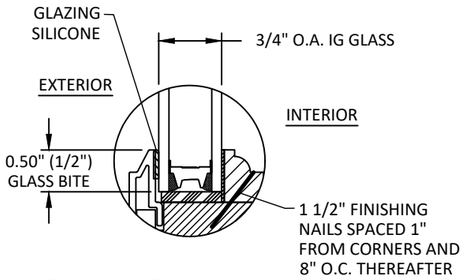
ANDERSEN CORPORATION

E-SERIES GLIDING & STATIONARY PATIO DOOR (NON-IMPACT) (NON-HVHZ)

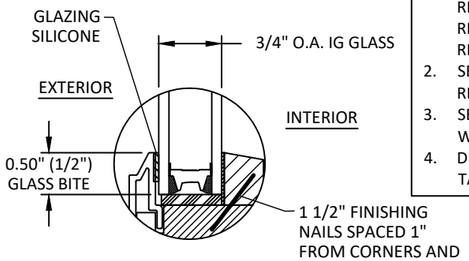
GENERAL NOTES:

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



GLAZING DETAIL - G1

SHOWN WITH COLONIAL GLASS STOP



GLAZING DETAIL - G2

SHOWN WITH CONTEMPORARY 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. DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLE ON SHEET 1.

TABLE OF CONTENTS

SHEET	REVISION	SHEET DESCRIPTION
1	B	GENERAL NOTES & GLAZING DETAILS
2	B	ELEVATIONS
3	B	ANCHOR LAYOUTS
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5	B	HORIZONTAL SECTIONS
6	B	ANCHOR DETAILS
7	B	ZERO MULLION & LOAD TABLE - ONE WAY
8	B	1/2" MULLION & LOAD TABLE - ONE WAY
9	B	3/4" MULLION & LOAD TABLE - ONE WAY
10	B	1" MULLION & LOAD TABLE - ONE WAY
11	B	2" MULLION & LOAD TABLE - ONE WAY

DESIGN PRESSURE RATING

O.A SIZE	CONFIGURATION	PANEL STYLE	DESIGN PRESSURE	MISSILE IMPACT RATING
71 3/4" X 96"	XO	SP1, SP2, SP4	+50.0 / -50.0 PSF	NON-IMPACT
95 3/4" X 96"	XO	SP1, SP2, SP4	+40.0 / -40.0 PSF	NON-IMPACT
95 3/4" X 96"	XO	SP3	+30.0 / -30.0 PSF	NON-IMPACT
142 1/4" X 96"	OXXO	SP1, SP2, SP4	+40.0 / -40.0 PSF	NON-IMPACT
190 1/4" X 96"	OXXO	SP1, SP2, SP3, SP4	+25.0 / -25.0 PSF	NON-IMPACT
50" X 96"	O	SP1, SP2, SP4	+50.0 / -50.0 PSF	NON-IMPACT
50" X 96"	O	SP3	+50.0 / -50.0 PSF	NON-IMPACT

NOTE: SEE SHEET 4 FOR PANEL STYLE (SP) DETAILS

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

TITLE: *E-SERIES GLIDING PATIO DOOR (NON-IMPACT) (NON-HVHZ)* GENERAL AND 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
ADDED 1/2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.14.19

Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2019.08.16 14:32:12 -04'00'

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HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
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FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL21476

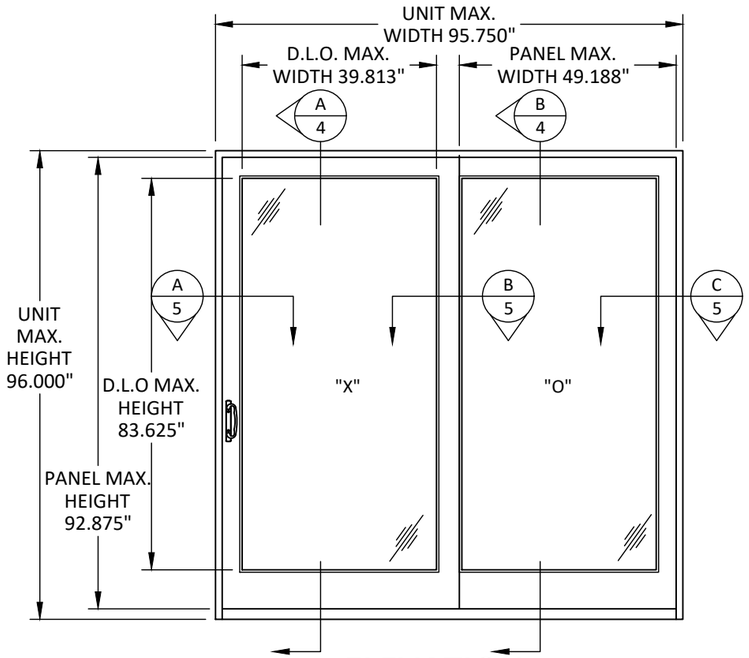
DATE: 01.09.18

DWG. BY: RV | CHK. BY: HFN

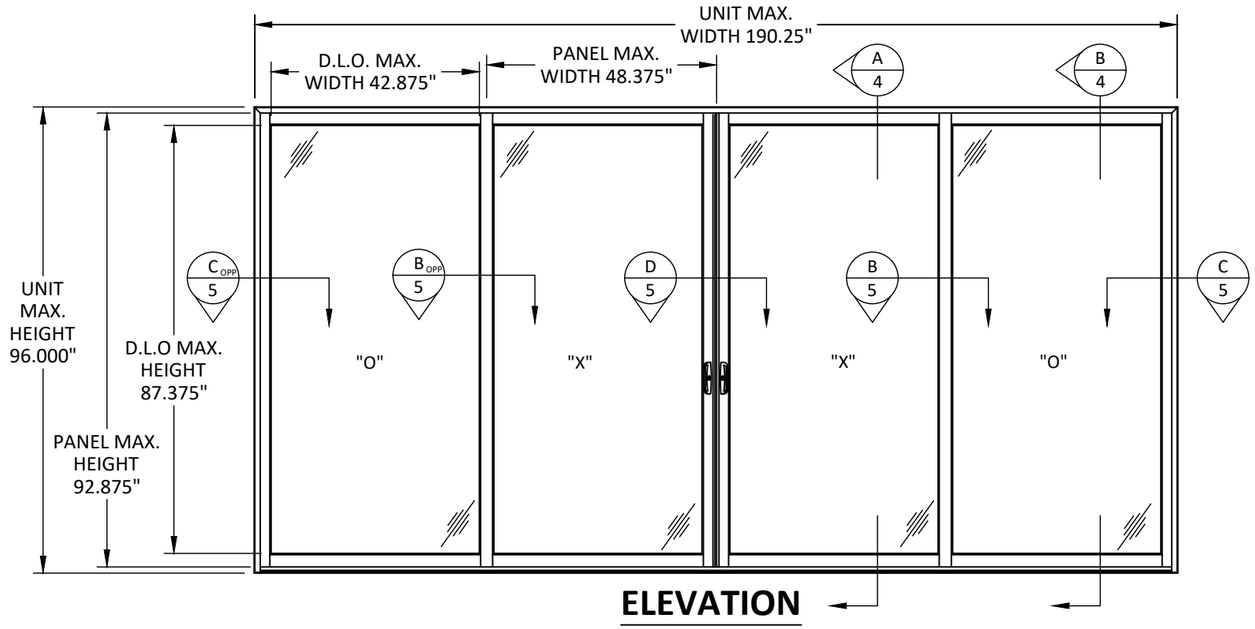
SCALE: NTS

DWG. #: AWD107

SHEET 1 OF 11



ELEVATION



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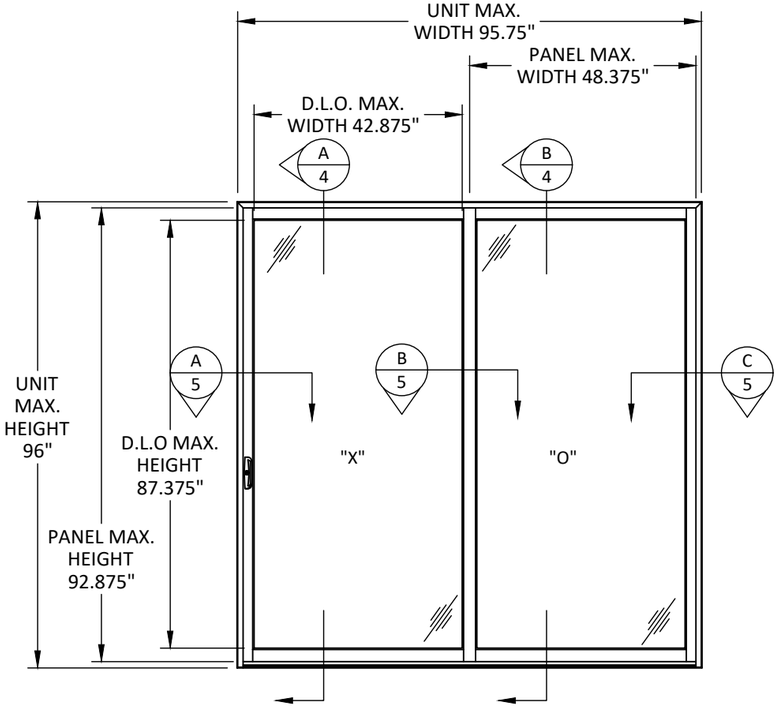

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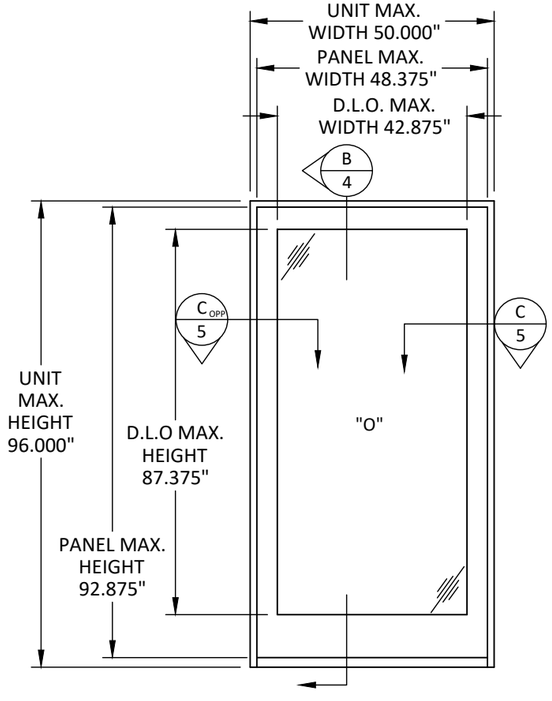
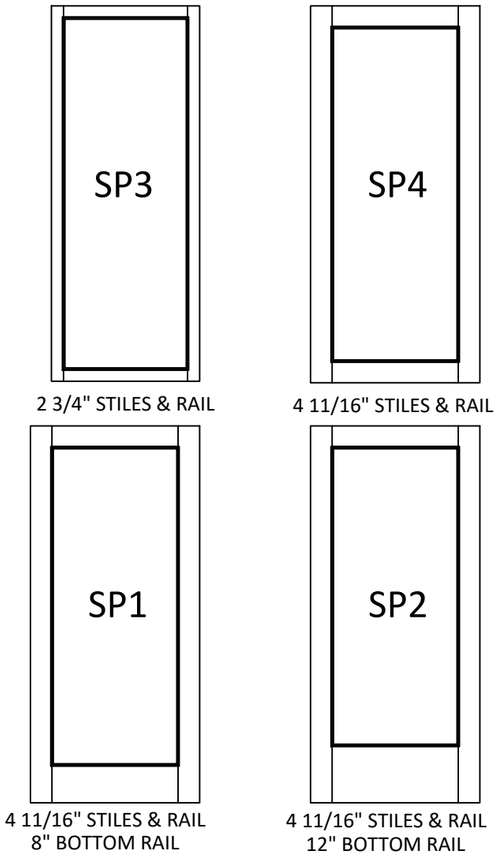


ELEVATION



2 3/4" STILES & RAIL

4 11/16" STILES & RAIL

4 11/16" STILES & RAIL
8" BOTTOM RAIL

4 11/16" STILES & RAIL
12" BOTTOM RAIL

QUALIFIED PANEL STYLES

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BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

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DANIA BEACH, FL 33004
PH: (954)399-8478
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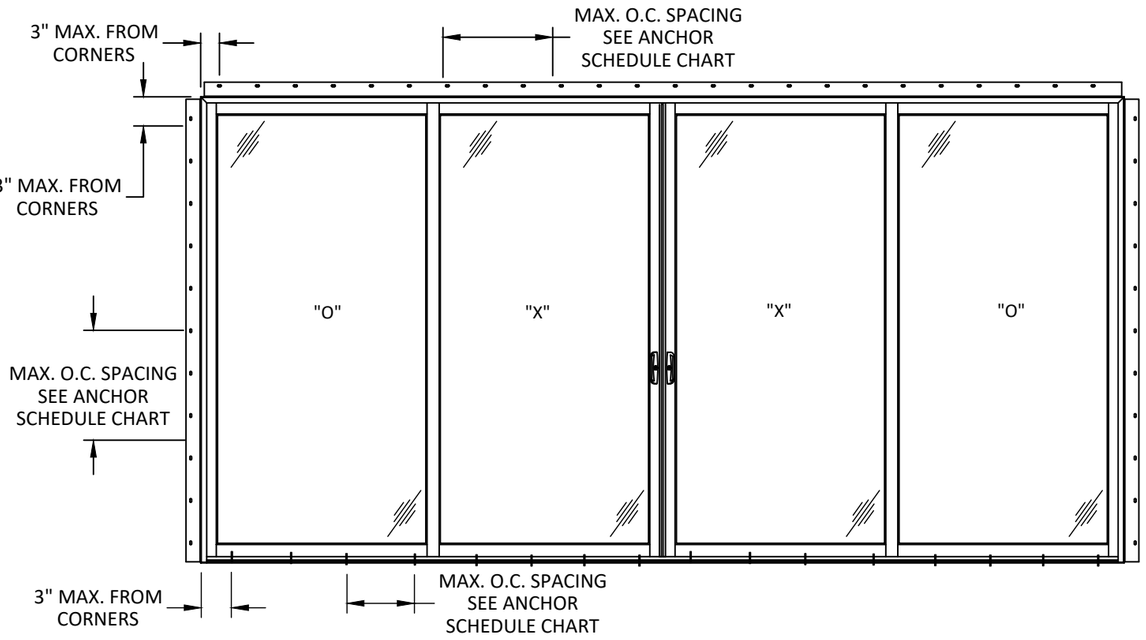
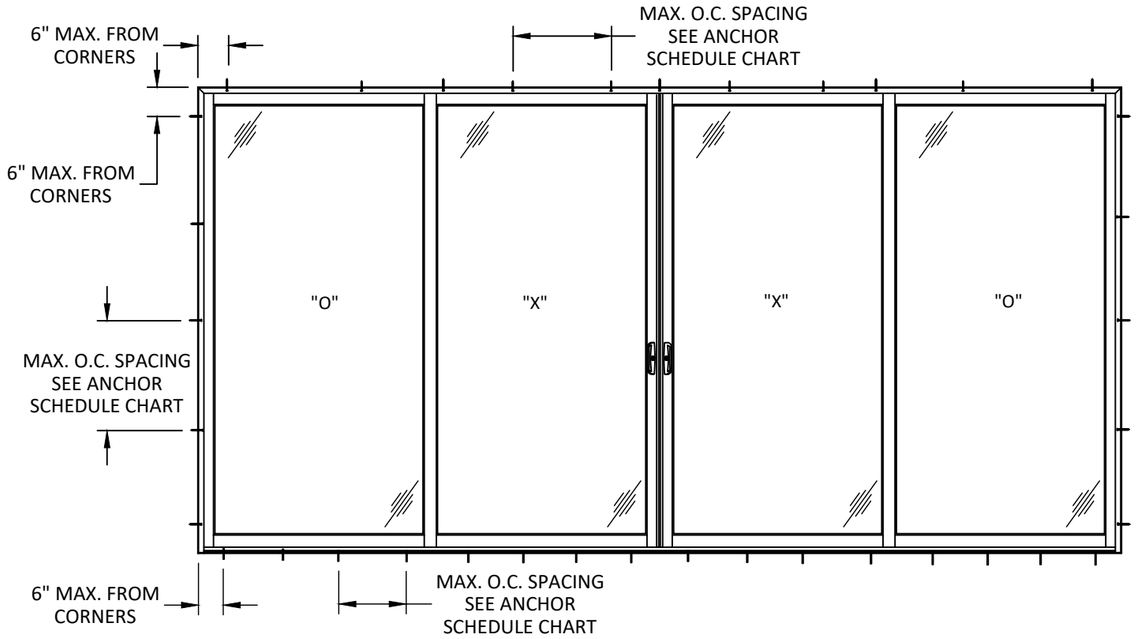
SHEET 2 OF 11



TYPICAL ANCHOR LAYOUT

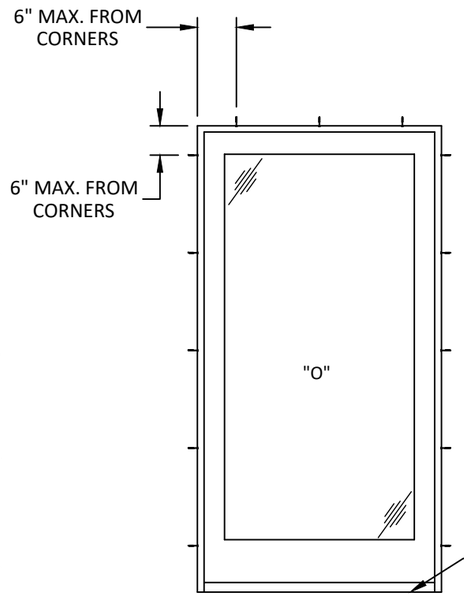
ALUMINUM FLANGE INSTALLATION
(QUALIFIES SMALLER UNITS)

ANCHOR SCHEDULE												
UNIT	CONFIG.	MAX. DESIGN PRESSURE	FIN		STRAP		THROUGH FRAME				
			HEAD	JAMB	HEAD	JAMB	HEAD	JAMB	SILL #14 WS	SILL #12 WS 1/4" ITW	SILL #12 TEK SCREW
71 3/4" X 96"	XO	+/- 50 PSF	11.0	12.0	24.0	24.0	8.5	12.0	9.5	9.5	14.0
95 3/4" X 96"	XO	+/- 40 PSF	12.0	12.0	24.0	24.0	10.5	21.0	14.0	12.0	16.5
142 1/4" X 96"	OXXO	+/- 40 PSF	10.0	12.0	16.0	24.0	8.5	24.0	10.0	9.0	14.0
190 1/4" X 96"	OXXO	+/- 25 PSF	16.0	12.0	24.0	24.0	13.5	24.0	16.0	14.5	22.0
50" X 96"	O	+/- 50 PSF	12.0	10.0	24.0	24.0	19.0	24.0	-	-	-
WS-WOOD SCREW											



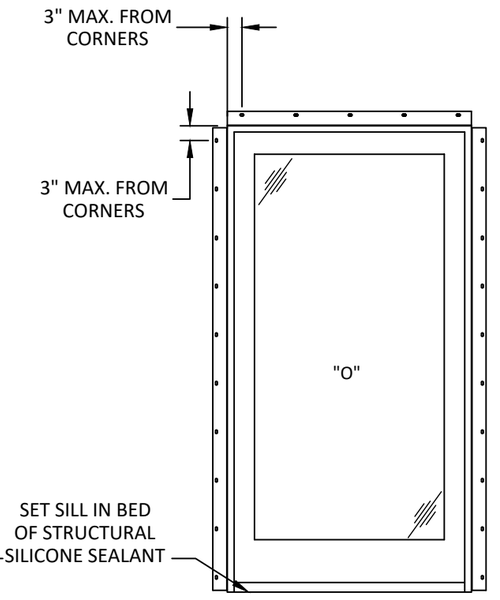
TYPICAL ANCHOR LAYOUT

THROUGH FRAME OR STRAP INSTALLATION
(QUALIFIES SMALLER UNITS)



ANCHOR LAYOUT

THROUGH FRAME/STRAP INSTALLATION



ANCHOR LAYOUT

ALUMINUM FLANGE INSTALLATION

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

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DANIA BEACH, FL 33004
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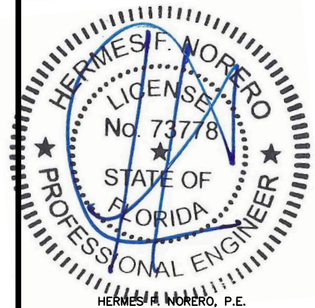

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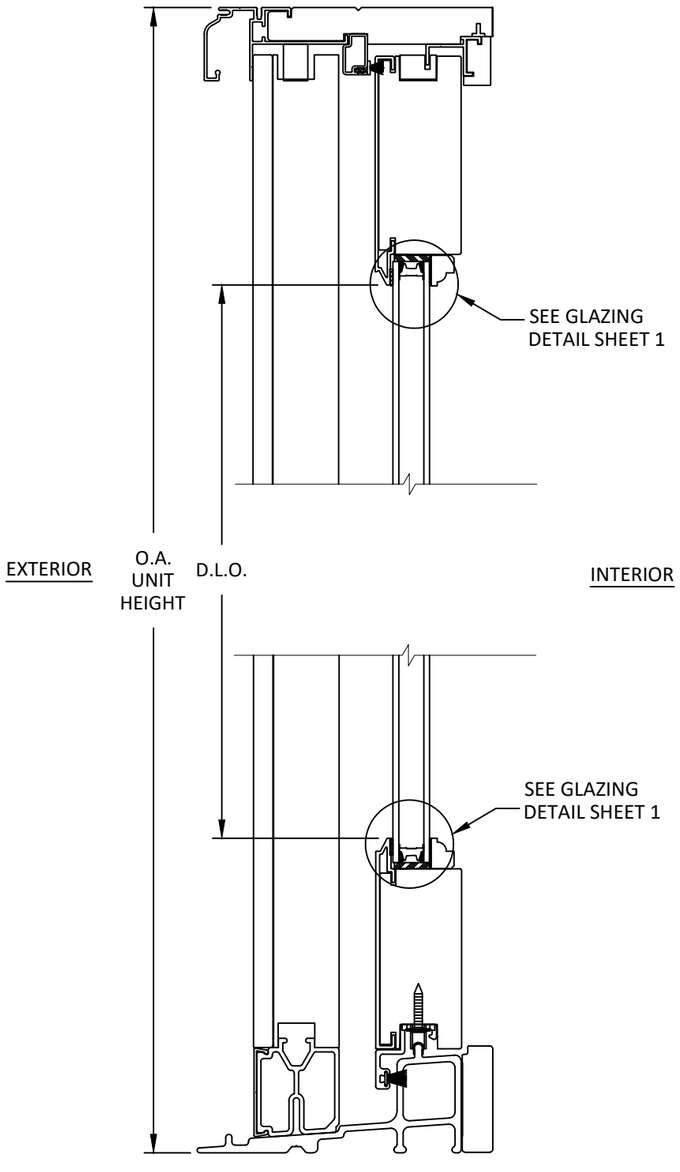
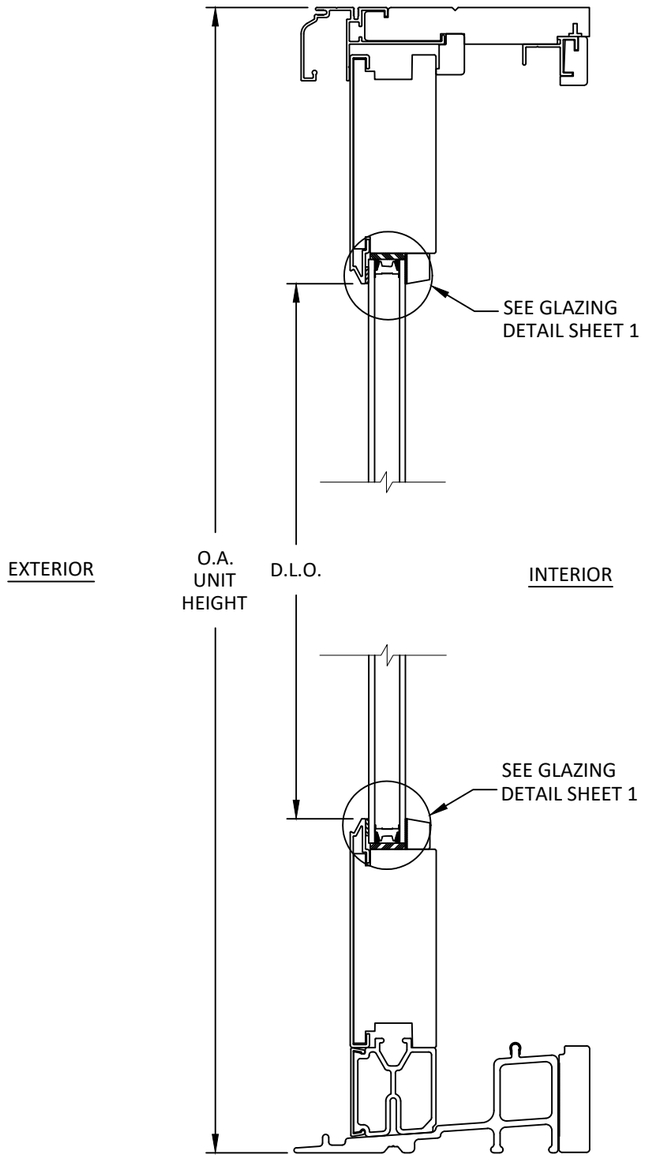
SHEET 3 OF 11



A/4 VERTICAL SECTION
OPERABLE PANEL



B/4 VERTICAL SECTION
FIXED PANEL

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

TITLE: *E-SERIES GLIDING PATIO DOOR (NON-IMPACT) (NON-HVHZ)* VERTICAL SECTIONS

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398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
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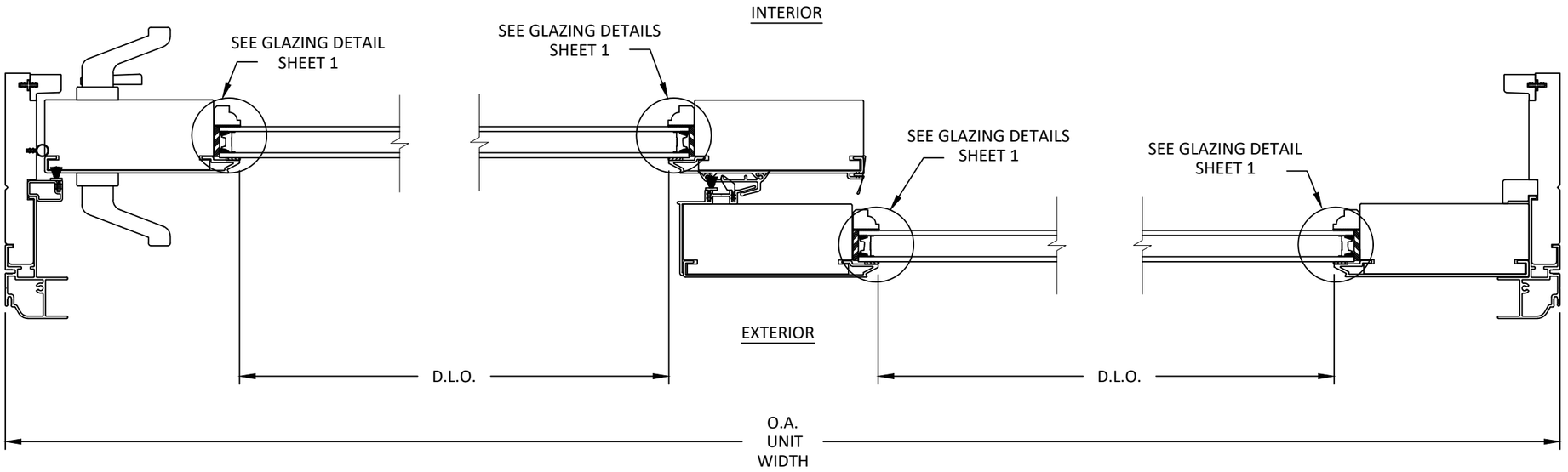
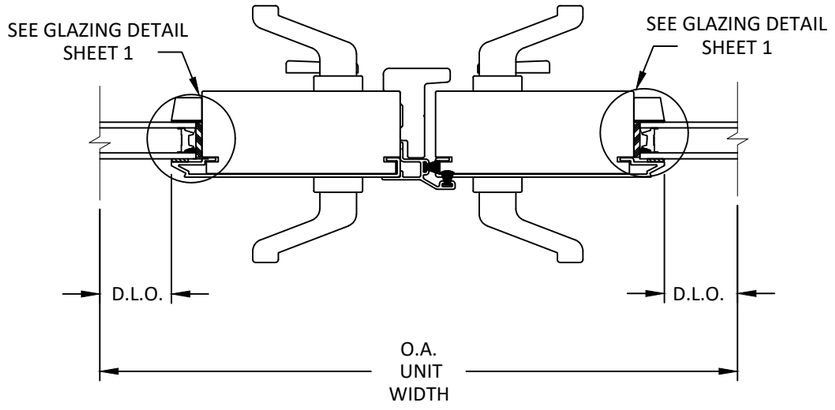
SHEET 4 OF 11



A/5 HORIZONTAL SECTION
LOCKING JAMB

B/5 HORIZONTAL SECTION
INTERLOCK

C/5 HORIZONTAL SECTION
FIXED JAMB



D/5 HORIZONTAL SECTION
ASTRAGAL

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

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398 E. DANIA BEACH BLVD., STE. 338
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PH: (954)399-8478
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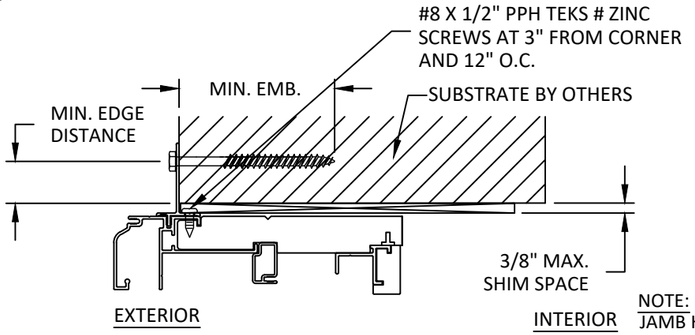
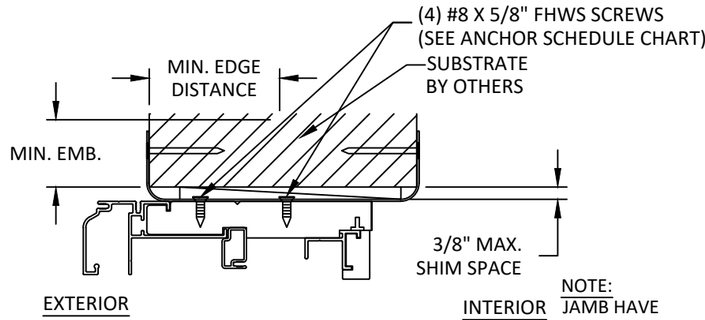
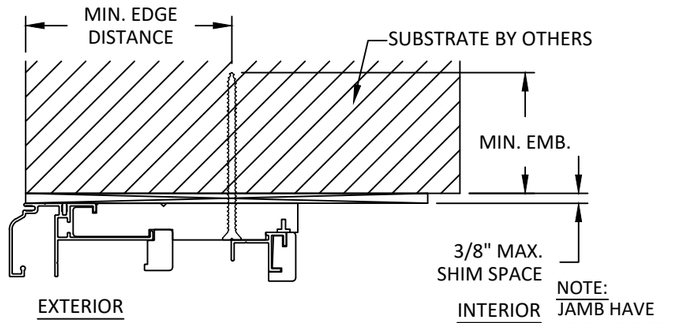
SHEET 5 OF 11



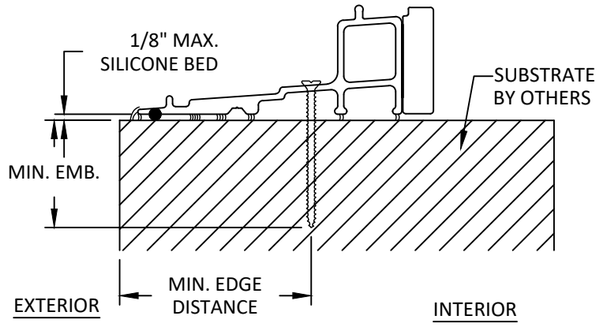
A/6 ANCHOR DETAIL
(THROUGH ALUMINUM NAIL FIN)



B/6 ANCHOR DETAIL
(THROUGH STRAP)



C/6 ANCHOR DETAIL
(THROUGH FRAME)



D/6 ANCHOR DETAIL
(THROUGH FRAME AT SILL) FOR XO & OXXO ONLY

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE SPECIFIED IN ANCHOR SCHEDULE.
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. FOR MASONRY OR CONCRETE OPENINGS, 1X WOOD BUCK MAY BE USED (OPTIONAL AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. 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.
9. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
10. SILL SHALL BE SET IN A BED OF STRUCTURAL SILICONE.

ANCHOR SCHEDULE

METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN EMBEDMENT	MIN. EDGE DISTANCE	NO OF ANCHORS PER LOCATION
THROUGH FRAME (HEAD AND JAMB)	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.5"	0.75"	1
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	1
THROUGH FRAME (SILL)	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.5"	0.75"	1
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#12 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	1
THROUGH FRAME (HEAD, SILL AND JAMB)	CONCRETE: f'c=2000PSI	1/4" ITW TAPCON	1.75"	2.5"	1
	MASONRY: CMU per ASTM C90	1/4" ITW TAPCON	1.75"	2.5"	1
THROUGH NAIL FIN	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1.5"	0.75"	1
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	1
THROUGH STRAP	WOOD: MIN. SG = 0.55	#8 WOOD SCREW	1.5"	0.75"	4
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"	4

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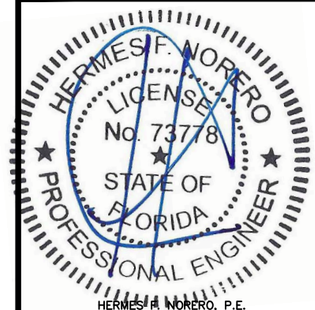

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FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL21476

DATE: 01.09.18

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD107

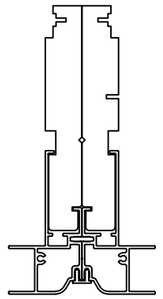
SHEET 6 OF 11

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

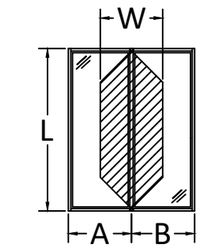
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	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	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	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
66.0	75.00	75.00	69.96	63.67	62.89	62.89	62.89	62.89	62.89	62.89	62.89	62.89	62.89	62.89	62.89
72.0	75.00	70.44	56.84	50.42	48.44	48.44	48.44	48.44	48.44	48.44	48.44	48.44	48.44	48.44	48.44
78.0	75.00	59.23	47.21	41.12	38.44	38.10	38.10	38.10	38.10	38.10	38.10	38.10	38.10	38.10	38.10
84.0	73.19	50.54	39.92	34.29	31.42	30.51	30.51	30.51	30.51	30.51	30.51	30.51	30.51	30.51	30.51
90.0	63.53	43.66	34.24	29.10	26.27	24.97	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80	24.80
96.0	55.68	38.12	29.72	25.05	22.35	20.91	20.44	20.44	20.44	20.44	20.44	20.44	20.44	20.44	20.44
102.0	46.90	32.18	25.12	21.17	18.86	17.55	16.95	16.87	16.87	16.87	16.87	16.87	16.87	16.87	16.87
108.0	39.41	26.96	20.95	17.56	15.51	14.29	13.64	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42
114.0	33.44	22.82	17.67	14.73	12.93	11.81	11.16	10.86	10.81	10.81	10.81	10.81	10.81	10.81	10.81
120.0	28.62	19.48	15.04	12.49	10.90	9.89	9.26	8.92	8.80	8.80	8.80	8.80	8.80	8.80	8.80
126.0	24.68	16.77	12.91	10.69	9.28	8.37	7.79	7.44	7.27	7.24	7.24	7.24	7.24	7.24	7.24
132.0	21.44	14.54	11.17	9.22	7.98	7.16	6.62	6.27	6.08	6.01	6.01	6.01	6.01	6.01	6.01
138.0	18.74	12.69	9.73	8.01	6.91	6.17	5.67	5.35	5.15	5.05	5.03	5.03	5.03	5.03	5.03
144.0	16.47	11.15	8.53	7.00	6.02	5.36	4.91	4.60	4.40	4.29	4.25	4.25	4.25	4.25	4.25
150.0	14.56	9.84	7.52	6.16	5.29	4.69	4.28	3.99	3.79	3.67	3.62	3.61	3.61	3.61	3.61
156.0	12.93	8.73	6.66	5.45	4.67	4.13	3.75	3.48	3.30	3.18	3.11	3.08	3.08	3.08	3.08
162.0	11.54	7.78	5.93	4.85	4.14	3.65	3.31	3.06	2.89	2.77	2.69	2.66	2.65	2.65	2.65
168.0	10.34	6.97	5.31	4.33	3.69	3.25	2.94	2.71	2.55	2.43	2.35	2.31	2.29	2.29	2.29
174.0	9.30	6.27	4.77	3.88	3.30	2.91	2.62	2.41	2.26	2.15	2.07	2.02	2.00	1.99	1.99
180.0	8.40	5.65	4.30	3.49	2.97	2.61	2.35	2.15	2.01	1.90	1.83	1.78	1.75	1.74	1.74
186.0	7.61	5.12	3.89	3.16	2.68	2.35	2.11	1.93	1.80	1.70	1.63	1.58	1.54	1.53	1.53
192.0	6.91	4.65	3.53	2.86	2.43	2.13	1.91	1.74	1.62	1.52	1.46	1.40	1.37	1.35	1.34

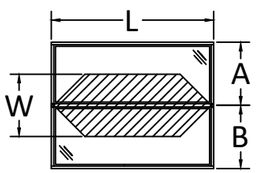
NOTE:

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 6.**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**



ZERO MULLION





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

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

TITLE: *E-SERIES GLIDING PATIO DOOR (NON-IMPACT) (NON-HVHZ)* ZERO 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
ADDED 1/2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.14.19

HERMES F. NORIEGA, P.E.
FLORIDA P.E. No 73778
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FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL21476

DATE: 01.09.18

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD107

SHEET 7 OF 11

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	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
30.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
36.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
42.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
48.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
54.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
60.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
66.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
72.0	60.00	60.00	60.00	58.18	55.90	55.90	55.90	55.90	55.90	55.90	55.90	55.90	55.90	55.90	55.90
78.0	60.00	60.00	54.48	47.45	44.35	43.96	43.96	43.96	43.96	43.96	43.96	43.96	43.96	43.96	43.96
84.0	60.00	58.32	46.06	39.57	36.26	35.20	35.20	35.20	35.20	35.20	35.20	35.20	35.20	35.20	35.20
90.0	60.00	50.38	39.50	33.58	30.31	28.81	28.62	28.62	28.62	28.62	28.62	28.62	28.62	28.62	28.62
96.0	60.00	43.98	34.29	28.90	25.79	24.12	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58
102.0	56.77	38.75	30.06	25.17	22.25	20.56	19.76	19.66	19.66	19.66	19.66	19.66	19.66	19.66	19.66
108.0	50.06	34.25	26.59	22.14	19.43	17.78	16.86	16.56	16.56	16.56	16.56	16.56	16.56	16.56	16.56
114.0	42.47	28.98	22.44	18.71	16.42	15.00	14.17	13.79	13.73	13.73	13.73	13.73	13.73	13.73	13.73
120.0	36.35	24.75	19.11	15.86	13.85	12.56	11.77	11.33	11.18	11.18	11.18	11.18	11.18	11.18	11.18
126.0	31.35	21.30	16.40	13.57	11.79	10.63	9.89	9.45	9.23	9.20	9.20	9.20	9.20	9.20	9.20
132.0	27.23	18.47	14.19	11.71	10.13	9.09	8.40	7.97	7.72	7.64	7.64	7.64	7.64	7.64	7.64
138.0	23.80	16.12	12.36	10.17	8.77	7.84	7.21	6.79	6.54	6.41	6.39	6.39	6.39	6.39	6.39
144.0	20.93	14.16	10.84	8.90	7.65	6.81	6.23	5.84	5.59	5.44	5.39	5.39	5.39	5.39	5.39
150.0	18.50	12.50	9.55	7.83	6.71	5.96	5.43	5.07	4.82	4.67	4.59	4.58	4.58	4.58	4.58
156.0	16.43	11.09	8.46	6.92	5.93	5.24	4.77	4.43	4.19	4.04	3.95	3.92	3.92	3.92	3.92
162.0	14.66	9.89	7.54	6.15	5.26	4.64	4.21	3.89	3.67	3.52	3.42	3.38	3.37	3.37	3.37
168.0	13.14	8.85	6.74	5.50	4.69	4.13	3.73	3.44	3.23	3.09	2.99	2.93	2.91	2.91	2.91
174.0	11.82	7.96	6.05	4.93	4.20	3.69	3.33	3.06	2.87	2.73	2.63	2.57	2.54	2.53	2.53
180.0	10.67	7.18	5.46	4.44	3.77	3.31	2.98	2.74	2.55	2.42	2.32	2.26	2.22	2.21	2.21
186.0	9.66	6.50	4.94	4.01	3.41	2.99	2.68	2.45	2.29	2.16	2.07	2.00	1.96	1.94	1.94
192.0	8.78	5.90	4.48	3.64	3.09	2.70	2.42	2.21	2.06	1.94	1.85	1.78	1.74	1.72	1.71

NOTE:

1) **MULLION CHART APPLIES TO 1/2" X 5-3/16" 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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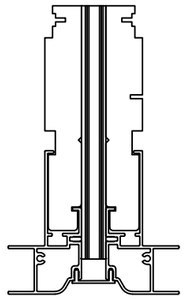
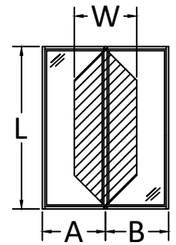
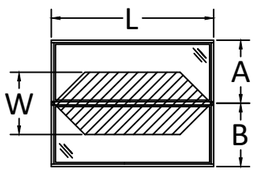


1/2 X 5 3/16" MULLION





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

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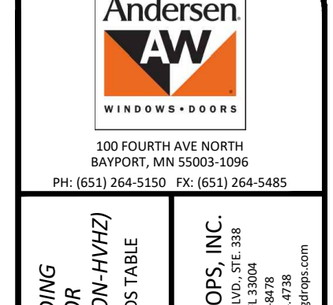
REMARKS	BY	DATE
ADDED 1/2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.14.19



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DATE: 01.09.18

DWG. BY: RV | CHK. BY: HFN

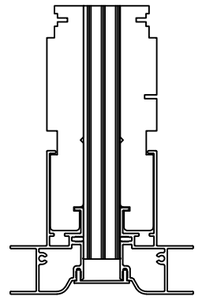
SCALE: NTS

DWG. #: AWD107

SHEET 8 OF 11

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

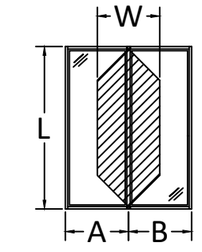
L - Mull Length (in)	W - Tributary Width (in)														
	24.0	***36.0***	***48.0***	***60.0***	***72.0***	***84.0***	***96.0***	***108.0***	***120.0***	***132.0***	***144.0***	***156.0***	***168.0***	***180.0***	***192.0***
24.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
30.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
36.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
42.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
48.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
54.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
60.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
66.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
72.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
78.0	60.00	60.00	60.00	58.02	54.24	53.76	53.76	53.76	53.76	53.76	53.76	53.76	53.76	53.76	53.76
84.0	60.00	60.00	56.32	48.38	44.34	43.05	43.05	43.05	43.05	43.05	43.05	43.05	43.05	43.05	43.05
90.0	60.00	60.00	48.31	41.06	37.06	35.23	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
96.0	60.00	53.79	41.93	35.34	31.53	29.50	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84
102.0	60.00	47.38	36.76	30.78	27.21	25.14	24.17	24.04	24.04	24.04	24.04	24.04	24.04	24.04	24.04
108.0	60.00	41.88	32.51	27.08	23.76	21.74	20.62	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25
114.0	51.94	35.44	27.45	22.88	20.08	18.35	17.33	16.86	16.79	16.79	16.79	16.79	16.79	16.79	16.79
120.0	44.45	30.26	23.37	19.40	16.93	15.36	14.39	13.86	13.68	13.68	13.68	13.68	13.68	13.68	13.68
126.0	38.34	26.05	20.06	16.60	14.42	13.01	12.09	11.55	11.29	11.25	11.25	11.25	11.25	11.25	11.25
132.0	33.30	22.59	17.35	14.32	12.39	11.12	10.28	9.74	9.45	9.34	9.34	9.34	9.34	9.34	9.34
138.0	29.11	19.72	15.12	12.44	10.73	9.59	8.81	8.30	7.99	7.84	7.82	7.82	7.82	7.82	7.82
144.0	25.59	17.31	13.25	10.88	9.36	8.33	7.62	7.14	6.83	6.66	6.60	6.60	6.60	6.60	6.60
150.0	22.62	15.29	11.68	9.57	8.21	7.29	6.64	6.20	5.89	5.71	5.62	5.60	5.60	5.60	5.60
156.0	20.09	13.56	10.35	8.47	7.25	6.41	5.83	5.41	5.12	4.94	4.83	4.79	4.79	4.79	4.79
162.0	17.93	12.09	9.22	7.53	6.43	5.68	5.14	4.76	4.49	4.30	4.18	4.13	4.12	4.12	4.12
168.0	16.06	10.83	8.24	6.72	5.73	5.05	4.56	4.21	3.95	3.77	3.65	3.59	3.56	3.56	3.56
174.0	14.45	9.73	7.40	6.03	5.13	4.51	4.07	3.74	3.50	3.33	3.21	3.14	3.10	3.09	3.09
180.0	13.05	8.78	6.67	5.43	4.62	4.05	3.64	3.34	3.12	2.96	2.84	2.76	2.72	2.70	2.70
186.0	11.82	7.95	6.04	4.90	4.17	3.65	3.28	3.00	2.80	2.64	2.53	2.45	2.40	2.37	2.37
192.0	10.74	7.22	5.48	4.45	3.77	3.30	2.96	2.71	2.51	2.37	2.26	2.18	2.13	2.10	2.09

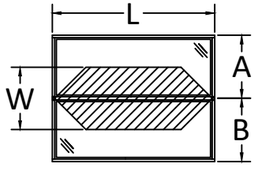


3/4" X 5 3/16" MULLION

NOTE:

1) **MULLION CHART APPLIES TO 3/4" X 5-3/16" 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 6.**
6) **TRIBUTARY WIDTH = W = (A+B)/2**
7) **WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**





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

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

TITLE: *E-SERIES GLIDING PATIO DOOR (NON-IMPACT) (NON-HVHZ)* 3/4" 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
ADDED 1/2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.14.19

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

FL #: FL21476

DATE: 01.09.18

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD107

SHEET 9 OF 11

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	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
30.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
36.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
42.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
48.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
54.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
60.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
66.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
72.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
78.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
84.0	60.00	60.00	60.00	57.20	52.42	50.89	50.89	50.89	50.89	50.89	50.89	50.89	50.89	50.89	50.89
90.0	60.00	60.00	57.11	48.54	43.82	41.65	41.38	41.38	41.38	41.38	41.38	41.38	41.38	41.38	41.38
96.0	60.00	60.00	49.57	41.79	37.28	34.88	34.09	34.09	34.09	34.09	34.09	34.09	34.09	34.09	34.09
102.0	60.00	56.02	43.46	36.39	32.17	29.73	28.57	28.42	28.42	28.42	28.42	28.42	28.42	28.42	28.42
108.0	60.00	49.51	38.44	32.01	28.09	25.70	24.38	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94
114.0	60.00	41.90	32.45	27.05	23.74	21.69	20.49	19.94	19.85	19.85	19.85	19.85	19.85	19.85	19.85
120.0	52.55	35.78	27.62	22.94	20.02	18.16	17.01	16.39	16.17	16.17	16.17	16.17	16.17	16.17	16.17
126.0	45.32	30.80	23.72	19.62	17.05	15.38	14.30	13.66	13.35	13.30	13.30	13.30	13.30	13.30	13.30
132.0	39.37	26.71	20.52	16.93	14.65	13.14	12.15	11.52	11.17	11.04	11.04	11.04	11.04	11.04	11.04
138.0	34.41	23.31	17.87	14.71	12.68	11.33	10.42	9.82	9.45	9.27	9.25	9.25	9.25	9.25	9.25
144.0	30.25	20.47	15.67	12.86	11.06	9.85	9.01	8.45	8.08	7.87	7.80	7.80	7.80	7.80	7.80
150.0	26.74	18.07	13.81	11.31	9.71	8.61	7.85	7.32	6.97	6.75	6.64	6.62	6.62	6.62	6.62
156.0	23.75	16.04	12.24	10.01	8.57	7.58	6.89	6.40	6.06	5.84	5.71	5.66	5.66	5.66	5.66
162.0	21.20	14.30	10.90	8.90	7.60	6.71	6.08	5.63	5.30	5.08	4.95	4.88	4.87	4.87	4.87
168.0	18.99	12.80	9.75	7.95	6.78	5.97	5.39	4.98	4.67	4.46	4.32	4.24	4.21	4.21	4.21
174.0	17.08	11.51	8.75	7.13	6.07	5.34	4.81	4.43	4.14	3.94	3.80	3.71	3.67	3.66	3.66
180.0	15.42	10.38	7.89	6.42	5.46	4.79	4.31	3.95	3.69	3.50	3.36	3.27	3.21	3.19	3.19
186.0	13.97	9.40	7.14	5.80	4.92	4.32	3.88	3.55	3.30	3.12	2.99	2.90	2.84	2.81	2.80
192.0	12.70	8.54	6.48	5.26	4.46	3.90	3.50	3.20	2.97	2.80	2.67	2.58	2.52	2.48	2.47

NOTE:

1) **MULLION CHART APPLIES TO 1" X 5-3/16" 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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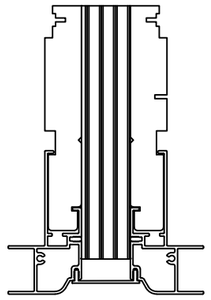
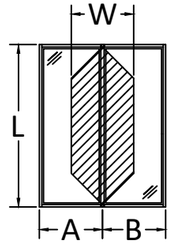
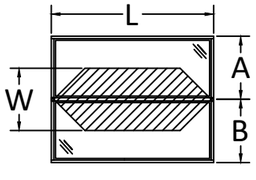


1" X 5 3/16" MULLION





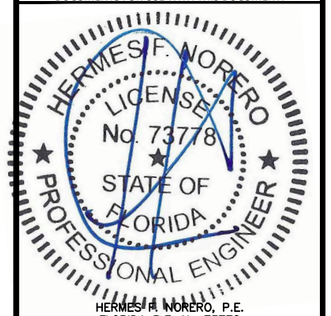
$$\frac{A + B = W}{2}$$

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

TITLE: *E-SERIES GLIDING PATIO DOOR (NON-IMPACT) (NON-HVHZ)* 1" 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
ADDED 1/2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.14.19



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

FL #: FL21476

DATE: 01.09.18

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD107

SHEET 10 OF 11

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	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
30.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
36.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
42.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
48.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
54.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
60.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
66.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
72.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
78.0	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
84.0	60.00	60.00	60.00	60.00	56.33	55.18	55.18	55.18	55.18	55.18	55.18	55.18	55.18	55.18	55.18
90.0	60.00	60.00	60.00	54.08	50.07	48.29	48.07	48.07	48.07	48.07	48.07	48.07	48.07	48.07	48.07
96.0	60.00	60.00	56.33	49.16	45.07	42.92	42.25	42.25	42.25	42.25	42.25	42.25	42.25	42.25	42.25
102.0	60.00	60.00	52.00	45.07	40.97	38.63	37.56	37.43	37.43	37.43	37.43	37.43	37.43	37.43	37.43
108.0	60.00	60.00	48.29	41.60	37.56	35.12	33.80	33.38	33.38	33.38	33.38	33.38	33.38	33.38	33.38
114.0	60.00	56.33	45.07	38.63	34.67	32.19	30.73	30.04	29.96	29.96	29.96	29.96	29.96	29.96	29.96
120.0	60.00	53.02	42.25	36.05	32.19	29.36	27.50	26.49	26.14	26.14	26.14	26.14	26.14	26.14	26.14
126.0	60.00	49.79	38.34	31.72	27.56	24.86	23.12	22.08	21.58	21.51	21.51	21.51	21.51	21.51	21.51
132.0	60.00	43.18	33.17	27.36	23.68	21.25	19.64	18.62	18.05	17.85	17.85	17.85	17.85	17.85	17.85
138.0	55.63	37.69	28.89	23.77	20.51	18.32	16.85	15.87	15.28	14.99	14.95	14.95	14.95	14.95	14.95
144.0	48.91	33.09	25.33	20.79	17.88	15.92	14.57	13.65	13.06	12.73	12.61	12.61	12.61	12.61	12.61
150.0	43.23	29.22	22.33	18.29	15.69	13.93	12.70	11.84	11.27	10.91	10.74	10.71	10.71	10.71	10.71
156.0	38.40	25.93	19.79	16.18	13.85	12.26	11.14	10.34	9.79	9.43	9.23	9.15	9.15	9.15	9.15
162.0	34.27	23.11	17.62	14.38	12.29	10.85	9.83	9.10	8.58	8.22	8.00	7.89	7.87	7.87	7.87
168.0	30.70	20.69	15.76	12.85	10.96	9.65	8.72	8.05	7.56	7.21	6.99	6.85	6.80	6.80	6.80
174.0	27.62	18.60	14.15	11.52	9.81	8.63	7.78	7.15	6.70	6.37	6.14	6.00	5.93	5.91	5.91
180.0	24.94	16.78	12.75	10.37	8.82	7.74	6.97	6.39	5.97	5.66	5.43	5.28	5.20	5.16	5.16
186.0	22.59	15.19	11.54	9.37	7.96	6.98	6.27	5.74	5.34	5.05	4.83	4.68	4.59	4.54	4.53
192.0	20.53	13.80	10.47	8.50	7.21	6.31	5.66	5.17	4.80	4.53	4.32	4.17	4.07	4.01	3.99

NOTE:

1) **MULLION CHART APPLIES TO 2" X 5-3/16" 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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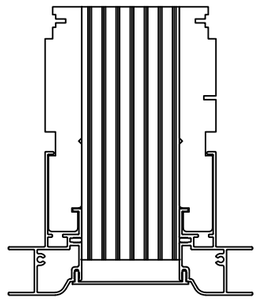
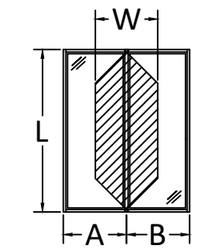
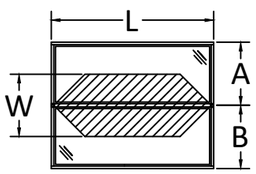


2" X 5 3/16" MULLION





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

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

TITLE: *E-SERIES GLIDING PATIO DOOR (NON-IMPACT) (NON-HVHZ)* 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
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REMARKS	BY	DATE
ADDED 1/2" MULL	HR	4.12.19
MULLS & DP CHARTS UPDATE	LL	8.14.19

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

FL #: FL21476

DATE: 01.09.18

DWG. BY: RV | CHK. BY: HFN

SCALE: NTS

DWG. #: AWD107

SHEET 11 OF 11