

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1–1/2” 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.
5. WHERE WOOD BUCK THICKNESS IS 1–1/2” OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER’S PUBLISHED INSTALLATION INSTRUCTIONS.
6. 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.
7. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION 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”.
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: EXTRUDED RIGID PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300–04/09 WITH SAFETY GLAZING.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #12 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 1/4” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #12 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 2,000 PSI.

C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI .048” THICK MINIMUM

SIGNED: 02/05/2018

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1	ELEVATION, ANCHORING AND NOTES
2	CROSS SECTIONS AND B.O.M.
3 – 4	INSTALLATION DETAILS

VIWIN TECH WINDOWS AND DOORS

2400 IRVIN COBB DRIVE
PADUCAH, KY 42003

GRAND VISTA SLIDING DOOR
NON-IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03196

REV
-

SCALE NTS

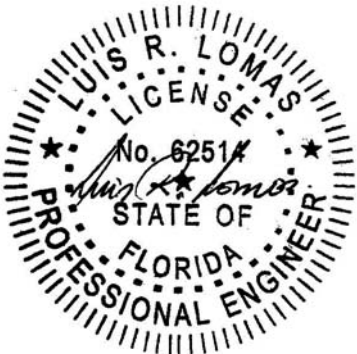
DATE 12/08/17

SHEET 1 OF 14

L. ROBERTO LOMAS P.E.

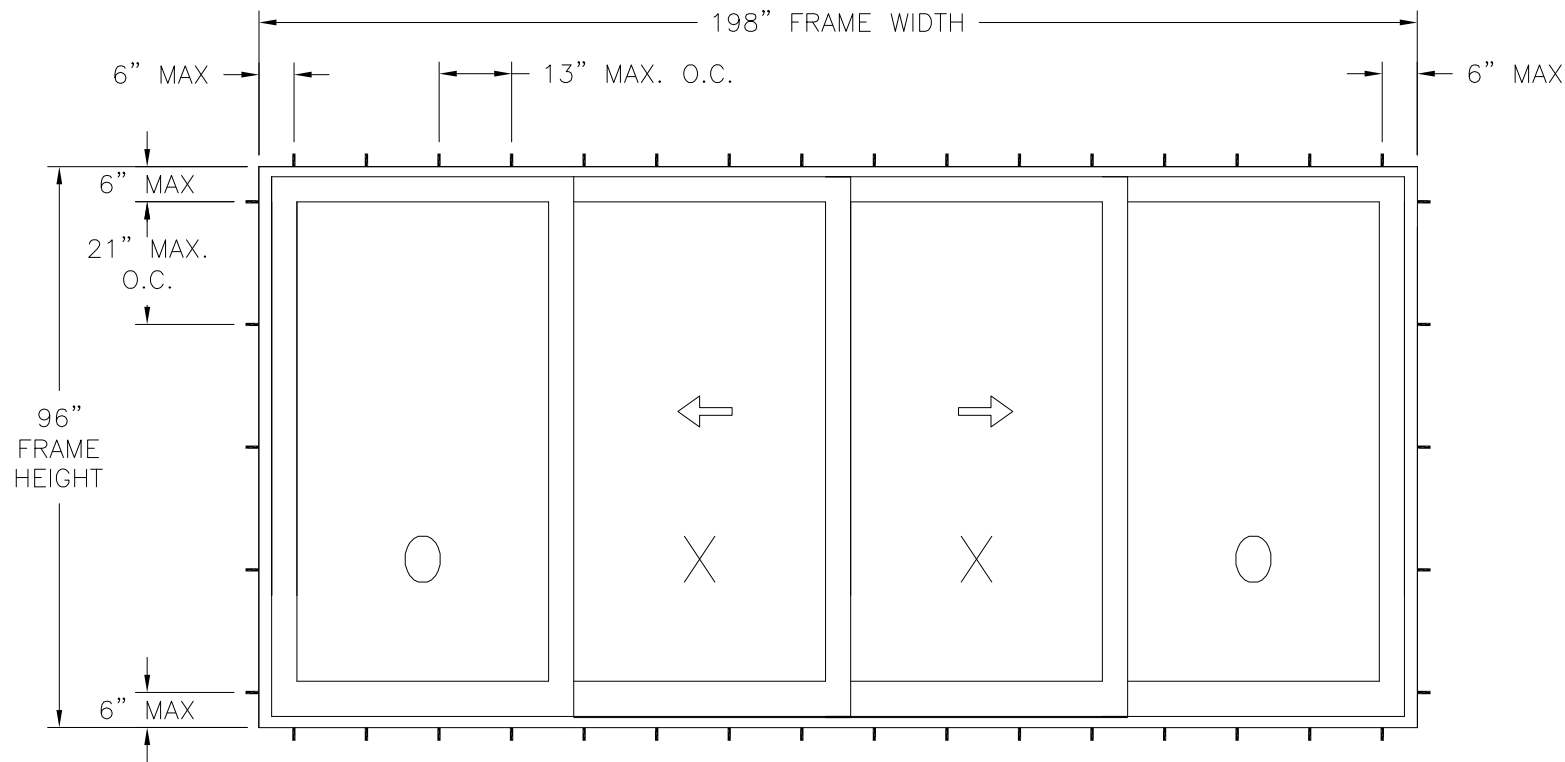
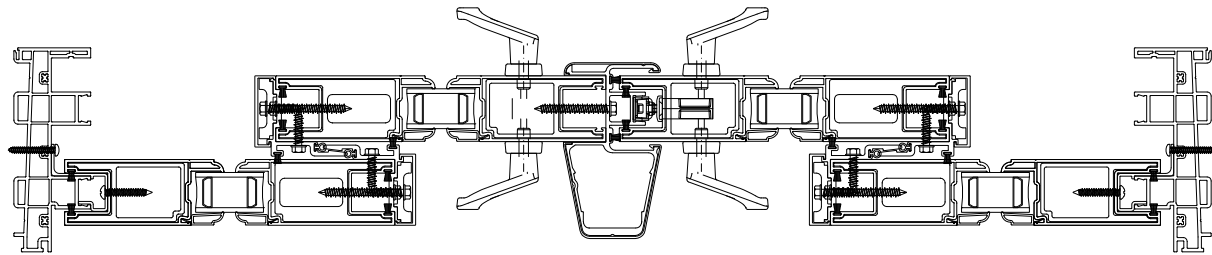
1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com



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

REVISIONS			
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- NOTES:
- 1. PANEL SIZE: 50 1/4" x 92 3/4"
 - 2. MAXIMUM D.L.O.: 41 1/2" x 84 1/4"

GRAND VISTA SLIDING DOOR 2TRACK
EXTERIOR VIEW

FOUR PANELS ON 2TRACK FRAME SHOWN, 3TRACK AND 4TRACK ARE APPROVED. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS, WITH OR WITHOUT POCKETS, ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 32.36 FT² AND USES VERTICAL CONDITIONS AS SHOWN IN APPROVAL DRAWING.

DESIGN PRESSURE RATING	IMPACT RATING
+65.0/-80.0 PSF	NONE

WITH 3.285" SILL RISER

DESIGN PRESSURE RATING	IMPACT RATING
+70.0/-80.0 PSF	NONE

WITH 3.785" SILL RISER

HARDWARE SCHEDULE	
A.	(1) METAL SINGLE HANDLE 2P MORTISE LOCKS, 52 1/2" FROM TOP OF LOCK STILES
B.	(1) METAL ASTRAGAL STILE AND LOCK JAMB AT LOCK LOCATION
C.	ALUMINUM REINFORCEMENT (650650 PD) AT PANEL TOP, BOTTOM RAIL, INTERLOCK AND LOCKSTILE
D.	EXTRUDED ALUMINUM TUBE AT INTERLOCKING STILES

SIGNED: 02/05/2018

VIWIN TECH WINDOWS AND DOORS
2400 IRVIN COBB DRIVE
PADUCAH, KY 42003

GRAND VISTA SLIDING DOOR
NON-IMPACT
OXXO 2TRACK ELEVATION

DRAWN:
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08-03196

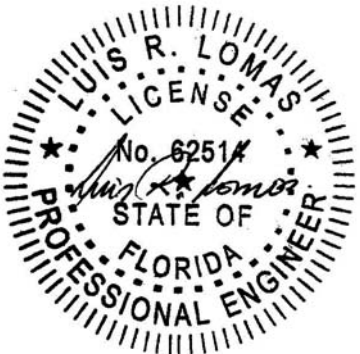
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SCALE
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DATE
12/08/17

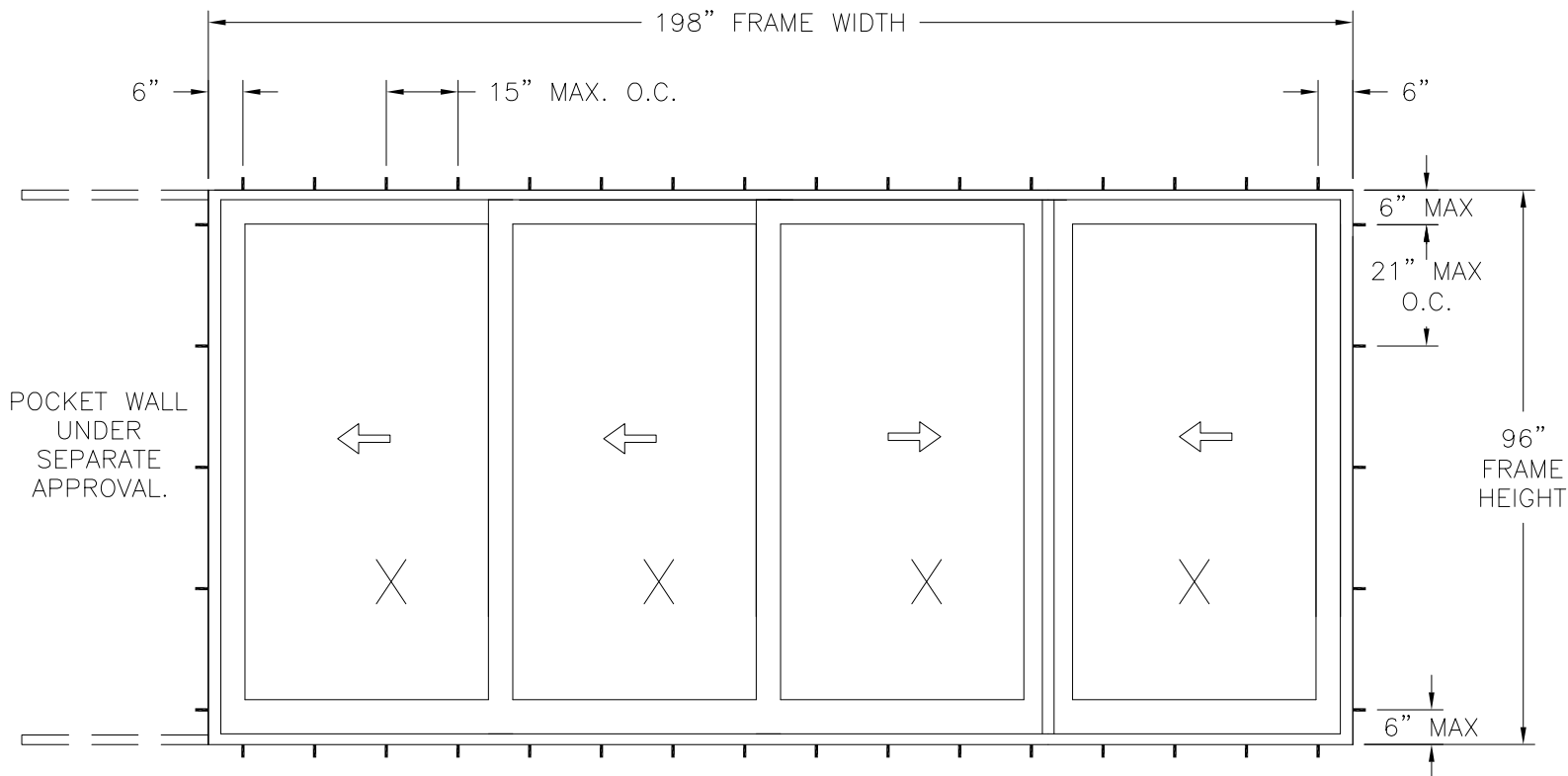
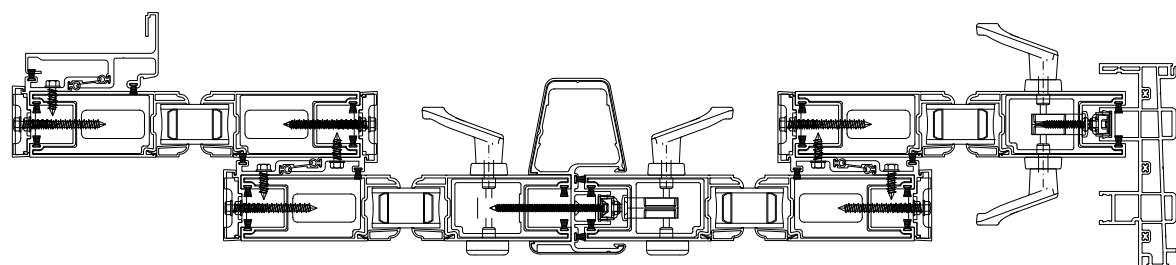
SHEET
2 OF 14

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GRAND VISTA SLIDING DOOR 2TRACK
EXTERIOR VIEW

FOUR PANELS ON 2TRACK FRAME SHOWN, 3TRACK AND 4TRACK ARE APPROVED. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS, WITH OR WITHOUT POCKETS, ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 32.36 FT² AND USES VERTICAL CONDITIONS AS SHOWN IN APPROVAL DRAWING.

DESIGN PRESSURE RATING	IMPACT RATING
+70.0/-75.0 PSF	NONE

WITH 3.285" SILL RISER

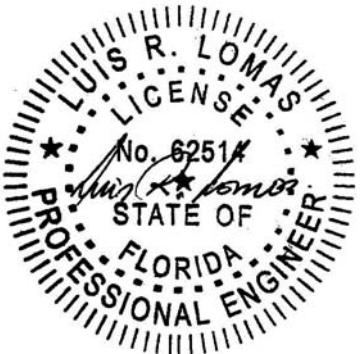
DESIGN PRESSURE RATING	IMPACT RATING
±75.0 PSF	NONE

WITH 3.785" SILL RISER

HARDWARE SCHEDULE	
A.	(1) METAL SINGLE HANDLE 2P MORTISE LOCKS, 52 1/2" FROM TOP OF LOCK STILES
B.	(1) METAL ASTRAGAL STILE AND LOCK JAMB AT LOCK LOCATION
C.	ALUMINUM REINFORCEMENT (650650 PD) AT PANEL TOP, BOTTOM RAIL, INTERLOCK AND LOCKSTILE
D.	EXTRUDED ALUMINUM TUBE AT INTERLOCKING STILES

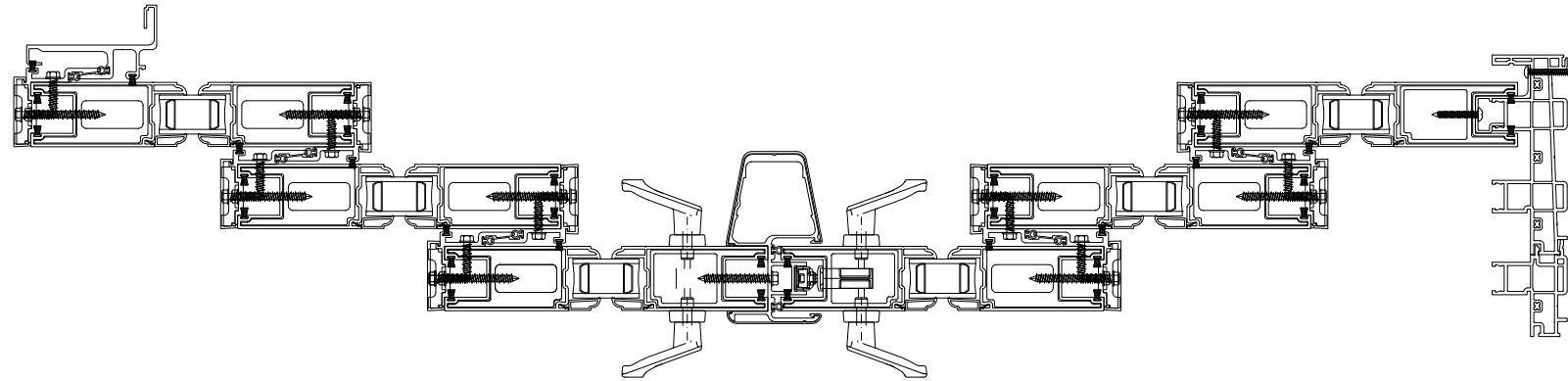
VIWIN TECH WINDOWS AND DOORS 2400 IRVIN COBB DRIVE PADUCAH, KY 42003		
GRAND VISTA SLIDING DOOR NON-IMPACT XXXX 2TRACK ELEVATION		
DRAWN: A.R.	DWG NO. 08-03196	REV -
SCALE NTS	DATE 12/08/17	SHEET 3 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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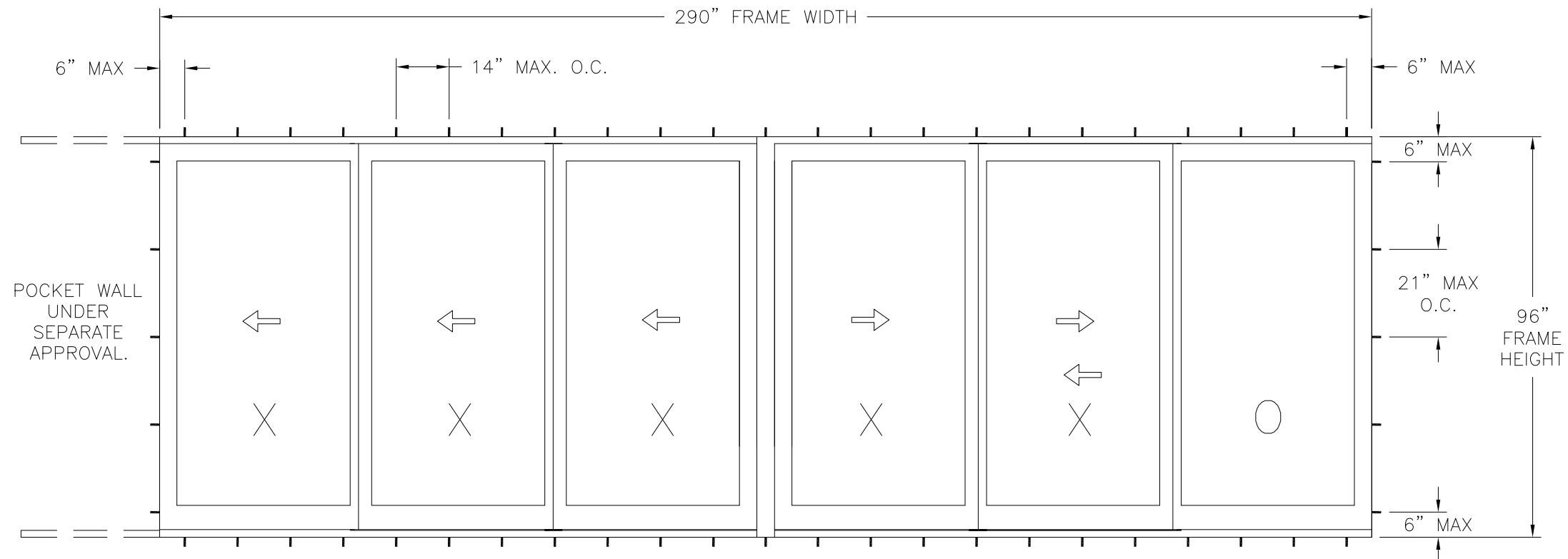
Luis R. Lomas P.E.
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NOTES:

1. **PANEL SIZE:** 50 1/4" x 92 3/4"
2. **MAXIMUM D.L.O.:** 41 1/2" x 84 1/4"



GRAND VISTA SLIDING DOOR 3TRACK

EXTERIOR VIEW

SIX PANELS ON 3TRACK FRAME SHOWN, 2TRACK AND 4TRACK ARE APPROVED. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS, WITH OR WITHOUT POCKETS, ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 32.36 FT² AND USES VERTICAL CONDITIONS AS SHOWN IN APPROVAL DRAWING.

<i>DESIGN PRESSURE RATING</i>	<i>IMPACT RATING</i>
<i>+70.0/-80.0 PSF</i>	<i>NONE</i>

WITH 3.285" SILL RISER

<i>DESIGN PRESSURE RATING</i>	<i>IMPACT RATING</i>
<i>±80.0 PSF</i>	<i>NONE</i>

WITH 3.785" SILL RISER

HARDWARE SCHEDULE

A.	(1) METAL SINGLE HANDLE 2P MORTISE LOCKS, 52 1/2" FROM TOP OF LOCK STILES
B.	(1) METAL ASTRAGAL STILE AND LOCK JAMB AT LOCK LOCATION
C.	ALUMINUM REINFORCEMENT (650650 PD) AT PANEL TOP, BOTTOM RAIL, INTERLOCK AND LOCKSTILE
D.	EXTRUDED ALUMINUM TUBE AT INTERLOCKING STILES

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VIWIN TECH WINDOWS AND DOORS

2400 IRVIN COBB DRIVE
PADUCAH, KY 42003

GRAND VISTA SLIDING DOOR
NON-IMPACT
XXXXXO 3TRACK ELEVATION

DRAWN:
A.R.

DWG NO.

08-03196

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SCALE NTS

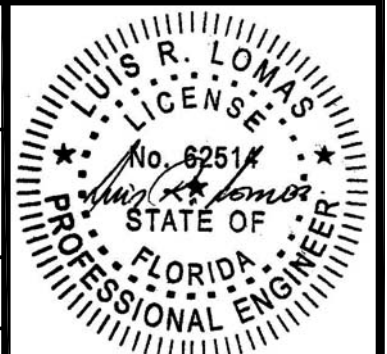
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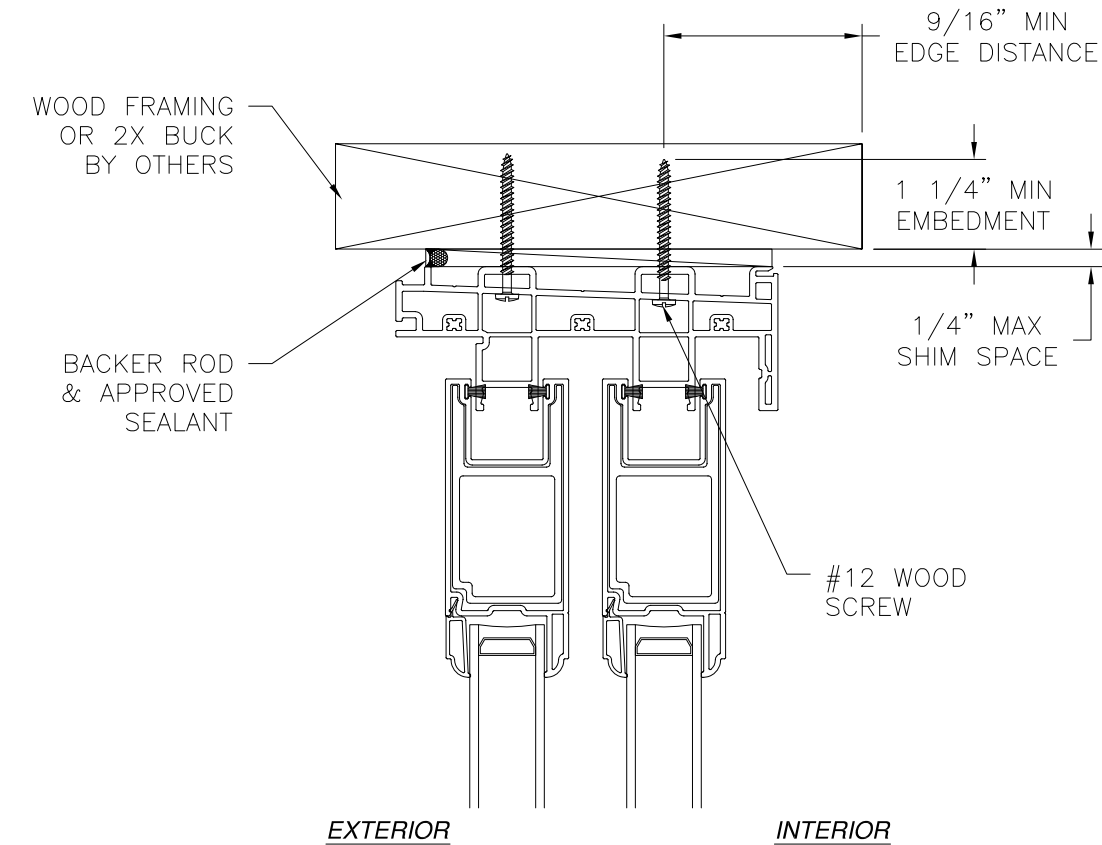
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434-688-0609 rllomas@lrlomaspe.com

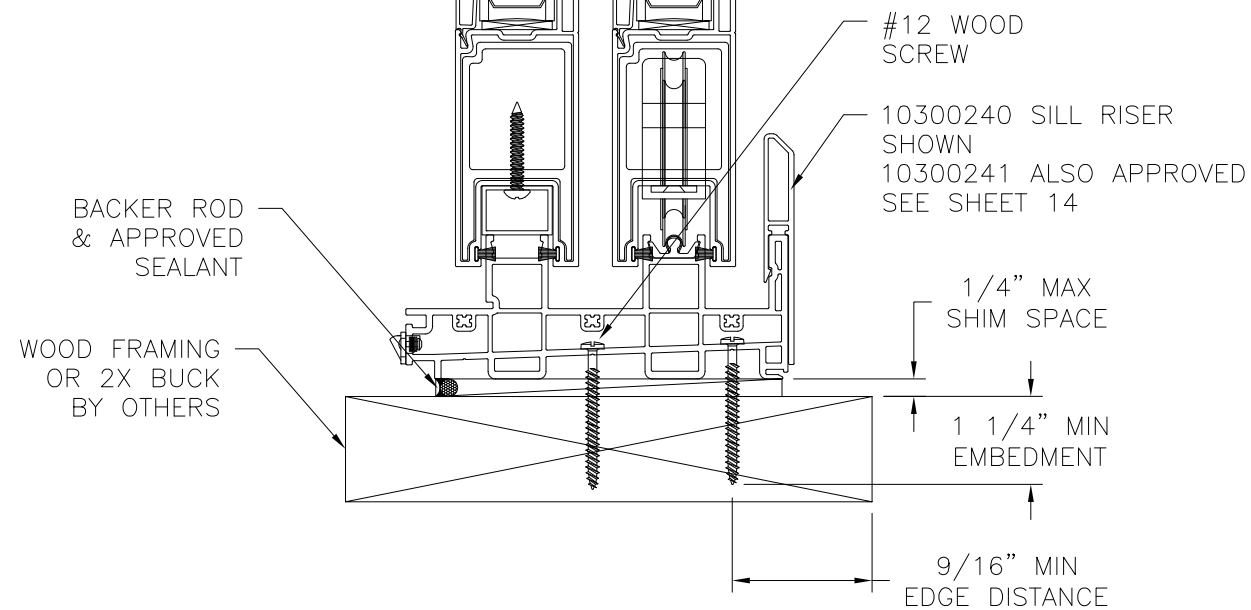


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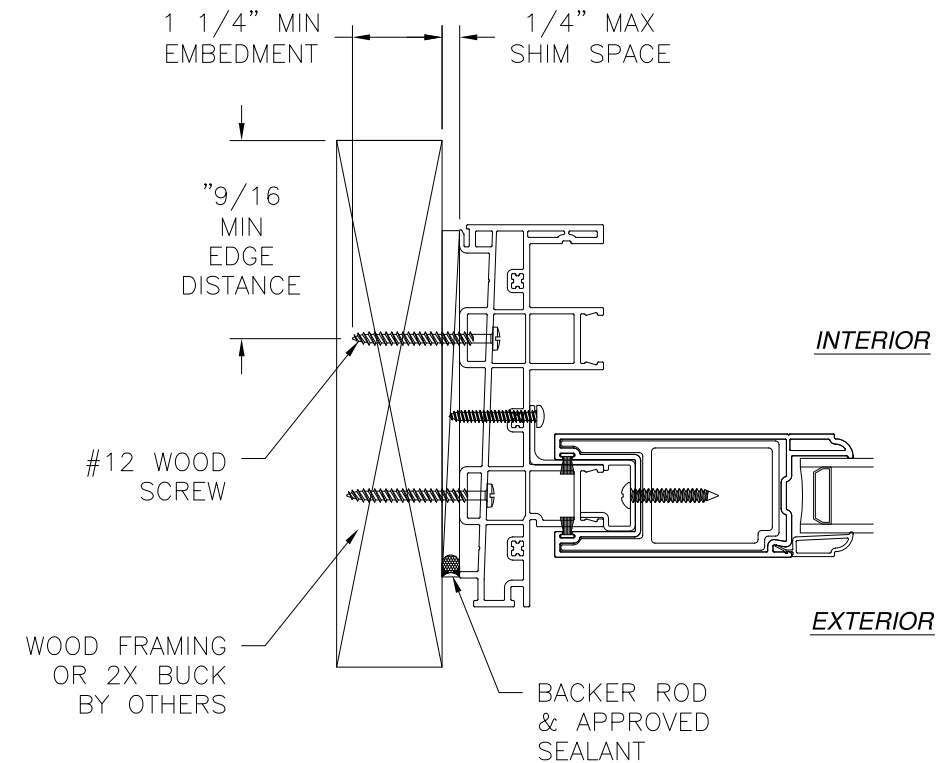
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EXTERIOR INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



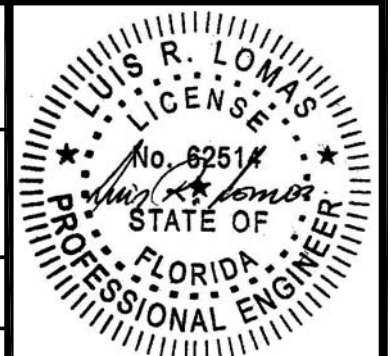
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:

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

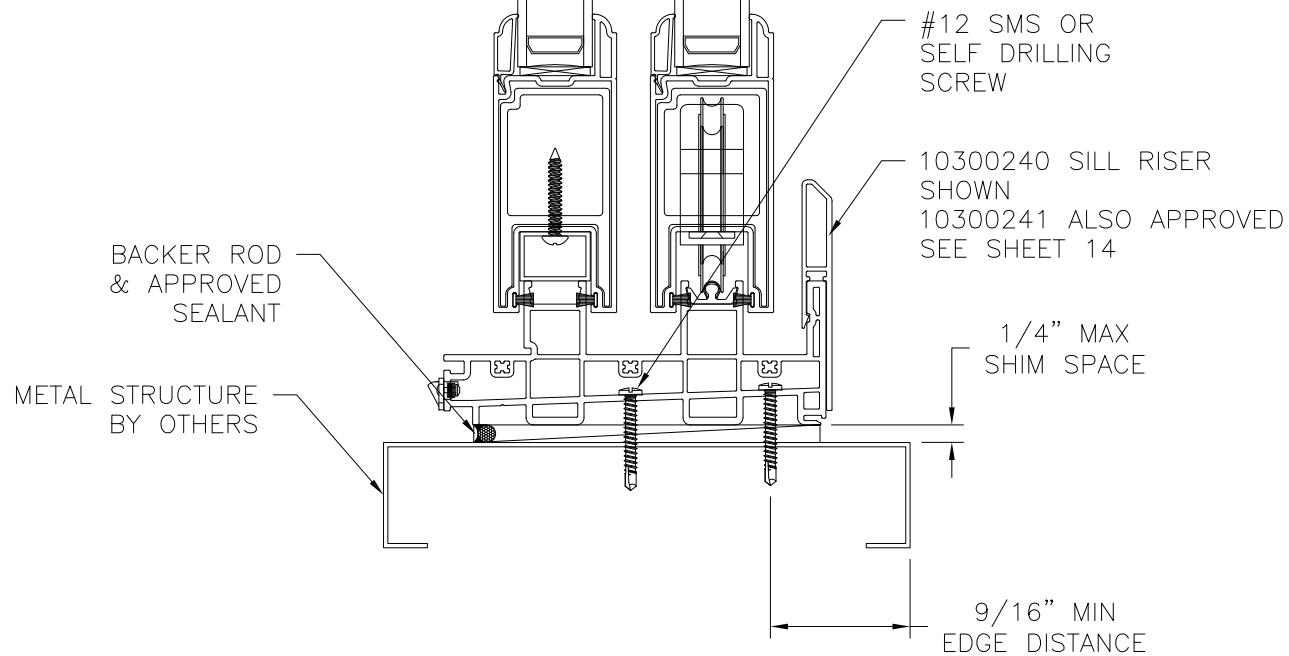
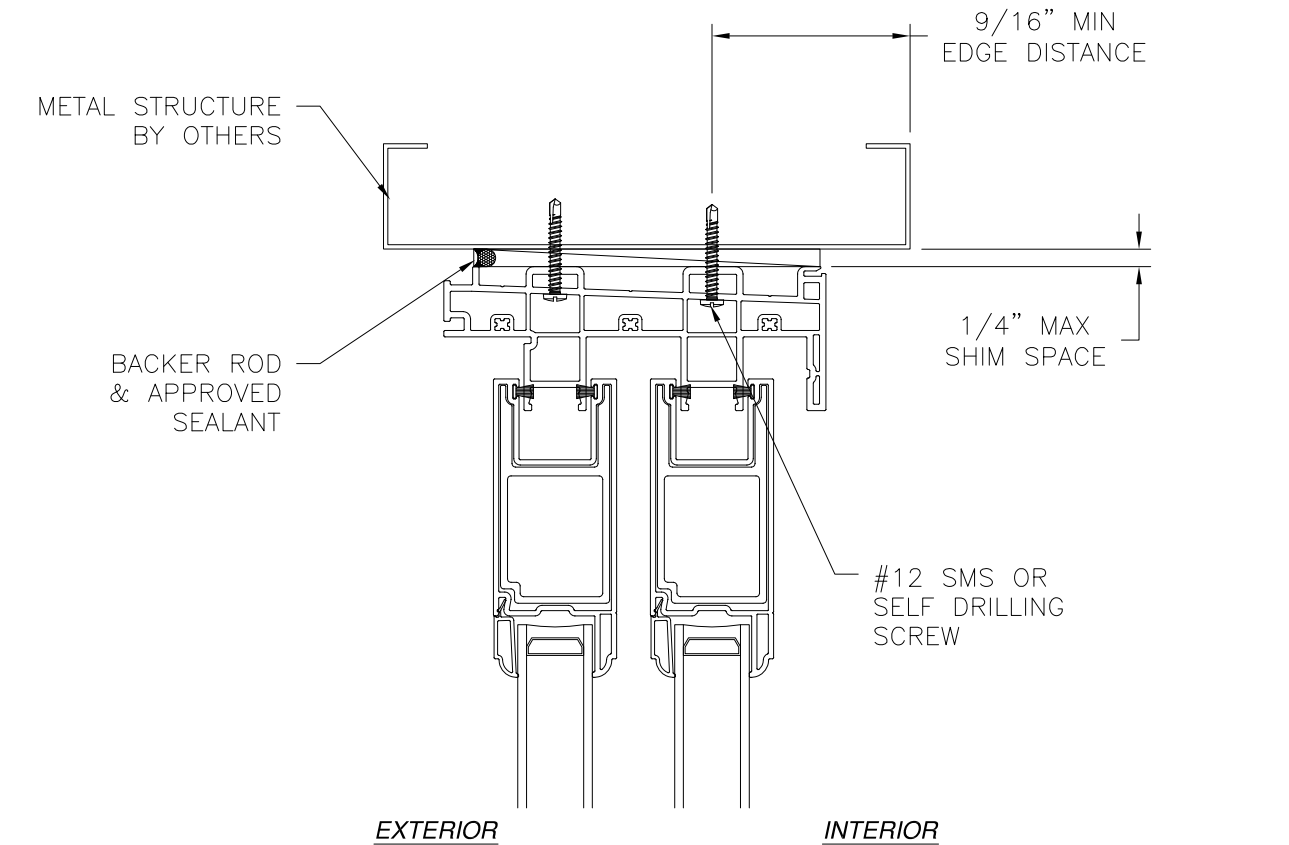
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VIWIN TECH WINDOWS AND DOORS 2400 IRVIN COBB DRIVE PADUCAH, KY 42003		
GRAND VISTA SLIDING DOOR NON-IMPACT 2TRACK INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03196	REV -
SCALE NTS	DATE 12/08/17	SHEET 5 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

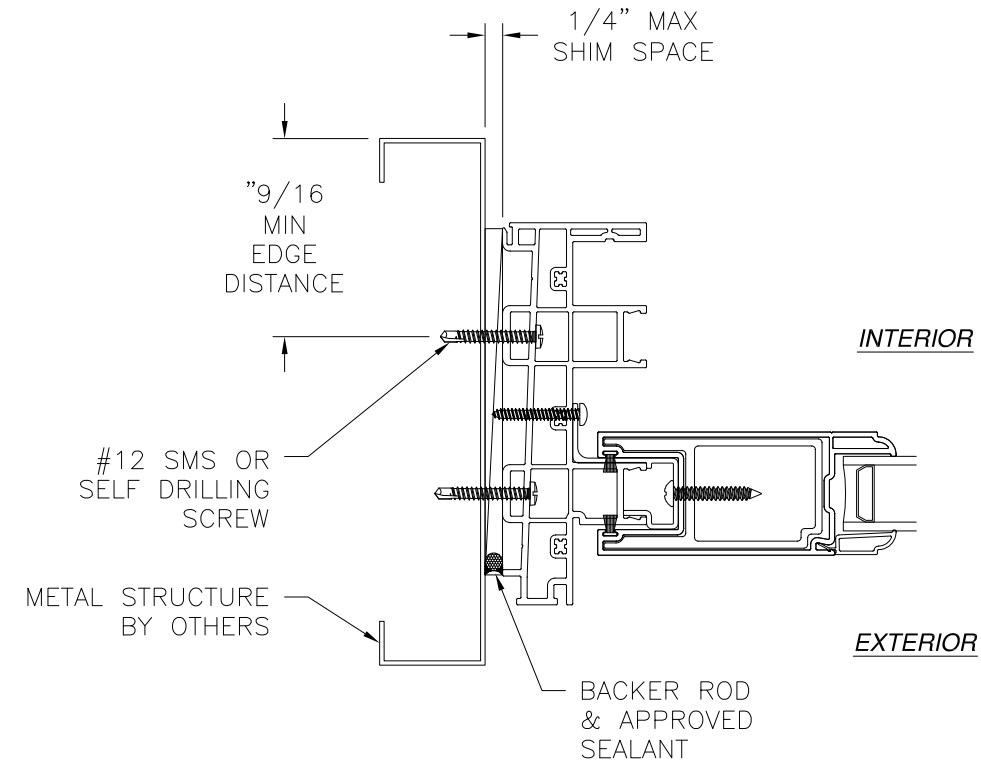


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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

SIGNED: 02/05/2018

VIWIN TECH WINDOWS AND DOORS
2400 IRVIN COBB DRIVE
PADUCAH, KY 42003

GRAND VISTA SLIDING DOOR
NON-IMPACT
2TRACK INSTALLATION DETAILS

DRAWN:
A.R.

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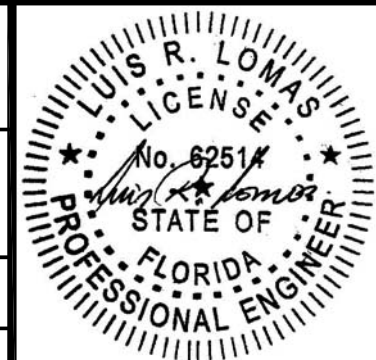
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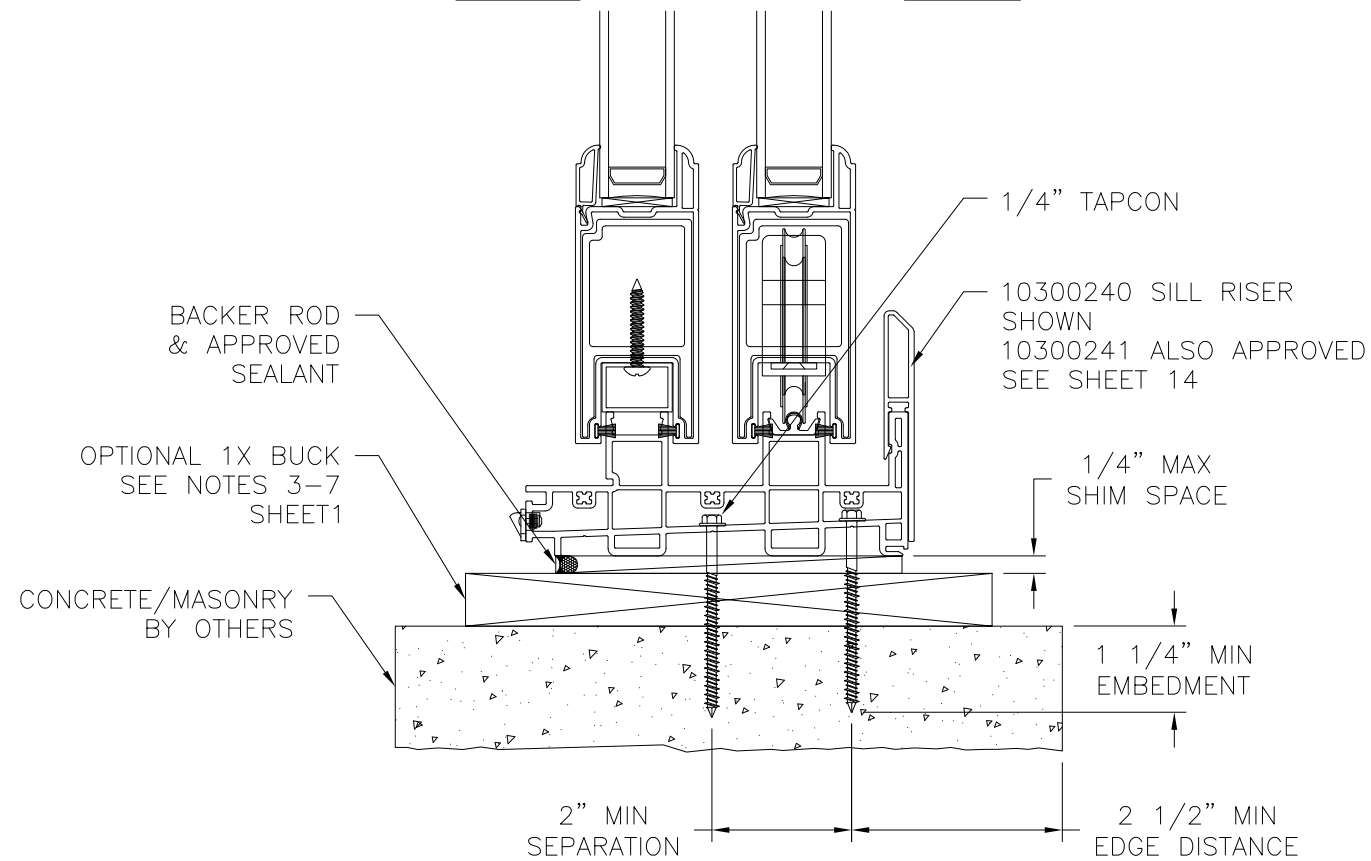
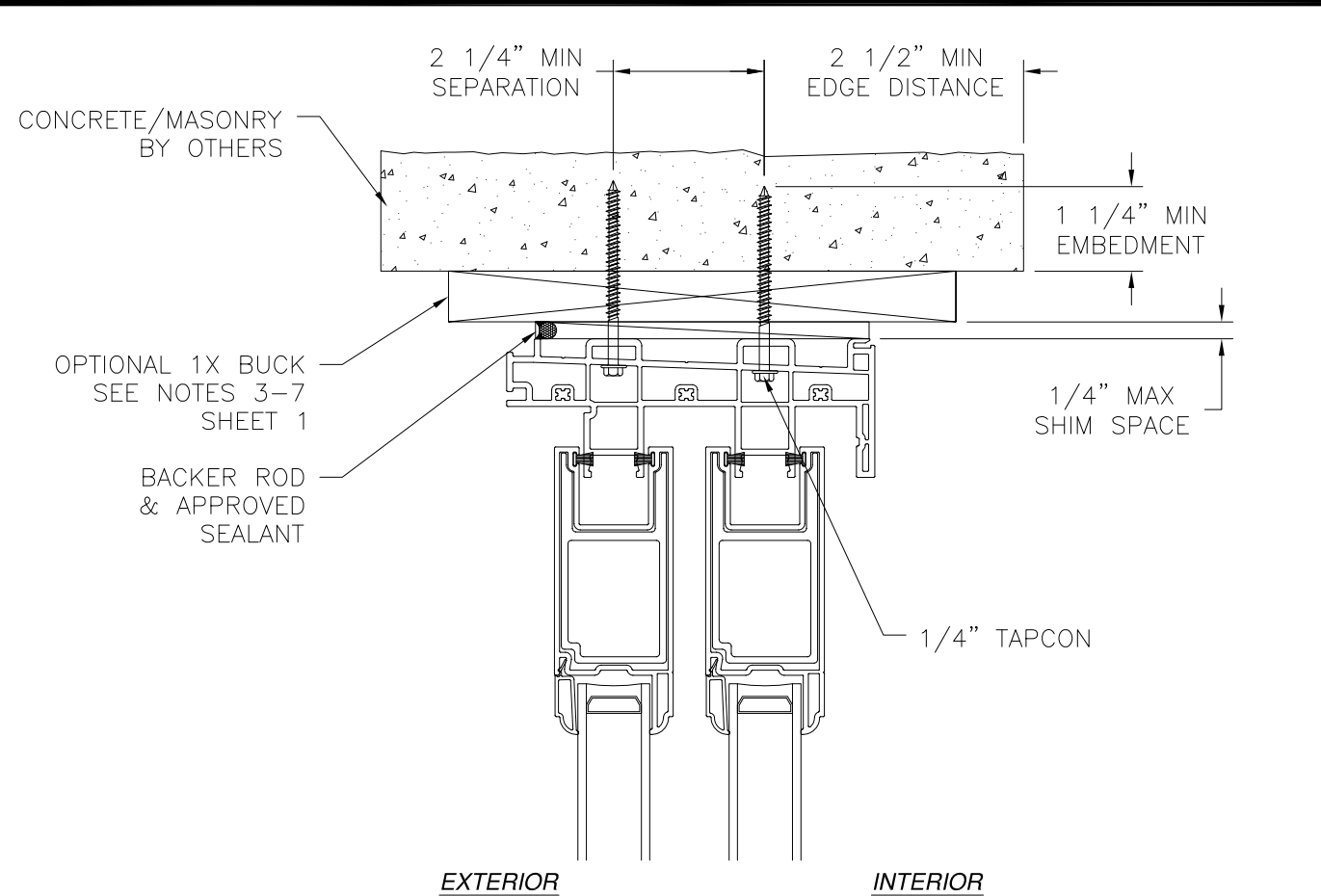
DATE 12/08/17

SHEET 6 OF 14

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

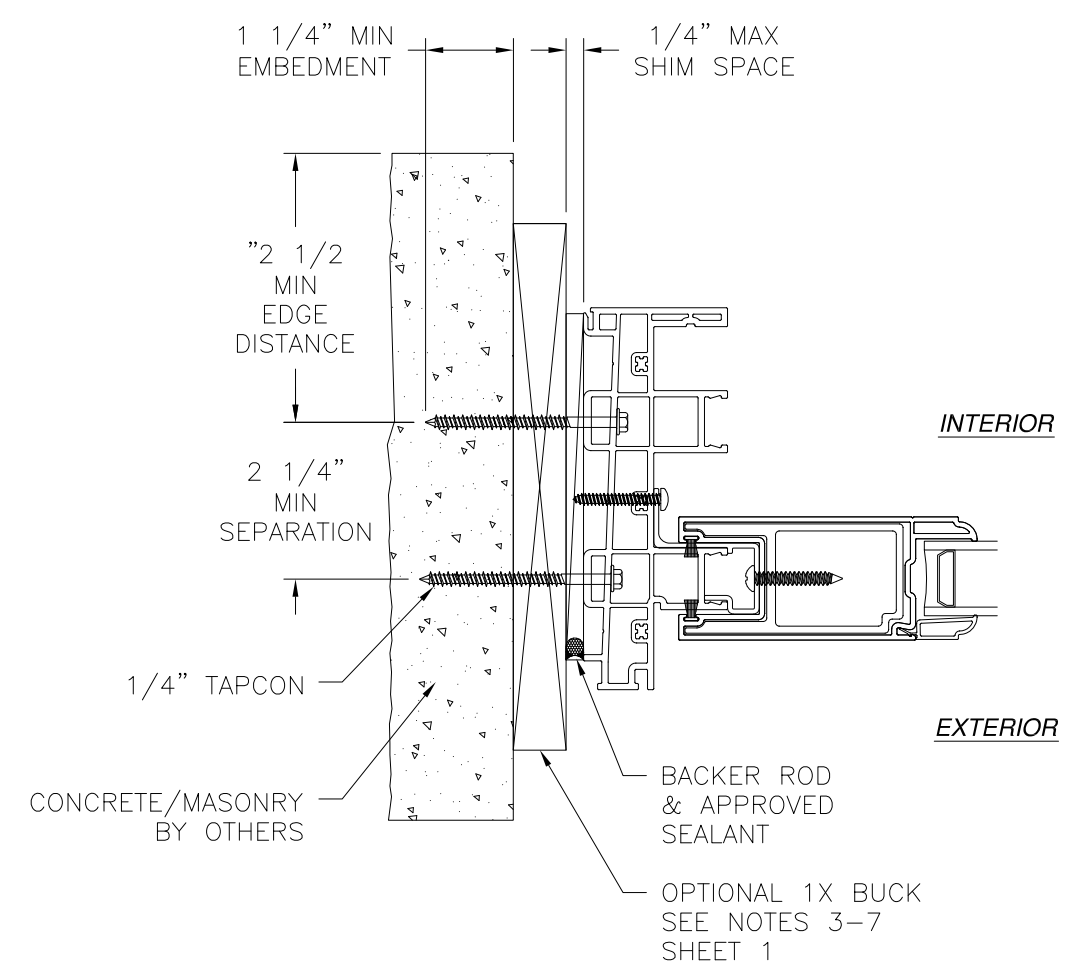


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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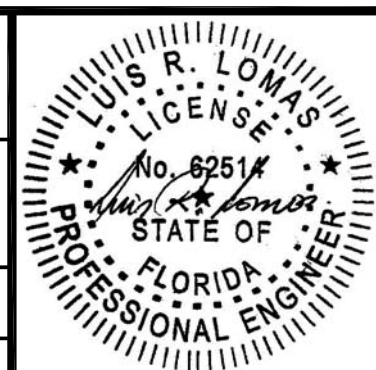


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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

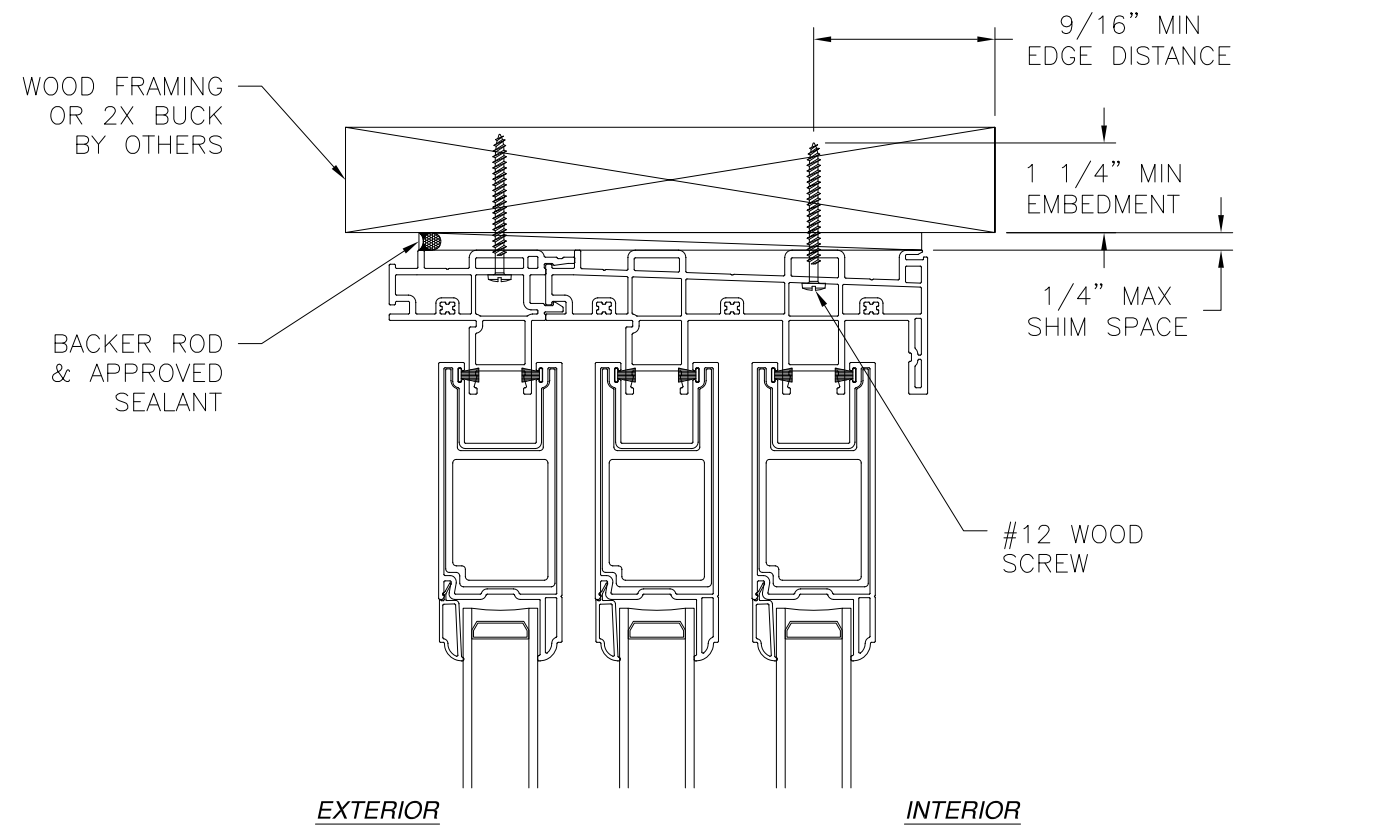
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VIWIN TECH WINDOWS AND DOORS 2400 IRVIN COBB DRIVE PADUCAH, KY 42003		
GRAND VISTA SLIDING DOOR NON-IMPACT 2TRACK INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03196	REV -
SCALE NTS	DATE 12/08/17	SHEET 7 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



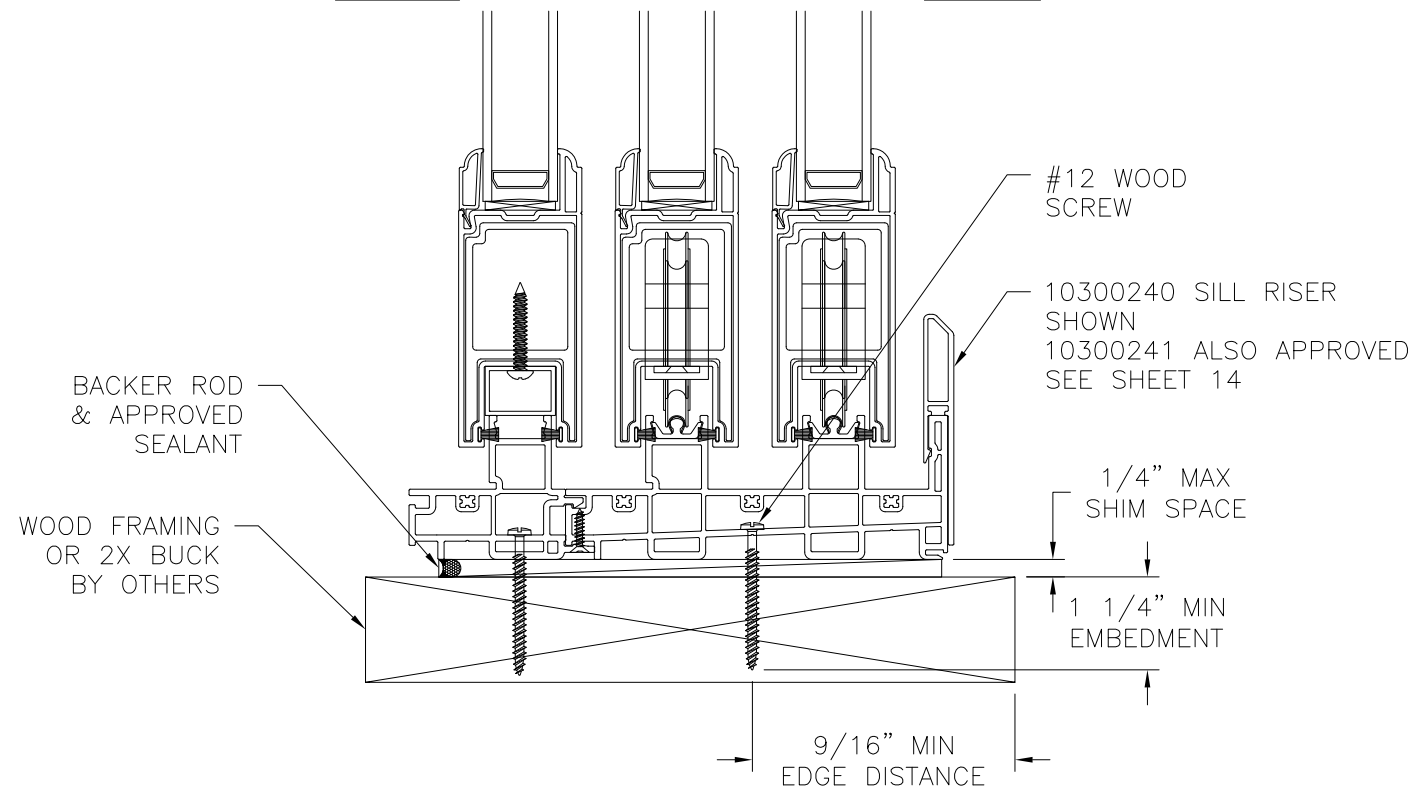
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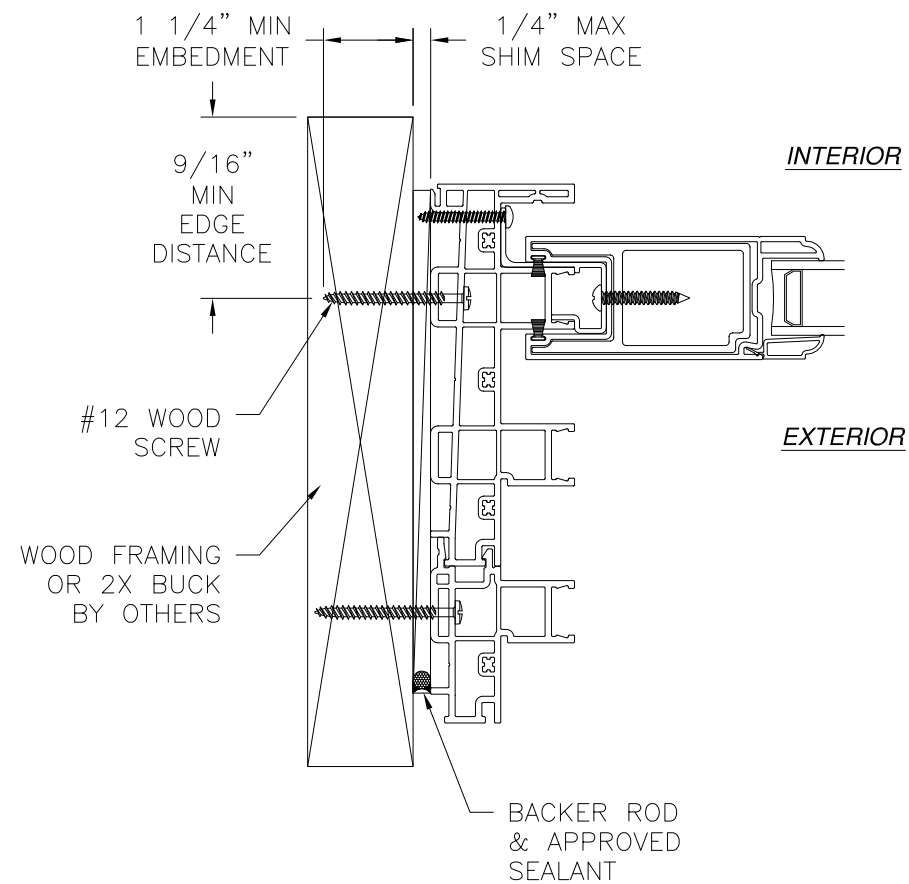


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



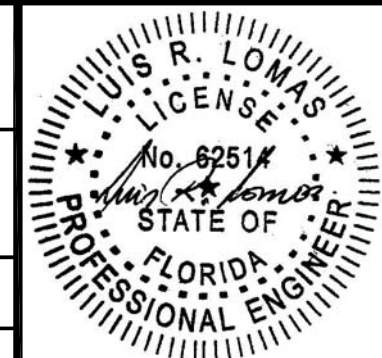
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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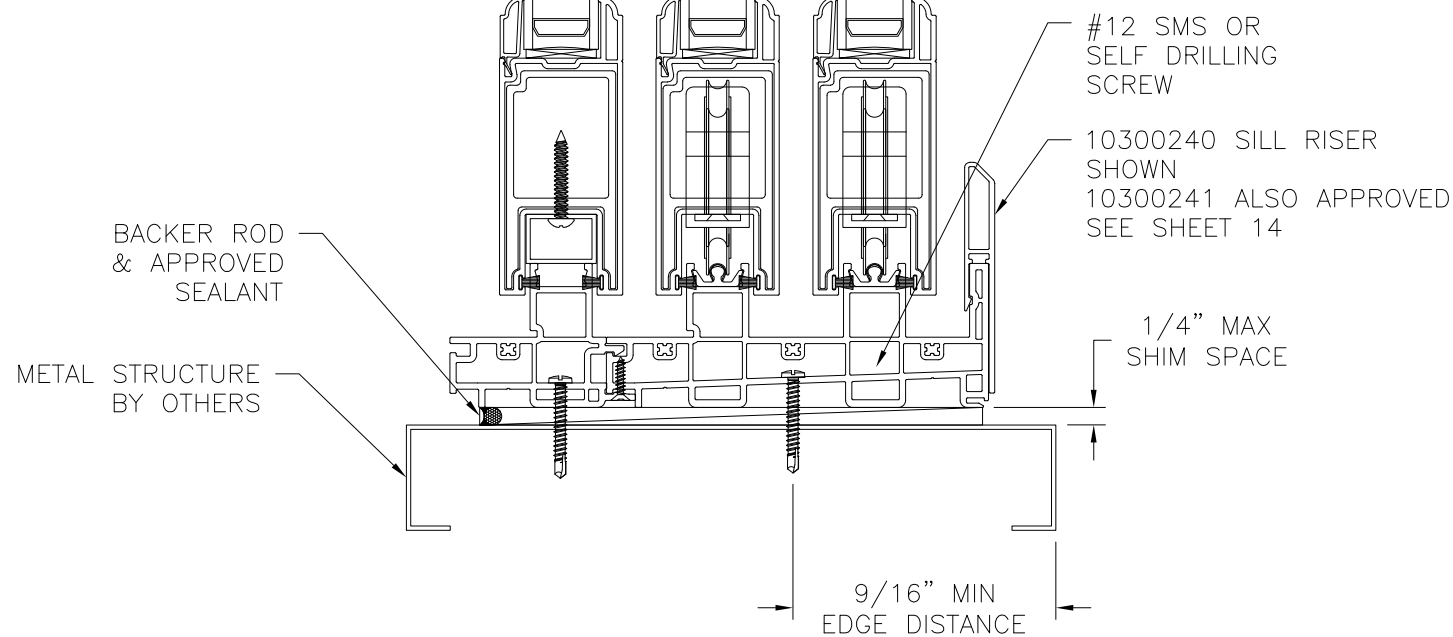
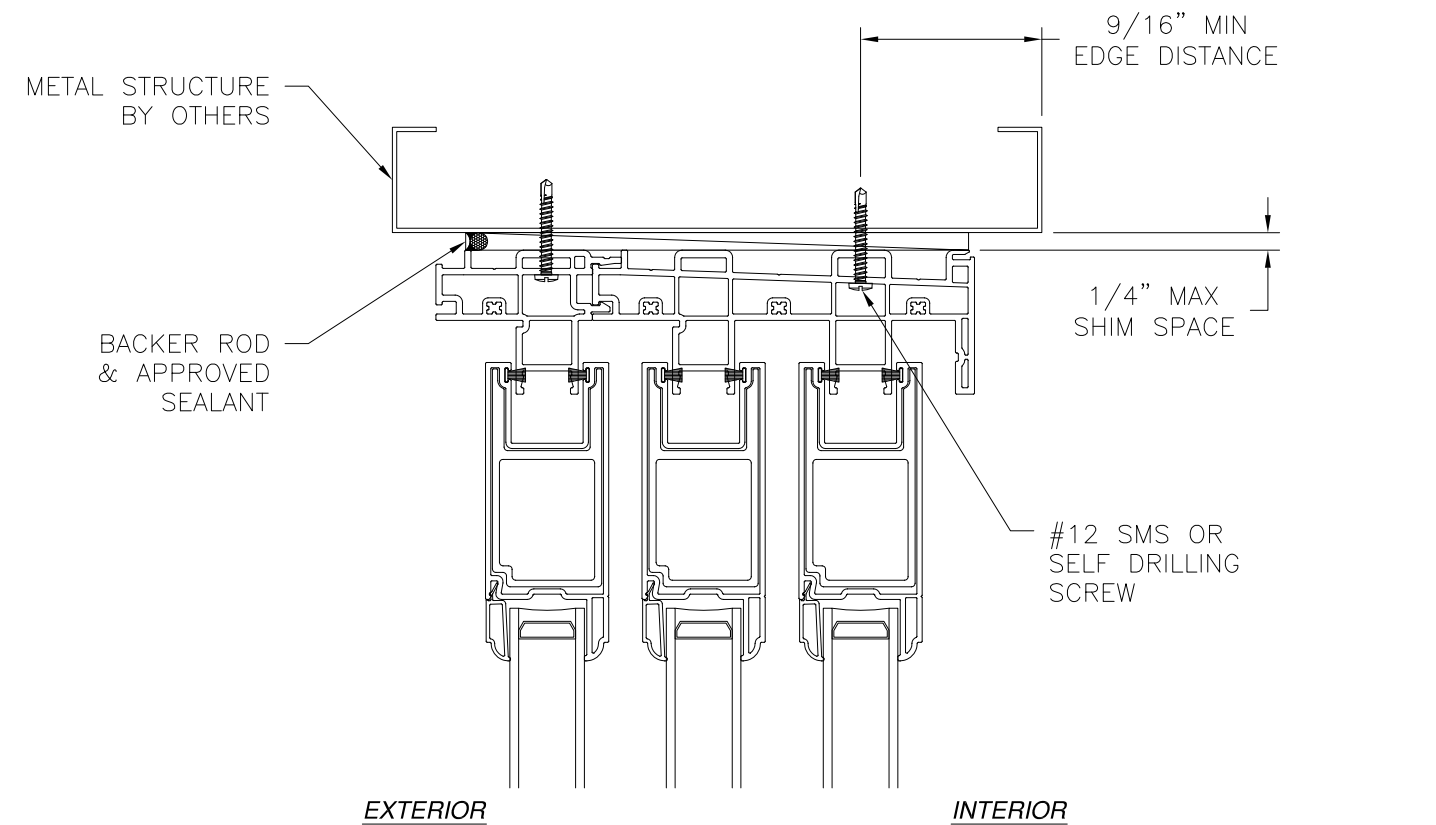
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VIWIN TECH WINDOWS AND DOORS 2400 IRVIN COBB DRIVE PADUCAH, KY 42003		
GRAND VISTA SLIDING DOOR NON-IMPACT 3TRACK INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03196	REV -
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L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

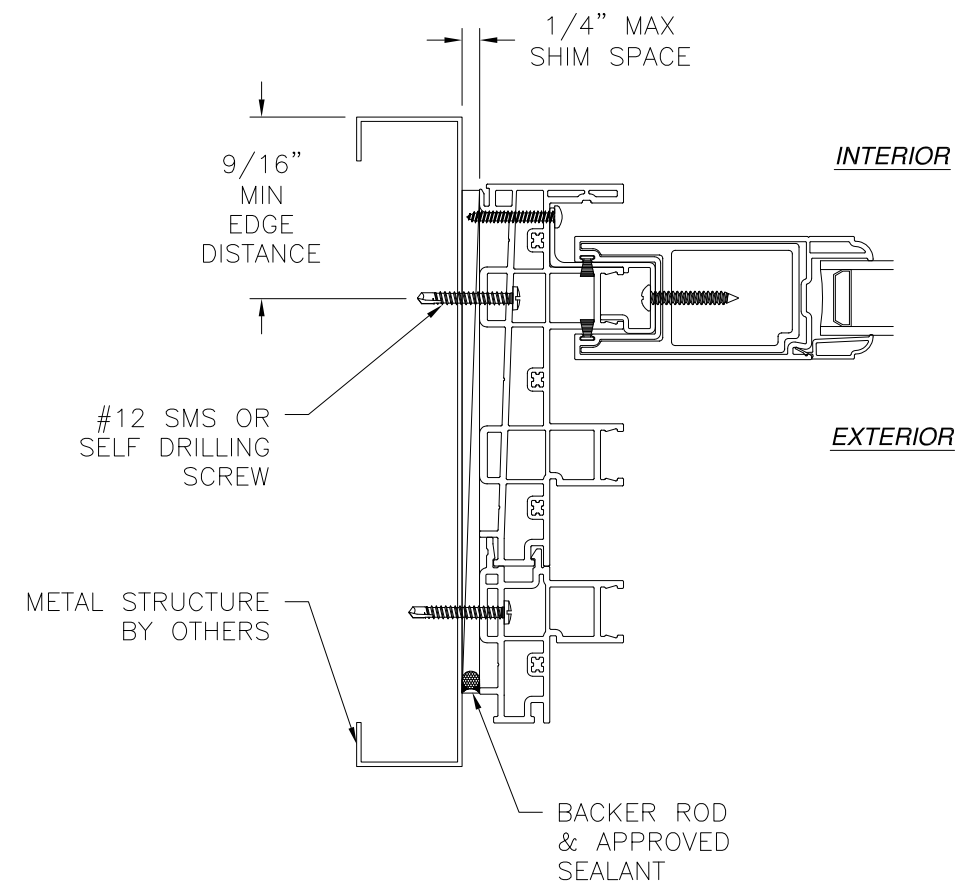


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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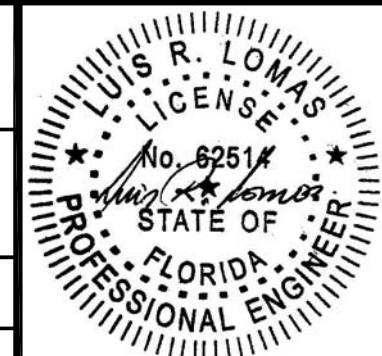
VIWIN TECH WINDOWS AND DOORS

2400 IRVIN COBB DRIVE
PADUCAH, KY 42003

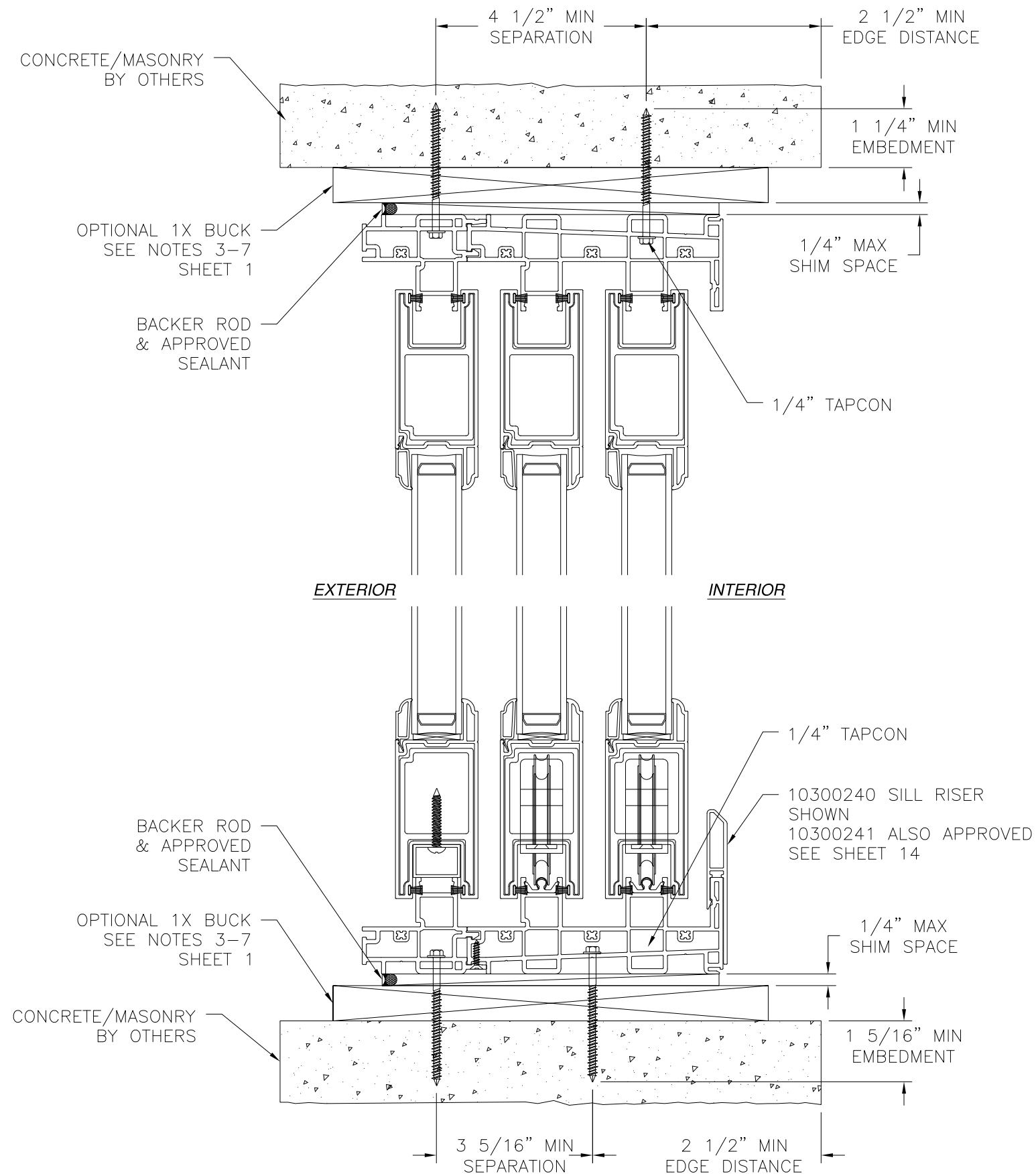
GRAND VISTA SLIDING DOOR
NON-IMPACT
3TRACK INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03196	REV -
SCALE NTS	DATE 12/08/17	SHEET 9 OF 14

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



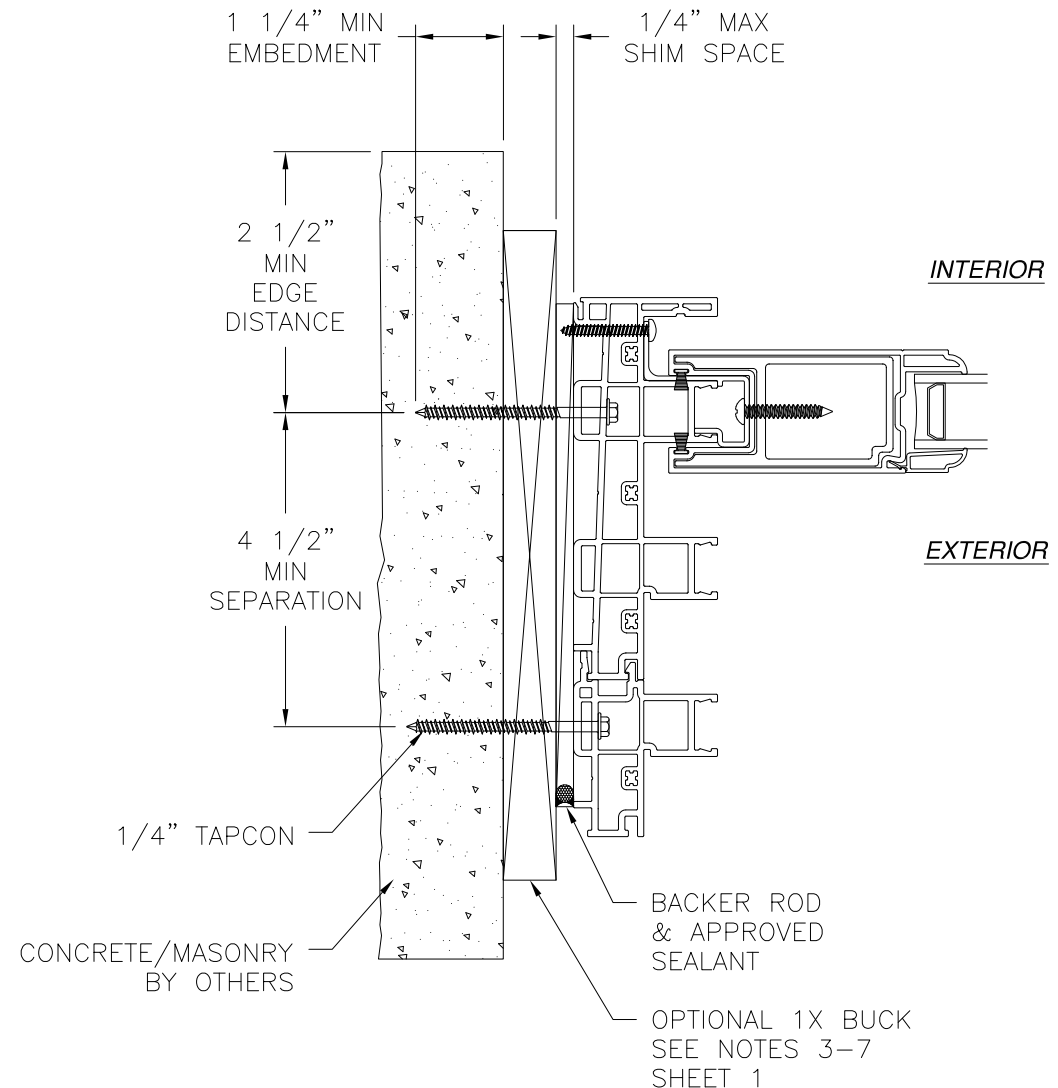
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FL No.: 62514



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

NOTES:

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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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VIWIN TECH WINDOWS AND DOORS

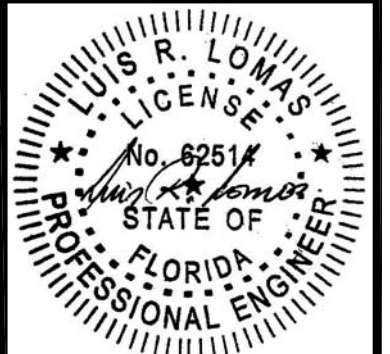
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GRAND VISTA SLIDING DOOR
NON-IMPACT
3TRACK INSTALLATION DETAILS

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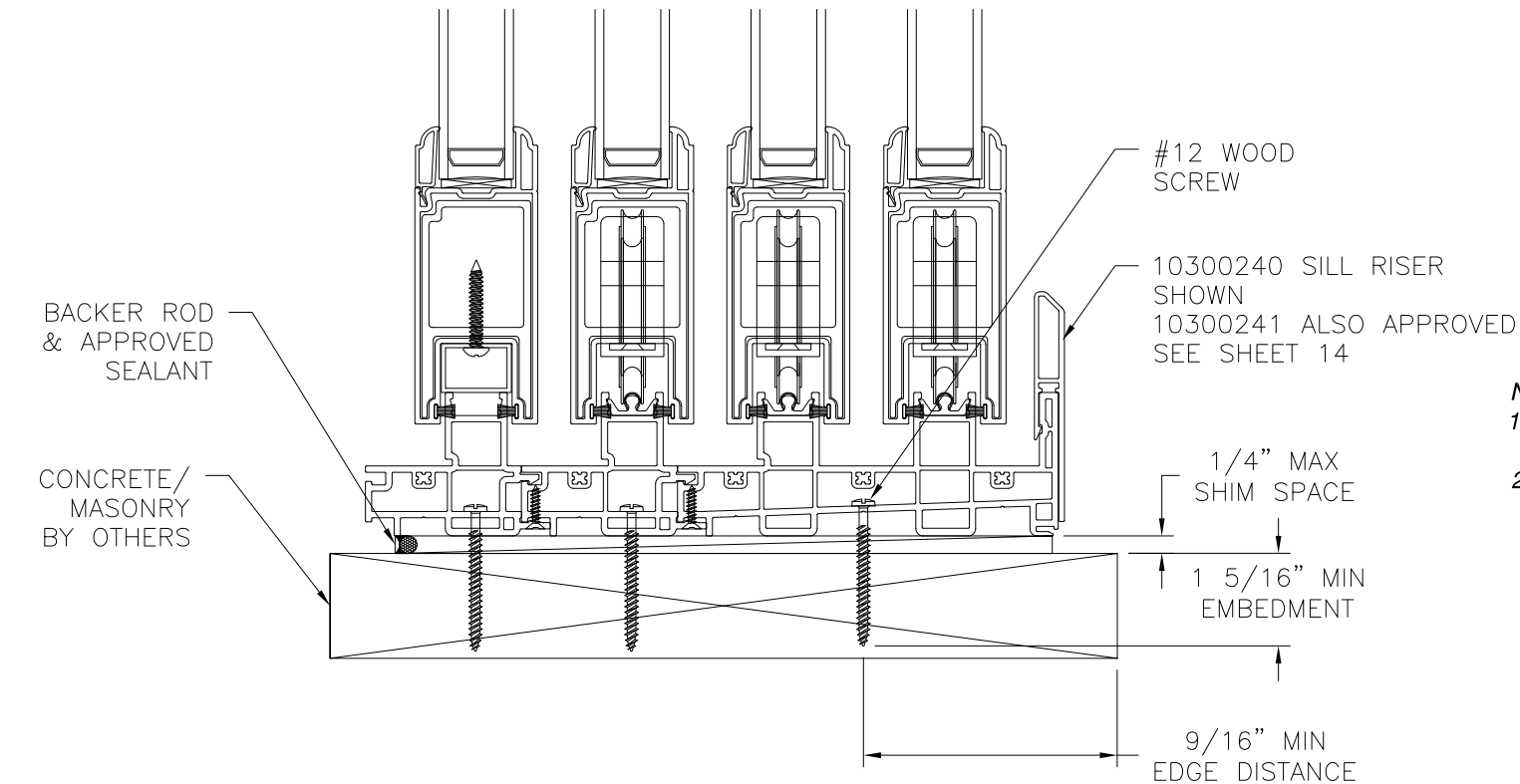
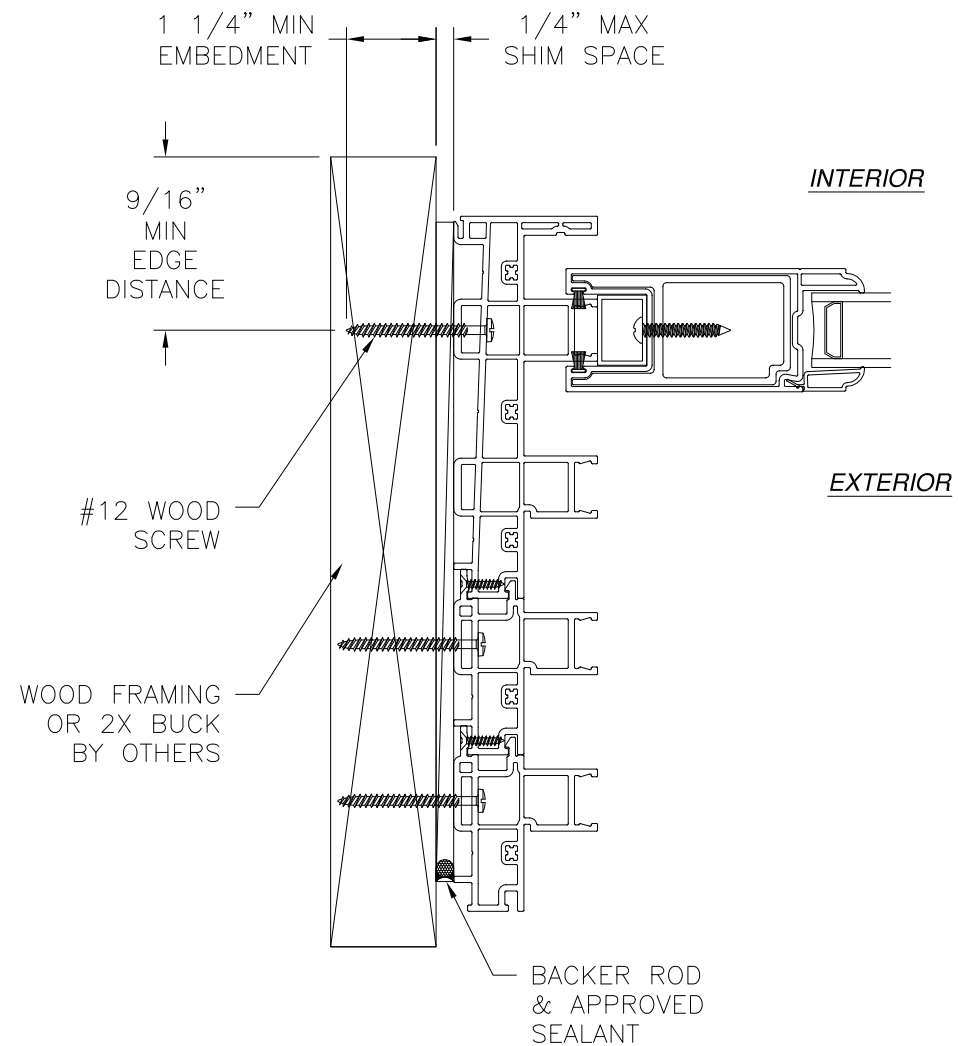
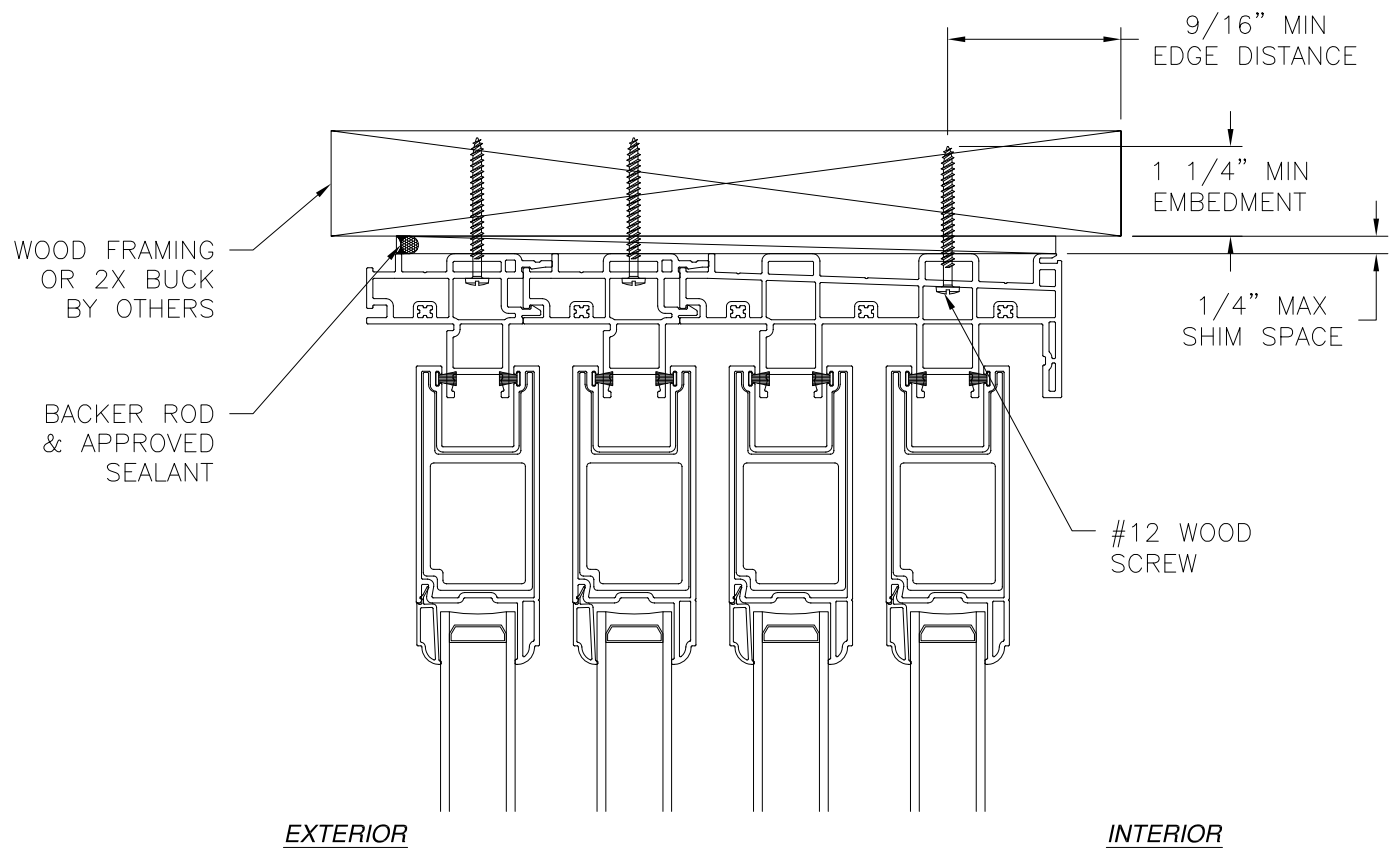
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REVISIONS			
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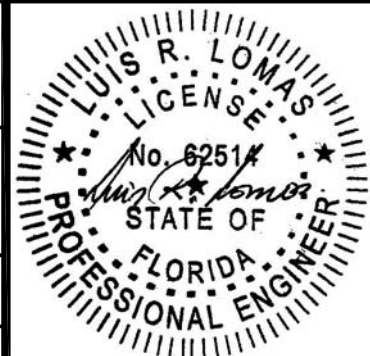
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

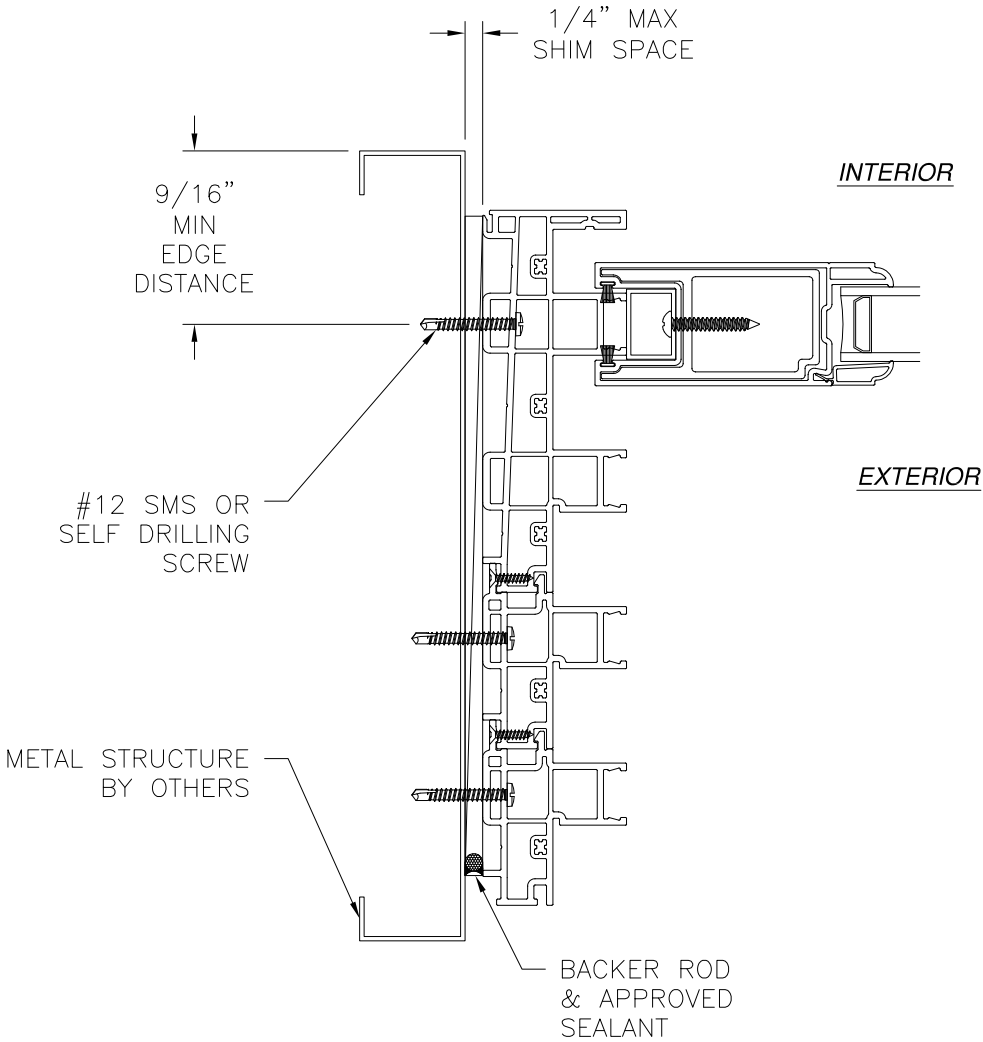
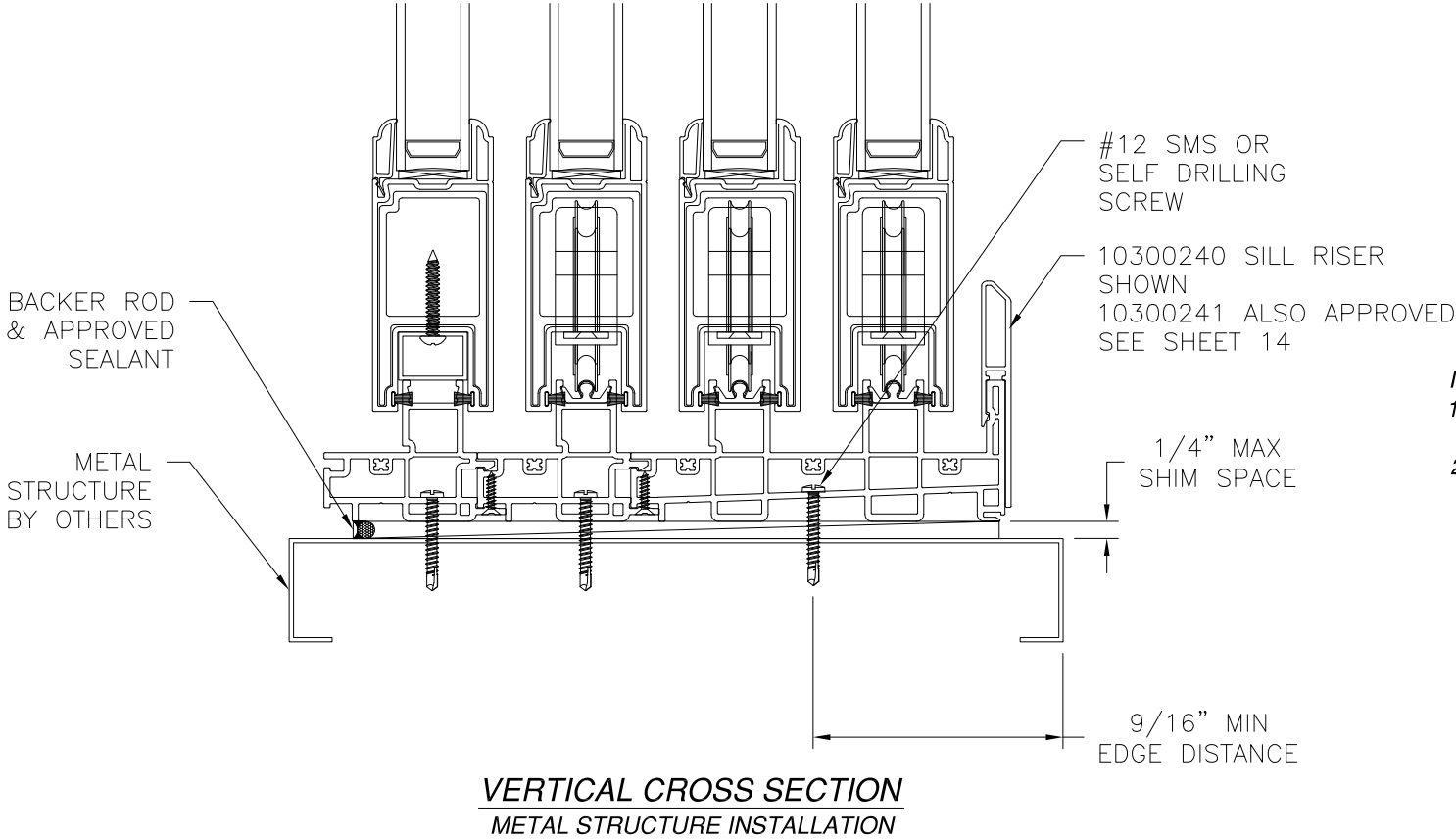
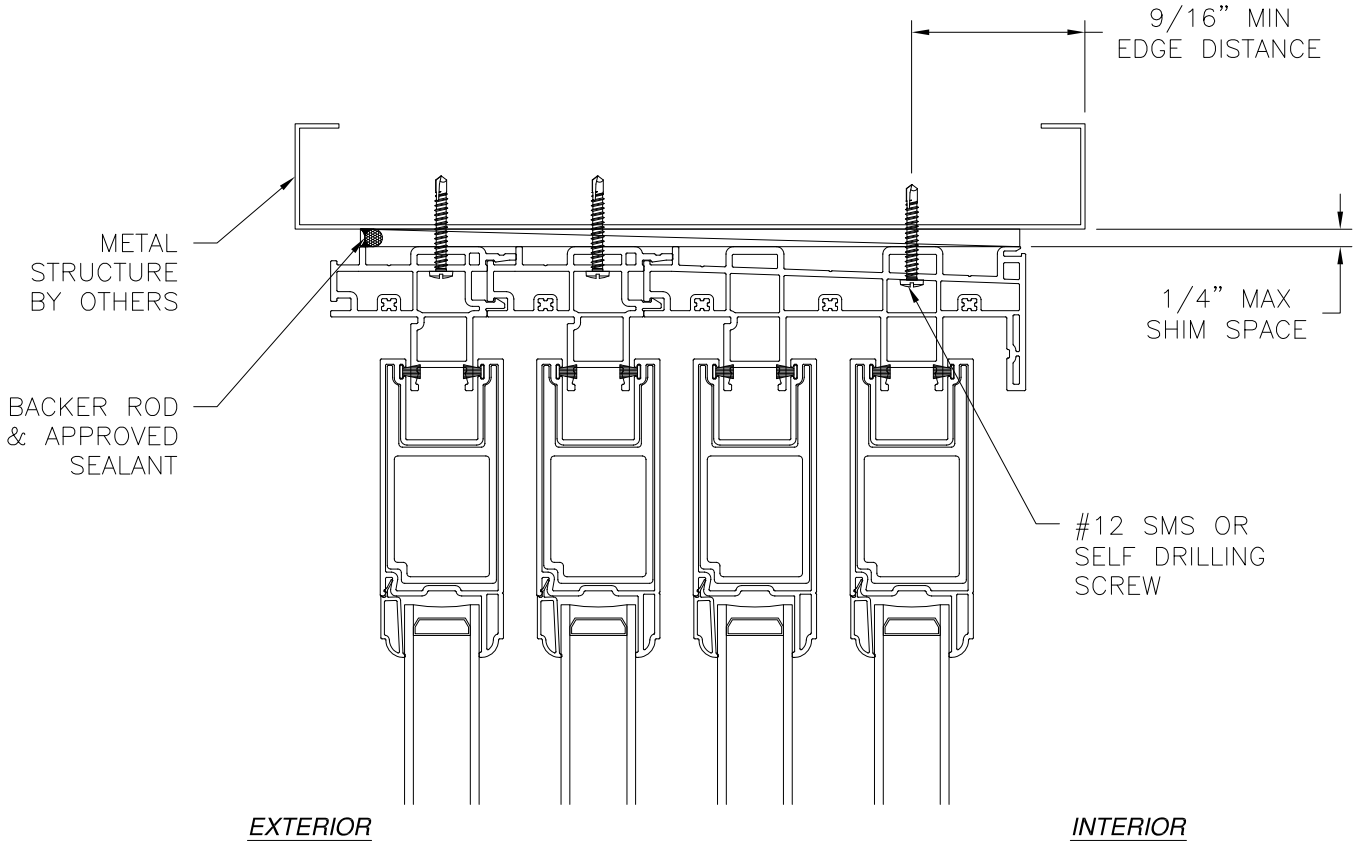
SIGNED: 02/05/2018

VIWIN TECH WINDOWS AND DOORS 2400 IRVIN COBB DRIVE PADUCAH, KY 42003		
GRAND VISTA SLIDING DOOR NON-IMPACT 4TRACK INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03196	REV -
SCALE NTS	DATE 12/08/17	SHEET 11 OF 14
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



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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SIGNED: 02/05/2018

VIWIN TECH WINDOWS AND DOORS
2400 IRVIN COBB DRIVE
PADUCAH, KY 42003

GRAND VISTA SLIDING DOOR
NON-IMPACT
4TRACK INSTALLATION DETAILS

DRAWN:
A.R.

DWG NO.
08-03196

REV
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SCALE
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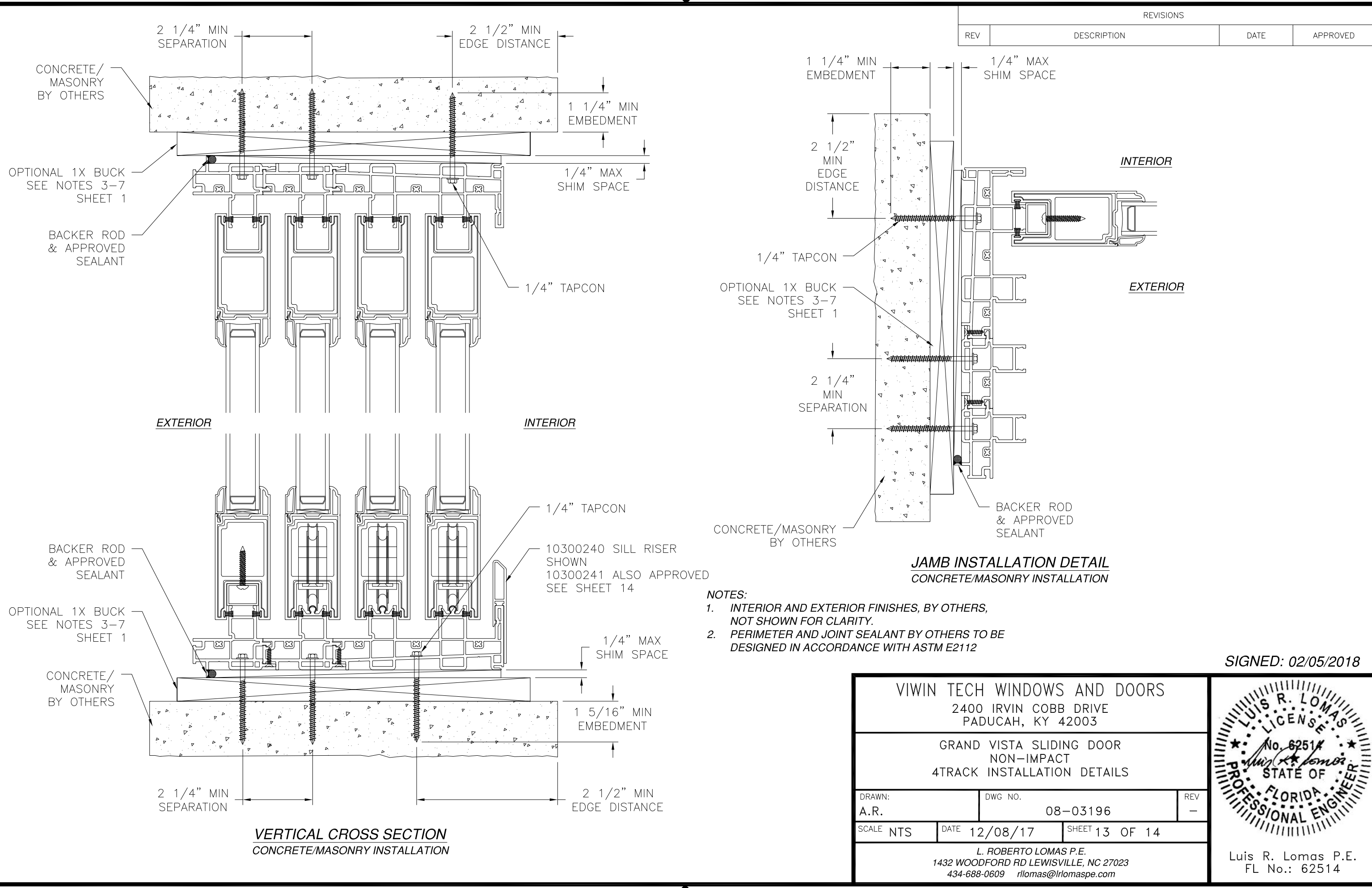
DATE
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SHEET
12 OF 14

L. ROBERTO LOMAS P.E.
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

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VIWIN TECH WINDOWS AND DOORS
2400 IRVIN COBB DRIVE
PADUCAH, KY 42003

GRAND VISTA SLIDING DOOR
NON-IMPACT
4TRACK INSTALLATION DETAILS

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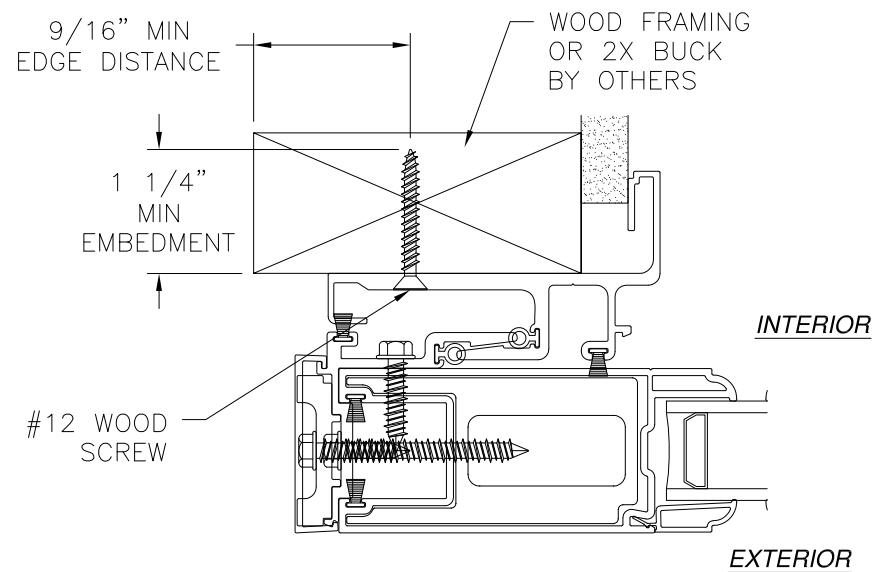
DATE
12/08/17

SHEET
13 OF 14

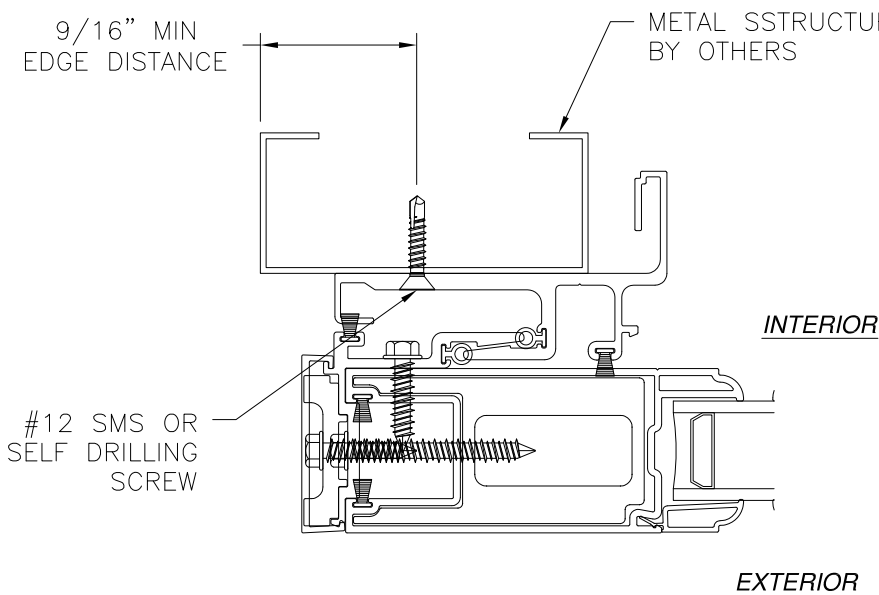
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434-688-0609 rllomas@lrlomaspe.com

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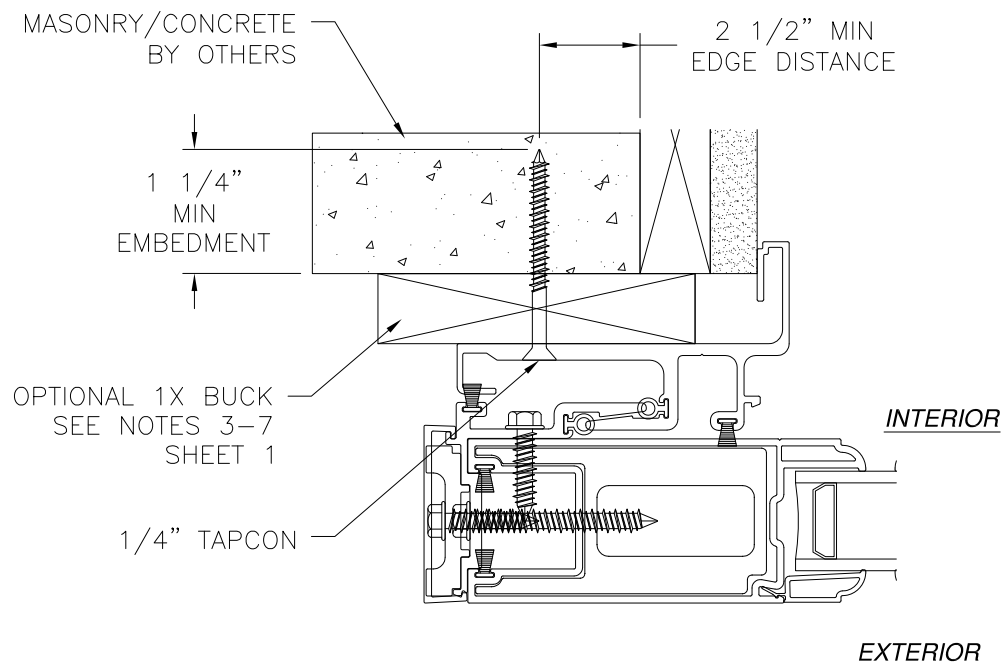
Luis R. Lomas P.E.
FL No.: 62514



P-HOOK CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

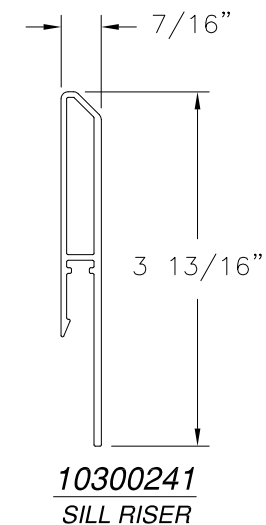
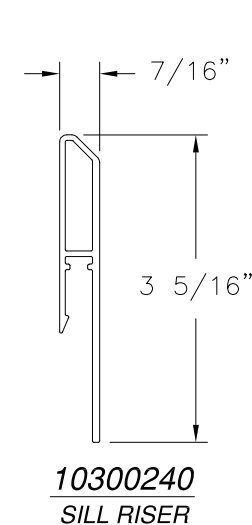


P-HOOK CROSS SECTION
METAL STRUCTURE INSTALLATION



P-HOOK CROSS SECTION
CONCRETE/MASONRY INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



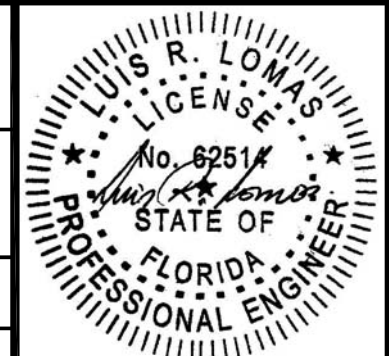
VIWIN TECH WINDOWS AND DOORS
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PADUCAH, KY 42003

GRAND VISTA SLIDING DOOR
NON-IMPACT
P-HOOK INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03196	REV -
SCALE NTS	DATE 12/08/17	SHEET 14 OF 14

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