

| REVISIONS |                           |          |          |
|-----------|---------------------------|----------|----------|
| REV       | DESCRIPTION               | DATE     | APPROVED |
| K         | REVISED HARDWARE SCHEDULE | 09/10/26 | 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)  
SIDELITE SKIN MATERIAL: STEEL .022" THICK (MINIMUM)
7. SIDELITES UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 11 FOR GLASS DETAILS.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS UP TO WIND ZONE 3.
9. 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".

10. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
12. FOR ANCHORING 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.
13. ALL FASTENERS TO BE CORROSION RESISTANT.
14. 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:
  - 14.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
  - 14.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
  - 14.3. MASONRY – GROUT FILLED STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
  - 14.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM
15. DOOR CONSTRUCTION MAYBE CONTINUOUS HEAD FRAME AND CONTINUOUS THRESHOLD OR BOX CONSTRUCTION.

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

STEEL OUTSWING GLAZED DOUBLE DOOR  
WITH SIDELITES – IMPACT  
NOTES

DRAWN:  
J.L.

DWG NO.  
08-02022

REV  
K

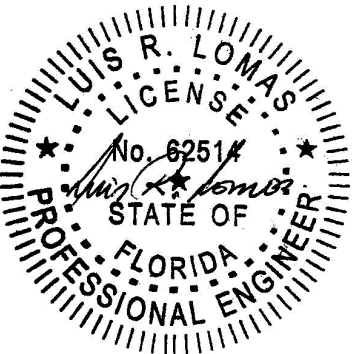
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DATE 05/10/13

SHEET 1 OF 16

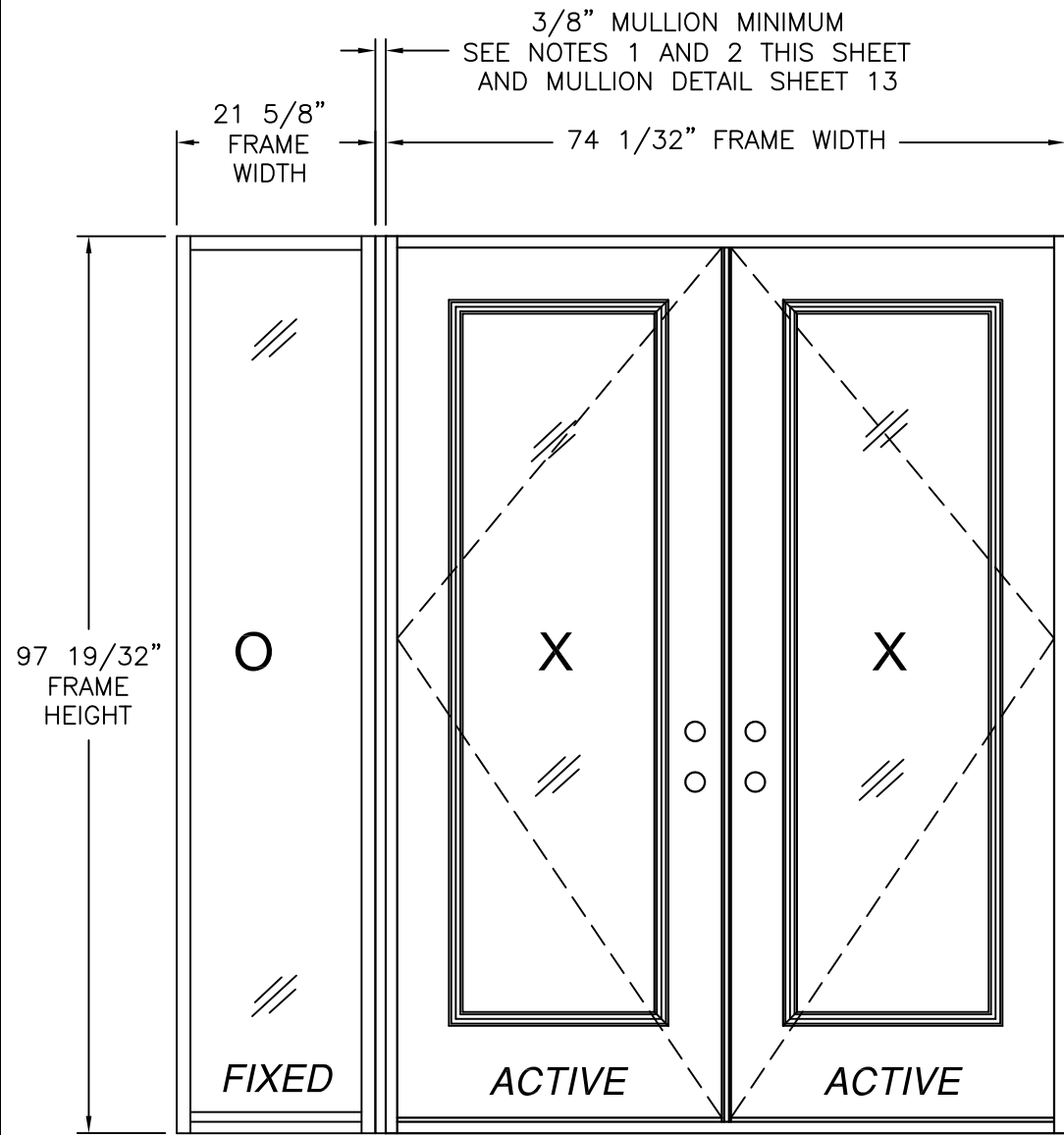
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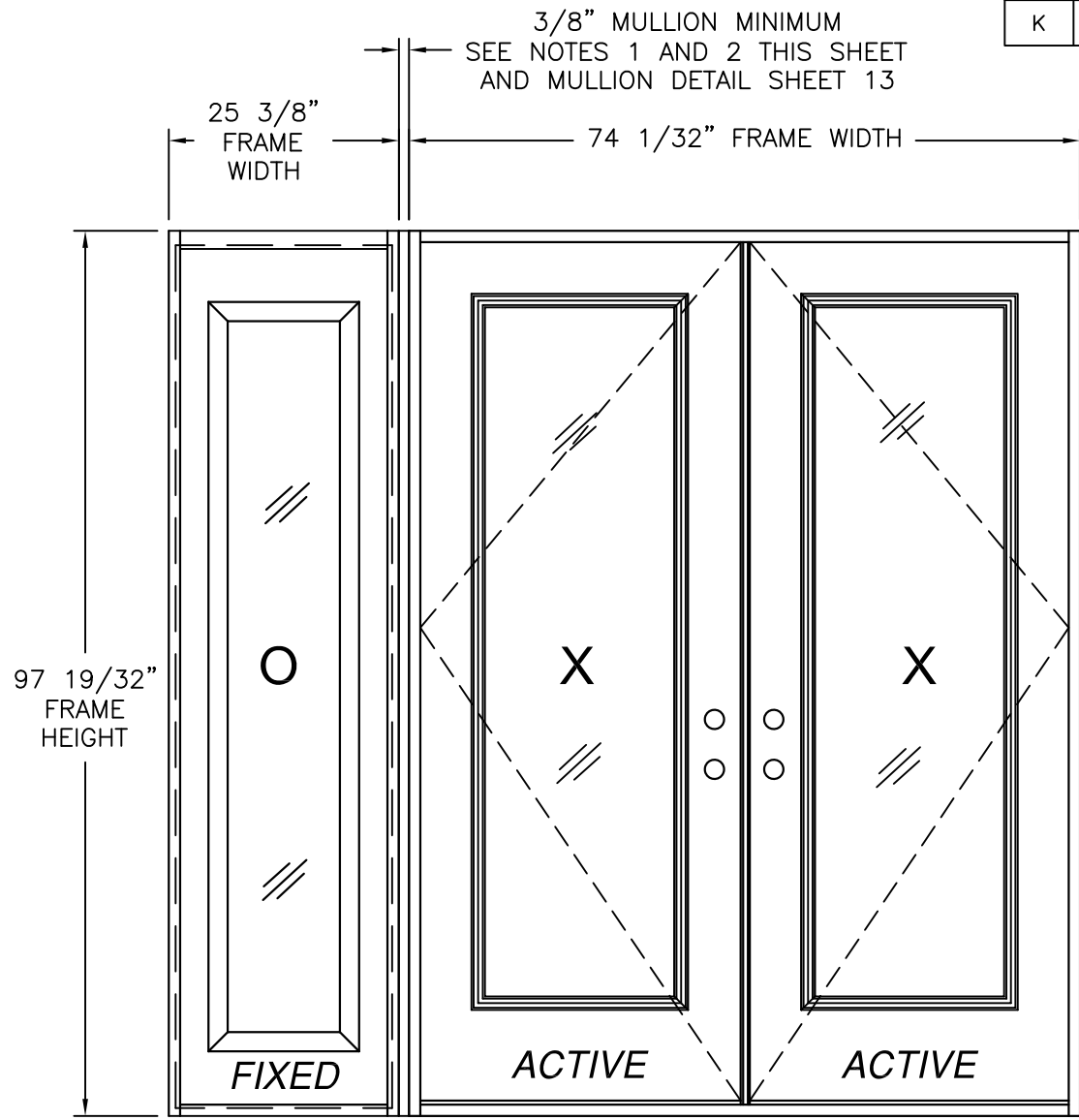


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FL No.: 62514

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**DOUBLE DOOR W/ DIRECT SET SIDELITE**  
EXTERIOR VIEW  
OXX SHOWN XXO ALSO APPROVED



**DOUBLE DOOR WITH STANDARD SIDELITE**  
EXTERIOR VIEW  
OXX SHOWN XXO ALSO APPROVED

| 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 |

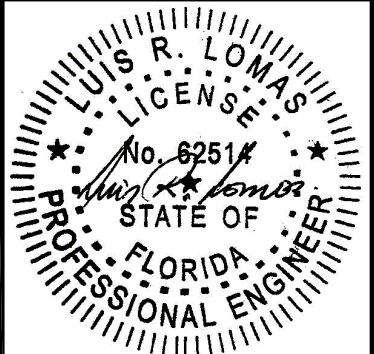
MISSILE LEVEL D, WIND ZONE 3

| 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.                | (3) 4" X 4" BALL BEARING HINGES BY PENROD                   |
| H.                | (3) 4" X 4" SPRING BOMMER HINGES BY PENROD (ALTERNATE)      |

- NOTES:
1. MAXIMUM ALLOWED BUILD UP TO BE 7" AT EACH VERTICAL MULLION.
  2. IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED.
  3. DOOR PANEL SIZE: 35 3/4" X 94 15/16"
  4. SIDELITE PANEL SIZE: 23 7/8" X 95 1/8"
  5. DOOR PANEL D.L.O.: 20 3/8" X 78 1/2"
  6. SIDELITE PANEL D.L.O.: 12 3/8" X 78 3/8"
  7. DIRECT SET D.L.O.: 18 5/8" X 93 25/32"

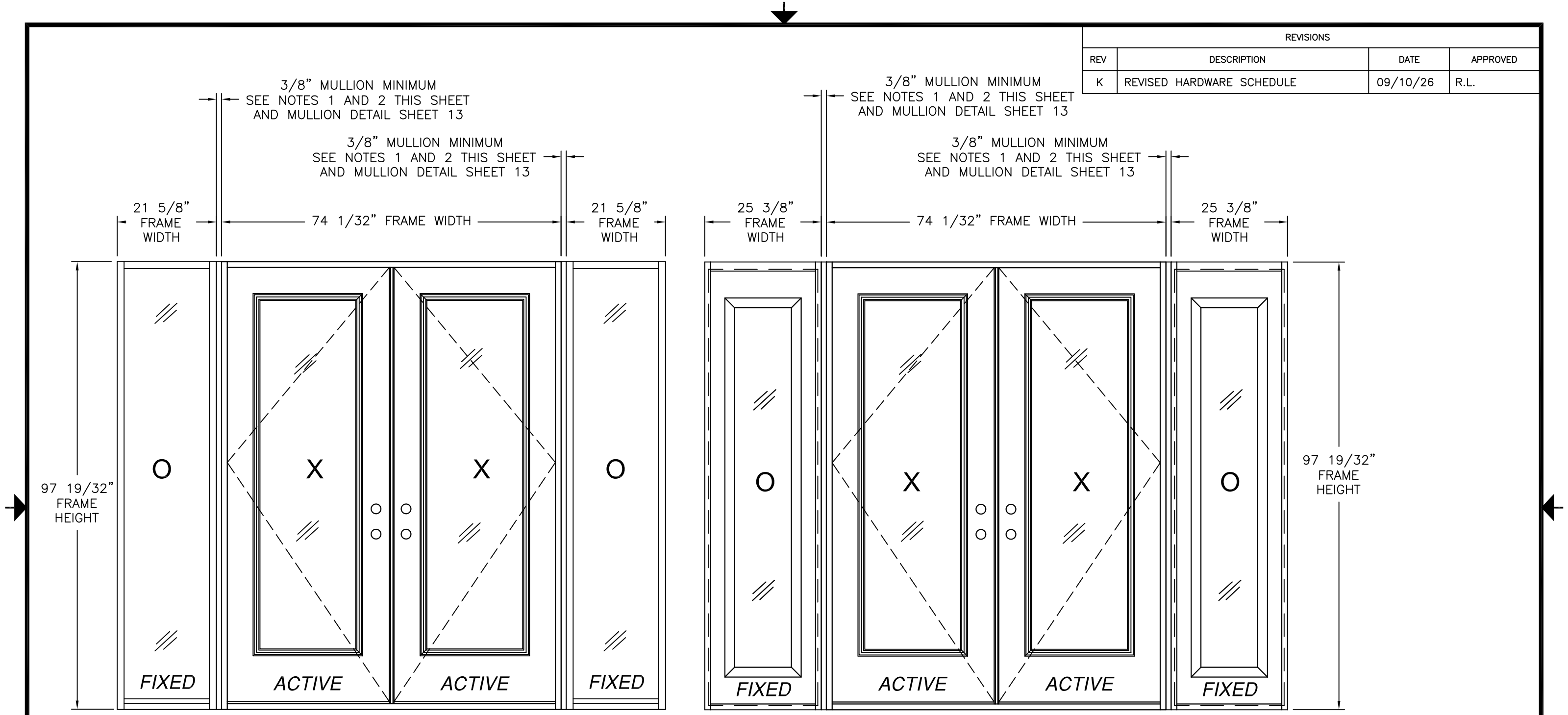
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| PROVIA, LLC.<br>2150 STATE ROUTE 39 WEST<br>SUGARCREEK, OH 44681                                  |                     |                  |
| STEEL OUTSWING GLAZED DOUBLE DOOR<br>WITH SIDELITES – IMPACT<br>ELEVATIONS                        |                     |                  |
| DRAWN:<br>J.L.                                                                                    | DWG NO.<br>08-02022 | REV<br>K         |
| SCALE<br>NTS                                                                                      | DATE<br>05/10/13    | SHEET<br>2 OF 16 |
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DOUBLE DOOR WITH DIRECT SET SIDELITES  
EXTERIOR VIEW

DOUBLE DOOR WITH STANDARD SIDELITES  
EXTERIOR VIEW

SIGNED: 09/10/2026

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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 |

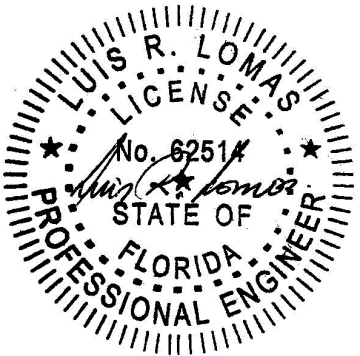
MISSILE LEVEL D, WIND ZONE 3

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2150 STATE ROUTE 39 WEST  
SUGARCREEK, OH 44681

STEEL OUTSWING GLAZED DOUBLE DOOR  
WITH SIDELITES – IMPACT  
ELEVATIONS

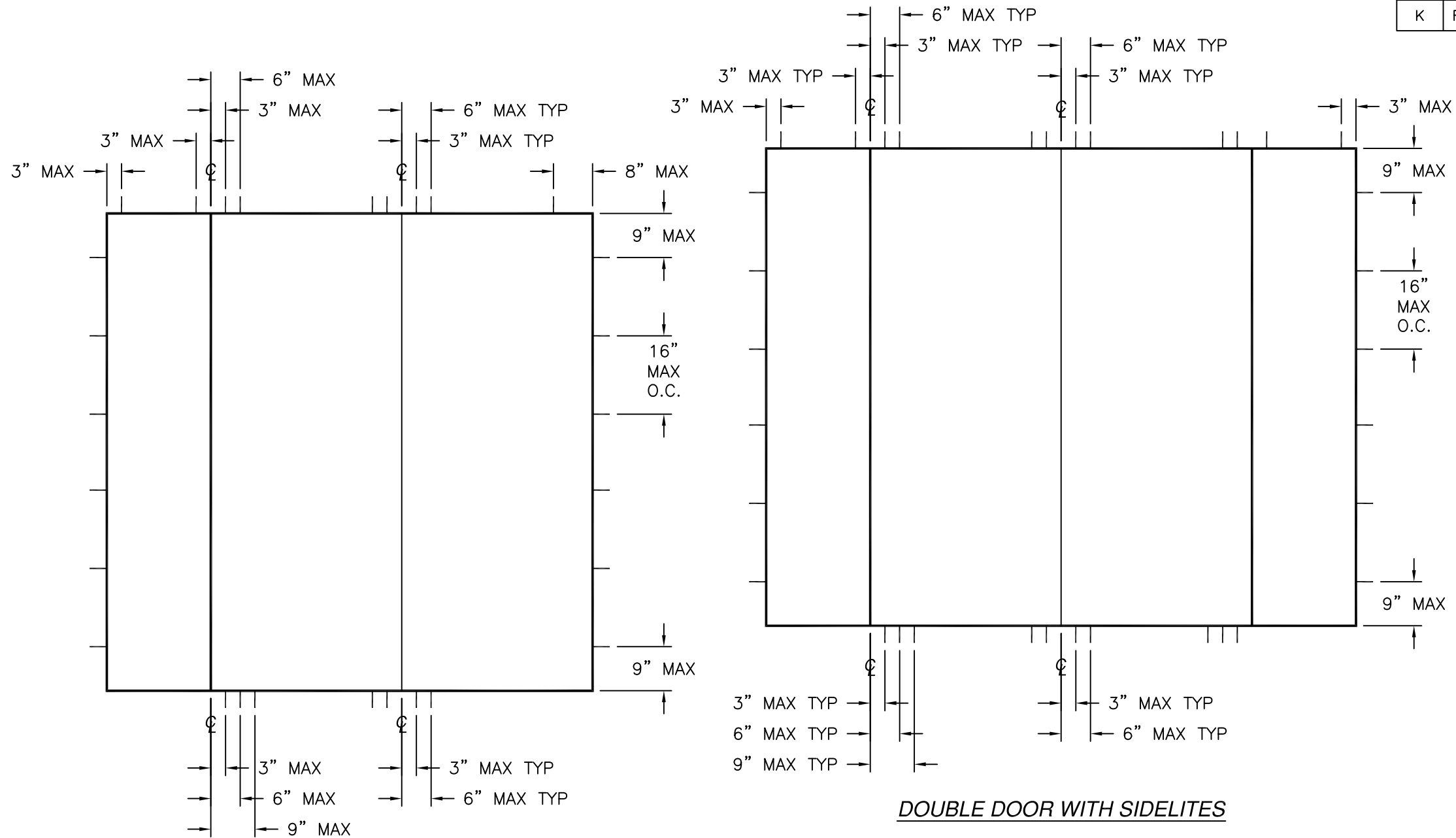
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| DRAWN:<br>J.L. | DWG NO.<br>08-02022 | REV<br>K         |
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APPROVED LITE CONFIGURATIONS

FULL LITE      3 LITE      4 LITE      2 LITE

LITE CONFIGURATIONS SHOWN ARE FOR REFERENCE ONLY.  
MULTIPLE LITE CONFIGURATIONS ARE APPROVED AS LONG AS  
LITE SIZE DOES NOT EXCEED 11.1 FT<sup>2</sup>

DOUBLE DOOR WITH SIDELITE

DOUBLE DOOR WITH SIDELITES

SIGNED: 09/10/2026

| 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 |

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STEEL OUTSWING GLAZED DOUBLE DOOR  
WITH SIDELITES – IMPACT  
ANCHORING LAYOUTS

DRAWN:  
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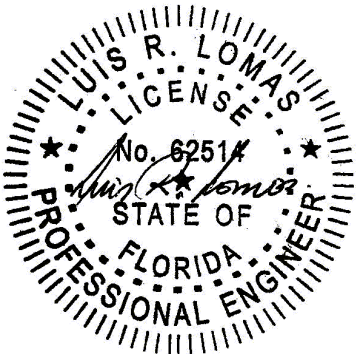
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SCALE NTS

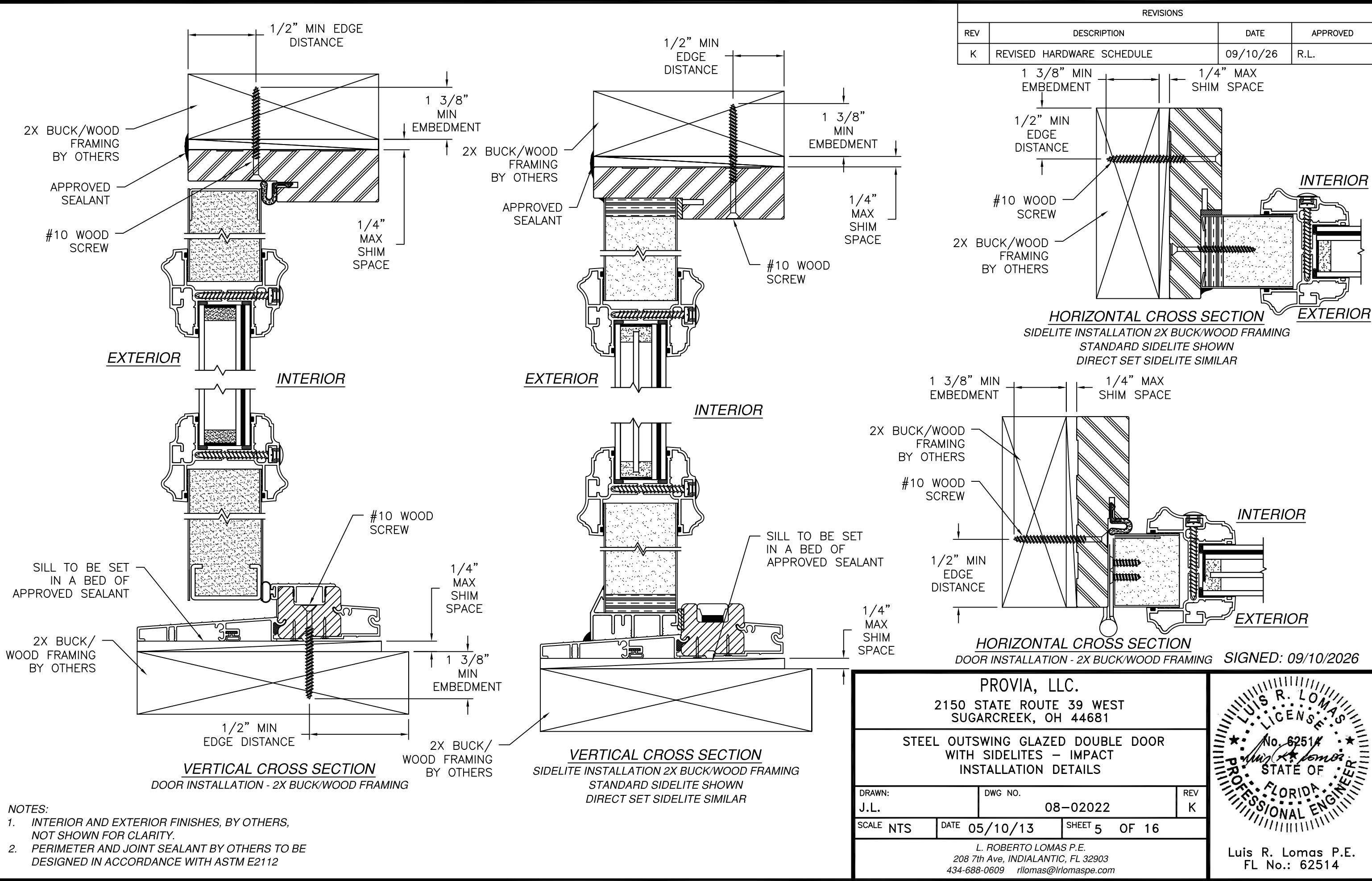
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SHEET 4 OF 16

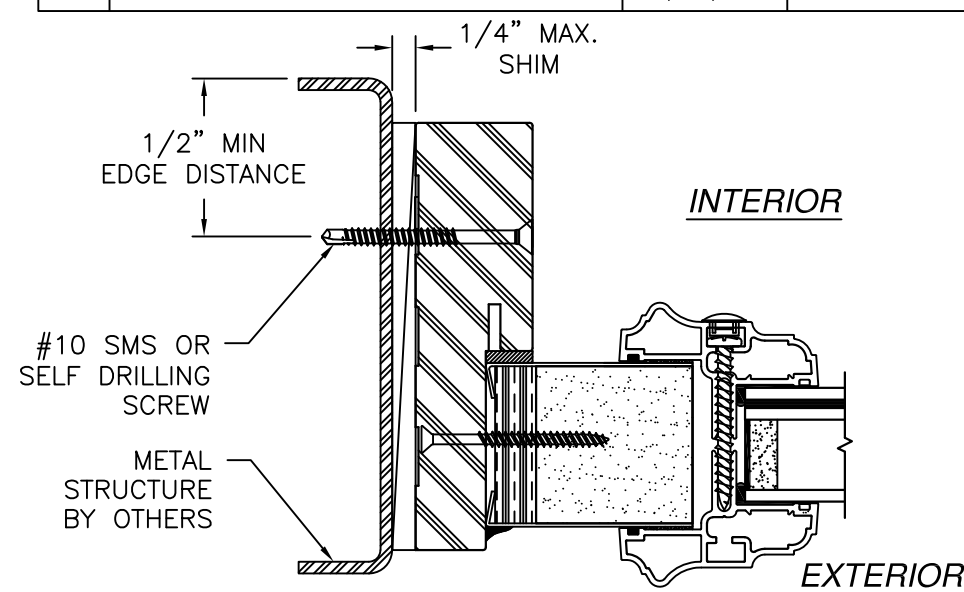
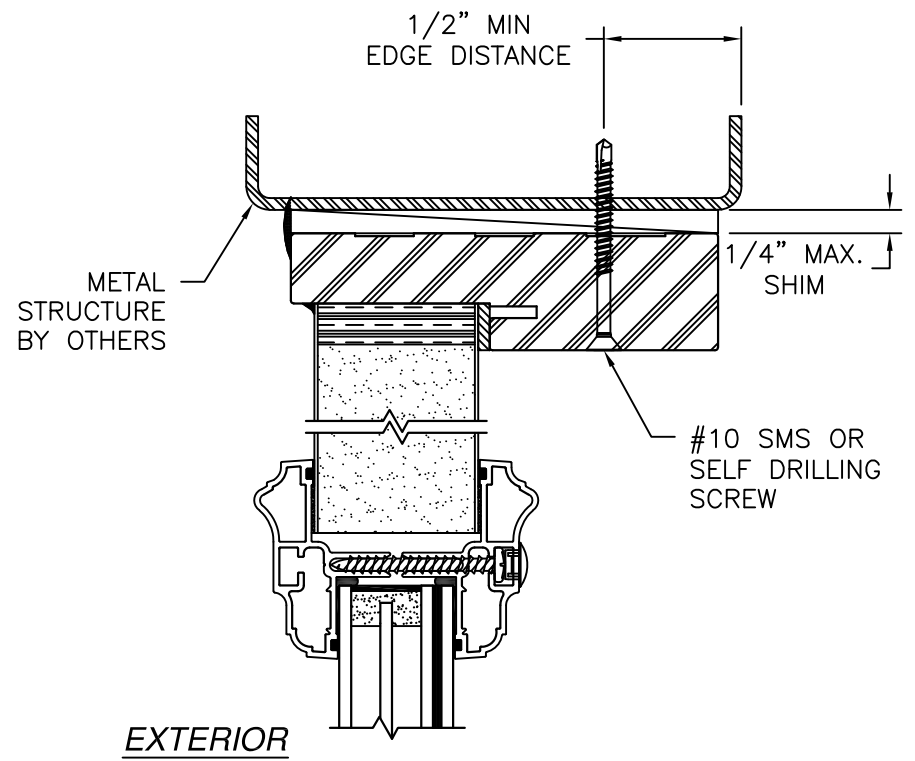
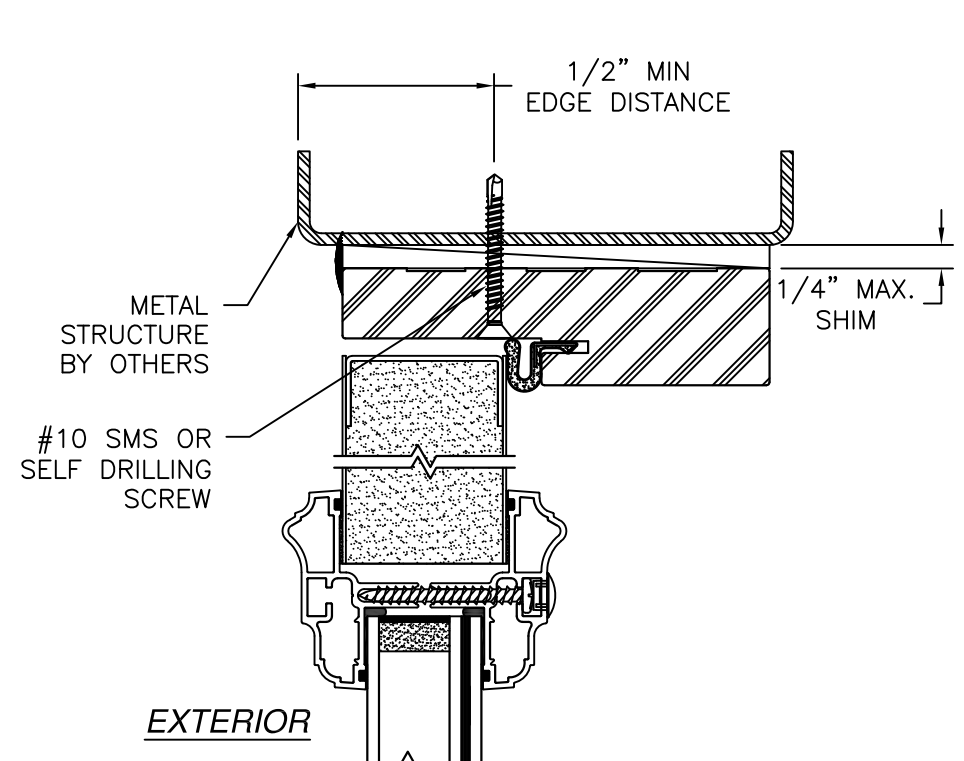
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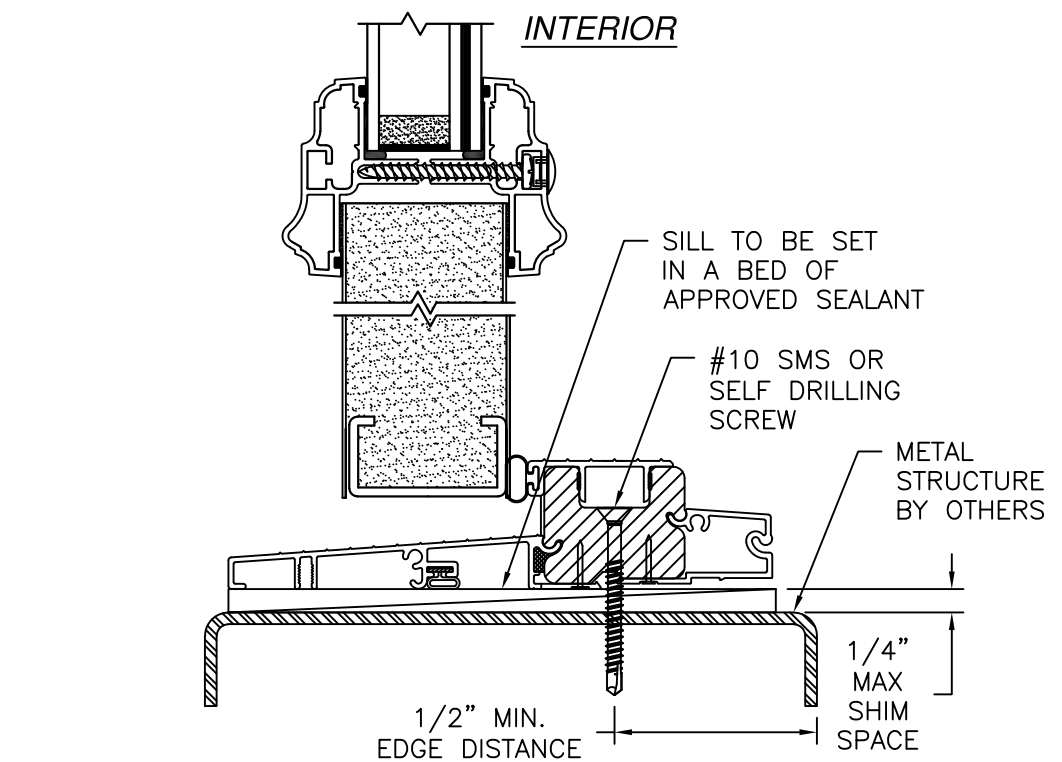
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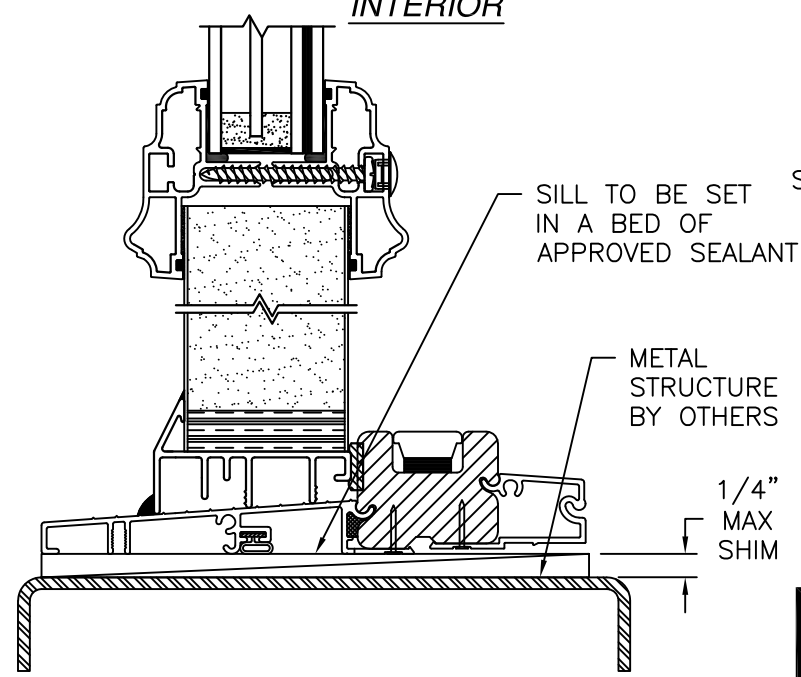
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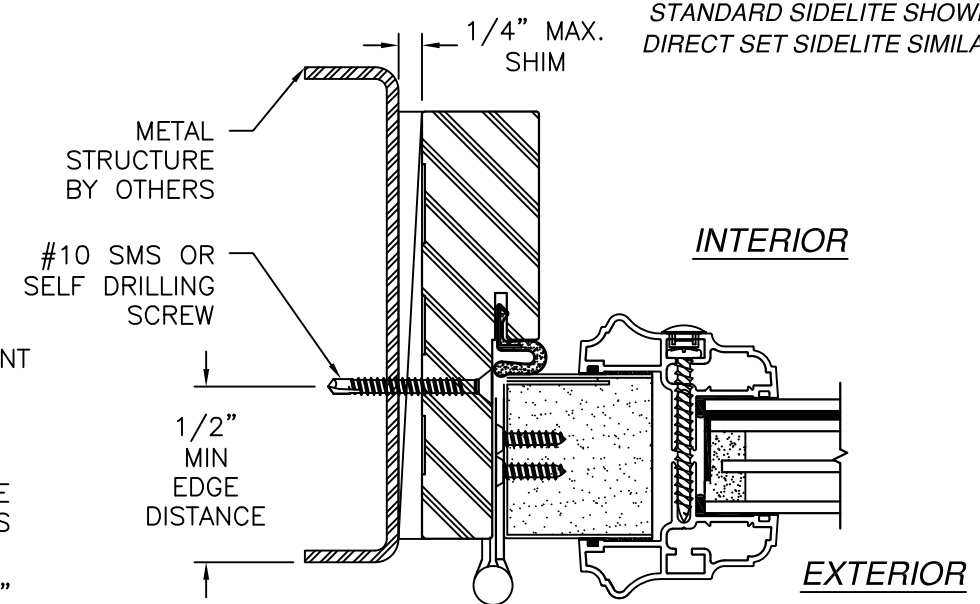
**HORIZONTAL CROSS SECTION**  
SIDELITE INSTALLATION METAL STRUCTURE  
STANDARD SIDELITE SHOWN  
DIRECT SET SIDELITE SIMILAR



**VERTICAL CROSS SECTION**  
DOOR INSTALLATION METAL STRUCTURE



**VERTICAL CROSS SECTION**  
SIDELITE INSTALLATION METAL STRUCTURE  
STANDARD SIDELITE SHOWN  
DIRECT SET SIDELITE SIMILAR



**HORIZONTAL CROSS SECTION**  
DOOR INSTALLATION METAL STRUCTURE

SIGNED: 09/10/2026

- NOTES:
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  - 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 OUTSWING GLAZED DOUBLE DOOR  
WITH SIDELITES – IMPACT  
INSTALLATION DETAILS

DRAWN: J.L.

DATE 05/10/13

DWG NO. 08-02022

SHEET 6 OF 16

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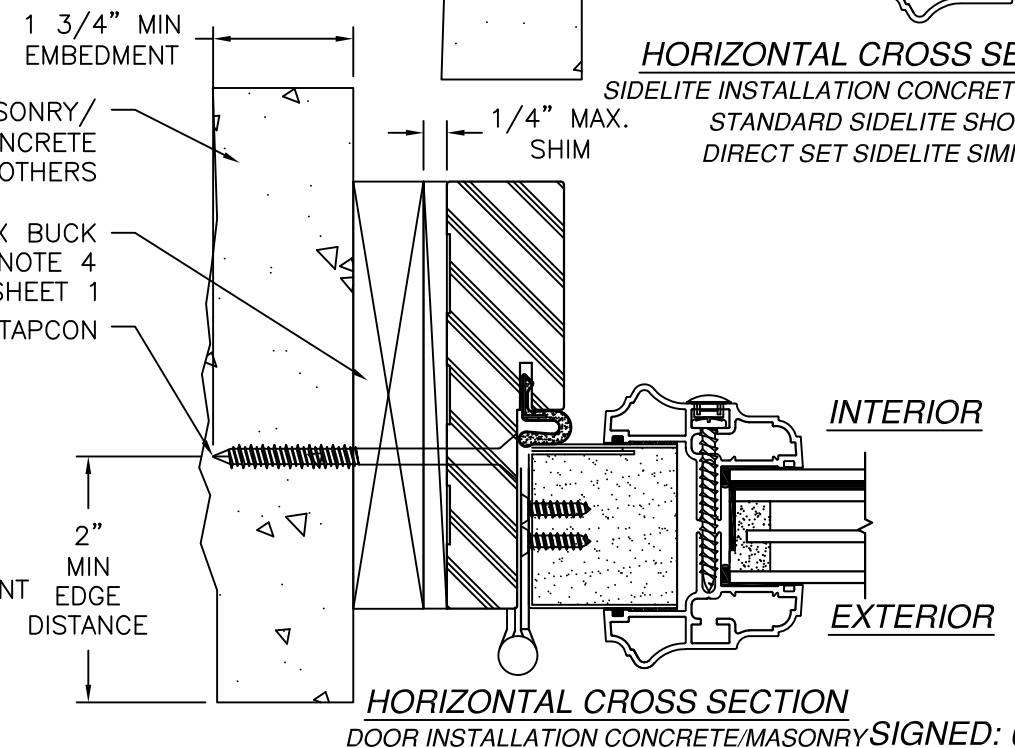
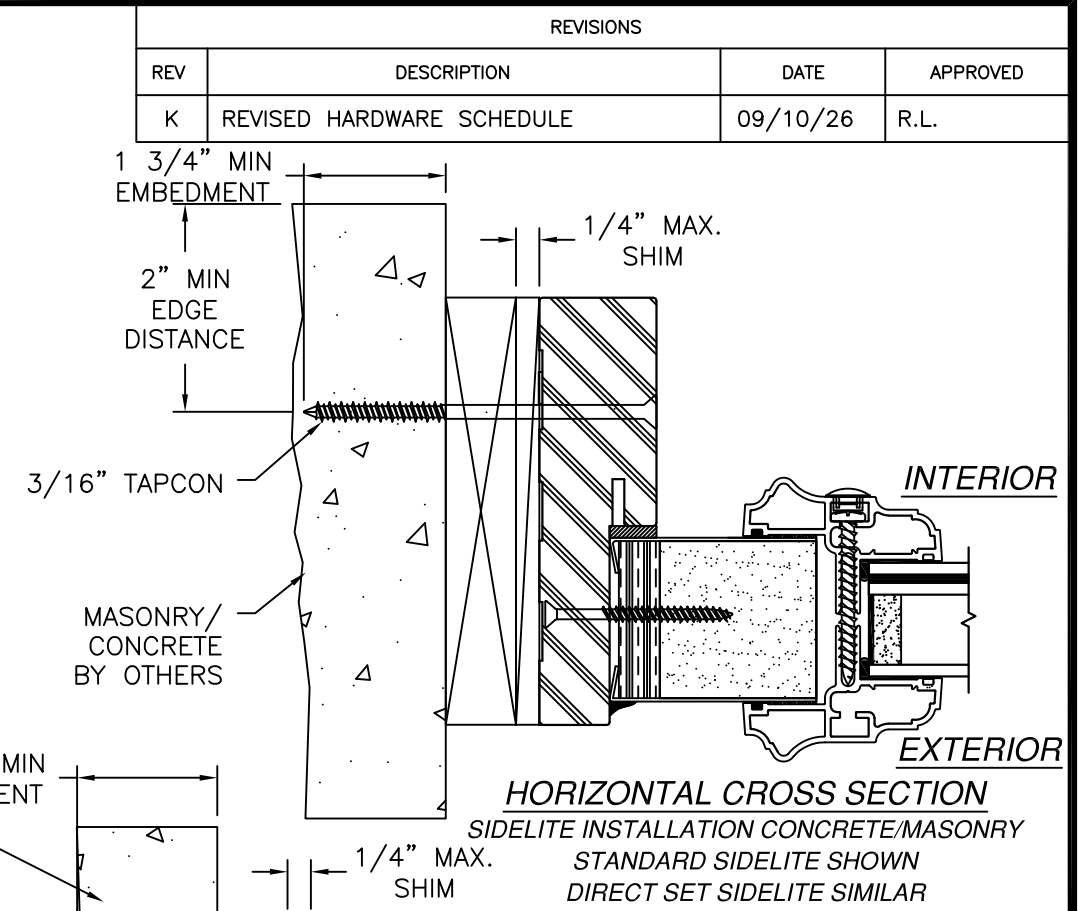
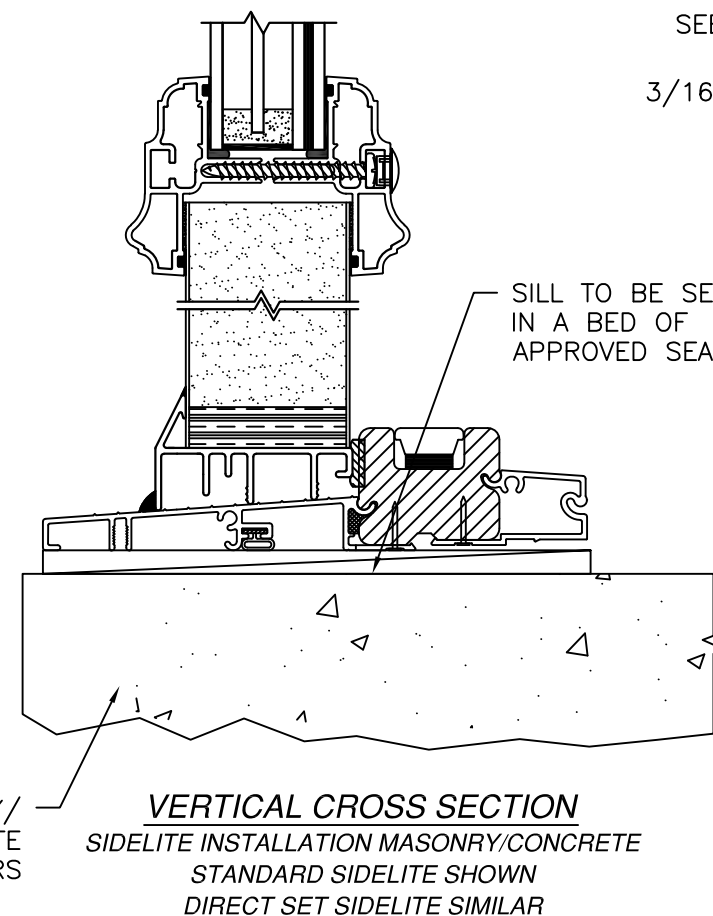
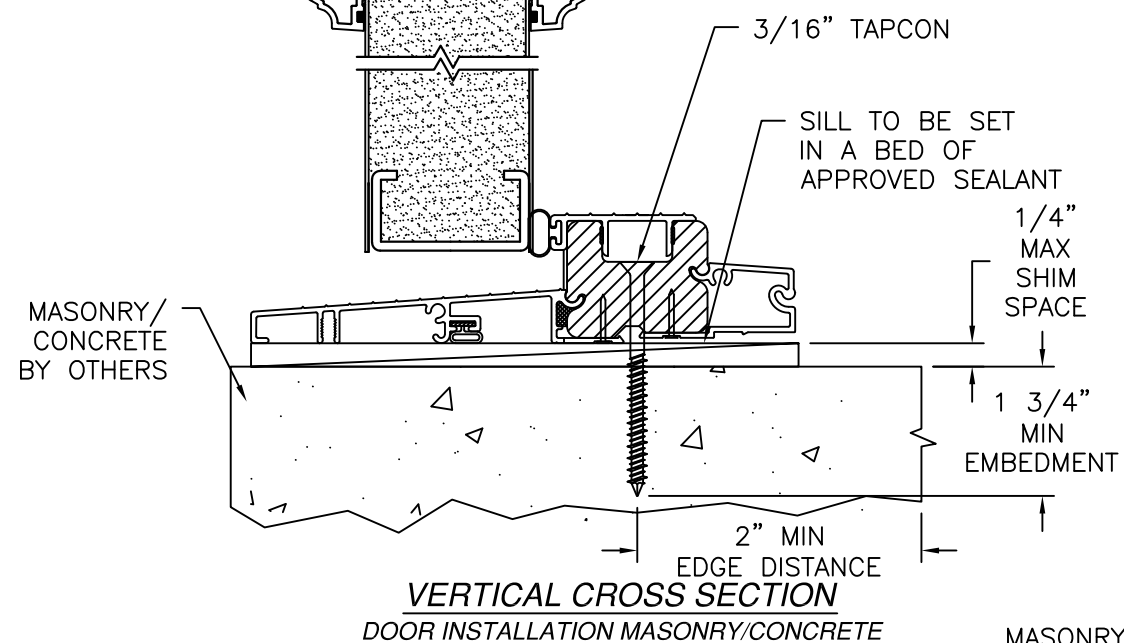
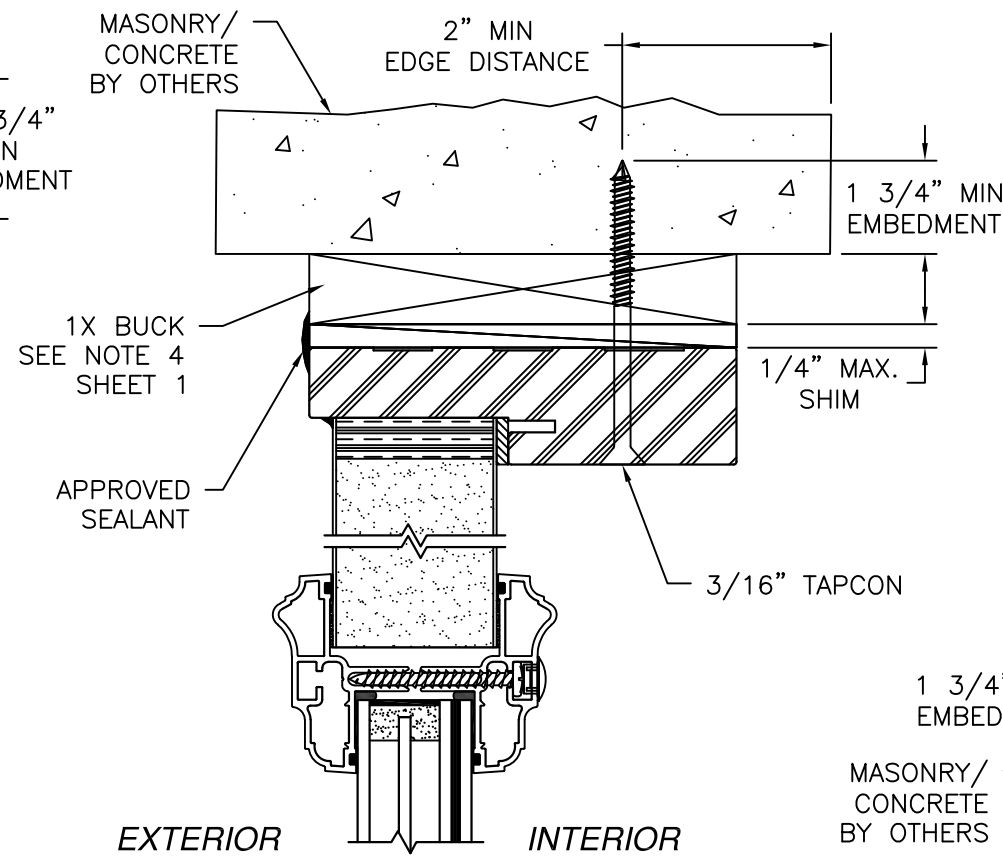
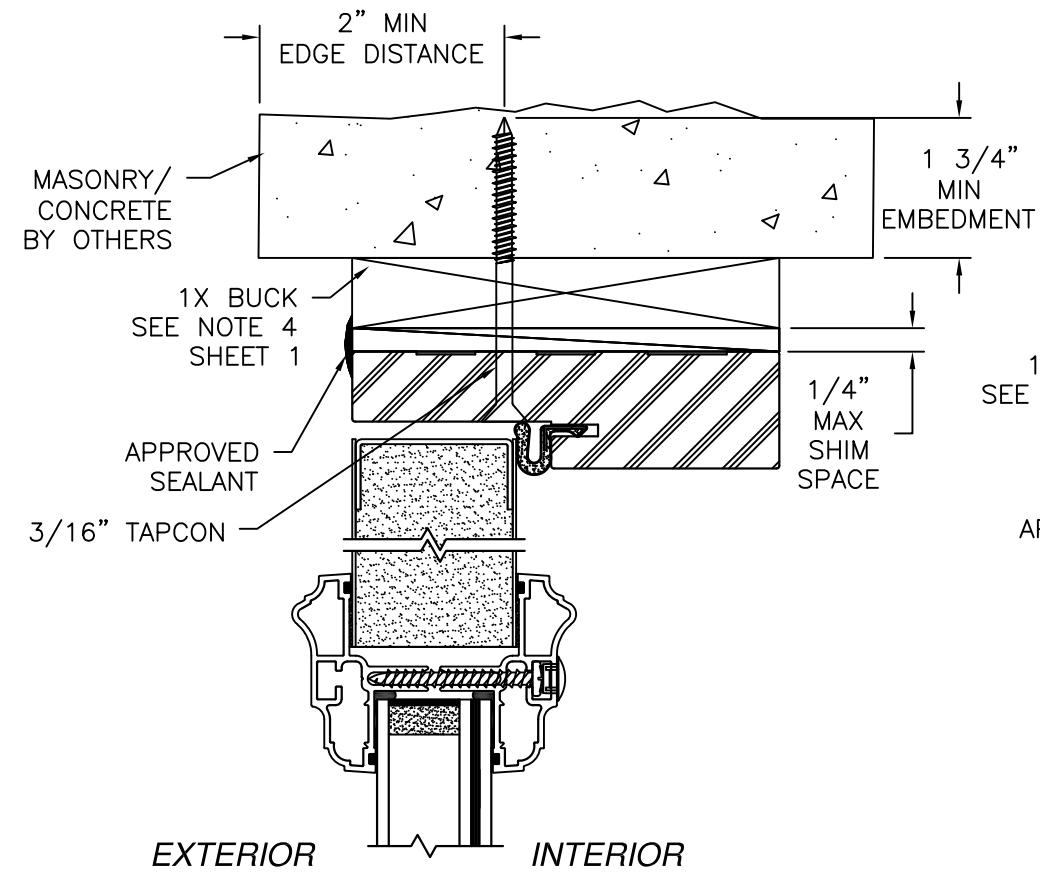
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STATE OF FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

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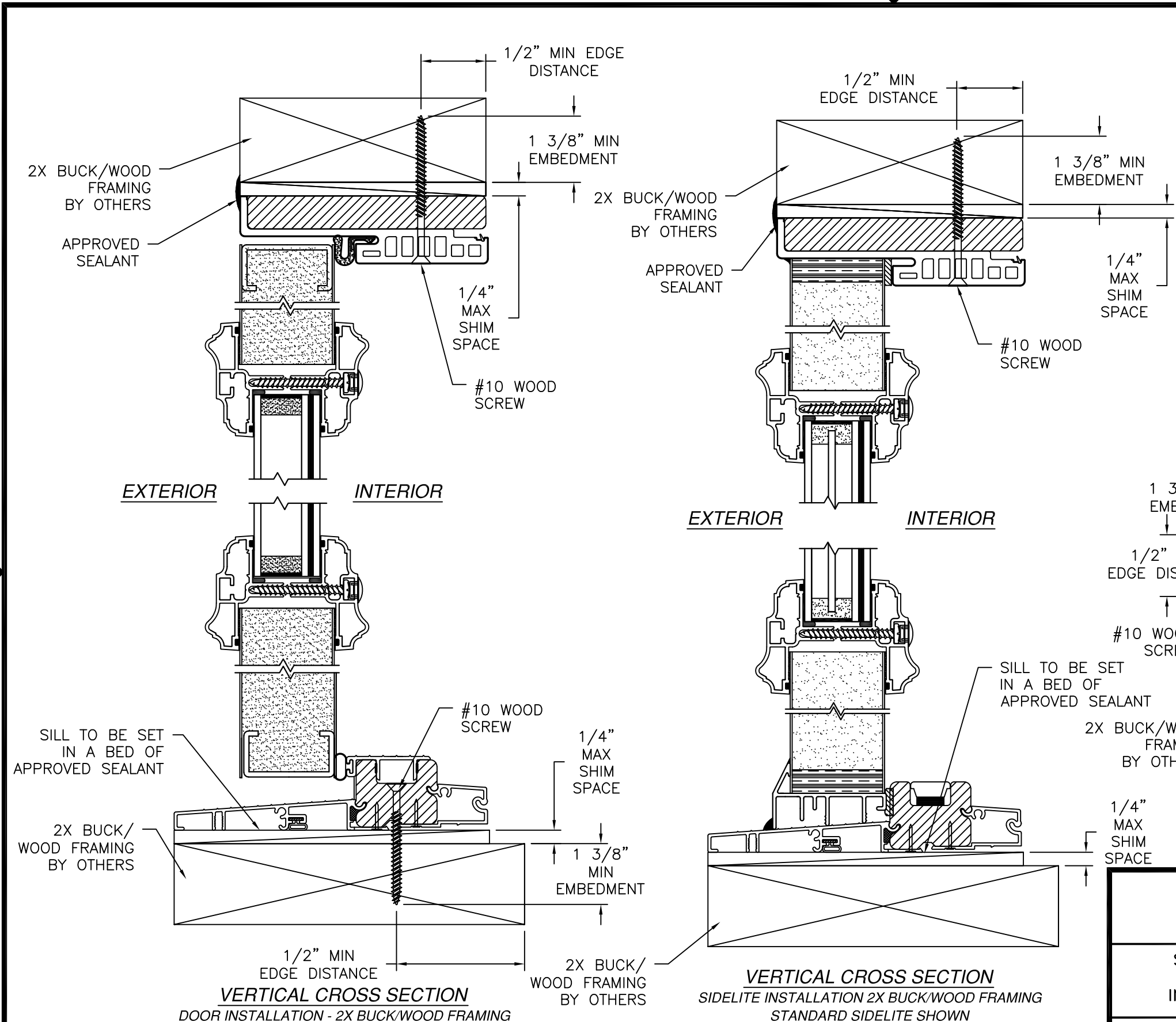
**STEEL OUTSWING GLAZED DOUBLE DOOR  
WITH SIDELITES – IMPACT  
INSTALLATION DETAILS**

|                |                     |                  |
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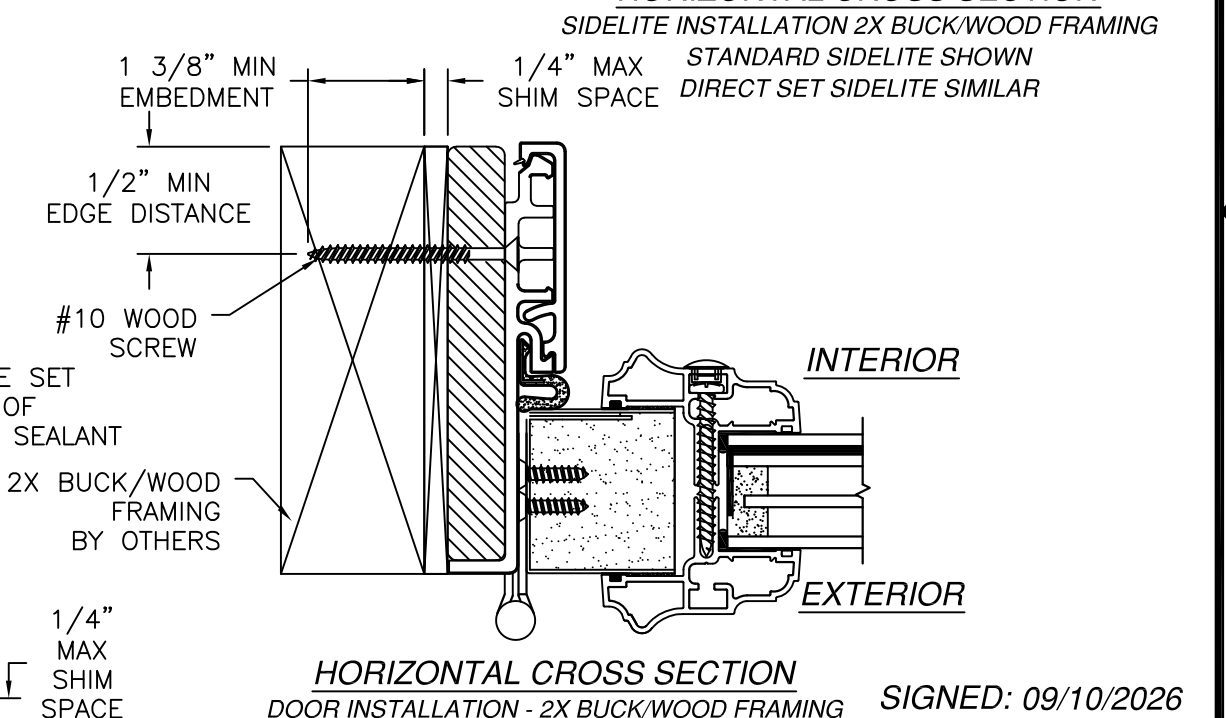
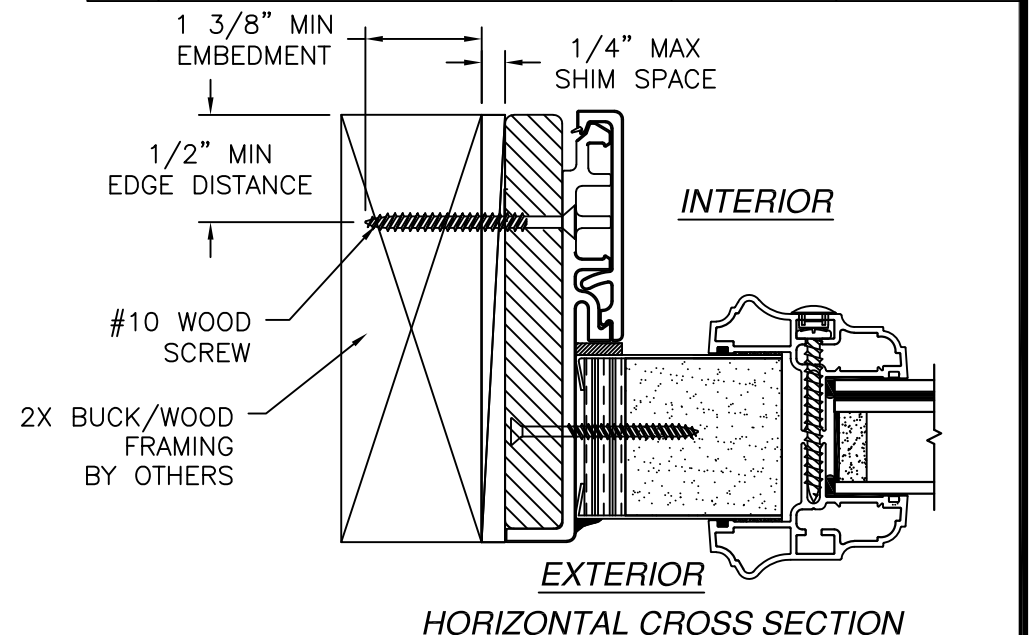
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**STEEL OUTSWING GLAZED DOUBLE DOOR  
WITH SIDELITES - IMPACT  
INSTALLATION DETAILS W/FUSION FRAME**

|                |                     |                  |
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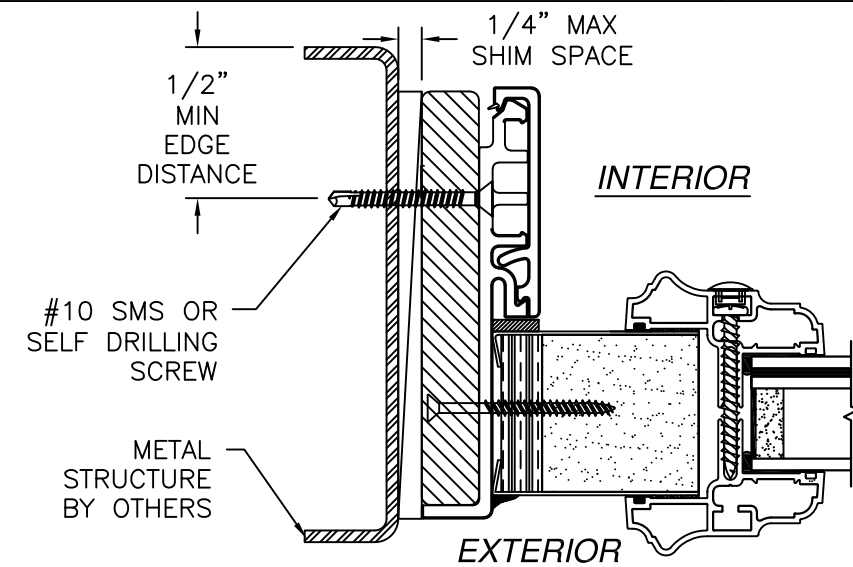
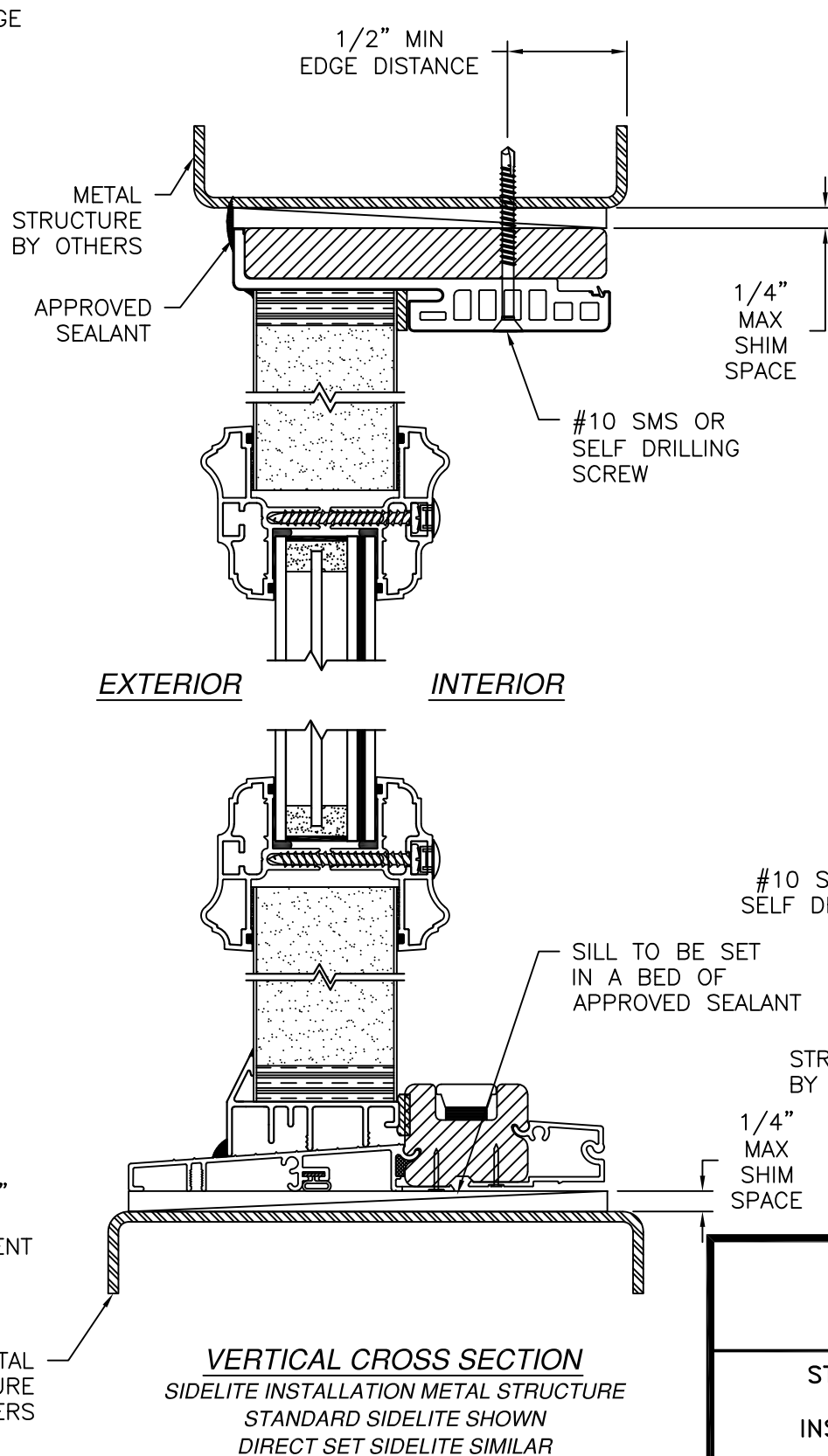
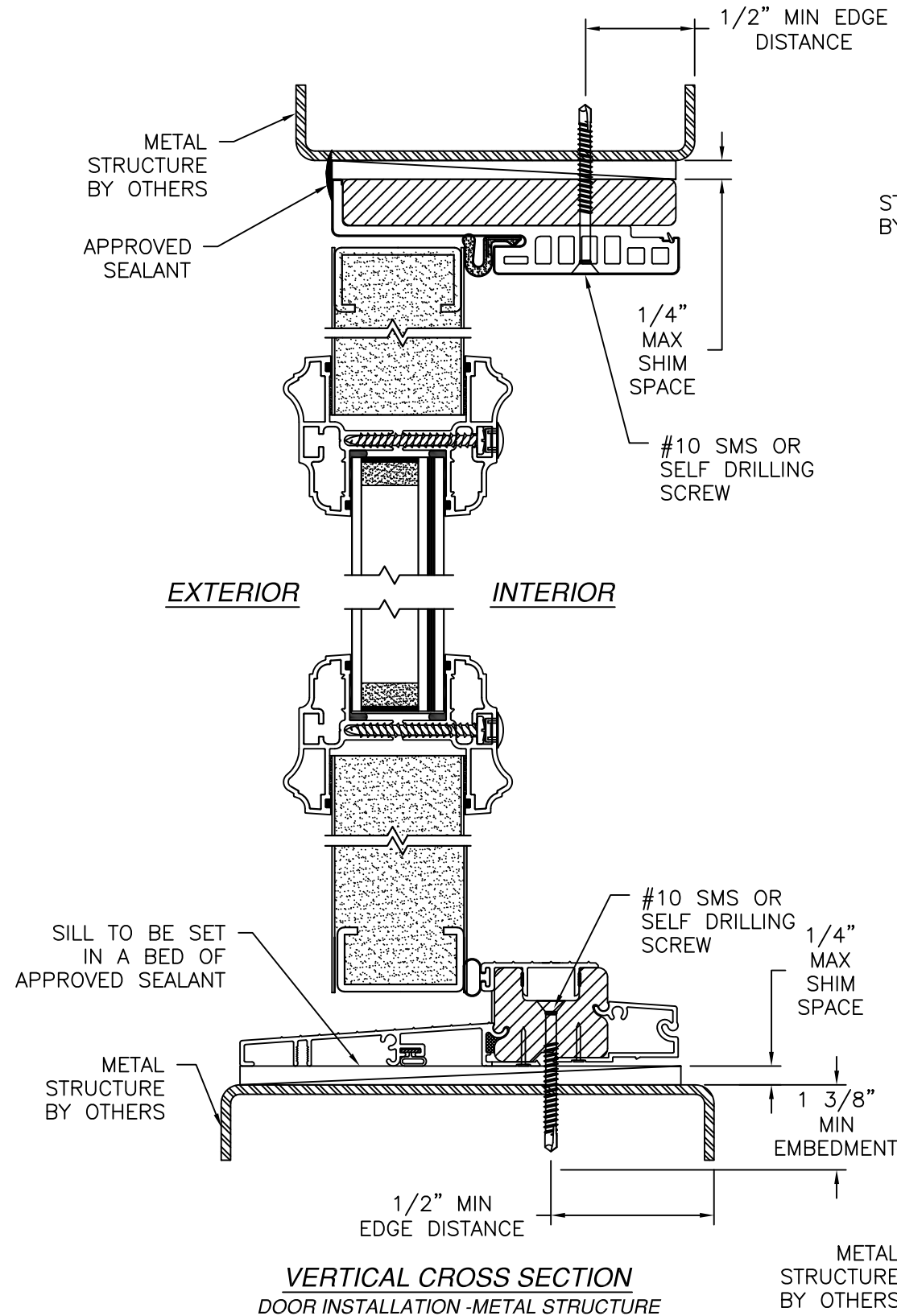
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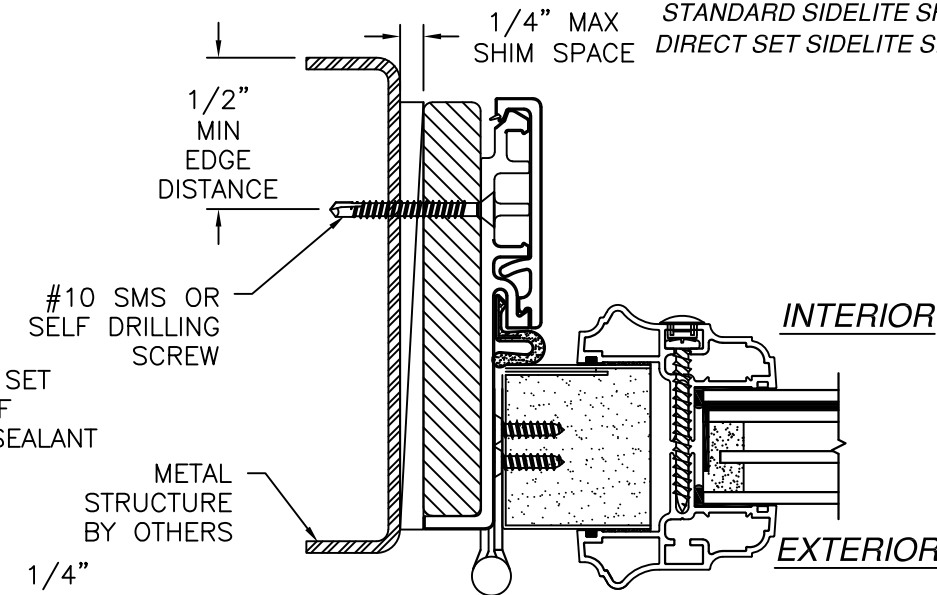
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**HORIZONTAL CROSS SECTION**  
SIDELITE INSTALLATION METAL STRUCTURE  
STANDARD SIDELITE SHOWN  
DIRECT SET SIDELITE SIMILAR



**HORIZONTAL CROSS SECTION**  
DOOR INSTALLATION - METAL STRUCTURE

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REV K

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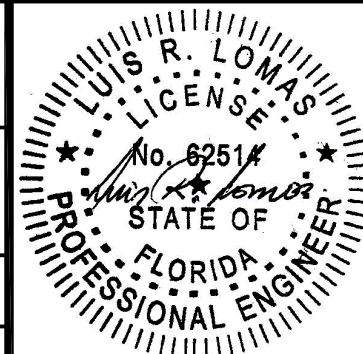
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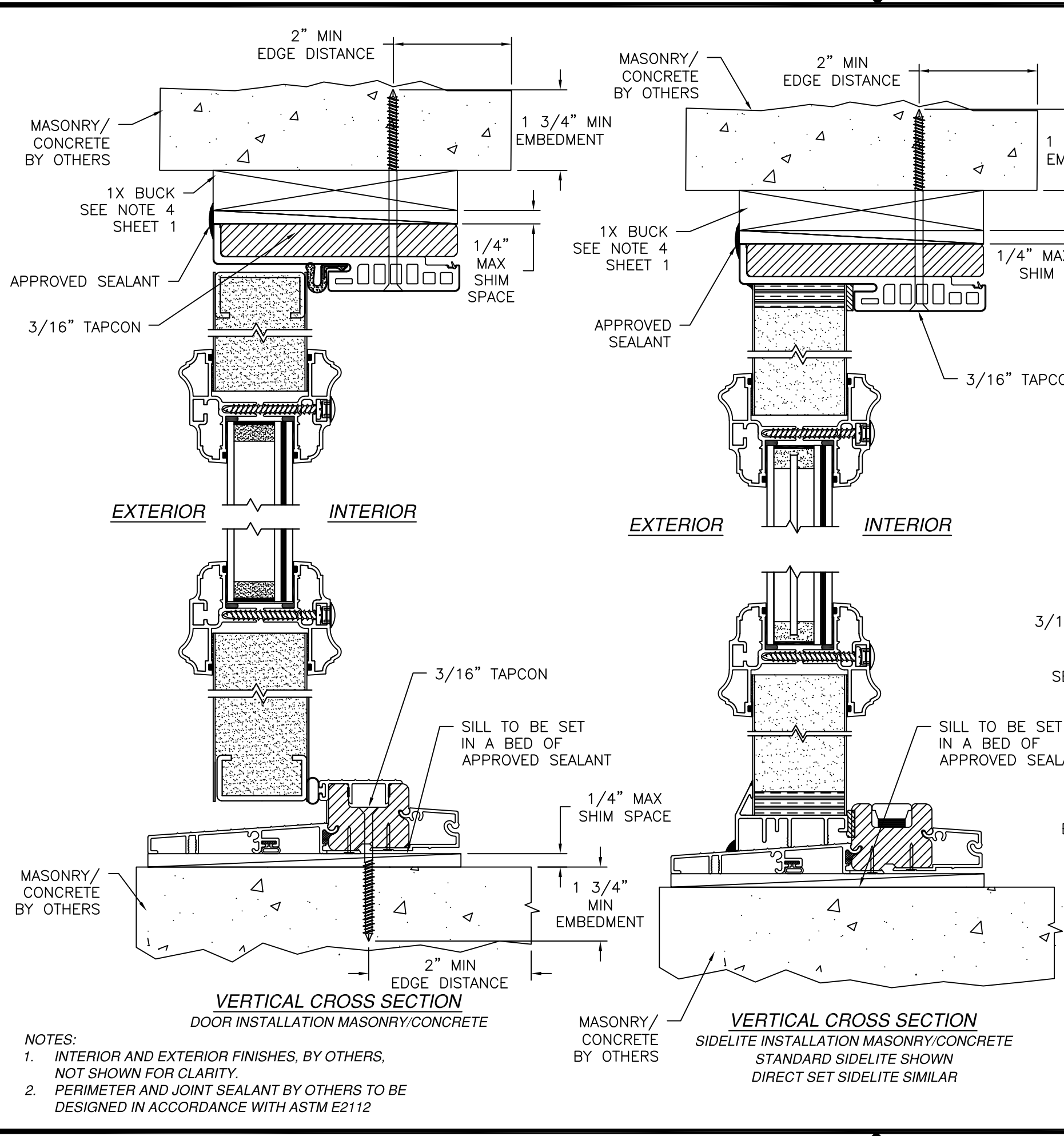
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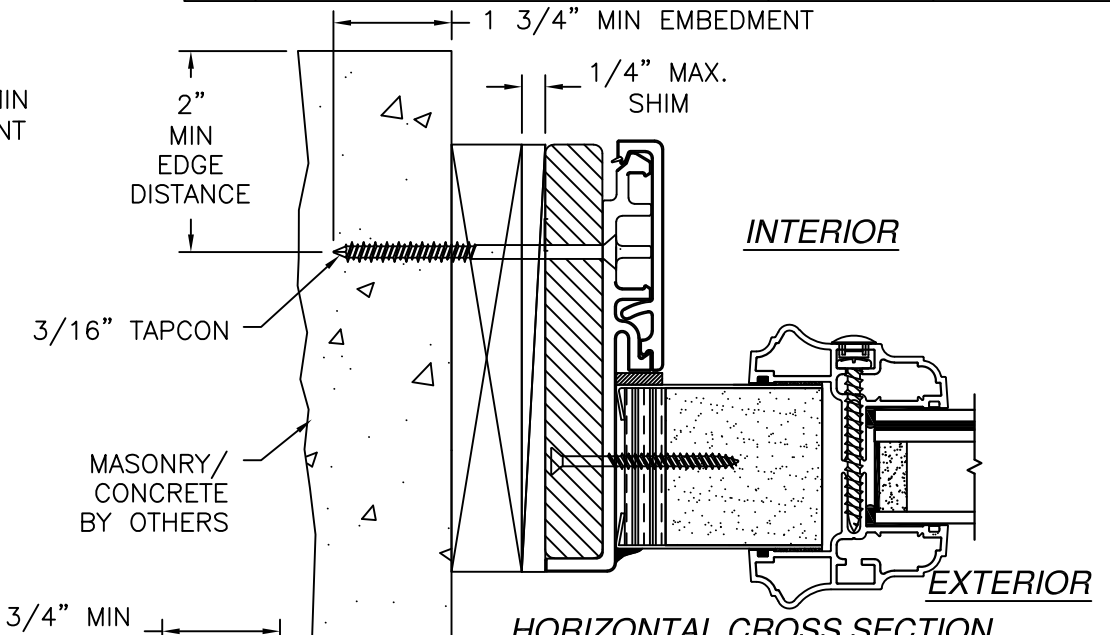
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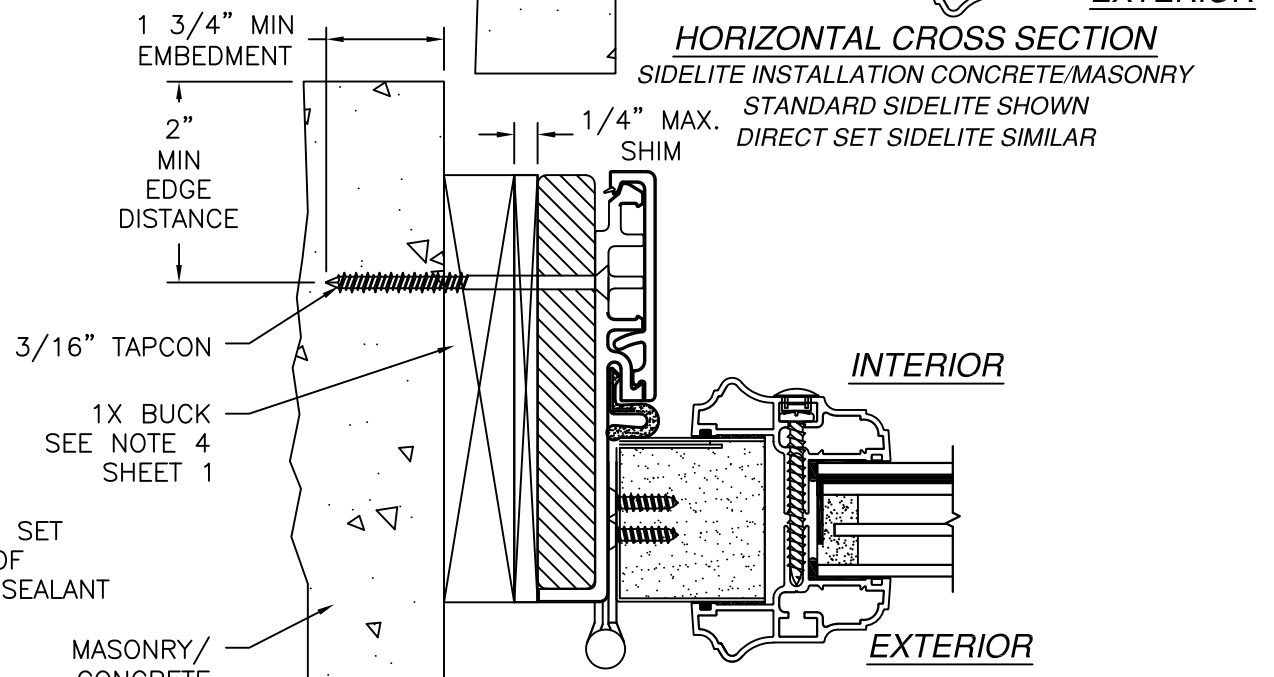
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| REV       | DESCRIPTION               | DATE     | APPROVED |
| K         | REVISED HARDWARE SCHEDULE | 09/10/26 | R.L.     |



**HORIZONTAL CROSS SECTION**  
SIDELITE INSTALLATION CONCRETE/MASONRY  
STANDARD SIDELITE SHOWN  
DIRECT SET SIDELITE SIMILAR



**HORIZONTAL CROSS SECTION**  
DOOR INSTALLATION CONCRETE/MASONRY

- 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

**VERTICAL CROSS SECTION**  
DOOR INSTALLATION MASONRY/CONCRETE

**VERTICAL CROSS SECTION**  
SIDELITE INSTALLATION MASONRY/CONCRETE  
STANDARD SIDELITE SHOWN  
DIRECT SET SIDELITE SIMILAR

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

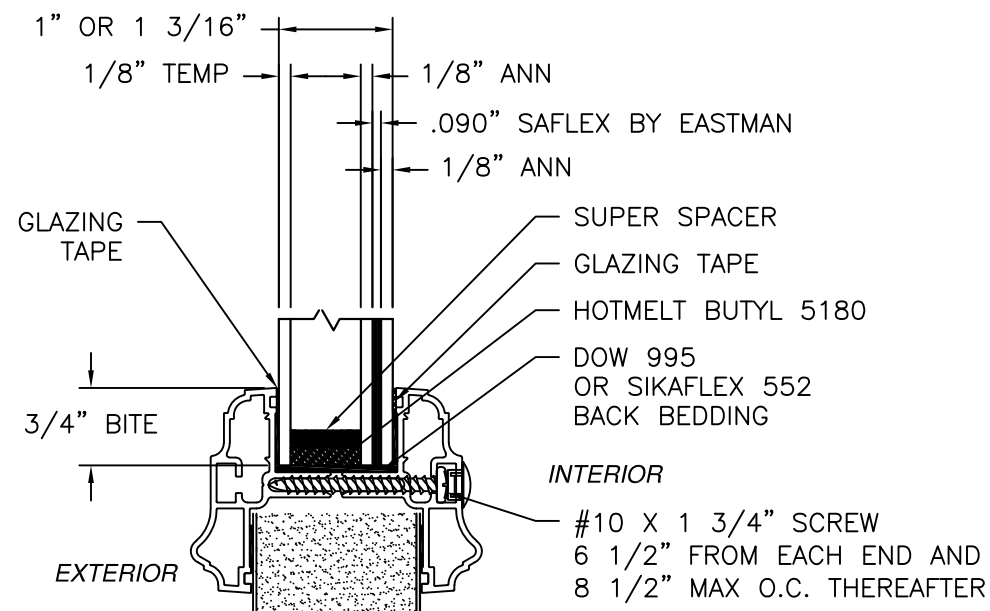
**STEEL OUTSWING GLAZED DOUBLE DOOR  
WITH SIDELITES – IMPACT  
INSTALLATION DETAILS W/FUSION FRAME**

|                |                     |                   |
|----------------|---------------------|-------------------|
| DRAWN:<br>J.L. | DWG NO.<br>08-02022 | REV<br>K          |
| SCALE<br>NTS   | DATE<br>05/10/13    | SHEET<br>10 OF 16 |

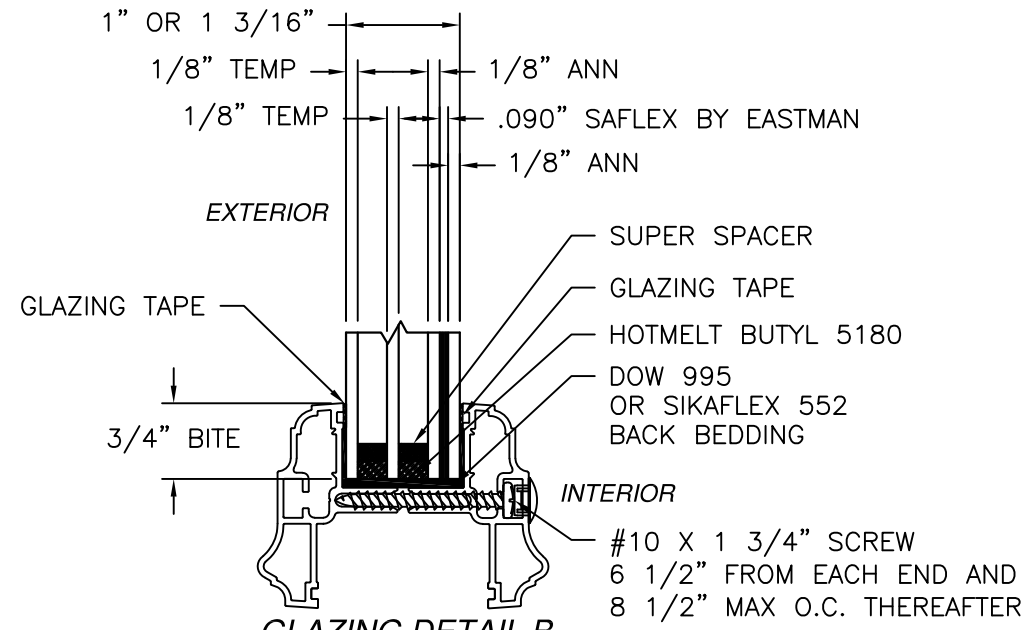
L. ROBERTO LOMAS P.E.  
208 7th Ave, INDIALANTIC, FL 32903  
434-688-0609 rllomas@lrlomaspe.com

**LUIS R. LOMAS**  
P.E.  
No. 62514  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

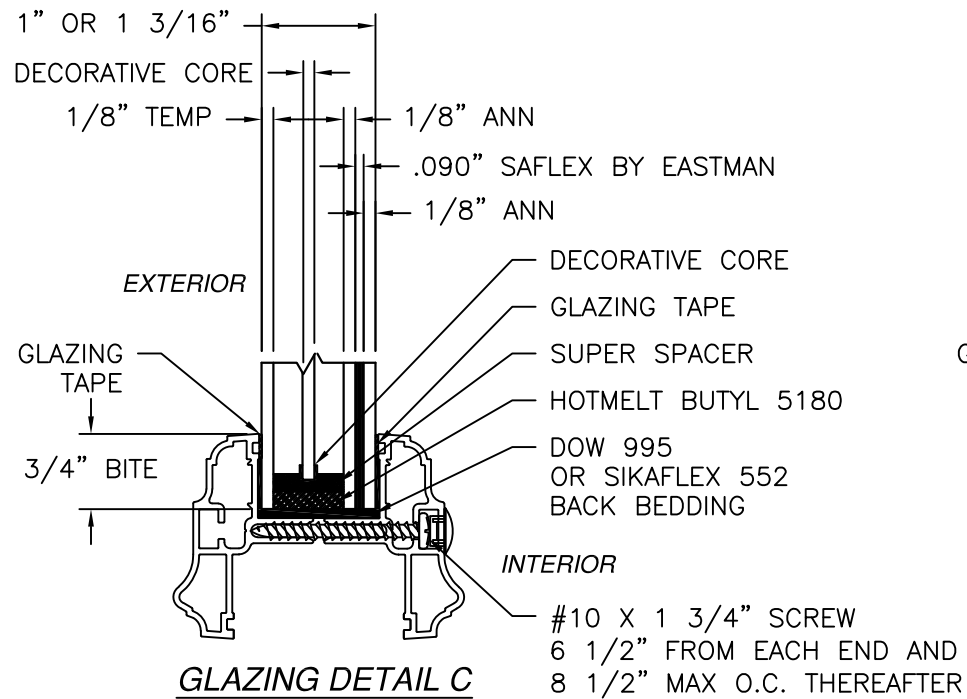
Luis R. Lomas P.E.  
FL No.: 62514



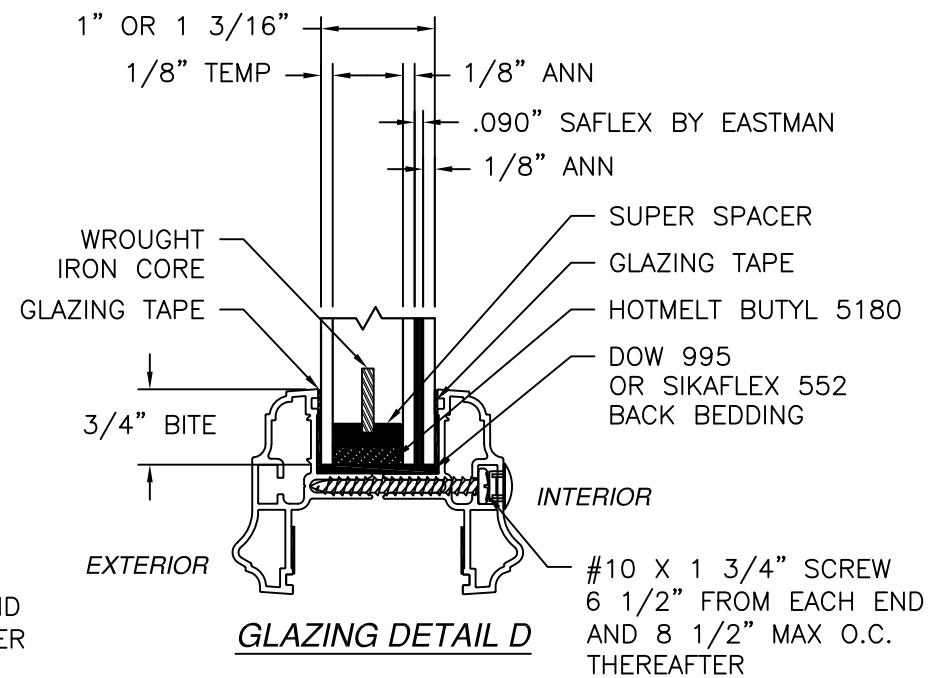
**GLAZING DETAIL A**



**GLAZING DETAIL B**



**GLAZING DETAIL C**

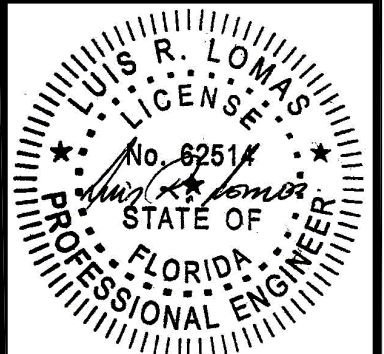


**GLAZING DETAIL D**

| REVISIONS |                           |          |          |
|-----------|---------------------------|----------|----------|
| REV       | DESCRIPTION               | DATE     | APPROVED |
| K         | REVISED HARDWARE SCHEDULE | 09/10/26 | R.L.     |

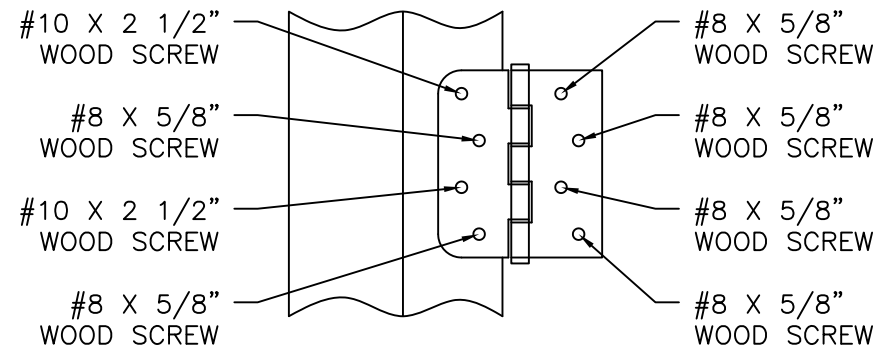
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| <b>PROVIA, LLC.</b><br>2150 STATE ROUTE 39 WEST<br>SUGARCREEK, OH 44681                           |                     |                   |
| <b>STEEL OUTSWING GLAZED DOUBLE DOOR<br/>WITH SIDELITES – IMPACT<br/>GLAZING DETAILS</b>          |                     |                   |
| DRAWN:<br>J.L.                                                                                    | DWG NO.<br>08-02022 | REV<br>K          |
| SCALE<br>NTS                                                                                      | DATE<br>05/10/13    | SHEET<br>11 OF 16 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |                   |

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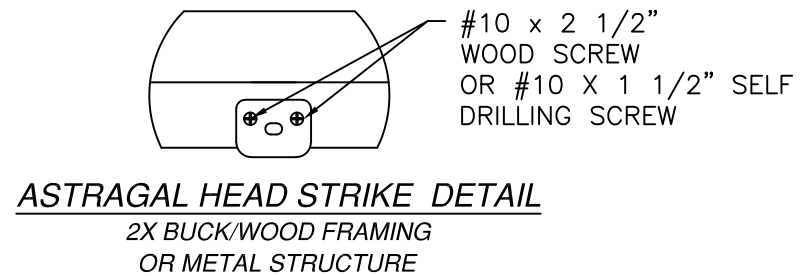


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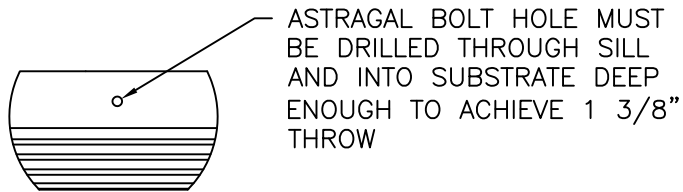
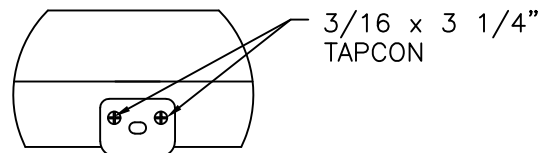
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|-----------|---------------------------|----------|----------|
| REV       | DESCRIPTION               | DATE     | APPROVED |
| K         | REVISED HARDWARE SCHEDULE | 09/10/26 | R.L.     |



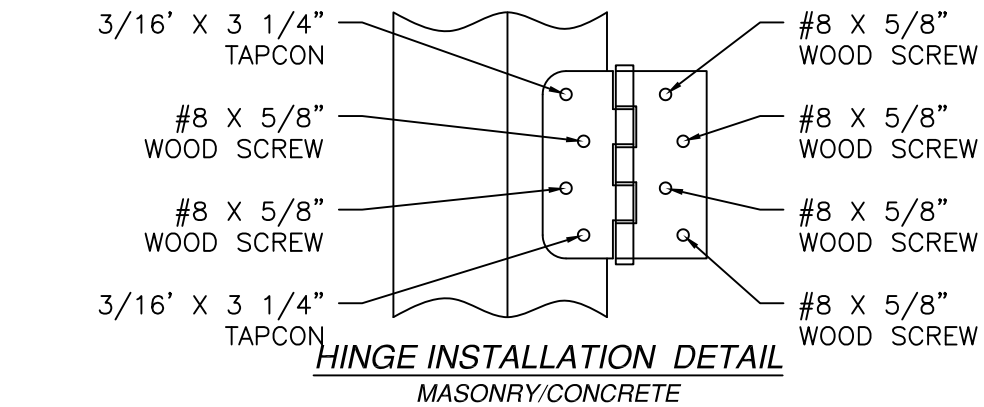
**HINGE INSTALLATION DETAIL**  
2X BUCK/WOOD FRAMING



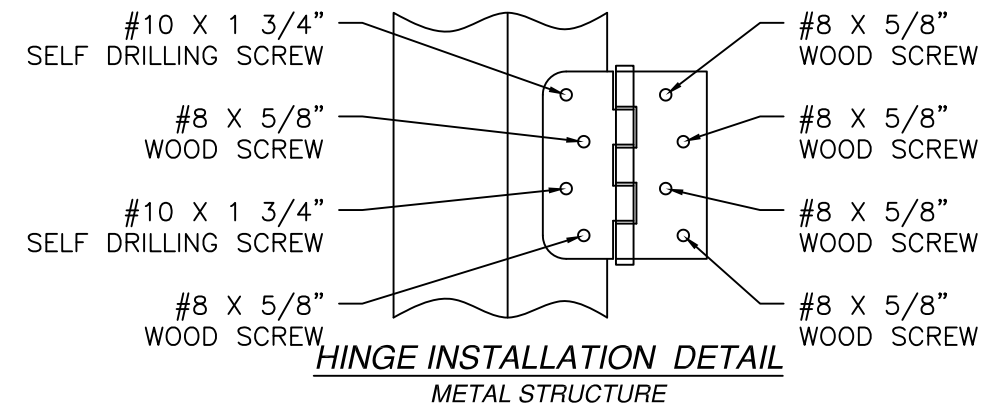
**ASTRAGAL HEAD STRIKE DETAIL**  
MASONRY/CONCRETE



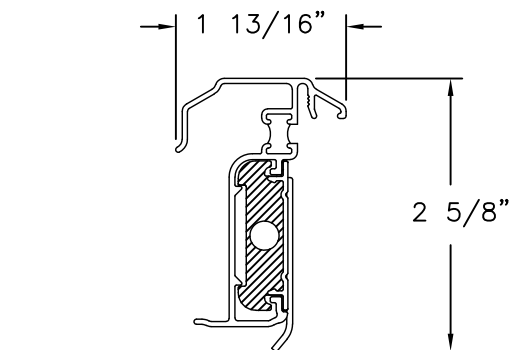
**ASTRAGAL SILL DETAIL**



**HINGE INSTALLATION DETAIL**  
MASONRY/CONCRETE



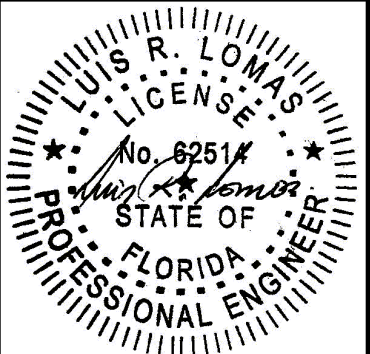
**HINGE INSTALLATION DETAIL**  
METAL STRUCTURE



**HURRICANE ASTRAGAL DETAIL**

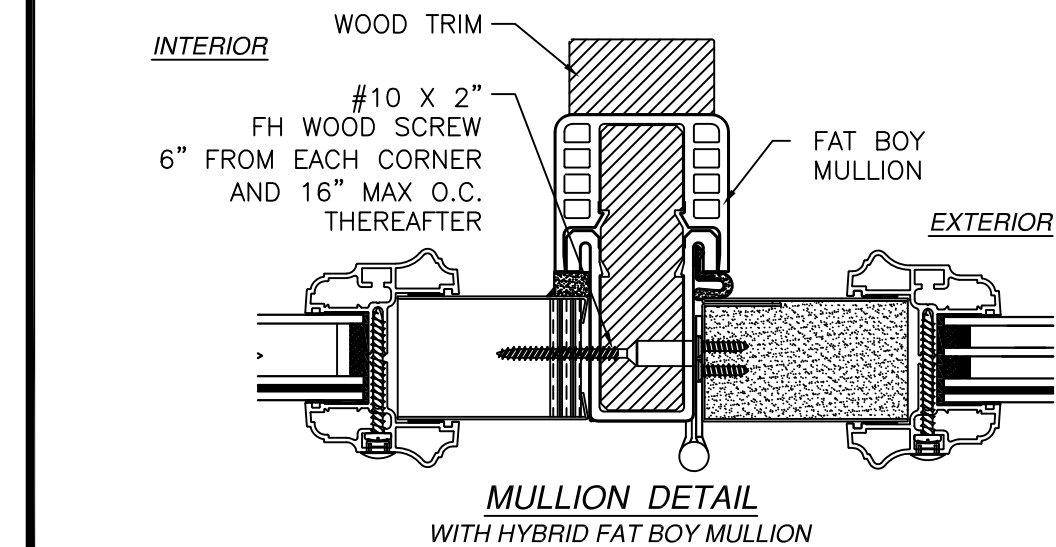
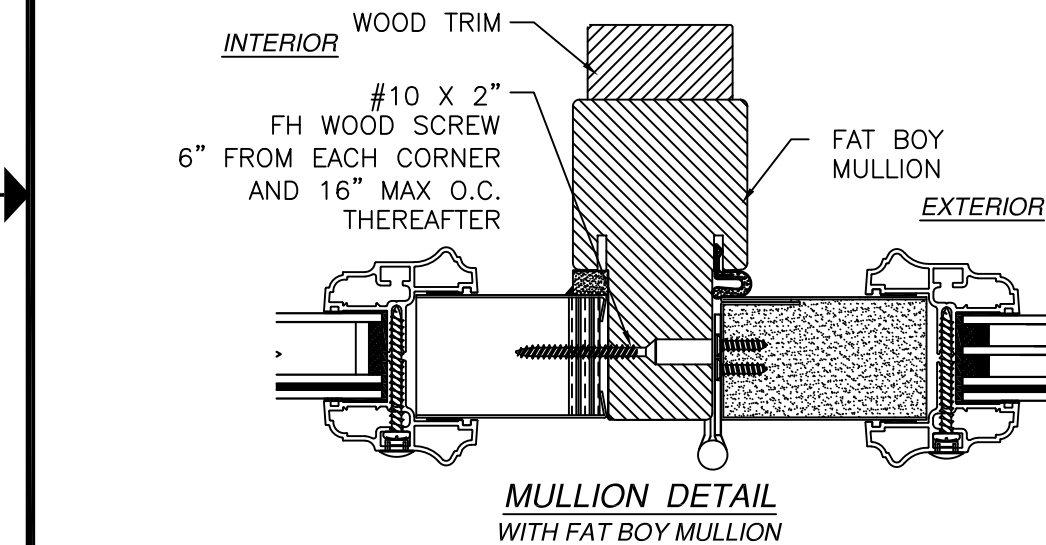
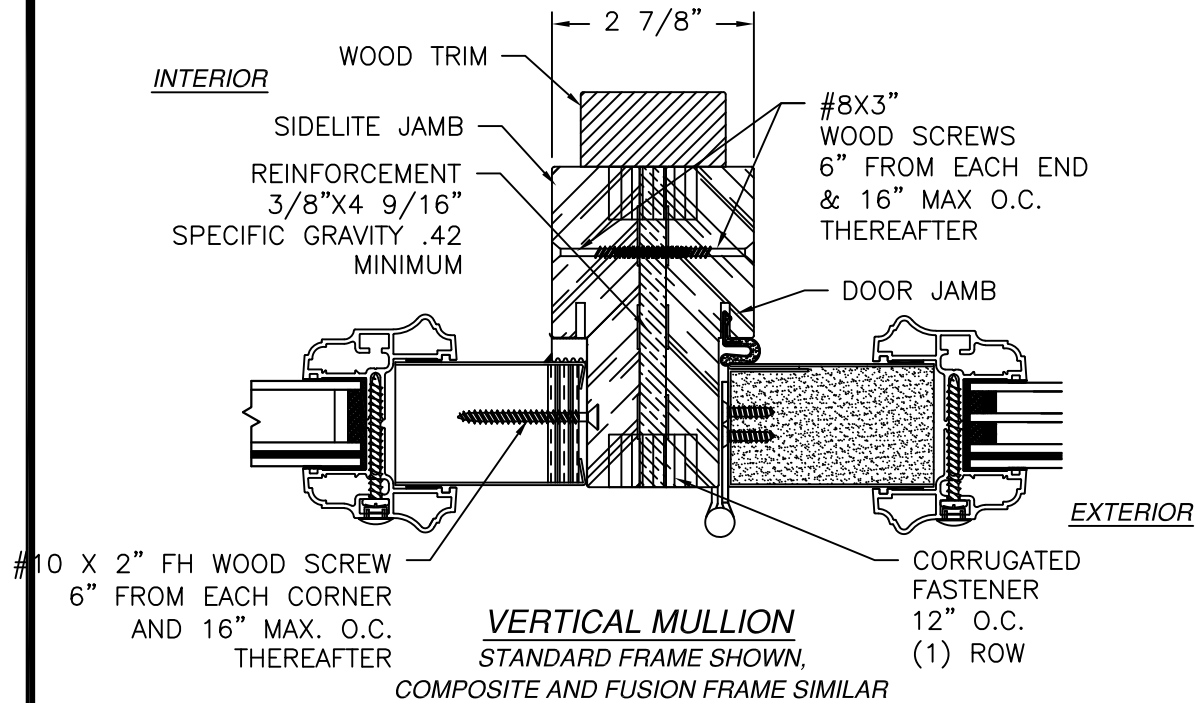
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| PROVIA, LLC.<br>2150 STATE ROUTE 39 WEST<br>SUGARCREEK, OH 44681                                  |                     |                   |
| STEEL OUTSWING GLAZED DOUBLE DOOR<br>WITH SIDELITES – IMPACT<br>COMPONENTS DETAILS                |                     |                   |
| DRAWN:<br>J.L.                                                                                    | DWG NO.<br>08-02022 | REV<br>K          |
| SCALE<br>NTS                                                                                      | DATE<br>05/10/13    | SHEET<br>12 OF 16 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |                   |

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FL No.: 62514

| REVISIONS |                           |          |          |
|-----------|---------------------------|----------|----------|
| REV       | DESCRIPTION               | DATE     | APPROVED |
| K         | REVISED HARDWARE SCHEDULE | 09/10/26 | R.L.     |



PROVIA, LLC.

2150 STATE ROUTE 39 WEST  
SUGARCREEK, OH 44681

STEEL OUTSWING GLAZED DOUBLE DOOR  
WITH SIDELITES – IMPACT  
MULLION DETAILS

DRAWN: J.L.

DWG NO. 08-02022

REV K

SCALE NTS

DATE 05/10/13

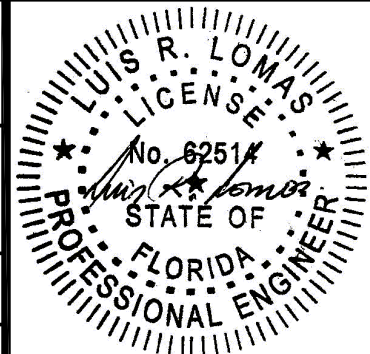
SHEET 13 OF 16

L. ROBERTO LOMAS P.E.

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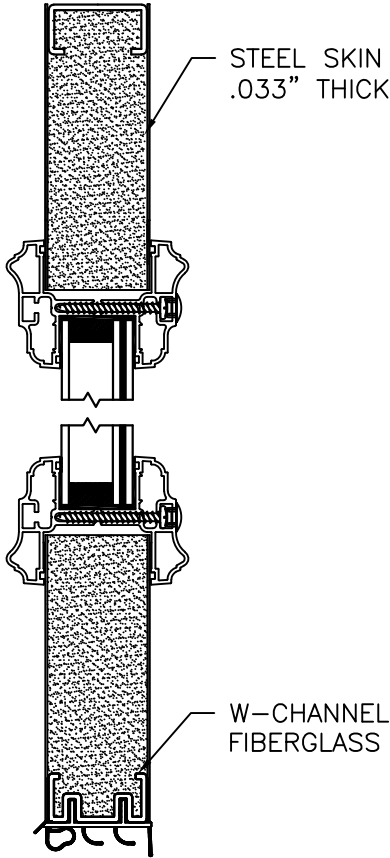
SIGNED: 09/10/2026



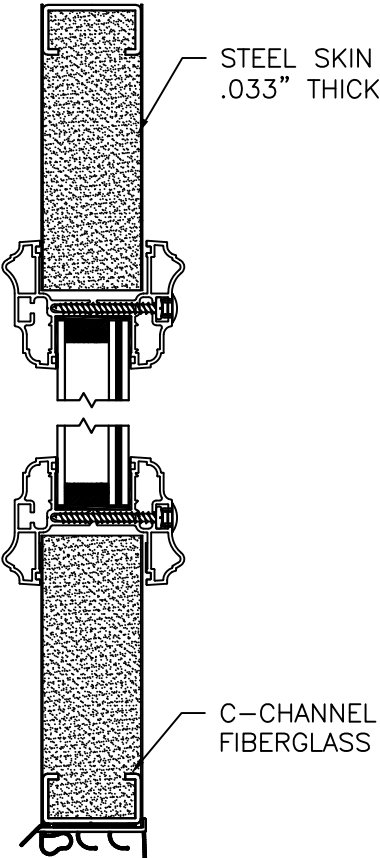
Luis R. Lomas P.E.  
FL No.: 62514

APPROVED SLABS AND TRIMS

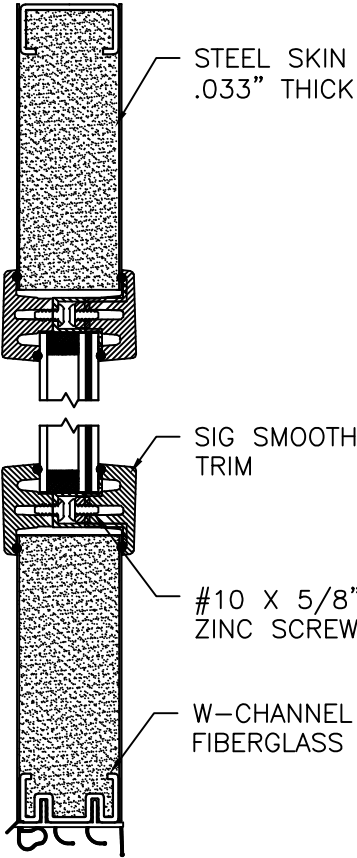
| REVISIONS |                           |          |          |
|-----------|---------------------------|----------|----------|
| REV       | DESCRIPTION               | DATE     | APPROVED |
| K         | REVISED HARDWARE SCHEDULE | 09/10/26 | R.L.     |



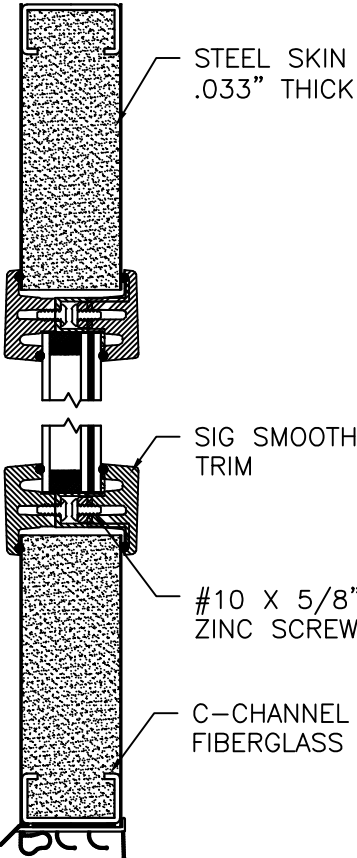
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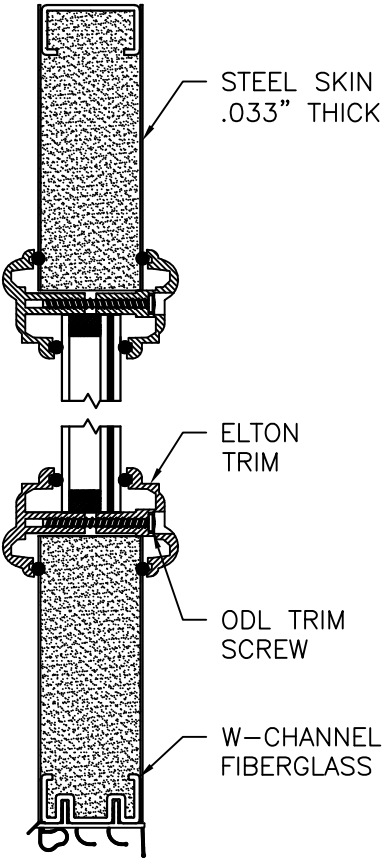
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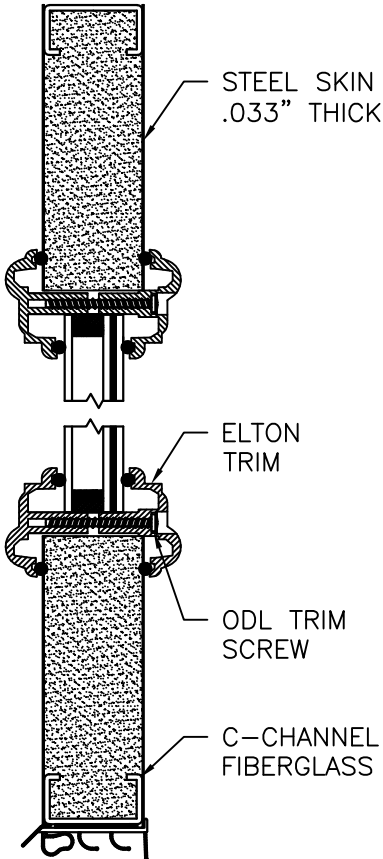
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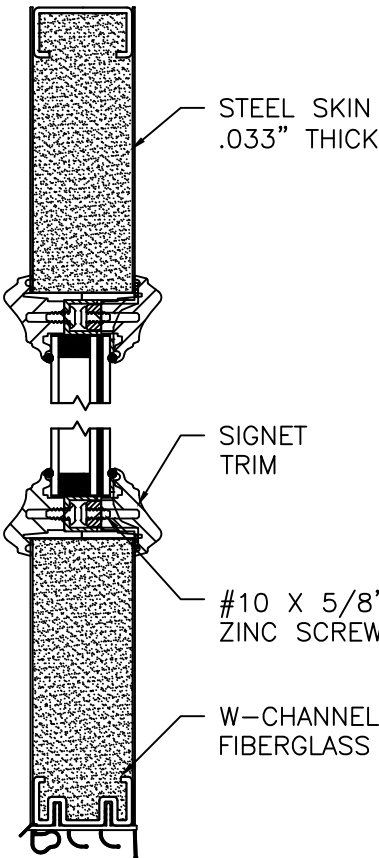
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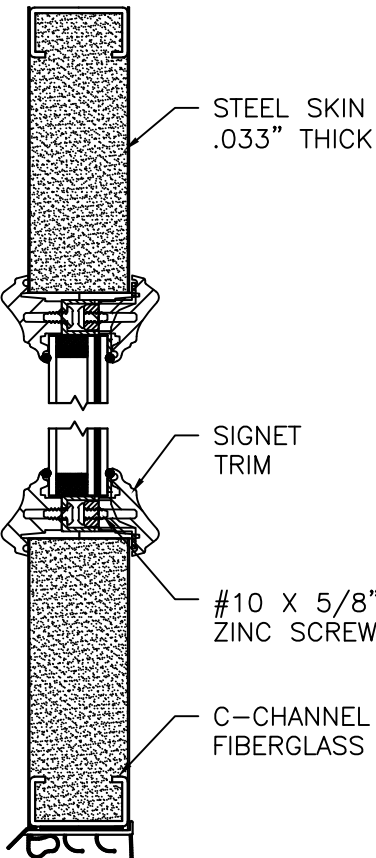
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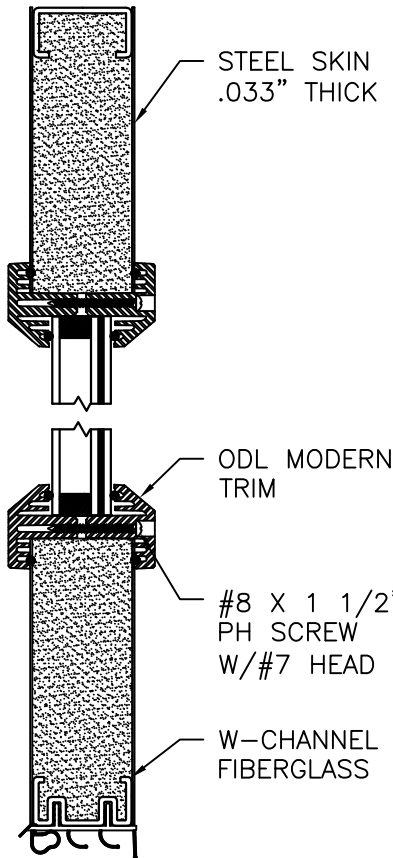
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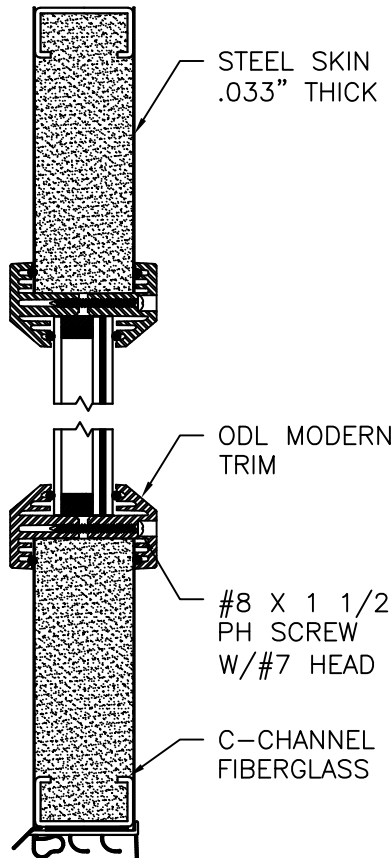
PANEL OPTION 5



PANEL OPTION 6



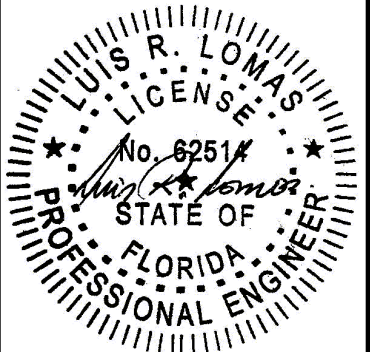
PANEL OPTION 7



PANEL OPTION 8

|                                                                                                   |                     |                   |
|---------------------------------------------------------------------------------------------------|---------------------|-------------------|
| PROVIA, LLC.<br>2150 STATE ROUTE 39 WEST<br>SUGARCREEK, OH 44681                                  |                     |                   |
| STEEL OUTSWING GLAZED DOUBLE DOOR<br>WITH SIDELITES - IMPACT<br>MULLION DETAILS                   |                     |                   |
| DRAWN:<br>J.L.                                                                                    | DWG NO.<br>08-02022 | REV<br>K          |
| SCALE<br>NTS                                                                                      | DATE<br>05/10/13    | SHEET<br>14 OF 16 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |                   |

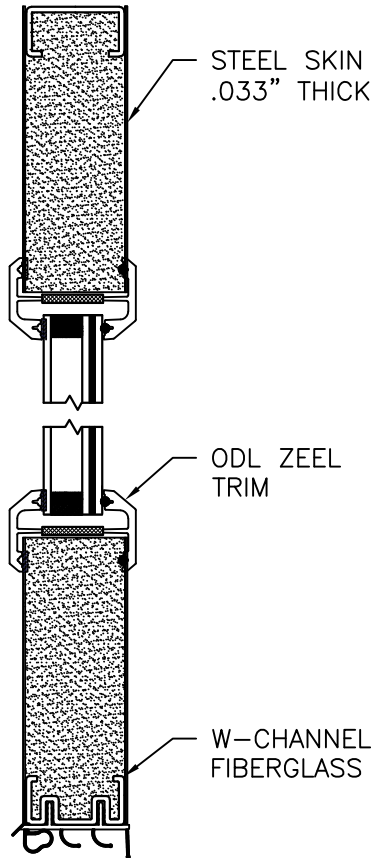
SIGNED: 09/10/2026



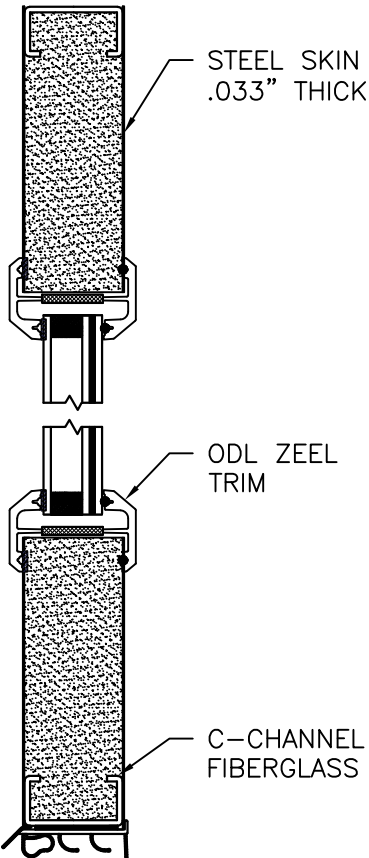
Luis R. Lomas P.E.  
FL No.: 62514

APPROVED SLABS AND TRIMS

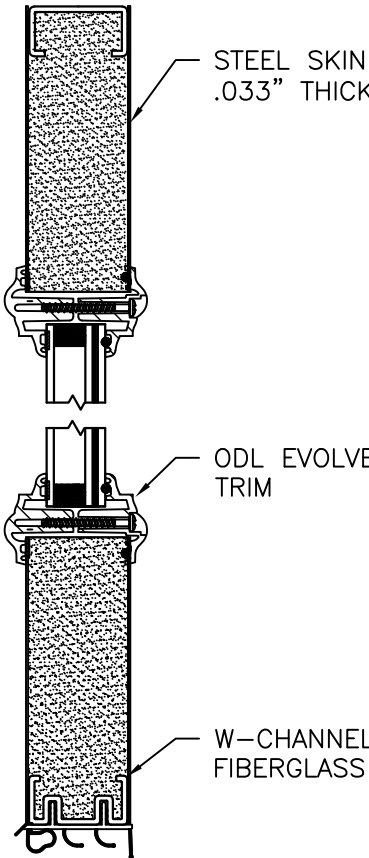
| REVISIONS |                           |          |          |
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| REV       | DESCRIPTION               | DATE     | APPROVED |
| K         | REVISED HARDWARE SCHEDULE | 09/10/26 | R.L.     |



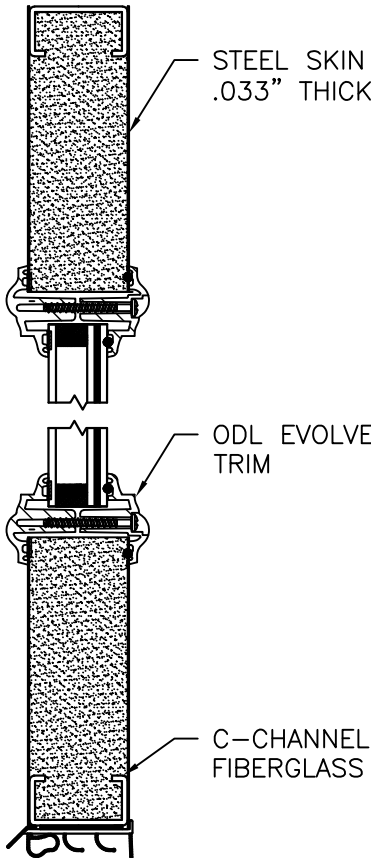
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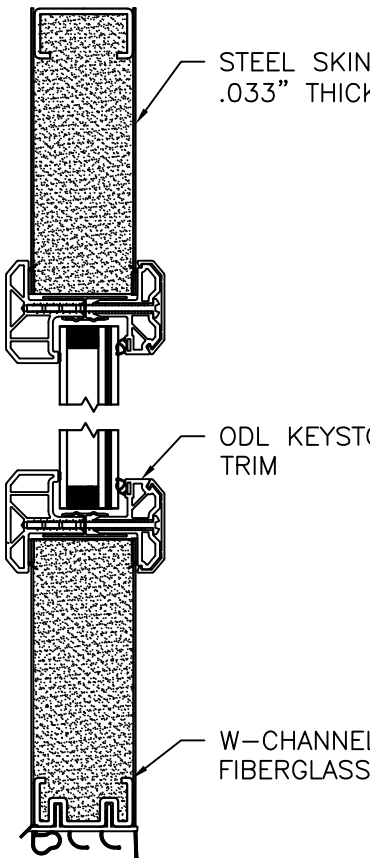
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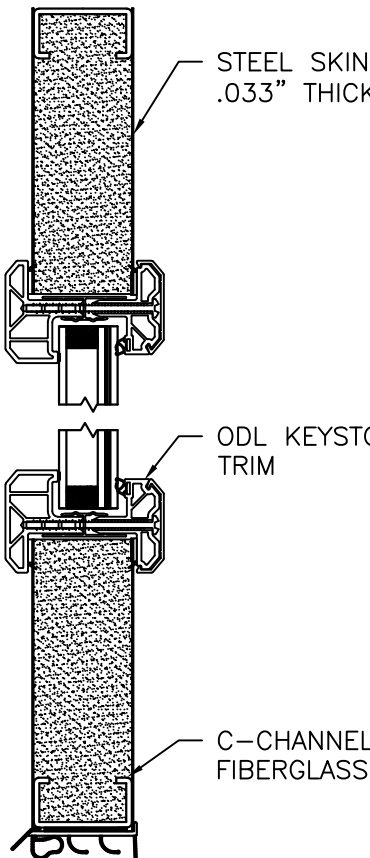
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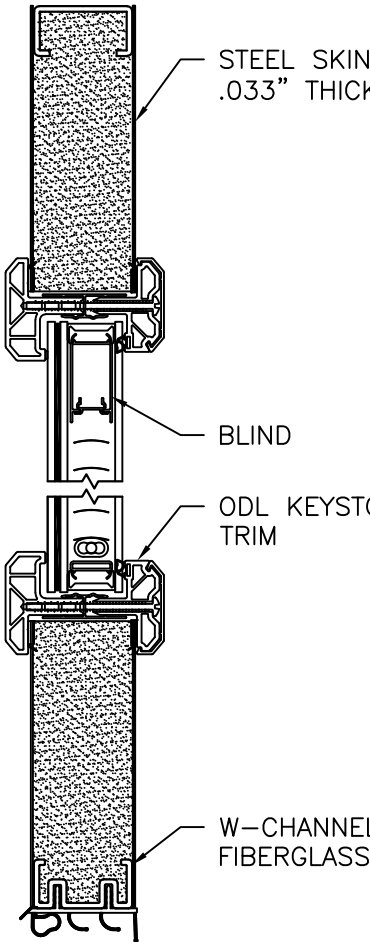
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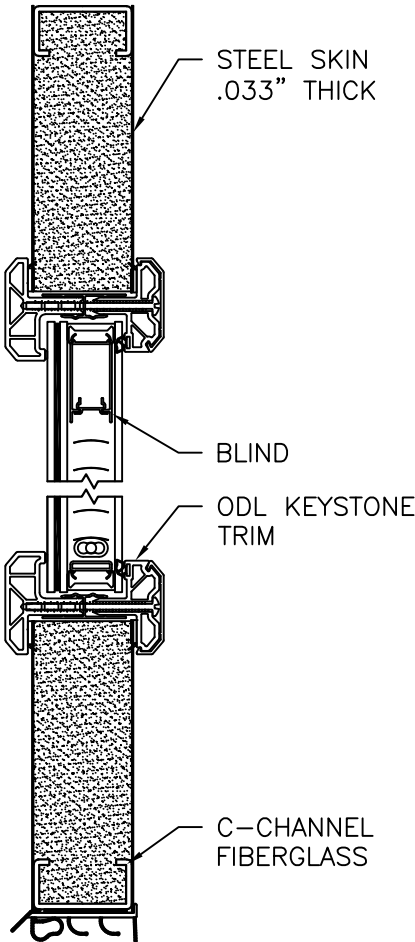
PANEL OPTION 17



PANEL OPTION 18



PANEL OPTION 15



PANEL OPTION 16

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

STEEL OUTSWING GLAZED DOUBLE DOOR  
WITH SIDELITES – IMPACT  
MULLION DETAILS

DRAWN:  
J.L.

DWG NO.  
08-02022

REV  
K

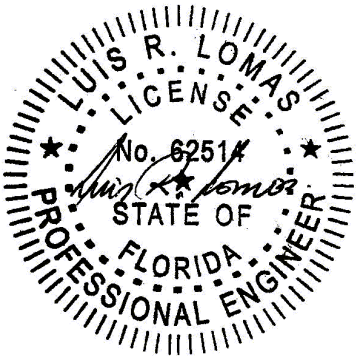
SCALE  
NTS

DATE  
05/10/13

SHEET  
15 OF 16

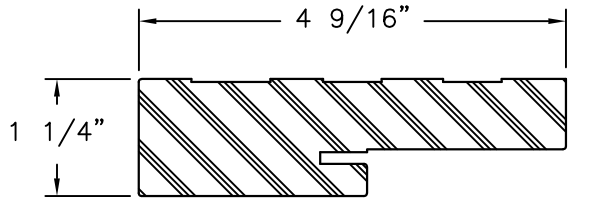
L. ROBERTO LOMAS P.E.  
208 7th Ave, INDIALANTIC, FL 32903  
434-688-0609    rllomas@lrlomaspe.com

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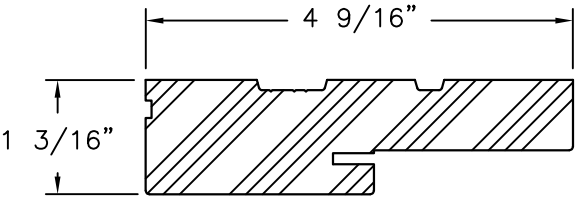


Luis R. Lomas P.E.  
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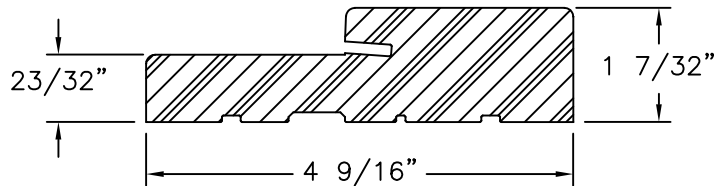
| REVISIONS |                           |          |          |
|-----------|---------------------------|----------|----------|
| REV       | DESCRIPTION               | DATE     | APPROVED |
| K         | REVISED HARDWARE SCHEDULE | 09/10/26 | R.L.     |



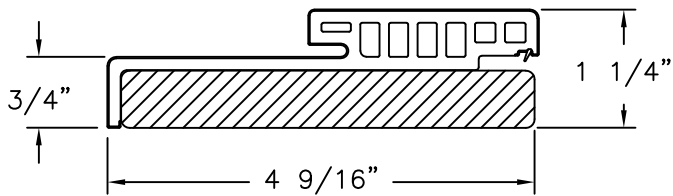
COMPOSITE FRAME PROFILE



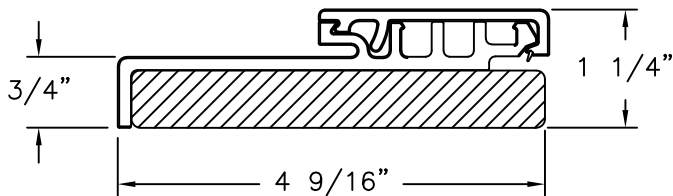
WOOD FRAME PROFILE



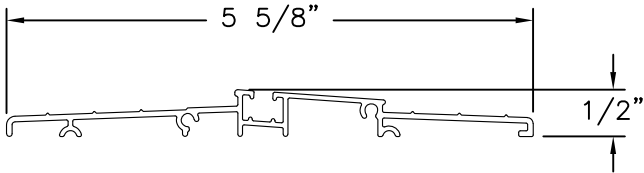
FRAMESAVER  
COMPOSITE



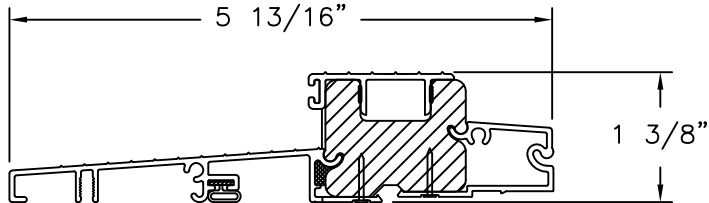
HYBRID HEAD  
WOOD/COMPOSITE



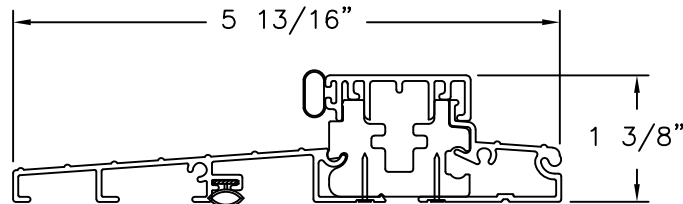
HYBRID JAMB  
WOOD/COMPOSITE



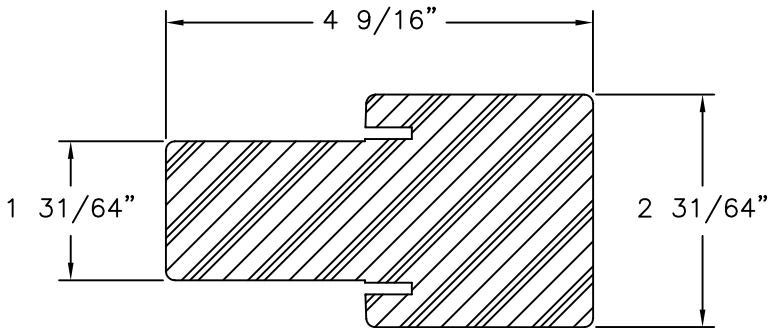
ADA THRESHOLD



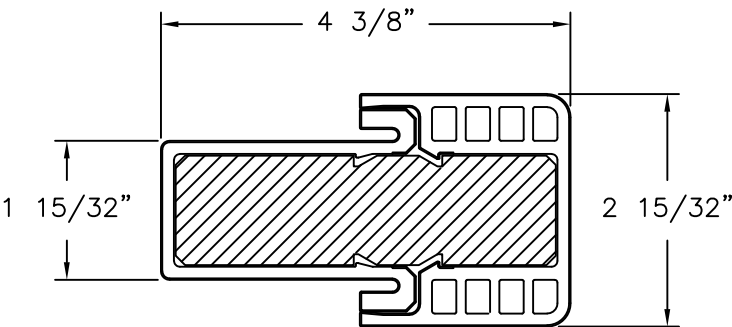
SAHARA OUTSWING THRESHOLD



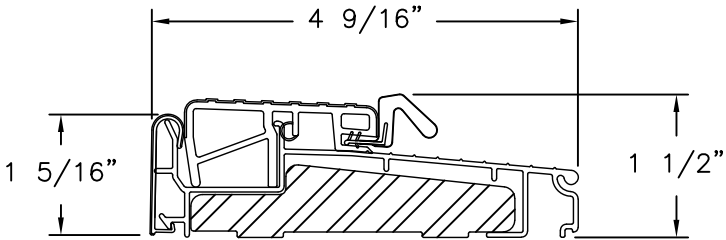
STANDARD OUTSWING THRESHOLD



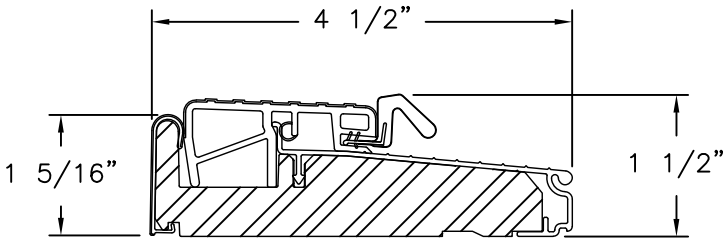
FAT BOY MULLION  
COMPOSITE



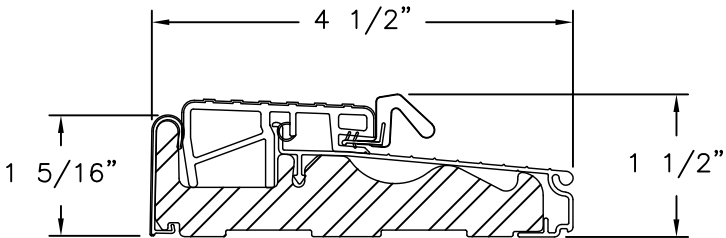
HYBRID FAT BOY MULLION  
COMPOSITE



OUTSWING SILL ZOBL4565



OUTSWING SILL ZOB4565F



OUTSWING SILL ZOBLH4565

PROVIA, LLC.

2150 STATE ROUTE 39 WEST  
SUGARCREEK, OH 44681

STEEL OUTSWING GLAZED DOUBLE DOOR  
WITH SIDELITES – IMPACT  
COMPONENTS

DRAWN: J.L.

DWG NO. 08-02022

REV K

SCALE NTS

DATE 05/10/13

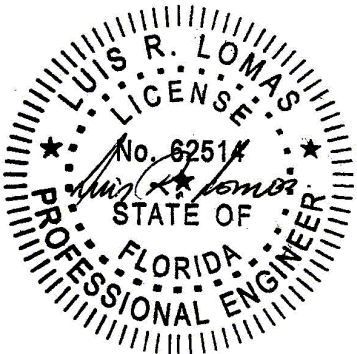
SHEET 16 OF 16

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

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SIGNED: 09/10/2026



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