

| REVISIONS | | | |
|-----------|------------------------|------------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| G | REVISED APPROVED SLABS | 01/27/2021 | R.L. |

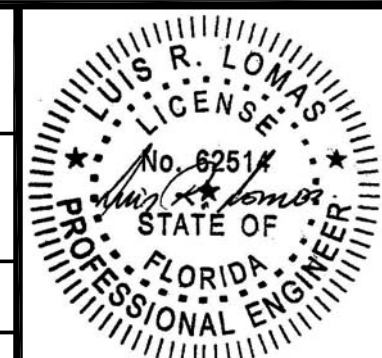
NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE 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. 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.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: WOOD WITH G=.46 MINIMUM SPECIFIC GRAVITY, OR COMPOSITE, OR FRAMESAVER, OR FUSION FRAME.
DOOR SKIN MATERIAL: STEEL .033" THICK (MINIMUM), FIBERGLASS .085" THICK (MINIMUM)
6. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
7. 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".
8. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
9. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS 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.
10. FOR ANCHORING INTO METAL STRUCTURE USE #8 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.
11. ALL FASTENERS TO BE CORROSION RESISTANT.
12. 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 3,192 PSI.
 - C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM

SIGNED: 01/27/2021

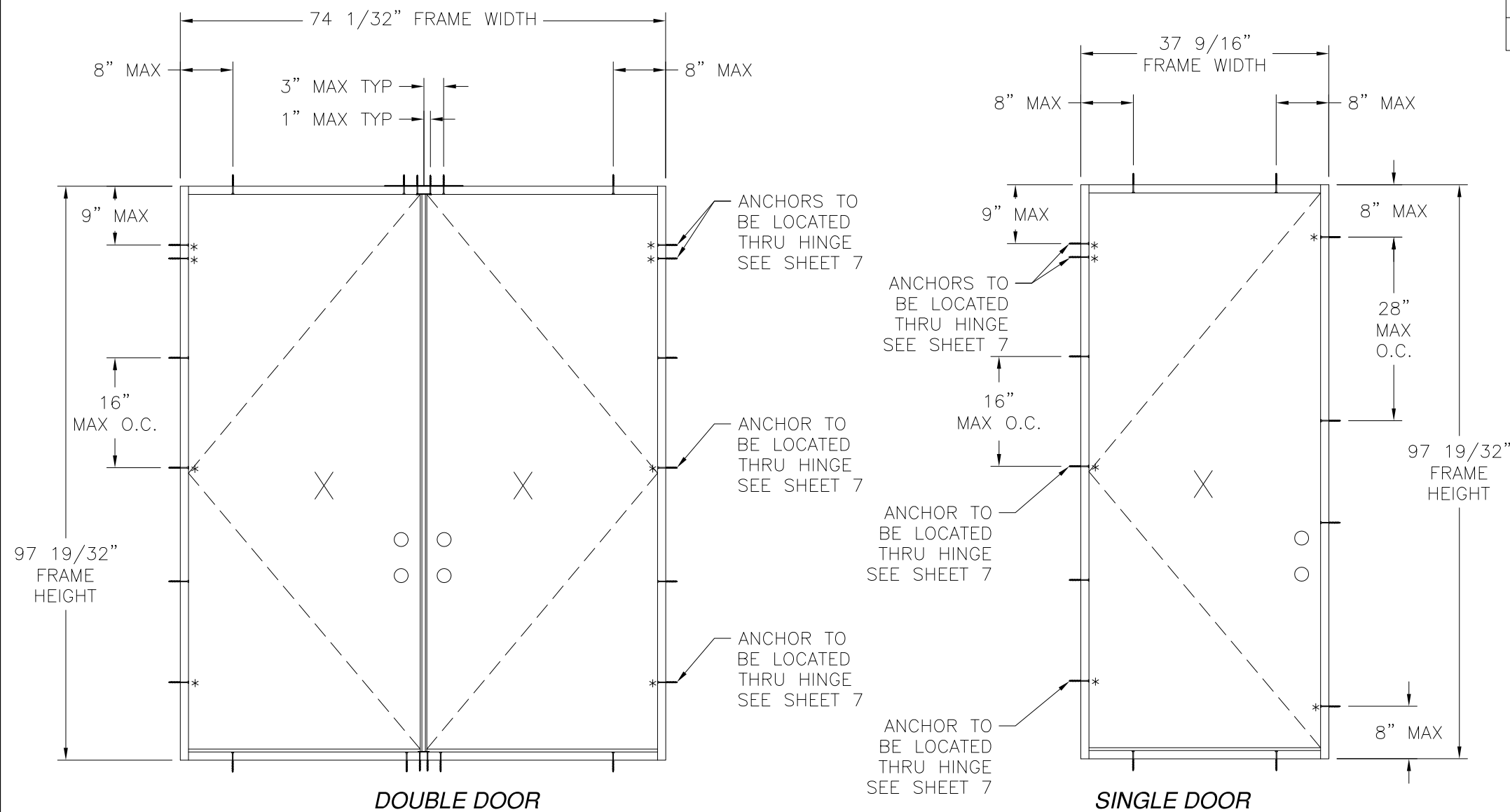
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| | | |
|---|---------------------|-----------------|
| PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681 | | |
| STEEL/FIBERGLASS INSWING OPAQUE DOOR SINGLE & DOUBLE – IMPACT NOTES | | |
| DRAWN: V.L. | DWG NO. 08-02034 | REV G |
| SCALE NTS | DATE 03/05/13 | SHEET 1 OF 9 |
| L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com | | |



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

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| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|----------------------|
| ±55.0PSF | LARGE MISSILE IMPACT |

MISSILE LEVEL D, WIND ZONE 3
 35 3/4" x 94 15/16" PANEL SIZE SHOWN. OTHER SIZES ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.56 FT²

| HARDWARE SCHEDULE |
|---|
| A. F-SERIES ASSEMBLY DOOR KNOB BY SCHLAGE. |
| B. B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE |
| C. F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE |
| D. EMTEK RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY (ALTERNATE) |
| E. TRILLENIUM MULTI-POINT LOCK HANDLE ASSEMBLY (ALTERNATE) |
| F. INSWING HURRICANE ASTRAGAL BY ENDURA |
| G. (3) 4" X 4" BALL BEARING HINGES BY PENROD |
| H. (3) 4" X 4" SPRING BOMMER HINGES BY PENROD (ALTERNATE) |

- NOTES;
- HINGES ARE LOCATED AT 10", 50" AND 89" FROM TOP CORNER.
 - APPROVED CONFIGURATIONS MAY BE RIGHT OR LEFT HAND.
 - PANEL SIZE 35 3/4" X 94 15/16".
 - D.L.O. 20 3/8" X 78 1/2".
 - JAMBS ARE ASSEMBLED TO HEAD FRAME WITH (3) #8X3" WOOD SCREWS AT EACH JAMB.
 - JAMBS ARE ASSEMBLED TO THRESHOLD WITH (3) #6X1-1/2" WOOD SCREWS AT EACH JAMB.

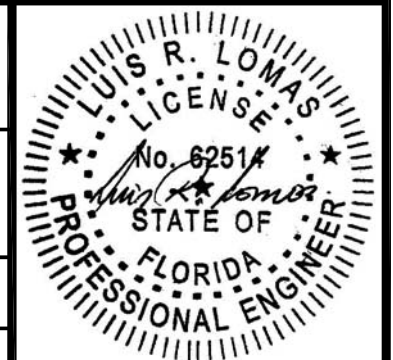
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 2150 STATE ROUTE 39 WEST
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STEEL/FIBERGLASS INSWING OPAQUE DOOR
 SINGLE & DOUBLE - IMPACT
 ELEVATIONS

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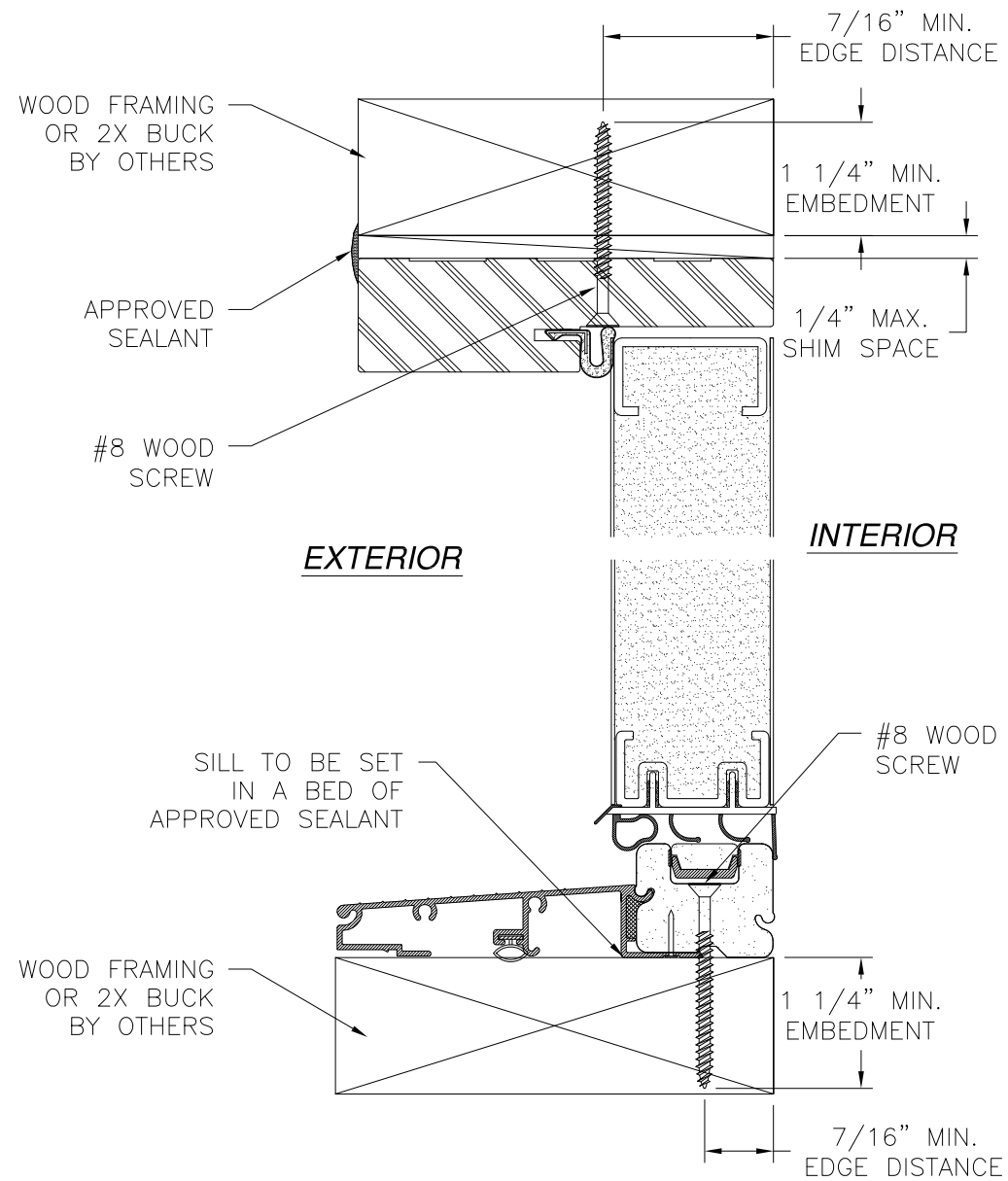
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 1432 WOODFORD RD LEWISVILLE, NC 27023
 434-688-0609 rllomas@rlomaspe.com

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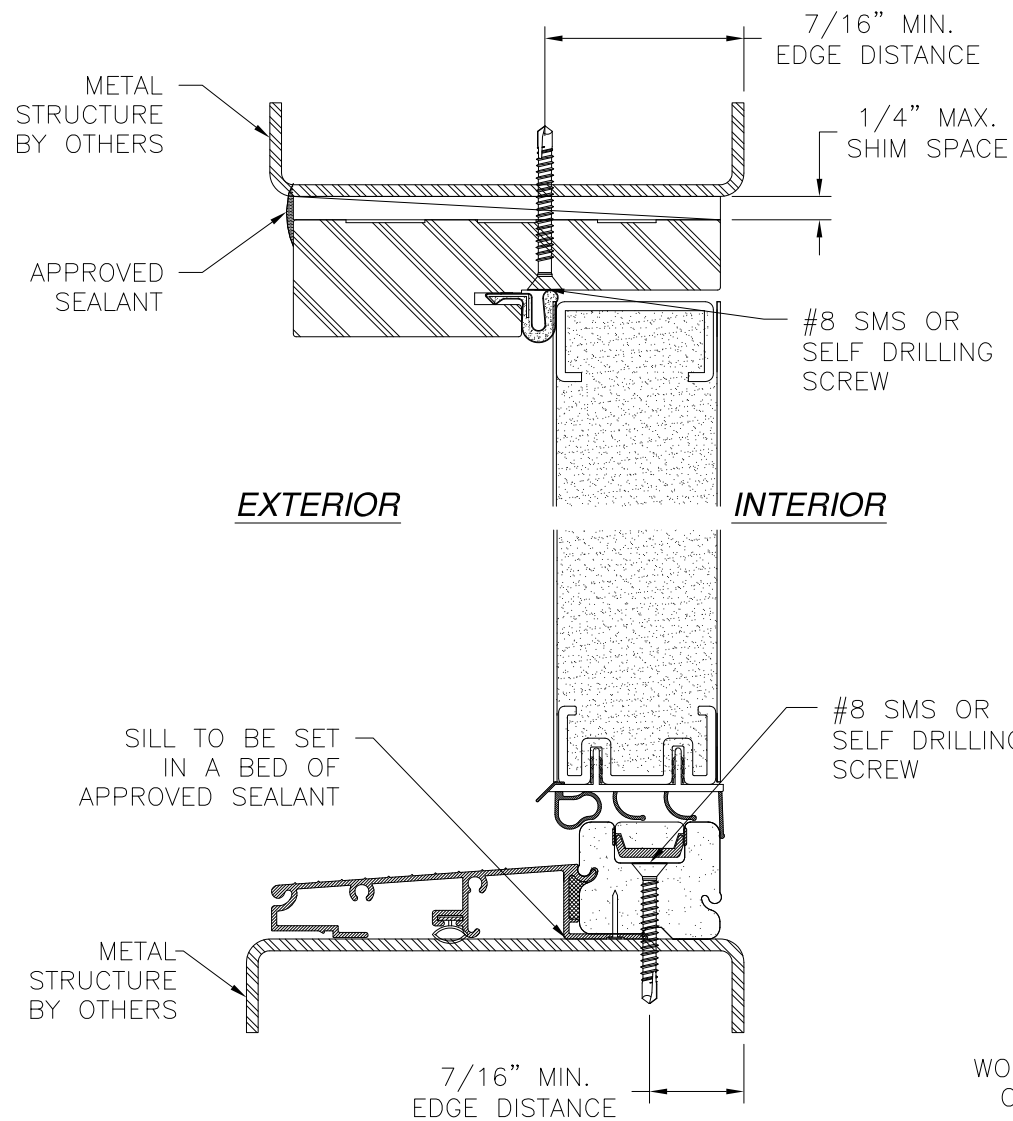


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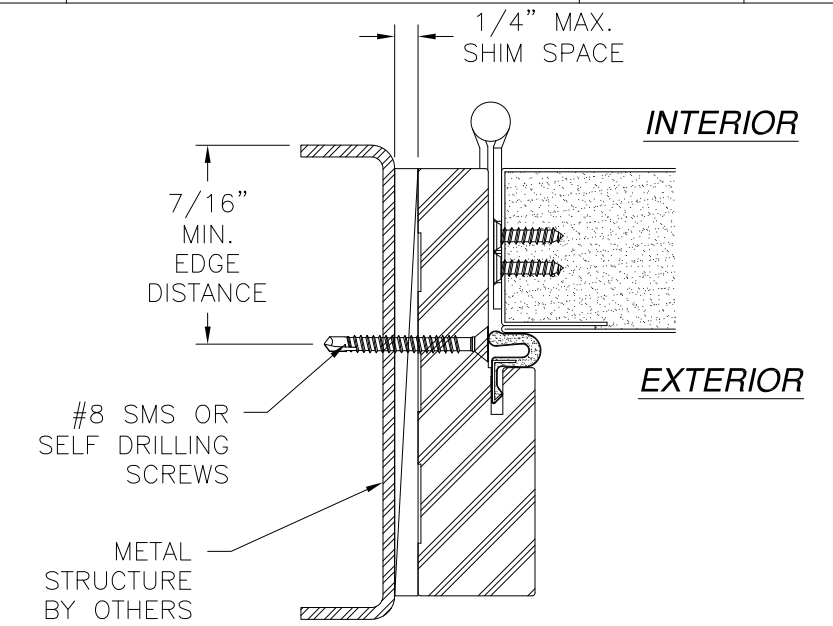
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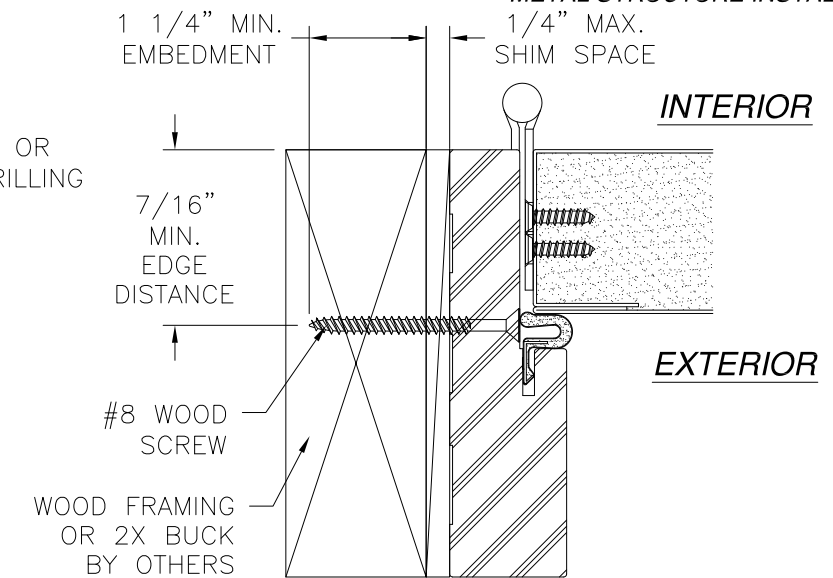
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION SIGNED: 01/27/2021

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

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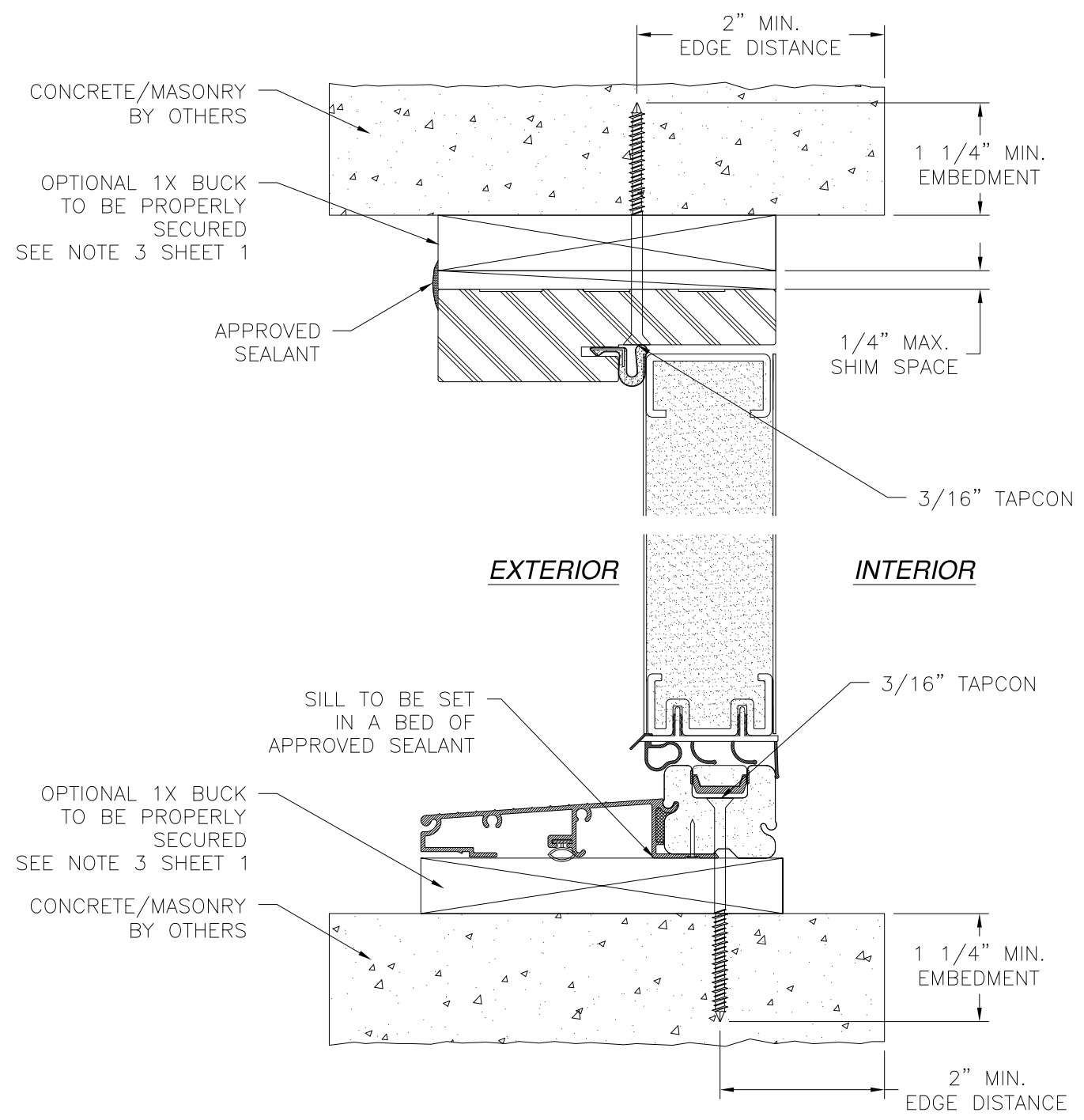
STEEL/FIBERGLASS INSWING OPAQUE DOOR
SINGLE & DOUBLE - IMPACT
INSTALLATION DETAILS

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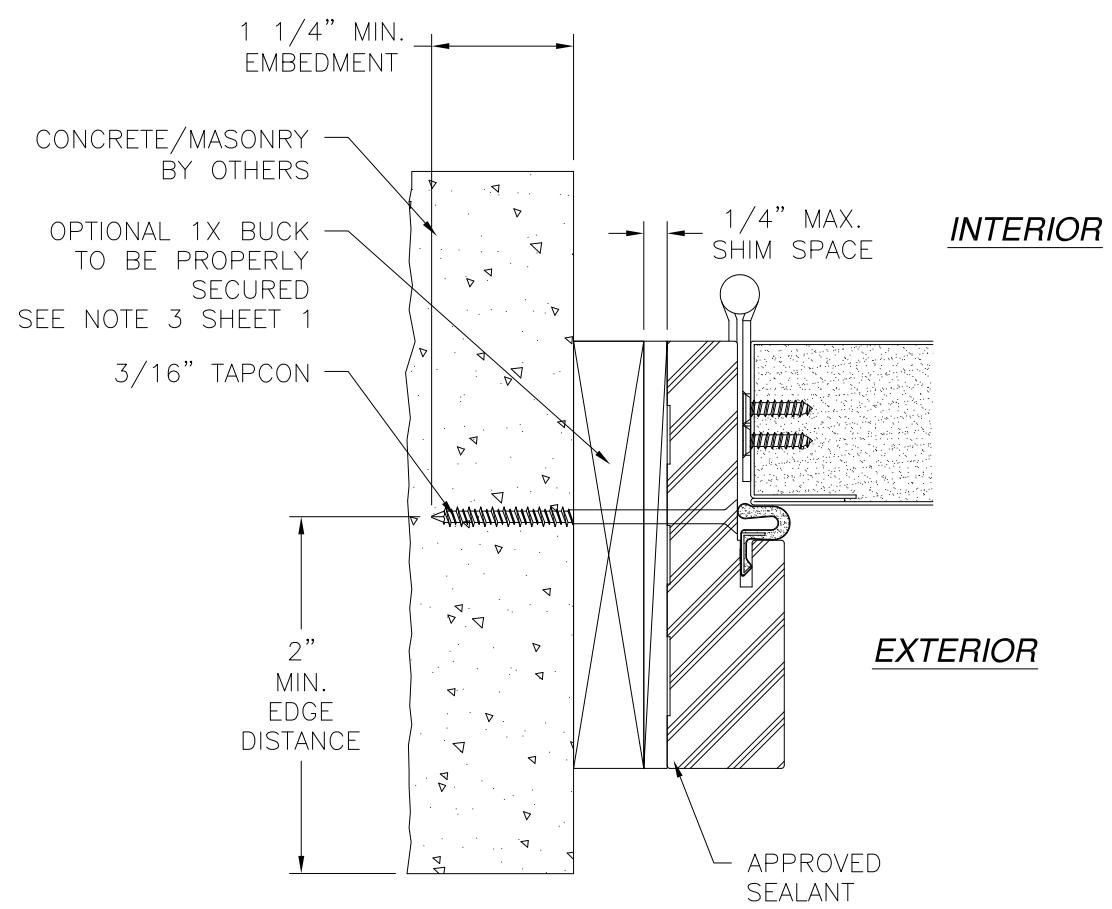
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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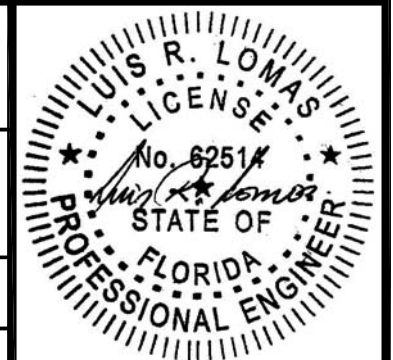
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STEEL/FIBERGLASS INSWING OPAQUE DOOR
SINGLE & DOUBLE – IMPACT
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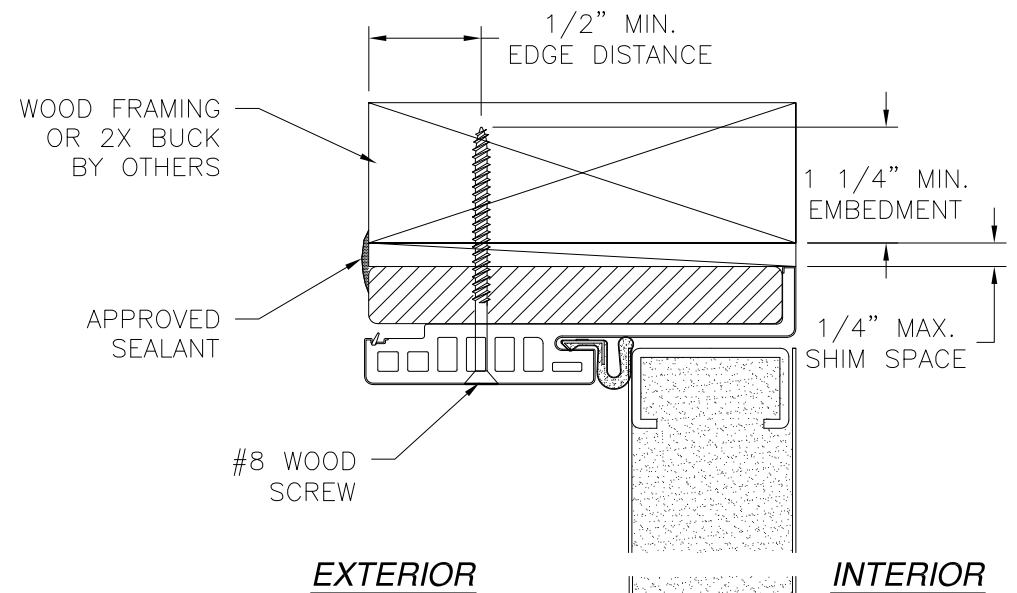
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434-688-0609 rllomas@rlomaspe.com

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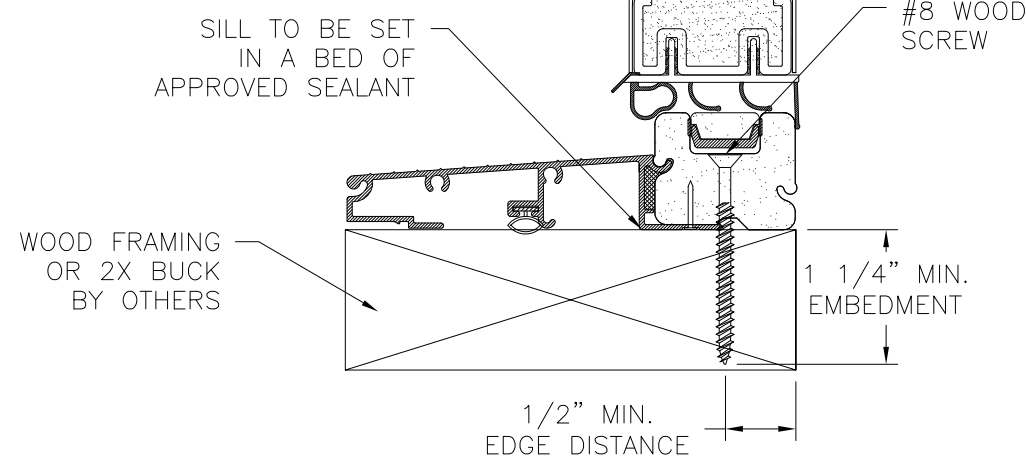


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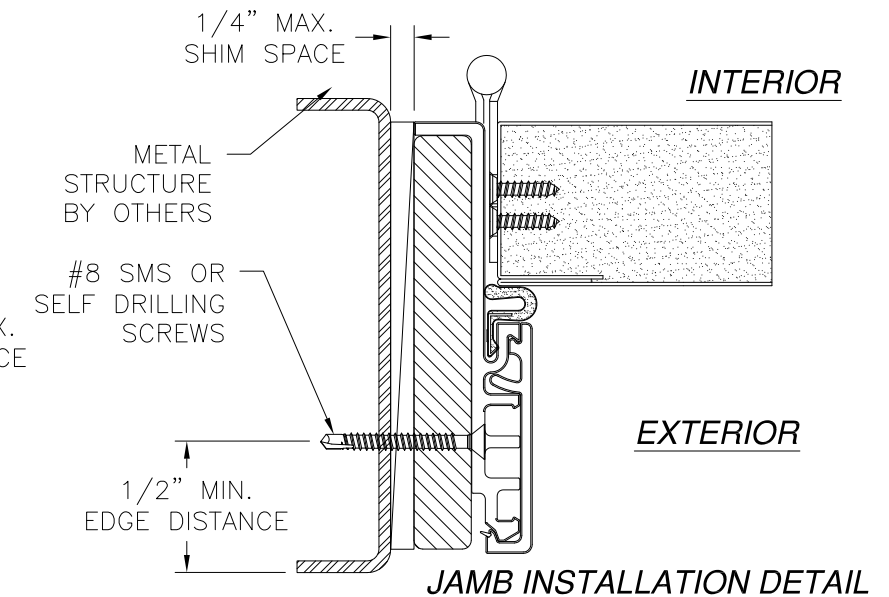
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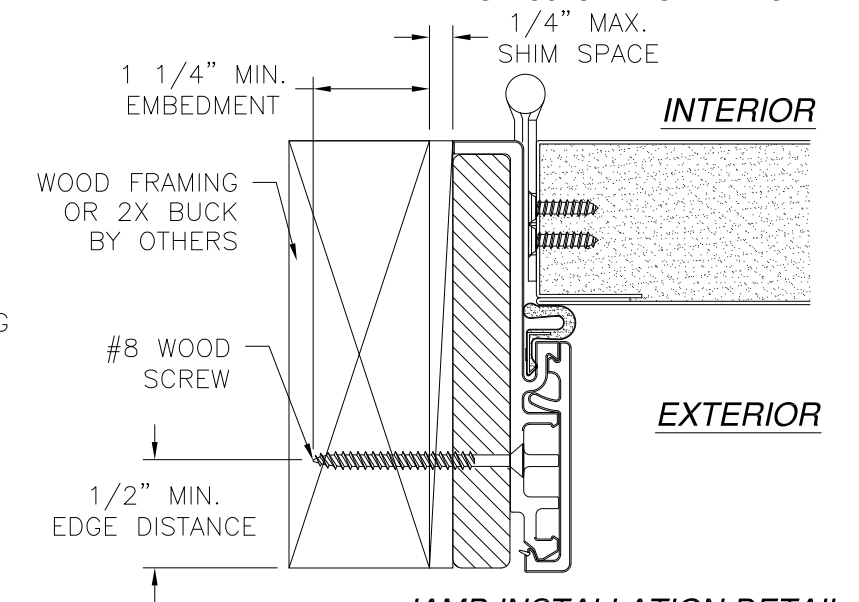
EXTERIOR **INTERIOR**



EXTERIOR **INTERIOR**



**JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION**



**JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION**

SIGNED: 01/27/2021

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

**VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION**

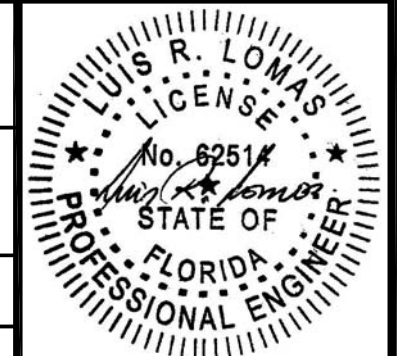
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STEEL/FIBERGLASS INSWING OPAQUE DOOR
SINGLE & DOUBLE - IMPACT
INSTALLATION DETAILS W/FUSION FRAME

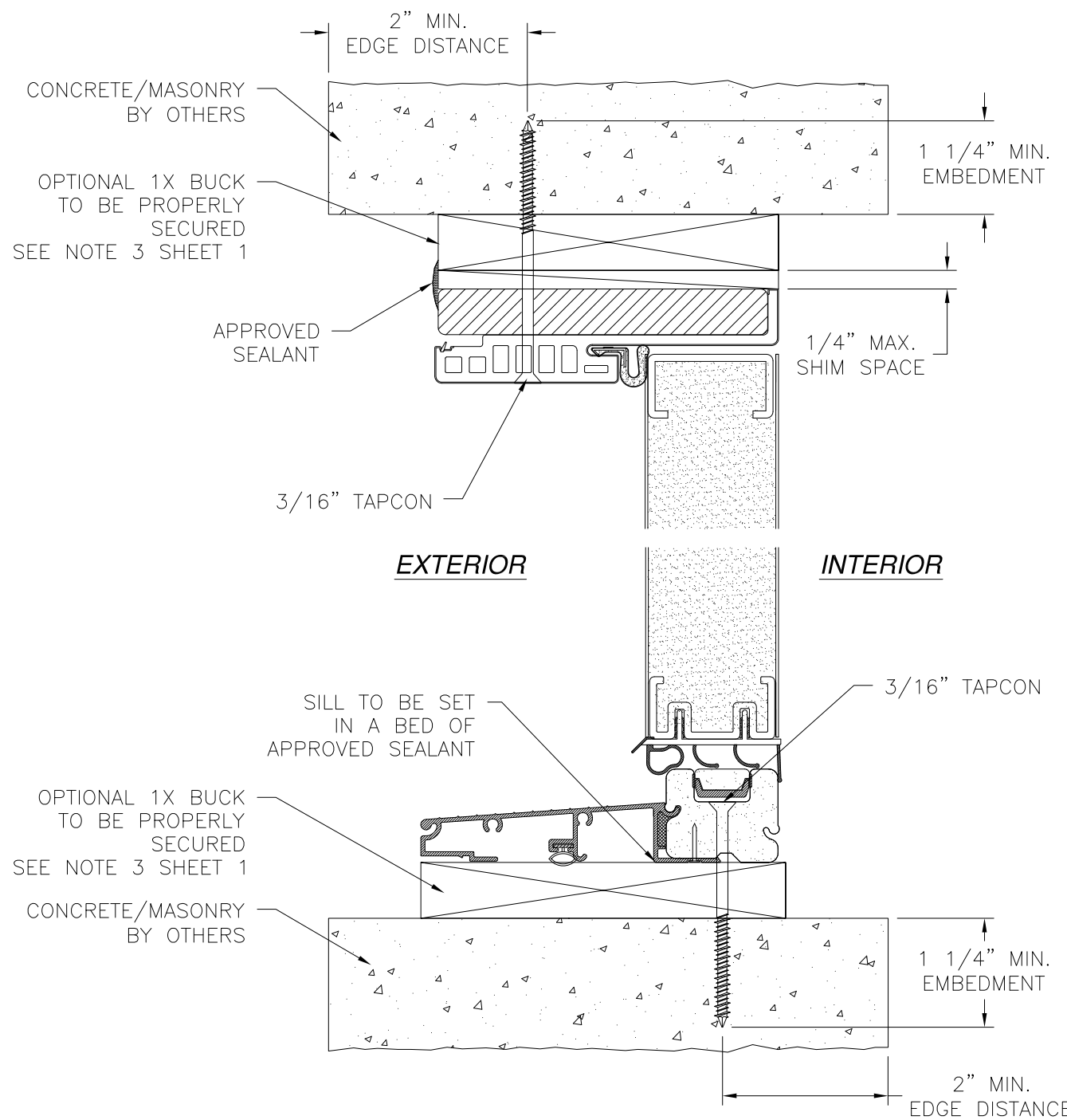
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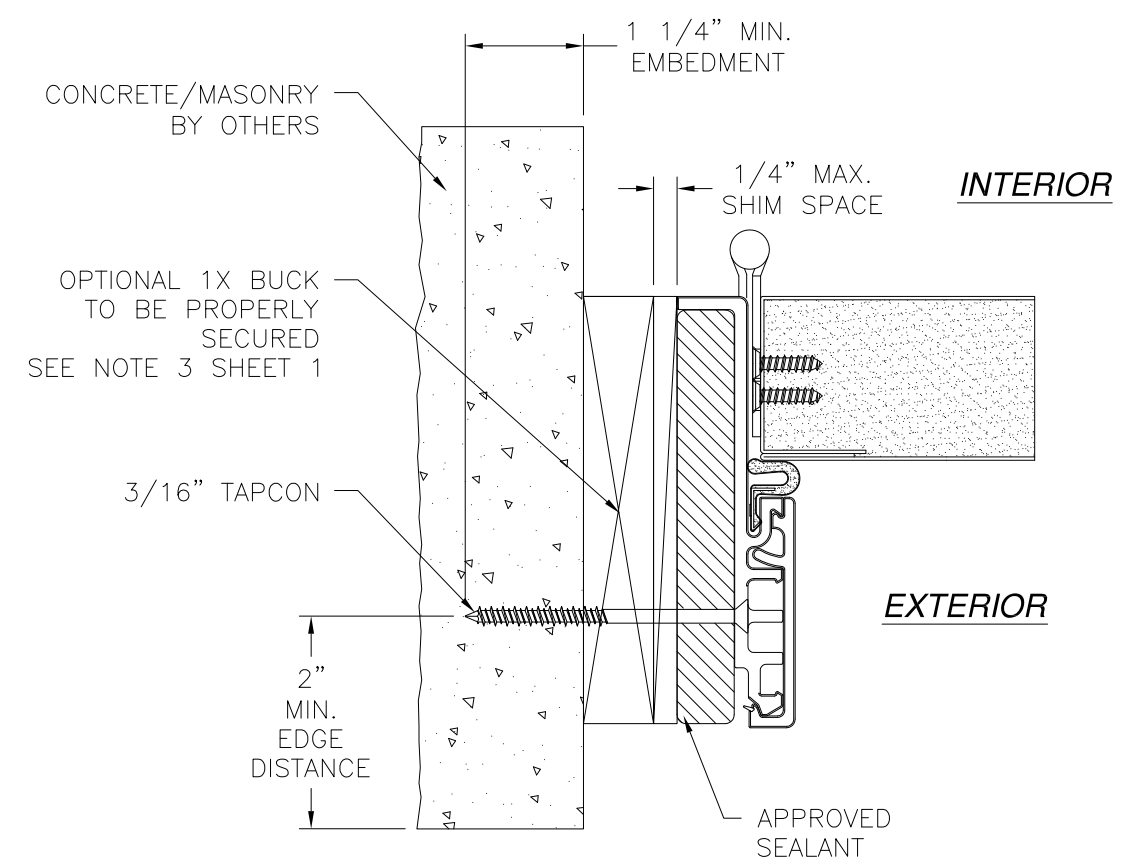


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

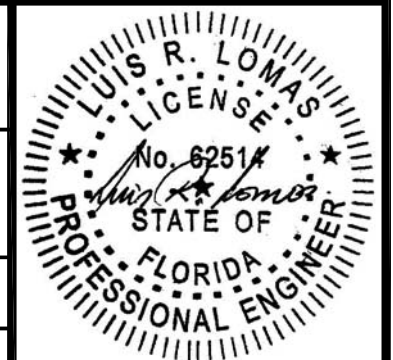


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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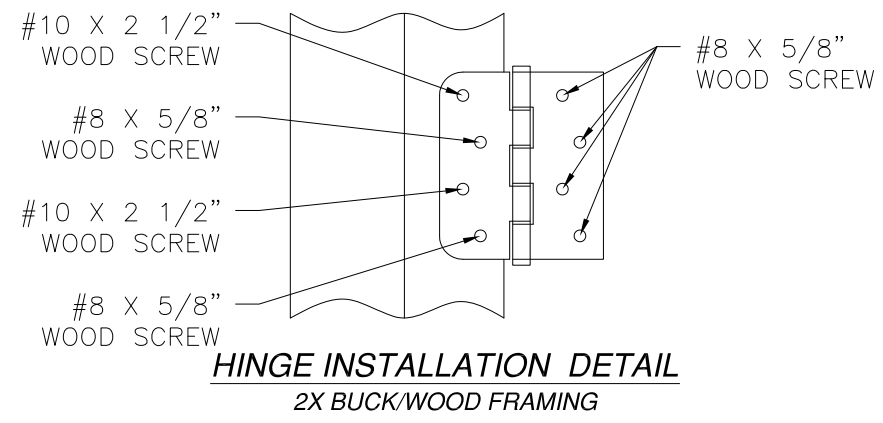
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| STEEL/FIBERGLASS INSWING OPAQUE DOOR SINGLE & DOUBLE - IMPACT INSTALLATION DETAILS W/FUSION FRAME | | |
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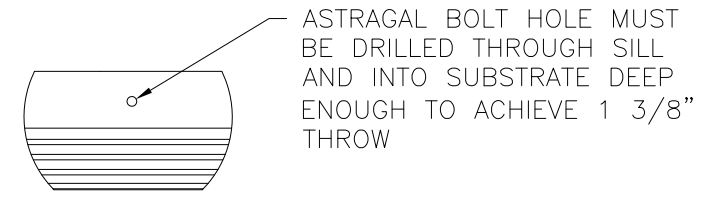


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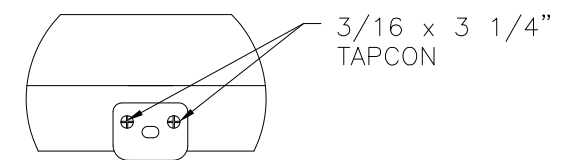
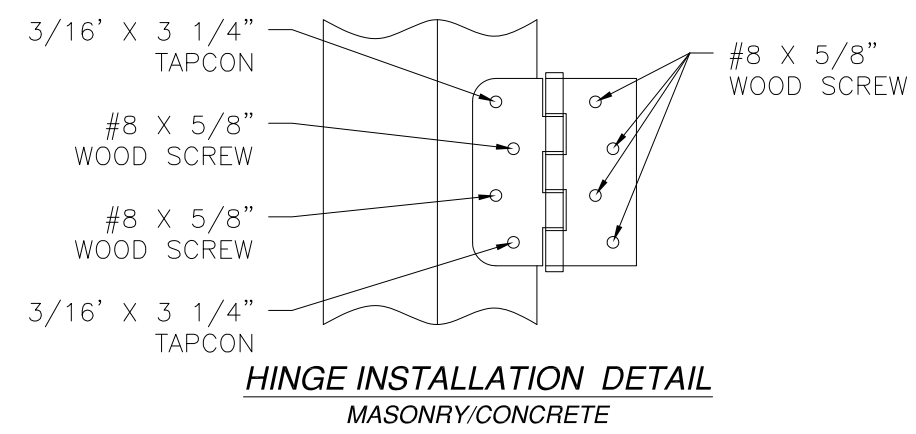
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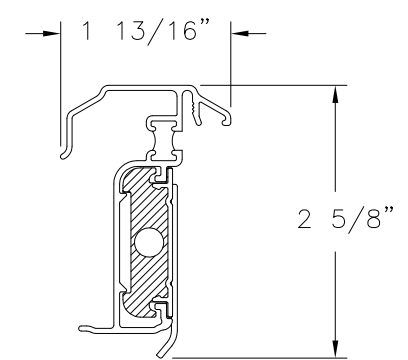
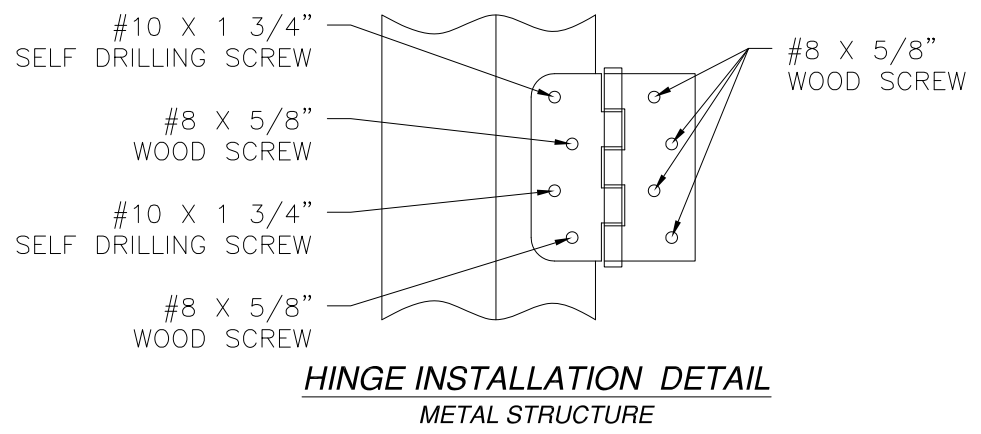
ASTRAGAL HEAD STRIKE DETAIL
2X BUCK/WOOD FRAMING
OR METAL STRUCTURE



ASTRAGAL SILL DETAIL



ASTRAGAL HEAD STRIKE DETAIL
MASONRY/CONCRETE



HURRICANE ASTRAGAL DETAIL

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STEEL/FIBERGLASS INSWING OPAQUE DOOR
SINGLE & DOUBLE – IMPACT
INSTALLATION DETAILS

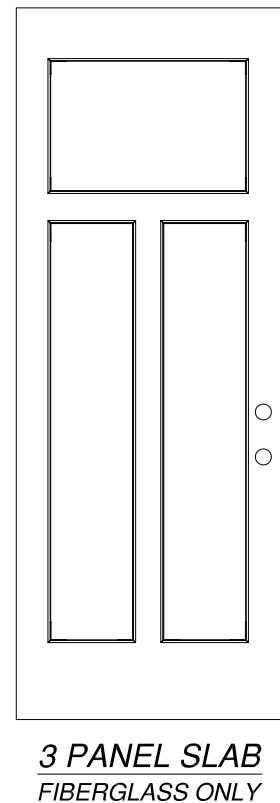
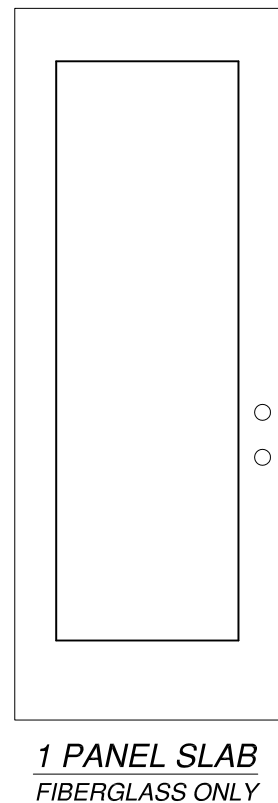
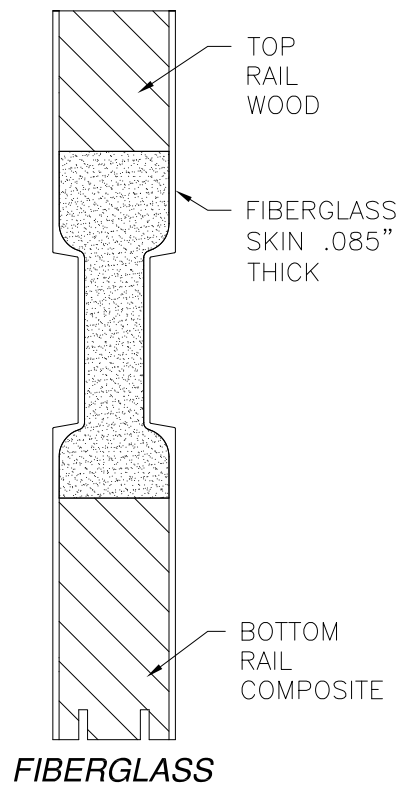
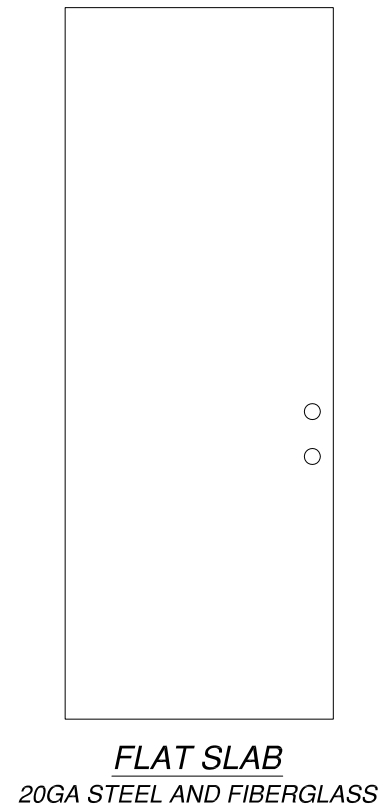
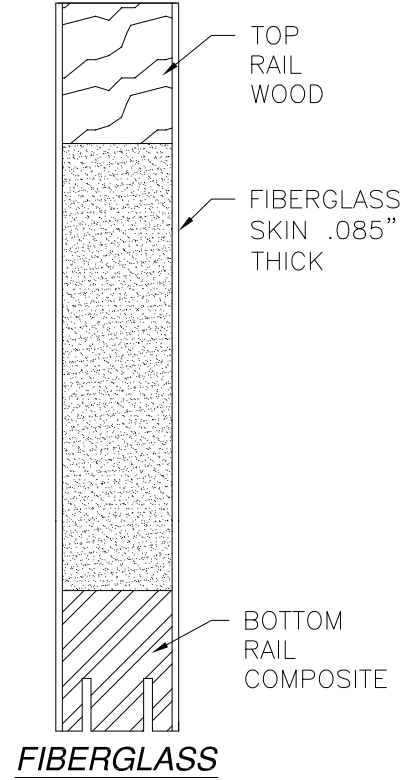
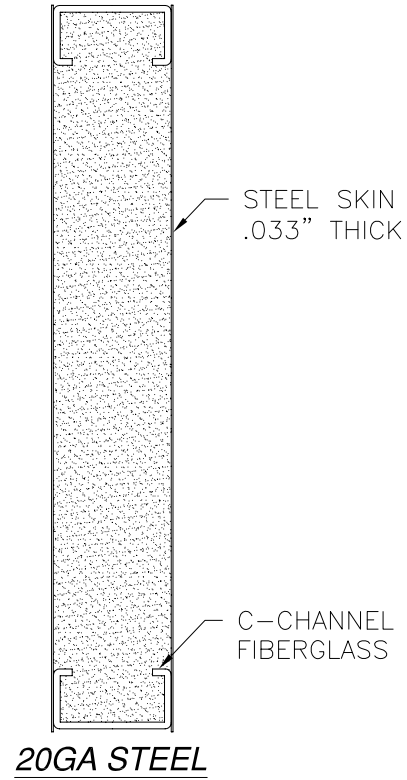
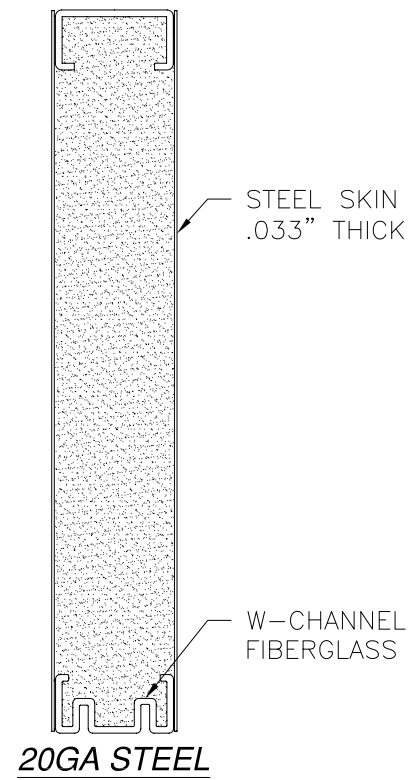
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1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

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APPROVED SLABS AND CROSS SECTIONS

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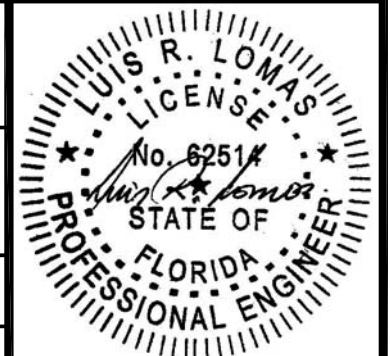
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2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING OPAQUE DOOR
SINGLE & DOUBLE - IMPACT
COMPONENTS, APPROVED SLABS

| | | |
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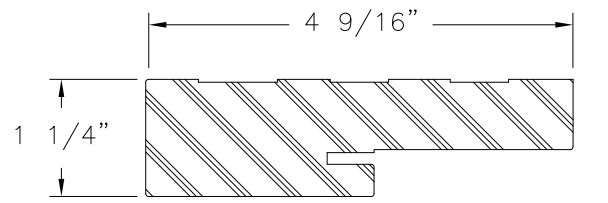
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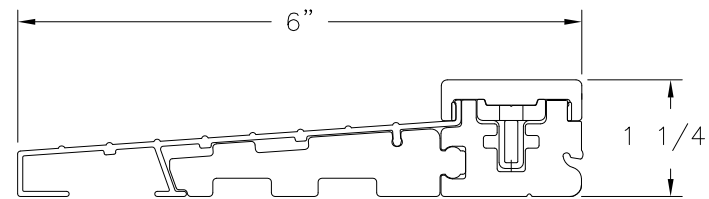


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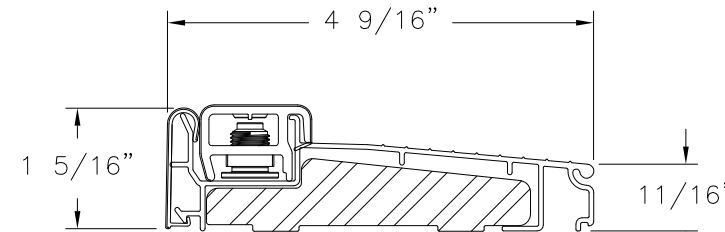
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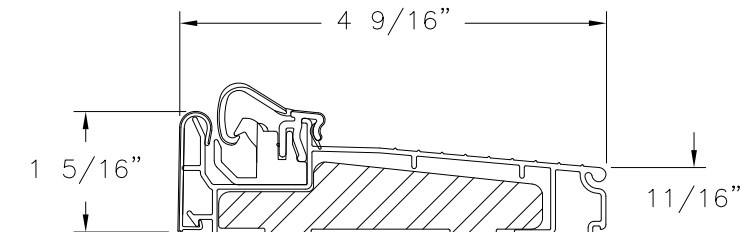
COMPOSITE FRAME PROFILE



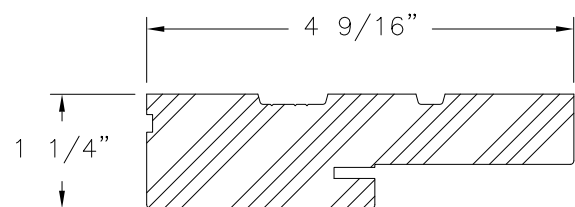
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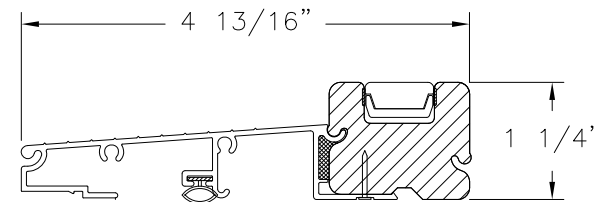
INSWING SILL ZAIL4565



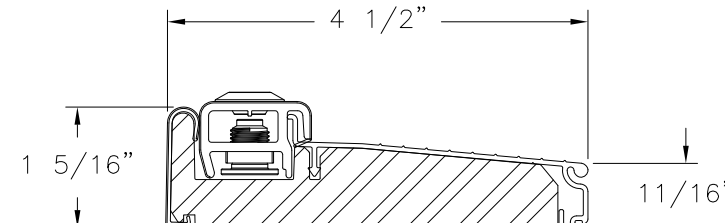
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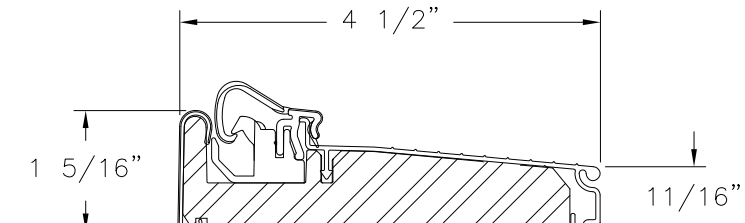
WOOD FRAME PROFILE



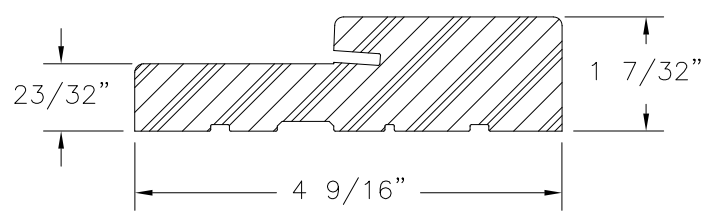
SAHARA INSWING THRESHOLD



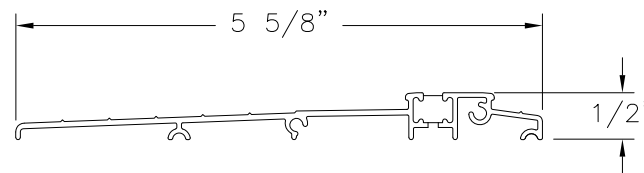
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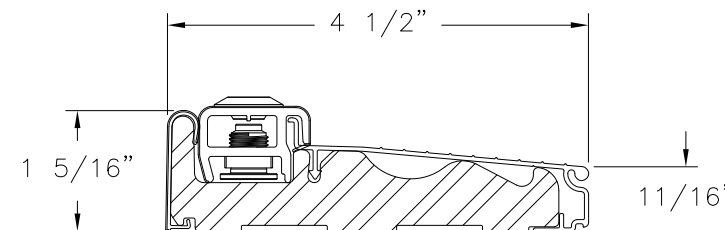
INSWING SILL ZAC4565F



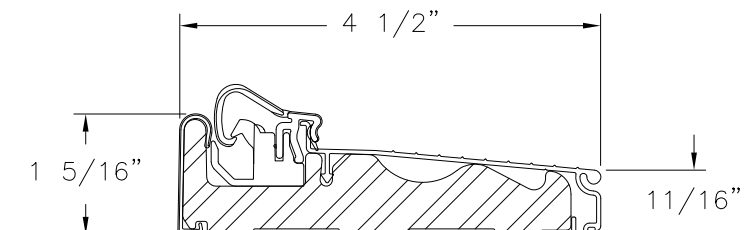
**FRAMESAVER
COMPOSITE**



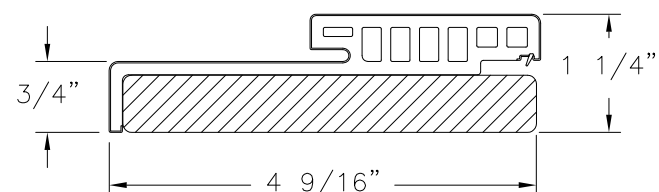
ADA THRESHOLD



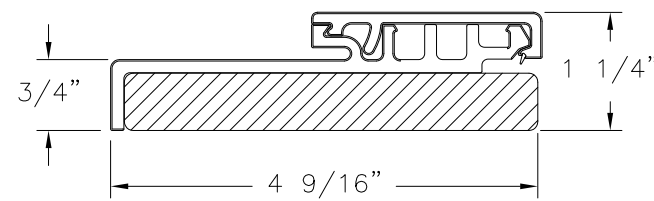
INSWING SILL ZAILH4565



INSWING SILL ZAACH4565



**HYBRID HEAD
WOOD/COMPOSITE**



**HYBRID JAMB
WOOD/COMPOSITE**

PROVIA, LLC.

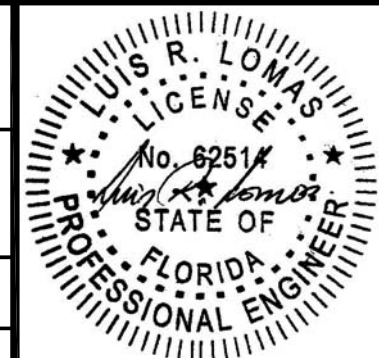
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

STEEL/FIBERGLASS INSWING OPAQUE DOOR
SINGLE & DOUBLE - IMPACT
COMPONENTS

| | | |
|----------------|---------------------|--------------|
| DRAWN: V.L. | DWG NO. 08-02034 | REV G |
| SCALE NTS | DATE 03/05/13 | SHEET 9 OF 9 |

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

SIGNED: 01/27/2021



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