

| REVISIONS |                           |          |          |
|-----------|---------------------------|----------|----------|
| REV       | DESCRIPTION               | DATE     | APPROVED |
| I         | REVISED HARDWARE SCHEDULE | 09/11/26 | 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. 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. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
5. 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.
6. 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)
7. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
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. 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.
10. 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.
11. 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.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. 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:

13.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

13.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.

13.3. MASONRY – STRENGTH CONFORMANCE TO ASTM C–90, GRADE N, TYPE 1 (OR GREATER).

13.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063–T5 .048” THICK MINIMUM

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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  
I

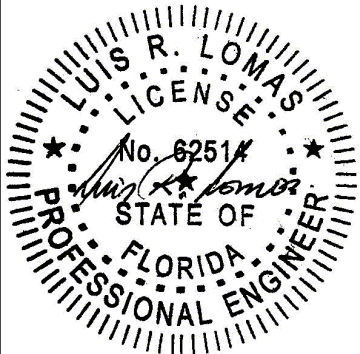
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DATE 03/05/13

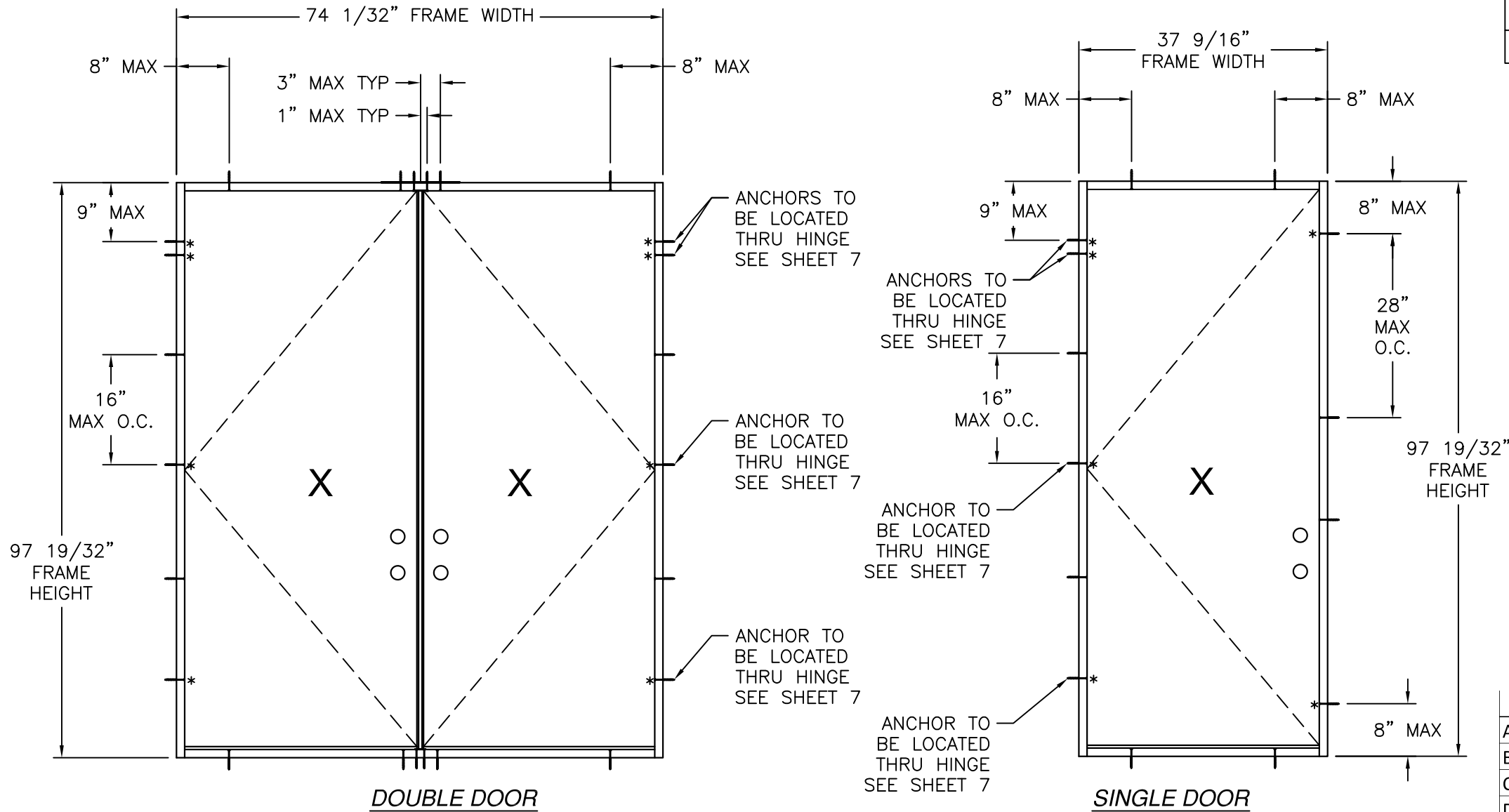
SHEET 1 OF 9

L. ROBERTO LOMAS P.E.  
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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/11/2026



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

| WITH PANOLOCK MULTI-POINT |                      |
|---------------------------|----------------------|
| DESIGN PRESSURE RATING    | IMPACT RATING        |
| ±50.0PSF                  | LARGE MISSILE IMPACT |

MISSILE LEVEL D, WIND ZONE 3

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

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| Anchors and anchor connectors corrosion resistance chart |                                                        |                                                        |
|----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Exposure                                                 | Distance from coastal shoreline                        |                                                        |
|                                                          | 0' up to 300'                                          | >300' up to 3000'                                      |
| Exterior - partially sheltered                           | 304 or A305 or 306 Stainless steel per ASTM A240       | Galvanized per ASTM A153 class D or ASTM A641 class 3S |
| Exterior - open exposed                                  | 304 or A305 or 306 Stainless steel per ASTM A240       | Galvanized per ASTM A153 class D or ASTM A641 class 3S |
| Unconditioned interior-vented enclosed                   | Galvanized per ASTM A153 class D or ASTM A641 class 3S | Galvanized per ASTM A153 class D or ASTM A641 class 3S |
| Unconditioned interior-unvented enclosed                 | Galvanized per ASTM A153 class D or ASTM A641 class 3S | Galvanized per ASTM A153 class D or ASTM A641 class 3S |

- 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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STEEL/FIBERGLASS INSWING OPAQUE DOOR  
SINGLE & DOUBLE – IMPACT  
ELEVATIONS

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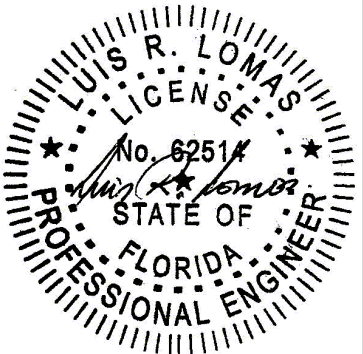
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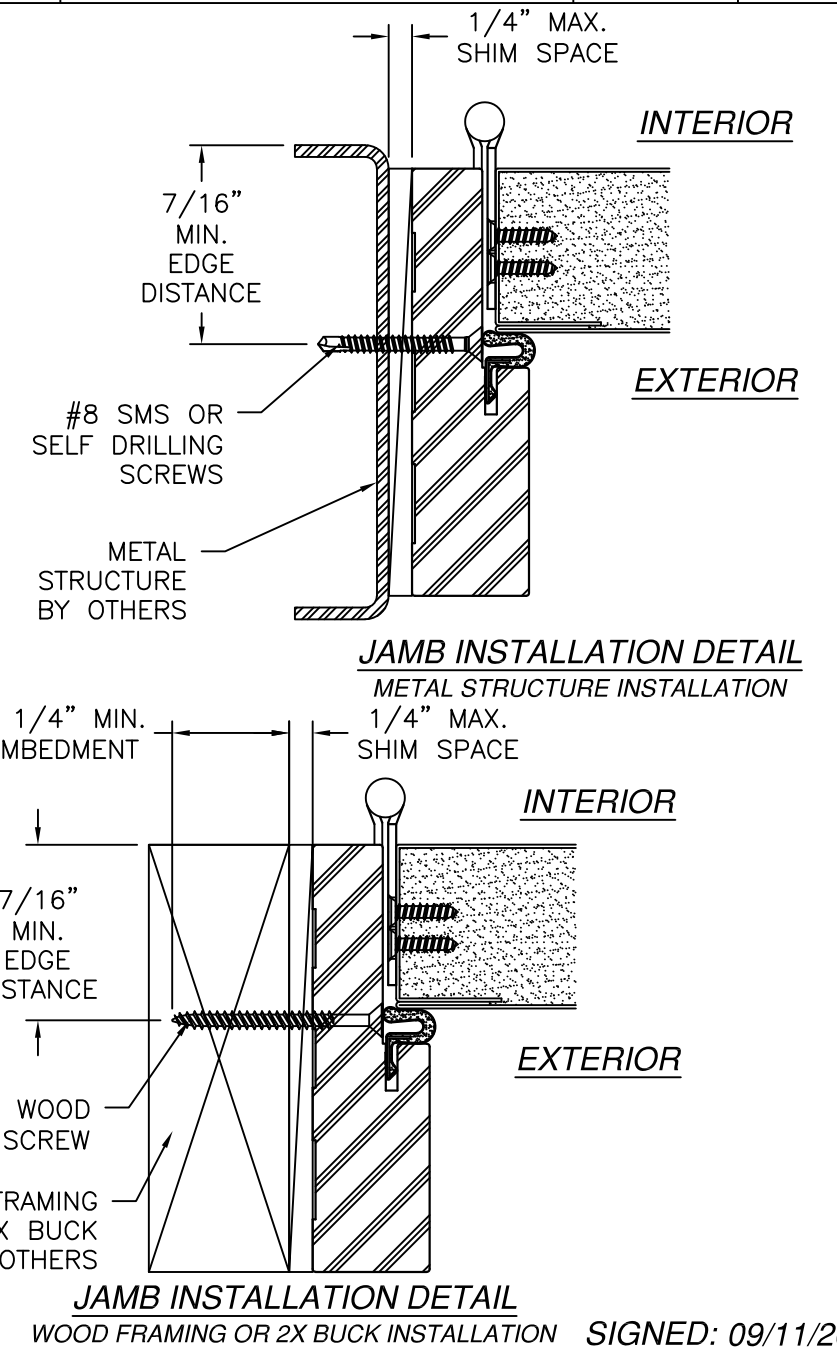
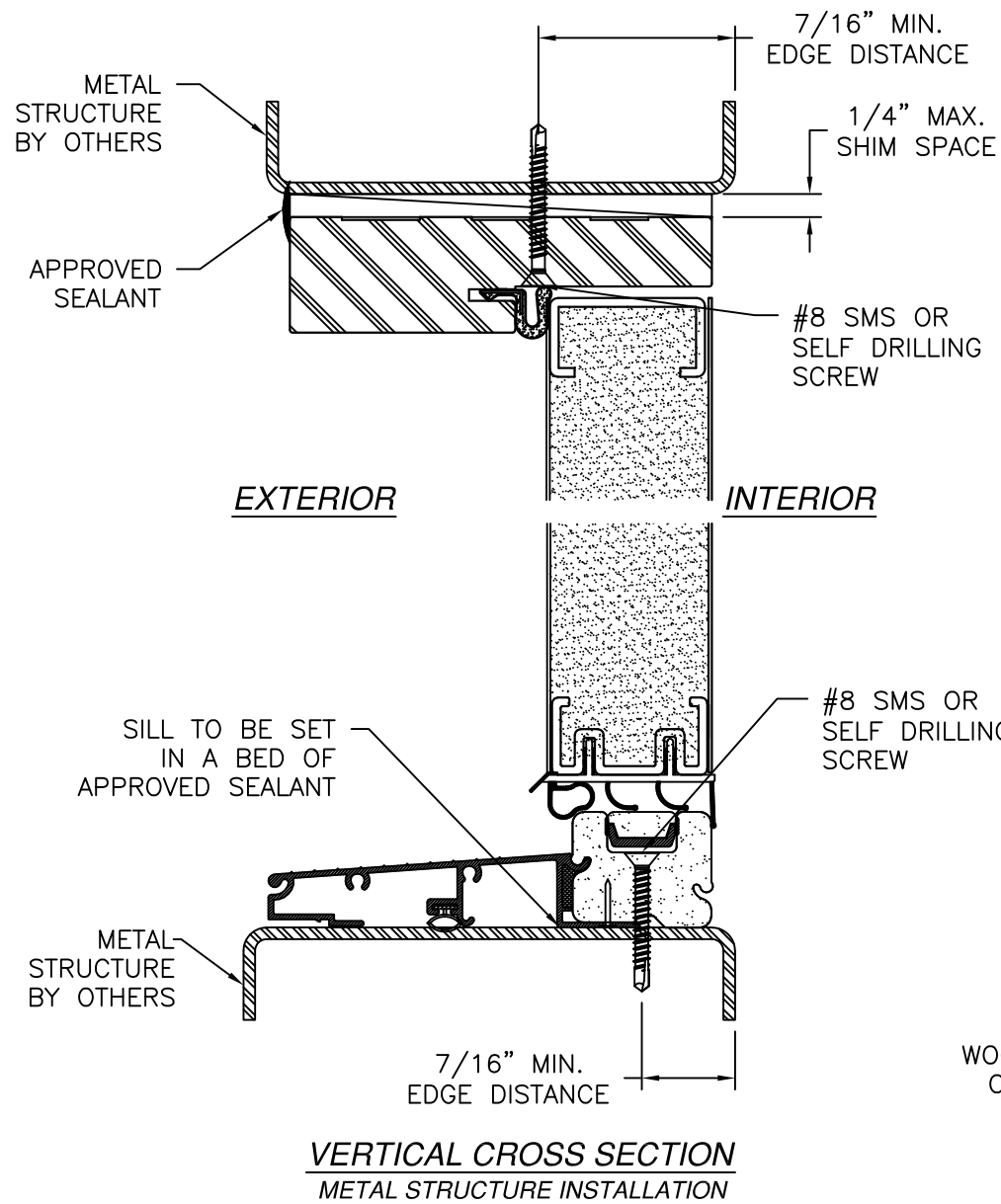
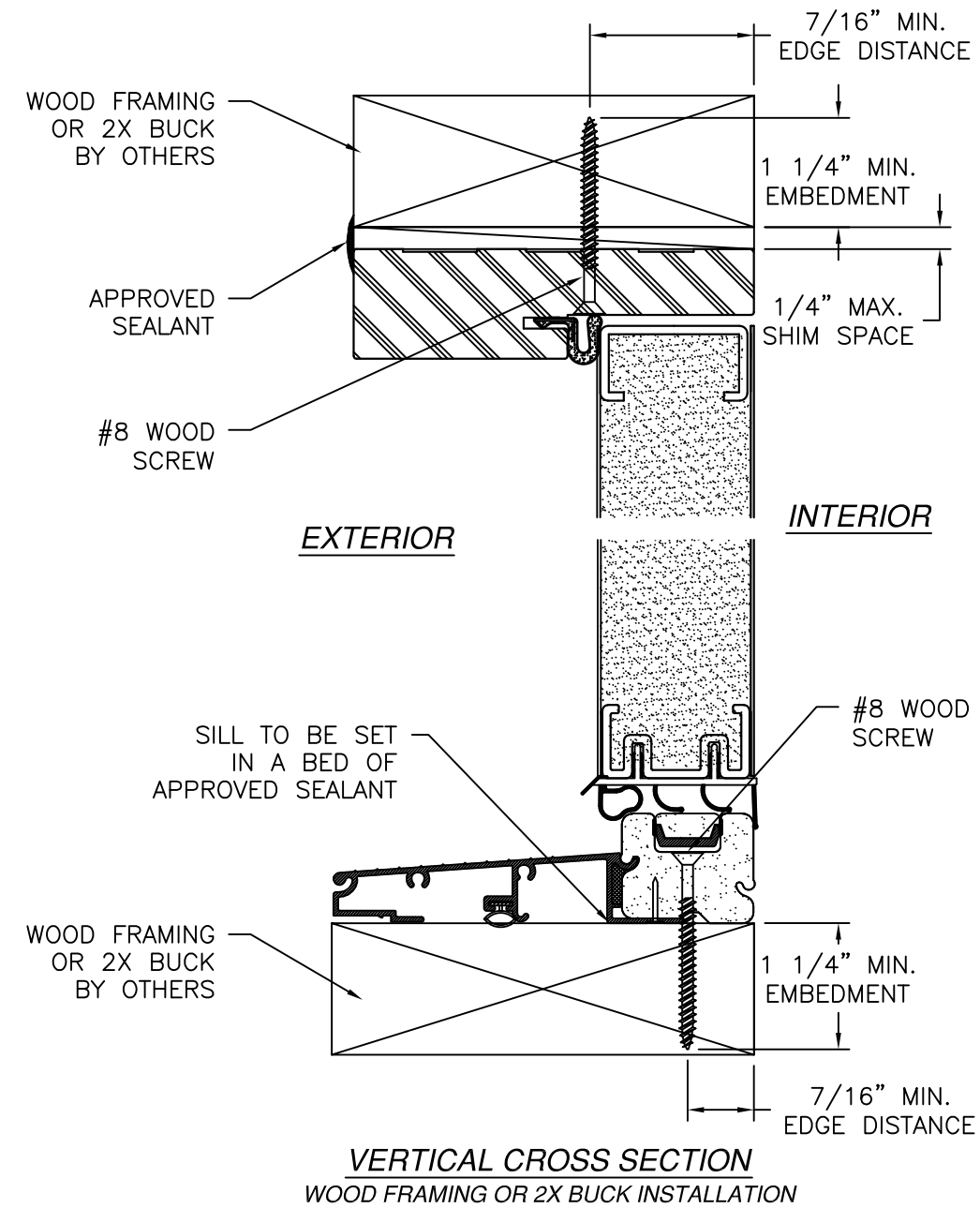
SHEET  
2 OF 9

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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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2150 STATE ROUTE 39 WEST  
SUGARCREEK, OH 44681

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

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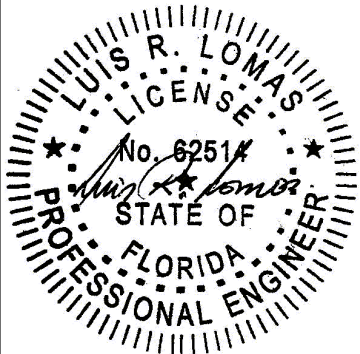
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SHEET 3 OF 9

L. ROBERTO LOMAS P.E.

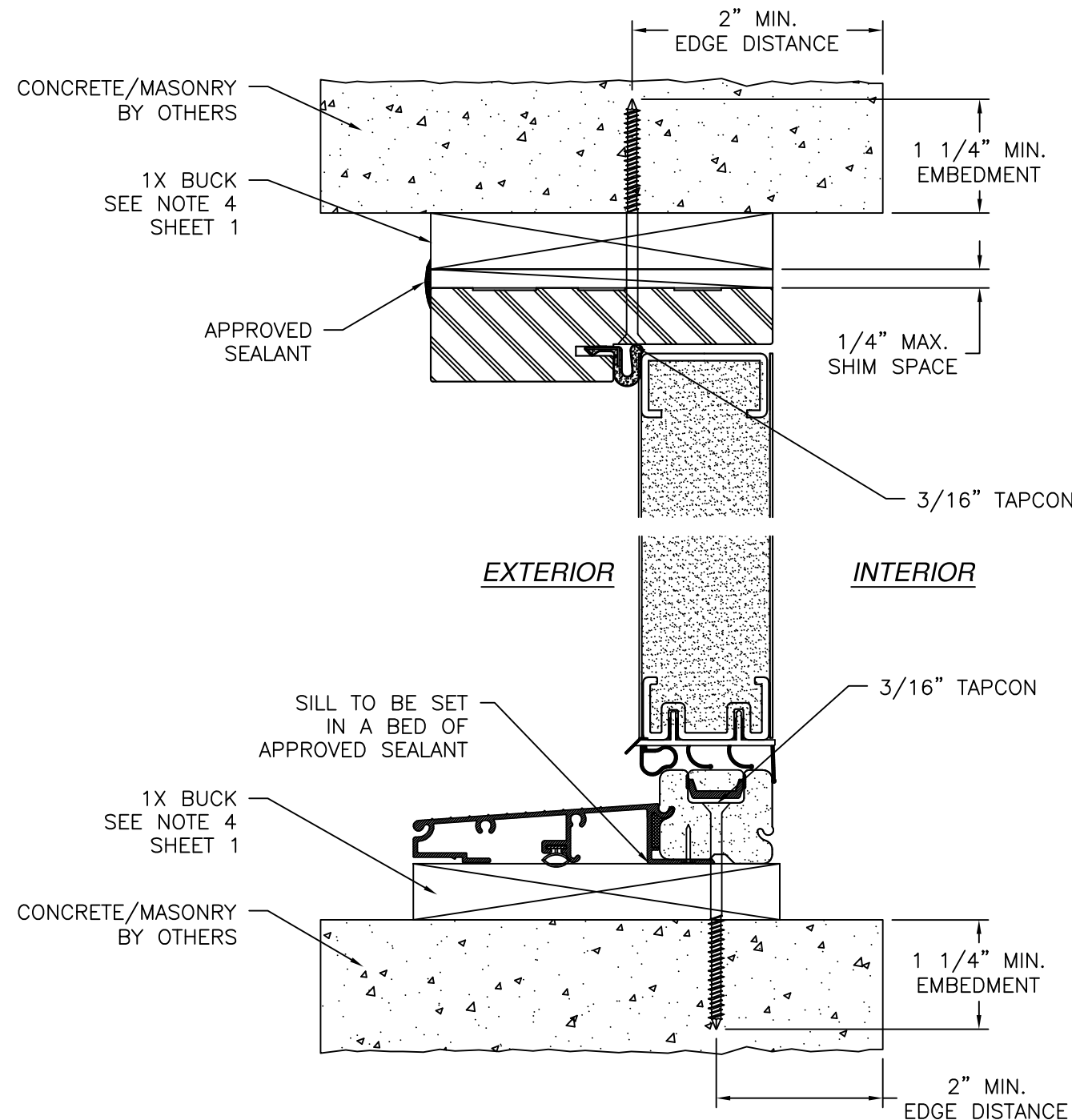
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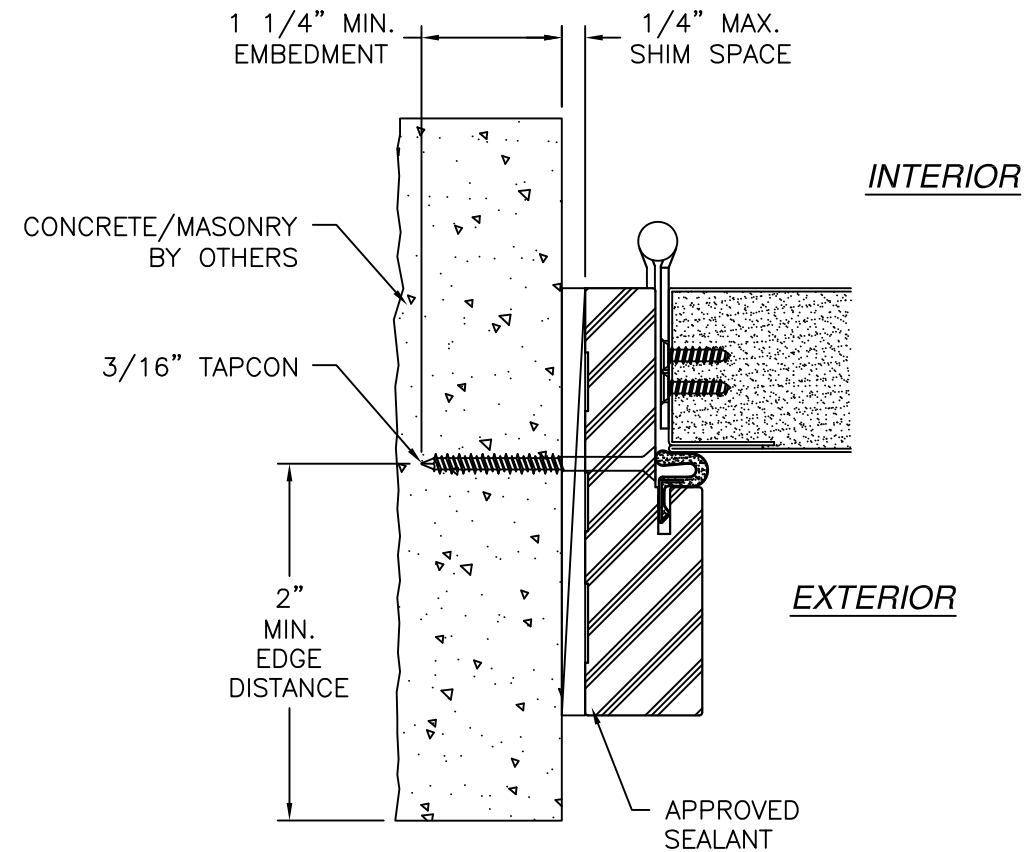
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**VERTICAL CROSS SECTION**  
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION  
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO  
 JAMB INSTALLATION DETAIL

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**JAMB INSTALLATION DETAIL**  
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION  
 FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO  
 HEAD AND SILL INSTALLATION DETAILS

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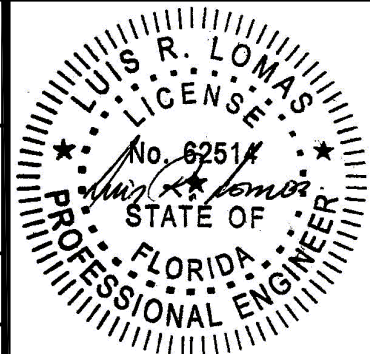
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L. ROBERTO LOMAS P.E.

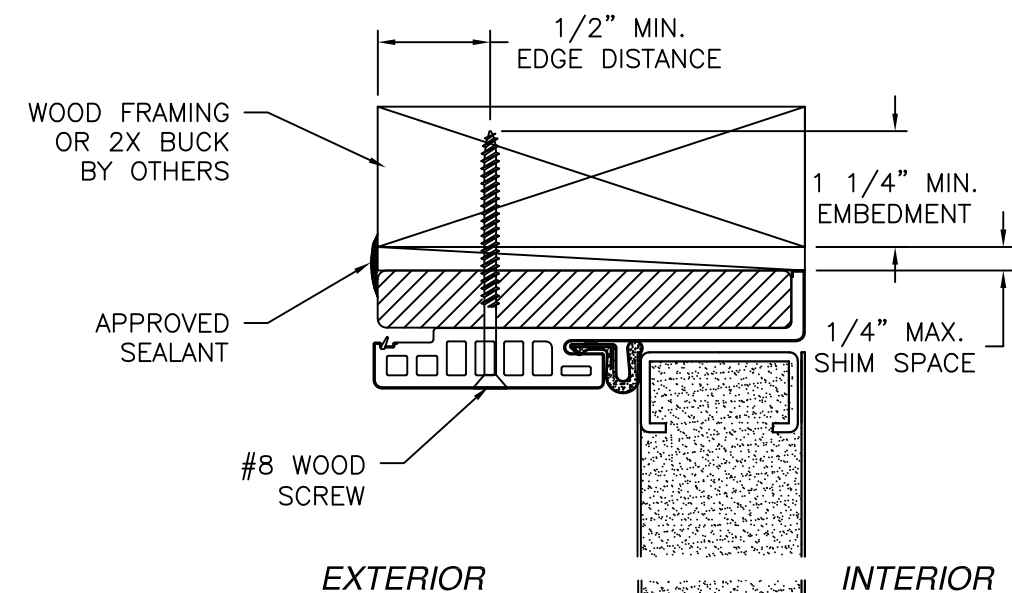
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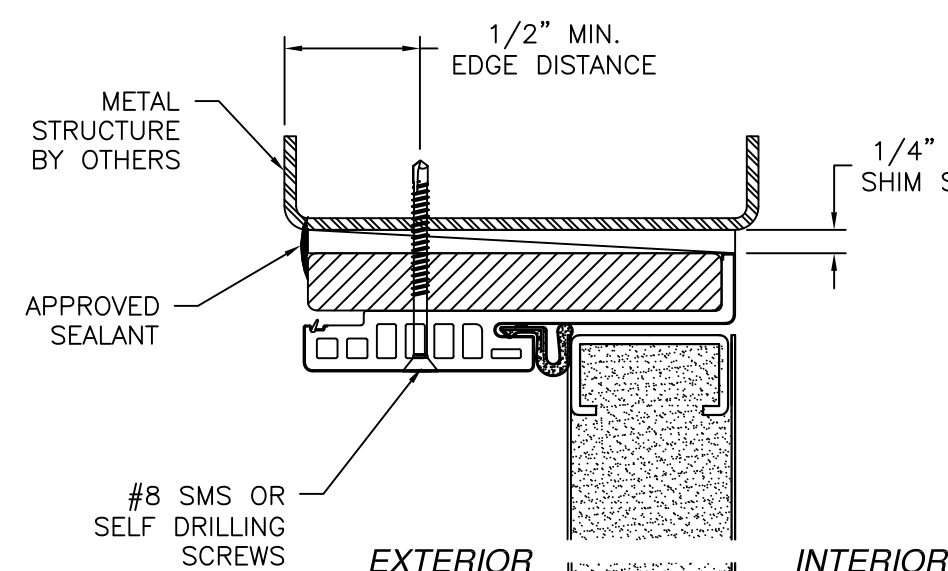


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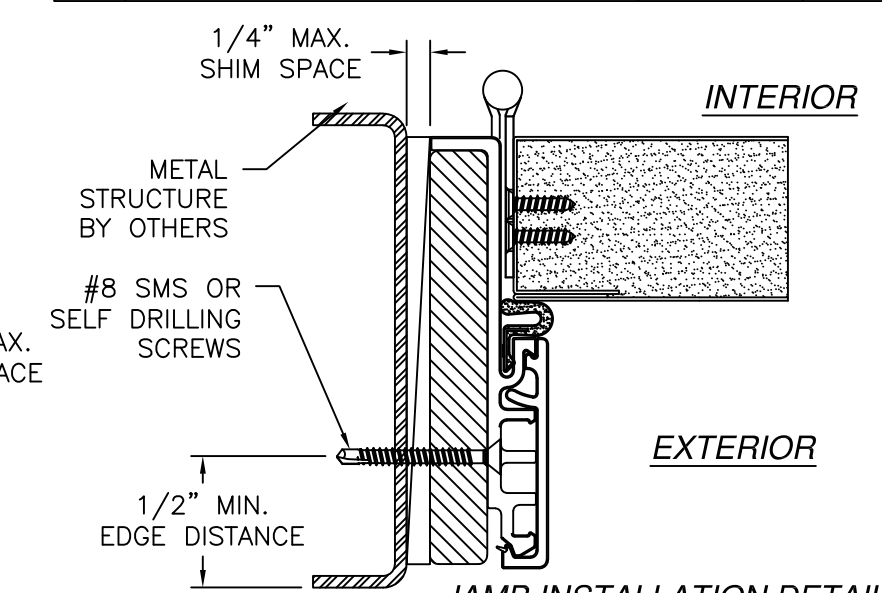
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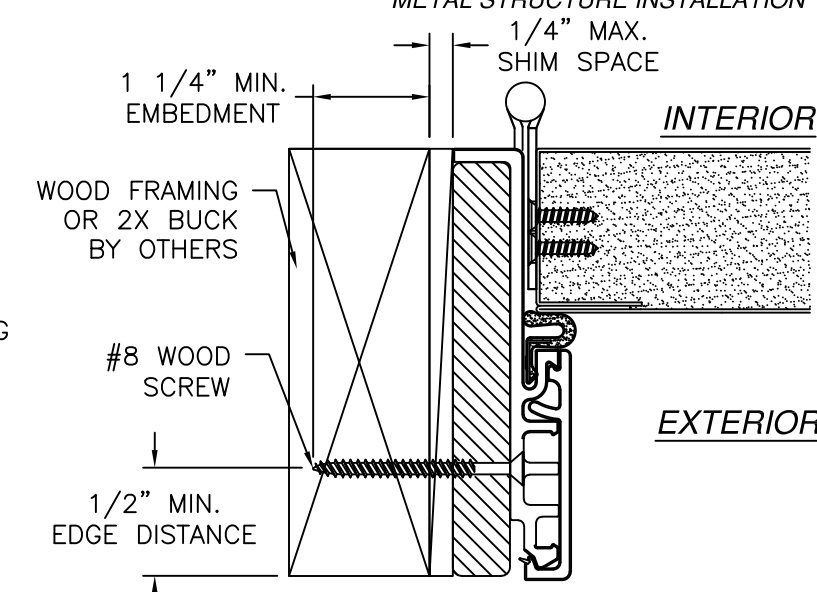
**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



**JAMB INSTALLATION DETAIL**  
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SINGLE & DOUBLE – IMPACT  
INSTALLATION DETAILS W/FUSION FRAME

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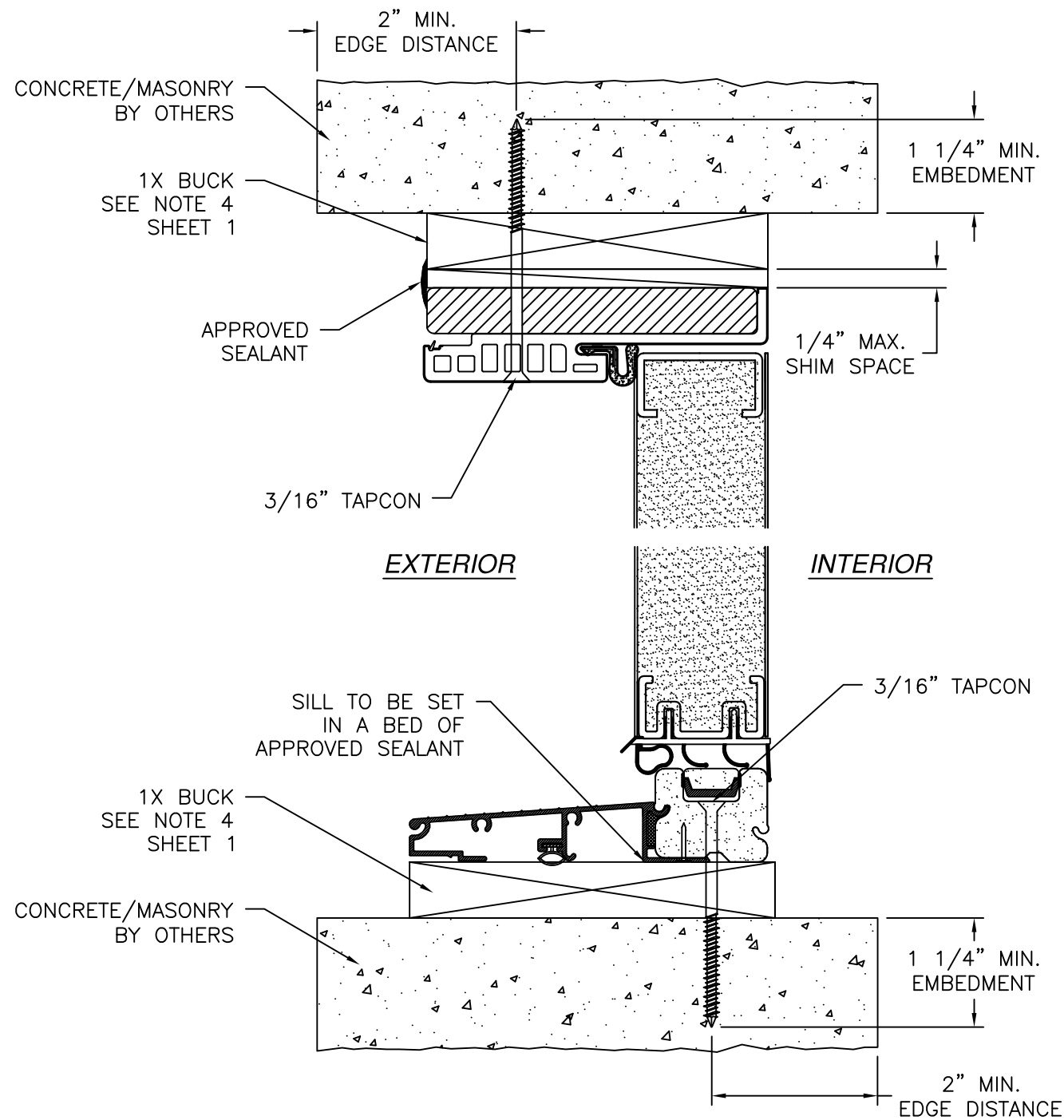
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PROFESSIONAL ENGINEER

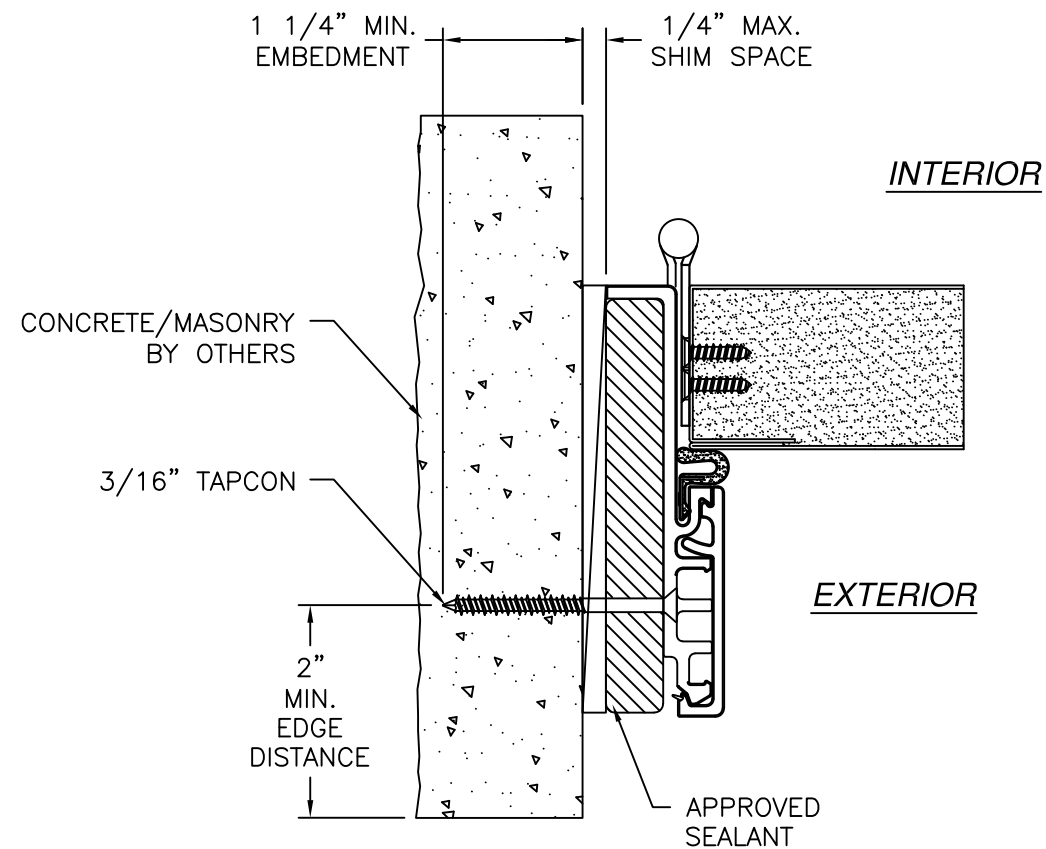
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 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO  
 JAMB INSTALLATION DETAIL



**JAMB INSTALLATION DETAIL**  
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION  
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INSTALLATION DETAILS W/FUSION FRAME

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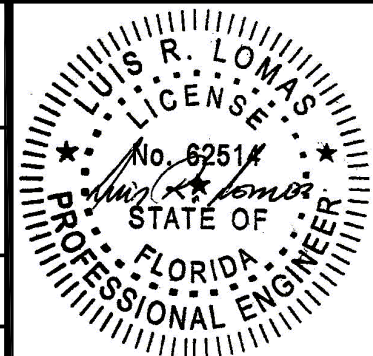
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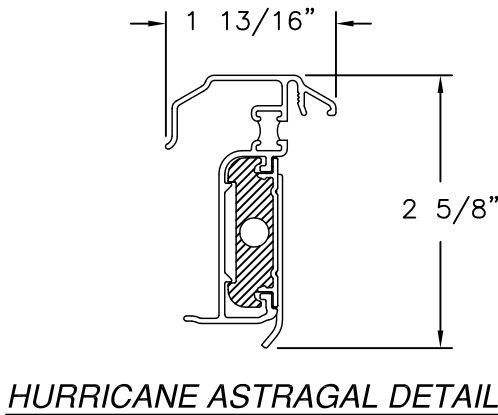
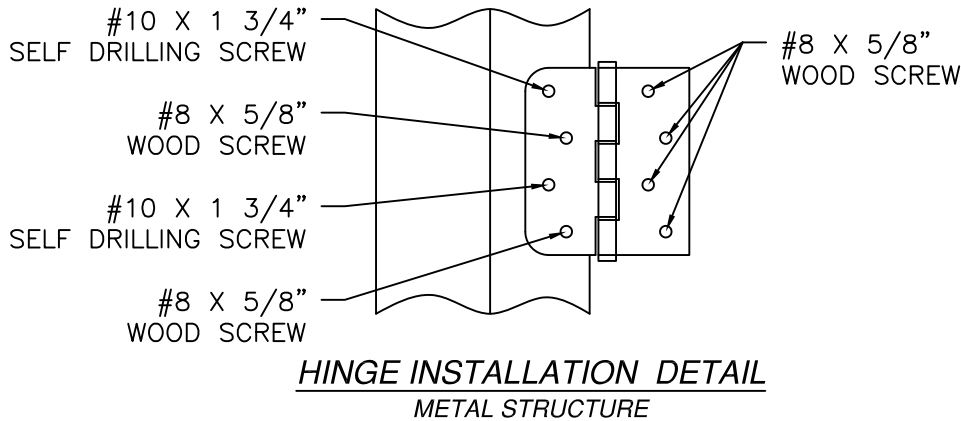
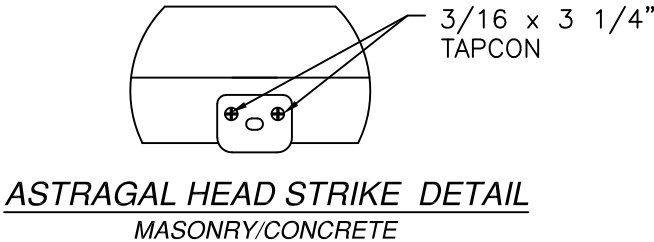
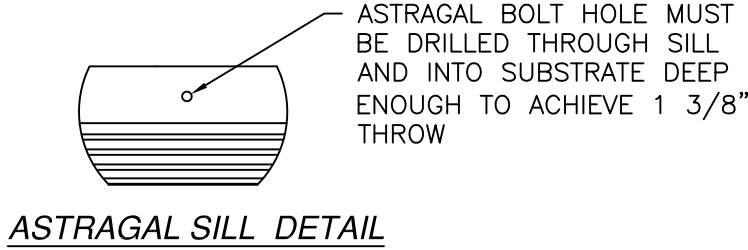
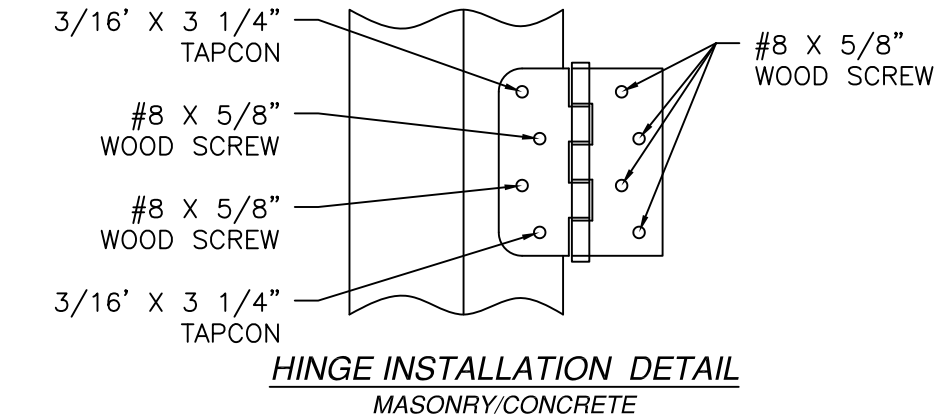
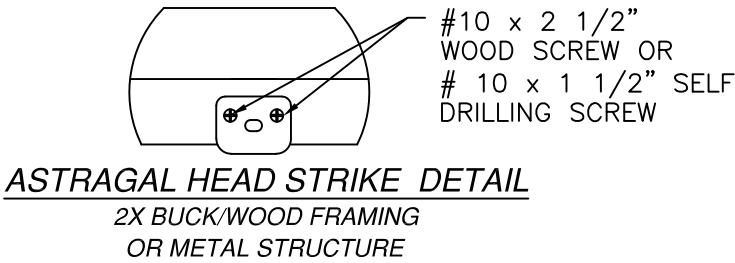
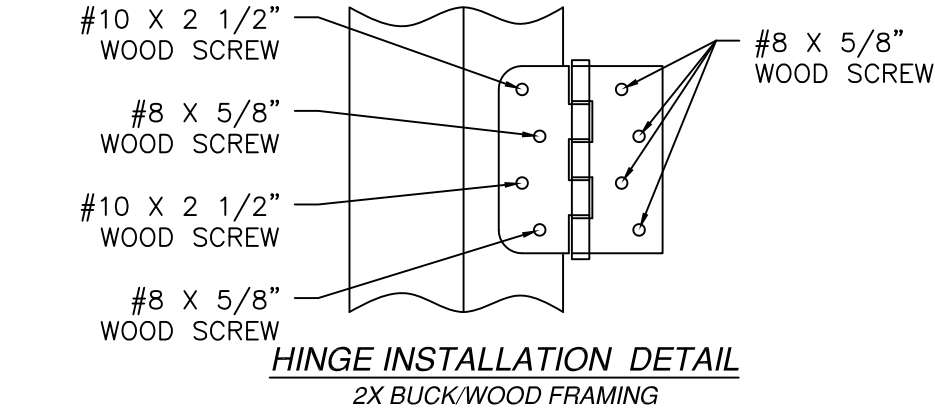
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SINGLE & DOUBLE – IMPACT  
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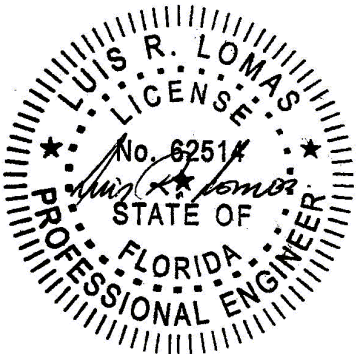
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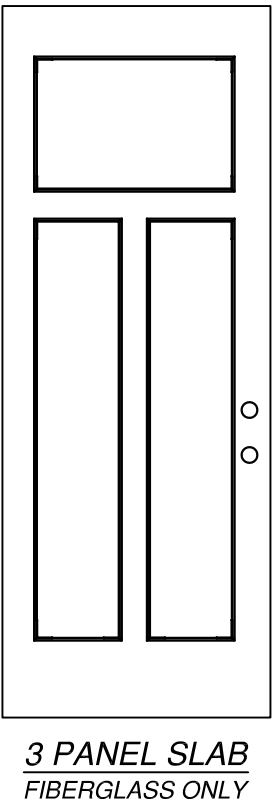
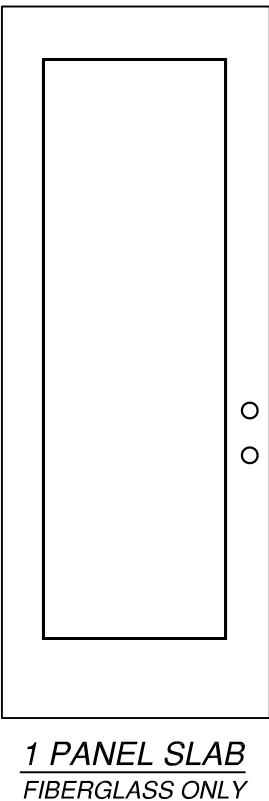
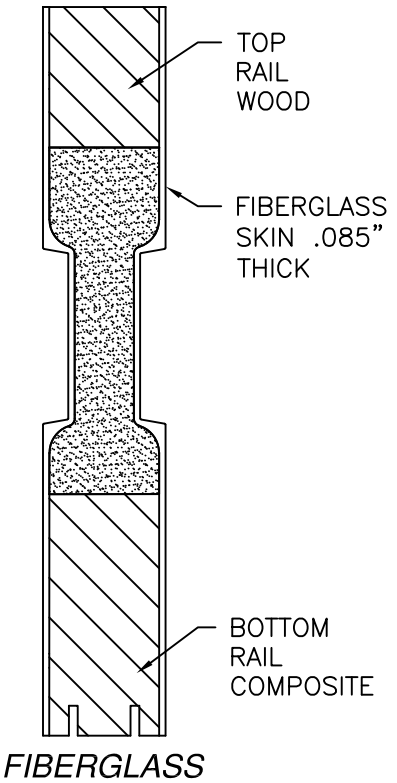
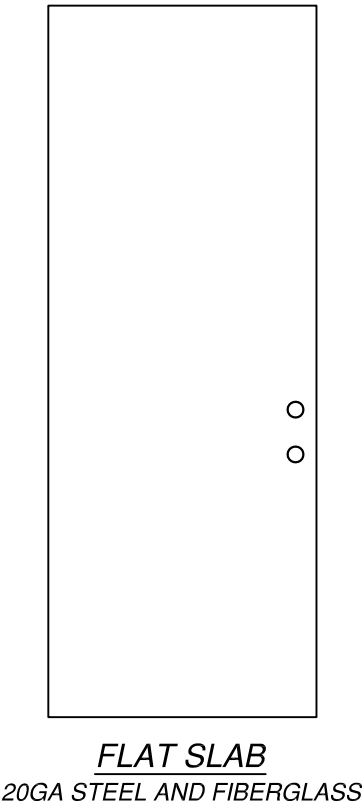
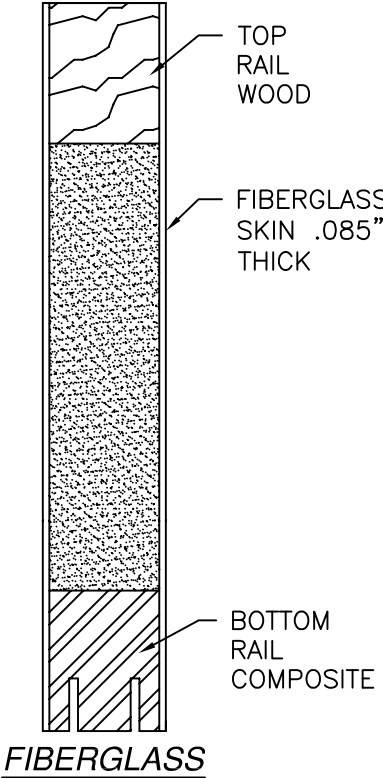
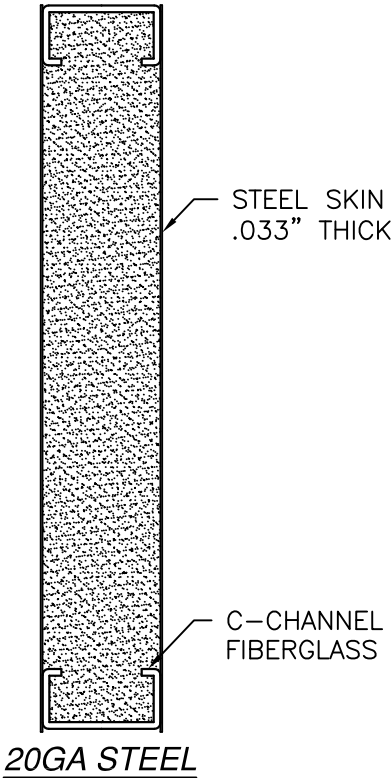
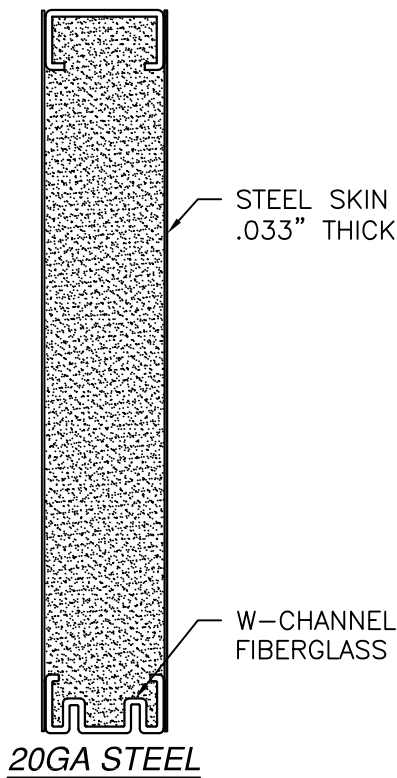
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APPROVED SLABS AND CROSS SECTIONS

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SINGLE & DOUBLE – IMPACT  
COMPONENTS, APPROVED SLABS

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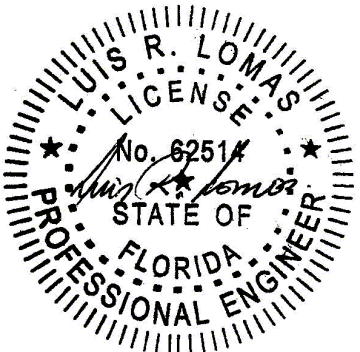
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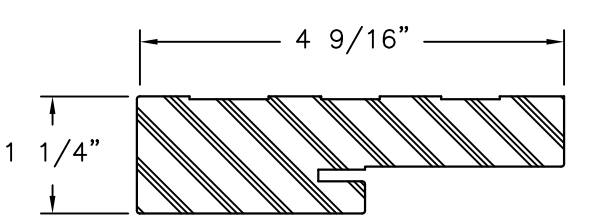
SHEET 8 OF 9

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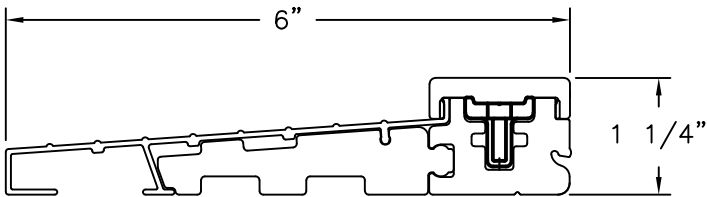


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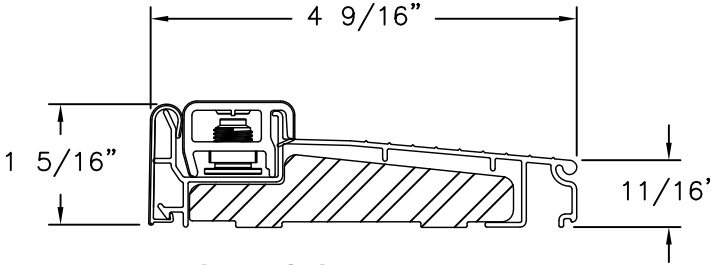
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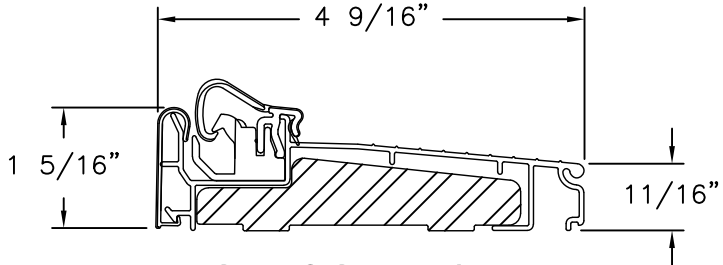
COMPOSITE FRAME PROFILE



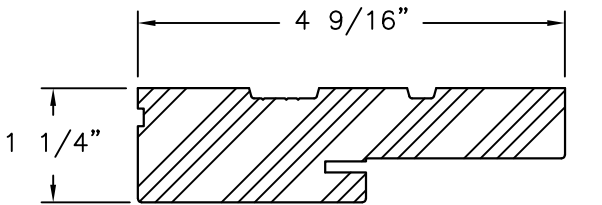
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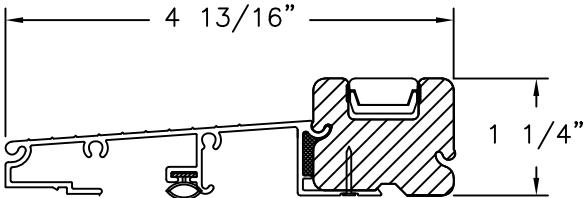
INSWING SILL ZAIL4565



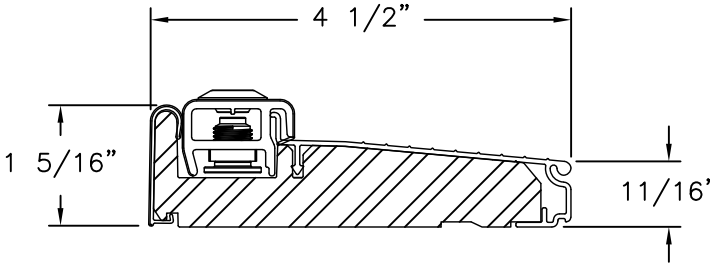
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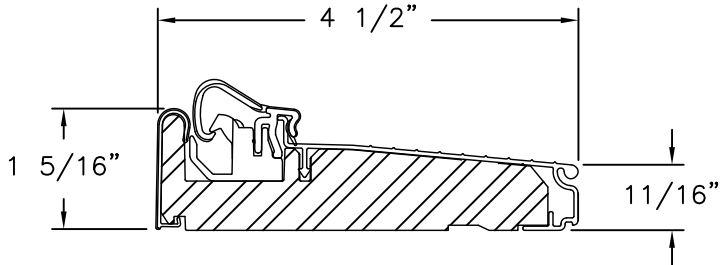
WOOD FRAME PROFILE



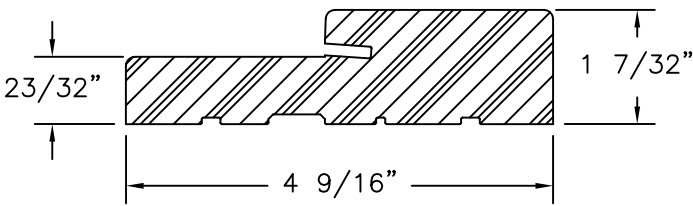
SAHARA INSWING THRESHOLD



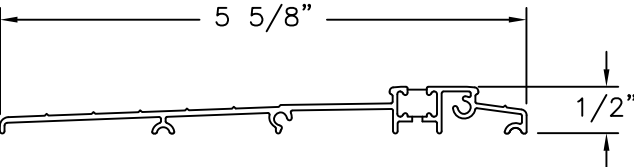
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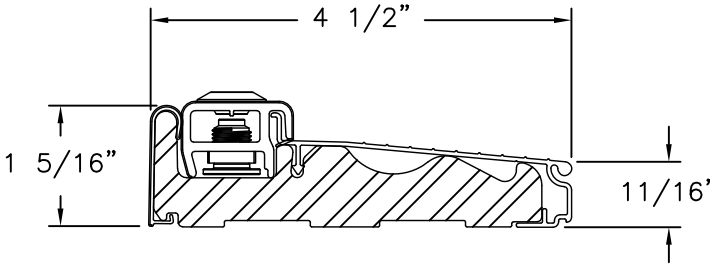
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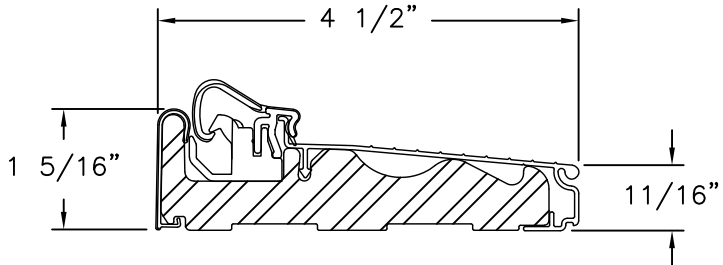
FRAMESAVER  
COMPOSITE



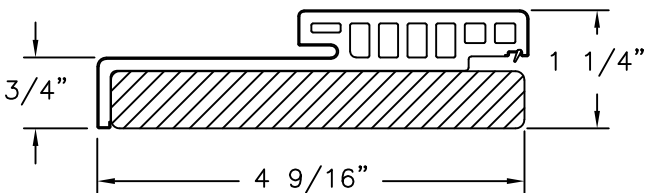
ADA THRESHOLD



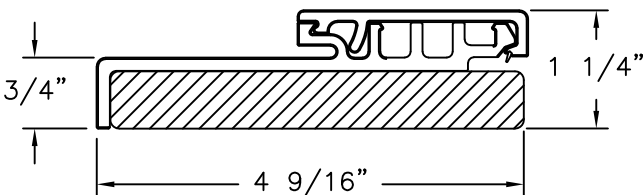
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INSWING SILL ZA4LH4565



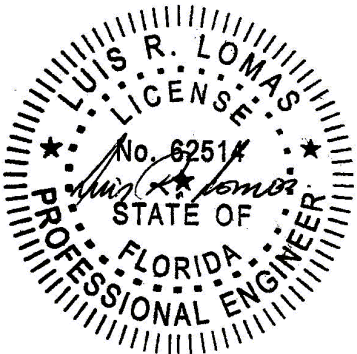
HYBRID HEAD  
WOOD/COMPOSITE



HYBRID JAMB  
WOOD/COMPOSITE

|                                                                                                   |                     |              |
|---------------------------------------------------------------------------------------------------|---------------------|--------------|
| PROVIA, LLC.<br>2150 STATE ROUTE 39 WEST<br>SUGARCREEK, OH 44681                                  |                     |              |
| STEEL/FIBERGLASS INSWING OPAQUE DOOR<br>SINGLE & DOUBLE – IMPACT<br>COMPONENTS                    |                     |              |
| DRAWN:<br>V.L.                                                                                    | DWG NO.<br>08-02034 | REV<br>I     |
| SCALE NTS                                                                                         | DATE 03/05/13       | SHEET 9 OF 9 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |              |

SIGNED: 09/11/2026



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