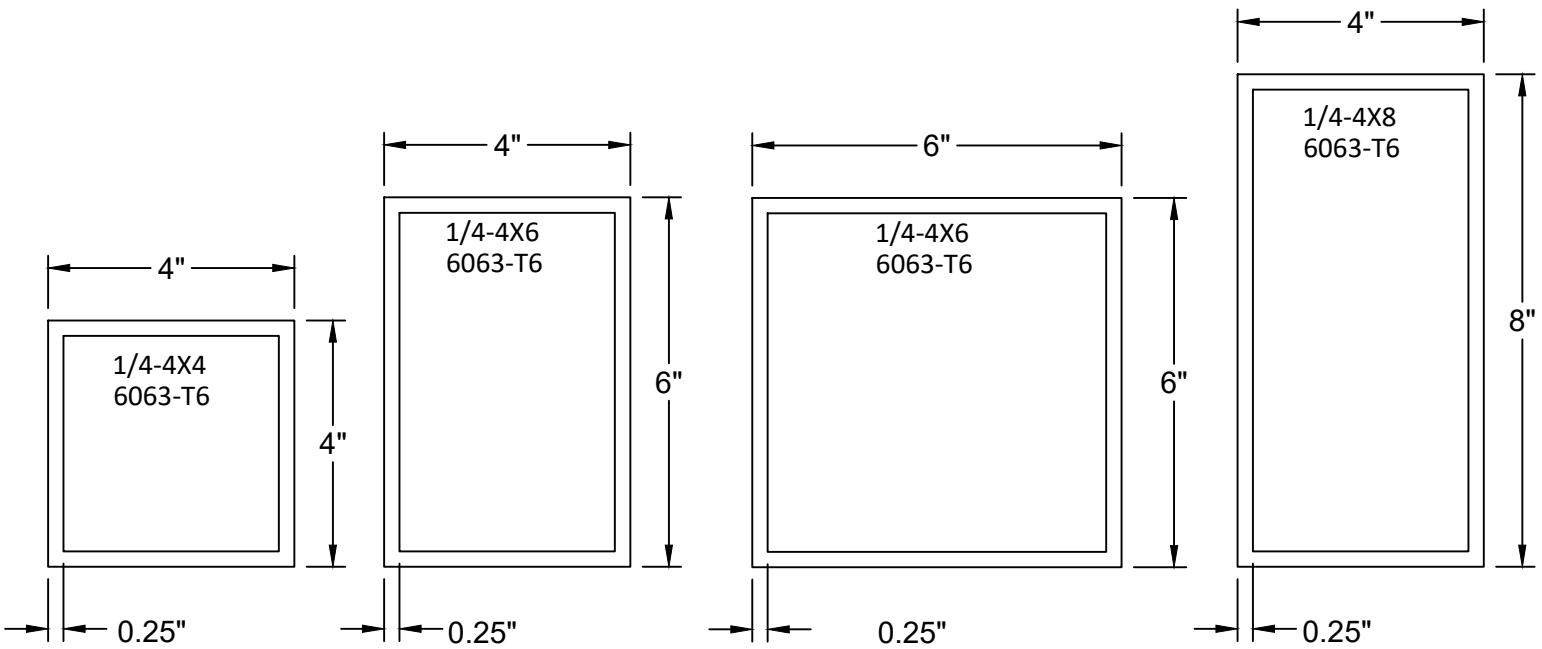


SM1 = SM2 = SM3

MAXIMUM MULLION DESIGN PRESSURE (PSF)

FW Max.	1/4-4x8 MULLION SPAN			1/4-6x6 MULLION SPAN			1/4-4x6 MULLION SPAN			1/4-4x4 MULLION SPAN		
	144	120	96	144	120	96	144	120	96	144	120	96
360	27	35	35	N/A	31	35	N/A	23	35	N/A	N/A	N/A
320	30	40	40	20	35	40	N/A	26	40	N/A	N/A	N/A
300	32	45	45	21	37	45	N/A	28	45	N/A	N/A	20
264	37	50	50	24	43	50	N/A	31	50	N/A	N/A	23
240	41	60	60	27	47	60	20	35	60	N/A	N/A	25
216	45	66	66	30	52	66	22	39	66	N/A	N/A	28
192	51	75	85	34	59	85	25	43	77	N/A	N/A	32
168	58	85	110	39	67	110	29	50	88	N/A	N/A	36
144	68	100	130	45	79	130	33	58	102	N/A	22	42
132	74	109	140	49	86	140	36	63	112	N/A	24	46
120	82	120	155	54	94	155	40	70	123	N/A	26	51
108	91	133	165	61	105	165	45	78	137	N/A	29	57
96	103	150	175	68	118	175	50	87	154	N/A	33	64
84	117	171	185	78	135	185	58	100	176	21	37	73
72	137	200	200	91	158	200	67	117	200	25	44	85

- NOTES:
- MULLIONS WERE DESIGNED BY RATIONAL ANALYSIS BASED ON THE ALUMINUM DESIGN MANUAL AND THE FLORIDA BUILDING CODE. ABOVE LOADS ARE ALSO LIMITED BY THE MAX. CAPACITY OF THE PRODUCT.
 - DEFLECTION CRITERIA: MAX. SPAN/180
 - VALUES ABOVE ARE APPLICABLE ONLY FOR EQUAL MODULES SM1=SM2=SM3
 - UNEQUAL MODULES ARE TO BE DESIGNED BY RATIONAL ANALYSIS IN A CASE BY CASE BASIS.



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)

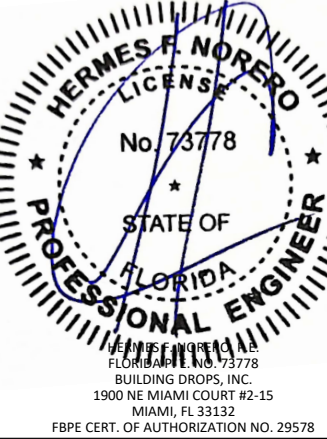
EQUALLY SPACED MULLIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



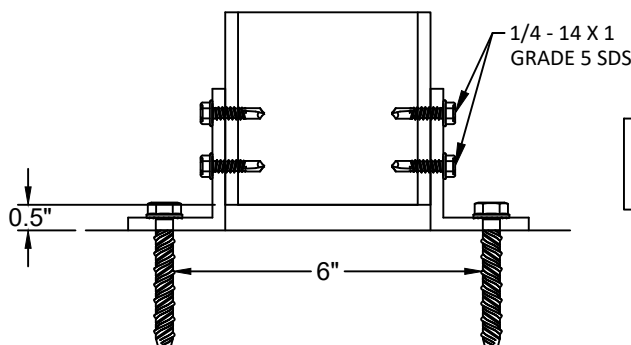
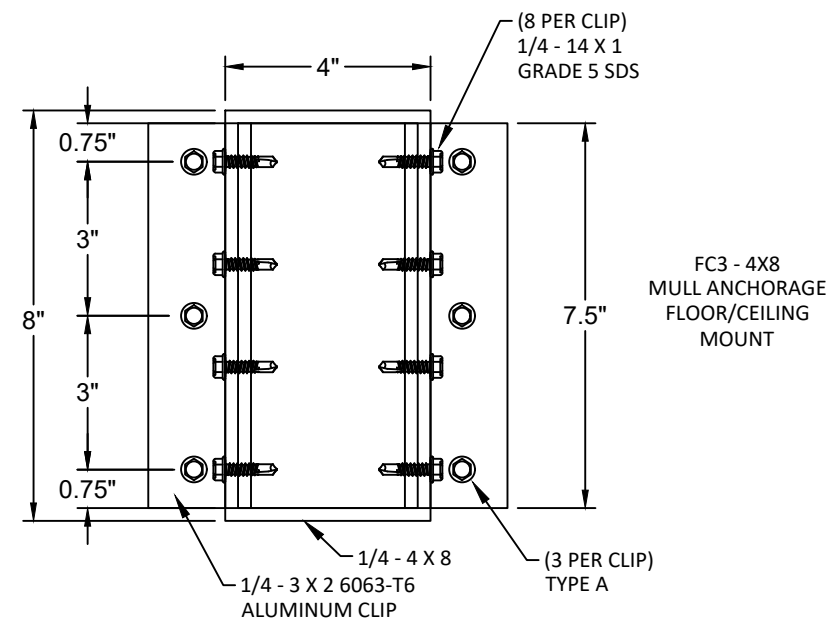
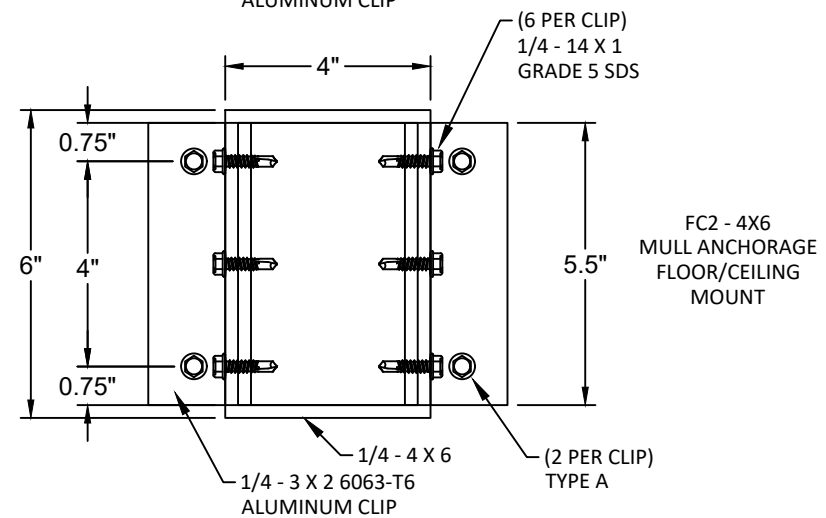
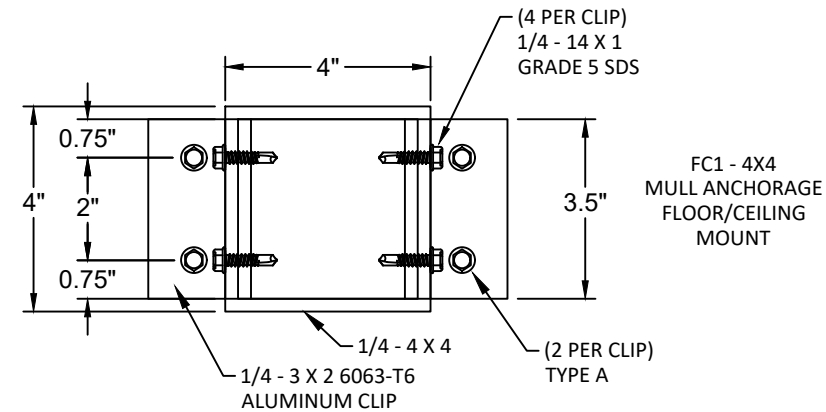
REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

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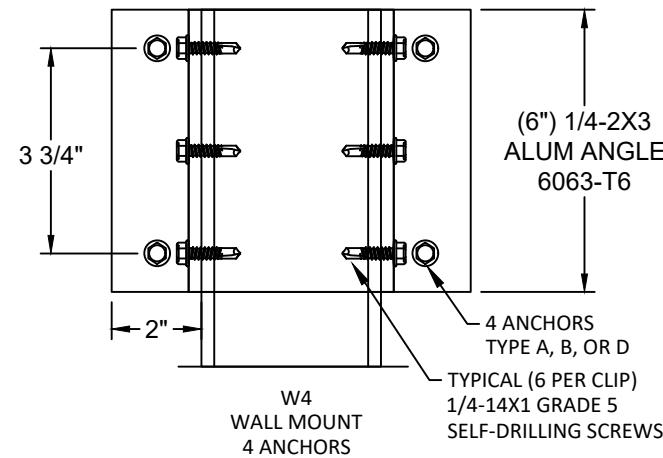
FL#: **FL30798**
DATE: **10.15.19**
DWG. BY: **SM/AR** CHK. BY: **HFN**
SCALE: **NTS**
DWG. #: **PRG003**
SHEET: **16** OF 34

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NOTE: ANGLE CLIP TO
BE PLACED OUTSIDE OR
INSIDE TUBE

EQUALLY SPACED MULLIONS WALL AND INSET CONNECTIONS



ANCHOR TYPE	WALL MOUNT ANCHOR SELECTION			
	MULLION TYPE			
A	4X4	4X6	6x6	4X8
B	W4	N/A	N/A	N/A
D	W4	N/A	N/A	N/A

ANCHOR TYPE	FLOOR/CEILING MOUNT ANCHOR SELECTION			
	MULLION TYPE			
A	FC1	FC2	FC3	FC3

ANCHOR SCHEDULE:				
Anchor	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" DEWALT/POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK f'm ≥ 2000 PSI	4"	2 1/4"



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

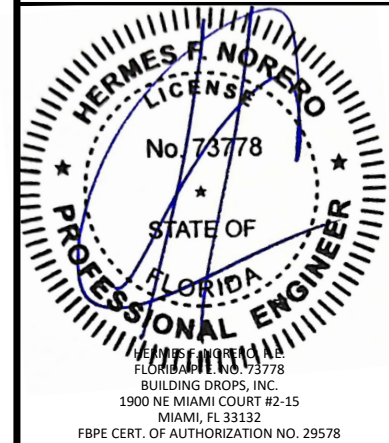
TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
EQUALLY SPACED MULLION
ANCHORS

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MIAMI, FL 33132
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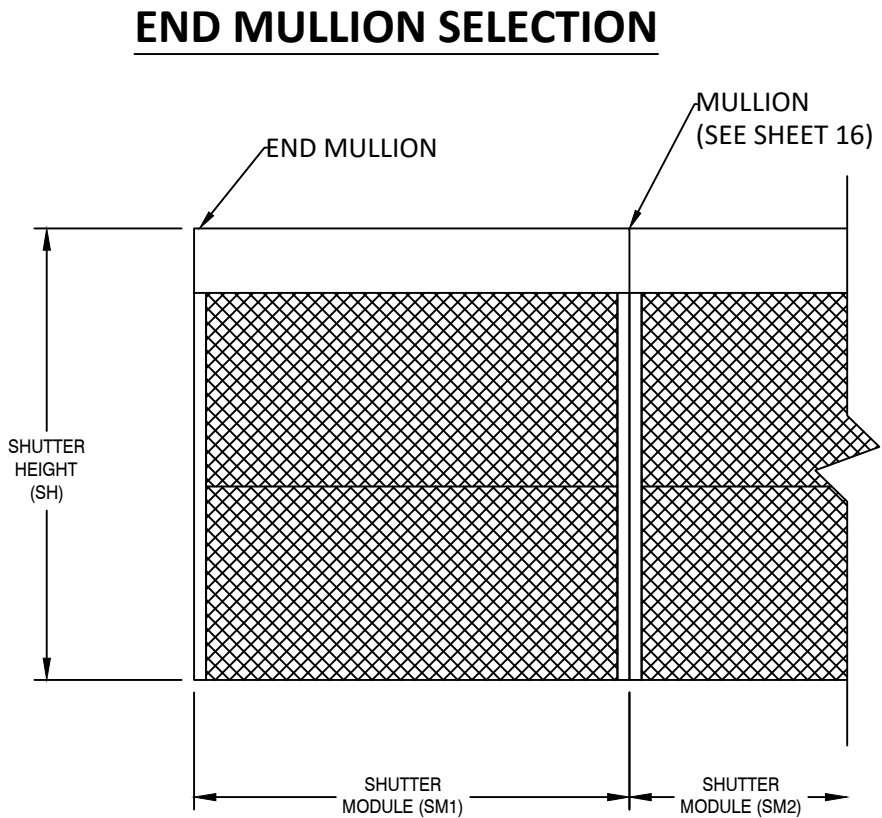
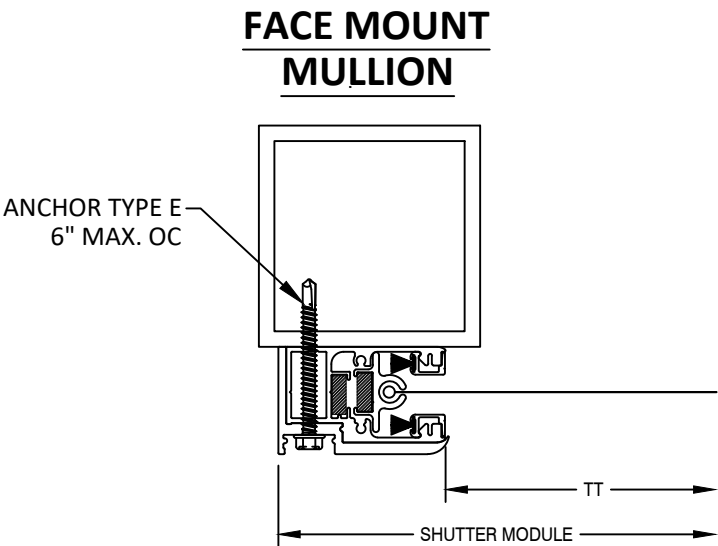
REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

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FL#:	FL30798
DATE:	10.15.19
DWG. BY:	SM/AR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	PRG003
SHEET:	OF 34

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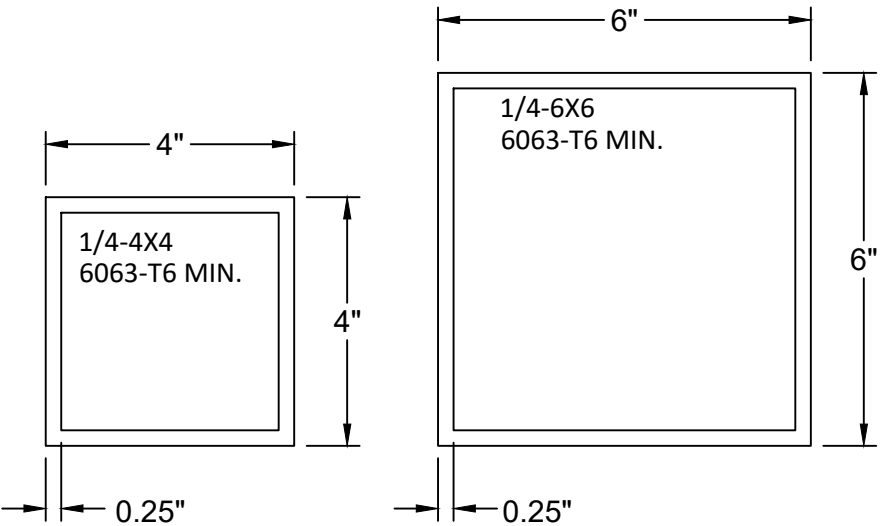
SM1 = SM2

MAXIMUM END MULLION SPANS AND DESIGN PRESSURES

FW MAX (in)	ALLOWABLE DP (PSF)	ALLOWABLE MULLION SPANS (FT)	
		4" x 4" X 0.25" 6063-T6 MIN.	6" x 6" X 0.25" 6063-T6 MIN.
72	200	12.00	12.00
84	185	12.00	12.00
96	175	12.00	12.00
108	165	12.00	12.00
120	155	12.00	12.00
132	140	12.00	12.00
144	130	12.00	12.00
168	110	12.00	12.00
192	85	12.00	12.00
216	66.7	12.00	12.00
240	60	12.00	12.00
264	50	12.00	12.00
300	45	12.00	12.00
320	40	12.00	12.00
360	35	12.00	12.00

NOTES:

- MULLIONS WERE DESIGNED BY RATIONAL ANALYSIS BASED ON THE ALUMINUM DESIGN MANUAL AND THE FLORIDA BUILDING CODE. ABOVE LOADS ARE ALSO LIMITED BY THE MAX. CAPACITY OF THE PRODUCT.
- VALUES ABOVE ARE APPLICABLE FOR END MULLIONS ONLY



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)

END MULLION

BUILDING DROPS, INC.

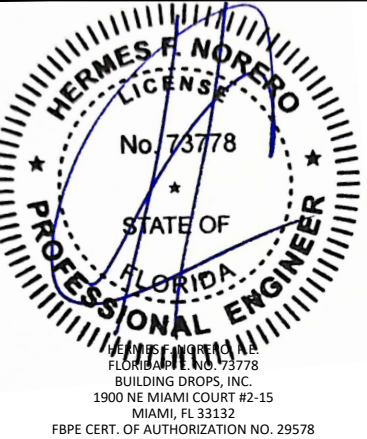
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

PREPARED BY:



REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

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FL#: **FL30798**

DATE: **10.15.19**

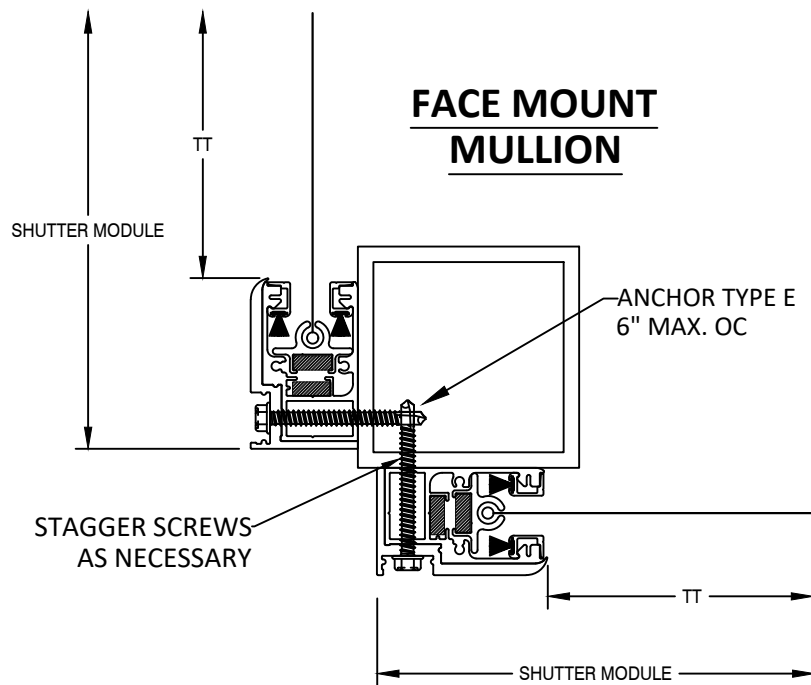
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SCALE: **NTS**

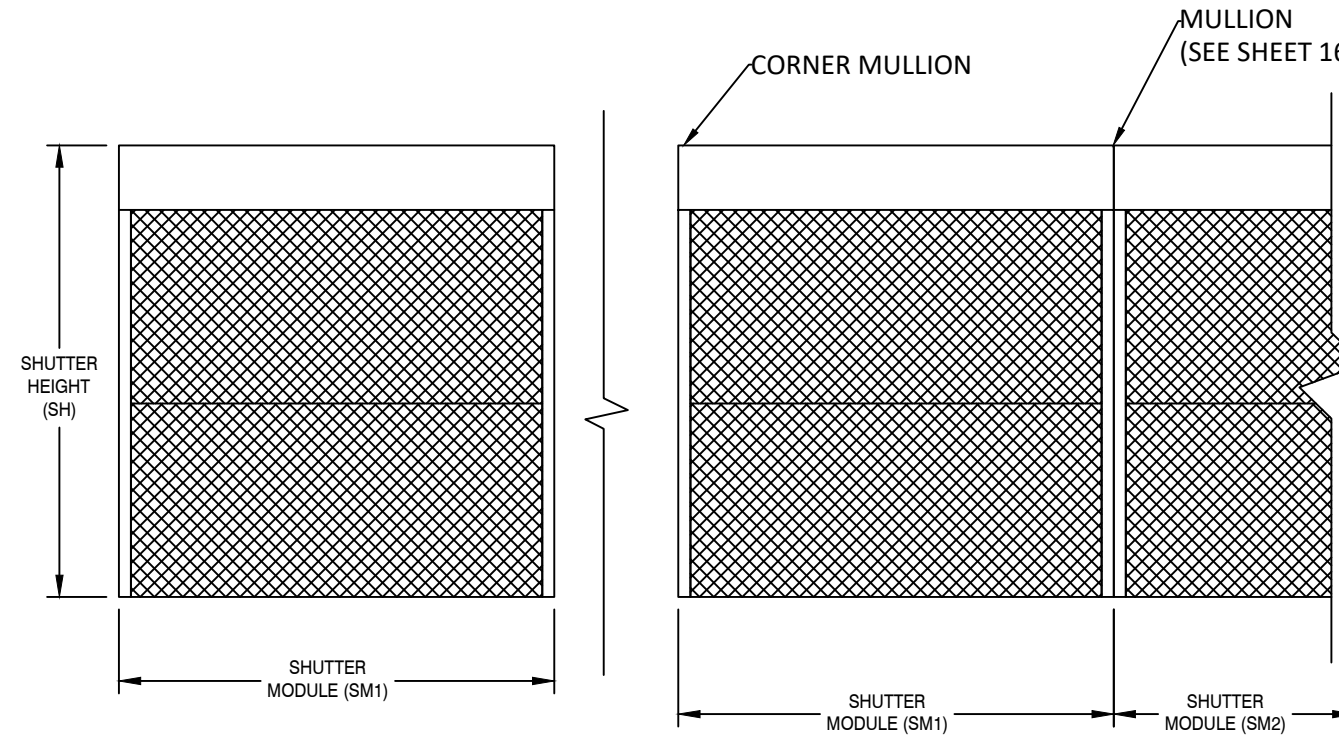
DWG. #: **PRG003**

SHEET: **18** OF 34

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CORNER MULLION SELECTION



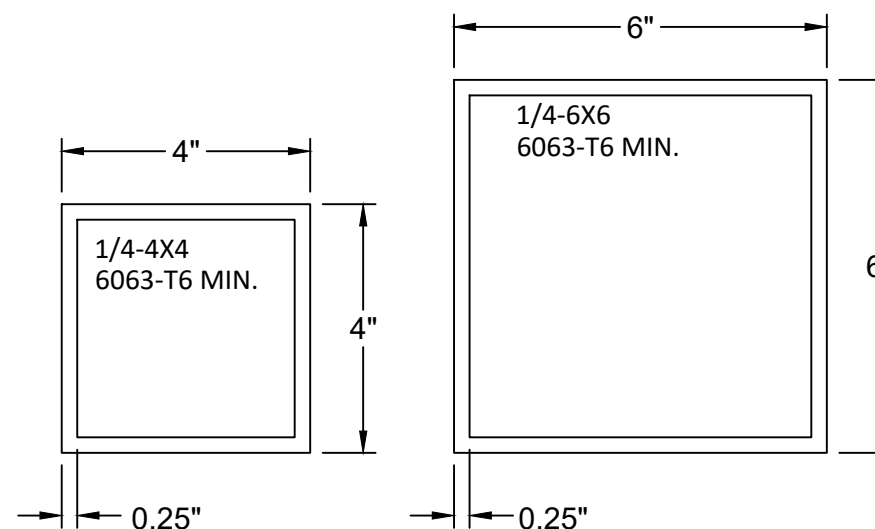
$$SM1 = SM2 = SM3$$

MAXIMUM CORNER MULLION SPANS AND DESIGN PRESSURES

FW MAX (in)	ALLOWABLE DP (PSF)	ALLOWABLE MULLION SPANS (FT)	
		4" x 4" X 0.25" 6063-T6 MIN.	6" x 6" X 0.25" 6063-T6 MIN.
72	200	12.00	12.00
84	185	12.00	12.00
96	175	12.00	12.00
108	160	12.00	12.00
120	150	11.89	12.00
132	135	11.77	12.00
144	125	11.66	12.00
168	100	11.71	12.00
204	75	12.00	12.00
216	55	12.00	12.00
240	50	12.00	12.00
264	45	12.00	12.00
286.5	40	12.00	12.00

NOTES:

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- VALUES ABOVE ARE APPLICABLE FOR CORNER MULLIONS ONLY WITH EQUAL WIDTH SHUTTERS ON BOTH SIDES, UNEQUAL SHUTTERS SHALL BE EVALUATED ON A CASE BY CASE BASIS.



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
CORNER MULLION

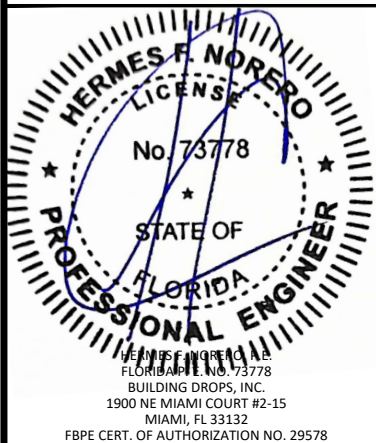
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
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HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

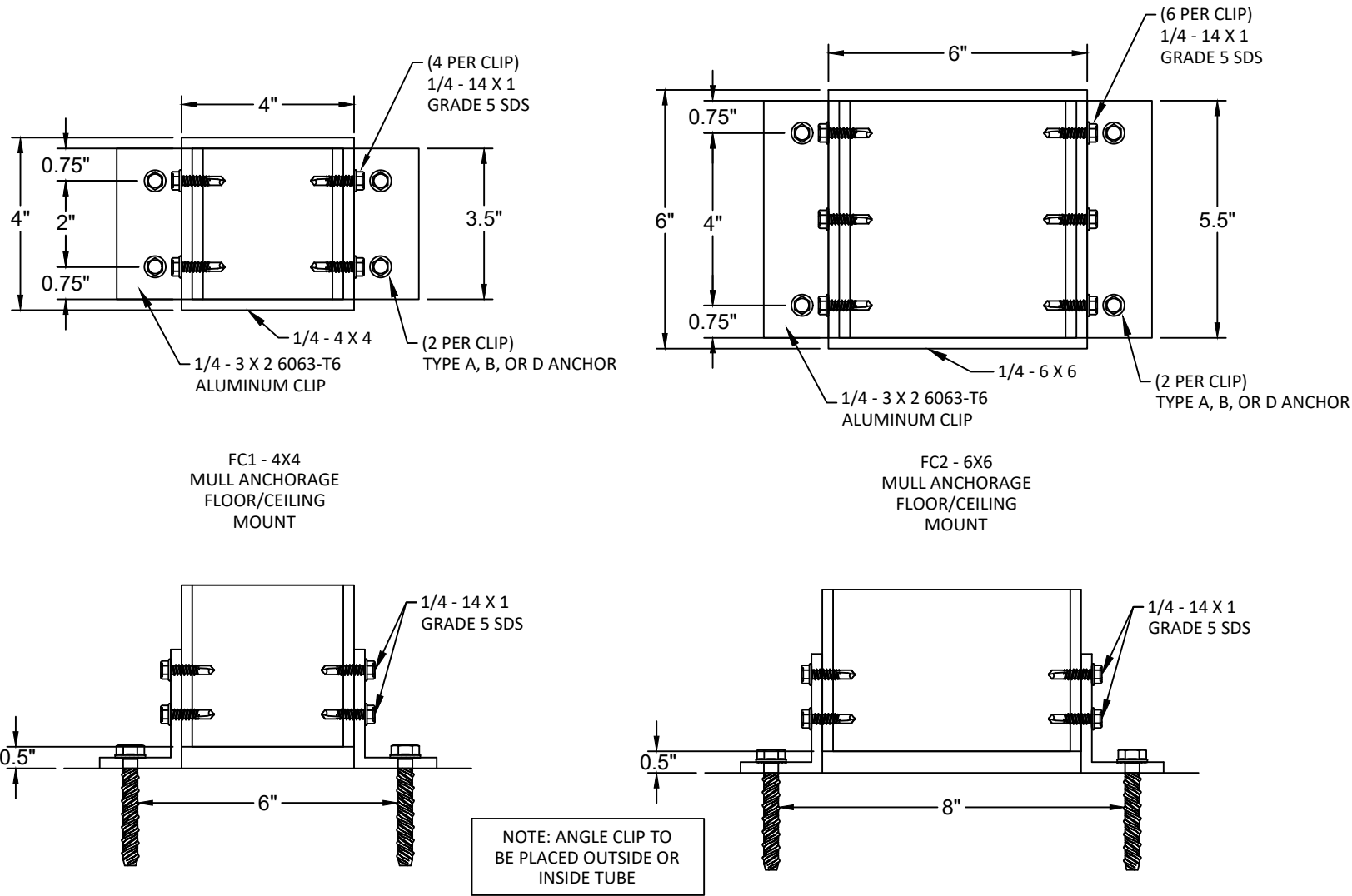
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DWG. #:	PRG003
SHEET:	OF 34

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END MULLION AND CORNER MULLION WALL AND INSET CONNECTIONS

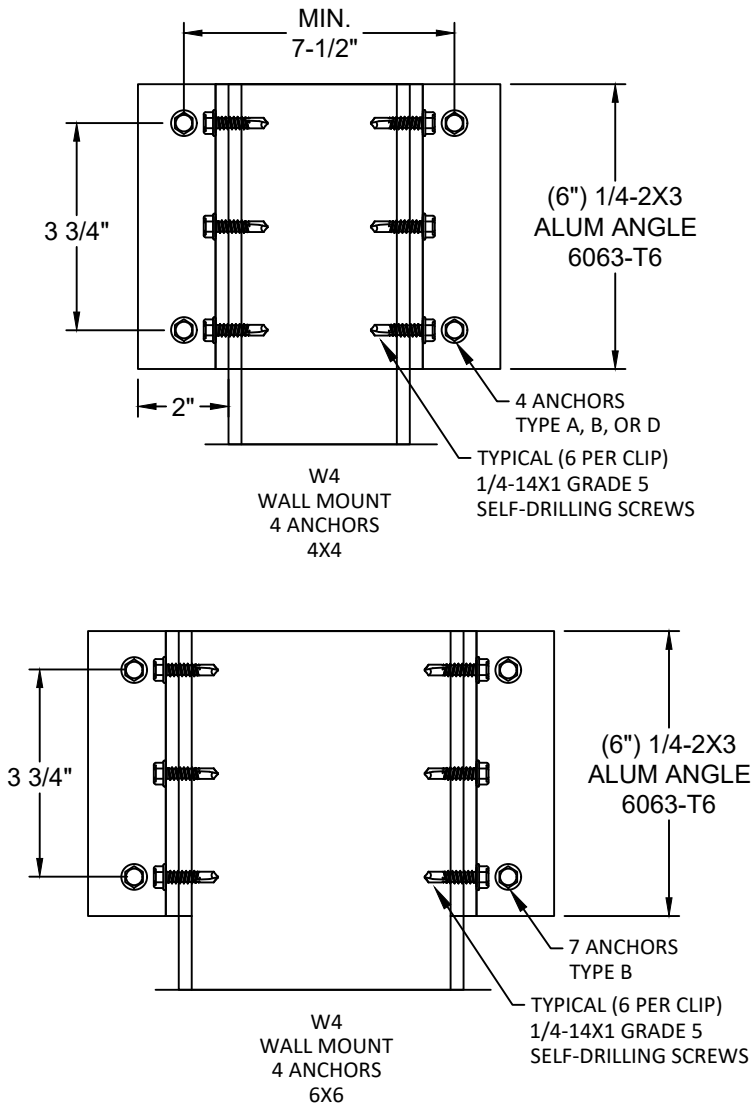


MULL FLOOR/CEILING MOUNT ANCHOR SELECTION				
ANCHOR TYPE	END MULLION TYPE		CORNER MULLION TYPE	
	4X4	6X6	4X4	6X6
A	FC1	FC2	FC1	FC2
B	FC1	FC2	FC1	FC2
D	FC1	FC2	FC1	FC2

ANCHOR SCHEDULE:

Anchor	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" DEWALT/POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK f'm ≥ 2000 PSI	4"	2 1/4"

END MULLION WALL CONNECTIONS



WALL MOUNT ANCHOR SELECTION		
ANCHOR TYPE	END MULLION TYPE	
	4X4	6X6
A	W4	W4
B	W4	W4
D	W4	W4



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

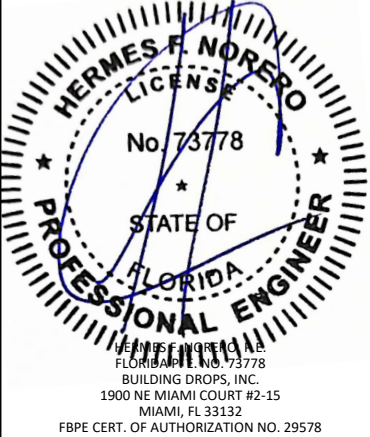
TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
END MULLION / CORNER MULLION
CONNECTIONS

PREPARED BY: BUILDING DROPS, INC.
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MIAMI, FL 33132
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REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

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FL#: **FL30798**

DATE: **10.15.19**

DWG. BY: **SM/AR** CHK. BY: **HFN**

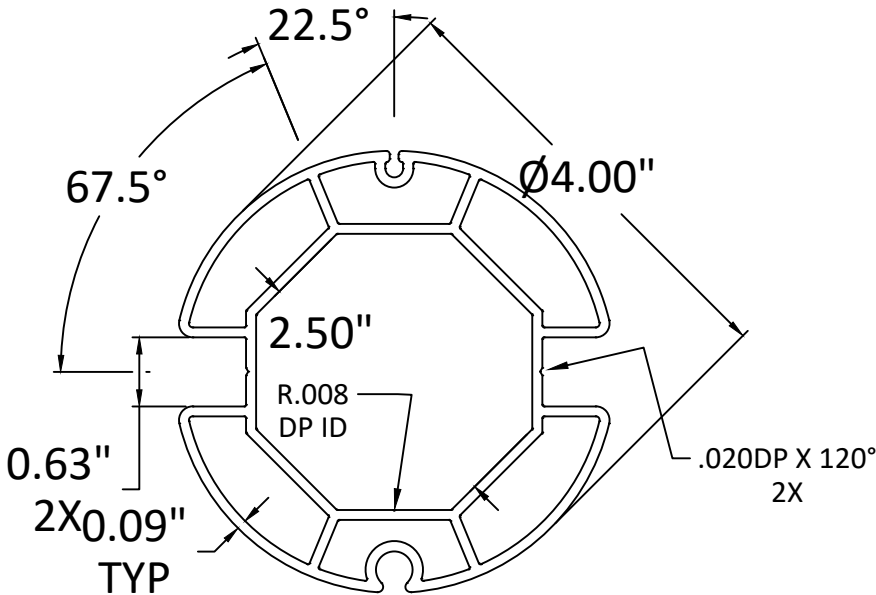
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DWG. #: **PRG003**

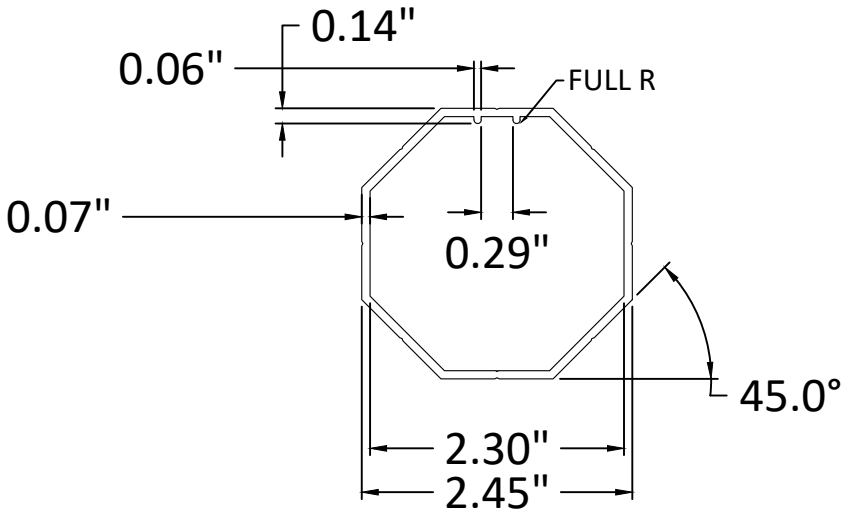
SHEET: **OF 34**

20

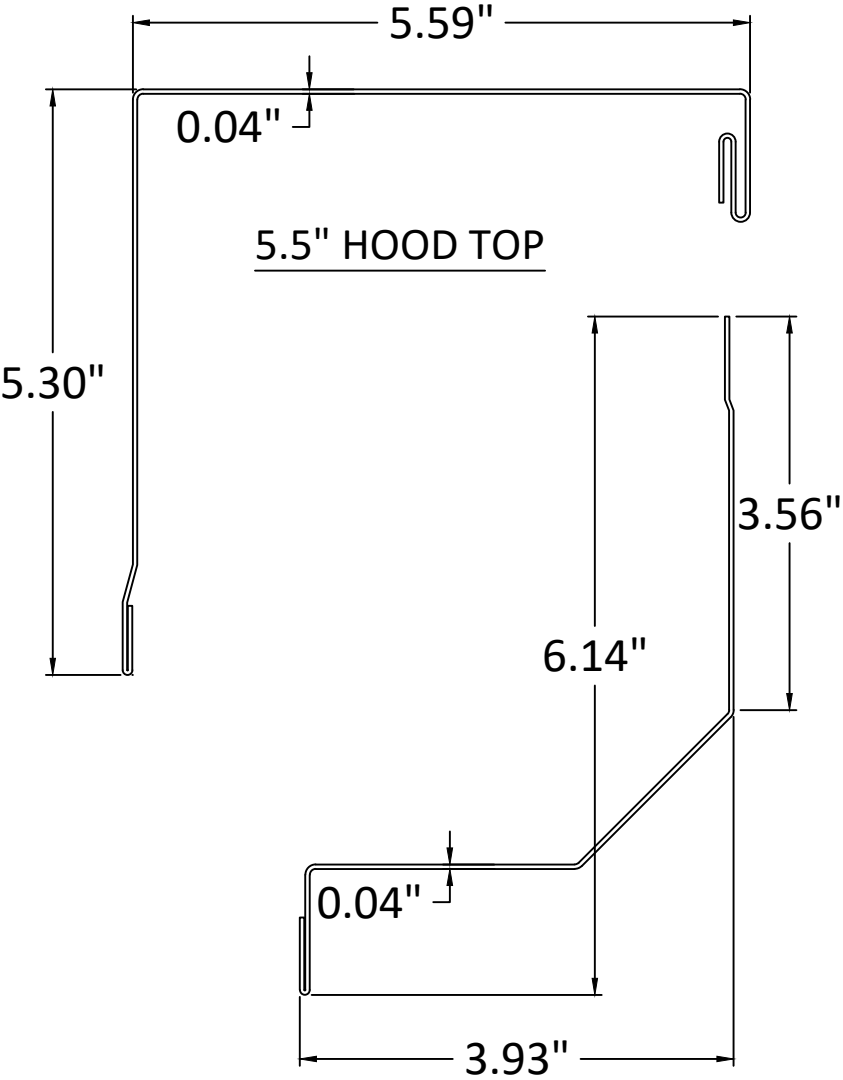
4" TUBE AND 5.5" HOOD DETAILS



4" TUBE



60 MM OCTAGONAL TUBE



5.5" HOOD BOTTOM



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)

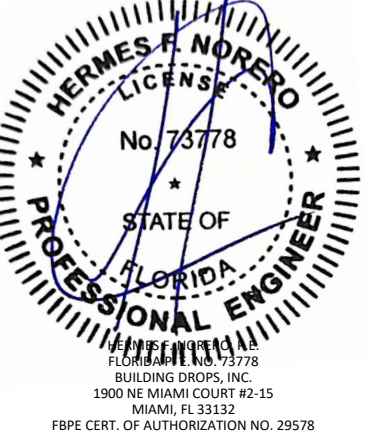
4" TUBE & 5.5" HOOD DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
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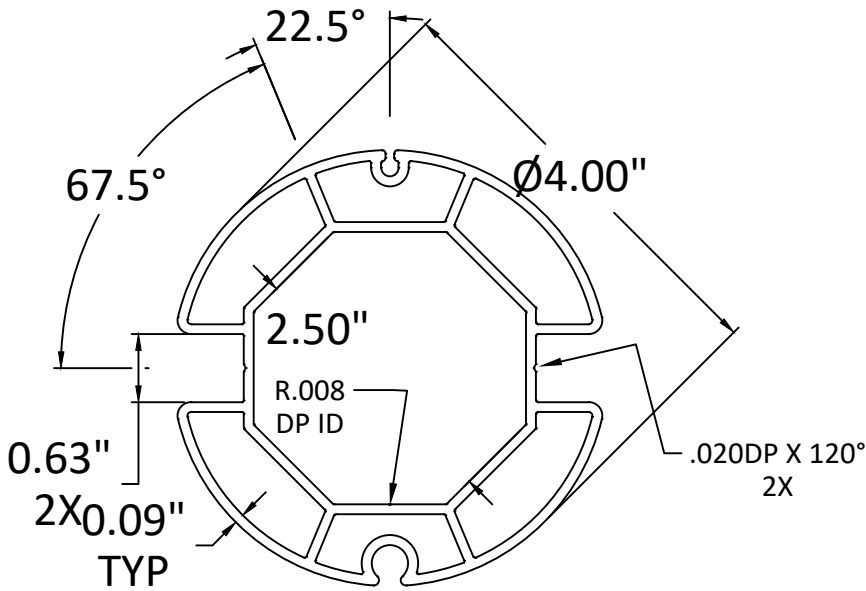
REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
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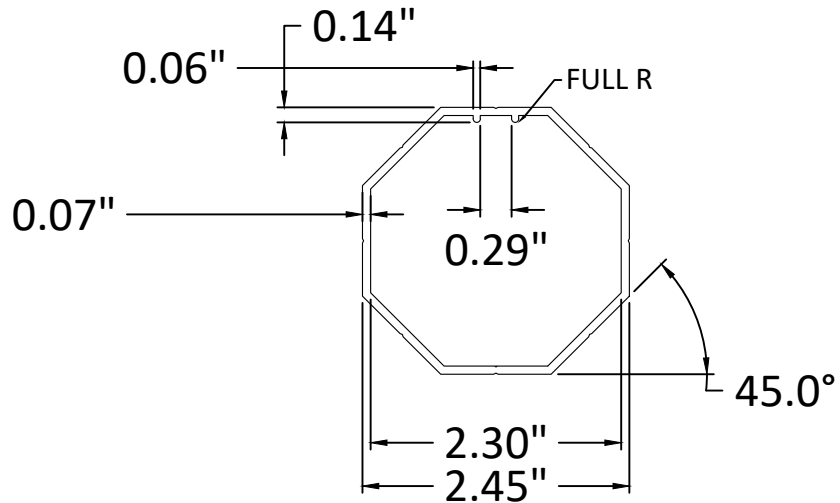


FL#:	FL30798
DATE:	10.15.19
DWG. BY:	CHK. BY:
SM/AR	HFN
SCALE:	NTS
DWG. #:	PRG003
SHEET:	OF 34

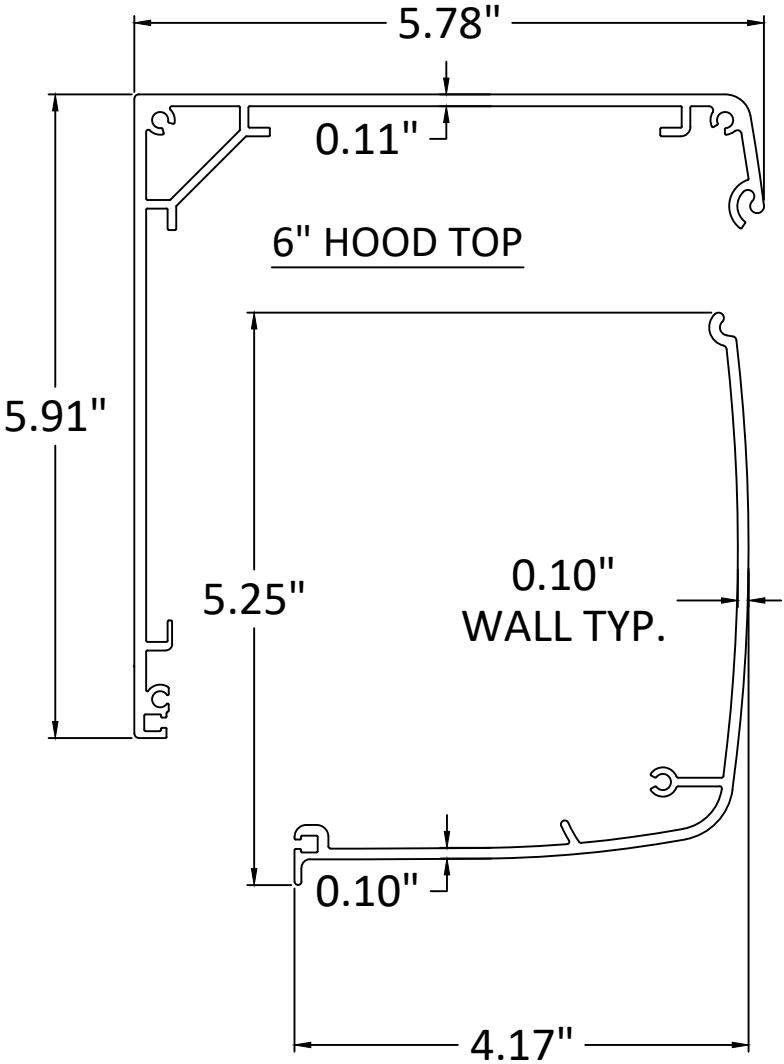
4" TUBE AND 6" EXTRUDED HOOD DETAILS



4" TUBE



60 MM OCTAGONAL TUBE



6" HOOD BOTTOM



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

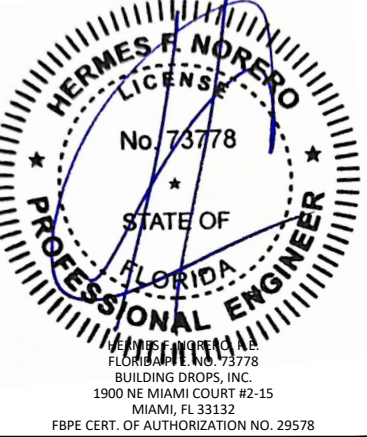
TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
4" TUBE & 6" EXTRUDED HOOD
DETAILS

PREPARED BY: BUILDING DROPS, INC.
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MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



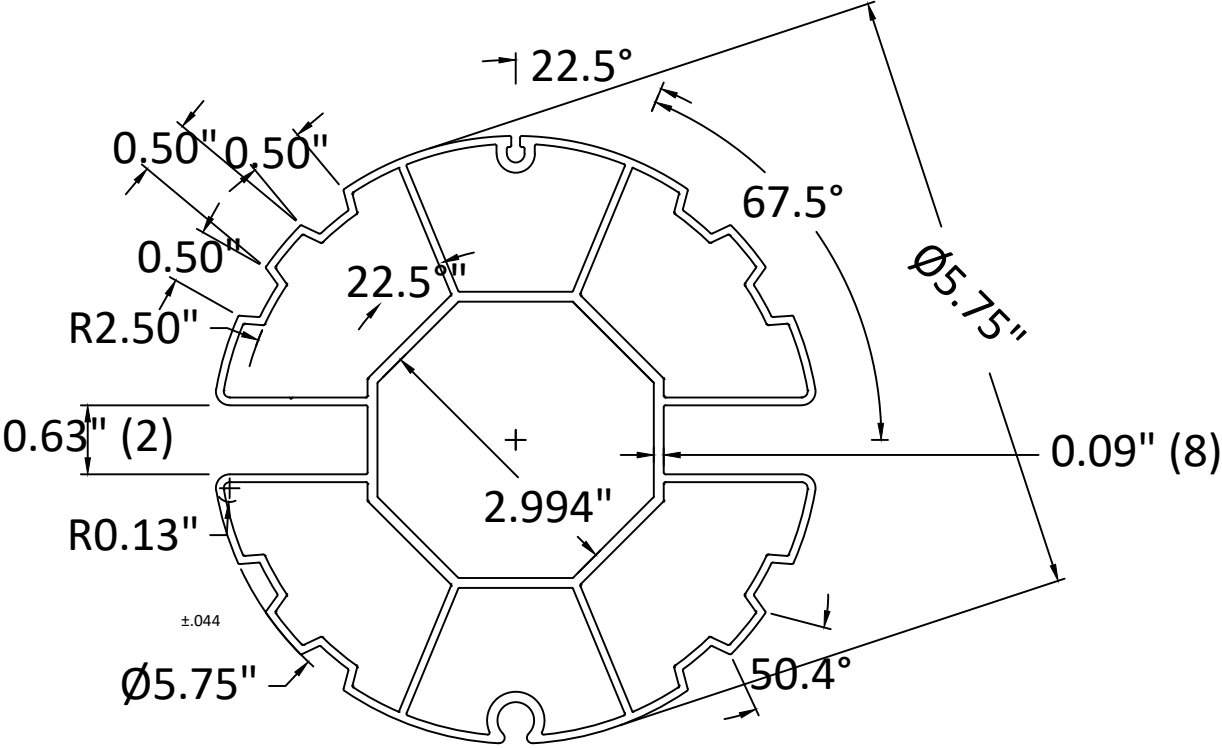
REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

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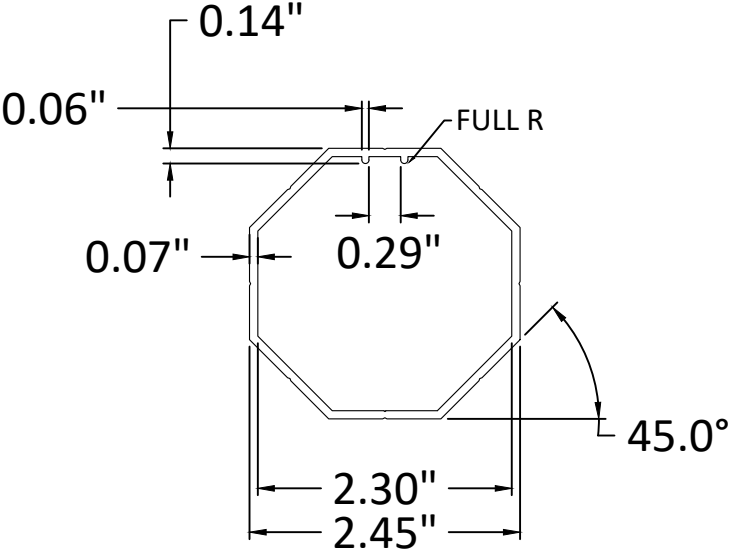


FL#:	FL30798
DATE:	10.15.19
DWG. BY:	SM/AR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	PRG003
SHEET:	OF 34

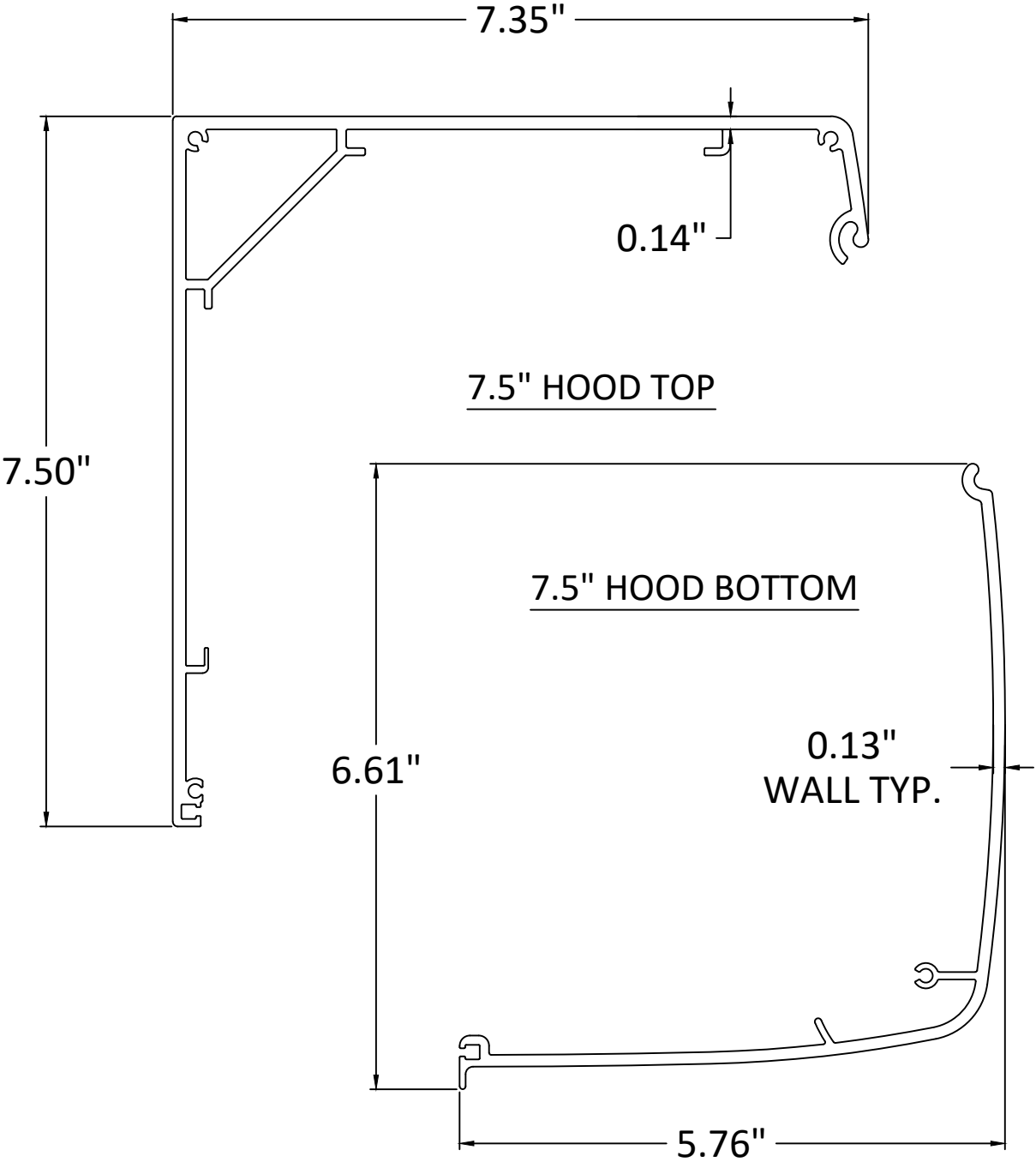
5.75" TUBE AND 7.5" EXTRUDED HOOD DETAILS



5.75" TUBE



60 MM OCTAGONAL TUBE



NOTE:
7.5" HOOD IS COMPATIBLE
WITH 4" TUBE.



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

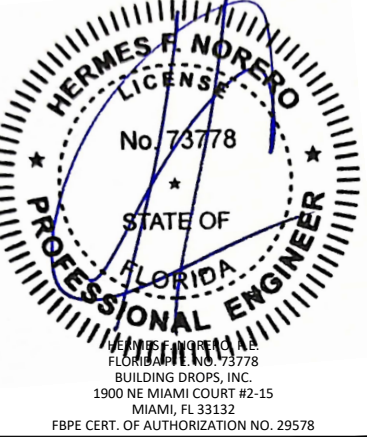
TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
5.75" TUBE & 7.5" EXTRUDED HOOD
DETAILS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
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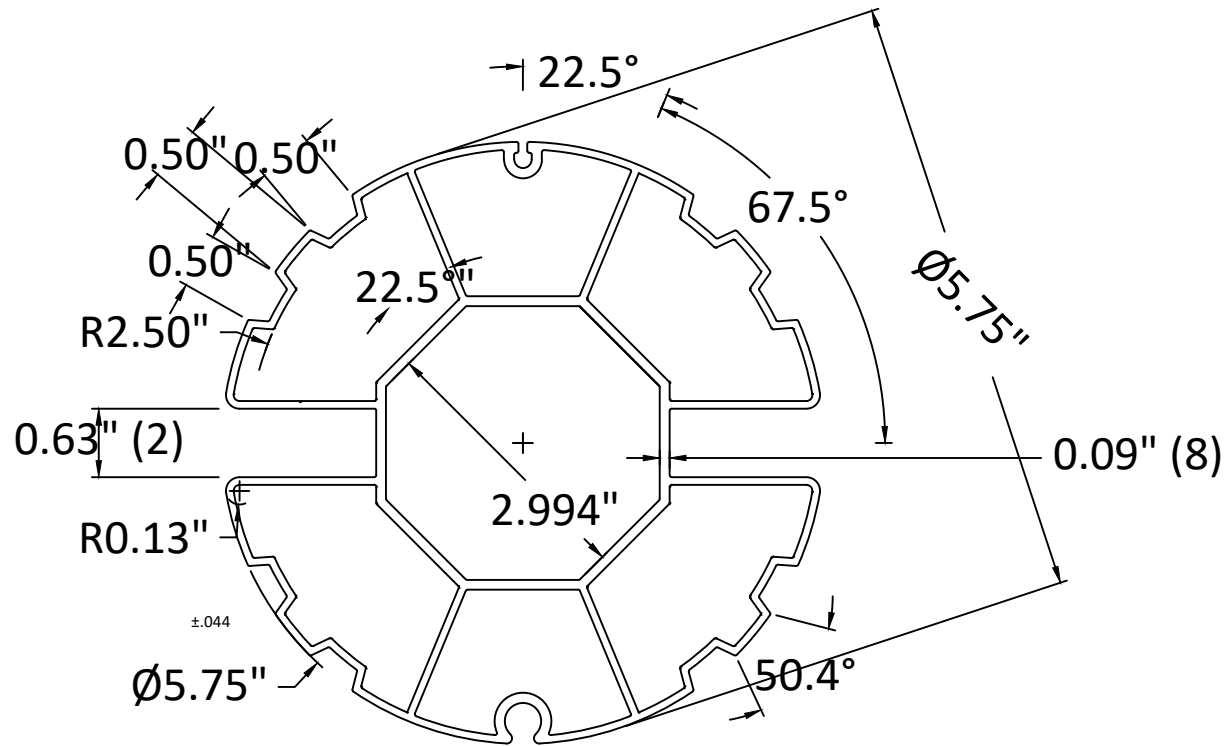
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CHK. BY: HFN

SCALE: NTS

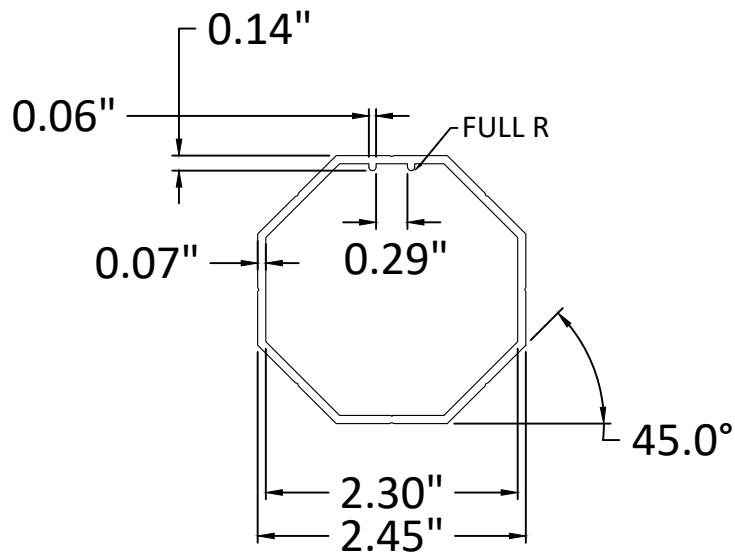
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SHEET: OF 34

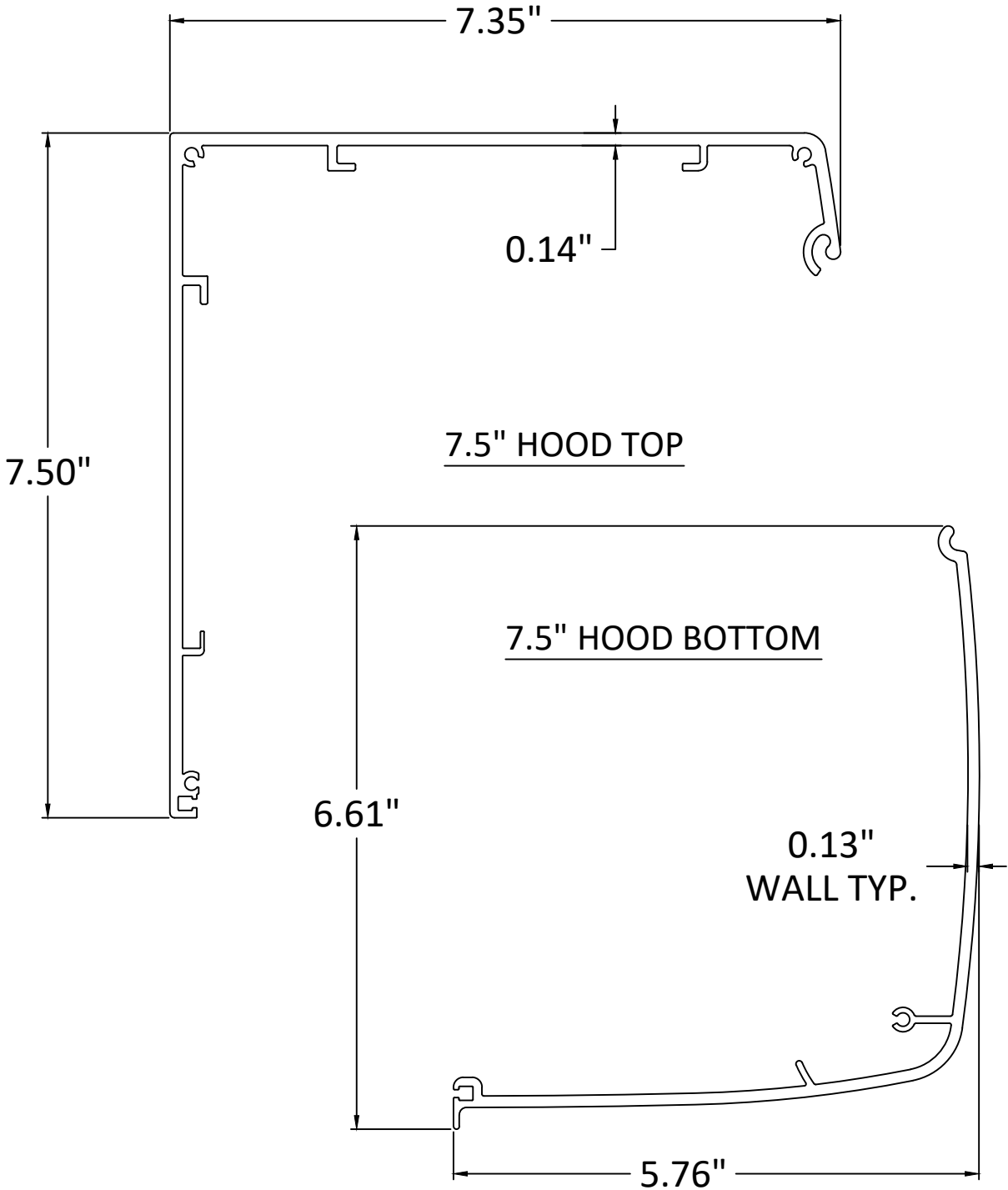
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(HVHZ) (IMPACT)

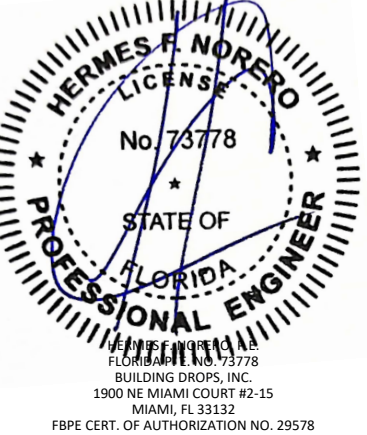
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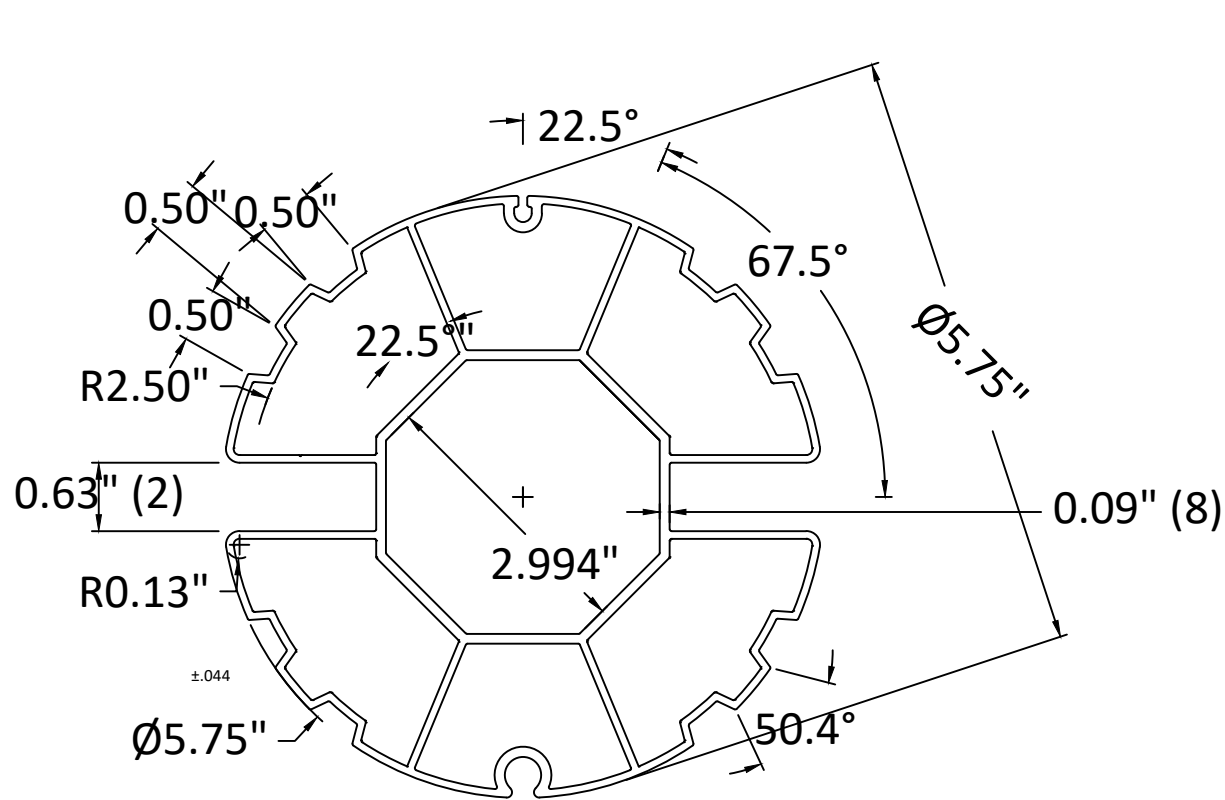
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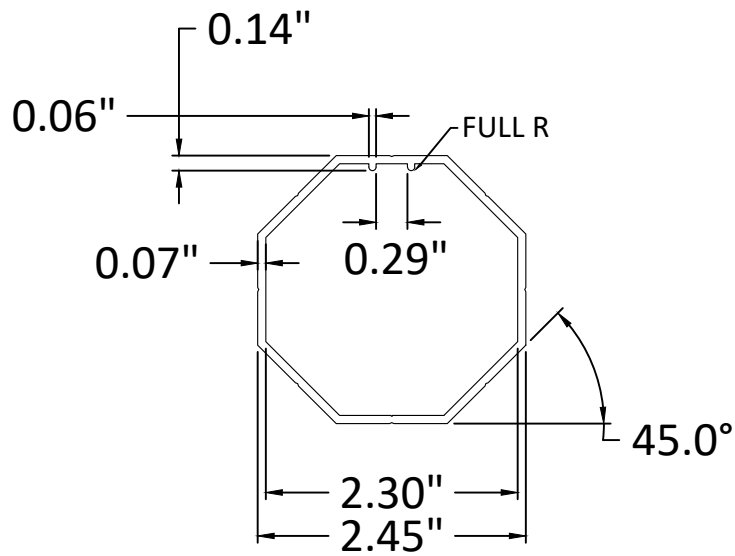


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SHEET:	OF 34

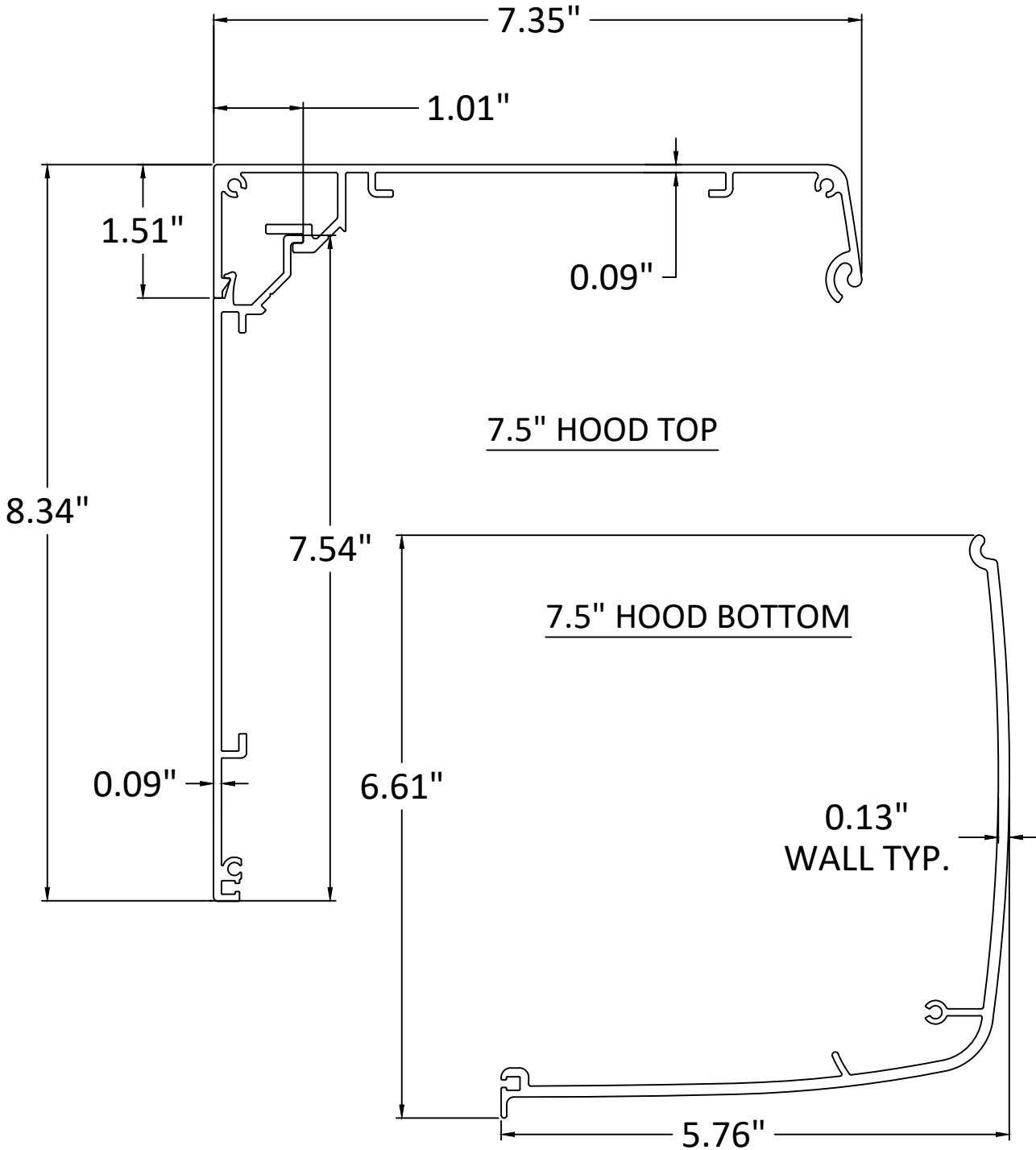
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5.75" TUBE



60 MM OCTAGONAL TUBE



NOTE:
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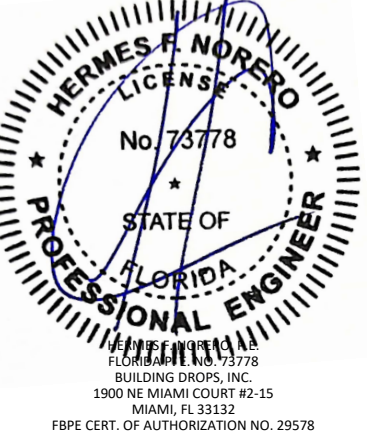
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FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
5.75" TUBE & 7.5" EXTRUDED HOOD
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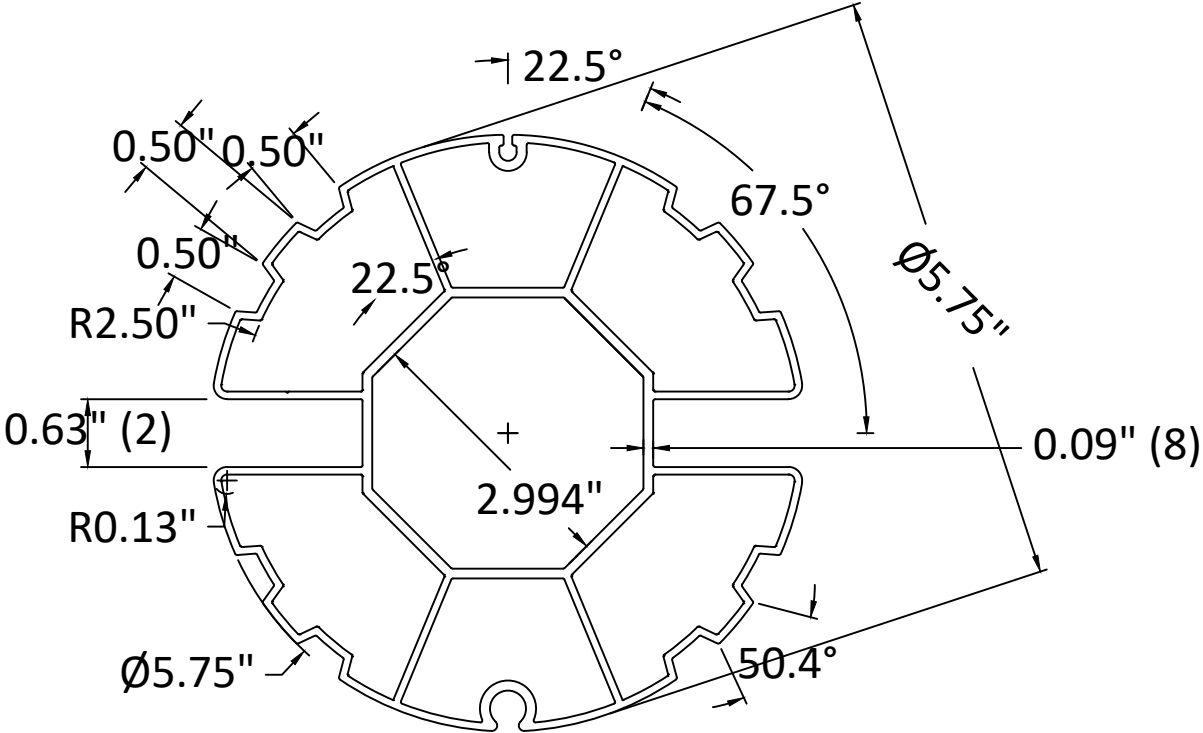
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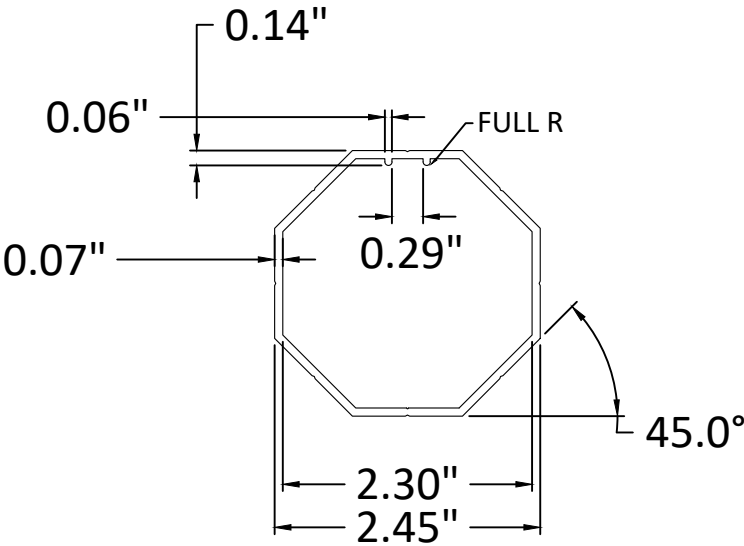


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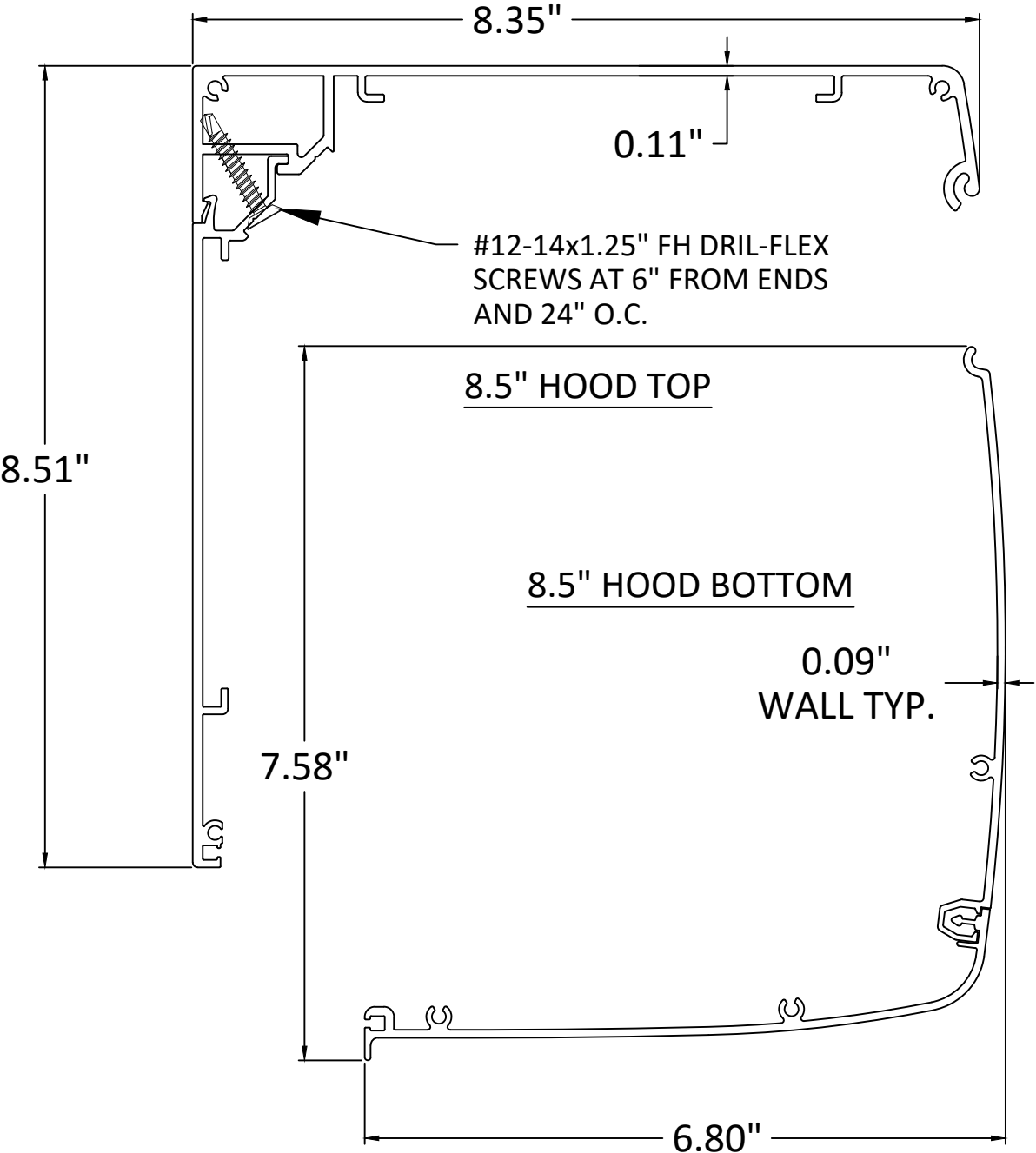
5.75" TUBE AND 8.5" EXTRUDED HOOD DETAILS



5.75" TUBE



60 MM OCTAGONAL TUBE



NOTE:
8.5" HOOD IS COMPATIBLE
WITH 4" AND 6.5" TUBES.



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
5.75" TUBE & 8.5" EXTRUDED HOOD
DETAILS

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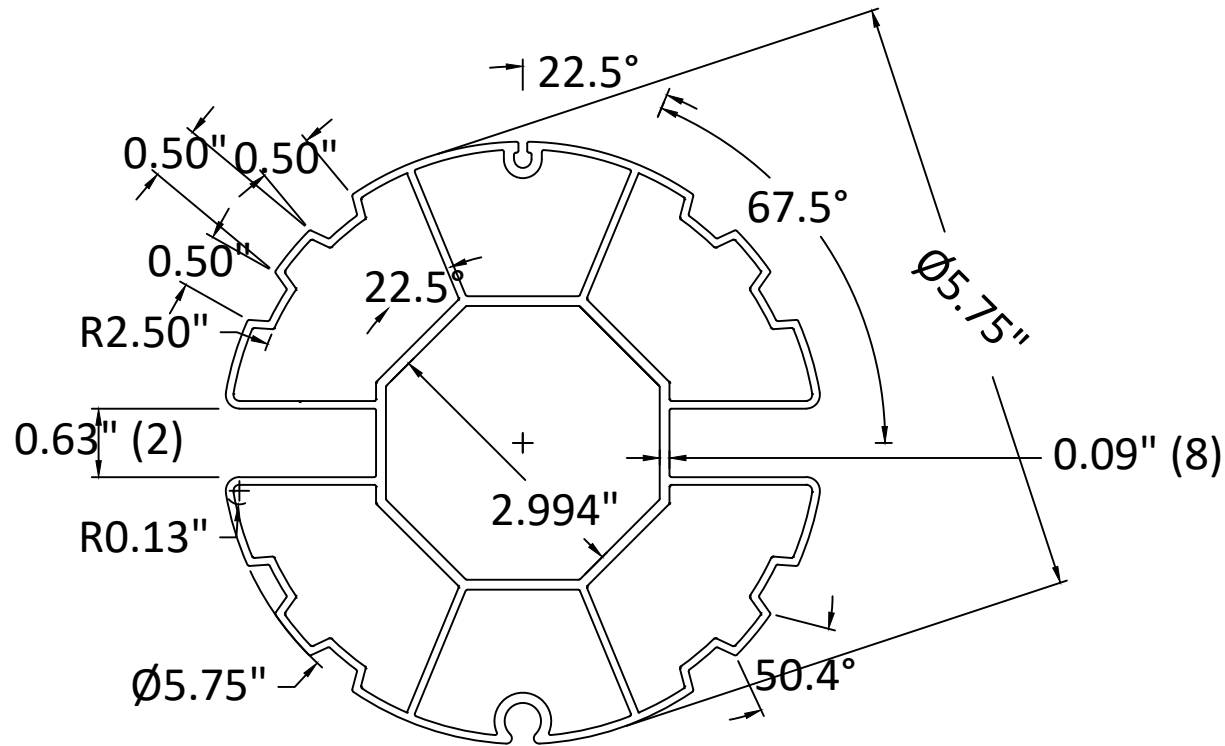
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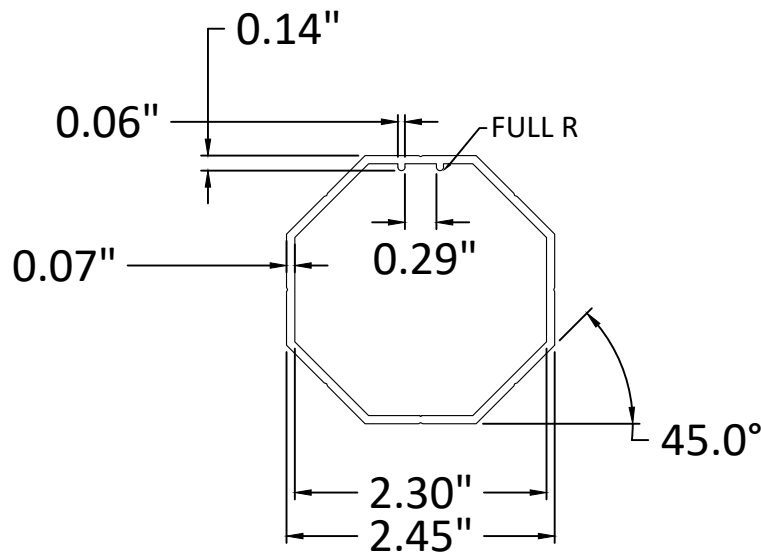
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SHEET: OF 34

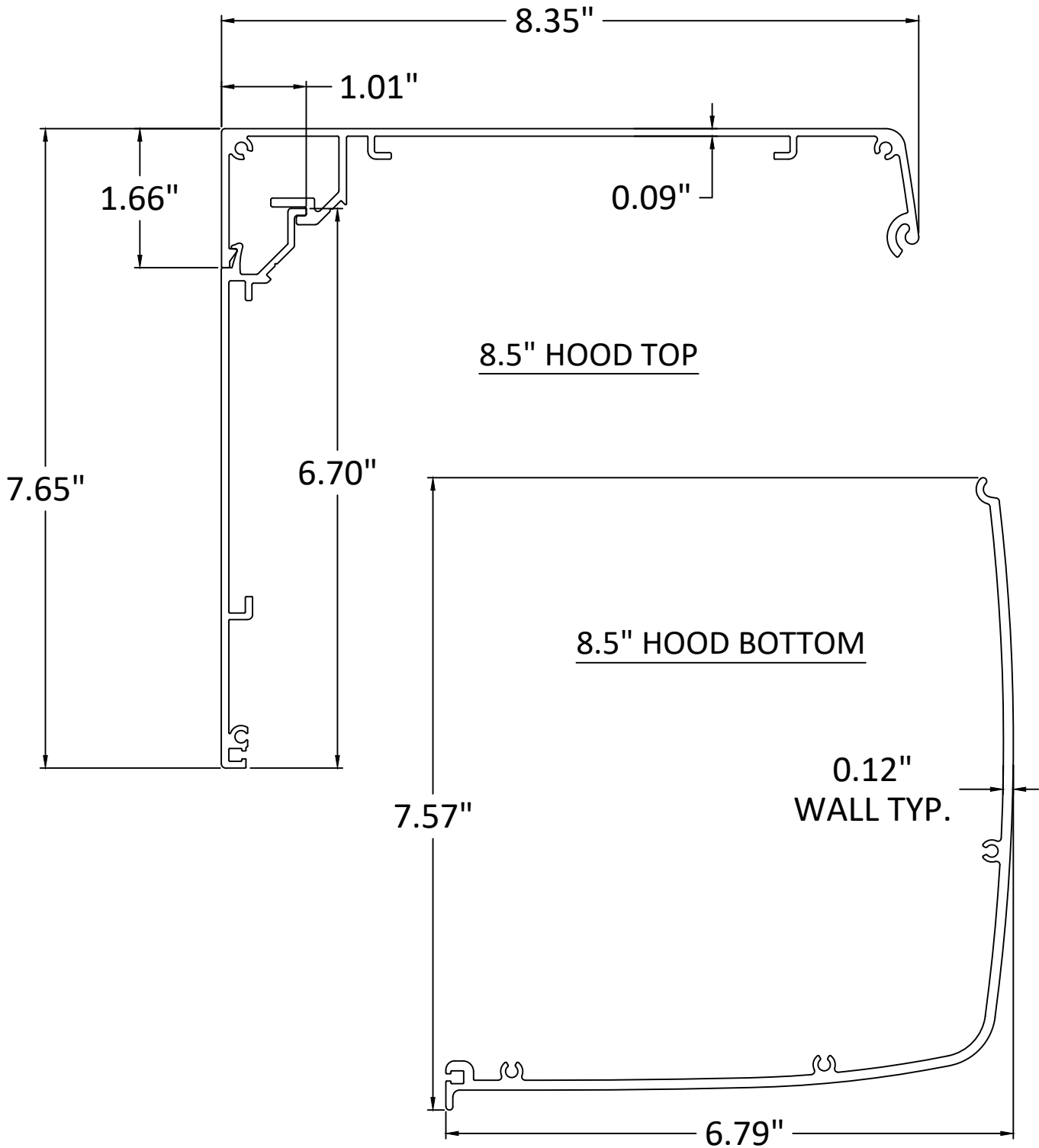
5.75" TUBE AND 8.5" EXTRUDED HOOD DETAILS



5.75" TUBE



60 MM OCTAGONAL TUBE



NOTE:
8.5" HOOD IS COMPATIBLE
WITH 4" AND 6.5" TUBES.



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)

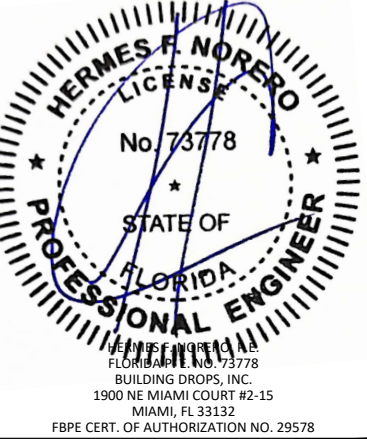
5.75" TUBE & 8.5" EXTRUDED HOOD
DETAILS

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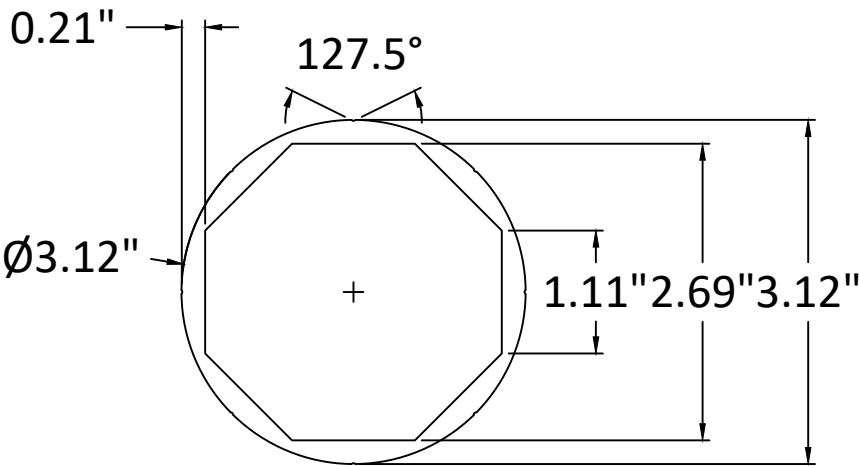
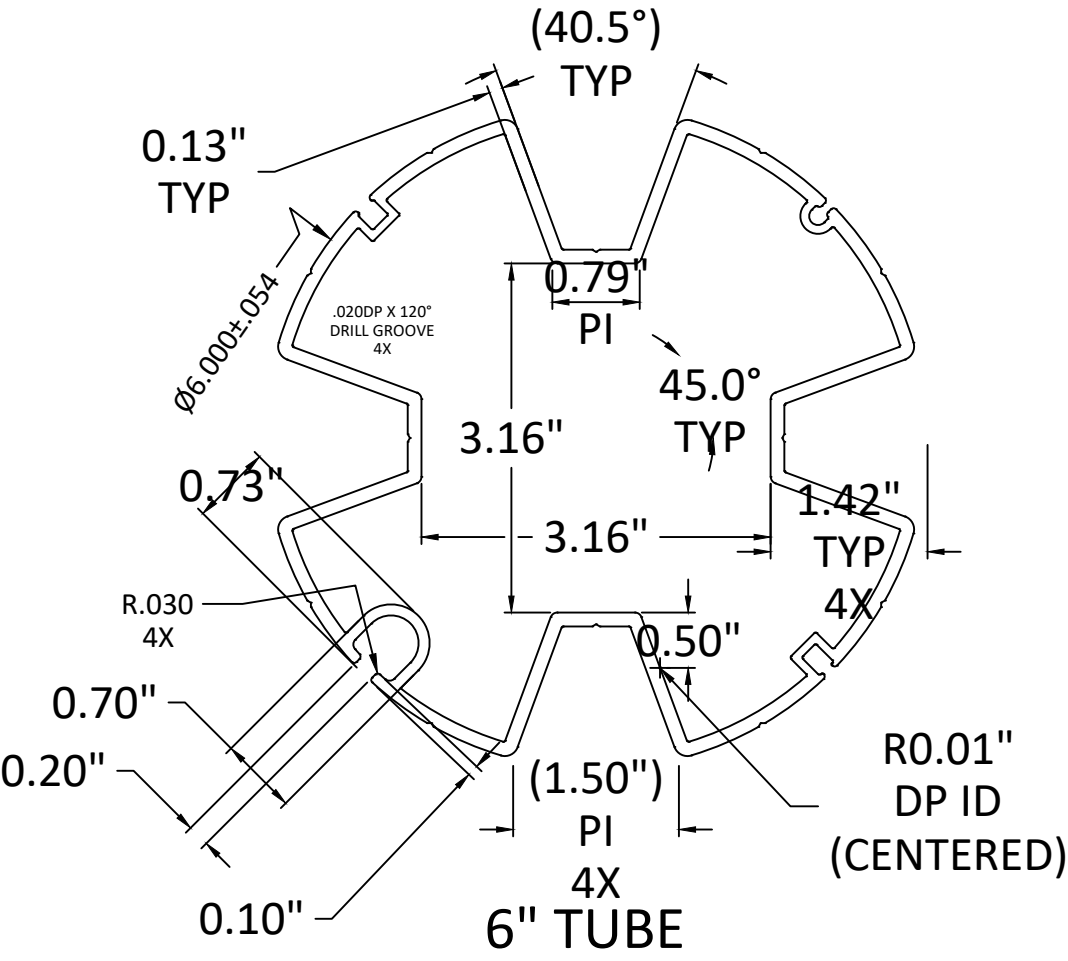
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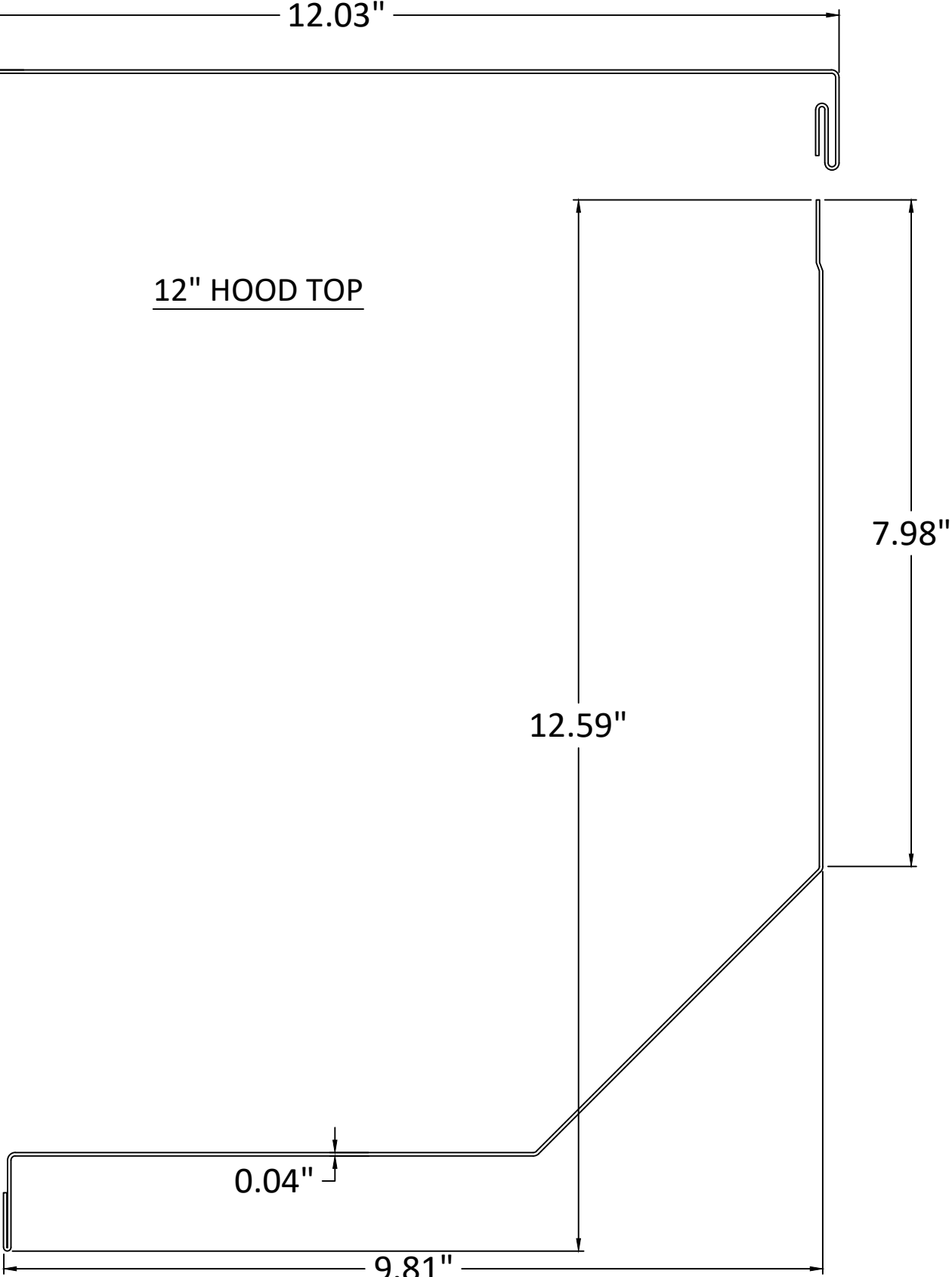
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DWG. BY:	CHK. BY:
SM/AR	HFN
SCALE:	NTS
DWG. #:	PRG003
SHEET:	OF 34

6" TUBE AND 12" HOOD DETAILS



60 MM OCTAGONAL TUBE

NOTE:
6" AND 6.5" TUBES ARE COMPATIBLE
WITH 8", 10", OR 12" HOOD.



12" HOOD TOP

12" HOOD BOTTOM



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TITLE: MAGNATRACK HURRICANE SYSTEM
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(HVHZ) (IMPACT)

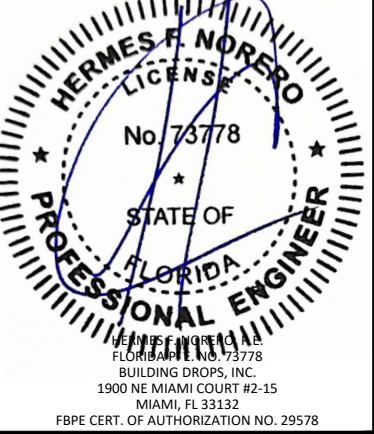
6" TUBE & 12" HOOD DETAILS

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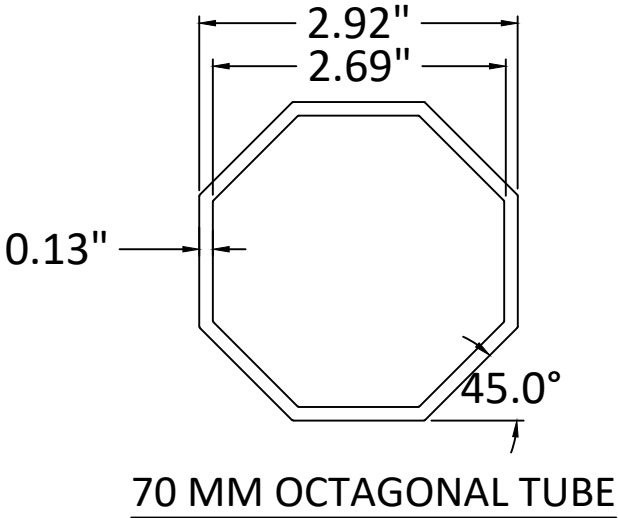
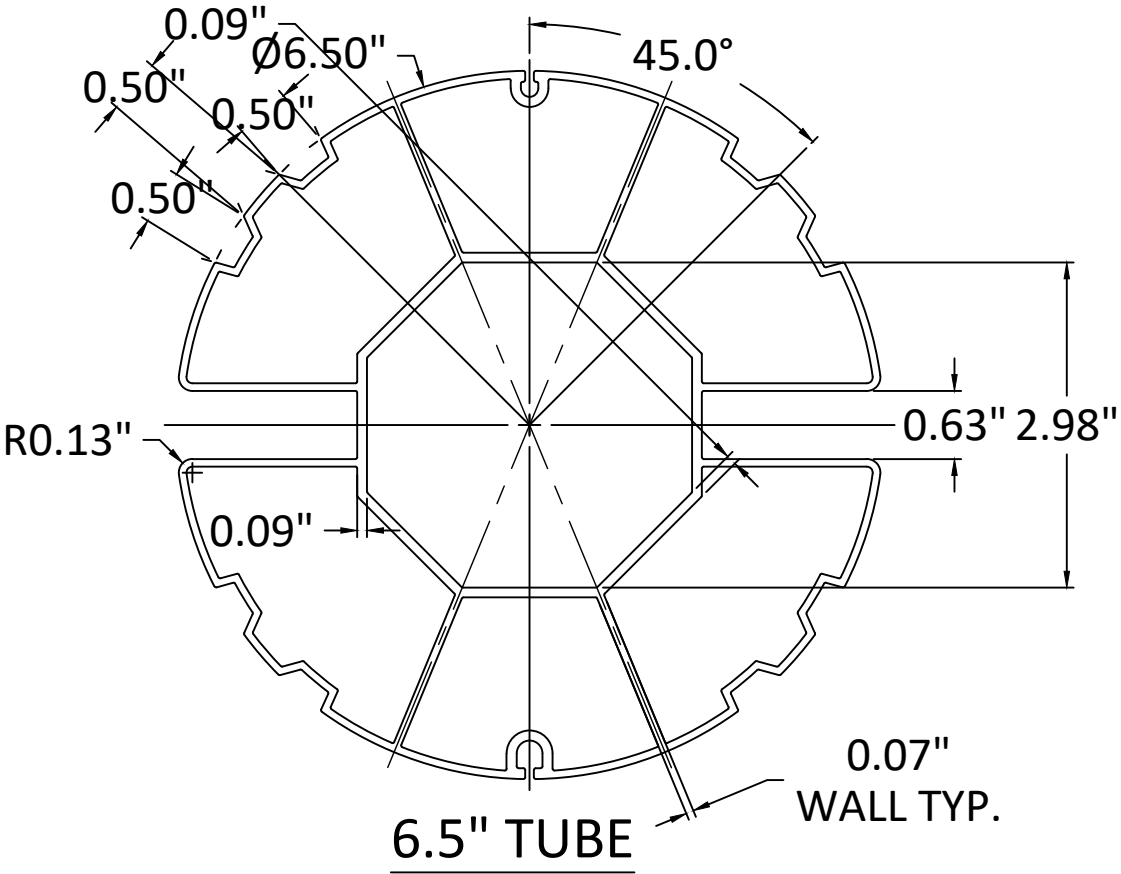
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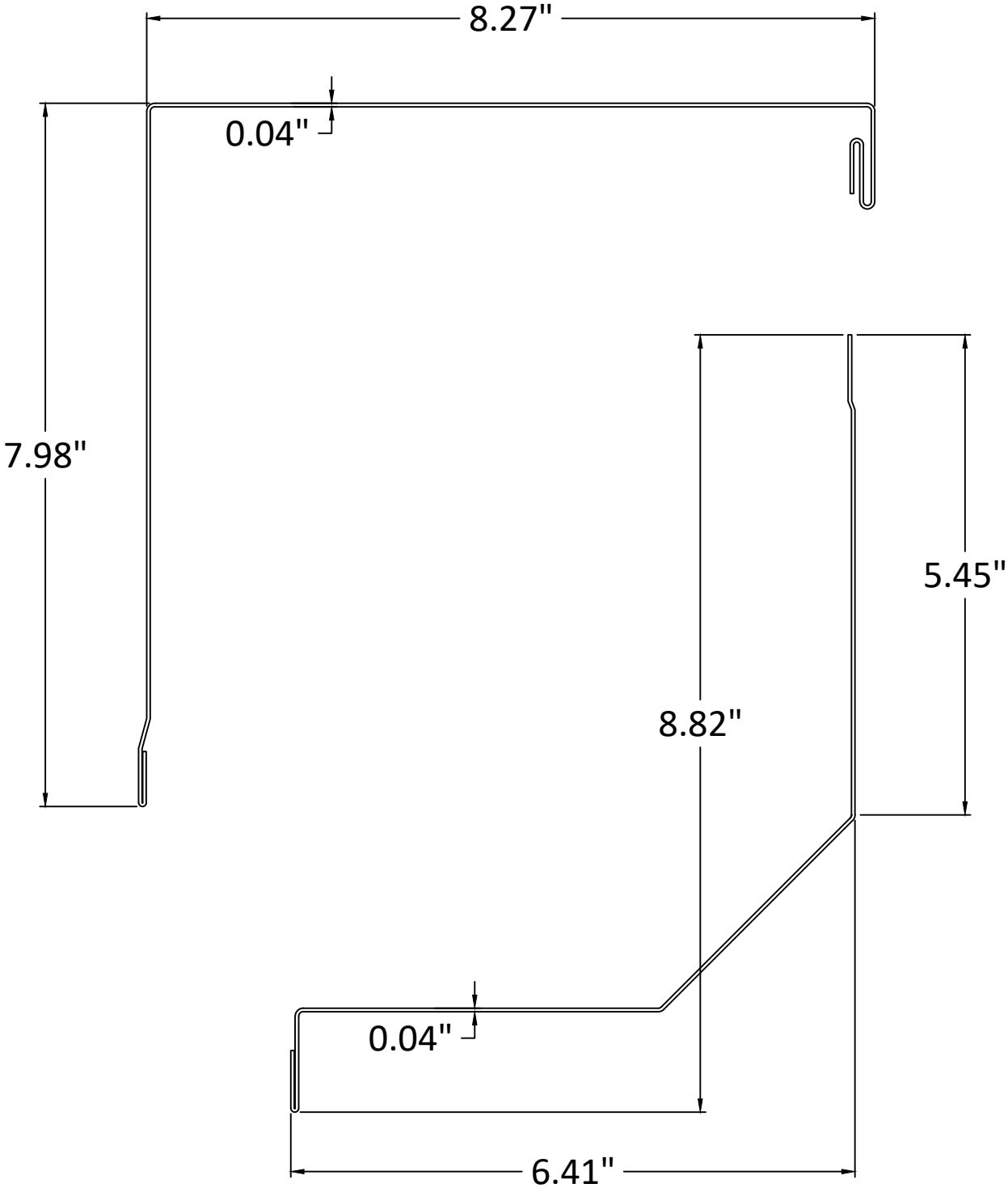
DWG. #: PRG003

SHEET: OF 34

6.5" TUBE AND 8" HOOD DETAILS



NOTE:
6.5" TUBE IS COMPATIBLE WITH
7.5", 8", 10", OR 12" HOOD.



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
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PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)

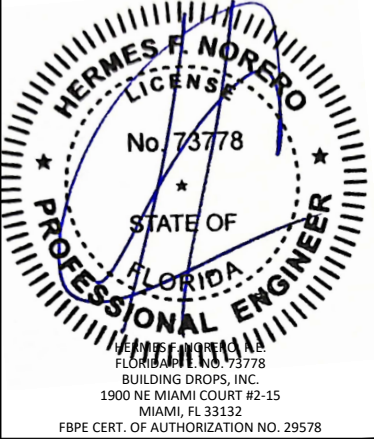
6.5" TUBE & 7.5" HOOD DETAILS

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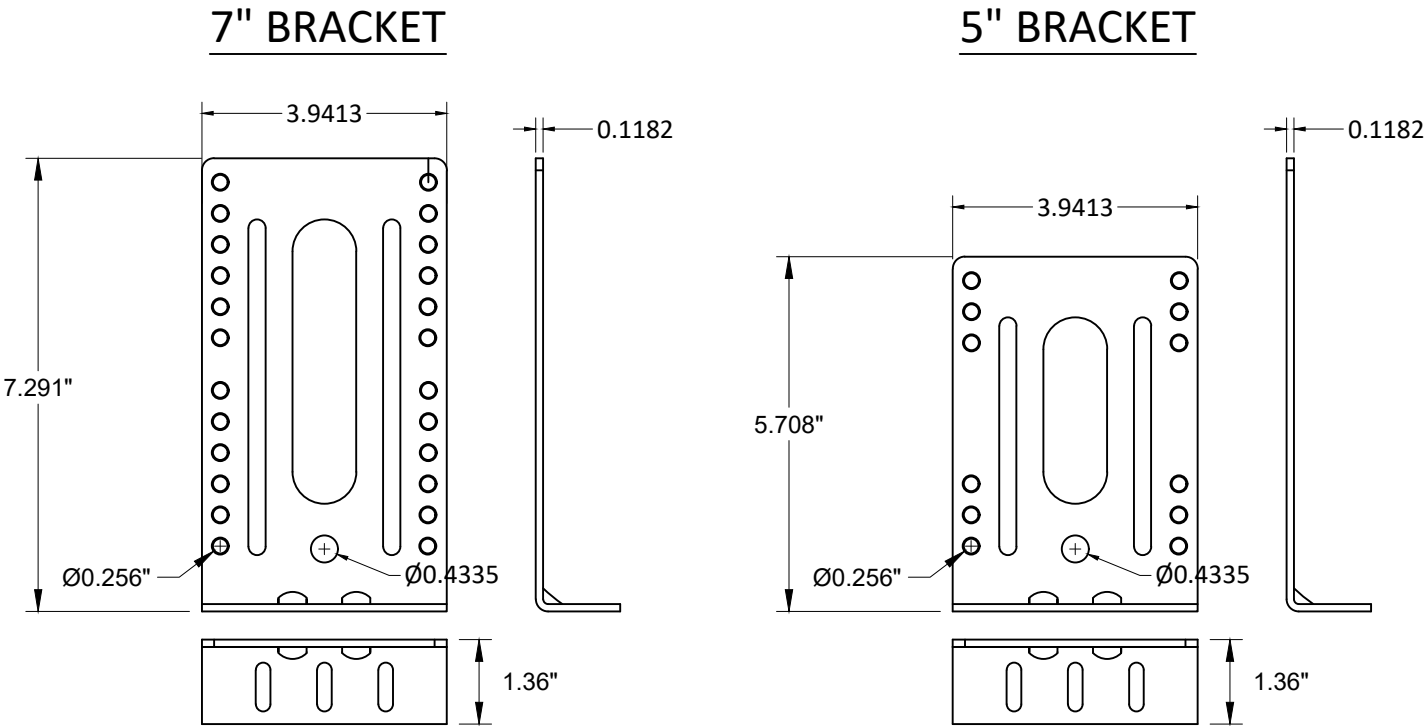
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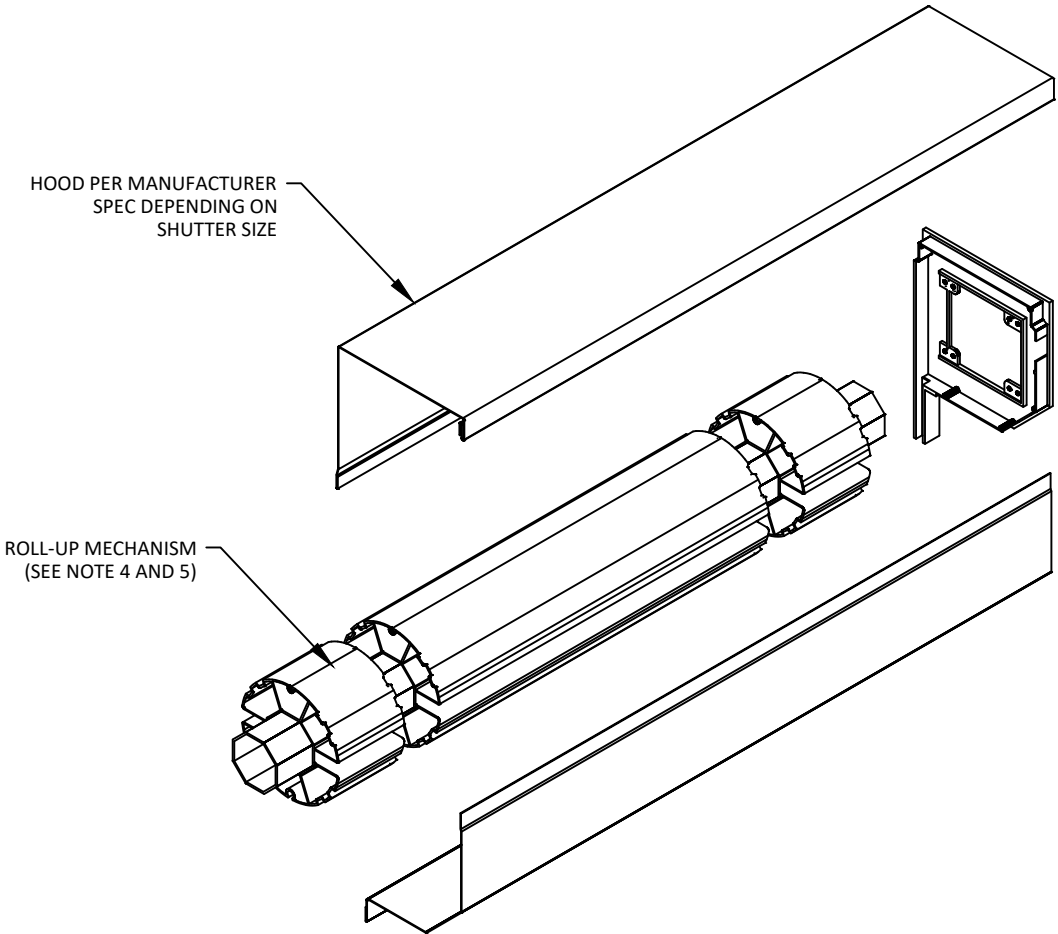
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SHEET:	OF 34

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MOUNTING BRACKETS



TYPICAL ROLL-UP MECHANISM



CONSTRUCTION NOTES

1. MAGNETS SPACED AT 16" FROM TOP OF TRACK THEN AT 16" O.C.
2. SCREEN FABRIC DESCRIPTION: A WOVEN SCREEN FABRIC USING .027" DIAMETER VINYL COATED 1500 DENIER POLYESTER YARNS IN THE WRAP DIRECTION AND .030" VINYL COATED 2,000D ARAMID YARNS OR UHMWPP YARNS IN THE FILL DIRECTION.
3. KEDER IS 4 MM (AT TRACKS) AND 5 MM (AT WEIGHT BAR) PVC CORD PROVIDED BY KEDER SOLUTIONS WITH A TENSILE STRENGTH OF 2100 PSI, WRAPPED AND WELDED WITH A DOUBLE FLAP KEDER USING STANDARD WEAVE FABRIC (WHITE OR BLACK) PROVIDED BY KEDER SOLUTIONS, WITH 64 MM WIDTH (AT TRACKS) AND 74 MM WIDTH (AT WEIGHT).
4. THE ROLL-UP MECHANISM (GEARS, MOTOR, SUPPORTING END PLATES, MOUNTING BRACKETS) ARE NOT A PART OF THIS APPROVAL AND SHALL BE SELECTED AND INSTALLED BASED ON SCREEN SIZE AND MANUFACTURER'S SPECIFICATIONS FOR PROPER OPERATION.
5. 4", 5.5, 6" OR 6.5" DIAMETER REEL TUBE PER MANUFACTURER SPECIFICATION
6. TUBULAR MOTOR MAY BE REPLACED WITH GEAR FOR MANUAL OPERATION.

FABRIC MATERIAL PROPERTIES				
PROPERTY	UNITS	STANDARD	ALLOWABLE	ACTUAL
SELF IGNITION TEMPERATURE	°F	D1929	>650	751
RATE OF BURN (CLASS C1)	IN/MIN	D635	< 1.0	0.0
SMOKE DENSITY	SDR	D2843	<75%	10.6%
ACCELERATED WEATHERING	PSI	G155 / D638	< 10%	7.8%



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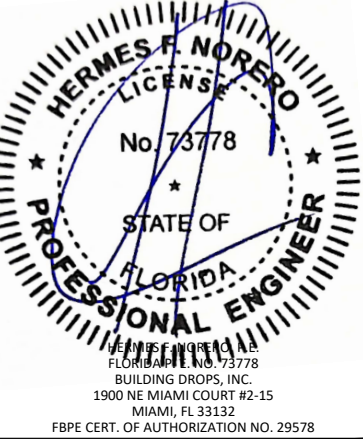
TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
CONSTRUCTION NOTES
& HOOD ASSEMBLY

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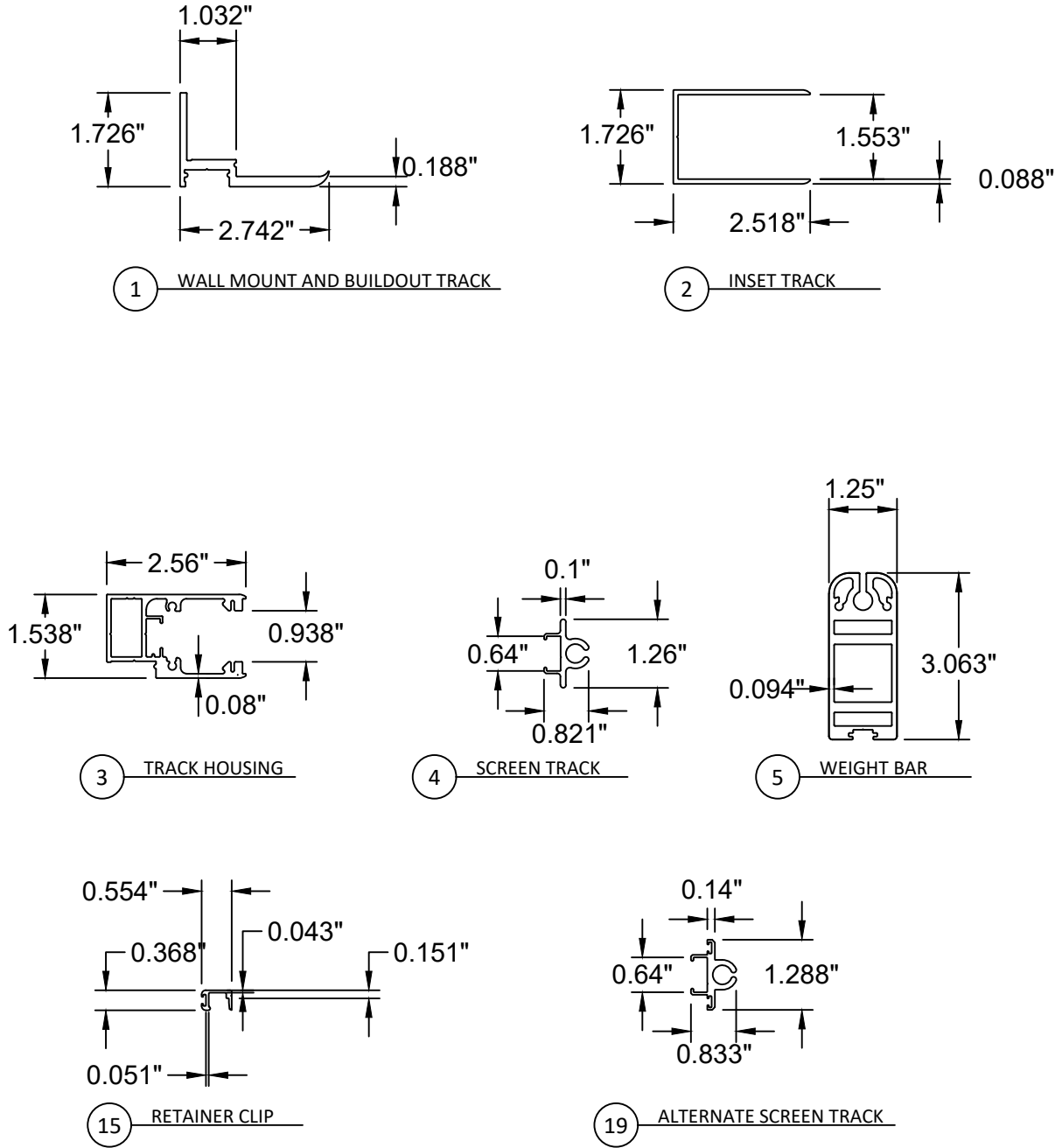
DWG. #: PRG003

SHEET: OF 34

30

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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	WALL MOUNT & BUILDOUT TRACK	-
2	INSET TRACK	-
3	TRACK HOUSING	-
4	SCREEN TRACK	-
5	WEIGHT BAR	-
6	5 1/2" HOOD CAP	-
7	6" EXTRUDED HOOD CAP	-
8	7 1/2" EXTRUDED HOOD CAP	-
9	8 1/2" EXTRUDED HOOD CAP	-
10	8" SL HOOD CAP	-
11	8" LL HOOD CAP	-
12	10" SL HOOD CAP	-
13	10" LL HOOD CAP	-
14	12" HOOD CAP	-
15	RETAINER CLIP	-
16	7 1/2" EXTRUDED HOOD CAP	-
17	7 1/2" EXTRUDED HOOD CAP	-
18	8 1/2" EXTRUDED HOOD CAP	-
19	ALTERNATE SCREEN TRACK	-



PROGRESSIVE SCREENS
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TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)
BOM & COMPONENTS

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HERMES F. NORERO
FLORIDA PROFESSIONAL ENGINEER
No. 73778
STATE OF FLORIDA
BUILDING DROPS, INC.
1900 NE MIAMI COURT #2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

FL#:
FL30798

DATE: 10.15.19

DWG. BY:
SM/AR

CHK. BY:
HFN

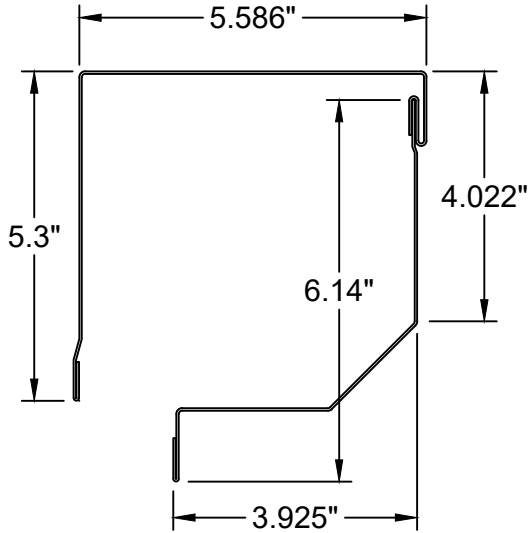
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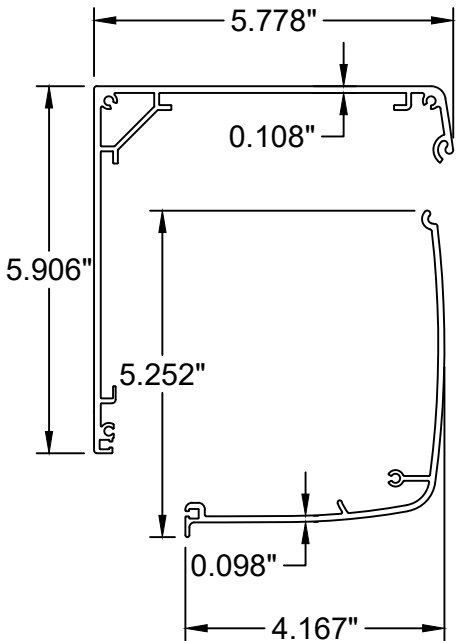
SHEET: 31 OF 34

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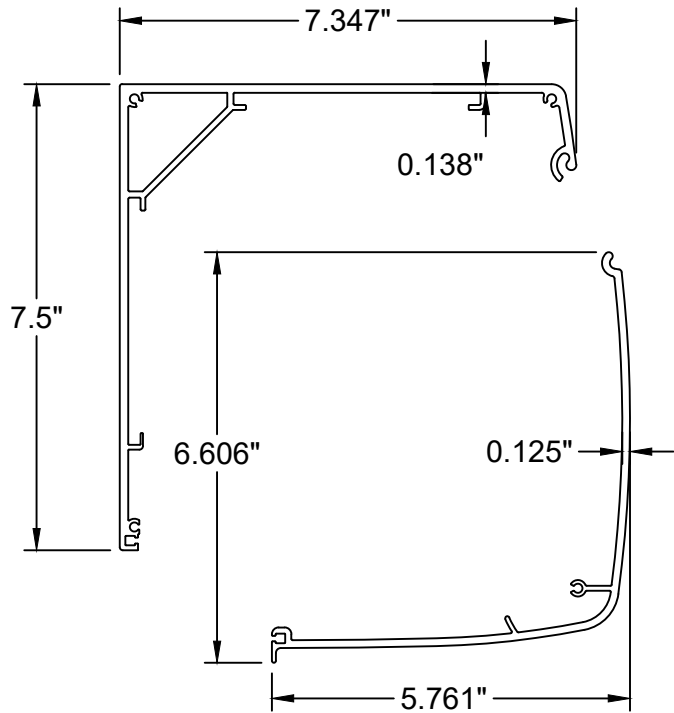
HOOD OPTIONS



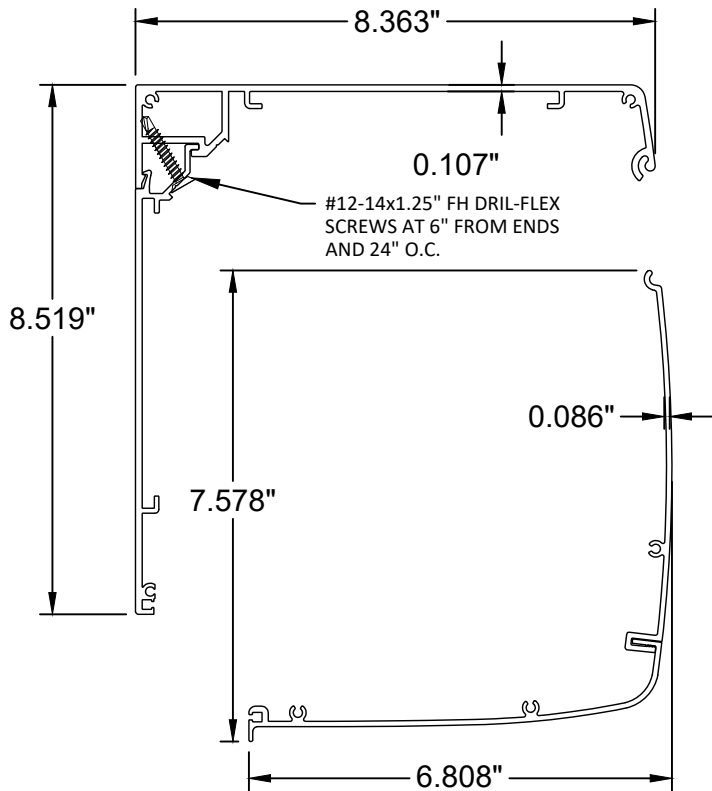
6 5 1/2" HOOD CAP



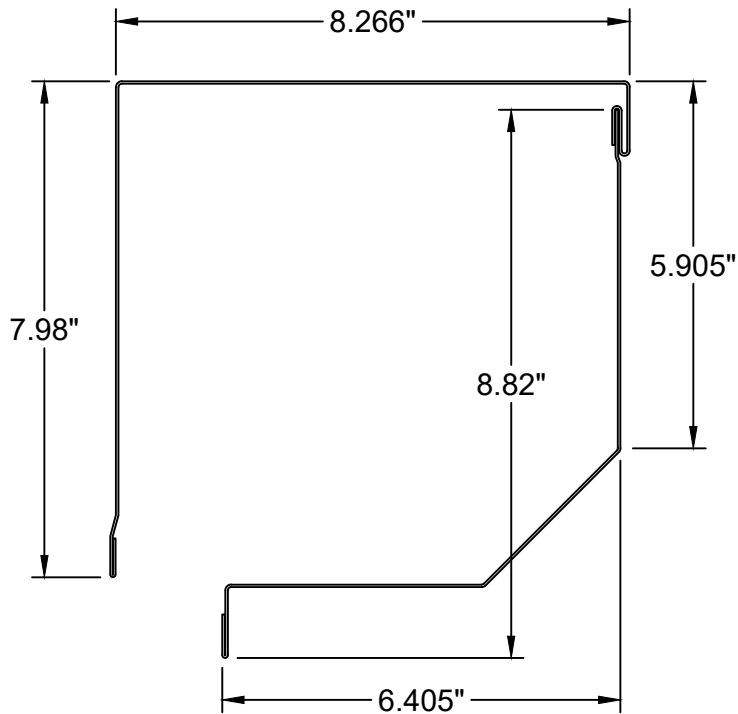
7 6" EXTRUDED HOOD CAP



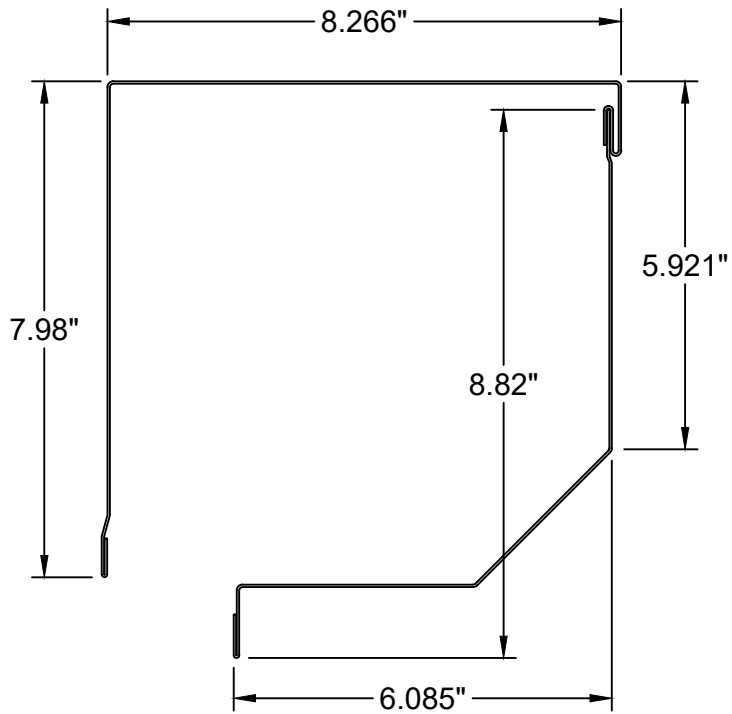
8 7 1/2" EXTRUDED HOOD CAP



9 8 1/2" EXTRUDED HOOD CAP



10 8" (SL) HOOD CAP



11 8" (LL) HOOD CAP



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)

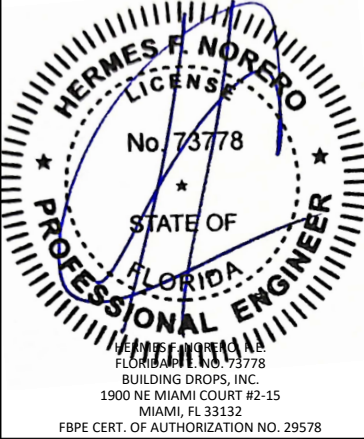
HOOD OPTIONS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL#: **FL30798**

DATE: **10.15.19**

DWG. BY: **SM/AR** CHK. BY: **HFN**

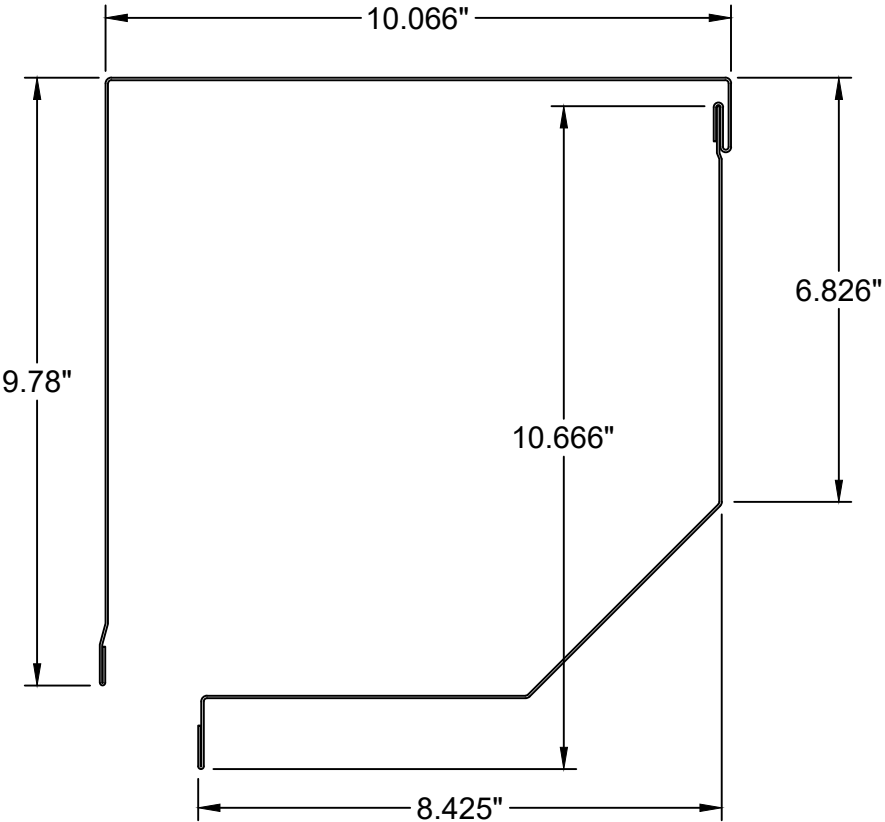
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DWG. #: **PRG003**

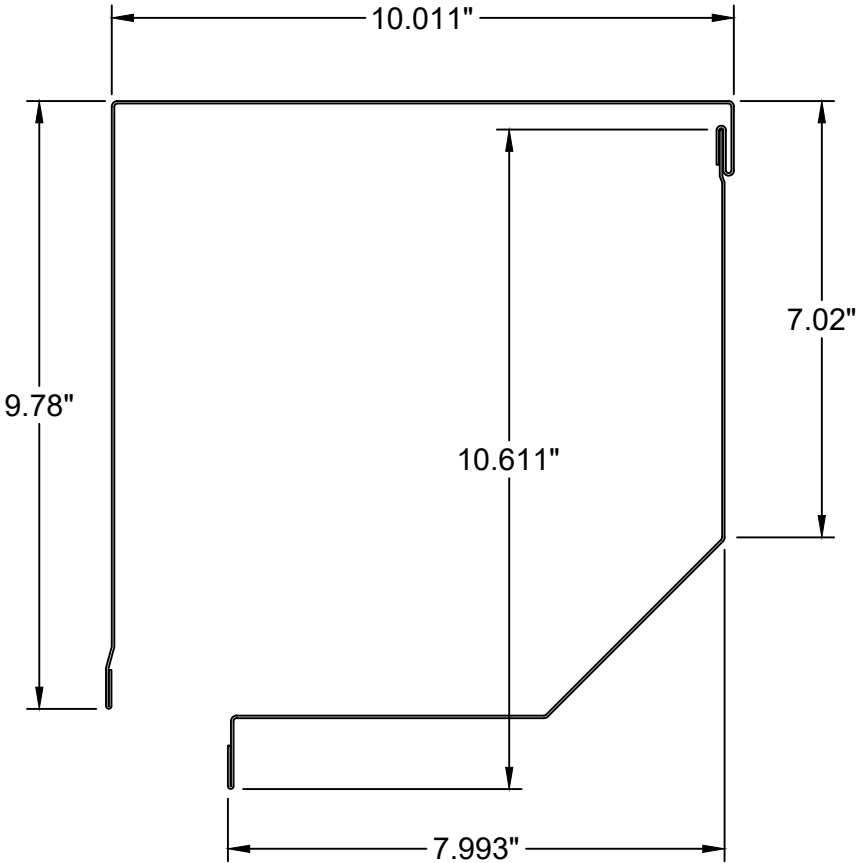
SHEET: **32** OF 34

c:\users\dylanwata\building drops, inc\building drops landing - common\projects\progressive screens\fbc-25-0633 - fbc submittal - fl30798 magnatrack hurricane system - hood revision\dwgs\prg003.dwg 9/8/2025 12:03 PM

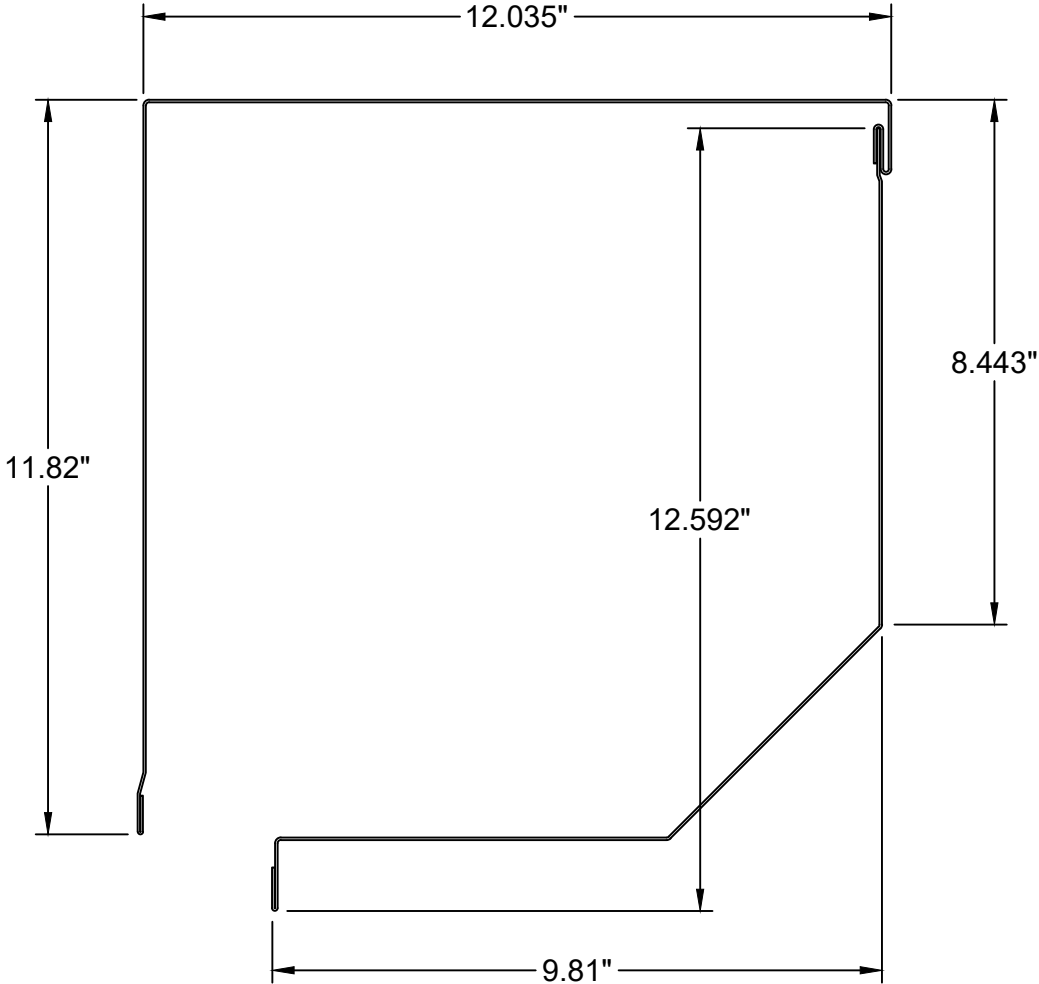
HOOD OPTIONS (CONT)



12 10" (SL) HOOD CAP



13 10" (LL) HOOD CAP



14 12" HOOD CAP



PROGRESSIVE SCREENS
7839 FRUITVILLE ROAD
SARASOTA, FLORIDA 34240
PH: 866-802-0400

TITLE: MAGNATRACK HURRICANE SYSTEM
FABRIC ROLL SHUTTER
(HVHZ) (IMPACT)

HOOD OPTIONS (CONT)

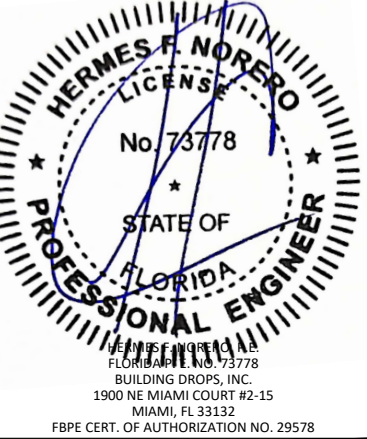
PREPARED BY: BUILDING DROPS, INC.

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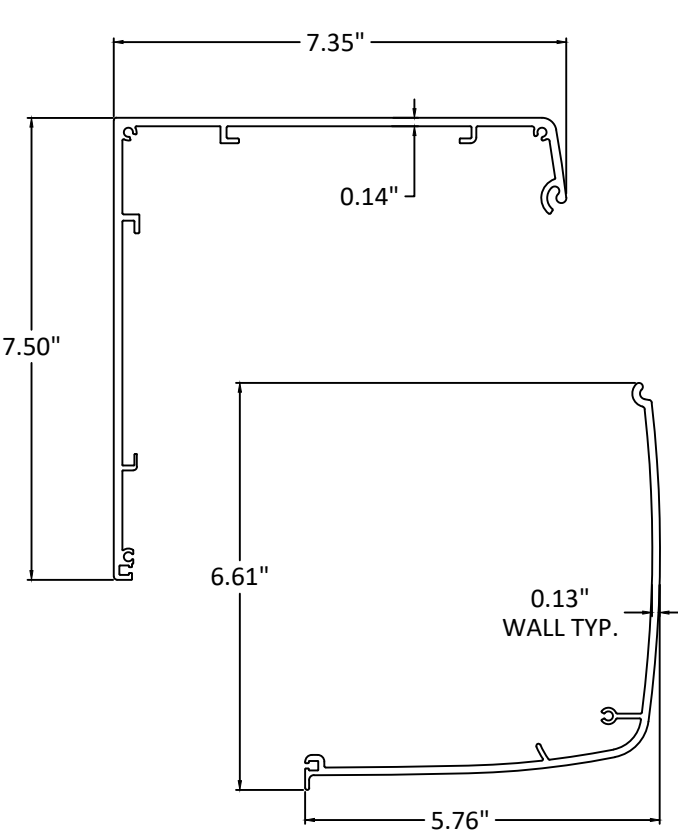
REMARKS	BY	DATE
NEW TESTING UPDATE	SH	2/10/22
FBC UPDATE	SM	9/26/23
HOOD UPADTE	SM	9/26/23
HOOD UPADTE	DI	6/20/25

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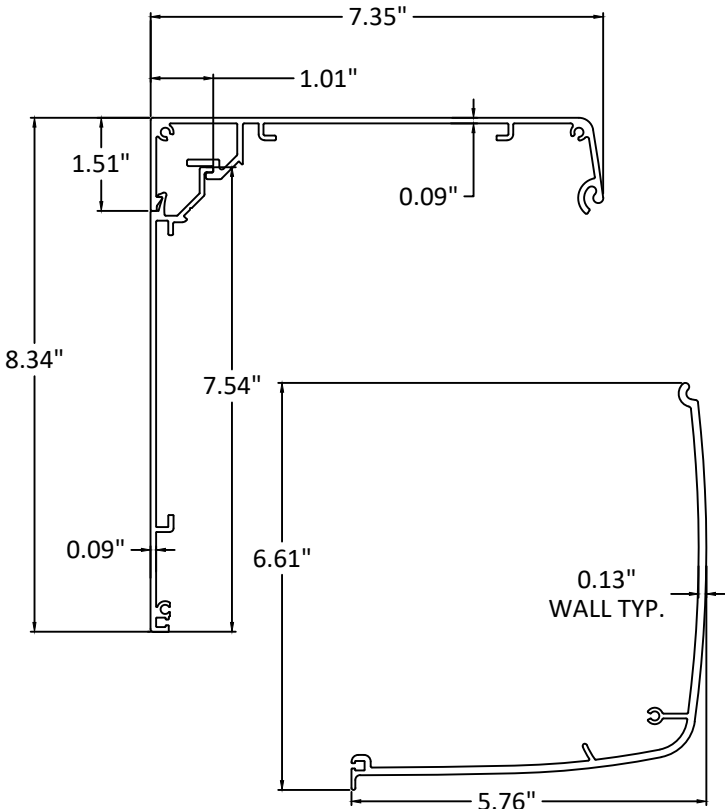


FL#:	FL30798
DATE:	10.15.19
DWG. BY:	CHK. BY:
SM/AR	HFN
SCALE:	NTS
DWG. #:	PRG003
SHEET:	OF 34

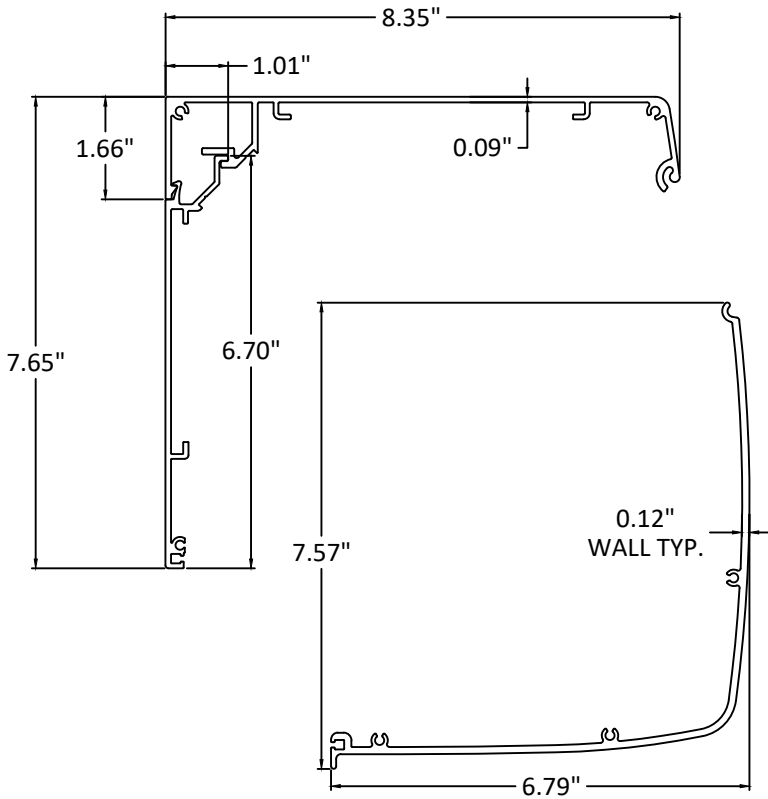
HOOD OPTIONS (CONT)



16 7 1/2" EXTRUDED HOOD CAP



17 7 1/2" EXTRUDED HOOD CAP



18 8 1/2" EXTRUDED HOOD CAP



PROGRESSIVE SCREENS
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TITLE: MAGNATRACK HURRICANE SYSTEM
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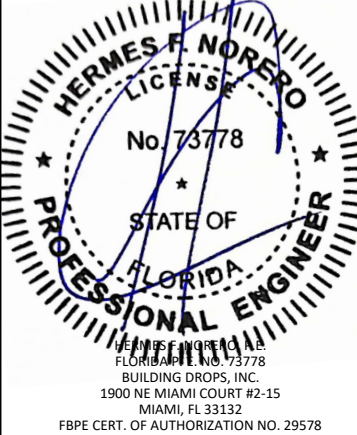
HOOD OPTIONS (CONT)

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SCALE: NTS

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SHEET: OF 34