REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	
В	REVISED PER NEW REQUIREMENTS	12/19/19	R.L.	

## NOTES:

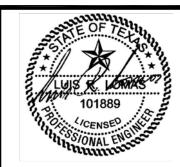
- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2018 IBC AND 2018 IRC.
- 2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
- 4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" 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. 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 BE EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
- 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. 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. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 12 FOR GLASS DETAILS.
- 12. APPROVED IMPACT PROTECTIVE SYSTEM <u>IS REQUIRED</u> FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 13. 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.

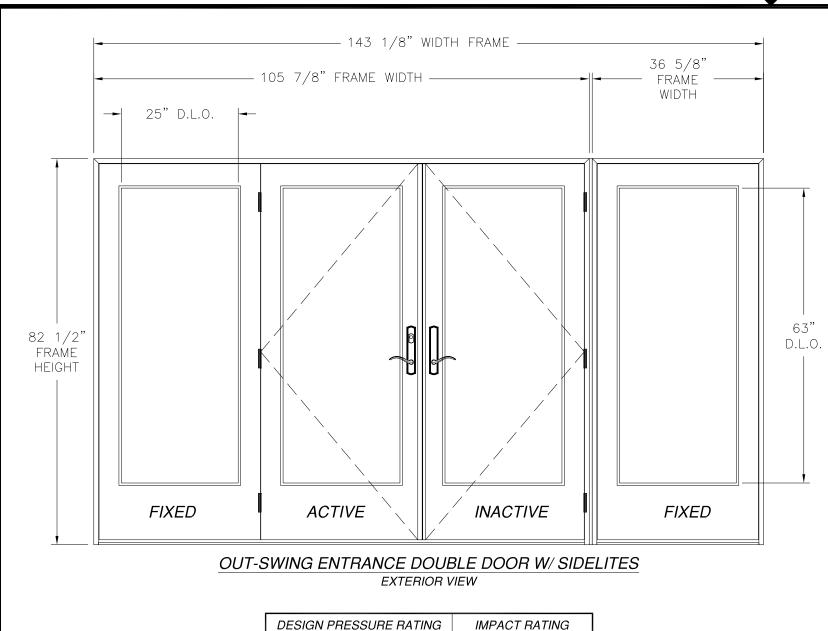
- 14. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 15. FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 16. ALL FASTENERS TO BE CORROSION RESISTANT.
- 17. 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 3,200 PSI.
  - C. MASONRY GROUT 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.
- 18. FRAME JAMB AND HEAD MATERIAL: CO-EXTRUDED PVC FOAM.
- 19. FRAME SILL MATERIAL: CO-EXTRUDED PVC FOAM WITH ALUMINUM CLADDING
- 20. DOOR PANEL AND SIDELITE MATERIAL: FIBERGLASS SKIN WITH PVC FOAM TOP AND BOTTOM RAILS, AND PVC FOAM VERTICAL STILES WITH PINE REINFORCEMENTS AND POLYURETHANE FOAM CORF.
- 21. HINGE LOCATION: 9", 40 7/8" AND 72 1/2" FROM BOTTOM.
- 22. MAX. PANEL SIZE: 34 1/2" X 80 5/16"
- 23. APPROVED CONFIGURATIONS: O, X, OX, XO, XX, OXO, XXO, OXX, OXXO, O/X, XX/O, OXX/O AND O/XX/O.

NAN YA DIASTICS CORP IISA

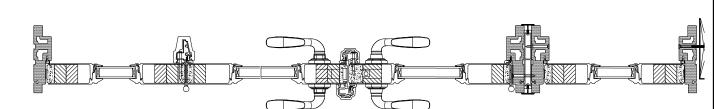
SIGNED: 02/24/2021

		8989 NORTH LOOP EAST					
	TABLE OF CONTENTS	HOUSTON, TX 77029					
SHEET NO.	DESCRIPTION	OUT-SWING ENTRANCE DOOR W/ & W/O SIDELITES FIBERGLASS GLAZED					
1	NOTES	NOTES					
2	ELEVATION	DRAWN:		DWG NO.		REV	
3	APPROVED CONFIGURATIONS	V.L.		08-01554 B		В	
4 - 5	ANCHORING LAYOUTS	SCALE NTS	DATE O	5/31/12	SHEET 1 OF 13		
6 - 12	INSTALLATION DETAILS	L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com					
13	COMPONENTS						





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HORIZONTAL CROSS SECTION

DESIGN PRESSURE RATING	IMPACT RATING
±70PSF	NONE

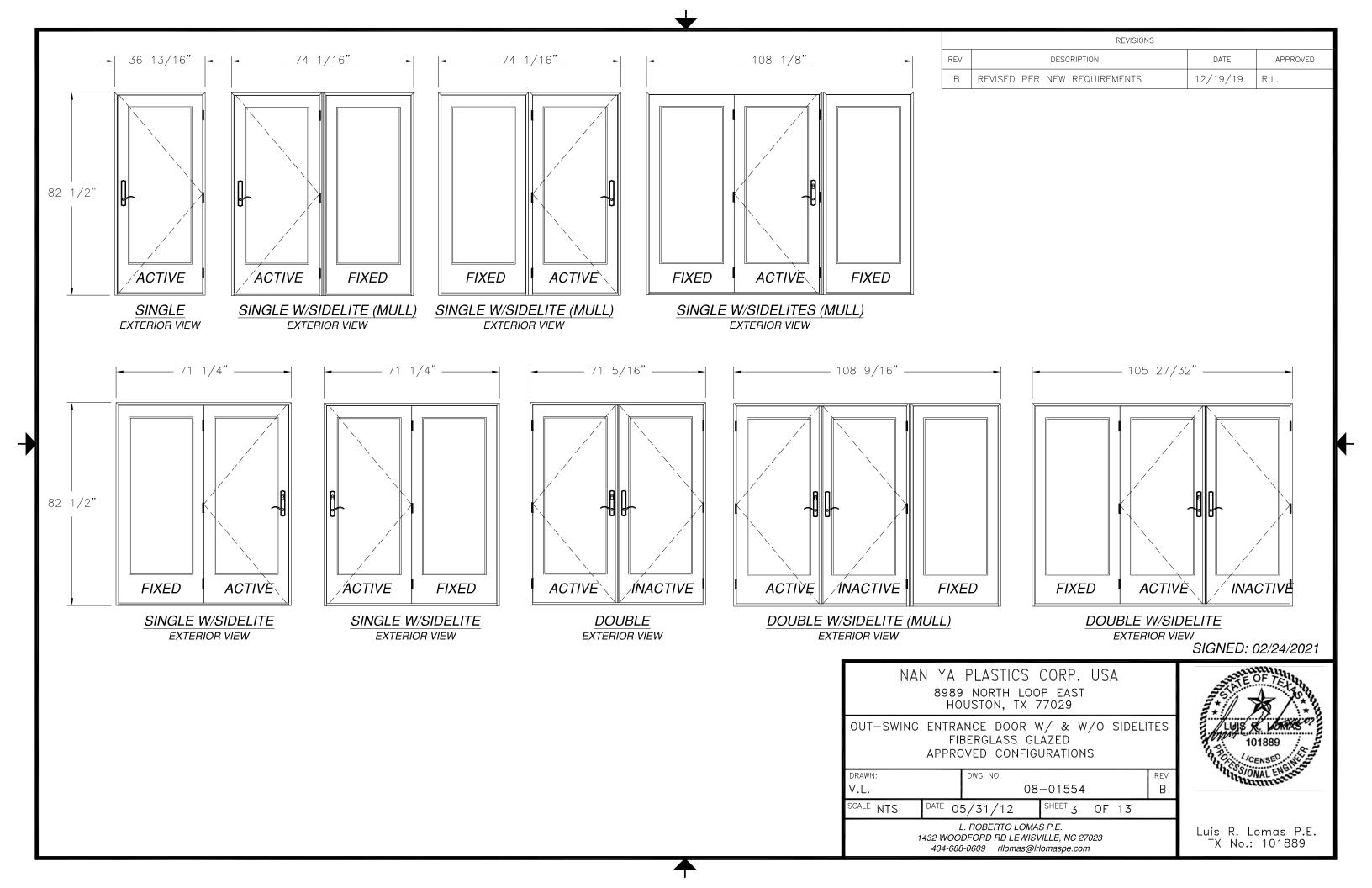
34 1/2" X 80 5/16" PANELS ARE SHOWN. OTHER PANEL SIZES ARE APPROVED AS LONG AS PANEL AREA DOES NOT EXCEED 19.24 FT<sup>2</sup>

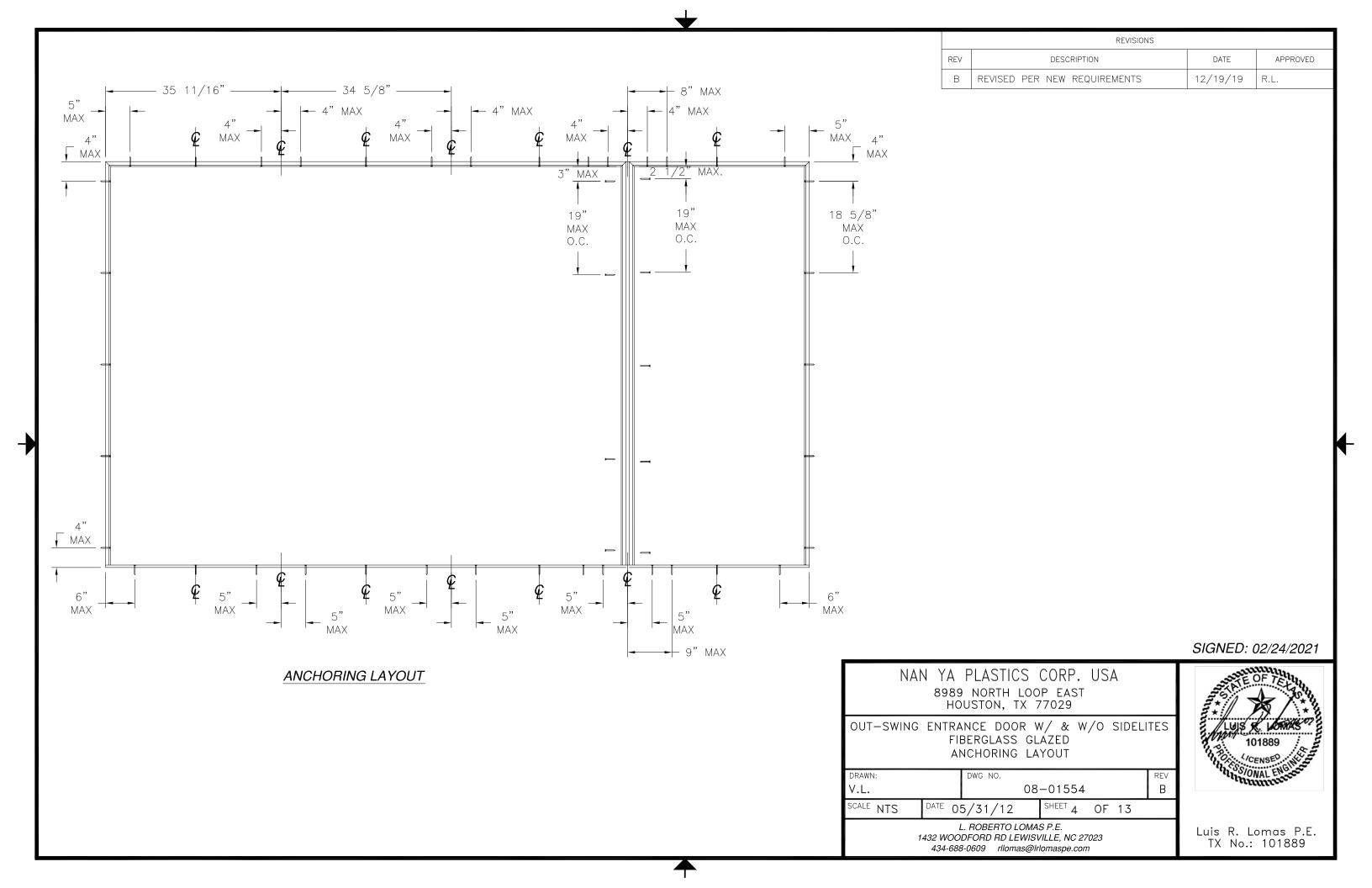
## HARDWARE SCHEDULE A. (3) 4" LONG SURFACE MOUNT METALLIC BUTT HINGE, 9", 40 3/4" AND 72 1/2" FROM BOTTOM AT ACTIVE PANEL HINGE STILE B. (3) 4" LONG SURFACE MOUNT METALLIC BUTT HINGE. 9". 40 3/4" AND 72 1/2" FROM BOTTOM AT INACTIVE PANEL HINGE STILE C. (1) SURFACE MOUNT METALLIC TWO POINT LOCK SYSTEM, 39 1/2" FROM BOTTOM AT ACTIVE PANEL LOCK STILE D. (2) SURFACE MOUNT METALLIC STRIKE PLATES, 37" AND 42 1/2" FROM BOTTOM AT INACTIVE PANEL LOCK STILE E. (2) FLUSH MOUNT CONCEALED METALLIC FLUSH BOLTS, 12 1/2" FROM EACH END AT INACTIVE PANEL LOCK STILE F. (1) SURFACE MOUNT METALLIC STRIKE PLATE, 70" FROM LEFT AT FRAME HEAD G. (1) SURFACE MOUNT METALLIC STRIKE PLATE, 70" FROM LEFT AT THRESHOLD H. (1) 79 3/4" LONG ALUMINUM REINFORCEMENT INSIDE ACTIVE PANEL ASTRAGAL ADAPTER I. (1) 79 3/8" LONG ALUMINUM REINFORCEMENT INSIDE INTERMEDIATE FRAME MEMBER J. (1) 78 1/2" LONG ALUMINUM REINFORCEMENT INSIDE INACTIVE PANEL ASTRAGAL ADAPTER K. (1) 75 13/16" LONG WOOD REINFORCEMENT INSIDE SIDELITES JAMB STILES AT MIDSPAN L. (1) 75 9/16" LONG WOOD REINFORCEMENT INSIDE ACTIVE PANEL HINGE STILE AND LOCK STILE AT MIDSPAN M. I(1) 75 9/16" LONG WOOD REINFORCEMENT INSIDE INACTIVE PANEL HINGE STILE AT MIDSPAN N. (1) 75 9/16" LONG WOOD REINFORCEMENT INSIDE INACTIVE PANEL LOCK STILE AT MIDSPAN O. (1) 20 1/8" X 1 5/8" X 1 5/8" HIGH WOOD REINFORCEMENT INSIDE EACH SIDELITE TOP RAIL AND INSIDE EACH PANEL TOP RAIL AT MIDSPAN

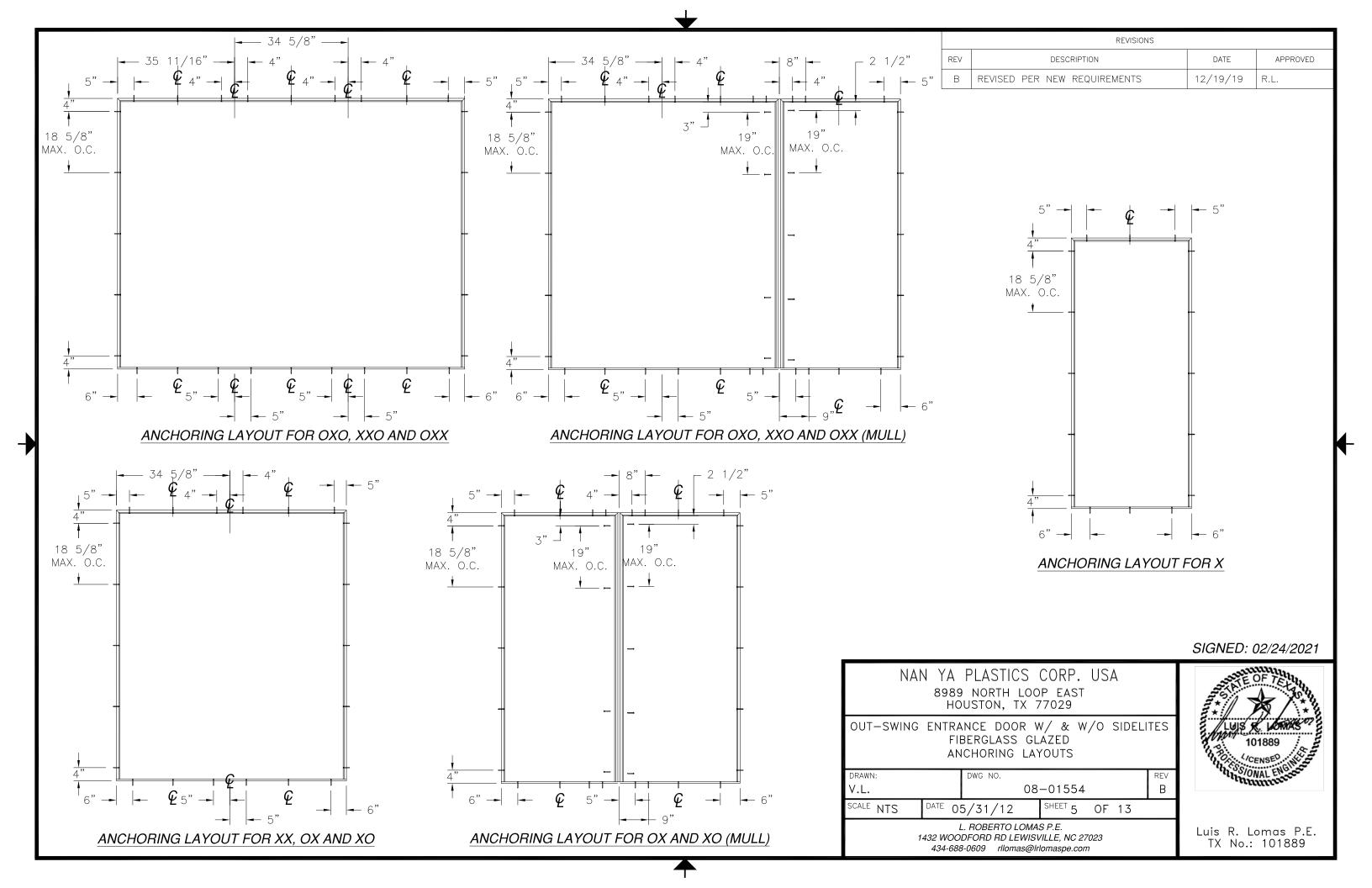
SIGNED: 02/24/2021

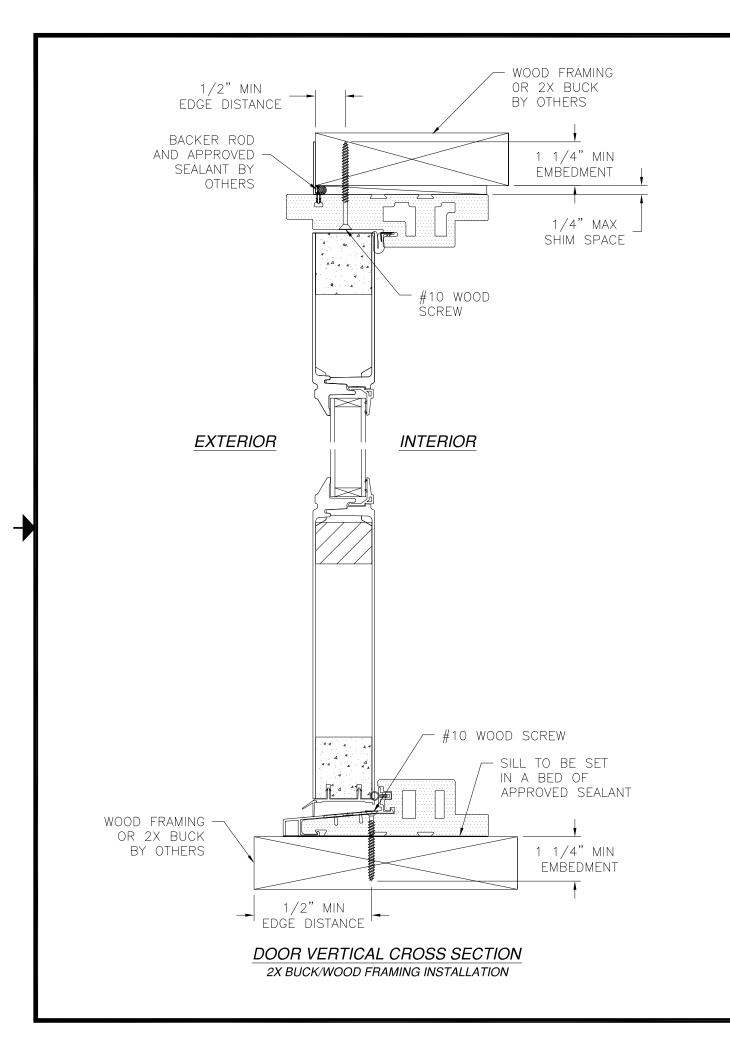
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029 OUT-SWING ENTRANCE DOOR W/ & W/O SIDELITES FIBERGLASS GLAZED **ELEVATION** DRAWN: DWG NO. 08-01554 В V.L. SCALE NTS DATE 05/31/12 SHEET 2 OF 13 L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com







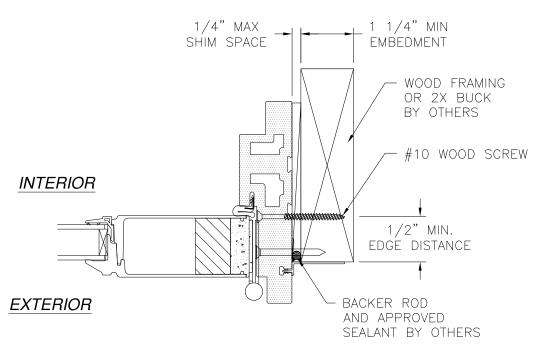




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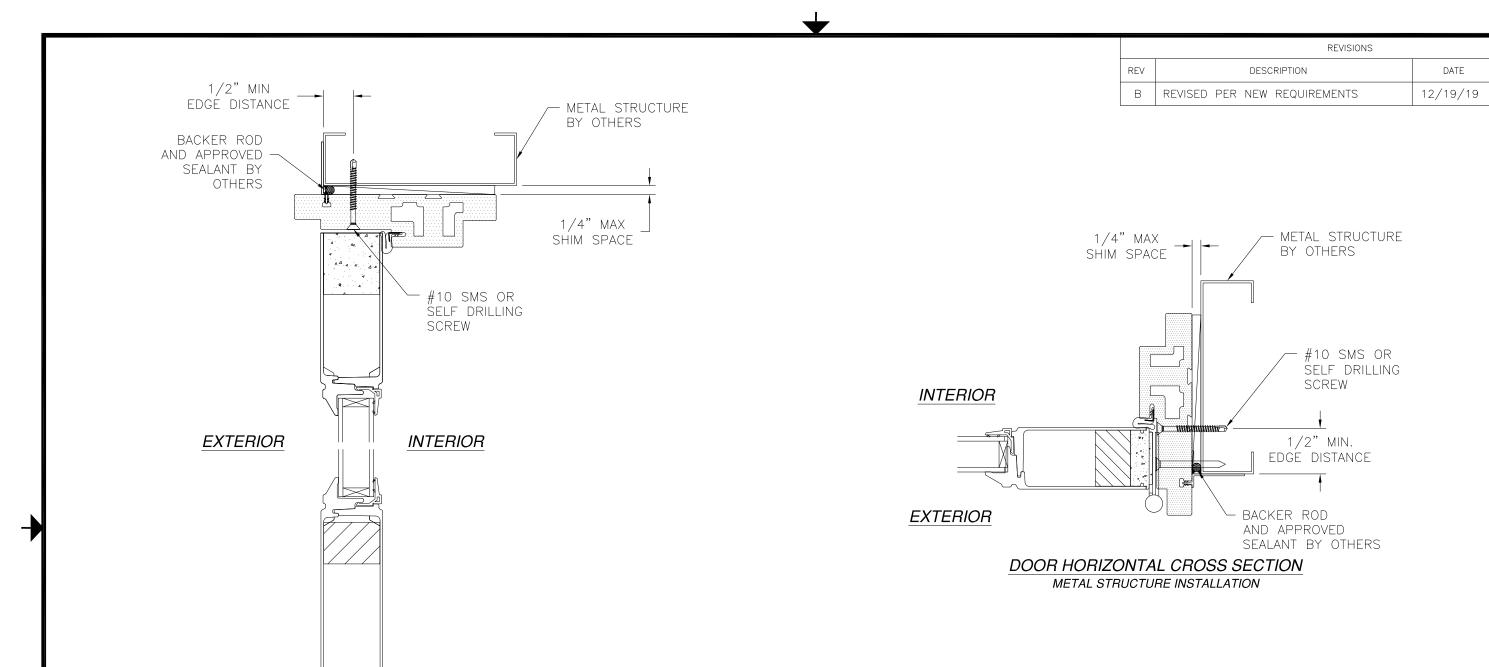
## DOOR HORIZONTAL CROSS SECTION 2X BUCK/WOOD FRAMING INSTALLATION

NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS,
NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE
DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 02/24/2021







NOTES: 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY. 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 02/24/2021

APPROVED

R.L.

DATE





Luis R. Lomas P.E. TX No.: 101889

DOOR VERTICAL CROSS SECTION METAL STRUCTURE INSTALLATION

1/2" MIN

EDGÉ DISTANCE

METAL STRUCTURE

BY OTHERS

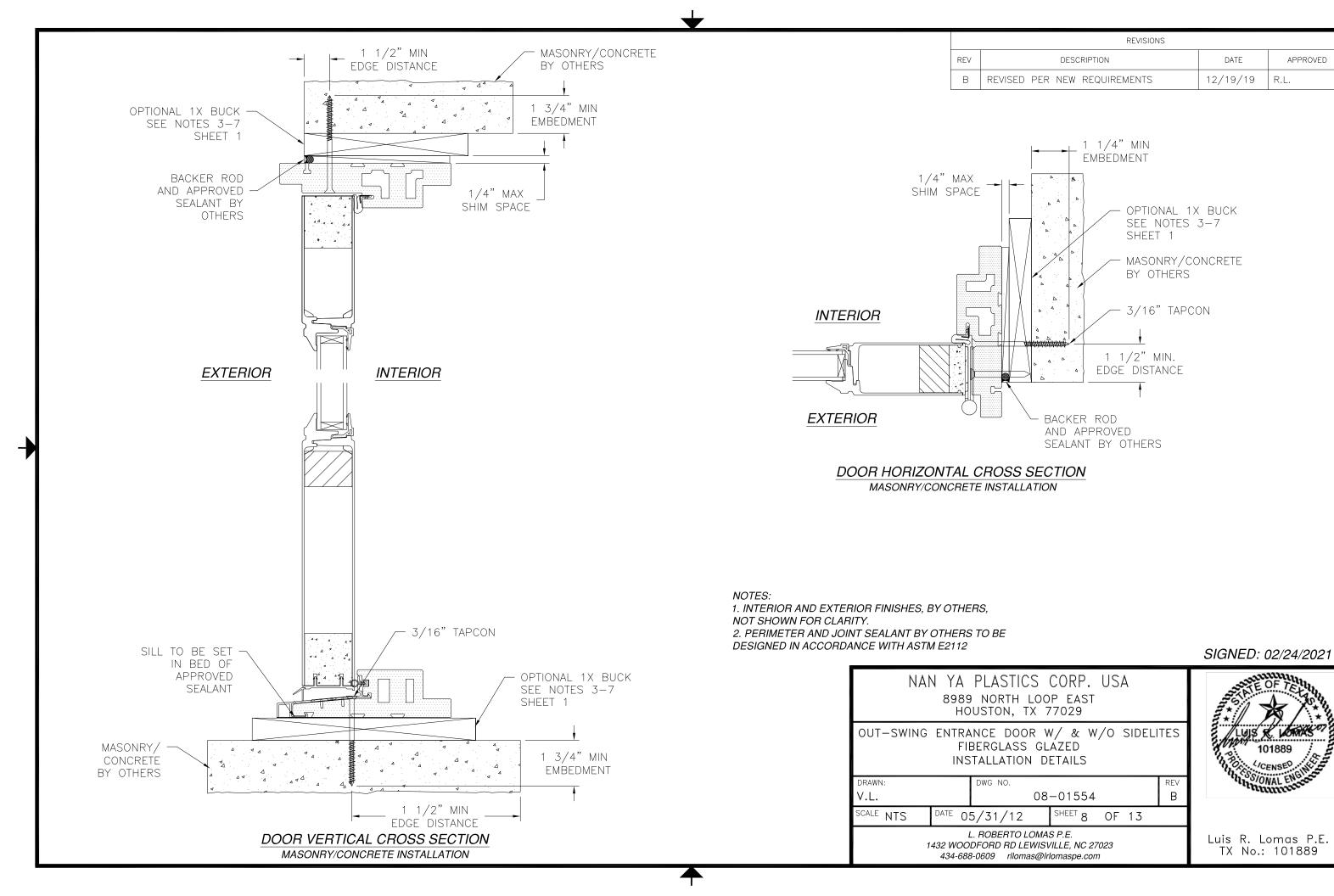
#10 SMS OR

SCREW

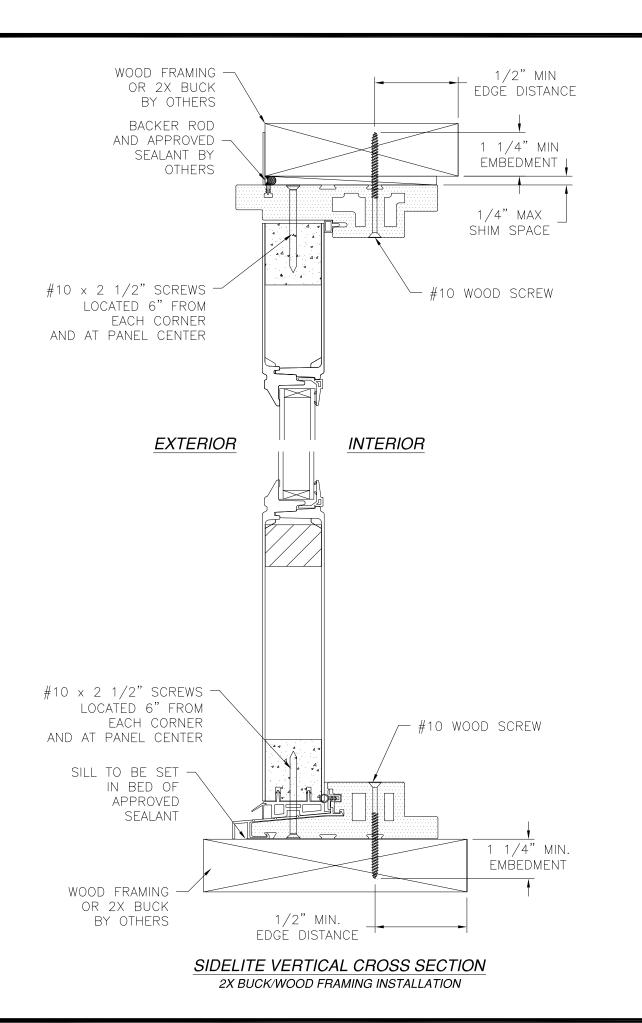
SELF DRILLING

SILL TO BE SET

IN A BED OF APPROVED SEALANT



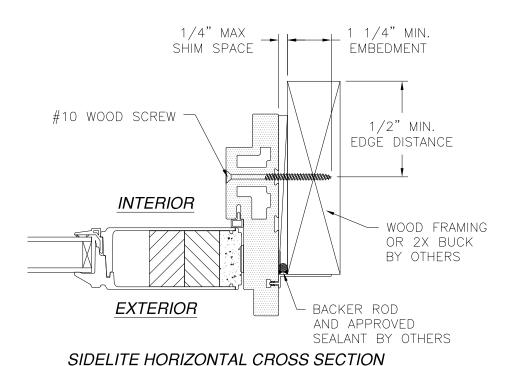
APPROVED



REVISIONS

REV DESCRIPTION DATE APPROVED

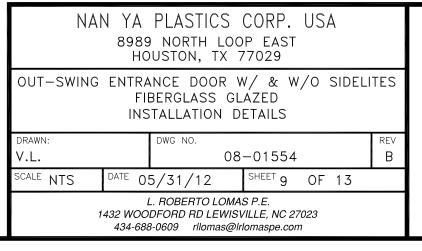
B REVISED PER NEW REQUIREMENTS 12/19/19 R.L.



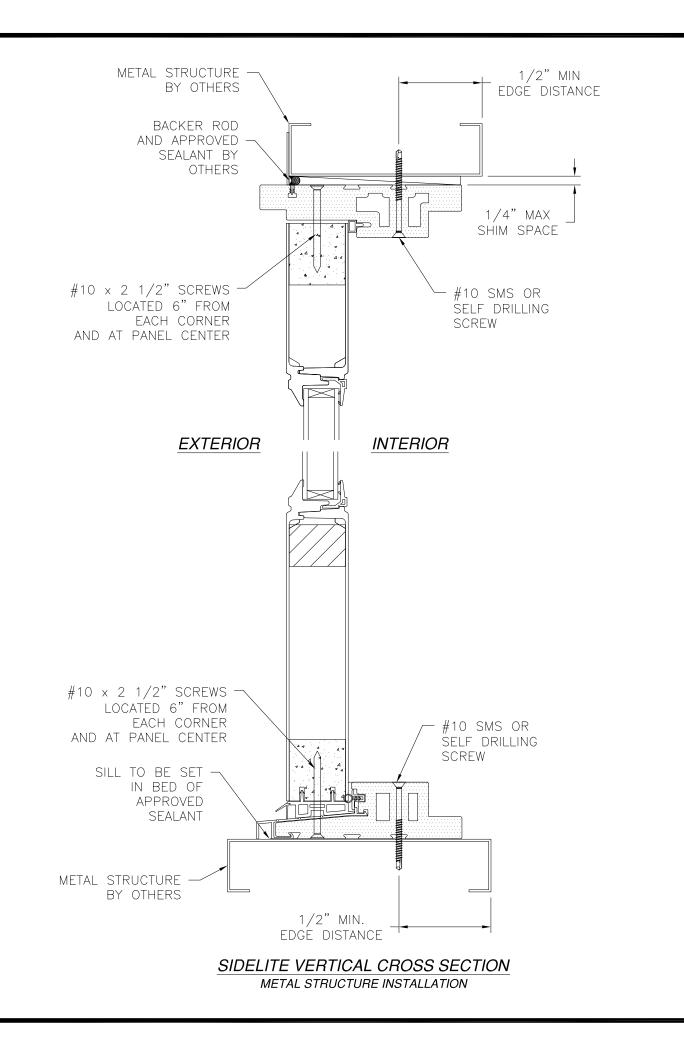
2X BUCK/WOOD FRAMING INSTALLATION

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SIGNED: 02/24/2021



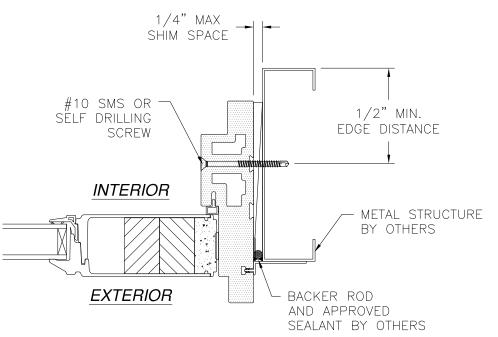




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B REVISED PER NEW REQUIREMENTS 12/19/19 R.L.



## SIDELITE HORIZONTAL CROSS SECTION METAL STRUCTURE INSTALLATION

NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS,
NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE
DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 02/24/2021





