

AWILUX POLSKA SP. Z O.O SP.K.

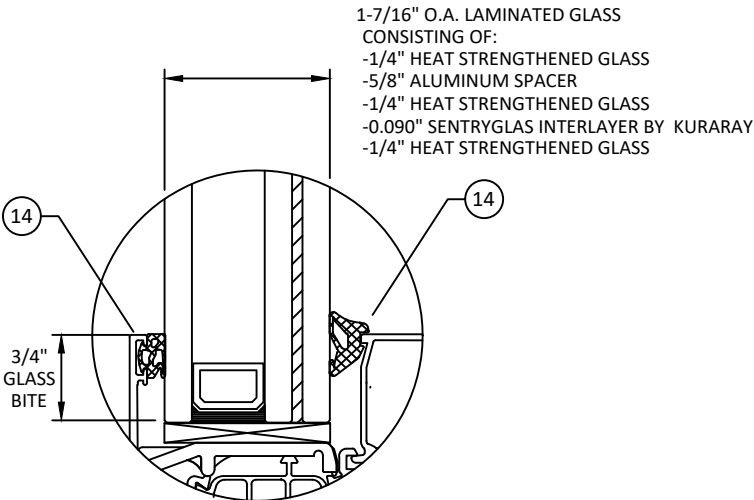
CS77 TILT AND TURN WINDOW

(HVHZ)(IMPACT)

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, 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. DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 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.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: 6060-T66
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

- 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.



GLAZING DETAIL 1

DESIGN PRESSURE RATING (PSF)					
CONFIG.	FRAME O.A. SIZE (IN.)	SASH O.A. SIZE (IN.)	D.L.O. O.A. SIZE (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
O/X/X/X	194.50"x96.50"	45.3"x93.75"	37.94"x86.38"	+/- 65	LARGE/SMALL IMPACT

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TITLE: CS77 TILT AND TURN WINDOW (HVHZ)(IMPACT)
GENERAL NOTES & GLAZING DETAILS

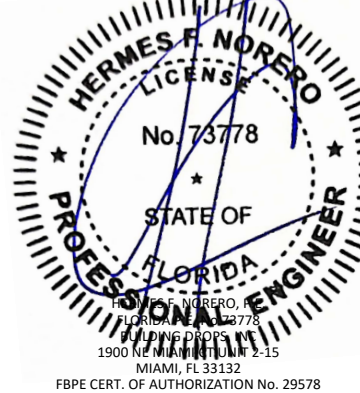
PREPARED BY: BUILDING DROPS, INC.
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MIAMI, FL 33132
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WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.02.26 15:05:32 -05'00'



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DATE: **02.10.24**

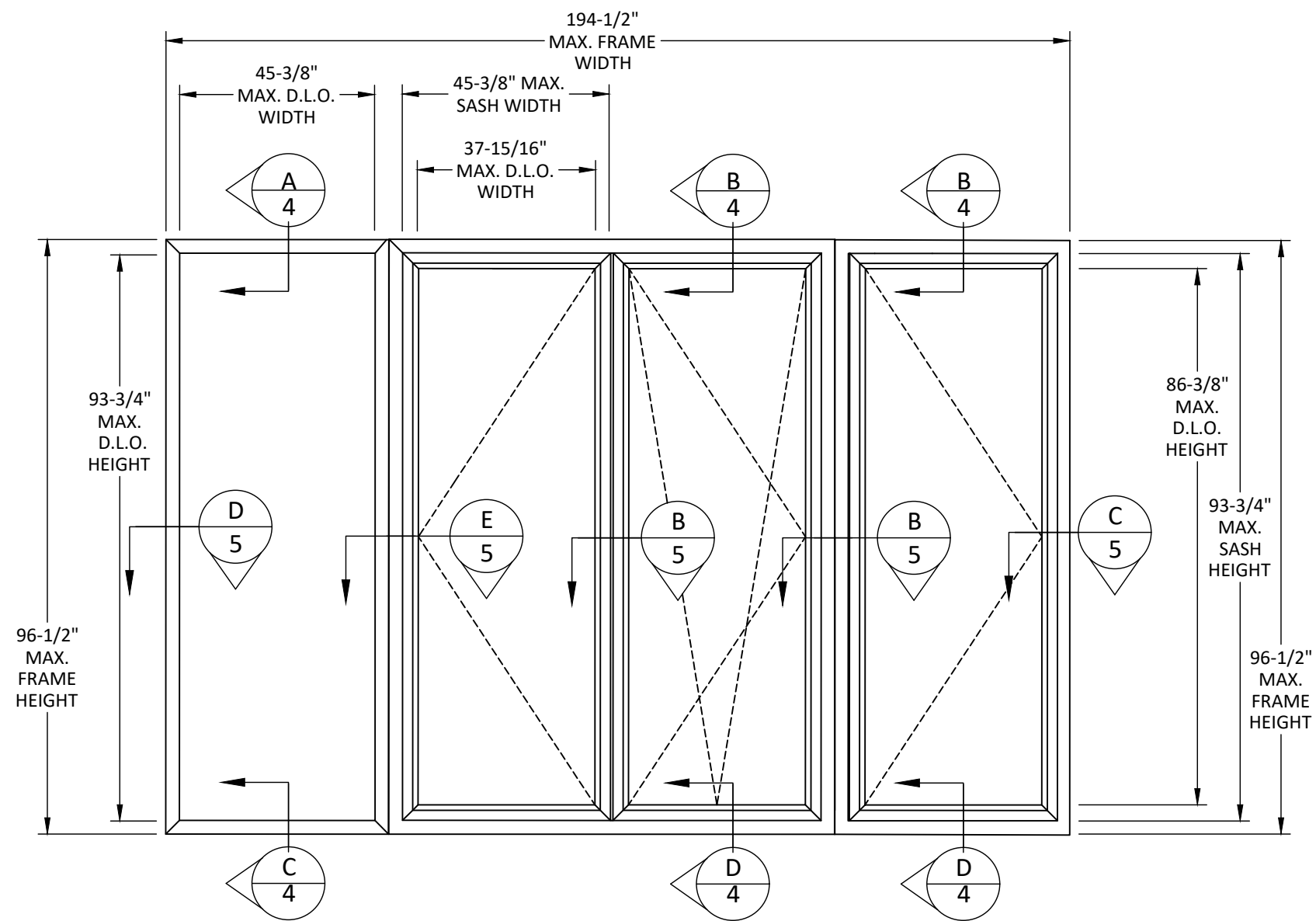
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SCALE: **NTS**

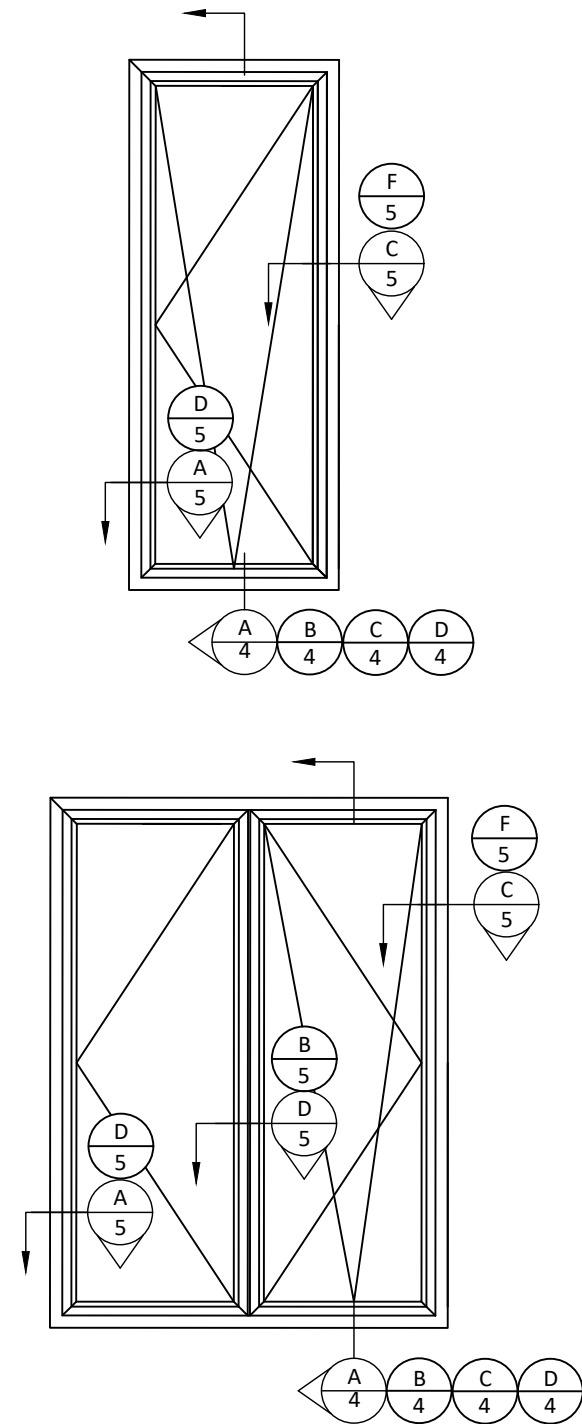
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SHEET: **1** OF 7

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ELEVATION



ALTERNATE CONFIGURATIONS



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ELEVATION & ALTERNATE CONFIGURATIONS

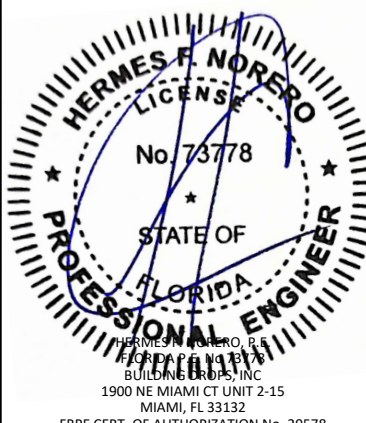
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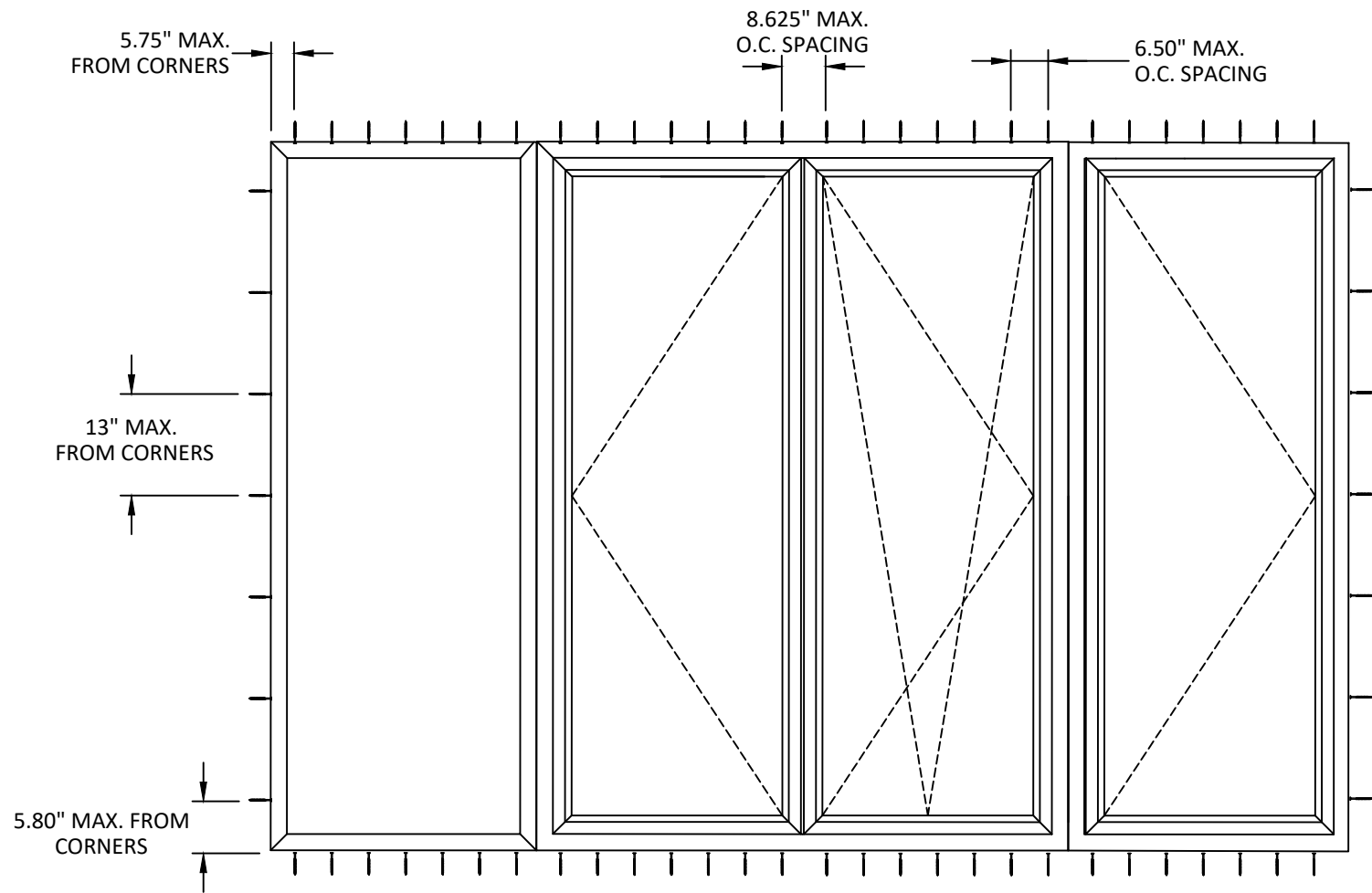
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ANCHOR LAYOUT
MULLION - THROUGH FRAME

2 ANCHORS PER STRAP
LOCATION.



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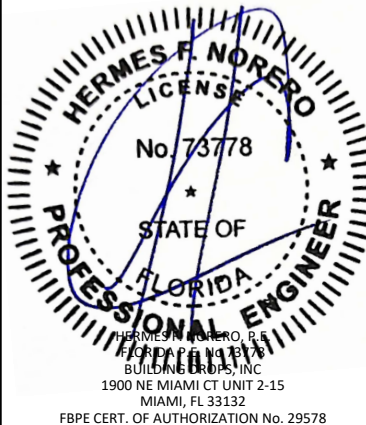
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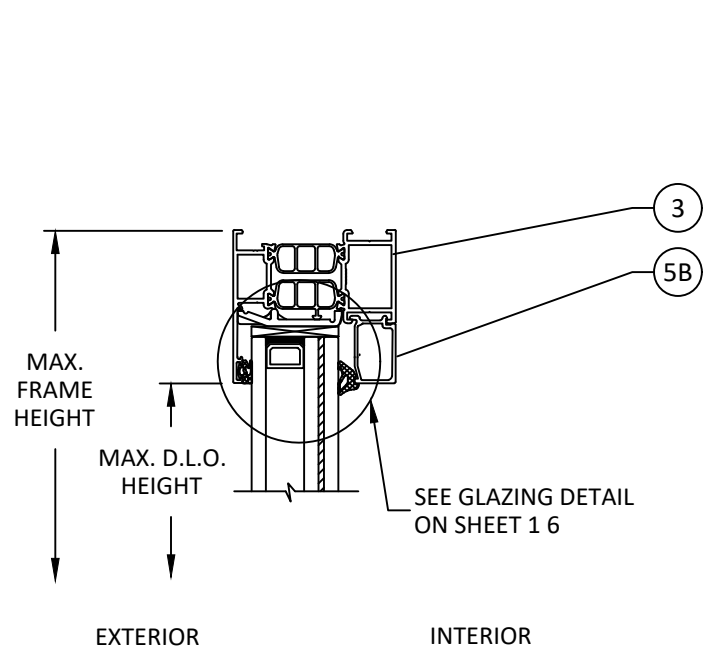
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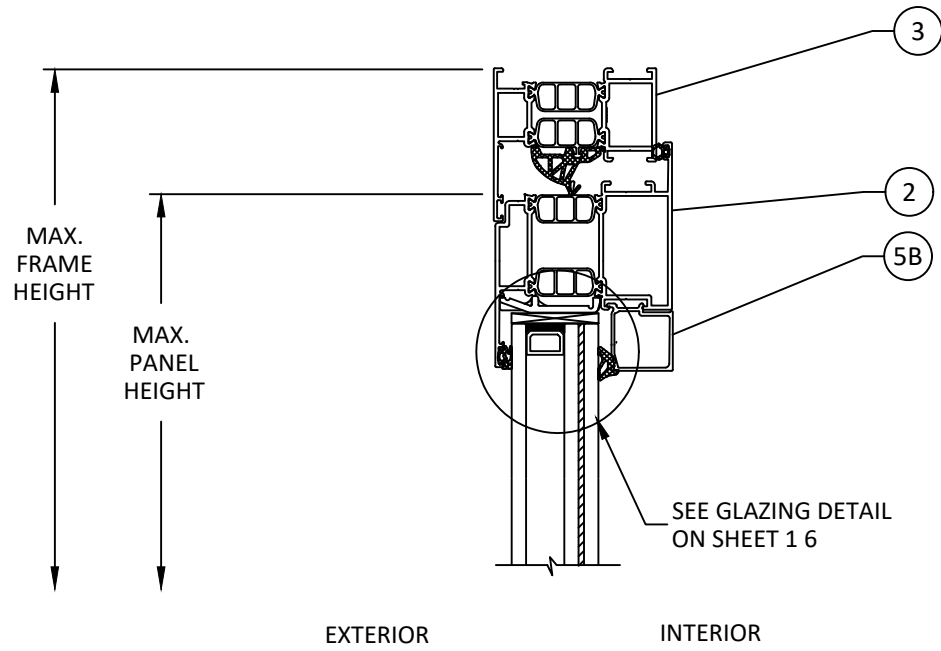


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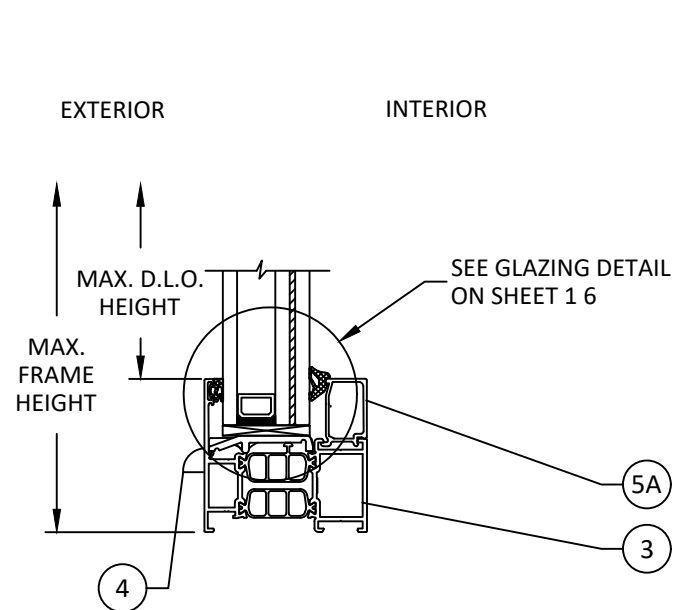
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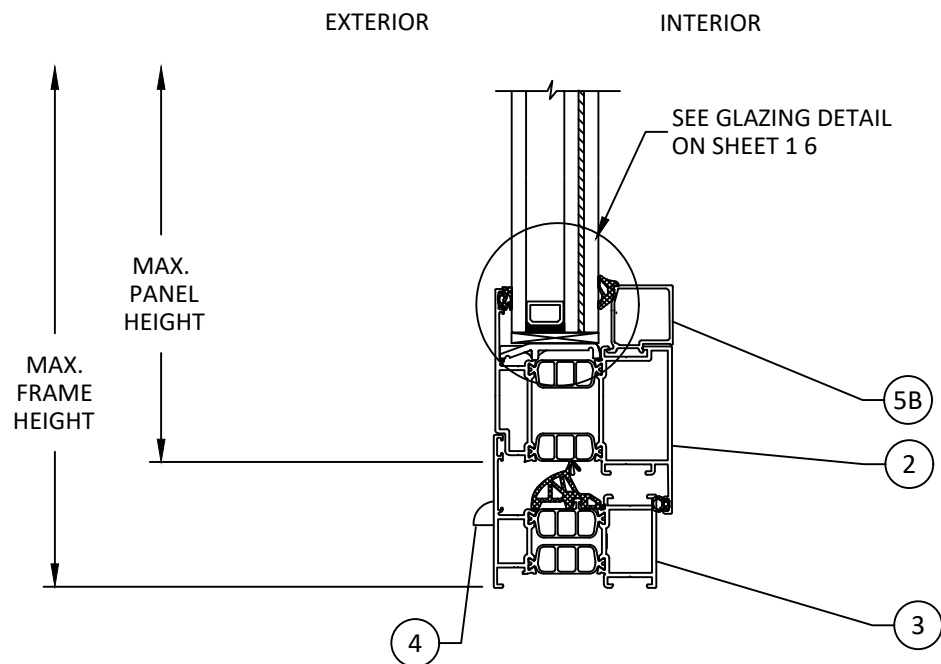
A
4 VERTICAL SECTION
TYP. HEAD DETAIL



B
4 VERTICAL SECTION
TYP. HEAD DETAIL



C
4 VERTICAL SECTION
TYP. SILL DETAIL



D
4 VERTICAL SECTION
TYP. SILL DETAIL



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VERTICAL SECTIONS

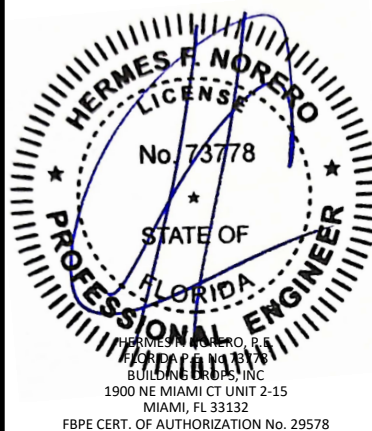
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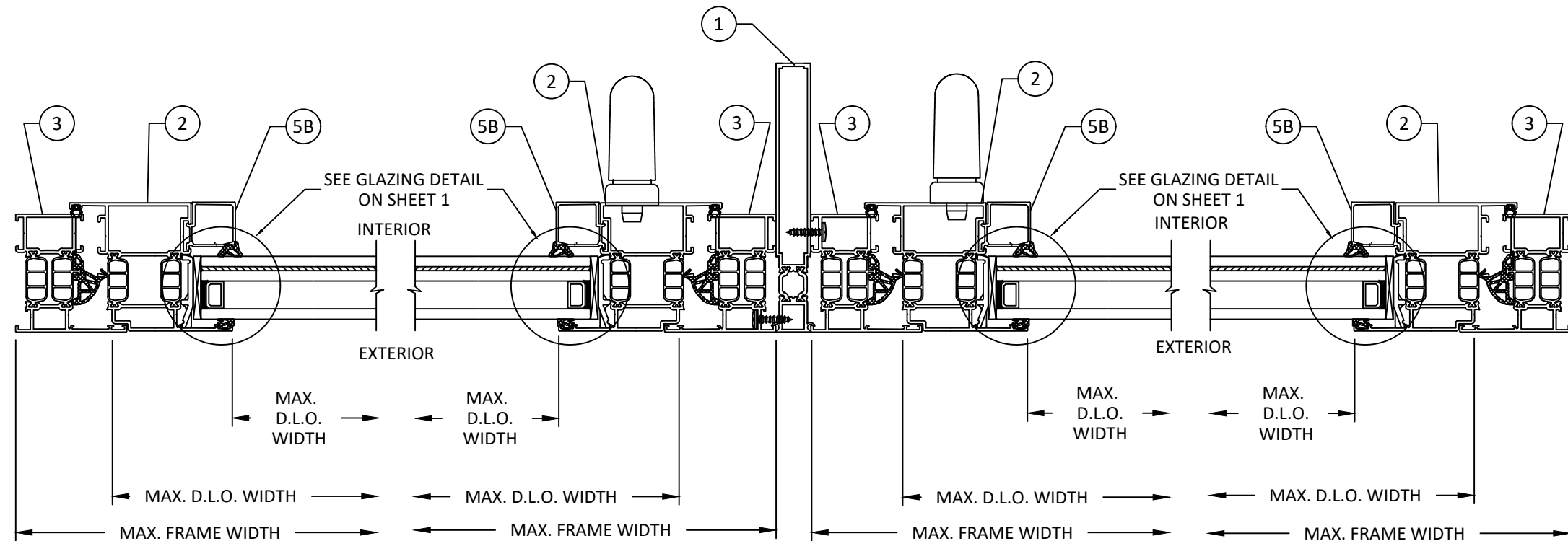
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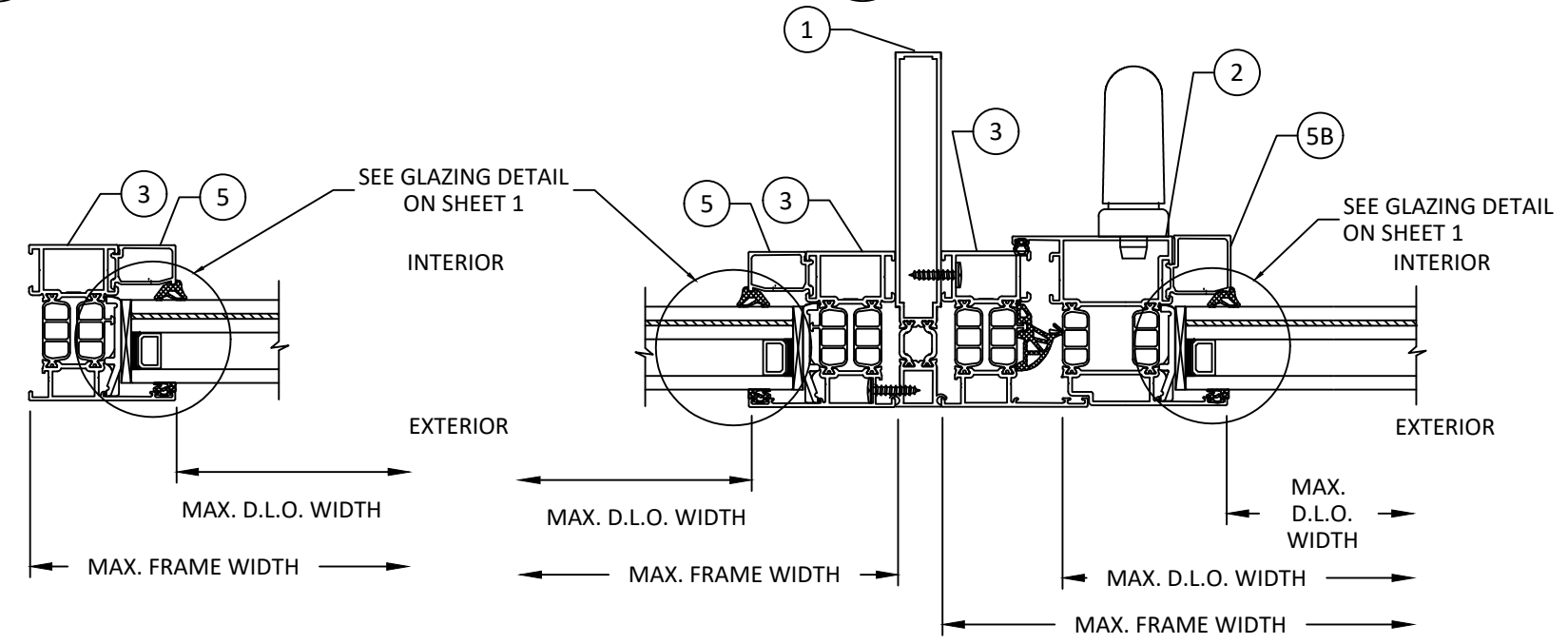
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A
5 HORIZONTAL SECTION
TYP. JAMB DETAIL

B
5 HORIZONTAL SECTION
TYP. ASTRAGAL DETAIL

C
5 HORIZONTAL SECTION
TYP. JAMB DETAIL



D
5 HORIZONTAL SECTION
TYP. JAMB DETAIL

E
5 HORIZONTAL SECTION
TYP. ASTRAGAL DETAIL



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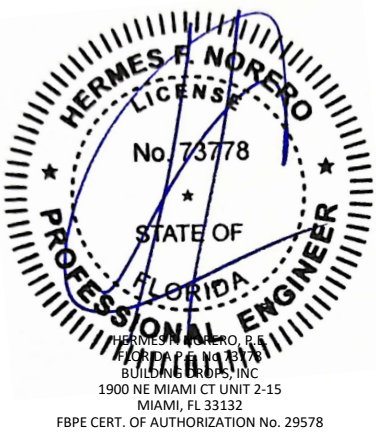
HORIZONTAL SECTIONS

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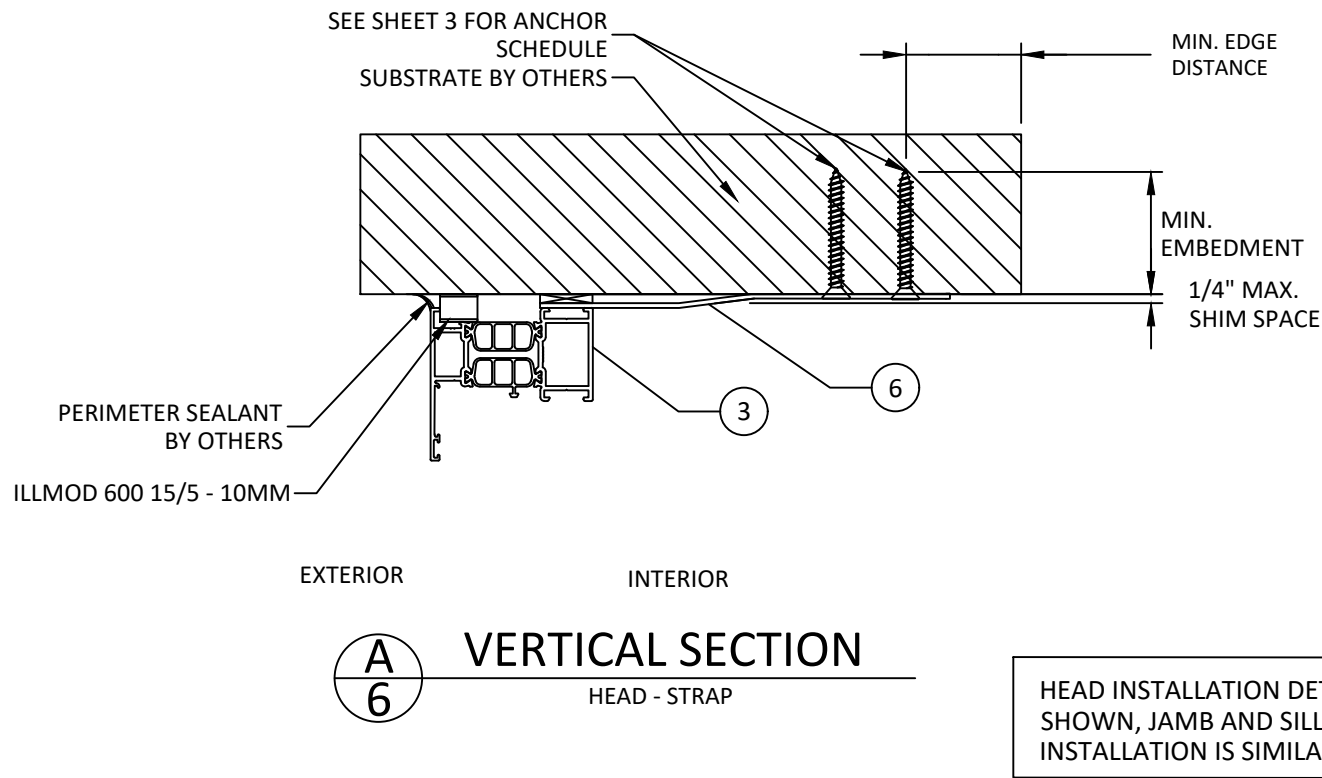
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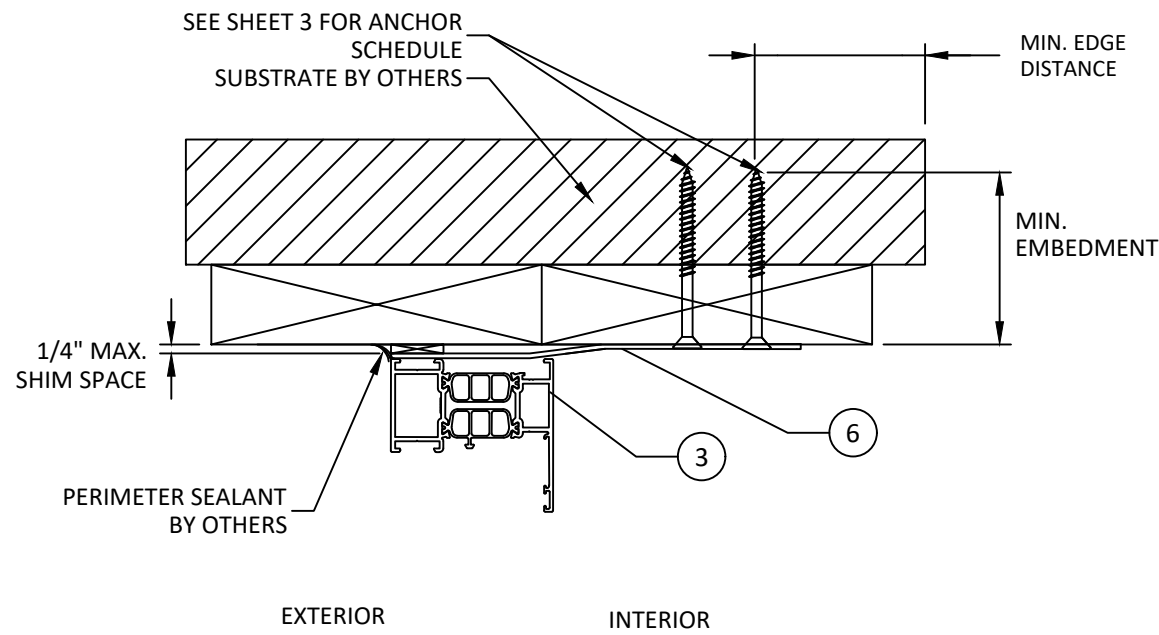
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INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 1 3.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ± 1.000 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 1 FOR MORE INFORMATION.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.



ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	SPACING
STRAP- INSTALLATION 2 ANCHORS PER LOCATION	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.50"	0.75"	SEE ABOVE
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	1/4" SELF DRILLING TAPCON	3 THREADS MIN. PENETRATION BEYOND STRUCTURE	0.50"	
	ALUMINUM: 1/8" MIN. 6063-T5	1/4" ITW TAPCON	1.00"	2.50"	
	CONCRETE: f _c = 3000PSI	1/4" ITW TAPCON	1.00"	2.50"	
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON	1.00"	2.50"	



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ANCHOR DETAILS & INSTALLATION NOTES

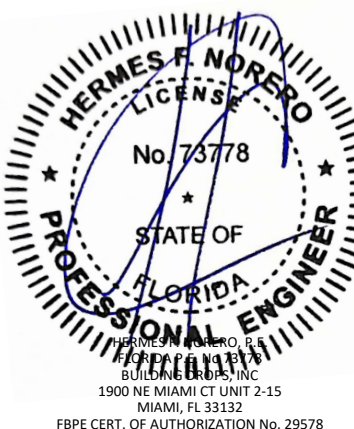
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REMARKS	BY	DATE

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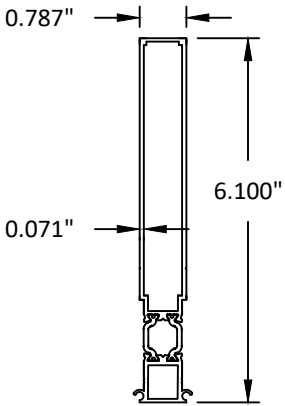
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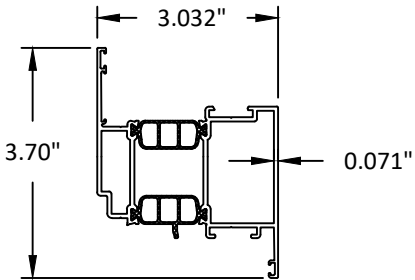
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CS77 TILT AND TURN WINDOW - BILL OF MATERIALS

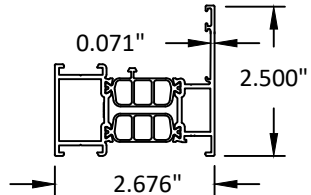
ITEM	PART NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	0060371.51	1	CONNECTION PROFILE	6060-T66	REYNAERS ALUMINUM
2	0083112.51	1	SASH FRAME	6060-T66	REYNAERS ALUMINUM
3	0083183.51	1	HEAD/SILL/JAMB FRAME	6060-T66	REYNAERS ALUMINUM
4	0300019.51	AS REQD.	DRIP CAP	6060-T66	REYNAERS ALUMINUM
5	0303649.51	AS REQD.	GLAZING BEAD	6060-T66	REYNAERS ALUMINUM
5A	0303647.51	AS REQD.	GLAZING BEAD	6060-T66	REYNAERS ALUMINUM
5B	0303647.51	AS REQD.	GLAZING BEAD	6060-T66	REYNAERS ALUMINUM
6	0566016.--	AS REQD.	INSTALLATION FIN	CARB. GALV. STEEL	MS DECOUPE
7	0606042.--	AS REQD.	LOCK PLATE	ZIN, S.S.	SOBINCO
8	8809114.04	AS REQD.	OUTER GLAZING GASKET	EPDM	POLECEX
9	8809126.04	AS REQD.	INNER GLAZING GASKET	EPDM	POLECEX
10	-	AS REQD.	STEEL REINFROCEMENT	STEEL (GALV.)	-
11	0687746.00	AS REQD.	CORNER CLEAT	DIE CAST ALUM.	SOBINCO
12	068753.00	AS REQD.	CORNER CLEAT	DIE CAST ALUM.	MONTICELLI
13	0687952.00	AS REQD.	CORNER CLEAT	DIE CAST ALUM.	MONTICELLI
14	0698704.01	AS REQD.	GLASS SUPPORT	POM	SCUSTERS KUNSTSTOFFEN



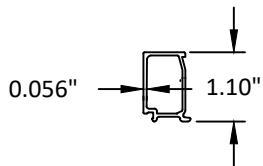
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6060-T66



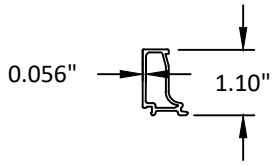
2 SASH
6060-T66



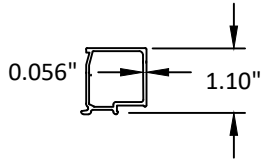
3 FRAME
6060-T66



5 GLAZING BEAD
6060-T66



5A GLAZING BEAD
6060-T66



5B GLAZING BEAD
6060-T66



6 INSTALLATION FIN
CARBON GALVANIZED STEEL



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COMPONENTS &
BILL OF MATERIALS

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