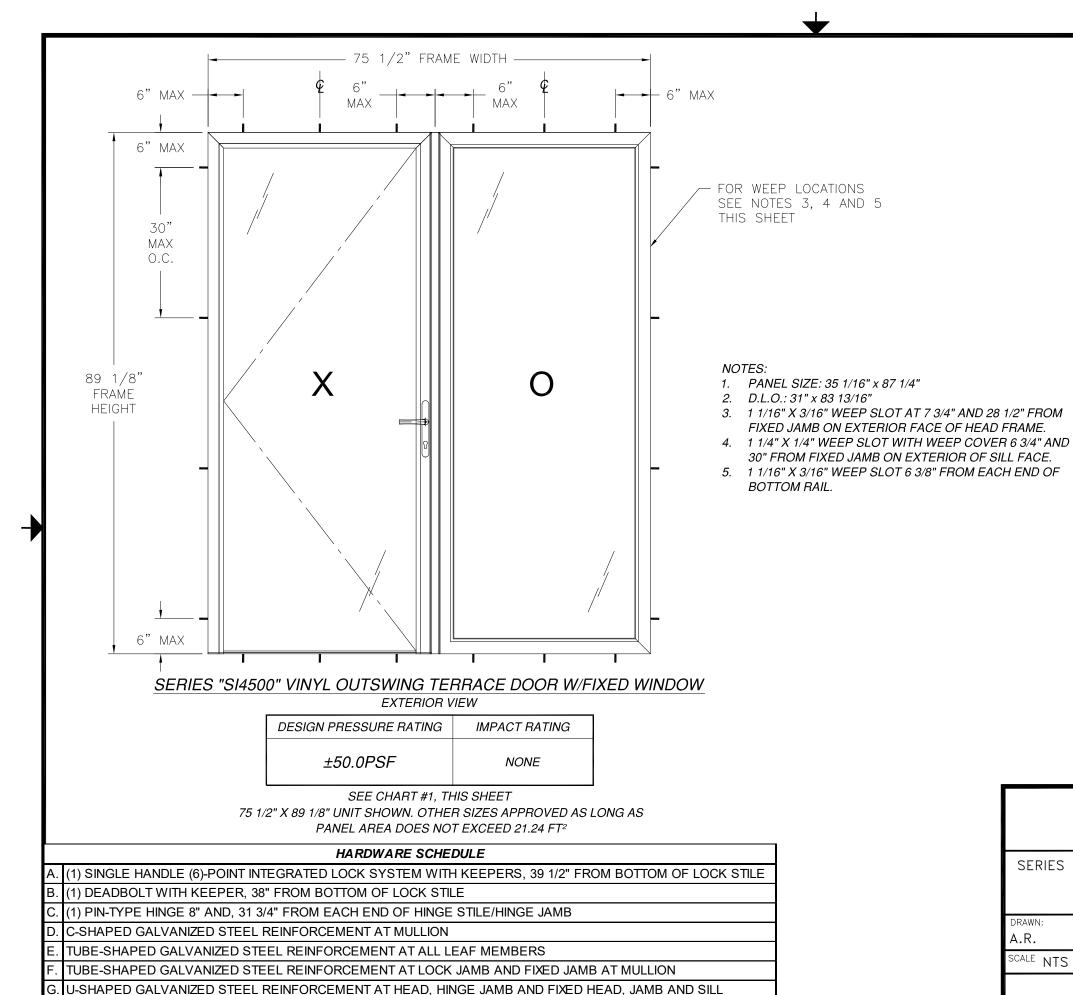
REVISIONS					
REV	DESCRIPTION	DATE	APPROVED		
Α	REVISED PER NEW REQUIREMENTS	11/05/2020	R.L.		

NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
- 4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
- 5. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
- 6. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
- 8. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
- 10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 11. FRAME MATERIAL: EXTRUDED RIGID PVC.
- 12. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
- 13. APPROVED IMPACT PROTECTIVE SYSTEM <u>IS REQUIRED</u> FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

- 15. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 16. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 17. ALL FASTENERS TO BE CORROSION RESISTANT.
- 18. 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 BELOW:
 - A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM
- 19. APPROVED CONFIGURATIONS: XO, OX, X.

		,	31	INNOVATION ROBERTS IN GROVE, PA	ROAD		IN ICENS
		SERIES "SI4500" VINYL OUTSWING TERRACE DOOR W/FIXED WINDOW NON-IMPACT NOTES				No. 62514 *	
	TABLE OF CONTENTS	DRAWN:	I	DWG NO.		REV	ORIDA
SHEET NO.	DESCRIPTION	A.R.		08	-03142	Α	SONAL ENGLIS
1	NOTES	SCALE NTS	DATE 07	/13/17	SHEET 1 OF 9		Milling
2	ELEVATION			ROBERTO LOMA			Luis R. Lomas P.E.
3 – 9	INSTALLATION DETAILS	1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		FL No.: 62514			



U-SHAPED GALVANIZED STEEL REINFORCEMENT AT LOCK AND FIXED JAMB

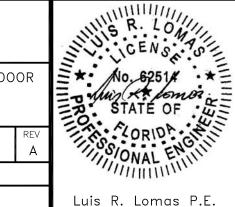
	REVISIONS				
REV	DESCRIPTION	DATE	APPROVED		
Α	REVISED PER NEW REQUIREMENTS	11/05/2020	R.L.		

Chart #1

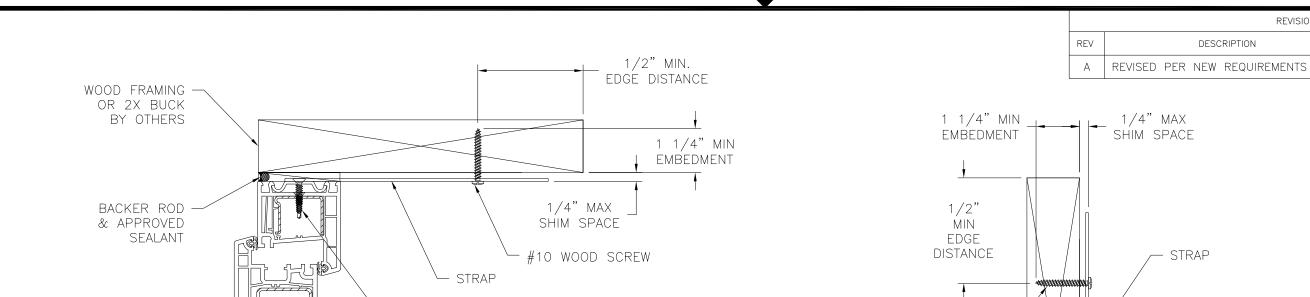
	Chart #1						
Maximum Design pressure				e (psf)			
Panel Single Panel Width (in)				ı (in)			
Height	24.0		30	30.0		36.0	
(in)	Pos	Neg	Pos	Neg	Pos	Neg	
78.0	53.3	75.0	53.3	64.7	53.3	54.5	
84.0	53.3	70.7	53.3	59.0	50.6	50.6	
90.0	53.3	64.1	52.2	52.2	-	-	
96.0	52.7	52.7	42.7	42.7	-	-	
102.0	43.8	43.8	-	-	-	-	
108.0	36.8	36.8	-	-	-	-	
114.0	31.2	31.2	-	-	-	-	
120.0	26.7	26.7	-	-	-	-	
126.0	23.0	23.0	-	-	-	-	

SIGNED: 11/19/2020

SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963 SERIES "SI4500" VINYL OUTSWING TERRACE DOOR W/FIXED WINDOW NON-IMPACT ELEVATION DRAWN: DWG NO. A.R. 08-03142 SCALE NTS DATE 07/13/17 SHEET 2 OF 9 L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com



Luis R. Lomas P.E. FL No.: 62514



(1) #10 X 1" FH

SÉLF DRILLING

SCREW

SILICONE

EXTERIOR INTERIOR SILICONE FOR WEEP LOCATIONS SEE NOTES 3, 4 & 5 #10 WOOD SCREW SHEET 2 BACKER ROD & APPROVED 1/4" MAX SEALANT SHIM SPACE WOOD FRAMING OR 2X BUCK 1 1/4" MIN BY OTHERS EMBEDMENT 1/2" MIN EDGE DISTANCE

> VERTICAL CROSS SECTION WOOD FRAMING OR 2X BUCK INSTALLATION

SHIM SPACE STRAP (1) #10 X 1" FH ŠÉLF" DRILLING SCREW #10 WOOD SCREW INTERIOR WOOD FRAMING -OR 2X BUCK BY OTHERS BACKER ROD & APPROVED **EXTERIOR SEALANT**

JAMB INSTALLATION DETAIL WOOD FRAMING OR 2X BUCK INSTALLATION

REVISIONS

DATE

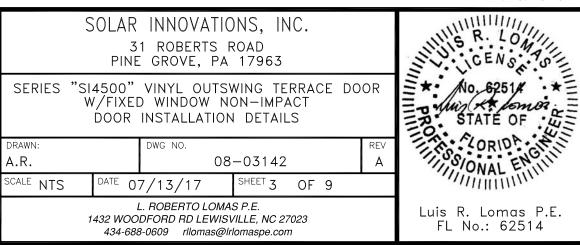
11/05/2020 R.L.

APPROVED

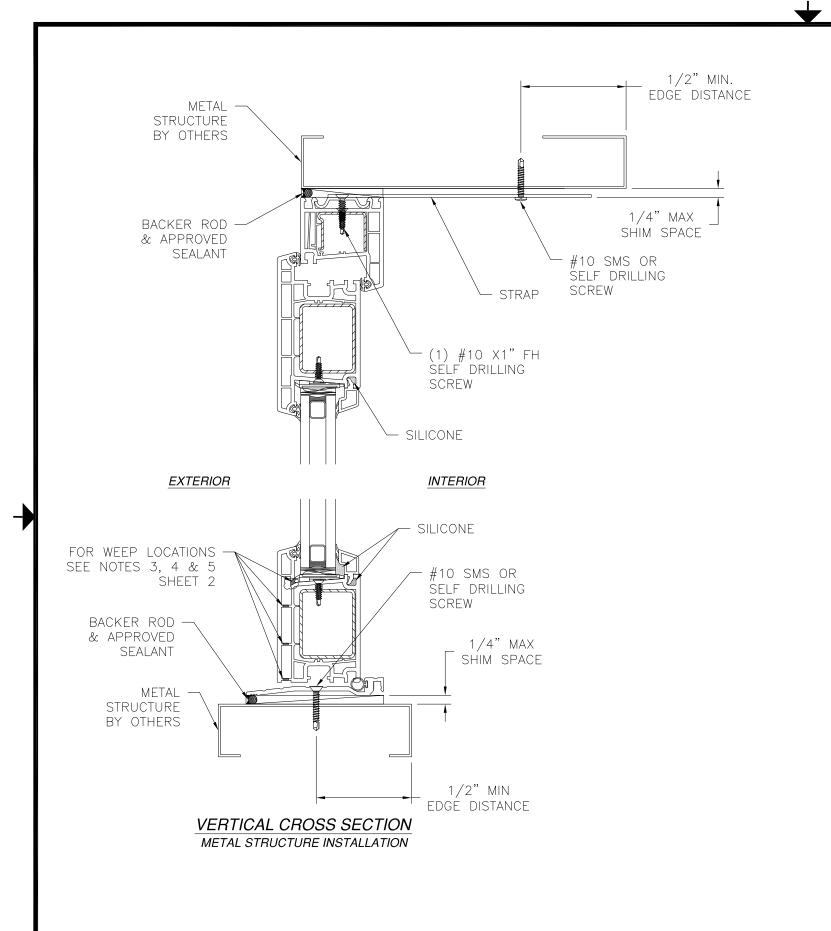
DESCRIPTION

NOTES:

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- 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



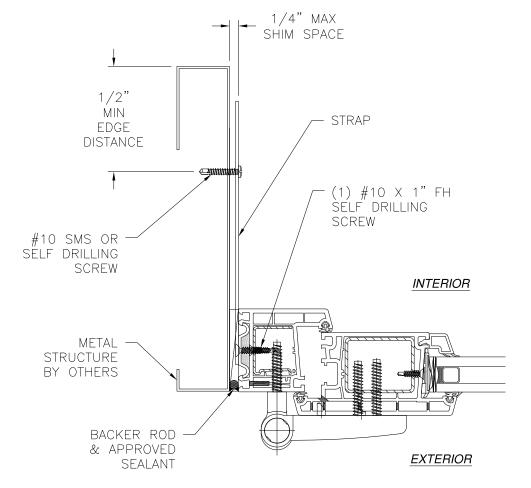




REVISIONS

REV DESCRIPTION DATE APPROVED

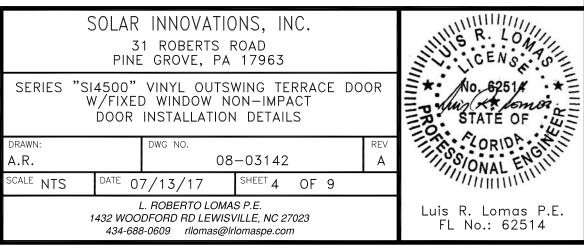
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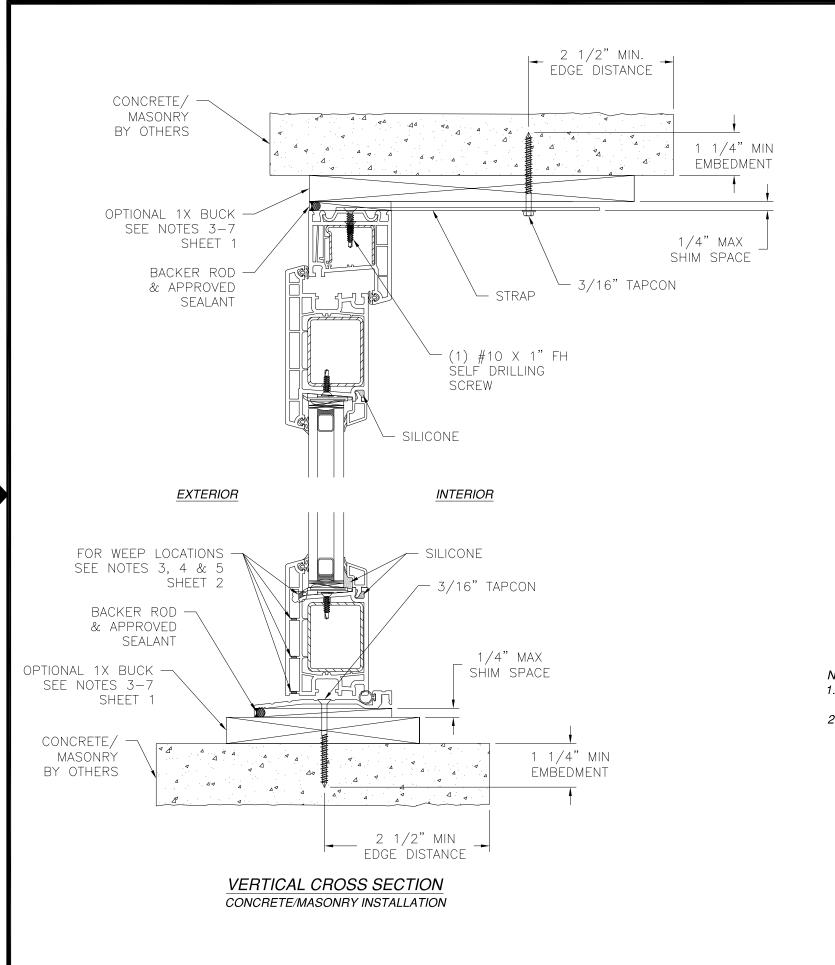


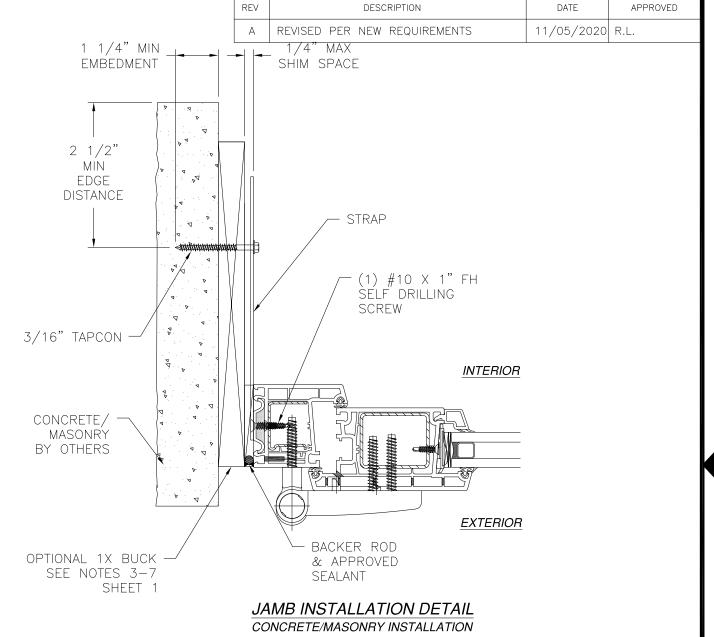
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:

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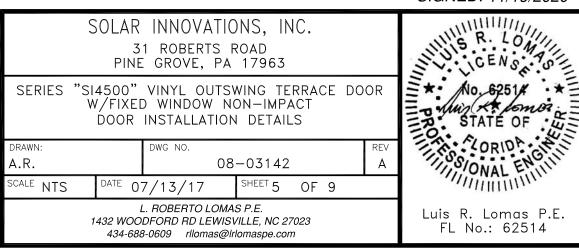




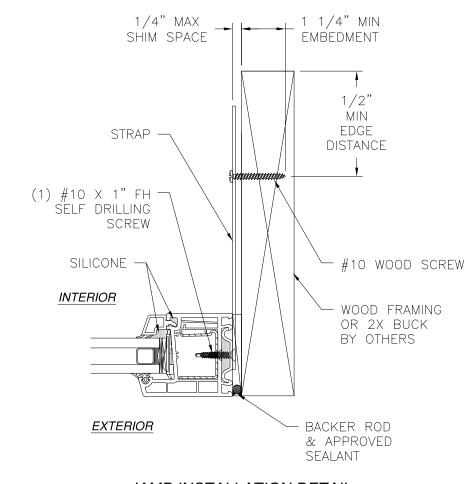
REVISIONS

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	REVISIONS				
REV	DESCRIPTION	DATE	APPROVED		
А	REVISED PER NEW REQUIREMENTS	11/05/2020	R.L.		



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

434-688-0609 rllomas@lrlomaspe.com

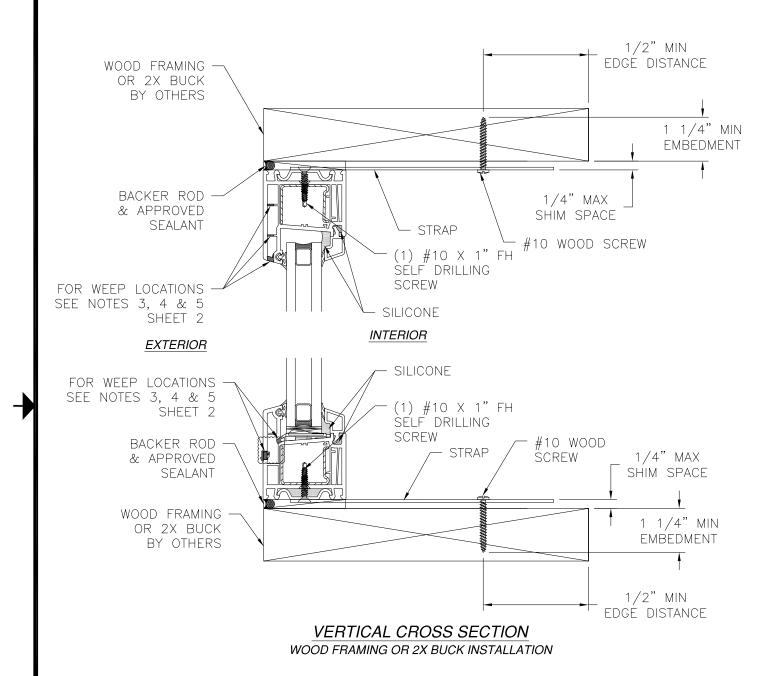
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SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD STATE PINE GROVE, PA 17963 SERIES "SI4500" VINYL OUTSWING TERRACE DOOR W/FIXED WINDOW NON-IMPACT WINDOW INSTALLATION DETAILS DRAWN: DWG NO. A.R. 08-03142 SCALE NTS DATE 07/13/17 SHEET 6 OF 9 L. ROBERTO LOMAS P.E. Luis R. Lomas P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023

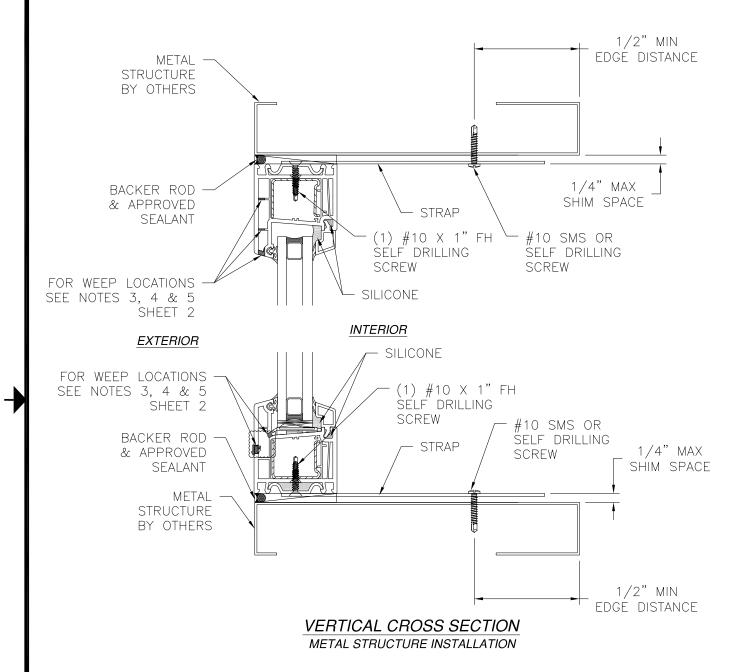
SIGNED: 11/19/2020

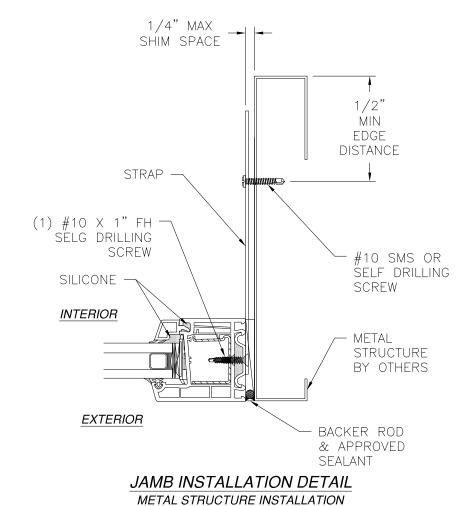
FL No.: 62514



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REV		DESCRIPTION	DATE	APPROVED		
	А	REVISED PER NEW REQUIREMENTS	11/05/2020	R.L.		

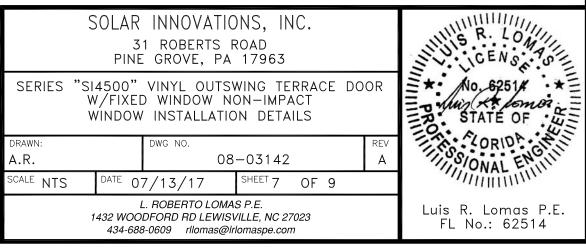


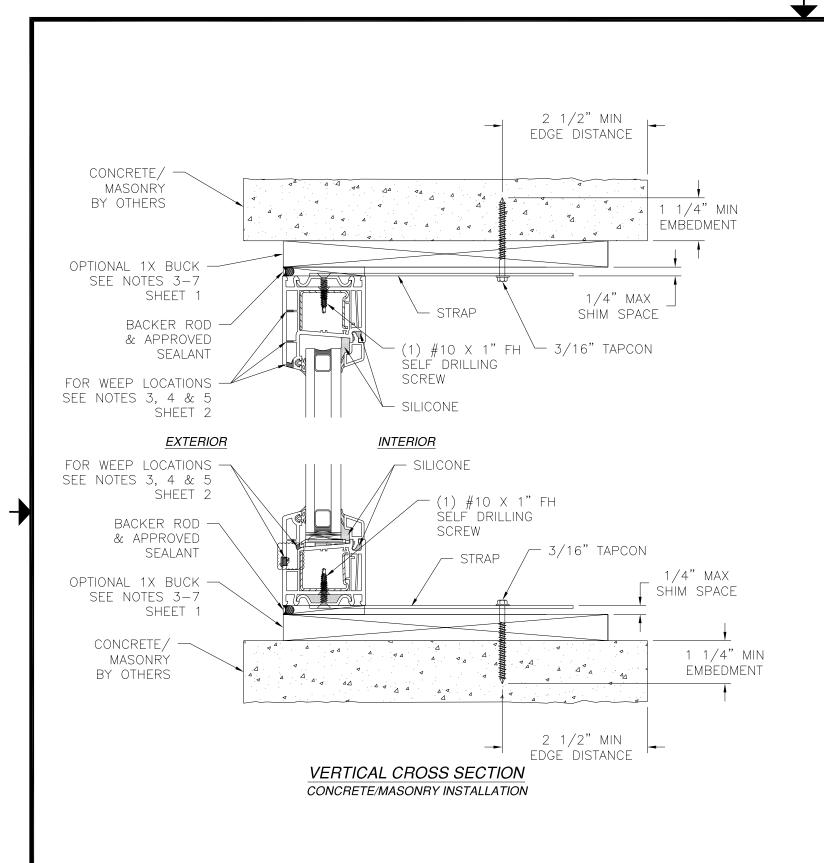


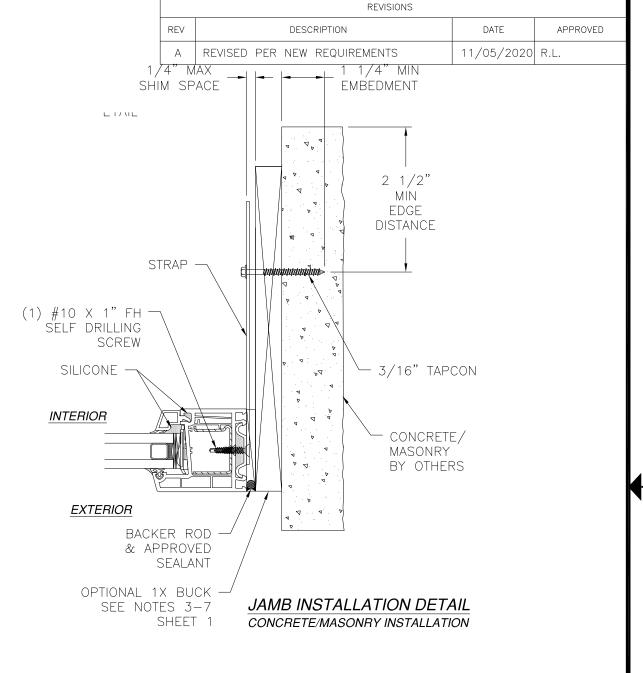
METAL STRUCTURE INS

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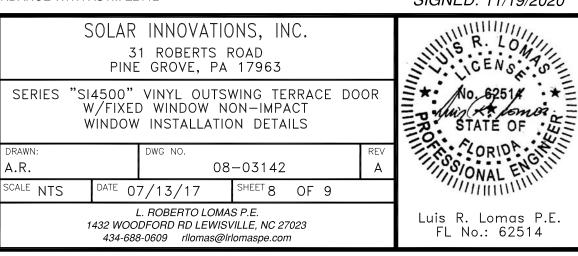






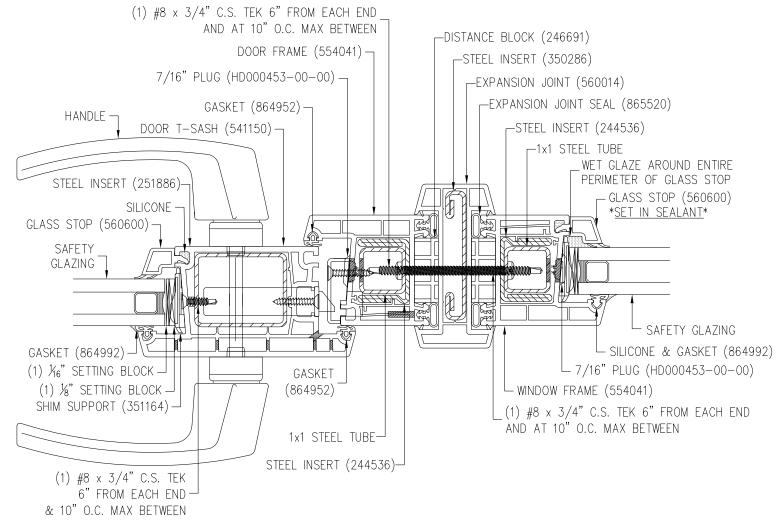
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MULLION INSTALLATION DETAIL

