

| REVISIONS |             |            |          |
|-----------|-------------|------------|----------|
| REV       | DESCRIPTION | DATE       | APPROVED |
| D         | ADDED SILLS | 01/07/2020 | R.L.     |

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. WOOD FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 4) GLAZED UNITS MUST BE GLAZED PER ASTM E1300-04/09 WITH SAFETY GLAZING.
- 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) 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".
- 7) FOR ANCHORING INTO 2X BUCK OR WOOD FRAMING USE #6 WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ANCHORING LAYOUT AND INSTALLATION DETAILS.
- 8) ALL FASTENERS TO BE CORROSION RESISTANT.
- 9) INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES:  
A. WOOD - G=0.42 MINIMUM SPECIFIC GRAVITY
- 10) FRAME MATERIAL: 18GA MIN. GALVANIZED STEEL BASE AND 19GA MIN. GALVANIZED STEEL CLOSER
- 11) ALL APPROVED DOOR PANELS MUST BE MANUFACTURED BY PROVIA DOOR, INC.
- 12) UNITS MAY BE INSTALLED WITH EITHER SCHLAGE F-SERIES DOOR KNOB AND F OR B-SERIES DEADBOLT OR EMTEK RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY OR MULTI-POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM, SEE HARDWARE SCHEDULE SHEET 2 FOR APPROVED HARDWARE.
- 13) HEAD BASE AND JAMB BASE ARE COPEDED BUTTED AND JOINED WITH A TAB AND SLOT CONNECTION. THRESHOLD IS ATTACHED TO JAMBS WITH (2) #8 x 1 1/4" PPH SCREWS AT EACH END. HEAD BASE HAS THREE WELD PLATES SPOT WELDED ACROSS FRAME AT 7 3/4" FROM ENDS AND ONE AT CENTER. JAMBS HAVE SIX WELD PLATES SPOT WELDED ACROSS FRAME AT 2 15/16" FROM ENDS WITH FOUR MORE EQUALLY SPACED.

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PROVIA, LLC.  
2150 STATE ROUTE 39 WEST  
SUGARCREEK, OH 44681

REDIFLEX 18GA STEEL 2-PIECE FRAME  
SINGLE DOOR IS/OS NON-IMPACT  
NOTES

DRAWN:  
TJH

DWG NO.  
08-00995

REV  
D

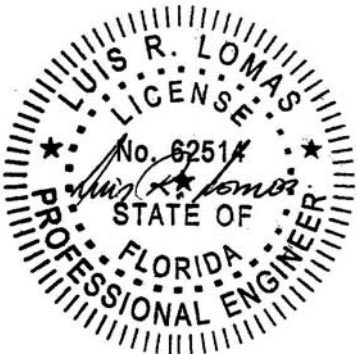
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DATE 04/30/10

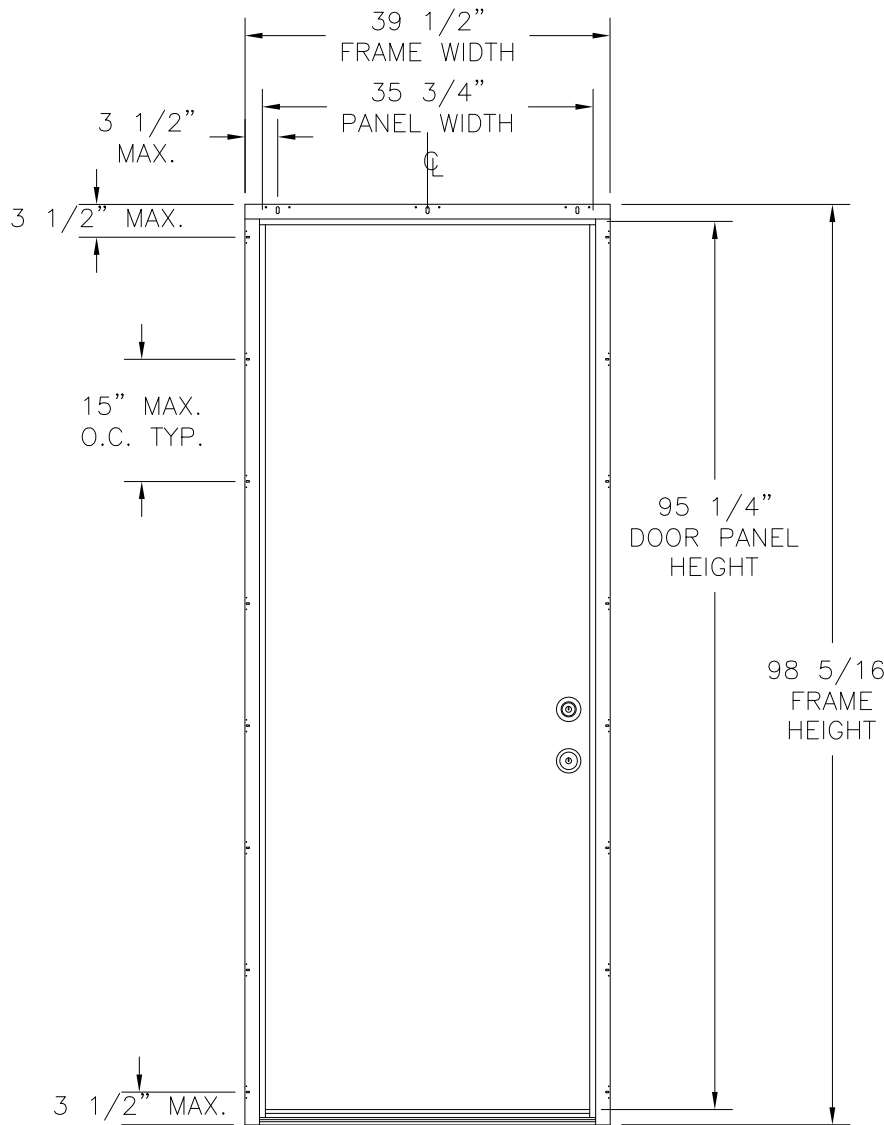
SHEET 1 OF 7

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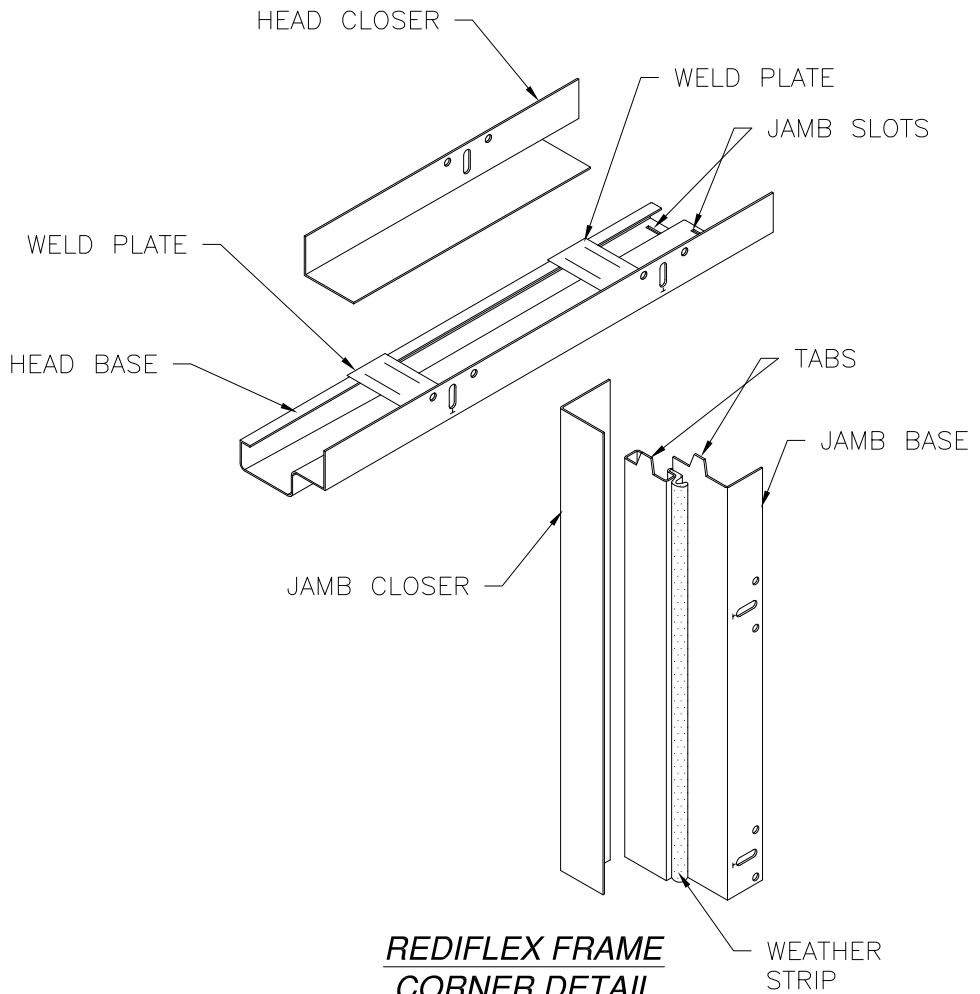
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Luis R. Lomas P.E.  
FL No.: 62514



REDIFLEX 18GA. STEEL 2-PIECE FRAME  
SINGLE DOOR IS/OS  
EXTERIOR VIEW



REDIFLEX FRAME  
CORNER DETAIL

| REVISIONS |             |            |          |
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| HARDWARE SCHEDULE |                                                              |
|-------------------|--------------------------------------------------------------|
| A.                | F-SERIES LOCK ASSEMBLY DOOR KNOB BY SCHLAGE.                 |
| B.                | B-SERIES DEADBOLT ASSEMBLY BY SCHLAGE.                       |
| C.                | F-SERIES DEADBOLT ASSEMBLY BY SCHLAGE.                       |
| D.                | RESIDENTIAL GRADE DOOR HANDLE ASSEMBLY BY EMTEK (ALTERNATE). |
| E.                | MULTI-POINT LOCK HANDLE ASSEMBLY BY TRILENNIUM (ALTERNATE).  |
| F.                | (3) 4" x 4" BALL BEARING HINGES BY PENROD.                   |
| G.                | (3) 4" x 4" SPRING BOMMER HINGES BY PENROD. (ALTERNATE)      |

THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED.

| DOOR PANEL TYPE                     |        | PANEL HEIGHT | D.L.O. SIZE         | DESIGN PRESSURE RATING | IMPACT RATING |
|-------------------------------------|--------|--------------|---------------------|------------------------|---------------|
| 22GA. STEEL INSWING SINGLE          | GLAZED | 95"          | 20 7/16" x 78 7/16" | ±44.9PSF               | NONE          |
| 22GA. STEEL OUTSWING SINGLE         |        | 79"          | 20 7/16" x 62 7/16" | ±47.0PSF               |               |
| 22GA. STEEL INSWING SINGLE          |        |              |                     |                        |               |
| 22GA. STEEL OUTSWING SINGLE         |        |              |                     |                        |               |
| HERITAGE FIBERGLASS INSWING SINGLE  | OPAQUE | 95 1/4"      | N/A                 | ±44.9PSF               |               |
| HERITAGE FIBERGLASS OUTSWING SINGLE |        | 79 1/4"      |                     | ±47.0PSF               |               |
| HERITAGE FIBERGLASS INSWING SINGLE  |        |              |                     |                        |               |
| HERITAGE FIBERGLASS OUTSWING SINGLE |        |              |                     |                        |               |
| HERITAGE FIBERGLASS INSWING SINGLE  | GLAZED | 95 1/4"      | 21" x 79"           | ±44.9PSF               |               |
| HERITAGE FIBERGLASS OUTSWING SINGLE |        | 79 1/4"      | 21" x 63"           | ±47.0PSF               |               |
| HERITAGE FIBERGLASS INSWING SINGLE  |        |              |                     |                        |               |
| HERITAGE FIBERGLASS OUTSWING SINGLE |        |              |                     |                        |               |

35 3/4" X 95 1/4" PANEL SHOWN, OTHER SIZES ARE APPROVED AS LONG AS  
PANEL AREA DOES NOT EXCEED 23.64 FT²

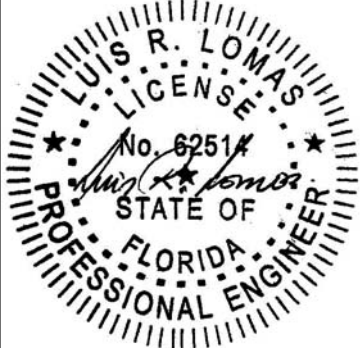
PROVIA, LLC.  
2150 STATE ROUTE 39 WEST  
SUGARCREEK, OH 44681

REDIFLEX 18GA STEEL 2-PIECE FRAME  
SINGLE DOOR IS/OS NON-IMPACT  
ELEVATION AND CORNER CONSTRUCTION

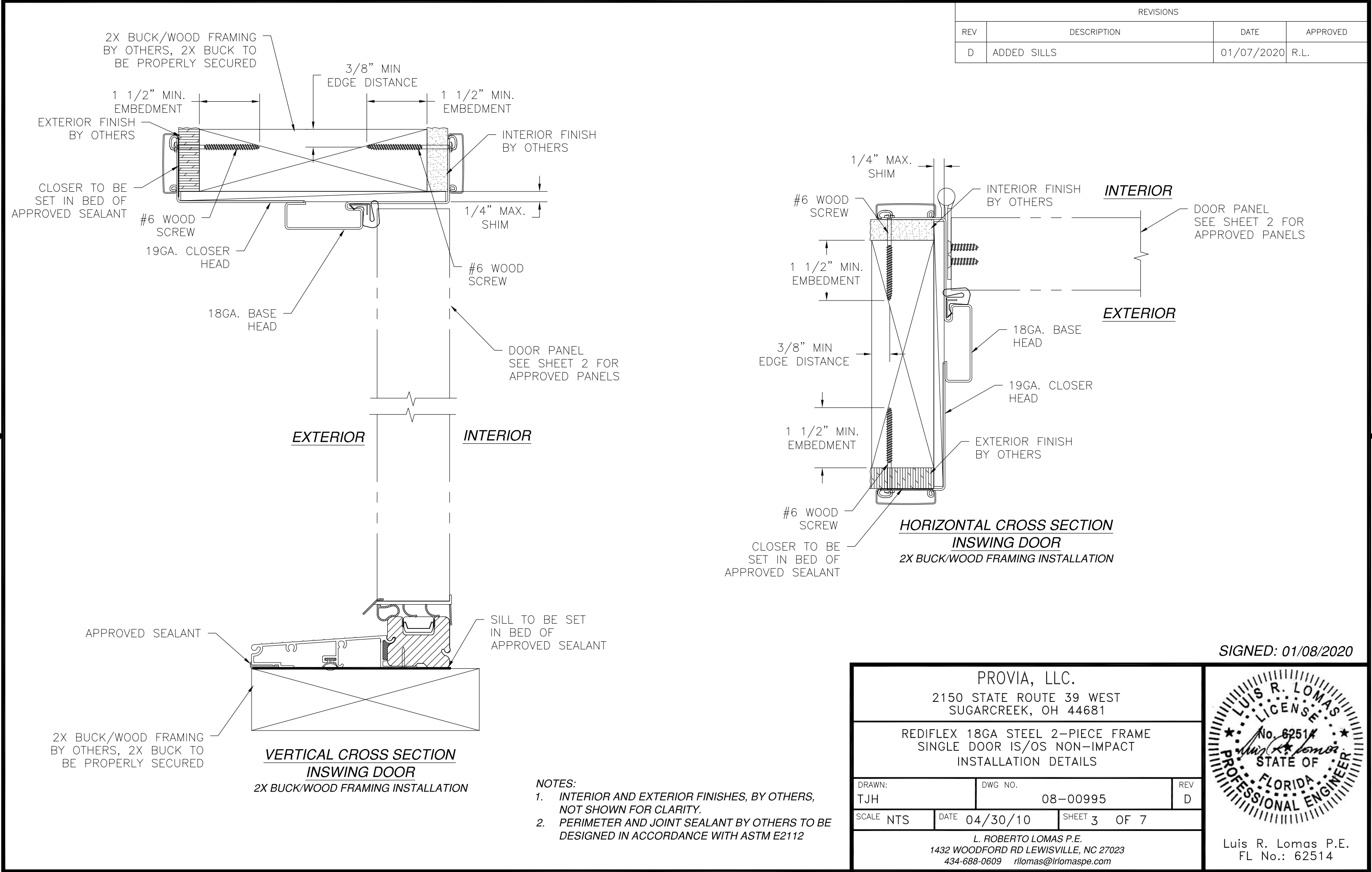
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| DRAWN:<br>TJH | DWG NO.<br>08-00995 | REV<br>D     |
| SCALE NTS     | DATE 04/30/10       | SHEET 2 OF 7 |

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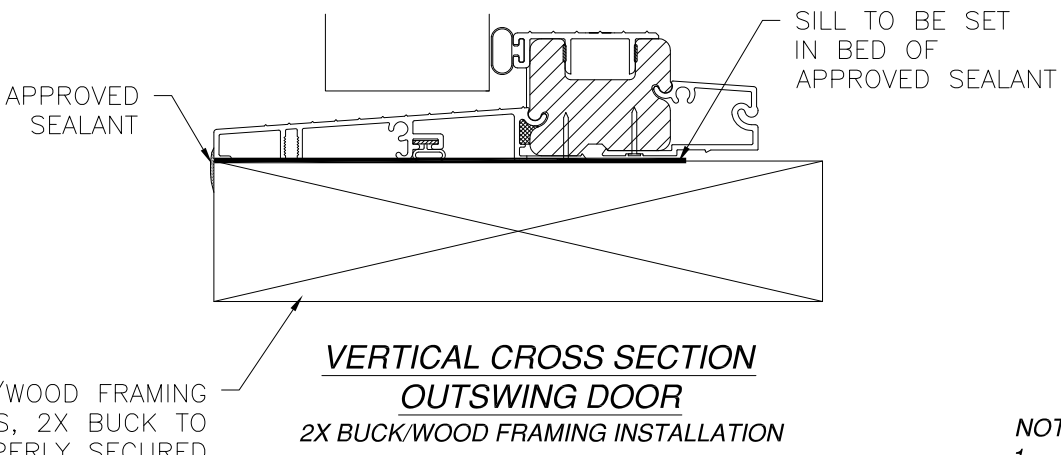
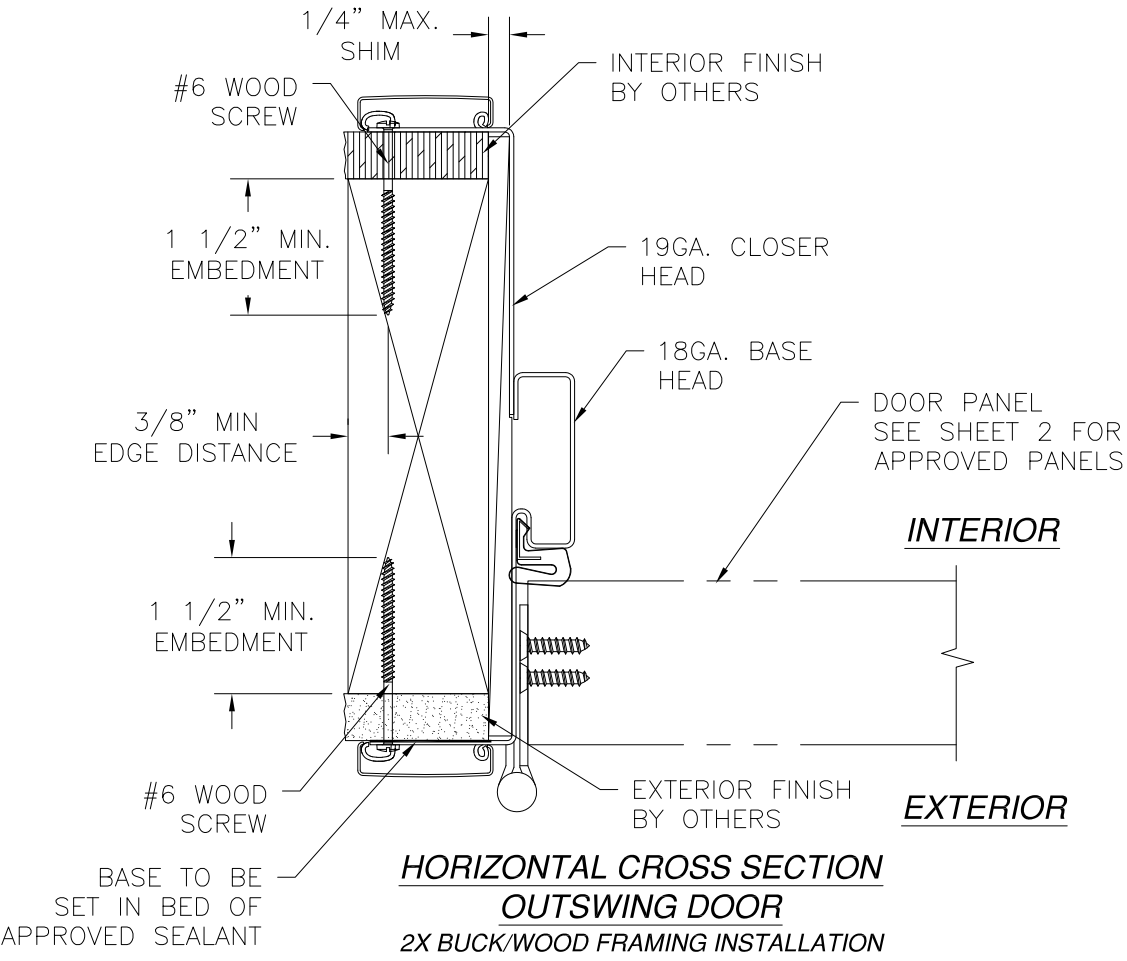
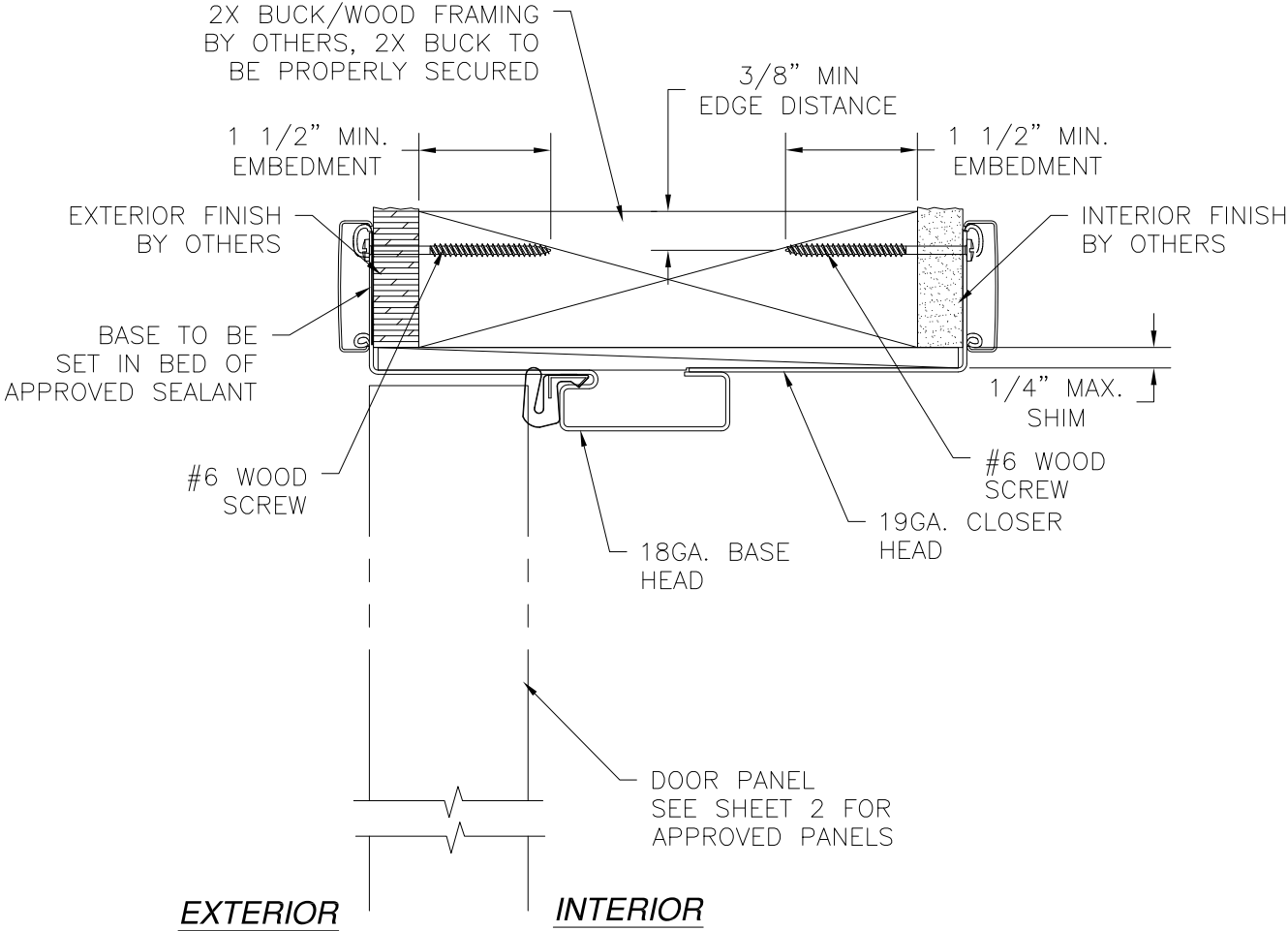
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- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

PROVIA, LLC.  
2150 STATE ROUTE 39 WEST  
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REDIFLEX 18GA STEEL 2-PIECE FRAME  
SINGLE DOOR IS/OS NON-IMPACT  
INSTALLATION DETAILS

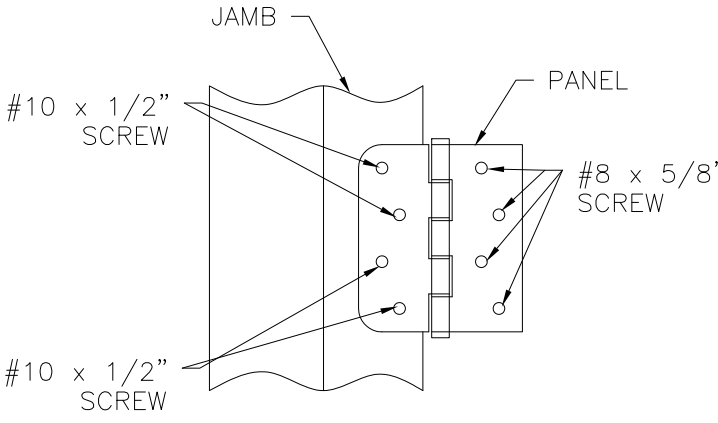
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| SCALE<br>NTS  | DATE<br>04/30/10    | SHEET<br>4 OF 7 |

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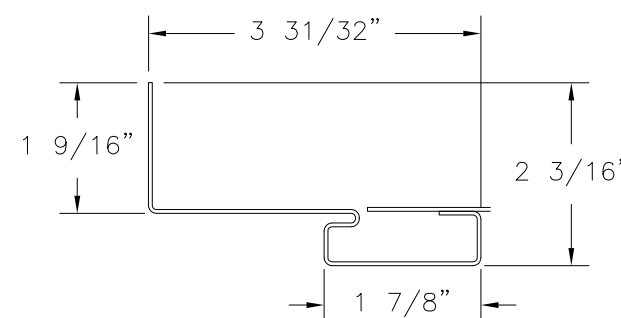
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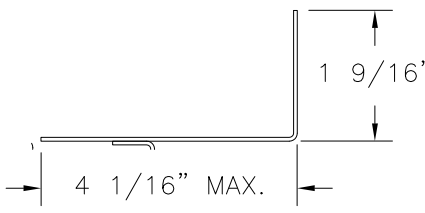
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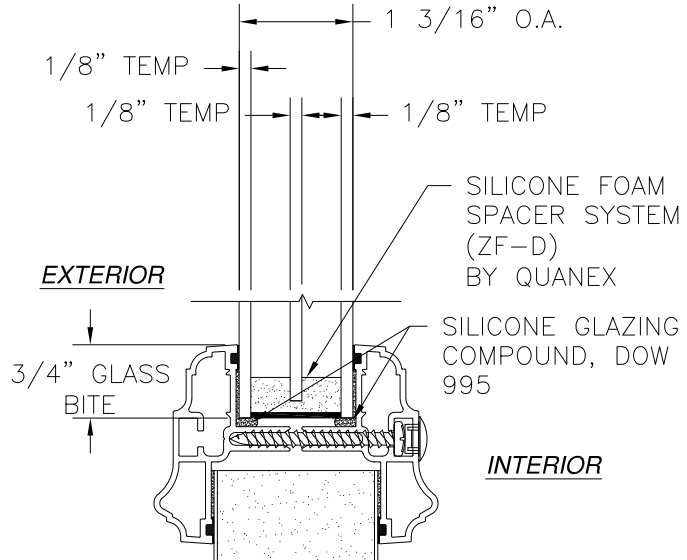
**HINGE INSTALLATION DETAIL**  
2X BUCK/WOOD FRAMING INSTALLATION



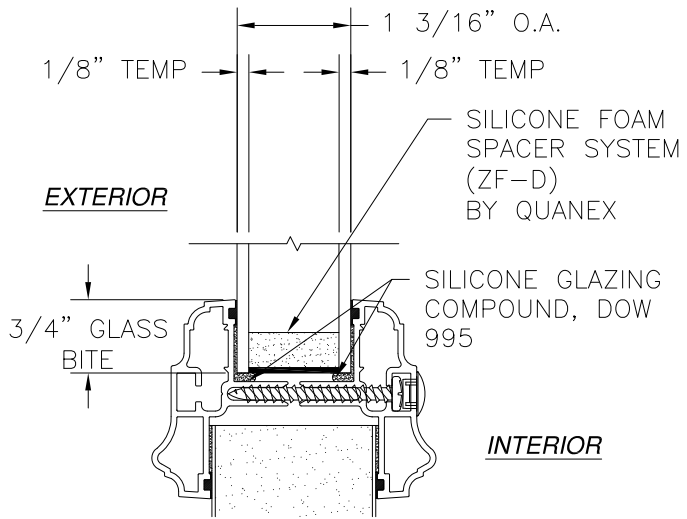
**18GA. BASE FRAME**  
GALVANIZED SEEL



**19GA. CLOSER FRAME**  
GALVANIZED SEEL



**GLAZING DETAIL A**



**GLAZING DETAIL B**

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GLAZING, HINGE DETAILS AND COMPONENTS

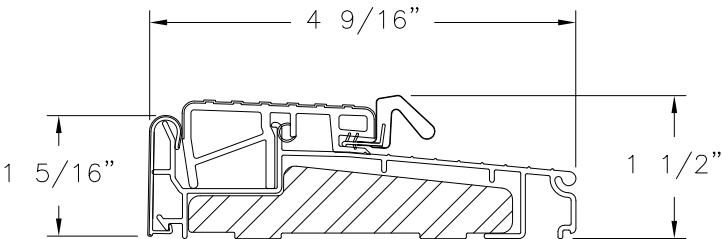
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| SCALE<br>NTS  | DATE<br>04/30/10    | SHEET<br>5 OF 7 |

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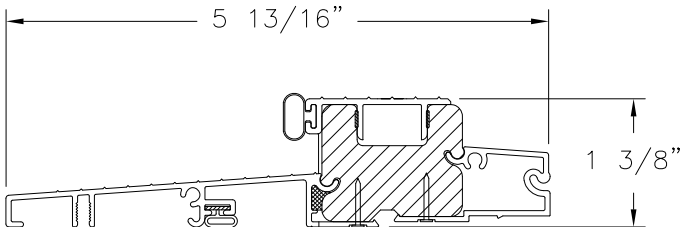
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LICENSED PROFESSIONAL ENGINEER  
No. 62514  
STATE OF FLORIDA

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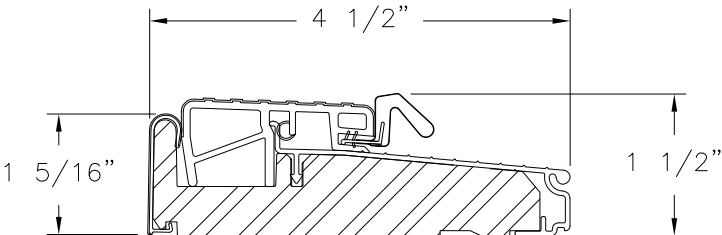
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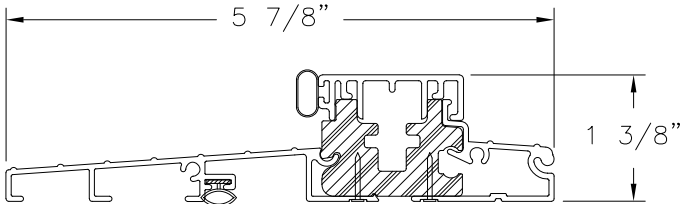
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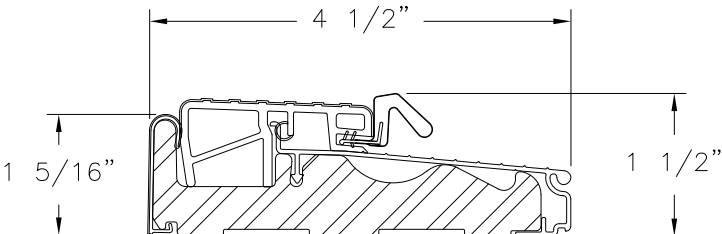
OUTSWING SILL



OUTSWING SILL ZOB4565F



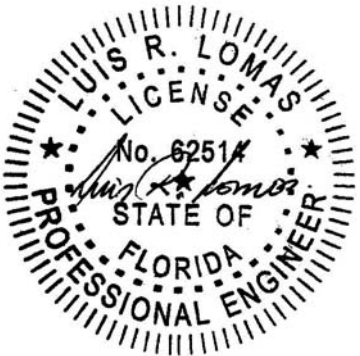
STANDARD OUTSWING SILL



OUTSWING SILL ZOBLH4565

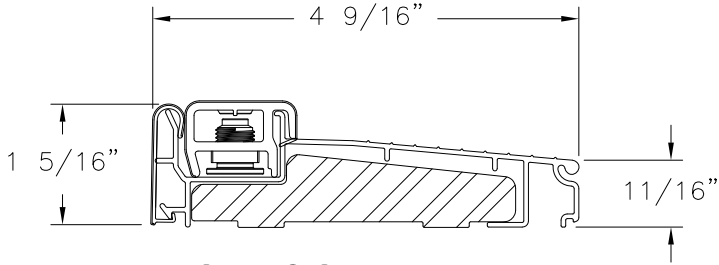
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|                                                                                                      |                     |              |
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| REDIFLEX 18GA STEEL 2-PIECE FRAME<br>SINGLE DOOR IS/OS NON-IMPACT<br>COMPONENTS                      |                     |              |
| DRAWN:<br>TJH                                                                                        | DWG NO.<br>08-00995 | REV<br>D     |
| SCALE NTS                                                                                            | DATE 04/30/10       | SHEET 6 OF 7 |
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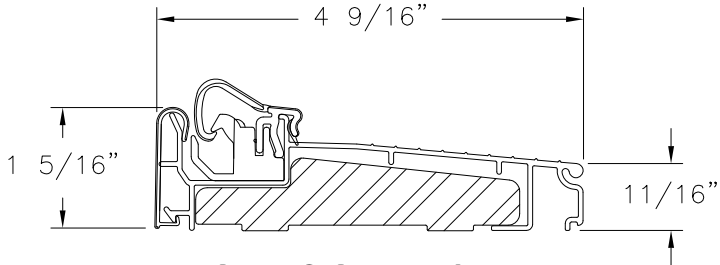


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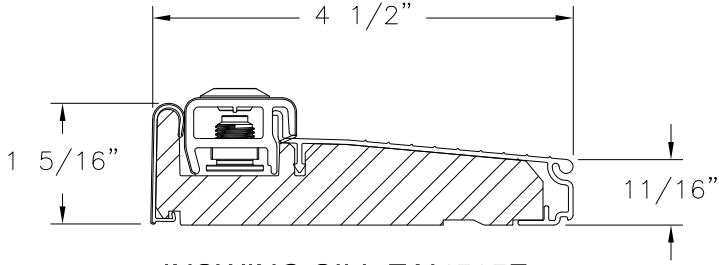
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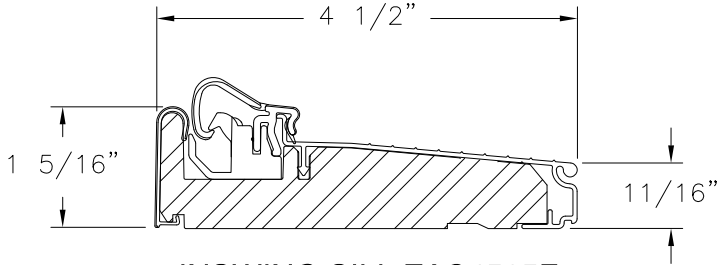
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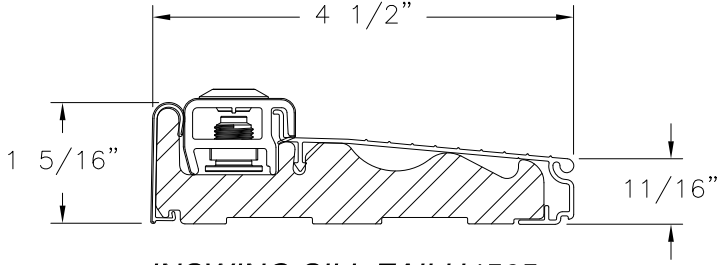
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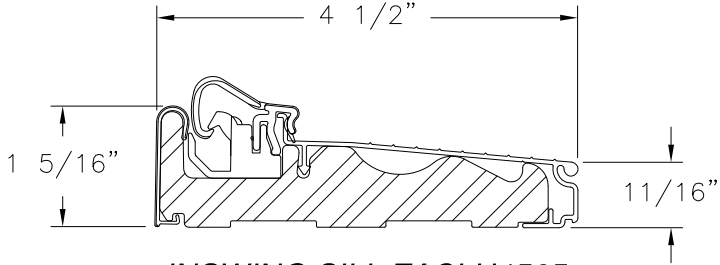
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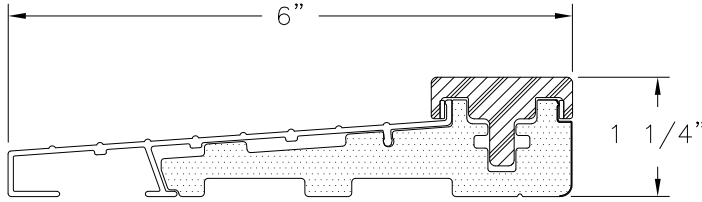
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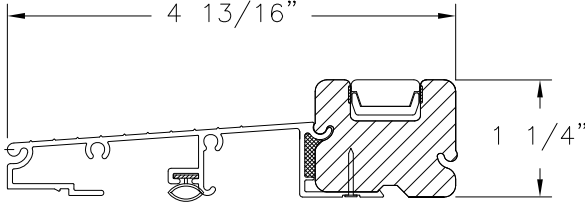
***INSWING SILL ZAILH4565***



***INSWING SILL ZACLH4565***



***STANDARD INSWING SILL***



***INSWING SILL***

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2150 STATE ROUTE 39 WEST  
SUGARCREEK, OH 44681

REDIFLEX 18GA STEEL 2-PIECE FRAME  
SINGLE DOOR IS/OS NON-IMPACT  
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SHEET 7 OF 7

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