

SENTECH ARCHITECTURAL SYSTEMS, LLC.

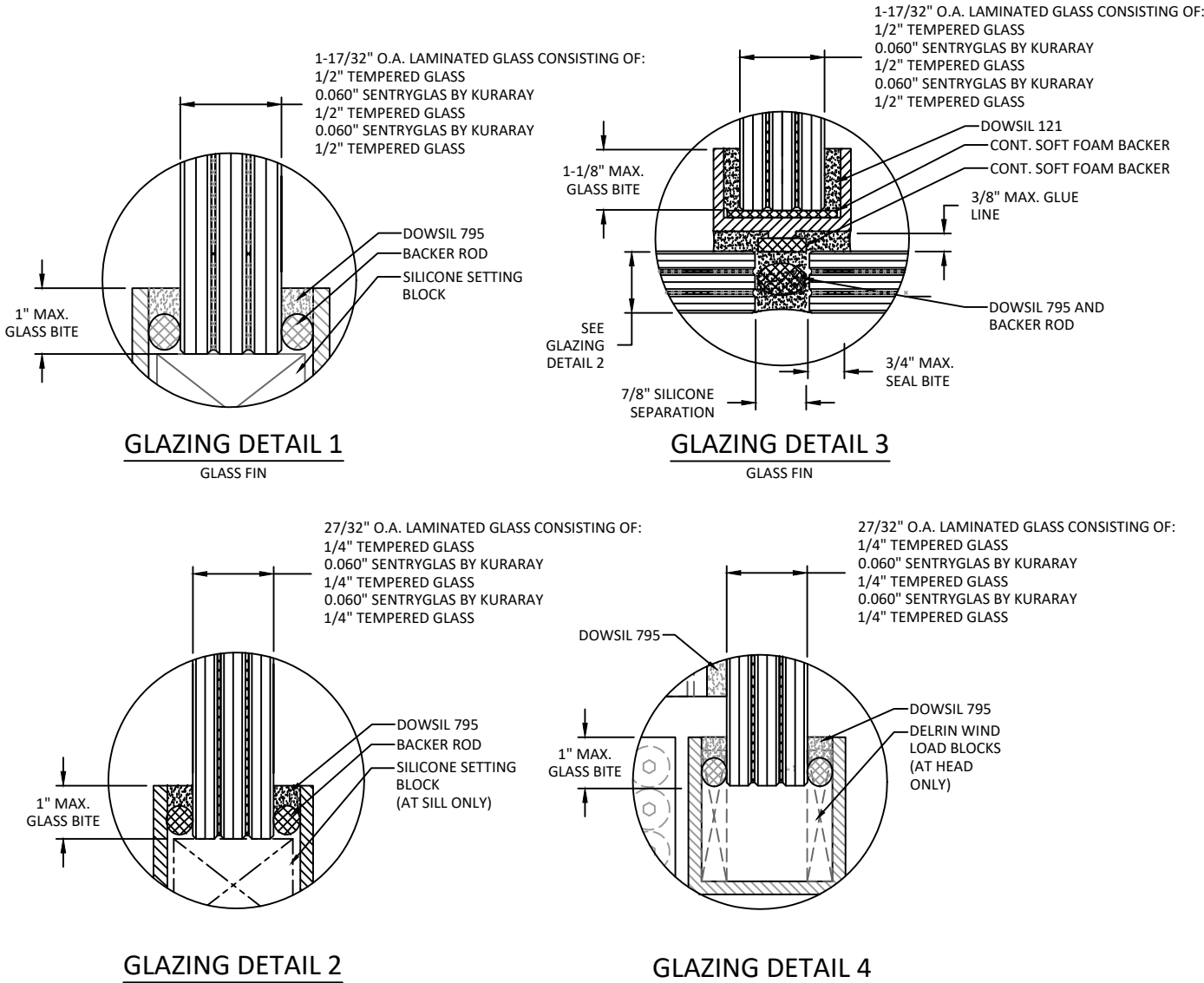
21MM CURTAIN WALL W/ 39MM GLASS FIN (HVHZ)(IMPACT)

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:
 - AAMA 501-15
 - ASTM E330-14
 - ASTM E283-04(12)
 - ASTM E331-00(16)
 - ASTM E1886-19
 - ASTM E1996-20
 - 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.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/4$ 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: ALUMINUM (6063-T5)
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

DESIGN RATING				
BAY SIZE		CONFIG.	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
5'-10"	23'-3"	0000	+60/-70	LMI/SMI

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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.



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39MM GLASS FIN
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GENERAL NOTES AND
GLAZING DETAILS

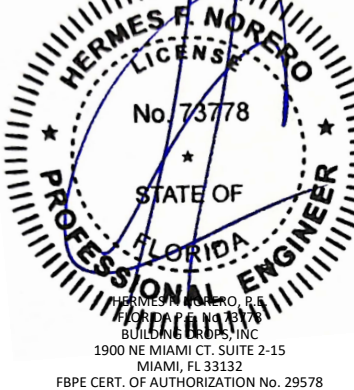
PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
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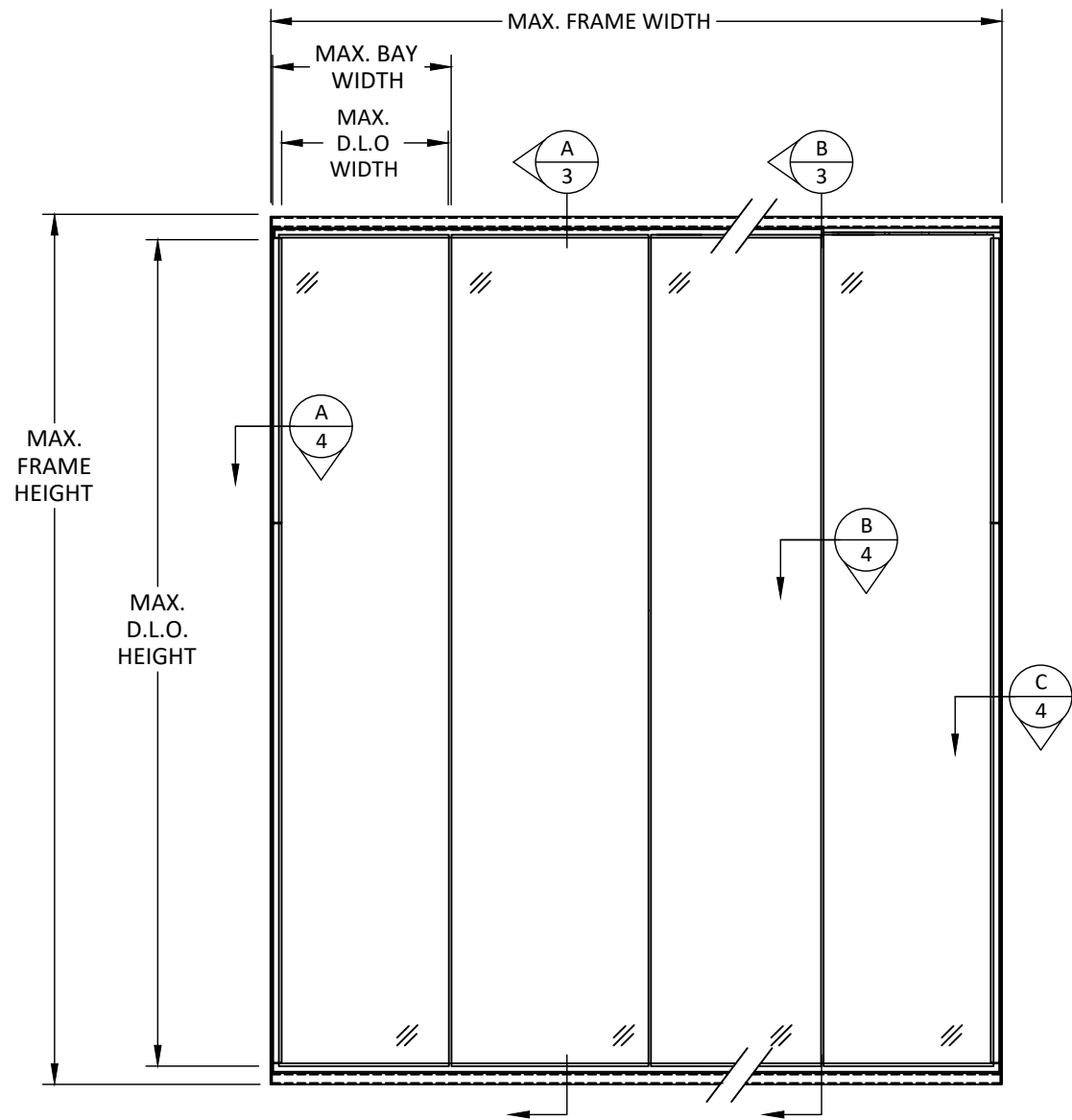
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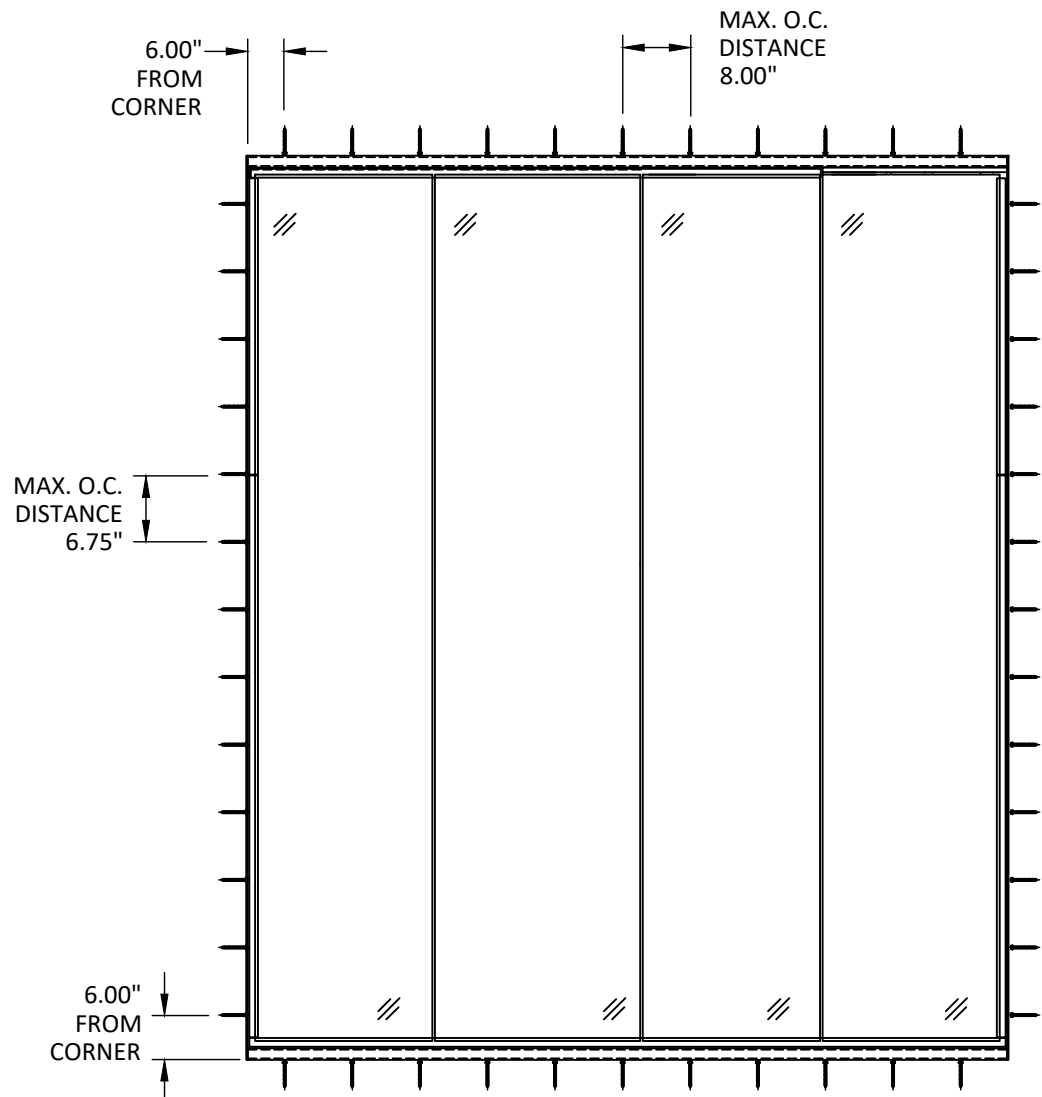


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ELEVATION



ANCHOR LAYOUT

NOTE:
D.L.O. HEIGHT = BAY HEIGHT - 6"
BAY HEIGHT = FRAME HEIGHT
D.L.O. WIDTH = BAY WIDTH - 1.75"
BAY WIDTH = FRAME WIDTH/ # OF BAYS

ANCHOR SCHEDULE - 21MM CURTAIN WALL				
INST. METHOD	ANCHOR TYPE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	1/2" LAG SCREW	WOOD (S.G. = 0.55)	1.25"	2.50"
	1/2" SELF-TAPPING SCREW"	MIN. 18 GA. STEEL (33KSI)/ ALUMINUM 1/8" MIN. THK. 6063-T5	THREE (3) THREADS MIN.. PENETRATION BEYOND METAL FACE	0.50"
	1/2" 316 SS WEDGE-BOLT	CONCRETE: f'c = 3000 PSI	1.00"	2.50"
	1/2" 316 SS WEDGE-BOLT	MASONRY : CMU PER ASTM-C90, MIN. 2000 PSI	1.00"	2.50"



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ELEVATION, ANCHOR LAYOUTS,
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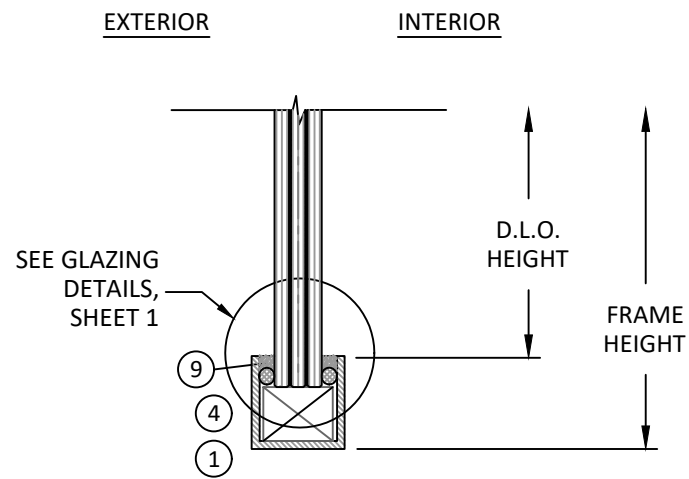
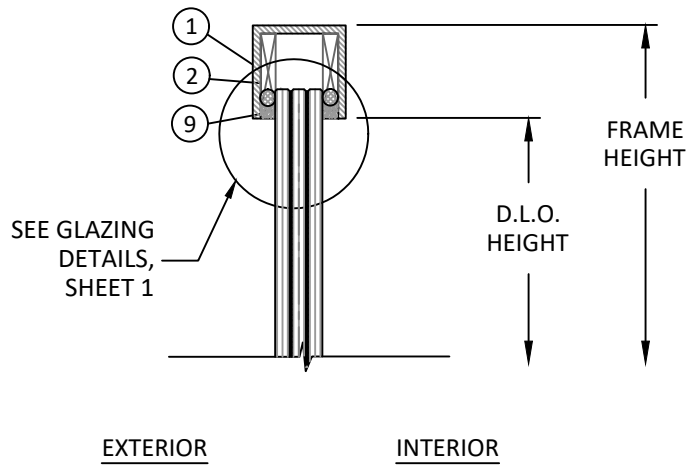
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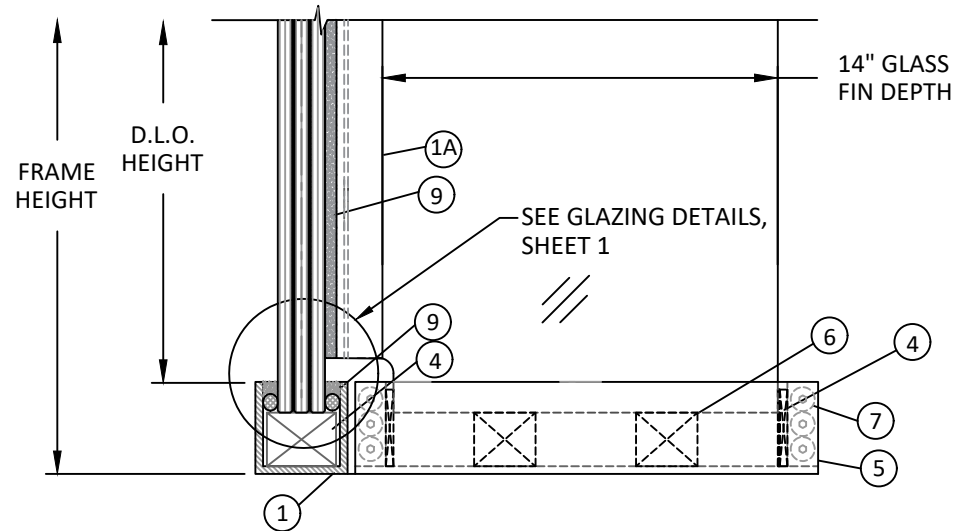
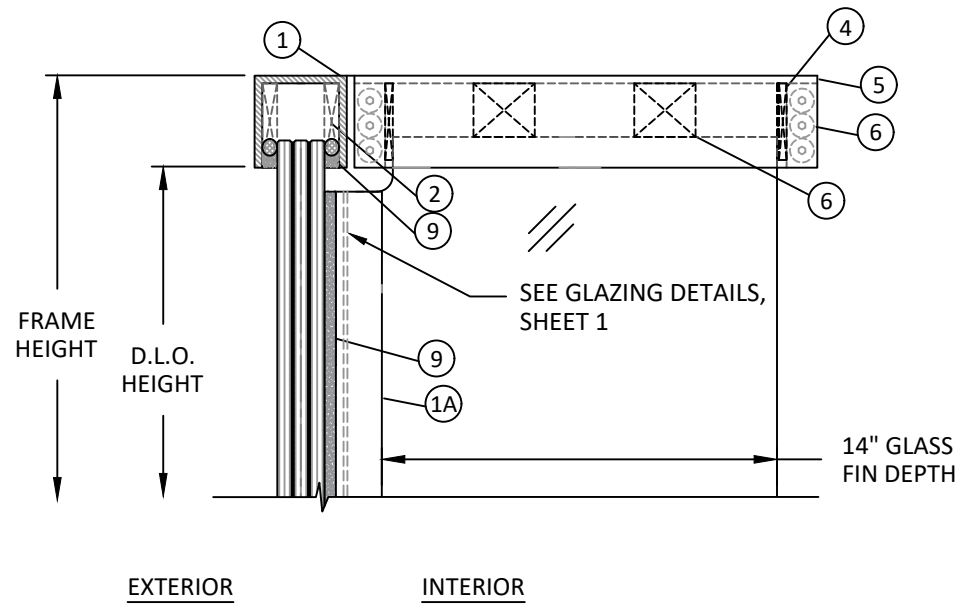
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A
3 VERTICAL SECTION
TYP. HEAD/SILL



B
3 VERTICAL SECTION
TYP. MULLION
39MM GLASS FIN



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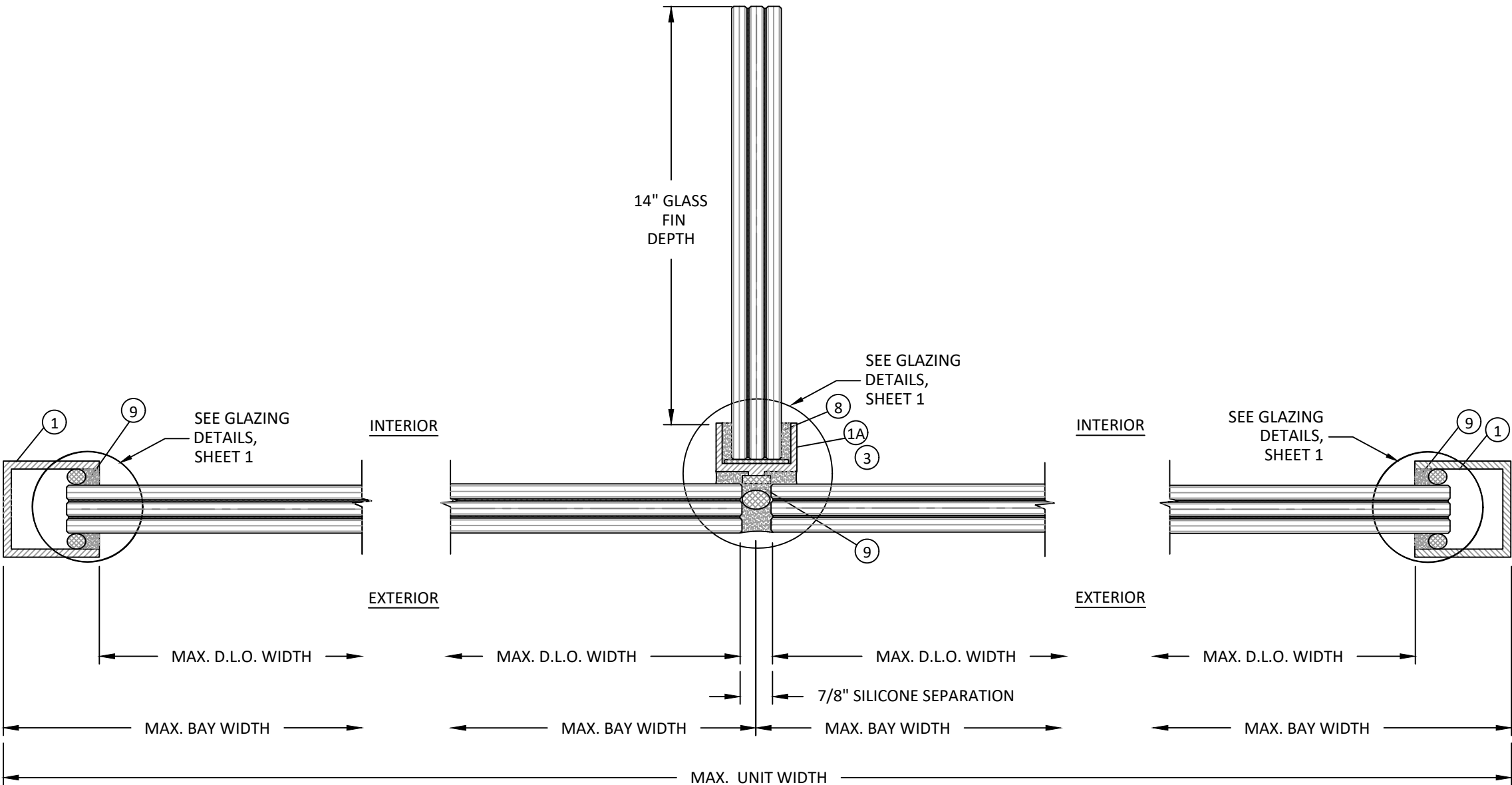
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A
4 HORIZONTAL SECTION
TYP. JAMB

B
4 HORIZONTAL SECTION
TYP. FIN MULLION
39MM GLASS FIN

C
4 HORIZONTAL SECTION
TYP. JAMB



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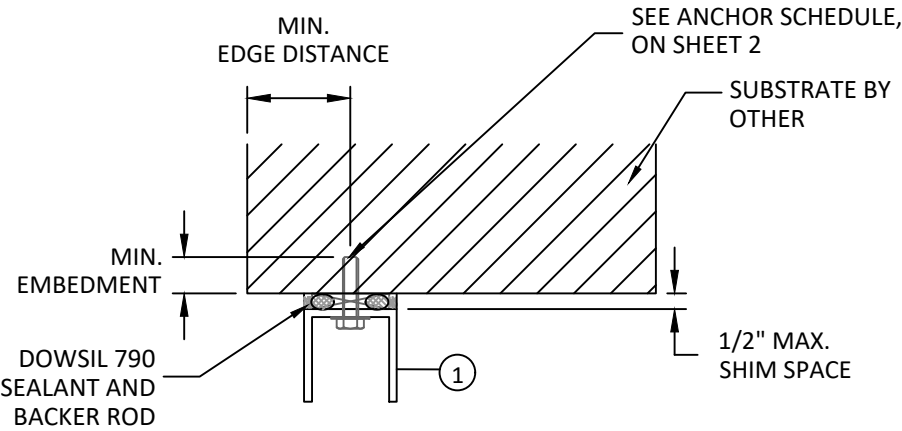
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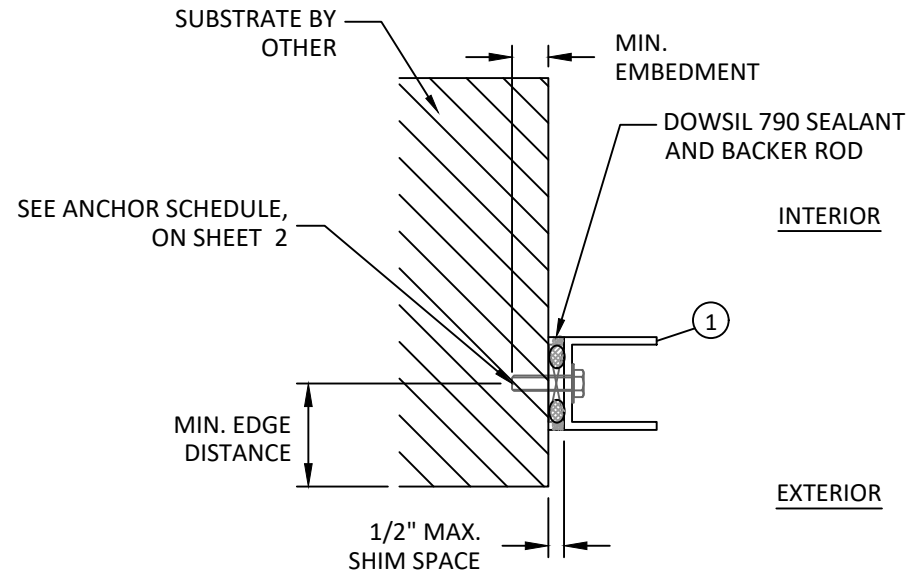
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EXTERIOR INTERIOR

A
5 VERTICAL SECTION
TYP. HEAD INSTALLATION
THROUGH FRAME

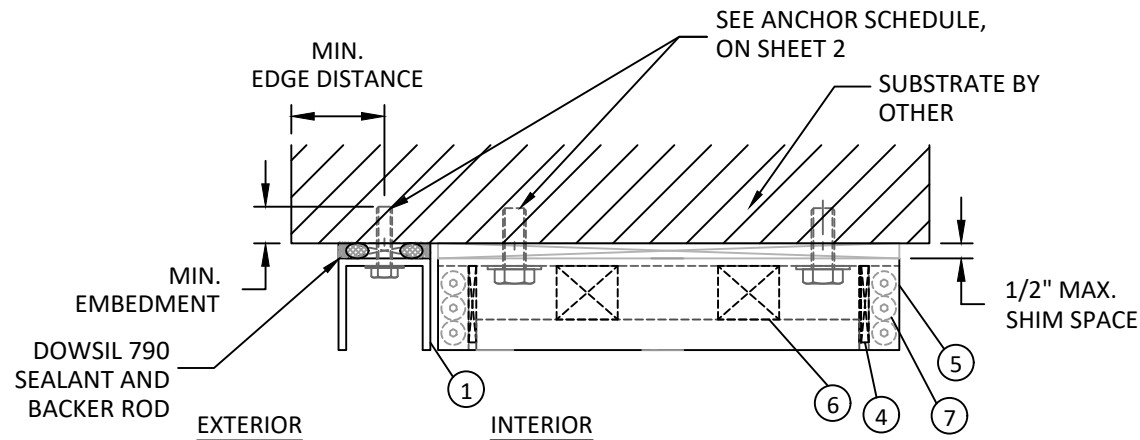
NOTE: HEAD DETAILS
SHOWN, SILL INSTALLATION
IS SIMILAR



INTERIOR

EXTERIOR

C
5 HORIZONTAL SECTION
TYP. JAMB INSTALLATION
THROUGH FRAME



EXTERIOR INTERIOR

B
5 VERTICAL SECTION
TYP. MULLION INSTALLATION
THROUGH FRAME

NOTE: HEAD DETAILS
SHOWN, SILL INSTALLATION
IS SIMILAR

INSTALLATION NOTES:

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



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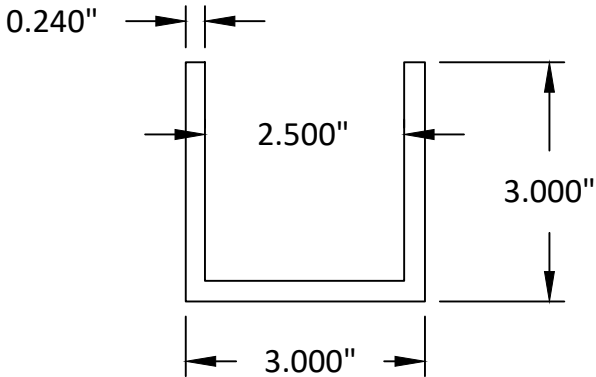
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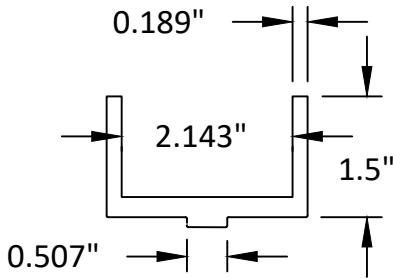
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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	HEAD/JAMB/SILL CHANNEL CH-101	6063-T5
1A	FIN CHANNEL	6063-T5
2	DELTRIN WIND LOAD BLOCKS	6063-T5
3	SOFT FOAM BACKER	-
4	SILICONE SETTING BLOCK	SILICONE
5	1" THK. END DAM	6063-T5
6	ACETAL SETTING BLOCK 1.5"X1.5"	-
7	3/8"-16 ZINC PLATED BOLTS	-
8	DOW 121	-
9	DOW 795	-

1 HEAD/JAMB/SILL CHANNEL
6063-T5



1A FIN CHANNEL
6063-T5



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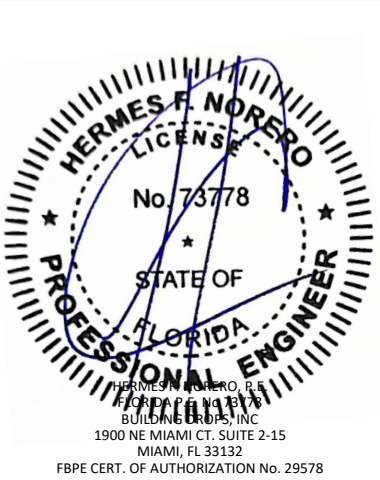
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