


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	01/09/18	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING 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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. 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. 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.
5. FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T6.
6. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 2 FOR GLASS DETAILS.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING TROUGH FRAME INTO METAL STRUCTURE USE #14 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
12. ALL FASTENERS TO BE CORROSION RESISTANT.

13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY, GROUT FILLED: STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .052" THICK MINIMUM

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EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

SERIES FD8100
ALUMINUM SLIDING GLASS DOOR IMPACT
NOTES

DRAWN:
V.L.

DWG NO.
08-02673

REV
A

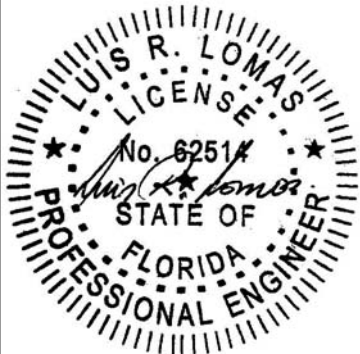
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DATE 03/30/15

SHEET 1 OF 12

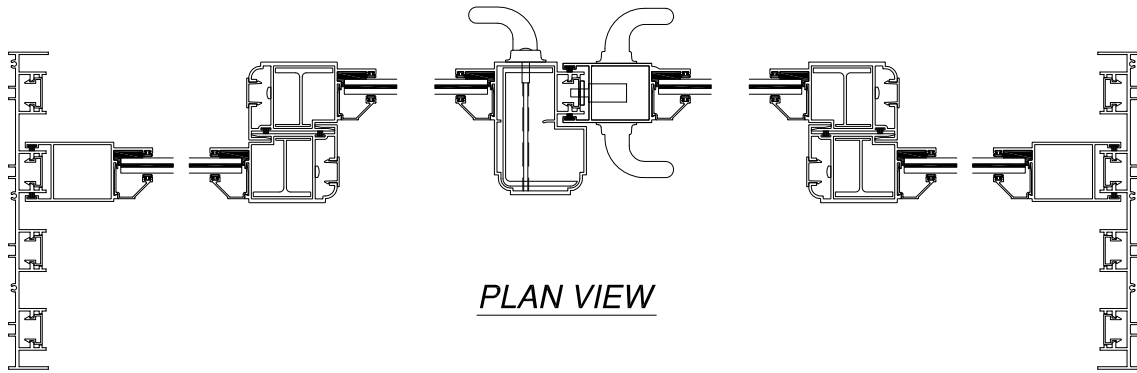
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 01/09/2018

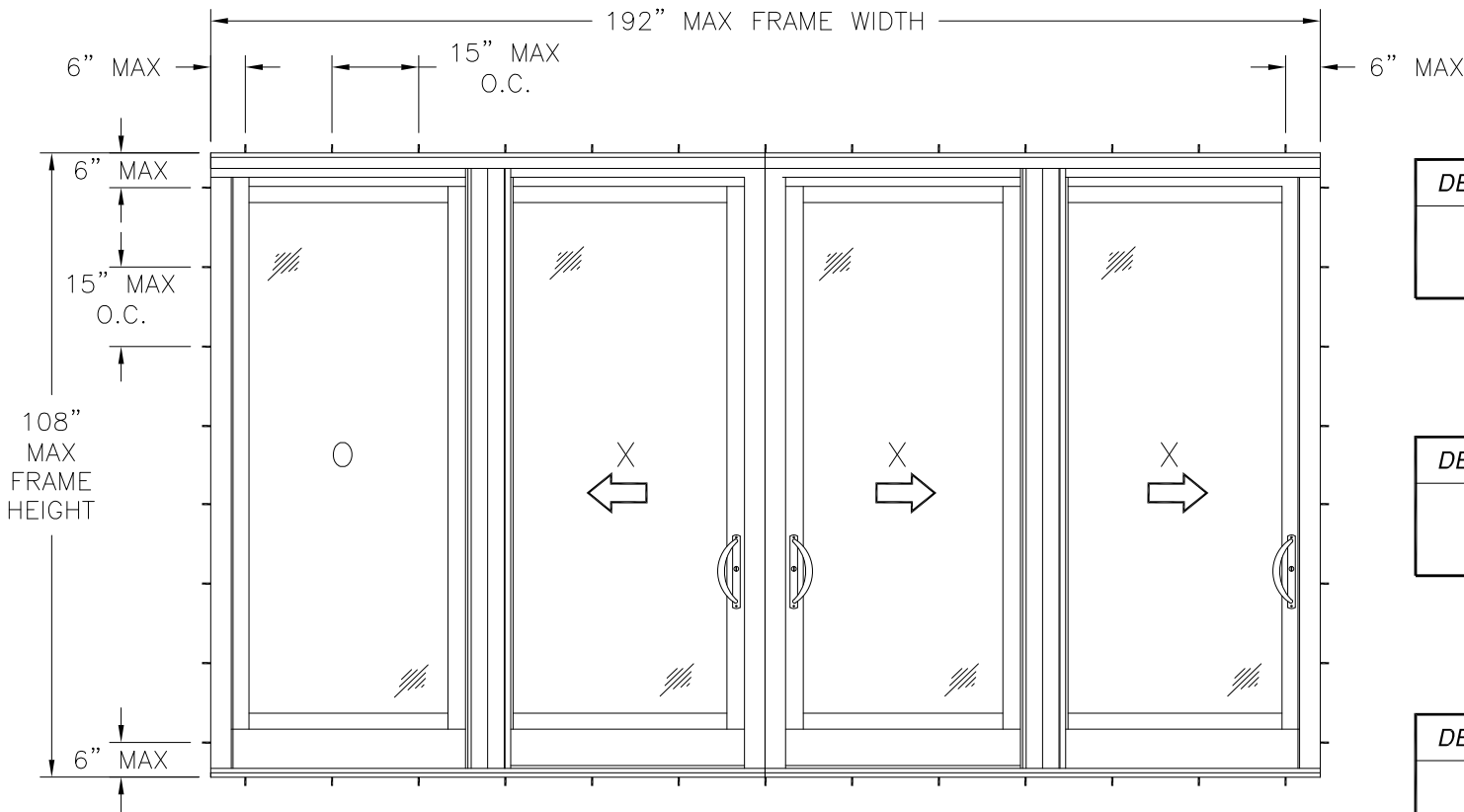


Luis R. Lomas P.E.
FL No.: 62514

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PLAN VIEW



SERIES FD8100 ALUMINUM SLIDING GLASS DOOR

EXTERIOR VIEW

UNITS UP TO 4 PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED AS LONG AS
INDIVIDUAL PANEL AREA DOES NOT EXCEED 36.6 FT²

WITH 1.675" SILL RISER	
DESIGN PRESSURE RATING	IMPACT RATING
+40.0/-110.0PSF	LARGE AND SMALL MISSILE IMPACT

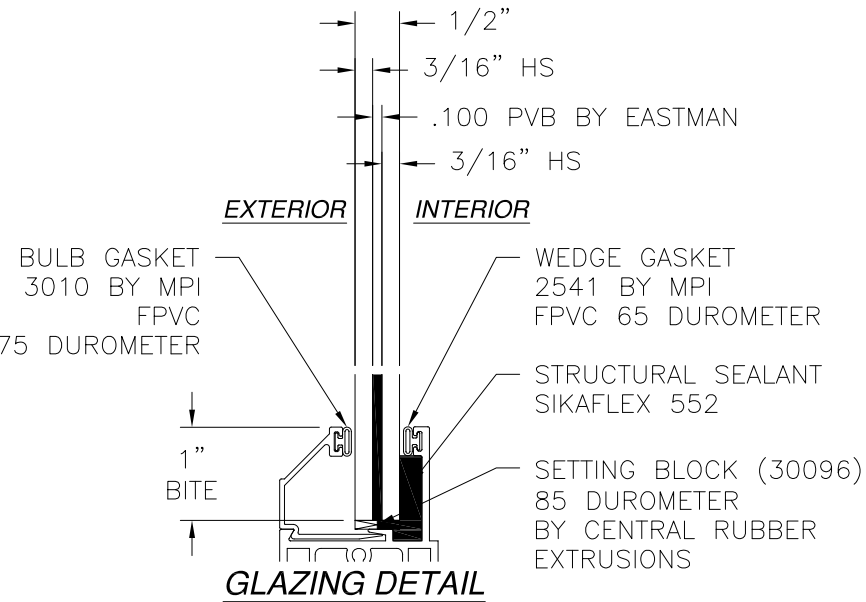
MISSILE LEVEL D, WIND ZONE 4 & HVHZ

WITH 2.675" SILL RISER	
DESIGN PRESSURE RATING	IMPACT RATING
+70.0/-90.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 & HVHZ

WITH 3.675" SILL RISER	
DESIGN PRESSURE RATING	IMPACT RATING
+100.0/-110.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 & HVHZ

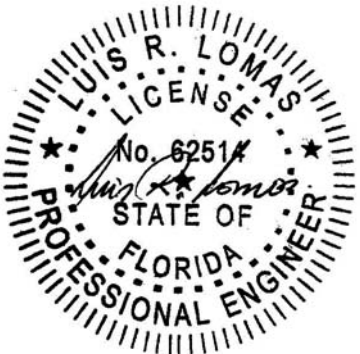


- NOTES:
- (1) 1" X 3/16" WEEP SLOT 6" FROM EACH END, AND 48" ON CENTER THROUGH VERTICAL SILL LEG EXCEPT MOST INTERIOR SILL LEG.
 - PANEL SIZE: 49 1/2" X 106 1/2"
 - PANEL D.L.O.: 40 7/8" X 97 3/4"

HARDWARE SCHEDULE	
A.	(1) ADJUSTABLE TANDEM WHEEL ROLLER ASSEMBLY AT EACH END OF EACH PANEL
B.	(2) 2-POINT MORTISE TYPE LOCKS ON LOCK STILE
C.	(2) MULTI-POINT KEEPERS AT JAMBS AND ASTRAGAL AT LOCK POSITIONS
D.	(1) EXTRUDED ALUMINUM REINFORCEMENT TYPE H AT EACH PANEL INTERLOCK STILE
E.	(1) EXTRUDED ALUMINUM REINFORCEMENT "U" SHAPE AT BUTT STILE

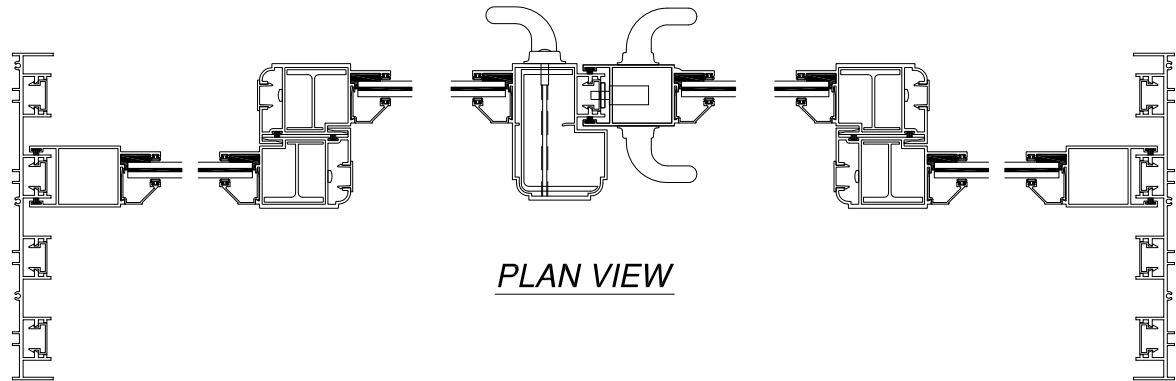
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SERIES FD8100 ALUMINUM SLIDING GLASS DOOR IMPACT ELEVATION			
DRAWN: V.L.		DWG NO. 08-02673	REV A
SCALE NTS	DATE 03/30/15	SHEET 2 OF 12	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com			

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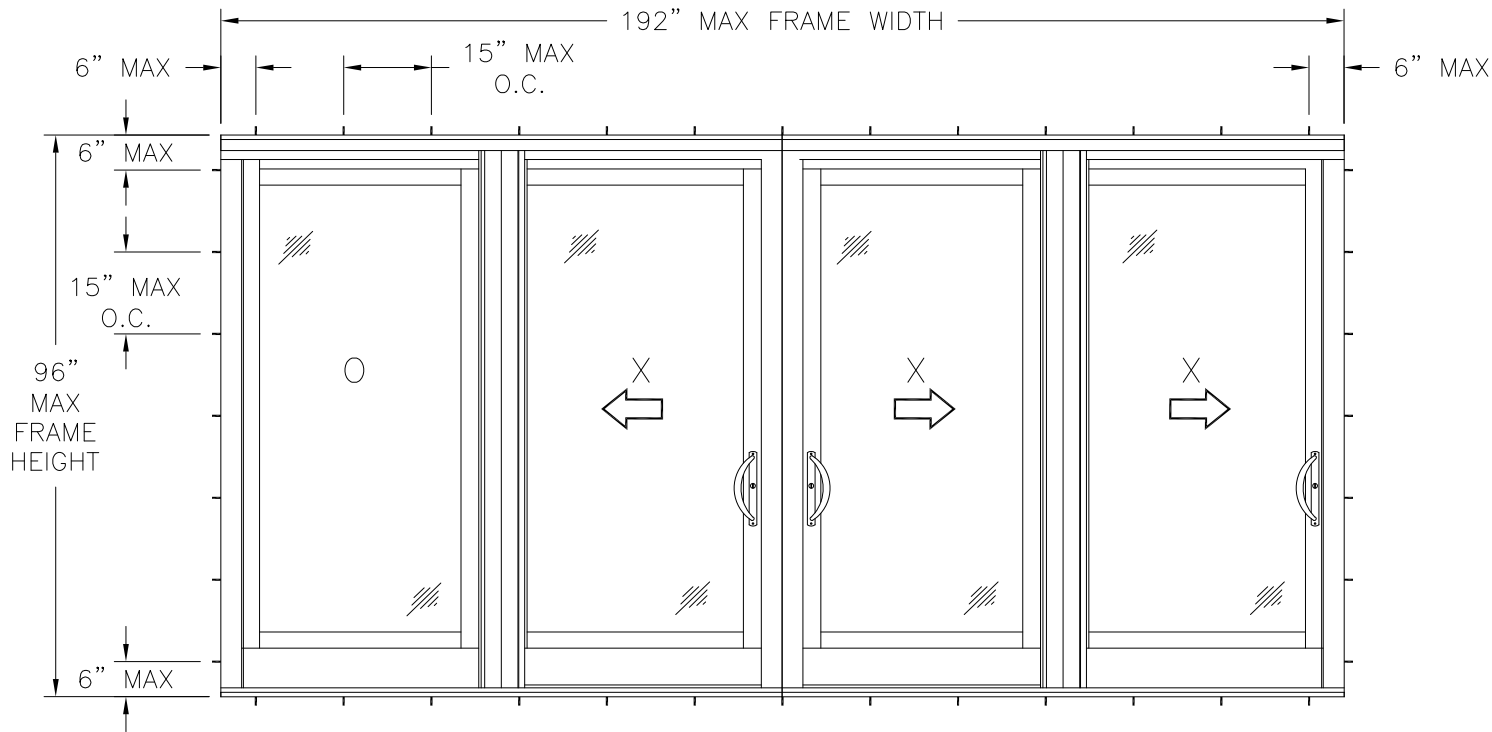


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MISSILE LEVEL D, WIND ZONE 4 & HVHZ

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED

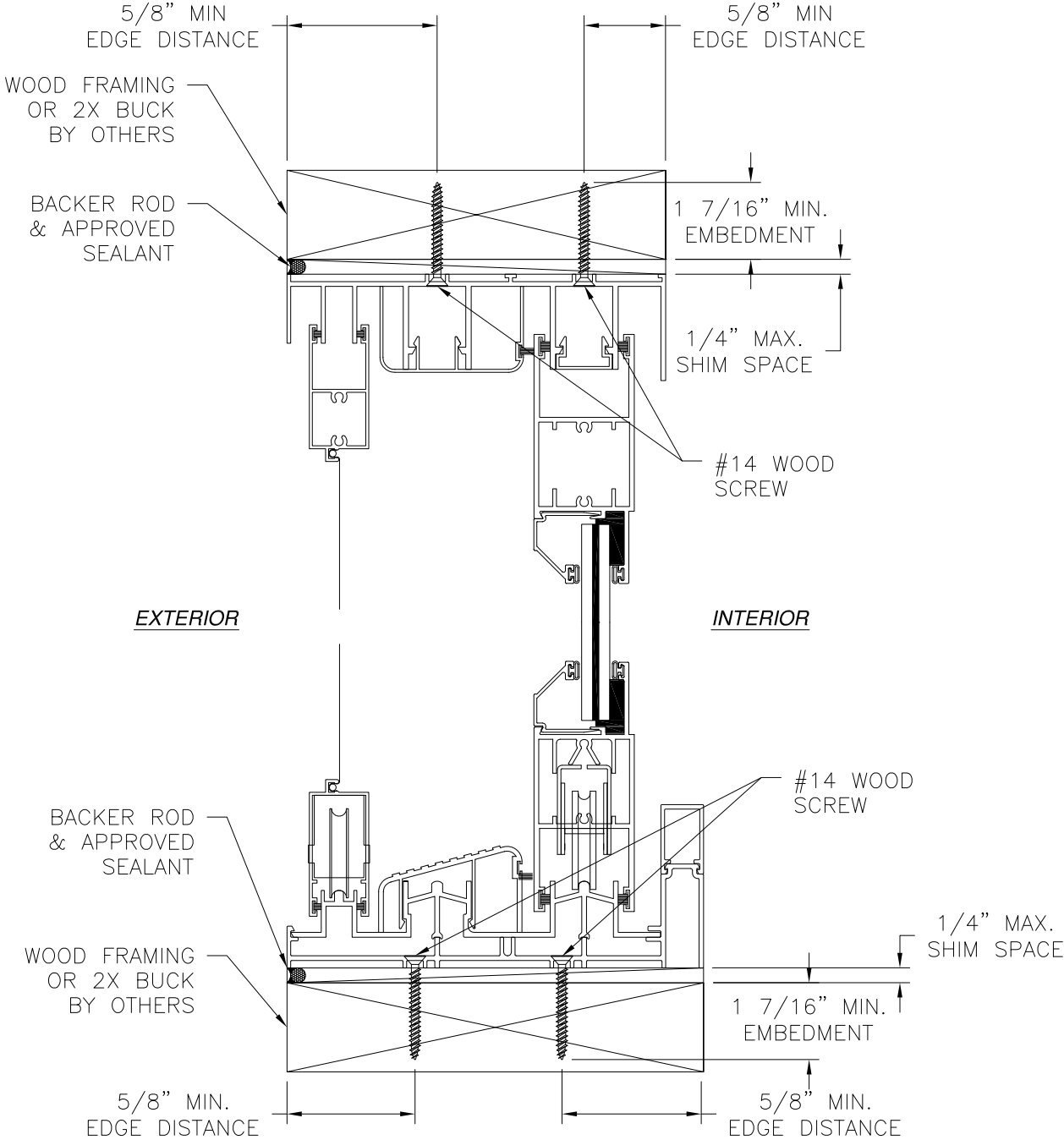
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DRAWN: V.L.		DWG NO. 08-02673	REV A
SCALE NTS	DATE 03/30/15	SHEET 3 OF 12	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com			

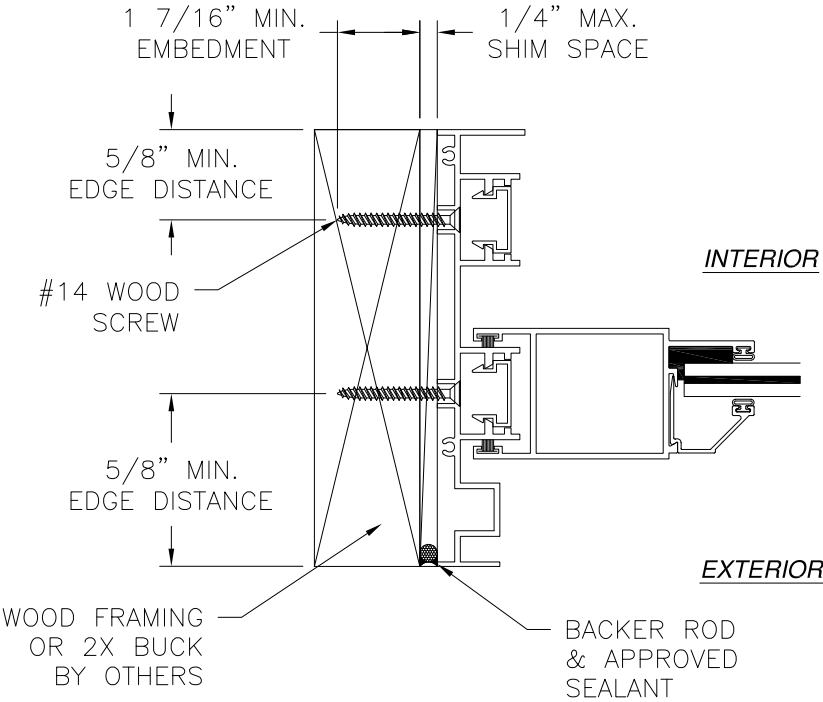


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK 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



Eastern
ARCHITECTURAL SYSTEMS
ALUMINUM AND VINYL
IMPACT WINDOWS AND DOORS

EASTERN ARCHITECTURAL SYSTEMS
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800-432-2204

SERIES FD8100

ALUMINUM SLIDING GLASS DOOR IMPACT

2 TRACK INSTALLATION DETAILS

DRAWN:

DWG NO.

REV

V.L.

08-02673

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SCALE

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SHEET

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03/30/15

4 OF 12

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1432 WOODFORD RD LEWISVILLE, NC 27023

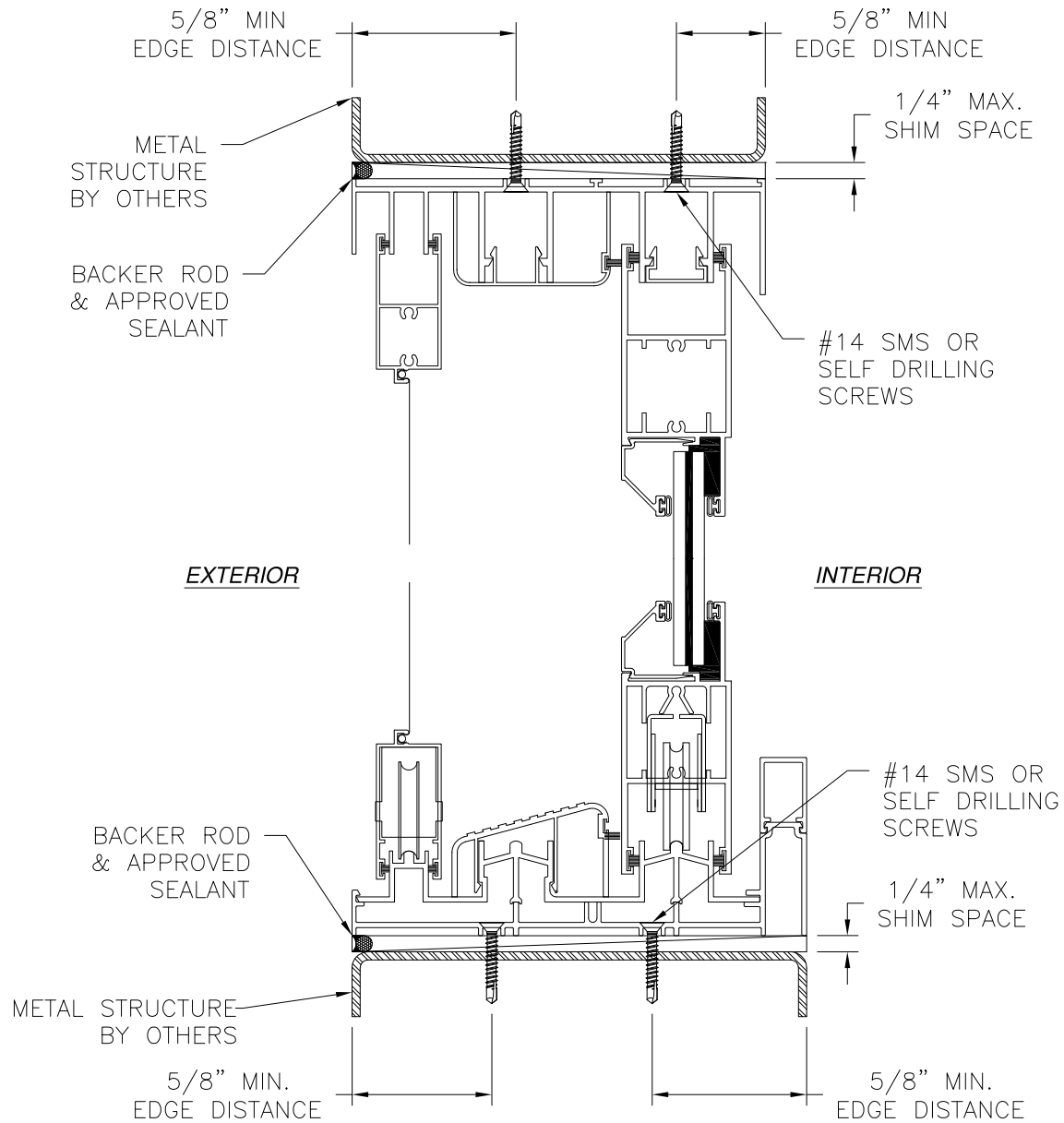
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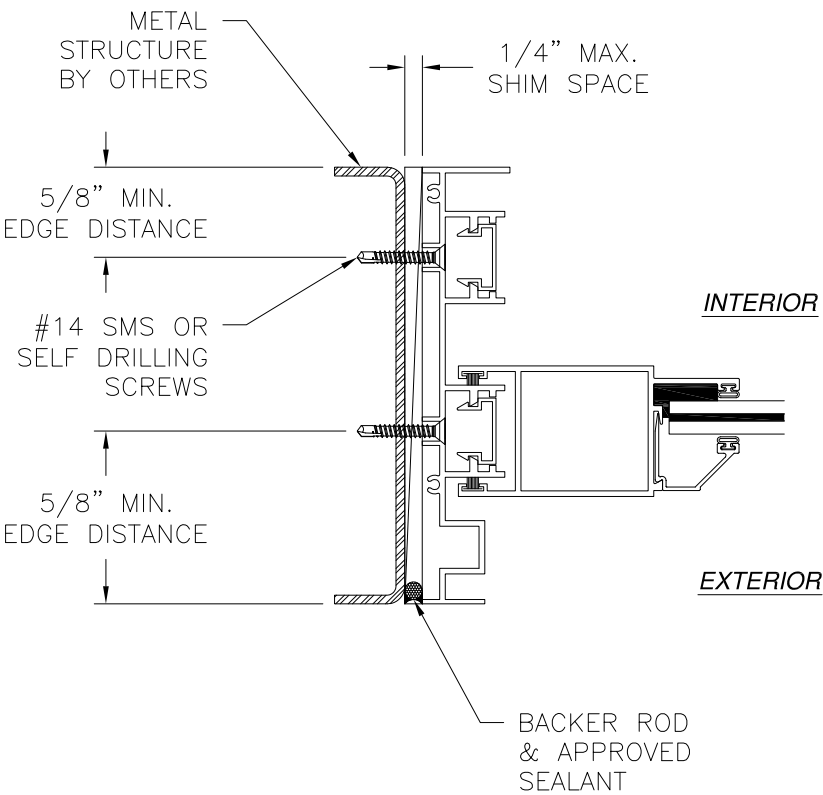


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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A DIVISION OF

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800-432-2204

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ALUMINUM SLIDING GLASS DOOR IMPACT

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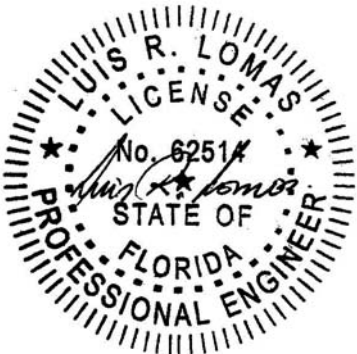
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SHEET 5 OF 12

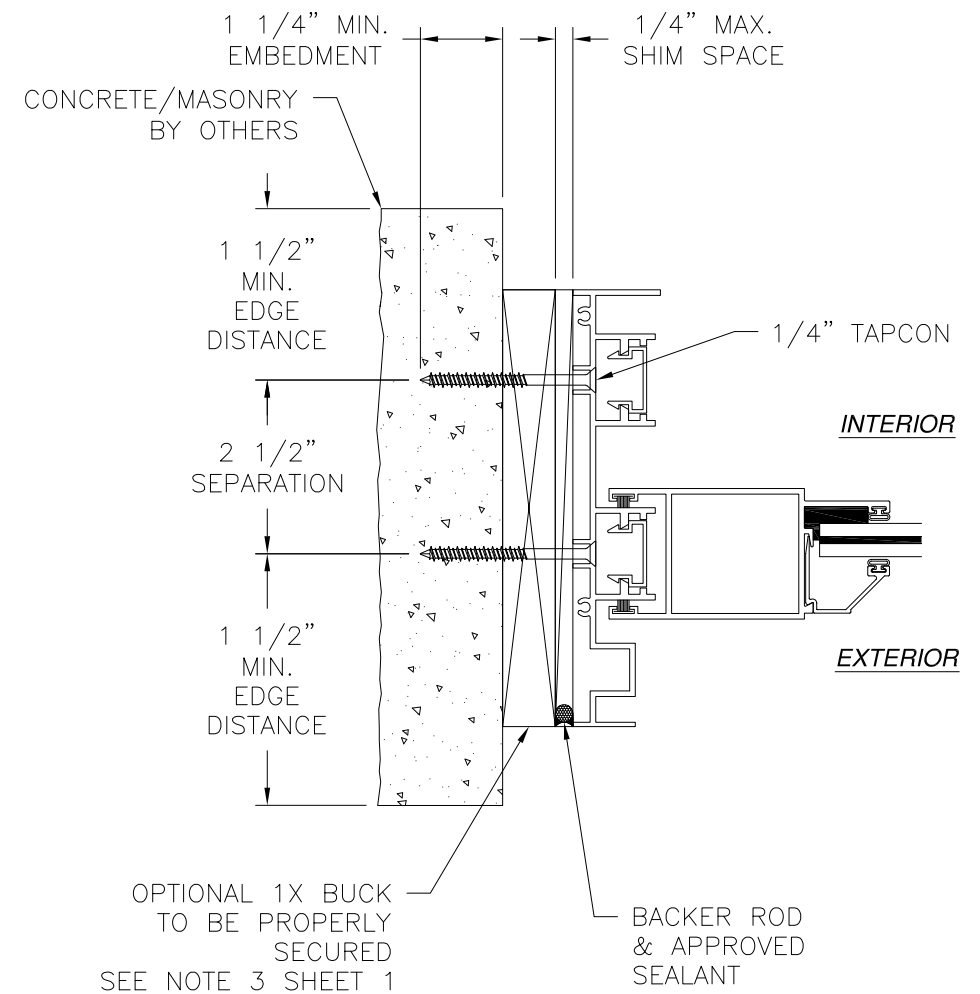
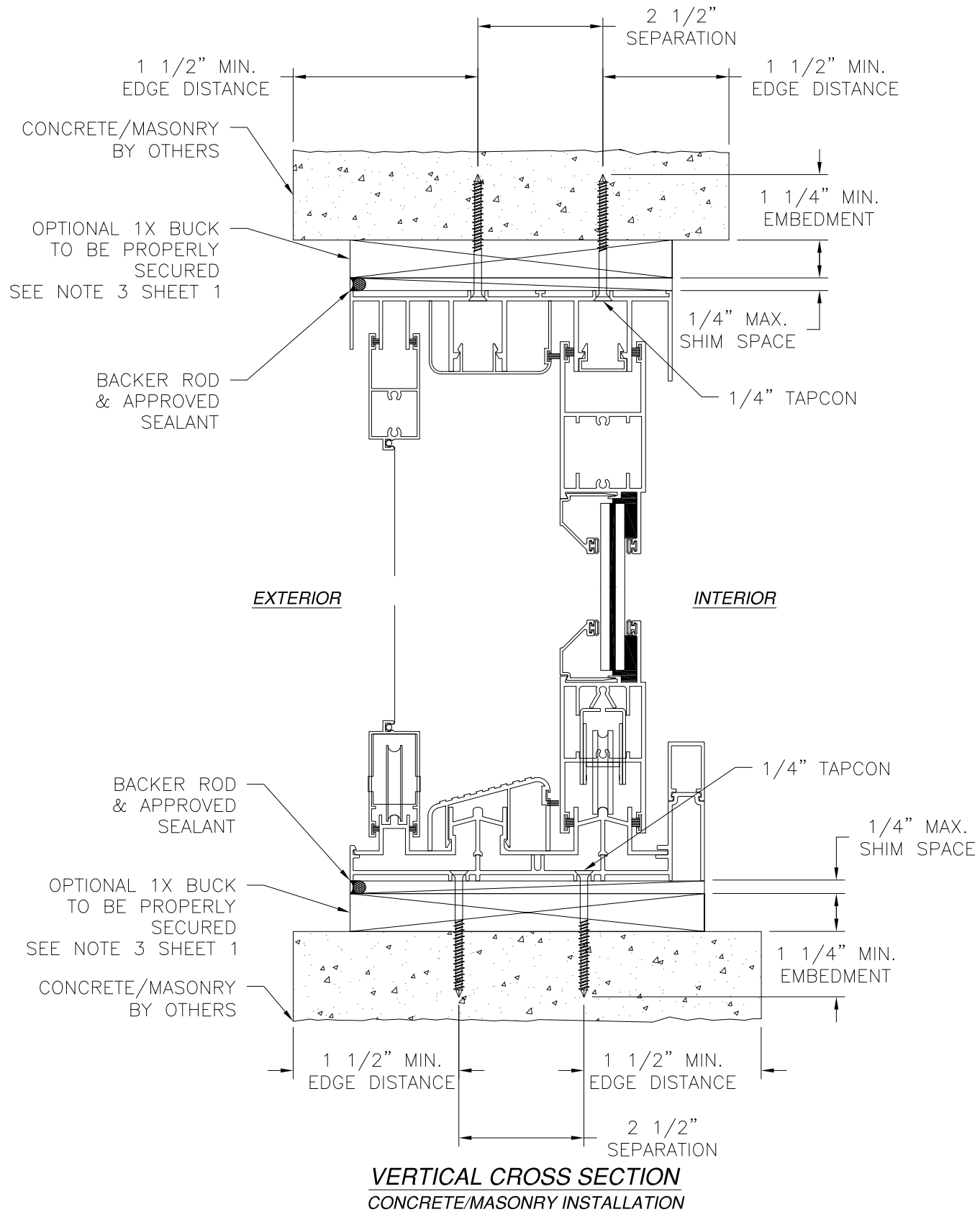
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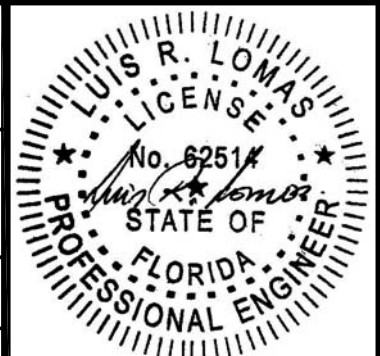
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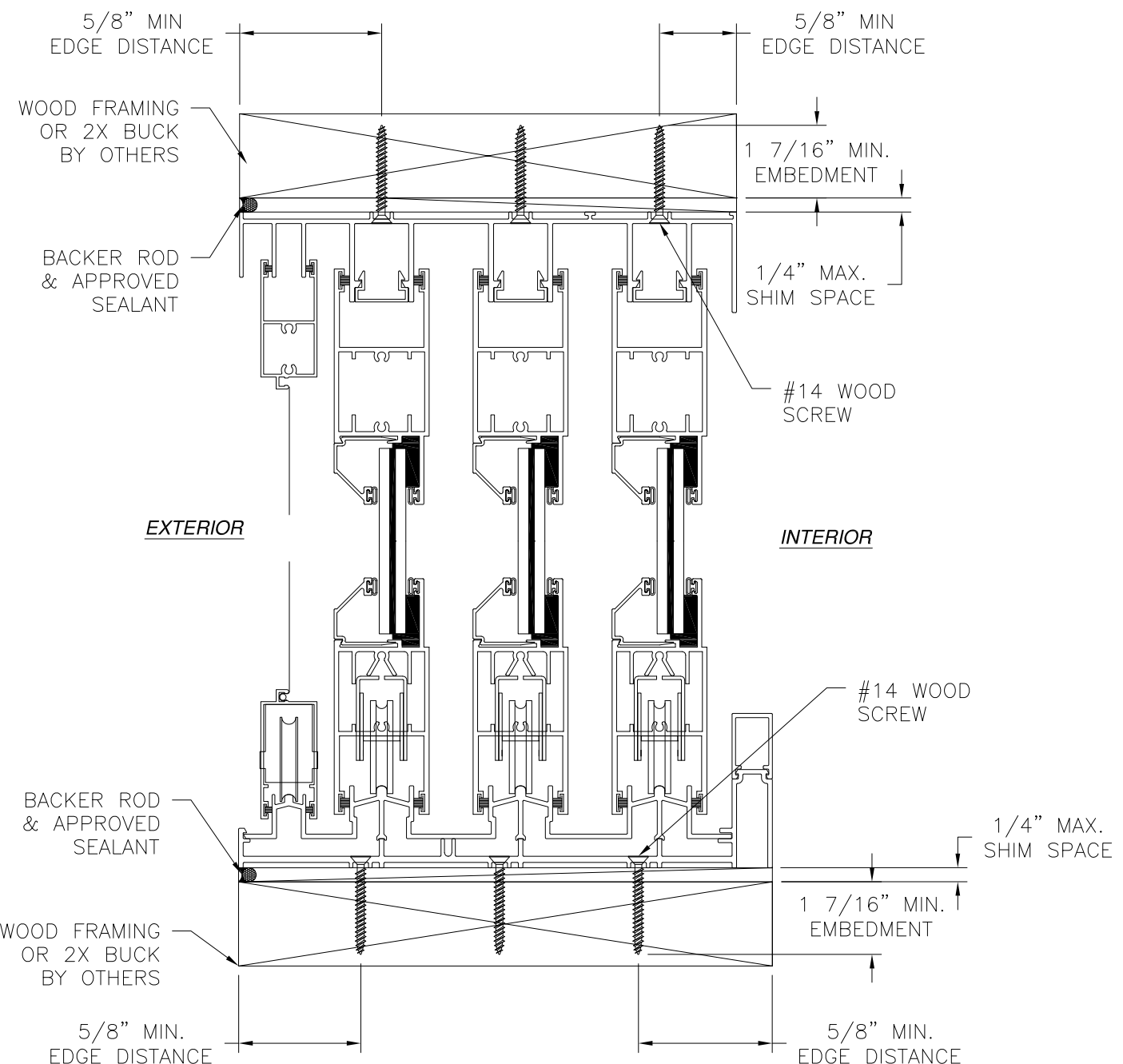
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<p align="center">SERIES FD8100 ALUMINUM SLIDING GLASS DOOR IMPACT 2 TRACK INSTALLATION DETAILS</p>					
DRAWN: V.L.		DWG NO. 08-02673		REV A	
SCALE NTS		DATE 03/30/15		SHEET 6 OF 12	
<p align="center">L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com</p>					

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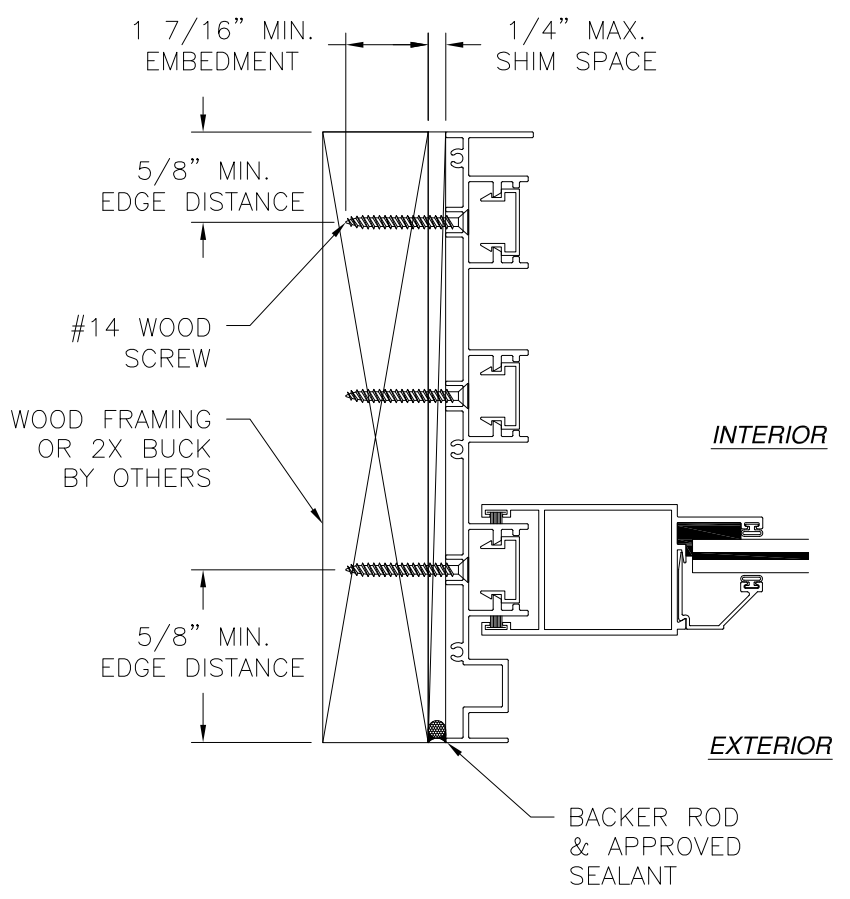


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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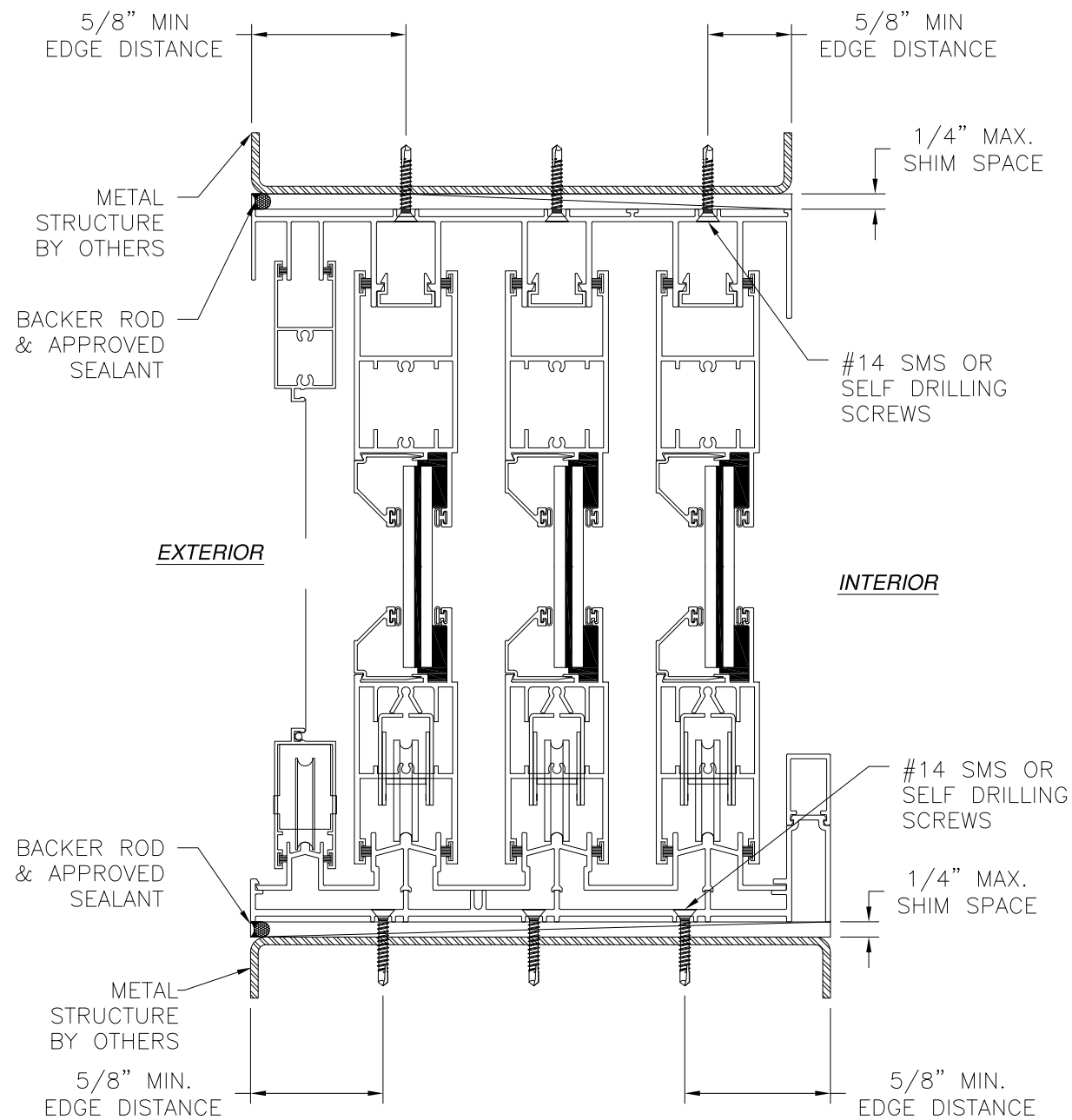
SERIES FD8100
ALUMINUM SLIDING GLASS DOOR IMPACT
3 TRACK INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-02673	REV A
SCALE NTS	DATE 03/30/15	SHEET 7 OF 12

L. ROBERTO LOMAS P.E.
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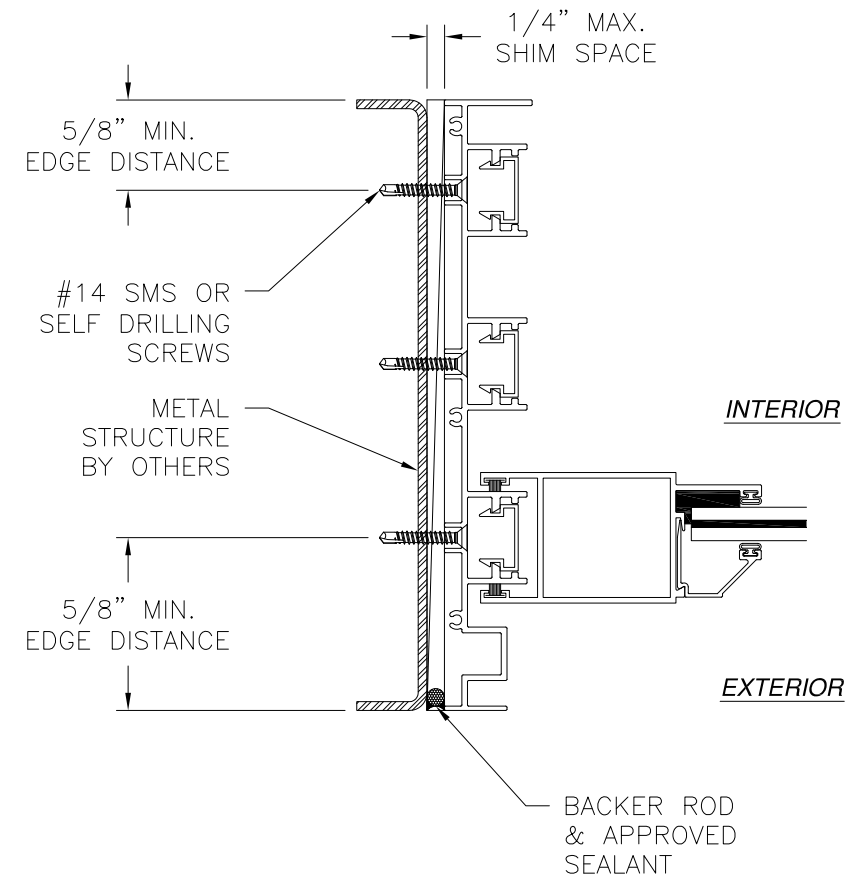


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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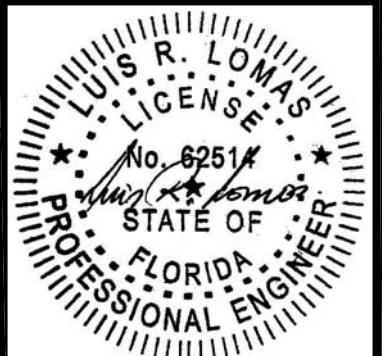


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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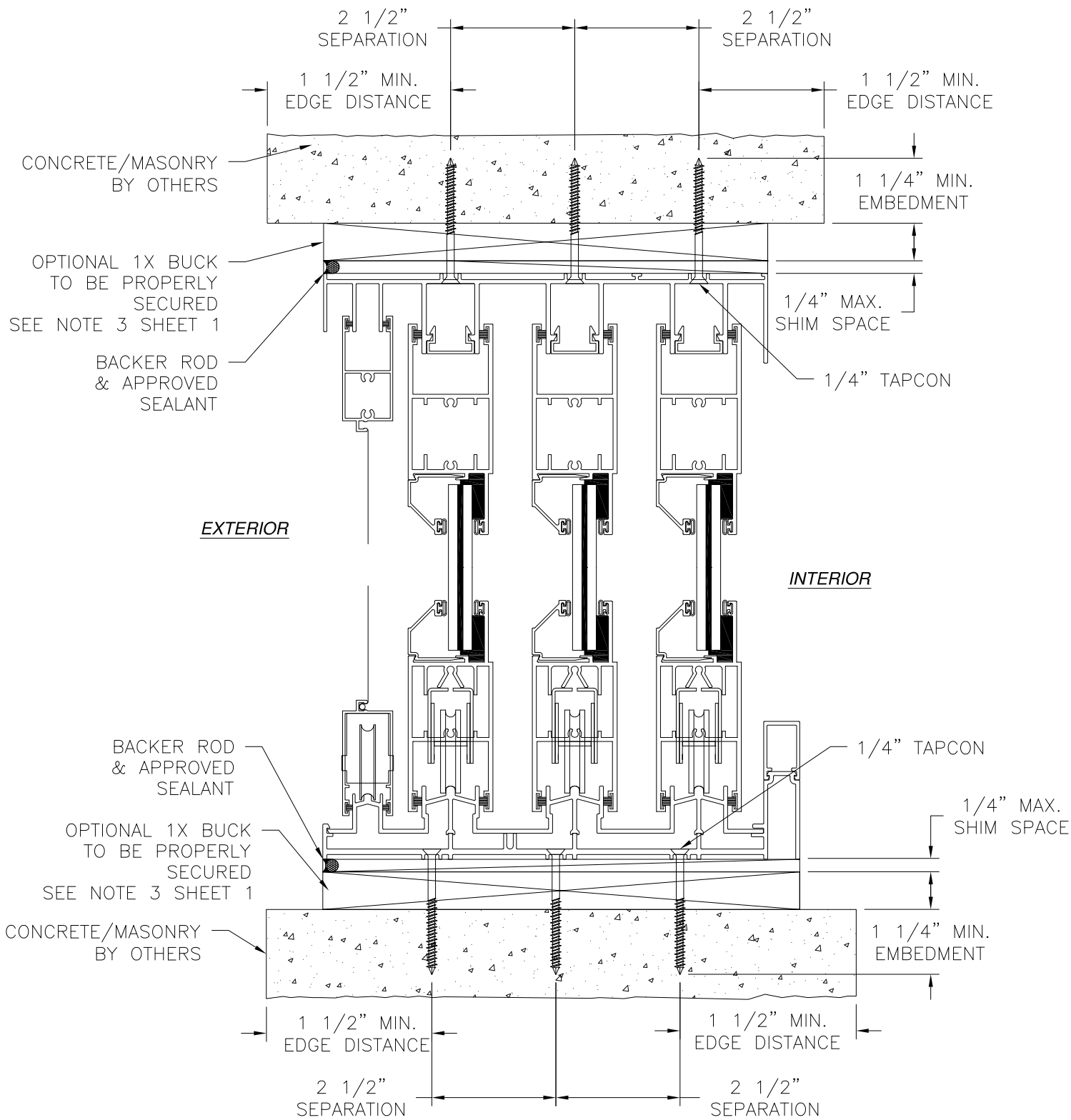
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<p align="center">SERIES FD8100 ALUMINUM SLIDING GLASS DOOR IMPACT 3 TRACK INSTALLATION DETAILS</p>					
DRAWN: V.L.		DWG NO. 08-02673		REV A	
SCALE NTS	DATE 03/30/15	SHEET 8 OF 12			
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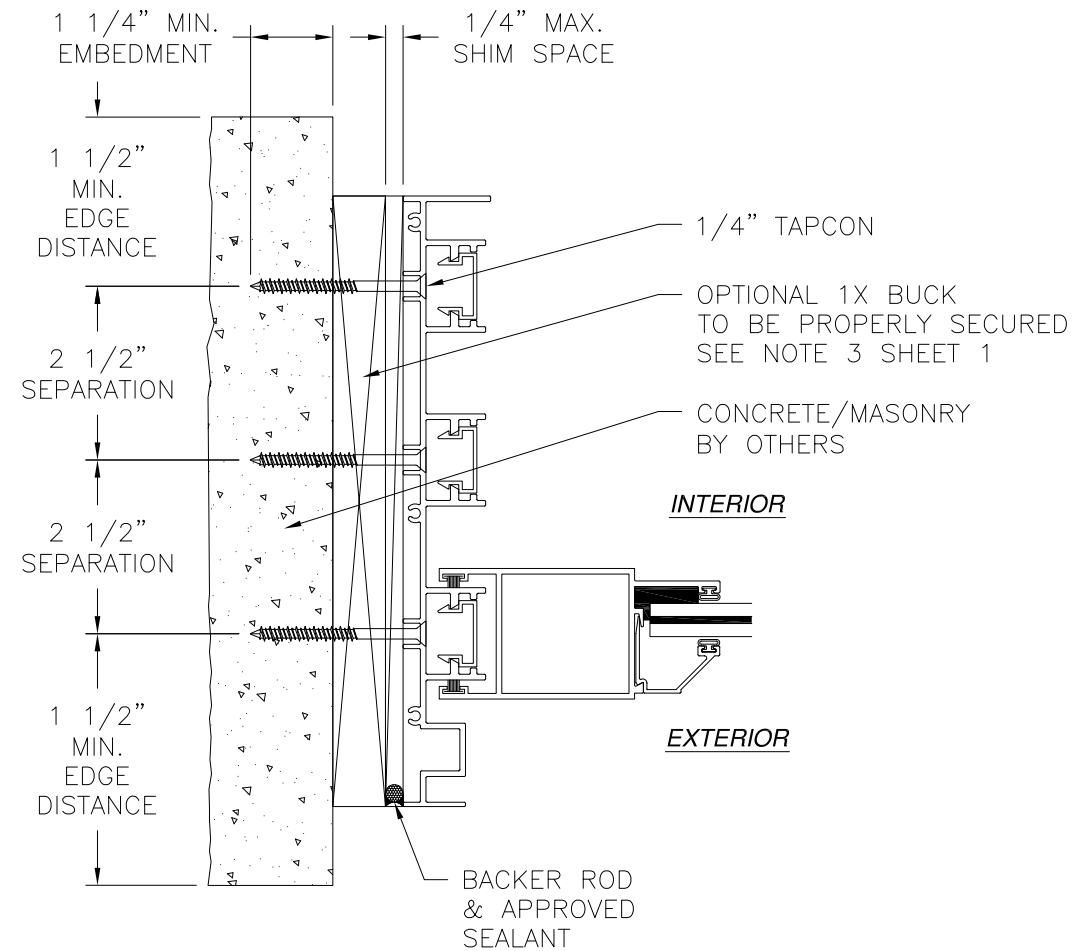


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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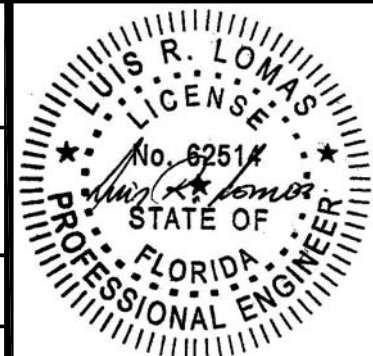


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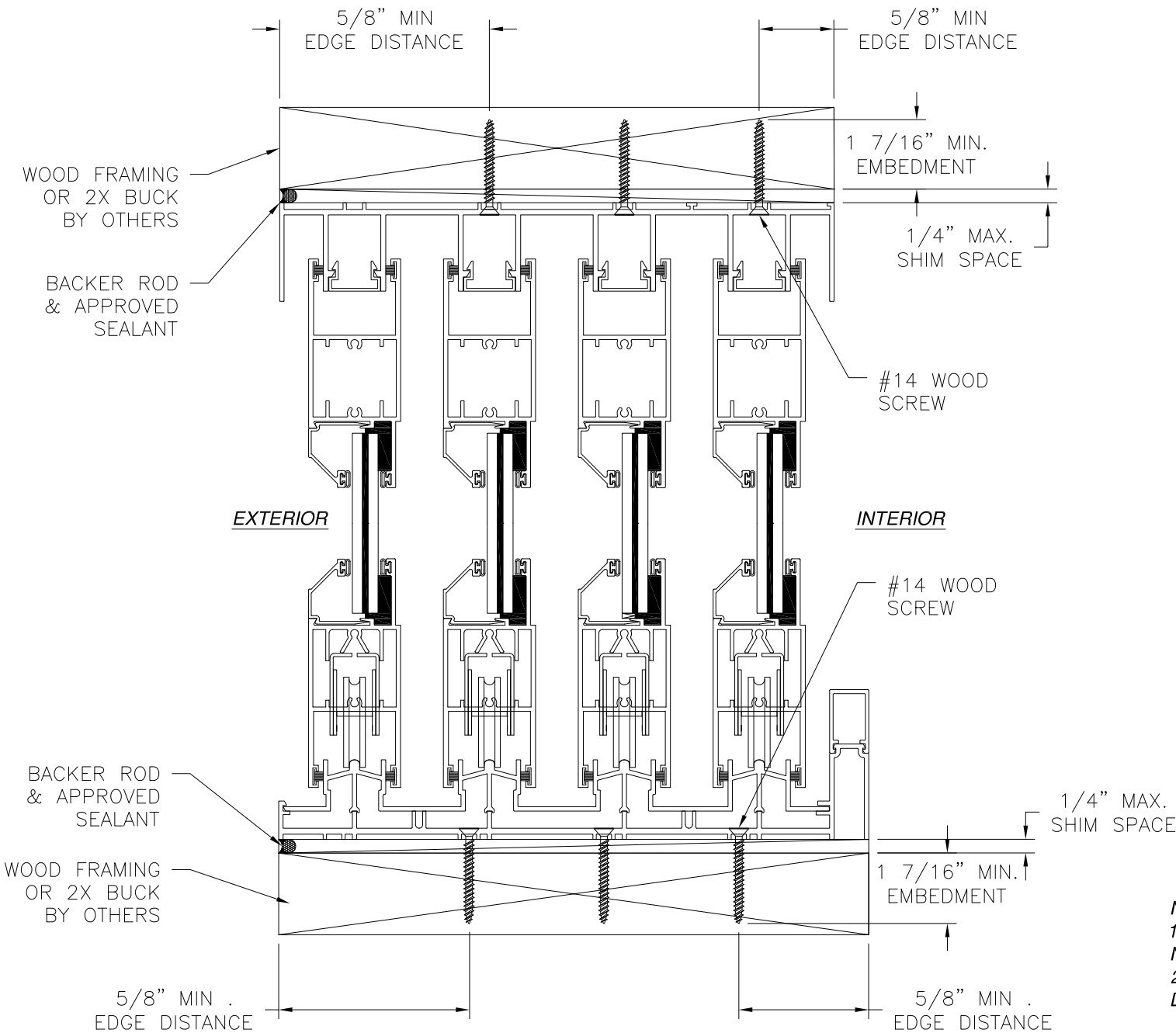
SERIES FD8100
ALUMINUM SLIDING GLASS DOOR IMPACT
3 TRACK INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-02673	REV A
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<p>L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com</p>		

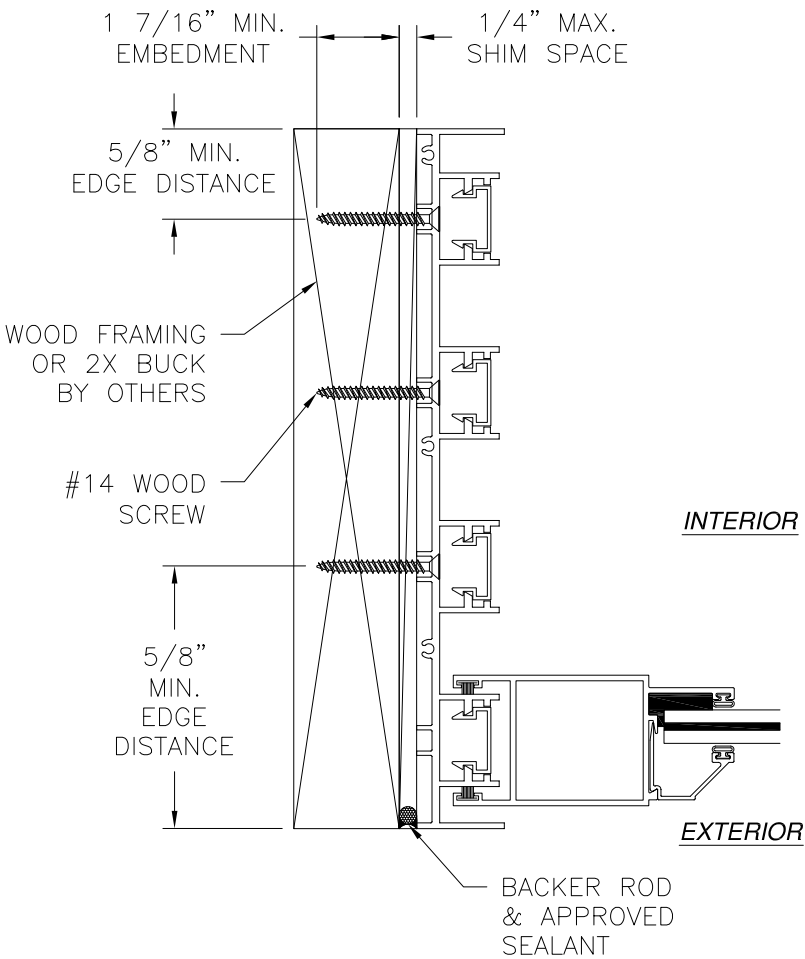


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WOOD FRAMING OR 2X BUCK INSTALLATION



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16341 DOMESTIC AVE

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800-432-2204

SERIES FD8100

ALUMINUM SLIDING GLASS DOOR IMPACT

4 TRACK INSTALLATION DETAILS

DRAWN: V.L.

DWG NO. 08-02673

REV A

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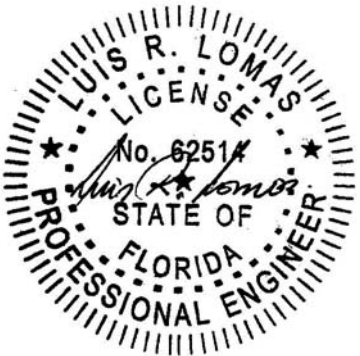
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SHEET 10 OF 12

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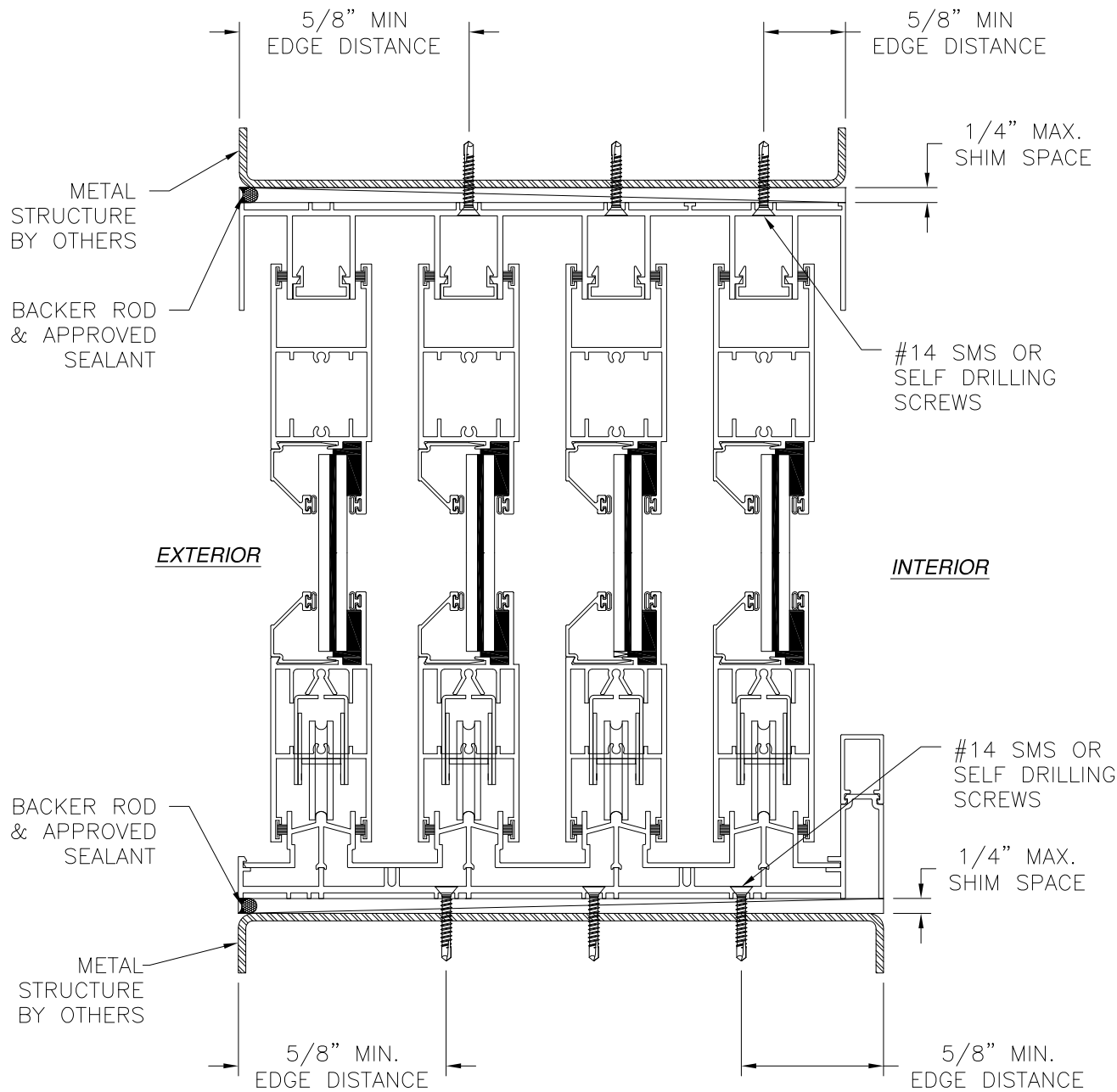
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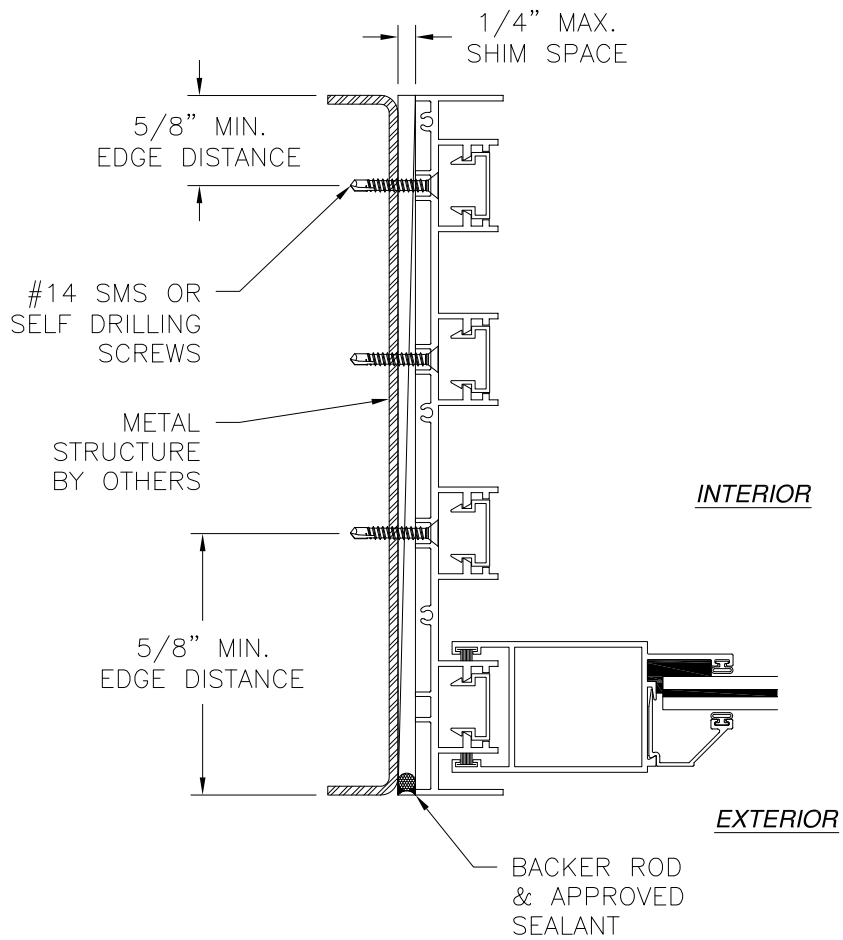


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



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ALUMINUM SLIDING GLASS DOOR IMPACT

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DRAWN:	DWG NO.	REV
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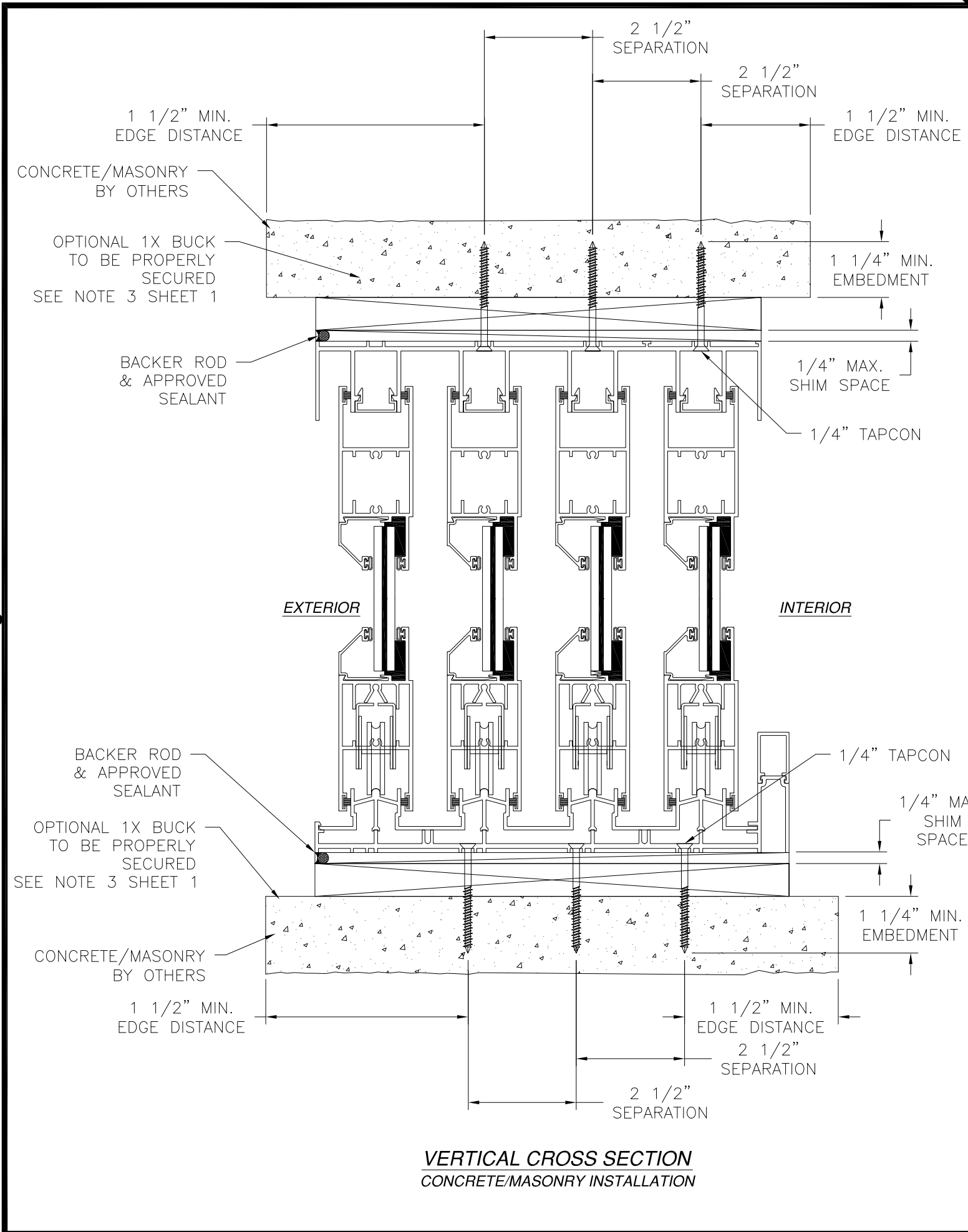
L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

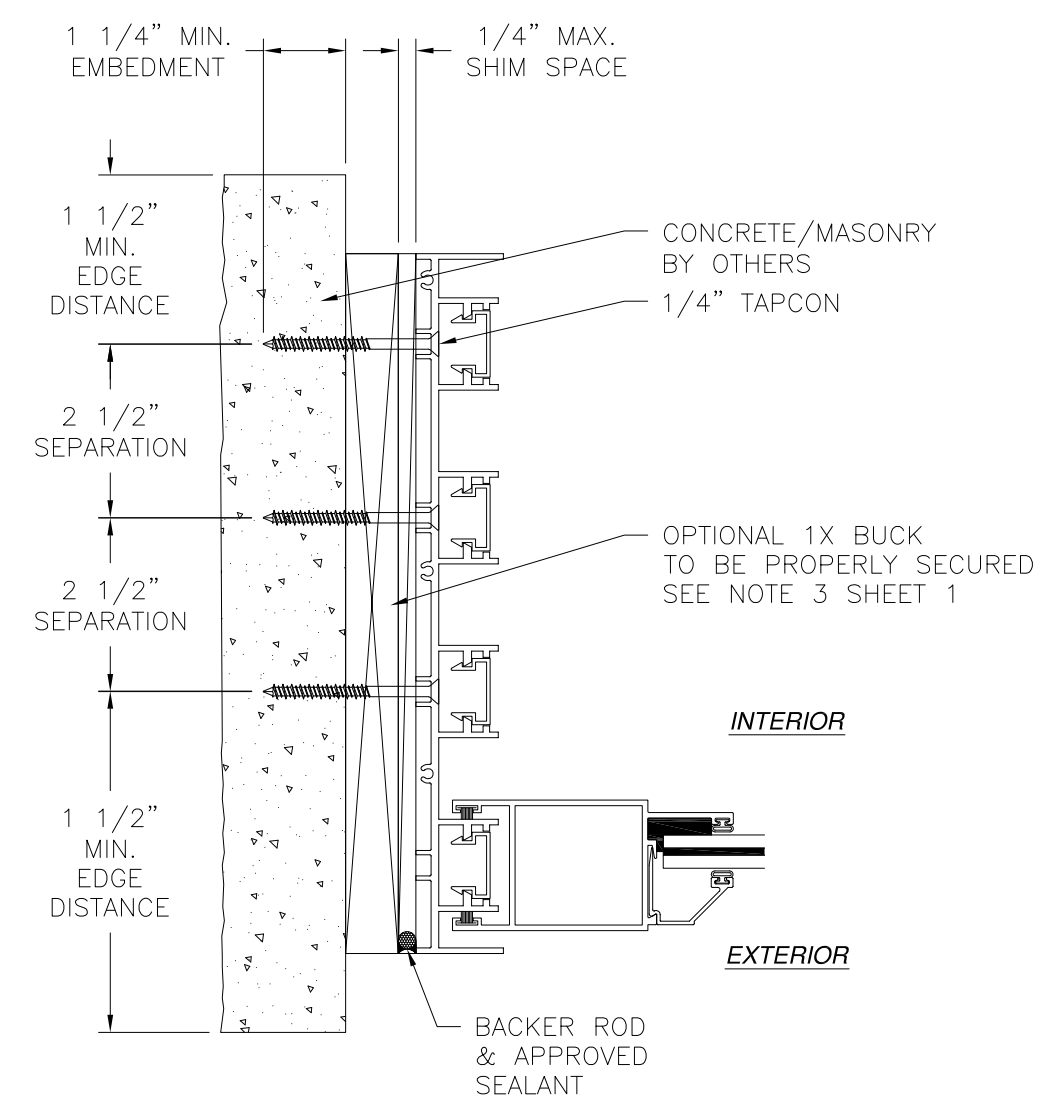
434-688-0609 rllomas@lrlomaspe.com



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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	01/09/18	R.L.



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: 01/09/2018

Eastern
ARCHITECTURAL SYSTEMS
ALUMINUM AND VINYL
IMPACT WINDOWS AND DOORS

EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY
16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

SERIES FD8100
ALUMINUM SLIDING GLASS DOOR IMPACT
4 TRACK INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-02673	REV A
SCALE NTS	DATE 03/30/15	SHEET 12 OF 12

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