

| REVISIONS |                                |            |          |
|-----------|--------------------------------|------------|----------|
| REV       | DESCRIPTION                    | DATE       | APPROVED |
| A         | REVISED TO ADD GLAZING DETAILS | 06/03/2025 | R.L.     |

NOTES:

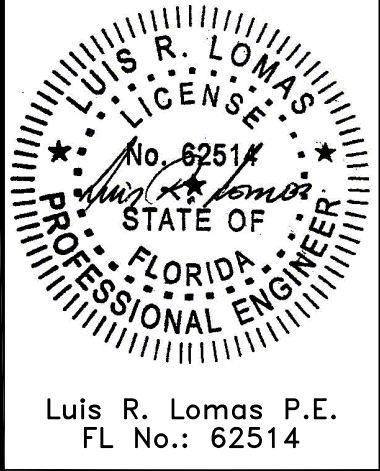
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT 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 9 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

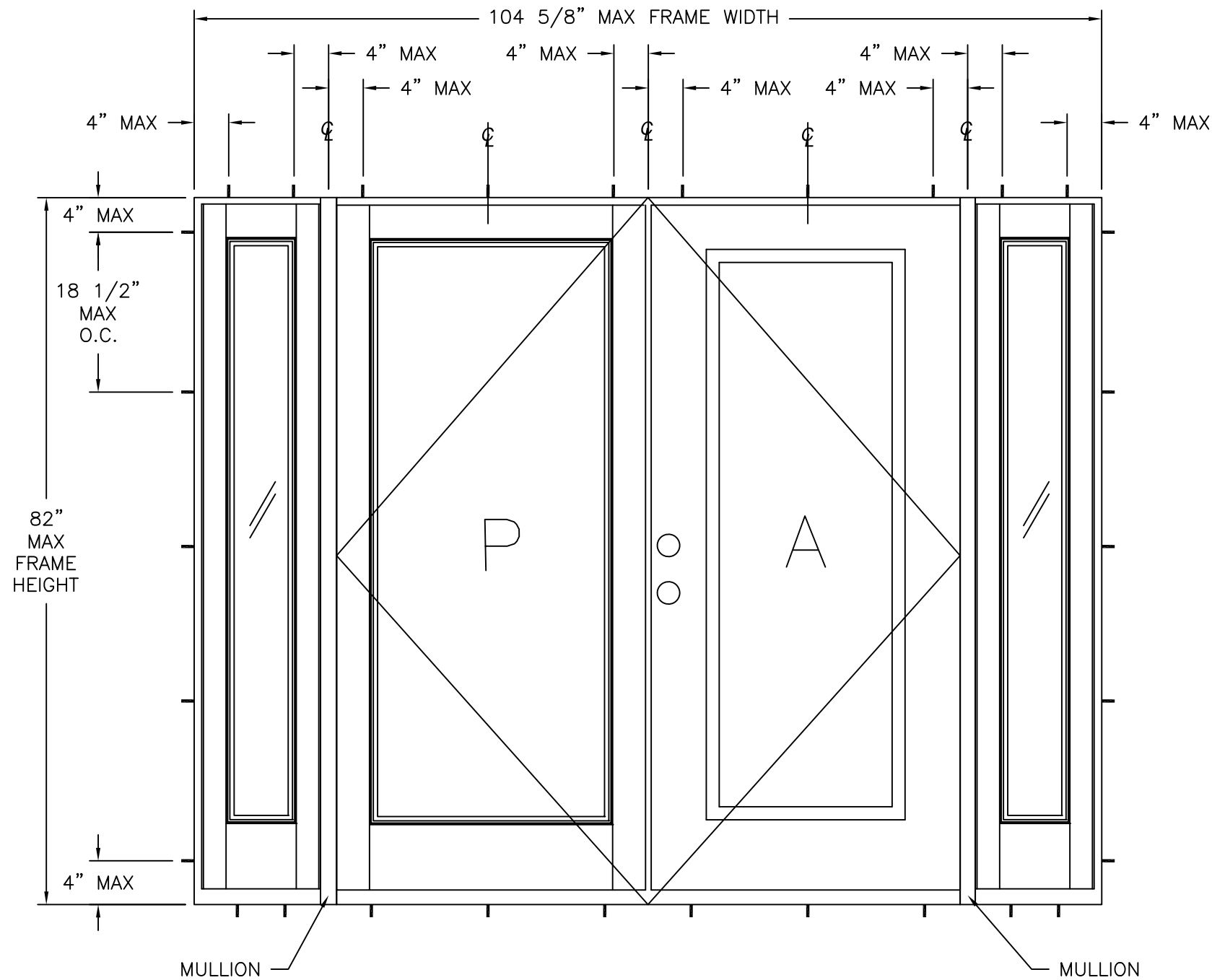
14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT 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 .058" THICK MINIMUM
19. APPROVED CONFIGURATIONS: O/XX/O, O/XX, XX/O, XX, O/X/O, O/X, X/O, X.

| TABLE OF CONTENTS |                                     |
|-------------------|-------------------------------------|
| SHEET NO.         | DESCRIPTION                         |
| 1                 | NOTES                               |
| 2                 | ELEVATION                           |
| 3 - 8             | INSTALLATION DETAILS                |
| 9                 | APPROVED PANELS AND GLAZING DETAILS |

|                                                                                                     |                     |              |
|-----------------------------------------------------------------------------------------------------|---------------------|--------------|
| NAN YA PLASTICS CORP. USA                                                                           |                     |              |
| 8989 NORTH LOOP EAST<br>HOUSTON, TX 77029                                                           |                     |              |
| SERIES MK-2 FIBERGLASS SKIN GLAZED ENTRY DOOR<br>INSWING W/ OR W/OUT SIDELITES IMPACT HVHZ<br>NOTES |                     |              |
| DRAWN:<br>V.L.                                                                                      | DWG NO.<br>08-03011 | REV<br>A     |
| SCALE NTS                                                                                           | DATE 12/01/16       | SHEET 1 OF 9 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com   |                     |              |

SIGNED: 06/03/2025





**SERIES MK-2 FIBERGLASS SKIN GLAZED ENTRY DOOR INSWING**  
EXTERIOR VIEW

| DESIGN PRESSURE RATING | IMPACT RATING                  |
|------------------------|--------------------------------|
| +20.0/-50.0PSF         | LARGE AND SMALL MISSILE IMPACT |

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ

| HARDWARE SCHEDULE |                                                                     |
|-------------------|---------------------------------------------------------------------|
| A.                | KWIKSET MAXIMUM ENTRY LATCH WITH KEEPER 34" FROM PANEL BOTTOM EDGE  |
| B.                | KWIKSET MAXIMUM DEADBOLT WITH KEEPER 39 5/8" FROM PANEL BOTTOM EDGE |
| C.                | (3) 4X4 HINGES BY MIKOTA 7", 40" AND 72" FROM PANEL BOTTOM EDGE     |
| D.                | 5/16"X19" SHOOT BOLT AT EITHER SIDE OF ASTRAGAL                     |
| E.                | 4 3/8" FATBOY MULLION BY ENDURA                                     |
| F.                | ALUMINUM/PVC/STEEL HURRICANE ASTRAGAL BY ENDURA                     |

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- NOTES:
1. MAXIMUM DOOR PANEL SIZE: 35 3/4" X 79 1/4"
  2. MAXIMUM DOOR D.L.O.: 26 1/4" X 66
  3. MAXIMUM SIDELITE PANEL SIZE: 13 3/4" X 79 1/4"
  4. MAXIMUM SIDELITE PANEL D.L.O.: 6 1/4" X 65 3/4"

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NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST  
HOUSTON, TX 77029

SERIES MK-2 FIBERGLASS SKIN GLAZED ENTRY DOOR  
INSWING W/ OR W/OUT SIDELITES IMPACT HVHZ  
ELEVATION

DRAWN:  
V.L.

DWG NO.  
08-03011

REV  
A

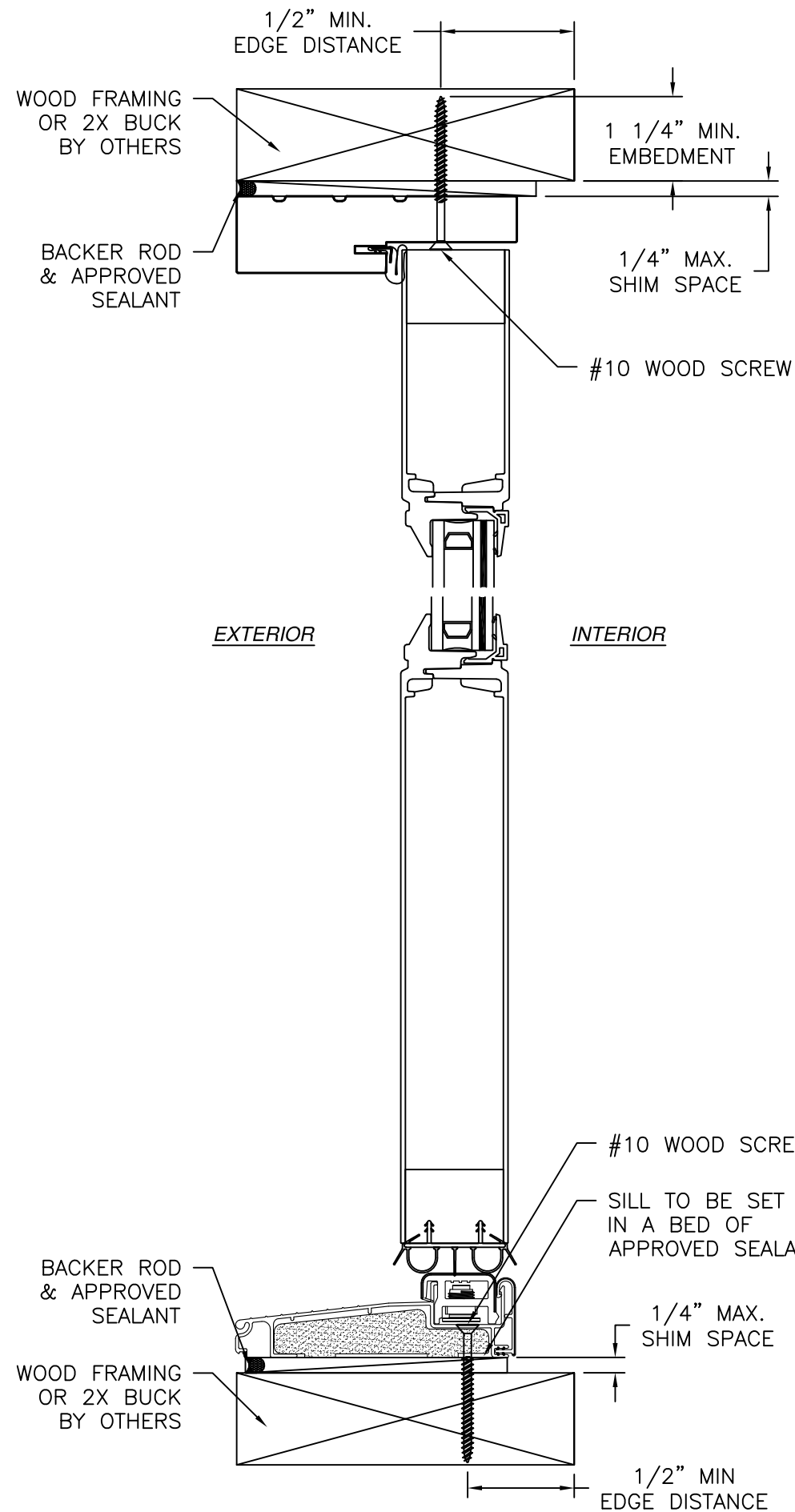
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NTS

DATE  
12/01/16

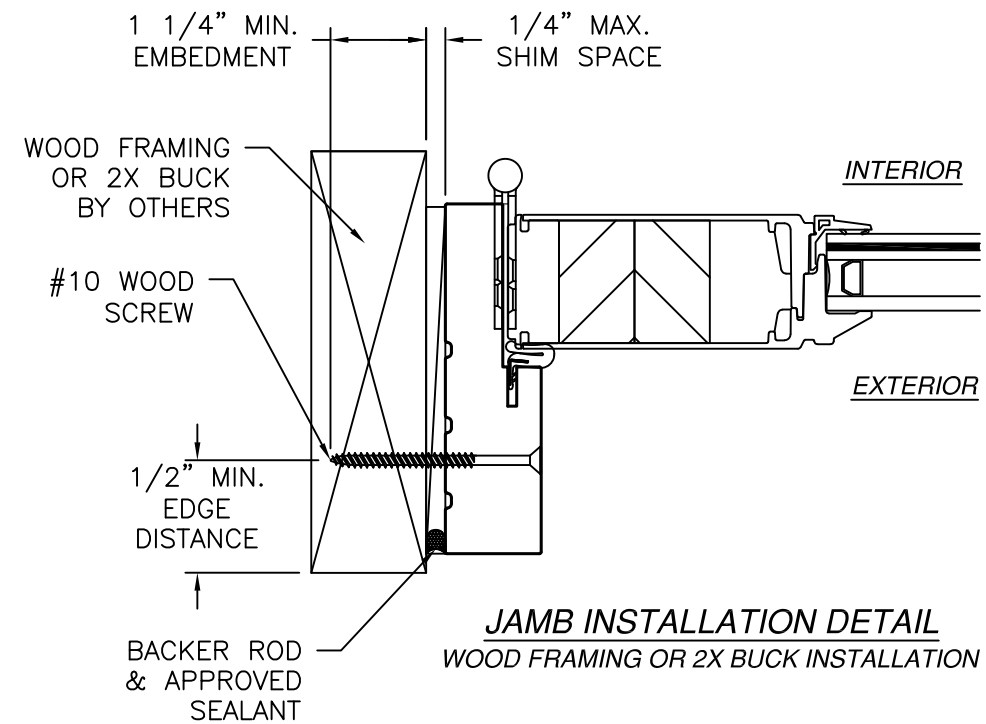
SHEET  
2 OF 9

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**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION

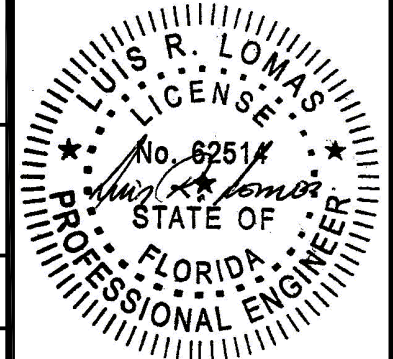


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  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

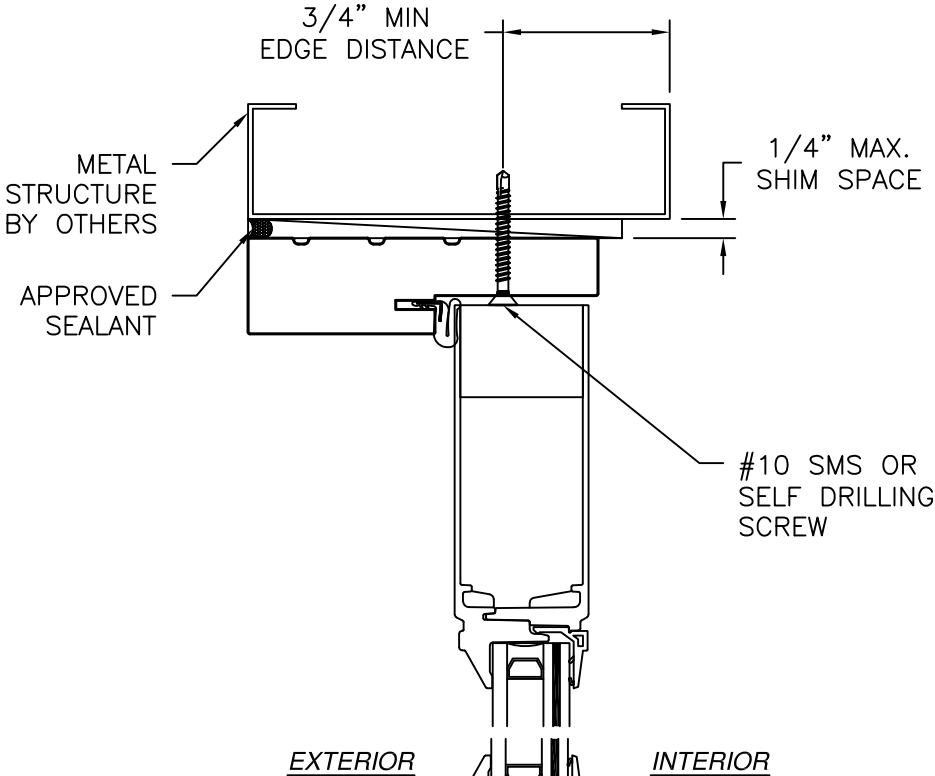
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|-------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|
| <b>NAN YA PLASTICS CORP. USA</b><br>8989 NORTH LOOP EAST<br>HOUSTON, TX 77029                                           |                            |                            |
| SERIES MK-2 FIBERGLASS SKIN GLAZED ENTRY DOOR<br>INSWING W/ OR W/OUT SIDELITES IMPACT HVHZ<br>DOOR INSTALLATION DETAILS |                            |                            |
| DRAWN:<br><b>V.L.</b>                                                                                                   | DWG NO.<br><b>08-03011</b> | REV<br><b>A</b>            |
| SCALE <b>NTS</b>                                                                                                        | DATE <b>12/01/16</b>       | SHEET <b>3</b> OF <b>9</b> |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com                       |                            |                            |

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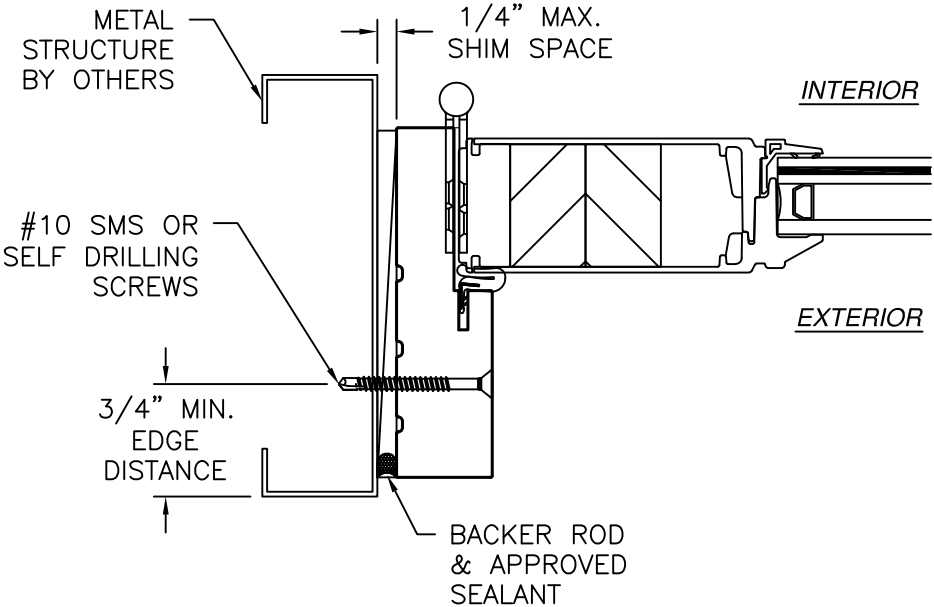


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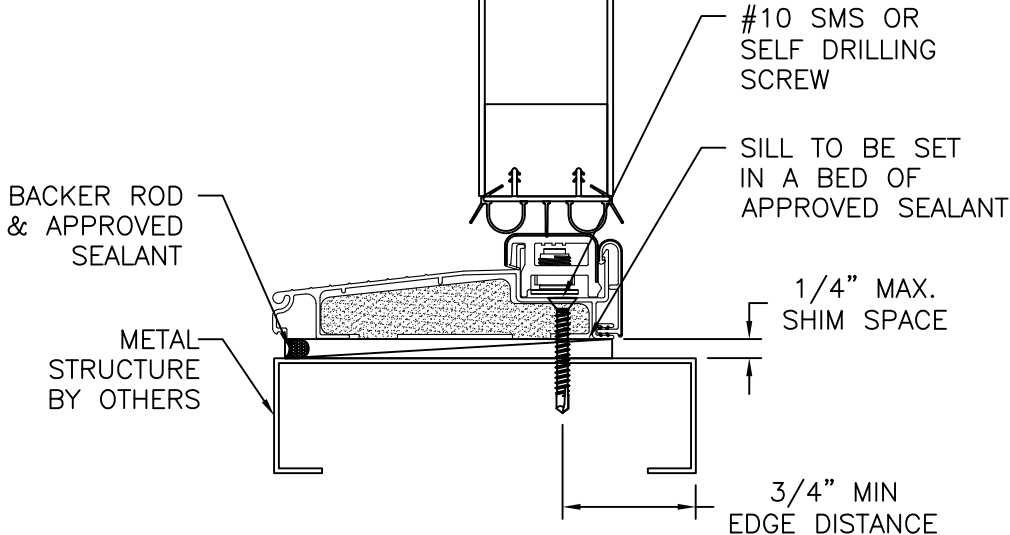
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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION



- NOTES:
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HOUSTON, TX 77029

SERIES MK-2 FIBERGLASS SKIN GLAZED ENTRY DOOR  
INSWING W/ OR W/OUT SIDELITES IMPACT HVHZ  
DOOR INSTALLATION DETAILS

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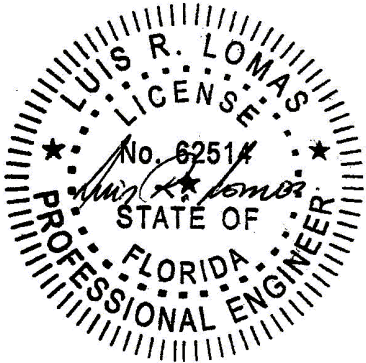
SHEET  
4 OF 9

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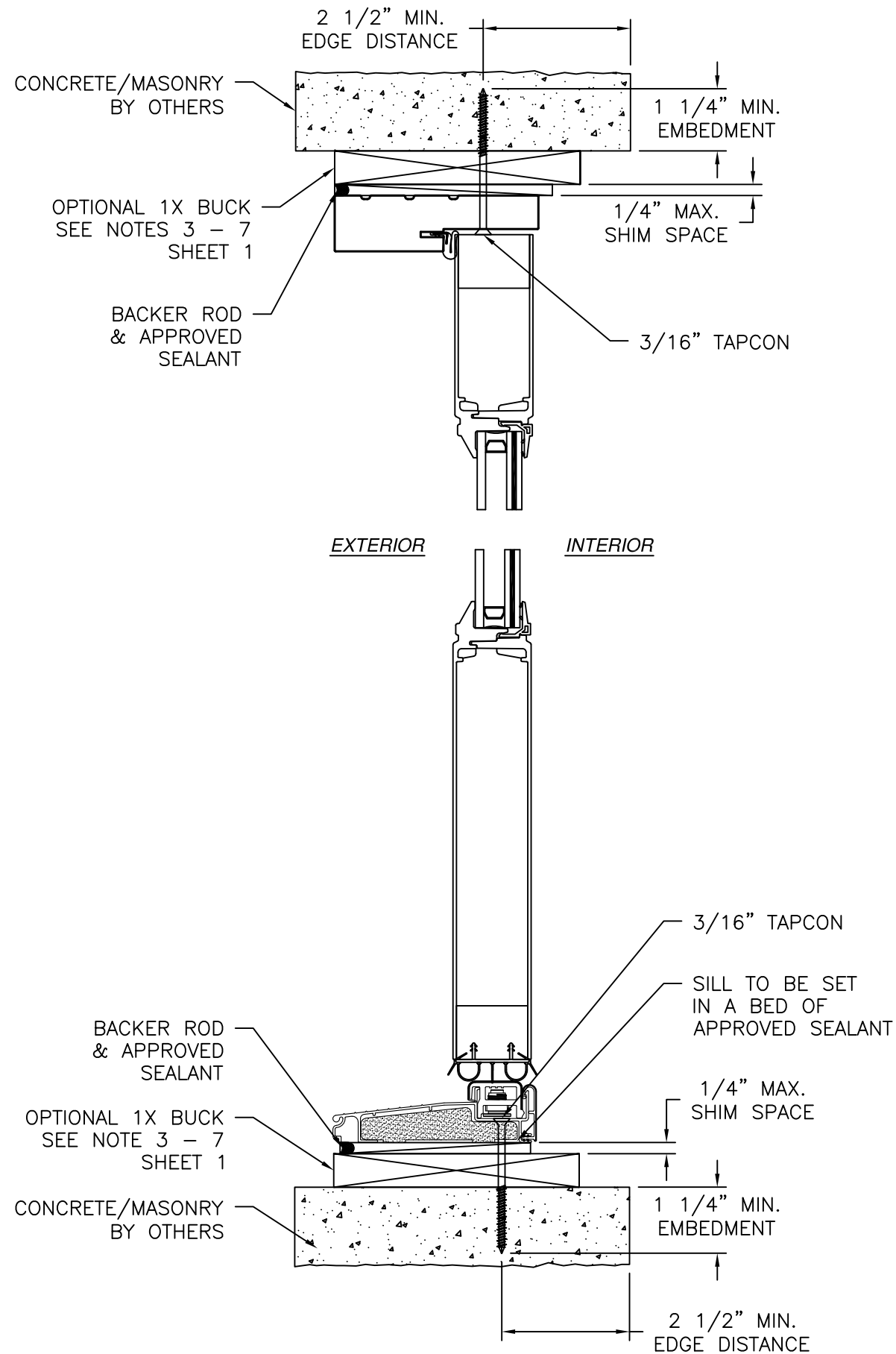
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

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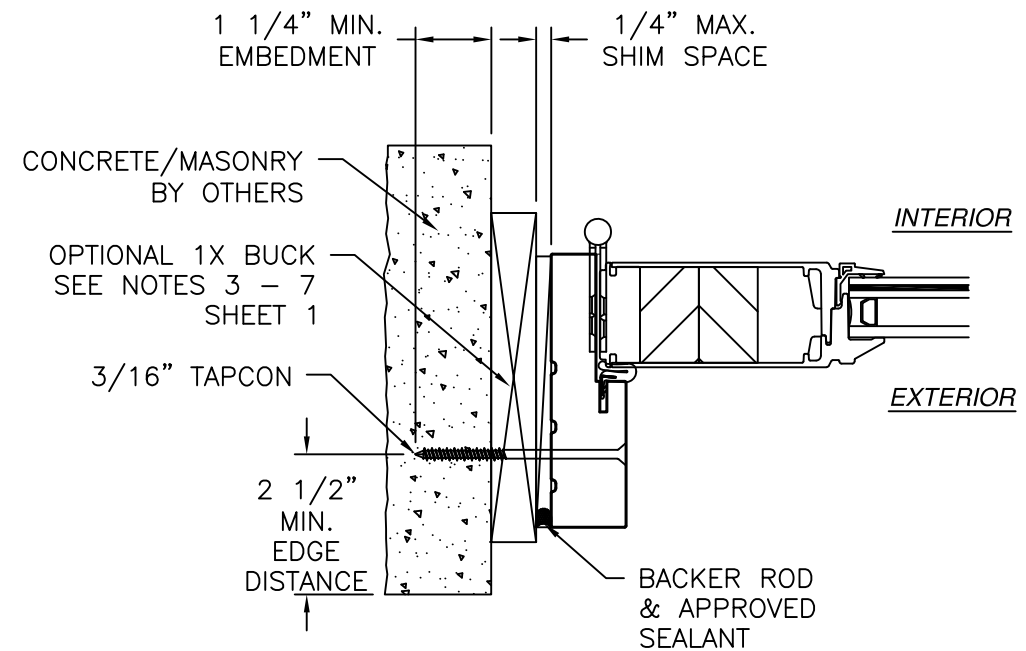


**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION

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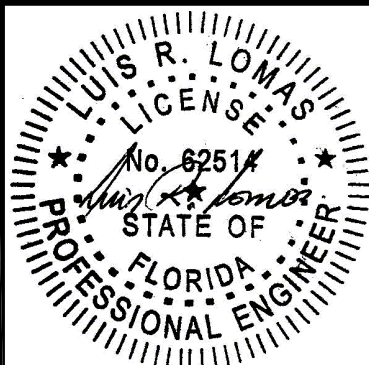
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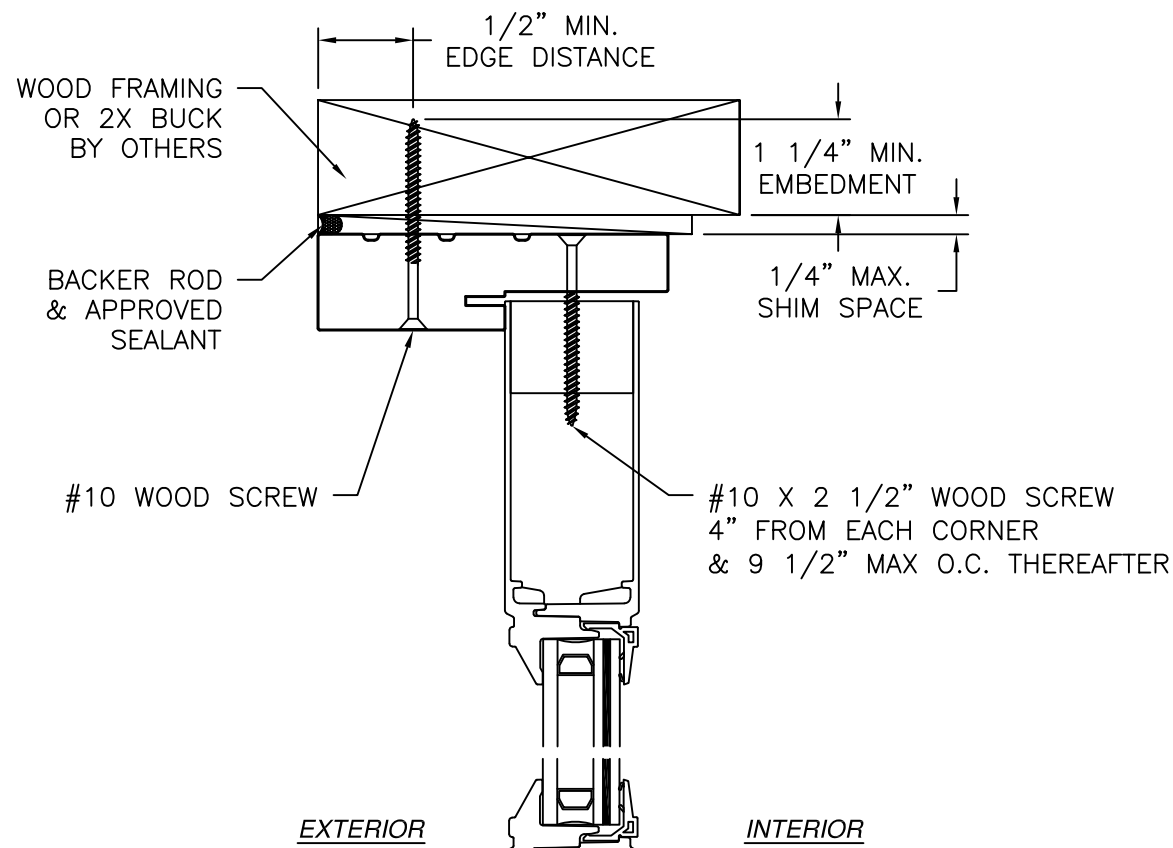
**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY INSTALLATION

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|                                                                                                                         |                     |              |
|-------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|
| <b>NAN YA PLASTICS CORP. USA</b><br>8989 NORTH LOOP EAST<br>HOUSTON, TX 77029                                           |                     |              |
| SERIES MK-2 FIBERGLASS SKIN GLAZED ENTRY DOOR<br>INSWING W/ OR W/OUT SIDELITES IMPACT HVHZ<br>DOOR INSTALLATION DETAILS |                     |              |
| DRAWN:<br>V.L.                                                                                                          | DWG NO.<br>08-03011 | REV<br>A     |
| SCALE NTS                                                                                                               | DATE 12/01/16       | SHEET 5 OF 9 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com                       |                     |              |

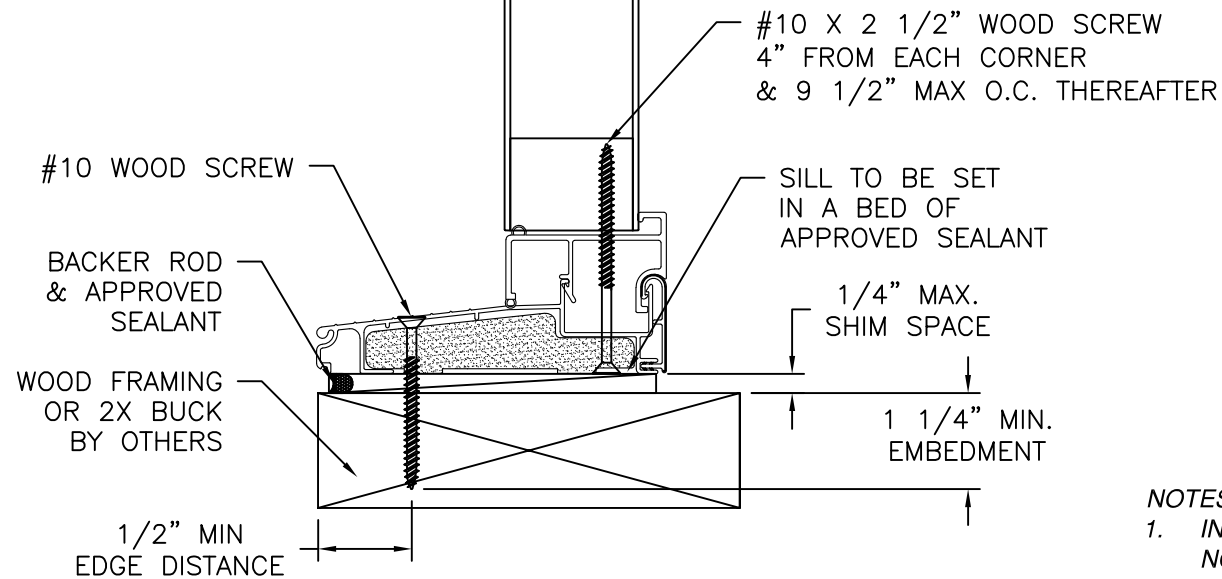


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EXTERIOR

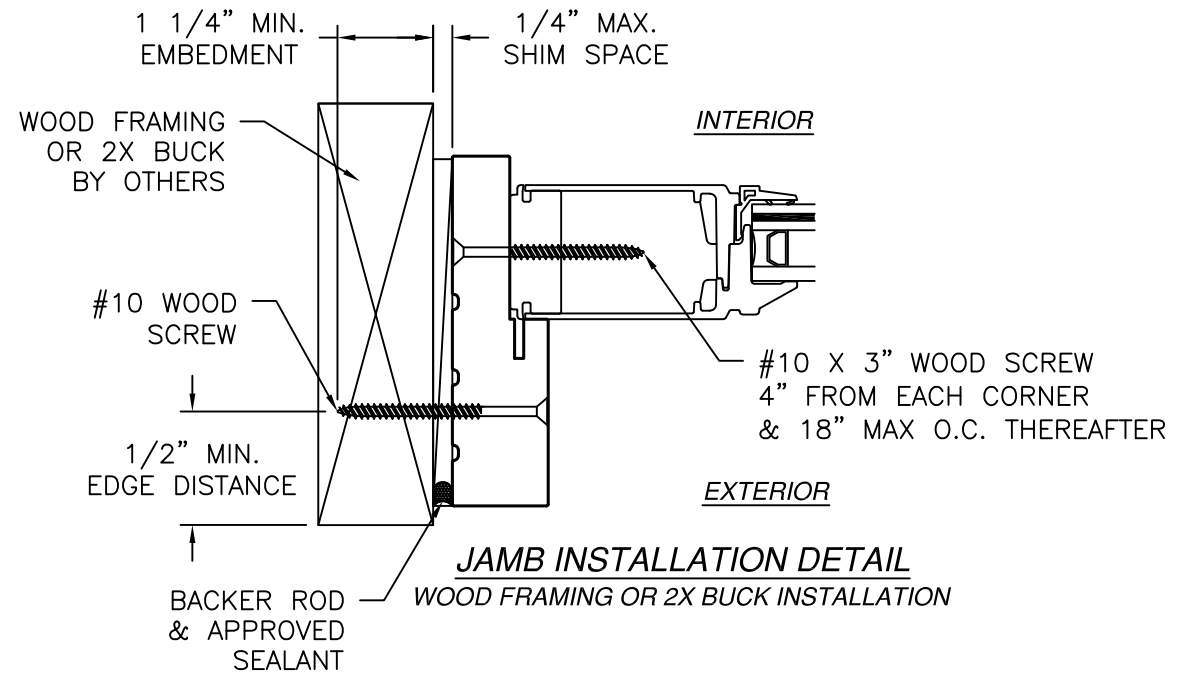
INTERIOR



**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION

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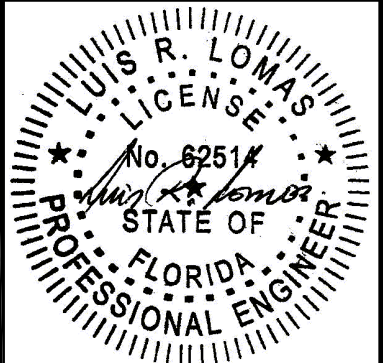


**JAMB INSTALLATION DETAIL**

WOOD FRAMING OR 2X BUCK INSTALLATION

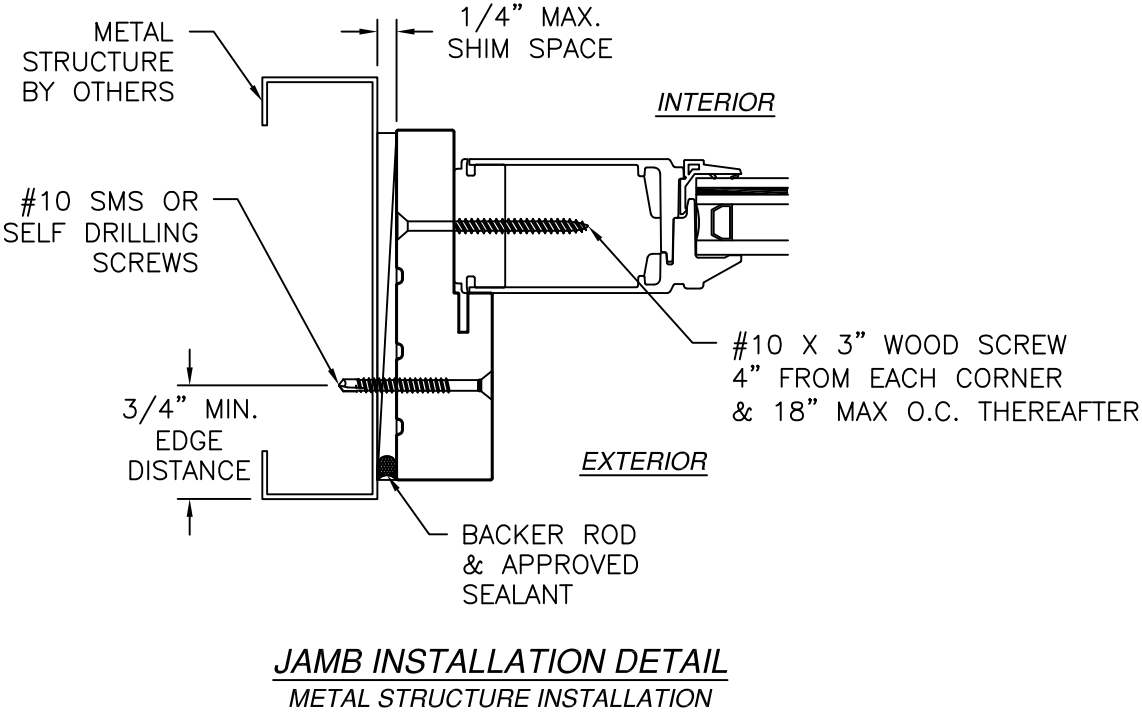
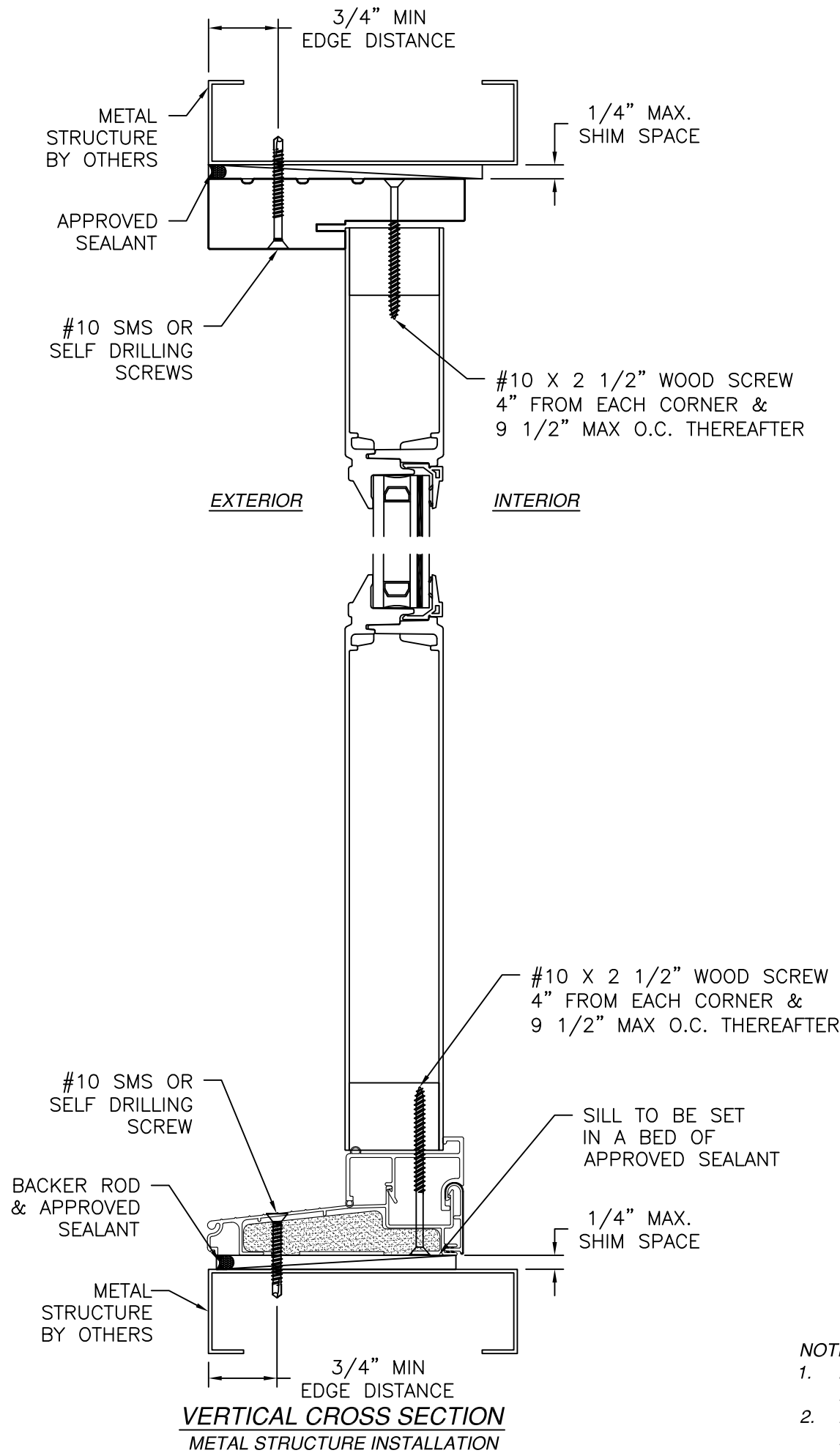
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| SERIES MK-2 FIBERGLASS SKIN GLAZED ENTRY DOOR<br>INSWING W/ OR W/OUT SIDELITES IMPACT HVHZ<br>SIDELITE INSTALLATION DETAILS |                     |                 |
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| SCALE<br>NTS                                                                                                                | DATE<br>12/01/16    | SHEET<br>6 OF 9 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com                           |                     |                 |

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Luis R. Lomas P.E.  
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NAN YA PLASTICS CORP. USA

8989 NORTH LOOP EAST  
HOUSTON, TX 77029

SERIES MK-2 FIBERGLASS SKIN GLAZED ENTRY DOOR  
INSWING W/ OR W/OUT SIDELITES IMPACT HVHZ  
SIDELITE INSTALLATION DETAILS

DRAWN:  
V.L.

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DATE  
12/01/16

SHEET  
7 OF 9

L. ROBERTO LOMAS P.E.

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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 06/03/2025

LUIS R. LOMAS

LICENSE

No. 62514

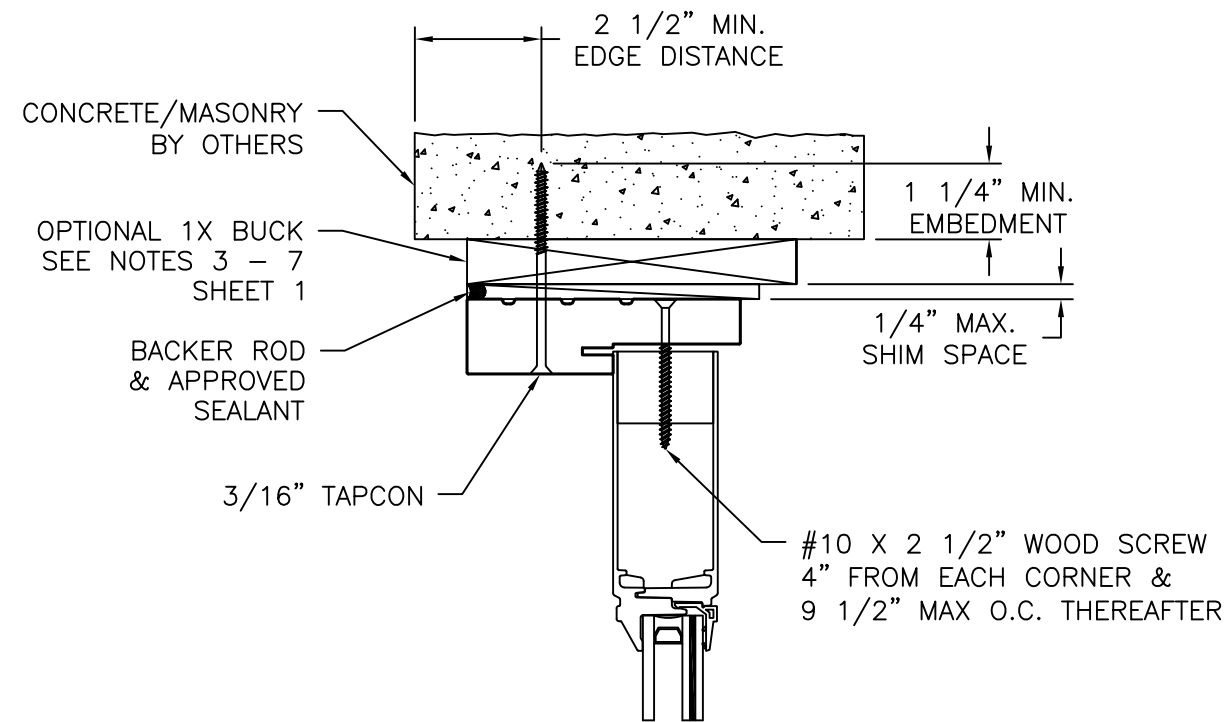
STATE OF

FLORIDA

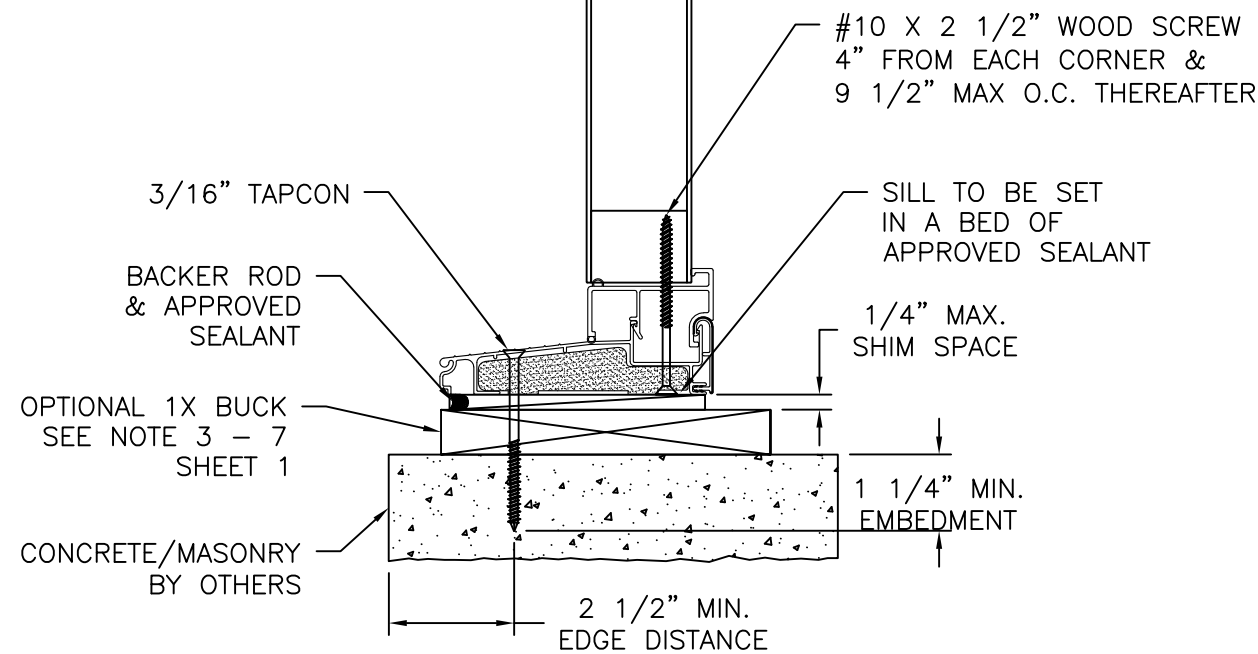
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514



EXTERIOR INTERIOR

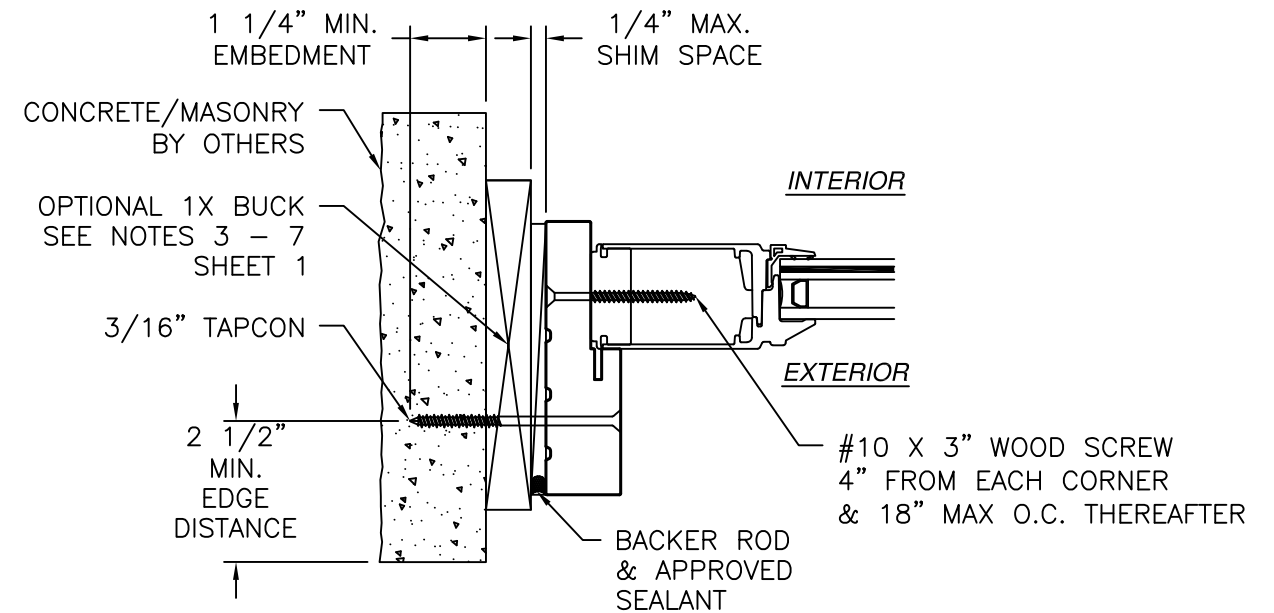


**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION

**NOTES:**

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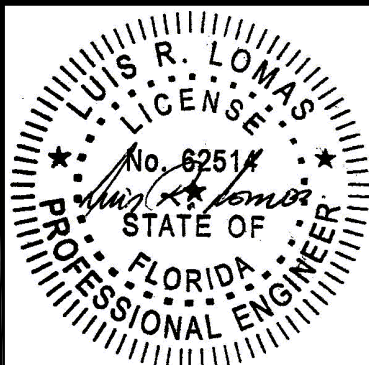
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**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY INSTALLATION

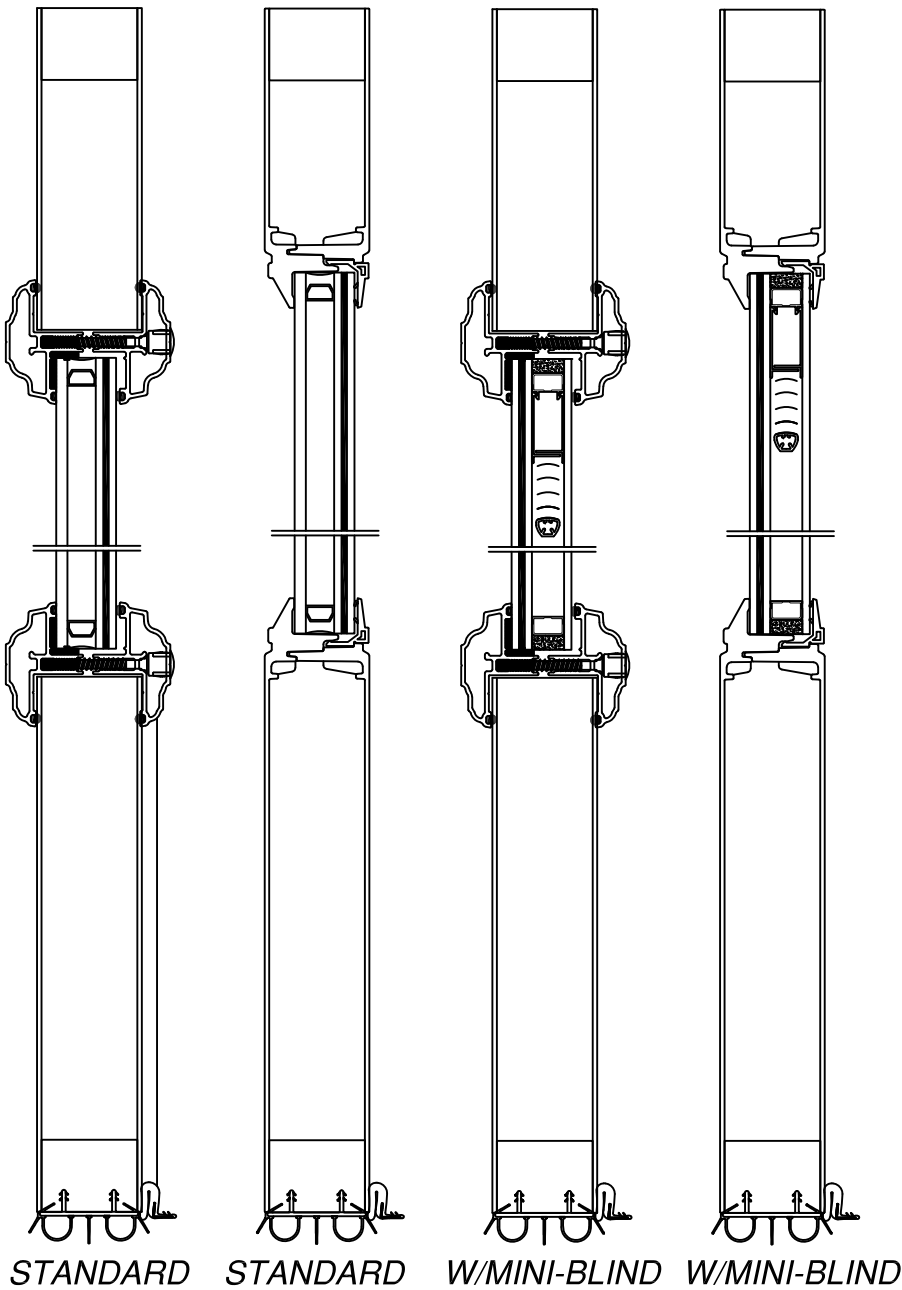
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| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com                           |                     |                 |

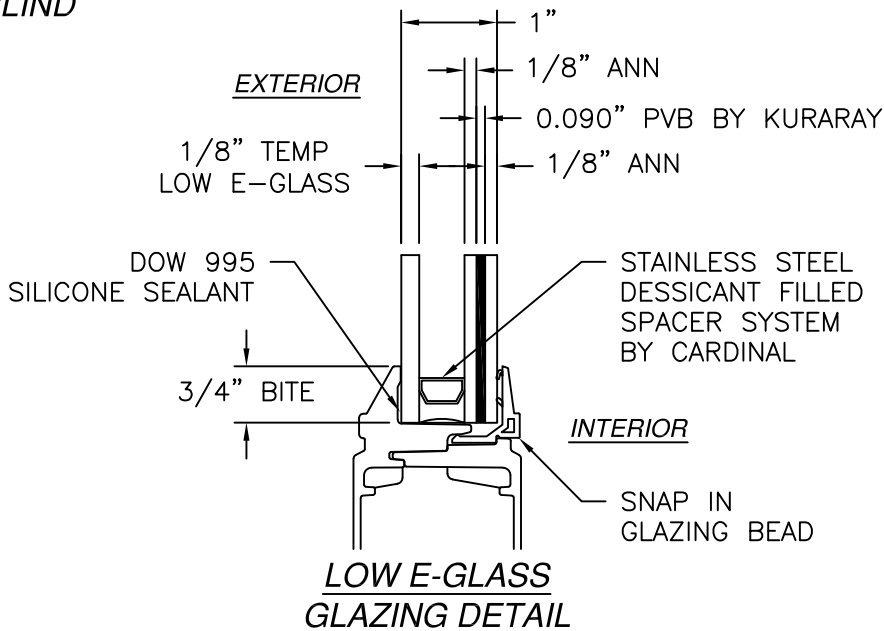
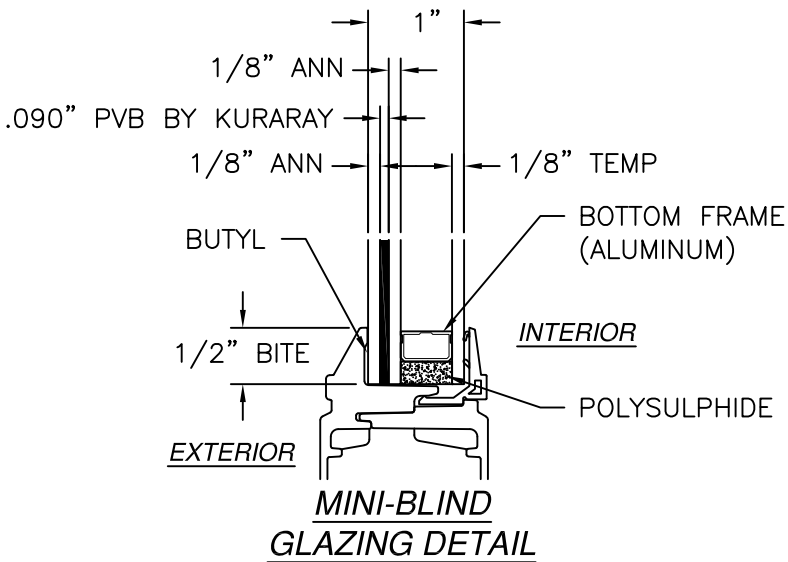
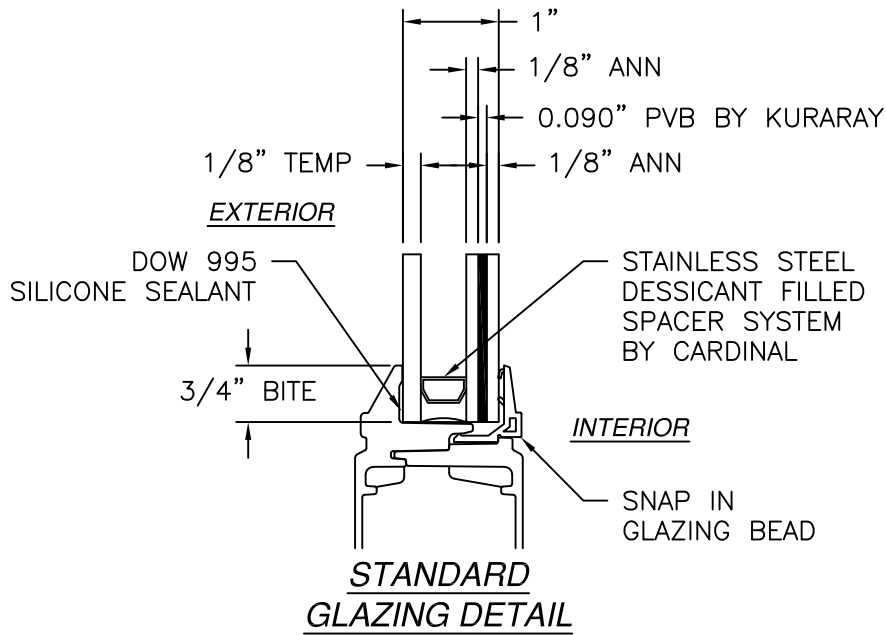
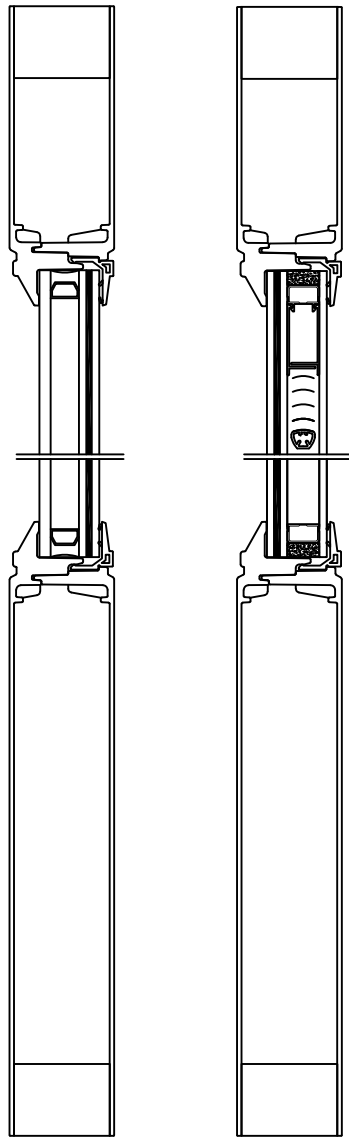


Luis R. Lomas P.E.  
FL No.: 62514

APPROVED DOOR PANELS



APPROVED SIDELITE PANELS



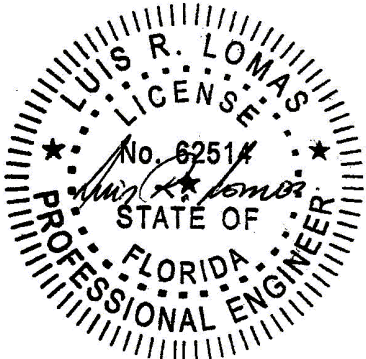
NAN YA PLASTICS CORP. USA  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

SERIES MK-2 FIBERGLASS SKIN GLAZED ENTRY DOOR  
INSWING W/ OR W/OUT SIDELITES IMPACT HVHZ  
APPROVED PANELS & GLAZING DETAILS

|                |                     |                 |
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| DRAWN:<br>V.L. | DWG NO.<br>08-03011 | REV<br>A        |
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