PLY GEM WINDOWS SERIES 1500 SINGLE HUNG WINDOW

NOTES:

- I. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE AND 2018 INTERNATIONAL RESIDENTIAL CODE.
- 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 I-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 E 2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
- 9. INSTALLED GLAZING SHALL COMPLY WITH ASTM E 1300.
- 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.
- II. 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 110-15596-1 & -2, 110-15597-1, 110-15598-1, 110-15599-1 & -2. 110-15600-1. 110-1601-1. 110-15602-1. 110-15605-1. 110-16027-1. IIO-16028-I, IIO-16245-I, IIO-19262-I, IIO-19348-I THRU -5, IIO-19792-I, 110-20228-1 & 110-20318-1.
- 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 WIDTH HEIGHT		PRODUCT RATING	MAX. DESIGN PRESSURE	GLAZING TYPE / CONFIG.	
52-1/8"	62"	LC-PG50	+50/-50 PSF	TYPE GI	
53"	77-1/8"	LC-PG40	+40/-40 PSF	EVEN SASH	
35-15/16"	84"	LC-PG50	+50/-50 PSF		
40"	72"	LC-PG50	+50/-50 PSF		
48"	72"	LC-PG50	+50/-50 PSF		
44"	77-1/8"	LC-PG40	+40/-40 PSF	TYPE	
35-15/16"	73 5/ 6"	LC-PG35	+35/-35 PSF	GI OR G2 / EVEN SASH	
35-15/16"	73 5/ 6"	LC-PG50	+50/-50 PSF		
35-1/2"	61-1/2"	LC-PG50	+55/-55 PSF		
47-1/2"	59-1/2"	LC-PG50	+50/-50 PSF		
48-1/16"	95-15/16"	LC-PG30	+30/-35 PSF		
48-1/16"	95-15/16"	LC-PG25	+25/-30 PSF	TYPE GI OR G2 /	
35-1/2"	77"	LC-PG35	+35/-35 PSF	ORIEL SASH	
35-1/2"	77"	LC-PG50	+50/-50 PSF		
44-1/16"	77-1/8"	LC-PG40	+40/-40 PSF		
36-1/16"	74-1/16"	LC-PG50	+50/-50 PSF	TYPE G2 / EVEN SASH	
35-7/16"	73-1/2"	LC-PG35	+35/-35 PSF		
35-15/16"	61 15/16"	LC-PG35	+35/-35 PSF	TYPE G3 / EVEN SASH	
35-1/2"	73-1/2"	LC-PG30	+30/-30 PSF		
40-1/16"	72"	LC-PG25	+35/-35 PSF		
43-15/16"	77-1/8"	LC-PG25	+25/-25 PSF		
53"	77-1/8"	LC-PG50	+50/-50 PSF	TYPE G4 / EVEN SASH	

(NON-IMPACT)

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TABLE I: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE	
	FIN INSTALLATION				
Α	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42)	#8 WOOD SCREW	1-1/2"	7/16"	
В	16 GAUGE (0.060") STEEL 36 KSI MIN. OR 1/8" ALUM. 6063-T5 MIN.		FULL, PLUS 3 THREADS MIN.	7/16"	
	FRAME OR CLIP INSTALLATION				
С	CONCRETE (2 KSI MIN.)	3/16" ITW TAPCON	I-I/2"	1-1/8"	
D	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	l"	2"	
Е	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" ITW TAPCON	1-3/8"	7/8"	
F	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1-3/4"	1-1/8"	
G	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON	1-1/4"	2-1/2"	
Н	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"	
_	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 AND TAPCONS SHALL HAVE MOD. TRUSS, PAN. OR HEX WASHER HEAD. 0.42" MIN. HEAD OR WASHER DIAMETER FOR FIN ANCHORS, 0.355" MIN. HEAD OR WASHER DIAMETER FOR FRAME ANCHORS

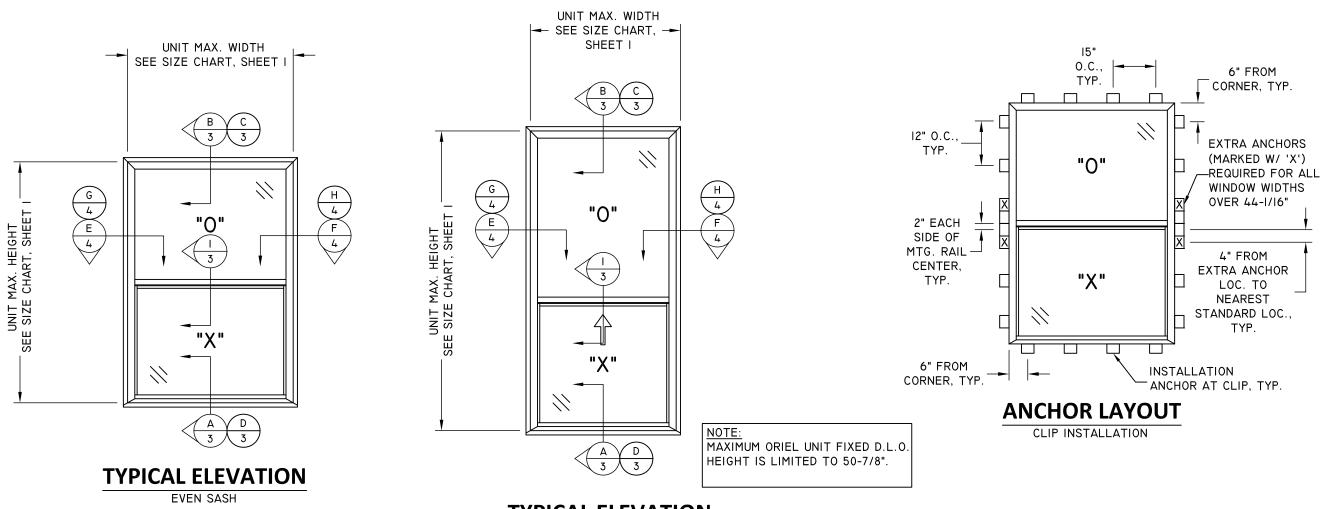
	RESIDENTIAL SOLUTIONS						
	Adivision of Commentone Building Broads 433 N. MAIN ST., PO BOX 559, ROCKY MOUNT, VA 24151 PH: 540-484-6348 FX: 540-484-6683						
	TITLE: SERIES 1500 SINGLE HUNG WINDOW INSTALLATION AND GENERAL NOTES	DATE	LМН 12.01.20				
		ВҮ	ПМП				
		REVISION DESCRIPTION	RELEASE TO TDI				
		NO.	٧				
	DATE: 9.18.13	DWN BY: NO.	CHK BV.		SCALE:	NTS	

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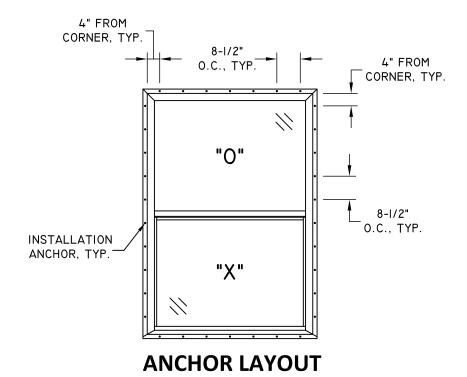


RAIL, CAMDEN, TN 3832

WIN-1769



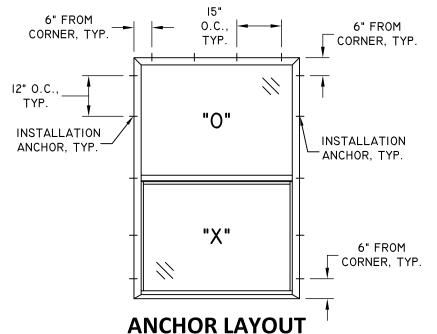




FIN INSTALLATION

TABLE I, SHEET I

FASTENER ID "A" & "B" ONLY



FRAME INSTALLATION

TABLE I, SHEET I

FASTENER ID "C"-"D"-"E"-"F"-"G"-"H" & "I"



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CHK BY:

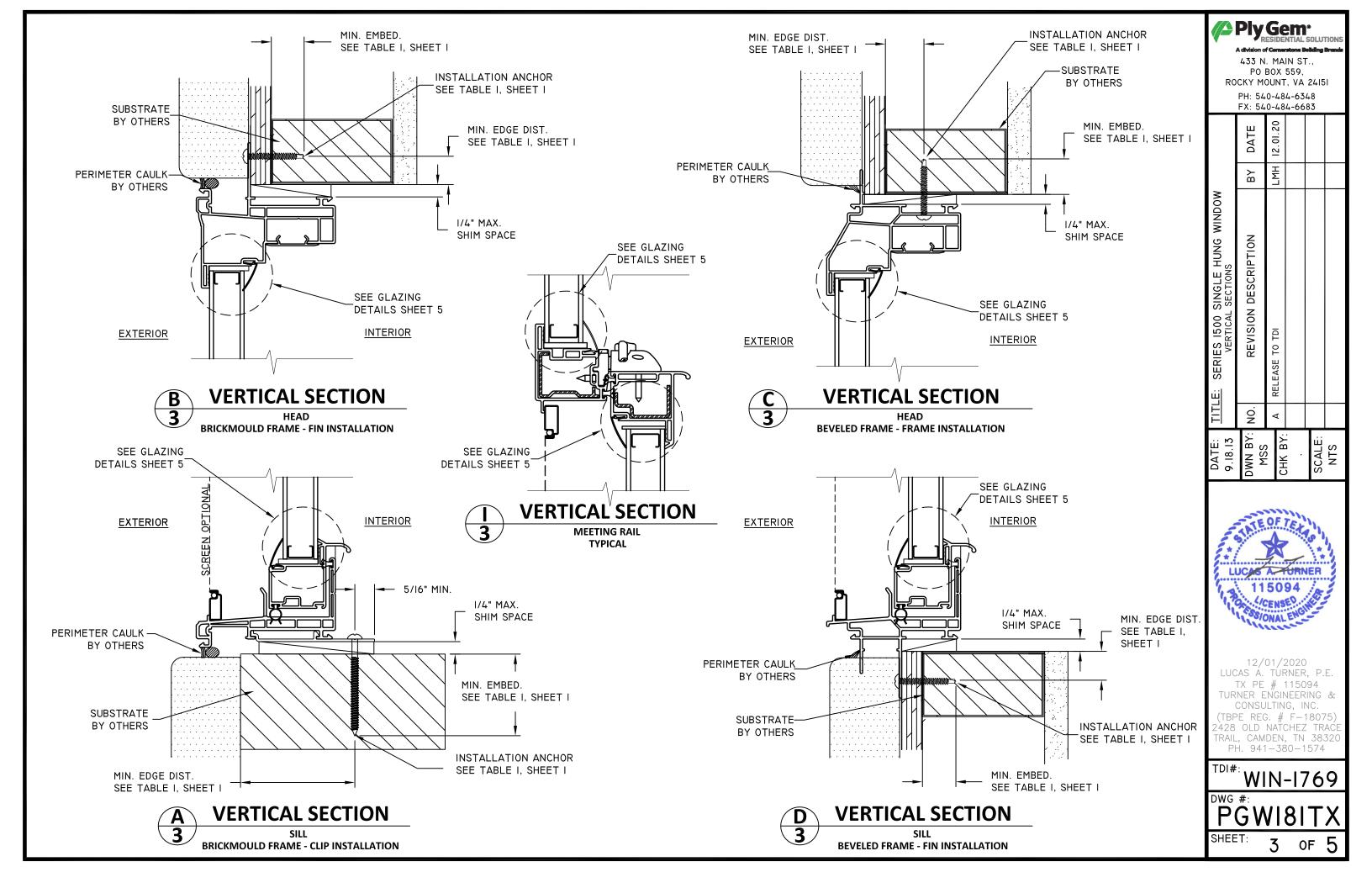
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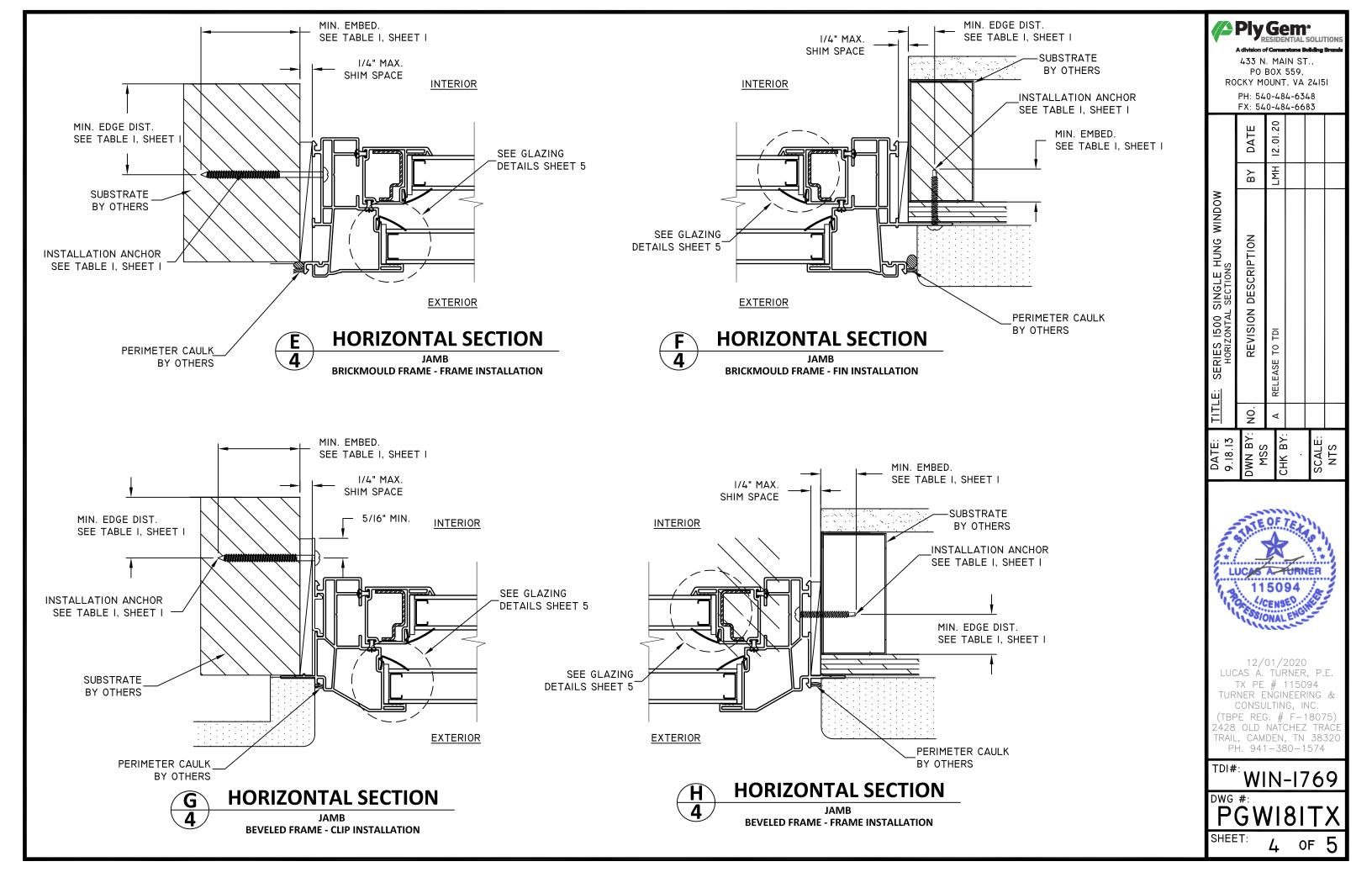
12/01/2020
LUCAS A. TURNER, P.E.
TX PE # 115094
TURNER ENGINEERING &
CONSULTING, INC.
(TBPE REG. # F-18075)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

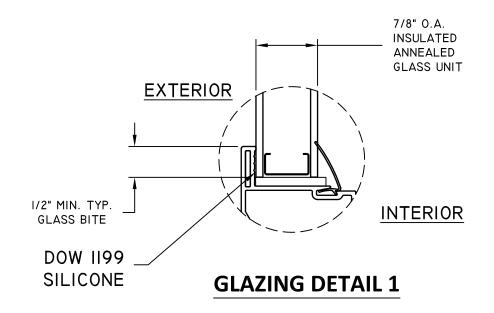
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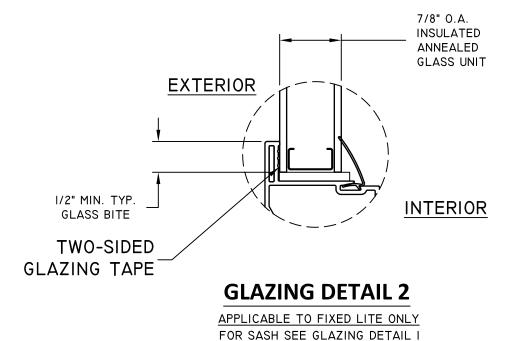
PGWI8IT

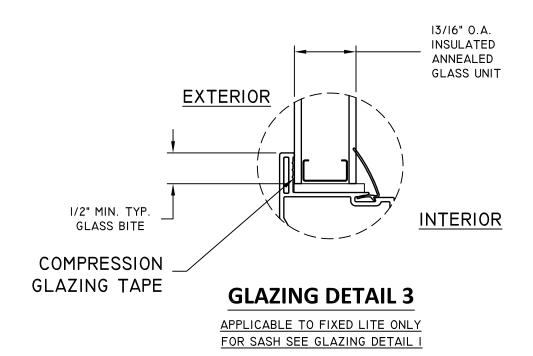
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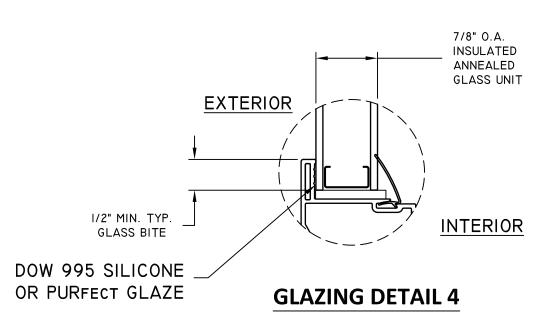


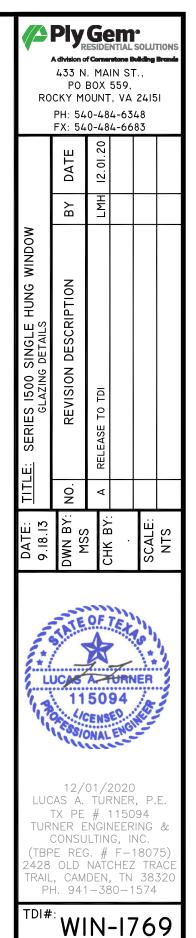












PGWI8I

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