

PLY GEM WINDOWS

PRO CLASSIC / 1500 / 5700 SERIES VINYL
SLIDING PATIO DOOR (NON-IMPACT)

NOTES:

1. 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.
2. WHEN USED IN AREAS REQUIRING IMPACT PROTECTION, THIS PRODUCT REQUIRES THE USE OF APPROVED IMPACT PROTECTIVE DEVICES (SHUTTERS).
3. 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.
4. 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.
5. 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).
6. 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.
7. 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.
8. 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.
9. INSTALLED GLAZING SHALL COMPLY WITH ASTM E1300.
10. 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.
11. A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
12. PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS NATIONAL CERTIFIED TESTING LABORATORIES I10-21566-I, I10-21567-I, I10-21604-I, I10-21605-I, I10-21610-I & I10-21608-8.
13. DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL.
14. 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			
95-1/2"	95-1/2"	LC-PG25	+25/-25 PSF	NON-IMPACT
95-1/2"	95-1/2"	LC-PG35	+35/-35 PSF	
71-1/2"	95-1/2"	LC-PG40	+40/-40 PSF	
71-1/2"	81-1/2"	LC-PG35	+35/-35 PSF	
71-1/2"	81-1/2"	LC-PG50	+55/-55 PSF	
71-1/2"	79-1/2"	LC-PG40	+40/-40 PSF	

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SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATIONS & ANCHOR LAYOUTS
3	VERTICAL/HORIZONTAL SECTIONS & GLAZING DETAIL

Lucas
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TABLE I: INSTALLATION FASTENERS TABLE				
ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
FIN INSTALLATION				
A	2X MIN. SOUTHERN PINE WOOD (G=0.55)	10D COMMON NAIL	2-1/2"	7/8"
B	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#8 WOOD SCREW	1-1/2"	3/8"
C	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"
FRAME INSATLLATION (ONE LOC. AT CENTER OF HEAD, SEE DET. A/2)				
D	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#8 WOOD SCREW	2"	5/8"
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"

*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.



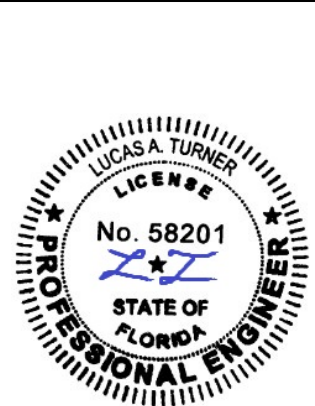
PLY GEM®
WINDOWS & DOORS

Part of the Cornerstone Building Brands Family

433 N. MAIN ST.,
PO BOX 559,
ROCKY MOUNT, VA 24151

PH: 540-484-6348
FX: 540-484-6683

TITLE: PRO CLASSIC/1500/5700 VINYL PATIO DOOR INSTALLATION & GENERAL NOTES	DATE	BY	REVISION DESCRIPTION	ADDED NOTES & TABLE I	7TH EDITION 2020 FBC / ECO 18-095	CURRENT FBC
	02.17.12	GRN				
	DWN BY:	CHK BY:	SCALE:			
	02.17.12	GRN	NTS			



LUCAS A. TURNER
LICENSE
No. 58201
STATE OF FLORIDA
PROFESSIONAL ENGINEER

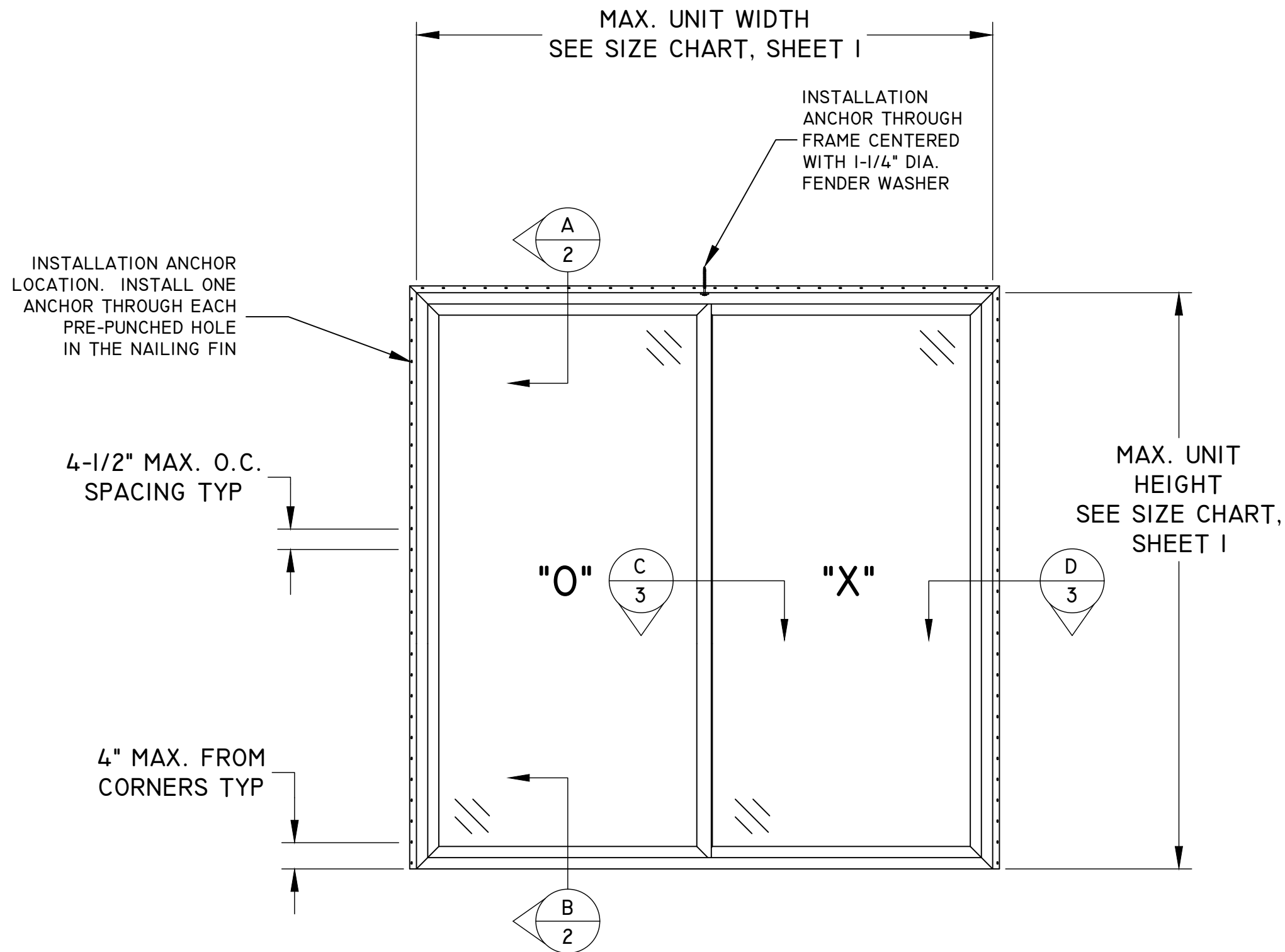
06/09/2026

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

FL#: 15297

DWG #: PGW114

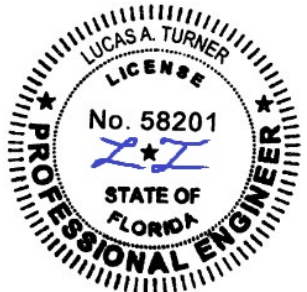
SHEET: 1 OF 3



TYPICAL ELEVATION WITH FASTENER SPACING

TITLE: PRO CLASSIC/1500/5700 VINYL PATIO DOOR ELEVATION & ANCHOR DETAILS	DATE	BY	REVISION DESCRIPTION	NO.
	03.04.19	LMH	ADDED NOTES & TABLE 1	A
	12.15.20	LMH	7TH EDITION 2020 FBC / ECO 18-095	B
	06.09.26	LMH	CURRENT FBC	C

DATE: 02.17.12	DWN BY: GRN	CHK BY:	SCALE: NTS
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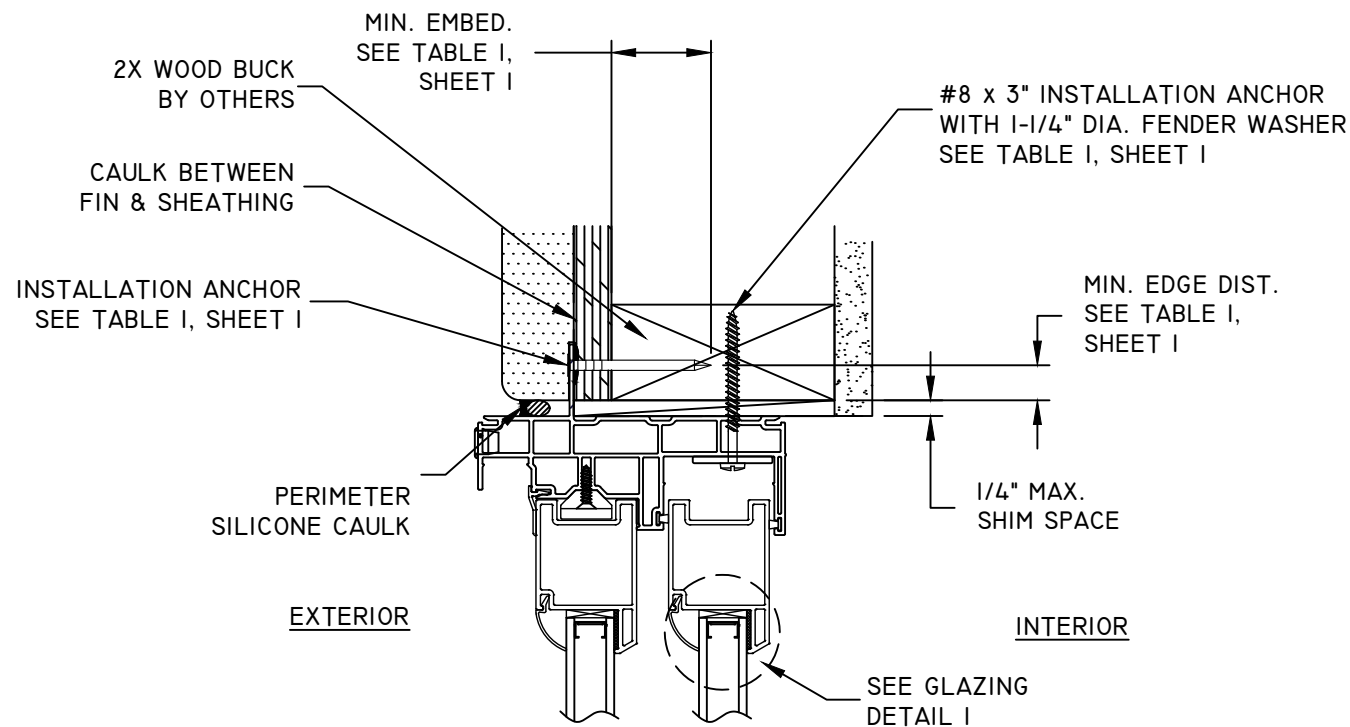


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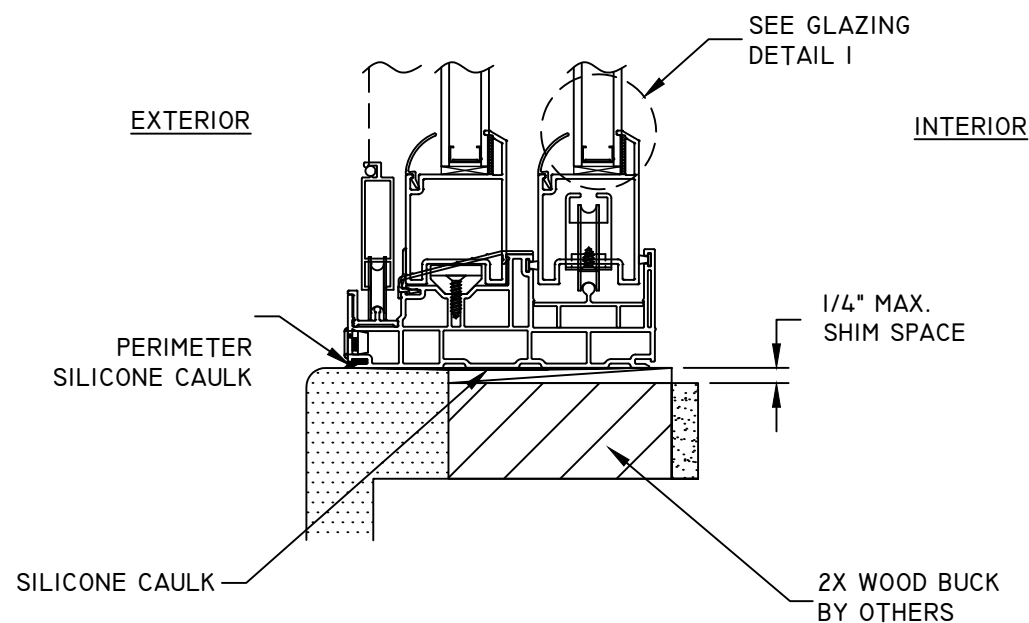
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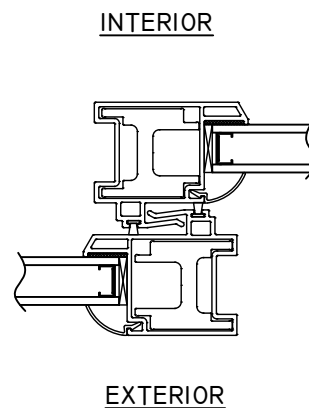
SHEET: **2 OF 3**



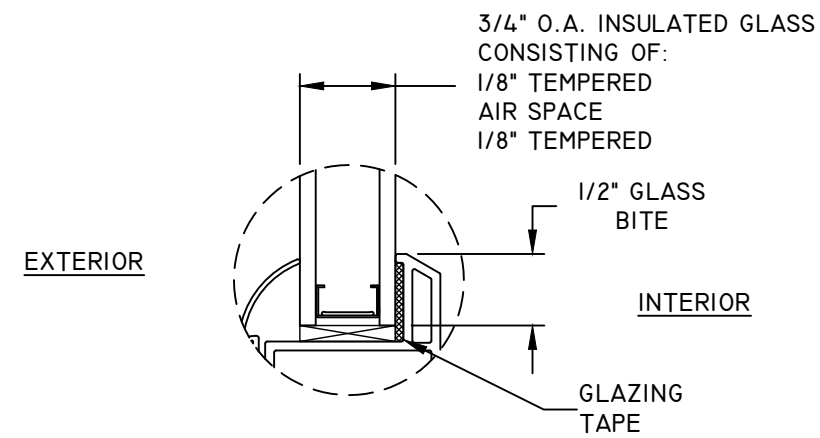
A
2 **VERTICAL SECTION**
2X WOOD STUD SUBSTRATE - HEAD
PATIO DOOR



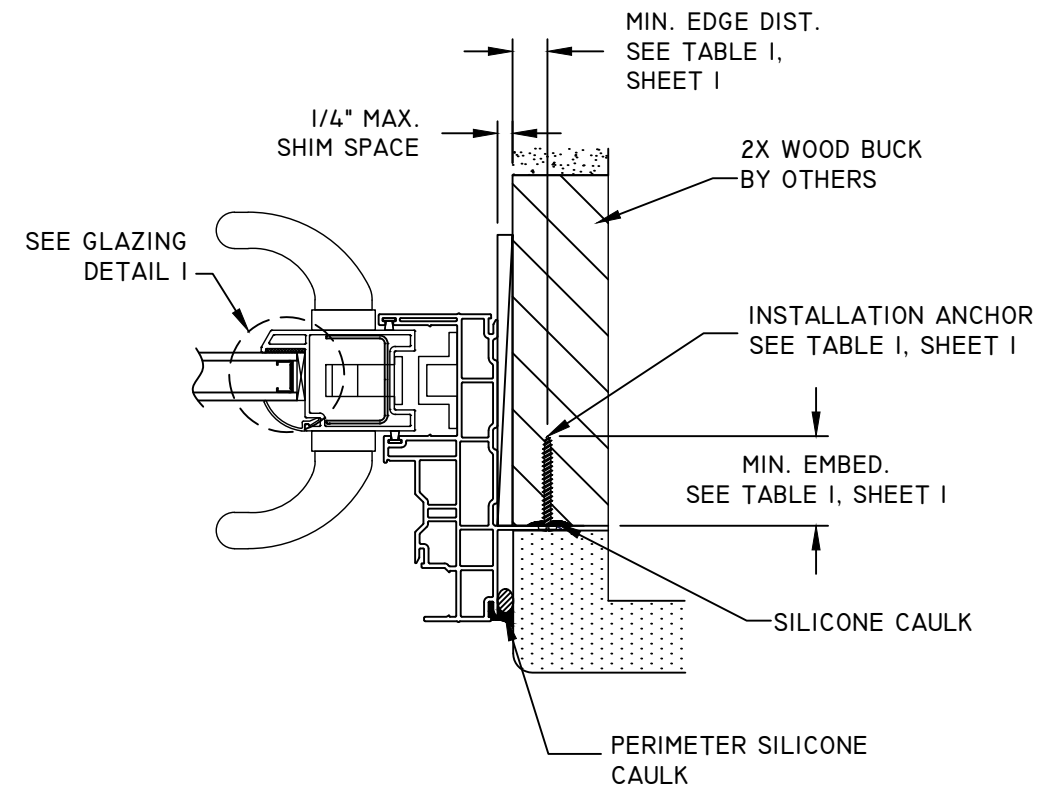
B
2 **VERTICAL SECTION**
SILL
PATIO DOOR



C
3 **HORIZONTAL SECTION**
INTERLOCK
PATIO DOOR



GLAZING DETAIL 1



D
3 **HORIZONTAL SECTION**
JAMB
PATIO DOOR

TITLE: PRO CLASSIC/1500/5700 VINYL PATIO DOOR VERTICAL / HORIZONTAL SECTIONS & GLAZING DETAIL	REVISION		DATE	
	NO.	DESCRIPTION	BY	DATE
DATE: 02.17.12	A	ADDED NOTES & TABLE I	LMH	03.04.19
	B	7TH EDITION 2020 FBC / ECO 18-095	LMH	12.15.20
	C	CURRENT FBC	LMH	06.09.26
DWN BY: GRN	SCALE: NTS			
CHK BY:				



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SHEET: **3 OF 3**