

PLY GEM WINDOWS

SERIES 1500 INTEGRAL MULLED WINDOW

(NON-IMPACT) AS TESTED

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. 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.
5. FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
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.
9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

AAMA/WDMA/CSA 101/I.S.2/A440-17
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X 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 IN NON-HVHZ AREAS.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PVC
7. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.

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OVERALL SIZE		CONFIGURATION	MAX. DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
71-1/2"	73-1/2"	OX OR XO OR XX	+35/- 35 PSF	NON-IMPACT
			+50/- 50 PSF	
80-1/2"	71-15/16"	XX	+50/- 50 PSF	
		OX OR XO	+25/- 35 PSF	
84-1/4"	77-1/8"	XX	+40/- 40 PSF	
		OX OR XO	+45/- 45 PSF	
71-1/2"	96-1/2"	OX OR XO OR XX	+25/- 25 PSF	
			+35/- 35 PSF	
71-1/2"	83-1/2"	OX OR XO OR XX	+35/- 35 PSF	
			+40/- 40 PSF	
			+45/- 45 PSF	
107-1/2"	73-1/2"	XOX	+30/- 30 PSF	
107-5/8"	73-7/16"	XXX OR XXO OR OXX OR OOX OR XOO OR OXO OR XOX	+35/- 35 PSF	
			+50/- 50 PSF	
107-7/16"	73-7/16"	XXX OR XXO OR OXX OR OOX OR XOO OR OXO OR XOX	+25/- 40 PSF	
107-7/16"	77-3/16"	XXX OR XXO OR OXX OR OOX OR XOO OR OXO OR XOX	+25/- 35 PSF	
109-1/16"	74-1/16"	XXX OR XXO OR OXX OR OOX OR XOO OR OXO OR XOX	+25/- 35 PSF	
121-1/16"	77-1/16"	XXX	+40/- 40 PSF	
		XXO OR OXX OR OOX OR XOO OR OXO OR XOX	+45/- 45 PSF	

NOTE: SEE SHEET 2 FOR ALL QUALIFIED CONFIGURATIONS

PlyGem®

RESIDENTIAL SOLUTIONS

A division of Cornerstone Building Brands

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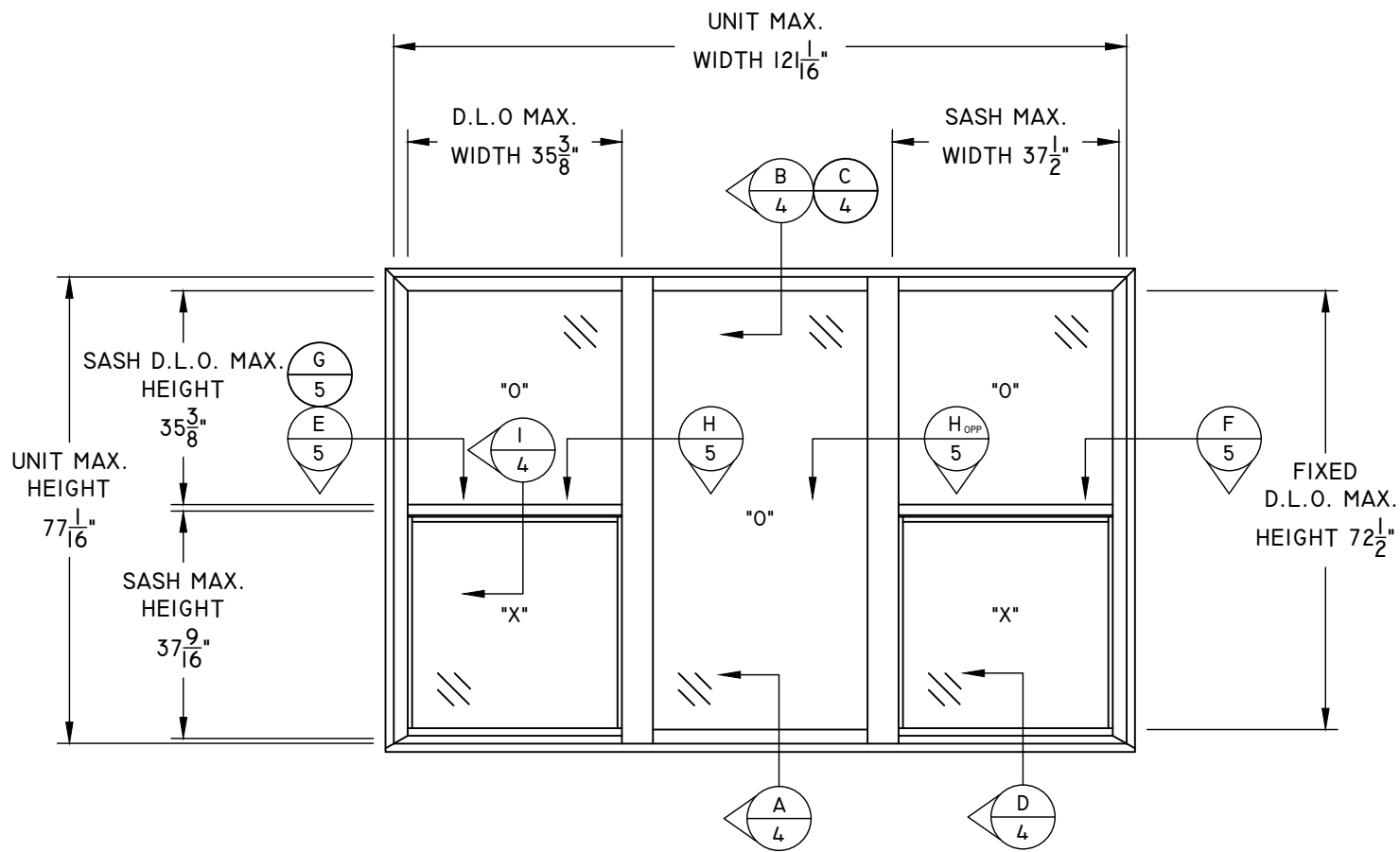
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			EC 20-007 NEW TEST SIZES		D			
			ADDED TINNERMAN NUT PG 3.		E			
			UPDATED TO CURRENT FBC.		F			
	DATE	BY	DATE	BY	DATE	DATE	DATE	DATE
	12.18.12	JLA	11.30.20	LMH	03.29.21	LMH	11.18.21	04.16.24

AS TESTED

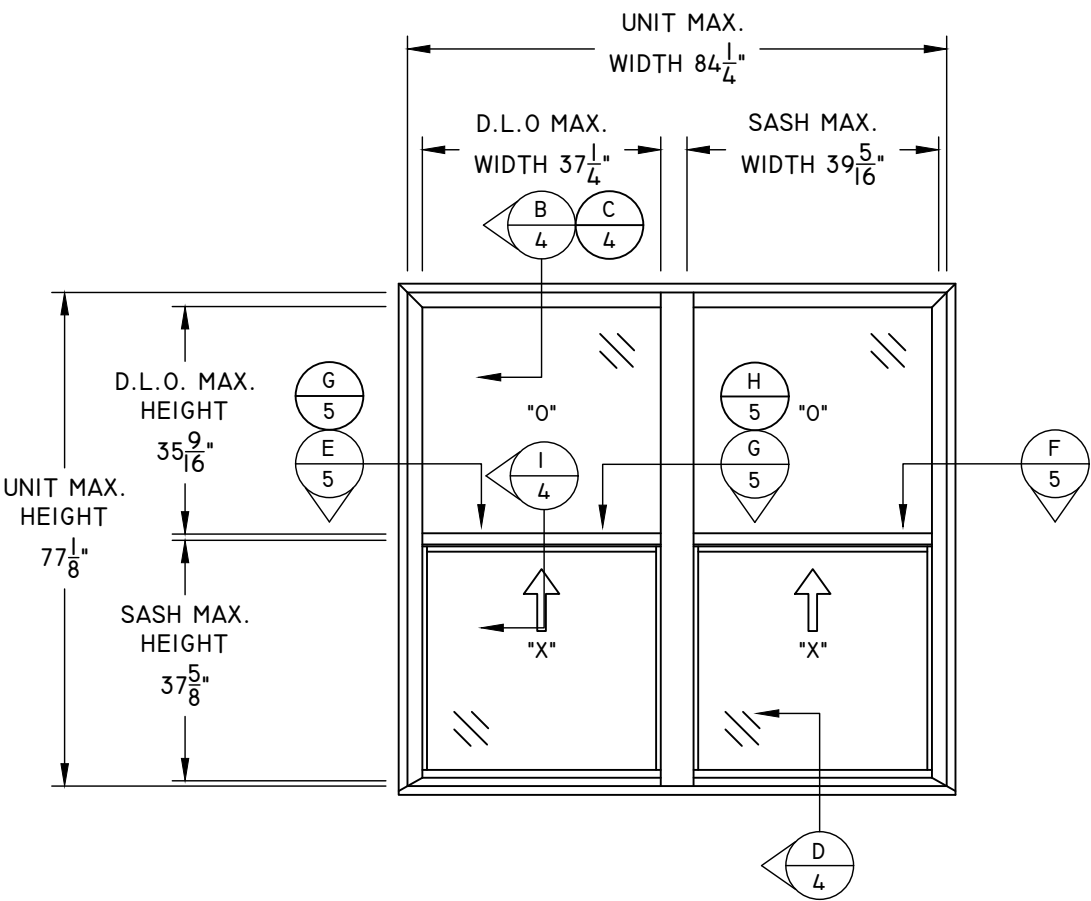
FL #: 16100

DWG #: PGWI92

SHEET: 1 OF 5



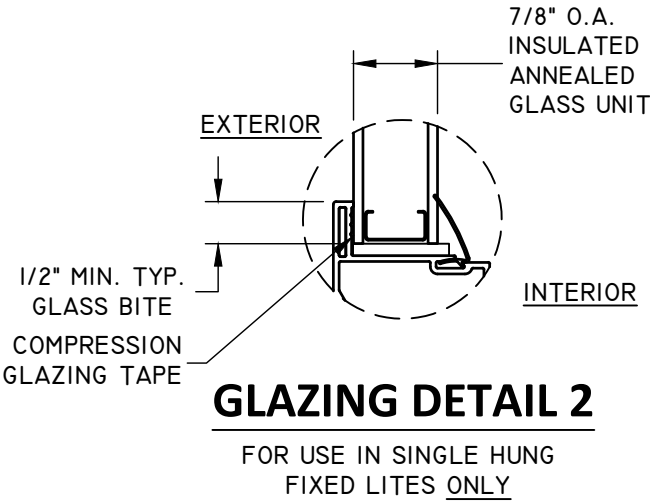
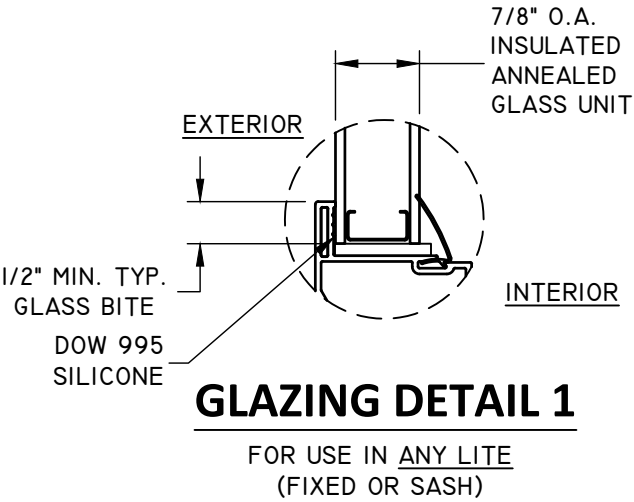
TYPICAL ELEVATION
TRIPLE UNIT



TYPICAL ELEVATION
TWIN UNIT

NOTE:
SEE SHEET 3 FOR ANCHOR LAYOUTS &
SCHEDULE OF ALL QUALIFIED UNIT SIZE
AND DESIGN PRESSURE COMBINATIONS.

SERIES I500 INTEGRAL MULLED WINDOW	
UNIT TYPE	QUALIFIED CONFIGURATIONS
TWIN UNITS	XX
	XO
	OX
TRIPLE UNITS	XXX
	XXO
	OXX
	OOX
	XOO
	OXO
	XOX

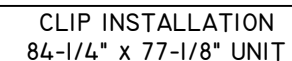


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DATE: 12.18.12	DWN BY: JLA	C	7TH EDITION (2020) FBC	LMH	11.30.20
CHK BY:		D	EC 20-007 NEW TEST SIZES	LMH	03.29.21
SCALE: NTS		E	ADDED TINNEMAN NUT PG 3.	LMH	11.18.21
		F	UPDATED TO CURRENT FBC.	LMH	04.16.24

AS TESTED

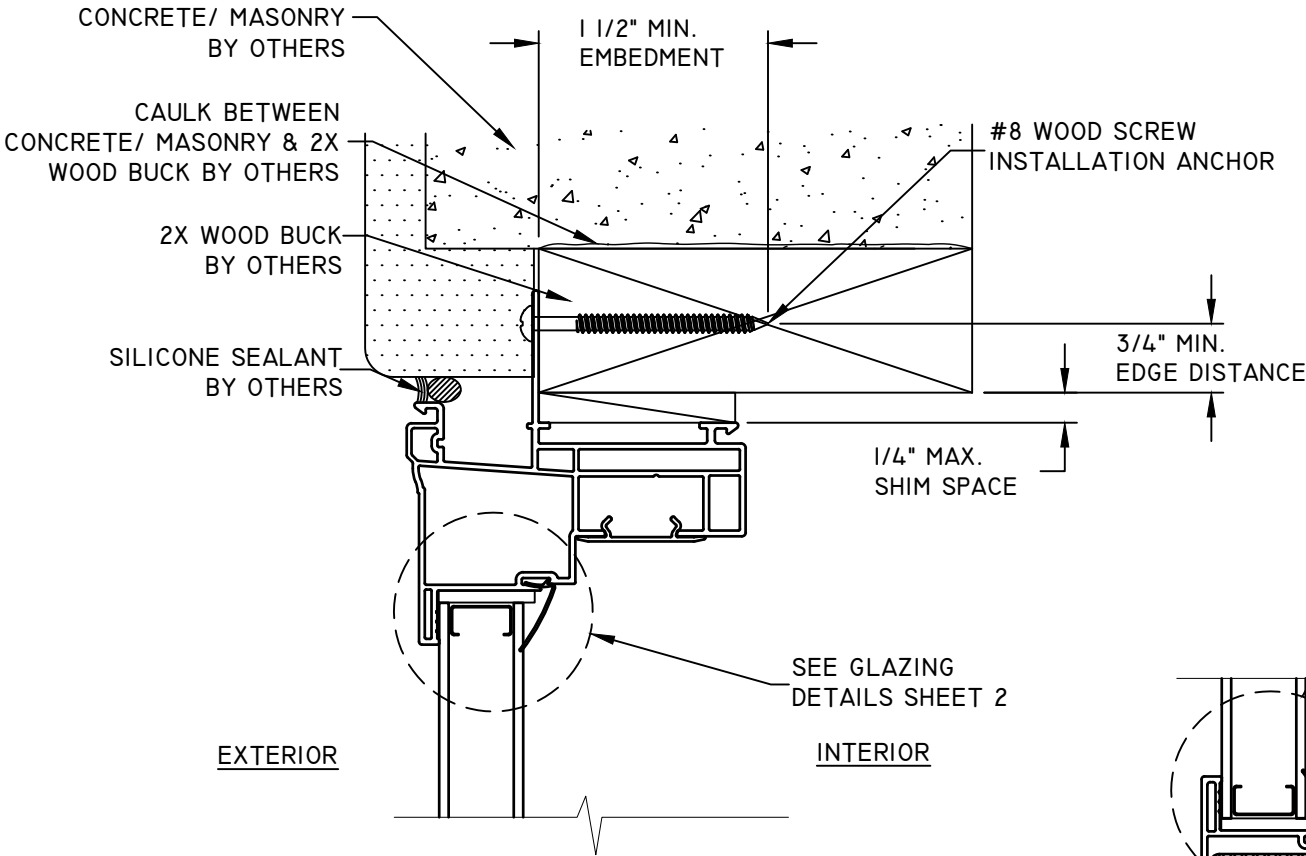


1. ANCHOR SPACING LISTED ABOVE IS BASED ON MAXIMUM UNIT SIZE AND PRESSURE LISTED. SPACING IS QUALIFIED FOR SMALLER UNITS OR UNITS REQUIRING A LOWER PRESSURES.
2. FOR FRAME INSTALLATION, ANCHOR CLIPS ARE REQUIRED AT THE SILL SPACED AS SHOWN IN CHART.
3. ANCHOR METHODS MAY BE INTERMIXED AS LONG AS ANCHOR SPACING, TYPE, ETC. ADHERES TO REQUIREMENTS LAID OUT IN THIS DOCUMENT (I.E. FRAME INSTALL AT HEAD & JAMBS, FIN INSTALL AT SILL)

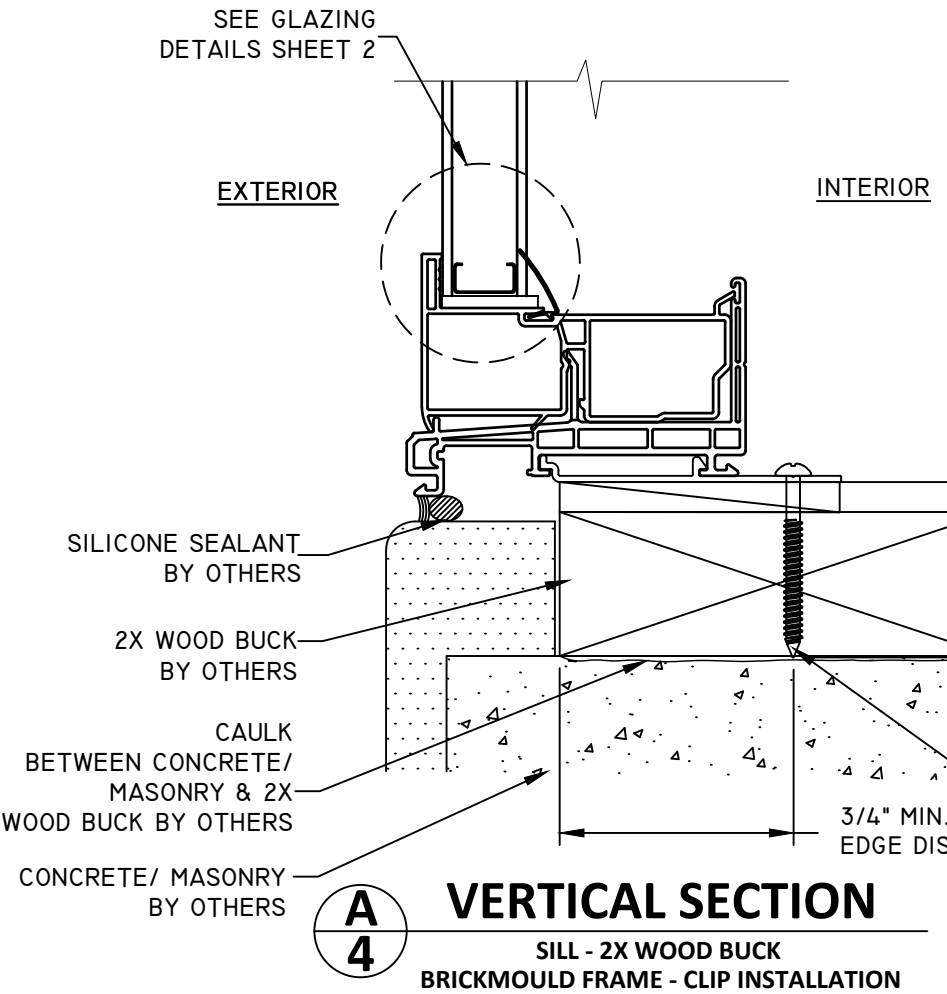


TITLE: SERIES 1500 INTEGRAL MULLED WINDOW VERTICAL SECTIONS	REVISION DESCRIPTION		DATE	
	NO.	BY		
	C	LMH	11.30.20	
	D	LMH	03.29.21	
DATE: 12.18.12	DWN BY: JLA			
	CHK BY:			
SCALE: NTS				

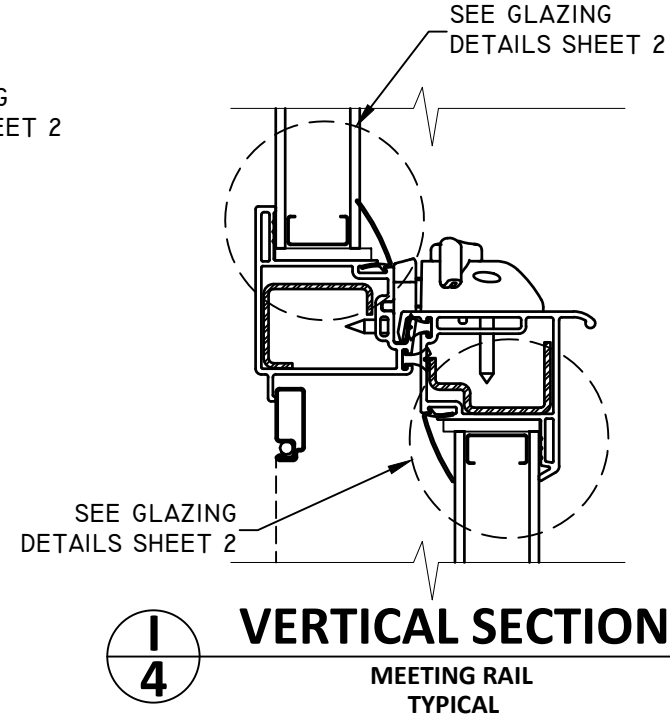
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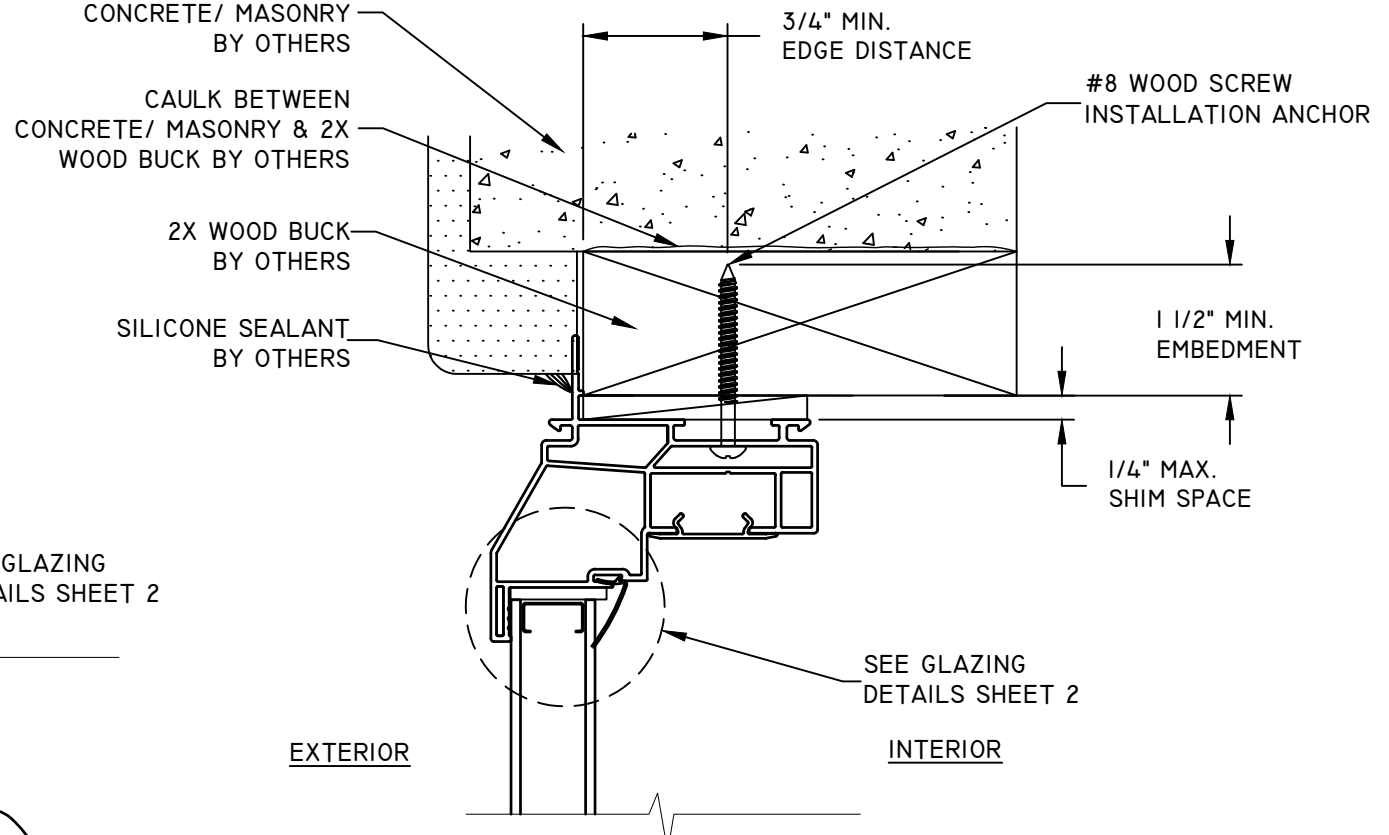
B
4 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
BRICKMOULD FRAME - FIN INSTALLATION



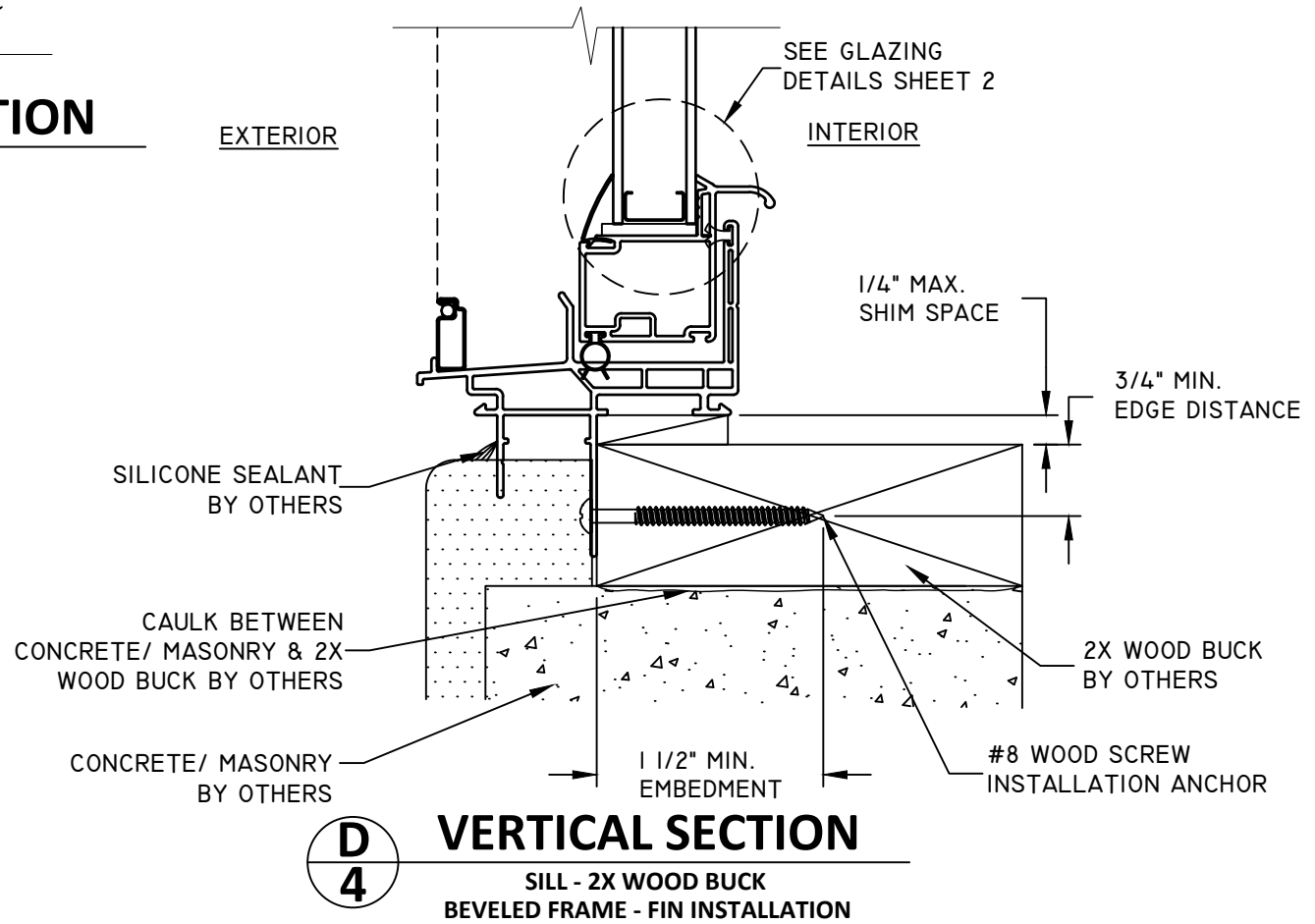
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4 **VERTICAL SECTION**
SILL - 2X WOOD BUCK
BRICKMOULD FRAME - CLIP INSTALLATION



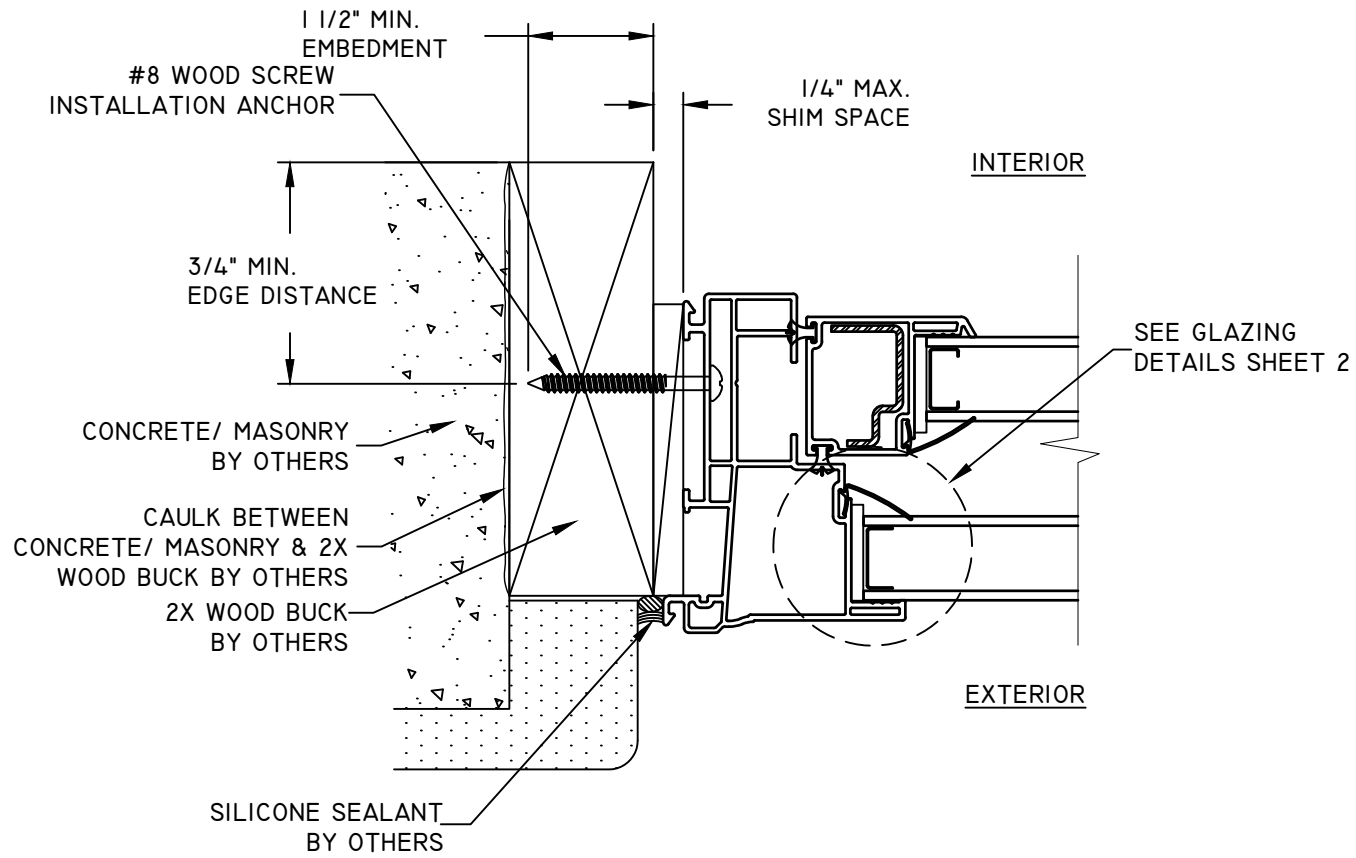
I
4 **VERTICAL SECTION**
MEETING RAIL
TYPICAL



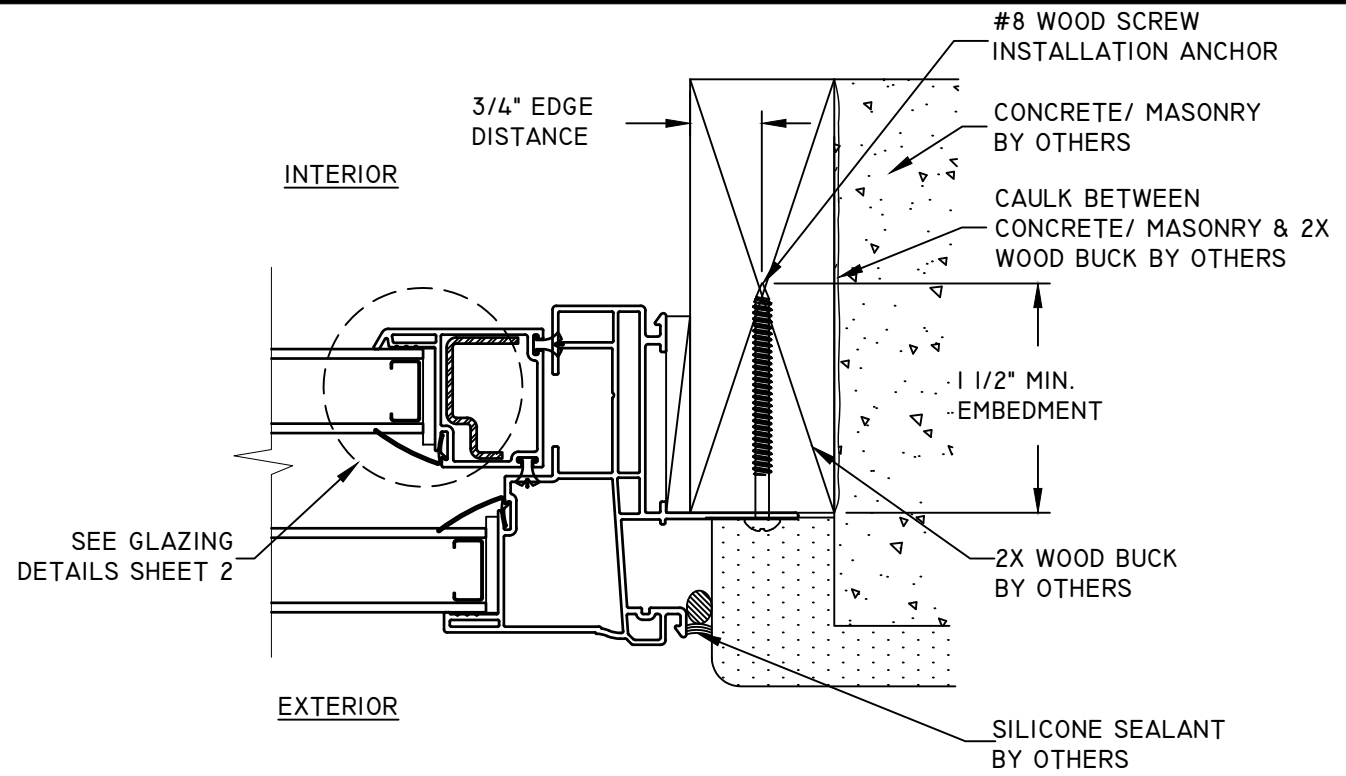
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4 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
BEVELED FRAME - FRAME INSTALLATION



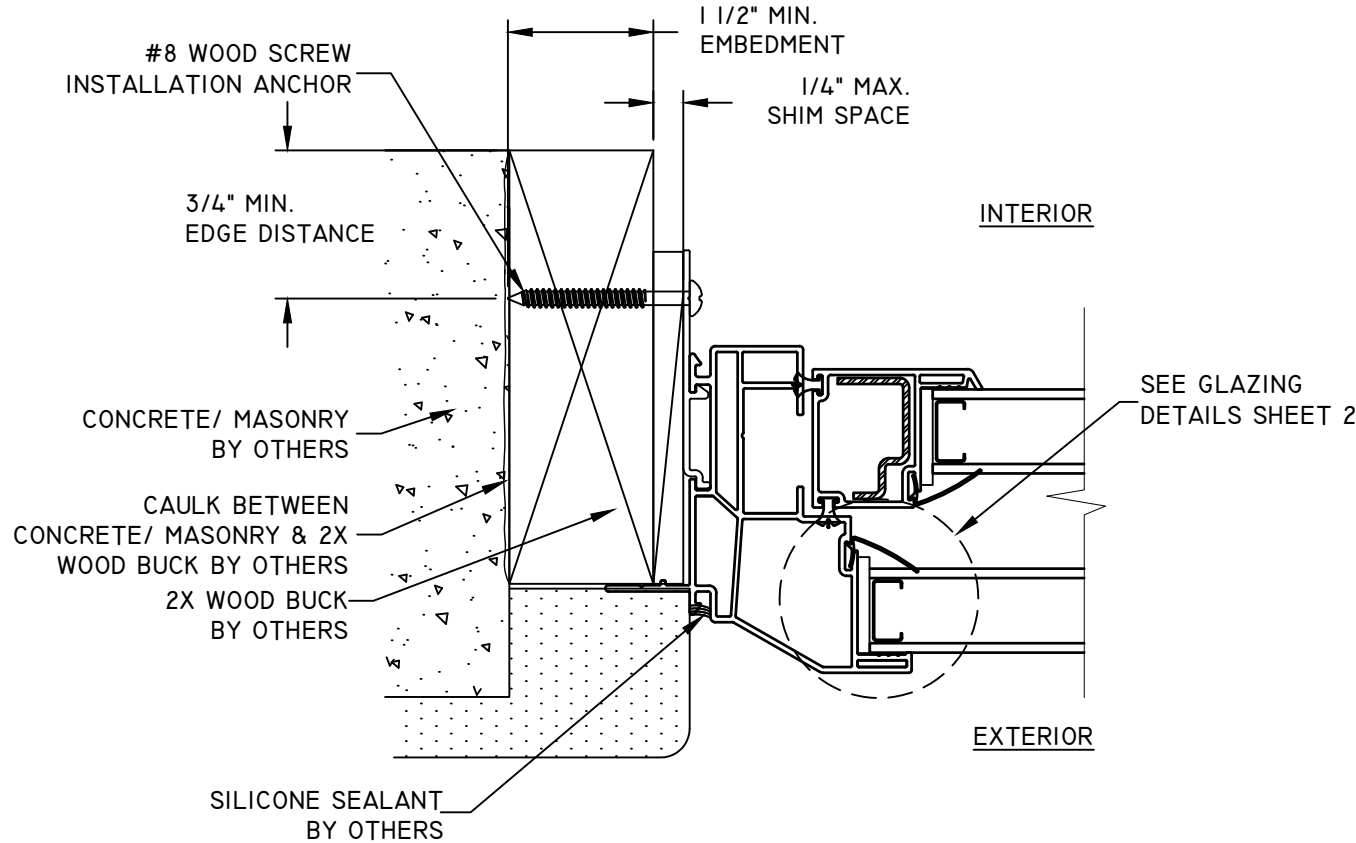
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4 **VERTICAL SECTION**
SILL - 2X WOOD BUCK
BEVELED FRAME - FIN INSTALLATION



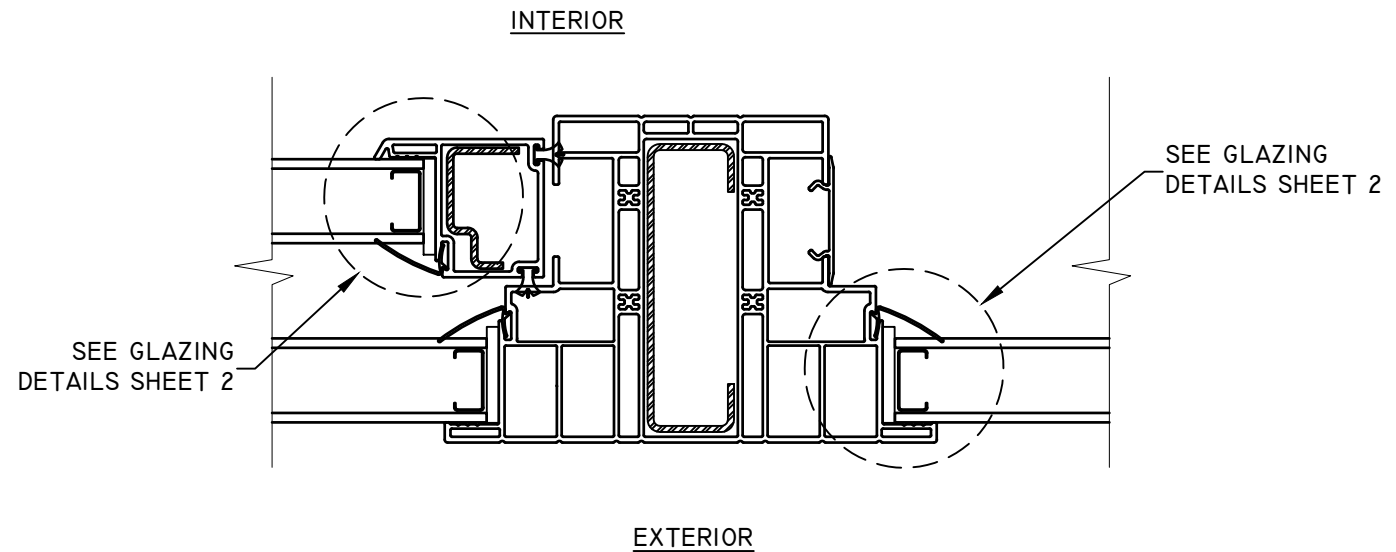
E
5
HORIZONTAL SECTION
JAMB - 2X WOOD BUCK
BRICKMOULD FRAME - FRAME INSTALLATION



F
5
HORIZONTAL SECTION
JAMB - 2X WOOD BUCK
BRICKMOULD FRAME - FIN INSTALLATION



G
5
HORIZONTAL SECTION
JAMB - 2X WOOD BUCK
BEVELED FRAME - CLIP INSTALLATION



H
5
HORIZONTAL SECTION
INTEGRAL MULLION
TYPICAL

TITLE: SERIES 1500 INTEGRAL MULLED WINDOW HORIZONTAL SECTIONS	NO.	REVISION DESCRIPTION	BY	DATE
	C	7TH EDITION (2020) FBC	LMH	11.30.20
	D	EC 20-007 NEW TEST SIZES	LMH	03.29.21
	E	ADDED TINNERMAN NUT PG 3.	LMH	11.18.21
	F	UPDATED TO CURRENT FBC.	LMH	04.16.24

DATE: 12.18.12	DWN BY: JLA	CHK BY:	SCALE: NTS
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AS TESTED

FL#: 16100

DWG #: PGWI92

SHEET: 5 OF 5