

PLY GEM WINDOWS

BUILDER SERIES 705FL ALUMINUM FIXED PRIME WINDOW



Part of the Cornerstone Building Brands Family

433 N. MAIN ST.,
PO BOX 559,
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PH: 540-484-6348
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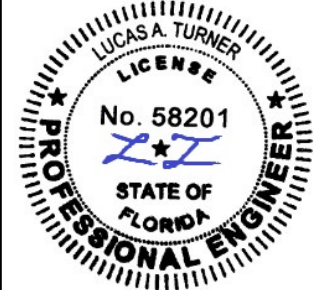
- NOTES:
- THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE OUTSIDE THE HVHZ, AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES DO NOT EXCEED THE DESIGN PRESSURE RATINGS HEREIN.
 - WHEN USED IN AREAS REQUIRING IMPACT PROTECTION, THIS PRODUCT REQUIRES THE USE OF APPROVED IMPACT PROTECTIVE DEVICES (SHUTTERS).
 - ANCHOR TYPE, SIZE, SPACING, EMBEDMENT, AND EDGE DISTANCE SHALL BE AS SPECIFIED IN THESE DRAWINGS. USE APPROPRIATE ANCHORAGE FROM TABLE I ACCORDING TO SUBSTRATE TYPE. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL INSTALLATION FASTENERS IN ANY DIRECTION.
 - ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR MASONRY OPENINGS WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO MASONRY SUBSTRATE. WOOD BUCKS WITH MASONRY ARE OPTIONAL.
 - WOOD, METAL, OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED BY OTHERS TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVED THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR AUTHORITY HAVING JURISDICTION (AHJ).
 - IT IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AHJ TO SELECT PLY GEM PRODUCTS TO MEET ALL APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES, OR OTHER SAFETY REQUIREMENTS FOR EACH INSTALLATION.
 - SHIMS ARE REQUIRED WHERE GAPS OF GREATER THAN 1/16" EXIST BETWEEN OPENING AND FRAME. MAX. SHIM STACK IS 1/4". SHIMS SHALL BE LOAD-BEARING AND CAPABLE OF TRANSFERRING LOADS TO THE SUBSTRATE.
 - SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS USING ASTM E2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
 - INSTALLED GLAZING SHALL COMPLY WITH ASTM E1300.
 - ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS. ANY DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH CODE REQUIREMENTS.
 - A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
 - PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS CONSTRUCTION CONSULTING LABORATORY, INTERNATIONAL 07-139 AND 07-140.
 - DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL.
 - USE A BACKER ROD ON ALL JOINTS >3/4" DEEP AND/OR WIDER THAN 1/4". FINISHED CAULK JOINT SHOULD BE A MINIMUM OF 3/8" DEEP.

SIZE CHART				
OVERALL SIZE		PRODUCT RATING	MAX. DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
53"	74"			
112"	53"	R-PG40	+40/-50 PSF	NON-IMPACT

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SHEET	SHEET DESCRIPTION
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2	ELEVATION & ANCHOR LAYOUT
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4	HORIZONTAL SECTIONS & GLAZING DETAILS

Lucas Turner
2026.07.23
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TABLE 1: INSTALLATION FASTENERS TABLE				
ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DISTANCE
A	CONCRETE (2 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
B	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
C	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" ITW TAPCON	1-3/8"	7/8"
D	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
E	16 GAUGE (0.060") STEEL 36 KSI MIN. OR 1/8" ALUM. 6063-T5 MIN.	#10-16 SELF-DRILLING SCREW (TEKS/DRIL-FLEX/KWIK-FLEX)	FULL, PLUS 3 THREADS MIN.	1/2"



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2428 OLD NATCHEZ TRACE TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

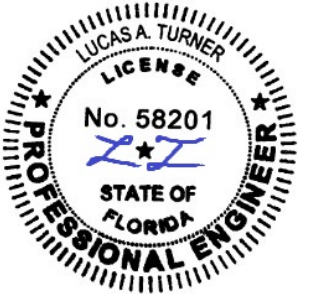
FL #:
14744

DWG #:
PGW070

SHEET:
1 OF 4

TITLE: BUILDER SERIES 705FL FIXED WINDOW INSTALLATION & GENERAL NOTES		DATE	BY				
		3.14.14	TJM	LMH	LMH	LMH	
		07.26.18					
REVISION DESCRIPTION		NO.					
		A	REVISED TO 2010 FBC				
		B	ADDED NOTES & TABLE I				
		C	UPDATED FOR 7TH EDITION (2020) FBC				
DATE: 7.07.11		DWN BY: MSS		CHK BY: .		SCALE: NTS	

TITLE: BUILDER SERIES 705FL FIXED WINDOW ELEVATION & ANCHOR LAYOUT	DATE	BY	REVISION DESCRIPTION			
	NO.	NO.				
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	B	LMH	ADDED NOTES & TABLE I			
DATE: 7.07.11	DWN BY: MSS	CHK BY: .	UPDATED FOR 7TH EDITION (2020) FBC			
	SCALE: NTS		UPDATED TO CURRENT FBC			

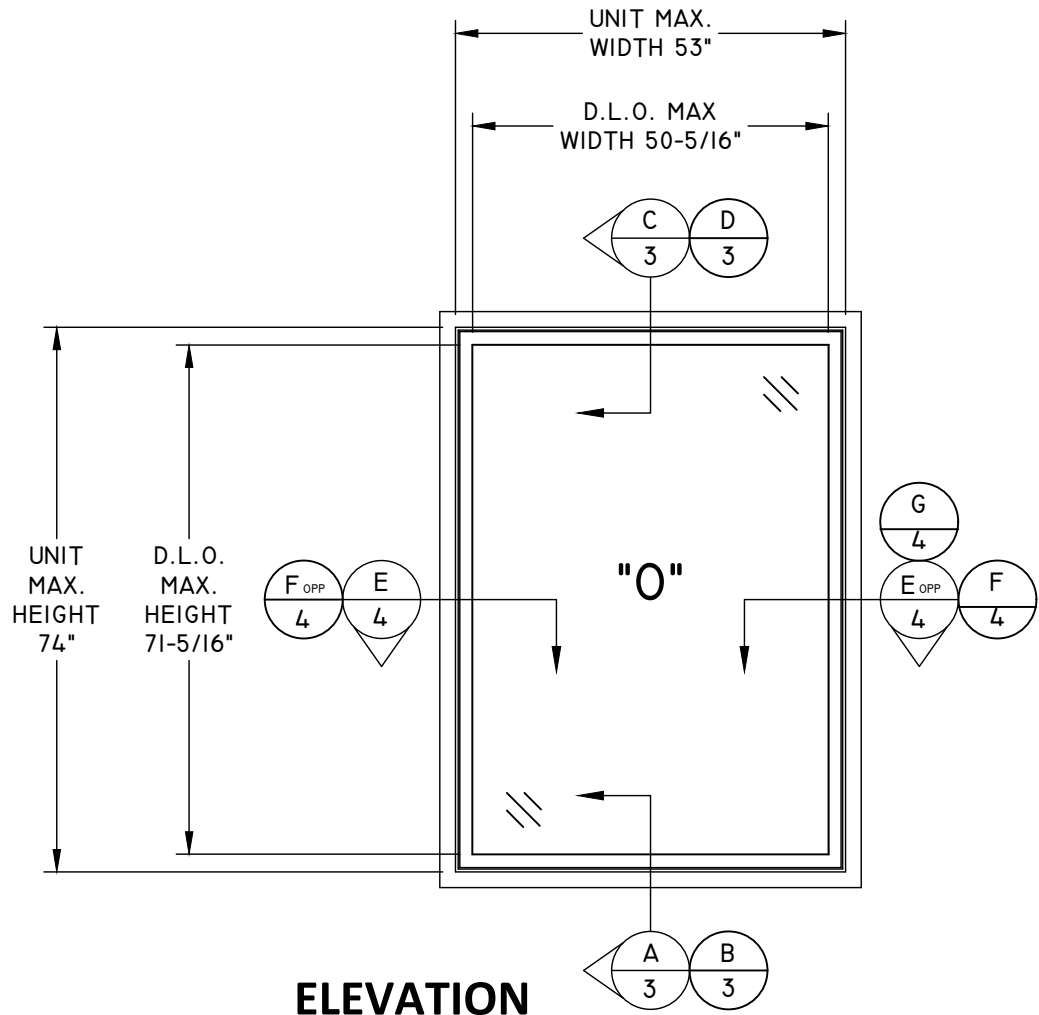


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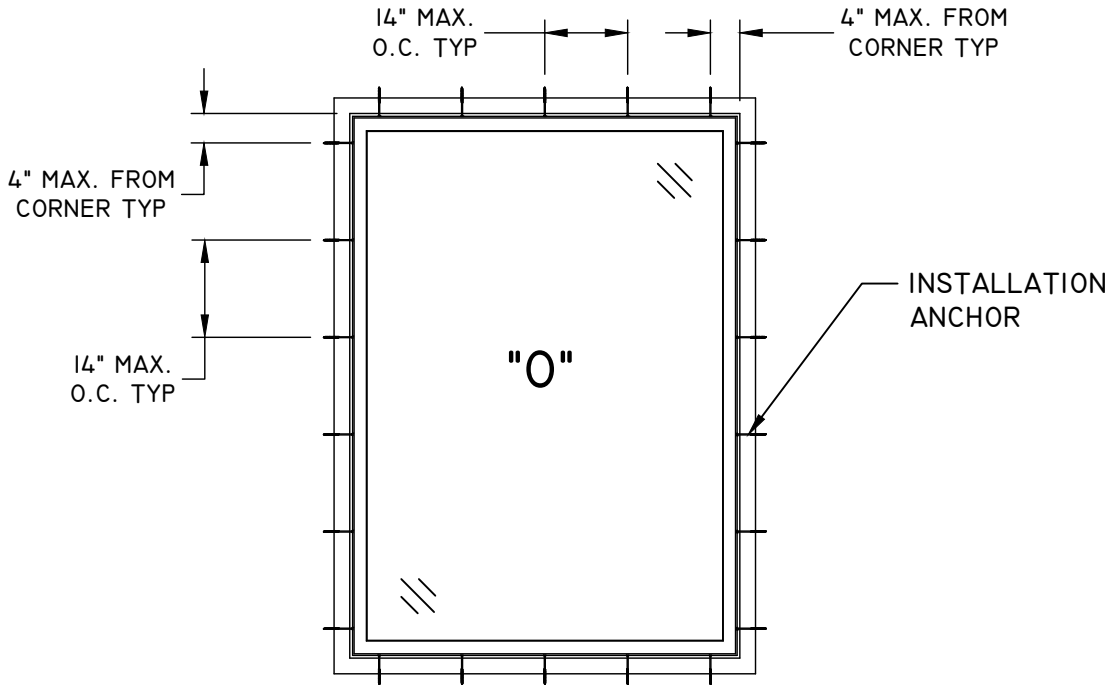
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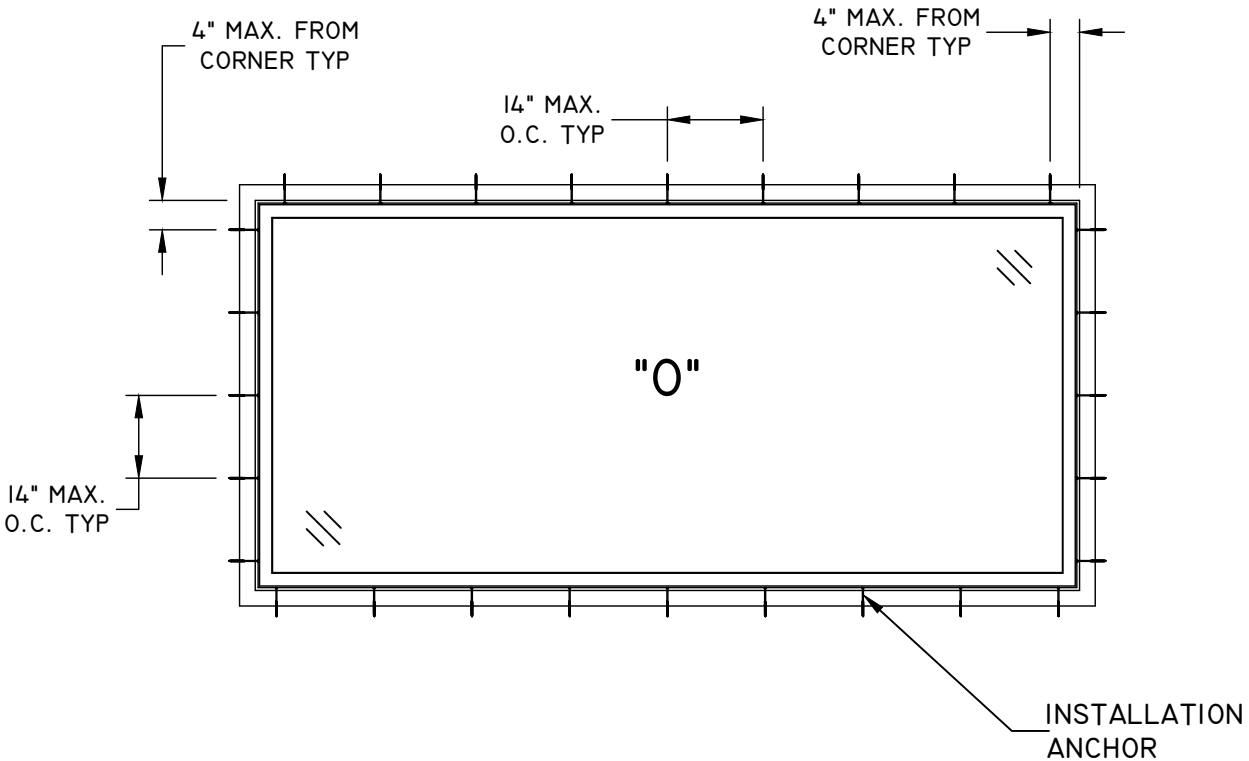
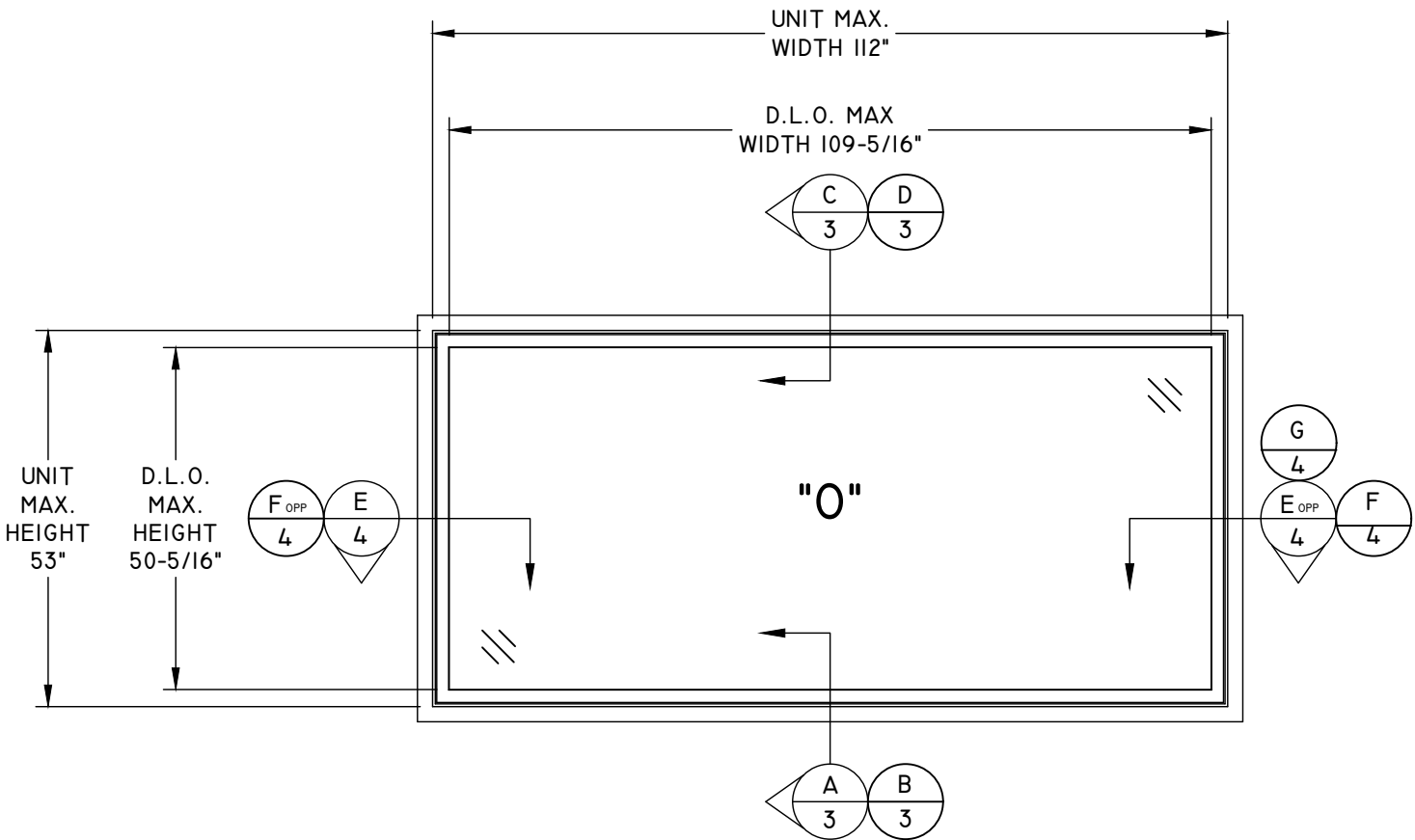
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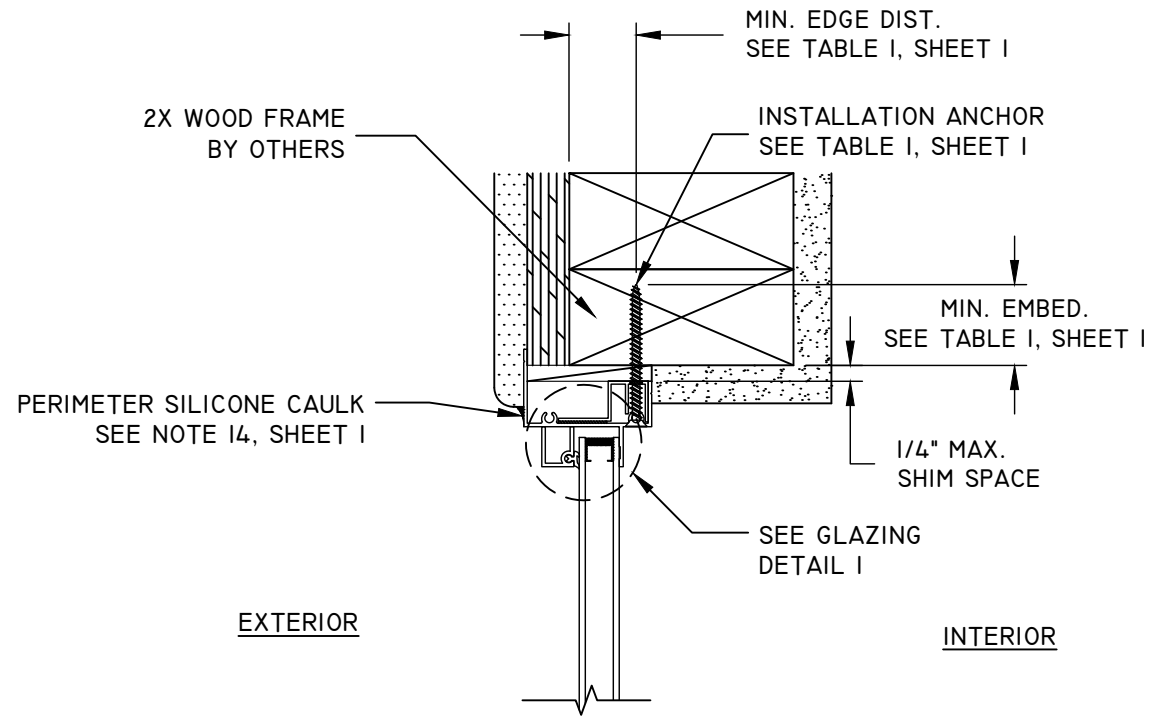


ELEVATION

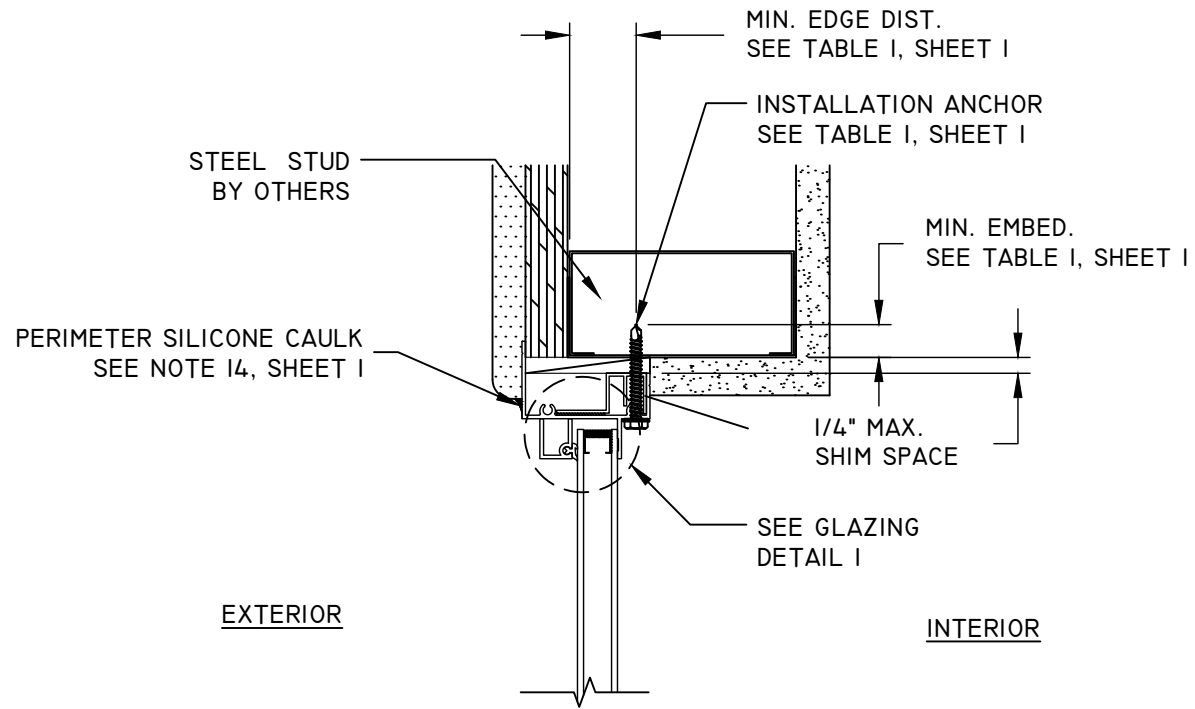


**ANCHOR LAYOUT
FLANGE**

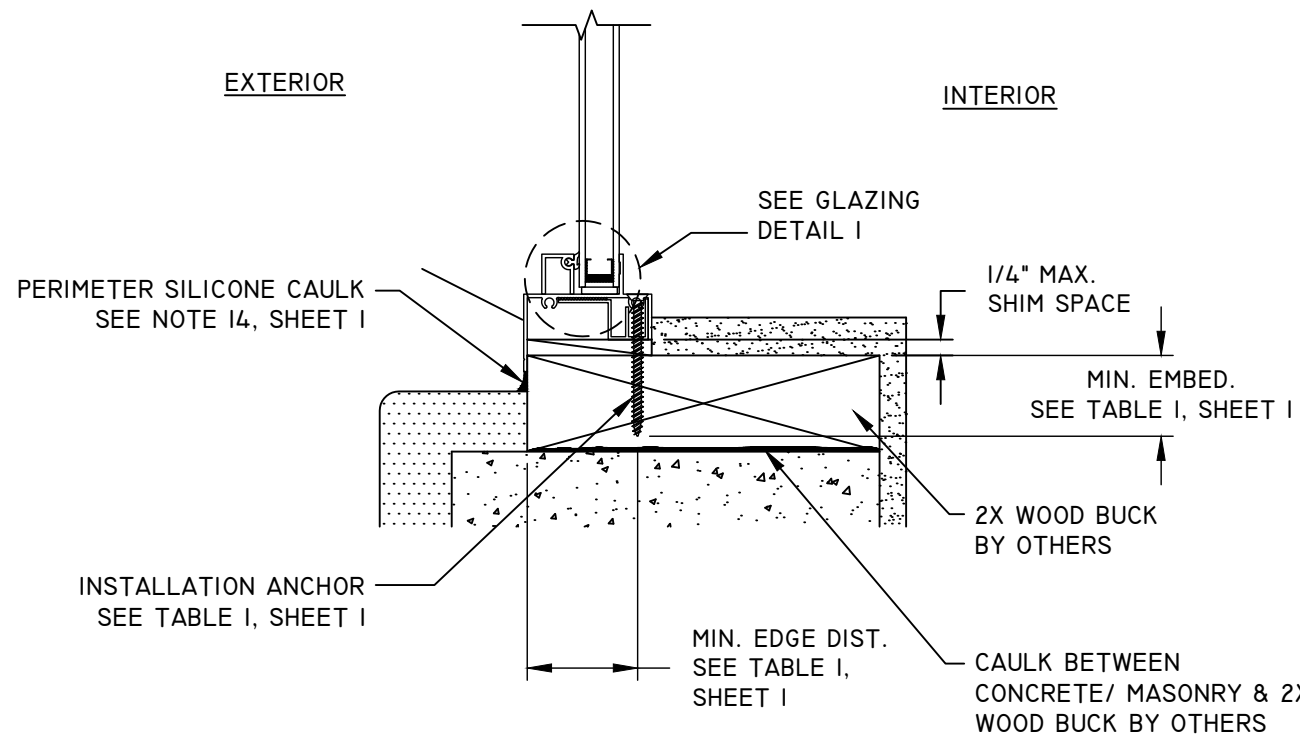




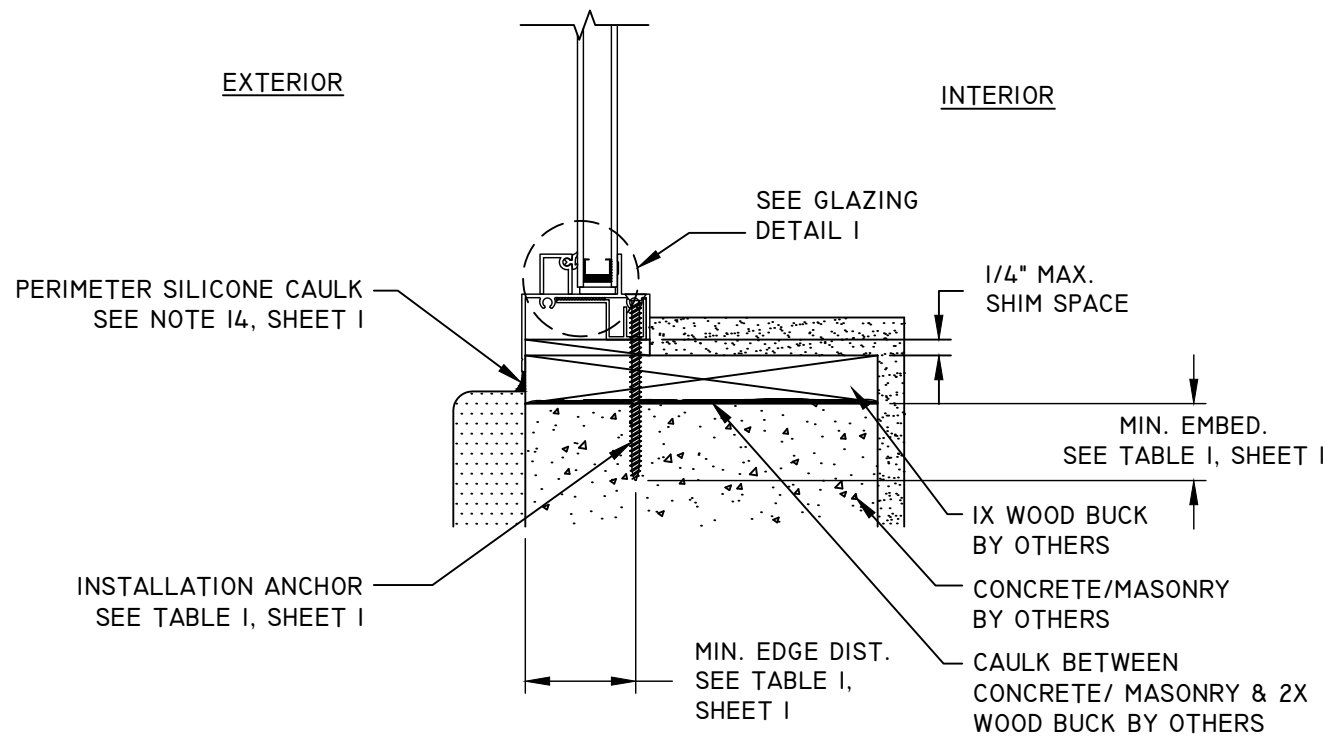
C
3 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME
FLANGE INSTALLATION



D
3 **VERTICAL SECTION**
HEAD - STEEL STUD
FLANGE INSTALLATION



A
3 **VERTICAL SECTION**
SILL - 2X WOOD BUCK
FLANGE INSTALLATION

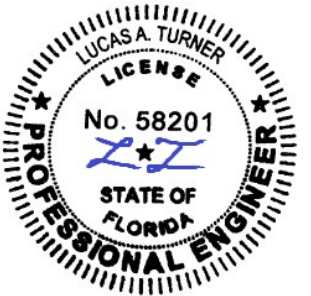


B
3 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
FLANGE INSTALLATION

TITLE: BUILDER SERIES 705FL FIXED WINDOW
VERTICAL SECTIONS

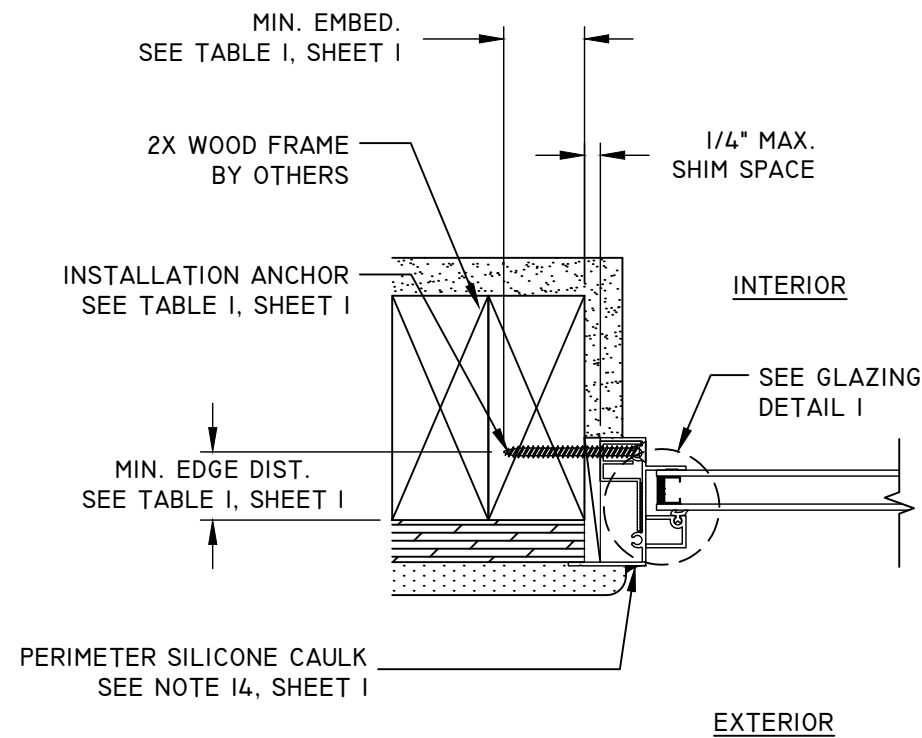
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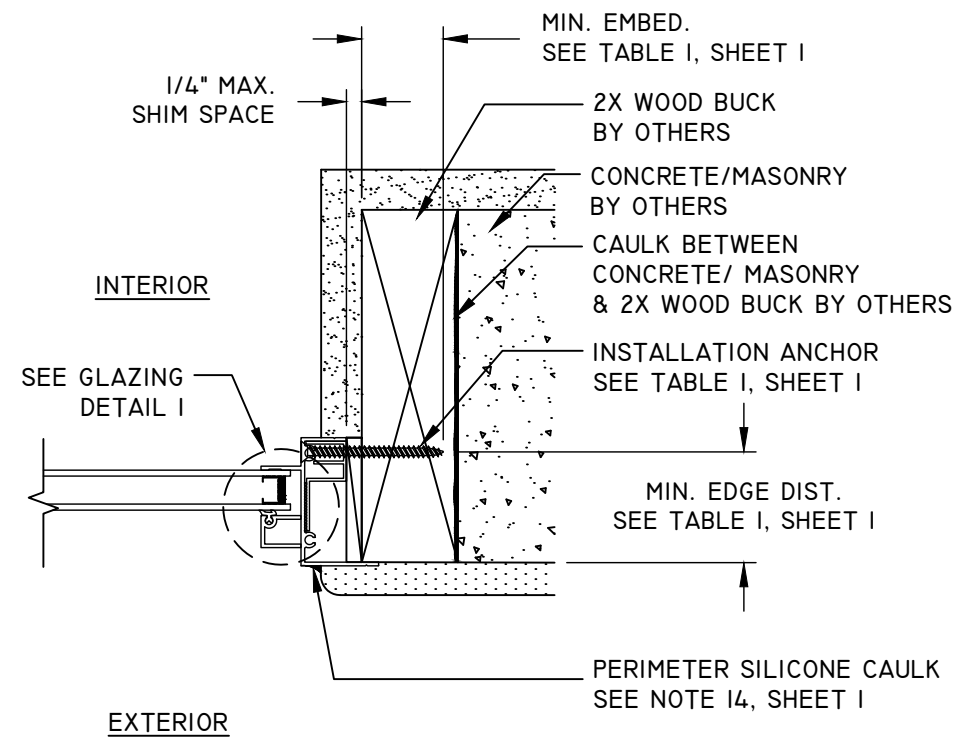


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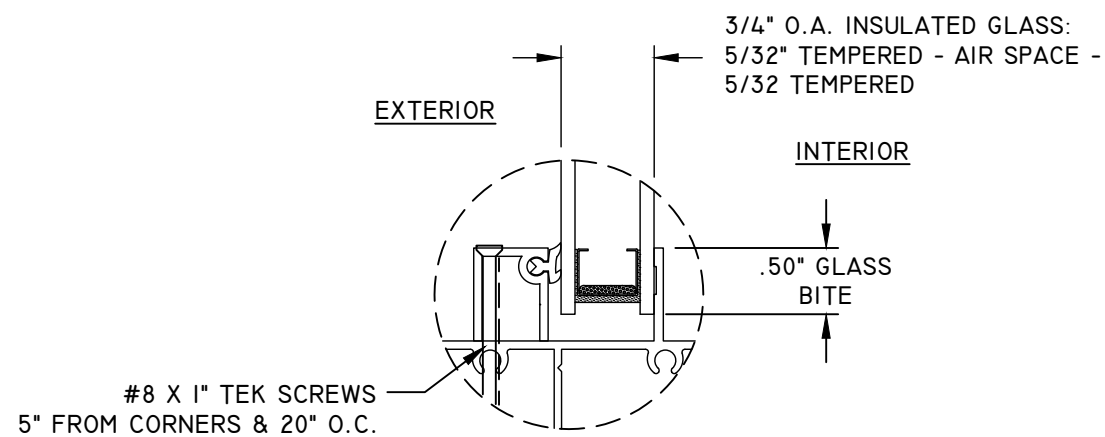
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SHEET: 3 OF 4



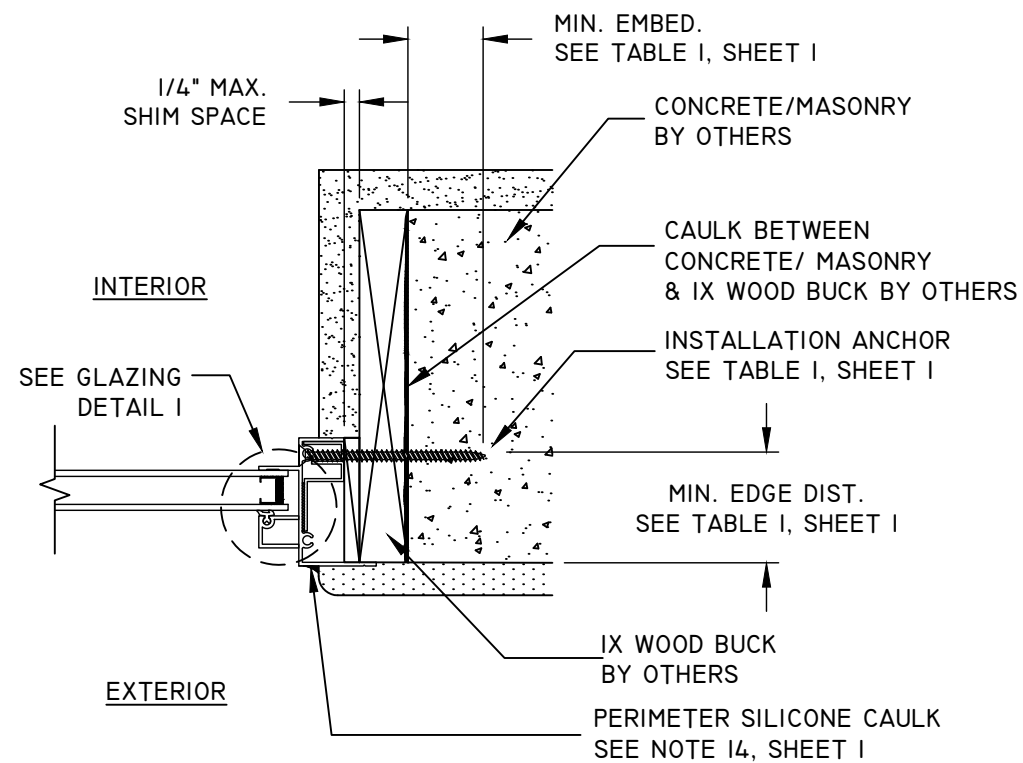
E
4 **HORIZONTAL SECTION**
JAMB - 2X WOOD FRAME
FLANGE INSTALLATION



F
4 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK
FLANGE INSTALLATION

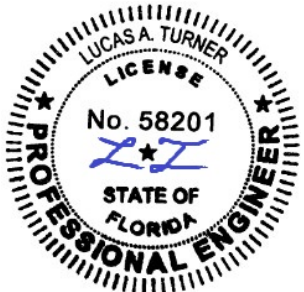


GLAZING DETAIL 1



G
4 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY
FLANGE INSTALLATION

TITLE: BUILDER SERIES 705FL FIXED WINDOW HORIZONTAL SECTIONS & GLAZING DETAIL	DATE	BY	REVISION DESCRIPTION			
	NO.	NO.	NO.	NO.	NO.	NO.
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