

c:\Users\danielbuitrago\building drops, inc\building drops landing - common\projects\reynaers aluminium\lbc-25-0260 - fbc submittal - masterline 8 products - w3\dwgs\fixed\rey001.dwg 10/14/2025 5:50 PM

REYNAERS ALUMINIUM

MASTERLINE 8 FIXED WINDOW

(WZ3)(IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - TAS 201-94
 - TAS 203-94
 - ASTM E1886-13a
 - ASTM E1996-14a
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. 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.
5. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
7. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
8. WINDOW FRAME MATERIAL: ALUMINUM 6060-T66
9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

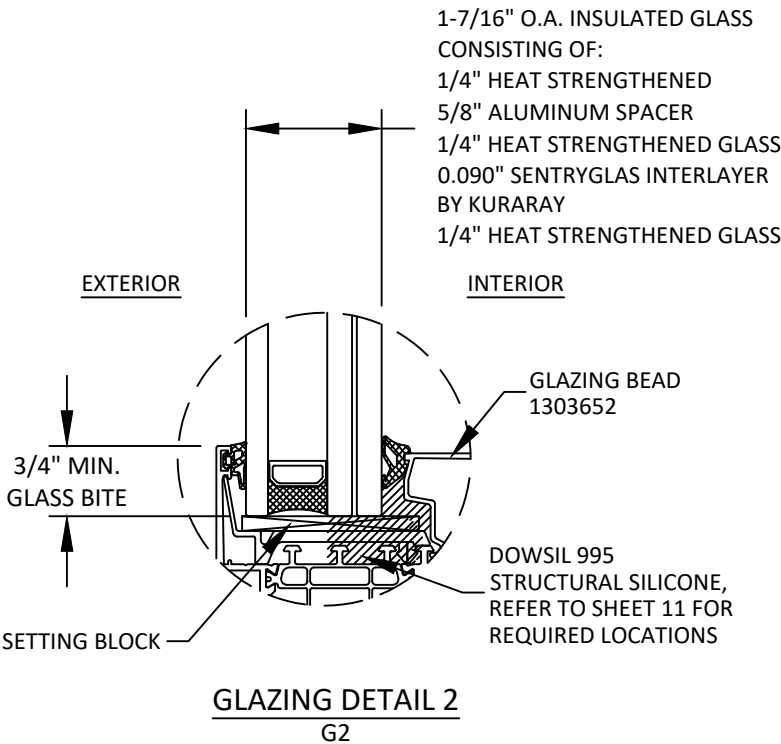
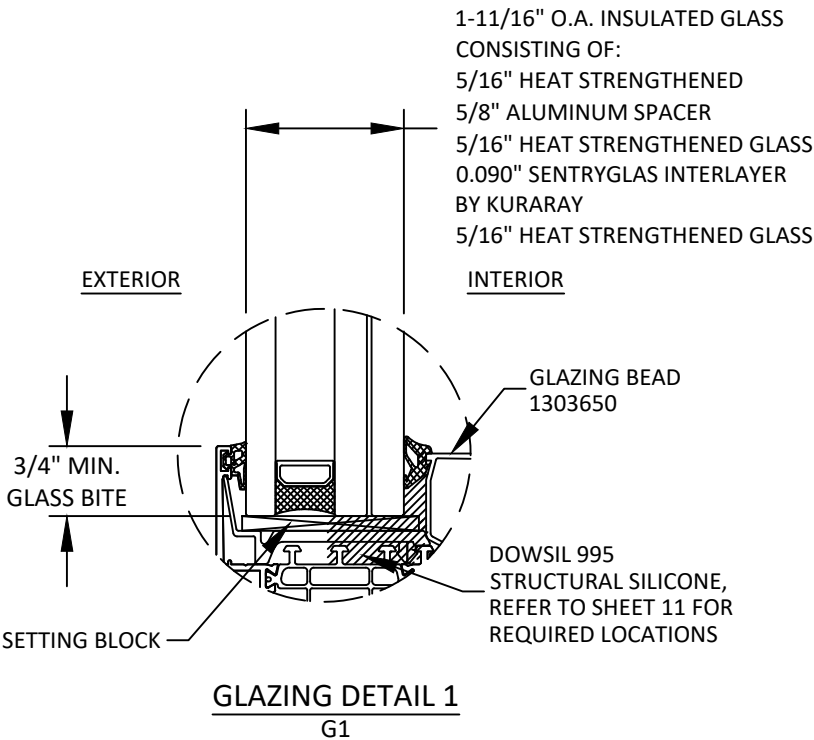


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DESIGN PRESSURE RATING (PSF)				
CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
O	SEE TABLES ON SHEET 2			LARGE & SMALL MISSILE IMPACT

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



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
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TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)
GENERAL NOTES &
GLAZING DETAILS

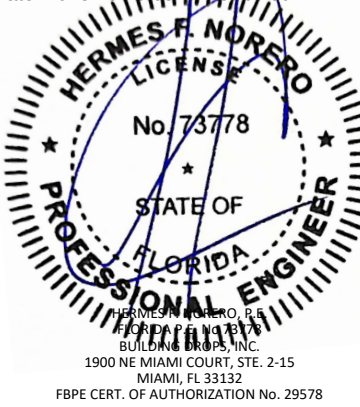
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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FAX: (954) 744-4738
WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.10.15 08:46:29 -04'00'



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07.28.25

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DB

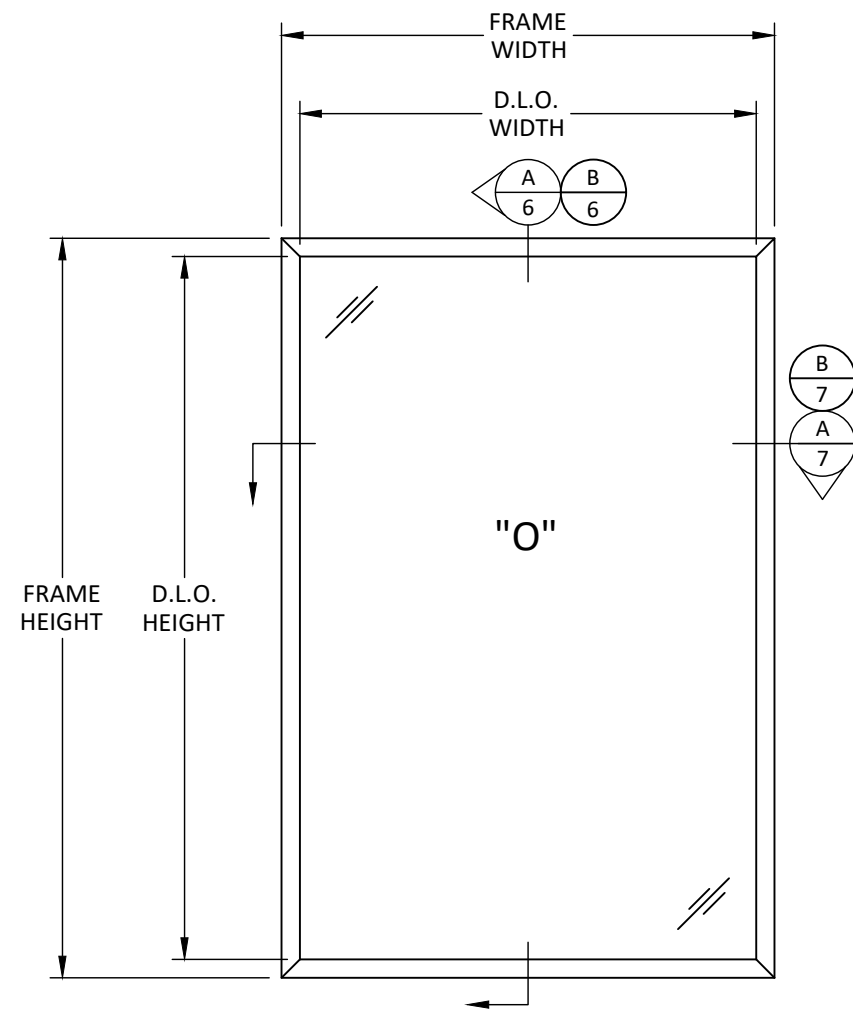
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HFN

SCALE:
NTS

DWG. #:
REY001

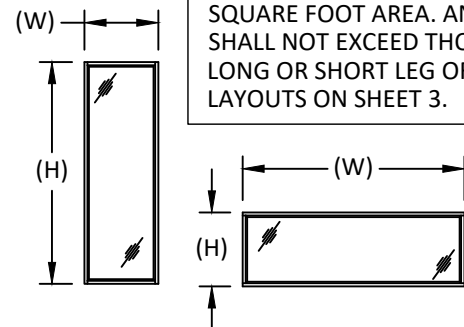
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ELEVATION
FIXED WINDOW

D.L.O. HEIGHT = FRAME HEIGHT - 4.75"
D.L.O. WIDTH = FRAME WIDTH - 4.75"



NOTE:
WINDOW WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM TESTED SQUARE FOOT AREA. ANCHOR SPACING SHALL NOT EXCEED THOSE SHOWN FOR LONG OR SHORT LEG OF UNIT, SEE ANCHOR LAYOUTS ON SHEET 3.

DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		G1 (+/- PSF)	G2 (+/- PSF)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
36	60	65.0	65.0
42		65.0	65.0
48		65.0	64.6
54		65.0	56.8
60		63.9	50.6
66		63.9	50.6
72		63.9	50.6
78		63.9	-
84		63.9	-
90		63.9	-
96		63.9	-
36	66	65.0	65.0
42		65.0	65.0
48		65.0	64.6
54		65.0	56.8
60		63.9	50.6
66		57.6	45.6
72		57.6	-
78		57.6	-
84		57.6	-
96		57.6	-
36	72	65.0	65.0
42		65.0	65.0
48		65.0	64.6
54		65.0	56.8
60		63.9	50.6
66		57.6	-
72		52.5	-
78		52.5	-

DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		G1 (+/- PSF)	G2 (+/- PSF)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
36	78	65.0	65.0
42		65.0	65.0
48		65.0	64.6
54		65.0	56.8
60		63.9	-
66		57.6	-
72		52.5	-
36	84	65.0	65.0
42		65.0	65.0
48		65.0	64.6
54		65.0	56.8
60		63.9	-
66		57.6	-
36	90	65.0	65.0
42		65.0	65.0
48		65.0	64.6
54		65.0	-
60		63.9	-
72		63.9	-
36	96	65.0	65.0
42		65.0	-
54		65.0	-
60		63.9	-
72		63.9	-
84		63.9	-
36	102	65.0	65.0
42		65.0	65.0
48		65.0	-
54		65.0	-

DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		G1 (+/- PSF)	G2 (+/- PSF)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
36	108	65.0	65.0
42		65.0	65.0
48		65.0	-
54		65.0	-
36	114	65.0	65.0
42		65.0	-
48		65.0	-
36	120	65.0	65.0
42		65.0	-
48		65.0	-
36	126	65.0	65.0
42		65.0	-
36	132	65.0	-
42		65.0	-
36	138	65.0	-
42		65.0	-
36	144	65.0	-
36	150	65.0	-
36	156	65.0	-
36	162	65.0	-



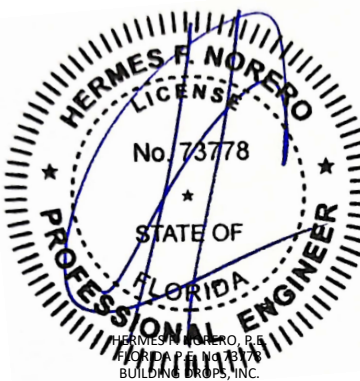
2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)
ELEVATION & DESIGN
PRESSURE TABLES

PREPARED BY:
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BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

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07.28.25

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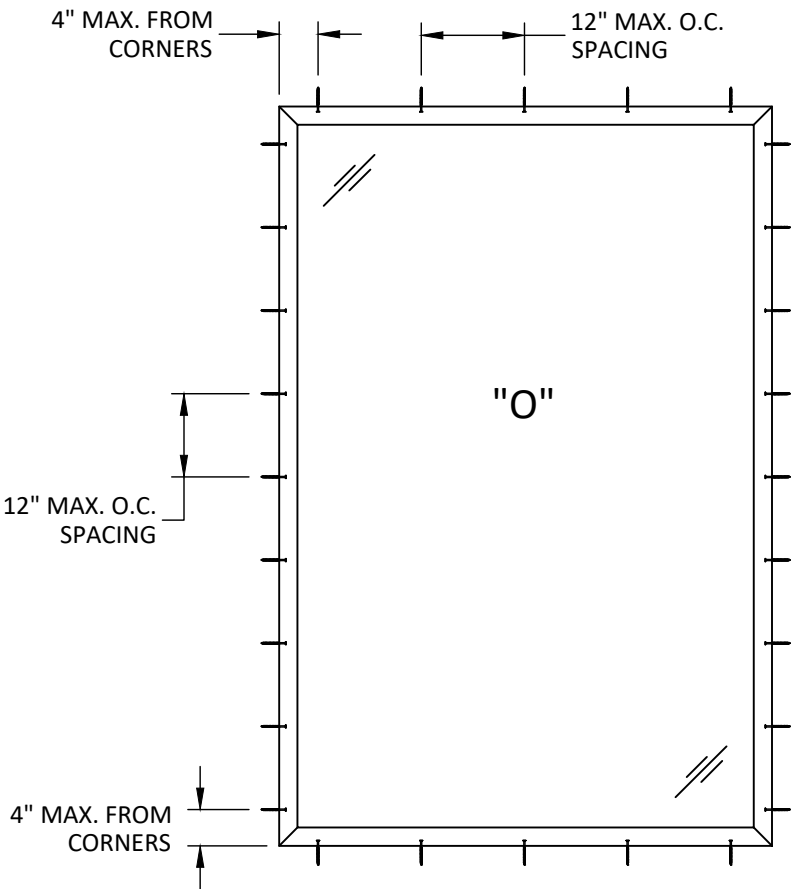
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HFN

SCALE:
NTS

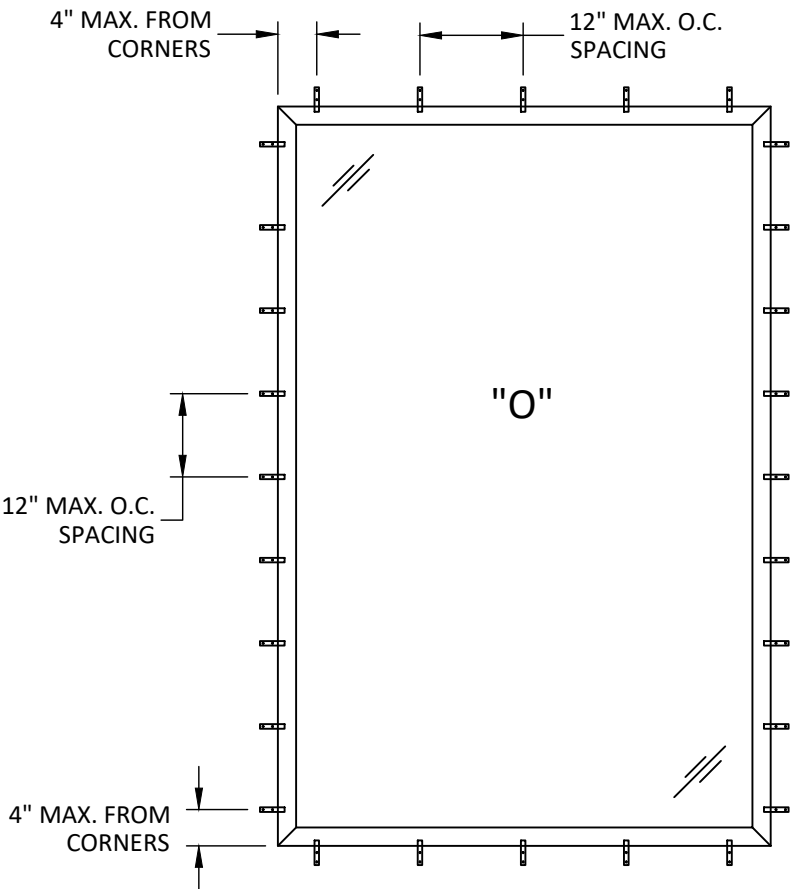
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ANCHOR LAYOUT
THROUGH FRAME INSTALLATION



ANCHOR LAYOUT
STRAP INSTALLATION



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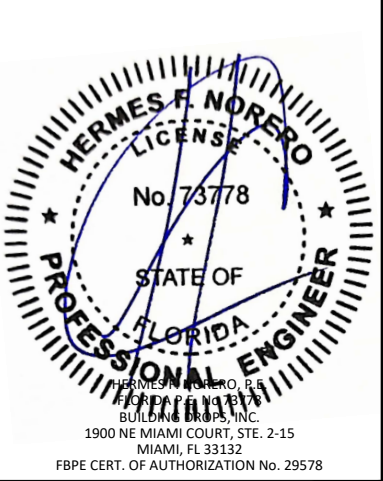
TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)
ANCHOR LAYOUTS

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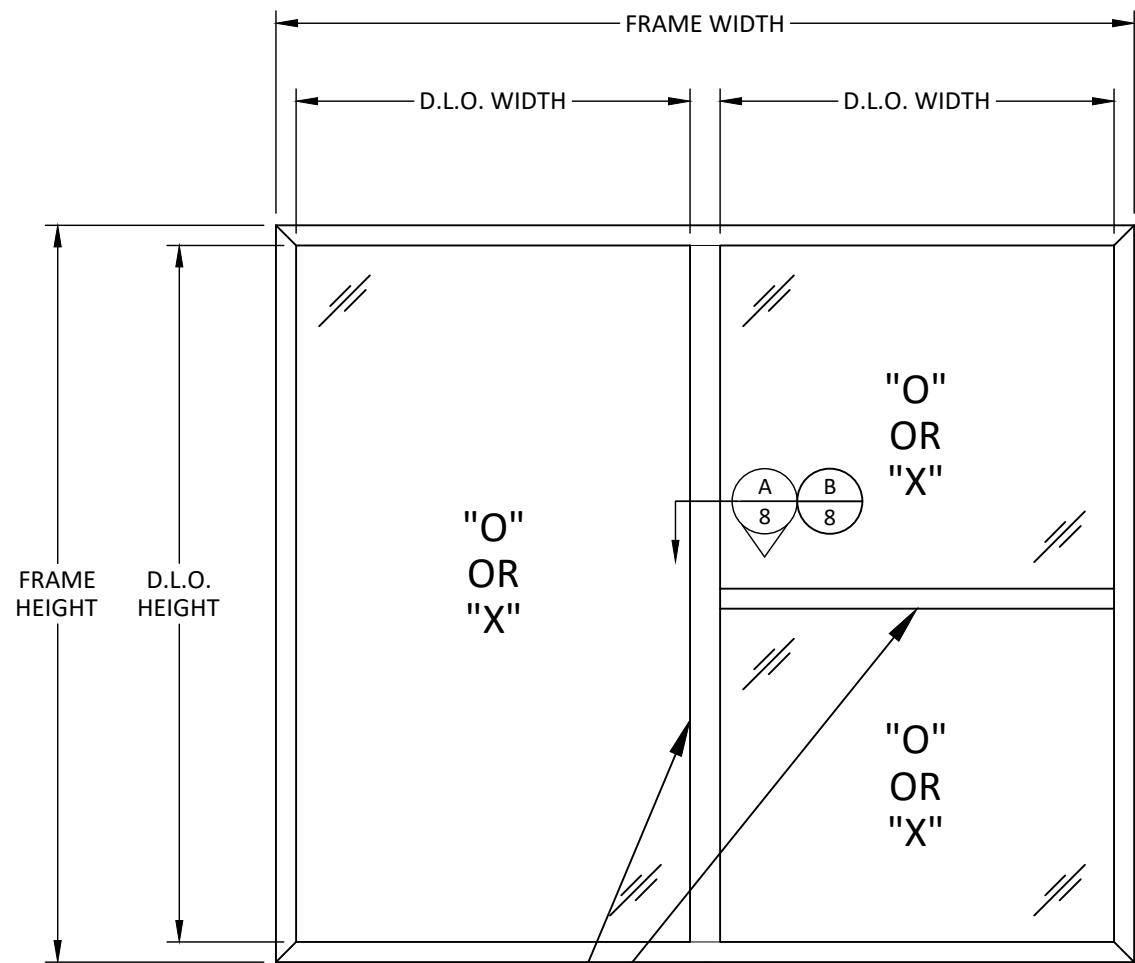
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SEE SHEETS 8 AND 12-15 FOR QUALIFIED INTEGRAL MULLIONS AND ALLOWABLE DESIGN PRESSURES

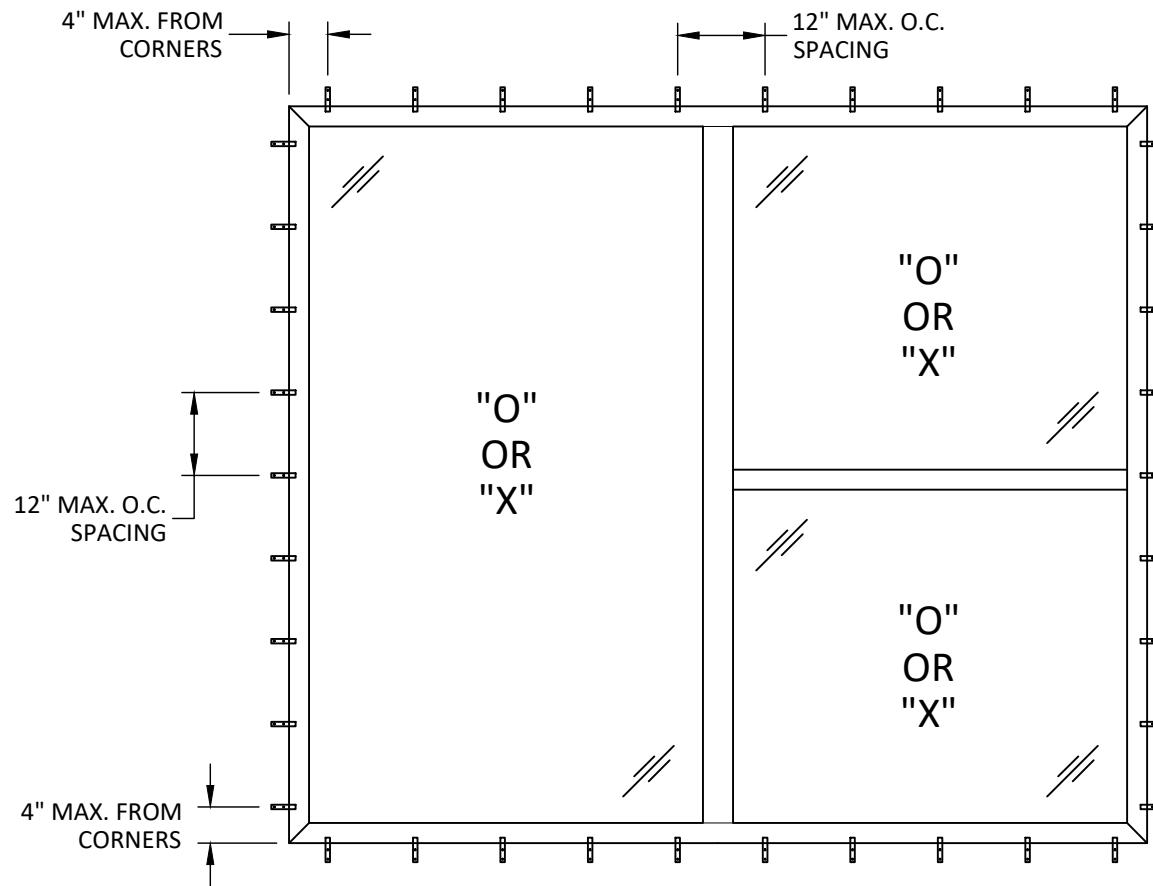
ELEVATION
MULLED FIXED WINDOW
(INTEGRAL MULLION)

NOTE: MULLIONS MAY BE USED VERTICALLY OR HORIZONTALLY. 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.

NOTE: THE INTEGRAL MULLIONS MENTIONED IN THIS APPROVAL ARE ONLY APPLICABLE TO THE FOLLOWING MASTERLINE 8 PRODUCTS:

- FIXED
- TILT & TURN AND TURN & TILT
- INSWING CASEMENT
- INSWING TERRACE SIDE HINGED DOOR

THESE PRODUCTS CAN BE COMBINED AND PLACED IN ANY CONFIGURATION. THE MASTERLINE 8 PRODUCTS CAN BE FOUND UNDER SEPARATE APPROVALS. UNITS LIMITED BY TABLES SHOWN ON SHEETS 12-15 AND BY TABLES SHOWN ON THEIR RESPECTIVE APPROVALS.



ANCHOR LAYOUT
MULLED FIXED WINDOW
STRAP INSTALLATION
(INTEGRAL MULLION)



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CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

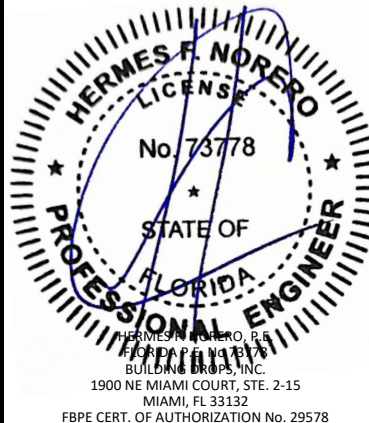
TITLE: MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)
INTEGRAL MULLION
ELEVATION & ANCHOR LAYOUT

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1900 NE MIAMI COURT, STE. 2-15
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FAX: (954) 744-4738
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REMARKS	BY	DATE

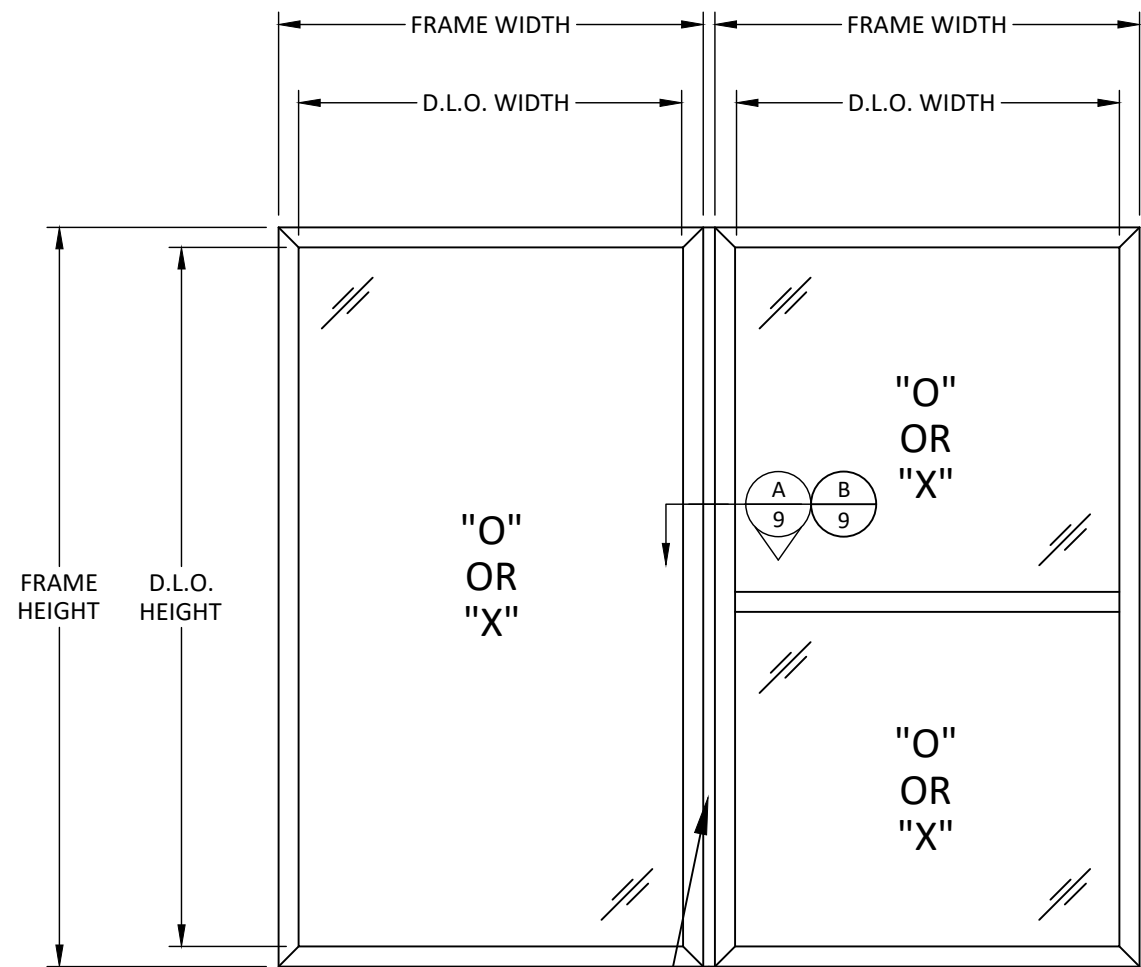
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SCALE:	NTS
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SEE SHEETS 9 AND 16-18 FOR
QUALIFIED STANDALONE MULLIONS
AND ALLOWABLE DESIGN PRESSURES

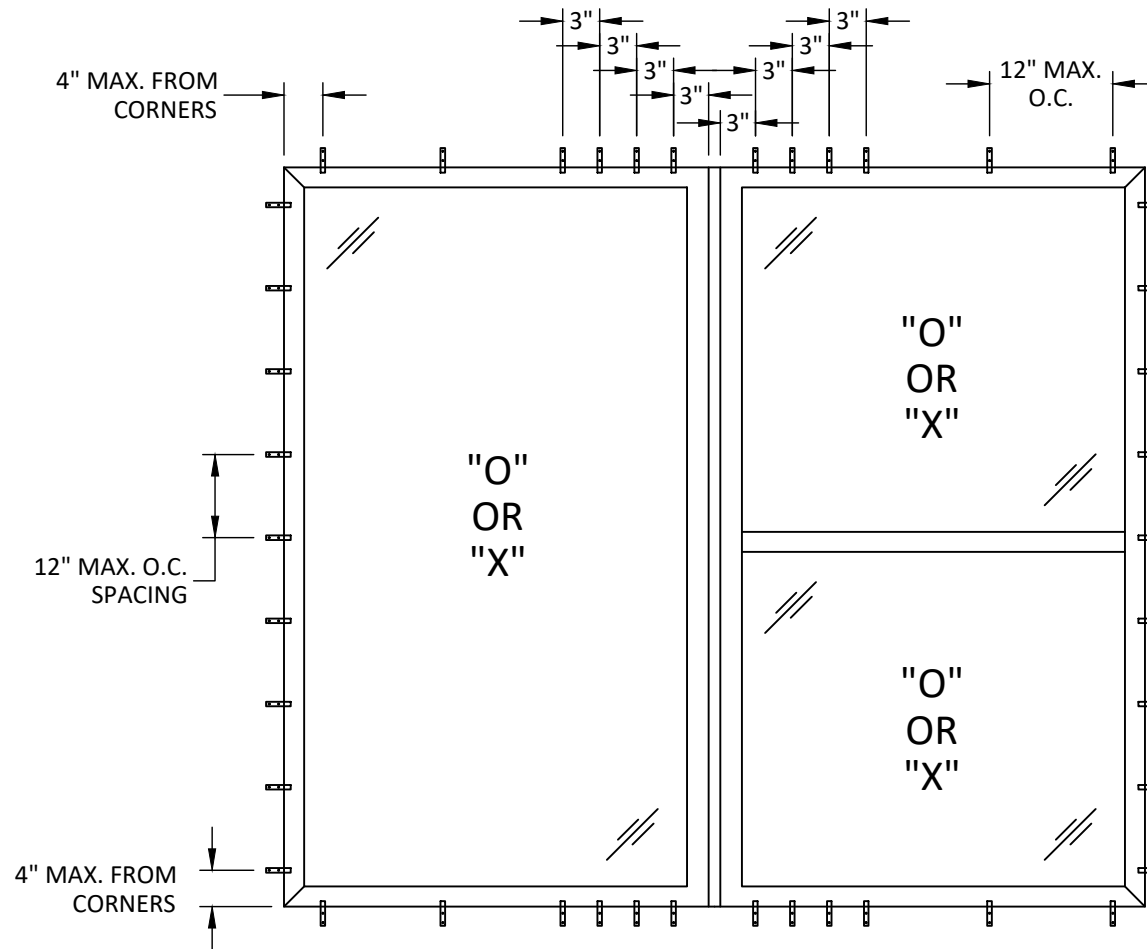
ELEVATION
MULLED FIXED WINDOW
(STANDALONE MULLION)

NOTE: MULLIONS MAY BE USED VERTICALLY OR HORIZONTALLY. 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.

NOTE: THE STANDALONE MULLIONS MENTIONED IN THIS APPROVAL ARE ONLY APPLICABLE TO THE FOLLOWING MASTERLINE 8 PRODUCTS:

- FIXED
- TILT & TURN AND TURN & TILT
- CASEMENT
- AWNING
- TERRACE SIDE HINGED DOOR
- ENTRANCE SIDE HINGED DOOR

THESE PRODUCTS CAN BE COMBINED AND PLACED IN ANY CONFIGURATION. THE MASTERLINE 8 PRODUCTS CAN BE FOUND UNDER SEPARATE APPROVALS. UNITS LIMITED BY TABLES SHOWN ON SHEETS 16-18 AND BY TABLES SHOWN ON THEIR RESPECTIVE APPROVALS.



ANCHOR LAYOUT
MULLED FIXED WINDOW
STRAP INSTALLATION
(STANDALONE MULLION)



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CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE: MASTERLINE 8 FIXED WINDOW
(W23) (IMPACT)

STANDALONE MULLION
ELEVATION & ANCHOR LAYOUT

PREPARED BY:

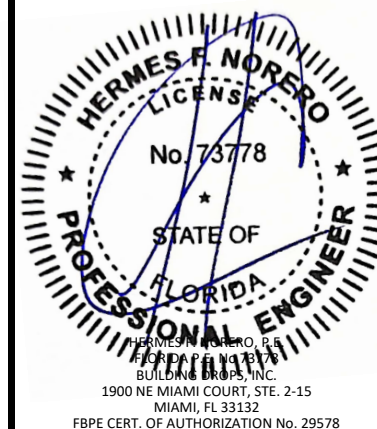
BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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FAX: (954) 744-4738
WEB: www.buildingdrops.com



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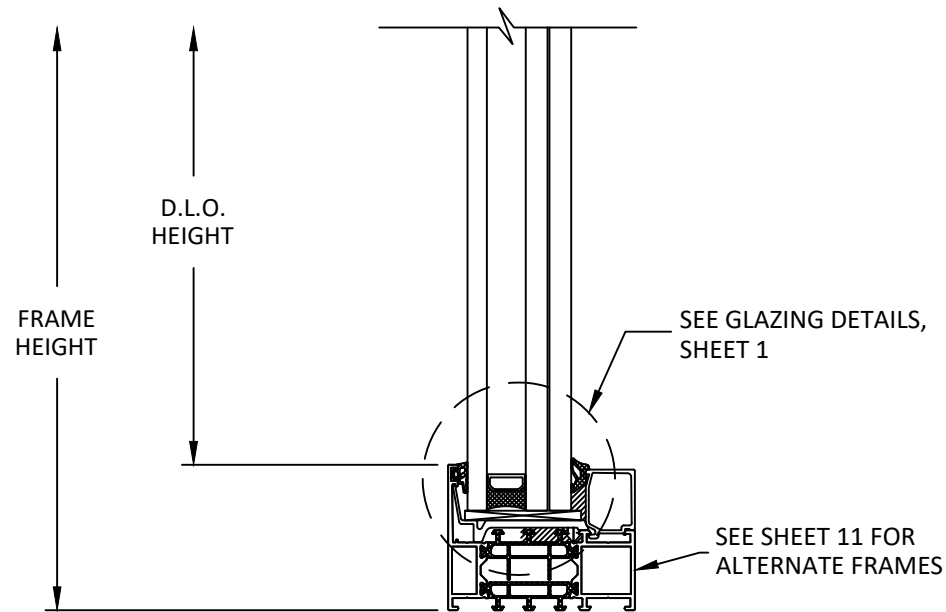
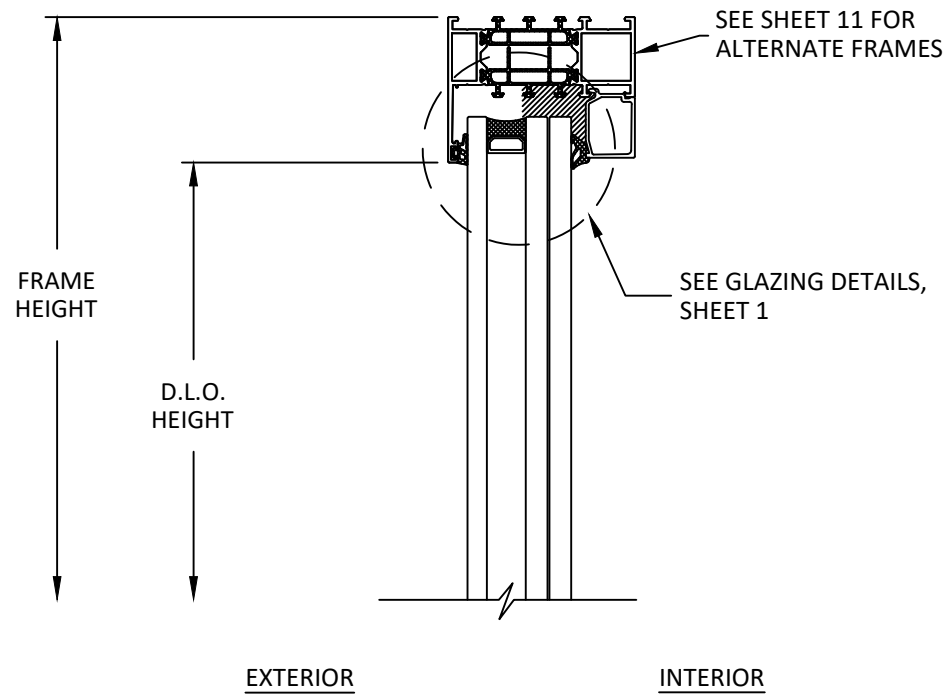
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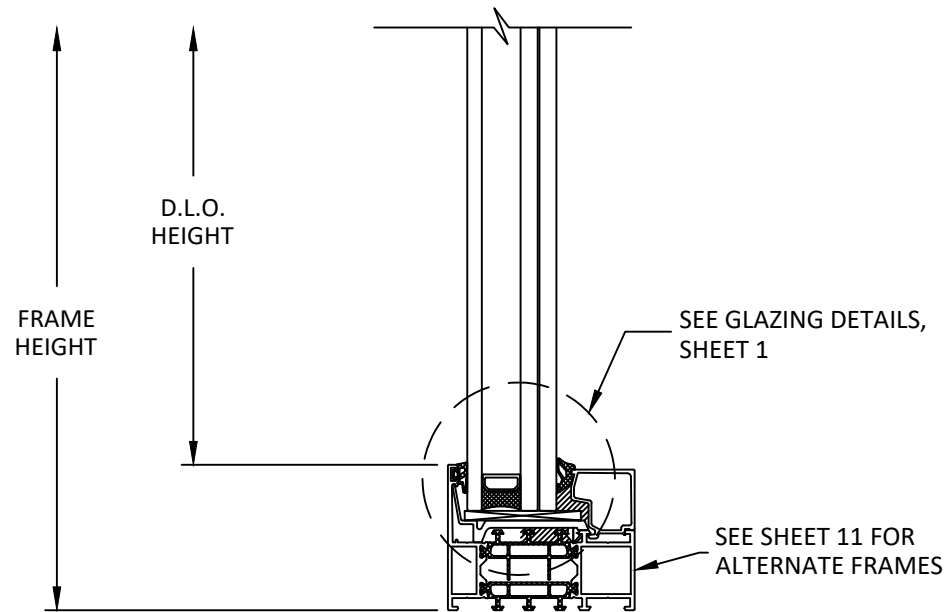
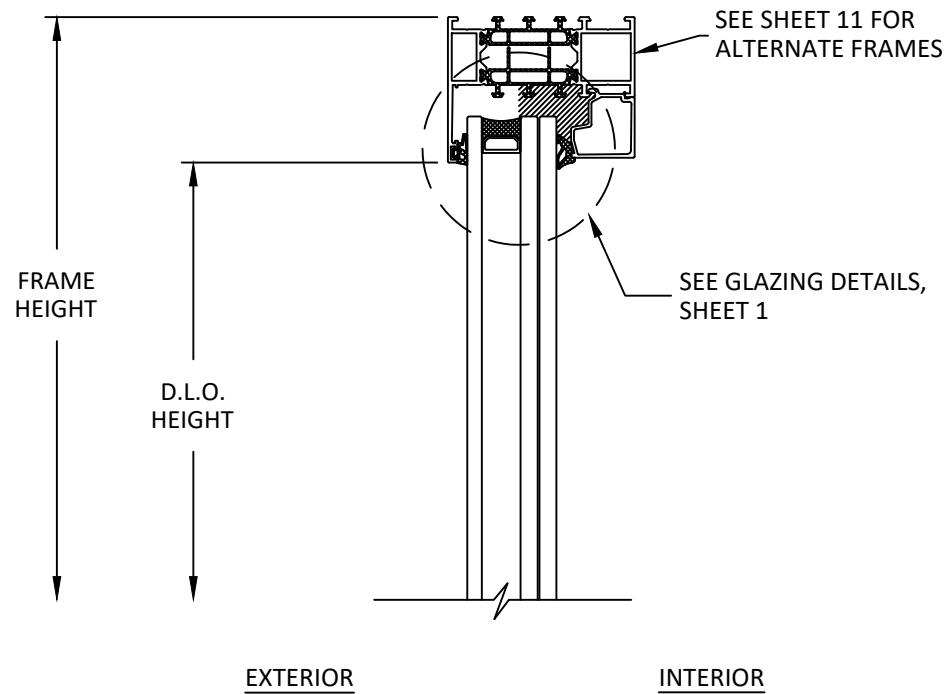
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A
6 VERTICAL SECTION
FRAME 408.0183.XX
G1



B
6 VERTICAL SECTION
FRAME 408.0183.XX
G2



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TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)

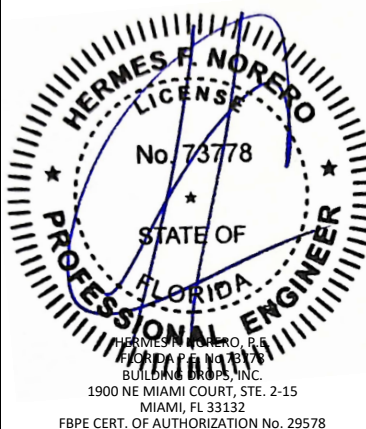
VERTICAL SECTIONS

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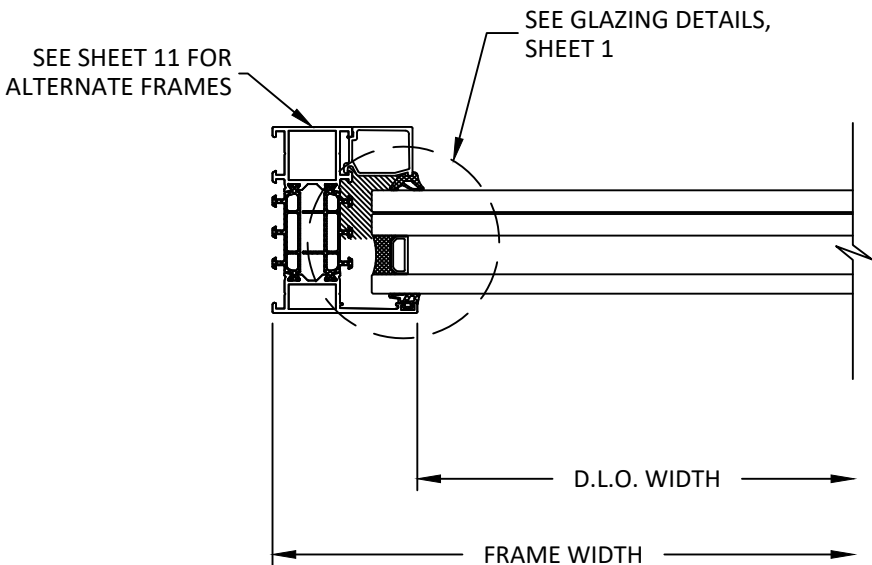
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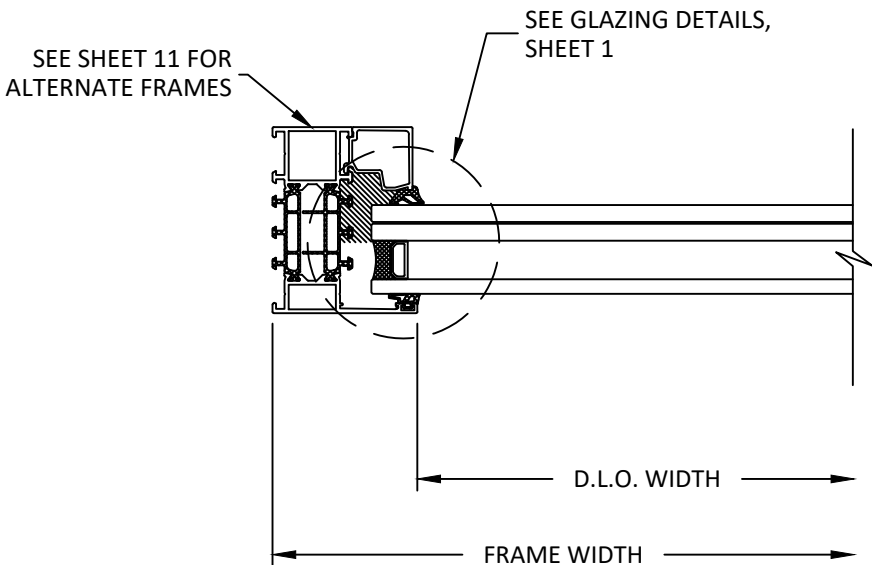
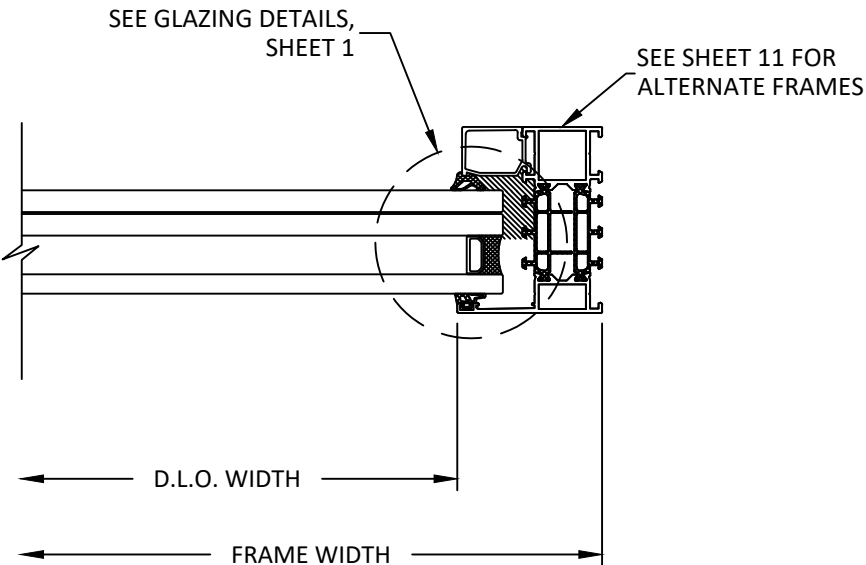


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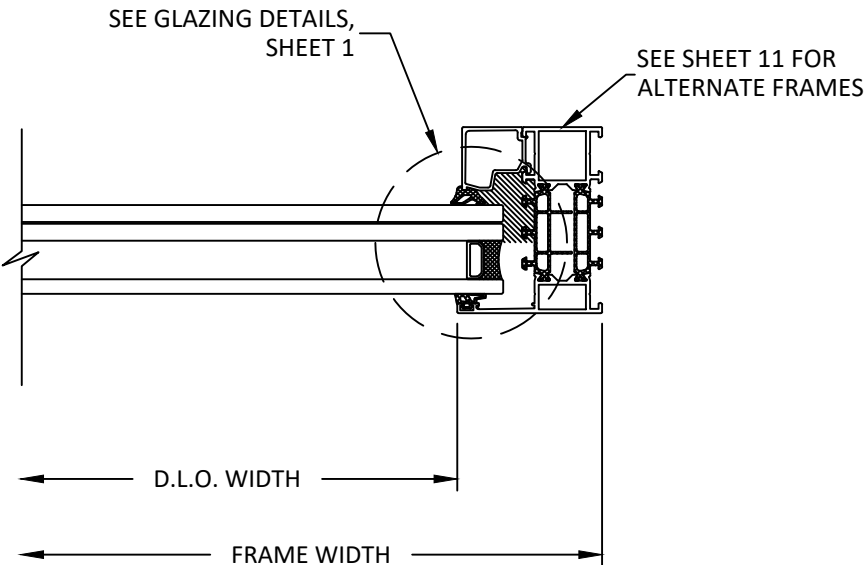
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A
7 HORIZONTAL SECTION
FRAME 408.0183.XX
G1



B
7 HORIZONTAL SECTION
FRAME 408.0183.XX
G2



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CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)

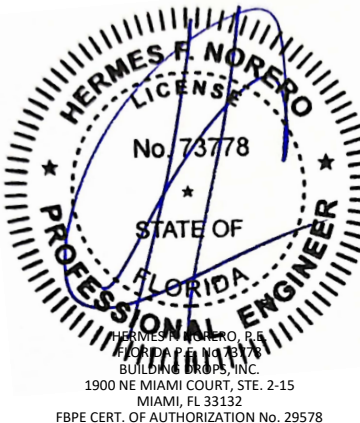
HORIZONTAL SECTIONS

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BUILDING DROPS, INC.
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REMARKS	BY	DATE

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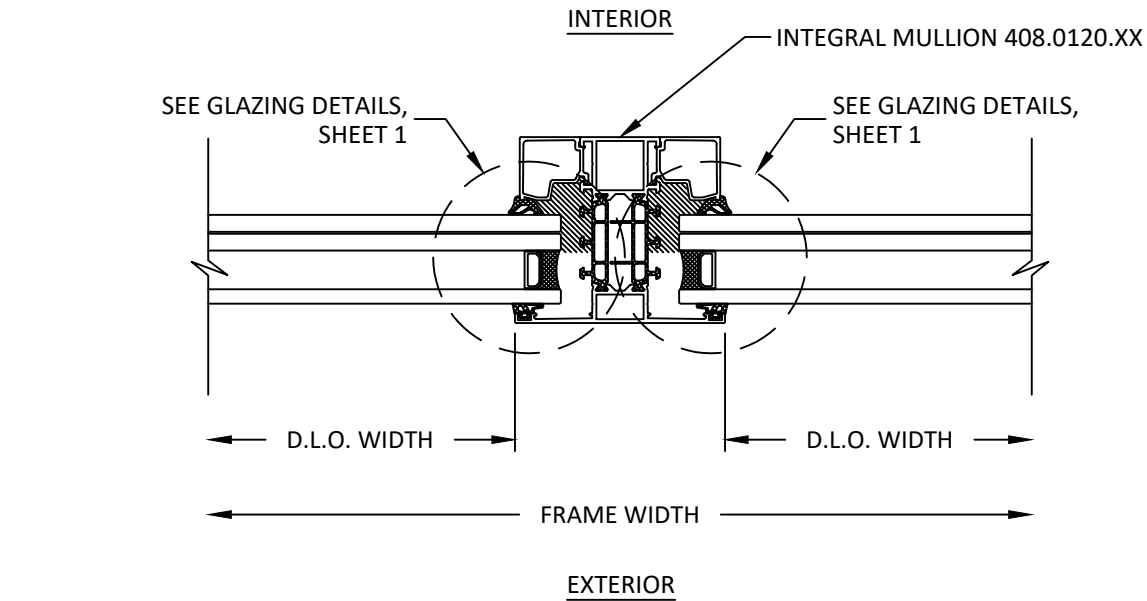
FL #:	FL47832
DATE:	07.28.25
DWG. BY:	CHK. BY:
DB	HFN
SCALE:	NTS
DWG. #:	REY001
SHEET:	7

c:\Users\danielbuitrago\building drops, inc\building drops landing - common\projects\reynaers aluminium\lbc-submittal - masterline 8 products - wz3\dwgs\fixed\rey001.dwg 10/14/2025 5:50 PM

QUALIFIED INTEGRAL MULLIONS:

- 408.0120.XX (SHOWN)
- 408.0165.XX
- 408.0111.XX
- 408.3111.XX
- 408.0118.XX
- 408.3180.XX

SEE SHEETS 12-15 FOR ALLOWABLE DESIGN PRESSURES AND SIZES.

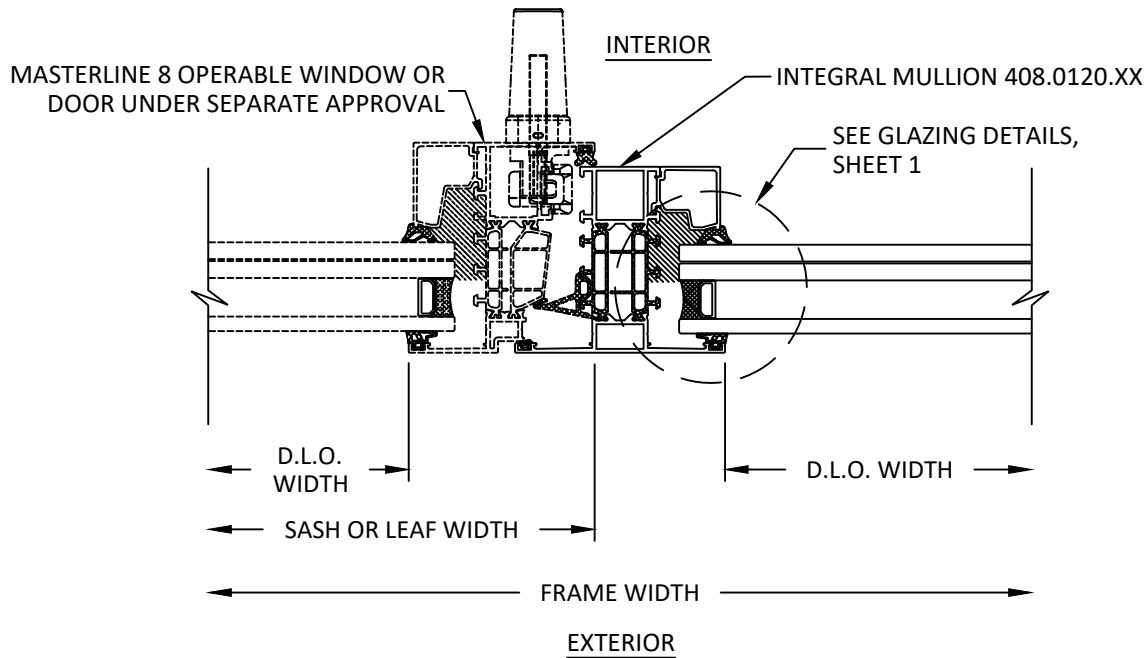


A

8

HORIZONTAL SECTION

INTEGRAL MULLION
FIXED TO FIXED



B

8

HORIZONTAL SECTION

INTEGRAL MULLION
OPERABLE TO FIXED

NOTE: THE INTEGRAL MULLIONS MENTIONED IN THIS APPROVAL ARE ONLY APPLICABLE TO THE FOLLOWING MASTERLINE 8 PRODUCTS:

- FIXED
- TILT & TURN AND TURN & TILT
- INSWING CASEMENT
- INSWING TERRACE SIDE HINGED DOOR

THESE PRODUCTS CAN BE COMBINED AND PLACED IN ANY CONFIGURATION. THE MASTERLINE 8 PRODUCTS CAN BE FOUND UNDER SEPARATE APPROVALS. UNITS LIMITED BY TABLES SHOWN ON SHEETS 12-15 AND BY TABLES SHOWN ON THEIR RESPECTIVE APPROVALS.

REYNAERS
Aluminium

2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)

INTEGRAL MULLION SECTIONS

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

B.D.

BUILDING DROPS

REMARKS	BY	DATE

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

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

FL #:
FL47832

DATE: 07.28.25

DWG. BY:
DB

CHK. BY:
HFN

SCALE: NTS

DWG. #: REY001

SHEET:
8

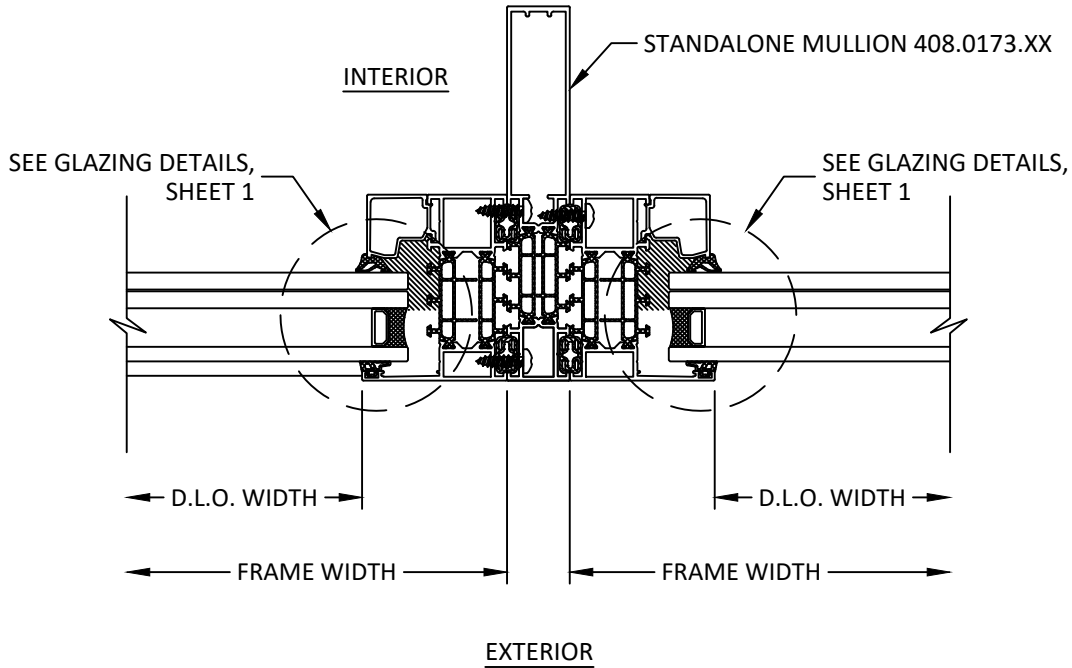
OF 18

c:\Users\danielbultrago\building drops, inc\building drops landing - common\projects\reynaeers aluminium\lbc-25-0260 - lbc submittal - masterline 8 products - w23\dwgs\fixed\rey001.dwg 10/14/2025 5:50 PM

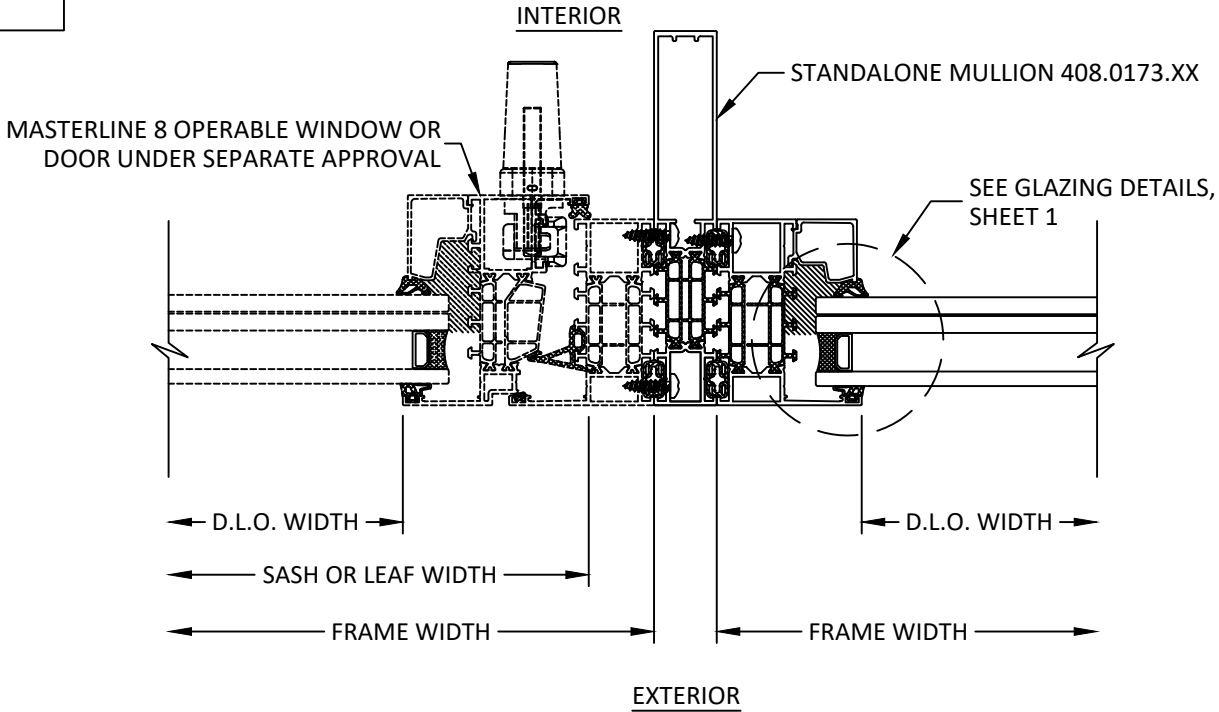
QUALIFIED STANDALONE MULLIONS:

- 408.0173.XX (SHOWN)
- 408.0174.XX
- 408.0872.XX + 408.0873.XX

SEE SHEETS 16-18 FOR ALLOWABLE DESIGN PRESSURES, SIZES, AND REINFORCEMENT.



A
9 HORIZONTAL SECTION
STANDALONE MULLION
FIXED TO FIXED



B
9 HORIZONTAL SECTION
STANDALONE MULLION
OPERABLE TO FIXED

NOTE: THE STANDALONE MULLIONS MENTIONED IN THIS APPROVAL ARE ONLY APPLICABLE TO THE FOLLOWING MASTERLINE 8 PRODUCTS:

- FIXED
- TILT & TURN AND TURN & TILT
- CASEMENT
- AWNING
- TERRACE SIDE HINGED DOOR
- ENTRANCE SIDE HINGED DOOR

THESE PRODUCTS CAN BE COMBINED AND PLACED IN ANY CONFIGURATION. THE MASTERLINE 8 PRODUCTS CAN BE FOUND UNDER SEPARATE APPROVALS. UNITS LIMITED BY TABLES SHOWN ON SHEETS 16-18 AND BY TABLES SHOWN ON THEIR RESPECTIVE APPROVALS.



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE:
MASTERLINE 8 FIXED WINDOW
(W23) (IMPACT)

STANDALONE MULLION SECTIONS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

PH: (954) 399-8478

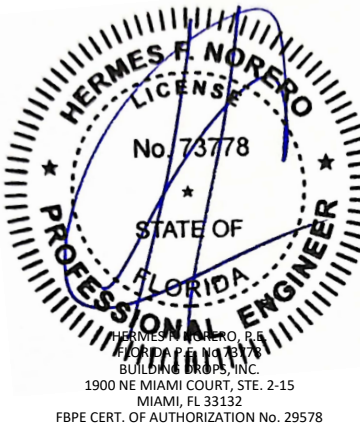
FAX: (954) 744-4738

WEB: www.buildingdrops.com



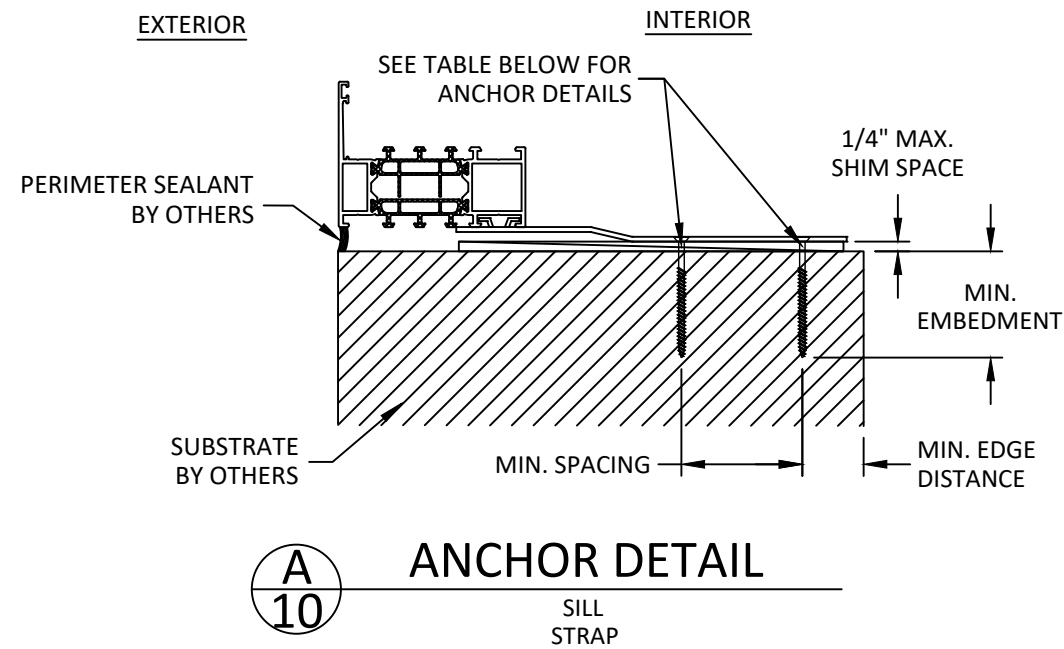
REMARKS	BY	DATE

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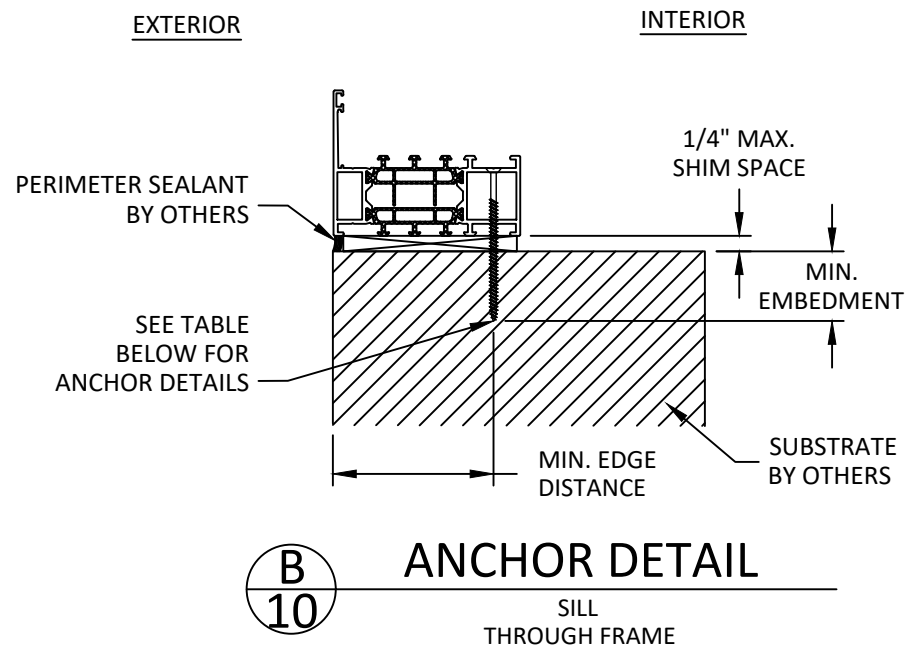


FL #:	FL47832
DATE:	07.28.25
DWG. BY:	CHK. BY:
DB	HFN
SCALE:	NTS
DWG. #:	REY001
SHEET:	9

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NOTE: JAMB & HEAD SIMILAR



NOTE: JAMB & HEAD SIMILAR

INSTALLATION NOTES:

- FOR STRAP INSTALLATION, TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN. FOR THROUGH FRAME INSTALLATION, ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ 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.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE 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.
- FOR MASONRY OR CONCRETE OPENINGS, A 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.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MIN. SPACING
STRAP AND THROUGH FRAME	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	0.75"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#10 SELF-DRILLING SCREW	3 THREADS MIN. PENETRATION BEYOND STRUCTURE WALL	0.50"	0.75"
	CONCRETE: f'c=3000PSI	3/16" ITW TAPCON	1.00"	3.00"	1.75"
	MASONRY: CMU PER ASTM C90 MIN. 2000 PSI				



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE: MASTERLINE 8 FIXED WINDOW (WZ3) (IMPACT)

INSTALLATION NOTES & ANCHOR 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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FL #: **FL47832**

DATE: **07.28.25**

DWG. BY: DB	CHK. BY: HFN
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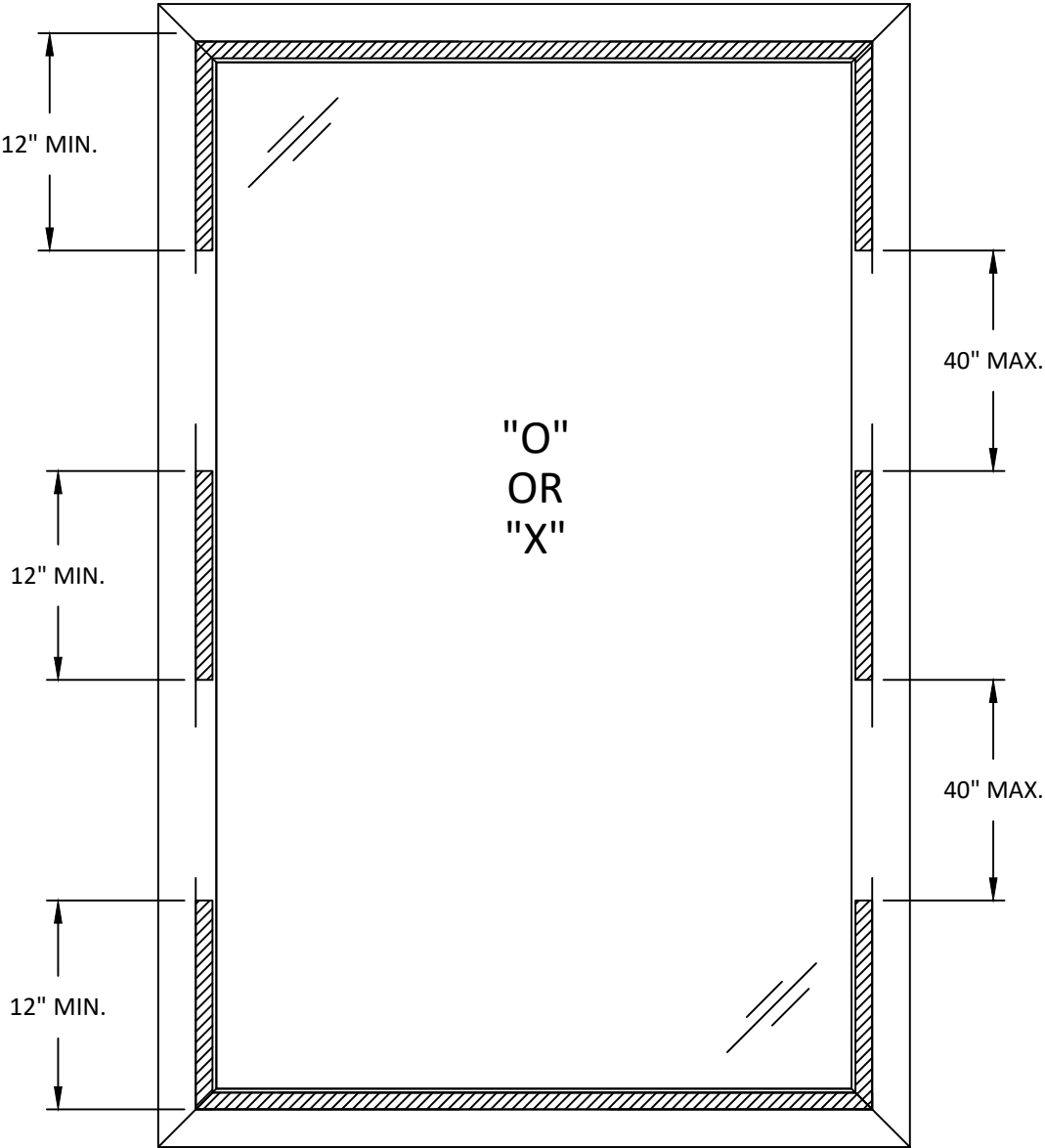
SCALE: **NTS**

DWG. #: **REY001**

SHEET: **10** OF 18

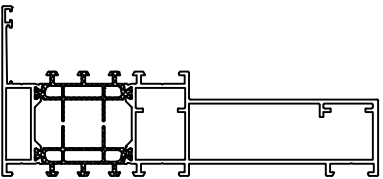
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STRUCTURAL SILICONE LOCATIONS FOR MASTERLINE 8 PRODUCTS

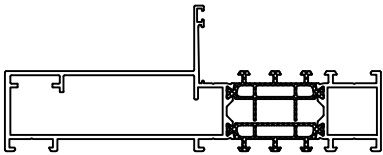


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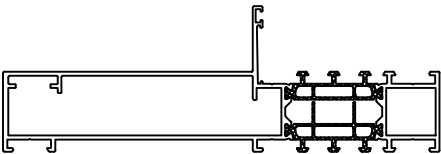
ALTERNATE FRAMES



408.8160.XX



408.8155.XX



408.0327.XX



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)

STRUCTURAL SILICONE LOCATIONS
& ALTERNATE FRAMES

PREPARED BY:

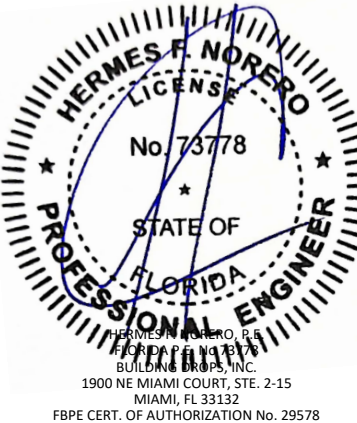
BUILDING DROPS, INC.

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



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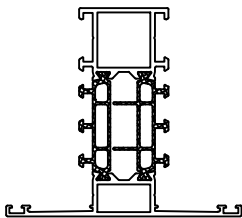


FL #:	FL47832
DATE:	07.28.25
DWG. BY:	CHK. BY:
DB	HFN
SCALE:	NTS
DWG. #:	REY001
SHEET:	11

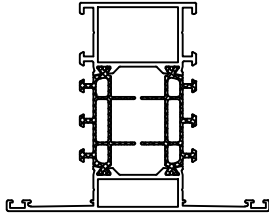
MULLION ALLOWABLE DESIGN PRESSURE TABLE: 408.0120.XX/408.0165.XX

MULLION ALLOWABLE DESIGN PRESSURE TABLE (PSF)														
MULL LENGTH - L (IN.)	TRIBUTARY WIDTH - W (IN.)													
	24	30	36	42	48	54	60	66	72	78	84	90	96	
24	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	
30	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	
36	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	
42	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	
48	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	60.8	56.5	52.7	49.4	
54	65.0	65.0	65.0	65.0	65.0	65.0	62.5	56.8	52.1	48.1	44.6	41.7	39.1	
60	65.0	65.0	65.0	65.0	63.3	56.2	50.6	46.0	42.2	38.9	36.2	33.7	31.6	
66	65.0	65.0	65.0	55.9	48.9	43.5	39.1	35.6	32.6	30.1	27.9	-	-	
72	65.0	60.3	50.2	43.1	37.7	33.5	30.1	27.4	25.1	23.2	-	-	-	
78	59.3	47.4	39.5	33.9	29.6	26.3	23.7	21.6	19.8	-	-	-	-	
84	47.5	38.0	31.6	27.1	23.7	21.1	19.0	17.3	-	-	-	-	-	
90	38.6	30.9	25.7	22.0	19.3	17.1	-	-	-	-	-	-	-	
96	31.8	25.4	21.2	18.2	-	-	-	-	-	-	-	-	-	
102	26.5	21.2	17.7	-	-	-	-	-	-	-	-	-	-	
108	22.3	17.9	-	-	-	-	-	-	-	-	-	-	-	
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120	16.3	-	-	-	-	-	-	-	-	-	-	-	-	
126	-	-	-	-	-	-	-	-	-	-	-	-	-	
132	-	-	-	-	-	-	-	-	-	-	-	-	-	
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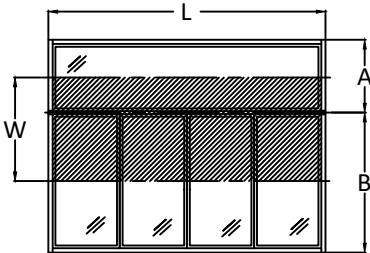
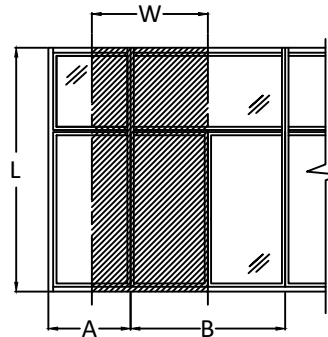
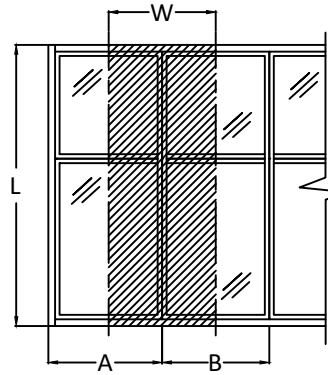
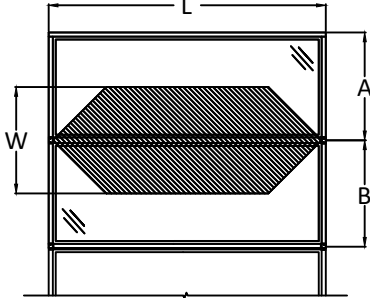
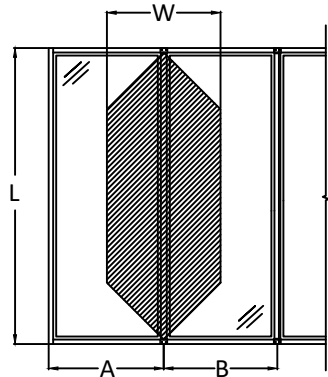
- NOTE:
- DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - DEFLECTION HAS BEEN LIMITED TO L/175.
 - TRIBUTARY WIDTH (W) = (A + B)/2
 - SEE SHEET 8 FOR INTEGRAL MULLION DETAILS.
 - 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.
 - REFER TO REYNAERS FABRICATOR CATALOGUE FOR ADDITIONAL DETAILS ON CORRECT ASSEMBLY.



408.0120.XX



408.0165.XX



TRIBUTARY WIDTH (W) = (A + B)/2



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

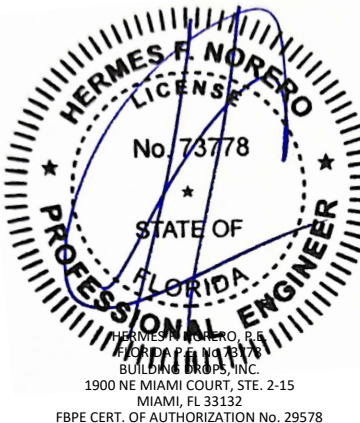
TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)
INTEGRAL MULLION DESIGN
PRESSURE TABLE I

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 #:
FL47832

DATE:
07.28.25

DWG. BY:
DB

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
REY001

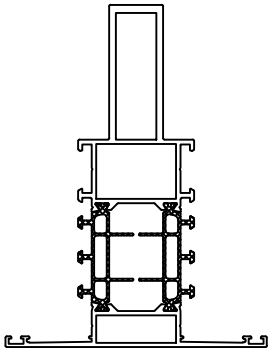
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12

OF 18

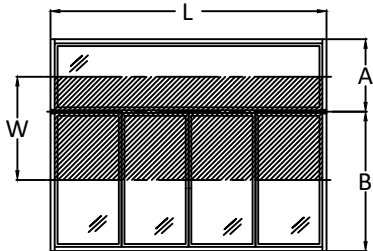
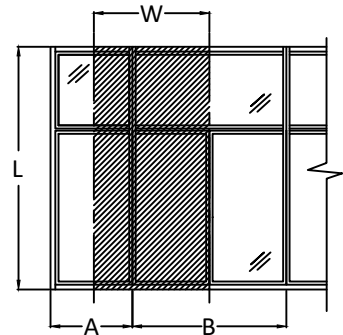
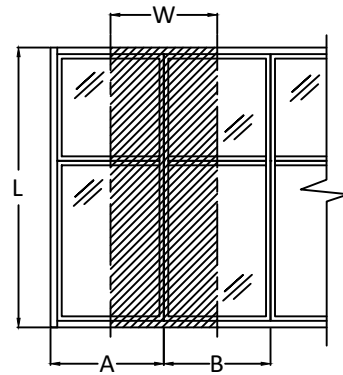
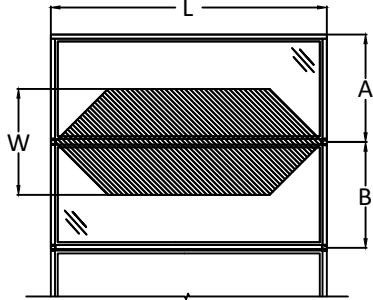
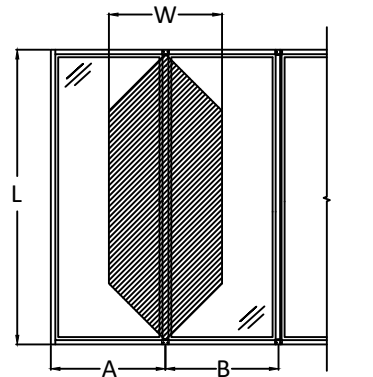
MULLION ALLOWABLE DESIGN PRESSURE TABLE: 408.0111.XX

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30	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
36	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
42	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
48	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
54	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
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66	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-
72	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	64.6	-	-	-
78	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	59.7	-	-	-	-
84	65.0	65.0	65.0	65.0	65.0	65.0	61.7	56.1	-	-	-	-	-
90	65.0	65.0	65.0	65.0	65.0	59.8	53.8	-	-	-	-	-	-
96	65.0	65.0	65.0	65.0	57.8	51.4	46.3	-	-	-	-	-	-
102	65.0	65.0	64.3	55.1	48.2	42.8	-	-	-	-	-	-	-
108	65.0	65.0	54.1	46.4	40.6	-	-	-	-	-	-	-	-
114	65.0	55.2	46.0	39.5	34.5	-	-	-	-	-	-	-	-
120	59.2	47.4	39.5	33.8	29.6	-	-	-	-	-	-	-	-
126	51.1	40.9	34.1	29.2	-	-	-	-	-	-	-	-	-
132	44.5	35.6	29.7	25.4	-	-	-	-	-	-	-	-	-
138	38.9	31.1	26.0	-	-	-	-	-	-	-	-	-	-
144	34.3	27.4	22.8	-	-	-	-	-	-	-	-	-	-

- NOTE:
- 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.
 - DEFLECTION HAS BEEN LIMITED TO L/175.
 - TRIBUTARY WIDTH (W) = (A + B)/2
 - SEE SHEET 8 FOR INTEGRAL MULLION DETAILS.
 - 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.
 - REFER TO REYNAERS FABRICATOR CATALOGUE FOR ADDITIONAL DETAILS ON CORRECT ASSEMBLY.



408.0111.XX



TRIBUTARY WIDTH (W) = (A + B)/2



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

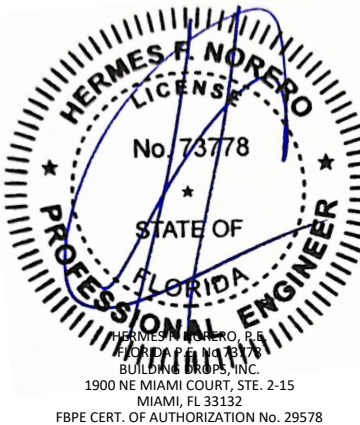
TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)
INTEGRAL MULLION DESIGN
PRESSURE TABLE II

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.

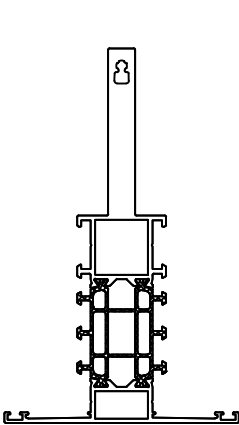


FL #:	FL47832
DATE:	07.28.25
DWG. BY:	DB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	REY001
SHEET:	13

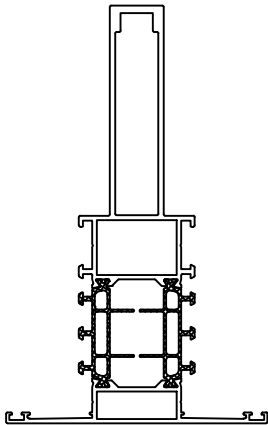
MULLION ALLOWABLE DESIGN PRESSURE TABLE: 408.0118.XX/408.3111.XX

MULLION ALLOWABLE DESIGN PRESSURE TABLE (PSF)													
MULL LENGTH - L (IN.)	TRIBUTARY WIDTH - W (IN.)												
	24	30	36	42	48	54	60	66	72	78	84	90	96
24	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
30	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
36	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
42	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
48	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
54	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
60	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
66	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-
72	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-
78	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-
84	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-	-
90	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-	-	-
96	65.0	65.0	65.0	65.0	65.0	65.0	58.5	-	-	-	-	-	-
102	65.0	65.0	65.0	65.0	63.2	56.2	-	-	-	-	-	-	-
108	65.0	65.0	65.0	60.9	53.3	-	-	-	-	-	-	-	-
114	65.0	65.0	60.4	51.8	45.3	-	-	-	-	-	-	-	-
120	65.0	62.1	51.8	44.4	38.8	-	-	-	-	-	-	-	-
126	65.0	53.7	44.7	38.3	-	-	-	-	-	-	-	-	-
132	58.3	46.7	38.9	33.3	-	-	-	-	-	-	-	-	-
138	51.1	40.9	34.0	-	-	-	-	-	-	-	-	-	-
144	44.9	36.0	30.0	-	-	-	-	-	-	-	-	-	-

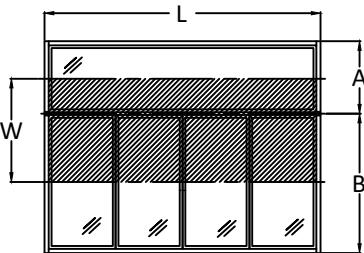
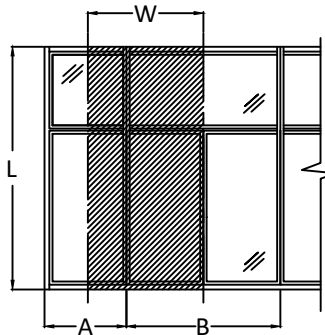
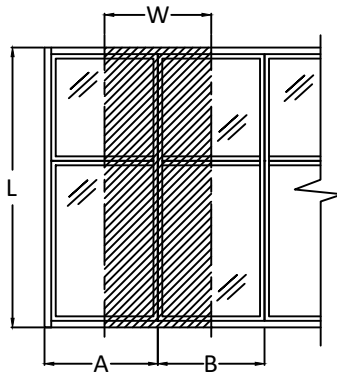
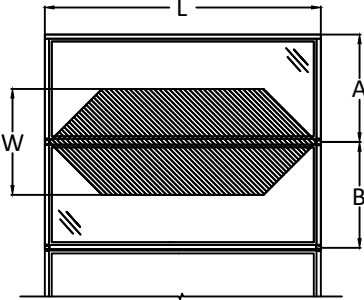
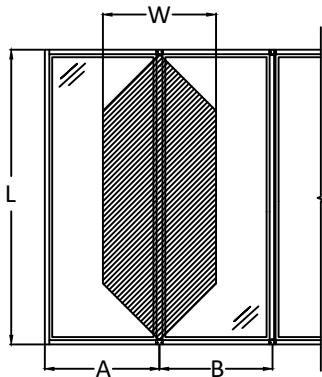
- NOTE:
- DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - DEFLECTION HAS BEEN LIMITED TO L/175.
 - TRIBUTARY WIDTH (W) = (A + B)/2
 - SEE SHEET 8 FOR INTEGRAL MULLION DETAILS.
 - 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.
 - REFER TO REYNAERS FABRICATOR CATALOGUE FOR ADDITIONAL DETAILS ON CORRECT ASSEMBLY.



408.0118.XX



408.3111.XX



TRIBUTARY WIDTH (W) = (A + B)/2



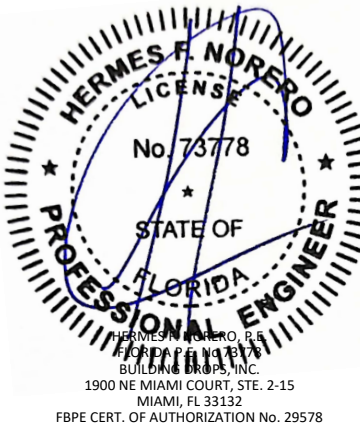
2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE: MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)
INTEGRAL MULLION DESIGN
PRESSURE TABLE III

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.

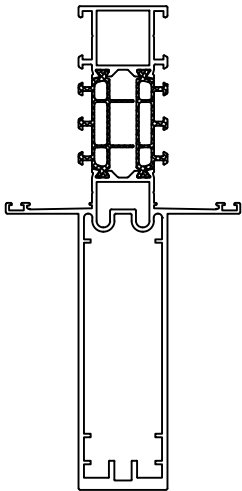


FL #:	FL47832
DATE:	07.28.25
DWG. BY:	DB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	REY001
SHEET:	14

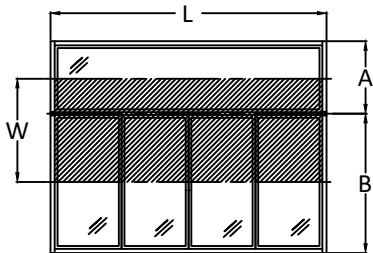
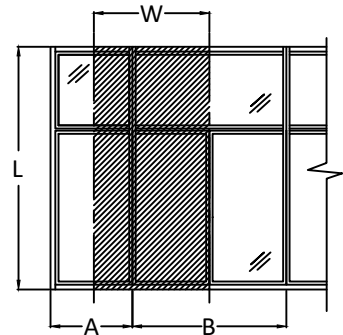
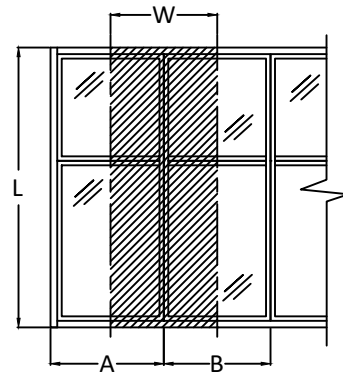
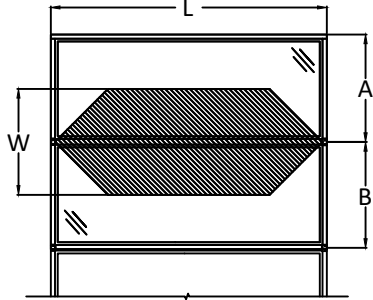
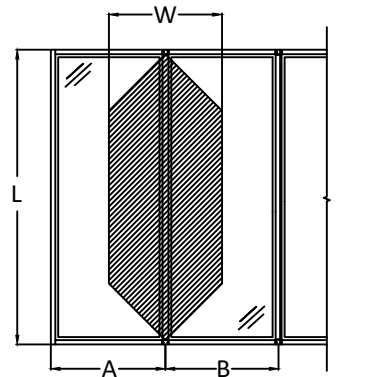
MULLION ALLOWABLE DESIGN PRESSURE TABLE: 408.3180.XX

MULLION ALLOWABLE DESIGN PRESSURE TABLE (PSF)													
MULL LENGTH - L (IN.)	TRIBUTARY WIDTH - W (IN.)												
	24	30	36	42	48	54	60	66	72	78	84	90	96
24	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
30	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
36	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
42	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
48	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
54	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
60	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
66	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-
72	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-
78	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-
84	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-	-
90	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-	-	-
96	65.0	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-	-	-
102	65.0	65.0	65.0	65.0	65.0	65.0	-	-	-	-	-	-	-
108	65.0	65.0	65.0	65.0	65.0	-	-	-	-	-	-	-	-
114	65.0	65.0	65.0	65.0	64.6	-	-	-	-	-	-	-	-
120	65.0	65.0	65.0	65.0	58.3	-	-	-	-	-	-	-	-
126	65.0	65.0	65.0	60.4	-	-	-	-	-	-	-	-	-
132	65.0	65.0	64.2	55.1	-	-	-	-	-	-	-	-	-
138	65.0	65.0	56.5	-	-	-	-	-	-	-	-	-	-
144	65.0	59.7	49.7	-	-	-	-	-	-	-	-	-	-

- NOTE:
- 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.
 - DEFLECTION HAS BEEN LIMITED TO L/175.
 - TRIBUTARY WIDTH (W) = (A + B)/2
 - SEE SHEET 8 FOR INTEGRAL MULLION DETAILS.
 - 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.
 - REFER TO REYNAERS FABRICATOR CATALOGUE FOR ADDITIONAL DETAILS ON CORRECT ASSEMBLY.



408.3180.XX



TRIBUTARY WIDTH (W) = (A + B)/2



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)
INTEGRAL MULLION DESIGN
PRESSURE TABLE IV

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.

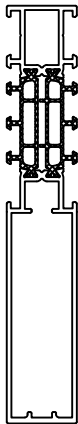


FL #:	FL47832
DATE:	07.28.25
DWG. BY:	DB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	REY001
SHEET:	15

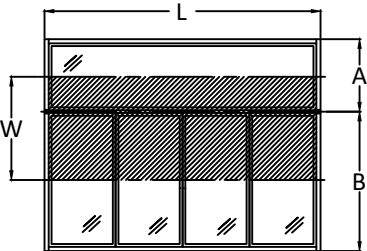
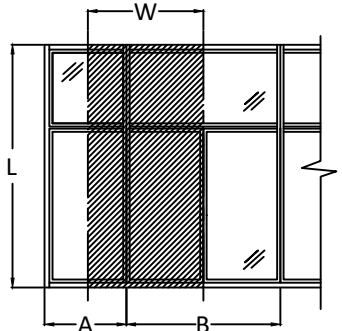
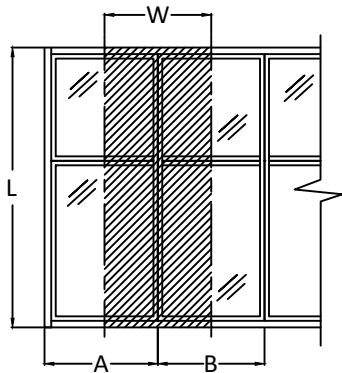
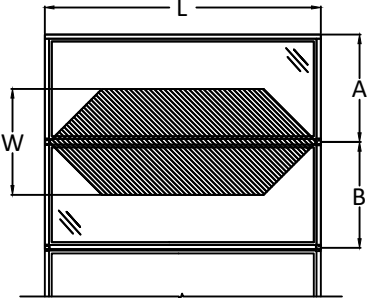
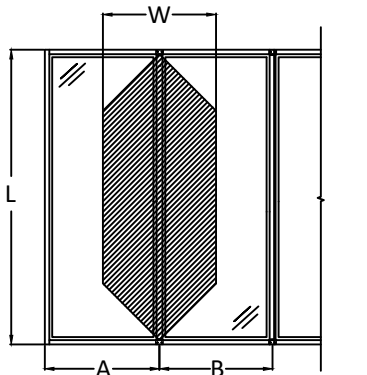
MULLION ALLOWABLE DESIGN PRESSURE TABLE: 408.0173.XX

MULLION ALLOWABLE DESIGN PRESSURE TABLE (PSF)													
MULL LENGTH - L (IN.)	TRIBUTARY WIDTH - W (IN.)												
	24	30	36	42	48	54	60	66	72	78	84	90	96
24	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
30	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
36	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
42	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
48	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
54	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
60	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
66	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	64.7	60.3	56.6
72	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	63.4	58.5	54.3	50.7	47.5
78	65.0	65.0	65.0	65.0	65.0	65.0	64.8	58.9	54.0	49.9	46.3	43.2	40.5
84	65.0	65.0	65.0	65.0	65.0	62.1	55.9	50.8	46.6	43.0	39.9	37.3	34.9
90	65.0	65.0	65.0	65.0	60.9	54.1	48.7	44.3	40.6	37.4	34.8	32.5	30.4
96	65.0	65.0	65.0	61.1	53.5	47.5	42.8	38.9	35.7	32.9	30.6	28.5	26.7
102	65.0	65.0	63.2	54.1	47.4	42.1	37.9	34.5	31.6	29.2	27.1	25.3	23.7
108	65.0	65.0	56.3	48.3	42.3	37.6	33.8	30.7	28.2	26.0	24.1	22.5	21.1
114	65.0	57.6	48.0	41.2	36.0	32.0	28.8	26.2	24.0	22.2	20.6	19.2	18.0
120	61.7	49.4	41.2	35.3	30.9	27.4	24.7	22.5	20.6	19.0	17.6	16.5	-
126	53.3	42.7	35.6	30.5	26.7	23.7	21.3	19.4	17.8	16.4	-	-	-
132	46.4	37.1	30.9	26.5	23.2	20.6	18.6	16.9	-	-	-	-	-
138	40.6	32.5	27.1	23.2	20.3	18.0	16.2	-	-	-	-	-	-
144	35.7	28.6	23.8	20.4	17.9	-	-	-	-	-	-	-	-

- NOTE:
- 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.
 - DEFLECTION HAS BEEN LIMITED TO L/175.
 - TRIBUTARY WIDTH (W) = (A + B)/2
 - SEE SHEET 9 FOR STANDALONE MULLION DETAILS.
 - MULLIONS HAVE BEEN ANALYZED FOR STRUCTURAL PURPOSES ONLY. WATER AND AIR INFILTRATION ARE NOT INCLUDED IN THIS ANALYSIS.
 - 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.
 - REFER TO REYNAERS FABRICATOR CATALOGUE FOR ADDITIONAL DETAILS ON CORRECT ASSEMBLY.



408.0173.XX



TRIBUTARY WIDTH (W) = (A + B)/2



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

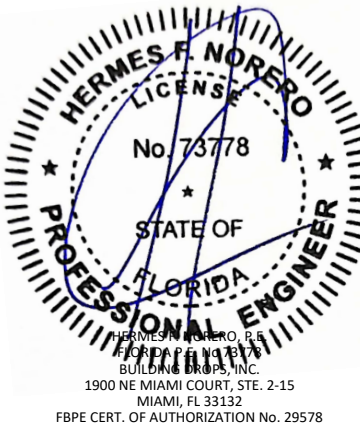
TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)
STANDALONE MULLION DESIGN
PRESSURE TABLE I

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 #:	FL47832
DATE:	07.28.25
DWG. BY:	DB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	REY001
SHEET:	16

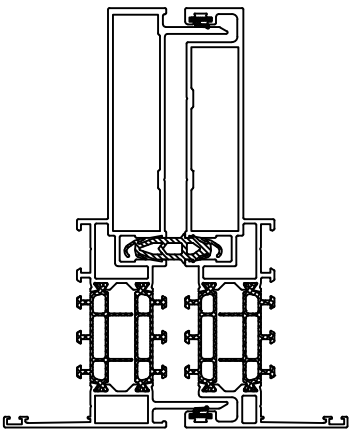
MULLION ALLOWABLE DESIGN PRESSURE TABLE:
408.0174.XX/408.0872.XX + 408.0873.XX

MULLION ALLOWABLE DESIGN PRESSURE TABLE (PSF)													
MULL LENGTH - L (IN.)	TRIBUTARY WIDTH - W (IN.)												
	24	30	36	42	48	54	60	66	72	78	84	90	96
24	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
30	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
36	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
42	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
48	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
54	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
60	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
66	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
72	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
78	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	63.2	59.2
84	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	62.8	58.3	54.5	51.1
90	65.0	65.0	65.0	65.0	65.0	65.0	65.0	64.7	59.3	54.7	50.8	47.4	44.5
96	65.0	65.0	65.0	65.0	65.0	65.0	62.5	56.9	52.1	48.1	44.7	41.7	39.1
102	65.0	65.0	65.0	65.0	65.0	61.6	55.4	50.4	46.2	42.6	39.6	36.9	34.6
108	65.0	65.0	65.0	65.0	61.8	54.9	49.4	44.9	41.2	38.0	35.3	32.9	30.9
114	65.0	65.0	65.0	63.4	55.4	49.3	44.4	40.3	37.0	34.1	31.7	29.6	27.7
120	65.0	65.0	65.0	57.2	50.0	44.5	40.0	36.4	33.4	30.8	28.6	26.7	25.0
126	65.0	65.0	60.5	51.9	45.4	40.3	36.3	33.0	30.3	27.9	25.9	24.2	22.7
132	65.0	65.0	55.1	47.3	41.3	36.8	33.1	30.1	27.6	25.4	23.6	22.1	20.7
138	65.0	59.9	49.9	42.8	37.4	33.3	29.9	27.2	25.0	23.0	21.4	20.0	18.7
144	65.0	52.7	43.9	37.6	32.9	29.3	26.4	24.0	22.0	20.3	18.8	17.6	16.5

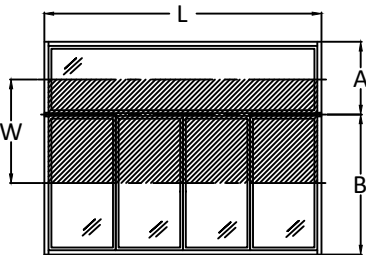
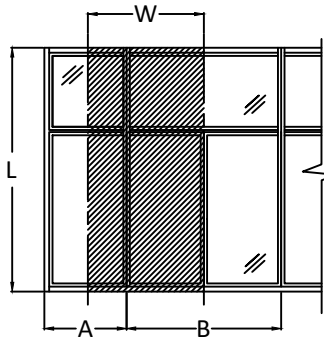
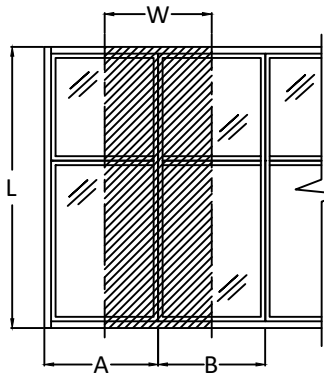
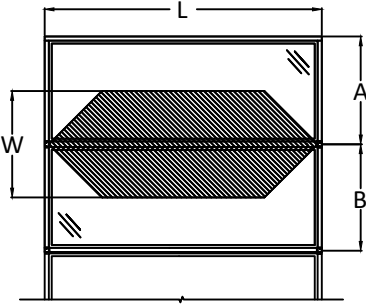
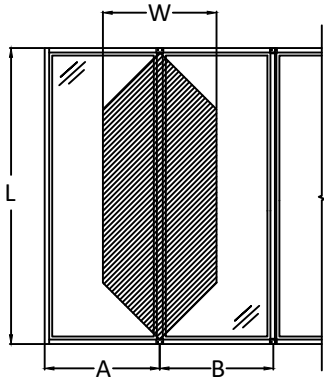
- NOTE:
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 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION ASSEMBLY OR THE INDIVIDUAL UNIT OF INSTALLATION. ADJACENT WINDOWS SHALL BE UNDER SEPARATE FL APPROVAL.
 - DEFLECTION HAS BEEN LIMITED TO L/175.
 - TRIBUTARY WIDTH (W) = (A + B)/2
 - SEE SHEET 9 FOR STANDALONE MULLION DETAILS.
 - MULLIONS HAVE BEEN ANALYZED FOR STRUCTURAL PURPOSES ONLY. WATER AND AIR INFILTRATION ARE NOT INCLUDED IN THIS ANALYSIS.
 - 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.
 - REFER TO REYNAERS FABRICATOR CATALOGUE FOR ADDITIONAL DETAILS ON CORRECT ASSEMBLY.



408.0174.XX



408.0872.XX + 408.0873.XX



TRIBUTARY WIDTH (W) = (A + B)/2



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

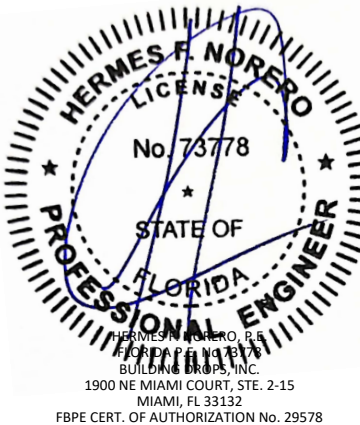
TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)
STANDALONE MULLION DESIGN
PRESSURE TABLE II

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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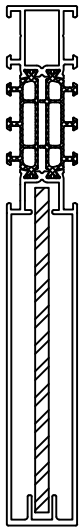


FL #:	FL47832
DATE:	07.28.25
DWG. BY:	DB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	REY001
SHEET:	17

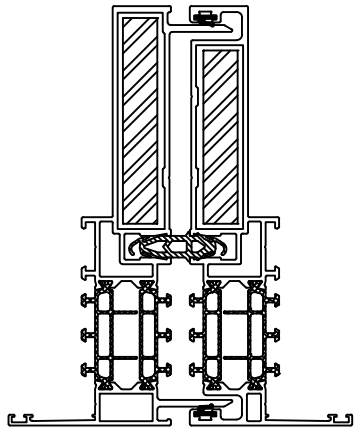
MULLION ALLOWABLE DESIGN PRESSURE TABLE:
408.0174.XX WITH STEEL/408.0872.XX + 408.0873.XX WITH STEEL

MULLION ALLOWABLE DESIGN PRESSURE TABLE (PSF)													
MULL LENGTH - L (IN.)	TRIBUTARY WIDTH - W (IN.)												
	24	30	36	42	48	54	60	66	72	78	84	90	96
24	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
30	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
36	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
42	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
48	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
54	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
60	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
66	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
72	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
78	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
84	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
90	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
96	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
102	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	61.7	57.9
108	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	63.5	59.0	55.1	51.6
114	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	61.8	57.0	52.9	49.4	46.3
120	65.0	65.0	65.0	65.0	65.0	65.0	65.0	60.8	55.8	51.5	47.8	44.6	41.8
126	65.0	65.0	65.0	65.0	65.0	65.0	60.7	55.2	50.6	46.7	43.3	40.5	37.9
132	65.0	65.0	65.0	65.0	65.0	61.4	55.3	50.3	46.1	42.5	39.5	36.9	34.6
138	65.0	65.0	65.0	65.0	62.6	55.6	50.0	45.5	41.7	38.5	35.7	33.4	31.3
144	65.0	65.0	65.0	62.9	55.1	48.9	44.0	40.0	36.7	33.9	31.5	29.4	27.5

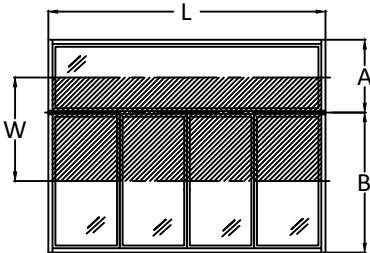
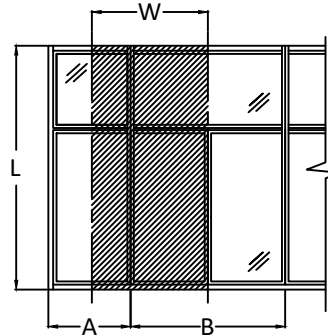
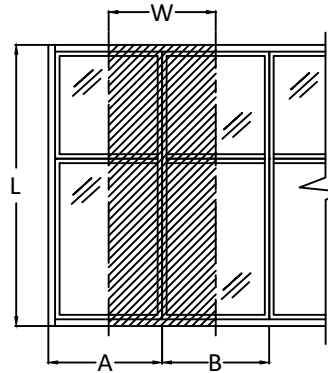
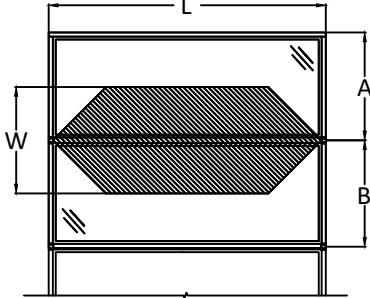
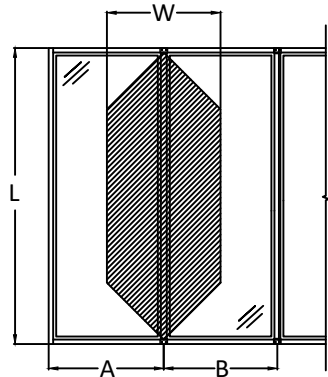
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408.0174.XX WITH STEEL



408.0872.XX + 408.0873.XX
WITH STEEL



TRIBUTARY WIDTH (W) = (A + B)/2



2115 REXFORD ROAD, SUITE 215
CHARLOTTE, NC 28211
EMAIL: INFO.N-A@REYNAERS.COM

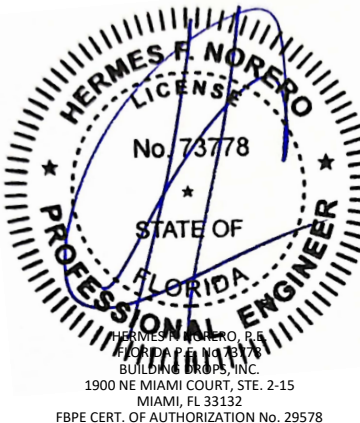
TITLE:
MASTERLINE 8 FIXED WINDOW
(WZ3) (IMPACT)
STANDALONE MULLION DESIGN
PRESSURE TABLE III

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

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FL #: **FL47832**

DATE: **07.28.25**

DWG. BY: DB	CHK. BY: HFN
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SCALE: **NTS**

DWG. #: **REY001**

SHEET: **18** OF 18