

# PLY GEM WINDOWS

## BUILDER SERIES 1140 VINYL OUTSWING

### CASEMENT WINDOW (NON-IMPACT)



433 N. MAIN ST.,  
PO BOX 559,  
ROCKY MOUNT, VA 24151  
PH: 540-484-6348  
FX: 540-484-6683

#### 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 E 2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
- INSTALLED GLAZING SHALL COMPLY WITH ASTM E 1300.
- 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  $C_d = 1.6$  WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
- PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS NATIONAL CERTIFIED TESTING LABORATORIES I10-I2901-I.
- 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			
36"	72"	LC-PG45	+45/-45 PSF	NON-IMPACT

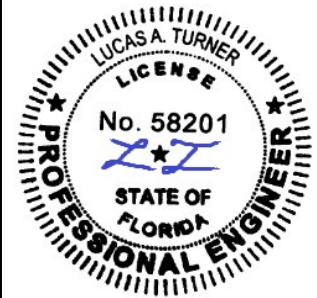
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SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATION & ANCHOR LAYOUT
3	VERTICAL & HORIZONTAL SECTIONS & GLAZING DETAIL

TABLE I: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
A	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	8D COMMON NAIL (0.131" MIN.) OR 0.120" MIN. ROOFING NAIL	2"	7/16"
B	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#8 WOOD SCREW	1-1/2"	7/16"

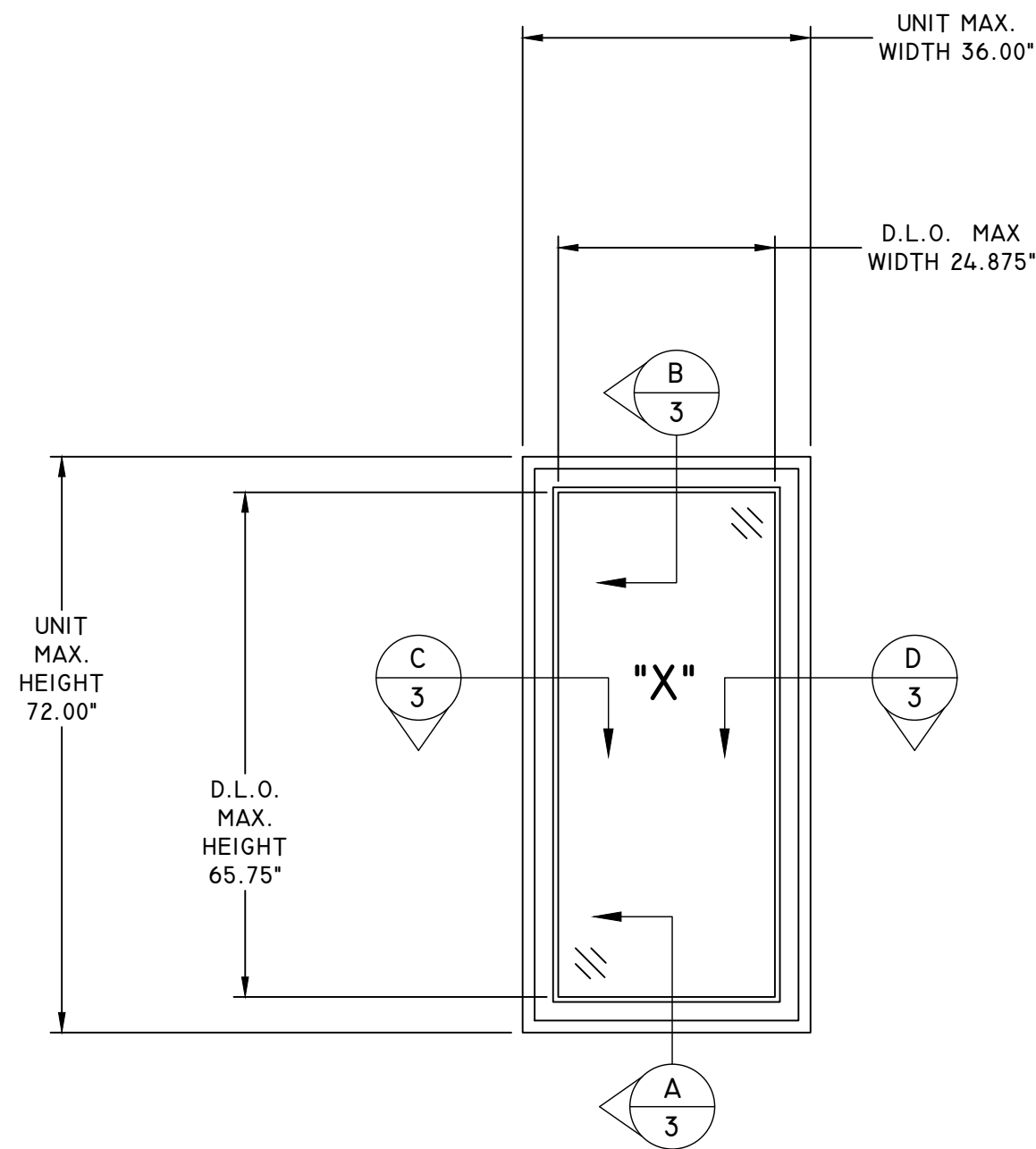
NOTE: ALL SCREWS SHALL HAVE MOD. TRUSS, PAN, OR HEX WASHER HEAD, 0.42" MIN. HEAD OR WASHER DIAMETER. ALL NAILS SHALL HAVE FULL ROUND HEAD (OR USE CAPS/WASHERS), 0.42" MIN. HEAD OR WASHER DIAMETER.

TITLE: BUILDER SERIES 1140 VINYL CASEMENT WINDOW INSTALLATION & GENERAL NOTES	DATE	BY	DATE
	02.22.12	SM	3.31.15
	DWN BY:	LMH	8.06.18
	GRN	LMH	11.19.20
	CHK BY:	LMH	12.05.23
SCALE:	REVISION DESCRIPTION		
NTS	B	C	D
	CODE CHANGE UPDATE		E
	UPDATED NOTES & ADDED TABLE I		
	7TH EDITION (2020) FBC		
	8TH EDITION (2023) FBC		

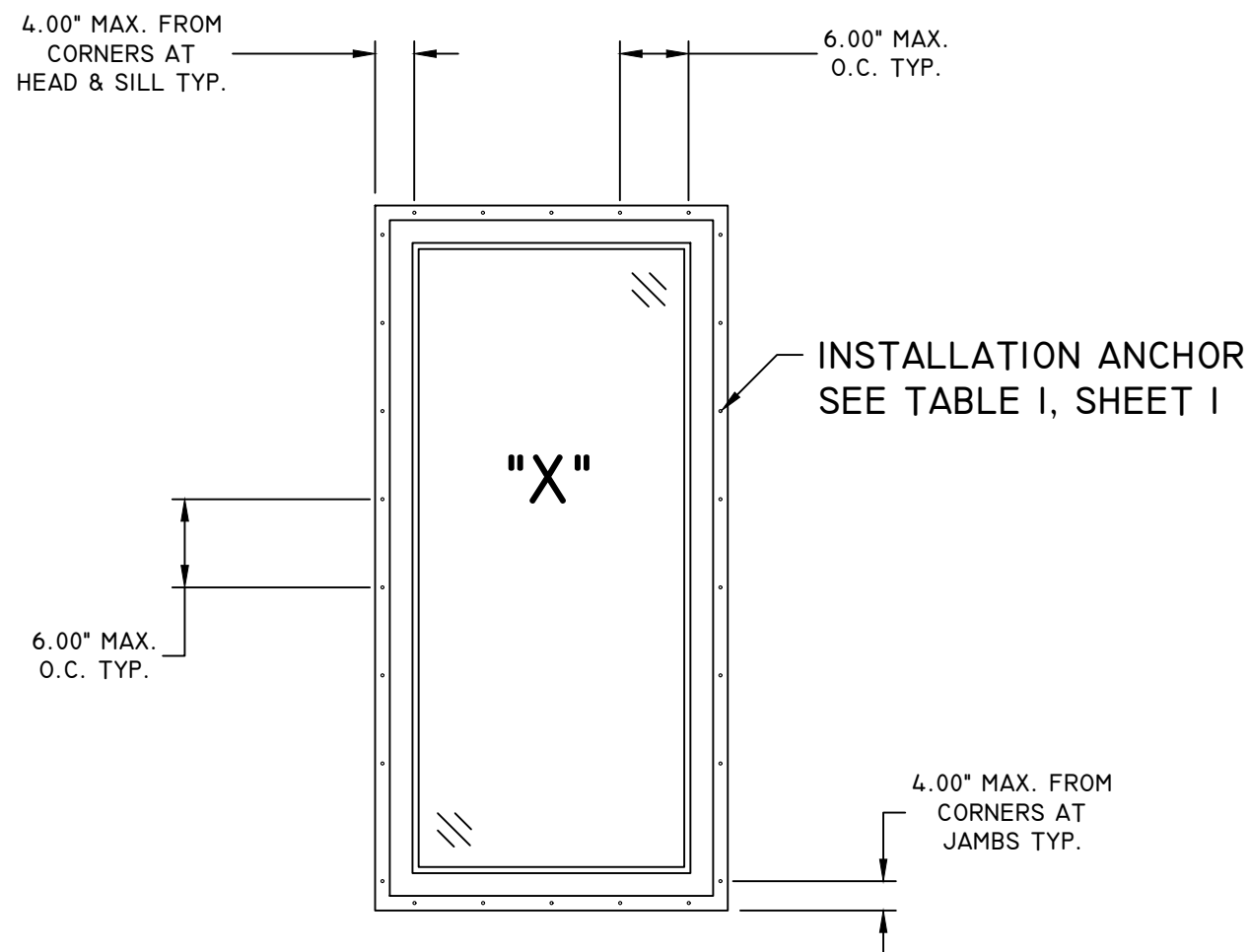


12/05/2023  
LUCAS A. TURNER, P.E.  
FL PE # 58201  
TURNER ENGINEERING & CONSULTING, INC.  
(COA # 29779)  
2428 OLD NATCHEZ TRACE  
TRAIL, CAMDEN, TN 38320  
PH. 941-380-1574

FL#: **15317**  
DWG #: **PGWI32**  
SHEET: **1 OF 3**



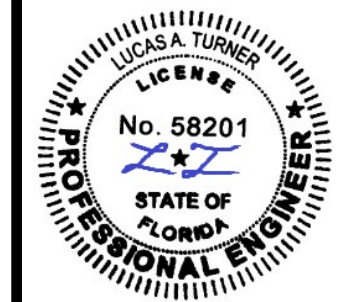
**ELEVATION**



**ANCHOR LAYOUT  
FIN**

TITLE: BUILDER SERIES 1140 VINYL CASEMENT WINDOW ELEVATION & ANCHOR LAYOUTS		BY	DATE
NO.	REVISION DESCRIPTION	SM	3.31.15
B	CODE CHANGE UPDATE	LMH	8.06.18
C	UPDATED NOTES & ADDED TABLE I	LMH	11.19.20
D	7TH EDITION (2020) FBC	LMH	12.05.23
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DATE:	DWN BY:	CHK BY:	SCALE:
02.22.12	GRN		NTS

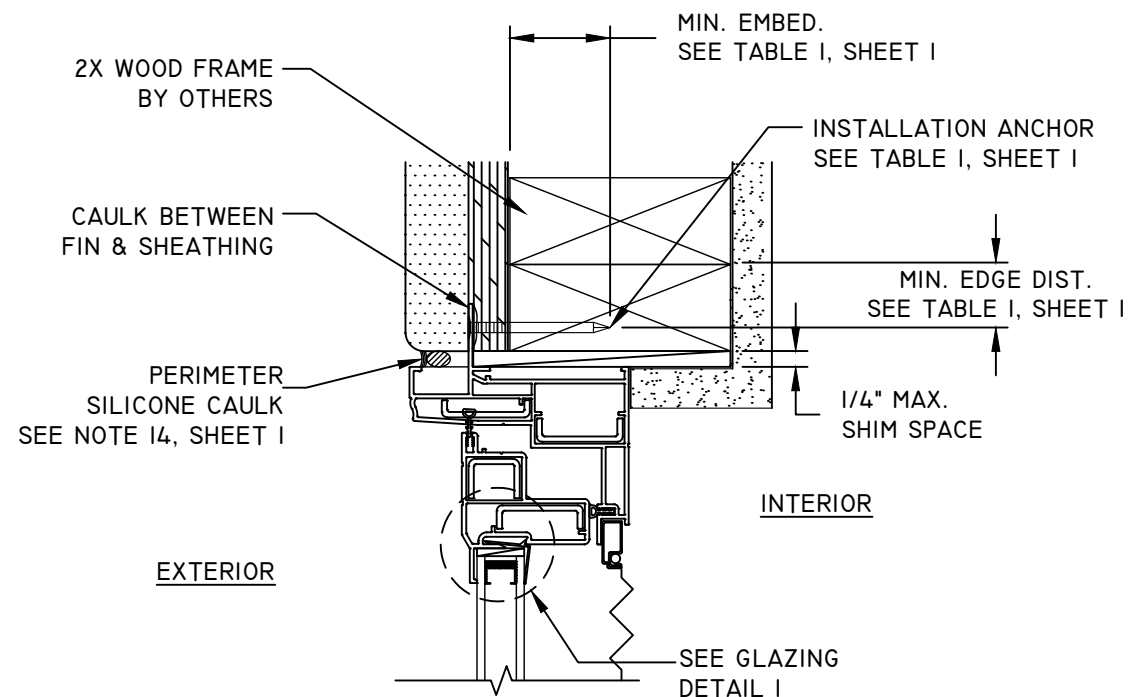


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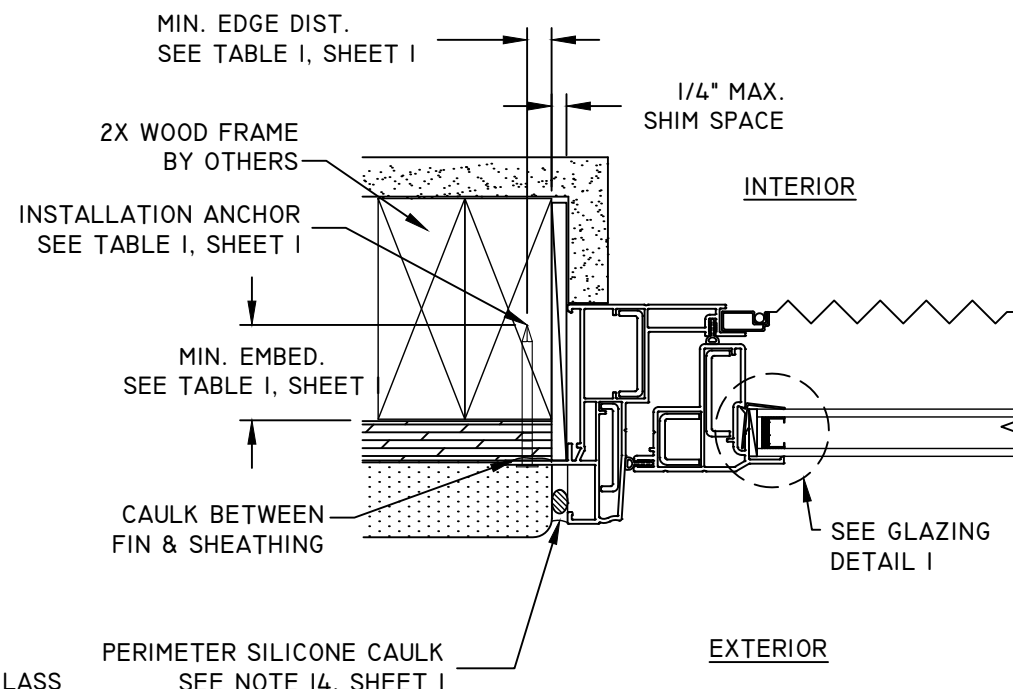
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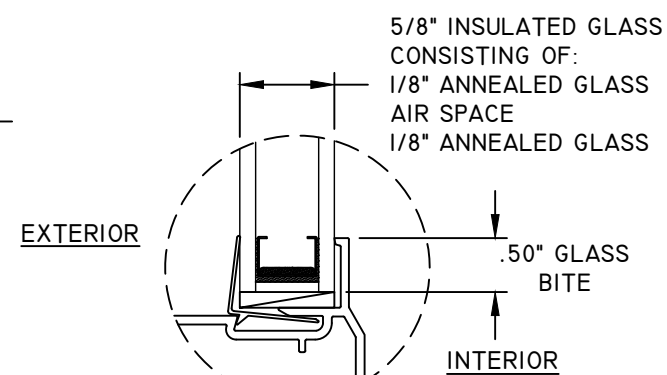
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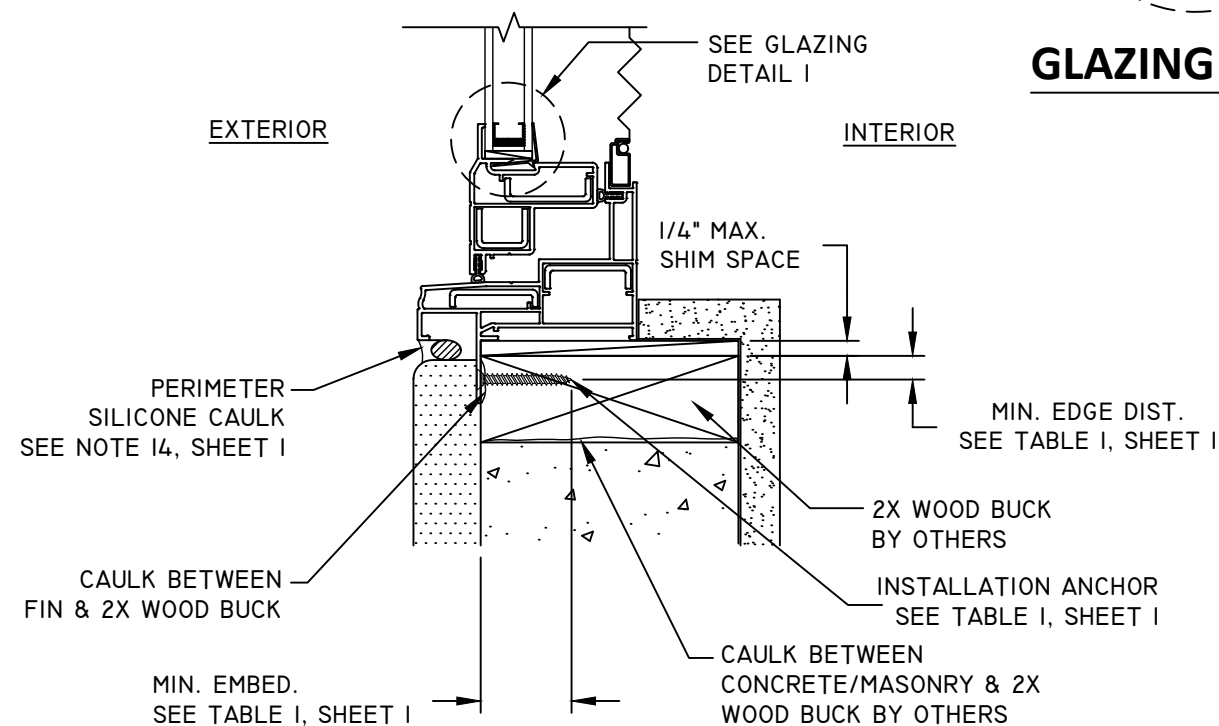
**B**  
**3** **VERTICAL SECTION**  
HEAD - 2X WOOD FRAME  
FIN INSTALLATION



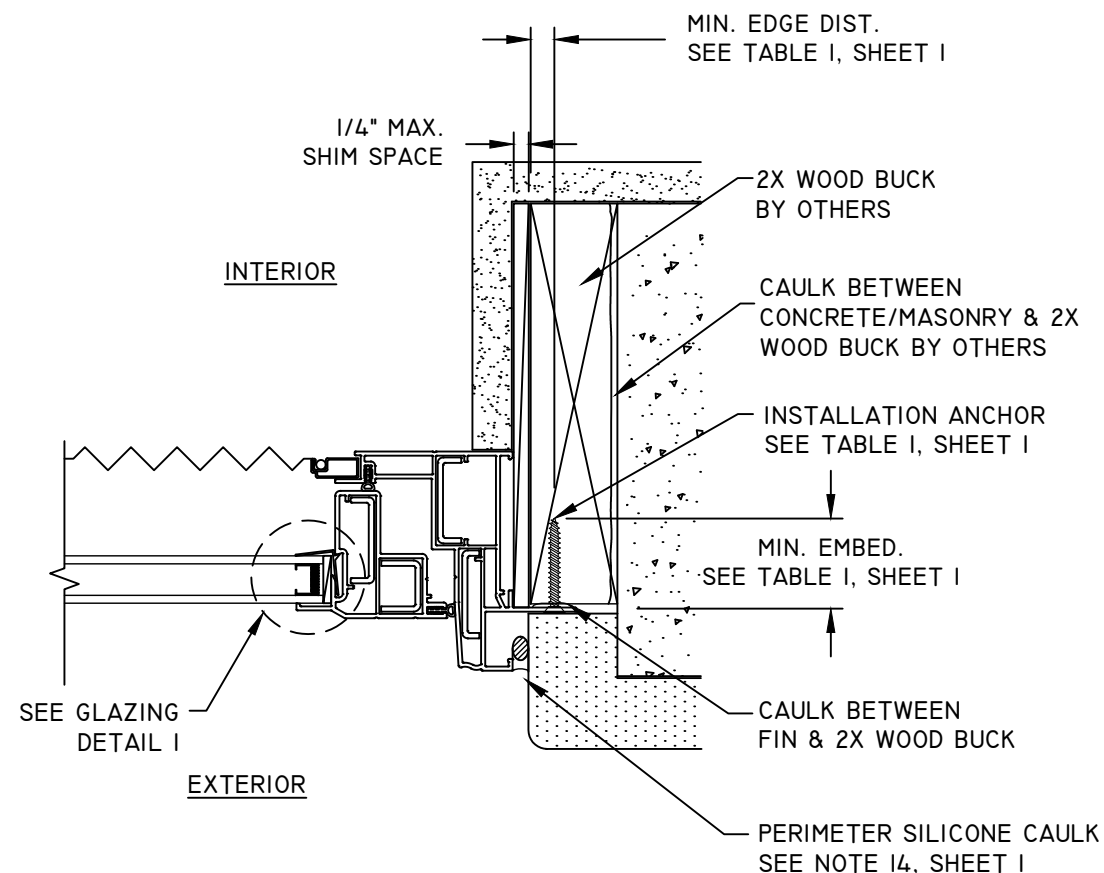
**C**  
**3** **HORIZONTAL SECTION**  
JAMB - 2X WOOD FRAME  
FIN INSTALLATION



**GLAZING DETAIL 1**

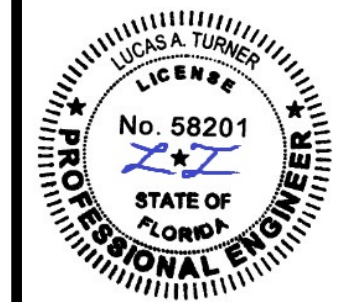


**A**  
**3** **VERTICAL SECTION**  
SILL - 2X WOOD BUCK  
FIN INSTALLATION



**D**  
**3** **HORIZONTAL SECTION**  
JAMB - 2X WOOD BUCK  
FIN INSTALLATION

TITLE: BUILDER SERIES 1140 VINYL CASEMENT WINDOW VERTICAL & HORIZONTAL SECTIONS & GLAZING DETAIL	NO.	REVISION DESCRIPTION	BY	DATE
	B	CODE CHANGE UPDATE	SM	3.31.15
	C	UPDATED NOTES & ADDED TABLE I	LMH	8.06.18
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SHEET: **3 OF 3**