

10/19/2023 5:32 PM

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INSTALLATION NOTES:

1. *ONE (1)* INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. FOR INSTALLATION THROUGH 2X BUCK USE #10 WOOD SCREWS. INSTALLATION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

4.1. MINIMUM EMBEDMENT OF 1-1/2" INTO WOOD

4.2. MINIMUM EDGE DISTANCE OF 1/2"

4.3. MINIMUM O.C. DISTANCE OF 3/4"
5. FOR INSTALLATION THROUGH METAL FRAME USE #10 SELF-DRILLING, SAE GR. 5, TYPE SCREWS. INSTALLATION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.

5.1. THREE (3) THREADS MINIMUM PENETRATION BEYOND METAL FRAME WALL.

5.2. MINIMUM EDGE DISTANCE OF 1/2"

5.3. MINIMUM O.C. DISTANCE OF 3/4"
6. FOR INSTALLATION THROUGH MASONRY AND CONCRETE USE, *1/4" TITEN SIMPSON* SCREWS. INSTALLATION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.

5.1. MINIMUM EMBEDMENT 1" MASONRY, 1 1/2" CONCRETE

5.2. MINIMUM EDGE DISTANCE OF 1 1/2"

5.3. MINIMUM O.C. DISTANCE OF 3"
6. FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE SHEATHING, & WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9. ASSEMBLY SCREWS, #10 FH SCREWS, ARE LOCATED THROUGH SPACER CLIPS (ITEM #3) AT 24" O.C.
10. 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.
11. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF *0.42*.

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

C. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

E. STEEL - MINIMUM WALL THICKNESS OF 54 MILS (16 GA.) WHEN THROUGH GUSSET INSTALLATION.

F. ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5)

ANDERSEN CORPORATION

A-SERIES WINDOWS REINFORCED MULLION ASSEMBLY

(WZ3) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC) EXCLUDING HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE CURRENT FBC AND THE FOLLOWING:

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CH 17 OF THE CURRENT EDITION OF FBC
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL 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. 1X AND 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 IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN WIND BORNE DEBRIS REGIONS ZONE 3 OR LESS SUCH THAT ADJOINING WINDOWS **ARE** IMPACT RATED.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** FOR THIS PRODUCT IN WIND BORNE DEBRIS REGION **ZONE 4**.
7. WINDOW FRAME MATERIAL: *PONDEROSA PINE OR EQUIVALENT (S.G.=0.45)*.
8. MULLION MATERIAL: *FIBERGLASS*
9. IN ACCORDANCE WITH CURRENT FBC, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES.
- 10.IN ACCORDANCE WITH THE CURRENT FBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED.
- 11.DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL
- 11.CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.
- 12.MULL ASSEMBLIES ARE QUALIFIED FOR TWO OR MORE UNITS PER OPENING IN THE FOLLOWING CONFIGURATIONS:

"ONE WAY" - RIBBON OR STACKED MULLIONS

"TWO WAY" - 'X' OR 'T' MULLIONS
13. GROUPS I, II, & III CONSIST OF 4-9/16" MULLIONS (ITEM #1A). GROUPS IV, V, & VI CONSIST OF 6-9/16" MULLIONS (ITEM #1B)

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3	MULL ASSEMBLY SECTIONS (2)
4	MULL ASSEMBLY SECTIONS (3)
5	GUSSET - INSTALLATION DETAILS
6	HALF GUSSET - INSTALLATION DETAILS
7	FLAT GUSSET - INSTALLATION DETAILS
8	SLIDE GUSSET - INSTALLATION DETAILS
9	ONE-WAY LOAD TABLE: GROUP I
10	ONE-WAY LOAD TABLE: GROUP II
11	ONE-WAY LOAD TABLE: GROUP III
12	TWO-WAY LOAD TABLE: GROUP I, II, III
13	ONE-WAY LOAD TABLE: GROUP IV
14	ONE-WAY LOAD TABLE: GROUP V
15	ONE-WAY LOAD TABLE: GROUP VI
16	TWO-WAY LOAD TABLE: GROUP IV, V, VI
17	B.O.M. & COMPONENTS
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MULLING INSTRUCTIONS:

- STEP 1: ESTABLISH MULL ASSEMBLY FRAME TYPES AND MULL CONFIGURATION.

STEP 2: VERIFY MULL ASSEMBLY CONSTRUCTION FROM SHEETS 2-4 (REFER TO ABBREVIATION TABLE ABOVE) AND DETERMINE GROUP NUMBER.

STEP 3: DETERMINE ALLOWABLE LOAD OF MULL ASSEMBLY FROM APPLICABLE LOAD TABLE BASED ON MULL GROUP NUMBER, REFER TO SHEETS 9-16.

STEP 4: INSTALL MULLION BASED ON APPLICABLE SPECIFICATIONS SHOWN ON SHEETS 5-8.

MISSILE IMPACT RATING

SMALL AND LARGE MISSILE
IMPACT RATED



100 FOURTH AVE NORTH
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TITLE: A-SERIES REINFORCED
MULLION ASSEMBLY
(WZ3)(IMPACT)

GENERAL AND INSTALLATION NOTES

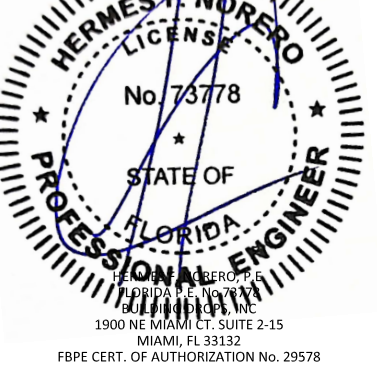


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1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
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REMARKS	BY	DATE
6TH FBC CODE CHANGE	FM	10/17
2023 CODE CHANGE	MS	10/19/23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.20 08:58:42 -0400



FL #:

FL15922

DATE: 10.17.19

DWG. BY:
JA

CHK. BY:
HFN

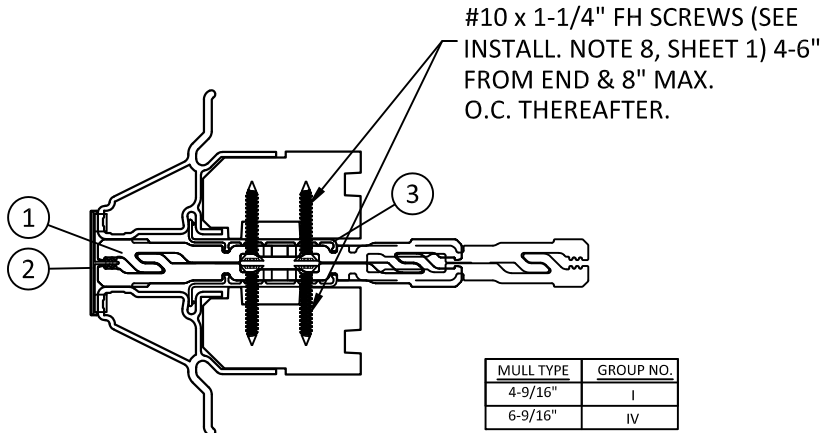
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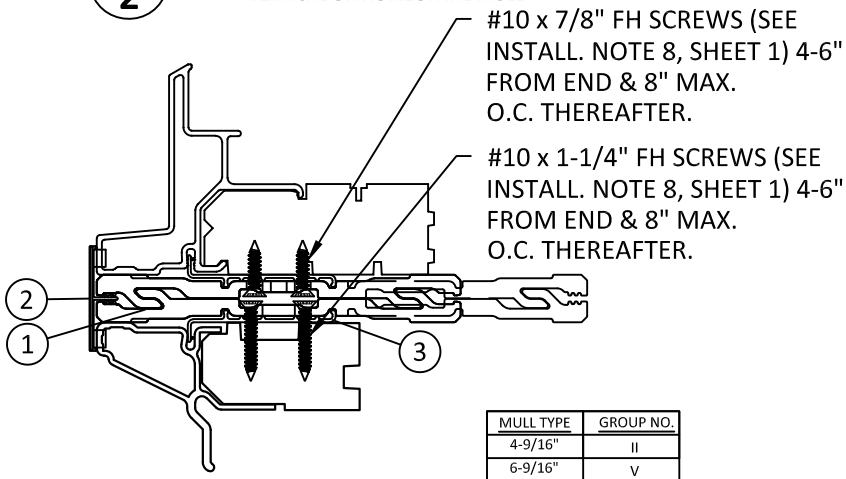
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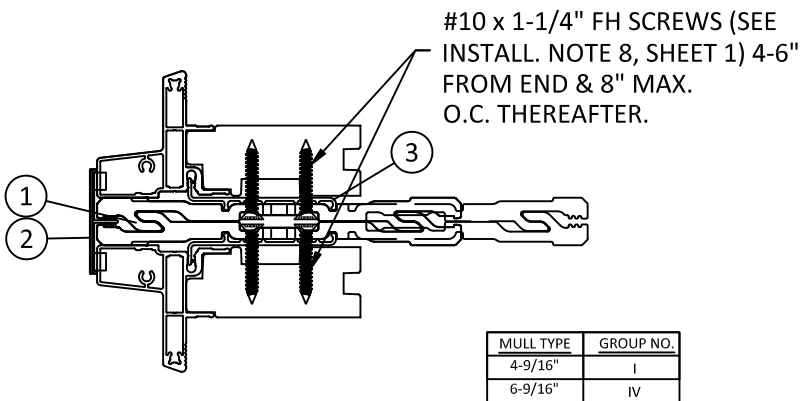
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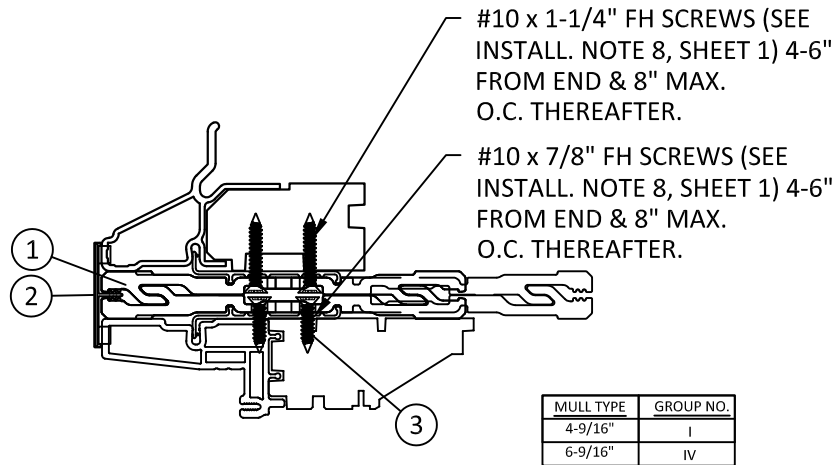
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FLEXI TO FLEXI
VERTICAL OR HORIZONTAL MULL



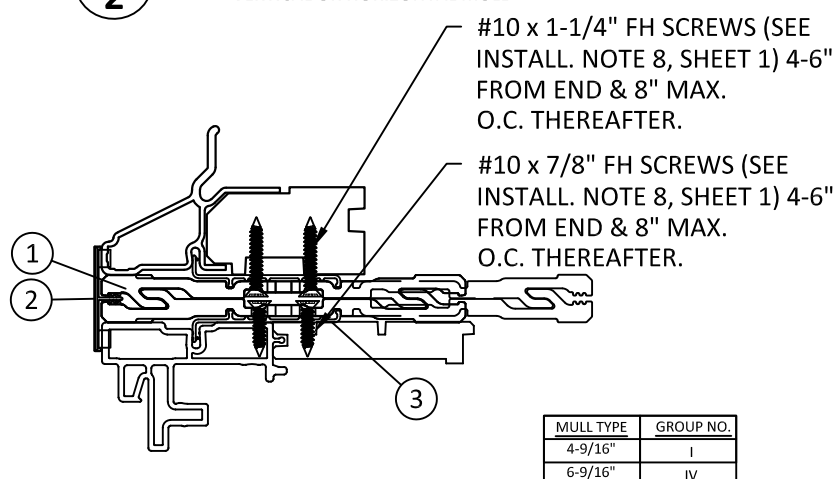
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ATF/APW TO FLEXI
VERTICAL OR HORIZONTAL MULL



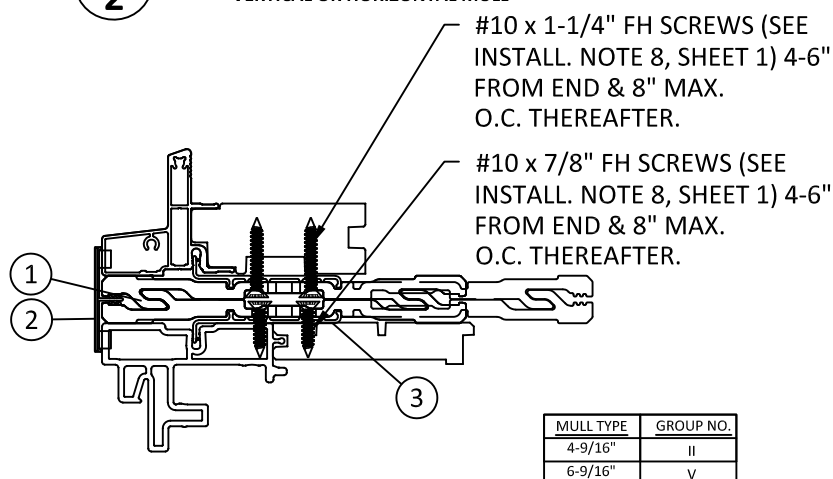
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FW TO FW
VERTICAL OR HORIZONTAL MULL



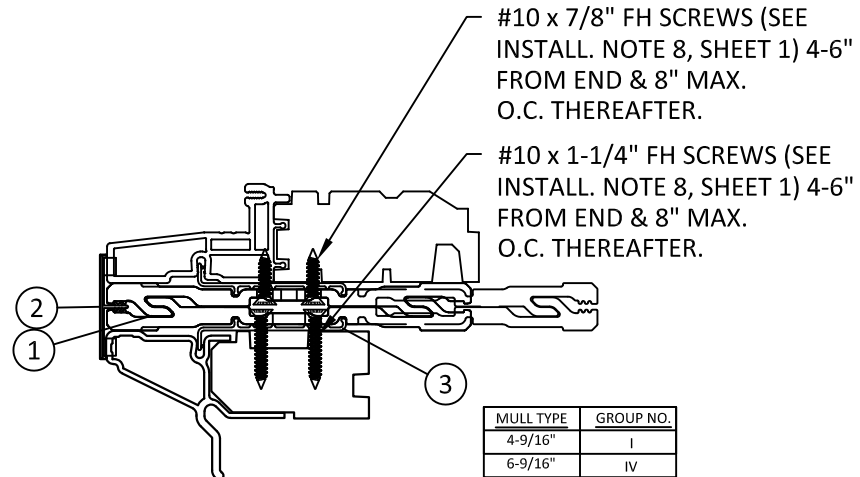
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FLEXI TO AAN/ATV/ACW
VERTICAL OR HORIZONTAL MULL



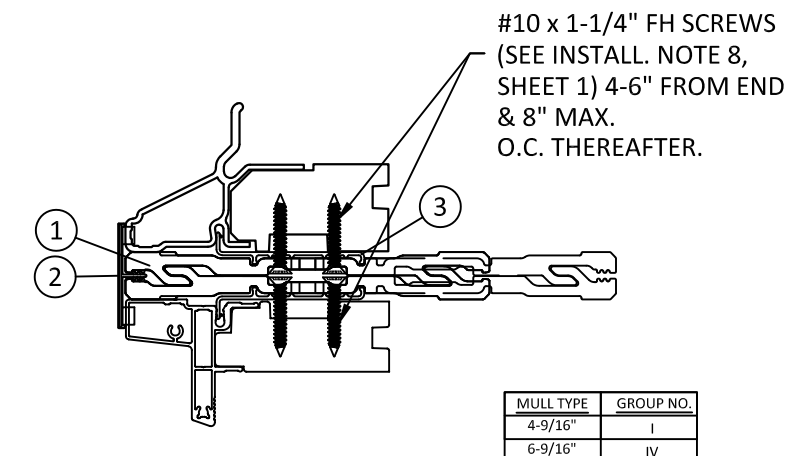
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FLEXI TO ADH
VERTICAL OR HORIZONTAL MULL



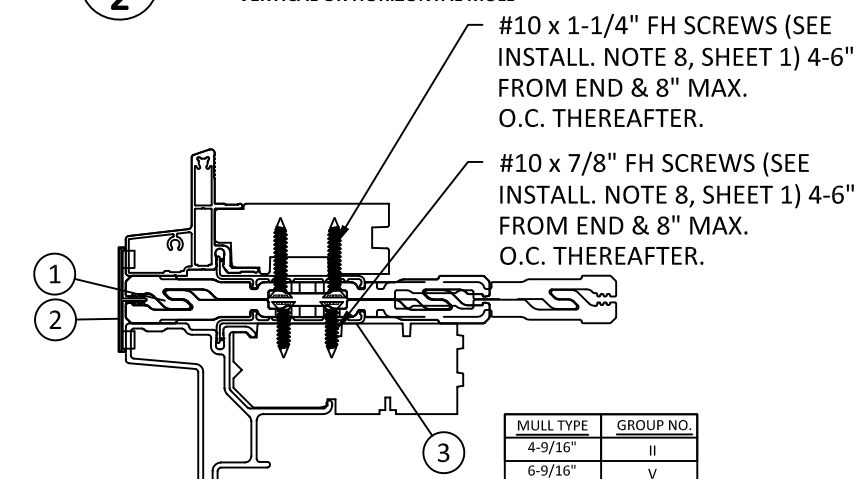
H
2
FW TO ADH
VERTICAL OR HORIZONTAL MULL



C
2
AAN TO FLEXI
VERTICAL OR HORIZONTAL MULL



F
2
FLEXI TO FW
VERTICAL OR HORIZONTAL MULL



I
2
FW TO ATF/APW
VERTICAL OR HORIZONTAL MULL



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TITLE: A-SERIES REINFORCED
MULLION ASSEMBLY
(WZ3)/(IMPACT)
MULL ASSEMBLY SECTIONS (1)

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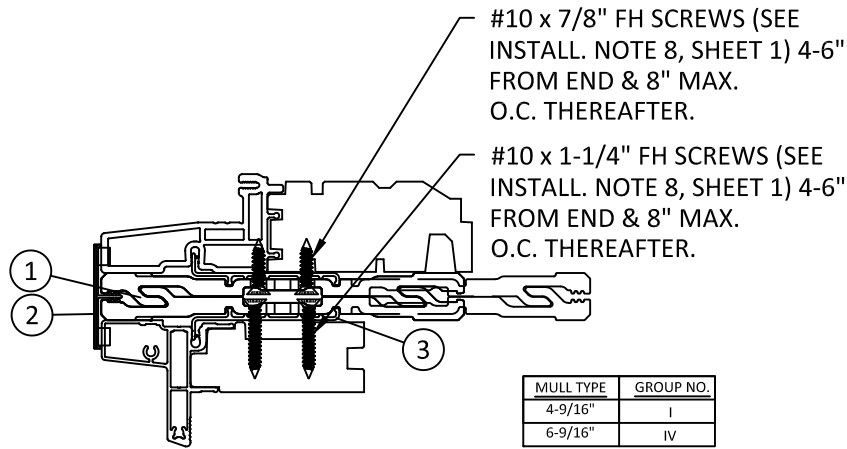


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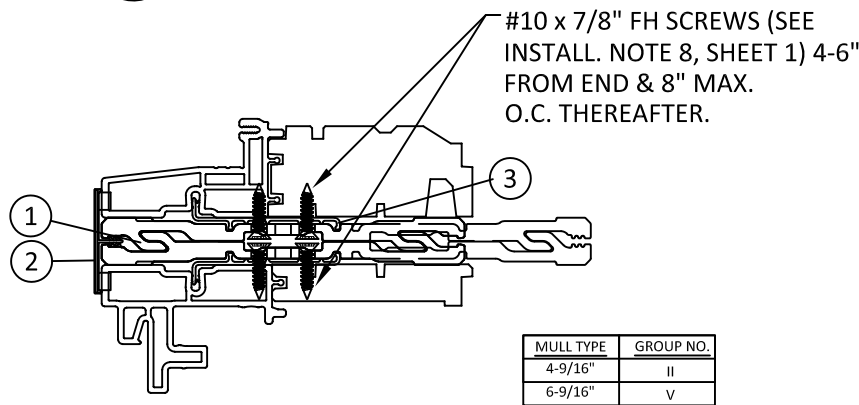


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SHEET:	2



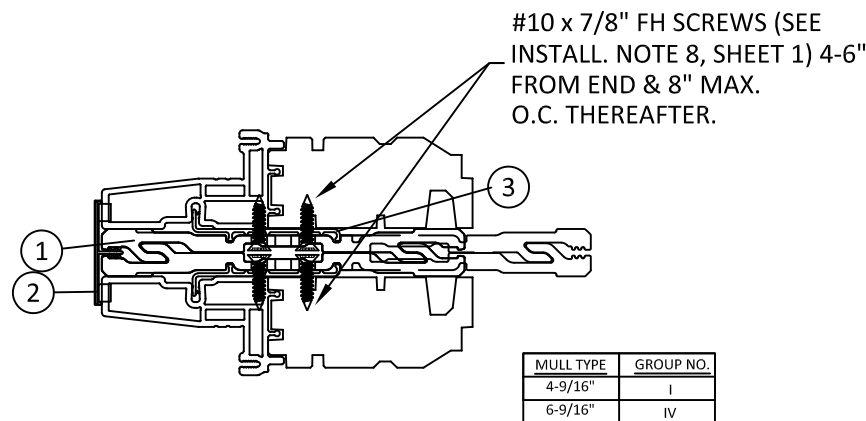
A
3 **AAN/ATV TO FW**
VERTICAL OR HORIZONTAL MULL

B
3 **ACW TO FW**
VERTICAL OR HORIZONTAL MULL



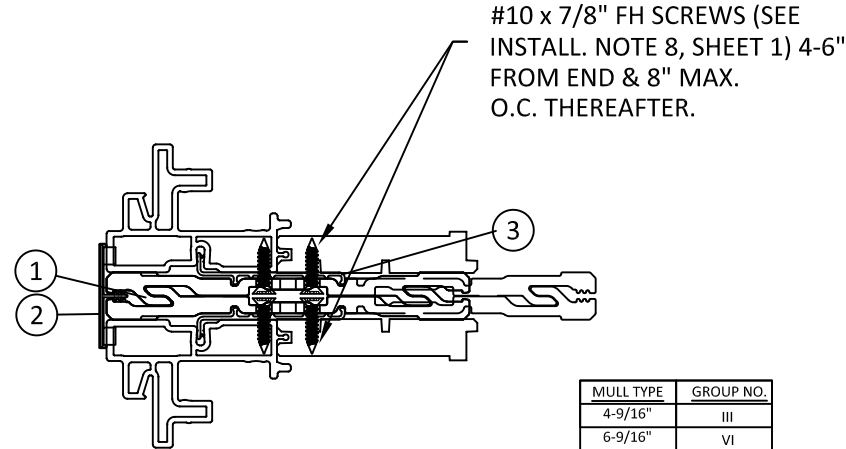
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HORIZONTAL MULL

F
3 **ACW TO ADH**
VERTICAL MULL

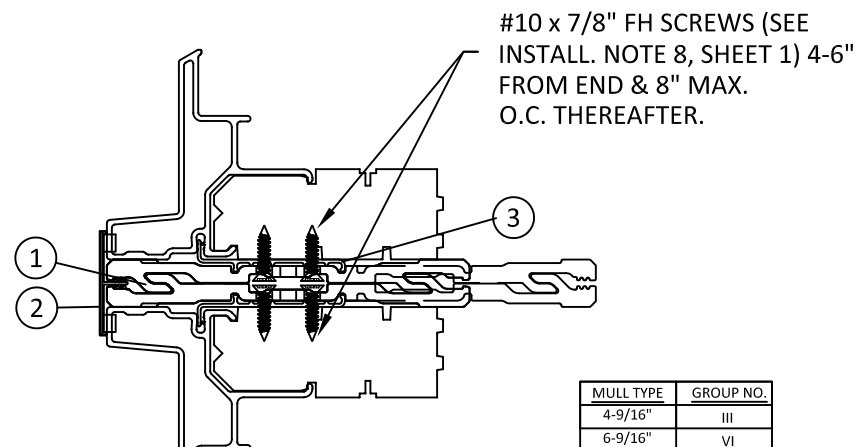


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VERTICAL OR HORIZONTAL MULL

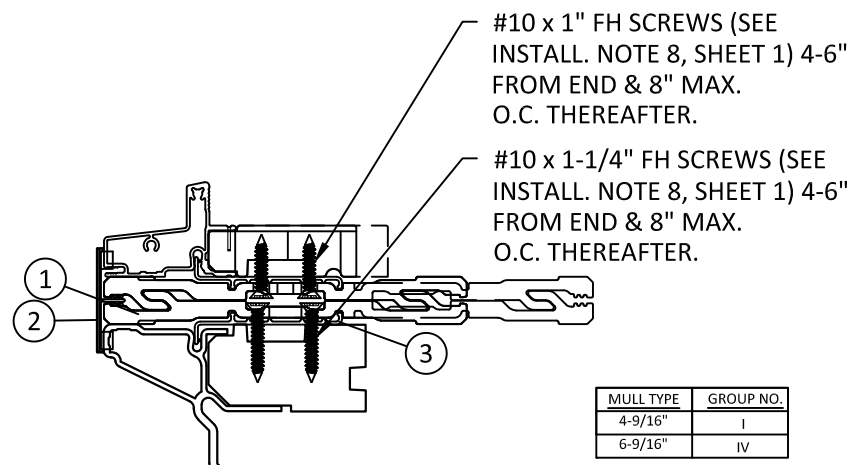
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VERTICAL OR HORIZONTAL MULL



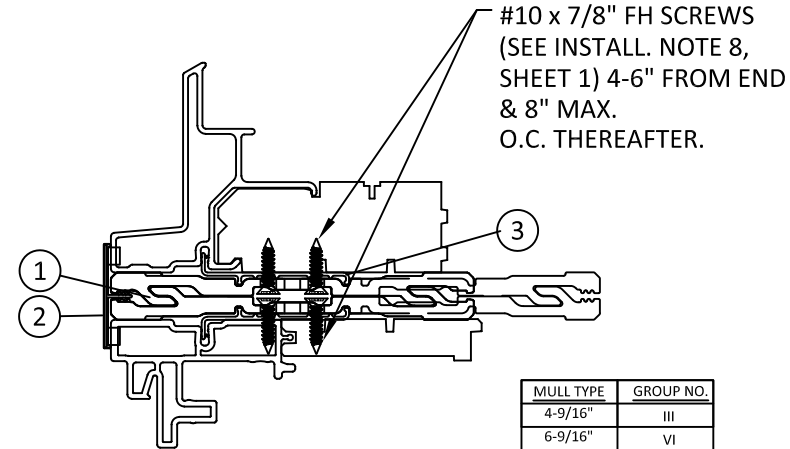
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VERTICAL MULL



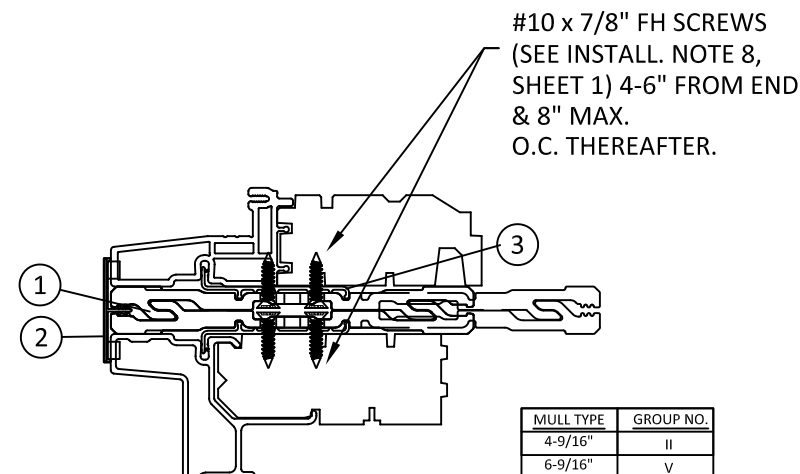
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VERTICAL OR HORIZONTAL MULL



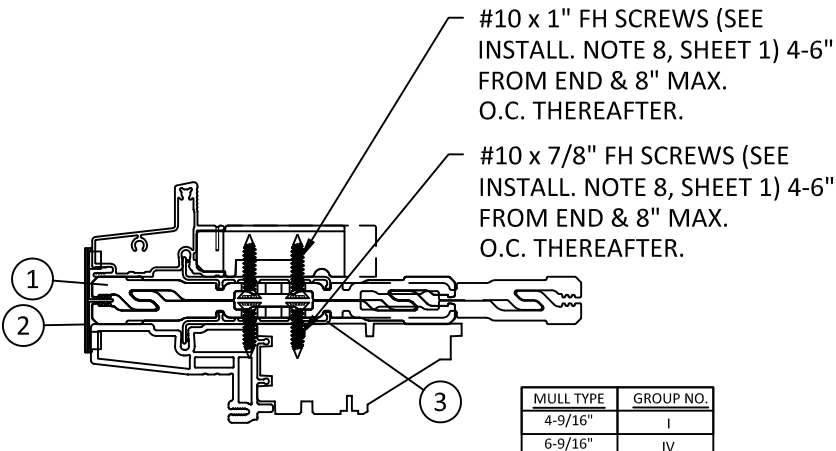
K
3 **ARCH. TO FLEXI**
VERTICAL OR HORIZONTAL MULL



D
3 **ATF/APW TO ADH**
VERTICAL OR HORIZONTAL MULL



H
3 **ATV TO ATF/APW**
VERTICAL OR HORIZONTAL MULL



L
3 **ARCH. TO AAN/ATV**
VERTICAL OR HORIZONTAL MULL

M
3 **ARCH. TO ACW**
VERTICAL OR HORIZONTAL



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TITLE: A-SERIES REINFORCED MULLION ASSEMBLY (WZ3)/(IMPACT)

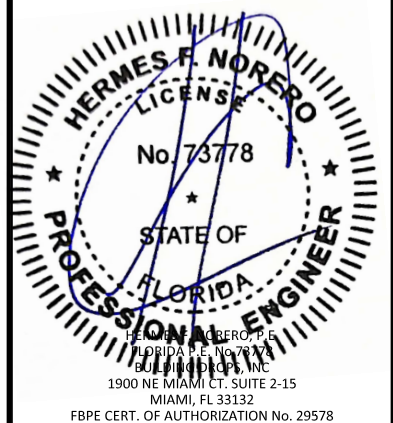
MULL ASSEMBLY SECTIONS (2)

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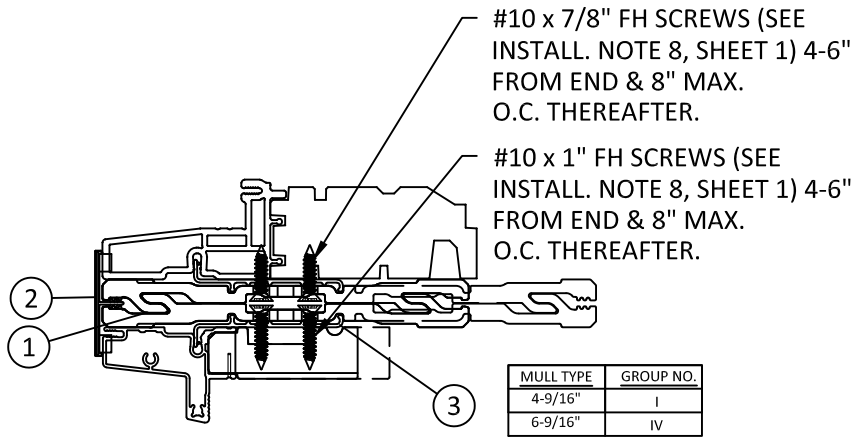
BUILDING DROPS

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2023 CODE CHANGE	MS	10/19/23

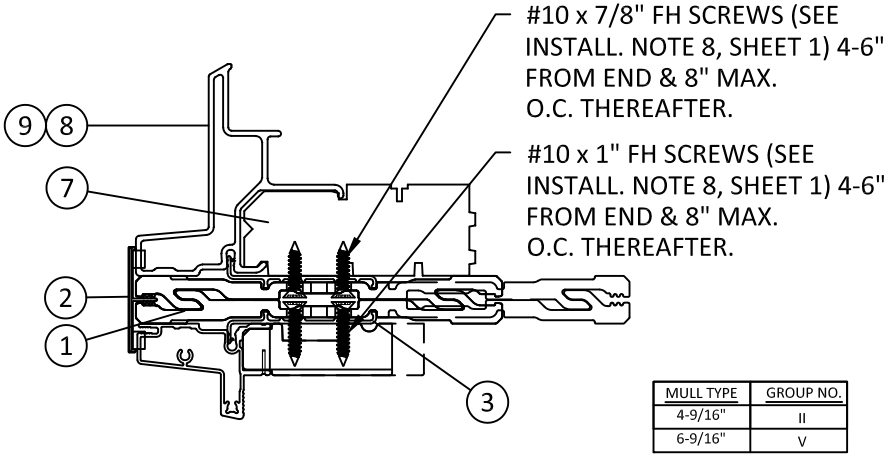
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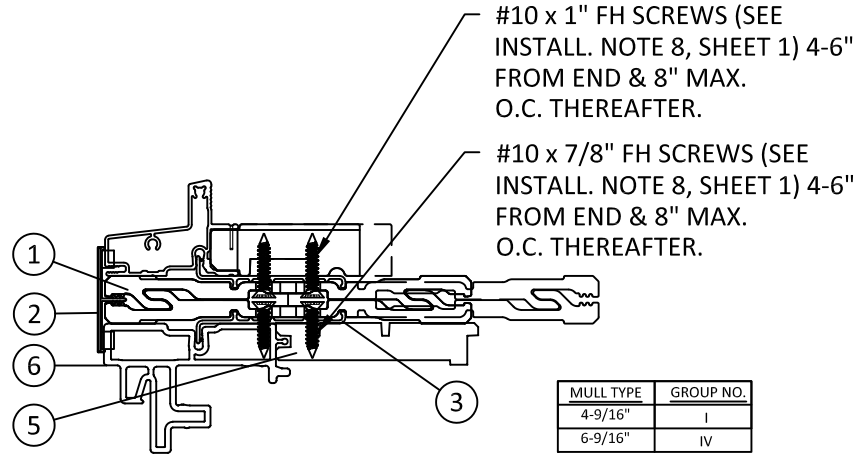
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SHEET:	3



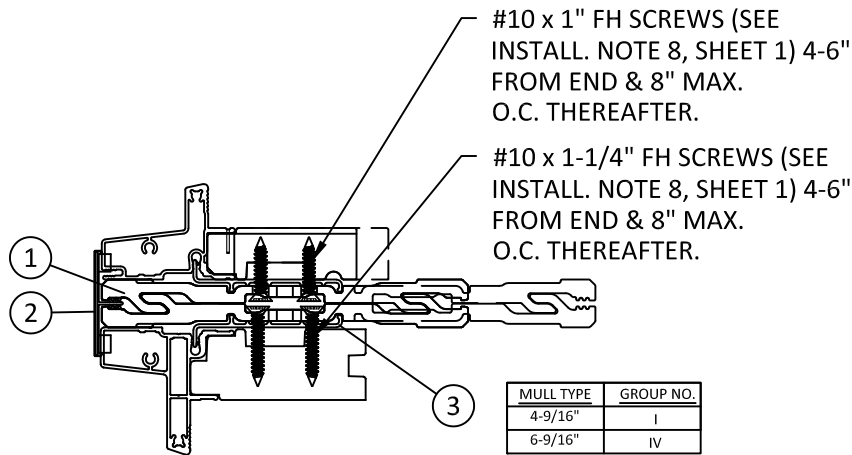
A
4
AAN TO ARCH.
HORIZONTAL MULL



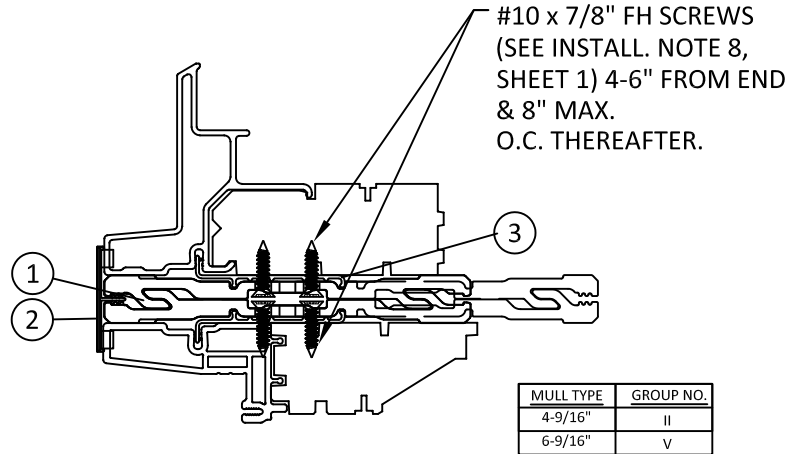
B
4
ATF/APW TO ARCH.
VERTICAL OR HORIZONTAL MULL



C
4
ARCH. TO ADH
VERTICAL OR HORIZONTAL MULL



D
4
ARCH TO FW
VERTICAL OR HORIZONTAL MULL



E
4
ATF/APW TO ACW
VERTICAL OR HORIZONTAL MULL

GROUP #	COMBINED MOMENT OF INERTIA, 'I' IN^4	SECTION MODULUS 'Sx' IN^3
1	8.9700	3.12
2	8.9700	3.12
3	8.9700	3.12
4	21.1000	5.45
5	21.1000	5.45
6	21.1000	5.45

PRODUCT ABBREVIATION KEY	
ABBREVIATION	PRODUCT NAME
Flexi =	Flexiframe Window
FW =	A Series Specialty Window
Arch. =	Specialty Window
APW =	A Series Picture Window
ATF =	A Series Transom/Fixed
AAN =	A Series Awning
ATV =	A Series Venting Transom
ACW =	A Series Casement
ADH =	A Series Double Hung



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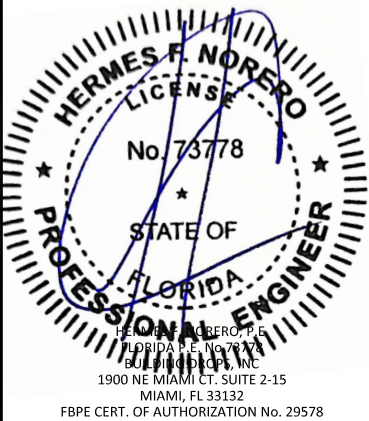
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MULLION ASSEMBLY
(WZ3)/(IMPACT)
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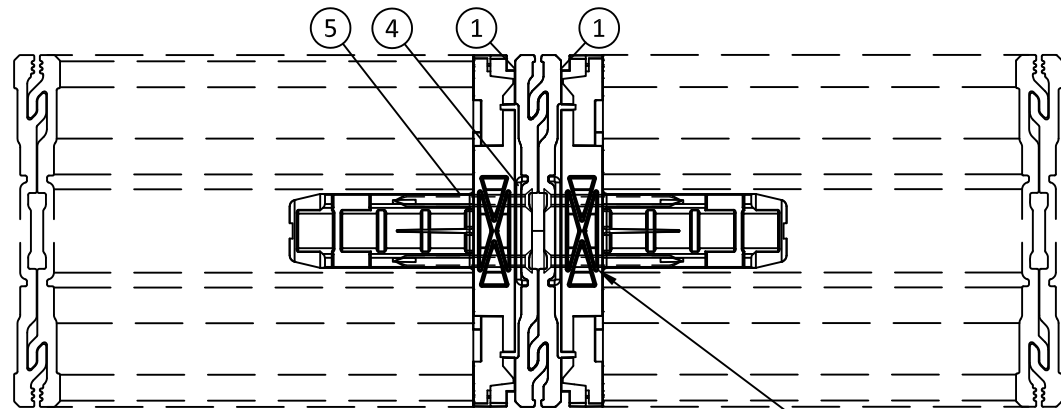
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DWG. #: **AWD265**

SHEET:
4
OF 19

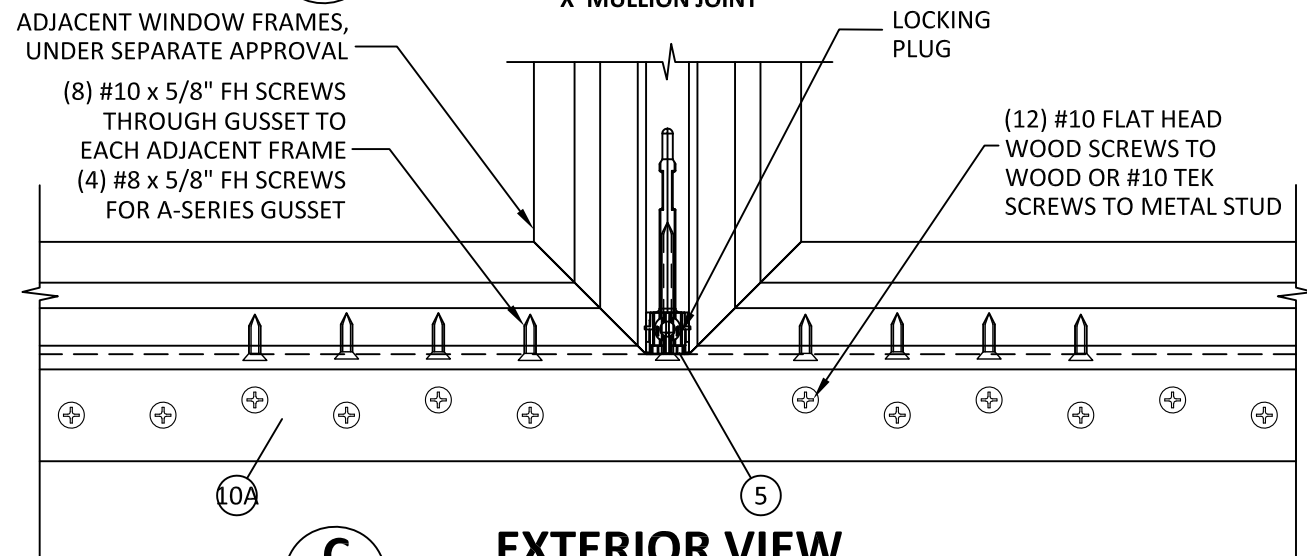
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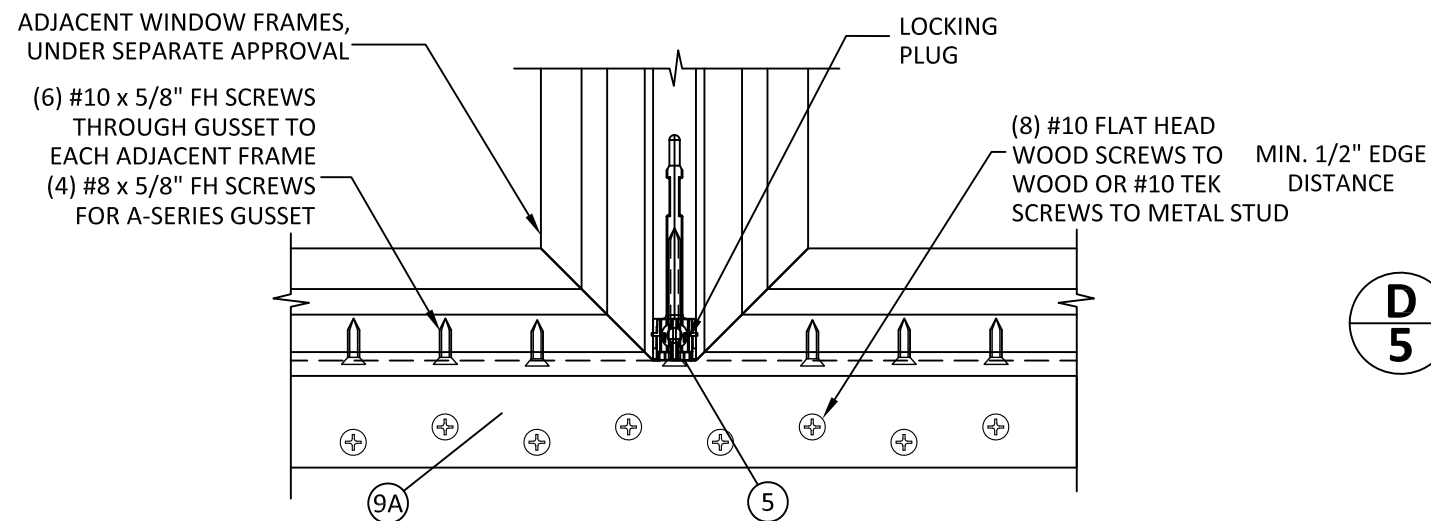
A5 HORIZONTAL SECTION

JOINING DETAIL
'X' MULLION JOINT



C5 EXTERIOR VIEW

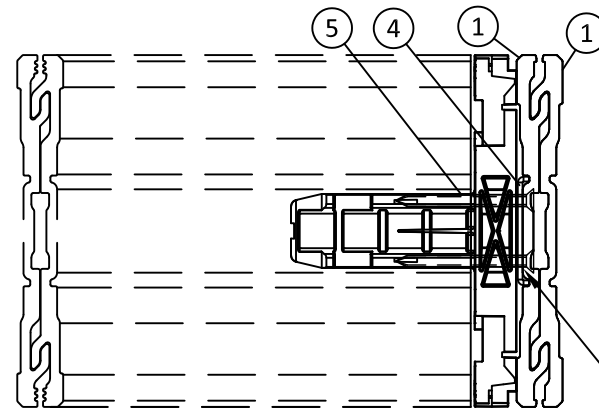
MULLION ANCHOR DETAIL
18" GUSSET INSTALLATION - TYP.



F5 EXTERIOR VIEW

MULLION ANCHOR DETAIL
12" GUSSET INSTALLATION - TYP.

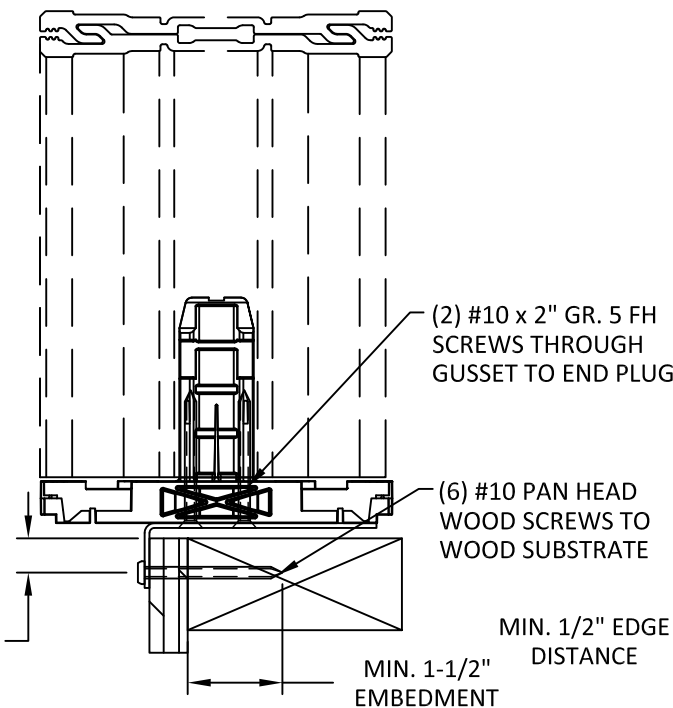
NOTE:
INSTALLATION DETAILS ARE
APPLICABLE TO 4-9/16" AND
6-9/16" REINFORCED MULLION
ASSEMBLIES.



B5 HORIZONTAL SECTION

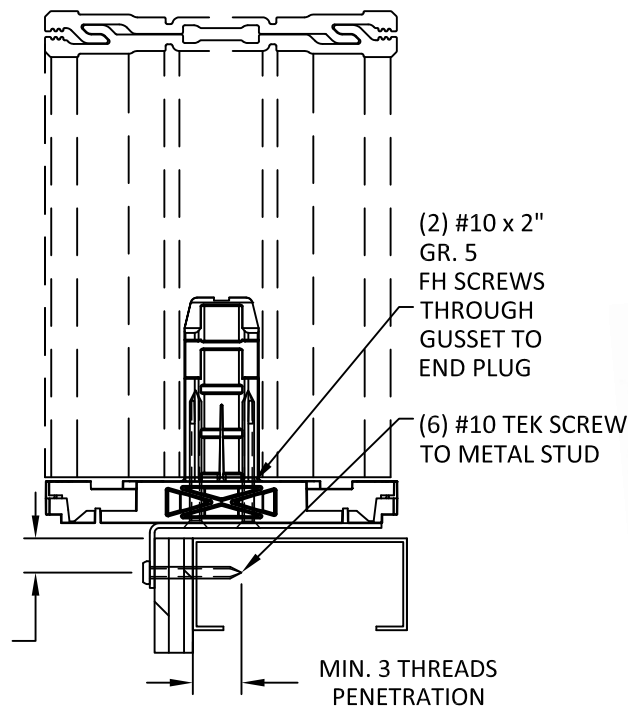
JOINING DETAIL
'T' MULLION JOINT

(2) #10 x 2" FH SCREWS
THROUGH EA.
INTERSECTION BRACKET
INTO END PLUG



D5 VERTICAL SECTION

MULLION ANCHOR DETAIL
GUSSET INSTALLATION - WOOD



E5 VERTICAL SECTION

MULLION ANCHOR DETAIL
GUSSET INSTALLATION - METAL STUD



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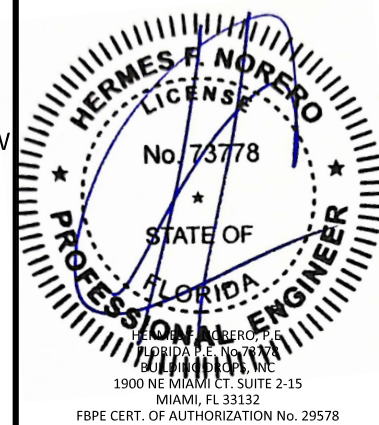
GUSSET INSTALLATION DETAILS

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



REMARKS	BY	DATE
6TH FBC CODE CHANGE	FM	10/17
2023 CODE CHANGE	MS	10/19/23

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



FL #: **FL15922**

DATE: **10.17.19**

DWG. BY:
JA

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **AWD265**

SHEET:

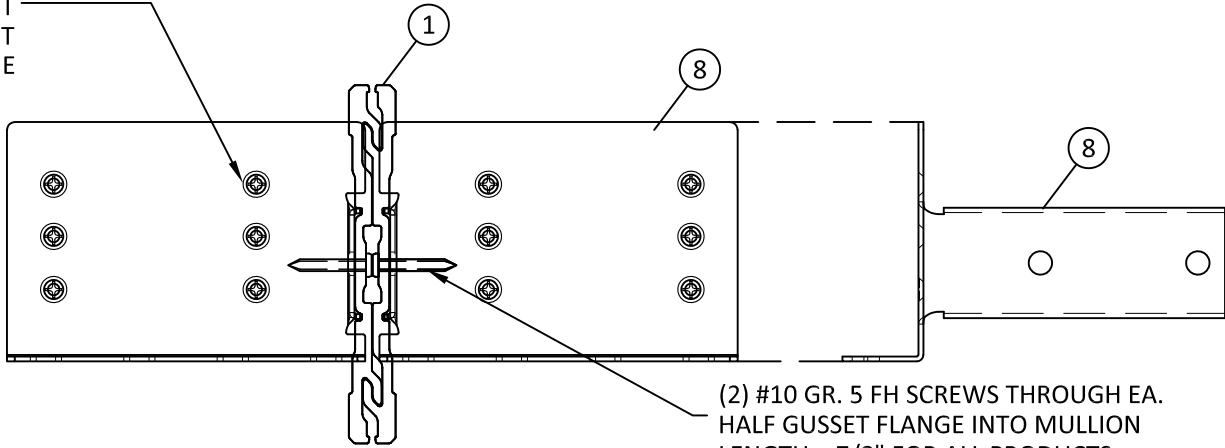
5

OF 19

10/19/2023 5:32 PM

s:\projects\andersen windows\cc-23-0347 - fbc 2023 code change (8th edition)\dwgs\fl15922\awd265.dwg

(6) #10 X 5/8" FH SCREWS
THROUGH HALF GUSSET
TO EACH ADJACENT
FRAME

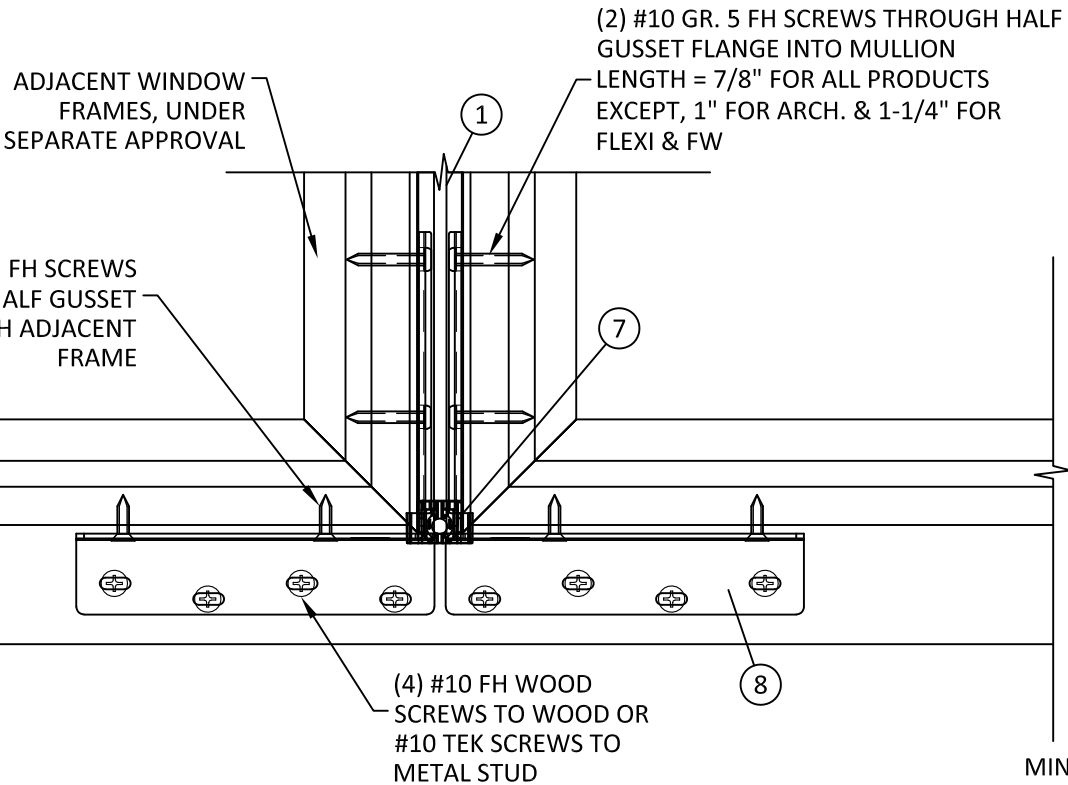


(2) #10 GR. 5 FH SCREWS THROUGH EA.
HALF GUSSET FLANGE INTO MULLION
LENGTH = 7/8" FOR ALL PRODUCTS
EXCEPT, 1" FOR ARCH. & 1-1/4" FOR
FLEXI & FW

NOTE:
INSTALLATION DETAILS ARE APPLICABLE TO
4-9/16" AND 6-9/16" REINFORCED MULLION
ASSEMBLIES.

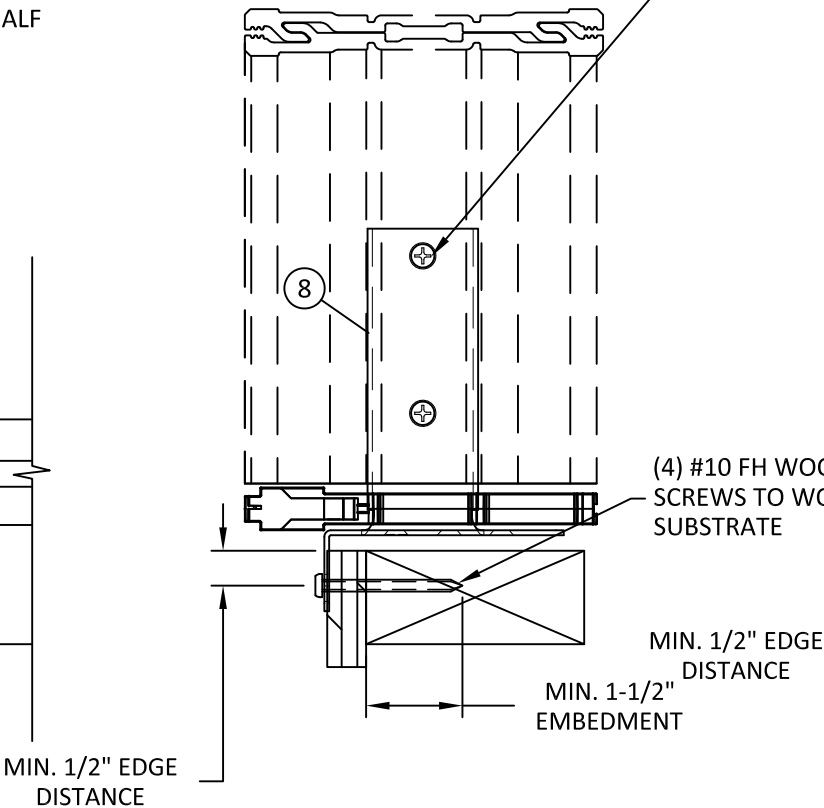
A
6

PLAN VIEW
MULLION ANCHOR DETAIL
HALF GUSSET INSTALLATION - TYP.



B
6

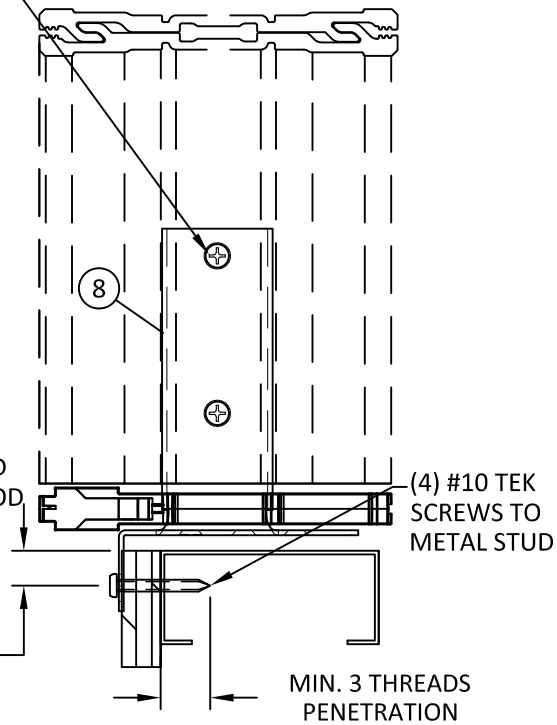
EXTERIOR VIEW
MULLION ANCHOR DETAIL
HALF GUSSET INSTALLATION - TYP.



C
6

VERTICAL SECTION
MULLION ANCHOR DETAIL
HALF GUSSET INSTALLATION - WOOD

(2) #10 GR. 5 FH SCREWS THROUGH HALF
GUSSET FLANGE INTO MULLION
LENGTH = 7/8" FOR ALL PRODUCTS
EXCEPT, 1" FOR ARCH. & 1-1/4" FOR
FLEXI & FW



D
6

VERTICAL SECTION
MULLION ANCHOR DETAIL
HALF GUSSET INSTALLATION - METAL STUD



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A-SERIES REINFORCED
MULLION ASSEMBLY
(WZ3)/(IMPACT)

HALF GUSSET INSTALLATION DETAILS

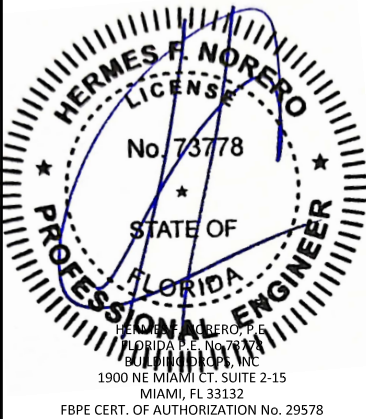
PREPARED BY:
BUILDING DROPS, INC.

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

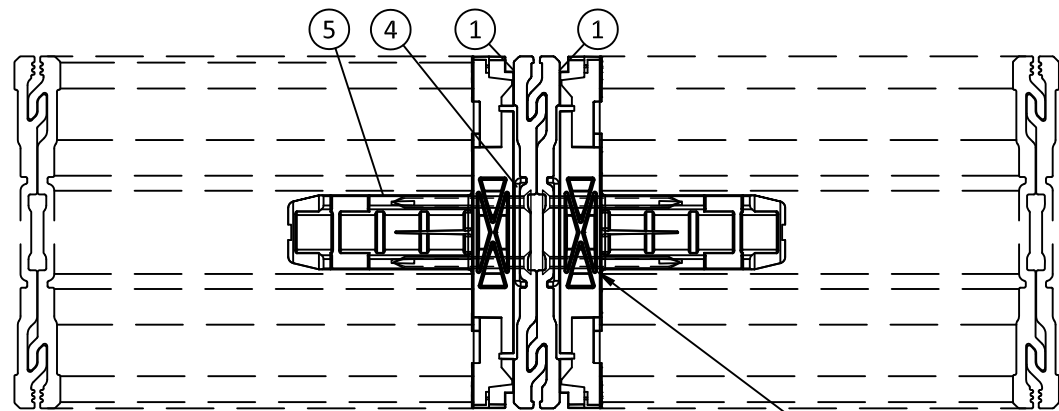


REMARKS	BY	DATE
6TH FBC CODE CHANGE	FM	10/17
2023 CODE CHANGE	MS	10/19/23

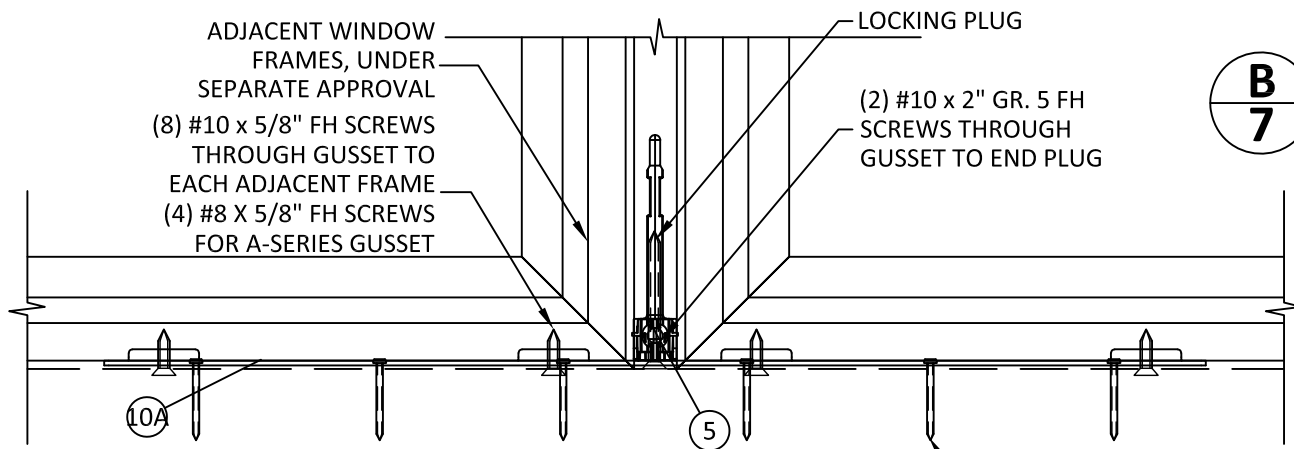
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
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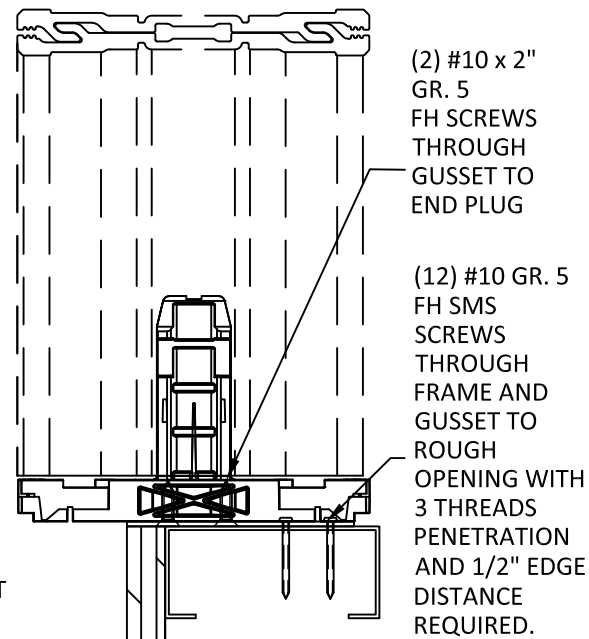
FL #:	FL15922
DATE:	10.17.19
DWG. BY:	JA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD265
SHEET:	6



A7
HORIZONTAL SECTION
JOINING DETAIL
'X' MULLION JOINT

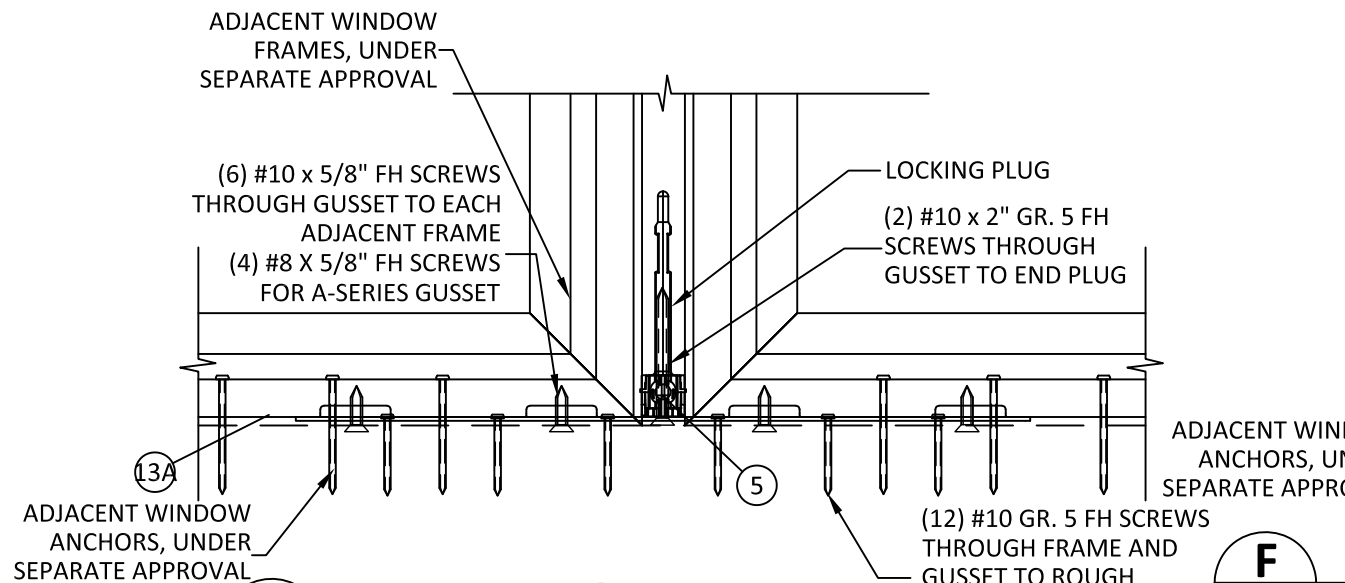


B7
HORIZONTAL SECTION
JOINING DETAIL
'T' MULLION JOINT

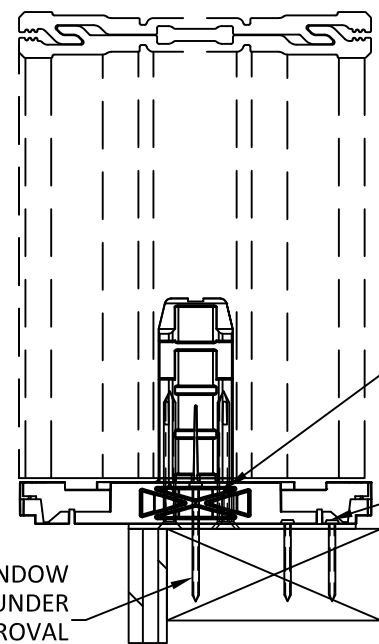


D7
VERTICAL SECTION
MULLION ANCHOR DETAIL
FLAT GUSSET INSTALLATION - METAL STUD

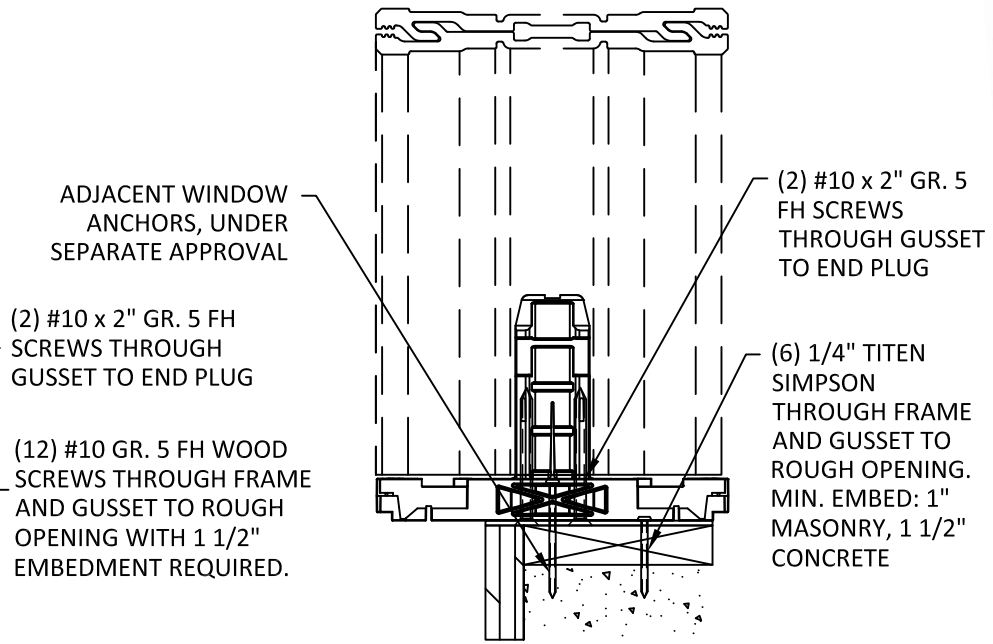
C7
EXTERIOR VIEW
MULLION ANCHOR DETAIL
18" FLAT GUSSET INSTALLATION - TYP.



E7
EXTERIOR VIEW
MULLION ANCHOR DETAIL
12" FLAT GUSSET INSTALLATION - TYP.



F7
VERTICAL SECTION
MULLION ANCHOR DETAIL
FLAT GUSSET INSTALLATION - WOOD



G7
VERTICAL SECTION
MULLION ANCHOR DETAIL
FLAT GUSSET INSTALLATION - CONCRETE OR MASONRY
1X BUCK OPTIONAL



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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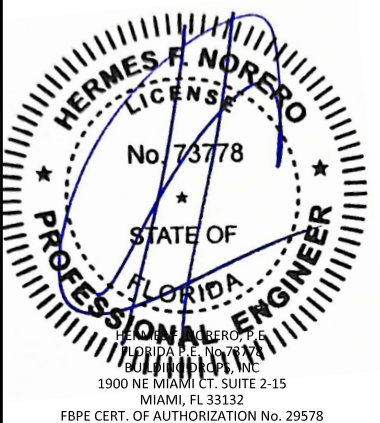
TITLE: A-SERIES REINFORCED
MULLION ASSEMBLY
(WZ3)/(IMPACT)

FLAT GUSSET INSTALLATION DETAILS

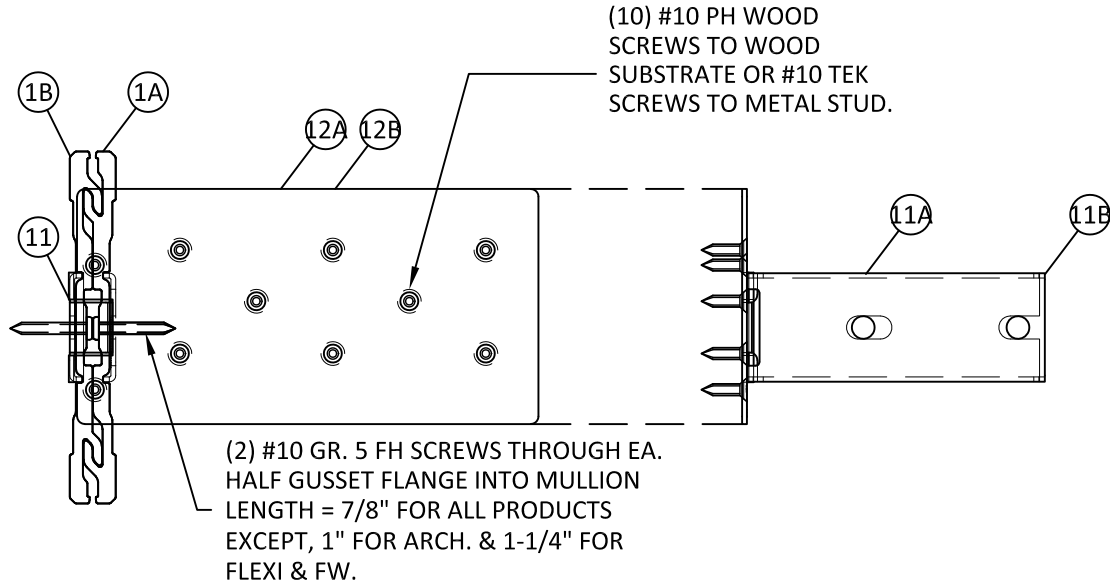
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
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2023 CODE CHANGE	MS	10/19/23

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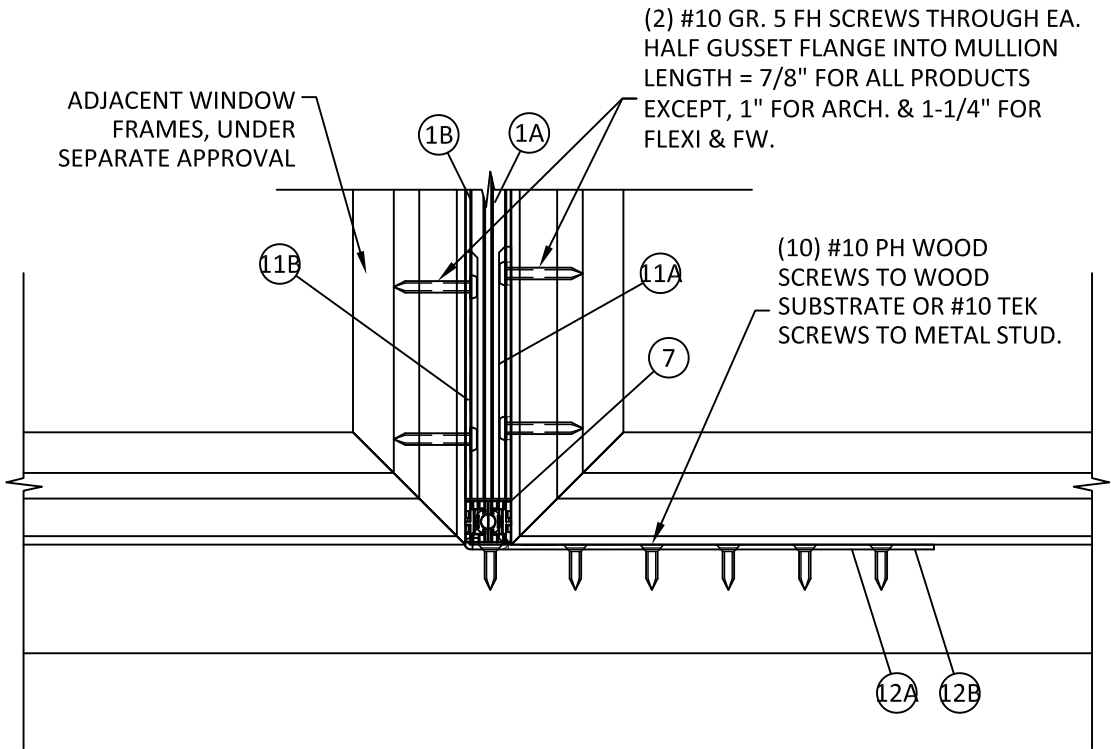
FL #:	FL15922
DATE:	10.17.19
DWG. BY:	JA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD265
SHEET:	7



A
8

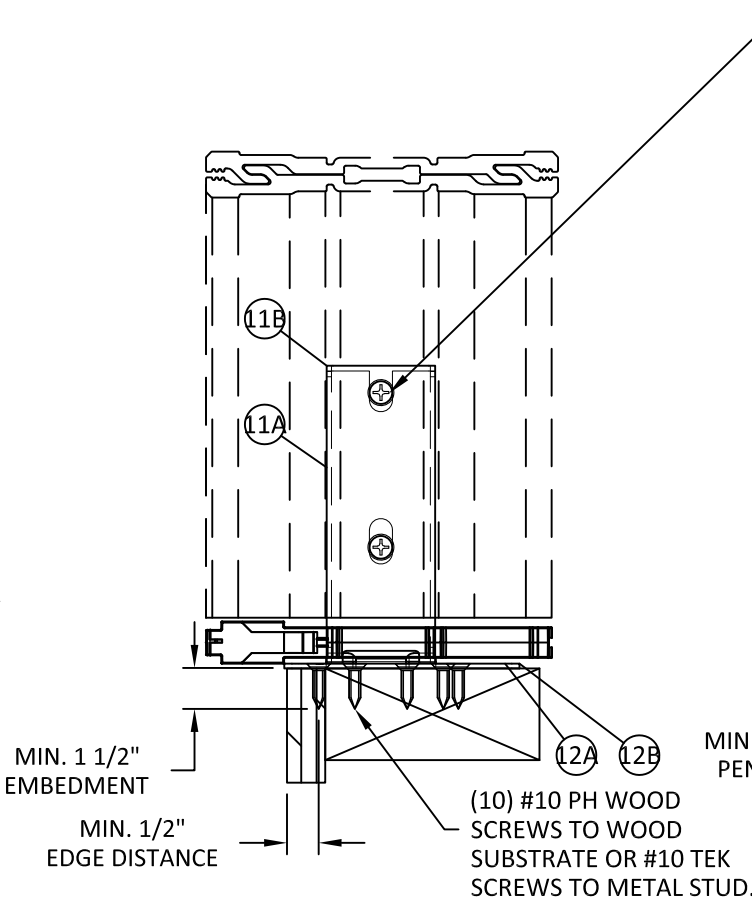
PLAN VIEW
MULLION ANCHOR DETAIL
SLIDE GUSSET INSTALLATION - TYP.

NOTE:
INSTALLATION DETAILS ARE APPLICABLE TO
4-9/16" AND 6-9/16" REINFORCED MULLION
ASSEMBLIES.



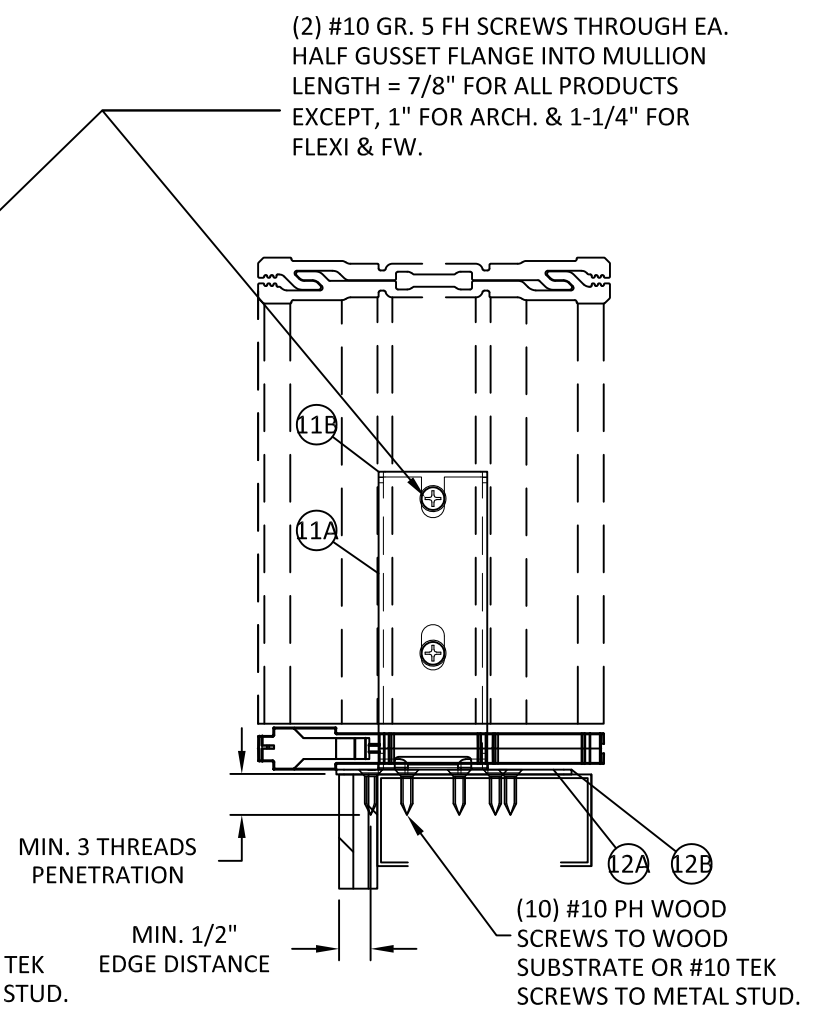
B
8

EXTERIOR VIEW
MULLION ANCHOR DETAIL
SLIDE GUSSET INSTALLATION - TYP.



C
8

VERTICAL SECTION
MULLION ANCHOR DETAIL
SLIDE GUSSET INSTALLATION - WOOD



D
8

VERTICAL SECTION
MULLION ANCHOR DETAIL
SLIDE GUSSET INSTALLATION - METAL STUD



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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TITLE: A-SERIES REINFORCED
MULLION ASSEMBLY
(WZ3)/(IMPACT)

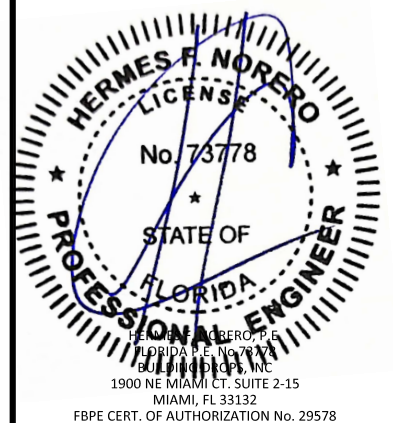
SLIDE GUSSET INSTALLATION DETAILS

PREPARED BY:
B.D.
BUILDING DROPS

BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
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DWG. BY:	JA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD265
SHEET:	8

10/19/2023 5:33 PM

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP I																											
L - Mull Length (in)	W - Tributary Width (in)																										
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0	126.0	132.0	138.0	144.0		
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
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36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
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54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
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66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.2	90.8	86.0	82.6	80.3	79.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5		
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	86.0	78.6	73.0	68.8	65.7	63.4	61.9	61.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7		
102.0	100.0	100.0	100.0	100.0	100.0	98.3	90.8	79.3	70.9	64.6	59.7	56.0	53.2	51.1	49.5	48.5	47.8	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6		
108.0	100.0	100.0	100.0	99.4	90.0	82.4	76.1	66.3	59.1	53.7	49.5	46.3	43.8	41.8	40.3	39.2	38.5	38.0	37.9	37.9	37.9	37.9	37.9	37.9	37.9		
114.0	100.0	100.0	94.4	84.3	76.3	69.8	64.4	56.0	49.9	45.2	41.6	38.7	36.5	34.7	33.3	32.3	31.5	31.0	30.6	30.5	30.5	30.5	30.5	30.5	30.5		
120.0	100.0	91.9	80.7	72.1	65.2	59.6	55.0	47.8	42.4	38.4	35.2	32.7	30.8	29.2	27.9	26.9	26.1	25.6	25.2	24.9	24.8	24.8	24.8	24.8	24.8		
126.0	92.2	79.3	69.6	62.2	56.2	51.3	47.3	41.1	36.4	32.9	30.2	28.0	26.2	24.8	23.6	22.7	22.0	21.4	21.0	20.7	20.5	20.4	20.4	20.4	20.4		
132.0	80.2	68.9	60.5	54.0	48.8	44.5	41.0	35.6	31.5	28.4	26.0	24.1	22.5	21.2	20.2	19.4	18.7	18.1	17.7	17.4	17.2	17.0	17.0	17.0	17.0		
138.0	70.1	60.2	52.9	47.2	42.6	38.9	35.8	31.0	27.5	24.7	22.6	20.9	19.5	18.4	17.4	16.6	16.0	15.5	15.1	-	-	-	-	-	-		
144.0	61.7	53.0	46.5	41.5	37.4	34.2	31.5	27.2	24.1	21.7	19.8	18.2	17.0	16.0	15.1	-	-	-	-	-	-	-	-	-	-		

NOTE:

- 1) MULLION CHART APPLIES TO 4-9/16" (ITEM #1A) GROUP I REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FLORIDA PRODUCT APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:

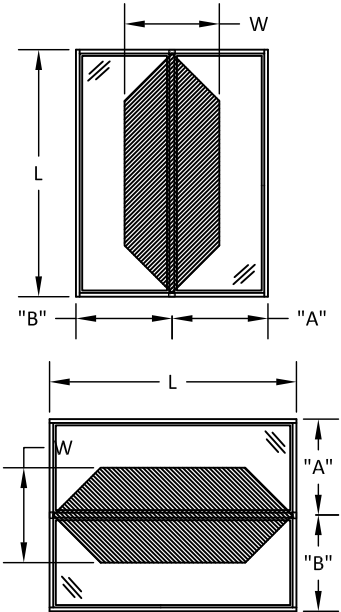
• STANDARD GUSSET INSTALLATION TO WOOD OR METAL STUD

• HALF GUSSET INSTALLATION TO WOOD, OR METAL STUD.

• FLAT GUSSET INSTALLATION TO WOOD, METAL STUD, MASONRY OR CONCRETE
- 6) TRIBUTARY WIDTH = W = (A+B)/2
- 7) REFER TO SHEET 8 FOR INSTALLATION DETAILS.
- 8) WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.

A + B = W

2



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A-SERIES REINFORCED
MULLION ASSEMBLY
(WZ3)/(IMPACT)

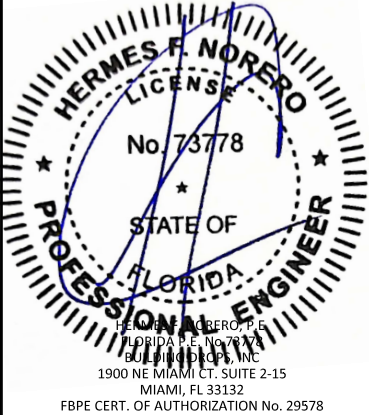
ONE WAY LOAD TABLE: GROUP I

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE
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2023 CODE CHANGE	MS	10/19/23

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FL #:

FL15922

DATE: 10.17.19

DWG. BY:
JA

CHK. BY:
HFN

SCALE: NTS

DWG. #: AWD265

SHEET:

9

s:\projects\andersen windows\cc-23-0347 - fbc 2023 code change (8th edition)\dwgs\fl15922\awd265.dwg

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP II																											
L - Mull Length (in)	W - Tributary Width (in)																										
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0	126.0	132.0	138.0	144.0		
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.5	91.7	89.2	87.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.5	87.3	81.1	76.4	72.9	70.4	68.7	67.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	88.0	78.7	71.7	66.3	62.2	59.1	56.7	55.0	53.8	53.1	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	
108.0	100.0	100.0	100.0	100.0	99.9	91.5	84.5	73.6	65.6	59.6	55.0	51.4	48.6	46.4	44.8	43.5	42.7	42.2	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	
114.0	100.0	100.0	100.0	93.6	84.7	77.4	71.5	62.2	55.3	50.2	46.1	43.0	40.5	38.5	37.0	35.8	35.0	34.4	34.0	33.9	33.9	33.9	33.9	33.9	33.9	33.9	
120.0	100.0	100.0	89.6	80.0	72.4	66.2	61.0	53.0	47.1	42.6	39.1	36.4	34.1	32.4	31.0	29.9	29.0	28.4	27.9	27.7	27.6	27.6	27.6	27.6	27.6	27.6	
126.0	100.0	88.0	77.3	69.0	62.4	57.0	52.5	45.6	40.5	36.5	33.5	31.0	29.1	27.5	26.2	25.2	24.4	23.8	23.3	23.0	22.8	22.7	22.7	22.7	22.7	22.7	
132.0	89.0	76.5	67.1	59.9	54.1	49.4	45.6	39.5	35.0	31.6	28.9	26.7	25.0	23.6	22.4	21.5	20.7	20.1	19.6	19.3	19.0	18.9	18.8	18.8	18.8	18.8	
138.0	77.8	66.9	58.7	52.3	47.3	43.2	39.8	34.4	30.5	27.5	25.1	23.2	21.6	20.4	19.3	18.5	17.8	17.2	16.7	16.4	16.1	15.9	15.8	15.8	15.8	15.8	
144.0	68.4	58.8	51.6	46.0	41.6	37.9	34.9	30.2	26.7	24.0	21.9	20.2	18.9	17.7	16.8	16.0	15.4	-	-	-	-	-	-	-	-	-	

NOTE:

- 1) MULLION CHART APPLIES TO 4-9/16" (ITEM #1A) GROUP II REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FLORIDA PRODUCT APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:

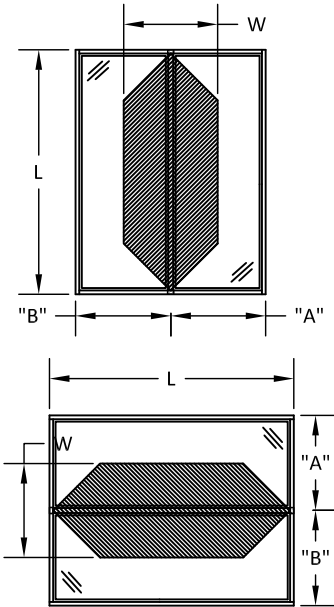
• STANDARD GUSSET INSTALLATION TO WOOD OR METAL STUD

• HALF GUSSET INSTALLATION TO WOOD, OR METAL STUD.

• FLAT GUSSET INSTALLATION TO WOOD, METAL STUD, MASONRY OR CONCRETE
- 6) TRIBUTARY WIDTH = W = (A+B)/2
- 7) REFER TO SHEET 8 FOR INSTALLATION DETAILS.
- 8) WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.

A + B = W

2



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A-SERIES REINFORCED
MULLION ASSEMBLY
(WZ3)/(IMPACT)

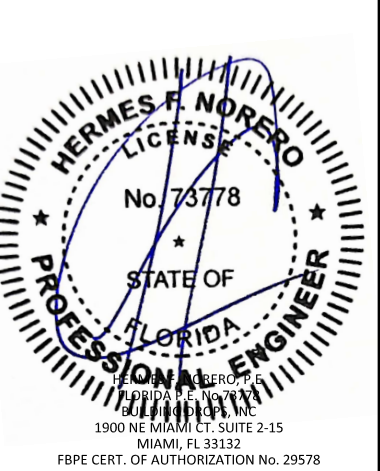
ONE WAY LOAD TABLE: GROUP II

PREPARED BY:

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

REMARKS	BY	DATE
6TH FBC CODE CHANGE	FM	10/17
2023 CODE CHANGE	MS	10/19/23

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



FL #:
FL15922

DATE: **10.17.19**

DWG. BY: **JA** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **AWD265**

SHEET:
10
OF 19

ONE WAY LOAD TABLE: GROUP III



REMARKS	BY	DATE
6TH FBC CODE CHANGE	FM	10/17/23
2023 CODE CHANGE	MS	10/19/23

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.



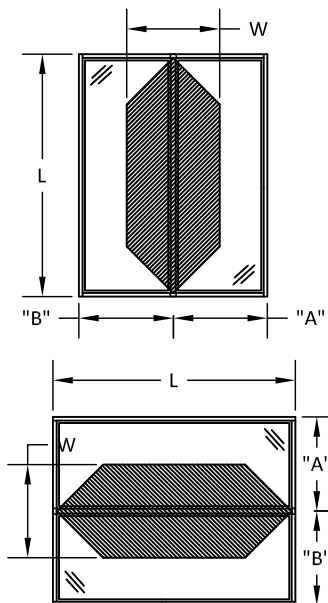
SHEET:

11

OF 19

[illegible]

- 1) MULLION CHART APPLIES TO 4-9/16" (ITEM #1A) GROUP III REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FLORIDA PRODUCT APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
 - STANDARD GUSSET INSTALLATION TO WOOD OR METAL STUD
 - HALF GUSSET INSTALLATION TO WOOD, OR METAL STUD.
 - FLAT GUSSET INSTALLATION TO WOOD, METAL STUD, MASONRY OR CONCRETE.
- 6) TRIBUTARY WIDTH = $W = (A+B)/2$
- 7) REFER TO SHEET 8 FOR INSTALLATION DETAILS.
- 8) WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



$$\frac{A + B = W}{2}$$

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP I, II, OR III (TWO-WAY CONFIGURATIONS)

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP I, II, OR III (TWO-WAY CONFIGURATIONS)																										
L - Mull Length (in)	W - Tributary Width (in)																									
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0	126.0	132.0	138.0	144.0	
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	90.9	87.0	83.3
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	90.2	85.7	81.6	77.9	74.5	71.4
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.8	88.2	83.3	78.9	75.0	71.4	68.2	65.2	62.5	62.5
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	88.9	83.3	78.4	74.1	70.2	66.7	63.5	60.6	58.0	55.6	55.6
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.3	85.7	80.0	75.0	70.6	66.7	63.2	60.0	57.1	54.5	52.2	50.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	90.9	83.9	77.9	72.7	68.2	64.2	60.6	57.4	54.5	51.9	49.6	47.4	45.5	45.5
72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.9	83.3	76.9	71.4	66.7	62.5	58.8	55.6	52.6	50.0	47.6	45.5	43.5	41.7	41.7
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.3	83.9	76.9	71.0	65.9	61.5	57.7	54.3	51.3	48.6	46.2	44.0	42.0	40.1	38.5	38.5
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	85.7	77.9	71.4	65.9	61.2	57.1	53.6	50.4	47.6	45.1	42.9	40.8	39.0	37.3	35.7	35.7
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.2	83.8	75.4	68.5	62.8	58.0	53.8	50.3	47.1	44.3	41.9	39.7	37.7	35.9	34.3	32.8	31.4	31.4
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	88.7	77.6	69.0	62.1	56.5	51.8	47.8	44.4	41.4	38.8	36.5	34.5	32.7	31.1	29.6	28.2	27.0	25.9	25.9
102.0	100.0	100.0	100.0	100.0	100.0	94.2	86.3	74.0	64.7	57.5	51.8	47.1	43.2	39.8	37.0	34.5	32.4	30.5	28.8	27.3	25.9	24.7	23.5	22.5	21.6	21.6
108.0	100.0	100.0	100.0	96.9	87.2	79.3	72.7	62.3	54.5	48.5	43.6	39.7	36.4	33.6	31.2	29.1	27.3	25.7	24.2	23.0	21.8	20.8	19.8	19.0	18.2	18.2
114.0	100.0	100.0	92.7	82.4	74.2	67.4	61.8	53.0	46.4	41.2	37.1	33.7	30.9	28.5	26.5	24.7	23.2	21.8	20.6	19.5	18.5	17.7	16.9	16.1	15.5	15.5
120.0	100.0	90.9	79.5	70.7	63.6	57.8	53.0	45.4	39.8	35.3	31.8	28.9	26.5	24.5	22.7	21.2	19.9	18.7	17.7	16.7	15.9	15.1	-	-	-	-
126.0	91.6	78.5	68.7	61.0	54.9	49.9	45.8	39.2	34.3	30.5	27.5	25.0	22.9	21.1	19.6	18.3	17.2	16.2	15.3	-	-	-	-	-	-	-
132.0	79.6	68.3	59.7	53.1	47.8	43.4	39.8	34.1	29.9	26.5	23.9	21.7	19.9	18.4	17.1	15.9	-	-	-	-	-	-	-	-	-	-
138.0	69.7	59.7	52.3	46.5	41.8	38.0	34.9	29.9	26.1	23.2	20.9	19.0	17.4	16.1	-	-	-	-	-	-	-	-	-	-	-	-
144.0	61.3	52.6	46.0	40.9	36.8	33.5	30.7	26.3	23.0	20.4	18.4	16.7	15.3	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE:

- 1) MULLION CHART APPLIES TO 4-9/16" (ITEM #1A) GROUP I, II, OR III REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY, 'X' OR 'T', CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FLORIDA PRODUCT APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:

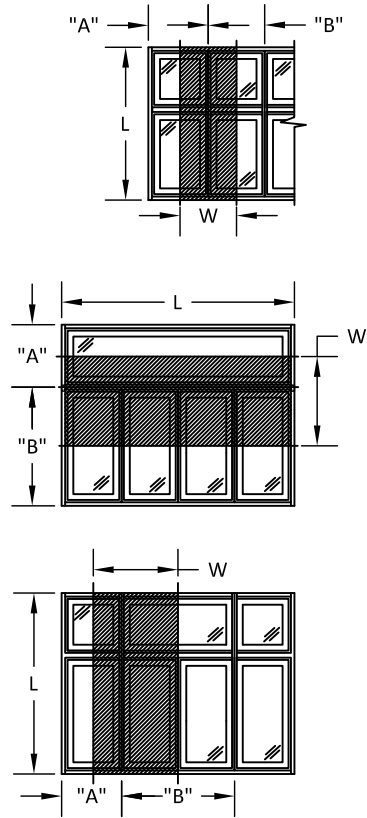
• V-NOTCH GUSSET INSTALLATION TO WOOD OR METAL STUD

• HALF GUSSET INSTALLATION TO WOOD OR METAL STUD.

• FLAT GUSSET INSTALLATION TO WOOD, METAL STUD, MASONRY OR CONCRETE.
- 6) TRIBUTARY WIDTH = W = (A+B)/2
- 7) REFER TO SHEET 8 FOR INSTALLATION DETAILS.
- 8) WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.

A + B = W

2



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: A-SERIES REINFORCED
MULLION ASSEMBLY
(WZ3)/(IMPACT)

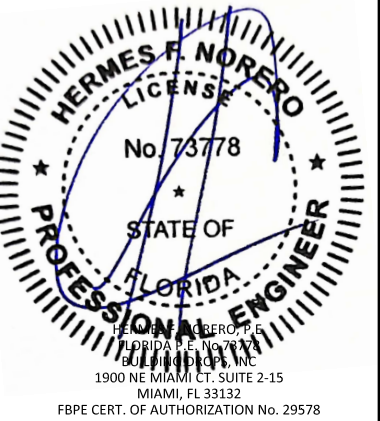
TWO WAY LOAD TABLE: GROUP I, II, III

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



REMARKS	BY	DATE
6TH FBC CODE CHANGE	FM	10/17
2023 CODE CHANGE	MS	10/19/23

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



FL #:

FL15922

DATE: 10.17.19

DWG. BY:
JA

CHK. BY:
HFN

SCALE: NTS

DWG. #: AWD265

SHEET:

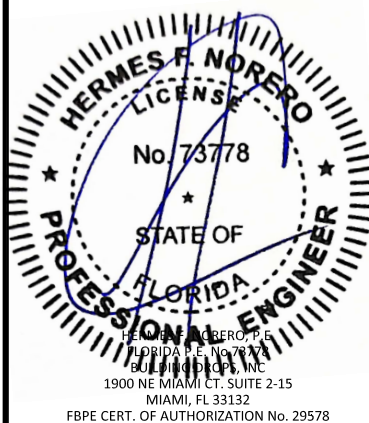
12

ONE WAY LOAD TABLE: GROUP IV



REMARKS	BY	DATE
6TH FBC CODE CHANGE	FM	10/17
2023 CODE CHANGE	MS	10/19/23

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.



FL #:	
FL15922	
DATE: 10.17.19	
DWG. BY: JA	CHK. BY: HFN
SCALE: NTS	
DWG. #: AWD265	
SHEET:	

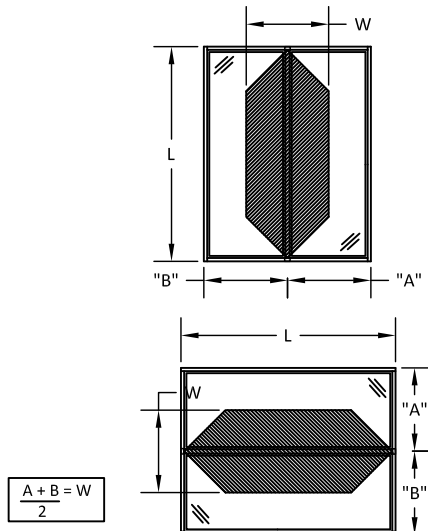
13

OF 19

[illegible]

NOTE:

- 1) MULLION CHART APPLIES TO 6-9/16" (ITEM #1B) GROUP IV REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FLORIDA PRODUCT APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
 - STANDARD GUSSET INSTALLATION TO WOOD OR METAL STUD
 - HALF GUSSET INSTALLATION TO WOOD, OR METAL STUD.
 - FLAT GUSSET INSTALLATION TO WOOD, METAL STUD, MASONRY OR CONCRETE.
- 6) TRIBUTARY WIDTH = $W = (A+B)/2$
- 7) REFER TO SHEET 8 FOR INSTALLATION DETAILS.
- 8) WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



ONE WAY LOAD TABLE: GROUP V

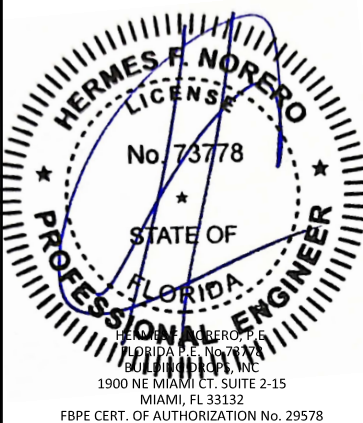


BY

FM

MS

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.



FL15922

DWG. BY:
JA

CHK. BY:
HFN

DWG. #: AWD265

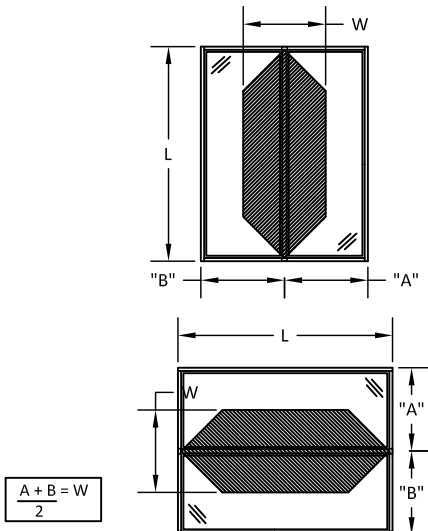
14

OF 19

[illegible]

NOTE:

- 1) MULLION CHART APPLIES TO 6-9/16" (ITEM #1B) GROUP V REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FLORIDA PRODUCT APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
 - STANDARD GUSSET INSTALLATION TO WOOD OR METAL STUD
 - HALF GUSSET INSTALLATION TO WOOD, OR METAL STUD.
 - FLAT GUSSET INSTALLATION TO WOOD, METAL STUD, MASONRY OR CONCRETE.
- 6) $TRIBUTARY\ WIDTH = W = (A+B)/2$
- 7) REFER TO SHEET 8 FOR INSTALLATION DETAILS.
- 8) WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



ONE WAY LOAD TABLE: GROUP VI



BD
BUILDING DROPS

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: 10.17.19

CHK. BY:
HFN

DWG. #: AWD265

15

OF 19

NOTE:

-

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): GROUP IV, V, OR VI (TWO-WAY CONFIGURATIONS)																										
L - Mull Length (in)	W - Tributary Width (in)																									
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	102.0	108.0	114.0	120.0	126.0	132.0	138.0	144.0	
24.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
30.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
36.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	90.9	87.0	83.3
42.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	90.2	85.7	81.6	77.9	74.5	71.4
48.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.8	88.2	83.3	78.9	75.0	71.4	68.2	65.2	62.5	
54.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	88.9	83.3	78.4	74.1	70.2	66.7	63.5	60.6	58.0	55.6
60.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.3	85.7	80.0	75.0	70.6	66.7	63.2	60.0	57.1	54.5	52.2	50.0
66.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	90.9	83.9	77.9	72.7	68.2	64.2	60.6	57.4	54.5	51.9	49.6	47.4	45.5	
72.0	100.0	100.0	100.0	9.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.9	83.3	76.9	71.4	66.7	62.5	58.8	55.6	52.6	50.0	47.6	45.5	43.5	41.7	
78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.3	83.9	76.9	71.0	65.9	61.5	57.7	54.3	51.3	48.6	46.2	44.0	42.0	40.1	38.5	
84.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	85.7	77.9	71.4	65.9	61.2	57.1	53.6	50.4	47.6	45.1	42.9	40.8	39.0	37.3	35.7	
90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	88.9	80.0	72.7	66.7	61.5	57.1	53.3	50.0	47.1	44.4	42.1	40.0	38.1	36.4	34.8	33.3	
96.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.8	83.3	75.0	68.2	62.5	57.7	53.6	50.0	46.9	44.1	41.7	39.5	37.5	35.7	34.1	32.6	31.3	
102.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	88.2	78.4	70.6	64.2	58.8	54.3	50.4	47.1	44.1	41.5	39.2	37.2	35.3	33.6	32.1	30.7	29.4	
108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	83.3	74.1	66.7	60.6	55.6	51.3	47.6	44.4	41.7	39.2	37.0	35.1	33.3	31.7	30.3	29.0	27.8	
114.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.2	78.9	70.2	63.2	57.4	52.6	48.6	45.1	42.1	39.5	37.2	35.1	33.2	31.6	30.1	28.7	27.5	26.3	
120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	85.7	75.0	66.7	60.0	54.5	50.0	46.2	42.9	40.0	37.5	35.3	33.3	31.6	30.0	28.6	27.3	26.1	25.0	
126.0	100.0	100.0	100.0	100.0	100.0	100.0	91.7	78.6	68.8	61.1	55.0	50.0	45.8	42.3	39.3	36.7	34.4	32.4	30.6	28.9	27.5	26.2	25.0	23.9	22.9	
132.0	100.0	100.0	100.0	100.0	100.0	91.1	83.5	71.6	62.6	55.7	50.1	45.6	41.8	38.6	35.8	33.4	31.3	29.5	27.8	26.4	25.1	23.9	22.8	21.8	20.9	
138.0	100.0	100.0	100.0	100.0	91.7	83.4	76.4	65.5	57.3	50.9	45.9	41.7	38.2	35.3	32.8	30.6	28.7	27.0	25.5	24.1	22.9	21.8	20.8	19.9	19.1	
144.0	100.0	100.0	100.0	93.6	84.2	76.6	70.2	60.2	52.6	46.8	42.1	38.3	35.1	32.4	30.1	28.1	26.3	24.8	23.4	22.2	21.1	20.1	19.1	18.3	17.5	
150.0	100.0	100.0	97.0	86.2	77.6	70.6	64.7	55.4	48.5	43.1	38.8	35.3	32.3	29.9	27.7	25.9	24.3	22.8	21.6	20.4	19.4	18.5	17.6	16.9	16.2	
156.0	100.0	100.0	89.7	79.7	71.8	65.2	59.8	51.3	44.9	39.9	35.9	32.6	29.9	27.6	25.6	23.9	22.4	21.1	19.9	18.9	17.9	17.1	16.3	15.6	-	
162.0	100.0	95.1	83.2	73.9	66.5	60.5	55.5	47.5	41.6	37.0	33.3	30.2	27.7	25.6	23.8	22.2	20.8	19.6	18.5	17.5	16.6	15.8	15.1	-	-	
168.0	100.0	88.4	77.3	68.8	61.9	56.3	51.6	44.2	38.7	34.4	30.9	28.1	25.8	23.8	22.1	20.6	19.3	18.2	17.2	16.3	15.5	-	-	-	-	

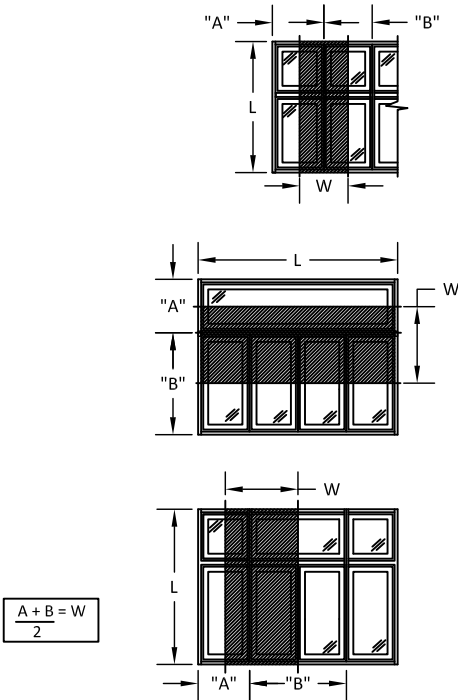
NOTE:

- 1) MULLION CHART APPLIES TO 6-9/16" (ITEM #1B) GROUP IV, V, OR VI REINFORCED COMPOSITE MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY, 'X' OR 'T', CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/180.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS OR DOORS SHALL BE UNDER SEPARATE FLORIDA PRODUCT APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:

• V-NOTCH GUSSET INSTALLATION TO WOOD OR METAL STUD

• HALF GUSSET INSTALLATION TO WOOD OR METAL STUD.

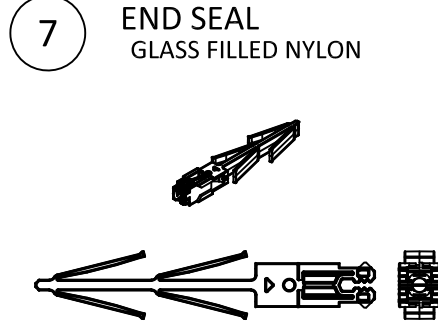
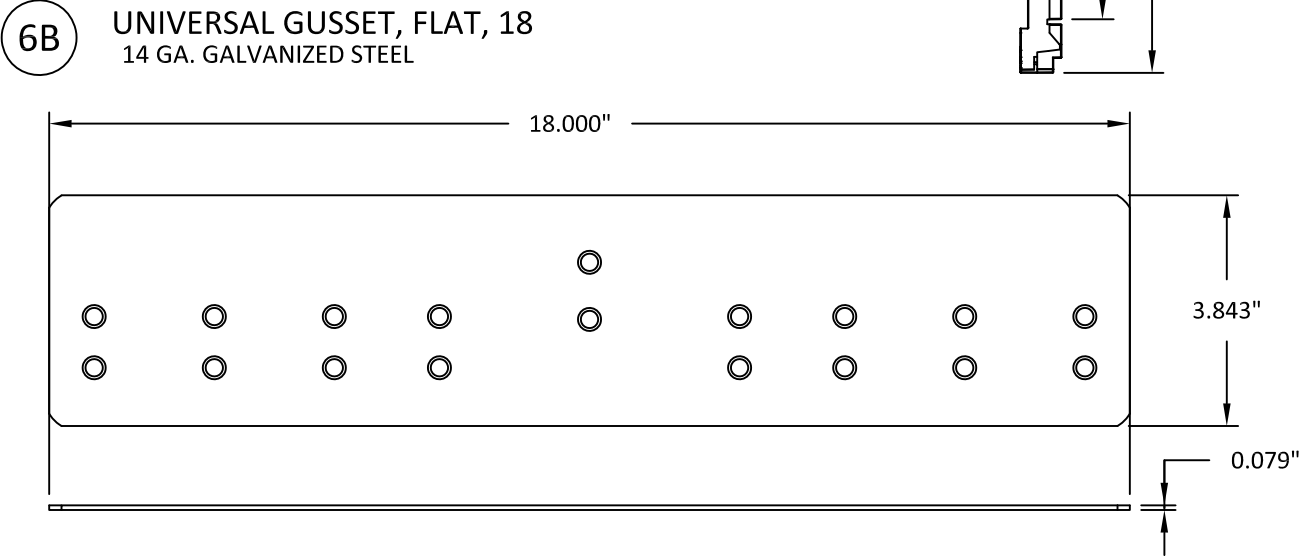
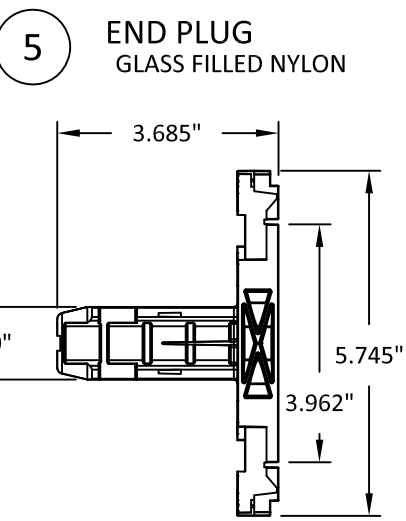
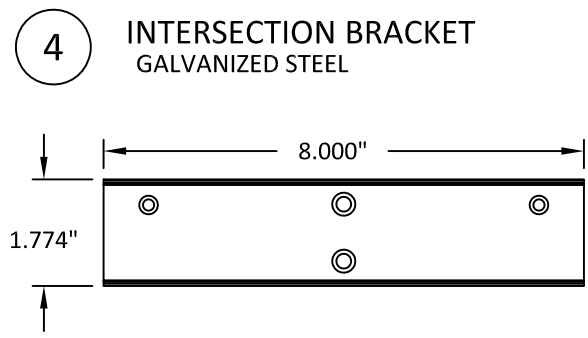
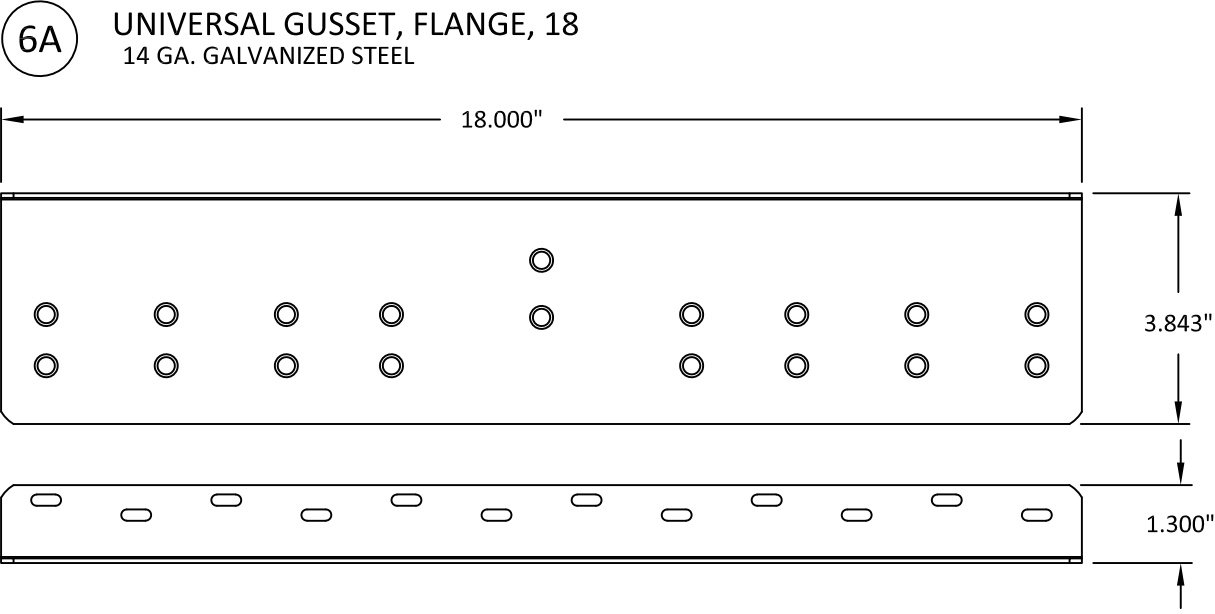
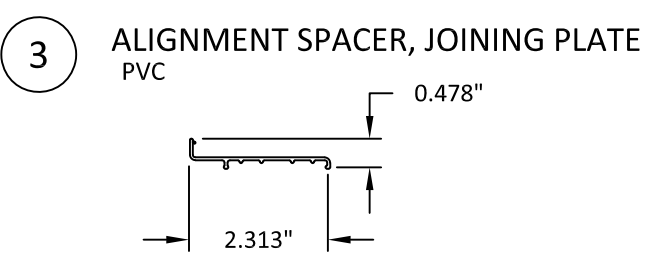
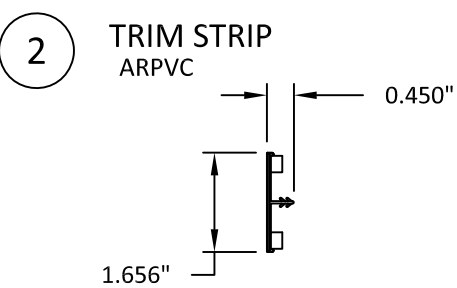
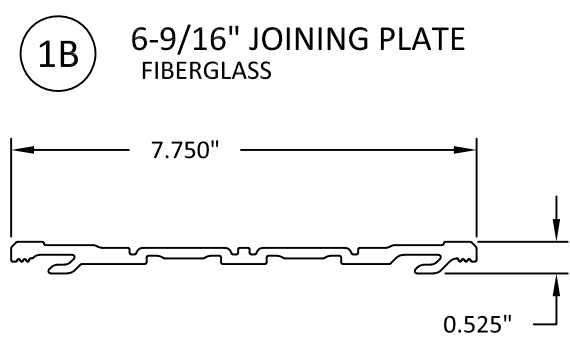
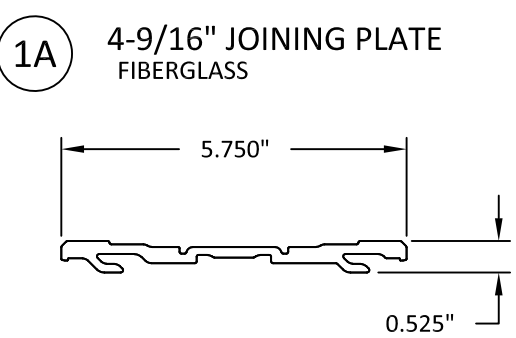
• FLAT GUSSET INSTALLATION TO WOOD, METAL STUD, MASONRY OR CONCRETE.
- 6) TRIBUTARY WIDTH = W = (A+B)/2
- 7) REFER TO SHEET 8 FOR INSTALLATION DETAILS.
- 8) WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



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BILL OF MATERIALS			
ITEM	DESCRIPTION	MATERIAL	MANUFACTURER
1A	4-9/16" JOINING PLATE	FIBERGLASS	ANDERSEN CORPORATION
1B	6-9/16" JOINING PLATE	FIBERGLASS	ANDERSEN CORPORATION
2	TRIM STRIP	ARPVC	ANDERSEN CORPORATION
3	ALIGNMENT SPACER, JOINING PLATE ASER/WW/TW/FF/DOORS	PVC	ANDERSEN CORPORATION
4	INTERSECTION BRACKET	GALVANIZED STEEL	ANDERSEN CORPORATION
5	END PLUG	GLASS FILLED NYLON	ANDERSEN CORPORATION
6A	UNIVERSAL GUSSET, FLANGE, 18	GALVANIZED STEEL	ANDERSEN CORPORATION
6B	UNIVERSAL GUSSET, FLAT, 18	GALVANIZED STEEL	ANDERSEN CORPORATION
7	JOIN IN OPENING PLUG/SEAL	GLASS FILLED NYLON	ANDERSEN CORPORATION
8A	HALF GUSSET, TYPE A	GALVANIZED STEEL	ANDERSEN CORPORATION
8B	HALF GUSSET, TYPE B	GALVANIZED STEEL	ANDERSEN CORPORATION
9A	A SERIES, FLANGE, GUSSET, 12	GALVANIZED STEEL	ANDERSEN CORPORATION
9B	A SERIES FLAT GUSSET, 12	GALVANIZED STEEL	ANDERSEN CORPORATION
10A	A SERIES GUSSET, 18	GALVANIZED STEEL	ANDERSEN CORPORATION
10B	A SERIES FLAT GUSSET, 18	GALVANIZED STEEL	ANDERSEN CORPORATION
11A	FIXED BRACKET	GALVANIZED STEEL	ANDERSEN CORPORATION
11B	SLIDE BRACKET	GALVANIZED STEEL	ANDERSEN CORPORATION
12A	SLIDE GUSSET TYPE A	GALVANIZED STEEL	ANDERSEN CORPORATION
12B	SLIDE GUSSET TYPE B	GALVANIZED STEEL	ANDERSEN CORPORATION



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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TITLE: A-SERIES REINFORCED
MULLION ASSEMBLY
(WZ3)/(IMPACT)

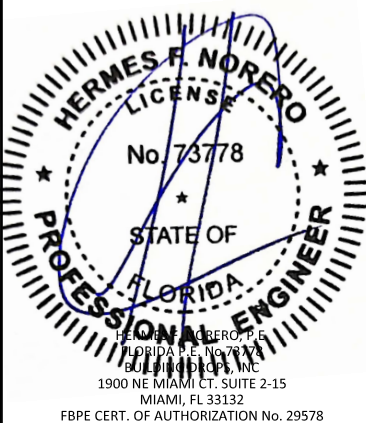
B.O.M. & COMPONENTS

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



REMARKS	BY	DATE
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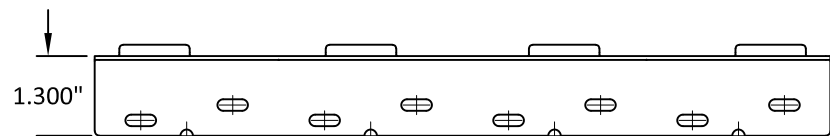
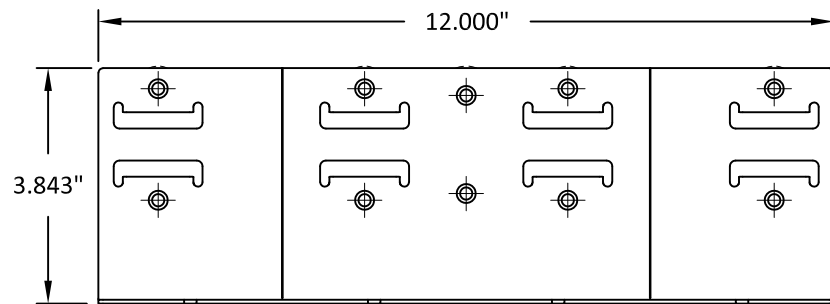
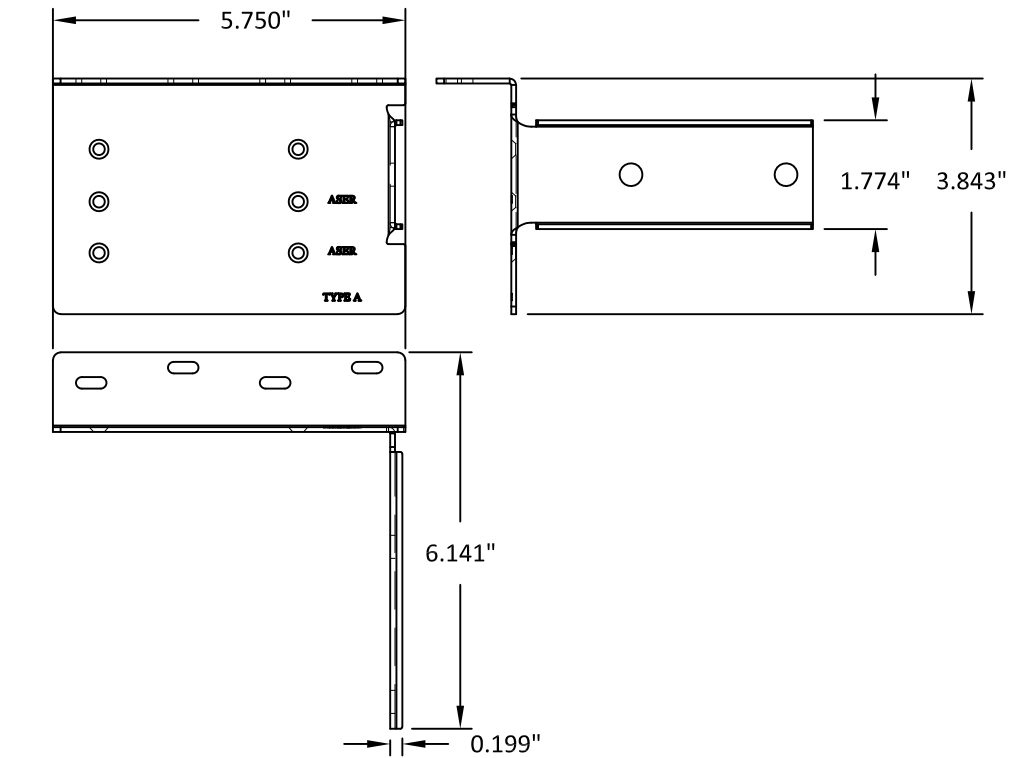


FL #:	FL15922
DATE:	10.17.19
DWG. BY:	JA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD265
SHEET:	17
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8A HALF GUSSET, TYPE A
14 GA. GALVANIZED STEEL

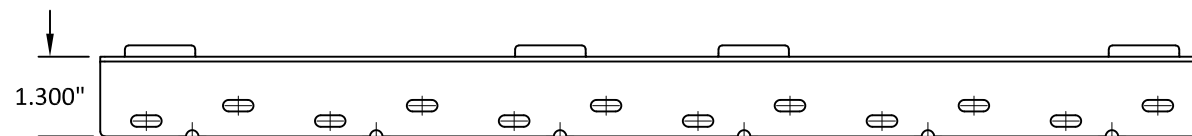
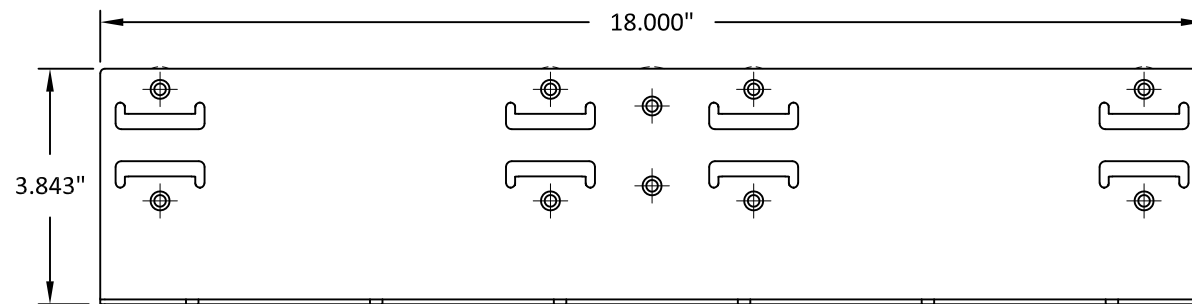
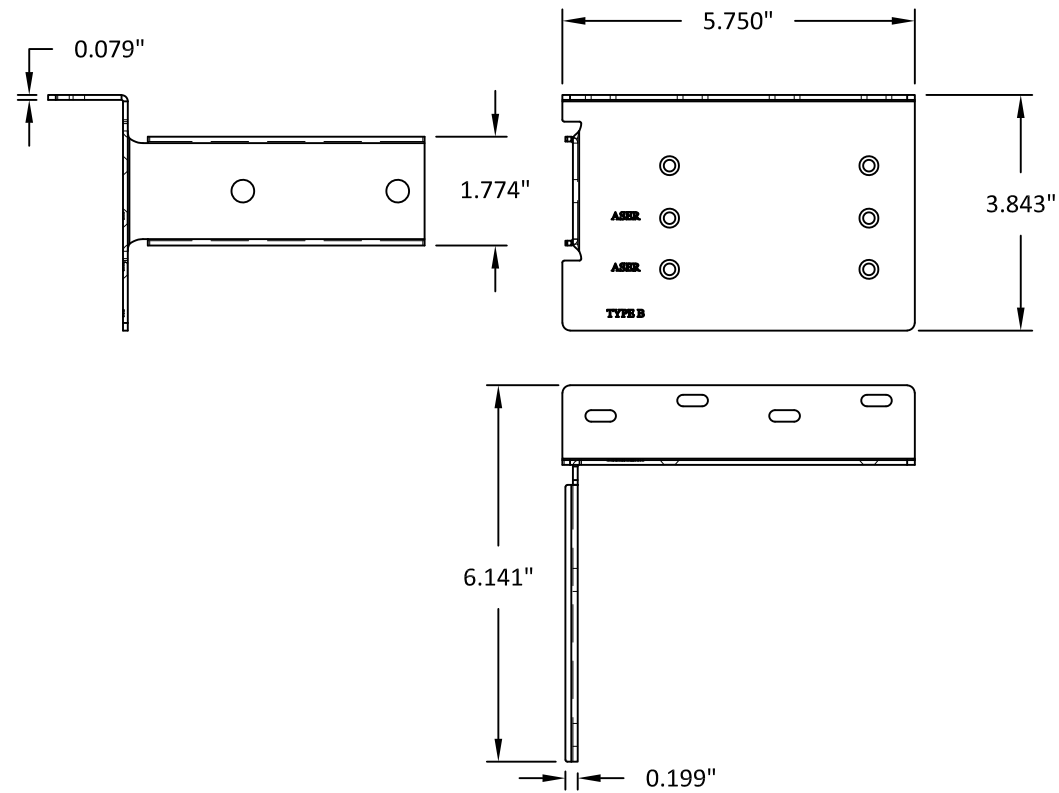


9A A SERIES GUSSET, FLANGE, 12
14 GA. GALVANIZED STEEL



9B A SERIES FLAT GUSSET, FLAT, 12
14 GA. GALVANIZED STEEL

8B HALF GUSSET, TYPE B
14 GA. GALVANIZED STEEL



10A A SERIES GUSSET, FLANGE, 18
14 GA. GALVANIZED STEEL



10B A SERIES FLAT GUSSET, FLAT, 18
14 GA. GALVANIZED STEEL



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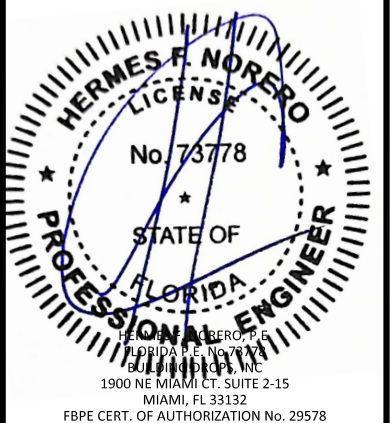
TITLE: A-SERIES REINFORCED
MULLION ASSEMBLY
(WZ3)/(IMPACT)
COMPONENTS (1)

PREPARED BY:
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MIAMI, FL 33132
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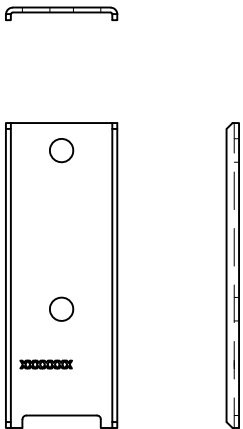
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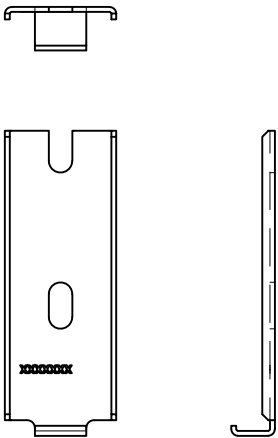
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SHEET:	18

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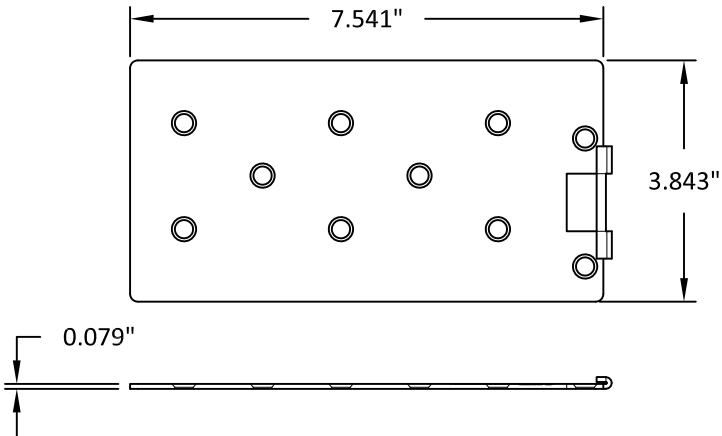
11A
FIXED BRACKET
14 GA. GALVANIZED STEEL



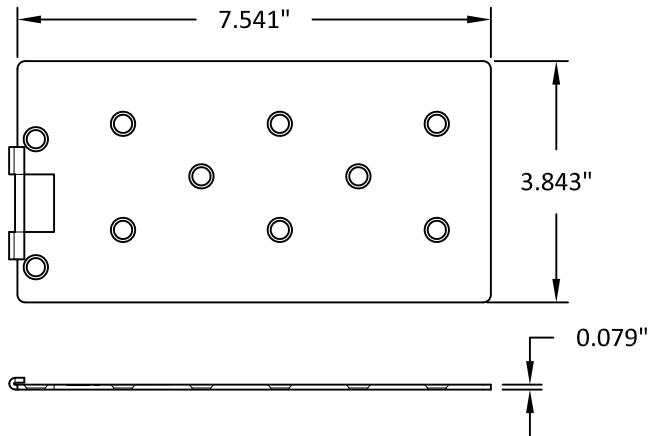
11B
SLIDE BRACKET
14 GA. GALVANIZED STEEL



12A
SLIDE GUSSET, TYPE A
14 GA. GALVANIZED STEEL



12B
SLIDE GUSSET, TYPE B
14 GA. GALVANIZED STEEL



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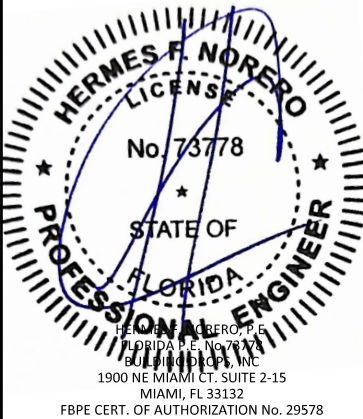
TITLE: A-SERIES REINFORCED
MULLION ASSEMBLY
(WZ3)/(IMPACT)
COMPONENTS (2)

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