



1900 NE MIAMI CT. SUITE 2-15, MIAMI, FL 33132

Product Evaluation Report

of

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

for

Florida Product Approval

FL# FL19971

Report No. 8482

Current Florida Building Code

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

Product: Renewal by Andersen Daylight Mullion
Materials: Fiberglass/Fibrex
Product Dimensions: See Installation Instructions, AWD333

Prepared for:

Andersen Corporation
100 4th Ave. N
Bayport, Minnesota 55003

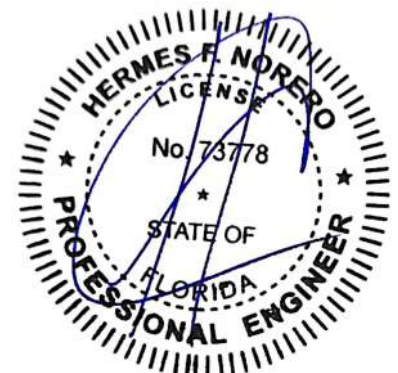
Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 04/29/2024

Contents:

Evaluation Report Pages 1 – 3

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.05.02 15:13:38 -04'00'



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

Manufacturer: Andersen Corporation

Product Category: Windows

Product Sub-Category: Mullions

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

Product Name: Renewal by Andersen Daylight Mullion
(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 **AWD333**, 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 **AWD333** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **AWD333** for size and design pressure limitations.

Quality Assurance:

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

Performance Standards:

The product described herein has been tested per:

- AAMA 450-20
- ASTM E283-04(12)
- ASTM E330-14
- ASTM E547-00(16)

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc. (an Intertek company) - Fridley, MN**
(FBC Organization # TST1795)
Report #: P6938.01-201-47, Report Date: 05/08/2023
Report #: P6938.02-201-47, Report Date: 05/08/2023

Installation:

Refer to Installation Instructions (**AWD333**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**AWD333**) for design pressures based on size, configuration, and glass types.

ANDERSEN CORPORATION

RENEWAL by ANDERSEN DAYLIGHT MULLION (NON-HVHZ) (NON-IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE 1X BUCKING, SHEATHING, & WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - GROUT-FILLED CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUTS CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM WALL THICKNESS OF 54 MILS (16 GA.) WHEN THROUGH GUSSET INSTALLATION.
 - ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) EXCLUDING HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA 450-20
 - ASTM E283-04(12)
 - ASTM E330-14
 - ASTM E547-00(16)
- 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.
- 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.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- MULLION MATERIAL: FIBERGLASS/FIBREX
- IN ACCORDANCE WITH THE CURRENT FBC, DISSIMILAR METALS INCLUDING FASTENERS SHALL BE PROTECTED FROM GALVANIC CORROSION.
- CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.
- INTERIOR TRIM OPTIONS MAY VARY IN ACCORDANCE WITH ANDERSEN'S RECOMMENDATIONS.
- MULL ASSEMBLIES ARE QUALIFIED FOR TWO OR MORE UNITS PER OPENING IN THE FOLLOWING CONFIGURATION:
 - "ONE WAY" - RIBBON OR STACKED MULLIONS
 - "TWO WAY" - "X" OR "T" MULLIONSSEE SHEETS 5-12 FOR TYPICAL ELEVATION TYPES.

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12	MULLION TABLES AND INSTALLATION NOTES
13	COMPONENT DETAILS

IMPACT RATING
NON-IMPACT

MULLING INSTRUCTIONS:

- STEP 1: ESTABLISH MULL ASSEMBLY FRAME TYPES AND MULL CONFIGURATION.
- STEP 2: VERIFY MULL ASSEMBLY CONSTRUCTION FROM SHEET 2.
- STEP 3: DETERMINE ALLOWABLE LOAD OF MULL ASSEMBLY FROM APPLICABLE LOAD TABLE. REFER TO SHEETS 5-12.
- STEP 4: INSTALL MULLION BASED ON APPLICABLE SPECIFICATIONS & DETAILS SHOWN ON SHEETS 3 & 4.



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

GENERAL AND INSTALLATION NOTES

PREPARED BY: BUILDING DROPS, INC.

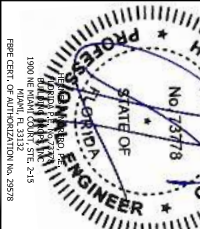
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.BuildingDrops.com

BY DATE

REMARKS

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.

Digitally signed by Hernan F. Norono P.E.
Reason: I am approving this document
Date: 2024.06.13 15:17:04-0500



FL #: FL19971

DATE: 04.17.23

DWG. BY: MS

CHK. BY: HFN

SCALE: NTS

DWG. #: AWD333

SHEET: 1

OF 13

A 4-9 DOOR TO DOOR HORIZONTAL OR VERTICAL MULLION

B 5-9 DOOR TO DOOR HORIZONTAL OR VERTICAL MULLION

C 6-9 DOOR TO DOOR
2 HORIZONTAL OR VERTICAL MULLION

D
2

4-9 SWU TO DOOR

HORIZONTAL MULLION

5-9 SWU TO DOOR
HORIZONTAL MILLION

6-9 SWU TO DOOR
HORIZONTAL MILLION

RENEWAL
by ANDERSEN

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

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

MULLION ASSEMBLY SECTIONS

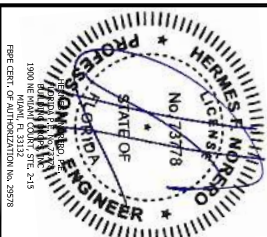
PREPARED BY:

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

REMARKS

BY	DATE
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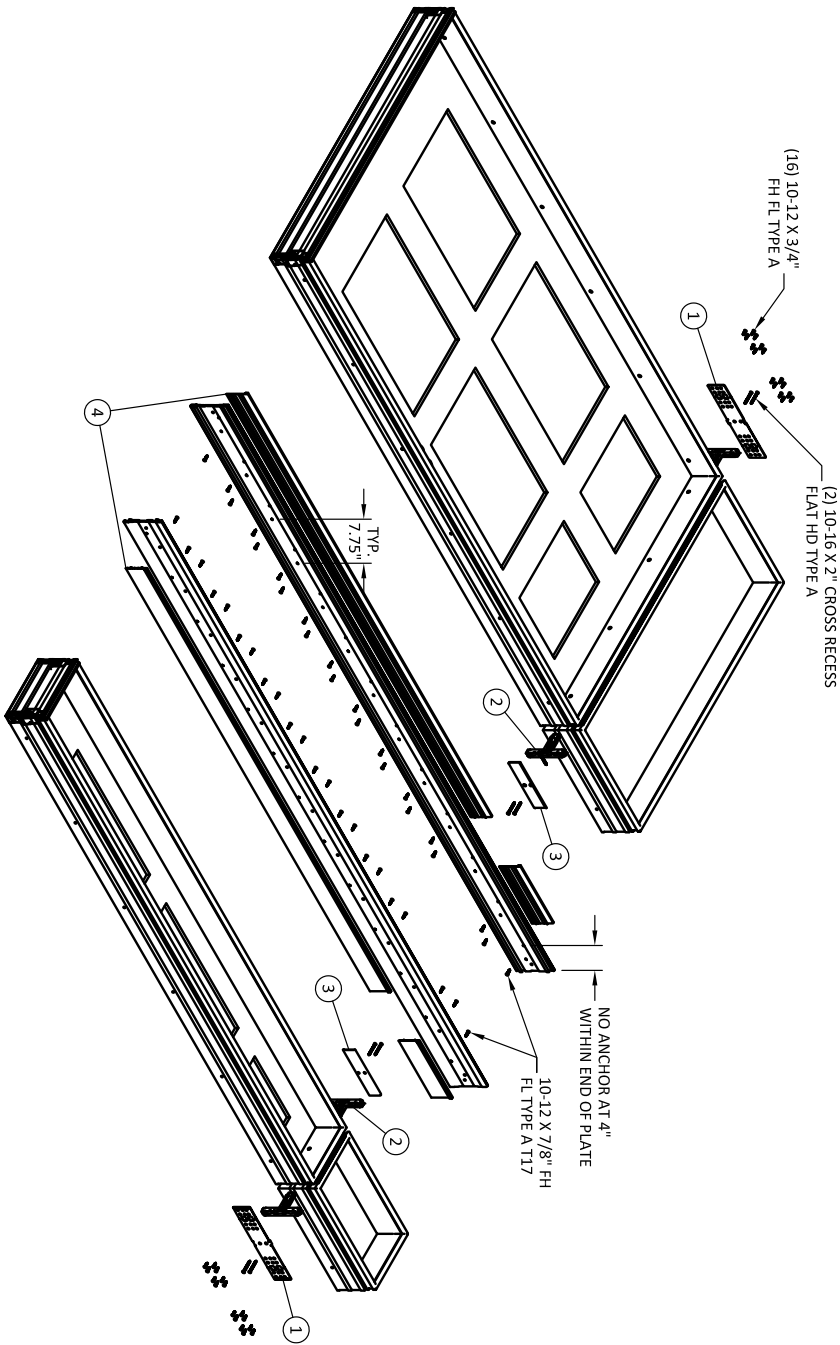
FL19971

DATE: 04.17.23

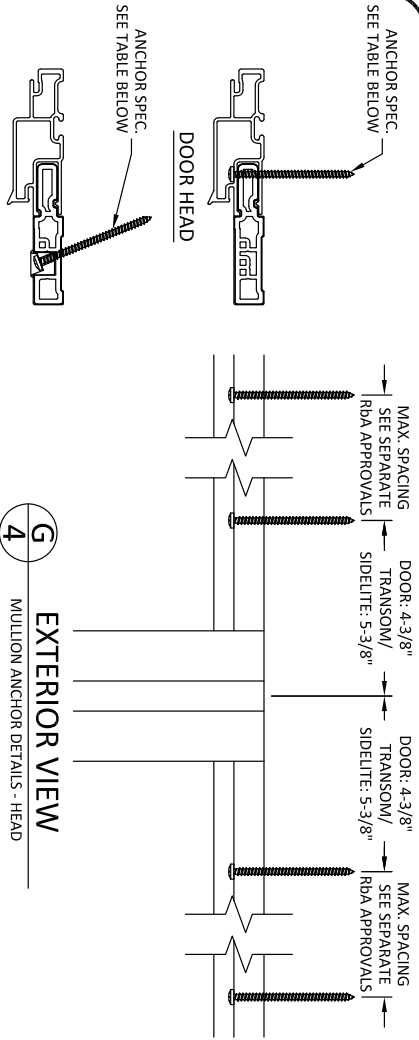
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SCALE: **NTS**

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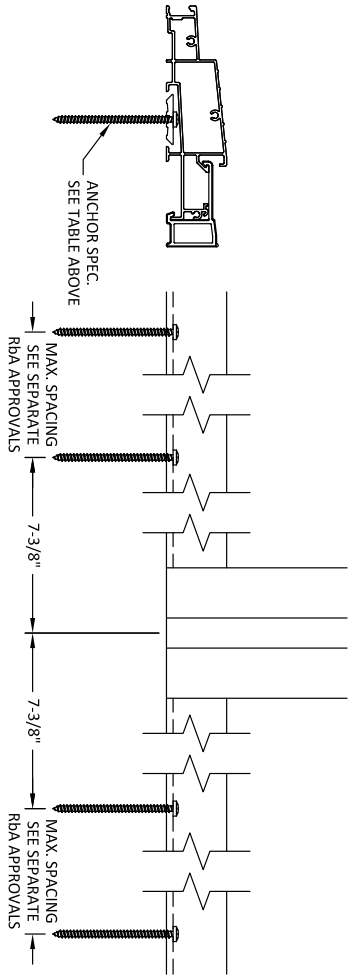


		RENEWAL by ANDERSEN WINDOW SYSTEMS	
100 FOURTH AVE NORTH DAVPORT, MN 55005-1095 PH: (651) 267-5130 FX: (651) 264-5485		1900 NE MIAMI COURT, STE. 2-15 MIAMI, FL 33132 PH: (954) 399-8478 FAX: (954) 744-4738 WEB: www.buildingdrops.com	
TITLE: RENEWAL by ANDERSEN DAYLIGHT MULLION (NON-HVHZ) (NON-IMPACT) MULLION ASSEMBLY DETAILS			
PREPARED BY: BUILDING DROPS, INC.			
REMARKS		BY	DATE
THE INSULATION DETAILS DESCRIBED HEREIN ARE BASED ON THE ASSUMPTIONS AND CONDITIONS SET FORTH IN THE REVISIONS TO THE SPECIFICATIONS AND THE REVISIONS TO THE SPECIFICATIONS. THE REVISIONS TO THE SPECIFICATIONS ARE THE PROPERTY OF BUILDING DROPS, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM BUILDING DROPS, INC.			
FL #:		FL19971	
DATE:		04.17.23	
DWG BY:		CHK BY:	
MS		HFN	
SCALE:		NTS	
DWG. #:		AWD333	
SHEET:		3	
OF 13			

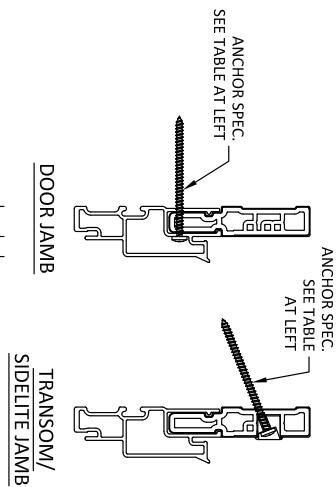


G
EXTERIOR VIEW
MULLION ANCHOR DETAILS - HEAD

ANCHOR SCHEDULE			
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW	1.5"	1"
STEEL: MIN. 1/8 GA. MIN. Fy = 33 ksi	#10 SMS OR SELF-DRILLING OR SELF-TAPPING SCREW, GRADE 5	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
CONCRETE: MIN. f'c = 3000 psi			
MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1.5"	2.25"
	3/16" ITW TAPCON	1"	2"



H
EXTERIOR VIEW
MULLION ANCHOR DETAILS - SILL



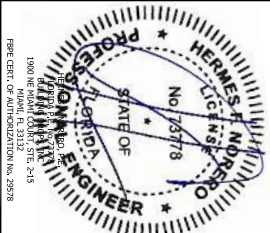
I
EXTERIOR VIEW
MULLION ANCHOR DETAILS - JAMB



TITLE:
**RENEWAL by ANDERSEN
DAYLIGHT MULLION
(NON-HVHZ) (NON-IMPACT)**
MULLION INSTALLATION DETAILS

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

REMARKS	BY	DATE



FL #: **FL19971**

DATE: **04.17.23**

DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **AWD333**

SHEET: **4**

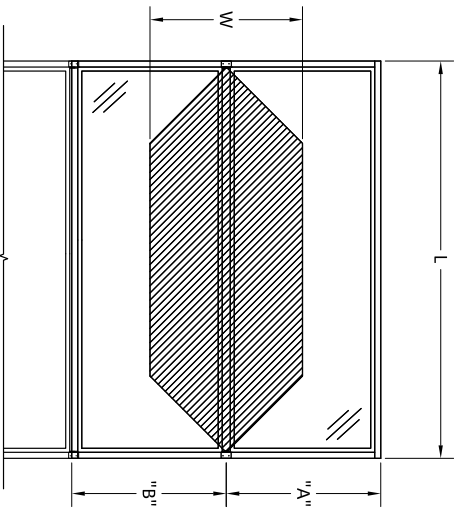
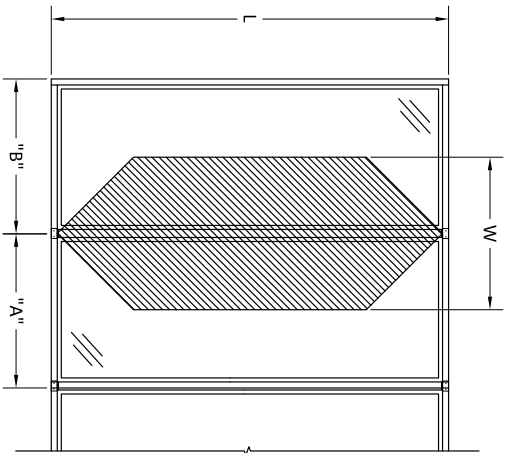
ONE-WAY MULLION DESIGN PRESSURE CHART (PSF)

DESIGNED FOR SECTIONS A/2, B/2, C/2

INSTALLATION TO WOOD OR CONCRETE

L - MULL LENGTH (IN)	W - TRIBUTARY WIDTH (IN)															
	24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96	96
24	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
30	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
36	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
42	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
48	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
54	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
60	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
66	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
72	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
78	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
84	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
90	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
96	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
97.75	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
102	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
108	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
114	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
120	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
122.5	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
126	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
132	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
138	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
144	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00

- NOTE:
- MULLION CHART APPLIES TO RBA DAYLIGHT MULLION ASSEMBLIES: SECTIONS A/2, B/2, C/2, WHEN MULLIED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - 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:
 - INSTALLATION TO WOOD OR CONCRETE SUBSTRATE, SEE SHEET 1, INSTALLATION NOTE 7.
 - TRIBUTARY WIDTH- $W = (A+B)/2$
 - REFER TO SHEET 3 FOR INSTALLATION DETAILS.
 - WHEN PRODUCTS 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 CONFIGURATIONS



100 FOURTH AVE NORTH
DAVPORT, MN 55005-1096
PH: (954) 399-8478
PH: (651) 260-3333 FX: (651) 264-5485

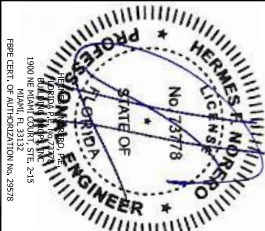
TITLE:
RENEWAL by ANDERSEN
DAYLIGHT MULLION
(NON-HVHZ) (NON-IMPACT)
MULLION TABLES & CONFIGURATIONS

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

REMARKS



THE INSTALLATION DETAILS DESCRIBED HEREIN ARE BASED ON THE REQUIREMENTS OF THE MANUFACTURER'S INSTRUCTIONS. THE INSTALLER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND FOR ENSURING THAT THE SITE CONDITIONS ARE SUITABLE FOR THE INSTALLATION. THE MANUFACTURER'S INSTRUCTIONS SHALL BE USED IN CONJUNCTION WITH THIS DOCUMENT.



FL #:
FL19971

DATE:
04.17.23

DWG. BY:
MS
CHK. BY:
HFN

SCALE:
NTS

DWG. #: AWD333

SHEET:

5

OF 13

TWO-WAY MULLION DESIGN PRESSURE CHART (PSF)

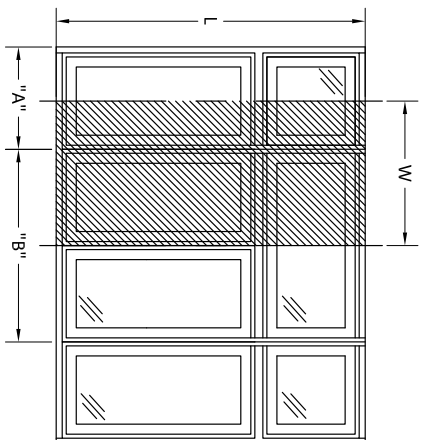
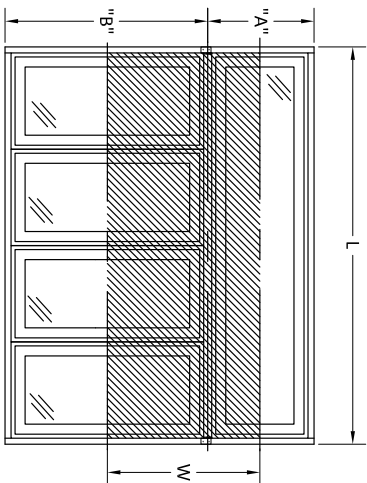
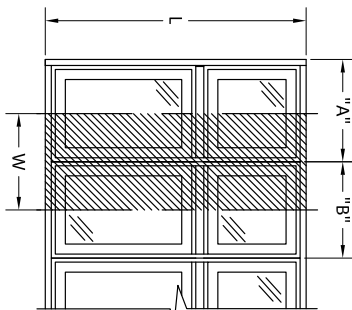
DESIGNED FOR SECTIONS A/2, B/2, C/2

INSTALLATION TO WOOD OR CONCRETE

W - TRIBUTARY WIDTH (IN)

L - MULL LENGTH (IN)	24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96
24	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
30	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
36	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
42	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
48	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
54	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
60	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
66	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
72	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
78	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
84	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
90	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
96	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
97.75	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
102	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
108	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
114	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
120	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
122.5	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
126	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
132	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
138	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
144	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00

- NOTE:
- MULLION CHART APPLIES TO RBA DAYLIGHT MULLION ASSEMBLIES: SECTIONS A/2, B/2, C/2, WHEN MULLIED IN TWO-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
 - INSTALLATION TO WOOD OR CONCRETE SUBSTRATE, SEE SHEET 1, INSTALLATION NOTE 7.
 - TRIBUTARY WIDTH- $W = (A+B)/2$
 - REFER TO SHEET 3 FOR INSTALLATION DETAILS.
 - WHEN PRODUCTS 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.



TWO-WAY CONFIGURATIONS



100 FOURTH AVE NORTH
DAVPORT, FL 33004-1096
PH: (954) 266-5333 FAX: (954) 266-5485

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

MULLION TABLES & CONFIGURATIONS

PREPARED BY: BUILDING DROPS, INC.

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

REMARKS

BY DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE EXERCISED WITHOUT WARRANTY BY THE ENGINEER. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. FROM THE REQUIREMENTS SET FORTH HEREIN, A LICENSED PROFESSIONAL ENGINEER HAS REVIEWED THE DOCUMENTS FOR USE WITH THIS DOCUMENT.

HEIMER F. NORDRO
No. 76878
STATE OF FLORIDA
PROFESSIONAL ENGINEER

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PHONE: (954) 399-8478

FL #: FL19971

DATE: 04.17.23

DWG. BY: MS CHK. BY: HFN

SCALE: NTS

DWG. #: AWD333

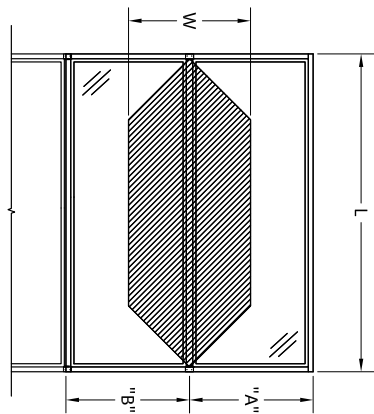
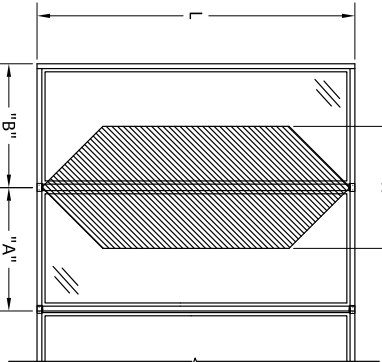
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OF 13

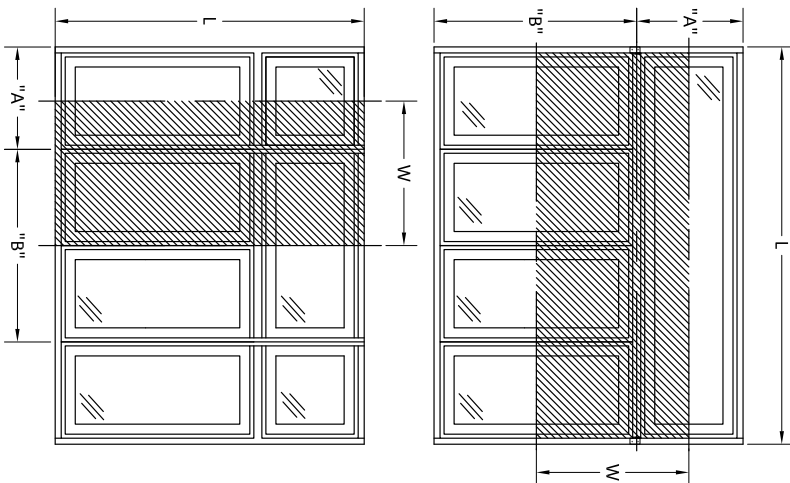
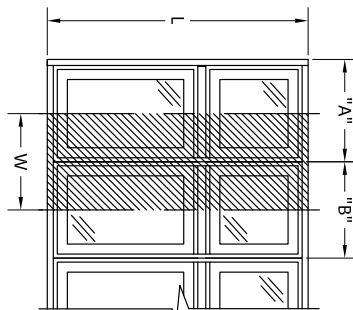
ONE-WAY/TWO-WAY MULLION DESIGN PRESSURE CHART (PSF)

L - MULL LENGTH (IN)	DESIGNED FOR SECTIONS A/2, B/2, C/2																		
	INSTALLATION TO STEEL OR ALUMINUM																		
	W - TRIBUTARY WIDTH (IN)																		
	24	30	36	42	48.75	48	54	58.25	60	66	72	78	84	90	96				
24	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
30	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
36	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
42	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
48	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
54	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
60	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
66	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
72	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
78	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
84	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
90	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
96	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
97.75	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
102	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
108	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
114	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
120	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
122.5	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
126	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
132	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
138	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				
144	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00				

- NOTE:
- MULLION CHART APPLIES TO RBA DAYLIGHT MULLION ASSEMBLIES: SECTIONS A/2, B/2, C/2, WHEN MULLIED IN ONE-WAY OR TWO-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - 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:
 - INSTALLATION TO STEEL OR ALUMINUM SUBSTRATE, SEE SHEET 1, INSTALLATION NOTE 7.
 - TRIBUTARY WIDTH- $W = (A+B)/2$
 - REFER TO SHEET 3 FOR INSTALLATION DETAILS.
 - WHEN PRODUCTS 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 CONFIGURATIONS



TWO-WAY CONFIGURATIONS



RENEWAL by ANDERSEN
100 FOURTH AVE NORTH
DAVPORT, MN 55005-1096
PH: (651) 267-5333 FX: (651) 264-5485

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

MULLION TABLES & CONFIGURATIONS

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

REMARKS:

BY:  **DATE:**

FL #: FL19971

DATE: 04.17.23

DWG BY: MS **CHK BY:** HFN

SCALE: NTS

DWG #: AWD333

SHEET: 7

THESE CERTIFICATES ARE FOR THE USE OF THE ENGINEER ONLY. THEY ARE NOT TO BE USED FOR ANY OTHER PURPOSE. THE ENGINEER'S SIGNATURE AND SEAL ARE REQUIRED FOR THE CERTIFICATE TO BE VALID. THE ENGINEER'S SIGNATURE AND SEAL ARE REQUIRED FOR THE CERTIFICATE TO BE VALID. THE ENGINEER'S SIGNATURE AND SEAL ARE REQUIRED FOR THE CERTIFICATE TO BE VALID.

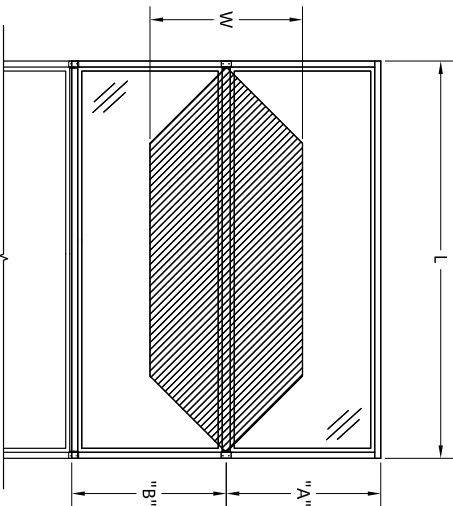
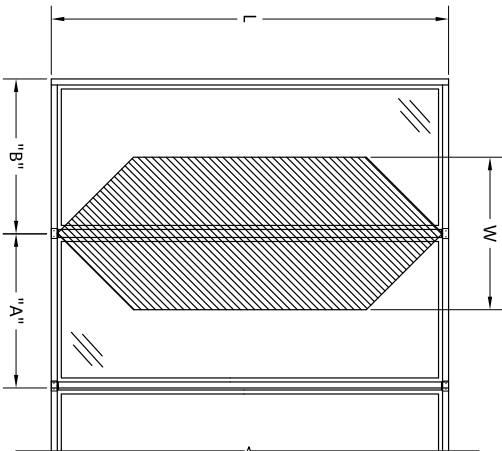
PROFESSIONAL ENGINEER
HEIMER F. NORDRO
No. 76878
STATE OF FLORIDA
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

OF 13

ONE-WAY MULLION DESIGN PRESSURE CHART (PSF)
DESIGNED FOR SECTIONS A/2, B/2, C/2
INSTALLATION TO HOLLOW BLOCK OR GROUT-FILLED CMU
W - TRIBUTARY WIDTH (IN)

L - MULL LENGTH (IN)	24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96
24	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
30	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
36	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
42	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
48	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
54	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
60	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
66	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
72	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
78	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
84	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
90	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
96	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
97.75	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
102	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
108	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
114	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
120	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
122.5	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
126	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
132	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
138	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
144	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00

- NOTE:
- MULLION CHART APPLIES TO RBA DAYLIGHT MULLION ASSEMBLIES: SECTIONS A/2, B/2, C/2, WHEN MULLIED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
 - INSTALLATION TO HOLLOW BLOCK OR GROUT-FILLED CMU, SEE SHEET 1, INSTALLATION NOTE 7.
 - TRIBUTARY WIDTH: $W = (A+B)/2$
 - REFER TO SHEET 3 FOR INSTALLATION DETAILS.
 - WHEN PRODUCTS 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 CONFIGURATIONS



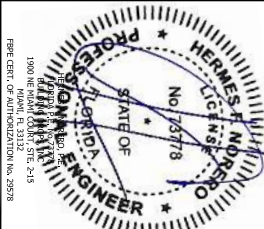
100 FOURTH AVE NORTH
DAVPORT, FL 33505-1096
PH: (651) 266-5333 FX: (651) 266-5485

TITLE:
RENEWAL by ANDERSEN
DAYLIGHT MULLION
(NON-HVHZ) (NON-IMPACT)
MULLION TABLES & CONFIGURATIONS

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

REMARKS

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE BASED ON THE REQUIREMENTS OF THE MANUFACTURER'S INSTRUCTIONS. THE INSTALLER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND FOR ENSURING THAT THE SITE CONDITIONS ARE SUITABLE FOR THE INSTALLATION. THE MANUFACTURER'S INSTRUCTIONS SHALL BE USED IN CONJUNCTION WITH THIS DOCUMENT.



FL #:
FL19971

DATE: 04.17.23

DWG BY: MS
CHK BY: HFN

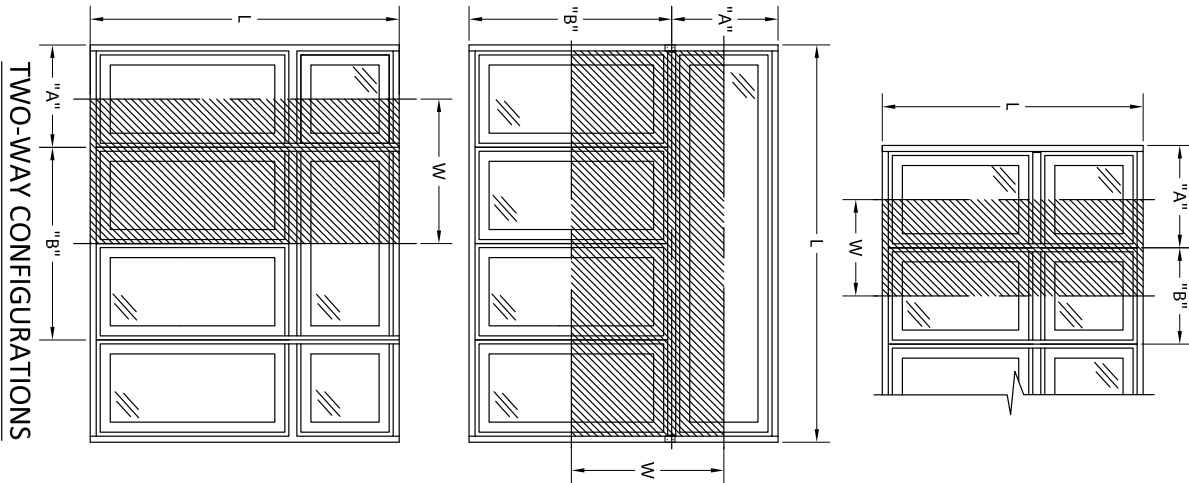
SCALE: NTS

DWG #: AWD333

SHEET:

L - MULL LENGTH (IN)		TWO-WAY MULLION DESIGN PRESSURE CHART (PSF)																				
		DESIGNED FOR SECTIONS A/2, B/2, C/2																				
		INSTALLATION TO HOLLOW BLOCK OR GROUT-FILLED CMU																				
		W - TRIBUTARY WIDTH (IN)																				
		24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96						
24	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
30	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
36	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
42	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
48	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
54	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
60	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
66	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
72	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
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84	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
90	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
96	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
97.75	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
102	47.92	38.34	31.95	27.38	26.21	23.96	21.30	19.74	19.17	17.43	15.97	-	-	-	-	-	-	-	-	-	-	-
108	45.26	36.21	30.17	25.86	24.76	22.63	20.12	18.65	18.10	16.46	15.09	-	-	-	-	-	-	-	-	-	-	-
114	42.88	34.30	28.59	24.50	23.45	21.44	19.06	17.67	17.15	15.59	-	-	-	-	-	-	-	-	-	-	-	-
120	40.73	32.59	27.16	22.80	22.28	20.37	18.10	16.78	16.29	-	-	-	-	-	-	-	-	-	-	-	-	-
122.5	39.90	31.92	26.60	22.80	21.83	19.95	17.73	16.44	15.96	-	-	-	-	-	-	-	-	-	-	-	-	-
126	38.79	31.04	25.86	22.17	21.22	19.40	17.24	15.98	15.52	-	-	-	-	-	-	-	-	-	-	-	-	-
132	37.03	29.62	24.69	21.16	20.26	18.52	16.46	15.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138	35.42	28.34	23.61	20.24	19.38	17.71	15.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144	33.95	27.16	22.63	19.40	18.57	16.97	15.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- NOTE:
- MULLION CHART APPLIES TO RBA DAYLIGHT MULLION ASSEMBLIES: SECTIONS A/2, B/2, C/2, WHEN MULLIED IN TWO-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - 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:
 - INSTALLATION TO HOLLOW BLOCK OR GROUT-FILLED CMU, SEE SHEET 1, INSTALLATION NOTE 7.
 - TRIBUTARY WIDTH: $W = (A+B)/2$
 - REFER TO SHEET 3 FOR INSTALLATION DETAILS.
 - WHEN PRODUCTS 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.





RENEWAL by ANDERSEN
100 FOURTH AVE NORTH
DAVPORT, MN 55005-1096
PH: (651) 266-2333 FAX: (651) 266-4485

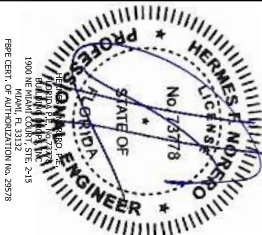
TITLE:
RENEWAL by ANDERSEN
DAYLIGHT MULLION
(NON-HVHZ) (NON-IMPACT)

MULLION TABLES & CONFIGURATIONS

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

REMARKS:

BY DATE



THE INSTALLATION DETAILS DESCRIBED HEREIN ARE ENGINEERED BY HEIMES F. NODERO, A PROFESSIONAL ENGINEER, LICENSE NO. 76878, STATE OF FLORIDA. THESE DETAILS ARE BASED ON THE INFORMATION PROVIDED BY THE CLIENT AND THE ASSUMPTIONS MADE THEREIN. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED OR THE RESULTS OF THE INSTALLATION. THE CLIENT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR ENSURING THAT THE INSTALLATION IS COMPLETED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PHONE: (954) 399-8478
FAX: (954) 744-4738
WWW.BUILDINGDROPS.COM

FL #:
FL19971

DATE:
04.17.23

DWG. BY:
MS

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
AWD333

SHEET:
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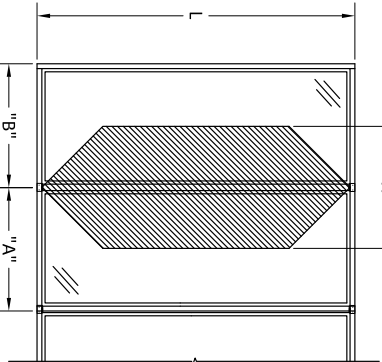
OF 13

ONE-WAY/TWO-WAY MULLION DESIGN PRESSURE CHART (PSF)

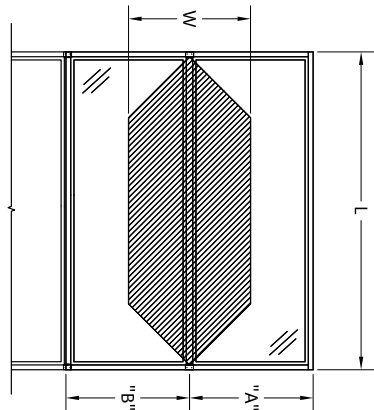
L - MULL LENGTH (IN)	DESIGNED FOR SECTIONS D/2, E/2, F/2, OR COMBINATION OF SECTIONS A/2 & D/2, B/2 & E/2, C/2 & F/2																	
	INSTALLATION TO WOOD OR CONCRETE																	
	W - TRIBUTARY WIDTH (IN)																	
	24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96			
24	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
30	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
36	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
42	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
48	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
54	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
60	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
66	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
72	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
78	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
84	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
90	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
96	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
97.75	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
102	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
108	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
114	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
120	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
122.5	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
126	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
132	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
138	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
144	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			

NOTE:

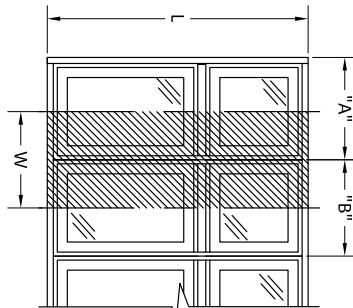
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 - TRIBUTARY WIDTH: $W = (A+B)/2$
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ONE-WAY CONFIGURATIONS



TWO-WAY CONFIGURATIONS



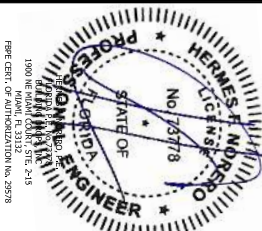
TITLE:
RENEWAL by ANDERSEN
DAYLIGHT MULLION
(NON-HVHZ) (NON-IMPACT)
MULLION TABLES & CONFIGURATIONS

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BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
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REMARKS

BY DATE

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FL #: FL19971

DATE: 04.17.23

DWG BY: MS CHK BY: HFN

SCALE: NTS

DWG #: AWD333

SHEET:

10

OF 13

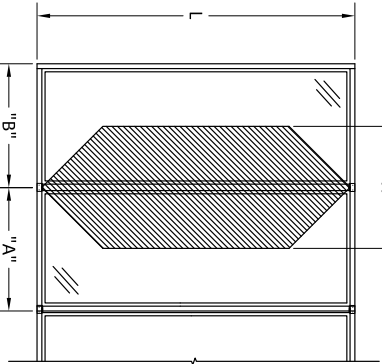


ONE-WAY/TWO-WAY MULLION DESIGN PRESSURE CHART (PSF)

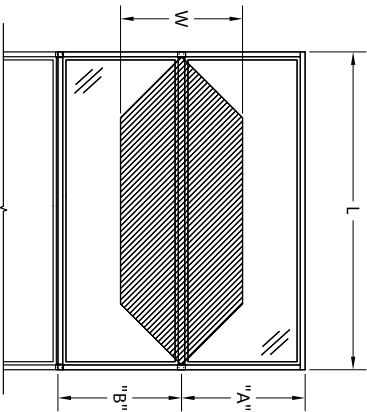
L - MULL LENGTH (IN)	DESIGNED FOR SECTIONS D/2, E/2, F/2, OR COMBINATION OF SECTIONS A/2 & D/2, B/2 & E/2, C/2 & F/2																	
	INSTALLATION TO STEEL OR ALUMINUM																	
	W - TRIBUTARY WIDTH (IN)																	
	24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96			
24	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
30	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
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66	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
72	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
78	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
84	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
90	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
96	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
97.75	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
102	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
108	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
114	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
120	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
122.5	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
126	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
132	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
138	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			
144	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00			

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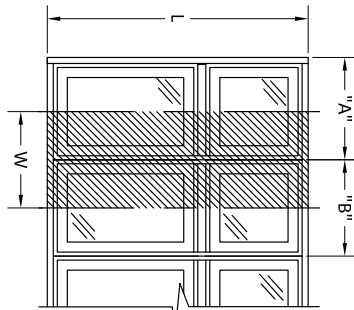
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ONE-WAY CONFIGURATIONS



TWO-WAY CONFIGURATIONS



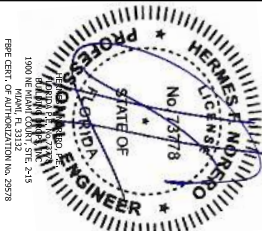
TITLE:
RENEWAL by ANDERSEN
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FL #: FL19971

DATE: 04.17.23

DWG BY: MS
CHK BY: HFN

SCALE: NTS

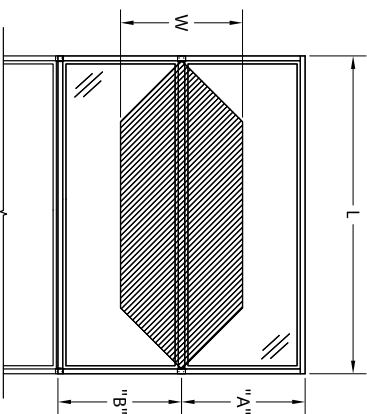
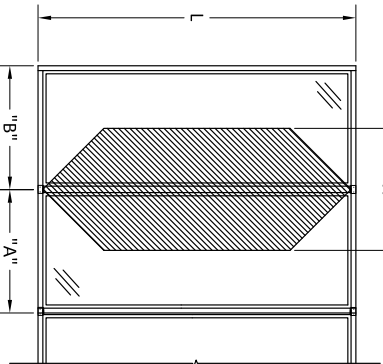
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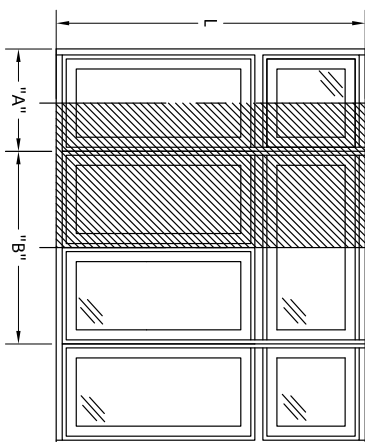
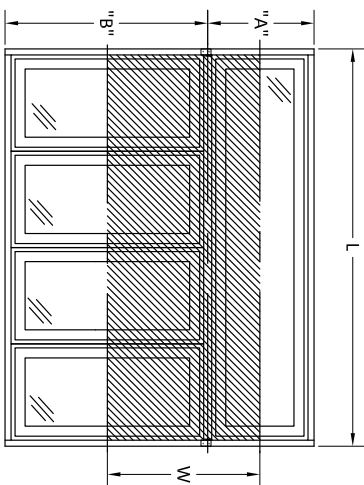
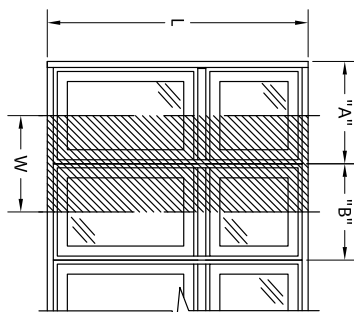
L - MULL LENGTH (IN)		ONE-WAY/TWO-WAY MULLION DESIGN PRESSURE CHART (PSF)															
		DESIGNED FOR SECTIONS D/2, E/2, F/2, OR COMBINATION OF SECTIONS A/2 & D/2, B/2 & E/2, C/2 & F/2															
		INSTALLATION TO HOLLOW BLOCK OR GROUT-FILLED CMU															
		W - TRIBUTARY WIDTH (IN)															
		24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96	
24		40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	
30		40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	
36		40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	38.79	36.21	33.95	
42		40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	38.79	35.81	33.25	31.04	
48		40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	37.03	33.95	31.33	29.10	27.16	
54		40.00	40.00	40.00	40.00	40.00	40.00	40.00	37.30	36.21	32.92	27.85	25.86	24.14	22.63		
60		40.00	40.00	40.00	40.00	40.00	40.00	36.21	33.57	32.59	29.62	27.16	25.07	23.28	21.72	20.37	
66		40.00	40.00	40.00	40.00	40.00	37.03	33.95	30.17	29.62	26.93	24.69	22.79	21.16	19.75	18.52	
72		40.00	40.00	40.00	38.79	37.14	33.95	30.17	27.97	27.16	24.69	22.63	20.89	19.40	18.10	16.97	
78		40.00	40.00	40.00	35.81	34.28	31.33	27.85	25.82	25.07	22.79	20.89	19.28	17.91	16.71	15.67	
84		40.00	40.00	38.79	33.25	31.83	29.10	25.86	23.98	23.28	21.16	19.40	17.91	16.63	15.52	-	
90		40.00	40.00	36.21	31.04	29.71	27.16	24.14	22.38	21.72	19.75	18.10	16.71	15.52	-	-	
96		40.00	40.00	33.95	29.10	27.85	25.46	22.63	20.98	20.37	18.52	16.87	15.67	-	-	-	
97.75		40.00	40.00	33.54	28.57	27.35	25.00	22.22	20.60	20.00	18.18	16.67	15.39	-	-	-	
102		40.00	38.34	31.95	27.38	26.21	23.96	21.30	19.74	19.10	17.43	15.97	-	-	-	-	
108		40.00	36.31	30.17	25.86	24.76	22.63	20.12	18.65	18.17	16.46	15.09	-	-	-	-	
114		40.00	34.30	28.59	24.50	23.45	21.44	19.06	17.67	17.15	15.59	-	-	-	-	-	
120		40.00	32.59	27.16	23.28	22.28	20.37	18.10	16.78	16.29	-	-	-	-	-	-	
122.5		38.90	31.04	26.60	22.80	21.83	19.95	17.73	16.44	15.96	-	-	-	-	-	-	
126		39.79	31.92	25.86	22.17	21.22	19.40	17.24	15.98	15.52	-	-	-	-	-	-	
132		37.03	29.62	24.69	21.16	20.26	18.52	16.46	15.26	-	-	-	-	-	-	-	
138		34.50	27.60	23.00	19.72	18.87	17.25	15.33	-	-	-	-	-	-	-	-	
144		30.37	24.29	20.24	17.35	16.61	15.18	-	-	-	-	-	-	-	-	-	

NOTE:

1. MULLION CHART APPLIES TO RRA DAYLIGHT MULLION ASSEMBLIES: SECTIONS D/2, E/2, F/2, OR COMBINATION OF SECTIONS A/2 & D/2, B/2 & E/2, C/2 & F/2, WHEN MULIED IN ONE-WAY OR TWO-WAY, STACK OR RIBBON, CONFIGURATIONS.
2. DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
3. DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION.
4. ADJACENT WINDOW S SHALL BE UNDER SEPARATE FL APPROVAL.
5. MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
 1. INSTALLATION TO HOLLOW BLOCK OR GROUT-FILLED CMU, SEE SHEET 1, INSTALLATION NOTE 7.
 2. TRIBUTARY WIDTH: $W = (A+B)/2$
 3. REFER TO SHEET 3 FOR INSTALLATION DETAILS.
6. WHEN PRODUCTS 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 CONFIGURATIONS



TWO-WAY CONFIGURATIONS



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

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

MULLION TABLES & CONFIGURATIONS

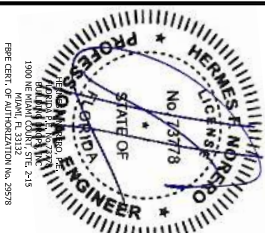
PREPARED BY:

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

REMARKS

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



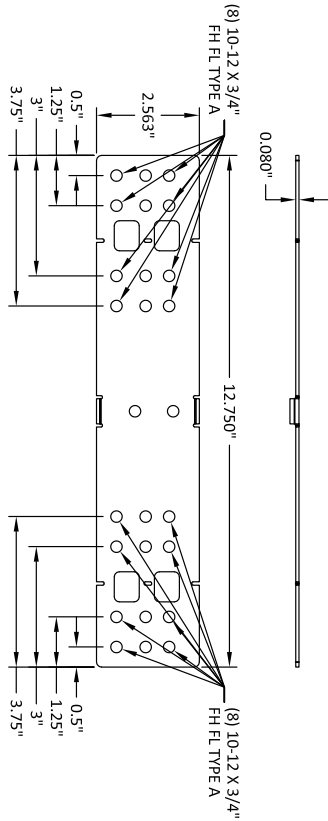
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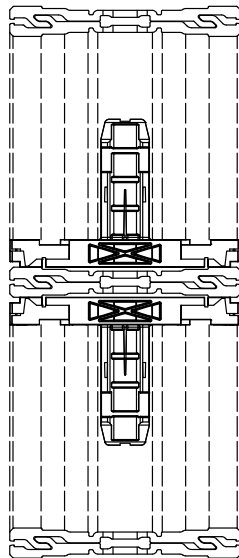
DWG. BY: MS	CHK. BY: HF
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SCALE: NTS
DWG. #: AWD333

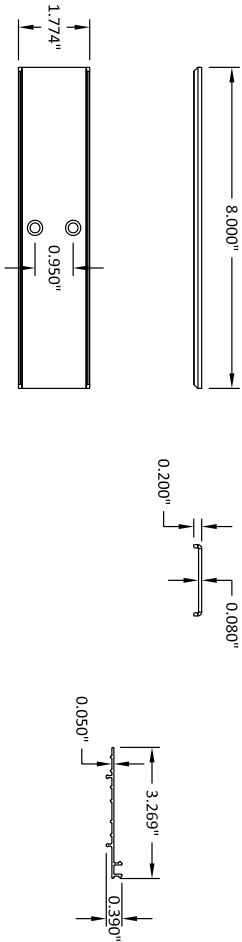
SHEET:



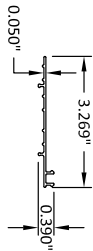
1 FLAT GUSSET PLATE
GALVANIZED STEEL



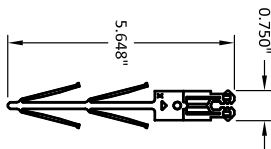
2 END PLUG
GLASS FILLED NYLON



3 INTERSECTION BRACKET
GALVANIZED STEEL



4 ALIGNMENT SPACER
PVC



5 JOIN IN OPENING PLUG SEAL
GLASS FILLED NYLON



100 FOURTH AVE NORTH
DAVPORT, FL 33003-1095
PH: (954) 399-8478 FX: (954) 399-8478

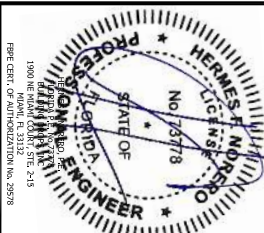
TITLE:
RENEWAL by ANDERSEN
DAYLIGHT MULLION
(NON-HVHZ) (NON-IMPACT)
COMPONENT DETAILS

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

REMARKS

BY DATE

THE INSULATION DETAILS DESCRIBED HEREIN ARE BASED ON THE ASSUMPTIONS AND CONDITIONS SET FORTH IN THE SPECIFICATIONS AND THE REQUIREMENTS SET FORTH HEREIN. A LICENSED PROFESSIONAL ENGINEER HAS REVIEWED THE INSULATION DETAILS AND HAS DETERMINED THAT THEY ARE IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH HEREIN. THIS DOCUMENT IS FOR USE WITH THIS DOCUMENT.



FL #:
FL19971

DATE: 04.17.23

DWG. BY: MS CHK. BY: HFN

SCALE: NTS

DWG. #: AWD333

SHEET:

13

OF 13