

c:\users\msun\building drops, inc\building drops landing - common\projects\andersen windows\fbce-22-0148 - fbc submittal - rta daylight mullion (4-9.16 inch, 5-9.16 inch, 6-9.16 inch)\dwg\awd333.dwg 5/2/2024 11:24 AM

ANDERSEN CORPORATION

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

INSTALLATION NOTES:

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

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) **EXCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA 450-20
 - ASTM E283-04(12)
 - ASTM E330-14
 - ASTM E547-00(16)
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- MULLION MATERIAL: FIBERGLASS/FIBREX
- IN ACCORDANCE WITH THE CURRENT FBC, DISSIMILAR METALS INCLUDING FASTENERS SHALL BE PROTECTED FROM GALVANIC CORROSION.
- CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.
- INTERIOR TRIM OPTIONS MAY VARY IN ACCORDANCE WITH ANDERSEN'S RECOMMENDATIONS.
- MULL ASSEMBLIES ARE QUALIFIED FOR TWO OR MORE UNITS PER OPENING IN THE FOLLOWING CONFIGURATION:
 - "ONE WAY" - RIBBON OR STACKED MULLIONS
 - "TWO WAY" - 'X' OR 'T' MULLIONSSEE SHEETS 5-12 FOR TYPICAL ELEVATION TYPES.

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1	GENERAL AND INSTALLATION NOTES
2	MULLION ASSEMBLY SECTIONS
3	MULLION ASSEMBLY DETAILS
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11	MULLION TABLES AND INSTALLATION NOTES
12	MULLION TABLES AND INSTALLATION NOTES
13	COMPONENT DETAILS

IMPACT RATING
NON-IMPACT

MULLING INSTRUCTIONS:

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



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
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TITLE:
RENEWAL by ANDERSEN
DAYLIGHT MULLION
(NON-HVHZ) (NON-IMPACT)

GENERAL AND INSTALLATION NOTES

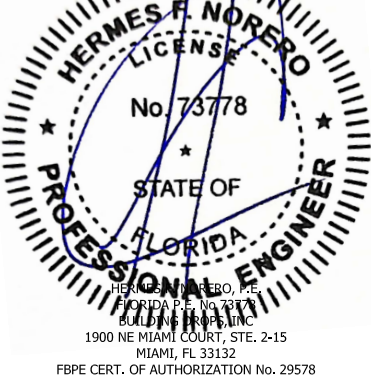
PREPARED BY:

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

REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.05.02 15:15:17 -04'00'



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FL19971

DATE: **04.17.23**

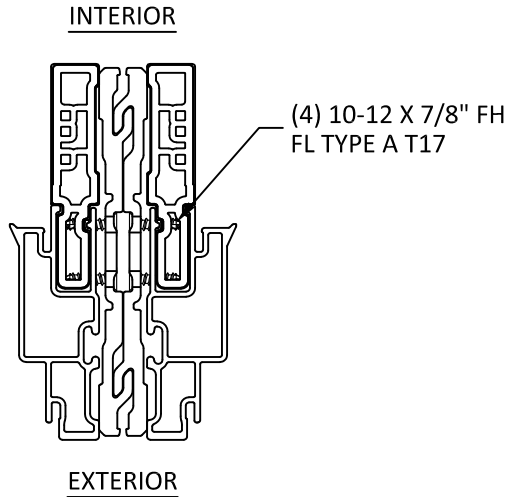
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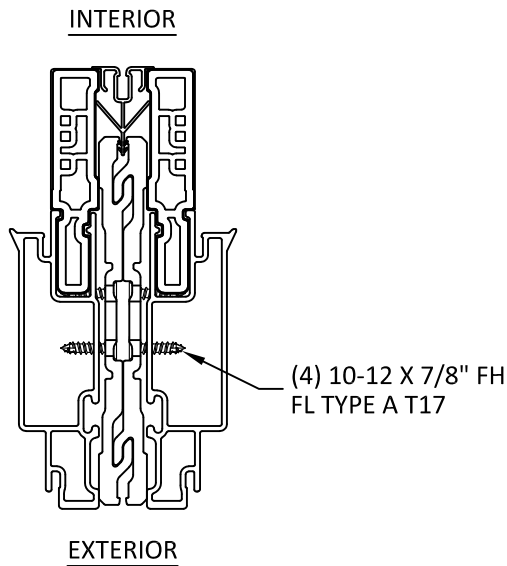
DWG. #: **AWD333**

SHEET:
1
OF 13

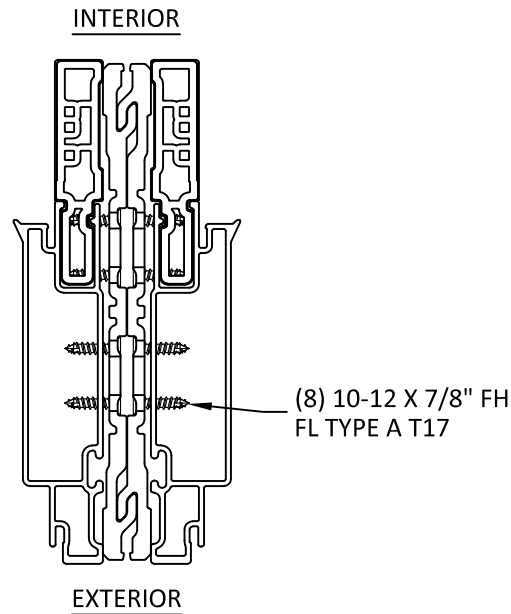
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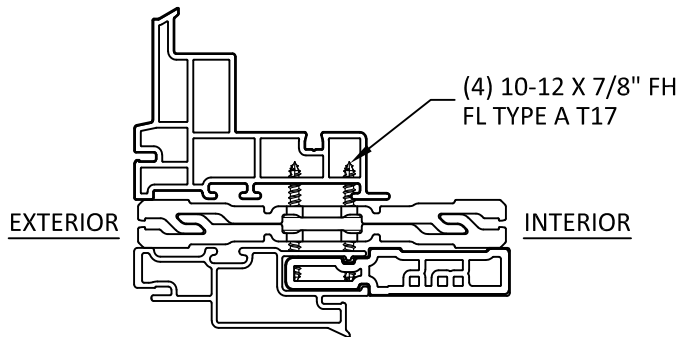
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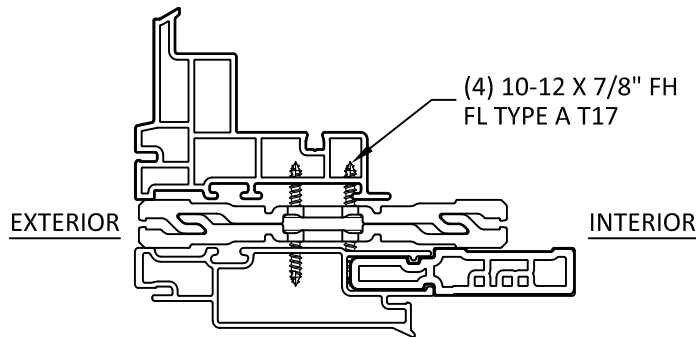
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HORIZONTAL OR VERTICAL MULLION



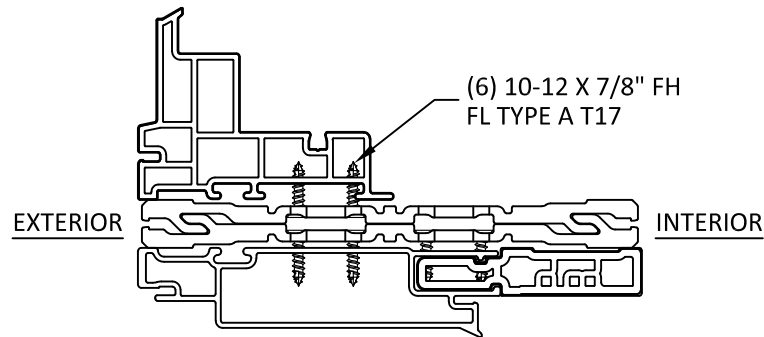
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2 6-9 DOOR TO DOOR
HORIZONTAL OR VERTICAL MULLION



D
2 4-9 SWU TO DOOR
HORIZONTAL MULLION



E
2 5-9 SWU TO DOOR
HORIZONTAL MULLION



F
2 6-9 SWU TO DOOR
HORIZONTAL MULLION



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DAYLIGHT MULLION
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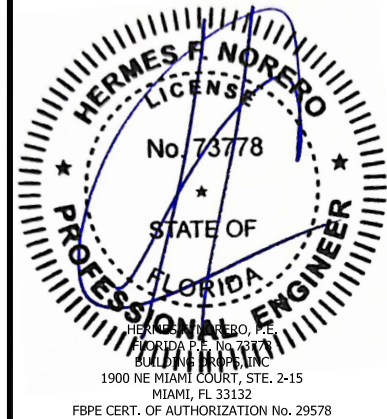
MULLION ASSEMBLY SECTIONS

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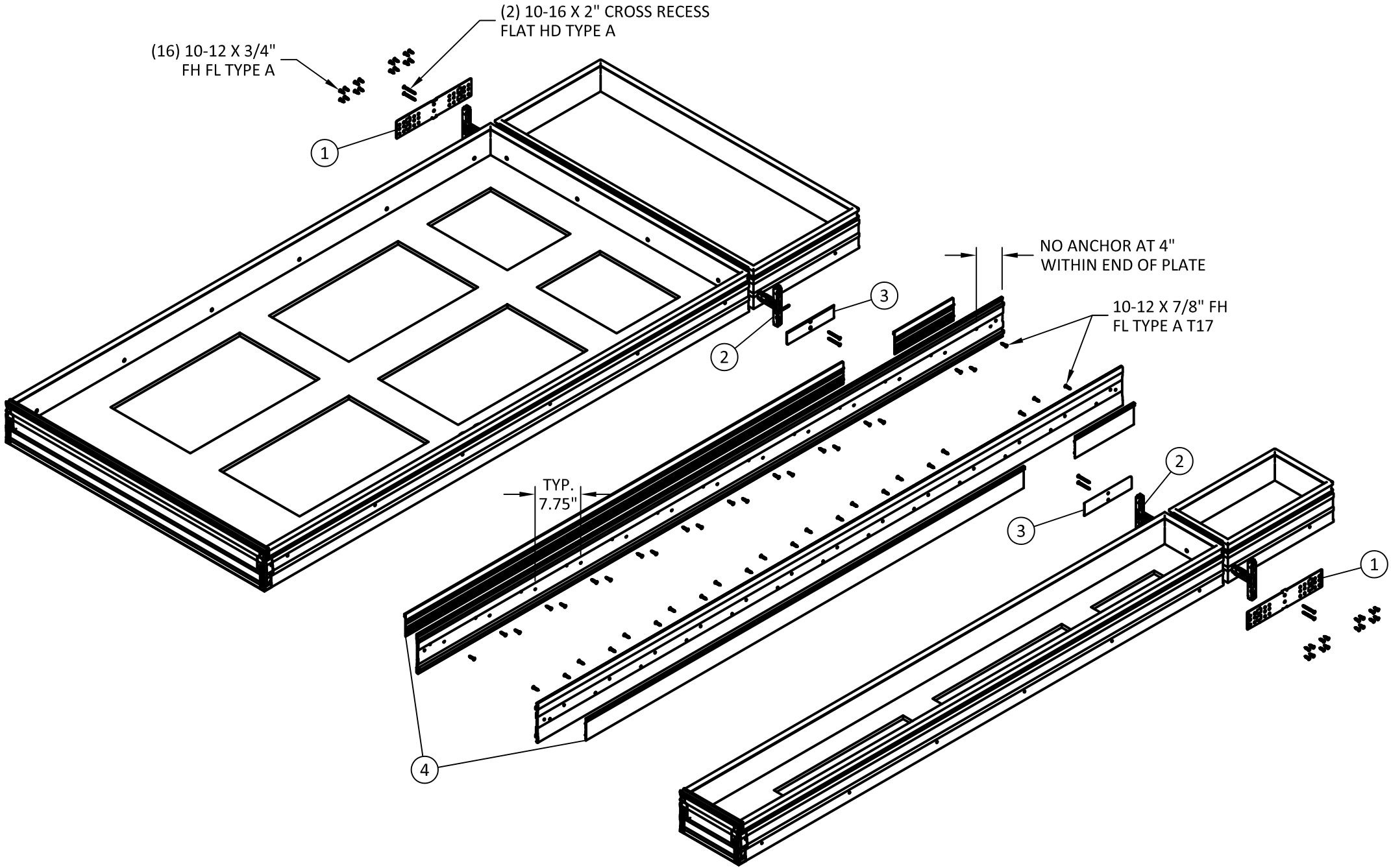
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SCALE: **NTS**

DWG. #: **AWD333**

SHEET: **2**
OF 13



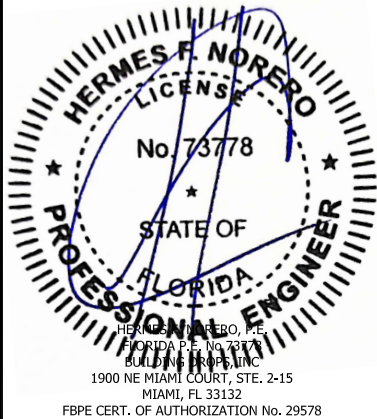
100 FOURTH AVE NORTH
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TITLE: RENEWAL by ANDERSEN
DAYLIGHT MULLION
(NON-HVHZ) (NON-IMPACT)
MULLION ASSEMBLY DETAILS

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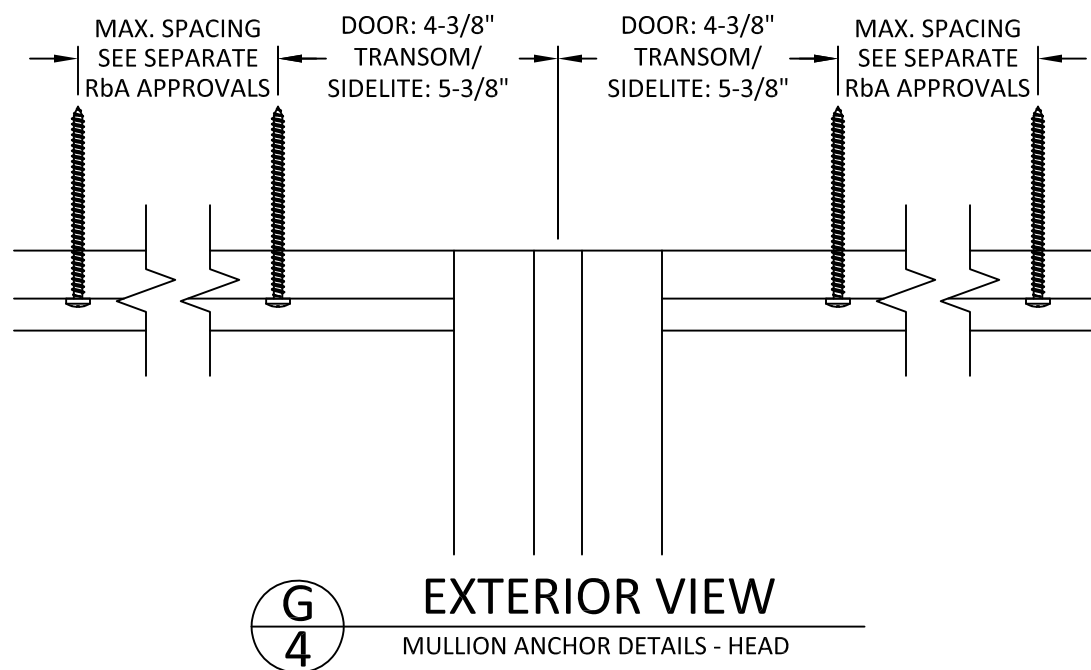
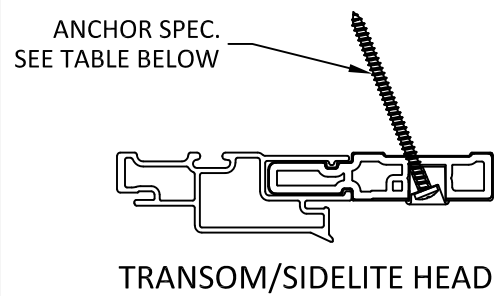
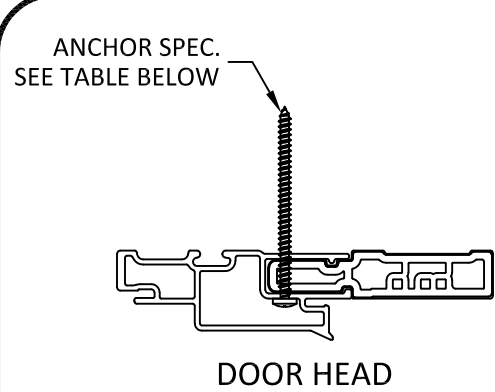
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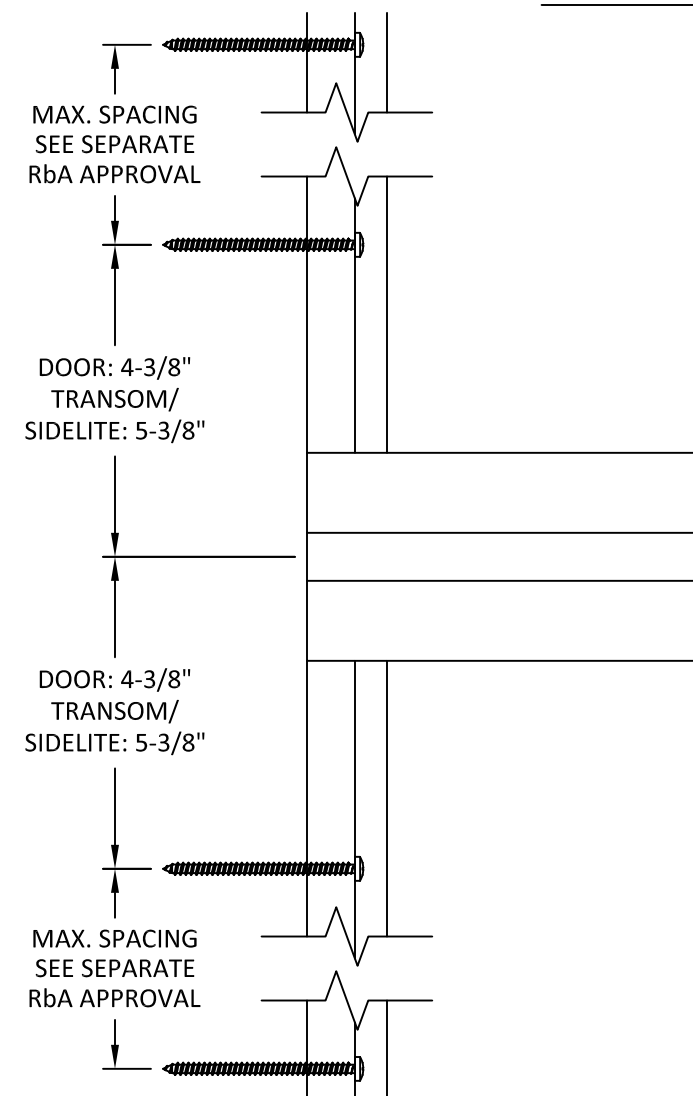
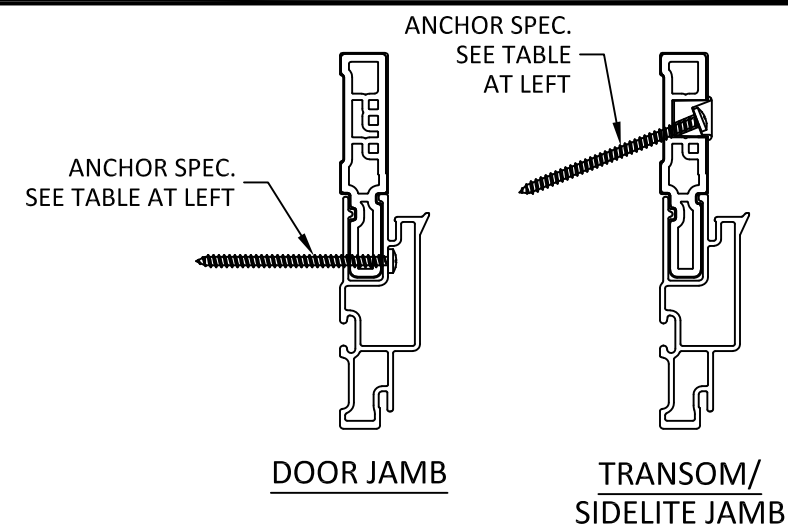
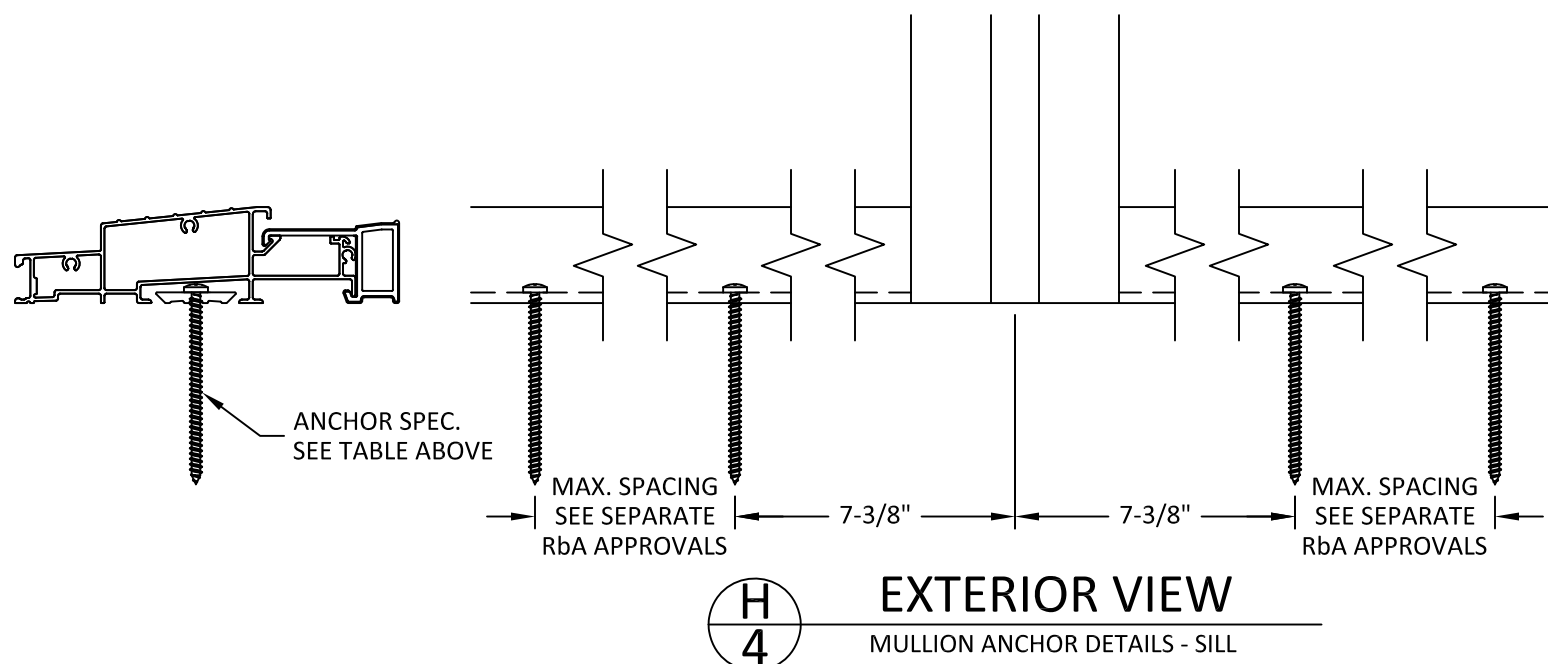
SHEET:

3

OF 13



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



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MULLION INSTALLATION DETAILS

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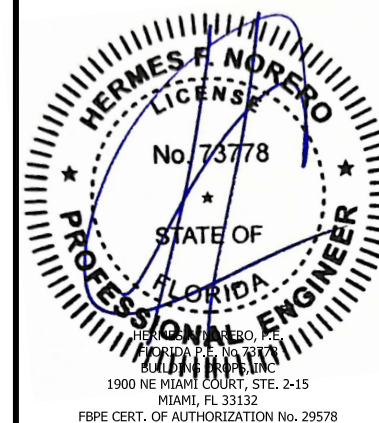
000 NE MIAMI COURT, STE. 2-1
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CHK. BY:	HFN
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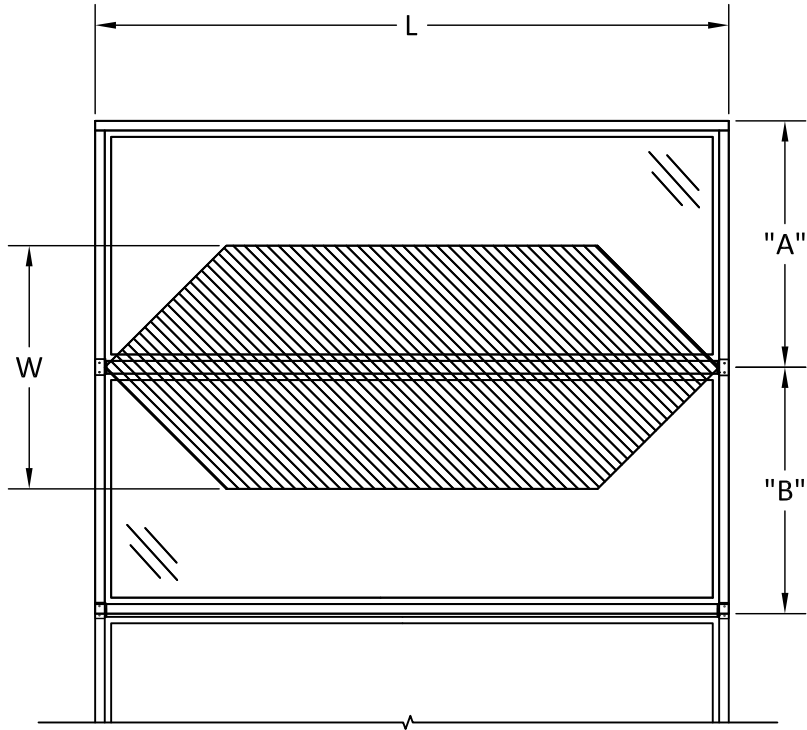
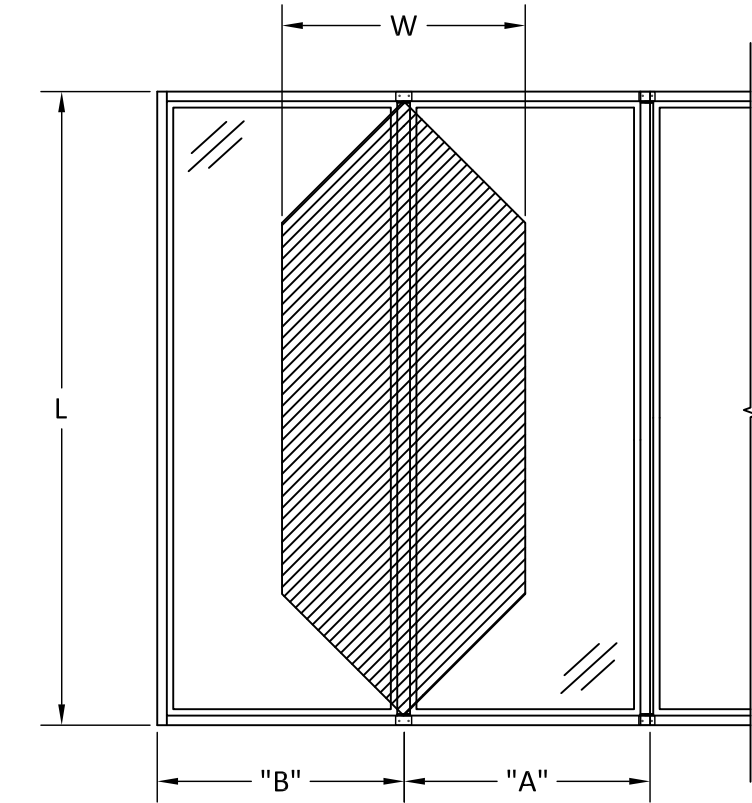
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OF 13

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L - MULL LENGTH (IN)	ONE-WAY MULLION DESIGN PRESSURE CHART (PSF)															
	DESIGNED FOR SECTIONS A/2, B/2, C/2															
	INSTALLATION TO WOOD OR CONCRETE															
	W - TRIBUTARY WIDTH (IN)															
	24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96	
24	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
30	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
36	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
42	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
48	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
54	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
60	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	49.77	46.66	
66	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	48.47	45.24	42.41	
72	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	47.85	44.43	41.47	38.88	
78	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	47.85	44.17	41.02	38.28	35.89	
84	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	48.47	44.43	41.02	38.09	35.55	33.33	
90	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	49.77	45.24	41.47	38.28	35.55	33.18	31.10	
96	50.00	50.00	50.00	50.00	50.00	50.00	49.79	47.63	46.66	42.41	38.88	35.89	33.33	31.10	29.16	
97.75	50.00	50.00	50.00	50.00	50.00	50.00	48.56	46.41	45.64	41.65	38.18	35.25	32.73	30.55	28.64	
102	50.00	50.00	50.00	50.00	50.00	49.55	45.81	43.71	42.95	39.92	36.59	33.78	31.36	29.27	27.44	
108	50.00	50.00	50.00	50.00	49.13	46.01	42.42	40.38	39.64	37.48	34.56	31.90	29.62	27.65	25.92	
114	50.00	50.00	50.00	47.50	45.93	42.95	39.49	37.53	36.81	34.70	32.74	30.22	28.06	26.19	24.56	
120	50.00	50.00	50.00	44.62	43.12	40.26	36.94	35.05	34.36	32.31	30.68	28.71	26.66	24.88	23.33	
122.5	50.00	50.00	49.32	43.52	42.05	39.24	35.98	34.11	33.43	31.41	29.79	28.13	26.12	24.38	22.85	
126	50.00	50.00	47.72	42.07	40.63	37.89	34.70	32.88	32.21	30.23	28.00	25.85	24.00	22.40	21.00	
132	50.00	50.00	45.21	39.80	38.42	35.79	32.47	30.10	29.22	26.57	24.35	22.48	20.87	19.48	18.26	
138	50.00	50.00	42.62	36.53	34.97	31.97	28.42	26.34	25.57	23.25	21.31	19.67	18.27	17.05	15.98	
144	50.00	45.02	37.52	32.16	30.78	28.14	25.01	23.19	22.51	20.46	18.76	17.31	16.08	15.01	-	

- NOTE:
- MULLION CHART APPLIES TO RbA DAYLIGHT MULLION ASSEMBLIES: SECTIONS A/2, B/2, C/2, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
INSTALLATION TO WOOD OR CONCRETE SUBSTRATE, SEE SHEET 1, INSTALLATION NOTE 7.
 - TRIBUTARY WIDTH: $W = (A+B)/2$
 - REFER TO SHEET 3 FOR INSTALLATION DETAILS.
 - WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



ONE-WAY CONFIGURATIONS



100 FOURTH AVE NORTH
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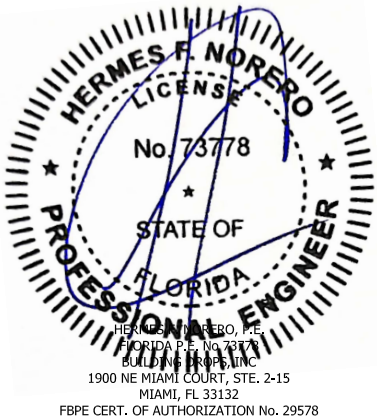
MULLION TABLES & CONFIGURATIONS

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REMARKS	BY	DATE

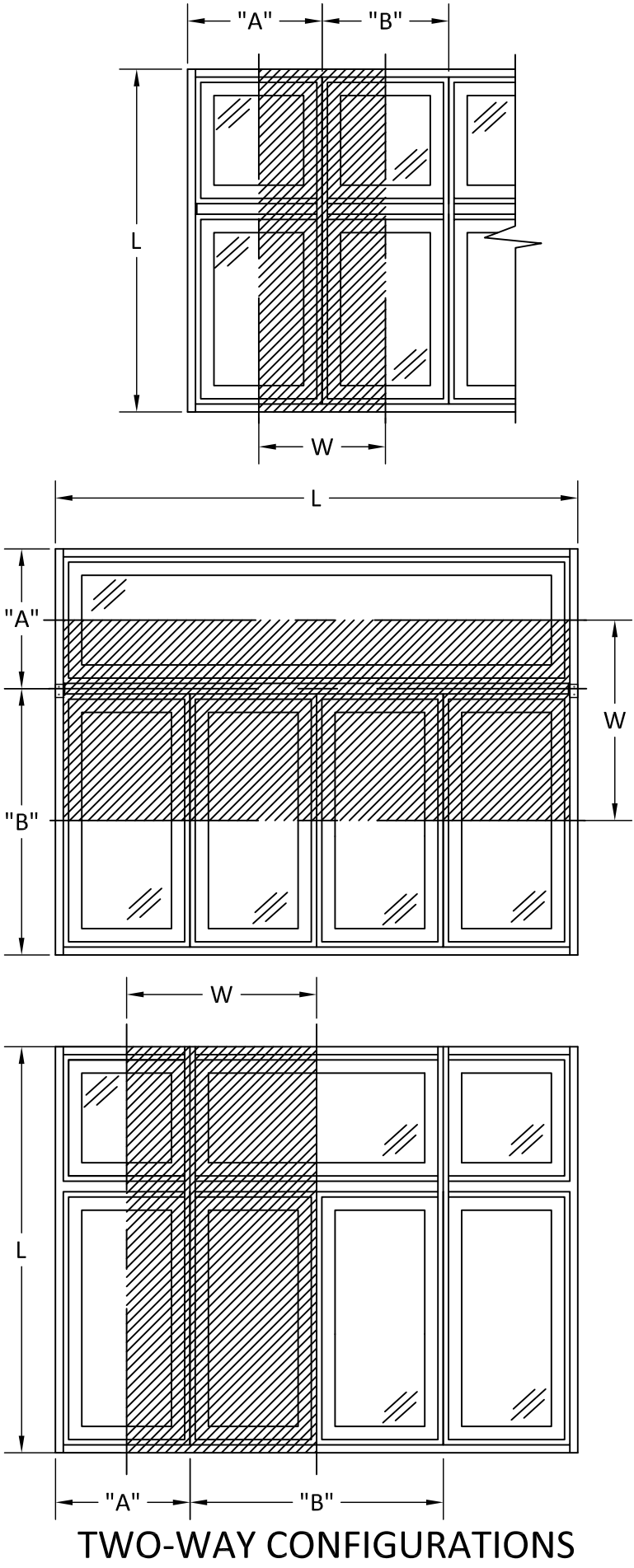
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SCALE:	NTS
DWG. #:	AWD333
SHEET:	5

L - MULL LENGTH (IN)	TWO-WAY MULLION DESIGN PRESSURE CHART (PSF)															
	DESIGNED FOR SECTIONS A/2, B/2, C/2															
	INSTALLATION TO WOOD OR CONCRETE															
	W - TRIBUTARY WIDTH (IN)															
	24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96	
24	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
30	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
36	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
42	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	49.08	46.01
48	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	49.55	46.01	42.95	40.26	
54	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	47.72	44.05	40.90	38.17	35.79	
60	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	46.85	42.95	39.64	36.81	34.36	32.21	
66	50.00	50.00	50.00	50.00	50.00	50.00	50.00	48.26	46.85	42.59	39.04	36.04	33.46	31.23	29.28	
72	50.00	50.00	50.00	50.00	50.00	50.00	47.72	44.24	42.95	39.04	35.79	33.04	30.68	28.63	26.84	
78	50.00	50.00	50.00	50.00	50.00	49.55	44.05	40.83	39.64	36.04	33.04	30.49	28.32	26.43	24.78	
84	50.00	50.00	50.00	50.00	50.00	46.01	40.90	37.92	36.81	33.46	30.68	28.32	26.29	24.54	23.01	
90	50.00	50.00	50.00	49.08	46.98	42.95	38.17	35.39	34.36	31.23	28.63	26.43	24.54	22.90	21.47	
96	50.00	50.00	50.00	46.01	44.05	40.26	35.79	33.18	32.21	29.28	26.84	24.78	23.01	21.47	20.13	
97.75	50.00	50.00	50.00	45.19	43.26	39.54	35.15	32.58	31.63	28.76	26.36	24.33	22.59	21.09	19.77	
102	50.00	50.00	50.00	43.31	41.46	37.89	33.68	31.23	30.31	27.56	25.26	23.32	21.65	20.21	18.95	
108	50.00	50.00	47.72	40.90	39.15	35.79	31.81	29.49	28.63	26.03	23.86	22.02	20.45	19.09	17.89	
114	50.00	50.00	45.21	38.75	37.09	33.90	30.14	27.94	27.12	24.66	22.60	20.86	19.37	18.08	16.95	
120	50.00	50.00	42.95	36.81	35.24	32.21	28.63	26.54	25.77	23.43	21.47	19.82	18.41	17.18	16.10	
122.5	50.00	50.00	42.07	36.06	34.52	31.55	28.05	26.00	25.24	22.95	21.03	19.42	18.03	16.83	15.78	
126	50.00	49.08	40.90	35.06	33.56	30.68	27.27	25.28	24.54	22.31	20.45	18.88	17.53	16.36	15.34	
132	50.00	46.85	39.04	33.46	32.03	29.28	26.03	24.13	23.43	21.30	19.52	18.02	16.73	15.62	-	
138	50.00	44.81	37.34	32.01	30.64	28.01	24.90	23.08	22.41	20.37	18.67	17.24	16.00	-	-	
144	50.00	42.95	35.79	30.68	29.36	26.84	23.86	22.12	21.47	19.52	17.89	16.52	15.34	-	-	

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



TWO-WAY CONFIGURATIONS



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

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

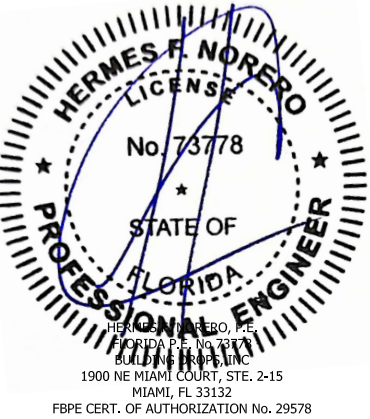
MULLION TABLES & CONFIGURATIONS

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



REMARKS	BY	DATE

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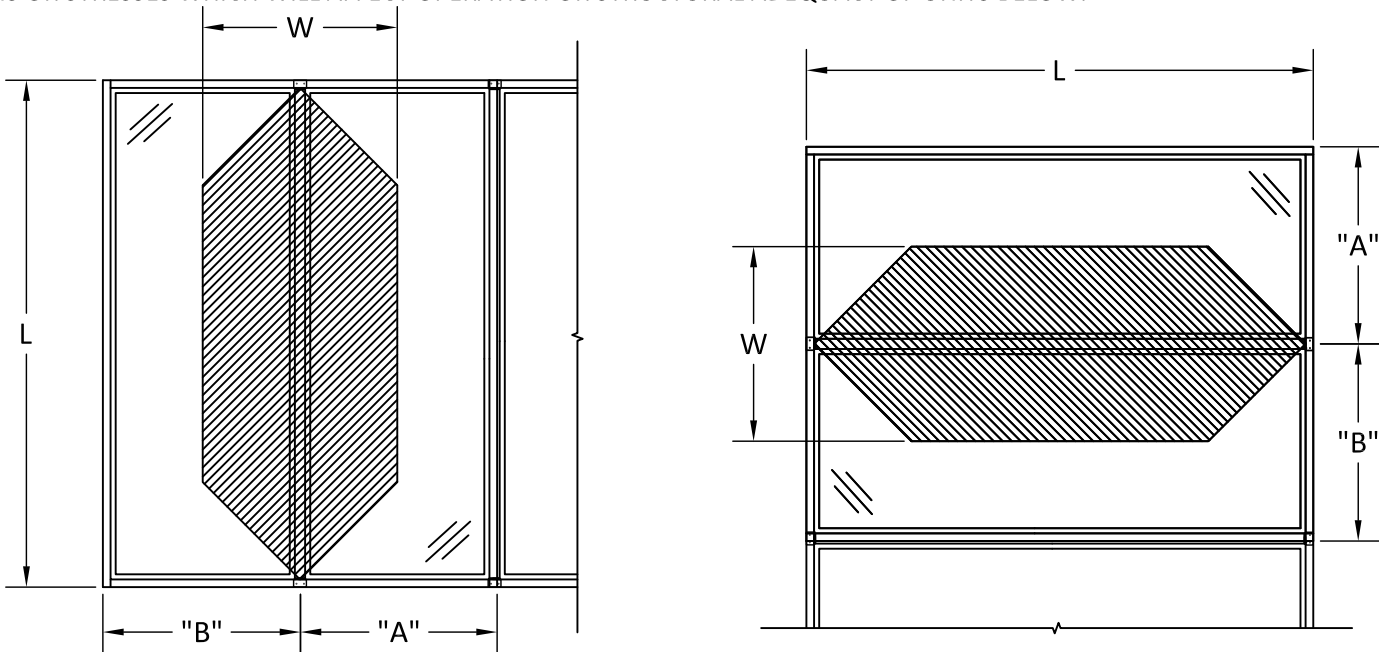
FL #:	FL19971
DATE:	04.17.23
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD333
SHEET:	6
	OF 13

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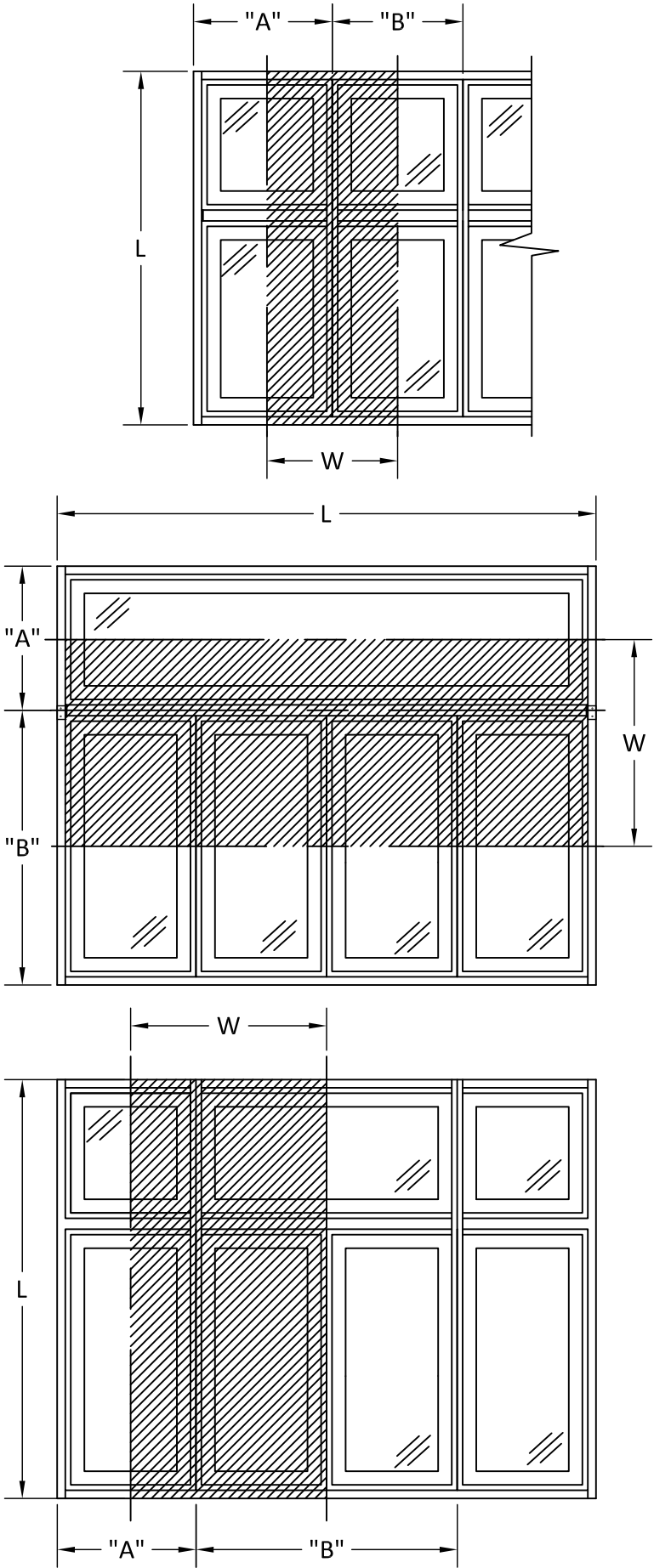
c:\users\insun\building drops, inc\building drops landing - common\projects\anderson windows\fbpe-submittal - rba daylight mullion (4-9-16 inch, 5-9-16 inch, 6-9-16 inch)\dwgs\awd333.dwg

L - MULL LENGTH (IN)	ONE-WAY/TWO-WAY MULLION DESIGN PRESSURE CHART (PSF)															
	DESIGNED FOR SECTIONS A/2, B/2, C/2															
	INSTALLATION TO STEEL OR ALUMINUM															
	W - TRIBUTARY WIDTH (IN)															
	24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96	
24	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
30	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
36	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
42	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
48	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
54	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
60	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	49.77	46.66
66	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	48.47	45.24	42.41
72	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	47.85	44.43	41.47	38.88
78	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	47.85	44.17	41.02	38.28	35.89
84	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	48.47	44.43	41.02	38.09	35.55	33.33
90	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	49.77	45.24	41.47	38.28	35.55	33.18	31.10
96	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	48.06	46.66	42.41	38.88	35.89	33.33	31.10	29.16
97.75	50.00	50.00	50.00	50.00	50.00	50.00	50.00	47.20	45.82	41.65	38.18	35.25	32.73	30.55	28.64	
102	50.00	50.00	50.00	50.00	50.00	50.00	48.79	45.23	43.91	39.92	36.59	33.78	31.36	29.27	27.44	
108	50.00	50.00	50.00	50.00	50.00	50.00	46.08	42.72	41.47	37.70	34.56	31.90	29.62	27.65	25.92	
114	50.00	50.00	50.00	50.00	50.00	49.11	43.65	40.47	39.29	35.72	32.74	30.22	28.06	26.19	24.56	
120	50.00	50.00	50.00	50.00	50.00	46.66	41.47	38.45	37.32	33.93	31.10	28.71	26.66	24.88	23.33	
122.5	50.00	50.00	50.00	50.00	50.00	45.70	40.63	37.66	36.56	33.24	30.47	28.13	26.12	24.38	22.85	
126	50.00	50.00	50.00	48.00	45.95	42.00	37.33	34.61	33.60	30.54	28.00	25.85	24.00	22.40	21.00	
132	50.00	50.00	48.70	41.75	39.96	36.53	32.47	30.10	29.22	26.57	24.35	22.48	20.87	19.48	18.26	
138	50.00	50.00	42.62	36.53	34.97	31.97	28.42	26.34	25.57	23.25	21.31	19.67	18.27	17.05	15.98	
144	50.00	45.02	37.52	32.16	30.78	28.14	25.01	23.19	22.51	20.46	18.76	17.31	16.08	15.01	-	

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



TWO-WAY CONFIGURATIONS



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

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

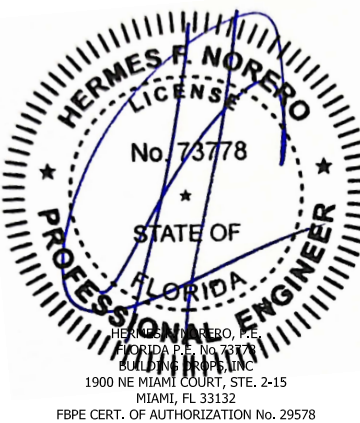
MULLION TABLES & CONFIGURATIONS

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

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL19971

DATE: 04.17.23

DWG. BY: MS

CHK. BY: HFN

SCALE: NTS

DWG. #: AWD333

SHEET:

7

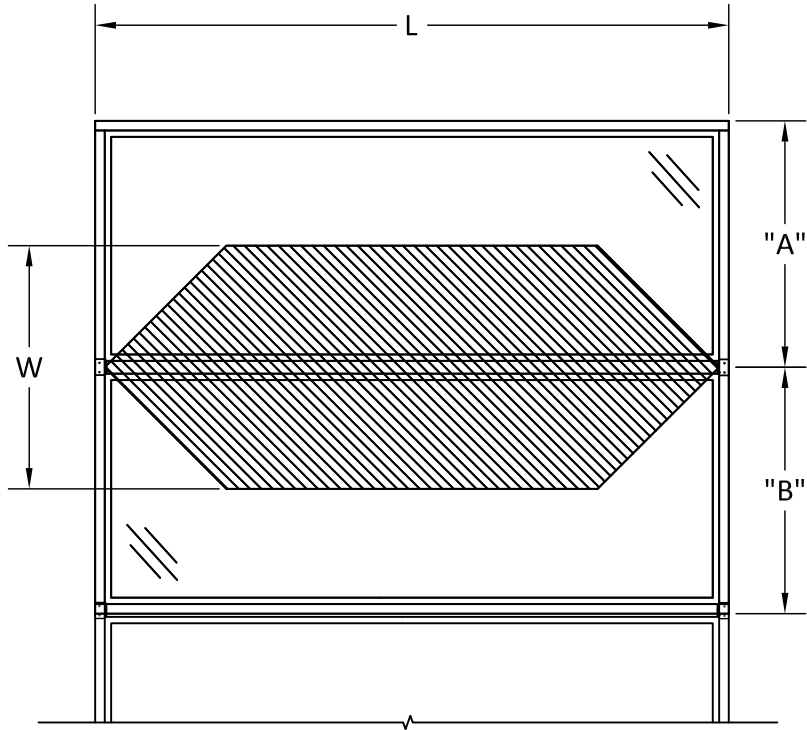
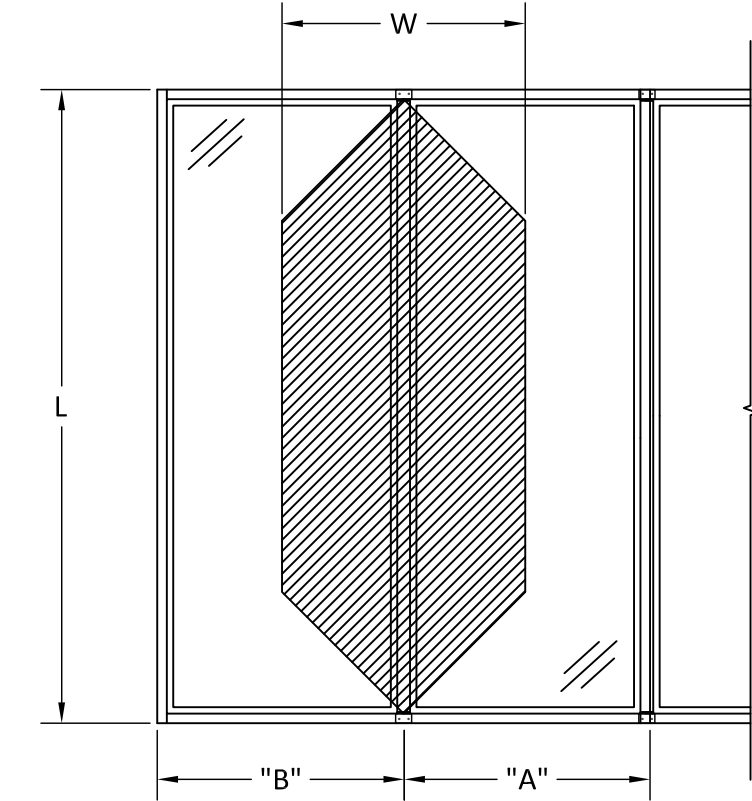
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c:\users\msun\building drops - inc\building drops landing - common\projects\andersen windows\fbpe-submittal - rba daylight mullion (4-9.16 inch, 5-9.16 inch, 6-9.16 inch)\dwgs\awd333.dwg

L - MULL LENGTH (IN)	ONE-WAY MULLION DESIGN PRESSURE CHART (PSF)															
	DESIGNED FOR SECTIONS A/2, B/2, C/2															
	INSTALLATION TO HOLLOW BLOCK OR GROUT-FILLED CMU															
	W - TRIBUTARY WIDTH (IN)															
	24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96	
24	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
30	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
36	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
42	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
48	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
54	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
60	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	49.77	46.66	
66	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	48.47	45.24	42.41	
72	50.00	50.00	50.00	50.00	50.00	50.00	48.28	46.97	46.55	45.58	45.26	45.26	44.43	41.47	38.88	
78	50.00	50.00	50.00	49.00	47.69	45.26	42.60	41.21	40.73	39.50	38.79	38.56	38.56	38.28	35.89	
84	50.00	50.00	49.37	44.34	43.08	40.73	38.11	36.70	36.21	34.85	33.95	33.42	33.25	33.25	33.25	
90	50.00	50.00	45.26	40.48	39.28	37.03	34.48	33.08	32.59	31.18	30.17	29.49	29.10	28.97	28.97	
96	50.00	48.28	41.78	37.24	36.10	33.95	31.49	30.12	29.62	28.21	27.16	26.39	25.86	25.56	25.46	
97.75	50.00	47.26	40.86	36.39	35.27	33.14	30.71	29.35	28.86	27.45	26.39	25.60	25.05	24.71	24.56	
102	50.00	44.95	38.79	34.48	33.40	31.33	28.97	27.64	27.16	25.76	24.69	23.87	23.28	22.87	22.63	
108	50.00	42.05	36.21	32.11	31.07	29.10	26.82	25.53	25.07	23.70	22.63	21.80	21.16	20.69	20.37	
114	47.92	39.50	33.95	30.03	29.04	27.16	24.97	23.73	23.28	21.94	20.89	20.05	19.40	18.89	18.52	
120	45.26	37.24	31.95	28.21	27.27	25.46	23.36	22.16	21.72	20.43	19.40	18.57	17.91	17.38	16.97	
122.5	44.24	36.38	31.18	27.52	26.59	24.81	22.75	21.57	21.14	19.86	18.84	18.01	17.35	16.82	16.40	
126	42.88	35.23	30.17	26.60	25.69	23.96	21.94	20.79	20.37	19.11	18.10	17.29	16.63	16.09	15.67	
132	40.73	33.42	28.59	25.16	24.29	22.63	20.69	19.58	19.17	17.95	16.97	16.17	15.52	-	-	
138	38.79	31.79	27.16	23.87	23.04	21.44	19.57	18.50	18.10	16.93	15.97	15.19	-	-	-	
144	37.03	30.31	25.86	22.71	21.91	20.37	18.57	17.53	17.15	16.01	15.09	-	-	-	-	

- NOTE:
- MULLION CHART APPLIES TO RbA DAYLIGHT MULLION ASSEMBLIES: SECTIONS A/2, B/2, C/2, WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS.
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 - TRIBUTARY WIDTH: $W = (A+B)/2$
 - REFER TO SHEET 3 FOR INSTALLATION DETAILS.
 - WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



ONE-WAY CONFIGURATIONS



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

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

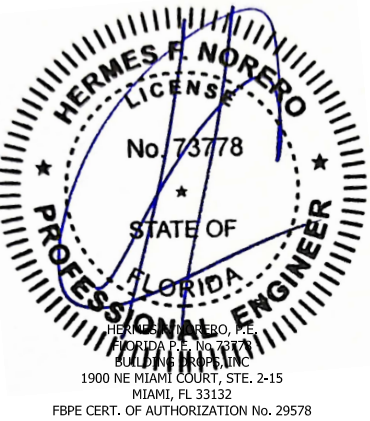
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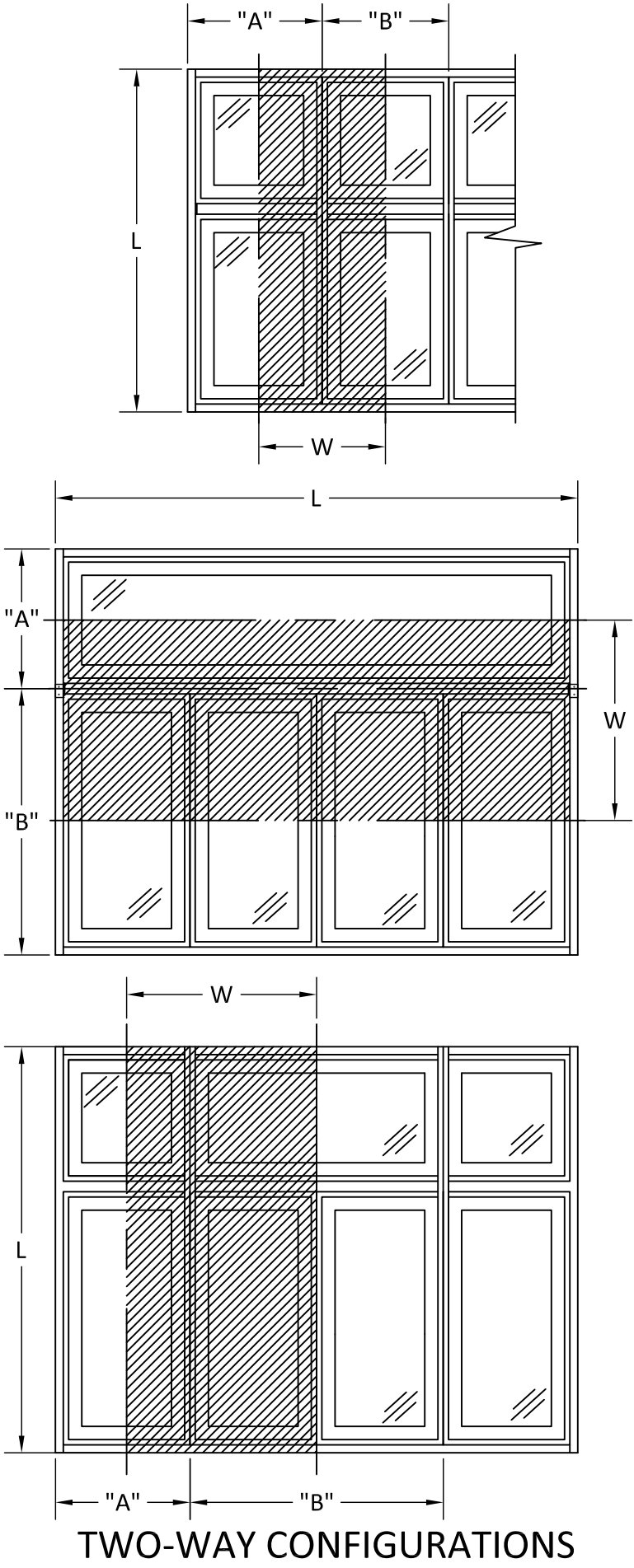
FL #:	FL19971
DATE:	04.17.23
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD333
SHEET:	8

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c:\users\insun\building drops, inc\building drops landing - common\projects\anderson windows\fbpe-submittal - rba daylight mullion (4-9.16 inch, 5-9.16 inch, 6-9.16 inch)\dwgs\awd333.dwg

L - MULL LENGTH (IN)	TWO-WAY MULLION DESIGN PRESSURE CHART (PSF)														
	DESIGNED FOR SECTIONS A/2, B/2, C/2														
	INSTALLATION TO HOLLOW BLOCK OR GROUT-FILLED CMU														
	W - TRIBUTARY WIDTH (IN)														
	24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96
24	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
30	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	46.55	43.45	40.73
36	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	49.37	45.26	41.78	38.79	36.21	33.95
42	50.00	50.00	50.00	50.00	50.00	50.00	50.00	47.95	46.55	42.32	38.79	35.81	33.25	31.04	29.10
48	50.00	50.00	50.00	50.00	50.00	50.00	45.26	41.96	40.73	37.03	33.95	31.33	29.10	27.16	25.46
54	50.00	50.00	50.00	50.00	49.52	45.26	40.23	37.30	36.21	32.92	30.17	27.85	25.86	24.14	22.63
60	50.00	50.00	50.00	46.55	44.56	40.73	36.21	33.57	32.59	29.62	27.16	25.07	23.28	21.72	20.37
66	50.00	50.00	49.37	42.32	40.51	37.03	32.92	30.51	29.62	26.93	24.69	22.79	21.16	19.75	18.52
72	50.00	50.00	45.26	38.79	37.14	33.95	30.17	27.97	27.16	24.69	22.63	20.89	19.40	18.10	16.97
78	50.00	50.00	41.78	35.81	34.28	31.33	27.85	25.82	25.07	22.79	20.89	19.28	17.91	16.71	15.67
84	50.00	46.55	38.79	33.25	31.83	29.10	25.86	23.98	23.28	21.16	19.40	17.91	16.63	15.52	-
90	50.00	43.45	36.21	31.04	29.71	27.16	24.14	22.38	21.72	19.75	18.10	16.71	15.52	-	-
96	50.00	40.73	33.95	29.10	27.85	25.46	22.63	20.98	20.37	18.52	16.97	15.67	-	-	-
97.75	50.00	40.00	33.34	28.57	27.35	25.00	22.22	20.60	20.00	18.18	16.67	15.39	-	-	-
102	47.92	38.34	31.95	27.38	26.21	23.96	21.30	19.74	19.17	17.43	15.97	-	-	-	-
108	45.26	36.21	30.17	25.86	24.76	22.63	20.12	18.65	18.10	16.46	15.09	-	-	-	-
114	42.88	34.30	28.59	24.50	23.45	21.44	19.06	17.67	17.15	15.59	-	-	-	-	-
120	40.73	32.59	27.16	23.28	22.28	20.37	18.10	16.78	16.29	-	-	-	-	-	-
122.5	39.90	31.92	26.60	22.80	21.83	19.95	17.73	16.44	15.96	-	-	-	-	-	-
126	38.79	31.04	25.86	22.17	21.22	19.40	17.24	15.98	15.52	-	-	-	-	-	-
132	37.03	29.62	24.69	21.16	20.26	18.52	16.46	15.26	-	-	-	-	-	-	-
138	35.42	28.34	23.61	20.24	19.38	17.71	15.74	-	-	-	-	-	-	-	-
144	33.95	27.16	22.63	19.40	18.57	16.97	15.09	-	-	-	-	-	-	-	-

- NOTE:
- MULLION CHART APPLIES TO RBA DAYLIGHT MULLION ASSEMBLIES: SECTIONS A/2, B/2, C/2, WHEN MULLED IN TWO-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
INSTALLATION TO HOLLOW BLOCK OR GROUT-FILLED CMU, SEE SHEET 1, INSTALLATION NOTE 7.
 - TRIBUTARY WIDTH: $W = (A+B)/2$
 - REFER TO SHEET 3 FOR INSTALLATION DETAILS.
 - WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



TWO-WAY CONFIGURATIONS



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

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

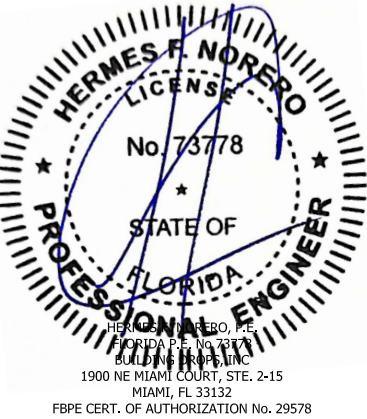
MULLION TABLES & CONFIGURATIONS

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



REMARKS	BY	DATE

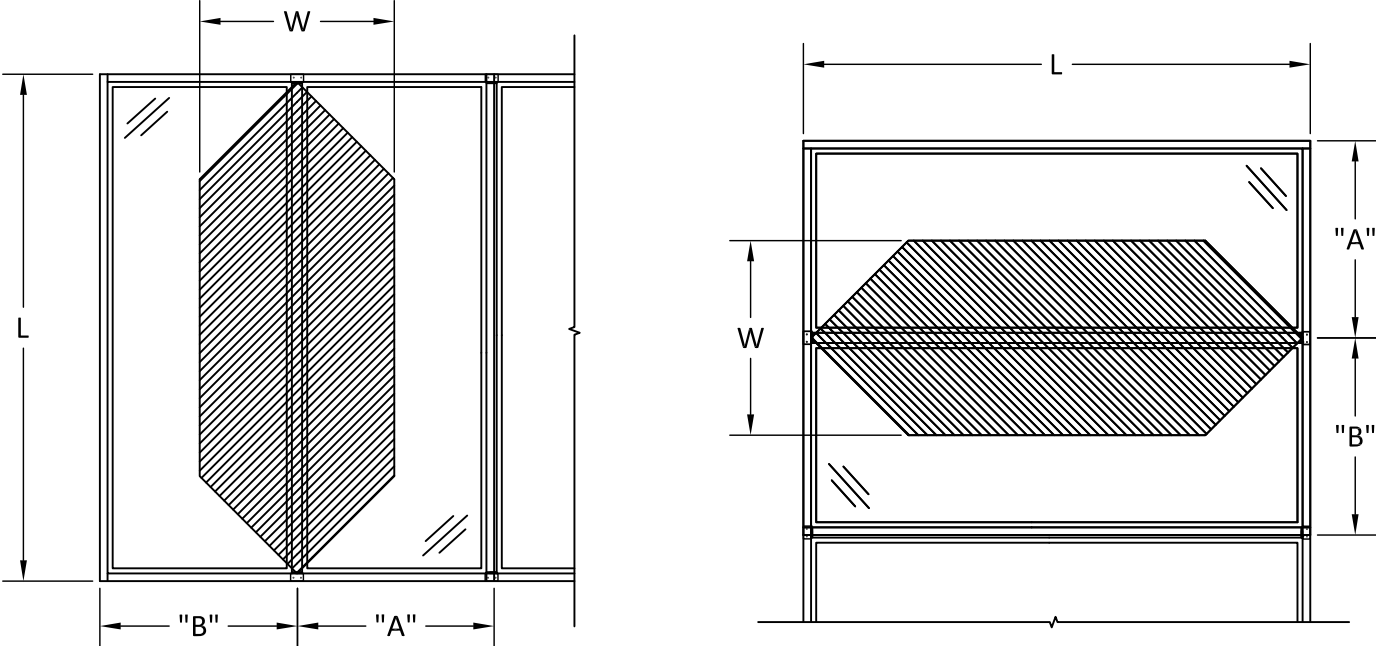
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



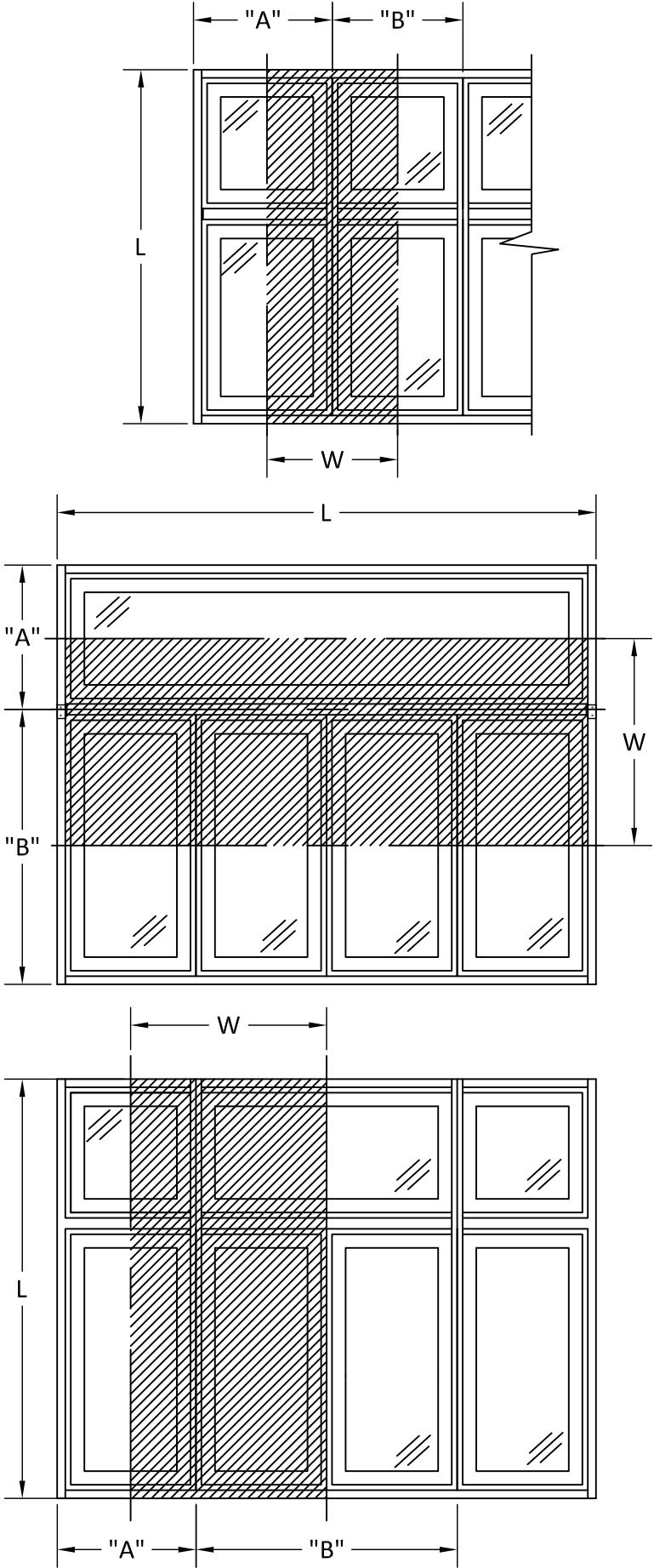
FL #:	FL19971
DATE:	04.17.23
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD333
SHEET:	9

L - MULL LENGTH (IN)	ONE-WAY/TWO-WAY MULLION DESIGN PRESSURE CHART (PSF)															
	DESIGNED FOR SECTIONS D/2, E/2, F/2, OR COMBINATION OF SECTIONS A/2 & D/2, B/2 & E/2, C/2 & F/2															
	INSTALLATION TO WOOD OR CONCRETE															
	W - TRIBUTARY WIDTH (IN)															
	24	30	36	42	43.875	48	54	58.25	60	66	72	78	84	90	96	
24	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
30	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
36	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
42	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
48	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
54	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	38.17	35.79
60	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	39.64	36.81	34.36	32.21
66	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	39.04	36.04	33.46	31.23	29.28	
72	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	39.04	35.79	33.04	30.68	28.63	26.84
78	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	39.64	36.04	33.04	30.49	28.32	26.43	24.78
84	40.00	40.00	40.00	40.00	40.00	40.00	40.00	37.92	36.81	33.46	30.68	28.32	26.29	24.54	23.01	
90	40.00	40.00	40.00	40.00	40.00	40.00	38.17	35.39	34.36	31.23	28.63	26.43	24.54	22.90	21.47	
96	40.00	40.00	40.00	40.00	40.00	40.00	35.79	33.18	32.21	29.28	26.84	24.78	23.01	21.47	20.13	
97.75	40.00	40.00	40.00	40.00	40.00	39.54	35.15	32.58	31.63	28.76	26.36	24.33	22.59	21.09	19.77	
102	40.00	40.00	40.00	40.00	40.00	37.89	33.68	31.23	30.31	27.56	25.26	23.32	21.65	20.21	18.95	
108	40.00	40.00	40.00	40.00	39.15	35.79	31.81	29.49	28.63	26.03	23.86	22.02	20.45	19.09	17.89	
114	40.00	40.00	40.00	34.97	33.48	30.60	27.20	25.22	24.48	22.26	20.40	18.83	17.49	16.32	15.30	
120	40.00	40.00	34.98	29.99	28.70	26.24	23.32	21.62	20.99	19.08	17.49	16.15	-	-	-	
122.5	40.00	39.46	32.88	28.19	26.98	24.66	21.92	20.32	19.73	17.94	16.44	15.18	-	-	-	
126	40.00	36.26	30.22	25.90	24.80	22.66	20.15	18.68	18.13	16.48	15.11	-	-	-	-	
132	39.43	31.54	26.28	22.53	21.57	19.71	17.52	16.24	15.77	-	-	-	-	-	-	
138	34.50	27.60	23.00	19.72	18.87	17.25	15.33	-	-	-	-	-	-	-	-	
144	30.37	24.29	20.24	17.35	16.61	15.18	-	-	-	-	-	-	-	-	-	

- NOTE:
- MULLION CHART APPLIES TO RbA DAYLIGHT MULLION ASSEMBLIES: SECTIONS D/2, E/2, F/2, OR COMBINATION OF SECTIONS A/2 & D/2, B/2 & E/2, C/2 & F/2, WHEN MULLED IN ONE-WAY OR TWO-WAY, STACK OR RIBBON, CONFIGURATIONS.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - MULLION CHART APPLIES TO THE FOLLOWING INSTALLATION CONDITIONS:
INSTALLATION TO WOOD OR CONCRETE SUBSTRATE, SEE SHEET 1, INSTALLATION NOTE 7.
 - TRIBUTARY WIDTH: $W = (A+B)/2$
 - REFER TO SHEET 3 FOR INSTALLATION DETAILS.
 - WHEN PRODUCTS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.



ONE-WAY CONFIGURATIONS



TWO-WAY CONFIGURATIONS

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

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

MULLION TABLES & CONFIGURATIONS

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

REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL19971

DATE: 04.17.23

DWG. BY: MS	CHK. BY: HFN
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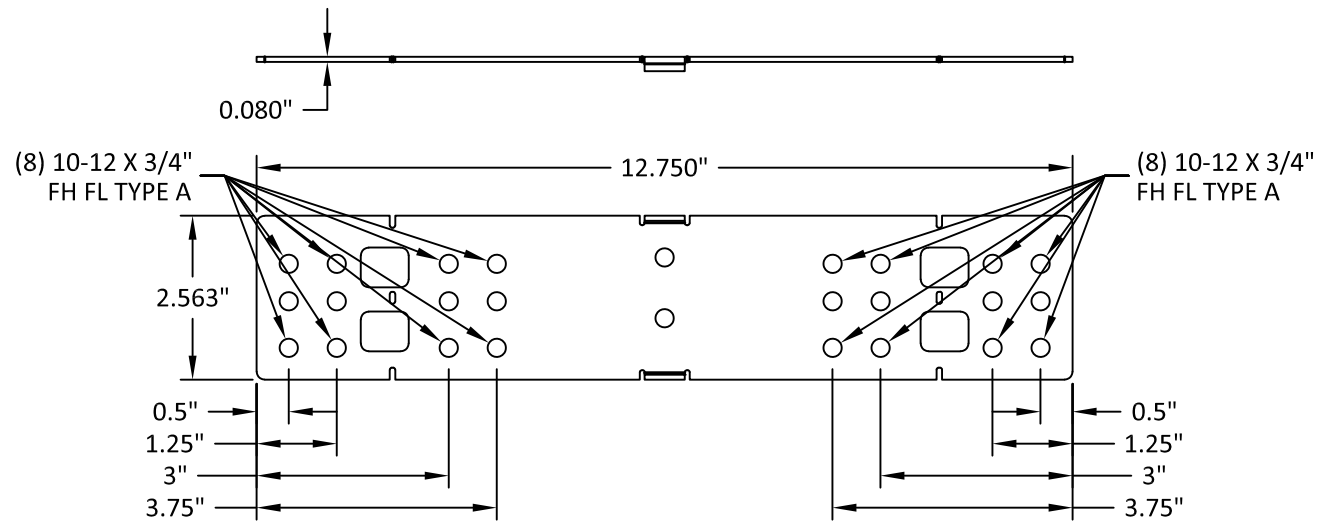
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DWG. #: AWD333

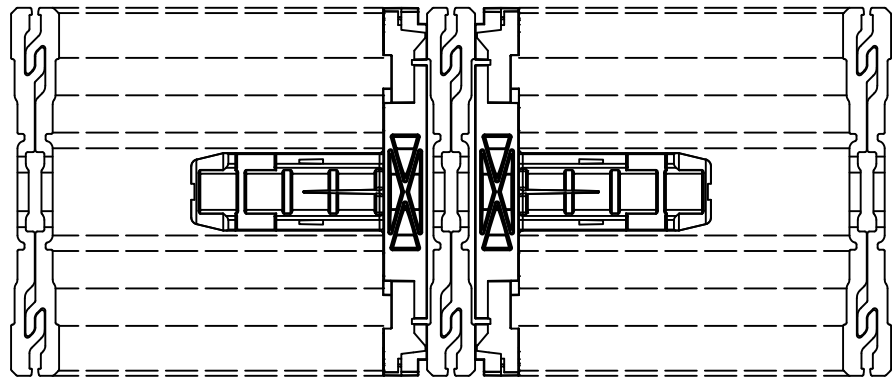
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10

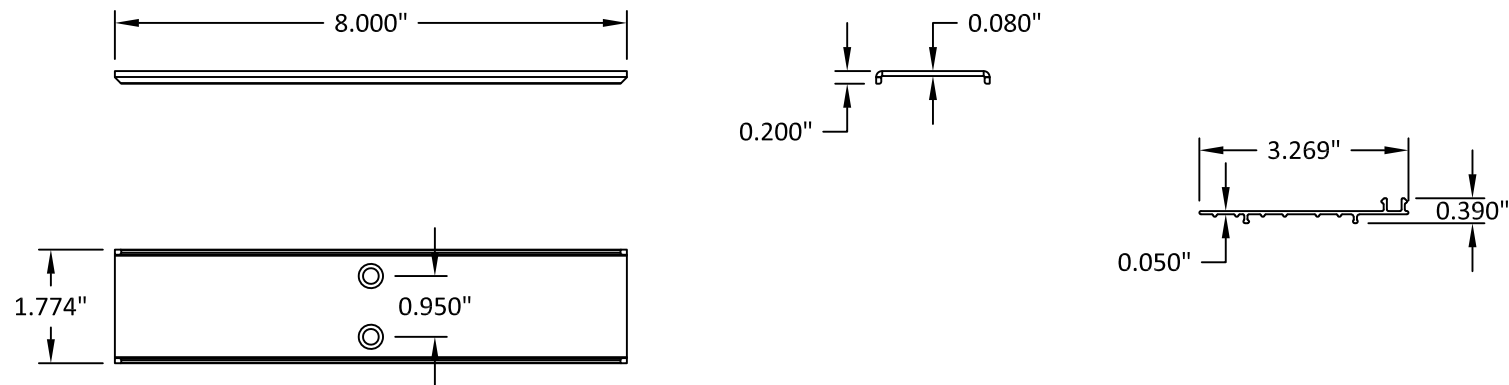
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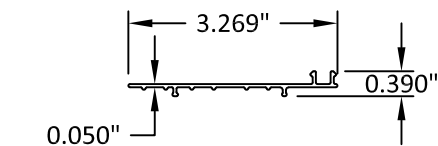
1 FLAT GUSSET PLATE
GALVANIZED STEEL



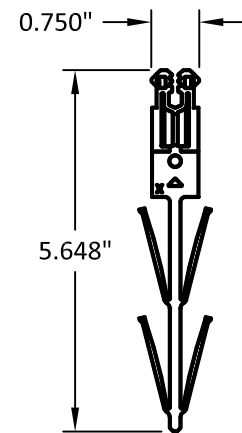
2 END PLUG
GLASS FILLED NYLON



3 INTERSECTION BRACKET
GALVANIZED STEEL



4 ALIGNMENT SPACER
PVC



5 JOIN IN OPENING PLUG SEAL
GLASS FILLED NYLON



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

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

COMPONENT DETAILS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132

PH: (954)399-8478

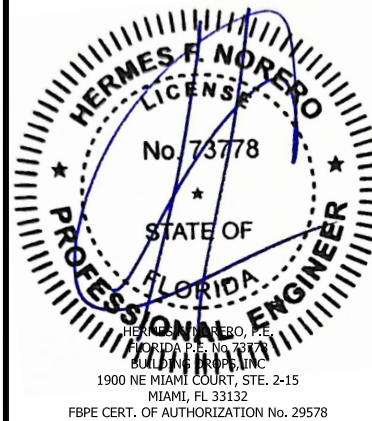
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE

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