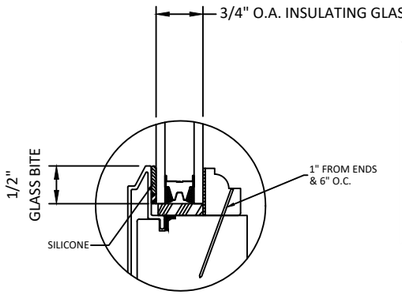
ANDERSEN CORPORATION

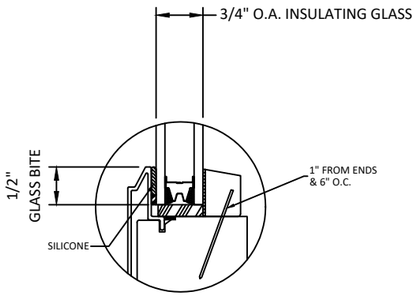
E-SERIES AWNING WINDOW (NON-HVHZ) (NON-IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
   - AAMA/WDMA/CSA 101/I.S.2/A440-08/11
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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: *ALUMINUM CLAD WOOD.*
7. MULLION MATERIAL: *LAMINATED VENEER LUMBER.*
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 . SEE SHEET *1* FOR GLAZING DETAILS.
9. *DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:*
   X: OPERABLE PANEL
   O: FIXED PANEL
10. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.



GLAZING DETAIL G1



GLAZING DETAIL G2

GLAZING NOTES:
1. GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLES ON SHEET 10.

WINDOW TYPE	CONFIGURATION	OVERALL AWNING FRAME SIZE		OVERALL D.L.O. DIMENSION		GLASS TYPE	No. LOCK POINTS	DESIGN PRESSURE (PSF)	
		WIDTH (IN.)	HEIGHT (IN.)	WIDTH (IN.)	HEIGHT (IN.)			POS.	NEG.
SINGLE	X	48.0	66.0	41.87	59.87	G1	3	+65	-65
SINGLE	X	48.0	60.0	41.87	41.87	G1	2	+50	-50
SINGLE	X	48.0	36.0	41.87	29.87	G1	1	+50	-50
MULLED	XX OR X/X	48.0	66.0	41.87	59.87	G1	3	+65	-65
MULLED	XX OR X/X	48.0	60.0	41.87	41.87	G1	2	+50	-50
MULLED	XX OR X/X	48.0	36.0	41.87	29.87	G1	1	+50	-50

NOTE: VINYL NAILING FLANGE INSTALLATIONS ARE LIMITED TO UNITS EQUAL TO OR LESS THAN DP +50/-50 AND ASSEMBLIES LESS THAN OR EQUAL TO 30 SQUARE FEET.

TABLE OF CONTENTS

Andersen AW WINDOWS • DOORS

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

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)* GENERAL 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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

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 Hermes F Norero
Reason: I am approving this document
Date: 2019.08.16 14:38:23 -04'00'

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

FL #: FL24227

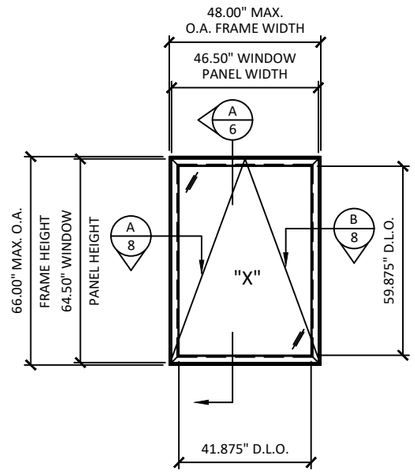
DATE: 10.08.17

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD199

SHEET: 1 OF 28



ELEVATION

SINGLE UNIT

HEIGHT	PSF
66.0"	+65/-65
60.0"	+50/-50
36.0"	+50/-50

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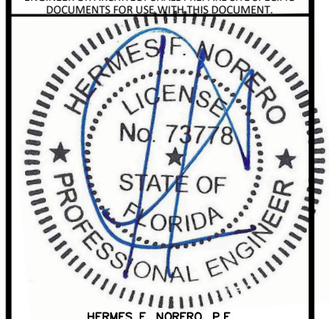

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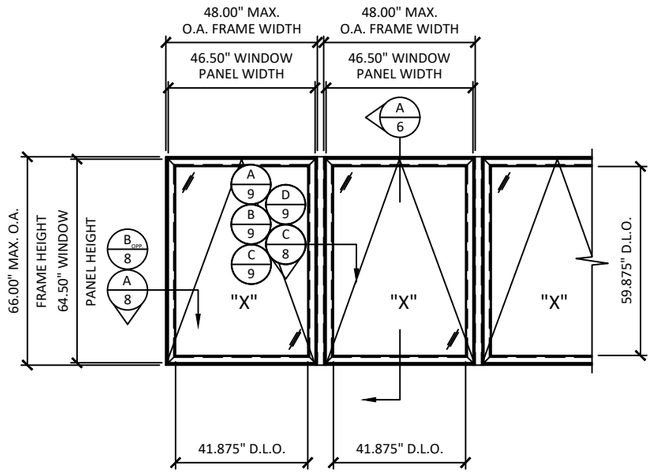
SHEET: 2 OF 28



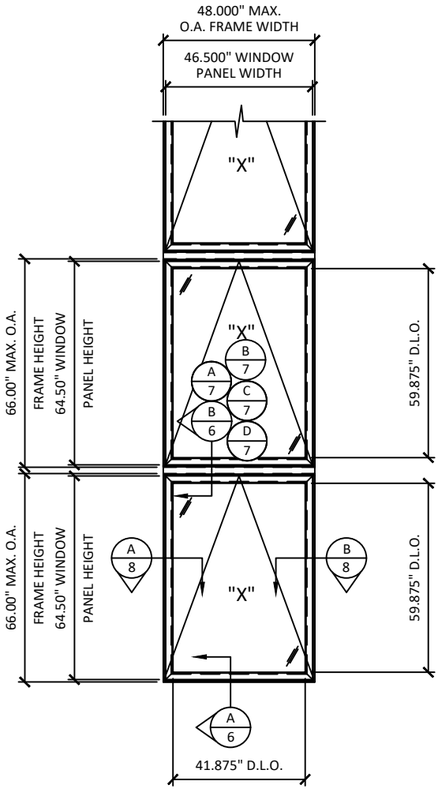
ELEVATION

MULLED UNITS (WITH 2" MULLION)
HORIZONTAL CONFIGURATION

HEIGHT	PSF
66.0"	+65/-65
60.0"	+50/-50
36.0"	+50/-50

NOTE:

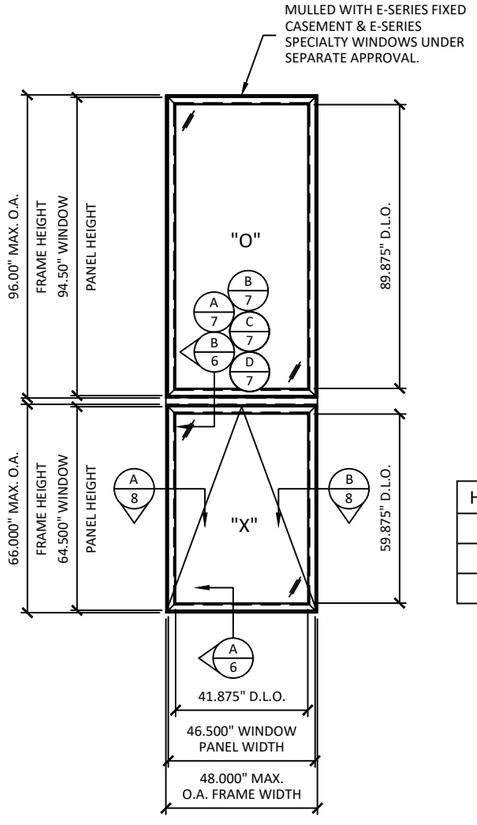
REFER TO SHEETS 11-28 FOR DESIGN PRESSURES BASED ON CORRESPONDING MULLION TYPES



ELEVATION

MULLED UNITS (WITH 2" MULLION)
VERTICAL CONFIGURATION

HEIGHT	PSF
66.0"	+65/-65
60.0"	+50/-50
36.0"	+50/-50



ELEVATION

MULLED WITH E-SERIES FIXED CASEMENT OR E-SERIES SPECIALTY WINDOW UNITS (WITH 2" MULLION)

HEIGHT	PSF
66.0"	+65/-65
60.0"	+50/-50
36.0"	+50/-50

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MULLED ELEVATIONS

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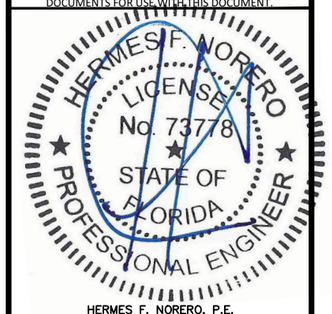

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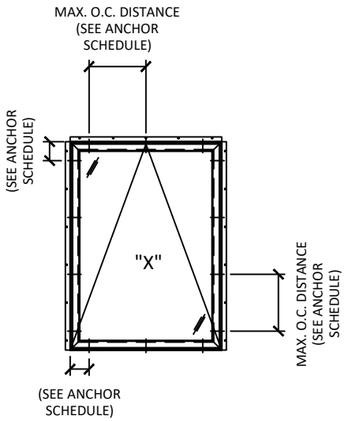
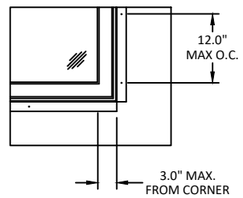
SHEET: 3 OF 28



FRAME ANCHORING

SINGLE UNIT



ALUMINUM FIN ANCHORING

SINGLE UNIT

NOTE :

FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES) SEE SHEET 10

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TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*

ANCHOR LAYOUTS

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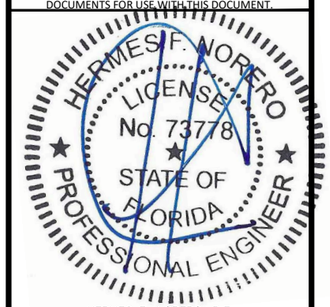

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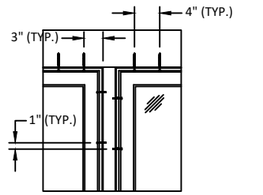
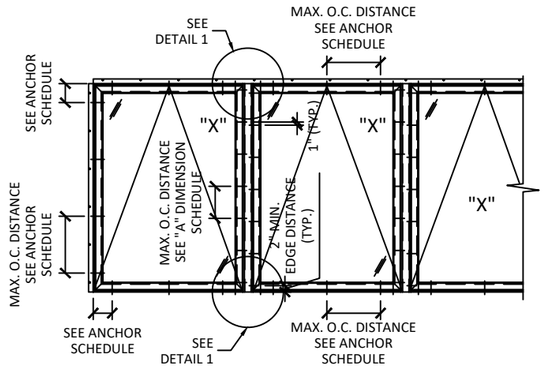


ALUMINUM FIN ANCHORING

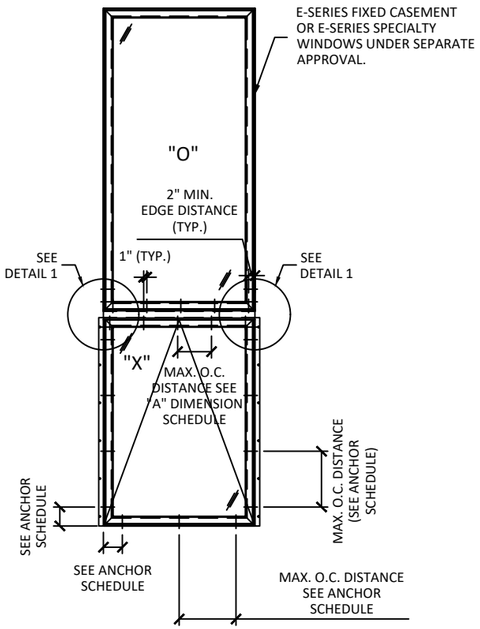
SINGLE UNIT



FRAME ANCHORING

MULLED UNITS (WITH 2" MULLION)
HORIZONTAL CONFIGURATION

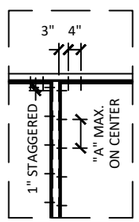
NOTE:
1. ALL CONFIGURATIONS MAY VARY AS FIXED OR OPERABLE UNITS IN ANY COMBINATION



FRAME ANCHORING

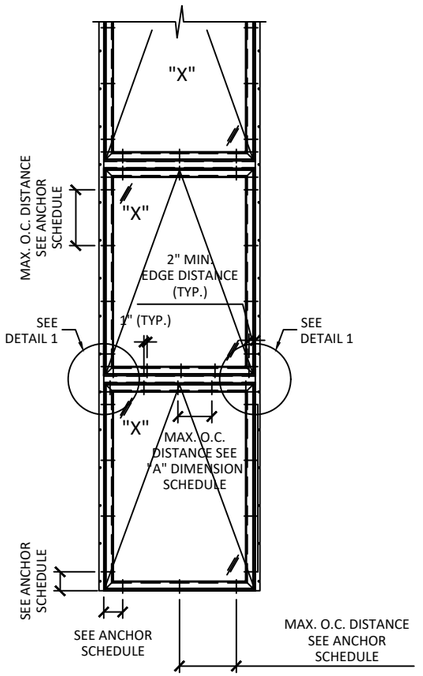
MULLED WITH E-SERIES FIXED CASEMENT OR E-SERIES SPECIALTY WINDOW UNITS (WITH 2" MULLION)

AWNING LOCKING POINTS ALONG JAMB:
48" x 66": 3 LOCKS LOCATED AT 11.5", 31.66" & 51.75" FROM SILL.
48" x 60": 2 LOCKS LOCATED AT 11.5" & 45.75" FROM SILL.
48" x 36": 1 LOCK LOCATED AT 27.75" FROM SILL.



DETAIL 1

DESIGN PRESSURE	"A" DIMENSION
UP TO 40 PSF	12" MAX. O.C.
UP TO 50 PSF	10" MAX. O.C.
UP TO 65 PSF	8" MAX. O.C.



FRAME ANCHORING

MULLED UNITS (WITH 2" MULLION)
VERTICAL CONFIGURATION

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
MULLED ANCHOR LAYOUTS

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398 E. DANIA BEACH BLVD., STE. 338
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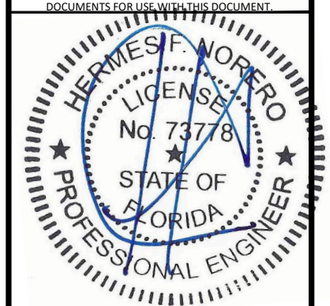
MULLS & DP CHARTS UPDATE	LL	8.13.19



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SCALE: NTS

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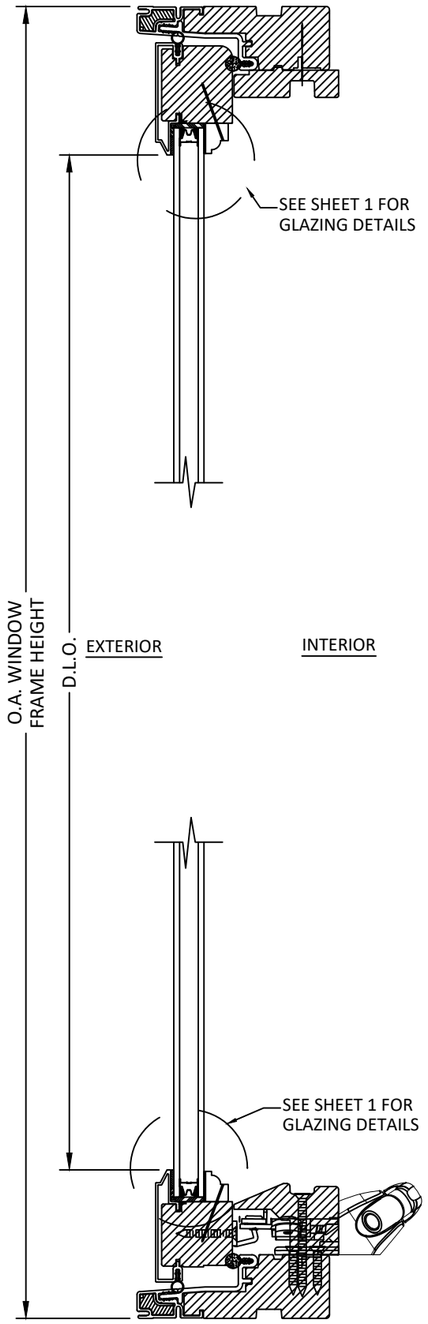
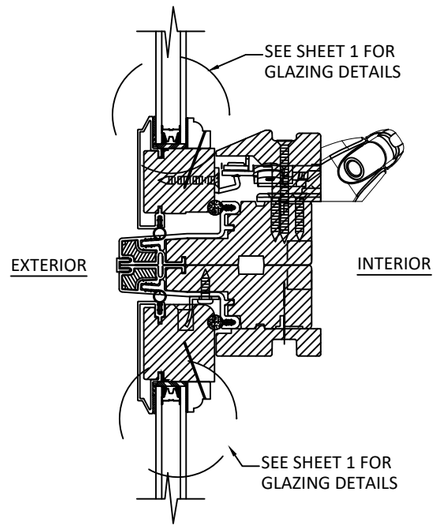
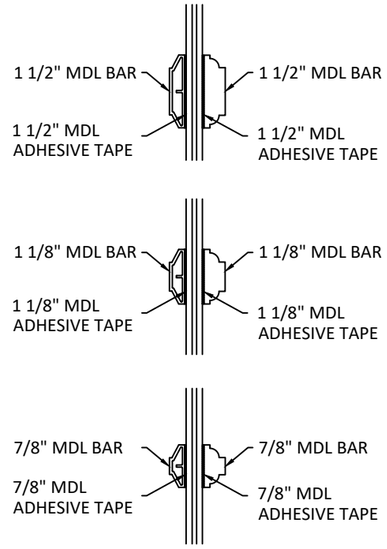
SHEET: 5 OF 28



A 6 VERTICAL SECTION
INSULATED GLASS



B 6 VERTICAL SECTION
ZERO MULLION



OPTIONAL MUNTIN BAR ATTACHMENT TO GLASS

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VERTICAL SECTIONS

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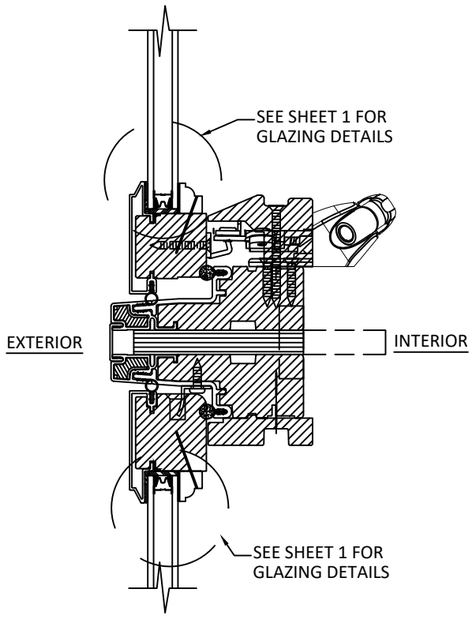
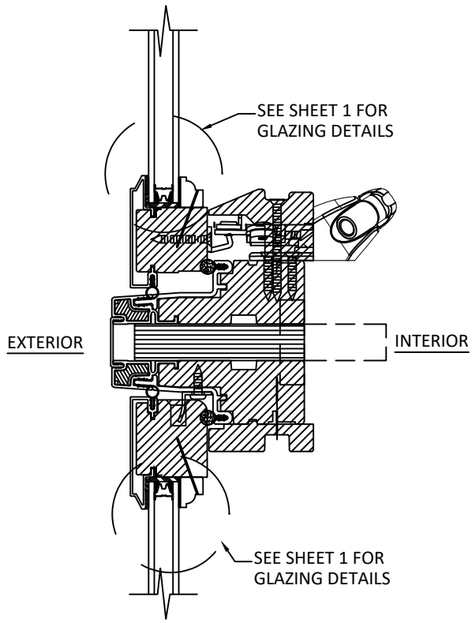
SHEET: 6 OF 28



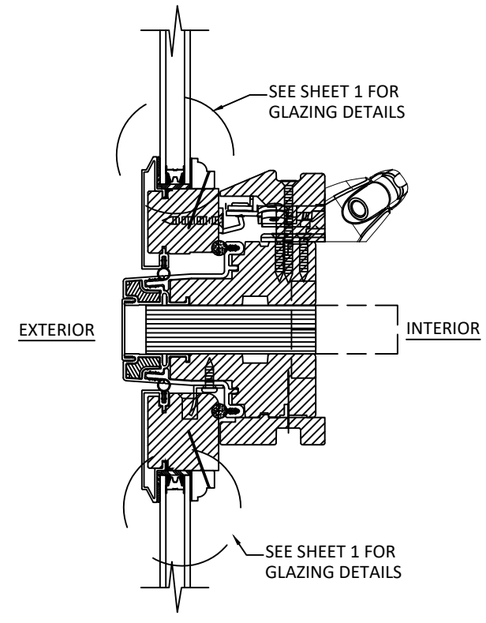
A/7 VERTICAL SECTION

INSULATED GLASS
1/2" X 3-1/2" MULLION
OR 1/2" X 5 3/16"



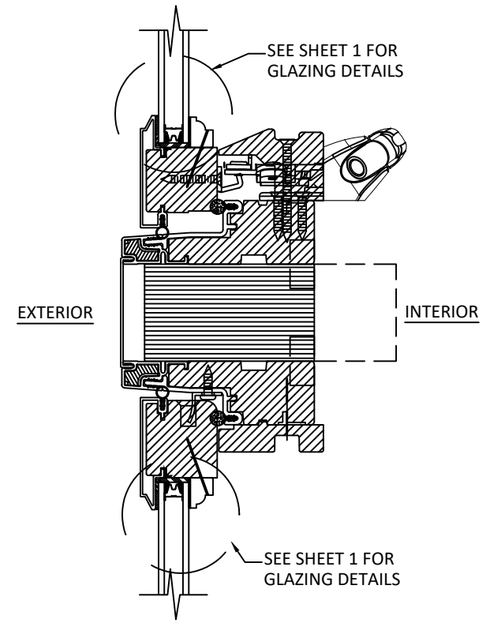
B/7 VERTICAL SECTION

INSULATED GLASS
3/4" X 3-1/2" MULLION
OR 3/4" X 5 3/16"



C/7 VERTICAL SECTION

INSULATED GLASS
1" X 3-1/2" MULLION
OR 1" X 5 3/16"



D/7 VERTICAL SECTION

INSULATED GLASS
2" X 3-1/2" MULLION
OR 2" X 5 3/16"

NOTE : LVL MULL BETWEEN JAMBS MAY BE 3 1/2" OR 5 3/16" IN DEPTH AS REPRESENTED BY DASHED LINES

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MULLED VERTICAL SECTIONS

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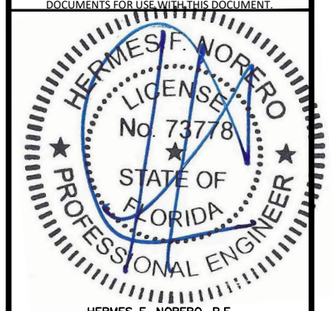
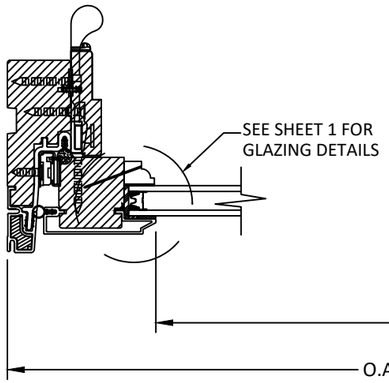
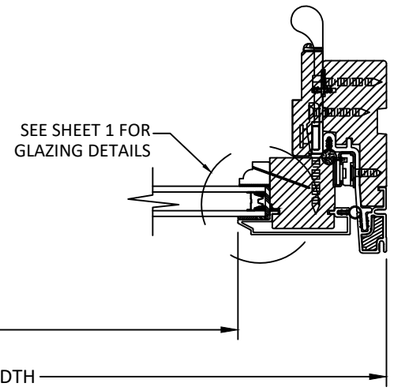


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

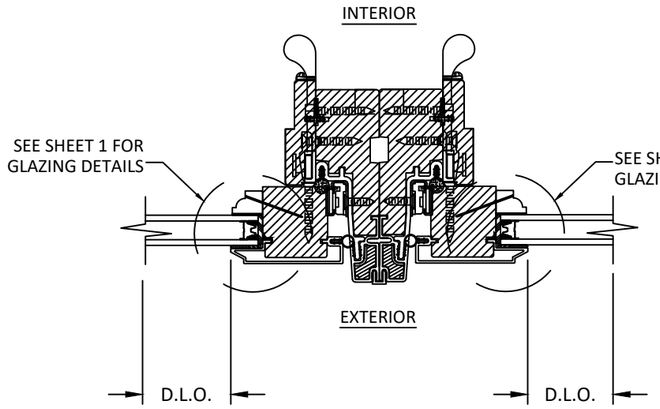
FL #: FL24227
DATE: 10.08.17
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 7 OF 28



A/8 HORIZONTAL SECTION
INSULATED GLASS



B/8 HORIZONTAL SECTION
INSULATED GLASS



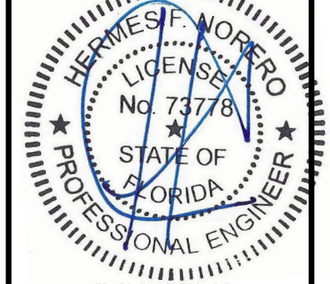
C/8 HORIZONTAL SECTION
ZERO MULLION
INSULATED GLASS

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
HORIZONTAL SECTIONS

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19



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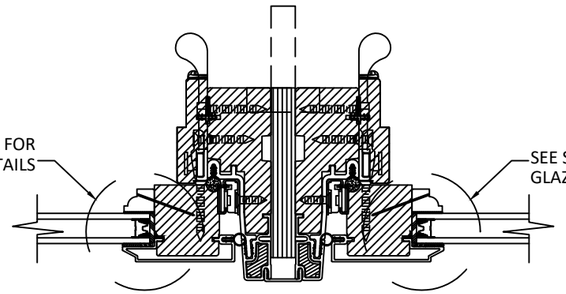
SHEET: 8 OF 28

INTERIOR

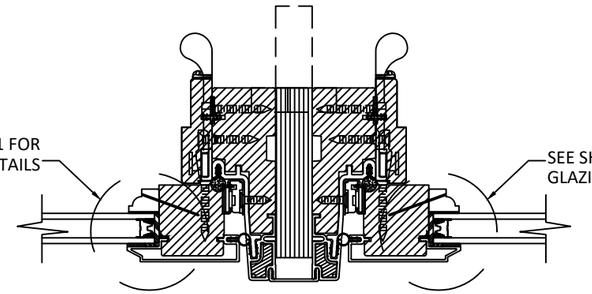


EXTERIOR

A/9 HORIZONTAL SECTION

INSULATED GLASS
1/2" X 3-1/2" MULLION
OR 1/2" X 5 3/16"

INTERIOR



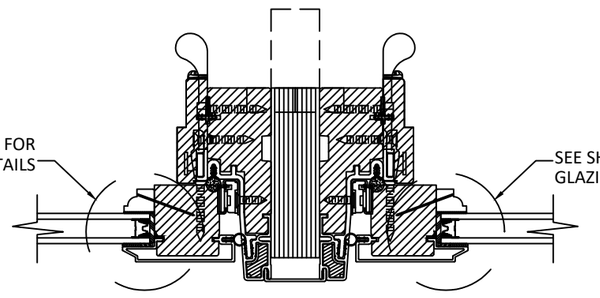
EXTERIOR

B/9 HORIZONTAL SECTION

INSULATED GLASS
3/4" X 3-1/2" MULLION
OR 3/4" X 5 3/16"

NOTE : LVL MULLS BETWEEN JAMBS MAY BE 3 1/2" OR 5 3/16" IN DEPTH AS REPRESENTED BY DASHED LINES

INTERIOR

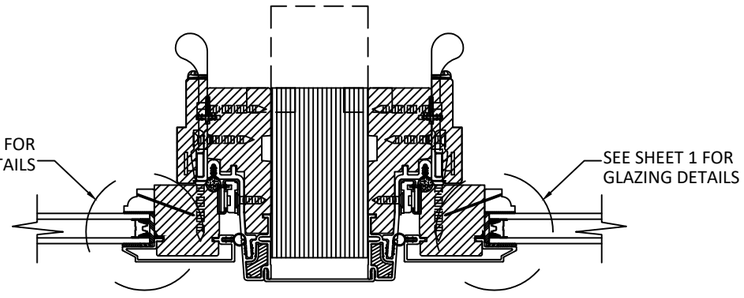


EXTERIOR

C/9 HORIZONTAL SECTION

INSULATED GLASS
1" X 3-1/2" MULLION
OR 1" X 5 3/16"

INTERIOR



EXTERIOR

D/9 HORIZONTAL SECTION

INSULATED GLASS
2" X 3-1/2" MULLION
OR 2" X 5 3/16"

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TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
MULLED HORIZONTAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
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PH: (954)399-8478
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REMARKS	BY	DATE
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ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
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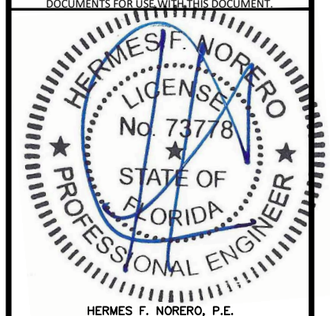

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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227
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DWG. BY: RV
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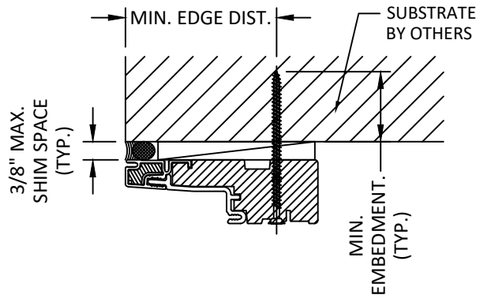
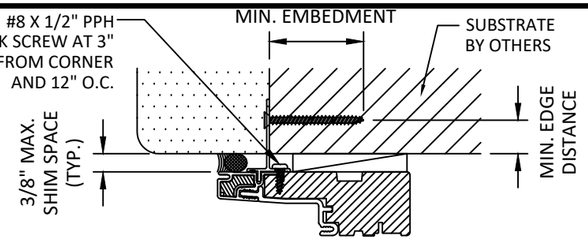
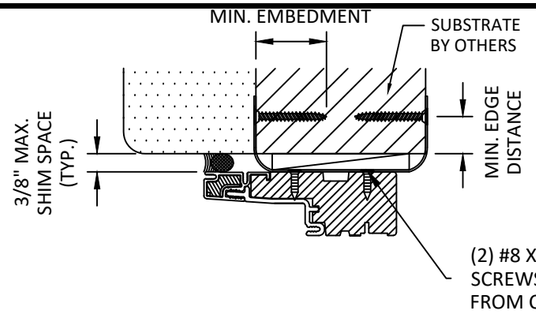
SHEET: 9 OF 28



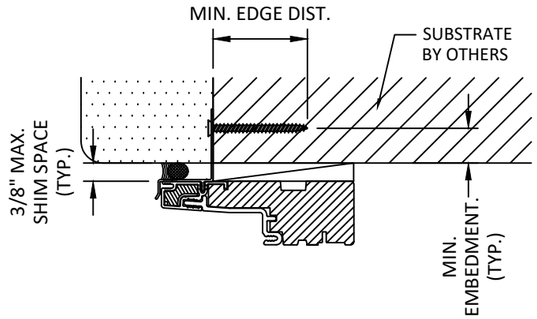
A 10 ANCHOR DETAIL
THROUGH FRAME (SILL & JAMB)



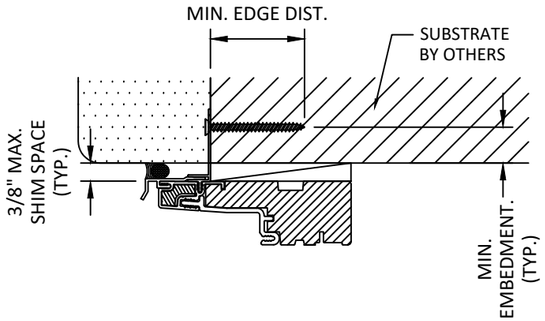
B 10 ANCHOR DETAIL
ALUMINUM NAIL FIN (OPTIONAL WITH 2X BUCK) (SILL & JAMB)



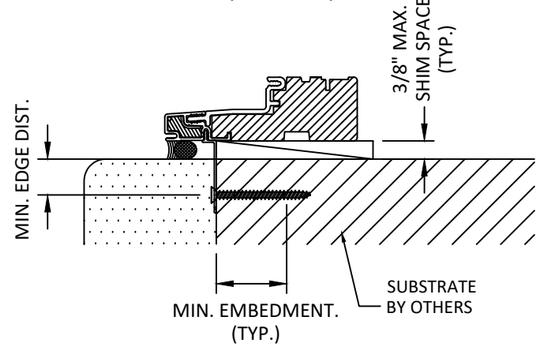
C 10 ANCHOR DETAIL
STRAP ANCHOR (WITH 2X BUCK) (SILL & JAMB)



D 10 ANCHOR DETAIL
VINYL NAIL FIN - HEAD ONLY



E 10 ANCHOR DETAIL
VINYL NAIL FIN - HEAD ONLY



F 10 ANCHOR DETAIL
VINYL NAIL FIN (SILL & JAMB)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED. TWO (2) ANCHORS TO BE PLACED ON EACH SIDE OF THE MULLION.
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. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
5. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
6. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
7. 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.

ANCHOR SCHEDULE

METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE	FROM CORNERS	O.C. HEAD & SILL	O.C. JAMBS
THROUGH FRAME	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.5"	0.75"	6"	10"	10"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	1/4" TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"	6"	10"	10"
	ALUM.: MIN 6063-T5, MIN. THICKNESS 1/8"	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"	6"	10"	10"
	CONCRETE: f'c=3000PSI	1/4" ITW TAPCON	1.75"	2.5"	6"	10"	10"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON	1.75"	2.5"	6"	10"	10"
STRAP ANCHOR	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1.5"	0.75"	6"	10"	10"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	1/4" TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"	6"	10"	10"
	ALUM.: MIN 6063-T5, MIN. THICKNESS 1/8"	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"	6"	10"	10"
	CONCRETE: f'c=3000PSI	1/4" ITW TAPCON	1.75"	2.5"	6"	10"	10"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON	1.75"	2.5"	6"	10"	10"
ALUMINUM NAILING FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1.5"	0.75"	3"	12"	12"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"	3"	12"	12"
	ALUM.: MIN 6063-T5, MIN. THICKNESS 1/8"	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"	3"	12"	12"
VINYL NAILING FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1.5"	0.75"	3"	3.5"	3.5"
	WOOD: MIN. SG = 0.55	11 GA. ROOFING NAIL	1.5"	0.75"	3"	3.5"	3.5"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"	3"	3.5"	3.5"
	ALUM.: MIN 6063-T5, MIN. THICKNESS 1/8"	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.75"	3"	3.5"	3.5"

Andersen AW WINDOWS • DOORS
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TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)* ANCHOR DETAILS

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398 E. DANIA BEACH BLVD., STE. 338
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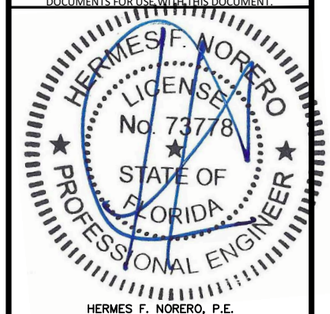

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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227

DATE: 10.08.17

DWG. BY: RV | CHK. BY: HFN

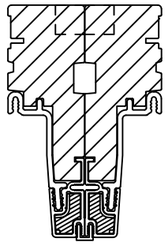
SCALE: NTS

DWG. #: AWD199

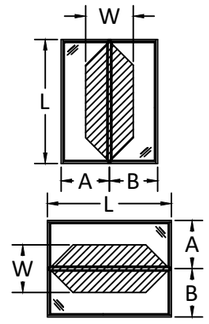
SHEET: 10 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
ZERO STRUCTURAL MULLION (ONE-WAY) CONFIGURATION

L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
30.0	47.60	44.95	44.95	44.95	44.95	44.95	44.95	44.95	44.95	44.95	44.95	44.95	44.95	44.95	44.95
36.0	30.52	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01	26.01
42.0	21.43	16.87	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38	16.38
48.0	15.96	12.00	10.97	10.97	10.97	10.97	10.97	10.97	10.97	10.97	10.97	10.97	10.97	10.97	10.97
54.0	12.37	9.04	7.85	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71
60.0	9.89	7.09	5.95	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62
66.0	8.10	5.72	4.70	4.27	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22
72.0	6.75	4.73	3.81	3.38	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25
78.0	5.72	3.98	3.17	2.76	2.58	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
84.0	4.91	3.39	2.68	2.30	2.11	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05
90.0	4.26	2.93	2.30	1.95	1.76	1.68	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66
96.0	3.74	2.56	1.99	1.68	1.50	1.40	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37
102.0	3.30	2.25	1.75	1.46	1.29	1.20	1.15	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
108.0	2.94	2.00	1.55	1.29	1.13	1.03	0.98	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
114.0	2.63	1.79	1.38	1.14	1.00	0.90	0.85	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
120.0	2.37	1.61	1.24	1.02	0.89	0.80	0.74	0.71	0.70	0.70	0.70	0.70	0.70	0.70	0.70
126.0	2.15	1.46	1.12	0.92	0.79	0.71	0.66	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61
132.0	1.96	1.32	1.01	0.83	0.72	0.64	0.59	0.55	0.53	0.53	0.53	0.53	0.53	0.53	0.53
138.0	1.79	1.21	0.92	0.76	0.65	0.58	0.53	0.49	0.47	0.46	0.46	0.46	0.46	0.46	0.46
144.0	1.64	1.11	0.84	0.69	0.59	0.52	0.48	0.44	0.42	0.41	0.41	0.41	0.41	0.41	0.41
150.0	1.51	1.02	0.78	0.63	0.54	0.48	0.43	0.40	0.38	0.37	0.36	0.36	0.36	0.36	0.36
156.0	1.40	0.94	0.72	0.58	0.50	0.44	0.40	0.37	0.34	0.33	0.32	0.32	0.32	0.32	0.32
162.0	1.29	0.87	0.66	0.54	0.46	0.40	0.36	0.33	0.31	0.30	0.29	0.29	0.29	0.29	0.29
168.0	1.20	0.81	0.61	0.50	0.42	0.37	0.33	0.31	0.29	0.27	0.26	0.26	0.26	0.26	0.26
174.0	1.12	0.75	0.57	0.46	0.39	0.34	0.31	0.28	0.26	0.25	0.24	0.23	0.23	0.23	0.23
180.0	1.05	0.70	0.53	0.43	0.37	0.32	0.29	0.26	0.24	0.23	0.22	0.21	0.21	0.21	0.21
186.0	0.98	0.66	0.50	0.40	0.34	0.30	0.27	0.24	0.23	0.21	0.20	0.20	0.19	0.19	0.19
192.0	0.92	0.62	0.47	0.38	0.32	0.28	0.25	0.23	0.21	0.20	0.19	0.18	0.18	0.17	0.17



ZERO MULLION PROFILE



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

NOTE:

1) MULLION CHART APPLIES TO ZERO MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY CONFIGURATIONS.
2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.
5) MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10
6) TRIBUTARY WIDTH = W = (A+B)/2
7) 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.

Andersen AW WINDOWS • DOORS
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TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)* ZERO MULLION LOADS TABLE ONE WAY

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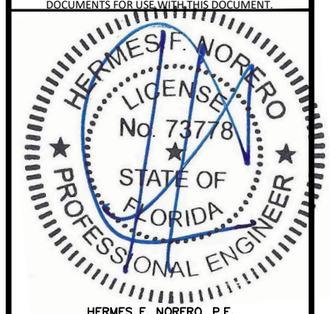
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19



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

FL #: FL24227

DATE: 10.08.17

DWG. BY: RV | CHK. BY: HFN

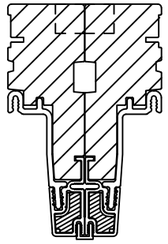
SCALE: NTS

DWG. #: AWD199

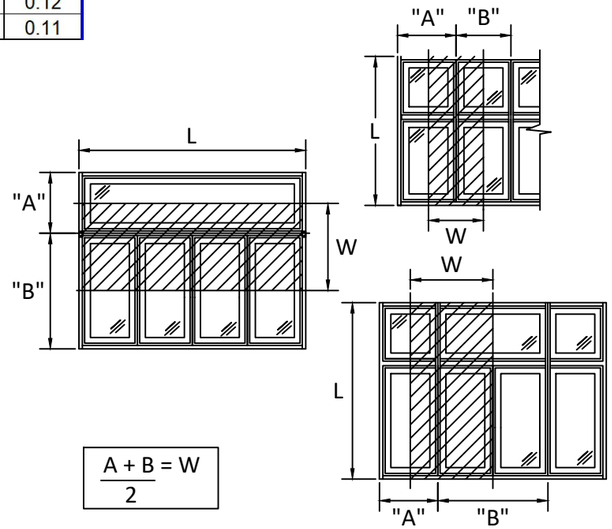
SHEET: 11 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
ZERO STRUCTURAL MULLION (TWO-WAY) CONFIGURATION

L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	58.52	39.02	29.26	23.41	19.51	16.72	14.63	13.01	11.70	10.64	9.75	9.00	8.36	7.80	7.32
30.0	37.46	24.97	18.73	14.98	12.49	10.70	9.36	8.32	7.49	6.81	6.24	5.76	5.35	4.99	4.68
36.0	26.01	17.34	13.01	10.40	8.67	7.43	6.50	5.78	5.20	4.73	4.34	4.00	3.72	3.47	3.25
42.0	19.11	12.74	9.56	7.64	6.37	5.46	4.78	4.25	3.82	3.47	3.19	2.94	2.73	2.55	2.39
48.0	14.63	9.75	7.32	5.85	4.88	4.18	3.66	3.25	2.93	2.66	2.44	2.25	2.09	1.95	1.83
54.0	11.56	7.71	5.78	4.62	3.85	3.30	2.89	2.57	2.31	2.10	1.93	1.78	1.65	1.54	1.45
60.0	9.36	6.24	4.68	3.75	3.12	2.68	2.34	2.08	1.87	1.70	1.56	1.44	1.34	1.25	1.17
66.0	7.74	5.16	3.87	3.10	2.58	2.21	1.93	1.72	1.55	1.41	1.29	1.19	1.11	1.03	0.97
72.0	6.50	4.34	3.25	2.60	2.17	1.86	1.63	1.45	1.30	1.18	1.08	1.00	0.93	0.87	0.81
78.0	5.54	3.69	2.77	2.22	1.85	1.58	1.39	1.23	1.11	1.01	0.92	0.85	0.79	0.74	0.69
84.0	4.78	3.19	2.39	1.91	1.59	1.37	1.19	1.06	0.96	0.87	0.80	0.74	0.68	0.64	0.60
90.0	4.16	2.77	2.08	1.66	1.39	1.19	1.04	0.92	0.83	0.76	0.69	0.64	0.59	0.55	0.52
96.0	3.66	2.44	1.83	1.46	1.22	1.05	0.91	0.81	0.73	0.67	0.61	0.56	0.52	0.49	0.46
102.0	3.24	2.16	1.62	1.30	1.08	0.93	0.81	0.72	0.65	0.59	0.54	0.50	0.46	0.43	0.41
108.0	2.89	1.93	1.45	1.16	0.96	0.83	0.72	0.64	0.58	0.53	0.48	0.44	0.41	0.39	0.36
114.0	2.59	1.73	1.30	1.04	0.86	0.74	0.65	0.58	0.52	0.47	0.43	0.40	0.37	0.35	0.32
120.0	2.34	1.56	1.17	0.94	0.78	0.67	0.59	0.52	0.47	0.43	0.39	0.36	0.33	0.31	0.29
126.0	2.12	1.42	1.06	0.85	0.71	0.61	0.53	0.47	0.42	0.39	0.35	0.33	0.30	0.28	0.27
132.0	1.93	1.29	0.97	0.77	0.64	0.55	0.48	0.43	0.39	0.35	0.32	0.30	0.28	0.26	0.24
138.0	1.77	1.18	0.89	0.71	0.59	0.51	0.44	0.39	0.35	0.32	0.30	0.27	0.25	0.24	0.22
144.0	1.63	1.08	0.81	0.65	0.54	0.46	0.41	0.36	0.33	0.30	0.27	0.25	0.23	0.22	0.20
150.0	1.50	1.00	0.75	0.60	0.50	0.43	0.37	0.33	0.30	0.27	0.25	0.23	0.21	0.20	0.19
156.0	1.39	0.92	0.69	0.55	0.46	0.40	0.35	0.31	0.28	0.25	0.23	0.21	0.20	0.18	0.17
162.0	1.28	0.86	0.64	0.51	0.43	0.37	0.32	0.29	0.26	0.23	0.21	0.20	0.18	0.17	0.16
168.0	1.19	0.80	0.60	0.48	0.40	0.34	0.30	0.27	0.24	0.22	0.20	0.18	0.17	0.16	0.15
174.0	1.11	0.74	0.56	0.45	0.37	0.32	0.28	0.25	0.22	0.20	0.19	0.17	0.16	0.15	0.14
180.0	1.04	0.69	0.52	0.42	0.35	0.30	0.26	0.23	0.21	0.19	0.17	0.16	0.15	0.14	0.13
186.0	0.97	0.65	0.49	0.39	0.32	0.28	0.24	0.22	0.19	0.18	0.16	0.15	0.14	0.13	0.12
192.0	0.91	0.61	0.46	0.37	0.30	0.26	0.23	0.20	0.18	0.17	0.15	0.14	0.13	0.12	0.11



ZERO MULLION PROFILE



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

NOTE:

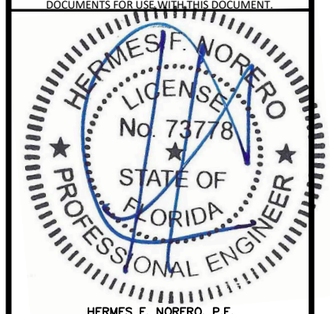
1) MULLION CHART APPLIES TO ZERO MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY CONFIGURATIONS.
2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.
5) MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10
6) TRIBUTARY WIDTH = W = (A+B)/2
8) WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)* ZERO MULLION LOADS TABLE TWO WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19



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

FL #: FL24227

DATE: 10.08.17

DWG. BY: RV | CHK. BY: HFN

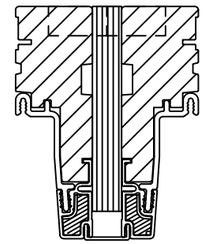
SCALE: NTS

DWG. #: AWD199

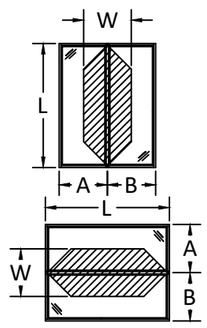
SHEET: 12 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
1/2" X 3-1/2" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION

L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
30.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
36.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
42.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
48.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60.0	65.00	64.52	54.15	51.13	51.13	51.13	51.13	51.13	51.13	51.13	51.13	51.13	51.13	51.13	51.13
66.0	65.00	52.09	42.73	38.89	38.41	38.41	38.41	38.41	38.41	38.41	38.41	38.41	38.41	38.41	38.41
72.0	61.46	43.02	34.71	30.80	29.59	29.59	29.59	29.59	29.59	29.59	29.59	29.59	29.59	29.59	29.59
78.0	48.37	33.86	27.23	23.95	22.56	22.38	22.38	22.38	22.38	22.38	22.38	22.38	22.38	22.38	22.38
84.0	38.52	26.79	21.32	18.48	17.08	16.64	16.64	16.64	16.64	16.64	16.64	16.64	16.64	16.64	16.64
90.0	31.18	21.57	17.03	14.59	13.28	12.70	12.62	12.62	12.62	12.62	12.62	12.62	12.62	12.62	12.62
96.0	25.60	17.63	13.83	11.74	10.56	9.95	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75
102.0	21.28	14.60	11.40	9.61	8.55	7.96	7.69	7.65	7.65	7.65	7.65	7.65	7.65	7.65	7.65
108.0	17.88	12.23	9.51	7.97	7.04	6.48	6.19	6.09	6.09	6.09	6.09	6.09	6.09	6.09	6.09
114.0	15.17	10.35	8.02	6.68	5.87	5.36	5.06	4.92	4.90	4.90	4.90	4.90	4.90	4.90	4.90
120.0	12.98	8.84	6.82	5.67	4.95	4.49	4.20	4.05	3.99	3.99	3.99	3.99	3.99	3.99	3.99
126.0	11.20	7.61	5.86	4.85	4.21	3.80	3.53	3.37	3.30	3.29	3.29	3.29	3.29	3.29	3.29
132.0	9.72	6.60	5.07	4.18	3.62	3.25	3.00	2.85	2.76	2.73	2.73	2.73	2.73	2.73	2.73
138.0	8.50	5.76	4.42	3.63	3.13	2.80	2.57	2.43	2.33	2.29	2.28	2.28	2.28	2.28	2.28
144.0	7.47	5.06	3.87	3.18	2.73	2.43	2.23	2.09	2.00	1.94	1.93	1.93	1.93	1.93	1.93
150.0	6.61	4.46	3.41	2.80	2.40	2.13	1.94	1.81	1.72	1.67	1.64	1.64	1.64	1.64	1.64
156.0	5.87	3.96	3.02	2.47	2.12	1.87	1.70	1.58	1.50	1.44	1.41	1.40	1.40	1.40	1.40
162.0	5.24	3.53	2.69	2.20	1.88	1.66	1.50	1.39	1.31	1.26	1.22	1.21	1.20	1.20	1.20
168.0	4.69	3.16	2.41	1.96	1.67	1.47	1.33	1.23	1.15	1.10	1.07	1.05	1.04	1.04	1.04
174.0	4.22	2.84	2.16	1.76	1.50	1.32	1.19	1.09	1.02	0.97	0.94	0.92	0.91	0.90	0.90
180.0	3.81	2.56	1.95	1.59	1.35	1.18	1.06	0.98	0.91	0.86	0.83	0.81	0.79	0.79	0.79
186.0	3.45	2.32	1.76	1.43	1.22	1.07	0.96	0.88	0.82	0.77	0.74	0.72	0.70	0.69	0.69
192.0	3.14	2.11	1.60	1.30	1.10	0.96	0.86	0.79	0.73	0.69	0.66	0.64	0.62	0.61	0.61



1/2" X 3 1/2"
LVL MULL PROFILE



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

NOTE:

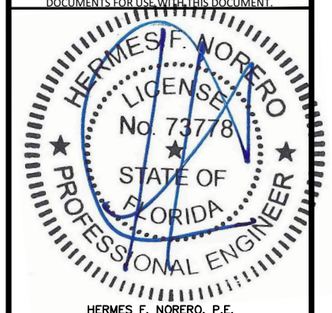
1) **MULLION CHART APPLIES TO 1/2" X 3 1/2" LVL MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **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.**

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
1/2"X 3-1/2" MULLION LOADS TABLE
ONE WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

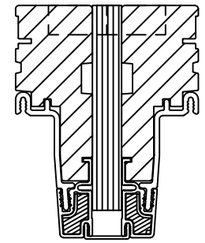


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227
DATE: 10.08.17
DWG. BY: RV | CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 13 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
1/2" X 3-1/2" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION

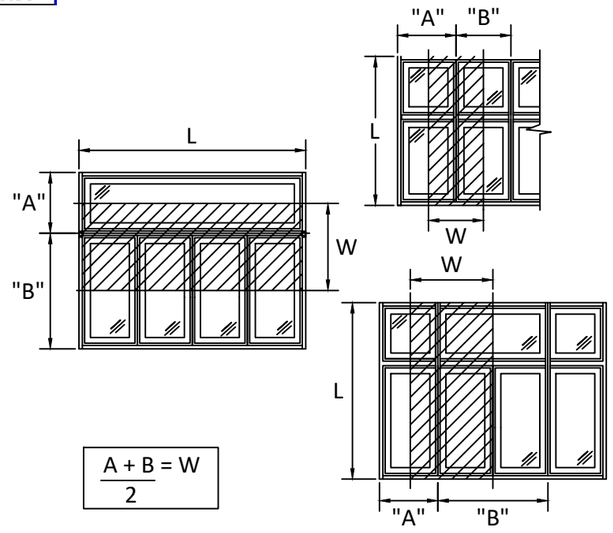
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	58.50	52.00	46.80	42.55	39.00	36.00	33.43	31.20	29.25
30.0	65.00	65.00	65.00	65.00	62.40	53.49	46.80	41.60	37.44	34.04	31.20	28.80	26.74	24.96	23.40
36.0	65.00	65.00	65.00	62.40	52.00	44.57	39.00	34.67	31.20	28.36	26.00	24.00	22.29	20.80	19.50
42.0	65.00	65.00	65.00	53.49	44.57	38.20	33.43	29.71	26.74	24.31	22.29	20.57	19.10	17.83	16.71
48.0	65.00	65.00	58.50	46.80	39.00	33.43	29.25	26.00	23.40	21.27	19.50	18.00	16.71	15.60	14.63
54.0	65.00	65.00	52.00	41.60	34.67	29.71	26.00	23.11	20.80	18.91	17.33	16.00	14.86	13.87	13.00
60.0	65.00	56.81	42.61	34.09	28.41	24.35	21.30	18.94	17.04	15.49	14.20	13.11	12.17	11.36	10.65
66.0	65.00	46.95	35.21	28.17	23.48	20.12	17.61	15.65	14.09	12.80	11.74	10.83	10.06	9.39	8.80
72.0	59.18	39.45	29.59	23.67	19.73	16.91	14.79	13.15	11.84	10.76	9.86	9.10	8.45	7.89	7.40
78.0	46.55	31.03	23.27	18.62	15.52	13.30	11.64	10.34	9.31	8.46	7.76	7.16	6.65	6.21	5.82
84.0	37.27	24.84	18.63	14.91	12.42	10.65	9.32	8.28	7.45	6.78	6.21	5.73	5.32	4.97	4.66
90.0	30.30	20.20	15.15	12.12	10.10	8.66	7.57	6.73	6.06	5.51	5.05	4.66	4.33	4.04	3.79
96.0	24.97	16.64	12.48	9.99	8.32	7.13	6.24	5.55	4.99	4.54	4.16	3.84	3.57	3.33	3.12
102.0	20.81	13.88	10.41	8.33	6.94	5.95	5.20	4.63	4.16	3.78	3.47	3.20	2.97	2.78	2.60
108.0	17.53	11.69	8.77	7.01	5.84	5.01	4.38	3.90	3.51	3.19	2.92	2.70	2.50	2.34	2.19
114.0	14.91	9.94	7.45	5.96	4.97	4.26	3.73	3.31	2.98	2.71	2.48	2.29	2.13	1.99	1.86
120.0	12.78	8.52	6.39	5.11	4.26	3.65	3.20	2.84	2.56	2.32	2.13	1.97	1.83	1.70	1.60
126.0	11.04	7.36	5.52	4.42	3.68	3.15	2.76	2.45	2.21	2.01	1.84	1.70	1.58	1.47	1.38
132.0	9.60	6.40	4.80	3.84	3.20	2.74	2.40	2.13	1.92	1.75	1.60	1.48	1.37	1.28	1.20
138.0	8.40	5.60	4.20	3.36	2.80	2.40	2.10	1.87	1.68	1.53	1.40	1.29	1.20	1.12	1.05
144.0	7.40	4.93	3.70	2.96	2.47	2.11	1.85	1.64	1.48	1.34	1.23	1.14	1.06	0.99	0.92
150.0	6.54	4.36	3.27	2.62	2.18	1.87	1.64	1.45	1.31	1.19	1.09	1.01	0.93	0.87	0.82
156.0	5.82	3.88	2.91	2.33	1.94	1.66	1.45	1.29	1.16	1.06	0.97	0.90	0.83	0.78	0.73
162.0	5.20	3.46	2.60	2.08	1.73	1.48	1.30	1.15	1.04	0.94	0.87	0.80	0.74	0.69	0.65
168.0	4.66	3.11	2.33	1.86	1.55	1.33	1.16	1.04	0.93	0.85	0.78	0.72	0.67	0.62	0.58
174.0	4.19	2.80	2.10	1.68	1.40	1.20	1.05	0.93	0.84	0.76	0.70	0.65	0.60	0.56	0.52
180.0	3.79	2.52	1.89	1.51	1.26	1.08	0.95	0.84	0.76	0.69	0.63	0.58	0.54	0.50	0.47
186.0	3.43	2.29	1.72	1.37	1.14	0.98	0.86	0.76	0.69	0.62	0.57	0.53	0.49	0.46	0.43
192.0	3.12	2.08	1.56	1.25	1.04	0.89	0.78	0.69	0.62	0.57	0.52	0.48	0.45	0.42	0.39



1/2" X 3 1/2"
LVL MULL PROFILE

NOTE:

1) **MULLION CHART APPLIES TO 1/2" X 3 1/2" LVL MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **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.**

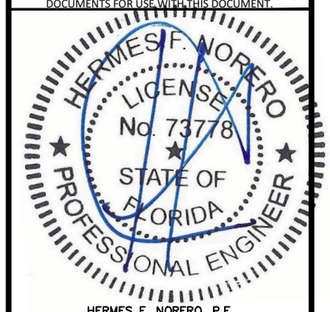


Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
1/2"X 3-1/2" MULLION LOADS TABLE
TWO WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

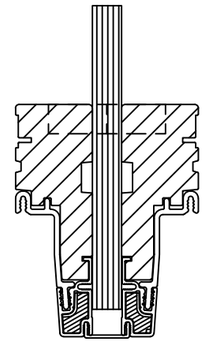


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227
DATE: 10.08.17
DWG. BY: RV | CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 14 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
1/2" X 5-3/16" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION

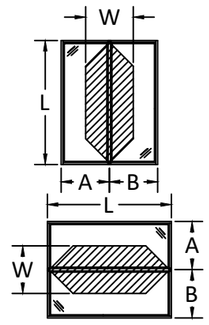
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
30.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
36.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
42.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
48.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66.0	65.00	65.00	65.00	62.40	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88
72.0	65.00	65.00	58.50	53.49	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00
78.0	65.00	62.40	50.78	44.65	42.07	41.73	41.73	41.73	41.73	41.73	41.73	41.73	41.73	41.73	41.73
84.0	65.00	49.95	39.76	34.46	31.85	31.02	31.02	31.02	31.02	31.02	31.02	31.02	31.02	31.02	31.02
90.0	58.14	40.22	31.76	27.21	24.77	23.69	23.54	23.54	23.54	23.54	23.54	23.54	23.54	23.54	23.54
96.0	47.74	32.87	25.80	21.90	19.69	18.56	18.19	18.19	18.19	18.19	18.19	18.19	18.19	18.19	18.19
102.0	39.68	27.23	21.25	17.91	15.95	14.85	14.34	14.27	14.27	14.27	14.27	14.27	14.27	14.27	14.27
108.0	33.34	22.81	17.73	14.85	13.12	12.09	11.54	11.35	11.35	11.35	11.35	11.35	11.35	11.35	11.35
114.0	28.29	19.30	14.95	12.46	10.94	9.99	9.44	9.18	9.15	9.15	9.15	9.15	9.15	9.15	9.15
120.0	24.21	16.48	12.73	10.57	9.22	8.37	7.84	7.55	7.45	7.45	7.45	7.45	7.45	7.45	7.45
126.0	20.88	14.19	10.93	9.04	7.85	7.08	6.59	6.29	6.15	6.13	6.13	6.13	6.13	6.13	6.13
132.0	18.13	12.30	9.45	7.80	6.75	6.06	5.60	5.31	5.14	5.09	5.09	5.09	5.09	5.09	5.09
138.0	15.85	10.74	8.23	6.77	5.84	5.22	4.80	4.52	4.35	4.27	4.26	4.26	4.26	4.26	4.26
144.0	13.94	9.43	7.22	5.92	5.10	4.54	4.15	3.89	3.72	3.63	3.59	3.59	3.59	3.59	3.59
150.0	12.32	8.33	6.36	5.21	4.47	3.97	3.62	3.37	3.21	3.11	3.06	3.05	3.05	3.05	3.05
156.0	10.94	7.39	5.64	4.61	3.95	3.49	3.17	2.95	2.79	2.69	2.63	2.61	2.61	2.61	2.61
162.0	9.76	6.59	5.02	4.10	3.50	3.09	2.80	2.59	2.44	2.34	2.28	2.25	2.24	2.24	2.24
168.0	8.75	5.90	4.49	3.66	3.12	2.75	2.49	2.29	2.15	2.06	1.99	1.95	1.94	1.94	1.94
174.0	7.87	5.30	4.03	3.28	2.80	2.46	2.22	2.04	1.91	1.81	1.75	1.71	1.69	1.69	1.69
180.0	7.11	4.78	3.63	2.96	2.51	2.21	1.98	1.82	1.70	1.61	1.55	1.51	1.48	1.47	1.47
186.0	6.44	4.33	3.29	2.67	2.27	1.99	1.79	1.64	1.52	1.44	1.38	1.33	1.31	1.29	1.29
192.0	5.85	3.93	2.98	2.42	2.05	1.80	1.61	1.47	1.37	1.29	1.23	1.19	1.16	1.14	1.14



1/2" X 5 3/16"
LVL MULL PROFILE

NOTE:

1) **MULLION CHART APPLIES TO 1/2" X 5 3/16" LVL MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



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

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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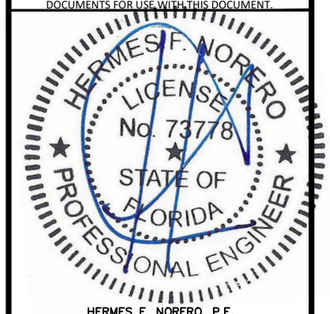
TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
1/2" X 5-3/16" MULLION LOADS TABLE
ONE WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

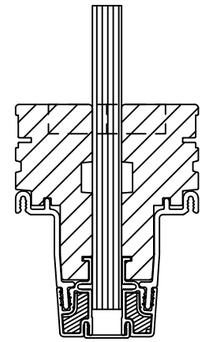


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227
DATE: 10.08.17
DWG. BY: RV | CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 15 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
1/2" X 5-3/16" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION

L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	58.50	52.00	46.80	42.55	39.00	36.00	33.43	31.20	29.25
30.0	65.00	65.00	65.00	65.00	62.40	53.49	46.80	41.60	37.44	34.04	31.20	28.80	26.74	24.96	23.40
36.0	65.00	65.00	65.00	62.40	52.00	44.57	39.00	34.67	31.20	28.36	26.00	24.00	22.29	20.80	19.50
42.0	65.00	65.00	65.00	53.49	44.57	38.20	33.43	29.71	26.74	24.31	22.29	20.57	19.10	17.83	16.71
48.0	65.00	65.00	58.50	46.80	39.00	33.43	29.25	26.00	23.40	21.27	19.50	18.00	16.71	15.60	14.63
54.0	65.00	65.00	52.00	41.60	34.67	29.71	26.00	23.11	20.80	18.91	17.33	16.00	14.86	13.87	13.00
60.0	65.00	62.40	46.80	37.44	31.20	26.74	23.40	20.80	18.72	17.02	15.60	14.40	13.37	12.48	11.70
66.0	65.00	56.73	42.55	34.04	28.36	24.31	21.27	18.91	17.02	15.47	14.18	13.09	12.16	11.35	10.64
72.0	65.00	52.00	39.00	31.20	26.00	22.29	19.50	17.33	15.60	14.18	13.00	12.00	11.14	10.40	9.75
78.0	65.00	48.00	36.00	28.80	24.00	20.57	18.00	16.00	14.40	13.09	12.00	11.08	10.29	9.60	9.00
84.0	65.00	44.57	33.43	26.74	22.29	19.10	16.71	14.86	13.37	12.16	11.14	10.29	9.55	8.91	8.36
90.0	56.50	37.67	28.25	22.60	18.83	16.14	14.13	12.56	11.30	10.27	9.42	8.69	8.07	7.53	7.06
96.0	46.56	31.04	23.28	18.62	15.52	13.30	11.64	10.35	9.31	8.46	7.76	7.16	6.65	6.21	5.82
102.0	38.81	25.88	19.41	15.53	12.94	11.09	9.70	8.63	7.76	7.06	6.47	5.97	5.54	5.18	4.85
108.0	32.70	21.80	16.35	13.08	10.90	9.34	8.17	7.27	6.54	5.94	5.45	5.03	4.67	4.36	4.09
114.0	27.80	18.53	13.90	11.12	9.27	7.94	6.95	6.18	5.56	5.05	4.63	4.28	3.97	3.71	3.48
120.0	23.84	15.89	11.92	9.53	7.95	6.81	5.96	5.30	4.77	4.33	3.97	3.67	3.41	3.18	2.98
126.0	20.59	13.73	10.30	8.24	6.86	5.88	5.15	4.58	4.12	3.74	3.43	3.17	2.94	2.75	2.57
132.0	17.91	11.94	8.95	7.16	5.97	5.12	4.48	3.98	3.58	3.26	2.98	2.76	2.56	2.39	2.24
138.0	15.67	10.45	7.84	6.27	5.22	4.48	3.92	3.48	3.13	2.85	2.61	2.41	2.24	2.09	1.96
144.0	13.79	9.20	6.90	5.52	4.60	3.94	3.45	3.07	2.76	2.51	2.30	2.12	1.97	1.84	1.72
150.0	12.20	8.14	6.10	4.88	4.07	3.49	3.05	2.71	2.44	2.22	2.03	1.88	1.74	1.63	1.53
156.0	10.85	7.23	5.42	4.34	3.62	3.10	2.71	2.41	2.17	1.97	1.81	1.67	1.55	1.45	1.36
162.0	9.69	6.46	4.84	3.88	3.23	2.77	2.42	2.15	1.94	1.76	1.61	1.49	1.38	1.29	1.21
168.0	8.69	5.79	4.34	3.47	2.90	2.48	2.17	1.93	1.74	1.58	1.45	1.34	1.24	1.16	1.09
174.0	7.82	5.21	3.91	3.13	2.61	2.23	1.95	1.74	1.56	1.42	1.30	1.20	1.12	1.04	0.98
180.0	7.06	4.71	3.53	2.83	2.35	2.02	1.77	1.57	1.41	1.28	1.18	1.09	1.01	0.94	0.88
186.0	6.40	4.27	3.20	2.56	2.13	1.83	1.60	1.42	1.28	1.16	1.07	0.98	0.91	0.85	0.80
192.0	5.82	3.88	2.91	2.33	1.94	1.66	1.45	1.29	1.16	1.06	0.97	0.90	0.83	0.78	0.73



1/2" X 5 3/16"
LVL MULL PROFILE

NOTE:

1) **MULLION CHART APPLIES TO 1/2" X 5 3/16" LVL MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
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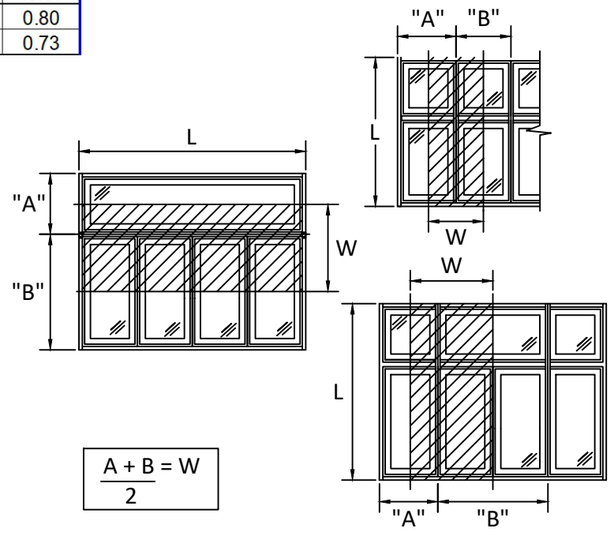

$$\frac{A + B = W}{2}$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
1/2" X 5-3/16" MULLION LOADS TABLE
TWO WAY

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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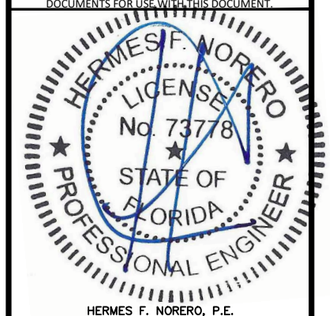
REMARKS	BY	DATE
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

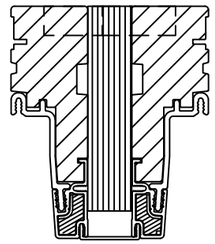


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227
DATE: 10.08.17
DWG. BY: RV | CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 16 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
3/4" X 3-1/2" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION

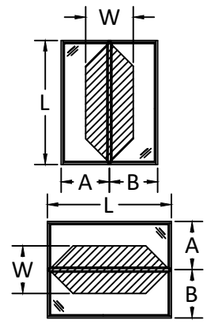
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
30.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
36.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
42.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
48.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60.0	65.00	65.00	64.53	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93
66.0	65.00	62.08	50.92	46.34	45.78	45.78	45.78	45.78	45.78	45.78	45.78	45.78	45.78	45.78	45.78
72.0	65.00	51.27	41.37	36.70	35.26	35.26	35.26	35.26	35.26	35.26	35.26	35.26	35.26	35.26	35.26
78.0	57.64	40.35	32.45	28.54	26.88	26.67	26.67	26.67	26.67	26.67	26.67	26.67	26.67	26.67	26.67
84.0	45.90	31.92	25.41	22.02	20.35	19.83	19.83	19.83	19.83	19.83	19.83	19.83	19.83	19.83	19.83
90.0	37.16	25.70	20.30	17.39	15.83	15.14	15.04	15.04	15.04	15.04	15.04	15.04	15.04	15.04	15.04
96.0	30.51	21.01	16.48	14.00	12.59	11.86	11.62	11.62	11.62	11.62	11.62	11.62	11.62	11.62	11.62
102.0	25.36	17.40	13.58	11.45	10.19	9.49	9.17	9.12	9.12	9.12	9.12	9.12	9.12	9.12	9.12
108.0	21.31	14.58	11.33	9.49	8.39	7.73	7.37	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.26
114.0	18.08	12.34	9.55	7.96	6.99	6.39	6.03	5.87	5.84	5.84	5.84	5.84	5.84	5.84	5.84
120.0	15.47	10.53	8.13	6.75	5.89	5.35	5.01	4.82	4.76	4.76	4.76	4.76	4.76	4.76	4.76
126.0	13.34	9.07	6.98	5.78	5.02	4.53	4.21	4.02	3.93	3.92	3.92	3.92	3.92	3.92	3.92
132.0	11.59	7.86	6.04	4.98	4.31	3.87	3.58	3.39	3.29	3.25	3.25	3.25	3.25	3.25	3.25
138.0	10.13	6.86	5.26	4.33	3.73	3.34	3.07	2.89	2.78	2.73	2.72	2.72	2.72	2.72	2.72
144.0	8.91	6.03	4.61	3.79	3.26	2.90	2.65	2.49	2.38	2.32	2.30	2.30	2.30	2.30	2.30
150.0	7.87	5.32	4.07	3.33	2.86	2.54	2.31	2.16	2.05	1.99	1.95	1.95	1.95	1.95	1.95
156.0	6.99	4.72	3.60	2.95	2.52	2.23	2.03	1.88	1.78	1.72	1.68	1.67	1.67	1.67	1.67
162.0	6.24	4.21	3.21	2.62	2.24	1.98	1.79	1.66	1.56	1.50	1.46	1.44	1.43	1.43	1.43
168.0	5.59	3.77	2.87	2.34	2.00	1.76	1.59	1.47	1.38	1.31	1.27	1.25	1.24	1.24	1.24
174.0	5.03	3.39	2.58	2.10	1.79	1.57	1.42	1.30	1.22	1.16	1.12	1.09	1.08	1.08	1.08
180.0	4.54	3.06	2.32	1.89	1.61	1.41	1.27	1.16	1.09	1.03	0.99	0.96	0.95	0.94	0.94
186.0	4.11	2.77	2.10	1.71	1.45	1.27	1.14	1.04	0.97	0.92	0.88	0.85	0.84	0.83	0.82
192.0	3.74	2.51	1.91	1.55	1.31	1.15	1.03	0.94	0.87	0.82	0.79	0.76	0.74	0.73	0.73



3/4" X 3 1/2"
LVL MULL PROFILE

NOTE:

1) **MULLION CHART APPLIES TO 3/4" X 3 1/2" LVL MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



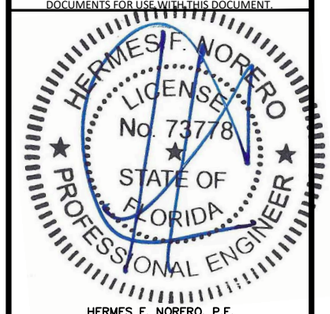
$$\frac{A + B}{2} = W$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
3/4" X 3-1/2" MULLION LOADS TABLE
ONE WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19



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

FL #: FL24227

DATE: 10.08.17

DWG. BY: RV | CHK. BY: HFN

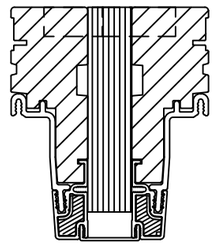
SCALE: NTS

DWG. #: AWD199

SHEET: 17 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
3/4" X 3-1/2" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION

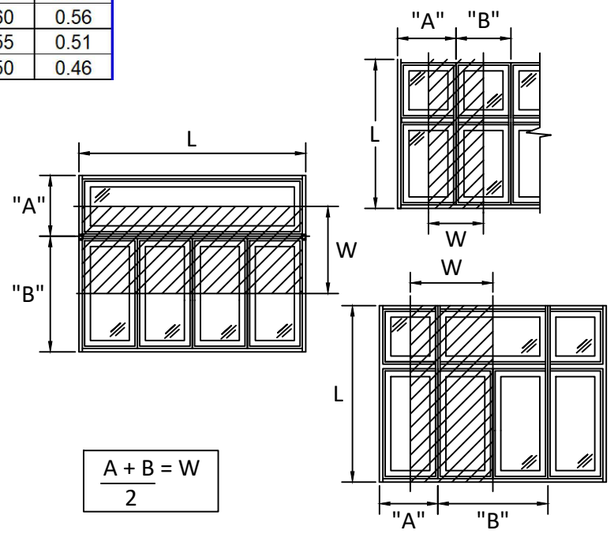
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	58.50	52.00	46.80	42.55	39.00	36.00	33.43	31.20	29.25
30.0	65.00	65.00	65.00	65.00	62.40	53.49	46.80	41.60	37.44	34.04	31.20	28.80	26.74	24.96	23.40
36.0	65.00	65.00	65.00	62.40	52.00	44.57	39.00	34.67	31.20	28.36	26.00	24.00	22.29	20.80	19.50
42.0	65.00	65.00	65.00	53.49	44.57	38.20	33.43	29.71	26.74	24.31	22.29	20.57	19.10	17.83	16.71
48.0	65.00	65.00	58.50	46.80	39.00	33.43	29.25	26.00	23.40	21.27	19.50	18.00	16.71	15.60	14.63
54.0	65.00	65.00	52.00	41.60	34.67	29.71	26.00	23.11	20.80	18.91	17.33	16.00	14.86	13.87	13.00
60.0	65.00	62.40	46.80	37.44	31.20	26.74	23.40	20.80	18.72	17.02	15.60	14.40	13.37	12.48	11.70
66.0	65.00	55.94	41.96	33.57	27.97	23.98	20.98	18.65	16.78	15.26	13.99	12.91	11.99	11.19	10.49
72.0	65.00	47.01	35.26	28.20	23.50	20.15	17.63	15.67	14.10	12.82	11.75	10.85	10.07	9.40	8.81
78.0	55.47	36.98	27.73	22.19	18.49	15.85	13.87	12.33	11.09	10.08	9.24	8.53	7.92	7.40	6.93
84.0	44.41	29.61	22.20	17.76	14.80	12.69	11.10	9.87	8.88	8.07	7.40	6.83	6.34	5.92	5.55
90.0	36.11	24.07	18.05	14.44	12.04	10.32	9.03	8.02	7.22	6.56	6.02	5.55	5.16	4.81	4.51
96.0	29.75	19.83	14.88	11.90	9.92	8.50	7.44	6.61	5.95	5.41	4.96	4.58	4.25	3.97	3.72
102.0	24.80	16.54	12.40	9.92	8.27	7.09	6.20	5.51	4.96	4.51	4.13	3.82	3.54	3.31	3.10
108.0	20.89	13.93	10.45	8.36	6.96	5.97	5.22	4.64	4.18	3.80	3.48	3.21	2.98	2.79	2.61
114.0	17.77	11.84	8.88	7.11	5.92	5.08	4.44	3.95	3.55	3.23	2.96	2.73	2.54	2.37	2.22
120.0	15.23	10.15	7.62	6.09	5.08	4.35	3.81	3.38	3.05	2.77	2.54	2.34	2.18	2.03	1.90
126.0	13.16	8.77	6.58	5.26	4.39	3.76	3.29	2.92	2.63	2.39	2.19	2.02	1.88	1.75	1.64
132.0	11.44	7.63	5.72	4.58	3.81	3.27	2.86	2.54	2.29	2.08	1.91	1.76	1.63	1.53	1.43
138.0	10.02	6.68	5.01	4.01	3.34	2.86	2.50	2.23	2.00	1.82	1.67	1.54	1.43	1.34	1.25
144.0	8.82	5.88	4.41	3.53	2.94	2.52	2.20	1.96	1.76	1.60	1.47	1.36	1.26	1.18	1.10
150.0	7.80	5.20	3.90	3.12	2.60	2.23	1.95	1.73	1.56	1.42	1.30	1.20	1.11	1.04	0.97
156.0	6.93	4.62	3.47	2.77	2.31	1.98	1.73	1.54	1.39	1.26	1.16	1.07	0.99	0.92	0.87
162.0	6.19	4.13	3.10	2.48	2.06	1.77	1.55	1.38	1.24	1.13	1.03	0.95	0.88	0.83	0.77
168.0	5.55	3.70	2.78	2.22	1.85	1.59	1.39	1.23	1.11	1.01	0.93	0.85	0.79	0.74	0.69
174.0	5.00	3.33	2.50	2.00	1.67	1.43	1.25	1.11	1.00	0.91	0.83	0.77	0.71	0.67	0.62
180.0	4.51	3.01	2.26	1.81	1.50	1.29	1.13	1.00	0.90	0.82	0.75	0.69	0.64	0.60	0.56
186.0	4.09	2.73	2.05	1.64	1.36	1.17	1.02	0.91	0.82	0.74	0.68	0.63	0.58	0.55	0.51
192.0	3.72	2.48	1.86	1.49	1.24	1.06	0.93	0.83	0.74	0.68	0.62	0.57	0.53	0.50	0.46



3/4" X 3 1/2"
LVL MULL PROFILE

NOTE:

1) **MULLION CHART APPLIES TO 3/4"X 3 1/2" LVL MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



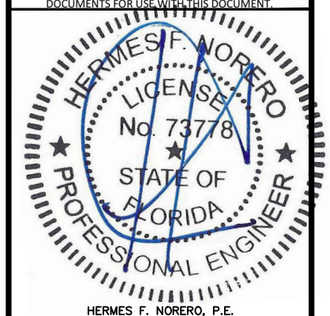
$$\frac{A + B = W}{2}$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
3/4" X 3-1/2" MULLION LOADS TABLE
TWO WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

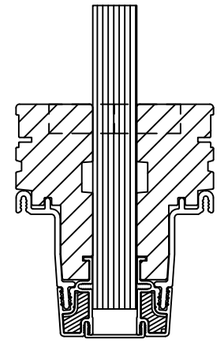


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

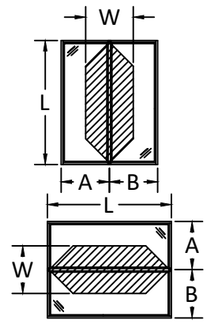
FL #: FL24227
DATE: 10.08.17
DWG. BY: RV | CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 18 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
3/4" X 5-3/16" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION

L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
30.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
36.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
42.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
48.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66.0	65.00	65.00	65.00	62.40	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88
72.0	65.00	65.00	58.50	53.49	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00
78.0	65.00	62.40	52.00	46.80	44.57	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31
84.0	65.00	56.73	46.80	41.60	39.00	38.20	38.20	38.20	38.20	38.20	38.20	38.20	38.20	38.20	38.20
90.0	65.00	52.00	42.39	36.32	33.06	31.62	31.42	31.42	31.42	31.42	31.42	31.42	31.42	31.42	31.42
96.0	63.71	43.88	34.43	29.23	26.29	24.77	24.27	24.27	24.27	24.27	24.27	24.27	24.27	24.27	24.27
102.0	52.96	36.34	28.36	23.91	21.29	19.81	19.14	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04
108.0	44.50	30.44	23.66	19.82	17.51	16.13	15.40	15.15	15.15	15.15	15.15	15.15	15.15	15.15	15.15
114.0	37.75	25.76	19.95	16.63	14.60	13.34	12.60	12.26	12.21	12.21	12.21	12.21	12.21	12.21	12.21
120.0	32.31	22.00	16.98	14.10	12.31	11.17	10.46	10.07	9.94	9.94	9.94	9.94	9.94	9.94	9.94
126.0	27.87	18.94	14.58	12.06	10.48	9.45	8.79	8.40	8.21	8.18	8.18	8.18	8.18	8.18	8.18
132.0	24.20	16.42	12.61	10.41	9.01	8.08	7.47	7.08	6.87	6.79	6.79	6.79	6.79	6.79	6.79
138.0	21.16	14.33	10.99	9.04	7.80	6.97	6.41	6.04	5.81	5.70	5.68	5.68	5.68	5.68	5.68
144.0	18.60	12.58	9.63	7.91	6.80	6.05	5.54	5.19	4.97	4.84	4.79	4.79	4.79	4.79	4.79
150.0	16.44	11.11	8.49	6.96	5.97	5.30	4.83	4.50	4.28	4.15	4.08	4.07	4.07	4.07	4.07
156.0	14.60	9.86	7.52	6.15	5.27	4.66	4.24	3.93	3.72	3.59	3.51	3.48	3.48	3.48	3.48
162.0	13.03	8.79	6.70	5.47	4.67	4.13	3.74	3.46	3.26	3.13	3.04	3.00	2.99	2.99	2.99
168.0	11.68	7.87	5.99	4.89	4.17	3.67	3.32	3.06	2.87	2.74	2.66	2.61	2.59	2.59	2.59
174.0	10.50	7.07	5.38	4.38	3.73	3.28	2.96	2.72	2.55	2.42	2.34	2.28	2.25	2.25	2.25
180.0	9.48	6.38	4.85	3.95	3.35	2.94	2.65	2.43	2.27	2.15	2.07	2.01	1.98	1.96	1.96
186.0	8.59	5.78	4.39	3.57	3.03	2.65	2.38	2.18	2.03	1.92	1.84	1.78	1.74	1.73	1.72
192.0	7.81	5.25	3.98	3.23	2.74	2.40	2.15	1.97	1.83	1.72	1.64	1.59	1.55	1.53	1.52



3/4" X 5 3/16"
LVL MULL PROFILE



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

NOTE:

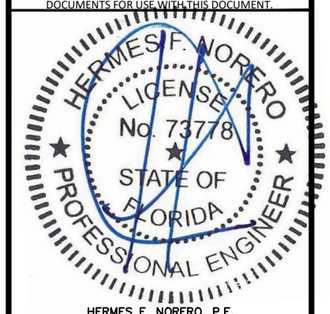
1) **MULLION CHART APPLIES TO 3/4" X 5 3/16" LVL MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **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.**

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
3/4" X 3-1/2" MULLION LOADS TABLE
ONE WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

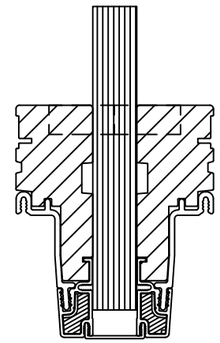


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227
DATE: 10.08.17
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 19 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
3/4" X 5-3/16" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION

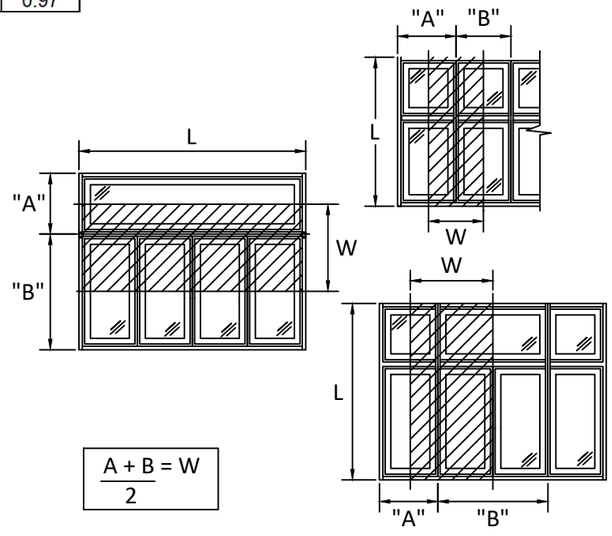
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	58.50	52.00	46.80	42.55	39.00	36.00	33.43	31.20	29.25
30.0	65.00	65.00	65.00	65.00	62.40	53.49	46.80	41.60	37.44	34.04	31.20	28.80	26.74	24.96	23.40
36.0	65.00	65.00	65.00	62.40	52.00	44.57	39.00	34.67	31.20	28.36	26.00	24.00	22.29	20.80	19.50
42.0	65.00	65.00	65.00	53.49	44.57	38.20	33.43	29.71	26.74	24.31	22.29	20.57	19.10	17.83	16.71
48.0	65.00	65.00	58.50	46.80	39.00	33.43	29.25	26.00	23.40	21.27	19.50	18.00	16.71	15.60	14.63
54.0	65.00	65.00	52.00	41.60	34.67	29.71	26.00	23.11	20.80	18.91	17.33	16.00	14.86	13.87	13.00
60.0	65.00	62.40	46.80	37.44	31.20	26.74	23.40	20.80	18.72	17.02	15.60	14.40	13.37	12.48	11.70
66.0	65.00	56.73	42.55	34.04	28.36	24.31	21.27	18.91	17.02	15.47	14.18	13.09	12.16	11.35	10.64
72.0	65.00	52.00	39.00	31.20	26.00	22.29	19.50	17.33	15.60	14.18	13.00	12.00	11.14	10.40	9.75
78.0	65.00	48.00	36.00	28.80	24.00	20.57	18.00	16.00	14.40	13.09	12.00	11.08	10.29	9.60	9.00
84.0	65.00	44.57	33.43	26.74	22.29	19.10	16.71	14.86	13.37	12.16	11.14	10.29	9.55	8.91	8.36
90.0	62.40	41.60	31.20	24.96	20.80	17.83	15.60	13.87	12.48	11.35	10.40	9.60	8.91	8.32	7.80
96.0	58.50	39.00	29.25	23.40	19.50	16.71	14.63	13.00	11.70	10.64	9.75	9.00	8.36	7.80	7.31
102.0	51.80	34.53	25.90	20.72	17.27	14.80	12.95	11.51	10.36	9.42	8.63	7.97	7.40	6.91	6.48
108.0	43.64	29.09	21.82	17.46	14.55	12.47	10.91	9.70	8.73	7.93	7.27	6.71	6.23	5.82	5.45
114.0	37.11	24.74	18.55	14.84	12.37	10.60	9.28	8.25	7.42	6.75	6.18	5.71	5.30	4.95	4.64
120.0	31.81	21.21	15.91	12.73	10.60	9.09	7.95	7.07	6.36	5.78	5.30	4.89	4.54	4.24	3.98
126.0	27.48	18.32	13.74	10.99	9.16	7.85	6.87	6.11	5.50	5.00	4.58	4.23	3.93	3.66	3.44
132.0	23.90	15.93	11.95	9.56	7.97	6.83	5.98	5.31	4.78	4.35	3.98	3.68	3.41	3.19	2.99
138.0	20.92	13.95	10.46	8.37	6.97	5.98	5.23	4.65	4.18	3.80	3.49	3.22	2.99	2.79	2.61
144.0	18.41	12.27	9.21	7.36	6.14	5.26	4.60	4.09	3.68	3.35	3.07	2.83	2.63	2.45	2.30
150.0	16.29	10.86	8.14	6.52	5.43	4.65	4.07	3.62	3.26	2.96	2.71	2.51	2.33	2.17	2.04
156.0	14.48	9.65	7.24	5.79	4.83	4.14	3.62	3.22	2.90	2.63	2.41	2.23	2.07	1.93	1.81
162.0	12.93	8.62	6.47	5.17	4.31	3.69	3.23	2.87	2.59	2.35	2.16	1.99	1.85	1.72	1.62
168.0	11.59	7.73	5.80	4.64	3.86	3.31	2.90	2.58	2.32	2.11	1.93	1.78	1.66	1.55	1.45
174.0	10.44	6.96	5.22	4.17	3.48	2.98	2.61	2.32	2.09	1.90	1.74	1.61	1.49	1.39	1.30
180.0	9.43	6.28	4.71	3.77	3.14	2.69	2.36	2.09	1.89	1.71	1.57	1.45	1.35	1.26	1.18
186.0	8.54	5.70	4.27	3.42	2.85	2.44	2.14	1.90	1.71	1.55	1.42	1.31	1.22	1.14	1.07
192.0	7.77	5.18	3.88	3.11	2.59	2.22	1.94	1.73	1.55	1.41	1.29	1.19	1.11	1.04	0.97



3/4" X 5 3/16"
LVL MULL PROFILE

NOTE:

1) **MULLION CHART APPLIES TO 3/4" X 5 3/16" LVL MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



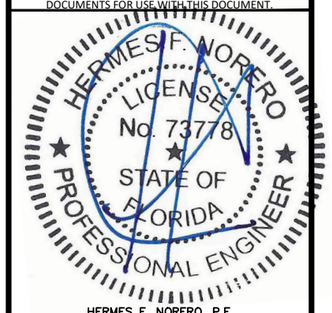
$$\frac{A + B = W}{2}$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
3/4" X 5-3/16" MULLION LOADS TABLE
TWO WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

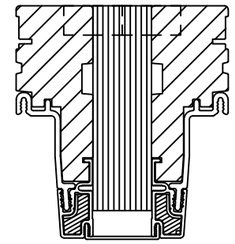


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

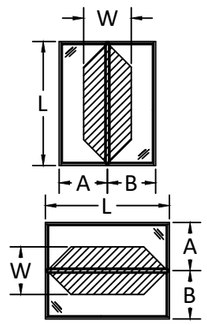
FL #: FL24227
DATE: 10.08.17
DWG. BY: RV | CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 20 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
1" X 3-1/2" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION

L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
30.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
36.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
42.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
48.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66.0	65.00	65.00	59.11	53.79	53.14	53.14	53.14	53.14	53.14	53.14	53.14	53.14	53.14	53.14	53.14
72.0	65.00	59.51	48.02	42.60	40.93	40.93	40.93	40.93	40.93	40.93	40.93	40.93	40.93	40.93	40.93
78.0	65.00	46.84	37.67	33.13	31.21	30.96	30.96	30.96	30.96	30.96	30.96	30.96	30.96	30.96	30.96
84.0	53.29	37.05	29.50	25.56	23.62	23.01	23.01	23.01	23.01	23.01	23.01	23.01	23.01	23.01	23.01
90.0	43.13	29.83	23.56	20.18	18.37	17.57	17.46	17.46	17.46	17.46	17.46	17.46	17.46	17.46	17.46
96.0	35.41	24.39	19.14	16.25	14.61	13.77	13.49	13.49	13.49	13.49	13.49	13.49	13.49	13.49	13.49
102.0	29.43	20.20	15.77	13.29	11.83	11.01	10.64	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59
108.0	24.73	16.92	13.15	11.02	9.73	8.97	8.56	8.42	8.42	8.42	8.42	8.42	8.42	8.42	8.42
114.0	20.98	14.32	11.09	9.25	8.11	7.41	7.00	6.81	6.78	6.78	6.78	6.78	6.78	6.78	6.78
120.0	17.96	12.23	9.44	7.84	6.84	6.21	5.81	5.60	5.53	5.53	5.53	5.53	5.53	5.53	5.53
126.0	15.49	10.53	8.10	6.71	5.83	5.25	4.89	4.67	4.56	4.55	4.55	4.55	4.55	4.55	4.55
132.0	13.45	9.13	7.01	5.78	5.01	4.49	4.15	3.94	3.82	3.77	3.77	3.77	3.77	3.77	3.77
138.0	11.76	7.97	6.11	5.03	4.33	3.87	3.56	3.35	3.23	3.17	3.16	3.16	3.16	3.16	3.16
144.0	10.34	6.99	5.35	4.39	3.78	3.37	3.08	2.89	2.76	2.69	2.66	2.66	2.66	2.66	2.66
150.0	9.14	6.18	4.72	3.87	3.32	2.94	2.68	2.50	2.38	2.31	2.27	2.26	2.26	2.26	2.26
156.0	8.12	5.48	4.18	3.42	2.93	2.59	2.35	2.19	2.07	1.99	1.95	1.93	1.93	1.93	1.93
162.0	7.24	4.89	3.72	3.04	2.60	2.29	2.08	1.92	1.81	1.74	1.69	1.67	1.66	1.66	1.66
168.0	6.49	4.37	3.33	2.72	2.32	2.04	1.84	1.70	1.60	1.52	1.48	1.45	1.44	1.44	1.44
174.0	5.84	3.93	2.99	2.44	2.07	1.82	1.64	1.51	1.42	1.35	1.30	1.27	1.25	1.25	1.25
180.0	5.27	3.55	2.70	2.19	1.86	1.64	1.47	1.35	1.26	1.20	1.15	1.12	1.10	1.09	1.09
186.0	4.77	3.21	2.44	1.98	1.68	1.48	1.32	1.21	1.13	1.07	1.02	0.99	0.97	0.96	0.96
192.0	4.34	2.92	2.21	1.80	1.52	1.33	1.20	1.09	1.02	0.96	0.91	0.88	0.86	0.85	0.84



1" X 3 1/2"
LVL MULL PROFILE



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

NOTE:

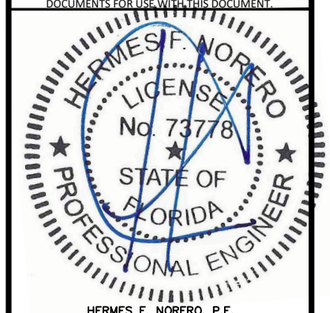
1) MULLION CHART APPLIES TO 1" X 3 1/2" LVL MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY CONFIGURATIONS.
2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.
5) MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10
6) TRIBUTARY WIDTH = W = (A+B)/2
7) 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.

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
1"X 3-1/2" MULLION LOADS TABLE
ONE WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

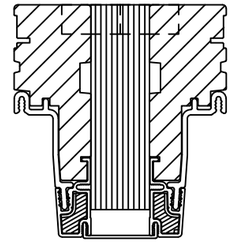


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227
DATE: 10.08.17
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 21 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
1" X 3-1/2" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION

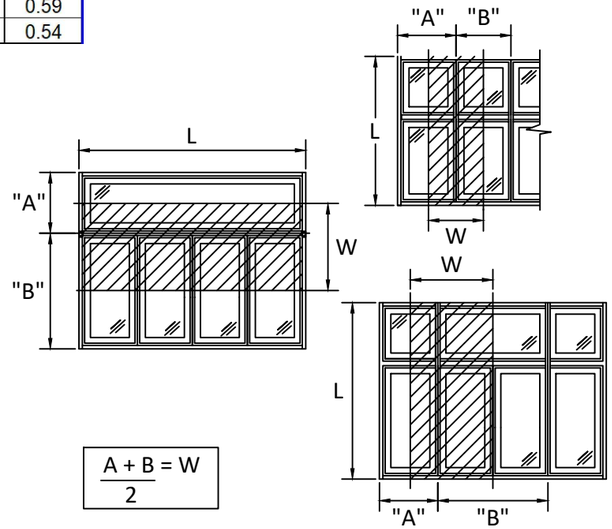
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	58.50	52.00	46.80	42.55	39.00	36.00	33.43	31.20	29.25
30.0	65.00	65.00	65.00	65.00	62.40	53.49	46.80	41.60	37.44	34.04	31.20	28.80	26.74	24.96	23.40
36.0	65.00	65.00	65.00	62.40	52.00	44.57	39.00	34.67	31.20	28.36	26.00	24.00	22.29	20.80	19.50
42.0	65.00	65.00	65.00	53.49	44.57	38.20	33.43	29.71	26.74	24.31	22.29	20.57	19.10	17.83	16.71
48.0	65.00	65.00	58.50	46.80	39.00	33.43	29.25	26.00	23.40	21.27	19.50	18.00	16.71	15.60	14.63
54.0	65.00	65.00	52.00	41.60	34.67	29.71	26.00	23.11	20.80	18.91	17.33	16.00	14.86	13.87	13.00
60.0	65.00	62.40	46.80	37.44	31.20	26.74	23.40	20.80	18.72	17.02	15.60	14.40	13.37	12.48	11.70
66.0	65.00	56.73	42.55	34.04	28.36	24.31	21.27	18.91	17.02	15.47	14.18	13.09	12.16	11.35	10.64
72.0	65.00	52.00	39.00	31.20	26.00	22.29	19.50	17.33	15.60	14.18	13.00	12.00	11.14	10.40	9.75
78.0	64.39	42.93	32.19	25.76	21.46	18.40	16.10	14.31	12.88	11.71	10.73	9.91	9.20	8.59	8.05
84.0	51.55	34.37	25.78	20.62	17.18	14.73	12.89	11.46	10.31	9.37	8.59	7.93	7.36	6.87	6.44
90.0	41.91	27.94	20.96	16.77	13.97	11.98	10.48	9.31	8.38	7.62	6.99	6.45	5.99	5.59	5.24
96.0	34.54	23.02	17.27	13.81	11.51	9.87	8.63	7.67	6.91	6.28	5.76	5.31	4.93	4.60	4.32
102.0	28.79	19.20	14.40	11.52	9.60	8.23	7.20	6.40	5.76	5.24	4.80	4.43	4.11	3.84	3.60
108.0	24.26	16.17	12.13	9.70	8.09	6.93	6.06	5.39	4.85	4.41	4.04	3.73	3.47	3.23	3.03
114.0	20.62	13.75	10.31	8.25	6.87	5.89	5.16	4.58	4.12	3.75	3.44	3.17	2.95	2.75	2.58
120.0	17.68	11.79	8.84	7.07	5.89	5.05	4.42	3.93	3.54	3.21	2.95	2.72	2.53	2.36	2.21
126.0	15.27	10.18	7.64	6.11	5.09	4.36	3.82	3.39	3.05	2.78	2.55	2.35	2.18	2.04	1.91
132.0	13.29	8.86	6.64	5.31	4.43	3.80	3.32	2.95	2.66	2.42	2.21	2.04	1.90	1.77	1.66
138.0	11.63	7.75	5.81	4.65	3.88	3.32	2.91	2.58	2.33	2.11	1.94	1.79	1.66	1.55	1.45
144.0	10.23	6.82	5.12	4.09	3.41	2.92	2.56	2.27	2.05	1.86	1.71	1.57	1.46	1.36	1.28
150.0	9.05	6.04	4.53	3.62	3.02	2.59	2.26	2.01	1.81	1.65	1.51	1.39	1.29	1.21	1.13
156.0	8.05	5.37	4.02	3.22	2.68	2.30	2.01	1.79	1.61	1.46	1.34	1.24	1.15	1.07	1.01
162.0	7.19	4.79	3.59	2.87	2.40	2.05	1.80	1.60	1.44	1.31	1.20	1.11	1.03	0.96	0.90
168.0	6.44	4.30	3.22	2.58	2.15	1.84	1.61	1.43	1.29	1.17	1.07	0.99	0.92	0.86	0.81
174.0	5.80	3.87	2.90	2.32	1.93	1.66	1.45	1.29	1.16	1.05	0.97	0.89	0.83	0.77	0.73
180.0	5.24	3.49	2.62	2.10	1.75	1.50	1.31	1.16	1.05	0.95	0.87	0.81	0.75	0.70	0.65
186.0	4.75	3.17	2.37	1.90	1.58	1.36	1.19	1.06	0.95	0.86	0.79	0.73	0.68	0.63	0.59
192.0	4.32	2.88	2.16	1.73	1.44	1.23	1.08	0.96	0.86	0.78	0.72	0.66	0.62	0.58	0.54



1" X 3 1/2"
LVL MULL PROFILE

NOTE:

1) **MULLION CHART APPLIES TO 1" X 3 1/2" LVL MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



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

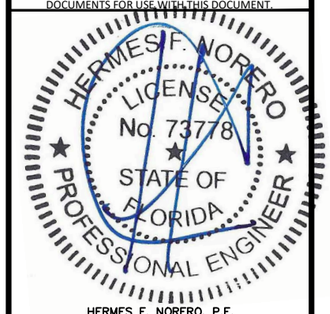
Andersen AW WINDOWS • DOORS

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

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
1 "X 3-1/2" MULLION LOADS TABLE
TWO WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19



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

FL #: FL24227

DATE: 10.08.17

DWG. BY: RV | CHK. BY: HFN

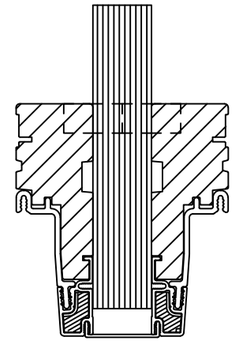
SCALE: NTS

DWG. #: AWD199

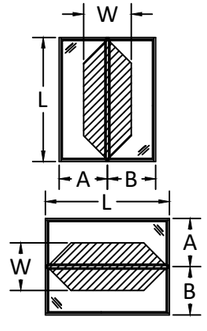
SHEET: 22 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
1" X 5-3/16" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION

L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
30.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
36.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
42.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
48.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66.0	65.00	65.00	65.00	62.40	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88
72.0	65.00	65.00	58.50	53.49	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00
78.0	65.00	62.40	52.00	46.80	44.57	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31
84.0	65.00	56.73	46.80	41.60	39.00	38.20	38.20	38.20	38.20	38.20	38.20	38.20	38.20	38.20	38.20
90.0	65.00	52.00	42.55	37.44	34.67	33.43	33.28	33.28	33.28	33.28	33.28	33.28	33.28	33.28	33.28
96.0	65.00	48.00	39.00	34.04	31.20	29.71	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25
102.0	62.40	44.57	35.48	29.90	26.63	24.78	23.94	23.82	23.82	23.82	23.82	23.82	23.82	23.82	23.82
108.0	55.66	38.08	29.59	24.80	21.90	20.18	19.26	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95
114.0	47.22	32.22	24.95	20.80	18.26	16.68	15.76	15.33	15.27	15.27	15.27	15.27	15.27	15.27	15.27
120.0	40.41	27.51	21.24	17.64	15.39	13.97	13.08	12.60	12.43	12.43	12.43	12.43	12.43	12.43	12.43
126.0	34.85	23.69	18.24	15.09	13.11	11.82	11.00	10.50	10.27	10.23	10.23	10.23	10.23	10.23	10.23
132.0	30.27	20.54	15.78	13.02	11.26	10.11	9.34	8.86	8.59	8.49	8.49	8.49	8.49	8.49	8.49
138.0	26.46	17.93	13.74	11.31	9.75	8.72	8.01	7.55	7.27	7.13	7.11	7.11	7.11	7.11	7.11
144.0	23.27	15.74	12.05	9.89	8.51	7.57	6.93	6.49	6.21	6.05	6.00	6.00	6.00	6.00	6.00
150.0	20.56	13.90	10.62	8.70	7.46	6.62	6.04	5.63	5.36	5.19	5.11	5.09	5.09	5.09	5.09
156.0	18.27	12.33	9.41	7.70	6.59	5.83	5.30	4.92	4.66	4.49	4.39	4.35	4.35	4.35	4.35
162.0	16.30	10.99	8.38	6.84	5.85	5.16	4.68	4.33	4.08	3.91	3.80	3.75	3.74	3.74	3.74
168.0	14.61	9.84	7.49	6.11	5.21	4.59	4.15	3.83	3.59	3.43	3.32	3.26	3.24	3.24	3.24
174.0	13.14	8.85	6.73	5.48	4.67	4.10	3.70	3.40	3.19	3.03	2.92	2.85	2.82	2.81	2.81
180.0	11.86	7.98	6.07	4.93	4.20	3.68	3.31	3.04	2.84	2.69	2.58	2.51	2.47	2.46	2.46
186.0	10.74	7.23	5.49	4.46	3.79	3.32	2.98	2.73	2.54	2.40	2.30	2.23	2.18	2.16	2.15
192.0	9.76	6.56	4.98	4.04	3.43	3.00	2.69	2.46	2.28	2.15	2.05	1.98	1.94	1.91	1.90



1" X 5 3/16"
LVL MULL PROFILE



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

NOTE:

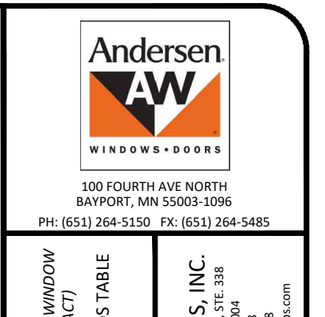
1) MULLION CHART APPLIES TO 1" X 5 3/16" LVL MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY CONFIGURATIONS.
2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.
5) MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10
6) TRIBUTARY WIDTH = W = (A+B)/2
7) 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.

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
1" X 5-3/16" MULLION LOADS TABLE
ONE WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

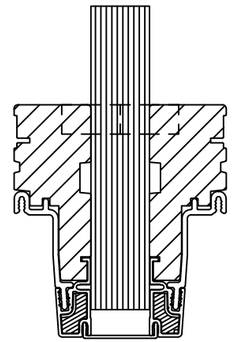


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227
DATE: 10.08.17
DWG. BY: RV | CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 23 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
1" X 5-3/16" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION

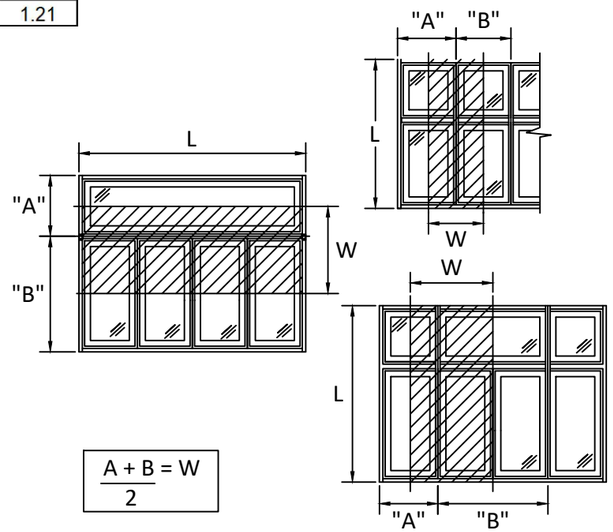
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	58.50	52.00	46.80	42.55	39.00	36.00	33.43	31.20	29.25
30.0	65.00	65.00	65.00	65.00	62.40	53.49	46.80	41.60	37.44	34.04	31.20	28.80	26.74	24.96	23.40
36.0	65.00	65.00	65.00	62.40	52.00	44.57	39.00	34.67	31.20	28.36	26.00	24.00	22.29	20.80	19.50
42.0	65.00	65.00	65.00	53.49	44.57	38.20	33.43	29.71	26.74	24.31	22.29	20.57	19.10	17.83	16.71
48.0	65.00	65.00	58.50	46.80	39.00	33.43	29.25	26.00	23.40	21.27	19.50	18.00	16.71	15.60	14.63
54.0	65.00	65.00	52.00	41.60	34.67	29.71	26.00	23.11	20.80	18.91	17.33	16.00	14.86	13.87	13.00
60.0	65.00	62.40	46.80	37.44	31.20	26.74	23.40	20.80	18.72	17.02	15.60	14.40	13.37	12.48	11.70
66.0	65.00	56.73	42.55	34.04	28.36	24.31	21.27	18.91	17.02	15.47	14.18	13.09	12.16	11.35	10.64
72.0	65.00	52.00	39.00	31.20	26.00	22.29	19.50	17.33	15.60	14.18	13.00	12.00	11.14	10.40	9.75
78.0	65.00	48.00	36.00	28.80	24.00	20.57	18.00	16.00	14.40	13.09	12.00	11.08	10.29	9.60	9.00
84.0	65.00	44.57	33.43	26.74	22.29	19.10	16.71	14.86	13.37	12.16	11.14	10.29	9.55	8.91	8.36
90.0	62.40	41.60	31.20	24.96	20.80	17.83	15.60	13.87	12.48	11.35	10.40	9.60	8.91	8.32	7.80
96.0	58.50	39.00	29.25	23.40	19.50	16.71	14.63	13.00	11.70	10.64	9.75	9.00	8.36	7.80	7.31
102.0	55.06	36.71	27.53	22.02	18.35	15.73	13.76	12.24	11.01	10.01	9.18	8.47	7.87	7.34	6.88
108.0	52.00	34.67	26.00	20.80	17.33	14.86	13.00	11.56	10.40	9.45	8.67	8.00	7.43	6.93	6.50
114.0	46.41	30.94	23.20	18.56	15.47	13.26	11.60	10.31	9.28	8.44	7.73	7.14	6.63	6.19	5.80
120.0	39.79	26.53	19.90	15.92	13.26	11.37	9.95	8.84	7.96	7.23	6.63	6.12	5.68	5.31	4.97
126.0	34.37	22.91	17.19	13.75	11.46	9.82	8.59	7.64	6.87	6.25	5.73	5.29	4.91	4.58	4.30
132.0	29.89	19.93	14.95	11.96	9.96	8.54	7.47	6.64	5.98	5.44	4.98	4.60	4.27	3.99	3.74
138.0	26.16	17.44	13.08	10.47	8.72	7.48	6.54	5.81	5.23	4.76	4.36	4.03	3.74	3.49	3.27
144.0	23.03	15.35	11.51	9.21	7.68	6.58	5.76	5.12	4.61	4.19	3.84	3.54	3.29	3.07	2.88
150.0	20.37	13.58	10.19	8.15	6.79	5.82	5.09	4.53	4.07	3.70	3.40	3.13	2.91	2.72	2.55
156.0	18.11	12.07	9.06	7.24	6.04	5.17	4.53	4.02	3.62	3.29	3.02	2.79	2.59	2.41	2.26
162.0	16.17	10.78	8.09	6.47	5.39	4.62	4.04	3.59	3.23	2.94	2.70	2.49	2.31	2.16	2.02
168.0	14.50	9.67	7.25	5.80	4.83	4.14	3.63	3.22	2.90	2.64	2.42	2.23	2.07	1.93	1.81
174.0	13.05	8.70	6.53	5.22	4.35	3.73	3.26	2.90	2.61	2.37	2.18	2.01	1.86	1.74	1.63
180.0	11.79	7.86	5.89	4.72	3.93	3.37	2.95	2.62	2.36	2.14	1.96	1.81	1.68	1.57	1.47
186.0	10.69	7.12	5.34	4.27	3.56	3.05	2.67	2.37	2.14	1.94	1.78	1.64	1.53	1.42	1.34
192.0	9.71	6.48	4.86	3.89	3.24	2.78	2.43	2.16	1.94	1.77	1.62	1.49	1.39	1.30	1.21



1" X 5 3/16"
LVL MULL PROFILE

NOTE:

1) **MULLION CHART APPLIES TO 1" X 5 3/16" LVL MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



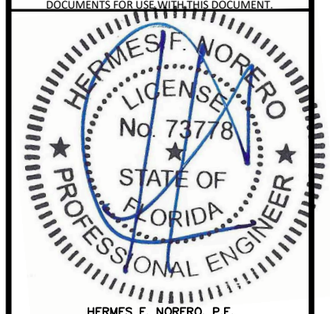
$$\frac{A + B}{2} = W$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
1" X 5-3/16" MULLION LOADS TABLE
TWO WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

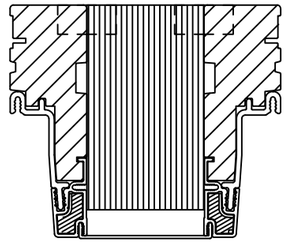


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227
DATE: 10.08.17
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 24 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
2" X 3-1/2" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION

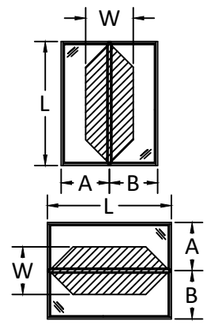
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
30.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
36.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
42.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
48.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66.0	65.00	65.00	65.00	62.40	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88
72.0	65.00	65.00	58.50	53.49	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00
78.0	65.00	62.40	52.00	46.80	44.57	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31
84.0	65.00	56.73	45.84	39.73	36.72	35.77	35.77	35.77	35.77	35.77	35.77	35.77	35.77	35.77	35.77
90.0	65.00	46.37	36.62	31.37	28.56	27.31	27.14	27.14	27.14	27.14	27.14	27.14	27.14	27.14	27.14
96.0	55.04	37.90	29.74	25.25	22.71	21.40	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97
102.0	45.75	31.39	24.50	20.65	18.39	17.12	16.54	16.45	16.45	16.45	16.45	16.45	16.45	16.45	16.45
108.0	38.44	26.30	20.44	17.13	15.13	13.94	13.30	13.09	13.09	13.09	13.09	13.09	13.09	13.09	13.09
114.0	32.61	22.26	17.23	14.37	12.61	11.52	10.88	10.59	10.54	10.54	10.54	10.54	10.54	10.54	10.54
120.0	27.91	19.00	14.67	12.18	10.63	9.65	9.04	8.70	8.59	8.59	8.59	8.59	8.59	8.59	8.59
126.0	24.07	16.36	12.60	10.42	9.06	8.17	7.59	7.25	7.09	7.07	7.07	7.07	7.07	7.07	7.07
132.0	20.91	14.18	10.90	8.99	7.78	6.98	6.45	6.12	5.93	5.87	5.87	5.87	5.87	5.87	5.87
138.0	18.28	12.38	9.49	7.81	6.74	6.02	5.53	5.21	5.02	4.93	4.91	4.91	4.91	4.91	4.91
144.0	16.07	10.87	8.32	6.83	5.87	5.23	4.79	4.49	4.29	4.18	4.14	4.14	4.14	4.14	4.14
150.0	14.20	9.60	7.34	6.01	5.16	4.58	4.17	3.89	3.70	3.58	3.53	3.52	3.52	3.52	3.52
156.0	12.62	8.52	6.50	5.32	4.55	4.03	3.66	3.40	3.22	3.10	3.03	3.01	3.01	3.01	3.01
162.0	11.26	7.59	5.79	4.73	4.04	3.56	3.23	2.99	2.82	2.70	2.63	2.59	2.59	2.59	2.59
168.0	10.09	6.80	5.18	4.22	3.60	3.17	2.87	2.64	2.48	2.37	2.29	2.25	2.24	2.24	2.24
174.0	9.07	6.11	4.65	3.79	3.22	2.83	2.55	2.35	2.20	2.09	2.02	1.97	1.95	1.94	1.94
180.0	8.19	5.51	4.19	3.41	2.90	2.54	2.29	2.10	1.96	1.86	1.78	1.74	1.71	1.70	1.70
186.0	7.42	4.99	3.79	3.08	2.62	2.29	2.06	1.89	1.76	1.66	1.59	1.54	1.51	1.49	1.49
192.0	6.74	4.53	3.44	2.79	2.37	2.07	1.86	1.70	1.58	1.49	1.42	1.37	1.34	1.32	1.31



2" X 3 1/2"
LVL MULL PROFILE

NOTE:

1) **MULLION CHART APPLIES TO 2" X 3 1/2" LVL MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



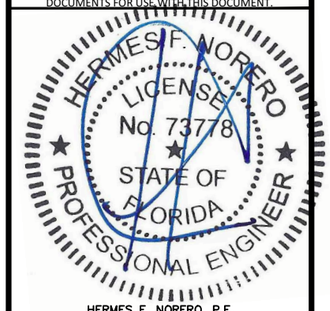
$$\frac{A + B}{2} = W$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
2" X 3-1/2" MULLION LOADS TABLE
ONE WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

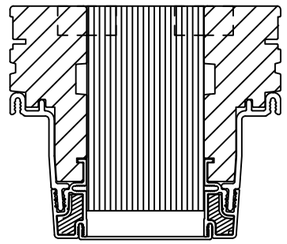


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227
DATE: 10.08.17
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 25 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
2" X 3-1/2" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION

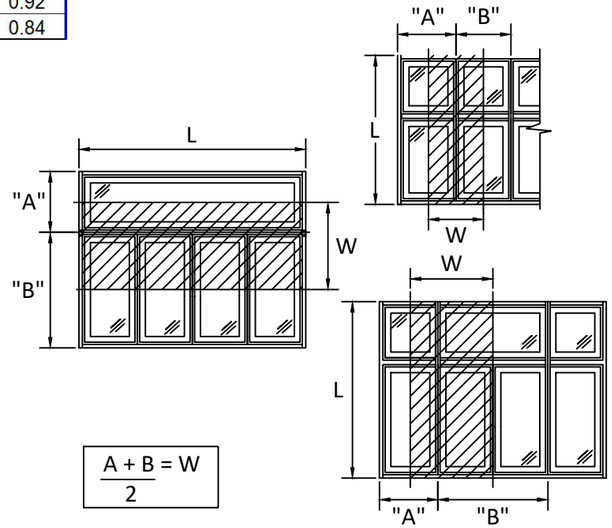
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	58.50	52.00	46.80	42.55	39.00	36.00	33.43	31.20	29.25
30.0	65.00	65.00	65.00	65.00	62.40	53.49	46.80	41.60	37.44	34.04	31.20	28.80	26.74	24.96	23.40
36.0	65.00	65.00	65.00	62.40	52.00	44.57	39.00	34.67	31.20	28.36	26.00	24.00	22.29	20.80	19.50
42.0	65.00	65.00	65.00	53.49	44.57	38.20	33.43	29.71	26.74	24.31	22.29	20.57	19.10	17.83	16.71
48.0	65.00	65.00	58.50	46.80	39.00	33.43	29.25	26.00	23.40	21.27	19.50	18.00	16.71	15.60	14.63
54.0	65.00	65.00	52.00	41.60	34.67	29.71	26.00	23.11	20.80	18.91	17.33	16.00	14.86	13.87	13.00
60.0	65.00	62.40	46.80	37.44	31.20	26.74	23.40	20.80	18.72	17.02	15.60	14.40	13.37	12.48	11.70
66.0	65.00	56.73	42.55	34.04	28.36	24.31	21.27	18.91	17.02	15.47	14.18	13.09	12.16	11.35	10.64
72.0	65.00	52.00	39.00	31.20	26.00	22.29	19.50	17.33	15.60	14.18	13.00	12.00	11.14	10.40	9.75
78.0	65.00	48.00	36.00	28.80	24.00	20.57	18.00	16.00	14.40	13.09	12.00	11.08	10.29	9.60	9.00
84.0	65.00	44.57	33.43	26.74	22.29	19.10	16.71	14.86	13.37	12.16	11.14	10.29	9.55	8.91	8.36
90.0	62.40	41.60	31.20	24.96	20.80	17.83	15.60	13.87	12.48	11.35	10.40	9.60	8.91	8.32	7.80
96.0	53.68	35.78	26.84	21.47	17.89	15.34	13.42	11.93	10.74	9.76	8.95	8.26	7.67	7.16	6.71
102.0	44.75	29.83	22.38	17.90	14.92	12.79	11.19	9.94	8.95	8.14	7.46	6.88	6.39	5.97	5.59
108.0	37.70	25.13	18.85	15.08	12.57	10.77	9.42	8.38	7.54	6.85	6.28	5.80	5.39	5.03	4.71
114.0	32.05	21.37	16.03	12.82	10.68	9.16	8.01	7.12	6.41	5.83	5.34	4.93	4.58	4.27	4.01
120.0	27.48	18.32	13.74	10.99	9.16	7.85	6.87	6.11	5.50	5.00	4.58	4.23	3.93	3.66	3.44
126.0	23.74	15.83	11.87	9.50	7.91	6.78	5.94	5.28	4.75	4.32	3.96	3.65	3.39	3.17	2.97
132.0	20.65	13.77	10.32	8.26	6.88	5.90	5.16	4.59	4.13	3.75	3.44	3.18	2.95	2.75	2.58
138.0	18.07	12.05	9.04	7.23	6.02	5.16	4.52	4.02	3.61	3.29	3.01	2.78	2.58	2.41	2.26
144.0	15.90	10.60	7.95	6.36	5.30	4.54	3.98	3.53	3.18	2.89	2.65	2.45	2.27	2.12	1.99
150.0	14.07	9.38	7.04	5.63	4.69	4.02	3.52	3.13	2.81	2.56	2.35	2.16	2.01	1.88	1.76
156.0	12.51	8.34	6.25	5.00	4.17	3.57	3.13	2.78	2.50	2.27	2.08	1.92	1.79	1.67	1.56
162.0	11.17	7.45	5.59	4.47	3.72	3.19	2.79	2.48	2.23	2.03	1.86	1.72	1.60	1.49	1.40
168.0	10.02	6.68	5.01	4.01	3.34	2.86	2.50	2.23	2.00	1.82	1.67	1.54	1.43	1.34	1.25
174.0	9.01	6.01	4.51	3.61	3.00	2.58	2.25	2.00	1.80	1.64	1.50	1.39	1.29	1.20	1.13
180.0	8.14	5.43	4.07	3.26	2.71	2.33	2.04	1.81	1.63	1.48	1.36	1.25	1.16	1.09	1.02
186.0	7.38	4.92	3.69	2.95	2.46	2.11	1.85	1.64	1.48	1.34	1.23	1.14	1.05	0.98	0.92
192.0	6.71	4.47	3.35	2.68	2.24	1.92	1.68	1.49	1.34	1.22	1.12	1.03	0.96	0.89	0.84



2" X 3 1/2"
LVL MULL PROFILE

NOTE:

1) **MULLION CHART APPLIES TO 2" X 3 1/2" LVL MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



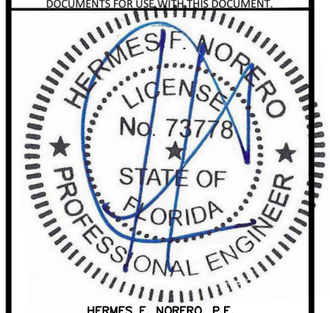
$$\frac{A + B = W}{2}$$

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
2" X 3-1/2" MULLION LOADS TABLE
TWO WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

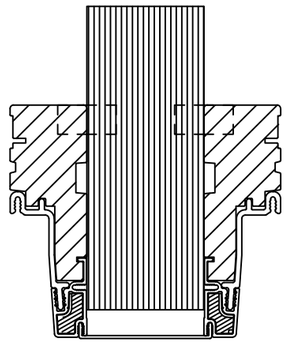


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

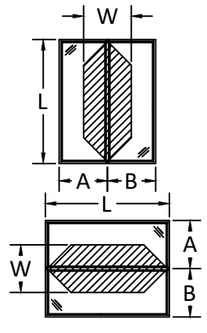
FL #: FL24227
DATE: 10.08.17
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 26 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
2" X 5-3/16" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION

L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
30.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
36.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
42.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
48.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
54.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
60.0	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
66.0	65.00	65.00	65.00	62.40	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88	61.88
72.0	65.00	65.00	58.50	53.49	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00
78.0	65.00	62.40	52.00	46.80	44.57	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31	44.31
84.0	65.00	56.73	46.80	41.60	39.00	38.20	38.20	38.20	38.20	38.20	38.20	38.20	38.20	38.20	38.20
90.0	65.00	52.00	42.55	37.44	34.67	33.43	33.28	33.28	33.28	33.28	33.28	33.28	33.28	33.28	33.28
96.0	65.00	48.00	39.00	34.04	31.20	29.71	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25
102.0	62.40	44.57	36.00	31.20	28.36	26.74	26.00	25.91	25.91	25.91	25.91	25.91	25.91	25.91	25.91
108.0	58.50	41.60	33.43	28.80	26.00	24.31	23.40	23.11	23.11	23.11	23.11	23.11	23.11	23.11	23.11
114.0	55.06	39.00	31.20	26.74	24.00	22.29	21.27	20.80	20.74	20.74	20.74	20.74	20.74	20.74	20.74
120.0	52.00	36.71	29.25	24.96	22.29	20.57	19.50	18.91	18.72	18.72	18.72	18.72	18.72	18.72	18.72
126.0	49.26	34.67	27.53	23.40	20.80	19.10	18.00	17.33	17.02	16.98	16.98	16.98	16.98	16.98	16.98
132.0	46.80	32.84	26.00	22.02	19.50	17.83	16.71	15.96	15.47	15.30	15.30	15.30	15.30	15.30	15.30
138.0	44.57	31.20	24.63	20.38	17.58	15.70	14.44	13.60	13.09	12.85	12.81	12.81	12.81	12.81	12.81
144.0	41.92	28.36	21.71	17.82	15.33	13.64	12.49	11.70	11.19	10.91	10.81	10.81	10.81	10.81	10.81
150.0	37.05	25.04	19.14	15.68	13.45	11.94	10.88	10.15	9.66	9.35	9.20	9.18	9.18	9.18	9.18
156.0	32.91	22.22	16.96	13.87	11.87	10.51	9.55	8.87	8.39	8.09	7.91	7.84	7.84	7.84	7.84
162.0	29.37	19.81	15.10	12.33	10.53	9.30	8.42	7.80	7.35	7.05	6.86	6.76	6.75	6.75	6.75
168.0	26.32	17.74	13.50	11.01	9.39	8.27	7.47	6.90	6.48	6.18	5.99	5.87	5.83	5.83	5.83
174.0	23.67	15.94	12.13	9.88	8.41	7.39	6.67	6.13	5.74	5.46	5.26	5.14	5.08	5.07	5.07
180.0	21.37	14.38	10.93	8.89	7.56	6.64	5.97	5.48	5.12	4.85	4.66	4.53	4.45	4.43	4.43
186.0	19.36	13.02	9.89	8.04	6.82	5.98	5.37	4.92	4.58	4.33	4.14	4.01	3.93	3.89	3.88
192.0	17.59	11.83	8.97	7.29	6.18	5.41	4.85	4.43	4.12	3.88	3.70	3.57	3.49	3.44	3.42



2" X 5 3/16"
LVL MULL PROFILE



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

NOTE:

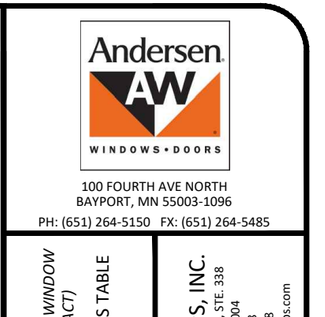
1) MULLION CHART APPLIES TO 2" X 5 3/16"LVL MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY CONFIGURATIONS.
2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.
5) MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10
6) TRIBUTARY WIDTH = W = (A+B)/2
7) 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.

Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
2"X 5-3/16" MULLION LOADS TABLE
ONE WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
ADDED ZERO, 1/2", 1" & 2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.13.19

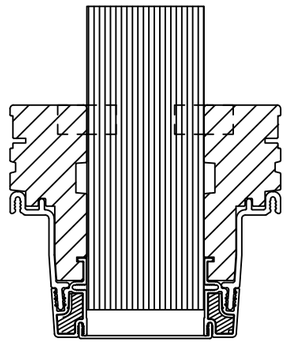


HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

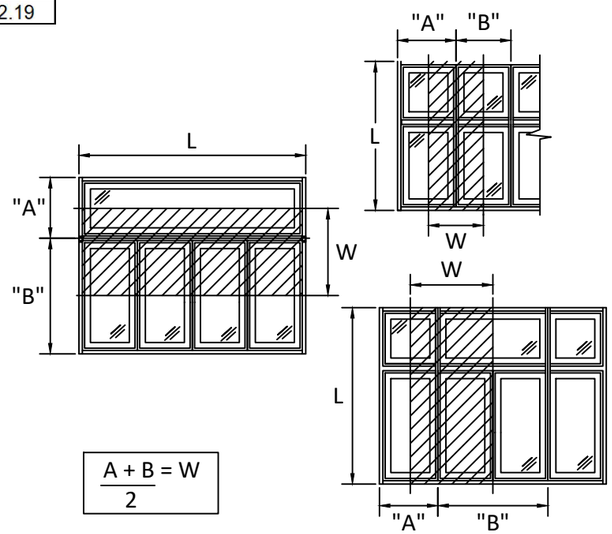
FL #: FL24227
DATE: 10.08.17
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 27 OF 28

MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
2" X 5-3/16" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION

L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	75.00	75.00	75.00	75.00	75.00	66.86	58.50	52.00	46.80	42.55	39.00	36.00	33.43	31.20	29.25
30.0	75.00	75.00	75.00	74.88	62.40	53.49	46.80	41.60	37.44	34.04	31.20	28.80	26.74	24.96	23.40
36.0	75.00	75.00	75.00	62.40	52.00	44.57	39.00	34.67	31.20	28.36	26.00	24.00	22.29	20.80	19.50
42.0	75.00	75.00	66.86	53.49	44.57	38.20	33.43	29.71	26.74	24.31	22.29	20.57	19.10	17.83	16.71
48.0	75.00	75.00	58.50	46.80	39.00	33.43	29.25	26.00	23.40	21.27	19.50	18.00	16.71	15.60	14.63
54.0	75.00	69.33	52.00	41.60	34.67	29.71	26.00	23.11	20.80	18.91	17.33	16.00	14.86	13.87	13.00
60.0	75.00	62.40	46.80	37.44	31.20	26.74	23.40	20.80	18.72	17.02	15.60	14.40	13.37	12.48	11.70
66.0	75.00	56.73	42.55	34.04	28.36	24.31	21.27	18.91	17.02	15.47	14.18	13.09	12.16	11.35	10.64
72.0	75.00	52.00	39.00	31.20	26.00	22.29	19.50	17.33	15.60	14.18	13.00	12.00	11.14	10.40	9.75
78.0	72.00	48.00	36.00	28.80	24.00	20.57	18.00	16.00	14.40	13.09	12.00	11.08	10.29	9.60	9.00
84.0	66.86	44.57	33.43	26.74	22.29	19.10	16.71	14.86	13.37	12.16	11.14	10.29	9.55	8.91	8.36
90.0	62.40	41.60	31.20	24.96	20.80	17.83	15.60	13.87	12.48	11.35	10.40	9.60	8.91	8.32	7.80
96.0	58.50	39.00	29.25	23.40	19.50	16.71	14.63	13.00	11.70	10.64	9.75	9.00	8.36	7.80	7.31
102.0	55.06	36.71	27.53	22.02	18.35	15.73	13.76	12.24	11.01	10.01	9.18	8.47	7.87	7.34	6.88
108.0	52.00	34.67	26.00	20.80	17.33	14.86	13.00	11.56	10.40	9.45	8.67	8.00	7.43	6.93	6.50
114.0	49.26	32.84	24.63	19.71	16.42	14.08	12.32	10.95	9.85	8.96	8.21	7.58	7.04	6.57	6.16
120.0	46.80	31.20	23.40	18.72	15.60	13.37	11.70	10.40	9.36	8.51	7.80	7.20	6.69	6.24	5.85
126.0	44.57	29.71	22.29	17.83	14.86	12.73	11.14	9.90	8.91	8.10	7.43	6.86	6.37	5.94	5.57
132.0	42.55	28.36	21.27	17.02	14.18	12.16	10.64	9.45	8.51	7.74	7.09	6.55	6.08	5.67	5.32
138.0	40.70	27.13	20.35	16.28	13.57	11.63	10.17	9.04	8.14	7.40	6.78	6.26	5.81	5.43	5.09
144.0	39.00	26.00	19.50	15.60	13.00	11.14	9.75	8.67	7.80	7.09	6.50	6.00	5.57	5.20	4.88
150.0	36.71	24.47	18.35	14.68	12.24	10.49	9.18	8.16	7.34	6.67	6.12	5.65	5.24	4.89	4.59
156.0	32.63	21.76	16.32	13.05	10.88	9.32	8.16	7.25	6.53	5.93	5.44	5.02	4.66	4.35	4.08
162.0	29.14	19.43	14.57	11.66	9.71	8.33	7.29	6.48	5.83	5.30	4.86	4.48	4.16	3.89	3.64
168.0	26.13	17.42	13.06	10.45	8.71	7.47	6.53	5.81	5.23	4.75	4.35	4.02	3.73	3.48	3.27
174.0	23.52	15.68	11.76	9.41	7.84	6.72	5.88	5.23	4.70	4.28	3.92	3.62	3.36	3.14	2.94
180.0	21.24	14.16	10.62	8.50	7.08	6.07	5.31	4.72	4.25	3.86	3.54	3.27	3.03	2.83	2.66
186.0	19.25	12.84	9.63	7.70	6.42	5.50	4.81	4.28	3.85	3.50	3.21	2.96	2.75	2.57	2.41
192.0	17.50	11.67	8.75	7.00	5.83	5.00	4.38	3.89	3.50	3.18	2.92	2.69	2.50	2.33	2.19



2" X 5 3/16"
LVL MULL PROFILE



NOTE:

1) **MULLION CHART APPLIES TO 2" X 5 3/16" LVL MULL ASSEMBLIES, WHEN MULLED IN TWO-WAY CONFIGURATIONS.**
2) **DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.**
3) **MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.**
4) **DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT E-SERIES WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL APPROVAL.**
5) **MULLION CHART APPLIES TO THE INSTALLATION CONDITIONS LISTED ON SHEET 10**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
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Andersen AW WINDOWS • DOORS
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *E-SERIES CLAD VENT AWNING WINDOW (NON-HVHZ) (NON-IMPACT)*
2"X 5-3/16" MULLION LOADS TABLE
TWO WAY

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
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/17
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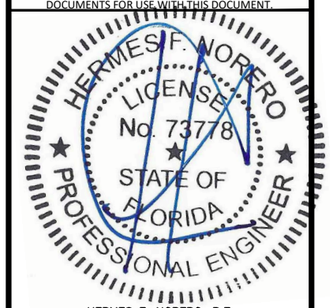

HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL24227
DATE: 10.08.17
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD199
SHEET: 28 OF 28