


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	01/09/18	R.L.
B	ADD GLAZING DETAIL B	08/29/19	R.L.

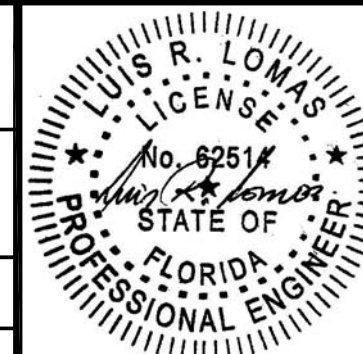
NOTES:

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 E1300-04/09, 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

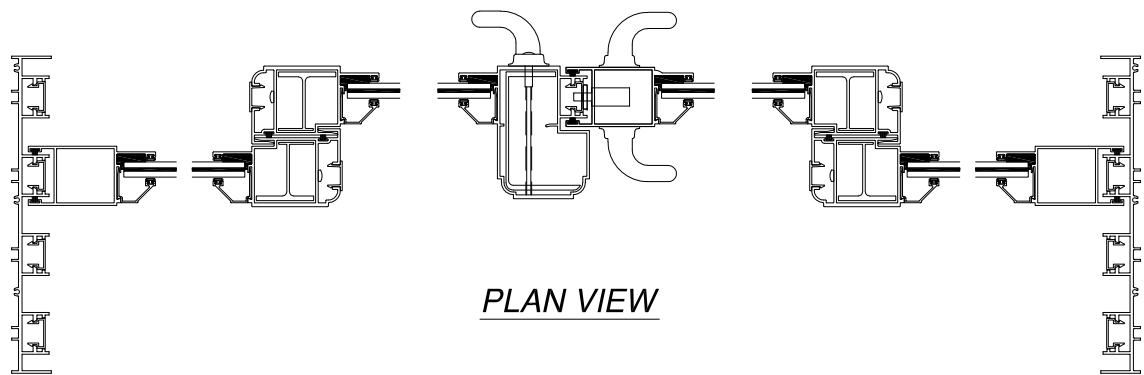
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SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION AND GLAZING DETAILS
3 - 12	INSTALLATION DETAILS

		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	
SCALE NTS		DATE 03/30/15	SHEET 1 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com			

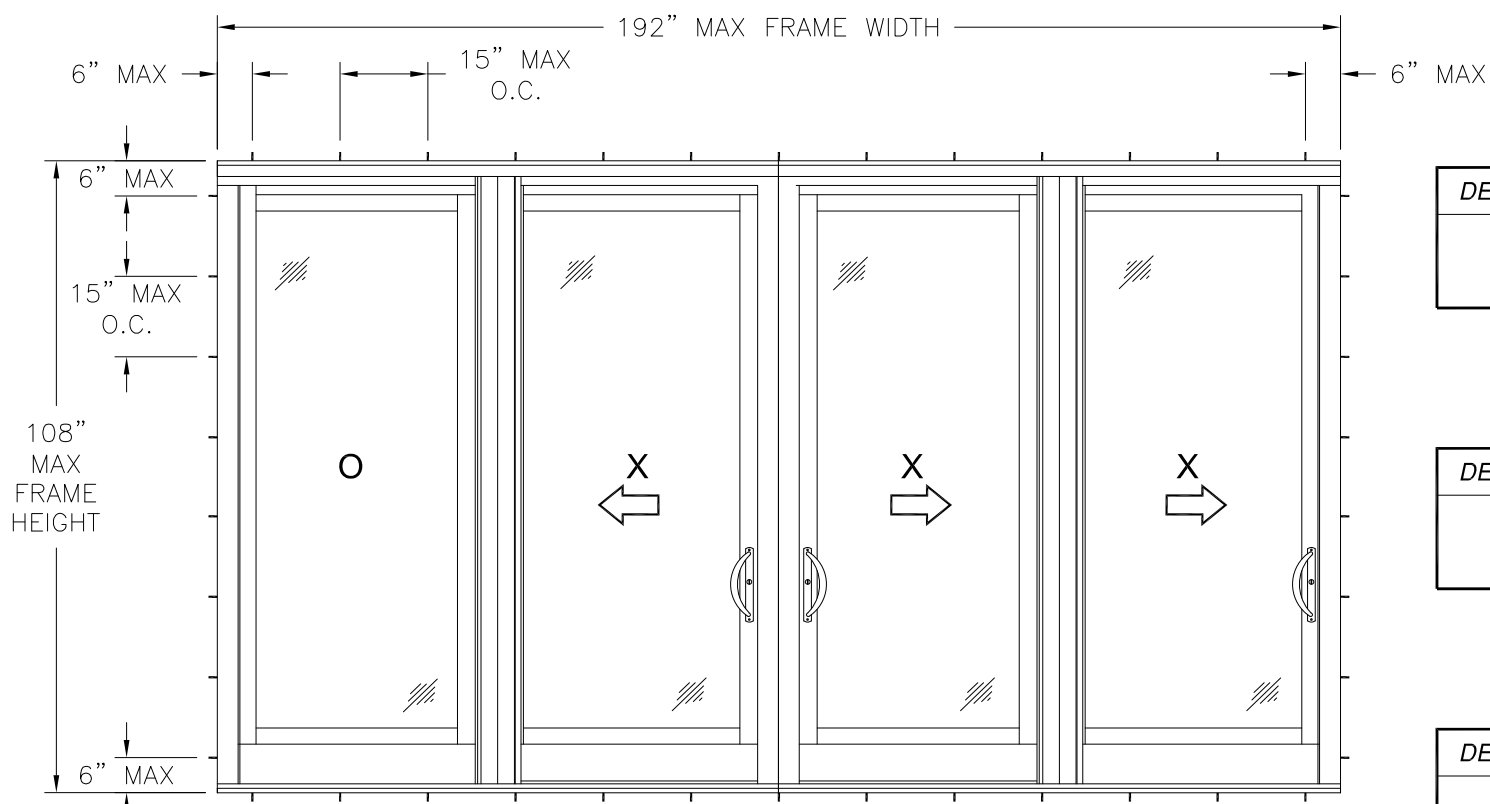
SIGNED: 08/29/2019



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



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

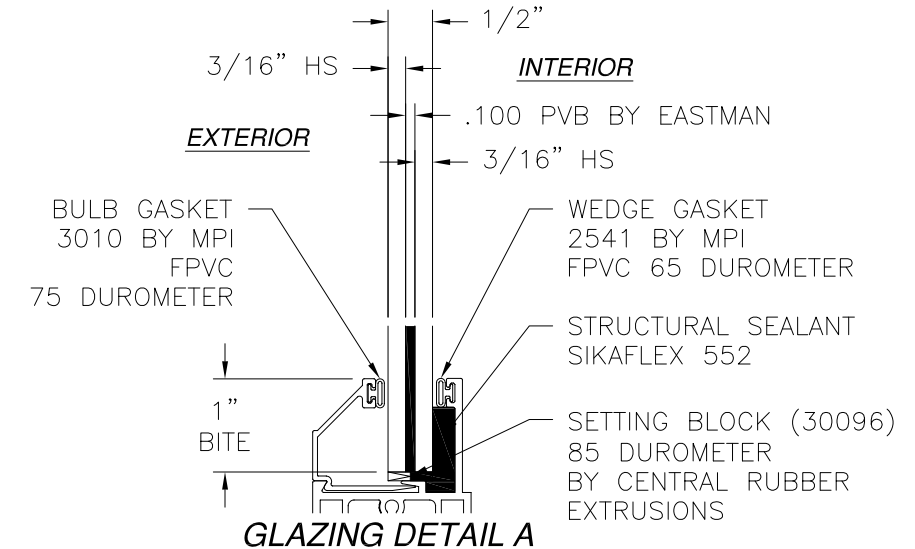
NOTES:

- (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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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

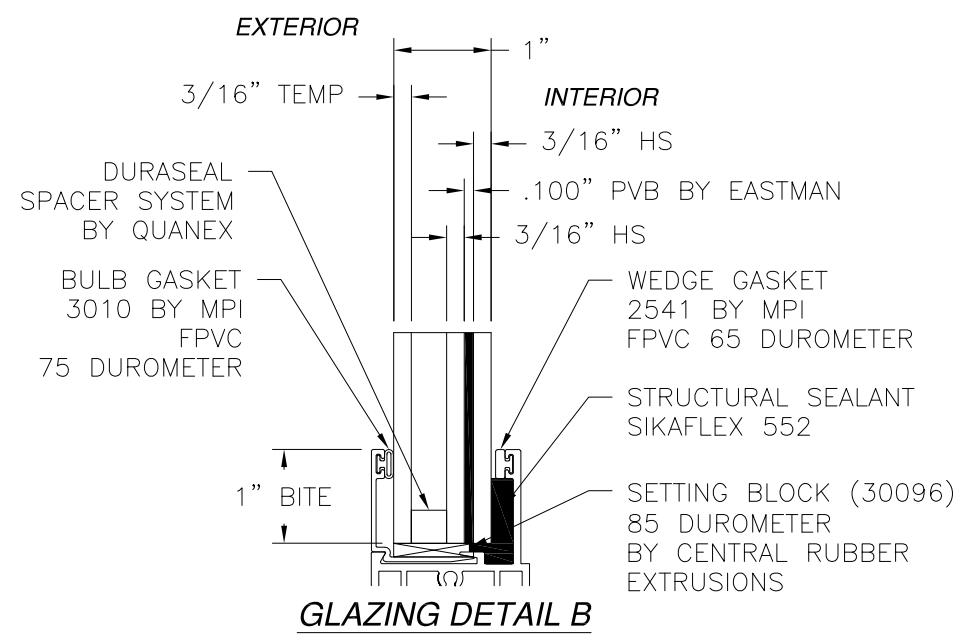
DESIGN PRESSURE RATING	IMPACT RATING
+70.0/-90.0PSF	LARGE AND SMALL MISSILE IMPACT

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



SIGNED: 08/29/2019

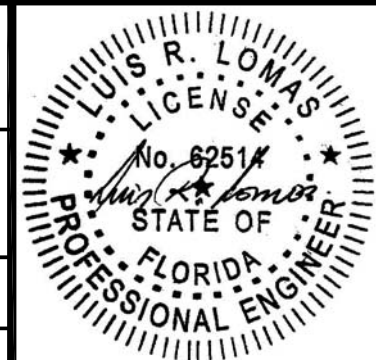


EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY
16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

**SERIES FD8100
ALUMINUM SLIDING GLASS DOOR IMPACT
ELEVATION AND GLAZING DETAIL**

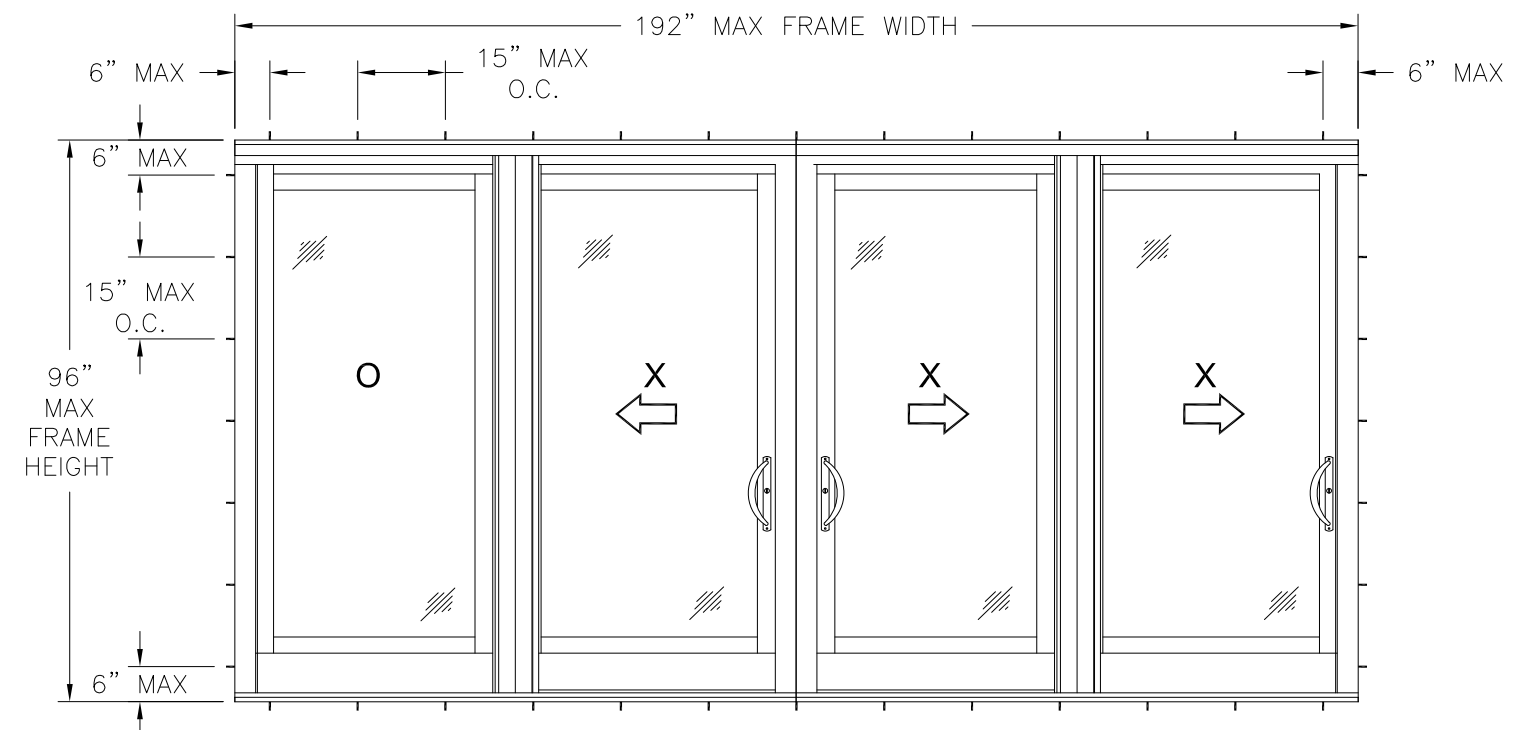
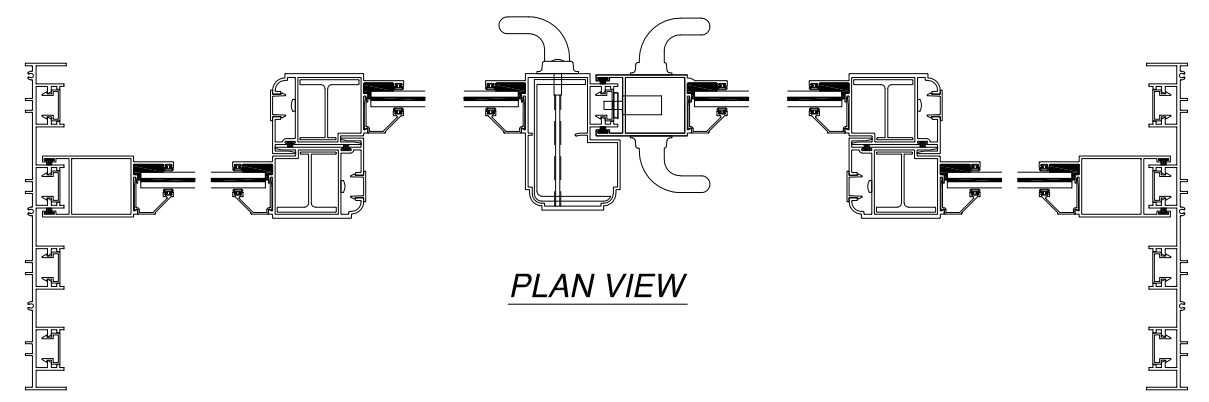
DRAWN: V.L.	DWG NO. 08-02673	REV B
SCALE NTS	DATE 03/30/15	SHEET 2 OF 12

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



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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 31.98 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

DESIGN PRESSURE RATING	IMPACT RATING
±110.0PSF	LARGE AND SMALL MISSILE IMPACT

*MISSILE LEVEL D, WIND ZONE 4 & HVHZ
WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED*

- 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.
 - MAXIMUM PANEL SIZE: 49" X 94"
 - MAXIMUM D.L.O.: 40 7/8" X 85 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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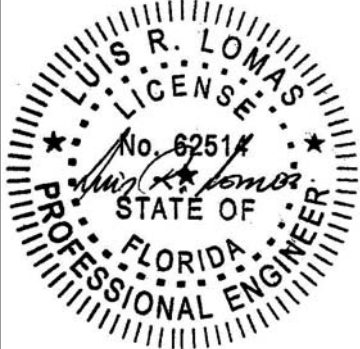
Eastern
ARCHITECTURAL SYSTEMS
ALUMINUM AND VINYL
IMPACT WINDOWS AND DOORS

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
ELEVATION

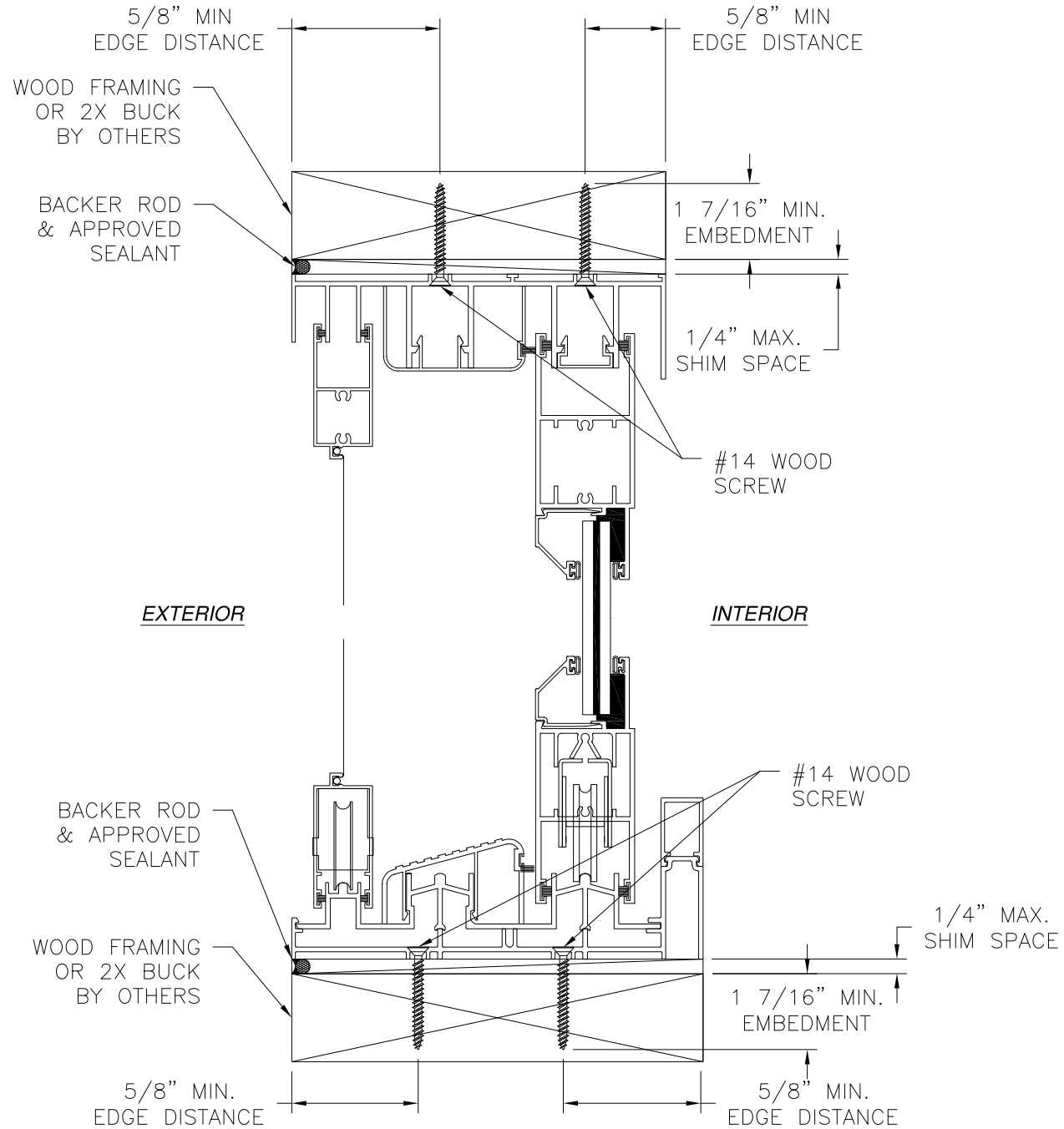
DRAWN: V.L.	DWG NO. 08-02673	REV B
SCALE NTS	DATE 03/30/15	SHEET 3 OF 12

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

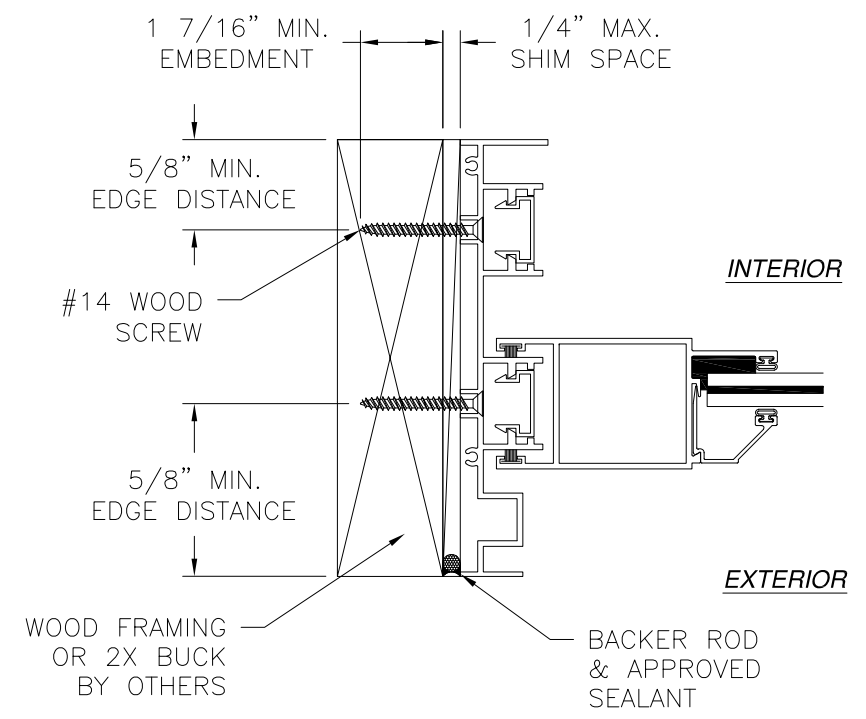


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

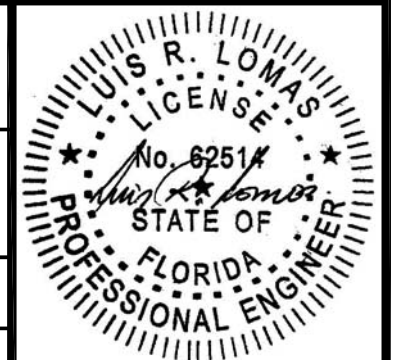


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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

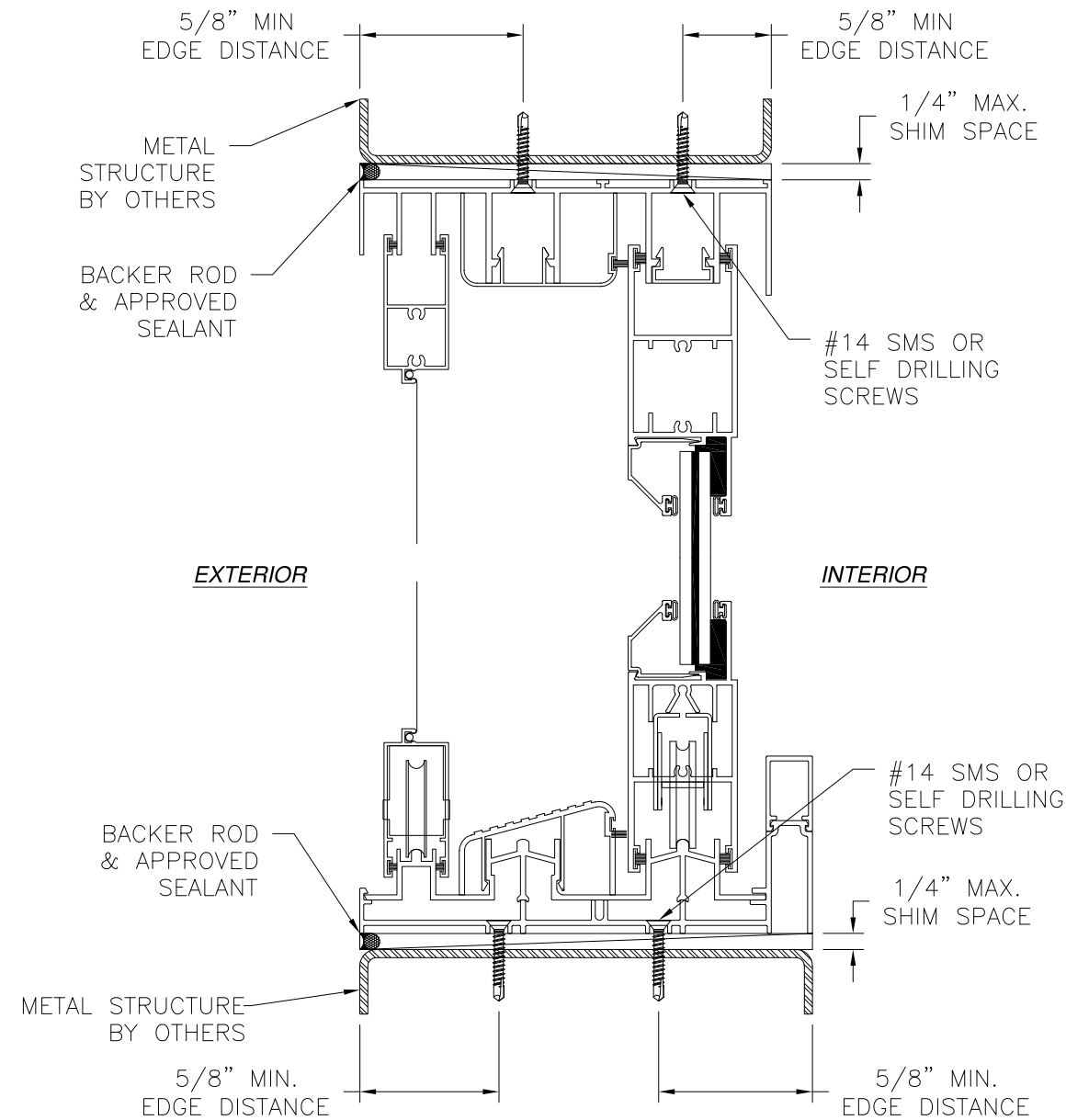
SIGNED: 08/29/2019

		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 2 TRACK INSTALLATION DETAILS			
DRAWN: V.L.	DWG NO. 08-02673	REV B	
SCALE NTS	DATE 03/30/15	SHEET 4 OF 12	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com			

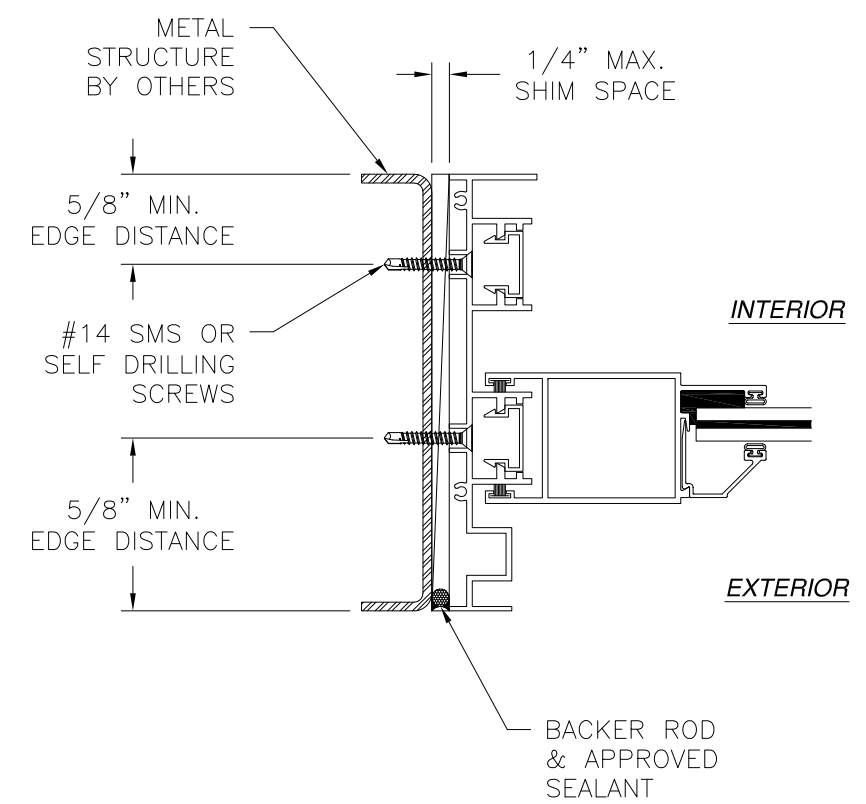


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

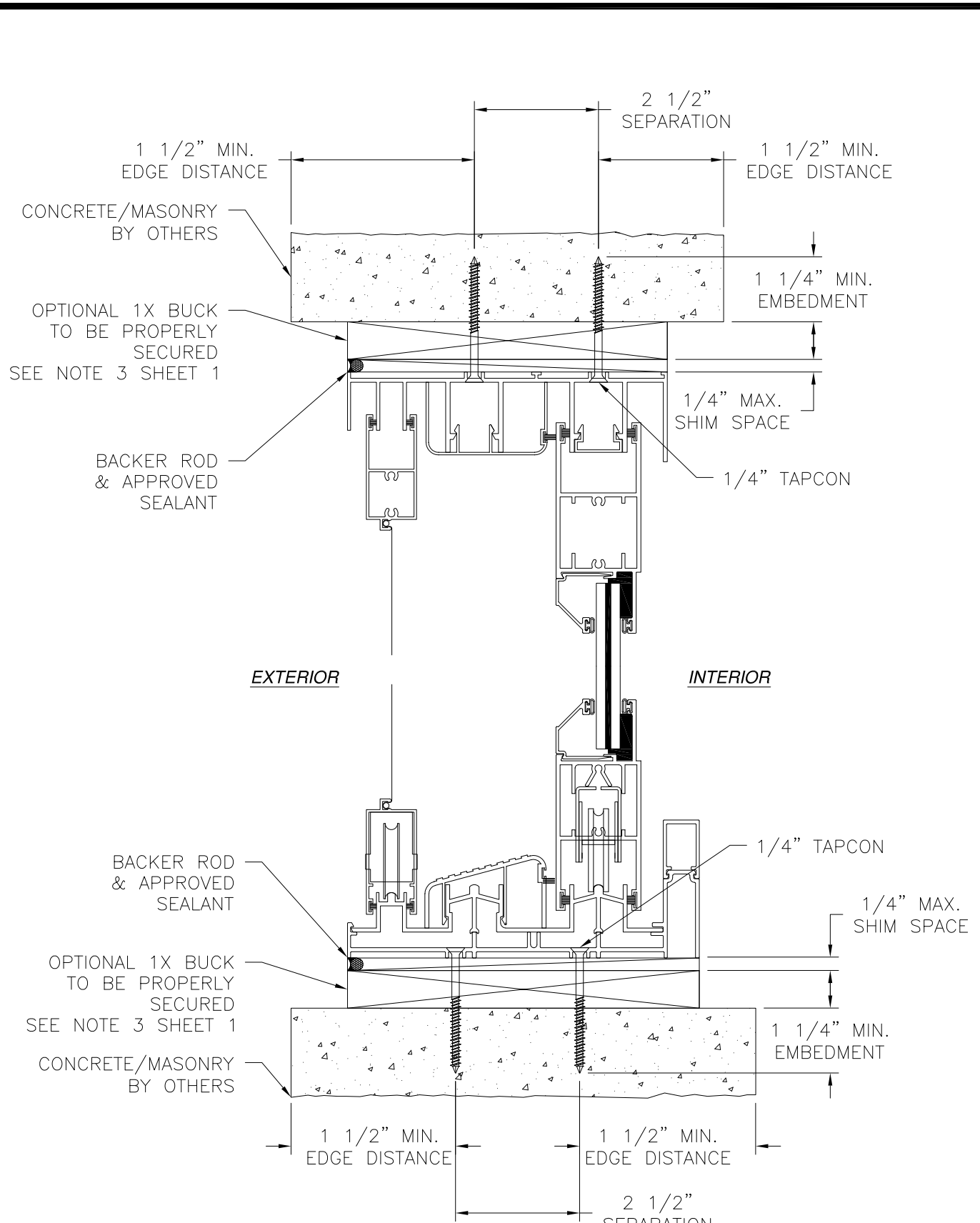
- NOTES:**
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SERIES FD8100 ALUMINUM SLIDING GLASS DOOR IMPACT 2 TRACK INSTALLATION DETAILS			
DRAWN: V.L.	DWG NO. 08-02673	REV B	
SCALE NTS	DATE 03/30/15	SHEET 5 OF 12	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com			

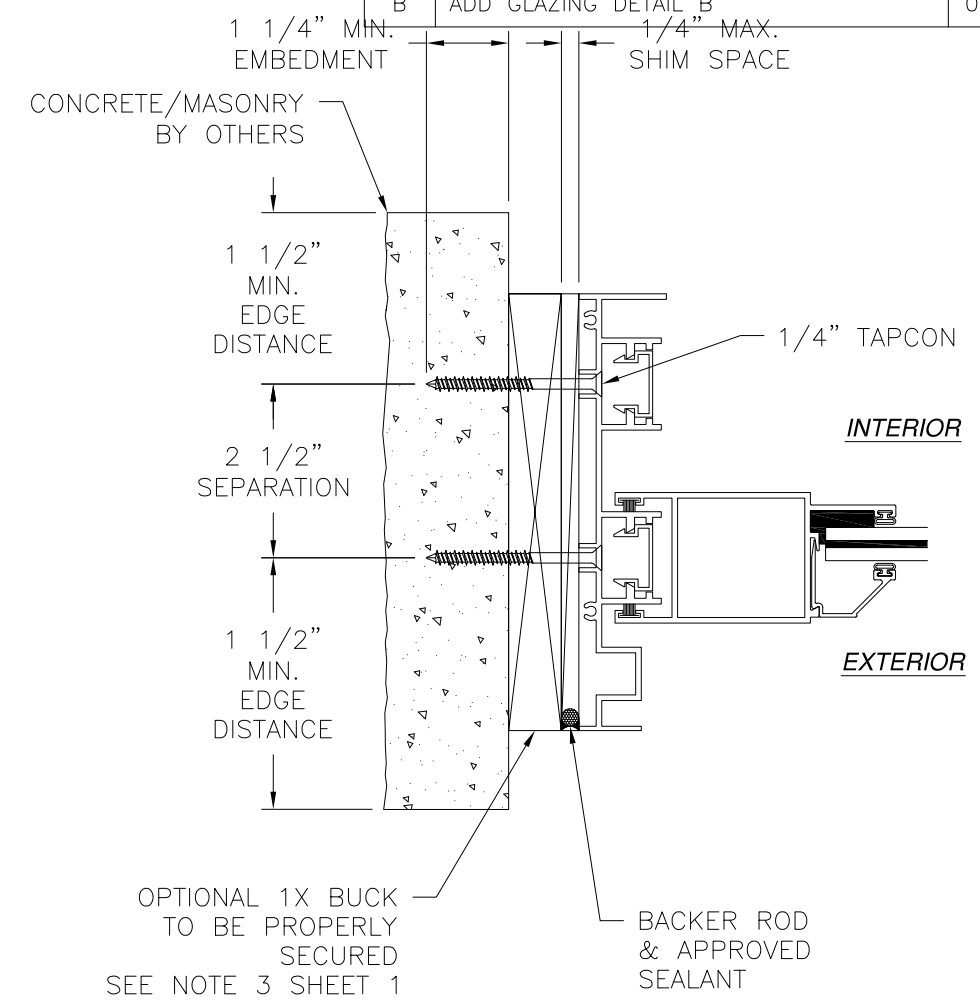


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**VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION**

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**JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION**

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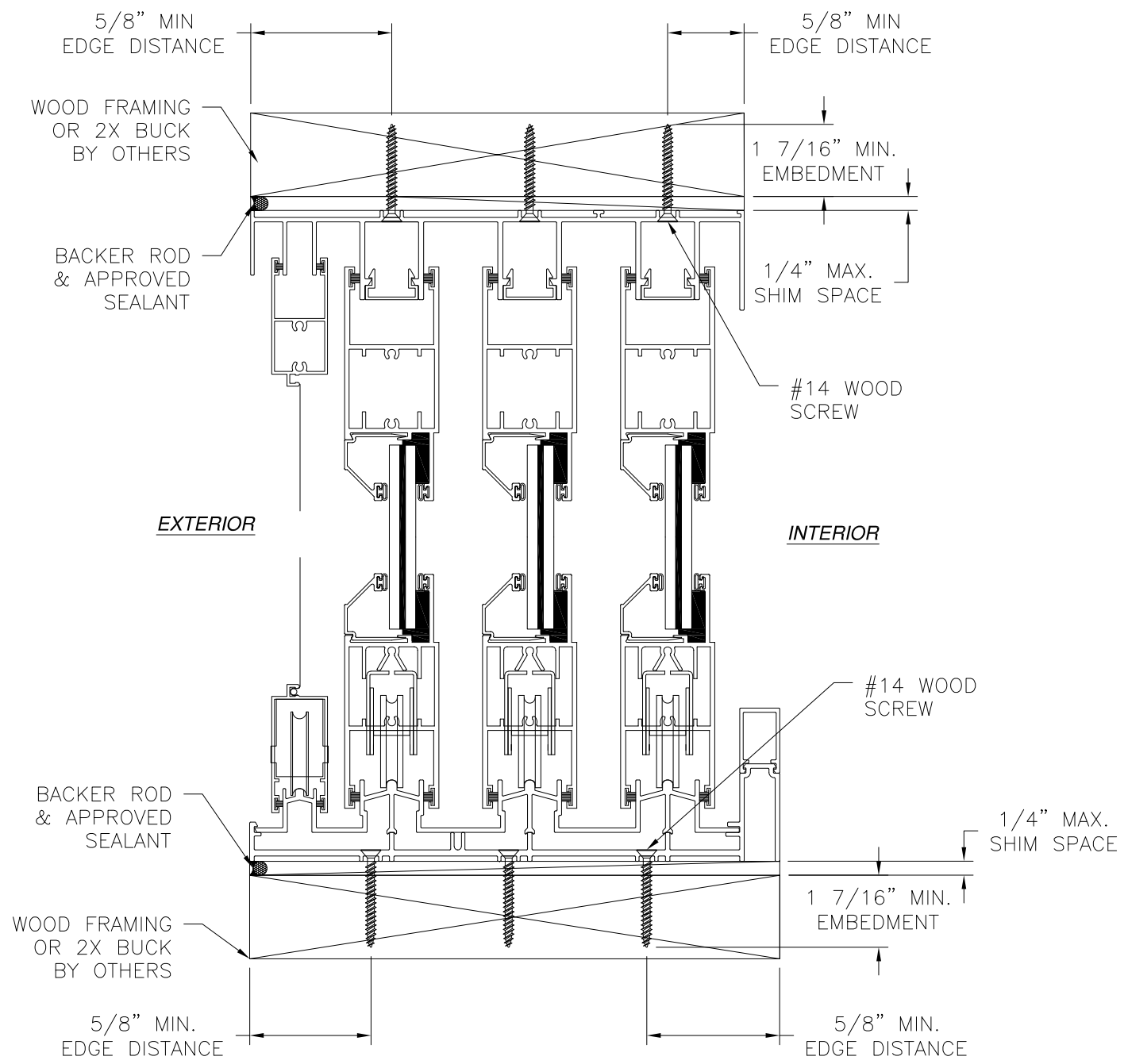
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SERIES FD8100 ALUMINUM SLIDING GLASS DOOR IMPACT 2 TRACK INSTALLATION DETAILS			
DRAWN: V.L.	DWG NO. 08-02673	REV B	
SCALE NTS	DATE 03/30/15	SHEET 6 OF 12	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com			

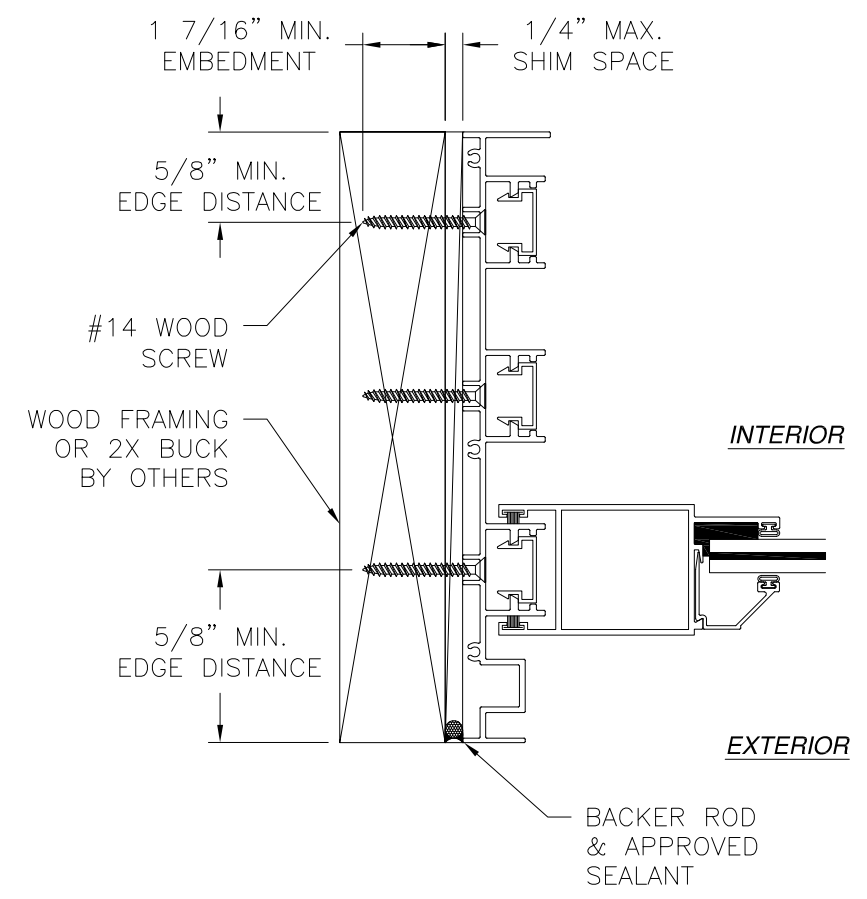


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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

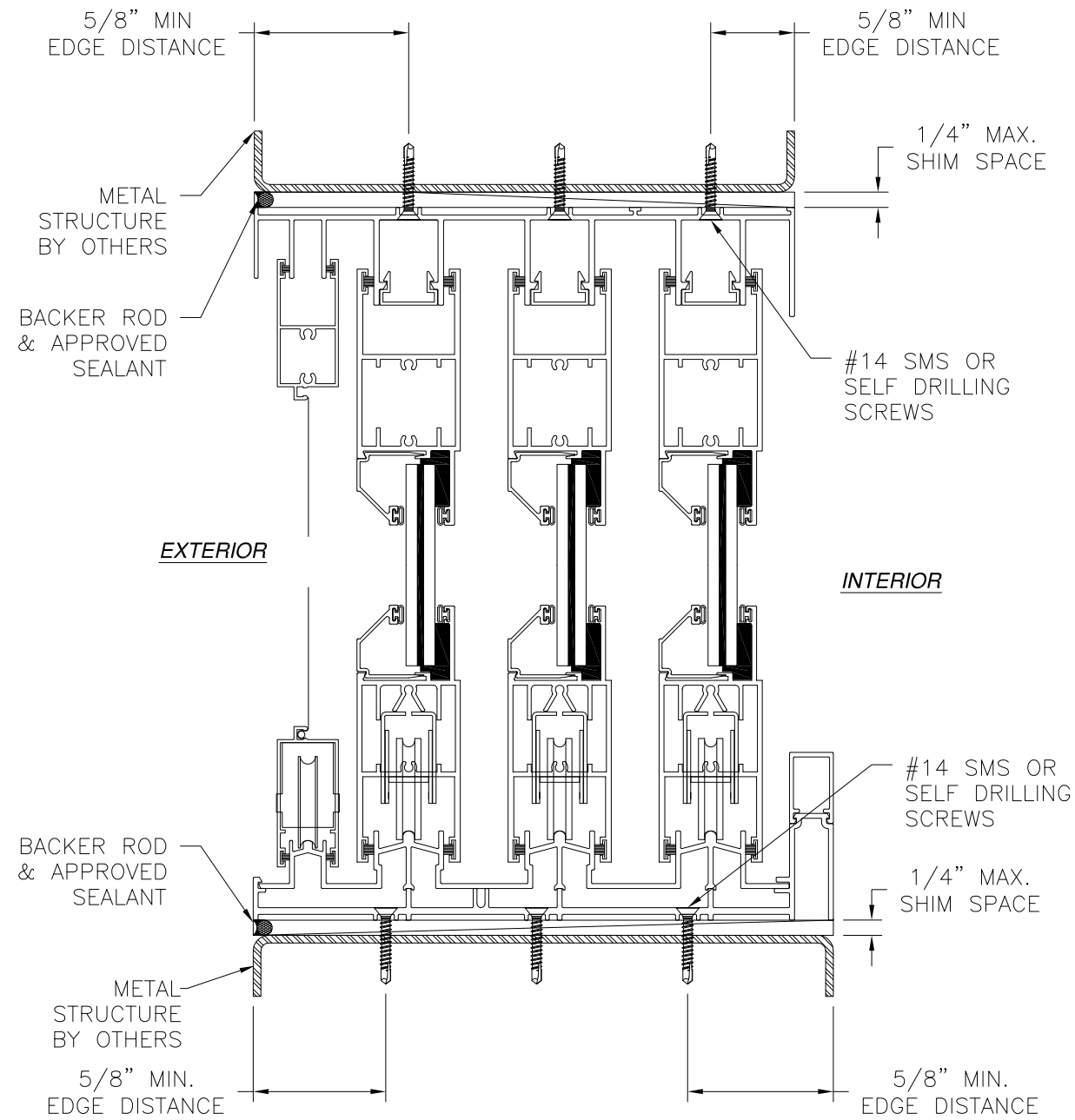
SIGNED: 08/29/2019

 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 3 TRACK INSTALLATION DETAILS					
DRAWN: V.L.		DWG NO. 08-02673		REV B	
SCALE NTS	DATE 03/30/15	SHEET 7 OF 12			
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com					

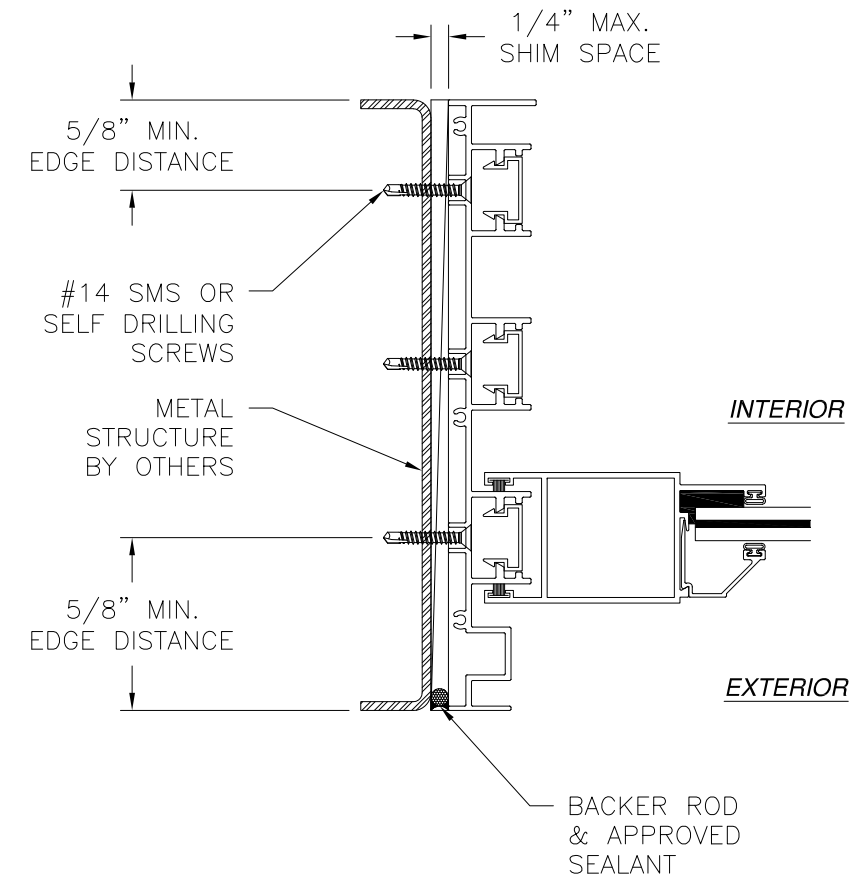


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

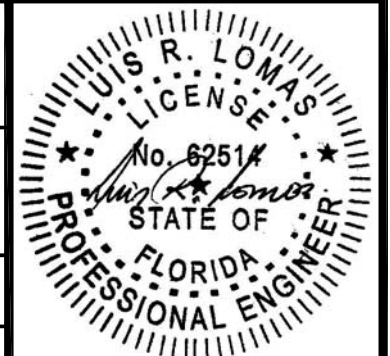


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METAL STRUCTURE INSTALLATION

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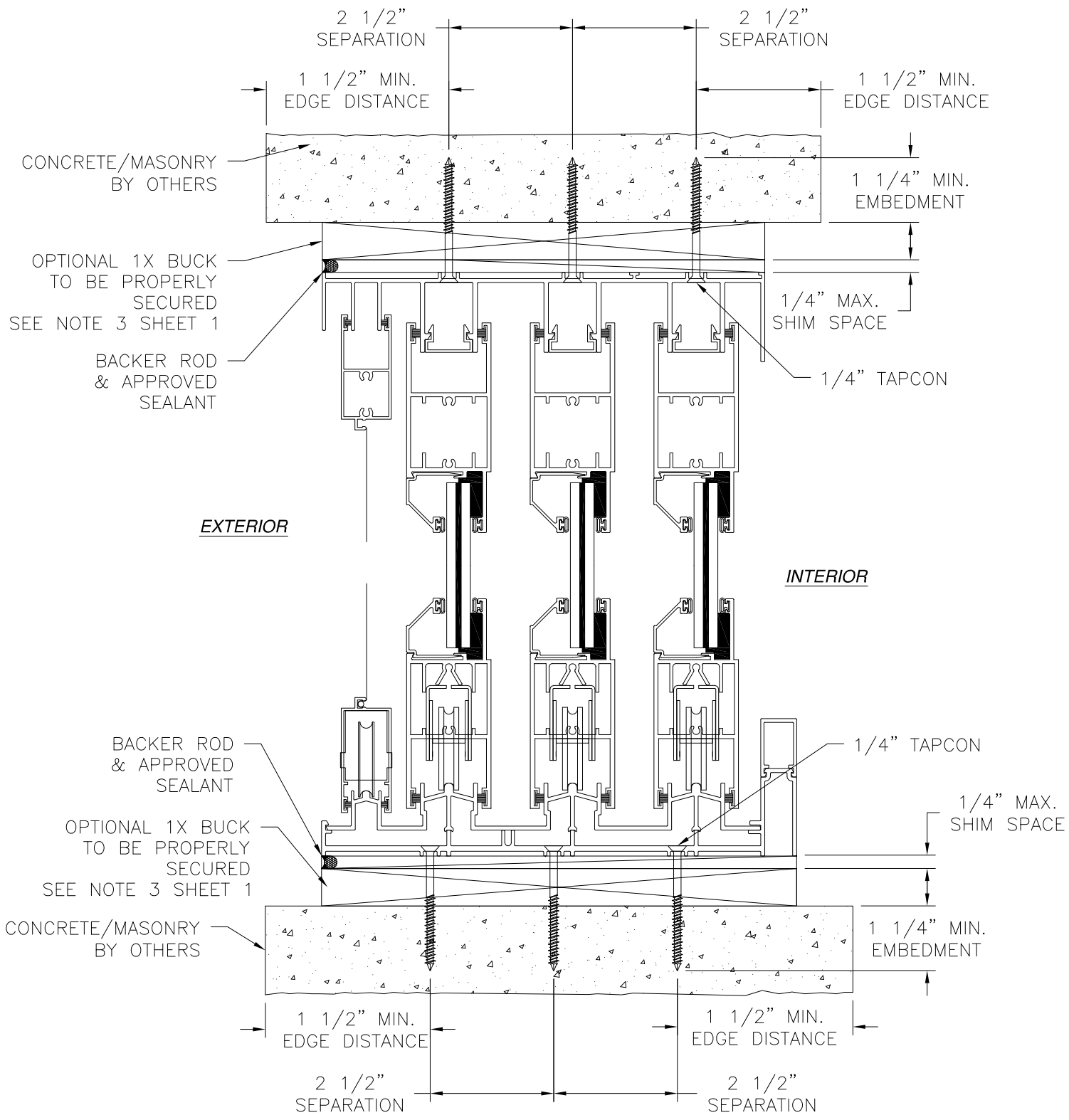
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		EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204	
SERIES FD8100 ALUMINUM SLIDING GLASS DOOR IMPACT 3 TRACK INSTALLATION DETAILS			
DRAWN: V.L.	DWG NO. 08-02673	REV B	
SCALE NTS	DATE 03/30/15	SHEET 8 OF 12	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com			

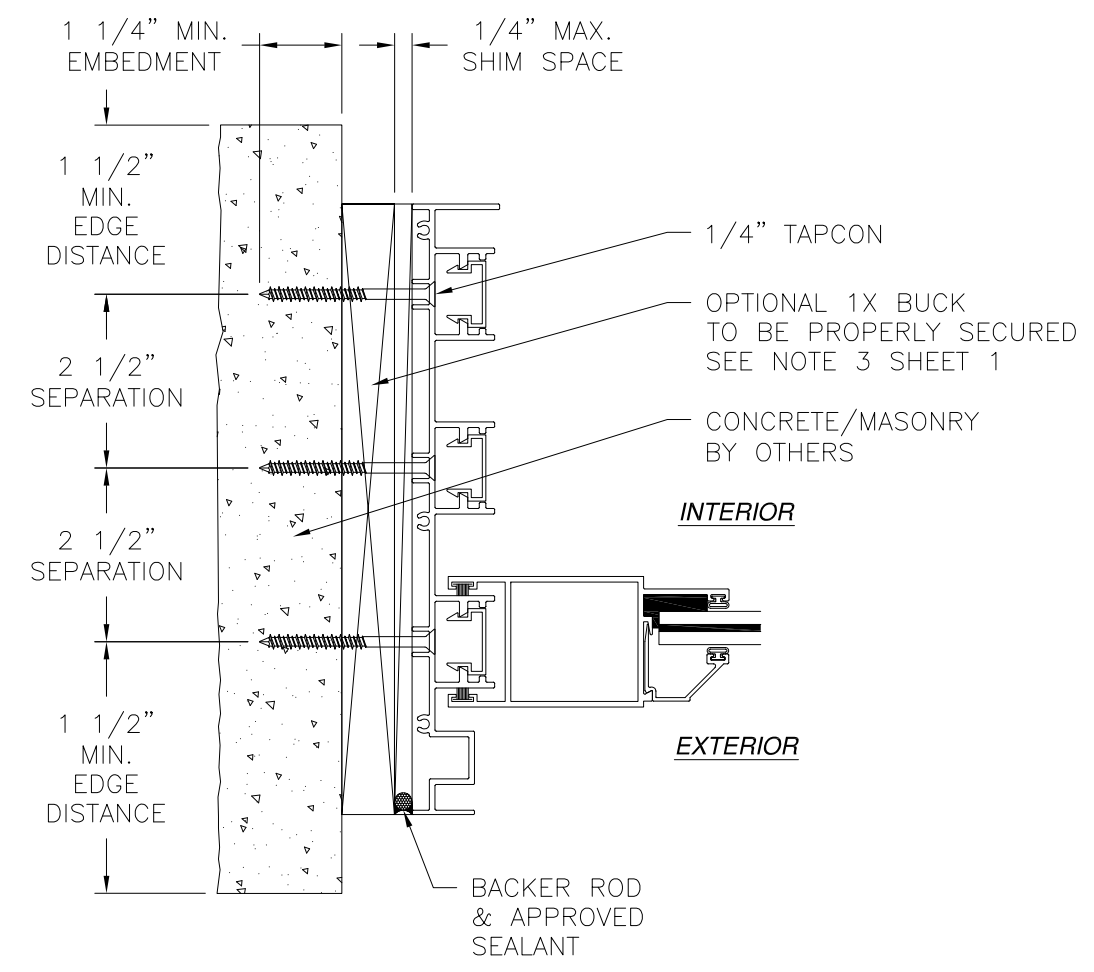


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

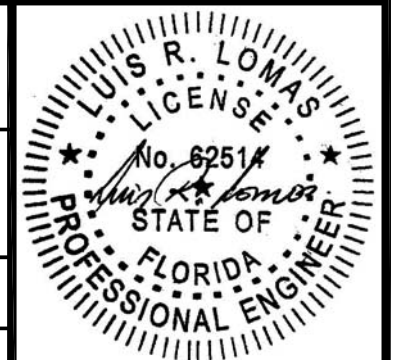


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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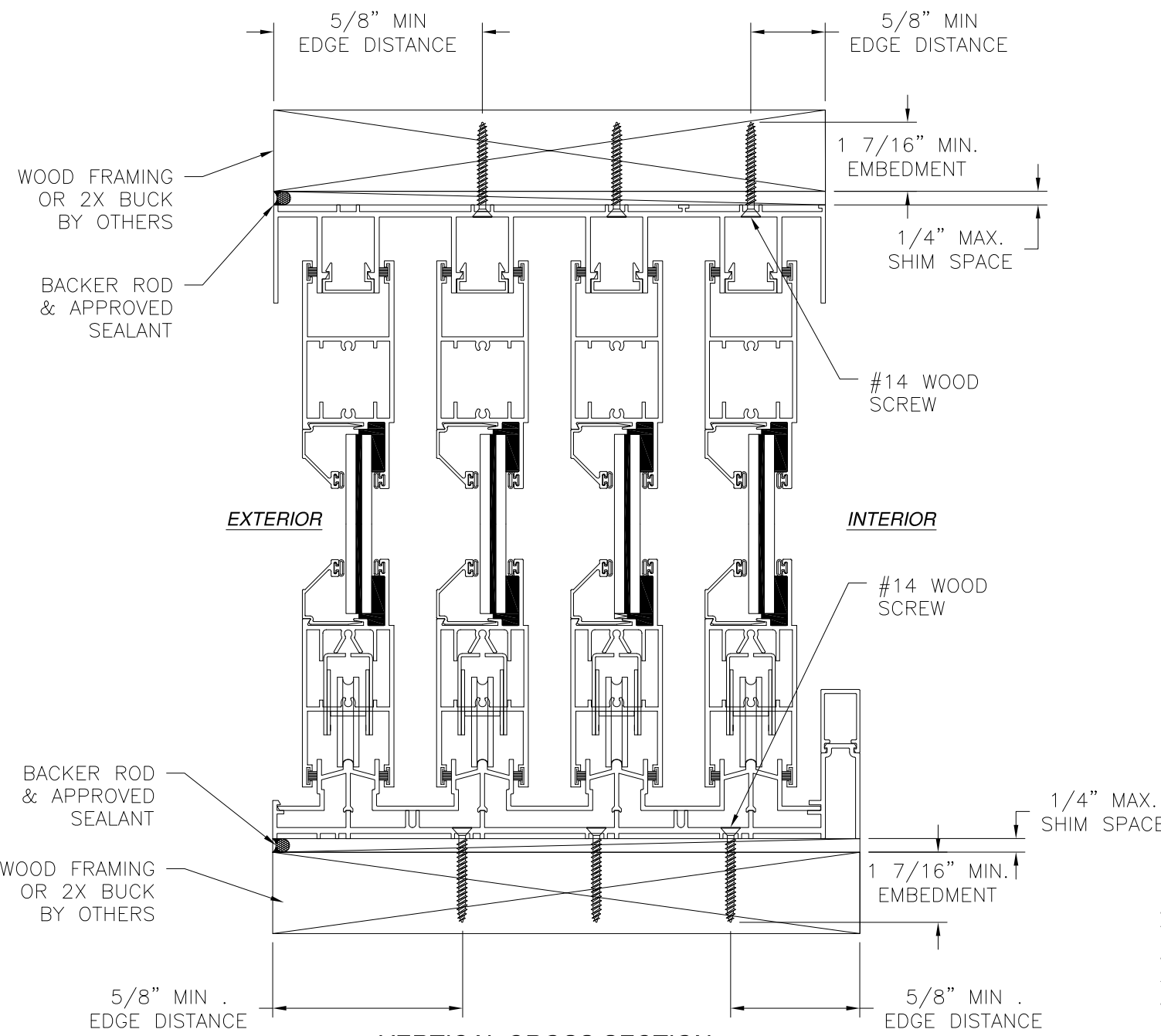
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		EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204	
SERIES FD8100 ALUMINUM SLIDING GLASS DOOR IMPACT 3 TRACK INSTALLATION DETAILS			
DRAWN: V.L.	DWG NO. 08-02673	REV B	
SCALE NTS	DATE 03/30/15	SHEET 9 OF 12	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com			

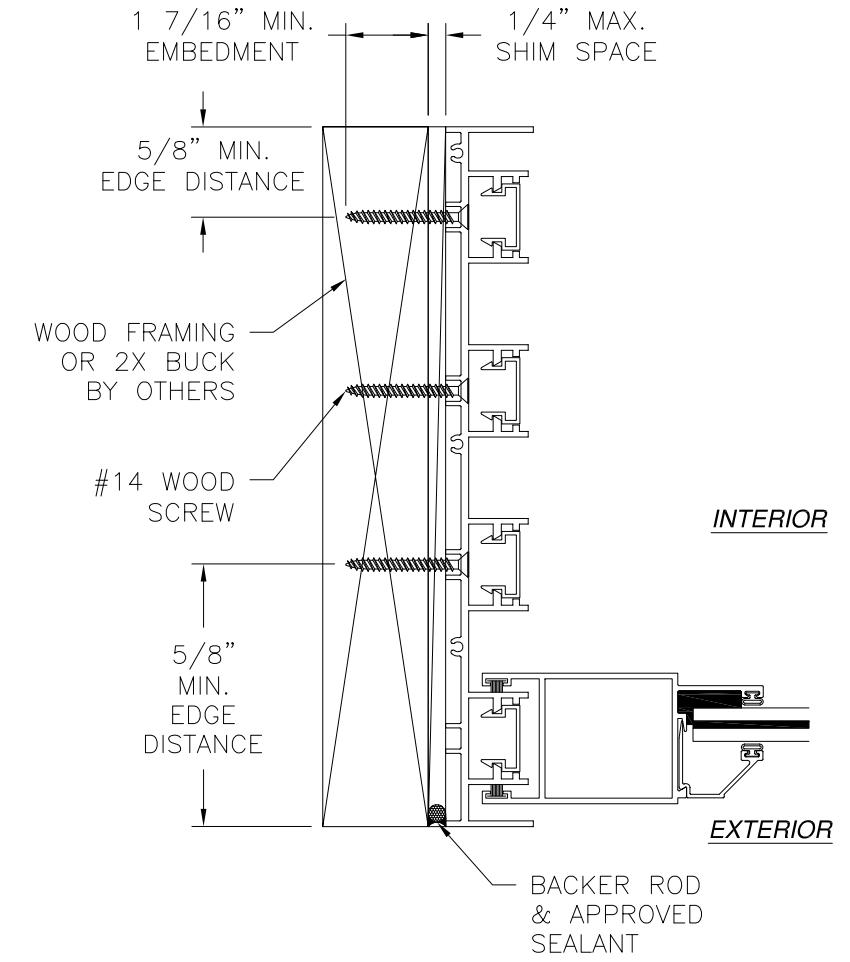


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

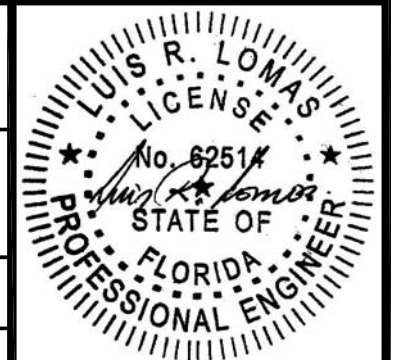


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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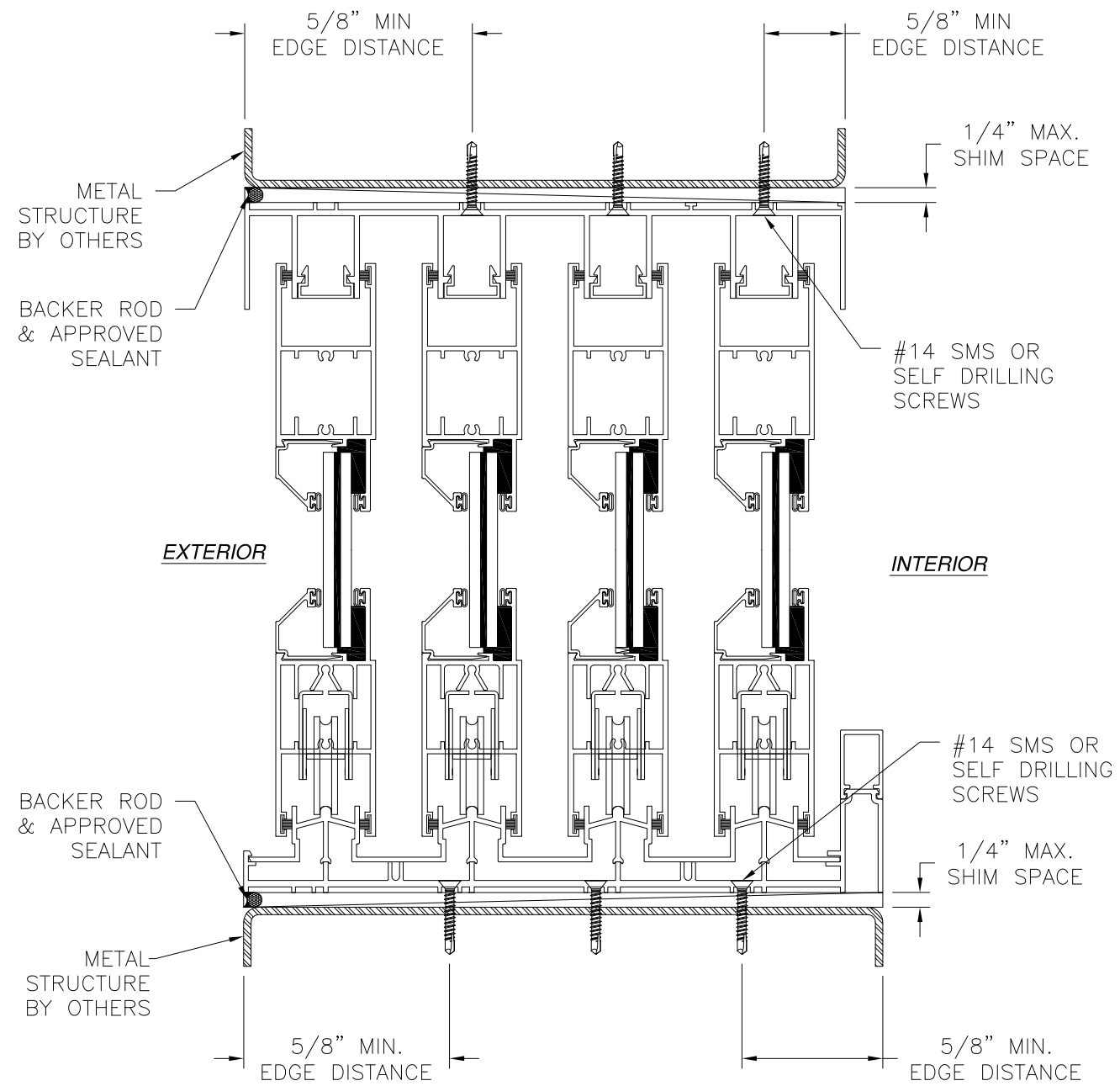
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 Eastern ARCHITECTURAL SYSTEMS ALUMINUM AND VINYL IMPACT WINDOWS AND DOORS			EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204		
SERIES FD8100 ALUMINUM SLIDING GLASS DOOR IMPACT 4 TRACK INSTALLATION DETAILS					
DRAWN: V.L.		DWG NO. 08-02673		REV B	
SCALE NTS		DATE 03/30/15		SHEET 10 OF 12	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com					

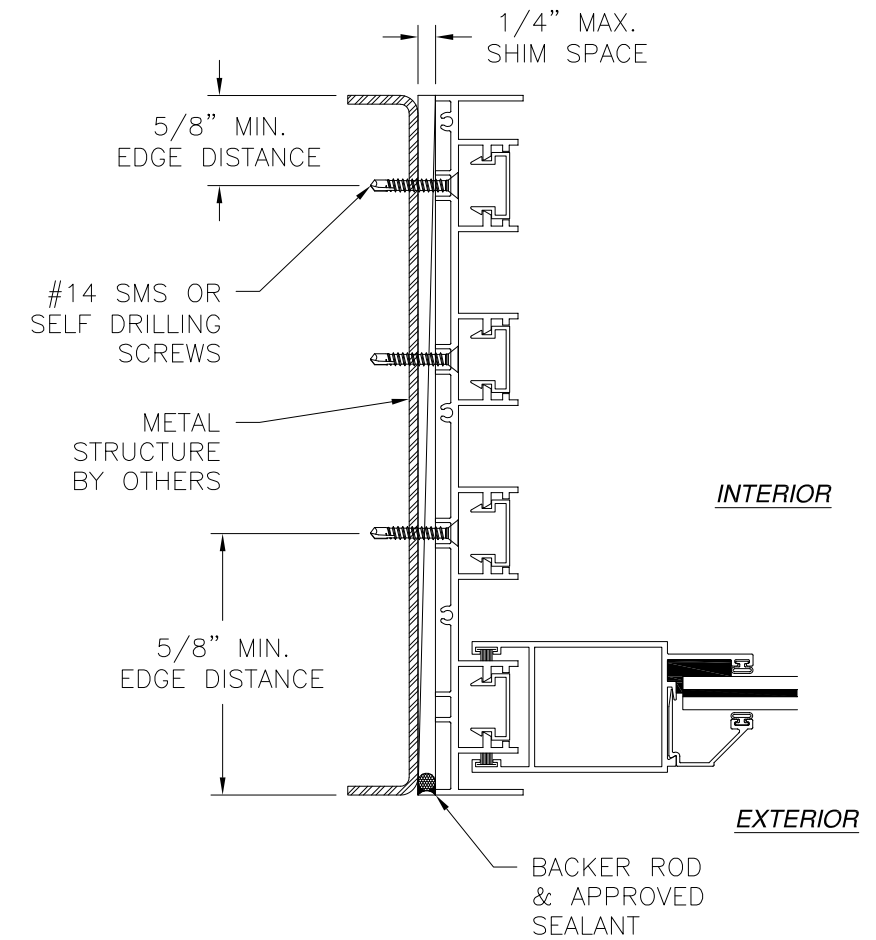


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	01/09/18	R.L.
B	ADD GLAZING DETAIL B	08/29/19	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

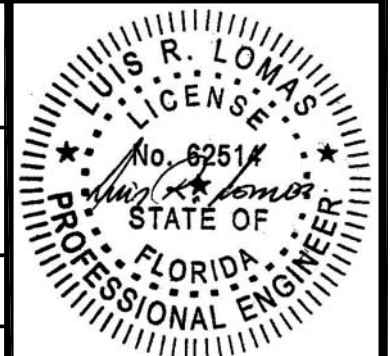


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

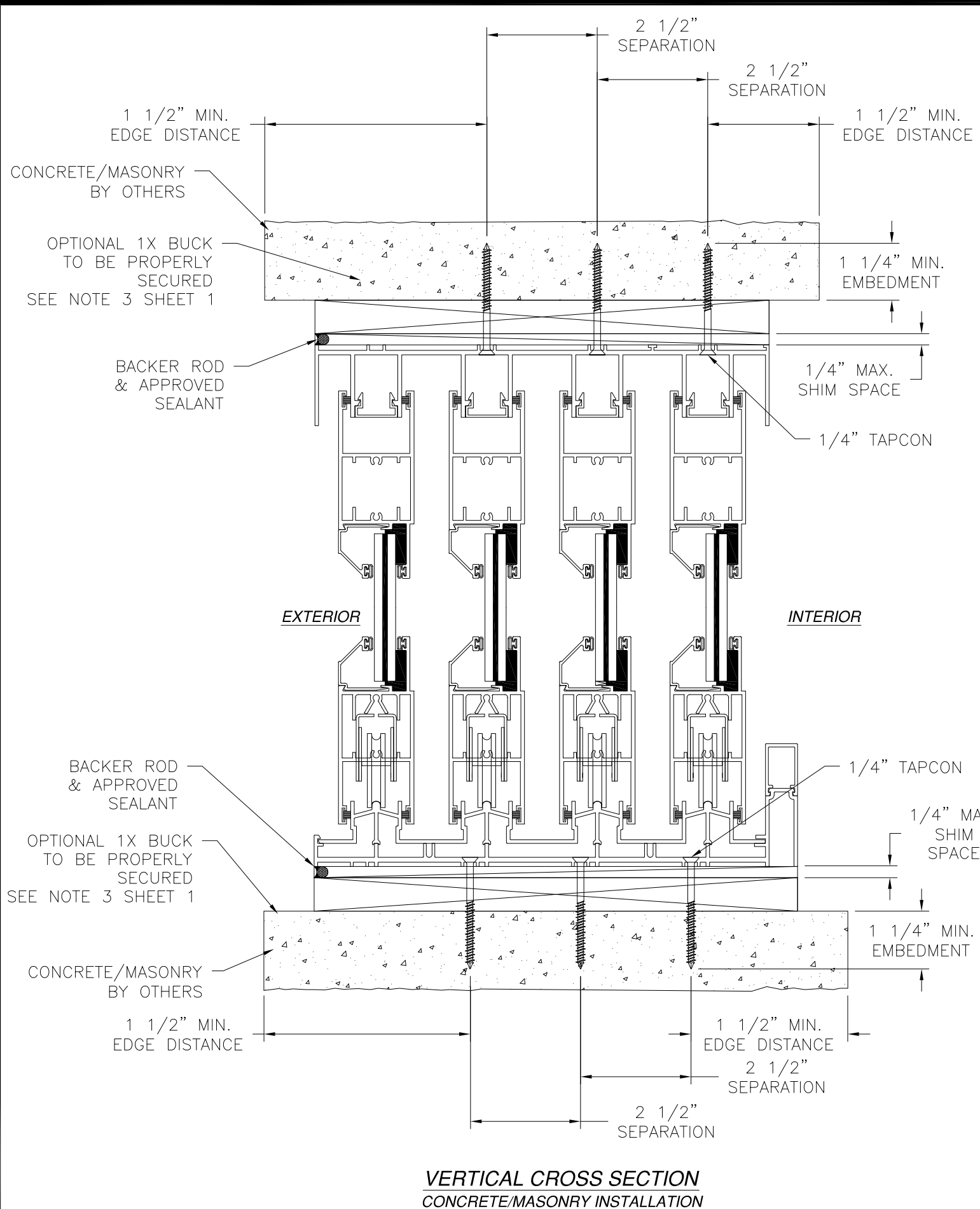
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 08/29/2019

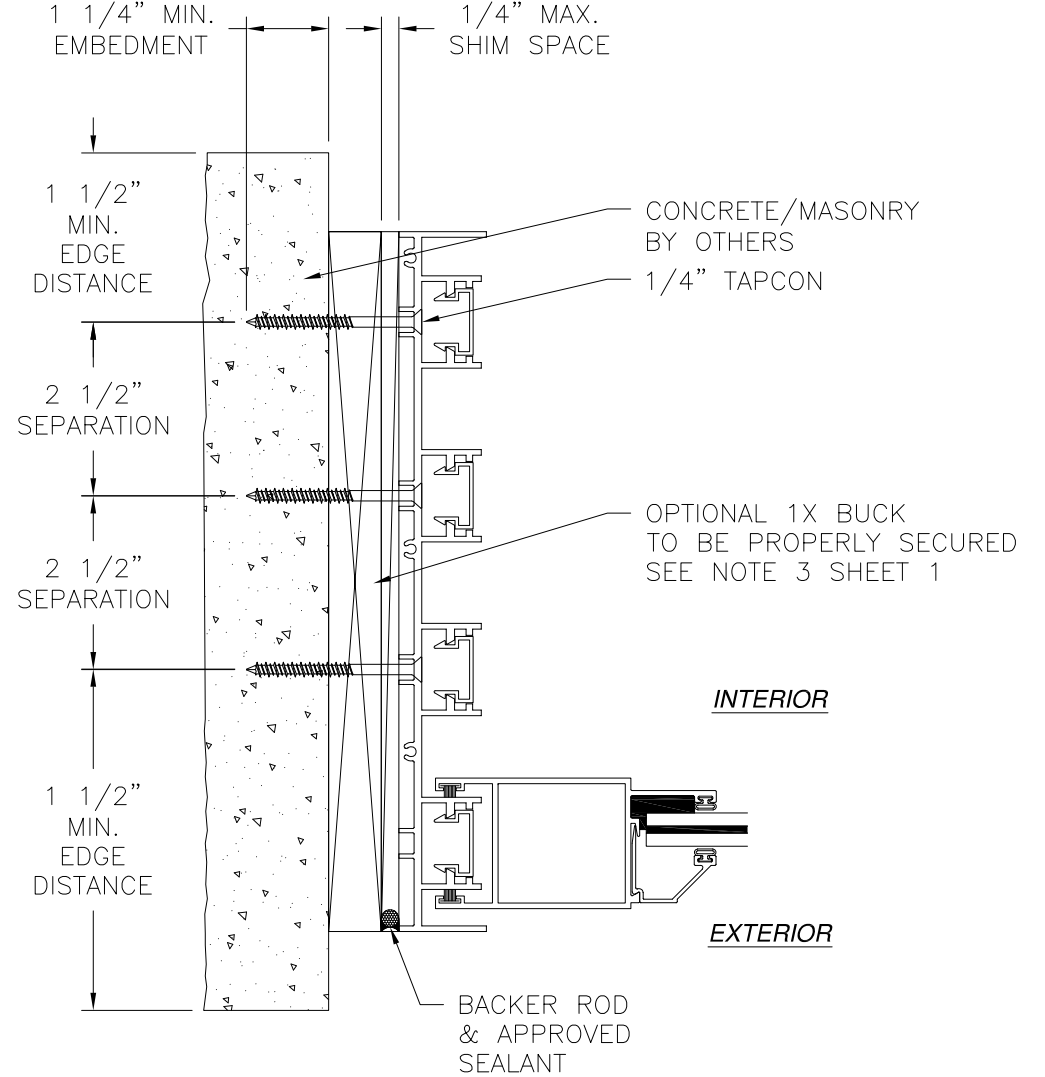
		EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204	
SERIES FD8100 ALUMINUM SLIDING GLASS DOOR IMPACT 4 TRACK INSTALLATION DETAILS			
DRAWN: V.L.	DWG NO. 08-02673	REV B	
SCALE NTS	DATE 03/30/15	SHEET 11 OF 12	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com			



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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	01/09/18	R.L.
B	ADD GLAZING DETAIL B	08/29/19	R.L.



NOTES:
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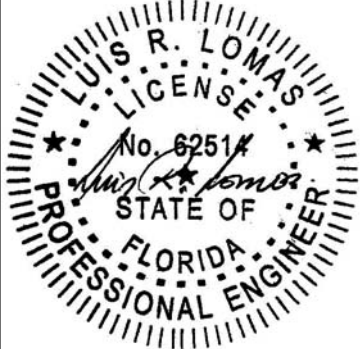


EASTERN ARCHITECTURAL SYSTEMS
 A DIVISION OF
 EASTERN METAL SUPPLY
 16341 DOMESTIC AVE
 FORT MYERS, FL 33912
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**SERIES FD8100
ALUMINUM SLIDING GLASS DOOR IMPACT
4 TRACK INSTALLATION DETAILS**

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

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