REILLY ARCHITECTURAL

W75 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:
   - ASTM E1886-19
   - ASTM E1996-20
   - TAS 201-94
   - TAS 202-94
   - TAS 203-94
   - AAMA/WDMA/CSA 101/I.S.2/A440-11/17

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 ±1/4 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: BRONZE, GALVANIZED STEEL, COR-TEN STEEL, OR STAINLESS STEEL.

9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.

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DESIGN PRESSURE RATING (PSF)			
WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE SHEETS 3-5		SEE SHEETS 3-5	LARGE & SMALL MISSILE IMPACT

REILLY ARCHITECTURAL
901 Burman Blvd, Building 701 Calverton, NY 11933
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TITLE: W75 FIXED WINDOW (WZ3) (IMPACT)

GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
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MIAMI, FL 33132
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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: 2025.08.21 12:08:48 -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 COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL47693

DATE: 05.20.2025

DWG. BY: JR | CHK. BY: HFN

SCALE: NTS

DWG. #: RWD017

SHEET: 1 OF 15

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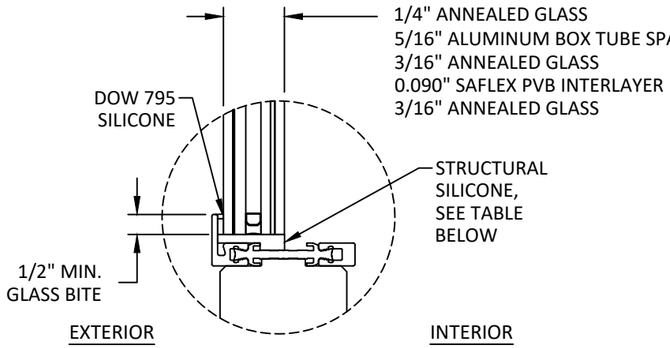
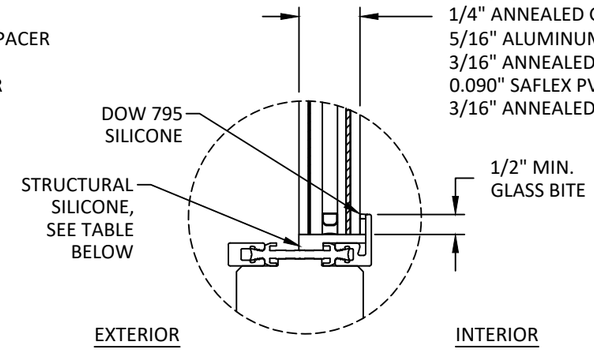


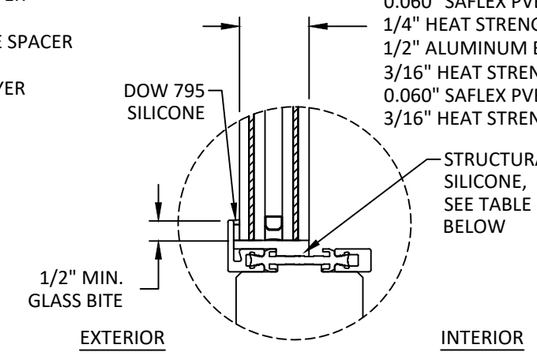
GLAZING DETAIL 1

INSIDE GLAZED



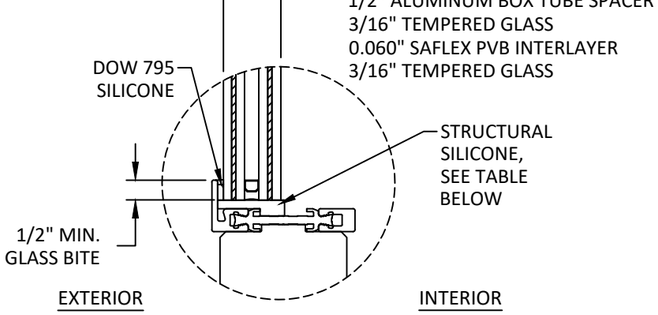
GLAZING DETAIL 2

OUTSIDE GLAZED



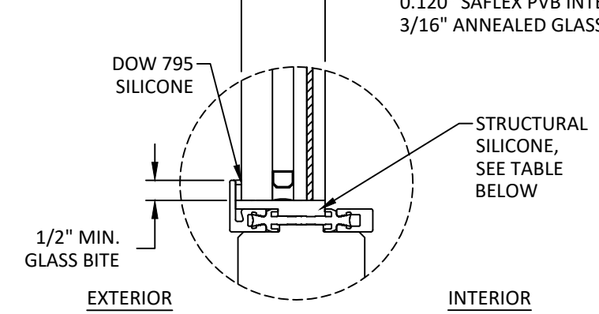
GLAZING DETAIL 3

INSIDE GLAZED



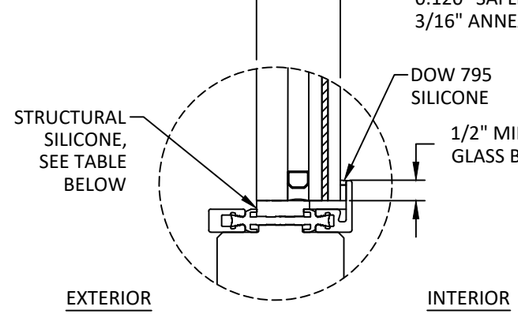
GLAZING DETAIL 4

INSIDE GLAZED



GLAZING DETAIL 5

INSIDE GLAZED



GLAZING DETAIL 6

OUTSIDE GLAZED

QUALIFIED SILICONE OPTIONS
DOW 995
DOW 121
SIKA SG-20

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.
5. PRODUCT TESTED WITHOUT GLAZING BEAD.

REILLY ARCHITECTURAL
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TITLE: W75 FIXED WINDOW (WZ3) (IMPACT) — GLAZING DETAILS

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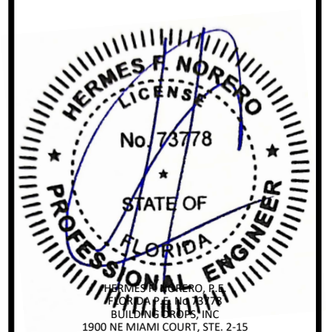

HERMES F. NORIEGA, P.E.
FLORIDA LICENSE #73778
BUILDING DROPS, INC
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL47693

DATE: 05.20.2025

DWG. BY: JR | CHK. BY: HFN

SCALE: NTS

DWG. #: RWD017

SHEET: 2 OF 15

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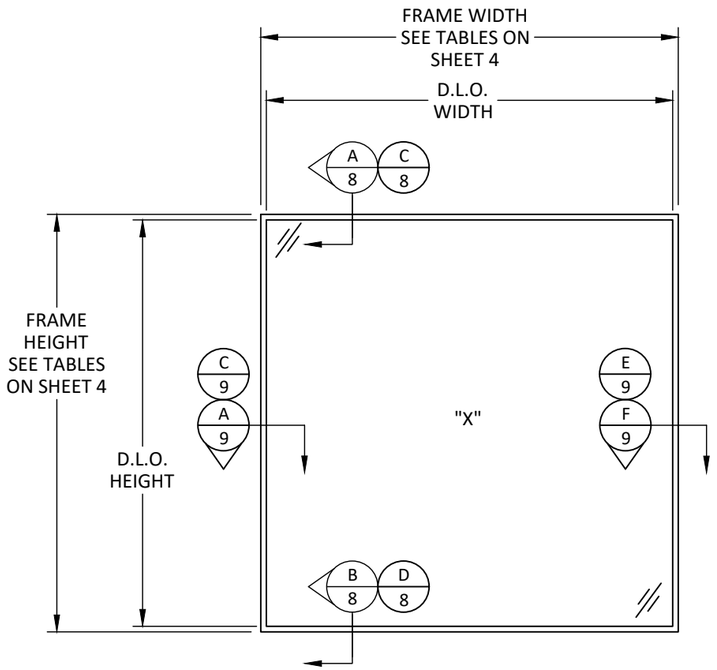
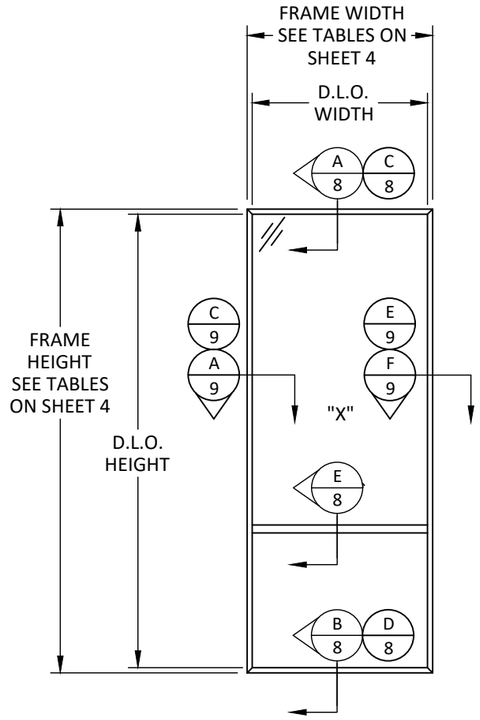


ELEVATION
W75 FIXED WINDOW

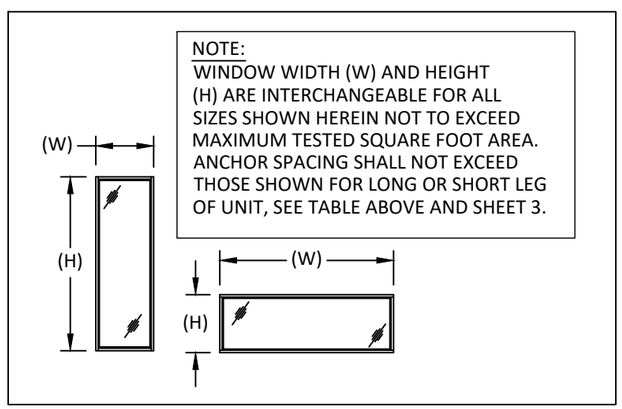
W75 FIXED WINDOW SIZE NOTES:
D.L.O. WIDTH = FRAME WIDTH - 2.13"
D.L.O. HEIGHT = FRAME HEIGHT - 2.13"



ELEVATION
W75 FIXED WINDOW WITH MIDRAIL

W75 SIDELITE WITH MIDRAIL SIZE NOTES:
D.L.O. WIDTH = FRAME WIDTH - 2.13"
D.L.O. HEIGHT = FRAME HEIGHT - 2.13"

NOTE: SEE DESIGN PRESSURE TABLES FOR THESE UNITS ON SHEET 4.



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 TABLE ABOVE AND SHEET 3.

REILLY
ARCHITECTURAL
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TITLE: W75 FIXED WINDOW (WZ3) (IMPACT)
ELEVATIONS

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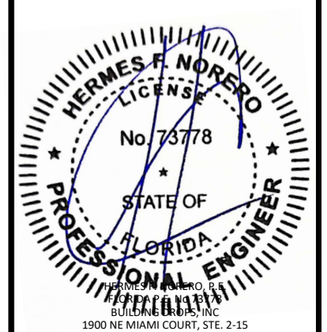

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DESIGN PRESSURE CHART (PSF) (+/-)				
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	G1 / G2	G3 / G4	G5 / G6
30	84	70.00	60.00	60.00
36		70.00	60.00	60.00
39.37		70.00	60.00	60.00
42		70.00	56.24	60.00
48		70.00	-	60.00
54		70.00	-	60.00
60		70.00	-	60.00
66		70.00	-	60.00
72		70.00	-	60.00
86.417		70.00	-	58.33
90		-	-	58.33
98		-	-	58.33
30	86.417	70.00	60.00	60.00
36		70.00	60.00	60.00
39.37		70.00	60.00	60.00
42		70.00	56.24	60.00
48		70.00	-	60.00
54		70.00	-	60.00
60		70.00	-	60.00
66		70.00	-	60.00
72		70.00	-	60.00
86.417		70.00	-	56.70
90		-	-	56.70
98		-	-	56.70
30	96	70.00	60.00	60.00
36		70.00	60.00	60.00
39.37		70.00	60.00	60.00
42		70.00	-	60.00
48		70.00	-	60.00
54		70.00	-	60.00
60		70.00	-	60.00
66		69.83	-	60.00
72		67.21	-	60.00
86.417		-	-	56.70
90		-	-	54.44
98		-	-	51.04
30	102	70.00	60.00	60.00
36		70.00	60.00	60.00
39.37		70.00	-	60.00
42		70.00	-	60.00
48		70.00	-	60.00
54		70.00	-	60.00
60		70.00	-	60.00
66		67.74	-	60.00
72		64.92	-	60.00
86.417		-	-	56.70
90		-	-	54.44
98		-	-	50.00

W75 FIXED WINDOW DESIGN PRESSURE TABLE

DESIGN PRESSURE CHART (PSF) (+/-)				
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	G1 / G2	G3 / G4	G5 / G6
30	108	70.00	60.00	60.00
36		70.00	-	60.00
39.37		70.00	-	60.00
42		70.00	-	60.00
48		70.00	-	60.00
54		70.00	-	60.00
60		69.80	-	60.00
66		65.99	-	60.00
72		-	-	60.00
86.417		-	-	56.70
90		-	-	54.44
98		-	-	50.00
30	114	70.00	60.00	60.00
36		70.00	-	60.00
39.37		70.00	-	60.00
42		70.00	-	60.00
48		70.00	-	60.00
54		70.00	-	60.00
60		68.41	-	60.00
66		-	-	60.00
72		-	-	60.00
86.417		-	-	56.70
90		-	-	54.44
98		-	-	50.00
30	120	70.00	60.00	60.00
36		70.00	-	60.00
39.37		70.00	-	60.00
42		70.00	-	60.00
48		70.00	-	60.00
54		70.00	-	60.00
60		67.21	-	60.00
66		-	-	60.00
72		-	-	60.00
86.417		-	-	56.70
90		-	-	54.44
98		-	-	50.00
30	126	70.00	-	60.00
36		70.00	-	60.00
39.37		70.00	-	60.00
42		70.00	-	60.00
48		70.00	-	60.00
54		70.00	-	60.00
60		-	-	60.00
66		-	-	60.00
72		-	-	60.00
86.417		-	-	56.52
90		-	-	54.44
98		-	-	50.00

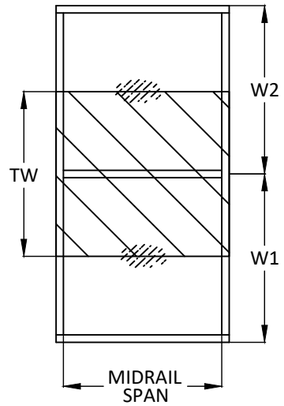
DESIGN PRESSURE CHART (PSF) (+/-)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	G1 / G2	G5 / G6
30	132	70.00	60.00
36		70.00	60.00
39.37		70.00	60.00
42		70.00	60.00
48		70.00	60.00
54		70.00	60.00
60		-	60.00
66		-	60.00
72		-	60.00
86.417		-	55.21
90		-	54.10
98		-	50.00
30	138	70.00	60.00
36		70.00	60.00
39.37		70.00	60.00
42		70.00	60.00
48		70.00	60.00
54		69.64	60.00
60		-	60.00
66		-	60.00
72		-	60.00
86.417		-	54.06
90		-	52.91
98		-	50.00
30	142	70.00	60.00
36		70.00	60.00
39.37		70.00	60.00
42		70.00	60.00
48		70.00	60.00
54		-	60.00
60		-	60.00
66		-	60.00
72		-	59.71
86.417		-	53.38
90		-	52.20
98		-	50.00
30	150	70.00	60.00
36		70.00	60.00
39.37		70.00	60.00
42		70.00	60.00
48		70.00	60.00
54		-	60.00
60		-	60.00
66		-	60.00
72		-	58.65
86.417		-	52.16
90		-	50.94

DESIGN PRESSURE CHART (PSF) (+/-)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	G1 / G2	G5 / G6
30	156	70.00	60.00
36		70.00	60.00
39.37		70.00	60.00
42		70.00	60.00
48		-	60.00
54		-	60.00
60		-	60.00
66		-	60.00
72		-	57.94
86.417		-	51.36
30	162	70.00	60.00
36		70.00	60.00
39.37		70.00	60.00
42		70.00	60.00
48		-	60.00
54		-	60.00
60		-	60.00
66		-	60.00
72		-	57.31
30	168	70.00	60.00
36		70.00	60.00
39.37		70.00	60.00
42		70.00	60.00
48		-	60.00
54		-	60.00
60		-	60.00
66		-	60.00
72		-	56.73

DESIGN PRESSURE CHART (PSF)			
TRIBUTARY WIDTH (IN.)	MIDRAIL SPAN (IN.)	EXT. (+)	INT. (-)
30	18	60.00	60.00
36		60.00	60.00
42		60.00	60.00
47		60.00	60.00
54		60.00	60.00
60		60.00	60.00
66		60.00	60.00
72		60.00	60.00
78		60.00	60.00
84		60.00	60.00
90		60.00	60.00
96		60.00	60.00
30	21	60.00	60.00
36		60.00	60.00
42		60.00	60.00
47		60.00	60.00
54		60.00	60.00
60		60.00	60.00
66		60.00	60.00
72		60.00	60.00
78		60.00	60.00
30	24	60.00	60.00
36		60.00	60.00
42		60.00	60.00
47		60.00	60.00
54		60.00	60.00
60		60.00	60.00
66		60.00	60.00
72		60.00	60.00
30	27	60.00	60.00
36		60.00	60.00
42		60.00	60.00
47		60.00	60.00
54		60.00	60.00
60		60.00	60.00
30	30	60.00	60.00
36		60.00	60.00
42		60.00	60.00
47		60.00	60.00
54		60.00	60.00
30	33	60.00	60.00
36		60.00	60.00
42		60.00	60.00
47		60.00	60.00

MIDRAIL DESIGN PRESSURE TABLE

DESIGN PRESSURE CHART (PSF)			
TRIBUTARY WIDTH (IN.)	MIDRAIL SPAN (IN.)	EXT. (+)	INT. (-)
30	37	60.00	60.00
36		60.00	60.00
42		60.00	60.00
47		60.00	60.00
30	39	52.03	52.03
36		48.97	48.97
42		48.61	48.61
30	43	37.03	37.03
36		34.01	34.01
30	45	31.71	31.71
36		28.85	28.85
30	49	23.83	23.83
30	51	20.87	20.87



TRIBUTARY WIDTH (TW) = $\frac{W1 + W2}{2}$

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TITLE: W75 FIXED WINDOW (WZ3) (IMPACT)
DESIGN PRESSURE TABLES

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MIAMI, FL 33132
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FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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

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 #: FL47693

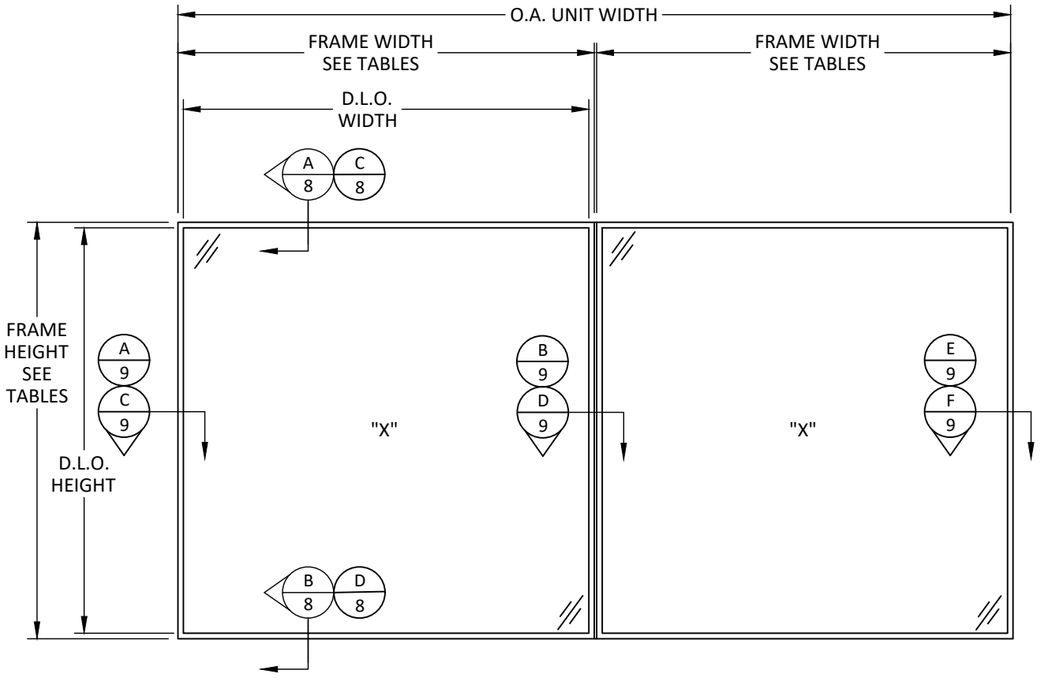
DATE: 05.20.2025

DWG. BY: JR | CHK. BY: HFN

SCALE: NTS

DWG. #: RWD017

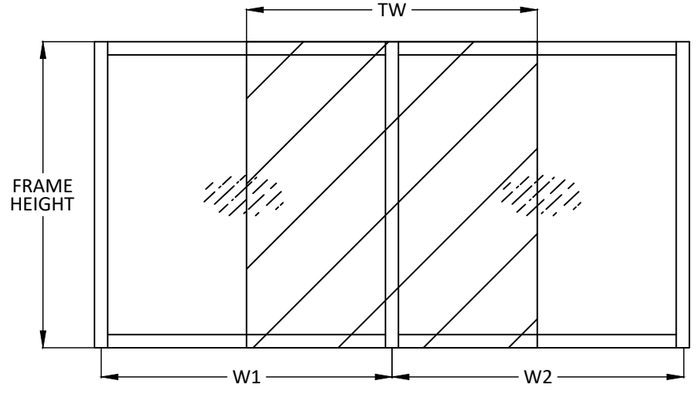
SHEET: 4 OF 15



ELEVATION

W75 MULLED FIXED WINDOW

NOTE: THE LESSER OF THIS DESIGN PRESSURE TABLE AND THE TABLE ON SHEET 4 SHALL APPLY TO THE MULLED CONFIGURATION.



$$\text{TRIBUTARY WIDTH (TW)} = \frac{W1 + W2}{2}$$

DESIGN PRESSURE CHART (PSF)			
TRIBUTARY WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
32	72	70.00	70.00
38		70.00	70.00
44		70.00	70.00
50		70.00	70.00
56		70.00	70.00
62		70.00	70.00
68		70.00	70.00
74		70.00	70.00
80		70.00	70.00
86.805		70.00	70.00
92		70.00	70.00
98		70.00	70.00
104		70.00	70.00
32	78	70.00	70.00
38		70.00	70.00
44		70.00	70.00
50		70.00	70.00
56		70.00	70.00
62		70.00	70.00
68		70.00	70.00
74		70.00	70.00
80		70.00	70.00
86.805		70.00	70.00
92		70.00	70.00
32	84	70.00	70.00
38		70.00	70.00
44		70.00	70.00
50		70.00	70.00
56		70.00	70.00
62		70.00	70.00
68		70.00	70.00
74		70.00	70.00
80		70.00	70.00
86.805		70.00	70.00
32	86.417	70.00	70.00
38		70.00	70.00
44		70.00	70.00
50		70.00	70.00
56		70.00	70.00
62		70.00	70.00
68		70.00	70.00
74		70.00	70.00
80		70.00	70.00
86.805		70.00	70.00

DESIGN PRESSURE CHART (PSF)			
TRIBUTARY WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
32	90	70.00	70.00
38		70.00	70.00
44		70.00	70.00
50		70.00	70.00
56		70.00	70.00
62		67.48	67.48
68		64.23	64.23
74		61.93	61.93
80		60.43	60.43
32	96	70.00	70.00
38		70.00	70.00
44		69.93	69.93
50		63.15	63.15
56		58.06	58.06
62		54.22	54.22
68		51.31	51.31
74		49.15	49.15
32	102	70.00	70.00
38		65.55	65.55
44		57.73	57.73
50		51.96	51.96
56		47.61	47.61
62		44.28	44.28
68		41.71	41.71
32	108	64.22	64.22
38		54.88	54.88
44		48.23	48.23
50		43.30	43.30
56		39.56	39.56
62		36.66	36.66
68		34.41	34.41
32	114	54.40	54.40
38		46.42	46.42
44		40.72	40.72
50		36.48	36.48
56		33.25	33.25
62		30.73	30.73

DESIGN PRESSURE CHART (PSF)			
TRIBUTARY WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
32	120	46.50	46.50
38		39.62	39.62
44		34.70	34.70
50		31.04	31.04
56		28.22	28.22
62		26.03	26.03
32	126	40.06	40.06
38		34.10	34.10
44		29.82	29.82
50		26.63	26.63
56		24.18	24.18
32	132	34.76	34.76
38		29.56	29.56
44		25.82	25.82
50		23.03	23.03
56		20.87	20.87
32	138	30.36	30.36
38		25.79	25.79
44		22.51	22.51
50		20.05	20.05
32	144	26.67	26.67
38		22.65	22.65
44		19.75	19.75
50		17.57	17.57

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TITLE: W75 FIXED WINDOW (WZ3) (IMPACT)
ELEVATION & DESIGN PRESSURE TABLES

PREPARED BY: BUILDING DROPS, INC.
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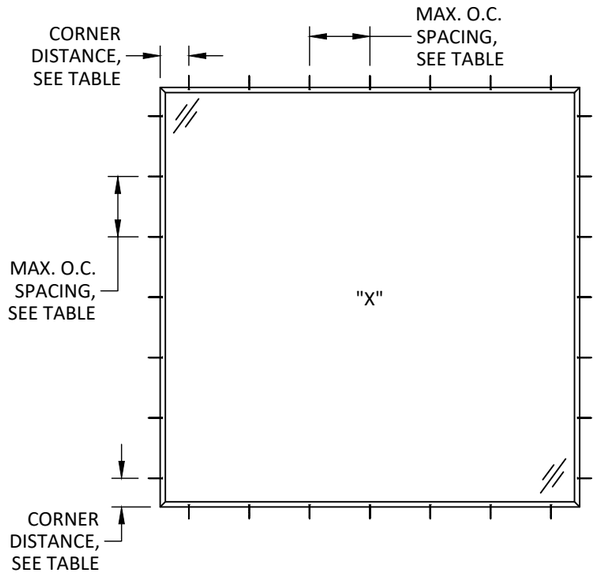

ANCHOR LAYOUT

W75 FIXED WINDOW

NOTE: 1/2" SHIM SPACE QUALIFIES 1/4" SHIM SPACE.

W75 FIXED WINDOW ANCHOR SPACING TABLE - ALTERNATE SILL INSTALLATION OPTIONS

INSTALLATION METHOD	DP (PSF)	ANCHOR	SHIM SPACE	SILL	CORNER DISTANCE
ALUMINUM ANGLE: 1/2" X 1-4/5"	+/- 40	#10	1/2"	29"	7"
			1/4"	24"	
	+/- 70	#12	1/4"	34-1/2"	
			1/2"	18"	
STEEL ANGLE: 1/2" X 1-4/5"	+/- 40	#10	1/2"	29"	7"
	+/- 70	#12	1/4"	34-1/2"	
			1/2"	24"	
ALUMINUM / STEEL ANGLE: 3/4" X 3/4"	+/- 40	#10	1/2"	16"	6"
	+/- 70	#12	1/2"	16"	

W75 FIXED WINDOW ANCHOR SPACING TABLE

INSTALLATION METHOD	DP (PSF)	ANCHOR	SHIM SPACE	HEAD	JAMBS	SILL	CORNER DISTANCE
THROUGH FRAME	+/- 40	#10	1/2"	12-1/4"	12-1/4"	12-1/4"	6"
	+/- 70	#12	1/2"	12-1/4"	12-1/4"	12-1/4"	
ALUMINUM FLAT CLIP	+/- 40	#10	1/4"	29"	29"	29"	6"
			1/2"	24-3/4"	26-3/4"	24-3/4"	
	+/- 70	#12	1/4"	29"	29"	29"	
			1/2"	18-1/2"	20"	18-1/2"	
STEEL FLAT CLIP	+/- 40	#10	1/2"	29"	29"	29"	6"
	+/- 70	#12	1/4"	29"	29"	29"	
			1/2"	24-1/2"	26-1/2"	24-1/2"	
ALUMINUM/ STEEL BENT EXTERIOR CLIP	+/- 40	#10	1/2"	12-1/4"	12-1/4"	12-1/4"	6"
	+/- 70	#12	1/2"	12-1/4"	12-1/4"	12-1/4"	
ALUMINUM BENT INTERIOR CLIP	+/- 40	#10	1/4"	29"	29"	29"	HEAD/SILL: 7" JAMBS: 4.25"
			1/2"	24"	26"	24"	
	+/- 70	#12	1/4"	34-1/2"	29"	34-1/2"	
			1/2"	18"	19-1/2"	18"	
STEEL BENT INTERIOR CLIP	+/- 40	#10	1/2"	29"	29"	29"	HEAD/SILL: 7" JAMBS: 4.25"
	+/- 70	#12	1/4"	34-1/2"	29"	34-1/2"	
			1/2"	24"	26"	24"	

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TITLE: W75 FIXED WINDOW (WZ3) (IMPACT)
ANCHOR LAYOUT

PREPARED BY: BUILDING DROPS, INC.
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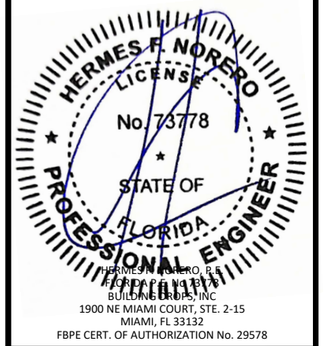

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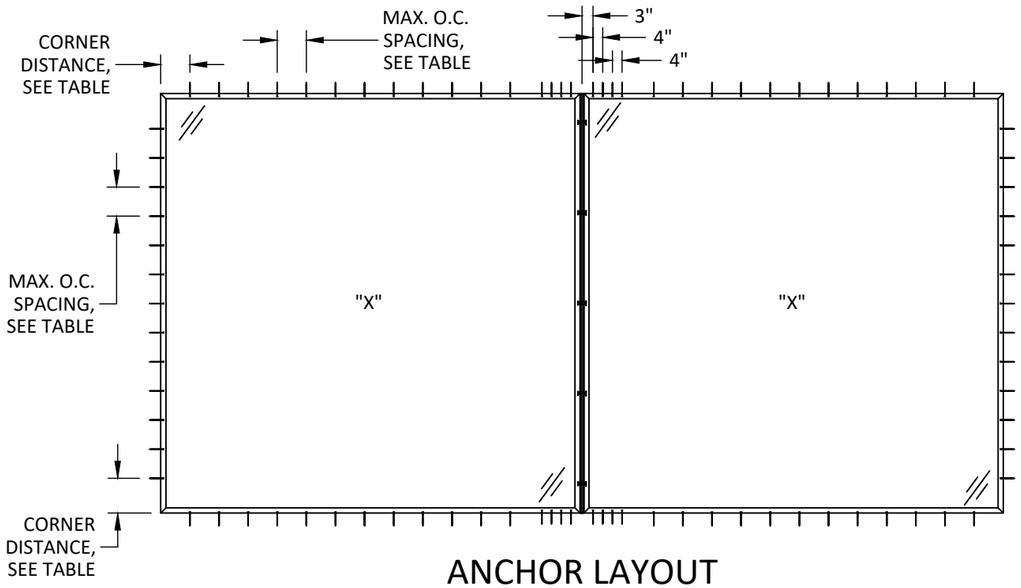

ANCHOR LAYOUT

W75 MULLED FIXED WINDOW

NOTE: 1/2" SHIM SPACE QUALIFIES 1/4" SHIM SPACE.

W75 MULLED FIXED WINDOW ANCHOR SPACING TABLE - ALTERNATE SILL INSTALLATION OPTIONS

INSTALLATION METHOD	DP (PSF)	ANCHOR	SHIM SPACE	SILL	TOTAL QTY. OF ANCHORS PER MULL ENDS	CORNER DISTANCE
ALUMINUM ANGLE: 1/2" X 1-4/5"	+/- 40	#10	1/4"	34-1/2"	2	7"
			1/2"	26"	4	
	+/- 70	#12	1/4"	34-1/2"	2	
			1/2"	18"	6	
STEEL ANGLE: 1/2" X 1-4/5"	+/- 40	#10	1/4"	24-1/4"	4	7"
			1/2"	24-3/4"	4	
	+/- 70	#12	1/4"	34-1/2"	4	
			1/2"	24-1/4"	4	
ALUMINUM / STEEL ANGLE: 3/4" X 3/4"	+/- 40	#10	1/2"	16"	6	6"
	+/- 70	#12	1/2"	16"	6	

W75 MULLED FIXED WINDOW ANCHOR SPACING TABLE

INSTALLATION METHOD	DP (PSF)	ANCHOR	SHIM SPACE	HEAD	JAMBS	SILL	TOTAL QTY. OF ANCHORS PER MULL ENDS	CORNER DISTANCE
THROUGH FRAME	+/- 40	#10	1/4"	18-3/4"	18-3/4"	18-3/4"	4	6"
			1/2"	10-1/2"	10-1/2"	10-1/2"	8	
	+/- 70	#12	1/4"	15"	12-1/4"	15"	6	
			1/2"	7-1/2"	8-1/4"	7-1/2"	10	
ALUMINUM FLAT CLIP	+/- 40	#10	1/4"	29"	29"	29"	2	6"
			1/2"	25"	26-3/4"	25"	4	
	+/- 70	#12	1/4"	29"	29"	29"	4	
			1/2"	18-1/2"	20"	18-1/2"	6	
STEEL FLAT CLIP	+/- 40	#10	1/4"	29"	29"	29"	4	6"
			1/2"	25"	26-3/4"	25"	4	
	+/- 70	#12	1/4"	29"	29"	29"	4	
			1/2"	25"	26-3/4"	25"	4	
ALUMINUM BENT EXTERIOR CLIP	+/- 40	#10	1/2"	18-3/4"	18-3/4"	18-3/4"	2	6"
	+/- 70	#12	1/2"	18-3/4"	18-3/4"	18-3/4"	6	
STEEL BENT EXTERIOR CLIP	+/- 40	#10	1/2"	18-3/4"	18-3/4"	18-3/4"	2	6"
	+/- 70	#12	1/2"	18-3/4"	18-3/4"	18-3/4"	4	
ALUMINUM BENT INTERIOR CLIP	+/- 40	#10	1/4"	34-1/2"	29"	34-1/2"	2	HEAD/SILL: 7" JAMBS: 4.25"
			1/2"	26"	24-1/4"	26"	4	
	+/- 70	#12	1/4"	34-1/2"	29"	34-1/2"	2	
			1/2"	18"	19-1/2"	18"	6	
STEEL BENT INTERIOR CLIP	+/- 40	#10	1/4"	24-1/4"	26"	24-1/4"	4	HEAD/SILL: 7" JAMBS: 4.25"
			1/2"	24-3/4"	26-3/4"	24-3/4"	4	
	+/- 70	#12	1/4"	34-1/2"	29"	34-1/2"	4	
			1/2"	24-1/4"	26"	24-1/4"	4	

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TITLE: W75 FIXED WINDOW (WZ3) (IMPACT)
ANCHOR LAYOUT

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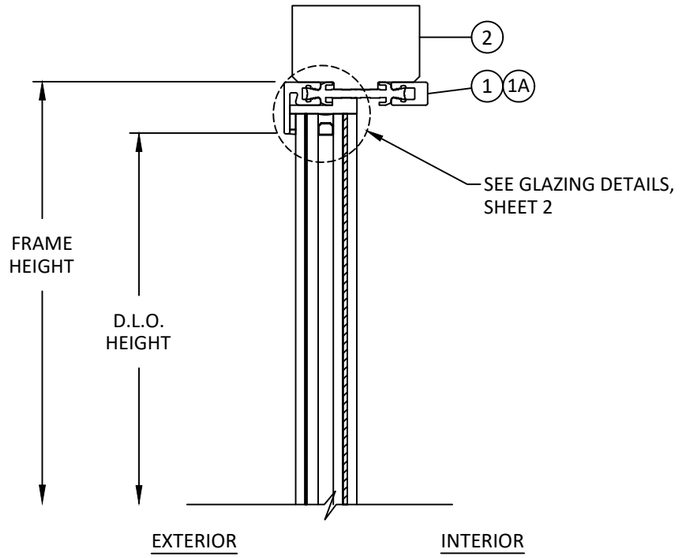
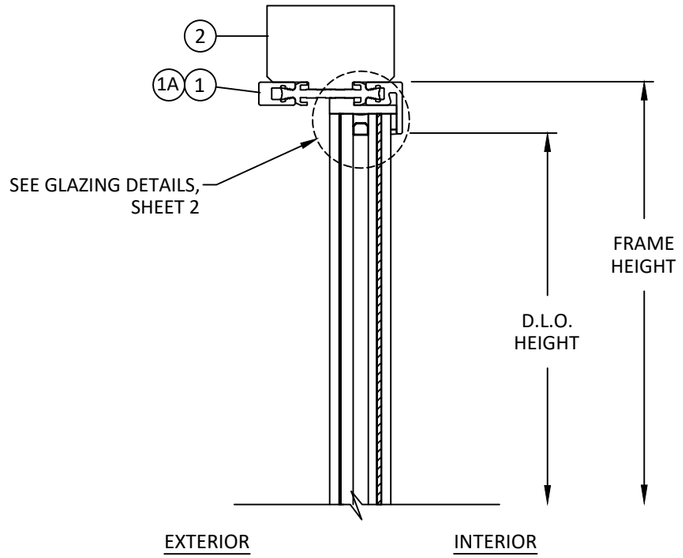
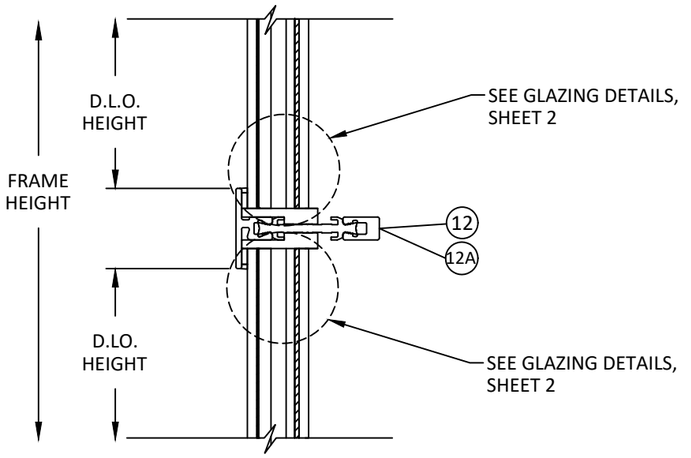


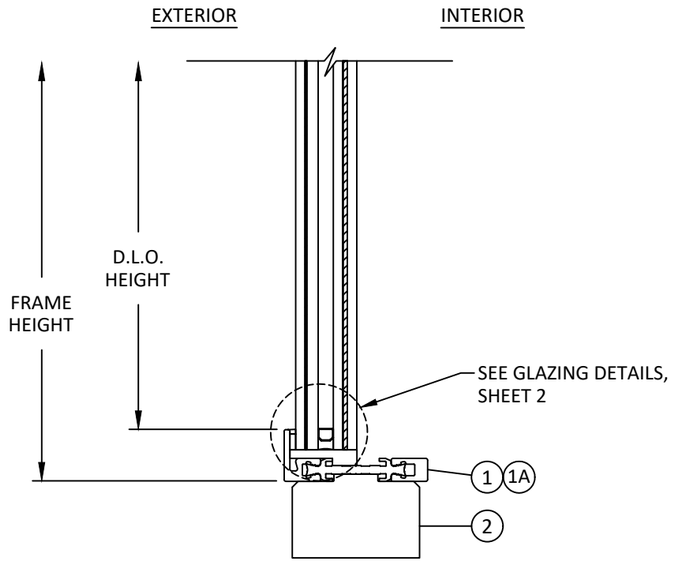
A/8 VERTICAL SECTION
INSIDE GLAZED - HEAD



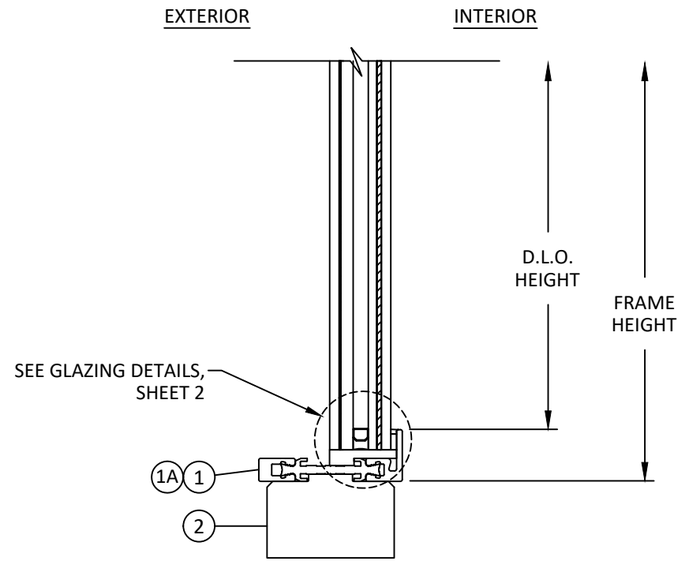
C/8 VERTICAL SECTION
OUTSIDE GLAZED - HEAD



E/8 VERTICAL SECTION
MIDRAIL



B/8 VERTICAL SECTION
INSIDE GLAZED - SILL



D/8 VERTICAL SECTION
OUTSIDE GLAZED - SILL

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TITLE: W75 FIXED WINDOW (WZ3) (IMPACT)
VERTICAL SECTIONS

PREPARED BY:
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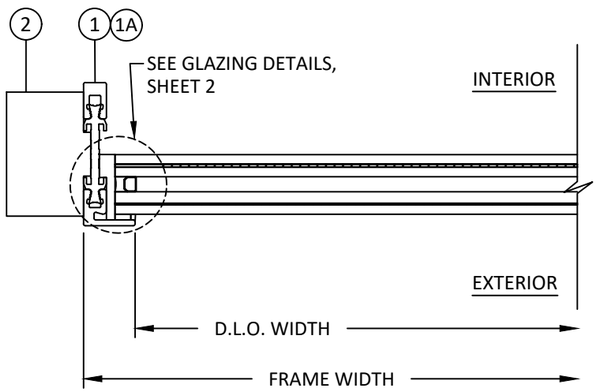
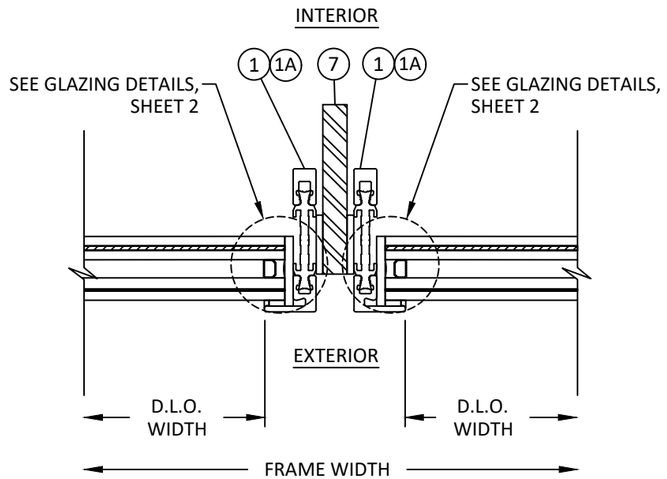
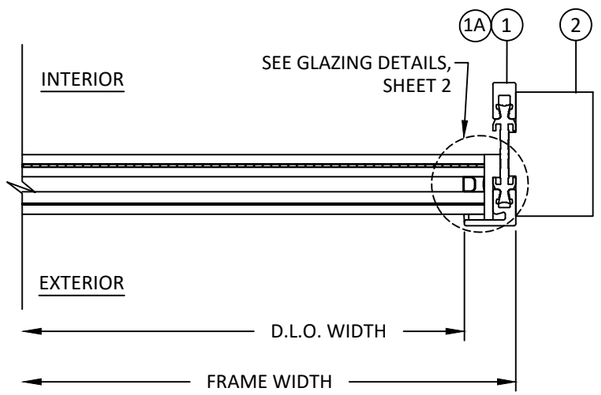


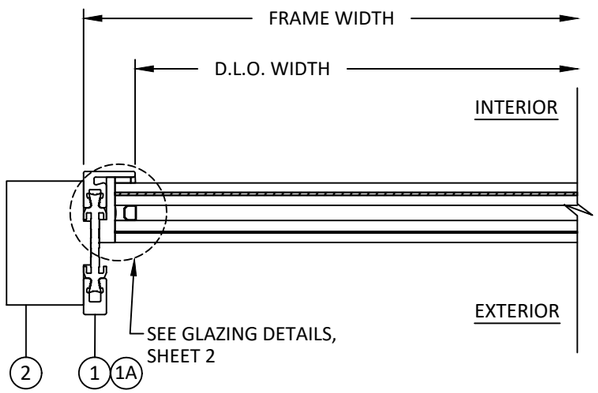
A/9 HORIZONTAL SECTION
INSIDE GLAZED - JAMB



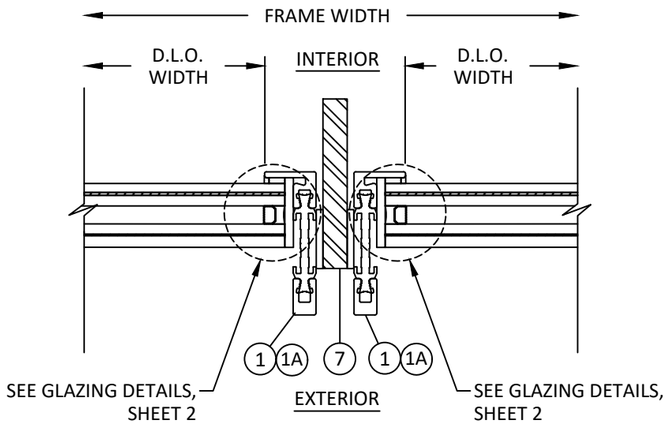
B/9 HORIZONTAL SECTION
INSIDE GLAZED - MULLION



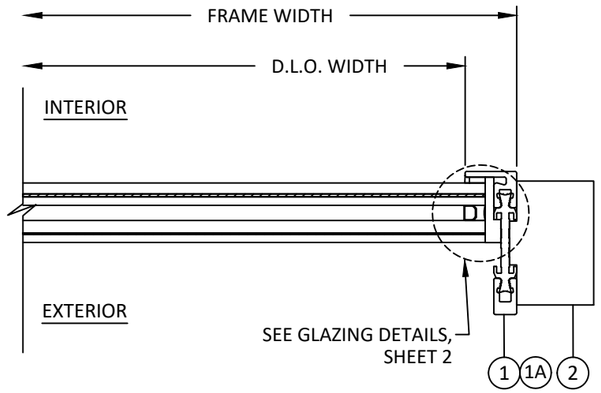
E/9 HORIZONTAL SECTION
INSIDE GLAZED - JAMB



C/9 HORIZONTAL SECTION
OUTSIDE GLAZED - JAMB



D/9 HORIZONTAL SECTION
OUTSIDE GLAZED - MULLION



F/9 HORIZONTAL SECTION
OUTSIDE GLAZED - JAMB

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TITLE: W75 FIXED WINDOW (WZ3) (IMPACT)
HORIZONTAL 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

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MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL47693

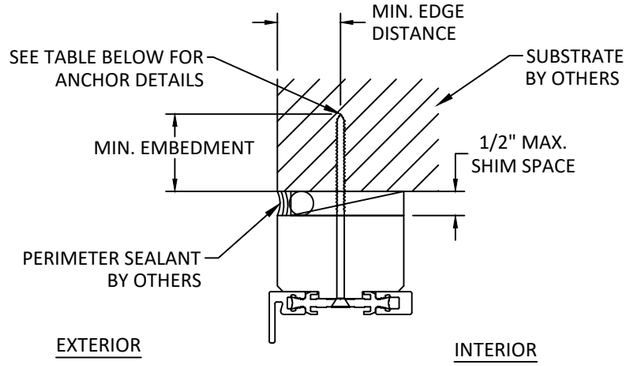
DATE: 05.20.2025

DWG. BY:	CHK. BY:
JR	HFN

SCALE: NTS

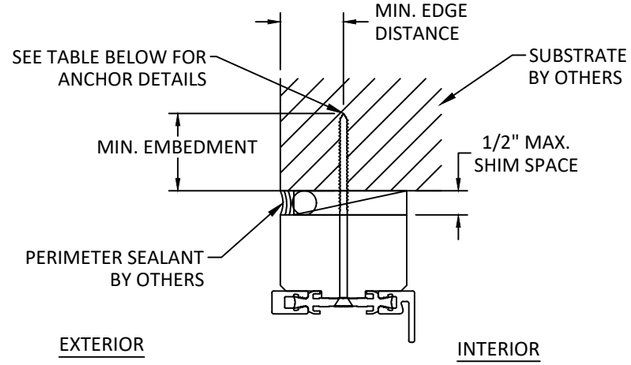
DWG. #: RWD017

SHEET: 9 OF 15



A/10 VERTICAL SECTION

HEAD - THROUGH FRAME
JAMB AND SILL SIMILAR
INSIDE GLAZED



B/10 VERTICAL SECTION

HEAD - THROUGH FRAME
JAMB AND SILL SIMILAR
OUTSIDE GLAZED

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN FOR THROUGH FRAME INSTALLATION AND TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN FOR CLIP AND ANGLE INSTALLATION.
2. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 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.
3. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE 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.
6. 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.
7. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE

METHOD	QUANTITY PER LOCATION	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	1	WOOD: MIN. SG = 0.55	#10 / #12 WOOD SCREW	1.50"	0.75"
		METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#10 / #12 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"
		CONCRETE: f'c=3000PSI	3/16" / 1/4" ITW TAPCON	1.25"	2.50"
		MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" / 1/4" ITW TAPCON	1.00"	4.00"
ALUMINUM / STEEL FLAT CLIP, ALUMINUM / STEEL BENT EXTERIOR CLIP, ALUMINUM / STEEL BENT INTERIOR CLIP, ALUMINUM / STEEL ANGLE	2	WOOD: MIN. SG = 0.55	#10 / #12 WOOD SCREW	1.50"	0.75"
		METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#10 / #12 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"
		CONCRETE: f'c=3000PSI	3/16" / 1/4" ITW TAPCON	1.25"	2.50"
		MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" / 1/4" ITW TAPCON	1.00"	4.00"

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ANCHOR DETAILS, SCHEDULE & INSTALLATION NOTES

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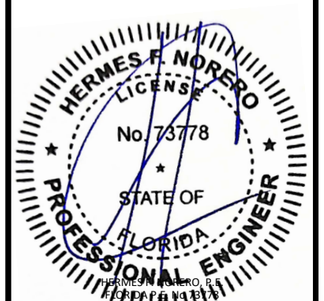

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DWG. BY: JR | CHK. BY: HFN

SCALE: NTS

DWG. #: RWD017

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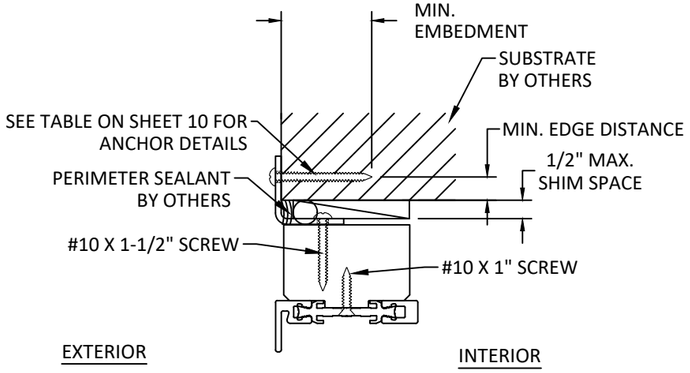
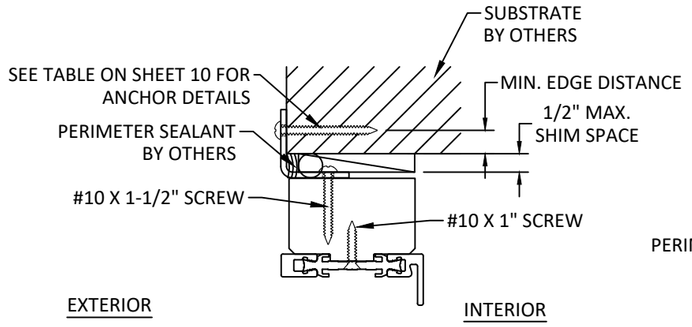


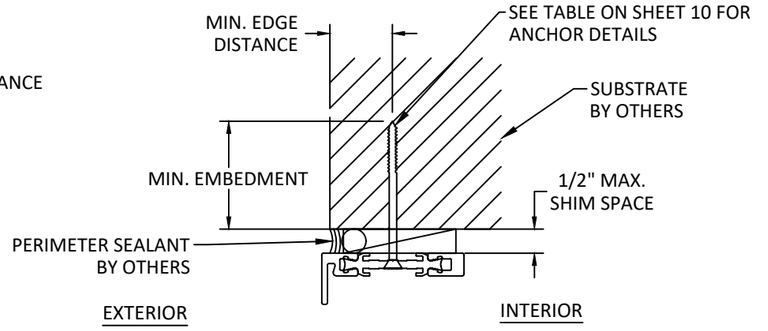
A 11 VERTICAL SECTION

HEAD - ALUMINUM/STEEL BENT EXT. CLIP
JAMB AND SILL SIMILAR
INSIDE GLAZED



B 11 VERTICAL SECTION

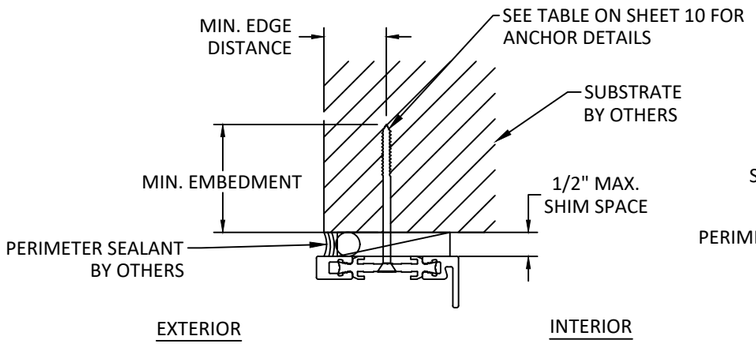
HEAD - ALUMINUM/STEEL BENT EXT. CLIP
JAMB AND SILL SIMILAR
OUTSIDE GLAZED



C 11 VERTICAL SECTION

HEAD - THROUGH FRAME
JAMB AND SILL SIMILAR
INSIDE GLAZED

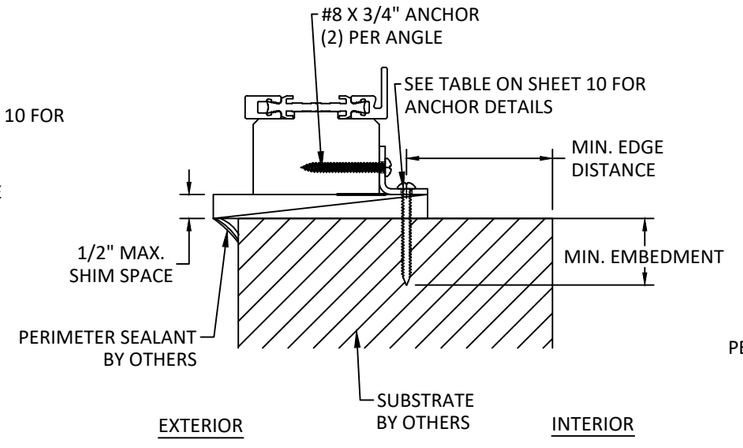
NOTE: THROUGH FRAME INSTALLATION WITHOUT BLOCKING ONLY QUALIFIED FOR FLAT PROFILE.



D 11 VERTICAL SECTION

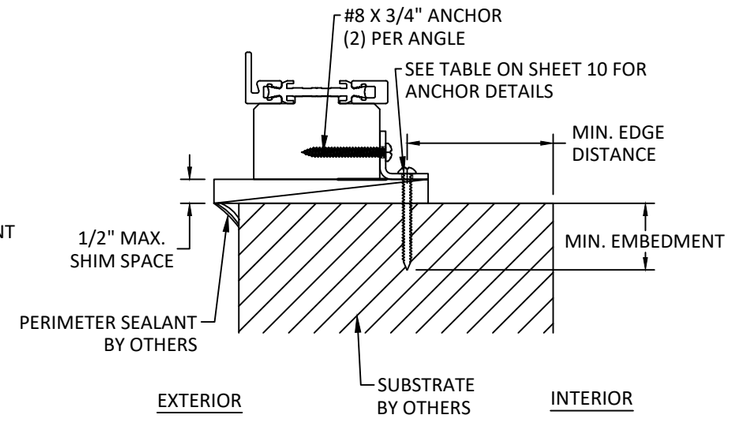
HEAD - THROUGH FRAME
JAMB AND SILL SIMILAR
OUTSIDE GLAZED

NOTE: THROUGH FRAME INSTALLATION WITHOUT BLOCKING ONLY QUALIFIED FOR FLAT PROFILE.



E 11 VERTICAL SECTION

SILL - 3/4" X 3/4" ALUMINUM/STEEL ANGLE
OUTSIDE GLAZED



F 11 VERTICAL SECTION

SILL - 3/4" X 3/4" ALUMINUM/STEEL ANGLE
INSIDE GLAZED

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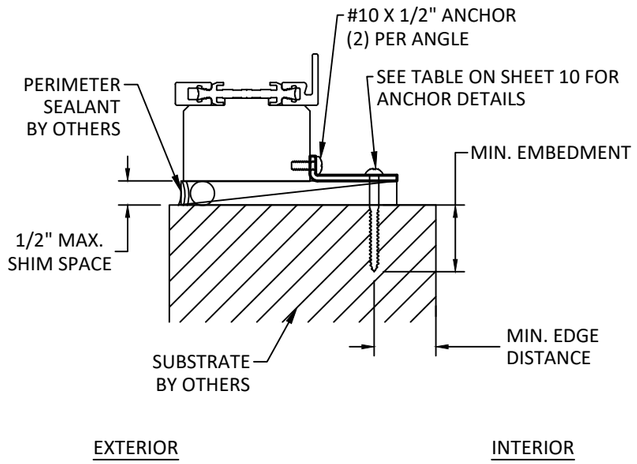
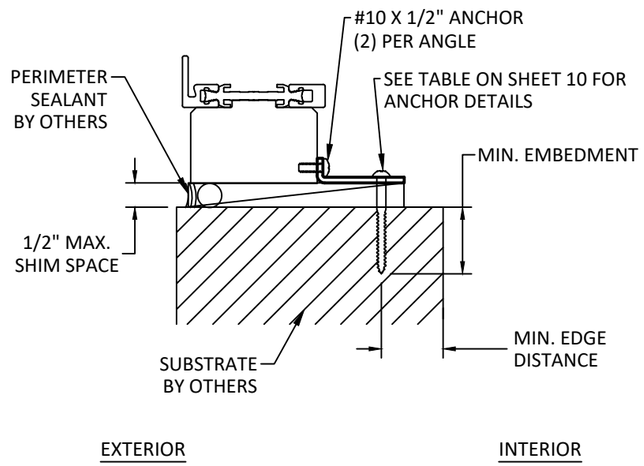


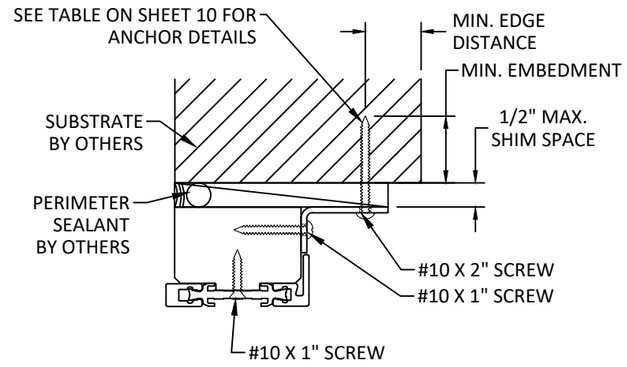
A/12 VERTICAL SECTION

SILL - 1/2" X 1-4/5" ALUMINUM/STEEL ANGLE
OUTSIDE GLAZED



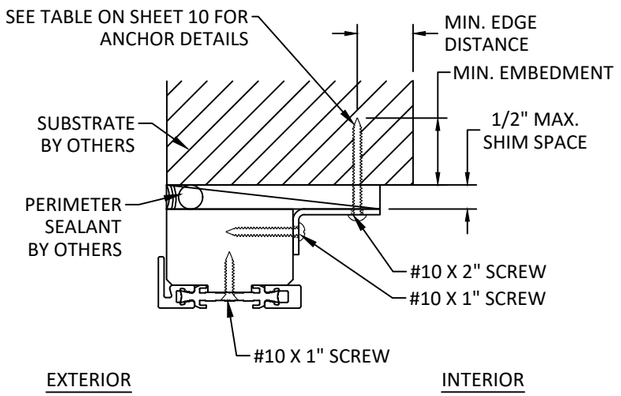
B/12 VERTICAL SECTION

SILL - 1/2" X 1-4/5" ALUMINUM/STEEL ANGLE
INSIDE GLAZED



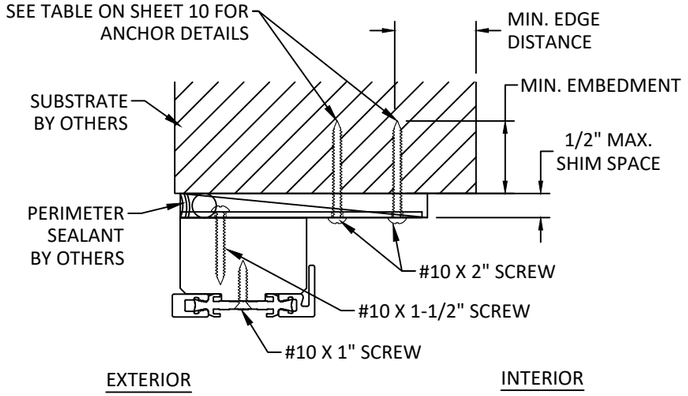
C/12 VERTICAL SECTION

HEAD - ALUMINUM/STEEL BENT INT. CLIP
JAMB SIMILAR
OUTSIDE GLAZED



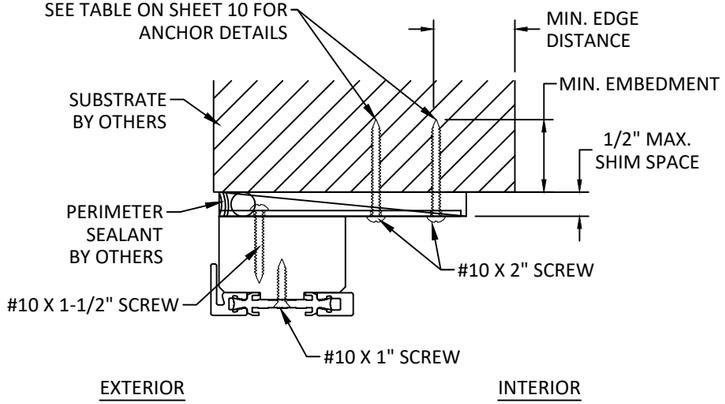
D/12 VERTICAL SECTION

HEAD - ALUMINUM/STEEL BENT INT. CLIP
JAMB SIMILAR
INSIDE GLAZED



E/12 VERTICAL SECTION

HEAD - ALUMINUM/STEEL FLAT CLIP
JAMB SIMILAR
OUTSIDE GLAZED



F/12 VERTICAL SECTION

HEAD - ALUMINUM/STEEL FLAT CLIP
JAMB SIMILAR
INSIDE GLAZED

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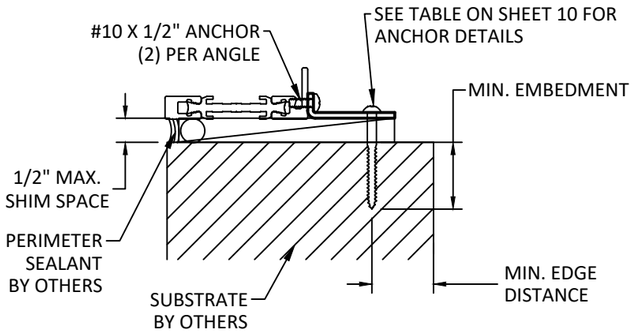
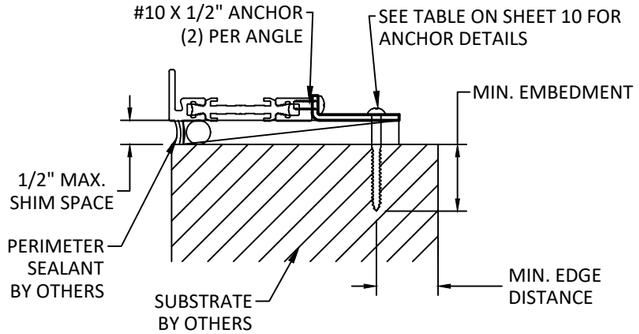


EXTERIOR INTERIOR

A/13 VERTICAL SECTION

SILL - 1/2" X 1-4/5" ALUMINUM/STEEL ANGLE
OUTSIDE GLAZED



EXTERIOR INTERIOR

B/13 VERTICAL SECTION

SILL - 1/2" X 1-4/5" ALUMINUM/STEEL ANGLE
INSIDE GLAZED

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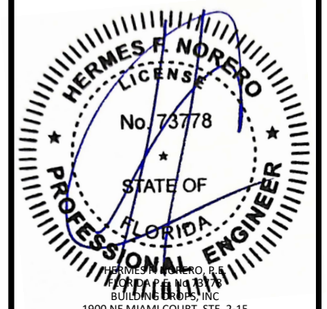

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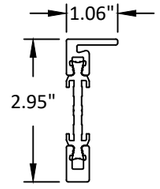
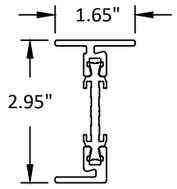
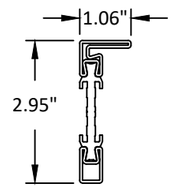
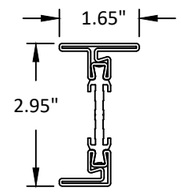
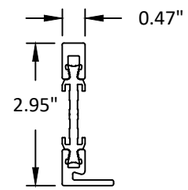
QUALIFIED FRAME PROFILE OPTIONS

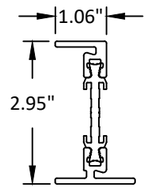


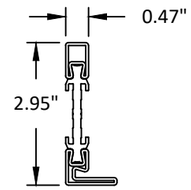


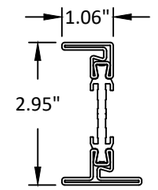


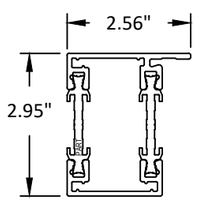


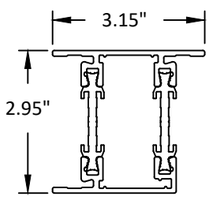


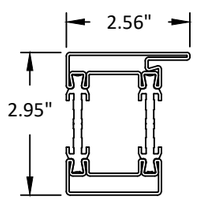


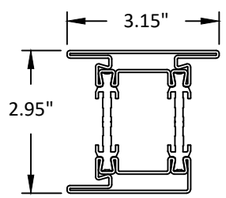


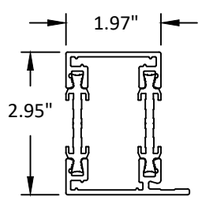


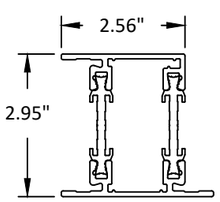


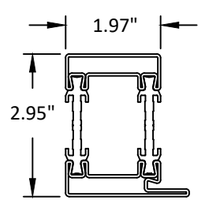


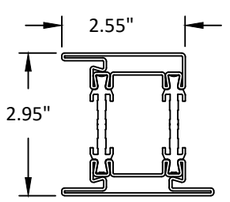


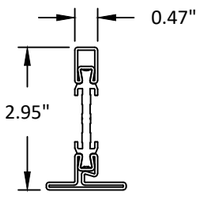


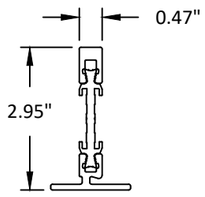












REILLY ARCHITECTURAL
901 Burman Blvd, Building 701 Calverton, NY 11933
P 631-208-0710 F 631-208-0711 www.reillyarch.com

TITLE: W75 FIXED WINDOW (WZ3) (IMPACT)

PROFILE OPTIONS

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 LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

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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 #: FL47693

DATE: 05.20.2025

DWG. BY: JR | CHK. BY: HFN

SCALE: NTS

DWG. #: RWD017

SHEET: 14 OF 15

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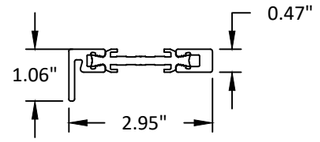
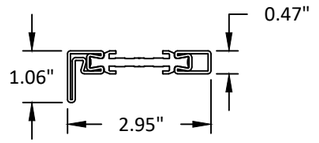
c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\reilly architectural\fbc-17-0718 - fbc submittal - fx, cs, swing, sgd & fold\dwgs\fixed window\wz3\rwd017.dwg

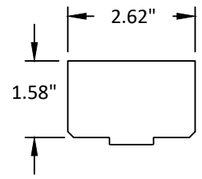
BILL OF MATERIALS			
ITEM	DESCRIPTION	MATERIAL	MANUFACTURER
1	EXTRUDED FRAME	BRONZE	REILLY
1A	FRAME	VARIES	REILLY
2	FRAME BLOCKING	PE	REILLY
3	#10 X 3" SCREW	18-8 STAINLESS STEEL	-
4	DOW 121	-	DOW CORNING
5	GLAZING TAPE	FOAM	BERRY GLOBAL
6	DOW 795	-	DOW CORNING
7	1/2" X 3" BAR	STAINLESS STEEL	-
8	FLAT CLIP	6061-T6 ALUMINUM OR STAINLESS STEEL	REILLY
9	BENT EXTERIOR/INTERIOR CLIP	6061-T6 ALUMINUM OR STAINLESS STEEL	REILLY
10	3/4" X 3/4" ANGLE	6061-T6 ALUMINUM OR STAINLESS STEEL	REILLY
11	1/2" X 1-4/5" ANGLE	6061-T6 ALUMINUM OR STAINLESS STEEL	REILLY
12	EXTRUDED MIDRAIL	BRONZE	REILLY
12A	MIDRAIL	VARIES	REILLY



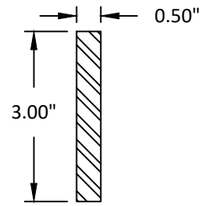
1 EXTRUDED FRAME
BRONZE



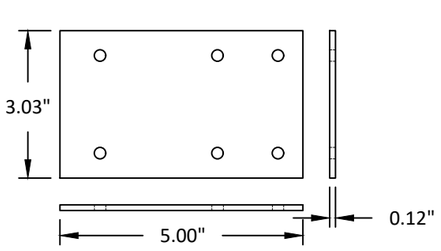
1A FRAME
VARIES



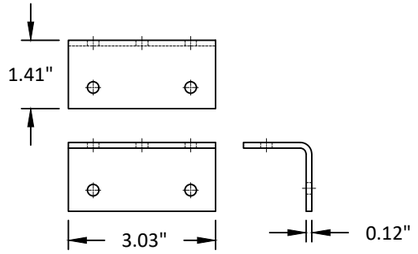
2 FRAME BLOCKING
PE



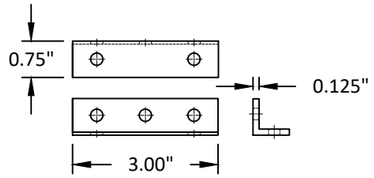
7 1/2" X 3" BAR
STAINLESS STEEL



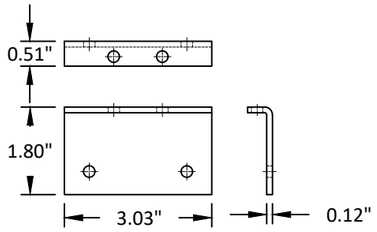
8 FLAT CLIP
6061-T6 ALUMINUM OR STAINLESS STEEL



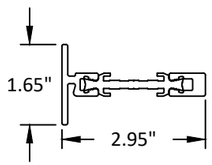
9 BENT EXTERIOR/INTERIOR CLIP
6061-T6 ALUMINUM OR STAINLESS STEEL



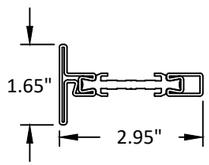
10 3/4" X 3/4" ANGLE
6061-T6 ALUMINUM OR STAINLESS STEEL



11 1/2" X 1-4/5" ANGLE
6061-T6 ALUMINUM OR STAINLESS STEEL



12 EXTRUDED MIDRAIL
BRONZE



12A MIDRAIL
VARIES

REILLY
ARCHITECTURAL
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BILL OF MATERIALS & COMPONENTS

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