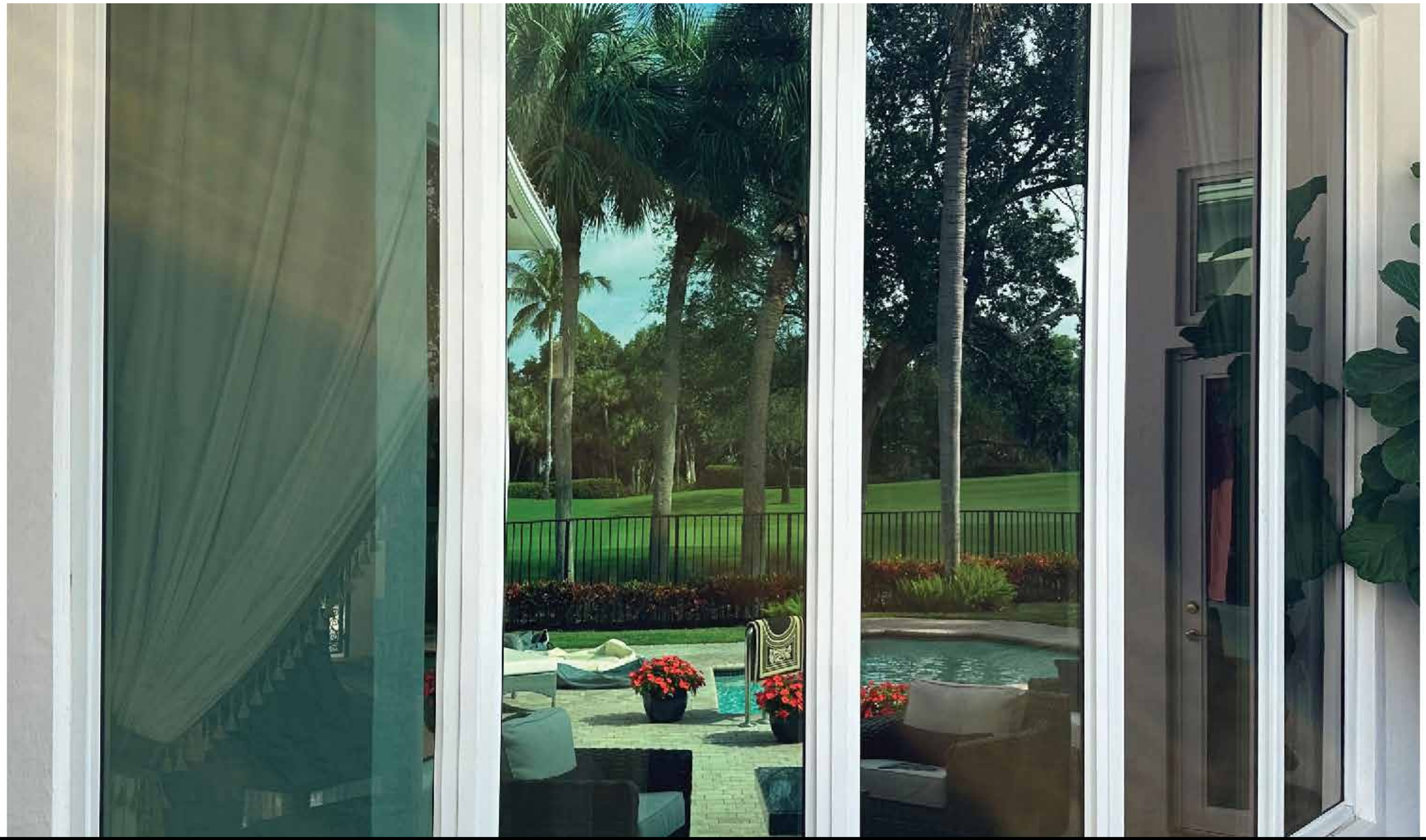
Series 3082 - Fixed Window Installation Manual

GLOBAL IMPACT PRODUCTS
MANUFACTURER WINDOWS & DOORS



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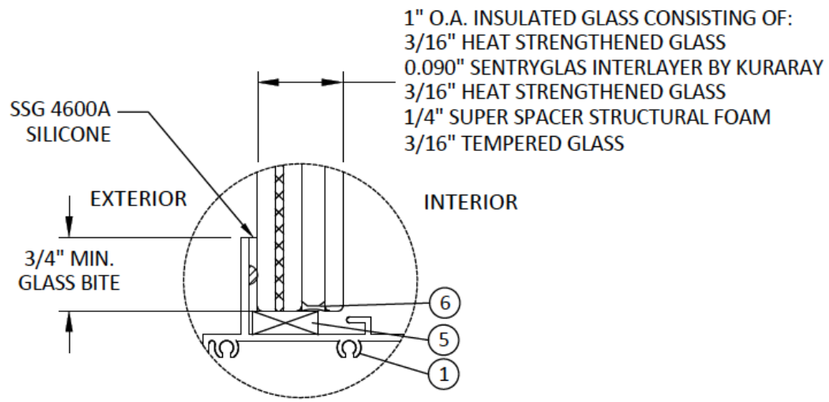
GLOBAL IMPACT PRODUCTS
MANUFACTURER WINDOWS & DOORS

GENERAL NOTES:

1. 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
   - ASTM E331-00(09)
   - ASTM E283-19
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.
7. WINDOW FRAME MATERIAL: ALUMINUM (6063-T5)
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.

DESIGN RATING				
OVERALL SIZE		CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
SEE SHEET 2		"O"	SEE SHEET 2	LARGE & SMALL MISSILE IMPACT RATED

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND GLAZING DETAIL
2	ELEVATION AND DESIGN PRESSURE TABLE
3	ANCHOR LAYOUT AND ANCHOR SCHEDULE
4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS
6	ANCHOR DETAILS AND INSTALLATION NOTES
7	COMPONENTS AND BILL OF MATERIALS



GLAZING DETAIL 1

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.

NOTE: WINDOW WAS TESTED WITHOUT GLAZING BEAD. GLAZING BEAD IS OPTIONAL & NOT REQUIRED

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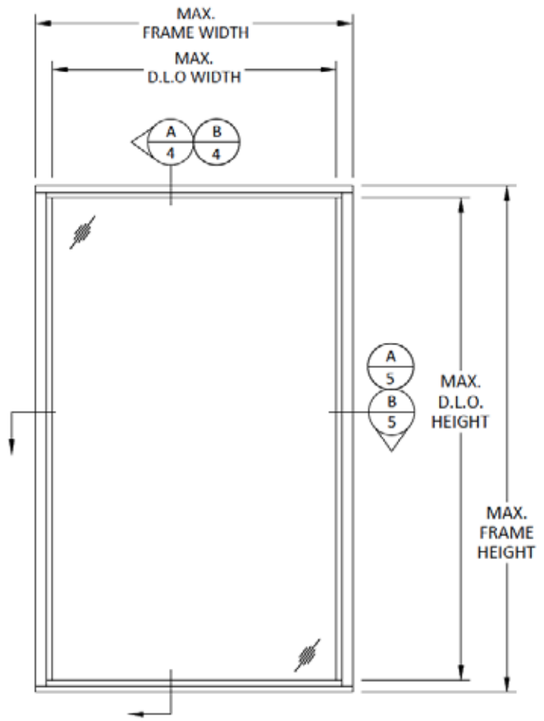
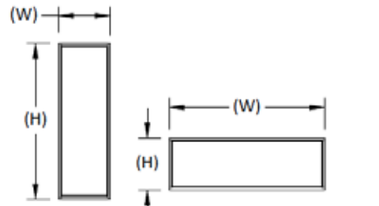


ELEVATION

FIXED WINDOW - D.L.O. DIMENSIONS:

D.L.O. HEIGHT: FRAME HEIGHT - 4-1/16"
D.L.O. WIDTH: FRAME WIDTH - 4-1/16"

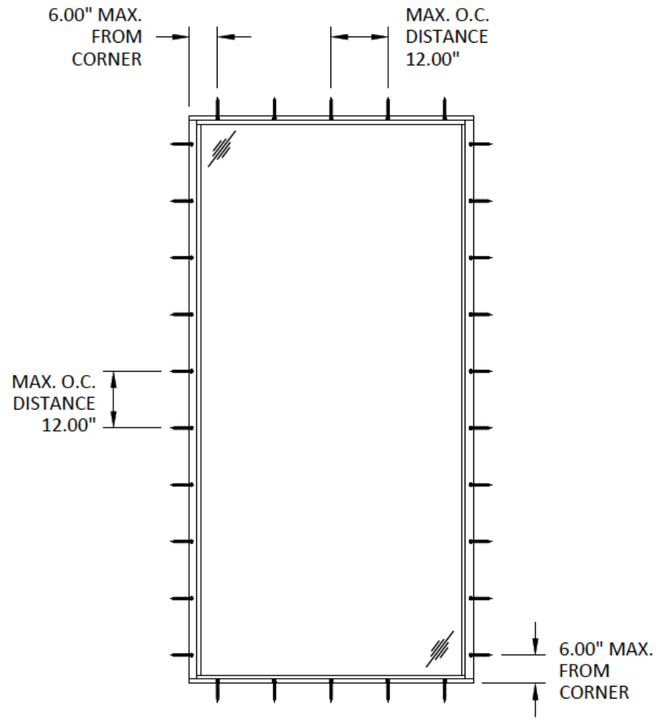


NOTE:
WINDOW WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR ALL SIZES SHOWN HEREIN NOT TO EXCEED MAXIMUM TESTED SQUARE FOOT AREA. ANCHOR SPACING SHALL NOT EXCEED THOSE SHOWN FOR LONG OR SHORT LEG OF UNIT.

SERIES 3082 - FIXED WINDOW DESIGN PRESSURE TABLE (+/- PSF)

FRAME HEIGHT (IN.)	FRAME WIDTH (IN.)																					
	36		42		48		54		60		66		72		78		84		90		96	
	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
48	110.0	120.0	110.0	120.0	110.0	120.0	110.0	120.0	110.0	120.0	110.0	120.0	110.0	120.0	110.0	120.0	110.0	120.0	110.0	120.0	110.0	120.0
54	110.0	120.0	110.0	120.0	110.0	120.0	97.8	106.7	97.8	106.7	97.8	106.7	97.8	106.7	97.8	106.7	97.8	106.7	-	-	-	-
60	110.0	120.0	110.0	120.0	110.0	120.0	97.8	106.7	88.0	96.0	88.0	96.0	88.0	96.0	-	-	-	-	-	-	-	-
66	110.0	120.0	110.0	120.0	110.0	120.0	97.8	106.7	88.0	96.0	80.0	87.3	-	-	-	-	-	-	-	-	-	-
72	110.0	100.0	110.0	120.0	110.0	120.0	97.8	106.7	88.0	96.0	-	-	-	-	-	-	-	-	-	-	-	-
78	110.0	120.0	110.0	120.0	110.0	120.0	97.8	106.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
84	110.0	120.0	110.0	120.0	110.0	120.0	97.8	106.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90	110.0	120.0	110.0	120.0	110.0	120.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96	110.0	120.0	110.0	120.0	110.0	120.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
102	110.0	120.0	110.0	120.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108	110.0	120.0	110.0	120.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114	110.0	120.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120	110.0	120.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
126	110.0	120.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

GLOBAL IMPACT PRODUCTS
MANUFACTURER WINDOWS & DOORS



ANCHOR LAYOUT
THROUGH FRAME

ANCHOR SCHEDULE - SERIES 3082 FIXED ALUMINUM WINDOW				
INST. METHOD	ANCHOR TYPE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	#14 WOOD SCREW	WOOD (S.G. = 0.55)	1.50"	0.75"
	1/4" SELF-TAPPING SCREW"	MIN. 18 GA. STEEL (33KSI)/ ALUMINUM 1/8" MIN. THK. 6063-T5	THREE (3) THREADS MIN. PENETRATION BEYOND METAL FACE	0.75"
	1/4" ULTRACON+	CONCRETE: f'c = 3000 PSI	1.25"	2.00"
	1/4" ULTRACON+	MASONRY : CMU PER ASTM-C90, MIN. 2000 PSI	1.75"	2.00"

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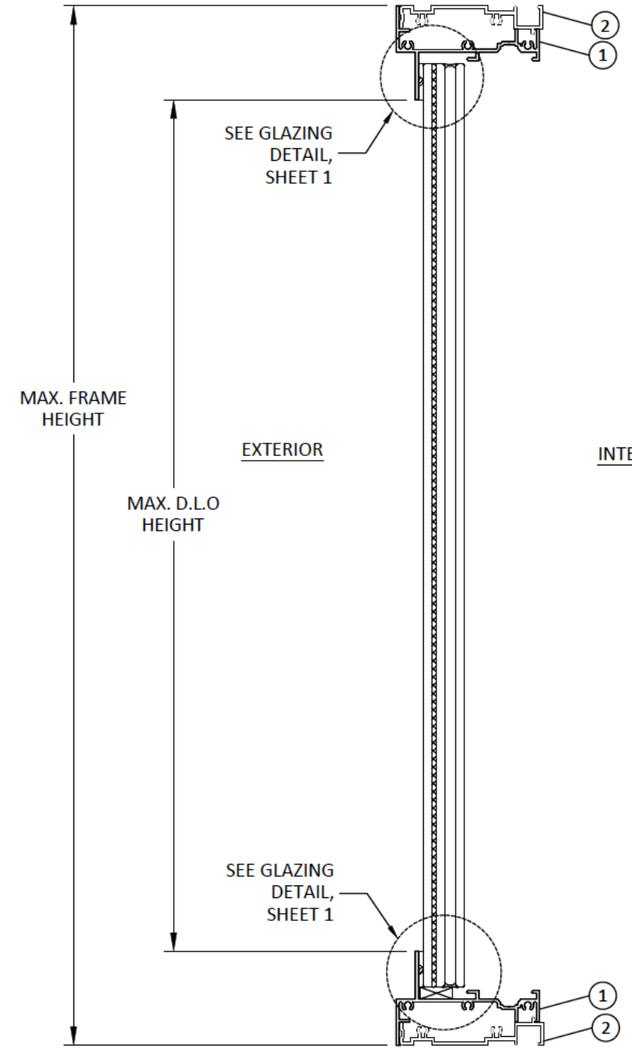
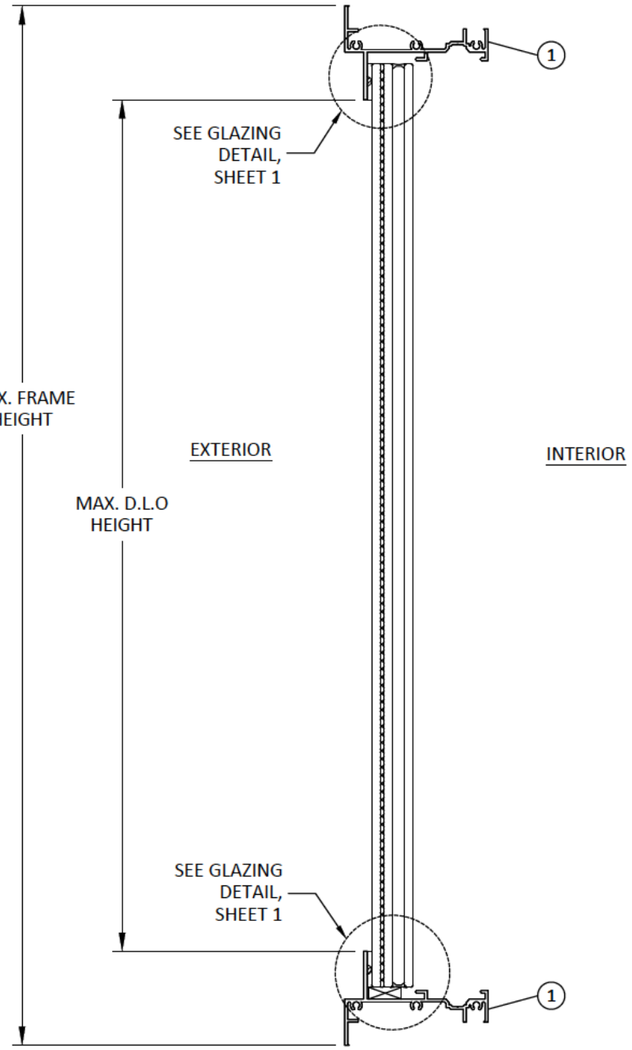
GLOBAL IMPACT PRODUCTS
MANUFACTURER WINDOWS & DOORS

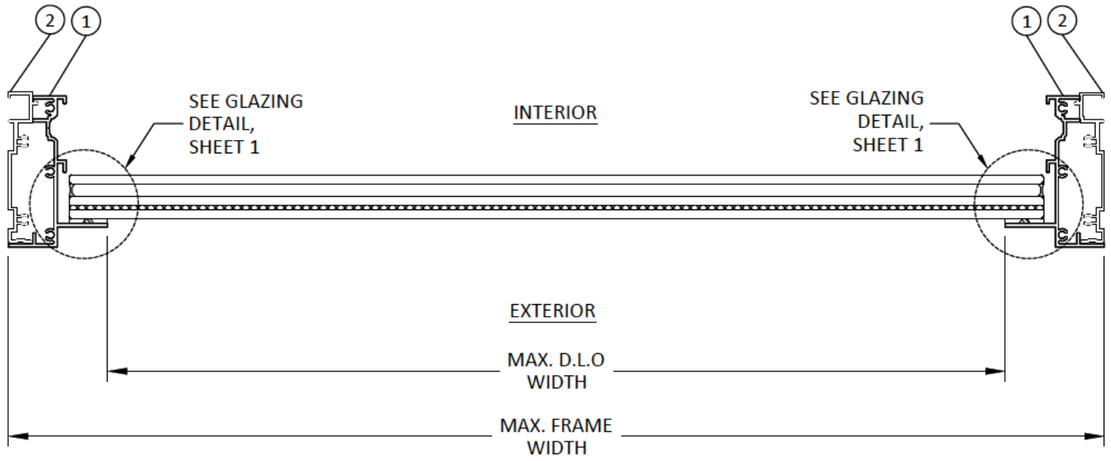


A/4 VERTICAL SECTION
TYP. HEAD/SILL
WITH FLUSH ADAPTER

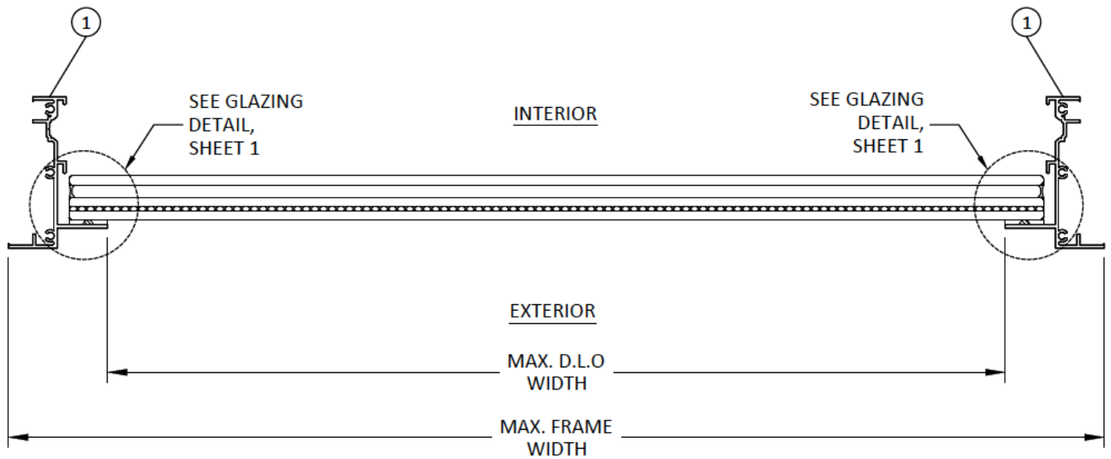


B/4 VERTICAL SECTION
TYP. HEAD/SILL
WITHOUT FLUSH ADAPTER

GLOBAL IMPACT PRODUCTS
MANUFACTURER WINDOWS & DOORS



A/5 HORIZONTAL SECTION
TYP. JAMB
WITH FLUSH ADAPTER



B/5 HORIZONTAL SECTION
TYP. JAMB
WITHOUT FLUSH ADAPTER

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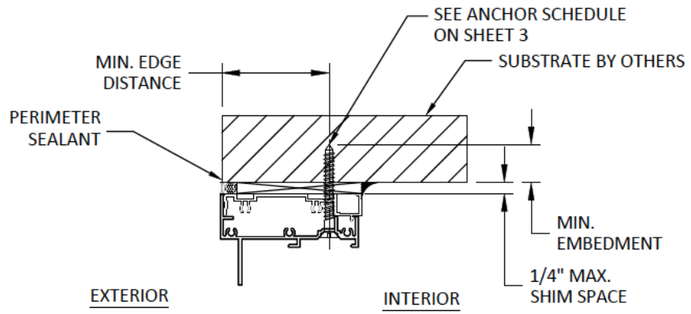
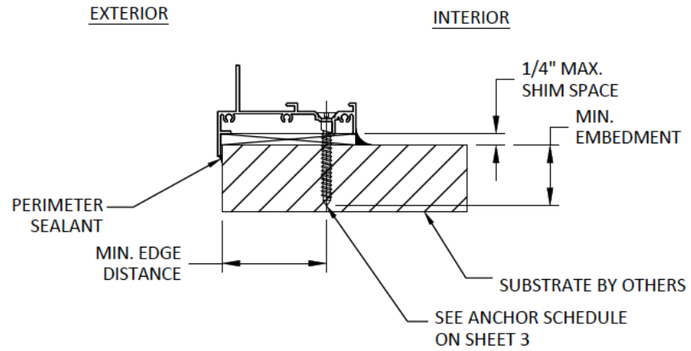
MANUFACTURER WINDOWS & DOORS



A/6 VERTICAL SECTION
TYP. HEAD INSTALLATION W/ FLUSH ADAPTER THROUGH FRAME

NOTE: HEAD DETAIL SHOWN, SILL AND JAMB DETAIL ARE SIMILAR.



B/6 HORIZONTAL SECTION
TYP. SILL INSTALLATION W/O FLUSH APATER THROUGH FRAME

NOTE: SILL DETAIL SHOWN, JAMB AND HEAD INSTALLATION SIMILAR.

INSTALLATION NOTES:

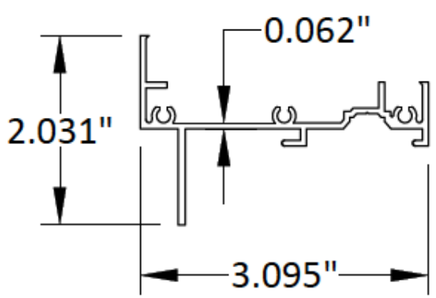
1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 3.
2. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2" INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES 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 1/4 INCH. SHIM(S) 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 - SERIES 3082 FIXED ALUMINUM WINDOW				
INST. METHOD	ANCHOR TYPE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	#14 WOOD SCREW	WOOD (S.G. = 0.55)	1.50"	0.75"
	1/4" SELF-TAPPING SCREW"	MIN. 18 GA. STEEL (33KSI)/ ALUMINUM 1/8" MIN. THK. 6063-T5	THREE (3) THREADS MIN. PENETRATION BEYOND METAL FACE	0.75"
	1/4" ULTRACON+	CONCRETE: f'c = 3000 PSI	1.25"	2.00"
	1/4" ULTRACON+	MASONRY : CMU PER ASTM-C90, MIN. 2000 PSI	1.75"	2.00"

GLOBAL IMPACT PRODUCTS
MANUFACTURER WINDOWS & DOORS

BILL OF MATERIALS				
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
1	021-024	FRAME	6063-T5	-
2	021-109	FLUSH ADAPTER	6063-T5	-
3	012-003	SSG 4600A	SILICONE	G.E
4	008-014	#8 X1 PHPH SMS	ST/ST	-
5	015-008	1 / 2XL / 4XL / SETTING BLOCK	NEOPRENE	FRANK LOWE RUBBR
6	015-006	0.150 SPACER	VINYL	FRANK LOWE RUBBR
7	012-001	SEAM SEALER	ACRYLIC	SCHNEE MOREHEAD

1 FRAME



2 FLUSH ADAPTER (OPTIONAL)