



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

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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

Alutech United, Inc.
1537 Northgate Blvd.
Sarasota, FL 34234

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Storm Tex Screen Impact Protective End Retainer Roll-Down System – L.M.I.

APPROVAL DOCUMENT: Drawing No. ALU003, titled "Storm Tex Screen System (Impact)" prepared by Alutech United, Inc., dated 01/06/2020, sheets 1 through 21 of 21, signed and sealed by Hermes F. Norero, P.E., on 03/04/2020 bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LIMITATIONS:

1. Roll-down Mechanism is NOT part of this approval & must be certified by independent testing agency.
2. Minimum separation from interior storm bar to existing glass shall be as shown on sheet 2 of 21.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence submitted pages E-1 as well as approval document mentioned above.

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



NOA No. 20-0410.05
Expiration Date: 06/25/2025
Approval Date: 06/25/2020

Alutech United, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. ALU003, titled "Storm Tex Screen System (Impact)" prepared by Alutech United, Inc., dated 01/06/2020, sheets 1 through 21 of 21, signed and sealed by Hermes F. Norero, P.E., on 03/04/2020.*

B. TESTS

1. Test report on: 1) Uniform Static Air Pressure Test per PA 202,
2) Large Missile Impact Test per PA 201
3) Cyclic Wind Pressure Test per PA 203
along with marked-up drawings and installation diagram of Storm Tex Screen System, prepared by Blackwater Testing, Inc., Test Report # **BT-ATC-19.001** dated 11/18/19, signed and sealed by Constantin Bortes, P. E.

C. CALCULATIONS

1. *Comparative analysis for slats; storm bars, headers, tracks, mullions and anchors, using rational analysis dated 01/06/2020, prepared by Building Drops, signed and sealed by Hermes F. Norero, P.E., on 03/04/2020.*

D. QUALITY ASSURANCE

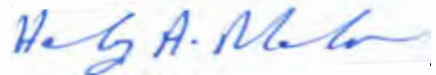
1. *By Miami- Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *Statement Letter of product compliance to FBC, 2017, prepared by Building Drops, dated 03/04/2020, signed and sealed by Hermes F. Norero, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 20-0410.05
Expiration Date: 06/25/2025
Approval Date: 06/25/2020

ALUTECH UNITED, INC.

STORM TEX SCREEN SYSTEM

(IMPACT) (HVHZ)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 6TH EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - ASTM E330-02
 - ASTM E1886-13a
 - ASTM E1996-14a
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: 6061-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 14, 16 AND 17 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 $\pm 1/2$ 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, 14, 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 AN HV COATING SYSTEM AS MANUFACTURED BY AN APPROVED COATING APPLICATOR REGISTERED WITH THE AMERICAN SHUTTER SYSTEMS ASSOCIATION.
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. SEE ANCHOR SCHEDULES, SHEETS 5, 6, 8, 13 AND 16 FOR ADDITIONAL REQUIREMENTS.
 - 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.

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19	-	7" & 8" HOOD DETAILS
20	-	9" HOOD DETAILS
21	-	BILL OF MATERIALS & COMPONENTS

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-0410.05
Approval Date 06/25/2020
By *W. A. M. M.*
Miami-Dade Product Control

PREPARED BY:



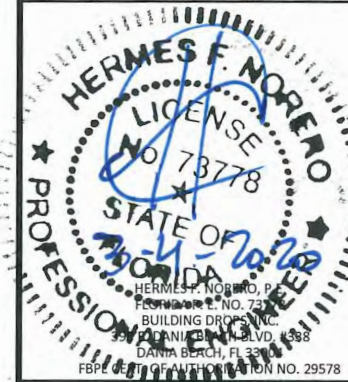
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)
GENERAL & INSTALLATION NOTES

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970
ALUTECH
UNITED, INC.

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.



DATE: 01.06.20	
DWG. BY: RV	CHK. BY: HFN
SCALE: NTS	
DWG. #: ALU003	
SHEET: OF	

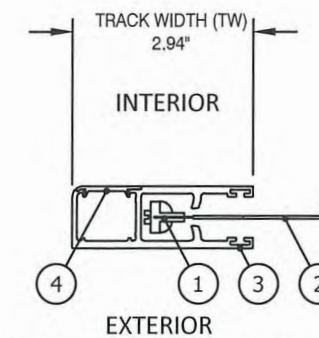
DESIGN PRESSURE RATINGS

TABLE 1 - MAX ALLOWABLE DESIGN PRESSURE		
FRAME WIDTH	POSITIVE	NEGATIVE
288.0	35.0	35.0
264.0	45.0	45.0
240.0	55.0	55.0
216.0	65.0	65.0
192.0	80.0	80.0
180.0	85.0	85.0
168.0	90.0	90.0
156.0	95.0	95.0
144.0	100.0	100.0
132.0	105.0	105.0
120.0	110.0	110.0
114.0	110.0	110.0
108.0	115.0	115.0
102.0	115.0	115.0
96.0	120.0	120.0

TABLE 2: GLASS SEPARATION (GS) INCHES													
LOAD (PSF)	FRAME WIDTH (IN)												
	96	108	120	132	144	156	168	180	192	216	240	264	288
30	5.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	13.00	15.00	20.50	29.75
35	5.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	13.00	17.25	23.75	34.75
45	5.50	11.00	11.00	11.00	11.00	11.00	11.00	11.00	12.25	16.25	22.00	30.50	-
55	6.00	11.00	11.00	11.00	11.00	11.00	11.75	13.25	14.75	19.75	26.75	-	-
65	7.00	11.00	11.00	11.00	11.00	12.50	13.75	15.50	17.25	23.25	-	-	-
80	8.25	11.00	11.00	12.00	13.50	15.00	16.75	18.75	21.00	-	-	-	-
85	8.75	11.00	11.25	12.75	14.25	16.00	17.75	20.00	-	-	-	-	-
90	9.25	11.00	12.00	13.50	15.00	16.75	18.75	-	-	-	-	-	-
95	9.75	11.00	12.50	14.00	15.75	17.75	-	-	-	-	-	-	-
100	10.25	11.75	13.25	14.75	16.50	-	-	-	-	-	-	-	-
105	10.75	12.25	13.75	15.50	-	-	-	-	-	-	-	-	-
110	11.25	12.75	14.25	-	-	-	-	-	-	-	-	-	-
115	11.75	13.25	-	-	-	-	-	-	-	-	-	-	-
120	12.00	-	-	-	-	-	-	-	-	-	-	-	-

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.



SIDE TRACK ASSEMBLY

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

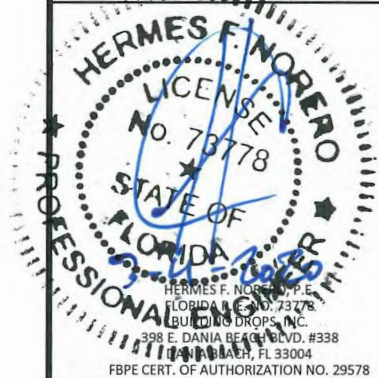
TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)
ELEVATION & DESIGN PRESSURE
TABLE

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970



REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL 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 IN ACCORDANCE WITH THIS DOCUMENT.



DATE: 01.06.20

DWG. BY: RV
CHK. BY: HFN

SCALE: NTS

DWG. #: ALU003

SHEET: OF 2

PRODUCT APPROVED
as complying with the Florida
Building Code

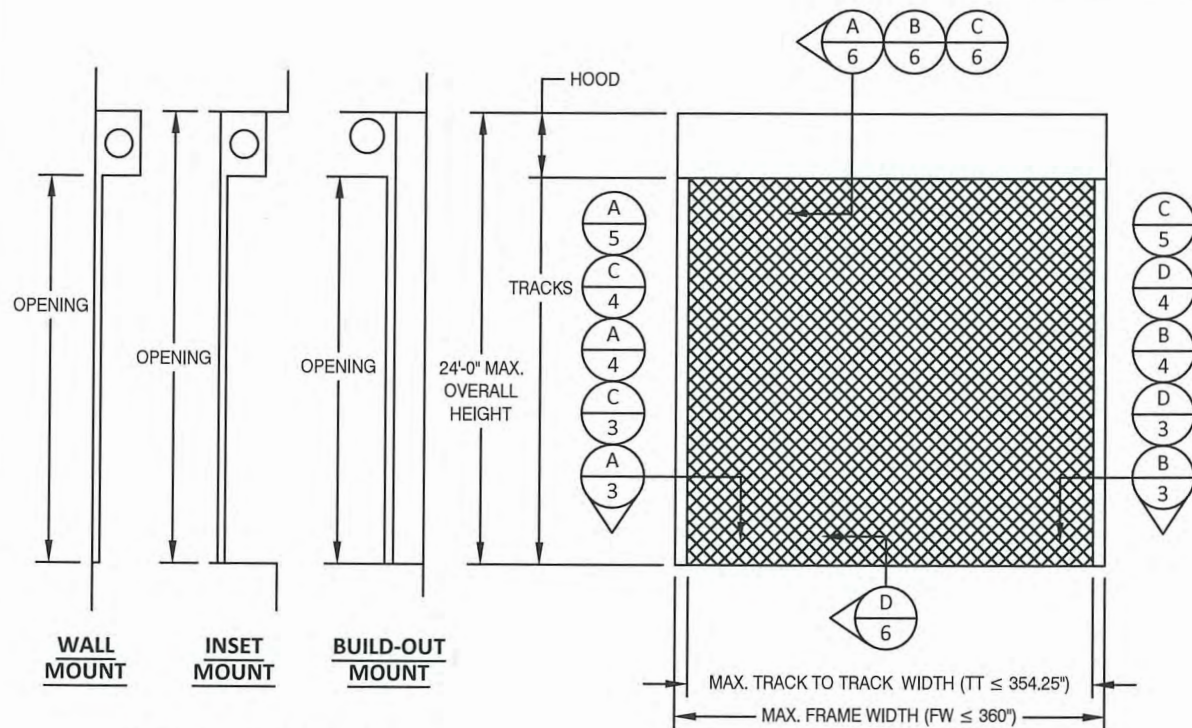
NOA-No. 20-0410.05

Approval Date 06/25/2020

By *H. A. Noriega*
Miami-Dade Product Control

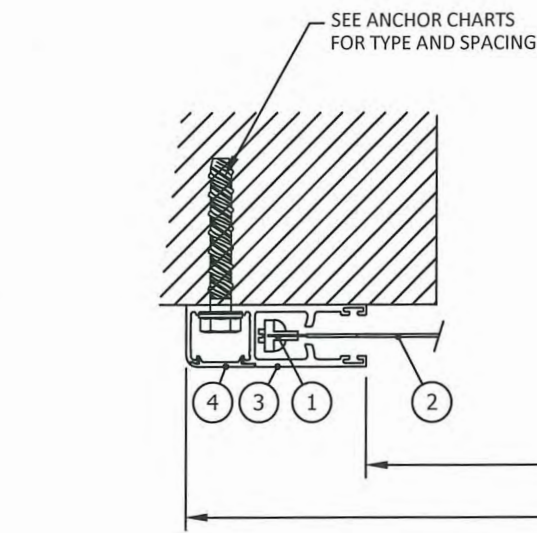
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TYPICAL SINGLE UNIT ELEVATION WALL AND INSET MOUNT DETAILS

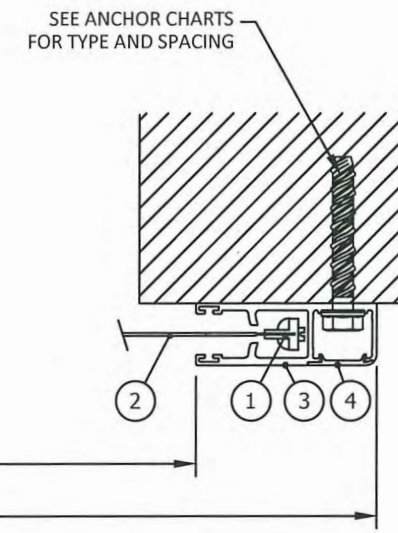


REVERSED INSTALLATION
IS ACCEPTABLE

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



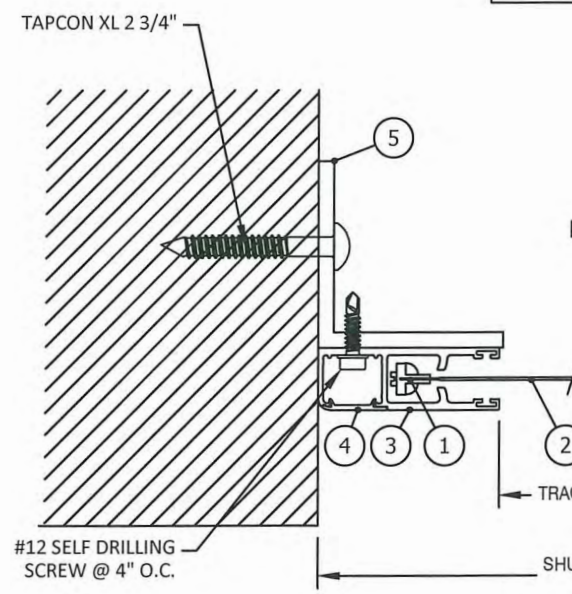
A
3 HORIZONTAL SECTION
WALL MOUNT



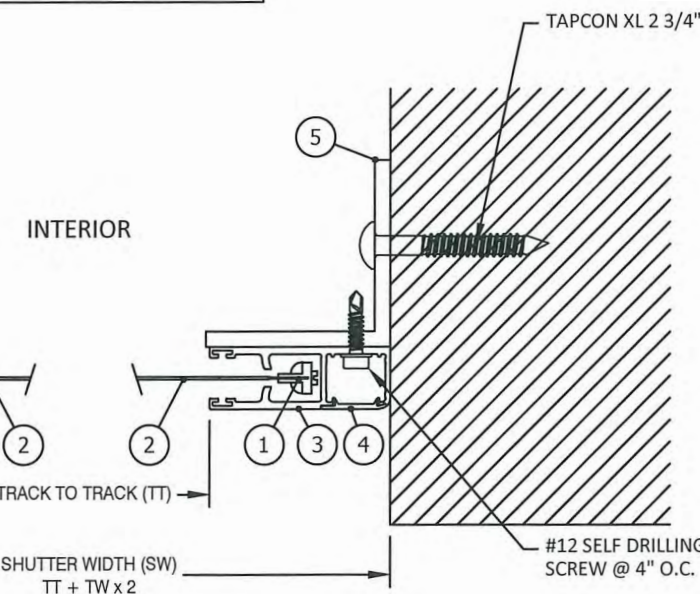
B
3 HORIZONTAL SECTION
WALL MOUNT

PRODUCT APPROVED
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NOA-No. 20-0410.05
Approval Date 06/25/2020
By *H. A. Norero*
Miami-Dade Product Control

SEE DETAILS ON SHEETS 7-12 FOR
ANCHOR REQUIREMENTS



C
3 HORIZONTAL SECTION
INSET MOUNT



D
3 HORIZONTAL SECTION
INSET MOUNT

PREPARED BY:



BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)

TYP. SINGLE UNIT
HORIZONTAL SECTIONS

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970



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DATE: 01.06.20

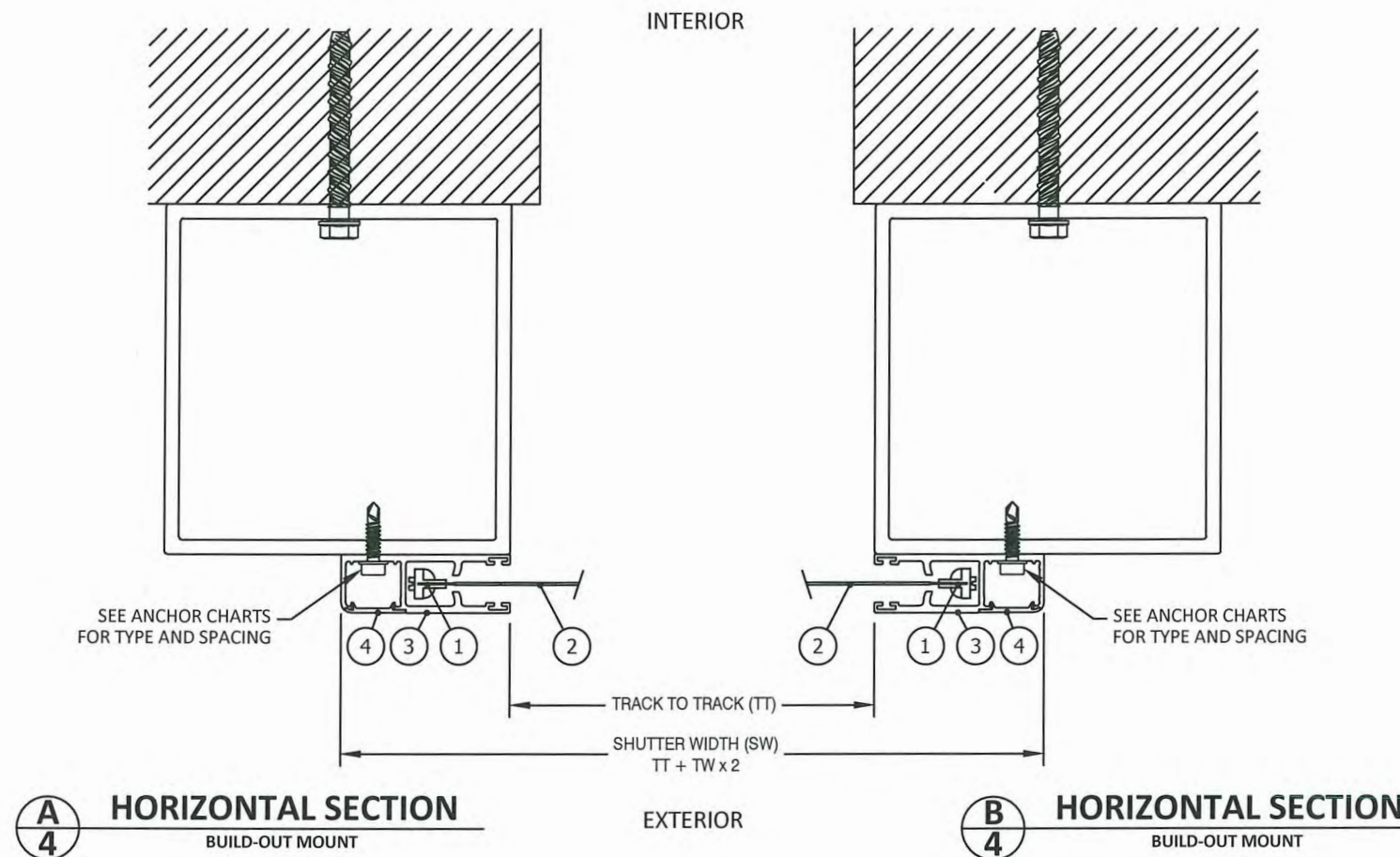
DWG. BY: RV
CHK. BY: HFN

SCALE: NTS

DWG. #: ALU003

SHEET: OF :

BUILD OUT MOUNT DETAILS



SEE DETAILS ON SHEETS 7-12 FOR ANCHOR REQUIREMENTS

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

PREPARED BY:



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TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)
BUILD OUT MOUNT DETAILS

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
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DATE:	01.06.20
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALU003
SHEET:	OF

PRODUCT APPROVED
as complying with the Florida
Building Code

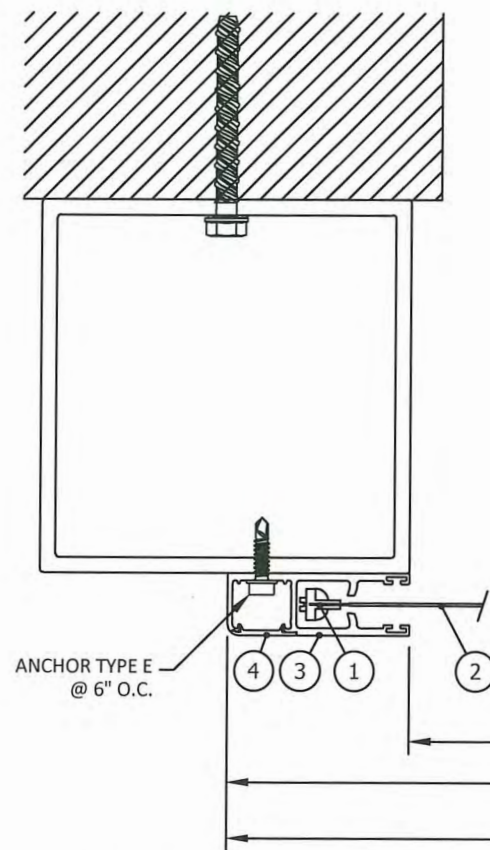
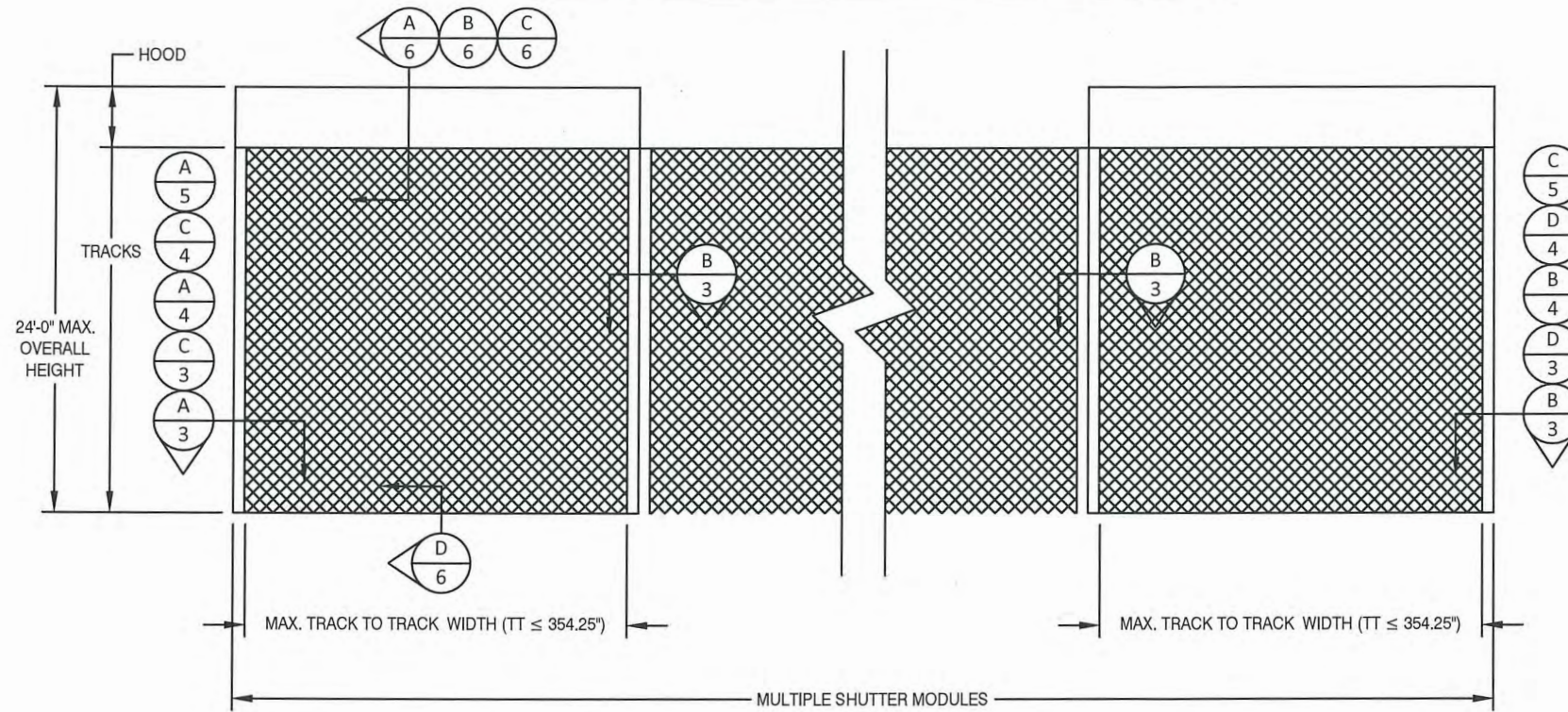
NOA-No. 20-0410.05

Approval Date 06/25/2020

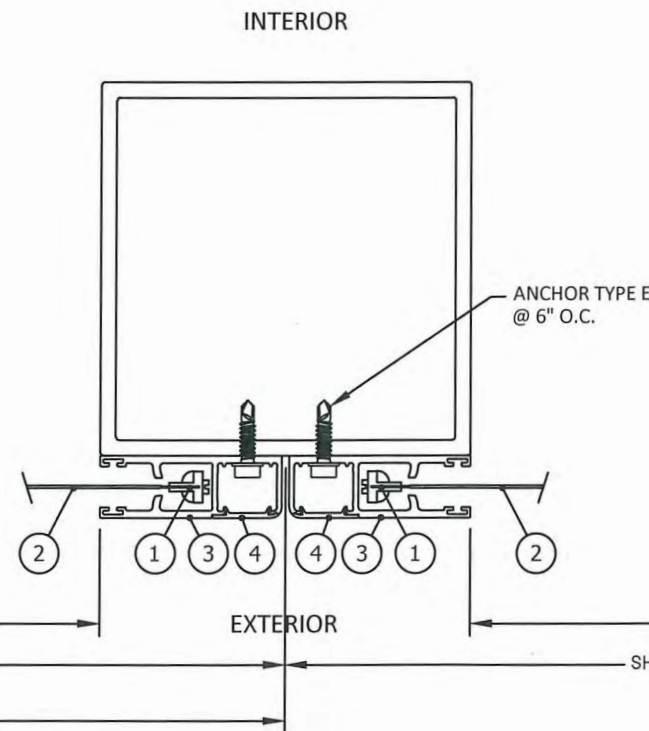
By *H. A. Norero*
Miami-Dade Product Control

4

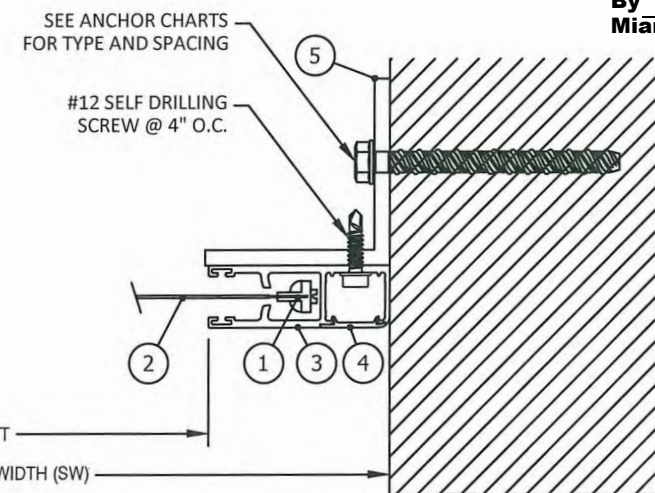
TYPICAL MULTIPLE UNITS ELEVATION



A 5 HORIZONTAL SECTION
BUILD-OUT MOUNT



B 3 HORIZONTAL SECTION
MULTIPLE CONNECTION

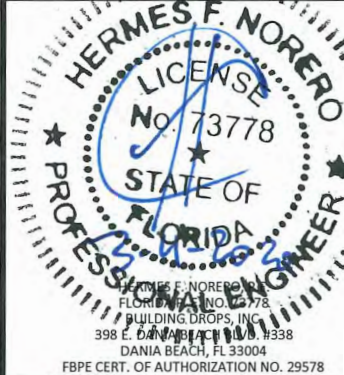


C 5 HORIZONTAL SECTION
INSET MOUNT

SEE DETAILS ON SHEETS 7-12 FOR ANCHOR REQUIREMENTS

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-0410.05
Approval Date 06/25/2020
By *H. A. Norero*
Miami-Dade Product Control

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL IN NATURE 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 MUST PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



DATE: 01.06.20
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: ALU003
SHEET: OF 5

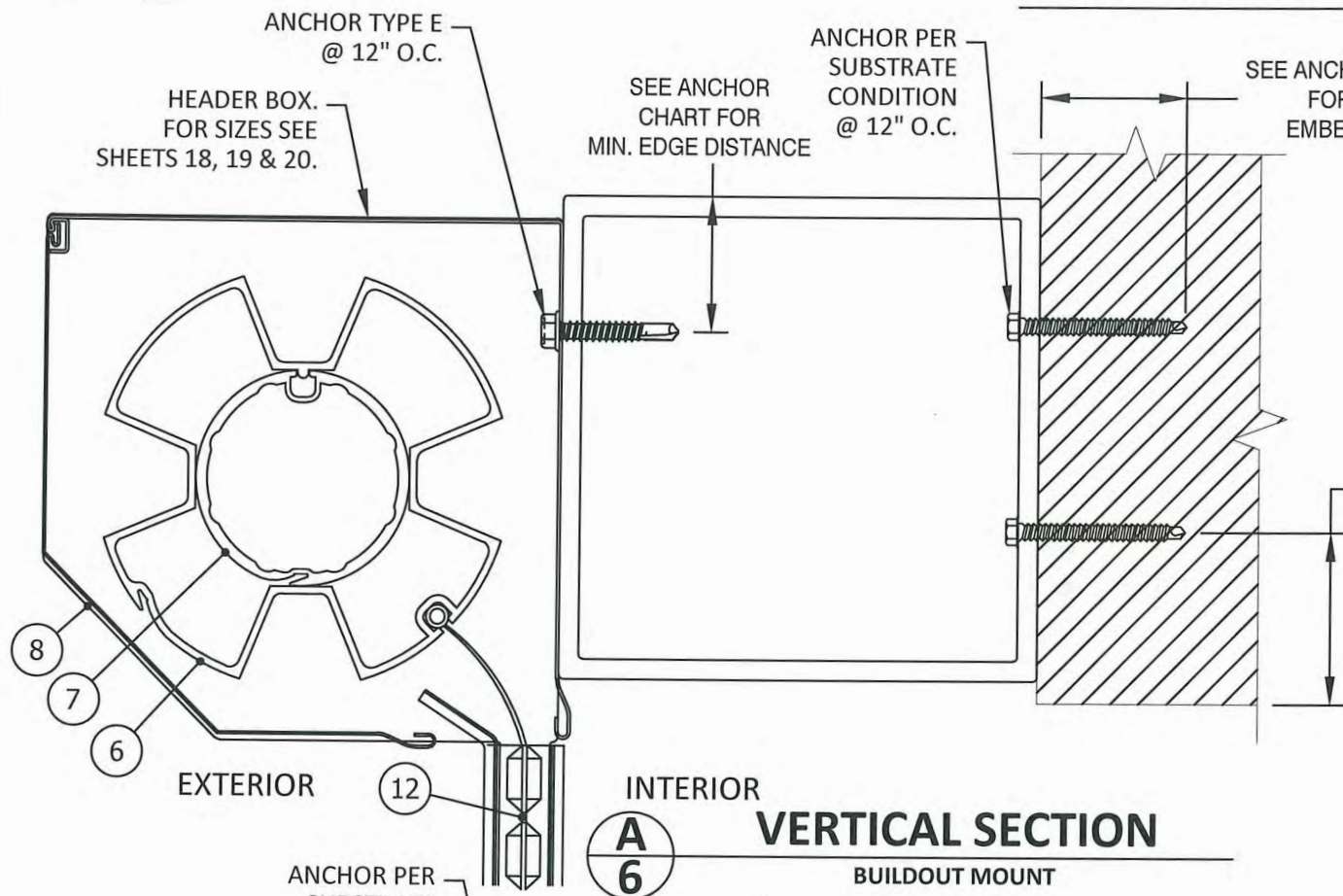
PREPARED BY:
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PH: (954)399-8478
FAX: (954)744-4738
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TITLE: STORM TEX SCREEN SYSTEM (IMPACT) (HVHZ) MULTIPLE UNITS HORIZONTAL SECTIONS

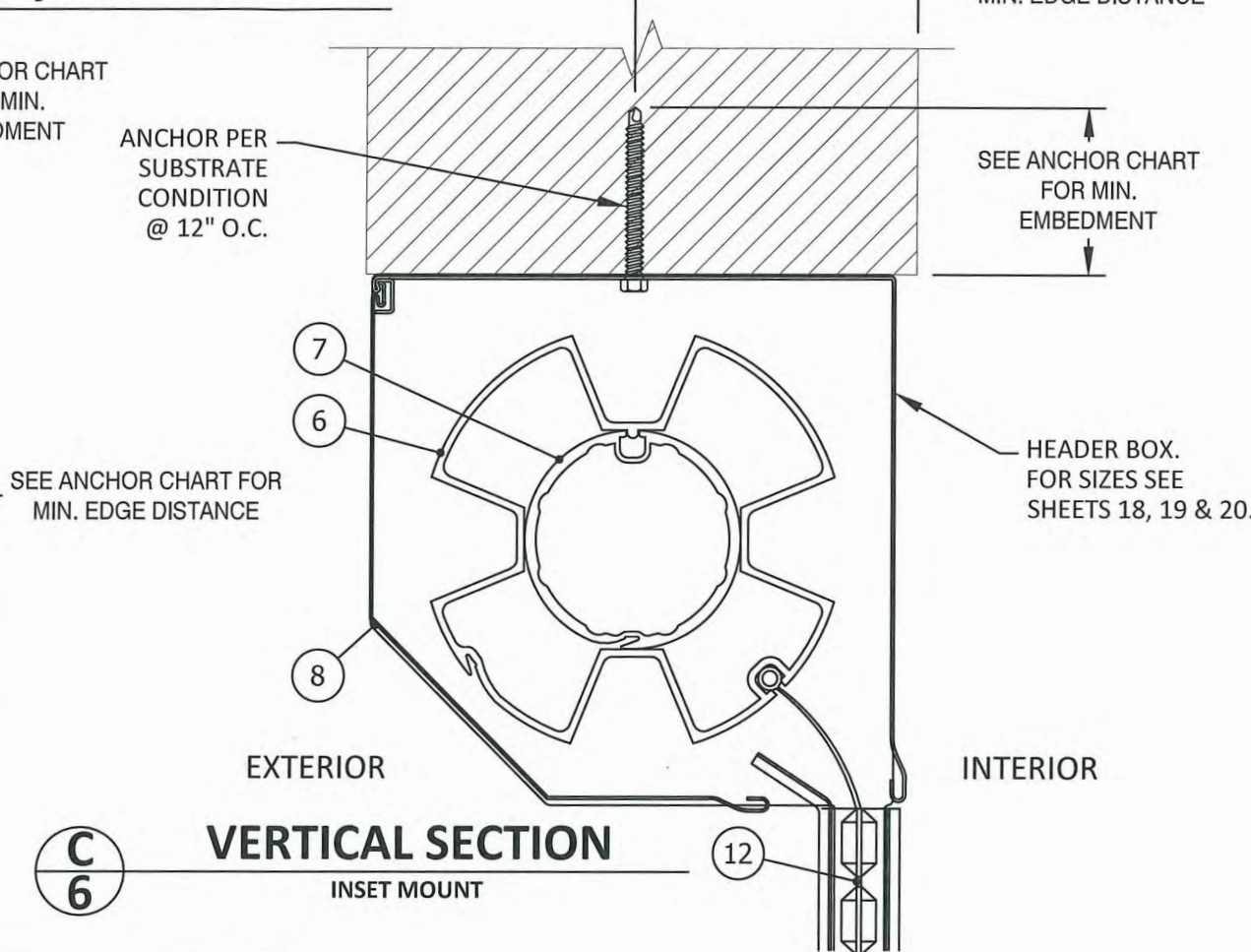
ALUTECH UNITED 1537 NORTHGATE BLVD. SARASOTA, FLORIDA 34234 PH: 941-355-0970

ALUTECH UNITED, INC.

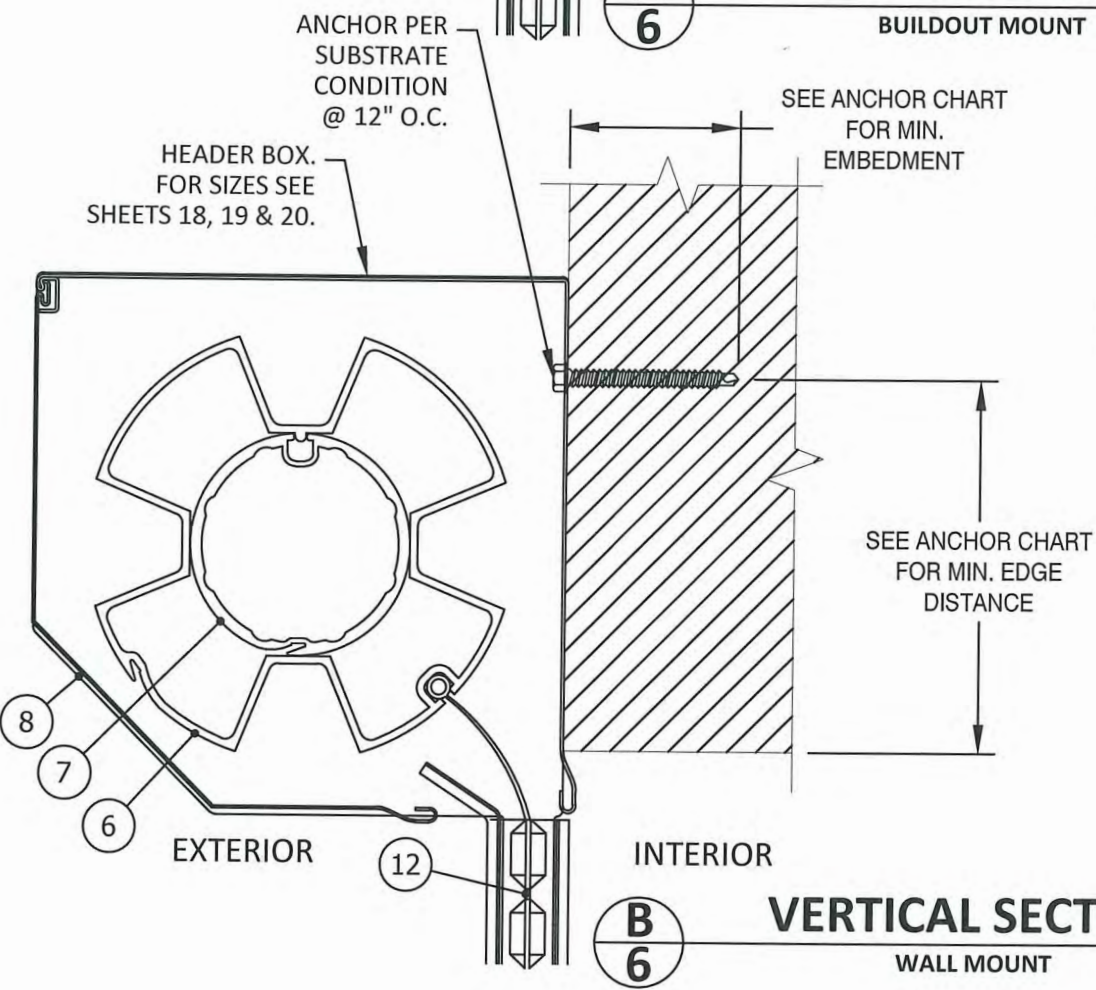
TYPICAL HEAD/SILL DETAILS



A
6 VERTICAL SECTION
BUILDOUT MOUNT

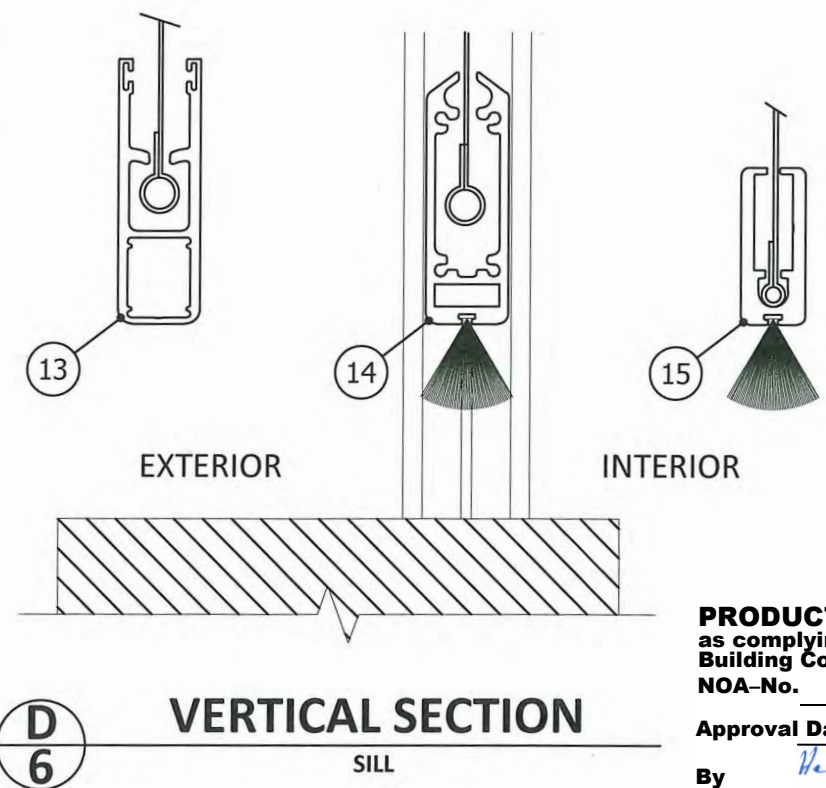


C
6 VERTICAL SECTION
INSET MOUNT



B
6 VERTICAL SECTION
WALL MOUNT

NOTE:
5.22" TUBE AND 6.49" HOOD ASSEMBLY SHOWN, SEE SHEET 18 FOR MORE DETAILS.
SEE SHEET 19 FOR 7" & 8" HOOD COMPONENTS.
SEE SHEET 20 FOR 9" HOOD COMPONENTS.
HOOD AND TUBE SHALL FOLLOW MANUFACTURERS SPECIFICATIONS.



D
6 VERTICAL SECTION
SILL

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-0410.05
Approval Date 06/25/2020
By *H. A. Miller*
Miami-Dade Product Control

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

TITLE: STORM TEX SCREEN SYSTEM (IMPACT) (HVHZ)
TYP. VERTICAL SECTIONS
ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970

ALUTECH UNITED, INC.

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL 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
PROFESSIONAL ENGINEER
FLORIDA P.E. NO. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

DATE: 01.06.20
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: ALU003
SHEET: 6 OF 6

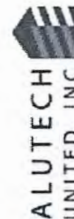
PREPARED BY:



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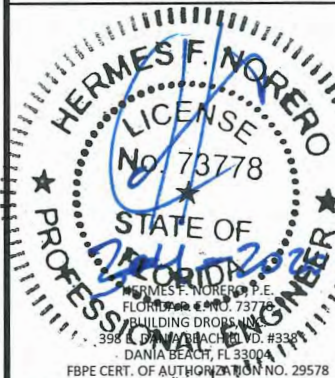
TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)
HORIZONTAL SECTIONS &
ANCHOR SCHEDULE

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970



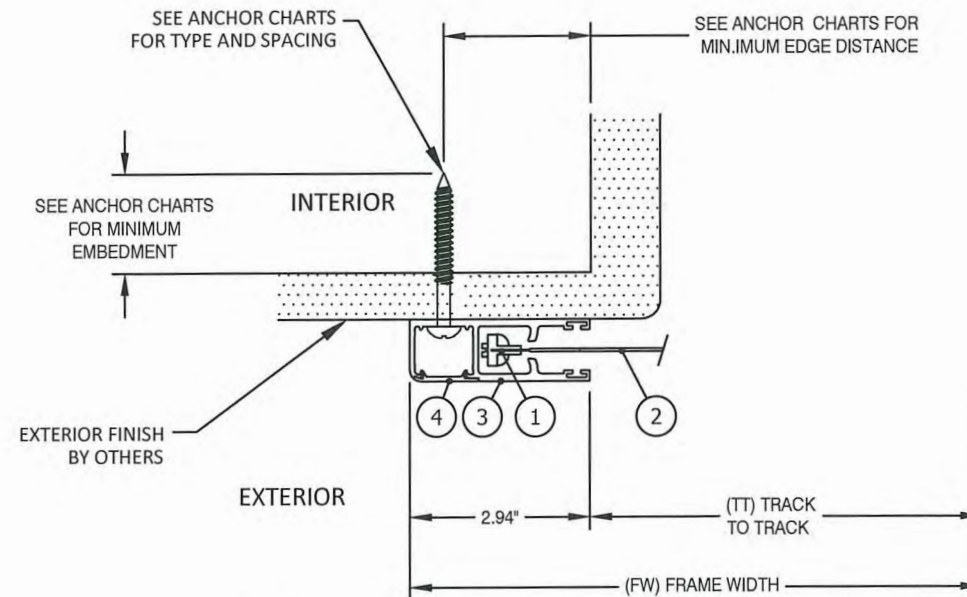
REMARKS	BY	DATE

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PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-0410.05
Approval Date 06/25/2020
By *H. A. Norero*
Miami-Dade Product Control

TYPICAL HORIZONTAL SECTIONS WALL MOUNT

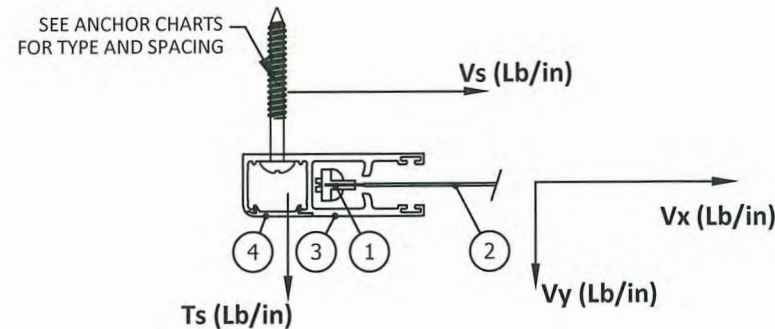


A
7

HORIZONTAL SECTION

MOUNT TYPE 1
WALL MOUNT

*WITH END RETENTION



ANCHOR SCHEDULE:

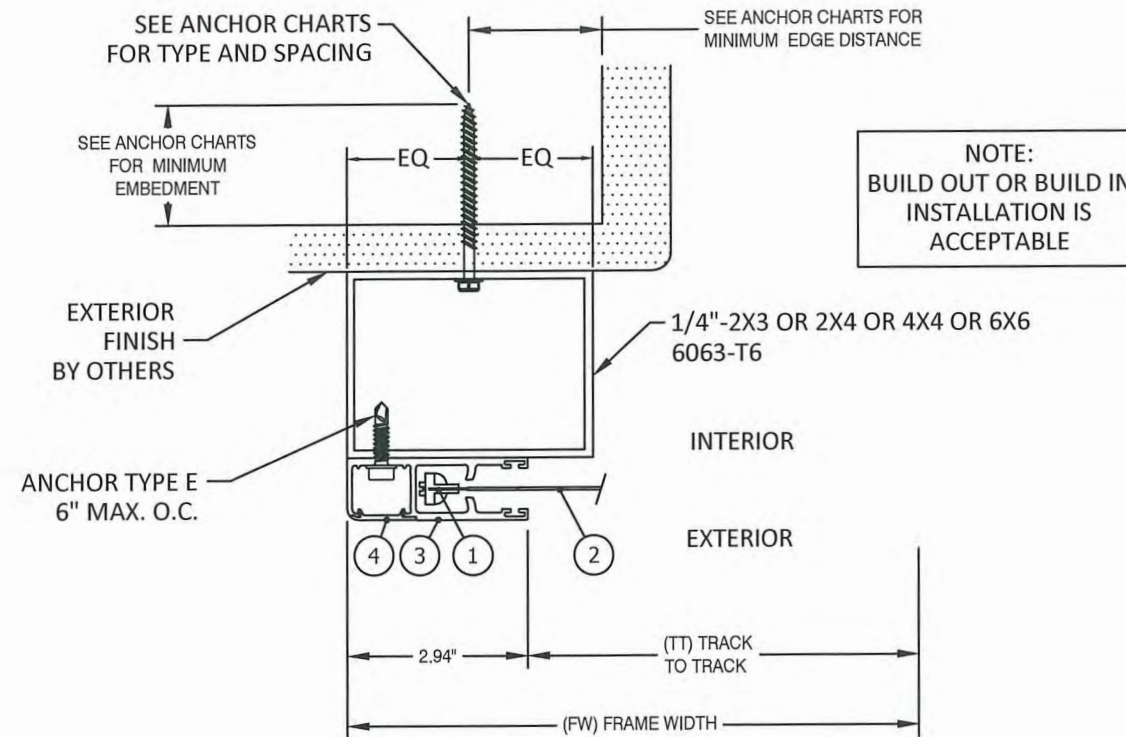
ANCHOR	DESCRIPTION	MATERIAL	EDGE DISTANCE	EMBEDMENT
A	3/8" POWERS WEDGE BOLT	MIN. 3000 PSI CONCRETE	3 3/4"	3 1/2"
B	5/16" ITW TAPCON	MIN. 3000 PSI CONCRETE	2 3/16"	2 1/4"
C	3/8" POWERS WEDGE BOLT	GROUT FILLED C-90 BLOCK f'm ≥ 1500 PSI	2"	2 1/2"
D	5/16" ITW TAPCON	GROUT FILLED C-90 BLOCK f'm ≥ 2000 PSI	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"

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	A	B	C	D	E	F
96	35	0.0	11.7	0.0	40.4	6	6	6	6	6	6	6	6	6	6	6	6
	40	0.0	13.3	0.0	46.2	6	6	6	6	6	6	6	6	6	6	6	6
	45	0.0	15.0	0.0	52.0	6	6	6	6	6	6	6	6	6	6	6	6
	50	0.0	16.7	0.0	57.7	6	6	6	6	6	6	6	6	6	6	6	6
	55	85.4	18.3	85.4	223.7	6	6	6	6	6	6	6	6	6	3	6	5
	60	85.4	20.0	85.4	226.6	6	6	6	6	6	6	6	6	6	3	6	5
	65	85.4	21.7	85.4	229.4	6	6	6	6	6	6	6	6	6	3	6	5
	70	85.4	23.3	85.4	232.3	6	6	6	6	6	6	6	6	6	3	6	5
	75	85.4	25.0	85.4	235.2	6	6	6	6	6	6	6	6	6	3	5	6
	80	85.4	26.7	85.4	238.0	6	6	6	6	6	6	6	6	6	3	5	6
	85	85.4	28.3	85.4	240.9	6	6	6	6	6	6	6	6	6	3	5	6
	90	85.4	30.0	85.4	243.8	6	6	6	6	6	6	6	6	6	3	5	6
102	95	85.4	31.7	85.4	246.7	6	6	6	6	6	6	6	6	6	3	5	6
	100	85.4	33.3	85.4	249.5	6	6	6	6	6	6	6	6	6	3	5	6
	105	85.4	35.0	85.4	252.4	6	6	6	6	6	6	6	6	6	3	5	6
	110	85.4	36.7	85.4	255.3	6	6	6	6	6	6	6	6	6	3	5	6
	115	85.4	38.3	85.4	258.1	6	6	6	6	6	6	6	6	6	3	5	6
	120	85.4	40.0	85.4	261.0	6	6	6	6	6	6	6	6	6	3	5	6
	35	0.0	12.4	0.0	42.9	6	6	6	6	6	6	6	6	6	6	6	6
	40	0.0	14.2	0.0	49.0	6	6	6	6	6	6	6	6	6	6	6	6
	45	0.0	15.9	0.0	55.1	6	6	6	6	6	6	6	6	6	6	6	6
	50	89.9	17.7	89.9	61.2	6	6	6	6	6	6	6	6	6	3	5	6
	55	89.9	19.5	89.9	67.3	6	6	6	6	6	6	6	6	6	3	5	6
	60	89.9	21.3	89.9	73.4	6	6	6	6	6	6	6	6	6	3	5	6
	65	89.9	23.0	89.9	79.5	6	6	6	6	6	6	6	6	6	3	5	6
	70	89.9	24.8	89.9	85.6	6	6	6	6	6	6	6	6	6	3	5	6
	75	89.9	26.6	89.9	91.7	6	6	6	6	6	6	6	6	6	3	5	6
	80	89.9	28.3	89.9	97.8	6	6	6	6	6	6	6	6	6	3	5	6
	85	89.9	30.1	89.9	103.9	6	6	6	6	6	6	6	6	6	3	5	6
	90	89.9	31.9	89.9	110.0	6	6	6	6	6	6	6	6	6	5	3	5
	95	89.9	33.6	89.9	116.1	6	6	6	6	6	6	6	6	6	5	3	5
	100	89.9	35.4	89.9	122.2	6	6	6	6	6	6	6	6	6	5	3	5
	105	89.9	37.2	89.9	128.3	6	6	6	6	6	6	6	6	6	5	3	5
	110	89.9	39.0	89.9	134.4	6	6	6	6	6	6	6	6	6	5	3	5
	115	89.9	40.7	89.9	140.5	6	6	6	6	6	6	6	6	6	5	3	4
108	35	0.0	13.1	0.0	45.5	6	6	6	6	6	6	6	6	6	6	6	6
	40	0.0	15.0	0.0	52.0	6	6	6	6	6	6	6	6	6	6	6	6
	45	0.0	16.9	0.0	58.5	6	6	6	6	6	6	6	6	6	6	6	6
	50	94.2	18.8	94.2	65.0	6	6	6	6	6	6	6	6	6	3	5	6
	55	94.2	20.6	94.2	71.5	6	6	6	6	6	6	6	6	6	5	3	5
	60	94.2	22.5	94.2	78.0	6	6	6	6	6	6	6	6	6	5	3	5
	65	94.2	24.4	94.2	84.5	6	6	6	6	6	6	6	6	6	5	3	5
	70	94.2	26.3	94.2	91.0	6	6	6	6	6	6	6	6	6	5	3	5
	75	94.2	28.1	94.2	97.5	6	6	6	6	6	6	6	6	6	5	3	5
	80	94.2	30.0	94.2	104.0	6	6	6	6	6	6	6	6	6	5	3	4
	85	94.2	31.9	94.2	110.5	6	6	6	6	6	6	6	6	6	5	3	4
	90	94.2	33.8	94.2	117.0	6	6	6	6	6	6	6	6	6	5	3	4
	95	94.2	35.6	94.2	123.5	6	6	6	6	6	6	6	6	6	5	3	4
	100	94.2	37.5	94.2	130.0	6	6	6	6	6	6	6	6	6	5	3	4
	105	94.2	39.4	94.2	136.5	6	6	6	6	6	6	6	6	6	5	3	4
	110	94.2	41.3	94.2	143.0	6	6	6	6	6	6	6	6	6	5	3	4
	115	94.2	43.1	94.2	149.5	6	6	6	6	6	6	6	6	6	5	3	4

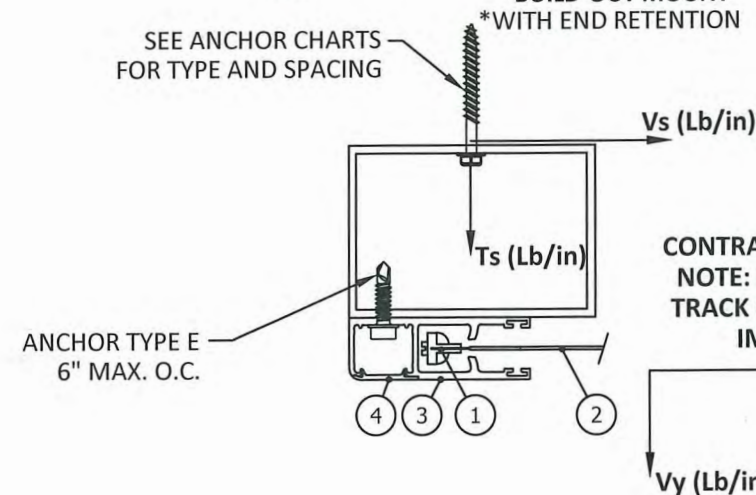
DATE: 01.06.20
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: ALU003
SHEET: OF 7

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	A	B	C	D	E	F
114	35	0.0	13.9	0.0	50.5	6	6	6	6	6	6	6	6	6	6	6	6
	40	0.0	15.8	0.0	57.7	6	6	6	6	6	6	6	6	6	6	6	6
	45	98.2	17.8	98.2	251.7	6	6	6	6	6	6	6	5	3	5	6	4
	50	98.2	19.8	98.2	255.1	6	6	6	6	6	6	6	5	3	4	6	4
	55	98.2	21.8	98.2	258.5	6	6	6	6	6	6	6	5	3	4	6	4
	60	98.2	23.8	98.2	261.9	6	6	6	6	6	6	6	5	3	4	6	4
	65	98.2	25.7	98.2	265.3	6	6	6	6	6	6	6	5	3	4	6	4
	70	98.2	27.7	98.2	268.7	6	6	6	6	6	6	6	5	-	4	6	4
	75	98.2	29.7	98.2	272.2	6	6	6	6	6	6	6	5	-	4	6	4
	80	98.2	31.7	98.2	275.6	6	6	6	6	6	6	6	5	-	4	6	4
120	85	98.2	33.6	98.2	279.0	6	6	6	6	6	6	6	5	-	4	6	4
	90	98.2	35.6	98.2	282.4	6	6	6	6	6	6	6	5	-	4	6	4
	95	98.2	37.6	98.2	285.8	6	6	6	6	6	6	6	4	-	4	6	4
	100	98.2	39.6	98.2	289.2	6	6	6	6	6	6	6	4	-	4	6	4
	35	0.0	14.6	0.0	50.5	6	6	6	6	6	6	6	6	6	6	6	6
	40	0.0	16.7	0.0	57.7	6	6	6	6	6	6	6	6	6	6	6	6
	45	102.0	18.8	102.0	261.8	6	6	6	6	6	6	6	5	-	4	6	4
	50	102.0	20.8	102.0	265.4	6	6	6	6	6	6	6	5	-	4	6	4
	55	102.0	22.9	102.0	269.0	6	6	6	6	6	6	6	5	-	4	6	4
	60	102.0	25.0	102.0	272.6	6	6	6	6	6	6	6	5	-	4	6	4
132	65	102.0	27.1	102.0	276.2	6	6	6	6	6	6	6	5	-	4	6	4
	70	102.0	29.2	102.0	279.8	6	6	6	6	6	6	6	4	-	4	6	4
	75	102.0	31.3	102.0	283.4	6	6	6	6	6	6	6	4	-	4	6	4
	80	102.0	33.3	102.0	286.9	6	6	6	6	6	6	6	4	-	4	6	4
	85	102.0	35.4	102.0	290.5	6	6	6	6	6	6	6	4	-	4	6	3
	90	102.0	37.5	102.0	294.1	6	6	6	6	6	6	6	4	-	4	6	3
	95	102.0	39.6	102.0	297.7	6	6	6	6	6	6	6	4	-	4	6	3
	100	102.0	41.7	102.0	301.3	6	6	6	6	6	6	6	4	-	4	6	3
	105	102.0	43.8	102.0	304.9	6	6	6	6	6	6	6	4	-	4	6	3
	110	102.0	45.8	102.0	308.5	6	6	6	6	6	6	6	6	-	6	6	6
132	35	0.0	16.0	0.0	55.6	6	6	6	6	6	6	6	6	6	6	6	6
	40	108.8	18.3	108.8	276.4	6	6	6	6	6	6	6	4	-	4	6	3
	45	108.8	20.6	108.8	280.3	6	6	6	6	6	6	6	4	-	4	6	3
	50	108.8	22.9	108.8	284.3	6	6	6	6	6	6	6	4	-	4	6	3
	55	108.8	25.2	108.8	288.2	6	6	6	6	6	6	6	4	-	4	6	3
	60	108.8	27.5	108.8	292.2	6	6	6	6	6	6	6	4	-	4	6	3
	65	108.8	29.8	108.8	296.1	6	6	6	6	6	6	6	4	-	4	6	3
	70	108.8	32.1	108.8	300.1	6	6	6	6	6	6	6	4	-	3	6	3
	75	108.8	34.4	108.8	304.0	6	6	6	6	6	6	6	4	-	3	6	3
	80	108.8	36.7	108.8	308.0	6	6	6	6	6	6	6	4	-	3	6	3
132	85	108.8	39.0	108.8	311.9	6	6	6	6	6	6	6	4	-	3	6	3
	90	108.8	41.3	108.8	315.9	6	6	6	6	6	6	6	4	-	3	6	3
	95	108.8	43.5	108.8	319.8	6	6	6	6	6	6	6	4	-	3	6	3
	100	108.8	45.8	108.8	323.8	6	6	6	6	6	6	6	4	-	3	6	3
	105	108.8	48.1	108.8	327.7	6	6	6	6	6	6	6	6	-	6	6	6

TYPICAL HORIZONTAL SECTIONS BUILD OUT



A 8 HORIZONTAL SECTION MOUNT TYPE 2 BUILD-OUT MOUNT *WITH END RETENTION



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-0410.05

Approval Date 06/25/2020

By *W. A. Miller*
Miami-Dade Product Control

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.

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 WEGDE 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. 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"

PREPARED BY:



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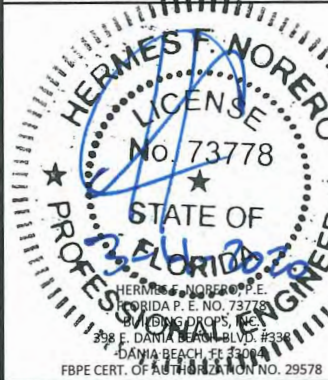
TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)
HORIZONTAL SECTIONS &
ANCHOR SCHEDULE

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970



REMARKS	BY	DATE

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DATE: 01.06.20

DWG. BY: RV
CHK. BY: HFN

SCALE: NTS

DWG. #: ALU003

SHEET: OF 2

8

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

TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)

ANCHOR SCHEDULE SPACING

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970



REMARKS BY DATE

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DATE: 01.06.20

DWG. BY: RV CHK. BY: HFN

SCALE: NTS

DWG. #: ALU003

SHEET: OF :

9

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	A	B	C	D	E	F
144	35	0.0	17.5	0.0	60.6	6	6	6	6	6	6	6	6	6	6	6	6
	40	114.5	20.0	114.5	292.2	6	6	5	6	6	6	6	4	-	3	6	3
	45	114.5	22.5	114.5	296.5	6	6	5	6	6	6	6	4	-	3	6	3
	50	114.5	25.0	114.5	300.8	6	6	5	6	6	6	6	4	-	3	6	3
	55	114.5	27.5	114.5	305.1	6	6	5	6	6	6	6	4	-	3	6	3
	60	114.5	30.0	114.5	309.4	6	6	5	6	6	6	6	4	-	3	6	3
	65	114.5	32.5	114.5	313.7	6	6	5	6	6	6	6	4	-	3	6	3
	70	114.5	35.0	114.5	318.0	6	6	5	6	6	6	6	4	-	3	6	3
	75	114.5	37.5	114.5	322.3	6	6	5	6	6	6	6	3	-	3	6	3
	80	114.5	40.0	114.5	326.6	6	6	5	6	6	6	6	3	-	3	6	3
156	85	114.5	42.5	114.5	330.9	6	6	5	6	6	6	6	3	-	3	6	3
	90	114.5	45.0	114.5	335.2	6	6	5	6	6	6	6	3	-	3	6	3
	95	114.5	47.5	114.5	339.6	6	6	5	6	6	6	6	3	-	3	6	3
	100	114.5	50.0	114.5	343.9	6	6	6	6	6	6	6	6	-	6	6	6
	35	119.2	19.0	122.8	300.9	6	6	5	6	6	6	6	4	-	3	6	3
	40	119.2	21.7	122.8	305.6	6	6	5	6	6	6	6	4	-	3	6	3
	45	119.2	24.4	122.8	310.2	6	6	5	6	6	6	6	4	-	3	6	3
	50	119.2	27.1	122.8	314.9	6	6	5	6	6	6	6	3	-	3	6	3
	55	119.2	29.8	122.8	319.6	6	6	5	6	6	6	6	3	-	3	6	3
	60	119.2	32.5	122.8	324.2	6	6	5	6	6	6	6	3	-	3	6	3
168	65	119.2	35.2	122.8	328.9	6	6	5	6	6	6	6	3	-	3	6	3
	70	119.2	37.9	122.8	333.6	6	6	5	6	6	6	6	3	-	3	6	3
	75	119.2	40.6	122.8	338.2	6	6	5	6	6	6	6	3	-	3	6	-
	80	119.2	43.3	122.8	342.9	6	6	5	6	6	6	6	3	-	3	5	-
	85	119.2	46.0	122.8	347.6	6	6	5	6	6	6	6	3	-	3	5	-
	90	119.2	48.8	122.8	352.3	6	6	5	6	6	6	6	3	-	-	5	-
	95	119.2	51.5	119.2	356.9	6	6	5	6	6	6	6	3	-	-	5	-
	35	122.8	19.0	122.8	303.0	6	6	5	6	6	6	6	4	-	3	6	3
	40	122.8	21.7	122.8	305.0	6	6	5	6	6	6	6	4	-	3	6	3
	45	122.8	24.4	122.8	306.9	6	6	5	6	6	6	6	4	-	3	6	3
180	50	122.8	27.1	122.8	308.9	6	6	5	6	6	6	6	4	-	3	6	3
	55	122.8	29.8	122.8	310.8	6	6	5	6	6	6	6	3	-	3	6	3
	60	122.8	32.5	122.8	312.8	6	6	5	6	6	6	6	3	-	3	6	3
	65	122.8	35.2	122.8	314.7	6	6	5	6	6	6	6	3	-	3	6	3
	70	122.8	37.9	122.8	319.0	6	6	5	6	6	6	6	3	-	3	6	3
	75	122.8	40.6	122.8	322.1	6	6	5	6	6	6	6	3	-	3	6	3
	80	122.8	43.3	122.8	325.2	6	6	5	6	6	6	6	3	-	3	6	3
	85	122.8	46.0	122.8	328.3	6	6	5	6	6	6	6	3	-	3	6	-
	90	122.8	48.8	122.8	331.4	6	6	5	6	6	6	6	3	-	3	6	-
	35	125.4	21.9	125.4	319.8	6	6	5	6	6	6	6	4	-	3	9	3
180	40	125.4	25.0	125.4	325.2	6	6	5	6	6	6	6	3	-	3	6	3
	45	125.4	28.1	125.4	330.5	6	6	5	6	6	6	6	3	-	3	6	3
	50	125.4	31.3	125.4	335.9	6	6	5	6	6	6	6	3	-	3	6	3
	55	125.4	34.4	125.4	341.3	6	6	5	6	6	6	6	3	-	3	6	-
	60	125.4	37.5	125.4	346.7	6	6	5	6	6	6	6	3	-	3	5	-
	65	125.4	40.6	125.4	352.1	6	6	4	6	6	6	6	3	-	3	5	-
	70	125.4	43.8	125.4	357.5	6	6	4	6	6	6	6	6	6	6	6	6
	75	125.4	46.9	125.4	362.9	6	6	4	6	6	6	6	6	6	6	6	6
	80	125.4	50.0	125.4	368.2	6	6	4	6	6	6	6	6	6	6	6	6

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	A	B	C	D	E	F
192	35	126.8	23.3	126.8	325.5	6	6	4	6	6	6	6	3	-	3	6	3
	40	126.8	26.7	126.8	331.2	6	6	4	6	6	6	6	3	-	3	5	-
	45	126.8	30.0	126.8	337.0	6	6	4	6	6	6	6	3	-	3	5	-
	50	126.8	33.3	126.8	342.7	6	6	4	6	6	6	6	3	-	3	5	-
	55	126.8	36.7	126.8	348.5	6	6	4	6	6	6	6	3	-	-	5	-
	60	126.8	40.0	126.8	354.2	6	6	4	6	6	6	6	3	-	-	5	-
	65	126.8	43.3	126.8	359.9	6	6	4	6	6	6	6	3	-	-	5	-
	70	126.8	46.7	126.8	365.7	6	6	4	6	6	6	6	3	-	-	5	-
	75	126.8	50.0	126.8	371.4	6	6	4	6	6	6	6	3	-	-	5	-
	80	126.8	53.3	126.8	377.2	6	6	4	6	6	6	6	-	-	-	5	-
216	35	118.1	26.3	118.1	310.9	6	6	5	6	6	6	6	4	-	3	6	3
	40	118.1	30.0	118.1	317.3	6	6	5	6	6	6	6	3	-	3	6	3
	45	118.1	33.8	118.1	323.8	6	6	5	6	6	6	6	3	-	3	6	3
	50	118.1	37.5	118.1	330.3	6	6	5	6	6	6	6	3	-	3	6	3
	55	118.1	41.3	118.1	336.7	6	6	5	6	6	6	6	3	-	3	6	-
	60	118.1	45.0	118.1	343.2	6	6	5	6	6	6	6	3	-	3	5	-
240	65	118.1	48.8	118.1	349.7	6	6	5	6	6	6	6	3	-	3	5	-
	35	106.6	29.2	106.6	290.1	6	6	6	6	6	6	6	4	-	4	6	3
	40	106.6	33.3	106.6	297.2	6	6	6	6	6	6	6	4	-	3	6	3
	45	106.6	37.5	106.6	304.4	6	6	6	6	6	6	6	4	-	3	6	3
	50	106.6	41.7	106.6	311.6	6	6	6	6	6	6	6	4	-	3	6	3
	55	106.6	45.8	106.6	318.8	6	6	6	6	6	6	6	3	-	3	6	3
264	35	92.1	32.1	92.1	262.6	6	6	6	6	6	6	6	5	3	4	6	4
	40	92.1	36.7	92.1	270.5	6	6	6	6	6	6	6	5	3	4	6	4
	45	92.1	41.3	92.1	278.4	6	6	6	6	6	6	6	4	-	4	6	4
288	35	74.6	35.0	74.6	30.4	6	6	6	6	6	6	6	6	5	6	6	6

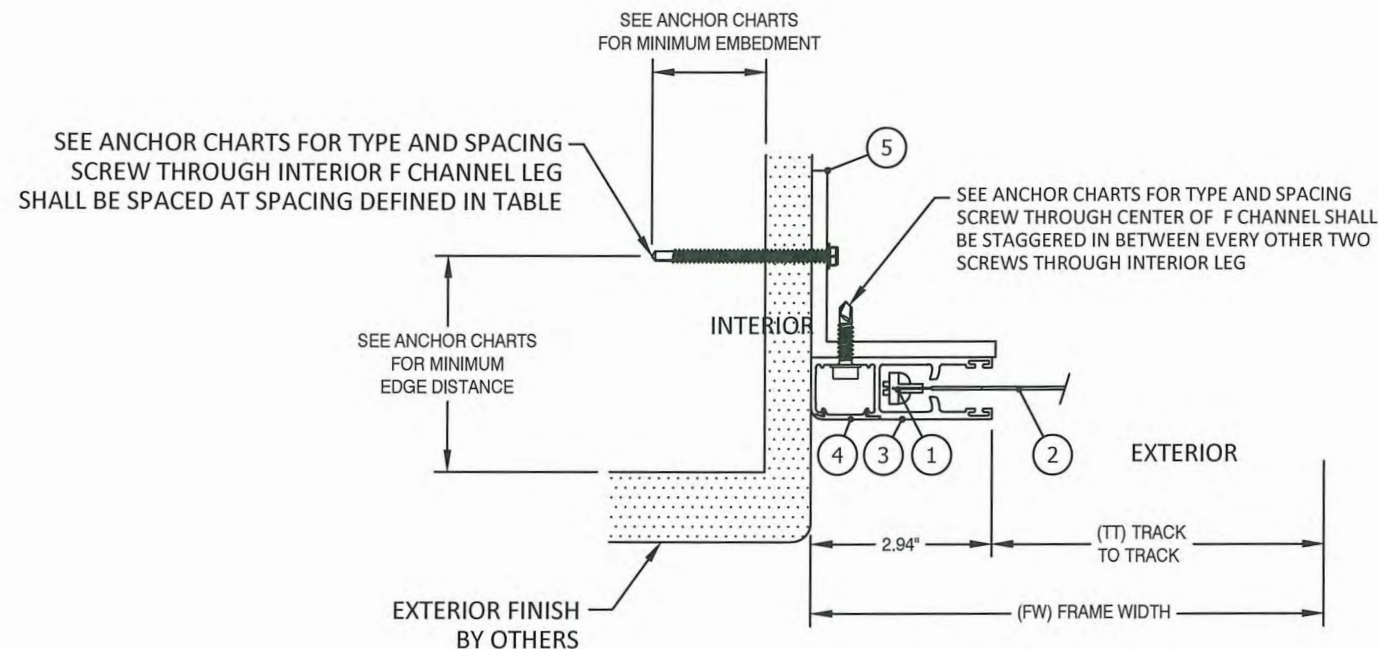
PRODUCT APPROVED
as complying with the Florida
Building Code

NOA-No. 20-0410.05

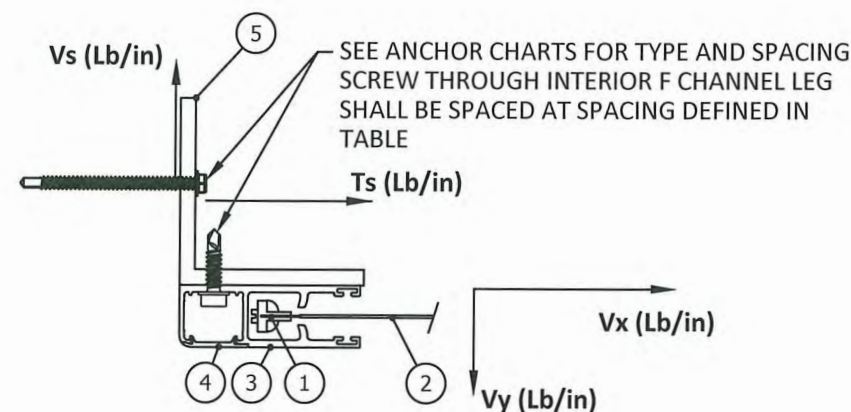
Approval Date 06/25/2020

By *H. G. A. M. G.*
Miami-Dade Product Control

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 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.

SEE SHEETS 11 & 12 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 WEGDE 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. 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"

PRODUCT APPROVED
as complying with the Florida
Building Code

NOA-No. 20-0410.05

Approval Date 06/25/2020

By *W. A. M. C.*
Miami-Dade Product Control

PREPARED BY:



BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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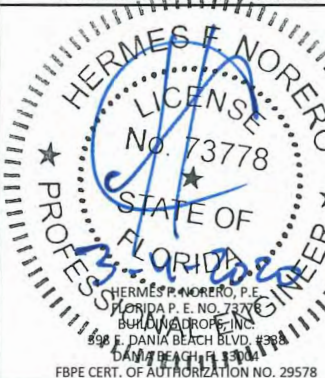
TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)
TYP. HORIZONTAL SECTION
- INSET MOUNT

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970



REMARKS BY DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL 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.



DATE: 01.06.20

DWG. BY: RV CHK. BY: HFN

SCALE: NTS

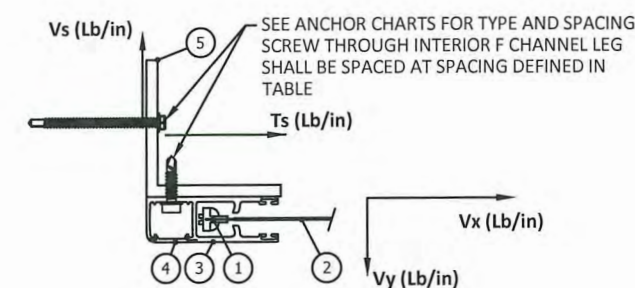
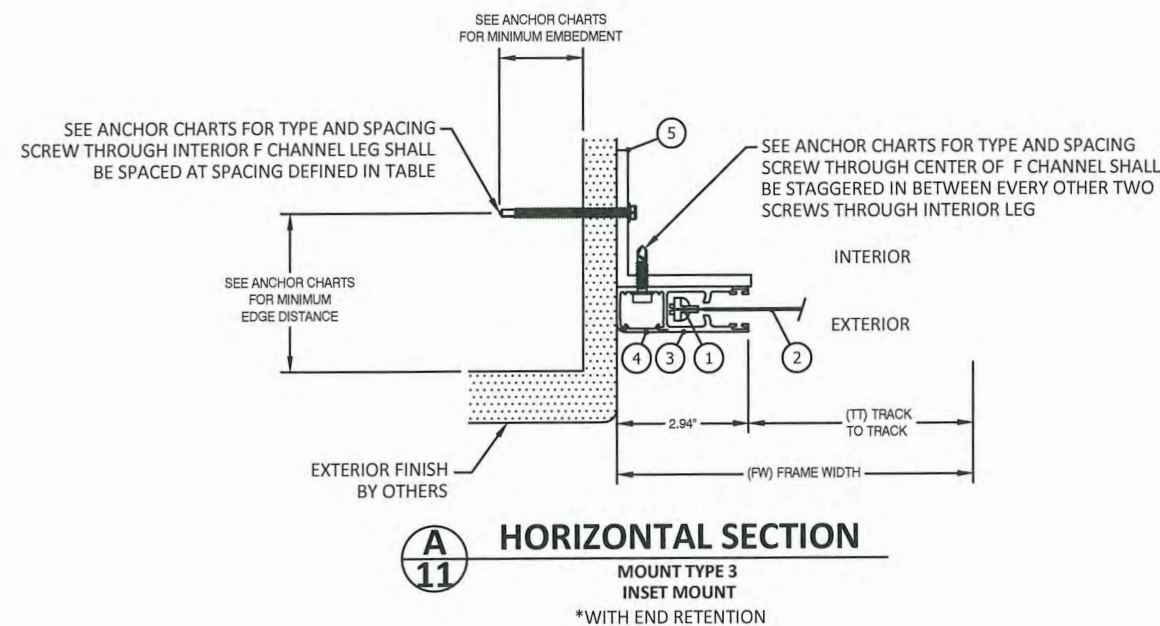
DWG. #: ALU003

SHEET: OF 10

10

TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING F CHANNEL INSET - MOUNT 3					
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F
96	35	3.28	11.67	0.00	15.26	6	6	6	6	6	6
	40	3.75	13.33	0.00	17.44	6	6	6	6	6	6
	45	4.22	15.00	0.00	19.62	6	6	6	6	6	6
	50	4.69	16.67	0.00	21.80	6	6	6	6	6	6
	55	5.15	18.33	85.37	237.31	6	6	6	6	6	6
	60	5.62	20.00	85.37	239.49	6	6	6	6	6	6
	65	6.09	21.67	85.37	241.67	6	6	6	6	6	6
	70	6.56	23.33	85.37	243.85	6	6	6	6	6	6
	75	7.03	25.00	85.37	246.03	6	6	6	6	6	6
	80	7.50	26.67	85.37	248.21	6	6	6	6	6	6
	85	7.97	28.33	85.37	250.39	6	6	6	6	6	6
	90	8.43	30.00	85.37	252.57	6	6	6	6	6	6
	95	8.90	31.67	85.37	254.75	6	6	6	6	6	6
	100	9.37	33.33	85.37	256.93	6	6	6	6	6	6
	105	9.84	35.00	85.37	259.11	6	6	6	6	6	6
102	110	10.31	36.67	85.37	261.30	6	6	6	6	6	6
	115	10.78	38.33	85.37	263.48	6	6	6	6	6	6
	120	11.25	40.00	85.37	265.66	6	6	6	6	6	6
	35	3.52	12.40	0.00	16.22	6	6	6	6	6	6
	40	4.02	14.17	0.00	18.53	6	6	6	6	6	6
	45	4.52	15.94	0.00	20.85	6	6	6	6	6	6
	50	5.02	17.71	89.90	247.81	6	6	6	6	6	6
	55	5.53	19.48	89.90	250.13	6	6	6	6	6	6
	60	6.03	21.25	89.90	252.44	6	6	6	6	6	6
	65	6.53	23.02	89.90	254.76	6	6	6	6	6	6
	70	7.03	24.79	89.90	257.08	6	6	6	6	6	6
	75	7.53	26.56	89.90	259.39	6	6	6	6	6	6
	80	8.04	28.33	89.90	261.71	6	6	6	6	6	6
	85	8.54	30.10	89.90	264.03	6	6	6	6	6	6
	90	9.04	31.88	89.90	266.34	6	6	6	6	6	6
	95	9.54	33.65	89.90	268.66	6	6	6	6	6	6
108	100	10.05	35.42	89.90	270.98	6	6	6	6	6	6
	105	10.55	37.19	89.90	273.29	6	6	6	6	6	6
	110	11.05	38.96	89.90	275.61	6	6	6	6	6	6
	115	11.55	40.73	89.90	277.93	6	6	6	6	6	6
	35	3.76	13.13	0.00	17.17	6	6	6	6	6	6
	40	4.30	15.00	0.00	19.62	6	6	6	6	6	6
	45	4.84	16.88	0.00	22.08	6	6	6	6	6	6
	50	5.38	18.75	94.18	259.88	6	6	6	6	6	6
	55	5.91	20.63	94.18	262.33	6	6	6	6	6	6
	60	6.45	22.50	94.18	264.78	6	6	6	6	6	6
	65	6.99	24.38	94.18	267.24	6	6	6	6	6	6
	70	7.53	26.25	94.18	269.69	6	6	6	6	6	6
	75	8.06	28.13	94.18	272.14	6	6	6	6	6	6
	80	8.60	30.00	94.18	274.60	6	6	6	6	6	6
	85	9.14	31.88	94.18	277.05	6	6	6	6	6	6
	90	9.68	33.75	94.18	279.50	6	6	6	6	6	6
114	95	10.21	35.63	94.18	281.96	6	6	6	6	6	6
	100	10.75	37.50	94.18	284.41	6	6	6	6	6	6
	105	11.29	39.38	94.18	286.86	6	6	6	6	6	6
	110	11.83	41.25	94.18	289.31	6	6	6	6	6	6
	115	12.36	43.13	94.18	291.77	6	6	6	6	6	6
	35	4.02	13.85	0.00	18.12	6	6	6	6	6	6
	40	4.59	15.83	0.00	20.71	6	6	6	6	6	6
	45	5.17	17.81	98.22	268.73	6	6	6	6	6	6
	50	5.74	19.79	98.22	271.32	6	6	6	6	6	6
	55	6.32	21.77	98.22	273.91	6	6	6	6	6	6
	60	6.89	23.75	98.22	276.50	6	6	6	6	6	6
	65	7.47	25.73	98.22	279.09	6	6	6	6	6	6
	70	8.04	27.71	98.22	281.68	6	6	6	6	6	6
	75	8.61	29.69	98.22	284.27	6	6	6	6	6	6
	80	9.19	31.67	98.22	286.86	6	6	6	6	6	6
	85	9.76	33.65	98.22	289.45	6	6	6	6	6	6
	90	10.34	35.63	98.22	292.04	6	6	6	6	6	6
	95	10.91	37.60	98.22	294.63	6	6	6	6	6	6
	100	11.49	39.58	98.22	297.22	6	6	6	6	6	6

TYPICAL HORIZONTAL SECTIONS INSET MOUNT



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.

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-0410.05
Approval Date 06/25/2020
By *[Signature]*
Miami-Dade Product Control

PREPARED BY:



BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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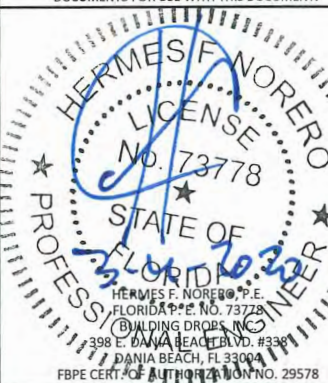
**STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)**
**TYP. HORIZONTAL SECTION - INSET
MOUNT ANCHOR SPACING TABLE**

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970

**ALUTECH
UNITED, INC.**

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL 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.



DATE: 01.06.20
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: ALU003
SHEET: OF 2

PREPARED BY:



BUILDING DROPS, INC.

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FAX: (954)744.4738
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TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)

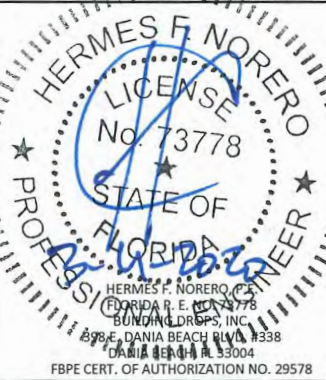
ANCHOR SCHEDULE - INSET MOUNT

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970



REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL 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.



DATE:	01.06.20
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALU003
SHEET:	OF 1

12

TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING F CHANNEL INSET - MOUNT 3					
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F
120	35	4.29	14.58	0.00	19.08	6	6	6	6	6	6
	40	4.90	16.67	0.00	21.80	6	6	6	6	6	6
	45	5.51	18.75	102.00	279.41	6	6	6	6	6	6
	50	6.13	20.83	102.00	282.13	6	6	6	6	6	6
	55	6.74	22.92	102.00	284.86	6	6	6	6	6	6
	60	7.35	25.00	102.00	287.58	6	6	6	6	6	6
	65	7.97	27.08	102.00	290.31	6	6	6	6	6	6
	70	8.58	29.17	102.00	293.04	6	6	6	6	6	6
	75	9.19	31.25	102.00	295.76	6	6	6	6	6	6
	80	9.80	33.33	102.00	298.49	6	6	6	6	6	6
	85	10.42	35.42	102.00	301.21	6	6	6	6	6	6
132	90	11.03	37.50	102.00	303.94	6	6	6	6	6	6
	95	11.64	39.58	102.00	306.66	6	6	6	6	6	6
	100	12.25	41.67	102.00	309.39	6	6	6	6	6	6
	105	12.87	43.75	102.00	312.11	6	6	6	6	6	6
	110	13.48	45.83	102.00	314.84	6	6	6	6	6	6
	35	4.87	16.04	0.00	20.99	6	6	6	6	6	6
	40	5.56	18.33	108.79	295.83	6	6	6	6	6	6
	45	6.26	20.63	108.79	298.83	6	6	6	6	6	6
	50	6.95	22.92	108.79	301.83	6	6	6	6	6	6
	55	7.65	25.21	108.79	304.82	6	6	6	6	6	6
	60	8.34	27.50	108.79	307.82	6	6	6	6	6	6
144	65	9.04	29.79	108.79	310.82	6	6	6	6	6	6
	70	9.73	32.08	108.79	313.82	6	6	6	6	6	6
	75	10.43	34.38	108.79	316.82	6	6	6	6	6	6
	80	11.12	36.67	108.79	319.81	6	6	6	6	6	6
	85	11.82	38.96	108.79	322.81	6	6	6	6	6	6
	90	12.51	41.25	108.79	325.81	6	6	5	6	6	6
	95	13.21	43.54	108.79	328.81	6	6	5	6	6	6
	100	13.90	45.83	108.79	331.81	6	6	5	6	6	6
	105	14.60	48.13	108.79	334.80	6	6	5	6	6	6
	35	5.50	17.50	0.00	22.89	6	6	6	6	6	6
	40	6.29	20.00	114.53	312.36	6	6	6	6	6	6
156	45	7.07	22.50	114.53	315.63	6	6	6	6	6	6
	50	7.86	25.00	114.53	318.90	6	6	6	6	6	6
	55	8.64	27.50	114.53	322.18	6	6	6	6	6	6
	60	9.43	30.00	114.53	325.45	6	6	6	6	6	6
	65	10.22	32.50	114.53	328.72	6	6	6	6	6	6
	70	11.00	35.00	114.53	331.99	6	6	5	6	6	6
	75	11.79	37.50	114.53	335.26	6	6	5	6	6	6
	80	12.57	40.00	114.53	338.53	6	6	5	6	6	6
	85	13.36	42.50	114.53	341.80	6	6	5	6	6	6
	90	14.14	45.00	114.53	345.07	6	6	5	6	6	6
	95	14.93	47.50	114.53	348.34	6	6	5	6	6	6
168	100	15.72	50.00	114.53	351.61	6	6	5	6	6	6
	35	6.20	18.96	119.22	322.71	6	6	6	6	6	6
	40	7.09	21.67	119.22	326.25	6	6	6	6	6	6
	45	7.97	24.38	119.22	329.79	6	6	6	6	6	6
	50	8.86	27.08	119.22	333.34	6	6	6	6	6	6
	55	9.75	29.79	119.22	336.88	6	6	5	6	6	6
	60	10.63	32.50	119.22	340.42	6	6	5	6	6	6
	65	11.52	35.21	119.22	343.97	6	6	5	6	6	6
	70	12.40	37.92	119.22	347.51	6	6	5	6	6	6
	75	13.29	40.63	119.22	351.05	6	6	5	6	6	6
	80	14.18	43.33	119.22	354.59	6	6	5	6	6	6
180	85	15.06	46.04	119.22	358.14	6	6	5	6	6	6
	90	15.95	48.75	119.22	361.68	6	6	4	6	6	6
	95	16.83	51.46	119.22	365.22	6	6	4	6	6	5

TABLE 4 - ANCHOR SPACING						ANCHOR TYPE & SPACING F CHANNEL INSET - MOUNT 3					
FW	DP	Vx	Vy	Vs	Ts	A	B	C	D	E	F
168	35	6.98	20.42	0.00	26.71	6	6	6	6	6	6
	40	7.98	23.33	15.35	68.89	6	6	6	6	6	6
	45	8.98	26.25	27.30	102.55	6	6	6	6	6	6
	50	9.97	29.17	36.85	130.24	6	6	6	6	6	6
	55	10.97	32.08	44.67	153.59	6	6	6	6	6	6
	60	11.97	35.00	51.18	173.68	6	6	6	6	6	6
	65	12.96	37.92	56.69	191.27	6	6	6	6	6	6
	70	13.96	40.83	61.42	206.89	6	6	6	6	6	6
	75	14.96	43.75	65.51	220.93	6	6	6	6	6	6
	80	15.96	46.67	69.09	233.70	6	6	6	6	6	6
	85	16.95	49.58	72.25	245.42	6	6	6	6	6	6
180	90	17.95	52.50	75.06	256.25	6	6	6	6	6	6
	35	7.85	21.88	0.00	28.62	6	6	6	6	6	6
	40	8.97	25.00	15.67	71.86	6	6	6	6	6	6
	45	10.10	28.13	27.86	106.41	6	6	6	6	6	6
	50	11.22	31.25	37.61	134.86	6	6	6	6	6	6
	55	12.34	34.38	45.59	158.89	6	6	6	6	6	6
	60	13.46	37.50	52.24	179.59	6	6	6	6	6	6
	65	14.58	40.63	57.86	197.73	6	6	6	6	6	6
	70	15.70	43.75	62.68	213.87	6	6	6	6	6	6
	75	16.83	46.88	66.86	228.40	6	6	6	6	6	6
	80	17.95	50.00	70.52	241.62	6	6	6	6	6	6
192	35	8.83	23.33	0.00	30.53	6	6	6	6	6	6
	40	10.10	26.67	15.85	74.49	6	6	6	6	6	6
	45	11.36	30.00	28.17	109.65	6	6	6	6	6	6
	50	12.62	33.33	38.04	138.65	6	6	6	6	6	6
	55	13.88	36.67	46.10	163.18	6	6	6	6	6	6
	60	15.14	40.00	52.83	184.34	6	6	6	6	6	6
	65	16.41	43.33	58.52	202.91	6	6	6	6	6	6
	70	17.67	46.67	63.39	219.46	6	6	6	6	6	6
	75	18.93	50.00	67.62	234.38	6	6	6	6	6	6
	80	20.19	53.33	71.32	247.98	6	6	6	6	6	6
	35	12.01	26.25	16.87	76.49	6	6	6	6	6	6
216	40	13.72	30.00	29.52	113.00	6	6	6	6	6	6
	45	15.44	33.75	39.35	142.49	6	6	6	6	6	6
	50	17.15	37.50	47.23	167.07	6	6	6	6	6	6
	55	18.87	41.25	53.67	188.06	6	6	6	6	6	6
	60	20.58	45.00	59.03	206.38	6	6	6	6	6	6
	65	22.30	48.75	63.57	222.63	6	6	6	6	6	6
	35	16.42	26.25	12.33	65.16	6	6	6	6	6	6
	40	18.77	30.00	21.58	93.17	6	6	6	6	6	6
	45	21.11	33.75	28.77	116.06	6	6	6	6	6	6
	50	23.46	37.50	34.53	135.34	6	6	6	6	6	6
	55	25.80	41.25	39.24	152.01	6	6	6	6	6	6
240	35	22.98	26.25	8.81	56.36	6	6	6	6	6	6
	40	26.27	30.00	15.42	77.78	6	6	6	6	6	6
	45	29.55	33.75	20.56	95.53	6	6	6	6	6	6
288	35	33.77	35.00	10.66	72.43	6	6	6	6	6	6

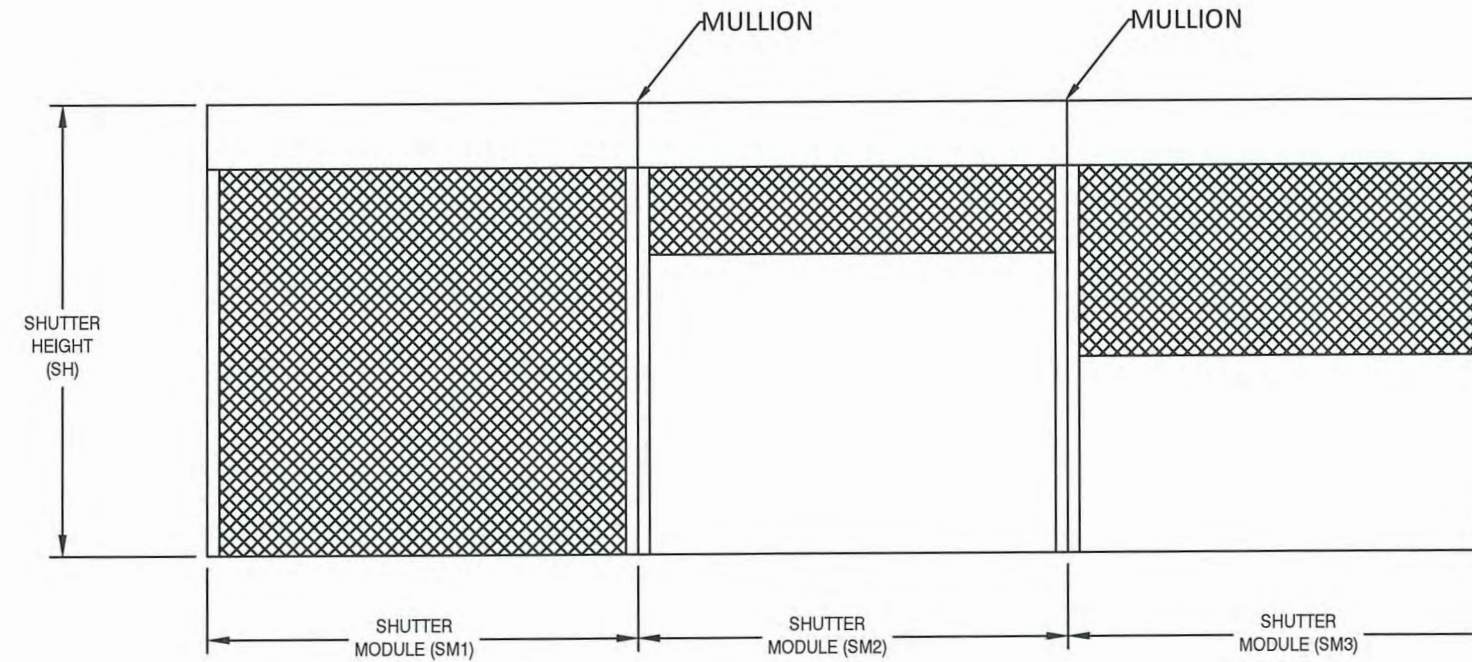
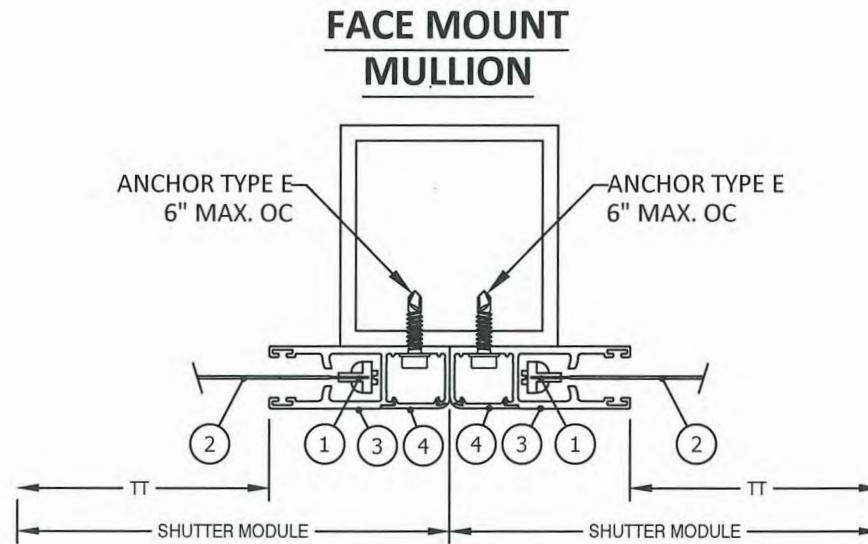
PRODUCT APPROVED
as complying with the Florida
Building Code

NOA-No. 20-0410.05

Approval Date 06/25/2020

By *H. G. A. N. b.*
Miami-Dade Product Control

EQUALLY SPACED MULLIONS SELECTION



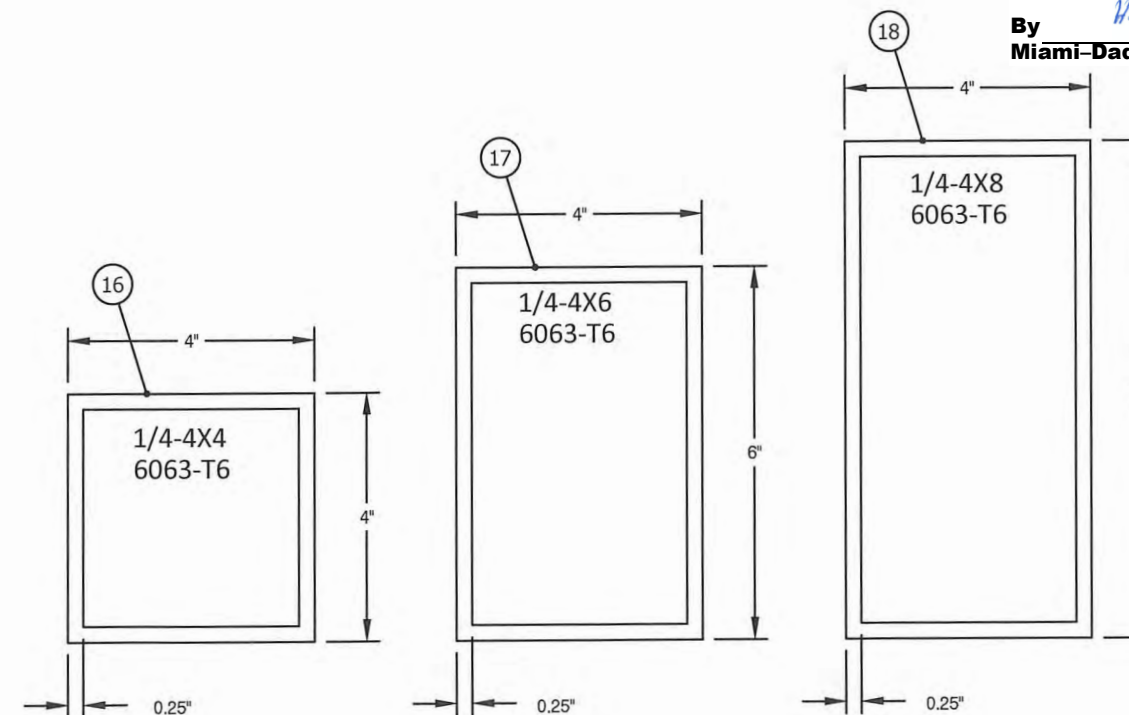
SM1 = SM2 = SM3

MAXIMUM MULLION DESIGN PRESSURE (PSF)

FW Max.	1/4-4x8 MULLION SPAN			1/4-4x6 MULLION SPAN			1/4-4x4 MULLION SPAN		
	144	120	96	144	120	96	144	120	96
288	34	35	35	N/A	29	35	N/A	N/A	21
264	37	45	45	N/A	31	45	N/A	N/A	23
240	41	55	55	20	35	55	N/A	N/A	25
216	45	65	65	22	39	65	N/A	N/A	28
192	51	75	80	25	43	77	N/A	N/A	32
180	54	80	85	27	46	82	N/A	N/A	34
168	58	85	90	29	50	88	N/A	N/A	36
156	63	92	95	31	54	94	N/A	20	39
144	68	100	100	33	58	100	N/A	22	42
132	74	105	105	36	63	105	N/A	24	46
120	82	110	110	40	70	110	N/A	26	51
114	86	110	110	42	73	110	N/A	27	54
108	91	115	115	45	78	115	N/A	29	57
102	97	115	115	47	82	115	N/A	31	60
96	103	120	120	50	87	120	N/A	33	64

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.



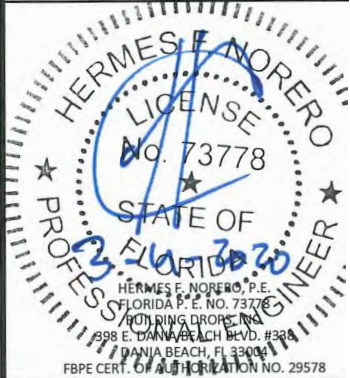
PRODUCT APPROVED
as complying with the Florida
Building Code

NOA-No. 20-0410.05

Approval Date 06/25/2020

By *H. A. Norero*
Miami-Dade Product Control

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL IN NATURE 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.



DATE: 01.06.20

DWG. BY: RV

CHK. BY: HFN

SCALE: NTS

DWG. #: ALU003

SHEET: OF :

13

PREPARED BY:



BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

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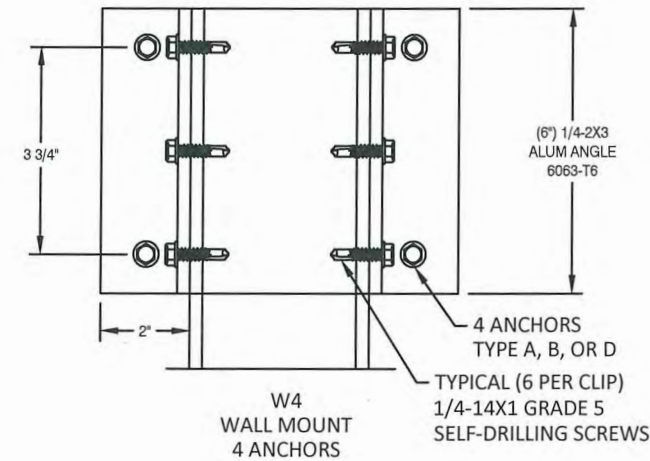
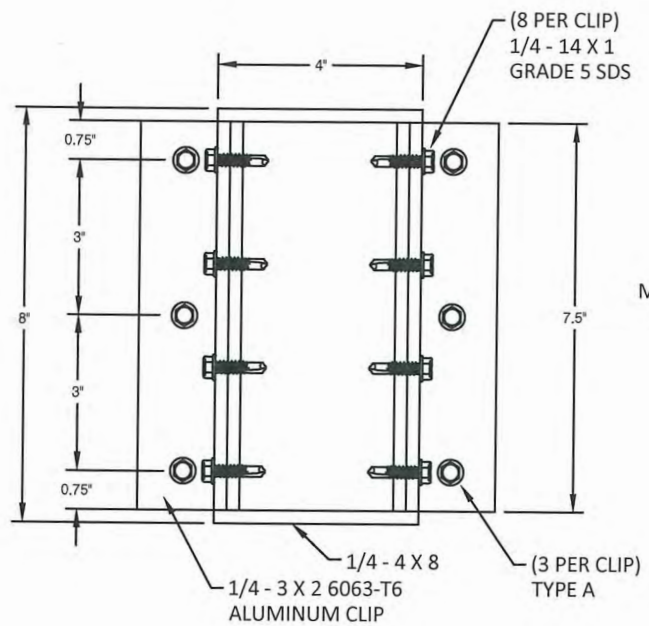
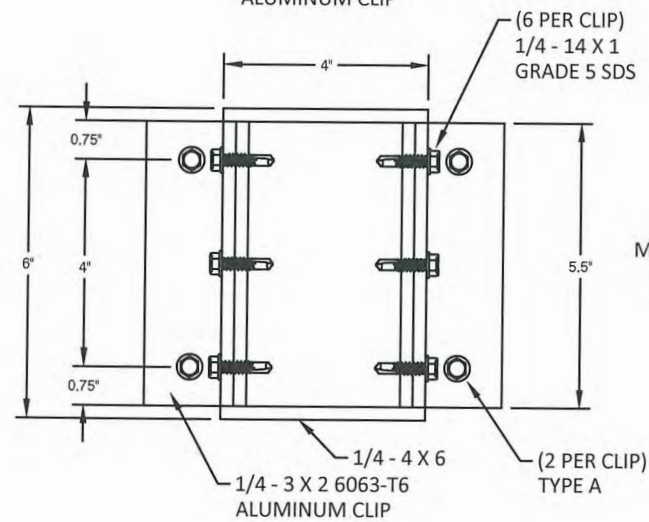
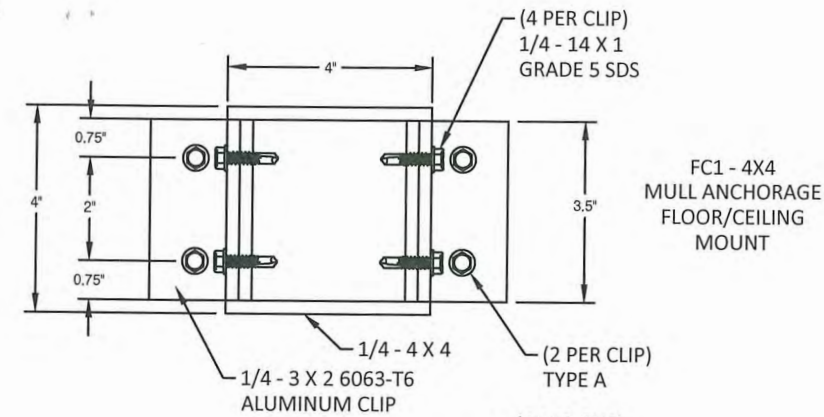
TITLE: STORM TEX SCREEN SYSTEM (IMPACT) (HVHZ)

EQUALLY SPACED MULLIONS

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970



EQUALLY SPACED MULLIONS WALL AND INSET CONNECTIONS

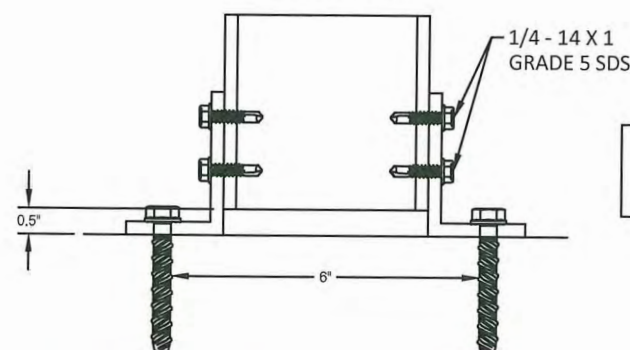


ANCHOR TYPE	WALL MOUNT ANCHOR SELECTION		
	MULLION TYPE		
A	4X4	4X6	4X8
B	W4	N/A	N/A
D	W4	N/A	N/A

ANCHOR TYPE	FLOOR/CEILING MOUNT ANCHOR SELECTION		
	MULLION TYPE		
A	4X4	4X6	4X8
	FC1	FC2	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"



PREPARED BY:



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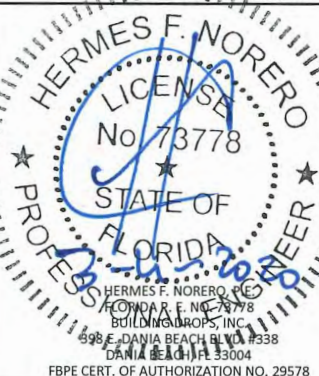
TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)
EQUALLY SPACED MULLION
ANCHORS

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970



REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL 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 TO BE USED WITH THIS DOCUMENT.



PRODUCT APPROVED
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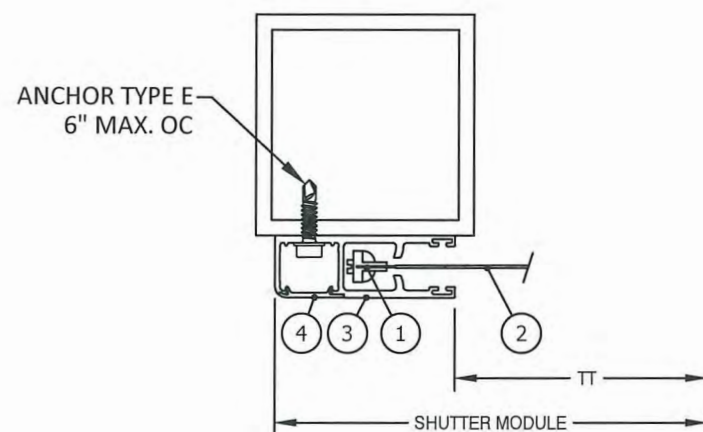
NOA-No. 20-0410.05

Approval Date 06/25/2020

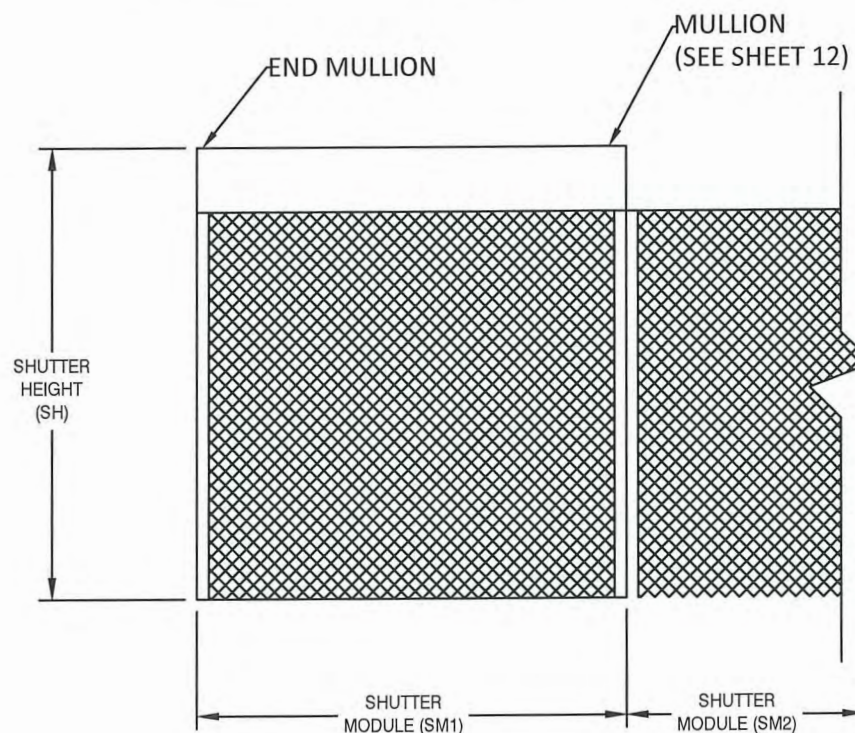
By *H. A. Norero*
Miami-Dade Product Control

DATE: 01.06.20	CHK. BY: HFN
DWG. BY: RV	
SCALE: NTS	
DWG. #: ALU003	
SHEET: 14	OF 14

FACE MOUNT MULLION



END MULLION SELECTION



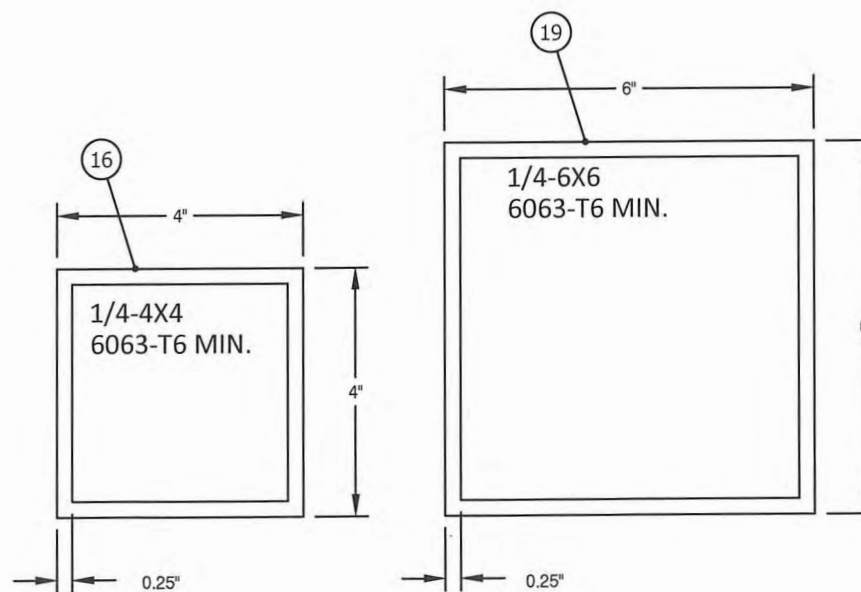
SM1 = SM2

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.
96	120	12.00	12.00
102	115	12.00	12.00
108	115	12.00	12.00
114	110	12.00	12.00
120	110	12.00	12.00
132	105	12.00	12.00
144	100	12.00	12.00
156	95	12.00	12.00
168	90	12.00	12.00
180	85	12.00	12.00
192	80	12.00	12.00
216	65	12.00	12.00
240	55	12.00	12.00
264	45	12.00	12.00
288	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



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-0410.05

Approval Date 06/25/2020

By *H. A. M.*
Miami-Dade Product Control

PREPARED BY:

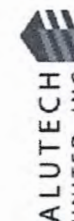


BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)

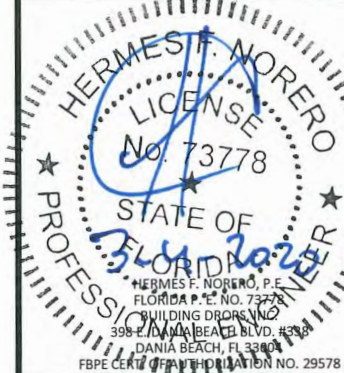
END MULLION

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970



REMARKS BY DAT

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DATE: 01.06.20

DWG. BY: RV

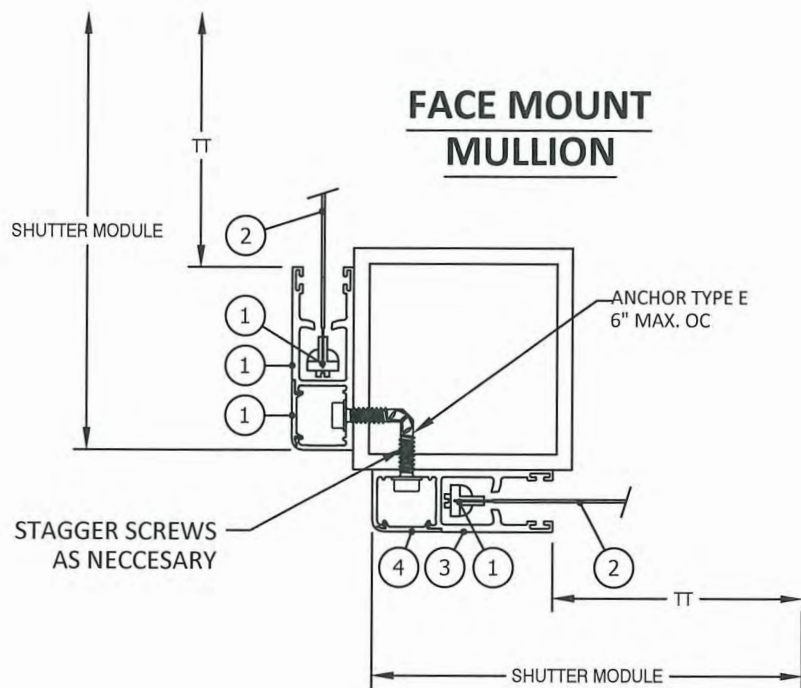
CHK. BY: HFN

SCALE: NTS

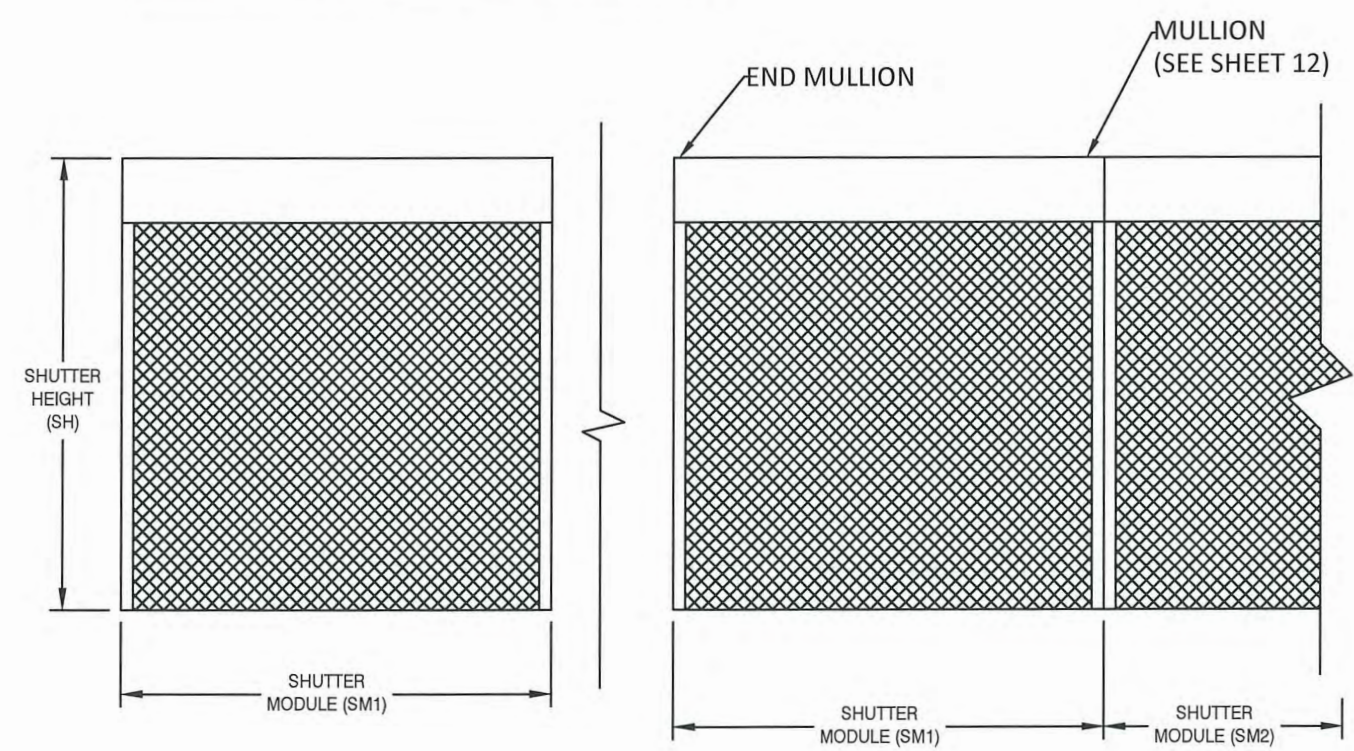
DWG. #: ALU003

SHEET: OF :

15



CORNER MULLION SELECTION

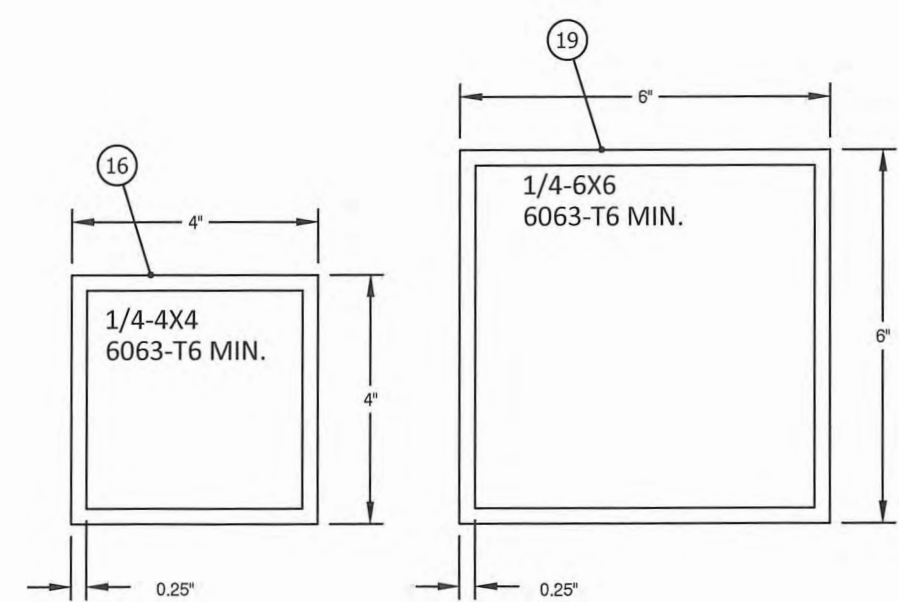


SM1 = SM2 = SM3

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	12.00	12.00
132	135	11.92	12.00
144	125	11.64	12.00
168	100	11.43	12.00
204	75	11.28	12.00
216	55	11.18	12.00
240	50	11.13	12.00
264	45	11.56	12.00
286.5	40	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 CORNER MULLIONS ONLY WITH EQUAL WIDTH SHUTTERS ON BOTH SIDES, UNEQUAL SHUTTERS SHALL BE EVALUATED ON A CASE BY CASE BASIS.



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-0410.05
Approval Date 06/25/2020
By *H. G. A. M. b.*
Miami-Dade Product Control

PREPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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FAX: (954)744.4738
WEB: www.buildingdrops.com

TITLE: STORM TEX SCREEN SYSTEM (IMPACT) (HVHZ)
CORNER MULLION

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970

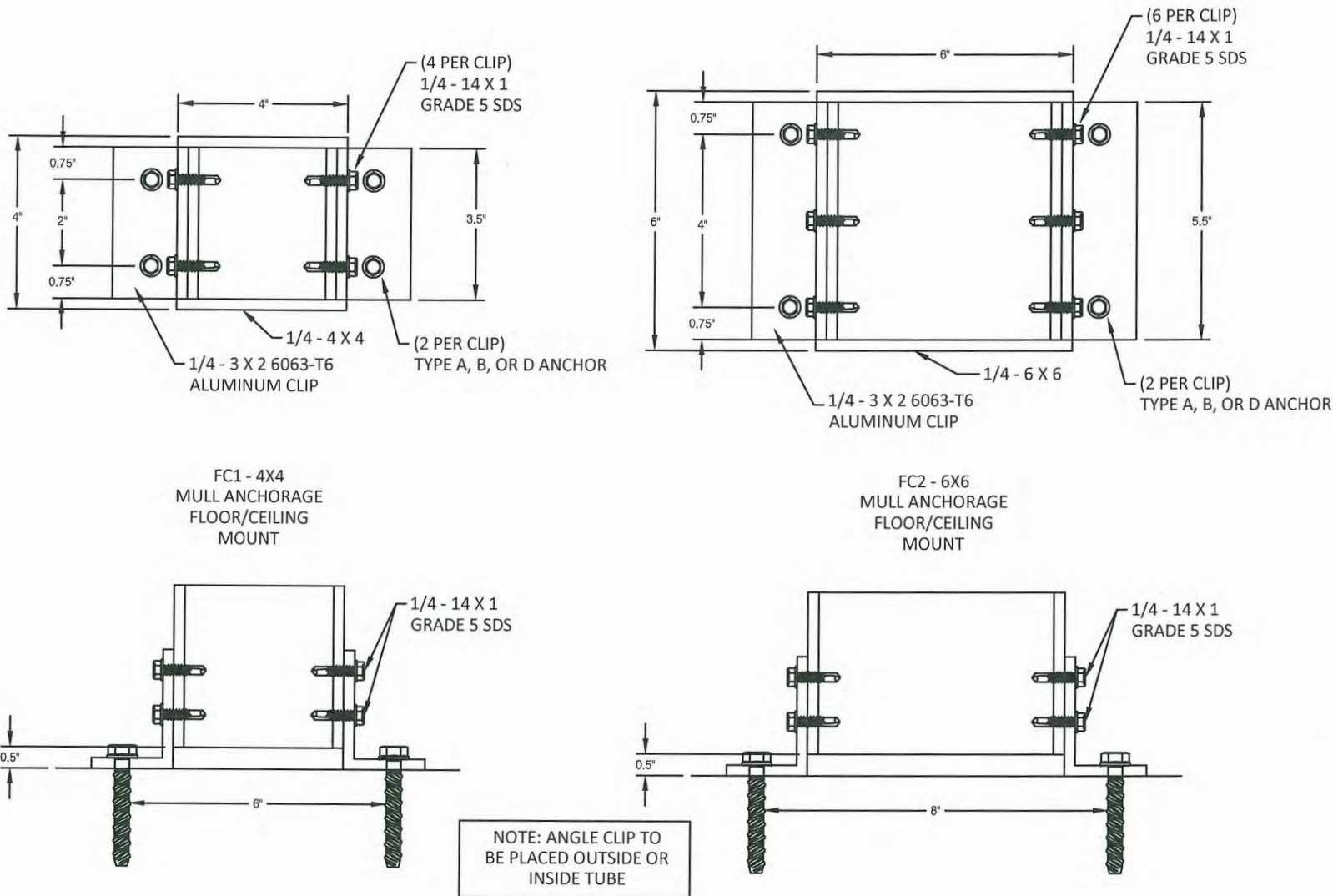
ALUTECH UNITED, INC

REMARKS	BY	DATE

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DATE: 01.06.20	
DWG. BY: RV	CHK. BY: HFN
SCALE: NTS	
DWG. #: ALU003	
SHEET: 16	OF 21

END MULLION AND CORNER MULLION WALL AND INSET CONNECTIONS

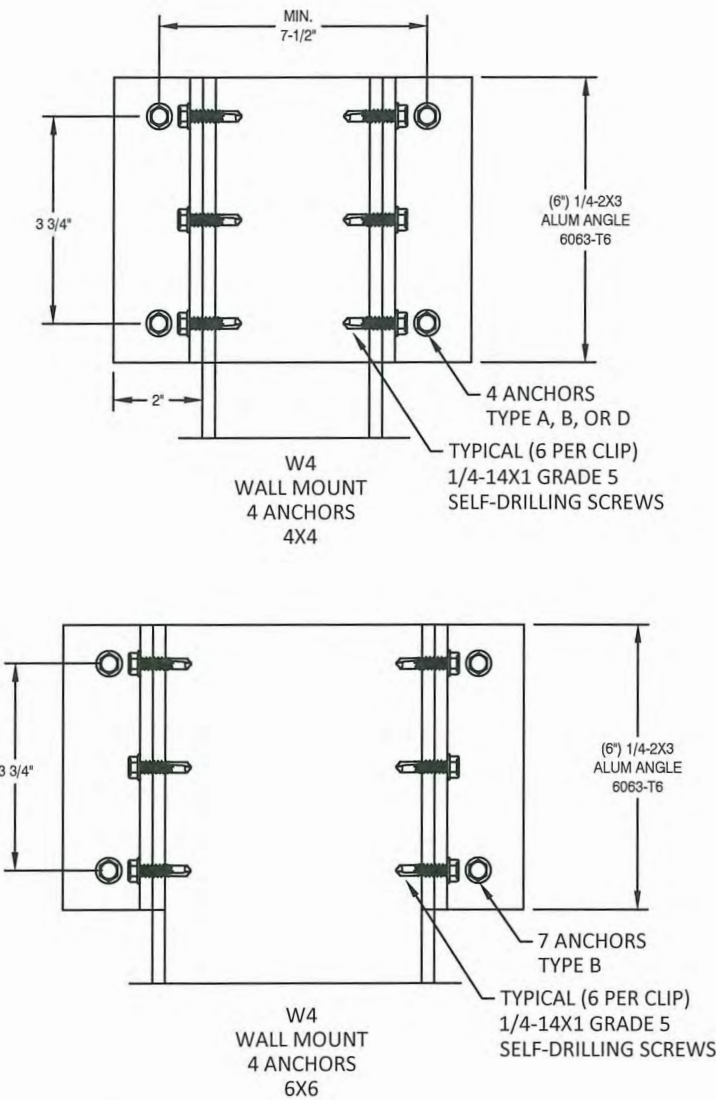


MULL FLOOR/CEILING MOUNT ANCHOR SELECTION				
ANCHOR TYPE	END MULLION TYPE		CORNER MULLION TYPE	
	4X4	6X6	4X4	6X6
A	FC1	FC2	FC1	FC2
B	FC1	FC2	FC1	FC2
D	FC1	FC2	FC1	FC2

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

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-0410.05
Approval Date 06/25/2020
By *W. G. A. Nelson*
Miami-Dade Product Control

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

TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)
END MULLION / CORNER MULLION
CONNECTIONS

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970
ALUTECH UNITED, INC

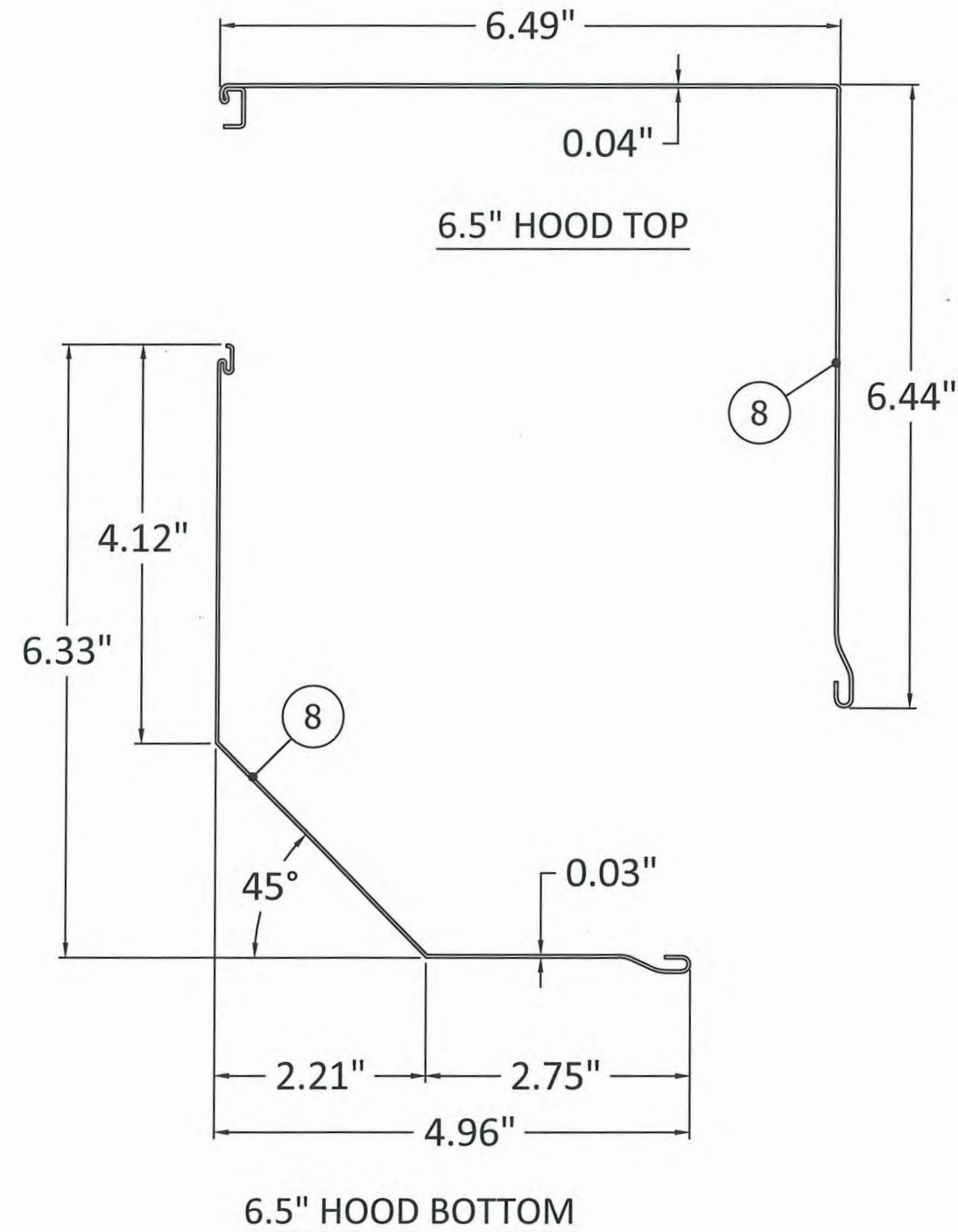
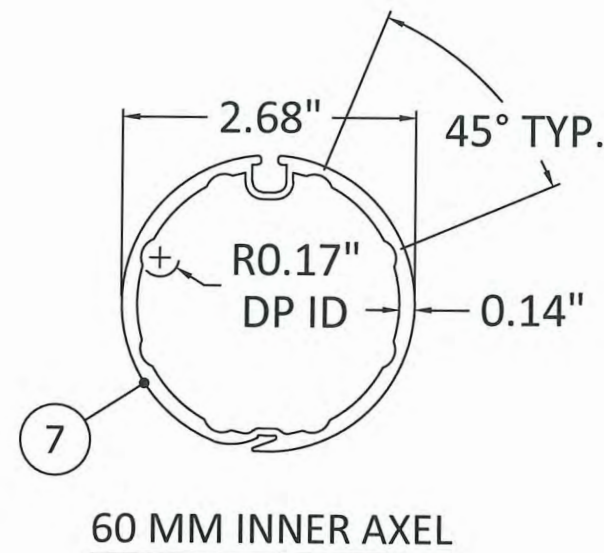
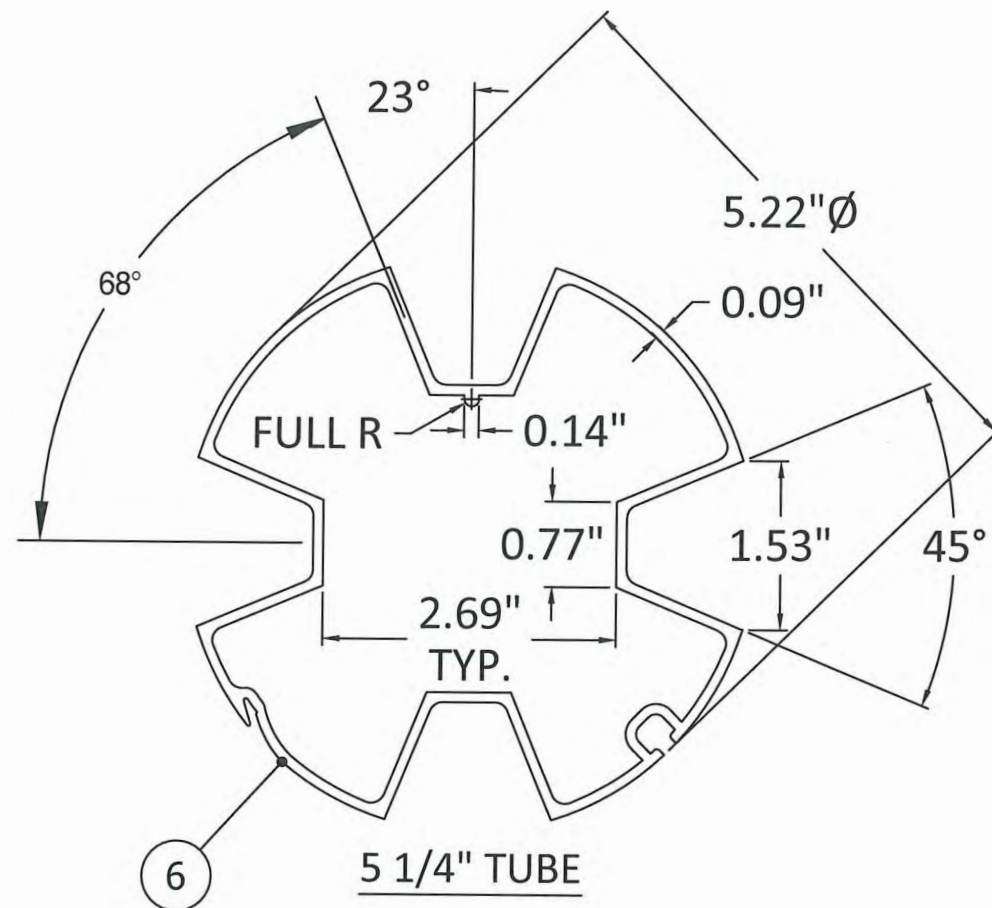
REMARKS	BY	DATE

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DATE:	01.06.20
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALU003
SHEET:	OF :

5.22" TUBE AND 6.5" HOOD DETAILS



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-0410.05
Approval Date 06/25/2020
By *H. A. Alon*
Miami-Dade Product Control

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

TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)
5.22" TUBE & 6.5" HOOD DETAILS

ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970
ALUTECH
UNITED, INC.

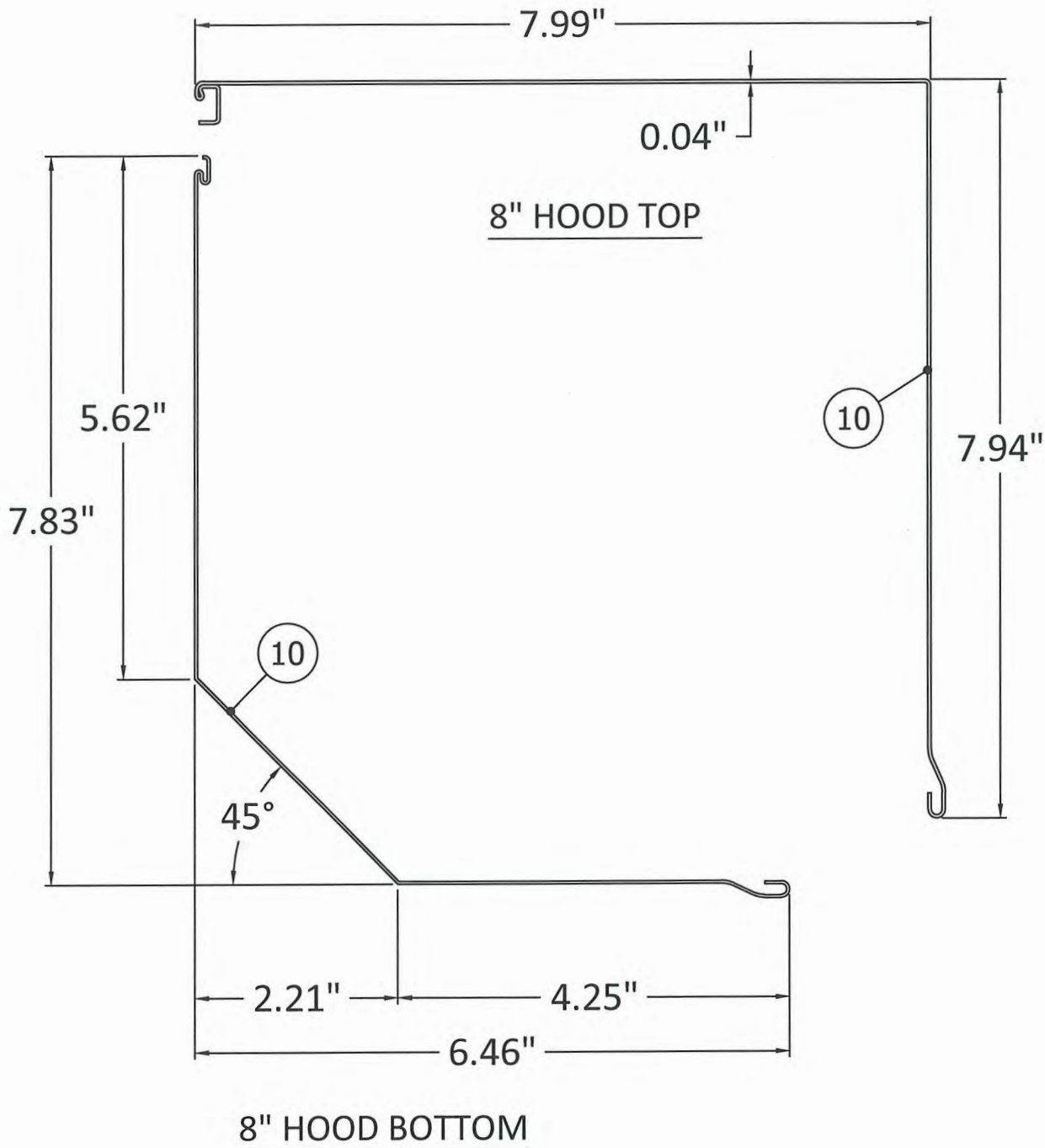
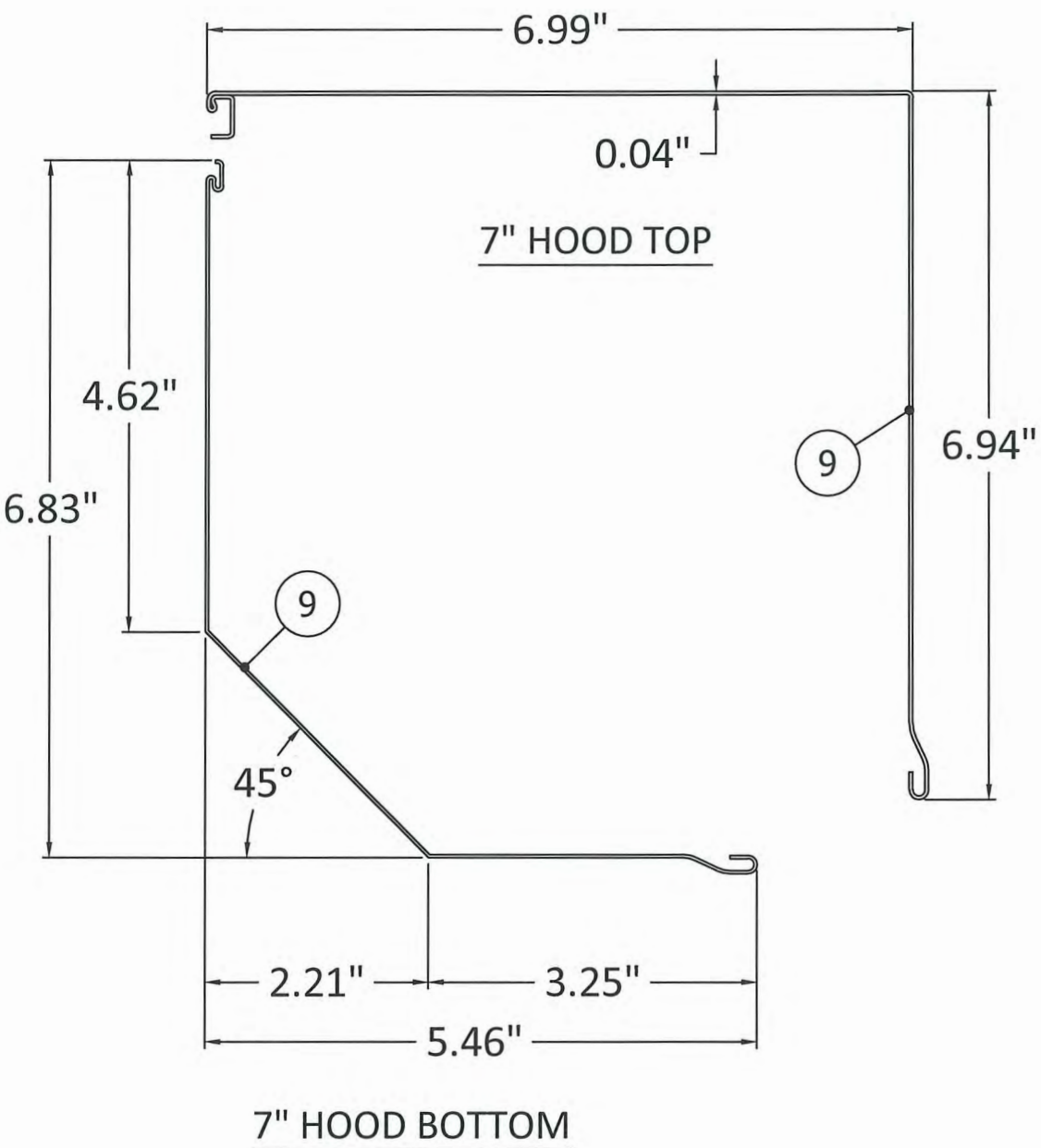
REMARKS	BY	DATE



DATE: 01.06.20	
DWG. BY: RV	CHK. BY: HFN
SCALE: NTS	
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SHEET: OF	

18

7" AND 8" HOOD DETAILS



NOTE:
1. 7" & 8" HEADER COVERS WORK WITH 5 1/4" TUBE AND 60 MM INNER AXEL.

PRODUCT APPROVED
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Approval Date 06/25/2020
By *H. A. M. M.*
Miami-Dade Product Control

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ALUTECH UNITED
1537 NORTHGATE BLVD.
SARASOTA, FLORIDA 34234
PH: 941-355-0970

TITLE: STORM TEX SCREEN SYSTEM (IMPACT) (HVHZ)
7" & 8" HOOD DETAILS

REMARKS	BY	DATE

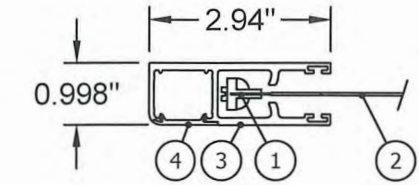
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HERMES F. NORERO
P.E.
FLORIDA P.E. NO. 73778
DATE 06/25/2020
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

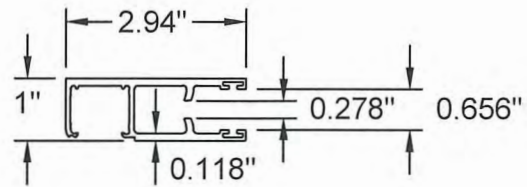
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SCALE: NTS	
DWG. #: ALU003	
SHEET: 19 OF 21	

By W. G. A. Nelson
Miami-Dade Product Control

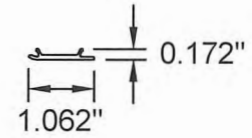
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	PASKAL ZIP KEDER FOR SIDES	POM/NYLON
2	TWITCHELL OMEGA TEX FABRIC	FABRIC
3	SIDE RAIL	ALUMINUM (6061 T6)
4	SNAP IN SCREW COVER	ALUMINUM (6061 T6)
5	3" x 3" x 1/4" ANGLE	ALUMINUM (6061 T6)
6	5.22" TUBE	-
7	60mm INNER AXEL	-
8	6.5" HOOD CAP (TOP & BOTTOM)	-
9	7" HOOD CAP (TOP & BOTTOM)	-
10	8" HOOD CAP (TOP & BOTTOM)	-
11	9" HOOD CAP (TOP & BOTTOM)	-
12	ZIP KEDER	-
13	STANDARD BOTTOM HEMBAR	-
14	ADJUSTABLE BOTTOM HEMBAR	-
15	MINI BOTTOM HEMBAR	-
16	MULLION - 4" x 4" x 1/4"	ALUMINUM (6063 T6)
17	MULLION - 6" x 4" x 1/4"	ALUMINUM (6063 T6)
18	MULLION - 8" x 4" x 1/4"	ALUMINUM (6063 T6)
19	MULLION - 6" x 6" x 1/4"	ALUMINUM (6063 T6)



A WALL MOUNT AND INSET MOUNT



3 SIDE RAIL



4 SNAP IN SCREW COVER

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TITLE: STORM TEX SCREEN SYSTEM
(IMPACT) (HVHZ)
BILL OF MATERIALS &
COMPONENTS
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SARASOTA, FLORIDA 34234
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