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## 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)

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

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**Product Approval Accepts:**

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

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

GENERAL AND  
INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

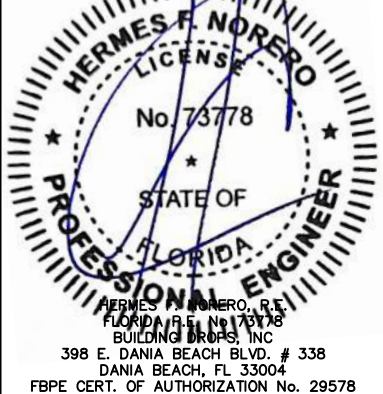
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DANIA BEACH, FL 33004  
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FAX: (954) 744-4738  
WEB: www.buildingdrops.com



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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Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2023.06.19 11:19:58 -04'00'



FL #:  
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**HR**

CHK. BY:  
**HFN**

SCALE: **NTS**

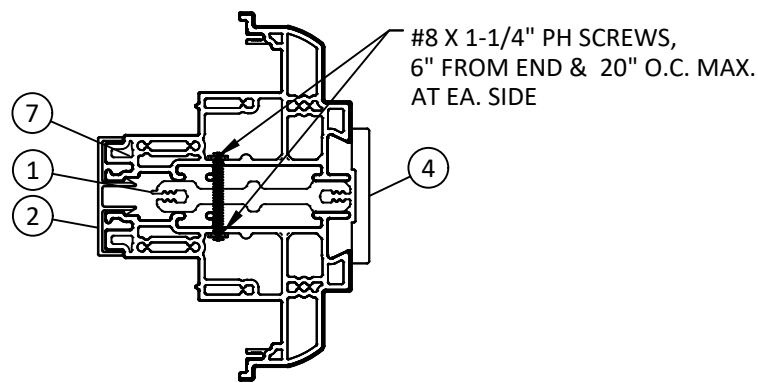
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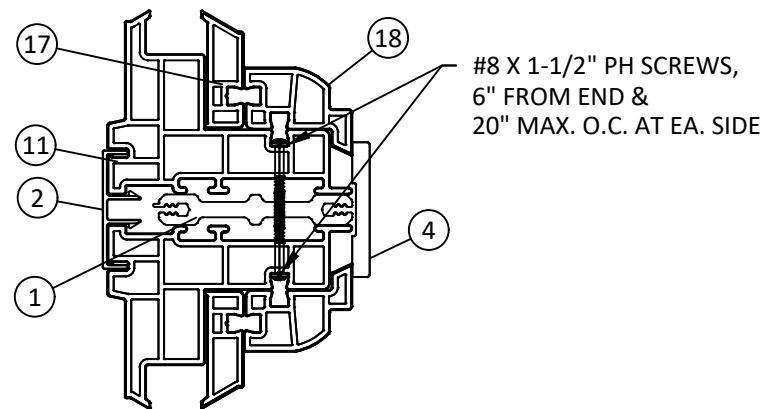
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OF 8

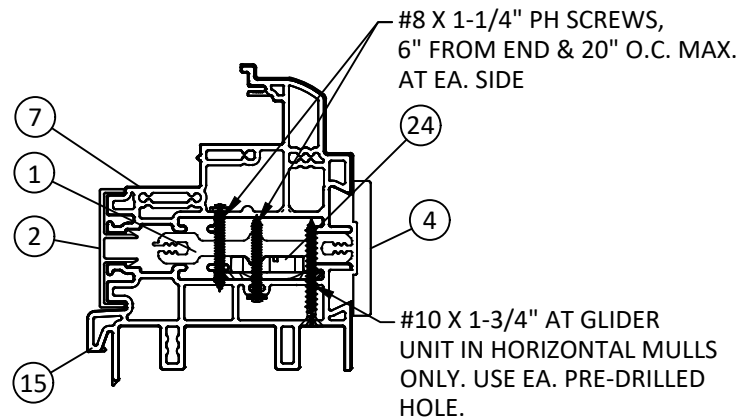
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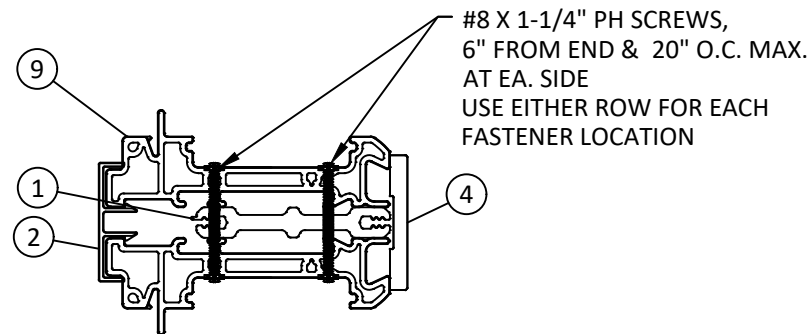
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VERTICAL OR HORIZONTAL MULL



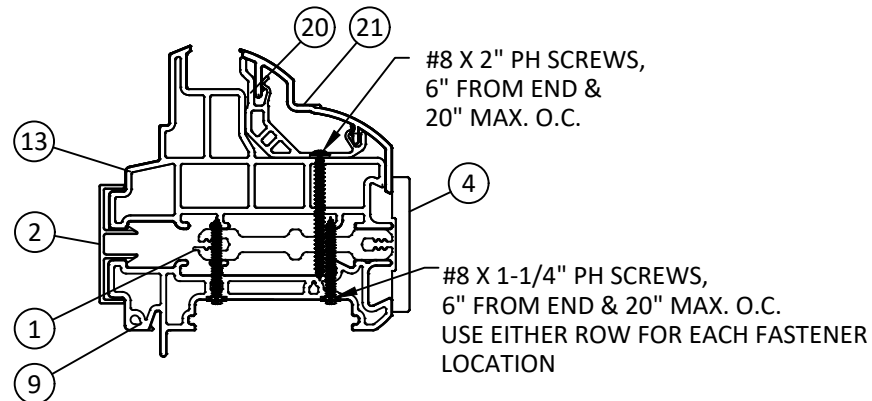
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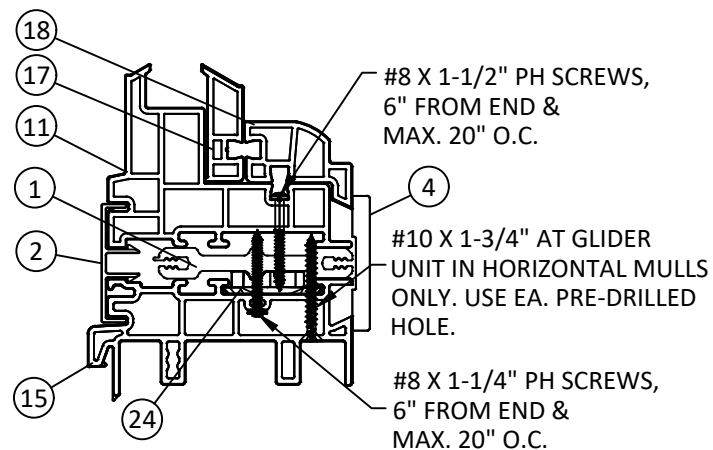
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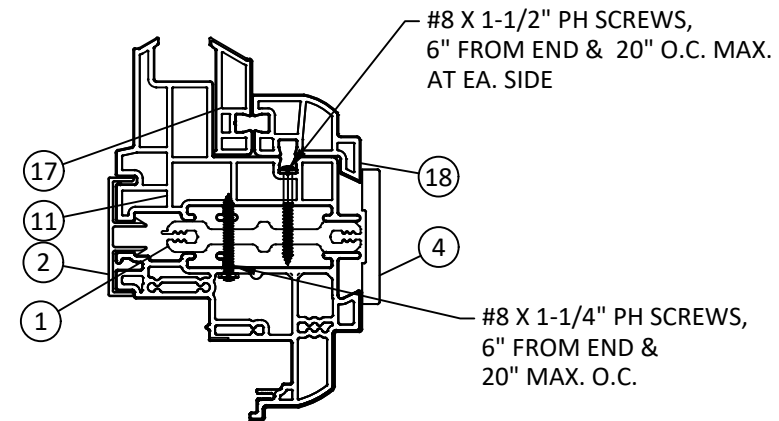
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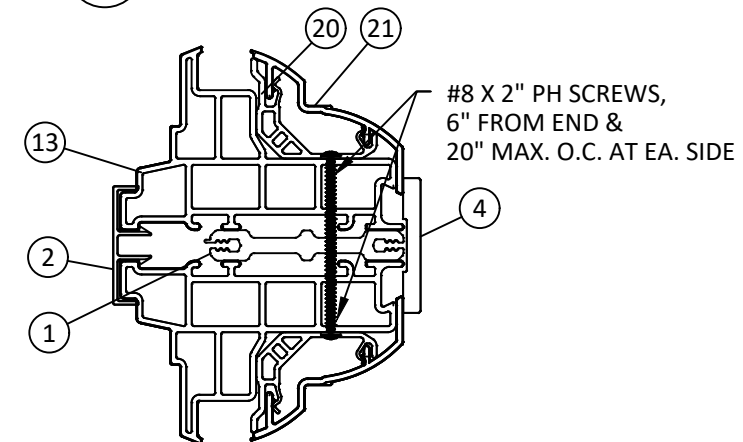
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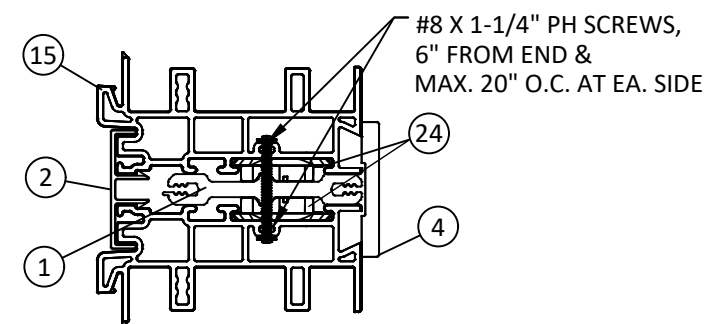
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**GL-EJ TO PWU-EJ**  
VERTICAL OR HORIZONTAL MULL



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

PREPARED BY:  
BUILDING DROPS, INC.  
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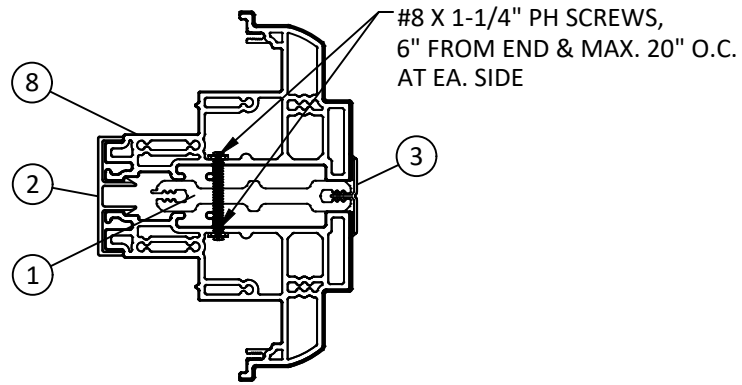
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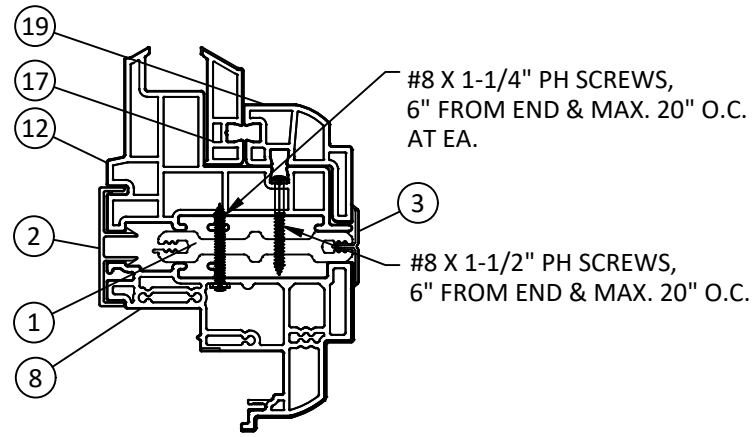
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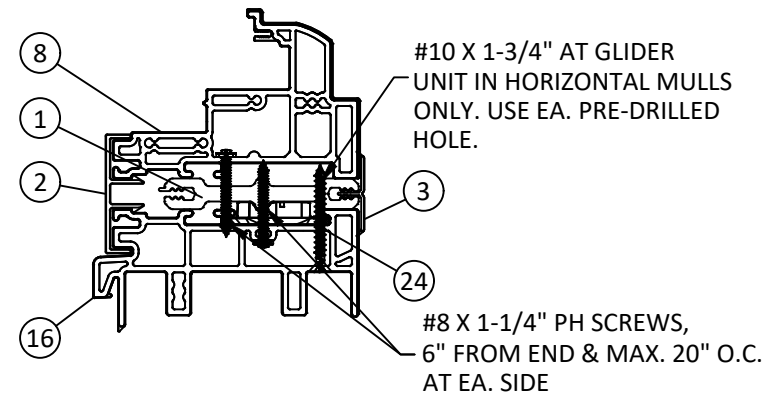
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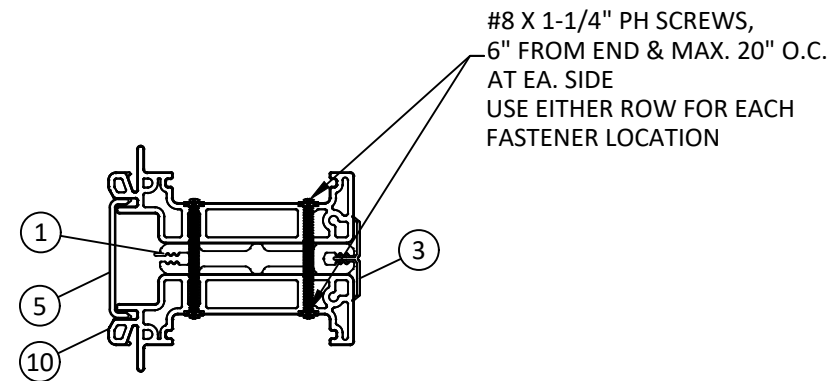
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VERTICAL OR HORIZONTAL MULL



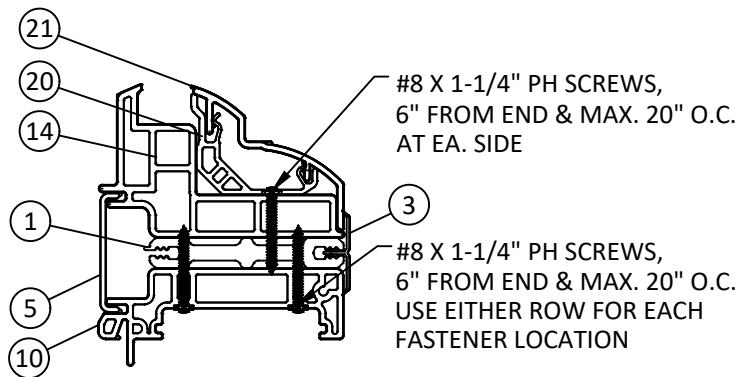
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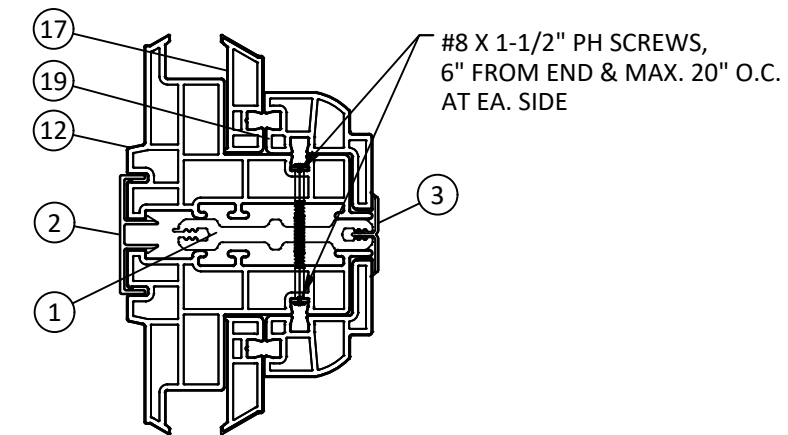
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VERTICAL OR HORIZONTAL MULL



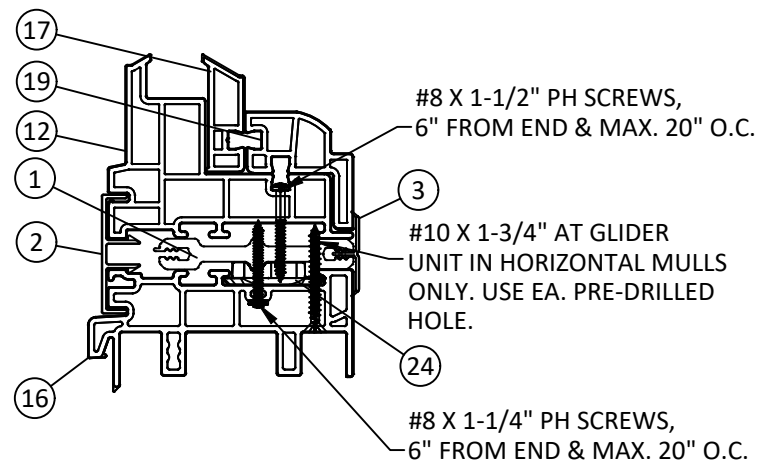
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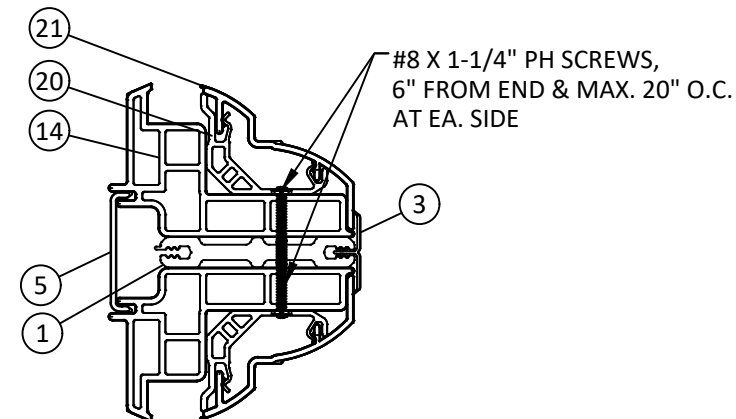
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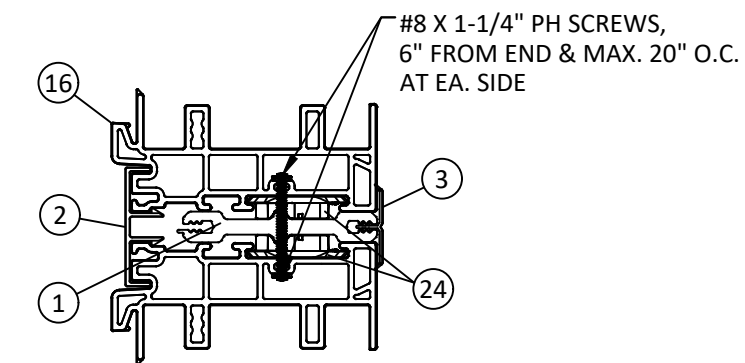
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**G**  
**3** **GL-BASE TO PWU-BASE**  
VERTICAL OR HORIZONTAL MULL



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



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



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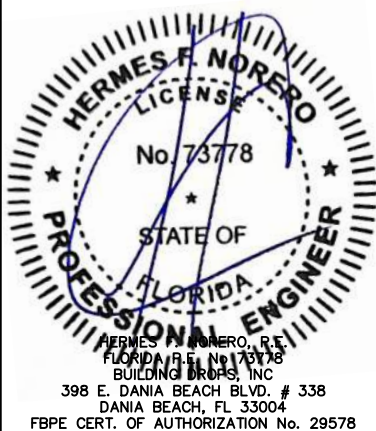
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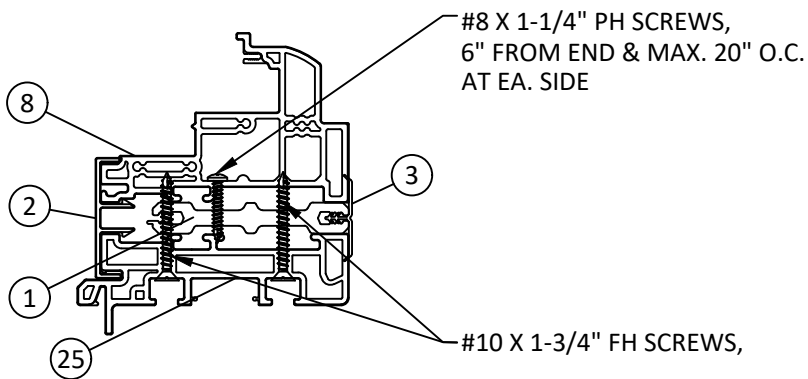
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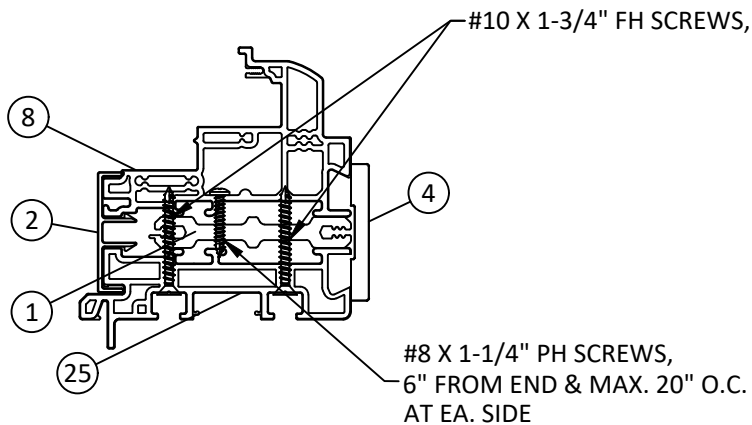
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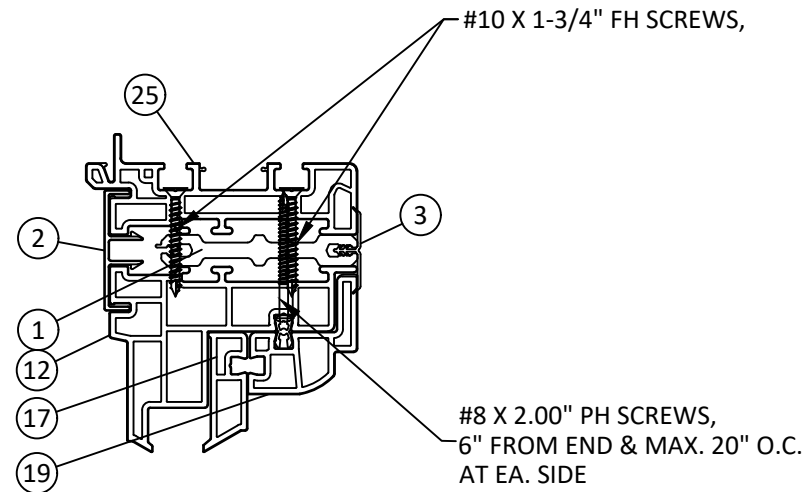
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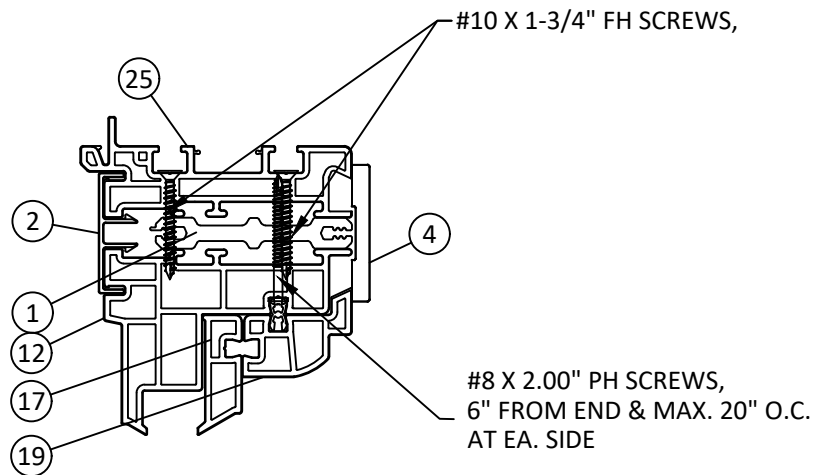
**A**  
**4** **DG BASE FRAME TO CS-BASE FRAME**  
VERTICAL OR HORIZONTAL MULL



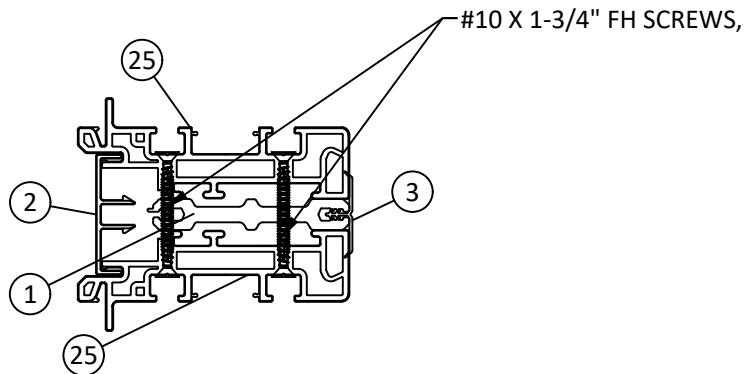
**B**  
**4** **DG EJ FRAME TO CS-EJ**  
VERTICAL OR HORIZONTAL MULL



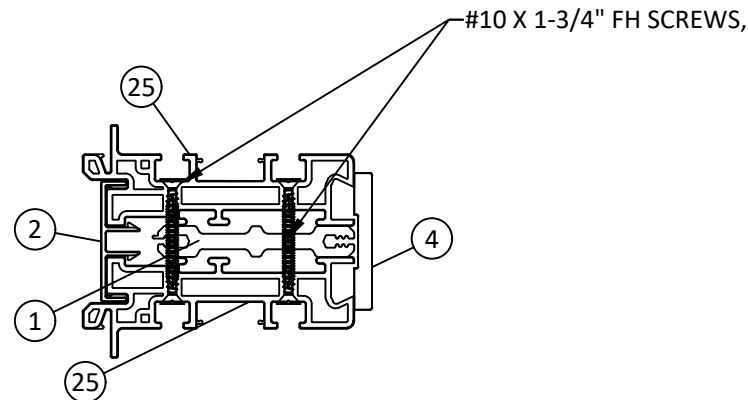
**C**  
**3** **DG BASE FRAME TO PWU-BASE**  
VERTICAL OR HORIZONTAL MULL



**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



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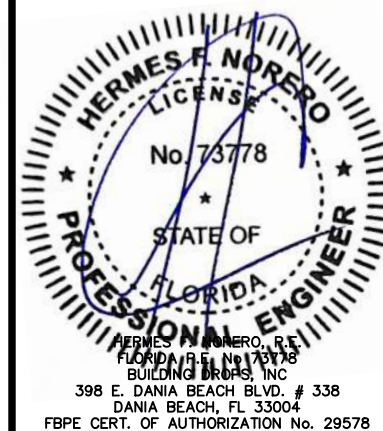
TITLE: RENEWAL by ANDERSEN  
MULLION SYSTEM  
(NON-HVHZ)/(NON-IMPACT)  
MULL ASSEMBLY SECTIONS (3)

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**

DWG. BY: <b>HR</b>	CHK. BY: <b>HFN</b>
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SCALE: **NTS**

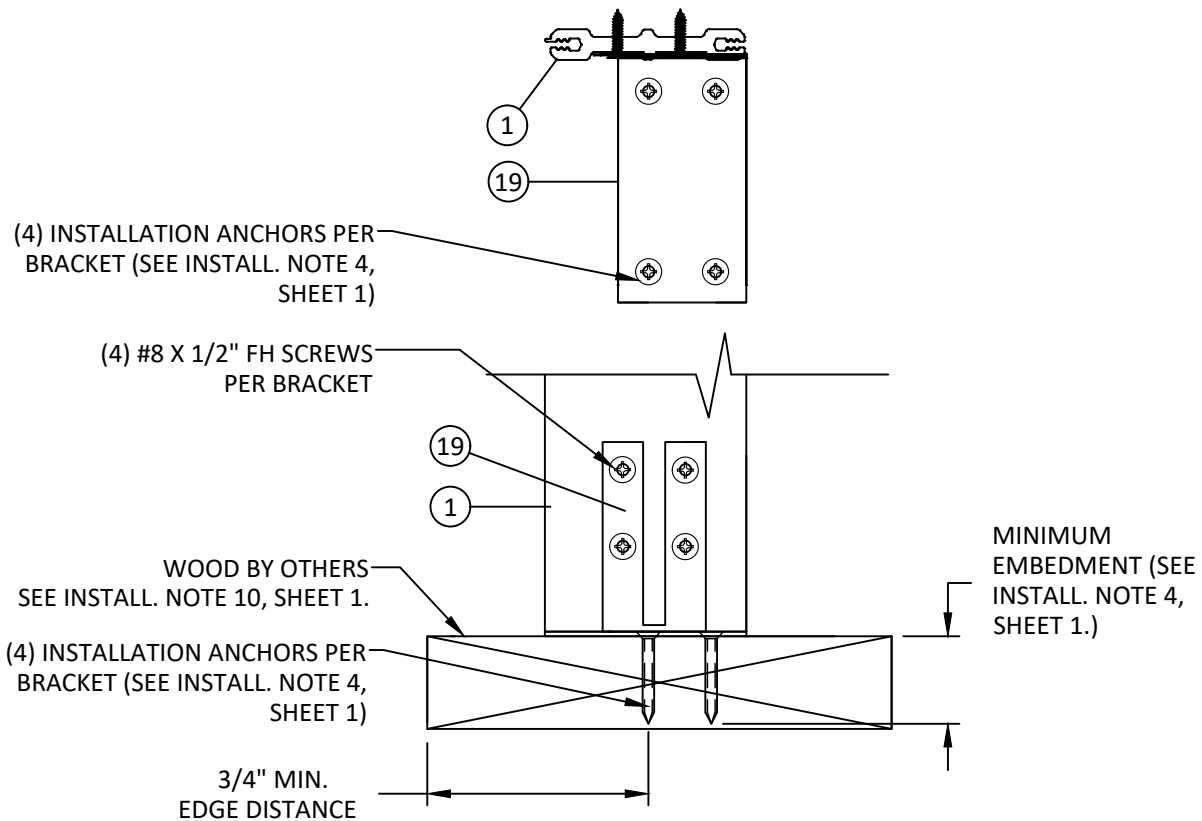
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SHEET:

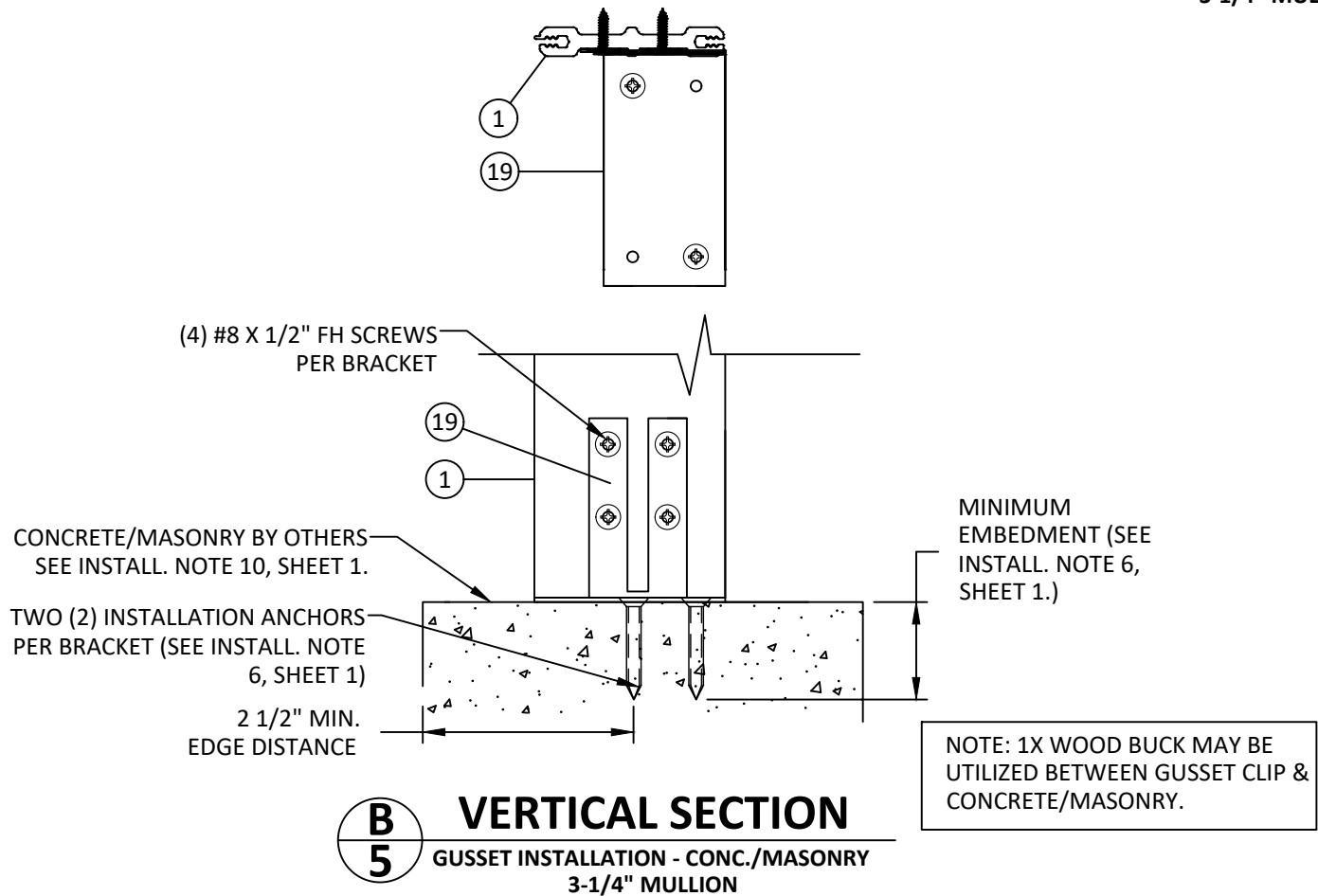
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OF 8

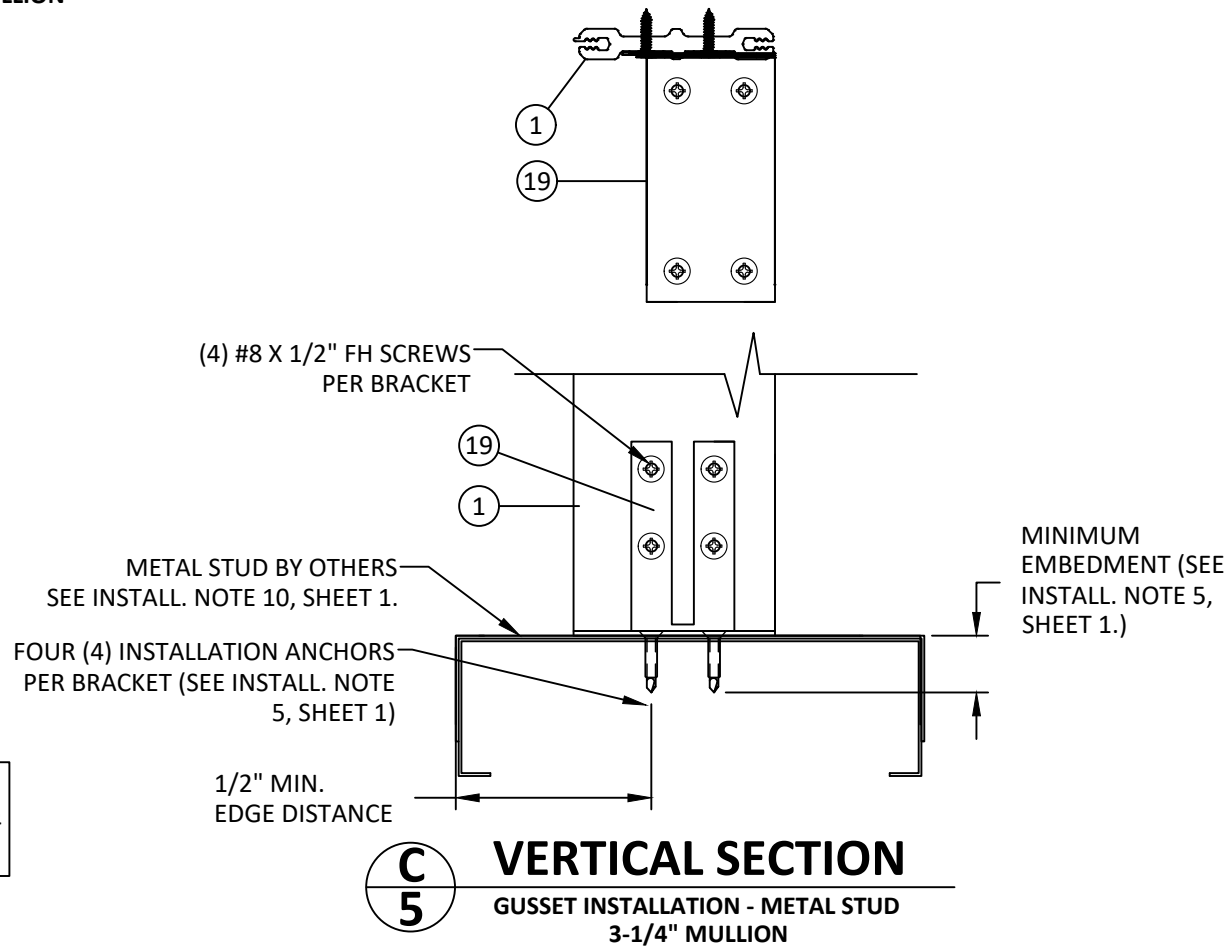
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**A**  
**5** **VERTICAL SECTION**  
GUSSET INSTALLATION - WOOD  
3-1/4" MULLION



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



**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

TITLE: **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

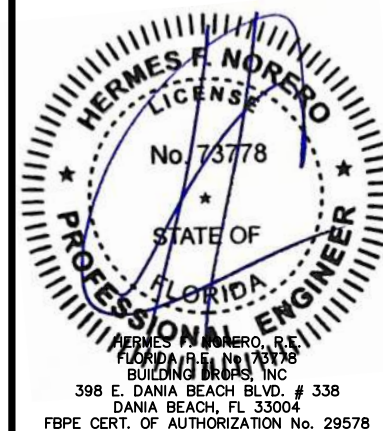
PH: (954) 399-8478  
FAX: (954) 744-4738

WEB: [www.buildingdrops.com](http://www.buildingdrops.com)



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

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**FL19971**

DATE: **08.15.17**

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

SCALE: **NTS**

DWG. #: **AWD142**

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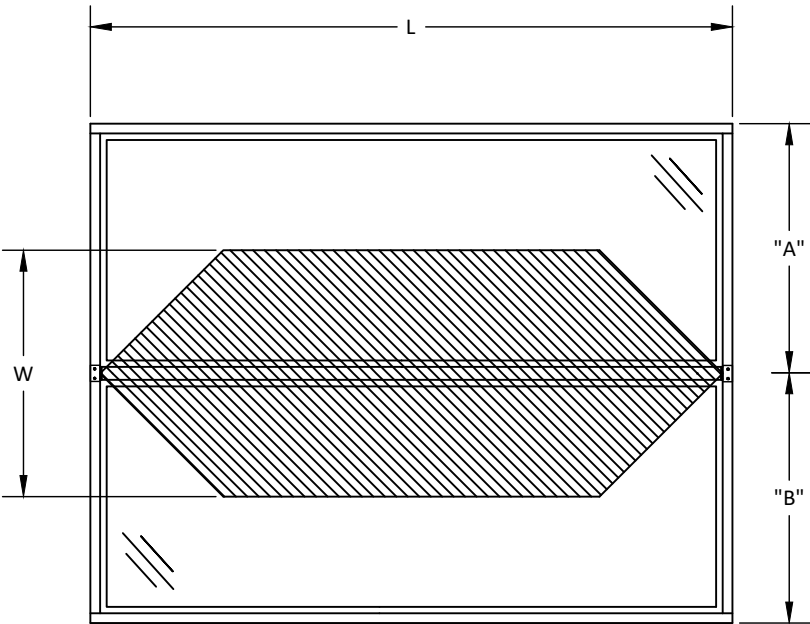
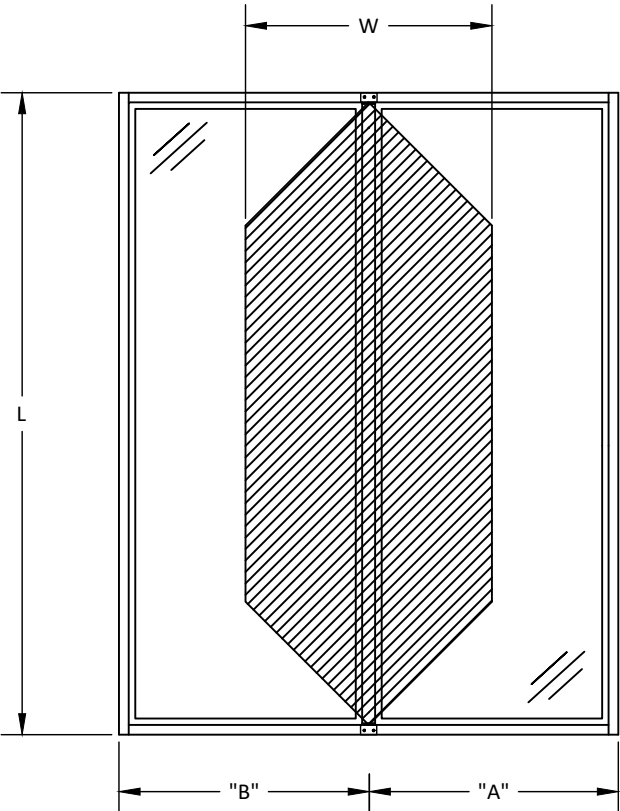
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OF 8



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  
PH: (651) 264-5150 FX: (651) 264-5485

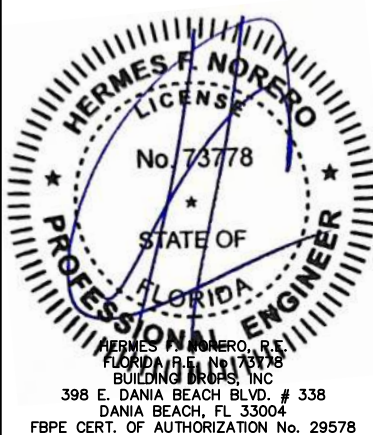
TITLE: RENEWAL by ANDERSEN  
MULLION SYSTEM  
(NON-HVHZ)/(NON-IMPACT)  
ONE WAY LOAD TABLE: WOOD,  
METAL STUD, OR CONCRETE INSTALL.

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

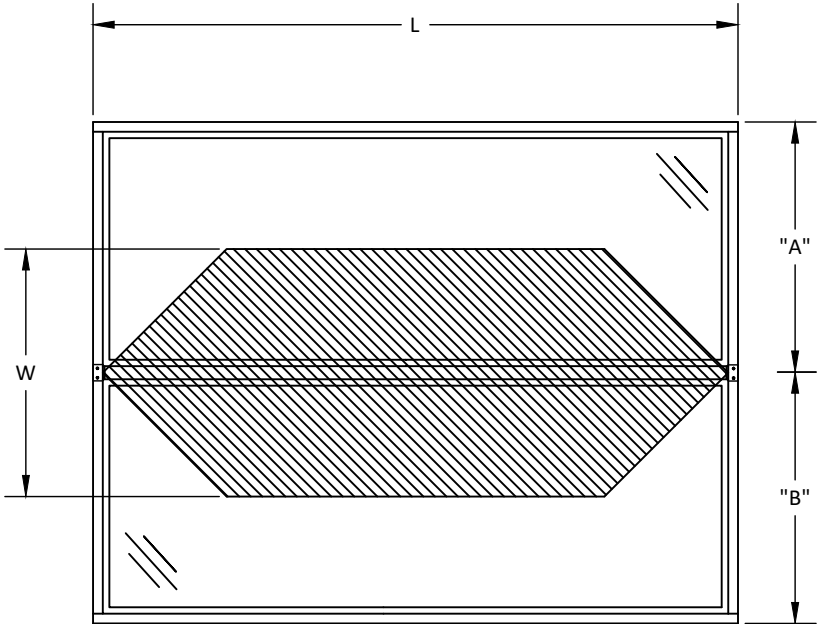
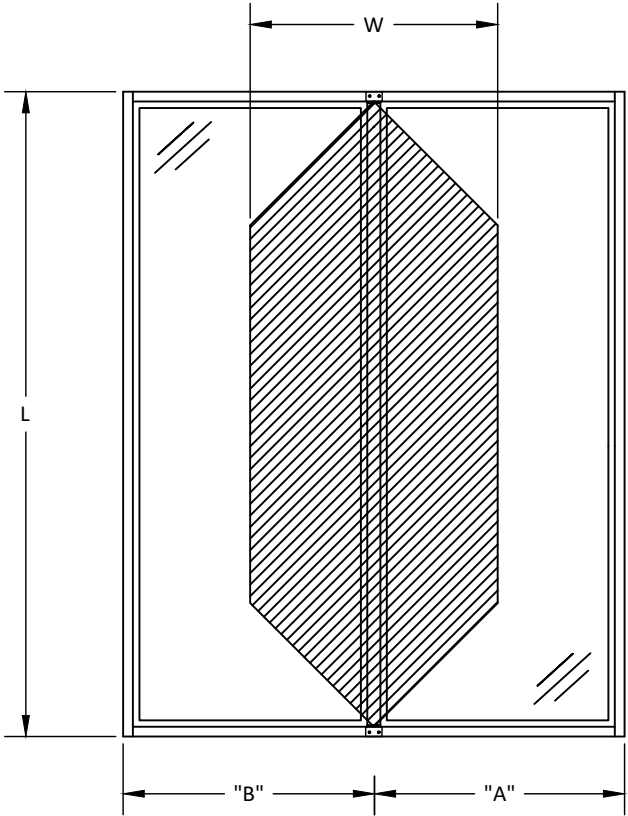
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DATE:	08.15.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD142
SHEET:	6

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  
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ASSEMBLIES ADDITION	HR	3.9.18
8TH FBC CODE CHANGE	SH	3.17.23

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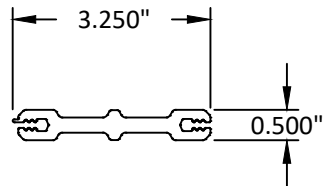
FL #:	FL19971
DATE:	08.15.17
DWG. BY:	CHK. BY:
HR	HFN
SCALE:	NTS
DWG. #:	AWD142
SHEET:	

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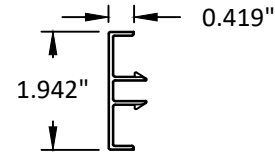
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BILL OF MATERIALS			
ITEM	DESCRIPTION	MATERIAL	MANUFACTURER
1	3-1/4" REINFORCED MULLION	FIBERGLASS	ANDERSEN CORPORATION
2	EXTERIOR TRIM (FULL FRAME)	FIBREX®	ANDERSEN CORPORATION
3	INTERIOR TRIM (INSERT FRAME)	PVC	ANDERSEN CORPORATION
4	INTERIOR TRIM (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

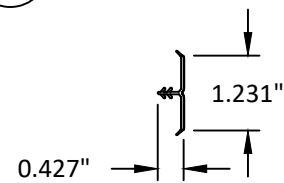
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FIBERGLASS



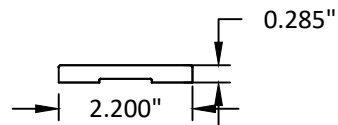
2 EXT. TRIM (FULL FRAME)  
FIBREX



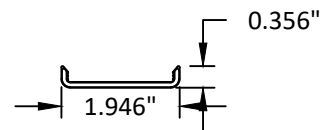
3 INT. TRIM (INSERT)  
PVC



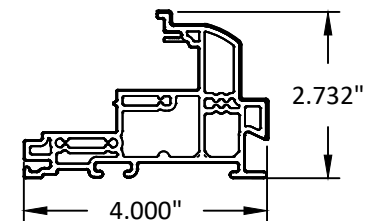
4 INT. TRIM (VENEER/FULL)  
WOOD



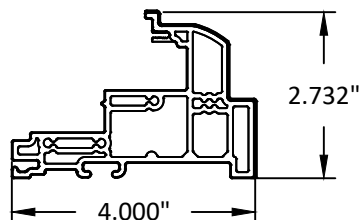
5 EXT. TRIM (INSERT)  
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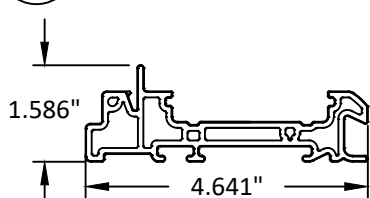
7 CS-EJ FRAME  
FIBREX



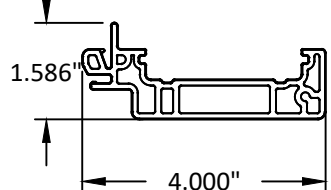
8 CS-BASE FRAME  
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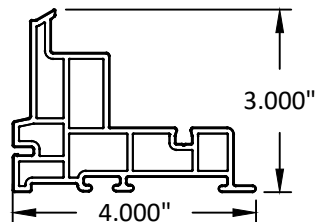
9 DB-FULL FRAME  
FIBREX



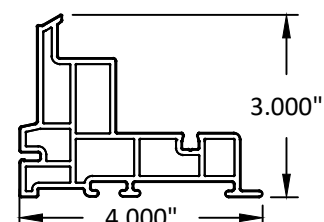
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FIBREX



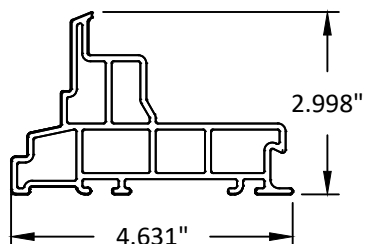
11 PWU-EJ FRAME  
FIBREX



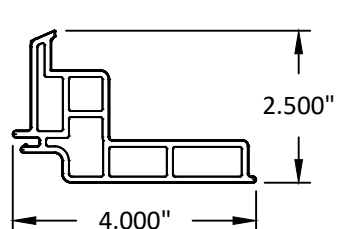
12 PWU-BASE FRAME  
FIBREX



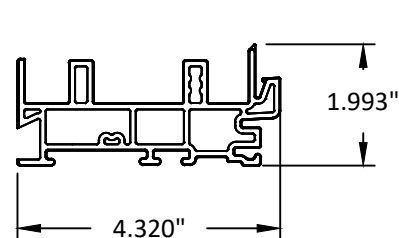
13 PW-FULL FRAME  
FIBREX



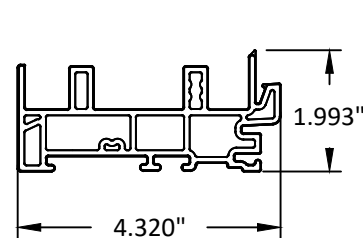
14 PW-INSERT FRAME  
FIBREX



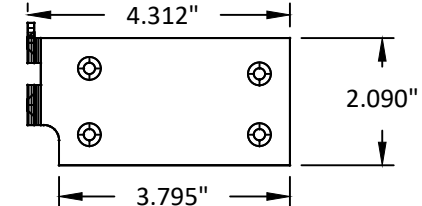
15 GL-EJ FRAME  
FIBREX



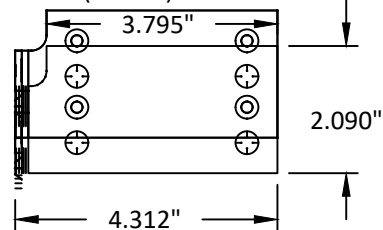
16 GL-BASE FRAME  
FIBREX



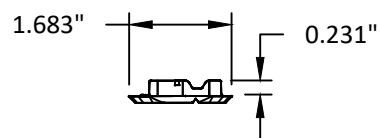
22 ADAPTIVE GUSSET, HEAD  
304 SS (12 GA.)



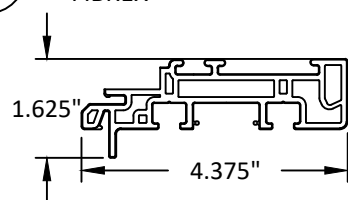
23 ADAPTIVE GUSSET, SILL  
304 SS (12 GA.)



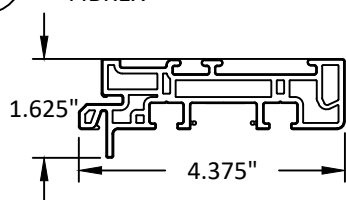
24 ADAPTIVE SPACER, UNIVERSAL  
INJECTION MOLDED PLASTIC



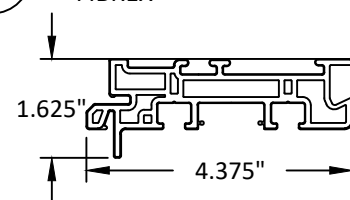
25 DG INSERT FRAME  
FIBREX



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

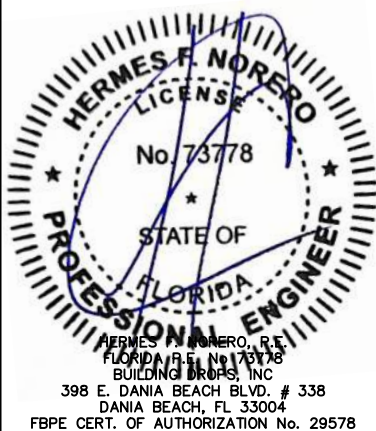
PREPARED BY: BUILDING DROPS, INC.

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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