



Product Approval
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FL #	FL19971-R7																		
Application Type	Revision																		
Code Version	2023																		
Application Status	Approved																		
Comments																			
Archived	<input type="checkbox"/>																		
Product Manufacturer	Andersen Corporation																		
Address/Phone/Email	100 Fourth Avenue North Bayport, MN 55003 (651) 264-5308 alan.barstad@AndersenCorp.com																		
Authorized Signature	Alan Barstad alan.barstad@AndersenCorp.com																		
Technical Representative																			
Address/Phone/Email																			
Quality Assurance Representative	Alan Barstad																		
Address/Phone/Email	100 Fourth Avenue North Bayport, MN 55003 (651) 264-5308 abarstad@andersencorp.com																		
Category	Windows																		
Subcategory	Mullions																		
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received																		
Florida Engineer or Architect Name who developed the Evaluation Report	Hermes F. Norero, P.E.																		
Florida License	PE-73778																		
Quality Assurance Entity	Window and Door Manufacturers Association-QA																		
Quality Assurance Contract Expiration Date	12/16/2030																		
Validated By	Zachary R. Priest, P.E. <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received																		
Certificate of Independence	FL19971_R7_COI_COI Andersen Corporation_SS 2024-04-30.pdf																		
Referenced Standard and Year (of Standard)	<table> <thead> <tr> <th>Standard</th><th>Year</th></tr> </thead> <tbody> <tr> <td>AAMA 450</td><td>2010</td></tr> <tr> <td>AAMA 450</td><td>2020</td></tr> <tr> <td>ASTM E283</td><td>2004</td></tr> <tr> <td>ASTM E330</td><td>2014</td></tr> <tr> <td>ASTM E331</td><td>2000</td></tr> <tr> <td>TAS 201</td><td>1994</td></tr> <tr> <td>TAS 202</td><td>1994</td></tr> <tr> <td>TAS 203</td><td>1994</td></tr> </tbody> </table>	Standard	Year	AAMA 450	2010	AAMA 450	2020	ASTM E283	2004	ASTM E330	2014	ASTM E331	2000	TAS 201	1994	TAS 202	1994	TAS 203	1994
Standard	Year																		
AAMA 450	2010																		
AAMA 450	2020																		
ASTM E283	2004																		
ASTM E330	2014																		
ASTM E331	2000																		
TAS 201	1994																		
TAS 202	1994																		
TAS 203	1994																		

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

04/30/2024

Date Validated

05/02/2024

Date Pending FBC Approval

05/07/2024

Date Approved

06/18/2024

Summary of Products

FL #	Model, Number or Name	Description
19971.1	Renewal by Andersen Daylight Mullion (Non-HVHZ) (Non-Impact)	Renewal by Andersen Daylight Mullion (Non-HVHZ) (Non-Impact)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See Installation Instructions and Product Evaluation Report for allowable design pressures, sizes, configurations, installation requirements and limits of use.		Installation Instructions FL19971 R7 II AWD333 SS 2024-05-02.pdf Verified By: Hermes F. Norero Florida P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19971 R7 AE PER8482 SS 2024-05-02.pdf Created by Independent Third Party: Yes
19971.2	Renewal by Andersen High Performance Mullion (HVHZ) (Impact)	Fiberglass Mullion
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See Installation Instructions and Product Evaluation Report for allowable design pressures, sizes, configurations, installation requirements and limits of use.		Installation Instructions FL19971 R7 II AWD290 SS 2021-12-17.pdf Verified By: Hermes F. Norero, P.E. Florida P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19971 R7 AE PER7603 SS 2021-12-17.pdf Created by Independent Third Party: Yes
19971.3	Renewal by Andersen High Performance Mullion (WZ3) (Impact)	Fiberglass Mullion
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See Installation Instructions and Product Evaluation Report for allowable design pressures, sizes, configurations, installation requirements and limits of use.		Installation Instructions FL19971 R7 II AWD295 SS 2021-12-17.pdf Verified By: Hermes F. Norero, P.E. Florida P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19971 R7 AE PER7810 SS 2021-12-17.pdf Created by Independent Third Party: Yes
19971.4	Renewal by Andersen Mullion System (Non-HVHZ) (Non-Impact)	Fiberglass Mullion
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See Installation Instructions and Product Evaluation Report for allowable design pressures, sizes, configurations, installation requirements and limits of use.		Installation Instructions FL19971 R7 II AWD142 SS 2023-06-19.pdf Verified By: Hermes F. Norero, P.E. Florida P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports FL19971 R7 AE PER5881 SS 2023-06-19.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:





398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Product Evaluation Report

of

**Andersen Corporation
Renewal by Andersen
Mullion System
(Non-HVHZ) (Non-Impact)**

for

Florida Product Approval

FL# FL19971

Report No. 5881

Current Florida Building Code

Method: 1 – D (Engineering Evaluation)
Category: Windows
Sub – Category: Mullions

**Product: Renewal by Andersen Mullion System
(Non-HVHZ) (Non-Impact)**

Materials: Fiberglass

Product Dimensions: See Installation Instructions, AWD142

Prepared for:

**Andersen Corporation
100 Fourth Ave. North
Bayport, MN 55003-1096**

Prepared by:

Hermes F. Norero, P.E.

Florida Professional Engineer # 73778

Date: 3/17/2023

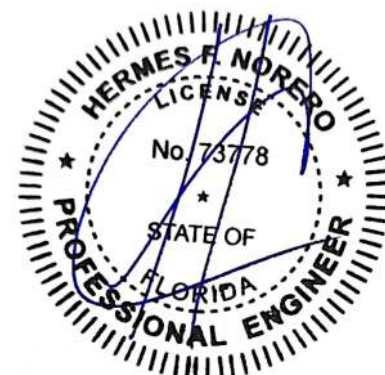
Contents:

Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.

Reason: I am approving this document

Date: 2023.06.19 17:18:36 -04'00'



Hermes F. Norero, P.E.
Florida P.E. No. 73778

398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Manufacturer: Andersen Corporation

Product Category: Windows

Product Sub-Category: Mullions

Compliance Method: State Product Approval Method (1)(d)

Product Name: Renewal by Andersen Mullion System
(Non-HVHZ) (Non-Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Andersen Corporation** based on Method 1d of the State of Florida Product Approval, Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the current Florida Building Code.

See Installation Instructions **AWD142**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the current Florida Building Code, **excluding** the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and **does require** an impact resistant covering.
4. Site conditions that deviate from the details of installation instructions **AWD142** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **AWD142** for size and design pressure limitations.

398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Quality Assurance:

The manufacturer has demonstrated compliance of manufacture of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Window and Door Manufactures Association** (FBC Organization # QUA2515).

Performance Standards:

The product described herein has been evaluated per:

- AAMA 450-10
- ASTM E330-14
- ASTM E331-(00)09

Referenced Data:

1. Product Testing Performed by **Architectural Testing, Inc.**
(FBC Organization # TST1795)
Report: F1862.01-201-47 Dated: 10/06/15
F1863.01-201-47 10/06/15
F1864.01-201-47 10/06/15
F5051.01-201-44 02/09/16
F5052.01-201-44 02/16/16
2. Quality Assurance
Window and Door Manufactures Association
(FBC Organization #: QUA2515)

Installation:

Refer to Installation Instructions (**AWD142**) for anchor types, spacing, and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**AWD142**) for design pressure configurations.

Equivalence of Test Standards:

Various test standards have been evaluated for differences in test methodology, if any, between tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. Andersen Corporation has tested their products to the following test standard edition(s):

- 1) ASTM E330-02

Chapter 35 of the current Florida Building Code references the following editions of the above mentioned test standards:

- 1) ASTM E330-14

After review of the above mentioned referenced standards and editions, it has been found that the results and tests carried out meet the requirements for compliance. All referenced standards have been found to be equivalent.

s:\projects\renewal by andersen of central florida\cc-23-0311 - code change - fbc submittal (8th edition)\code change\dwgs\revisions\fl19971\awd142.dwg 3/17/2023 10:47 AM

ANDERSEN CORPORATION

RENEWAL by ANDERSEN MULLION SYSTEM

(NON-HVHZ)(NON-IMPACT)

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 FH WOOD SCREWS. INSTALLATION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

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

4.2. MINIMUM EDGE DISTANCE OF 3/4 INCH.

4.3. MINIMUM O.C. DISTANCE OF 3/4 INCH.
5. FOR INSTALLATION THROUGH METAL FRAME USE #10 FH SELF-DRILLING OR SELF-TAPPING, 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 INCH.

5.3. MINIMUM O.C. DISTANCE OF 3/4 INCH.
6. FOR INSTALLATION INTO CONCRETE/MASONRY SUBSTRATES USE *1/4* INCH. *FH ITW TAPCON* ANCHORS. INSTALLATION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.

6.1. MINIMUM EMBEDMENT OF 1-3/4 INCH. INTO SUBSTRATE

6.2. MINIMUM EDGE DISTANCE OF 2 INCH.

6.3. MINIMUM O.C. DISTANCE OF 3 INCH.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE 1X BUCKING, 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. 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.
10. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

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

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 INCH. MINIMUM THICKNESS (6063-T5)

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 FOLLOWING:

• AAMA 450-10

• ASTM E330-14

• ASTM E331-00 (09)
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 PERA OR AHJ.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. MULLION MATERIAL: *FIBERGLASS*
7. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.
8. INTERIOR TRIM OPTIONS MAY VARY IN ACCORDANCE WITH ANDERSEN'S RECOMMENDATIONS.
9. MULL ASSEMBLIES ARE QUALIFIED FOR TWO OR MORE UNITS PER OPENING IN THE FOLLOWING CONFIGURATION:

• "ONE WAY" - RIBBON OR STACKED MULLIONS

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SHEET	SHEET DESCRIPTION
1	GENERAL AND INSTALLATION NOTES
2	MULL ASSEMBLY SECTIONS (1)
3	MULL ASSEMBLY SECTIONS (2)
4	MULL ASSEMBLY SECTIONS (3)
5	INSTALLATION DETAILS
6	ONE-WAY LOAD TABLE: WOOD, METAL STUD, OR CONCRETE INSTALL.
7	ONE-WAY LOAD TABLE: HOLLOW BLOCK OR GROUT FILLED CMU INSTALL.
8	BOM & COMPONENTS

PRODUCT ABBREVIATION KEY	
ABBREVIATION	PRODUCT NAME
CS-EJ =	Casement Window - EJ Frame
DB-FULL =	Full Double Hung
PW-FULL =	Full Picture Window
PWU-EJ =	Univ. Picture Window - EJ Frame
GL-EJ =	Gliding Window - EJ Frame
CS-BASE =	Casement Window - Base Frame
DB-INSERT =	Insert Double Hung
PWU-BASE =	Univ. Picture Window - Base Frame
PW-INSERT =	Insert Picture Window
GL-BASE =	Gliding Window - Base Frame
DG -BASE =	DOUBLE HUNG - BASE FRAME
DG -EJ =	DOUBLE HUNG - EJ FRAME
DG -INSERT =	DOUBLE HUNG - INSERT FRAME

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).
- STEP 3: DETERMINE ALLOWABLE LOAD OF MULL ASSEMBLY FROM APPLICABLE LOAD TABLE, REFER TO SHEETS 6 & 7.
- STEP 4: INSTALL MULLION BASED ON APPLICABLE SPECIFICATIONS & DETAILS SHOWN ON SHEET 5.

MISSILE IMPACT RATING
NON-IMPACT



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

TITLE: RENEWAL by ANDERSEN
MULLION SYSTEM
(NON-HVHZ)(NON-IMPACT)

GENERAL AND
INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

DANIA BEACH, FL 33004

PH: (954) 399-8478

FAX: (954) 744-4738

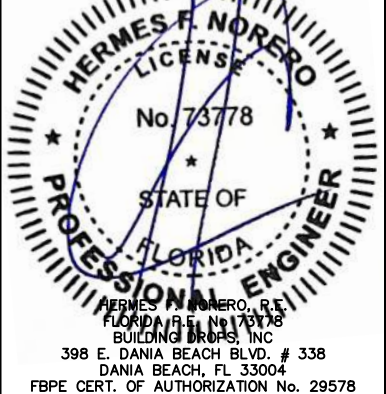
WEB: www.buildingdrops.com



REMARKS	BY	DATE
6TH FBC CODE CHANGE	HR	8.15.17
ASSEMBLIES ADDITION	HR	3.9.18
8TH FBC CODE CHANGE	SH	3.17.23

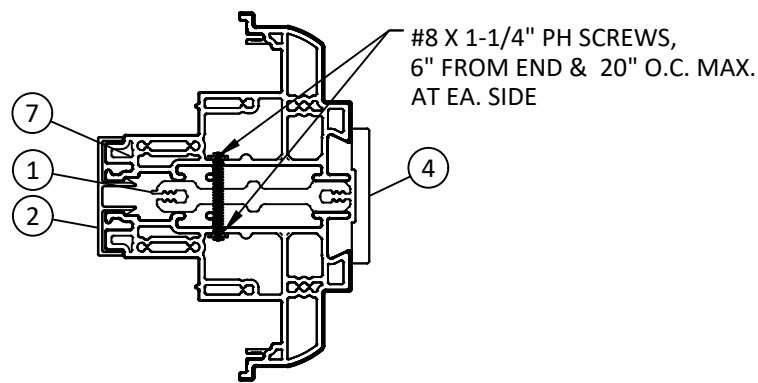
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Reason: I am approving this document
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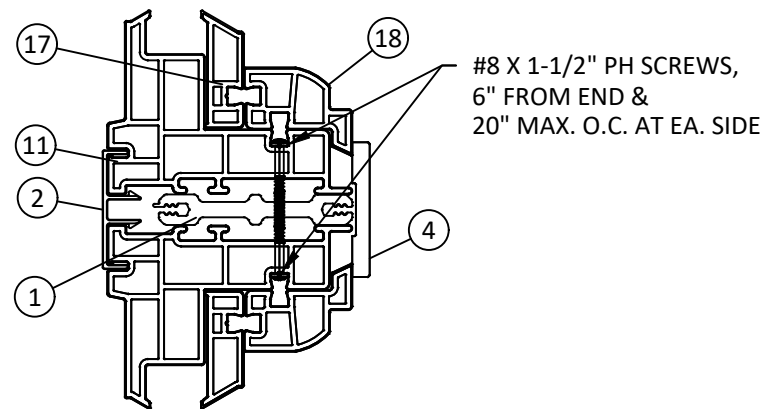


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HR	HFN	
SCALE:		NTS
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SHEET:		1
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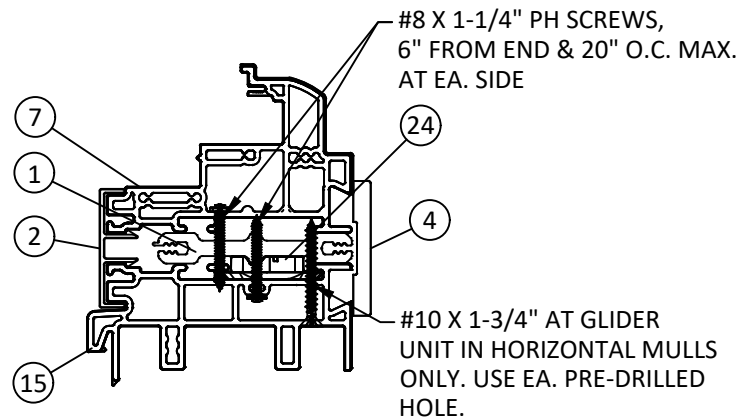
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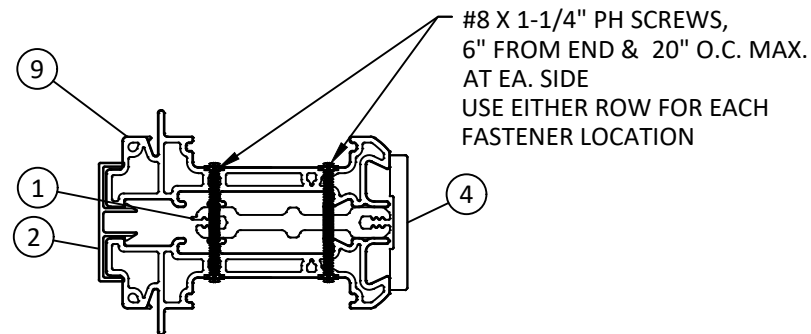
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2 **CS-EJ TO CS-EJ**
VERTICAL OR HORIZONTAL MULL



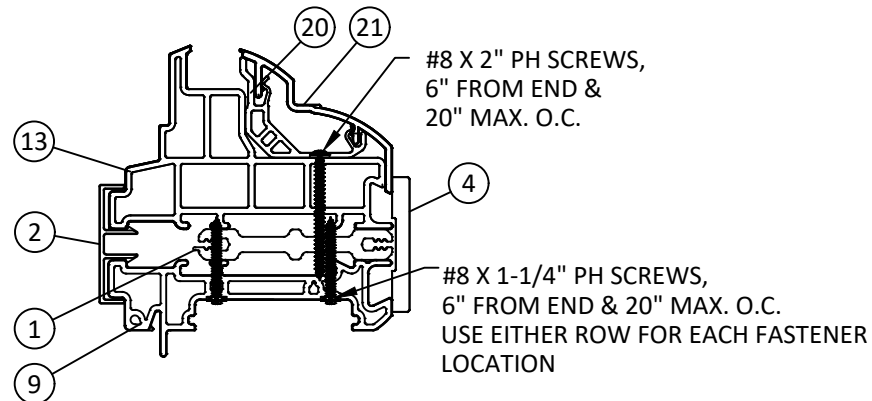
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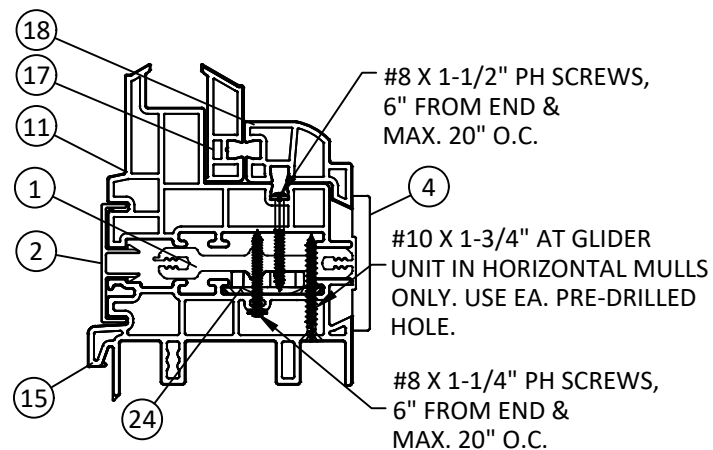
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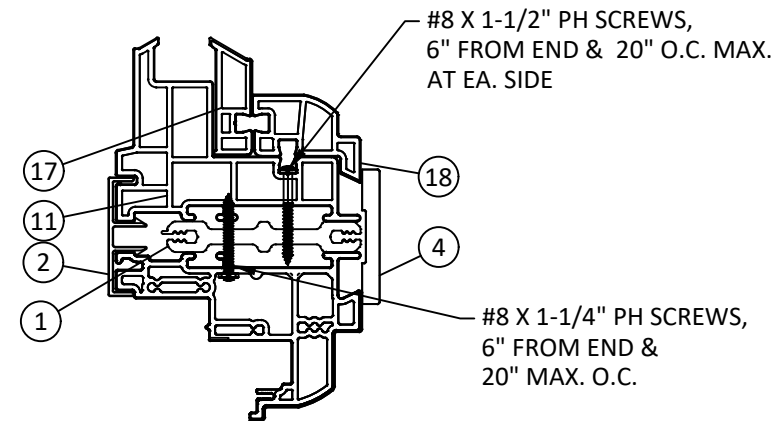
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VERTICAL MULL



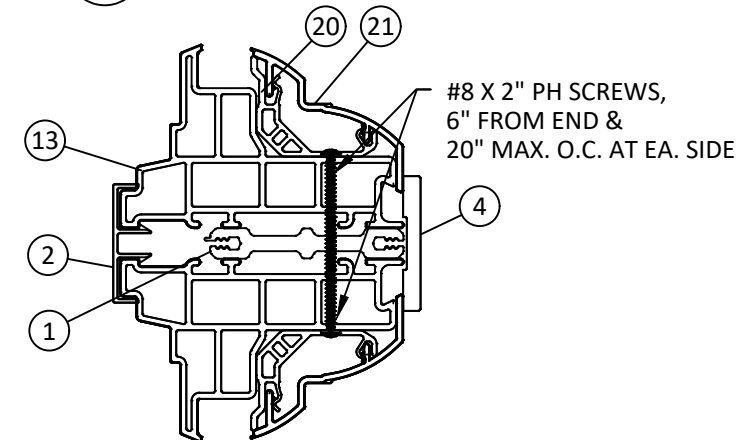
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VERTICAL OR HORIZONTAL MULL



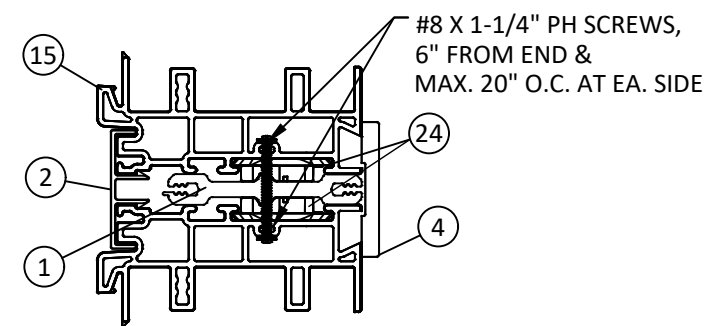
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2 **GL-EJ TO PWU-EJ**
VERTICAL OR HORIZONTAL MULL



C
2 **PWU-EJ TO CS-EJ**
VERTICAL OR HORIZONTAL MULL



F
2 **PW-FULL TO PW-FULL**
VERTICAL OR HORIZONTAL MULL



I
2 **GL-EJ TO GL-EJ**
VERTICAL MULL



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

TITLE: RENEWAL by ANDERSEN
MULLION SYSTEM
(NON-HVHZ)/(NON-IMPACT)
MULL ASSEMBLY SECTIONS (1)

PREPARED BY:
BUILDING DROPS, INC.
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REMARKS	BY	DATE
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ASSEMBLIES ADDITION	HR	3.9.18
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FL #:
FL19971

DATE: **08.15.17**

DWG. BY: **HR** CHK. BY: **HFN**

SCALE: **NTS**

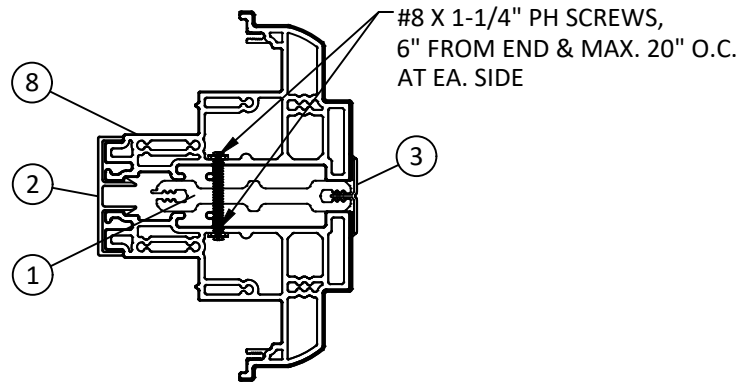
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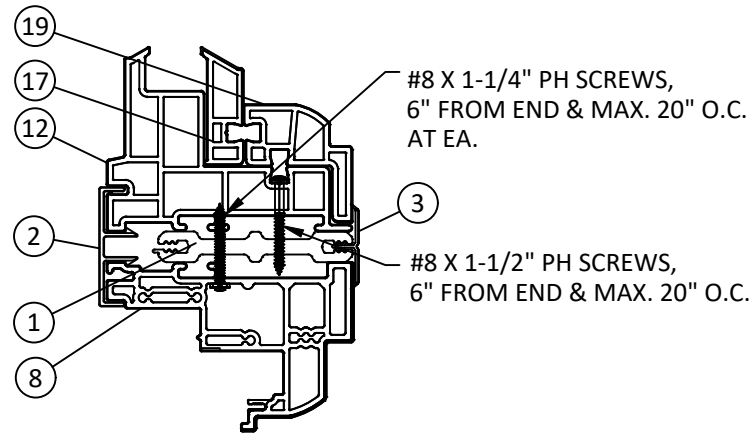
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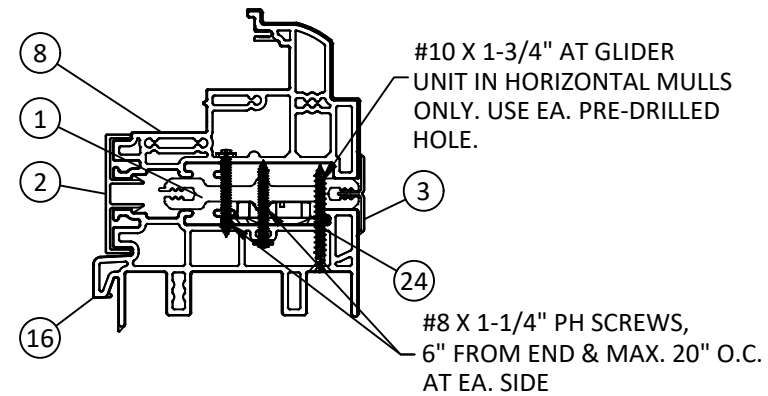
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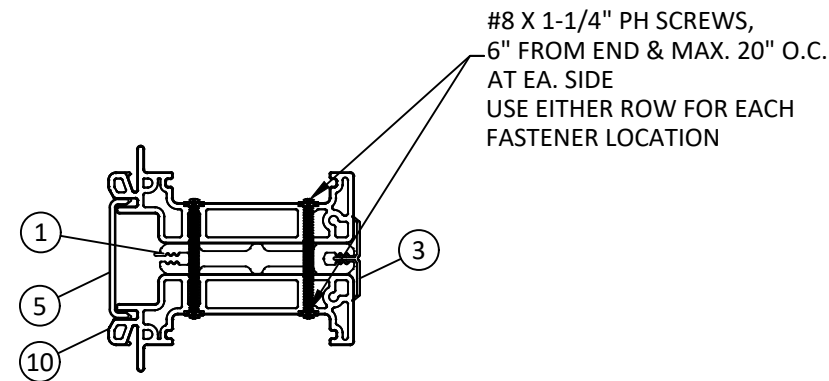
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3 **CS-BASE TO CS-BASE**
VERTICAL OR HORIZONTAL MULL



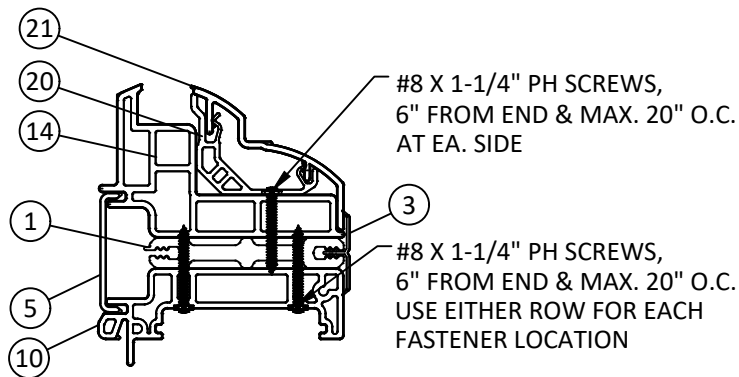
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VERTICAL OR HORIZONTAL MULL



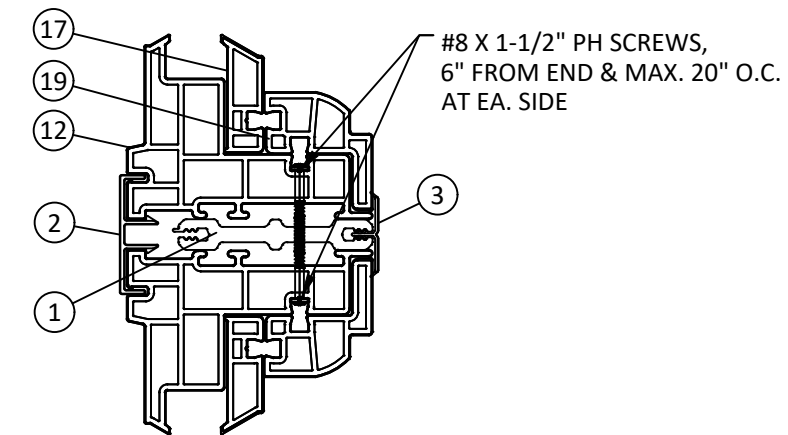
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3 **GL-BASE TO CS-BASE**
VERTICAL OR HORIZONTAL MULL



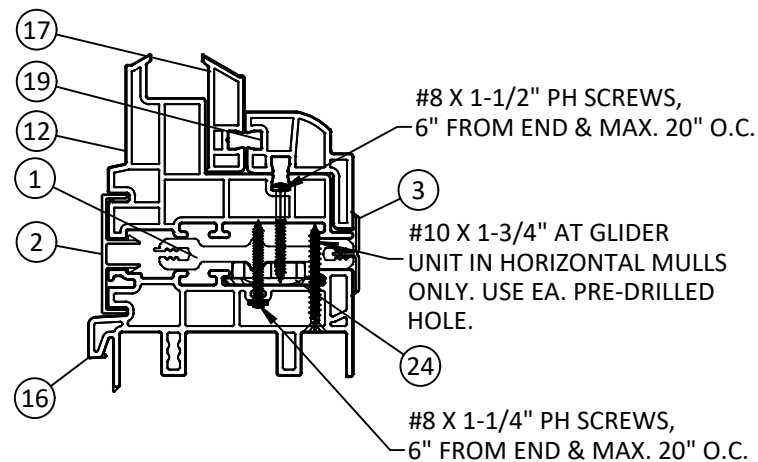
D
3 **DB-INSERT TO DB-INSERT**
VERTICAL MULL



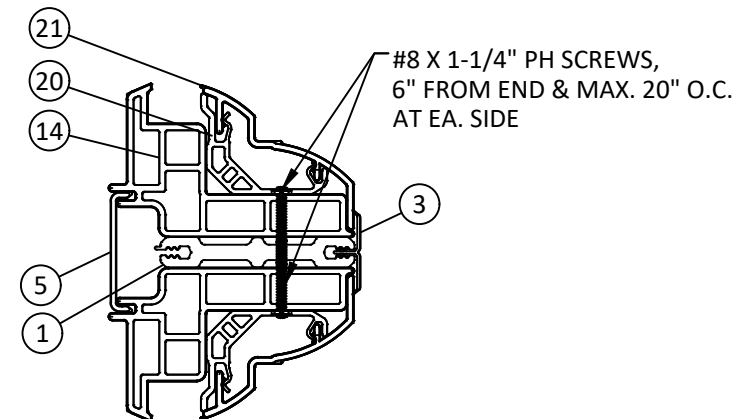
E
3 **PW-INSERT TO DB-INSERT**
VERTICAL OR HORIZONTAL MULL



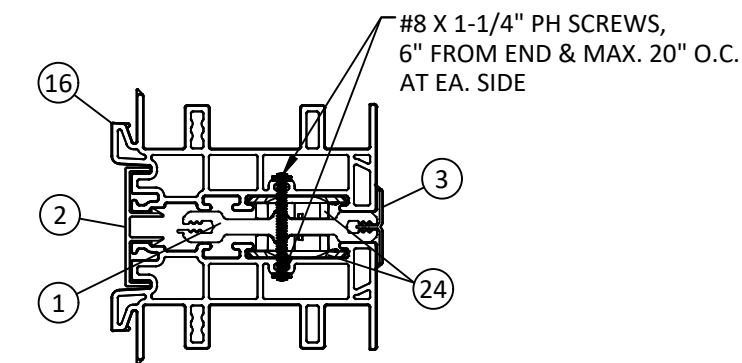
F
3 **PWU-BASE TO PWU-BASE**
VERTICAL OR HORIZONTAL MULL



G
3 **GL-BASE TO PWU-BASE**
VERTICAL OR HORIZONTAL MULL



H
3 **PW-INSERT TO PW-INSERT**
VERTICAL OR HORIZONTAL MULL



I
3 **GL-BASE TO GL-BASE**
VERTICAL MULL



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

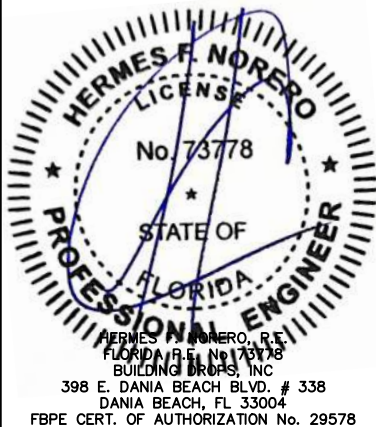
TITLE: RENEWAL by ANDERSEN
MULLION SYSTEM
(NON-HVHZ)/(NON-IMPACT)
MULL ASSEMBLY SECTIONS (2)

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



REMARKS	BY	DATE
6TH FBC CODE CHANGE	HR	8.15.17
ASSEMBLIES ADDITION	HR	3.9.18
8TH FBC CODE CHANGE	SH	8.17.23

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FL #:
FL19971

DATE: **08.15.17**

DWG. BY: HR	CHK. BY: HFN
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SCALE: **NTS**

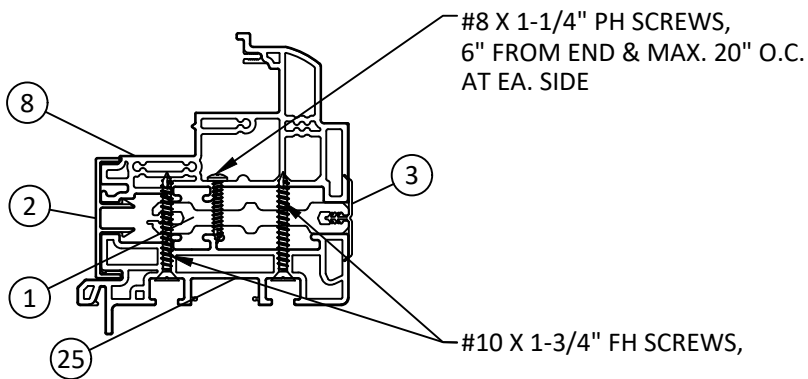
DWG. #: **AWD142**

SHEET:

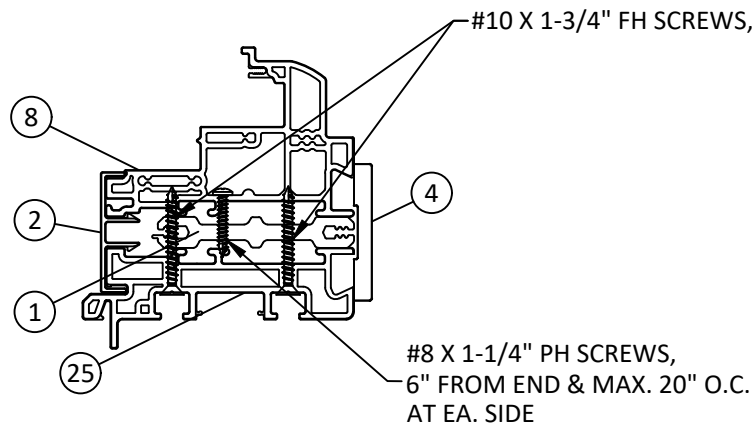
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OF 8

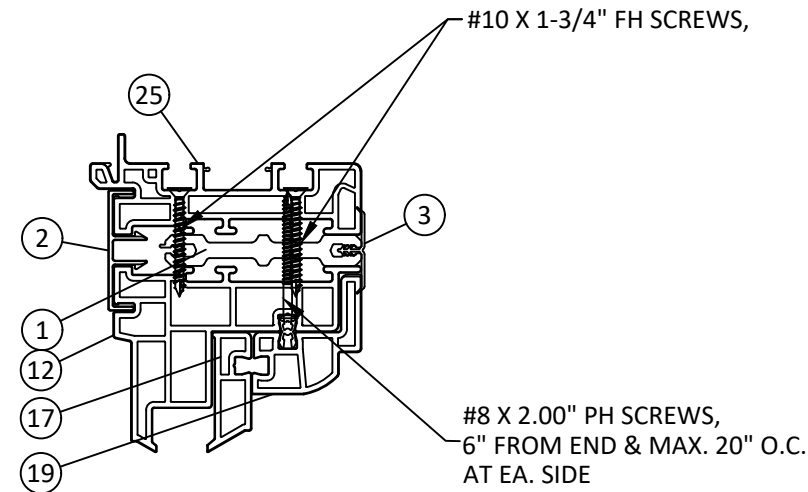
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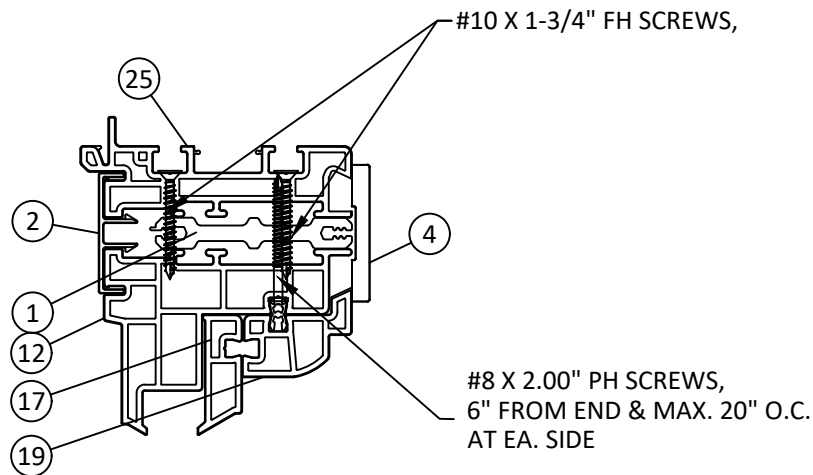
A
4 **DG BASE FRAME TO CS-BASE FRAME**
VERTICAL OR HORIZONTAL MULL



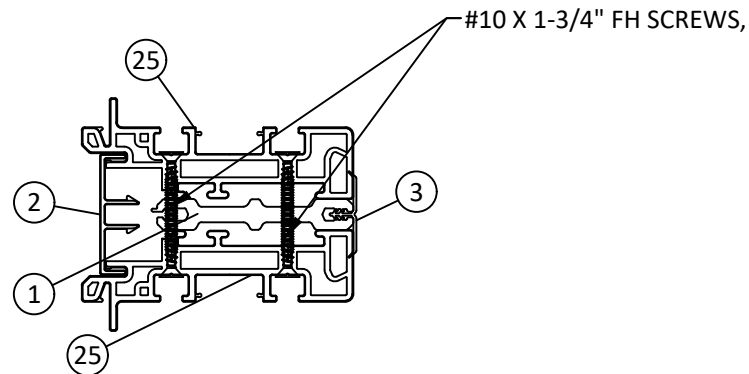
B
4 **DG EJ FRAME TO CS-EJ**
VERTICAL OR HORIZONTAL MULL



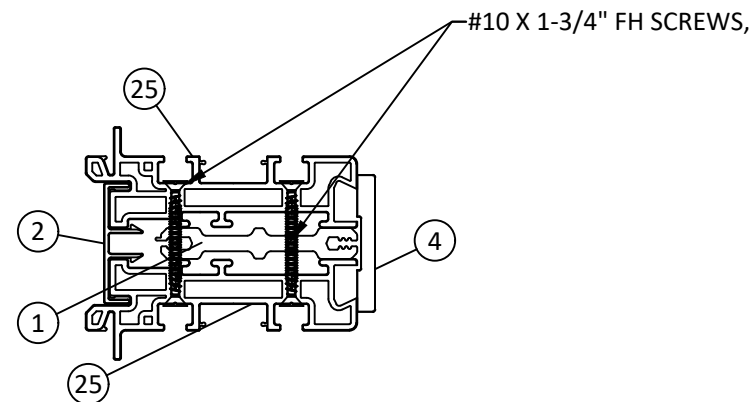
C
3 **DG BASE FRAME TO PWU-BASE**
VERTICAL OR HORIZONTAL MULL



D
4 **DG EJ FRAME TO PWU BASE**
VERTICAL OR HORIZONTAL MULL



E
4 **DG INSERT FRAME TO DG FRAME**
VERTICAL MULL



F
4 **DG EJ FRAME TO DG FRAME**
VERTICAL MULL



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

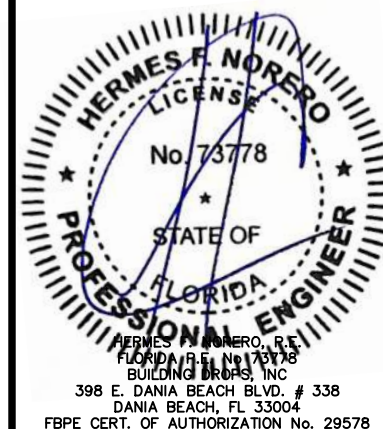
TITLE: RENEWAL by ANDERSEN
MULLION SYSTEM
(NON-HVHZ)/(NON-IMPACT)
MULL ASSEMBLY SECTIONS (3)

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



REMARKS	BY	DATE
6TH FBC CODE CHANGE	HR	8.15.17
ASSEMBLIES ADDITION	HR	3.9.18
8TH FBC CODE CHANGE	SH	3.17.23

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FL19971

DATE: **08.15.17**

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SCALE: **NTS**

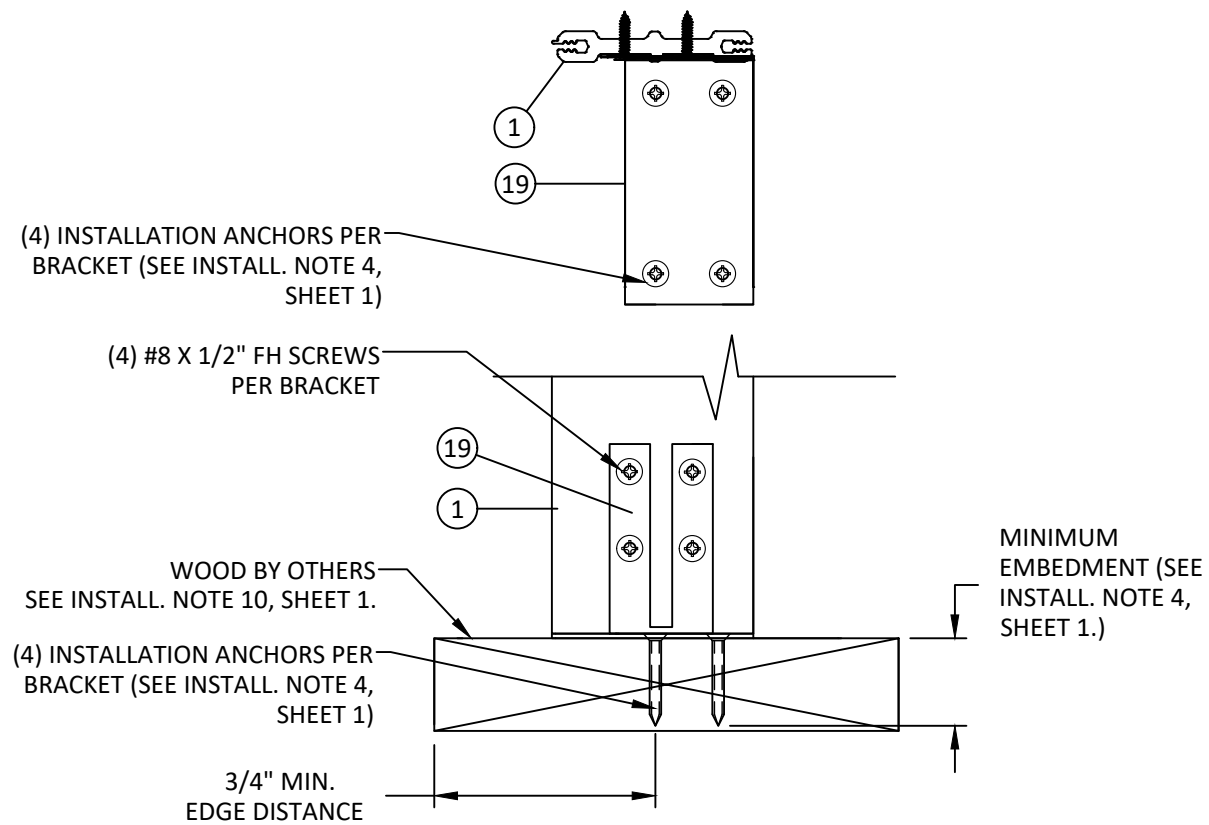
DWG. #: **AWD142**

SHEET:

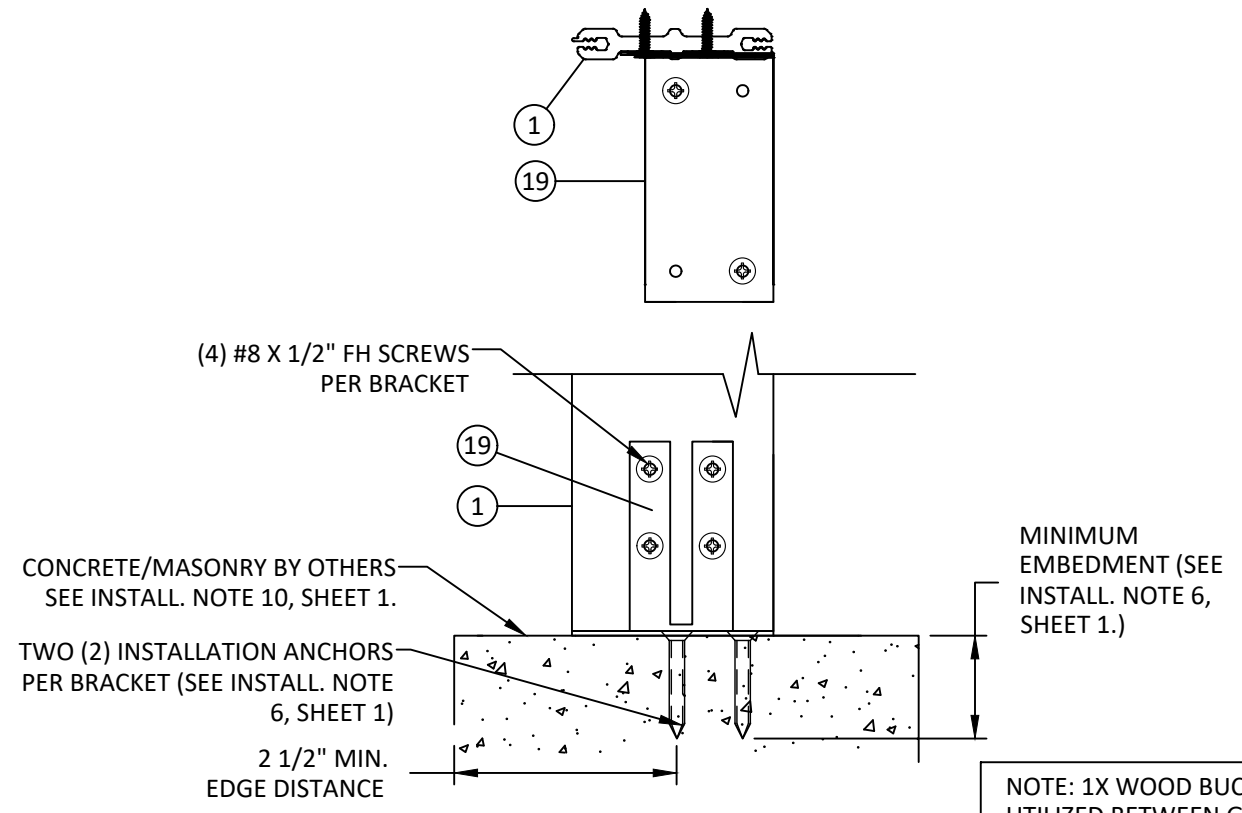
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OF 8

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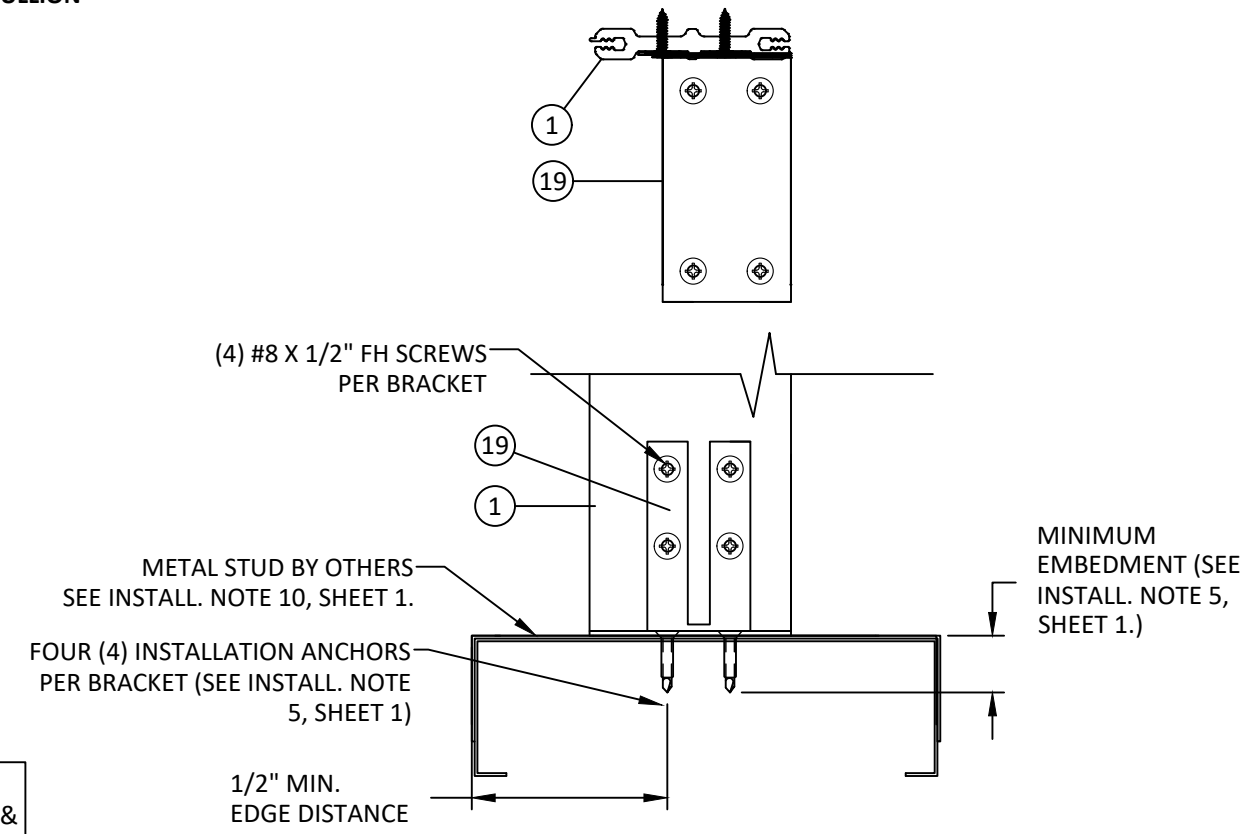


A
5 **VERTICAL SECTION**
GUSSET INSTALLATION - WOOD
3-1/4" MULLION



B
5 **VERTICAL SECTION**
GUSSET INSTALLATION - CONC./MASONRY
3-1/4" MULLION

NOTE: 1X WOOD BUCK MAY BE UTILIZED BETWEEN GUSSET CLIP & CONCRETE/MASONRY.



C
5 **VERTICAL SECTION**
GUSSET INSTALLATION - METAL STUD
3-1/4" MULLION



RENEWAL
by **ANDERSEN**
FULL-SERVICE WINDOW & DOOR REPLACEMENT

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

RENEWAL by ANDERSEN

MULLION SYSTEM

(NON-HVHZ)/(NON-IMPACT)

INSTALLATION DETAILS

PREPARED BY:

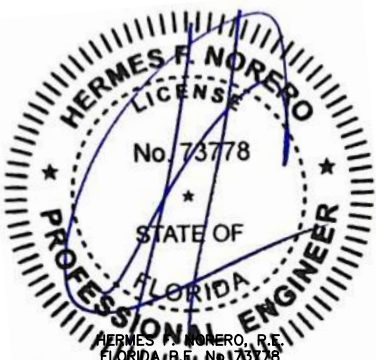
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
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BUILDING DROPS

REMARKS	BY	DATE
6TH FBC CODE CHANGE	HR	8.15.17
ASSEMBLIES ADDITION	HR	3.9.18
8TH FBC CODE CHANGE	SH	8.17.23

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HERMES F. NORERO, P.E.
FLORIDA REG. NO. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL19971

DATE: **08.15.17**

DWG. BY:
HR

CHK. BY:
HFN

SCALE: **NTS**

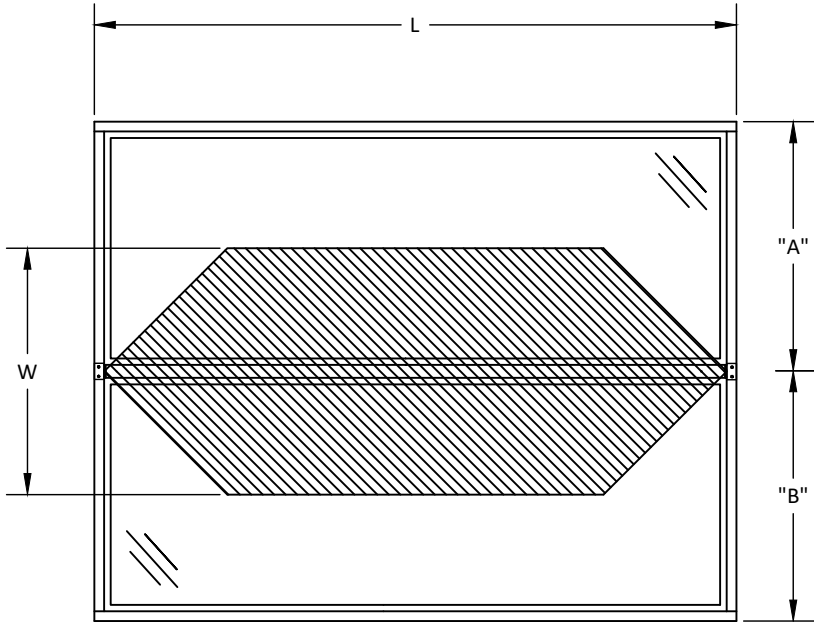
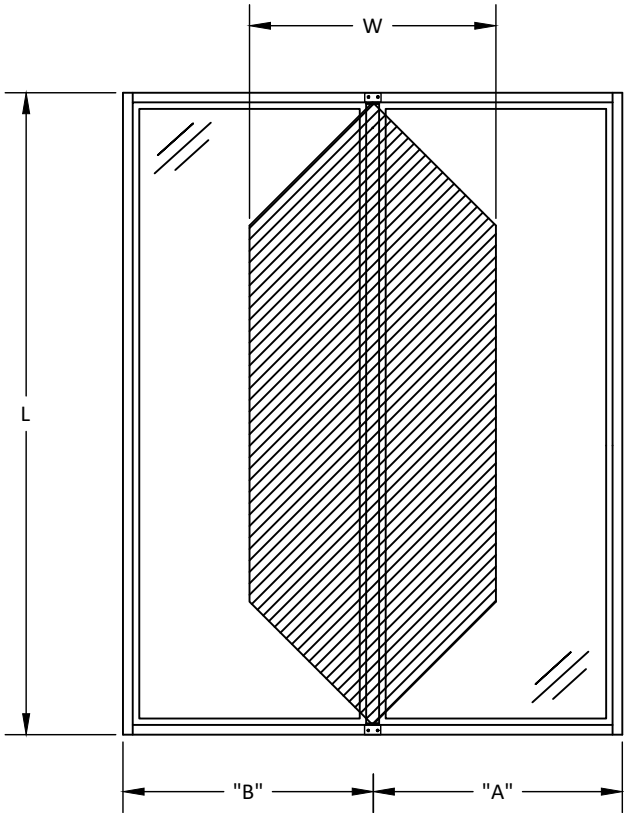
DWG. #: **AWD142**

SHEET:
5

OF 8

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): WOOD/METAL STUD/CONCRETE INSTALLATIONS														
L - Mull Length (in)	W - Tributary Width (in)													
	18.0	21.0	24.0	27.0	30.0	33.0	34.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
24.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
30.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
36.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
42.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
48.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	63.0	62.0	62.0	62.0	62.0	62.0
54.0	65.0	65.0	65.0	65.0	61.0	57.7	56.8	55.1	51.5	49.6	49.0	49.0	49.0	49.0
60.0	65.0	65.0	62.0	56.9	52.9	49.7	48.8	47.2	43.6	41.3	40.1	39.7	39.7	39.7
66.0	65.0	61.3	55.1	50.4	46.7	43.7	42.9	41.3	37.8	35.4	33.9	33.1	32.8	32.8
72.0	63.0	55.3	49.6	45.2	41.8	39.0	38.2	36.7	33.3	31.0	29.0	27.6	26.8	26.5
77.0	58.3	51.1	45.8	41.6	38.4	35.8	35.0	33.3	29.4	26.6	24.6	23.2	22.3	21.8
78.0	57.5	50.4	45.1	41.0	37.8	34.9	34.0	32.4	28.6	25.8	23.9	22.5	21.6	21.0
84.0	52.8	45.5	40.1	35.9	32.6	29.9	29.1	27.7	24.3	21.8	20.1	18.8	17.8	17.2
90.0	45.9	39.5	34.8	31.1	28.2	25.8	25.2	23.9	20.9	18.7	17.1	15.9	15.0	-
96.0	40.3	34.7	30.5	27.2	24.7	22.6	22.0	20.9	18.2	16.3	-	-	-	-
102.0	35.6	30.6	26.9	24.1	21.8	19.9	19.4	18.4	16.0	-	-	-	-	-
108.0	31.7	27.3	24.0	21.4	19.4	17.7	17.2	16.3	-	-	-	-	-	-
114.0	28.4	24.5	21.5	19.2	17.3	15.8	15.4	-	-	-	-	-	-	-
120.0	25.7	22.0	19.4	17.3	15.6	-	-	-	-	-	-	-	-	-

- NOTE:
- MULLION CHART APPLIES TO RENEWAL MULLION ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
GUSSET INSTALLATION TO WOOD, METAL STUD, OR CONCRETE
 - TRIBUTARY WIDTH = $W = (A+B)/2$
 - REFER TO SHEET 5 FOR INSTALLATION DETAILS.
 - 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.



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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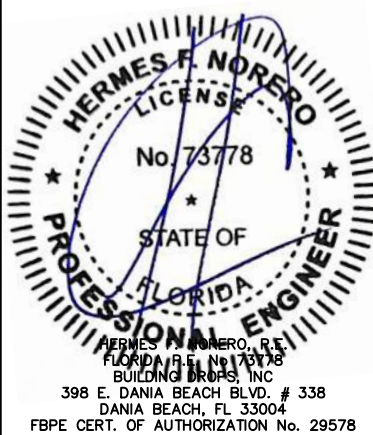
TITLE: RENEWAL by ANDERSEN
MULLION SYSTEM
(NON-HVHZ)/(NON-IMPACT)
ONE WAY LOAD TABLE: WOOD,
METAL STUD, OR CONCRETE INSTALL.

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



REMARKS	BY	DATE
6TH FBC CODE CHANGE	HR	8.15.17
ASSEMBLIES ADDITION	HR	3.9.18
8TH FBC CODE CHANGE	SH	8.17.23

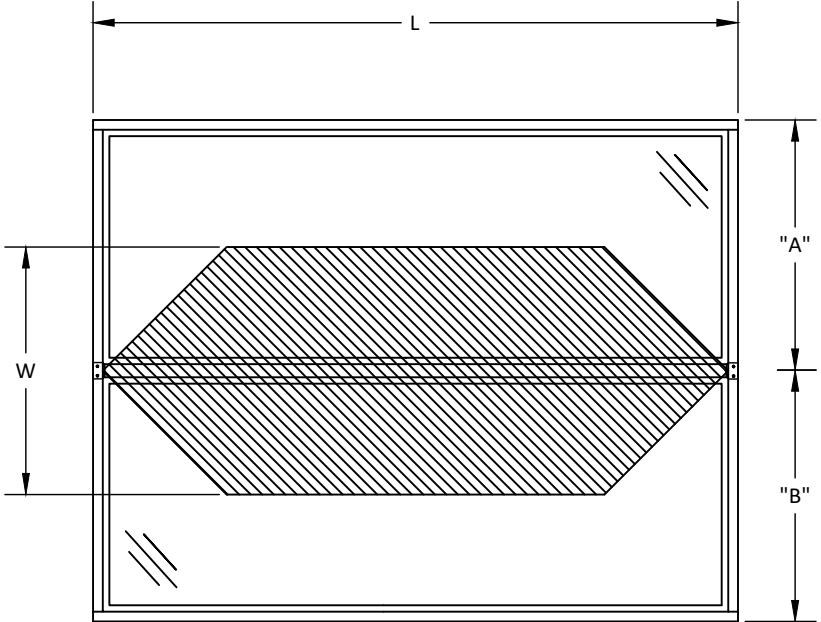
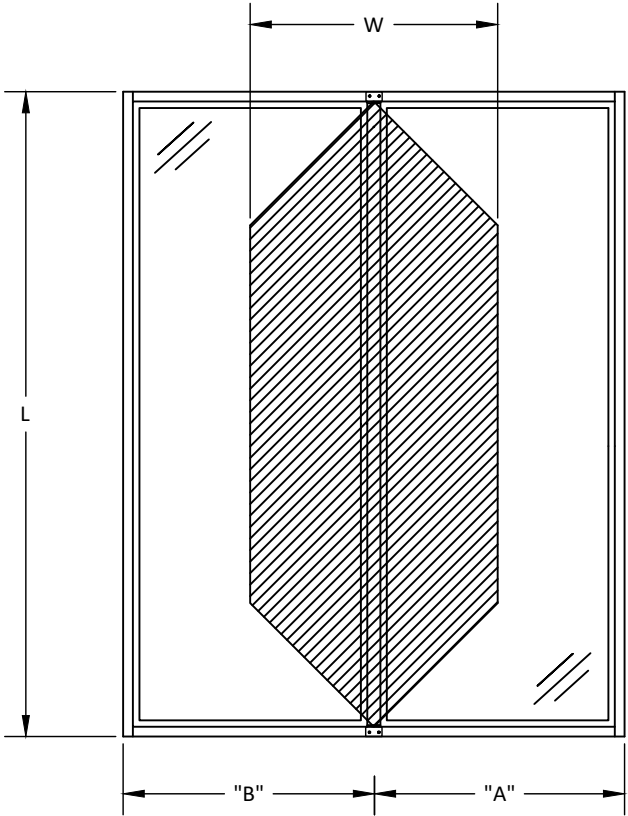
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FL #:	FL19971
DATE:	08.15.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD142
SHEET:	6

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF): HOLLOW BLOCK OR GROUT FILLED CMU INSTALLATIONS														
L - Mull Length (in)	W - Tributary Width (in)													
	18.0	21.0	24.0	27.0	30.0	33.0	34.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
24.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
30.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
36.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
42.0	65.0	65.0	62.0	58.0	55.1	53.0	52.5	51.7	50.6	50.6	50.6	50.6	50.6	50.6
48.0	63.6	56.7	51.7	47.9	45.1	42.9	42.4	41.3	39.4	38.8	38.8	38.8	38.8	38.8
54.0	55.1	48.9	44.3	40.8	38.2	36.1	35.5	34.4	32.2	31.0	30.6	30.6	30.6	30.6
60.0	48.6	42.9	38.8	35.6	33.1	31.1	30.5	29.5	27.3	25.8	25.1	24.8	24.8	24.8
66.0	43.5	38.3	34.4	31.5	29.2	27.3	26.8	25.8	23.6	22.1	21.2	20.7	20.5	20.5
72.0	39.4	34.6	31.0	28.3	26.1	24.4	23.9	23.0	20.8	19.4	18.4	17.7	17.3	17.2
77.0	36.5	32.0	28.6	26.0	24.0	22.4	21.9	21.0	19.0	17.5	16.5	15.8	15.4	15.1
78.0	35.9	31.5	28.2	25.6	23.6	22.0	21.5	20.7	18.6	17.2	16.2	15.5	15.0	-
84.0	33.1	28.9	25.8	23.5	21.6	20.0	19.6	18.8	16.9	15.5	-	-	-	-
90.0	30.6	26.7	23.8	21.6	19.8	18.4	18.0	17.2	15.4	-	-	-	-	-
96.0	28.5	24.9	22.1	20.0	18.4	17.0	16.6	15.9	-	-	-	-	-	-
102.0	26.7	23.2	20.7	18.7	17.1	15.8	15.4	-	-	-	-	-	-	-
108.0	25.1	21.8	19.4	17.5	16.0	-	-	-	-	-	-	-	-	-
114.0	23.6	20.5	18.2	16.5	15.0	-	-	-	-	-	-	-	-	-
120.0	22.3	19.4	17.2	15.5	-	-	-	-	-	-	-	-	-	-

- NOTE:
- MULLION CHART APPLIES TO RENEWAL MULLION ASSEMBLIES, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
GUSSET INSTALLATION TO HOLLOW BLOCK OR GROUT FILLED CMU
 - TRIBUTARY WIDTH = $W = (A+B)/2$
 - REFER TO SHEET 5 FOR INSTALLATION DETAILS.
 - 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.



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

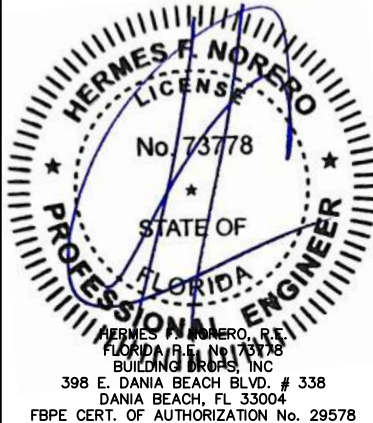
TITLE: RENEWAL by ANDERSEN
MULLION SYSTEM
(NON-HVHZ)/(NON-IMPACT)
ONE WAY LOAD TABLE: HOLLOW
BLOCK OR GROUT FILLED CMU

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
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REMARKS	BY	DATE
6TH FBC CODE CHANGE	HR	8.15.17
ASSEMBLIES ADDITION	HR	3.9.18
8TH FBC CODE CHANGE	SH	3.17.23

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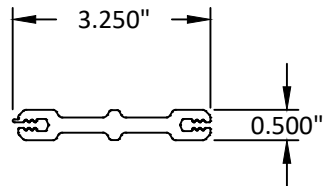


FL #:	FL19971
DATE:	08.15.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD142
SHEET:	7

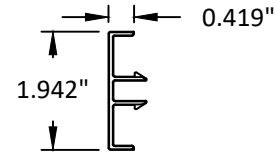
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3/17/2023 10:47 AM

BILL OF MATERIALS			
ITEM	DESCRIPTION	MATERIAL	MANUFACTURER
1	3-1/4" REINFORCED MULLION	FIBERGLASS	ANDERSEN CORPORATION
2	EXTERIOR TRIM (FULL FRAME)	FIBREX®	ANDERSEN CORPORATION
3	INTERIOR TRIM (INSERT FRAME)	PVC	ANDERSEN CORPORATION
4	INTERIOR TRIM (VENEER & FULL FRAME)	WOOD	ANDERSEN CORPORATION
5	EXTERIOR TRIM (INSERT FRAME)	FIBREX®	ANDERSEN CORPORATION
6	NOT USED	---	---
7	CS-EJ FRAME	FIBREX®	ANDERSEN CORPORATION
8	CS-BASE FRAME	FIBREX®	ANDERSEN CORPORATION
9	DB-FULL FRAME	FIBREX®	ANDERSEN CORPORATION
10	DB-INSERT FRAME	FIBREX®	ANDERSEN CORPORATION
11	PWU-EJ FRAME	FIBREX®	ANDERSEN CORPORATION
12	PWU-BASE FRAME	FIBREX®	ANDERSEN CORPORATION
13	PW-FULL FRAME	FIBREX®	ANDERSEN CORPORATION
14	PW-INSERT FRAME	FIBREX®	ANDERSEN CORPORATION
15	GL-EJ FRAME	FIBREX®	ANDERSEN CORPORATION
16	GL-BASE FRAME	FIBREX®	ANDERSEN CORPORATION
17	PWU GLASS STOP	FIBREX®	ANDERSEN CORPORATION
18	PWU-EJ TRIM STOP	FIBREX®	ANDERSEN CORPORATION
19	PWU-BASE TRIM STOP	FIBREX®	ANDERSEN CORPORATION
20	PW GLASS STOP	PVC	ANDERSEN CORPORATION
21	PW STOP COVER	FIBREX®	ANDERSEN CORPORATION
22	ADAPTIVE GUSSET, HEAD	304 STAINLESS STEEL	ANDERSEN CORPORATION
23	ADAPTIVE GUSSET, SILL	304 STAINLESS STEEL	ANDERSEN CORPORATION
24	ADAPTIVE SPACER, UNIVERSAL	INJECTION MOLDED PLASTIC	ANDERSEN CORPORATION
25	DG - INSERT FRAME	FIBREX®	ANDERSEN CORPORATION
26	DG - BASE FRAME	FIBREX®	ANDERSEN CORPORATION
27	DG - EJ FRAME	FIBREX®	ANDERSEN CORPORATION

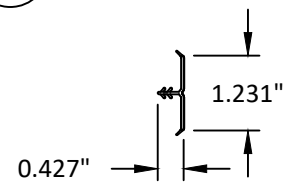
1 3-1/4" RENEWAL MULLION
FIBERGLASS



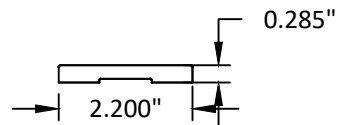
2 EXT. TRIM (FULL FRAME)
FIBREX



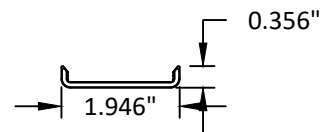
3 INT. TRIM (INSERT)
PVC



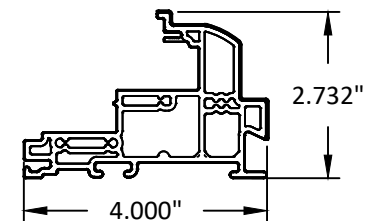
4 INT. TRIM (VENEER/FULL)
WOOD



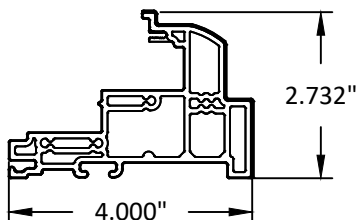
5 EXT. TRIM (INSERT)
FIBREX



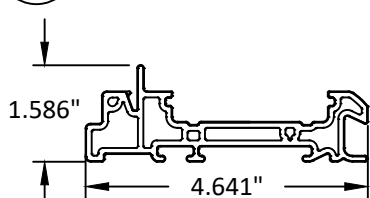
7 CS-EJ FRAME
FIBREX



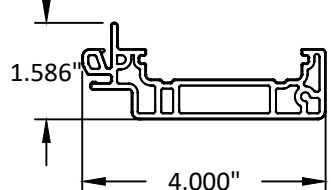
8 CS-BASE FRAME
FIBREX



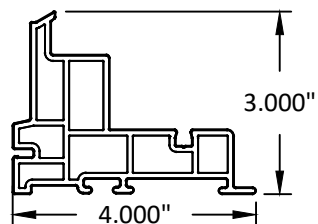
9 DB-FULL FRAME
FIBREX



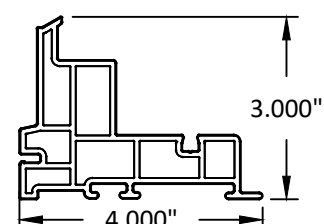
10 DB-INSERT FRAME
FIBREX



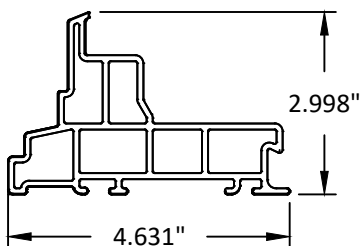
11 PWU-EJ FRAME
FIBREX



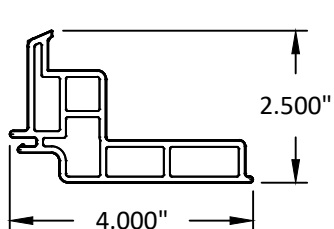
12 PWU-BASE FRAME
FIBREX



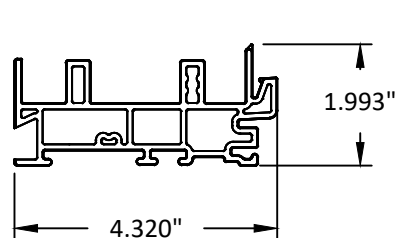
13 PW-FULL FRAME
FIBREX



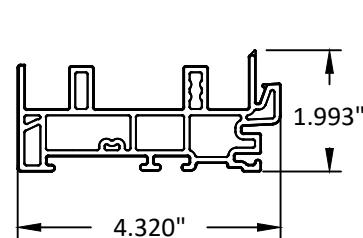
14 PW-INSERT FRAME
FIBREX



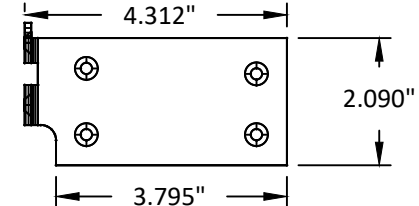
15 GL-EJ FRAME
FIBREX



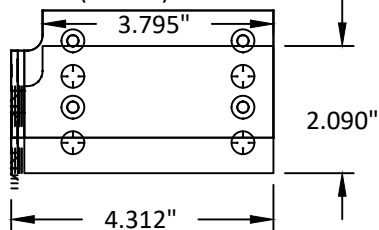
16 GL-BASE FRAME
FIBREX



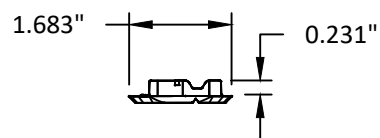
22 ADAPTIVE GUSSET, HEAD
304 SS (12 GA.)



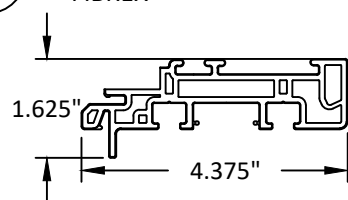
23 ADAPTIVE GUSSET, SILL
304 SS (12 GA.)



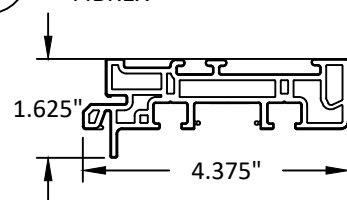
24 ADAPTIVE SPACER, UNIVERSAL
INJECTION MOLDED PLASTIC



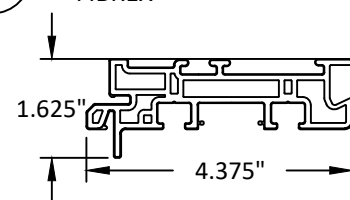
25 DG INSERT FRAME
FIBREX



26 DG BASE FRAME
FIBREX



27 DG EJ FRAME
FIBREX



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

TITLE: RENEWAL by ANDERSEN
MULLION SYSTEM
(NON-HVHZ)/(NON-IMPACT)

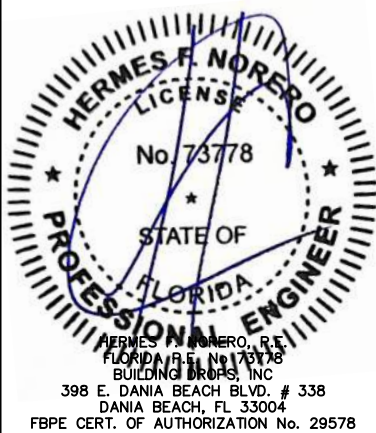
BOM & COMPONENTS

PREPARED BY: BUILDING DROPS, INC.

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REMARKS	BY	DATE
6TH FBC CODE CHANGE	HR	8.15.17
ASSEMBLIES ADDITION	HR	3.9.18
8TH FBC CODE CHANGE	SH	8.17.23

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FL #:	FL19971
DATE:	08.15.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD142
SHEET:	8