

REILLY ARCHITECTURAL

RWD45 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
 - ASTM E1886-19
 - ASTM E1996-20
 - ASTM E283-19
 - ASTM E330-14(21)
 - TAS 201
 - TAS 203
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.

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5.

APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
6.

APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCTS IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
7.

WINDOW FRAME MATERIAL: MAHOGANY
8.

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

INSTALLATION NOTES:

1.

ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 7.
2.

INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±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.
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:
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
6.

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.

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5	VERTICAL SECTIONS
6	HORIZONTAL SECTIONS
7	ANCHOR DETAILS & ANCHOR SCHEDULE
8	BILL OF MATERIALS & COMPONENTS

DESIGN PRESSURE RATING (PSF)			
WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
98"	142"	+60/-60 PSF	LARGE & SMALL MISSILE IMPACT

*NOTE: SEE SHEET 2 & 3 FOR ALTERNATE SIZES AND PRESSURES

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TITLE: RWD45 FIXED WINDOW (WZ3) (IMPACT)

GENERAL NOTES & INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

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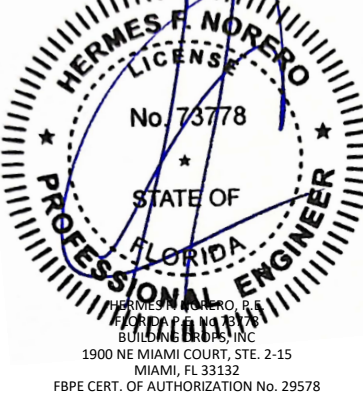
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REMARKS	BY	DATE
2026 FBC UPDATE	LS	06/26

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.15 17:22:20 -03'00'



FL #: **FL47185**

DATE: **12.06.2024**

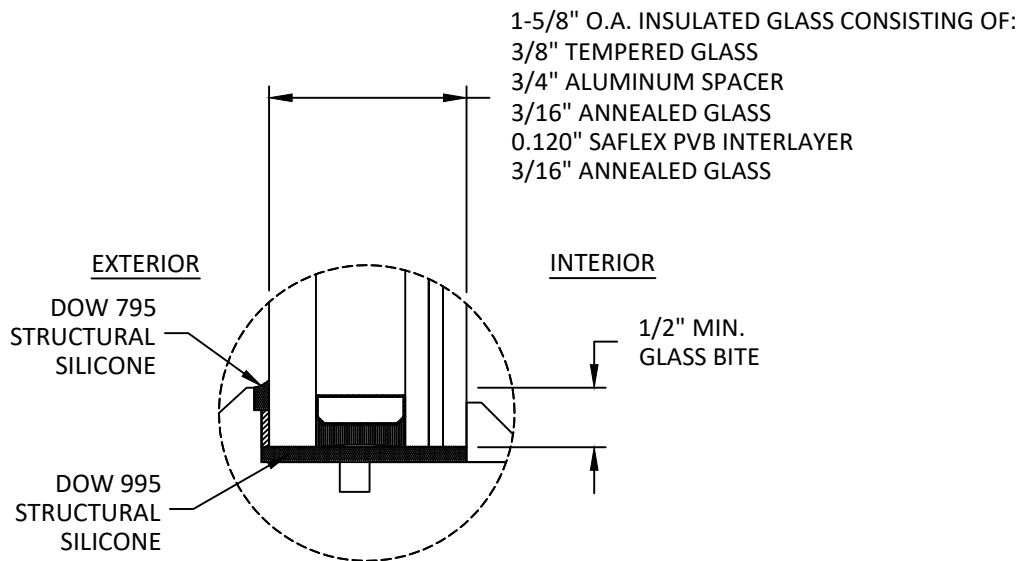
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SCALE: **NTS**

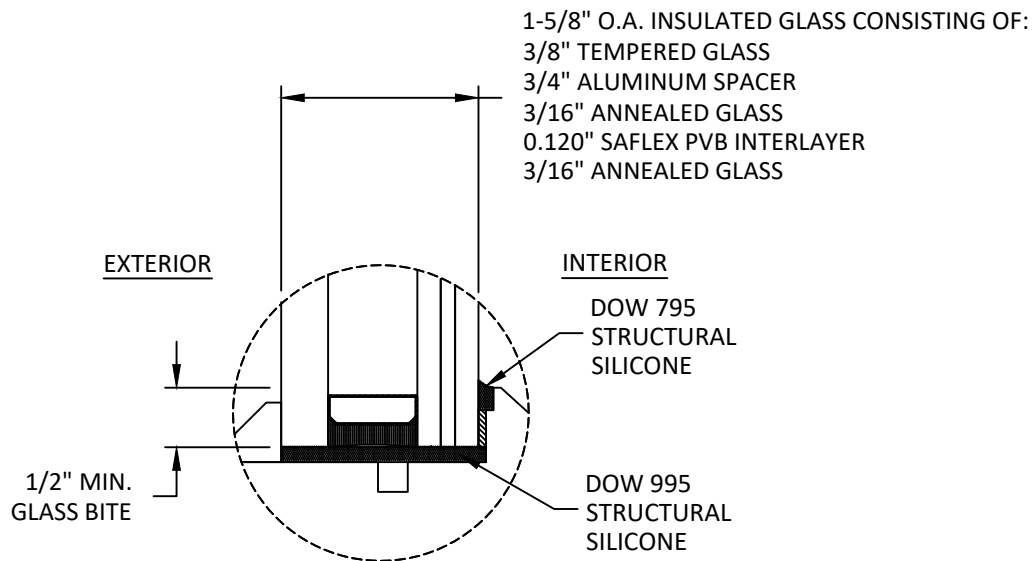
DWG. #: **RWD013**

SHEET: **1** REV. **A**
OF 8

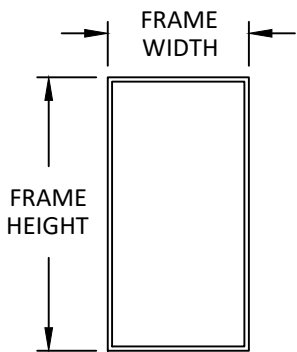
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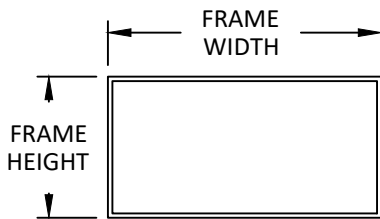
GLAZING DETAIL: G1
INSIDE GLAZED



GLAZING DETAIL: G2
OUTSIDE GLAZED



NOTE:
WINDOW WIDTH AND HEIGHT ARE
INTERCHANGEABLE FOR SIZES SHOWN
HEREIN, NOT TO EXCEED MAXIMUM
QUALIFIED SQUARE FOOT AREA.



GLAZING NOTES:

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

DESIGN PRESSURE TABLE - GLASS TYPES G1 & G2 (PSF)

FRAME HEIGHT (IN.)	FRAME WIDTH (IN.)														
		24	36	48	60	72	84	96	98	108	120	132	144	156	168
	48	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	60	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	72	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.4	57.9	56.7
	84	60.0	60.0	60.0	60.0	60.0	58.3	58.3	58.3	58.3	58.3	56.0	53.9	52.3	-
	96	60.0	60.0	60.0	60.0	60.0	58.3	51.0	51.0	51.0	51.0	51.0	50.1	-	-
	108	60.0	60.0	60.0	60.0	60.0	58.3	51.0	50.0	45.4	45.4	-	-	-	-
	120	60.0	60.0	60.0	60.0	60.0	58.3	51.0	50.0	45.4	-	-	-	-	-
	132	60.0	60.0	60.0	60.0	60.0	56.0	51.0	50.0	-	-	-	-	-	-
	142	60.0	60.0	60.0	60.0	59.7	54.3	50.5	50.0	-	-	-	-	-	-
	144	60.0	60.0	60.0	60.0	59.4	53.9	50.1	-	-	-	-	-	-	-
	156	60.0	60.0	60.0	60.0	57.9	52.3	-	-	-	-	-	-	-	-
	168	60.0	60.0	60.0	60.0	56.7	-	-	-	-	-	-	-	-	-
	180	60.0	60.0	60.0	60.0	55.7	-	-	-	-	-	-	-	-	-
	192	60.0	60.0	60.0	60.0	54.9	-	-	-	-	-	-	-	-	-

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(WZ3) (IMPACT)

GLAZING DETAILS &
DESIGN PRESSURE TABLES

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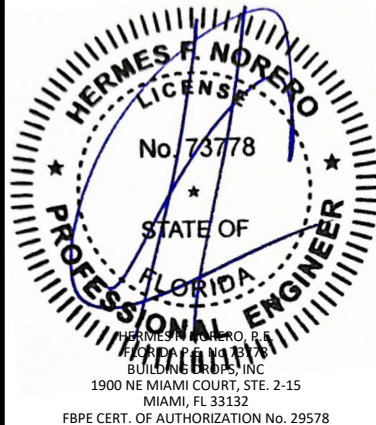
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FL47185

DATE: **12.06.2024**

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

DWG. #: **RWD013**

SHEET:	REV.
2	A

OF 8

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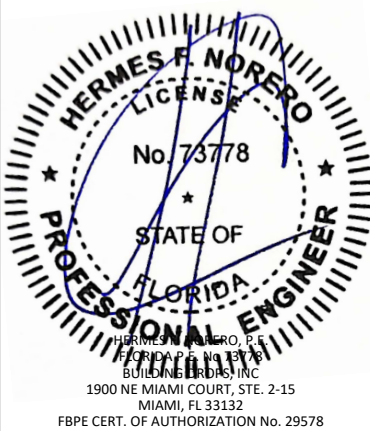
TITLE: RWD45 FIXED WINDOW
(WZ3) (IMPACT)
ELEVATION, ANCHOR LAYOUT,
& QUALIFIED SHAPES

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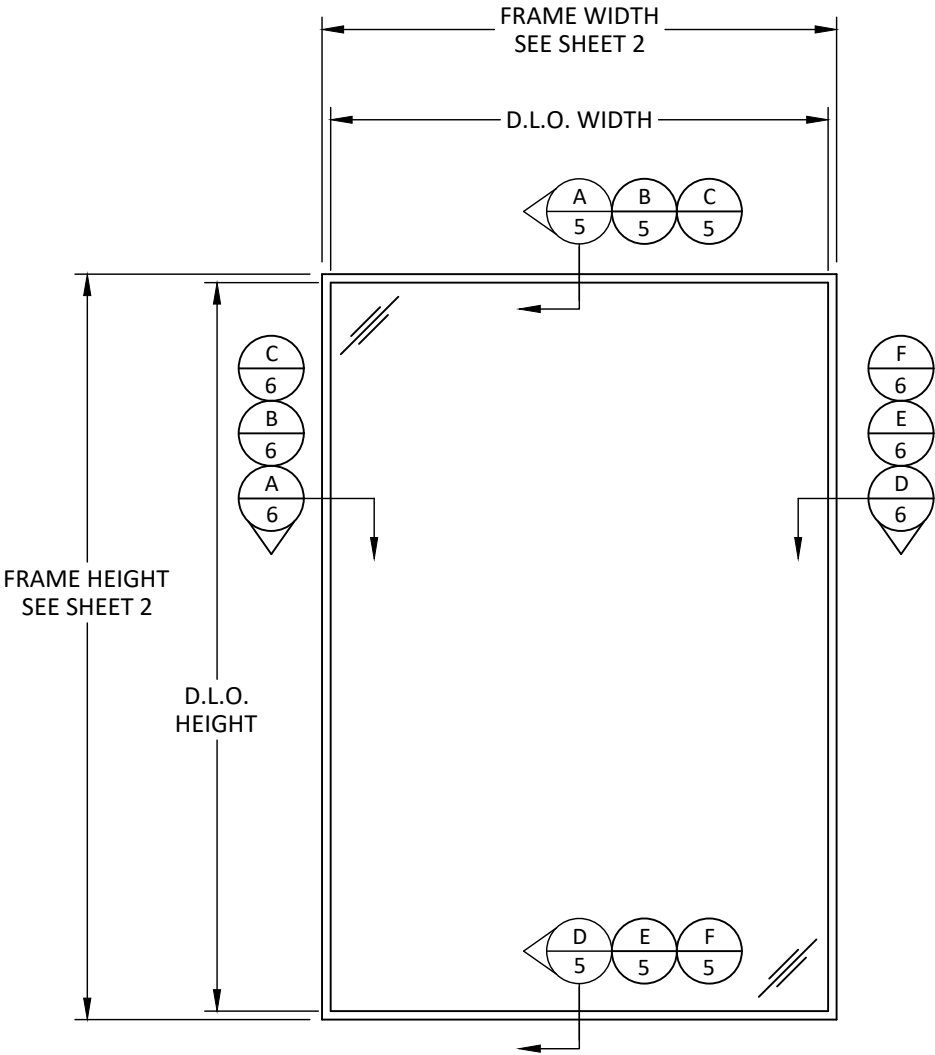
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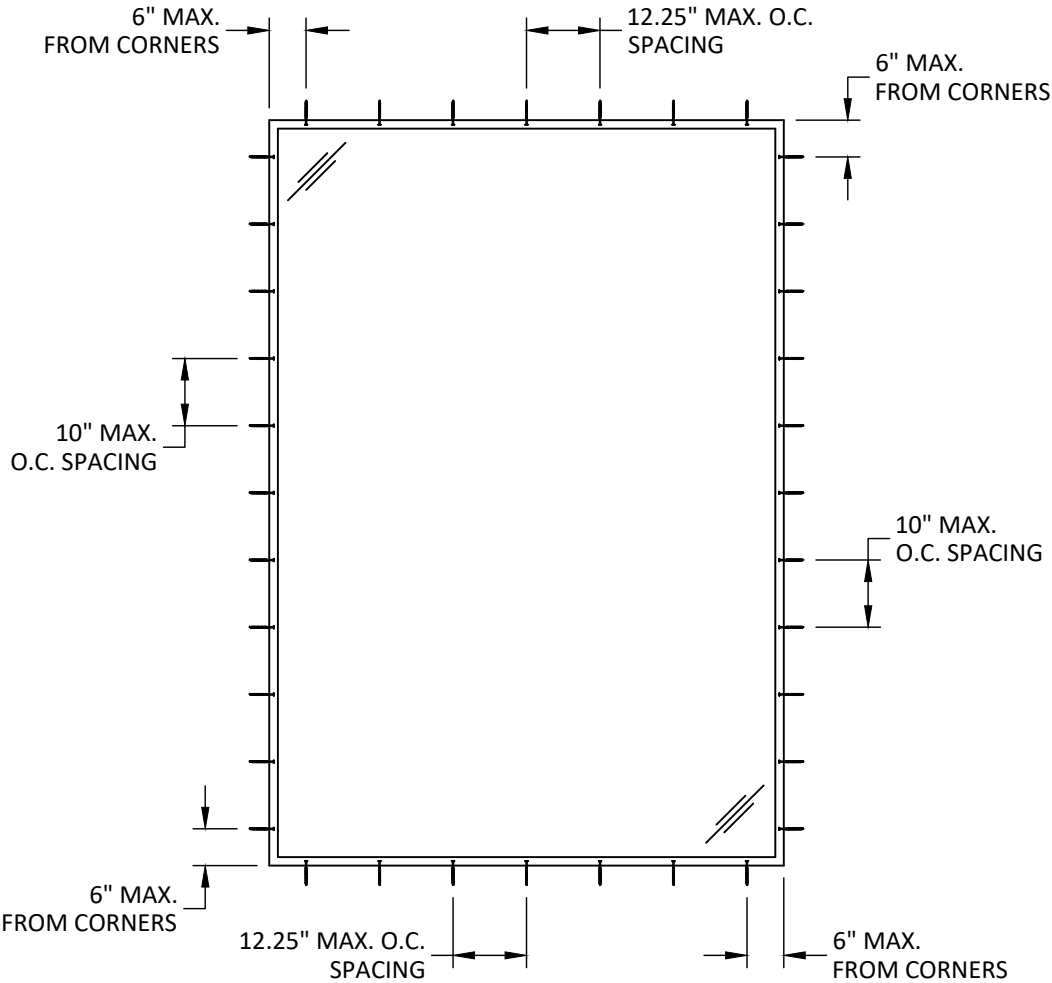
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SHEET: **3** REV. **A**



ELEVATION
FIXED WINDOW

SIZE NOTES:
D.L.O. WIDTH = FRAME WIDTH - 3.25"
D.L.O. HEIGHT = FRAME HEIGHT - 3.25"

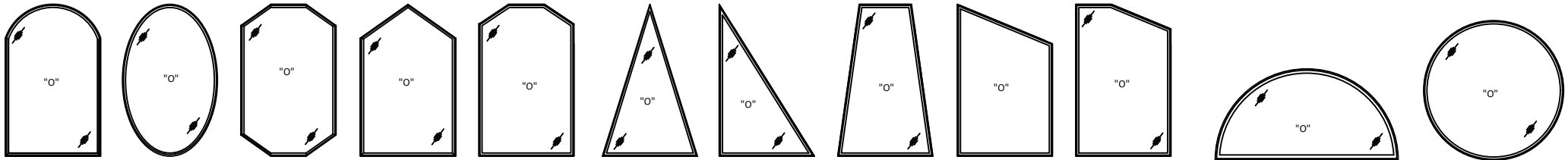


ANCHOR LAYOUT
THROUGH FRAME/THROUGH EXTENSION

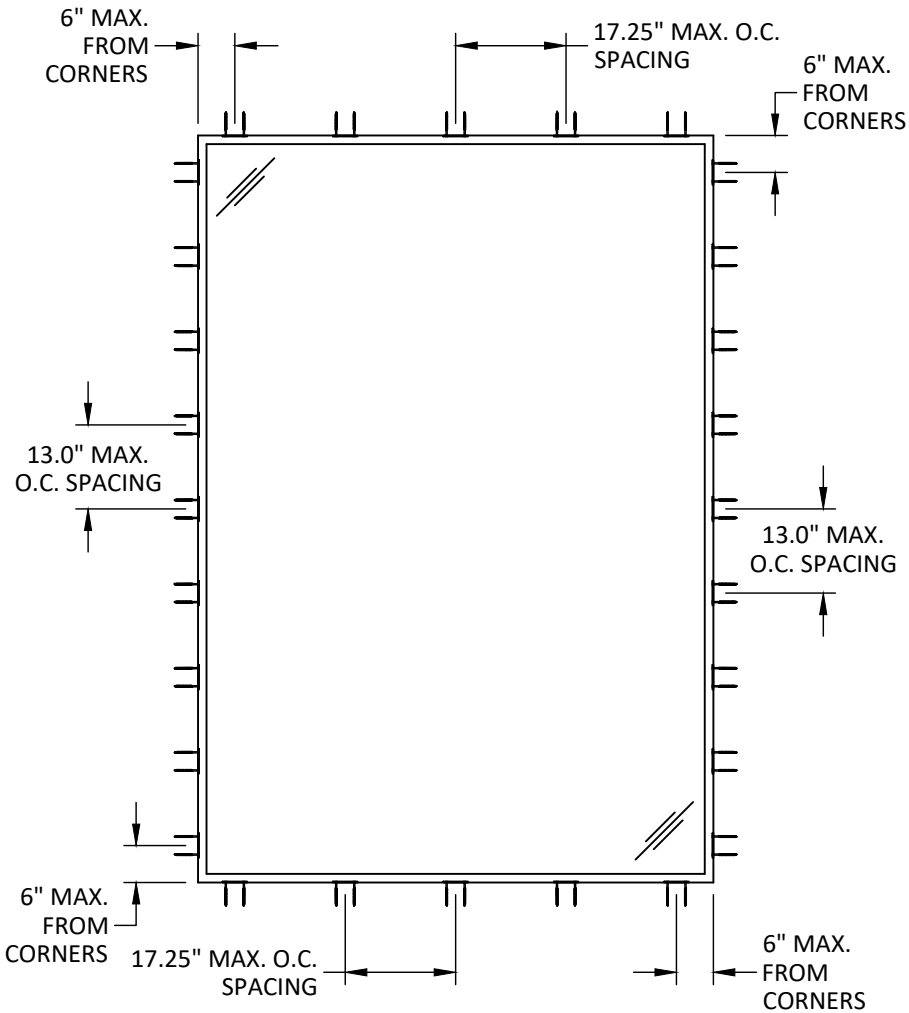
- INSTALL NOTES:
1. IF FRAME WIDTH IS LARGER THAN FRAME HEIGHT ROTATE THE ANCHOR LAYOUT 90 DEGREES FOR PROPER SPACING.
 2. SILL INSTALLATION IS NOT LIMITED TO ANGLE CLIP INSTALLATION. SILL MAY BE INSTALLED USING ANY METHOD SHOWN HEREIN.

QUALIFIED SHAPES

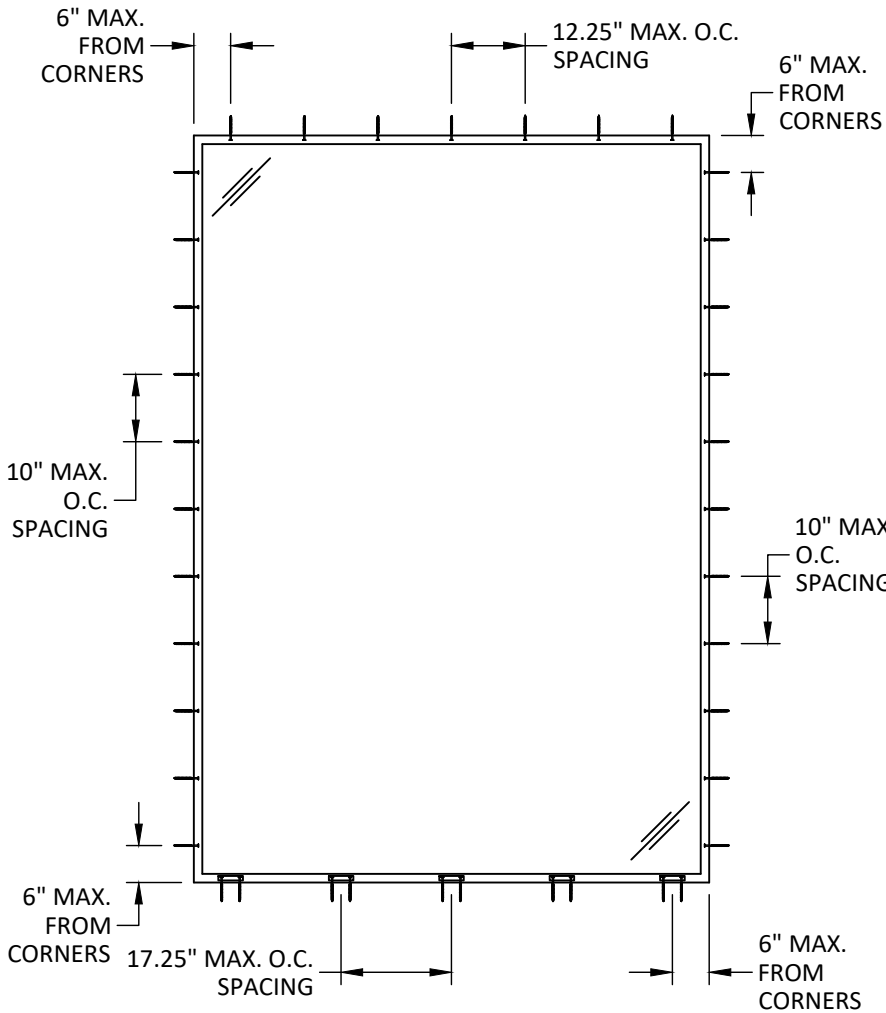
NOTE: SIZES LIMITED TO MAX.
WIDTH AND HEIGHT IN DP TABLES
ON SHEET 2.



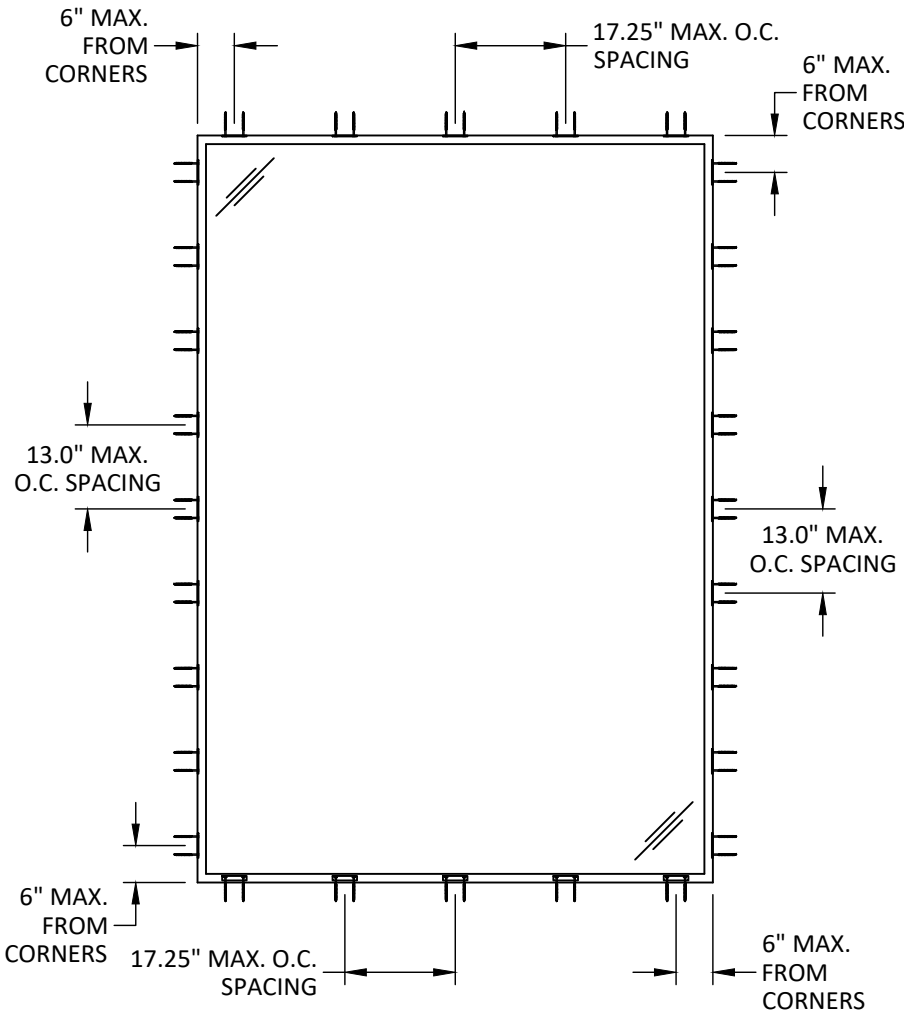
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ANCHOR LAYOUT
FLAT CLIP/ANGLE CLIP



ANCHOR LAYOUT
THROUGH FRAME/THROUGH EXTENSION - HEAD & JAMBS
ANGLE CLIP - SILL



ANCHOR LAYOUT
FLAT CLIP/ANGLE CLIP - HEAD & JAMBS
ANGLE CLIP - SILL

- INSTALL NOTES:
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ANCHOR LAYOUTS

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CHK. BY: HFN

SCALE: NTS

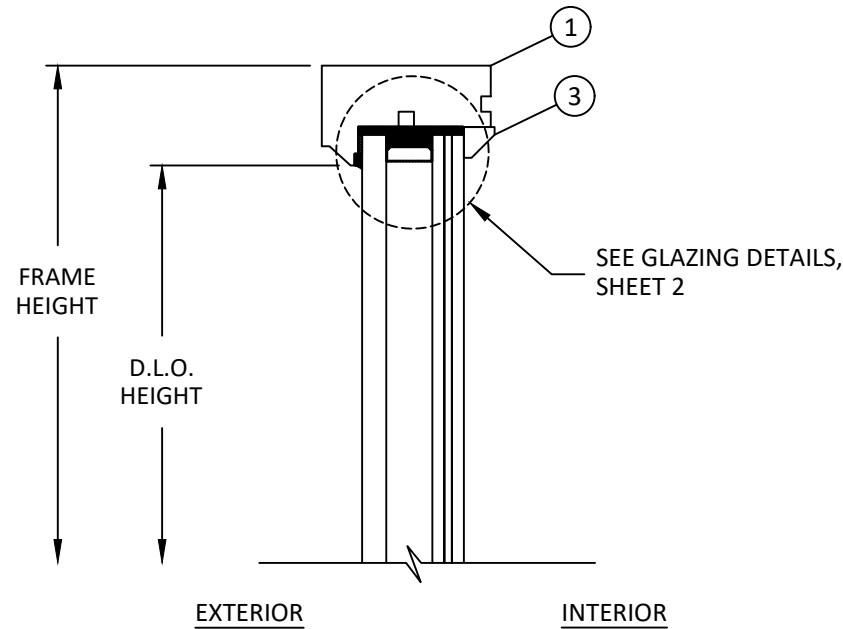
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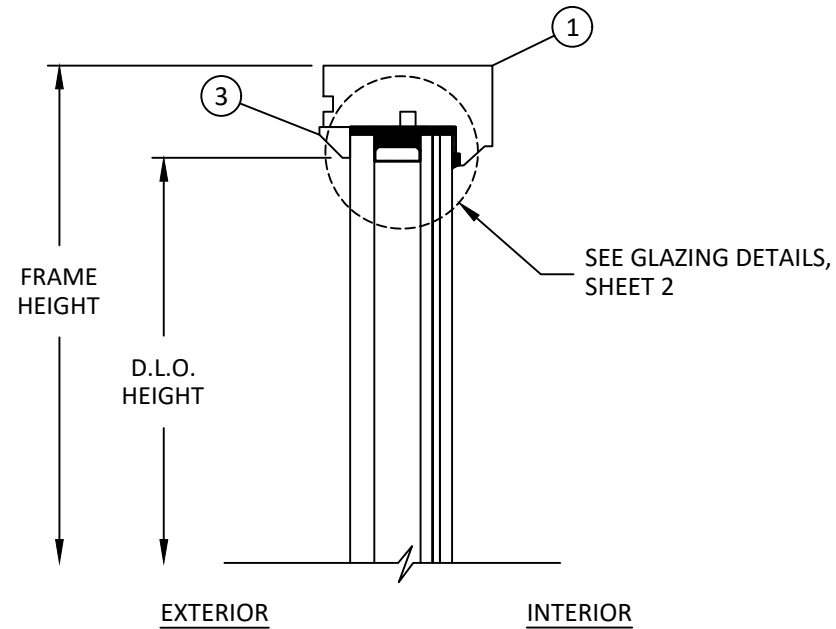
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OF 8

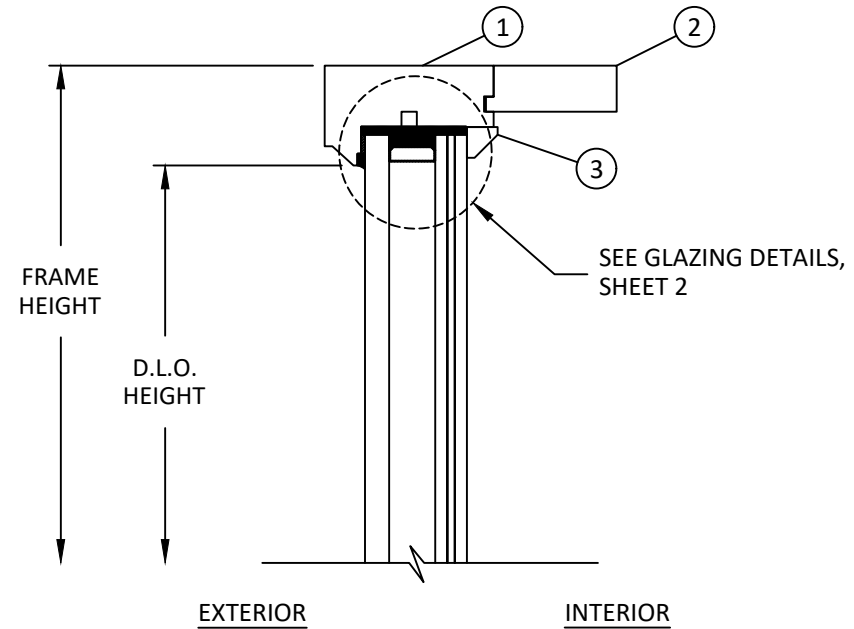
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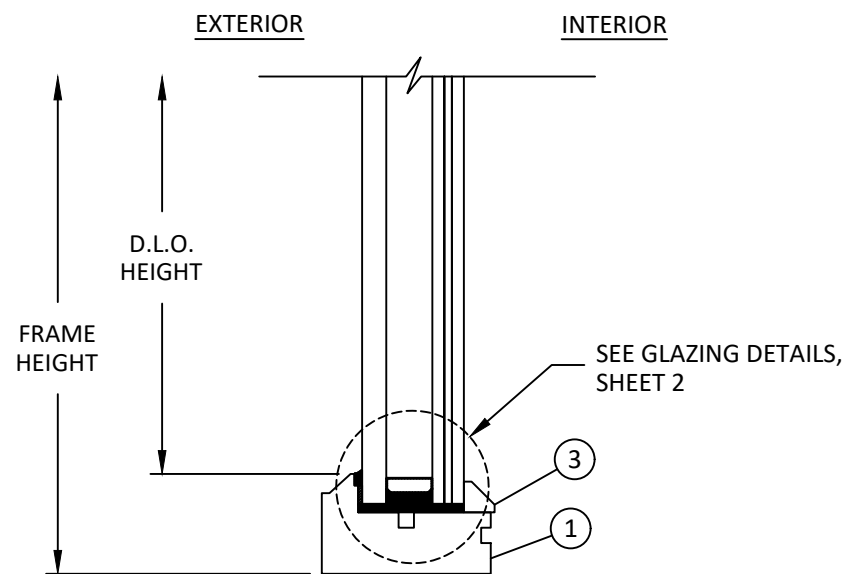
A
5 VERTICAL SECTION
HEAD
INSIDE GLAZED



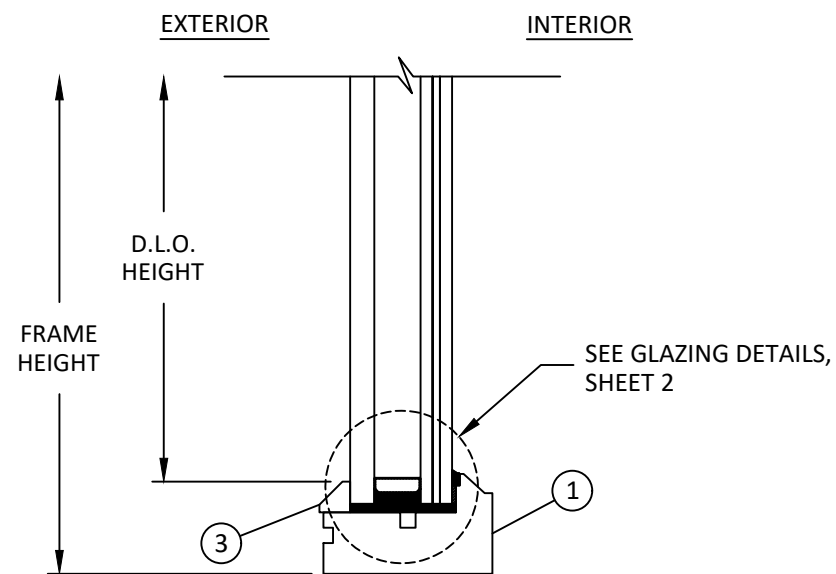
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5 VERTICAL SECTION
HEAD
OUTSIDE GLAZED



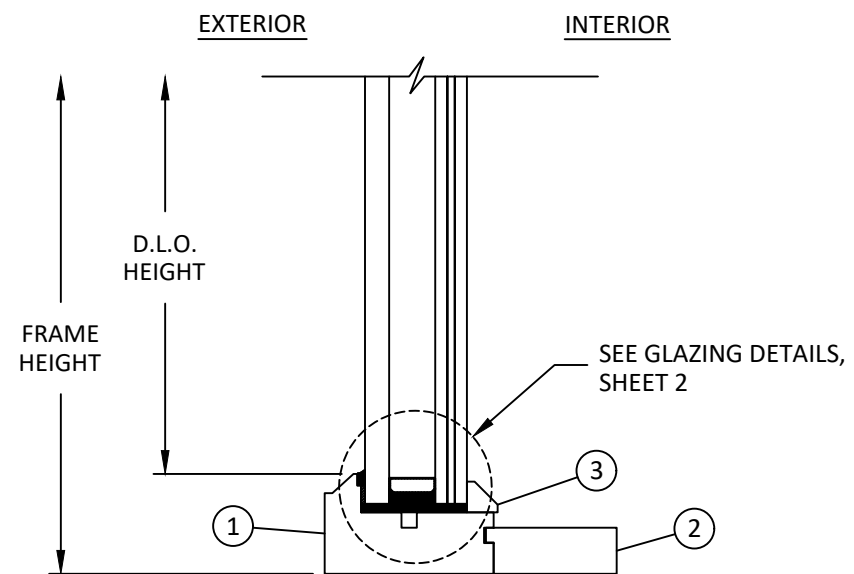
C
5 VERTICAL SECTION
HEAD W/ FRAME EXTENSION
INSIDE GLAZED



D
5 VERTICAL SECTION
SILL
INSIDE GLAZED



E
5 VERTICAL SECTION
SILL
OUTSIDE GLAZED



F
5 VERTICAL SECTION
SILL W/ FRAME EXTENSION
INSIDE GLAZED

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TITLE: RWD45 FIXED WINDOW
(WZ3) (IMPACT)

VERTICAL SECTIONS

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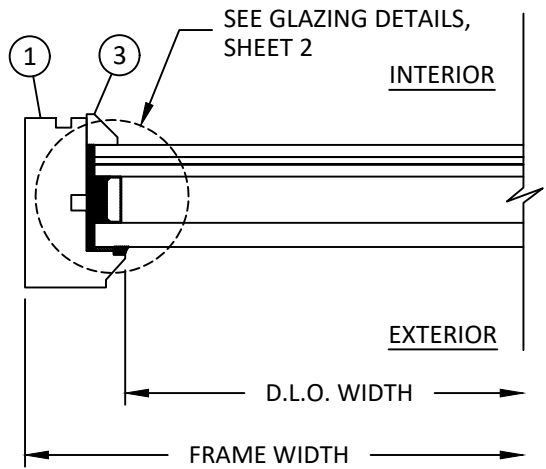
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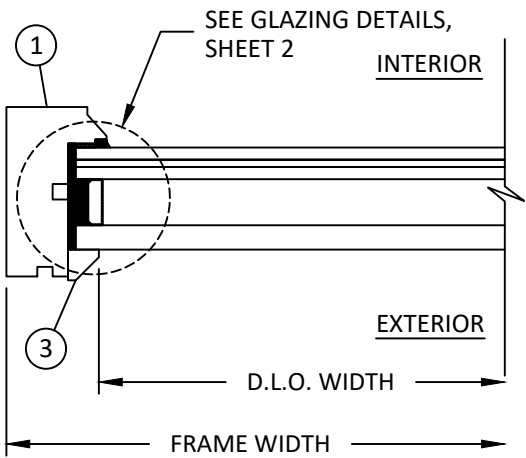


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SCALE:	NTS
DWG. #:	RWD013
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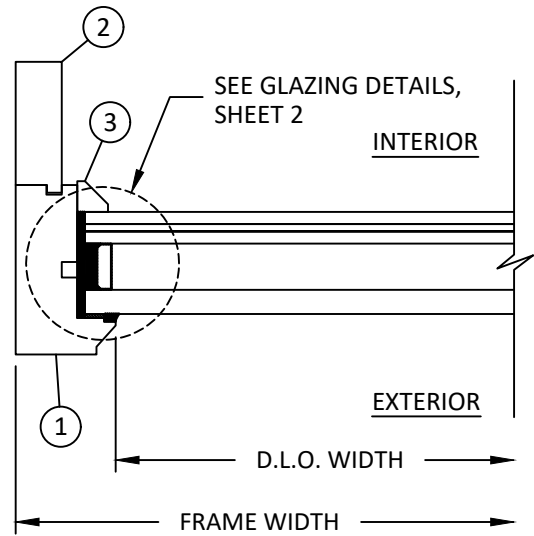
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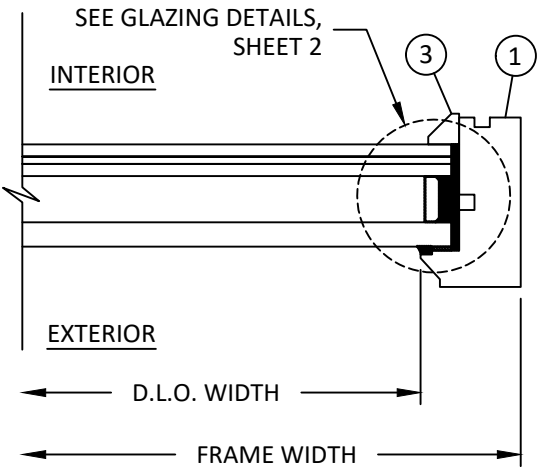
A
6 HORIZONTAL SECTION
JAMB
INSIDE GLAZED



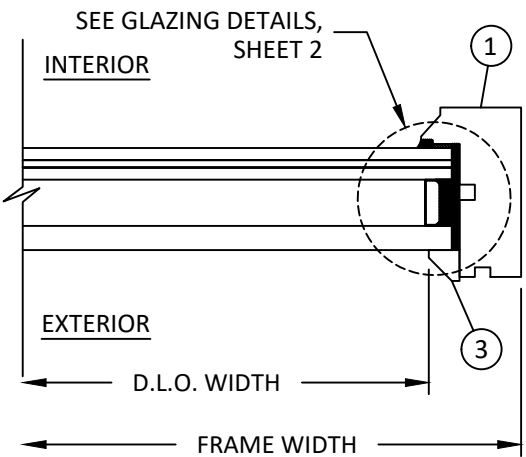
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JAMB
OUTSIDE GLAZED



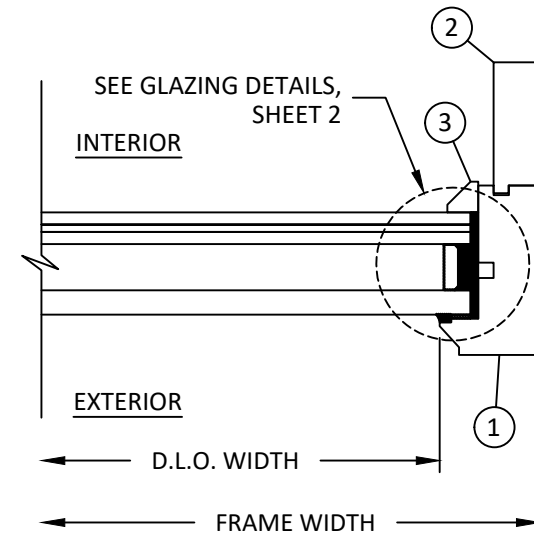
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6 HORIZONTAL SECTION
JAMB W/ FRAME EXTENSION
INSIDE GLAZED



D
6 HORIZONTAL SECTION
JAMB
INSIDE GLAZED



E
6 HORIZONTAL SECTION
JAMB
OUTSIDE GLAZED



F
6 HORIZONTAL SECTION
JAMB W/ FRAME EXTENSION
INSIDE GLAZED

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HORIZONTAL SECTIONS

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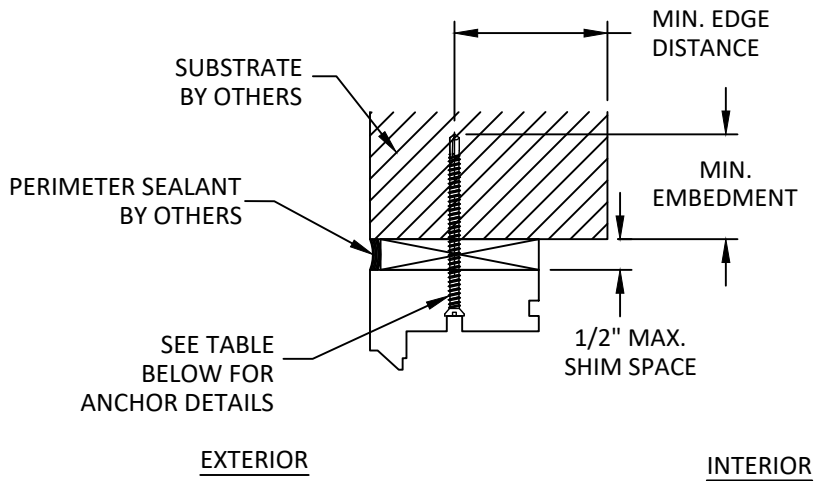
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LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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FBPE CERT. OF AUTHORIZATION No. 29578

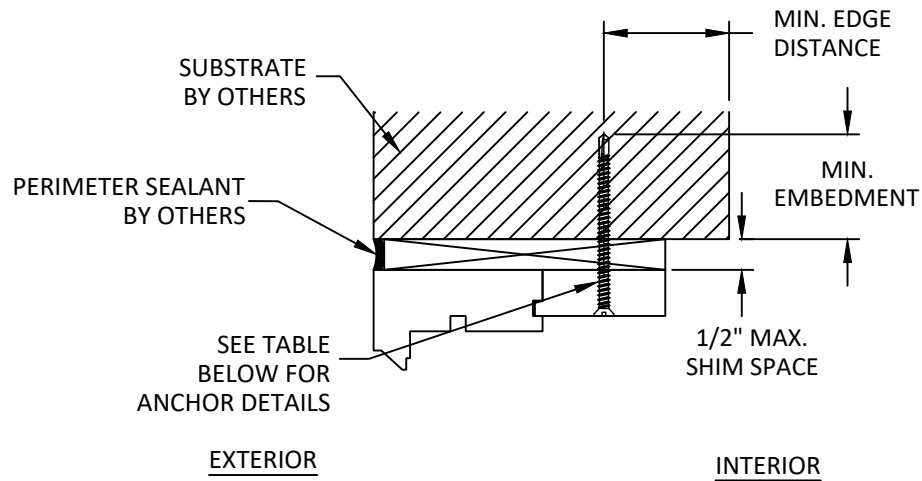
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SH	HFN
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6	A

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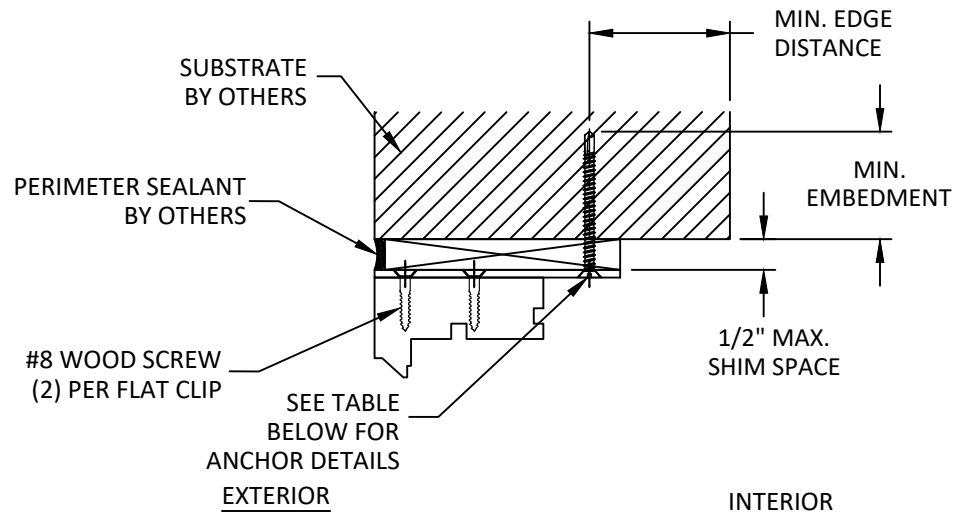
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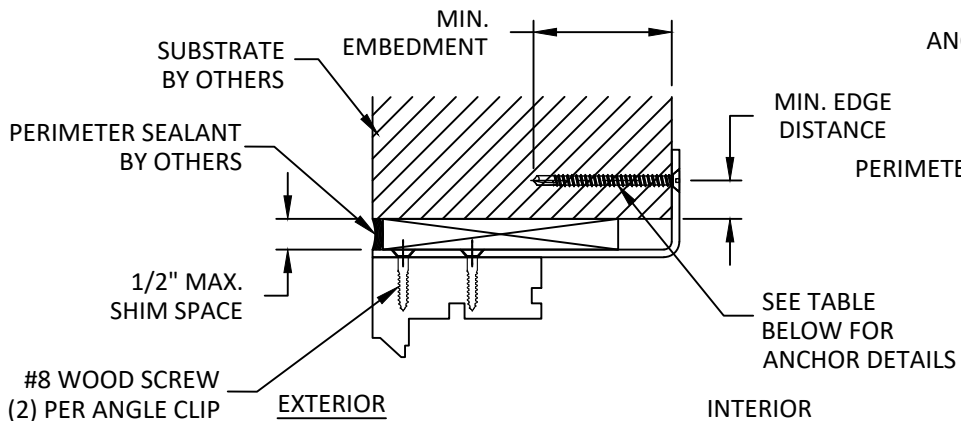
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7 VERTICAL SECTION
HEAD - THROUGH FRAME
JAMB AND SILL SIMILAR



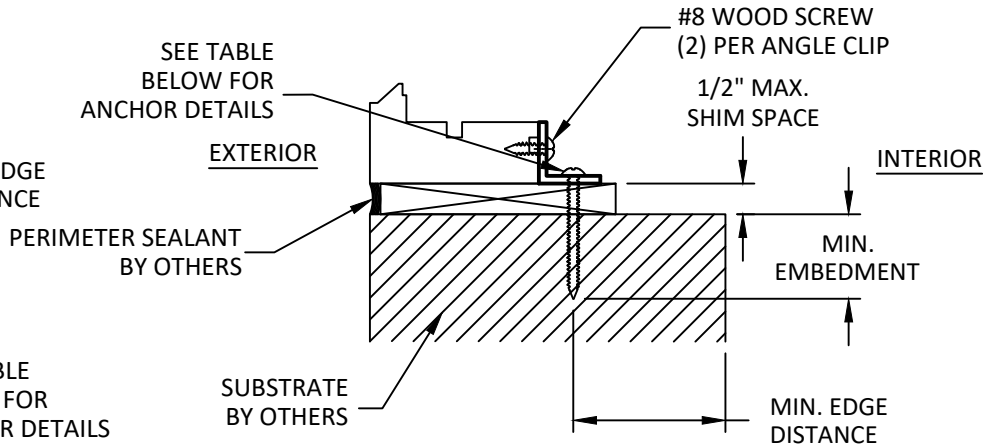
B
7 VERTICAL SECTION
HEAD - THROUGH FRAME EXTENSION
JAMB AND SILL SIMILAR



C
7 VERTICAL SECTION
HEAD - FLAT CLIP
JAMB AND SILL SIMILAR



D
7 VERTICAL SECTION
HEAD - ANGLE CLIP
JAMB AND SILL SIMILAR



E
7 VERTICAL SECTION
SILL - ANGLE CLIP
OPTIONAL

NOTE: OUTSIDE GLAZED SIMILAR.

NOTE: OUTSIDE GLAZED SIMILAR.

ANCHOR SCHEDULE					
METHOD	QUANTITY PER LOCATION	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME/ THROUGH EXTENSION	1	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.50"	0.75"
		METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#12 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"
		CONCRETE: f'c=3000PSI	1/4" ITW TAPCON	1.25"	2.50"
		MASONRY: CMU per ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON	1.00"	2.50"
FLAT CLIP/ ANGLE CLIP	2	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	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	0.50"
		CONCRETE: f'c=3000PSI	3/16" ITW TAPCON	1.25"	2.00"
		MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1.00"	2.00"

ANCHOR SCHEDULE - SILL CLIP (OPTIONAL)					
METHOD	QUANTITY PER LOCATION	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
SILL CLIP	2	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	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	0.50"
		CONCRETE: f'c=3000PSI	3/16" ITW TAPCON	1.25"	2.00"
		MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1.00"	2.00"

REILLY
ARCHITECTURAL

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

TITLE: RWD45 FIXED WINDOW
(WZ3) (IMPACT)

ANCHOR DETAILS &
ANCHOR SCHEDULE

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



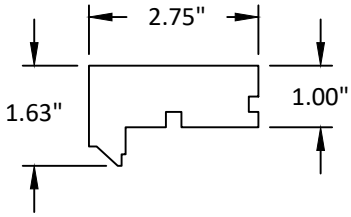
REMARKS	BY	DATE
2026 FBC UPDATE	LS	06/26

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.

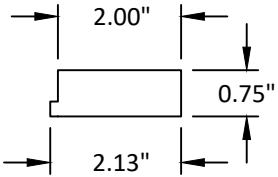


FL #:	FL47185	
DATE:	12.06.2024	
DWG. BY:	SH	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	RWD013	
SHEET:	7	REV. A
OF 8		

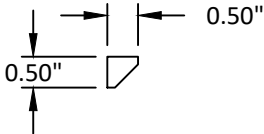
BILL OF MATERIALS				
ITEM	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	-	FRAME	MAHOGANY	REILLY
2	-	FRAME EXTENSION	MAHOGANY	REILLY
3	-	GLASS STOP	MAHOGANY	REILLY
4	-	FLAT CLIP	6061-T6	REILLY
5	-	ANGLE CLIP	304 SS	REILLY
6	-	SILL ANGLE CLIP	304 SS	REILLY



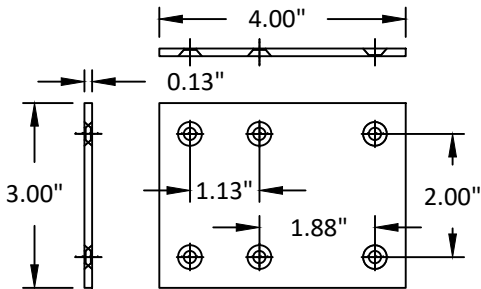
1 FRAME
MAHOGANY



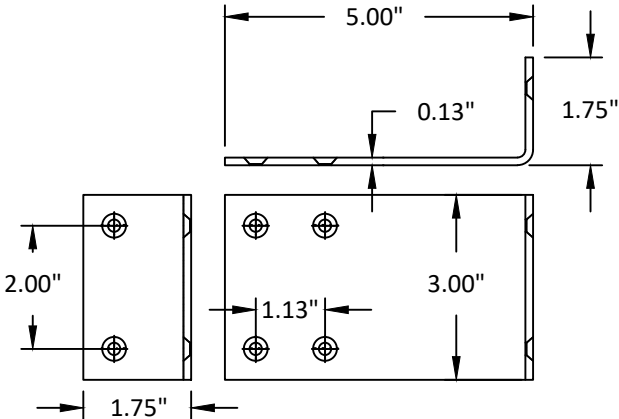
2 FRAME EXTENSION
MAHOGANY



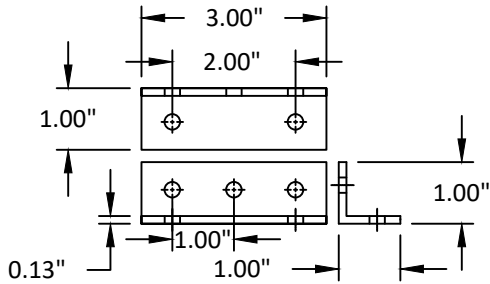
3 GLASS STOP
MAHOGANY



4 FLAT CLIP
ALUMINUM



5 ANGLE CLIP
304 STAINLESS STEEL



6 SILL ANGLE CLIP
304 STAINLESS STEEL

REILLY ARCHITECTURAL

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

TITLE: RWD45 FIXED WINDOW
(WZ3) (IMPACT)

BILL OF MATERIALS &
COMPONENTS

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SH	HFN	
SCALE:		NTS
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SHEET:		8
		REV. A
		OF 8