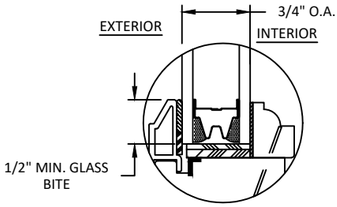
ANDERSEN CORPORATION

E-SERIES ARCH CASEMENT WINDOW (NON HVHZ) (NON IMPACT)

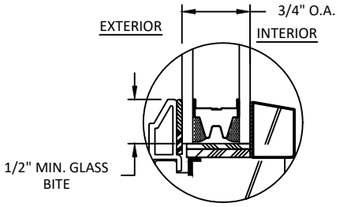
GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
   - AAMA/WDMA/CSA 101/I.S.2/A440-08/11
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: WOOD/ ALUMINUM
7. MULLION MATERIAL: LAMINATED VENEER LUMBER.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300. SEE GLAZING DETAILS ON SHEET 1.
9. *DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:*
   X: OPERABLE PANEL
   O: FIXED PANEL
10. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.



GLAZING DETAIL 1
SHOWN WITH COLONIAL GLASS STOP

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



GLAZING DETAIL 2
SHOWN WITH CONTEMPORARY GLASS STOP

TABLE OF CONTENTS

WINDOW TYPE	CONFIGURATION	OVERALL FRAME SIZE		OVERALL D.L.O. DIMENSION		GLASS TYPE	No. LOCK POINTS	DESIGN PRESSURE (PSF)	
		WIDTH (IN.)	HEIGHT (IN.)	WIDTH (IN.)	HEIGHT (IN.)			POS.	NEG.
SINGLE	X	36.0	32.0	29.87	25.87	G1	1	+55	-55
SINGLE	X	36.0	66.0	29.87	59.87	G1	2	+60	-60
SINGLE	X	36.0	72.0	29.87	65.87	G1	3	+70	-70
SINGLE/MULLED	XX	36.0	72.0	29.87	65.87	G1	3	+34.7	-34.7
SINGLE/MULLED	XX	32.0	66.0	25.87	59.87	G1	3	+45.1	-45.1
SINGLE/MULLED	XX	30.0	72.0	23.87	65.87	G1	3	+41.7	-41.7
SINGLE/MULLED	XX	36.0	60.0	29.87	53.87	G1	3	+60	-60
SINGLE/MULLED	XX	36.0	36.0	29.87	29.87	G1	3	+55	-55

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

TITLE: *E-SERIES ARCH CASEMENT WINDOW (NON-IMPACT) (NON-HVHZ)* GENERAL NOTES & GLAZING DETAILS

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

REMARKS	BY	DATE
6TH FBC EDITION	FM	10/17
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/14
3/4" & ½" MULL ADDED	LL	08/5

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

Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2019.08.15 14:36:44 -04'00'

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

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

FL #: FL24226

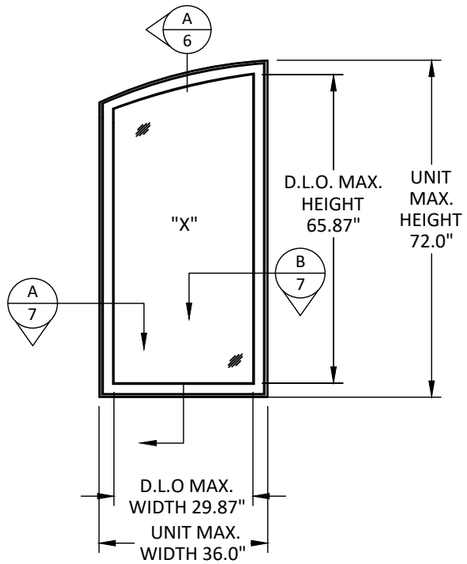
DATE: 10.12.17

DWG. BY: RV | CHK. BY: HFN

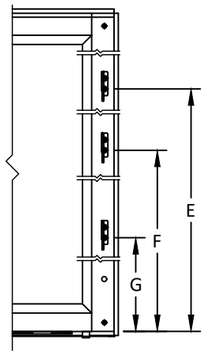
SCALE: NTS

DWG. #: AWD205

SHEET 1 OF 14



ELEVATION
SINGLE UNIT



KEEPER LOCATION			
FRAME HEIGHT	E (IN)	F (IN)	G (IN)
<=32	15.750	-	-
<36	11.500	21.750	-
<=40	11.500	27.750	-
<=48	11.500	33.750	-
<=54	11.500	39.750	-
<=60	11.500	45.750	-
<=66	11.500	51.750	-
72	11.500	34.656	57.812

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TITLE:
E-SERIES ARCH CASEMENT WINDOW (NON IMPACT) (NON-HVHZ)
ELEVATIONS

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3/4" & ½" MULL ADDED	LL	08/5

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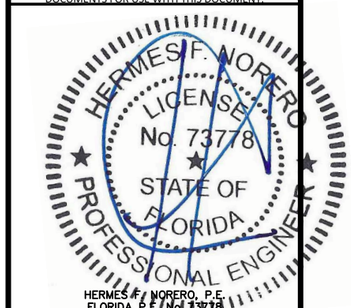

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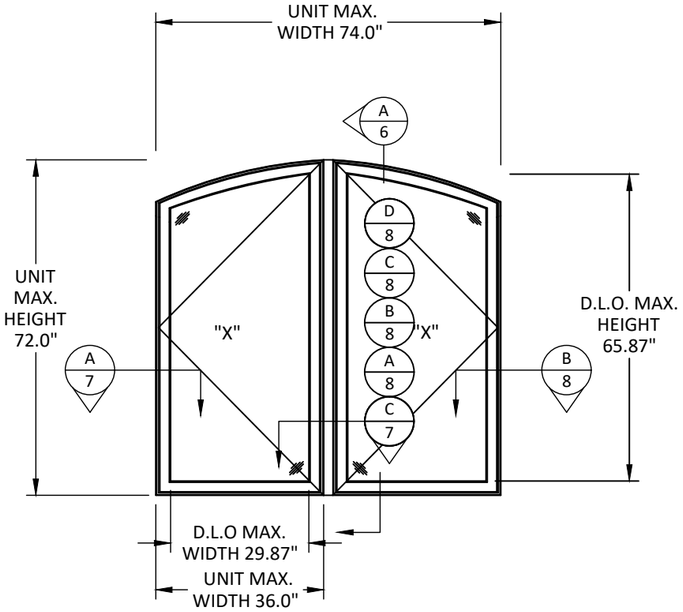
SCALE: NTS

DWG. #: AWD205

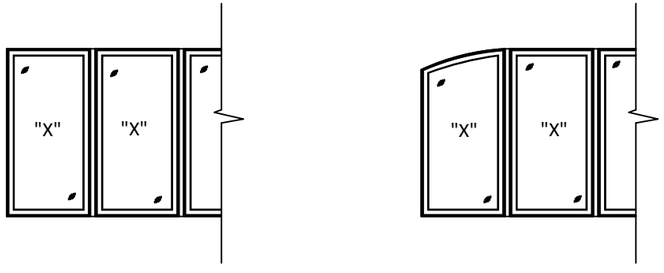
SHEET 2 OF 14



ELEVATION
MULLED UNITS

NOTE:

REFER TO SHEETS 10-14 FOR DESIGN PRESSURES BASED ON CORRESPONDING MULLION TYPES



QUALIFIED CONFIGURATIONS

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TITLE: *E-SERIES ARCH CASEMENT WINDOW (NON IMPACT) (NON-HVHZ)* MULLED ELEVATIONS

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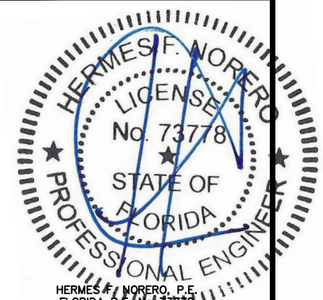
3/4" & ½" MULL ADDED	LL	08/5



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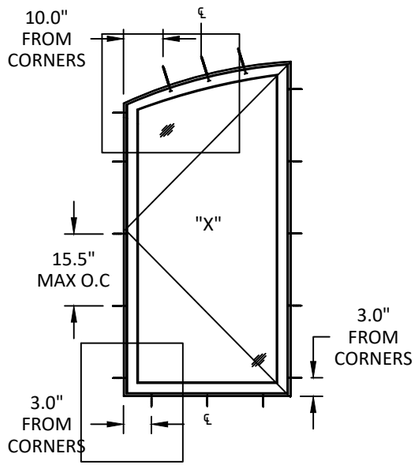
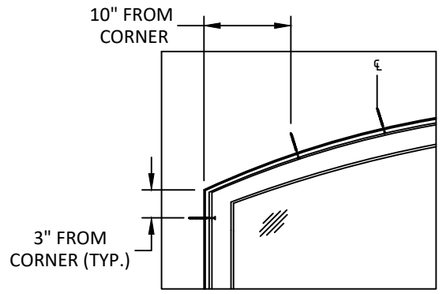
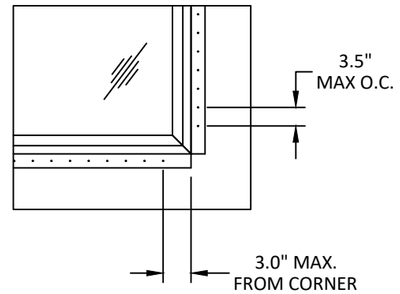
SHEET 3 OF 14



ANCHOR LAYOUT

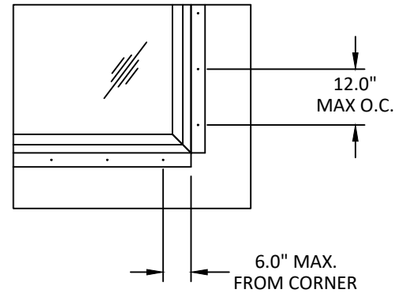
THROUGH FRAME & STRAP ANCHOR





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 9

NOTE: NAILING FLANGE INSTALLATIONS ARE LIMITED TO INDIVIDUAL UNITS OR ASSEMBLIES EQUAL TO OR LESS THAN DP50 AND EQUAL TO OR LESS THAN 30 SQUARE FEET.

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TITLE: *E-SERIES ARCH CASEMENT WINDOW (NON IMPACT) (NON-HVHZ)* ANCHOR LAYOUTS

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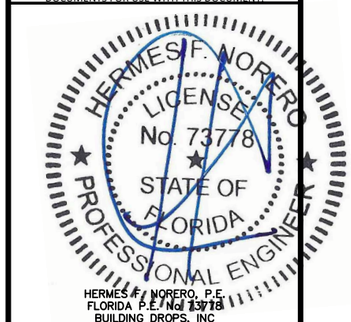

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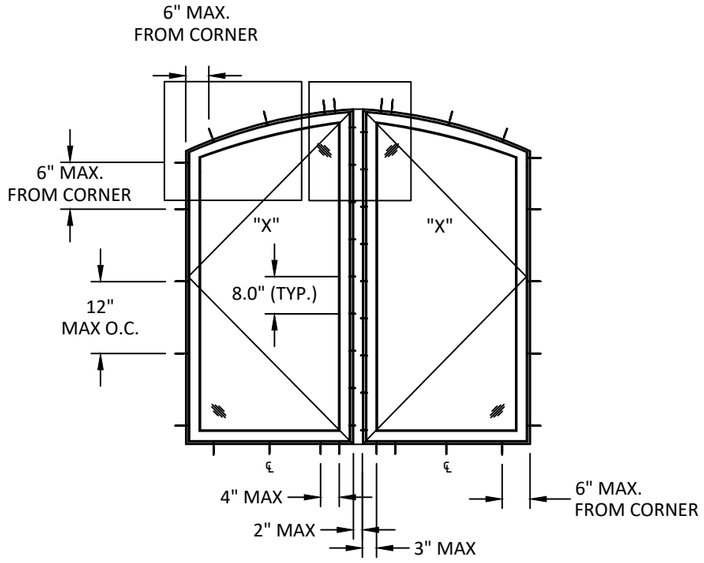
SCALE: NTS

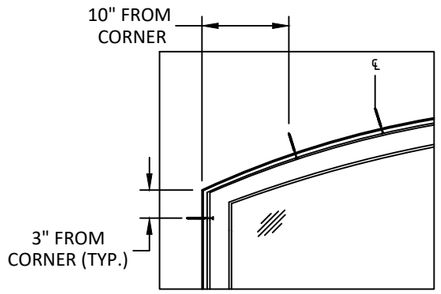
DWG. #: AWD205

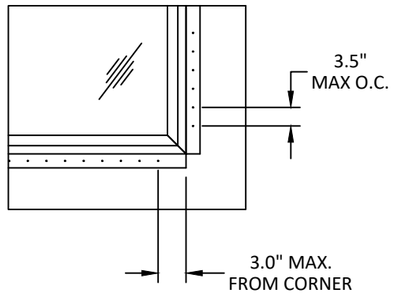
SHEET 4 OF 14



ANCHOR LAYOUT

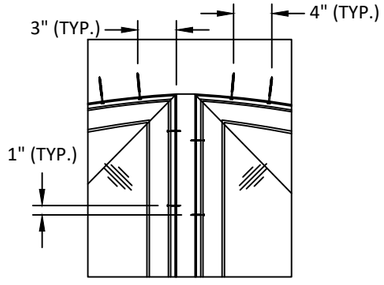
THROUGH FRAME

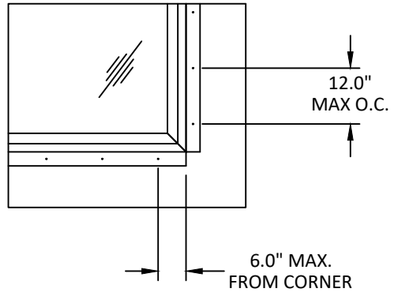




VINYL FIN ANCHORING

SINGLE UNIT

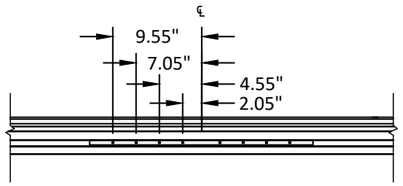




ALUMINUM FIN ANCHORING

SINGLE UNIT

NOTE: THE DESIGN PRESSURE IS TO BE LIMITED TO THE LOWEST DP RATING FROM THE DESIGN PRESSURE TABLE ON SHEET 1, MULLION TABLES FROM SHEET 10-14 AND THE DESIGN PRESSURE TABLE AND MULLION TABLES FROM FIXED WINDOW APPROVAL.



DETAIL 1

NOTE :

FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES) SEE SHEET 9

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

TITLE: *E-SERIES ARCH CASEMENT WINDOW (NON IMPACT) (NON-HVHZ)* MULLED ANCHOR LAYOUTS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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REMARKS	BY	DATE
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MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/14
3/4" & ½" MULL ADDED	LL	08/5

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

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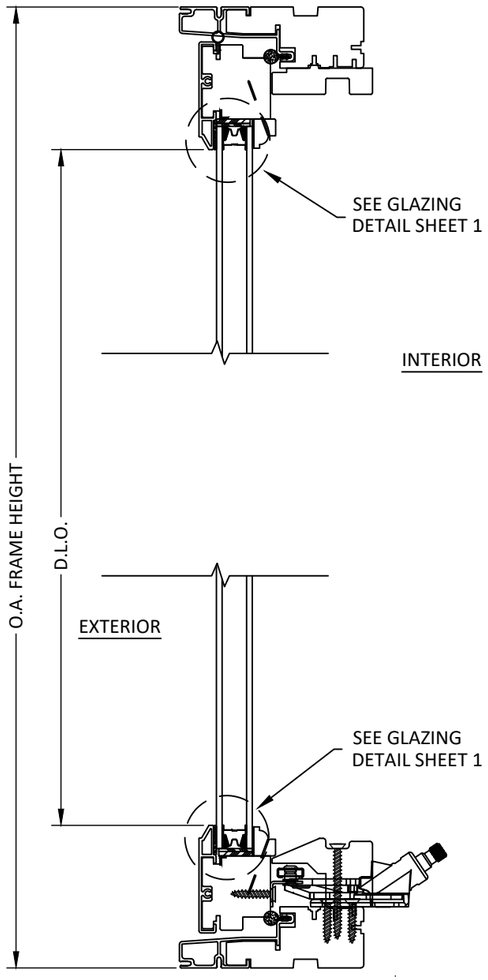
DWG. BY: RV | CHK. BY: HFN

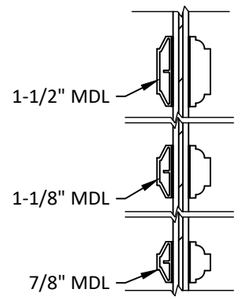
SCALE: NTS

DWG. #: AWD205

SHEET 5 OF 14



A/6 **VERTICAL SECTION**
INSULATED GLASS



OPTIONAL MUNTIN BAR ATTACHMENT TO GLASS

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VERTICAL SECTIONS

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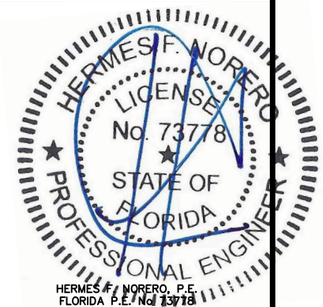

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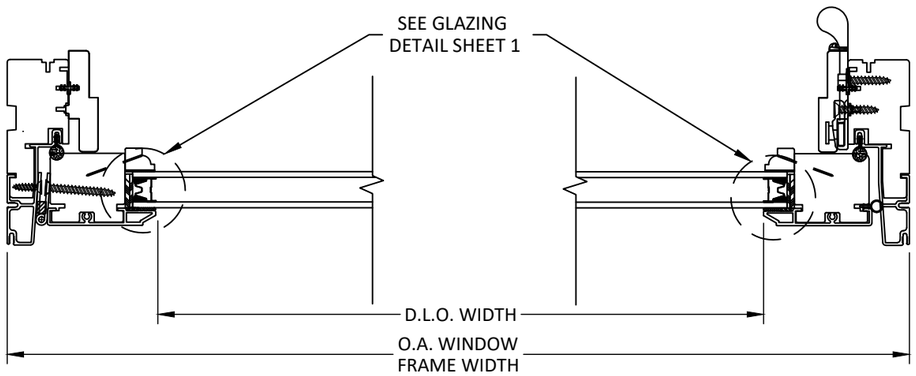
SHEET 6 OF 14

INTERIOR



EXTERIOR

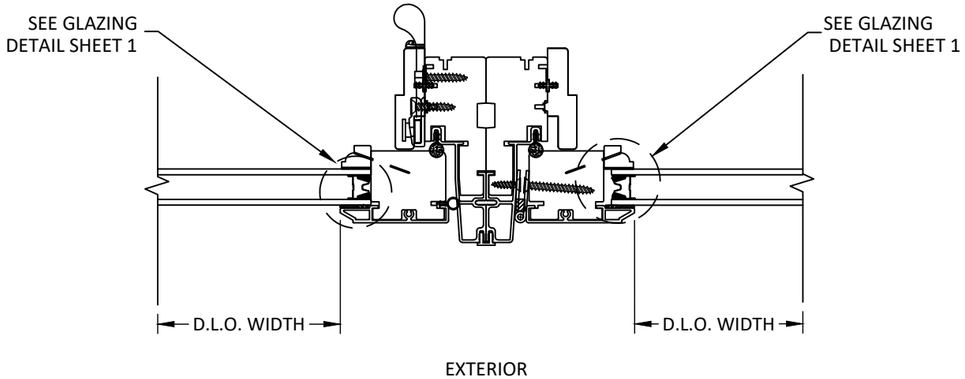
A/7 HORIZONTAL SECTION
INSULATED GLASS

INTERIOR

EXTERIOR

B/7 HORIZONTAL SECTION
INSULATED GLASS

INTERIOR



EXTERIOR

C/7 HORIZONTAL SECTION
INSULATED GLASS
ZERO MULLION

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TITLE:
E-SERIES ARCH
CASEMENT WINDOW
(NON IMPACT) (NON-HVHZ)
HORIZONTAL SECTIONS

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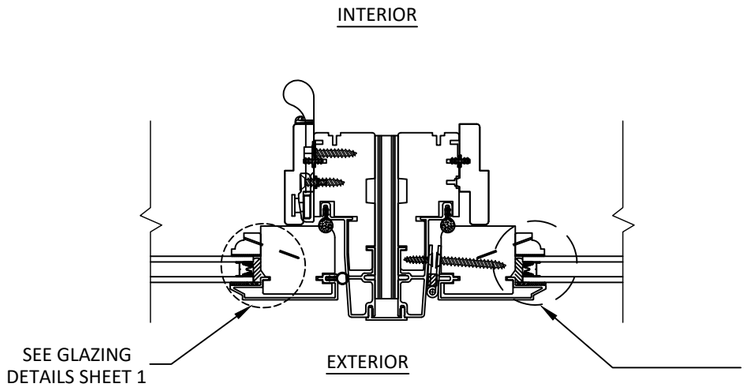
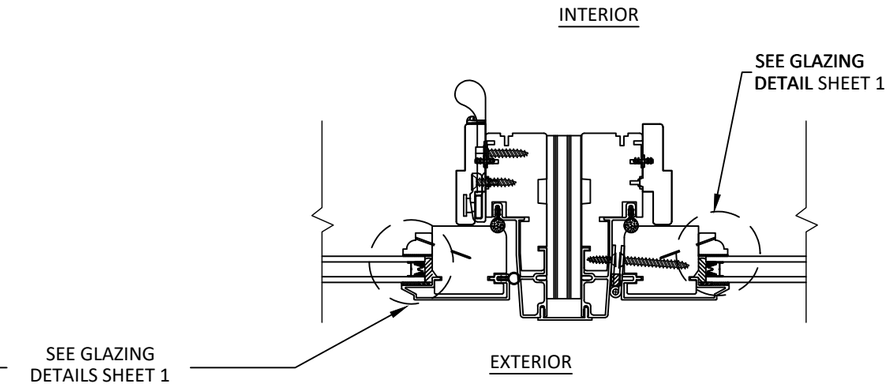
SCALE: NTS
DWG. #: AWD205
SHEET 7
OF 14



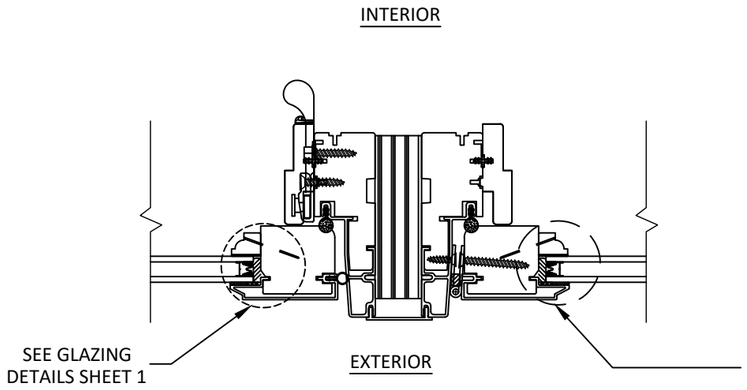
A/8 HORIZONTAL SECTION

INSULATED GLASS
1/2" X 3-1/2" MULLION



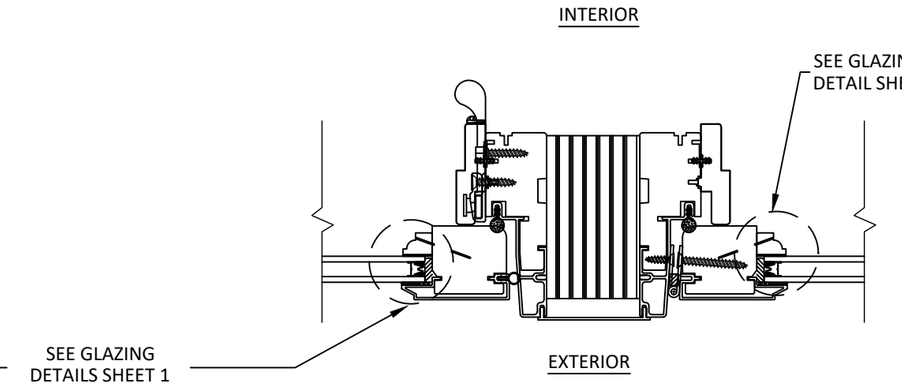
B/8 HORIZONTAL SECTION

INSULATED GLASS
3/4" X 3-1/2" MULLION



C/8 HORIZONTAL SECTION

INSULATED GLASS
1" X 3-1/2" MULLION



D/8 HORIZONTAL SECTION

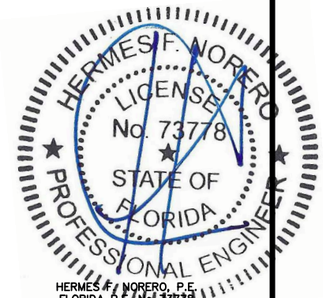
INSULATED GLASS
2" X 3-1/2" MULLION

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

TITLE:
E-SERIES ARCH CASEMENT WINDOW (NON IMPACT) (NON-HVHZ)
MULLED HORIZONTAL SECTIONS

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

REMARKS	BY	DATE
6TH FBC EDITION	FM	10/17
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/14
3/4" & ½" MULL ADDED	LL	08/5



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 #: FL24226

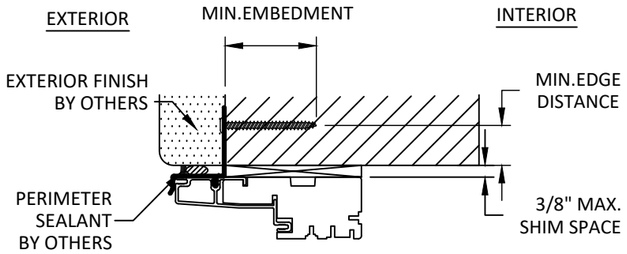
DATE: 10.12.17

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

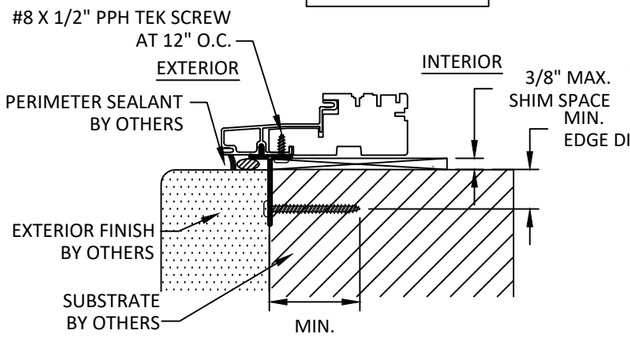
DWG. #: AWD205

SHEET 8



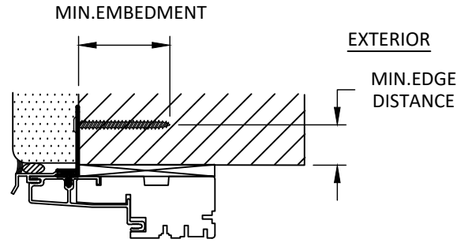
A 9 ANCHOR DETAILS
VINYL NAIL FIN

HEAD DETAIL



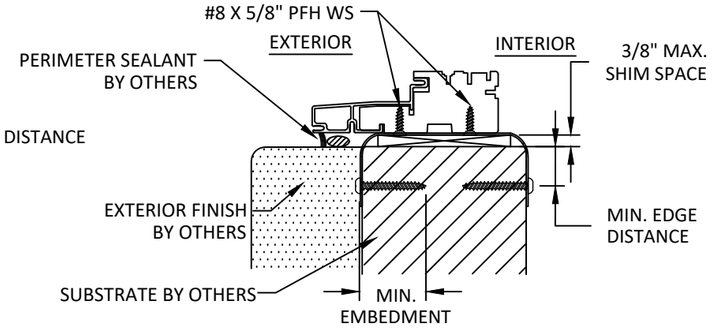
B 9 ANCHOR DETAIL
ALUMINUM NAIL FIN

HEAD, SILL AND JAMB HAVE SIMILAR DETAILS



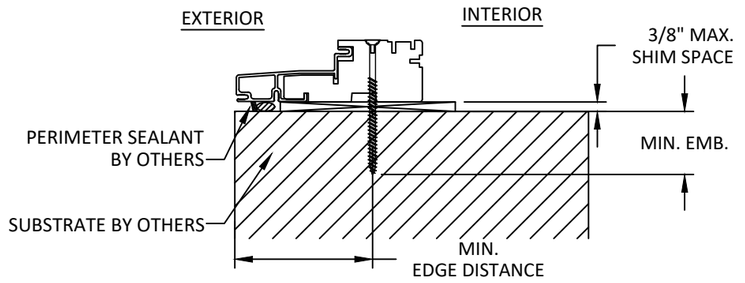
B 9 ANCHOR DETAILS
VINYL NAIL FIN

HEAD DETAIL



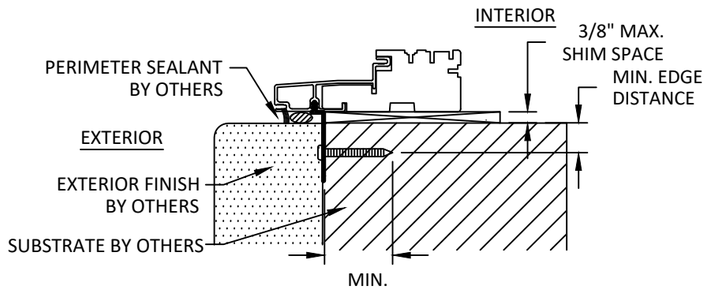
C 9 ANCHOR DETAIL
STRAP ANCHOR

HEAD, SILL AND JAMB HAVE SIMILAR DETAILS



A 9 ANCHOR DETAIL
THROUGH FRAME

HEAD, SILL AND JAMB HAVE SIMILAR DETAILS



D 9 ANCHOR DETAIL
VINYL NAIL FIN

JAMB HAS SIMILAR DETAILS

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE MENTIONED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. 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.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
7. 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.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE

INSTALLATION TYPE	QTY PER LOCATION	SUBSTRATE	ANCHOR TYPE	EMBEDMENT (IN.)	EDGE DISTANCE (IN.)
STRAP	2	WOOD	#8 WOOD ANCHOR	1.50	0.75
		CONCRETE/MASONRY	3/16" ITW TAPCON	1.25	2.50
		METAL STUD	#8 SELF-TAPPING SCREW	3 THREADS	N/A
THRU FRAME	1	WOOD	#10 WOOD ANCHOR	1.50	0.75
		CONCRETE/ MASONRY	3/16" ITW TAPCON	1.25	2.50
		METAL STUD	#10 SELF-TAPPING SCREW	3 THREADS	N/A
ALUMINUM FLANGE	1	WOOD	11 GA. ROOFING NAIL	1.50	0.75
		WOOD	#8 WOOD ANCHOR	1.50	0.75
		METAL STUD	#8 SELF-TAPPING SCREW	3 THREADS	N/A
VINYL NAILING FLANGE	1	WOOD	11 GA. ROOFING NAIL	1.50	0.75
		WOOD	#8 WOOD ANCHOR	1.50	0.75
		METAL STUD	#8 SELF-TAPPING SCREW	3 THREADS	N/A

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TITLE: *E-SERIES ARCH CASEMENT WINDOW (NON IMPACT) (NON-HVHZ)* 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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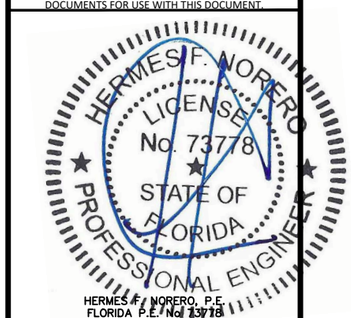
REMARKS	BY	DATE
6TH FBC EDITION	FM	10/17
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/14
3/4" & ½" MULL ADDED	LL	08/5

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

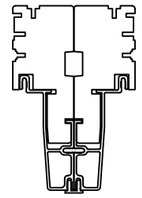
FL #: FL24226
DATE: 10.12.17
DWG. BY: RV | CHK. BY: HFN
SCALE: NTS
DWG. #: AWD205
SHEET 9
OF 14

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

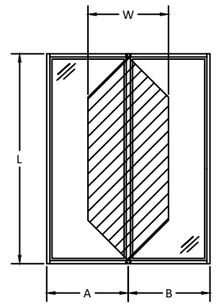
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	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	66.92	52.67	51.14	51.14	51.14	51.14	51.14	51.14	51.14	51.14	51.14	51.14	51.14	51.14	51.14
48.0	49.81	37.46	34.26	34.26	34.26	34.26	34.26	34.26	34.26	34.26	34.26	34.26	34.26	34.26	34.26
54.0	38.63	28.23	24.50	24.06	24.06	24.06	24.06	24.06	24.06	24.06	24.06	24.06	24.06	24.06	24.06
60.0	30.88	22.14	18.58	17.54	17.54	17.54	17.54	17.54	17.54	17.54	17.54	17.54	17.54	17.54	17.54
66.0	25.28	17.87	14.66	13.34	13.18	13.18	13.18	13.18	13.18	13.18	13.18	13.18	13.18	13.18	13.18
72.0	21.09	14.76	11.91	10.57	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15	10.15
78.0	17.87	12.41	9.89	8.62	8.06	7.98	7.98	7.98	7.98	7.98	7.98	7.98	7.98	7.98	7.98
84.0	15.34	10.59	8.36	7.19	6.58	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39
90.0	13.31	9.15	7.17	6.10	5.50	5.23	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
96.0	11.67	7.99	6.23	5.25	4.68	4.38	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
102.0	10.31	7.04	5.46	4.57	4.04	3.73	3.59	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57
108.0	9.18	6.25	4.83	4.02	3.53	3.23	3.06	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01
114.0	8.22	5.59	4.30	3.57	3.11	2.82	2.65	2.57	2.56	2.56	2.56	2.56	2.56	2.56	2.56
120.0	7.41	5.02	3.86	3.19	2.77	2.49	2.32	2.23	2.19	2.19	2.19	2.19	2.19	2.19	2.19
126.0	6.71	4.54	3.48	2.87	2.48	2.22	2.05	1.95	1.90	1.89	1.89	1.89	1.89	1.89	1.89
132.0	6.11	4.13	3.16	2.59	2.23	1.99	1.83	1.73	1.67	1.65	1.65	1.65	1.65	1.65	1.65
138.0	5.59	3.77	2.88	2.36	2.03	1.80	1.65	1.54	1.48	1.45	1.44	1.44	1.44	1.44	1.44
144.0	5.13	3.46	2.64	2.15	1.84	1.63	1.49	1.39	1.32	1.28	1.27	1.27	1.27	1.27	1.27
150.0	4.72	3.18	2.42	1.98	1.69	1.49	1.35	1.26	1.19	1.15	1.13	1.12	1.12	1.12	1.12
156.0	4.36	2.94	2.23	1.82	1.55	1.37	1.24	1.14	1.08	1.03	1.01	1.00	1.00	1.00	1.00
162.0	4.04	2.72	2.07	1.68	1.43	1.26	1.13	1.05	0.98	0.94	0.91	0.89	0.89	0.89	0.89
168.0	3.76	2.53	1.92	1.56	1.32	1.16	1.05	0.96	0.90	0.85	0.82	0.81	0.80	0.80	0.80
174.0	3.50	2.35	1.78	1.45	1.23	1.08	0.97	0.89	0.83	0.78	0.75	0.73	0.72	0.72	0.72
180.0	3.27	2.20	1.66	1.35	1.14	1.00	0.90	0.82	0.76	0.72	0.69	0.67	0.65	0.65	0.65
186.0	3.06	2.05	1.56	1.26	1.07	0.93	0.83	0.76	0.71	0.66	0.63	0.61	0.60	0.59	0.59
192.0	2.87	1.93	1.46	1.18	1.00	0.87	0.78	0.71	0.66	0.62	0.59	0.56	0.55	0.54	0.54

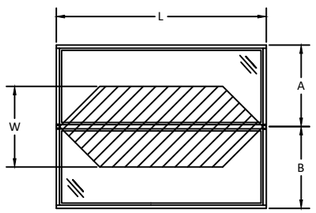
NOTE:

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 AS LISTED ON SHEET 9**
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





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

Andersen AW WINDOWS • DOORS
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TITLE: *E-SERIES ARCH CASEMENT WINDOW (NON IMPACT) (NON-HVHZ)* ZERO MULLION LOAD TABLE

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 EDITION	FM	10/17
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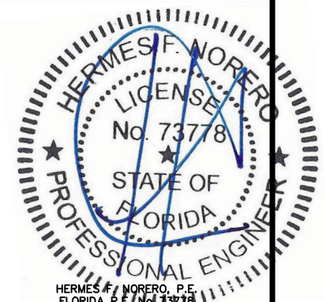
VINYL FIN ADDITION	HR	01/14
3/4" & ½" MULL ADDED	LL	08/5



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

FL #: FL24226

DATE: 10.12.17

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD205

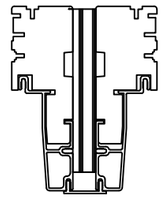
SHEET 10 OF 14

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

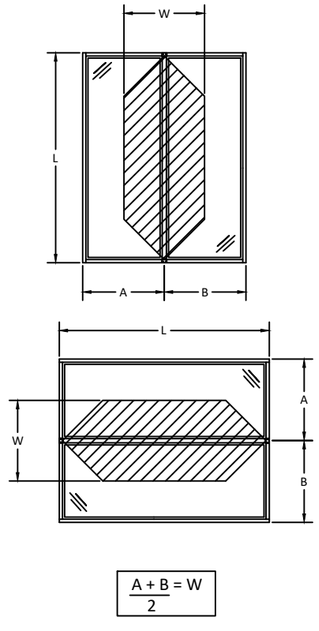
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	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	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	65.42	60.13	59.47	59.47	59.47	59.47	59.47	59.47	59.47	59.47	59.47	59.47	59.47
72.0	75.00	59.56	48.53	43.50	41.99	41.99	41.99	41.99	41.99	41.99	41.99	41.99	41.99	41.99	41.99
78.0	65.90	46.13	37.10	32.62	30.74	30.49	30.49	30.49	30.49	30.49	30.49	30.49	30.49	30.49	30.49
84.0	52.48	36.49	29.05	25.17	23.27	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67
90.0	42.48	29.38	23.20	19.88	18.09	17.31	17.20	17.20	17.20	17.20	17.20	17.20	17.20	17.20	17.20
96.0	34.87	24.02	18.85	16.00	14.39	13.56	13.29	13.29	13.29	13.29	13.29	13.29	13.29	13.29	13.29
102.0	28.99	19.89	15.53	13.09	11.65	10.85	10.48	10.43	10.43	10.43	10.43	10.43	10.43	10.43	10.43
108.0	24.36	16.66	12.95	10.85	9.59	8.83	8.43	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29
114.0	20.67	14.10	10.92	9.11	7.99	7.30	6.90	6.71	6.68	6.68	6.68	6.68	6.68	6.68	6.68
120.0	17.69	12.04	9.30	7.72	6.74	6.11	5.73	5.51	5.44	5.44	5.44	5.44	5.44	5.44	5.44
126.0	15.25	10.37	7.98	6.60	5.74	5.17	4.81	4.60	4.49	4.48	4.48	4.48	4.48	4.48	4.48
132.0	13.25	8.99	6.91	5.70	4.93	4.42	4.09	3.88	3.76	3.72	3.72	3.72	3.72	3.72	3.72
138.0	11.58	7.85	6.02	4.95	4.27	3.81	3.51	3.30	3.18	3.12	3.11	3.11	3.11	3.11	3.11
144.0	10.18	6.89	5.27	4.33	3.72	3.31	3.03	2.84	2.72	2.65	2.62	2.62	2.62	2.62	2.62
150.0	9.00	6.08	4.65	3.81	3.27	2.90	2.64	2.47	2.35	2.27	2.23	2.23	2.23	2.23	2.23
156.0	7.99	5.40	4.12	3.37	2.88	2.55	2.32	2.15	2.04	1.96	1.92	1.91	1.91	1.91	1.91
162.0	7.13	4.81	3.67	2.99	2.56	2.26	2.05	1.89	1.79	1.71	1.67	1.64	1.64	1.64	1.64
168.0	6.39	4.31	3.28	2.67	2.28	2.01	1.82	1.67	1.57	1.50	1.45	1.43	1.42	1.42	1.42
174.0	5.75	3.87	2.95	2.40	2.04	1.80	1.62	1.49	1.39	1.33	1.28	1.25	1.23	1.23	1.23
180.0	5.19	3.49	2.65	2.16	1.84	1.61	1.45	1.33	1.24	1.18	1.13	1.10	1.08	1.07	1.07
186.0	4.70	3.16	2.40	1.95	1.66	1.45	1.30	1.19	1.11	1.05	1.01	0.97	0.95	0.94	0.94
192.0	4.27	2.87	2.18	1.77	1.50	1.31	1.18	1.08	1.00	0.94	0.90	0.87	0.85	0.84	0.83

NOTE:

1) **MULLION CHART APPLIES TO 1/2" X 3-1/2" 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 AS LISTED ON SHEET 9**
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" MULLION PROFILE



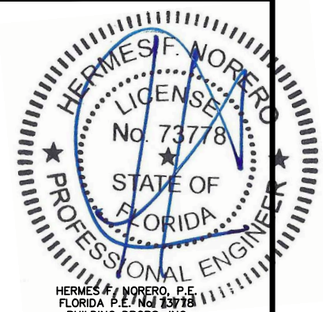
$$\frac{A + B}{2} = W$$

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

TITLE: *E-SERIES ARCH CASEMENT WINDOW (NON IMPACT) (NON-HVHZ)* 1/2" MULLION LOAD TABLE

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 EDITION	FM	10/17
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/14
3/4" & ½" MULL ADDED	LL	08/5



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 #: FL24226

DATE: 10.12.17

DWG. BY: RV | CHK. BY: HFN

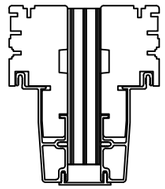
SCALE: NTS

DWG. #: AWD205

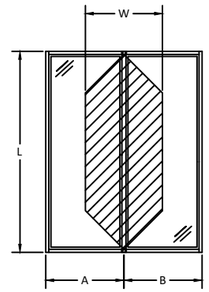
SHEET 11 OF 14

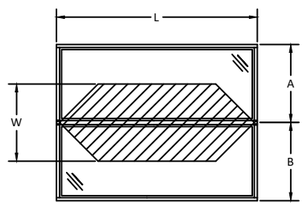
MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF)
3/4" x 3-1/2" STRUCTURAL MULLION (ONE-WAY) CONFIGURATION

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	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	67.94	55.36	49.62	47.90	47.90	47.90	47.90	47.90	47.90	47.90	47.90	47.90	47.90	47.90
78.0	75.00	52.62	42.32	37.21	35.06	34.77	34.77	34.77	34.77	34.77	34.77	34.77	34.77	34.77	34.77
84.0	59.86	41.63	33.13	28.71	26.54	25.85	25.85	25.85	25.85	25.85	25.85	25.85	25.85	25.85	25.85
90.0	48.45	33.52	26.47	22.68	20.64	19.74	19.62	19.62	19.62	19.62	19.62	19.62	19.62	19.62	19.62
96.0	39.78	27.40	21.50	18.25	16.41	15.46	15.16	15.16	15.16	15.16	15.16	15.16	15.16	15.16	15.16
102.0	33.07	22.69	17.71	14.93	13.29	12.37	11.95	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.89
108.0	27.78	19.01	14.77	12.38	10.94	10.07	9.62	9.46	9.46	9.46	9.46	9.46	9.46	9.46	9.46
114.0	23.57	16.09	12.46	10.39	9.12	8.33	7.87	7.65	7.62	7.62	7.62	7.62	7.62	7.62	7.62
120.0	20.17	13.74	10.60	8.81	7.69	6.97	6.53	6.29	6.21	6.21	6.21	6.21	6.21	6.21	6.21
126.0	17.40	11.82	9.10	7.53	6.55	5.90	5.49	5.24	5.12	5.11	5.11	5.11	5.11	5.11	5.11
132.0	15.11	10.25	7.88	6.50	5.62	5.05	4.66	4.42	4.29	4.24	4.24	4.24	4.24	4.24	4.24
138.0	13.21	8.95	6.86	5.65	4.87	4.35	4.00	3.77	3.63	3.56	3.55	3.55	3.55	3.55	3.55
144.0	11.61	7.86	6.01	4.94	4.25	3.78	3.46	3.24	3.10	3.02	2.99	2.99	2.99	2.99	2.99
150.0	10.27	6.94	5.30	4.34	3.73	3.31	3.01	2.81	2.68	2.59	2.55	2.54	2.54	2.54	2.54
156.0	9.12	6.16	4.70	3.84	3.29	2.91	2.64	2.46	2.33	2.24	2.19	2.17	2.17	2.17	2.17
162.0	8.14	5.49	4.18	3.42	2.92	2.58	2.33	2.16	2.04	1.95	1.90	1.87	1.87	1.87	1.87
168.0	7.29	4.91	3.74	3.05	2.60	2.29	2.07	1.91	1.79	1.71	1.66	1.63	1.62	1.62	1.62
174.0	6.56	4.42	3.36	2.74	2.33	2.05	1.85	1.70	1.59	1.51	1.46	1.42	1.41	1.40	1.40
180.0	5.92	3.99	3.03	2.46	2.09	1.84	1.65	1.52	1.42	1.34	1.29	1.25	1.23	1.23	1.23
186.0	5.36	3.61	2.74	2.23	1.89	1.66	1.49	1.36	1.27	1.20	1.15	1.11	1.09	1.08	1.08
192.0	4.87	3.28	2.49	2.02	1.71	1.50	1.34	1.23	1.14	1.07	1.03	0.99	0.97	0.95	0.95



3/4" X 3-1/2"
MULLION PROFILE





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

NOTE:

1) MULLION CHART APPLIES TO 3/4" X 3-1/2" 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 AS LISTED ON SHEET 9
6) TRIBUTARY WIDTH = W = (A+B)/2
7) WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.

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

TITLE:
E-SERIES ARCH CASEMENT WINDOW (NON IMPACT) (NON-HVHZ)
3/4" MULLION LOAD TABLE

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 EDITION	FM	10/17
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/14
3/4" & ½" MULL ADDED	LL	08/5

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 #: FL24226

DATE: 10.12.17

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD205

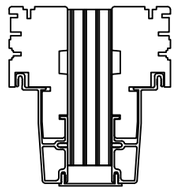
SHEET 12 OF 14

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

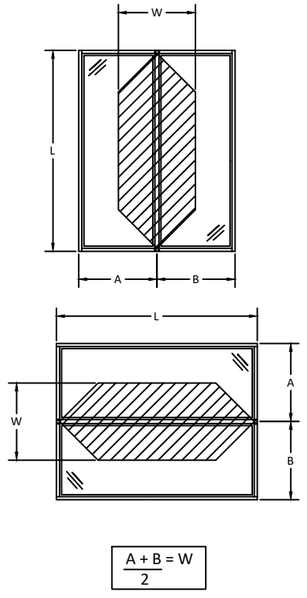
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	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	59.11	47.54	41.80	39.38	39.06	39.06	39.06	39.06	39.06	39.06	39.06	39.06	39.06	39.06
84.0	67.24	46.76	37.22	32.26	29.81	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04
90.0	54.43	37.65	29.73	25.47	23.19	22.18	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.04
96.0	44.69	30.78	24.15	20.50	18.44	17.37	17.02	17.02	17.02	17.02	17.02	17.02	17.02	17.02	17.02
102.0	37.14	25.49	19.90	16.77	14.93	13.90	13.43	13.36	13.36	13.36	13.36	13.36	13.36	13.36	13.36
108.0	31.21	21.35	16.60	13.90	12.28	11.32	10.80	10.63	10.63	10.63	10.63	10.63	10.63	10.63	10.63
114.0	26.48	18.07	13.99	11.67	10.24	9.35	8.84	8.60	8.56	8.56	8.56	8.56	8.56	8.56	8.56
120.0	22.66	15.43	11.91	9.89	8.63	7.83	7.34	7.07	6.97	6.97	6.97	6.97	6.97	6.97	6.97
126.0	19.55	13.28	10.23	8.46	7.35	6.63	6.17	5.89	5.76	5.74	5.74	5.74	5.74	5.74	5.74
132.0	16.98	11.52	8.85	7.30	6.32	5.67	5.24	4.97	4.82	4.76	4.76	4.76	4.76	4.76	4.76
138.0	14.84	10.05	7.71	6.34	5.47	4.89	4.49	4.23	4.08	4.00	3.99	3.99	3.99	3.99	3.99
144.0	13.05	8.83	6.76	5.55	4.77	4.25	3.89	3.64	3.48	3.39	3.36	3.36	3.36	3.36	3.36
150.0	11.53	7.79	5.96	4.88	4.19	3.71	3.39	3.16	3.00	2.91	2.86	2.86	2.86	2.86	2.86
156.0	10.24	6.92	5.28	4.32	3.69	3.27	2.97	2.76	2.61	2.52	2.46	2.44	2.44	2.44	2.44
162.0	9.14	6.17	4.70	3.84	3.28	2.89	2.62	2.43	2.29	2.19	2.13	2.10	2.10	2.10	2.10
168.0	8.19	5.52	4.20	3.43	2.92	2.57	2.33	2.15	2.02	1.92	1.86	1.83	1.82	1.82	1.82
174.0	7.37	4.96	3.77	3.07	2.62	2.30	2.07	1.91	1.79	1.70	1.64	1.60	1.58	1.58	1.58
180.0	6.65	4.48	3.40	2.77	2.35	2.07	1.86	1.71	1.59	1.51	1.45	1.41	1.39	1.38	1.38
186.0	6.03	4.05	3.08	2.50	2.12	1.86	1.67	1.53	1.43	1.35	1.29	1.25	1.22	1.21	1.21
192.0	5.48	3.68	2.79	2.27	1.92	1.68	1.51	1.38	1.28	1.21	1.15	1.11	1.09	1.07	1.06

NOTE:

1) **MULLION CHART APPLIES TO 1" X 3-1/2" 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 AS LISTED ON SHEET 9**
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" MULLION PROFILE



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

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

TITLE:
E-SERIES ARCH CASEMENT WINDOW (NON IMPACT) (NON-HVHZ)
1" MULLION LOAD TABLE

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 EDITION	FM	10/17
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/14
3/4" & ½" MULL ADDED	LL	08/5

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

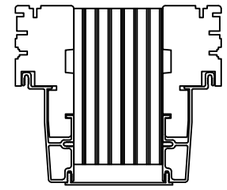
FL #: FL24226
DATE: 10.12.17
DWG. BY: RV
CHK. BY: HFN
SCALE: NTS
DWG. #: AWD205
SHEET 13
OF 14

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

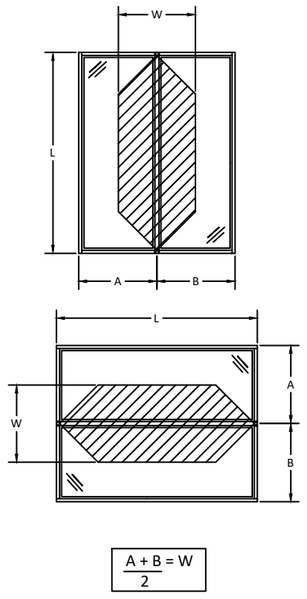
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***####***	***180.0***	***192.0***
24.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	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	36.66	33.37	31.92	31.72	31.72	31.72	31.72	31.72	31.72	31.72	31.72	31.72
96.0	64.31	44.29	34.75	29.51	26.53	25.00	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
102.0	53.46	36.68	28.63	24.13	21.49	20.00	19.32	19.23	19.23	19.23	19.23	19.23	19.23	19.23	19.23
108.0	44.92	30.73	23.88	20.01	17.68	16.29	15.55	15.30	15.30	15.30	15.30	15.30	15.30	15.30	15.30
114.0	38.11	26.01	20.14	16.79	14.74	13.46	12.72	12.37	12.32	12.32	12.32	12.32	12.32	12.32	12.32
120.0	32.62	22.21	17.14	14.23	12.43	11.27	10.56	10.17	10.04	10.04	10.04	10.04	10.04	10.04	10.04
126.0	28.13	19.12	14.72	12.18	10.58	9.54	8.87	8.48	8.29	8.26	8.26	8.26	8.26	8.26	8.26
132.0	24.43	16.58	12.73	10.50	9.09	8.16	7.54	7.15	6.93	6.85	6.85	6.85	6.85	6.85	6.85
138.0	21.36	14.47	11.09	9.13	7.87	7.03	6.47	6.09	5.87	5.76	5.74	5.74	5.74	5.74	5.74
150.0	16.60	11.22	8.57	7.02	6.02	5.35	4.87	4.55	4.32	4.19	4.12	4.11	4.11	4.11	4.11
156.0	14.74	9.95	7.60	6.21	5.32	4.71	4.28	3.97	3.76	3.62	3.54	3.51	3.51	3.51	3.51
162.0	13.16	8.87	6.76	5.52	4.72	4.17	3.77	3.49	3.29	3.16	3.07	3.03	3.02	3.02	3.02
168.0	11.79	7.94	6.05	4.93	4.21	3.71	3.35	3.09	2.90	2.77	2.68	2.63	2.61	2.61	2.61
174.0	10.60	7.14	5.43	4.42	3.77	3.31	2.99	2.75	2.57	2.45	2.36	2.30	2.27	2.27	2.27
180.0	9.57	6.44	4.90	3.98	3.39	2.97	2.67	2.45	2.29	2.17	2.09	2.03	1.99	1.98	1.98
186.0	8.67	5.83	4.43	3.60	3.06	2.68	2.41	2.20	2.05	1.94	1.86	1.80	1.76	1.74	1.74
192.0	7.88	5.30	4.02	3.26	2.77	2.42	2.17	1.99	1.84	1.74	1.66	1.60	1.56	1.54	1.53

NOTE:

1) **MULLION CHART APPLIES TO 2" X 3-1/2" 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 AS LISTED ON SHEET 9**
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"
MULLION PROFILE



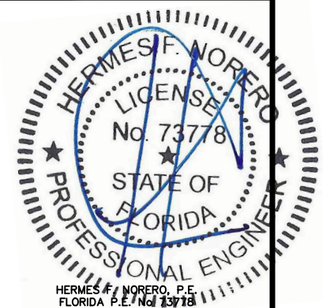
$$\frac{A + B = W}{2}$$

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

TITLE: *E-SERIES ARCH CASEMENT WINDOW (NON IMPACT) (NON-HVHZ)* 2" MULLION LOAD TABLE

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 EDITION	FM	10/17
MULL TABLES UPDATE	HR	11/30
VINYL FIN ADDITION	HR	01/14
3/4" & ½" MULL ADDED	LL	08/5



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 #: FL24226

DATE: 10.12.17

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD205

SHEET 14