

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.

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 NEEDED 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 2 AND 3 FOR 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 #6 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FIN INTO METAL STRUCTURE USE #6 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.
15. FOR ANCHORING THROUGH FRAME 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.
16. 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.
17. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #8 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.
18. ALL FASTENERS TO BE CORROSION RESISTANT.
19. 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:
 - 19.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 19.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 19.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 19.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 - 3	ELEVATIONS
4 - 17	INSTALLATION DETAILS
18	COMPONENTS

MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 1620 SH REINFORCED
IMPACT - 52" X 75"
NOTES

DRAWN:
R.L.

DWG NO.
08-03042

REV
C

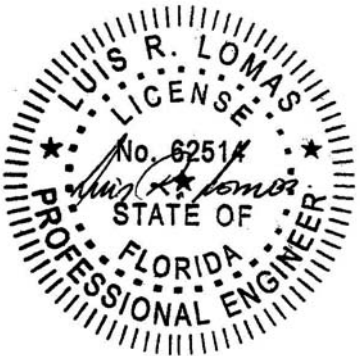
SCALE NTS

DATE 11/30/16

SHEET 1 OF 18

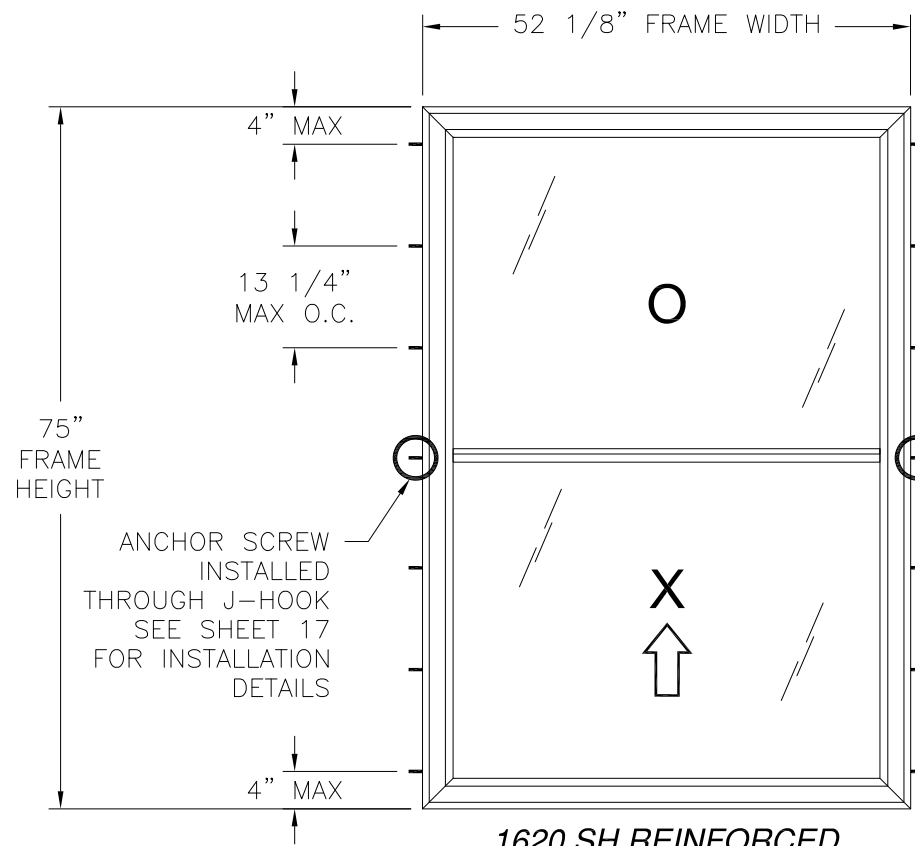
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/31/2023



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

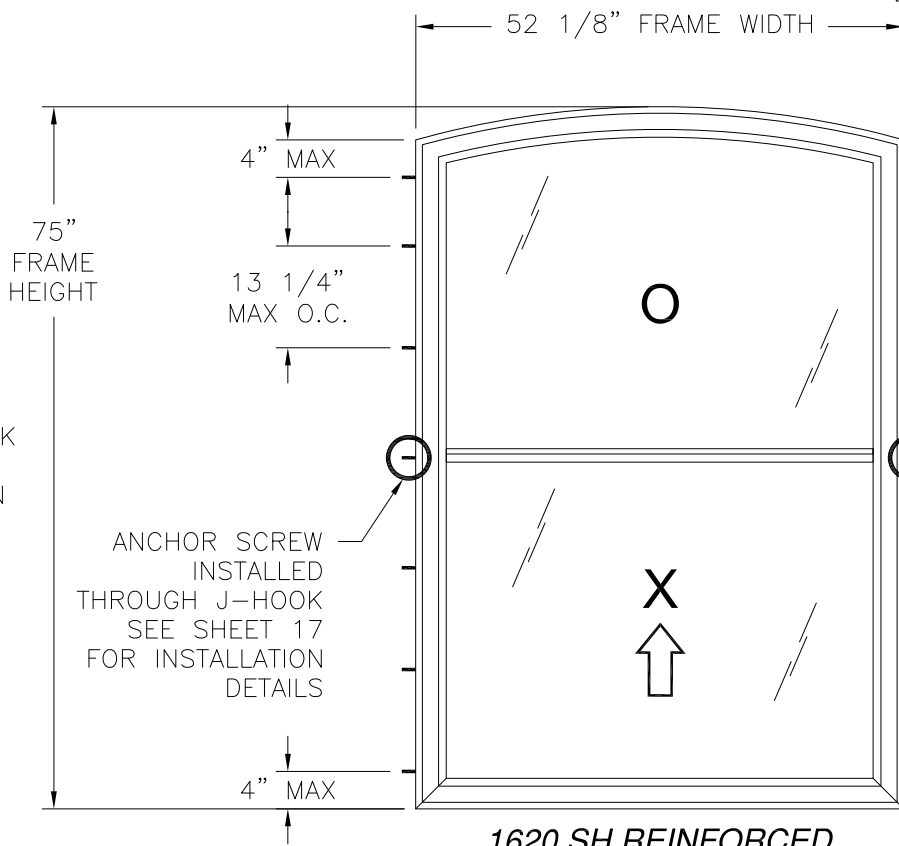
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



**1620 SH REINFORCED
RECTANGULAR**
EXTERIOR VIEW
FINLESS & FLANGE INSTALLATION

ANCHOR SCREW
INSTALLED
THROUGH J-HOOK
SEE SHEET 17
FOR INSTALLATION
DETAILS

FOR NUMBER
OF ANCHORS
REQUIRED
SEE CHART #1



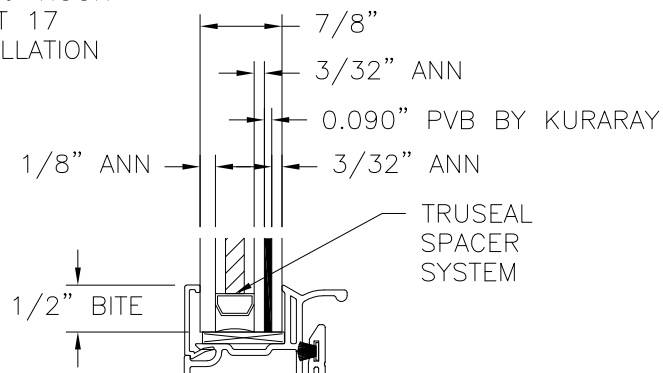
**1620 SH REINFORCED
DESIGNER**
EXTERIOR VIEW
FINLESS & FLANGE INSTALLATION

ANCHOR SCREW
INSTALLED
THROUGH J-HOOK
SEE SHEET 17
FOR INSTALLATION
DETAILS

- NOTES:**
1. SASH SIZE: 49 1/2" X 37 1/4"
2. D.L.O.: 47 1/2" X 33 3/4"

ANCHOR SCREW
INSTALLED
THROUGH J-HOOK
SEE SHEET 17
FOR INSTALLATION
DETAILS

FOR NUMBER
OF ANCHORS
REQUIRED
SEE CHART #1



GLAZING DETAIL

Chart #1

Number of anchor locations required

Frame Height (in)	Frame Width (in)											
	24.00		30.00		36.00		42.00		48.00		52.13	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
24.00	3	3	3	3	4	3	4	3	5	3	5	3
30.00	3	3	3	3	4	3	4	3	5	3	5	3
36.00	3	4	3	4	4	4	4	4	5	4	5	4
42.00	3	4	3	4	4	4	4	4	5	4	5	4
48.00	3	5	3	5	4	5	4	5	5	5	5	5
54.00	3	5	3	5	4	5	4	5	5	5	5	5
60.00	3	5	3	5	4	5	4	5	5	5	5	5
66.00	3	6	3	6	4	6	4	6	5	6	5	6
72.00	3	6	3	6	4	6	4	6	5	6	5	6
75.00	3	7	3	7	4	7	4	7	5	7	5	7
78.00	3	7	3	7	4	7	4	7	5	7	-	-
84.00	3	7	3	7	4	7	4	7	-	-	-	-

HARDWARE SCHEDULE

A.	(2) RECESSED METAL CAM LOCK AT 6 7/8" FROM STILES ON INTERIOR MEETING RAIL OF SASH
B.	(2) METAL PIVOT BAR AT CORNERS OF STILES AND BOTTOM RAIL
C.	(2 PER SASH) SURFACE MOUNT METAL TILT LATCH AT CORNERS OF STILES AND INTERIOR MEETING RAIL
D.	(2 PER SASH) METAL COIL BALANCES WITHIN SASH TRACK OF JAMB
E.	ALUMINUM REINFORCEMENT (AE-000162) AT FIXED MEETING RAIL
F.	ALUMINUM REINFORCEMENT (M-2115) AT LOCK RAIL MEETING RAIL
G.	ALUMINUM REINFORCEMENT (M-2266) AT STILES

REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3
FOR ADDITIONAL SIZES SEE CHART #1
52 1/8" X 75" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 27.14" FT²

MI WINDOWS & DOORS, LLC.

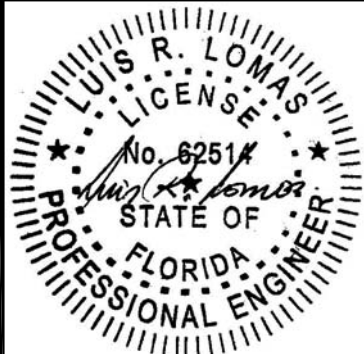
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 1620 SH REINFORCED
IMPACT - 52" X 75"
FINLESS & FLANGE ELEVATIONS

DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 2 OF 18

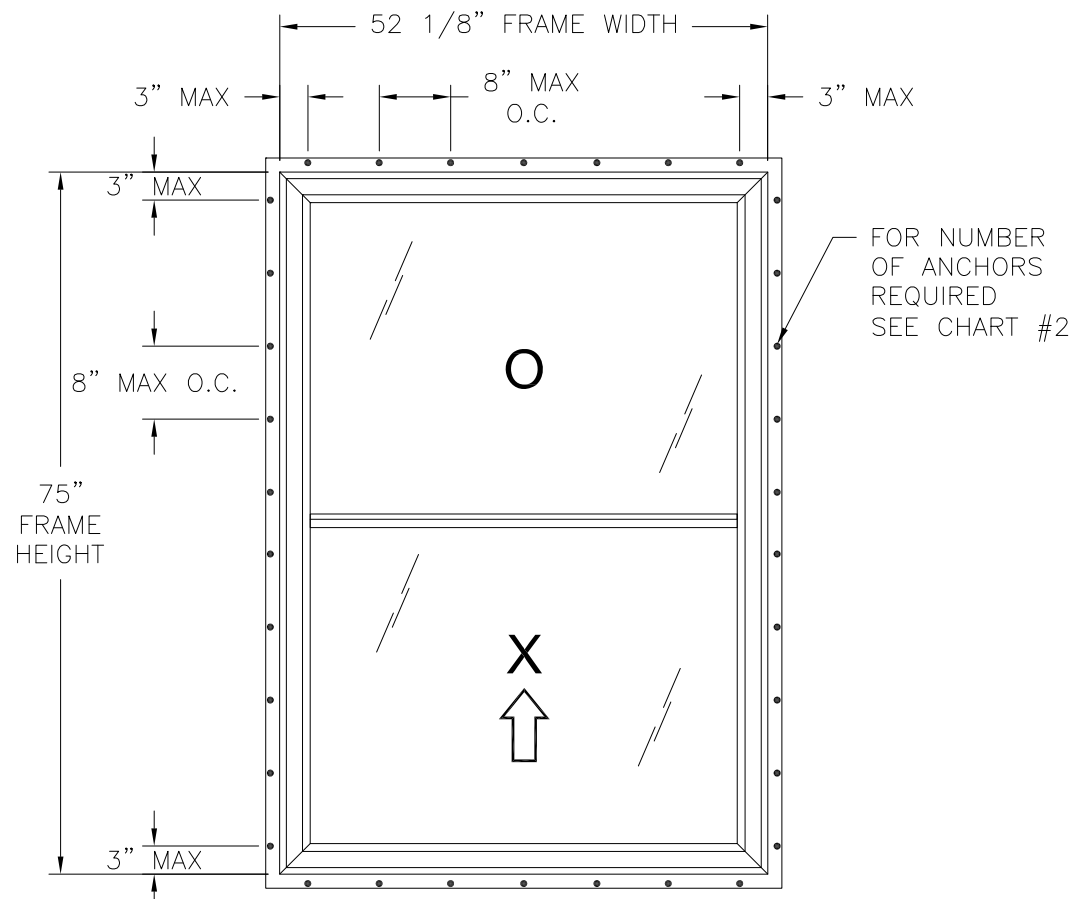
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/31/2023

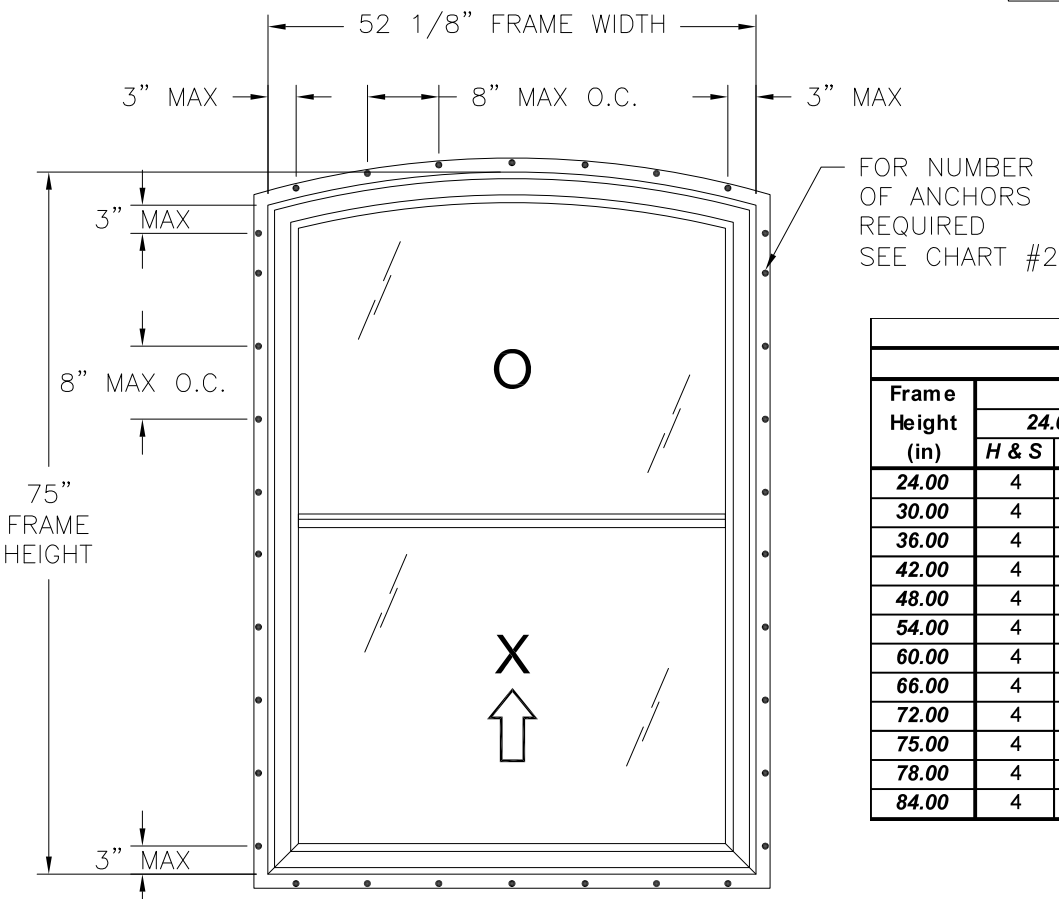


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



1620 SH REINFORCED
RECTANGULAR
EXTERIOR VIEW
FIN INSTALLATION

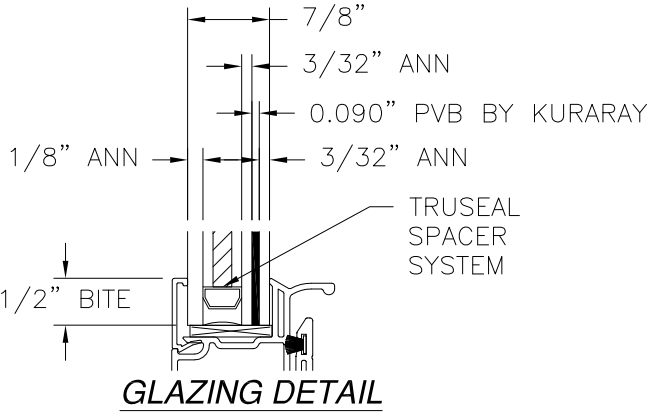


1620 SH REINFORCED
DESIGNER
EXTERIOR VIEW
FIN INSTALLATION

REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3
FOR ADDITIONAL SIZES SEE CHART #2
52 1/8" X 75" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 27.14" FT²

Chart #2												
Number of anchor locations required												
Frame Height (in)	Frame Width (in)											
	24.00		30.00		36.00		42.00		48.00		52.13	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
24.00	4	4	4	4	5	4	6	4	7	4	7	4
30.00	4	4	4	4	5	4	6	4	7	4	7	4
36.00	4	5	4	5	5	5	6	5	7	5	7	5
42.00	4	6	4	6	5	6	6	6	7	6	7	6
48.00	4	7	4	7	5	7	6	7	7	7	7	7
54.00	4	7	4	7	5	7	6	7	7	7	7	7
60.00	4	8	4	8	5	8	6	8	7	8	7	8
66.00	4	9	4	9	5	9	6	9	7	9	7	9
72.00	4	10	4	10	5	10	6	10	7	10	7	10
75.00	4	10	4	10	5	10	6	10	7	10	7	10
78.00	4	10	4	10	5	10	6	10	7	10	-	-
84.00	4	11	4	11	5	11	6	11	-	-	-	-



- NOTES:
- SASH SIZE: 49 1/2" X 37 1/4"
 - D.L.O.: 47 1/2" X 33 3/4"

HARDWARE SCHEDULE	
A.	(2) RECESSED METAL CAM LOCK AT 6 7/8" FROM STILES ON INTERIOR MEETING RAIL OF SASH
B.	(2) METAL PIVOT BAR AT CORNERS OF STILES AND BOTTOM RAIL
C.	(2 PER SASH) SURFACE MOUNT METAL TILT LATCH AT CORNERS OF STILES AND INTERIOR MEETING RAIL
D.	(2 PER SASH) METAL COIL BALANCES WITHIN SASH TRACK OF JAMB
E.	ALUMINUM REINFORCEMENT (AE-000162) AT FIXED MEETING RAIL
F.	ALUMINUM REINFORCEMENT (M-2115) AT LOCK RAIL MEETING RAIL
G.	ALUMINUM REINFORCEMENT (M-2266) AT STILES

MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030-0370

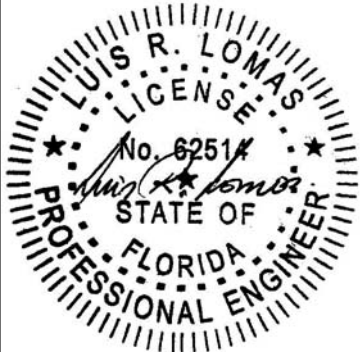
SERIES 1620 SH REINFORCED
IMPACT - 52" X 75"
FIN ELEVATIONS

DRAWN: R.L. DWG NO. 08-03042 REV C

SCALE NTS DATE 11/30/16 SHEET 3 OF 18

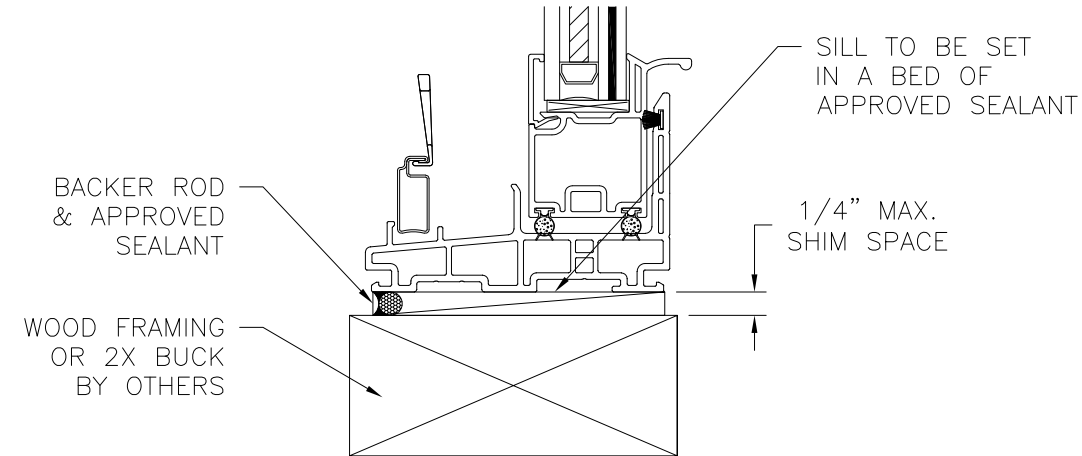
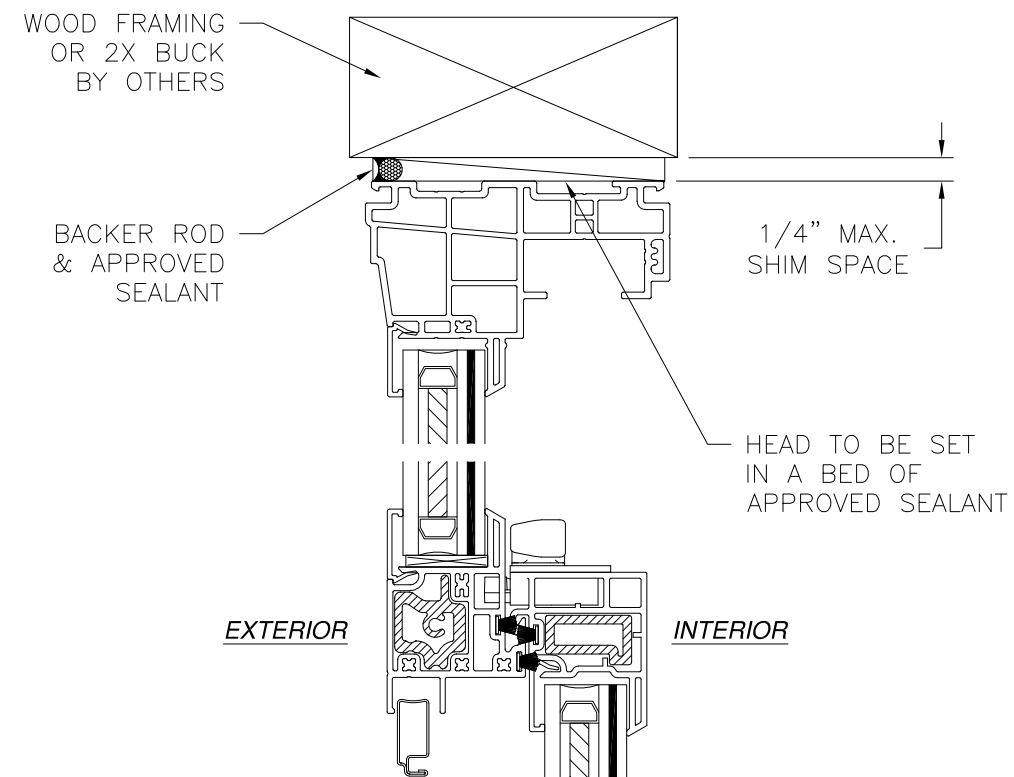
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/31/2023



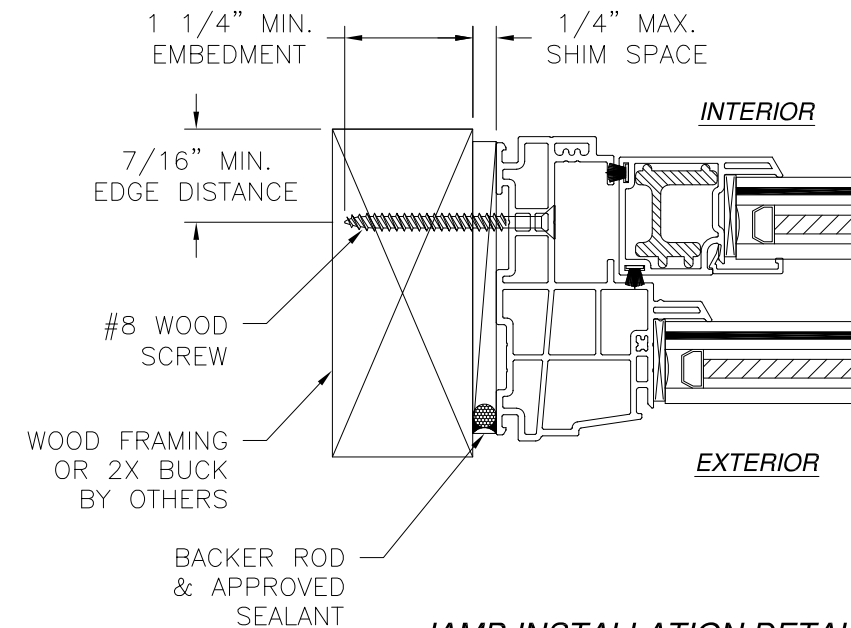
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

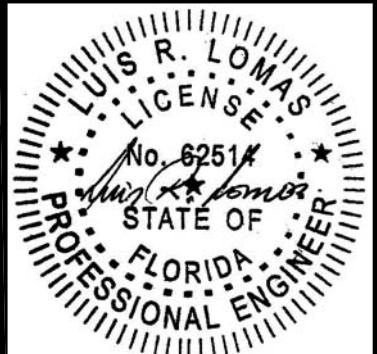
- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

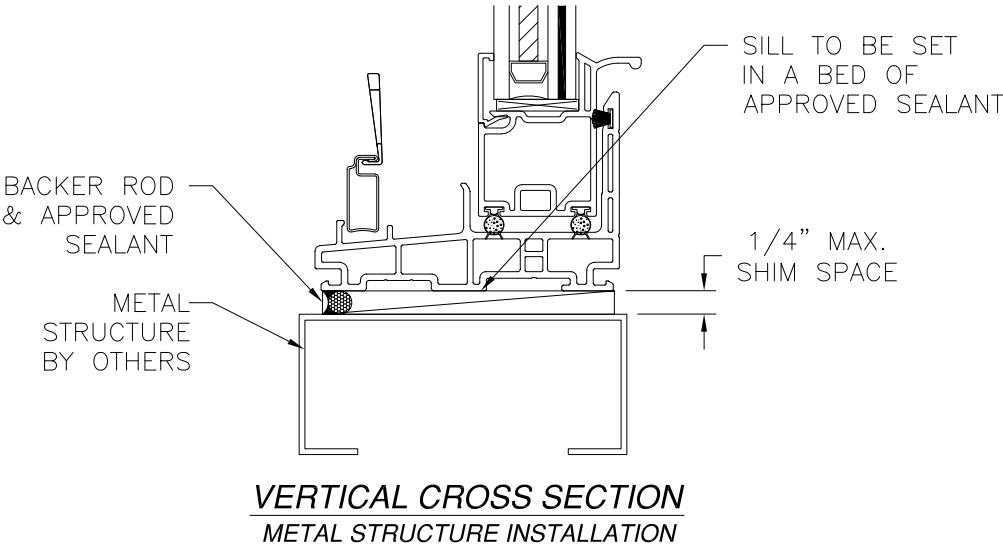
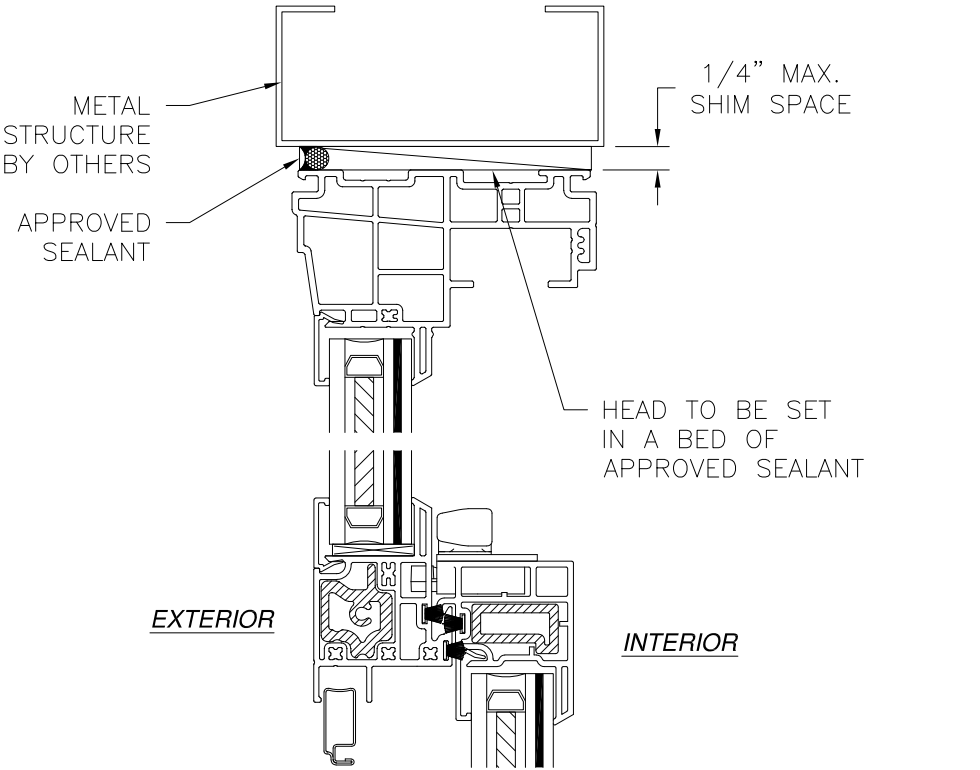
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 1620 SH REINFORCED IMPACT - 52" X 75" FINLESS INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 4 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/31/2023

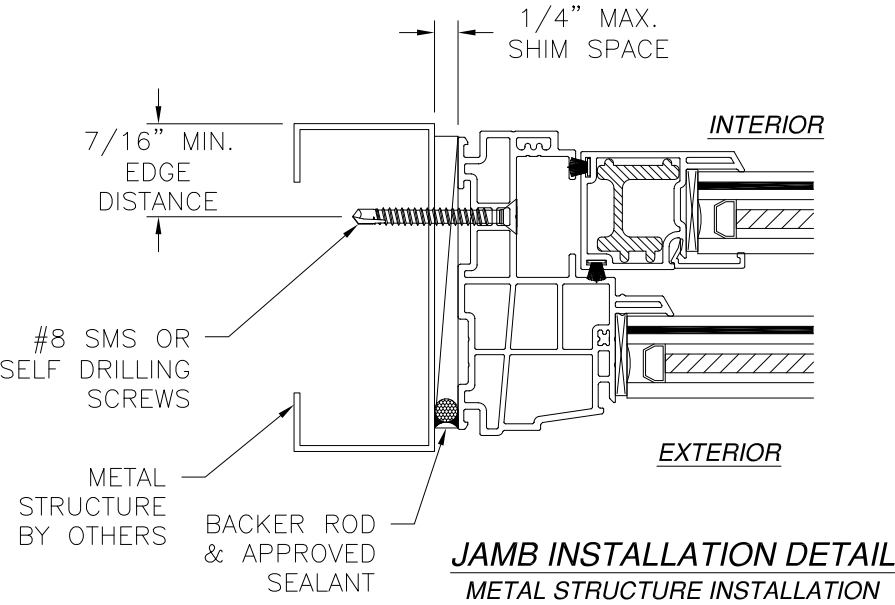


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



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



MI WINDOWS & DOORS, LLC.

650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 1620 SH REINFORCED
IMPACT – 52" X 75"

FINLESS INSTALLATION DETAILS

DRAWN: R.L.

DWG NO. 08-03042

REV C

SCALE NTS

DATE 11/30/16

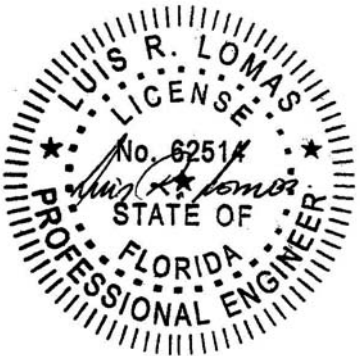
SHEET 5 OF 18

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

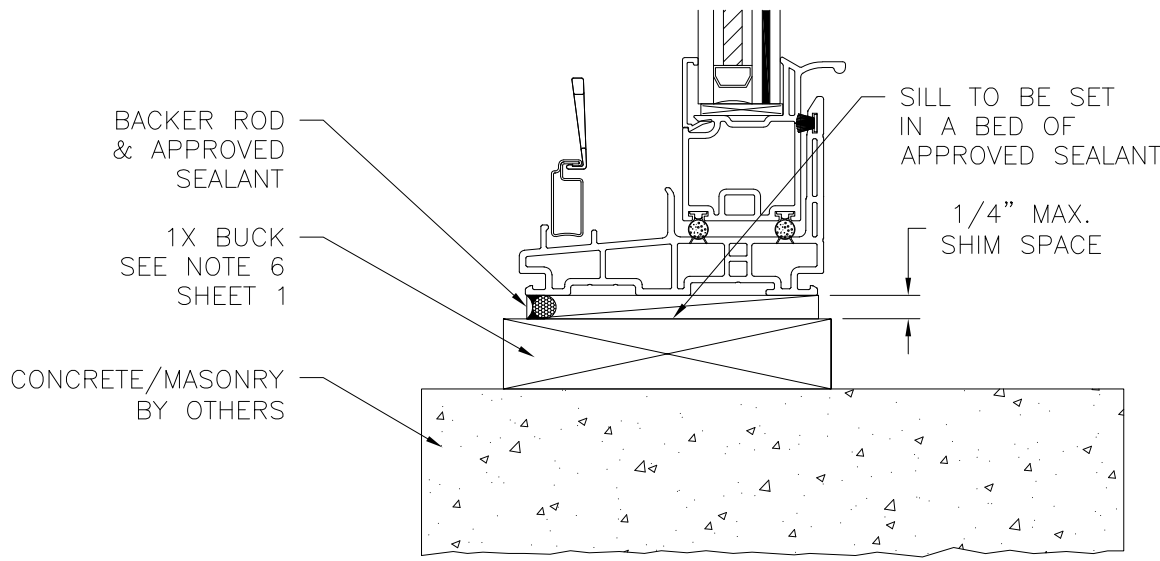
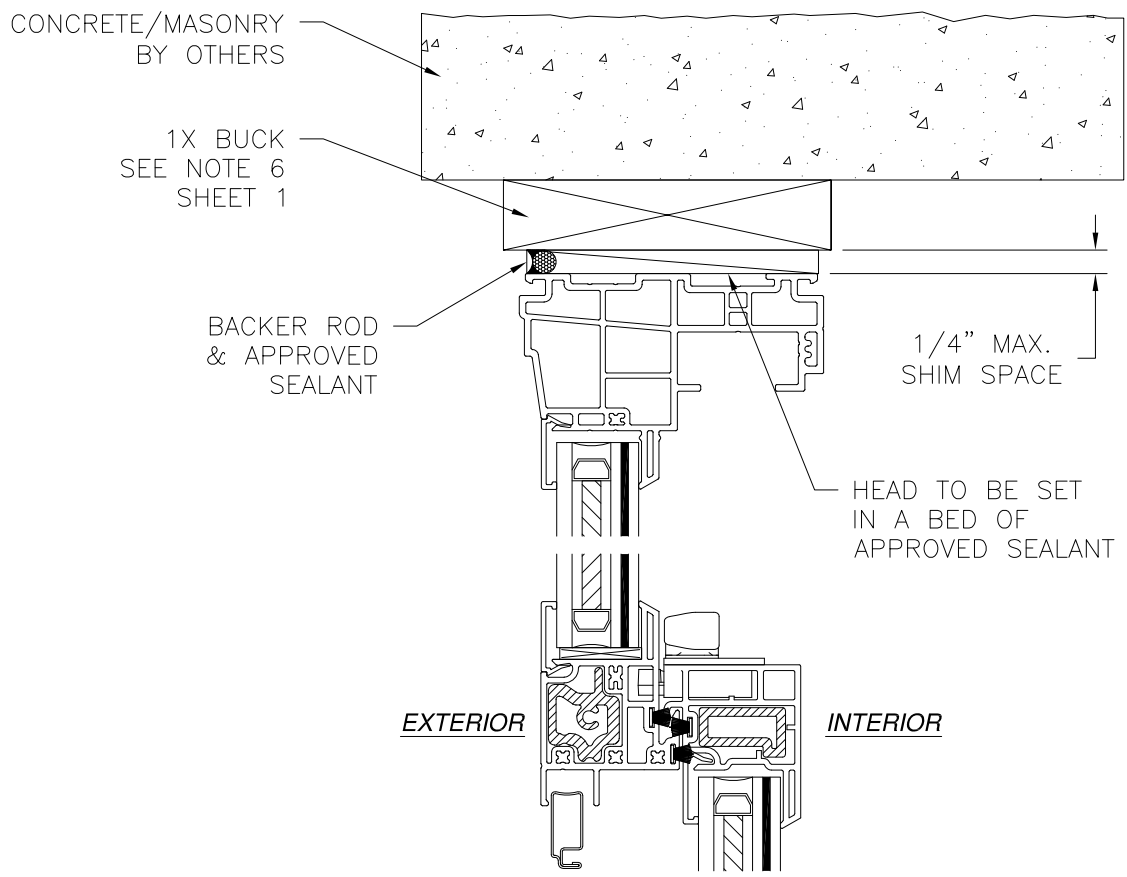
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/31/2023



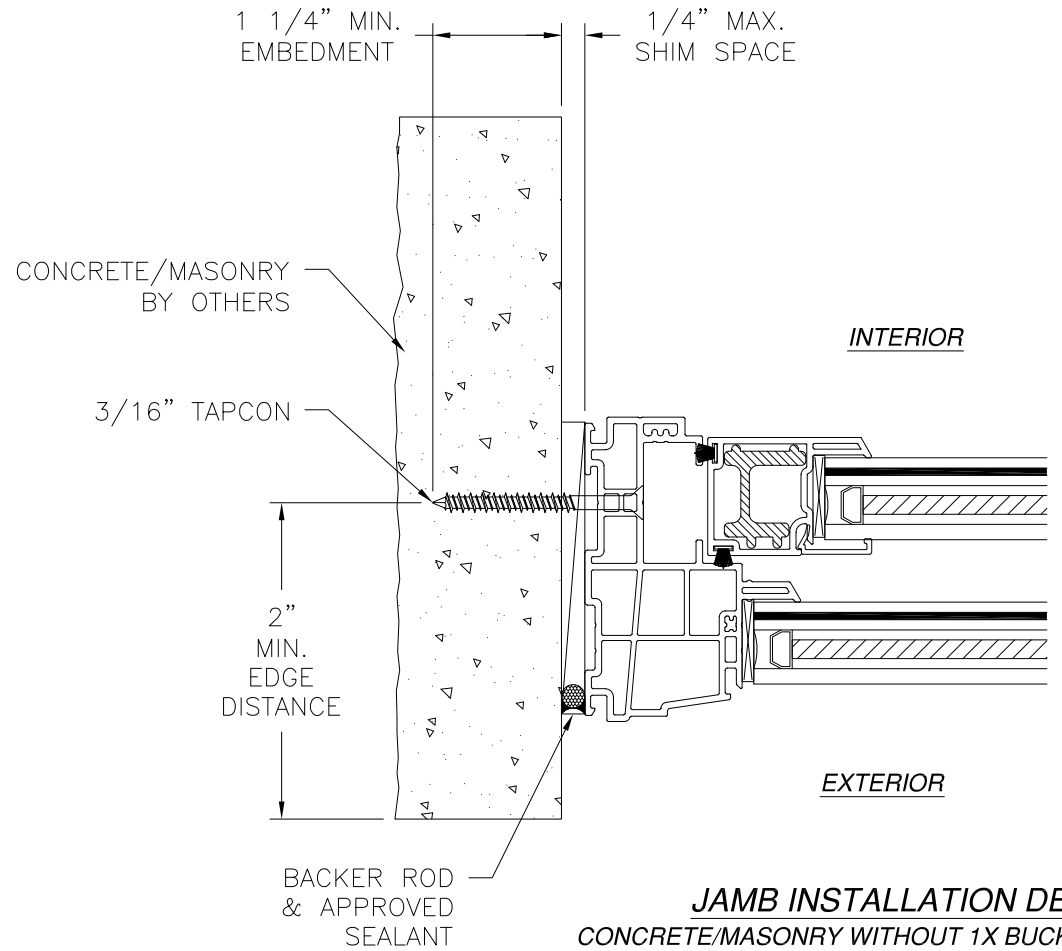
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY 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



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

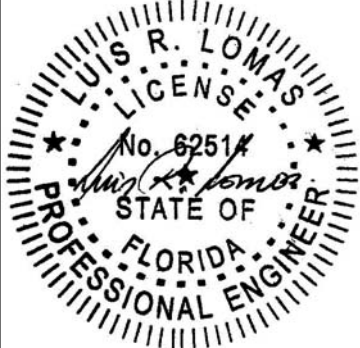
MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 1620 SH REINFORCED
IMPACT - 52" X 75"
FINLESS INSTALLATION DETAILS

DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 6 OF 18

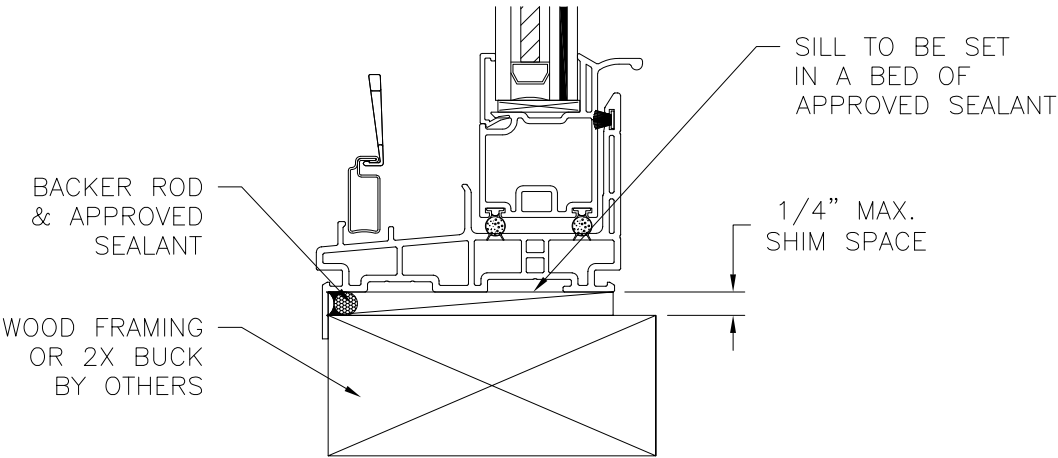
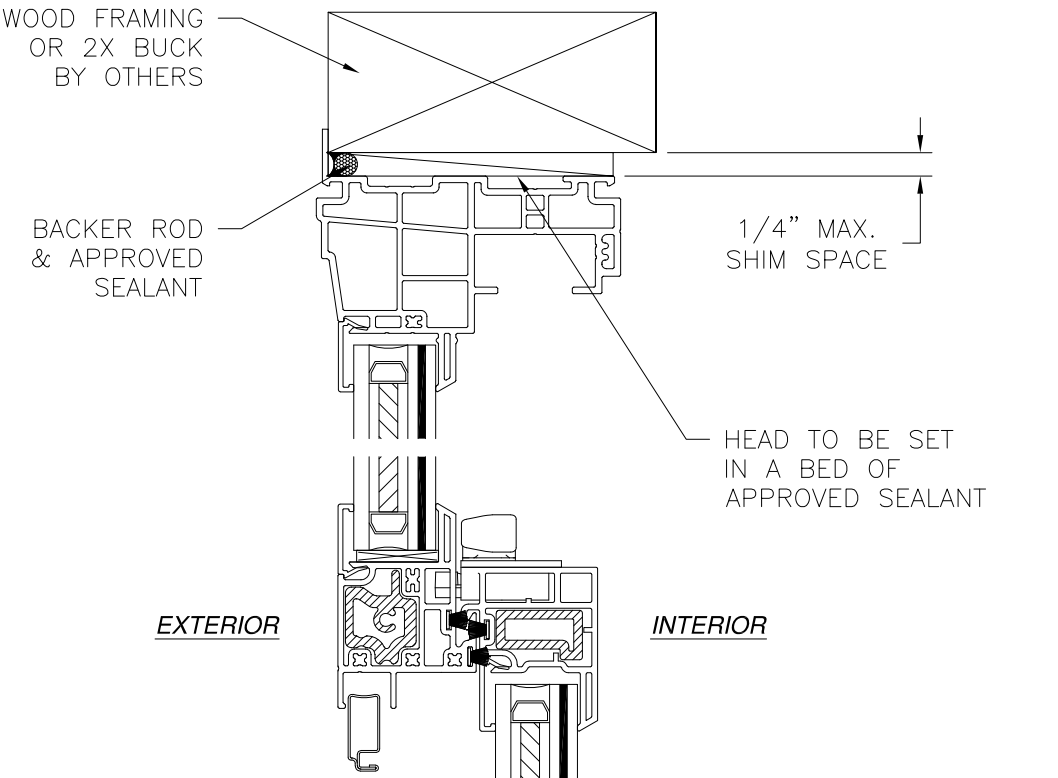
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/31/2023



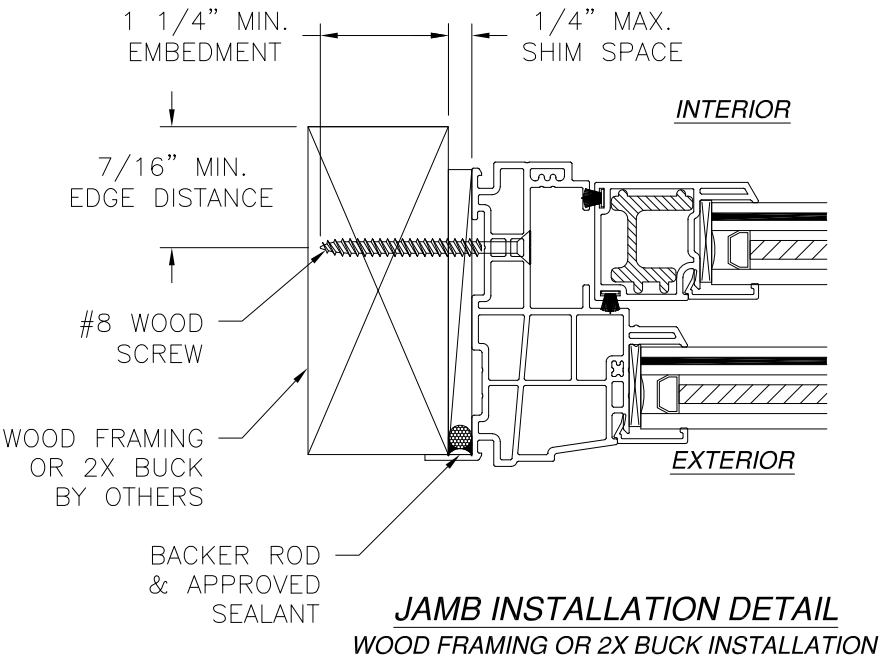
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK 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

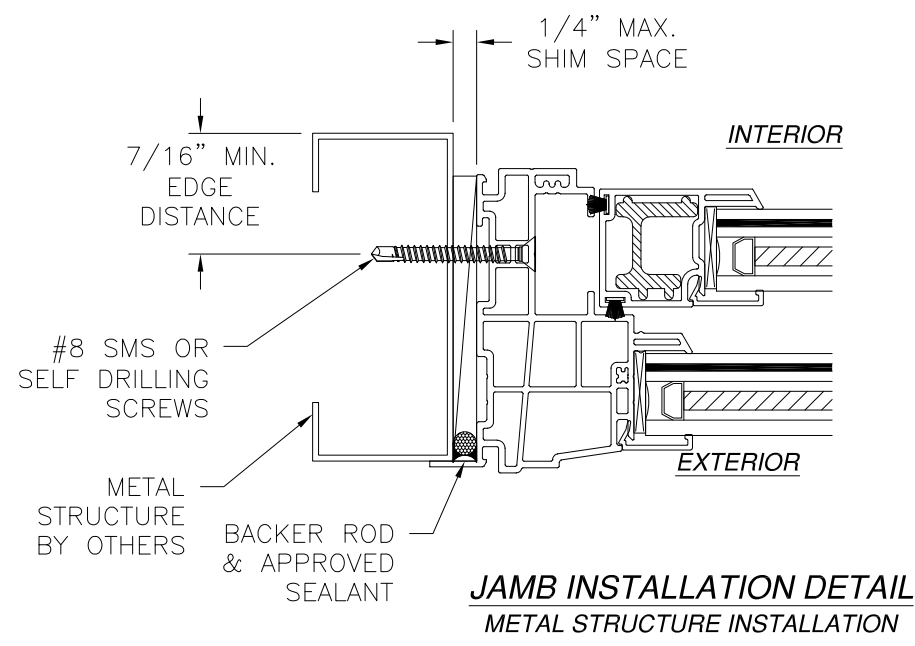
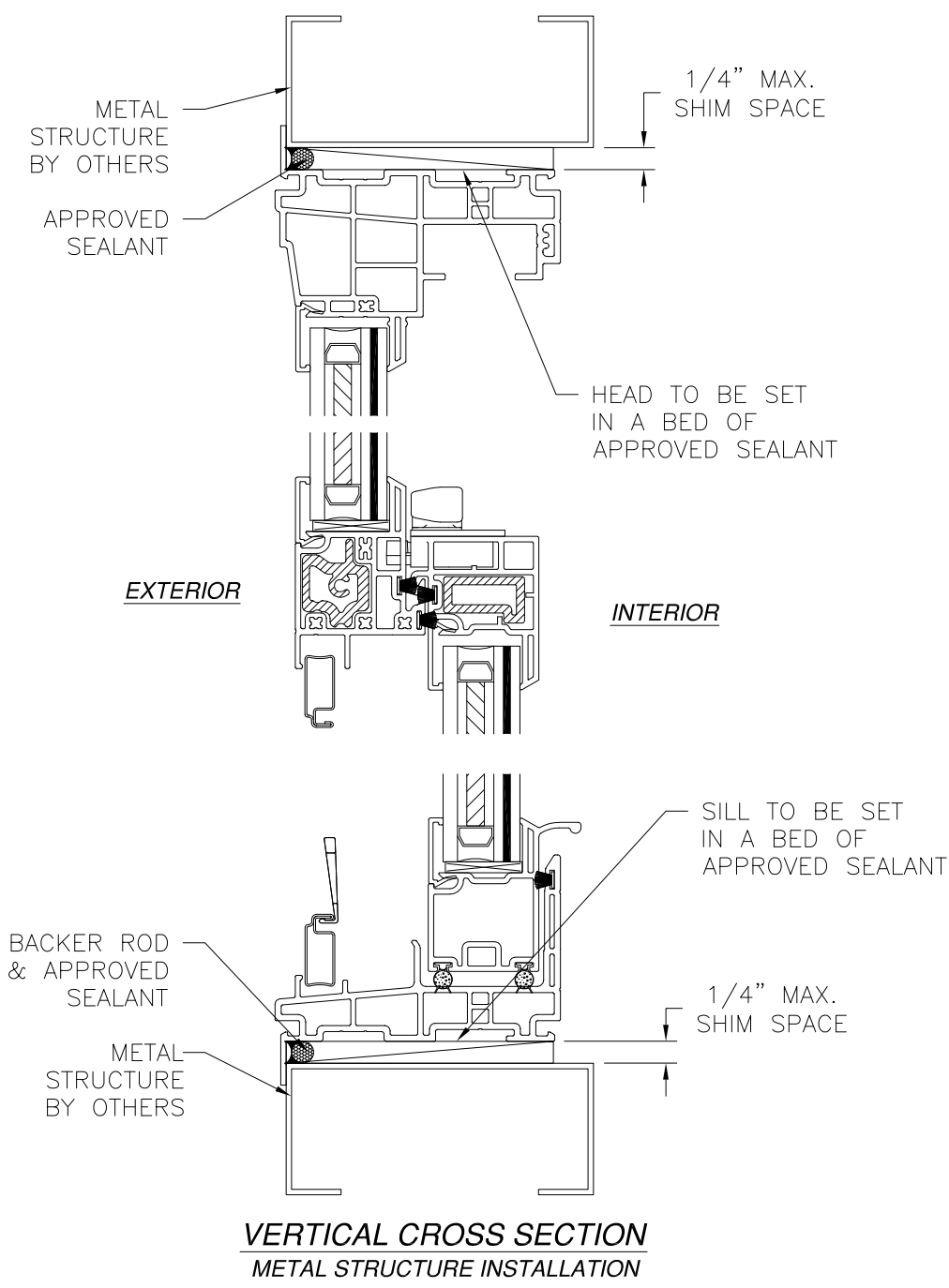


MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 1620 SH REINFORCED IMPACT - 52" X 75" FLANGE INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 7 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/31/2023

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



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

MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 1620 SH REINFORCED
IMPACT - 52" X 75"
FLANGE INSTALLATION DETAILS

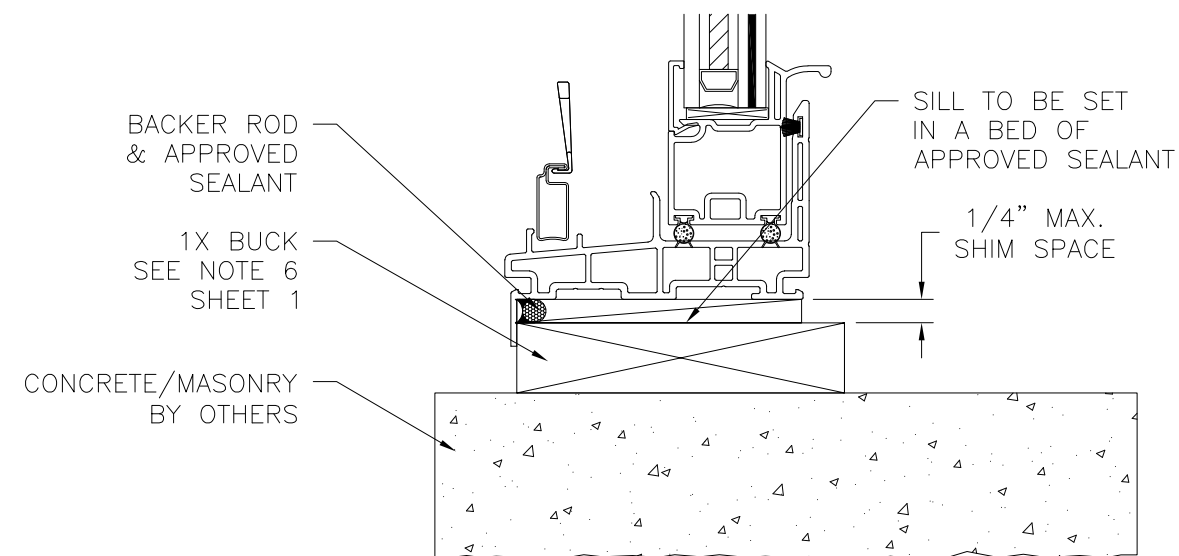
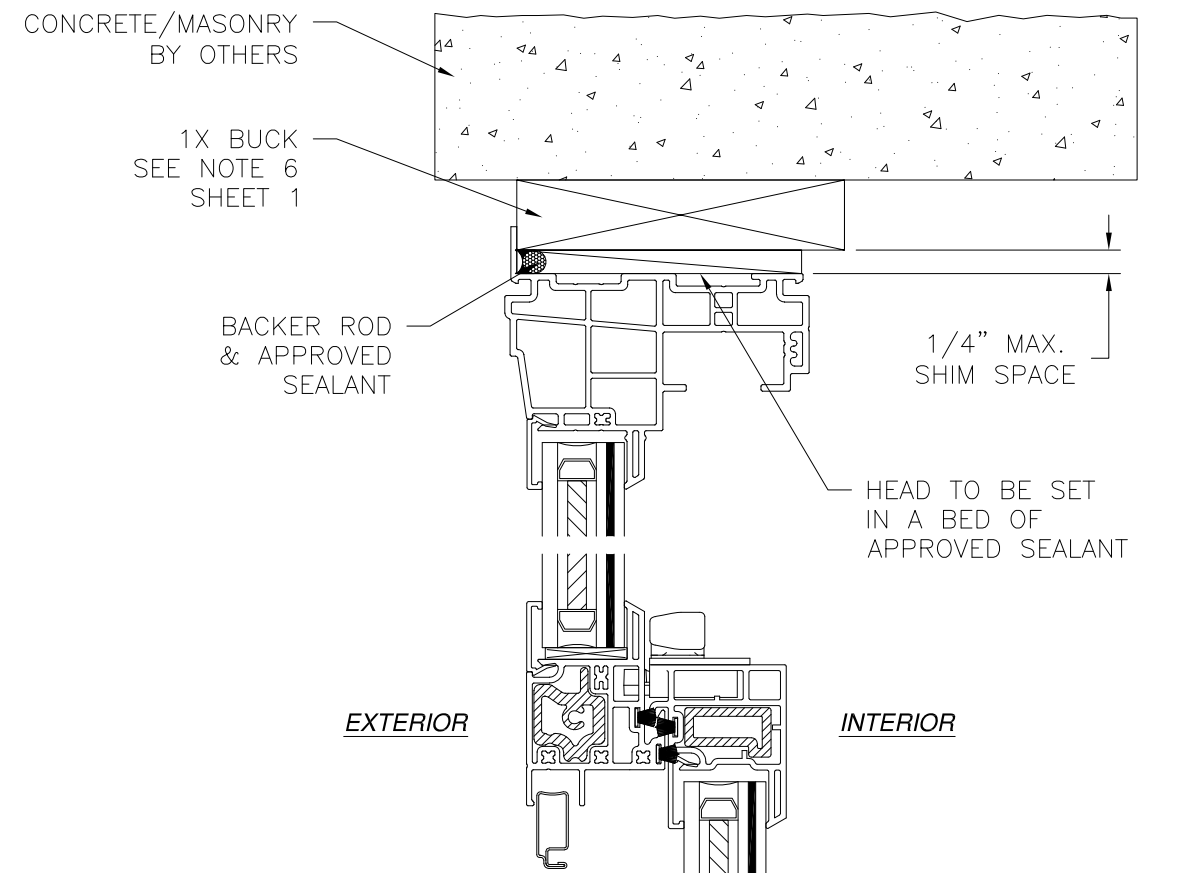
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 8 OF 18

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

SIGNED: 10/31/2023

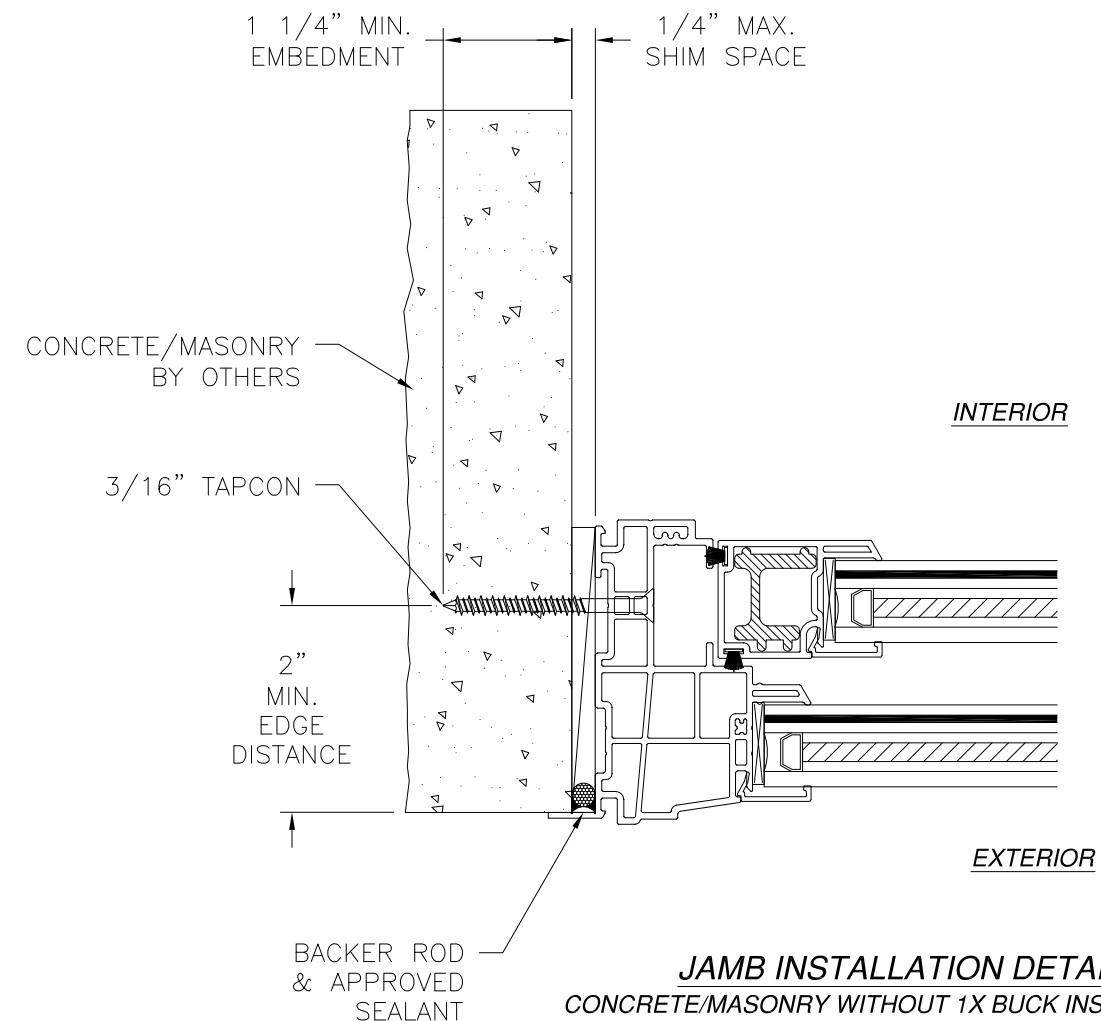
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



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

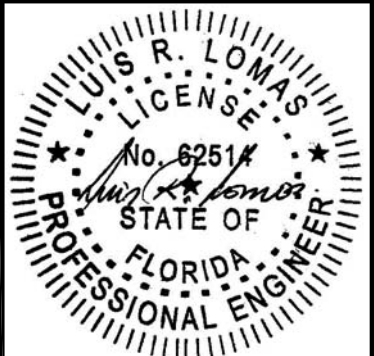
- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

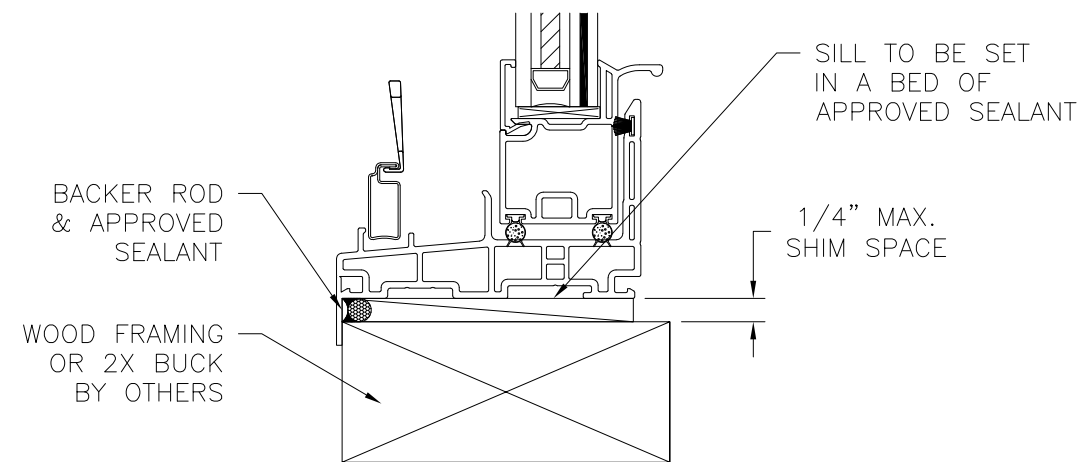
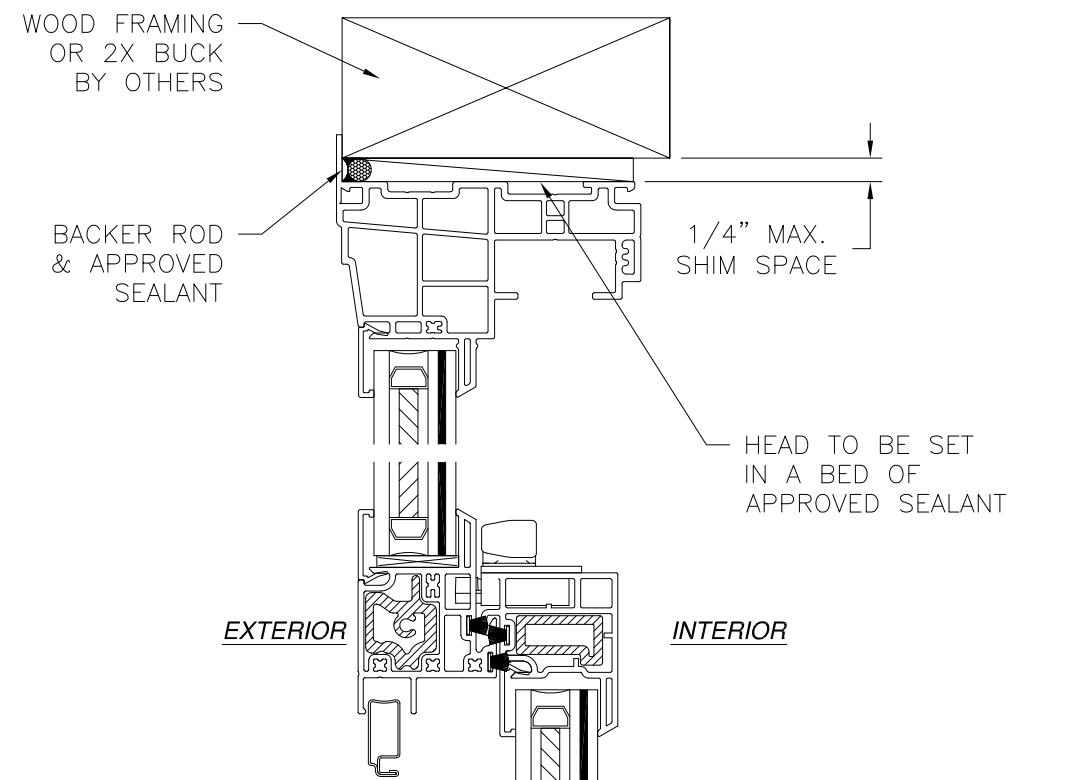
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 1620 SH REINFORCED IMPACT - 52" X 75" FLANGE INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 9 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/31/2023



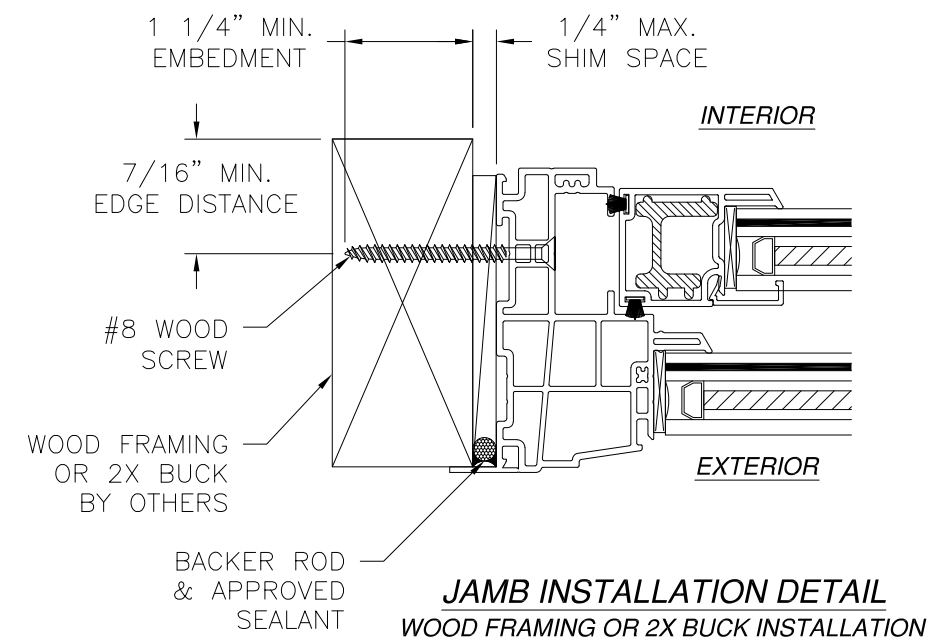
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

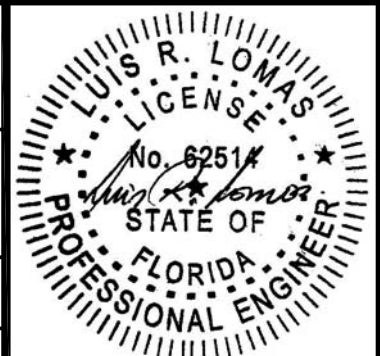
- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

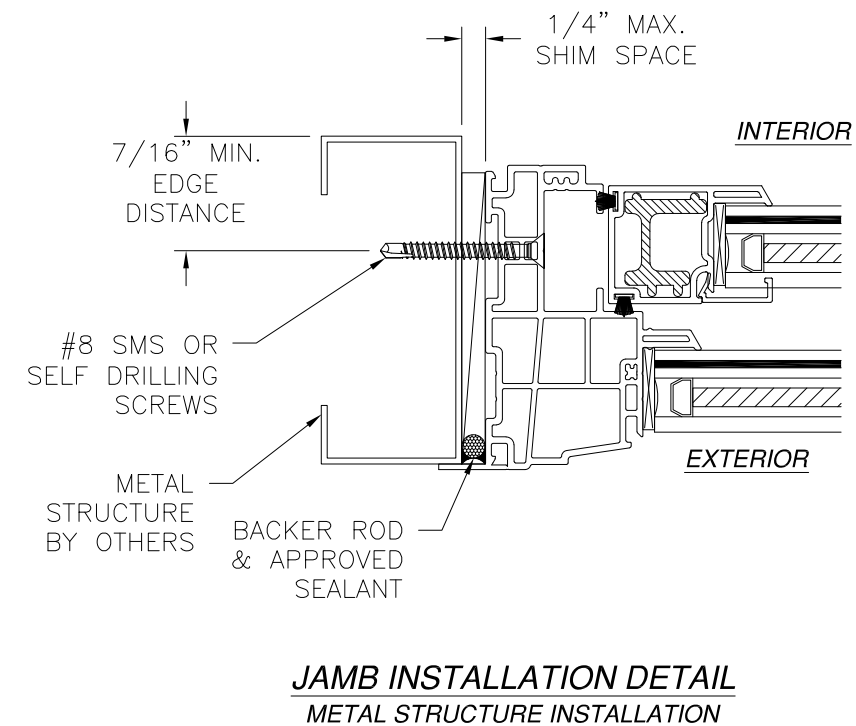
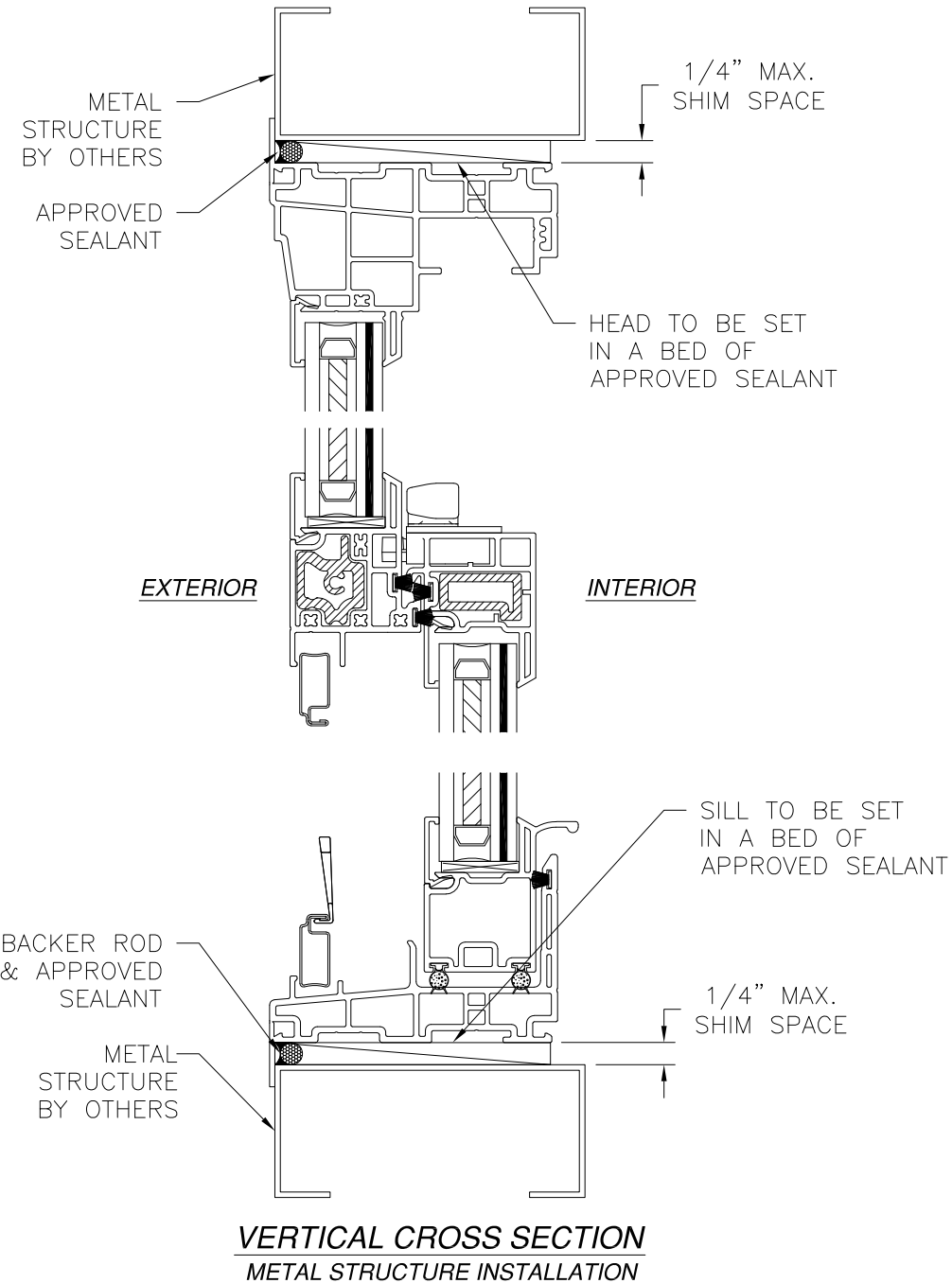
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 1620 SH REINFORCED IMPACT - 52" X 75" FLANGE INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 10 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/31/2023



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

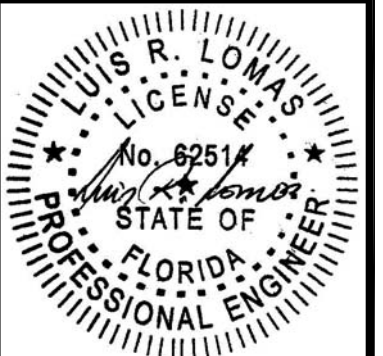
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



- 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

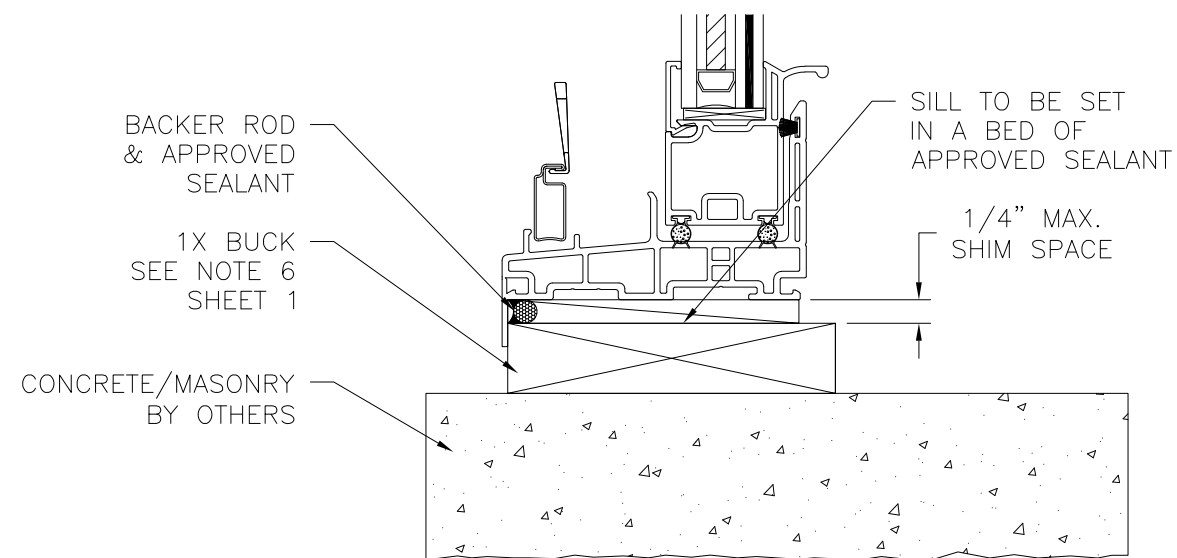
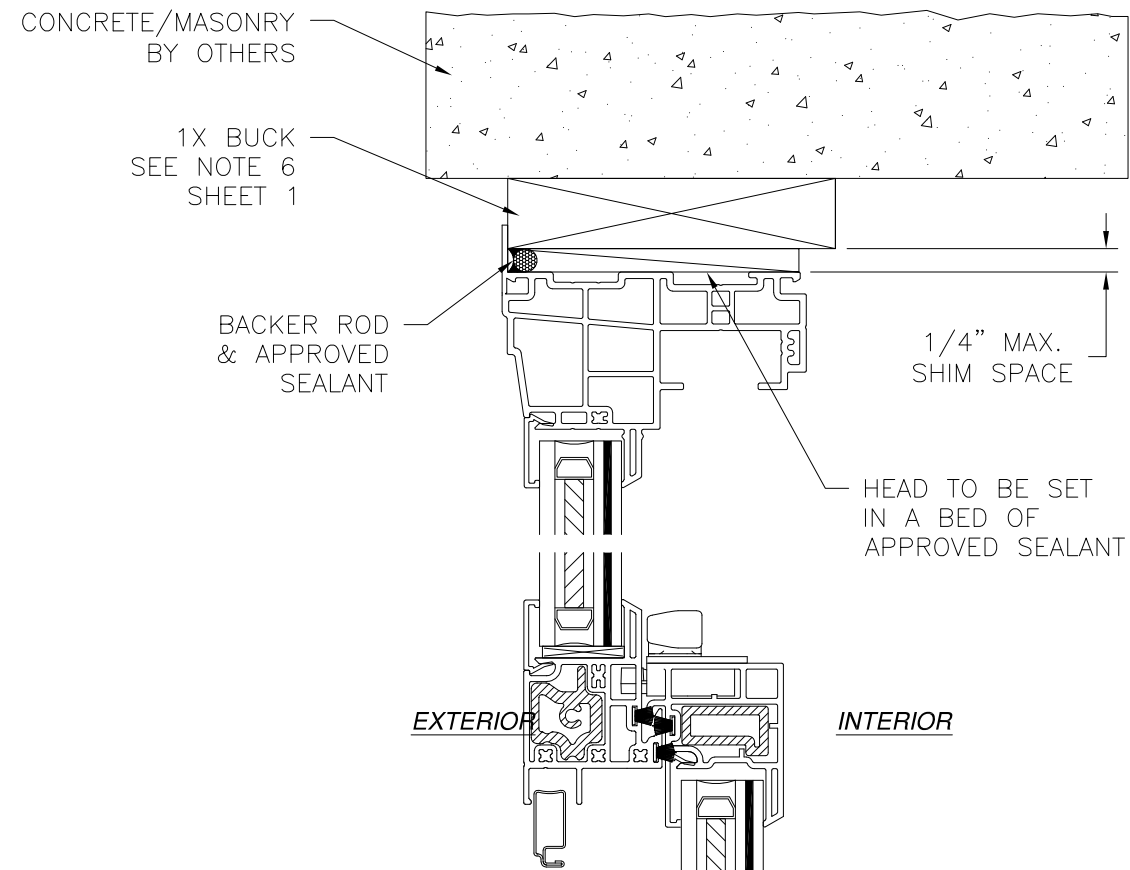
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 1620 SH REINFORCED IMPACT - 52" X 75" FLANGE INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 11 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/31/2023



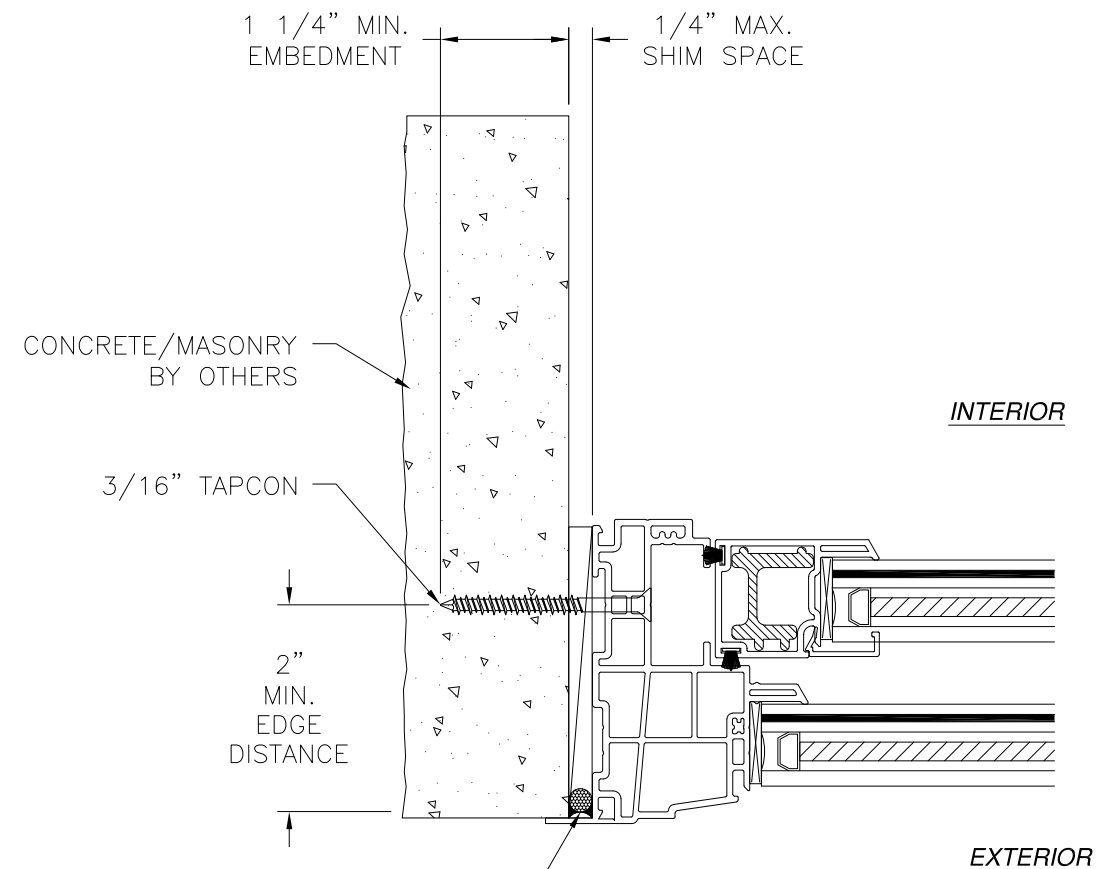
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

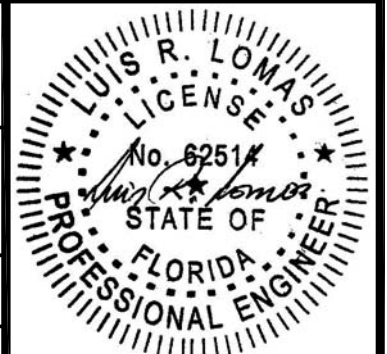
- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



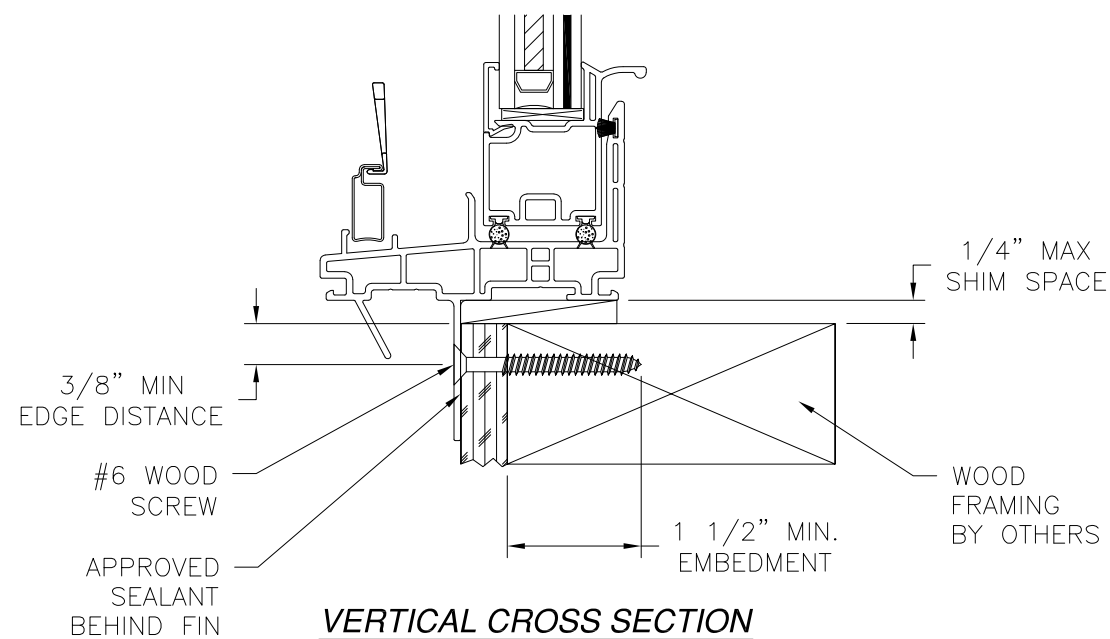
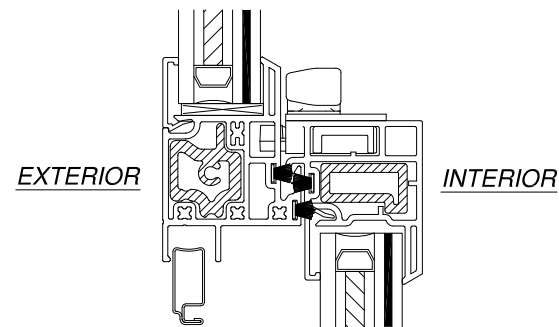
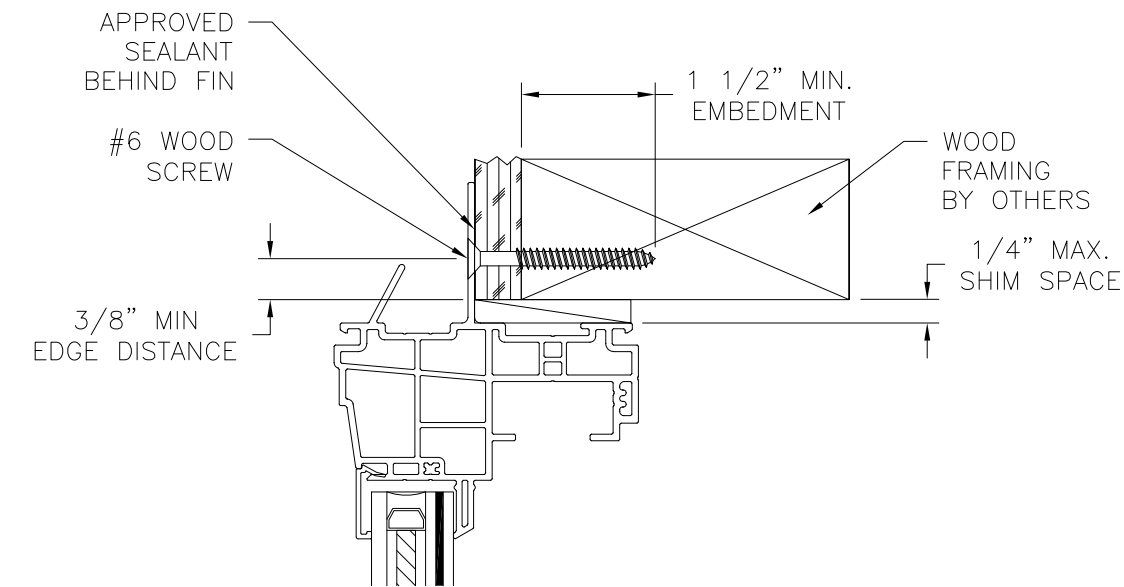
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 1620 SH REINFORCED IMPACT - 52" X 75" FLANGE INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 12 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/31/2023



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

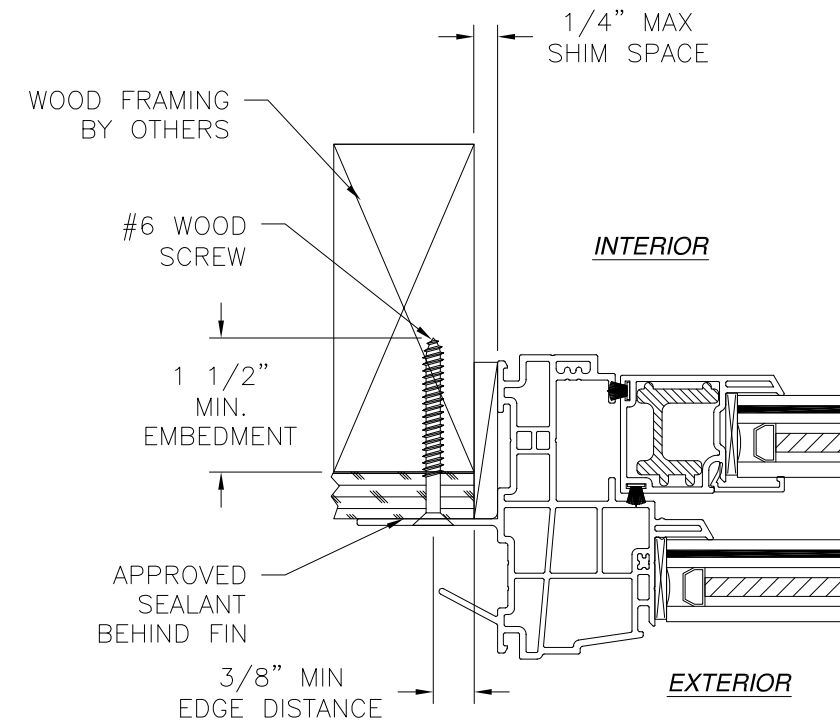


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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

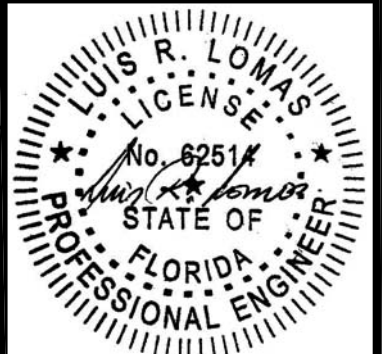
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



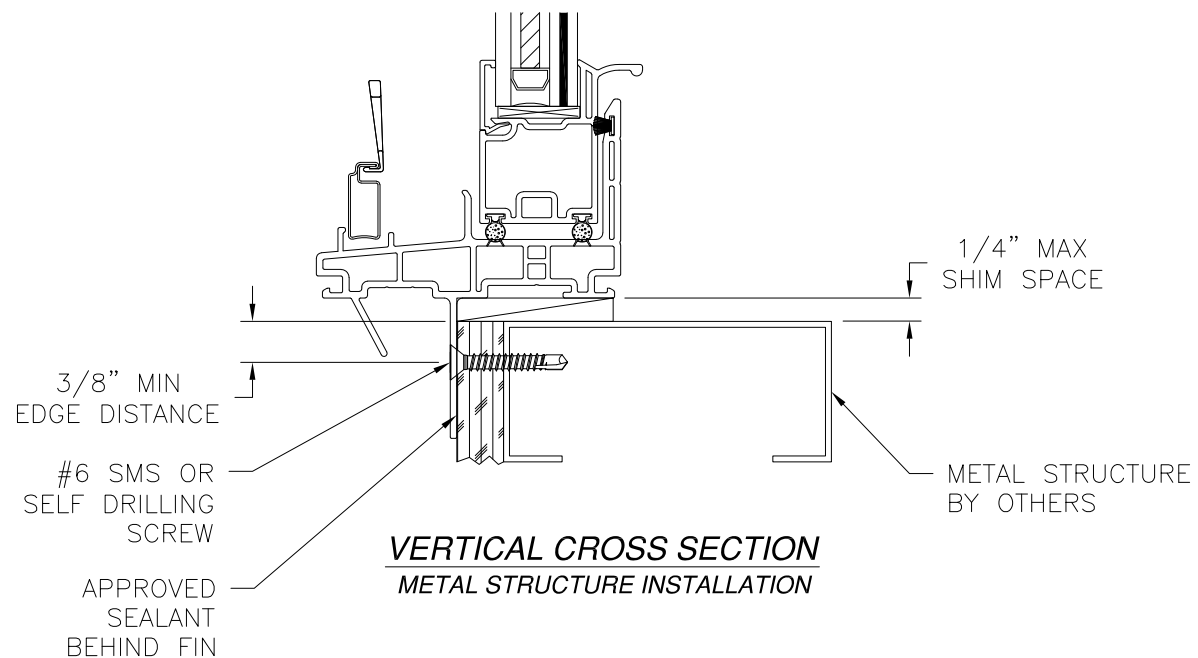
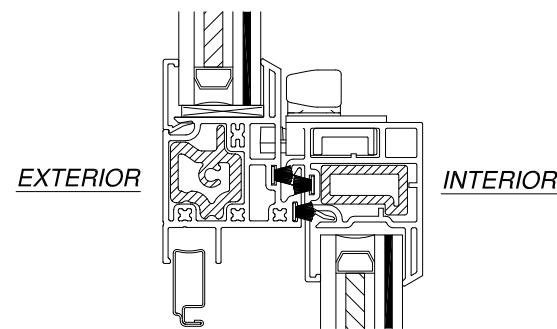
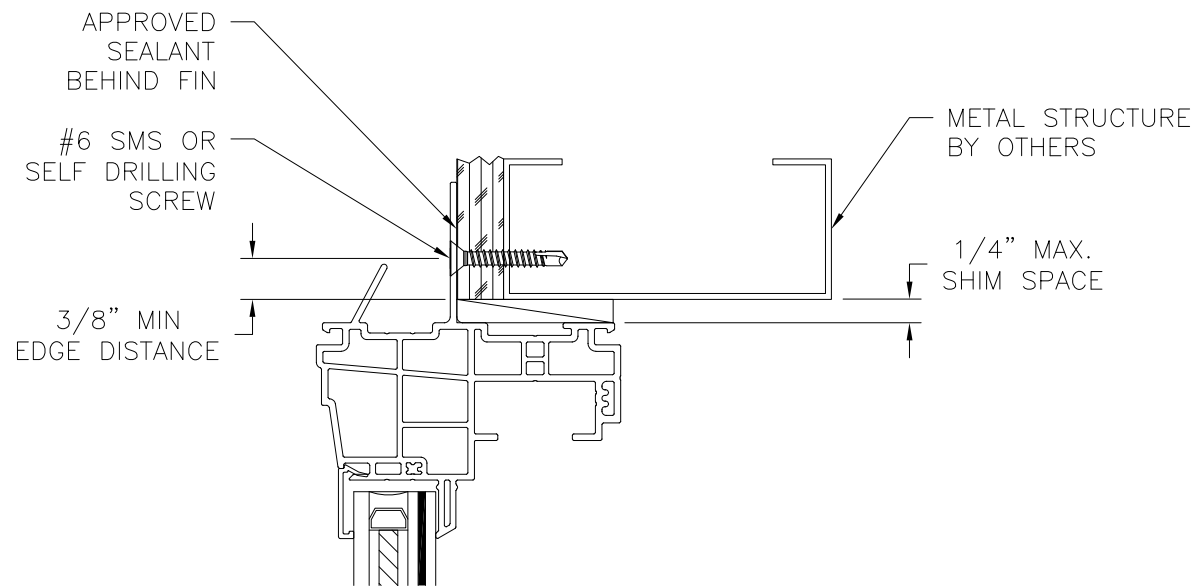
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 1620 SH REINFORCED IMPACT - 52" X 75" FIN WITH J CHANNEL INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 13 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/31/2023

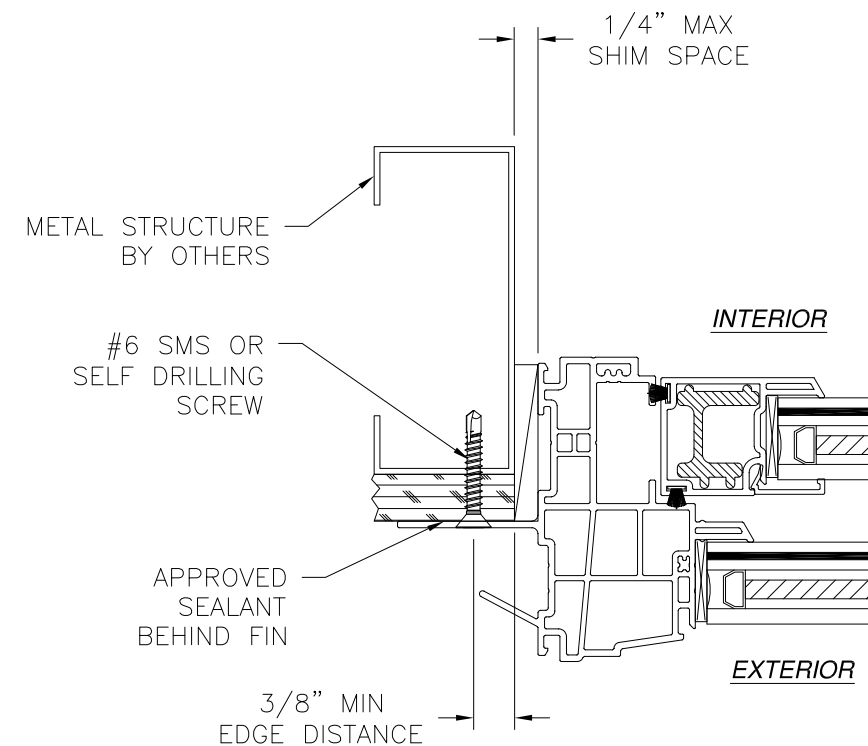


Luis R. Lomas P.E.
FL No.: 62514



- 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

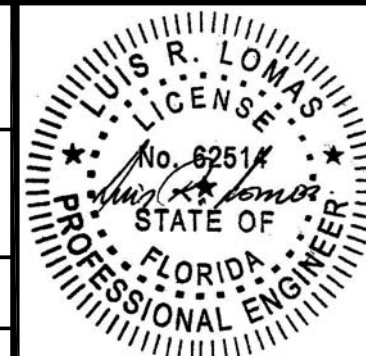
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

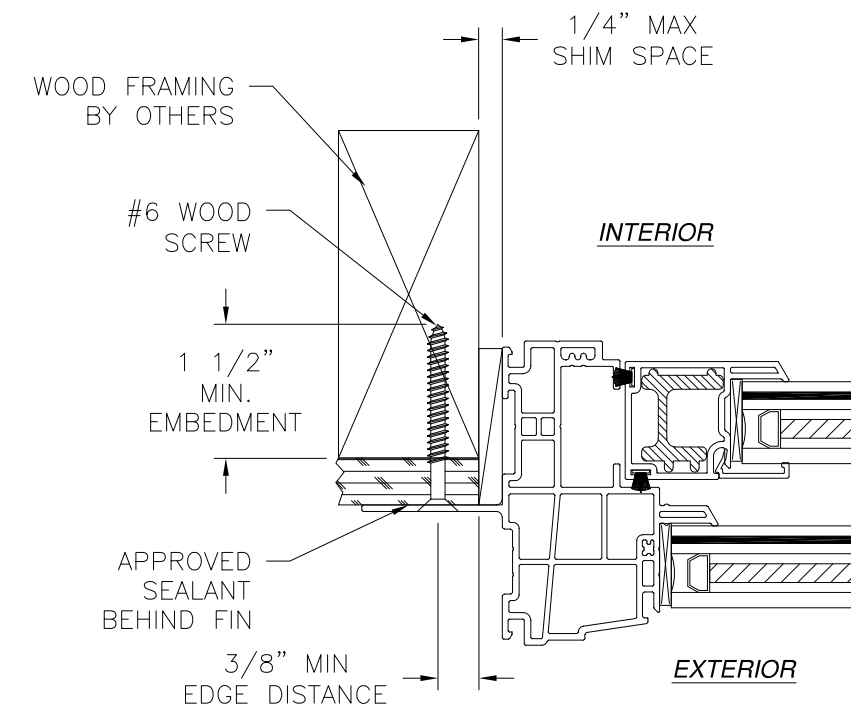
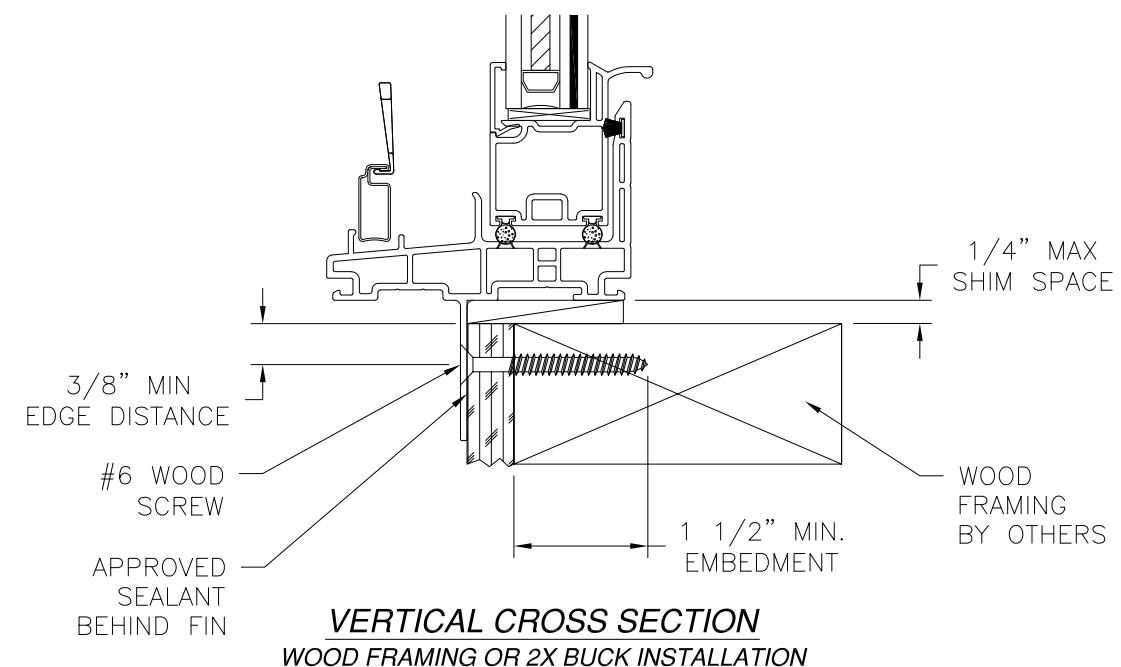
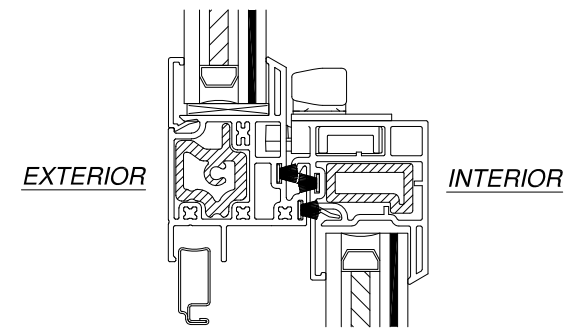
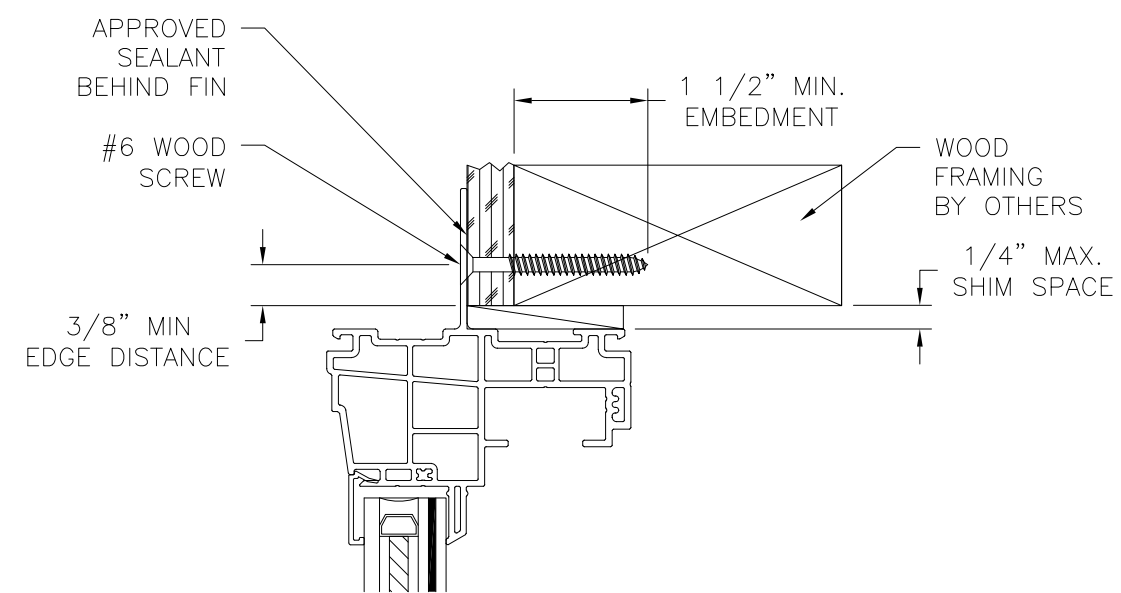
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 1620 SH REINFORCED IMPACT - 52" X 75" FIN WITH J CHANNEL INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 14 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/31/2023



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.

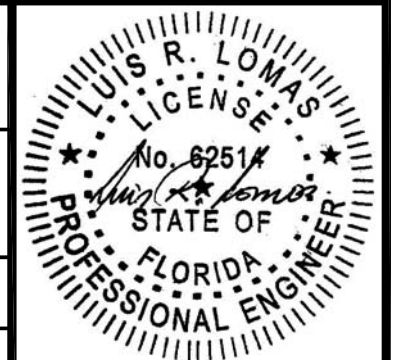


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

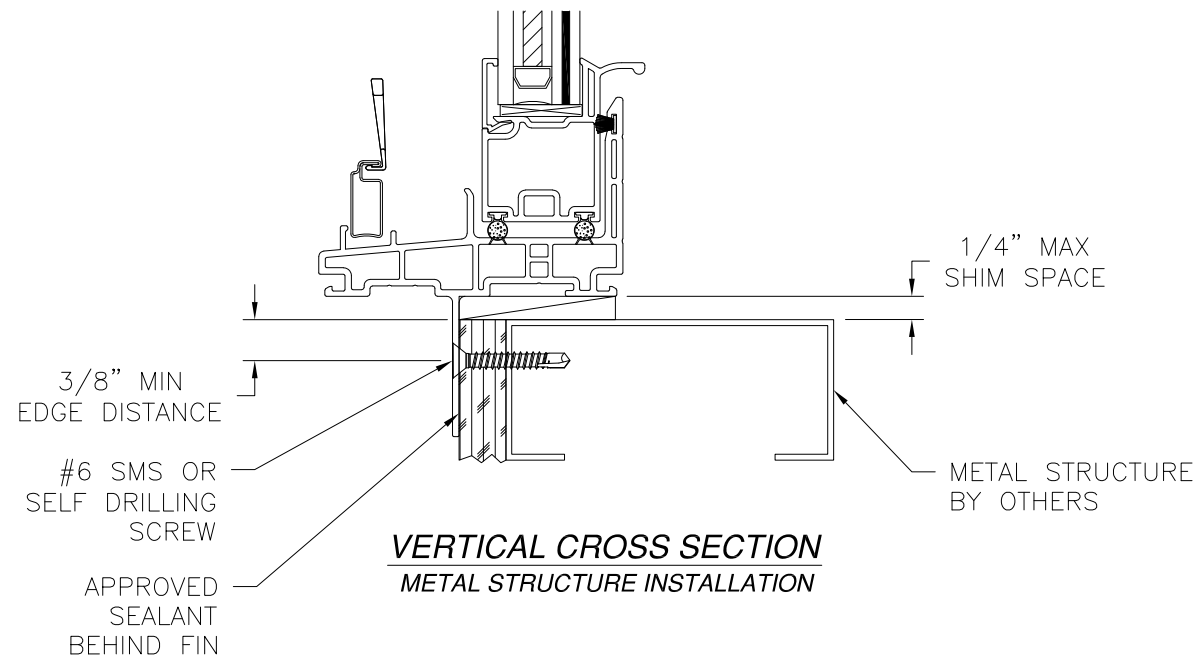
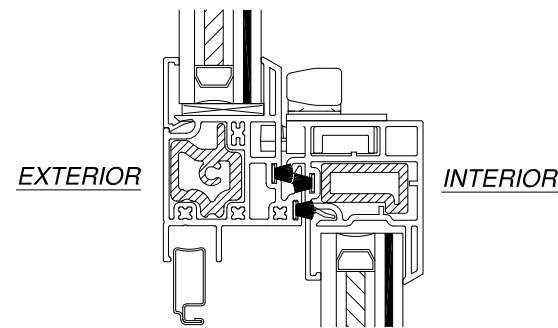
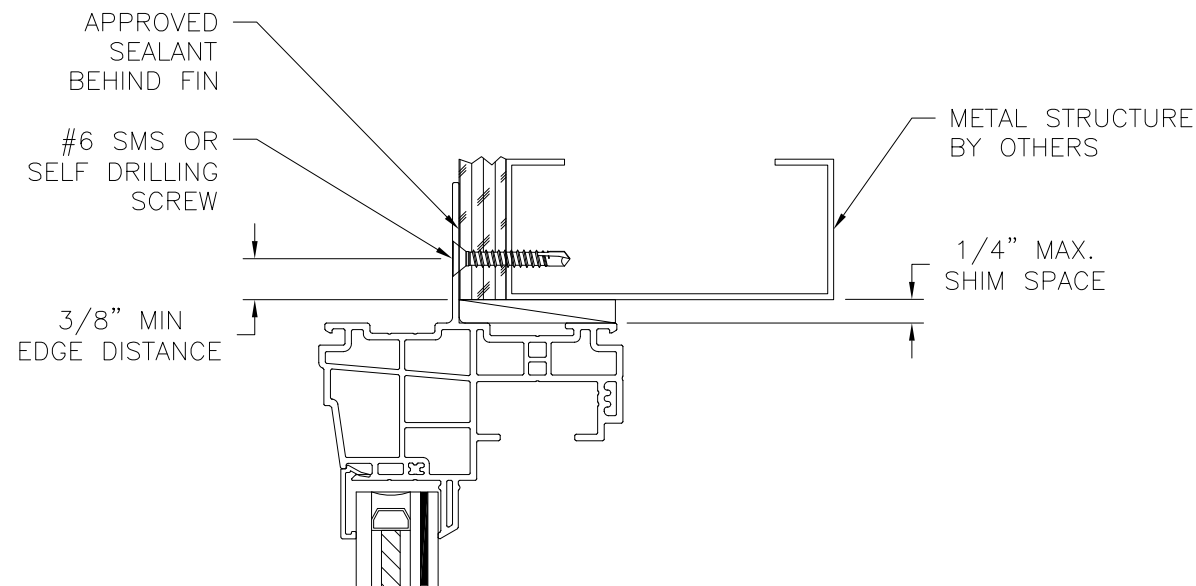
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 10/31/2023

MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 1620 SH REINFORCED IMPACT - 52" X 75" FIN INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 15 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

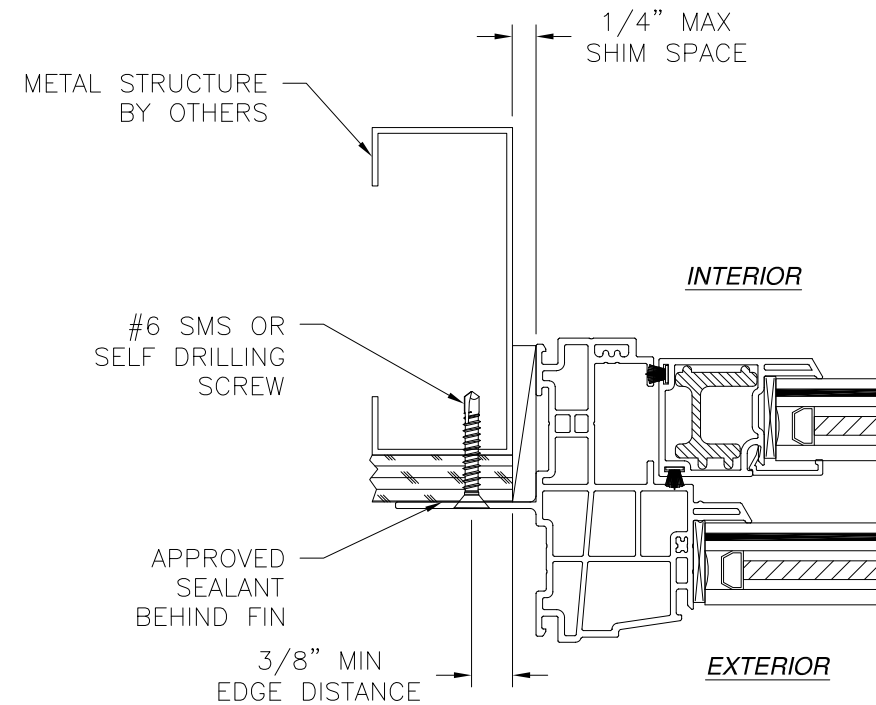


Luis R. Lomas P.E.
FL No.: 62514



- 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

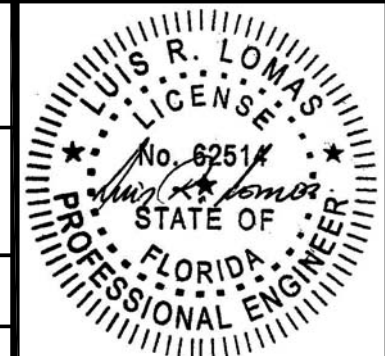
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

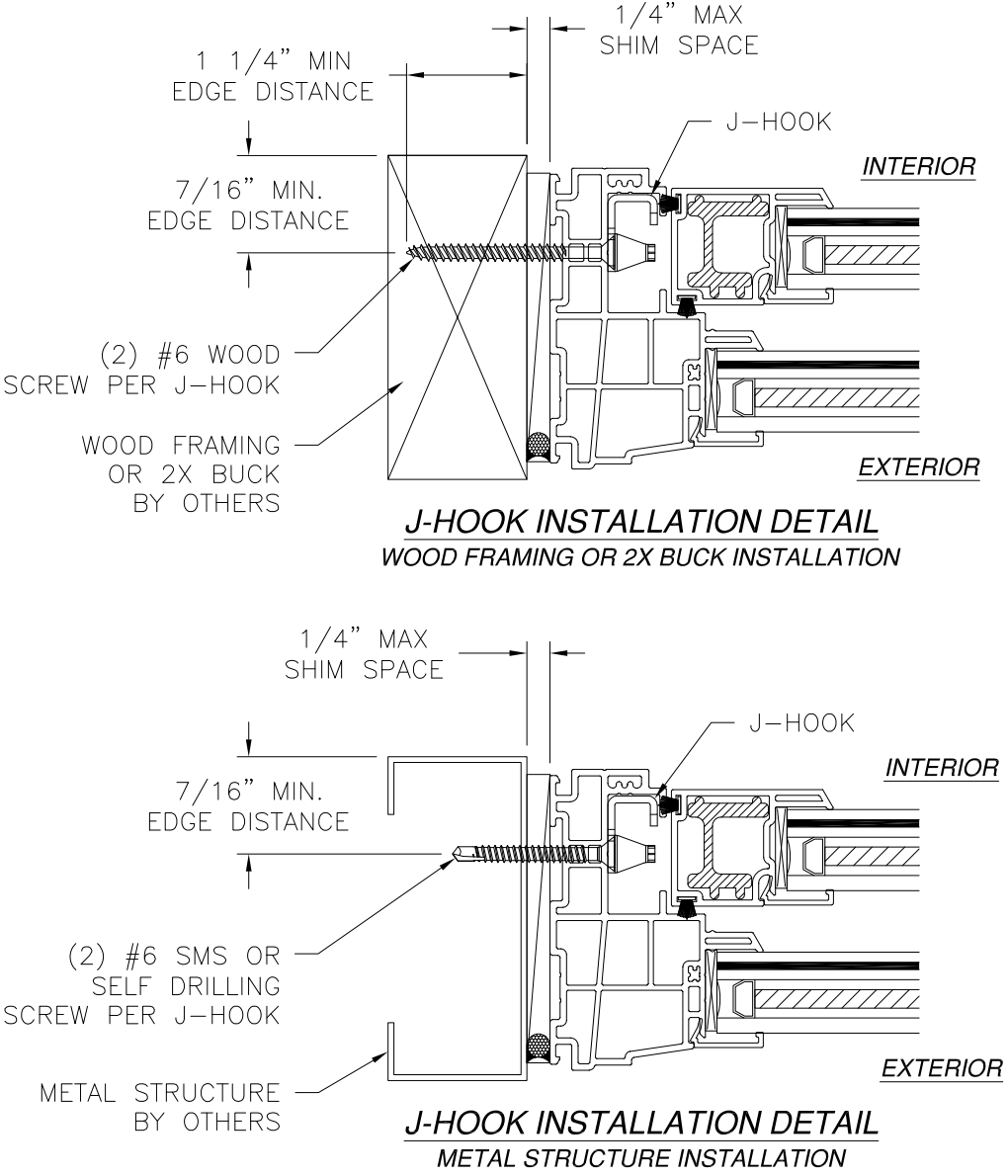
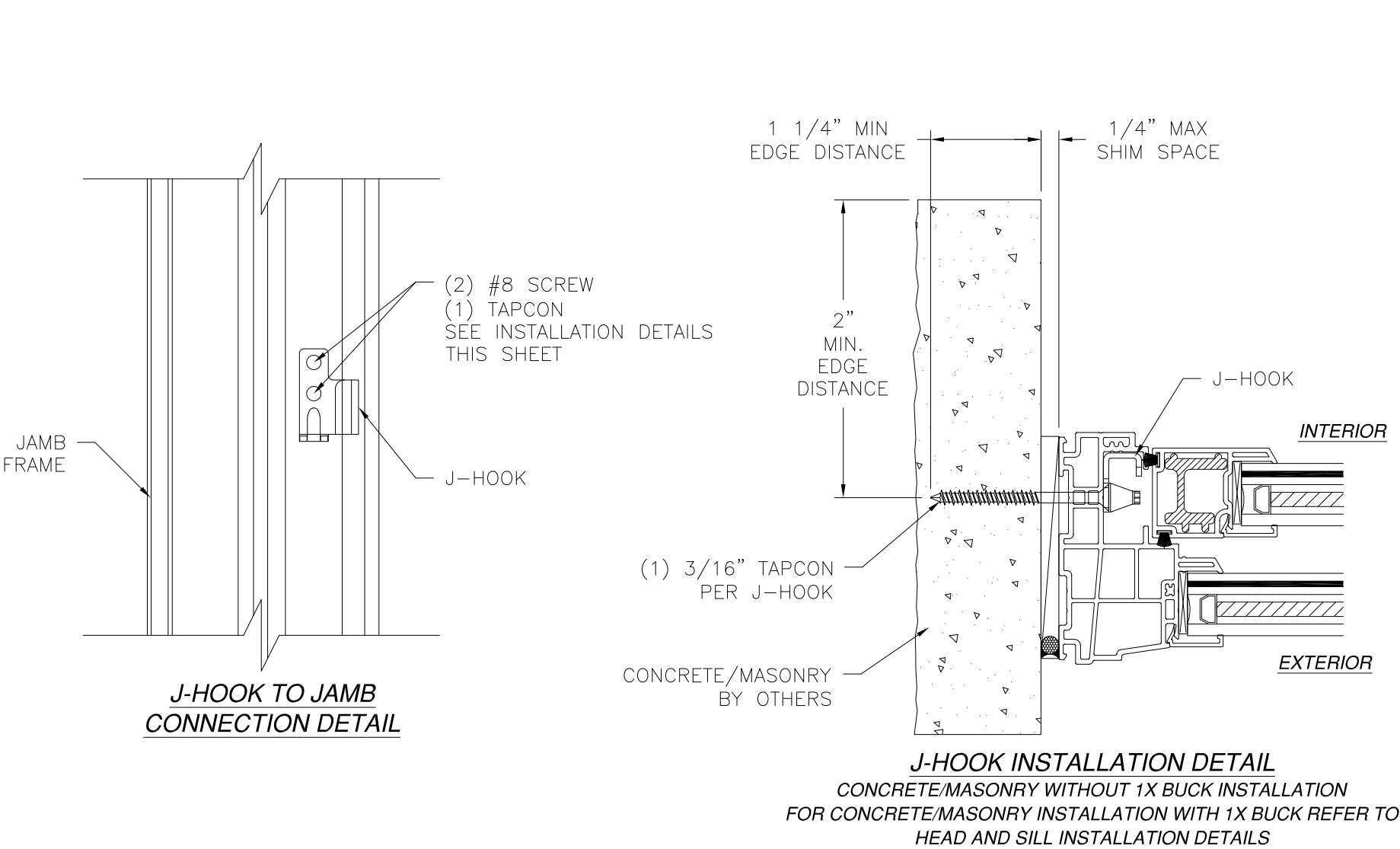
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 1620 SH REINFORCED IMPACT - 52" X 75" FIN INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 16 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/31/2023



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.

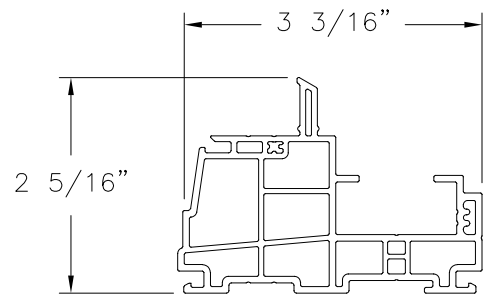


SIGNED: 10/31/2023

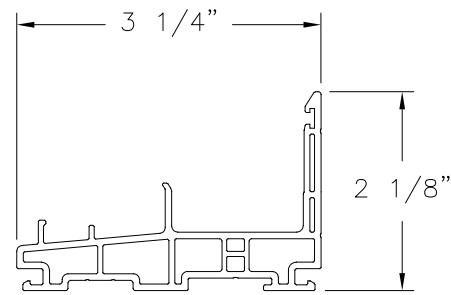
MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 1620 SH REINFORCED IMPACT - 52" X 75" J-HOOKE INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03042	REV C
SCALE NTS	DATE 11/30/16	SHEET 17 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



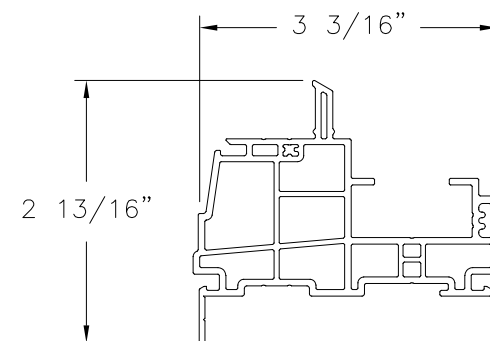
Luis R. Lomas P.E.
FL No.: 62514



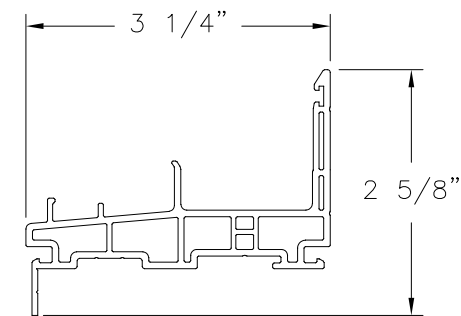
HEAD/JAMB FINLESS
EXTRUDED PVC (V-1008)



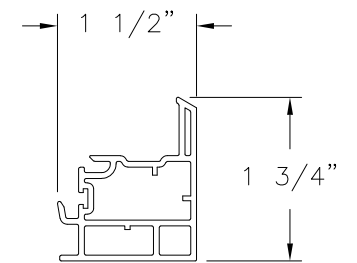
SILL FINLESS
EXTRUDED PVC (V-1013)



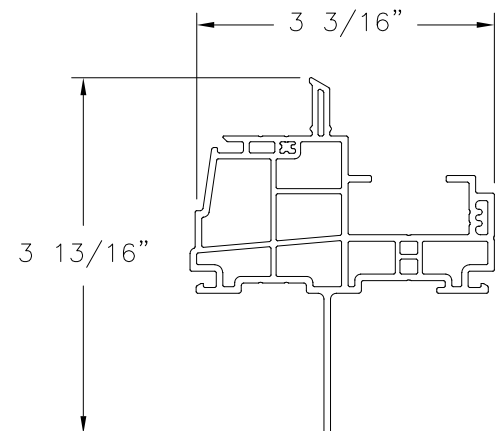
HEAD/JAMB WITH FLANGE
EXTRUDED PVC (V-1010)



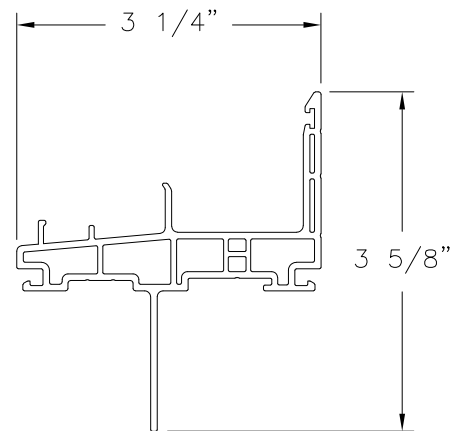
SILL WITH FLANGE
EXTRUDED PVC (V-1015)



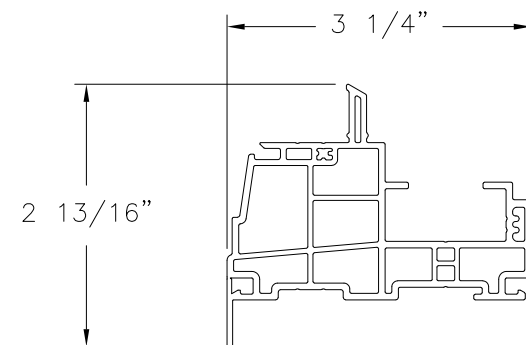
BOTTOM SASH/TOP RAIL
EXTRUDED PVC (V-675)



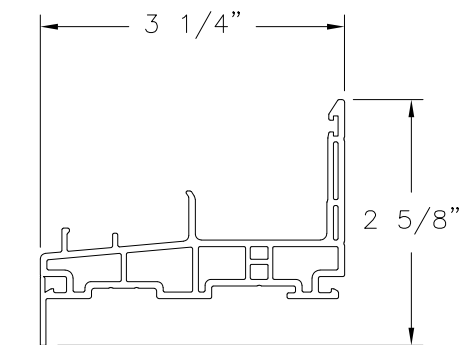
HEAD/JAMB FIN INSTALLATION
EXTRUDED PVC (V-1007)



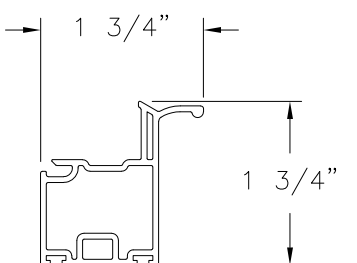
SILL FIN INSTALLATION
EXTRUDED PVC (V-1012)



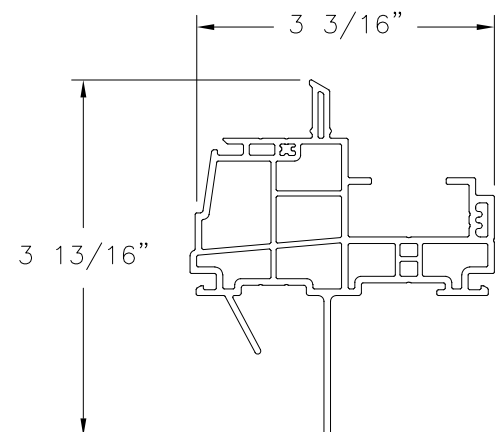
HEAD/JAMB WITH FLANGE
EXTRUDED PVC (VE-000025)



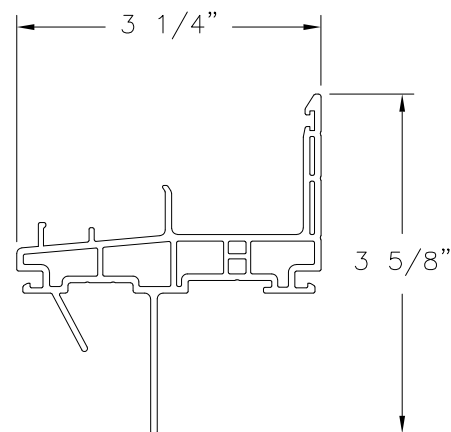
SILL WITH FLANGE
EXTRUDED PVC (VE-000021)



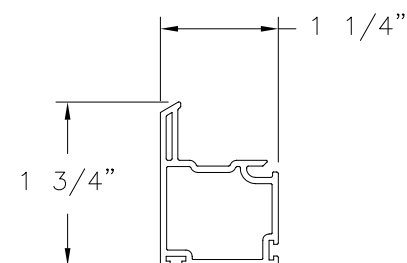
BOTTOM SASH/BOTTOM RAIL
EXTRUDED PVC (V-672)



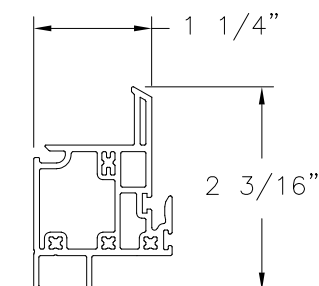
**HEAD/JAMB FIN INSTALLATION
WITH J-CHANNEL**
EXTRUDED PVC (V-1006)



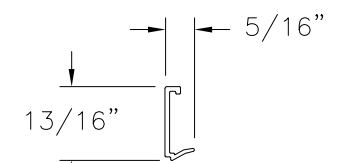
**SILL FIN INSTALLATION
WITH J-CHANNEL**
EXTRUDED PVC (V-1011)



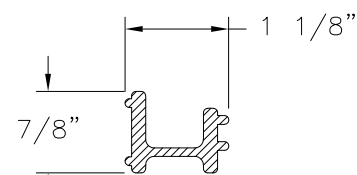
BOTTOM SASH/STILE
EXTRUDED PVC (V-670)



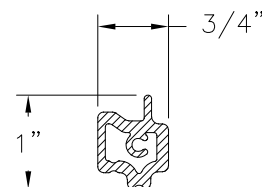
MEETING RAIL
EXTRUDED PVC (V-1016)



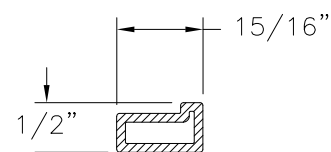
GLAZING BEAD
RIGID PVC (V-676)



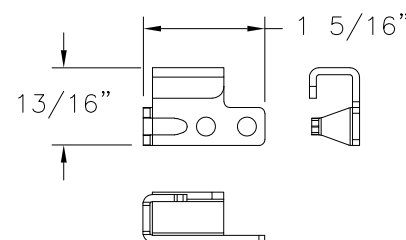
**STILES
REINFORCEMENT**
ALUMINUM 6063-T5 (M-2266)



**MEETING RAIL
REINFORCEMENT**
ALUMINUM 6063-T5 (AE-000162)



**LOCK RAIL
REINFORCEMENT**
ALUMINUM 6063-T5 (M-2115)



J-HOOK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/26/2023	R.L.

SIGNED: 10/31/2023

MI WINDOWS & DOORS, LLC.

650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 1620 SH REINFORCED
IMPACT - 52" X 75"
COMPONENTS

DRAWN:
R.L.

DWG NO.

08-03042

REV
C

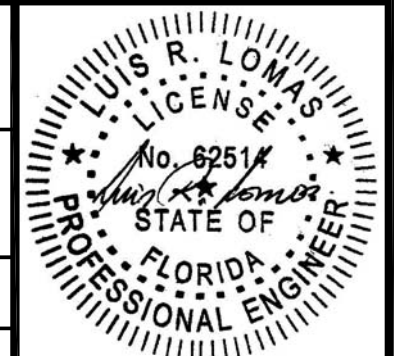
SCALE NTS

DATE

11/30/16

SHEET 18 OF 18

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