

PROGRESSIVE SCREENS

MAGNATRACK HURRICANE SYSTEM

FABRIC ROLL SHUTTER

LARGE MISSILE IMPACT RATED

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND 2018 INTERNATIONAL RESIDENTIAL CODE (IRC), 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
- 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.
- 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.
- 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.
- INSTALLATION OF ROLL DOWN MAY EITHER BE INSIDE OR OUTSIDE OF THE TIE BEAM.
- ALL EXTRUSION MATERIAL: 6063-T6 ALUMINUM ALLOY, UNLESS OTHERWISE NOTED.
- 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.
- FOR DESIGN PRESSURES SEE SHEET 2. SEE SHEETS 14, 16 AND 17 FOR DESIGN PRESSURES BASED ON MULLIONS.
- HOOD ASSEMBLY IS IMPACT RATED AND CAN BE PLACED INSIDE FRAME OPENING AS AN EXPOSED FEATURE.
- SHUTTER MANUFACTURER LABEL SHALL BE LOCATED IN A READILY VISIBLE LOCATION, PER IBC CHAPTER 17.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 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.
- REFER TO ANCHOR SCHEDULE CHARTS ON SHEETS 7, 8, 10, 13, 17, AND 20 FOR ANCHOR TYPE, SUBSTRATE TYPE, EDGE DISTANCE AND MINIMUM EMBEDMENT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- ASSEMBLY FASTENERS SHALL BE COATED WITH AN HV COATING SYSTEM AS MANUFACTURED BY AN APPROVED COATING APPLICATOR REGISTERED WITH THE AMERICAN SHUTTER SYSTEMS ASSOCIATION.
- EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. SEE ANCHOR SCHEDULES, SHEETS 5, 6, 8, 13 AND 16 FOR ADDITIONAL REQUIREMENTS.
 - GROUT FILLED MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MIN 2000 PSI.
 - STEEL - MINIMUM A36, 3/16" THICKNESS
 - ALUMINUM - MINIMUM 6063-T6 1/4" THICKNESS.

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TITLE: MAGNATRACK HURRICANE SYSTEM
GENERAL & INSTALLATION NOTES

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REMARKS	BY	DATE

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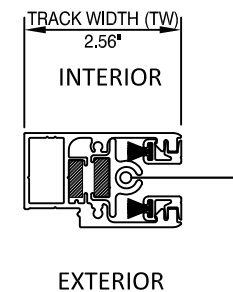


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TBPFE FIRM NO. 13734

DATE:	01.03.22	
DWG. BY:	SM	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	PRG004	
SHEET:	1	OF 29

DESIGN PRESSURE RATINGS

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

Progressive
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TITLE: **MAGNATRACK HURRICANE SYSTEM
 ELEVATION & DESIGN PRESSURE
 TABLE**

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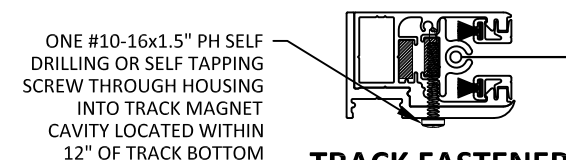
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SCALE: **NTS**

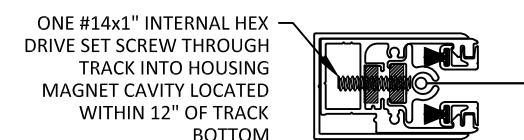
DWG. #: **PRG004**

SHEET: OF 29



ONE #10-16x1.5" PH SELF DRILLING OR SELF TAPPING SCREW THROUGH HOUSING INTO TRACK MAGNET CAVITY LOCATED WITHIN 12" OF TRACK BOTTOM

TRACK FASTENER REQUIREMENT DETAIL (USED ON WALL AND BUILD OUT INSTALLATIONS)



ONE #14x1" INTERNAL HEX DRIVE SET SCREW THROUGH TRACK INTO HOUSING MAGNET CAVITY LOCATED WITHIN 12" OF TRACK BOTTOM

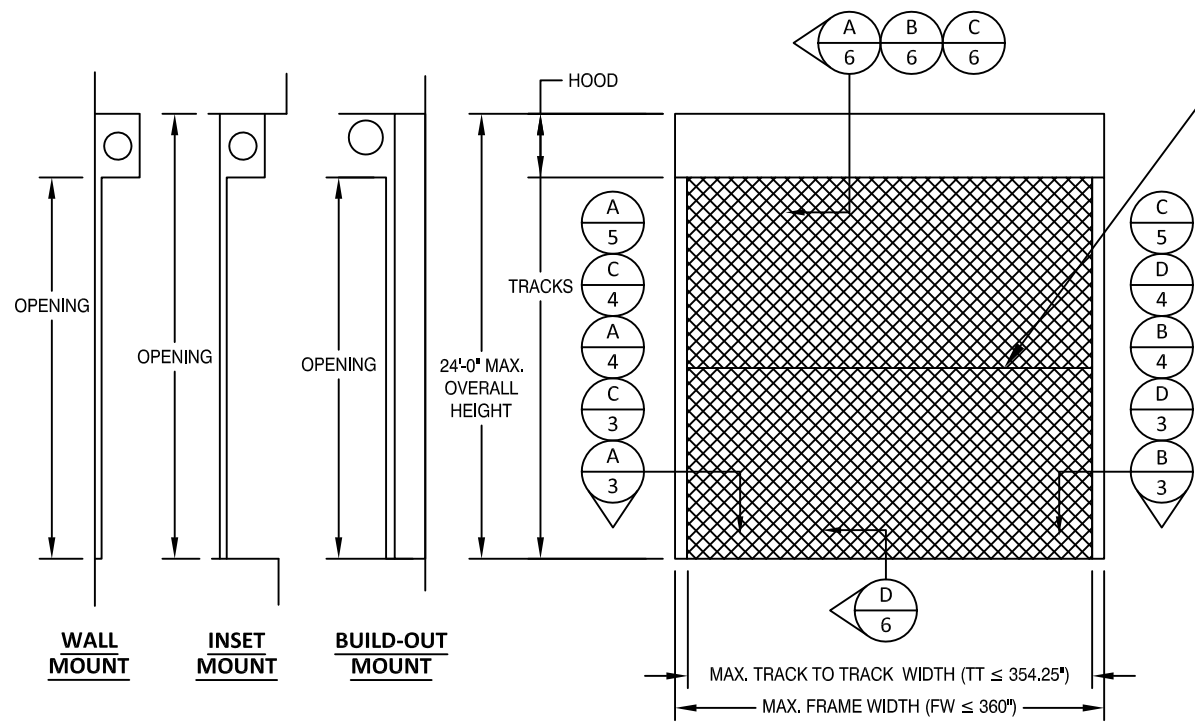
TRACK FASTENER REQUIREMENT DETAIL (USED ON INSET INSTALLATIONS)

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:
- GLASS SEPARATION AS SHOWN IN THE ABOVE TABLE IS REQUIRED FOR ESSENTIAL FACILITIES AS DEFINED BY ASCE 7.
 - MINIMUM GLASS SEPARATION BASED ON MAXIMUM DEFLECTION + 1".
 - ANALYSIS IS LIMITED BY DEFLECTION UNDER STRUCTURAL LOADS AS WELL AS DEFLECTION DUE TO MISSILE LEVEL D LARGE MISSILE IMPACTS.
 - APPROPRIATE INSTALLATION METHOD SHALL BE USED TO ACHIEVE THE REQUIRED SEPARATION IN THE ABOVE TABLE.

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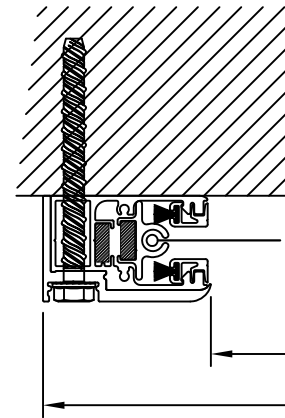
TYPICAL SINGLE UNIT ELEVATION WALL AND INSET MOUNT DETAILS



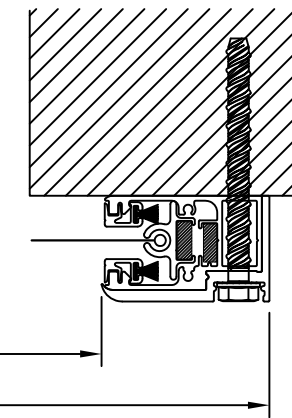
REVERSED INSTALLATION IS ACCEPTABLE

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



B
3 HORIZONTAL SECTION
WALL MOUNT

INTERIOR

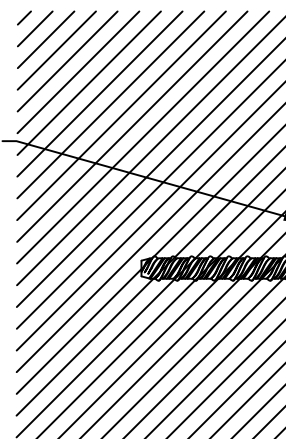
EXTERIOR

TRACK TO TRACK (TT)
SHUTTER WIDTH (SW)
 $TT + TW \times 2$

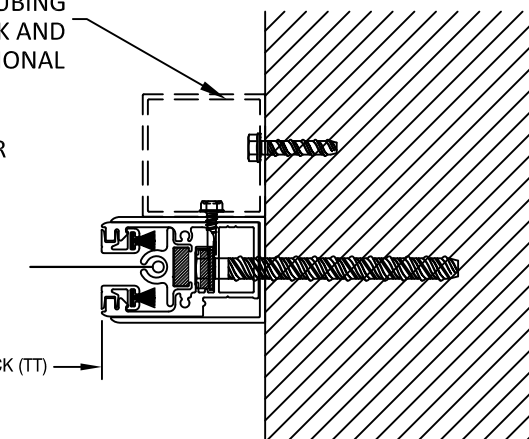
SEE DETAILS ON SHEETS 7-15 FOR ANCHOR REQUIREMENTS

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



D
3 HORIZONTAL SECTION
INSET MOUNT

INTERIOR

EXTERIOR

TRACK TO TRACK (TT)
SHUTTER WIDTH (SW)
 $TT + TW \times 2$



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TITLE: MAGNATRACK HURRICANE SYSTEM
TYP. SINGLE UNIT HORIZONTAL SECTIONS

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REMARKS	BY	DATE

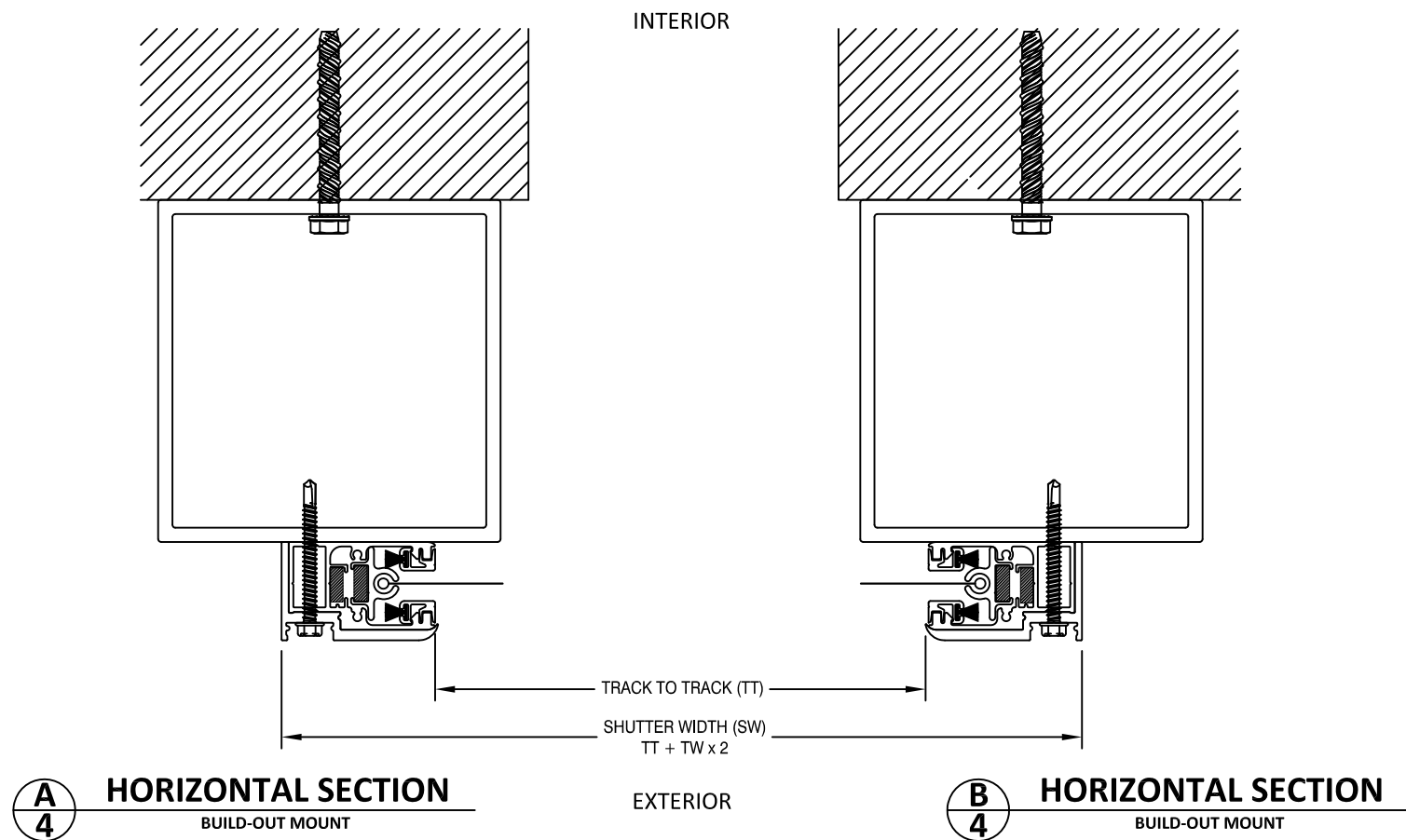
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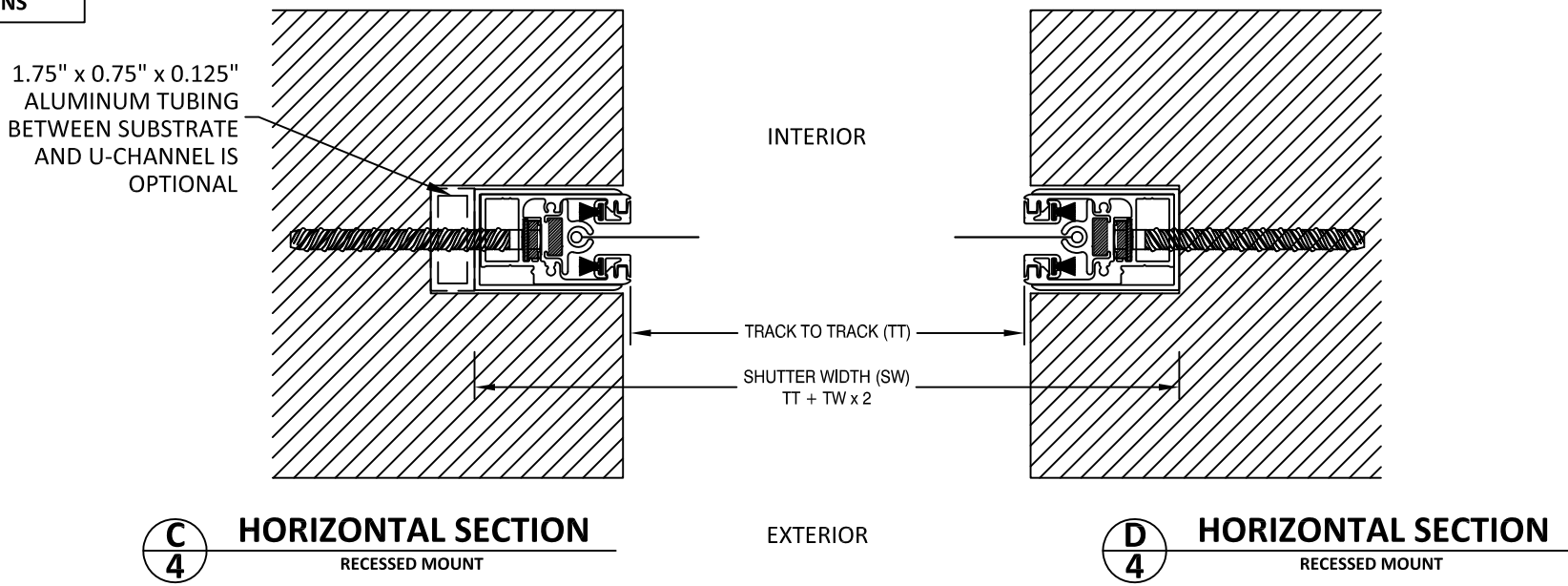
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SCALE:	NTS	
DWG. #:	PRG004	
SHEET:	OF 29	

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



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HORIZONTAL SECTIONS

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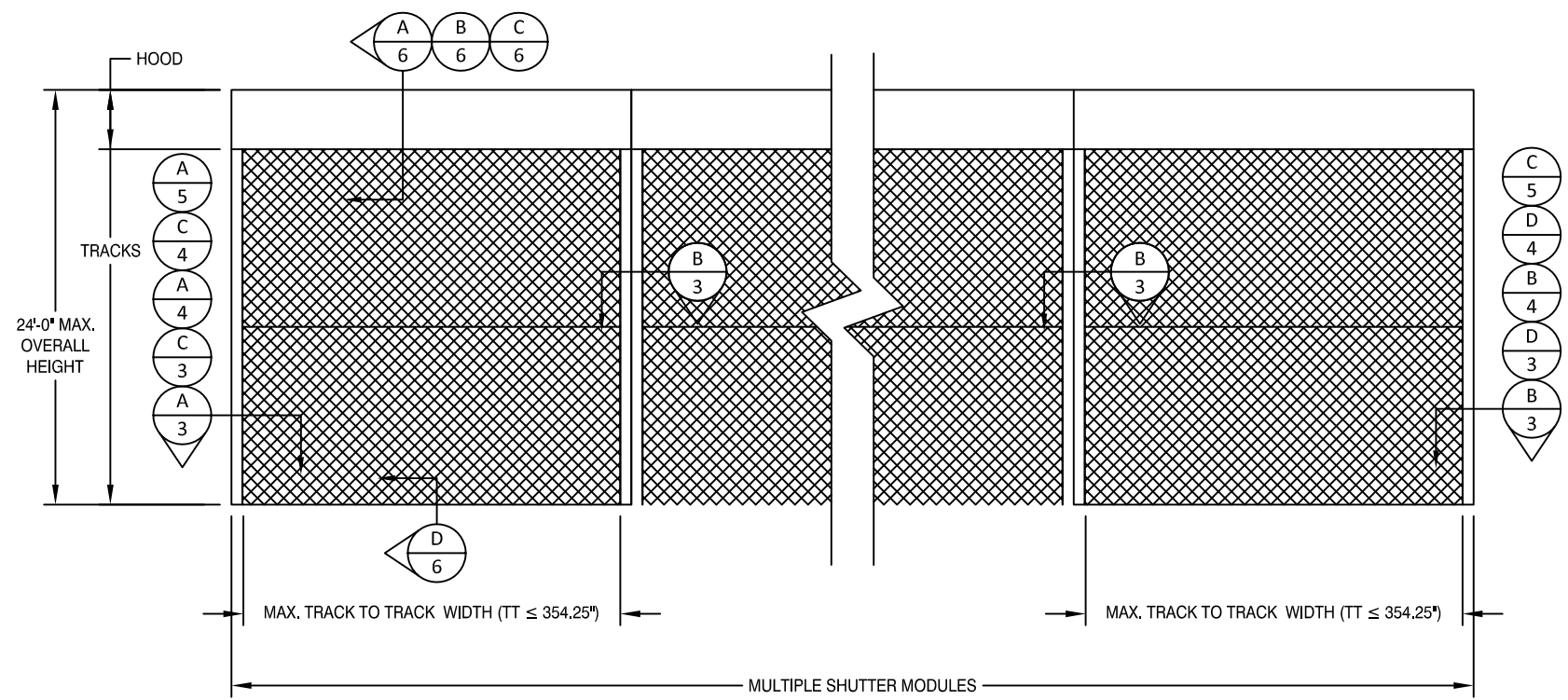
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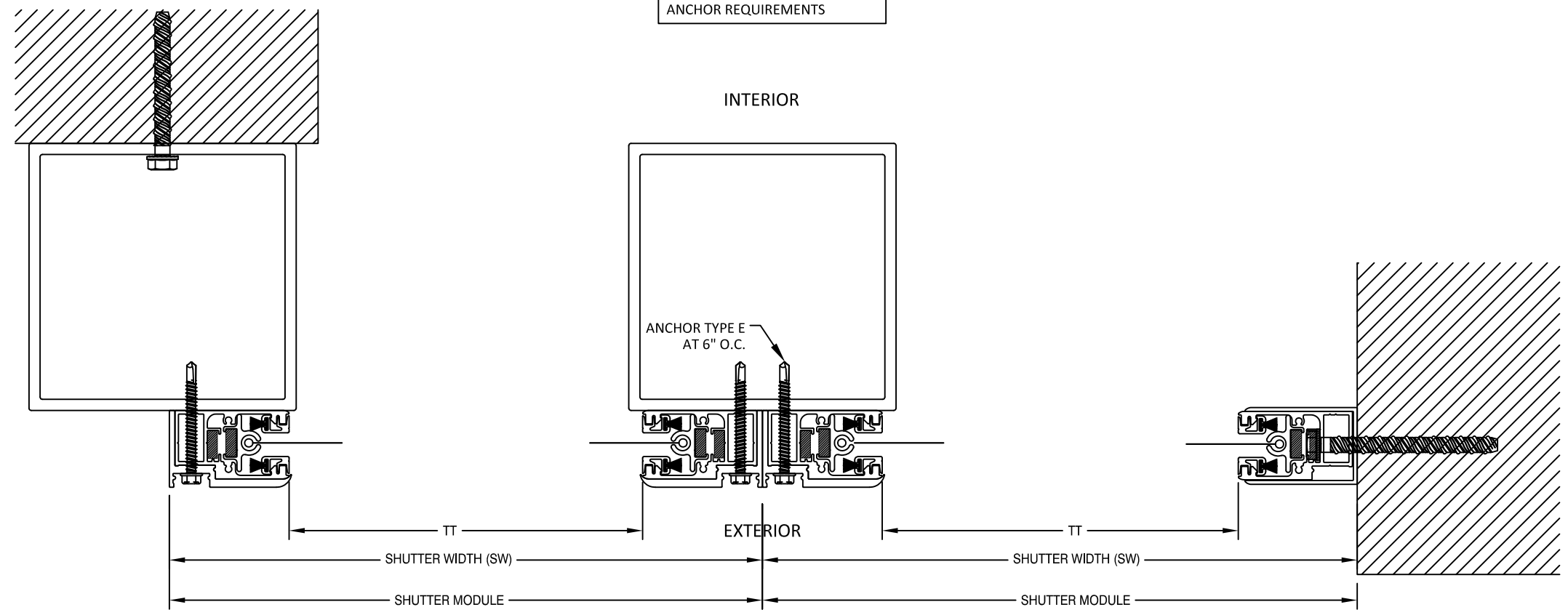
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TYPICAL MULTIPLE UNITS ELEVATION



SEE DETAILS ON SHEETS 7-15 FOR ANCHOR REQUIREMENTS



A
5 HORIZONTAL SECTION
BUILD-OUT MOUNT

B
5 HORIZONTAL SECTION
MULTIPLE CONNECTION

C
5 HORIZONTAL SECTION
INSET MOUNT



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TITLE: MAGNATRACK HURRICANE SYSTEM
MULTIPLE UNITS
HORIZONTAL SECTIONS

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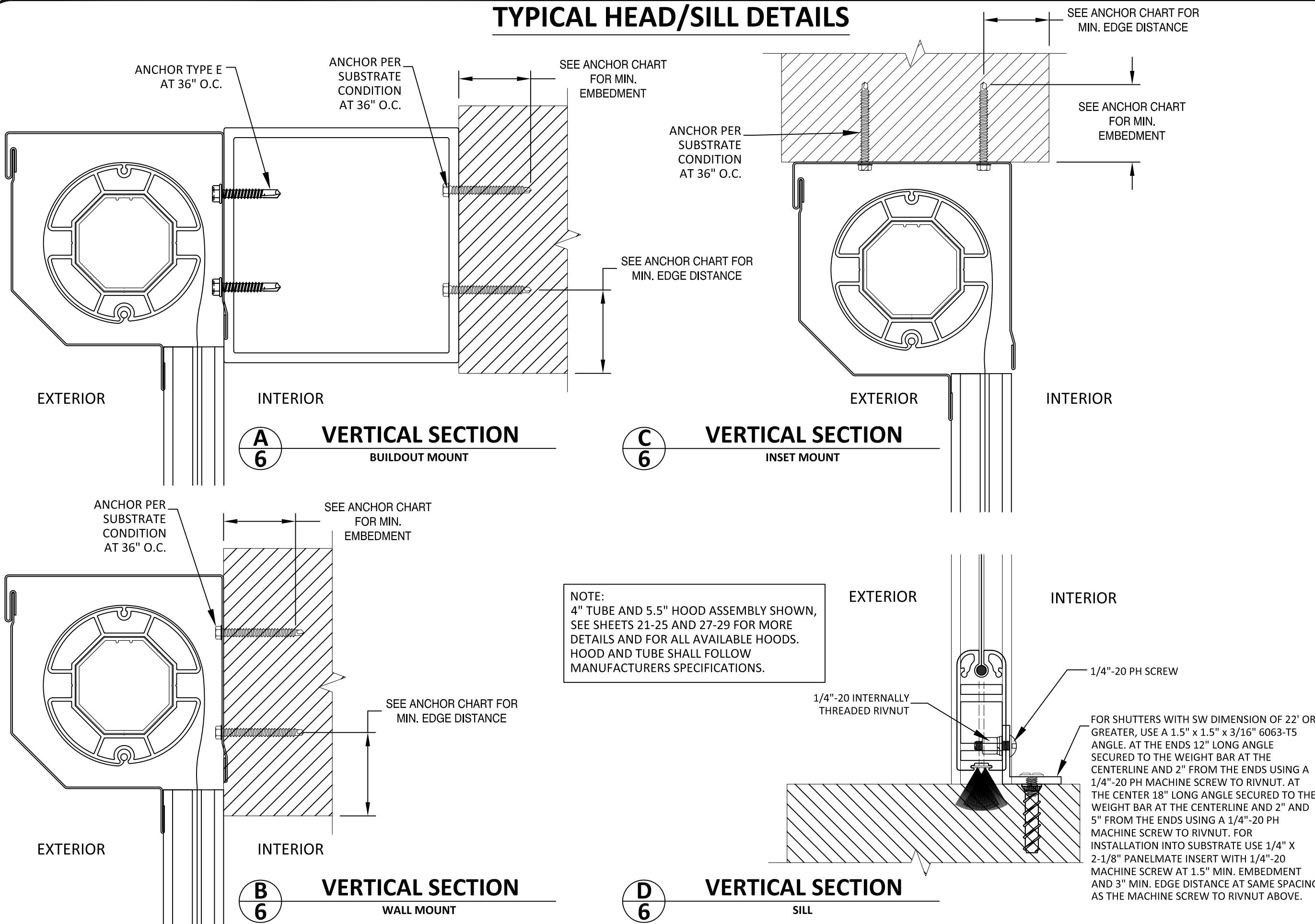
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TBP RE FIRM NO. 13734

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DWG. #: PRG004
SHEET: 5 OF 29

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TYPICAL HEAD/SILL DETAILS



NOTE:
 4" TUBE AND 5.5" HOOD ASSEMBLY SHOWN,
 SEE SHEETS 21-25 AND 27-29 FOR MORE
 DETAILS AND FOR ALL AVAILABLE HOODS.
 HOOD AND TUBE SHALL FOLLOW
 MANUFACTURERS SPECIFICATIONS.

FOR SHUTTERS WITH SW DIMENSION OF 22' OR
 GREATER, USE A 1.5" x 1.5" x 3/16" 6063-T5
 ANGLE. AT THE ENDS 12" LONG ANGLE
 SECURED TO THE WEIGHT BAR AT THE
 CENTERLINE AND 2" FROM THE ENDS USING A
 1/4"-20 PH MACHINE SCREW TO RIVNUT. AT
 THE CENTER 18" LONG ANGLE SECURED TO THE
 WEIGHT BAR AT THE CENTERLINE AND 2" AND
 5" FROM THE ENDS USING A 1/4"-20 PH
 MACHINE SCREW TO RIVNUT. FOR
 INSTALLATION INTO SUBSTRATE USE 1/4" X
 2-1/8" PANELMATE INSERT WITH 1/4"-20
 MACHINE SCREW AT 1.5" MIN. EMBEDMENT
 AND 3" MIN. EDGE DISTANCE AT SAME SPACING
 AS THE MACHINE SCREW TO RIVNUT ABOVE.



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TITLE: MAGNATRACK HURRICANE SYSTEM
 TYP. VERTICAL SECTIONS

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SHEET:	6	OF 29

TITLE: MAGNATRACK HURRICANE SYSTEM
HORIZONTAL SECTIONS & ANCHOR SCHEDULE

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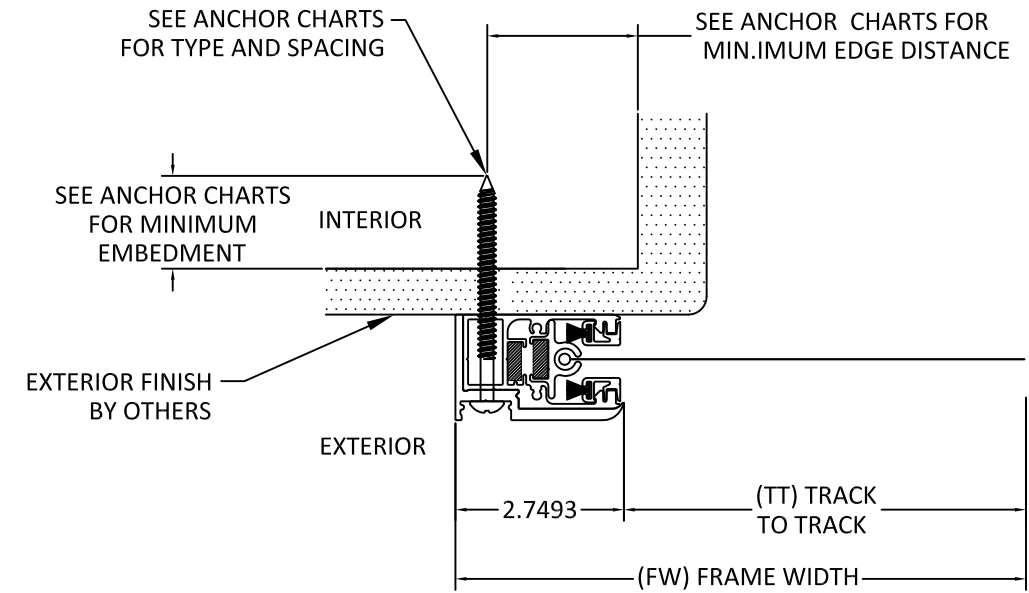
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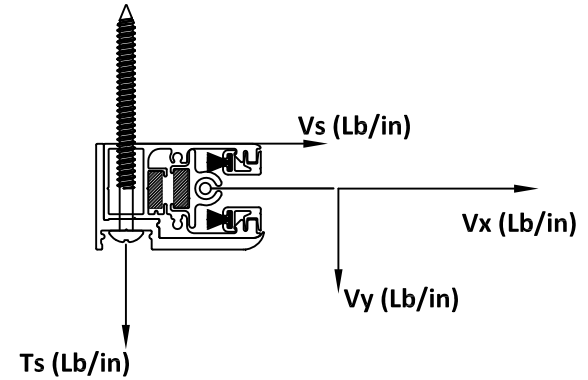
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SCALE:	NTS
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SHEET:	OF 29

TYPICAL HORIZONTAL SECTIONS WALL MOUNT



A
7
HORIZONTAL SECTION
MOUNT TYPE 1
WALL MOUNT
*WITH END RETENTION



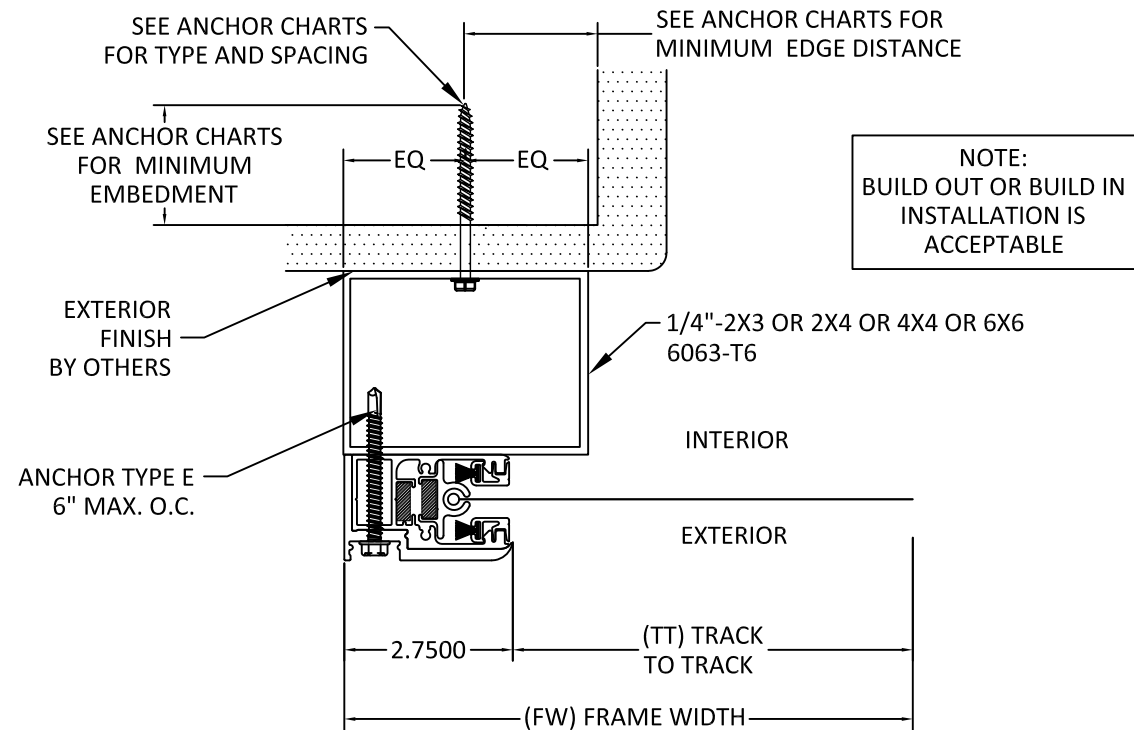
Anchor	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
C	3/8" POWERS WEDGE BOLT	GROUT FILLED C-90 BLOCK f'm ≥ 1500 PSI	2"	2 1/2"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK f'm ≥ 2000 PSI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

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
35	0.0	8.8	0.0	39.0	12	12	12	12	12	12	6	12	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	5
45	64.0	11.3	64.0	162.8	12	12	12	12	12	12	6	12	11	6	10	12	9	5	5
50	64.0	12.5	64.0	164.1	12	12	12	12	12	12	6	12	11	6	10	12	9	5	5
55	64.0	13.8	64.0	165.4	12	12	12	12	12	12	6	12	11	6	10	12	9	5	5
60	64.0	15.0	64.0	166.7	12	12	12	12	12	12	6	12	11	6	9	12	9	4	4
65	64.0	16.3	64.0	167.9	12	12	12	12	12	12	6	12	11	6	9	12	9	4	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	4
70	64.0	17.5	64.0	169.2	12	12	12	12	12	12	6	12	10	6	9	12	9	4	4
75	64.0	18.8	64.0	170.5	12	12	12	12	12	12	6	12	10	6	9	12	8	4	4
80	64.0	20.0	64.0	171.8	12	12	12	12	12	12	6	12	10	6	9	12	8	4	4
85	64.0	21.3	64.0	173.0	12	12	12	12	12	12	6	12	10	6	9	12	8	4	4
90	64.0	22.5	64.0	174.3	12	12	12	12	12	12	6	12	10	5	9	12	8	4	4
95	64.0	23.8	64.0	175.6	12	12	12	12	12	12	6	12	10	5	9	12	8	4	4
100	64.0	25.0	64.0	177.2	12	12	12	12	12	12	6	12	10	5	8	12	8	4	4
105	64.0	26.3	64.0	178.9	12	12	12	12	12	12	6	12	9	5	8	12	8	4	4
110	64.0	27.5	64.0	180.6	12	12	12	12	12	12	6	12	9	5	8	12	8	4	4
115	64.0	28.8	64.0	182.3	12	12	12	12	12	12	6	12	9	5	8	12	8	4	4
120	64.0	30.0	64.0	184.0	12	12	12	12	12	12	6	12	9	5	8	12	7	4	4
125	64.0	31.3	64.0	185.7	12	12	12	12	12	12	6	12	9	5	8	12	7	4	4
130	64.0	32.5	64.0	187.3	12	12	12	12	12	12	6	12	9	5	8	12	7	4	4
135	64.0	33.8	64.0	189.0	12	12	12	12	12	12	6	12	9	5	8	12	7	4	4
140	64.0	35.0	64.0	190.7	12	12	12	12	12	12	6	12	9	5	8	12	7	4	4
145	64.0	36.3	64.0	192.4	12	12	12	12	12	12	6	12	8	5	8	12	7	4	4
150	64.0	37.5	64.0	194.1	12	12	12	12	12	12	6	12	8	5	7	12	7	3	3
155	64.0	38.8	64.0	195.8	12	12	12	12	12	12	6	12	8	5	7	12	7	3	3
160	64.0	40.0	64.0	197.5	12	12	12	12	12	12	6	12	8	5	7	12	7	3	3
165	64.0	41.3	64.0	199.1	12	12	12	12	12	12	6	12	8	5	7	12	7	3	3
170	64.0	42.5	64.0	200.8	12	12	12	12	12	12	6	12	8	5	7	12	7	3	3
175	64.0	43.8	64.0	202.5	12	12	12	12	12	12	6	12	8	5	7	12	6	3	3
180	64.0	45.0	64.0	204.2	12	12	12	12	12	12	6	12	8	5	7	12	6	3	3
185	64.0	46.3	64.0	205.9	12	12	12	12	12	12	6	12	8	4	7	12	6	3	3
190	64.0	47.5	64.0	207.6	12	12	12	12	12	12	6	12	8	4	7	12	6	3	3
195	64.0	48.8	64.0	209.2	12	12	12	12	12	12	6	12	7	4	7	12	6	3	3
200	64.0	50.0	64.0	184.0	12	12	12	12	12	12	6	12	7	4	7	12	6	3	3
35	73.4	10.2	73.4	0.0	12	12	11	12	12	12	6	12	9	5	8	12	7	4	4
40	73.4	11.7	73.4	0.0	12	12	11	12	12	12	6	12	9	5	8	12	7	4	4
45	73.4	13.1	73.4	0.0	12	12	11	12	12	12	6	12	9	5	8	12	7	4	4
50	73.4	14.6	73.4	0.0	12	12	11	12	12	12	6	12	9	5	8	12	7	4	4
55	73.4	16.0	73.4	184.0	12	12	11	12	12	12	6	12	9	5	7	12	7	3	3
60	73.4	17.5	73.4	185.5	12	12	11	12	12	12	6	12	8	5	7	12	7	3	3
65	73.4	19.0	73.4	187.0	12	12	11	12	12	12	6	12	8	4	7	12	7	3	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	3
70	73.4	20.4	73.4	190.0	12	12	11	12	12	12	6	12	8	4	7	12	7	3	3
75	73.4	21.9	73.4	191.5	12	12	11	12	12	12	6	12	8	4	7	12	7	3	3
80	73.4	23.3	73.4	193.0	12	12	11	12	12	12	6	12	8	4	7	12	6	3	3
85	73.4	24.8	73.4	193.5	12	12	11	12	12	12	6	12	8	4	7	12	6	3	3
90	73.4	26.3	73.4	194.4	12	12	11	12	12	12	6	12	8	4	7	12	6	3	3
95	73.4	27.7	73.4	195.9	12	12	11	12	12	12	6	12	8	4	7	12	6	3	3
100	73.4	29.2	73.4	197.4	12	12	11	12	12	12	6	12	7	4	7	12	6	3	3
105	73.4	30.6	73.4	198.9	12	12	11	12	12	12	6	12	7	4	6	12	6	3	3
110	73.4	32.1	73.4	200.4	12	12	11	12	12	12	6	12	7	4	6	12	6	3	3
115	73.4	33.5	73.4	202.0	12	12	11	12	12	12	6	12	7	4	6	12	6	3	3
120	73.4	35.0	73.4	204.0	12	12	11	12	12	12	6	12	7	4	6	12	6	3	3
125	73.4	36.5	73.4	205.9	12	12	11	12	12	12	6	12	7	4	6	12	6	3	3
130	73.4	37.9	73.4	207.9	12	12	11	12	12	12	6	12	7	4	6	12	6	3	3
135	73.4	39.4	73.4	209.9	12	12	11	12	12	12	6	12	7	4	6	12	6	3	3
140	73.4	40.8	73.4	211.8	12	12	11	12	12	12	6	12	7	4	6	12	6	3	3
145	73.4	42.3	73.4	213.8	12	12	11	12	12	12	6	12	7	4	6	12	5	3	3
150	73.4	43.8	73.4	215.8	12	12	11	12	12	12	6	12	7	4	6	12	5	3	3
155	73.4	45.2	73.4	217.7	12	12	11	12	12	12	6	12	6	4	6	12	5	3	3
160	73.4	46.7	73.4	219.7	12	12	11	12	12	12	6	12	6	4	6	11	5	3	3
165	73.4	48.1	73.4	221.7	12	12	11	12	12	12	6	12	6	4	6	11	5	3	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	-	-

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TYPICAL HORIZONTAL SECTIONS

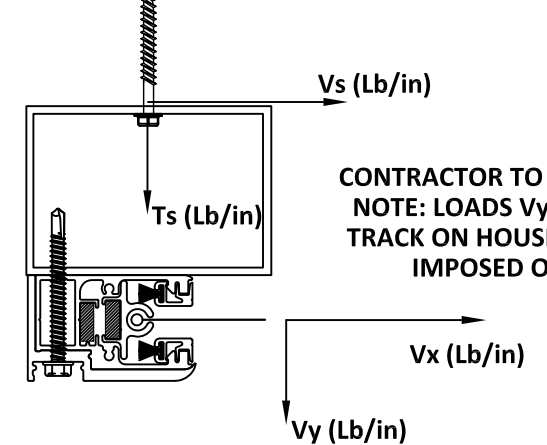
BUILD OUT



NOTE:
BUILD OUT OR BUILD IN
INSTALLATION IS
ACCEPTABLE

A 8 HORIZONTAL SECTION

MOUNT TYPE 2 BUILD-OUT 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.

ANCHOR SCHEDULE:				
Anchor	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" 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" 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 ELCO DRIL-FLEX SELF DRILLING SCREW	MIN. 1/4" 6063-T6 ALUM. A36 3/16" STEEL	1/2" 3/8"	3 THREADS PENETRATION
F	5/16" ELCO ULTRACON	MIN. SG = 0.55 WOOD	1 1/2"	2"
G	1/4" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 1/2"	1 3/4"

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
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	-	
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	-	



7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM

HORIZONTAL SECTIONS & ANCHOR SCHEDULE

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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, P.E.
TEXAS P. E. NO. 118471
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBP RE FIRM NO. 13734

DATE: 01.03.22

DWG. BY: SM	CHK. BY: HFN
SCALE: NTS	
DWG. #: PRG004	
SHEET: 8	OF 29



7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: **MAGNATRACK HURRICANE SYSTEM**
WALL MOUNT & BUILD OUT ANCHOR SPACING

PREPARED BY: **BUILDING DROPS, INC.**
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE

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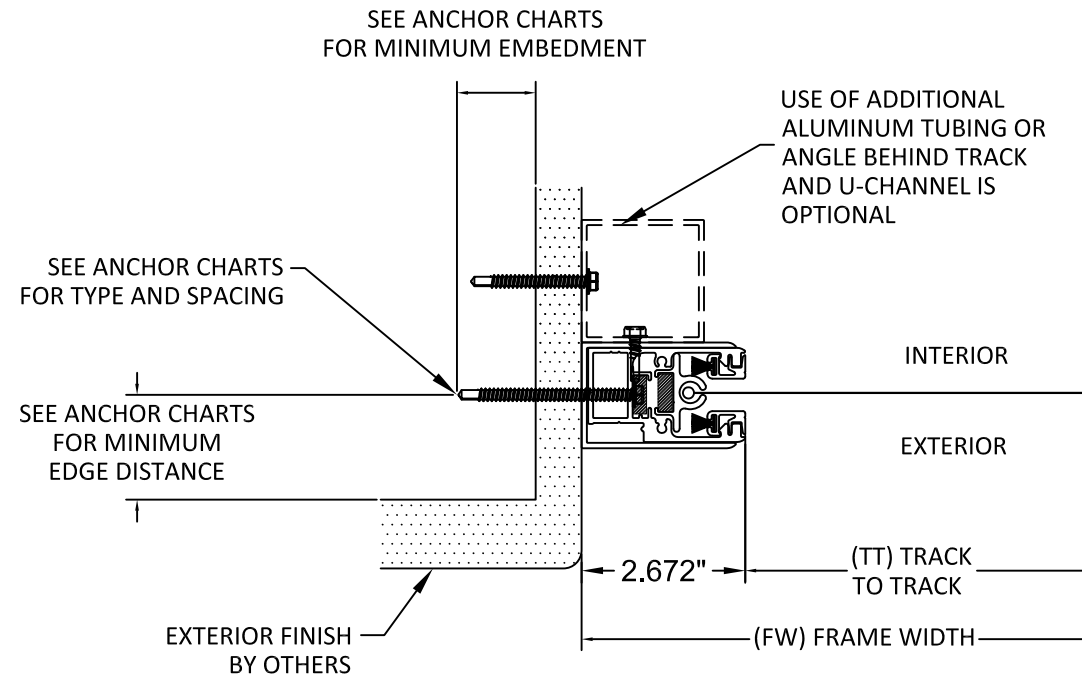
HERMES F. NORERO, P.E.
TEXAS P. E. NO. 118471
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBPRE FIRM NO. 13734

DATE: **01.03.22**
DWG. BY: **SM** CHK. BY: **HFN**
SCALE: **NTS**
DWG. #: **PRG004**
SHEET: **9** OF 29

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	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	-	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	-	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	-	12	5	3	4	8	4	-
	50	98.5	29.2	98.5	262.7	12	12	6	12	12	12	6	12	5	3	4	8	4	-	12	5	3	4	8	4	-
	55	98.5	32.1	98.5	265.7	12	12	6	12	12	12	6	12	5	3	4	8	4	-	12	5	3	4	8	4	-
	60	98.5	35.0	98.5	268.6	12	12	6	12	12	12	6	12	5	3	4	8	4	-	12	5	3	4	8	4	-
	65	98.5	37.9	98.5	272.0	12	12	6	12	12	12	6	12	4	-	4	8	4	-	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	-	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	-	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	-	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	-	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	-	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	-	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	-	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	-	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	-	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	-	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	12	9	5	7	12	7	3
	40	91.6	23.3	91.6	189.8	12	12	7	12	12	12	6	12	9	5	7	12	7	3	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	-	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	-	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	-	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	-	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	-	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	-	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	-	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	-	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	-	12	6	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	-	12	6	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	-	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	-	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	-	12	6	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	-	12	6	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	-	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	-	12	6	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	-	12	6	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	-	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	-	12	6	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	12	7	4	6	12	6	3

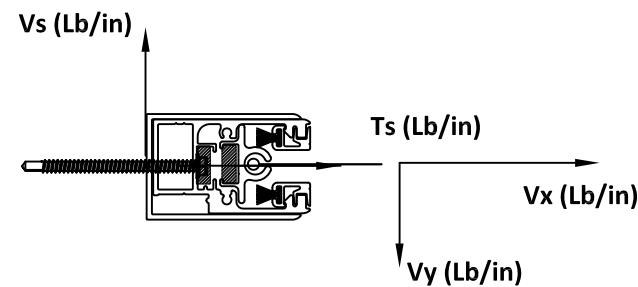
TABLE 3 - ANCHOR SPACING						ANCHOR TYPE & SPACING WALL - MOUNT 1							ANCHOR TYPE & SPACING 2X3, 2X4, 4X4 OR 6X6 BO - MOUNT 2													
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F	G	A	B	C	D	E	F	G	A	B	C	D	E	F	G
120	35	93.2	14.6	93.2	235.4	12	12	7	12	12	12	6	12	6	3	5	10	5	-	12	6	3	5	10	5	-
	40	93.2	16.7	93.2	237.5	12	12	7	12	12	12	6	12	6	3	5	10	5	-	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	-	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	-	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	-	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								

TYPICAL HORIZONTAL SECTIONS INSET MOUNT



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

SEE SHEETS 11 & 12 FOR ANCHOR SPACING TABLES



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.
NOTE: T_s AND V_s VALUES ARE TOTAL LOAD APPLIED BY BOTH SCREWS.

ANCHOR SCHEDULE:				
Anchor	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" 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" 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 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" ELCO ULTRACON	MIN. SG = 0.55 WOOD	1 1/2"	2"
G	1/4" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 1/2"	1 3/4"



7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM
TYP. HORIZONTAL SECTION - INSET MOUNT

PREPARED BY: BUILDING DROPS, INC.
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REMARKS	BY	DATE

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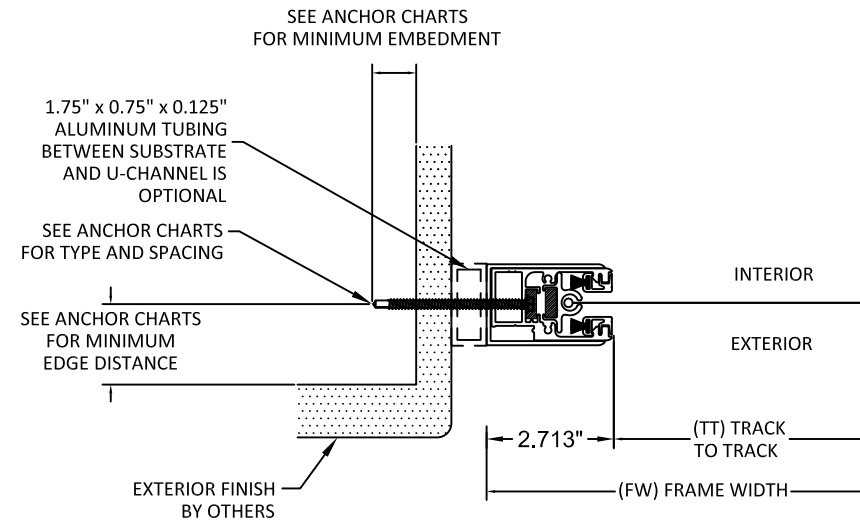


HERMES F. NORERO, P.E.
TEXAS P. E. NO. 118471
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBP RE FIRM NO. 13734

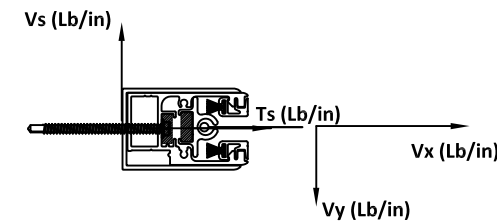
DATE: 01.03.22
DWG. BY: SM
CHK. BY: HFN
SCALE: NTS
DWG. #: PRG004
SHEET: OF 29

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
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	
84	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	

TYPICAL HORIZONTAL SECTIONS INSET MOUNT



A
11
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.



7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM
HORIZONTAL SECTION / ANCHOR SCHEDULE - INSET MOUNT

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
TEXAS P. E. NO. 118471
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBPRE FIRM NO. 13734

DATE:	01.03.22
DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	PRG004
SHEET:	OF 29

TITLE: **MAGNATRACK HURRICANE SYSTEM**
ANCHOR SCHEDULE - INSET MOUNT

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REMARKS BY DATE

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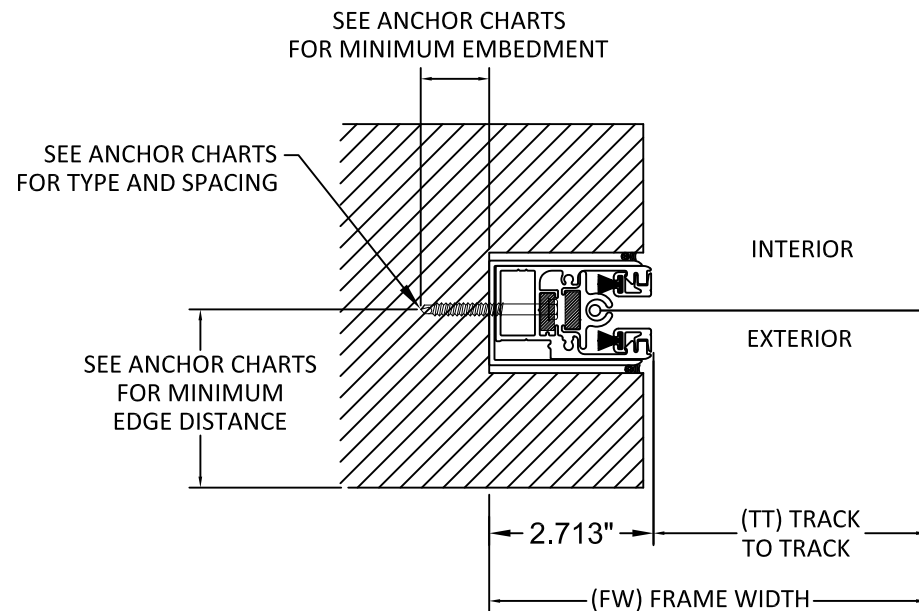
HERMES F. NORERO, P.E.
TEXAS P. E. NO. 118471
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBPRI FIRM NO. 13734

DATE: **01.03.22**
DWG. BY: **SM** CHK. BY: **HFN**
SCALE: **NTS**
DWG. #: **PRG004**
SHEET: **OF 29**

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		
168	35	98.47	20.42	20.42	161.23	12	12	9	12	12	11	6		
	40	98.47	23.33	23.33	170.45	12	12	8	11	12	10	5		
	45	98.47	26.25	26.25	179.67	12	11	7	10	12	9	5		
	50	98.47	29.17	29.17	188.88	12	10	7	9	12	8	4		
	55	98.47	32.08	32.08	198.10	12	9	6	8	12	8	4		
	60	98.47	35.00	35.00	207.31	12	8	6	8	12	7	4		
	65	98.47	37.92	37.92	216.53	12	8	5	7	12	7	3		
	66.7	98.47	38.91	38.91	219.66	12	7	5	7	12	6	3		
	70	98.47	40.83	40.83	225.75	12	7	5	6	12	6	3		
	75	98.47	43.75	43.75	234.96	12	6	4	6	12	6	3		
	80	98.47	46.67	46.67	244.18	12	6	4	6	12	5	3		
85	98.47	49.58	49.58	253.39	12	6	4	5	12	5	2			
90	98.47	52.50	52.50	262.61	12	5	3	5	11	4	2			
95	98.47	55.42	55.42	271.83	12	5	3	4	10	4	2			
100	98.47	58.33	58.33	281.04	12	5	3	4	10	4	2			
105	98.47	61.25	61.25	290.26	12	4	3	4	9	4	2			
110	98.47	64.17	64.17	299.47	12	4	3	4	9	3	2			
192	35	0.00	23.33	23.33	73.73	12	12	12	12	12	12	6		
	40	11.45	26.67	26.67	95.51	12	12	12	12	12	12	6		
	45	20.36	30.00	30.00	114.80	12	12	12	12	12	12	6		
	50	27.49	33.33	33.33	132.33	12	12	11	12	12	12	6		
	55	33.32	36.67	36.67	148.59	12	12	9	12	12	12	6		
	60	38.18	40.00	40.00	163.90	12	12	8	11	12	10	5		
	65	42.30	43.33	43.33	178.47	12	10	7	9	12	9	4		
	66.7	43.55	44.47	44.47	183.28	12	10	6	9	12	8	4		
	70	45.82	46.67	46.67	192.46	12	9	6	8	12	8	4		
	75	48.87	50.00	50.00	205.99	12	8	5	7	12	7	3		
	80	51.55	53.33	53.33	219.15	12	7	4	6	12	6	3		
85	53.91	56.67	56.67	232.00	12	6	4	6	12	5	3			
216	35	0.00	26.25	26.25	82.94	12	12	12	12	12	12	6		
	40	9.80	30.00	30.00	104.42	12	12	12	12	12	12	6		
	45	17.42	33.75	33.75	123.76	12	12	12	12	12	12	6		
	50	23.52	37.50	37.50	141.60	12	12	9	12	12	12	6		
	55	28.51	41.25	41.25	158.35	12	12	8	11	12	11	5		
	60	32.67	45.00	45.00	174.28	12	11	7	10	12	9	5		
	65	36.19	48.75	48.75	189.59	12	9	6	8	12	8	4		
	66.7	37.27	50.03	50.03	194.67	12	9	5	8	12	7	4		
	70	39.54	52.50	52.50	205.99	12	8	4	7	12	6	3		
	75	41.81	55.00	55.00	219.15	12	7	3	6	12	5	3		
	80	44.08	57.50	57.50	232.00	12	6	2	5	12	4	2		
240	35	0.00	29.17	29.17	92.16	12	12	12	12	12	12	6		
	40	10.40	33.33	33.33	115.54	12	12	12	12	12	12	6		
	45	18.49	37.50	37.50	136.66	12	12	10	12	12	12	6		
	50	24.96	41.67	41.67	156.18	12	12	8	11	12	11	6		
	55	30.26	45.83	45.83	174.55	12	11	7	9	12	9	5		
	60	34.67	50.00	50.00	192.05	12	9	6	8	12	8	4		
	264	35	12.27	32.08	32.08	113.43	12	12	12	12	12	12	6	
		40	21.48	36.67	36.67	136.96	12	12	10	12	12	12	6	
		45	28.64	41.25	41.25	158.47	12	12	8	11	12	11	5	
		50	34.37	45.83	45.83	178.58	12	10	6	9	12	9	4	
		300	35	9.48	32.08	32.08	110.69	12	12	12	12	12	12	6
40			16.60	36.67	36.67	132.16	12	12	10	12	12	12	6	
45			22.13	41.25	41.25	152.08	12	12	8	12	12	11	6	
320			35	8.10	32.08	32.08	109.33	12	12	12	12	12	12	6
			40	14.17	36.67	36.67	129.78	12	12	11	12	12	12	6
360		35	12.62	43.75	43.75	150.64	12	12	8	12	12	11	6	

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	6
	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	

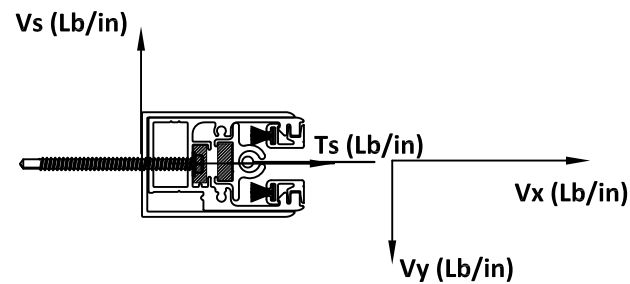
TYPICAL HORIZONTAL SECTIONS RECESSED MOUNT



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" 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" 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 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" ELCO ULTRACON	MIN. SG = 0.55 WOOD	1 1/2"	2"
G	1/4" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 1/2"	1 3/4"



7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM
HORIZONTAL SECTION / ANCHOR
SCHEDULE - RECESSED MOUNT

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
TEXAS P. E. NO. 118471
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBPRE FIRM NO. 13734

DATE: **01.03.22**

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

SCALE: **NTS**

DWG. #: **PRG004**

SHEET: OF 29

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7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM
HORIZONTAL SECTION / ANCHOR SCHEDULE - RECESSED MOUNT

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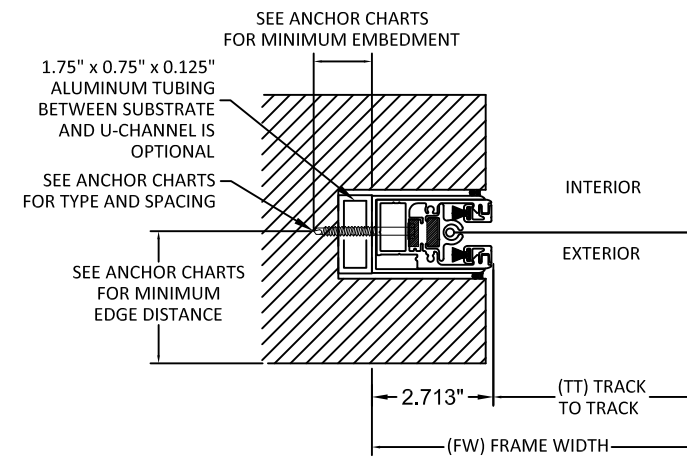
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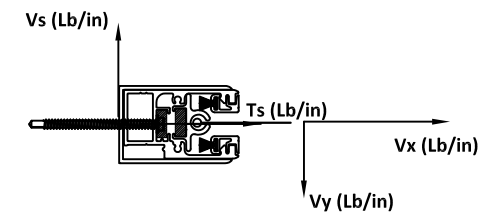
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398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBPRE FIRM NO. 13734

DATE:	01.03.22
DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	PRG004
SHEET:	OF 29

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.

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
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	
84	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	

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7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: **MAGNATRACK HURRICANE SYSTEM**
ANCHOR SCHEDULE - RECESSED MOUNT

PREPARED BY: **BUILDING DROPS, INC.**
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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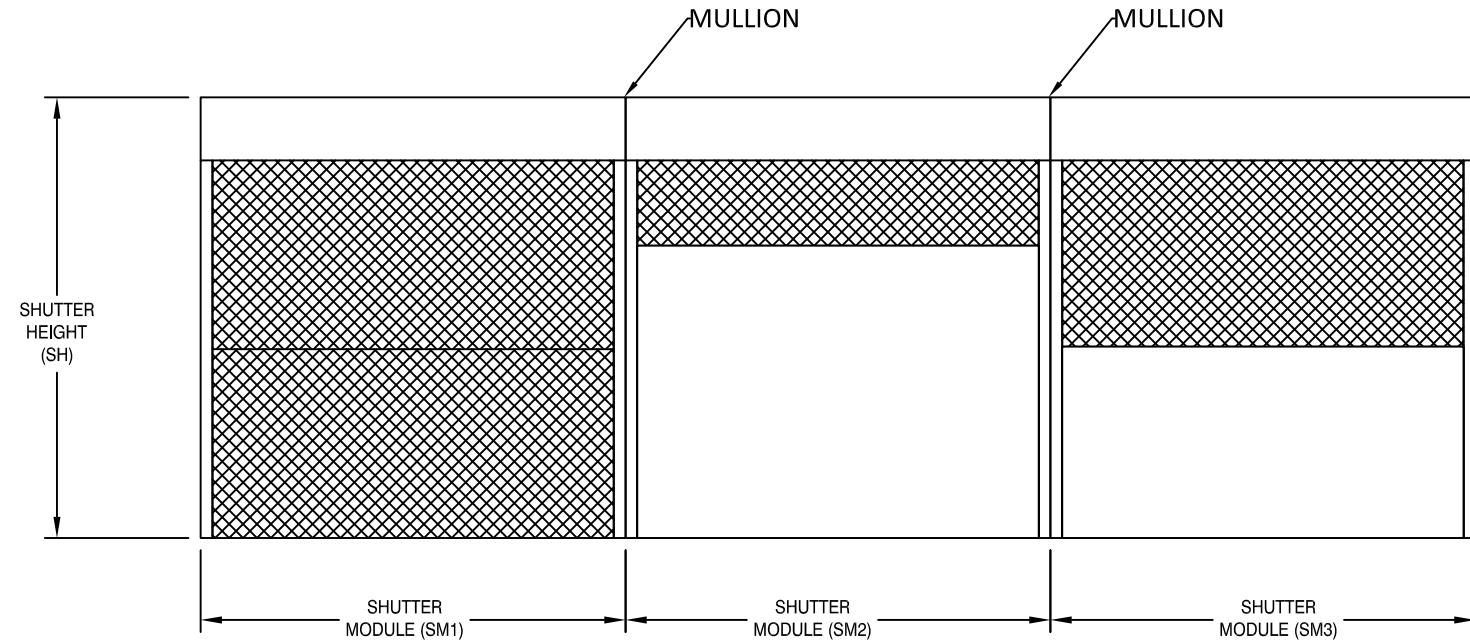
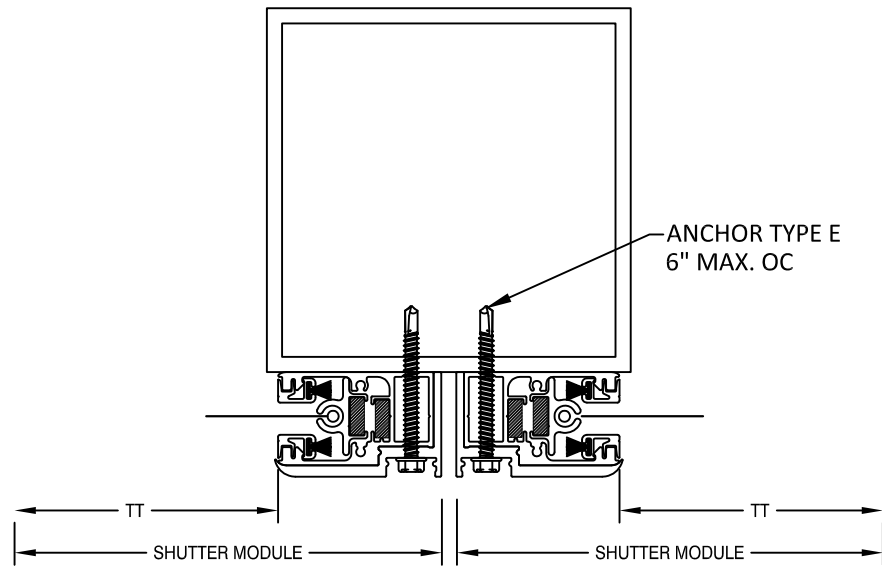
HERMES F. NORERO, P.E.
TEXAS P. E. NO. 118471
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBPB FIRM NO. 13734

DATE: **01.03.22**
DWG. BY: **SM** CHK. BY: **HFN**
SCALE: **NTS**
DWG. #: **PRG004**
SHEET: OF 29

TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING RECESSED MOUNT - MOUNT 4						
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F	G
168	35	98.47	20.42	20.42	150.46	12	12	10	12	12	12	6
	40	98.47	23.33	23.33	157.89	12	12	9	12	12	12	6
	45	98.47	26.25	26.25	165.31	12	12	9	11	12	11	6
	50	98.47	29.17	29.17	172.74	12	11	8	10	12	10	5
	55	98.47	32.08	32.08	180.17	12	10	7	10	12	9	5
	60	98.47	35.00	35.00	187.59	12	10	7	9	12	8	4
	65	98.47	37.92	37.92	195.02	12	9	6	8	12	8	4
	66.7	98.47	38.91	38.91	197.55	12	9	6	8	12	8	4
	70	98.47	40.83	40.83	202.45	12	8	6	8	12	7	4
	75	98.47	43.75	43.75	209.88	12	8	5	7	12	7	3
	80	98.47	46.67	46.67	217.30	12	7	5	7	12	6	3
	85	98.47	49.58	49.58	224.73	12	7	4	6	12	6	3
	90	98.47	52.50	52.50	232.16	12	6	4	6	12	6	3
	95	98.47	55.42	55.42	239.58	12	6	4	6	12	5	3
	100	98.47	58.33	58.33	247.01	12	6	4	5	12	5	2
105	98.47	61.25	61.25	254.44	12	5	3	5	11	5	2	
110	98.47	64.17	64.17	261.87	12	5	3	5	10	4	2	
192	35	0.00	23.33	23.33	59.42	12	12	12	12	12	12	6
	40	11.45	26.67	26.67	79.36	12	12	12	12	12	12	6
	45	20.36	30.00	30.00	96.76	12	12	12	12	12	12	6
	50	27.49	33.33	33.33	112.37	12	12	12	12	12	12	6
	55	33.32	36.67	36.67	126.69	12	12	11	12	12	12	6
	60	38.18	40.00	40.00	140.04	12	12	9	12	12	12	6
	65	42.30	43.33	43.33	152.64	12	12	8	12	12	11	6
	66.7	43.55	44.47	44.47	156.78	12	12	8	11	12	11	5
	70	45.82	46.67	46.67	164.65	12	11	7	10	12	10	5
	75	48.87	50.00	50.00	176.20	12	10	6	9	12	9	4
	80	51.55	53.33	53.33	187.36	12	9	6	8	12	8	4
	85	53.91	56.67	56.67	198.20	12	8	5	7	12	7	4
	90	56.27	60.00	60.00	208.76	12	8	5	7	12	7	3
	95	58.63	63.33	63.33	219.12	12	7	4	6	12	6	3
	100	60.99	66.67	66.67	229.48	12	7	4	6	12	5	3
105	63.35	70.00	70.00	239.84	12	6	3	5	11	5	2	
110	65.71	73.33	73.33	250.20	12	6	3	5	10	4	2	
216	35	0.00	26.25	26.25	66.84	12	12	12	12	12	12	6
	40	9.80	30.00	30.00	86.19	12	12	12	12	12	12	6
	45	17.42	33.75	33.75	103.37	12	12	12	12	12	12	6
	50	23.52	37.50	37.50	119.01	12	12	12	12	12	12	6
	55	28.51	41.25	41.25	133.55	12	12	10	12	12	12	6
	60	32.67	45.00	45.00	147.26	12	12	8	12	12	11	6
	65	36.19	48.75	48.75	160.33	12	12	7	11	12	10	5
	66.7	37.27	50.03	50.03	164.65	12	11	7	10	12	9	5
	70	38.35	53.75	53.75	177.72	12	11	6	9	12	8	4
	75	41.41	57.50	57.50	190.79	12	10	5	8	12	7	4
	80	44.47	61.25	61.25	203.86	12	10	4	7	12	6	3
	85	47.53	65.00	65.00	216.93	12	9	3	6	12	5	3
	90	50.59	68.75	68.75	230.00	12	9	3	6	12	4	2
	95	53.65	72.50	72.50	243.07	12	8	2	5	11	4	2
	100	56.71	76.25	76.25	256.14	12	8	2	5	10	3	1
105	59.77	80.00	80.00	269.21	12	7	1	4	11	3	1	
110	62.83	83.75	83.75	282.28	12	7	1	4	10	2	1	
240	35	0.00	29.17	29.17	74.27	12	12	12	12	12	12	6
	40	10.40	33.33	33.33	95.28	12	12	12	12	12	12	6
	45	18.49	37.50	37.50	113.98	12	12	12	12	12	12	6
	50	24.96	41.67	41.67	131.07	12	12	10	12	12	12	6
	55	30.26	45.83	45.83	146.97	12	12	8	12	12	11	6
	60	34.67	50.00	50.00	161.99	12	12	7	10	12	10	5
	65	39.08	54.17	54.17	177.01	12	11	6	9	12	9	4
	70	43.49	58.33	58.33	192.03	12	11	5	8	12	8	4
	75	47.90	62.50	62.50	207.05	12	10	4	7	12	7	3
	80	52.31	66.67	66.67	222.07	12	10	3	6	12	6	3
	85	56.72	70.83	70.83	237.09	12	9	2	5	11	5	2
	90	61.13	75.00	75.00	252.11	12	9	2	5	10	4	2
	95	65.54	79.17	79.17	267.13	12	8	1	4	11	3	1
	100	69.95	83.33	83.33	282.15	12	8	1	4	10	2	1
	105	74.36	87.50	87.50	297.17	12	7	0	3	11	1	1
110	78.77	91.67	91.67	312.19	12	7	0	3	10	0	1	
264	35	12.27	32.08	32.08	93.97	12	12	12	12	12	12	6
	40	21.48	36.67	36.67	114.85	12	12	12	12	12	12	6
	45	28.64	41.25	41.25	133.68	12	12	10	12	12	12	6
	50	34.37	45.83	45.83	151.08	12	12	8	12	12	11	6
	55	39.10	50.42	50.42	168.48	12	11	7	11	12	10	5
	60	43.83	55.00	55.00	185.88	12	11	6	10	12	9	4
	65	48.56	59.58	59.58	203.28	12	10	5	9	12	8	4
	70	53.29	64.17	64.17	220.68	12	10	4	8	12	7	3
	75	58.02	68.75	68.75	238.08	12	9	3	7	12	6	3
	80	62.75	73.33	73.33	255.48	12	9	2	6	12	5	3
	85	67.48	77.92	77.92	272.88	12	8	1	5	11	4	2
	90	72.21	82.50	82.50	290.28	12	8	1	5	10	3	1
	95	76.94	87.08	87.08	307.68	12	7	0	4	11	2	1
	100	81.67	91.67	91.67	325.08	12	7	0	4	10	1	1
	105	86.40	96.25	96.25	342.48	12	6	0	3	11	0	1
110	91.13	100.83	100.83	359.88	12	6	0	3	10	0	1	
300	35	9.48	32.08	32.08	91.18	12	12	12	12	12	12	6
	40	16.60	36.67	36.67	109.97	12	12	12	12	12	12	6
	45	22.13	41.25	41.25	127.17	12	12	10	12	12	12	6
	50	27.66	45.83	45.83	144.37	12	11	9	11	12	11	6
	55	33.19	50.42	50.42	161.57	12	11	8	10	12	10	5
	60	38.72	55.00	55.00	178.77	12	10	7	9	12	9	4
	65	44.25	59.58	59.58	195.97	12	10	6	8	12	8	4
	70	49.78	64.17	64.17	213.17	12	9	5	7	12	7	3
	75	55.31	68.75	68.75	230.37	12	9	4	6	12	6	3
	80	60.84	73.33	73.33	247.57	12	8	3	5	11	5	2
	85	66.37	77.92	77.92	264.77	12	8	2	4	10	4	2
	90	71.90	82.50	82.50	281.97	12	7	1	3	11	3	1
	95	77.43	87.08	87.08	299.17	12	7	1	3	10	2	1
	100	82.96	91.67	91.67	316.37	12	6	0	2	11	1	1
	105	88.49	96.25	96.25	333.57	12	6	0	2	10	0	1
110	94.02	100.83	100.83	350.77	12	5	0	1	11	0	1	
320	35	8.10	32.08	32.08	89.80	12	12	12	12	12	12	6
	40	14.17	36.67	36.67	107.54	12	12	12	12	12	12	6
	45	19.24	41.25	41.25	125.28	12	12	10	12	12	12	6
	50	24.31	45.83	45.83	143.02	12	11	9	11	12	11	6
	55	29.38	50.42	50.42	160.76	12	11	8	10	12	10	5
	60	34.45	55.00	55.00	178.50	12	10	7	9	12	9	4
	65	39.52	59.58	59.58	196.24	12	10	6	8	12	8	4
	70	44.59	64.17	64.17	213.98	12	9	5	7	12	7	3
	75	49.66	68.75	68.75	231.72	12	9	4	6	12	6	3
	80	54.73	73.33	73.33	249.46	12	8	3	5	11	5	2
	85	59.80	77.92	77.92	267.20	12	8	2	4	10	4	2
	90	64.87	82.50	82.50	284.94	12	7	1	3	11	3	1
	95	69.94	87.08	87.08	302.68	12	7	1	3	10	2	1
	100	75.01	91.67	91.67	320.42	12	6	0	2	11		

EQUALLY SPACED MULLIONS SELECTION

FACE MOUNT MULLION



SM1 = SM2 = SM3

TITLE: MAGNATRACK HURRICANE SYSTEM
EQUALLY SPACED MULLIONS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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WEB: www.buildingdrops.com

REMARKS	BY	DATE

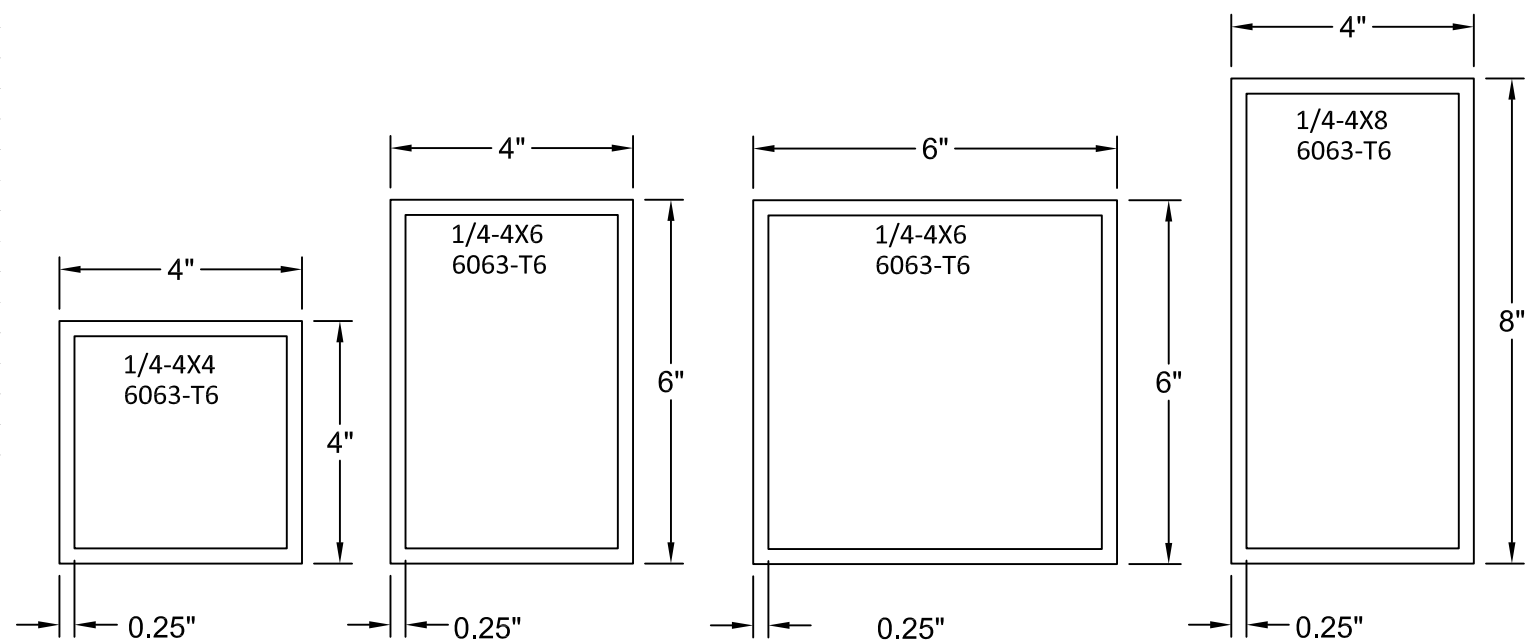
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MAXIMUM MULLION DESIGN PRESSURE (PSF)

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	32	35	N/A	24	35	N/A	N/A	N/A
320	31	40	40	21	36	40	N/A	27	40	N/A	N/A	N/A
300	33	45	45	22	39	45	N/A	28	45	N/A	N/A	21
264	37	50	50	25	44	50	N/A	32	50	N/A	N/A	24
240	41	60	60	28	48	60	20	36	60	N/A	N/A	26
216	46	66	66	31	54	66	23	40	66	N/A	N/A	29
192	52	75	85	35	61	85	26	45	77	N/A	N/A	33
168	59	85	110	40	69	110	29	51	88	N/A	N/A	37
144	69	100	130	47	81	130	34	60	102	N/A	22	44
132	75	109	140	51	88	140	38	65	112	N/A	24	48
120	83	120	155	56	97	155	41	72	123	N/A	27	53
108	92	133	165	62	108	165	46	80	137	N/A	30	58
96	104	150	175	70	122	175	52	90	154	N/A	33	66
84	119	171	185	80	139	185	59	103	176	22	38	75
72	139	200	200	94	162	200	69	120	200	26	45	88

NOTES:

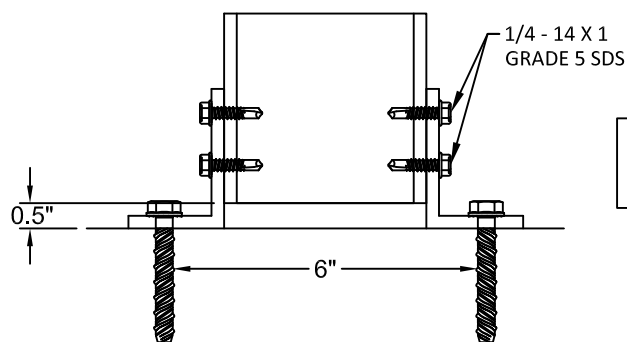
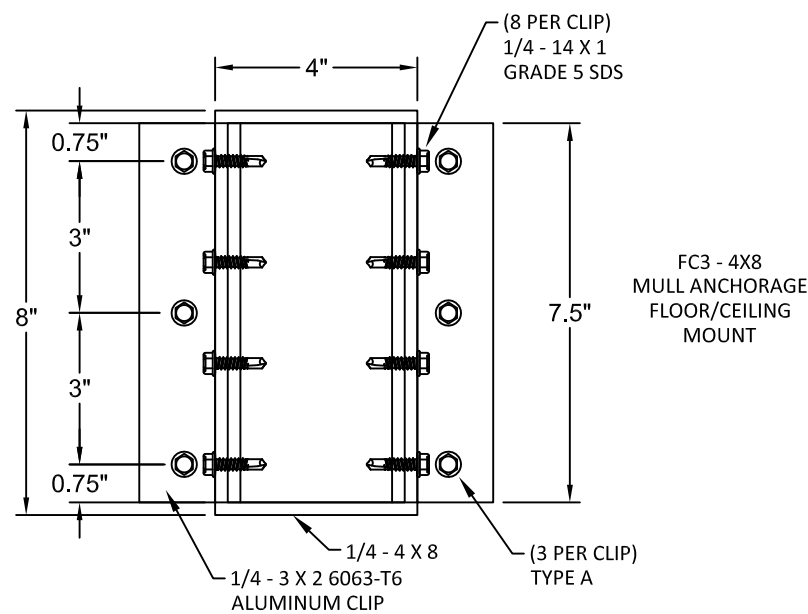
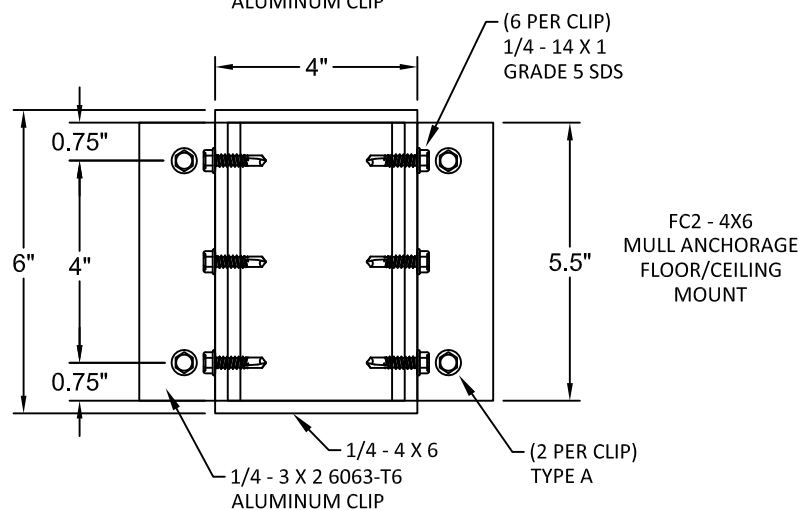
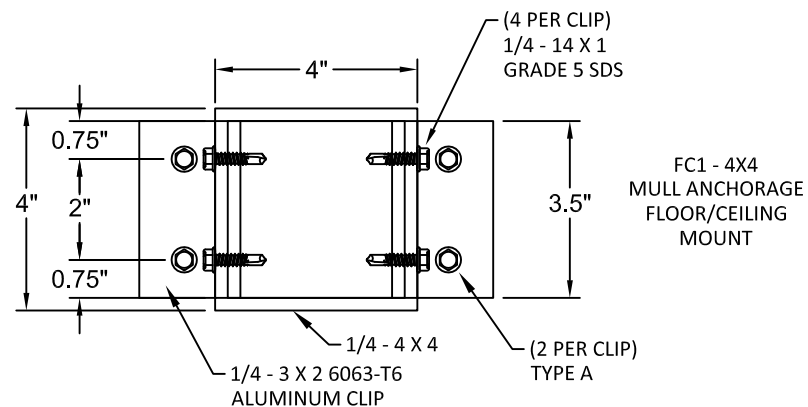
- MULLIONS WERE DESIGNED BY RATIONAL ANALYSIS BASED ON THE ALUMINUM DESIGN MANUAL AND THE INTERNATIONAL BUILDING CODE. ABOVE LOADS ARE ALSO LIMITED BY THE MAX. CAPACITY OF THE PRODUCT.
- DEFLECTION CRITERIA: MAX. SPAN/175
- VALUES ABOVE ARE APPLICABLE ONLY FOR EQUAL MODULES SM1=SM2=SM3
- UNEQUAL MODULES ARE TO BE DESIGNED BY RATIONAL ANALYSIS IN A CASE BY CASE BASIS.



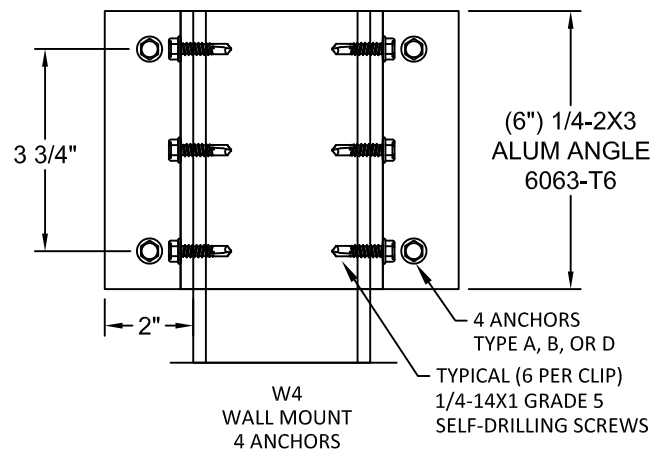
HERMES F. NORERO, P.E.
TEXAS P. E. NO. 118471
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBPRE FIRM NO. 13734

DATE: 01.03.22
DWG. BY: SM
CHK. BY: HFN
SCALE: NTS
DWG. #: PRG004
SHEET: OF 29

EQUALLY SPACED MULLIONS WALL AND INSET CONNECTIONS



NOTE: ANGLE CLIP TO BE PLACED OUTSIDE OR INSIDE TUBE



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

ANCHOR TYPE	MULLION TYPE			
	4X4	4X6	6x6	4X8
A	FC1	FC2	FC3	FC3

ANCHOR SCHEDULE:

ANCHOR	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" 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"



7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM
EQUALLY SPACED MULLION ANCHORS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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REMARKS	BY	DATE

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DANIA BEACH, FL 33004
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DWG. BY: SM

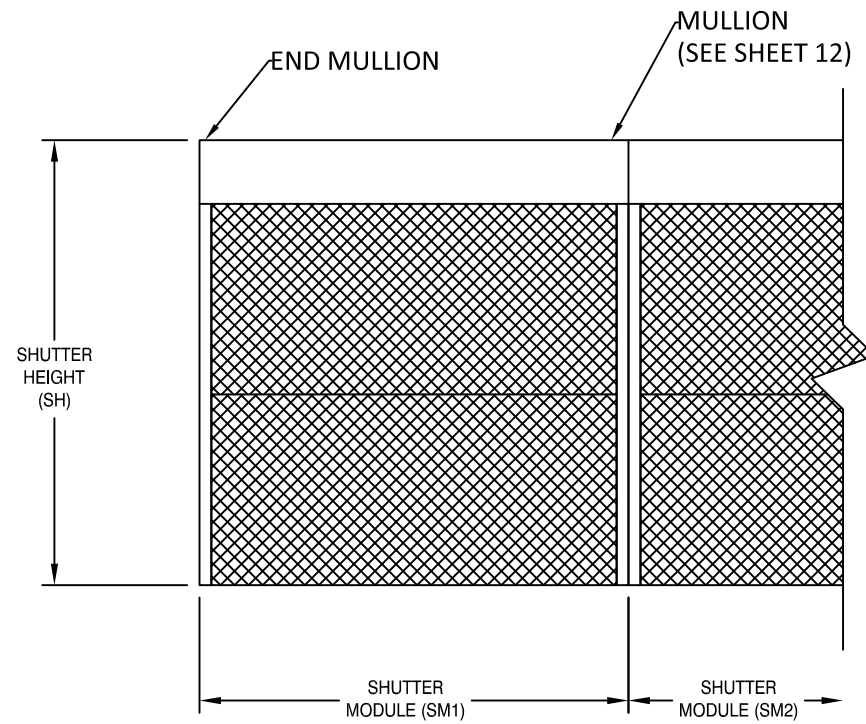
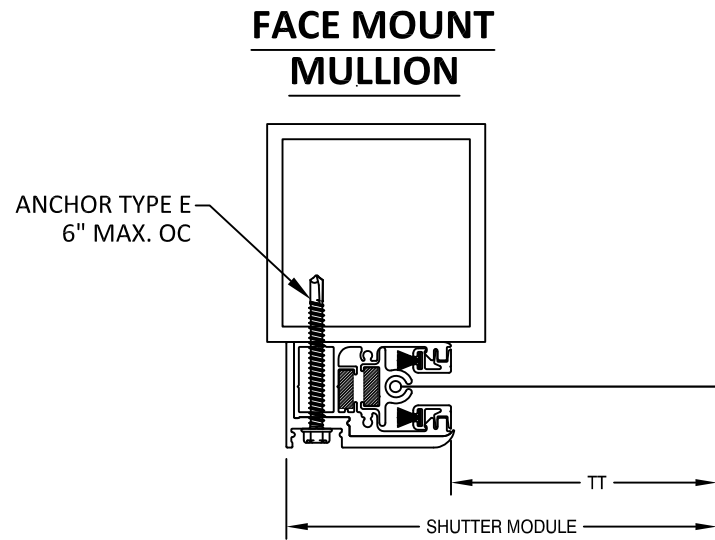
CHK. BY: HFN

SCALE: NTS

DWG. #: PRG004

SHEET: OF 29

END MULLION SELECTION



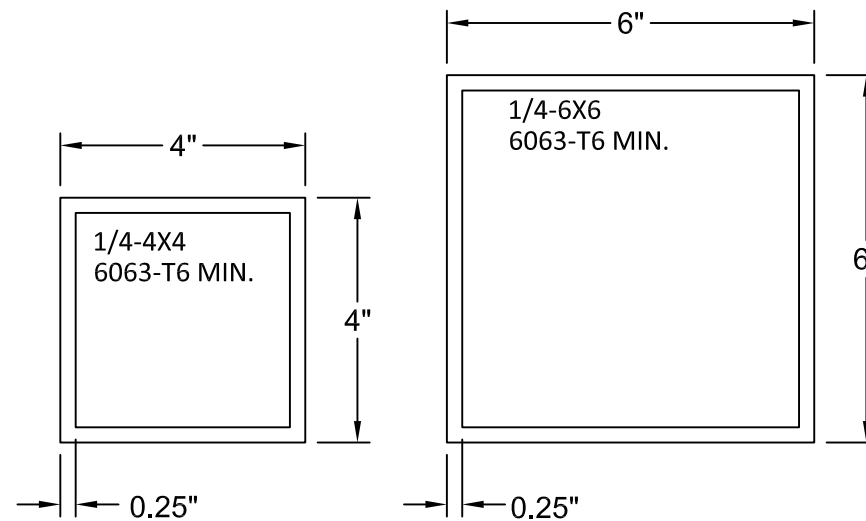
SM1 = SM2

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:

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- VALUES ABOVE ARE APPLICABLE FOR END MULLIONS ONLY



7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM

END MULLION

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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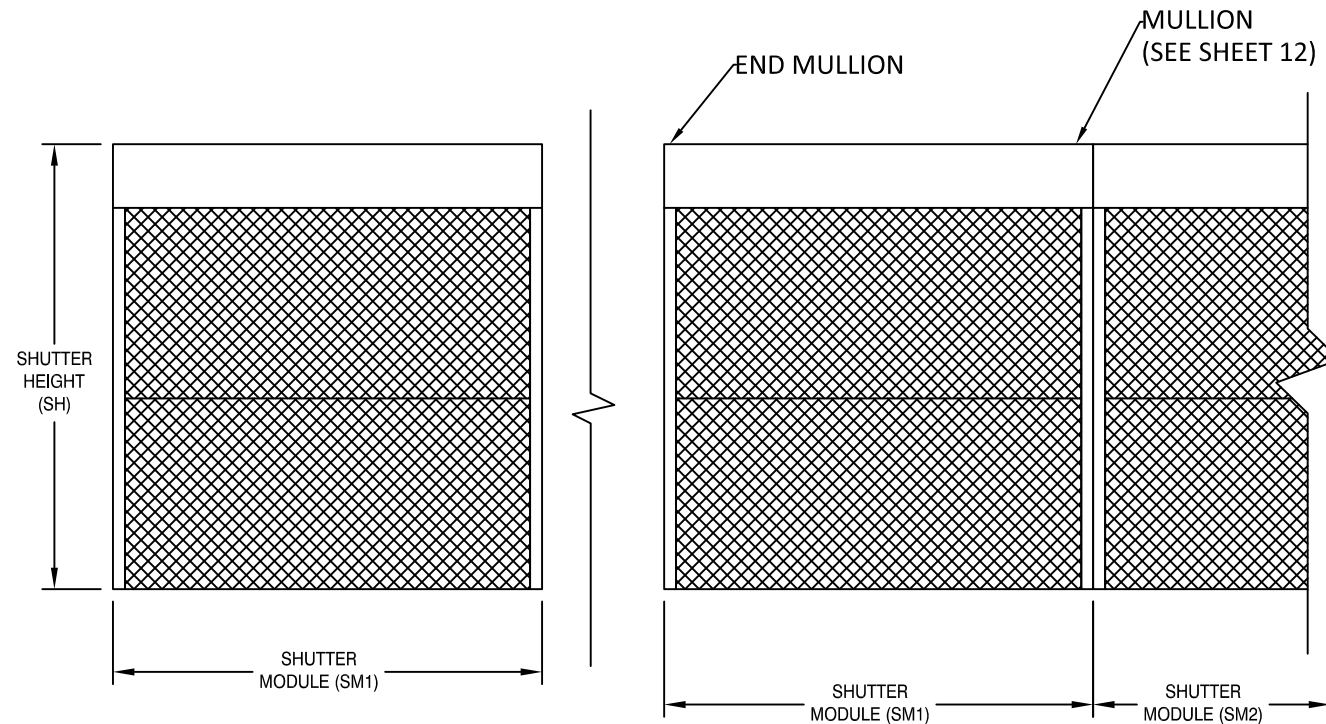
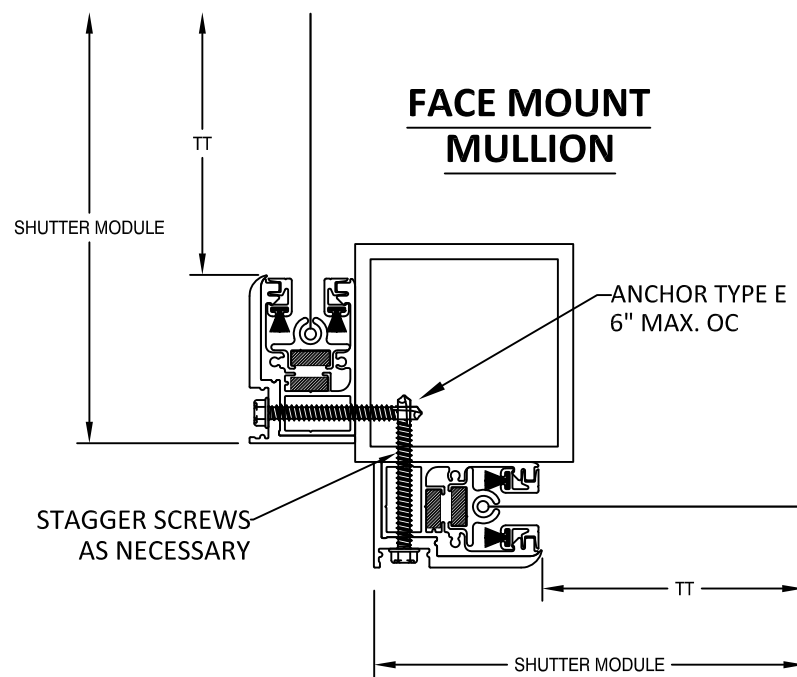
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CORNER MULLION SELECTION



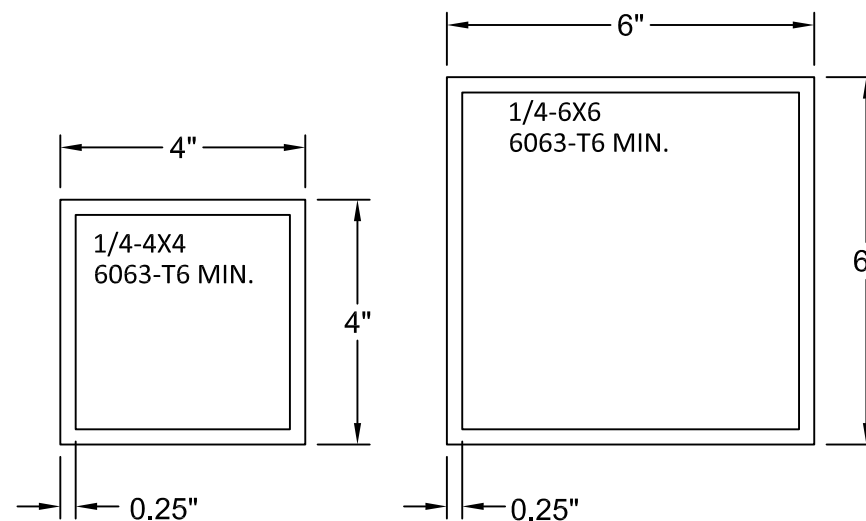
SM1 = SM2 = SM3

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:

- MULLIONS WERE DESIGNED BY RATIONAL ANALYSIS BASED ON THE ALUMINUM DESIGN MANUAL AND THE INTERNATIONAL BUILDING CODE. ABOVE LOADS ARE ALSO LIMITED BY THE MAX. CAPACITY OF THE PRODUCT.
- 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.



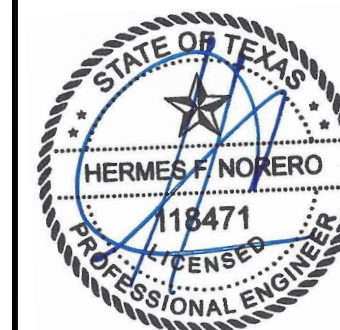
7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM
CORNER MULLION

PREPARED BY: BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
PH: (954)399-8478
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REMARKS	BY	DATE

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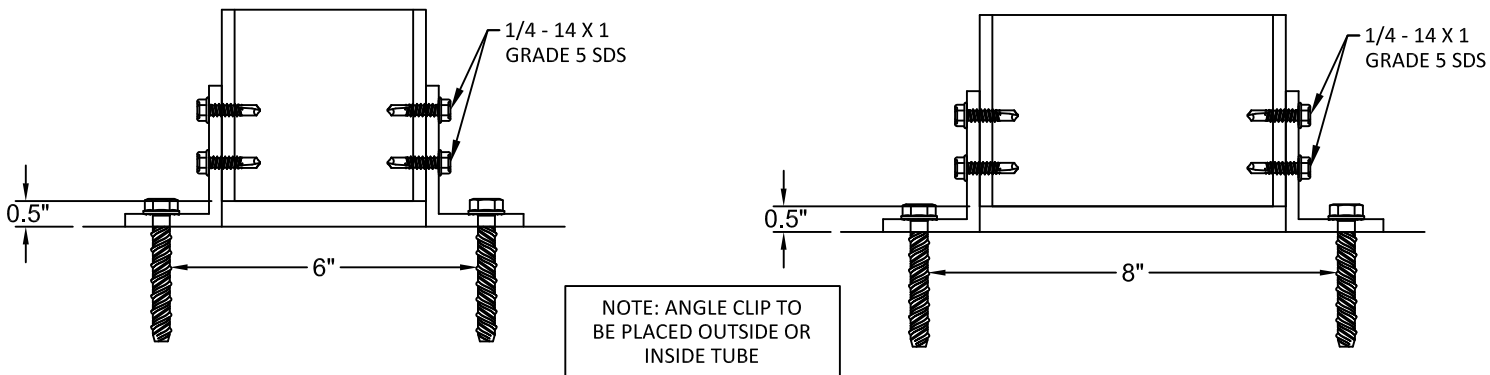
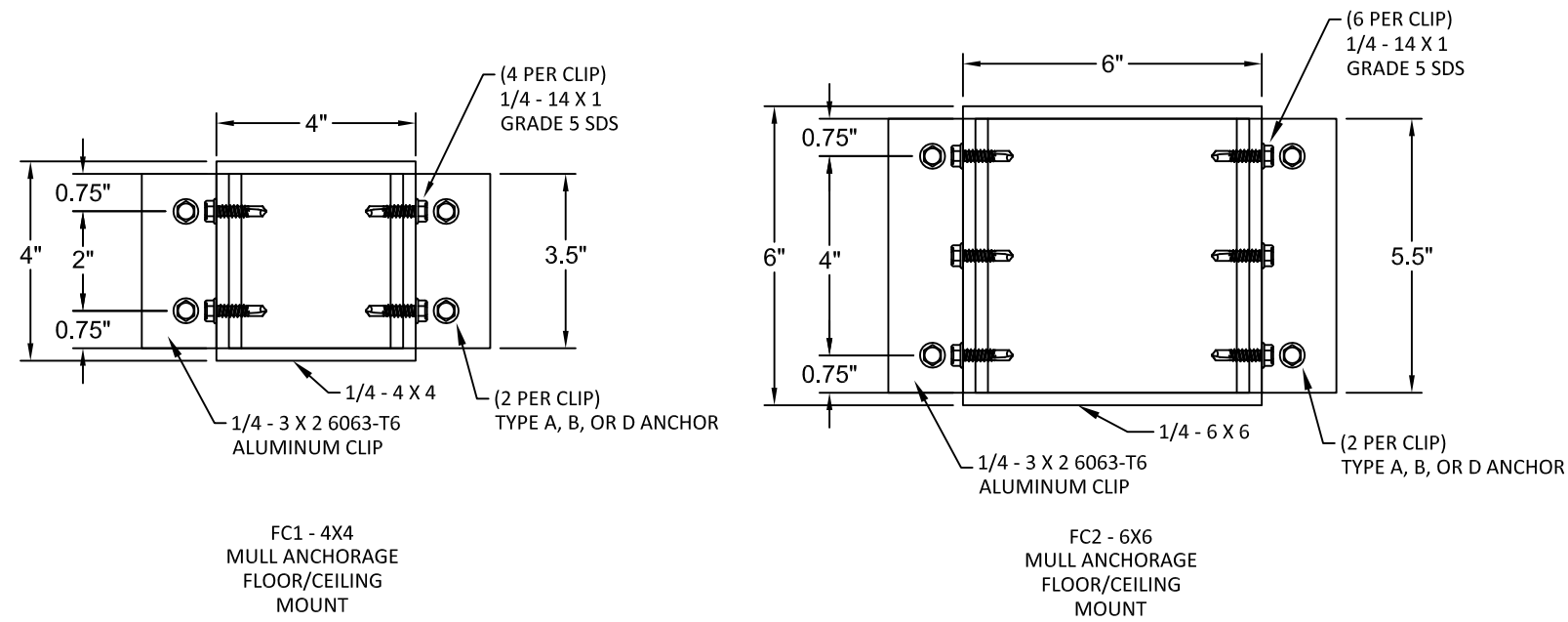
HERMES F. NORERO, P.E.
TEXAS P. E. NO. 118471
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBP RE FIRM NO. 13734

DATE: 01.03.22

DWG. BY: SM	CHK. BY: HFN
SCALE: NTS	
DWG. #: PRG004	

SHEET: OF 29

END MULLION AND CORNER MULLION WALL AND INSET CONNECTIONS

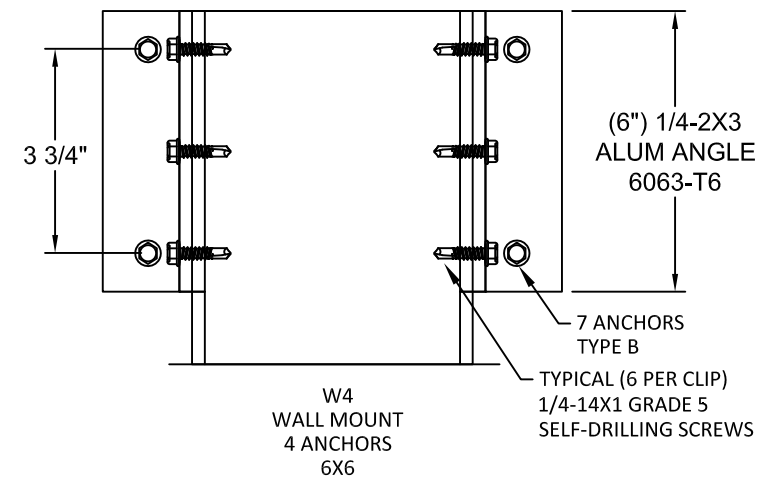
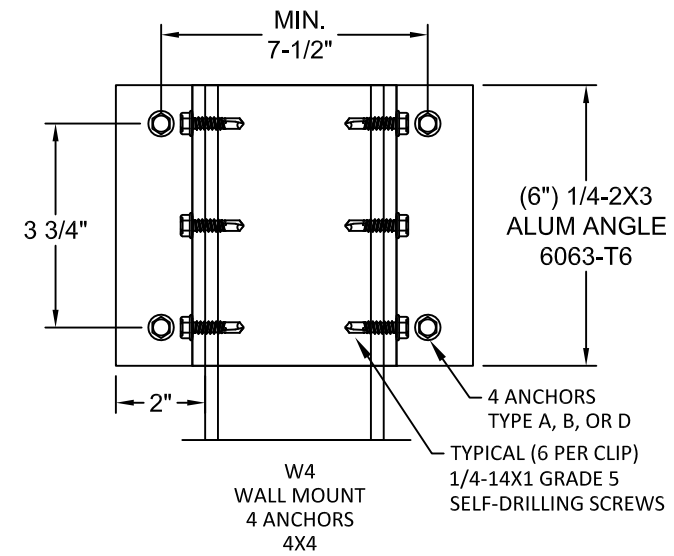


MULL FLOOR/CEILING MOUNT ANCHOR SELECTION				
ANCHOR TYPE	END MULLION TYPE		CORNER MULLION TYPE	
	4X4	6X6	4X4	6X6
A	FC1	FC2	FC1	FC2
B	FC1	FC2	FC1	FC2
D	FC1	FC2	FC1	FC2

ANCHOR SCHEDULE:

ANCHOR	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" 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



7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM
END MULLION / CORNER MULLION CONNECTIONS

PREPARED BY: BUILDING DROPS, INC.
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REMARKS	BY	DATE

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TEXAS P. E. NO. 118471
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398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBPRE FIRM NO. 13734

DATE: 01.03.22

DWG. BY: SM
CHK. BY: HFN

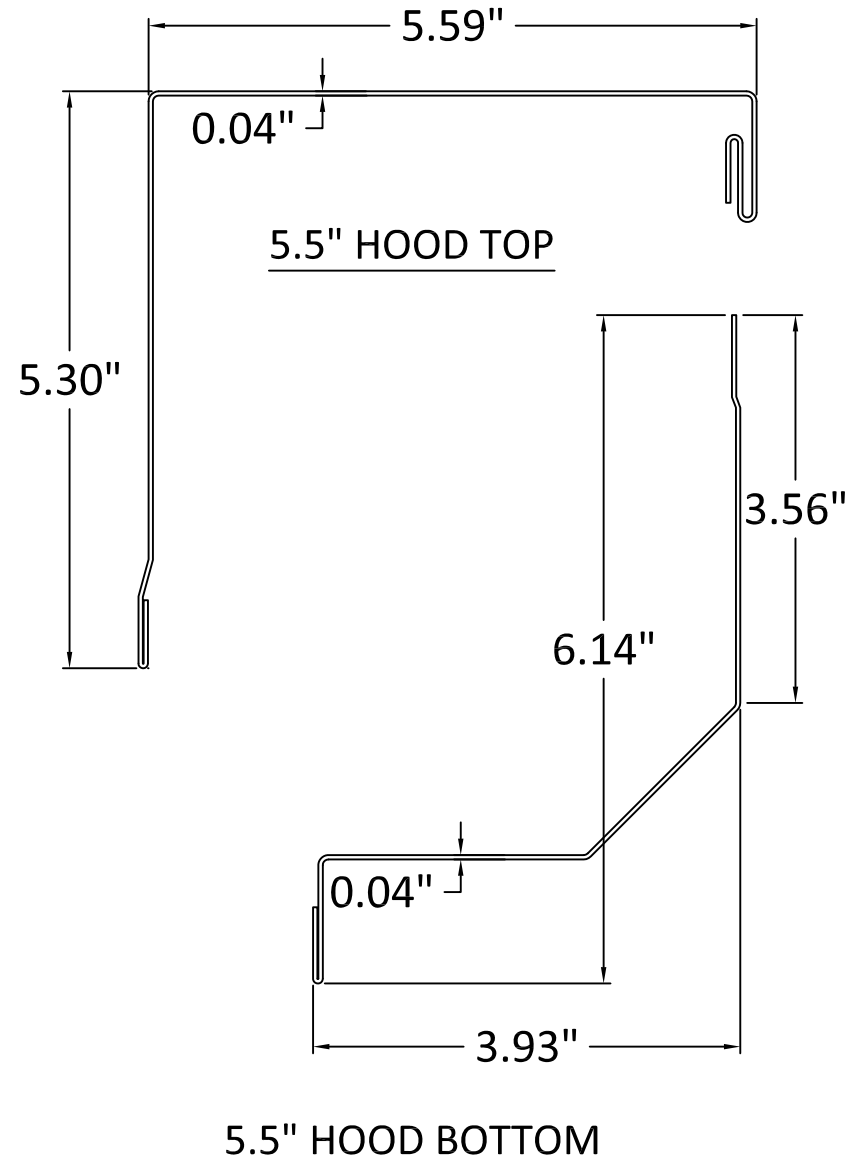
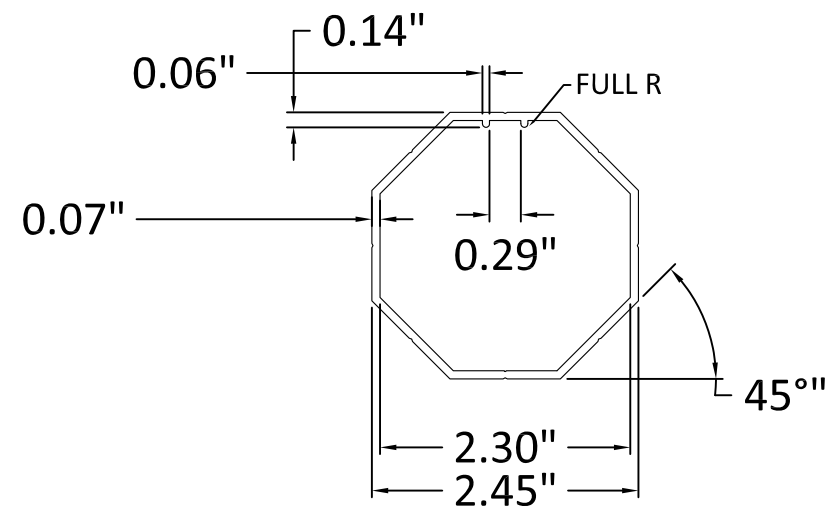
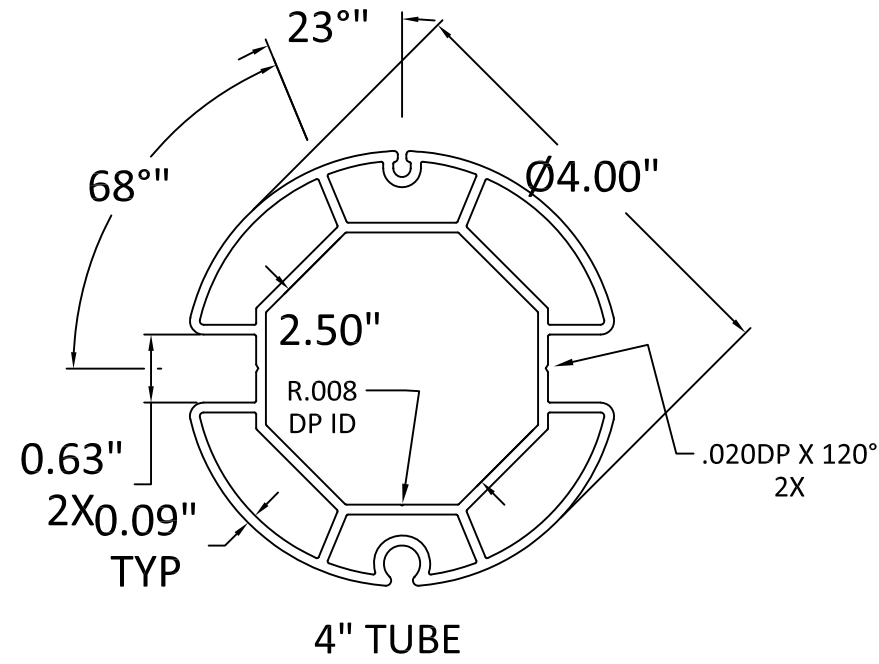
SCALE: NTS

DWG. #: PRG004

SHEET: OF 29

20

4" TUBE AND 5.5" HOOD DETAILS



7839 FRUITVILLE RD
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PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM
4" TUBE & 5.5" HOOD DETAILS

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398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBP RE FIRM NO. 13734

DATE: 01.03.22
DWG. BY: SM CHK. BY: HFN
SCALE: NTS
DWG. #: PRG004
SHEET: OF 29

4" TUBE AND 6" EXTRUDED HOOD DETAILS



7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM
4" TUBE & 6" EXTRUDED HOOD
DETAILS

PREPARED BY:
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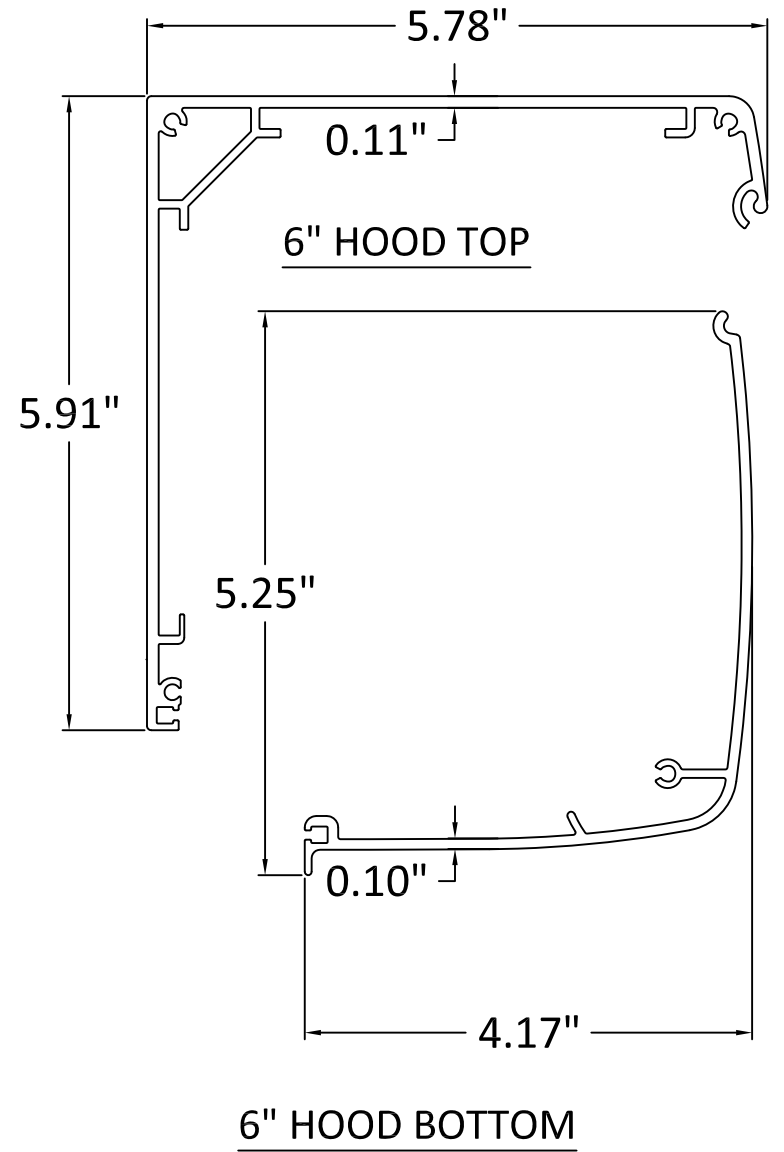
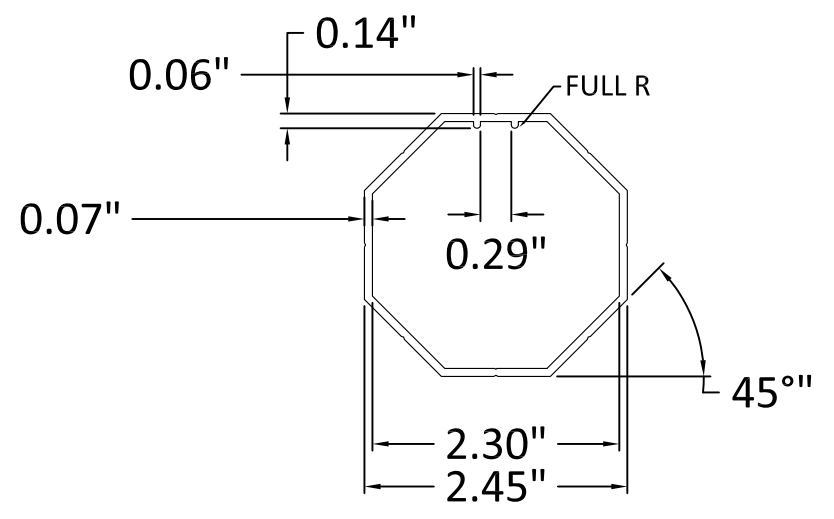
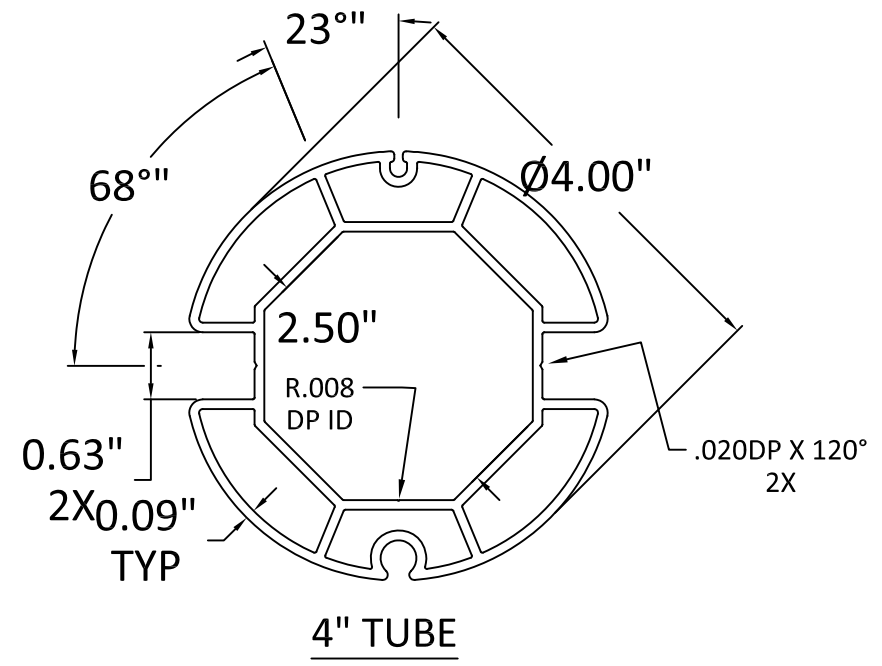
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BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBP RE FIRM NO. 13734

DATE:	01.03.22
DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	PRG004
SHEET:	OF 29

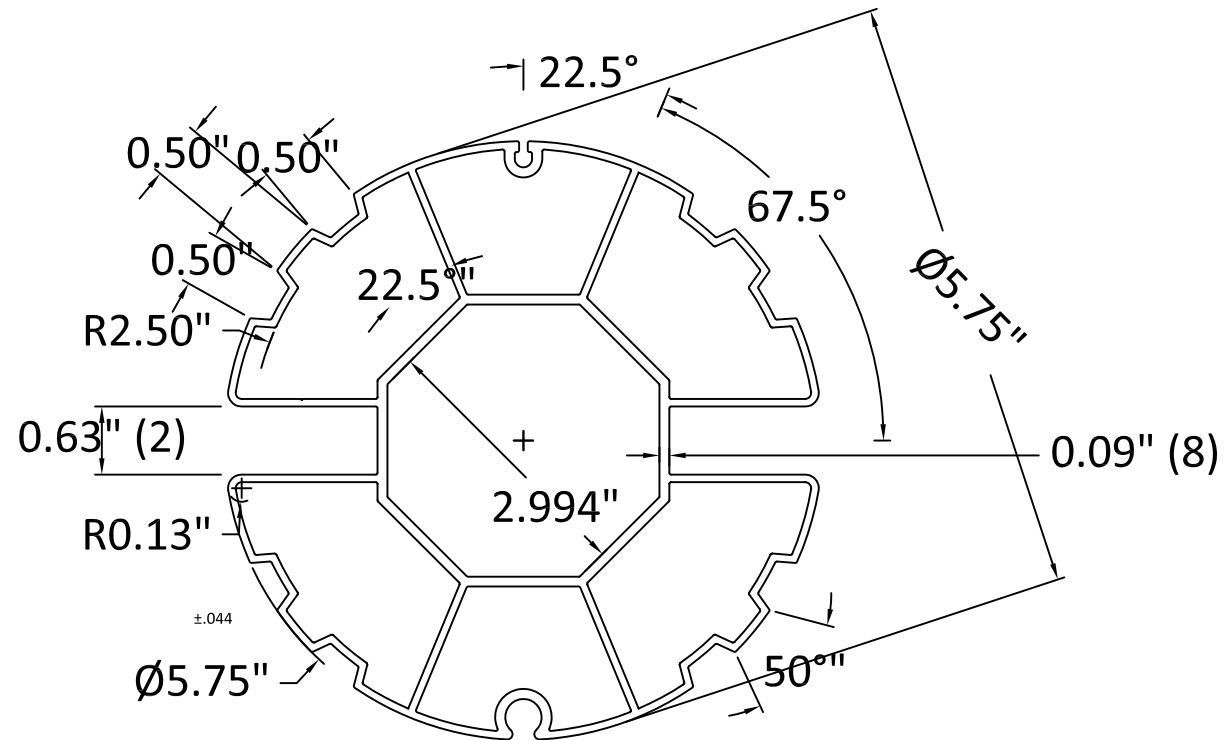


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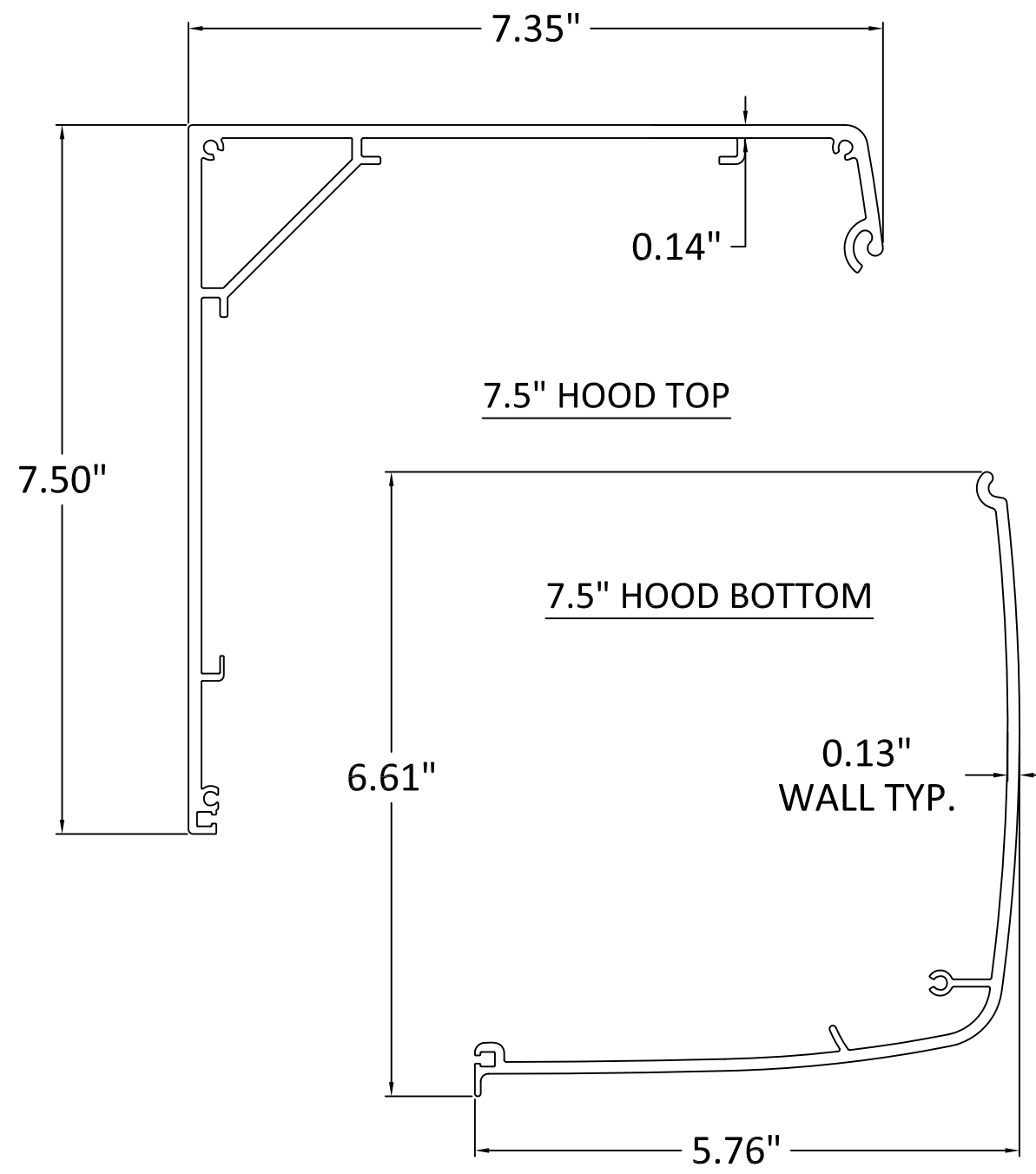
5.75" TUBE AND 7.5" EXTRUDED HOOD DETAILS



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PH: 941-360-0037

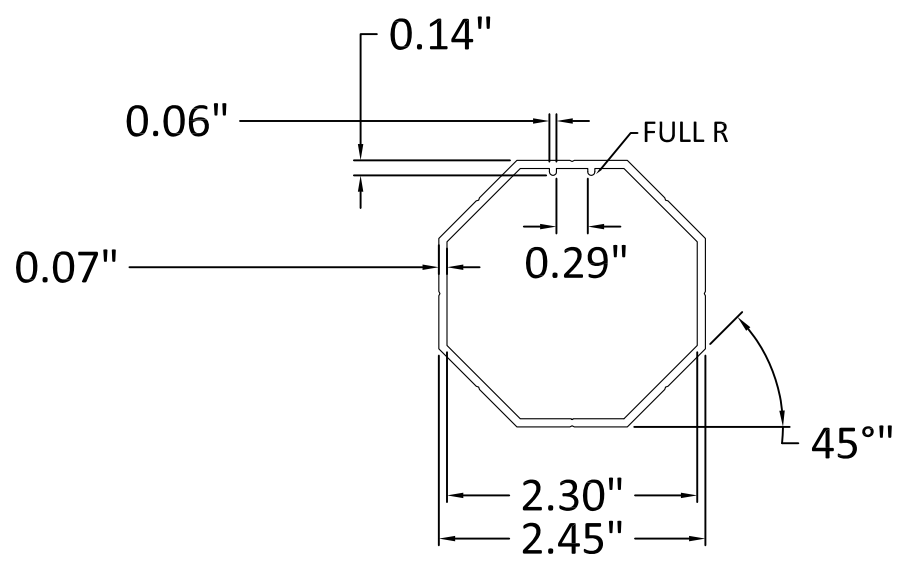


5.75" TUBE



7.5" HOOD TOP

7.5" HOOD BOTTOM



60 MM OCTAGONAL TUBE

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

TITLE: **MAGNATRACK HURRICANE SYSTEM**
5.75" TUBE & 7.5" EXTRUDED HOOD DETAILS

PREPARED BY: **BUILDING DROPS, INC.**
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DANIA BEACH, FL 33004
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FAX: (954)744-4738
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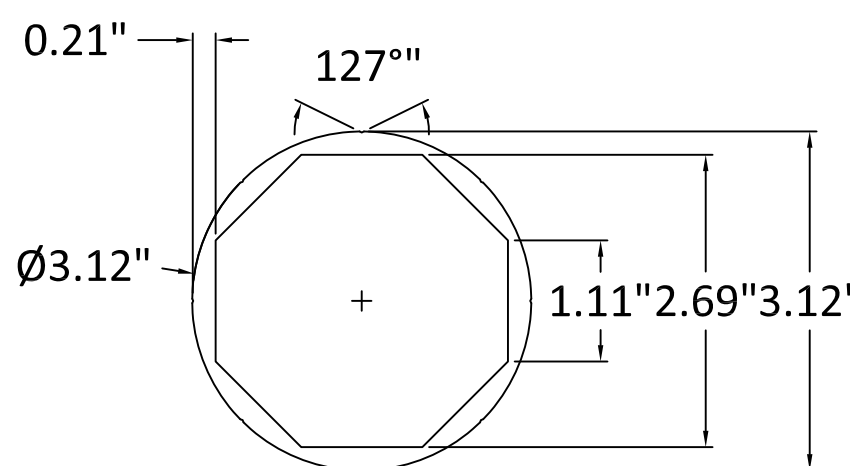
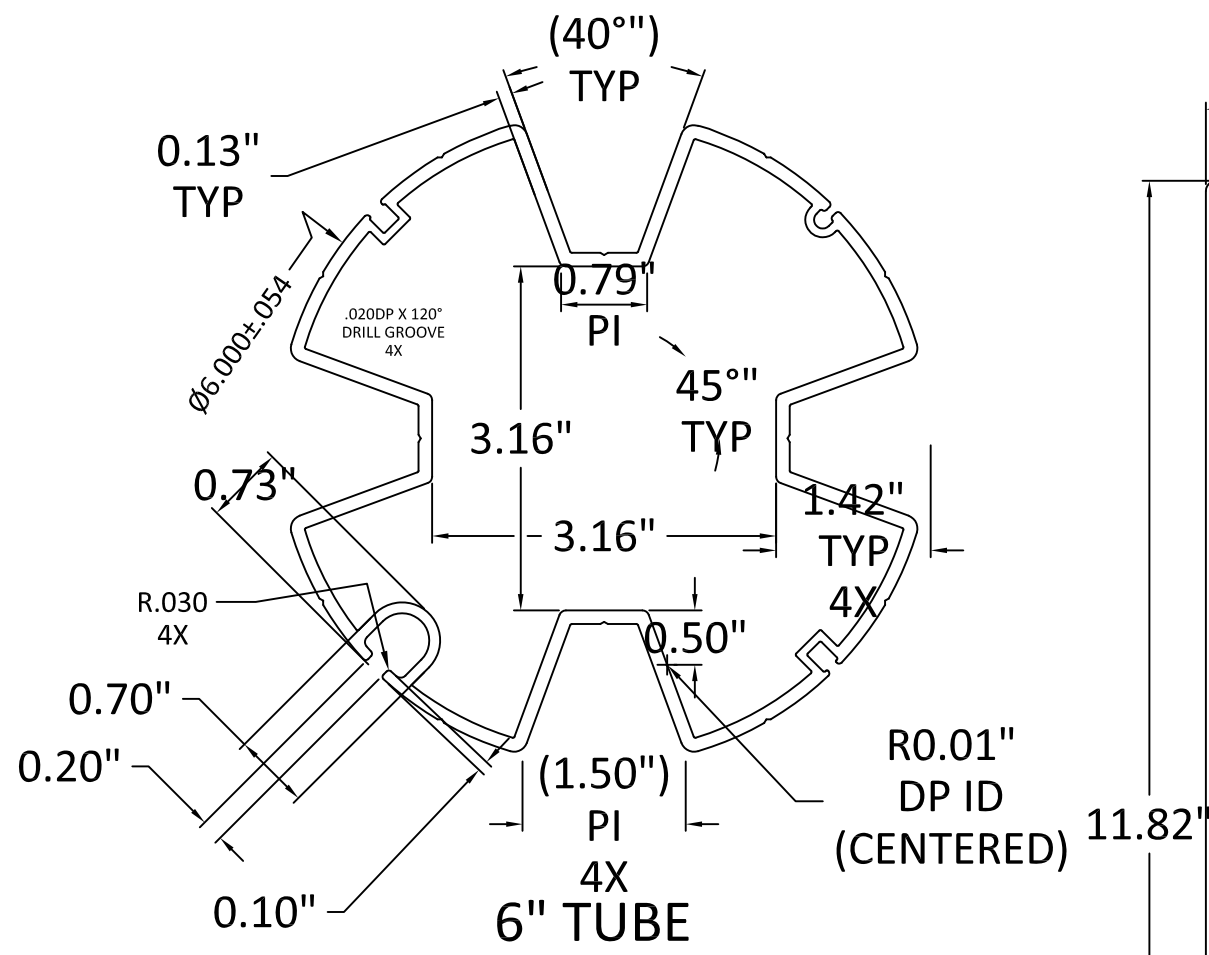


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TEXAS P. E. NO. 118471
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398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBPRES FIRM NO. 13734

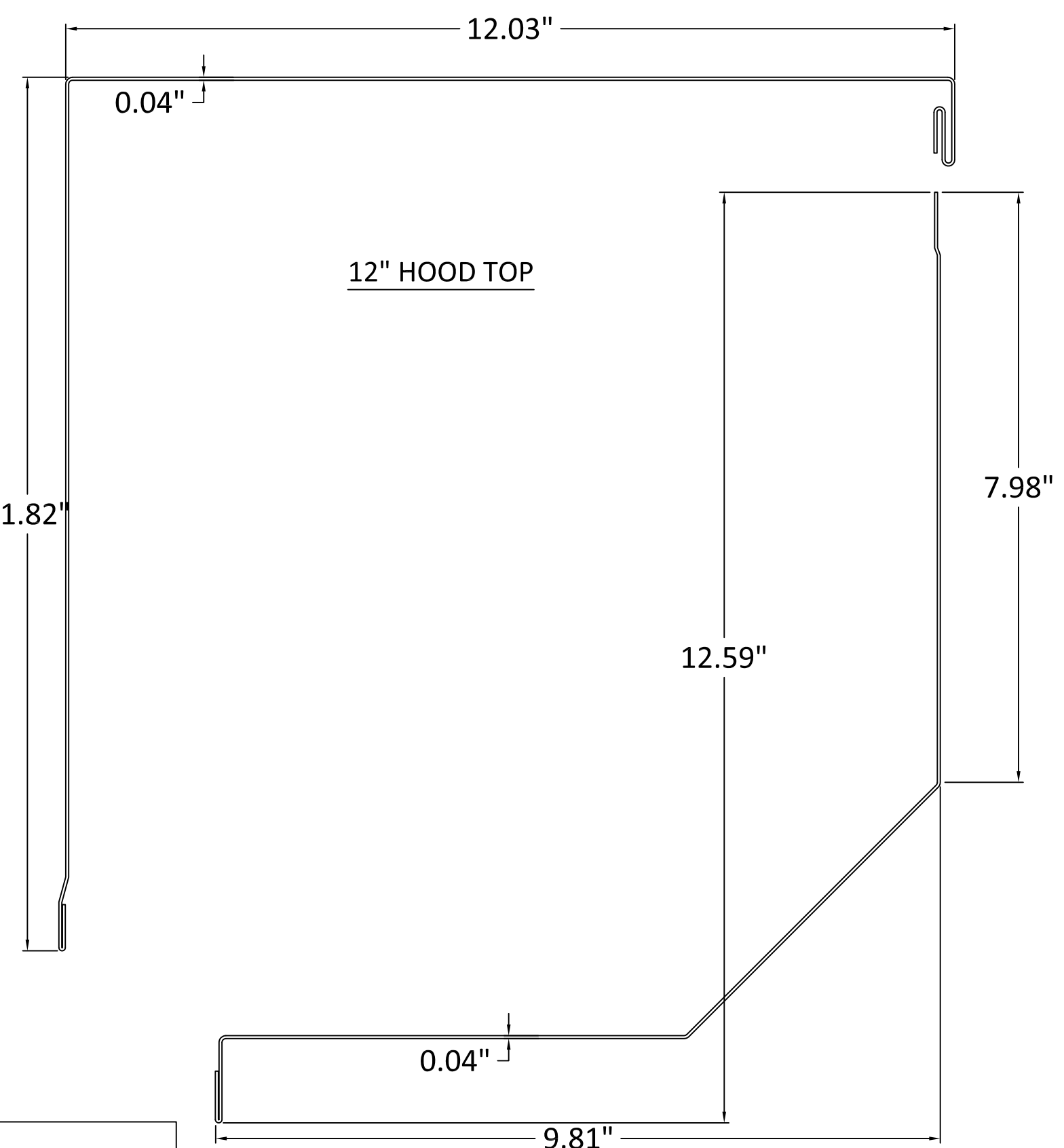
DATE:	01.03.22	
DWG. BY:	SM	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	PRG004	
SHEET:		OF 29

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6" TUBE AND 12" HOOD DETAILS



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



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PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM
6" TUBE & 12" HOOD DETAILS

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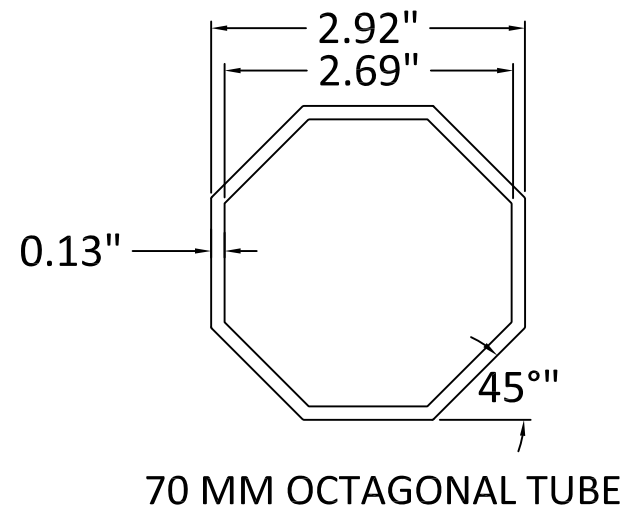
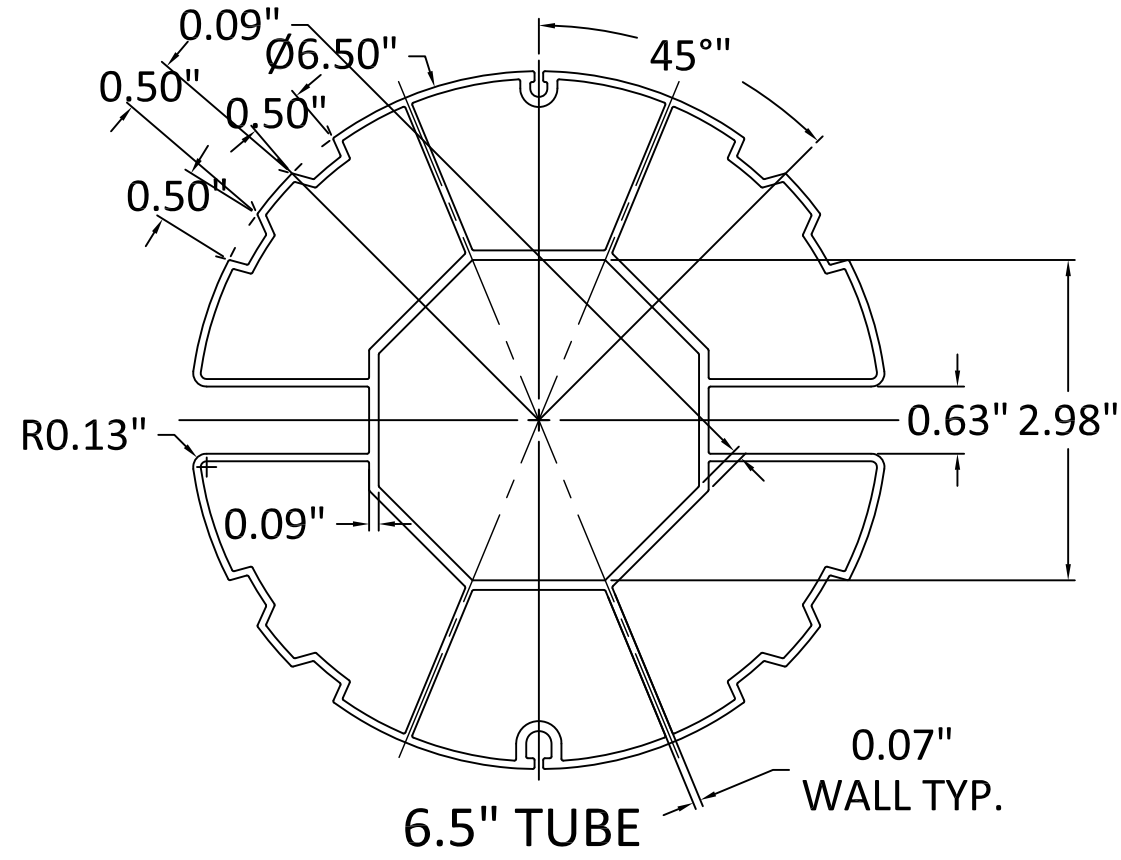


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BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
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TBPRE FIRM NO. 13734

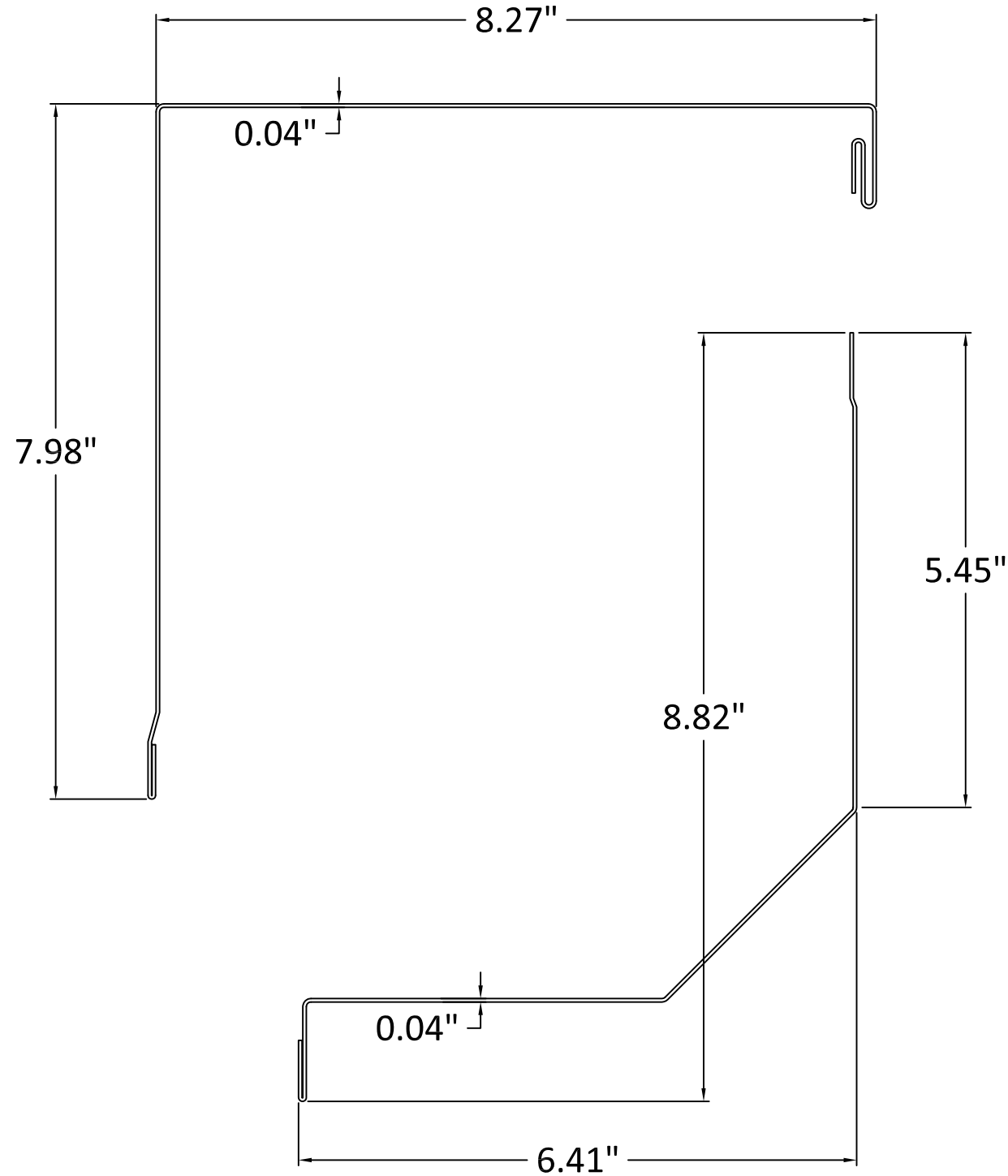
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DWG. BY: SM
CHK. BY: HFN
SCALE: NTS
DWG. #: PRG004
SHEET: OF 29

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6.5" TUBE AND 8" ROLL FORMED HOOD DETAILS



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



7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
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TITLE: MAGNATRACK HURRICANE SYSTEM
6.5" TUBE & 7.5" HOOD DETAILS

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DANIA BEACH, FL 33004
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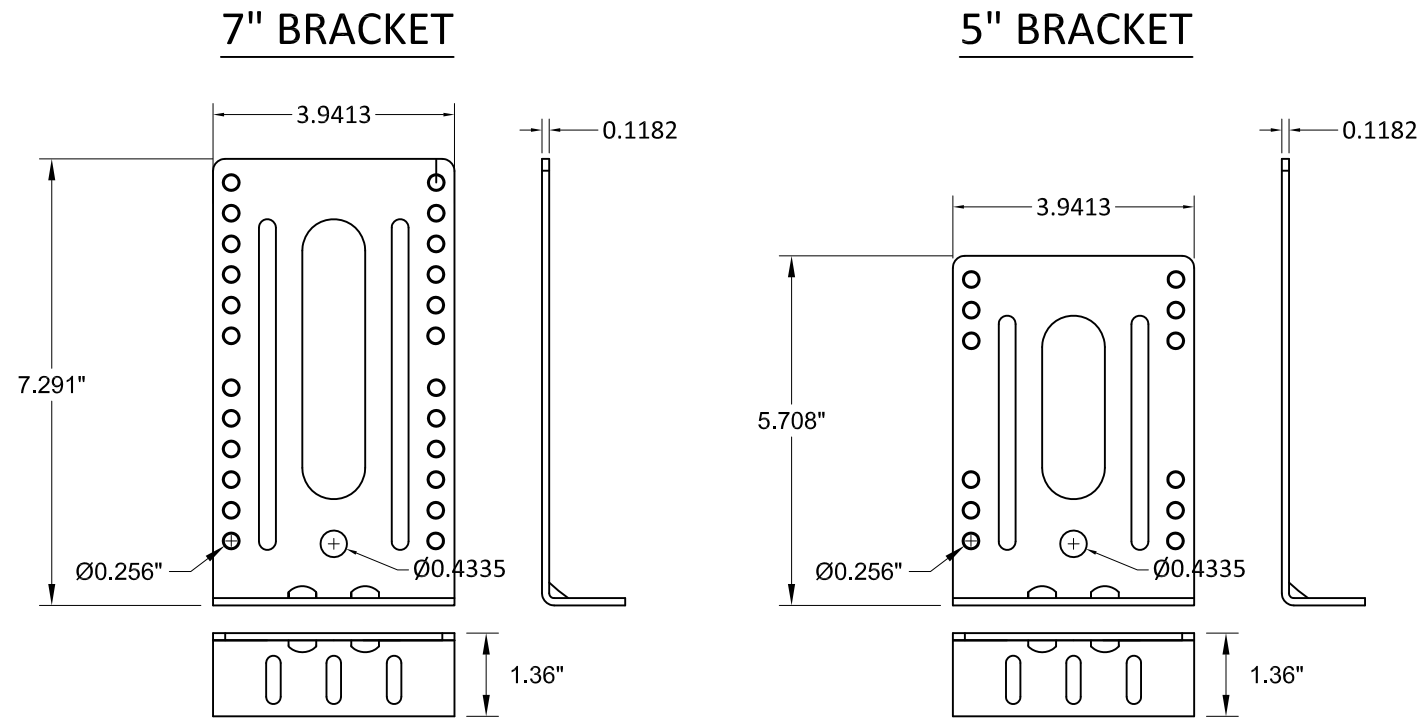
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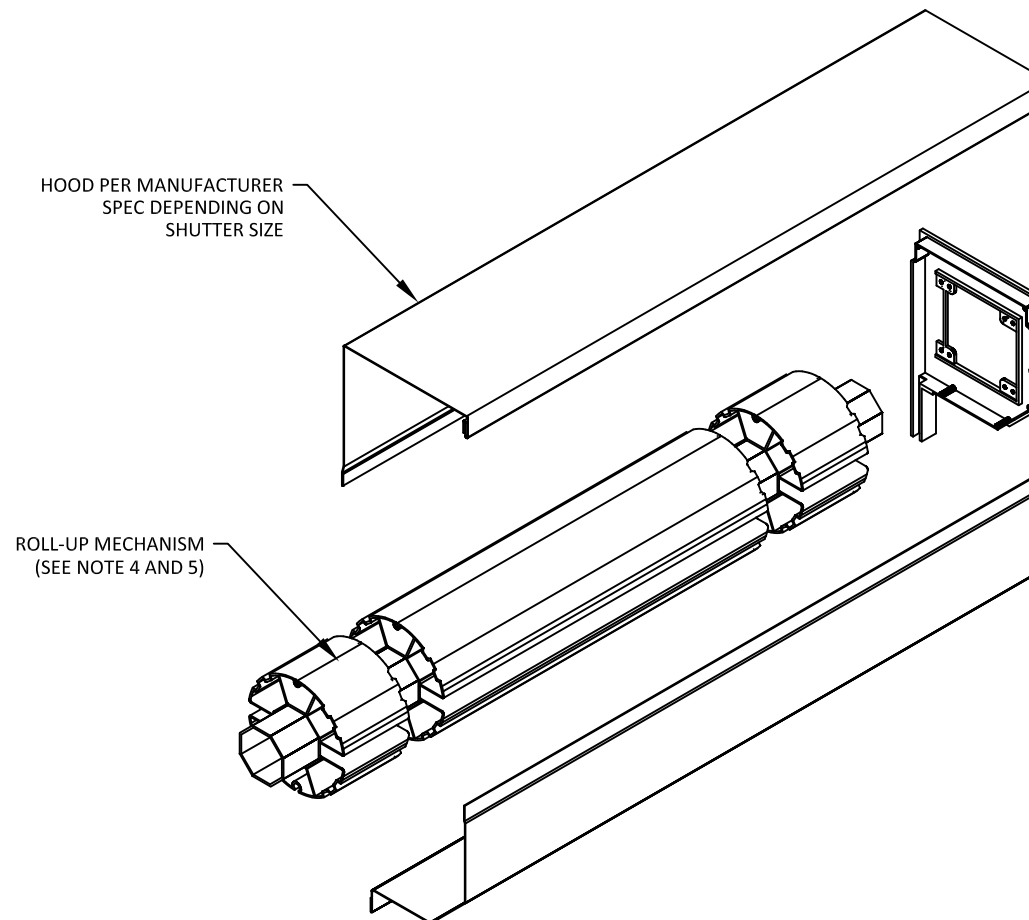
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398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBP RE FIRM NO. 13734

DATE: 01.03.22
DWG. BY: SM
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SCALE: NTS
DWG. #: PRG004
SHEET: OF 29

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

HOOD ASSEMBLY

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398 E. DANIA BEACH BLVD. #338
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TBPRE FIRM NO. 13734

DATE: 01.03.22	
DWG. BY: SM	CHK. BY: HFN
SCALE: NTS	
DWG. #: PRG004	
SHEET: 26	OF 29

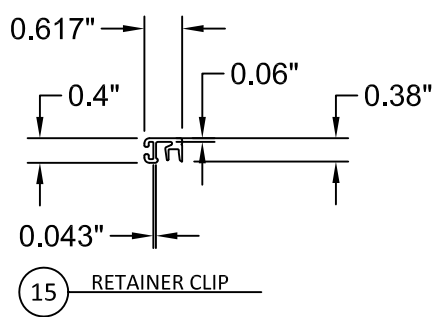
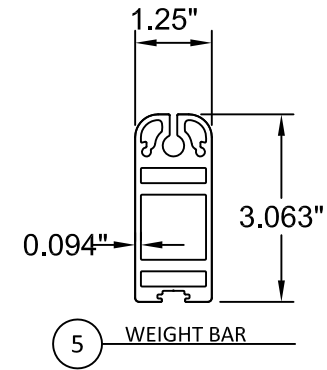
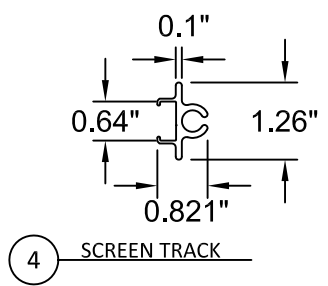
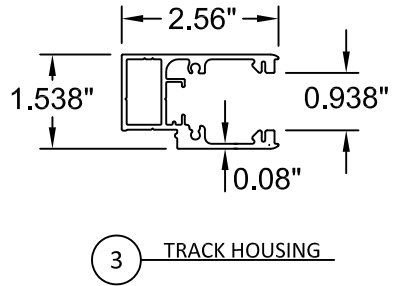
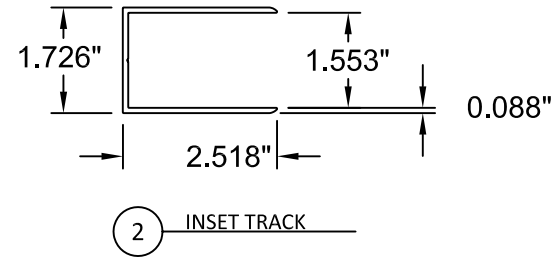
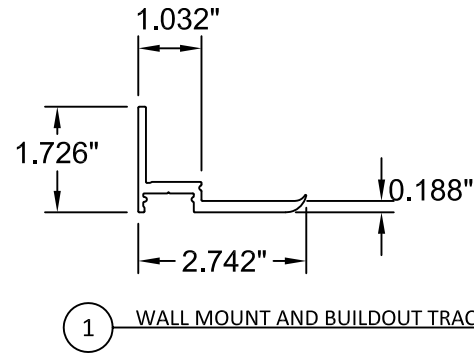
26

TITLE: MAGNATRACK HURRICANE SYSTEM
BOM & COMPONENTS

PREPARED BY:
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BILL OF MATERIALS	
ITEM	DESCRIPTION
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	-
9	7 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



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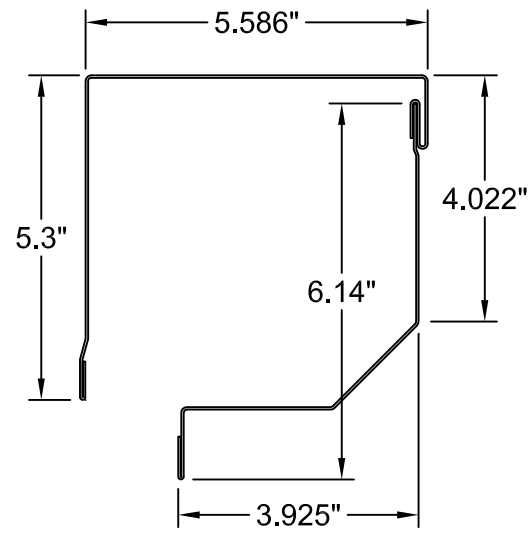
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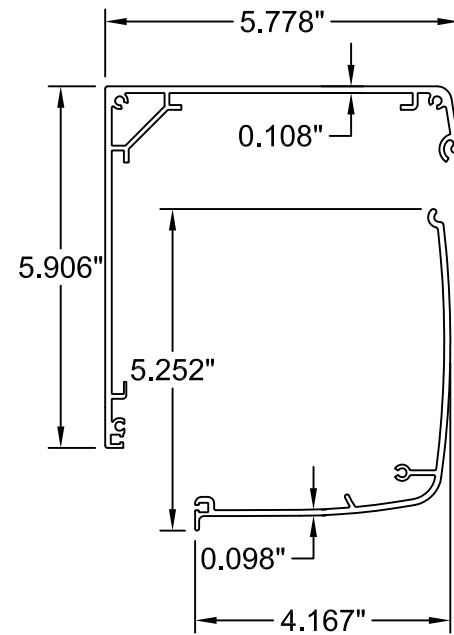
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TEXAS P. E. NO. 118471
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBPFE FIRM NO. 13734

DATE:	01.03.22
DWG. BY:	SM
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SCALE:	NTS
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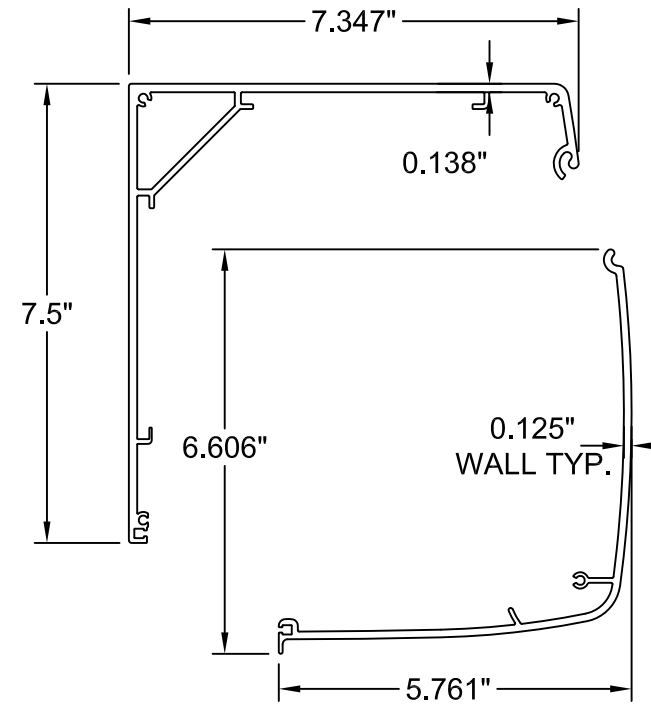
HOOD OPTIONS



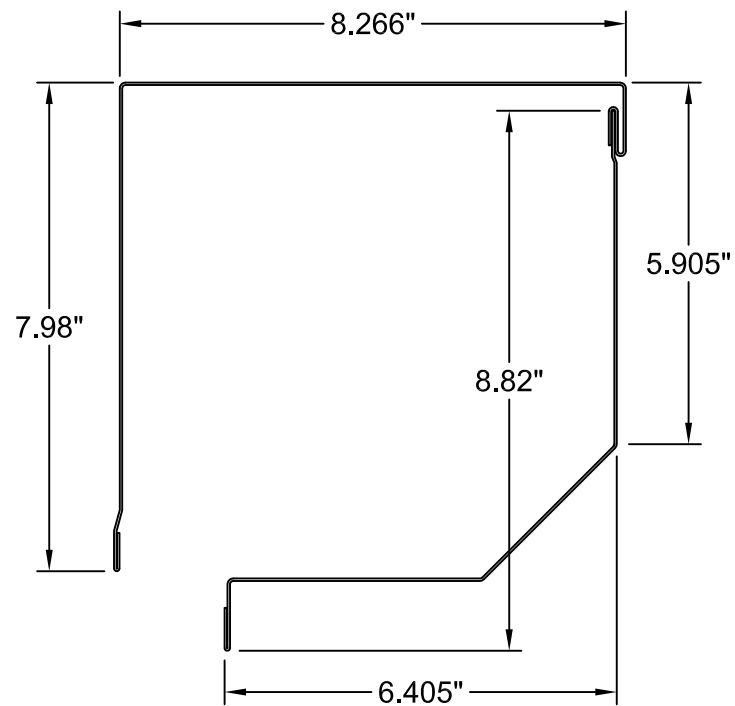
6 5 1/2" HOOD CAP



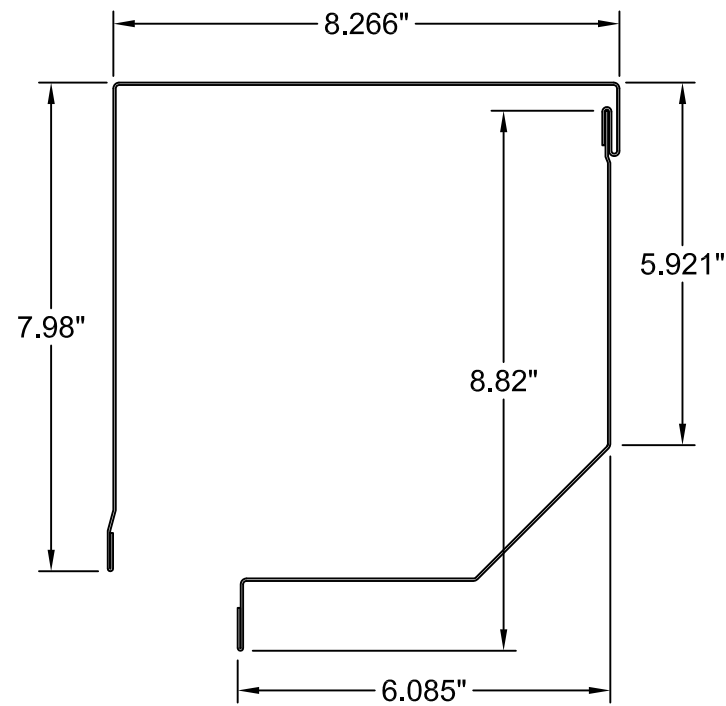
7 6" EXTRUDED HOOD CAP



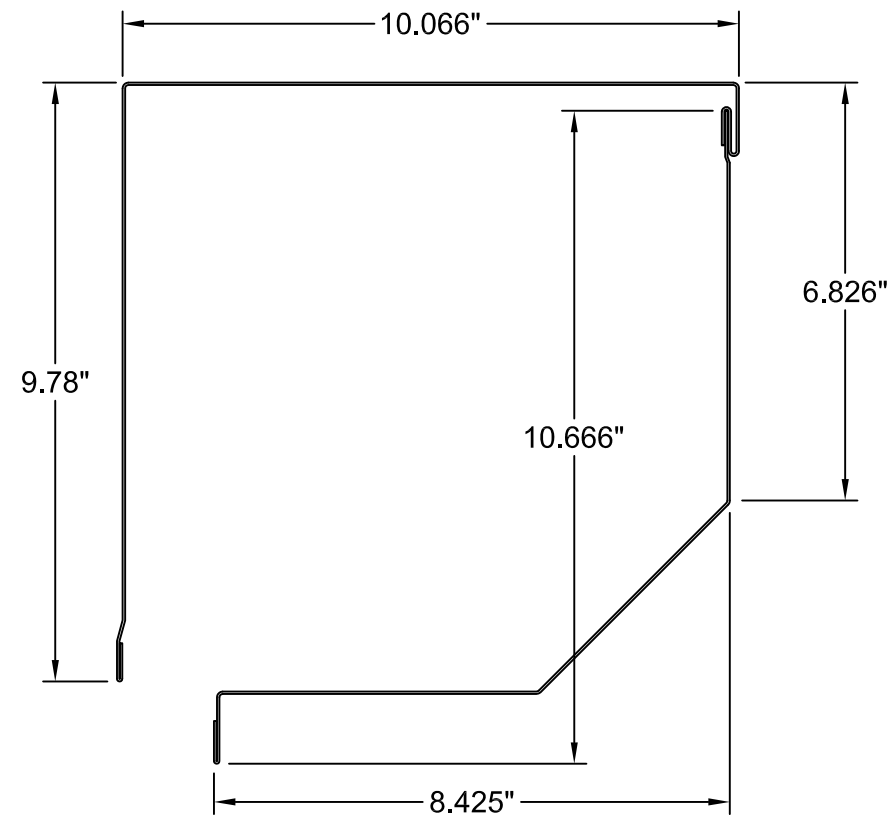
9 7 1/2" EXTRUDED HOOD CAP



10 8" (SL) HOOD CAP



11 8" (LL) HOOD CAP



12 10" (SL) HOOD CAP



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TITLE: **MAGNATRACK HURRICANE SYSTEM**
HOOD OPTIONS

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WEB: www.buildingdrops.com

REMARKS	BY	DATE

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.

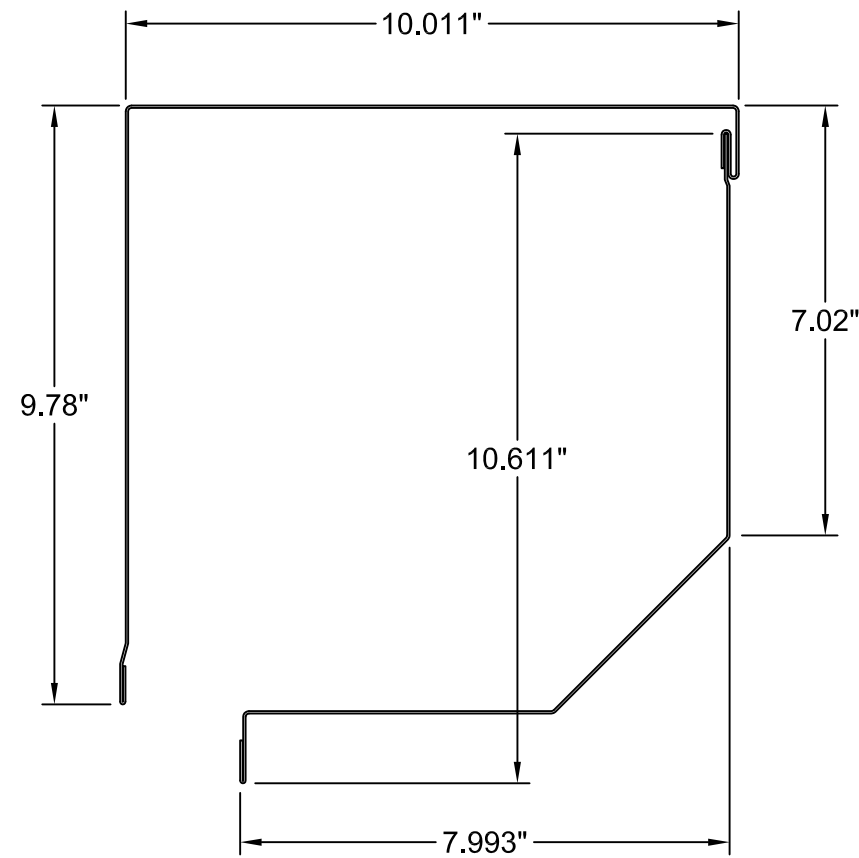


HERMES F. NORERO, P.E.
TEXAS P. E. NO. 118471
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
TBPRE FIRM NO. 13734

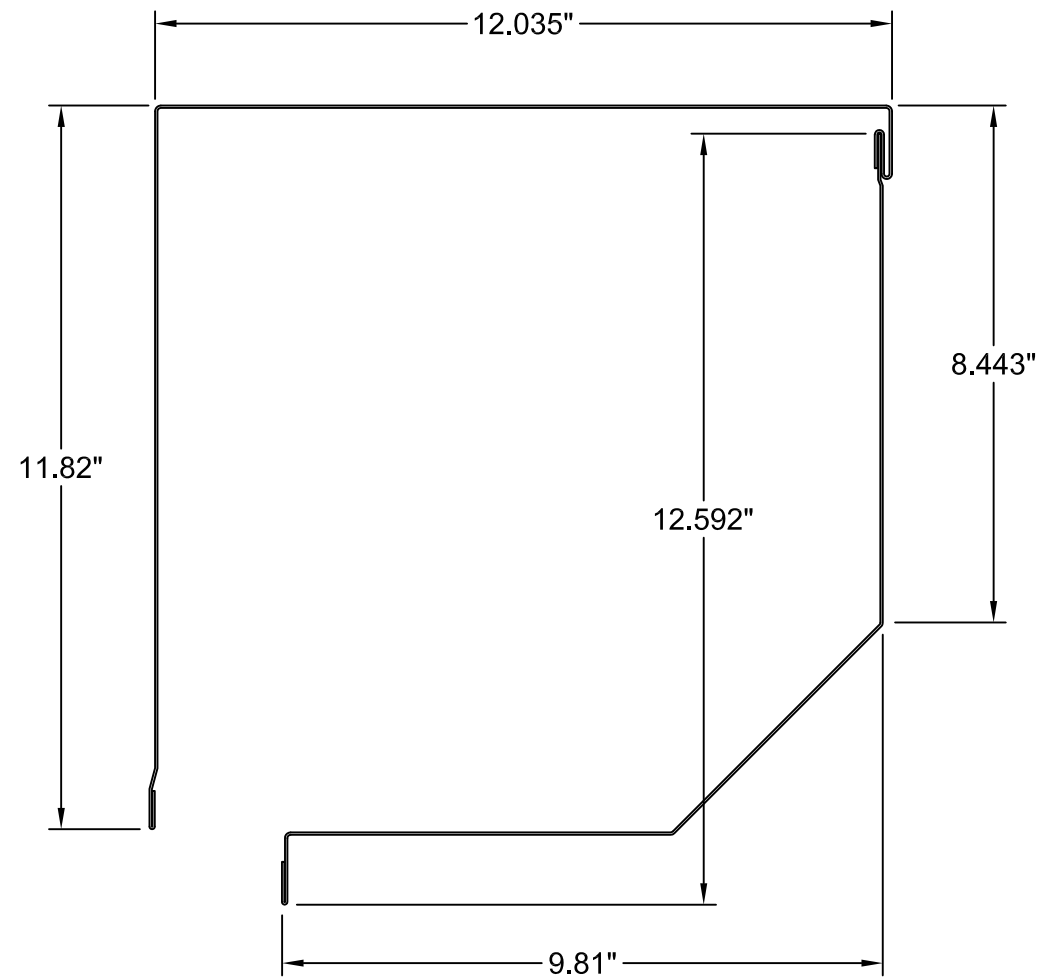
DATE: **01.03.22**

DWG. BY: SM	CHK. BY: HFN
SCALE: NTS	
DWG. #: PRG004	
SHEET: 28	OF 29

HOOD OPTIONS (CONT)



13 10" (LL) HOOD CAP



14 12" HOOD CAP



7839 FRUITVILLE RD
SARASOTA, FLORIDA 34240
PH: 941-360-0037

TITLE: MAGNATRACK HURRICANE SYSTEM
HOOD OPTIONS (CONT)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
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