

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF FLORIDA BUILDING CODE.
- 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 NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 4) UNITS MUST BE GLAZED PER ASTM E1300-04/09. SEE SHEET 29 FOR GLAZING DETAILS.
- 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 #8 WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE A 1 3/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ANCHORING LAYOUT AND INSTALLATION DETAILS.
- 8) FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCON OF SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ANCHORING LAYOUT AND INSTALLATION DETAILS.
- 9) FOR ANCHORING INTO METAL STRUCTURE USE #8 SMS OR SELF DRILLING SCREW WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10) ALL FASTENERS TO BE CORROSION RESISTANT.
- 11) INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES:

A. WOOD - G=0.42 MINIMUM SPECIFIC GRAVITY

B. CONCRETE - 3,000PSI MINIMUM COMPRESSIVE STRENGTH.

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

D. METAL STRUCTURE - STEEL 18GA (.048") FY=33KSI/FU=52KSI

- 12) FRAME MATERIAL: WOOD WITH G .46 MINIMUM SPECIFIC GRAVITY OR FRAMESAVER, OR FUSION FRAME.
- 13) DOOR PANEL MATERIAL: 22GA. STEEL SKIN MINIMUM WITH .054" STEEL TOP AND BOTTOM RAILS.
- 14) STANDARD SIDELITE PANEL MATERIAL: 24GA. STEEL SKIN.
- 15) 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 3 FOR APPROVED HARDWARE.

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PROVIA, LLC.

2150 STATE ROUTE 39 WEST

SUGARCREEK, OH 44681

22GA. STEEL OPAQUE DOOR IS/OS

W/ AND W/OUT SIDELITES - IMPACT

NOTES

DRAWN: TJH

DWG NO. 08-00979

REV E

SCALE NTS

DATE 04/16/10

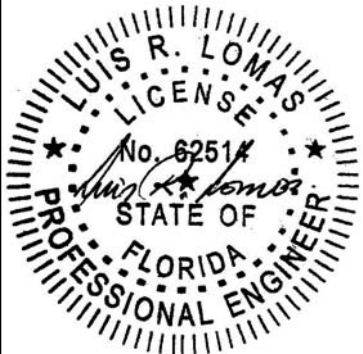
SHEET 1 OF 32

L. ROBERTO LOMAS P.E.

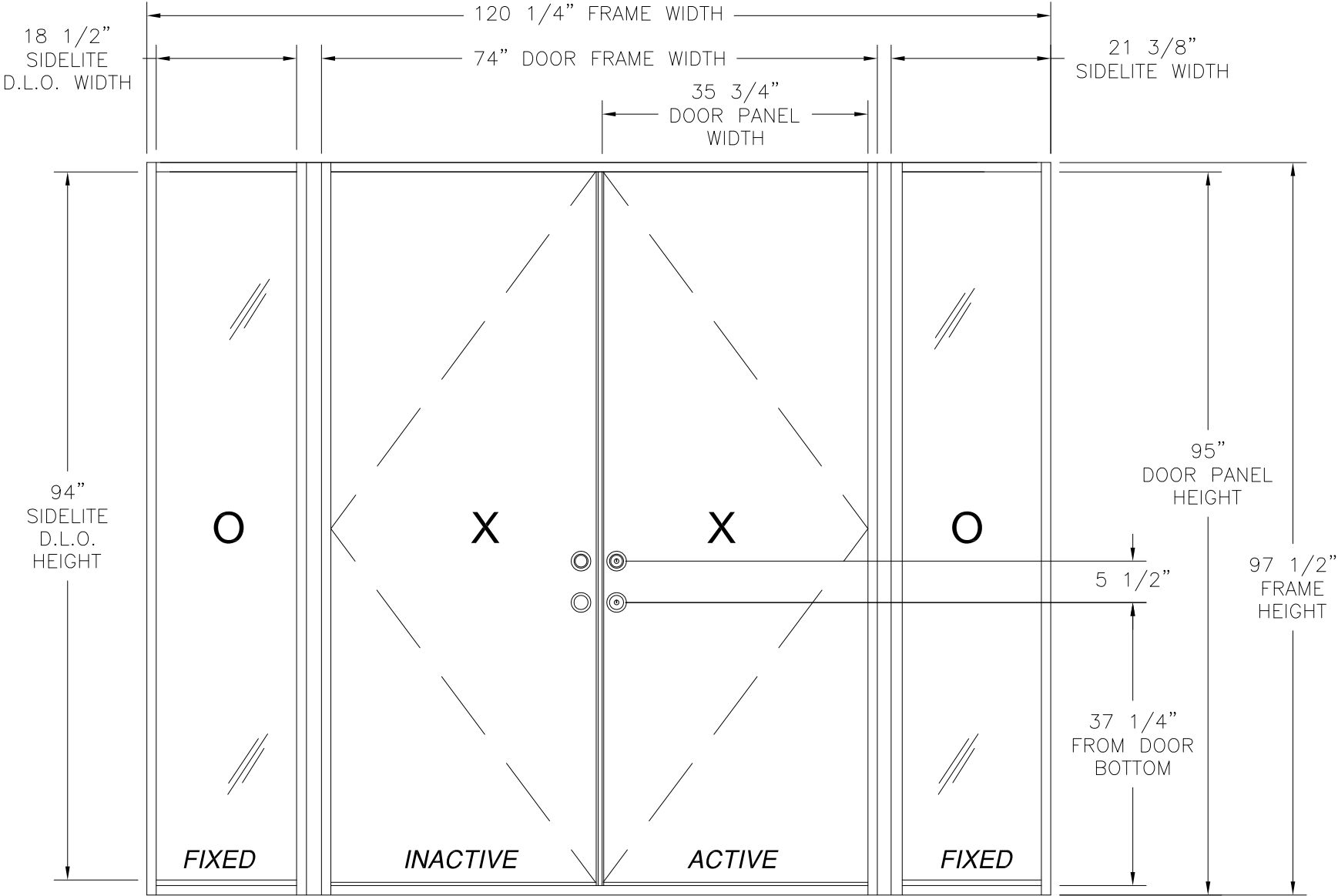
1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 01/08/2020



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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.

22GA. STEEL DOUBLE DOOR INSWING /OUTSWING W/SIDELITES
EXTERIOR VIEW

WITH DIRECTSET SIDELITES

DESIGN PRESSURE RATING	IMPACT RATING
+45.0PSF/-51.0PSF	LARGE AND SMALL MISSILE IMPACT
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	

WITH STANDARD SIDELITES

DESIGN PRESSURE RATING	IMPACT RATING
±51.0PSF	LARGE AND SMALL MISSILE IMPACT
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	

FOR ADDITIONAL APPROVED CONFIGURATIONS SEE SHEET 3.
35 3/4" x 95" PANEL SIZE SHOWN. OTHER SIZES ARE APPROVED AS
LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.58 FT²

SIGNED: 01/08/2020

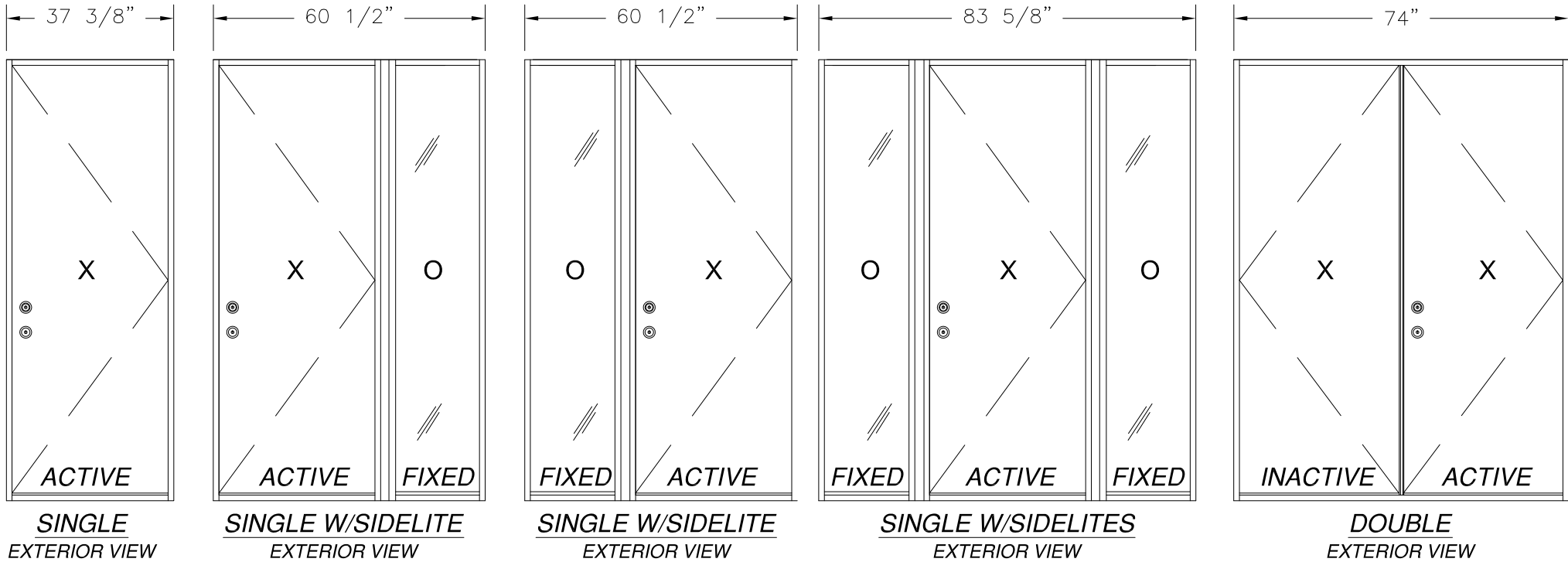
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2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES – IMPACT
ELEVATION

DRAWN: TJH	DWG NO. 08-00979	REV E
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WITH DIRECTSET SIDELITES

DESIGN PRESSURE RATING	IMPACT RATING
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THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	

WITHOUT SIDELITES
WITH STANDARD SIDELITES

DESIGN PRESSURE RATING	IMPACT RATING
±51.0PSF	LARGE AND SMALL MISSILE IMPACT
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED	

35 3/4" x 95" PANEL SIZE SHOWN. OTHER SIZES ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 23.58 FT²

NOTE:
APPROVED CONFIGURATIONS MAY BE INSWING OR OUTSWING RIGHT HAND ACTIVE OR LEFT HAND ACTIVE. SIDELITES MAY BE DIRECTSET OR INSERT GLAZED.

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. INSWING HURRICANE ASTRAGAL BY ENDURA.
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.

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22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES – IMPACT
ADDITIONAL CONFIGURATIONS AND HARDWARE

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08-00979

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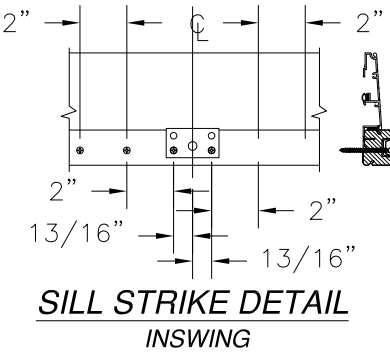
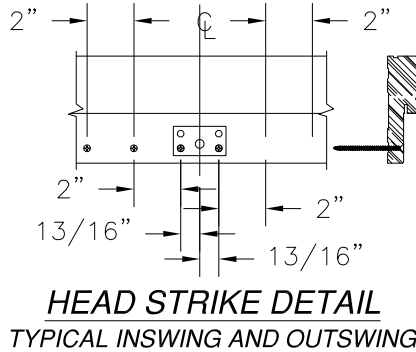
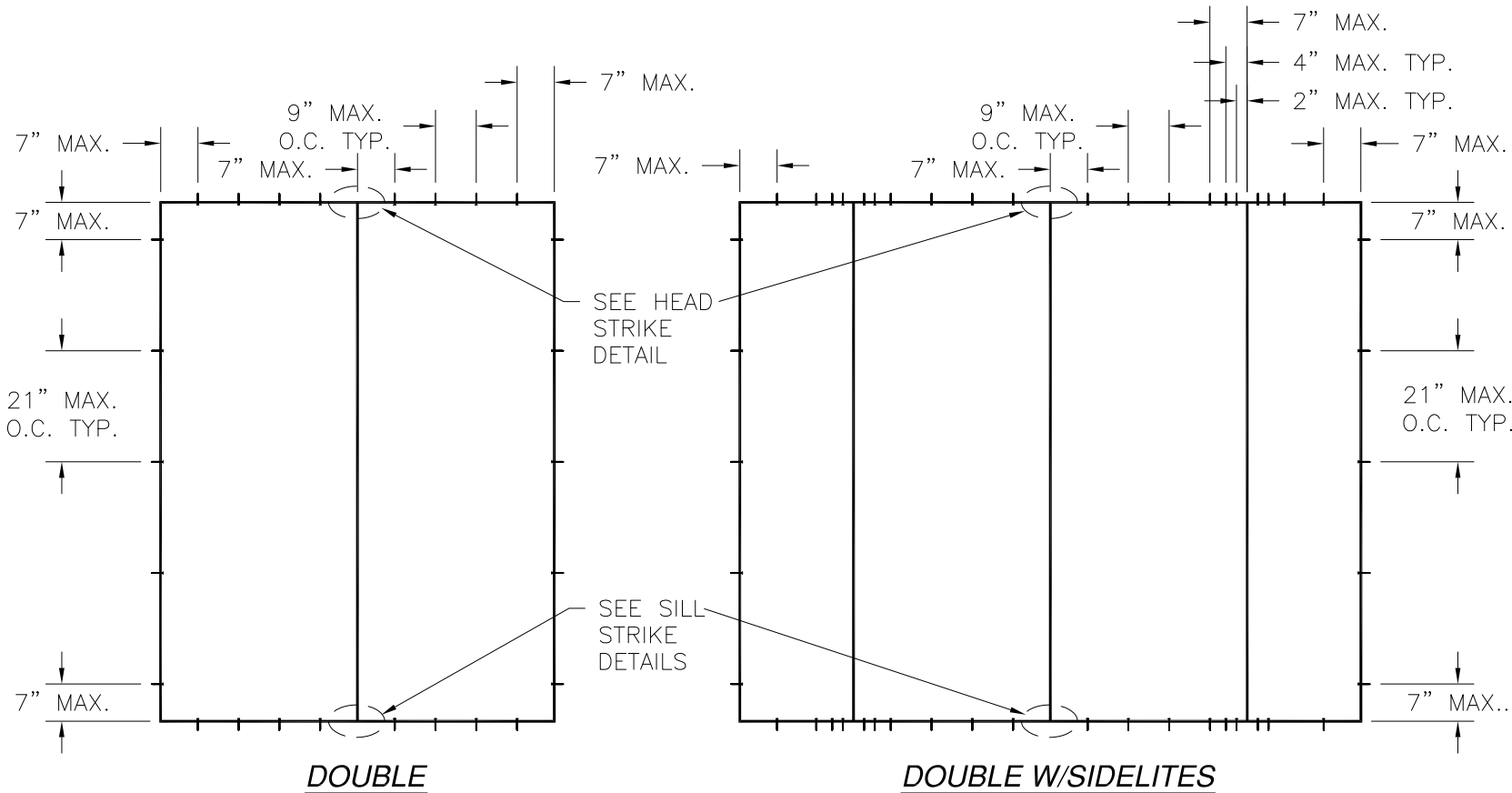
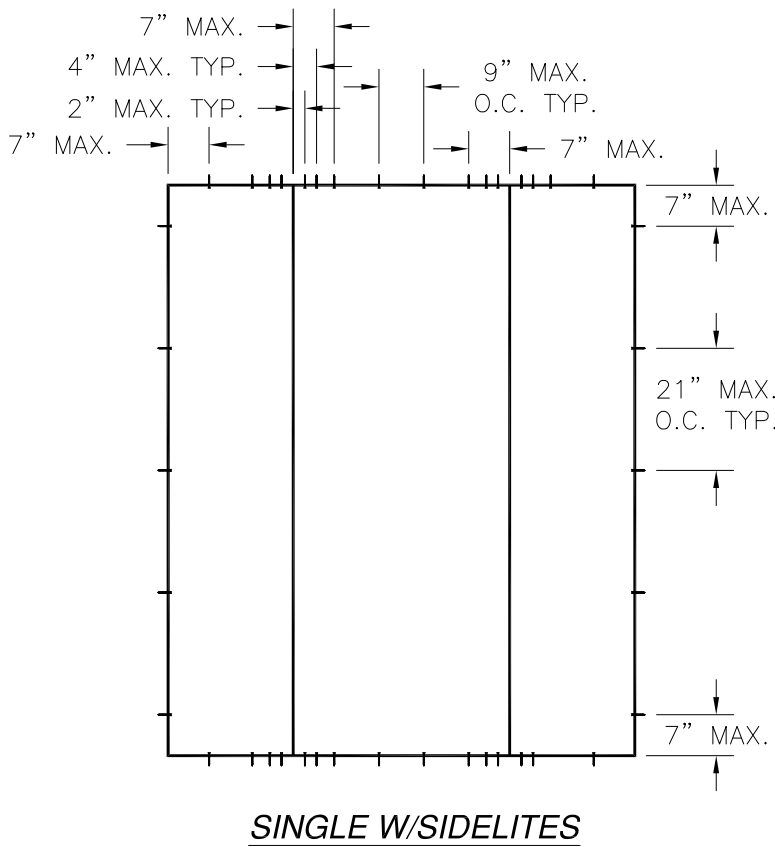
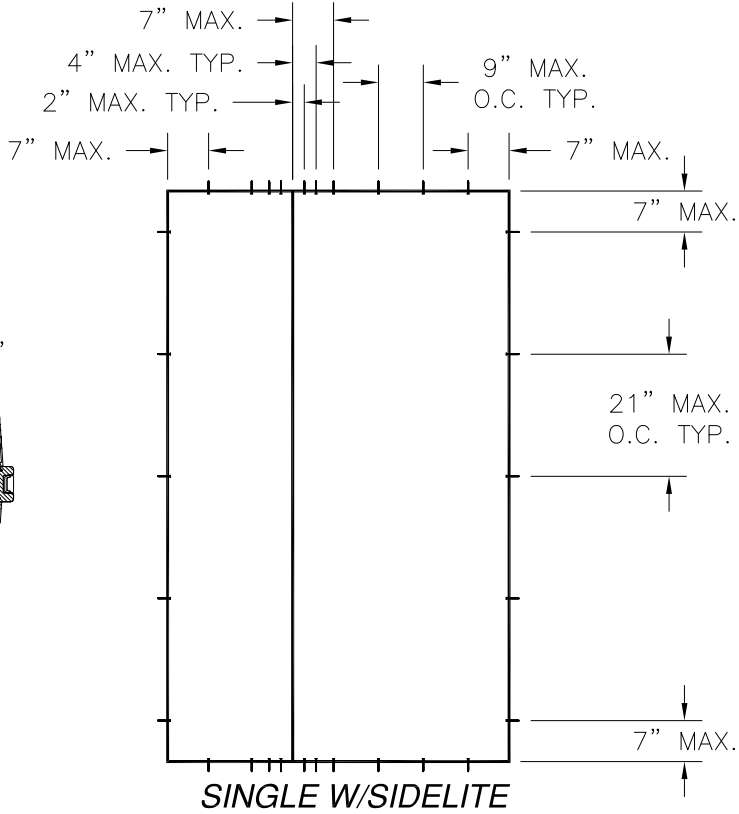
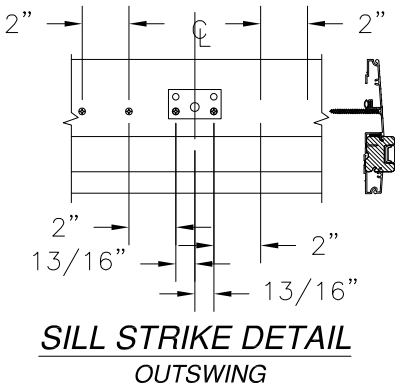
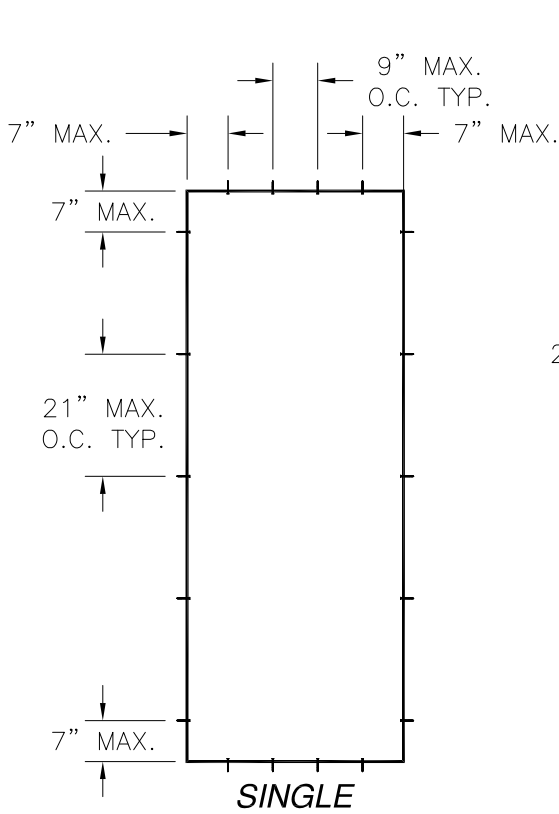
SHEET 3 OF 32

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22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES – IMPACT
ANCHORING LAYOUTS AND DETAILS

DRAWN: TJH

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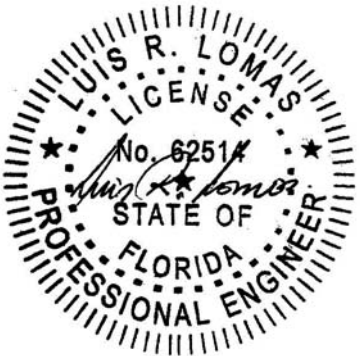
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SHEET 4 OF 32

L. ROBERTO LOMAS P.E.

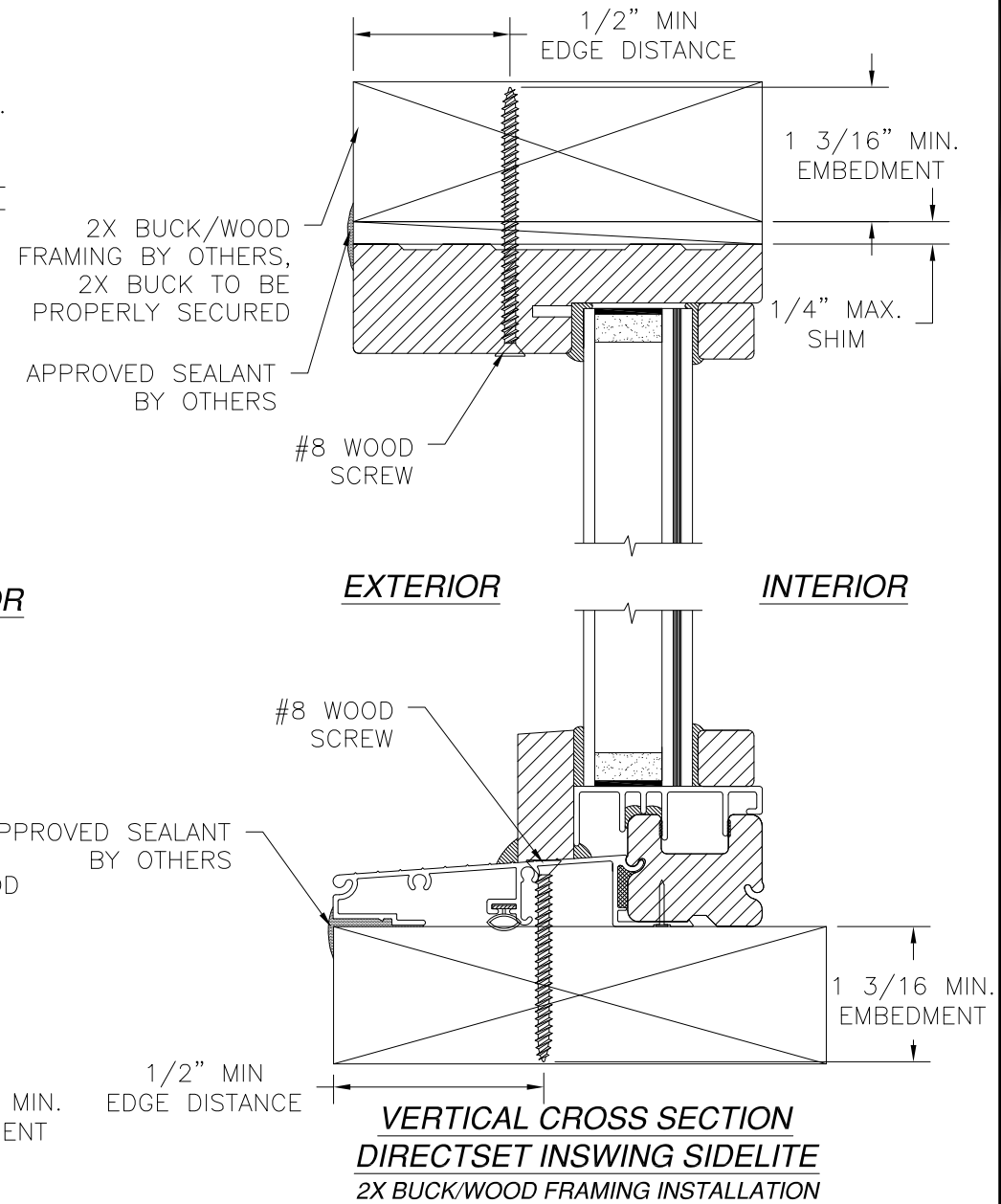
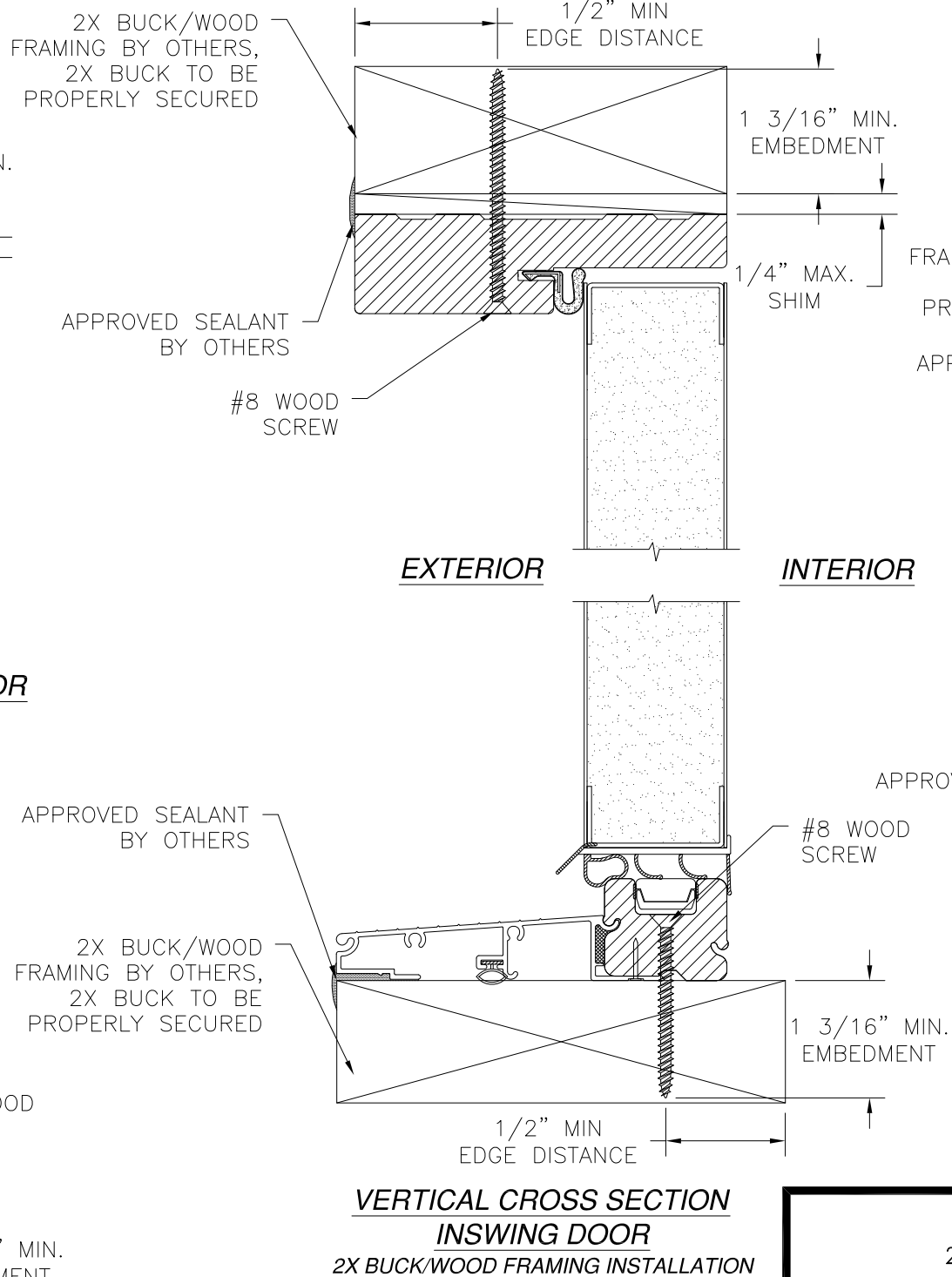
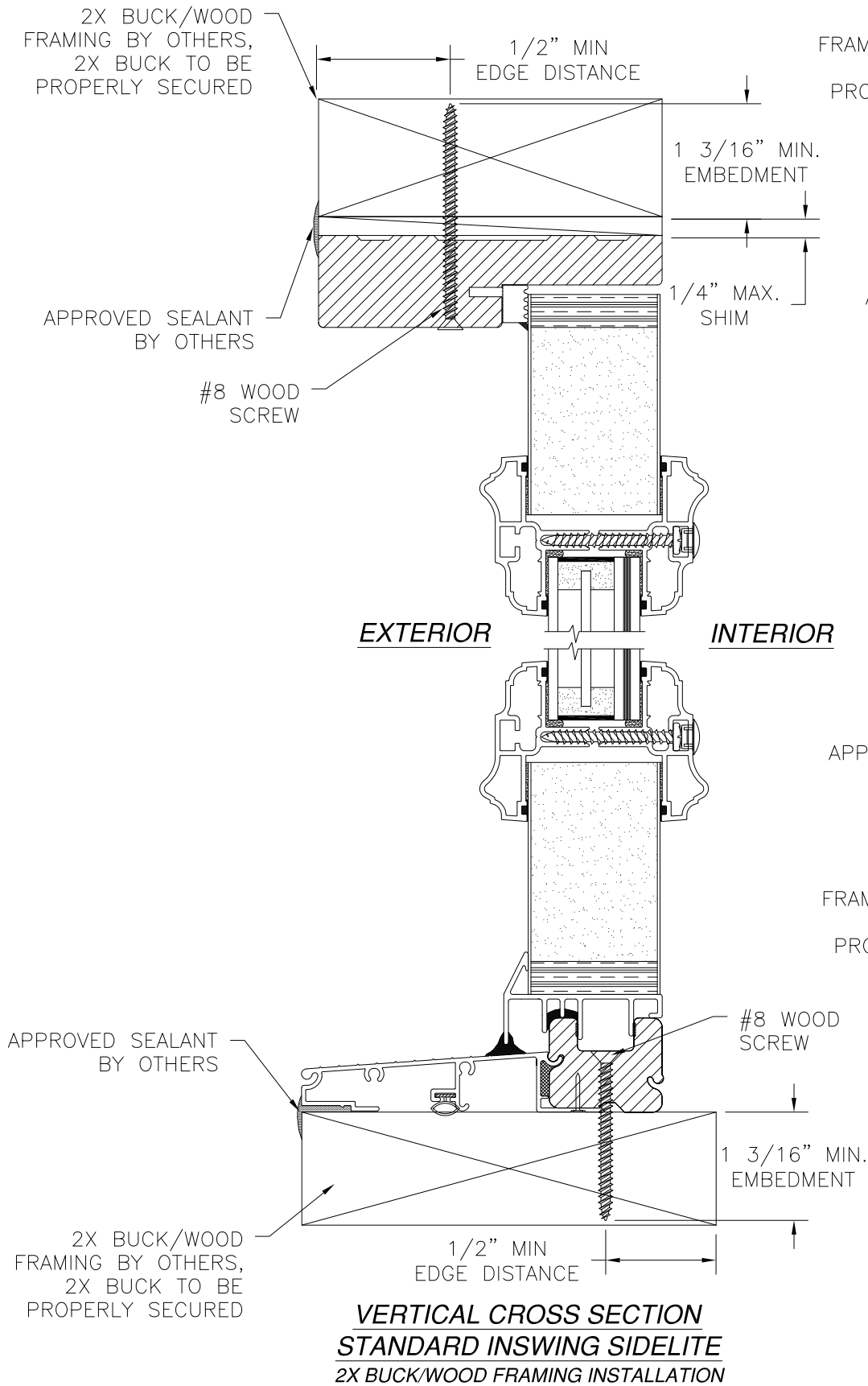
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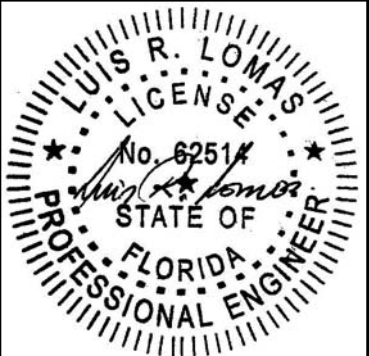
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- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

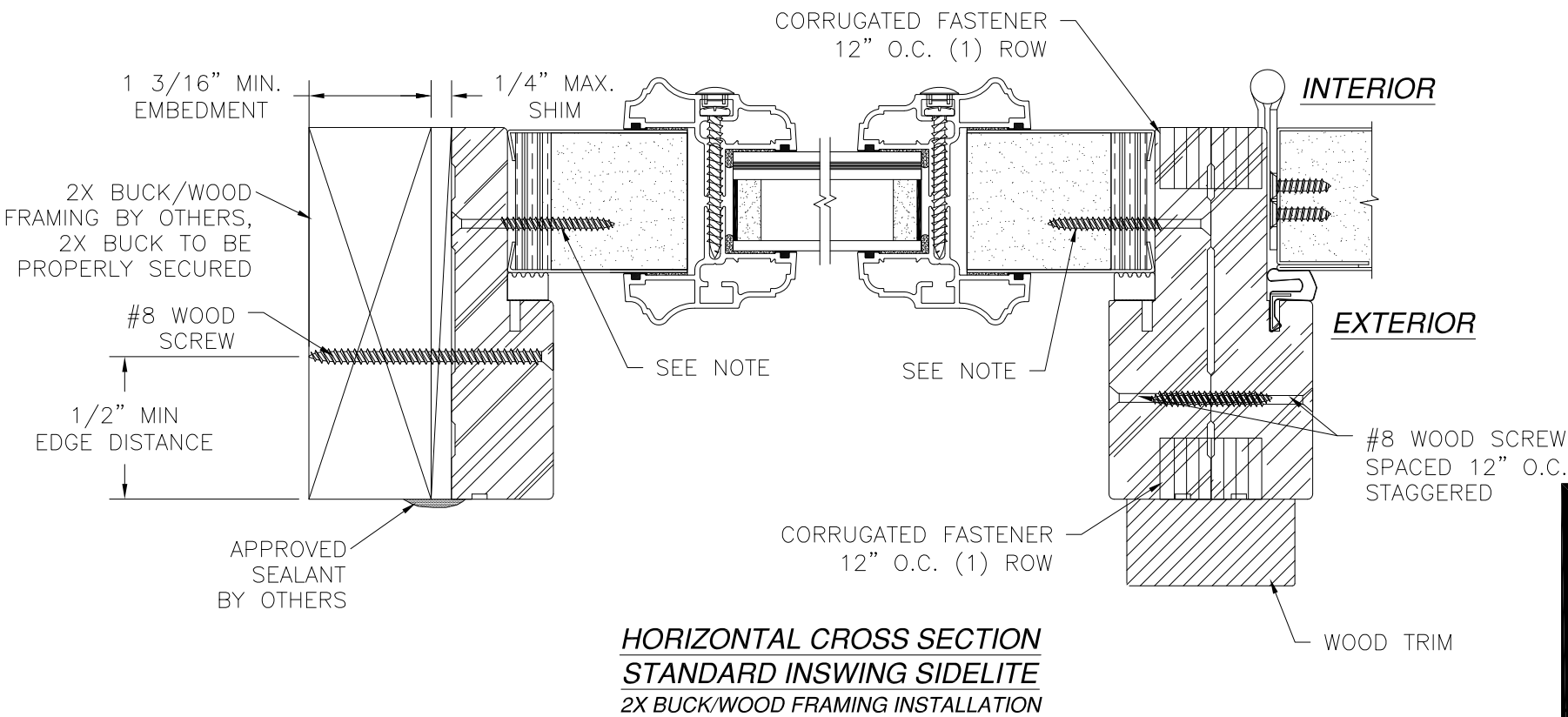
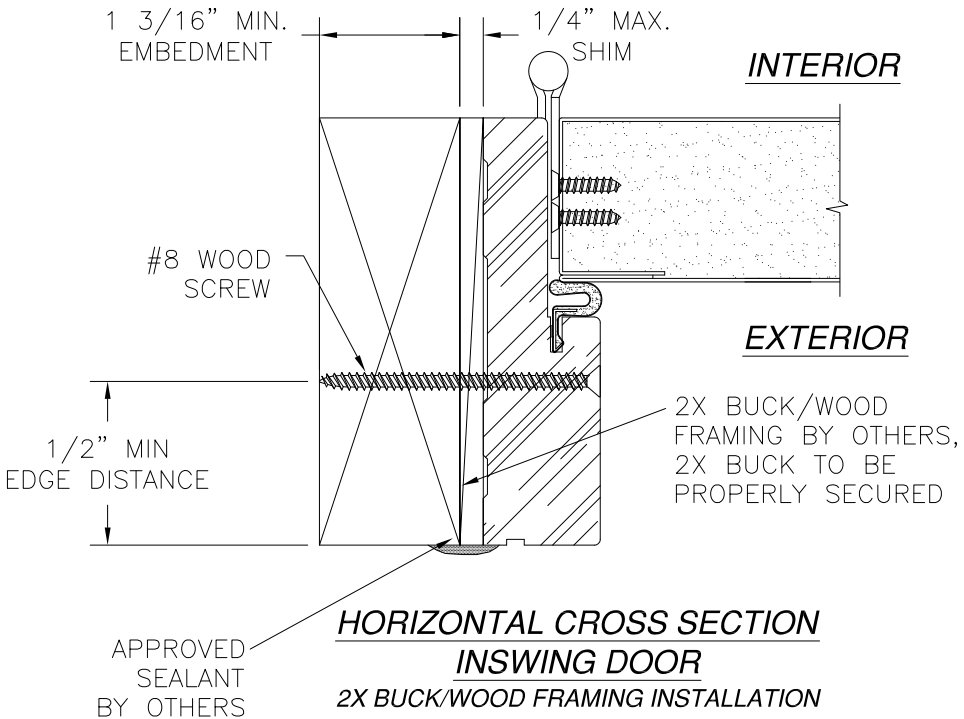
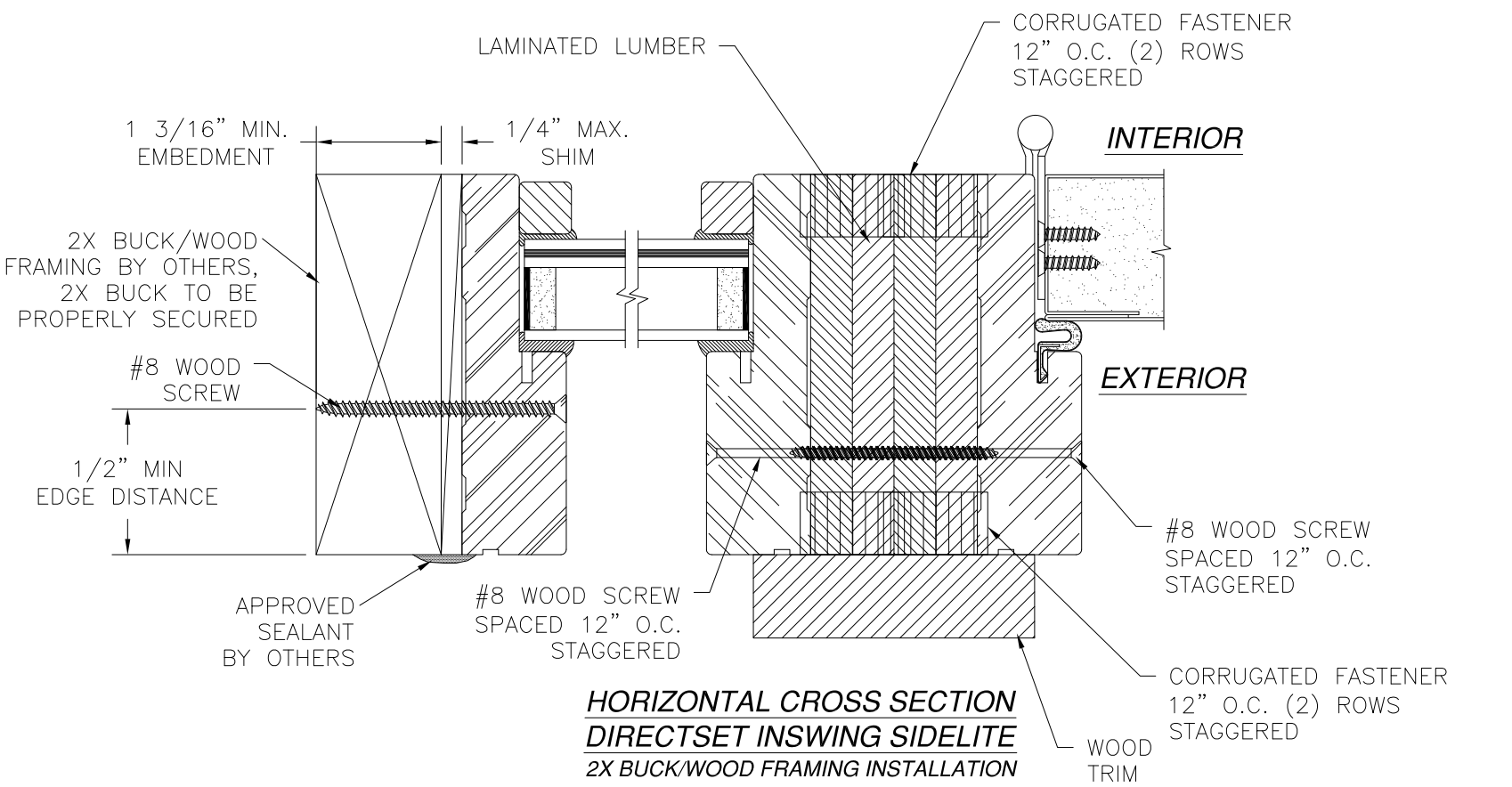
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES – IMPACT INSWING INSTALLATION DETAILS		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 5 OF 32
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STANDARD SIDELITE PANEL ATTACHMENT:
SIDELITE PANEL IS SECURED INTO THE FRAME AT JAMBS ONLY
WITH (9) #8 x 1 5/8" WOOD SCREWS SPACED AT 3" FROM
EACH CORNER AND 17" MAX. O.C. THEREAFTER.

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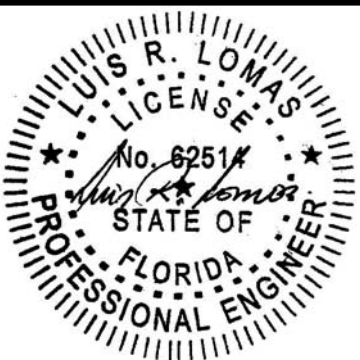
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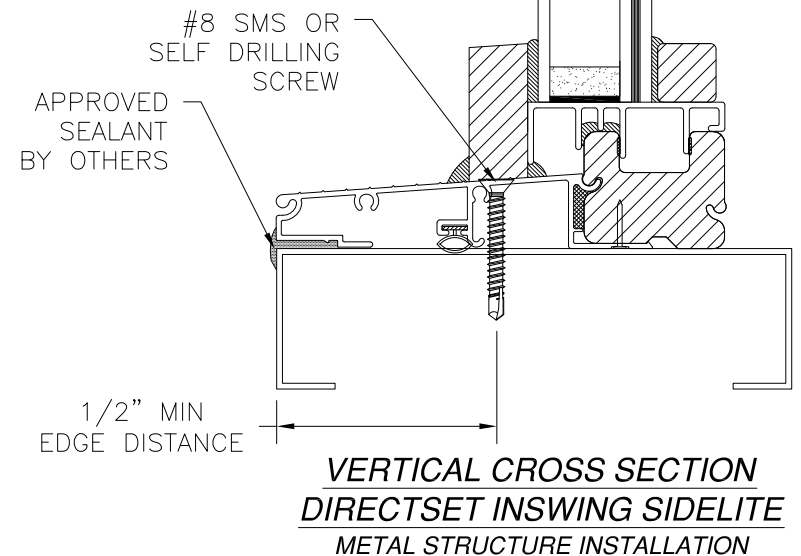
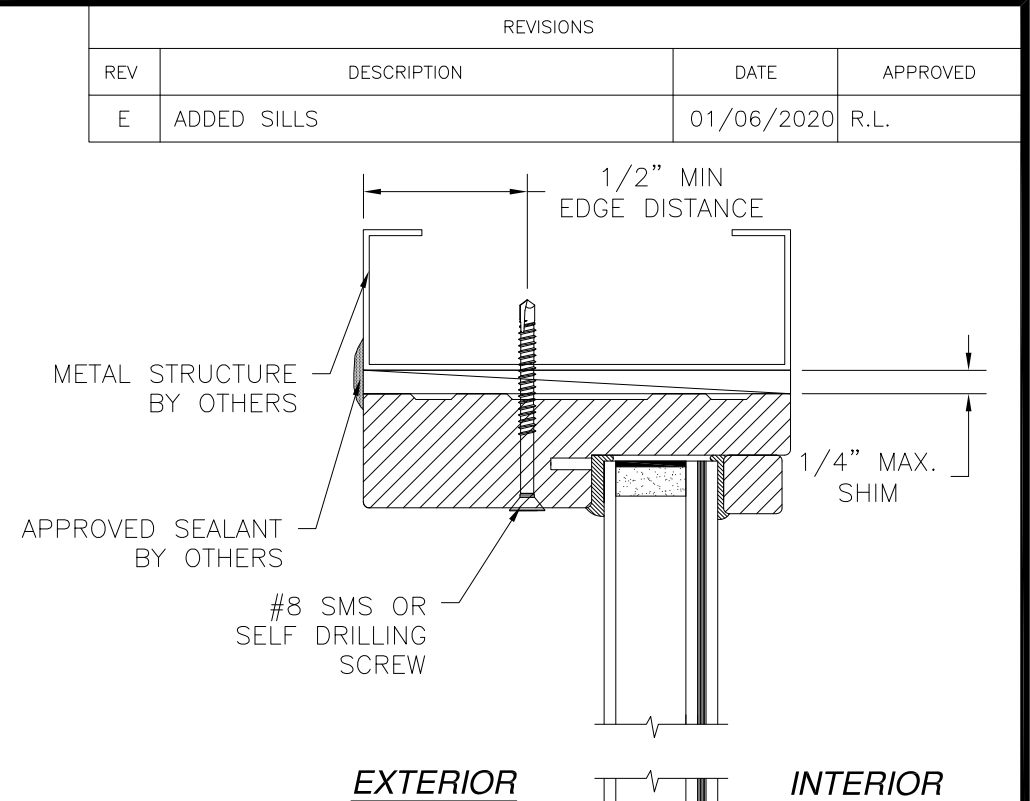
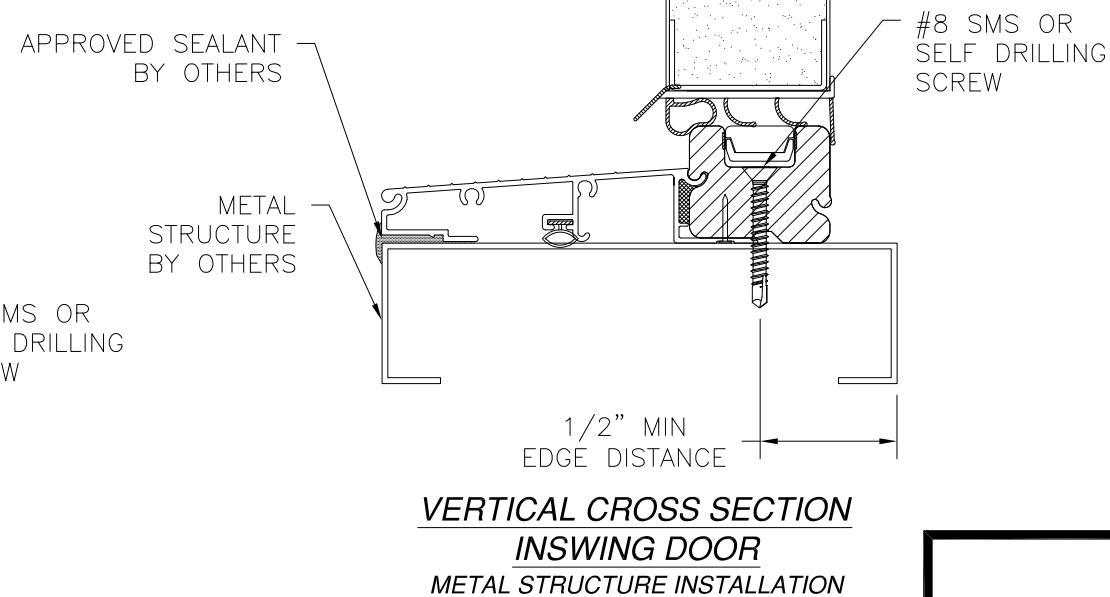
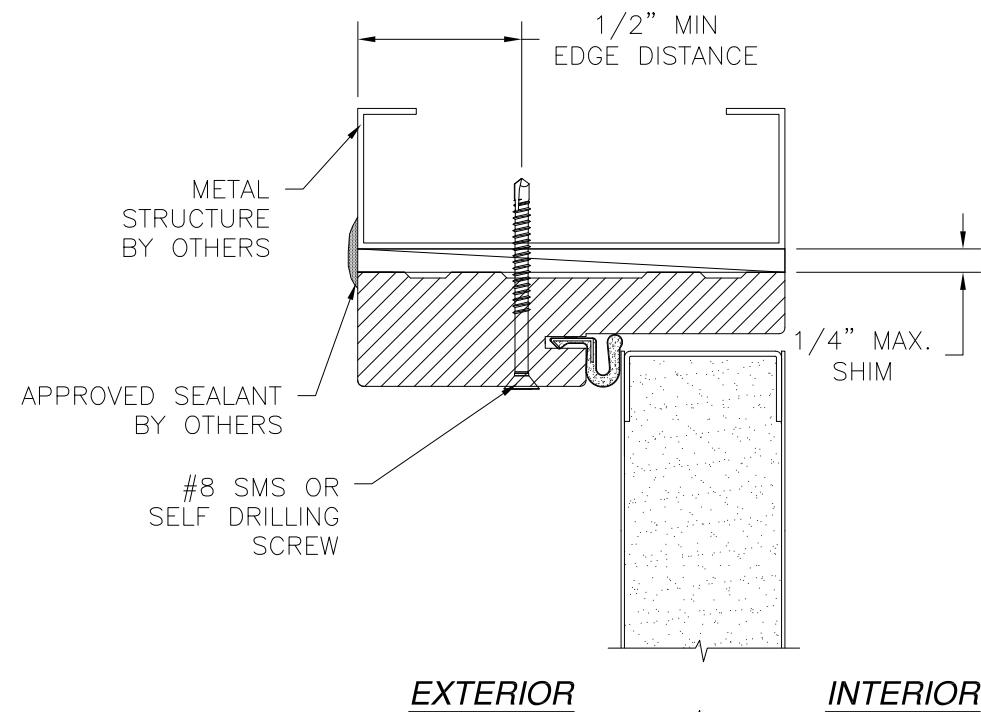
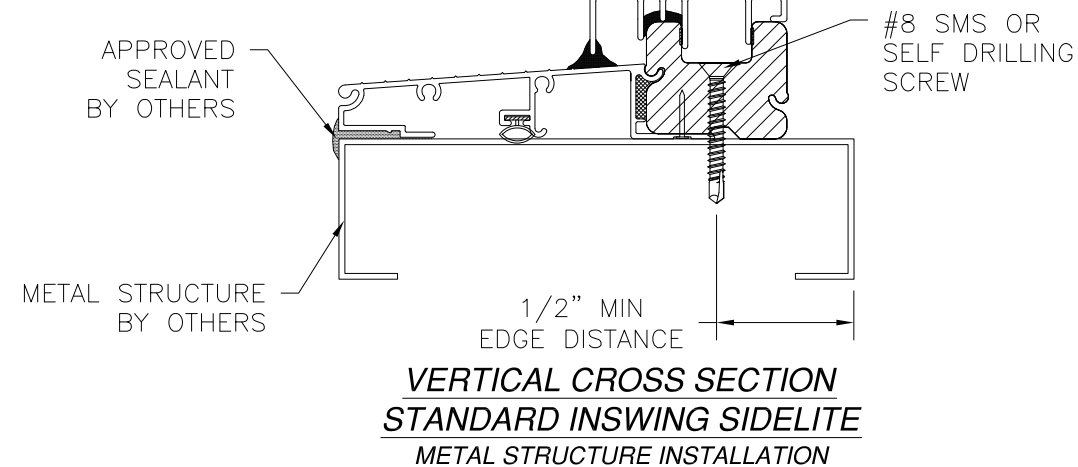
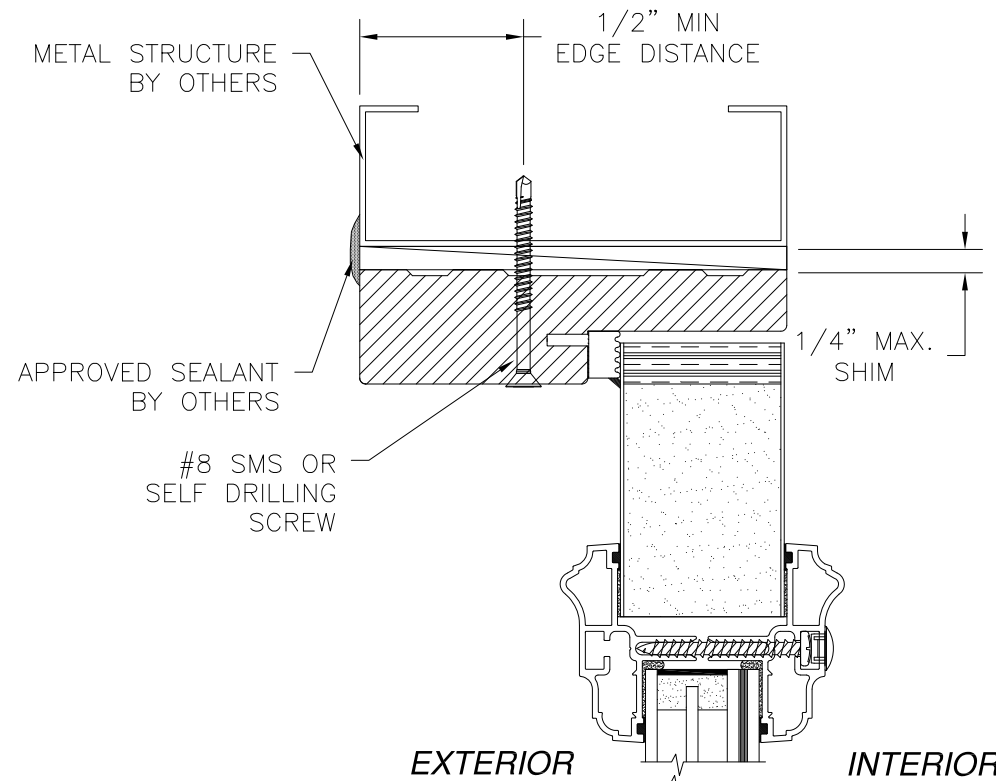
22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES – IMPACT
INSWING INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00979	REV E
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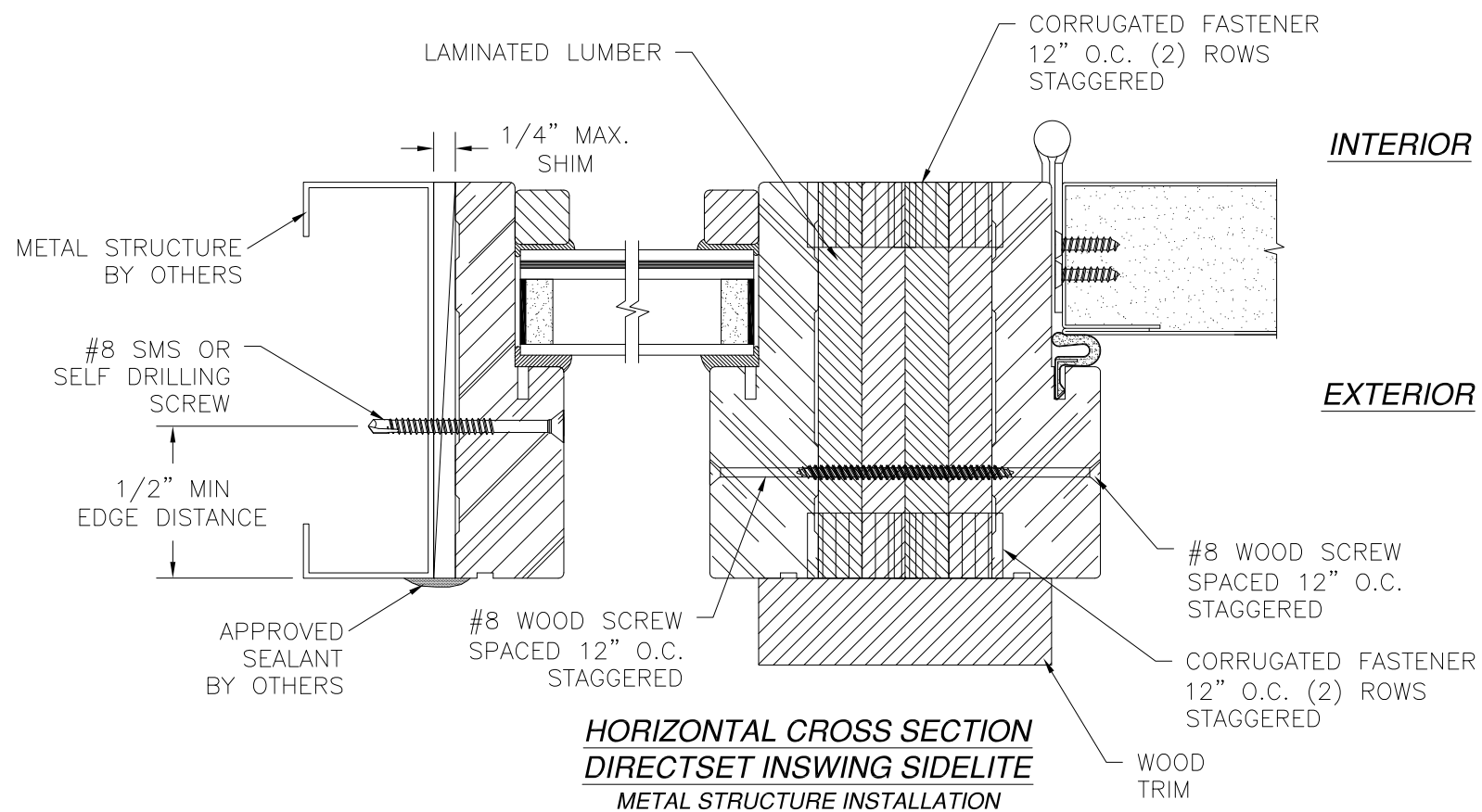
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES - IMPACT INSWING INSTALLATION DETAILS		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 7 OF 32
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

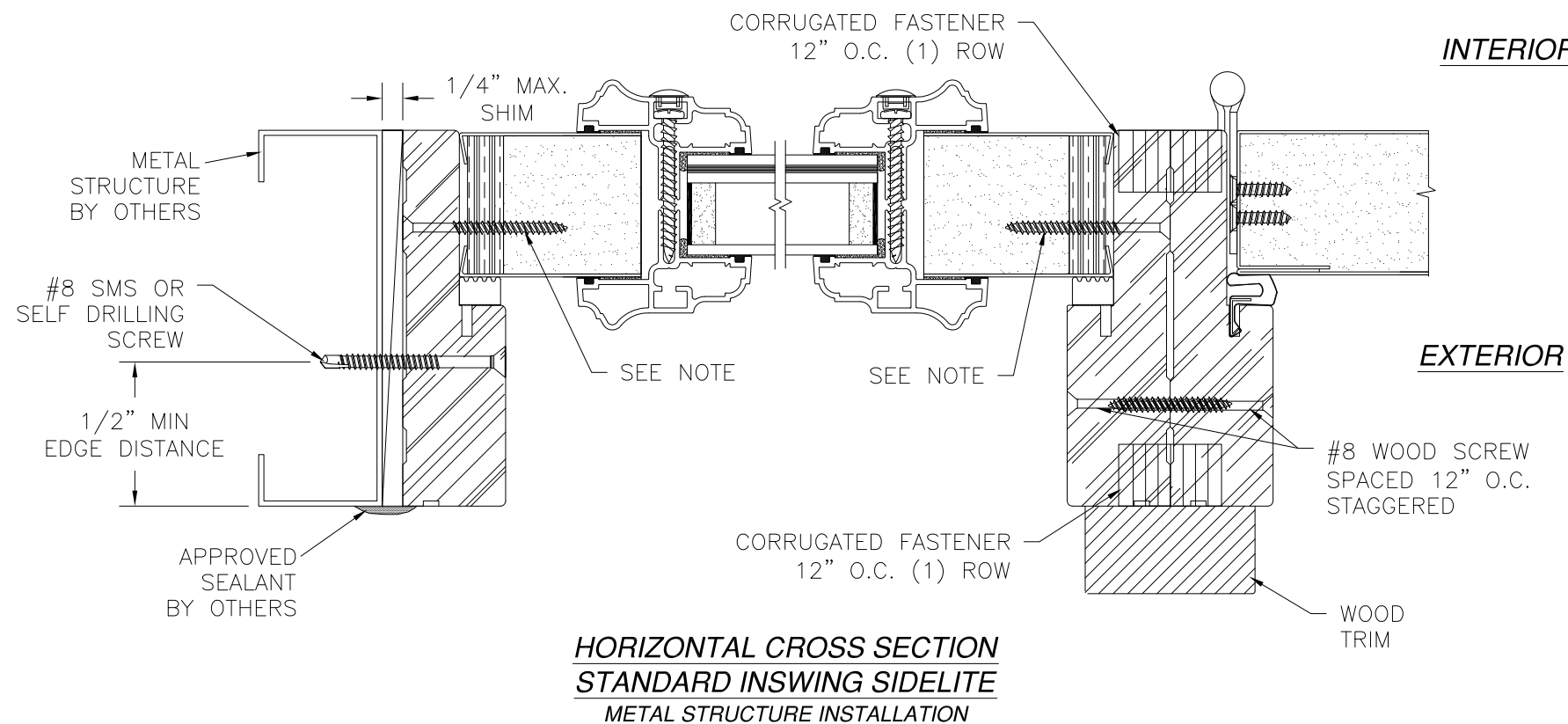
SIGNED: 01/08/2020

LUIS R. LOMAS
 LICENSED PROFESSIONAL ENGINEER
 No. 62514
 STATE OF FLORIDA

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



**HORIZONTAL CROSS SECTION
DIRECTSET INSWING SIDELITE
METAL STRUCTURE INSTALLATION**



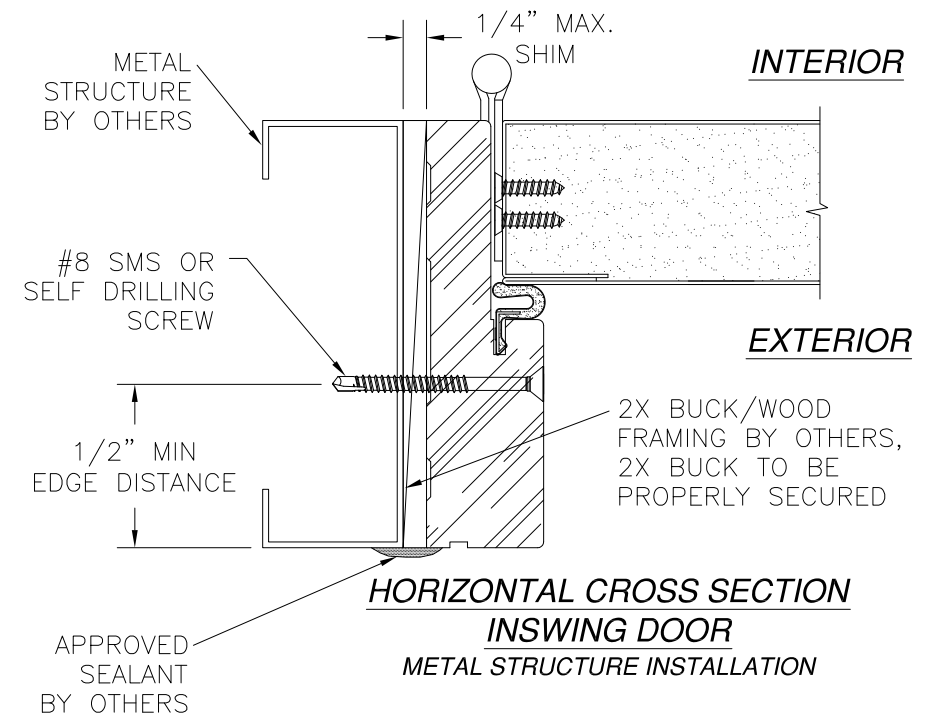
**HORIZONTAL CROSS SECTION
STANDARD INSWING SIDELITE
METAL STRUCTURE INSTALLATION**

STANDARD SIDELITE PANEL ATTACHMENT:
SIDELITE PANEL IS SECURED INTO THE FRAME AT JAMBS ONLY
WITH (9) #8 x 1 5/8" WOOD SCREWS SPACED AT 3" FROM
EACH CORNER AND 17" MAX. O.C. THEREAFTER.

NOTES:

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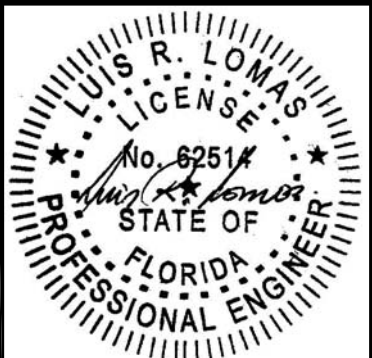
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**HORIZONTAL CROSS SECTION
INSWING DOOR
METAL STRUCTURE INSTALLATION**

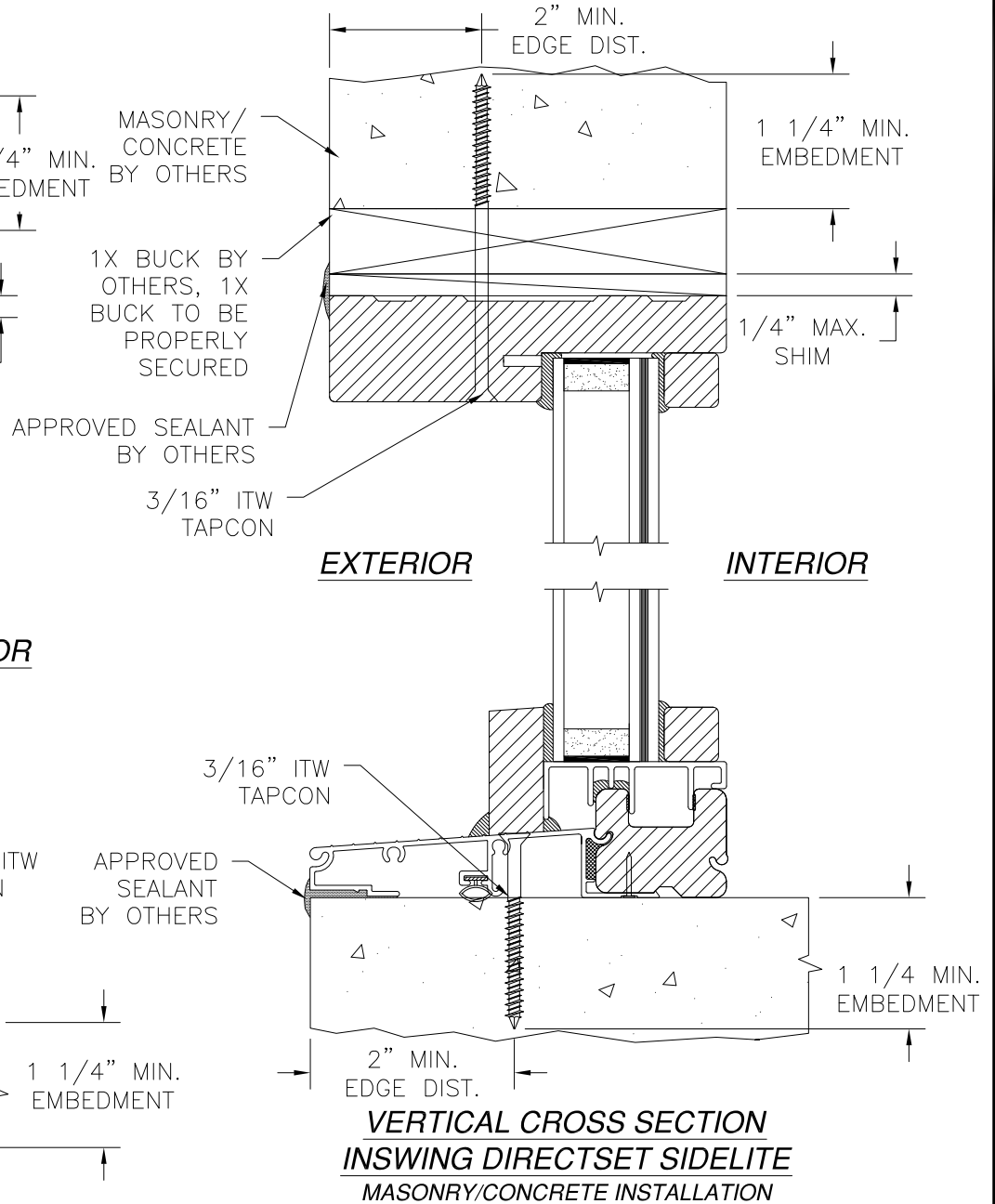
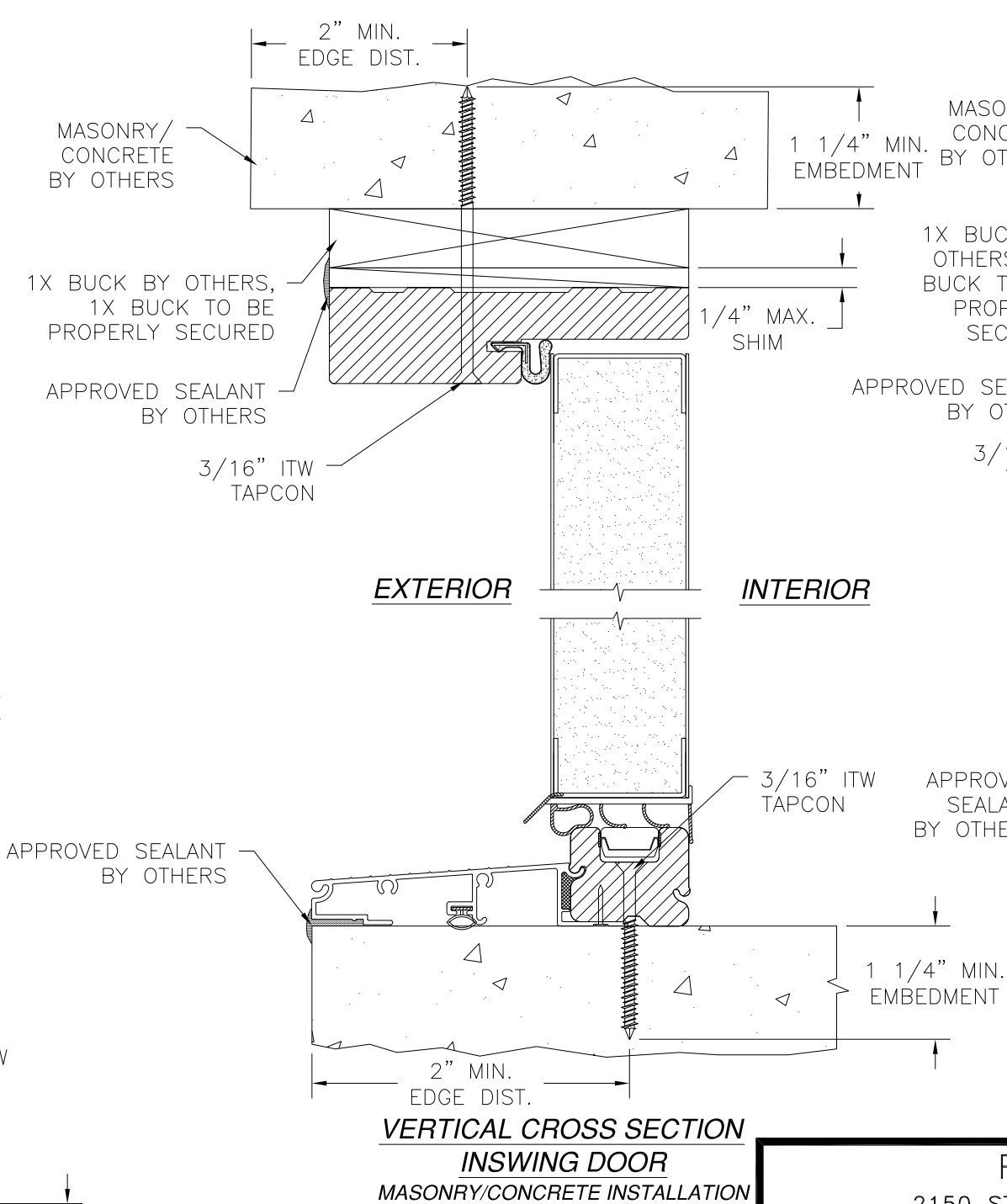
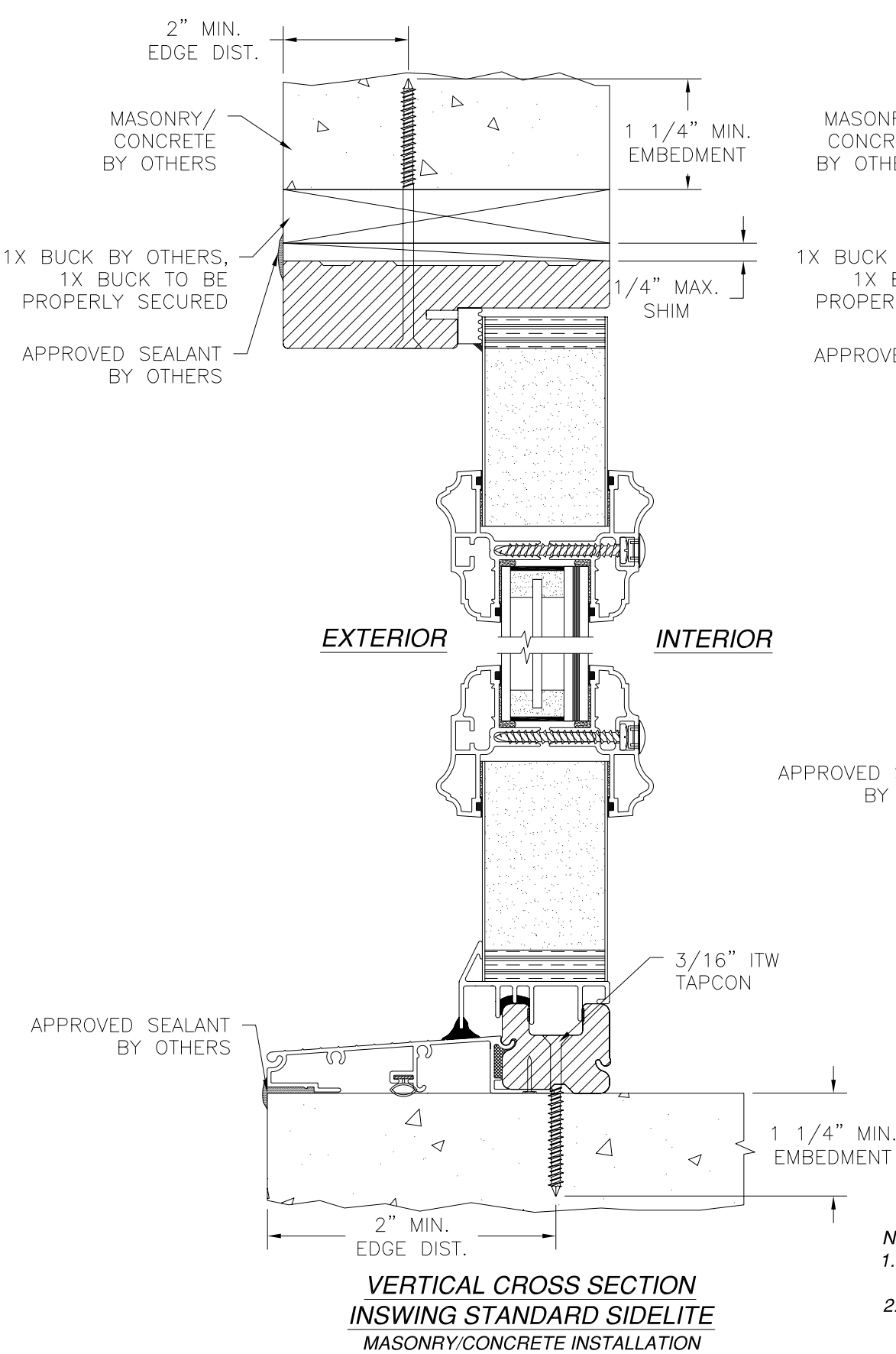
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22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES - IMPACT INSWING INSTALLATION DETAILS		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 8 OF 32
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



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22GA. STEEL OPAQUE DOOR IS/OS
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INSWING INSTALLATION DETAILS

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SHEET

9 OF 32

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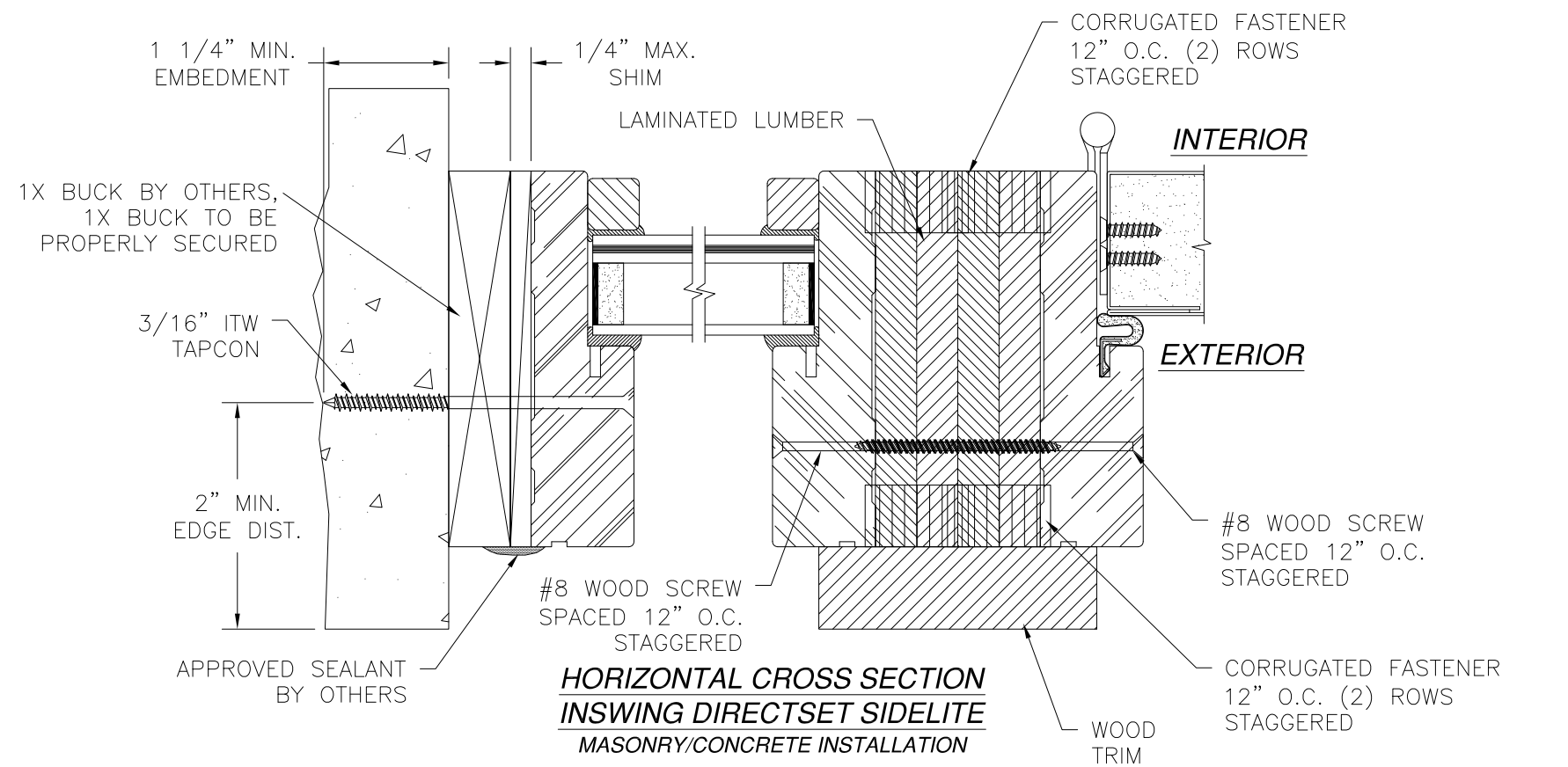
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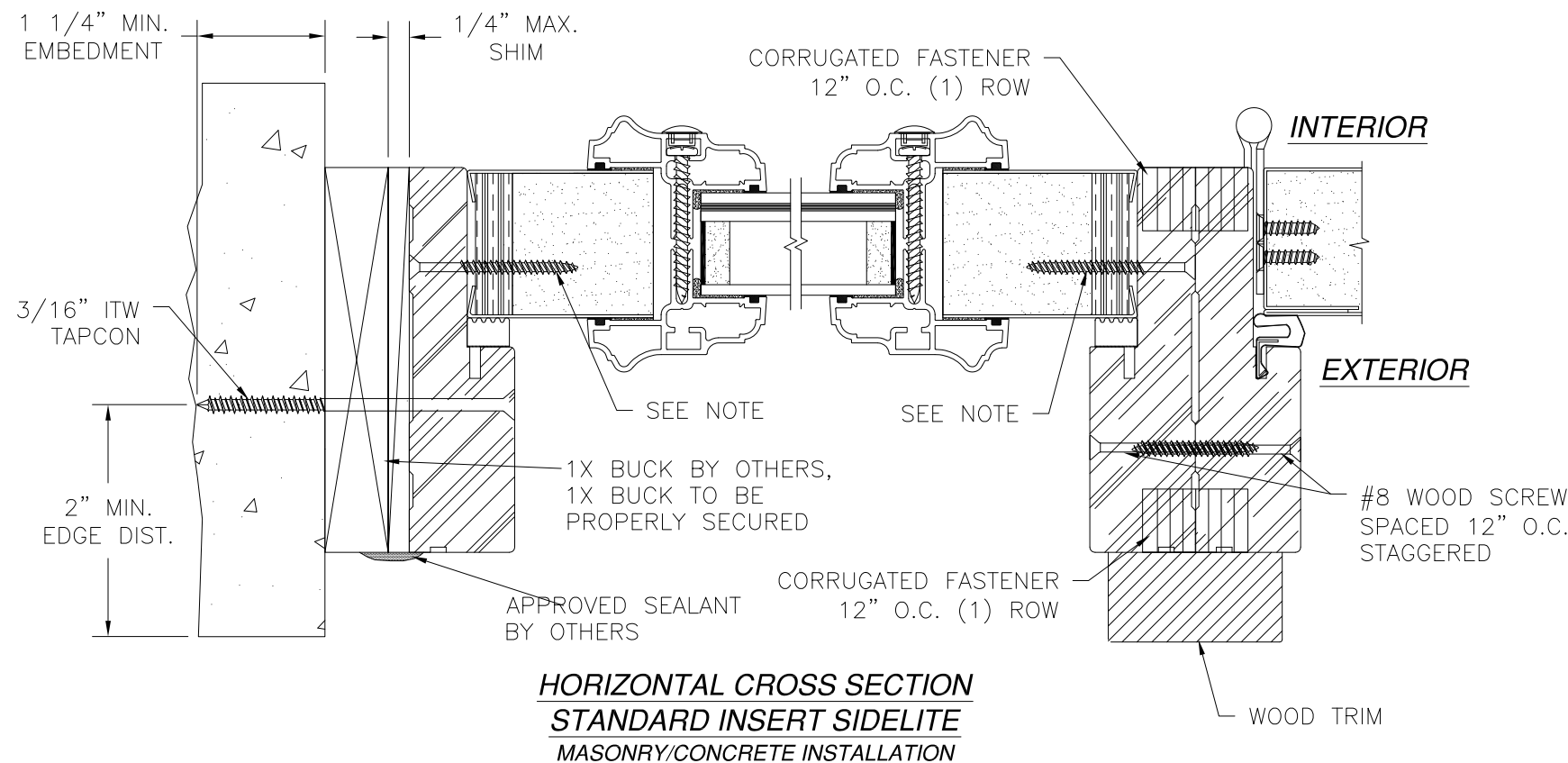
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**HORIZONTAL CROSS SECTION
INSWING DIRECTSET SIDELITE
MASONRY/CONCRETE INSTALLATION**

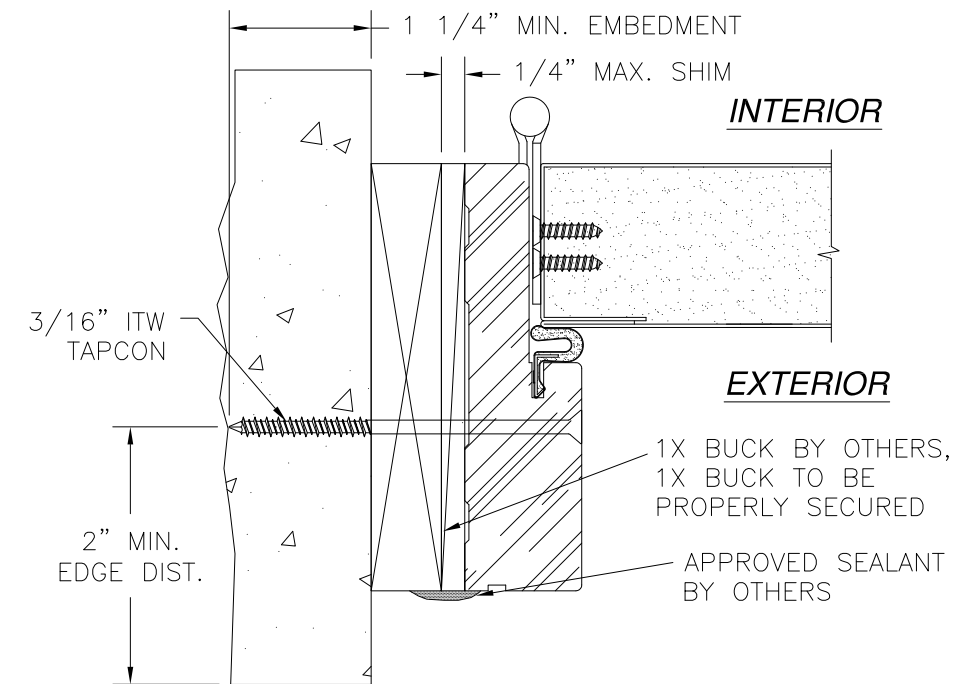


**HORIZONTAL CROSS SECTION
STANDARD INSERT SIDELITE
MASONRY/CONCRETE INSTALLATION**

STANDARD SIDELITE PANEL ATTACHMENT:
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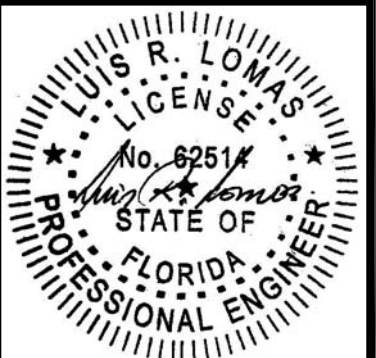
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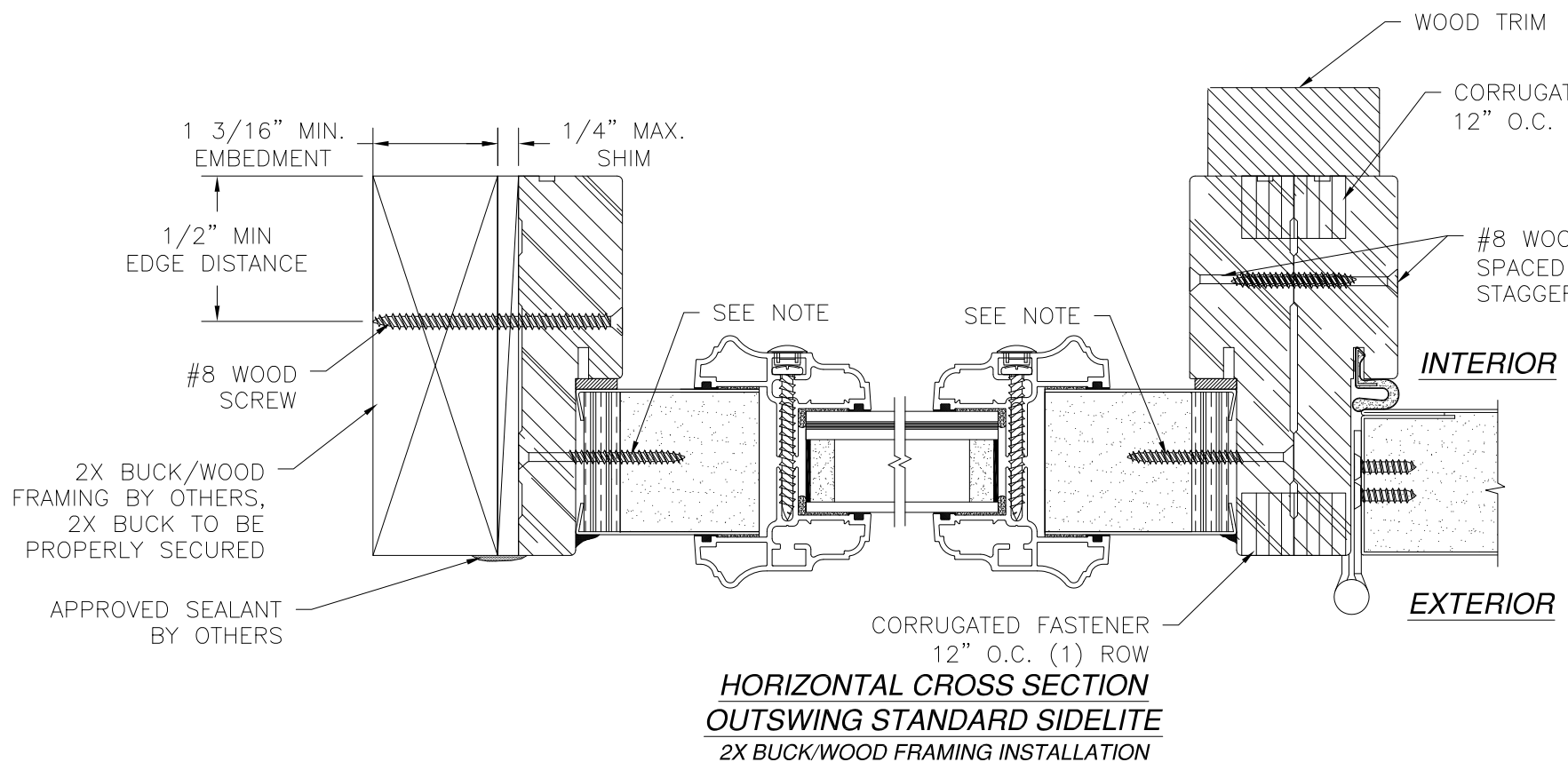
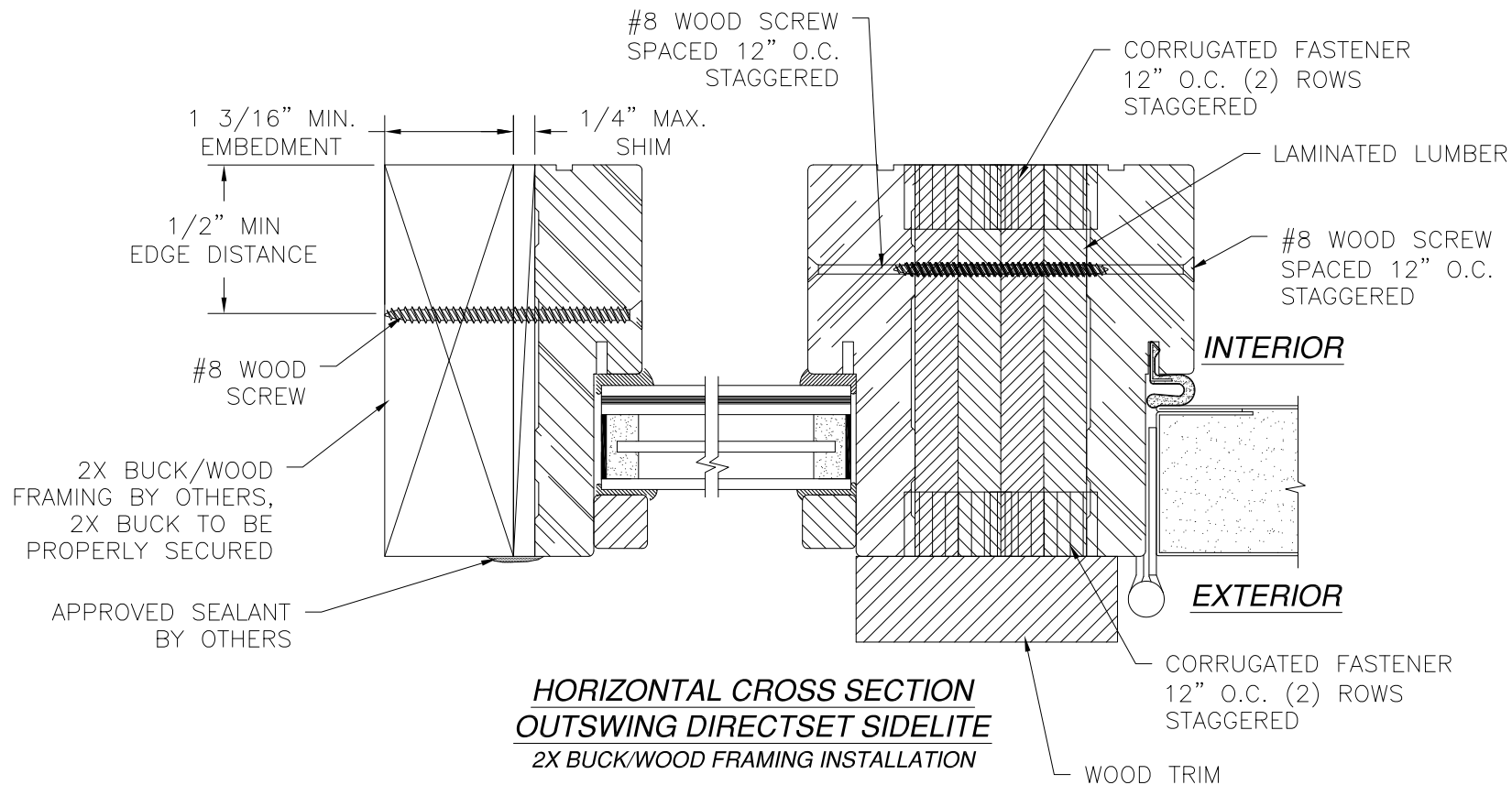
**HORIZONTAL CROSS SECTION INSWING DOOR
MASONRY/CONCRETE INSTALLATION**

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

SIGNED: 01/08/2020



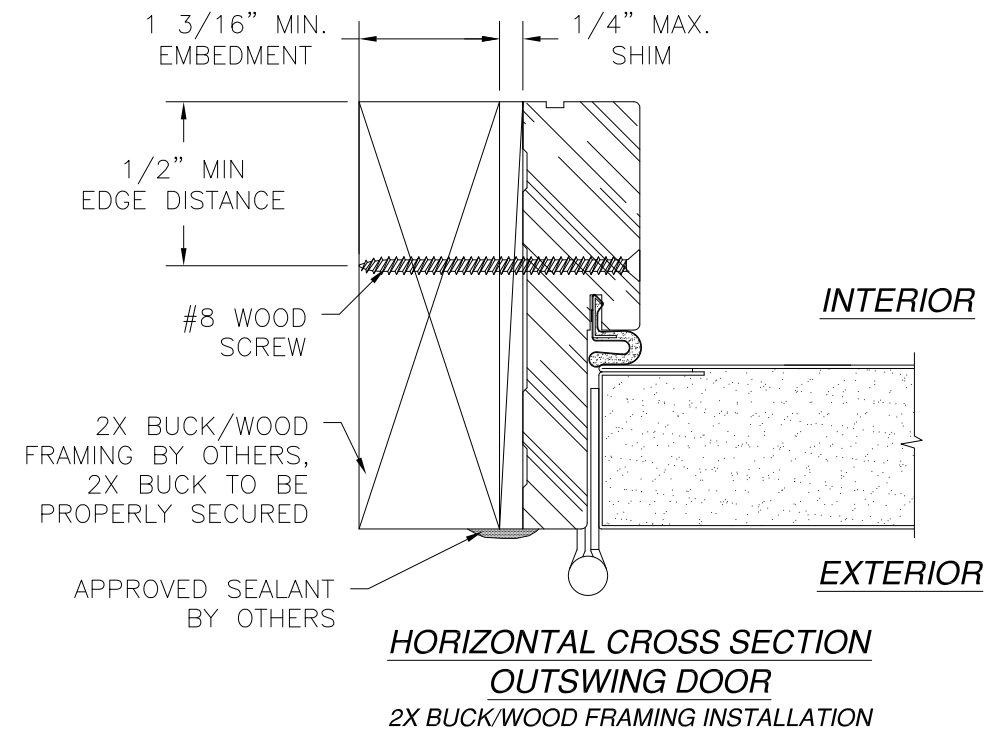
Luis R. Lomas P.E.
FL No.: 62514



STANDARD SIDELITE PANEL ATTACHMENT:
SIDELITE PANEL IS SECURED INTO THE FRAME AT JAMBS ONLY
WITH (9) #8 x 1 5/8\"/>

- 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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



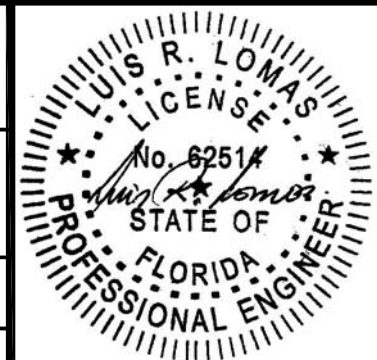
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES – IMPACT
OUTSWING INSTALLATION DETAILS

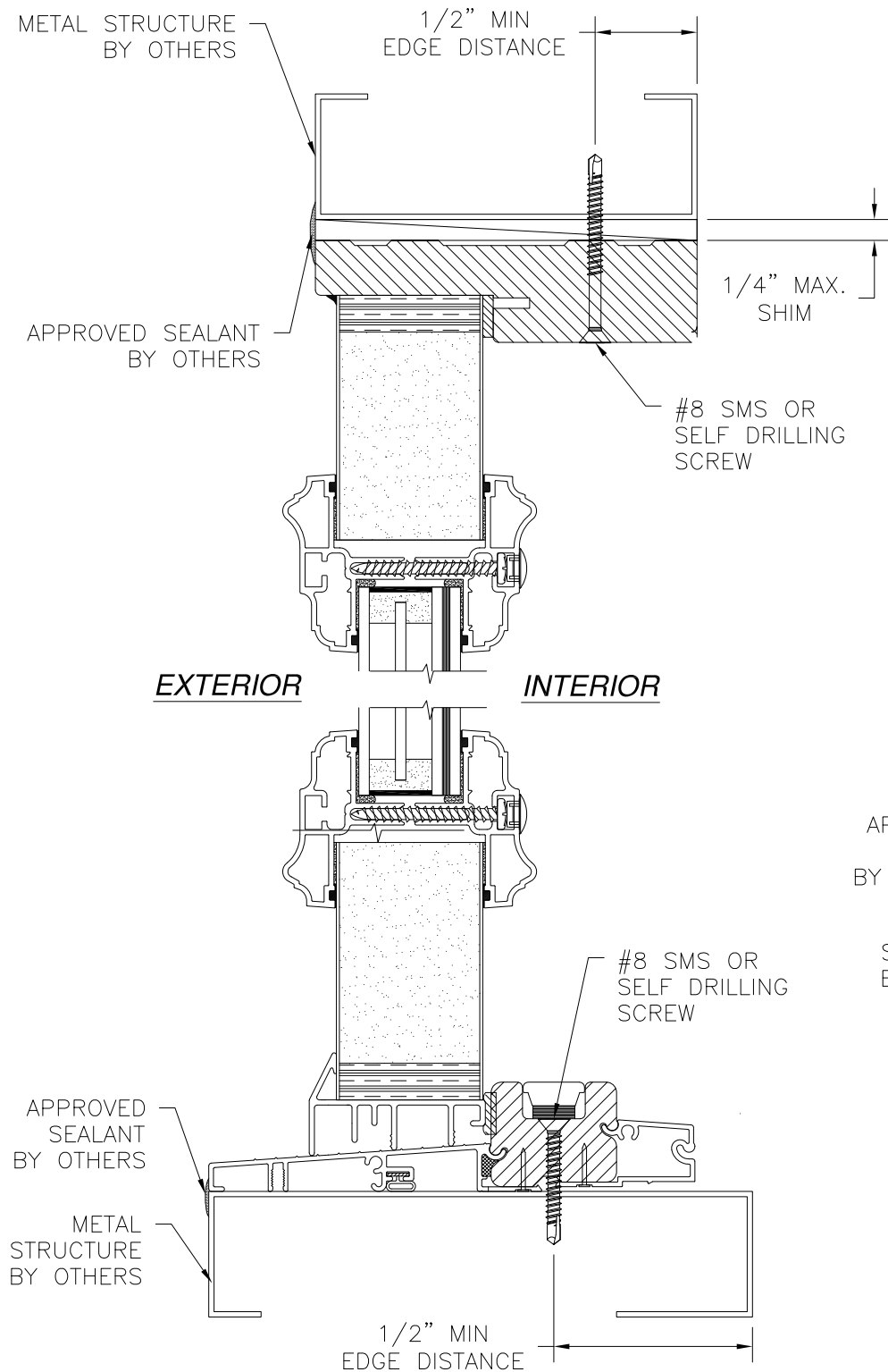
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 12 OF 32

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

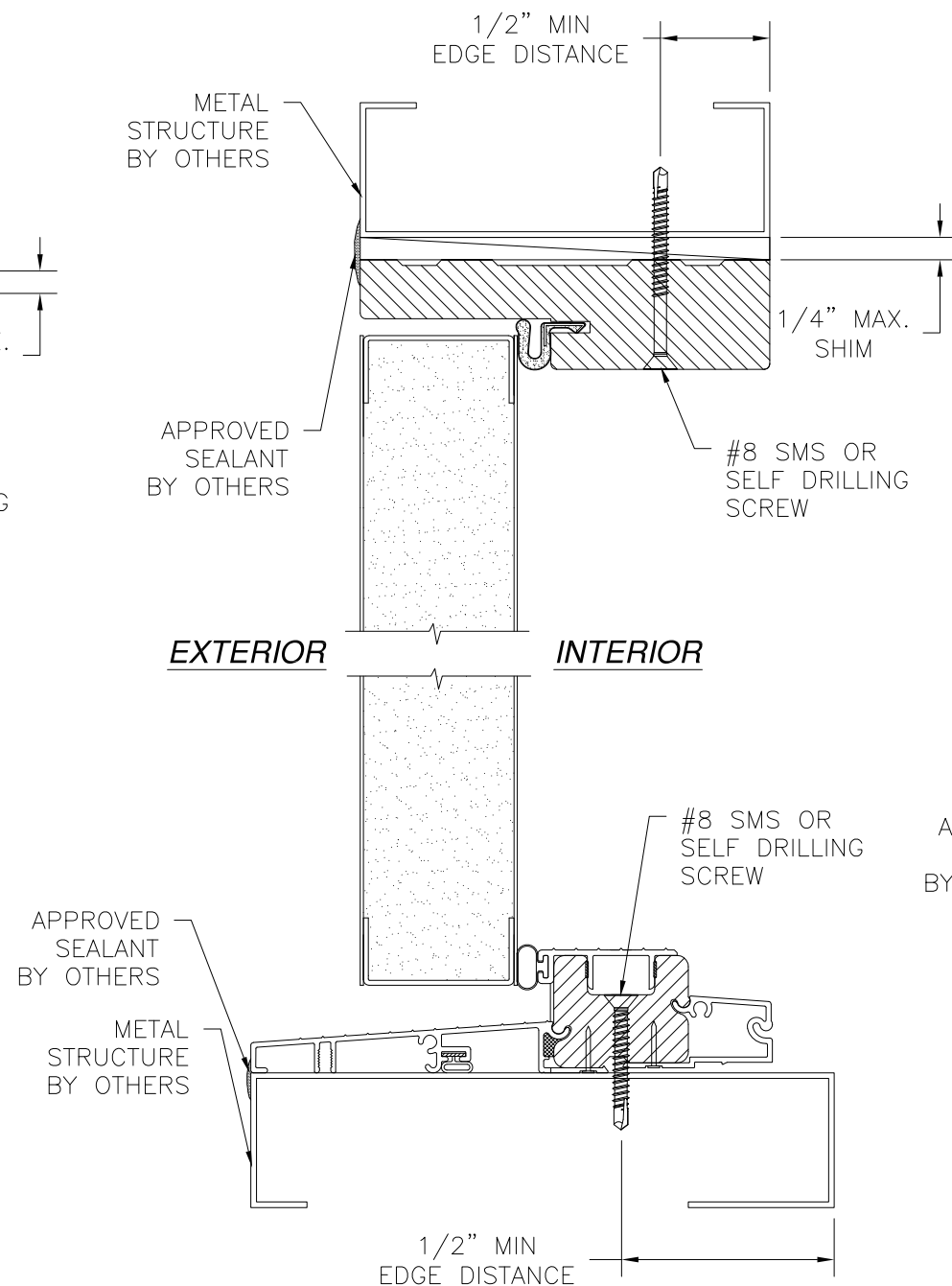
SIGNED: 01/08/2020



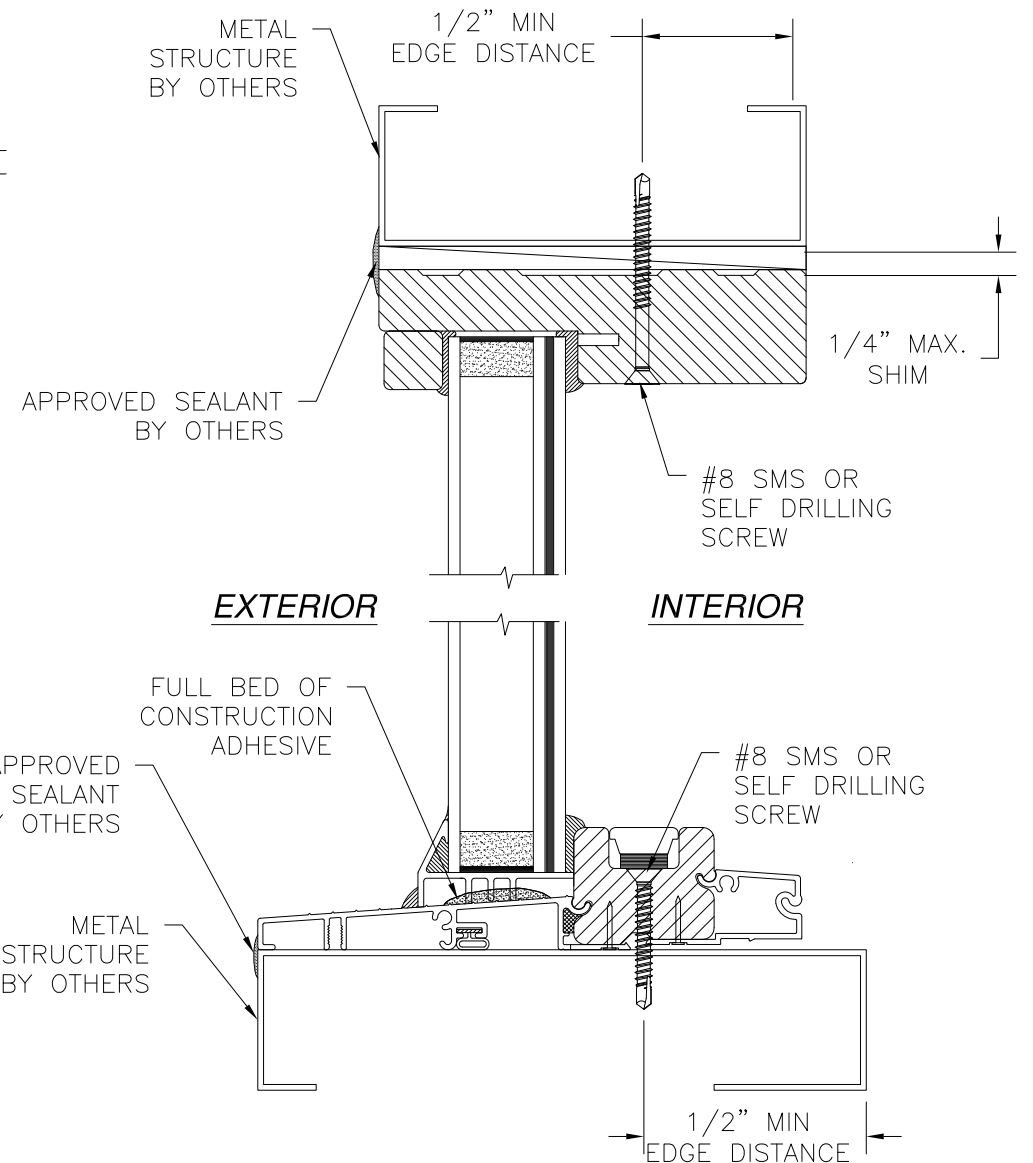
Luis R. Lomas P.E.
FL No.: 62514



**VERTICAL CROSS SECTION
OUTSWING STANDARD SIDELITE
METAL STRUCTURE INSTALLATION**



**VERTICAL CROSS SECTION
OUTSWING DOOR
METAL STRUCTURE INSTALLATION**



**VERTICAL CROSS SECTION
OUTSWING DIRECTSET SIDELITE
METAL STRUCTURE INSTALLATION**

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.

PROVIA, LLC.

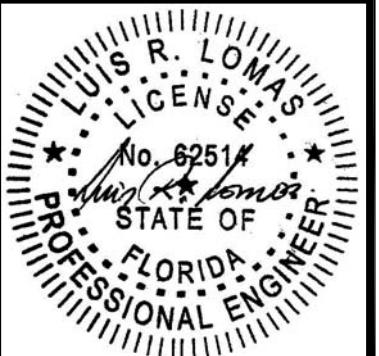
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES - IMPACT
OUTSWING INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 13 OF 32

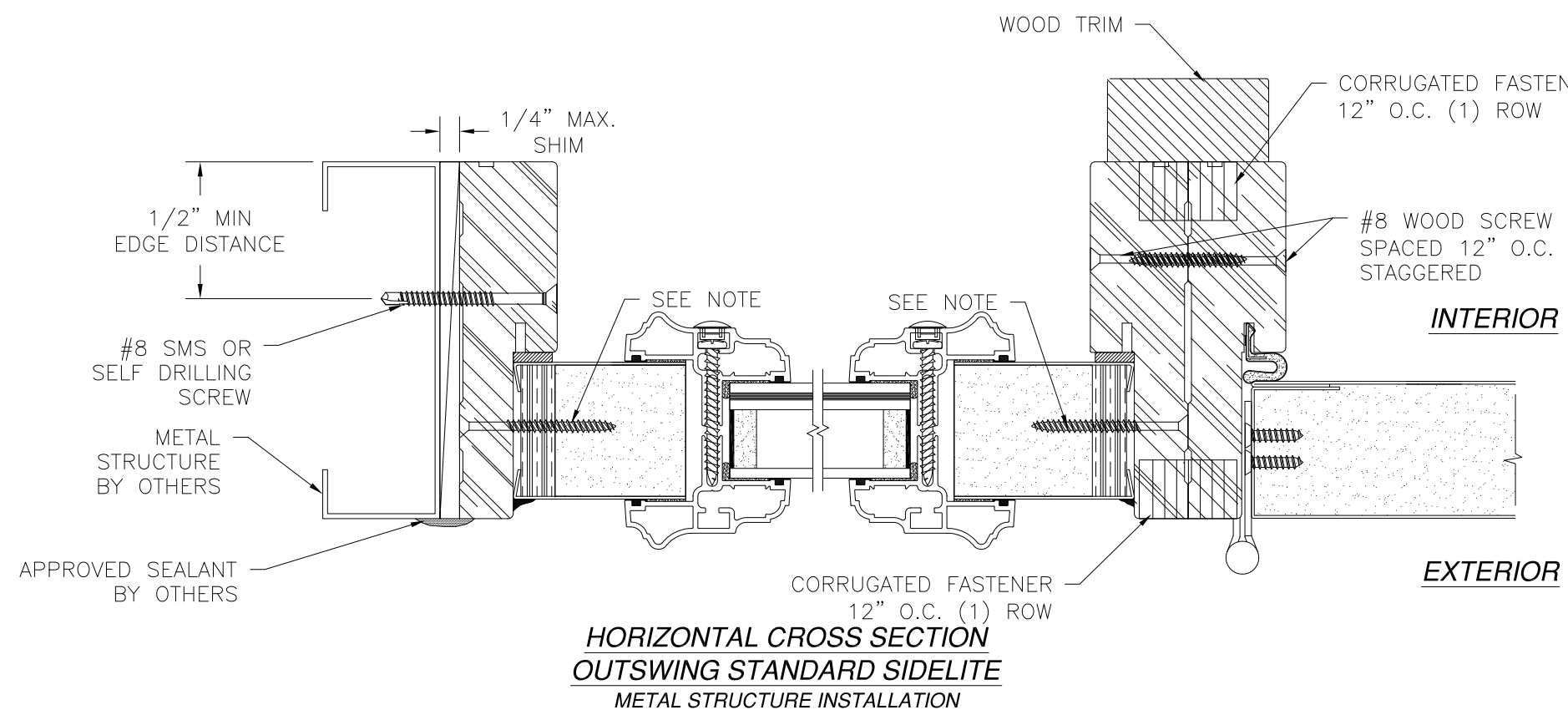
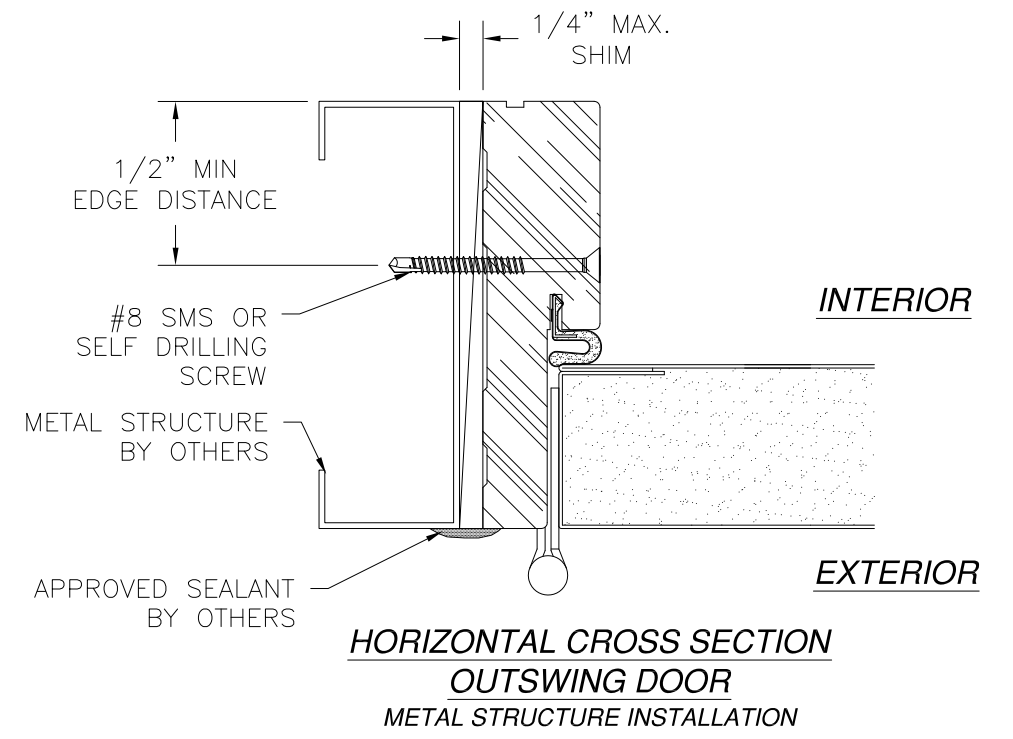
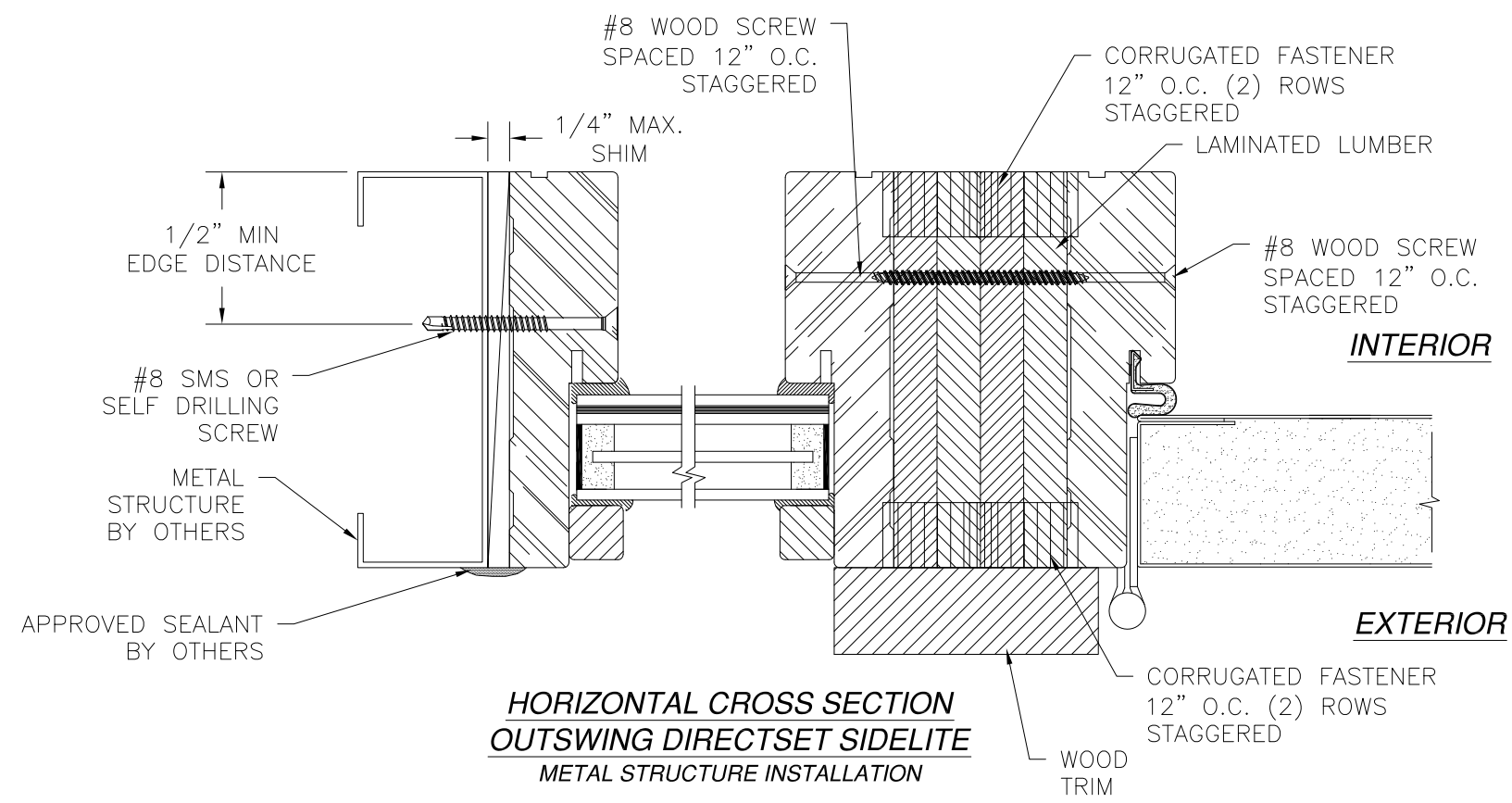
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

SIGNED: 01/08/2020



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



STANDARD SIDELITE PANEL ATTACHMENT:
SIDELITE PANEL IS SECURED INTO THE FRAME AT JAMBS ONLY
WITH (9) #8 x 1 5/8" WOOD SCREWS SPACED AT 3" FROM
EACH CORNER AND 17" MAX. O.C. THEREAFTER.

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

SIGNED: 01/08/2020

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

22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES - IMPACT
OUTSWING INSTALLATION DETAILS

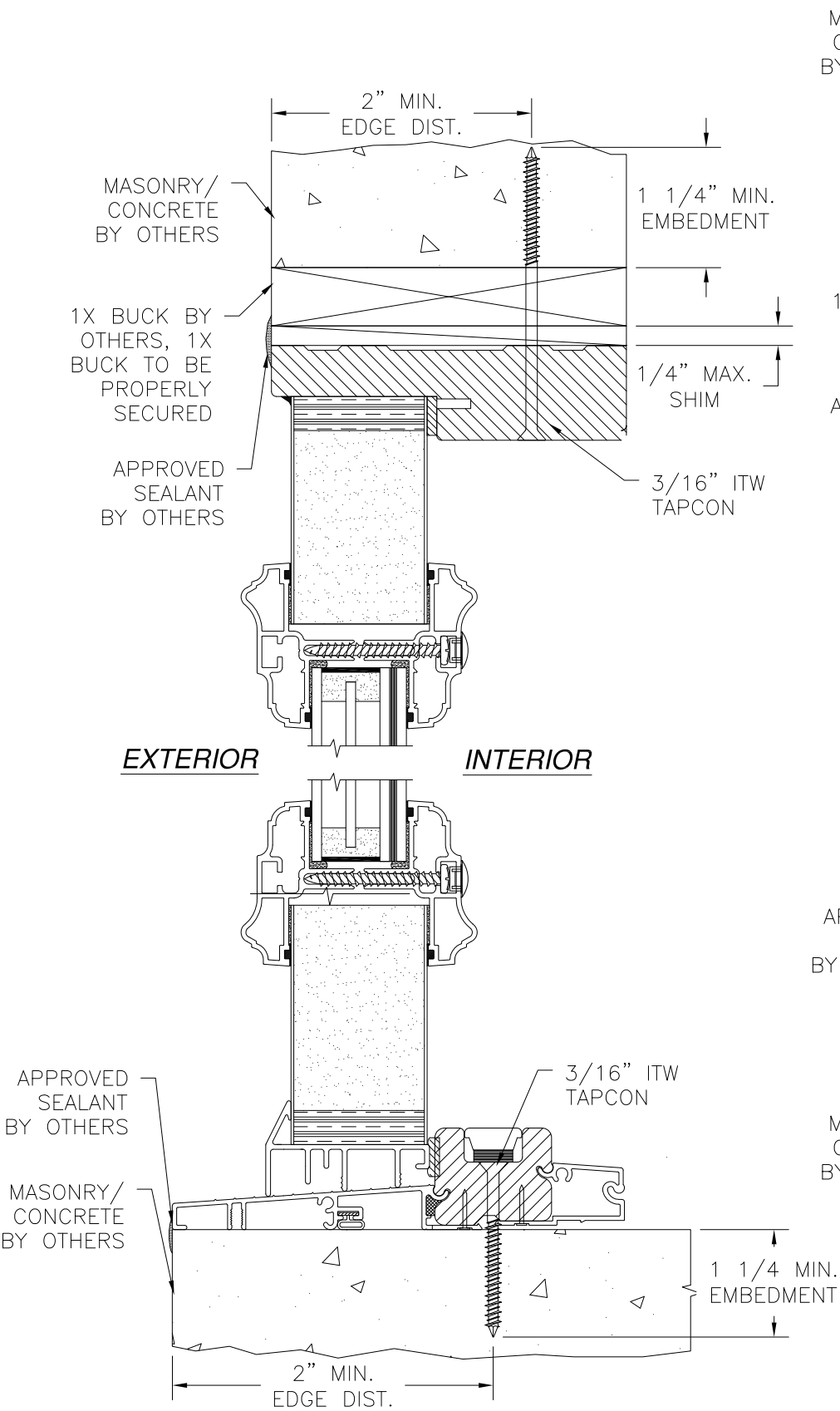
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 14 OF 32

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

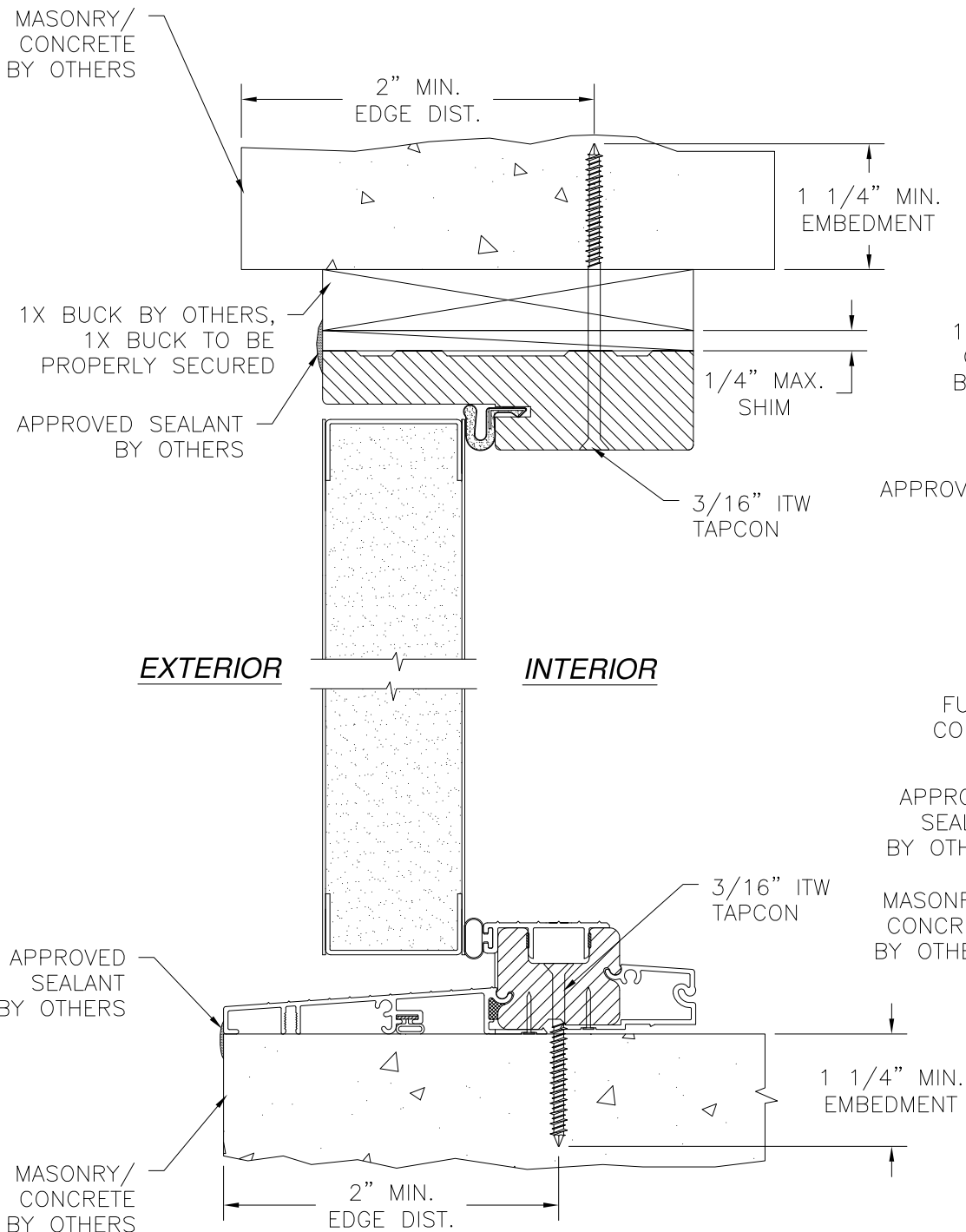
LUIS R. LOMAS
LICENSED PROFESSIONAL ENGINEER
No. 62514
STATE OF FLORIDA

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.

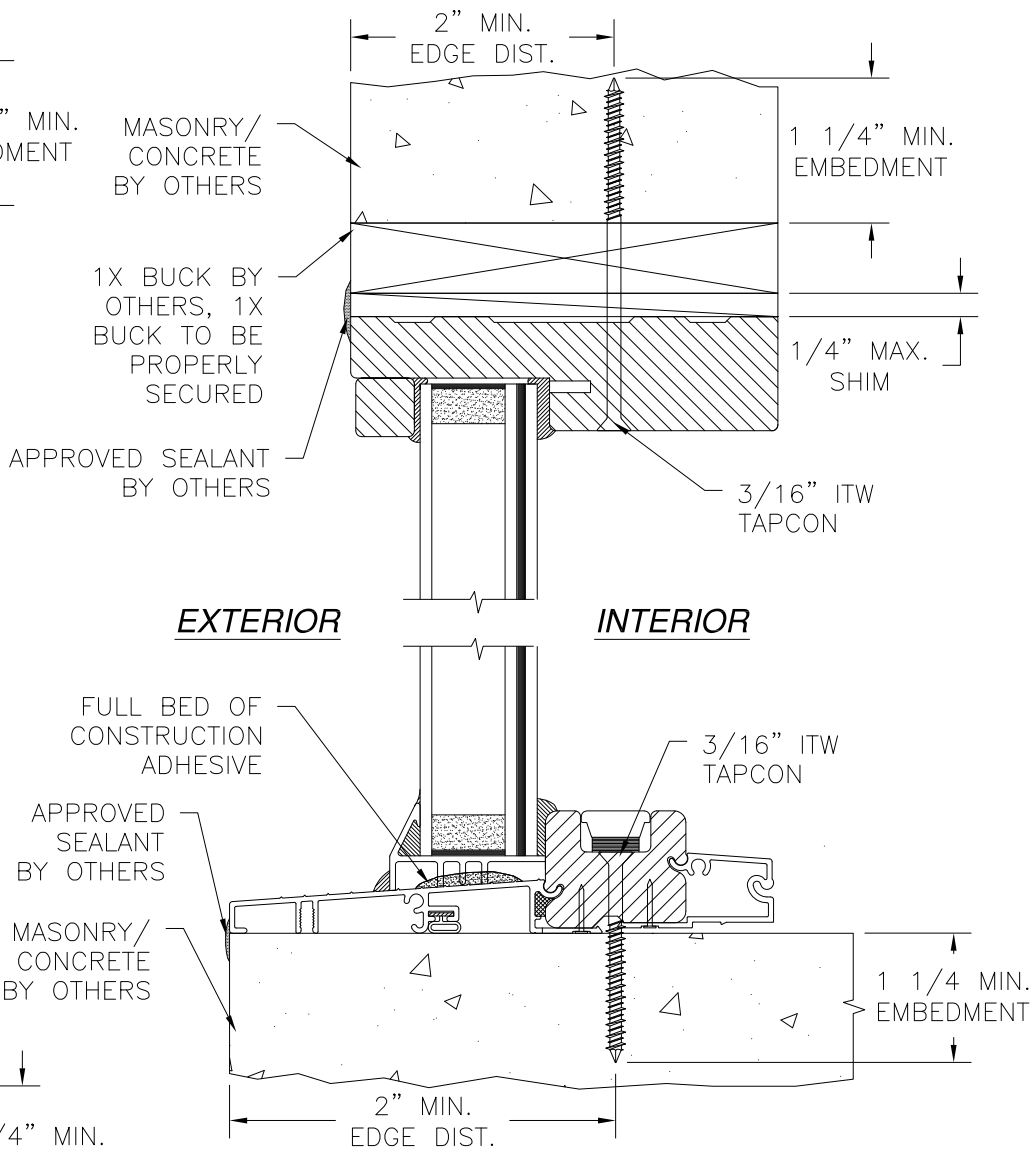


**VERTICAL CROSS SECTION
OUTSWING STANDARD SIDELITE
MASONRY/CONCRETE INSTALLATION**



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

- 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
OUTSWING DIRECTSET SIDELITE
MASONRY/CONCRETE INSTALLATION**

SIGNED: 01/08/2020

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES – IMPACT
OUTSWING INSTALLATION DETAILS

DRAWN: TJH

DWG NO. 08-00979

REV E

SCALE NTS

DATE 04/16/10

SHEET 15 OF 32

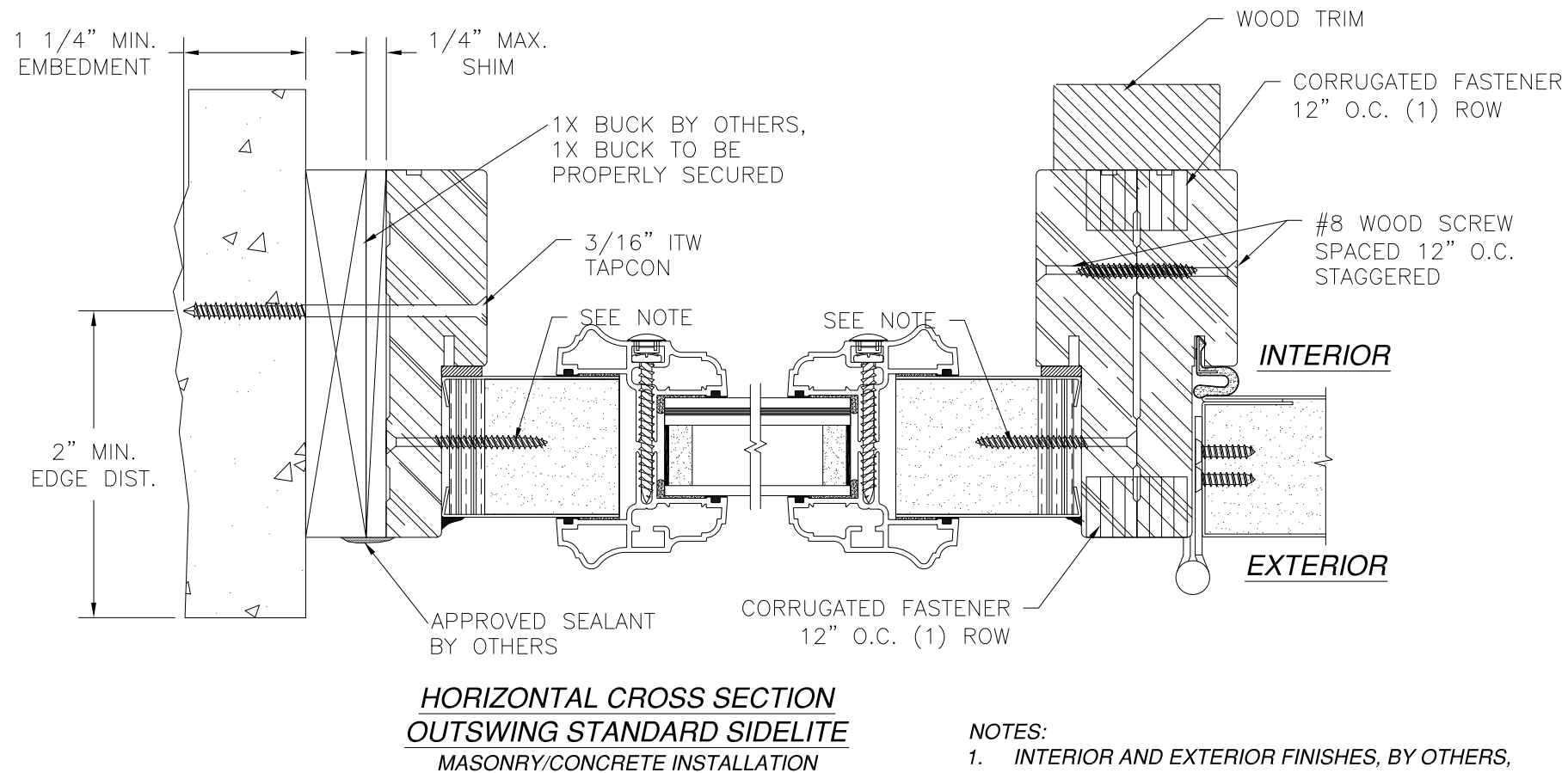
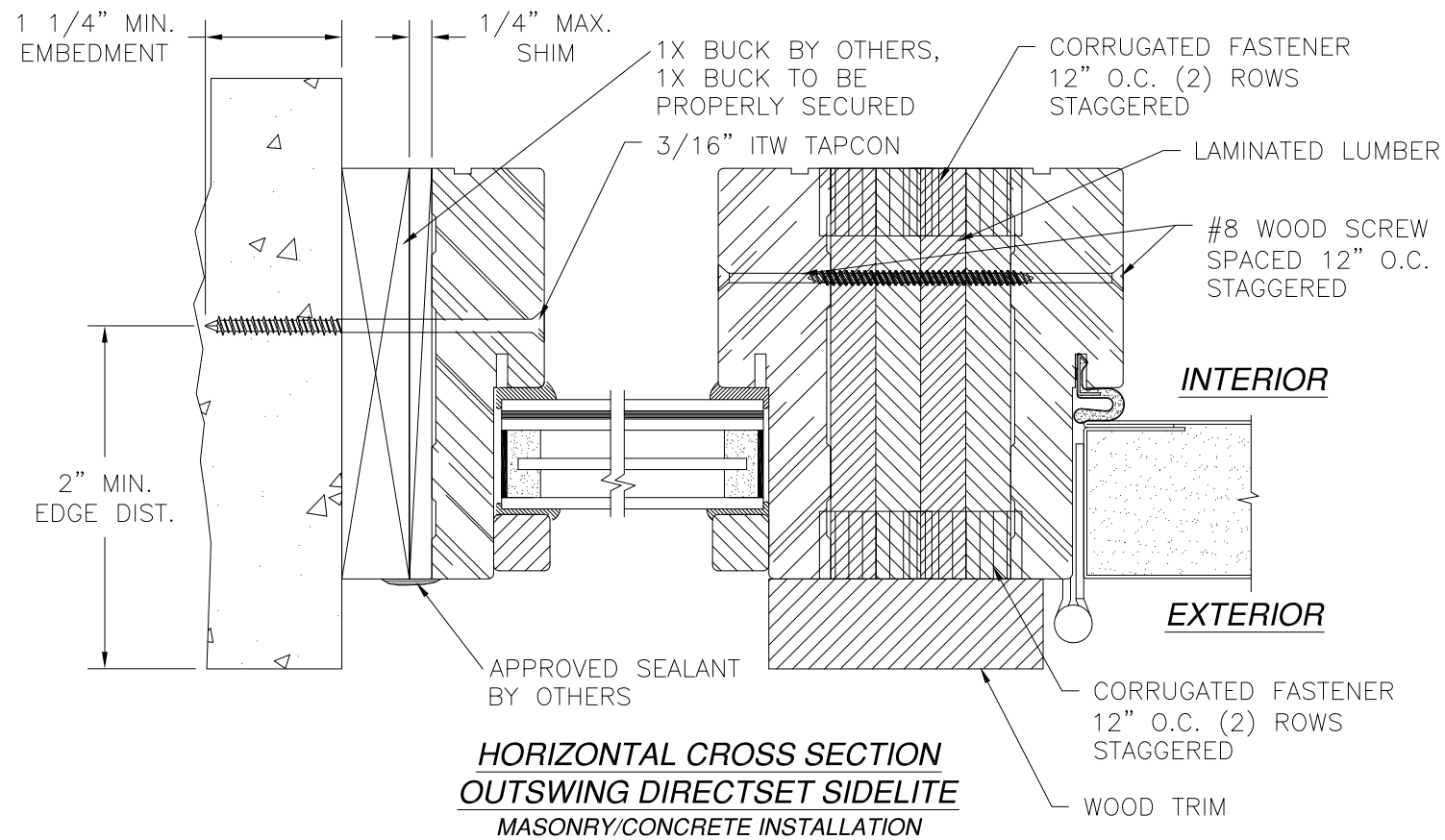
L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@rlomaspe.com



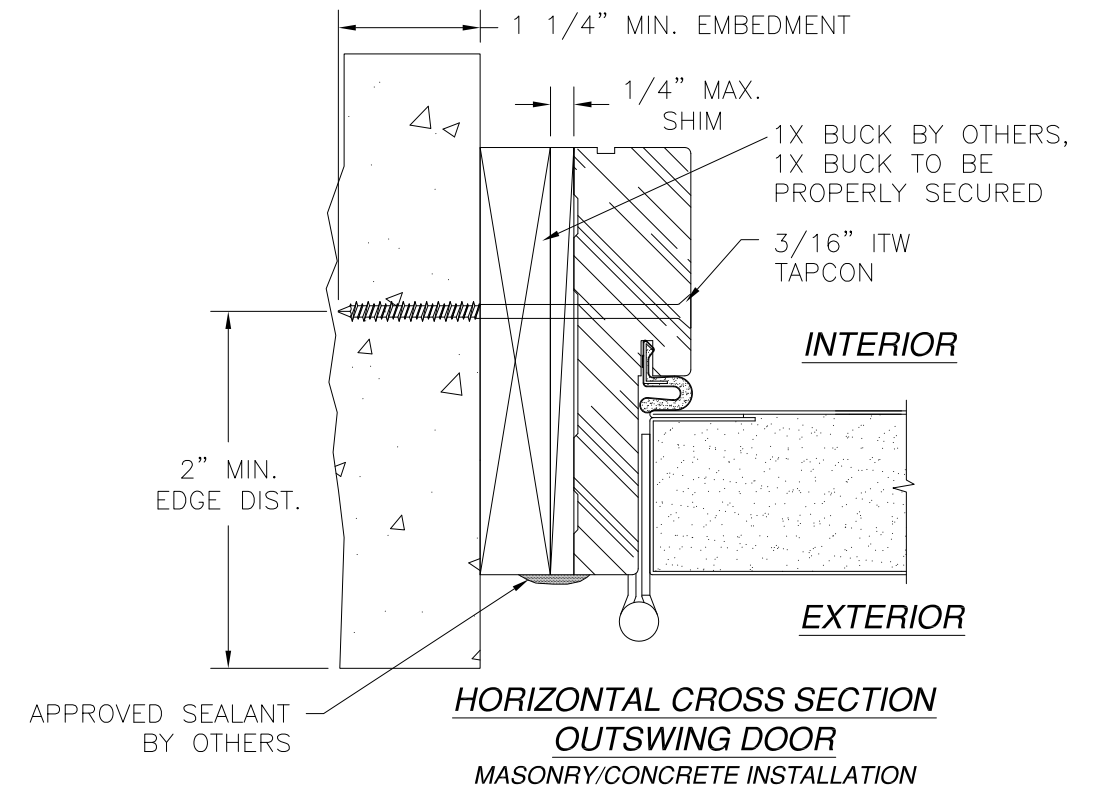
Luis R. Lomas P.E.
FL No.: 62514



- 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

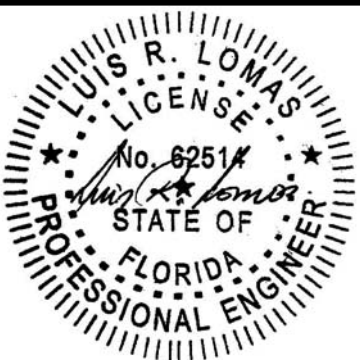
STANDARD SIDELITE PANEL ATTACHMENT:
SIDELITE PANEL IS SECURED INTO THE FRAME AT JAMBS ONLY
WITH (9) #8 x 1 5/8" WOOD SCREWS SPACED AT 3" FROM
EACH CORNER AND 17" MAX. O.C. THEREAFTER.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



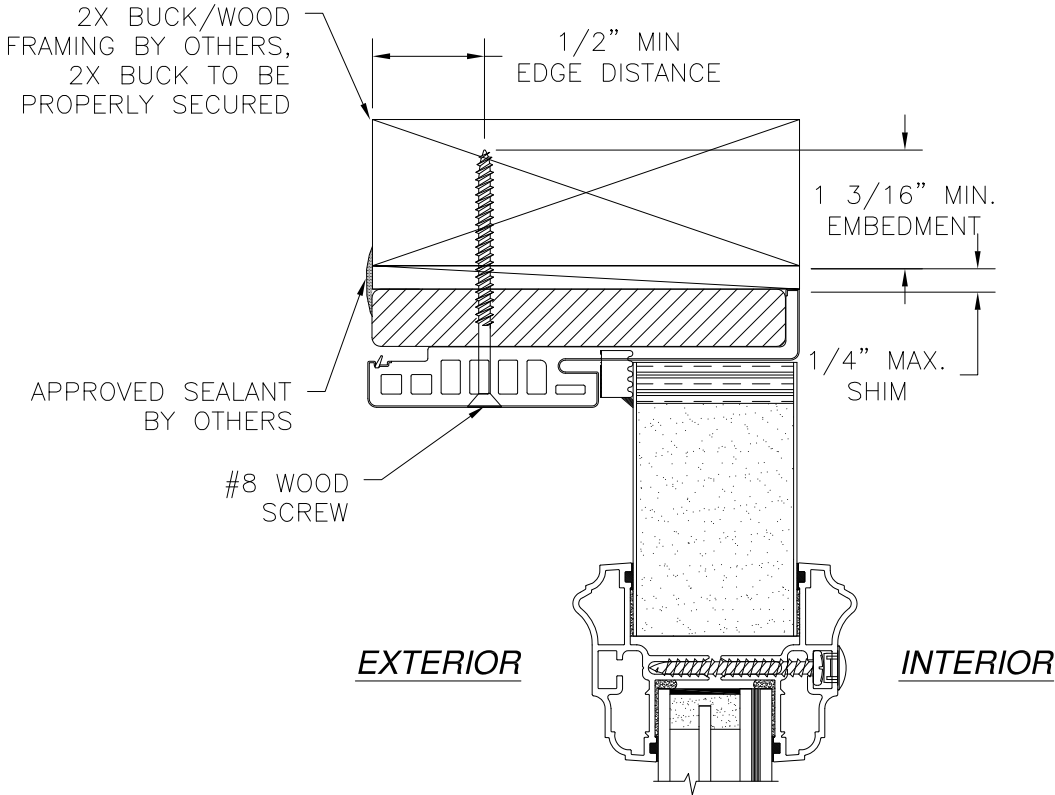
SIGNED: 01/08/2020

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES - IMPACT OUTSWING INSTALLATION DETAILS		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 16 OF 32
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

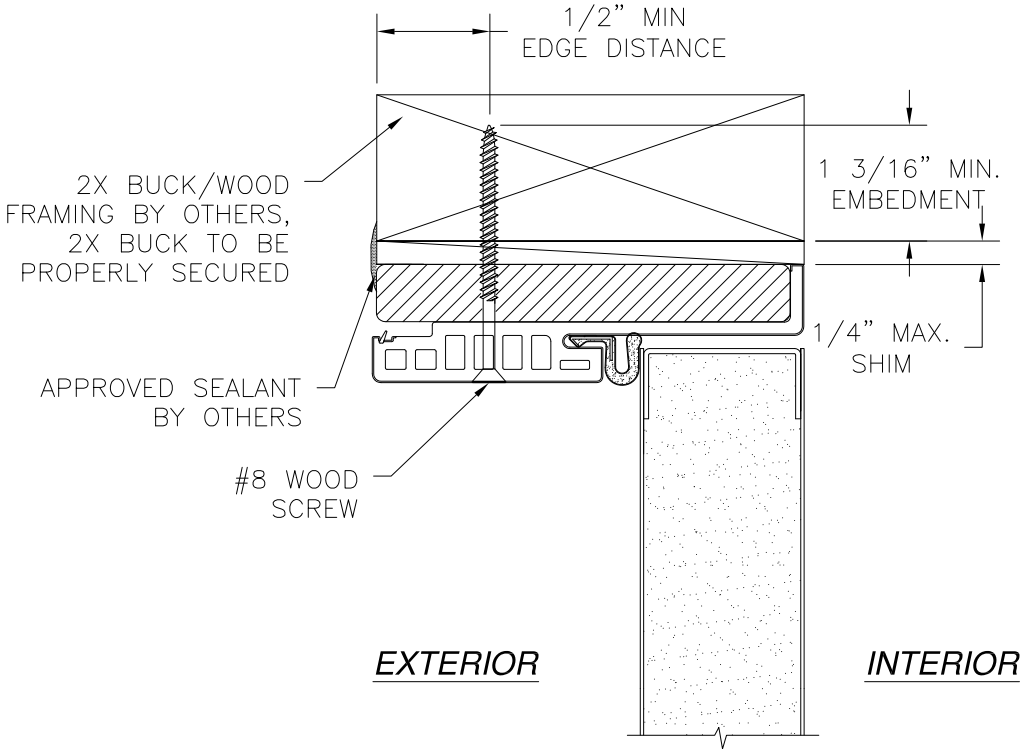


Luis R. Lomas P.E.
FL No.: 62514

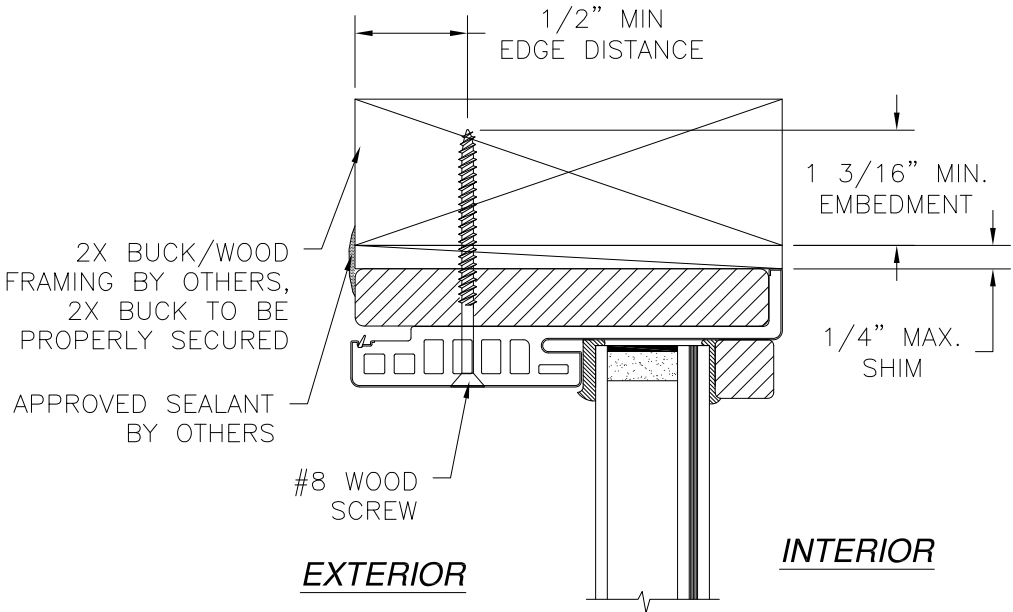
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



VERTICAL CROSS SECTION
STANDARD INSWING SIDELITE
 2X BUCK/WOOD FRAMING INSTALLATION



VERTICAL CROSS SECTION
INSWING DOOR
 2X BUCK/WOOD FRAMING INSTALLATION



VERTICAL CROSS SECTION
DIRECTSET INSWING SIDELITE
 2X BUCK/WOOD FRAMING INSTALLATION

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

SIGNED: 01/08/2020

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES – IMPACT

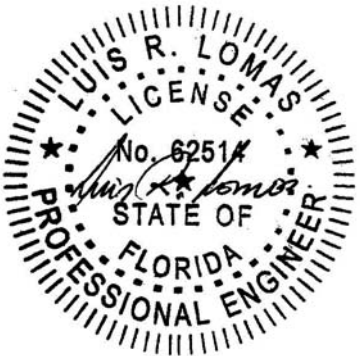
INSWING INSTALLATION DETAILS W/FUSION FRAME

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SCALE NTS	DATE 04/16/10	SHEET 17 OF 32

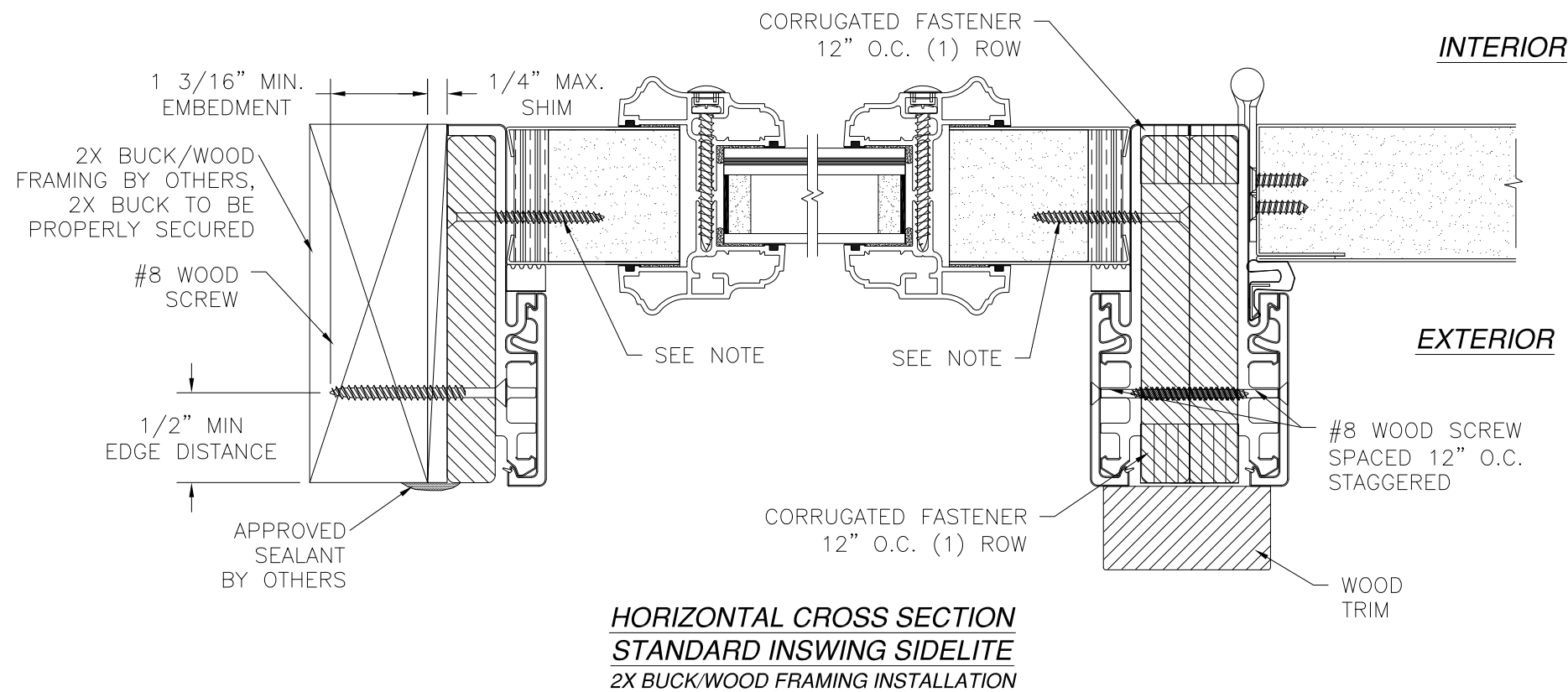
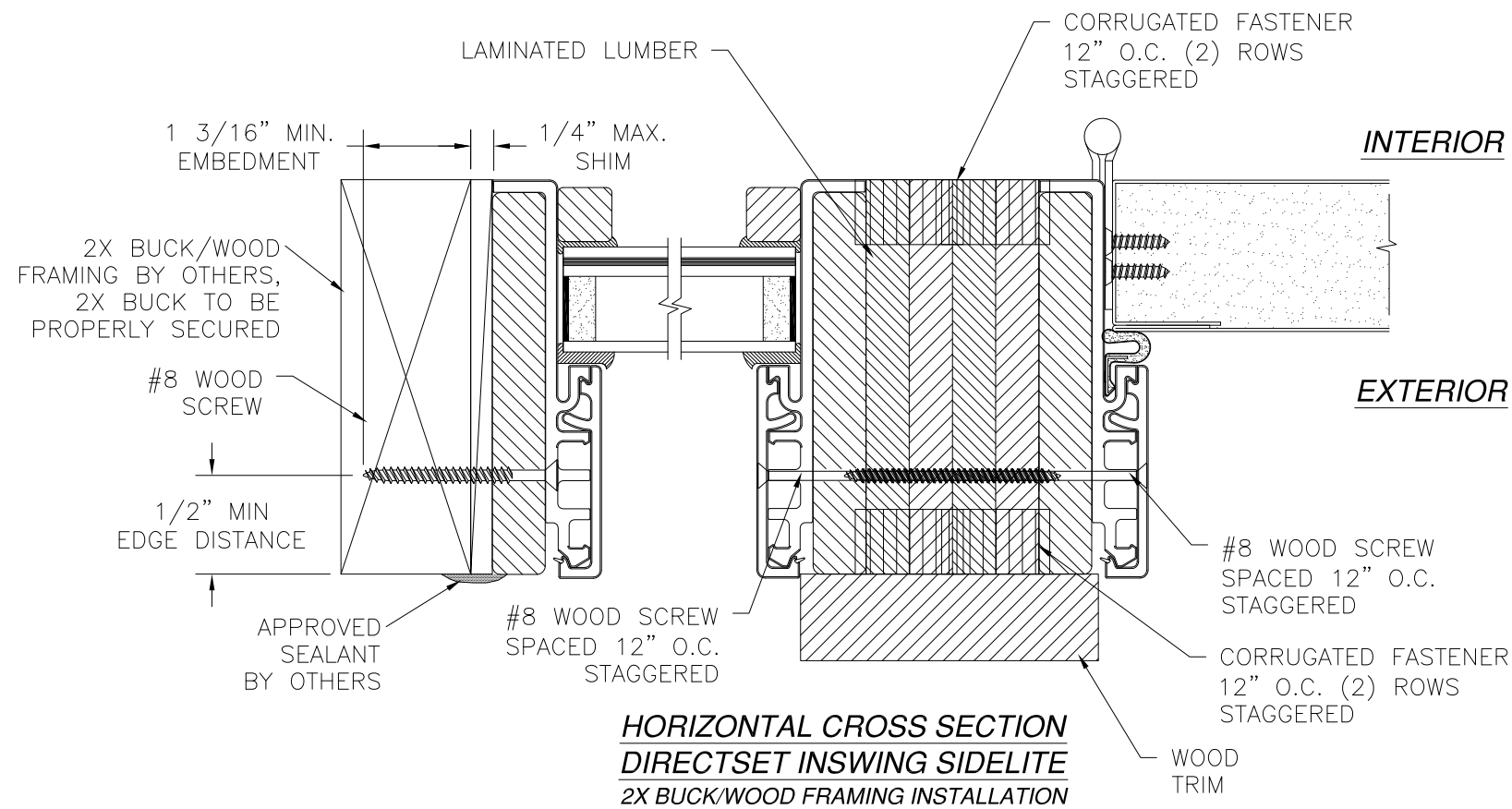
L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com



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

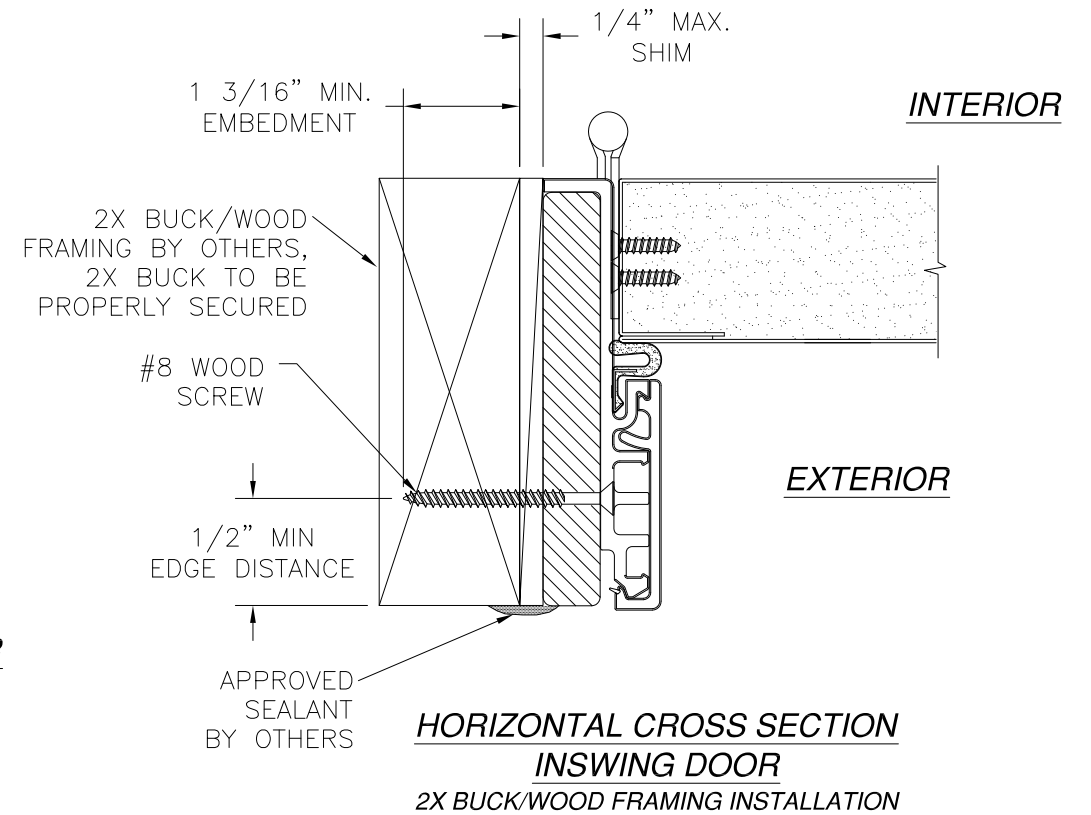


STANDARD SIDELITE PANEL ATTACHMENT:
SIDELITE PANEL IS SECURED INTO THE FRAME AT JAMBS ONLY
WITH (9) #8 x 1 5/8\"/>

NOTES:

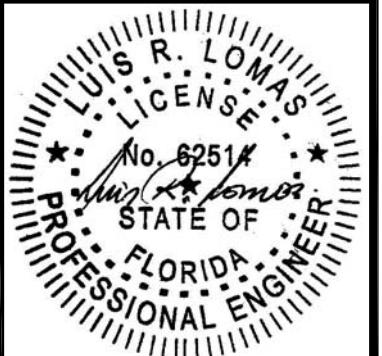
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.

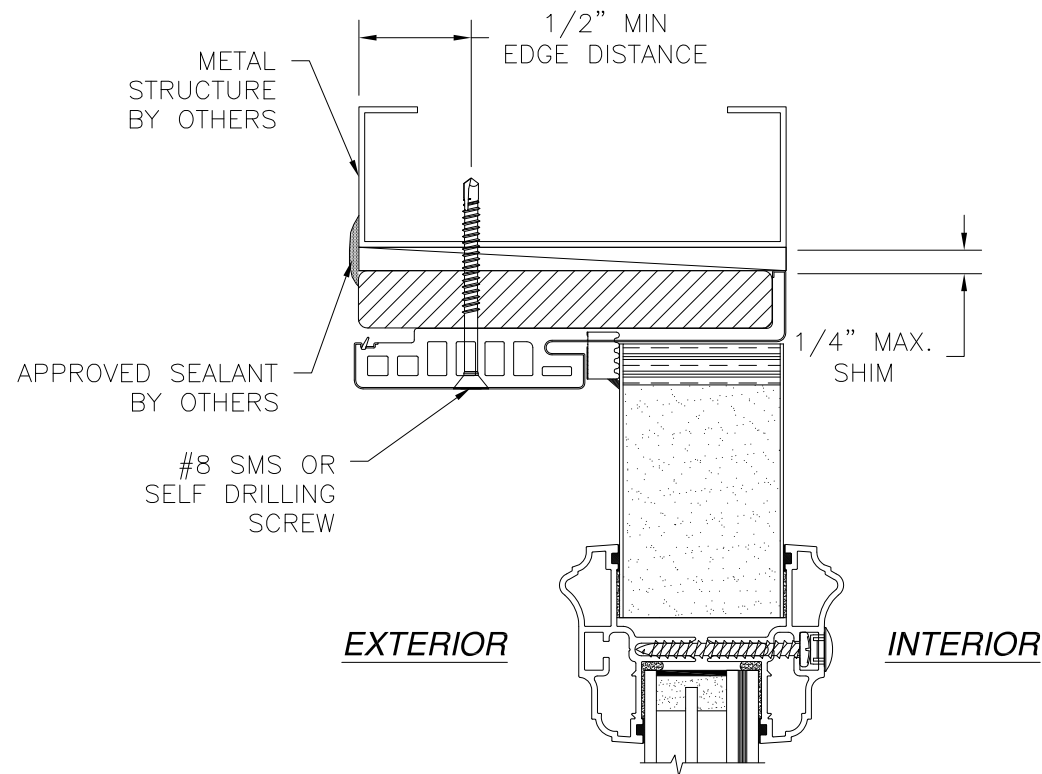


SIGNED: 01/08/2020

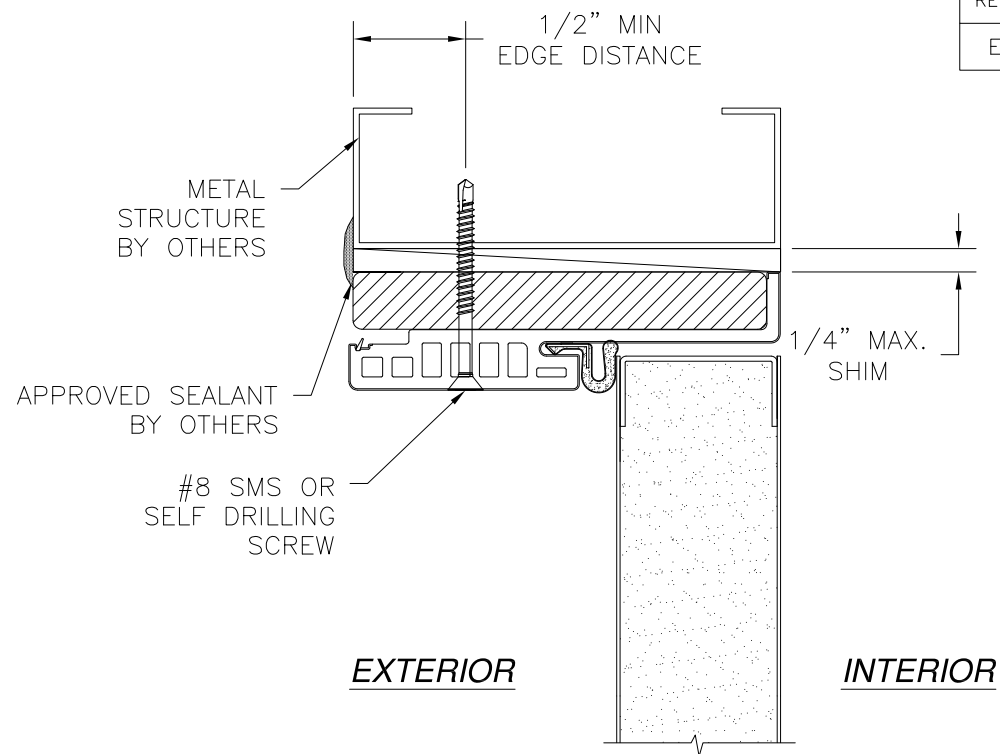
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES - IMPACT INSWING INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 18 OF 32
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



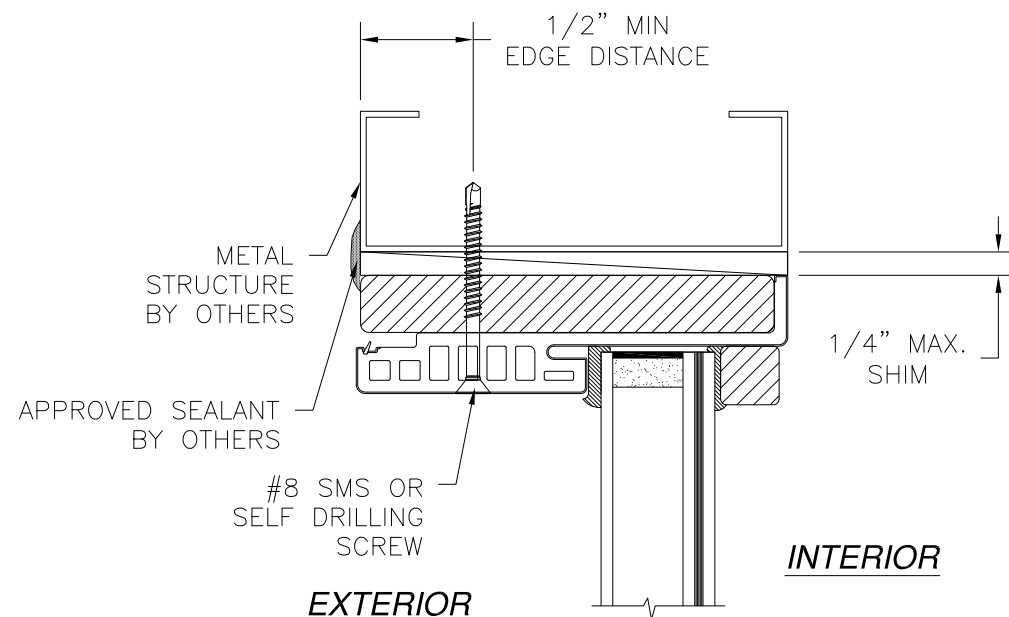
Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
STANDARD INSWING SIDELITE
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
INSWING DOOR
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
DIRECTSET INSWING SIDELITE
METAL STRUCTURE INSTALLATION

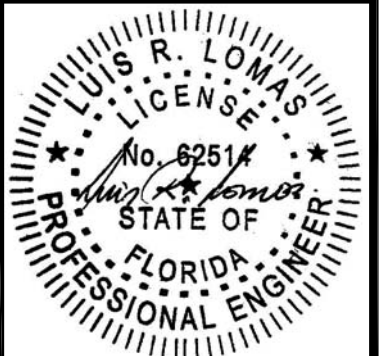
NOTES:

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*

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.

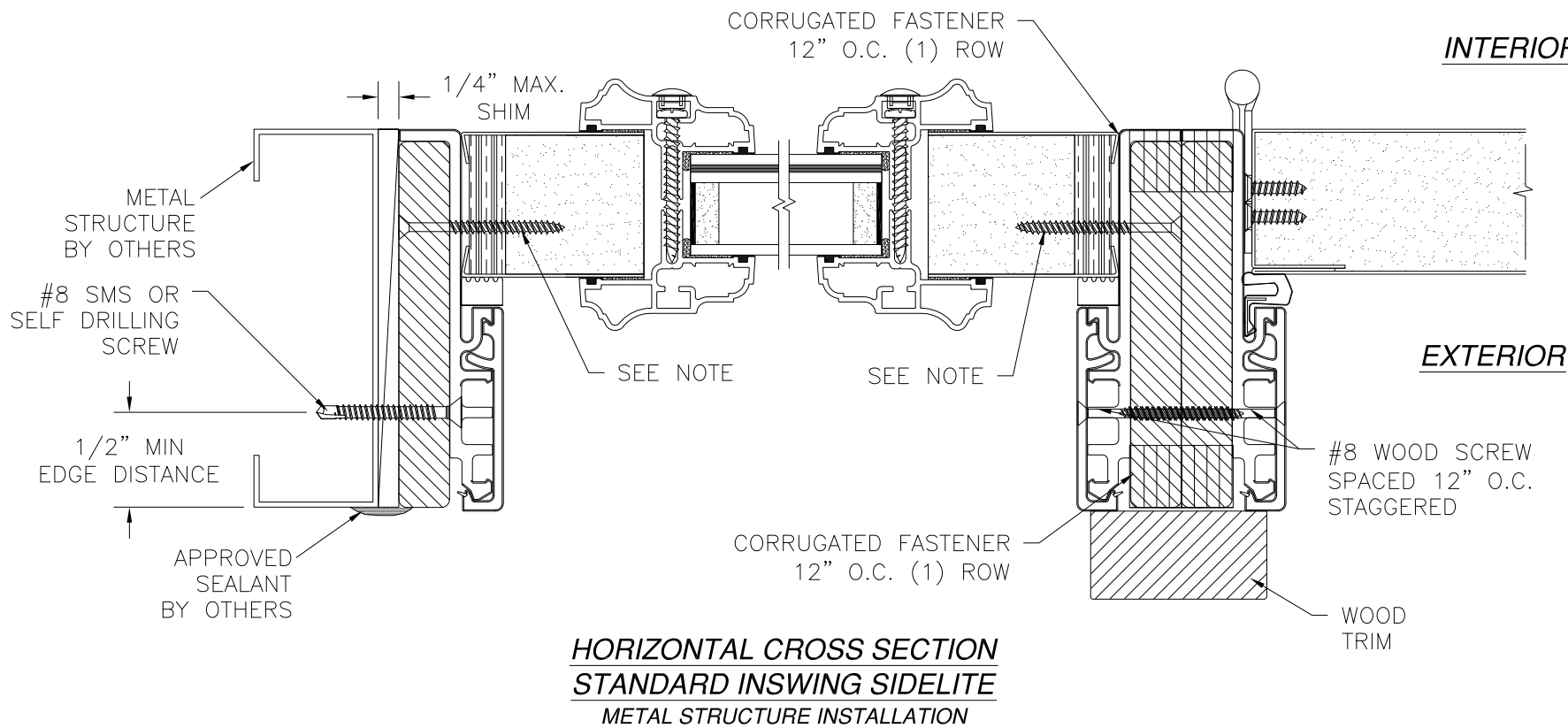
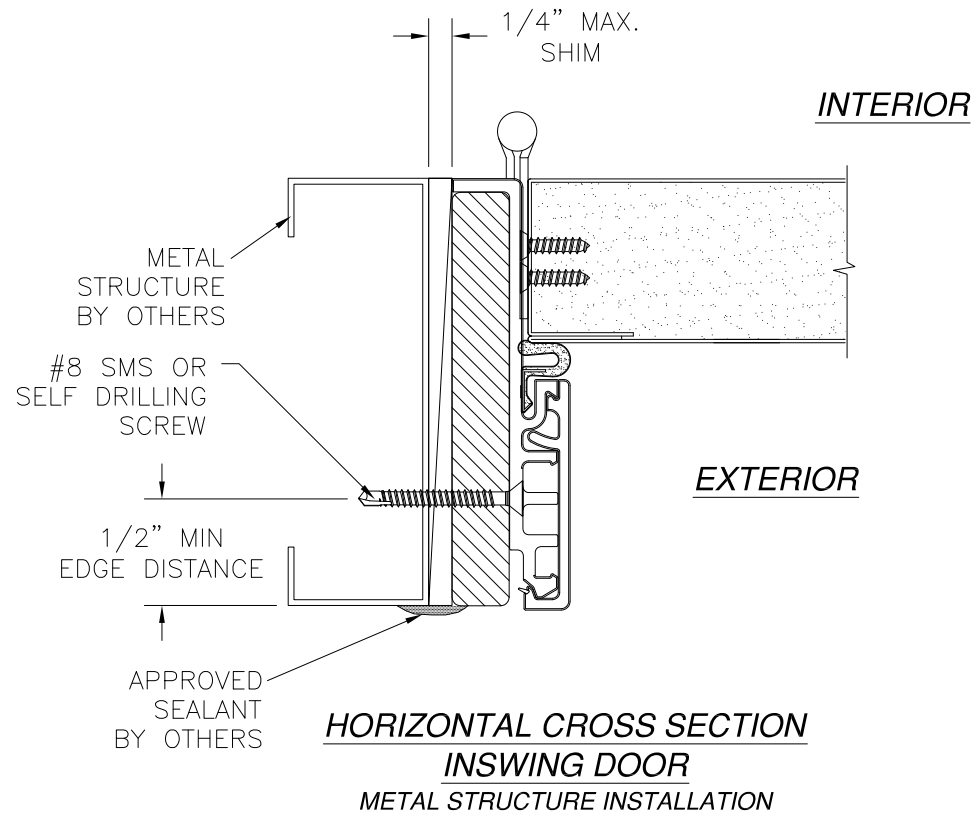
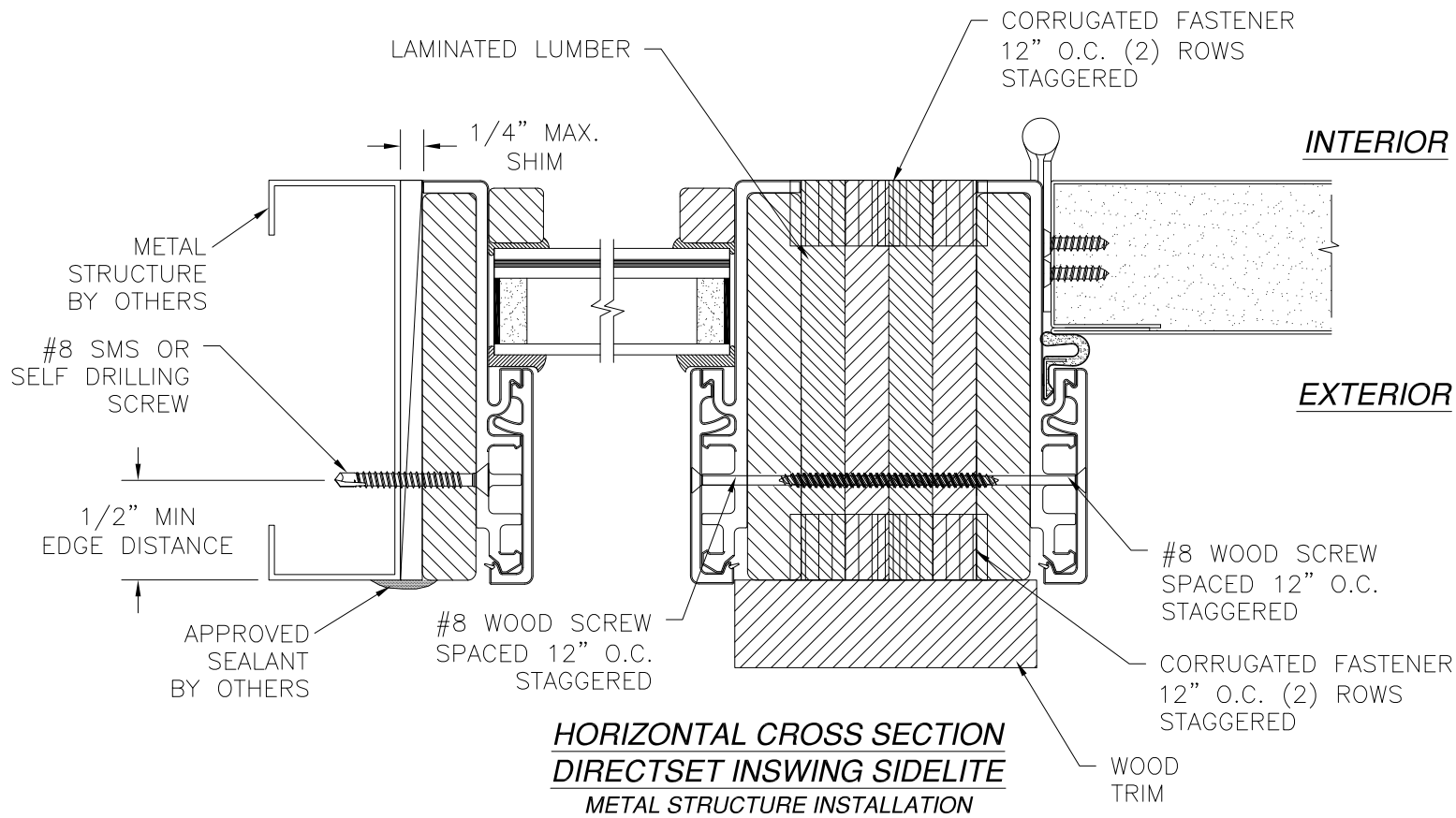
SIGNED: 01/08/2020

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES – IMPACT INSWING INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 19 OF 32
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



STANDARD SIDELITE PANEL ATTACHMENT:
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WITH (9) #8 x 1 5/8" WOOD SCREWS SPACED AT 3" FROM
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PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES – IMPACT

INSWING INSTALLATION DETAILS W/FUSION FRAME

DRAWN: TJH

DWG NO. 08-00979

REV E

SCALE NTS

DATE 04/16/10

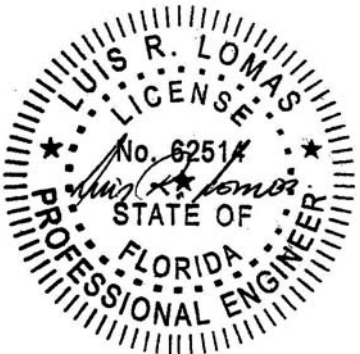
SHEET 20 OF 32

L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

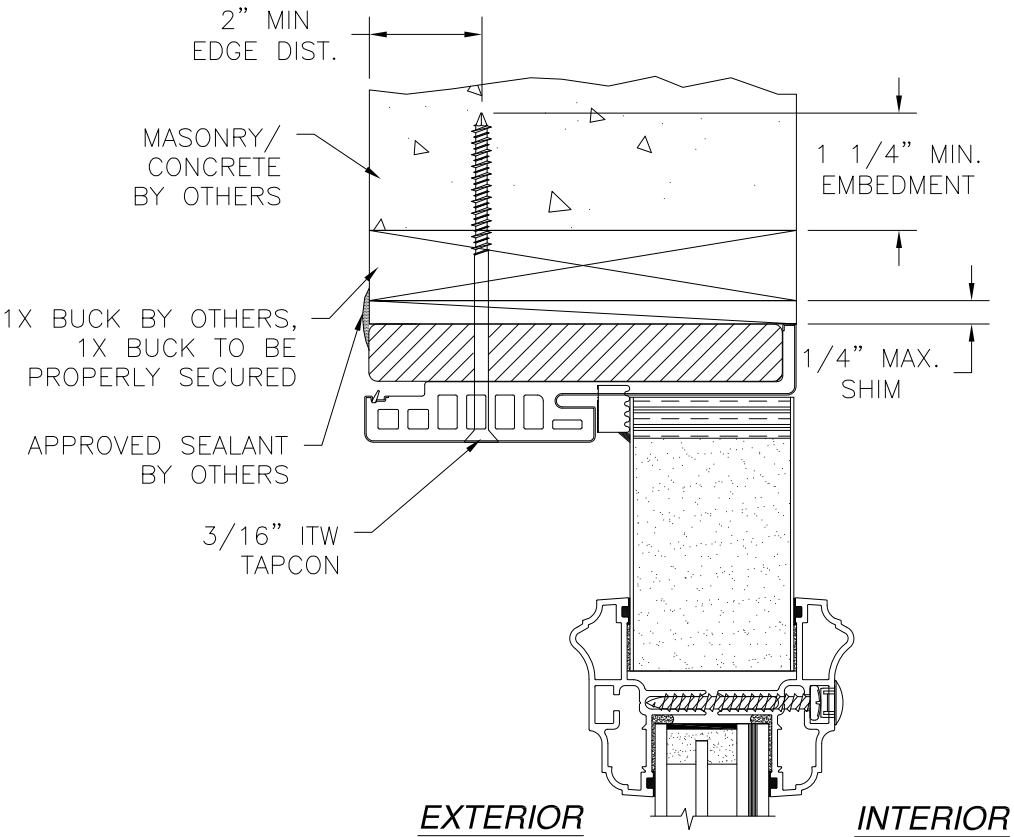
434-688-0609 rllomas@rlomaspe.com

SIGNED: 01/08/2020

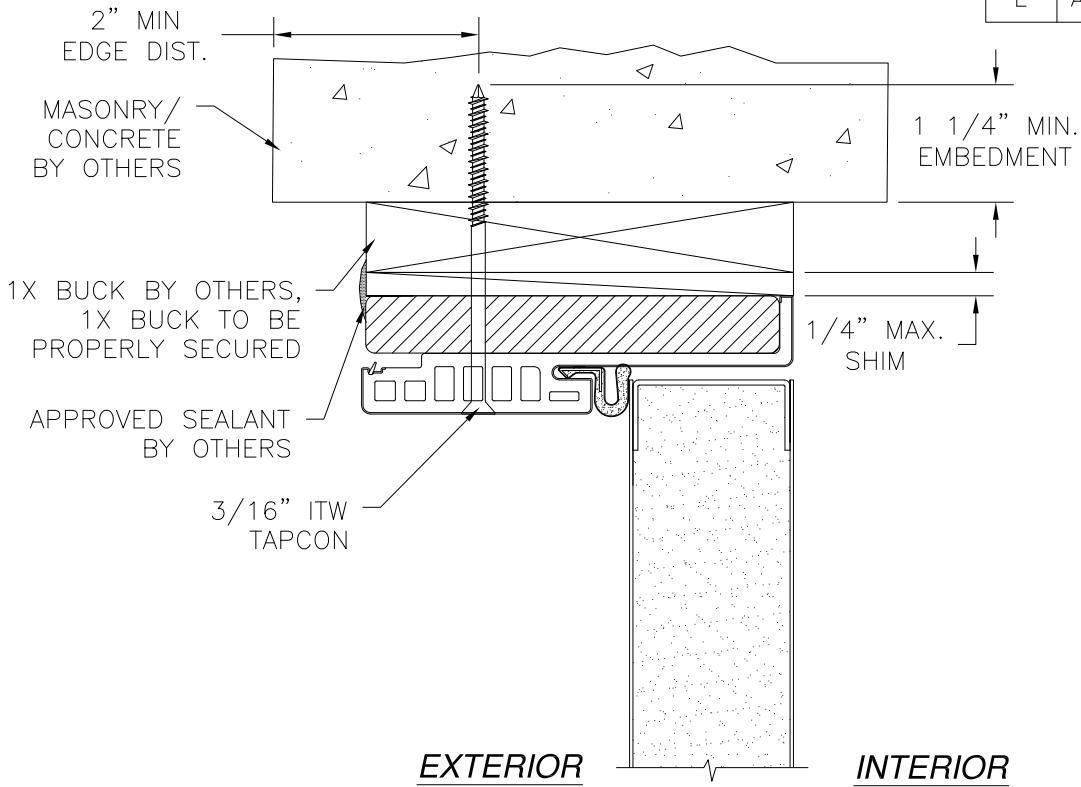


Luis R. Lomas P.E.
FL No.: 62514

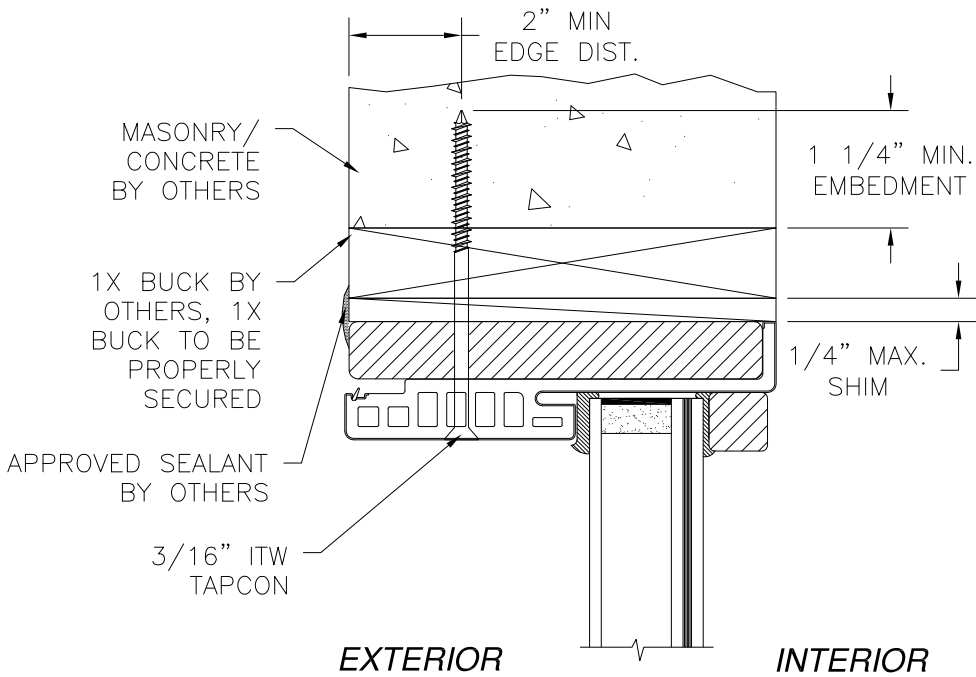
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



**VERTICAL CROSS SECTION
INSWING STANDARD SIDELITE
MASONRY/CONCRETE INSTALLATION**



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



**VERTICAL CROSS SECTION
INSWING DIRECTSET SIDELITE
MASONRY/CONCRETE INSTALLATION**

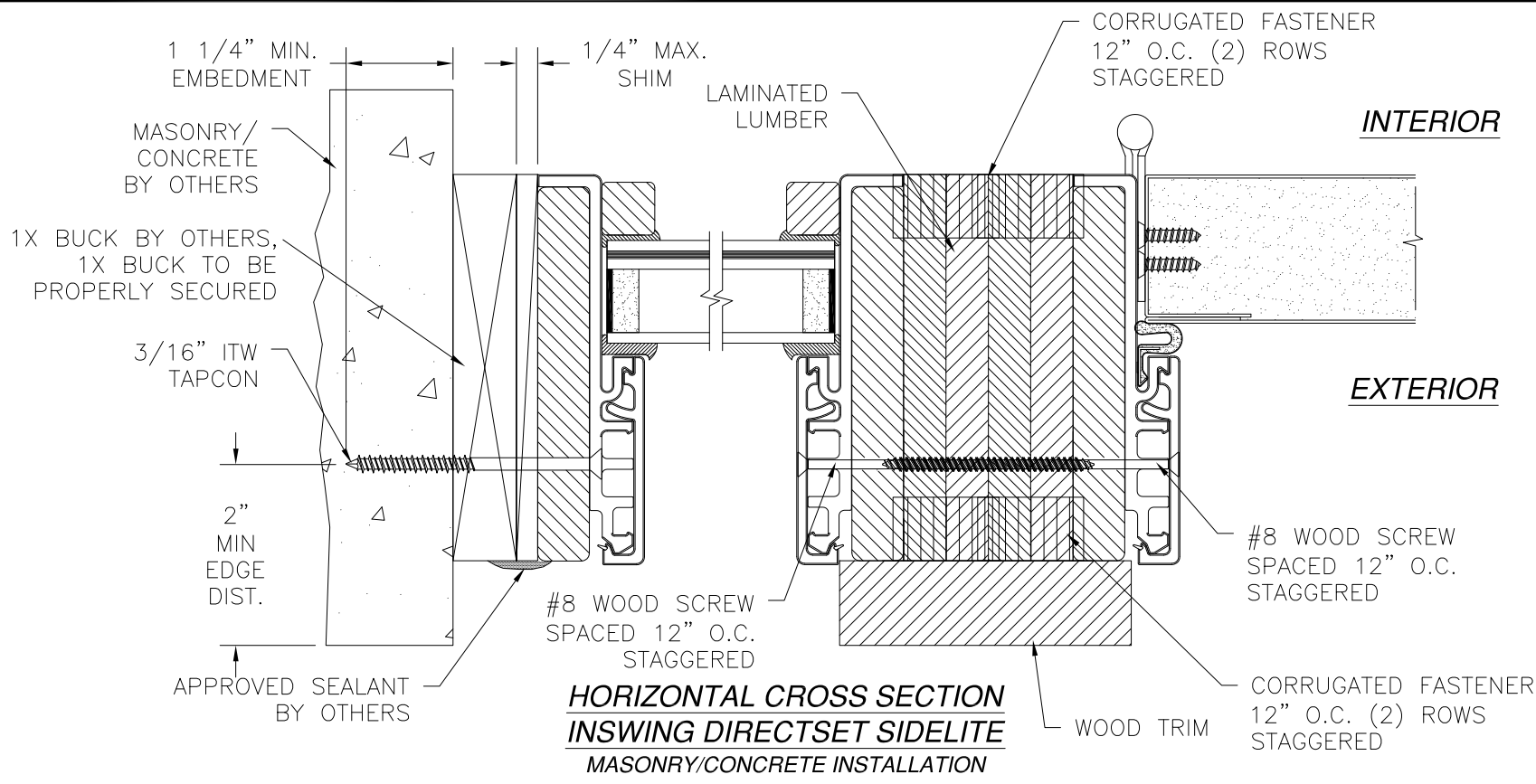
- NOTES:**
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 01/08/2020

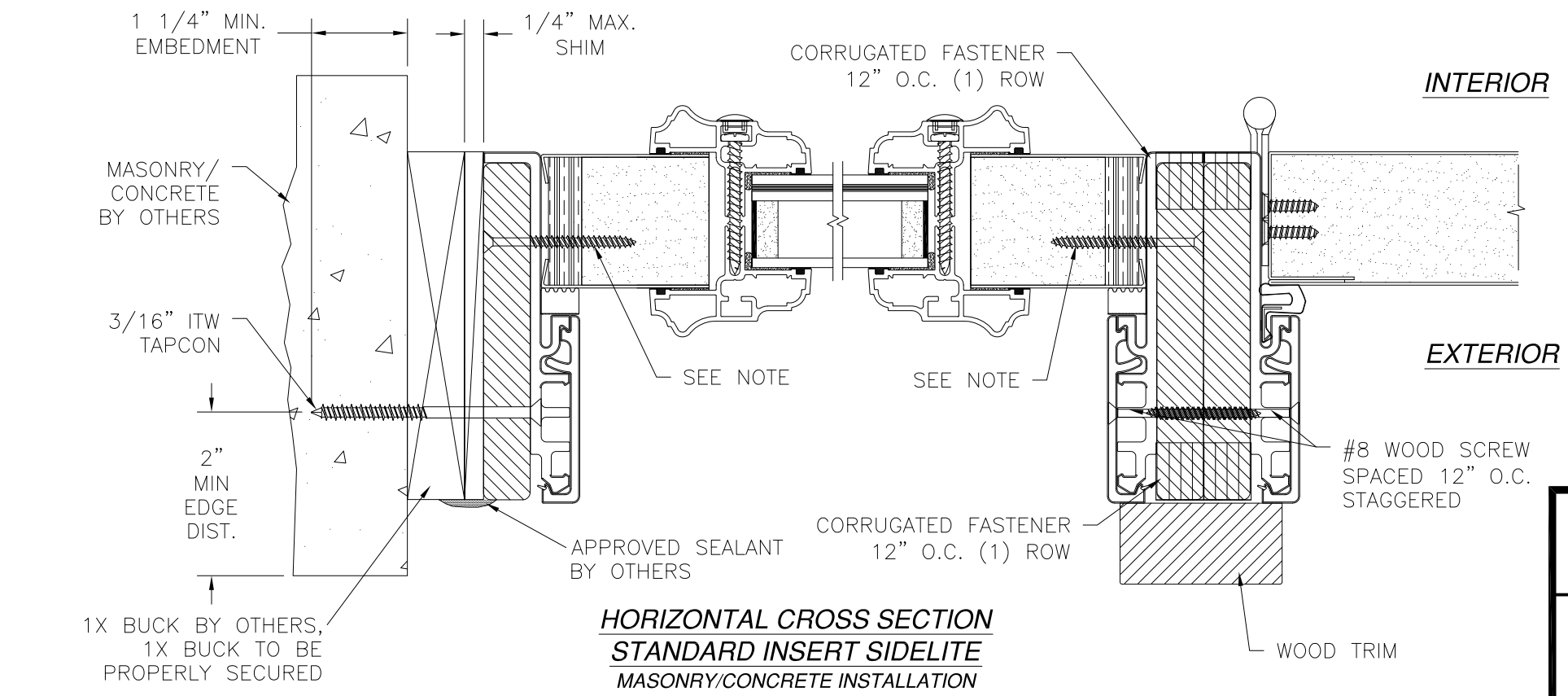
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES - IMPACT INSWING INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 21 OF 32
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



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



**HORIZONTAL CROSS SECTION
INSWING DIRECTSET SIDELITE
MASONRY/CONCRETE INSTALLATION**

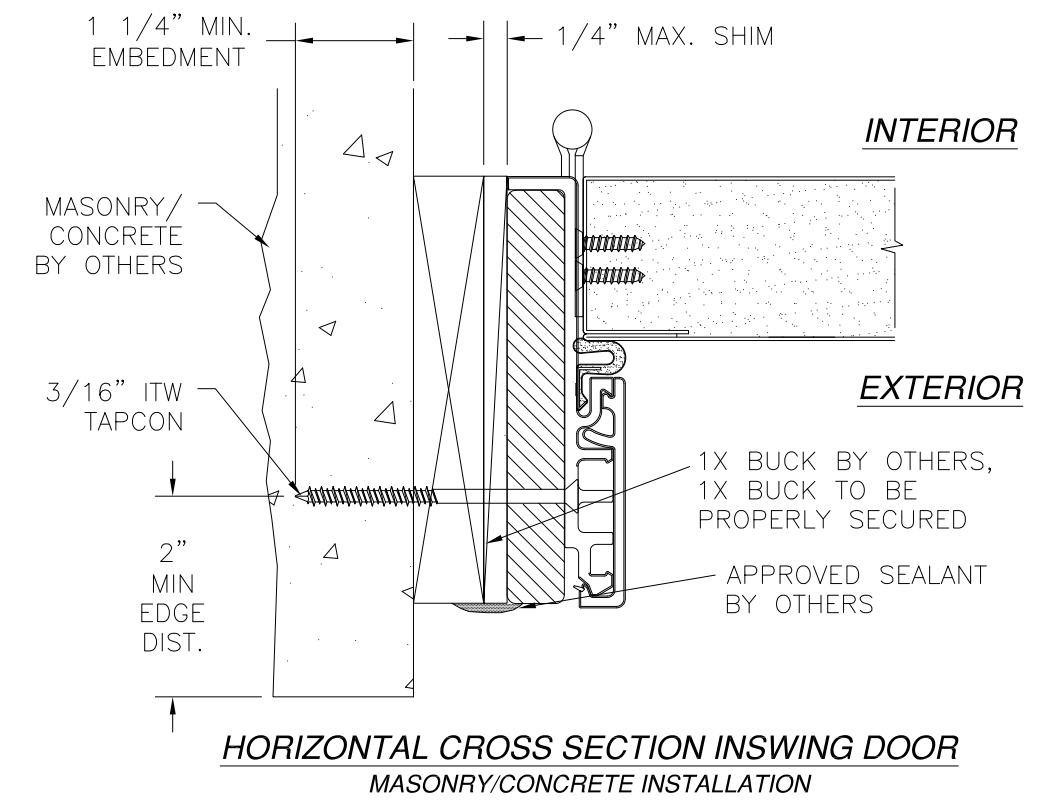


**HORIZONTAL CROSS SECTION
STANDARD INSERT SIDELITE
MASONRY/CONCRETE INSTALLATION**

STANDARD SIDELITE PANEL ATTACHMENT:
SIDELITE PANEL IS SECURED INTO THE FRAME AT JAMBS ONLY
WITH (9) #8 x 1 5/8" WOOD SCREWS SPACED AT 3" FROM
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



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

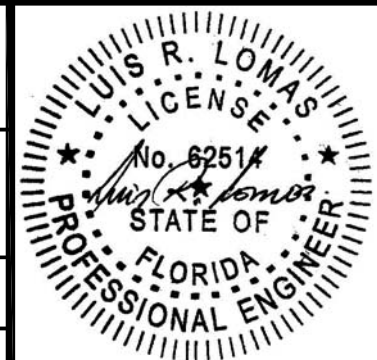
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES - IMPACT
INSWING INSTALLATION DETAILS W/FUSION FRAME

DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 22 OF 32

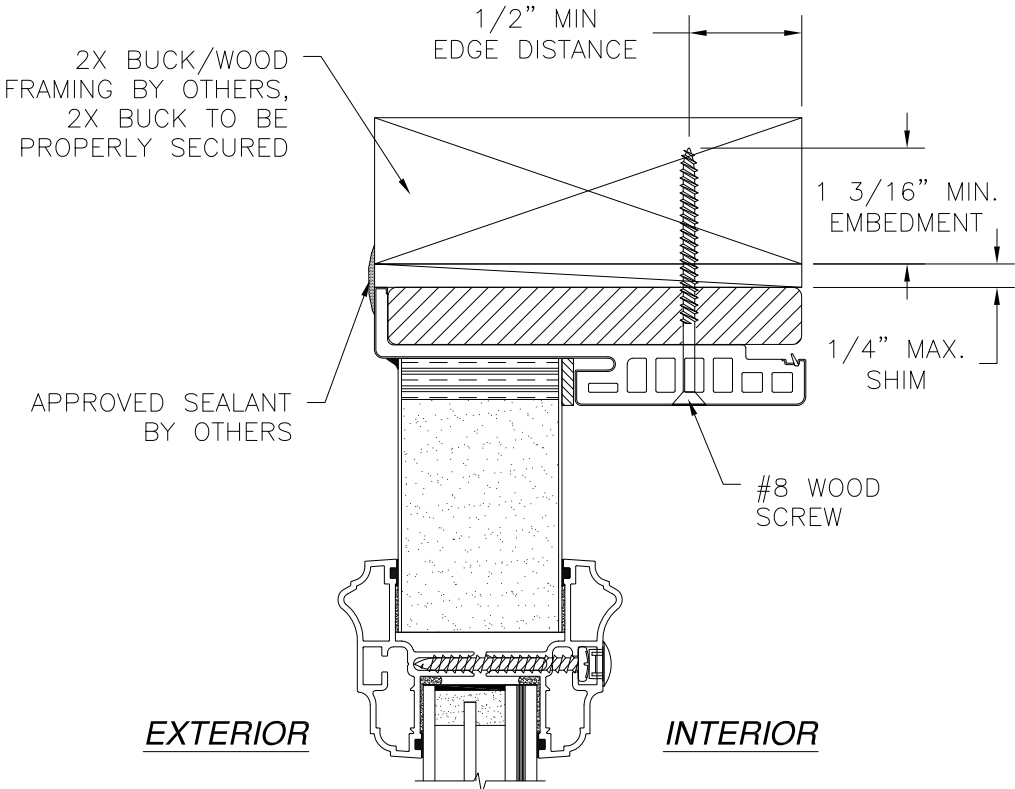
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

SIGNED: 01/08/2020

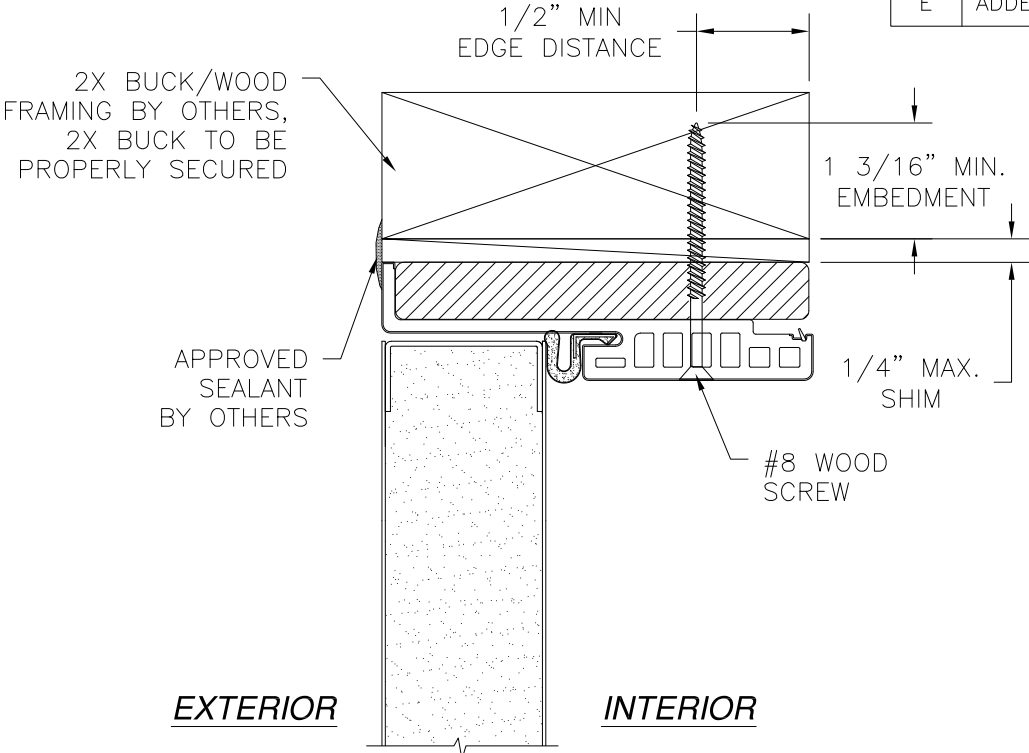


Luis R. Lomas P.E.
FL No.: 62514

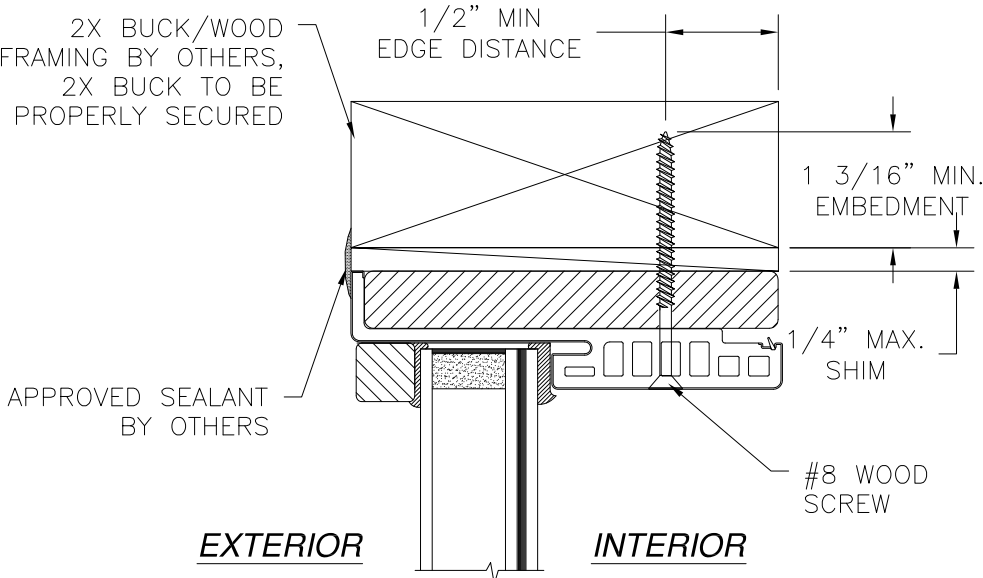
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



VERTICAL CROSS SECTION
OUTSWING STANDARD SIDELITE
2X BUCK/WOOD FRAMING INSTALLATION



VERTICAL CROSS SECTION
OUTSWING DOOR
2X BUCK/WOOD FRAMING INSTALLATION



VERTICAL CROSS SECTION
OUTSWING DIRECTSET SIDELITE
2X BUCK/WOOD FRAMING INSTALLATION

- 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

SIGNED: 01/08/2020

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

22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES – IMPACT
OUTSWING INSTALLATION DETAILS W/FUSION FRAME

DRAWN:
TJH

DWG NO.
08-00979

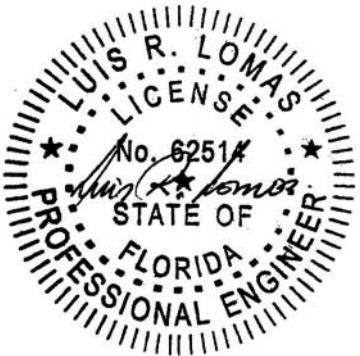
REV
E

SCALE
NTS

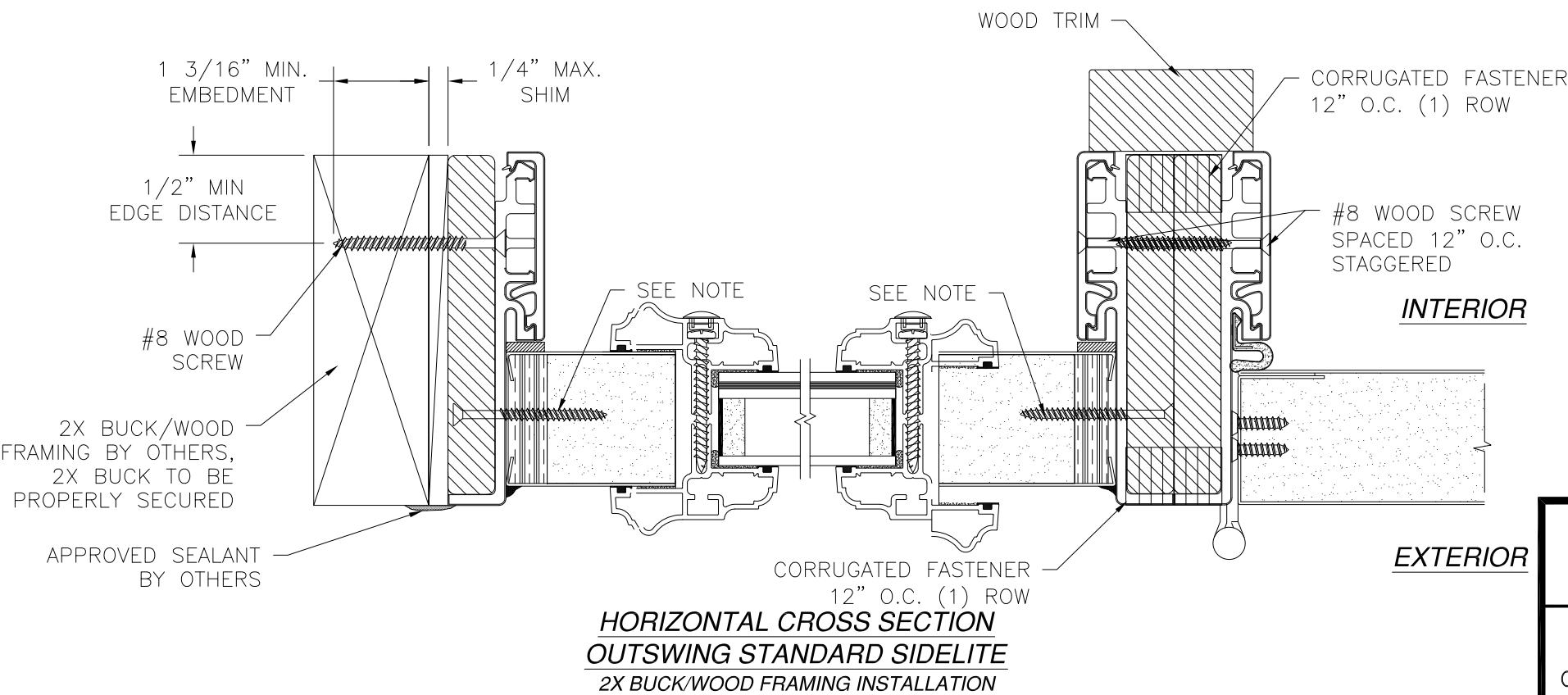
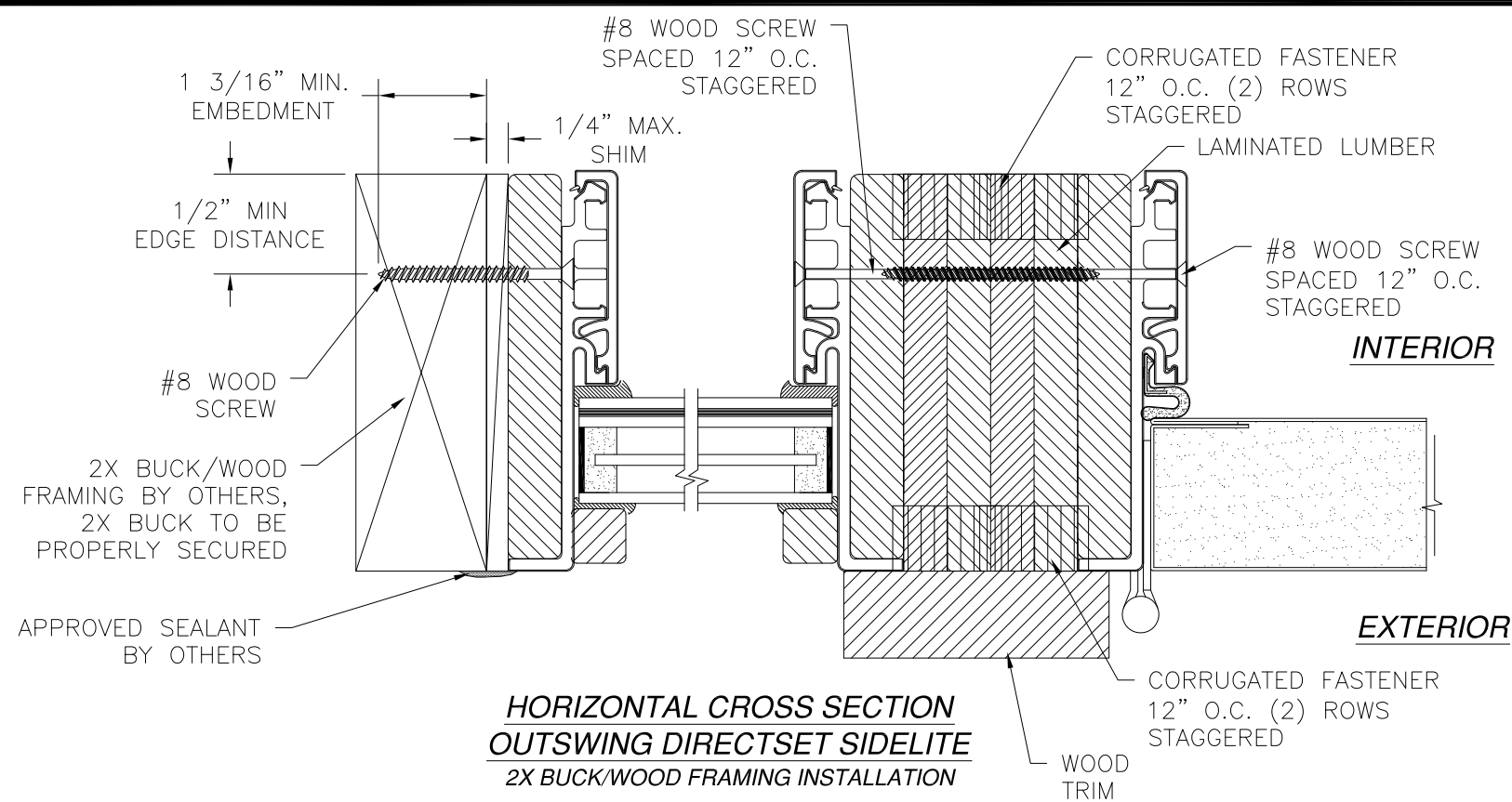
DATE
04/16/10

SHEET
23 OF 32

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



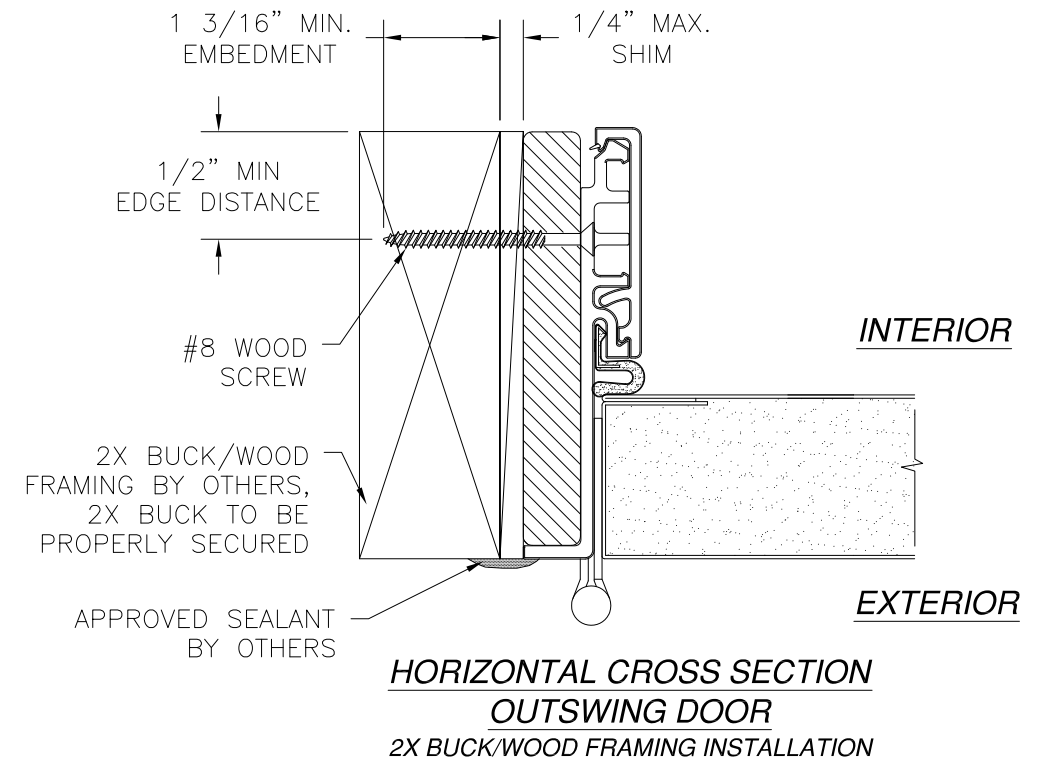
Luis R. Lomas P.E.
FL No.: 62514



STANDARD SIDELITE PANEL ATTACHMENT:
SIDELITE PANEL IS SECURED INTO THE FRAME AT JAMBS ONLY
WITH (9) #8 x 1 5/8" WOOD SCREWS SPACED AT 3" FROM
EACH CORNER AND 17" MAX. O.C. THEREAFTER.

- 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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



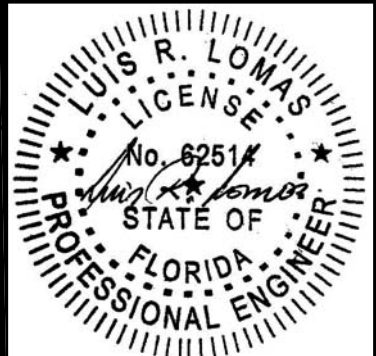
PROVIA, LLC.
2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES - IMPACT
OUTSWING INSTALLATION DETAILS W/FUSION FRAME

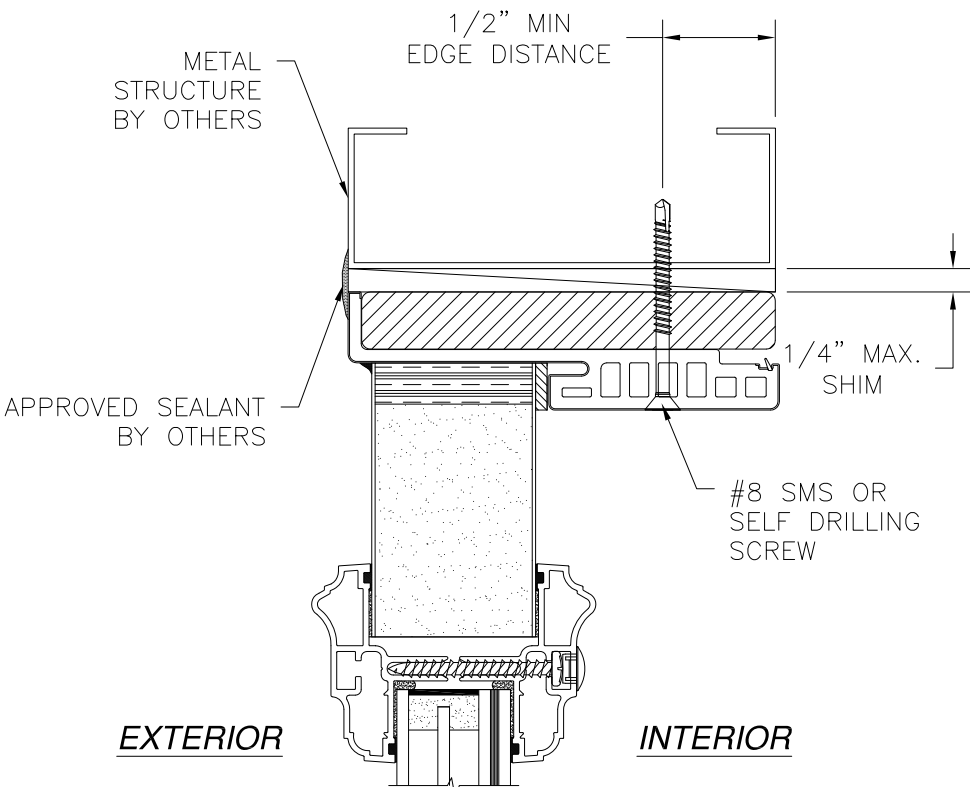
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SCALE NTS	DATE 04/16/10	SHEET 24 OF 32

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

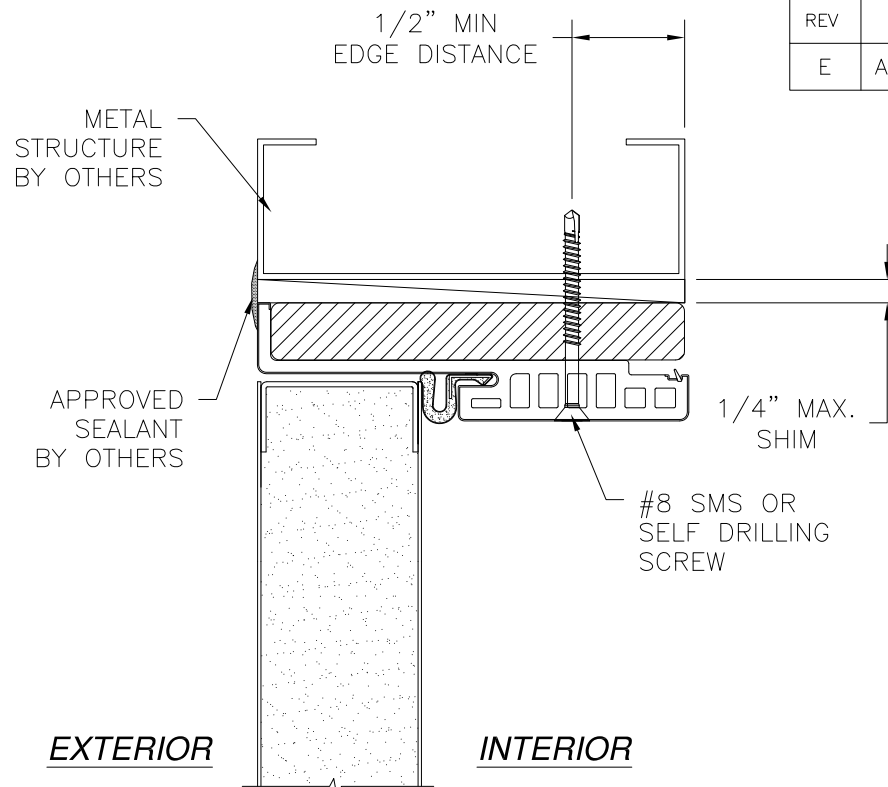
SIGNED: 01/08/2020



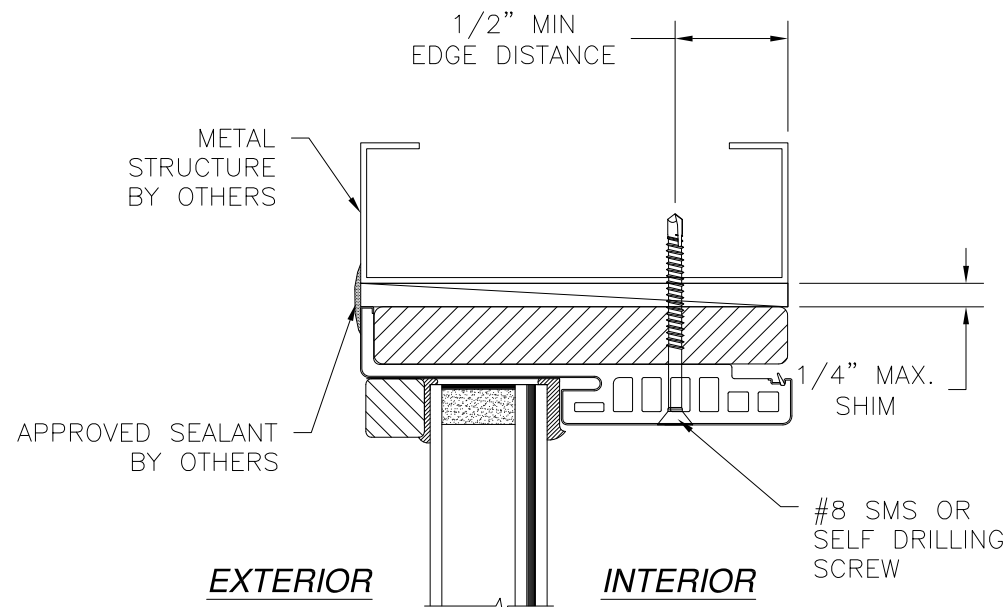
Luis R. Lomas P.E.
FL No.: 62514



**VERTICAL CROSS SECTION
OUTSWING STANDARD SIDELITE
METAL STRUCTURE INSTALLATION**



**VERTICAL CROSS SECTION
OUTSWING DOOR
METAL STRUCTURE INSTALLATION**



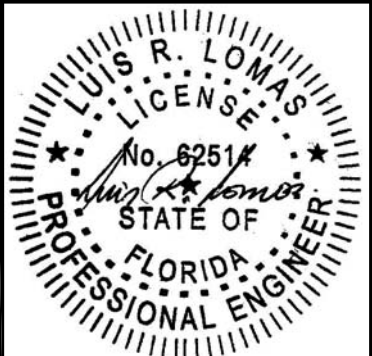
**VERTICAL CROSS SECTION
OUTSWING DIRECTSET SIDELITE
METAL STRUCTURE INSTALLATION**

- 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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.

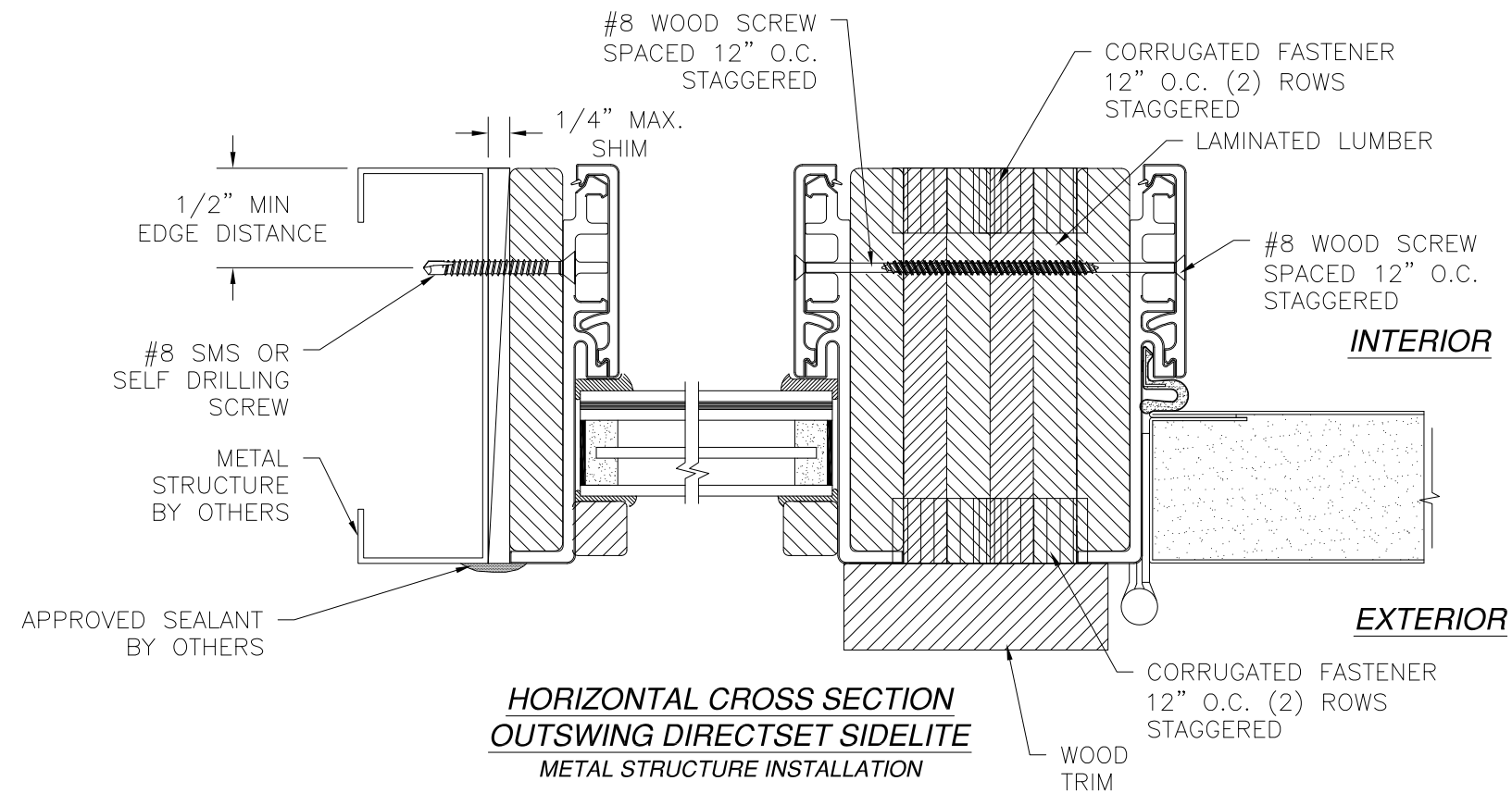
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES - IMPACT OUTSWING INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 25 OF 32
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

SIGNED: 01/08/2020

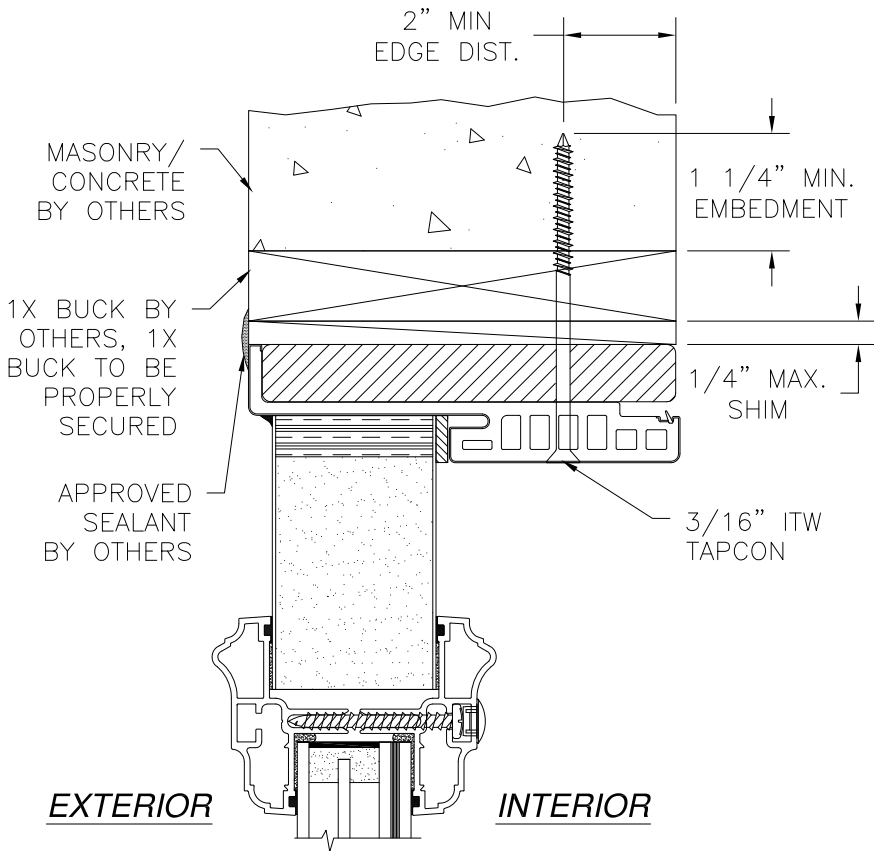


Luis R. Lomas P.E.
FL No.: 62514

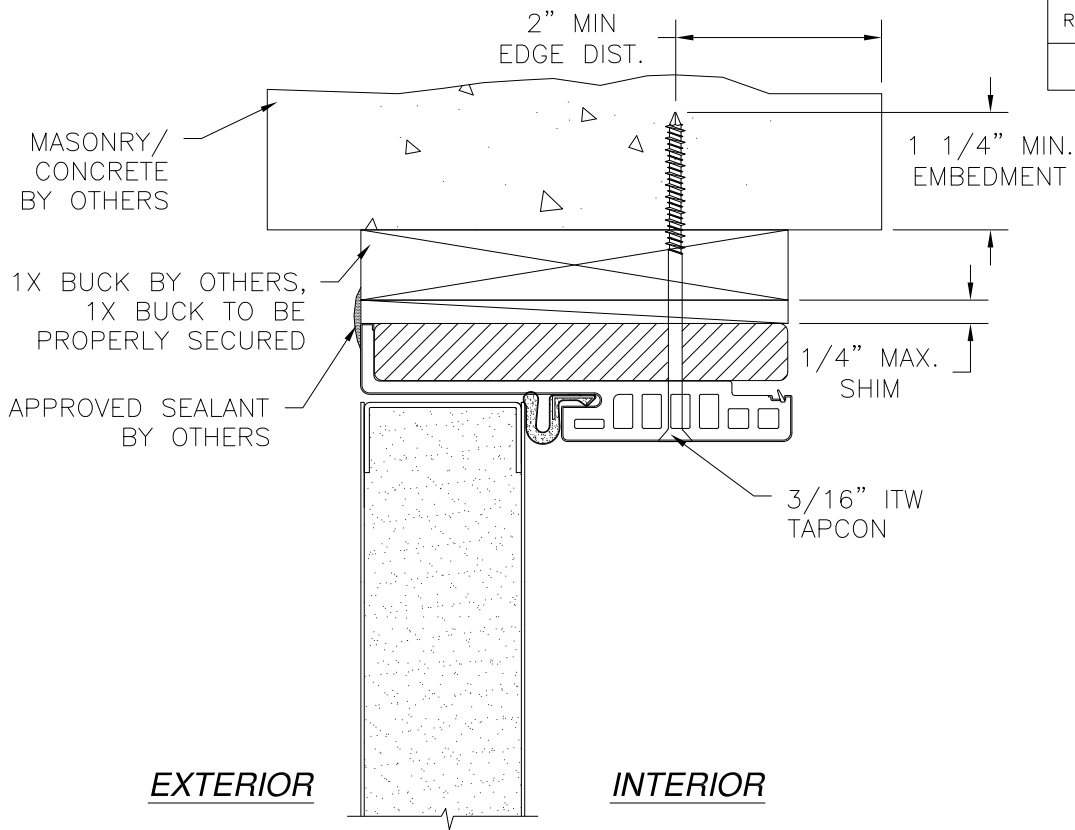
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



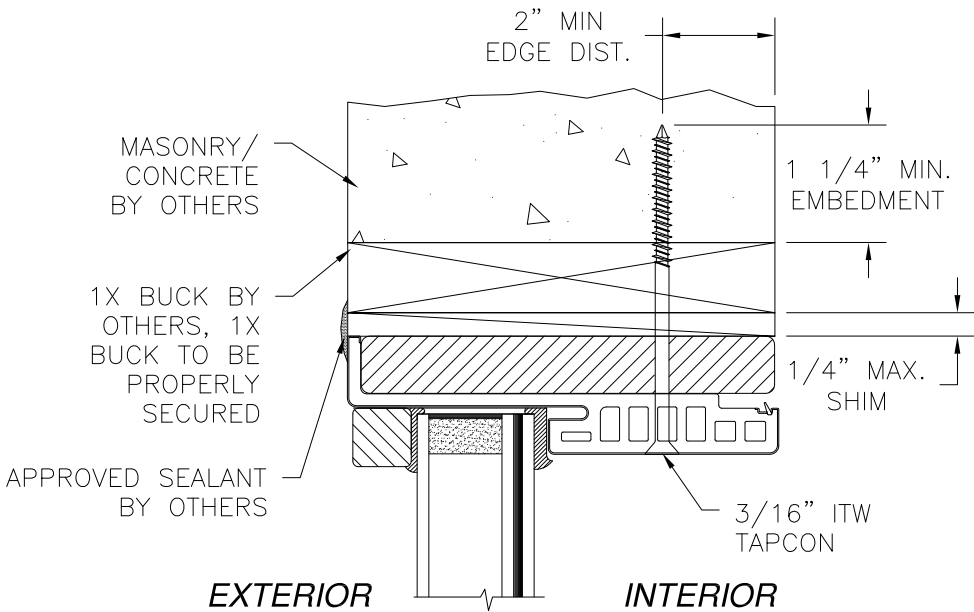
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



VERTICAL CROSS SECTION
OUTSWING STANDARD SIDELITE
MASONRY/CONCRETE INSTALLATION



VERTICAL CROSS SECTION
OUTSWING DOOR
MASONRY/CONCRETE INSTALLATION



VERTICAL CROSS SECTION
OUTSWING DIRECTSET SIDELITE
MASONRY/CONCRETE INSTALLATION

- 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: 01/08/2020

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

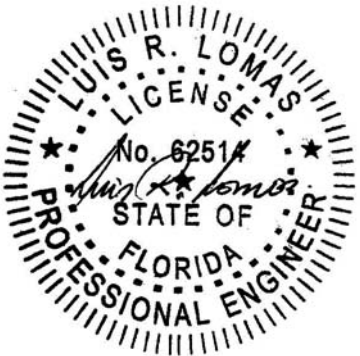
22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES – IMPACT

OUTSWING INSTALLATION DETAILS W/FUSION FRAME

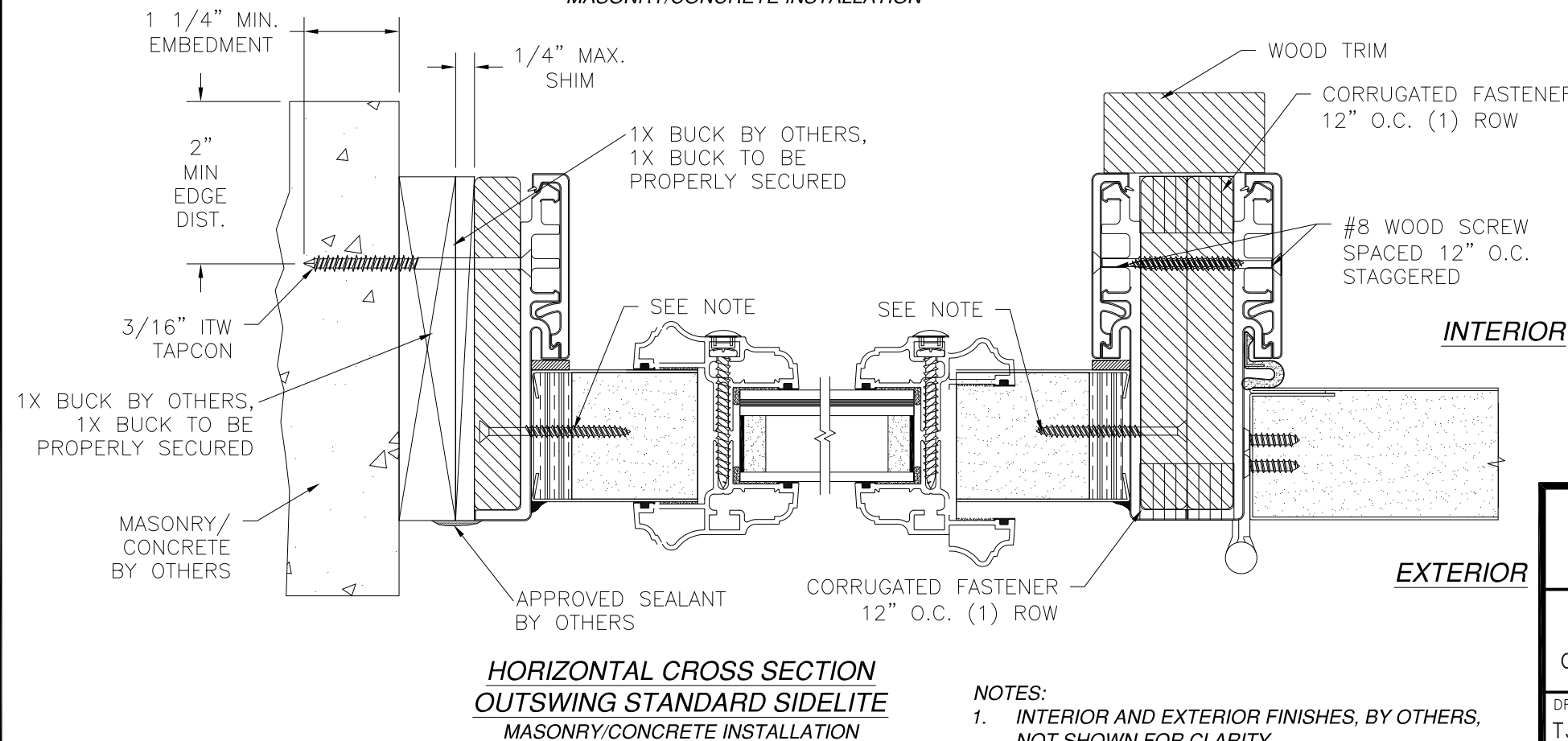
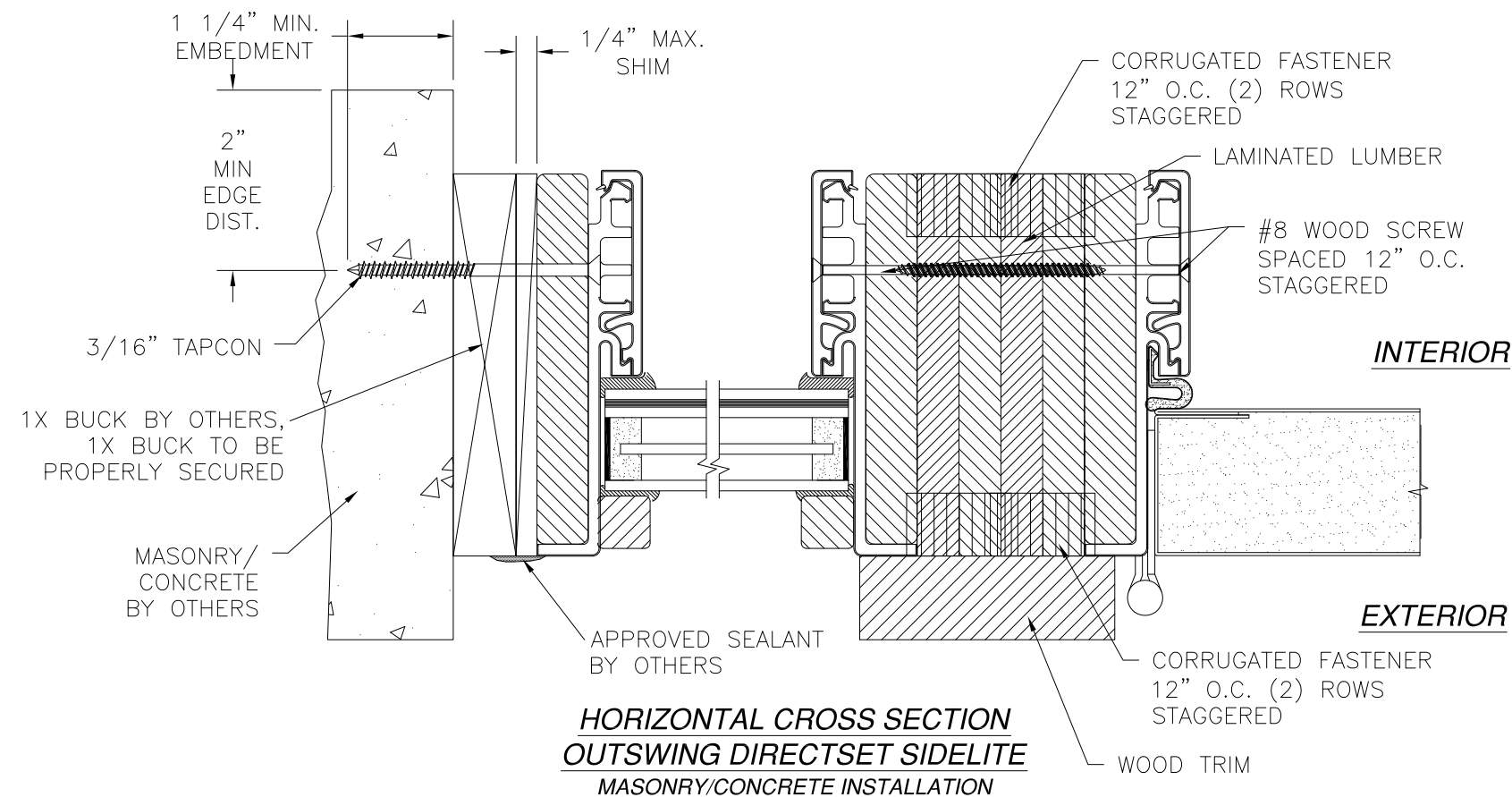
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 27 OF 32

L. ROBERTO LOMAS P.E.

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



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

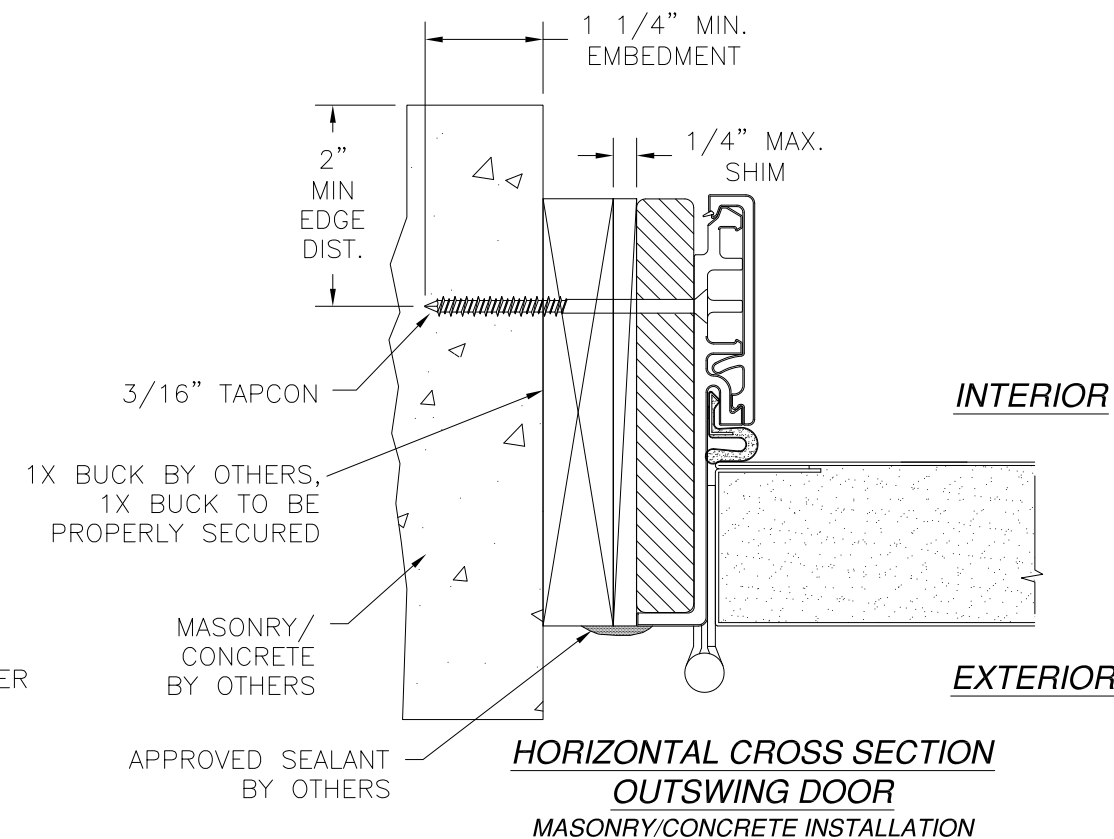


STANDARD SIDELITE PANEL ATTACHMENT:
SIDELITE PANEL IS SECURED INTO THE FRAME AT JAMBS ONLY
WITH (9) #8 x 1 5/8\"

NOTES:

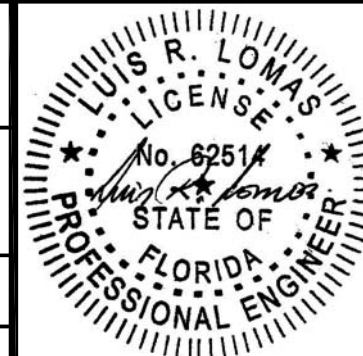
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



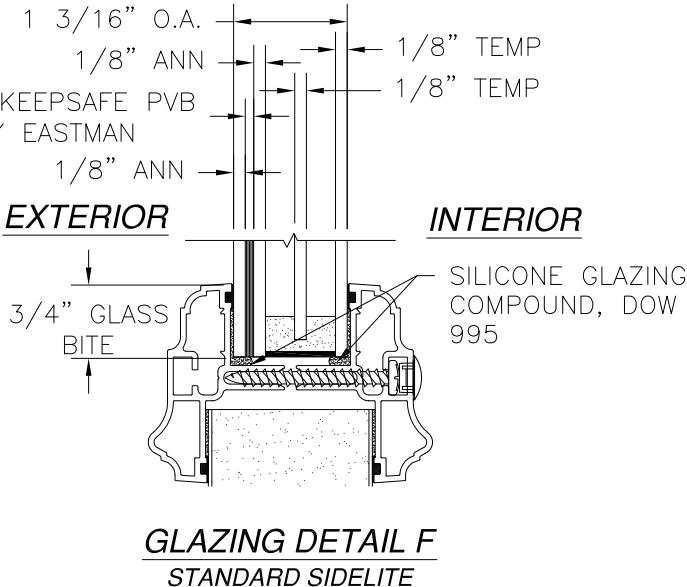
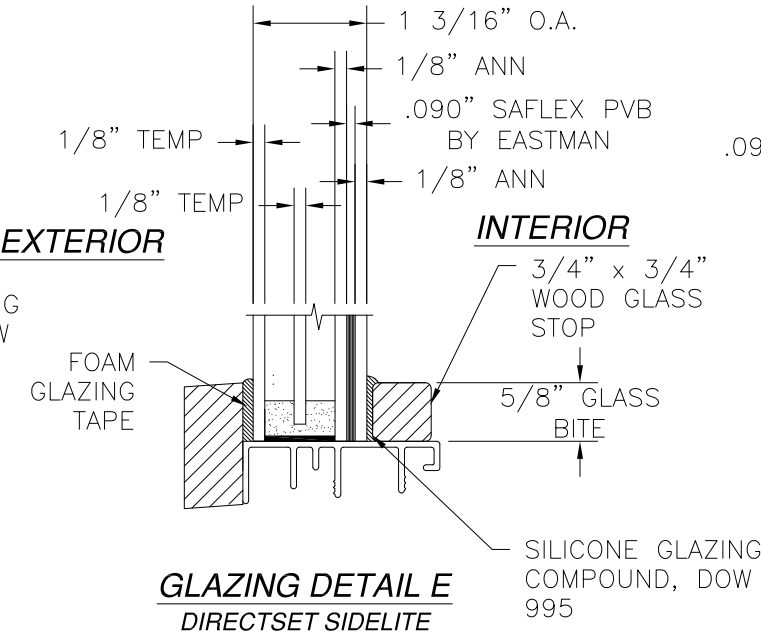
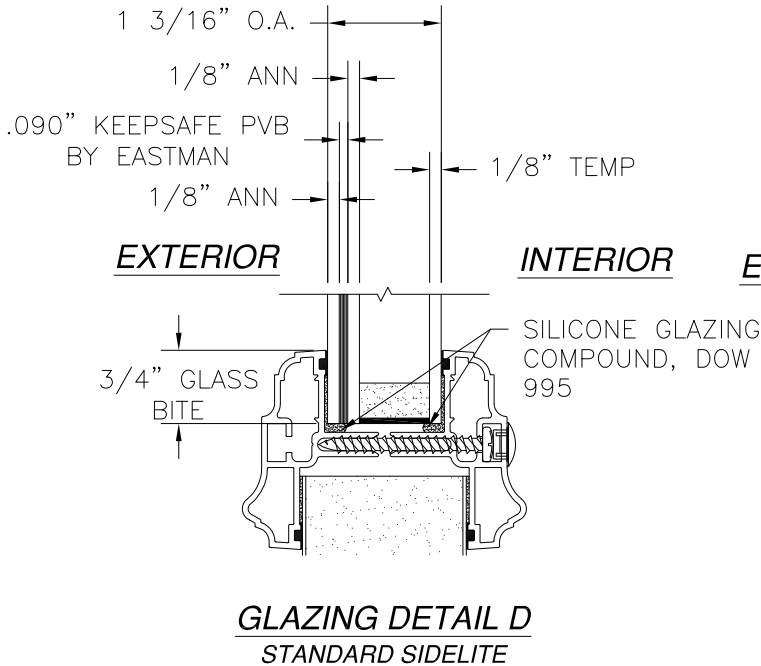
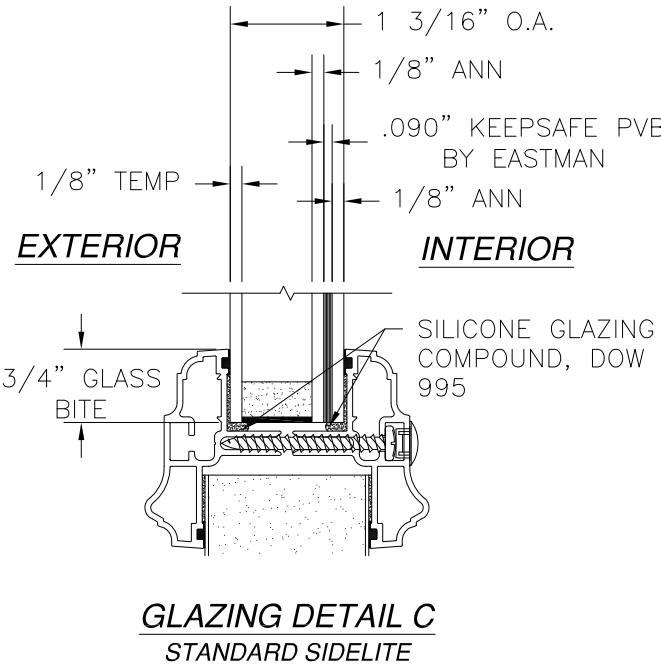
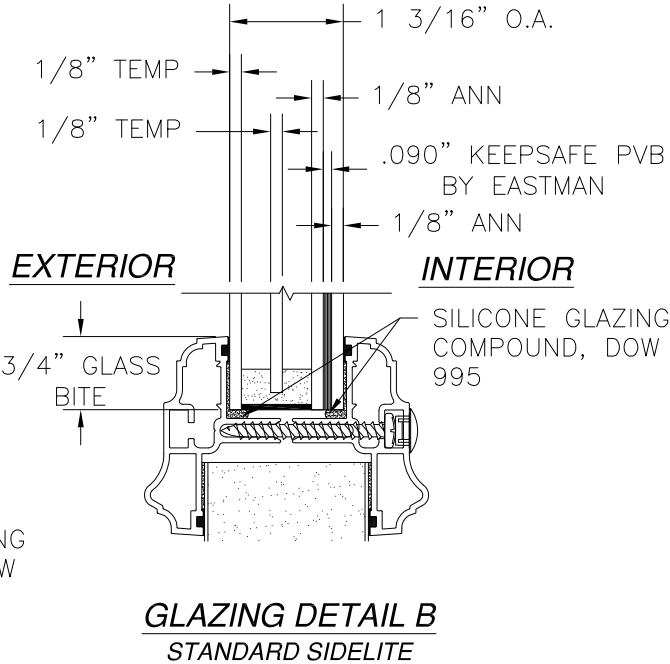
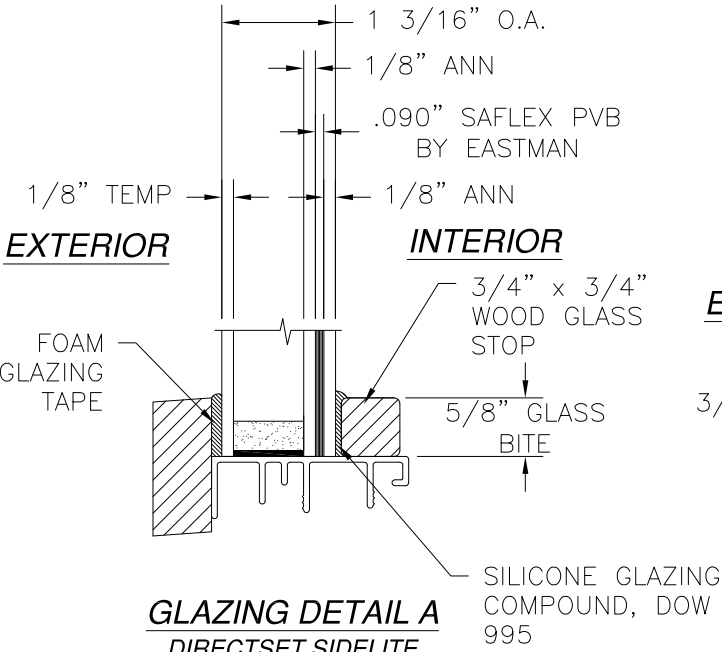
SIGNED: 01/08/2020

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES - IMPACT OUTSWING INSTALLATION DETAILS W/FUSION FRAME		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 28 OF 32
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



SIGNED: 01/08/2020

PROVIA, LLC.

2150 STATE ROUTE 39 WEST
SUGARCREEK, OH 44681

22GA. STEEL OPAQUE DOOR IS/OS
W/ AND W/OUT SIDELITES – IMPACT
GLAZING DETAILS

DRAWN:

TJH

DWG NO.

08-00979

REV

E

SCALE

NTS

DATE

04/16/10

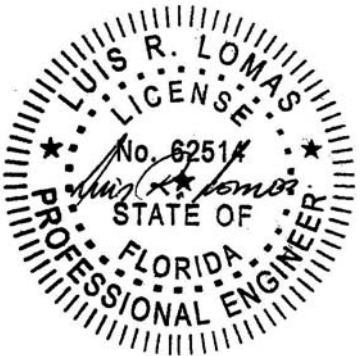
SHEET

29 OF 32

L. ROBERTO LOMAS P.E.

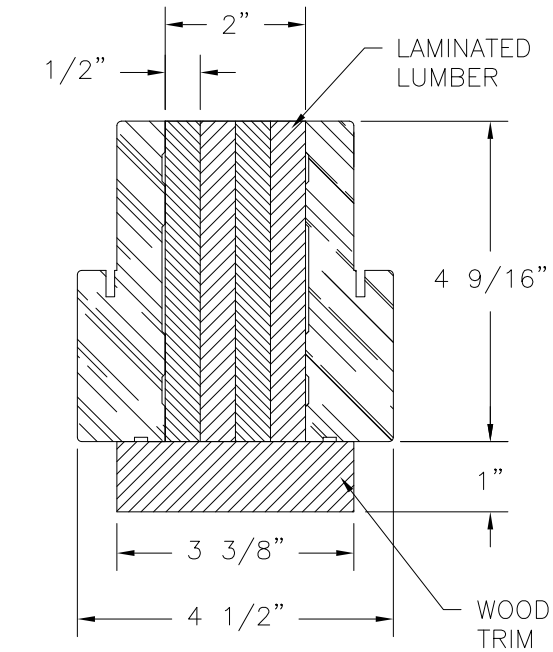
1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@rlomaspe.com



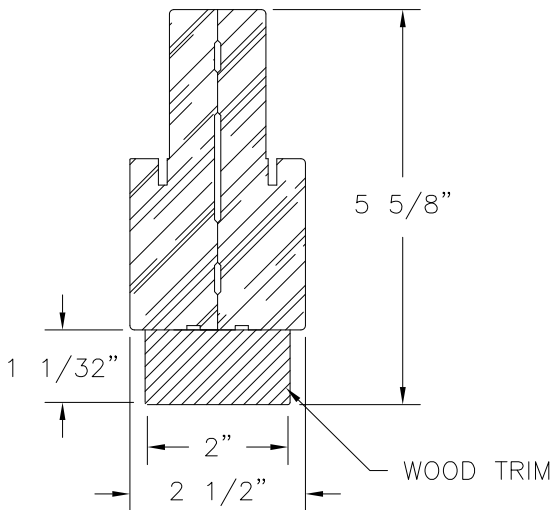
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



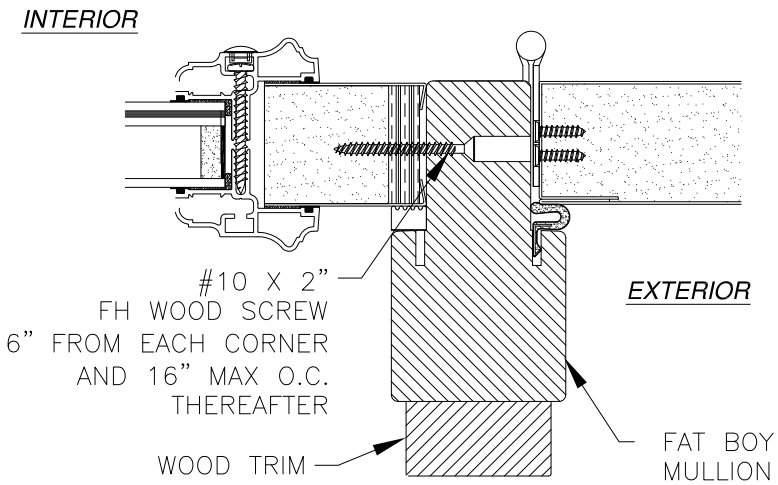
DIRECT SET MULLION DETAIL

STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



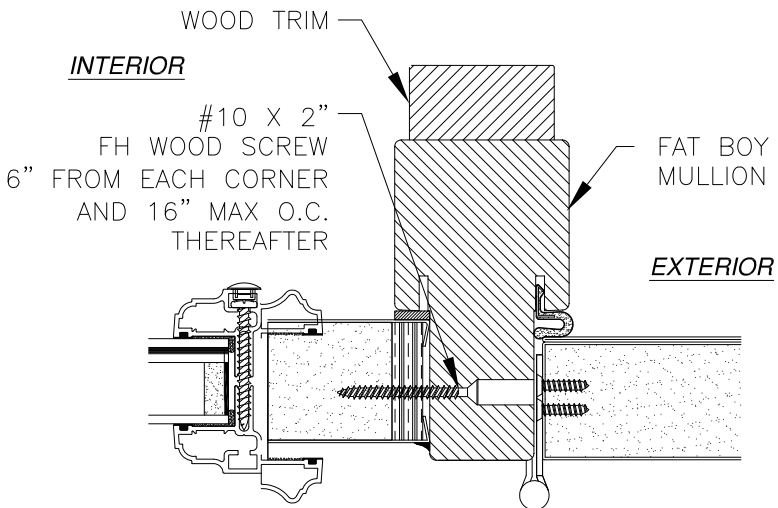
STANDARD MULLION DETAIL

STANDARD FRAME SHOWN,
COMPOSITE AND FUSION FRAME SIMILAR



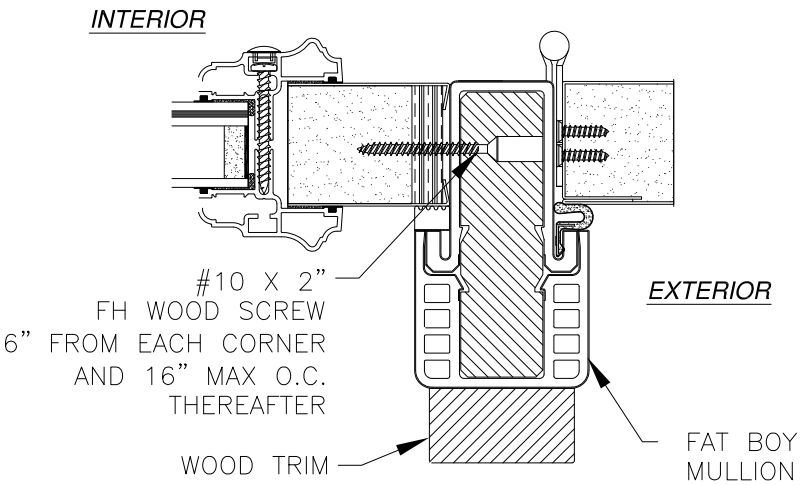
INSWING MULLION DETAIL

WITH FAT BOY MULLION



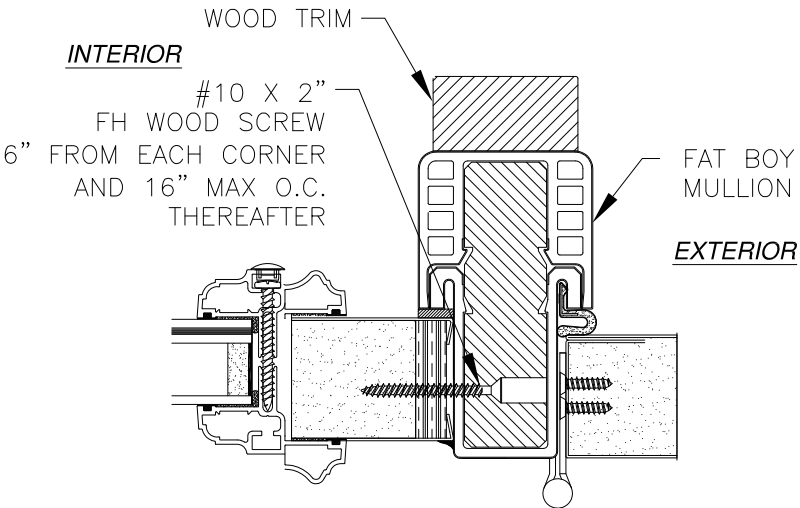
OUTSWING MULLION DETAIL

WITH FAT BOY MULLION



INSWING MULLION DETAIL

WITH HYBRID FAT BOY MULLION



OUTSWING MULLION DETAIL

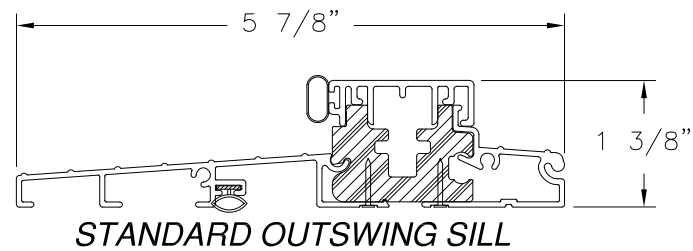
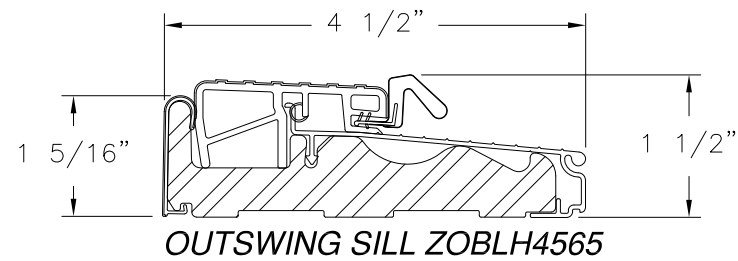
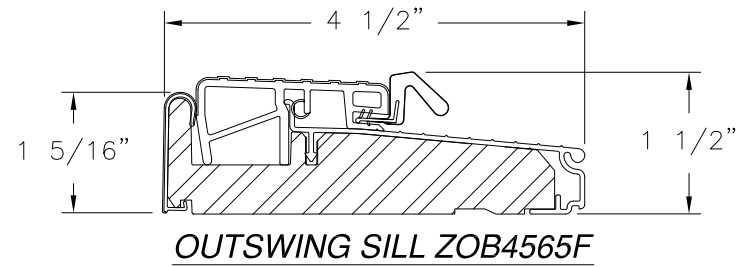
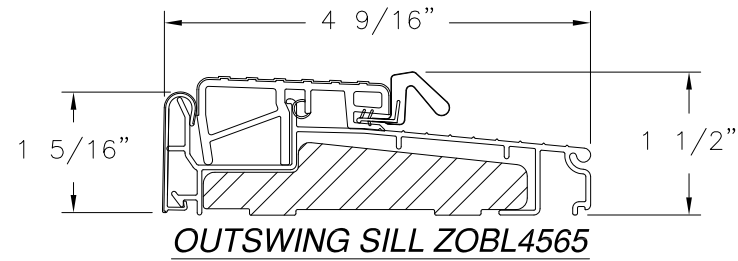
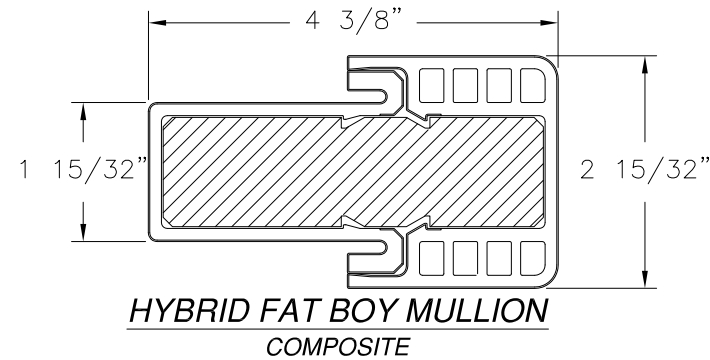
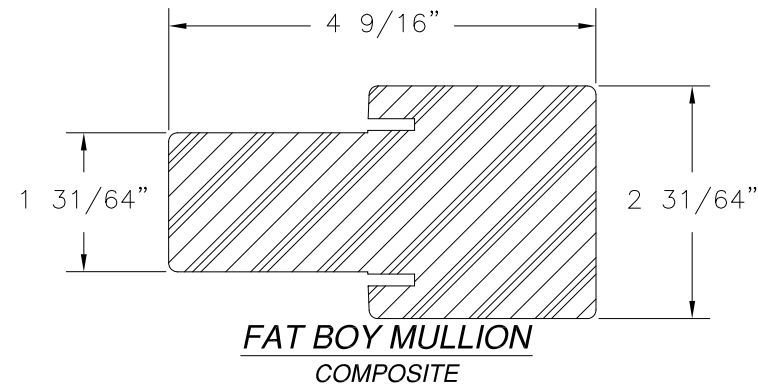
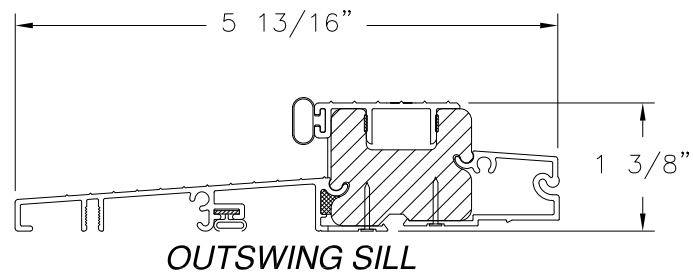
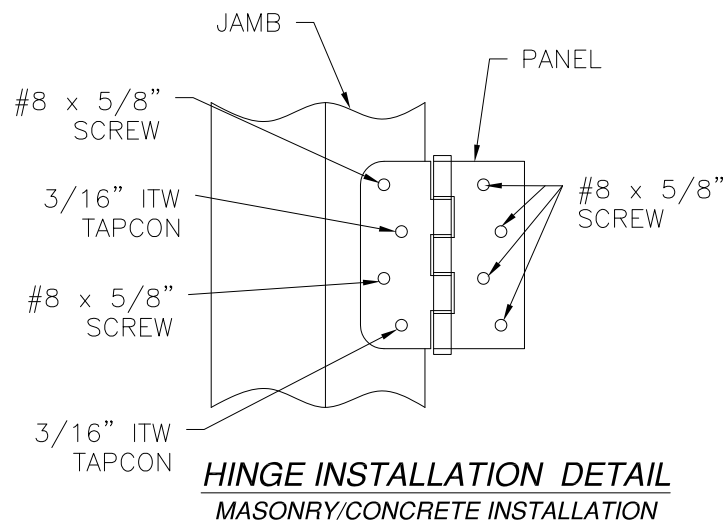
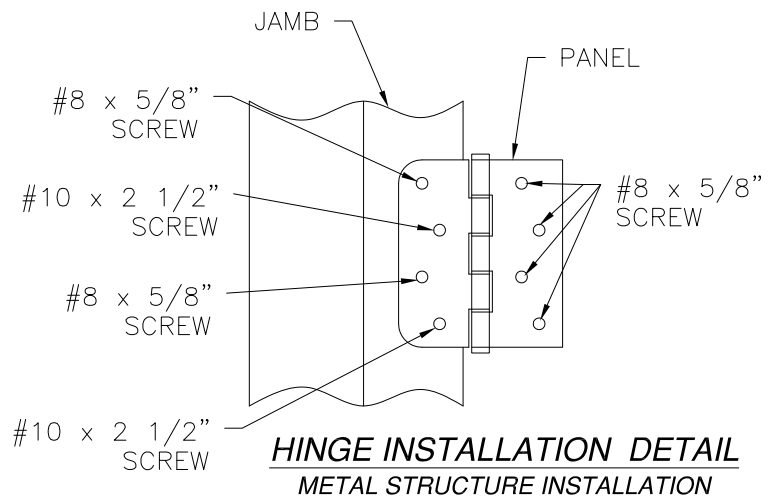
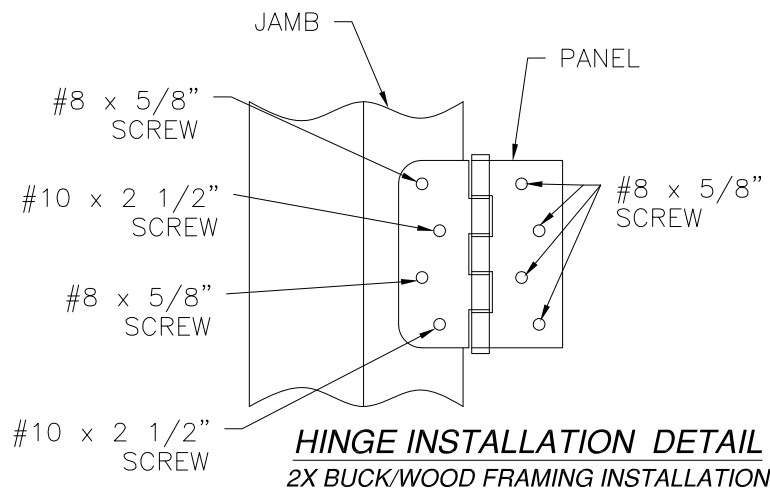
WITH HYBRID FAT BOY MULLION

SIGNED: 01/08/2020

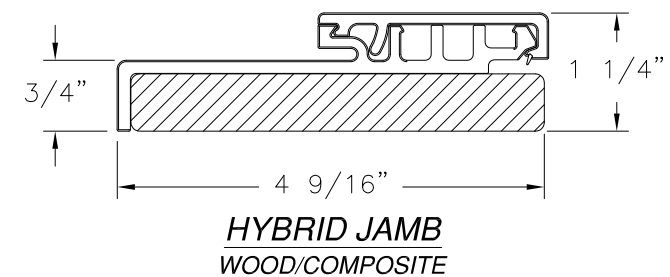
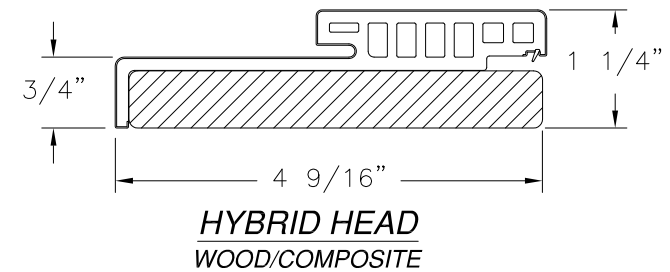
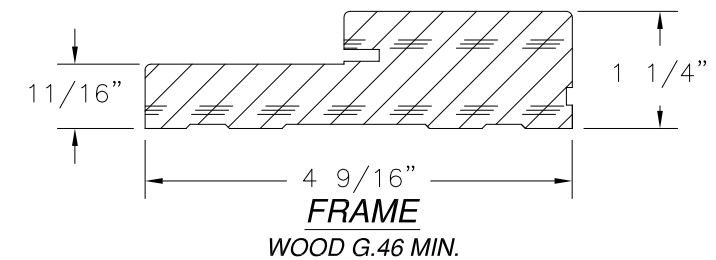
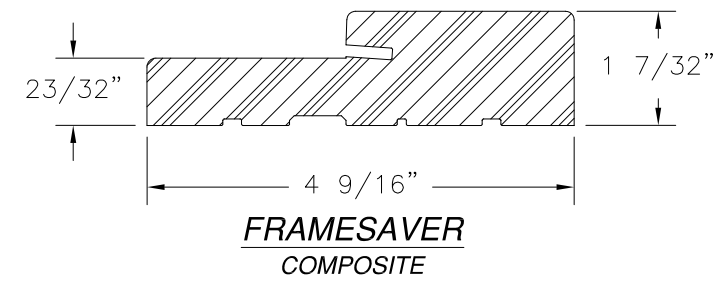
PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES - IMPACT MULLION DETAILS		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 30 OF 32
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



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

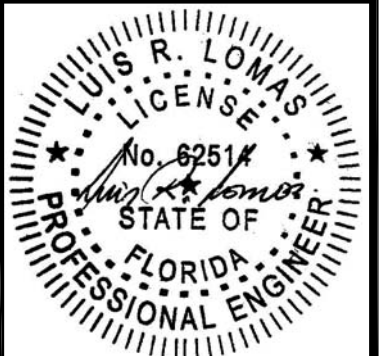


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



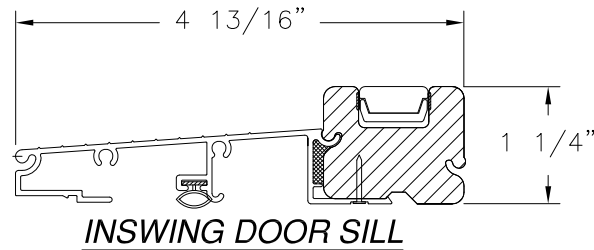
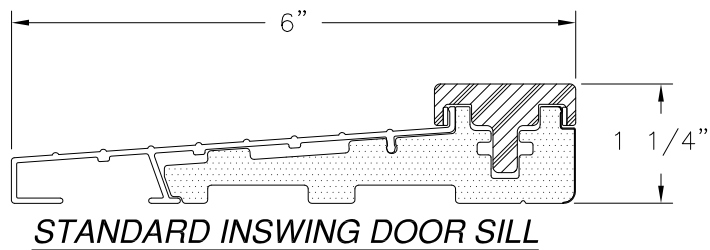
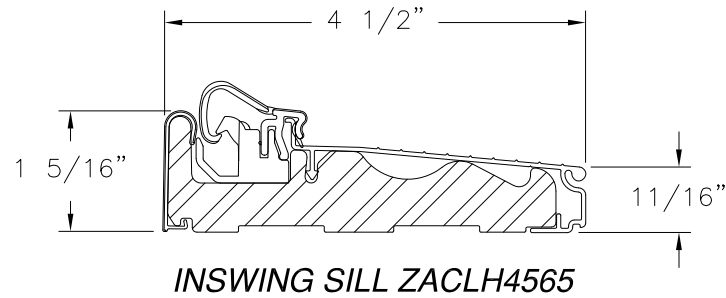
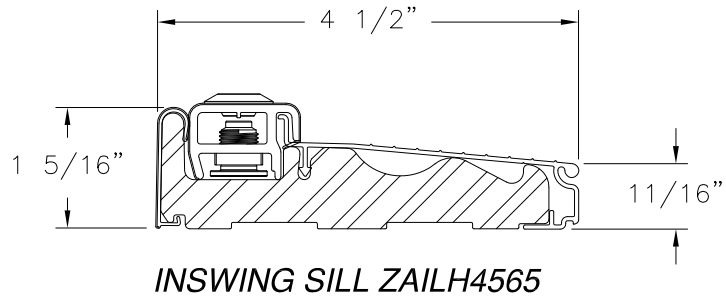
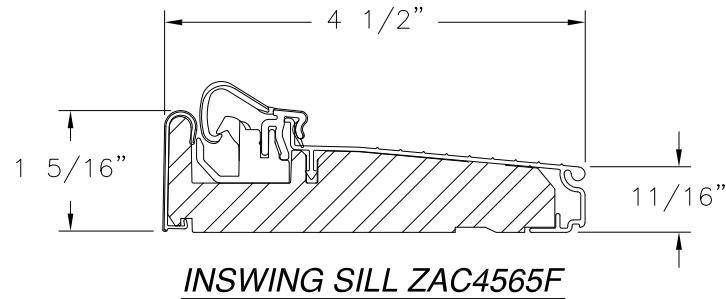
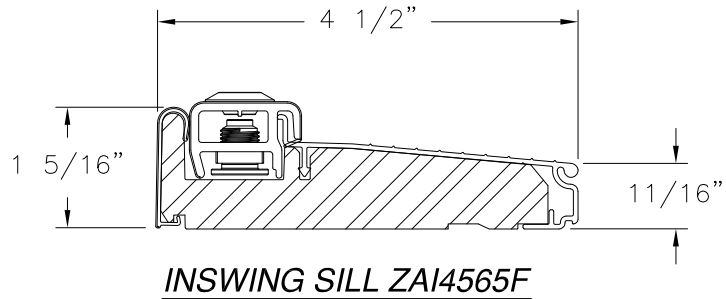
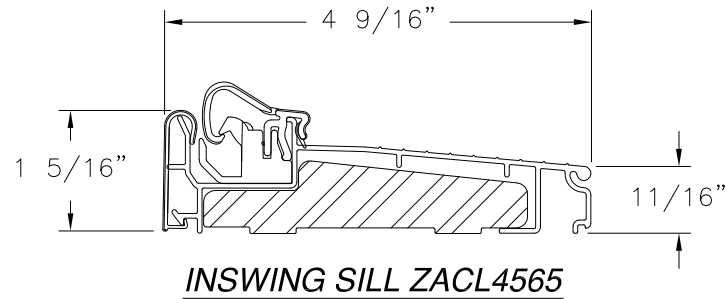
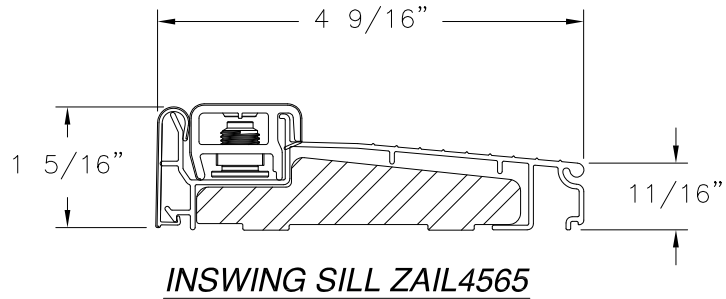
SIGNED: 01/08/2020

PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES - IMPACT COMPONENTS		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 31 OF 32
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED SILLS	01/06/2020	R.L.



PROVIA, LLC. 2150 STATE ROUTE 39 WEST SUGARCREEK, OH 44681		
22GA. STEEL OPAQUE DOOR IS/OS W/ AND W/OUT SIDELITES – IMPACT COMPONENTS		
DRAWN: TJH	DWG NO. 08-00979	REV E
SCALE NTS	DATE 04/16/10	SHEET 32 OF 32
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 01/08/2020



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