

| REVISIONS |                                    |            |          |
|-----------|------------------------------------|------------|----------|
| REV       | DESCRIPTION                        | DATE       | APPROVED |
| I         | REVISE TRIMS AND HARDWARE SCHEDULE | 11/14/2023 | 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).  
SIDELITE SKIN MATERIAL: STEEL .022” THICK (MINIMUM)
7. SIDELITES AND TRANSOM 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.

SIGNED: 12/26/2023

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

STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR  
W/SIDELITES & TRANSOM – IMPACT  
NOTES

DRAWN:  
N.G.

DWG NO.  
08-02037

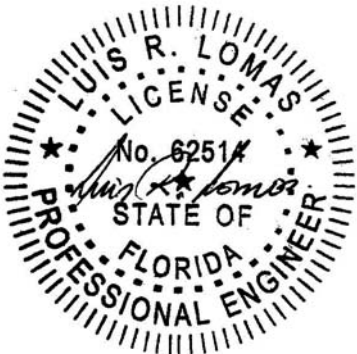
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DATE 05/22/13

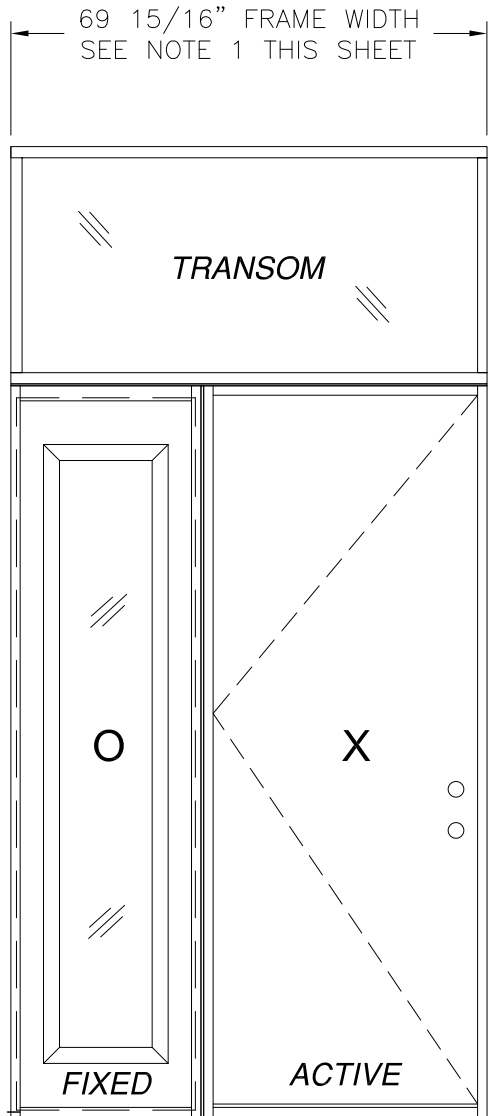
SHEET 1 OF 17

L. ROBERTO LOMAS P.E.  
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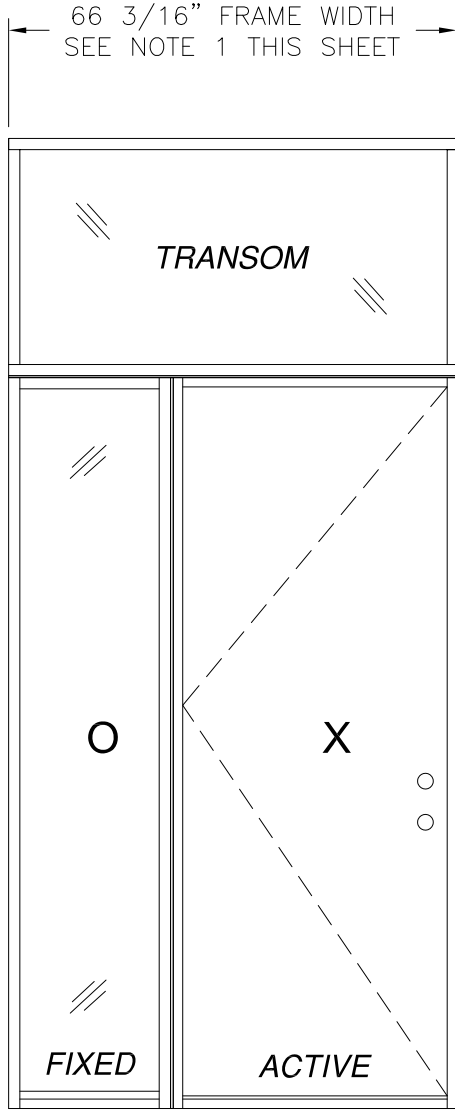


Luis R. Lomas P.E.  
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1/2" MULLION MINIMUM  
SEE NOTE 3  
THIS SHEET  
& DETAILS B & C  
SHEET 16



1/2" MULLION MINIMUM  
SEE NOTE 3  
THIS SHEET  
& DETAILS B & C  
SHEET 16

- NOTES:
1. MAXIMUM ALLOWED BUILDUP TO BE 7".
  2. IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED.
  3. IF TRANSOM HEIGHT IS 16" OR LESS NO HORIZONTAL MULLON IS REQUIRED.

**SINGLE DOOR W/ STD SIDELITE AND TRANSOM**

EXTERIOR VIEW  
OX SHOWN XO ALSO APPROVED

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

MISSILE LEVEL D, WIND ZONE 3

**SINGLE DOOR W/ DIRECT SET SIDELITE AND TRANSOM**

EXTERIOR VIEW  
OX SHOWN XO ALSO APPROVED

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

MISSILE LEVEL D, WIND ZONE 3

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STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR  
W/SIDELITES & TRANSOM – IMPACT  
ELEVATIONS

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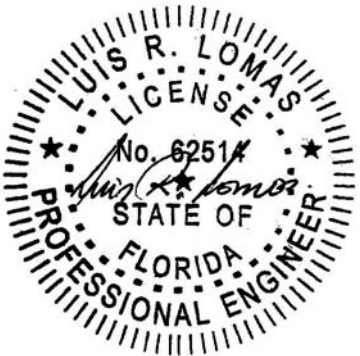
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SHEET  
2 OF 17

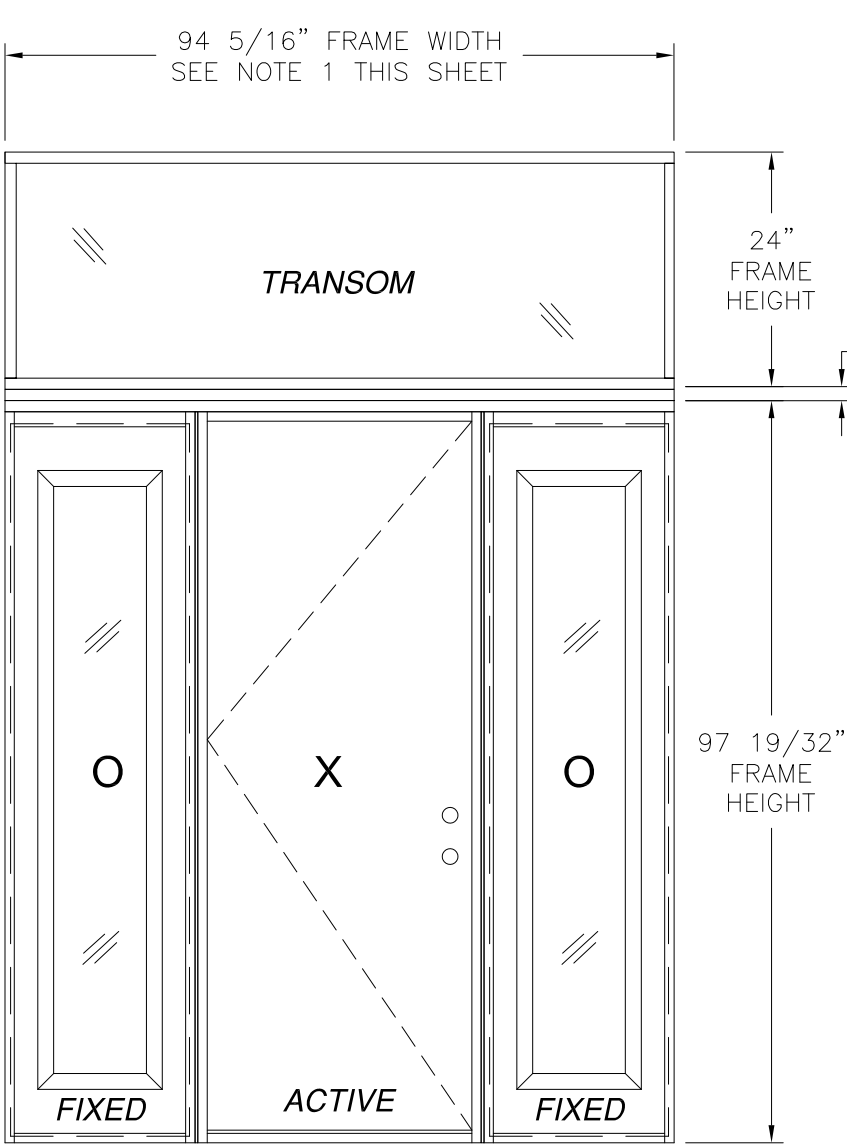
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SIGNED: 12/26/2023

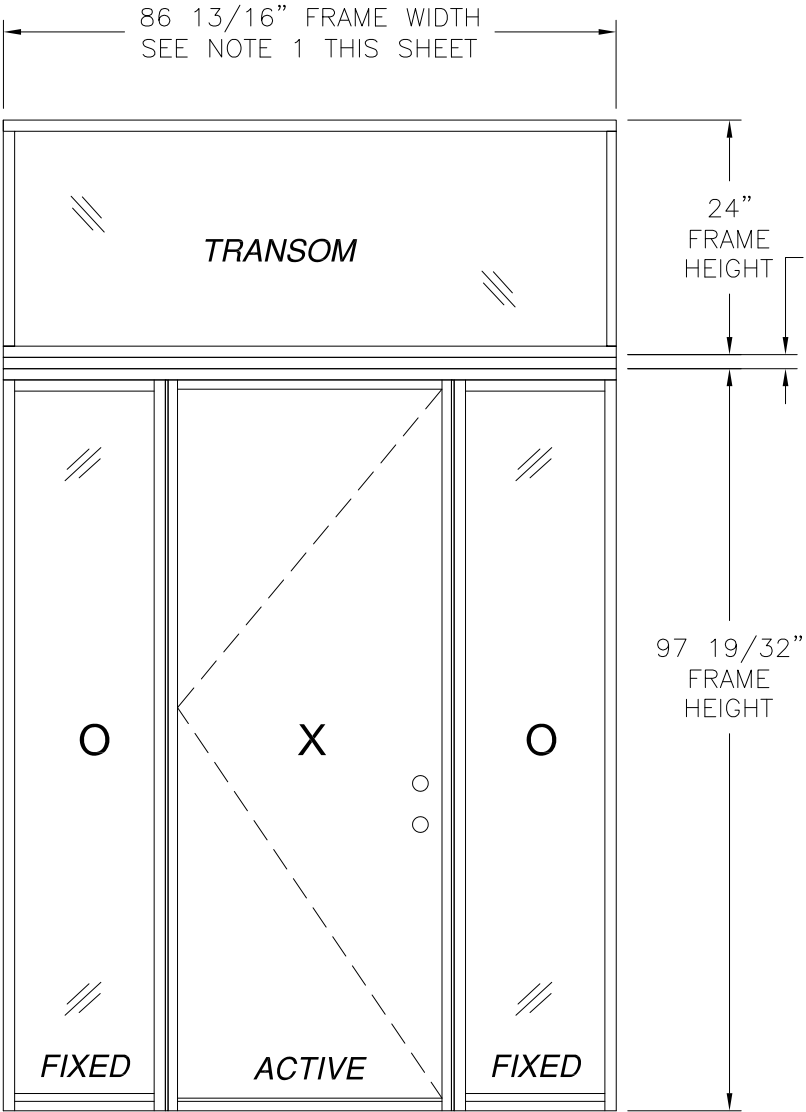


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1 3/4"  
MULLION  
MINIMUM  
SEE DETAIL D  
SHEET 16



1 3/4"  
MULLION  
MINIMUM  
SEE DETAIL D  
SHEET 16

- NOTES:
1. MAXIMUM ALLOWED BUILDUP TO BE 3" AT EACH VERTICAL MULLION.
  2. IF SIDELITE WIDTH IS 16" OR LESS NO VERTICAL MULLION IS REQUIRED

3/8" MULLION  
MINIMUM  
SEE NOTES  
1 AND 2  
THIS SHEET  
& DETAILS A & C  
SHEET 16

3/8" MULLION  
MINIMUM  
SEE NOTES  
1 AND 2  
THIS SHEET  
& DETAILS A & C  
SHEET 16

3/8" MULLION  
MINIMUM  
SEE NOTES  
1 AND 2  
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SHEET 16

3/8" MULLION  
MINIMUM  
SEE NOTES  
1 AND 2  
THIS SHEET  
& DETAILS A & C  
SHEET 16

**SINGLE DOOR W/ STD SIDELITES AND TRANSOM**  
EXTERIOR VIEW

| DESIGN PRESSURE RATING | IMPACT RATING           |
|------------------------|-------------------------|
| ±55.0PSF               | LARGE<br>MISSILE IMPACT |

MISSILE LEVEL D, WIND ZONE 3

**SINGLE DOOR W/ DIRECT SET SIDELITES AND TRANSOM**  
EXTERIOR VIEW

WITH PANOLOCK MULTI-POINT

| DESIGN PRESSURE RATING | IMPACT RATING           |
|------------------------|-------------------------|
| ±50.0PSF               | LARGE<br>MISSILE IMPACT |

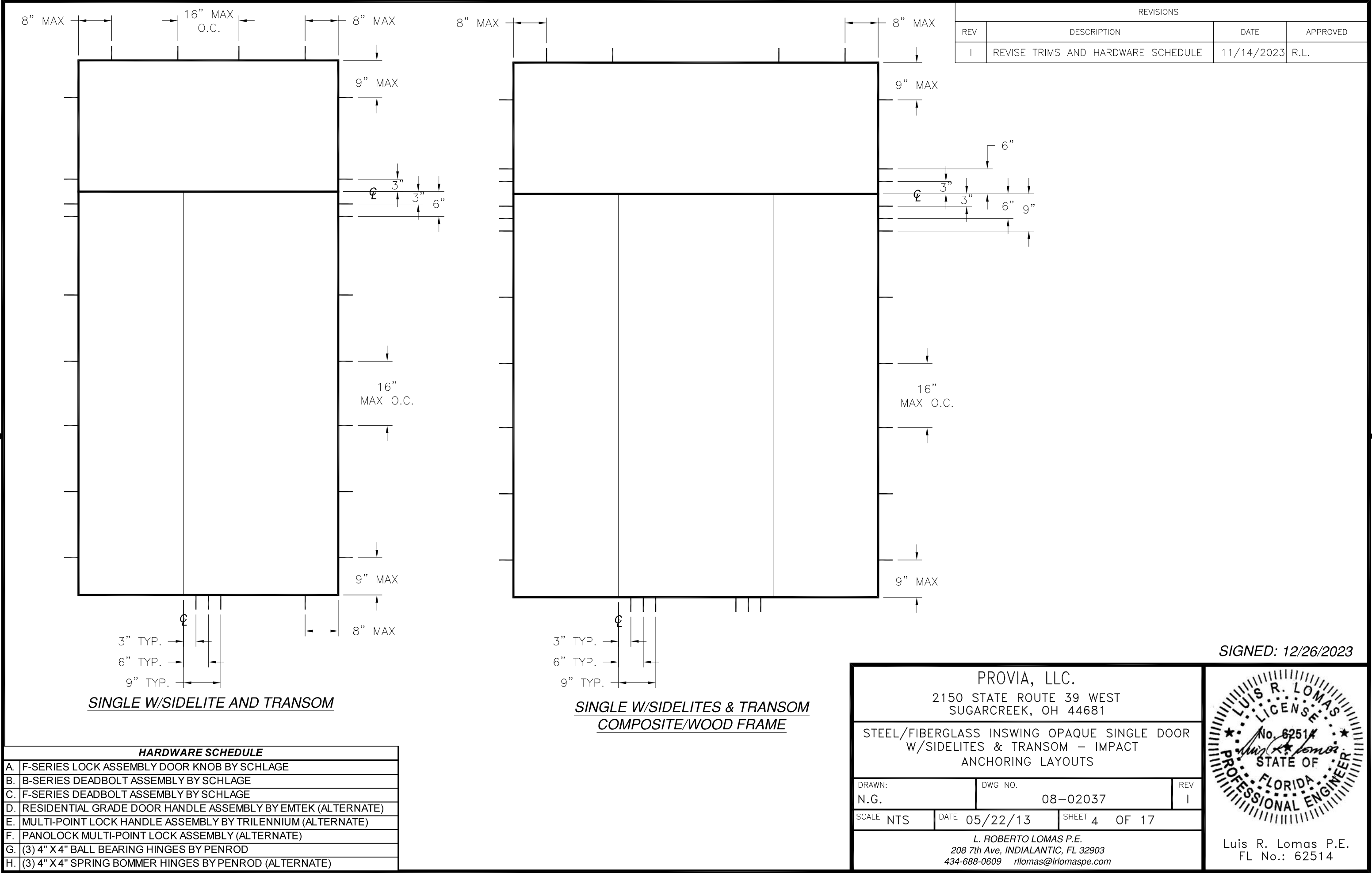
MISSILE LEVEL D, WIND ZONE 3

SIGNED: 12/26/2023

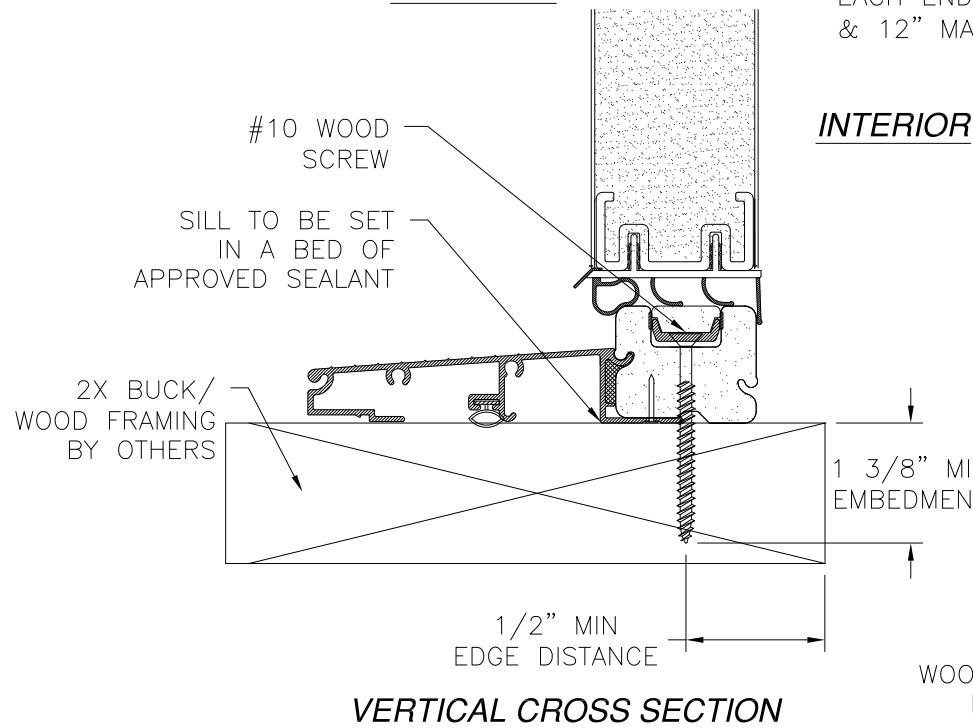
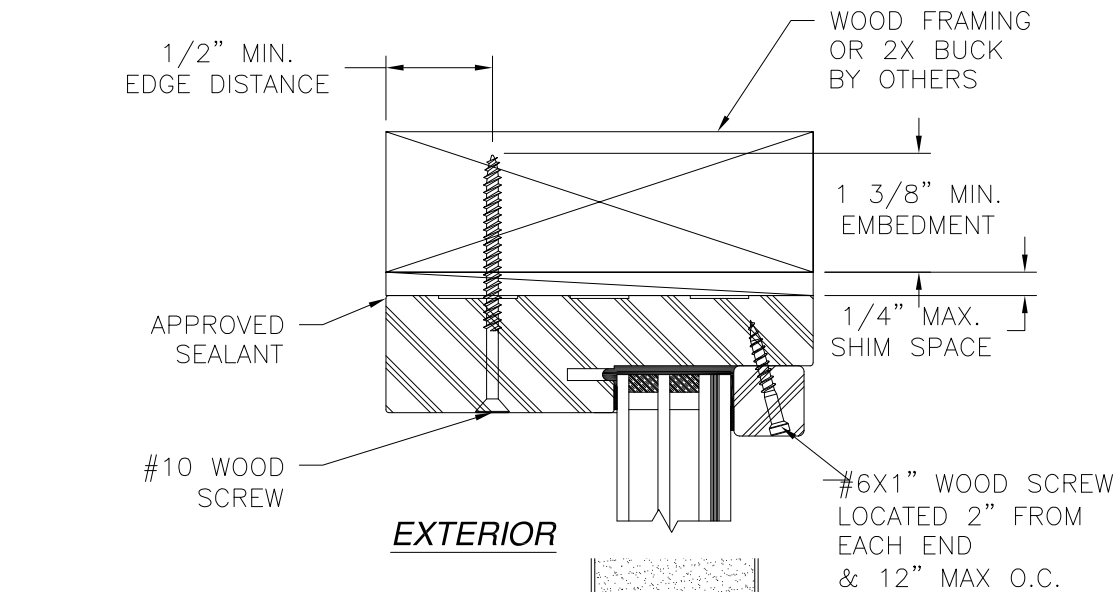
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| STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR<br>W/SIDELITES & TRANSOM – IMPACT<br>ELEVATIONS       |                     |                  |
| DRAWN:<br>N.G.                                                                                    | DWG NO.<br>08-02037 | REV<br>I         |
| SCALE<br>NTS                                                                                      | DATE<br>05/22/13    | SHEET<br>3 OF 17 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |                  |



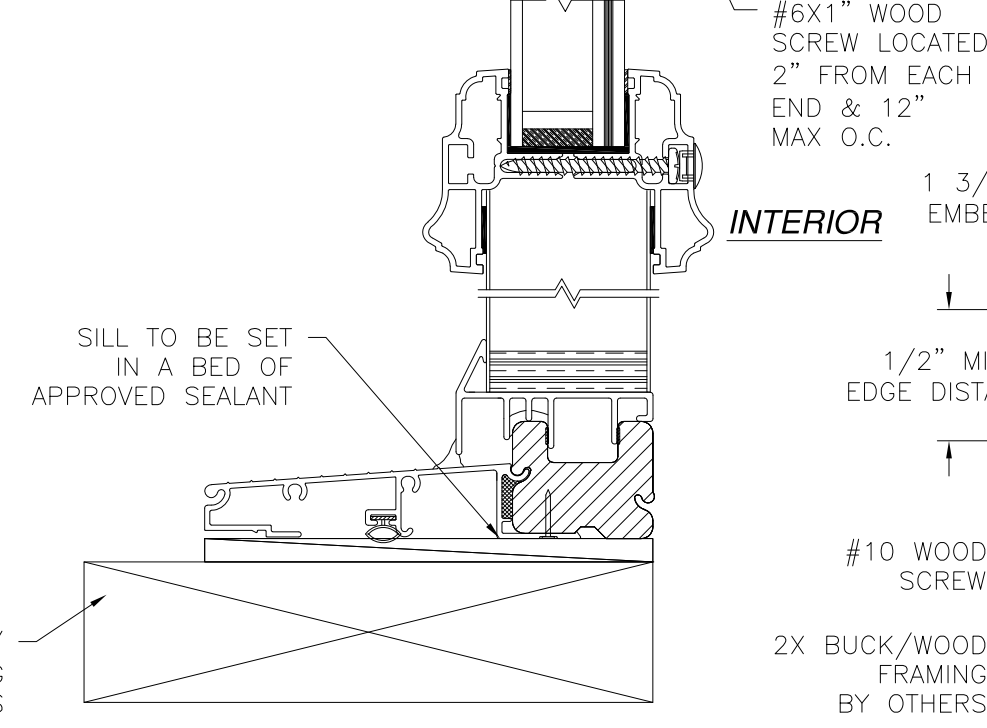
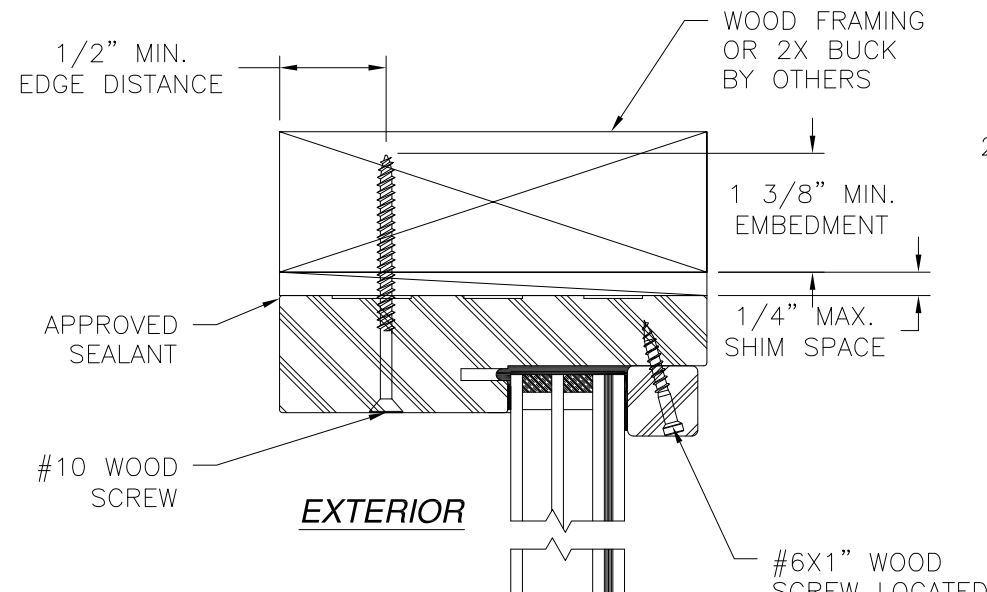
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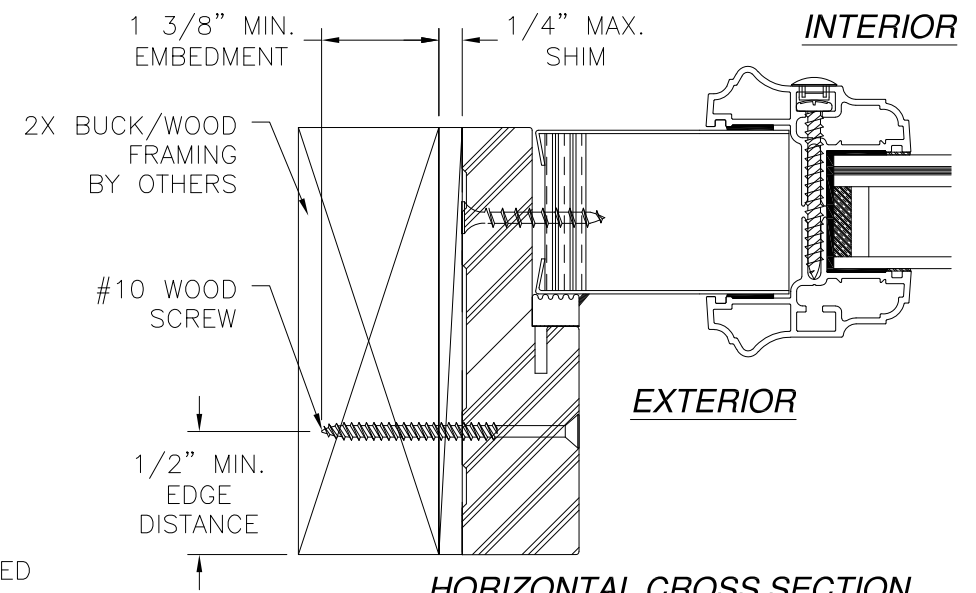
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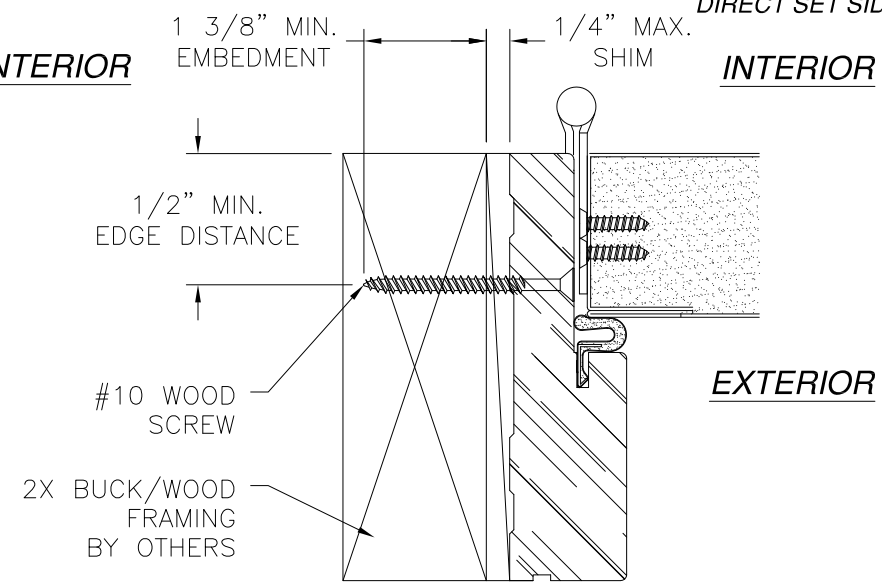
**VERTICAL CROSS SECTION**  
DOOR AND TRANSOM INSTALLATION - 2X BUCK/WOOD FRAMING  
TRANSOM HEAD SHOWN  
TRANSOM JAMB SIMILAR



**VERTICAL CROSS SECTION**  
SIDELITE AND TRANSOM INSTALLATION 2X BUCK/WOOD FRAMING  
STANDARD SIDELITE SHOWN  
DIRECT SET SIDELITE SIMILAR  
TRANSOM HEAD SHOWN  
TRANSOM JAMB SIMILAR



**HORIZONTAL CROSS SECTION**  
SIDELITE INSTALLATION 2X BUCK/WOOD FRAMING  
STANDARD SIDELITE SHOWN  
DIRECT SET SIDELITE SIMILAR

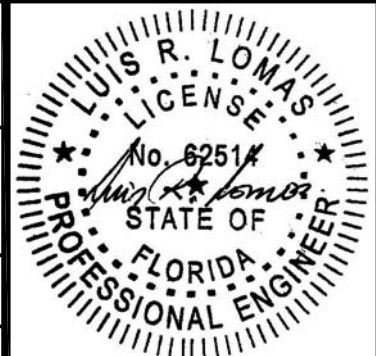


**HORIZONTAL CROSS SECTION**  
DOOR INSTALLATION - 2X BUCK/WOOD FRAMING

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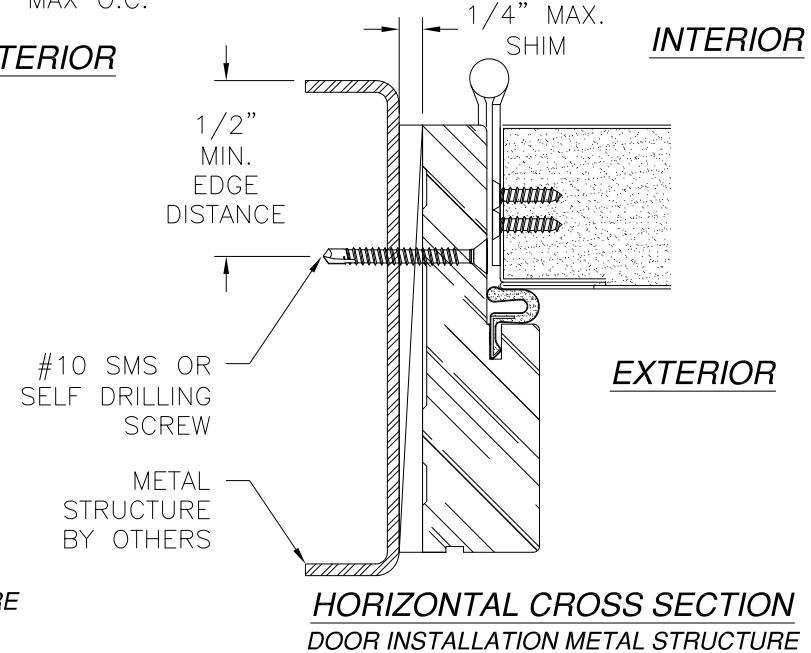
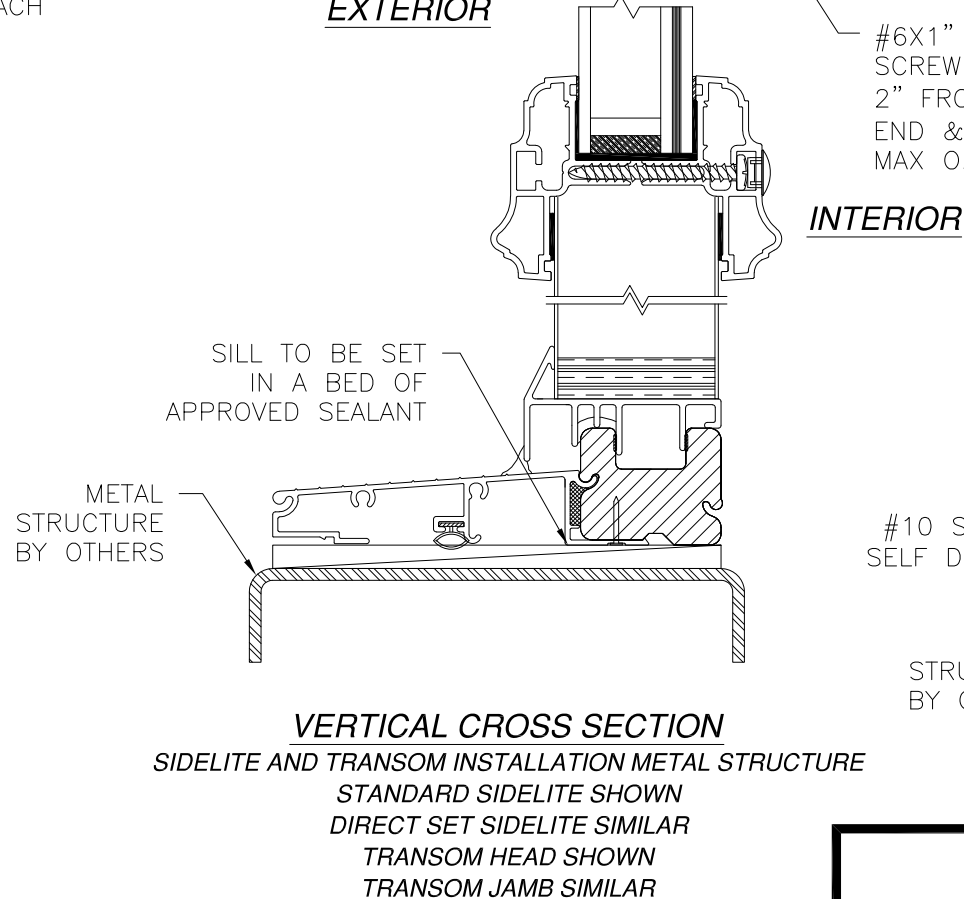
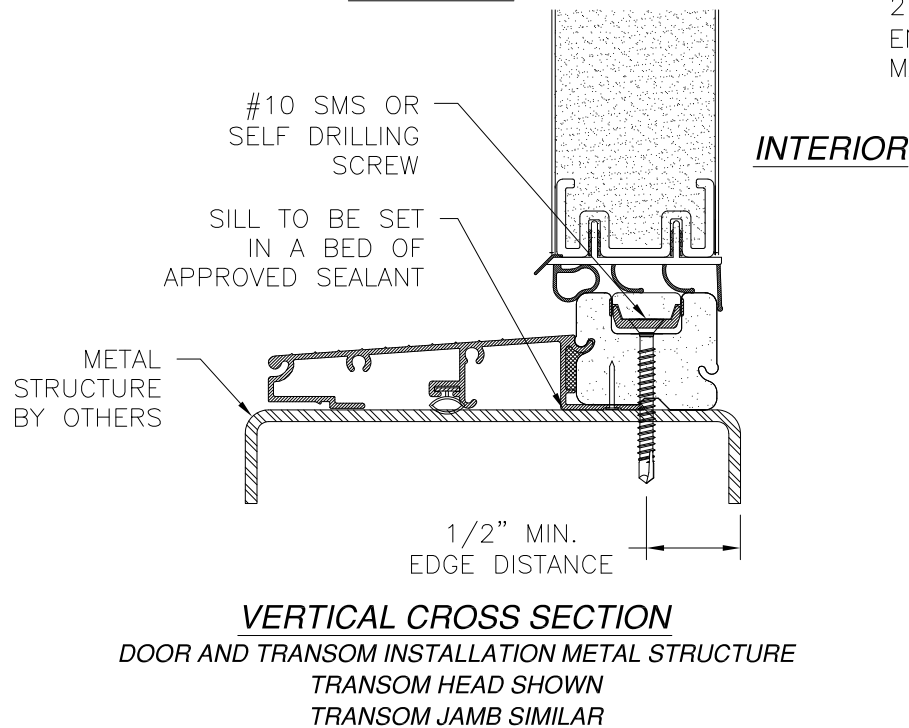
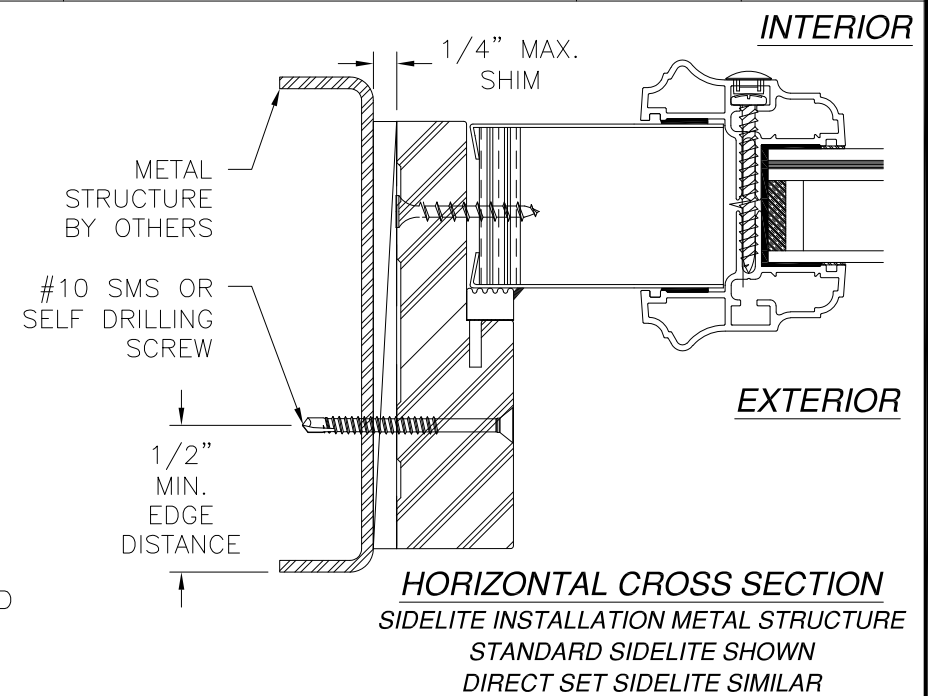
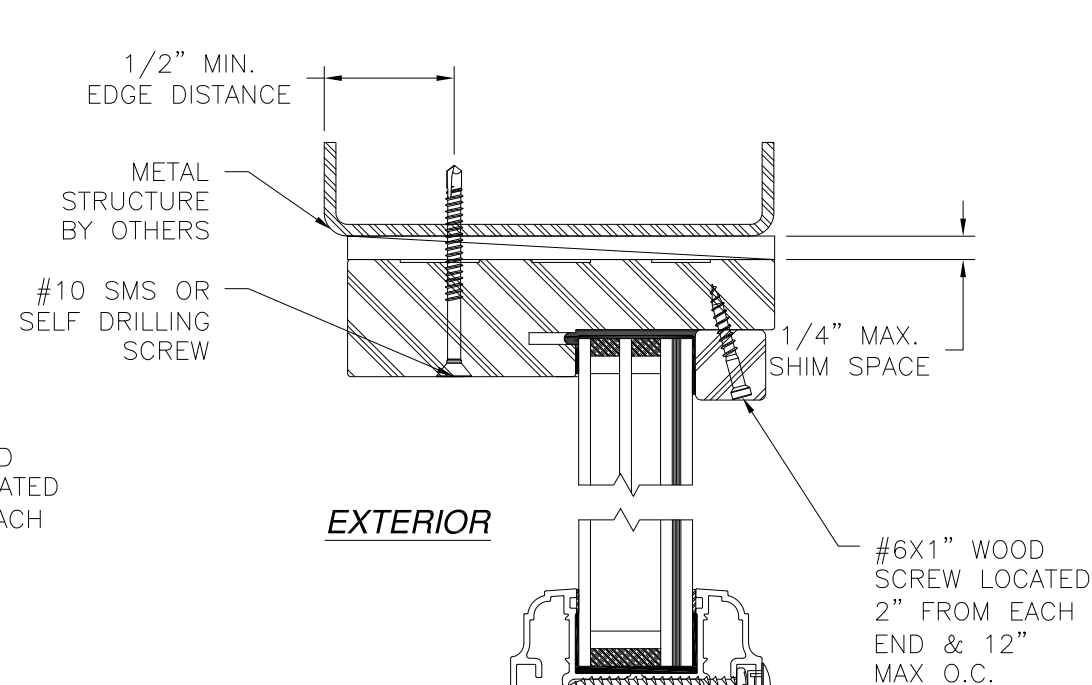
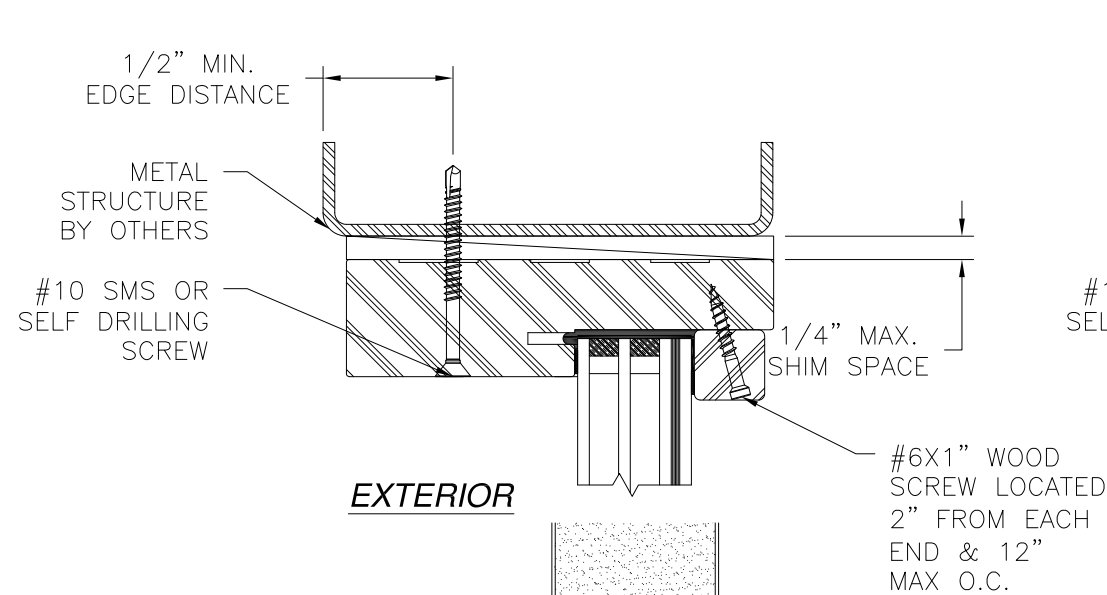
- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

|                                                                                                       |                     |                  |
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| STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR<br>W/SIDELITES & TRANSOM - IMPACT<br>INSTALLATION DETAILS |                     |                  |
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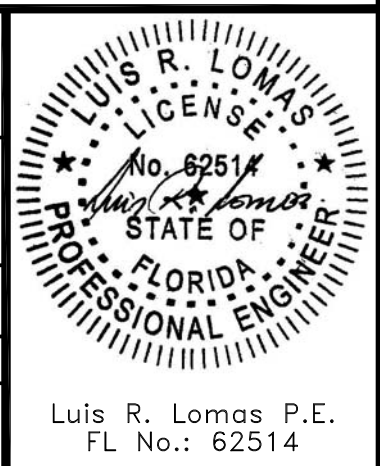
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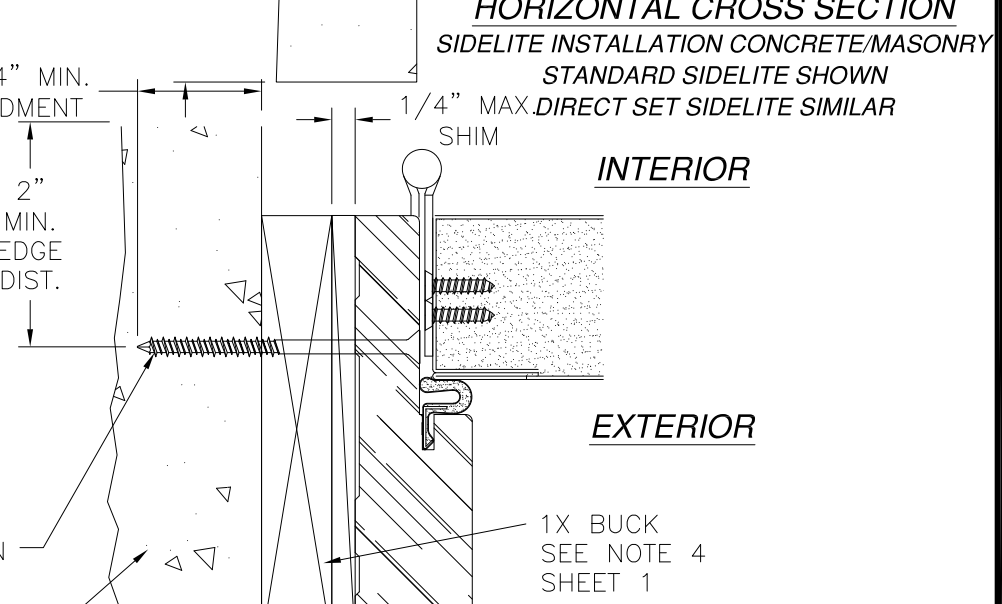
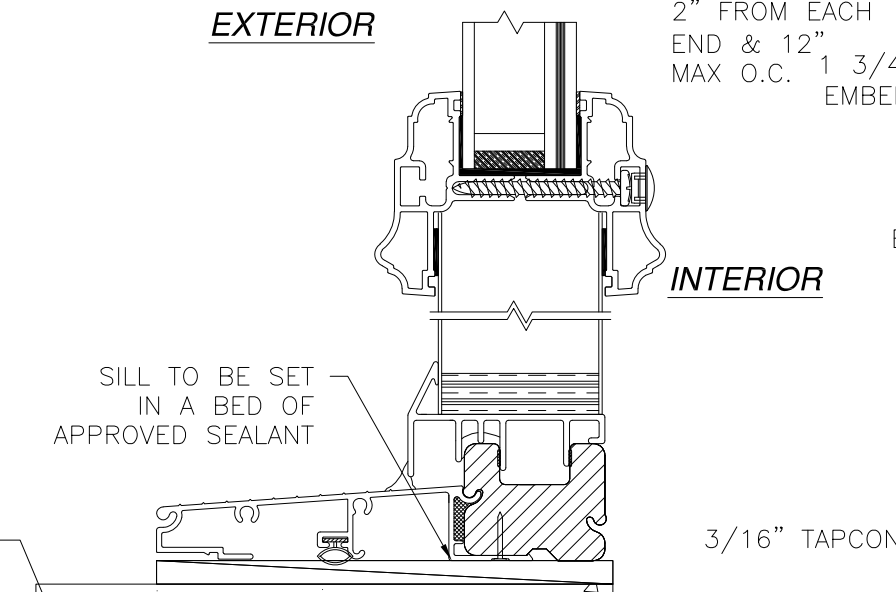
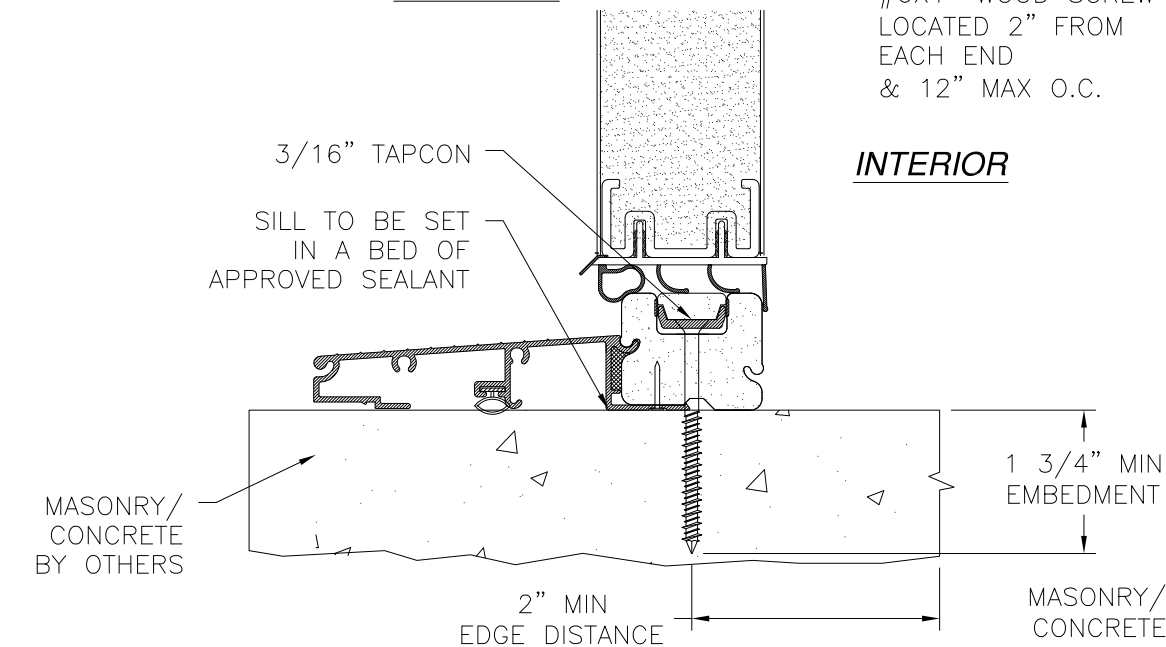
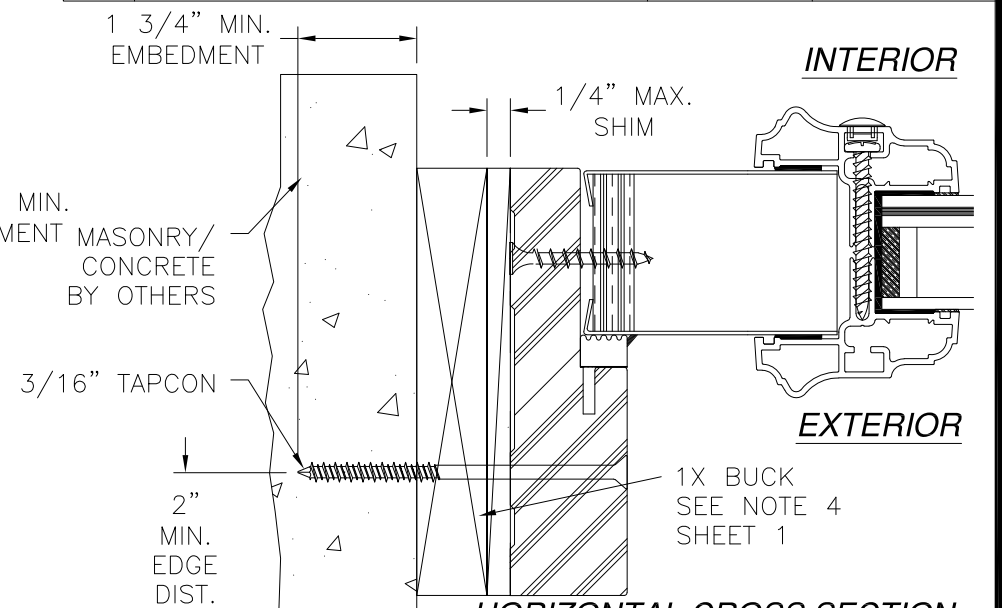
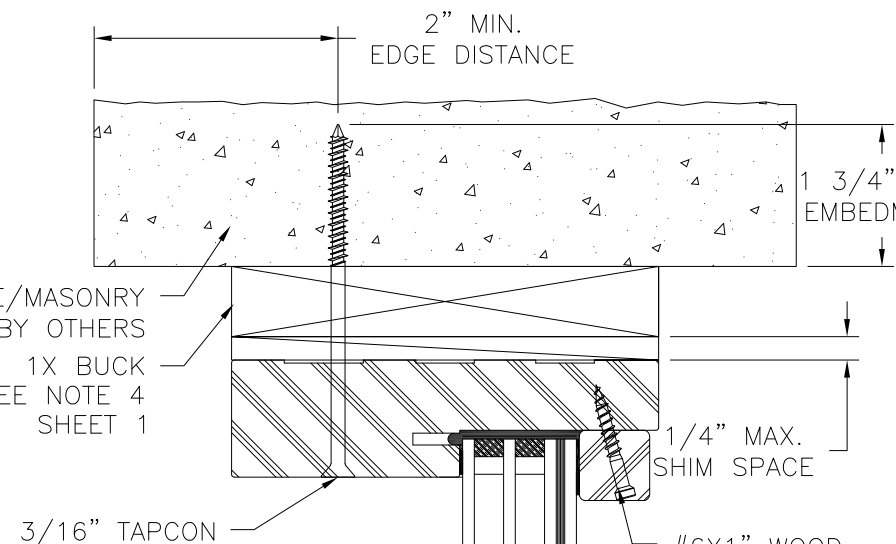
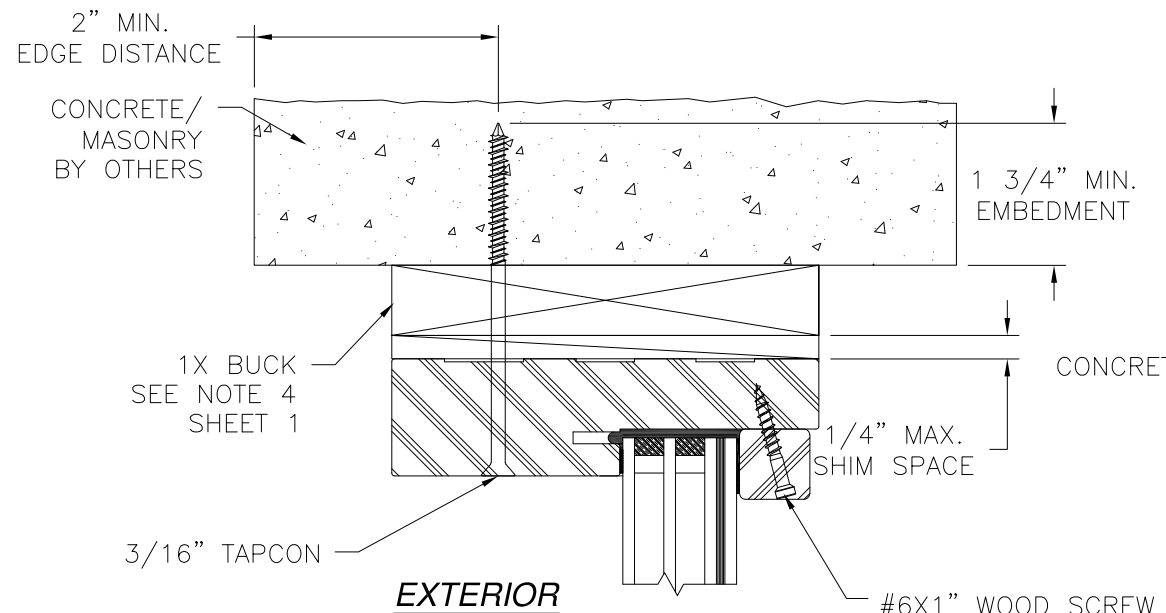
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|                                                                                                       |                     |                  |
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**VERTICAL CROSS SECTION**  
DOOR AND TRANSOM INSTALLATION MASONRY/CONCRETE  
TRANSOM HEAD SHOWN  
TRANSOM JAMB SIMILAR

**VERTICAL CROSS SECTION**  
SIDELITE AND TRANSOM INSTALLATION MASONRY/CONCRETE  
STANDARD SIDELITE SHOWN  
DIRECT SET SIDELITE SIMILAR  
TRANSOM HEAD SHOWN  
TRANSOM JAMB SIMILAR

**HORIZONTAL CROSS SECTION**  
DOOR INSTALLATION CONCRETE/MASONRY  
SIGNED: 12/26/2023

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2150 STATE ROUTE 39 WEST  
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7

OF

17

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208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS

LICENS. M. E.

No. 62514

STATE OF

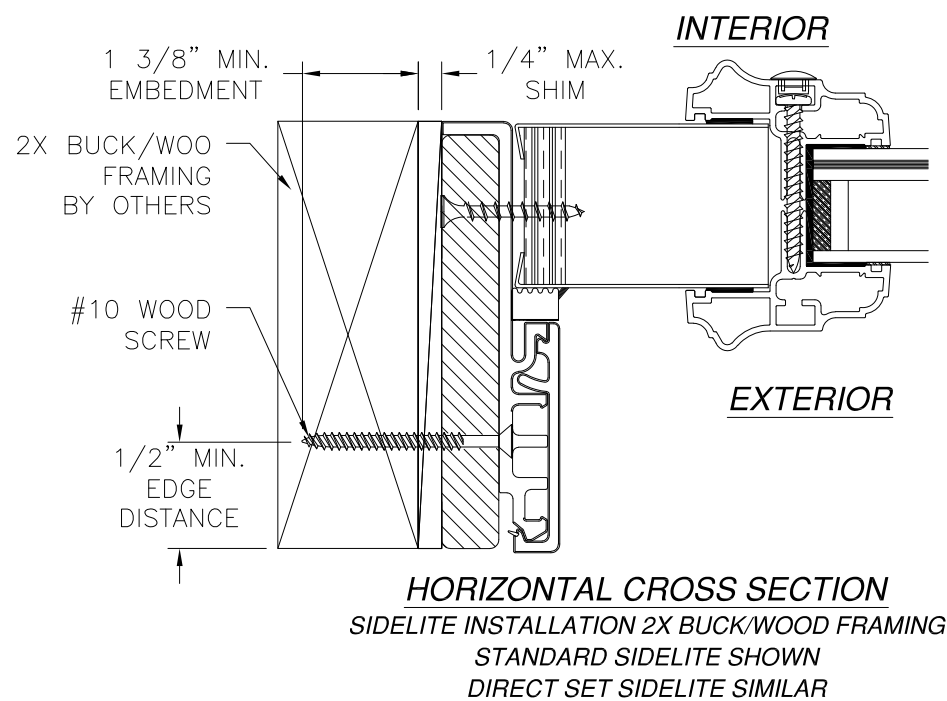
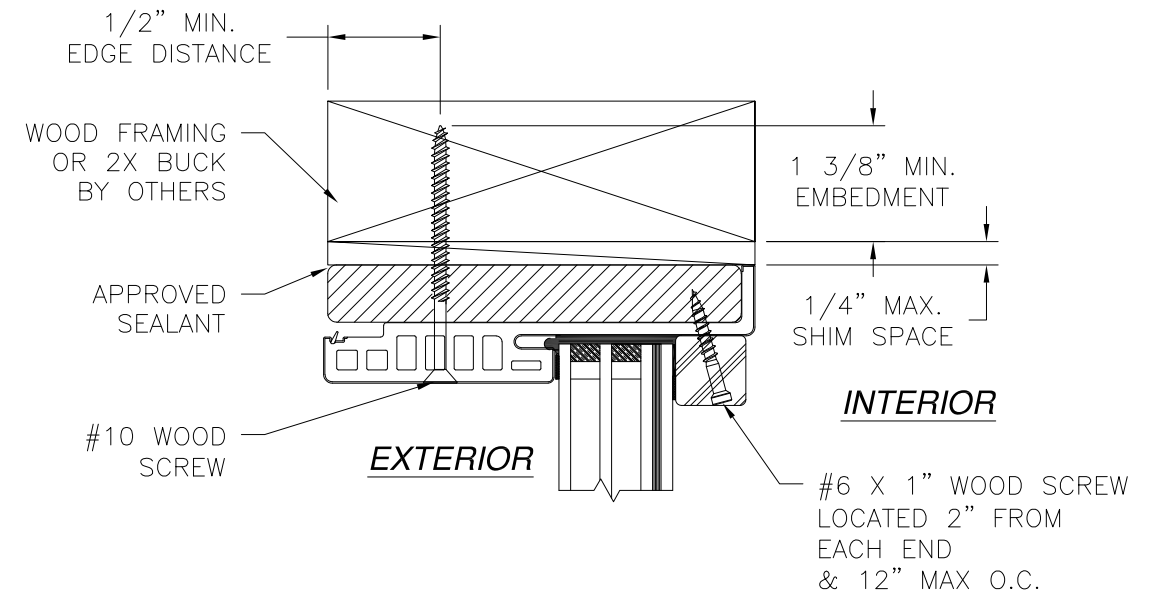
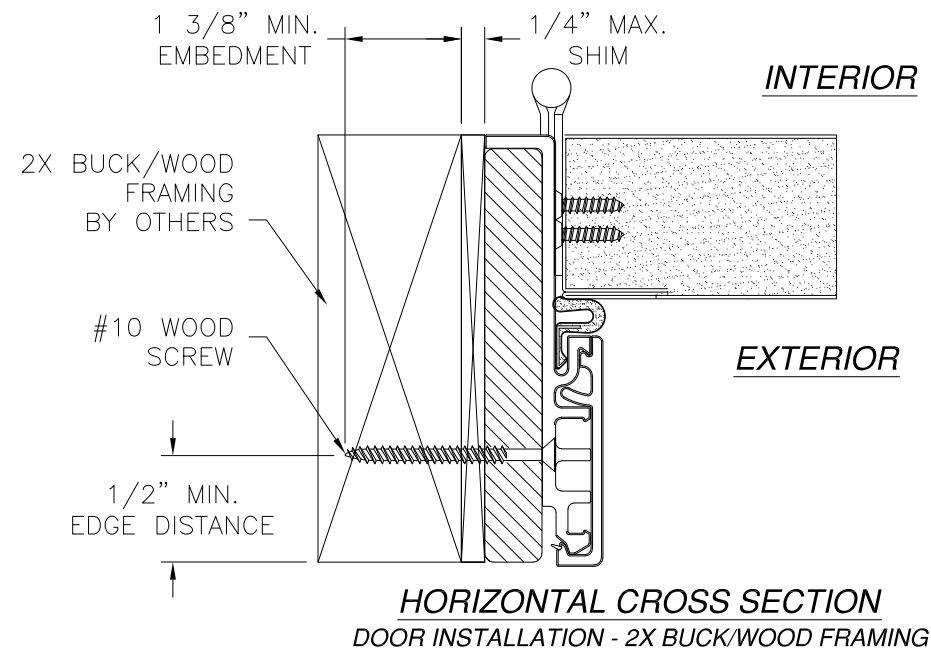
FLORIDA

PROFESSIONAL ENGINEER

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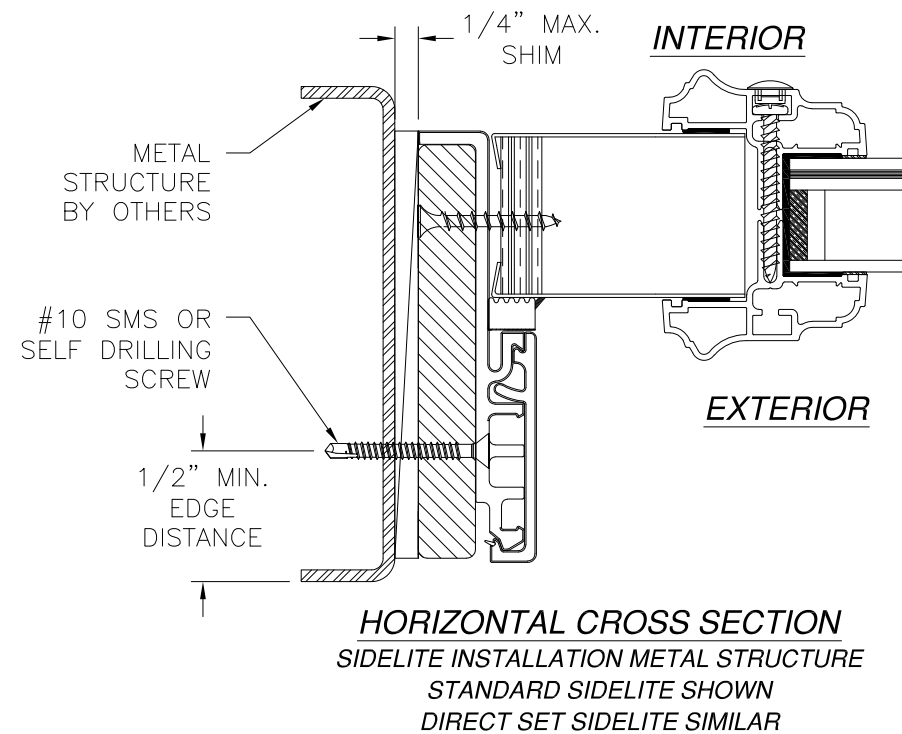
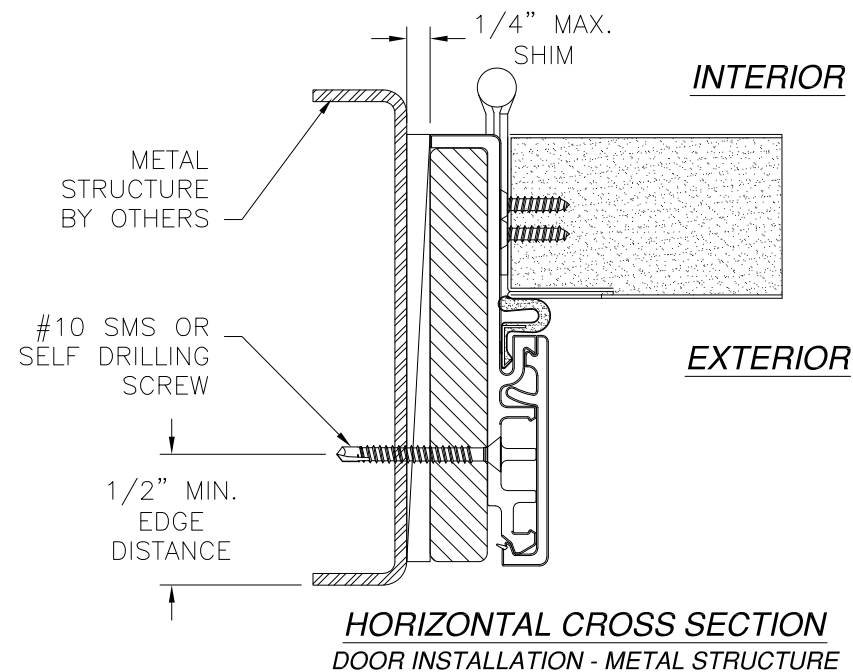
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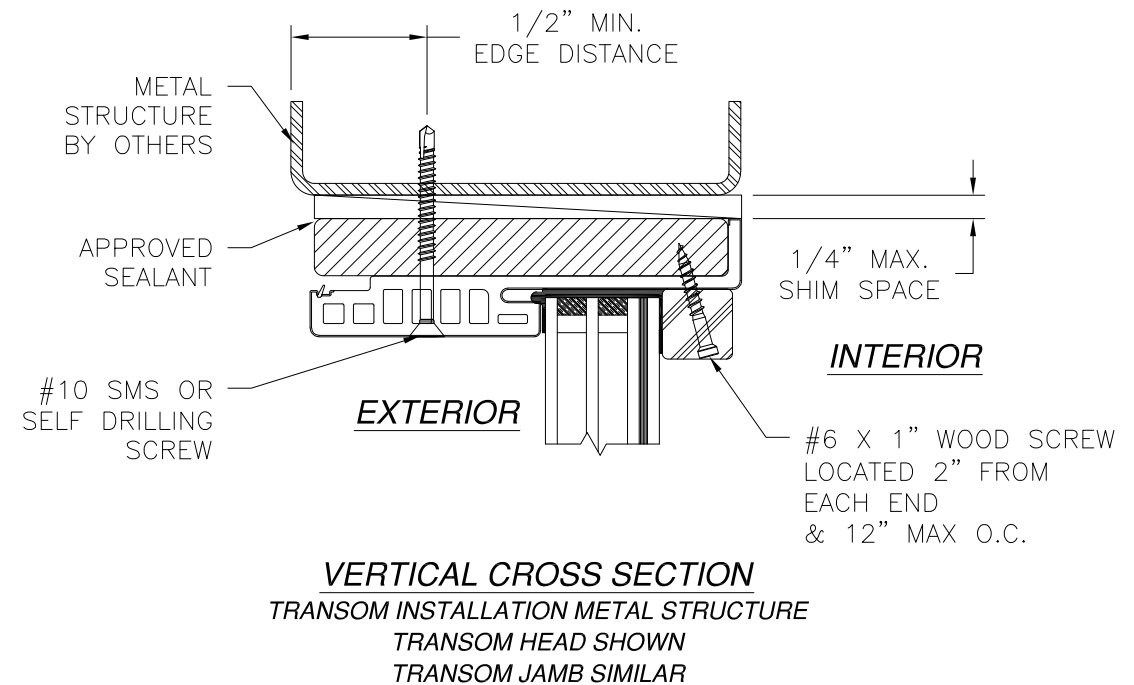
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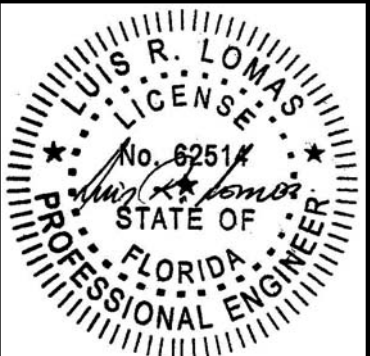


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  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



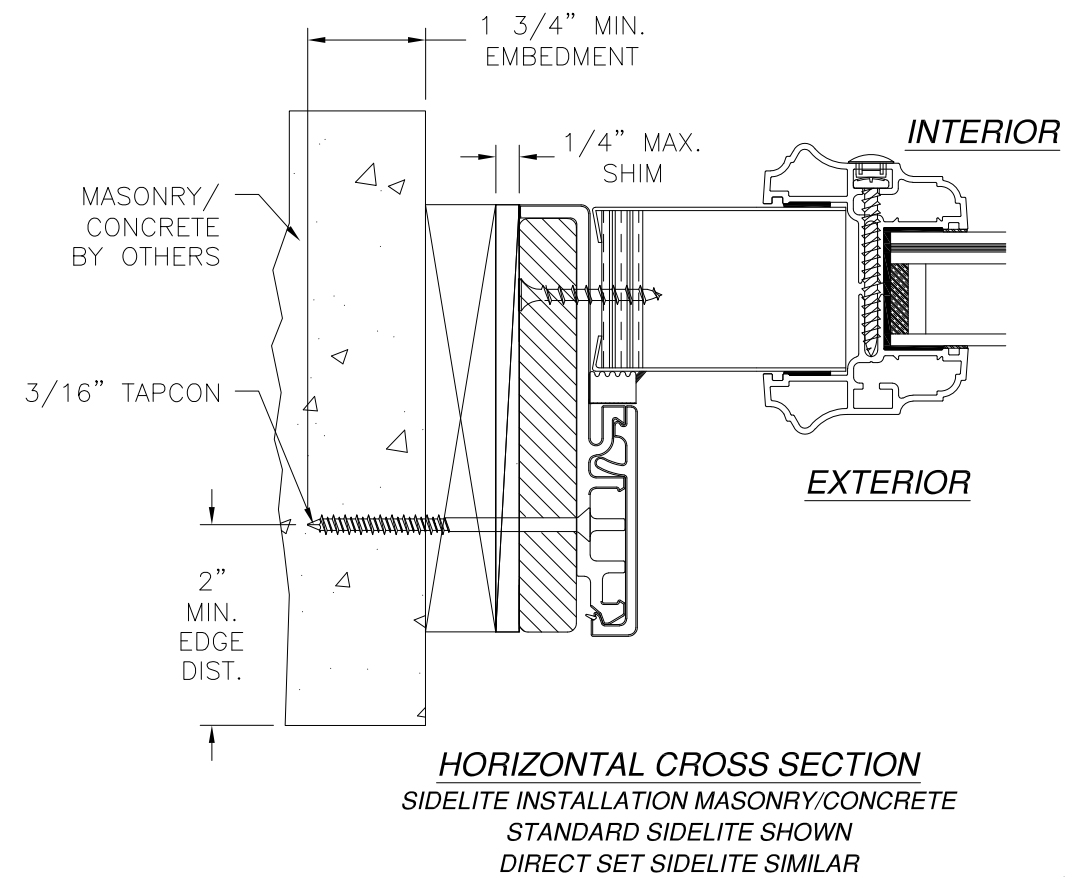
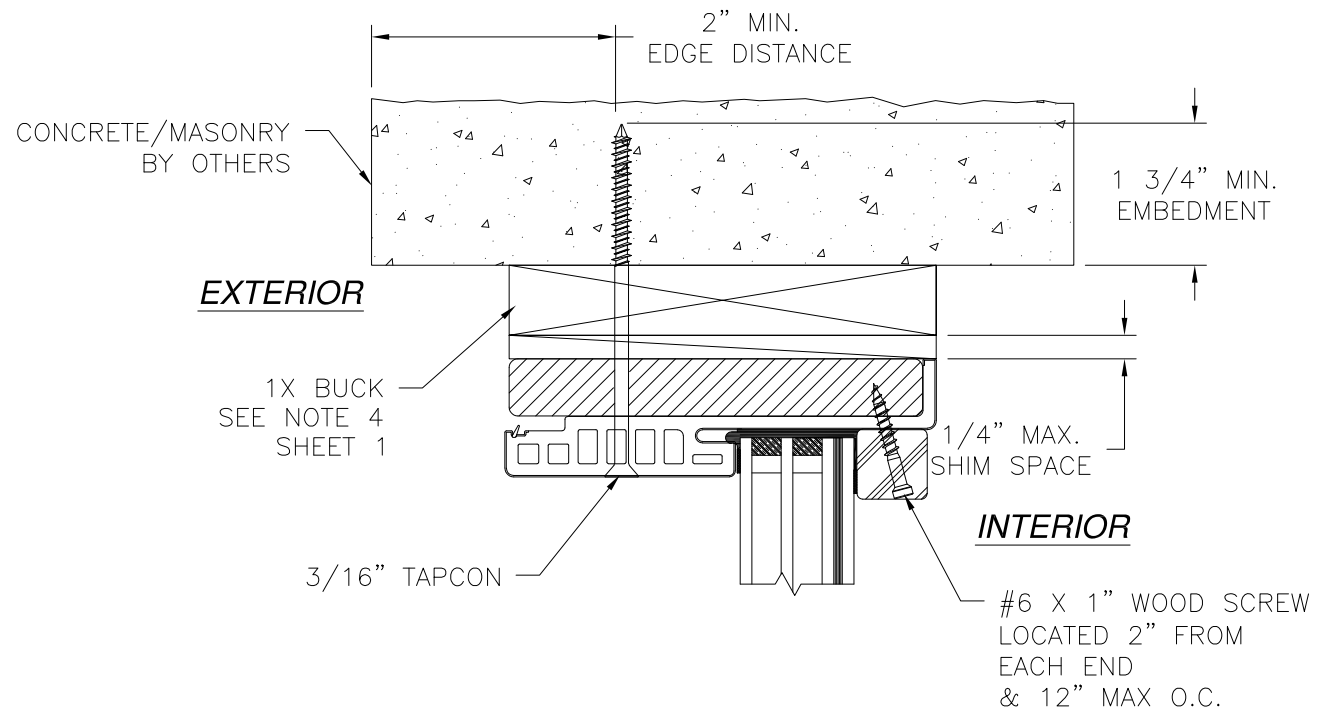
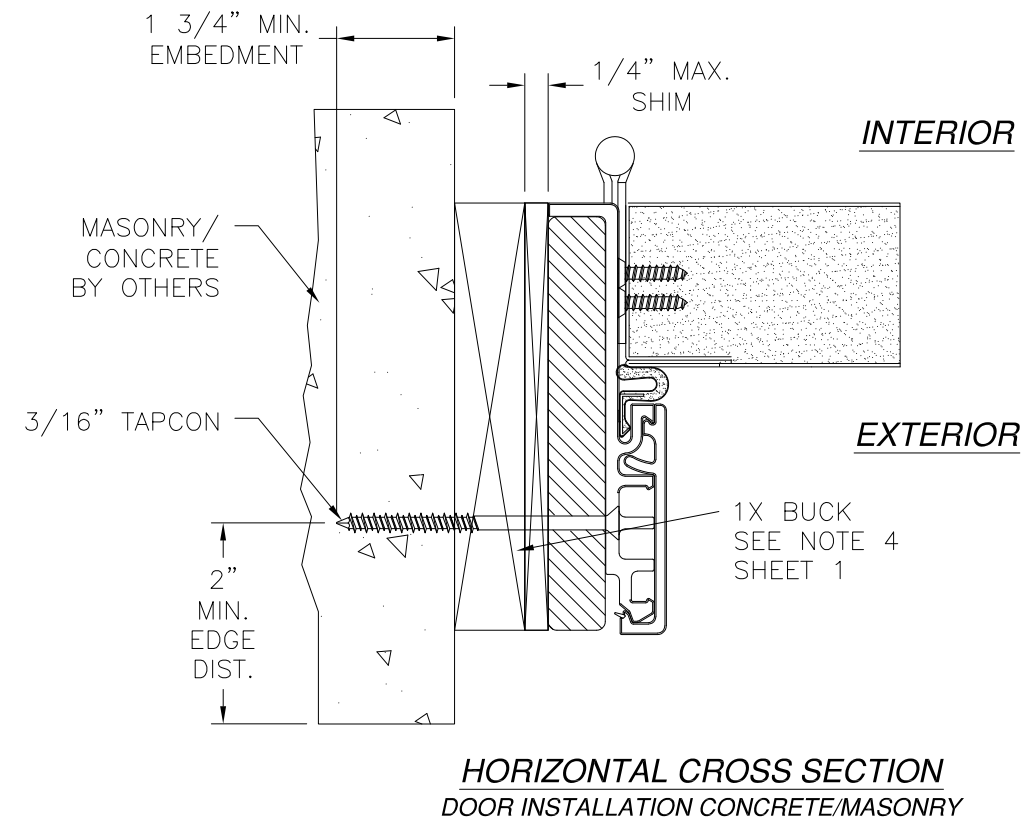
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|                                                                                                                      |                     |                  |
|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|
| PROVIA, LLC.<br>2150 STATE ROUTE 39 WEST<br>SUGARCREEK, OH 44681                                                     |                     |                  |
| STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR<br>W/SIDELITES & TRANSOM - IMPACT<br>INSTALLATION DETAILS W/FUSION FRAME |                     |                  |
| DRAWN:<br>N.G.                                                                                                       | DWG NO.<br>08-02037 | REV<br>I         |
| SCALE<br>NTS                                                                                                         | DATE<br>05/22/13    | SHEET<br>9 OF 17 |
| 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

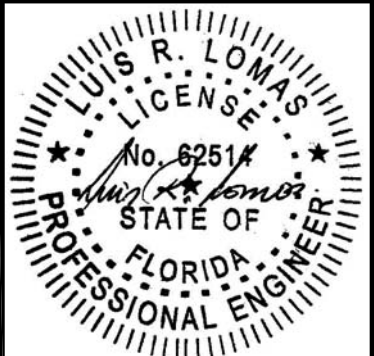
| REVISIONS |                                    |            |          |
|-----------|------------------------------------|------------|----------|
| REV       | DESCRIPTION                        | DATE       | APPROVED |
| I         | REVISE TRIMS AND HARDWARE SCHEDULE | 11/14/2023 | R.L.     |



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

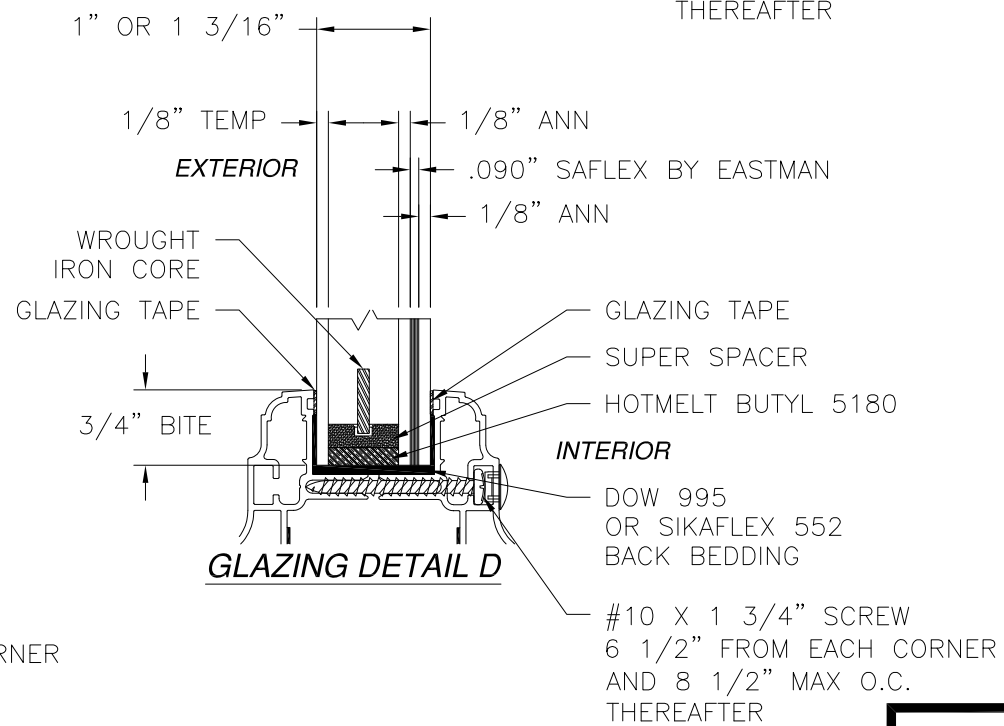
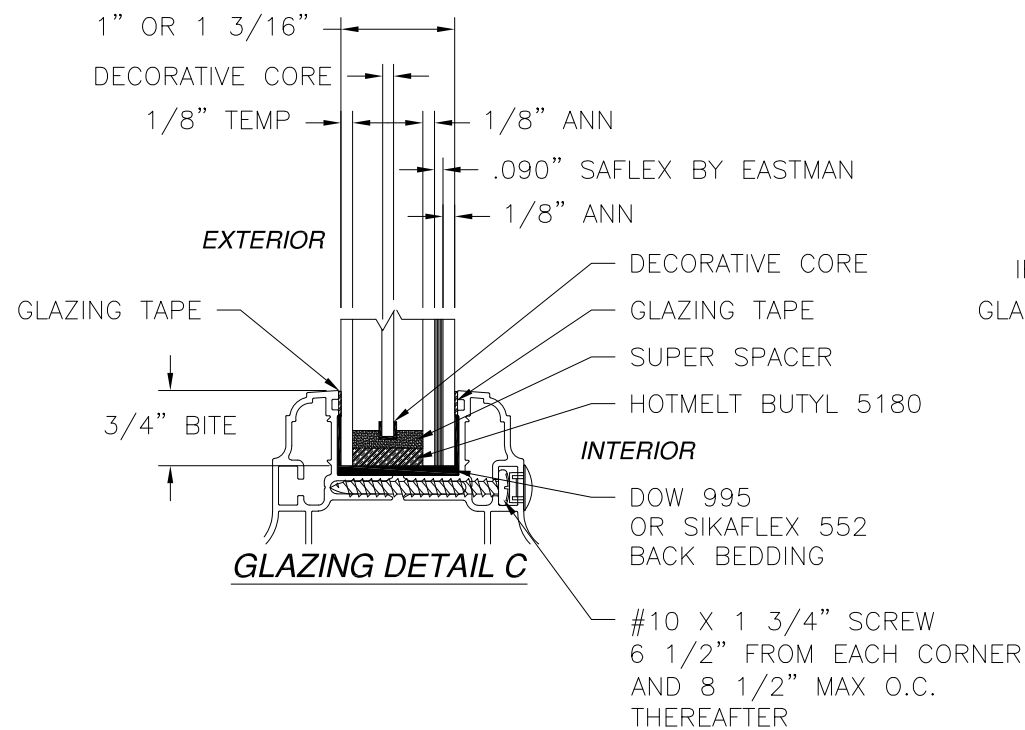
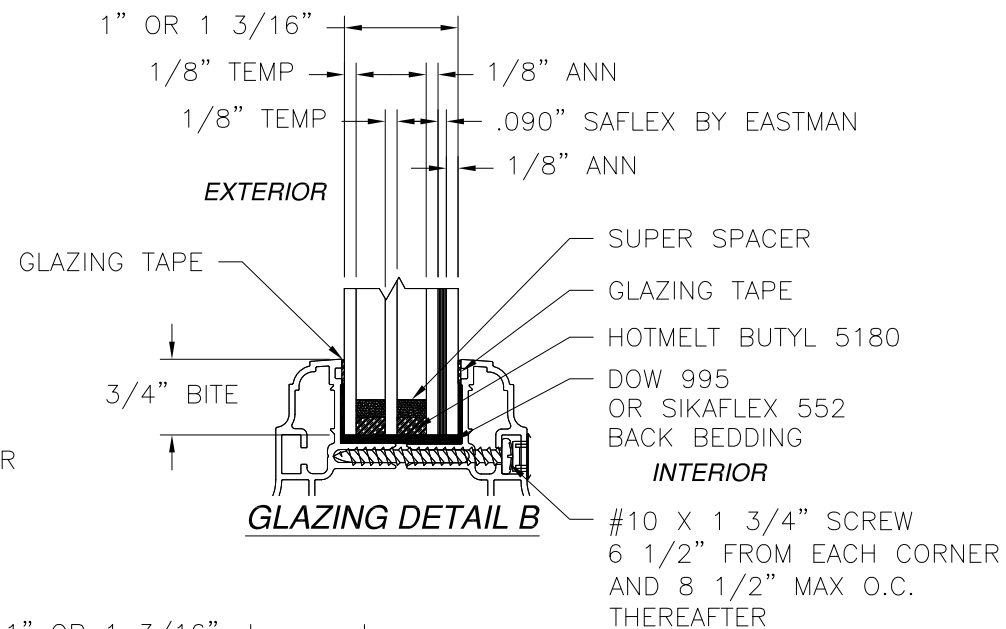
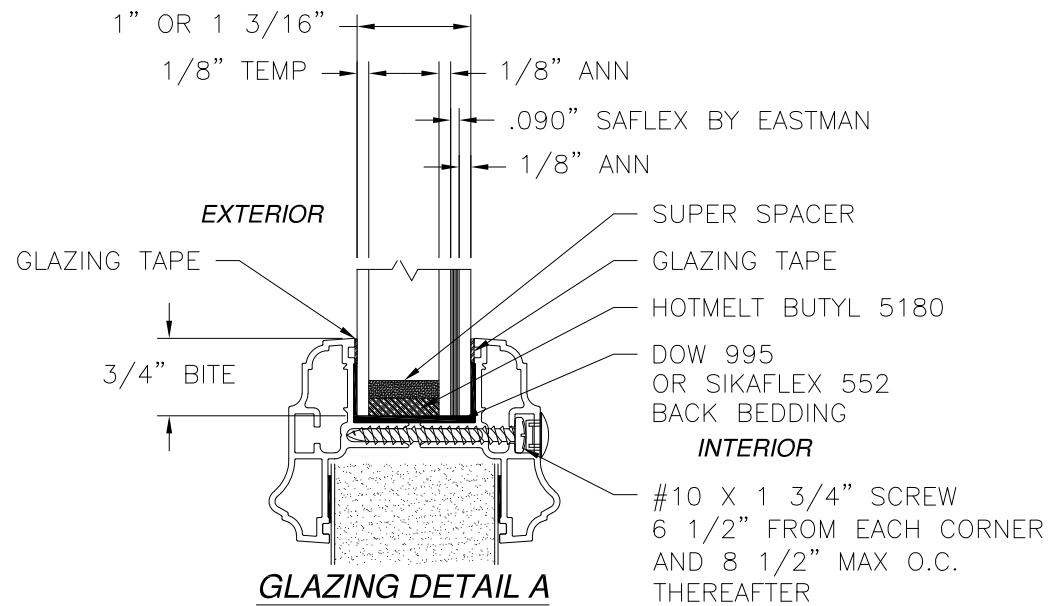
SIGNED: 12/26/2023

|                                                                                                                      |                     |                   |
|----------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| PROVIA, LLC.<br>2150 STATE ROUTE 39 WEST<br>SUGARCREEK, OH 44681                                                     |                     |                   |
| STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR<br>W/SIDELITES & TRANSOM - IMPACT<br>INSTALLATION DETAILS W/FUSION FRAME |                     |                   |
| DRAWN:<br>N.G.                                                                                                       | DWG NO.<br>08-02037 | REV<br>I          |
| SCALE<br>NTS                                                                                                         | DATE<br>05/22/13    | SHEET<br>10 OF 17 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com                    |                     |                   |



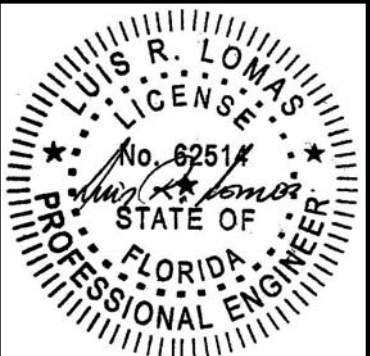
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FL No.: 62514

| REVISIONS |                                    |            |          |
|-----------|------------------------------------|------------|----------|
| REV       | DESCRIPTION                        | DATE       | APPROVED |
| I         | REVISE TRIMS AND HARDWARE SCHEDULE | 11/14/2023 | R.L.     |



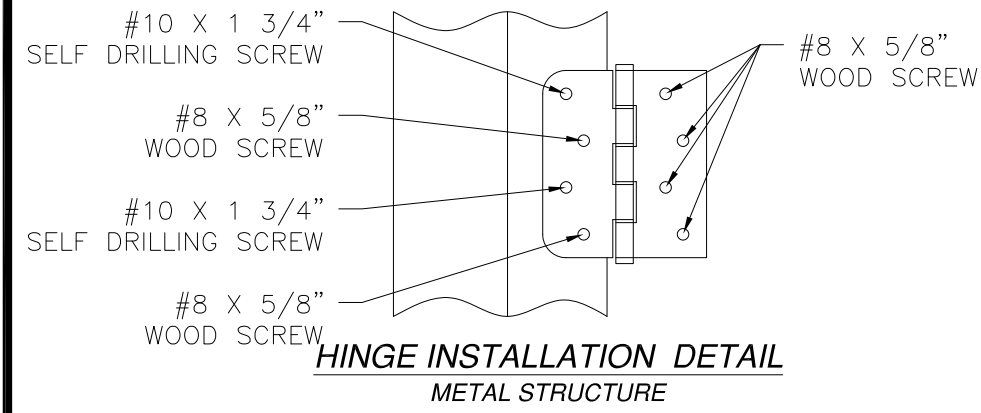
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|                                                                                                   |                     |                   |
|---------------------------------------------------------------------------------------------------|---------------------|-------------------|
| PROVIA, LLC.<br>2150 STATE ROUTE 39 WEST<br>SUGARCREEK, OH 44681                                  |                     |                   |
| STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR<br>W/SIDELITES & TRANSOM - IMPACT<br>GLAZING DETAILS  |                     |                   |
| DRAWN:<br>N.G.                                                                                    | DWG NO.<br>08-02037 | REV<br>I          |
| SCALE<br>NTS                                                                                      | DATE<br>05/22/13    | SHEET<br>11 OF 17 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |                   |

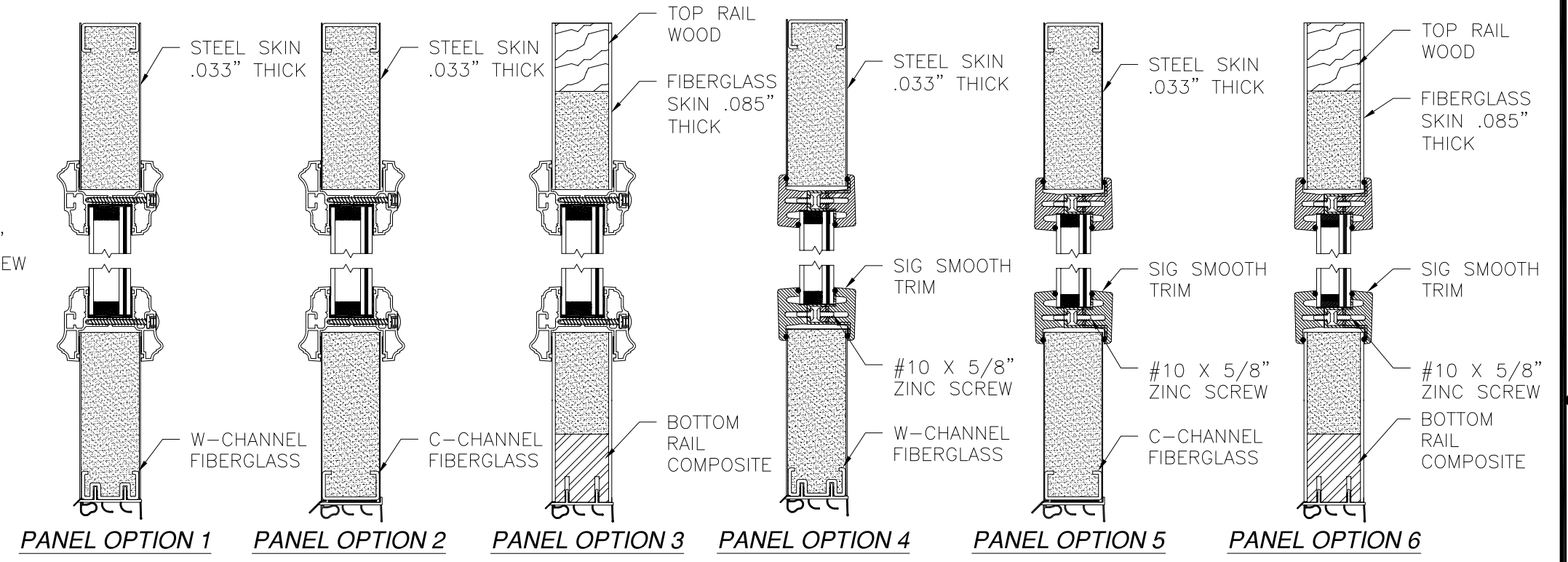
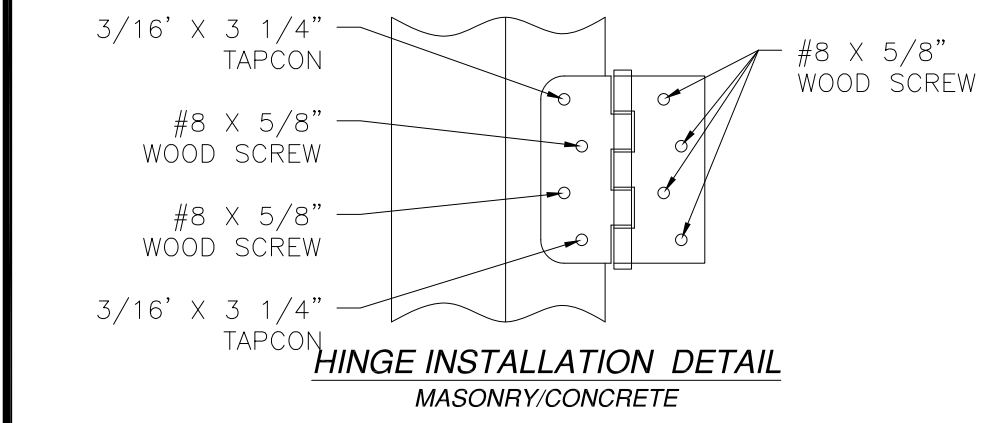
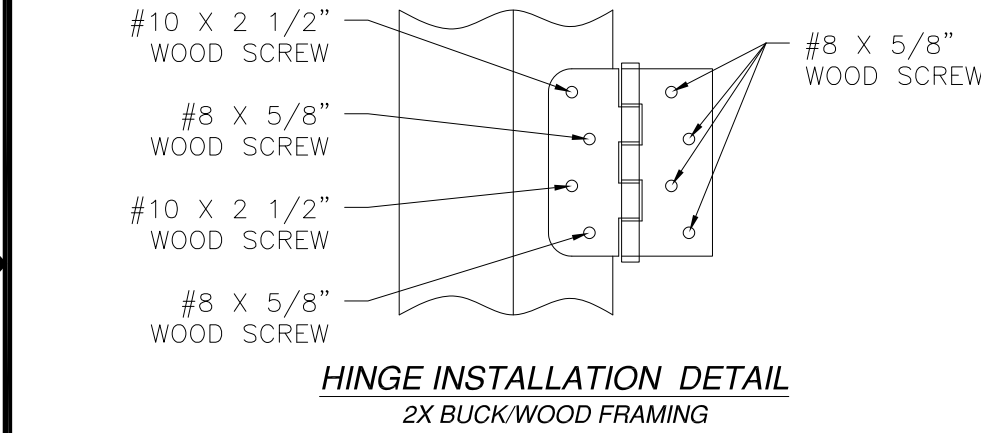


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| REVISIONS |                                    |            |          |
|-----------|------------------------------------|------------|----------|
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| I         | REVISE TRIMS AND HARDWARE SCHEDULE | 11/14/2023 | R.L.     |



APPROVED SIDELITE SLABS



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

STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR  
W/SIDELITES & TRANSOM - IMPACT  
COMPONENTS DETAILS

|                |                     |                   |
|----------------|---------------------|-------------------|
| DRAWN:<br>N.G. | DWG NO.<br>08-02037 | REV<br>I          |
| SCALE<br>NTS   | DATE<br>05/22/13    | SHEET<br>12 OF 17 |

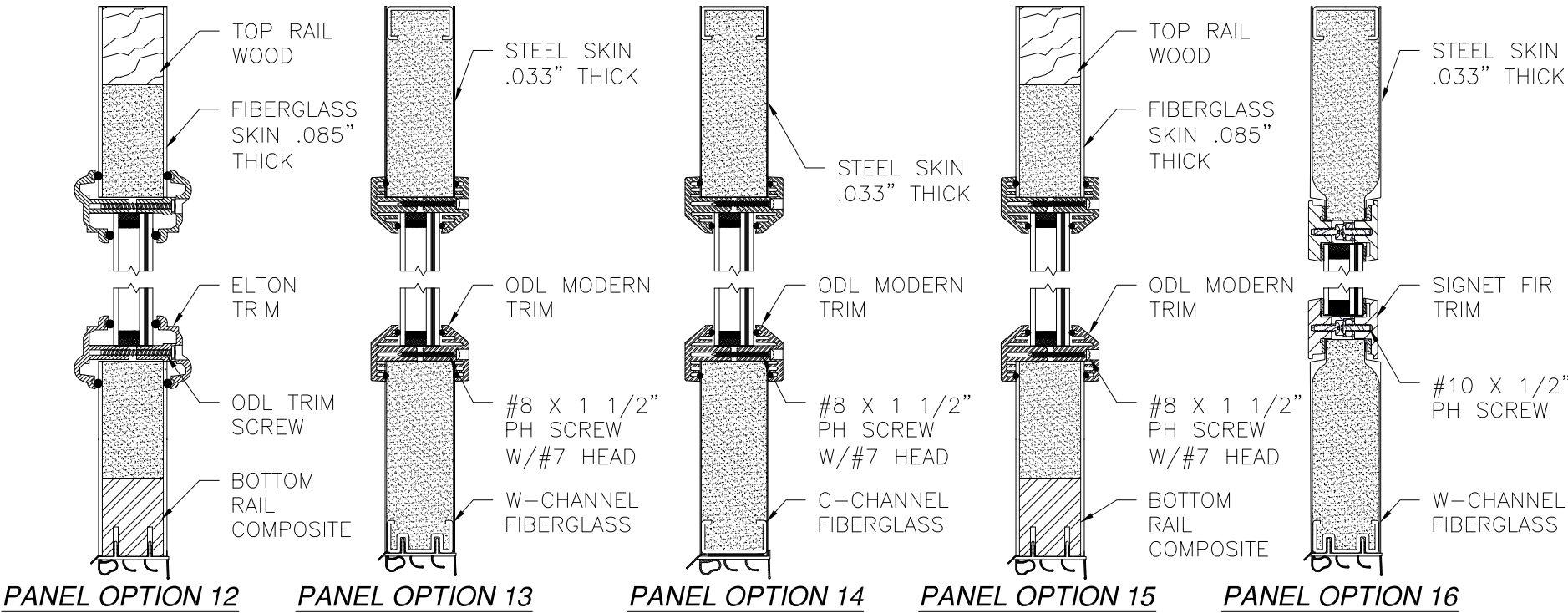
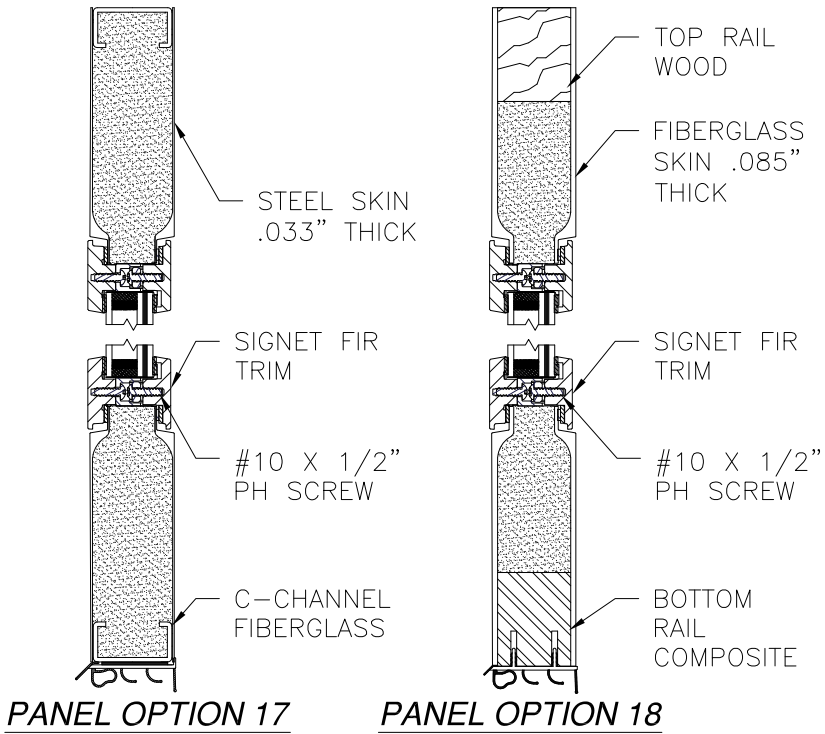
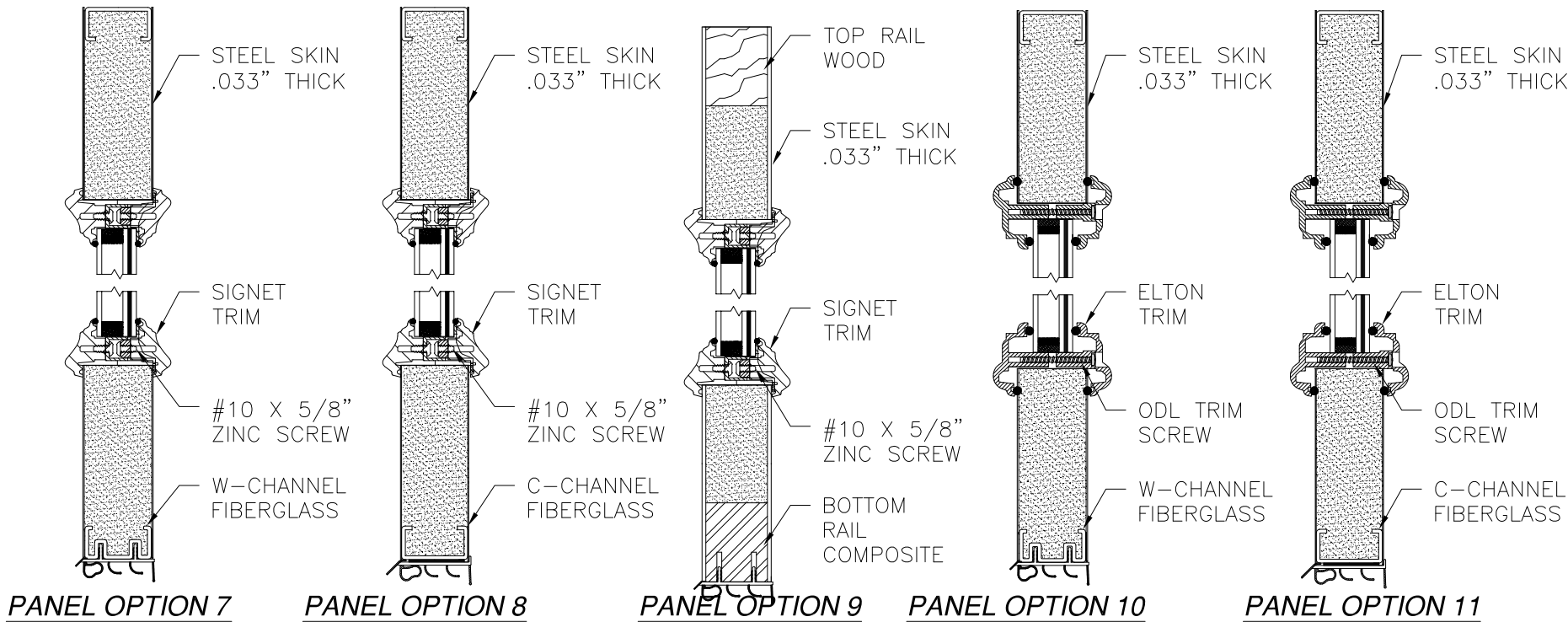
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Luis R. Lomas P.E.  
FL No.: 62514

APPROVED SIDELITE SLABS

| REVISIONS |                                    |            |          |
|-----------|------------------------------------|------------|----------|
| REV       | DESCRIPTION                        | DATE       | APPROVED |
| I         | REVISE TRIMS AND HARDWARE SCHEDULE | 11/14/2023 | R.L.     |



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

STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR  
W/SIDELITES & TRANSOM - IMPACT  
APPROVED SLABS

DRAWN:  
N.G.

DWG NO.  
08-02037

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I

SCALE  
NTS

DATE  
05/22/13

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13 OF 17

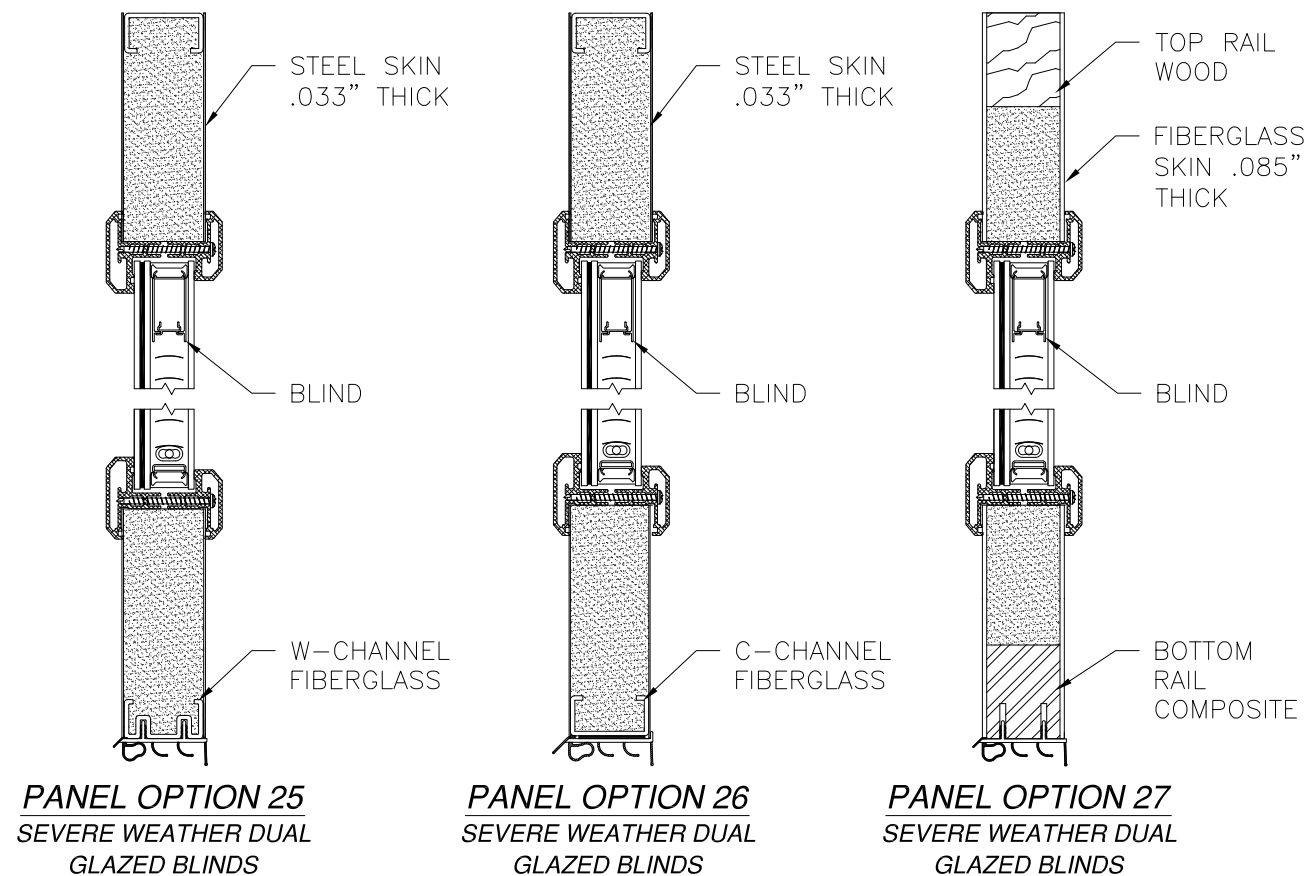
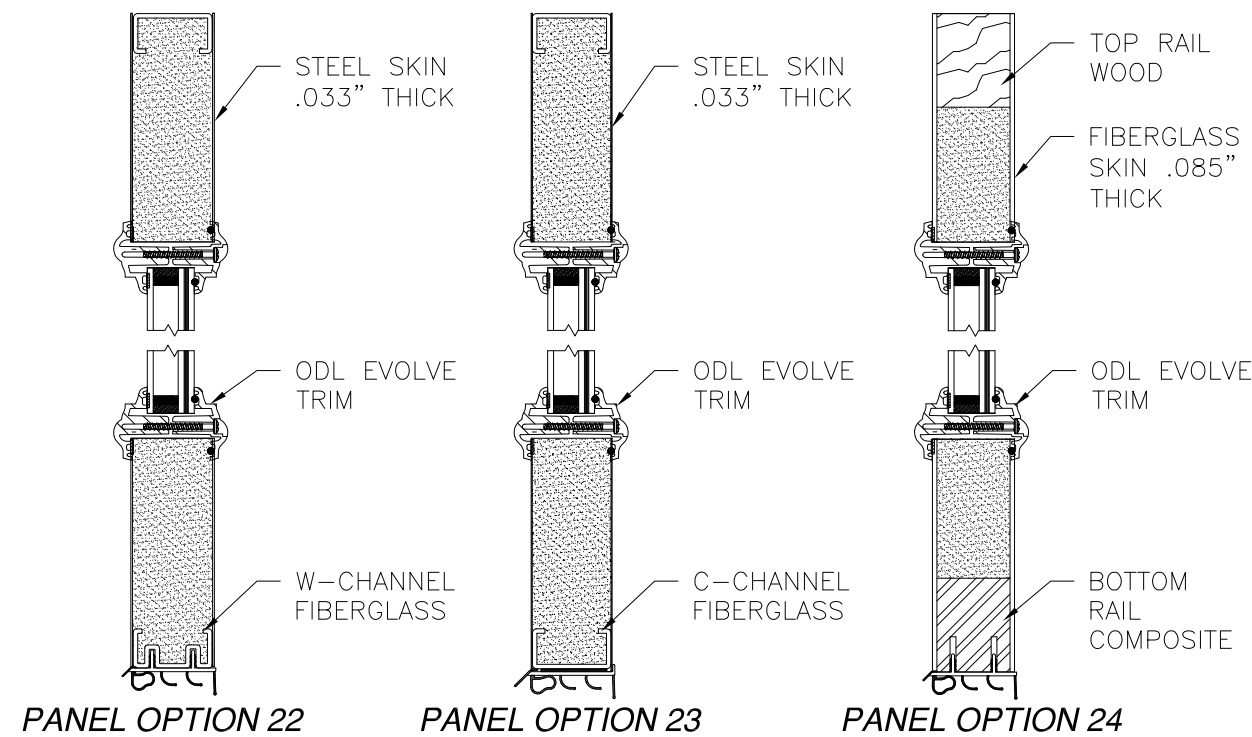
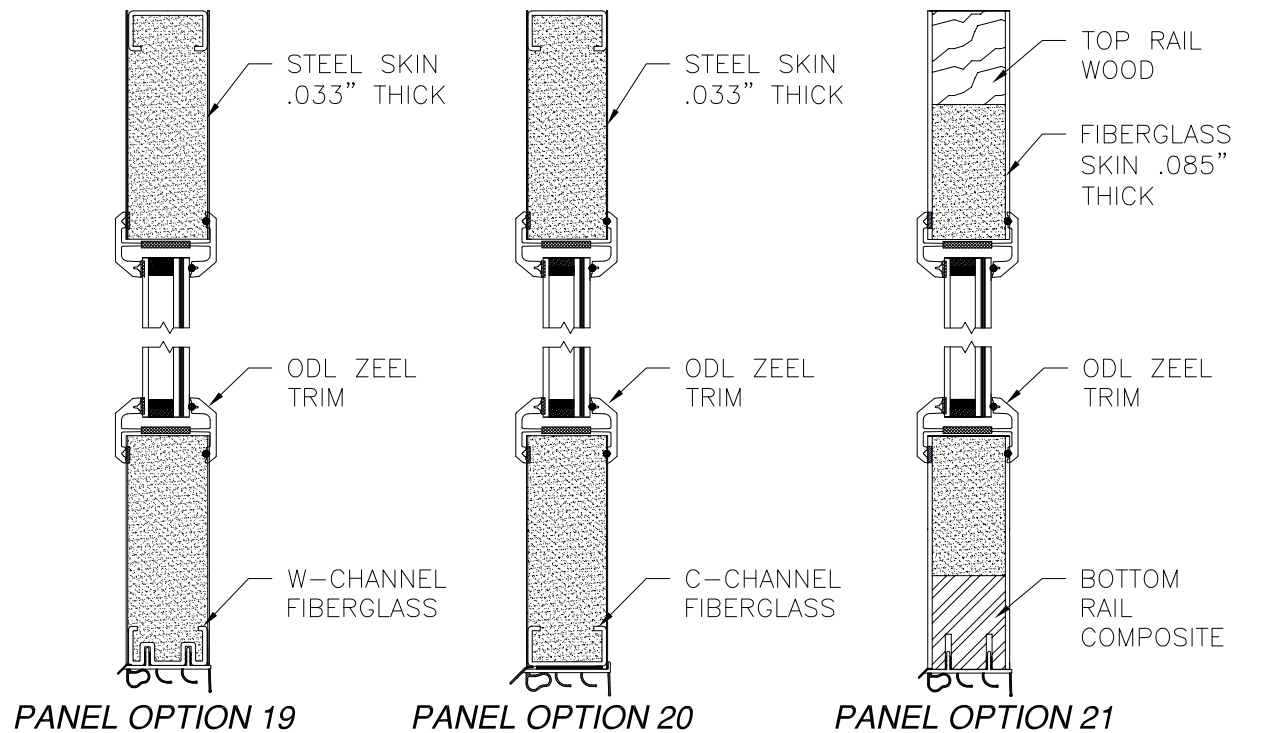
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208 7th Ave, INDIALANTIC, FL 32903  
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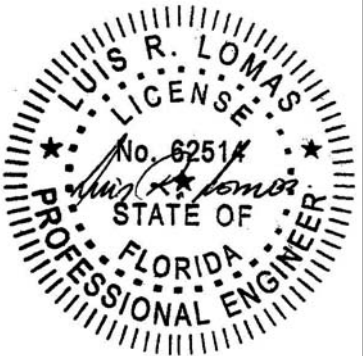
APPROVED SIDELITE SLABS

| REVISIONS |                                    |            |          |
|-----------|------------------------------------|------------|----------|
| REV       | DESCRIPTION                        | DATE       | APPROVED |
| I         | REVISE TRIMS AND HARDWARE SCHEDULE | 11/14/2023 | R.L.     |



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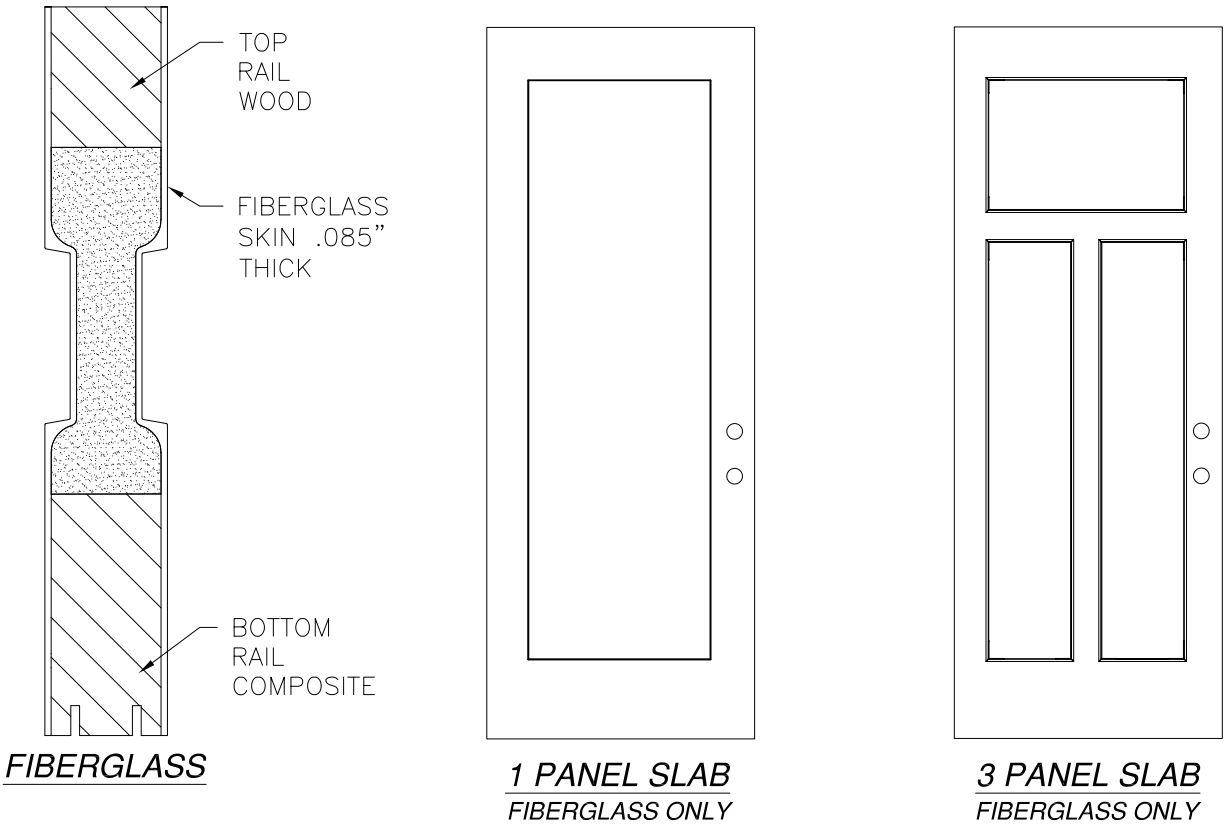
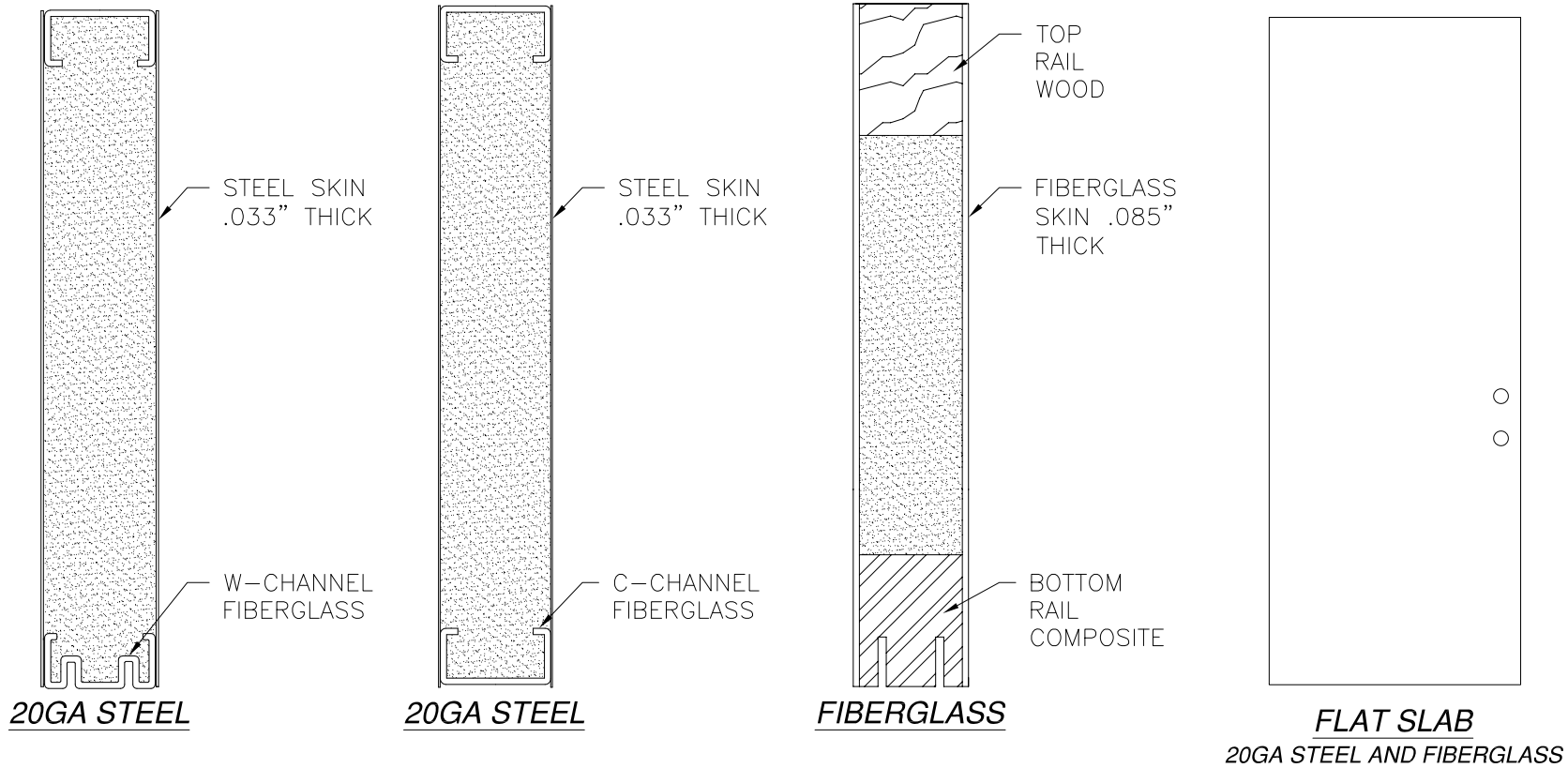
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|---------------------------------------------------------------------------------------------------|---------------------|-------------------|
| PROVIA, LLC.<br>2150 STATE ROUTE 39 WEST<br>SUGARCREEK, OH 44681                                  |                     |                   |
| STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR<br>W/SIDELITES & TRANSOM - IMPACT<br>APPROVED SLABS   |                     |                   |
| DRAWN:<br>N.G.                                                                                    | DWG NO.<br>08-02037 | REV<br>I          |
| SCALE<br>NTS                                                                                      | DATE<br>05/22/13    | SHEET<br>14 OF 17 |
| 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 SLABS AND CROSS SECTIONS

| REVISIONS |                                    |            |          |
|-----------|------------------------------------|------------|----------|
| REV       | DESCRIPTION                        | DATE       | APPROVED |
| I         | REVISE TRIMS AND HARDWARE SCHEDULE | 11/14/2023 | R.L.     |



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

STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR  
W/SIDELITES & TRANSOM - IMPACT  
APPROVED SLABS

DRAWN:  
N.G.

DWG NO.  
08-02037

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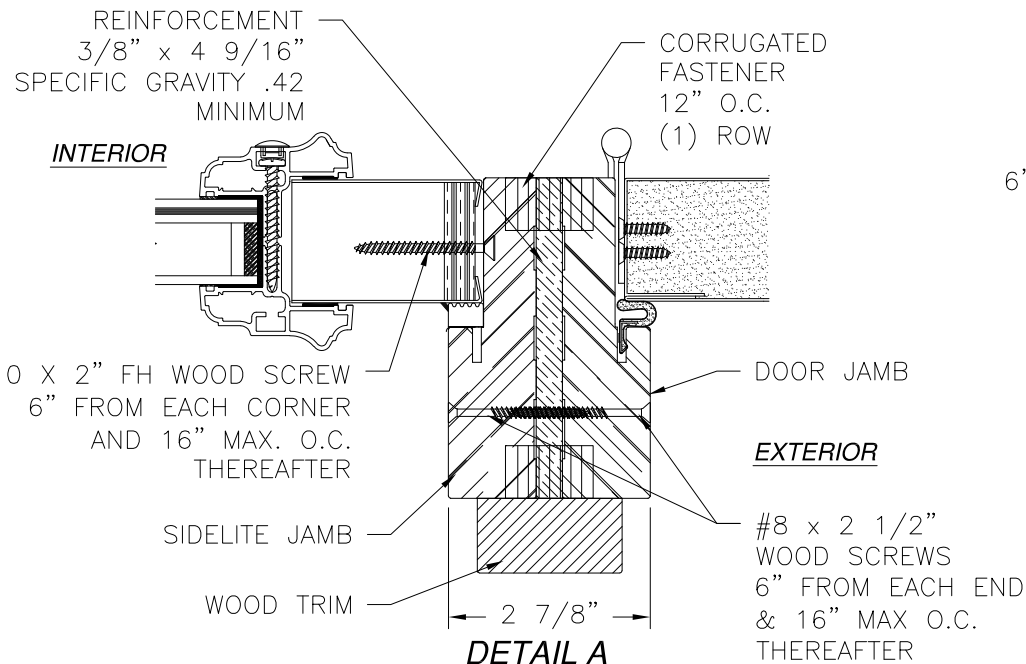
DATE 05/22/13

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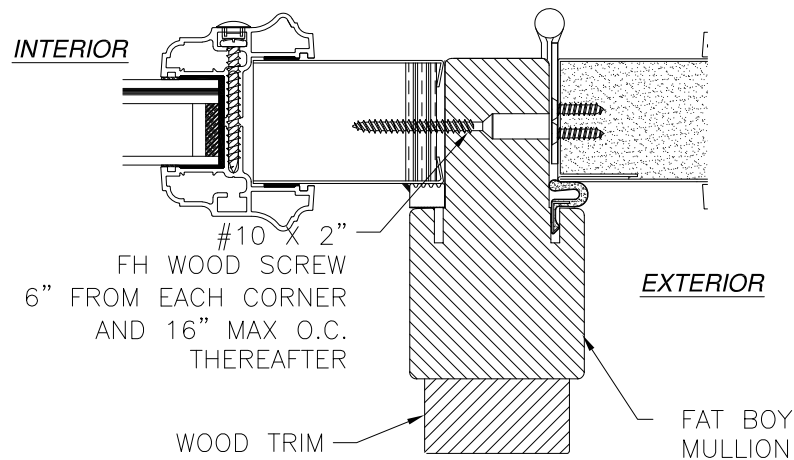
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434-688-0609 rllomas@lrlomaspe.com

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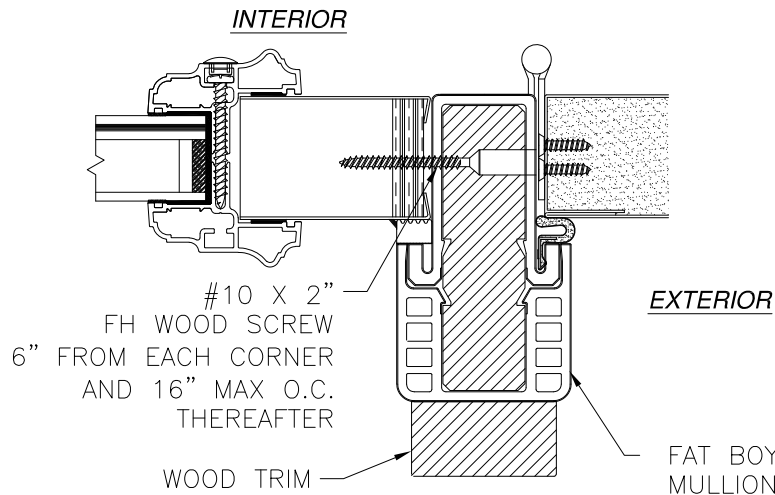
Luis R. Lomas P.E.  
FL No.: 62514



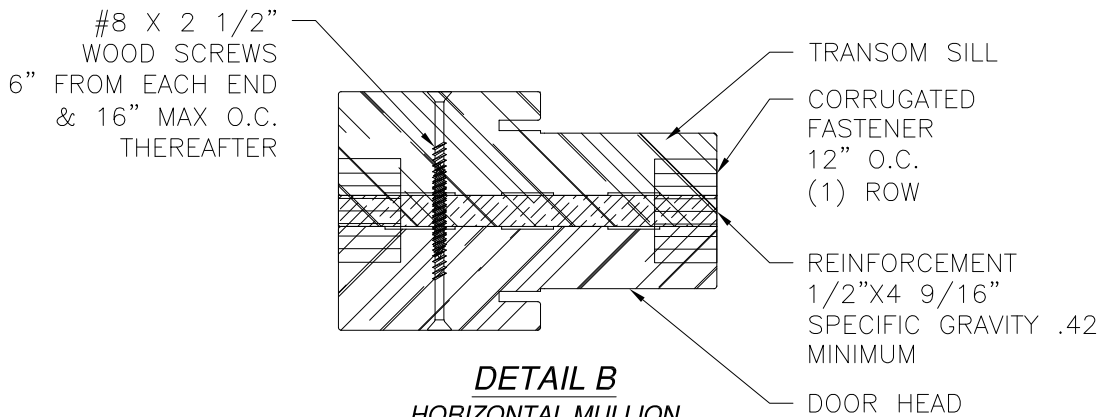
**DETAIL A**  
VERTICAL MULLION  
STANDARD FRAME SHOWN,  
COMPOSITE AND FUSION FRAME SIMILAR



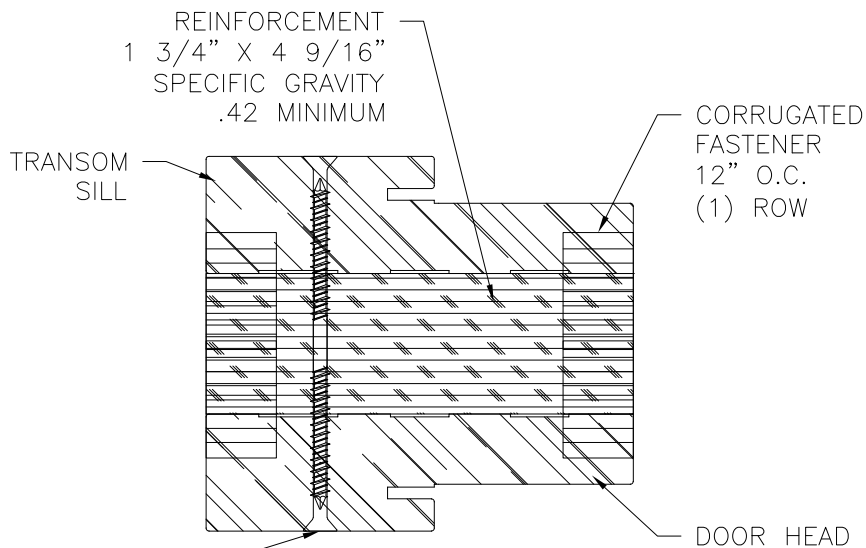
**DETAIL C**  
WITH FAT BOY MULLION



**DETAIL C**  
WITH HYBRID FAT BOY MULLION



**DETAIL B**  
HORIZONTAL MULLION  
STANDARD FRAME SHOWN,  
COMPOSITE AND FUSION FRAME SIMILAR



**DETAIL D**  
HORIZONTAL MULLION  
STANDARD FRAME SHOWN,  
COMPOSITE AND FUSION FRAME SIMILAR

| REVISIONS |                                    |            |          |
|-----------|------------------------------------|------------|----------|
| REV       | DESCRIPTION                        | DATE       | APPROVED |
| I         | REVISE TRIMS AND HARDWARE SCHEDULE | 11/14/2023 | R.L.     |

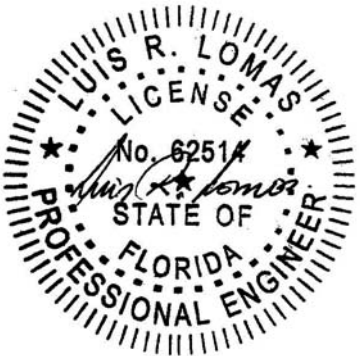
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PROVIA, LLC.  
2150 STATE ROUTE 39 WEST  
SUGARCREEK, OH 44681

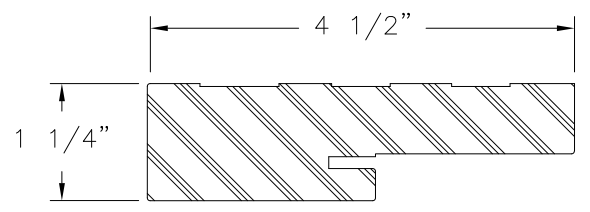
STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR  
W/SIDELITES & TRANSOM – IMPACT  
MULLION DETAILS

|                |                     |                   |
|----------------|---------------------|-------------------|
| DRAWN:<br>N.G. | DWG NO.<br>08-02037 | REV<br>I          |
| SCALE<br>NTS   | DATE<br>05/22/13    | SHEET<br>16 OF 17 |

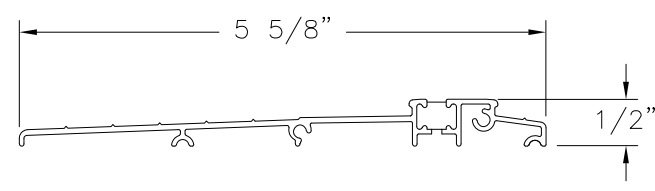
L. ROBERTO LOMAS P.E.  
208 7th Ave, INDIALANTIC, FL 32903  
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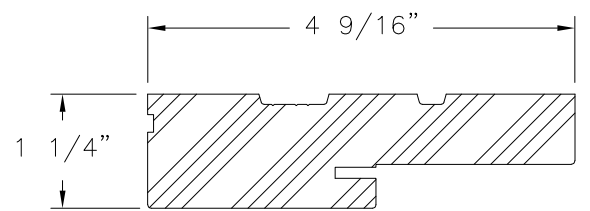
Luis R. Lomas P.E.  
FL No.: 62514



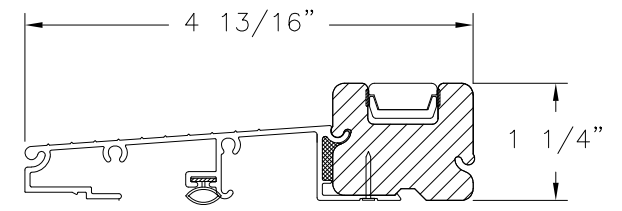
COMPOSITE FRAME PROFILE



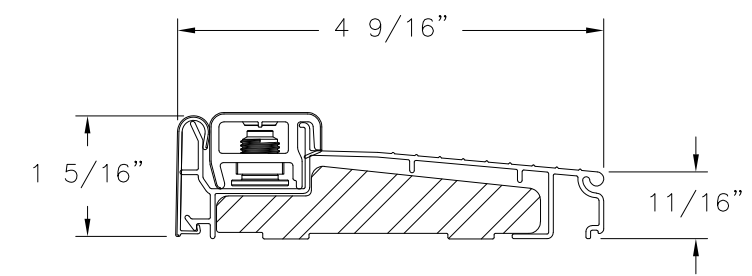
ADA THRESHOLD



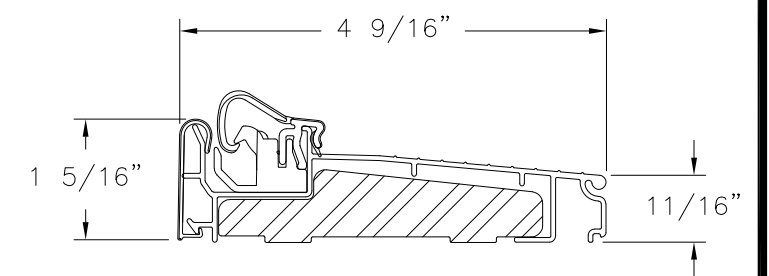
WOOD FRAME PROFILE



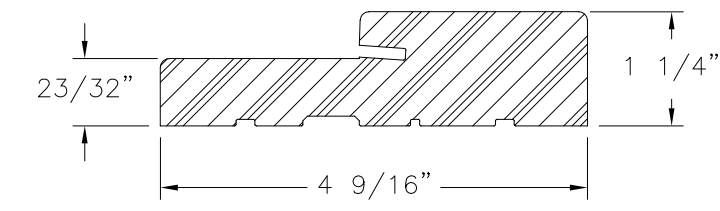
SAHARA INSWING THRESHOLD



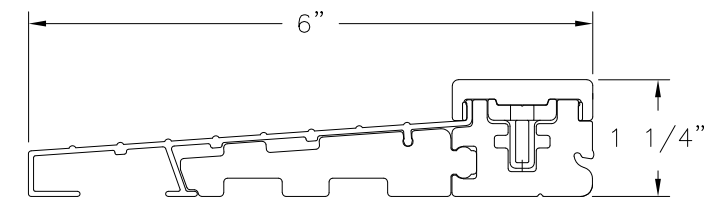
INSWING SILL ZAIL4565



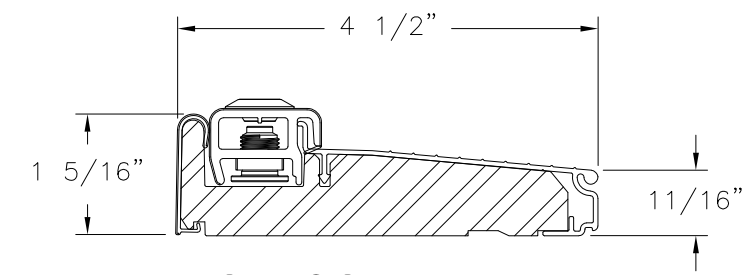
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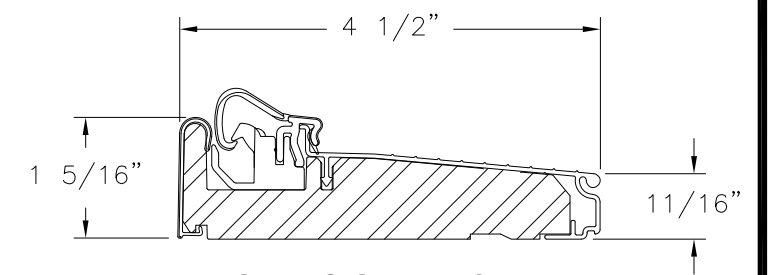
FRAMESAVER  
COMPOSITE



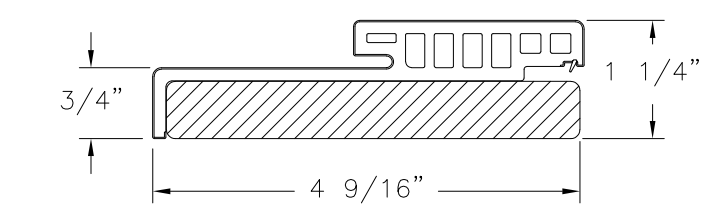
STANDARD INSWING THRESHOLD



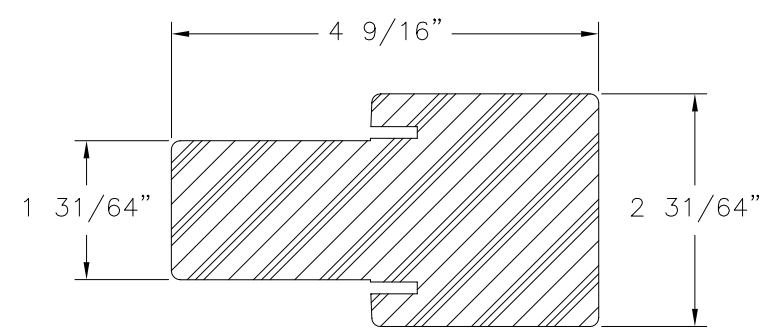
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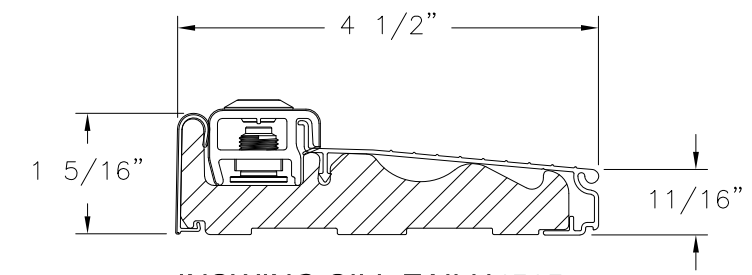
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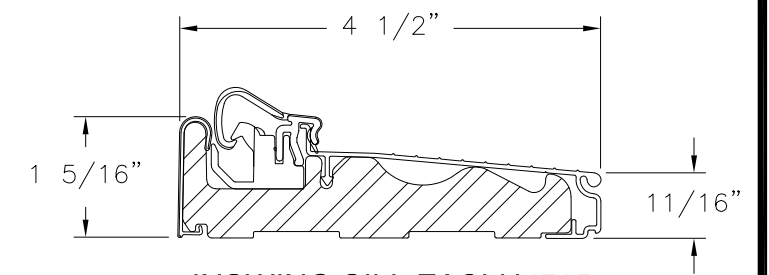
HYBRID HEAD  
WOOD/COMPOSITE



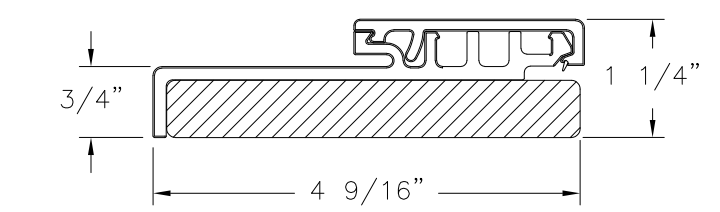
FAT BOY MULLION  
COMPOSITE



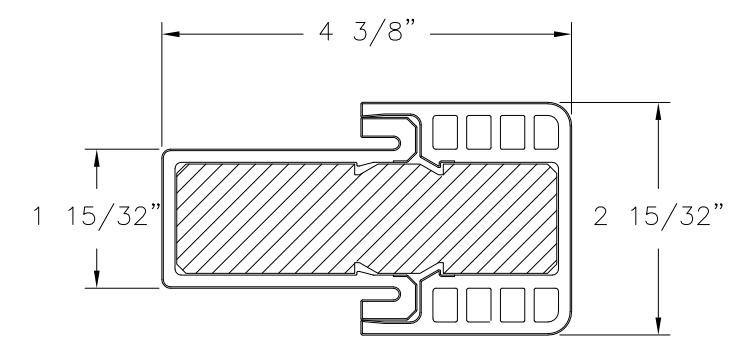
INSWING SILL ZAILH4565



INSWING SILL ZACLH4565



HYBRID JAMB  
WOOD/COMPOSITE



HYBRID FAT BOY MULLION  
COMPOSITE

| REVISIONS |                                    |            |          |
|-----------|------------------------------------|------------|----------|
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| I         | REVISE TRIMS AND HARDWARE SCHEDULE | 11/14/2023 | R.L.     |

SIGNED: 12/26/2023

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

STEEL/FIBERGLASS INSWING OPAQUE SINGLE DOOR  
W/SIDELITES & TRANSOM - IMPACT  
COMPONENTS

DRAWN:  
N.G.

DWG NO.  
08-02037

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NTS

DATE  
05/22/13

SHEET  
17 OF 17

L. ROBERTO LOMAS P.E.  
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LUIS R. LOMAS  
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STATE OF  
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PROFESSIONAL ENGINEER

Luis R. Lomas P.E.  
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