	REVISIONS								
REV	DESCRIPTION	DATE	APPROVED						
A	REVISED PER NEW REQUIREMENTS	11/03/2020	R.L.						

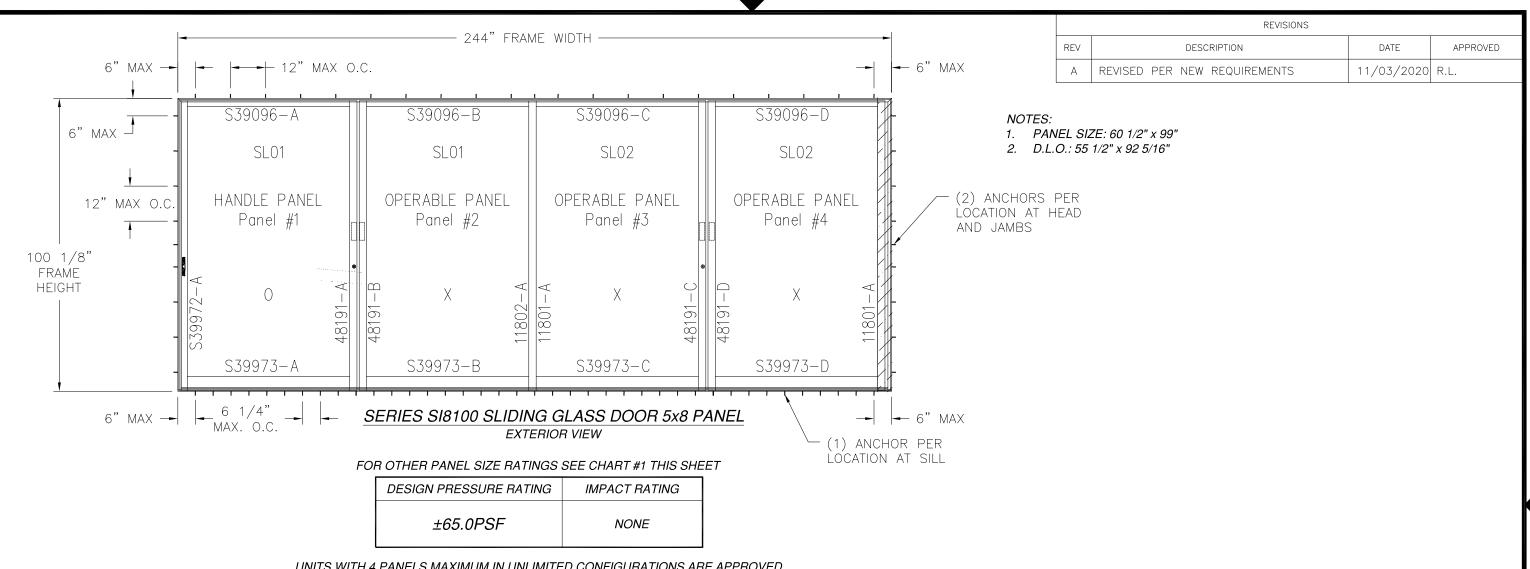
NOTES

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 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. 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.
- 4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 5. FRAME MATERIAL: ALUMINUM 6063-T6
- 6. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
- 7. APPROVED IMPACT PROTECTIVE SYSTEM <u>IS REQUIRED</u> FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 9. FOR ANCHORING 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.

- 10. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" ELCO ULTRACON OR 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 11. FOR ANCHORING 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.
- 12. ALL FASTENERS TO BE CORROSION RESISTANT.
- 13. 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 3,000 PSI.
 - C. GROUT FILLED MASONRY STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .125" THICK MINIMUM

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			IN CENSAS				
	TABLE OF CONTENTS	SEF	× 10.6251#				
HEET NO.	DESCRIPTION	— 5x8 PANEL NON-IMPACT HVHZ NOTES					STATE OF
1	NOTES	DRAWN:		DWG NO. 08-03418		REV	TO CORIDA .
2	ELEVATIONS					А	MONAL ENGIN
3 - 4	CROSS SECTIONS	SCALE NTS	DATE O	4/15/19	SHEET 1 OF 8		Milling
5 - 7	INSTALLATION DETAILS	L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com				Luis R. Lomas P.	
8	COMPONENTS					FL No.: 62514	



UNITS WITH 4 PANELS MAXIMUM IN UNLIMITED CONFIGURATIONS ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 41.59 FT² AND FRAME AREA DOES NOT EXCEED 254.48 FT2 AND USES VERTICAL CONDITIONS AS SHOWN.

Chart #1

							_		-							
	Maximum Design pressure (psf)															
Panel	Single Panel Width (in)															
Height	24.0		30.0		36	36.0		2.0	48.0		54.0		60.5		66.0	
(in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
78.0	80.0	97.5	80.0	97.5	80.0	97.5	80.0	97.5	80.0	97.5	80.0	92.4	80.0	82.5	75.6	75.6
84.0	80.0	97.5	80.0	97.5	80.0	97.5	80.0	97.5	80.0	93.9	80.0	85.8	76.6	76.6	70.2	70.2
90.0	80.0	97.5	80.0	97.5	80.0	97.5	80.0	93.3	80.0	85.3	79.5	79.5	71.5	71.5	65.5	65.5
96.0	80.0	97.5	80.0	97.5	80.0	96.3	80.0	85.8	78.2	78.2	72.6	72.6	67.0	67.0	-	-
99.0	80.0	97.5	80.0	97.5	80.0	92.7	80.0	82.5	75.1	75.1	69.5	69.5	65.0	65.0	-	-
102.0	80.0	97.5	80.0	97.5	80.0	89.4	78.5	78.5	70.2	70.2	64.0	64.0	-	-	-	-
108.0	80.0	97.5	80.0	89.2	75.4	75.4	65.7	65.7	58.6	58.6	53.2	53.2	-	-	-	-
114.0	80.0	93.5	75.6	75.6	63.8	63.8	55.5	55.5	49.4	49.4	-	-	-	-	-	-
120.0	80.0	80.1	64.6	64.6	54.5	54.5	47.3	47.3	42.0	42.0	-	-	-	-	-	-
126.0	69.0	69.0	55.7	55.7	46.9	46.9	40.7	40.7	-	-	-	-	-	-	-	-
132.0	60.0	60.0	48.3	48.3	40.7	40.7	35.2	35.2	-	-	-	-	-	-	-	-
138.0	52.4	52.4	42.2	42.2	35.5	35.5	30.7	30.7	-	-	-	-	-	-	-	-
144.0	46.1	46.1	37.1	37.1	31.2	31.2	-	-	-	-	-	-	-	-	-	-
150.0	40.7	40.7	32.8	32.8	27.5	27.5	-	-	-	-	-	-	-	-	-	-
156.0	36.2	36.2	29.1	29.1	24.4	24.4	-	-	-	-	-	-	-	-	-	-

HARDWARE SCHEDULE

(2) POINT METAL LOCK WITH KEEPERS, 42" FROM BOTTOM OF LOCK STILE

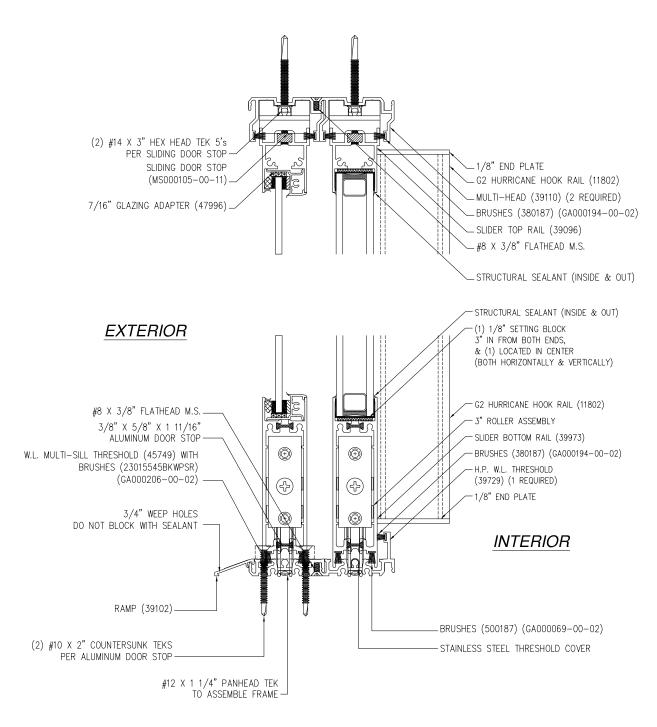
DUAL STAINLESS STEEL ROLLERS AT EACH END OF BOTTOM RAILS

ALUMINUM REINFORCEMENT PANEL ADAPTER AT MEETING STILE IN PANELS 1 & 2

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SOLAR INNOVATIONS, INC. 31 ROBERTS RD PINE GROVE, PA 17963 SERIES SI8100 SLIDING GLASS DOOR TREV STAIL S 5x8 PANEL NON-IMPACT HVHZ **ELEVATIONS** DRAWN: DWG NO. A.R. 08-03418 SCALE NTS DATE 04/15/19 SHEET 2 OF 8 L. ROBERTO LOMAS P.E. Luis R. Lomas P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 FL No.: 62514 434-688-0609 rllomas@lrlomaspe.com



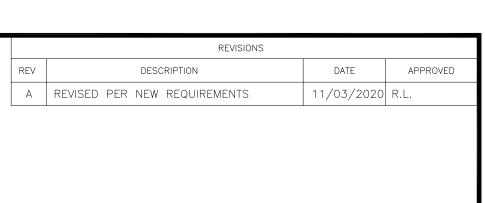


VERTICAL CROSS SECTION

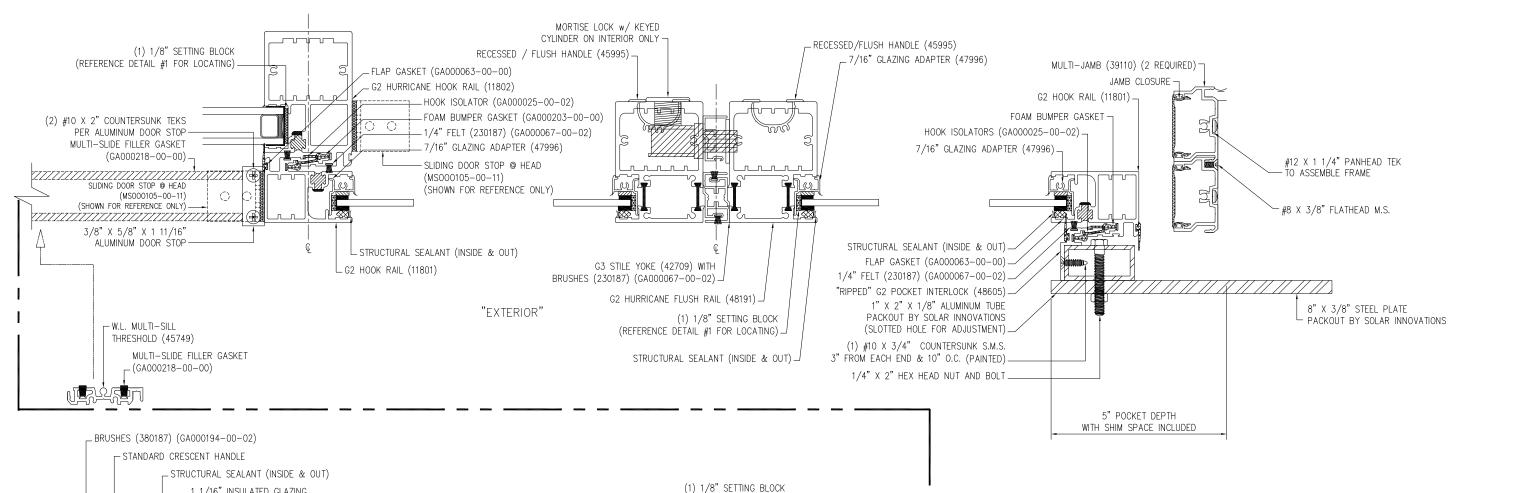
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REV	DESCRIPTION	DATE	APPROVED							
А	REVISED PER NEW REQUIREMENTS	11/03/2020	R.L.							

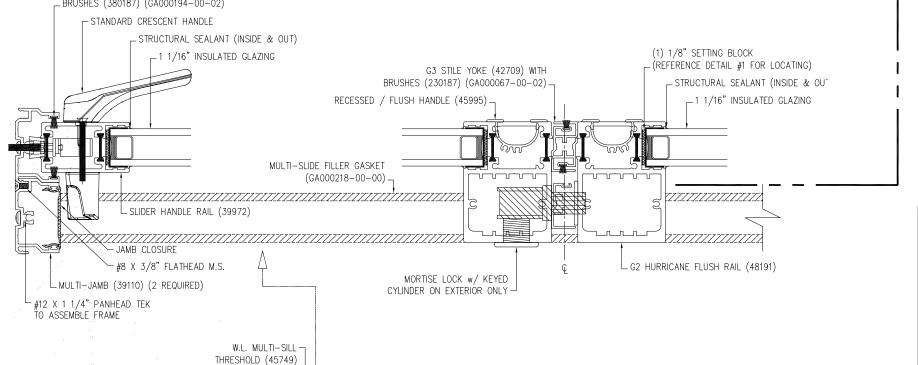
SIGNED: 11/19/2020

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	ES SI8 x8 PAI C	No. 62514 *				
DRAWN:		DWG NO.			REV	ORIDA
A.R.		08	-03418		Α	MONAL ENGLI
SCALE NTS	DATE O	4/15/19	SHEET 3	OF 8		William Control
1	l 432 WOO 434-688	Luis R. Lomas P.E. FL No.: 62514				



HORIZONTAL CROSS SECTION

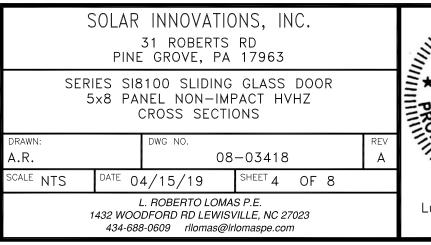


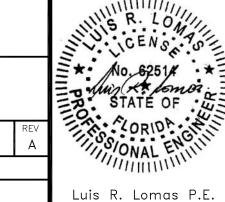


MULTI-SLIDE FILLER GASKET

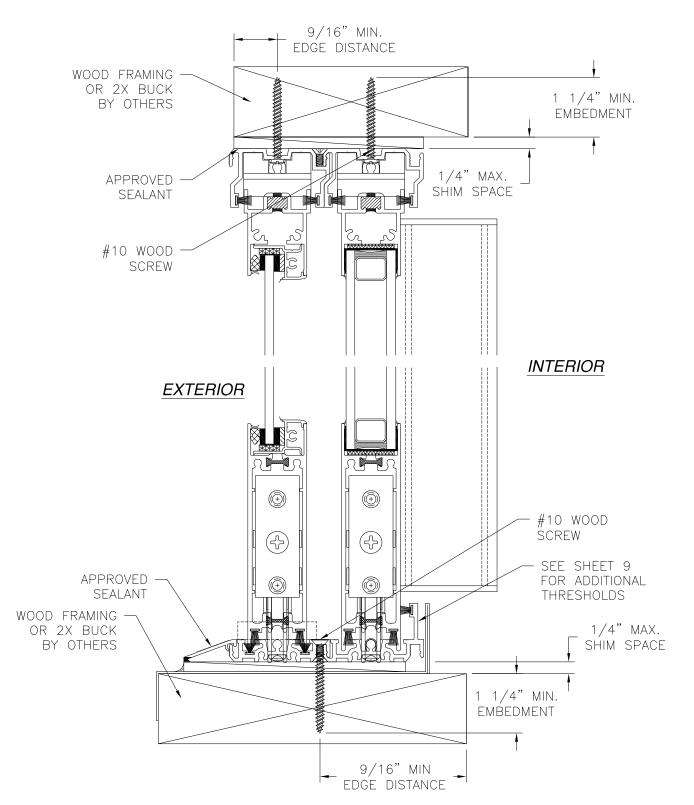
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Luis R. Lomas P.E. FL No.: 62514



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

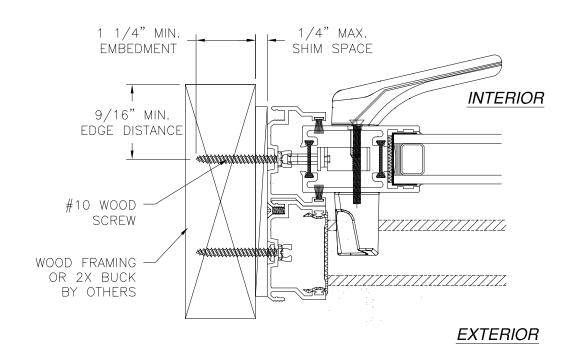
NOTES:

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

REVISIONS

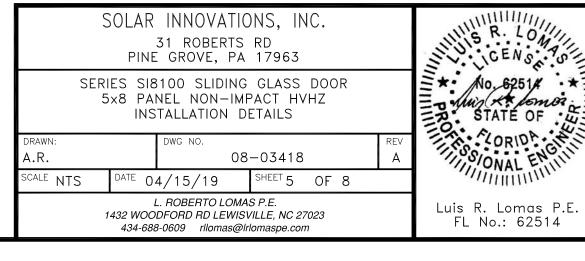
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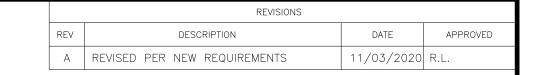
A REVISED PER NEW REQUIREMENTS 11/03/2020 R.L.

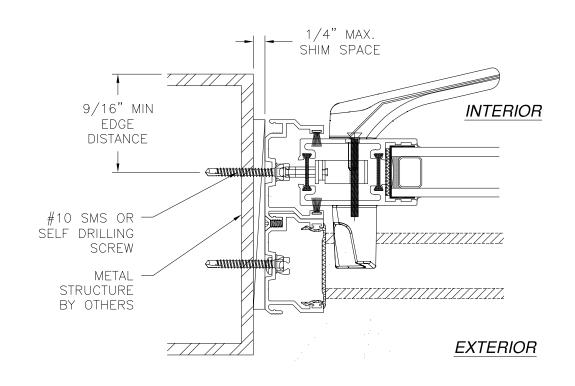


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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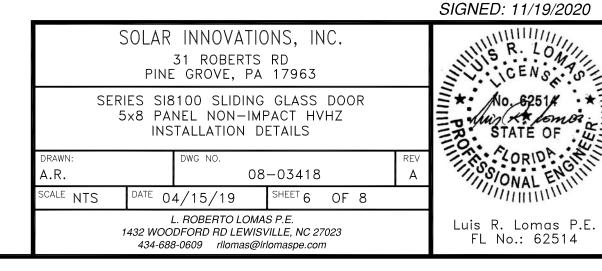


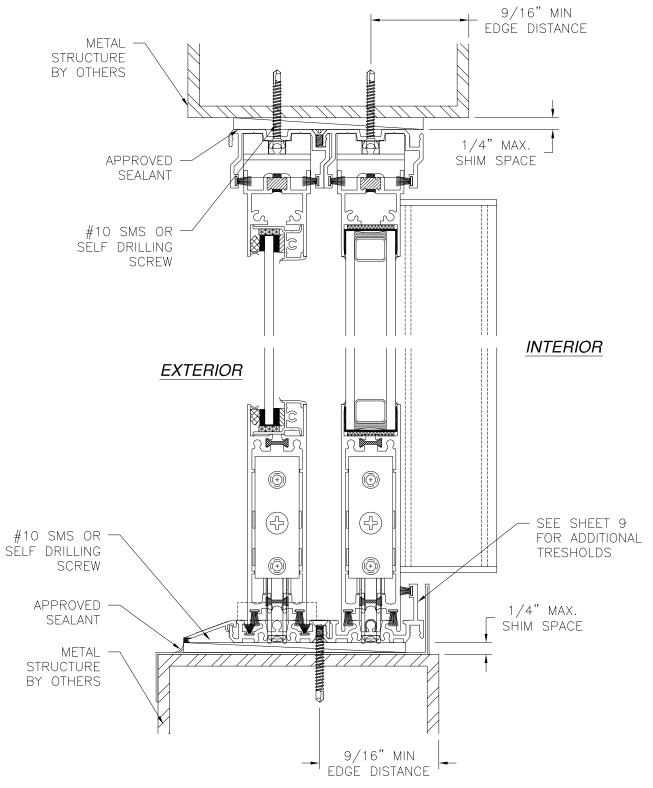




JAMB INSTALLATION DETAIL

METAL STRUCTURE INSTALLATION





VERTICAL CROSS SECTION

METAL STRUCTURE INSTALLATION

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