

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED INSTALLATION & GLAZING DETAILS	01/04/23	R.L.
E	EC25-042 NEW SIZE	08/12/25	LMH

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
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. 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 RIGID PVC.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 12 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
13. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1-1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1-1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16" TAPCONS 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.
16. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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 - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM
19. APPROVED CONFIGURATIONS: XO, OX.
20. UNITS MAY BE INSTALLED WITH OR WITHOUT FLANGE.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3 - 11	INSTALLATION DETAILS
12	COMPONENTS



EASTERN ARCHITECTURAL SYSTEMS

A DIVISION OF

CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE

FORT MYERS, FL 33912

800-432-2204

143 SERIES 4241 HR PVC HORIZ SLIDING WINDOW

IMPACT

NOTES

DRAWN: TJH

DWG NO. 08-00937

REV E

SCALE NTS

DATE 01/29/10

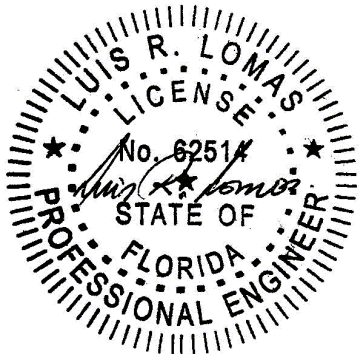
SHEET 1 OF 11

L. ROBERTO LOMAS P.E.

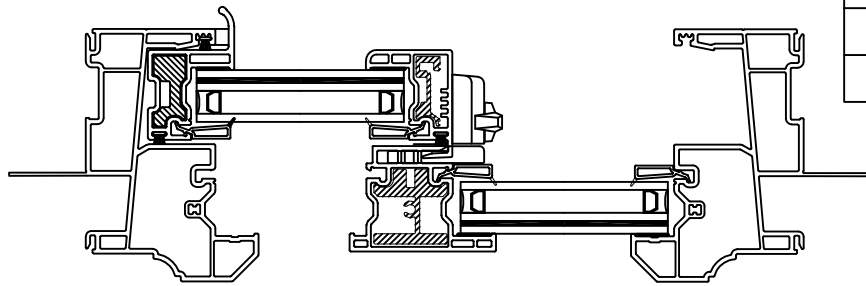
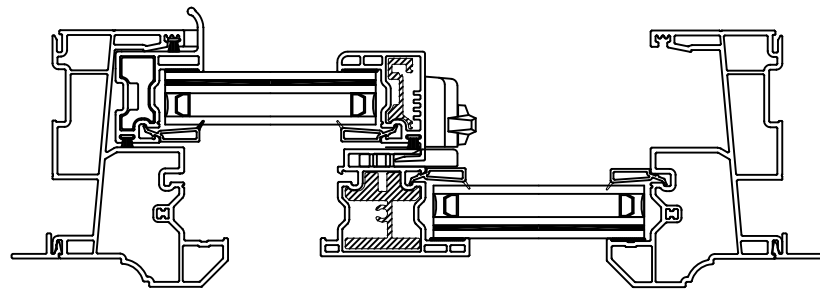
400 S. PALM AVE, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

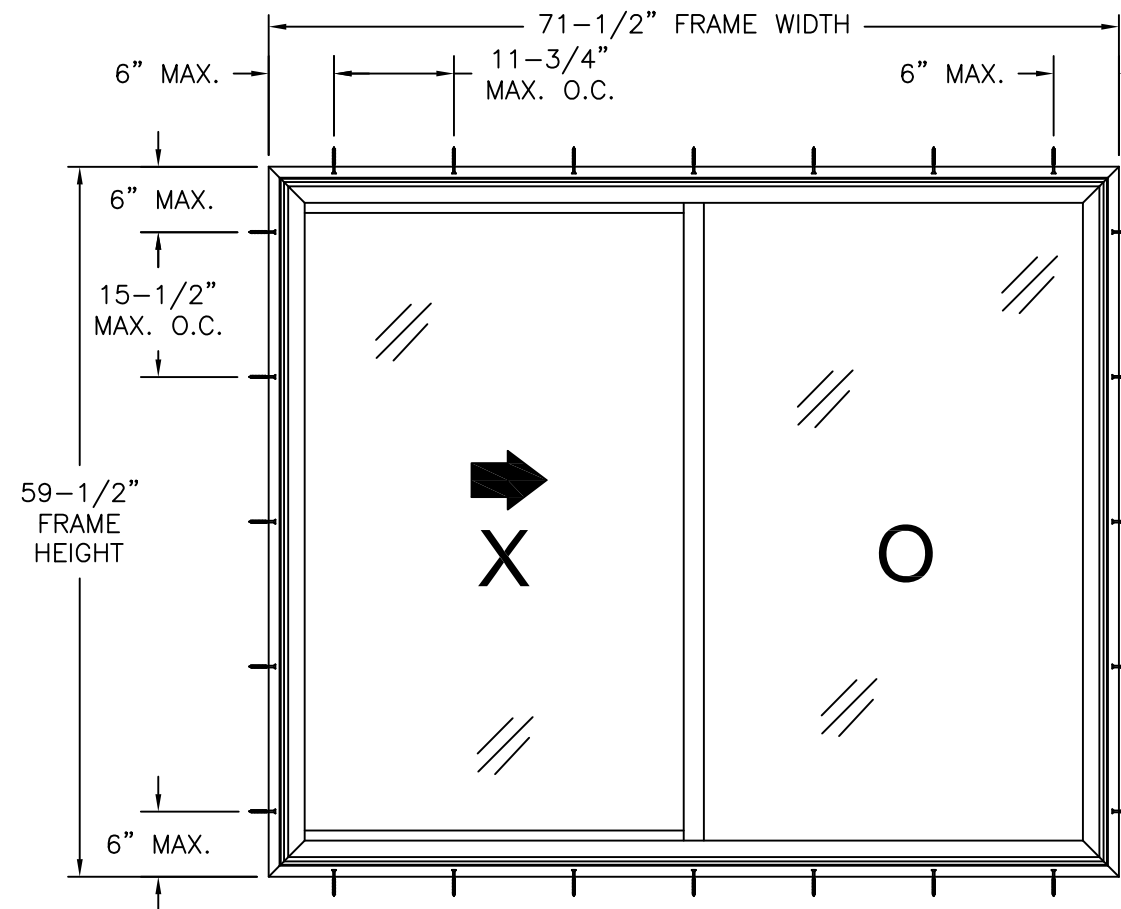
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Luis R. Lomas P.E.
FL No.: 62514



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SERIES 4241 HORIZONTAL SLIDING WINDOW

EXTERIOR VIEW
FRAME INSTALLATION

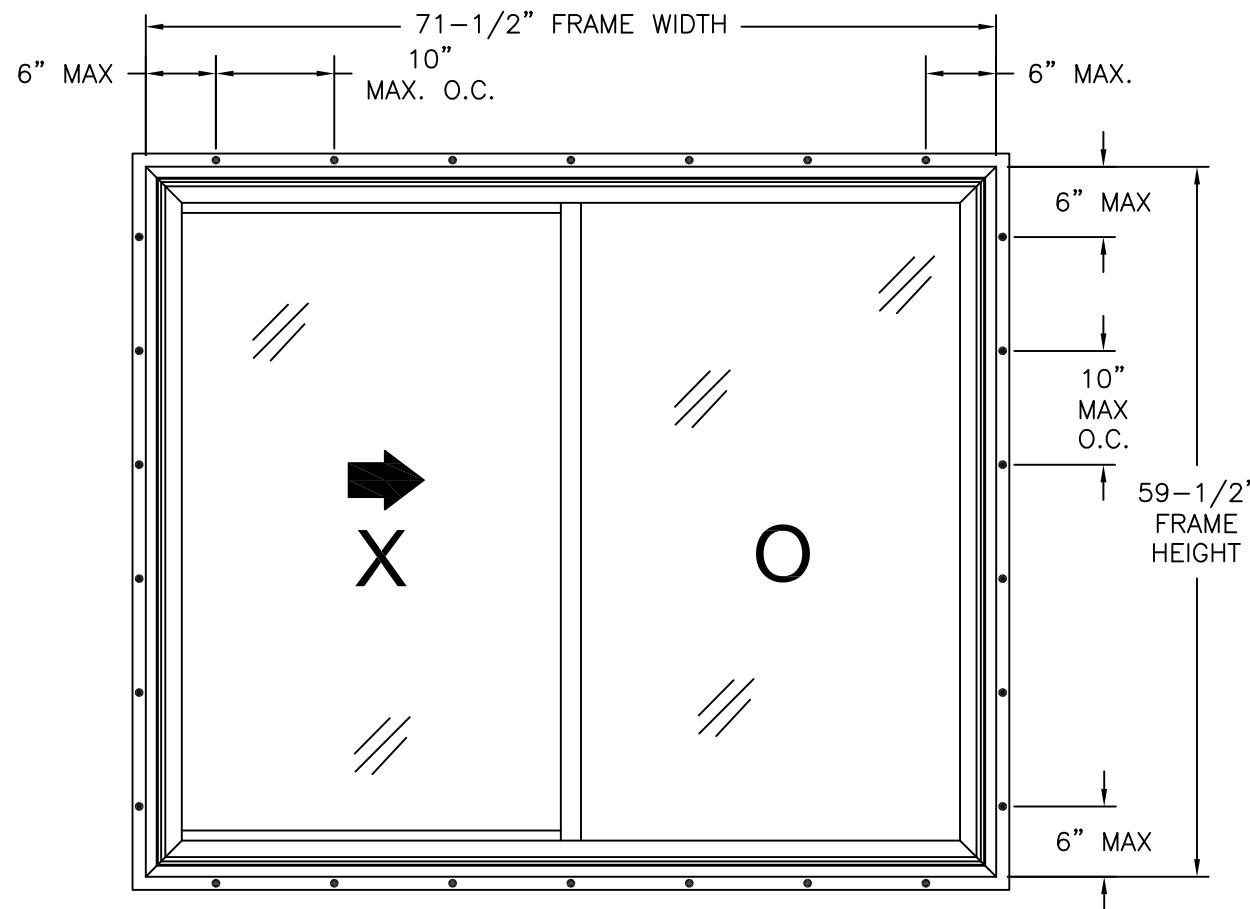
WITH GLASS A, B OR C

DESIGN PRESSURE RATING	IMPACT RATING
± 50.0 PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

HARDWARE SCHEDULE	
A.	(2) METAL CAM LOCK AT 7" FROM EACH END OF LOCK STILE
B.	(2) METAL ROLLER AT EACH END OF BOTTOM RAIL
C.	ALUMINUM REINFORCEMENT (10300084) AT FIXED MEETING STILE
D.	ALUMINUM REINFORCEMENT (10300082) AT LOCK STILE, TOP AND BOTTOM RAIL
E.	ALUMINUM REINFORCEMENT (10300207) AT JAMB STILE

FL 14610



SERIES 4241 HORIZONTAL SLIDING WINDOW

EXTERIOR VIEW
FIN INSTALLATION

NOTES:

1. MAXIMUM SASH SIZE: 35" X 56"
2. MAXIMUM D.L.O.: 32-1/2" X 54-1/2"
3. (8) 3/8" X 3/16" WEEP SLOT 3" FROM EACH CORNER AT BOTTOM RAIL AND GLAZING POCKET
4. (2) 1" X 3/16" WEEP SLOT AT EACH END OF SILL INTERMEDIATE LEG
5. (2) 3/8" X 1/8" WEEP SLOT 3 1/2" FORM EACH CORNER OF EXTERIOR SILL TRACK
6. (4) 1" X 1/8" WEEP SLOT 3" FROM EACH CORNER OF EXTERIOR SILL TRACK
7. (2) 1-1/4" X 1/4" WEEP SLOT W/FLAP 3" FROM EACH CORNER OF EXTERIOR SILL FACE.

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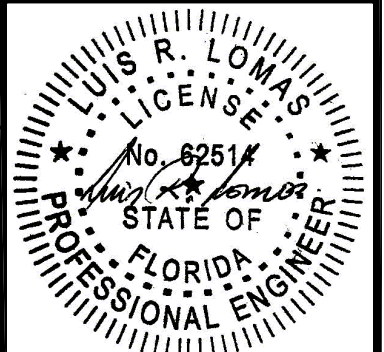


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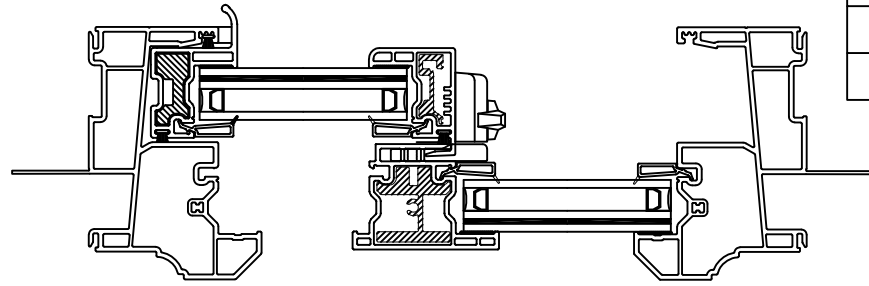
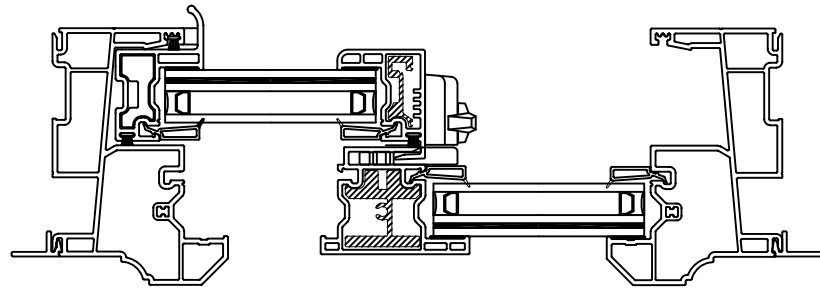
143 SERIES 4241 HR PVC HORIZ SLIDING WINDOW
IMPACT
ELEVATIONS

DRAWN: TJH	DWG NO. 08-00937	REV E
SCALE NTS	DATE 01/29/10	SHEET 2 OF 11

L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

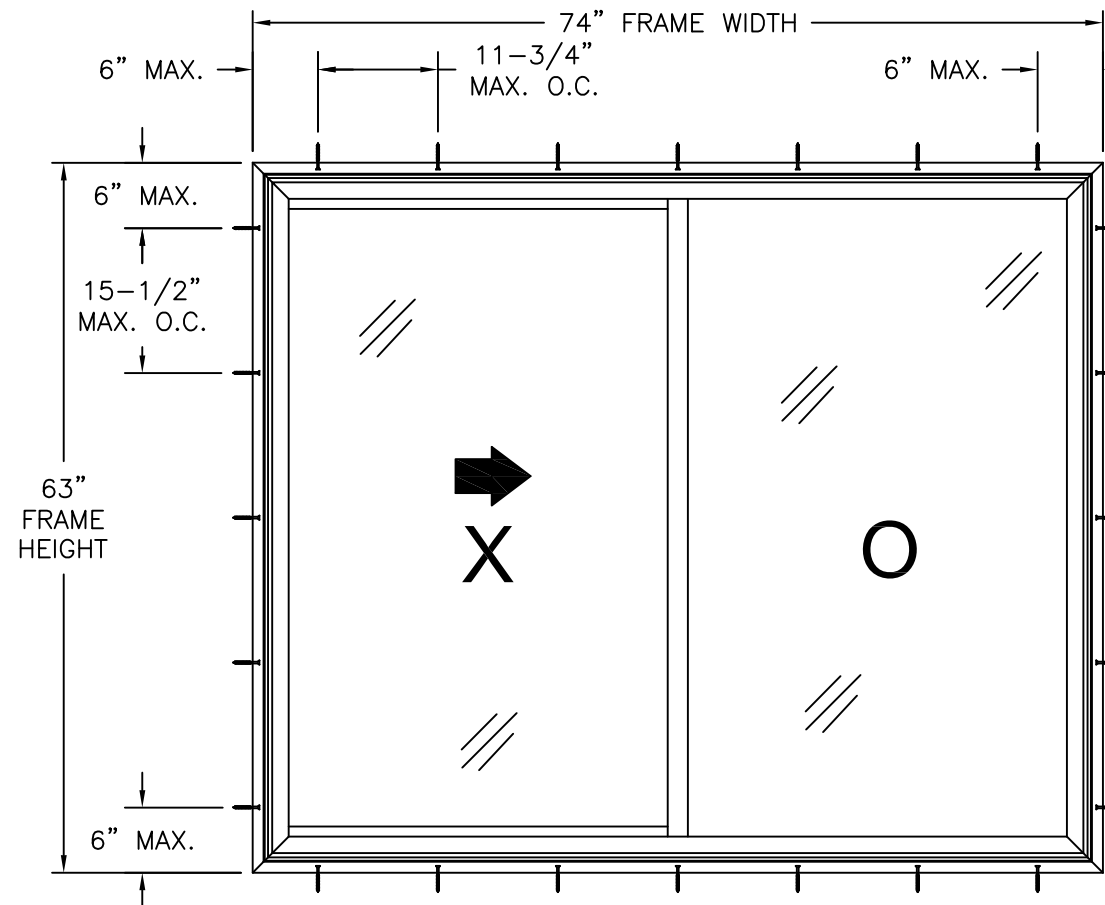


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- NOTES:
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 2. MAX. D.L.O.: 34" X 59-3/4"
 3. (8) 3/8" x 3/16" WEEP SLOT 3" FROM EACH CORNER AT BOTTOM RAIL AND GLAZING POCKET
 4. (2) 1" X 3/16" WEEP SLOT AT EACH END OF SILL INTERMEDIATE LEG
 5. (2) 3/8" X 1/8" WEEP SLOT 3-1/2" FROM EACH CORNER OF EXTERIOR SILL TRACK
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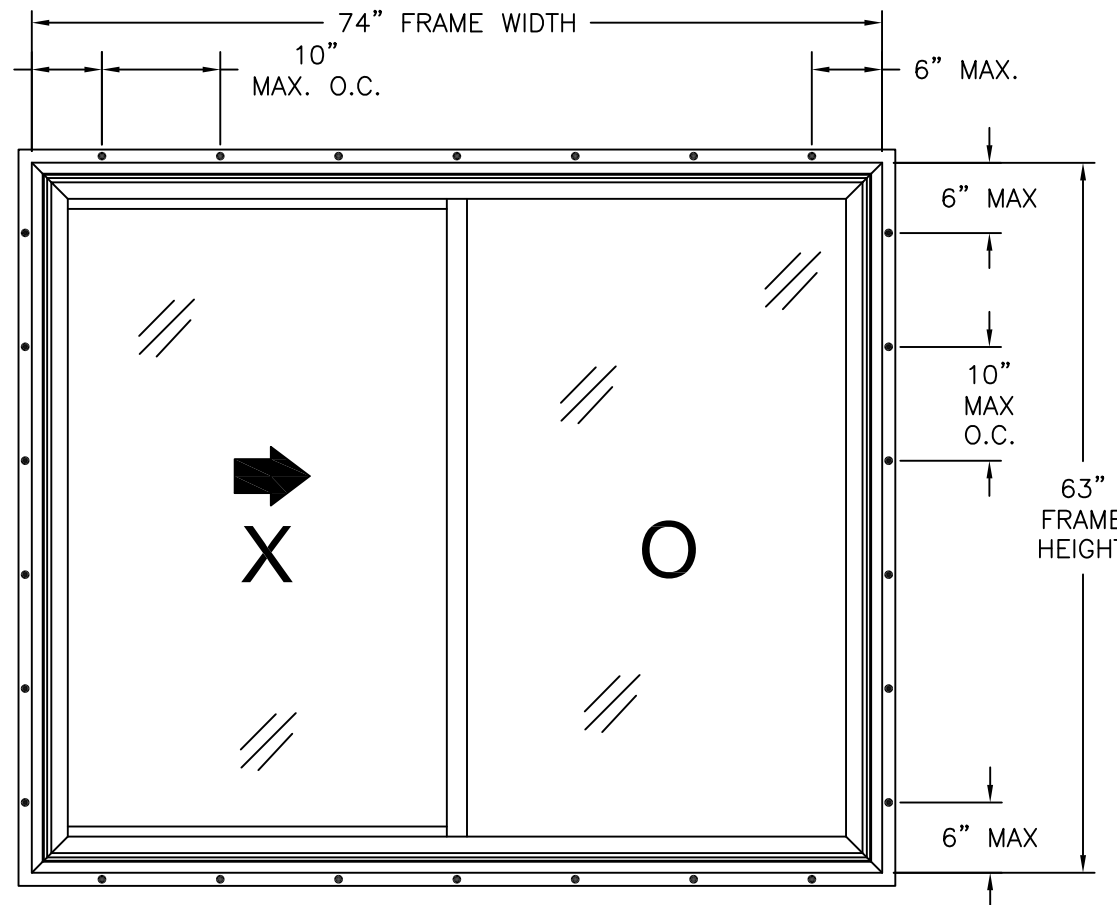
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EXTERIOR VIEW
FRAME INSTALLATION

WITH GLASS A, B OR C

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4



SERIES 4241 HORIZONTAL SLIDING WINDOW

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FIN INSTALLATION

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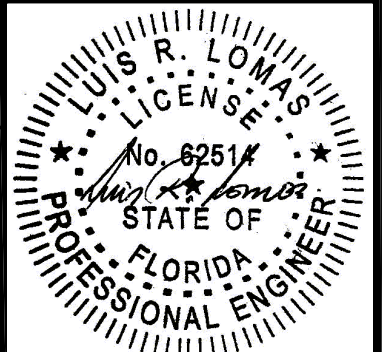
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FORT MYERS, FL 33912
800-432-2204

143 SERIES 4241 HR PVC HORIZ SLIDING WINDOW
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ELEVATIONS

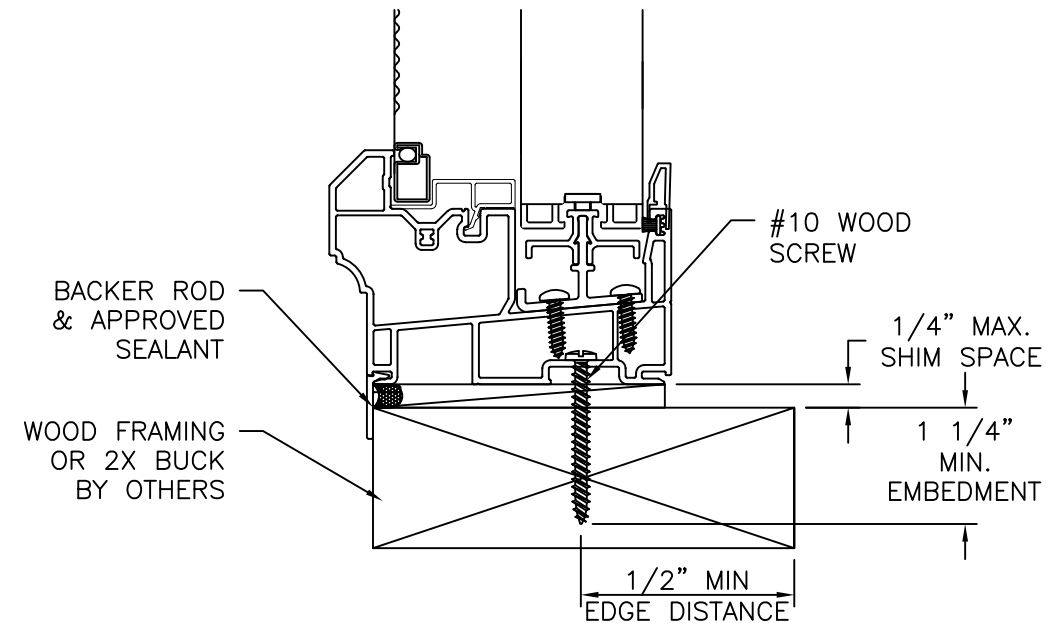
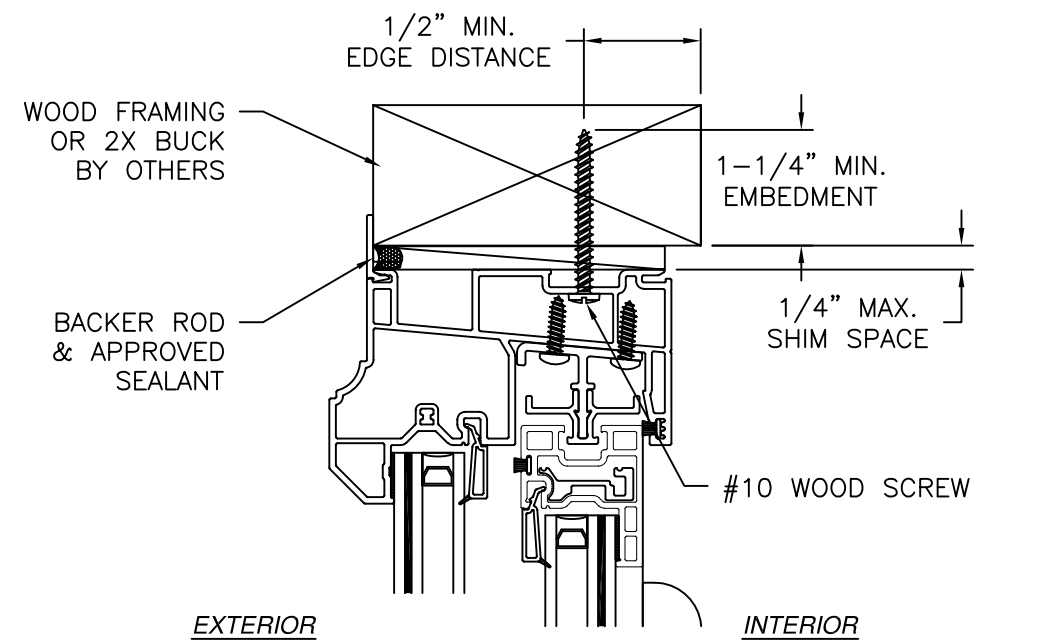
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400 S. PALM AVE, INDIAN LANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

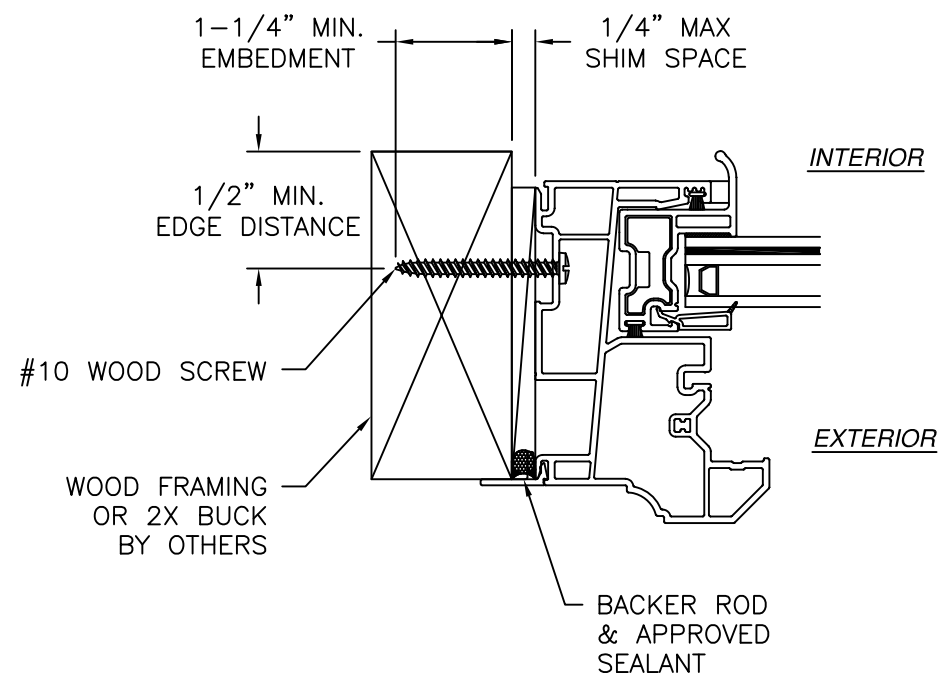
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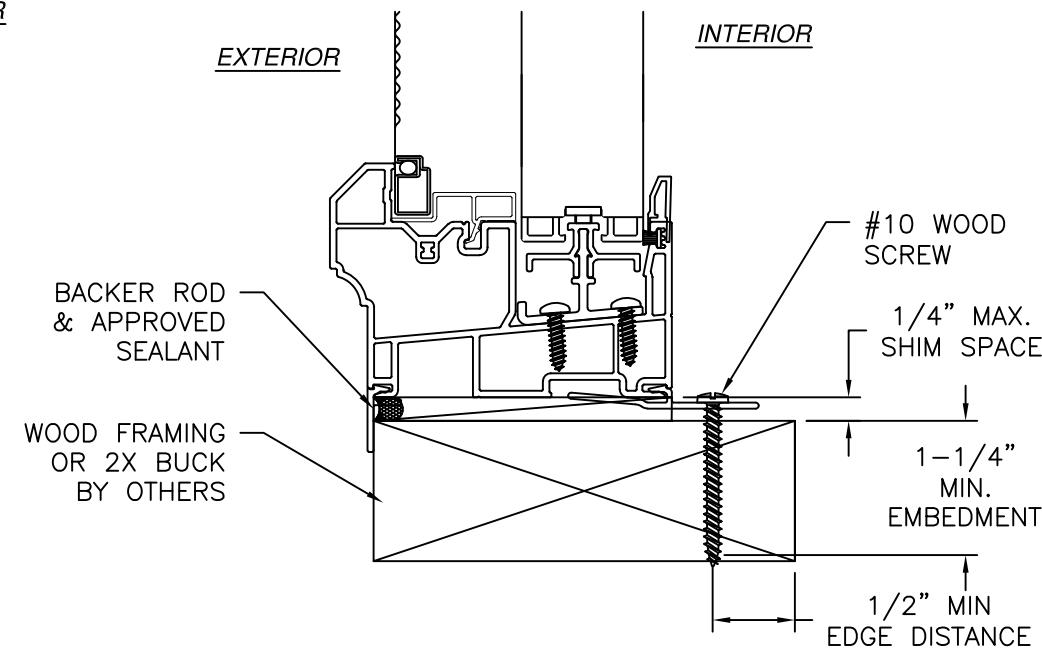
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK THROUGH FRAME
INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK CLIP INSTALLATION

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

FL 14610



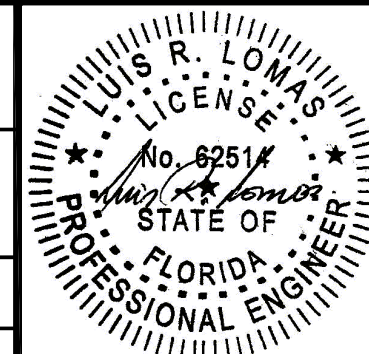
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**143 SERIES 4241 HR PVC HORIZ SLIDING WINDOW
IMPACT
FLANGE INSTALLATION DETAILS**

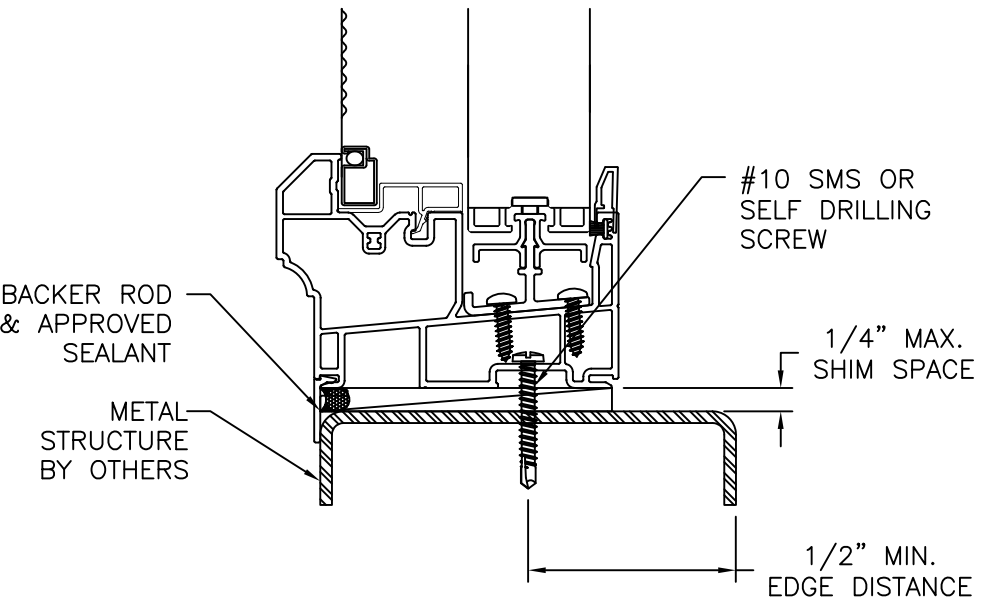
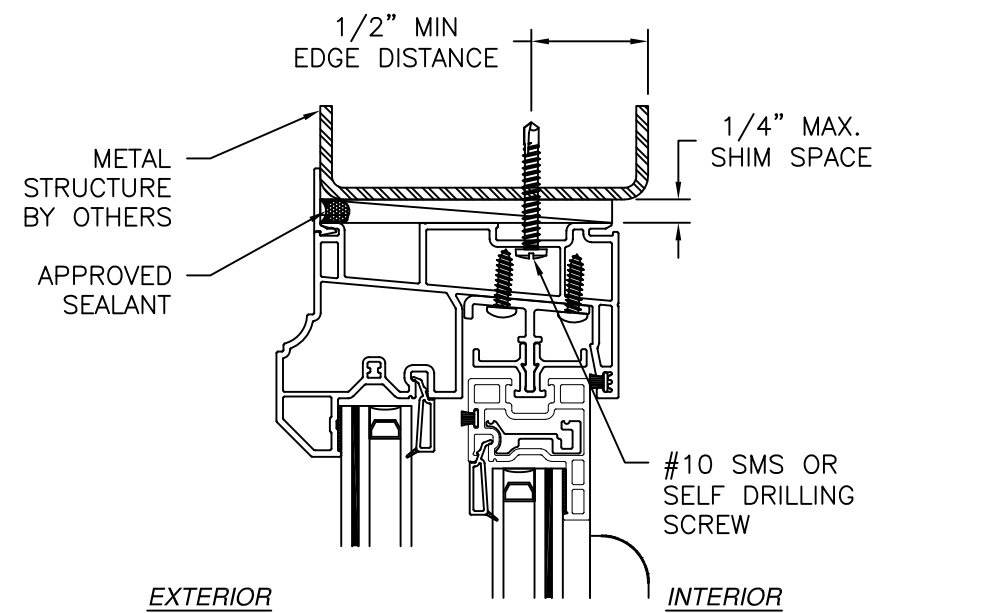
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400 S. PALM AVE, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

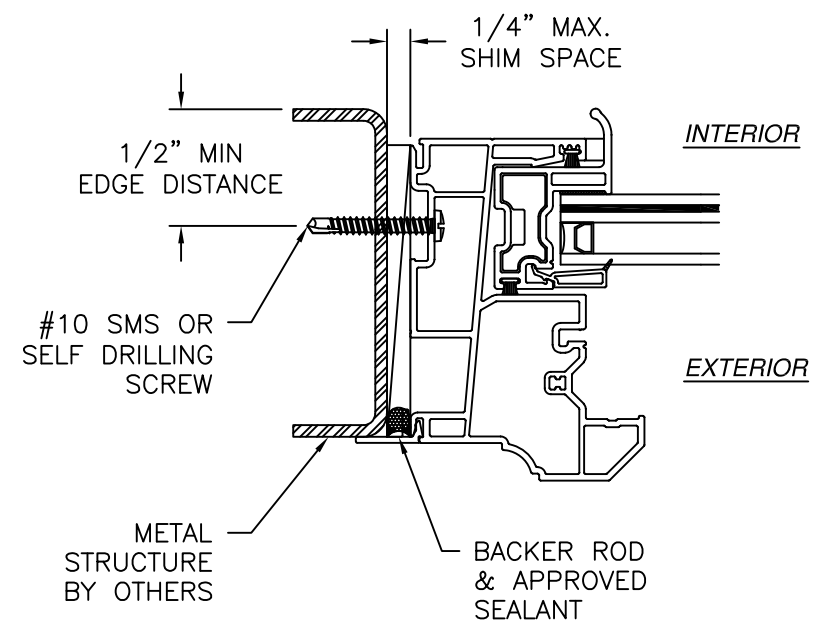
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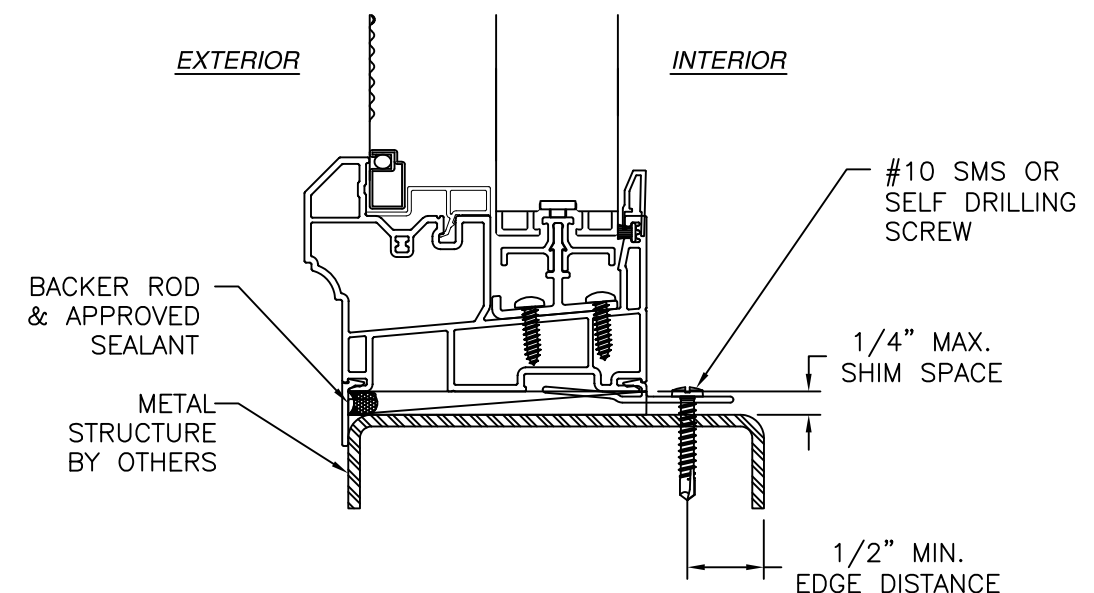
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VERTICAL CROSS SECTION
METAL STRUCTURE THROUGH FRAME INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE CLIP INSTALLATION

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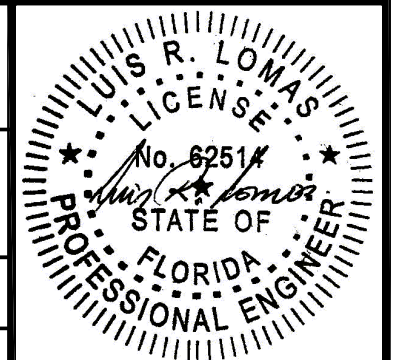
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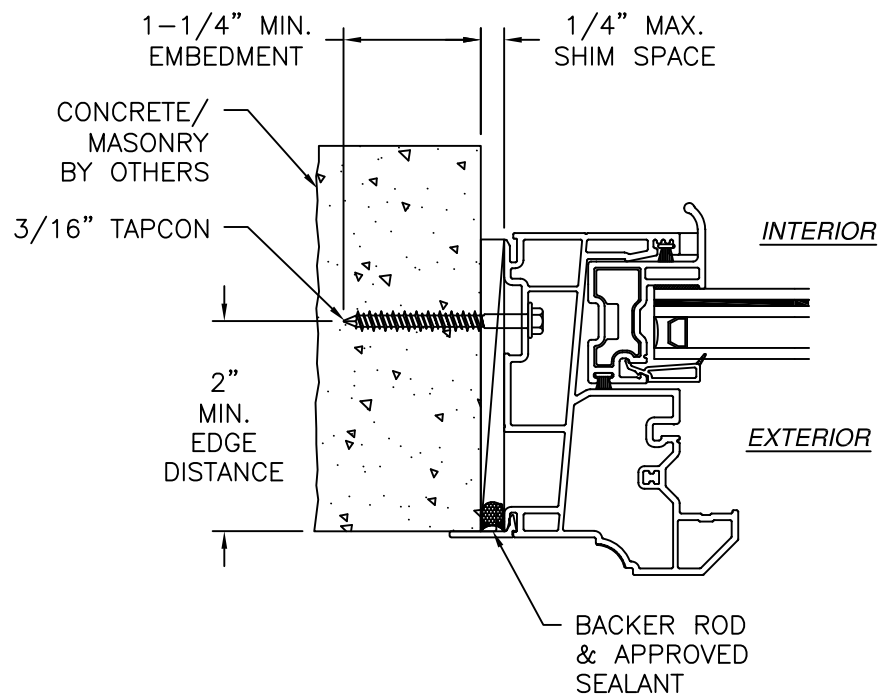
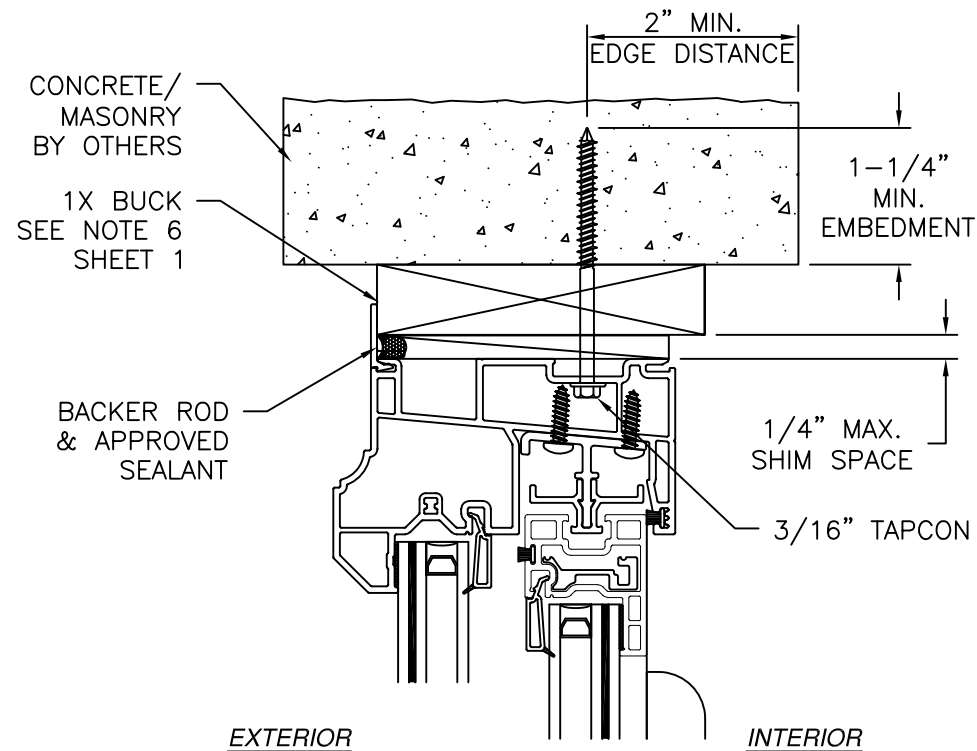
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400 S. PALM AVE, INDIALANTIC, FL 32903
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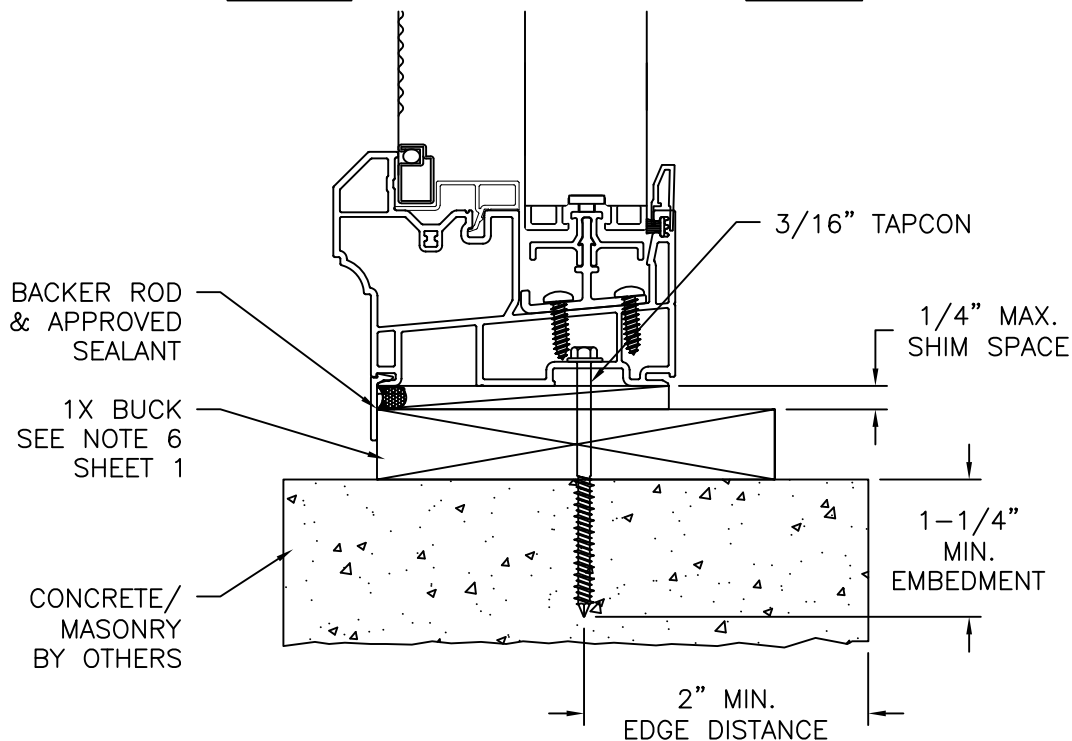
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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION
FOR 1X BUCK INSTALLATION REFER TO HEAD AND SILL INSTALLATION DETAILS

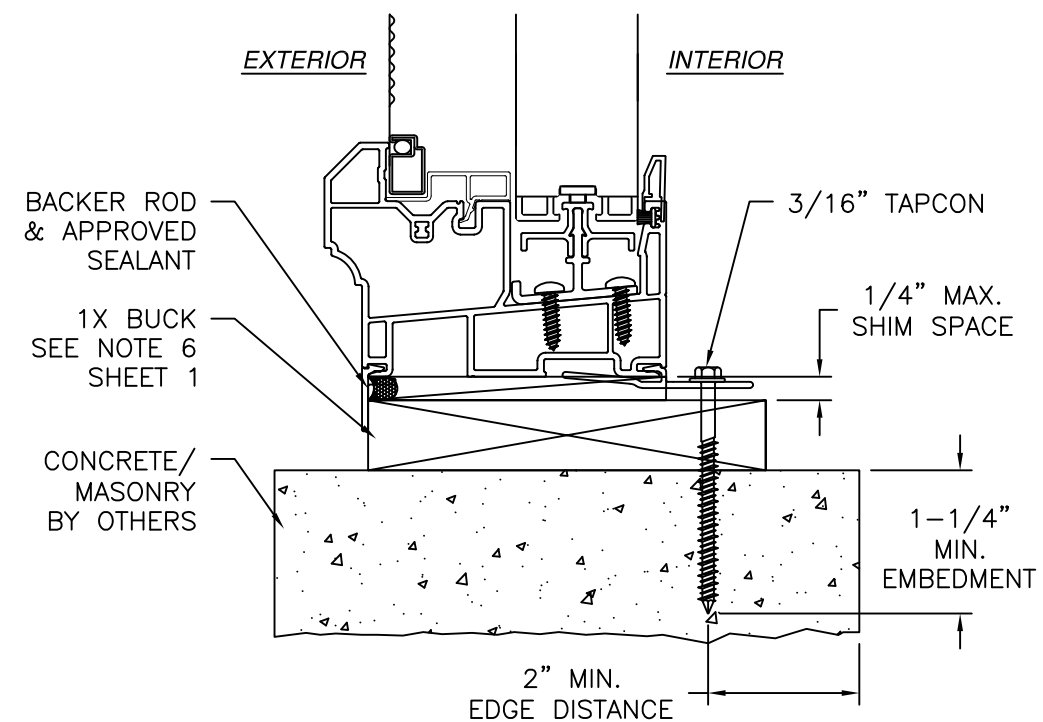


VERTICAL CROSS SECTION
CONCRETE/MASONRY 1X BUCK INSTALLATION
FOR INSTALLATION WITHOUT 1X BUCK REFER TO JAMB INSTALLATION DETAIL

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VERTICAL CROSS SECTION
CONCRETE/MASONRY 1X BUCK CLIP INSTALLATION
FOR INSTALLATION WITHOUT 1X BUCK REFER TO JAMB INSTALLATION DETAIL

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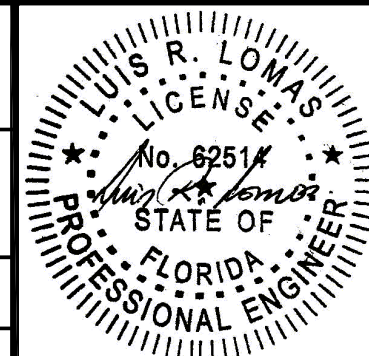


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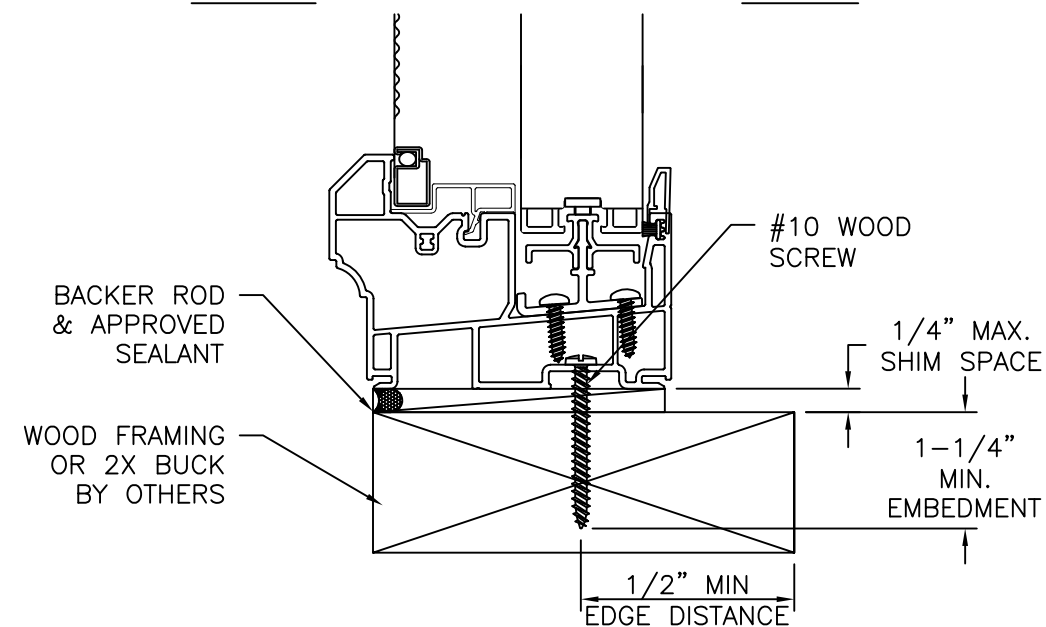
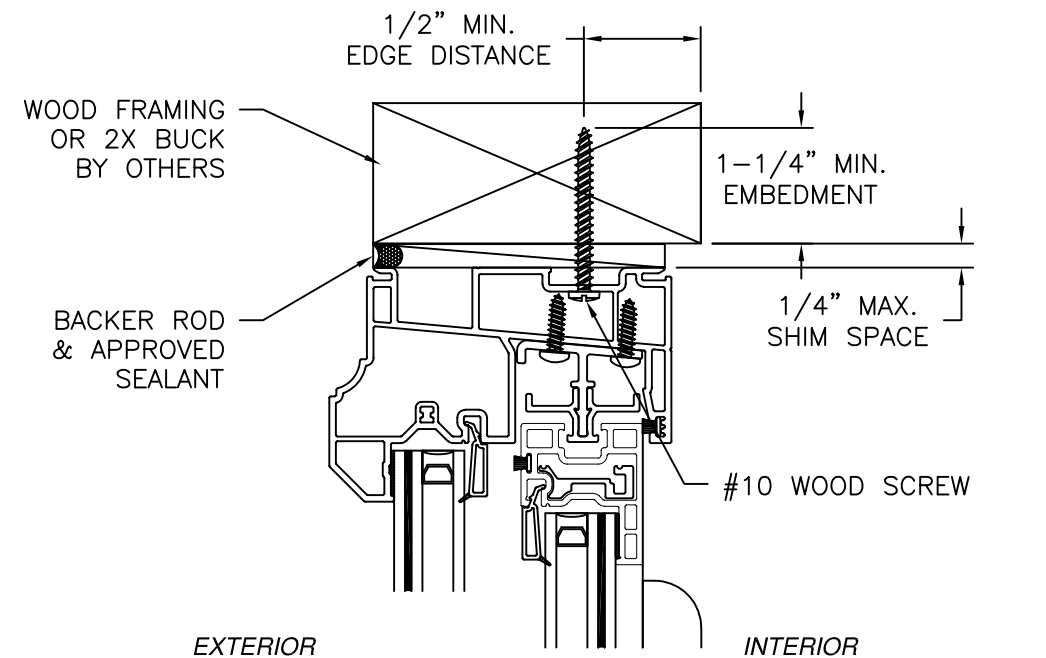
143 SERIES 4241 HR PVC HORIZ SLIDING WINDOW IMPACT FLANGE INSTALLATION DETAILS

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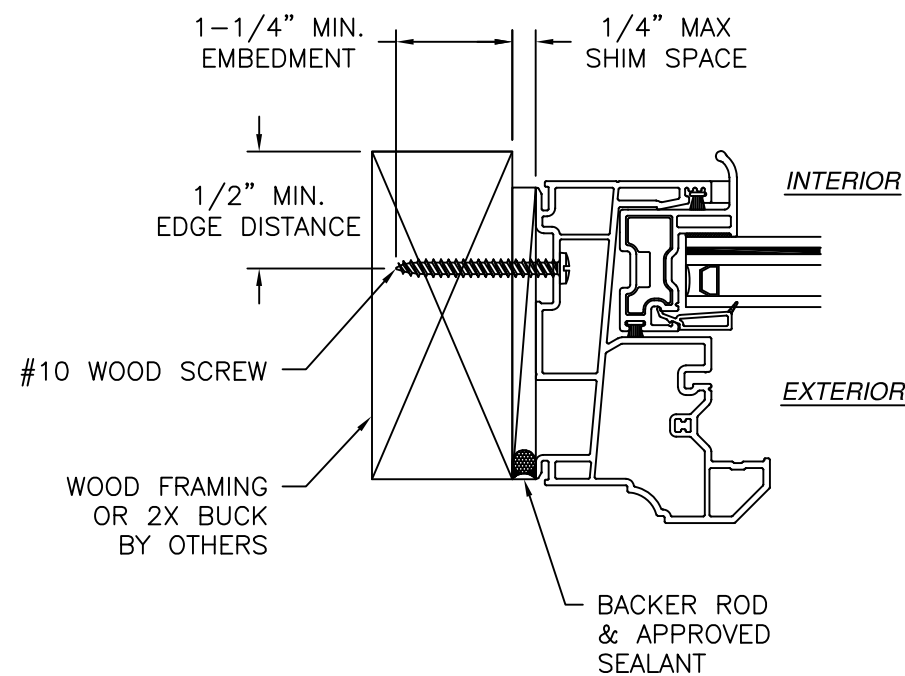
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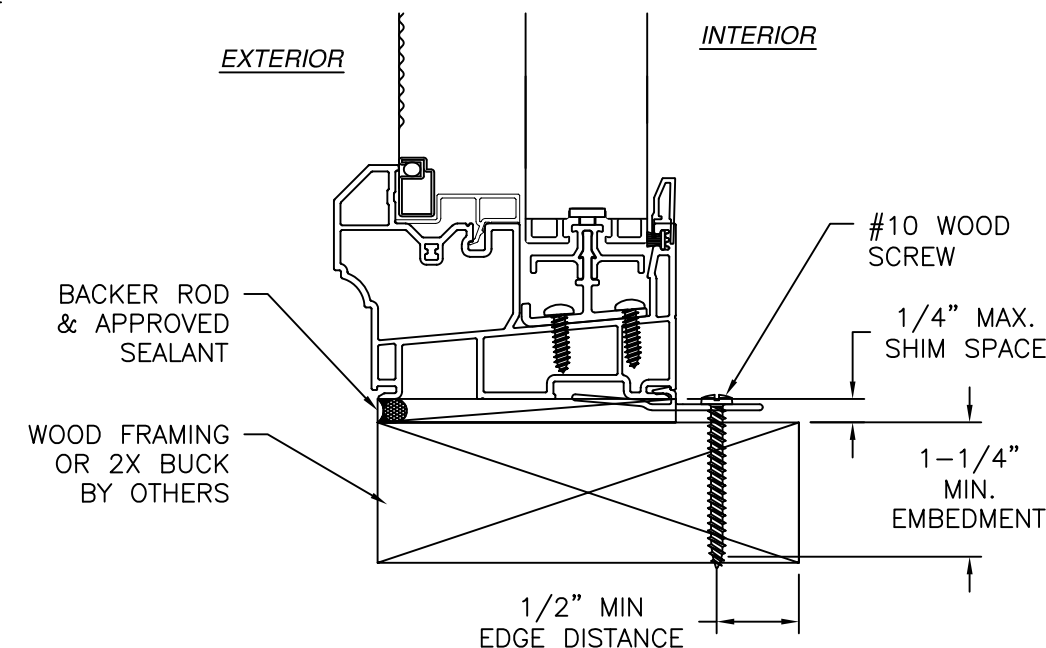
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK THROUGH FRAME INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK CLIP INSTALLATION

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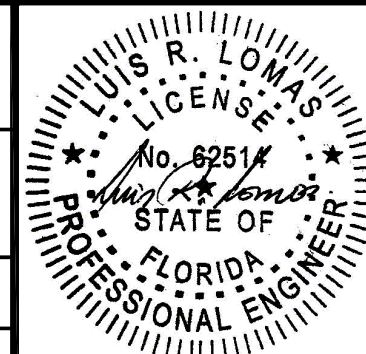
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143 SERIES 4241 HR PVC HORIZ SLIDING WINDOW IMPACT BOX FRAME INSTALLATION DETAILS

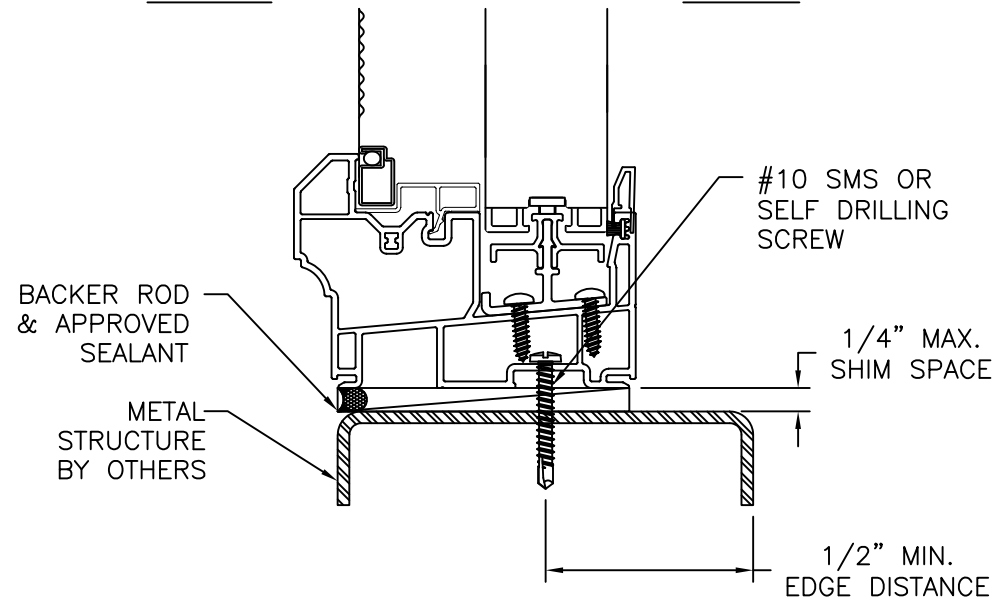
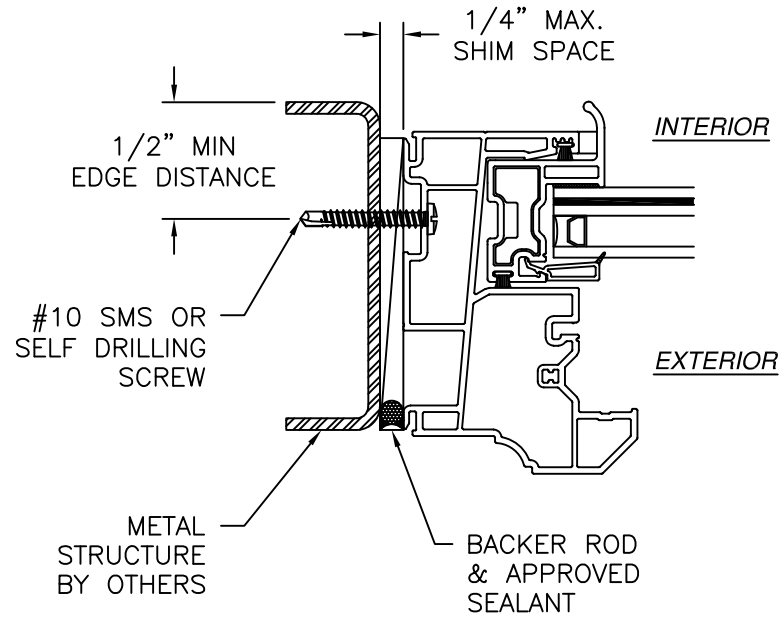
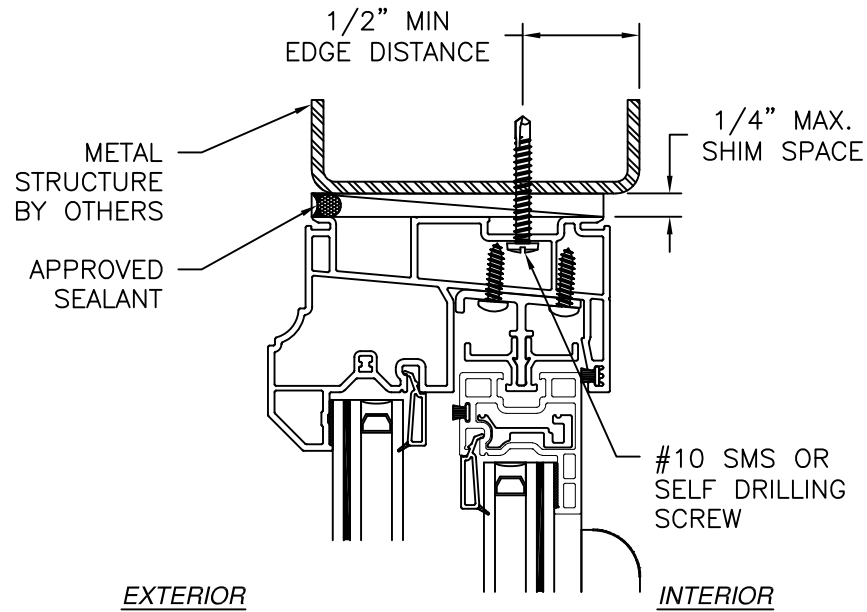
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434-688-0609 rllomas@lrlomaspe.com

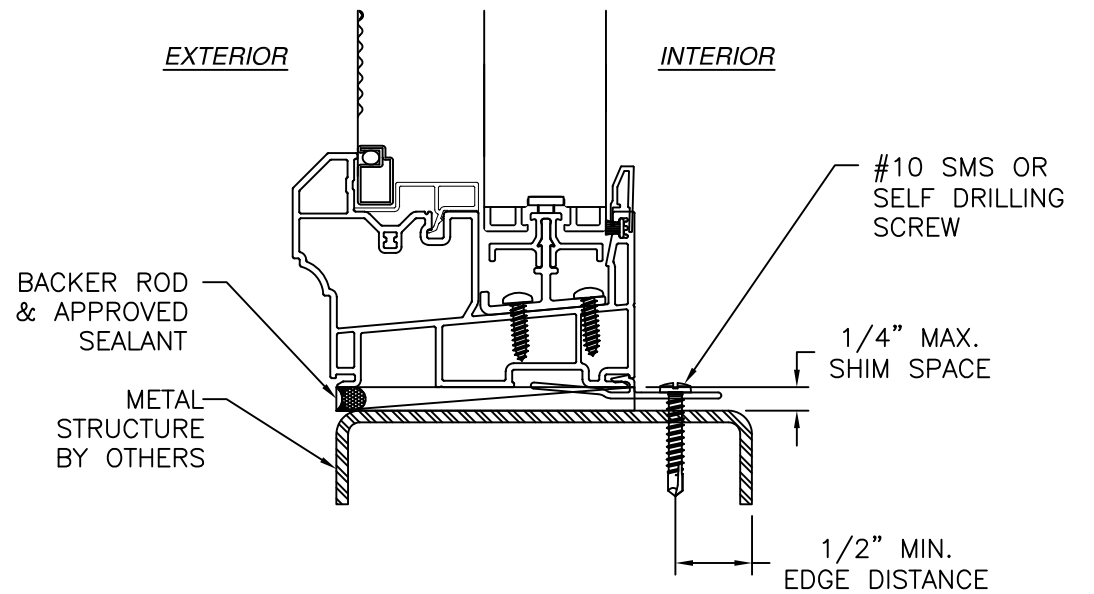
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE CLIP INSTALLATION

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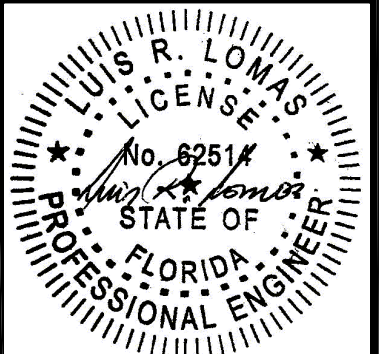
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800-432-2204

143 SERIES 4241 HR PVC HORIZ SLIDING WINDOW IMPACT BOX FRAME INSTALLATION DETAILS

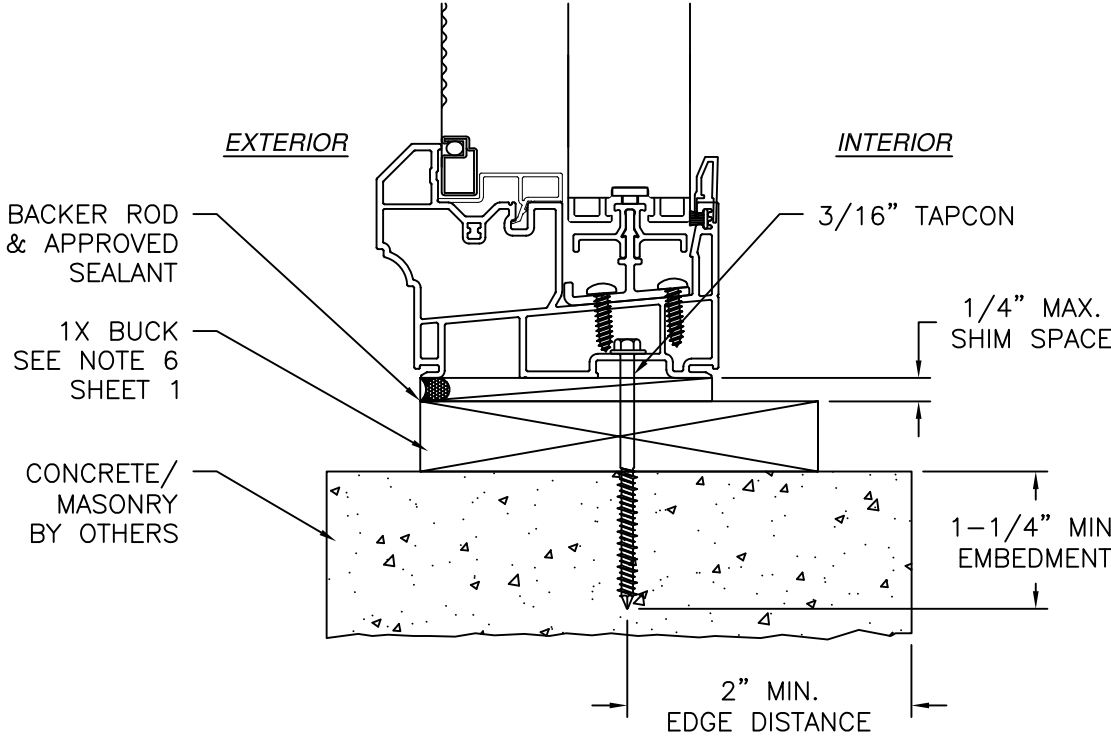
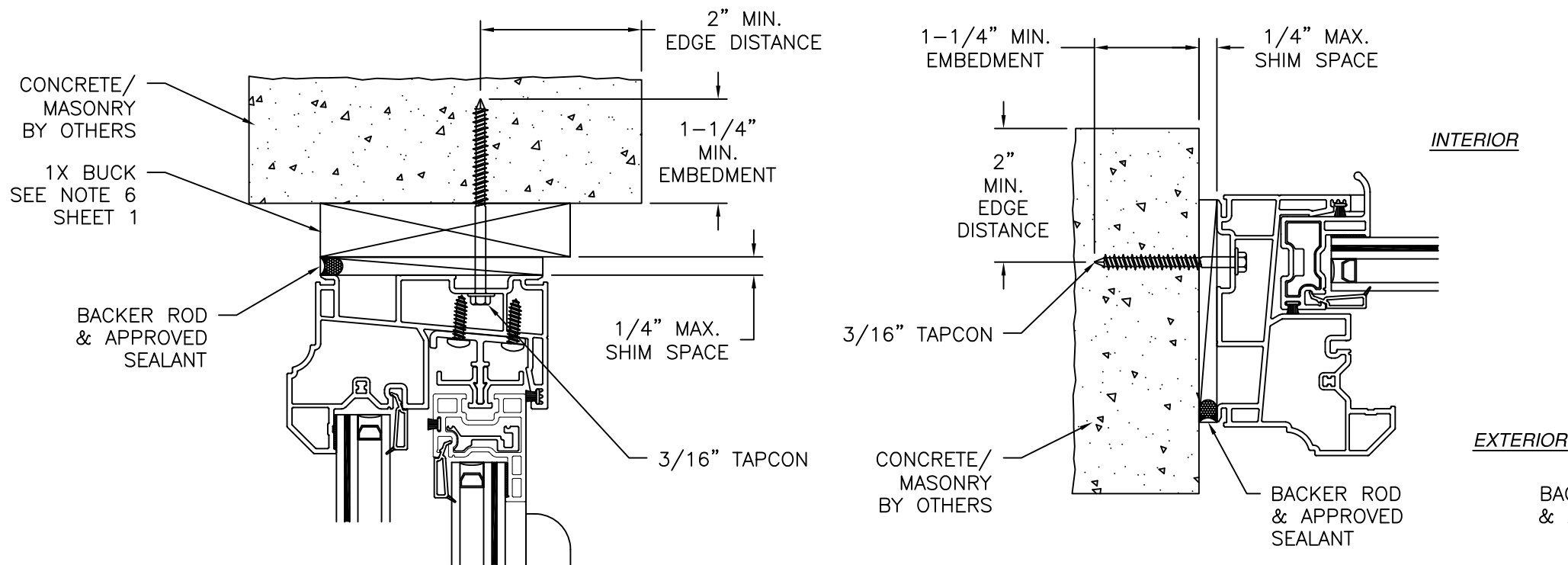
DRAWN: TJH	DWG NO. 08-00937	REV E
SCALE NTS	DATE 01/29/10	SHEET 8 OF 11

L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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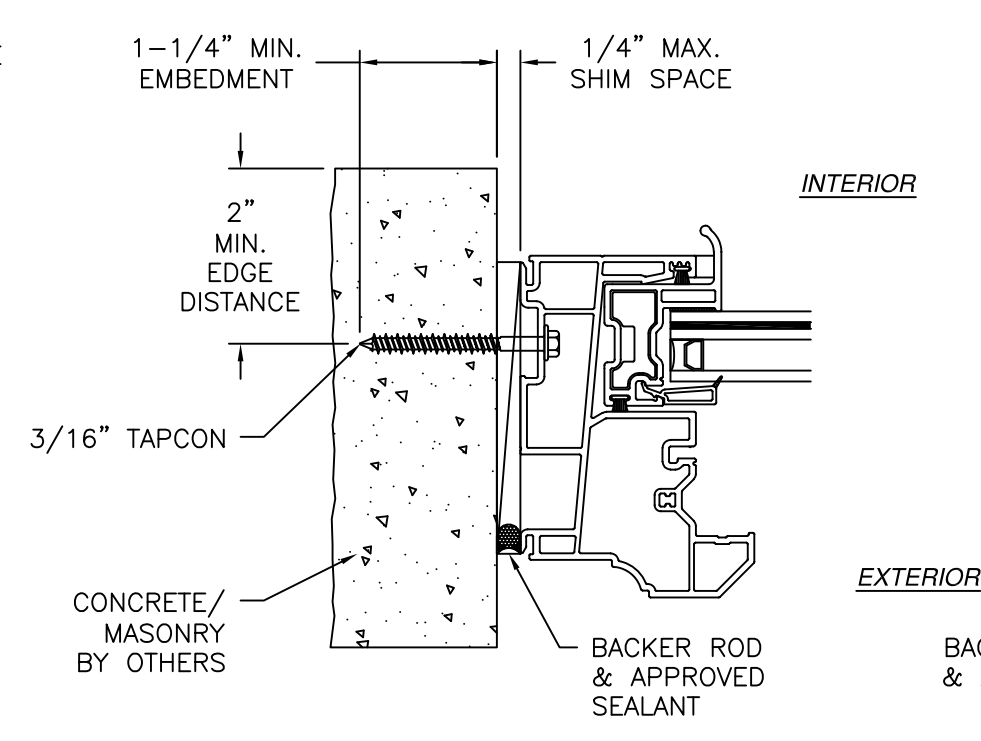
Luis R. Lomas P.E.
FL No.: 62514



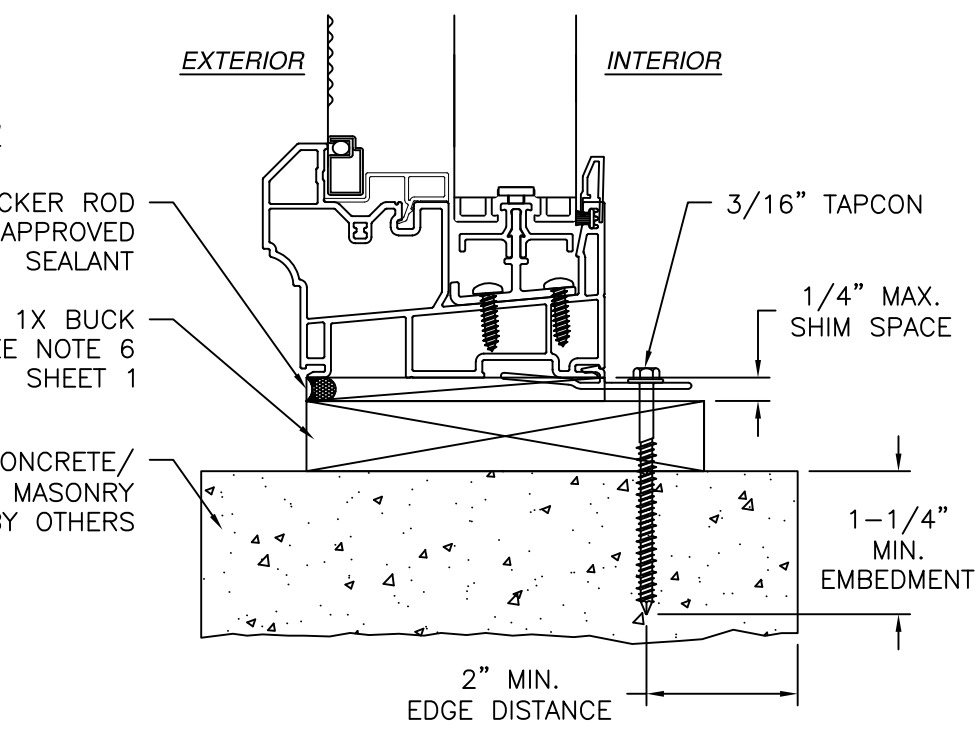
VERTICAL CROSS SECTION
 CONCRETE/MASONRY 1X BUCK INSTALLATION
 FOR INSTALLATION WITHOUT 1X BUCK REFER TO JAMB INSTALLATION DETAIL

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

FL 14610



JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY INSTALLATION
 FOR 1X BUCK INSTALLATION REFER TO HEAD AND SILL INSTALLATION DETAILS



VERTICAL CROSS SECTION
 CONCRETE/MASONRY 1X BUCK CLIP INSTALLATION
 FOR INSTALLATION WITHOUT 1X BUCK REFER TO JAMB INSTALLATION DETAIL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED INSTALLATION & GLAZING DETAILS	01/04/23	R.L.
E	EC25-042 NEW SIZE	08/12/25	LMH



EASTERN ARCHITECTURAL SYSTEMS
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 CORNERSTONE BUILDING BRANDS
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143 SERIES 4241 HR PVC HORIZ SLIDING WINDOW IMPACT BOX FRAME INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00937	REV E
SCALE NTS	DATE 01/29/10	SHEET 9 OF 11

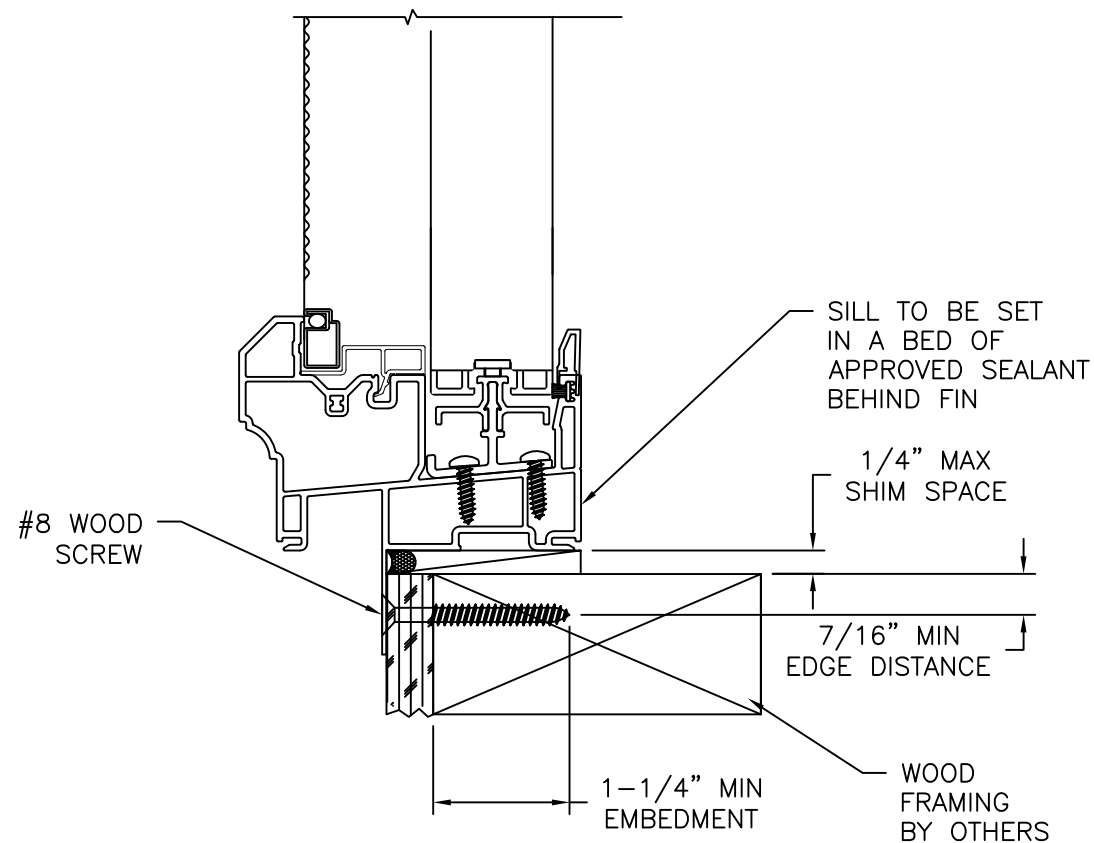
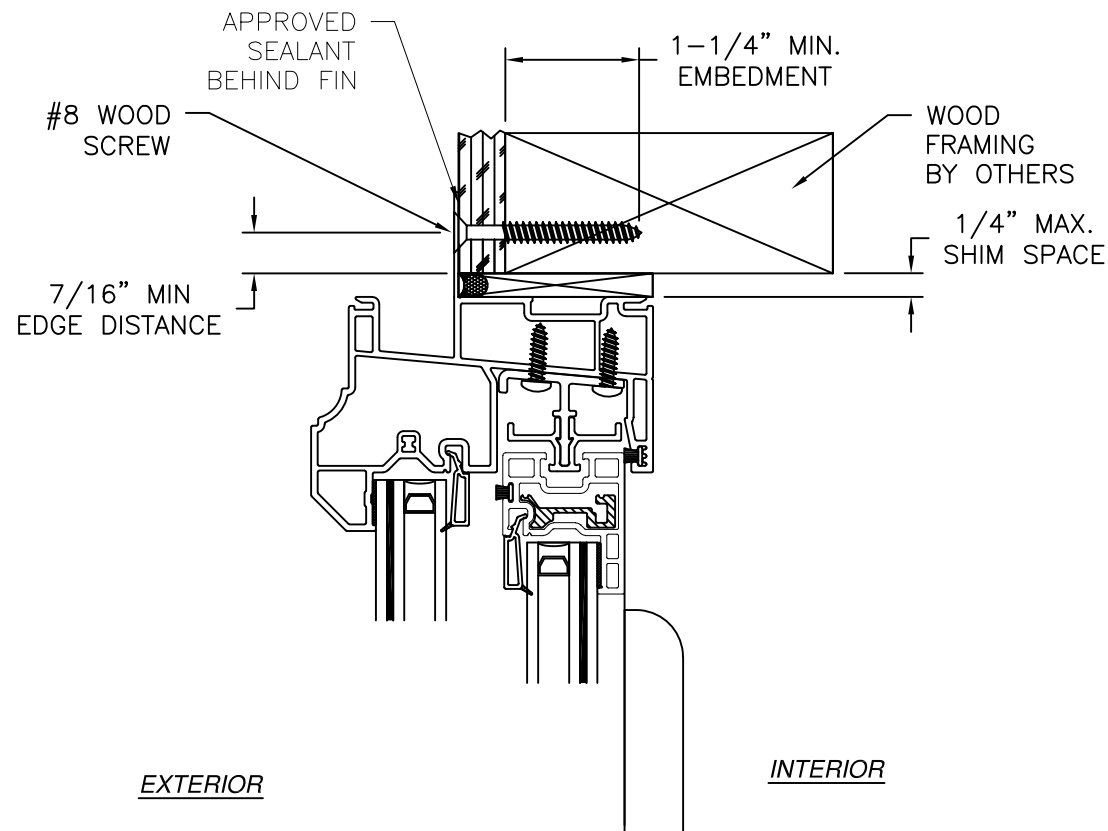
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 434-688-0609 rllomas@lrlomaspe.com

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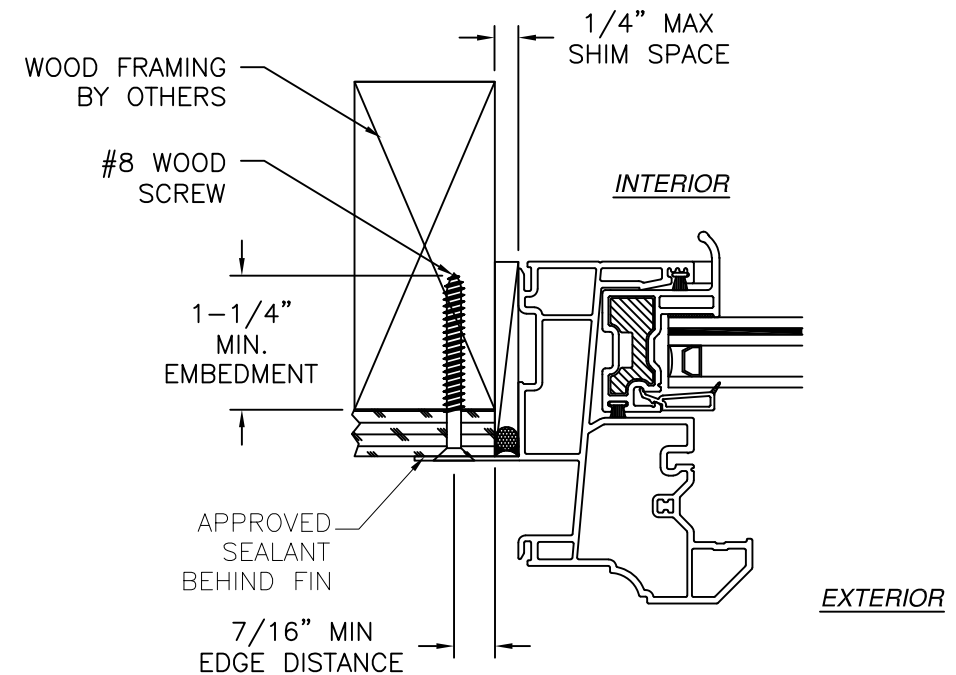
L. R. LOMAS
 LICENSED PROFESSIONAL ENGINEER
 No. 62514
 STATE OF FLORIDA

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED INSTALLATION & GLAZING DETAILS	01/04/23	R.L.
E	EC25-042 NEW SIZE	08/12/25	LMH



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

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143 SERIES 4241 HR PVC HORIZ SLIDING WINDOW IMPACT

FIN INSTALLATION DETAILS

DRAWN: TJH

DWG NO. 08-00937

REV E

SCALE NTS

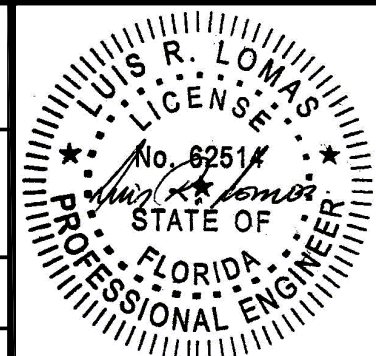
DATE 01/29/10

SHEET 11 OF 11

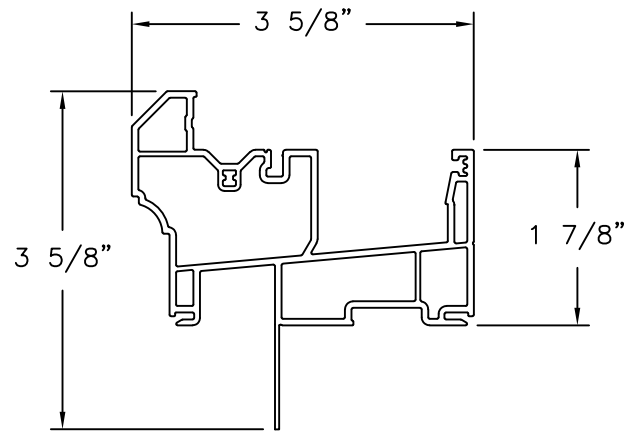
L. ROBERTO LOMAS P.E.

400 S. PALM AVE, INDIALANTIC, FL 32903

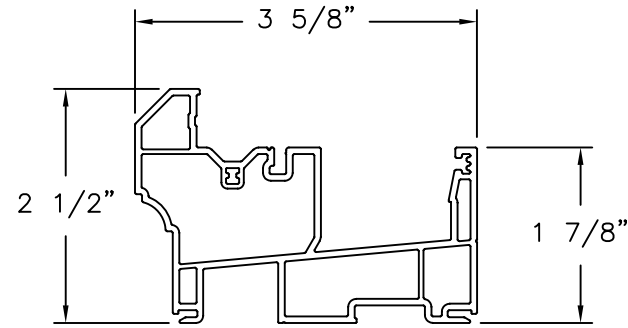
434-688-0609 rllomas@lrlomaspe.com



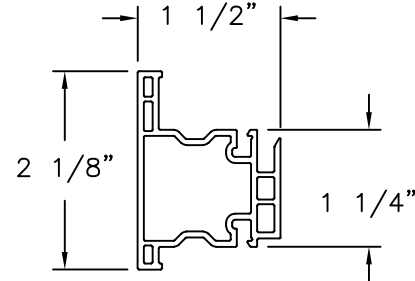
Luis R. Lomas P.E.
FL No.: 62514



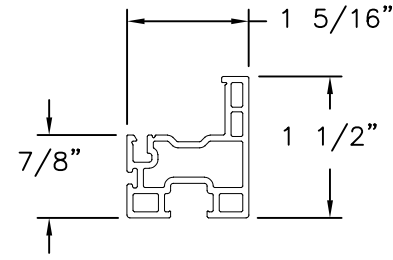
**MAIN FRAME
FIN INSTALLATION**
PVC (10008684)



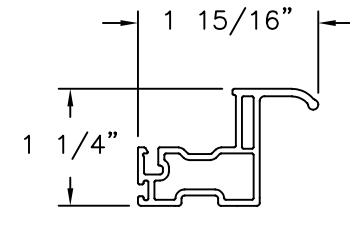
MAIN FRAME
PVC (10008669)



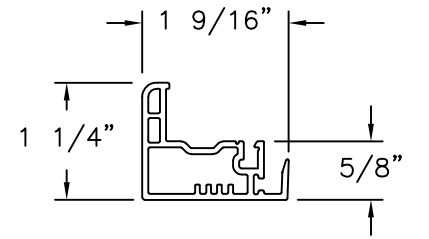
MEETING RAIL
PVC (10008511)



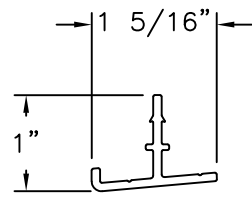
TOP/BOTTOM RAIL
PVC (10008857)



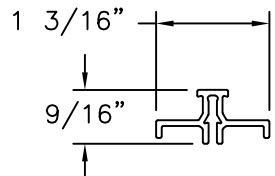
PULL STILE
PVC (10008882)



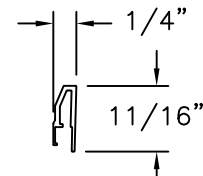
LOCK STILE
PVC (10008845)



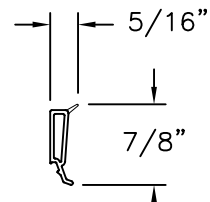
SLIDER TRACK
ALUMINUM 6005-T5 (10300189)



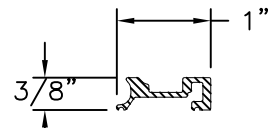
SLIDER TRACK INSERT
ALUMINUM 6005-T5 (10008469)



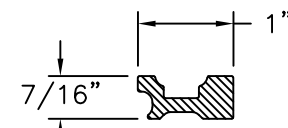
SILL EXTENDER
PVC (20008052)



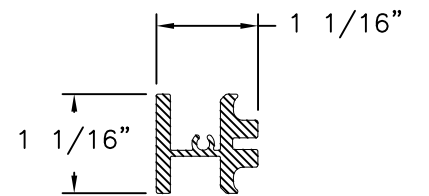
GLAZING BEAD
PVC (10005470)



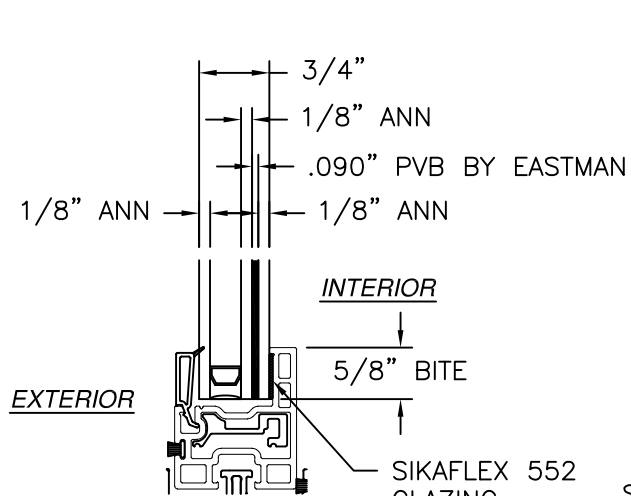
**LOCK STILE
REINFORCEMENT**
ALUMINUM 6005-T5(10300082)



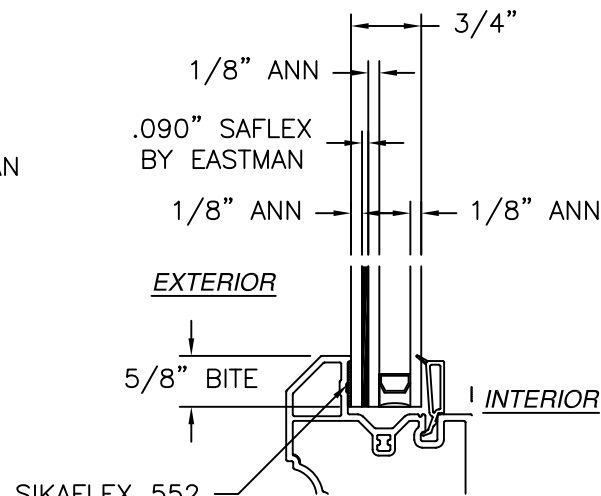
**PULL STILE
REINFORCEMENT**
ALUMINUM 6005-T5 (10300207)



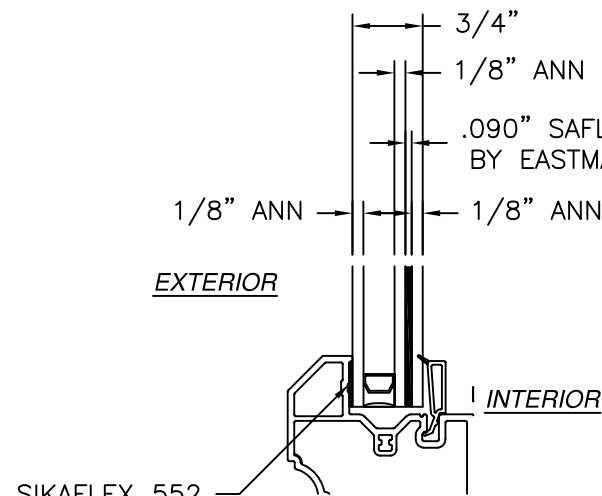
**MEETING RAIL
REINFORCEMENT**
ALUMINUM 6005-T5, 6061-T5 OR 6105-T5(10300084)



GLAZING DETAIL "A"
SASH GLASS



GLAZING DETAIL "B"
FIXED GLASS



GLAZING DETAIL "C"
FIXED GLASS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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E	EC25-042 NEW SIZE	08/12/25	LMH



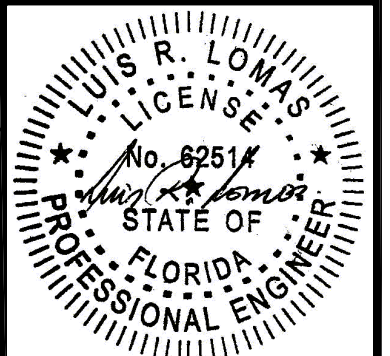
EASTERN ARCHITECTURAL SYSTEMS
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16341 DOMESTIC AVE
FORT MYERS, FL 33912
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**143 SERIES 4241 HR PVC HORIZ SLIDING WINDOW
IMPACT
COMPONENTS AND GLAZING DETAIL**

DRAWN: TJH	DWG NO. 08-00937	REV E
SCALE NTS	DATE 01/29/10	SHEET 12 OF 11

L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIALANTIC, FL 32903
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Luis R. Lomas P.E.
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