

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED MANUFACTURER ADDRESS	07/13/2026	R.L.

NOTES:

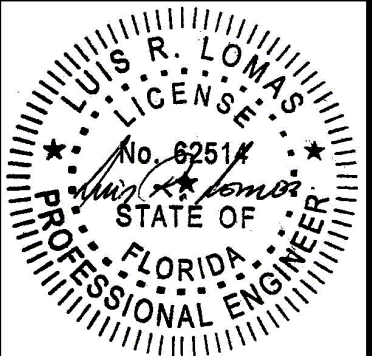
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" 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 EXTEND BEYOND UNIT FRAME 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 JAMB AND HEAD MATERIAL: CO-EXTRUDED PVC FOAM 1 1/2" THICK.
12. FRAME SILL MATERIAL: CO-EXTRUDED PVC FOAM 2" THICK WITH ALUMINUM CLADDING .063" THICK.
13. DOOR PANEL AND SIDELITE MATERIAL: .075" THICK FIBERGLASS SKIN WITH PVC FOAM TOP AND BOTTOM RAILS, AND PVC FOAM VERTICAL STILES WITH PINE REINFORCEMENTS AND POLYURETHANE FOAM CORE.
14. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
15. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

16. 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.
17. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16" TAPCON 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.
18. 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.
19. ALL FASTENERS TO BE CORROSION RESISTANT.
20. 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 .075" THICK MINIMUM
21. APPROVED CONFIGURATIONS: O, X, OX, XO, XX, OXO, XXO, OXX AND OXXO. SEE SHEET 3.
22. HINGES LOCATED AT 9", 34 1/2", 60" AND 85 5/8" FROM BOTTOM OF PANEL.

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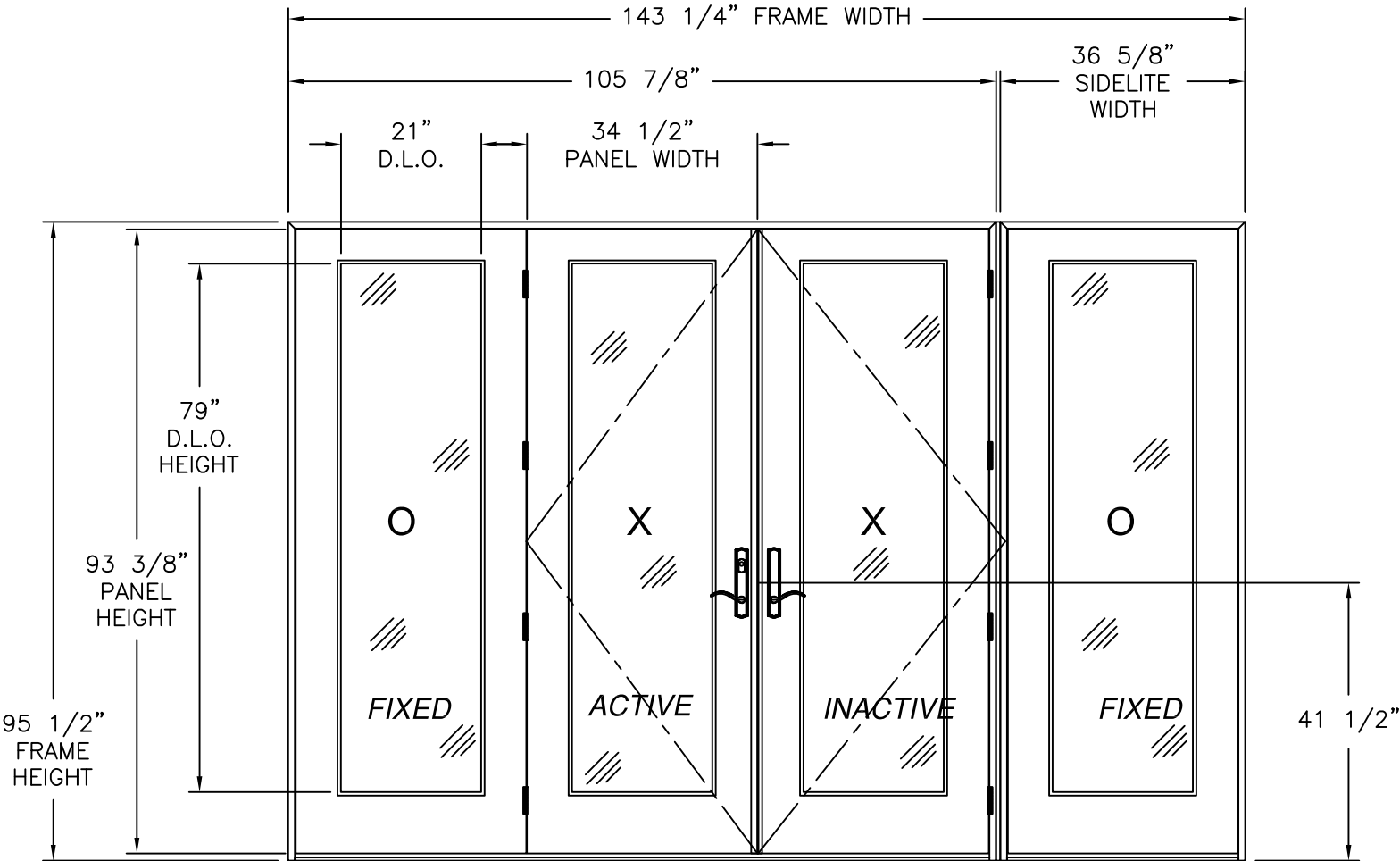
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4016 SHADRACK ST. HOUSTON, TX 77013		
OUT-SWING PATIO DOOR W/SIDELITES FIBERGLASS GLAZED NON-IMPACT NOTES		
DRAWN: A.R.	DWG NO. 08-03402	REV B
SCALE NTS	DATE 04/01/19	SHEET 1 OF 14
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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

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OUT-SWING PATIO DOUBLE DOOR W/ SIDELITES
EXTERIOR VIEW

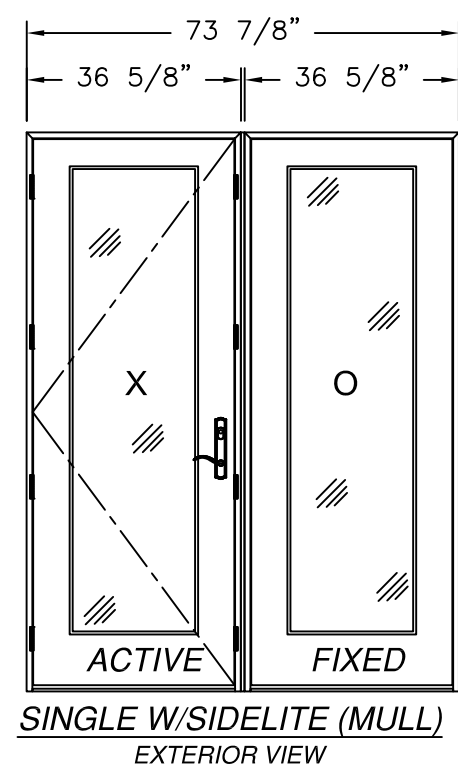
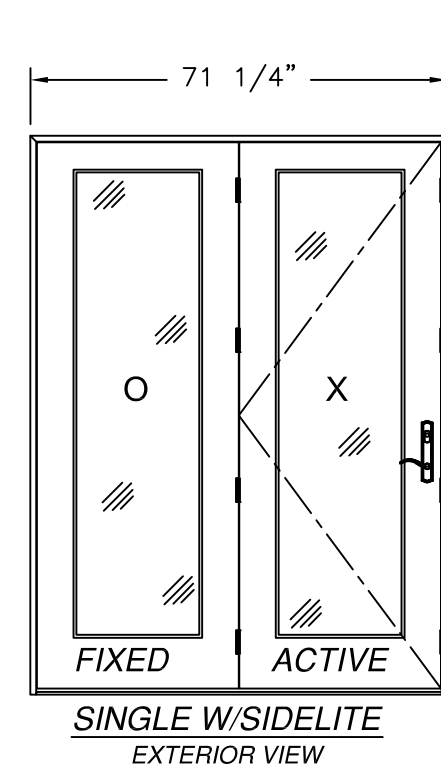
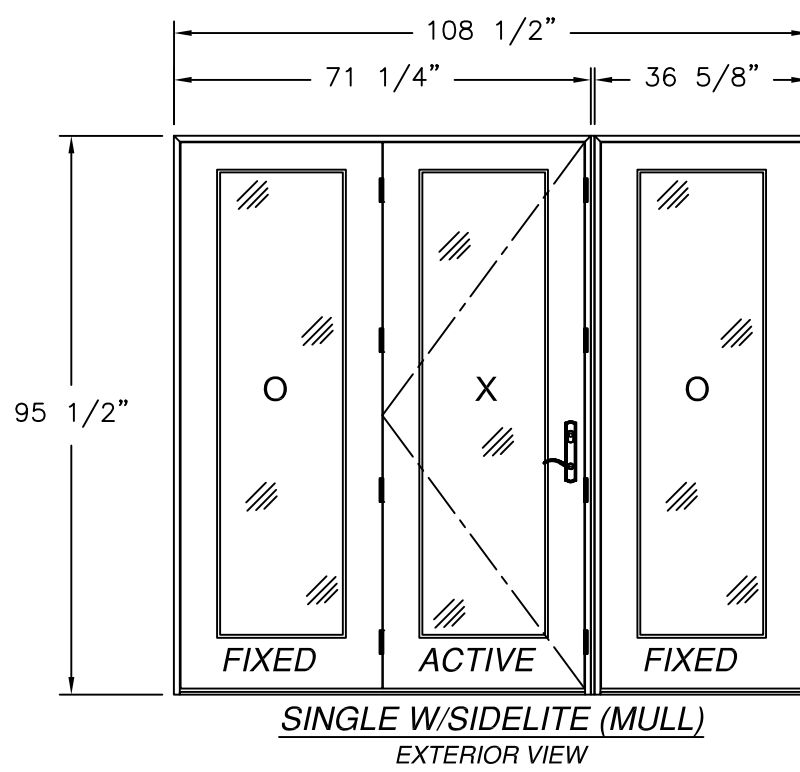
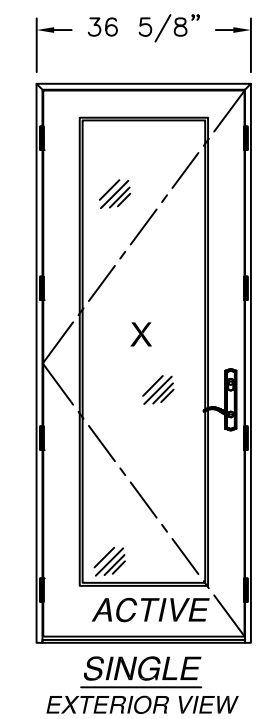
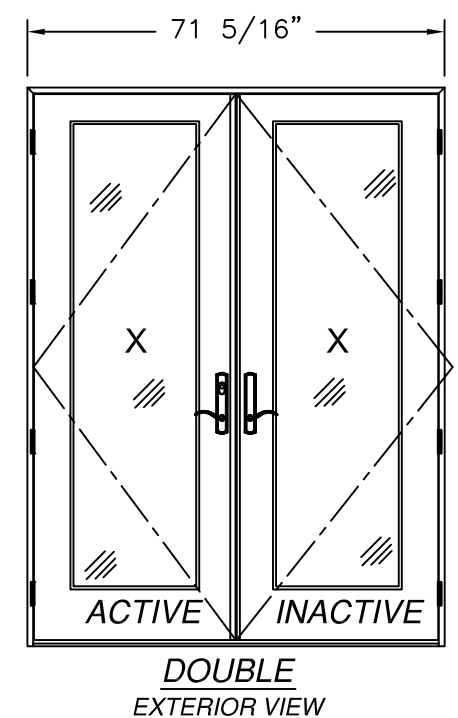
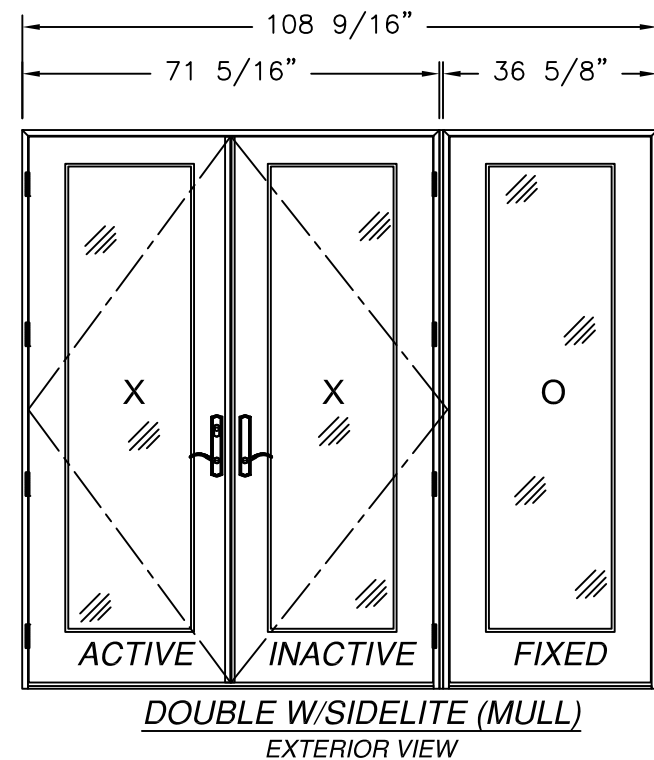
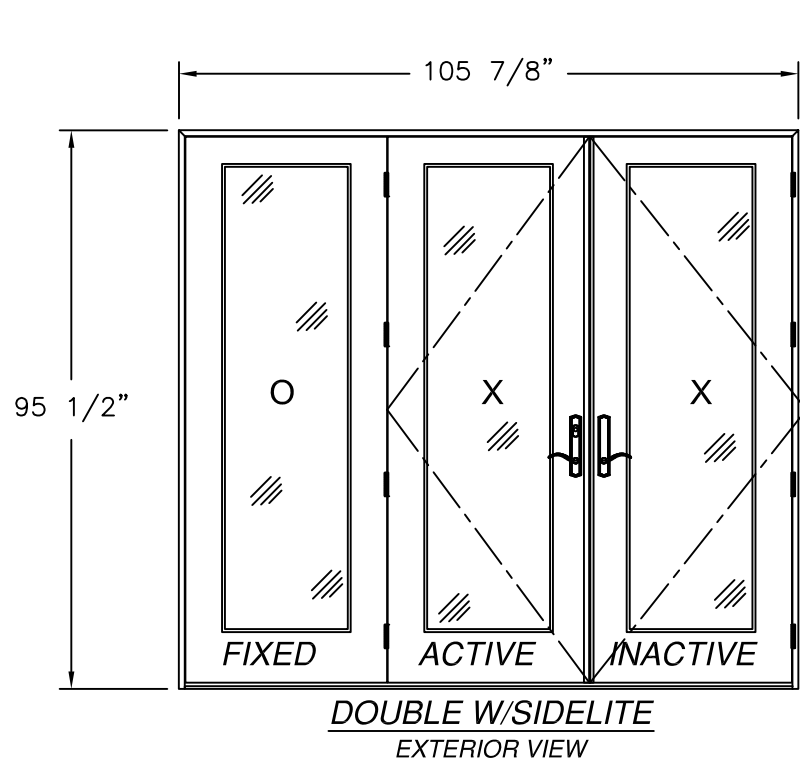
DESIGN PRESSURE RATING	IMPACT RATING
±65.0PSF	NONE

34 1/2" X 93 3/8" PANELS SHOWN. OTHER PANEL SIZES ARE APPROVED
AS LONG AS PANEL AREA DOES NOT EXCEED 22.37 FT²

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OUT-SWING PATIO DOOR W/SIDELITES FIBERGLASS GLAZED NON-IMPACT ELEVATION 2		
DRAWN: A.R.	DWG NO. 08-03402	REV B
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NOTE:
ALL APPROVED CONFIGURATIONS ARE SHOWN AS LEFT
HAND ACTIVE, RIGHT HAND ACTIVE IS ALSO APPROVED.

HARDWARE SCHEDULE	
A. (3) 4" BUTT HINGE	
B. 3 POINT LOCK SYSTEM (ACTIVE PANEL)	
C. RIGID PVC ASTRAGAL WITH ALUMINUM REINFORCEMENT	

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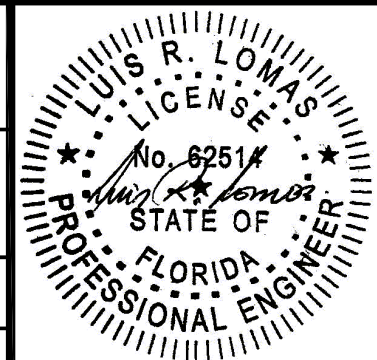
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OUT-SWING PATIO DOOR W/SIDELITES
FIBERGLASS GLAZED NON-IMPACT
APPROVED CONFIGURATIONS

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SCALE NTS	DATE 04/01/19	SHEET 3 OF 14

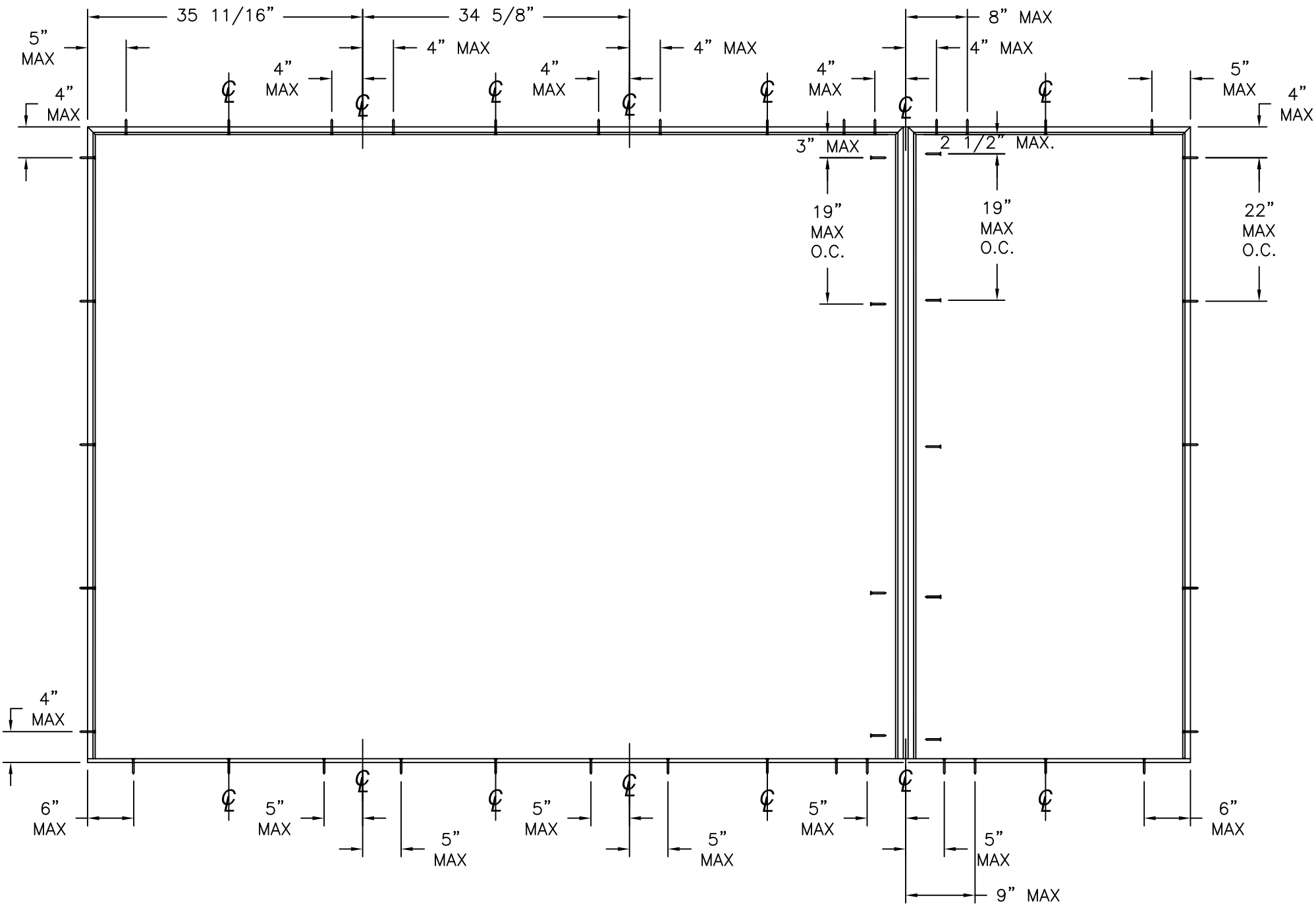
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434-688-0609 rllomas@lrlomaspe.com

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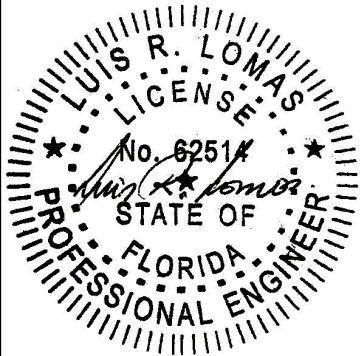
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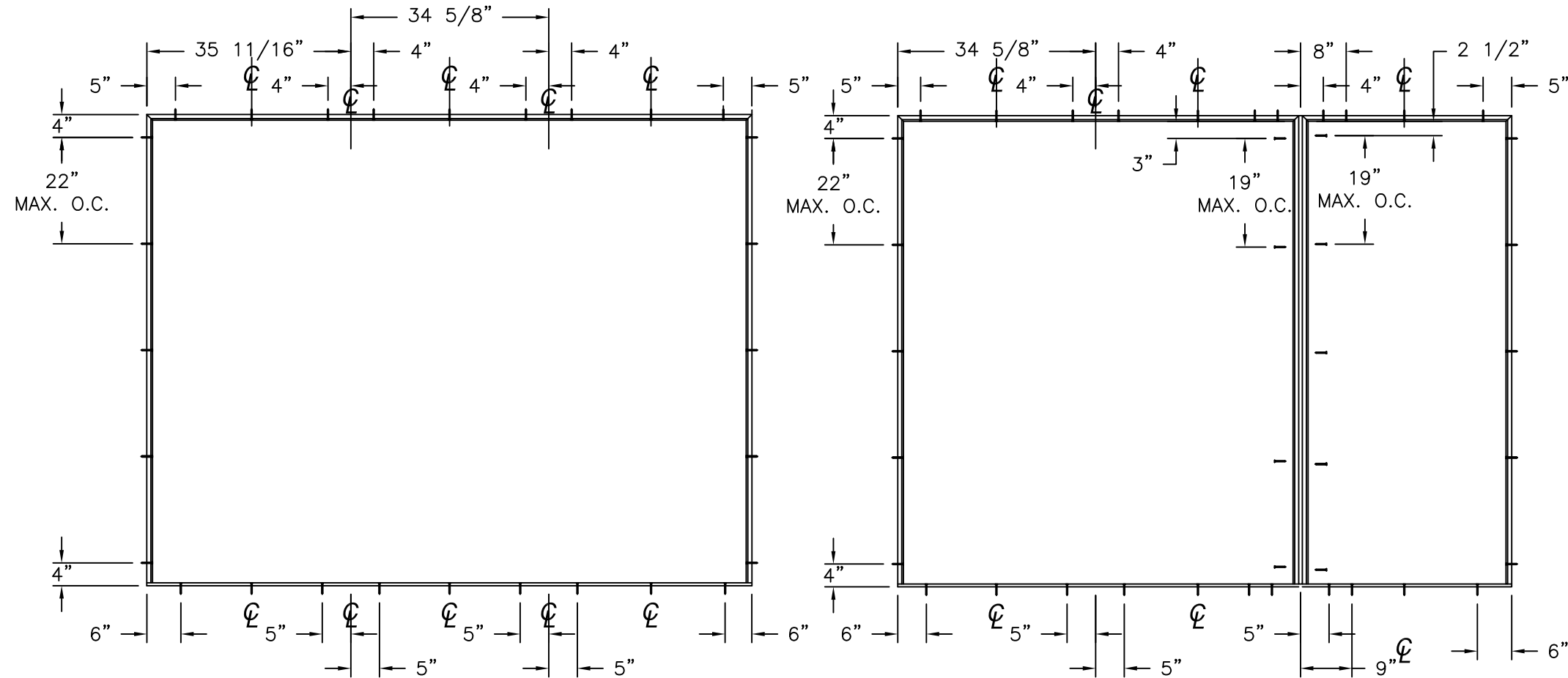
ANCHORING LAYOUT

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OUT-SWING PATIO DOOR W/SIDELITES FIBERGLASS GLAZED NON-IMPACT ANCHORING LAYOUT		
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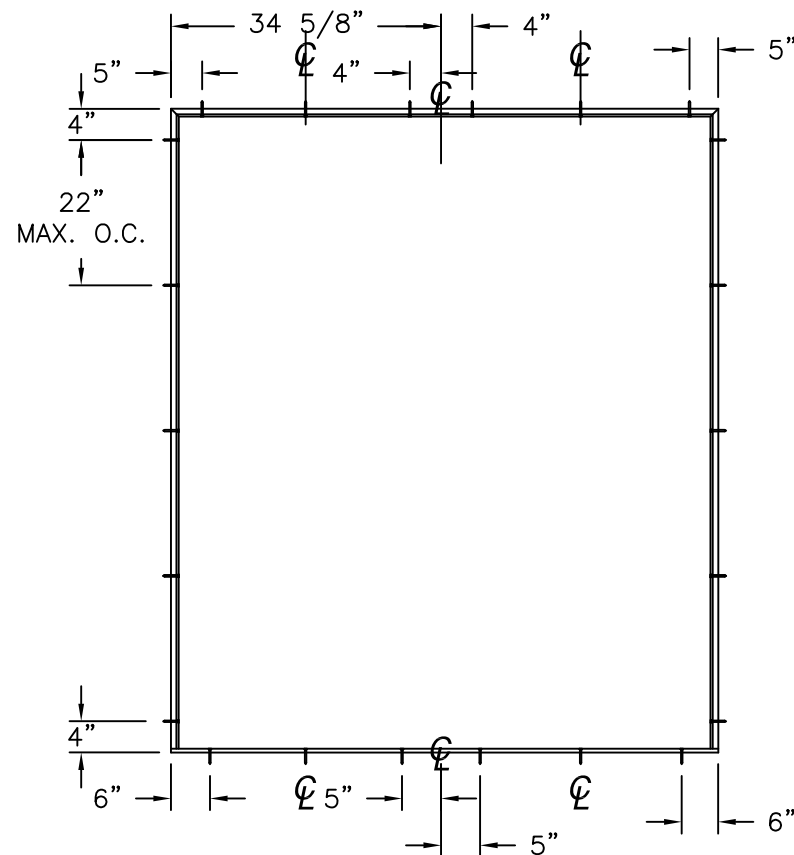


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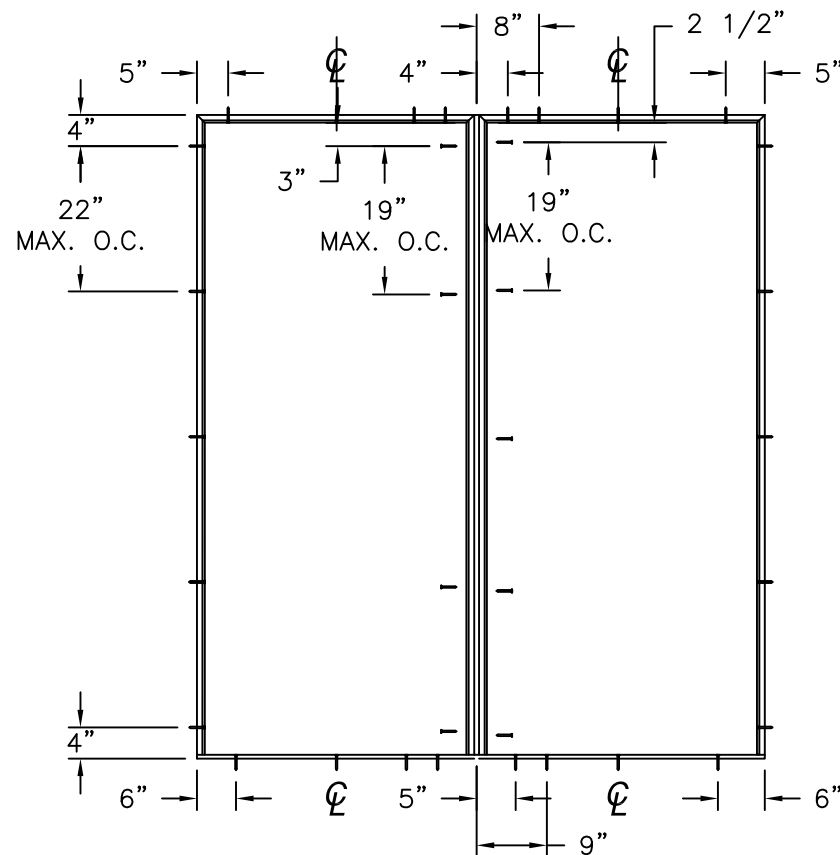


ANCHORING LAYOUT FOR OXO, XXO AND OXX

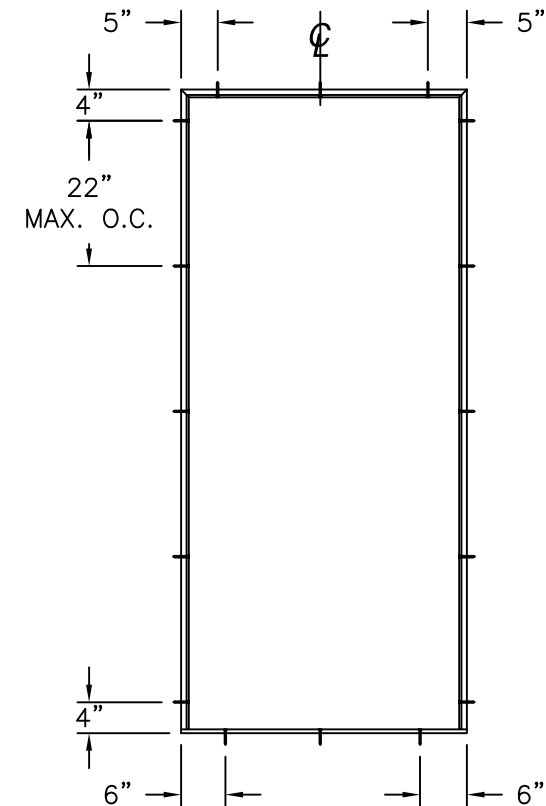
ANCHORING LAYOUT FOR OXO, XXO AND OXX (MULL)



ANCHORING LAYOUT FOR XX, OX AND XO



ANCHORING LAYOUT FOR OX AND XO (MULL)



ANCHORING LAYOUT FOR X

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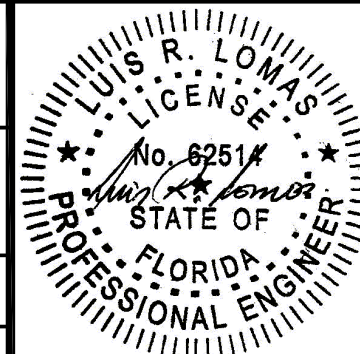
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4016 SHADRACK ST.
HOUSTON, TX 77013

OUT-SWING PATIO DOOR W/SIDELITES
FIBERGLASS GLAZED NON-IMPACT
ANCHORING LAYOUTS

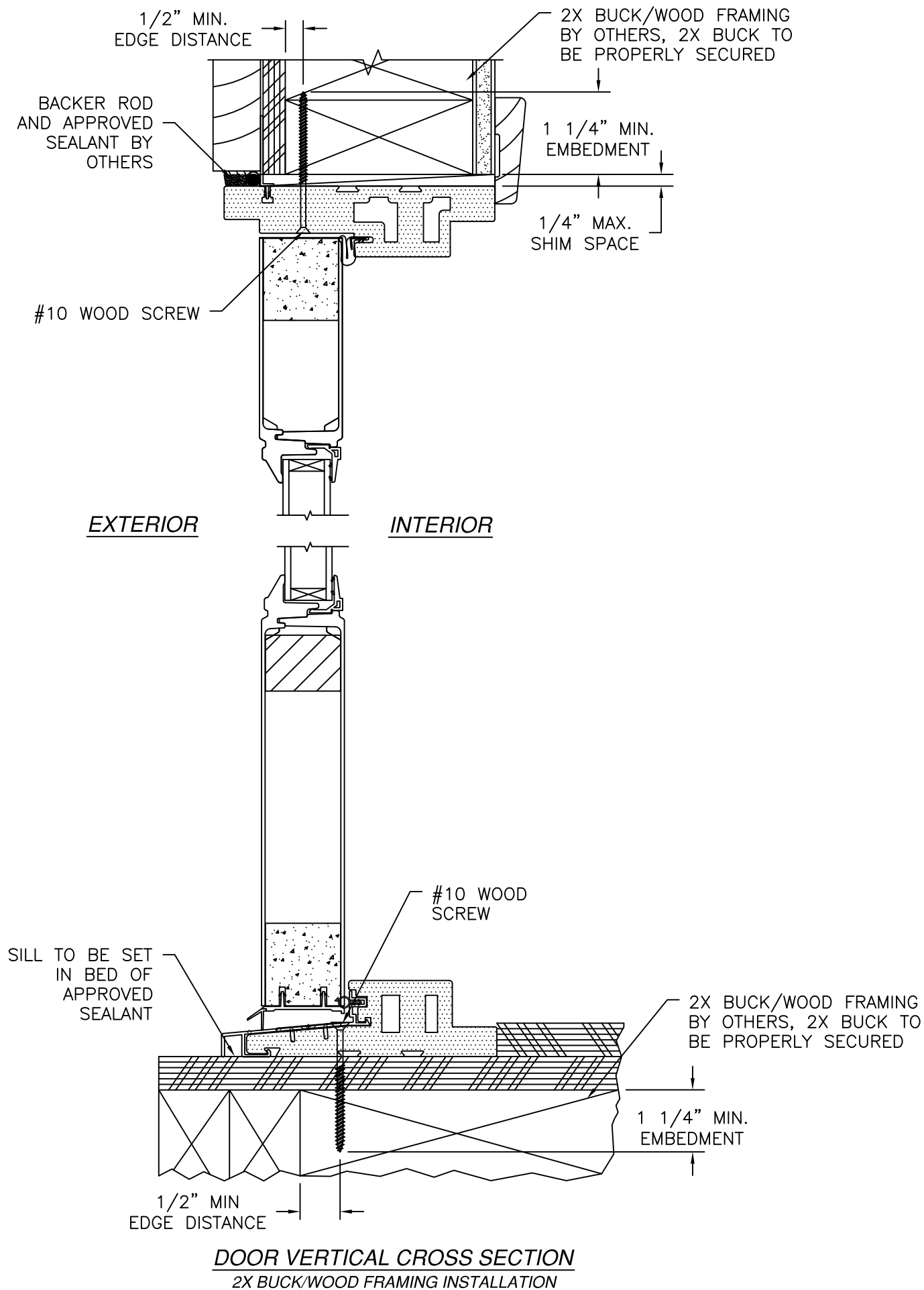
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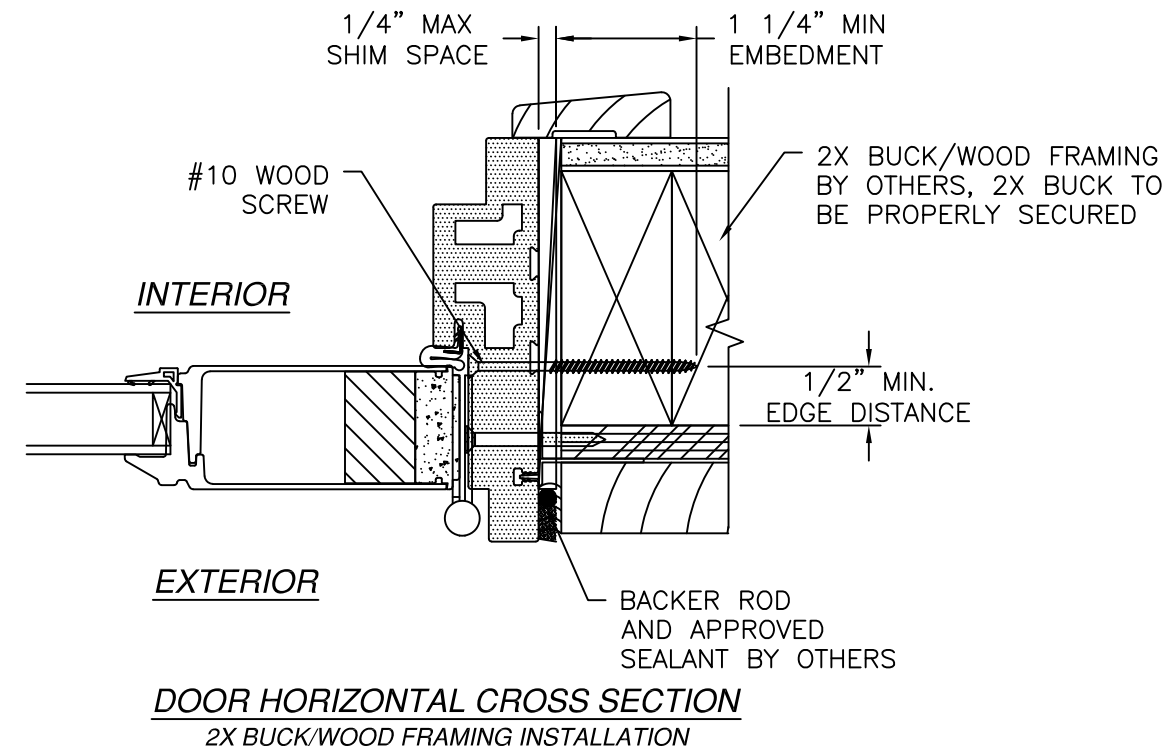
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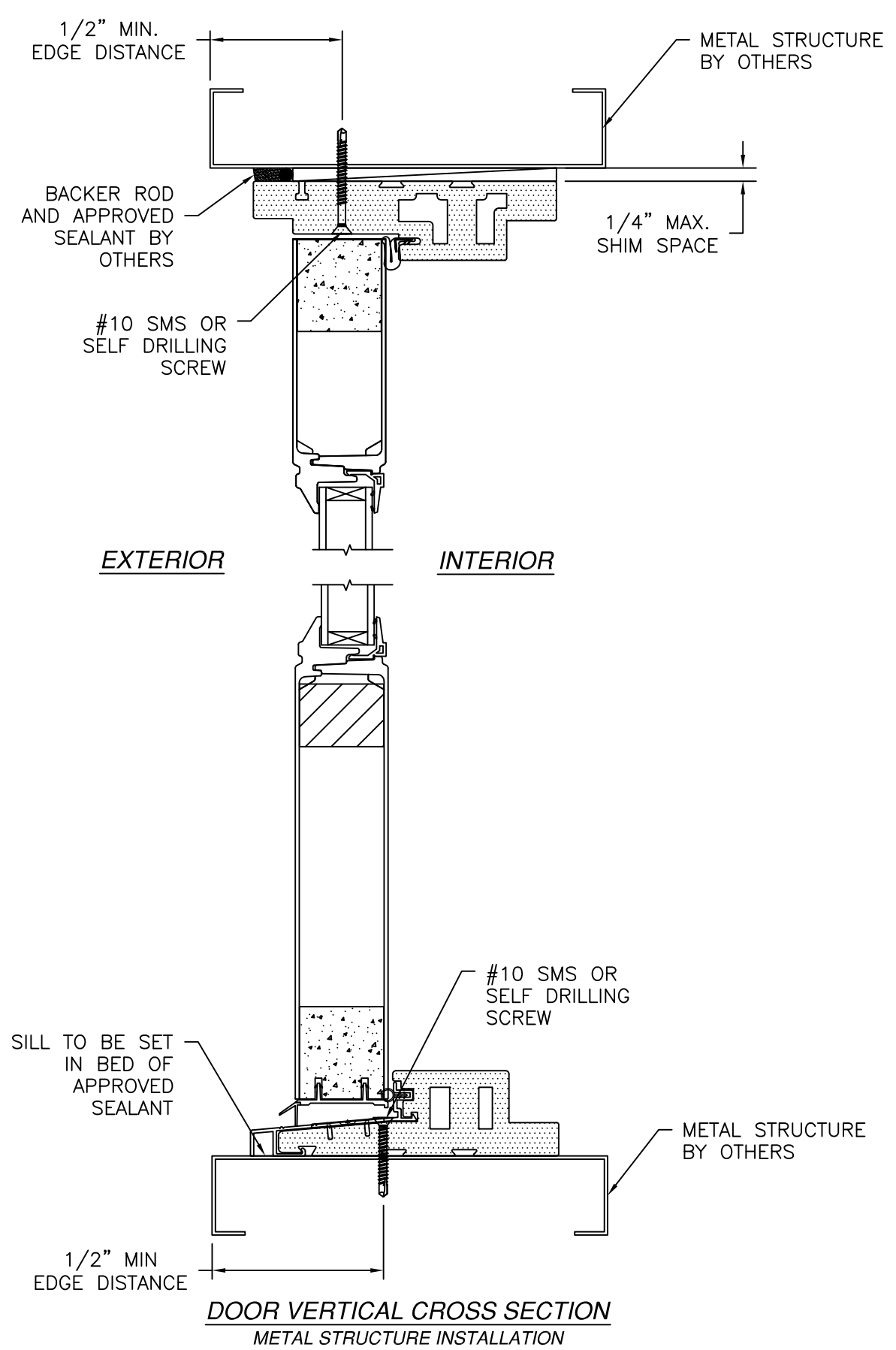
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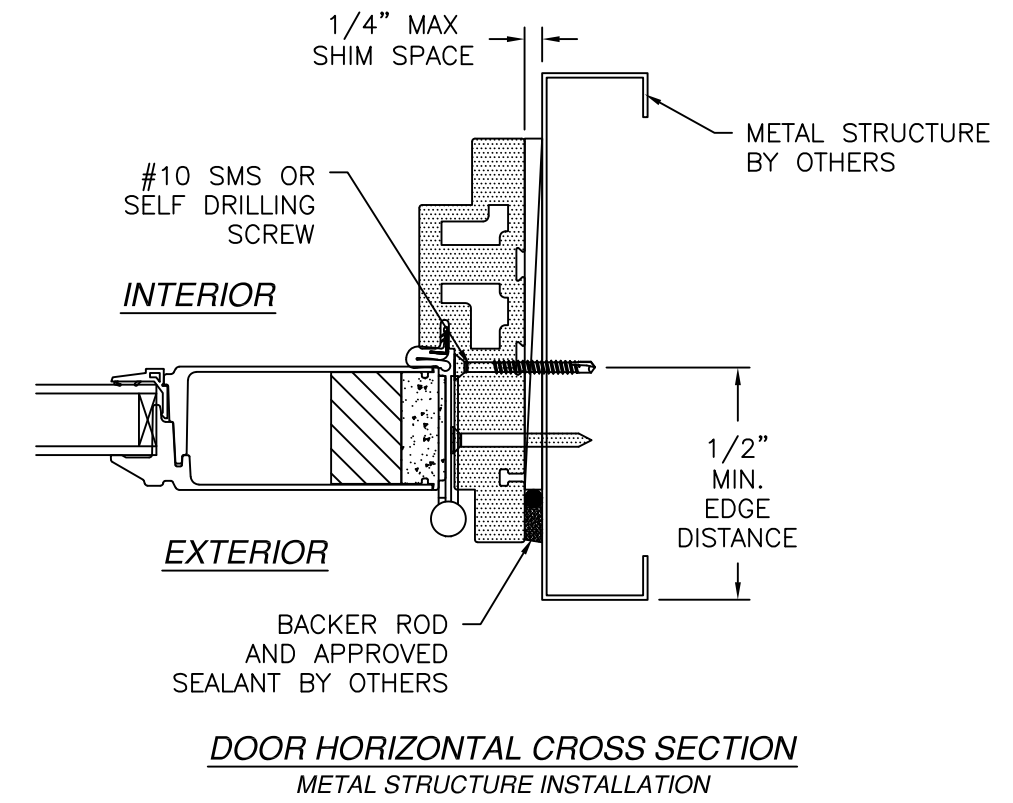
NOTES:
 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013			
OUT-SWING PATIO DOOR W/SIDELITES FIBERGLASS GLAZED NON-IMPACT DOOR INSTALLATION DETAILS			
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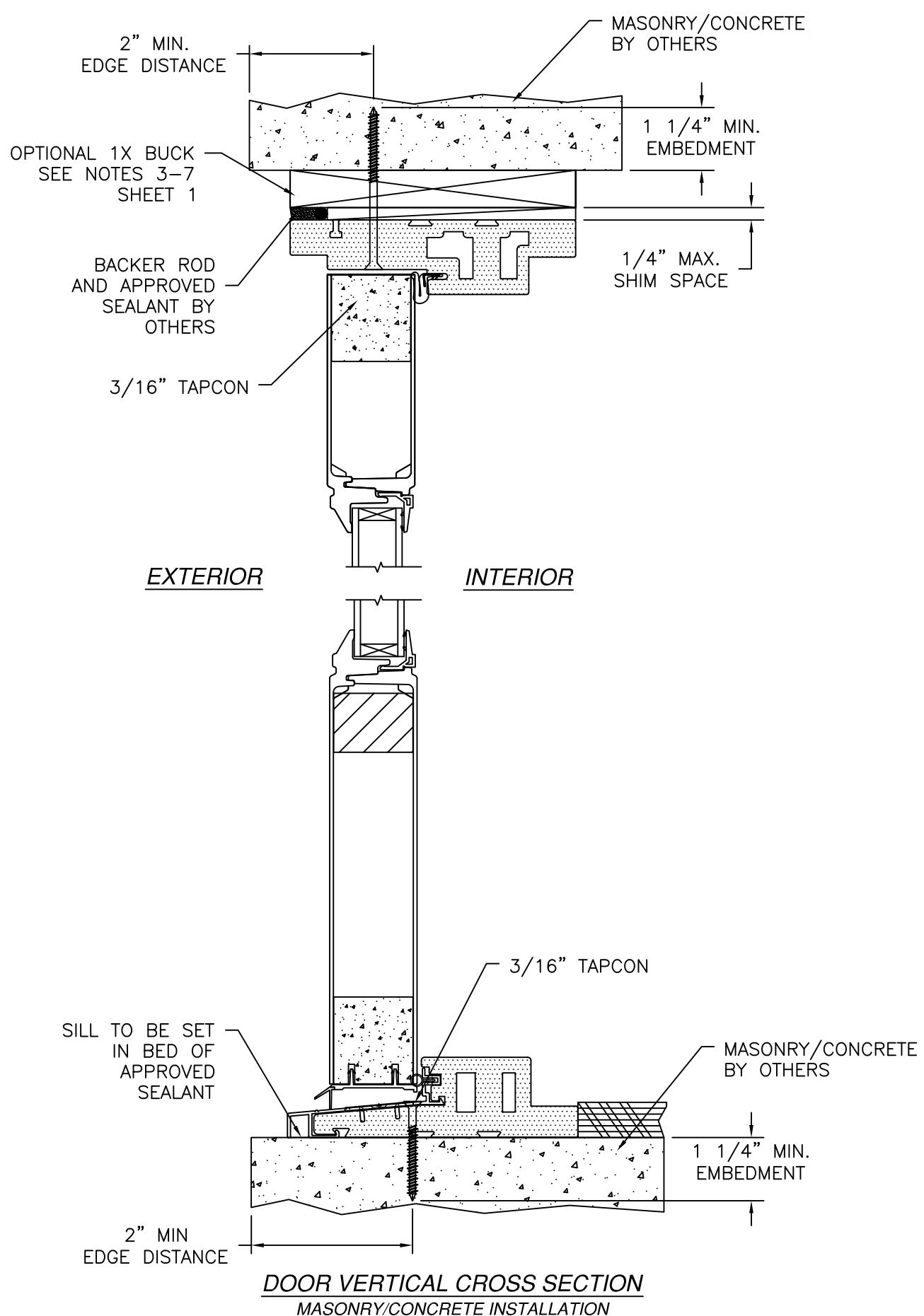
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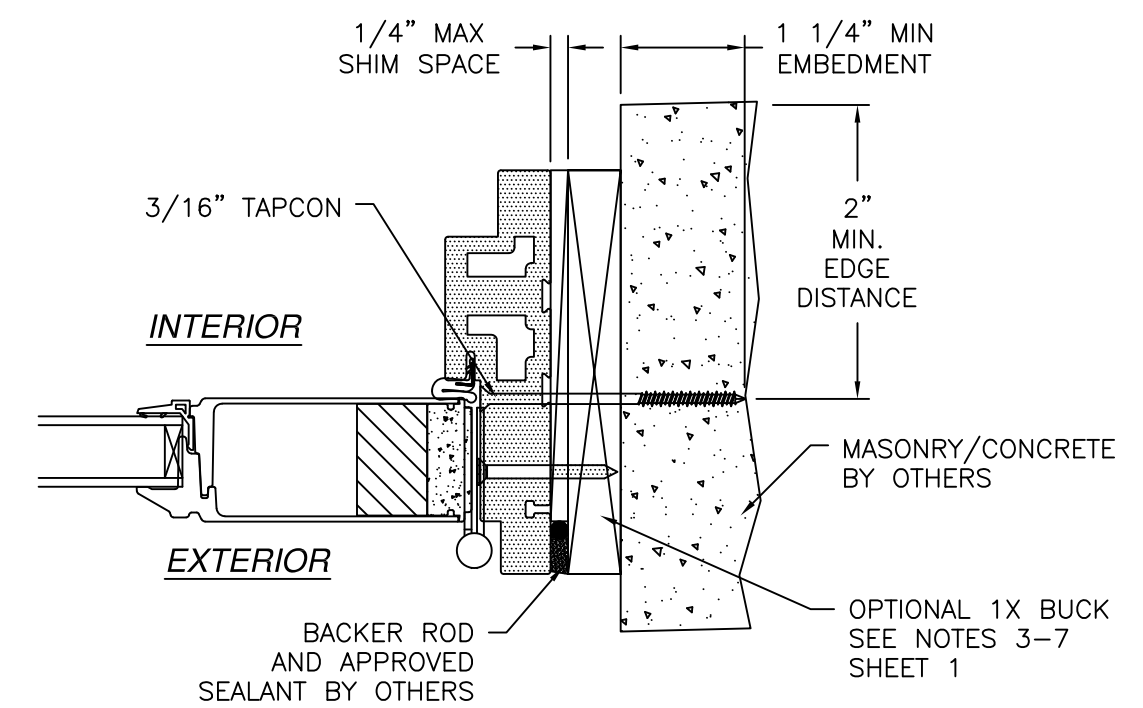
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Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

Luis R. Lomas P.E.
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DOOR VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



DOOR HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

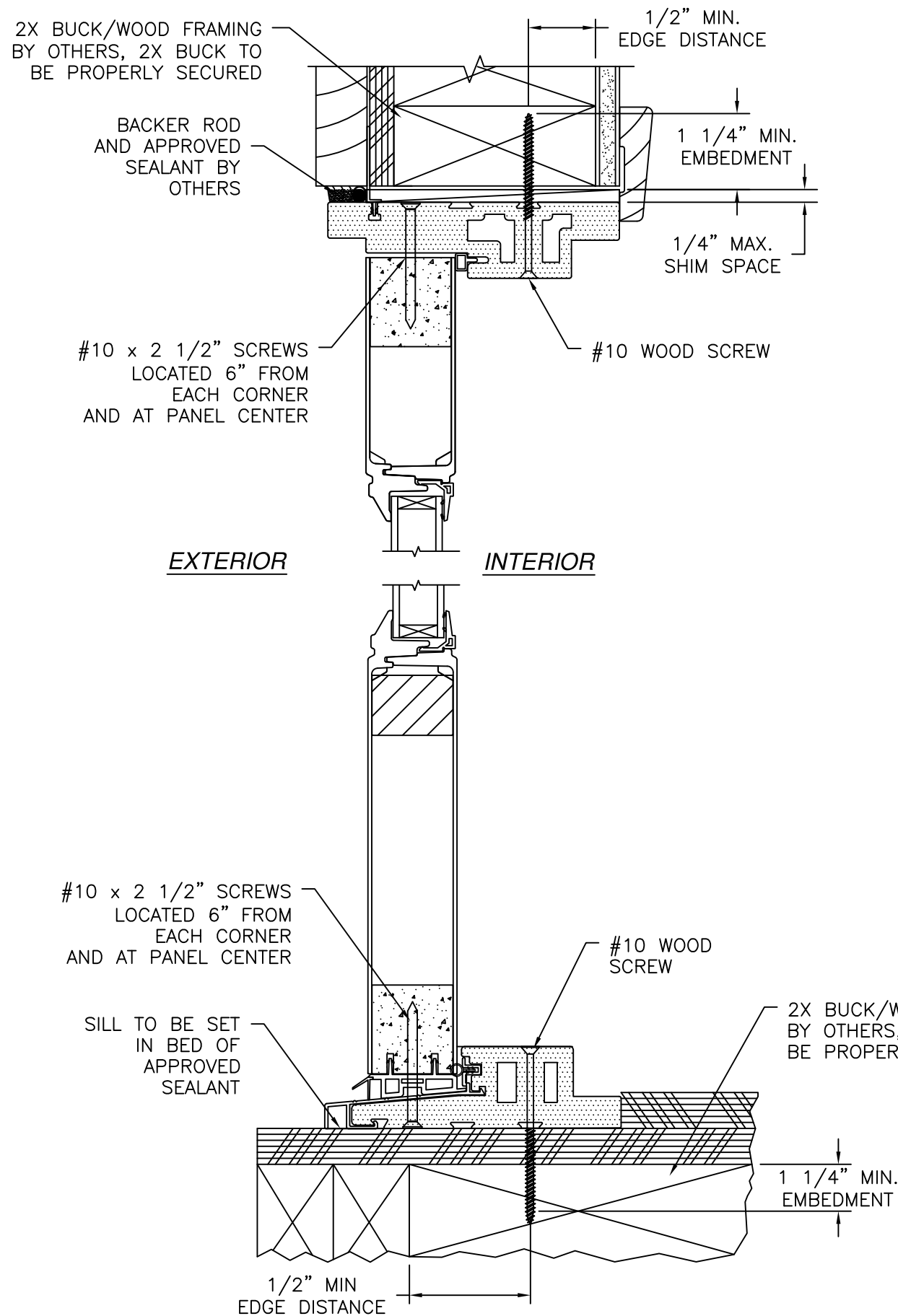
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OUT-SWING PATIO DOOR W/SIDELITES FIBERGLASS GLAZED NON-IMPACT DOOR INSTALLATION DETAILS		
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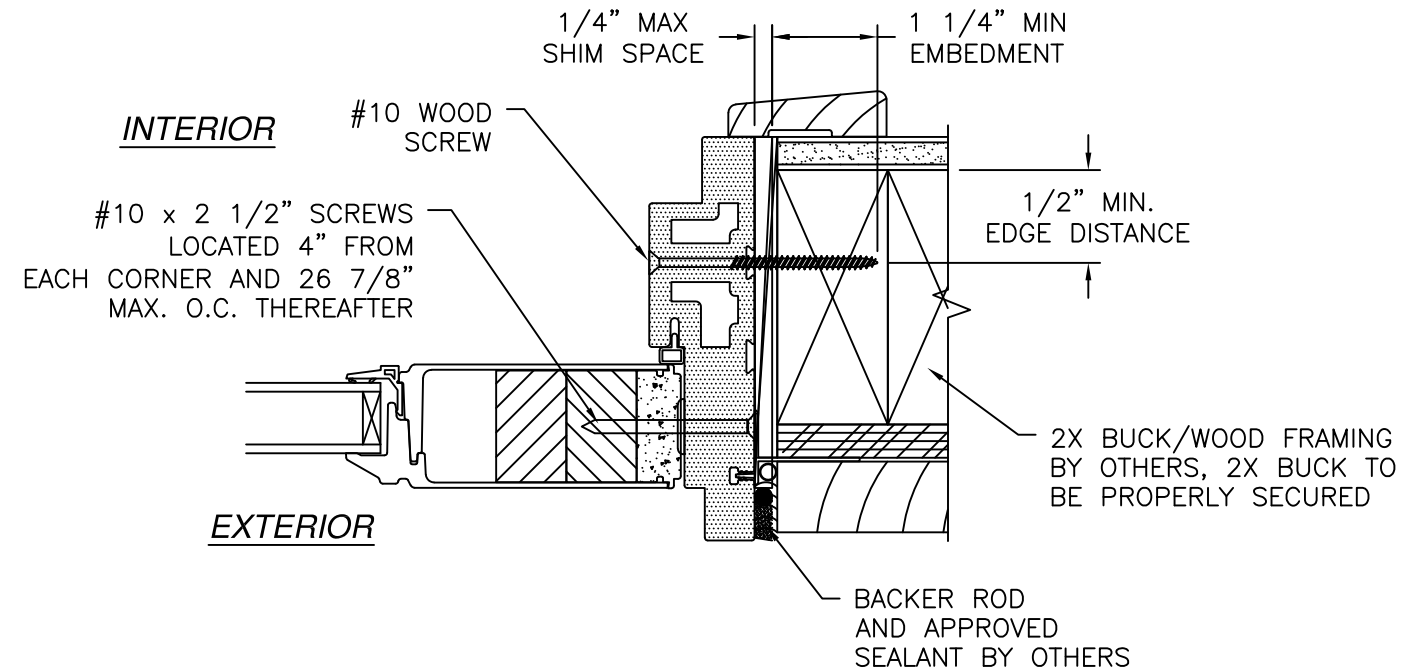
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SIDELITE VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION

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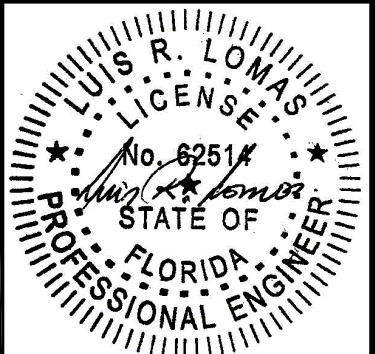


SIDELITE HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION

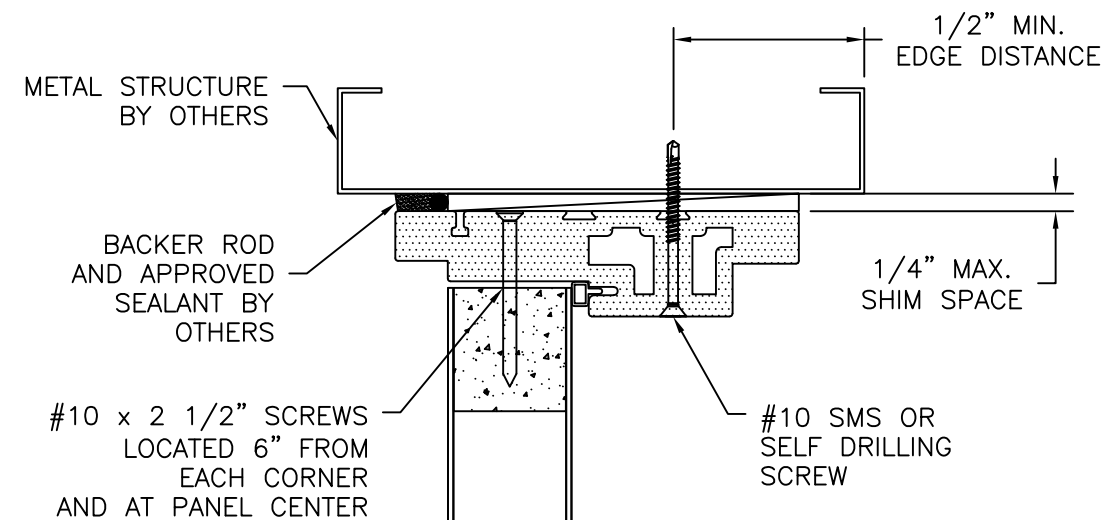
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EXTERIOR

INTERIOR

#10 x 2 1/2" SCREWS LOCATED 6" FROM EACH CORNER AND AT PANEL CENTER

SILL TO BE SET IN BED OF APPROVED SEALANT

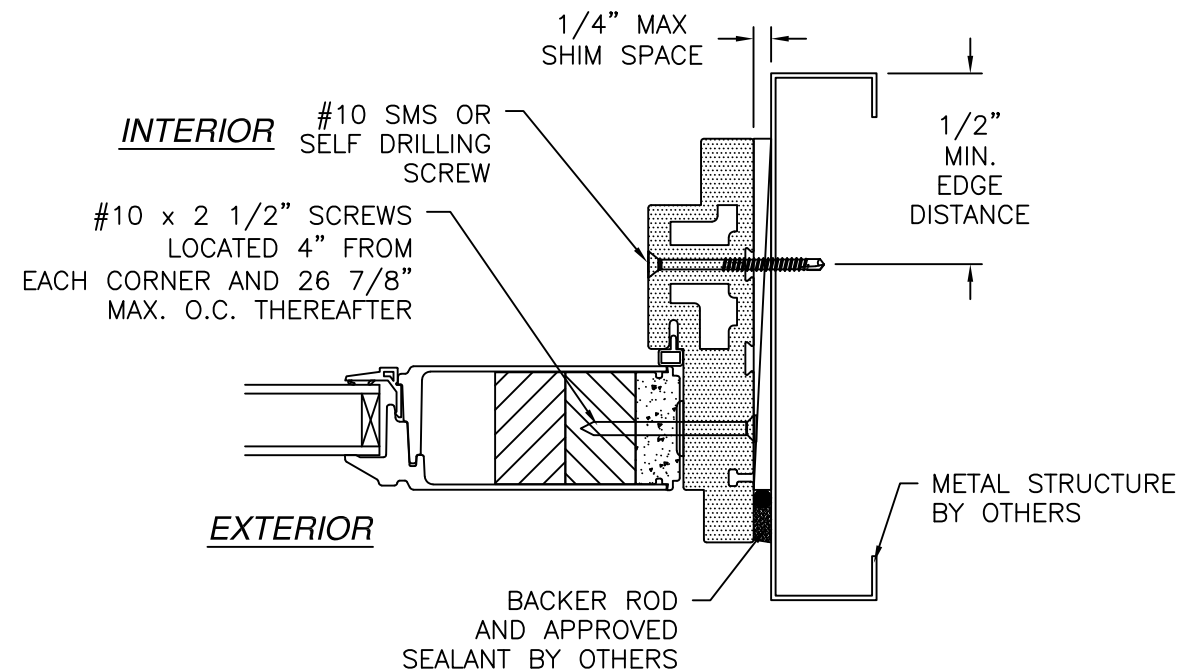
#10 SMS OR SELF DRILLING SCREW

METAL STRUCTURE BY OTHERS

1/2" MIN. EDGE DISTANCE

SIDELITE VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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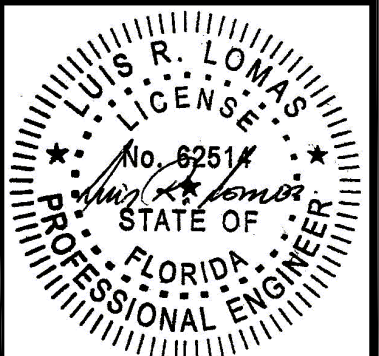


SIDELITE HORIZONTAL CROSS SECTION
METAL STRUCTURE INSTALLATION

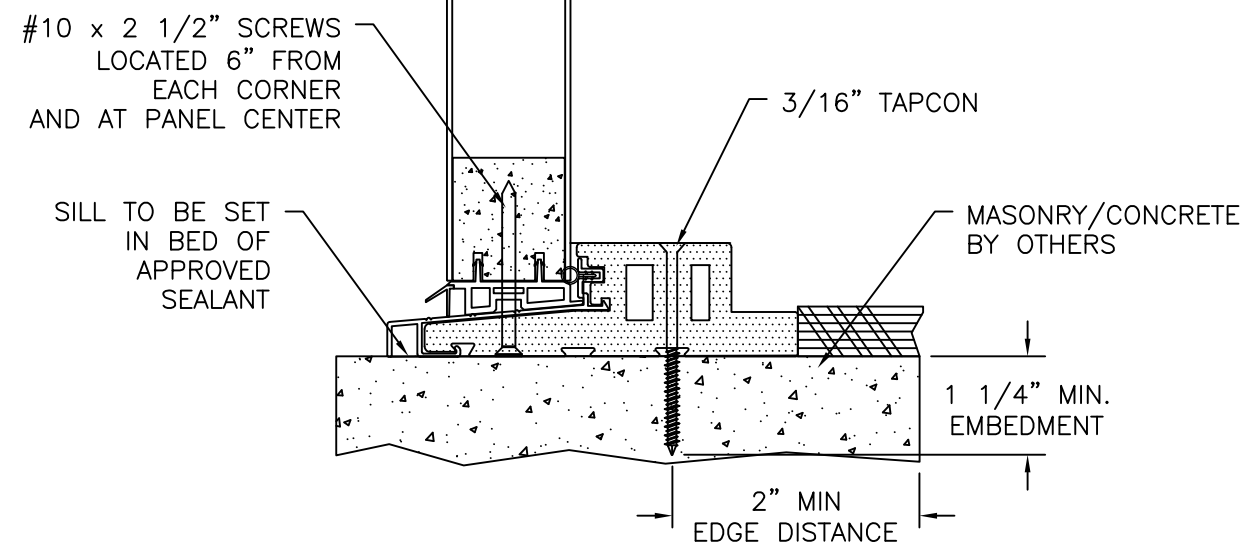
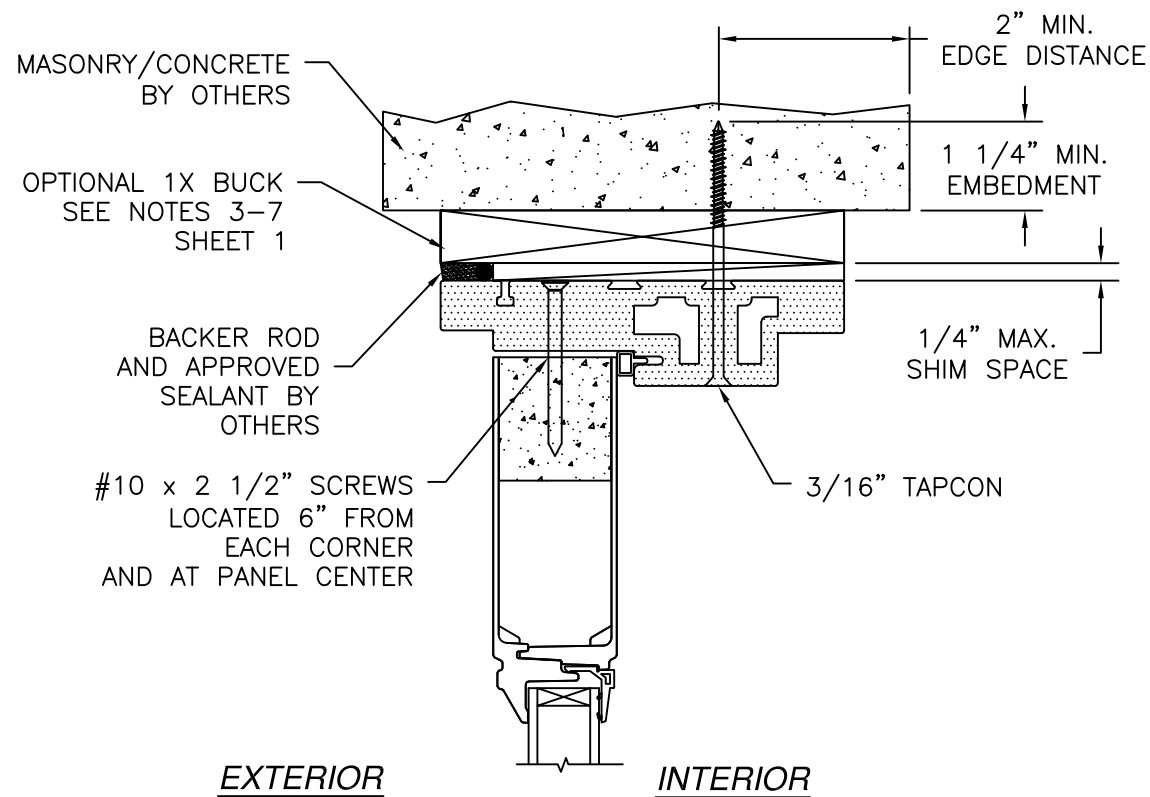
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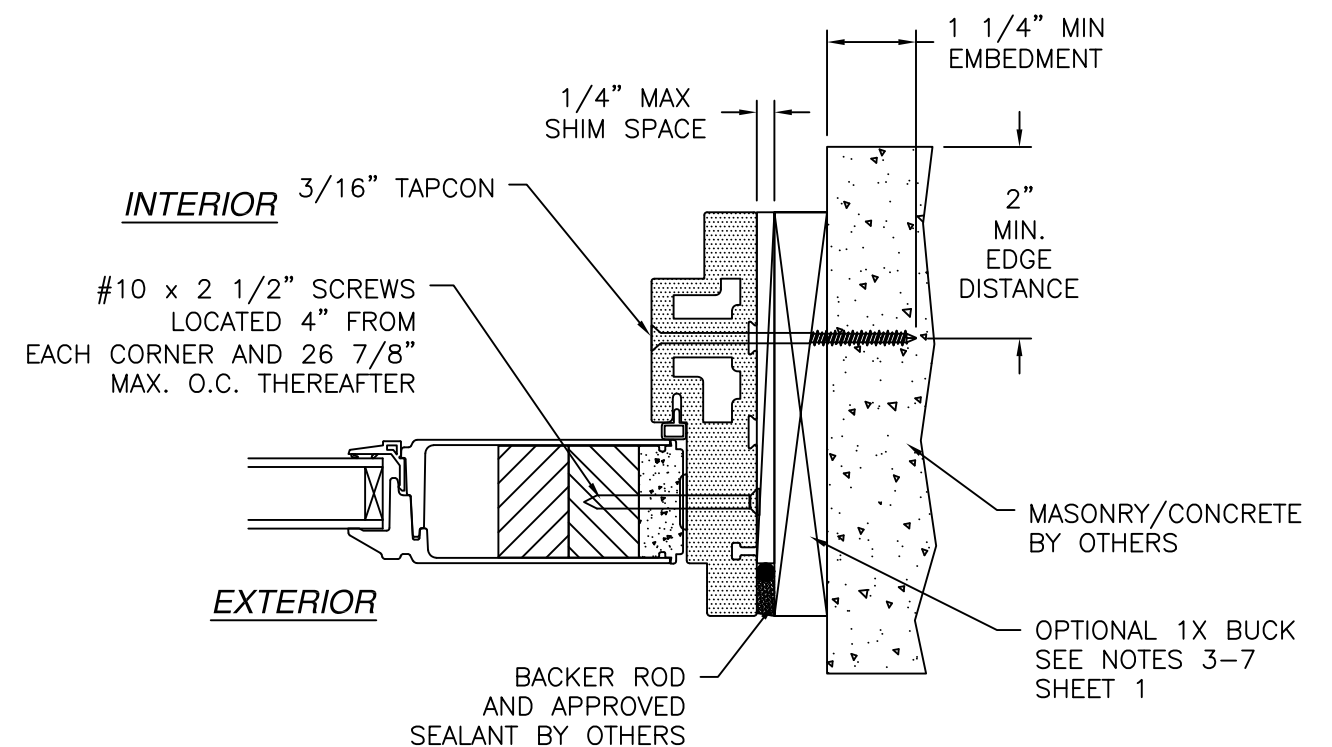
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SIDELITE VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



SIDELITE HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

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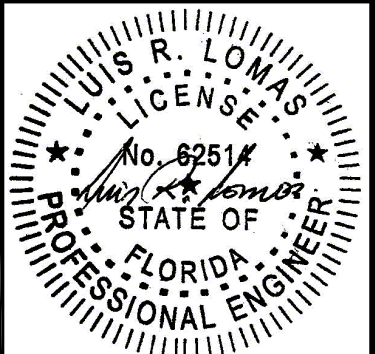
NAN YA PLASTICS CORP. USA
4016 SHADRACK ST.
HOUSTON, TX 77013

OUT-SWING PATIO DOOR W/SIDELITES
FIBERGLASS GLAZED NON-IMPACT
SIDELITE INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03402	REV B
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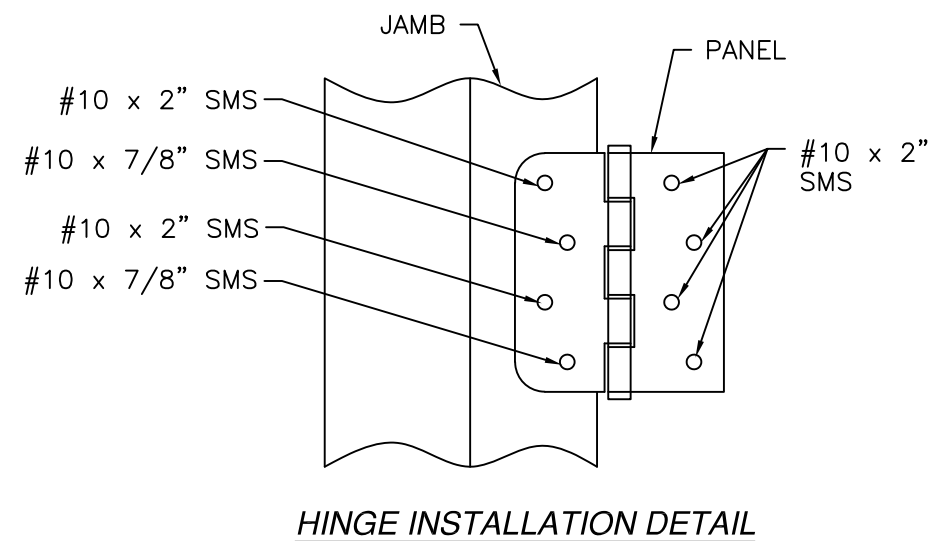
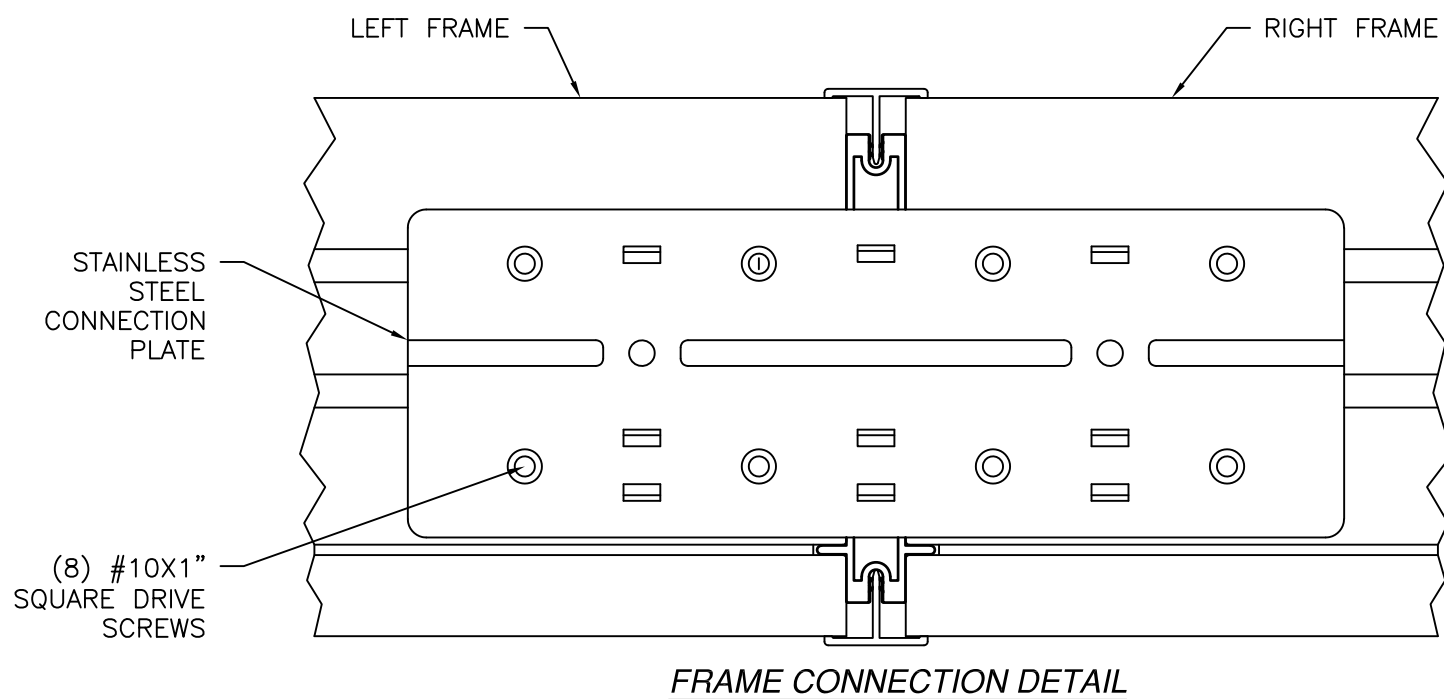
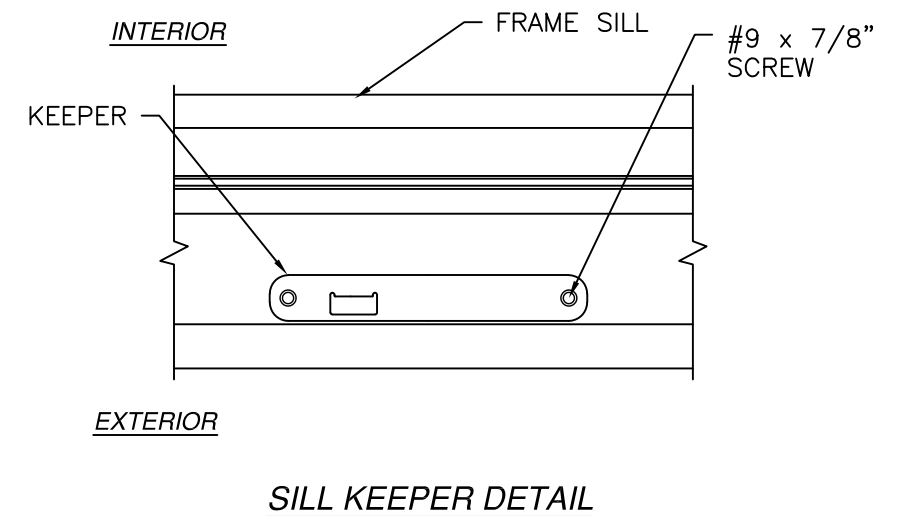
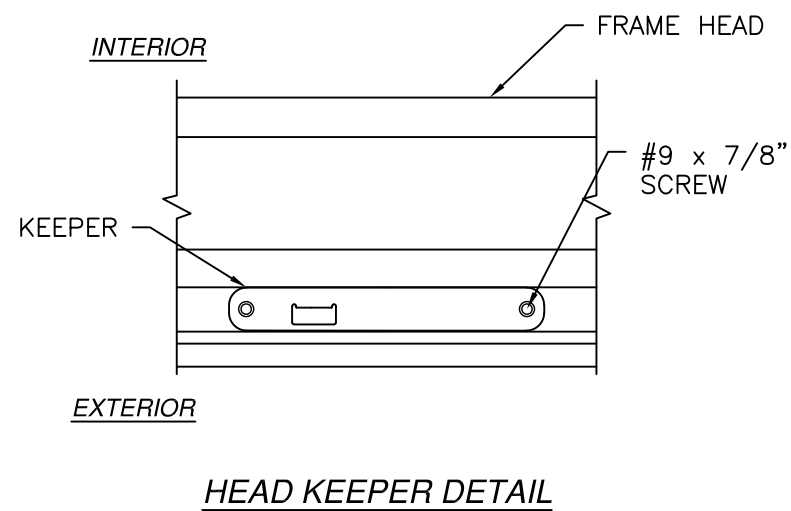
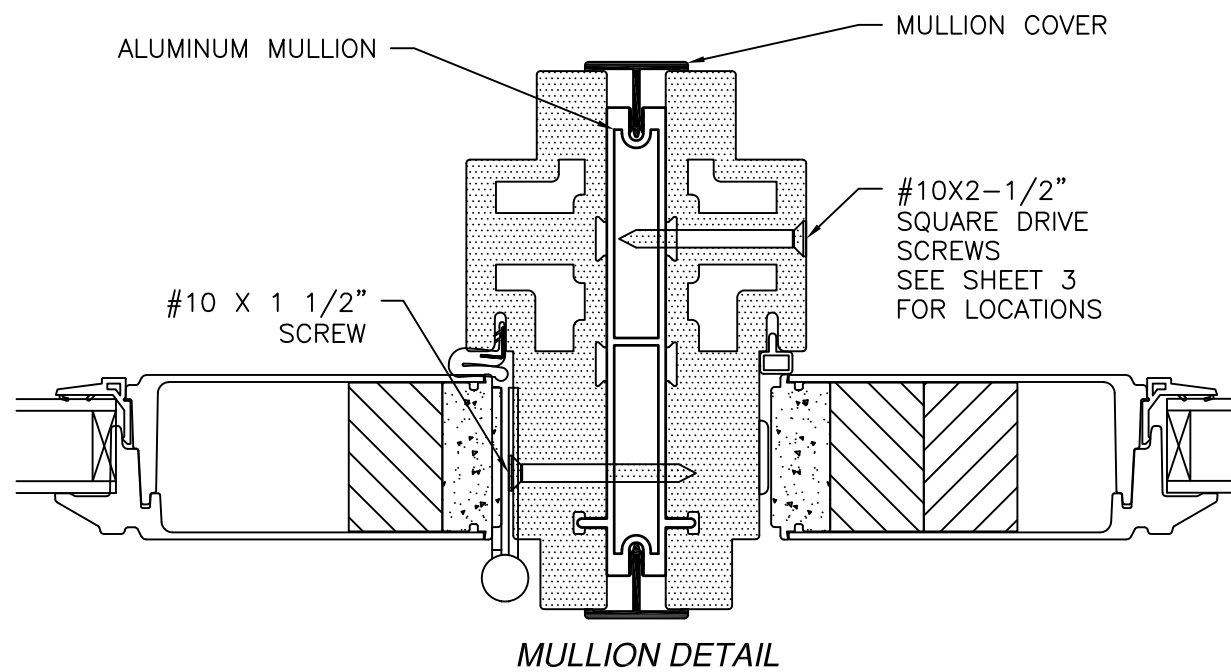
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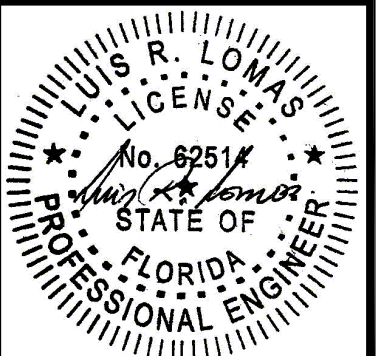


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED MANUFACTURER ADDRESS	07/13/2026	R.L.

HARDWARE SCHEDULE	
A.	(3) 4" BUTT HINGE
B.	3 POINT LOCK SYSTEM (ACTIVE PANEL)
C.	RIGID PVC ASTRAGAL WITH ALUMINUM REINFORCEMENT

NAN YA PLASTICS CORP. USA 4016 SHADRACK ST. HOUSTON, TX 77013		
OUT-SWING PATIO DOOR W/SIDELITES FIBERGLASS GLAZED NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03402	REV B
SCALE NTS	DATE 04/01/19	SHEET 12 OF 14
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

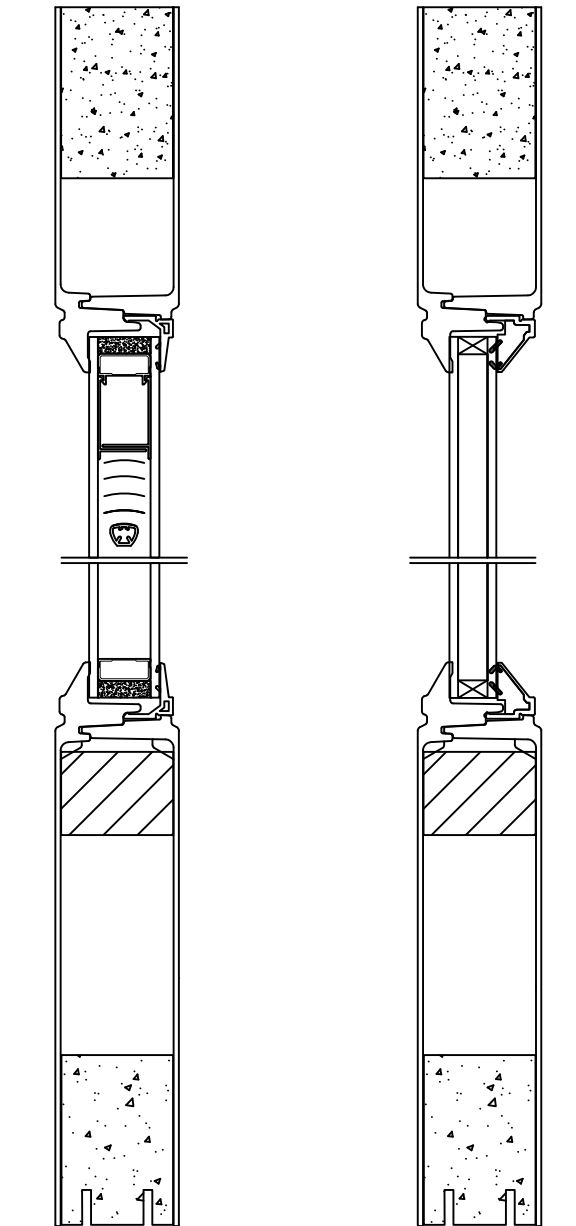
SIGNED: 07/13/2026



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

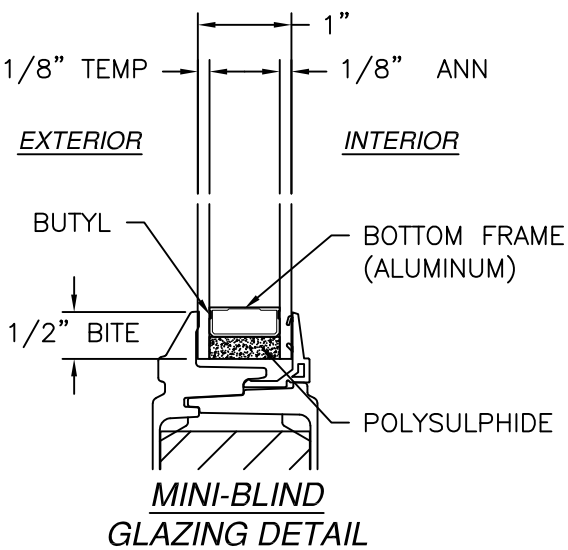
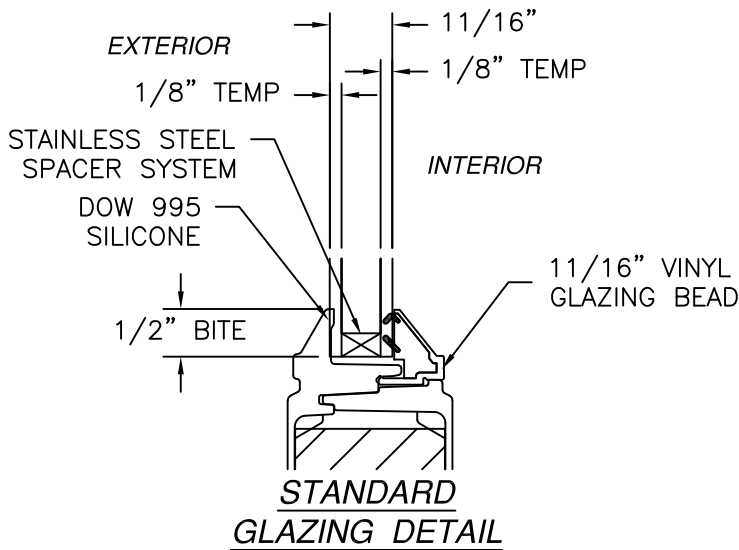
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED MANUFACTURER ADDRESS	07/13/2026	R.L.

APPROVED PANEL CONFIGURATIONS



W/MINI-BLIND

STANDARD



NAN YA PLASTICS CORP. USA

4016 SHADRACK ST.

HOUSTON, TX 77013

OUT-SWING PATIO DOOR W/SIDELITES

FIBERGLASS GLAZED NON-IMPACT

GLAZING DETAILS

DRAWN: A.R.

DWG NO. 08-03402

REV B

SCALE NTS

DATE 04/01/19

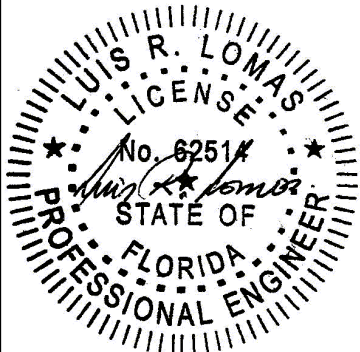
SHEET 13 OF 14

L. ROBERTO LOMAS P.E.

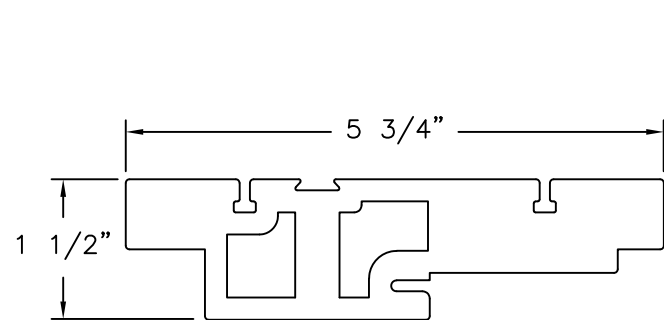
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

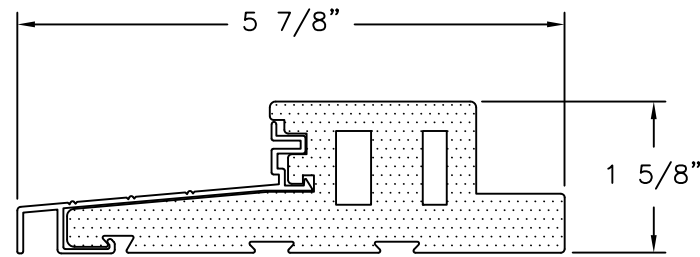
SIGNED: 07/13/2026



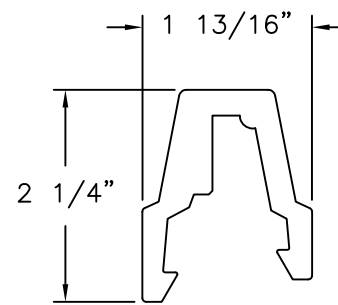
Luis R. Lomas P.E.
FL No.: 62514



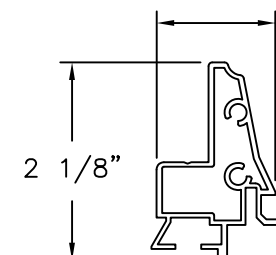
HEAD FRAME & JAMB
FOAM PVC CO-EX



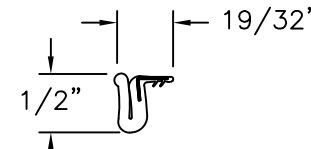
OUTSWING DOOR SILL DETAIL



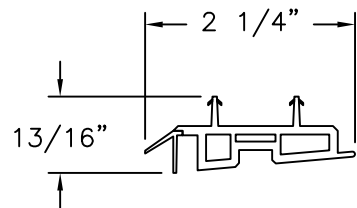
T-ASTRAGAL (B)
FOAM PVC



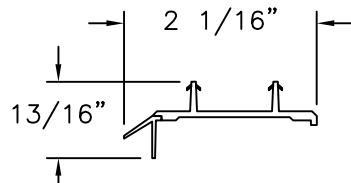
REINFORCEMENT (B)
ALUMINUM



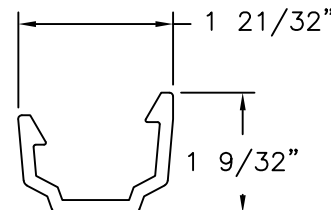
Q-LON WEATHER STRIP
FOAM PU, PE FILM



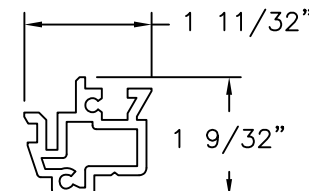
DOOR BOTTOM-A
FOAM & RIGID PVC



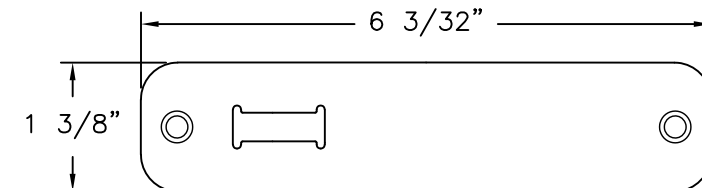
DOOR BOTTOM-B
RIGID PVC CO-EX



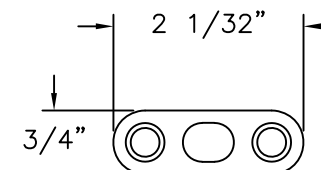
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RIGID PVC



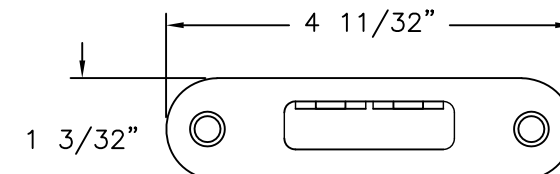
REINFORCEMENT (A)
ALUMINUM



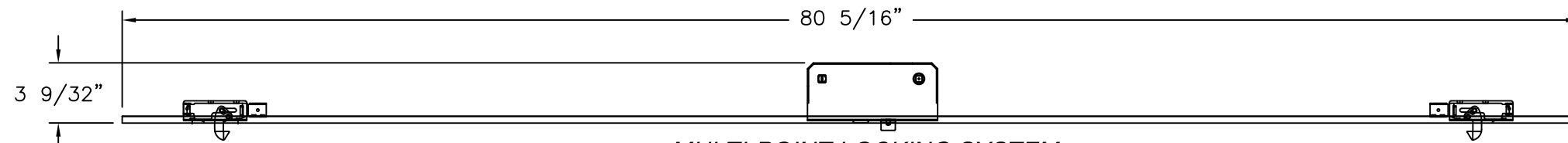
TOP/BOTTOM BAR KEEPER
STAINLESS STEEL BY JAM YUAN ENTERPRISES CO., LTD.



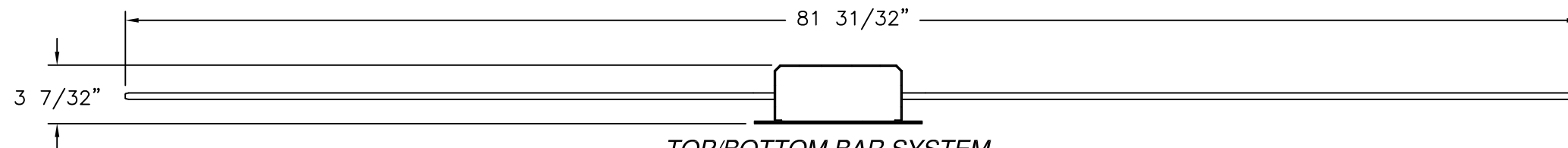
DRIVE BAR PLATE
STAINLESS STEEL
BY JAM YUAN ENTERPRISES CO., LTD.



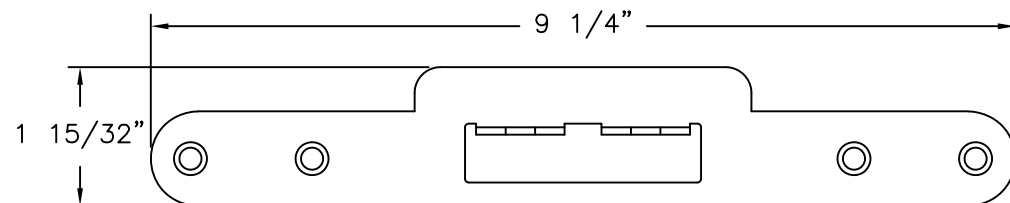
HOOK KEEPER
STAINLESS STEEL
BY JAM YUAN ENTERPRISES CO., LTD.



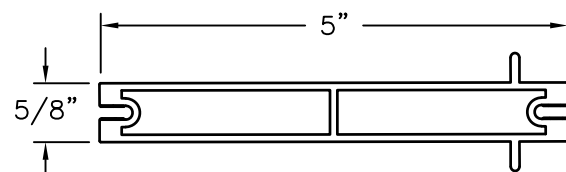
MULTI-POINT LOCKING SYSTEM
STAINLESS STEEL BY JAM YUAN ENTERPRISES CO., LTD.



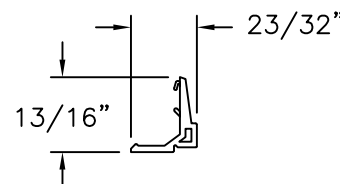
TOP/BOTTOM BAR SYSTEM
STAINLESS STEEL BY JAM YUAN ENTERPRISES CO., LTD.



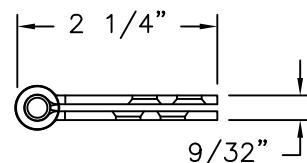
SLAB MULTI-POINT LOCK KEEER
STAINLESS STEEL BY JAM YUAN ENTERPRISES CO., LTD.



ALUMINUM MULLION
ALUMINUM



GLAZING BEAD
PVC



4" X 4" DOOR HINGE
STEEL

REVISIONS			
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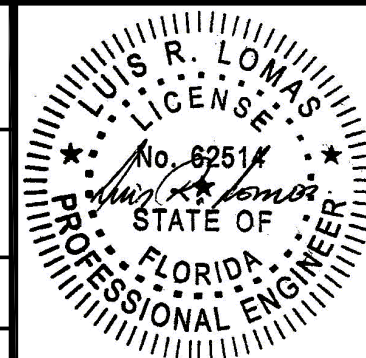
NAN YA PLASTICS CORP. USA
4016 SHADRACK ST.
HOUSTON, TX 77013

OUT-SWING PATIO DOOR W/SIDELITES
FIBERGLASS GLAZED NON-IMPACT
COMPONENTS

DRAWN: A.R.	DWG NO. 08-03402	REV B
SCALE NTS	DATE 04/01/19	SHEET 14 OF 14

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SIGNED: 07/13/2026



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