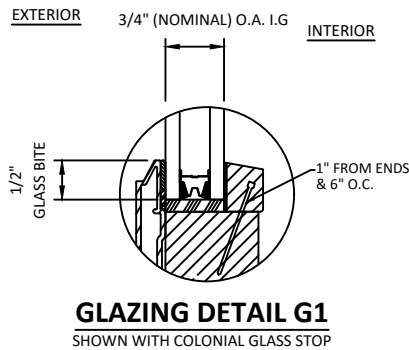


ANDERSEN CORPORATION

E-SERIES FIXED CASEMENT WINDOW - DIRECT SET (1-PC FRAME) (NON-HVHZ) (NON-IMPACT)

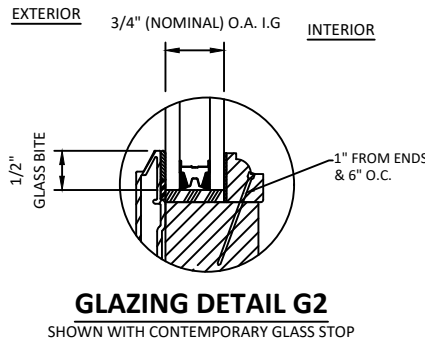
GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-08/11
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: *ALUMINUM CLAD WOOD*.
- MULLION MATERIAL: LAMINATED VENEER LUMBER.
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300. SEE SHEET 1 FOR GLAZING DETAILS.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: *OPERABLE PANEL*
 - O: *FIXED PANEL*
- CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.



GLAZING NOTES:

- 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.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLES ON SHEET 1.



WINDOW TYPE	OVERALL FRAME SIZE		OVERALL D.L.O. DIMENSION		GLASS TYPE	DESIGN PRESSURE (PSF)	
	WIDTH (IN.)	HEIGHT (IN.)	WIDTH (IN.)	HEIGHT (IN.)		POS.	NEG.
FIXED	72.0	96.0	65.87	89.87	G1, G2	+80	-80
FIXED	54.0	120.0	47.87	113.87	G1, G2	+80	-80

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

TABLE OF CONTENTS

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14	B	1/2" x 3-1/2" MULLION LOADS TABLE - TWO WAY
15	B	1/2" x 5-3/16" MULLION LOADS TABLE - ONE WAY
16	B	1/2" x 5-3/16" MULLION LOADS TABLE - TWO WAY
17	B	3/4" x 3-1/2" MULLION LOADS TABLE - ONE WAY
18	B	3/4" x 3-1/2" MULLION LOADS TABLE - TWO WAY
19	B	3/4" x 5-3/16" MULLION LOADS TABLE - ONE WAY
20	B	3/4" x 5-3/16" MULLION LOADS TABLE - TWO WAY
21	B	1" x 3-1/2" MULLION LOADS TABLE - ONE WAY
22	B	1" x 3-1/2" MULLION LOADS TABLE - TWO WAY
23	B	1" x 5-3/16" MULLION LOADS TABLE - ONE WAY
24	B	1" x 5-3/16" MULLION LOADS TABLE - TWO WAY
25	B	2" x 3-1/2" MULLION LOADS TABLE - ONE WAY
26	B	2" x 3-1/2" MULLION LOADS TABLE - TWO WAY
27	B	2" x 5-3/16" MULLION LOADS TABLE - ONE WAY
28	B	2" x 5-3/16" MULLION LOADS TABLE - TWO WAY



100 FOURTH AVE NORTH
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PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)
GENERAL NOTES & GLAZING DETAIL

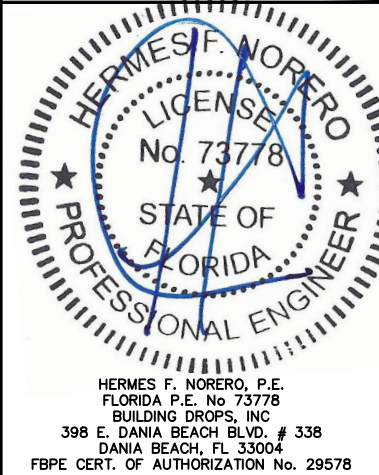
PREPARED BY:

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398 E. DANIA BEACH BLVD., STE. 338
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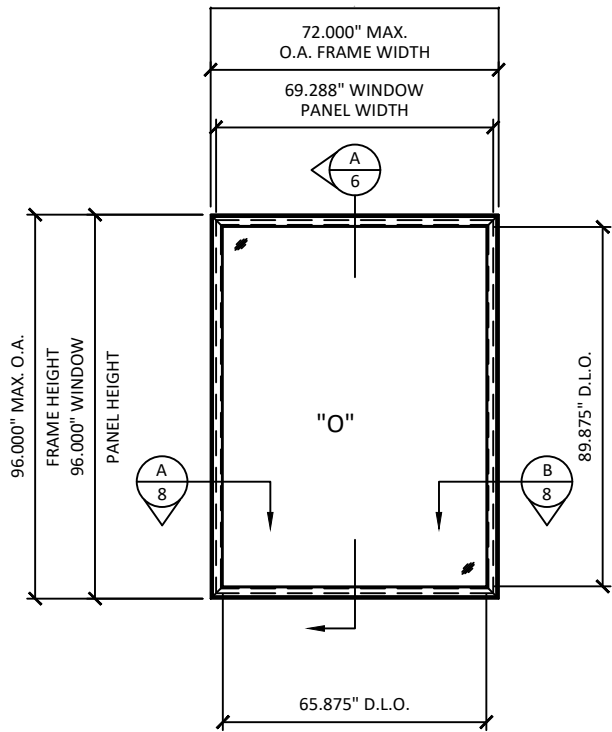
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6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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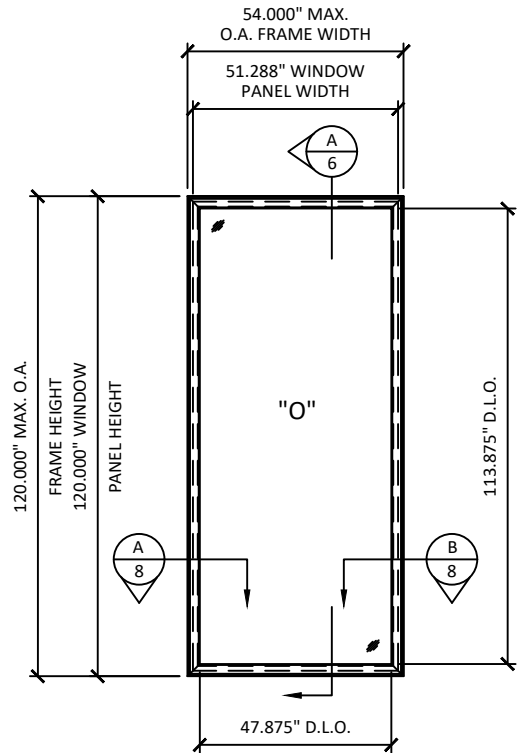


FL #:	FL24230
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD211

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	OF 28

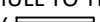


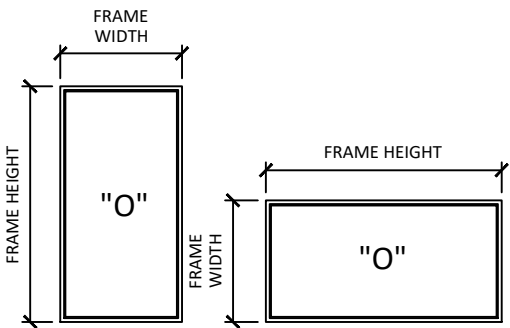
ELEVATION
SINGLE UNIT



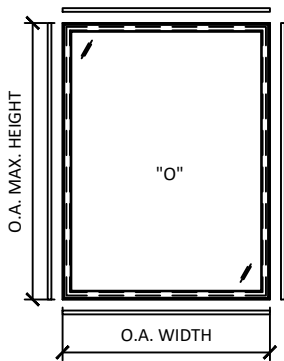
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NOTE:
SEE NOTE 2 FOR SIZE RESTRICTIONS

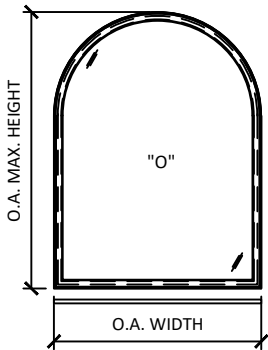
- NOTE:
1. THE ARCHITECT OR ENGINEER OF RECORD MUST ENGINEER THE BUCK AND FRAME ANCHORING FOR THE GEOMETRIC SHAPES THAT DO NOT HAVE ANCHORING SHOWN IN THIS DRAWING.
 2. GEOMETRIC SHAPES MUST FIT WITHIN THE BOUNDING BOX DIMENSIONS OF 72" x 96" OR 96" x 72" OR 54" x 120" OR 120" x 54".
 3. WHEN MULLING THE RECTANGULAR OR SQUARE SERIES 13 TO A GEOMETRIC SHAPE, ONLY MULL TO THE SIDE DESIGNATED BY  AS SHOWN ON THIS SHEET.



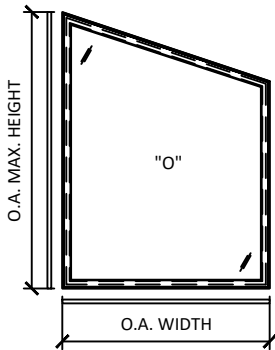
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WINDOW WIDTH AND HEIGHT ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM QUALIFIED SQUARE FOOT AREA.



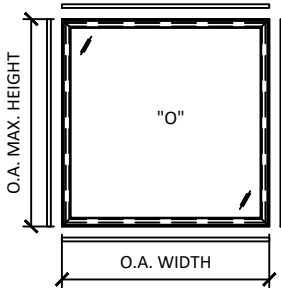
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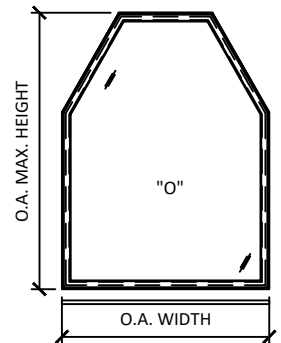
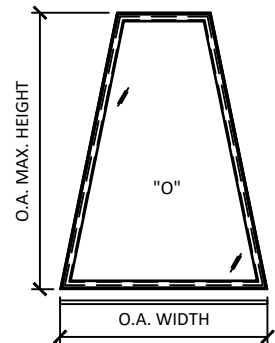
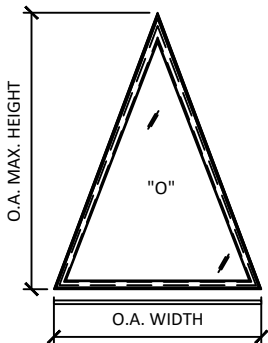
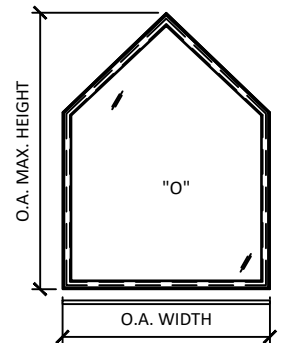
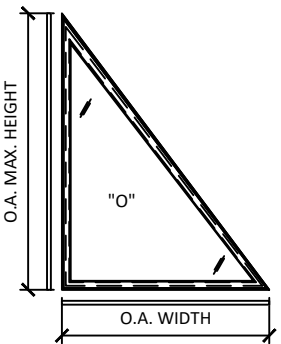
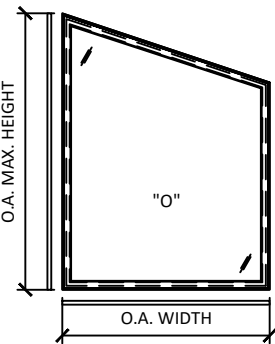
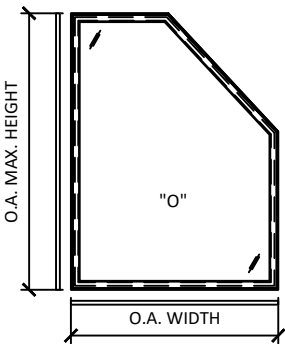
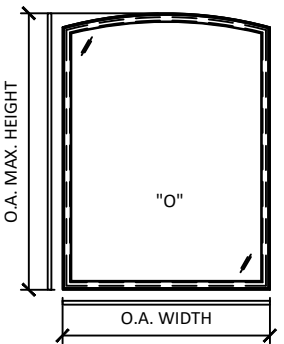
RADIUS



TRAPEZOID



SQUARE



ALLOWABLE SHAPES



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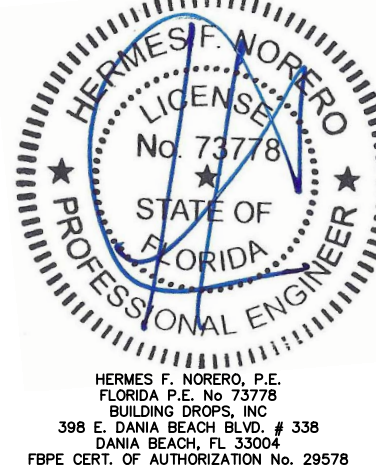
TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)
ELEVATIONS AND QUALIFIED
CONFIGURATIONS

PREPARED BY:

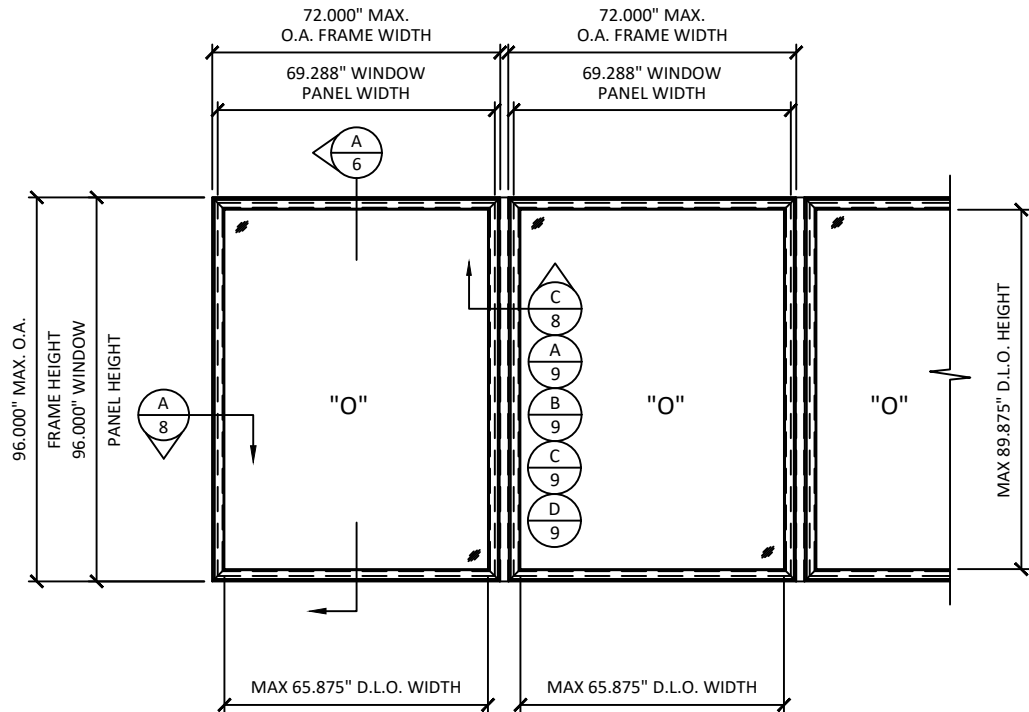
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398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

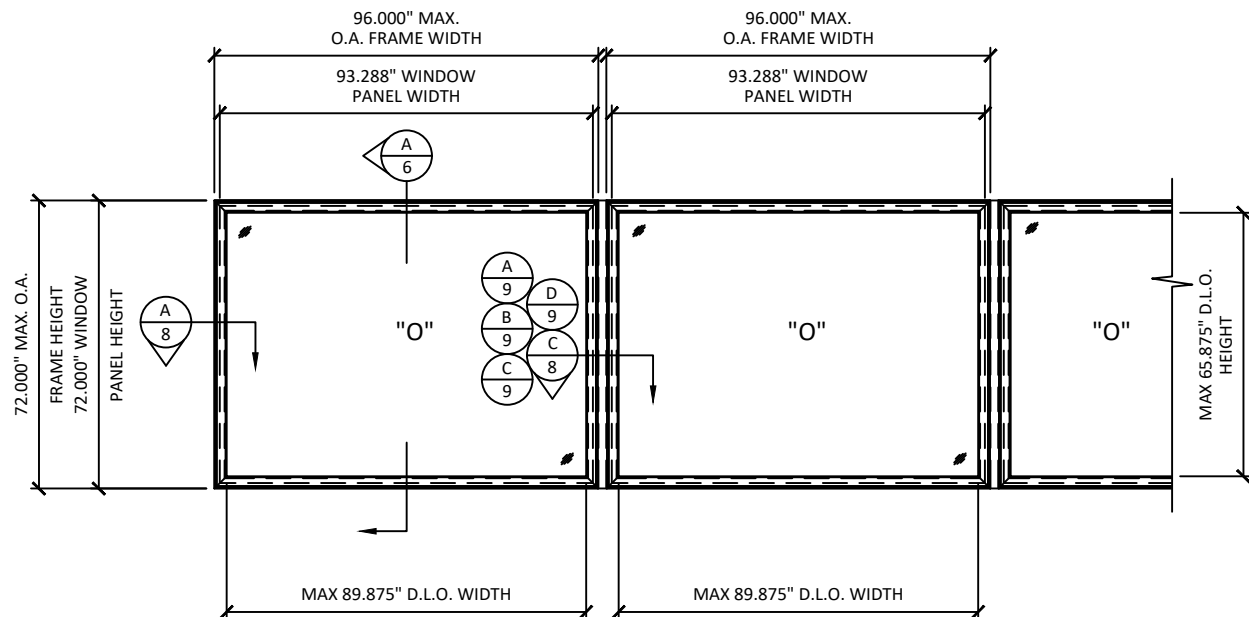
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RV	HFN
SCALE:	NTS
DWG. #:	AWD211
SHEET:	2



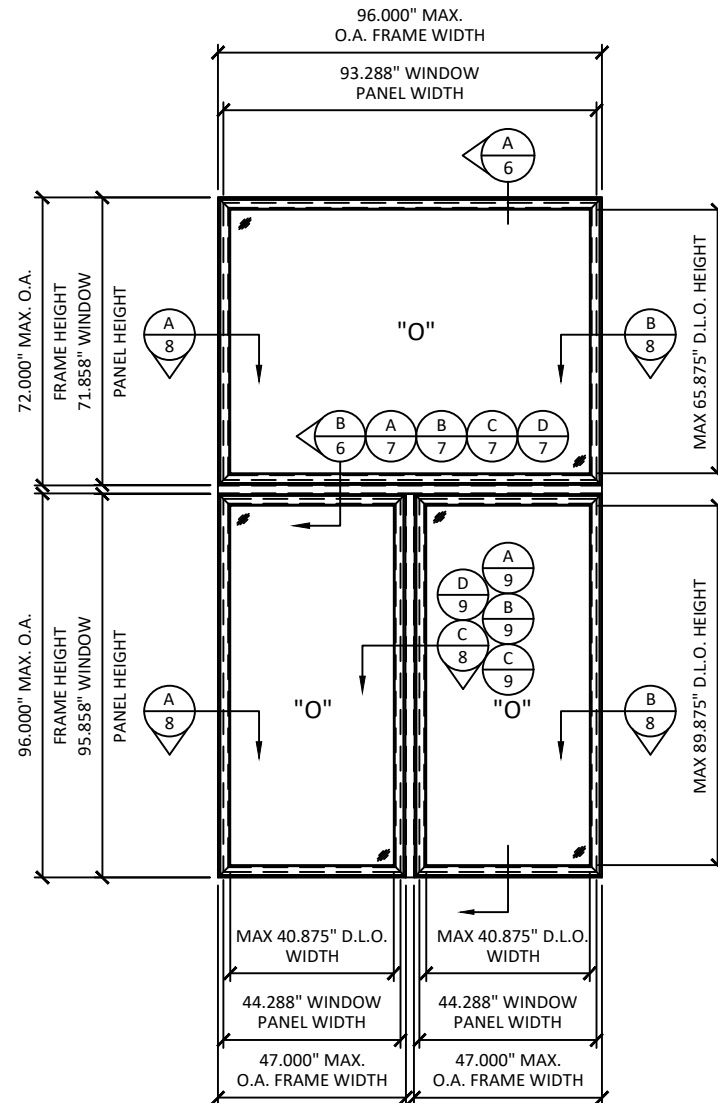
ELEVATION
MULLED UNITS (WITH 2" MULLION)
HORIZONTAL CONFIGURATION



ELEVATION
MULLED UNITS (WITH 2" MULLION)
HORIZONTAL CONFIGURATION

NOTE:

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



ELEVATION
MULLED UNITS (WITH 2" MULLION)
HORIZONTAL WITH TRANSOM CONFIGURATION



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TITLE: E-SERIES FIXED CASEMENT WINDOW -
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(NON-IMPACT)
MULLED ELEVATIONS

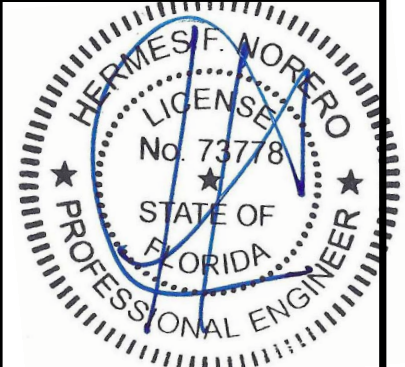
PREPARED BY:
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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
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398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL24230

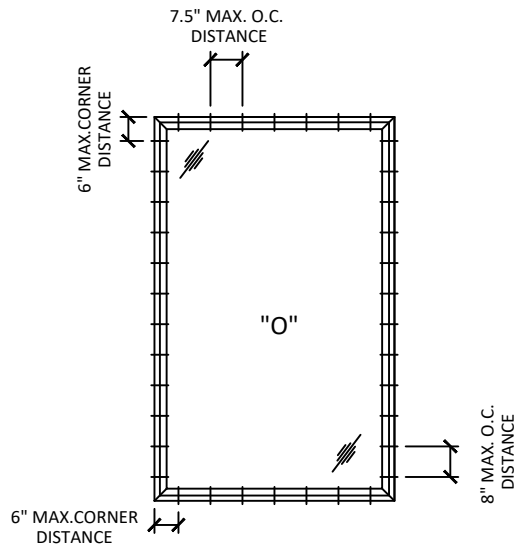
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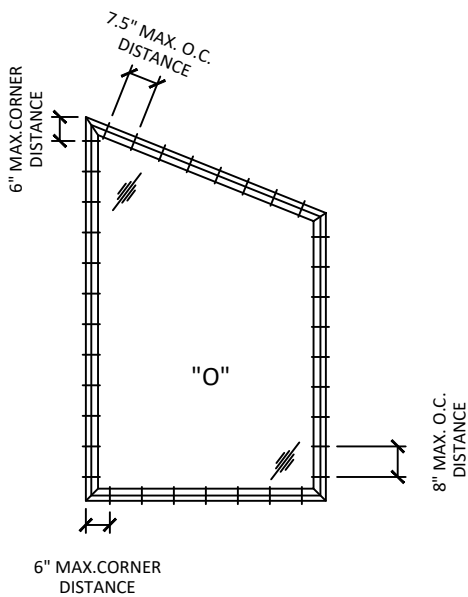
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DWG. #: **AWD211**

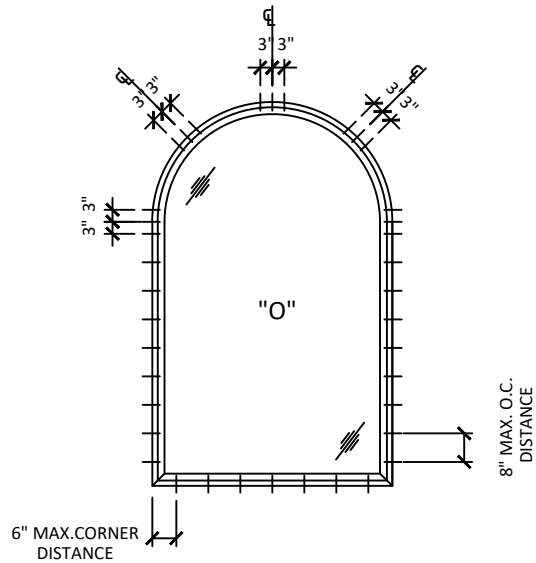
SHEET:
3



STRAP/FASTENER THROUGH FRAME ANCHORING
RETANGULAR/SQUARE SINGLE UNIT



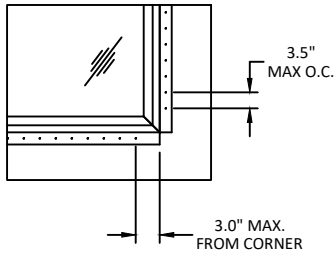
STRAP/FASTENER THROUGH FRAME ANCHORING
TRAPEZOID SINGLE UNIT



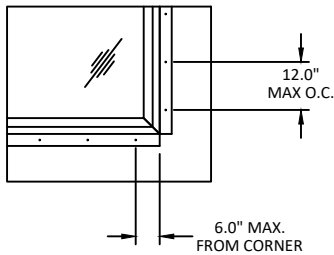
STRAP/FASTENER THROUGH FRAME ANCHORING
RADIUS SINGLE UNIT

NOTE:

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VINYL FIN 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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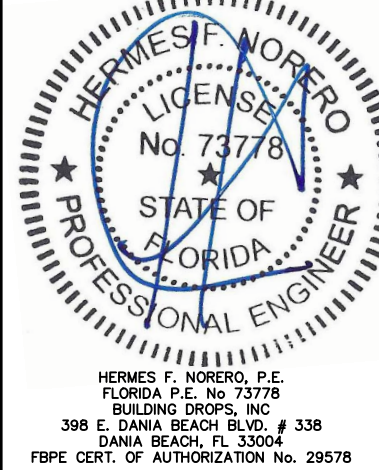
TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)
ANCHOR LAYOUTS

PREPARED BY:

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REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

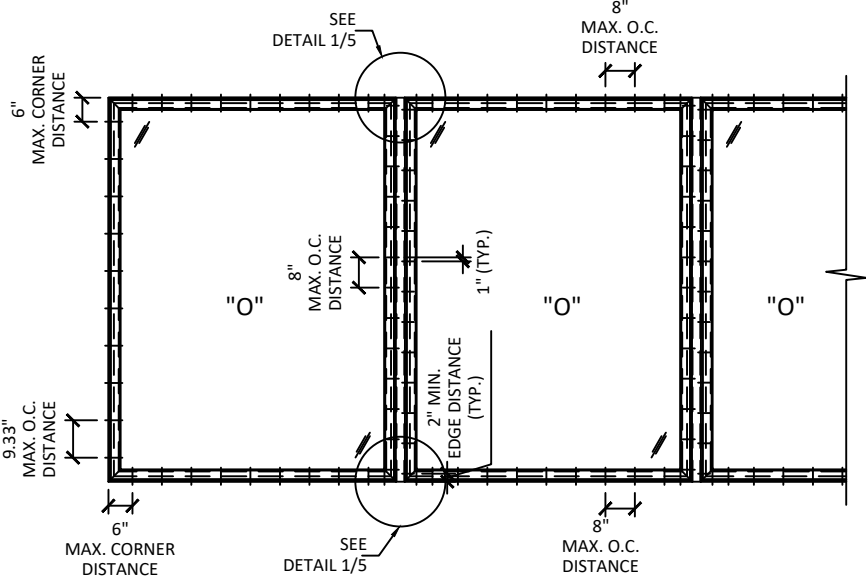
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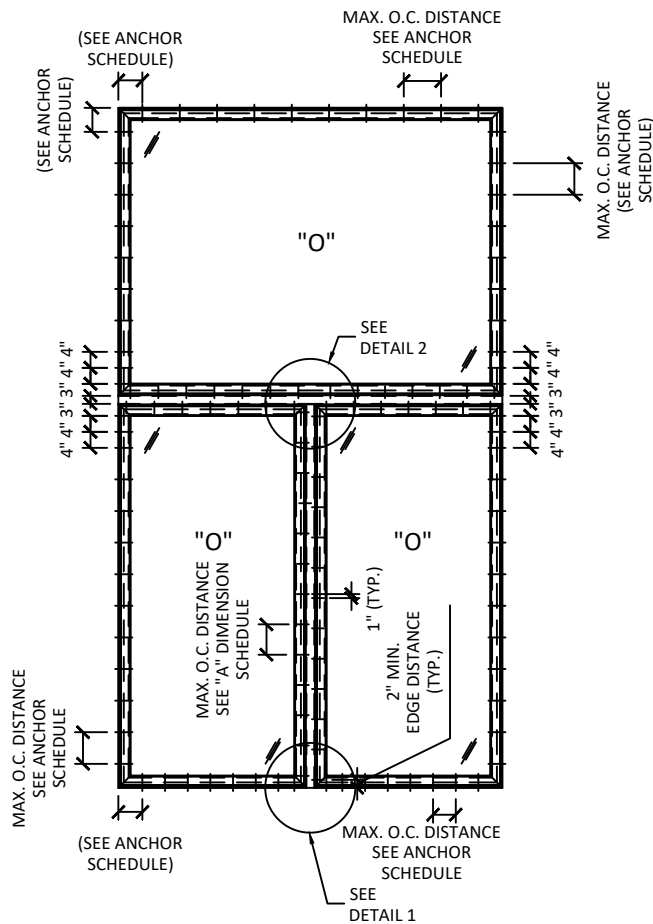
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DWG. BY:	CHK. BY:	
RV	HFN	
SCALE:		NTS
DWG. #:		AWD211
SHEET:		

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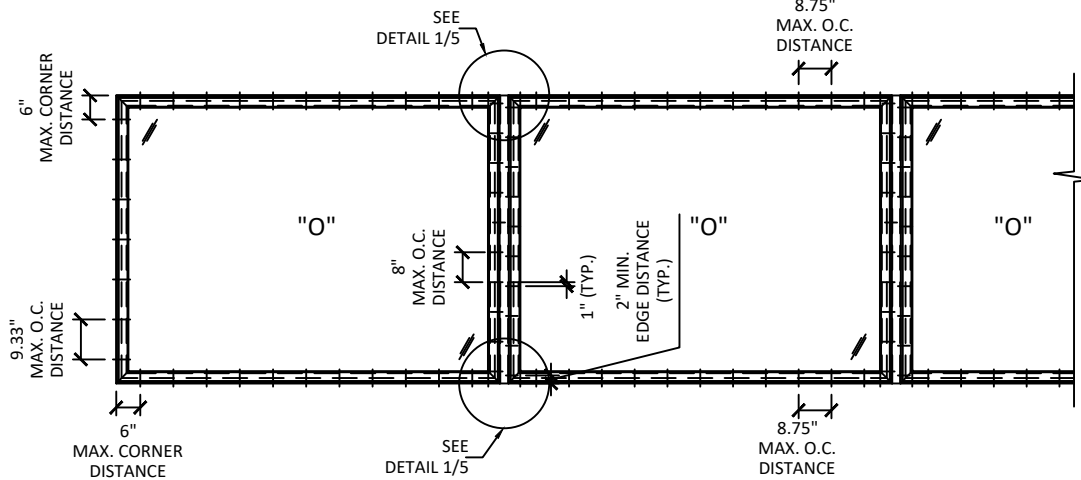
**STRAP/FASTENER THROUGH FRAME
ANCHORING**

MULLED UNIT (2" MULLION) HORIZONTAL CONFIGURATION



**STRAP/FASTENER THROUGH FRAME
ANCHORING**

MULLED UNIT (2" MULLION) HORIZONTAL WITH TRANSOM
CONFIGURATION

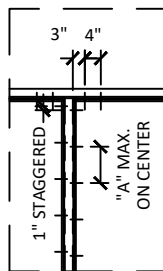


**STRAP/FASTENER THROUGH FRAME
ANCHORING**

MULLED UNIT (2" MULLION) HORIZONTAL CONFIGURATION

NOTE:

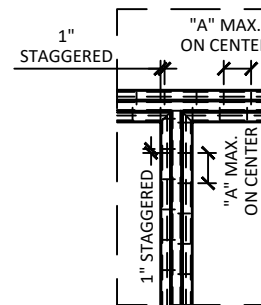
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QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES, SEE SHEET 10



DETAIL 1

DESIGN PRESSURE	"A" DIMENSION
UP TO 60 PSF	9" MAX. O.C.
UP TO 70 PSF	8" MAX. O.C.
UP TO 80 PSF	7" MAX. O.C.

OPTIONAL SCREW ASSEMBLY OF MULLION



DETAIL 2

DESIGN PRESSURE	"A" DIMENSION
UP TO 60 PSF	9" MAX. O.C.
UP TO 70 PSF	8" MAX. O.C.
UP TO 80 PSF	7" MAX. O.C.

OPTIONAL SCREW ASSEMBLY OF MULLION



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DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)
MULLED ANCHOR LAYOUTS

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

FL #:
FL24230

DATE: **10.12.17**

DWG. BY: **RV** CHK. BY: **HFN**

SCALE: **NTS**

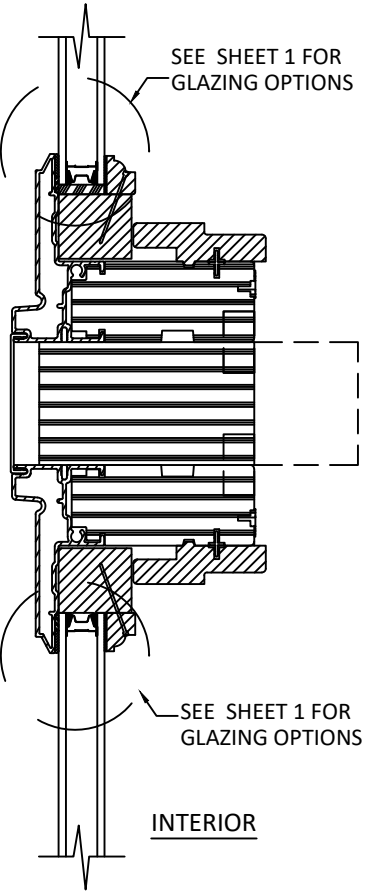
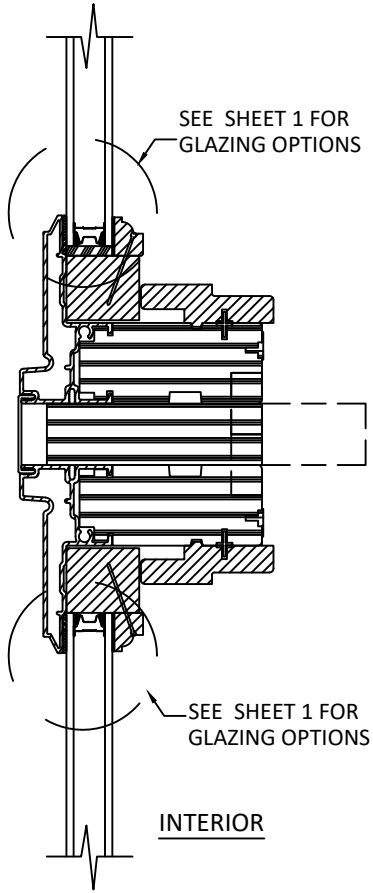
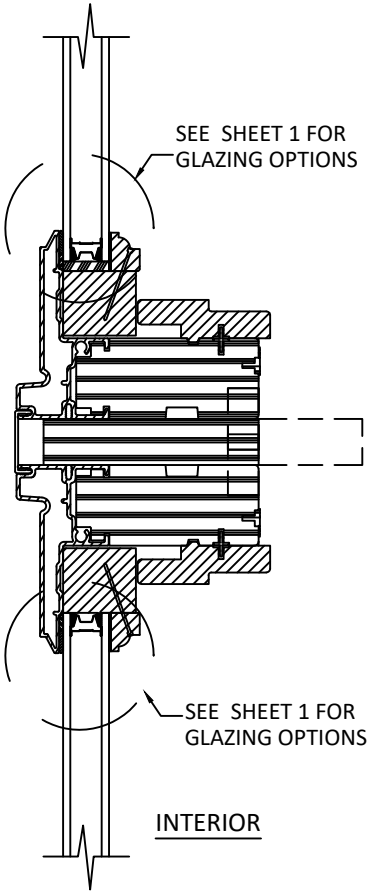
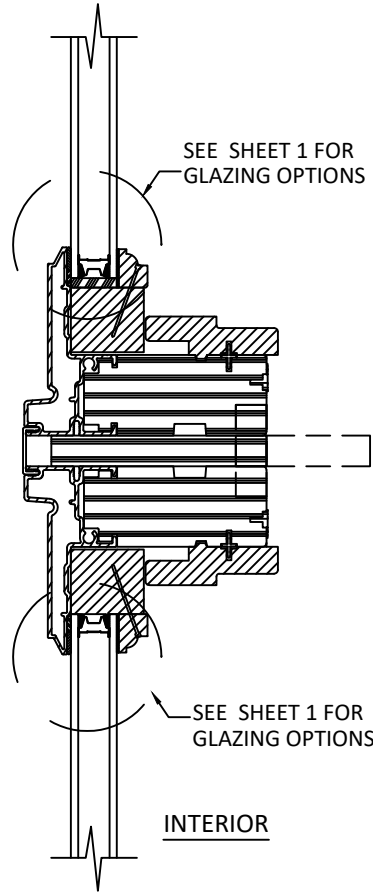
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SHEET:

5

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s:\projects\andersen windows\lbc-19-0548-2 - fbc submittal - e-series mullion revisions\dwgs\174230.4 & 5\awd211 - fl15440-series 13 casement fixed-non-impact-(n-hvz).dwg 8/15/2019 10:19 AM



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



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

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)
MULLED VERTICAL 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

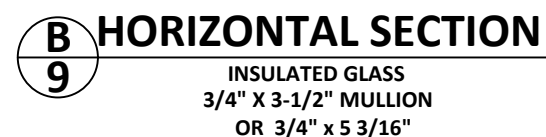
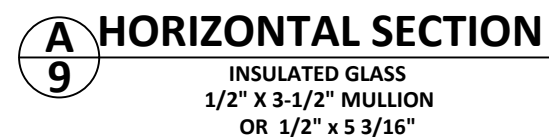
REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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.

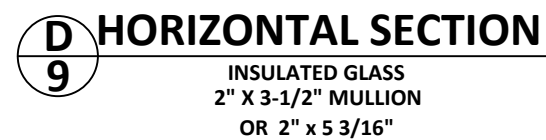
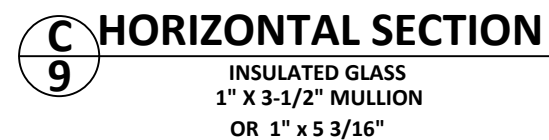


HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:	FL24230
DATE:	10.12.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD211
SHEET:	7

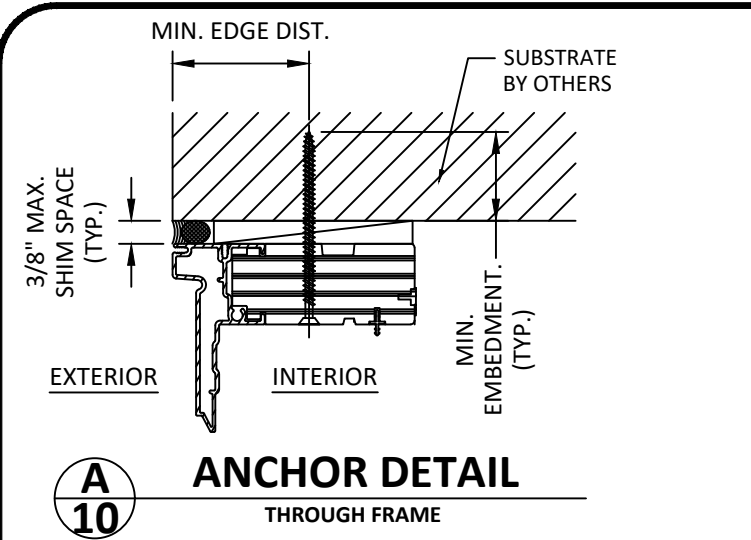


NOTE : LVL MULLS BETWEEN JAMBS MAY BE 3 1/2" OR 5 3/16" IN DEPTH AS REPRESENTED BY DASHED LINES

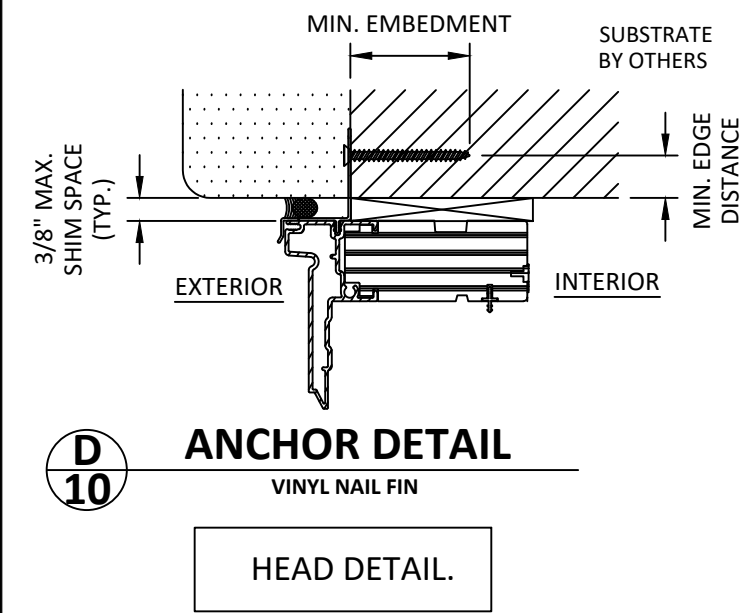


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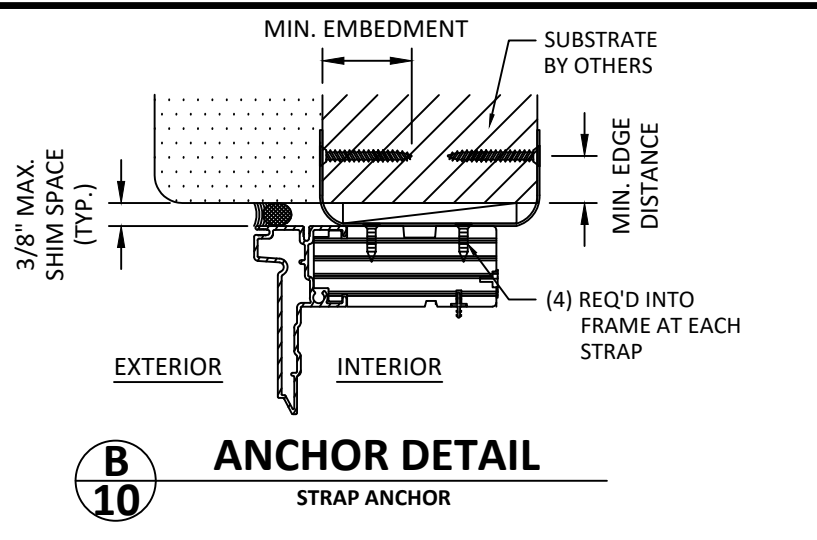
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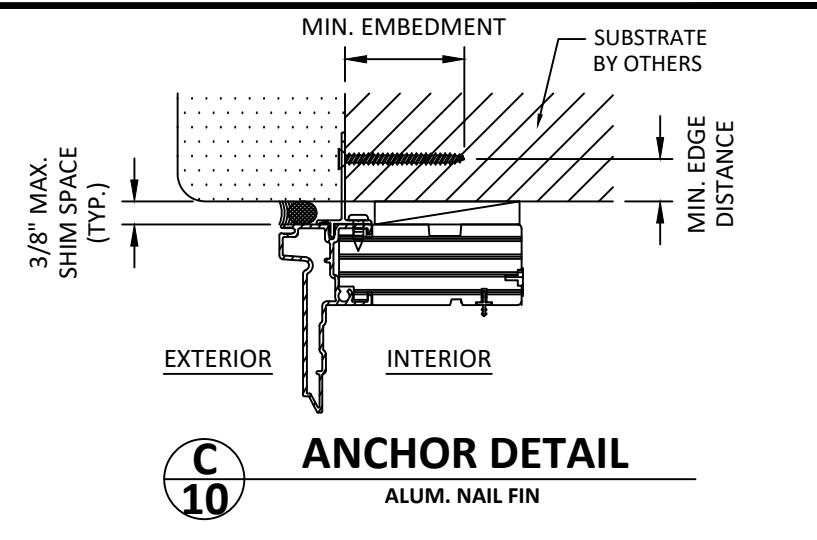
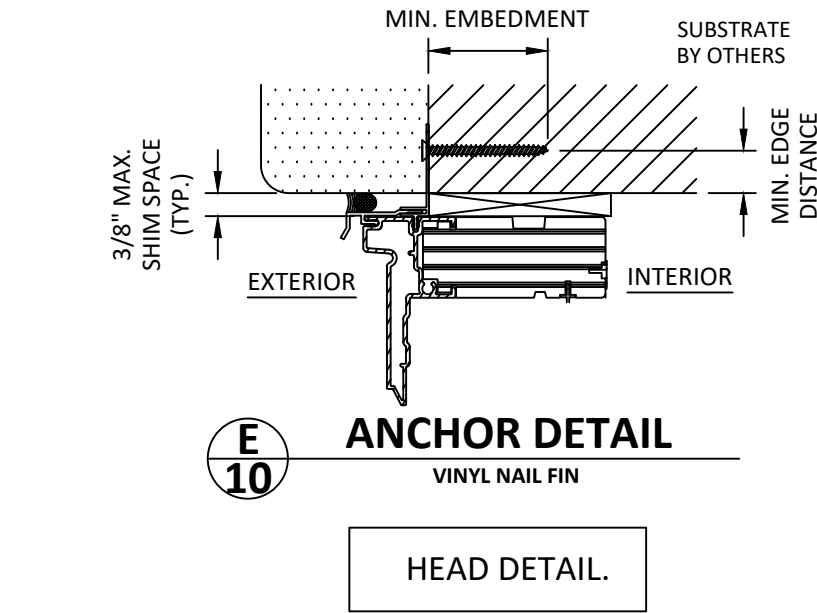
SILL & JAMB HAVE A SIMILAR DETAIL.



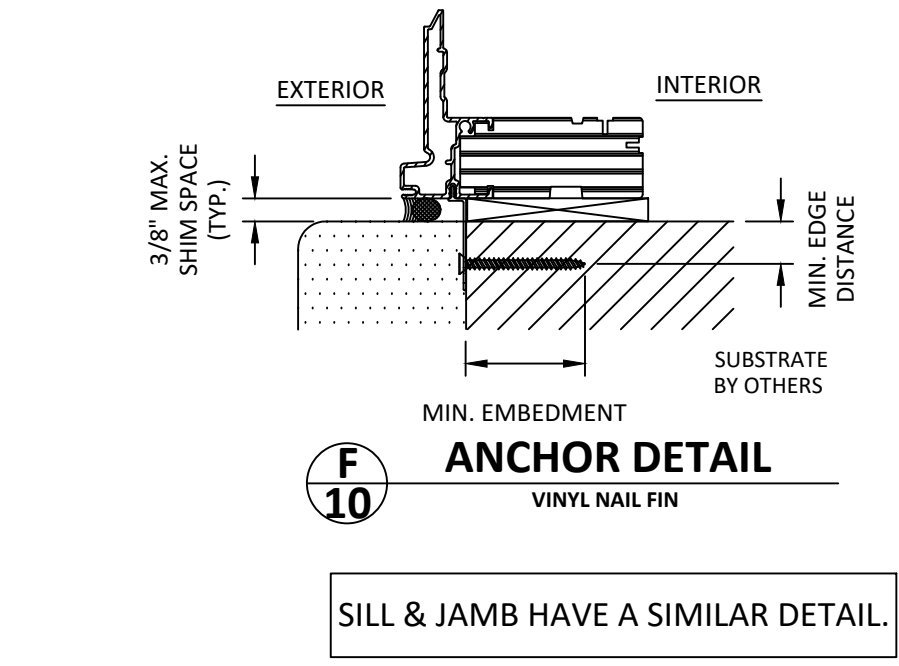
- INSTALLATION NOTES:**
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
 - THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
 - INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
 - MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
 - SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
 - INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
 - 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.
 - 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.



SILL & JAMB HAVE A SIMILAR DETAIL.



SILL & JAMB HAVE A SIMILAR DETAIL.



SILL & JAMB HAVE A SIMILAR DETAIL.

ANCHOR SCHEDULE					
INSTALLATION TYPE	QTY PER LOCATION	SUBSTRATE	ANCHOR TYPE	EMBEDMENT (IN.)	EDGE DISTANCE (IN.)
STRAP	1	WOOD	#8 WOOD ANCHOR	1.50	0.75
	1	CONCRETE/ MASONRY	3/16" ITW TAPCON	1.25	2.50
	1	METAL STUD	#8 SELF-TAPPING SCREW	3 THREADS	N/A
THRU FRAME	1	WOOD	#10 WOOD ANCHOR	1.50	0.75
	1	CONCRETE/ MASONRY	3/16" ITW TAPCON	1.25	2.50
	1	METAL STUD	#10 SELF-TAPPING SCREW	3 THREADS	N/A
NAILING FLANGE	1	WOOD	11 GA. ROOFING NAIL	1.50	0.75
	1	WOOD	#8 WOOD ANCHOR	1.50	0.75
	1	METAL STUD	#8 SELF-TAPPING SCREW	3 THREADS	N/A

100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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TITLE: E-SERIES FIXED CASEMENT WINDOW - DIRECT SET (1-PC FRAME) (NON-HVHZ) (NON-IMPACT)
ANCHOR DETAILS

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

REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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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 #:

FL24230

DATE: 10.12.17

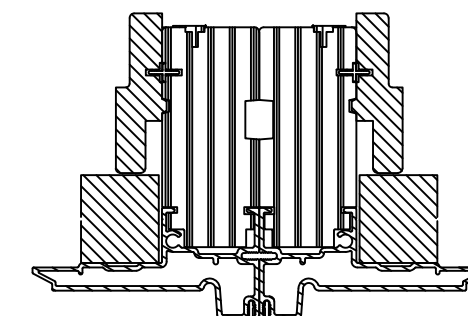
DWG. BY: RV	CHK. BY: HFN
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SCALE: NTS

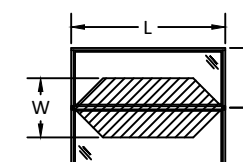
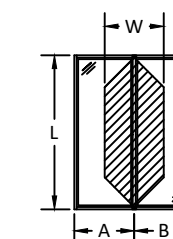
DWG. #: AWD211

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	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
30.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
36.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
42.0	69.79	54.93	53.33	53.33	53.33	53.33	53.33	53.33	53.33	53.33	53.33	53.33	53.33	53.33	53.33
48.0	51.95	39.07	35.73	35.73	35.73	35.73	35.73	35.73	35.73	35.73	35.73	35.73	35.73	35.73	35.73
54.0	40.29	29.44	25.55	25.09	25.09	25.09	25.09	25.09	25.09	25.09	25.09	25.09	25.09	25.09	25.09
60.0	32.20	23.09	19.37	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29
66.0	26.36	18.64	15.29	13.91	13.74	13.74	13.74	13.74	13.74	13.74	13.74	13.74	13.74	13.74	13.74
72.0	21.99	15.39	12.42	11.02	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59	10.59
78.0	18.63	12.94	10.32	8.99	8.40	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
84.0	15.99	11.05	8.72	7.49	6.87	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
90.0	13.88	9.54	7.48	6.36	5.74	5.46	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42
96.0	12.17	8.33	6.49	5.47	4.88	4.57	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47
102.0	10.75	7.34	5.69	4.77	4.21	3.89	3.74	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72
108.0	9.57	6.52	5.04	4.19	3.68	3.37	3.19	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14
114.0	8.58	5.83	4.49	3.72	3.25	2.94	2.76	2.68	2.67	2.67	2.67	2.67	2.67	2.67	2.67
120.0	7.73	5.24	4.03	3.32	2.89	2.60	2.42	2.32	2.29	2.29	2.29	2.29	2.29	2.29	2.29
126.0	7.00	4.74	3.63	2.99	2.58	2.32	2.14	2.03	1.98	1.98	1.98	1.98	1.98	1.98	1.98
132.0	6.37	4.31	3.30	2.71	2.33	2.08	1.91	1.80	1.74	1.72	1.72	1.72	1.72	1.72	1.72
138.0	5.82	3.93	3.00	2.46	2.11	1.88	1.72	1.61	1.54	1.51	1.50	1.50	1.50	1.50	1.50
144.0	5.34	3.61	2.75	2.25	1.92	1.70	1.55	1.45	1.38	1.34	1.32	1.32	1.32	1.32	1.32
150.0	4.92	3.32	2.53	2.06	1.76	1.56	1.41	1.31	1.24	1.20	1.17	1.17	1.17	1.17	1.17
156.0	4.55	3.06	2.33	1.90	1.62	1.43	1.29	1.19	1.12	1.08	1.05	1.04	1.04	1.04	1.04
162.0	4.21	2.84	2.15	1.75	1.49	1.31	1.18	1.09	1.02	0.98	0.95	0.93	0.93	0.93	0.93
168.0	3.92	2.63	2.00	1.62	1.38	1.21	1.09	1.00	0.94	0.89	0.86	0.84	0.83	0.83	0.83
174.0	3.65	2.45	1.86	1.51	1.28	1.12	1.01	0.92	0.86	0.82	0.78	0.76	0.75	0.75	0.75
180.0	3.41	2.29	1.74	1.41	1.19	1.04	0.94	0.86	0.79	0.75	0.72	0.70	0.68	0.68	0.68
186.0	3.19	2.14	1.62	1.31	1.11	0.97	0.87	0.79	0.74	0.69	0.66	0.64	0.62	0.62	0.61
192.0	2.95	1.98	1.51	1.22	1.04	0.91	0.81	0.74	0.68	0.64	0.61	0.59	0.57	0.56	0.56



ZERO MULLION PROFILE



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

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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS LISTED ON SHEET 10.
- 6) $\text{TRIBUTARY WIDTH} = W = (A+B)/2$
- 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.



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BAYPORT, MN 55003-1096
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TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)

ZERO MULLION LOADS TABLE
ONE WAY

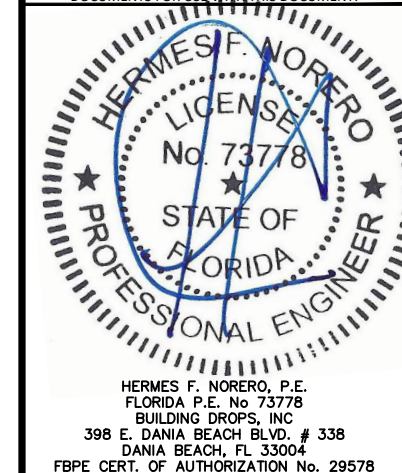
PREPARED BY:



BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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FL #:

FL24230

DATE: 10.12.17

DWG. BY: RV	CHK. BY: HFN
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SCALE: NTS

DWG. #: AWD211

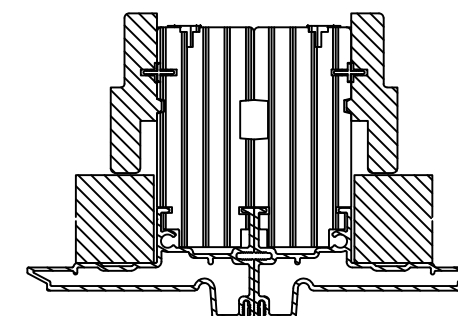
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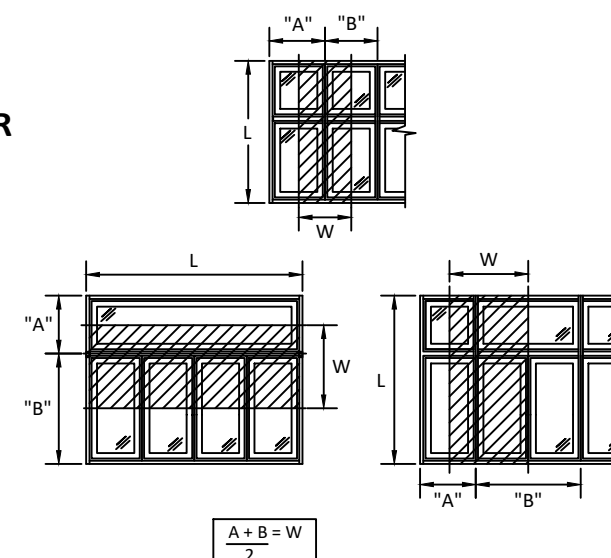
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
ZERO STRUCTURAL MULLION (TWO-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	63.52	54.45	47.64	42.35	38.11	34.65	31.76	29.32	27.22	25.41	23.82
30.0	75.00	75.00	60.98	48.78	40.65	34.85	30.49	27.10	24.39	22.17	20.33	18.76	17.42	16.26	15.24
36.0	75.00	56.46	42.35	33.88	28.23	24.20	21.17	18.82	16.94	15.40	14.12	13.03	12.10	11.29	10.59
42.0	62.22	41.48	31.11	24.89	20.74	17.78	15.56	13.83	12.44	11.31	10.37	9.57	8.89	8.30	7.78
48.0	47.64	31.76	23.82	19.06	15.88	13.61	11.91	10.59	9.53	8.66	7.94	7.33	6.81	6.35	5.96
54.0	37.64	25.09	18.82	15.06	12.55	10.75	9.41	8.36	7.53	6.84	6.27	5.79	5.38	5.02	4.71
60.0	30.49	20.33	15.24	12.20	10.16	8.71	7.62	6.78	6.10	5.54	5.08	4.69	4.36	4.07	3.81
66.0	25.20	16.80	12.60	10.08	8.40	7.20	6.30	5.60	5.04	4.58	4.20	3.88	3.60	3.36	3.15
72.0	21.17	14.12	10.59	8.47	7.06	6.05	5.29	4.71	4.23	3.85	3.53	3.26	3.02	2.82	2.65
78.0	18.04	12.03	9.02	7.22	6.01	5.15	4.51	4.01	3.61	3.28	3.01	2.78	2.58	2.41	2.26
84.0	15.56	10.37	7.78	6.22	5.19	4.44	3.89	3.46	3.11	2.83	2.59	2.39	2.22	2.07	1.94
90.0	13.55	9.03	6.78	5.42	4.52	3.87	3.39	3.01	2.71	2.46	2.26	2.08	1.94	1.81	1.69
96.0	11.91	7.94	5.96	4.76	3.97	3.40	2.98	2.65	2.38	2.17	1.99	1.83	1.70	1.59	1.49
102.0	10.55	7.03	5.28	4.22	3.52	3.01	2.64	2.34	2.11	1.92	1.76	1.62	1.51	1.41	1.32
108.0	9.41	6.27	4.71	3.76	3.14	2.69	2.35	2.09	1.88	1.71	1.57	1.45	1.34	1.25	1.18
114.0	8.45	5.63	4.22	3.38	2.82	2.41	2.11	1.88	1.69	1.54	1.41	1.30	1.21	1.13	1.06
120.0	7.62	5.08	3.81	3.05	2.54	2.18	1.91	1.69	1.52	1.39	1.27	1.17	1.09	1.02	0.95
126.0	6.91	4.61	3.46	2.77	2.30	1.98	1.73	1.54	1.38	1.26	1.15	1.06	0.99	0.92	0.86
132.0	6.30	4.20	3.15	2.52	2.10	1.80	1.57	1.40	1.26	1.15	1.05	0.97	0.90	0.84	0.79
138.0	5.76	3.84	2.88	2.31	1.92	1.65	1.44	1.28	1.15	1.05	0.96	0.89	0.82	0.77	0.72
144.0	5.29	3.53	2.65	2.12	1.76	1.51	1.32	1.18	1.06	0.96	0.88	0.81	0.76	0.71	0.66
150.0	4.88	3.25	2.44	1.95	1.63	1.39	1.22	1.08	0.98	0.89	0.81	0.75	0.70	0.65	0.61
156.0	4.51	3.01	2.26	1.80	1.50	1.29	1.13	1.00	0.90	0.82	0.75	0.69	0.64	0.60	0.56
162.0	4.18	2.79	2.09	1.67	1.39	1.19	1.05	0.93	0.84	0.76	0.70	0.64	0.60	0.56	0.52
168.0	3.89	2.59	1.94	1.56	1.30	1.11	0.97	0.86	0.78	0.71	0.65	0.60	0.56	0.52	0.49
174.0	3.63	2.42	1.81	1.45	1.21	1.04	0.91	0.81	0.73	0.66	0.60	0.56	0.52	0.48	0.45
180.0	3.39	2.26	1.69	1.36	1.13	0.97	0.85	0.75	0.68	0.62	0.56	0.52	0.48	0.45	0.42
186.0	3.17	2.12	1.59	1.27	1.06	0.91	0.79	0.71	0.63	0.58	0.53	0.49	0.45	0.42	0.40
192.0	2.94	1.96	1.47	1.17	0.98	0.84	0.73	0.65	0.59	0.53	0.49	0.45	0.42	0.39	0.37

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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING 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.



ZERO MULLION PROFILE



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

**TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)**

(NON-IMPACT)
ZERO MULLION LOADS TABLE
TWO WAY

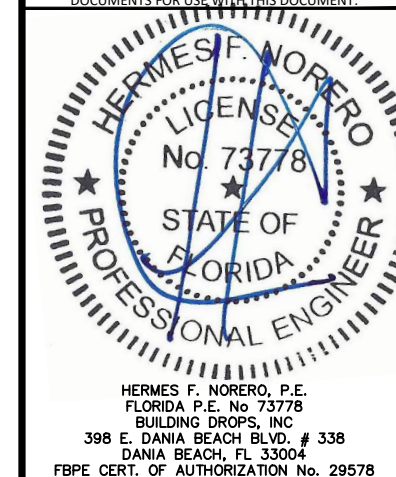
PREPARED BY:



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
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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



FL #:

FL24230

DATE: 10.12.17

DWG. BY: RV	CHK. BY: HFN
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SCALE: NTS

DWG. #: AWD211

SHEET:

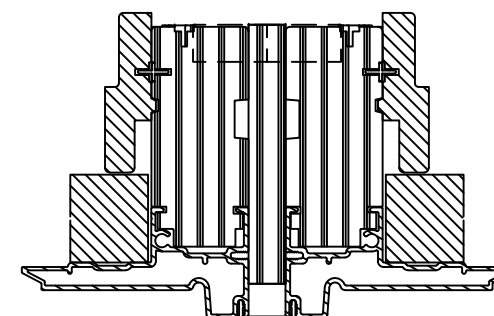
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OF 28

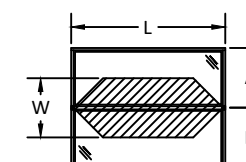
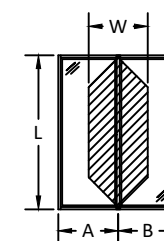
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
1/2" x 3-1/2" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
30.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
36.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
42.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
48.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
54.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
60.0	75.00	75.00	74.58	70.42	70.42	70.42	70.42	70.42	70.42	70.42	70.42	70.42	70.42	70.42	70.42
66.0	75.00	71.75	58.85	53.56	52.91	52.91	52.91	52.91	52.91	52.91	52.91	52.91	52.91	52.91	52.91
72.0	75.00	59.25	47.81	42.41	40.75	40.75	40.75	40.75	40.75	40.75	40.75	40.75	40.75	40.75	40.75
78.0	66.62	46.64	37.50	32.98	31.07	30.82	30.82	30.82	30.82	30.82	30.82	30.82	30.82	30.82	30.82
84.0	53.05	36.89	29.37	25.45	23.52	22.91	22.91	22.91	22.91	22.91	22.91	22.91	22.91	22.91	22.91
90.0	42.94	29.70	23.46	20.10	18.29	17.50	17.39	17.39	17.39	17.39	17.39	17.39	17.39	17.39	17.39
96.0	35.26	24.28	19.05	16.18	14.55	13.71	13.43	13.43	13.43	13.43	13.43	13.43	13.43	13.43	13.43
102.0	29.30	20.11	15.70	13.23	11.78	10.96	10.59	10.54	10.54	10.54	10.54	10.54	10.54	10.54	10.54
108.0	24.62	16.85	13.09	10.97	9.69	8.93	8.52	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39
114.0	20.89	14.26	11.04	9.20	8.08	7.38	6.97	6.78	6.75	6.75	6.75	6.75	6.75	6.75	6.75
120.0	17.88	12.17	9.40	7.80	6.81	6.18	5.79	5.57	5.50	5.50	5.50	5.50	5.50	5.50	5.50
126.0	15.42	10.48	8.07	6.68	5.80	5.23	4.86	4.65	4.54	4.53	4.53	4.53	4.53	4.53	4.53
132.0	13.39	9.09	6.98	5.76	4.98	4.47	4.13	3.92	3.80	3.76	3.76	3.76	3.76	3.76	3.76
138.0	11.71	7.93	6.08	5.00	4.32	3.86	3.55	3.34	3.22	3.15	3.15	3.15	3.15	3.15	3.15
144.0	10.29	6.96	5.33	4.38	3.76	3.35	3.07	2.87	2.75	2.68	2.65	2.65	2.65	2.65	2.65
150.0	9.10	6.15	4.70	3.85	3.30	2.93	2.67	2.49	2.37	2.30	2.26	2.25	2.25	2.25	2.25
156.0	8.08	5.46	4.16	3.41	2.91	2.58	2.34	2.18	2.06	1.99	1.94	1.93	1.93	1.93	1.93
162.0	7.21	4.86	3.71	3.03	2.59	2.28	2.07	1.91	1.80	1.73	1.68	1.66	1.66	1.66	1.66
168.0	6.46	4.35	3.32	2.70	2.31	2.03	1.84	1.69	1.59	1.52	1.47	1.44	1.43	1.43	1.43
174.0	5.81	3.91	2.98	2.42	2.06	1.82	1.64	1.51	1.41	1.34	1.29	1.26	1.25	1.24	1.24
180.0	5.25	3.53	2.68	2.18	1.86	1.63	1.47	1.35	1.26	1.19	1.14	1.11	1.09	1.09	1.09
186.0	4.75	3.20	2.43	1.97	1.68	1.47	1.32	1.21	1.12	1.06	1.02	0.99	0.97	0.95	0.95
192.0	4.32	2.90	2.20	1.79	1.52	1.33	1.19	1.09	1.01	0.95	0.91	0.88	0.86	0.84	0.84

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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING 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.



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



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



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

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)

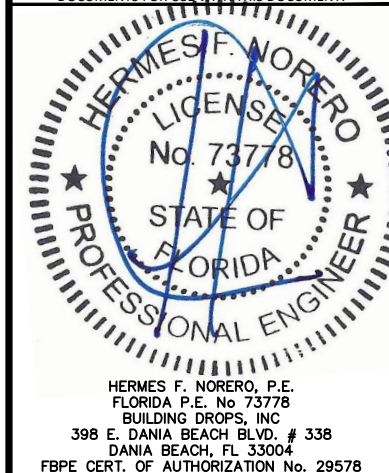
1/2"X3-1/2" MULLION LOADS TABLE
ONE WAY
(NO IN-HIMPACT)

PREPARED BY:

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

REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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FL #: **FL24230**

DATE: 10.12.17

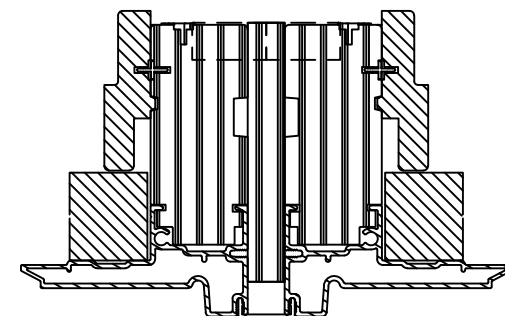
DWG. BY: RV	CHK. BY: HFN
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SCALE: NTS

DWG. #: AWD211

SHEET: 13

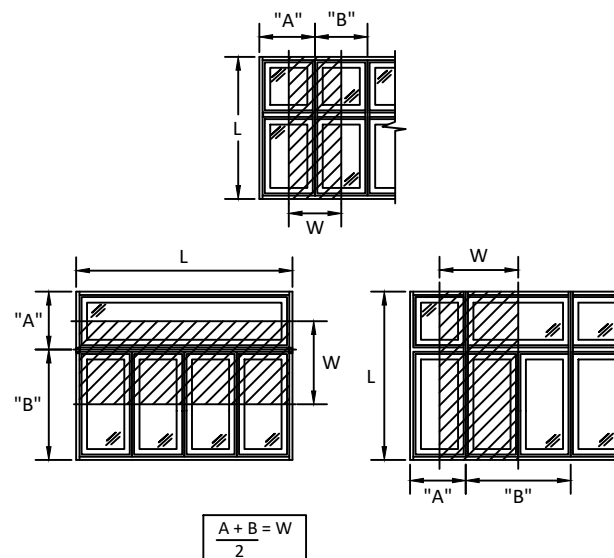
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
1/2" X 3-1/2" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	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	64.10	42.74	32.05	25.64	21.37	18.32	16.03	14.25	12.82	11.66	10.68	9.86	9.16	8.55	8.01
84.0	51.33	34.22	25.66	20.53	17.11	14.66	12.83	11.41	10.27	9.33	8.55	7.90	7.33	6.84	6.42
90.0	41.73	27.82	20.86	16.69	13.91	11.92	10.43	9.27	8.35	7.59	6.95	6.42	5.96	5.56	5.22
96.0	34.38	22.92	17.19	13.75	11.46	9.82	8.60	7.64	6.88	6.25	5.73	5.29	4.91	4.58	4.30
102.0	28.67	19.11	14.33	11.47	9.56	8.19	7.17	6.37	5.73	5.21	4.78	4.41	4.10	3.82	3.58
108.0	24.15	16.10	12.07	9.66	8.05	6.90	6.04	5.37	4.83	4.39	4.02	3.72	3.45	3.22	3.02
114.0	20.53	13.69	10.27	8.21	6.84	5.87	5.13	4.56	4.11	3.73	3.42	3.16	2.93	2.74	2.57
120.0	17.60	11.74	8.80	7.04	5.87	5.03	4.40	3.91	3.52	3.20	2.93	2.71	2.51	2.35	2.20
126.0	15.21	10.14	7.60	6.08	5.07	4.35	3.80	3.38	3.04	2.77	2.53	2.34	2.17	2.03	1.90
132.0	13.23	8.82	6.61	5.29	4.41	3.78	3.31	2.94	2.65	2.40	2.20	2.03	1.89	1.76	1.65
138.0	11.58	7.72	5.79	4.63	3.86	3.31	2.89	2.57	2.32	2.10	1.93	1.78	1.65	1.54	1.45
144.0	10.19	6.79	5.09	4.08	3.40	2.91	2.55	2.26	2.04	1.85	1.70	1.57	1.46	1.36	1.27
150.0	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
156.0	8.01	5.34	4.01	3.21	2.67	2.29	2.00	1.78	1.60	1.46	1.34	1.23	1.14	1.07	1.00
162.0	7.16	4.77	3.58	2.86	2.39	2.04	1.79	1.59	1.43	1.30	1.19	1.10	1.02	0.95	0.89
168.0	6.42	4.28	3.21	2.57	2.14	1.83	1.60	1.43	1.28	1.17	1.07	0.99	0.92	0.86	0.80
174.0	5.77	3.85	2.89	2.31	1.92	1.65	1.44	1.28	1.15	1.05	0.96	0.89	0.82	0.77	0.72
180.0	5.22	3.48	2.61	2.09	1.74	1.49	1.30	1.16	1.04	0.95	0.87	0.80	0.75	0.70	0.65
186.0	4.73	3.15	2.36	1.89	1.58	1.35	1.18	1.05	0.95	0.86	0.79	0.73	0.68	0.63	0.59
192.0	4.30	2.87	2.15	1.72	1.43	1.23	1.07	0.96	0.86	0.78	0.72	0.66	0.61	0.57	0.54



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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS LISTED ON SHEET 10.
- 6) TRIBUTARY WIDTH = $W = (A+B)/2$
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100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)

1/2" X 3-1/2" MULLION LOADS TABLE
TWO WAY

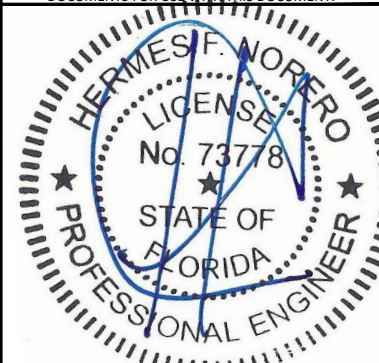
PREPARED BY:

BUILDING DROPS, INC.
E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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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 #:

FL24230

DATE: 10.12.17

DWG. BY: RV	CHK. BY: HFN
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SCALE: NTS

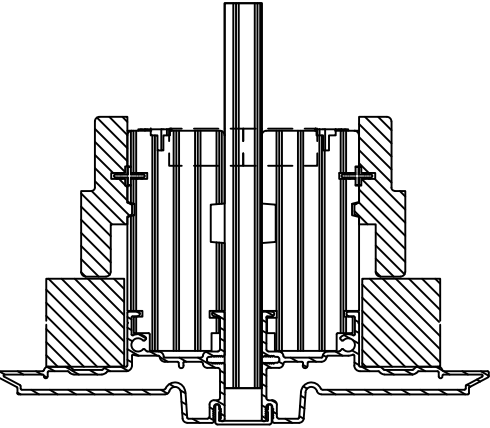
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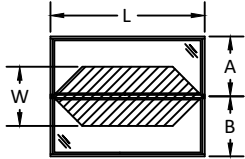
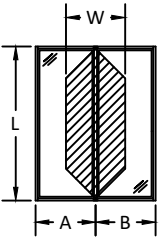
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MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
1/2" X 5-3/16" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
30.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
36.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
42.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
48.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
54.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
60.0	75.00	75.00	75.00	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88
66.0	75.00	75.00	66.86	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	75.00	69.33	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	75.00	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	75.00	56.73	46.80	41.43	38.29	37.30	37.30	37.30	37.30	37.30	37.30	37.30	37.30	37.30	37.30
90.0	69.91	48.35	38.18	32.71	29.78	28.48	28.30	28.30	28.30	28.30	28.30	28.30	28.30	28.30	28.30
96.0	57.39	39.53	31.01	26.33	23.68	22.31	21.86	21.86	21.86	21.86	21.86	21.86	21.86	21.86	21.86
102.0	47.70	32.74	25.55	21.54	19.18	17.85	17.24	17.16	17.16	17.16	17.16	17.16	17.16	17.16	17.16
108.0	40.09	27.42	21.31	17.86	15.78	14.53	13.87	13.65	13.65	13.65	13.65	13.65	13.65	13.65	13.65
114.0	34.01	23.21	17.97	14.98	13.15	12.01	11.35	11.04	11.00	11.00	11.00	11.00	11.00	11.00	11.00
120.0	29.11	19.82	15.30	12.70	11.09	10.06	9.42	9.08	8.96	8.96	8.96	8.96	8.96	8.96	8.96
126.0	25.10	17.06	13.14	10.87	9.44	8.52	7.92	7.56	7.39	7.37	7.37	7.37	7.37	7.37	7.37
132.0	21.80	14.79	11.36	9.37	8.11	7.28	6.73	6.38	6.19	6.12	6.12	6.12	6.12	6.12	6.12
138.0	19.06	12.91	9.90	8.14	7.03	6.28	5.77	5.44	5.23	5.14	5.12	5.12	5.12	5.12	5.12
144.0	16.76	11.34	8.68	7.12	6.13	5.45	4.99	4.68	4.47	4.36	4.32	4.32	4.32	4.32	4.32
150.0	14.81	10.01	7.65	6.27	5.38	4.77	4.35	4.06	3.86	3.74	3.68	3.67	3.67	3.67	3.67
156.0	13.16	8.88	6.78	5.54	4.75	4.20	3.82	3.54	3.36	3.23	3.16	3.14	3.14	3.14	3.14
162.0	11.74	7.92	6.04	4.93	4.21	3.72	3.37	3.12	2.94	2.82	2.74	2.70	2.70	2.70	2.70
168.0	10.52	7.09	5.40	4.40	3.75	3.31	2.99	2.76	2.59	2.47	2.39	2.35	2.33	2.33	2.33
174.0	9.46	6.37	4.85	3.95	3.36	2.96	2.66	2.45	2.29	2.18	2.10	2.05	2.03	2.03	2.03
180.0	8.54	5.75	4.37	3.55	3.02	2.65	2.39	2.19	2.04	1.94	1.86	1.81	1.78	1.77	1.77
186.0	7.74	5.21	3.95	3.21	2.73	2.39	2.15	1.97	1.83	1.73	1.66	1.60	1.57	1.55	1.55
192.0	7.03	4.73	3.59	2.91	2.47	2.16	1.94	1.77	1.65	1.55	1.48	1.43	1.39	1.37	1.37



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



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

- 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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
 - 5) MULLION CHART APPLIES TO THE FOLLOWING 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.



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

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)

1/2" X 5-3/16" MULLION LOADS TABLE
ONE WAY

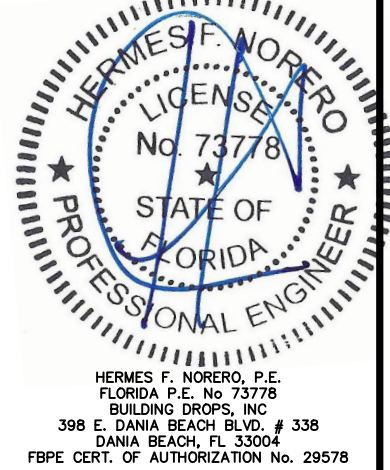
PREPARED BY:

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
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

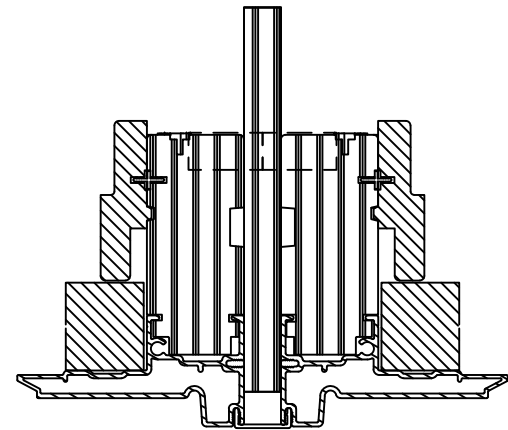
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



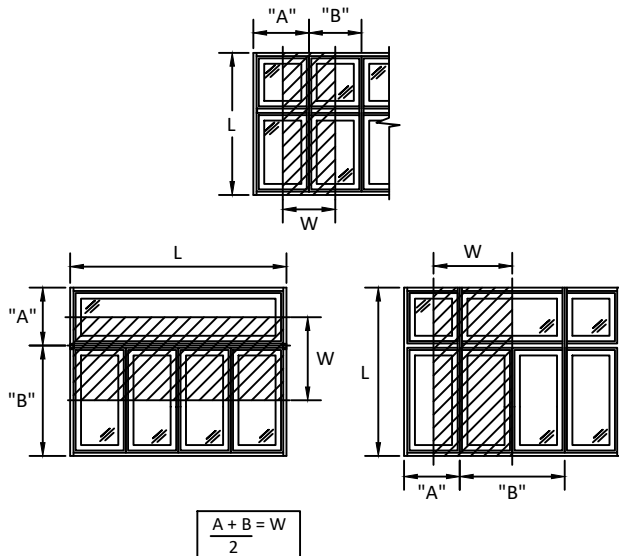
FL #:	FL24230
DATE:	10.12.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD211
SHEET:	15

s:\projects\andersen windows\lbc-19-0548-2 - fbc submittal - e-series mullion revisions\dwgs\174230.4 & 5\lwd211 - fl15440-series 13 casement fixed-non-impact-(n-hvz).dwg

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	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	55.97	37.32	27.99	22.39	18.66	15.99	13.99	12.44	11.19	10.18	9.33	8.61	8.00	7.46	7.00
102.0	46.67	31.11	23.33	18.67	15.56	13.33	11.67	10.37	9.33	8.48	7.78	7.18	6.67	6.22	5.83
108.0	39.31	26.21	19.66	15.72	13.10	11.23	9.83	8.74	7.86	7.15	6.55	6.05	5.62	5.24	4.91
114.0	33.43	22.28	16.71	13.37	11.14	9.55	8.36	7.43	6.69	6.08	5.57	5.14	4.78	4.46	4.18
120.0	28.66	19.11	14.33	11.46	9.55	8.19	7.16	6.37	5.73	5.21	4.78	4.41	4.09	3.82	3.58
126.0	24.76	16.50	12.38	9.90	8.25	7.07	6.19	5.50	4.95	4.50	4.13	3.81	3.54	3.30	3.09
132.0	21.53	14.35	10.77	8.61	7.18	6.15	5.38	4.78	4.31	3.91	3.59	3.31	3.08	2.87	2.69
138.0	18.84	12.56	9.42	7.54	6.28	5.38	4.71	4.19	3.77	3.43	3.14	2.90	2.69	2.51	2.36
144.0	16.58	11.06	8.29	6.63	5.53	4.74	4.15	3.69	3.32	3.02	2.76	2.55	2.37	2.21	2.07
150.0	14.67	9.78	7.34	5.87	4.89	4.19	3.67	3.26	2.93	2.67	2.45	2.26	2.10	1.96	1.83
156.0	13.04	8.70	6.52	5.22	4.35	3.73	3.26	2.90	2.61	2.37	2.17	2.01	1.86	1.74	1.63
162.0	11.65	7.77	5.82	4.66	3.88	3.33	2.91	2.59	2.33	2.12	1.94	1.79	1.66	1.55	1.46
168.0	10.44	6.96	5.22	4.18	3.48	2.98	2.61	2.32	2.09	1.90	1.74	1.61	1.49	1.39	1.31
174.0	9.40	6.27	4.70	3.76	3.13	2.69	2.35	2.09	1.88	1.71	1.57	1.45	1.34	1.25	1.18
180.0	8.49	5.66	4.25	3.40	2.83	2.43	2.12	1.89	1.70	1.54	1.42	1.31	1.21	1.13	1.06
186.0	7.70	5.13	3.85	3.08	2.57	2.20	1.92	1.71	1.54	1.40	1.28	1.18	1.10	1.03	0.96
192.0	7.00	4.66	3.50	2.80	2.33	2.00	1.75	1.55	1.40	1.27	1.17	1.08	1.00	0.93	0.87



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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING 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.



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

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)

1/2" X 5-3/16" MULLION LOADS TABLE
TWO WAY

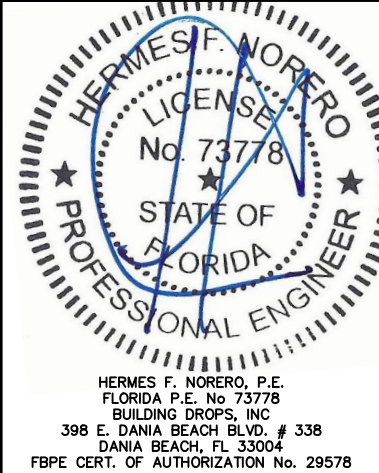
PREPARED BY:

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



REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

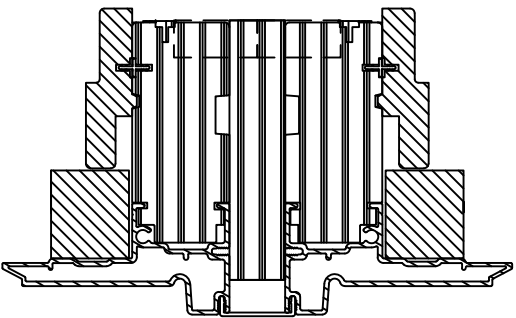
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



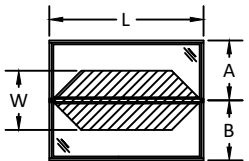
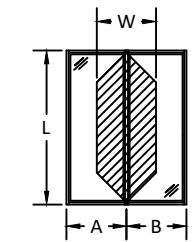
FL #:	FL24230
DATE:	10.12.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD211
SHEET:	16

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	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
30.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
36.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
42.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
48.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
54.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
60.0	75.00	75.00	75.00	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88
66.0	75.00	75.00	66.86	61.01	60.27	60.27	60.27	60.27	60.27	60.27	60.27	60.27	60.27	60.27	60.27
72.0	75.00	67.50	54.46	48.32	46.42	46.42	46.42	46.42	46.42	46.42	46.42	46.42	46.42	46.42	46.42
78.0	75.00	53.13	42.72	37.57	35.40	35.11	35.11	35.11	35.11	35.11	35.11	35.11	35.11	35.11	35.11
84.0	60.43	42.03	33.45	28.99	26.79	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10
90.0	48.92	33.84	26.72	22.89	20.84	19.93	19.81	19.81	19.81	19.81	19.81	19.81	19.81	19.81	19.81
96.0	40.16	27.66	21.70	18.43	16.57	15.61	15.30	15.30	15.30	15.30	15.30	15.30	15.30	15.30	15.30
102.0	33.38	22.91	17.88	15.07	13.42	12.49	12.07	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01
108.0	28.05	19.19	14.92	12.50	11.04	10.17	9.71	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55
114.0	23.80	16.24	12.58	10.49	9.20	8.41	7.94	7.73	7.69	7.69	7.69	7.69	7.69	7.69	7.69
120.0	20.37	13.87	10.71	8.89	7.76	7.04	6.59	6.35	6.27	6.27	6.27	6.27	6.27	6.27	6.27
126.0	17.57	11.94	9.19	7.61	6.61	5.96	5.54	5.29	5.17	5.16	5.16	5.16	5.16	5.16	5.16
132.0	15.26	10.35	7.95	6.56	5.68	5.09	4.71	4.46	4.33	4.28	4.28	4.28	4.28	4.28	4.28
138.0	13.34	9.03	6.93	5.70	4.92	4.39	4.04	3.80	3.66	3.59	3.58	3.58	3.58	3.58	3.58
144.0	11.73	7.93	6.07	4.98	4.29	3.82	3.49	3.27	3.13	3.05	3.02	3.02	3.02	3.02	3.02
150.0	10.36	7.00	5.35	4.39	3.76	3.34	3.04	2.84	2.70	2.62	2.57	2.57	2.57	2.57	2.57
156.0	9.21	6.22	4.74	3.88	3.32	2.94	2.67	2.48	2.35	2.26	2.21	2.19	2.19	2.19	2.19
162.0	8.22	5.54	4.22	3.45	2.95	2.60	2.36	2.18	2.06	1.97	1.92	1.89	1.89	1.89	1.89
168.0	7.36	4.96	3.78	3.08	2.63	2.31	2.09	1.93	1.81	1.73	1.67	1.64	1.63	1.63	1.63
174.0	6.62	4.46	3.39	2.76	2.35	2.07	1.86	1.72	1.61	1.53	1.47	1.44	1.42	1.42	1.42
180.0	5.98	4.02	3.06	2.49	2.11	1.86	1.67	1.53	1.43	1.36	1.30	1.27	1.25	1.24	1.24
186.0	5.42	3.64	2.77	2.25	1.91	1.67	1.50	1.38	1.28	1.21	1.16	1.12	1.10	1.09	1.09
192.0	4.92	3.31	2.51	2.04	1.73	1.51	1.36	1.24	1.15	1.09	1.04	1.00	0.98	0.96	0.96

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



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



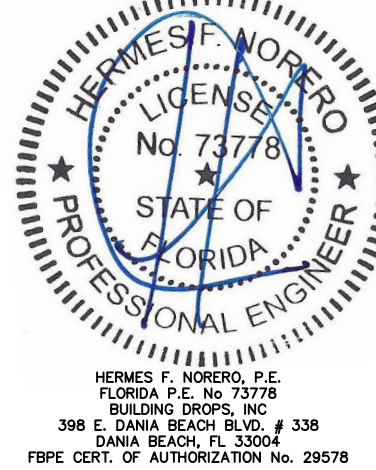
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)
3/4" X 3-1/2" MULLION LOADS TABLE
ONE WAY

PREPARED BY:
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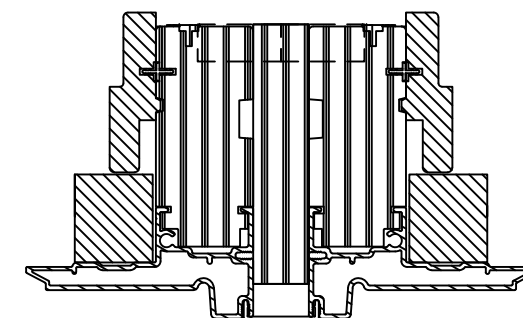
REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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.



FL #:	FL24230
DATE:	10.12.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD211
SHEET:	17
	OF 28

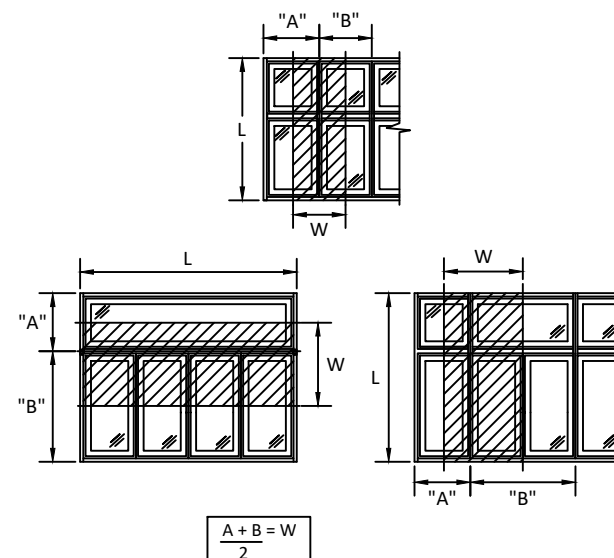
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
3/4" X 3-1/2" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	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	58.47	38.98	29.23	23.39	19.49	16.71	14.62	12.99	11.69	10.63	9.74	9.00	8.35	7.80	7.31
90.0	47.54	31.69	23.77	19.01	15.85	13.58	11.88	10.56	9.51	8.64	7.92	7.31	6.79	6.34	5.94
96.0	39.17	26.11	19.58	15.67	13.06	11.19	9.79	8.70	7.83	7.12	6.53	6.03	5.60	5.22	4.90
102.0	32.66	21.77	16.33	13.06	10.89	9.33	8.16	7.26	6.53	5.94	5.44	5.02	4.67	4.35	4.08
108.0	27.51	18.34	13.76	11.00	9.17	7.86	6.88	6.11	5.50	5.00	4.59	4.23	3.93	3.67	3.44
114.0	23.39	15.59	11.70	9.36	7.80	6.68	5.85	5.20	4.68	4.25	3.90	3.60	3.34	3.12	2.92
120.0	20.05	13.37	10.03	8.02	6.68	5.73	5.01	4.46	4.01	3.65	3.34	3.09	2.86	2.67	2.51
126.0	17.32	11.55	8.66	6.93	5.77	4.95	4.33	3.85	3.46	3.15	2.89	2.67	2.47	2.31	2.17
132.0	15.07	10.04	7.53	6.03	5.02	4.30	3.77	3.35	3.01	2.74	2.51	2.32	2.15	2.01	1.88
138.0	13.19	8.79	6.59	5.27	4.40	3.77	3.30	2.93	2.64	2.40	2.20	2.03	1.88	1.76	1.65
144.0	11.61	7.74	5.80	4.64	3.87	3.32	2.90	2.58	2.32	2.11	1.93	1.79	1.66	1.55	1.45
150.0	10.27	6.85	5.13	4.11	3.42	2.93	2.57	2.28	2.05	1.87	1.71	1.58	1.47	1.37	1.28
156.0	9.13	6.09	4.56	3.65	3.04	2.61	2.28	2.03	1.83	1.66	1.52	1.40	1.30	1.22	1.14
162.0	8.15	5.43	4.08	3.26	2.72	2.33	2.04	1.81	1.63	1.48	1.36	1.25	1.16	1.09	1.02
168.0	7.31	4.87	3.65	2.92	2.44	2.09	1.83	1.62	1.46	1.33	1.22	1.12	1.04	0.97	0.91
174.0	6.58	4.39	3.29	2.63	2.19	1.88	1.64	1.46	1.32	1.20	1.10	1.01	0.94	0.88	0.82
180.0	5.94	3.96	2.97	2.38	1.98	1.70	1.49	1.32	1.19	1.08	0.99	0.91	0.85	0.79	0.74
186.0	5.39	3.59	2.69	2.15	1.80	1.54	1.35	1.20	1.08	0.98	0.90	0.83	0.77	0.72	0.67
192.0	4.90	3.26	2.45	1.96	1.63	1.40	1.22	1.09	0.98	0.89	0.82	0.75	0.70	0.65	0.61



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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING 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.



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

**TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)**

3/4" X 3-1/2" MULLION LOADS TABLE
TWO WAY

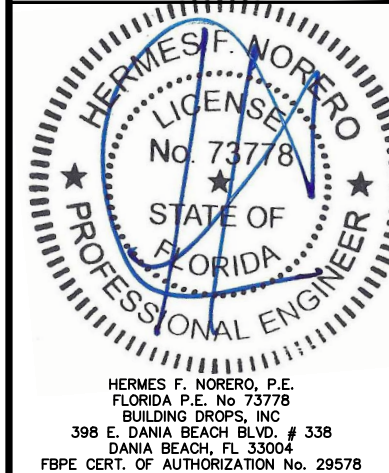
PREPARED BY:

BUILDING DROPS, INC.
E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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FL #:

FL24230

DATE: 10.12.17

DWG. BY: RV	CHK. BY: HFN
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SCALE: NTS

DWG. #: AWD211

SHEET:

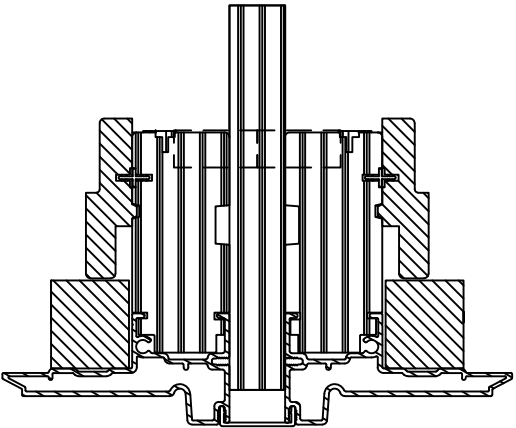
18

s:\projects\andersen windows\lbc-19-0548-2 - fbc submittal - e-series mullion revisions\dwgs\l74230.4 & 5\awd211 - fl15440-series 13 casement fixed-non-impact-(n-hvz).dwg 8/15/2019 10:19 AM

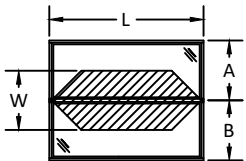
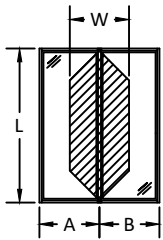
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF) 3/4" X 5-3/16" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
30.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
36.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
42.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
48.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
54.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
60.0	75.00	75.00	75.00	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88
66.0	75.00	75.00	66.86	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	75.00	69.33	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	75.00	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	75.00	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	72.00	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	66.86	48.00	39.00	33.66	30.27	28.52	27.95	27.95	27.95	27.95	27.95	27.95	27.95	27.95	27.95
102.0	60.98	41.85	32.66	27.53	24.52	22.82	22.04	21.93	21.93	21.93	21.93	21.93	21.93	21.93	21.93
108.0	51.24	35.06	27.25	22.83	20.17	18.58	17.73	17.45	17.45	17.45	17.45	17.45	17.45	17.45	17.45
114.0	43.48	29.67	22.97	19.15	16.81	15.36	14.51	14.11	14.06	14.06	14.06	14.06	14.06	14.06	14.06
120.0	37.21	25.33	19.56	16.24	14.17	12.86	12.04	11.60	11.45	11.45	11.45	11.45	11.45	11.45	11.45
126.0	32.09	21.81	16.79	13.89	12.07	10.89	10.12	9.67	9.45	9.42	9.42	9.42	9.42	9.42	9.42
132.0	27.87	18.91	14.53	11.98	10.37	9.31	8.60	8.15	7.91	7.82	7.82	7.82	7.82	7.82	7.82
138.0	24.36	16.50	12.65	10.41	8.98	8.02	7.38	6.95	6.69	6.57	6.55	6.55	6.55	6.55	6.55
144.0	21.42	14.49	11.09	9.11	7.83	6.97	6.38	5.98	5.72	5.57	5.52	5.52	5.52	5.52	5.52
150.0	18.93	12.80	9.78	8.01	6.87	6.10	5.56	5.19	4.93	4.78	4.70	4.69	4.69	4.69	4.69
156.0	16.82	11.35	8.66	7.09	6.07	5.37	4.88	4.53	4.29	4.13	4.04	4.01	4.01	4.01	4.01
162.0	15.01	10.12	7.72	6.30	5.38	4.75	4.30	3.98	3.76	3.60	3.50	3.45	3.45	3.45	3.45
168.0	13.45	9.06	6.90	5.63	4.80	4.23	3.82	3.52	3.31	3.16	3.06	3.00	2.98	2.98	2.98
174.0	12.10	8.15	6.20	5.05	4.30	3.78	3.41	3.13	2.93	2.79	2.69	2.63	2.60	2.59	2.59
180.0	10.92	7.35	5.59	4.54	3.86	3.39	3.05	2.80	2.61	2.48	2.38	2.31	2.28	2.26	2.26
186.0	9.89	6.65	5.05	4.11	3.49	3.06	2.74	2.51	2.34	2.21	2.12	2.05	2.01	1.99	1.98
192.0	8.99	6.04	4.59	3.72	3.16	2.76	2.48	2.26	2.10	1.98	1.89	1.83	1.78	1.76	1.75

NOTE:

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



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



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



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

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)

3/4" X 5-3/16" MULLION LOADS TABLE
ONE WAY

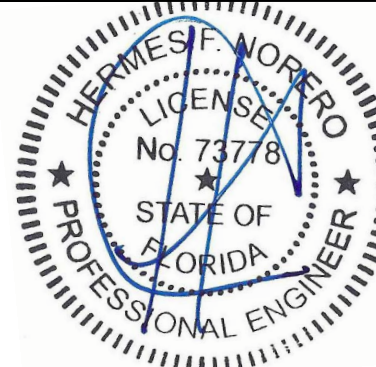
PREPARED BY:

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
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

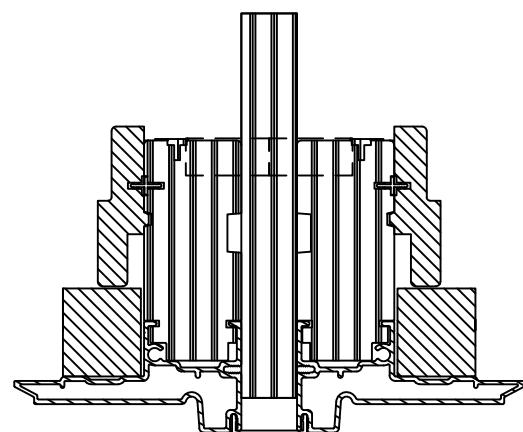
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



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

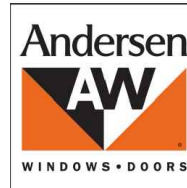
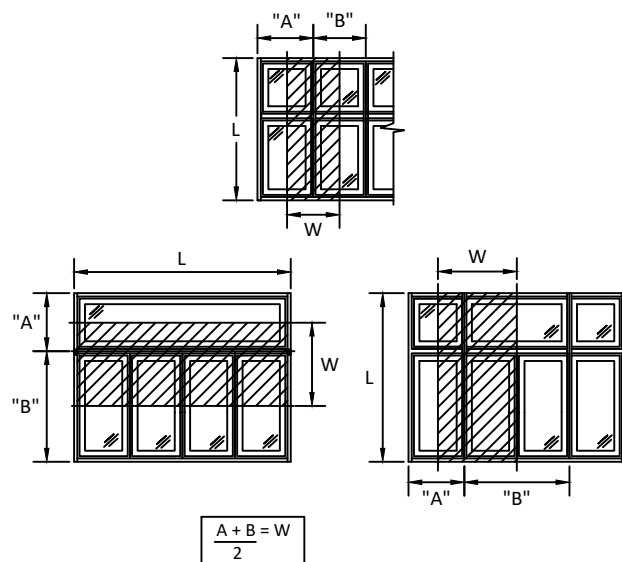
FL #:	FL24230
DATE:	10.12.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD211
SHEET:	19

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	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	50.25	33.50	25.13	20.10	16.75	14.36	12.56	11.17	10.05	9.14	8.38	7.73	7.18	6.70	6.28
114.0	42.73	28.49	21.36	17.09	14.24	12.21	10.68	9.50	8.55	7.77	7.12	6.57	6.10	5.70	5.34
120.0	36.64	24.42	18.32	14.65	12.21	10.47	9.16	8.14	7.33	6.66	6.11	5.64	5.23	4.88	4.58
126.0	31.65	21.10	15.82	12.66	10.55	9.04	7.91	7.03	6.33	5.75	5.27	4.87	4.52	4.22	3.96
132.0	27.52	18.35	13.76	11.01	9.17	7.86	6.88	6.12	5.50	5.00	4.59	4.23	3.93	3.67	3.44
138.0	24.09	16.06	12.04	9.64	8.03	6.88	6.02	5.35	4.82	4.38	4.01	3.71	3.44	3.21	3.01
144.0	21.20	14.13	10.60	8.48	7.07	6.06	5.30	4.71	4.24	3.85	3.53	3.26	3.03	2.83	2.65
150.0	18.76	12.50	9.38	7.50	6.25	5.36	4.69	4.17	3.75	3.41	3.13	2.89	2.68	2.50	2.34
156.0	16.68	11.12	8.34	6.67	5.56	4.76	4.17	3.71	3.34	3.03	2.78	2.57	2.38	2.22	2.08
162.0	14.89	9.93	7.45	5.96	4.96	4.25	3.72	3.31	2.98	2.71	2.48	2.29	2.13	1.99	1.86
168.0	13.35	8.90	6.68	5.34	4.45	3.81	3.34	2.97	2.67	2.43	2.23	2.05	1.91	1.78	1.67
174.0	12.02	8.01	6.01	4.81	4.01	3.43	3.00	2.67	2.40	2.18	2.00	1.85	1.72	1.60	1.50
180.0	10.86	7.24	5.43	4.34	3.62	3.10	2.71	2.41	2.17	1.97	1.81	1.67	1.55	1.45	1.36
186.0	9.84	6.56	4.92	3.94	3.28	2.81	2.46	2.19	1.97	1.79	1.64	1.51	1.41	1.31	1.23
192.0	8.94	5.96	4.47	3.58	2.98	2.56	2.24	1.99	1.79	1.63	1.49	1.38	1.28	1.19	1.12



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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.**
 - 5) MULLION CHART APPLIES TO THE FOLLOWING 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.**



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

MODEL TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)

3/4"X 5-3/16" MULLION LOADS TABLE
ONE WAY

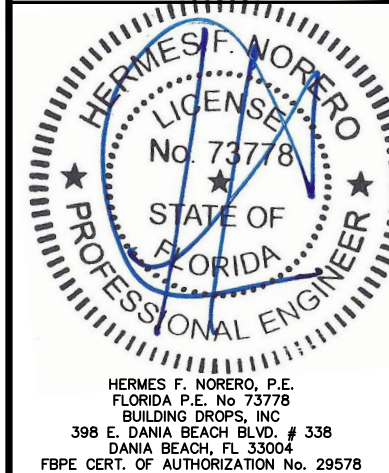
PREPARED BY: BUILDING DROPS INC

E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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FL #:

FL24230

DATE: 10.12.17

DWG. BY: RV	CHK. BY: HFN
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SCALE: NTS

DWG. #: AWD211

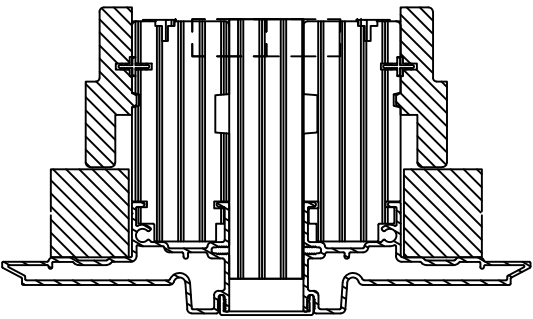
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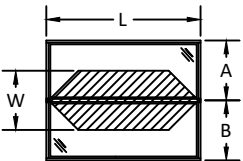
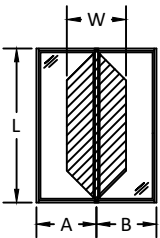
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
1" X 3-1/2" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
30.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
36.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
42.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
48.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
54.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
60.0	75.00	75.00	75.00	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88
66.0	75.00	75.00	66.86	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	75.00	69.33	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	75.00	59.62	47.94	42.16	39.72	39.40	39.40	39.40	39.40	39.40	39.40	39.40	39.40	39.40	39.40
84.0	67.82	47.16	37.54	32.53	30.07	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29
90.0	54.90	37.97	29.98	25.69	23.38	22.37	22.23	22.23	22.23	22.23	22.23	22.23	22.23	22.23	22.23
96.0	45.07	31.04	24.35	20.68	18.59	17.52	17.17	17.17	17.17	17.17	17.17	17.17	17.17	17.17	17.17
102.0	37.46	25.71	20.07	16.91	15.06	14.02	13.54	13.47	13.47	13.47	13.47	13.47	13.47	13.47	13.47
108.0	31.48	21.53	16.74	14.02	12.39	11.41	10.89	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72
114.0	26.71	18.22	14.11	11.77	10.33	9.43	8.91	8.67	8.63	8.63	8.63	8.63	8.63	8.63	8.63
120.0	22.86	15.56	12.01	9.98	8.71	7.90	7.40	7.13	7.03	7.03	7.03	7.03	7.03	7.03	7.03
126.0	19.71	13.40	10.31	8.53	7.42	6.69	6.22	5.94	5.81	5.79	5.79	5.79	5.79	5.79	5.79
132.0	17.12	11.62	8.92	7.36	6.37	5.72	5.28	5.01	4.86	4.80	4.80	4.80	4.80	4.80	4.80
138.0	14.97	10.14	7.77	6.40	5.52	4.93	4.53	4.27	4.11	4.03	4.02	4.02	4.02	4.02	4.02
144.0	13.16	8.90	6.81	5.59	4.81	4.28	3.92	3.67	3.51	3.42	3.39	3.39	3.39	3.39	3.39
150.0	11.63	7.86	6.01	4.92	4.22	3.75	3.42	3.19	3.03	2.93	2.89	2.88	2.88	2.88	2.88
156.0	10.33	6.97	5.32	4.35	3.73	3.30	3.00	2.78	2.63	2.54	2.48	2.46	2.46	2.46	2.46
162.0	9.22	6.22	4.74	3.87	3.31	2.92	2.64	2.45	2.31	2.21	2.15	2.12	2.12	2.12	2.12
168.0	8.26	5.57	4.24	3.46	2.95	2.60	2.35	2.16	2.03	1.94	1.88	1.84	1.83	1.83	1.83
174.0	7.43	5.00	3.81	3.10	2.64	2.32	2.09	1.92	1.80	1.71	1.65	1.61	1.59	1.59	1.59
180.0	6.71	4.51	3.43	2.79	2.37	2.08	1.87	1.72	1.61	1.52	1.46	1.42	1.40	1.39	1.39
186.0	6.08	4.09	3.10	2.52	2.14	1.88	1.69	1.54	1.44	1.36	1.30	1.26	1.23	1.22	1.22
192.0	5.52	3.71	2.82	2.29	1.94	1.70	1.52	1.39	1.29	1.22	1.16	1.12	1.10	1.08	1.07

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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING 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.



1" X 3 1/2"
LVL MULL PROFILE



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



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

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)

1" X 3-1/2" MULLION LOADS TABLE
ONE WAY

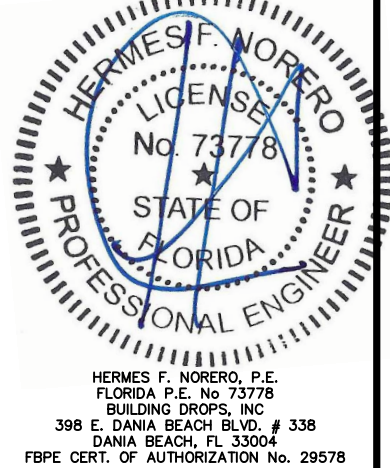
PREPARED BY:

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



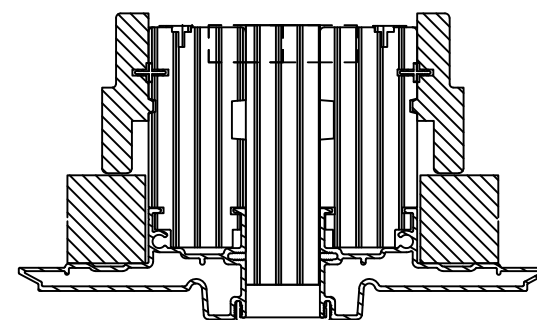
REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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FL #:	FL24230
DATE:	10.12.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD211
SHEET:	21

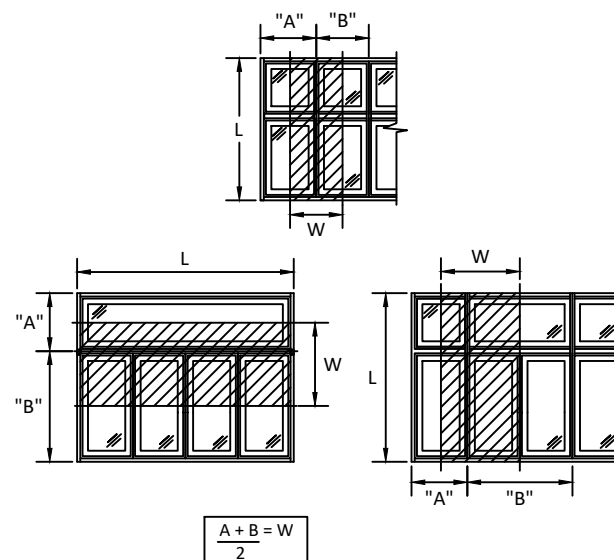
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
1" X 3-1/2" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	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	65.61	43.74	32.81	26.24	21.87	18.75	16.40	14.58	13.12	11.93	10.94	10.09	9.37	8.75	8.20
90.0	53.34	35.56	26.67	21.34	17.78	15.24	13.34	11.85	10.67	9.70	8.89	8.21	7.62	7.11	6.67
96.0	43.95	29.30	21.98	17.58	14.65	12.56	10.99	9.77	8.79	7.99	7.33	6.76	6.28	5.86	5.49
102.0	36.65	24.43	18.32	14.66	12.22	10.47	9.16	8.14	7.33	6.66	6.11	5.64	5.24	4.89	4.58
108.0	30.87	20.58	15.44	12.35	10.29	8.82	7.72	6.86	6.17	5.61	5.15	4.75	4.41	4.12	3.86
114.0	26.25	17.50	13.12	10.50	8.75	7.50	6.56	5.83	5.25	4.77	4.37	4.04	3.75	3.50	3.28
120.0	22.50	15.00	11.25	9.00	7.50	6.43	5.63	5.00	4.50	4.09	3.75	3.46	3.21	3.00	2.81
126.0	19.44	12.96	9.72	7.78	6.48	5.55	4.86	4.32	3.89	3.53	3.24	2.99	2.78	2.59	2.43
132.0	16.91	11.27	8.45	6.76	5.64	4.83	4.23	3.76	3.38	3.07	2.82	2.60	2.42	2.25	2.11
138.0	14.80	9.86	7.40	5.92	4.93	4.23	3.70	3.29	2.96	2.69	2.47	2.28	2.11	1.97	1.85
144.0	13.02	8.68	6.51	5.21	4.34	3.72	3.26	2.89	2.60	2.37	2.17	2.00	1.86	1.74	1.63
150.0	11.52	7.68	5.76	4.61	3.84	3.29	2.88	2.56	2.30	2.09	1.92	1.77	1.65	1.54	1.44
156.0	10.24	6.83	5.12	4.10	3.41	2.93	2.56	2.28	2.05	1.86	1.71	1.58	1.46	1.37	1.28
162.0	9.15	6.10	4.57	3.66	3.05	2.61	2.29	2.03	1.83	1.66	1.52	1.41	1.31	1.22	1.14
168.0	8.20	5.47	4.10	3.28	2.73	2.34	2.05	1.82	1.64	1.49	1.37	1.26	1.17	1.09	1.03
174.0	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
180.0	6.67	4.45	3.33	2.67	2.22	1.91	1.67	1.48	1.33	1.21	1.11	1.03	0.95	0.89	0.83
186.0	6.04	4.03	3.02	2.42	2.01	1.73	1.51	1.34	1.21	1.10	1.01	0.93	0.86	0.81	0.76
192.0	5.49	3.66	2.75	2.20	1.83	1.57	1.37	1.22	1.10	1.00	0.92	0.85	0.78	0.73	0.69



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.
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100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096

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

**TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)**

1" X 3-1/2" MULLION LOADS TABLE
TWO WAY

PREPARED BY:

BUILDING DROPS, INC.

DANIA BEACH BLVD., STI

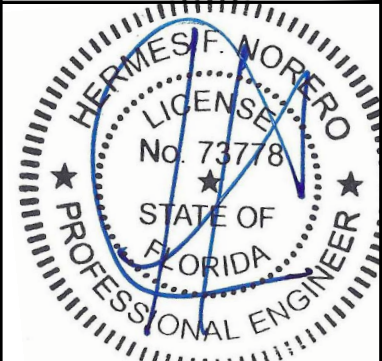
FLORIDA BEACH, FL 33000
PH: (954)399-8478

FAX: (954) 744.4738
WEB: www.buildingdrones.com



REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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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 #:

FL24230

DATE: 10.12.17

DWG. BY:
RV

CHK. BY:
HFN

SCALE: NTS

DWG. #: AWD211

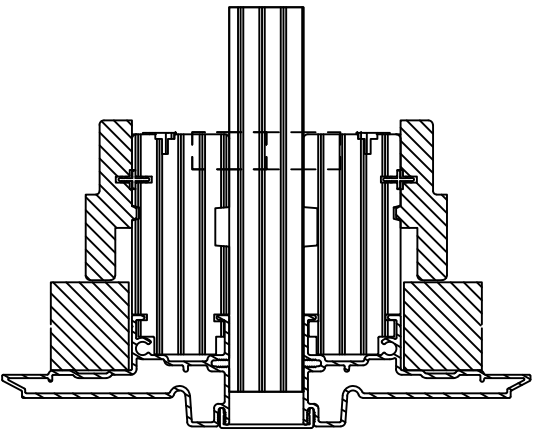
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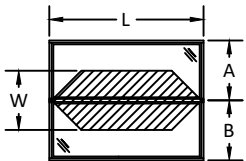
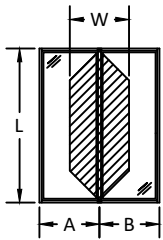
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
1" X 5-3/16" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
30.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
36.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
42.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
48.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
54.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
60.0	75.00	75.00	75.00	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88
66.0	75.00	75.00	66.86	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	75.00	69.33	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	75.00	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	75.00	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	72.00	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	66.86	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	33.18	27.80	24.56	22.63	21.59	21.25	21.25	21.25	21.25	21.25	21.25	21.25	21.25
114.0	52.94	36.13	27.98	23.33	20.47	18.70	17.67	17.19	17.12	17.12	17.12	17.12	17.12	17.12	17.12
120.0	45.31	30.85	23.82	19.77	17.26	15.66	14.67	14.13	13.94	13.94	13.94	13.94	13.94	13.94	13.94
126.0	39.08	26.56	20.45	16.92	14.70	13.26	12.33	11.77	11.51	11.47	11.47	11.47	11.47	11.47	11.47
132.0	33.94	23.03	17.69	14.59	12.63	11.33	10.47	9.93	9.63	9.52	9.52	9.52	9.52	9.52	9.52
138.0	29.67	20.10	15.41	12.68	10.94	9.77	8.98	8.46	8.15	8.00	7.97	7.97	7.97	7.97	7.97
144.0	26.08	17.65	13.51	11.09	9.54	8.49	7.77	7.28	6.97	6.79	6.72	6.72	6.72	6.72	6.72
150.0	23.06	15.58	11.91	9.76	8.37	7.43	6.77	6.32	6.01	5.82	5.73	5.71	5.71	5.71	5.71
156.0	20.48	13.83	10.55	8.63	7.39	6.54	5.94	5.52	5.22	5.03	4.92	4.88	4.88	4.88	4.88
162.0	18.27	12.33	9.40	7.67	6.55	5.79	5.24	4.85	4.57	4.38	4.27	4.21	4.20	4.20	4.20
168.0	16.38	11.04	8.40	6.85	5.84	5.15	4.65	4.29	4.03	3.85	3.73	3.66	3.63	3.63	3.63
174.0	14.73	9.92	7.55	6.14	5.23	4.60	4.15	3.82	3.57	3.40	3.28	3.20	3.16	3.15	3.15
180.0	13.30	8.95	6.80	5.53	4.70	4.13	3.72	3.41	3.18	3.02	2.90	2.82	2.77	2.75	2.75
186.0	12.05	8.10	6.15	5.00	4.25	3.72	3.34	3.06	2.85	2.69	2.58	2.50	2.45	2.42	2.42
192.0	10.95	7.36	5.58	4.53	3.85	3.37	3.02	2.76	2.56	2.41	2.30	2.22	2.17	2.14	2.13

NOTE:

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



1" X 5 3/16"
LVL MULL PROFILE



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



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

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (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

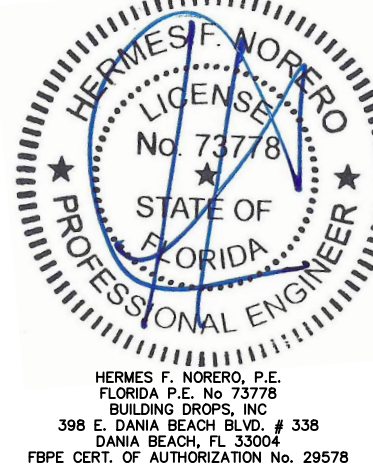
FAX: (954)744-4738

WEB: www.buildingdrops.com



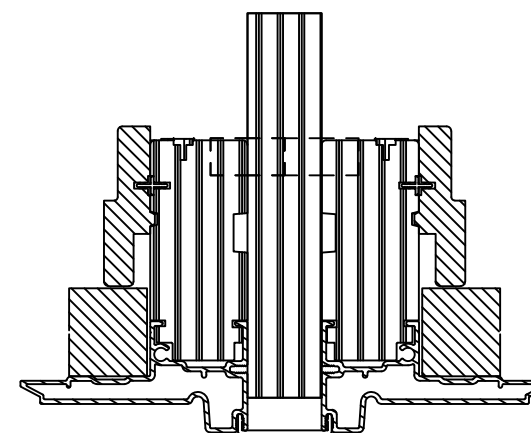
REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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.



FL #:	FL24230
DATE:	10.12.17
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD211
SHEET:	23

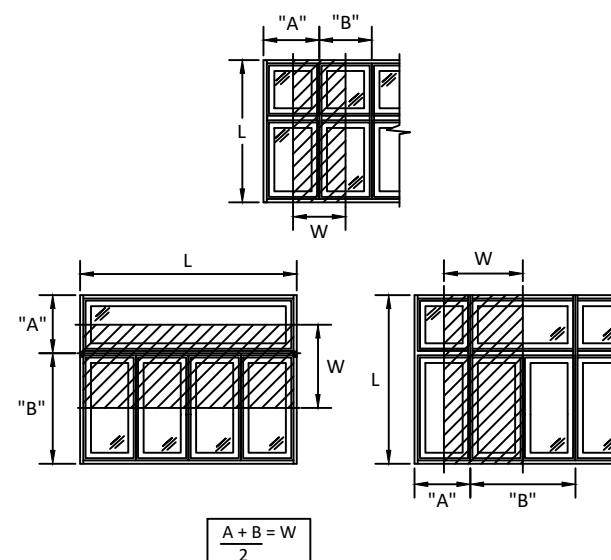
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
1" X 5-3/16" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	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	44.61	29.74	22.31	17.85	14.87	12.75	11.15	9.91	8.92	8.11	7.44	6.86	6.37	5.95	5.58
126.0	38.54	25.69	19.27	15.42	12.85	11.01	9.63	8.56	7.71	7.01	6.42	5.93	5.51	5.14	4.82
132.0	33.52	22.35	16.76	13.41	11.17	9.58	8.38	7.45	6.70	6.09	5.59	5.16	4.79	4.47	4.19
138.0	29.33	19.56	14.67	11.73	9.78	8.38	7.33	6.52	5.87	5.33	4.89	4.51	4.19	3.91	3.67
144.0	25.82	17.21	12.91	10.33	8.61	7.38	6.45	5.74	5.16	4.69	4.30	3.97	3.69	3.44	3.23
150.0	22.84	15.23	11.42	9.14	7.61	6.53	5.71	5.08	4.57	4.15	3.81	3.51	3.26	3.05	2.86
156.0	20.31	13.54	10.15	8.12	6.77	5.80	5.08	4.51	4.06	3.69	3.38	3.12	2.90	2.71	2.54
162.0	18.13	12.09	9.07	7.25	6.04	5.18	4.53	4.03	3.63	3.30	3.02	2.79	2.59	2.42	2.27
168.0	16.26	10.84	8.13	6.50	5.42	4.65	4.06	3.61	3.25	2.96	2.71	2.50	2.32	2.17	2.03
174.0	14.63	9.76	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
180.0	13.22	8.81	6.61	5.29	4.41	3.78	3.30	2.94	2.64	2.40	2.20	2.03	1.89	1.76	1.65
186.0	11.98	7.99	5.99	4.79	3.99	3.42	3.00	2.66	2.40	2.18	2.00	1.84	1.71	1.60	1.50
192.0	10.89	7.26	5.45	4.36	3.63	3.11	2.72	2.42	2.18	1.98	1.82	1.68	1.56	1.45	1.36



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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING 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.



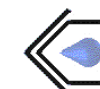
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)

1" X 5-3/16" MULLION LOADS TABLE
TWO WAY

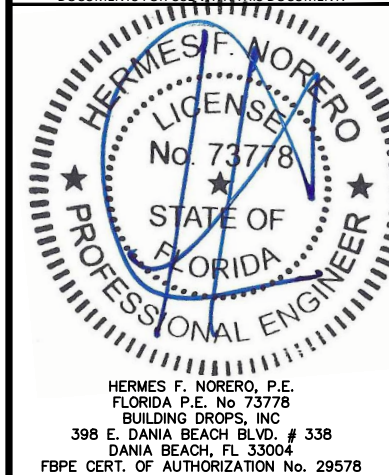
PREPARED BY:

BUILDING DROPS, INC.
E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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.



FL #:

#. FL24230

DATE: 10.12.17

DWG. BY: RV	CHK. BY: HFN
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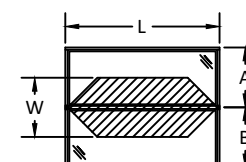
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DWG. #: AWD211

SHEET:

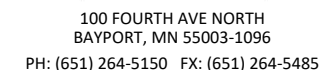
24

OF 28



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

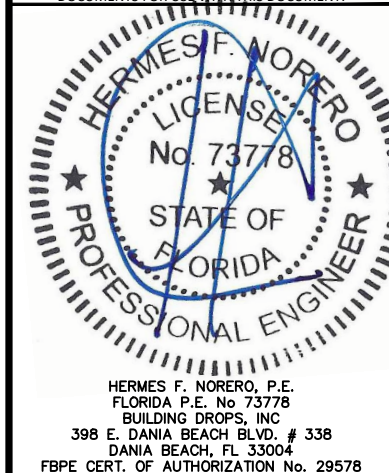
- 1) MULLION CHART APPLIES TO 2" X 3-1/2" LVL MULL ASSEMBLIES, WHEN MULLED IN ONE-WAY CONFIGURATIONS.
- 2) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 3) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
- 4) DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION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

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

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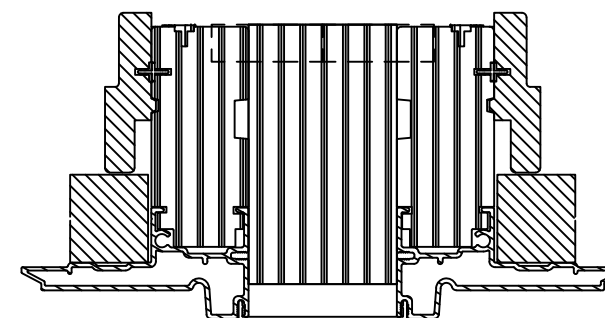


SHEET: 25

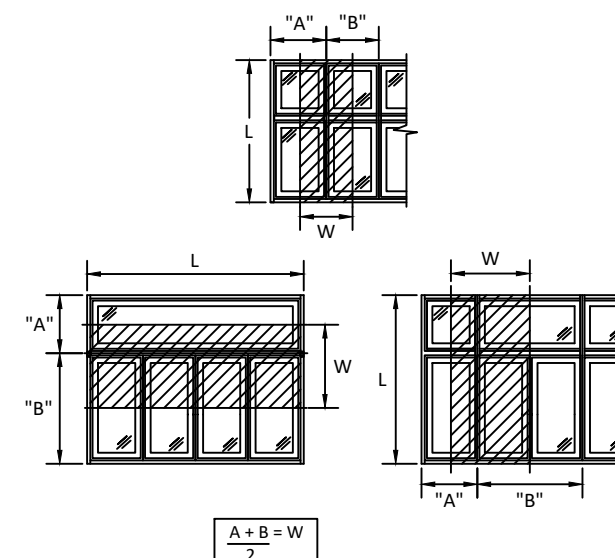
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
2" X 3-1/2" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	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	52.83	35.22	26.41	21.13	17.61	15.09	13.21	11.74	10.57	9.61	8.80	8.13	7.55	7.04	6.60
108.0	44.50	29.67	22.25	17.80	14.83	12.72	11.13	9.89	8.90	8.09	7.42	6.85	6.36	5.93	5.56
114.0	37.84	25.23	18.92	15.14	12.61	10.81	9.46	8.41	7.57	6.88	6.31	5.82	5.41	5.05	4.73
120.0	32.44	21.63	16.22	12.98	10.81	9.27	8.11	7.21	6.49	5.90	5.41	4.99	4.63	4.33	4.06
126.0	28.03	18.68	14.01	11.21	9.34	8.01	7.01	6.23	5.61	5.10	4.67	4.31	4.00	3.74	3.50
132.0	24.38	16.25	12.19	9.75	8.13	6.96	6.09	5.42	4.88	4.43	4.06	3.75	3.48	3.25	3.05
138.0	21.33	14.22	10.67	8.53	7.11	6.09	5.33	4.74	4.27	3.88	3.56	3.28	3.05	2.84	2.67
144.0	18.78	12.52	9.39	7.51	6.26	5.36	4.69	4.17	3.76	3.41	3.13	2.89	2.68	2.50	2.35
150.0	16.61	11.07	8.31	6.64	5.54	4.75	4.15	3.69	3.32	3.02	2.77	2.56	2.37	2.21	2.08
156.0	14.77	9.84	7.38	5.91	4.92	4.22	3.69	3.28	2.95	2.68	2.46	2.27	2.11	1.97	1.85
162.0	13.19	8.79	6.59	5.27	4.40	3.77	3.30	2.93	2.64	2.40	2.20	2.03	1.88	1.76	1.65
168.0	11.82	7.88	5.91	4.73	3.94	3.38	2.96	2.63	2.36	2.15	1.97	1.82	1.69	1.58	1.48
174.0	10.64	7.09	5.32	4.26	3.55	3.04	2.66	2.36	2.13	1.93	1.77	1.64	1.52	1.42	1.33
180.0	9.61	6.41	4.81	3.85	3.20	2.75	2.40	2.14	1.92	1.75	1.60	1.48	1.37	1.28	1.20
186.0	8.71	5.81	4.36	3.48	2.90	2.49	2.18	1.94	1.74	1.58	1.45	1.34	1.24	1.16	1.09
192.0	7.92	5.28	3.96	3.17	2.64	2.26	1.98	1.76	1.58	1.44	1.32	1.22	1.13	1.06	0.99

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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
- 5) MULLION CHART APPLIES TO THE FOLLOWING 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.



2" X 3 1/2"
LVL MULL PROFILE



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

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)

2" X 3 1/2" MULLION LOADS TABLE
TWO WAY

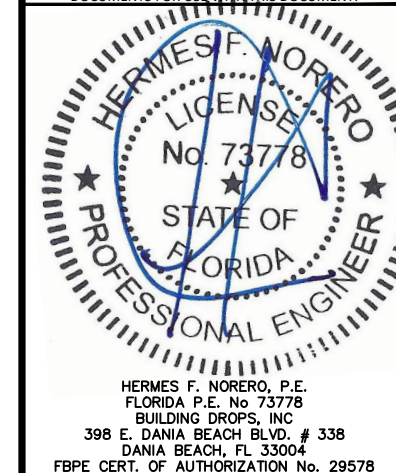
OPERATING BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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



FL #:

#. FL24230

DATE: 10.12.17

DWG. BY: RV	CHK. BY: HFN
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SCALE: NTS

DWG. #: AWD211

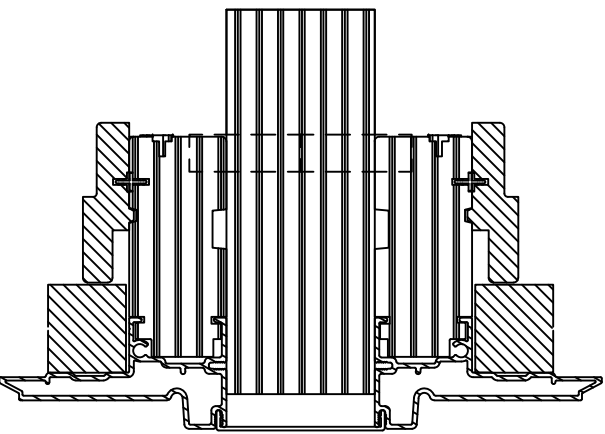
SHEET:

26

OF 28

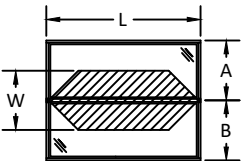
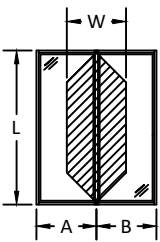
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MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF) 2" X 5-3/16" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION																
L - Mull Length (in)	W - Tributary Width (in)															
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0	
24.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	
30.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	
36.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	
42.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	
48.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	
54.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	
60.0	75.00	75.00	75.00	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	74.88	
66.0	75.00	75.00	66.86	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	75.00	69.33	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	75.00	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	75.00	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	72.00	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	66.86	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	16.00	15.60	15.47	15.47	15.47	15.47	15.47	15.47	
138.0	44.57	31.20	24.63	20.80	18.35	16.71	15.44	14.54	14.00	13.74	13.70	13.70	13.70	13.70	13.70	
150.0	39.62	26.77	20.46	16.76	14.38	12.76	11.64	10.85	10.32	10.00	9.84	9.81	9.81	9.81	9.81	
156.0	35.19	23.76	18.13	14.83	12.69	11.23	10.21	9.48	8.98	8.64	8.46	8.39	8.39	8.39	8.39	
162.0	31.40	21.18	16.14	13.18	11.26	9.94	9.01	8.34	7.86	7.53	7.33	7.23	7.21	7.21	7.21	
168.0	28.14	18.96	14.44	11.77	10.04	8.85	7.99	7.37	6.93	6.61	6.40	6.28	6.24	6.24	6.24	
174.0	25.31	17.05	12.97	10.56	8.99	7.91	7.13	6.56	6.14	5.84	5.63	5.50	5.43	5.42	5.42	
180.0	22.85	15.38	11.69	9.51	8.08	7.10	6.38	5.86	5.47	5.18	4.98	4.84	4.76	4.73	4.73	
186.0	20.70	13.92	10.57	8.59	7.30	6.39	5.74	5.26	4.90	4.63	4.43	4.29	4.20	4.16	4.15	
192.0	18.81	12.65	9.60	7.79	6.61	5.78	5.18	4.74	4.40	4.15	3.96	3.82	3.73	3.68	3.66	



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 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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
 - 5) MULLION CHART APPLIES TO THE FOLLOWING 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.



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



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

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (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
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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.



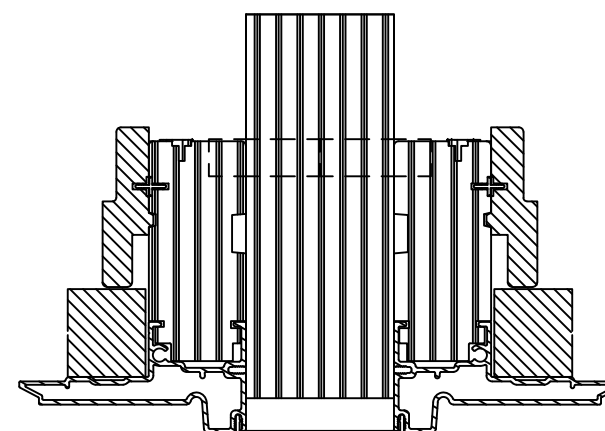
FL #:	FL24230
DATE:	10.12.17
DWG. BY:	RV
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SCALE:	NTS
DWG. #:	AWD211
SHEET:	

27

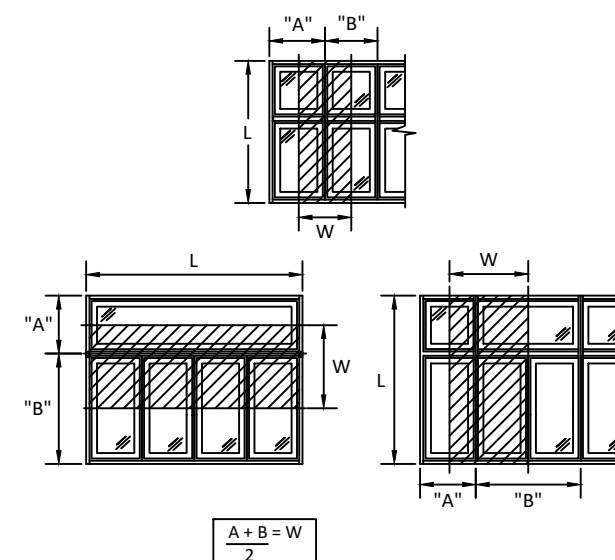
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)															
2" X 5-3/16" STRUCTURAL MULLION (TWO-WAY) CONFIGURATION															
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
24.0	75.00	75.00	75.00	75.00	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	37.44	24.96	18.72	14.98	12.48	10.70	9.36	8.32	7.49	6.81	6.24	5.76	5.35	4.99	4.68
156.0	34.89	23.26	17.45	13.96	11.63	9.97	8.72	7.75	6.98	6.34	5.82	5.37	4.98	4.65	4.36
162.0	31.16	20.77	15.58	12.46	10.39	8.90	7.79	6.92	6.23	5.66	5.19	4.79	4.45	4.15	3.89
168.0	27.94	18.62	13.97	11.17	9.31	7.98	6.98	6.21	5.59	5.08	4.66	4.30	3.99	3.72	3.49
174.0	25.15	16.76	12.57	10.06	8.38	7.18	6.29	5.59	5.03	4.57	4.19	3.87	3.59	3.35	3.14
180.0	22.71	15.14	11.36	9.09	7.57	6.49	5.68	5.05	4.54	4.13	3.79	3.49	3.24	3.03	2.84
186.0	20.59	13.72	10.29	8.23	6.86	5.88	5.15	4.57	4.12	3.74	3.43	3.17	2.94	2.74	2.57
192.0	18.72	12.48	9.36	7.49	6.24	5.35	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.50	2.34

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 WINDOWS OR DOORS SHALL BE UNDER SEPARATE FL OR MIAMI-DADE APPROVAL.
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2" X 5 3/16"
LVL MULL PROFILE



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

TITLE: E-SERIES FIXED CASEMENT WINDOW -
DIRECT SET (1-PC FRAME) (NON-HVHZ)
(NON-IMPACT)

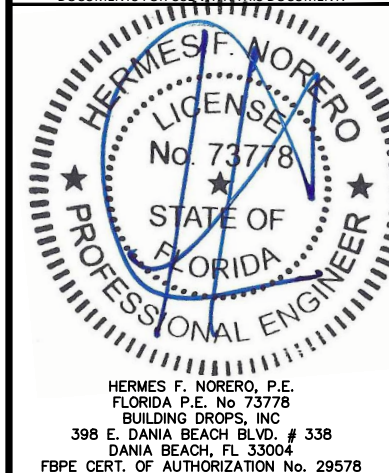
2" X 5-3/16" MULLION LOADS TABLE
TWO WAY

PREPARED BY:

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

REMARKS	BY	DATE
6TH FBC CODE CHANGE	RV	10.17.17
ADDED MULL & DP CHARTS	LL	8.5.19

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FL #:

#. FL24230

DATE: 10.12.17

DWG. BY: RV	CHK. BY: HFN
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SCALE: NTS

DWG. #: AWD211

SHEET:

28

OF 28