WINDSOR WINDOWS & DOORS

NEXT DIMENSION MULLION
(WZ3)(IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.

2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.

3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.

4. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE 1X BUCKING, SHEATHING, & WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.

5. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING:

   - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

   - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

6. 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.

7. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
   A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
   B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
   C. 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.
   D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
   E. STEEL - MINIMUM WALL THICKNESS OF 48 MILS (18 GA.) WHEN THROUGH GUSSET INSTALLATION.
   F. ALUMINUM - 1/8" MINIMUM THICKNESS (6063-T5)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC) **EXCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED TO THE FOLLOWING:
   • AAMA/WDMA/CSA 101/I.S.2./A440-17
   • AAMA 450-20

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 NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONES 3 OR LESS.

6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** IN WIND ZONE 4.

7. MULLION MATERIAL:
   7.1. ALUMINUM 6005-T5 (Min. F'Y = 35 KSI, F'U = 38 KSI)

8. DISSIMILAR METALS INCLUDING FASTENERS SHALL BE PROTECTED FROM GALVANIC CORROSION IN ACCORDANCE WITH FBC REQUIREMENTS.

9. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.

10. 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' MULLIONS.

TABLE OF CONTENTS

SHEET	SHEET DESCRIPTION
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3	ONE-WAY MULLION DESIGN PRESSURE TABLE
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5	ANCHOR CAPACITY TABLES AND ANCHOR DETAILS - NAIL FIN
6	ANCHOR CAPACITY TABLES AND ANCHOR DETAILS - THROUGH FRAME OR CLIP

INSTRUCTIONS FOR USE:

1. DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, WIND ZONE, USING APPLICABLE ASCE 7 STANDARD.
2. CHECK MULLION CAPACITY FOR A GIVEN WIDTH AND HEIGHT USING CHARTS ON SHEET 3 FOR ONE-WAY MULLIONS, THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
3. CHECK MULLION CAPACITY FOR A GIVEN WIDTH AND HEIGHT USING CHARTS ON SHEET 4 FOR TWO-WAY MULLIONS, THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
4. USING CHARTS ON SHEET 5 AND 6, SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
5. THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4, AND THE SEPARATE PRODUCT APPROVAL SHALL APPLY TO ENTIRE SYSTEM.

WINDSOR WINDOWS & DOORS
A Woodgrain Millwork Company

WINDSOR WINDOWS & DOORS
900 S. 19TH STREET.
WEST DES MOINES, IA 50265
PH: (515)223-6660 FAX: (515)224-1938

TITLE: NEXT DIMENSION MULLION (WZ3)(IMPACT)
GENERAL AND INSTALLATION NOTES

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
2026 FBC UPDATE	LS	06/26

THE INSTALLATION DETAILS DESCRIBED HERE IN 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.

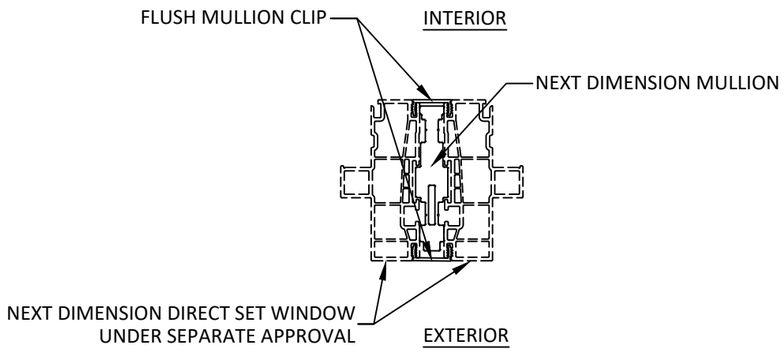
Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.09.21 16:17:59 -04'00'

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

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

FL47524

DATE: 04.04.25
DWG. BY: DB
CHK. BY: HFN
SCALE: NTS
DWG. #: WWD093
SHEET: 1 OF 6
REV. A



A/2

NEXT DIMENSION MULLION

VERTICAL OR HORIZONTAL MULL
DIRECT SET TO DIRECT SET

NOTE: MULLION IS ONLY APPLICABLE TO THE FOLLOWING NEXT DIMENSION FRAMES:

- DIRECT SET
- CASEMENT FIXED
- HUNG FIXED
- CASEMENT
- AWNING
- SINGLE HUNG
- DOUBLE HUNG
- HORIZONTAL SLIDER

THE NEXT DIMENSION FRAMES STATED ABOVE ARE UNDER SEPARATE APPROVALS.

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TITLE: NEXT DIMENSION MULLION (WZ3)(IMPACT)
MULL ASSEMBLY SECTIONS AND INTERSECTION DETAILS

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FL47524

DATE: 04.04.25

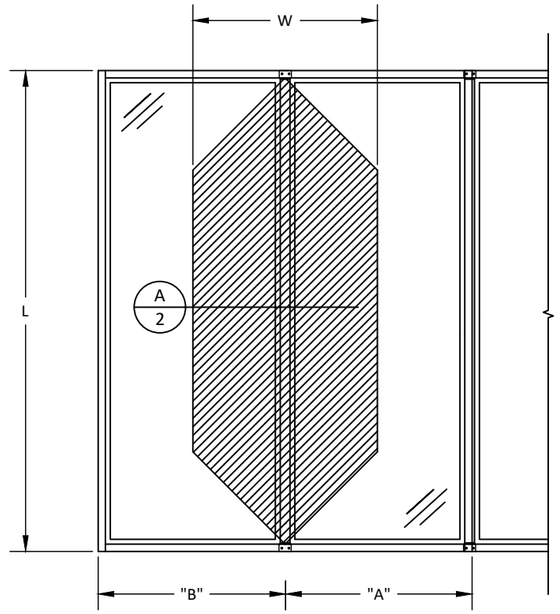
DWG. BY: DB | CHK. BY: HFN

SCALE: NTS

DWG. #: WWD093

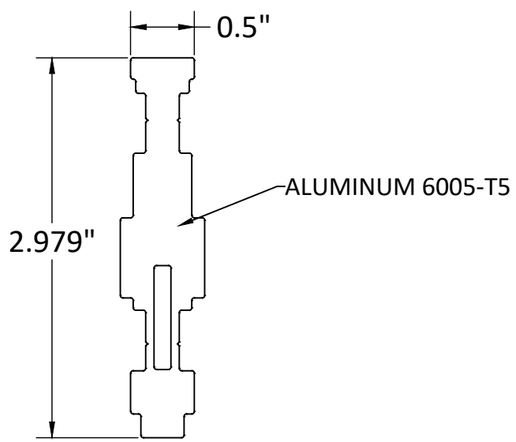
SHEET: 2 OF 6 | REV. A

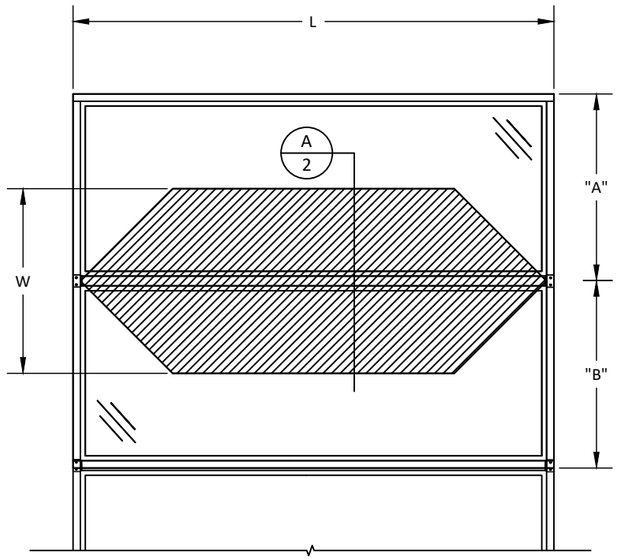
L - MULL LENGTH (IN)	ONE-WAY MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF) W - TRIBUTARY WIDTH (IN)													
	24	30	36	42	47.5	48	54	60	66	72	78	84	90	96
24	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.2
48	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.2	45.9	43.0
54	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.1	43.7	40.8	38.3
60	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.9	42.4	39.3	36.7	34.4
66	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.5	41.7	38.5	35.8	33.4	31.3
72	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.9	41.7	38.3	35.3	32.8	30.6	28.7
78	50.0	50.0	50.0	50.0	50.0	50.0	47.1	42.4	38.5	35.3	32.6	30.3	28.2	26.5
83.5	50.0	50.0	50.0	50.0	50.0	49.5	44.0	39.6	36.0	33.0	30.4	28.3	26.4	24.7
84	50.0	50.0	50.0	50.0	49.7	49.2	43.7	39.3	35.8	32.8	30.3	28.1	26.2	24.6
90	50.0	50.0	50.0	50.0	46.4	45.9	40.8	36.7	33.4	30.6	28.2	26.2	24.5	23.0
96	50.0	50.0	50.0	47.6	43.5	43.0	38.3	34.4	31.3	28.7	26.5	24.6	23.0	21.5



NOTE:

1. **MULLION CHART APPLIES TO ASSEMBLIES WHEN MULLED IN ONE-WAY, STACK OR RIBBON, CONFIGURATIONS. TYPICAL ELEVATIONS SHOWN AT RIGHT.**
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. **TRIBUTARY WIDTH = W = (A+B)/2**
5. **REFER TO SHEETS 5 AND 6 FOR INSTALLATION DETAILS.**
6. **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**





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TITLE: NEXT DIMENSION MULLION (WZ3)(IMPACT)
ONE-WAY MULLION DESIGN PRESSURE TABLE

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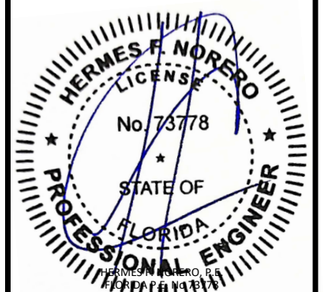

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FBPE CERT. OF AUTHORIZATION No. 29578

FL47524

DATE: 04.04.25

DWG. BY: DB | CHK. BY: HFN

SCALE: NTS

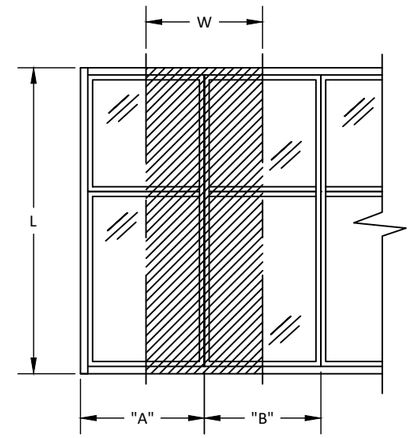
DWG. #: WWD093

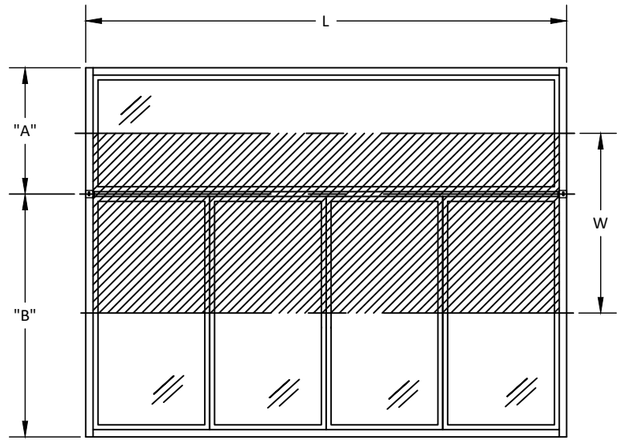
SHEET: 3 OF 6 | REV. A

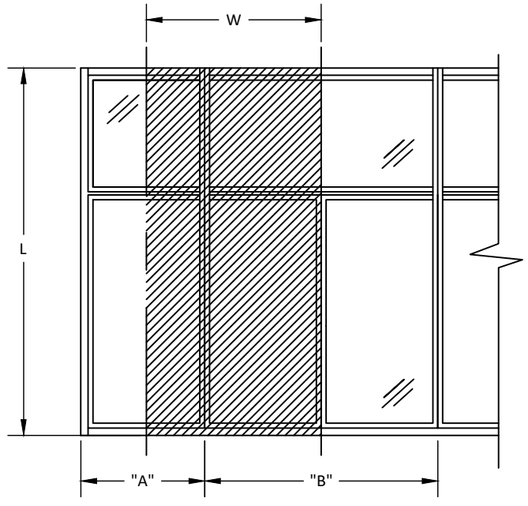
L - MULL LENGTH (IN)	TWO-WAY MAXIMUM DESIGN PRESSURE CAPACITY CHART (PSF) W - TRIBUTARY WIDTH (IN)													
	24	30	36	42	47.5	48	54	60	66	72	78	84	90	96
24	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.2
48	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.2	45.9	43.0
54	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.1	43.7	40.8	38.3
60	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.9	42.4	39.3	36.7	34.4
66	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.5	41.7	38.5	35.8	33.4	31.3
72	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.9	41.7	38.3	35.3	32.8	30.6	28.7
78	50.0	50.0	50.0	50.0	50.0	50.0	47.1	42.4	38.5	35.3	32.6	30.3	28.2	26.5
83.5	50.0	50.0	50.0	50.0	50.0	49.5	44.0	39.6	36.0	33.0	30.4	28.3	26.4	24.7
84	50.0	50.0	50.0	50.0	49.1	48.6	43.2	38.9	35.3	32.4	29.9	27.8	25.9	24.3
90	50.0	50.0	50.0	45.2	39.9	39.5	35.1	31.6	28.7	26.3	24.3	22.6	21.1	19.8
96	50.0	50.0	43.4	37.2	32.9	32.6	28.9	26.0	23.7	21.7	20.0	18.6	17.4	16.3

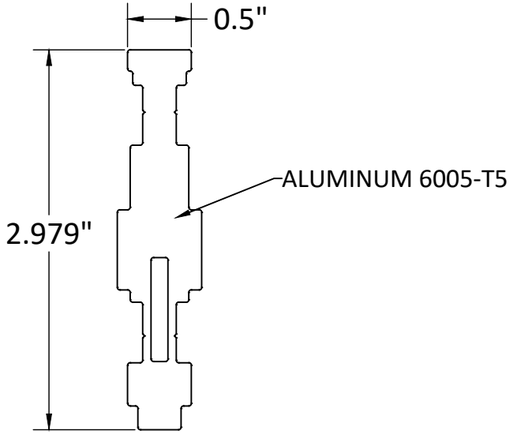
NOTE:

1. **MULLION CHART APPLIES TO ASSEMBLIES WHEN MULLED IN TWO-WAY,'X' OR 'T' CONFIGURATIONS. TYPICAL ELEVATIONS SHOWN AT RIGHT.**
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. **TRIBUTARY WIDTH = W = (A+B)/2**
5. **REFER TO SHEETS 5 AND 6 FOR INSTALLATION DETAILS.**
6. **WHEN WINDOWS ARE STACKED VERTICALLY, THE MANUFACTURER/INSTALLER SHALL ENSURE THAT THE WEIGHT OF UNITS ABOVE WILL NOT CAUSE DEFLECTIONS OR STRESSES WHICH WILL AFFECT OPERATION OR STRUCTURAL ADEQUACY OF UNITS BELOW.**









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TITLE: NEXT DIMENSION MULLION (WZ3)(IMPACT) TWO-WAY MULLION DESIGN PRESSURE TABLE

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FAX: (954)744.4738
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REMARKS	BY	DATE
2026 FBC UPDATE	LS	06/26

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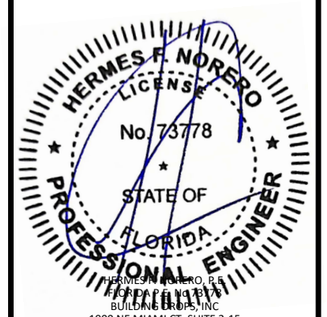

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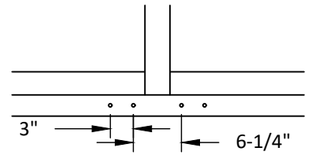
SHEET: 4 | REV. A

MAX. ANCHOR CAPACITY - DESIGN PRESSURES (+/- PSF)			
W - TRIB. WIDTH (IN.)	L - MULL LENGTH (IN.)	AP1	AP2
24	24	50.00	50.00
24	30	50.00	50.00
30		50.00	50.00
24	36	50.00	50.00
30		50.00	50.00
36		50.00	50.00
24	42	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
24	48	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		50.00	50.00
24	54	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		50.00	50.00
54		50.00	50.00
24	60	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		50.00	50.00
54		50.00	50.00
60		46.09	50.00
24	66	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		50.00	50.00
54		46.55	50.00
60		41.90	50.00
66		38.09	48.97
24	72	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		48.01	50.00
54		42.67	50.00
60		38.41	49.38
66		34.92	44.89
72		32.01	41.15

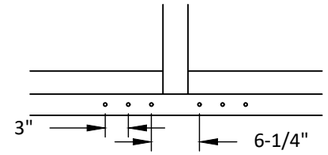
MAX. ANCHOR CAPACITY - DESIGN PRESSURES (+/- PSF)			
W - TRIB. WIDTH (IN.)	L - MULL LENGTH (IN.)	AP1	AP2
24	78	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		44.32	50.00
54		39.39	50.00
60		35.45	45.58
66		32.23	41.44
72		29.54	37.98
78		27.27	35.06
24	84	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		47.03	50.00
48		41.15	50.00
54		36.58	47.03
60		32.92	42.33
66		29.93	38.48
72		27.43	35.27
78		25.32	32.56
84		23.51	30.23
24	90	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		43.89	50.00
48		38.41	49.38
54		34.14	43.89
60		30.73	39.50
66		27.93	35.91
72		25.60	32.92
78		23.63	30.39
84		21.95	28.22
90		20.48	26.34
24	96	50.00	50.00
30		50.00	50.00
36		48.01	50.00
42		41.15	50.00
48		36.01	46.29
54		32.01	41.15
60		28.81	37.04
66		26.19	33.67
72		24.00	30.86
78		22.16	28.49
84		20.58	26.45
90		19.20	24.69
96		18.00	23.15

ANCHORS PATTERNS AT MULLION

AP1
(4 ANCHORS)



AP2
(6 ANCHORS)



NOTE:
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2. REFER TO ELEVATIONS AT RIGHT FOR LOCATIONS AND DETERMINING MAX. LENGTHS (L) AND TRIBUTARY WIDTHS (W).
3. FOR SITE CONDITIONS NOT SHOWN IN THE DETAILS HEREIN OR EDGE DISTANCE REQUIREMENTS TO BE MODIFIED, ANCHORS MAY BE ENGINEERED ON A SITE SPECIFIC BASIS.

ANCHOR SCHEDULE				
INSTALLATION METHOD	SUBSTRATE	ANCHOR TYPE	MINIMUM EDGE DISTANCE	MINIMUM EMBEDMENT
NAIL FIN	WOOD (MIN. SG=0.55)	#8 WOOD SCREW	0.75"	1.50"
	1/8" ALUMINUM (6063-T5 MIN.) OR 18 GAUGE STEEL (A36 MIN.)	#8 SELF-DRILLING OR SELF-TAPPING SCREW	0.50"	3 THREADS MIN. PENETRATION BEYOND STRUCTURE

WINDSOR WINDOWS & DOORS
A Woodgrain Millwork Company
WINDSOR WINDOWS & DOORS
900 S. 19TH STREET.
WEST DES MOINES, IA 50265
PH: (515)223-6660 FAX: (515)224-1938

TITLE: NEXT DIMENSION MULLION (WZ3)(IMPACT)
ANCHOR CAPACITY TABLES AND ANCHOR DETAILS - NAIL FIN

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
2026 FBC UPDATE	LS	06/26

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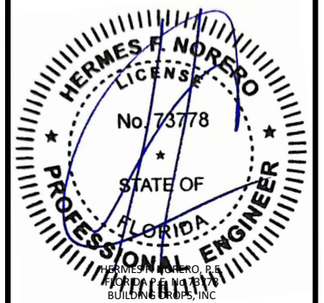


HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL47524

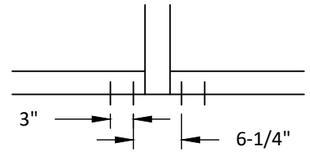
DATE: 04.04.25
DWG. BY: DB
CHK. BY: HFN
SCALE: NTS
DWG. #: WWD093
SHEET: 5 OF 6
REV. A

MAX. ANCHOR CAPACITY - DESIGN PRESSURES (+/- PSF)			
W - TRIB. WIDTH (IN.)	L - MULL LENGTH (IN.)	AP1	AP2
24	24	50.00	50.00
24	30	50.00	50.00
30		50.00	50.00
24	36	50.00	50.00
30		50.00	50.00
36		50.00	50.00
24	42	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
24	48	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		50.00	50.00
24	54	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		50.00	50.00
54		50.00	50.00
24	60	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		60.00	50.00
54		50.00	50.00
60		50.00	50.00
24	66	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		50.00	50.00
54		50.00	50.00
60		49.75	50.00
66		45.22	50.00
24	72	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		50.00	50.00
54		50.00	50.00
60		45.60	50.00
66		41.45	50.00
72		38.00	50.00

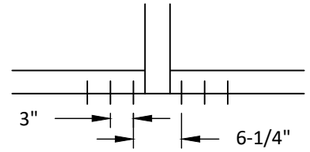
MAX. ANCHOR CAPACITY - DESIGN PRESSURES (+/- PSF)			
W - TRIB. WIDTH (IN.)	L - MULL LENGTH (IN.)	AP1	AP2
24	78	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		50.00	50.00
54		46.77	50.00
60		42.09	50.00
66		38.27	50.00
72		35.08	46.77
78		32.38	43.17
24	84	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		48.86	50.00
54		43.43	50.00
60		39.09	50.00
66		35.53	47.38
72		32.57	43.43
78		30.07	40.09
84		27.92	37.22
24	90	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		50.00	50.00
48		45.60	50.00
54		40.53	50.00
60		36.48	48.64
66		33.16	44.22
72		30.40	40.53
78		28.06	37.42
84		26.06	34.74
90		24.32	32.43
24	96	50.00	50.00
30		50.00	50.00
36		50.00	50.00
42		48.86	50.00
48		42.75	50.00
54		40.53	50.00
60		34.20	45.60
66		31.09	41.45
72		28.50	38.00
78		26.31	35.08
84		24.43	32.57
90		22.80	30.40
96		21.38	28.50

ANCHORS PATTERNS AT MULLION

AP1
(4 ANCHORS)



AP2
(6 ANCHORS)



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ANCHOR SCHEDULE				
INSTALLATION METHOD	SUBSTRATE	ANCHOR TYPE	MINIMUM EDGE DISTANCE	MINIMUM EMBEDMENT
THROUGH FRAME OR CLIP	WOOD (MIN. SG=0.55)	#10 WOOD SCREW	0.75"	1.50"
	1/8" ALUMINUM (6063-T5 MIN.) OR 18 GAUGE STEEL (A36 MIN.)	#10 SELF-DRILLING OR SELF-TAPPING SCREW	0.50"	3 THREADS MIN. PENETRATION BEYOND STRUCTURE
	MIN. 3000 PSI CONCRETE	3/16" ITW TAPCON	2.25"	1"
	MIN. 2000 PSI CMU PER ASTM C90			

WINDSOR WINDOWS & DOORS
A Woodgrain Millwork Company

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900 S. 19TH STREET.
WEST DES MOINES, IA 50265
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TITLE: NEXT DIMENSION MULLION (WZ3)(IMPACT)
ANCHOR CAPACITY TABLES AND ANCHOR DETAILS - THROUGH FRAME OR CLIP

PREPARED BY: BUILDING DROPS, INC.
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REMARKS	BY	DATE
2026 FBC UPDATE	LS	06/26

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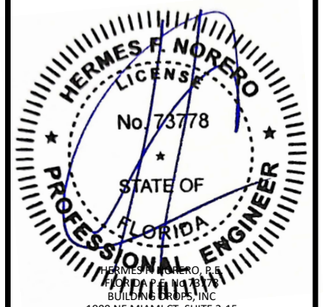

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REV. A
OF 6