

LINEA ROSSA LLC

LR-420F ALUMINUM FIXED CASEMENT WINDOW (HVHZ)(IMPACT)

DESIGNED by
LINEA ROSSA
1850 NW. 84TH AVE., STE. 114
DORAL, FL 33126
PH: (305)815-8797

GENERAL NOTES:

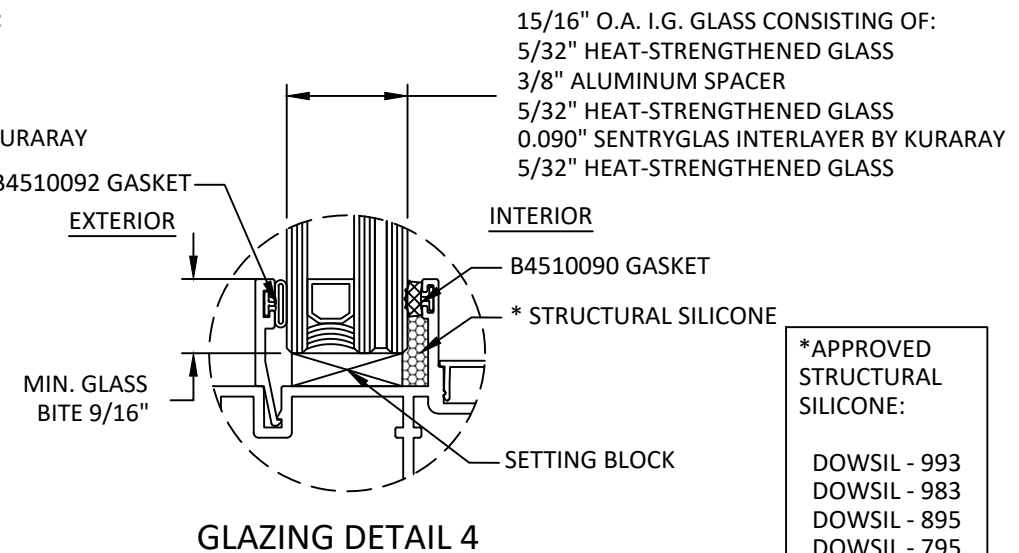
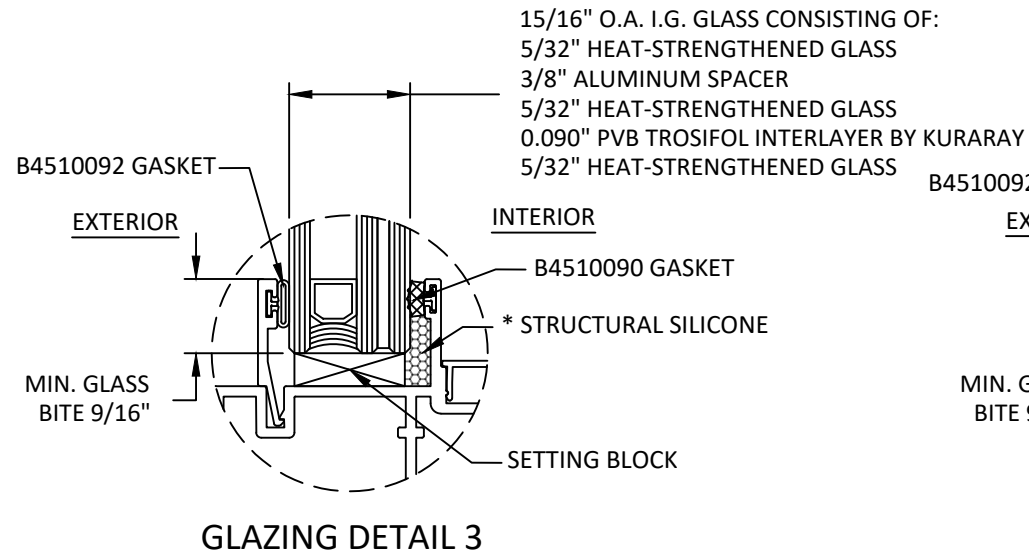
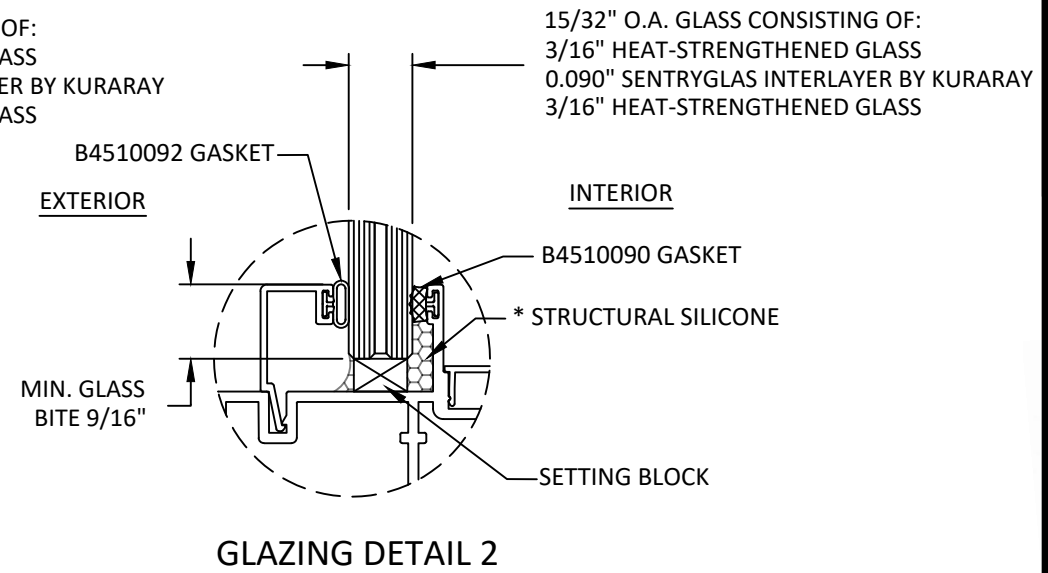
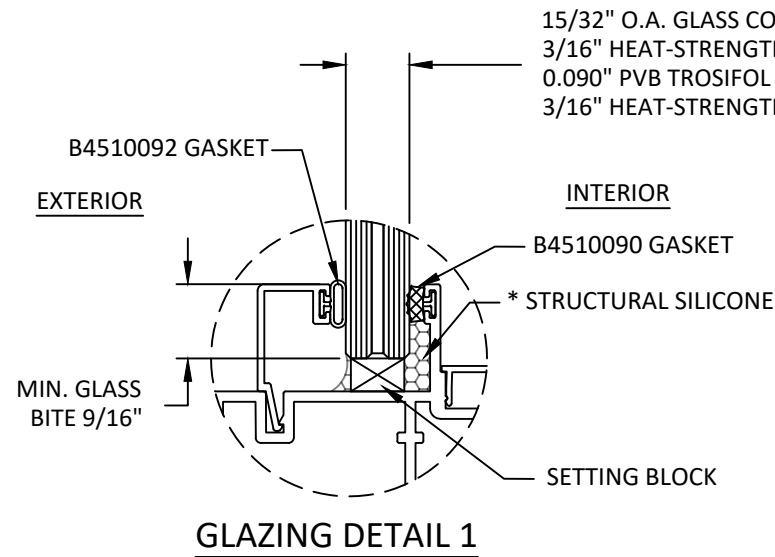
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **INCLUDING HVHZ**, AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, 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.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
- APPROVED IMPACT PROTECTIVE SYSTEM IS **NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: ALUMINUM 6063-T6/ ALUMINUM 6063-T5
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

MAX. WINDOW FRAME SIZE		CONFIG.	DESIGN PRESSURE	INTEGRAL MULLION	MISSILE IMPACT RATING
WIDTH	HEIGHT				
42"	90"	O	+90/-90 PSF	N/A	LARGE & SMALL MISSILE IMPACT
42"	90"	OO	+65/-65 PSF	LIGHT	
42"	90"	OO	+90/-90 PSF	HEAVY	

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GLAZING NOTES:

- GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SACRIFICIAL LITE SHALL BE TEMPERED WHEN INSTALLED 30' OR HIGHER ABOVE GRADE IN HVHZ.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- TWO APPROVED SETTING BLOCKS SHALL BE USED FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX. VALUES SHOWN ON TABLE IN SHEET 1 OR ELEVATIONS ON SHEETS 2 & 3.



*** APPROVED STRUCTURAL SILICONE:**
DOWSIL - 993
DOWSIL - 983
DOWSIL - 895
DOWSIL - 795

TITLE: LR-420F ALUMINUM FIXED CASEMENT WINDOW (HVHZ)(IMPACT)

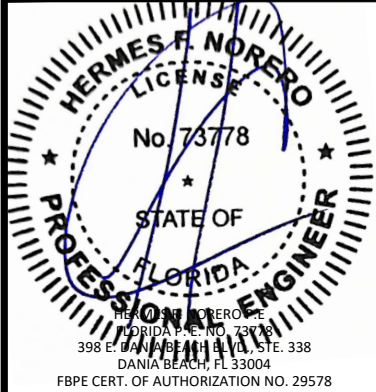
GENERAL NOTES & GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
REVISION A	FB	8/6/24

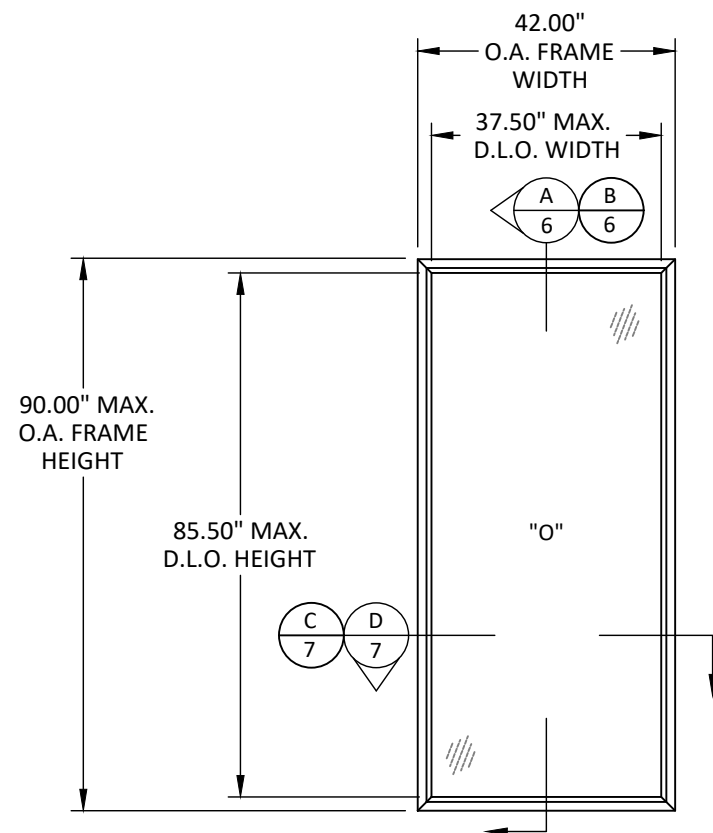
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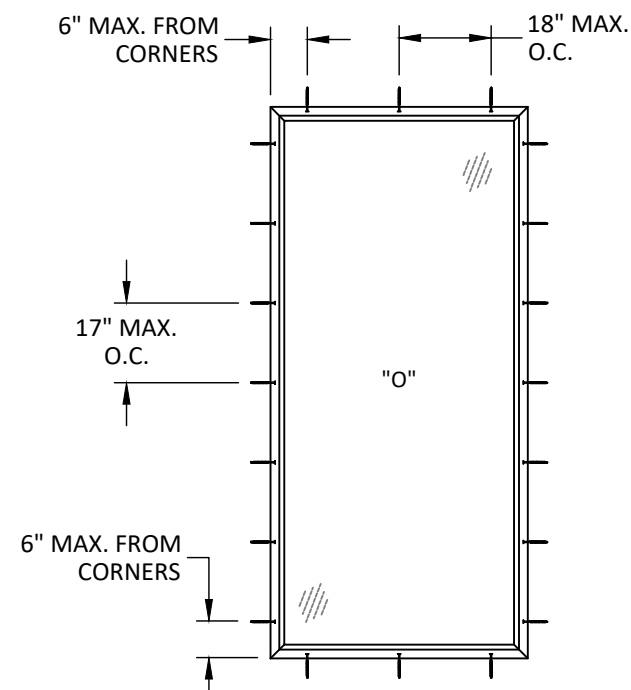
FL34543

DATE: 10.06.2023	
DWG. BY: SH	CHK. BY: HFN
SCALE: NTS	
DWG. #: LRA012	
SHEET: 1	OF 10

DESIGNED by
LINEA ROSSA®
 1850 NW. 84TH AVE., STE. 114
 DORAL, FL 33126
 PH: (305)815-8797



ELEVATION
 SINGLE - FIXED WINDOW



ANCHOR LAYOUT
 SINGLE THROUGH FRAME - FIXED WINDOW

TITLE: LR-420F ALUMINUM FIXED
 CASEMENT WINDOW
 (HVHZ)/(IMPACT)

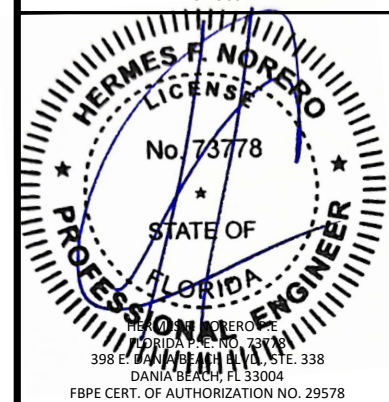
ELEVATION, ANCHOR LAYOUT,
 & DESIGN PRESSURE TABLE

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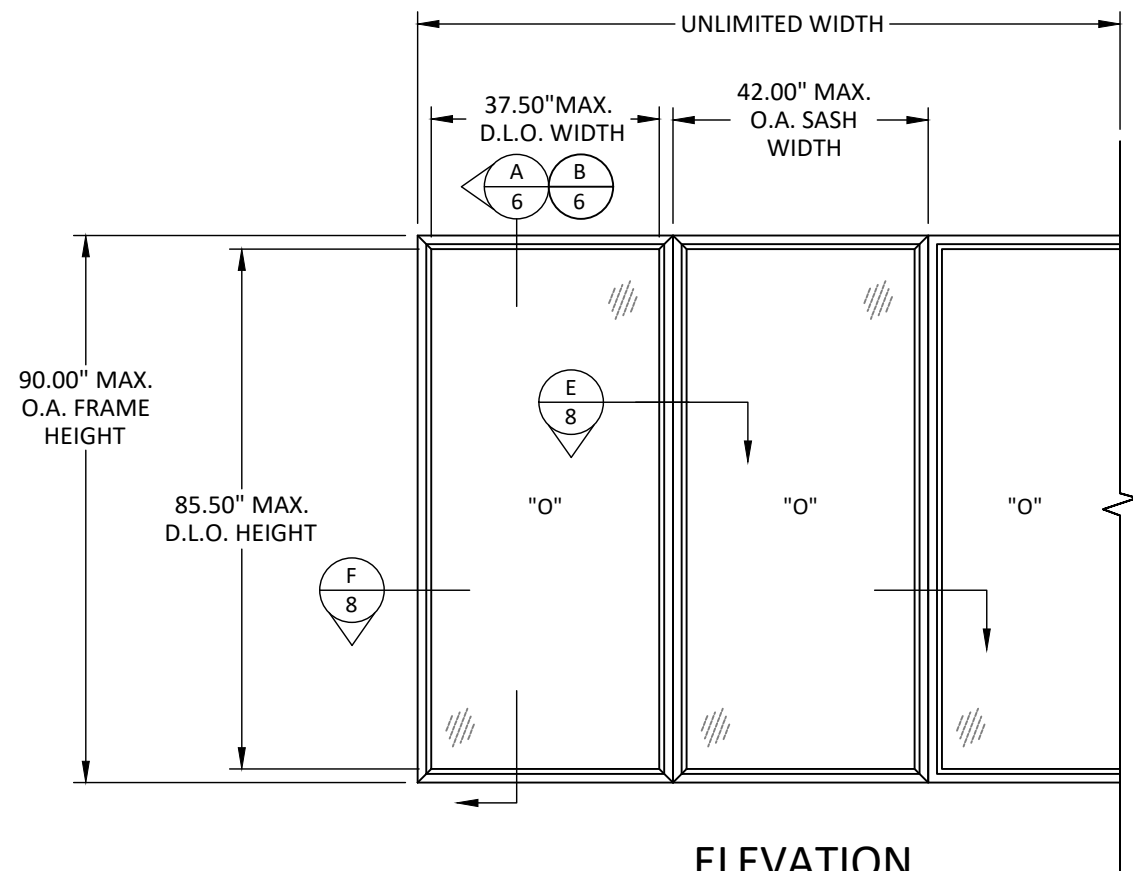


SINGLE FIXED WINDOW DESIGN PRESSURE TABLE (+/- PSF)

FRAME HEIGHT (IN.)	FRAME WIDTH (IN.)																								
	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150	156	
24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
30	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	-	-	-	-	-	
36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	-	-	-	-	-	-	-	-	-	
42	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	-	-	-	-	-	-	-	-	-	-	-	
48	90.0	90.0	90.0	90.0	90.0	90.0	78.8	78.8	78.8	78.8	78.8	-	-	-	-	-	-	-	-	-	-	-	-	-	
54	90.0	90.0	90.0	90.0	90.0	90.0	78.8	70.0	70.0	70.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
60	90.0	90.0	90.0	90.0	90.0	90.0	78.8	70.0	63.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
66	90.0	90.0	90.0	90.0	90.0	90.0	78.8	70.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
72	90.0	90.0	90.0	90.0	90.0	90.0	78.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
78	90.0	90.0	90.0	90.0	90.0	90.0	78.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
84	90.0	90.0	90.0	90.0	90.0	90.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
90	90.0	90.0	90.0	90.0	90.0	90.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

FL34543

DATE: 10.06.2023
 DWG. BY: SH
 CHK. BY: HFN
 SCALE: NTS
 DWG. #: LRA012
 SHEET: OF 10



ELEVATION
 MULLED - FIXED WINDOW

NOTE:
 SINGLE WINDOW MAY BE
 MULLED WITH APPROVED
 TUBE MULLION SYSTEM
 UNDER SEPARATE APPROVAL

		MULLED FIXED WINDOW LIGHT REINFORCEMENT (+/- PSF)																							
		TRIBUTARY WIDTH (IN.)																							
		18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150	156
FRAME HEIGHT (IN.)	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	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	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	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	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	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	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	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	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	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	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	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	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	

		MULLED FIXED WINDOW HEAVY REINFORCEMENT (+/- PSF)																							
		TRIBUTARY WIDTH (IN.)																							
		18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150	156
FRAME HEIGHT (IN.)	24	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	30	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	36	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	42	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	48	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	54	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	60	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	66	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	72	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	78	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
84	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
90	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	

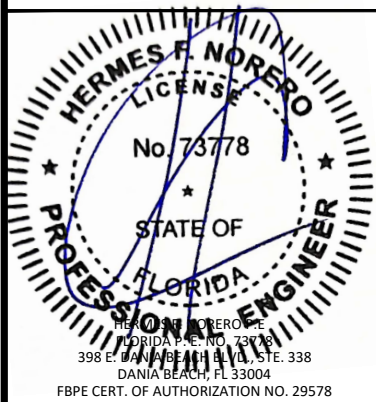
TITLE: LR-420F ALUMINUM FIXED CASEMENT WINDOW (HVHZ)/(IMPACT) ELEVATION & DESIGN PRESSURE TABLE

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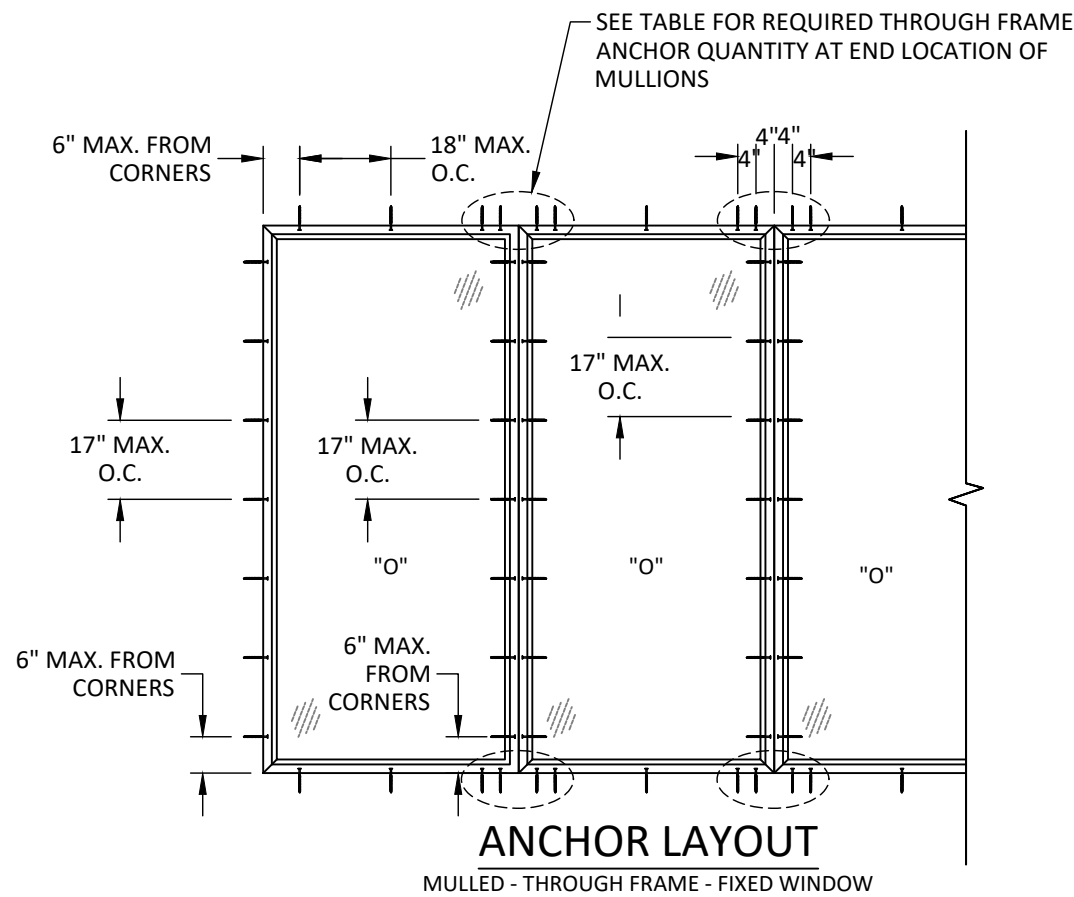
REMARKS	BY	DATE
REVISION A	FB	8/6/24

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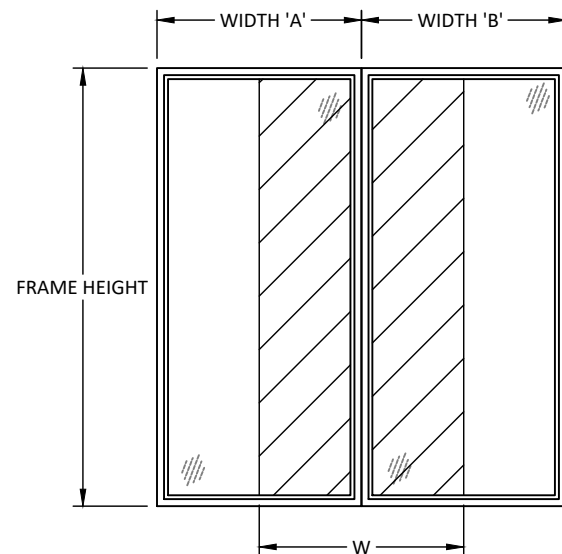


FL34543

DATE: 10.06.2023
 DWG. BY: SH
 CHK. BY: HFN
 SCALE: NTS
 DWG. #: LRA012
 SHEET: OF 10



NOTE:
 • SINGLE WINDOW MAY BE MULLIED WITH APPROVED TUBE MULLION SYSTEM UNDER SEPARATE APPROVAL

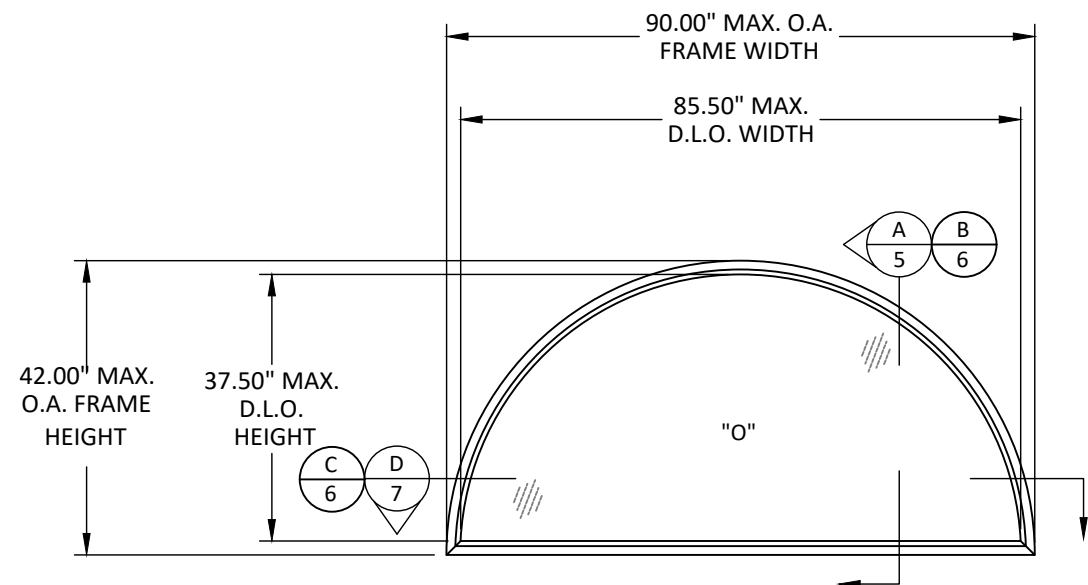


NOTE:
 • TRIBUTARY WIDTH (W) = (A+B)/2

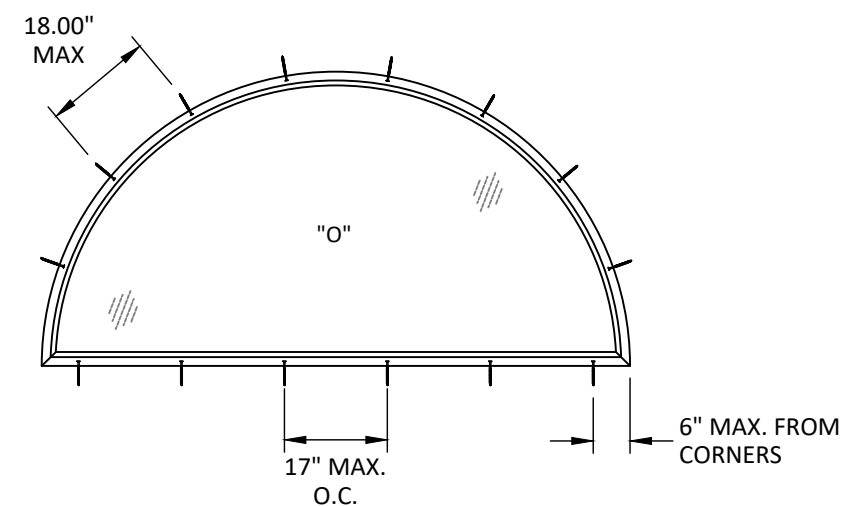
WINDOW DIMENSIONS		DESIGN PRESSURE TABLE (+/- PSF)									
TRIBUTARY WIDTH (IN.)	FRAME HEIGHT (IN.)	ANCHOR QUANTITY PER SYSTEM SIZE AND PRESSURE									
		TYPE A		TYPE B		TYPE C		TYPE D		TYPE E	
		65 PSF	90 PSF	65 PSF	90 PSF	65 PSF	90 PSF	65 PSF	90 PSF	65 PSF	90 PSF
18	24	1	1	1	1	1	1	1	1	1	1
24		1	1	1	1	1	1	1	1	1	1
30		1	1	1	1	1	1	1	1	1	1
36		1	1	1	1	1	1	1	1	1	1
42		1	1	1	1	1	1	2	1	2	1
48		1	1	1	1	1	1	2	2	1	2
54		1	2	1	1	1	1	2	2	1	2
60		1	2	1	2	1	1	2	2	2	2
66		1	2	1	2	1	1	2	2	2	2
72		2	2	1	2	1	1	2	3	2	3
78		2	2	2	2	1	1	2	3	2	3
84		2	3	2	2	1	1	2	3	2	3
90		2	3	2	2	1	2	2	3	2	3
96		2	3	2	3	1	2	3	4	3	4
102		2	3	2	3	1	2	3	4	3	4
108		2	3	2	3	1	2	3	4	3	4
114		3	3	2	3	1	2	3	4	3	4
120		3	4	2	3	1	2	3	4	3	4
126	3	4	2	3	2	2	3	5	3	5	
132	3	4	3	4	2	2	3	5	3	5	
138	3	4	3	4	2	2	4	5	4	5	
144	3	4	3	4	2	2	4	5	4	5	
150	3	5	3	4	2	3	4	5	4	5	
156	3	5	3	4	2	3	4	6	4	6	
18	30	1	1	1	1	1	1	1	1	1	1
24		1	1	1	1	1	1	1	1	1	1
30		1	1	1	1	1	1	1	1	1	1
36		1	1	1	1	1	1	2	1	2	1
42		1	2	1	1	1	1	2	2	1	2
48		1	2	1	2	1	1	2	2	2	2
54		1	2	1	2	1	1	2	2	2	2
60		2	2	1	2	1	1	2	3	2	3
66		2	3	2	2	1	1	2	3	2	3
72		2	3	2	2	1	2	2	3	2	3
78		2	3	2	3	1	2	3	4	3	4
84		2	3	2	3	1	2	3	4	3	4
90		2	3	2	3	1	2	3	4	3	4
96		3	4	2	3	1	2	3	4	3	4
102		3	4	2	3	2	2	3	5	3	5
108		3	4	3	4	2	2	4	5	4	5
114		3	4	3	4	2	2	4	5	4	5
120		3	5	3	4	2	3	4	5	4	5
126	3	5	3	4	2	3	4	6	4	6	
18	36	1	1	1	1	1	1	1	1	1	1
24		1	1	1	1	1	1	1	1	1	1
30		1	1	1	1	1	1	1	2	1	2
36		1	2	1	1	1	1	2	2	1	2
42		1	2	1	2	1	1	2	2	2	2
48		2	2	1	2	1	1	2	3	2	3
54		2	2	2	2	1	1	2	3	2	3
60		2	3	2	2	1	2	2	3	2	3
66		2	3	2	3	1	2	3	4	3	4
72		2	3	2	3	1	2	3	4	3	4
78		3	4	2	3	1	2	3	4	3	4
84		3	4	2	3	2	2	3	5	3	5
90		3	4	3	4	2	2	4	5	4	5
96		3	4	3	4	2	2	4	5	4	5
102		3	5	3	4	2	3	4	6	4	6

WINDOW DIMENSIONS		DESIGN PRESSURE TABLE (+/- PSF)										
TRIBUTARY WIDTH (IN.)	FRAME HEIGHT (IN.)	ANCHOR QUANTITY PER SYSTEM SIZE AND PRESSURE										
		TYPE A		TYPE B		TYPE C		TYPE D		TYPE E		
		65 PSF	90 PSF	65 PSF	90 PSF	65 PSF	90 PSF	65 PSF	90 PSF	65 PSF	90 PSF	
18	42	1	1	1	1	1	1	1	1	1	1	
24		1	1	1	1	1	1	1	2	1	2	
30		1	2	1	1	1	1	1	2	1	2	
36		1	2	1	1	1	1	2	2	2	2	
42		2	2	1	1	1	1	2	3	2	3	
48		2	3	2	2	1	1	2	3	2	3	
54		2	3	2	2	2	2	2	3	2	3	
60		2	3	2	2	2	2	3	4	3	4	
66		3	4	2	2	2	2	3	4	3	4	
72		3	4	2	2	2	2	3	5	3	5	
78		3	4	3	3	2	2	4	5	4	5	
84		3	5	3	3	3	3	4	5	4	5	
90		3	5	3	3	3	3	4	6	4	6	
18		48	1	1	1	1	1	1	1	1	1	1
24			1	1	1	1	1	1	1	2	1	2
30			1	2	1	1	1	1	1	2	2	2
36			2	2	1	1	1	1	2	3	2	3
42			2	3	2	2	1	1	2	3	2	3
48	2		3	2	2	2	2	3	4	3	4	
54	2		3	2	2	2	2	3	4	3	4	
60	3		4	2	2	2	2	3	4	3	4	
66	3		4	3	3	2	2	3	5	3	5	
72	3		4	3	3	2	2	4	5	4	5	
78	3		5	3	3	3	3	4	6	4	6	
18	54		1	1	1	1	1	1	1	1	1	1
24			1	2	1	1	1	1	1	2	1	2
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72		3	5	3	3	3	3	4	6	4	6	
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24			1	2	1	1	1	1	1	2	1	2
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72		3	5	3	3	3	3	4	10	4	10	
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42			3	5	3	3	3	3	4	6	4	6
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66		3	5	3	3	3	3	4	10	4	10	
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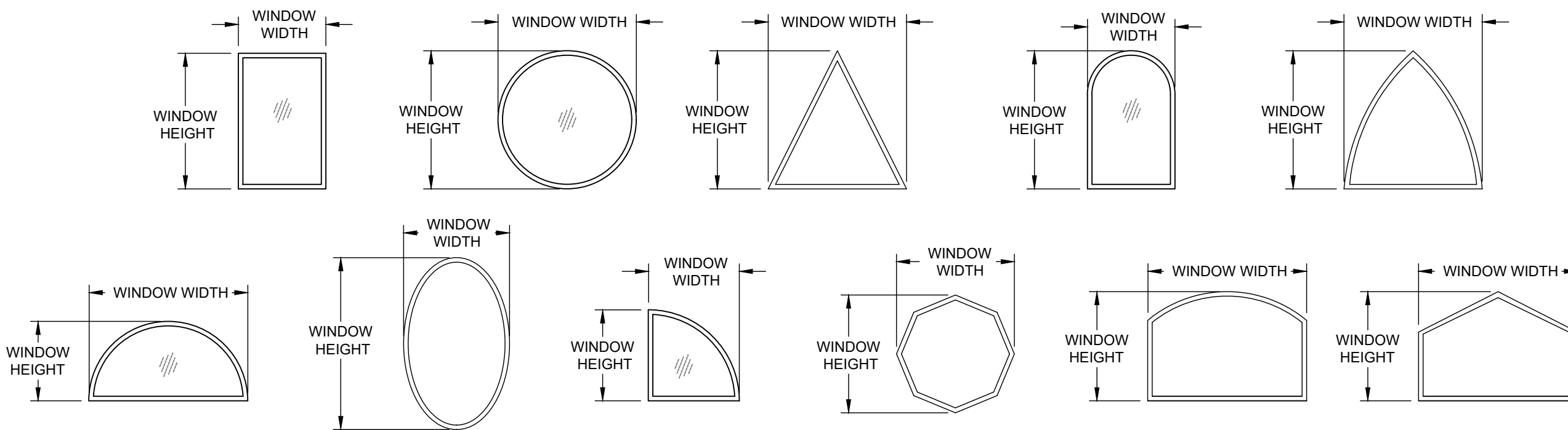
DESIGNED by
LINEA ROSSA
 1



ELEVATION
 RADIUS - FIXED WINDOW



ANCHOR LAYOUT
 RADIUS - THROUGH FRAME - FIXED WINDOW



ELEVATION
 APPROVED WINDOW CONFIGURATIONS
 OPTIONS

NOTE:
 • APPROVED SHAPED SHOWN SHALL BE LIMITED TO THE RECTANGULAR SINGLE WINDOW DIMENSIONS SHOWN ON SHEET 2.

TITLE: LR-420F ALUMINUM FIXED
 CASEMENT WINDOW
 (HVHZ)/(IMPACT)

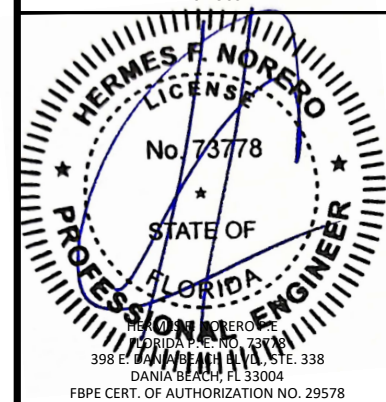
ELEVATION, ANCHOR LAYOUT,
 & QUALIFIED SHAPES

PREPARED BY: **BUILDING DROPS, INC.**
 398 E. DANIA BEACH BLVD., STE. 338
 DANIA BEACH, FL 33004
 PH: (954)399-8478
 FAX: (954)744-4738
 WEB: www.buildingdrops.com



REMARKS	BY	DATE
REVISION A	FB	8/6/24

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.



FL34543

DATE: 10.06.2023

DWG. BY: SH
 CHK. BY: HFN

SCALE: NTS

DWG. #: LRA012

SHEET: OF 10

DESIGNED by
LINEA ROSSA®
 1850 NW. 84TH AVE., STE. 114
 DORAL, FL 33126
 PH: (305)815-8797

TITLE: LR-420F ALUMINUM FIXED
 CASEMENT WINDOW
 (HVHZ)/(IMPACT)

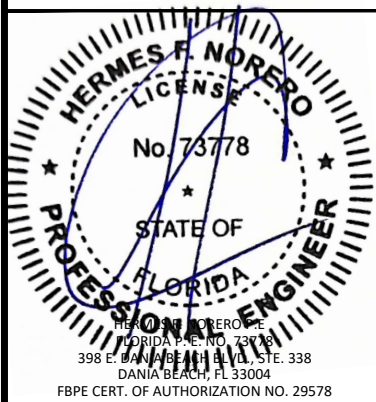
VERTICAL SECTIONS

PREPARED BY: **BUILDING DROPS, INC.**
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 DANIA BEACH, FL 33004
 PH: (954)399-8478
 FAX: (954)744-4738
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FL34543

DATE: 10.06.2023

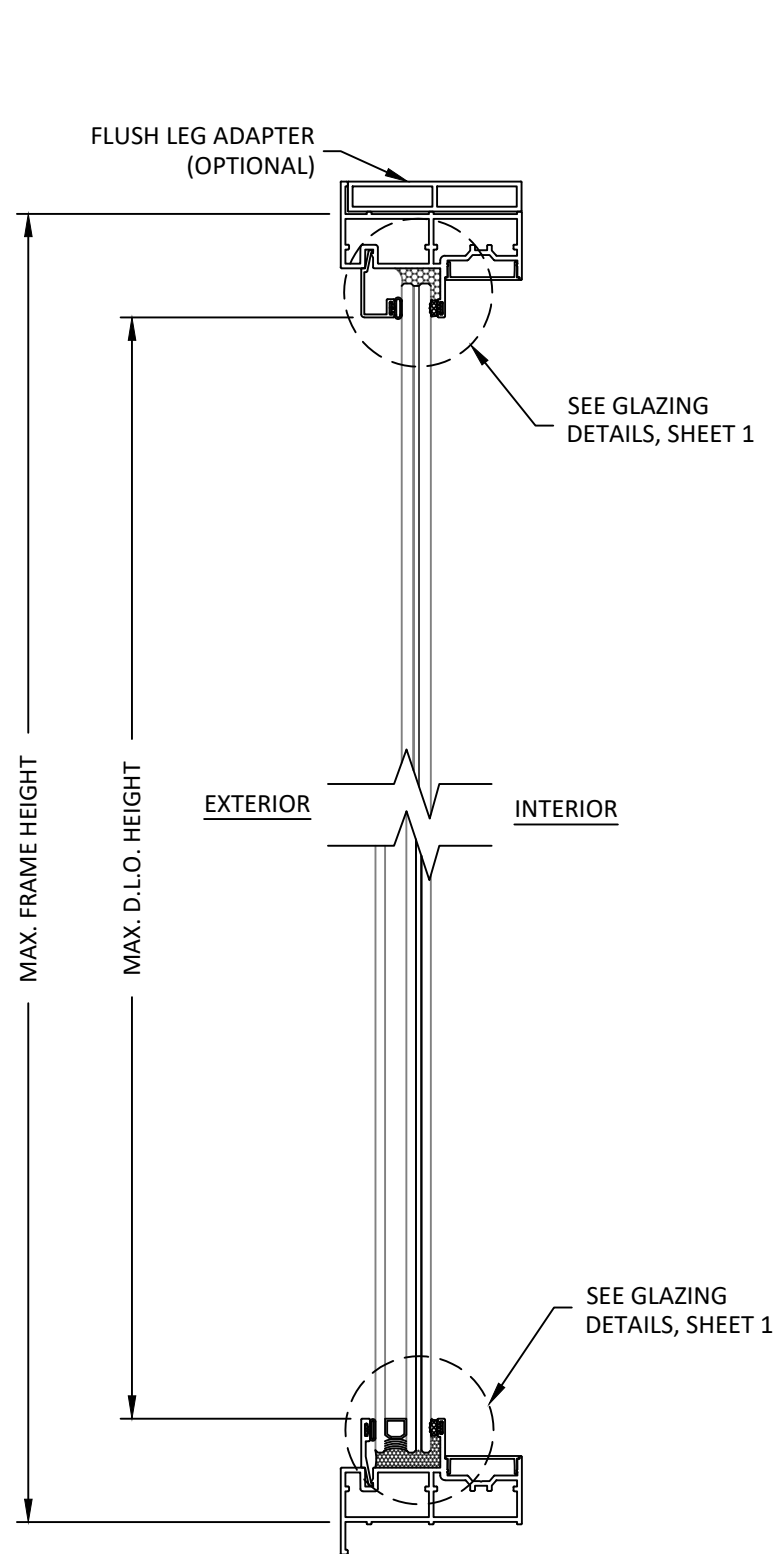
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SCALE: NTS

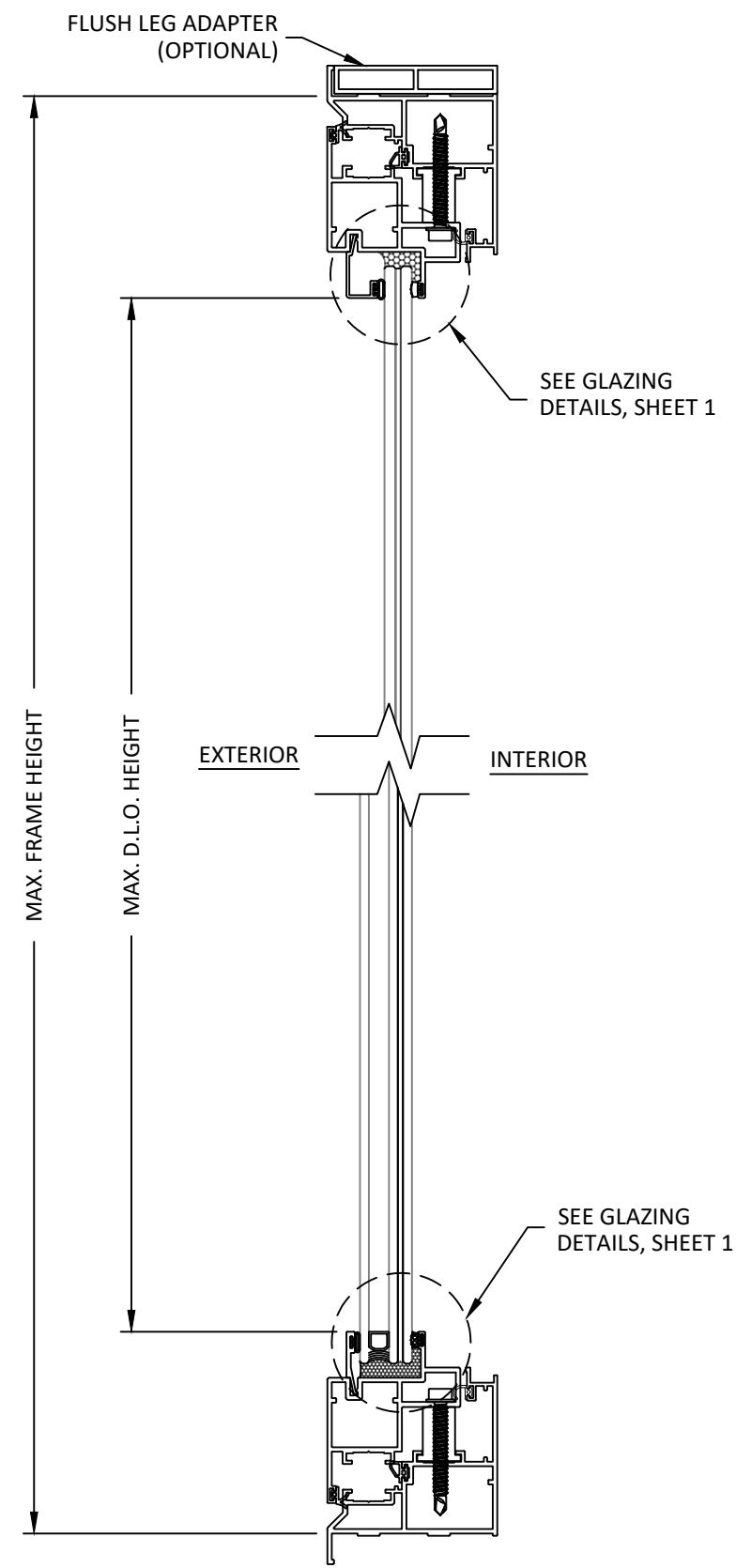
DWG. #: LRA012

SHEET: OF 10

6

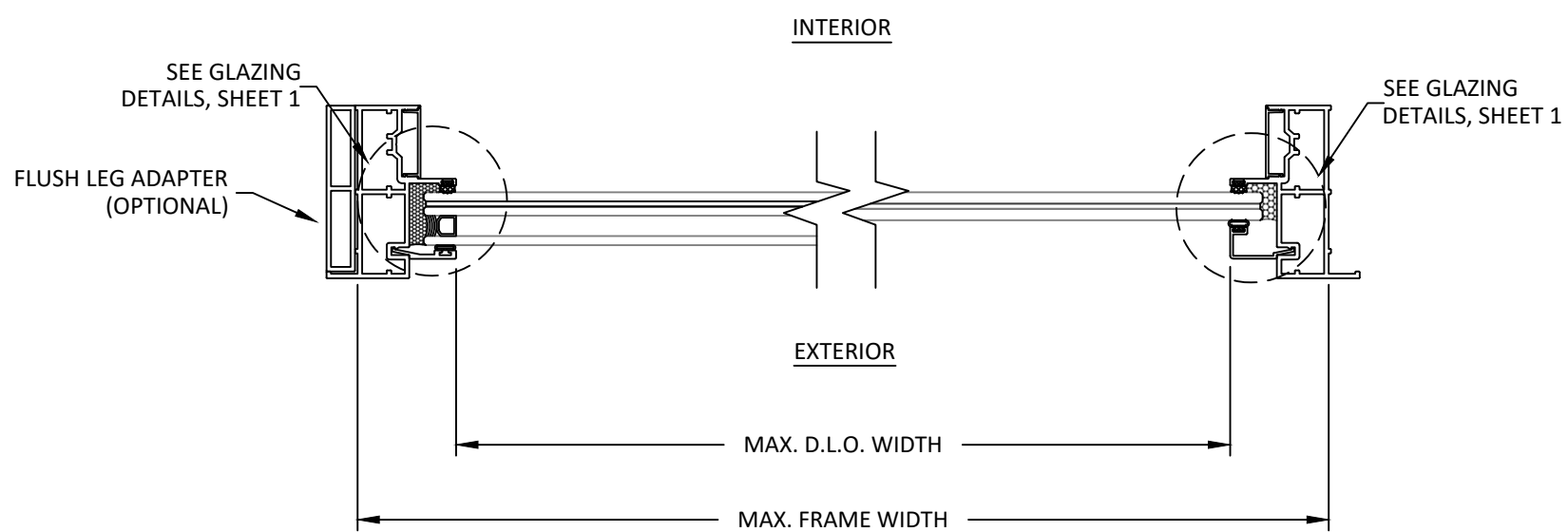


A
6
 VERTICAL SECTION
 SINGLE & MULLED UNITS - FIXED WINDOW

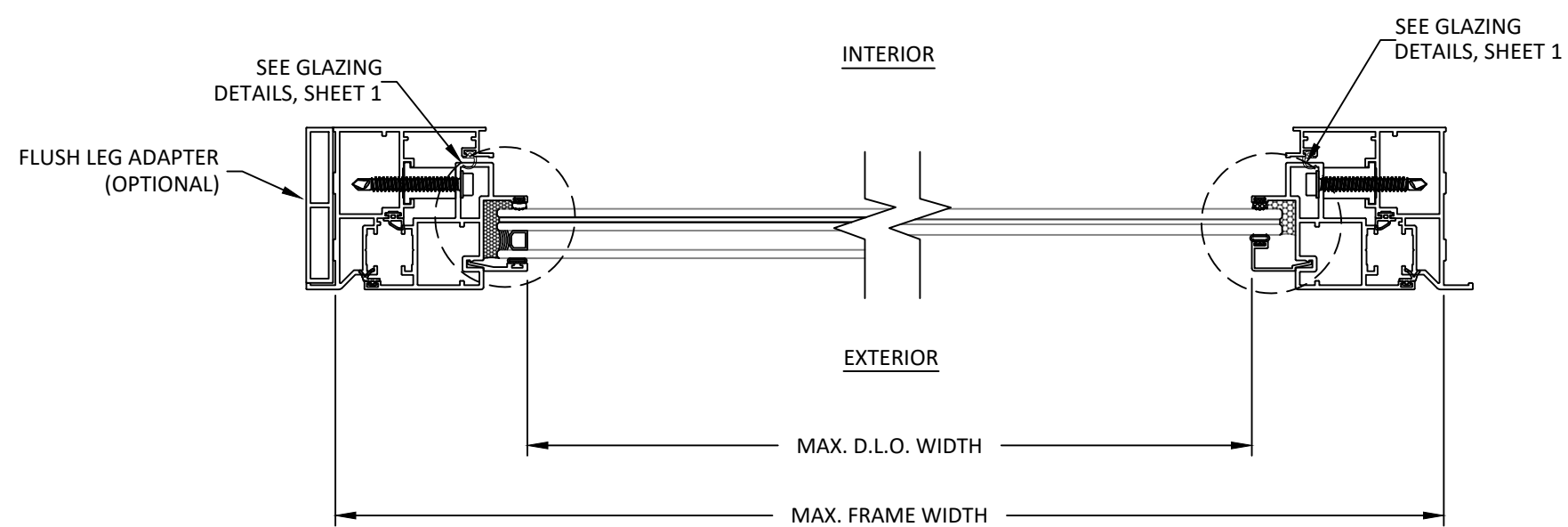


B
6
 VERTICAL SECTION
 SINGLE & MULLED UNITS - FIXED WINDOW
 ALTERNATE FRAME

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C
7 HORIZONTAL SECTION
 SINGLE - FIXED WINDOW



D
7 HORIZONTAL SECTION
 SINGLE - FIXED WINDOW
 ALTERNATE FRAME

TITLE: LR-420F ALUMINUM FIXED
 CASEMENT WINDOW
 (HVHZ)(IMPACT)

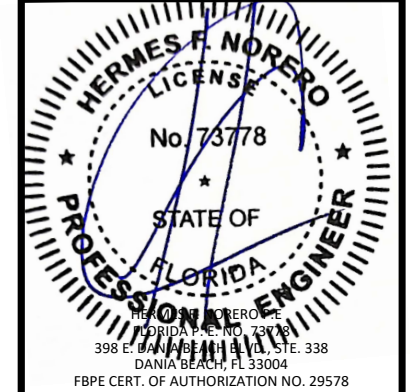
HORIZONTAL SECTIONS

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REMARKS	BY	DATE
REVISION A	FB	8/6/24

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FL34543

DATE: 10.06.2023

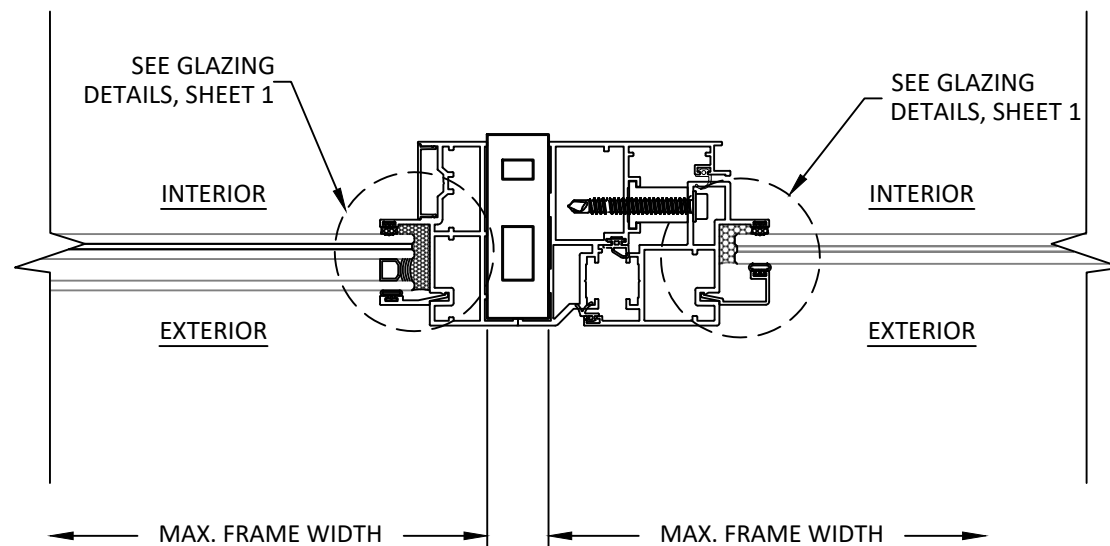
DWG. BY: SH CHK. BY: HFN

SCALE: NTS

DWG. #: LRA012

SHEET: 7 OF 10

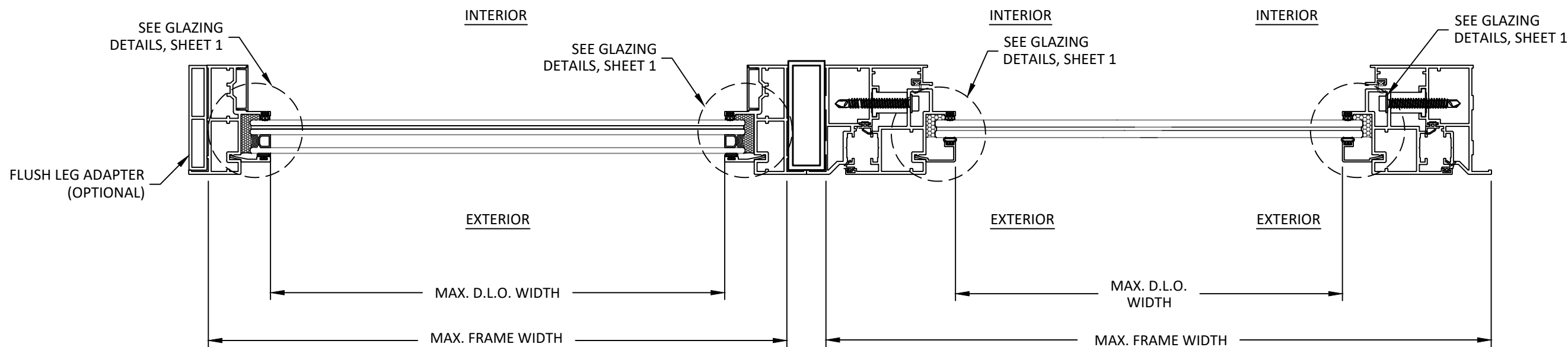
7



E
8

HORIZONTAL SECTION

HEAVY MULLION - FIXED WINDOW
ALTERNATE FRAME SHOWN ON RIGHT



F
8

HORIZONTAL SECTION

LIGHT MULLION - FIXED WINDOW
ALTERNATE FRAME SHOWN ON RIGHT

DESIGNED by
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DORAL, FL 33126
PH: (305)815-8797

TITLE: LR-420F ALUMINUM FIXED
CASEMENT WINDOW
(HVHZ)/(IMPACT)

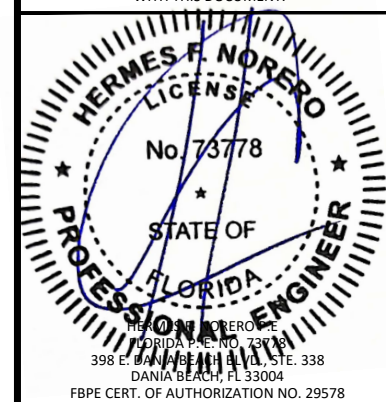
HORIZONTAL SECTIONS

PREPARED BY: **BUILDING DROPS, INC.**
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DANIA BEACH, FL 33004
PH: (954)399-8478
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REMARKS	BY	DATE
REVISION A	FB	8/6/24

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FL34543

DATE: 10.06.2023

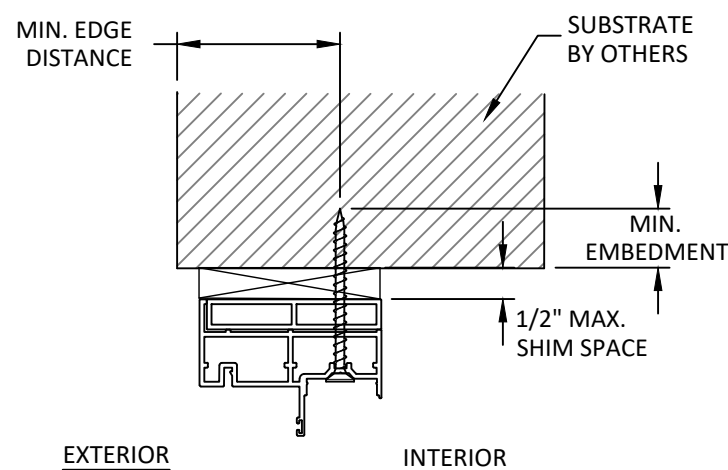
DWG. BY: SH CHK. BY: HFN

SCALE: NTS

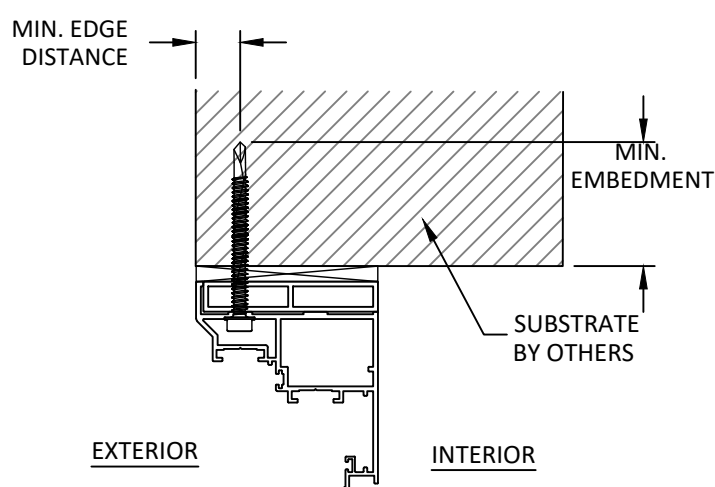
DWG. #: LRA012

SHEET: OF 10

8



A
9
ANCHOR DETAIL
THROUGH FRAME (HEAD)



B
9
ANCHOR DETAIL
THROUGH FRAME (HEAD)
ALTERNATE FRAME SHOWN

NOTE: INSTALLATION SHOWN SHOWS FRAME WITH FLUSH LEG ADAPTER (OPTIONAL)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- 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 $1/2$ " INCH. SHIM WHERE SPACE OF $1/16$ INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, 1X WOOD BUCK MAY BE USED (OPTIONAL AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- 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 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 TYPE	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	A	WOOD: MIN. SG = 0.55	1/4" DEWALT ULTRACON+	1.50"	1.00"
	B	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM .125" MIN, 6063-T5 MIN	#14 SELF-DRILLING SCREW GR. 5	3 THREADS MIN. PENETRATION BEYOND METAL	0.75"
	C	CONCRETE: f'c=3000PSI	1/4" DEWALT ULTRACON+	1.75"	2.50"
	D	MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1.75"	2.50"
MULLIONS	E	ALUMINUM 6063-T6	1 / 4" DEWALT DRILL-FLEX	3 THREADS MIN. PENETRATION BEYOND METAL	0.75"

TITLE: LR-420F ALUMINUM FIXED CASEMENT WINDOW (HVHZ)/(IMPACT)

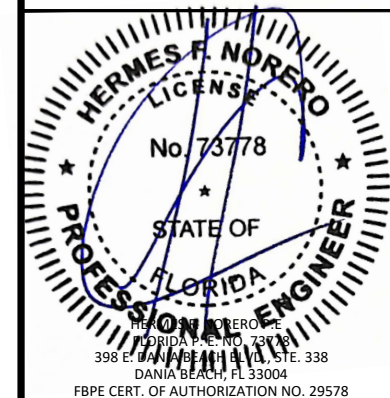
INSTALLATION NOTES & ANCHOR DETAILS
PREPARED BY: BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
REVISION A	FB	8/6/24

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FL34543

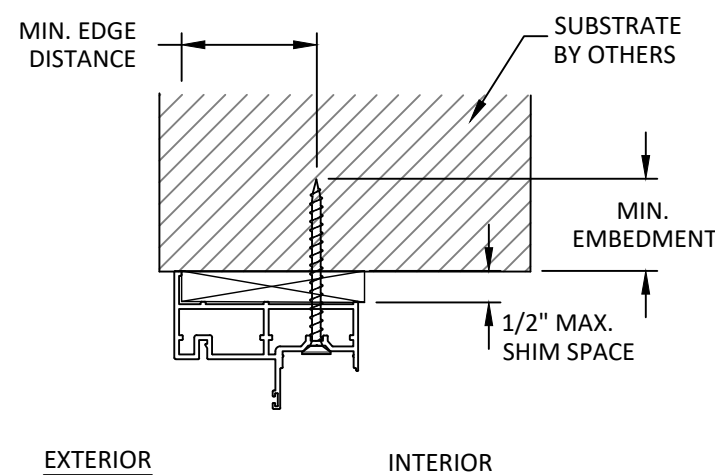
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DWG. BY: SH
CHK. BY: HFN

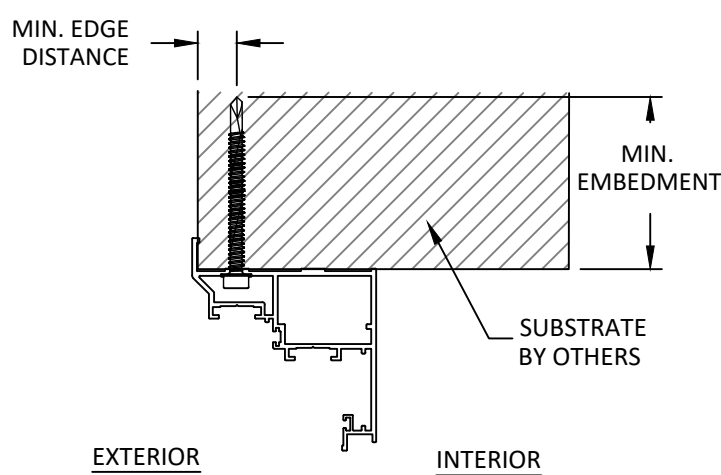
SCALE: NTS

DWG. #: LRA012

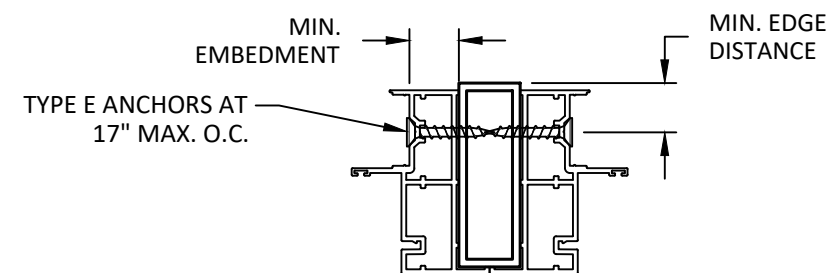
SHEET: OF 10



A
10
ANCHOR DETAIL
 THROUGH FRAME (HEAD)



B
10
ANCHOR DETAIL
 THROUGH FRAME (HEAD)
 ALTERNATE FRAME SHOWN



C
10
ANCHOR DETAIL
 THROUGH FRAME (JAMB)
 LIGHT MULLION SHOWN,
 HEAVY MULLION SIMILAR

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- 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 1/2" INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, 1X WOOD BUCK MAY BE USED (OPTIONAL AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
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ANCHOR SCHEDULE					
METHOD	SUBSTRATE TYPE	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	A	WOOD: MIN. SG = 0.55	1/4" DEWALT ULTRACON+	1.50"	1.00"
	B	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM .125" MIN, 6063-T5 MIN	#14 SELF-DRILLING SCREW GR. 5	3 THREADS MIN. PENETRATION BEYOND METAL	0.75"
	C	CONCRETE: f'c=3000PSI	1/4" DEWALT ULTRACON+	1.75"	2.50"
	D	MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1.75"	2.50"
MULLIONS	E	ALUMINUM 6063-T6	1 / 4" DEWALT DRILL-FLEX	3 THREADS MIN. PENETRATION BEYOND METAL	0.75"

TITLE: LR-420F ALUMINUM FIXED CASEMENT WINDOW (HVHZ)/(IMPACT)

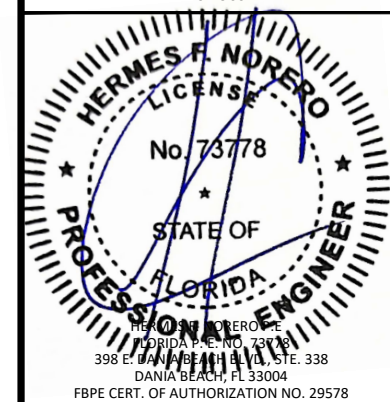
INSTALLATION NOTES & ANCHOR DETAILS
 PREPARED BY: BUILDING DROPS, INC.

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REMARKS	BY	DATE
REVISION A	FB	8/6/24

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.



FL34543

DATE: 10.06.2023

DWG. BY: SH
 CHK. BY: HFN

SCALE: NTS

DWG. #: LRA012

SHEET: OF 10

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