

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/13/23	R.L.
B	UPDATED TO CURRENT FBC.	12/09/25	LMH

- NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE AND HVHZ.
 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 SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
 4. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
 5. 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.
 6. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
 7. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
 8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
 9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
 10. FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T6.
 11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 17 FOR GLASS DETAIL.
 12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1-3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1-1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH 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.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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:
 - 17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 17.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 17.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .048" THICK MINIMUM
18. APPROVED CONFIGURATIONS: OX, XO, XX, OXO, XXO, OXX, XXX, XOO, OOX, OXXO, XXXO, OXXX, OOOX, XXOO, XXXX, PX, XP, PXX, XXP, PXXX, XXXP, PXXP, PXXXX, XXXXP, PXXXXP.

FL 27113

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18 - 19	COMPONENTS

EASTERN ARCHITECTURAL SYSTEMS

16341 DOMESTIC AVENUE
FT. MYERS, FL 33912

SERIES 7000 ALUMINUM SLIDING GLASS DOOR
LARGE MISSILE IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03375

REV
B

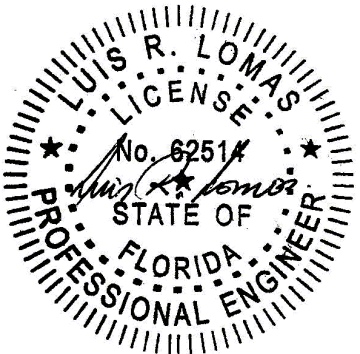
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DATE
12/13/18

SHEET
1 OF 19

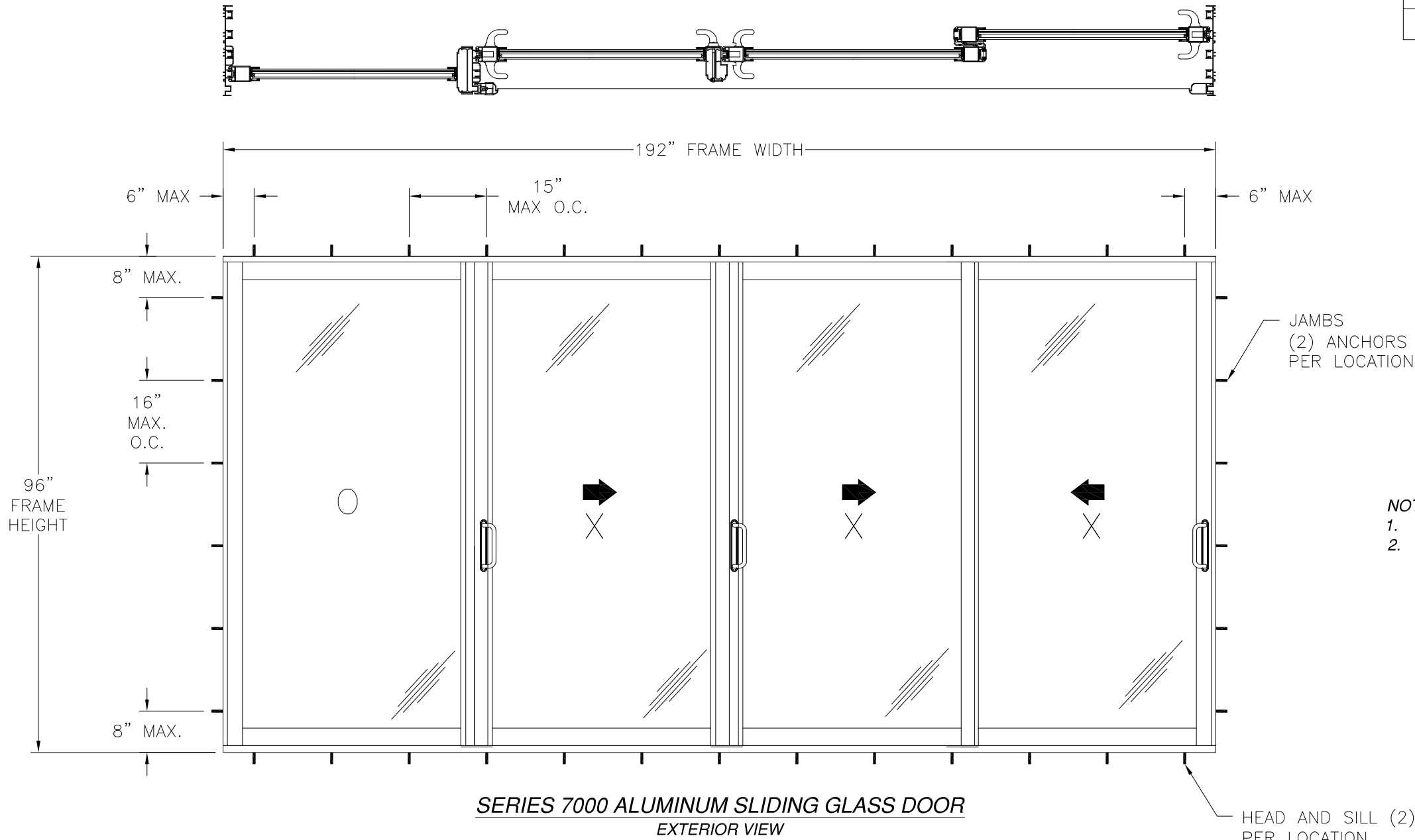
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 01/21/2026



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

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- NOTES:
- PANEL SIZE: 49 1/4" x 94 1/4"
 - D.L.O.: 43" X 86 3/4"

SERIES 7000 ALUMINUM SLIDING GLASS DOOR
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE AND SMALL MISSILE IMPACT

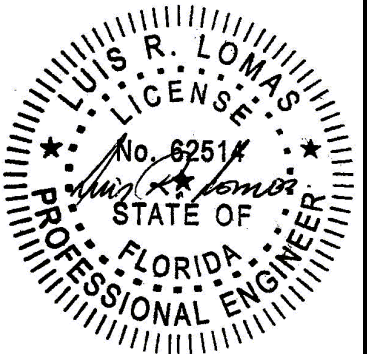
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

HARDWARE SCHEDULE

A.	LOCK HANDLE WITH KEEPER BY AMESBURY, INTERIOR AND EXTERIOR OF OPERABLE PANEL
B.	ROLLER ASSEMBLY (TA-88-PRN-166-ST-SS) BY AMESBURY, AT BOTTOM RAIL
C.	ALUMINUM REINFORCEMENT BAR (57282) FOR OXO BUTT STILE AT CENTER INTERLOCK
D.	ALUMINUM REINFORCEMENT BAR (57316) FOR OXO BUTT STILE AT INTERLOCK LEFT

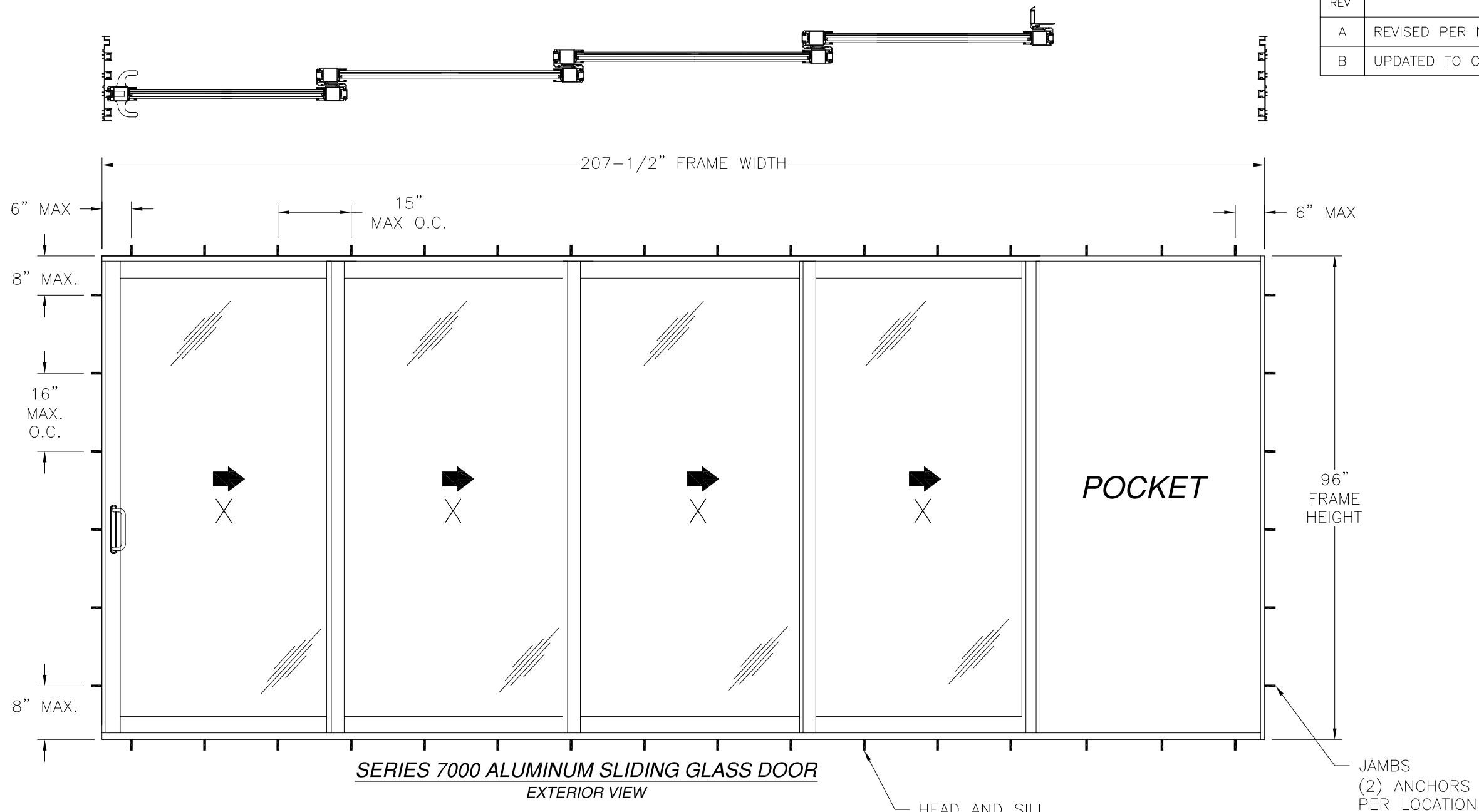
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SERIES 7000 ALUMINUM SLIDING GLASS DOOR LARGE MISSILE IMPACT ELEVATION		
DRAWN: A.R.	DWG NO. 08-03375	REV B
SCALE NTS	DATE 12/13/18	SHEET 2 OF 19
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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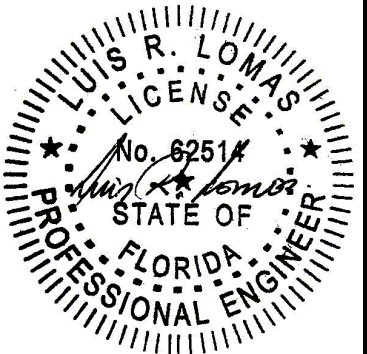
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MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

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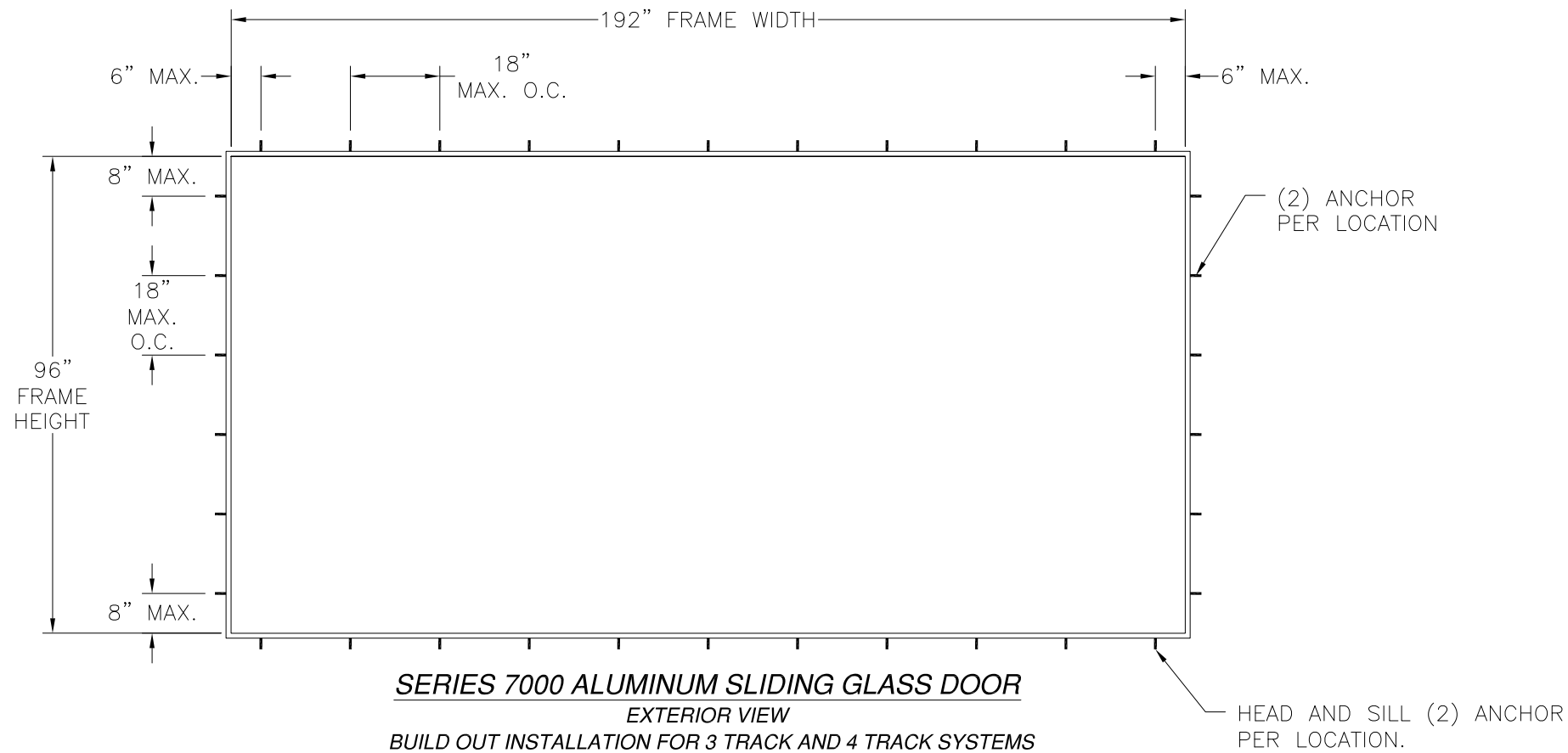
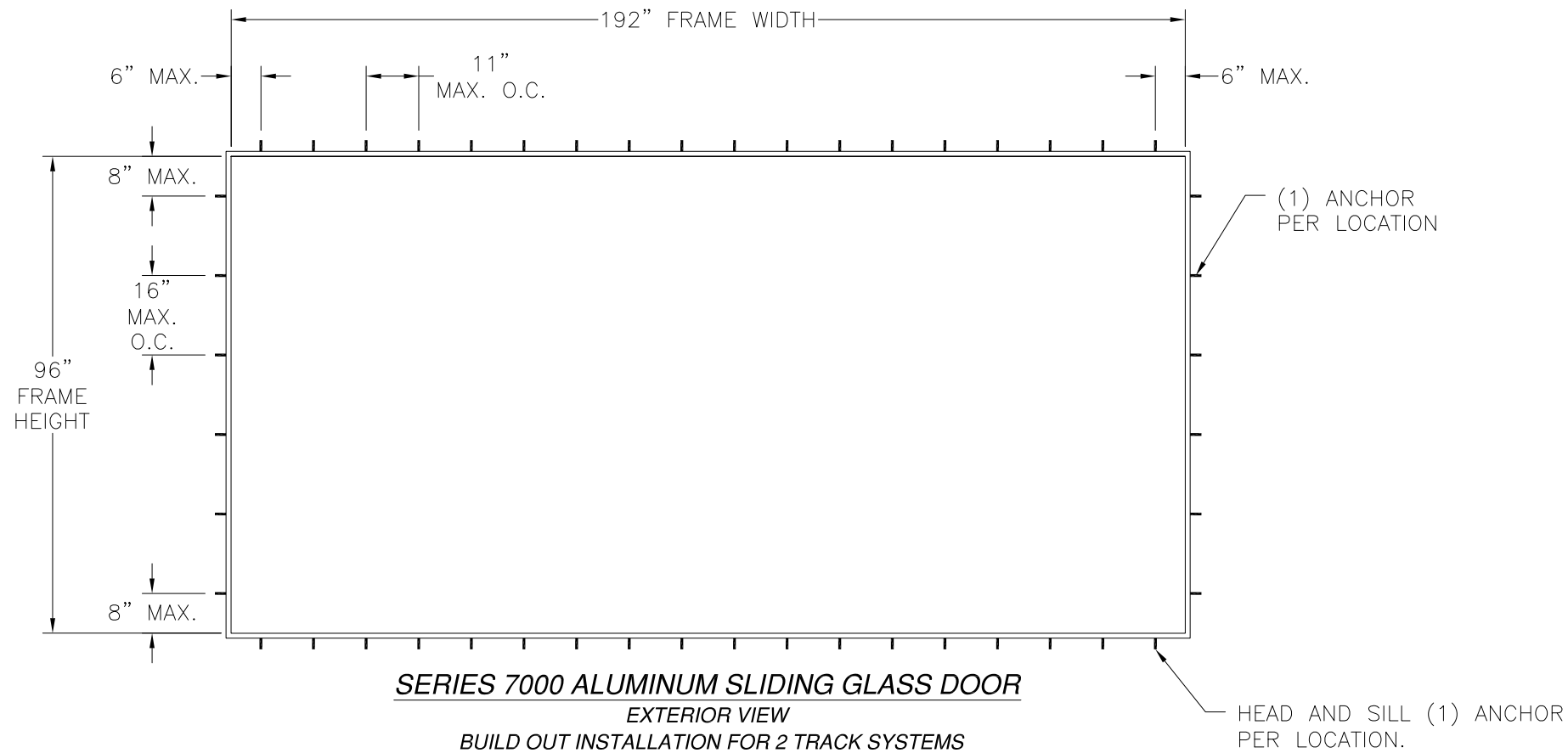
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DRAWN: A.R.	DWG NO. 08-03375	REV B
SCALE NTS	DATE 12/13/18	SHEET 3 OF 19
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FT. MYERS, FL 33912

SERIES 7000 ALUMINUM SLIDING GLASS DOOR
LARGE MISSILE IMPACT
BUILD OUT ELEVATIONS

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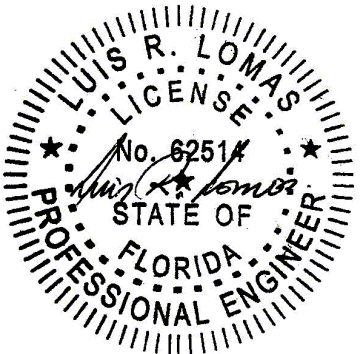
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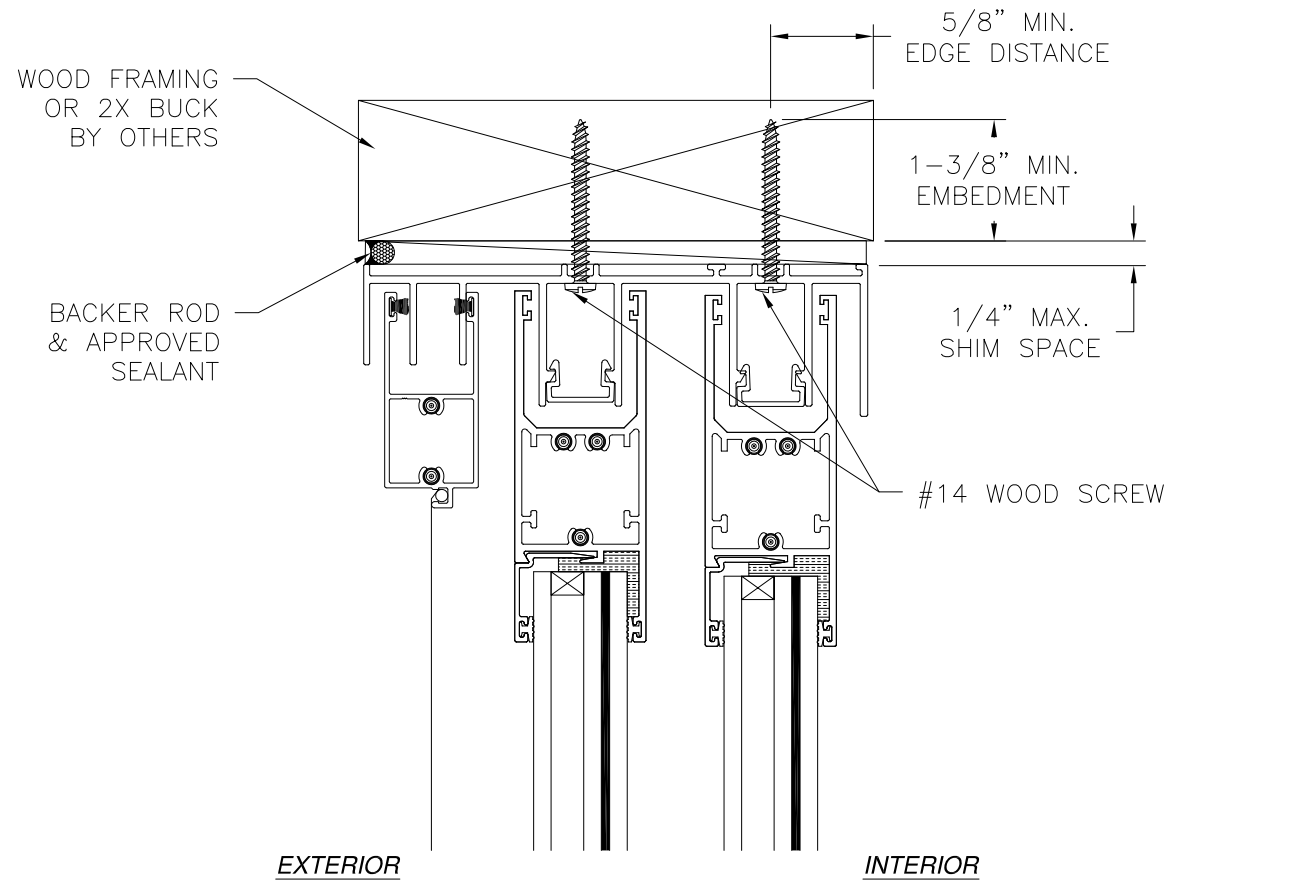
SHEET 4 OF 19

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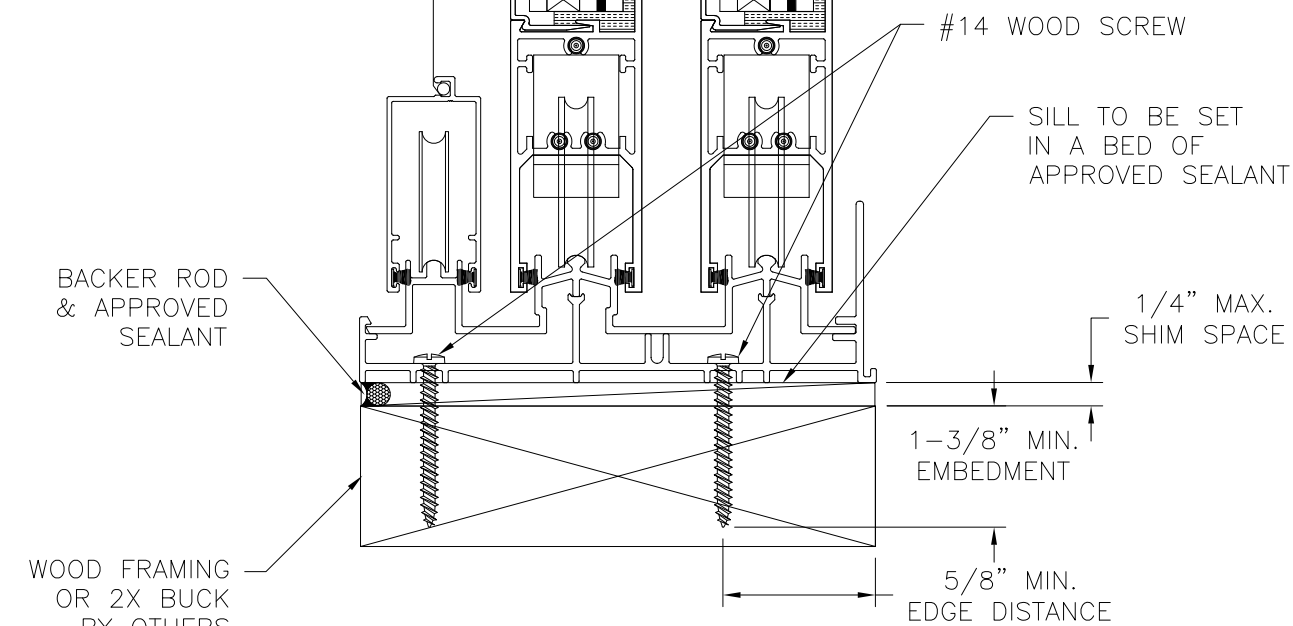


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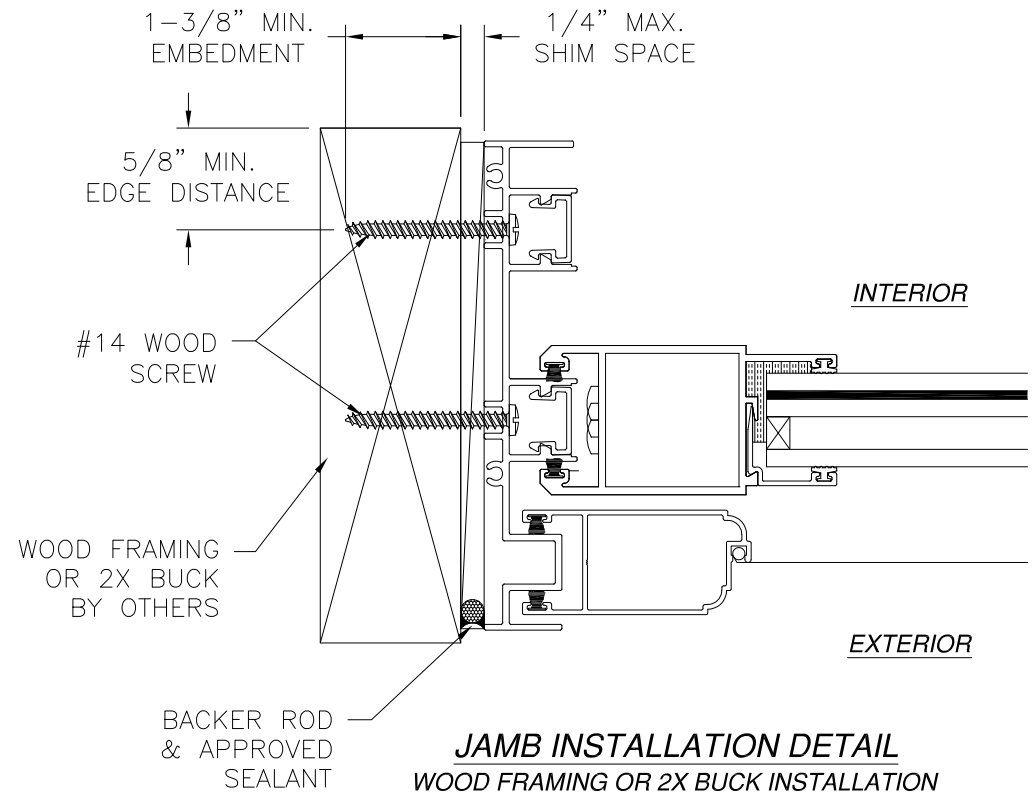


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:

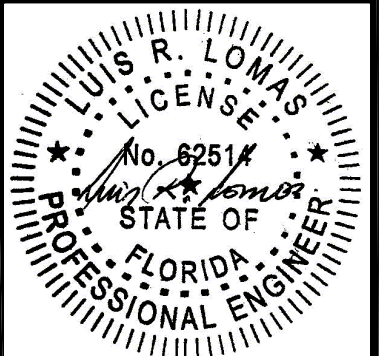
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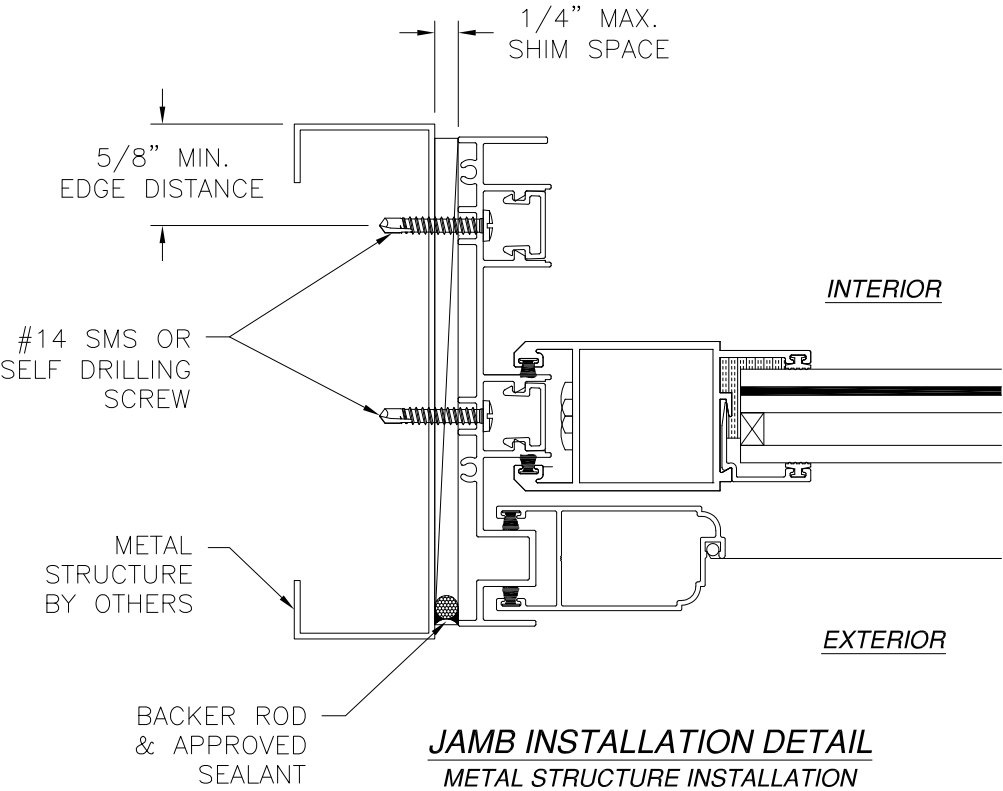
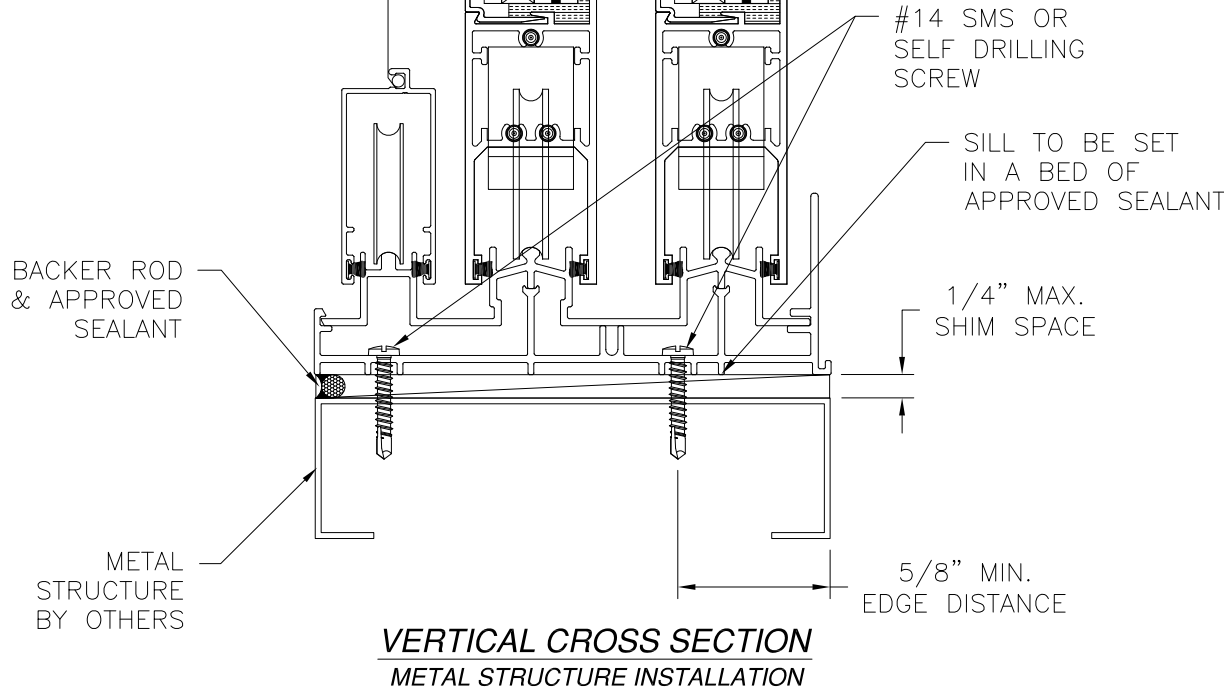
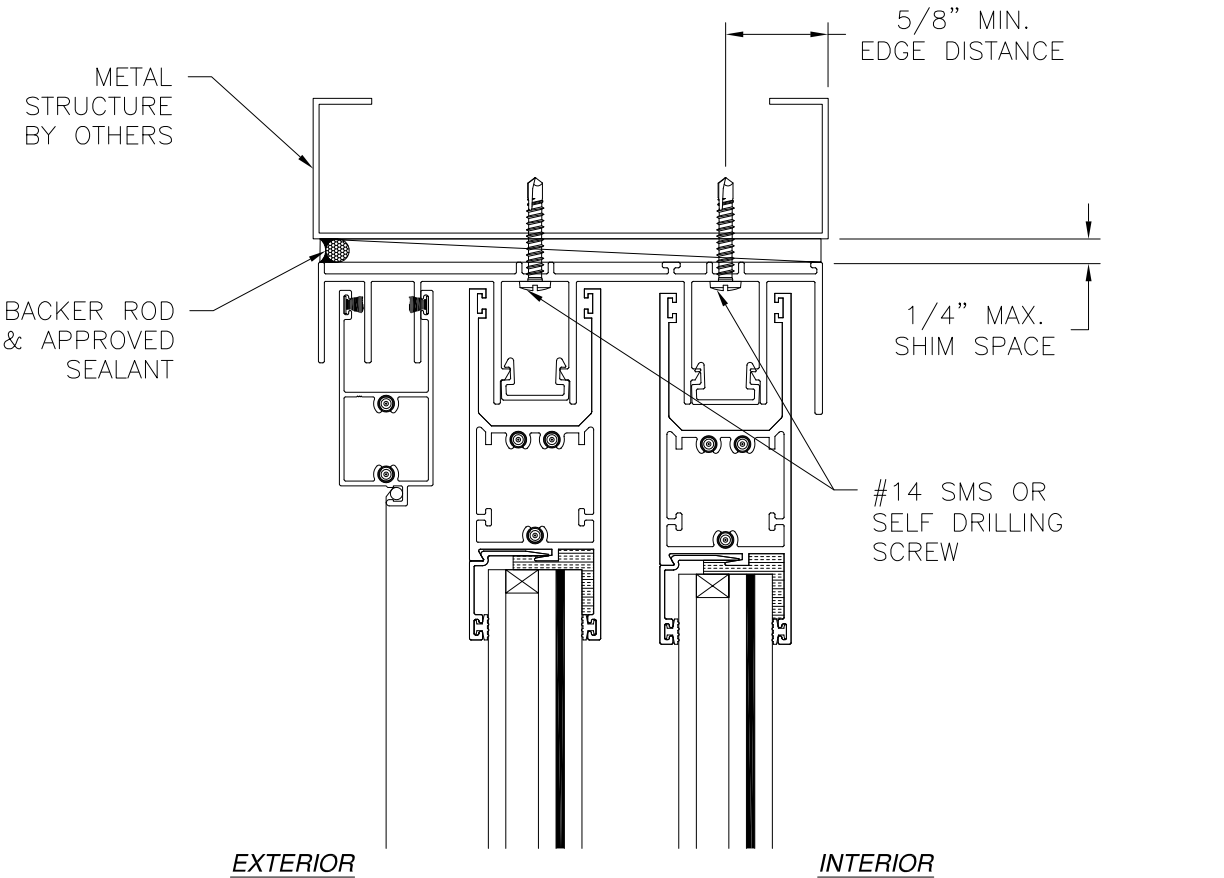
EASTERN ARCHITECTURAL SYSTEMS 16341 DOMESTIC AVENUE FT. MYERS, FL 33912		
SERIES 7000 ALUMINUM SLIDING GLASS DOOR LARGE MISSILE IMPACT 2 TRACK INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03375	REV B
SCALE NTS	DATE 12/13/18	SHEET 5 OF 19
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EASTERN ARCHITECTURAL SYSTEMS

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FT. MYERS, FL 33912

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LARGE MISSILE IMPACT
2 TRACK INSTALLATION DETAILS

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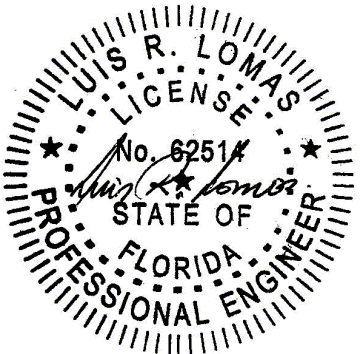
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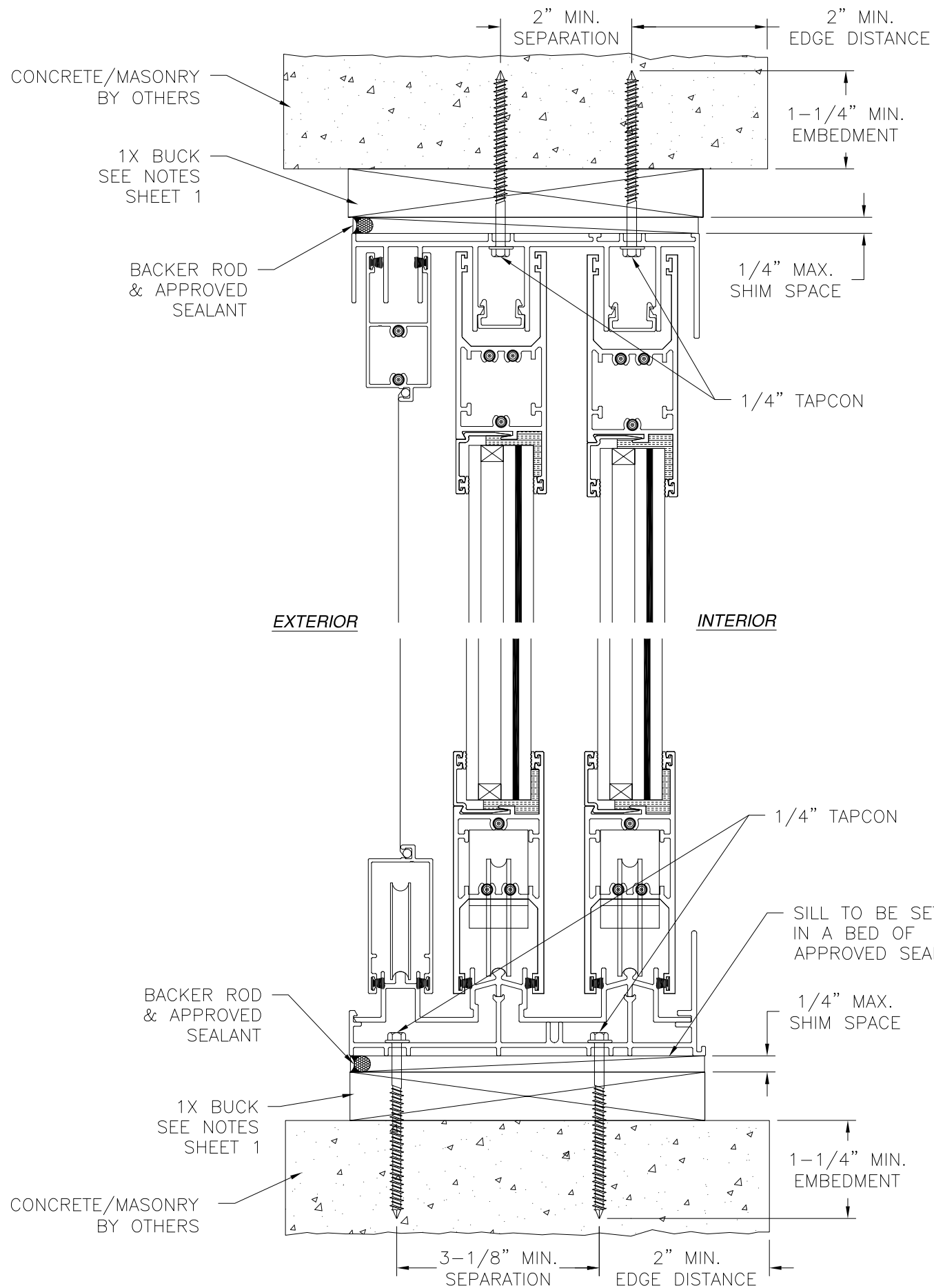
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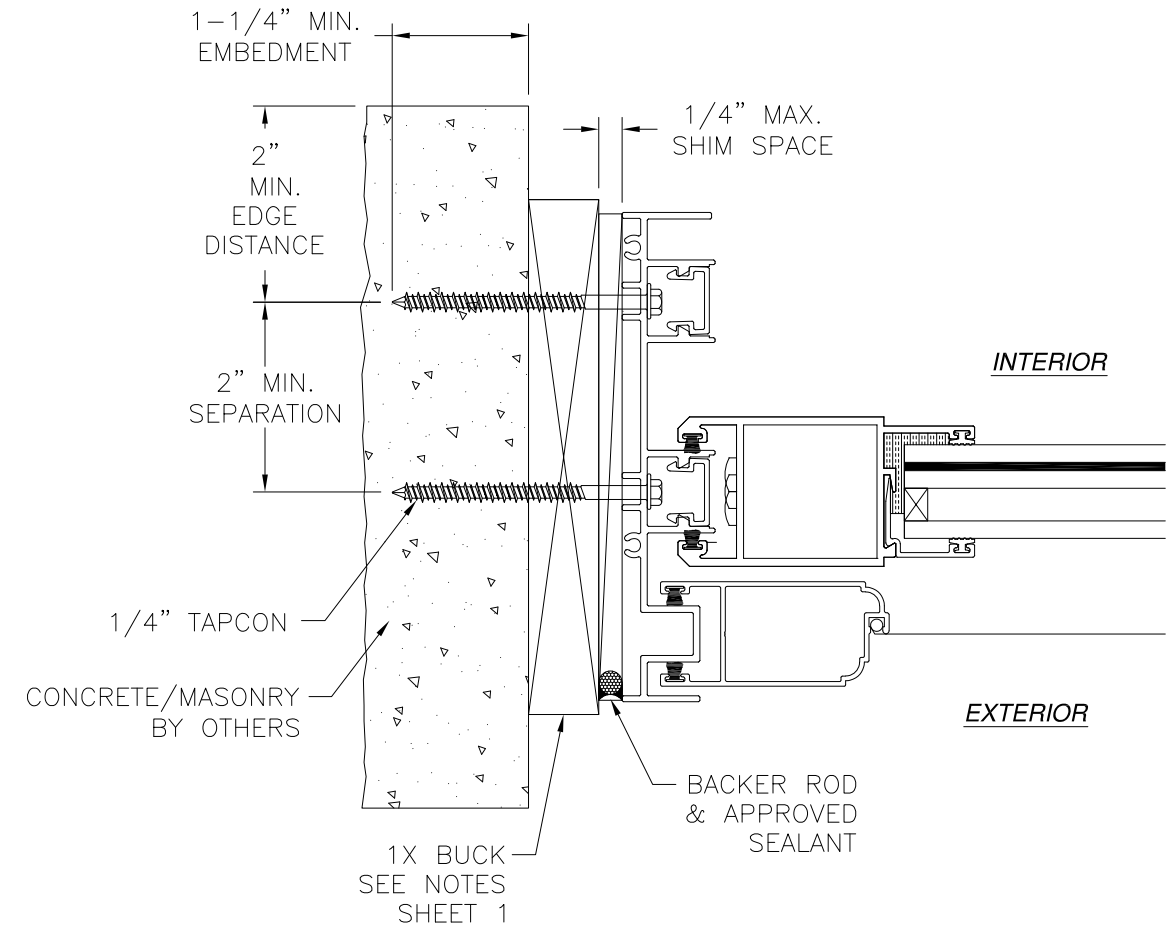
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

FL 27113

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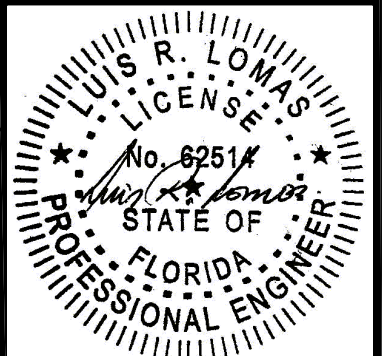
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CONCRETE/MASONRY INSTALLATION

NOTES:

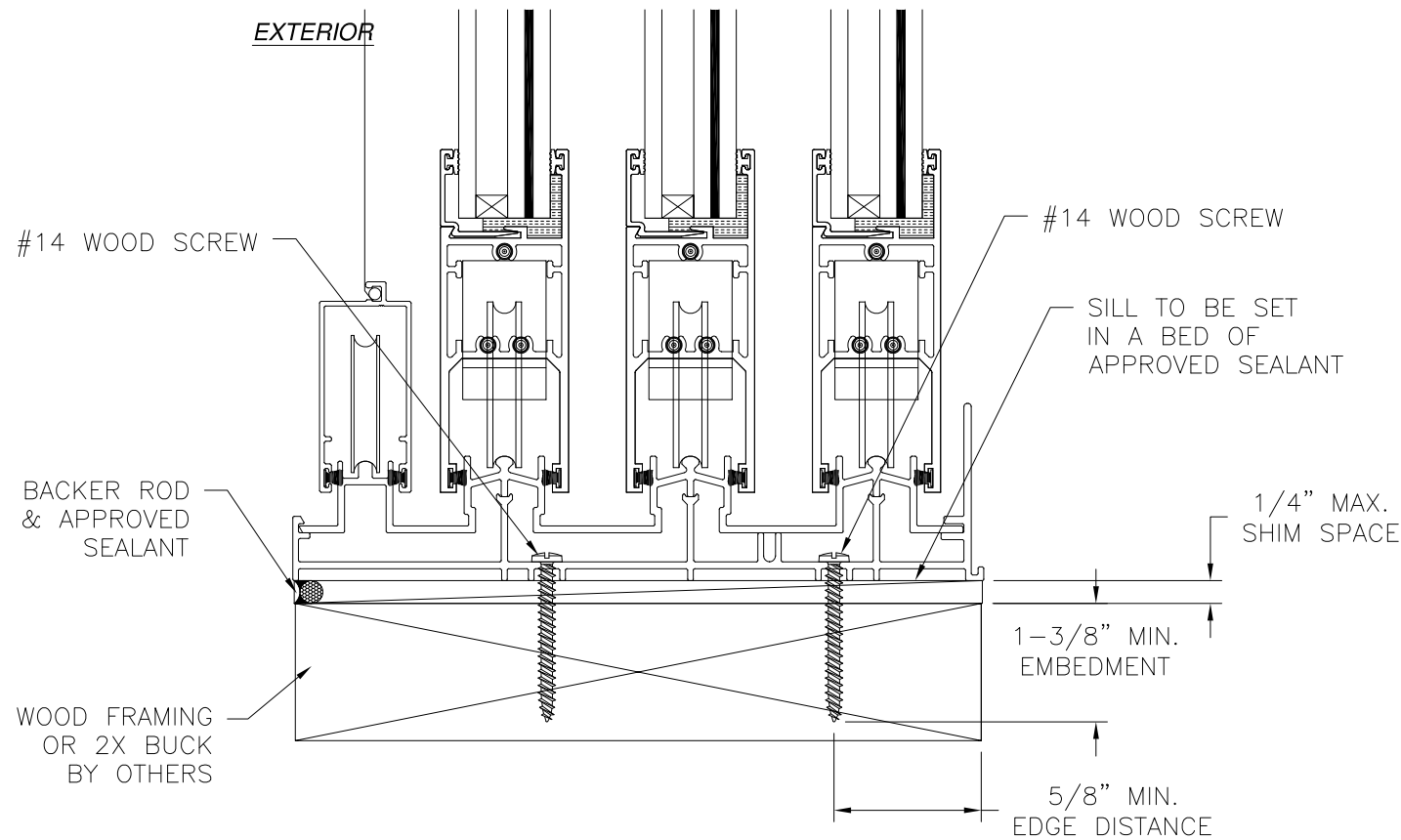
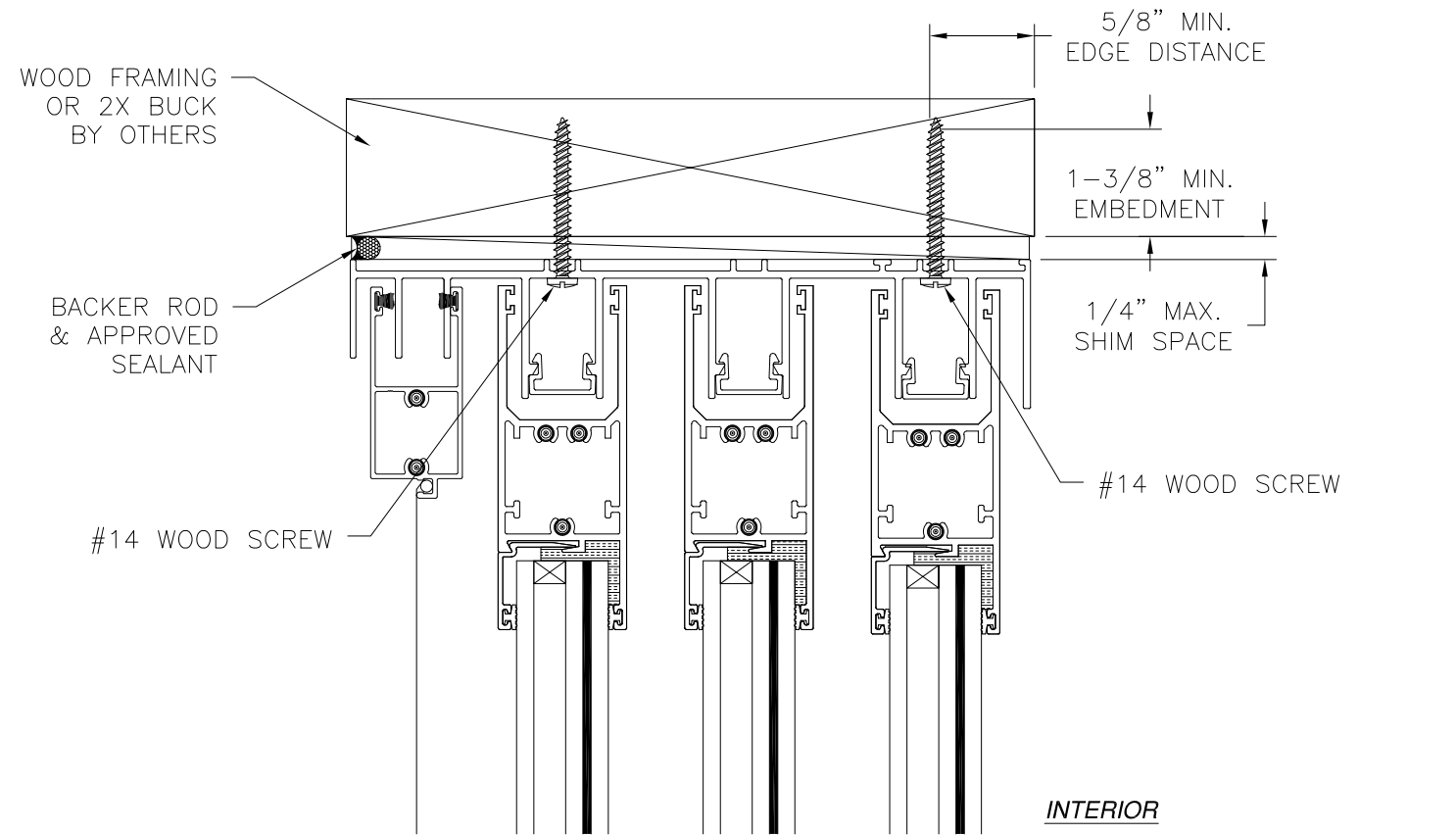
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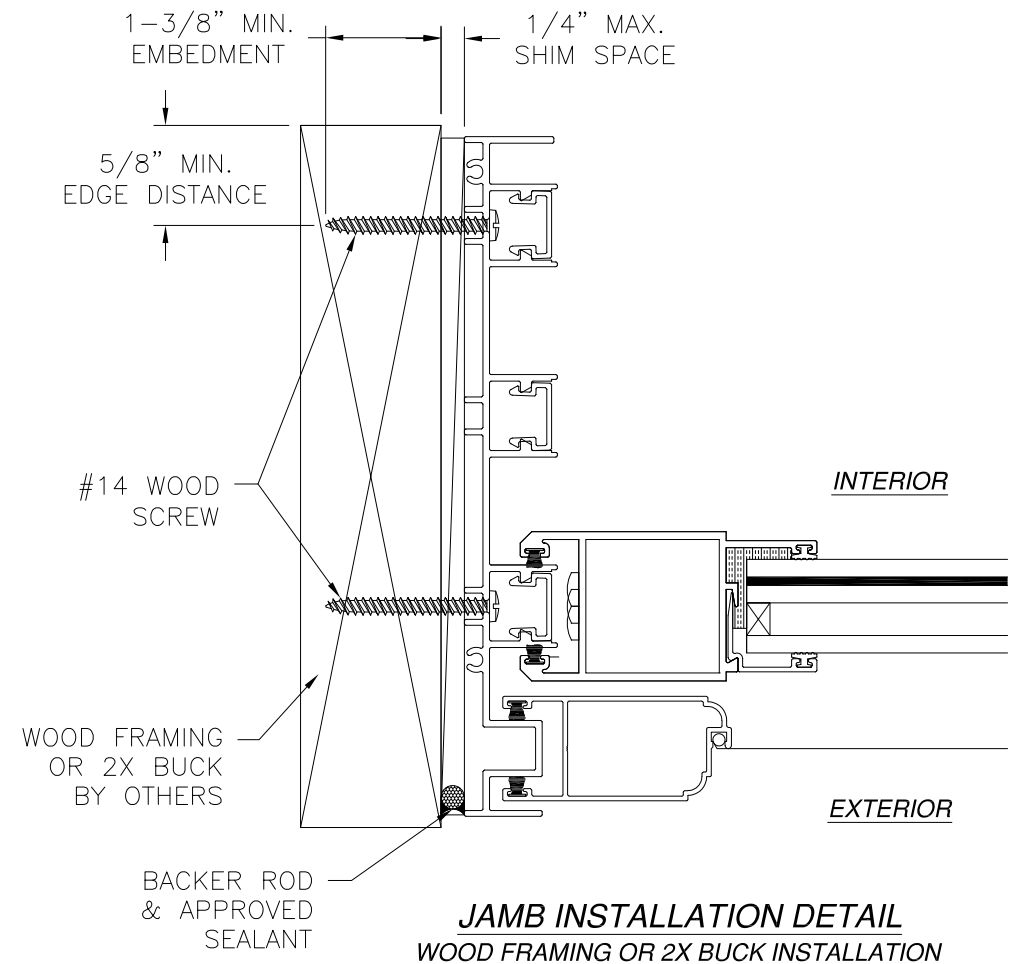


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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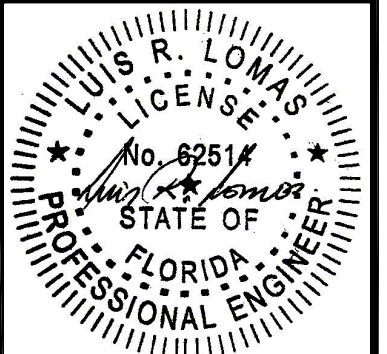
EASTERN ARCHITECTURAL SYSTEMS

16341 DOMESTIC AVENUE
FT. MYERS, FL 33912

SERIES 7000 ALUMINUM SLIDING GLASS DOOR
LARGE MISSILE IMPACT
3 TRACK INSTALLATION DETAILS

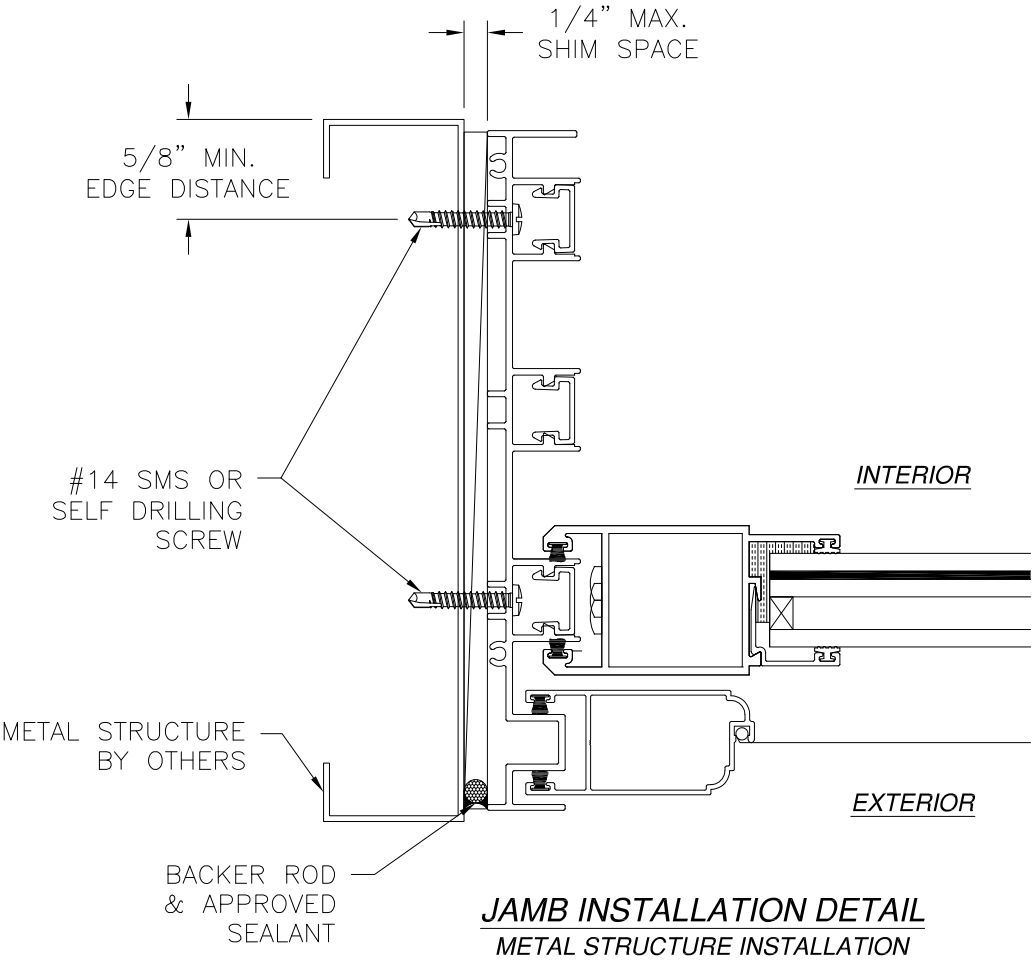
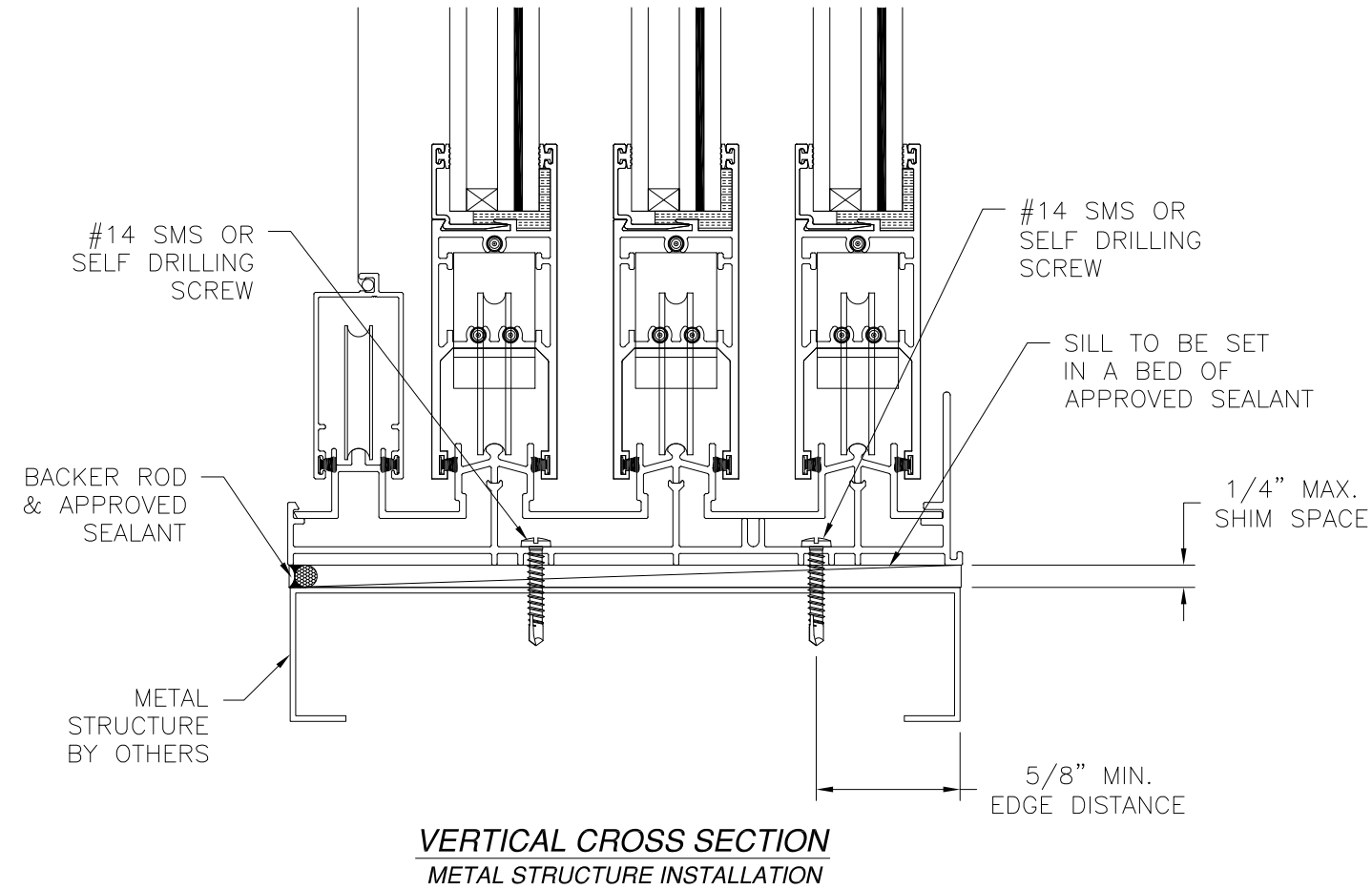
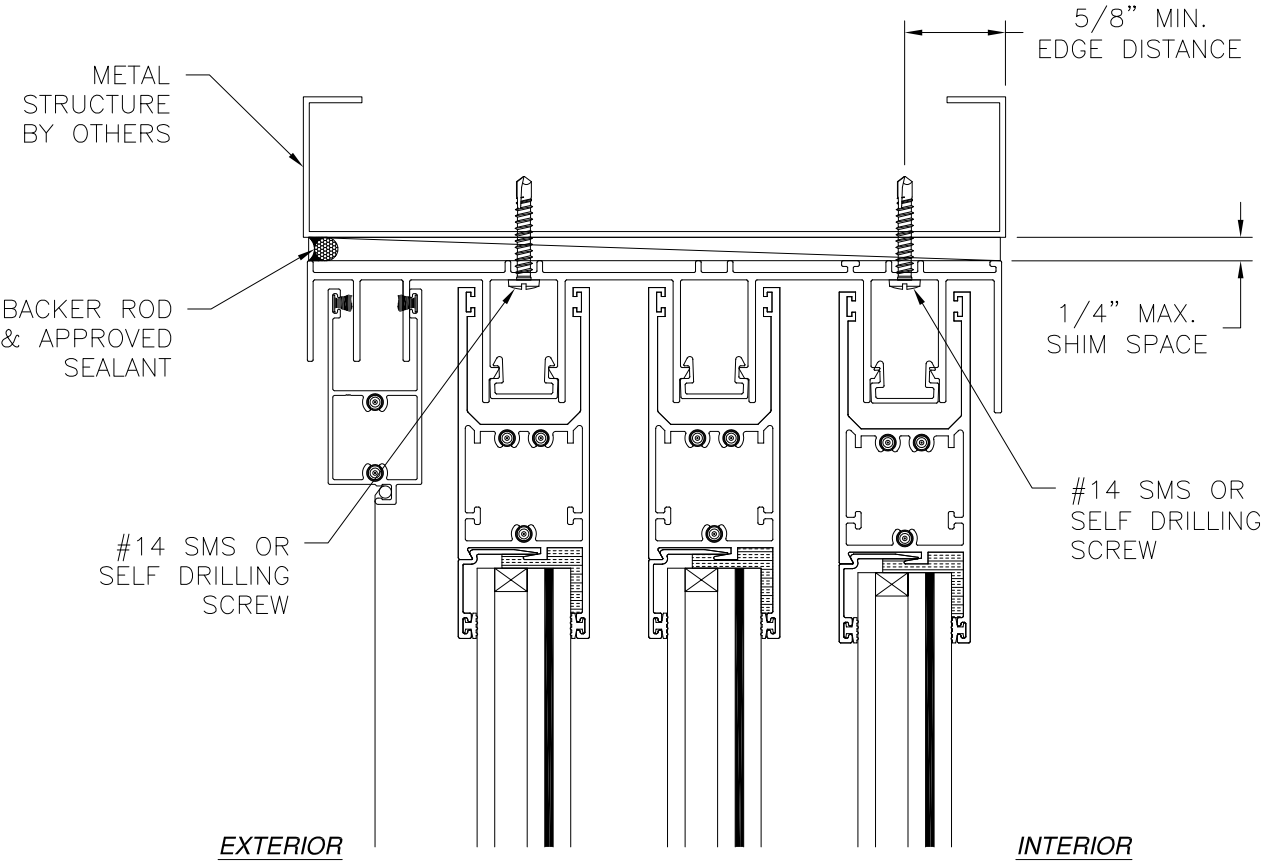
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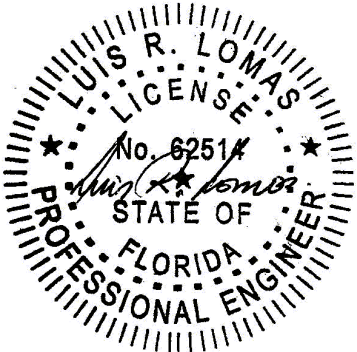
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SHEET 9 OF 19

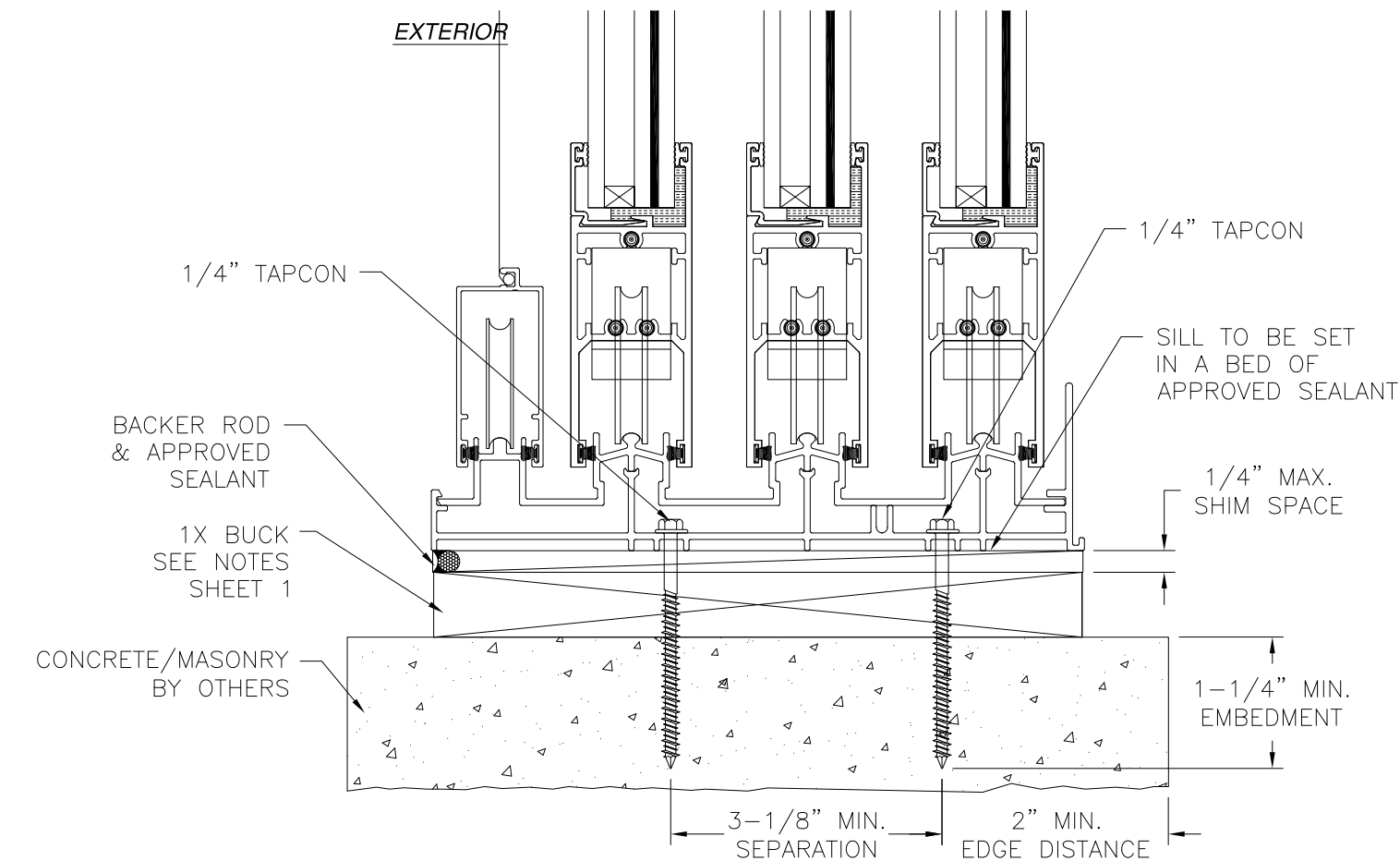
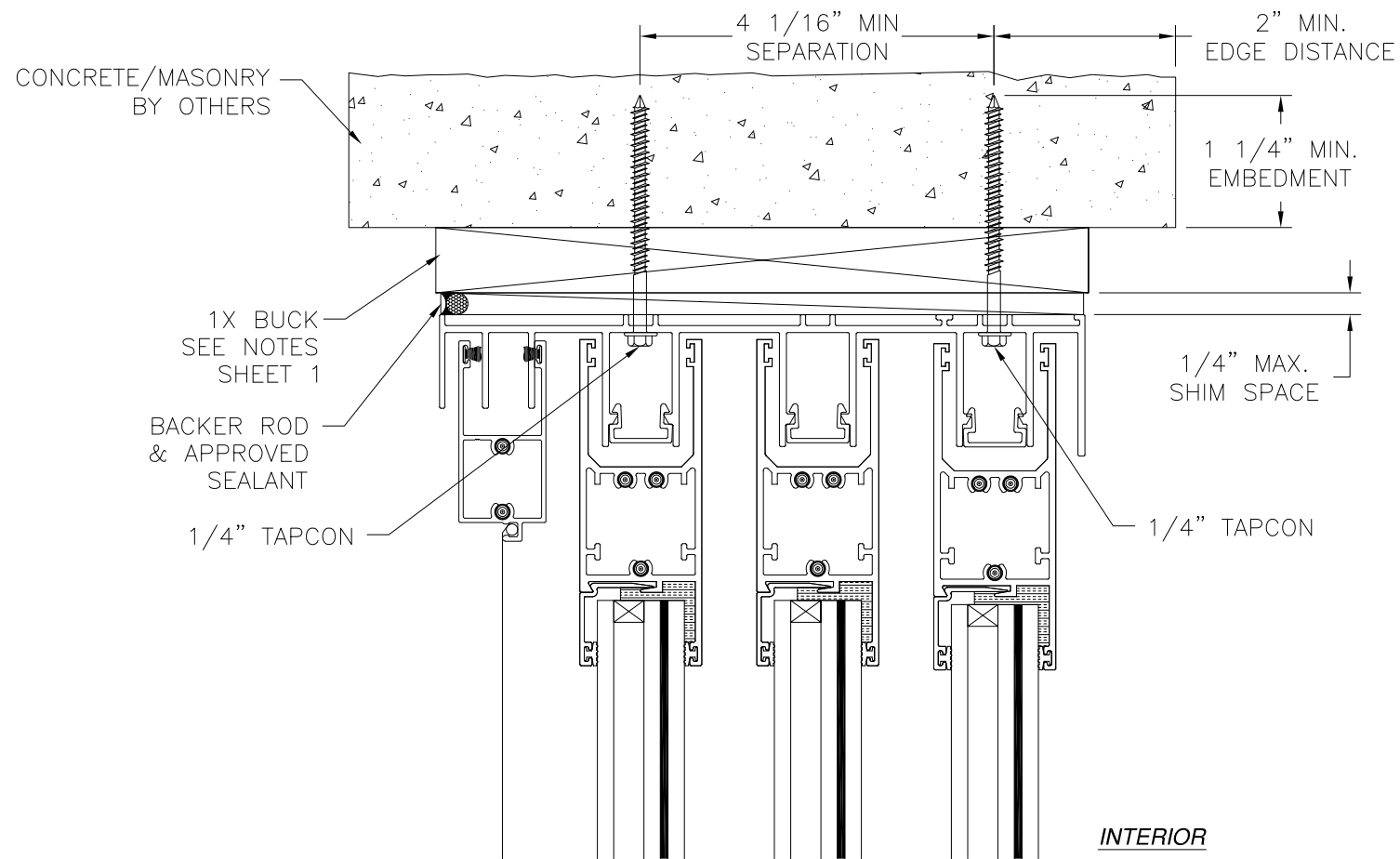
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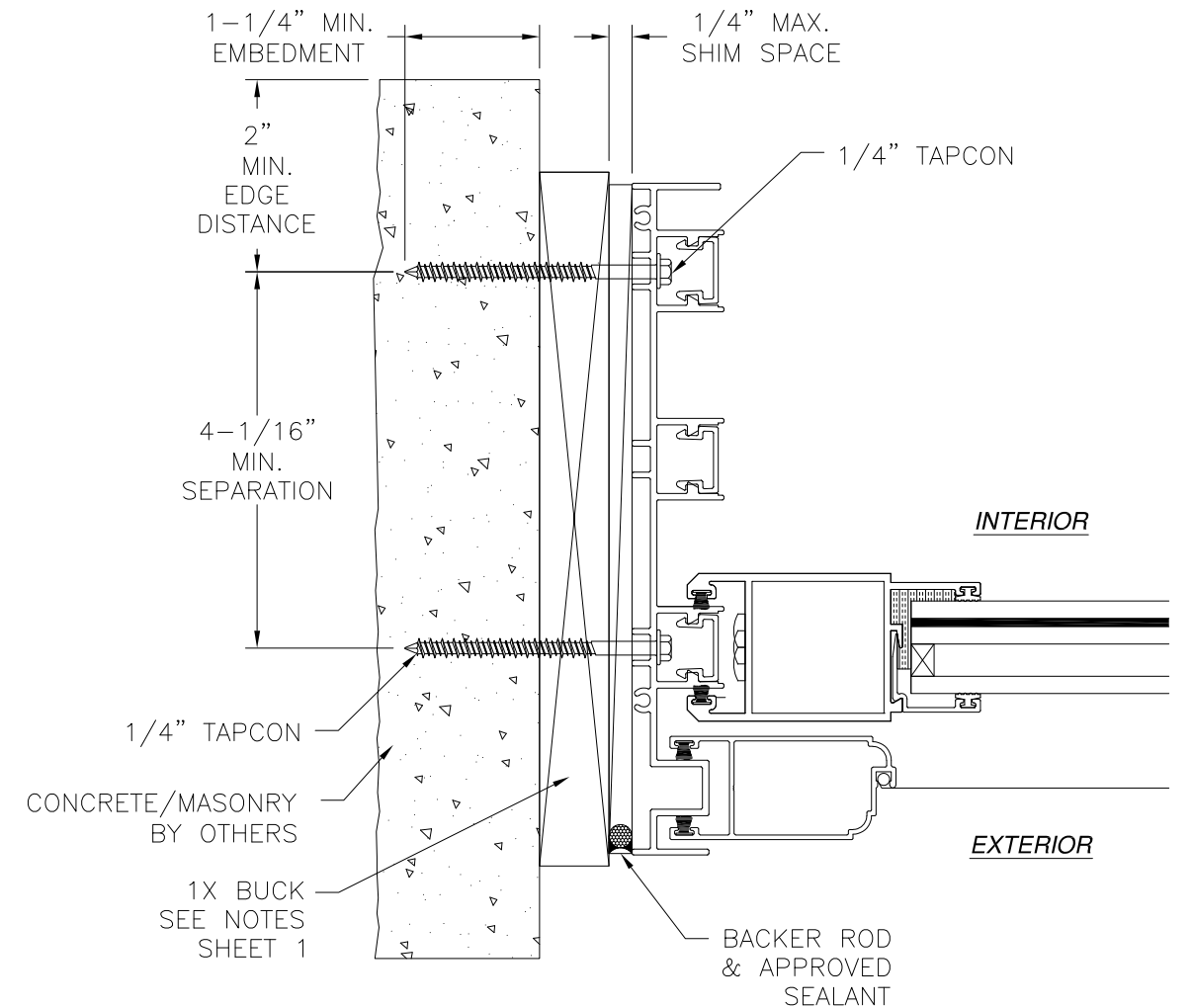


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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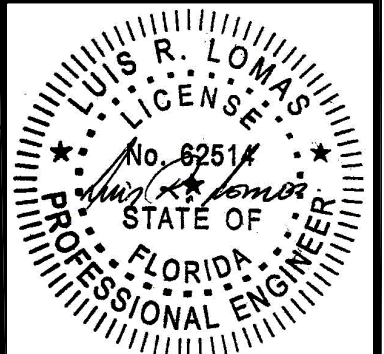
EASTERN ARCHITECTURAL SYSTEMS

16341 DOMESTIC AVENUE
FT. MYERS, FL 33912

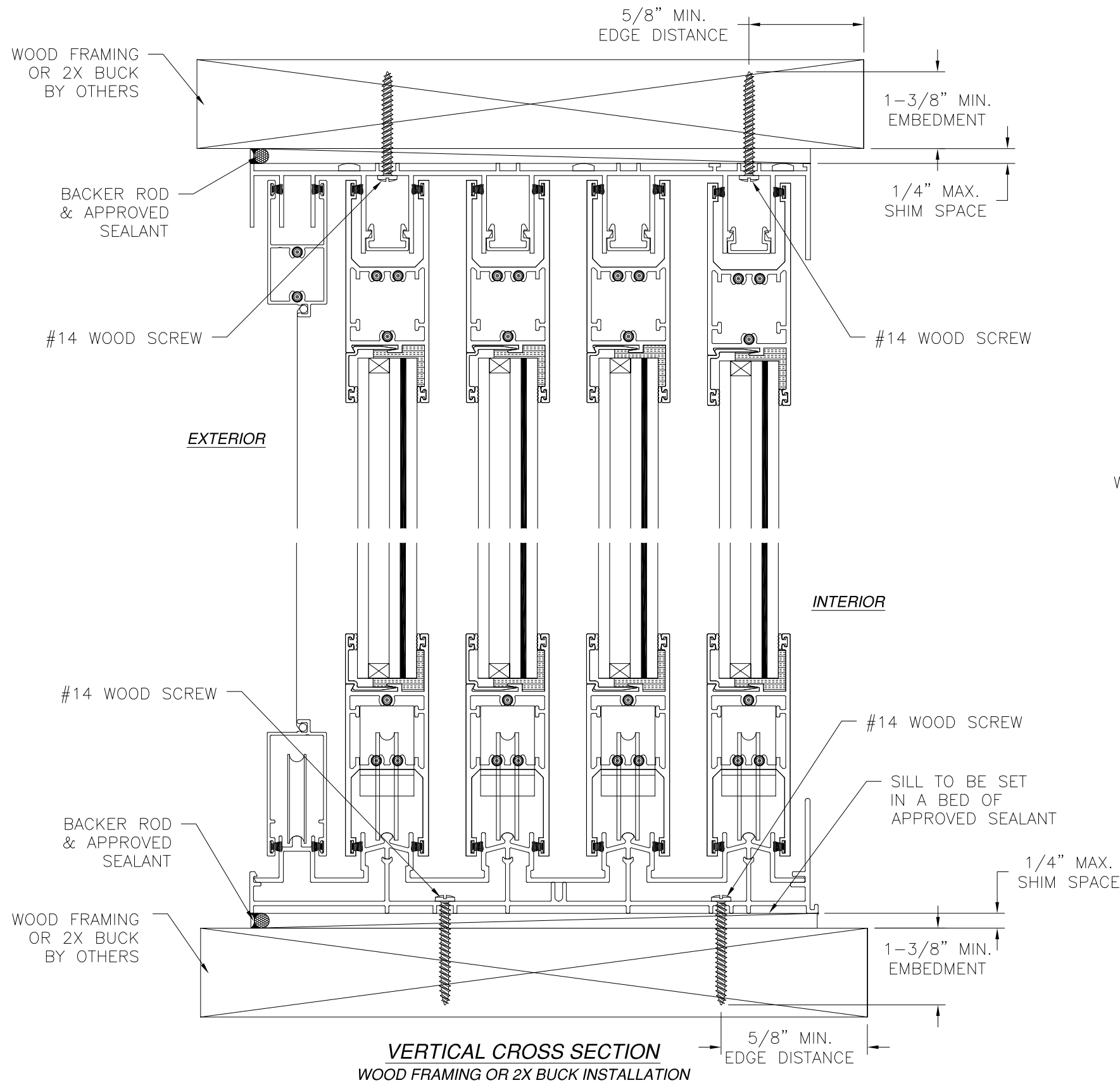
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LARGE MISSILE IMPACT
3 TRACK INSTALLATION DETAILS

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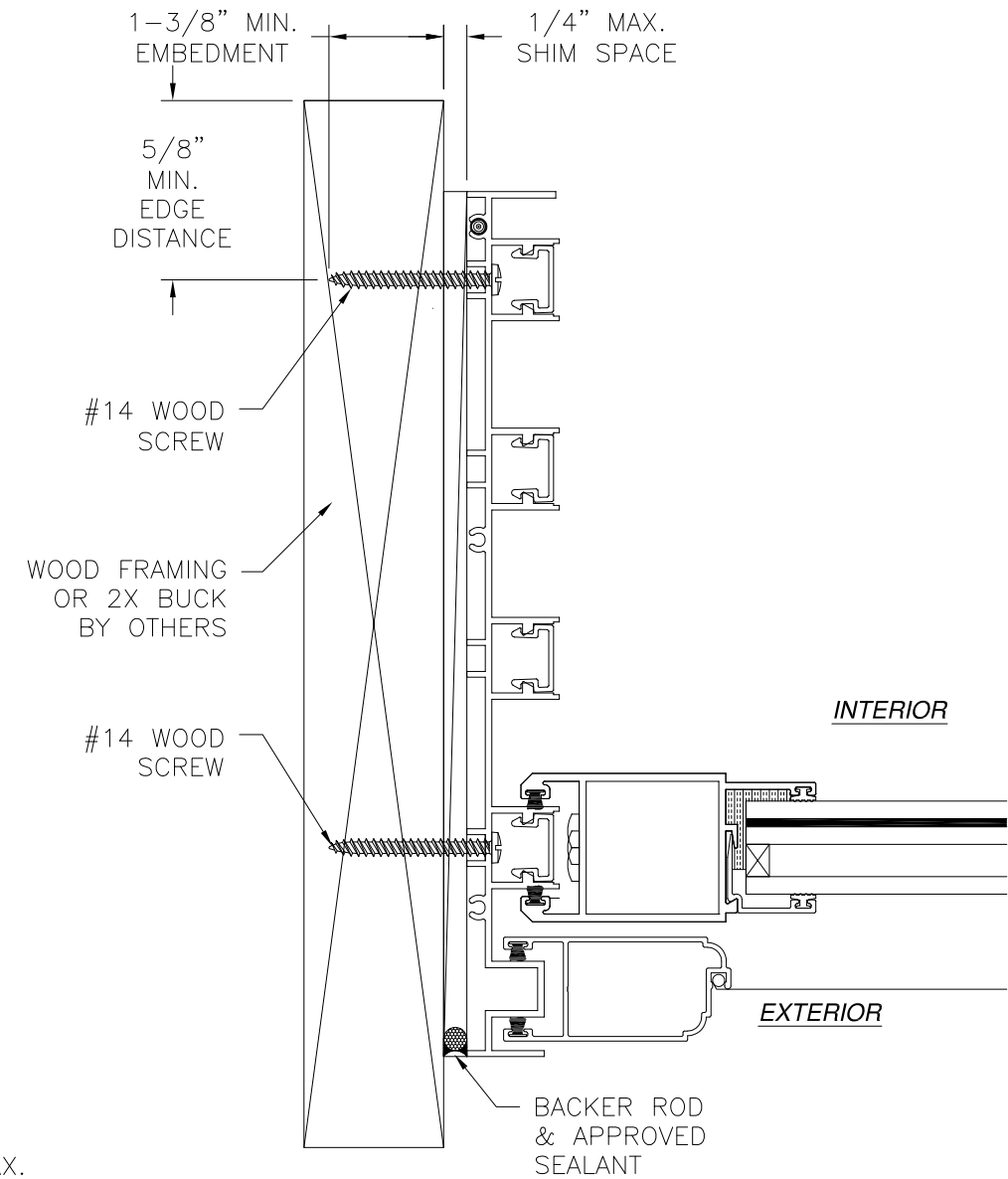


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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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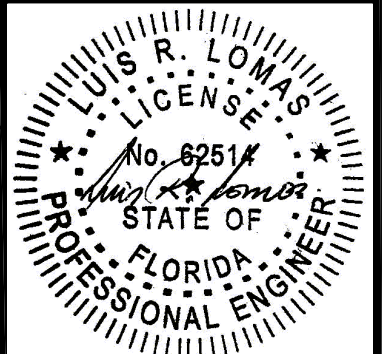
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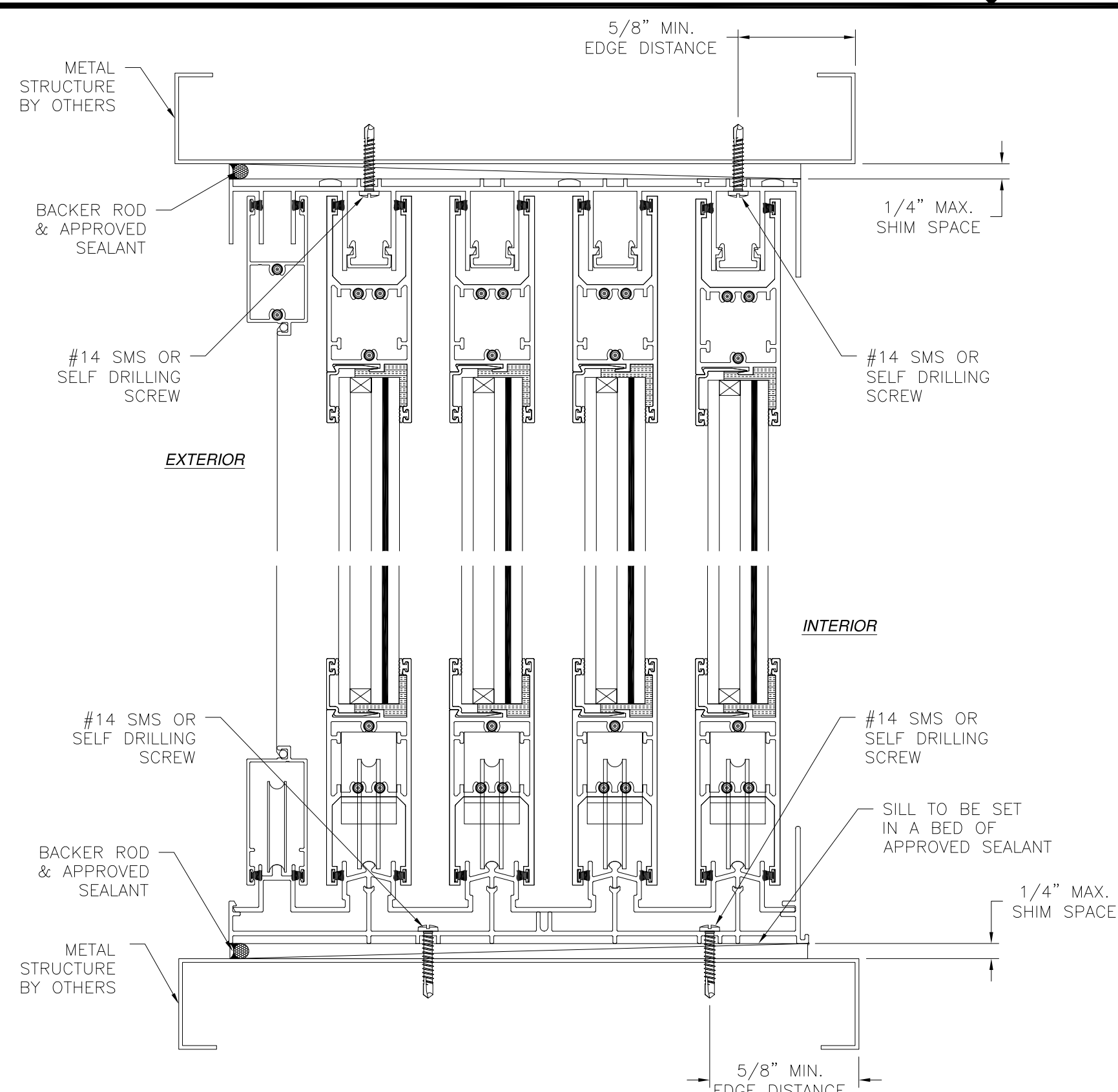
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LARGE MISSILE IMPACT
4 TRACK INSTALLATION DETAILS

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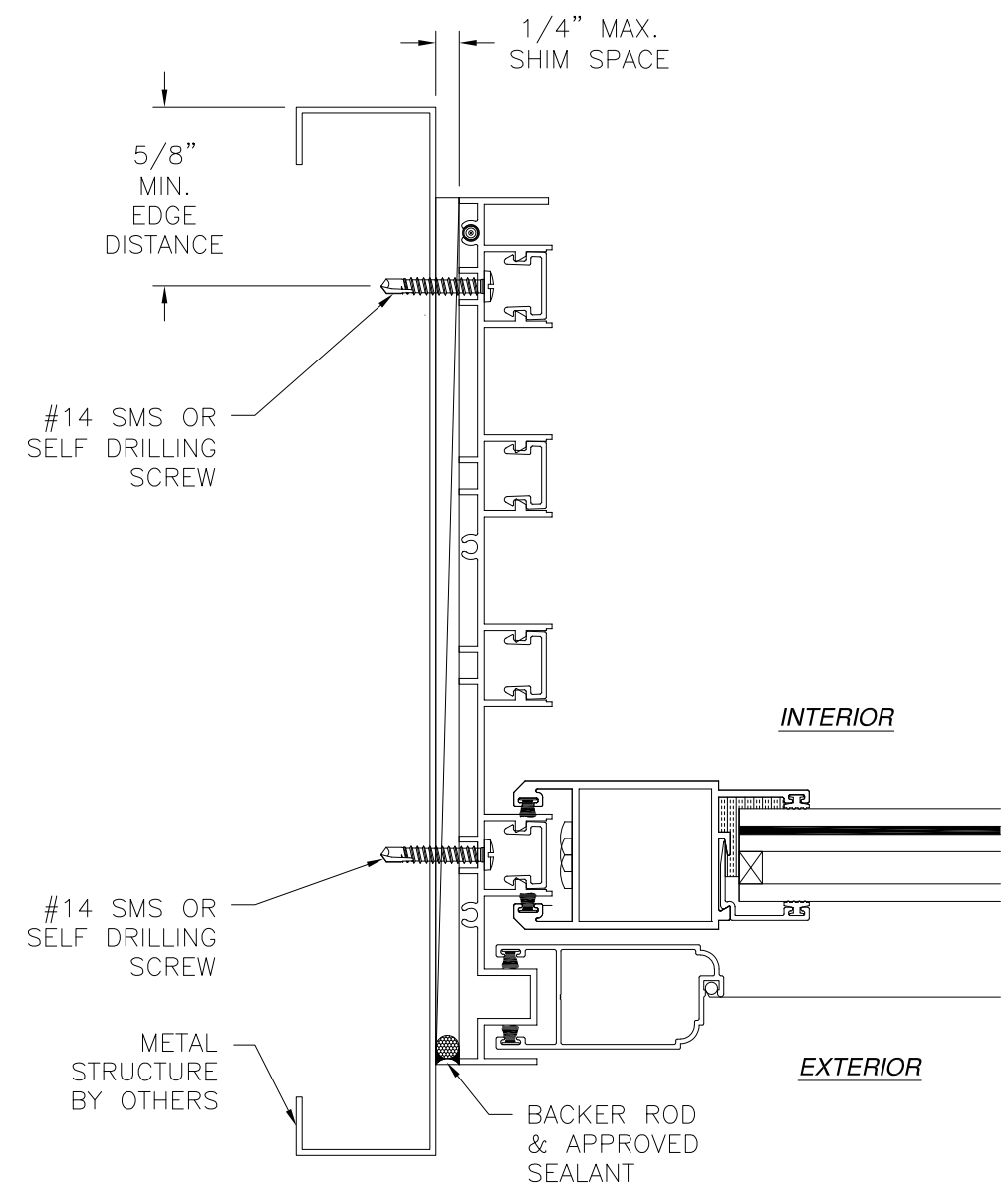
Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
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
A	REVISED PER NEW REQUIREMENTS	12/13/23	R.L.
B	UPDATED TO CURRENT FBC.	12/09/25	LMH



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

SIGNED: 01/21/2026

EASTERN ARCHITECTURAL SYSTEMS
16341 DOMESTIC AVENUE
FT. MYERS, FL 33912

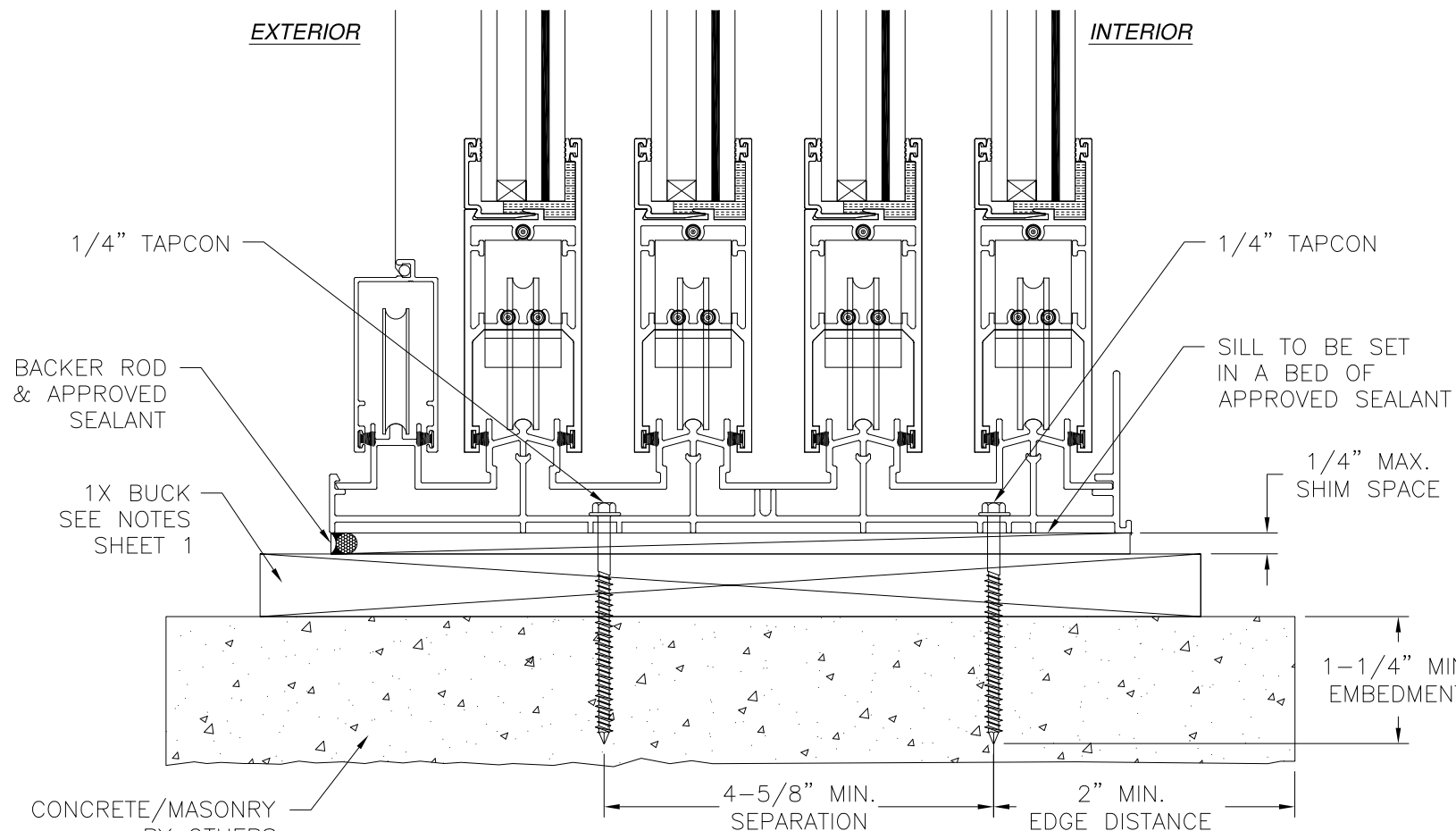
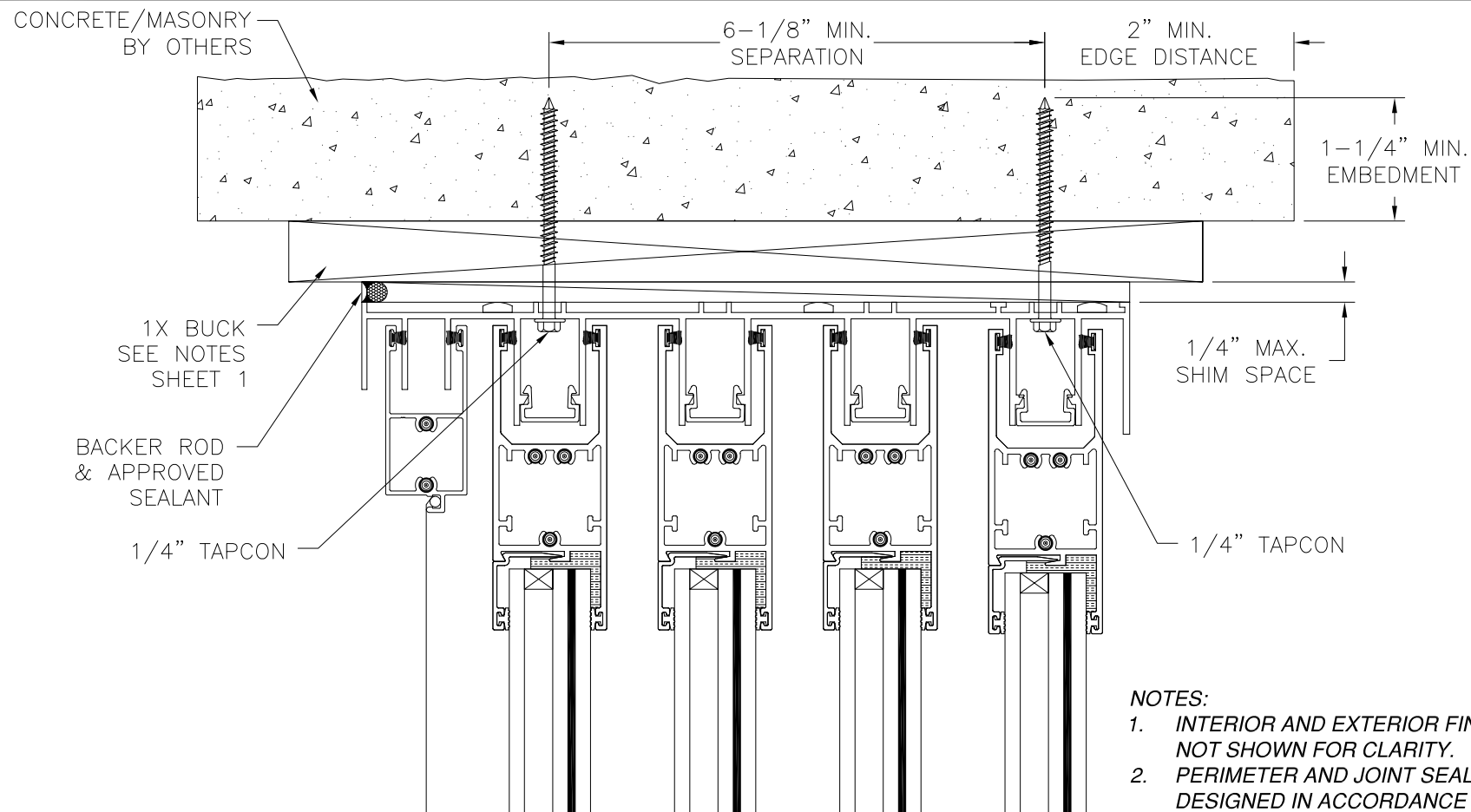
SERIES 7000 ALUMINUM SLIDING GLASS DOOR
LARGE MISSILE IMPACT
4 TRACK INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03375	REV B
SCALE NTS	DATE 12/13/18	SHEET 12 OF 19

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

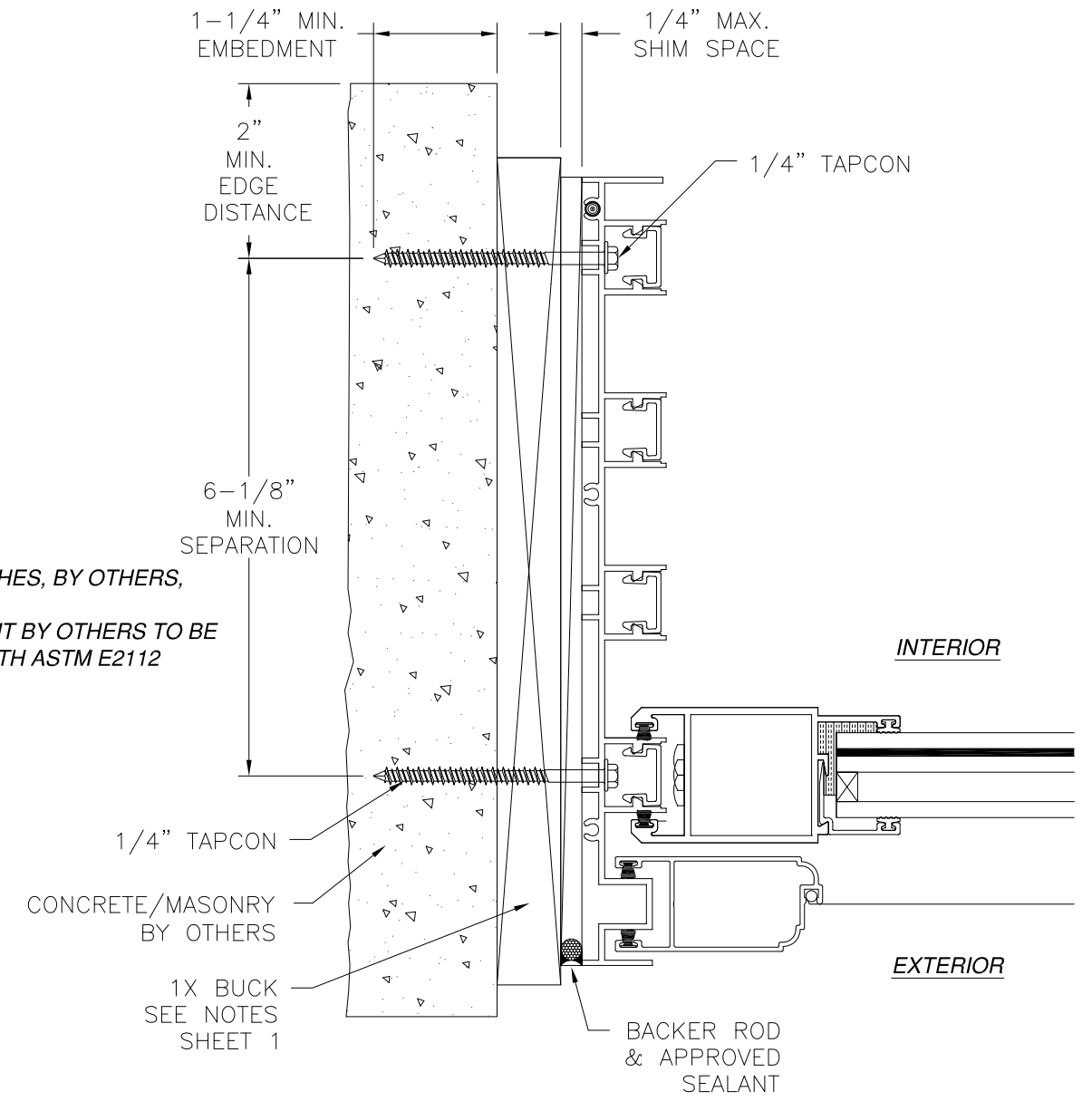
L. ROBERTO LOMAS P.E.
No. 62514
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/13/23	R.L.
B	UPDATED TO CURRENT FBC.	12/09/25	LMH



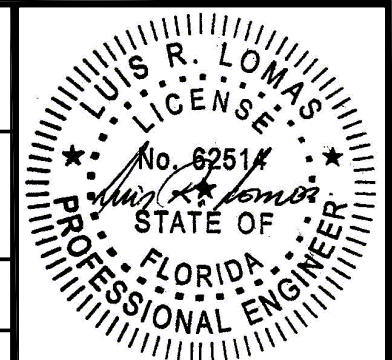
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION SIGNED: 01/21/2026

EASTERN ARCHITECTURAL SYSTEMS
16341 DOMESTIC AVENUE
FT. MYERS, FL 33912

SERIES 7000 ALUMINUM SLIDING GLASS DOOR
LARGE MISSILE IMPACT
4 TRACK INSTALLATION DETAILS

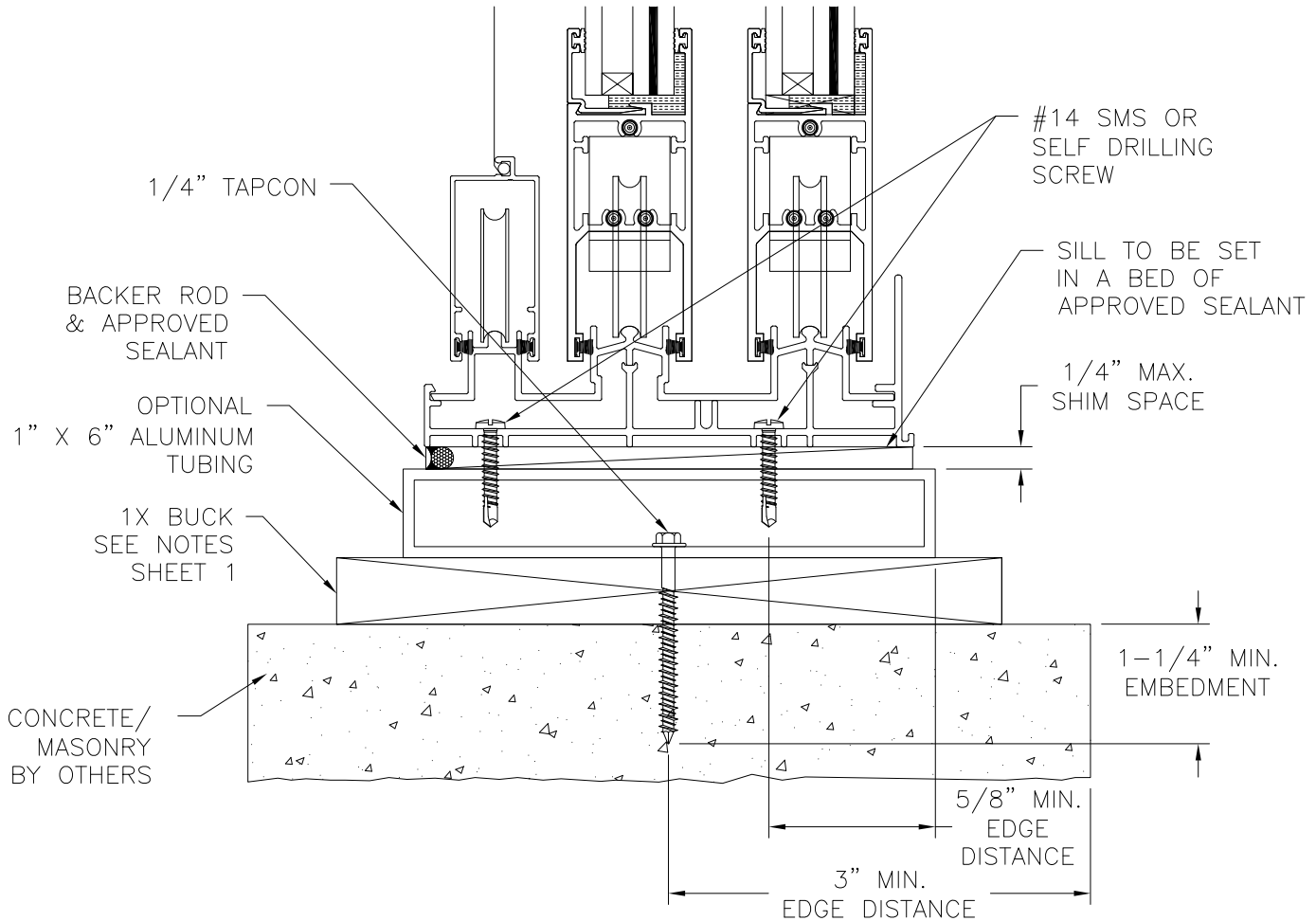
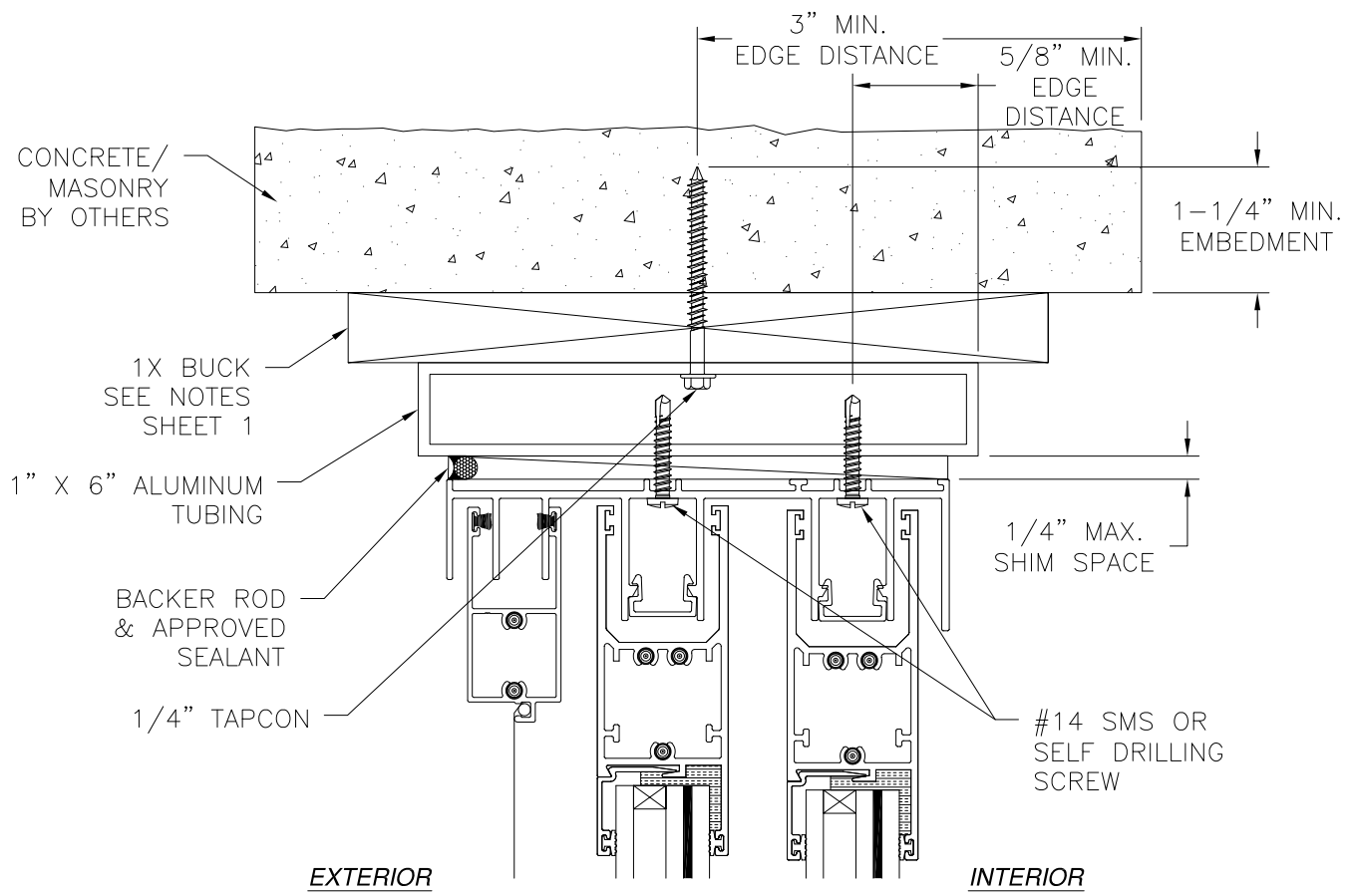
DRAWN: A.R.	DWG NO. 08-03375	REV B
SCALE NTS	DATE 12/13/18	SHEET 13 OF 19

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



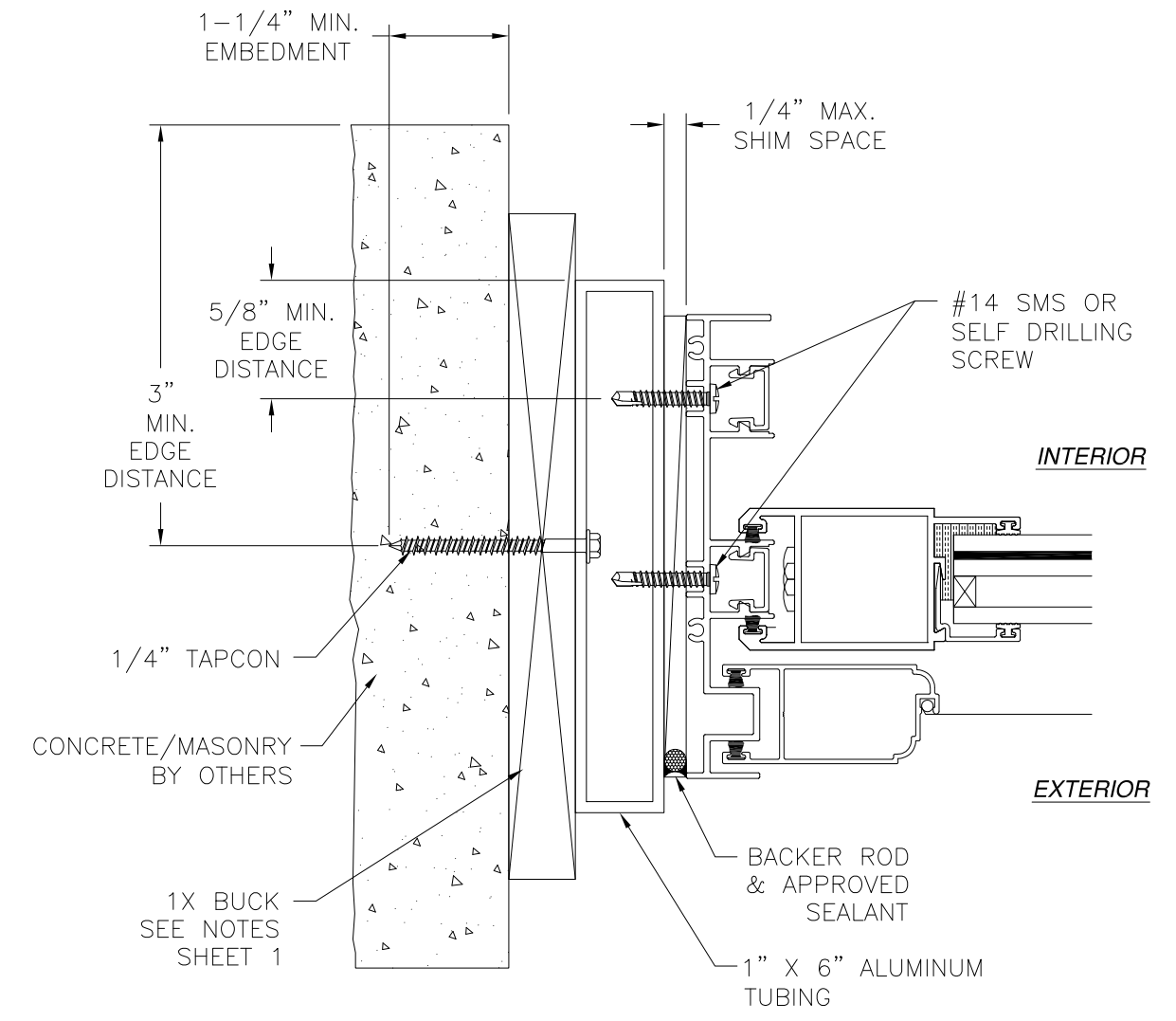
Luis R. Lomas P.E.
FL No.: 62514

FL 27113



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/13/23	R.L.
B	UPDATED TO CURRENT FBC.	12/09/25	LMH

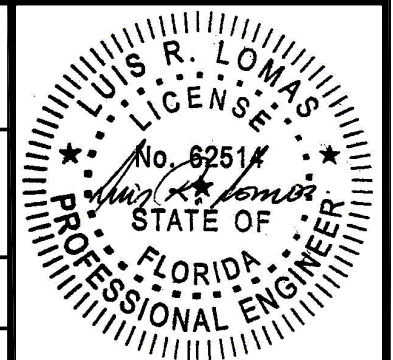


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

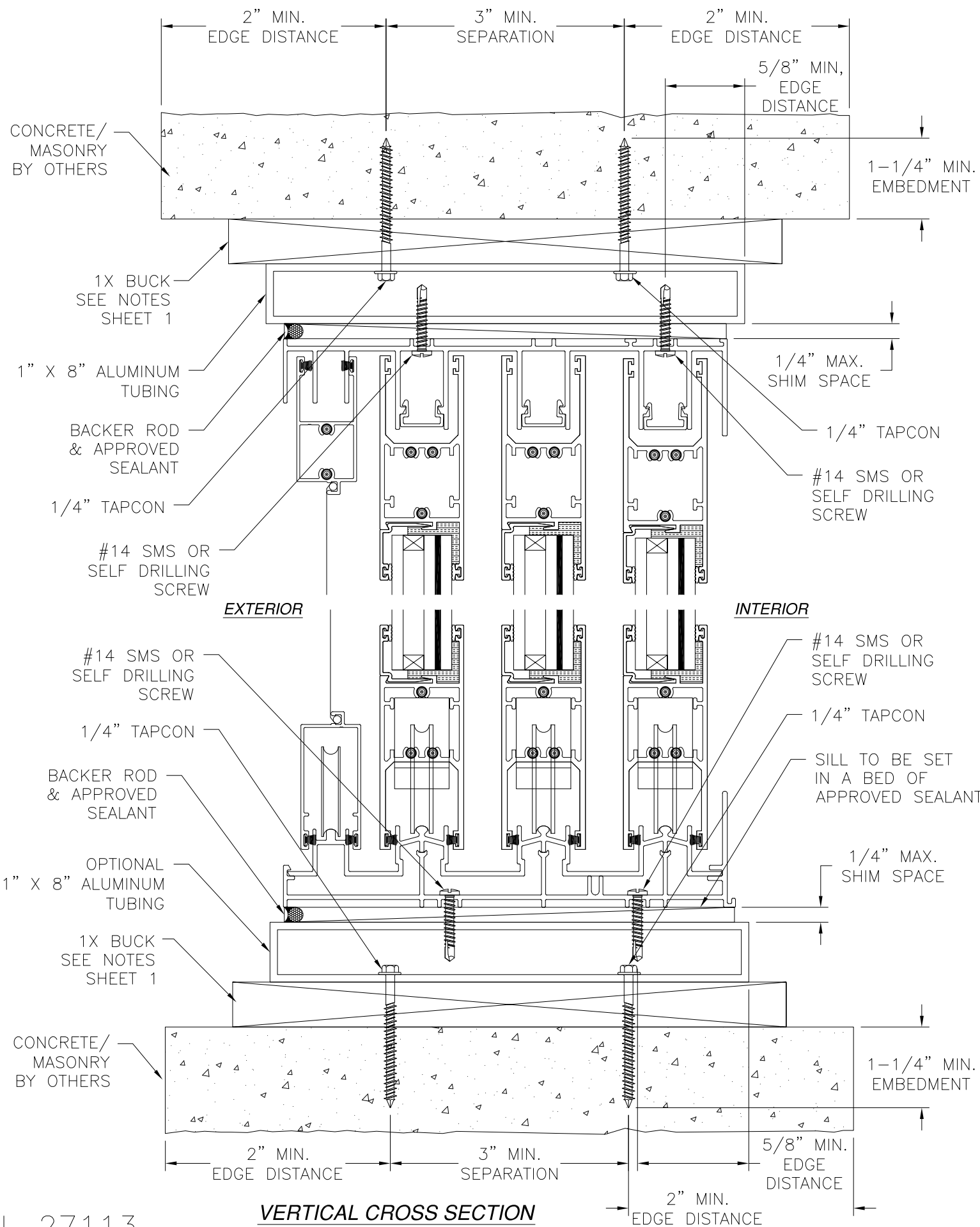
- NOTES:**
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 01/21/2026

EASTERN ARCHITECTURAL SYSTEMS 16341 DOMESTIC AVENUE FT. MYERS, FL 33912		
SERIES 7000 ALUMINUM SLIDING GLASS DOOR LARGE MISSILE IMPACT 2 TRACK BUILD OUT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03375	REV B
SCALE NTS	DATE 12/13/18	SHEET 14 OF 19
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

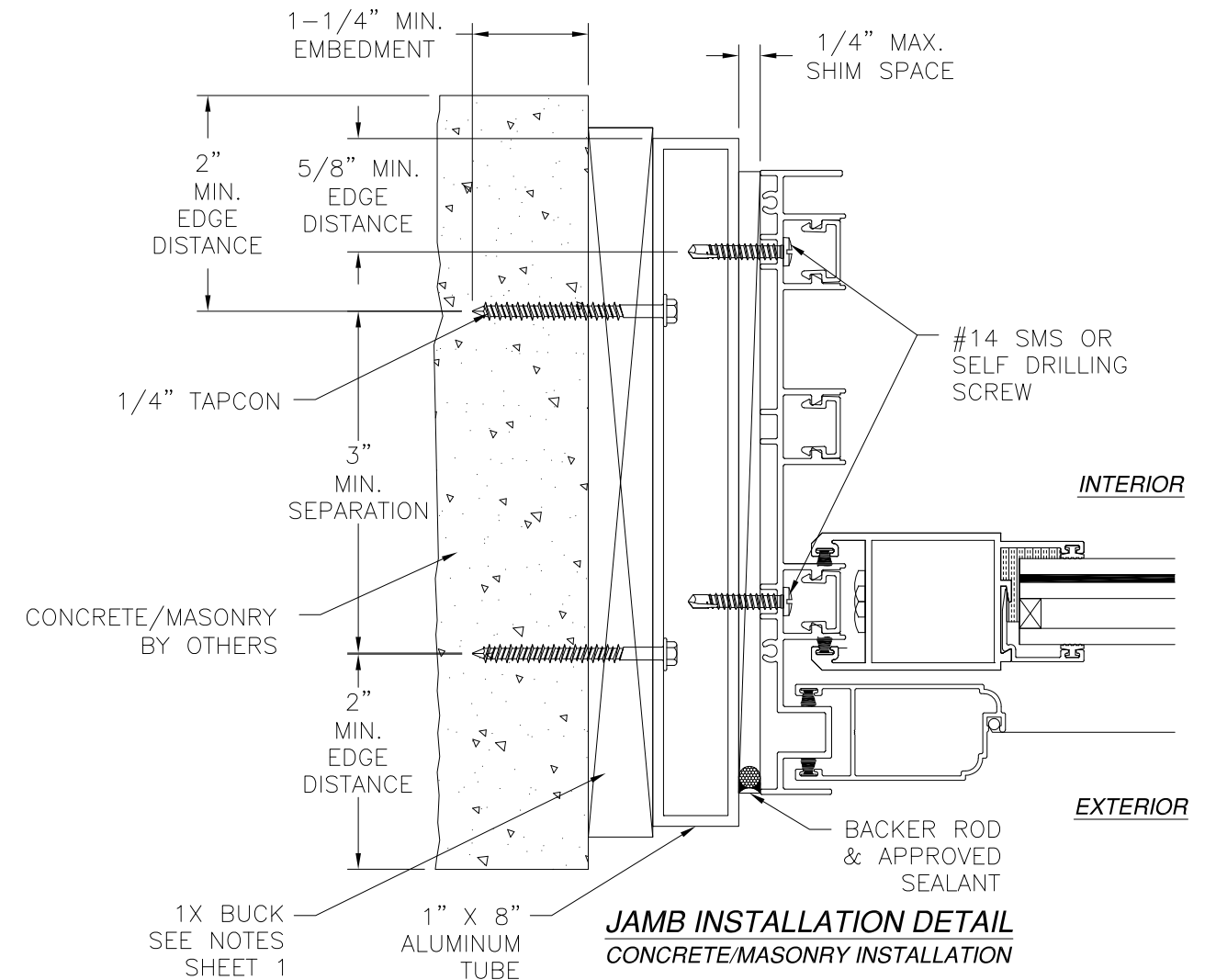


Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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NOTES:

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SIGNED: 01/21/2026

EASTERN ARCHITECTURAL SYSTEMS

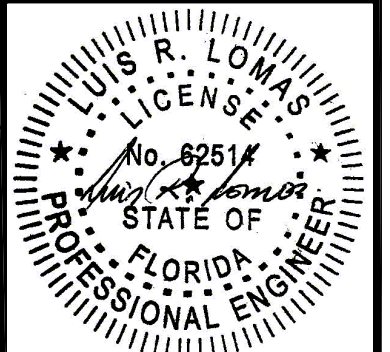
16341 DOMESTIC AVENUE
FT. MYERS, FL 33912

SERIES 7000 ALUMINUM SLIDING GLASS DOOR
LARGE MISSILE IMPACT

3 TRACK BUILD OUT INSTALLATION DETAILS

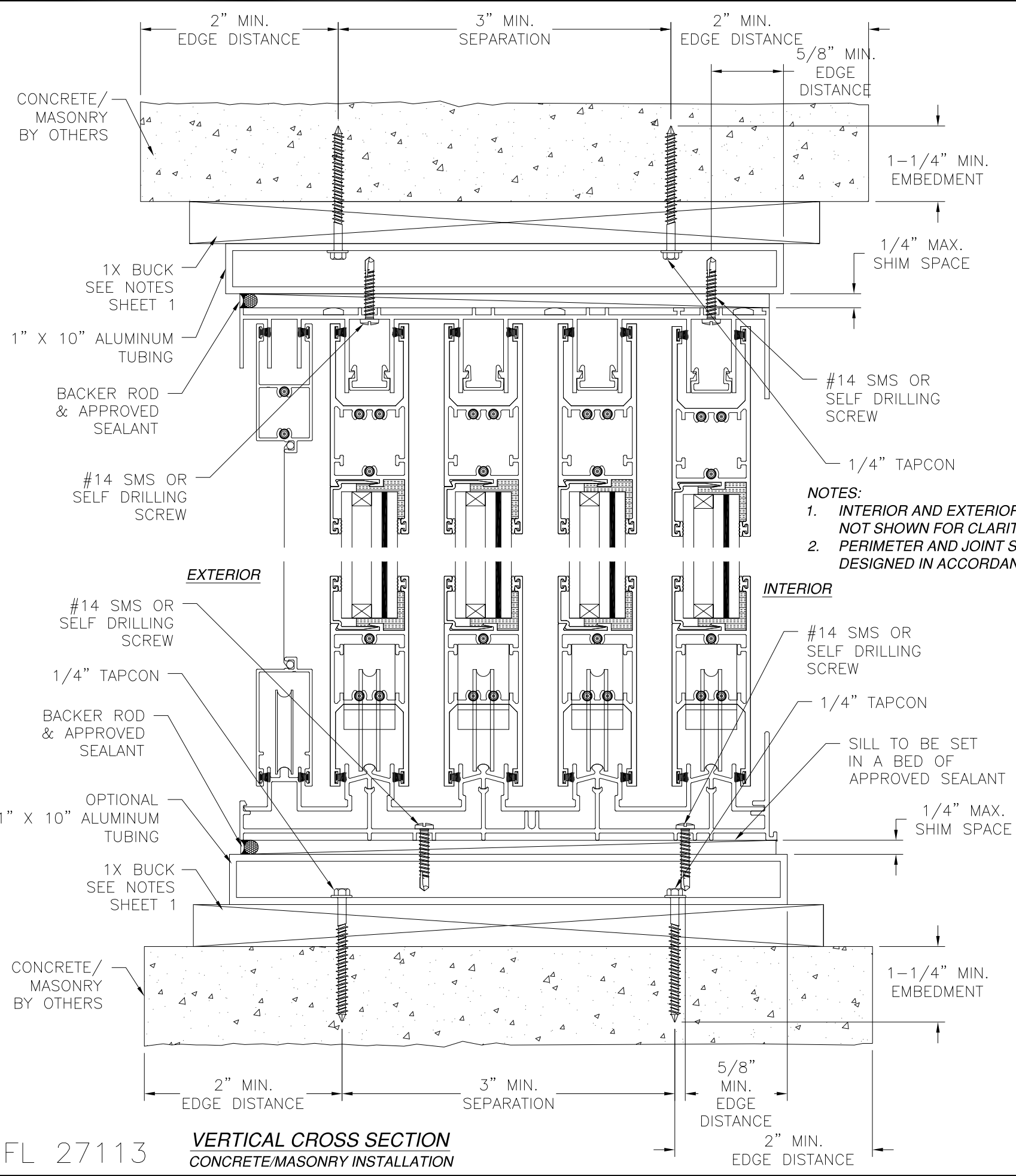
DRAWN: A.R.	DWG NO. 08-03375	REV B
SCALE NTS	DATE 12/13/18	SHEET 15 OF 19

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



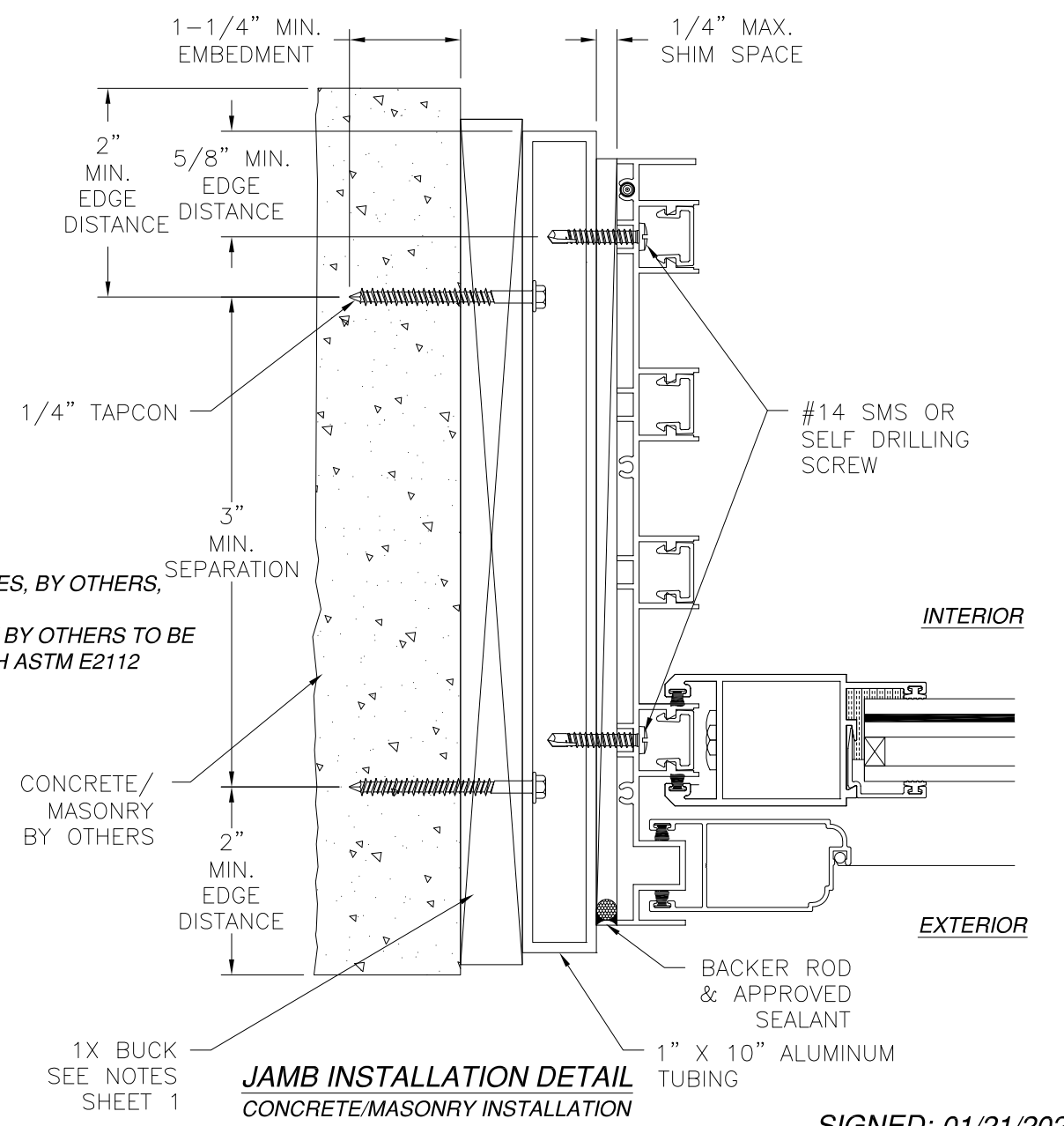
Luis R. Lomas P.E.
FL No.: 62514

FL 27113



- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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SIGNED: 01/21/2026

FL 27113

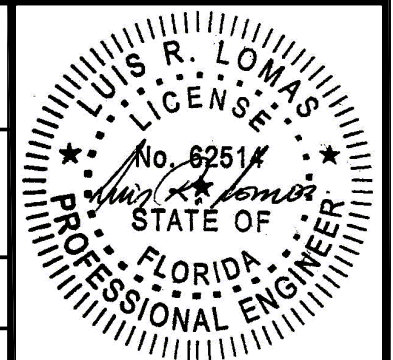
VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

EASTERN ARCHITECTURAL SYSTEMS
16341 DOMESTIC AVENUE
FT. MYERS, FL 33912

SERIES 7000 ALUMINUM SLIDING GLASS DOOR
LARGE MISSILE IMPACT
4 TRACK BUILD OUT INSTALLATION DETAILS

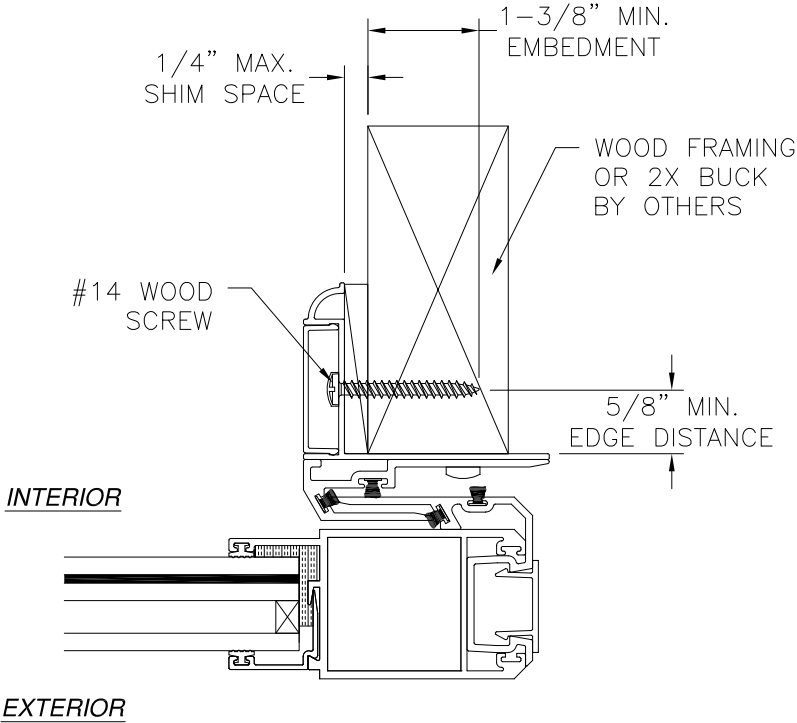
DRAWN: A.R.	DWG NO. 08-03375	REV B
SCALE NTS	DATE 12/13/18	SHEET 16 OF 19

L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

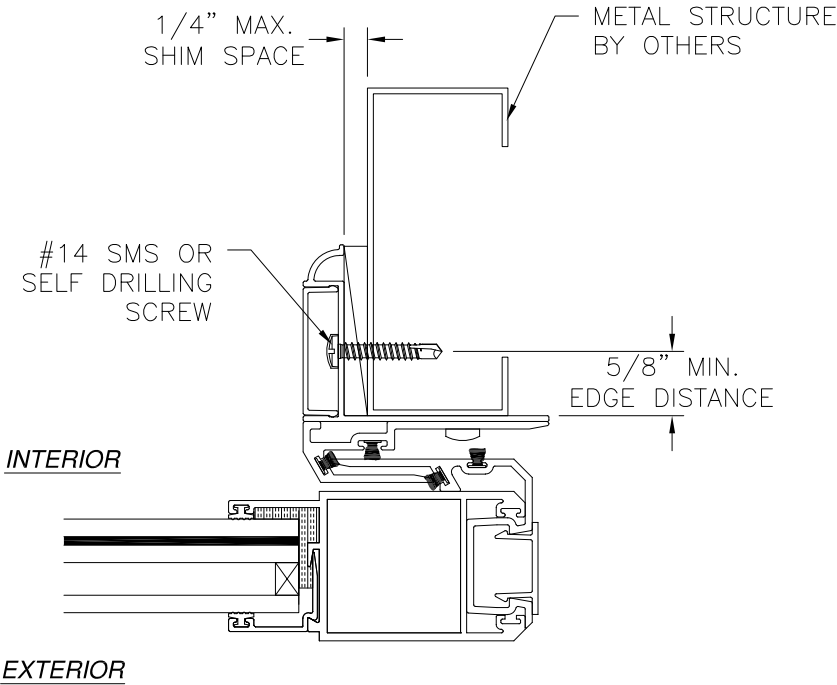


Luis R. Lomas P.E.
FL No.: 62514

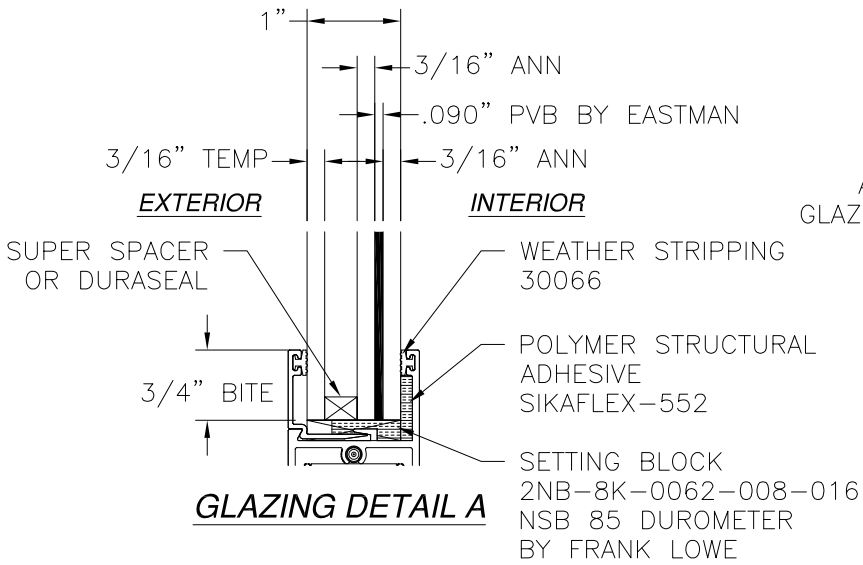
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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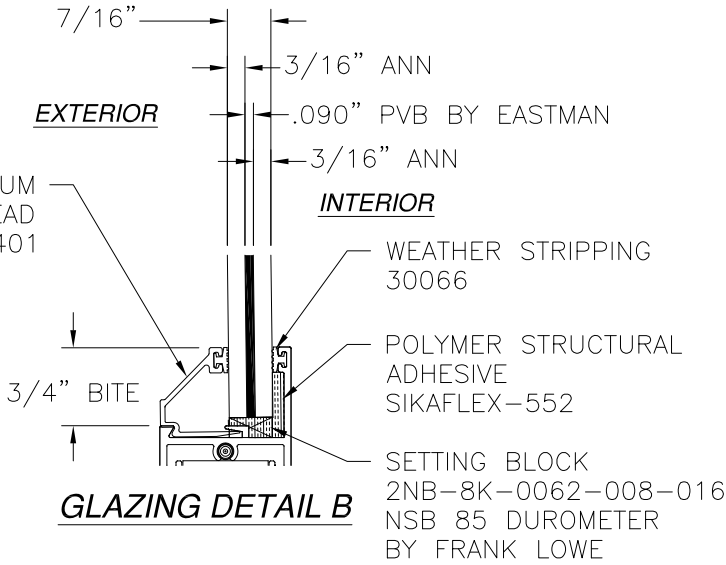
HOOK INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



HOOK INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



GLAZING DETAIL A



GLAZING DETAIL B

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SIGNED: 01/21/2026

EASTERN ARCHITECTURAL SYSTEMS

16341 DOMESTIC AVENUE
FT. MYERS, FL 33912

SERIES 7000 ALUMINUM SLIDING GLASS DOOR
LARGE MISSILE IMPACT
HOOK INSTALLATION DETAILS

DRAWN:
A.R.

DWG NO.
08-03375

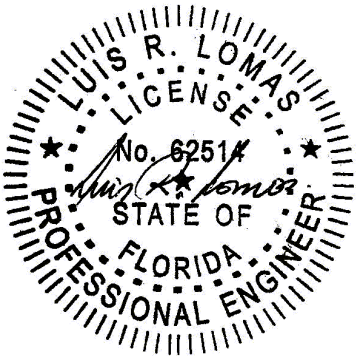
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B

SCALE
NTS

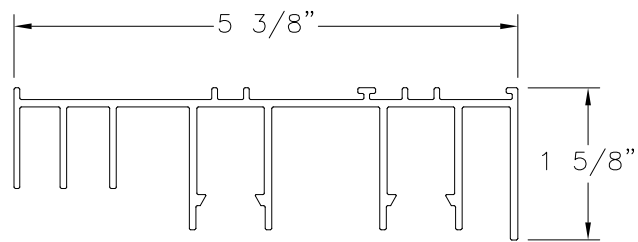
DATE
12/13/18

SHEET
17 OF 19

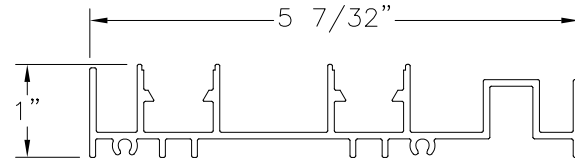
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



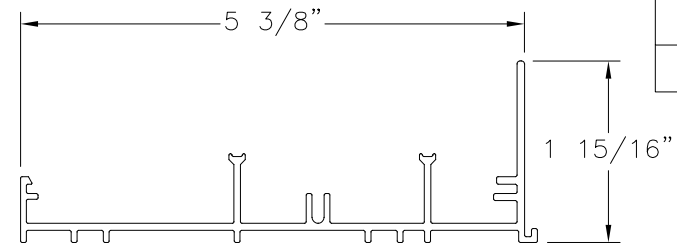
Luis R. Lomas P.E.
FL No.: 62514



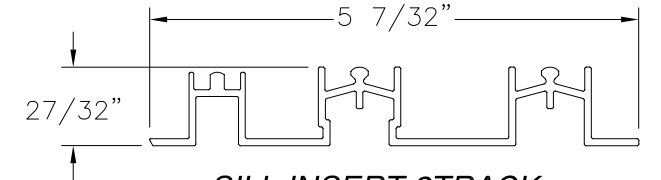
FRAME HEAD 2TRACK
ALUMINUM 6063-T6 BY SAPA (57339)



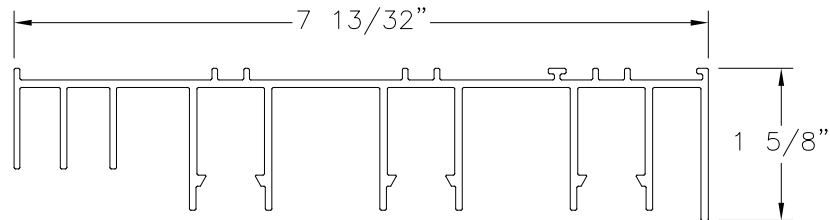
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ALUMINUM 6063-T6 BY SAPA (57336)



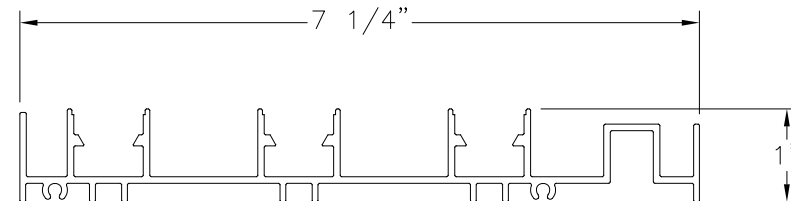
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ALUMINUM 6063-T6 BY SAPA (3291)



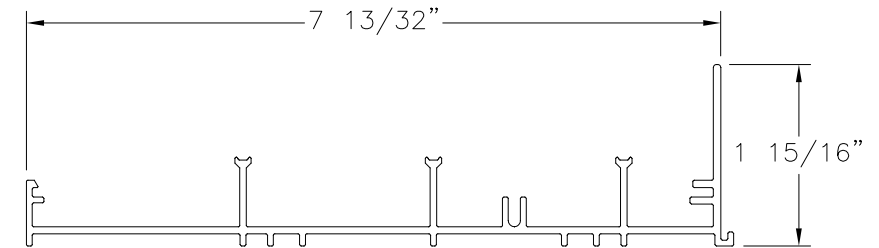
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ALUMINUM 6063-T6 BY SAPA (3288)



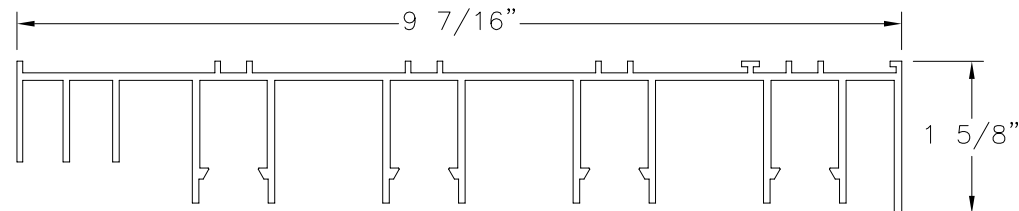
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ALUMINUM 6063-T6 BY SAPA (57339)



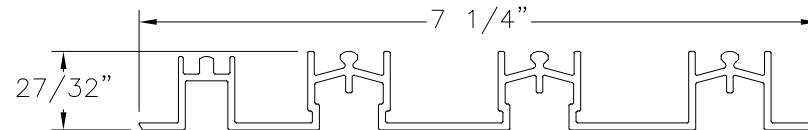
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ALUMINUM 6063-T6 BY SAPA (57336)



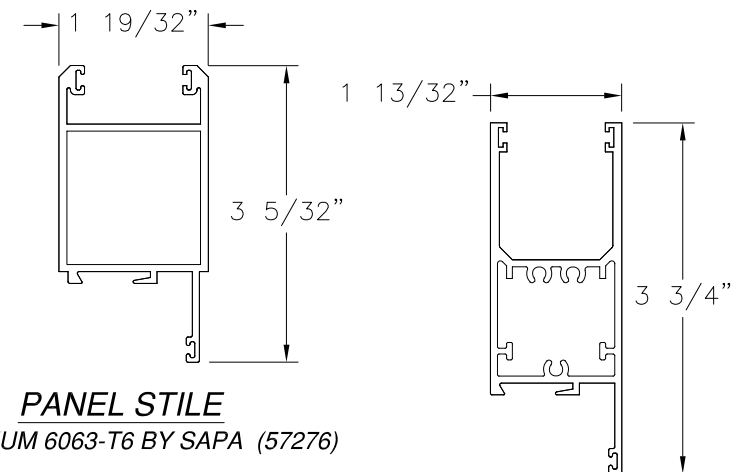
FRAME SILL 3TRACK
ALUMINUM 6063-T6 BY SAPA (3291)



FRAME HEAD 4TRACK
ALUMINUM 6063-T6 BY SAPA (57339)

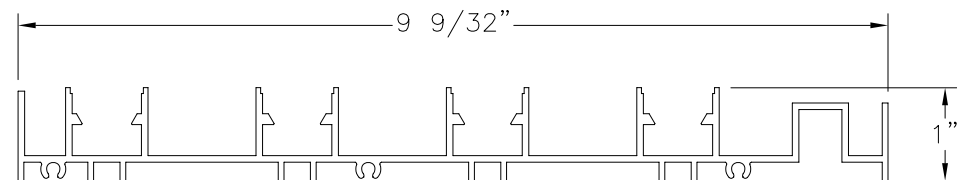


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ALUMINUM 6063-T6 BY SAPA (3288)

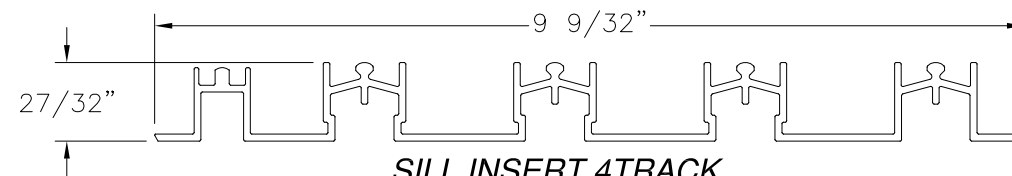


PANEL STILE
ALUMINUM 6063-T6 BY SAPA (57276)

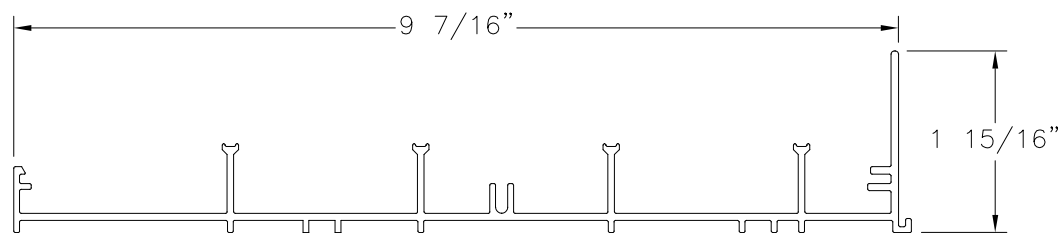
PANEL TOP & BOTTOM RAIL
ALUMINUM 6063-T6 BY SAPA (57275)



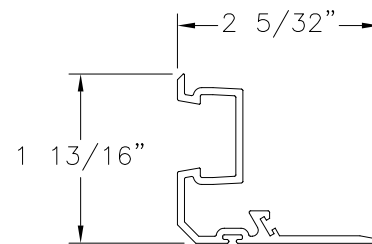
FRAME JAMB 4TRACK
ALUMINUM 6063-T6 BY SAPA (57336)



SILL INSERT 4TRACK
ALUMINUM 6063-T6 BY SAPA (3288)



FRAME SILL 4TRACK
ALUMINUM 6063-T6 BY SAPA (3291)



PANEL INTELOCK ADAPTER
ALUMINUM 6063-T6 BY SAPA (57277)

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/13/23	R.L.
B	UPDATED TO CURRENT FBC.	12/09/25	LMH

EASTERN ARCHITECTURAL SYSTEMS

16341 DOMESTIC AVENUE
FT. MYERS, FL 33912

SERIES 7000 ALUMINUM SLIDING GLASS DOOR
LARGE MISSILE IMPACT
COMPONENTS

DRAWN:
A.R.

DWG NO.
08-03375

REV
B

SCALE NTS

DATE 12/13/18

SHEET 18 OF 19

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

SIGNED: 01/21/2026

LUIS R. LOMAS

FLORIDA

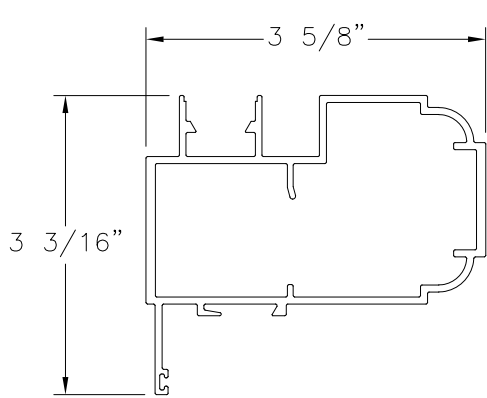
PROFESSIONAL ENGINEER

No. 62514

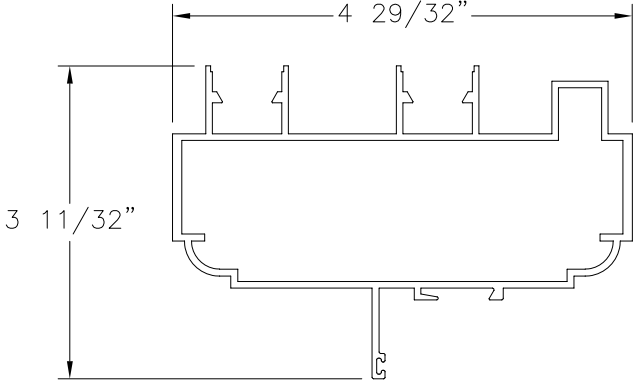
Luis R. Lomas P.E.
FL No.: 62514



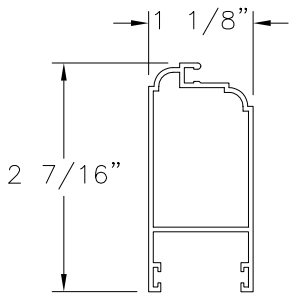
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/13/23	R.L.
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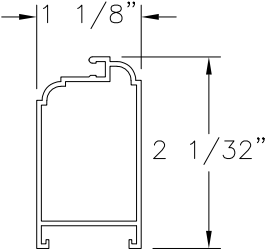
OXXO BUTT STILE
ALUMINUM 6063-T6 BY SAPA (57274)



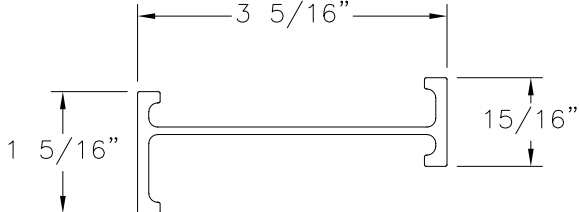
OXO BUTT STILE
ALUMINUM 6063-T6 BY SAPA (57314)



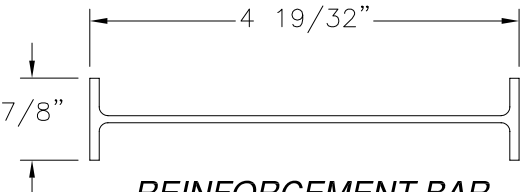
SCREEN LOCK STILE
ALUMINUM 6063-T6 BY SAPA (GAH-49298)



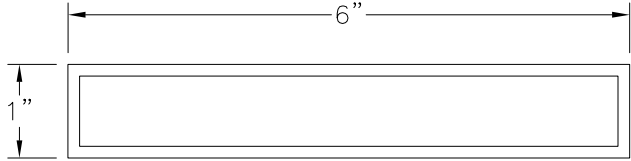
INTERLOCK SCREEN STILE
ALUMINUM 6063-T6 BY SAPA (GAH-49197)



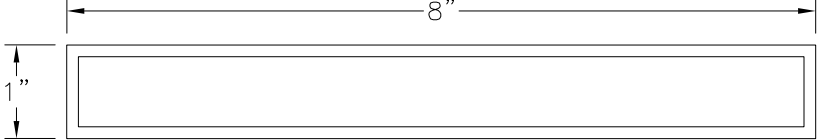
**REINFORCEMENT BAR
OXXO BUTT STILE**
ALUMINUM 6063-T6 BY SAPA (57282)



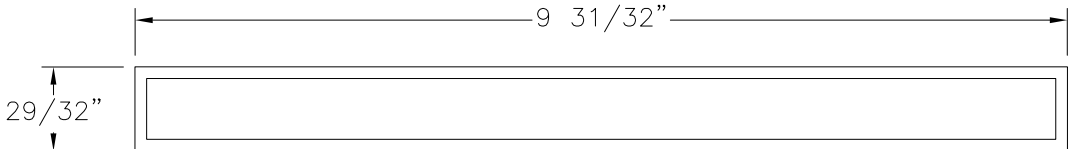
**REINFORCEMENT BAR
OXO BUTT STILE**
ALUMINUM 6063-T6 BY SAPA (57316)



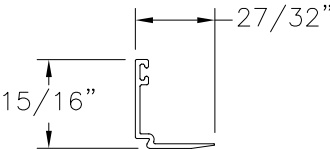
BUILD OUT FRAME 2 TRACK
ALUMINUM 6063-T5 (.125" THICK)



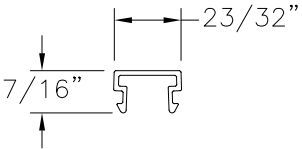
BUILD OUT FRAME 3 TRACK
ALUMINUM 6063-T5 (.125" THICK)



BUILD OUT FRAME 4 TRACK
ALUMINUM 6063-T5 (.125" THICK)



GLAZING BEAD
ALUMINUM 6063-T6 BY SAPA (57278)



ANCHOR COVER
ALUMINUM 6063-T6 BY SAPA (57398)

SIGNED: 01/21/2026

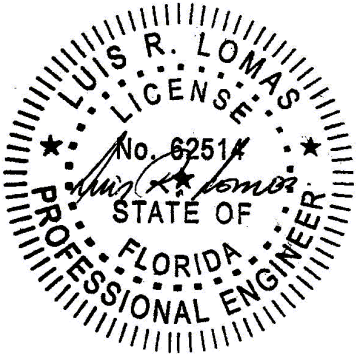
EASTERN ARCHITECTURAL SYSTEMS

16341 DOMESTIC AVENUE
FT. MYERS, FL 33912

SERIES 7000 ALUMINUM SLIDING GLASS DOOR
LARGE MISSILE IMPACT
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DRAWN: A.R.	DWG NO. 08-03375	REV B
SCALE NTS	DATE 12/13/18	SHEET 19 OF 19

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Luis R. Lomas P.E.
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