

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD GLAZING DETAILS	06/04/2025	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.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" FENESTRATION 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. FENESTRATION 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: CELLULAR PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 3 FOR DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED 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 1/2" 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 .048" THICK MINIMUM
19. APPROVED CONFIGURATIONS: OXX, XXO, OX, XO, XX, X, O.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3	GLAZING DETAILS
4 - 9	INSTALLATION DETAILS

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

8' OUTSWING DOOR SLP (OXX)

IMPACT - HVHZ

NOTES

DRAWN:
V.L.

DWG NO.
08-02984

REV
A

SCALE NTS

DATE 12/14/16

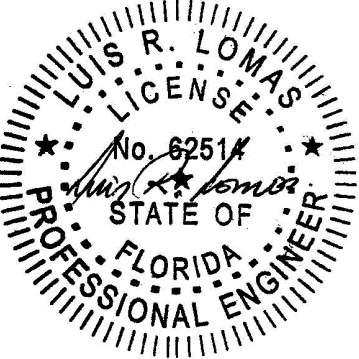
SHEET 1 OF 9

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

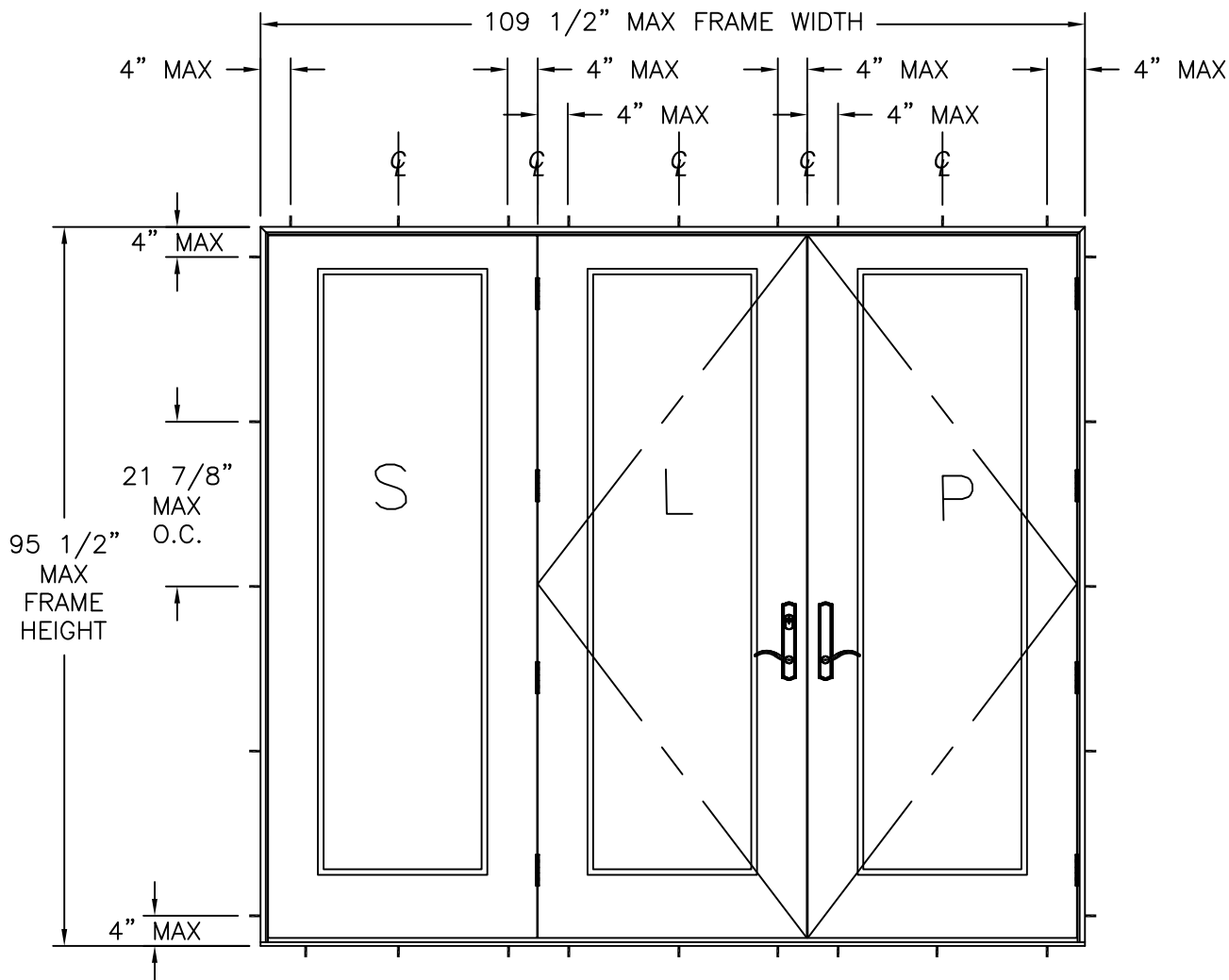
SIGNED: 06/05/2025



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

- NOTES:
- 1. MAXIMUM DOOR PANEL SIZE: 35 3/4" x 93 5/16"
 - 2. MAXIMUM DOOR D.L.O.: 21" x 79"

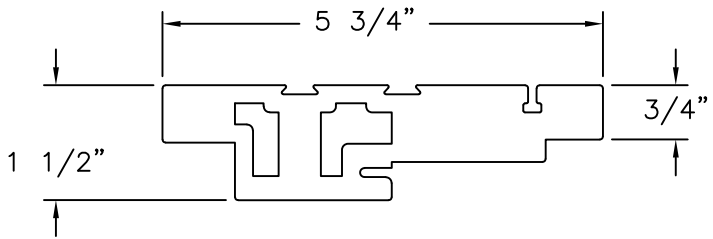
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD GLAZING DETAILS	06/04/2025	R.L.



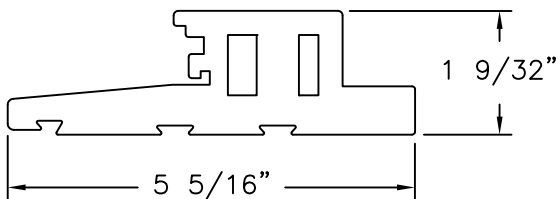
8' OUTSWING DOOR SLP (OXX)
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT

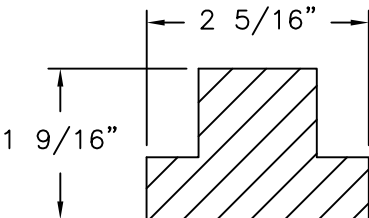
MISSILE LEVEL D, WIND ZONE 4 & HVHZ



HEAD FRAME & JAMB
FOAM PVC CO-EX



INSWING SILL
FOAM PVC CO-EX

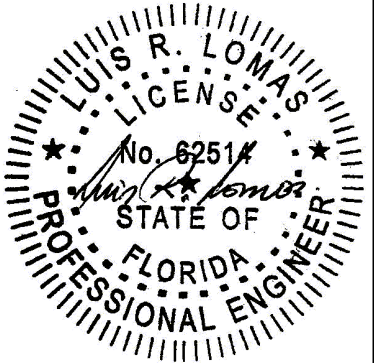


REINFORCEMENT
WHITE PINE

HARDWARE SCHEDULE	
A.	(4) 4X4 STAINLESS STEEL BUTT HINGES PER EACH HINGE STILE OF OPERABLE & FIXED PANEL
B.	(1) STAINLESS STEEL MULTI-POINT LOCK KEEPER
C.	(2) STAINLESS STEEL HOOK KEEPERS
D.	ASTRAGAL REINFORCEMENT, WHITE PINE
E.	STEEL FLAT BAR REINFORCEMENT ON EACH DOOR PANEL LOCK AND HINGE STILES
F.	"T" ASTRAGAL WITH ALUMINUM REINFORCEMENT

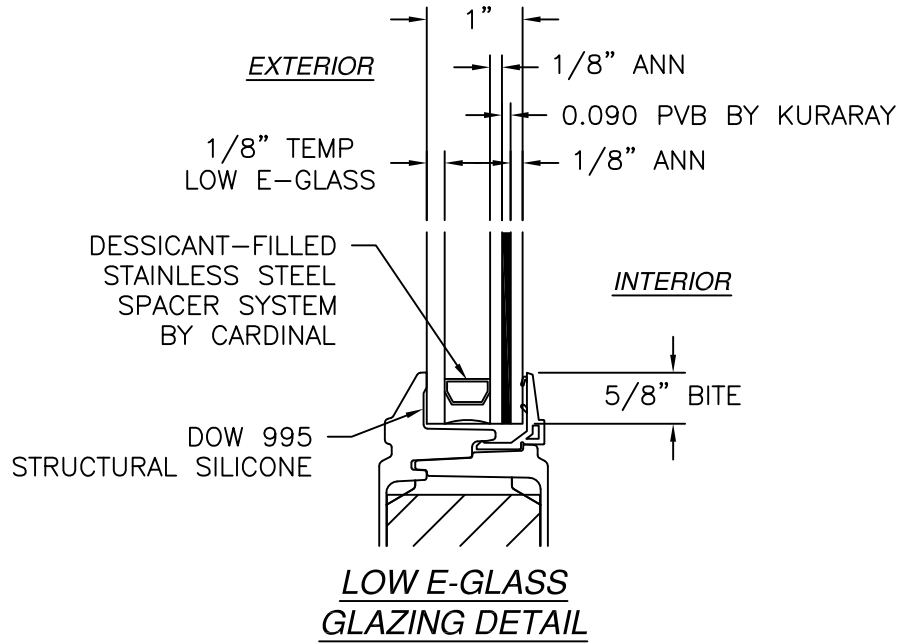
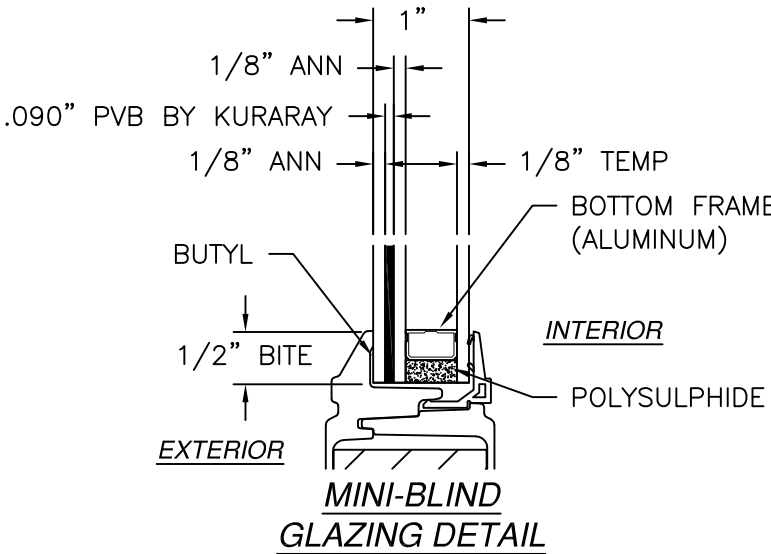
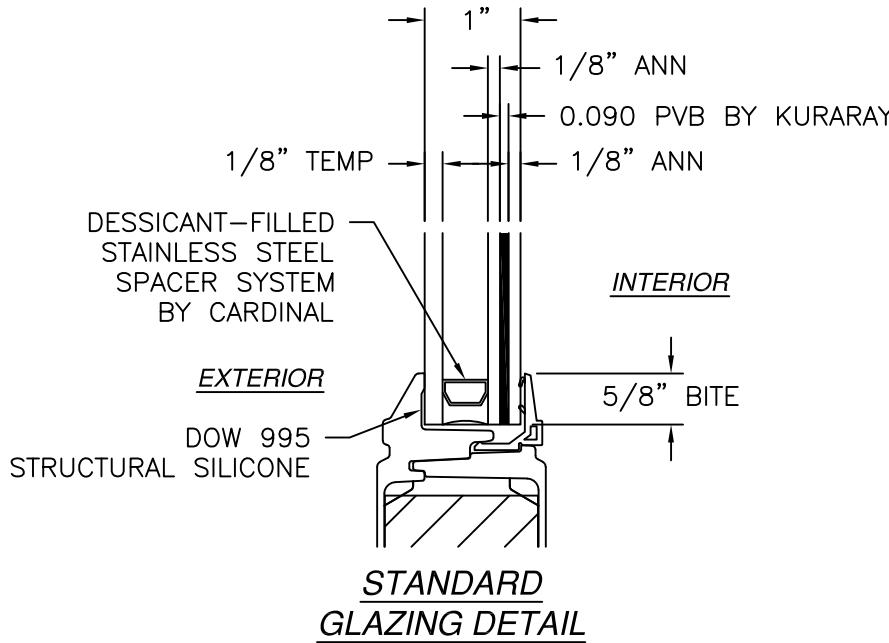
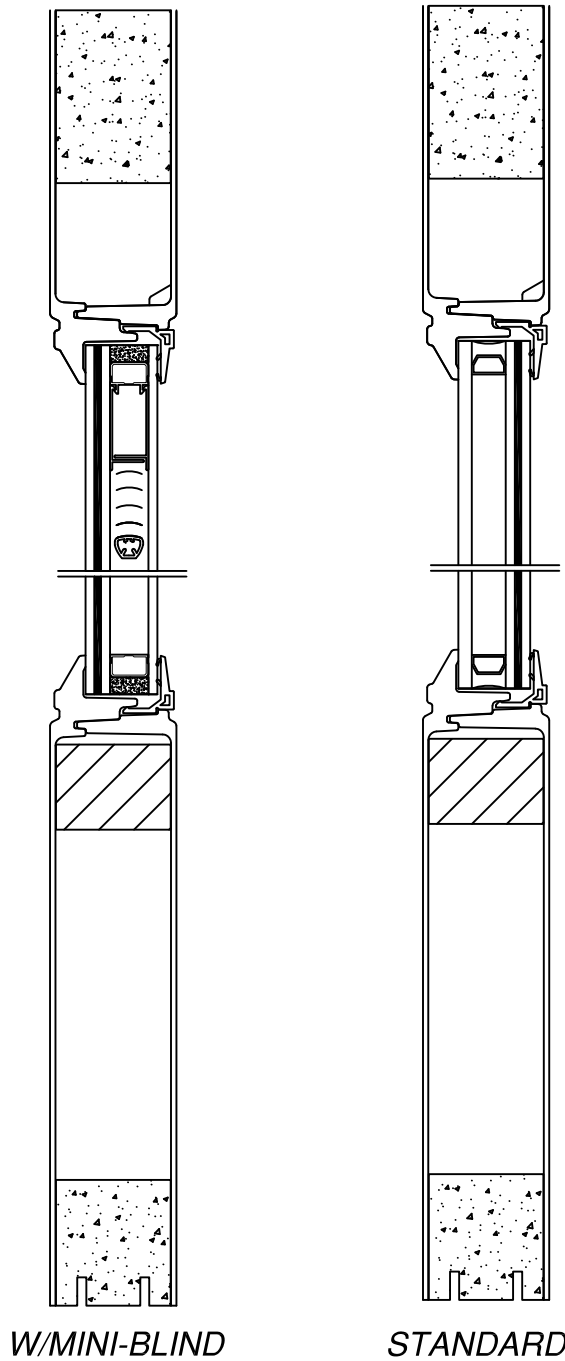
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
8' OUTSWING DOOR SLP (OXX) IMPACT – HVHZ ELEVATION		
DRAWN: V.L.	DWG NO. 08-02984	REV A
SCALE NTS	DATE 12/14/16	SHEET 2 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 06/05/2025



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

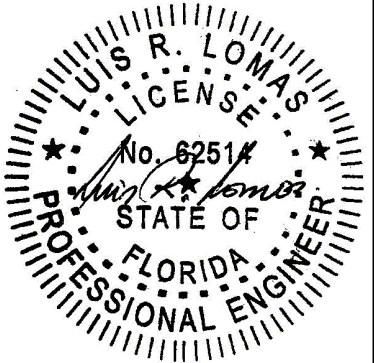
APPROVED PANEL CONFIGURATIONS



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD GLAZING DETAILS	06/04/2025	R.L.

SIGNED: 06/05/2025

NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
8' OUTSWING DOOR SLP (OXX) IMPACT - HVHZ GLAZING DETAILS		
DRAWN: V.L.	DWG NO. 08-02984	REV A
SCALE NTS	DATE 12/14/16	SHEET 3 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

1/2" MIN.
EDGE DISTANCE

1 1/4" MIN.
EMBEDMENT

WOOD FRAMING
OR 2X & BUCK
BY OTHERS

BACKER ROD
& APPROVED
SEALANT

1/4" MAX.
SHIM SPACE

#10 WOOD SCREW

EXTERIOR

INTERIOR

#10 WOOD SCREW

BACKER ROD
& APPROVED
SEALANT

SILL TO BE SET
IN A BED OF
APPROVED SEALANT

1/4" MAX.
SHIM SPACE

1 1/4" MIN.
EMBEDMENT

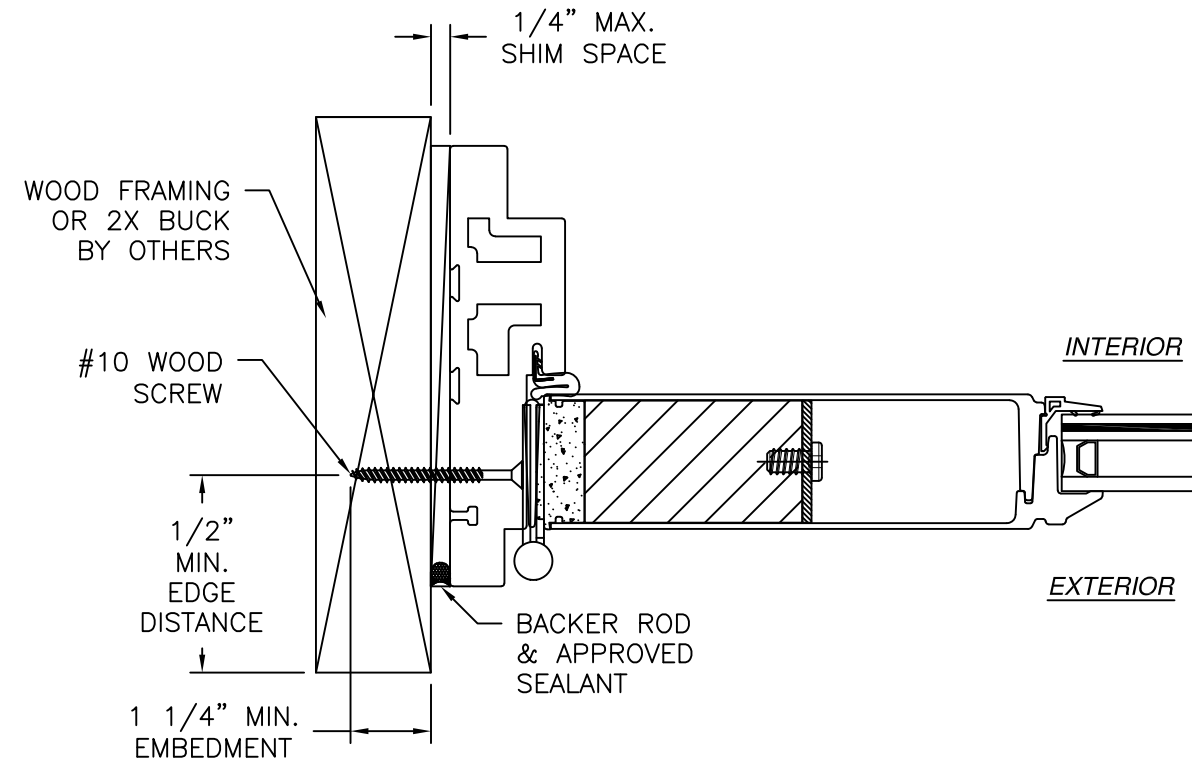
WOOD FRAMING
OR 2X BUCK
BY OTHERS

1/2" MIN
EDGE DISTANCE

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD GLAZING DETAILS	06/04/2025	R.L.



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK 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: 06/05/2025

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

8' OUTSWING DOOR SLP (OXX)
IMPACT - HVHZ
DOOR INSTALLATION DETAILS

DRAWN:

V.L.

DWG NO.

08-02984

REV

A

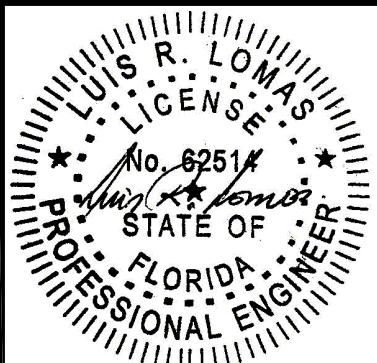
SCALE NTS

DATE 12/14/16

SHEET 4 OF 9

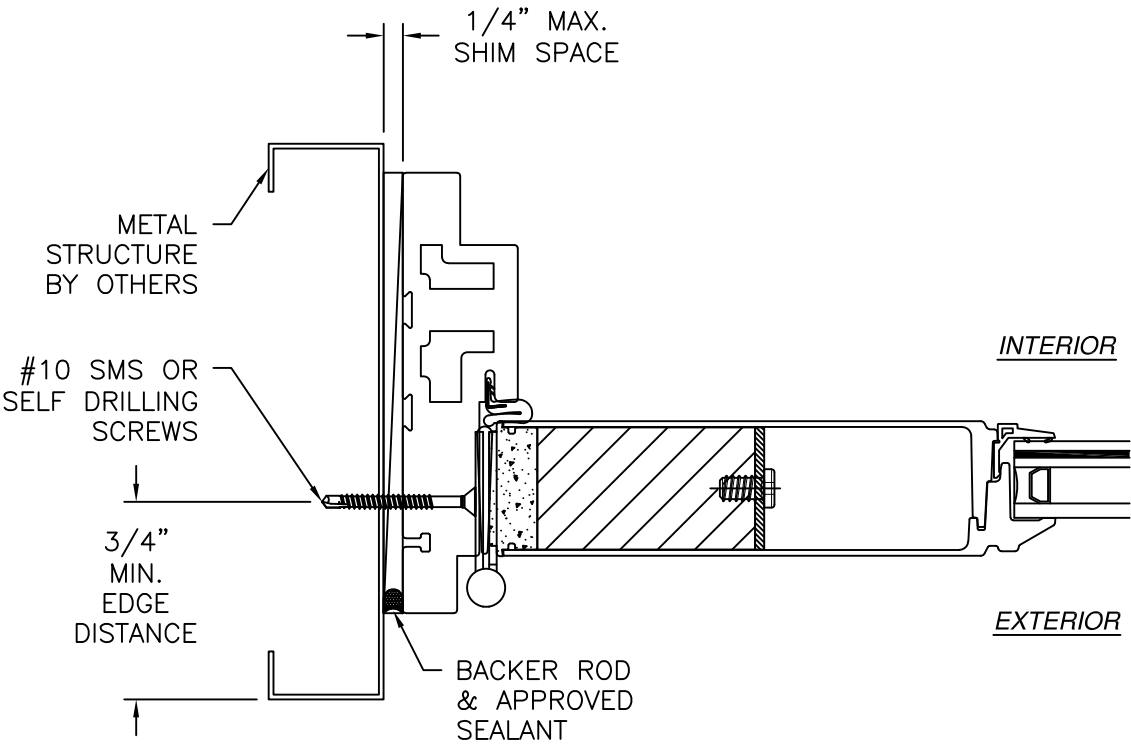
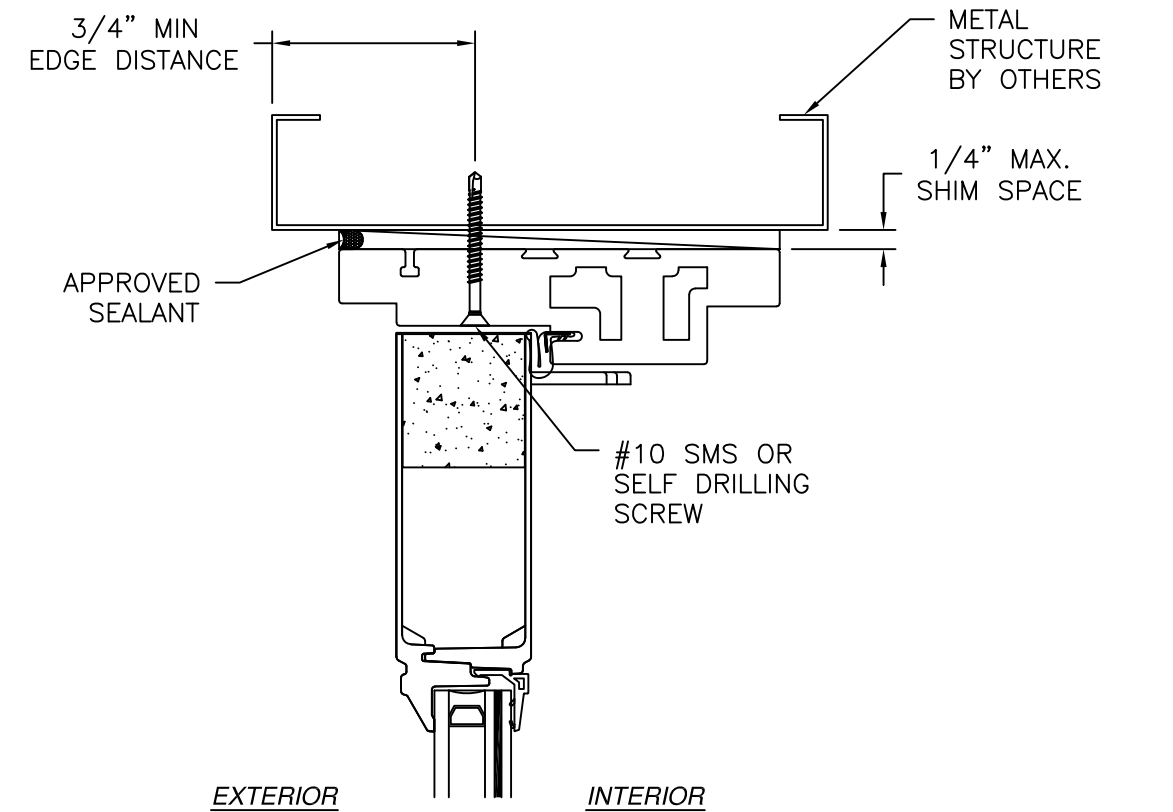
L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com



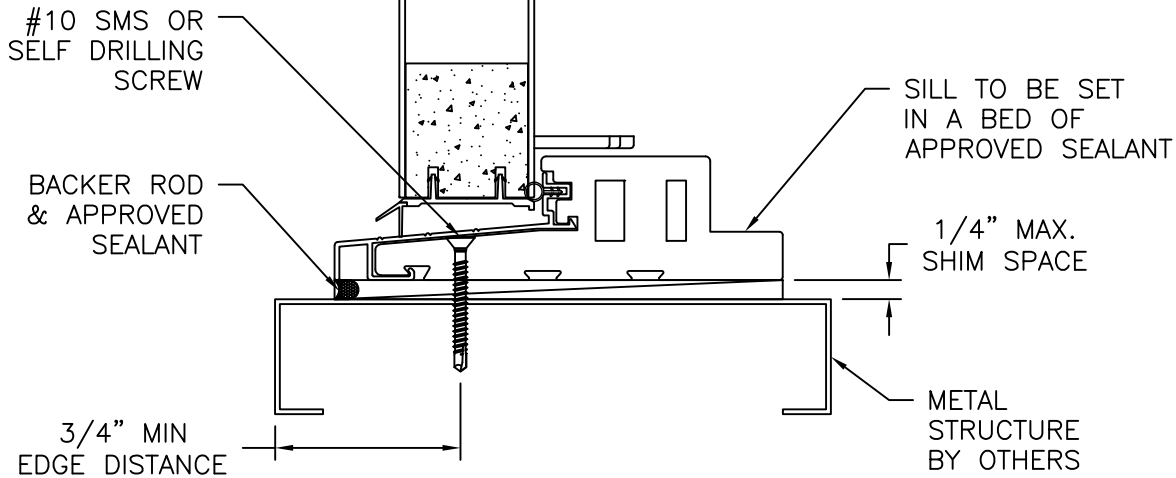
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD GLAZING DETAILS	06/04/2025	R.L.



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST
HOUSTON, TX 77029

8' OUTSWING DOOR SLP (OXX)

IMPACT – HVHZ

DOOR INSTALLATION DETAILS

DRAWN: V.L.

DWG NO. 08-02984

REV A

SCALE NTS

DATE 12/14/16

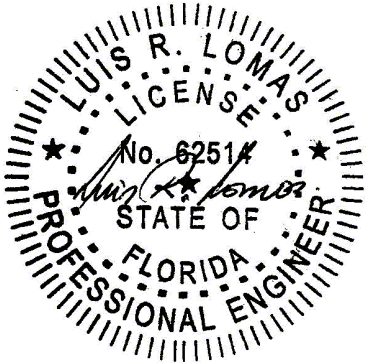
SHEET 5 OF 9

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

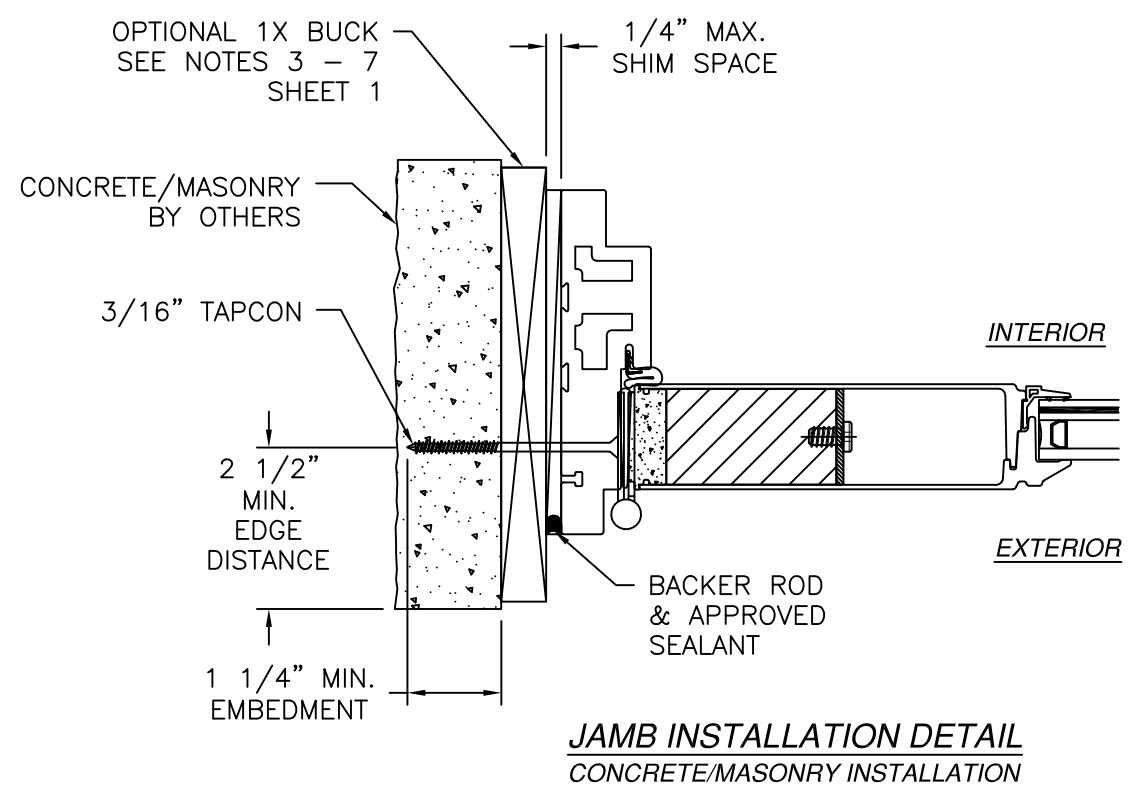
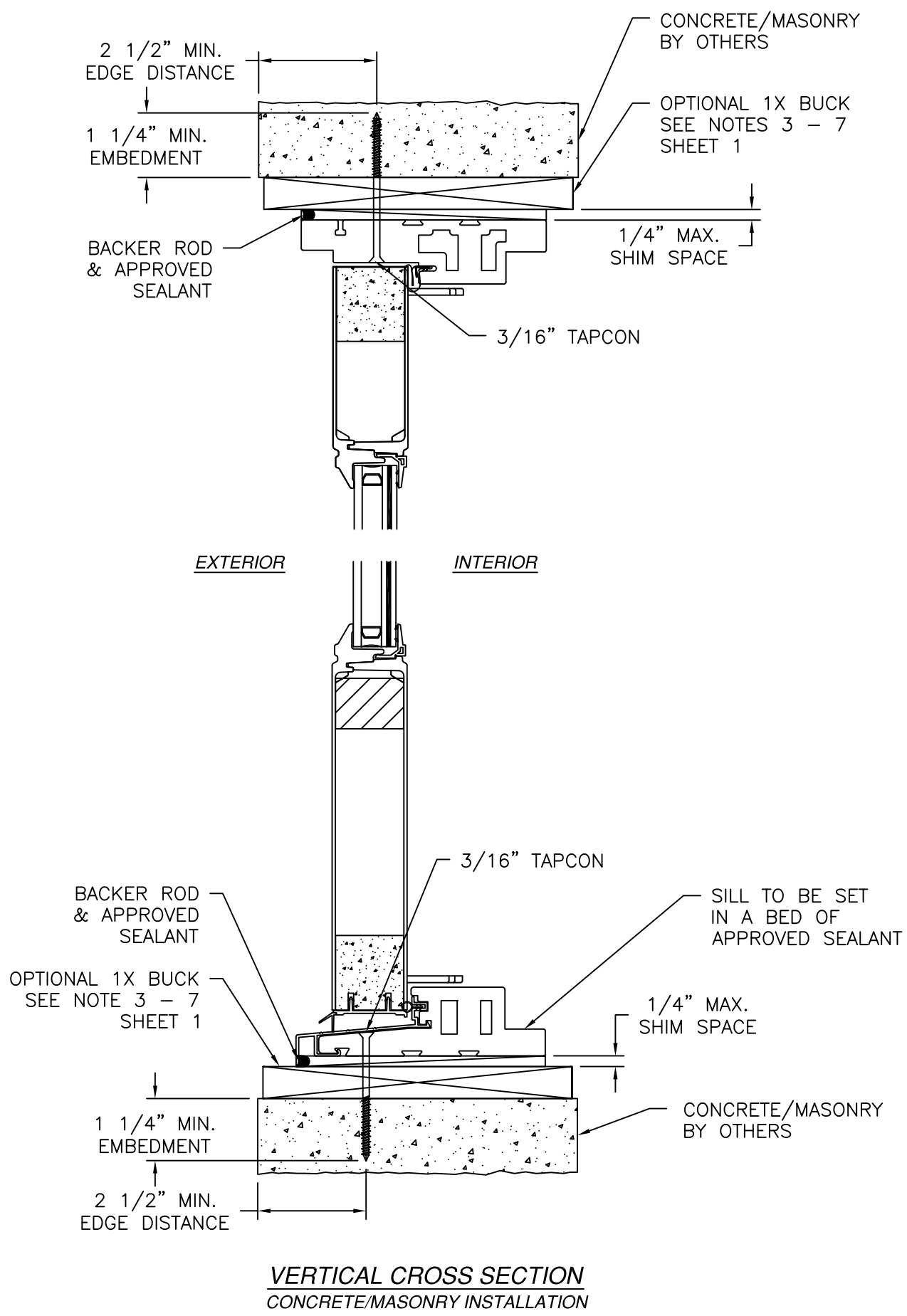
434-688-0609 rllomas@lrllomaspe.com

SIGNED: 06/05/2025



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD GLAZING DETAILS	06/04/2025	R.L.



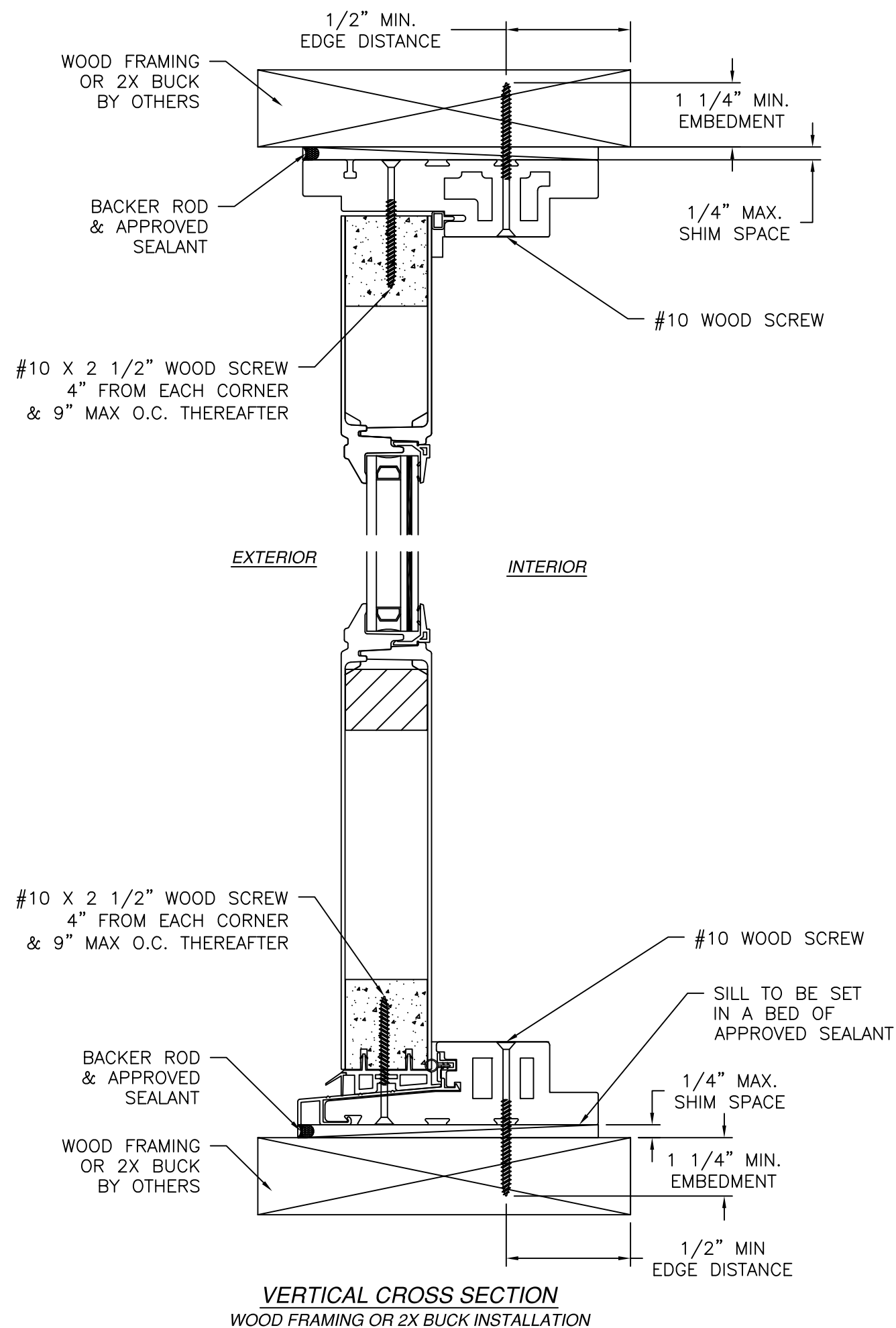
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 06/05/2025

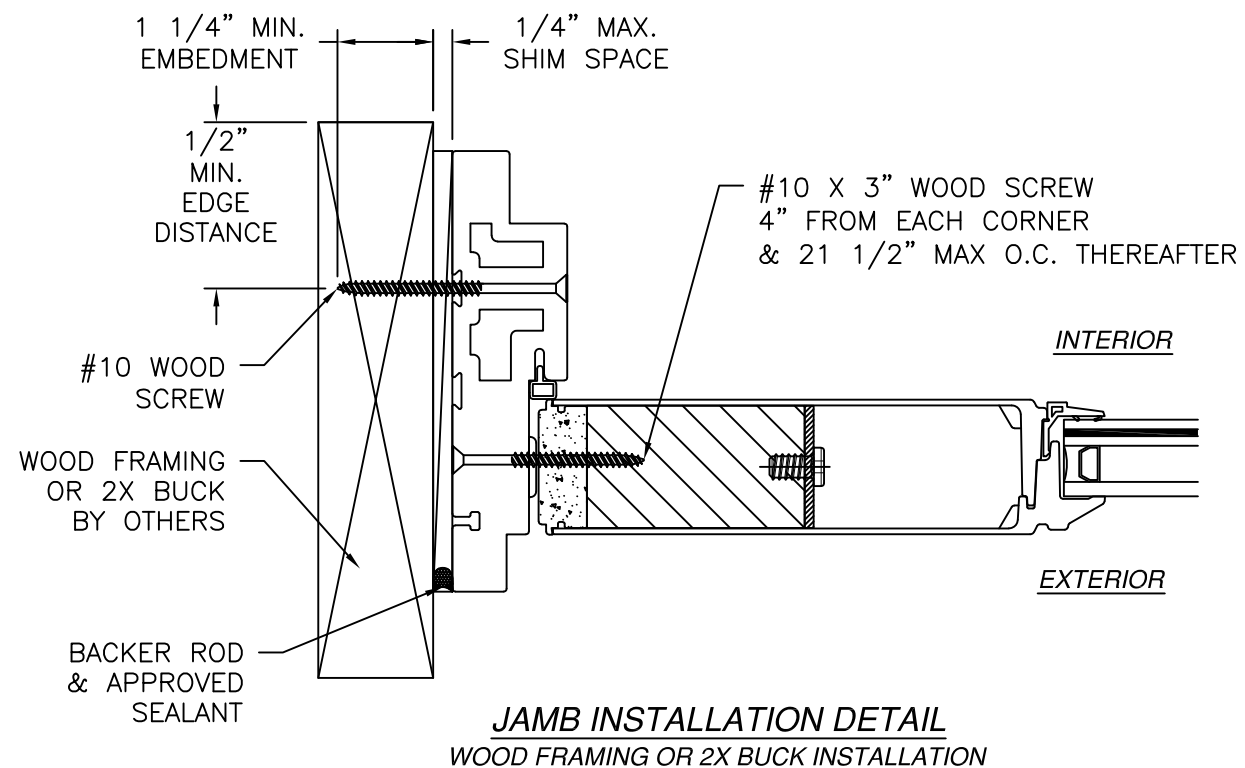
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
8' OUTSWING DOOR SLP (OXX) IMPACT - HVHZ DOOR INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-02984	REV A
SCALE NTS	DATE 12/14/16	SHEET 6 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD GLAZING DETAILS	06/04/2025	R.L.

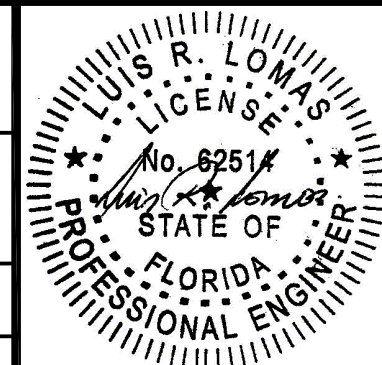


NOTES:

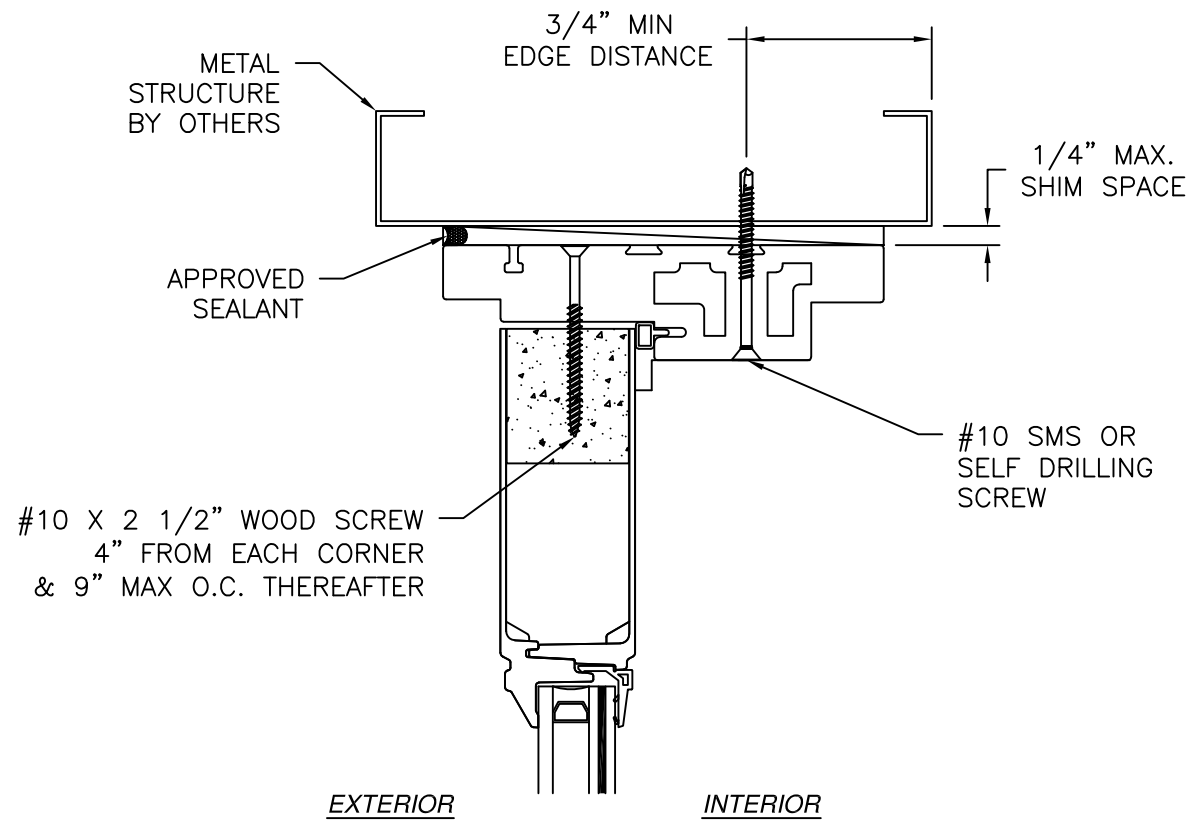
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 06/05/2025

NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
8' OUTSWING DOOR SLP (OXX) IMPACT - HVHZ SIDELITE INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-02984	REV A
SCALE NTS	DATE 12/14/16	SHEET 7 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



EXTERIOR

INTERIOR

#10 X 2 1/2" WOOD SCREW
4" FROM EACH CORNER
& 9" MAX O.C. THEREAFTER

#10 SMS OR
SELF DRILLING
SCREW

SILL TO BE SET
IN A BED OF
APPROVED SEALANT

1/4" MAX.
SHIM SPACE

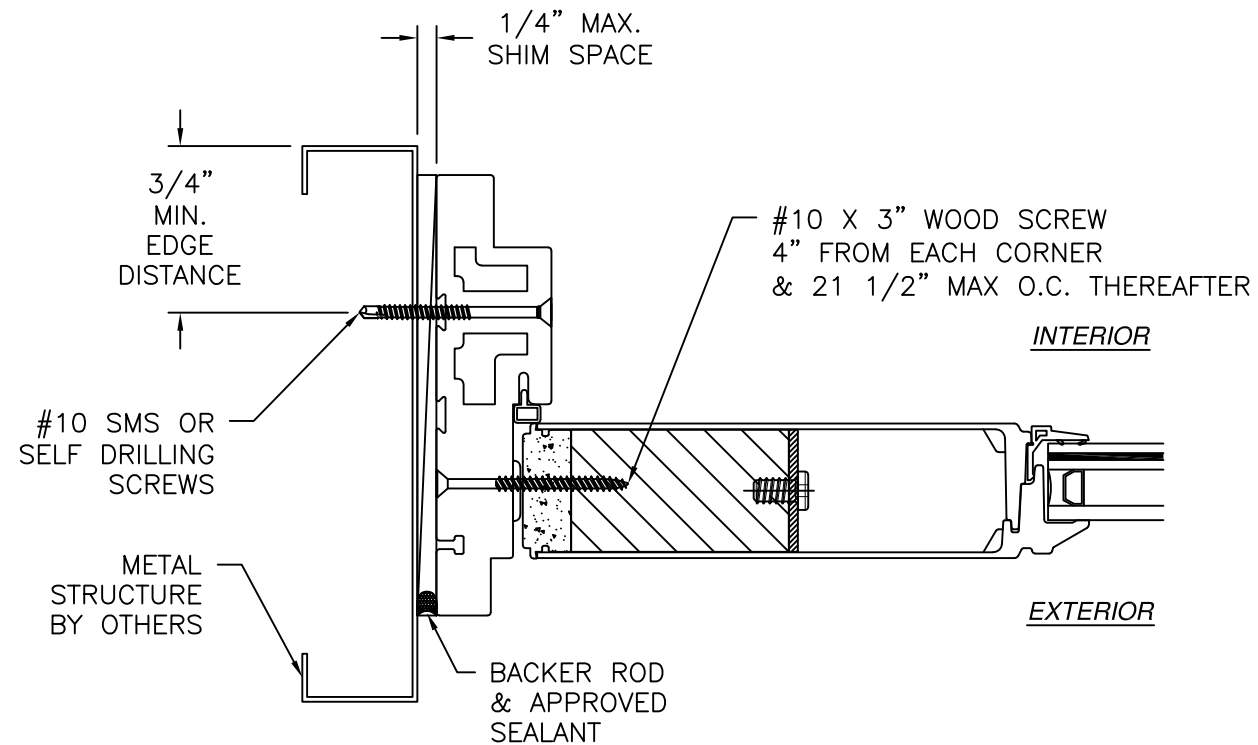
BACKER ROD
& APPROVED
SEALANT

METAL
STRUCTURE
BY OTHERS

3/4" MIN
EDGE DISTANCE

VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD GLAZING DETAILS	06/04/2025	R.L.



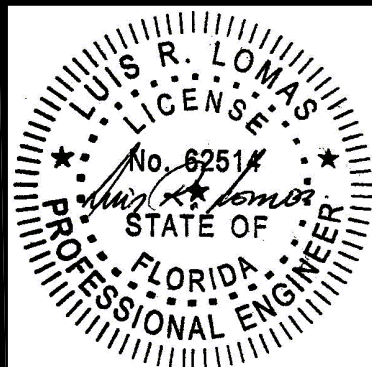
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:

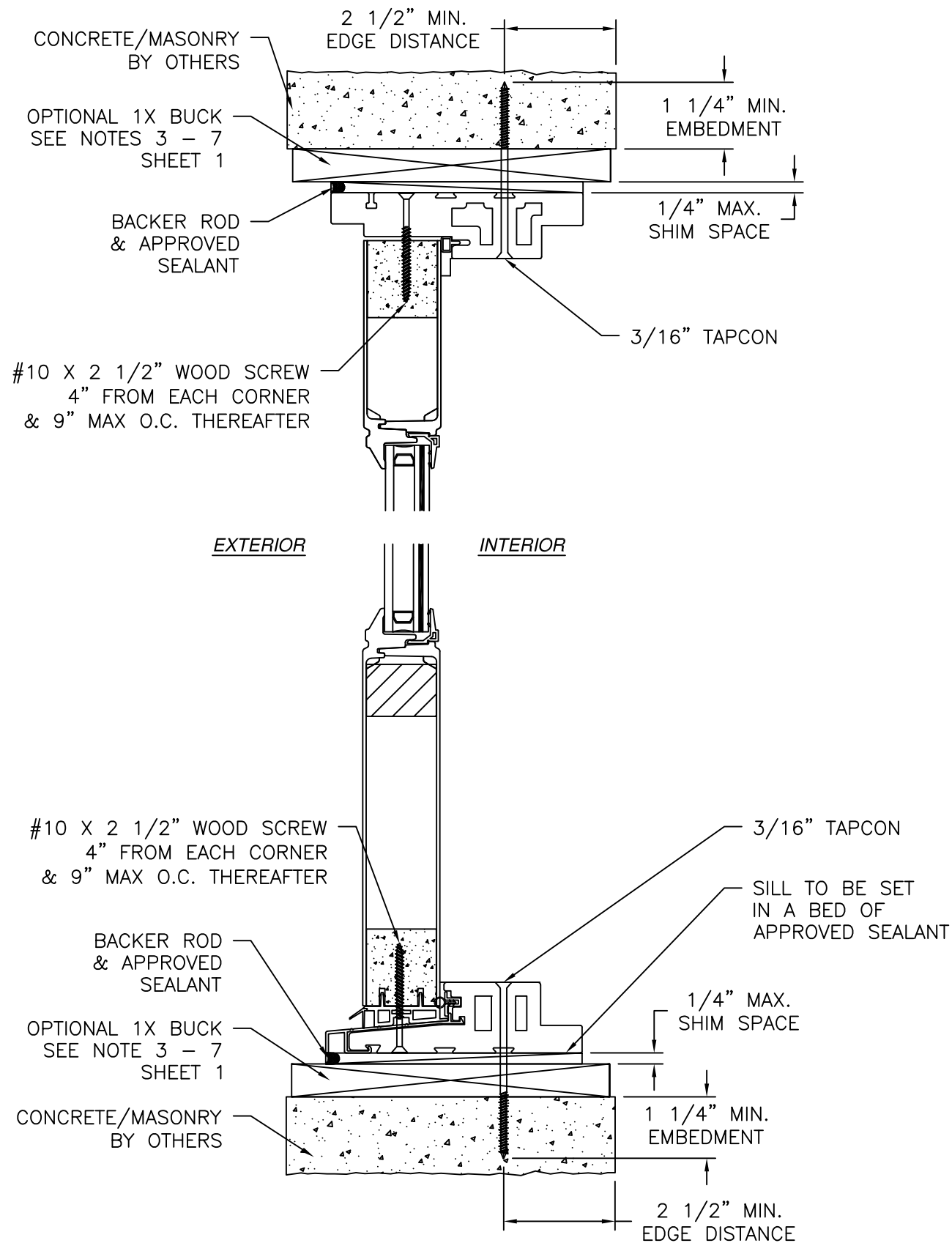
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
- PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 06/05/2025

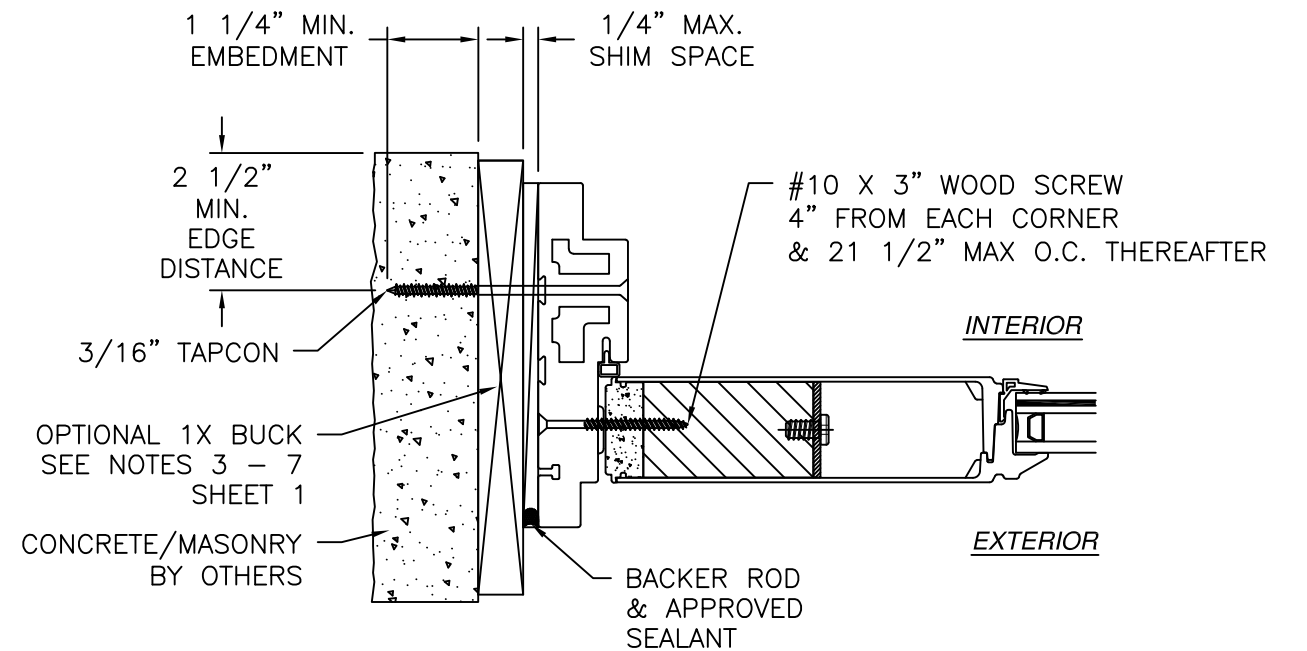
NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
8' OUTSWING DOOR SLP (OXX) IMPACT - HVHZ SIDELITE INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-02984	REV A
SCALE NTS	DATE 12/14/16	SHEET 8 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



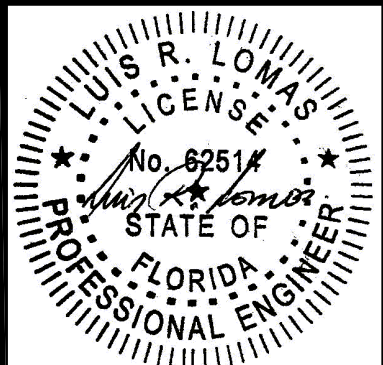
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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: 06/05/2025

NAN YA PLASTICS CORP. USA 8989 NORTH LOOP EAST HOUSTON, TX 77029		
8' OUTSWING DOOR SLP (OXX) IMPACT - HVHZ SIDELITE INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-02984	REV A
SCALE NTS	DATE 12/14/16	SHEET 9 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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