REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	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 IS REQUIRED 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 1 1/2" THICK.
19. FRAME SILL MATERIAL: CO–EXTRUDED PVC FOAM 2" THICK WITH ALUMINUM CLADDING .063" THICK.
20. 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.
21. HINGE LOCATION: 9", 34 1/2", 60" AND 85 5/8" FROM BOTTOM OF PANEL.
22. APPROVED CONFIGURATIONS: O, X, OX, XO, XX, OXO, XXO, OXX, OXXO, O/X, XX/O, OXX/O AND O/XX/O, SEE SHEET 3.

SIGNED: 02/24/2021

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3	APPROVED CONFIGURATIONS
4 – 5	ANCHORING LAYOUTS
6 – 12	INSTALLATION DETAILS
13	COMPONENTS

NAN YA PLASTICS CORP. USA
8989 NORTH LOOP EAST
HOUSTON, TX 77029

OUT–SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS GLAZED
ELEVATION AND NOTES

DRAWN:	DWG NO.	REV
V.L.	08–01555	B

SCALE	DATE	SHEET
NTS	05/31/12	1 OF 13

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

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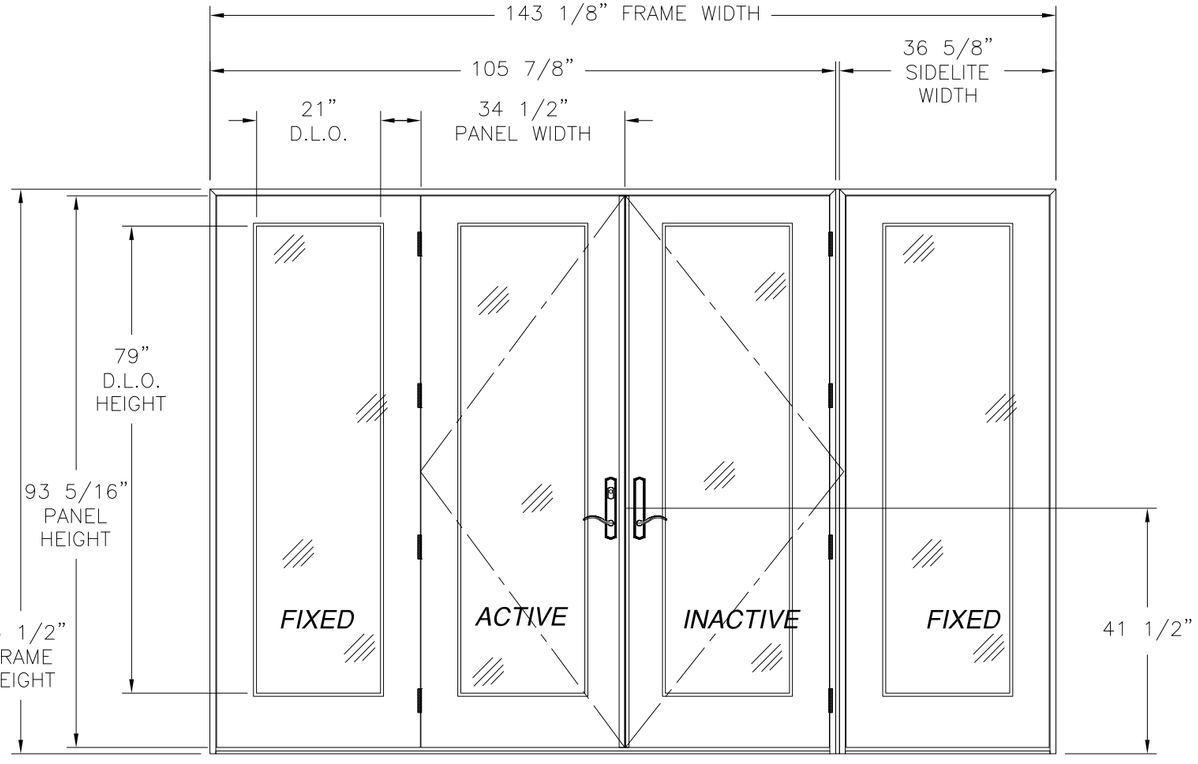
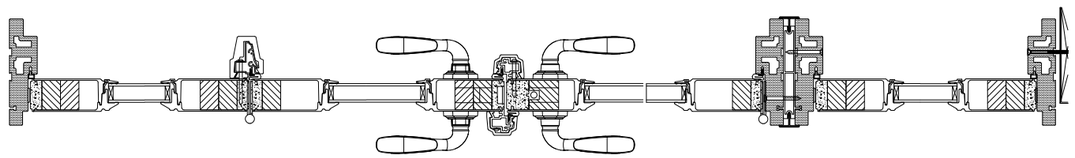


OUT-SWING PATIO DOUBLE DOOR W/ SIDELITES

EXTERIOR VIEW



HORIZONTAL CROSS SECTION

DESIGN PRESSURE RATING	*IMPACT RATING*
±70PSF	*NONE*

34 1/2" X 93 5/16" PANELS ARE SHOWN. OTHER PANEL SIZES ARE APPROVED AS LONG AS PANEL AREA DOES NOT EXCEED 22.35 FT²

HARDWARE SCHEDULE	
A.	(4) 4" LONG SURFACE MOUNT METALLIC BUTT HINGE, 9", 34 1/2", 60" AND 85 5/8" FROM BOTTOM AT ACTIVE PANEL HINGE STILE
B.	(4) 4" LONG SURFACE MOUNT METALLIC BUTT HINGE, 9", 34 1/2", 60" AND 85 5/8" FROM BOTTOM AT INACTIVE PANEL HINGE STILE
C.	(1) SURFACE MOUNT METALLIC 3 POINT LOCK SYSTEM, 39" FROM BOTTOM AT ACTIVE PANEL LOCK STILE
D.	(1) SURFACE MOUNT METALLIC STRIKE PLATES, 39 1/4" FROM BOTTOM AT INACTIVE PANEL LOCK STILE
E.	(1) FLUSH MOUNT METALLIC STRIKE PLATE, 70" FROM LEFT AT THRESHOLD
F.	(1) FLUSH MOUNT METALLIC STRIKE PLATE, 70" FROM LEFT AT FRAME HEAD
G.	(2) FLUSH MOUNT METALLIC STRIKE PLATE, 6 1/4" AND 84 1/4" FROM BOTTOM AT INACTIVE PANEL LOCK STILE
H.	(1) SURFACE MOUNT METALLIC 2 POINT LOCK SYSTEM, 39" FROM BOTTOM AT INACTIVE PANEL LOCK STILE
I.	(1) 92 3/4" LONG ALUMINUM REINFORCEMENT INSIDE ACTIVE PANEL ASTRAGAL ADAPTER
J.	(1) 92 3/8" LONG ALUMINUM REINFORCEMENT INSIDE INTERMEDIATE FRAME MEMBER
K.	(1) 91 5/8" LONG ALUMINUM REINFORCEMENT INSIDE INACTIVE PANEL ASTRAGAL ADAPTER
L.	(1) 88 7/8" LONG WOOD REINFORCEMENT INSIDE ACTIVE AND INACTIVE PANEL HINGE STILES
M.	(1) 88 7/8" LONG WOOD REINFORCEMENT INSIDE ACTIVE PANEL LOCK STILE
N.	(1) 88 7/8" LONG WOOD REINFORCEMENT INSIDE INACTIVE PANEL LOCK STILE
O.	(1) 1 9/16" X 85 7/8" X 1/8" THICK STEEL FLAT BAR REINFORCEMENT INSIDE INACTIVE PANEL LOCK STILE
P.	(1) 1 9/16" X 85 7/8" X 1/8" THICK STEEL FLAT BAR REINFORCEMENT INSIDE ACTIVE PANEL LOCK STILE
Q.	(1) 1 9/16" X 85 7/8" X 1/8" THICK STEEL FLAT BAR REINFORCEMENT INSIDE ACTIVE AND INACTIVE PANEL HINGE STILES
R.	(1) 20 1/8" LONG WOOD REINFORCEMENT INSIDE THE ACTIVE AND INACTIVE PANEL TOP RAILS
S.	(1) 20 1/8" LONG WOOD REINFORCEMENT INSIDE THE ACTIVE AND INACTIVE PANEL BOTTOM RAILS
T.	(1) 20 1/8" LONG WOOD REINFORCEMENT INSIDE THE ACTIVE AND INACTIVE THE LEFT AND RIGHT SIDELITE TOP RAIL
U.	(1) 20 1/8" LONG WOOD REINFORCEMENT INSIDE THE RIGHT SIDELITE BOTTOM RAIL
V.	(1) 1 9/16" X 85 7/8" X 1/8" THICK STEEL FLAT BAR REINFORCEMENT INSIDE LEFT SIDELITE AND RIGHT SIDELITE PANEL JAMB STILES
X.	(1) 88 7/8" LONG WOOD REINFORCEMENT INSIDE THE LEFT SIDELITE AND RIGHT SIDELITE PANEL JAMB STILES

SIGNED: 02/24/2021

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8989 NORTH LOOP EAST
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OUT–SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS GLAZED
ELEVATION

DRAWN:	DWG NO.	REV
V.L.	08–01555	B

SCALE	DATE	SHEET
NTS	05/31/12	2 OF 13

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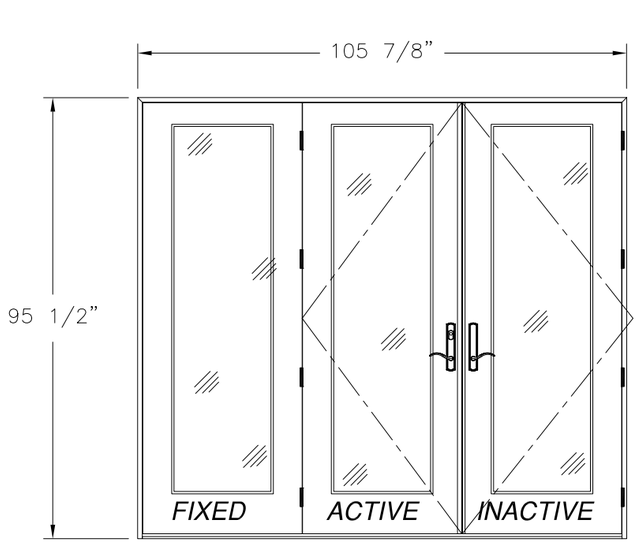
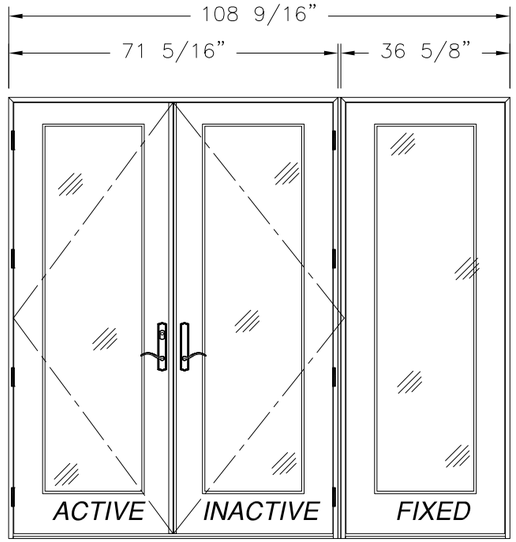
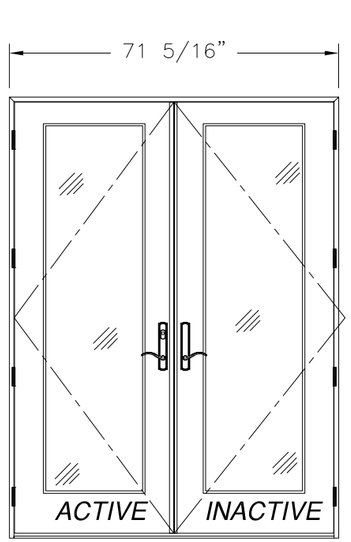


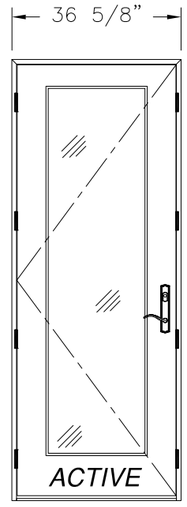
DOUBLE W/SIDELITE
EXTERIOR VIEW



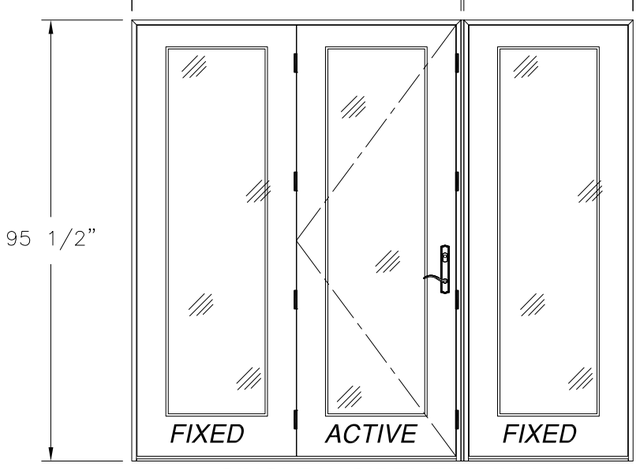
DOUBLE W/SIDELITE (MULL)
EXTERIOR VIEW



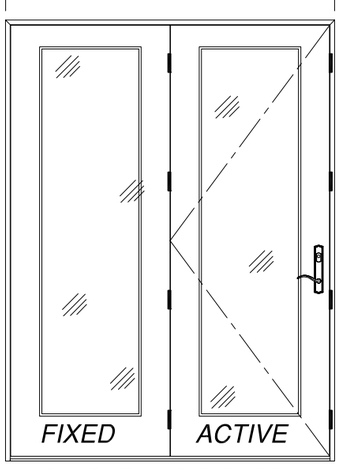
DOUBLE
EXTERIOR VIEW



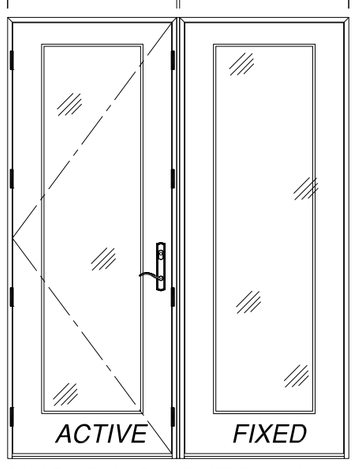
SINGLE
EXTERIOR VIEW



SINGLE W/SIDELITE (MULL)
EXTERIOR VIEW



SINGLE W/SIDELITE
EXTERIOR VIEW



SINGLE W/SIDELITE (MULL)
EXTERIOR VIEW

NOTE:
ALL APPROVED CONFIGURATIONS ARE SHOWN AS LEFT HAND ACTIVE, RIGHT HAND ACTIVE IS ALSO APPROVED.

SIGNED: 02/24/2021

NAN YA PLASTICS CORP. USA
8989 NORTH LOOP EAST
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OUT-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS GLAZED
APPROVED CONFIGURATIONS

DRAWN:	DWG NO.	REV
V.L.	08-01555	B
SCALE NTS	DATE 05/31/12	SHEET 3 OF 13

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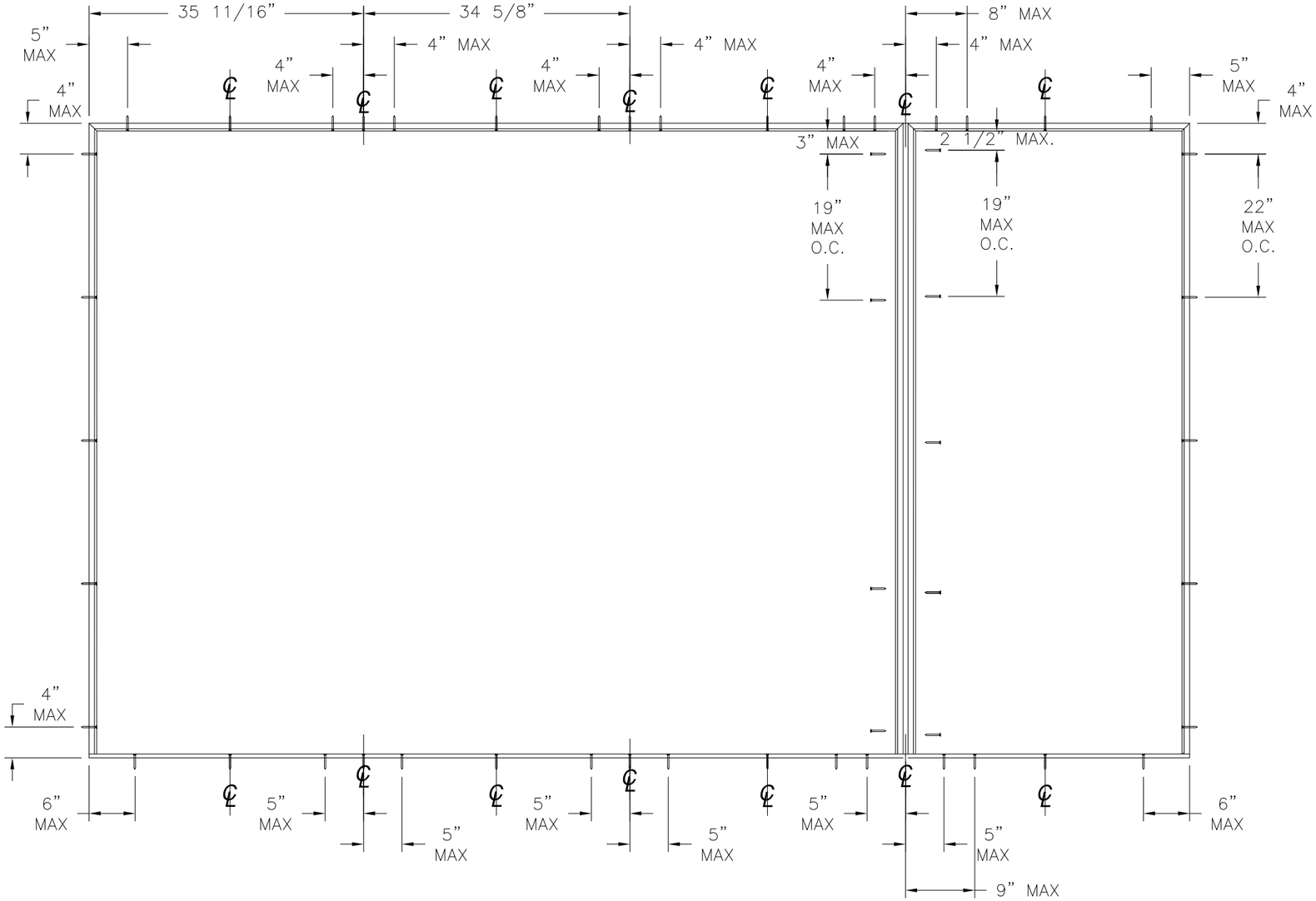

ANCHORING LAYOUT

SIGNED: 02/24/2021

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HOUSTON, TX 77029

OUT-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS GLAZED
ANCHORING LAYOUT

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SCALE NTS	DATE 05/31/12	SHEET 4 OF 13

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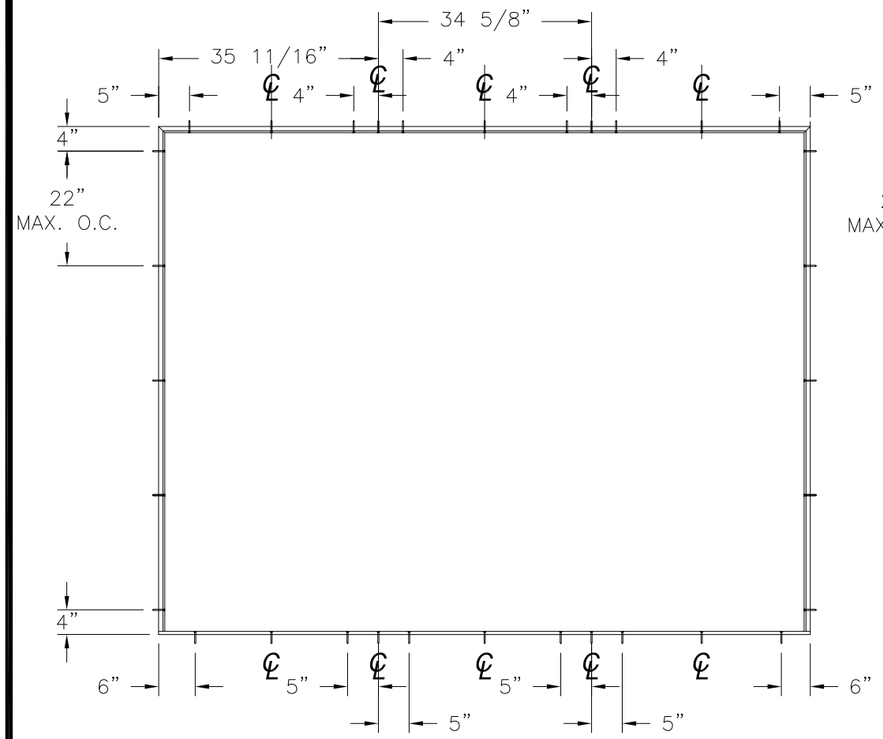
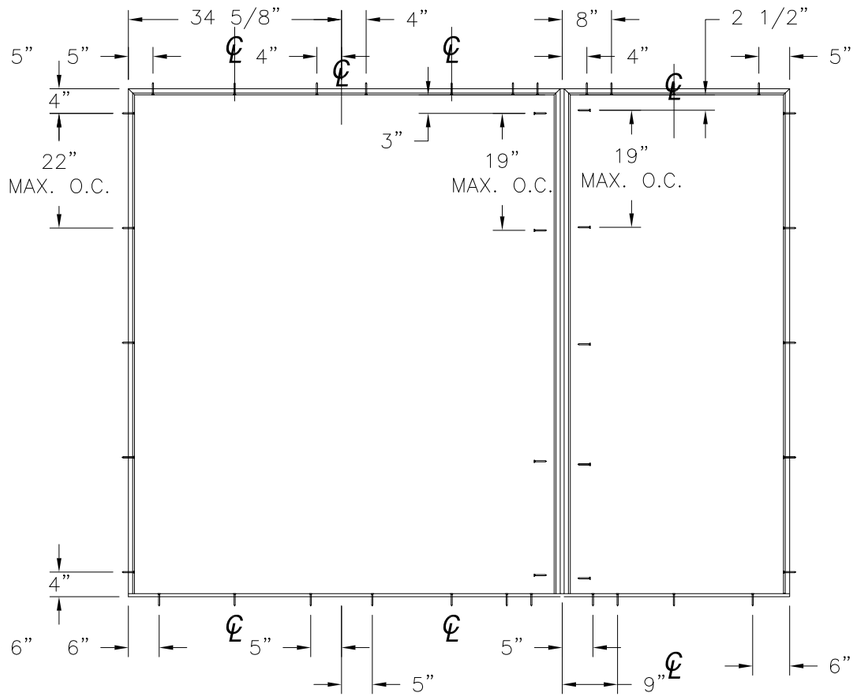
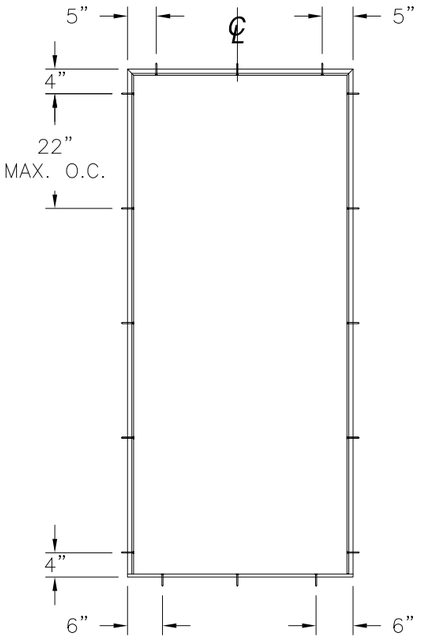


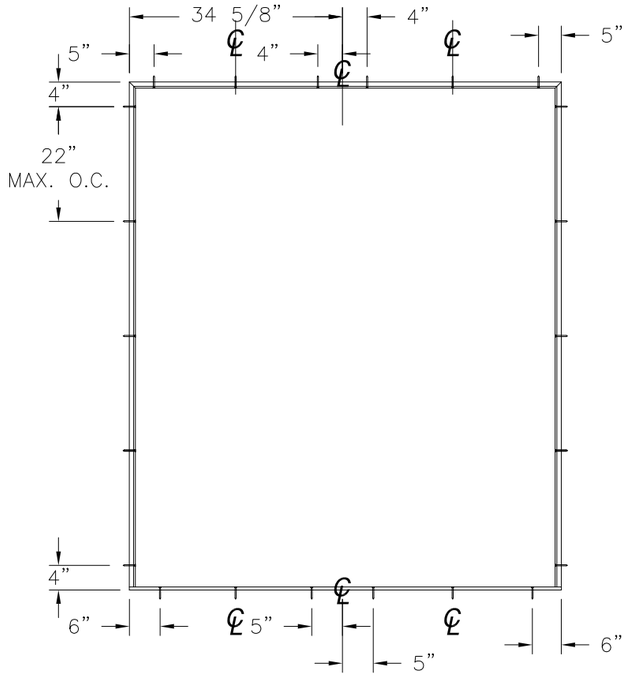
ANCHORING LAYOUT FOR OXO, XXO AND OXX



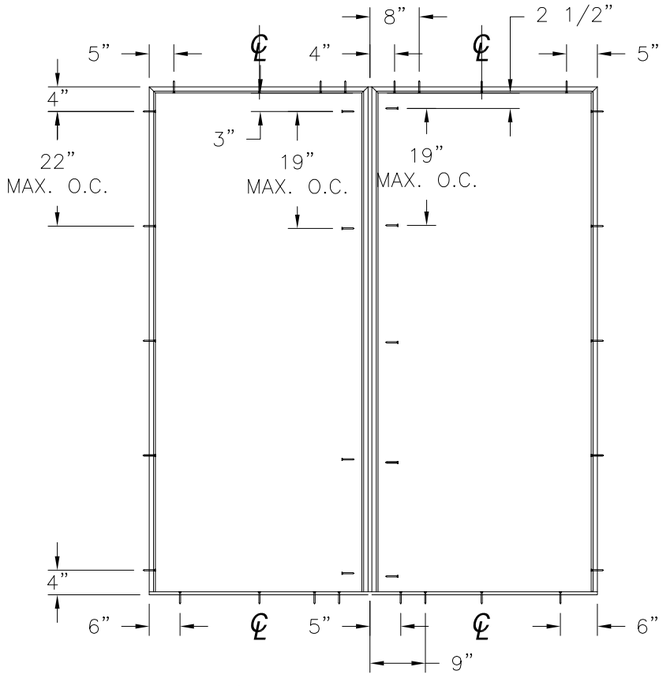
ANCHORING LAYOUT FOR OXO, XXO AND OXX (MULL)



ANCHORING LAYOUT FOR X



ANCHORING LAYOUT FOR XX, OX AND XO



ANCHORING LAYOUT FOR OX AND XO (MULL)

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8989 NORTH LOOP EAST
HOUSTON, TX 77029

OUT-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS GLAZED
ANCHORING LAYOUTS

DRAWN:	DWG NO.	REV
V.L.	08-01555	B
SCALE NTS	DATE 05/31/12	SHEET 5 OF 13

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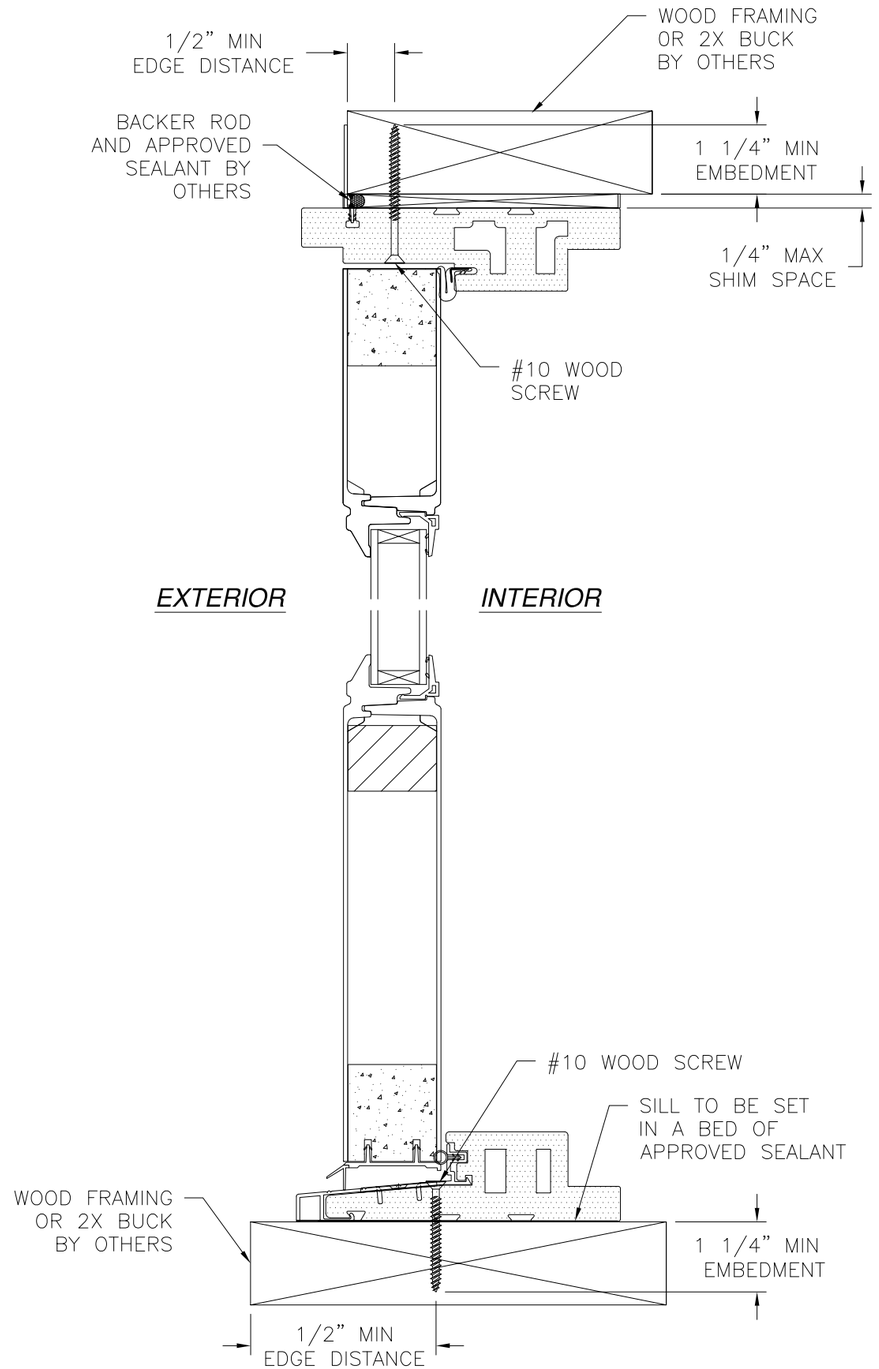
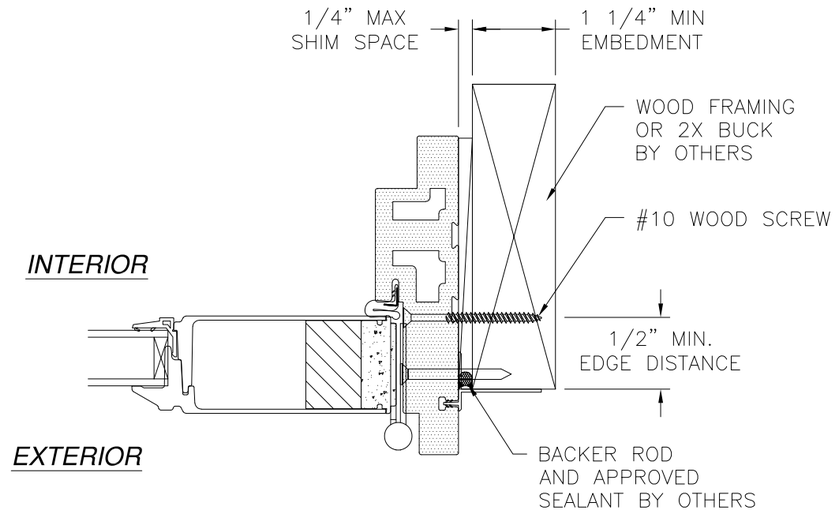


DOOR VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION



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

NAN YA PLASTICS CORP. USA
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HOUSTON, TX 77029

OUT-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS GLAZED
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
V.L.	08-01555	B

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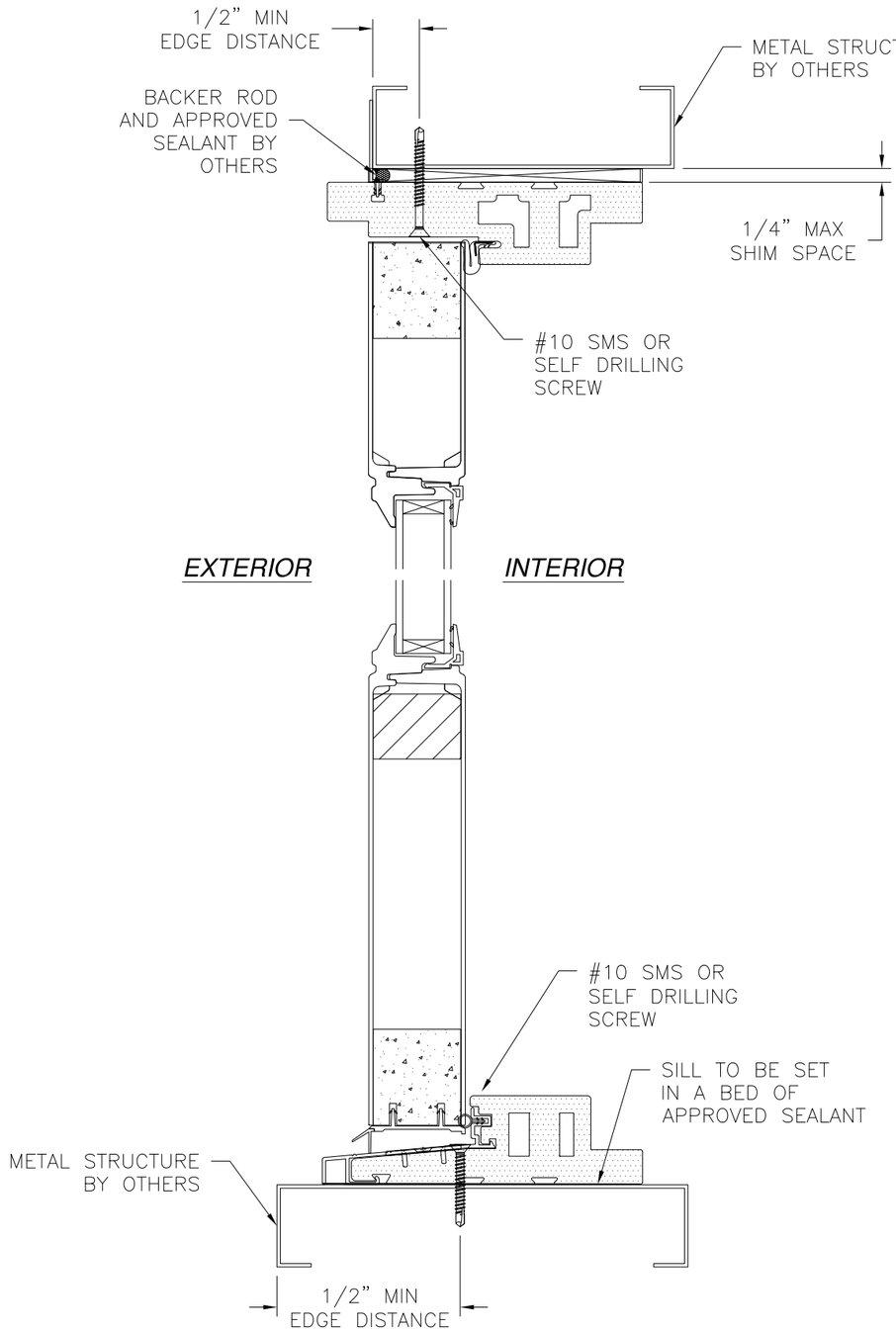
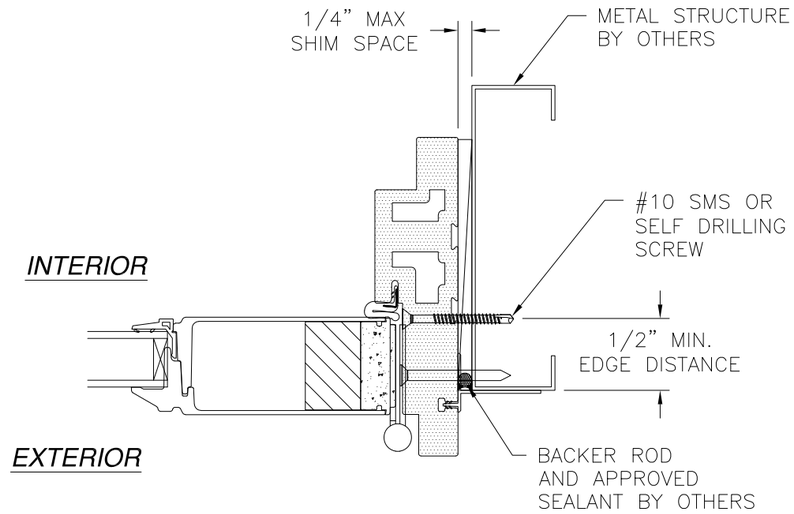


DOOR VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



DOOR HORIZONTAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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HOUSTON, TX 77029

OUT-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS GLAZED
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
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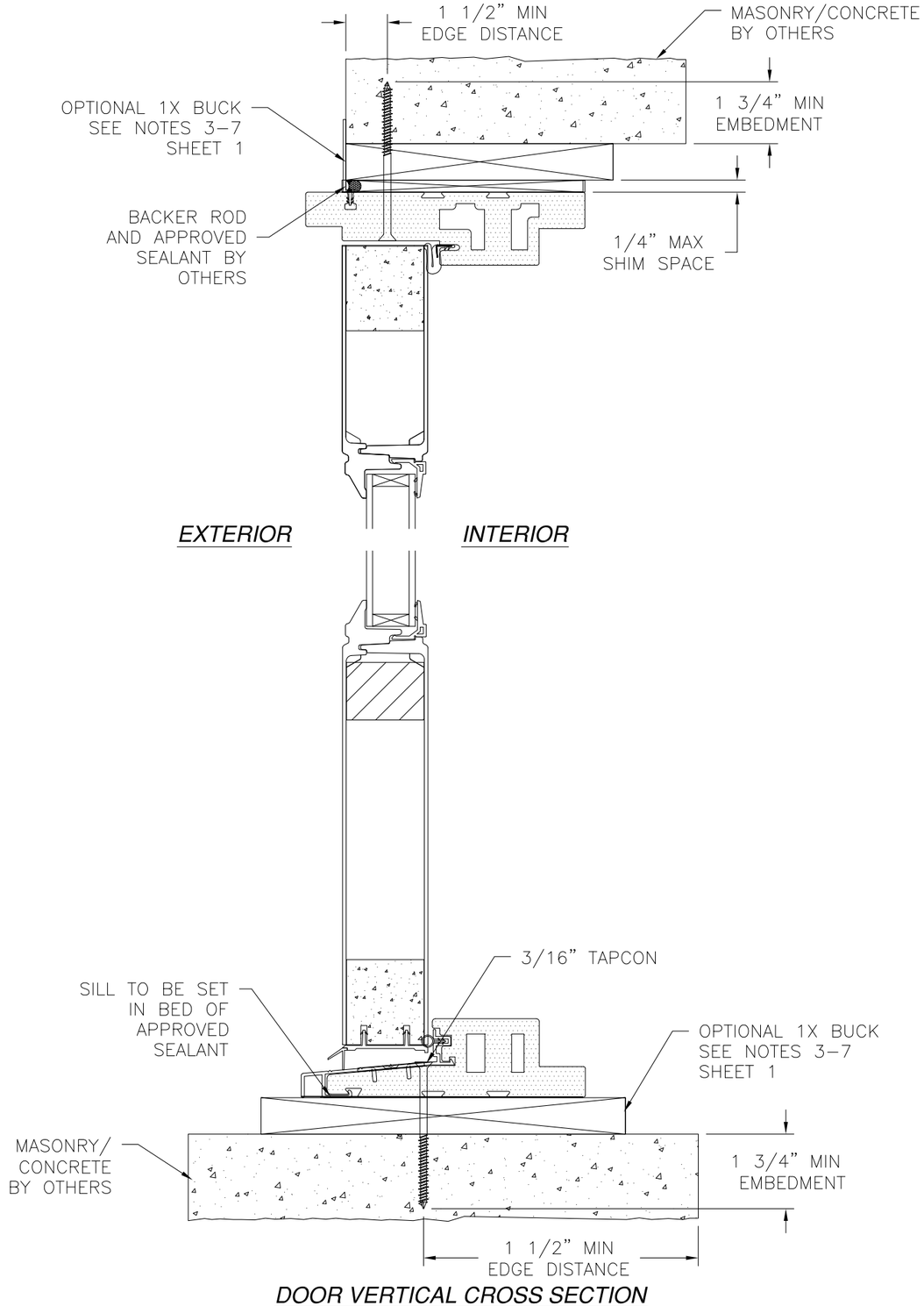
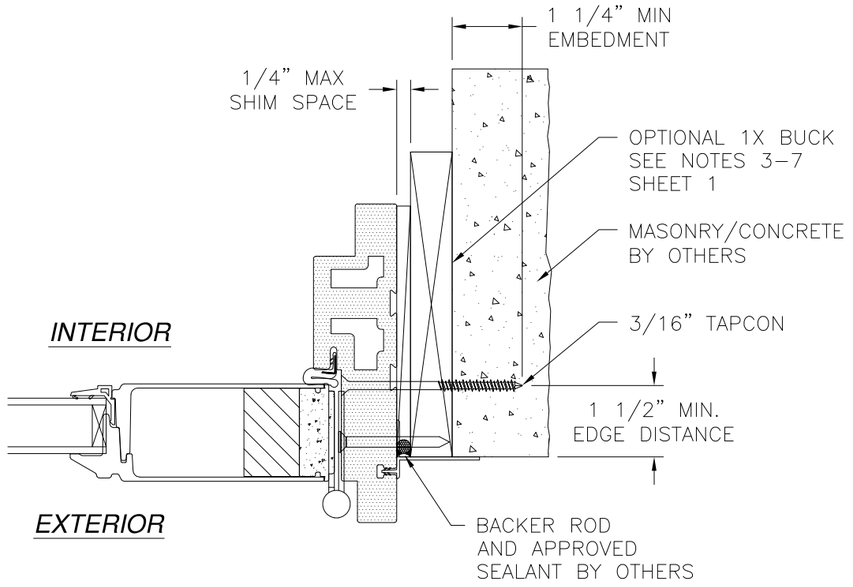


DOOR VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



DOOR HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

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SIGNED: 02/24/2021

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HOUSTON, TX 77029

OUT–SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS GLAZED
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
V.L.	08–01555	B

SCALE	DATE	SHEET
NTS	05/31/12	8 OF 13

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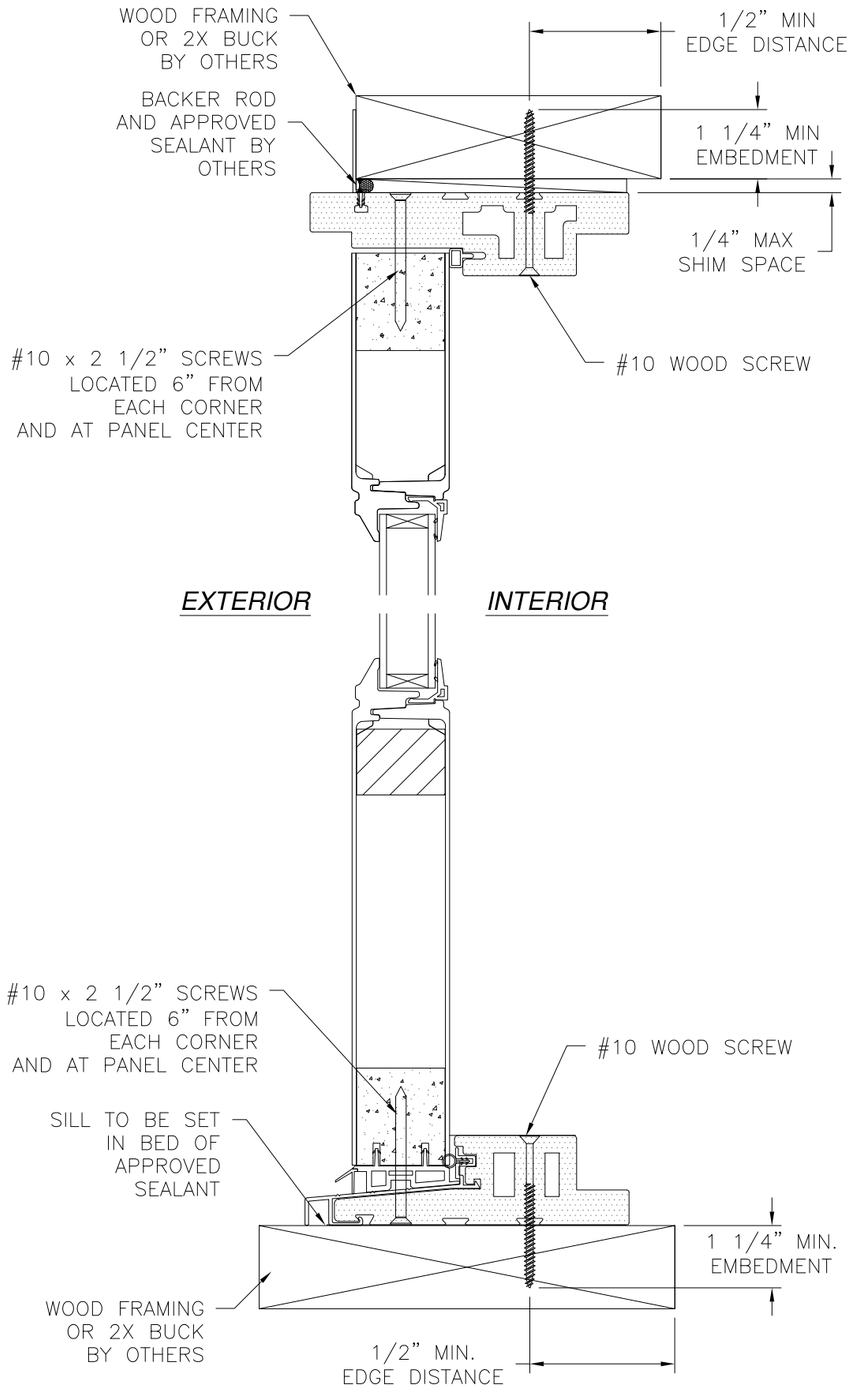
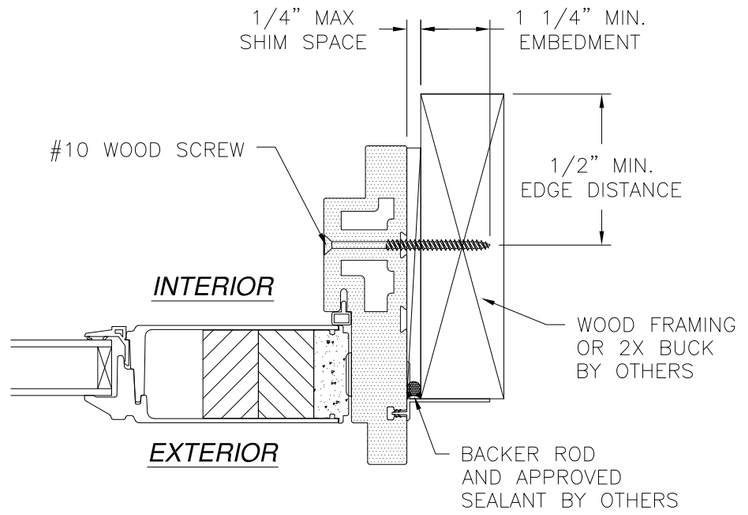


SIDELITE VERTICAL CROSS SECTION

2X BUCK/WOOD FRAMING INSTALLATION



SIDELITE 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

NAN YA PLASTICS CORP. USA
8989 NORTH LOOP EAST
HOUSTON, TX 77029

OUT-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS GLAZED
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
V.L.	08-01555	B

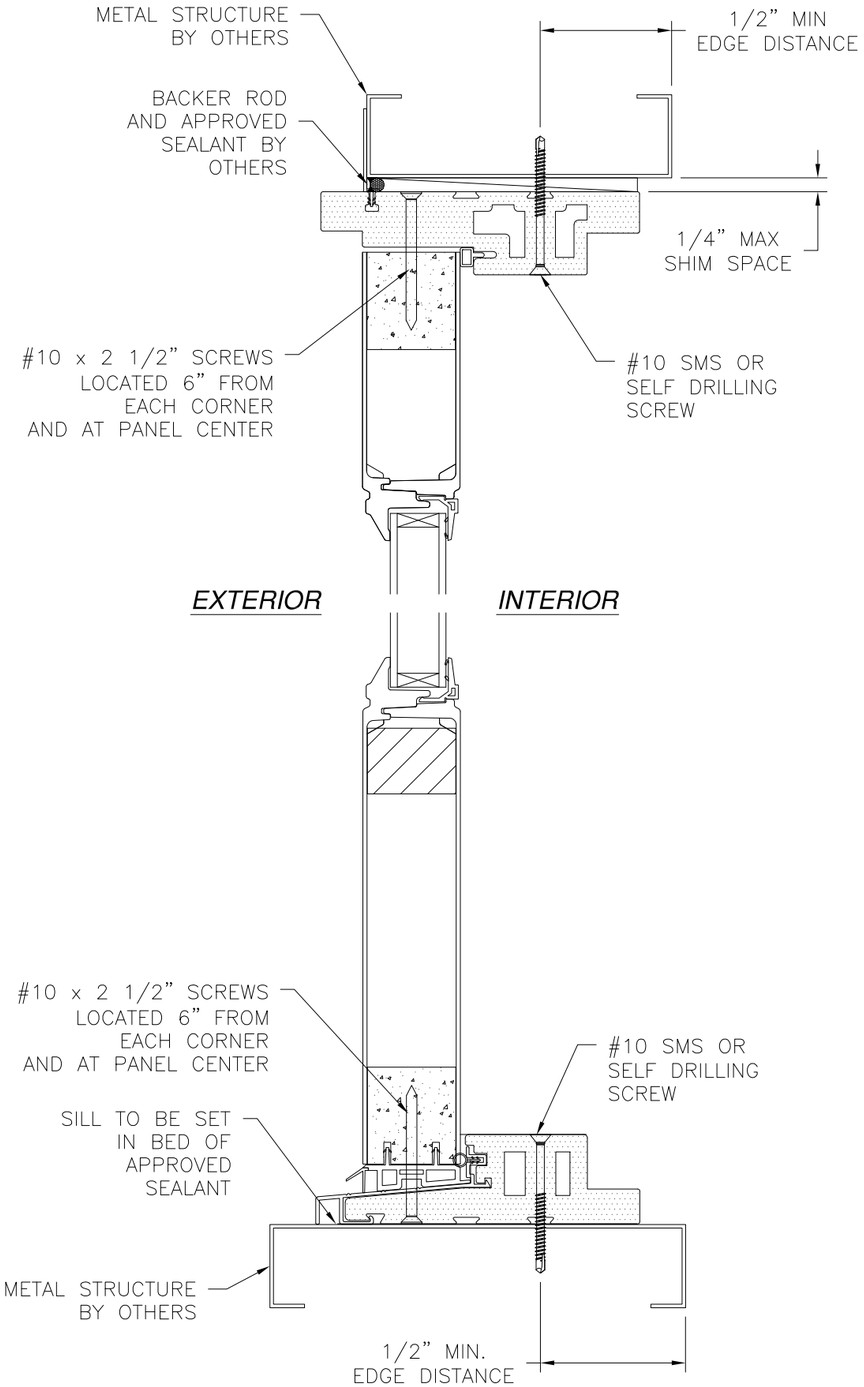
SCALE	DATE	SHEET
NTS	05/31/12	9 OF 13

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

STATE OF TEXAS
LUIS R. LOMAS
101889
LICENSED
PROFESSIONAL ENGINEER

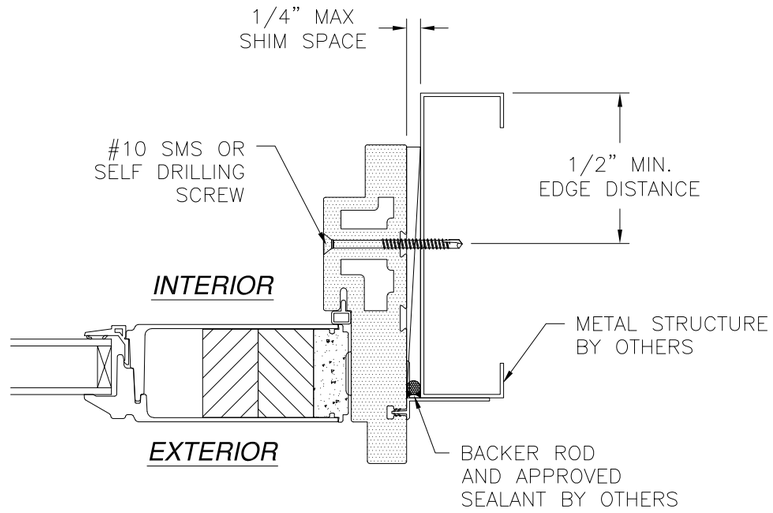
Luis R. Lomas P.E.
TX No.: 101889

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



SIDELITE VERTICAL CROSS SECTION

METAL STRUCTURE INSTALLATION



SIDELITE HORIZONTAL CROSS SECTION

METAL STRUCTURE INSTALLATION

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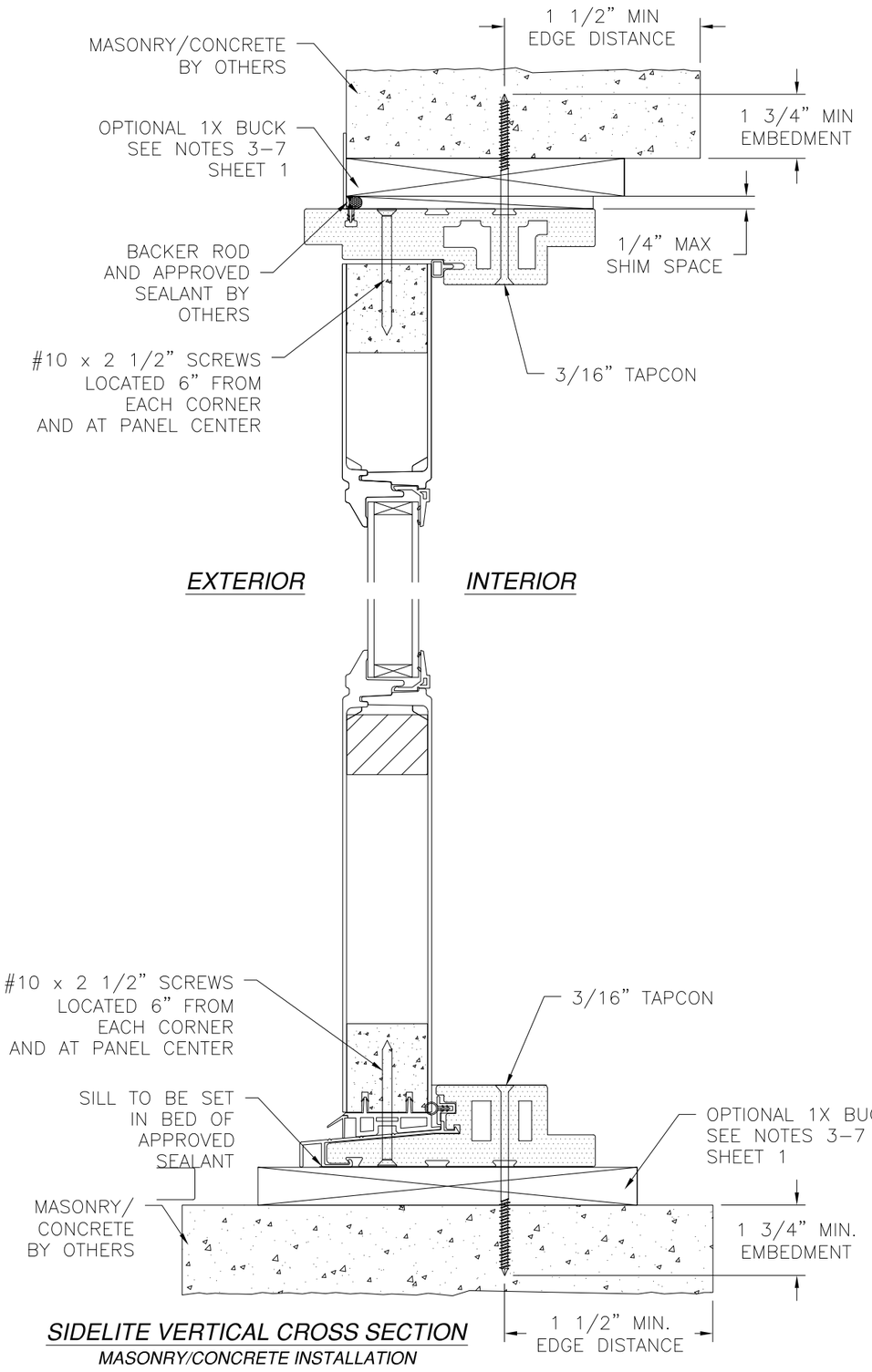
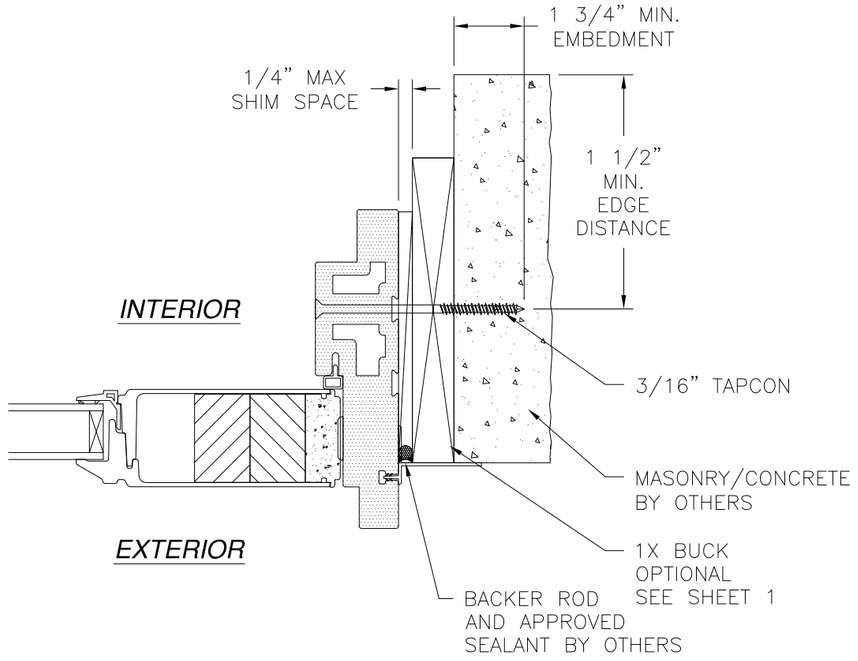


SIDELITE VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



SIDELITE HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

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INSTALLATION DETAILS

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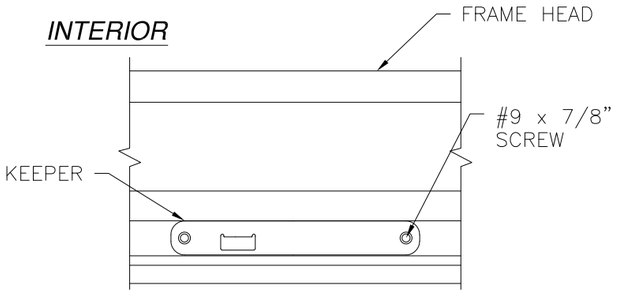
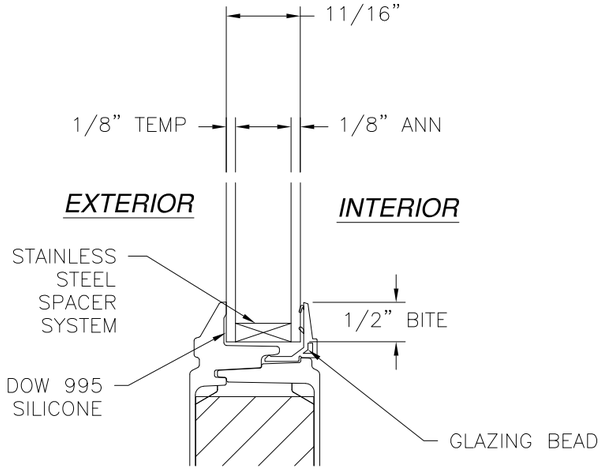
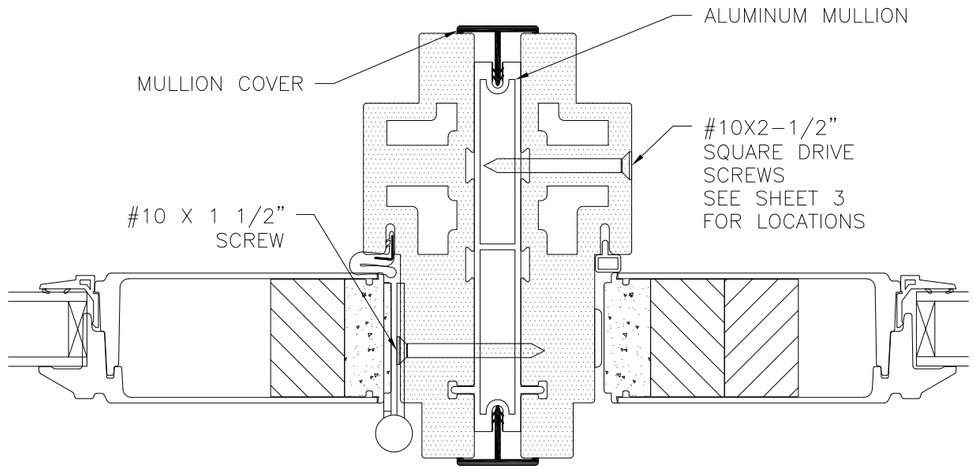


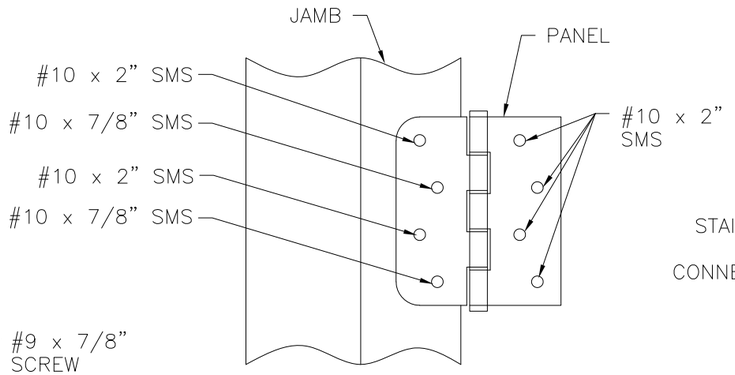
HEAD KEEPER DETAIL



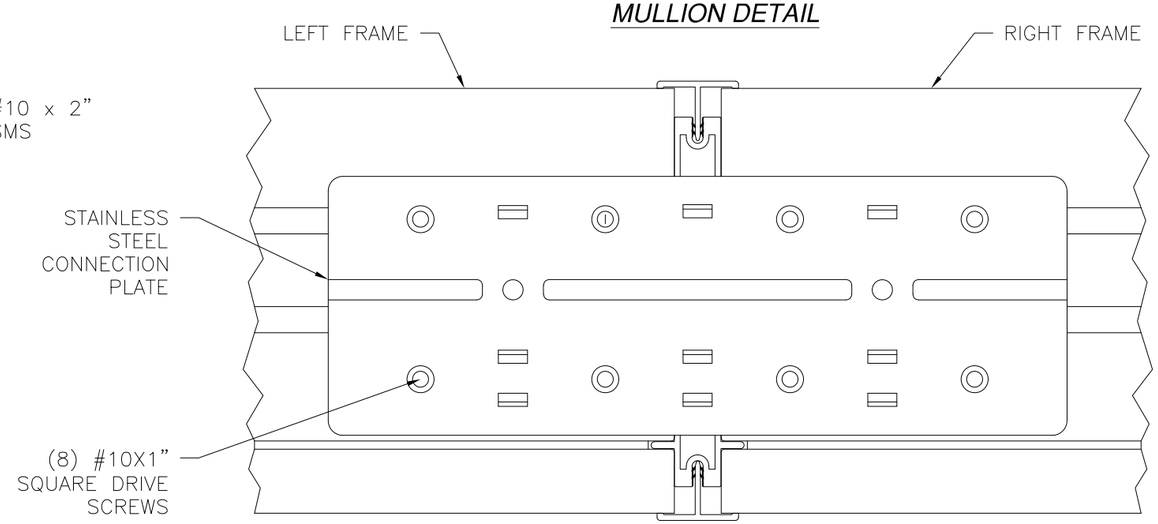
GLAZING DETAIL



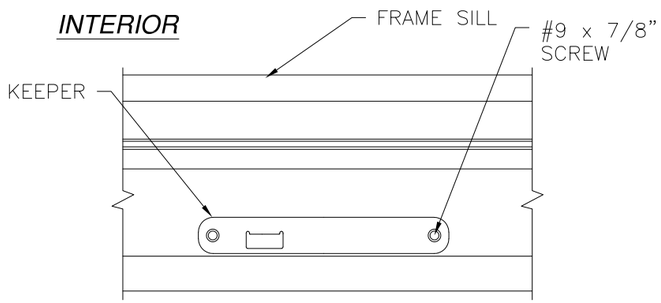
MULLION DETAIL



HINGE INSTALLATION DETAIL



FRAME CONNECTION DETAIL



SILL KEEPER DETAIL

SIGNED: 02/24/2021

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HOUSTON, TX 77029

OUT-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS GLAZED
INSTALLATION DETAILS

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SCALE NTS	DATE 05/31/12	SHEET 12 OF 13

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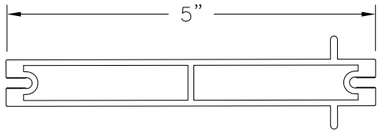
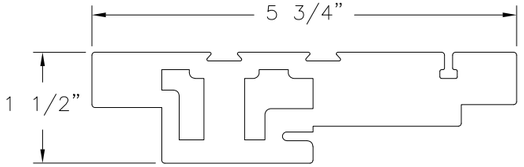
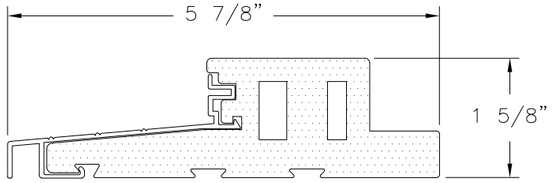


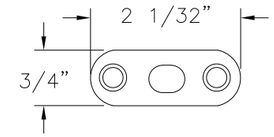
ALUMINUM MULLION
ALUMINUM



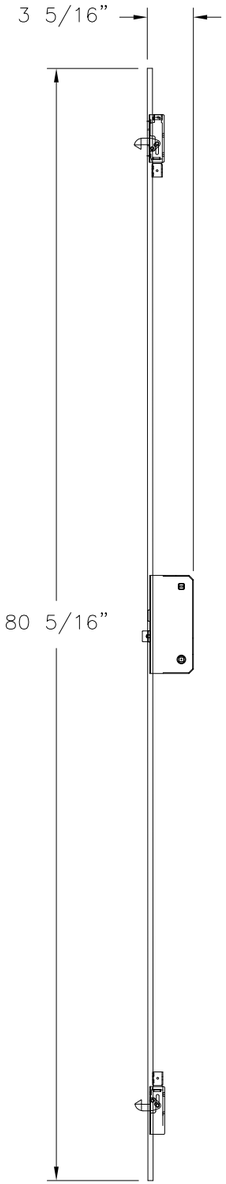
HEAD FRAME & JAMB
FOAM PVC CO-EX



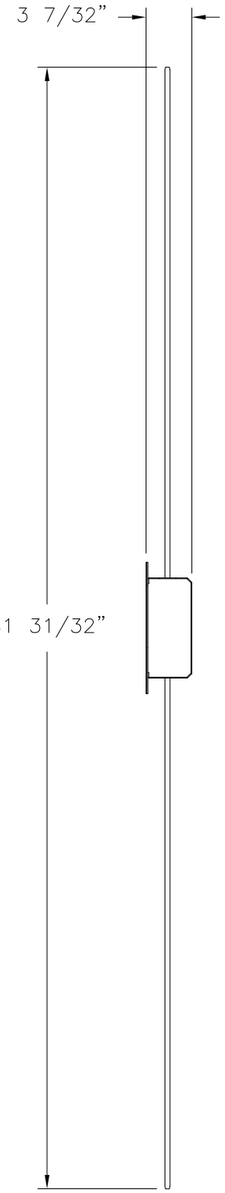
OUTSWING DOOR SILL DETAIL
FOAM PVC CO-EX & ALUMINUM



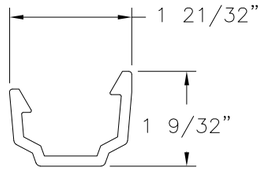
DRIVE BAR PLATE
STAINLESS STEEL



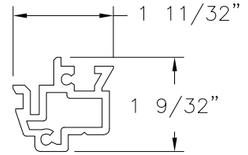
MULTI-POINT LOCKING SYSTEM
STAINLESS STEEL
BY JAM YUAN ENTERPRISES CO., LTD.



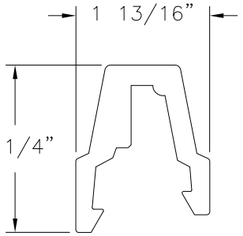
TOP/BOTTOM DRIVE BAR SYSTEM
STAINLESS STEEL
BY JAM YUAN ENTERPRISES CO., LTD.



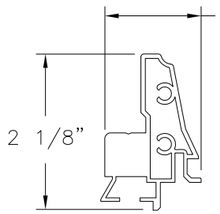
T-ASTRAGAL (A)
RIGID PVC



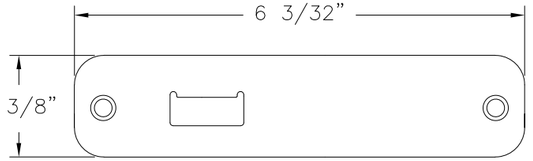
REINFORCEMENT (A)
ALUMINUM



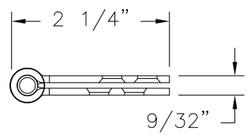
MULLION COVER (B)
FOAM PVC



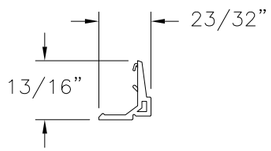
REINFORCEMENT (B)
ALUMINUM



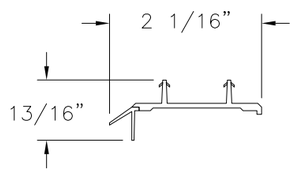
TOP/BOTTOM BAR KEEPER
STAINLESS STEEL (SS92H)



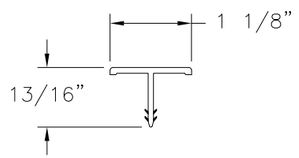
4" X 4" DOOR HINGE
STEEL



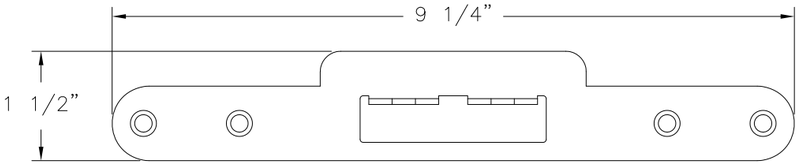
1" GLAZING BEAD
PVC



DOOR BOTTOM-B
PVC CO-EX



MULLION COVER
PVC CO-EX



SLAB MULTI-POINT LOCK KEEPER
STAINLESS STEEL (SS92G)

SIGNED: 02/24/2021

NAN YA PLASTICS CORP. USA
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HOUSTON, TX 77029

OUT-SWING ENTRANCE DOOR W/SIDELITES
FIBERGLASS GLAZED
COMPONENTS

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