

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHOR SPACING & CHARTS	07/11/16	R.L.
B	REVISED GLASS	10/02/17	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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. 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.
5. 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.
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 WINDOW 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 ALUMINUM 6063-T5.
12. UNITS MUST BE GLAZED PER ASTM E1300-04/09, SEE SHEET 14 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. 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.

15. 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.
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 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. 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.
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:
 - 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

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16	COMPONENTS

MI WINDOWS AND DOORS, LLC

650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 185 ALUMINUM SINGLE HUNG WINDOW

52" X 84" NON-IMPACT

NOTES

DRAWN:
N.G.

DWG NO.
08-02546

REV
B

SCALE NTS

DATE 12/09/2014

SHEET 1 OF 16

L. ROBERTO LOMAS P.E.

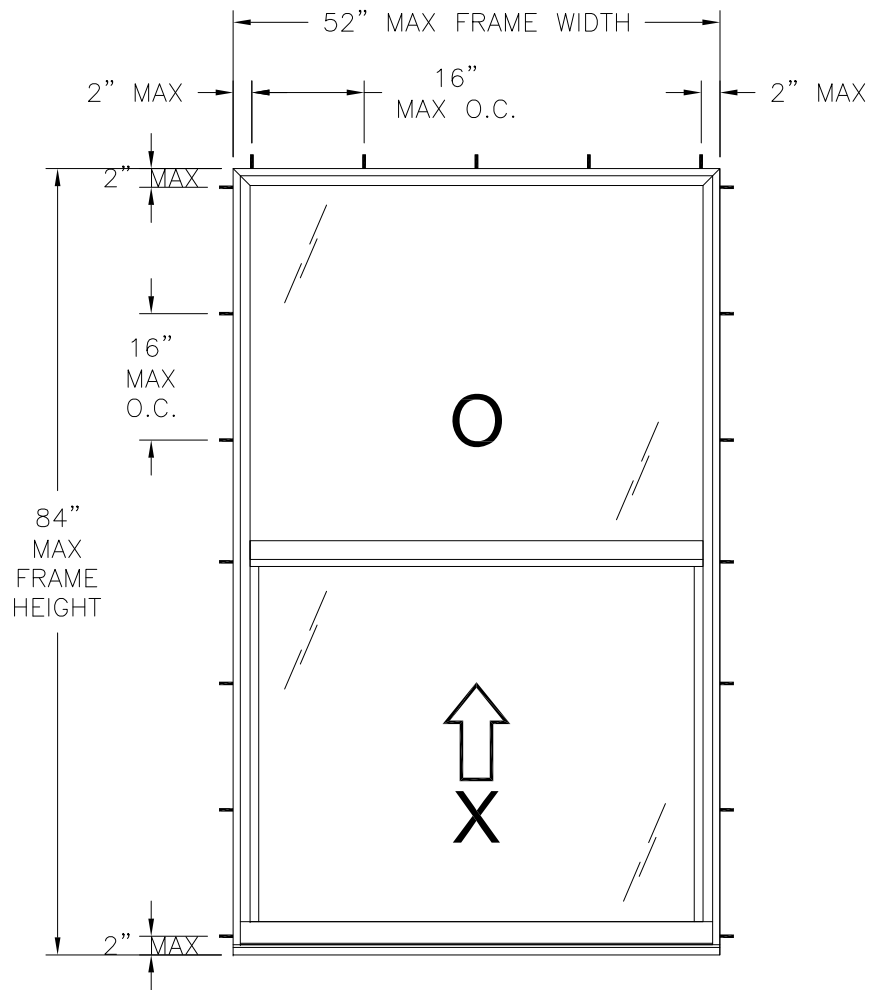
1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com

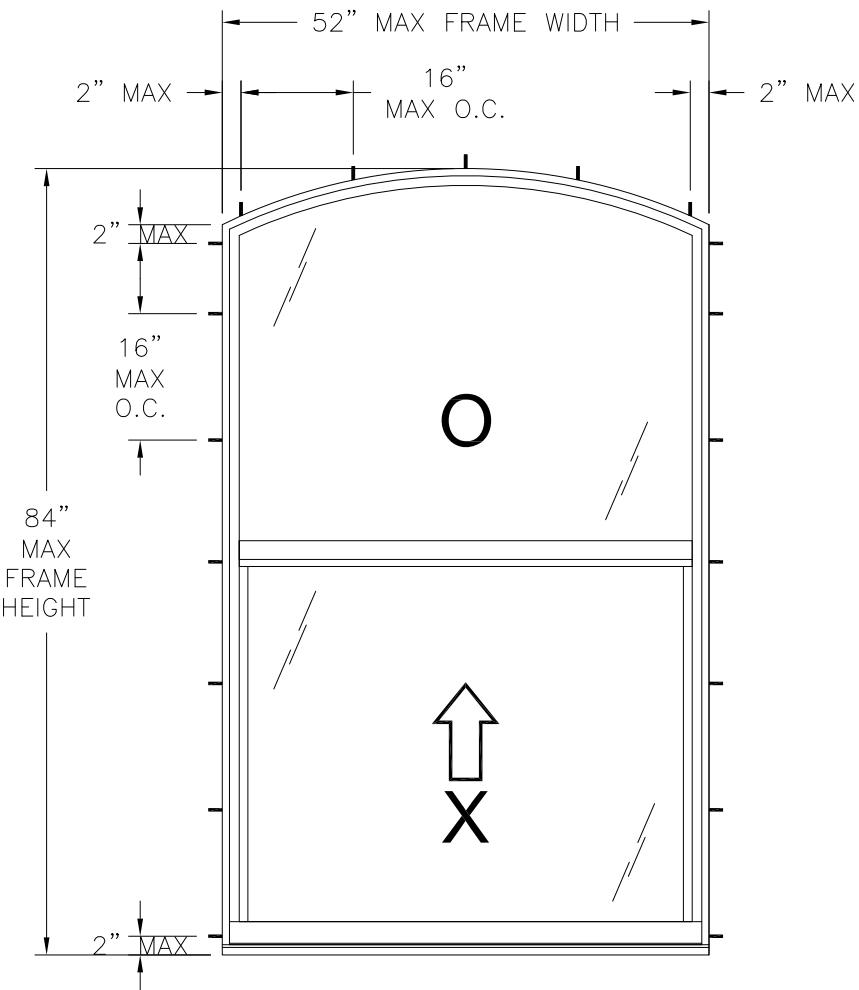
SIGNED: 02/27/2020



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



185 ALUMINUM SINGLE HUNG WINDOW
EXTERIOR VIEW
FLANGE & FINLESS INSTALLATION
WITHOUT FILLERS
SEE CHART #1 FOR SMALLER UNITS REQUIRED ANCHORS



185 ALUMINUM SINGLE HUNG WINDOW
DESIGNER EXTERIOR VIEW
FLANGE & FINLESS INSTALLATION
WITHOUT FILLERS
SEE CHART #1 FOR SMALLER UNITS REQUIRED ANCHORS

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	NONE

- NOTES:
1. MAXIMUM SASH SIZE: 51" X 36".
 2. MAXIMUM SASH D.L.O.: 47 5/8" X 32 1/2".
 3. MAXIMUM FIXED D.L.O.: 49 1/4" X 45".

HARDWARE SCHEDULE	
A.	(2) METAL SWEEP LOCK AT 8" FROM EACH END INTERIOR MEETING RAIL
B.	(2) BLOCK AND TACKLE BALANCE AT JAMBS

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CHART #1 UNITS INSTALLED WITHOUT FILLERS

Number of anchor locations required														
Frame Height (in)	Frame Width (in)													
	18.00		24.00		30.00		36.00		42.00		48.00		52.00	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
24.00	2	3	3	3	3	3	3	3	4	3	4	3	4	3
30.00	2	3	3	3	3	3	3	3	4	3	4	3	4	3
36.00	2	3	3	3	3	3	3	3	4	3	4	3	4	3
42.00	2	4	3	4	3	4	3	4	4	4	4	4	4	4
48.00	2	4	3	4	3	4	3	4	4	4	4	4	4	4
54.00	2	5	3	5	3	5	3	5	4	5	4	5	4	5
60.00	2	5	3	5	3	5	3	5	4	5	4	5	4	5
66.00	2	5	3	5	3	5	3	5	4	5	4	5	4	5
72.00	2	6	3	6	3	6	3	6	4	6	4	6	4	6
78.00	2	6	3	6	3	6	3	6	4	6	4	6	5	6
84.00	2	6	3	6	3	6	3	6	4	6	4	7	5	7

SIGNED: 02/27/2020

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

SERIES 185 ALUMINUM SINGLE HUNG WINDOW
52" X 84" NON-IMPACT
FLANGE & FINLESS ELEVATIONS

DRAWN:
N.G.

DWG NO.
08-02546

REV
B

SCALE
NTS

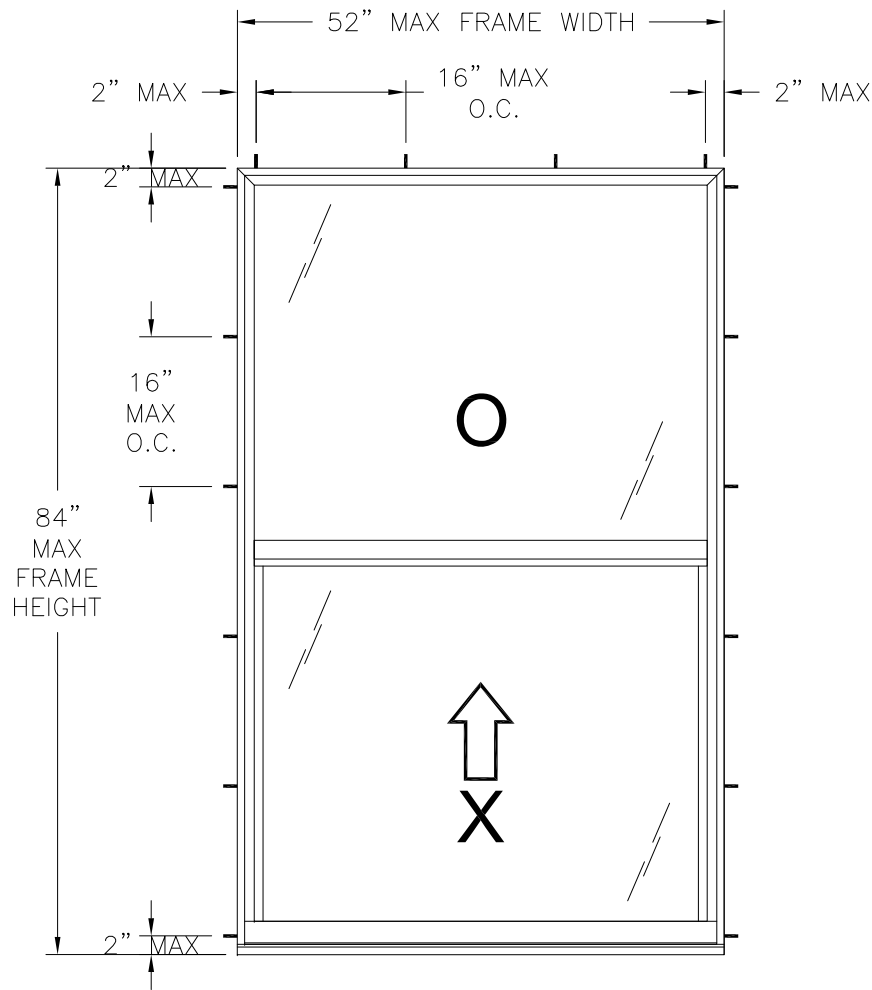
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12/09/2014

SHEET
2 OF 16

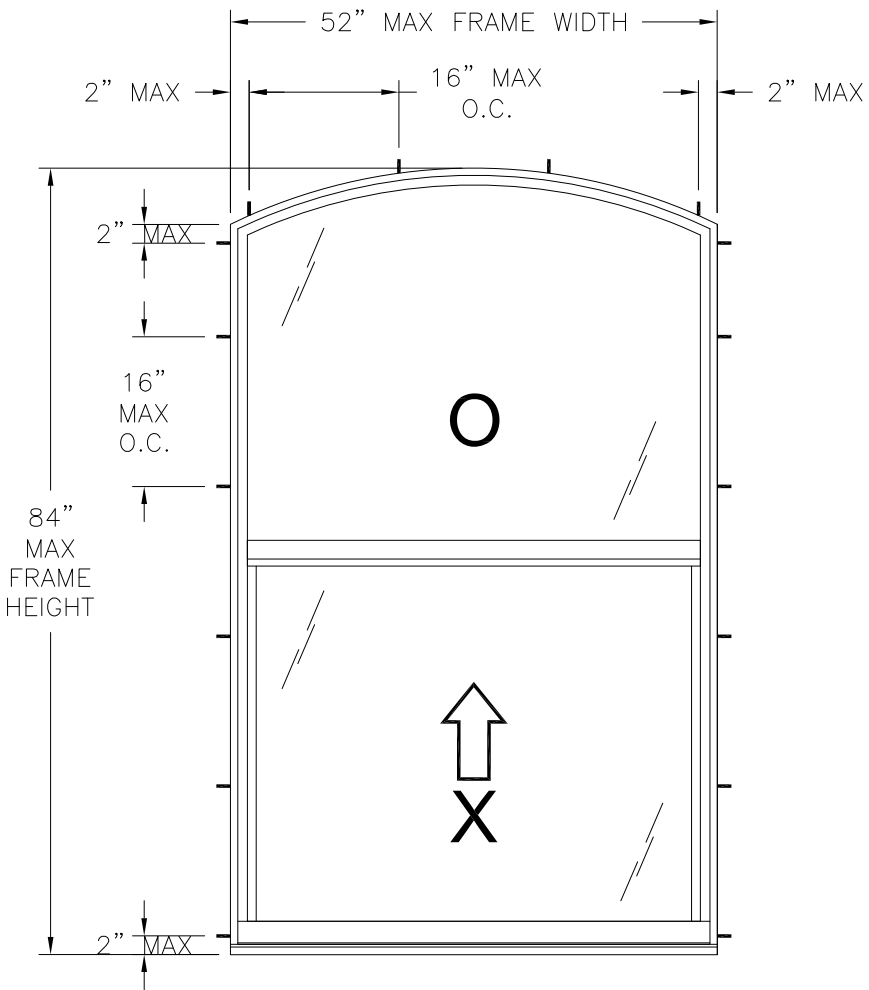
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185 ALUMINUM SINGLE HUNG WINDOW
EXTERIOR VIEW
FLANGE & FINLESS INSTALLATION
WITH FILLERS
SEE CHART #2 FOR SMALLER UNITS REQUIRED ANCHORS



185 ALUMINUM SINGLE HUNG WINDOW
DESIGNER EXTERIOR VIEW
FLANGE & FINLESS INSTALLATION
WITH FILLERS
SEE CHART #2 FOR SMALLER UNITS REQUIRED ANCHORS

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	NONE

- NOTES:
1. MAXIMUM SASH SIZE: 51" X 36".
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A.	(2) METAL SWEEP LOCK AT 8" FROM EACH END INTERIOR MEETING RAIL
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REVISIONS			
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B	REVISED GLASS	10/02/17	R.L.

CHART #2 UNITS INSTALLED WITH FILLERS

Number of anchor locations required														
Frame Height (in)	Frame Width (in)													
	18.00		24.00		30.00		36.00		42.00		48.00		52.00	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
24.00	2	3	3	3	3	3	3	3	4	3	4	3	4	3
30.00	2	3	3	3	3	3	3	3	4	3	4	3	4	3
36.00	2	3	3	3	3	3	3	3	4	3	4	3	4	3
42.00	2	4	3	4	3	4	3	4	4	4	4	4	4	4
48.00	2	4	3	4	3	4	3	4	4	4	4	4	4	4
54.00	2	5	3	5	3	5	3	5	4	5	4	5	4	5
60.00	2	5	3	5	3	5	3	5	4	5	4	5	4	5
66.00	2	5	3	5	3	5	3	5	4	5	4	5	4	5
72.00	2	6	3	6	3	6	3	6	4	6	4	6	4	6
78.00	2	6	3	6	3	6	3	6	4	6	4	6	4	6
84.00	2	6	3	6	3	6	3	6	4	6	4	6	4	6

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

SERIES 185 ALUMINUM SINGLE HUNG WINDOW
52" X 84" NON-IMPACT
FLANGE & FINLESS ELEVATIONS

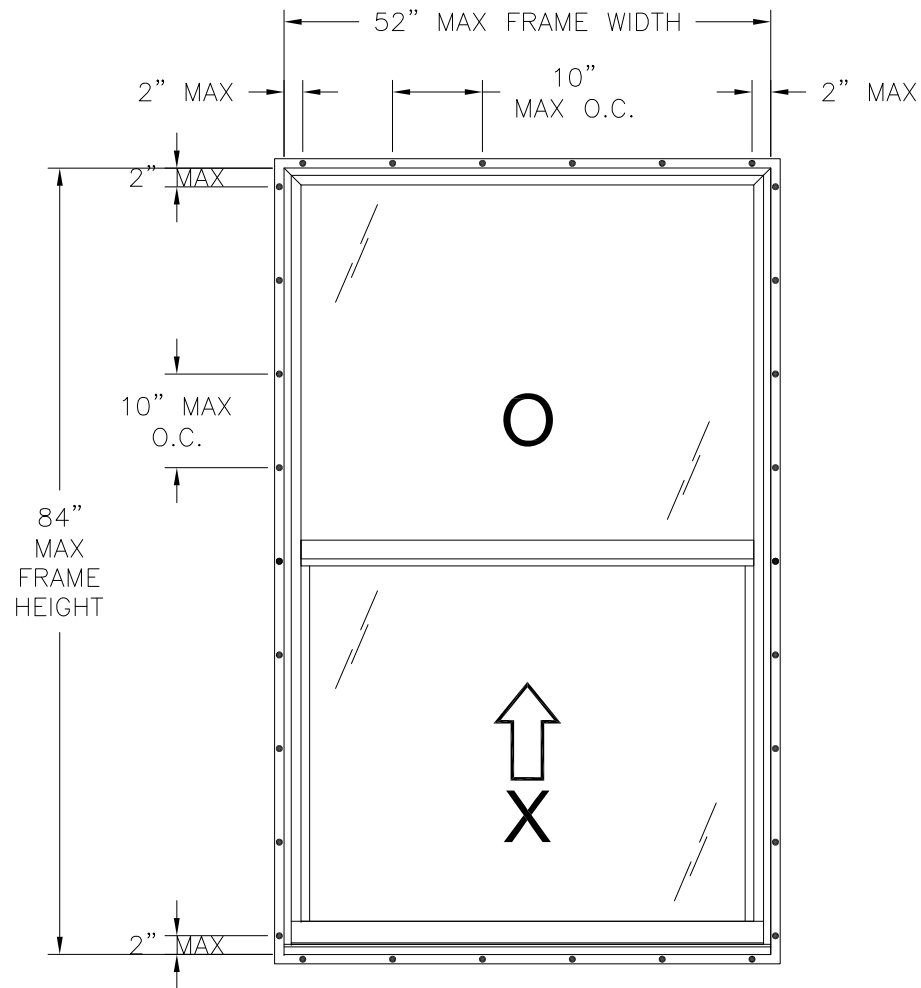
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SCALE NTS	DATE 12/09/2014	SHEET 3 OF 16

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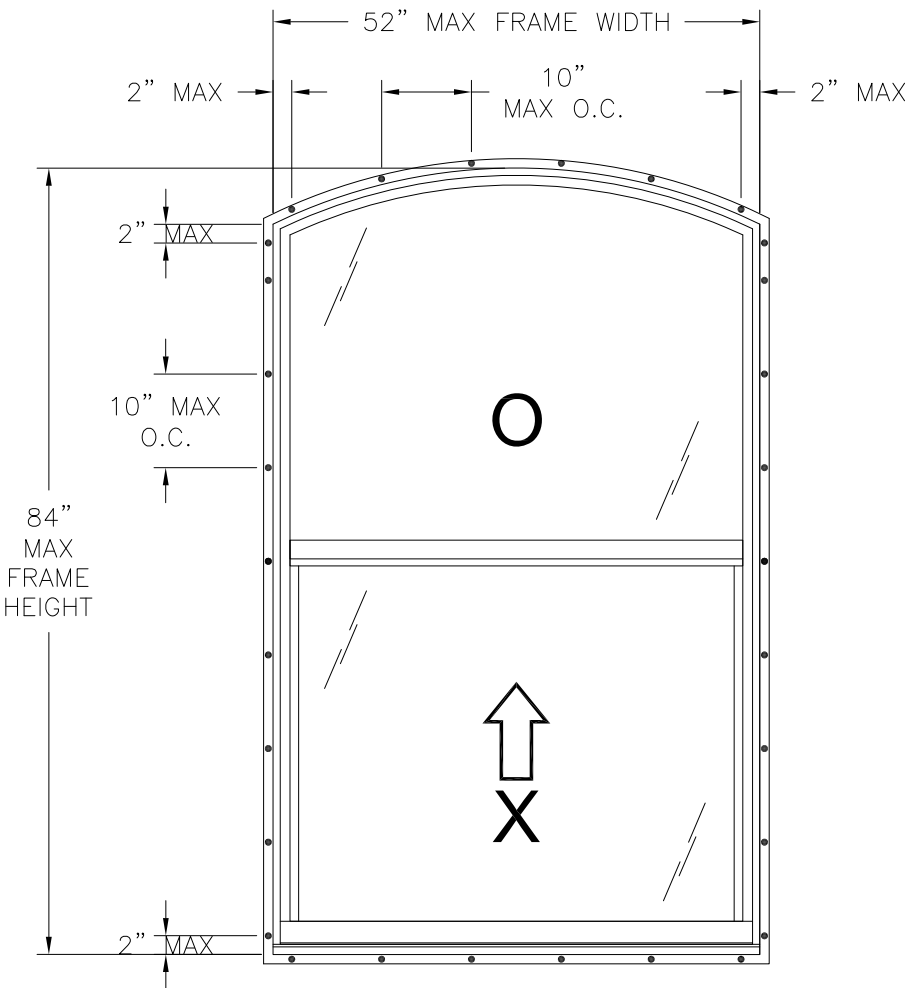
SIGNED: 02/27/2020



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



185 ALUMINUM SINGLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION
SEE CHART #3 FOR SMALLER UNITS REQUIRED ANCHORS



185 ALUMINUM SINGLE HUNG WINDOW
DESIGNER EXTERIOR VIEW
FIN INSTALLATION
SEE CHART #3 FOR SMALLER UNITS REQUIRED ANCHORS

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	NONE

- NOTES:
1. MAXIMUM SASH SIZE: 51" X 36".
 2. MAXIMUM SASH D.L.O.: 47 5/8" X 32 1/2".
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HARDWARE SCHEDULE	
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B	REVISED GLASS	10/02/17	R.L.

CHART #3

Number of anchor locations required														
Frame Height (in)	Frame Width (in)													
	18.00		24.00		30.00		36.00		42.00		48.00		52.00	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
24.00	3	3	3	3	4	3	5	3	5	3	6	3	6	3
30.00	3	4	3	4	4	4	5	4	5	4	6	4	6	4
36.00	3	5	3	5	4	5	5	5	5	5	6	5	6	5
42.00	3	5	3	5	4	5	5	5	5	5	6	5	6	5
48.00	3	6	3	6	4	6	5	6	5	6	6	6	6	6
54.00	3	6	3	6	4	6	5	6	5	6	6	6	6	6
60.00	3	7	3	7	4	7	5	7	5	7	6	7	6	7
66.00	3	8	3	8	4	8	5	8	5	8	6	8	6	8
72.00	3	8	3	8	4	8	5	8	5	8	6	8	6	8
78.00	3	9	3	9	4	9	5	9	5	9	6	9	6	9
84.00	3	9	3	9	4	9	5	9	5	9	6	9	6	9

SIGNED: 02/27/2020

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

SERIES 185 ALUMINUM SINGLE HUNG WINDOW
52" X 84" NON-IMPACT
FIN ELEVATION

DRAWN:
N.G.

DWG NO.
08-02546

REV
B

SCALE NTS

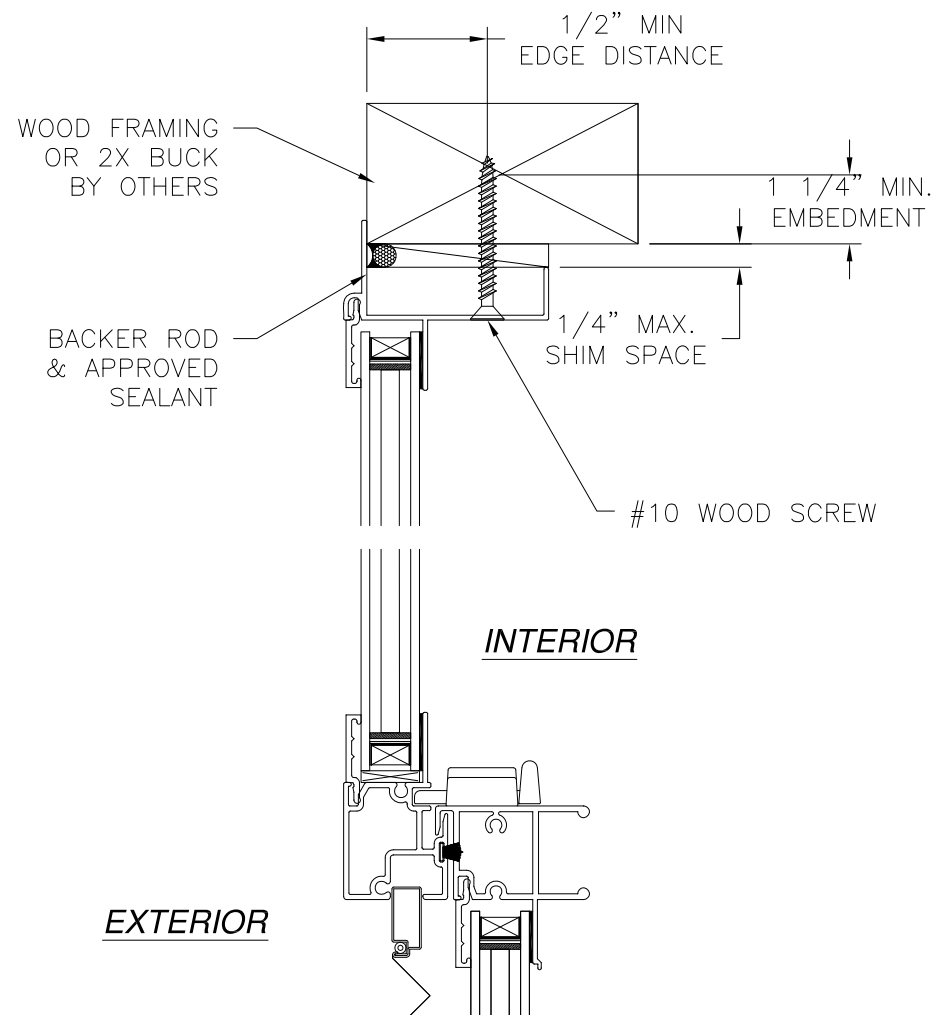
DATE 12/09/2014

SHEET 4 OF 16

L. ROBERTO LOMAS P.E.
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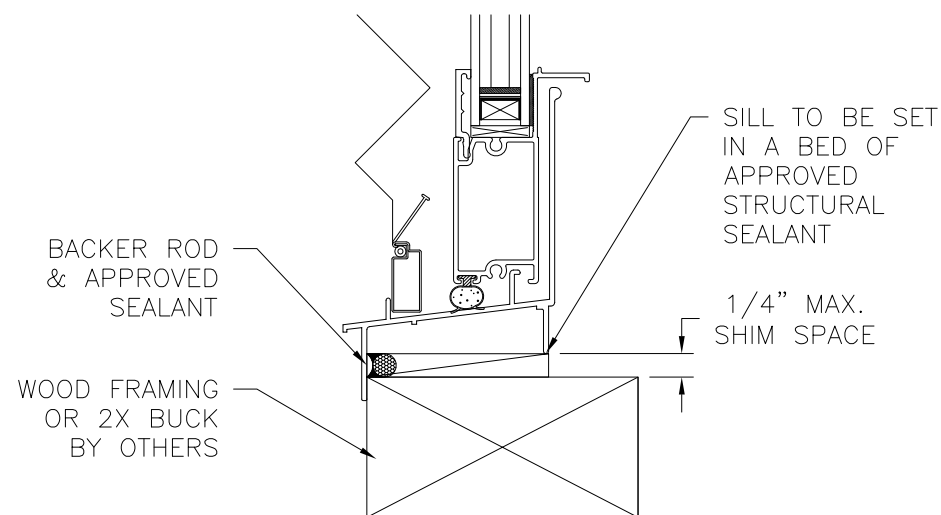


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EXTERIOR

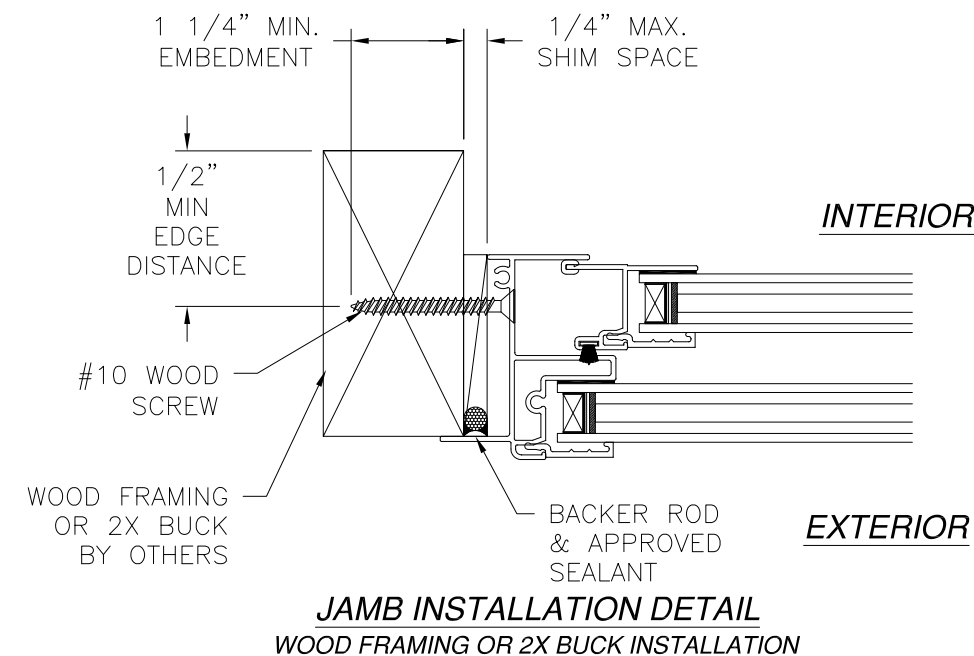
INTERIOR



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			
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

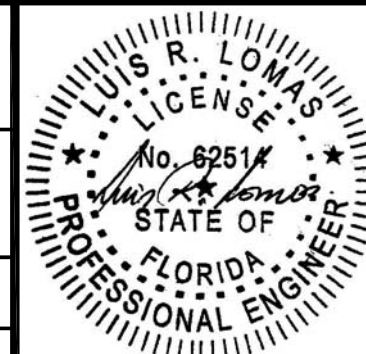
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MI WINDOWS AND DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

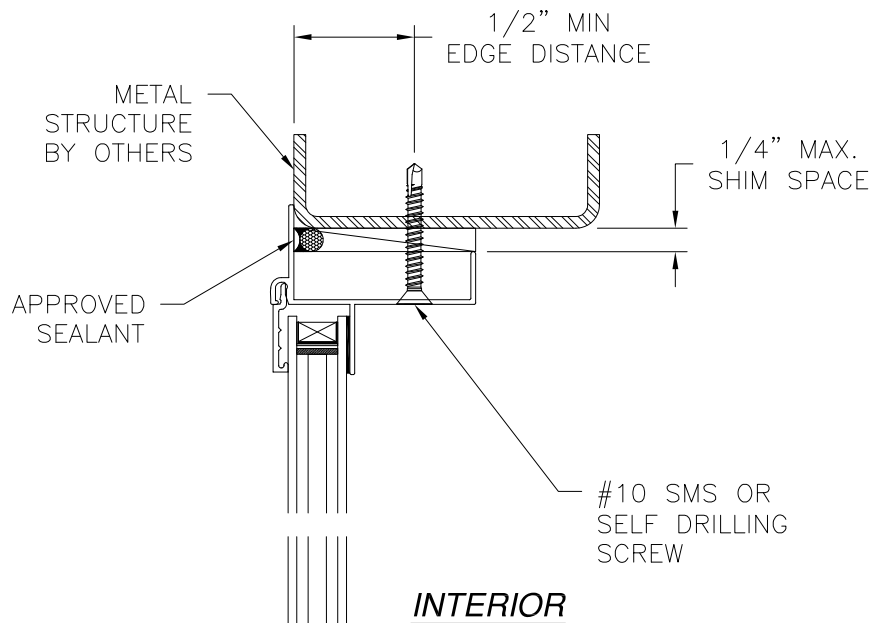
SERIES 185 ALUMINUM SINGLE HUNG WINDOW
52" X 84" NON-IMPACT
FLANGE INSTALLATION DETAILS WITHOUT FILLERS

DRAWN: N.G.	DWG NO. 08-02546	REV B
SCALE NTS	DATE 12/09/2014	SHEET 5 OF 16

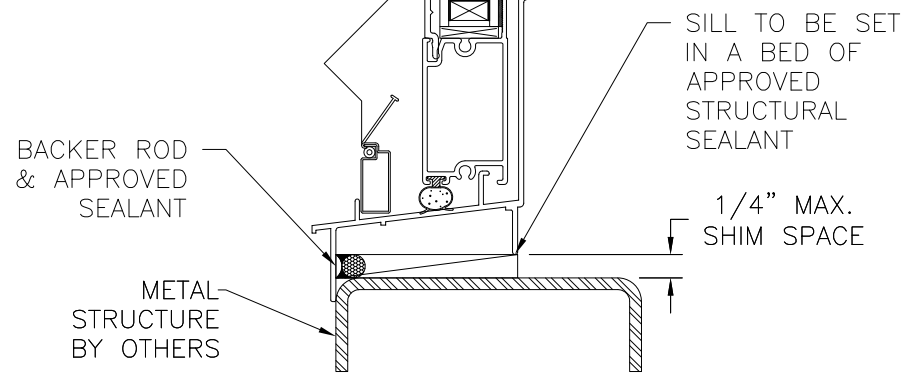
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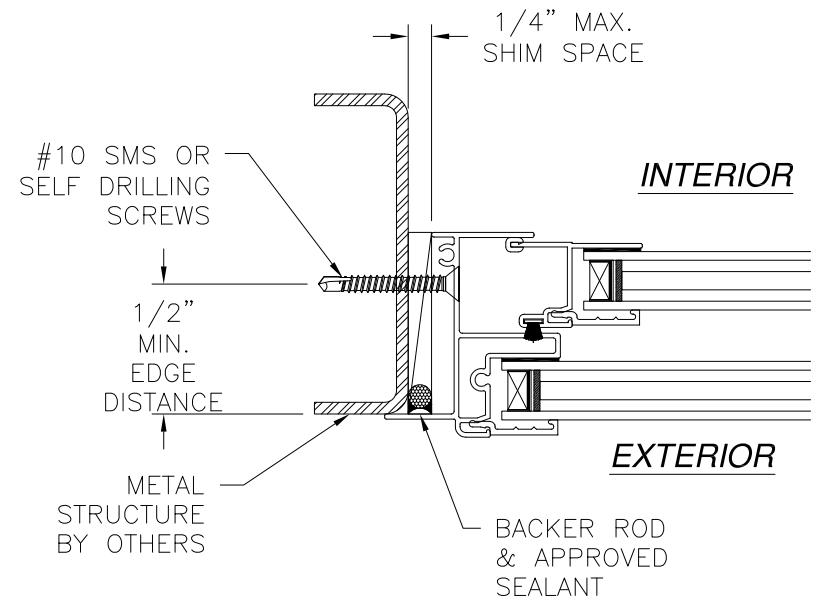


EXTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

NOTES:
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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

REVISIONS			
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B	REVISED GLASS	10/02/17	R.L.

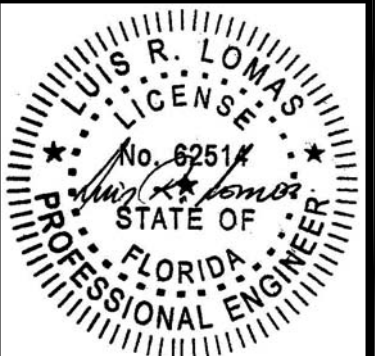
MI WINDOWS AND DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

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52" X 84" NON-IMPACT
FLANGE INSTALLATION DETAILS WITHOUT FILLERS

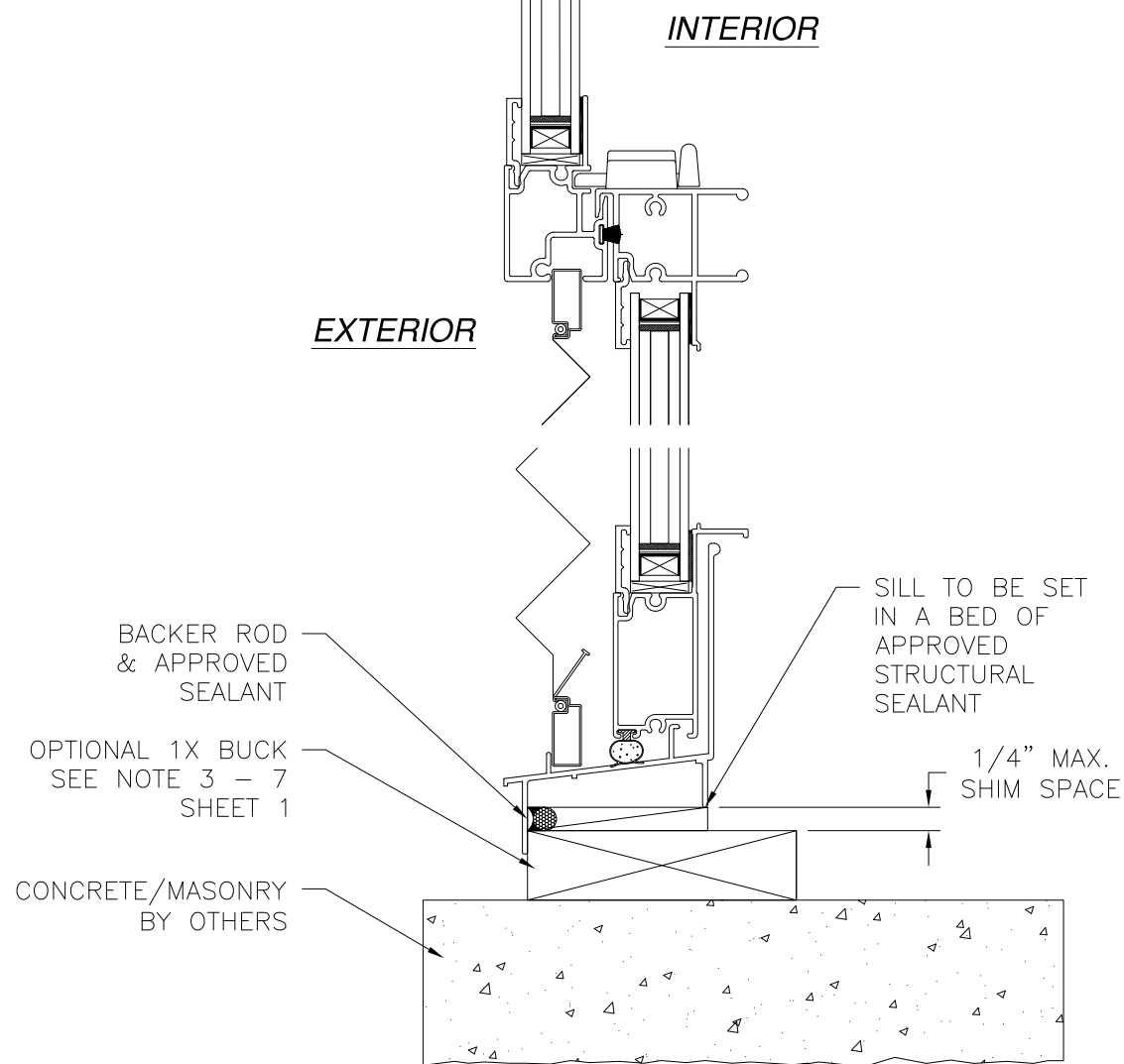
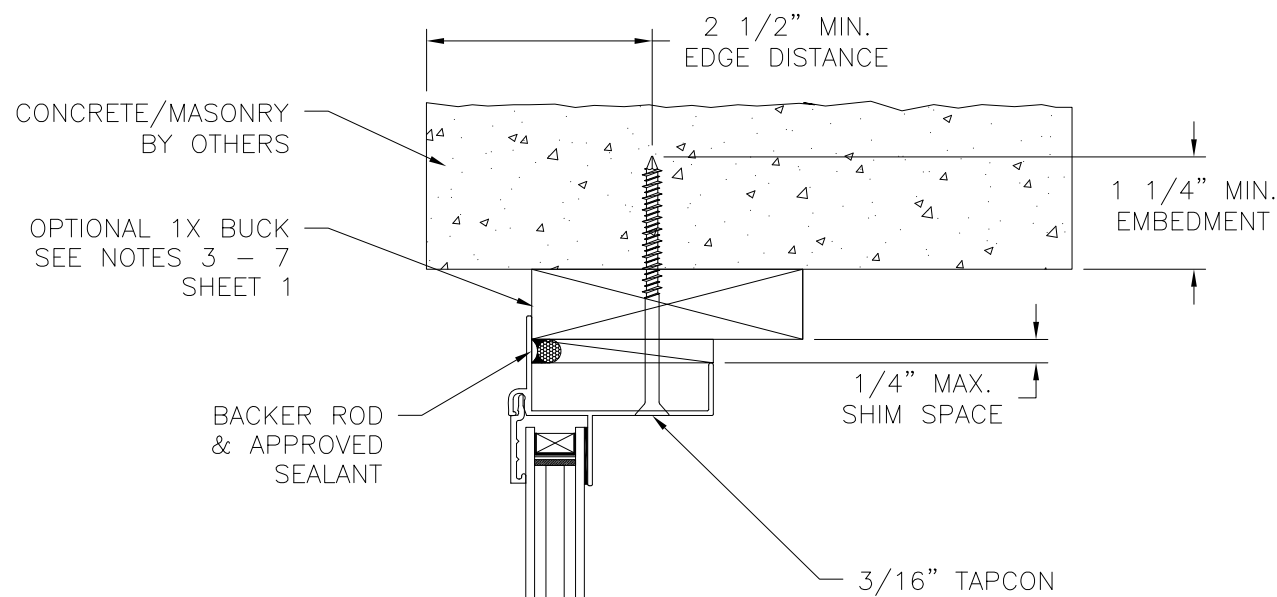
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SCALE NTS	DATE 12/09/2014	SHEET 6 OF 16

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

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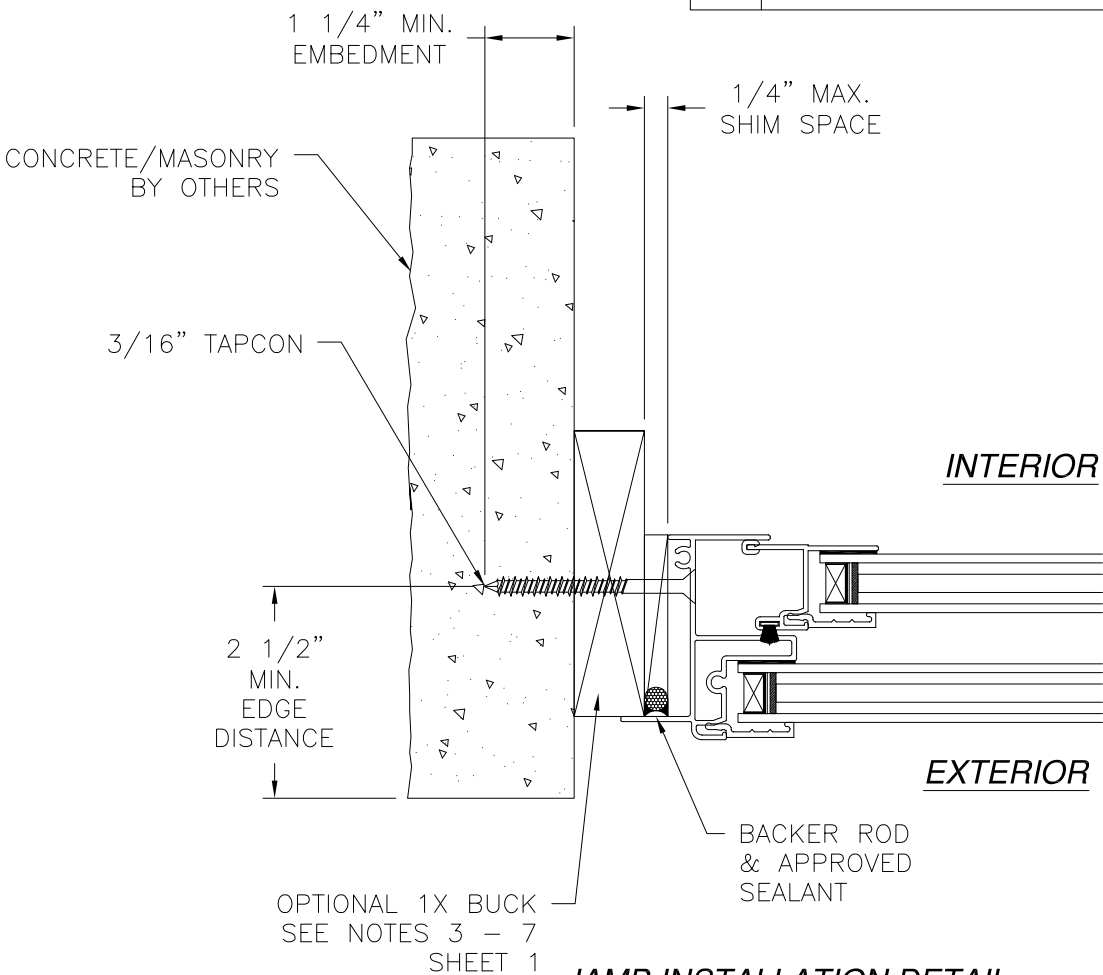


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

REVISIONS			
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B	REVISED GLASS	10/02/17	R.L.

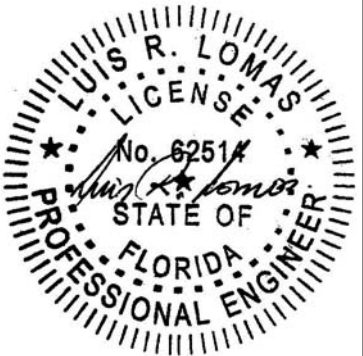


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

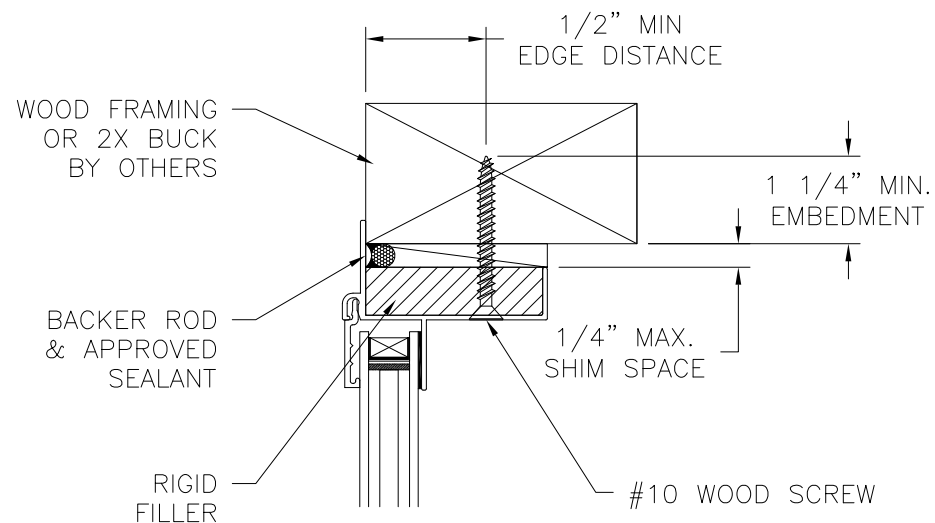
NOTES:
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 02/27/2020

MI WINDOWS AND DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 185 ALUMINUM SINGLE HUNG WINDOW 52" X 84" NON-IMPACT FLANGE INSTALLATION DETAILS WITHOUT FILLERS		
DRAWN: N.G.	DWG NO. 08-02546	REV B
SCALE NTS	DATE 12/09/2014	SHEET 7 OF 16
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

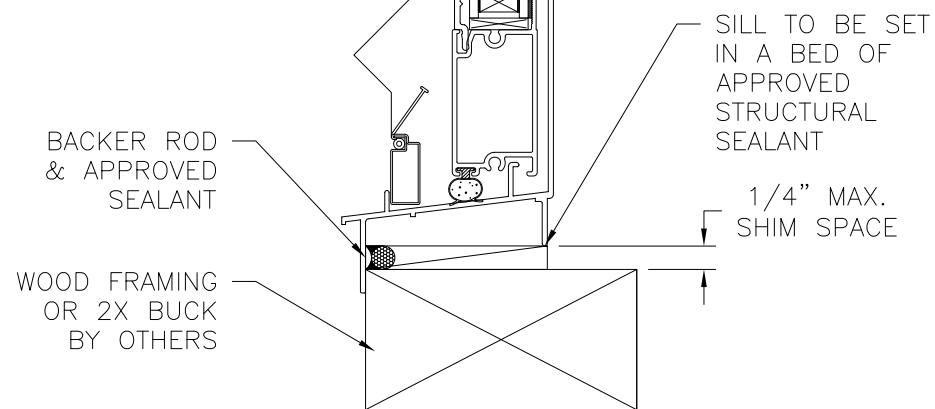


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INTERIOR

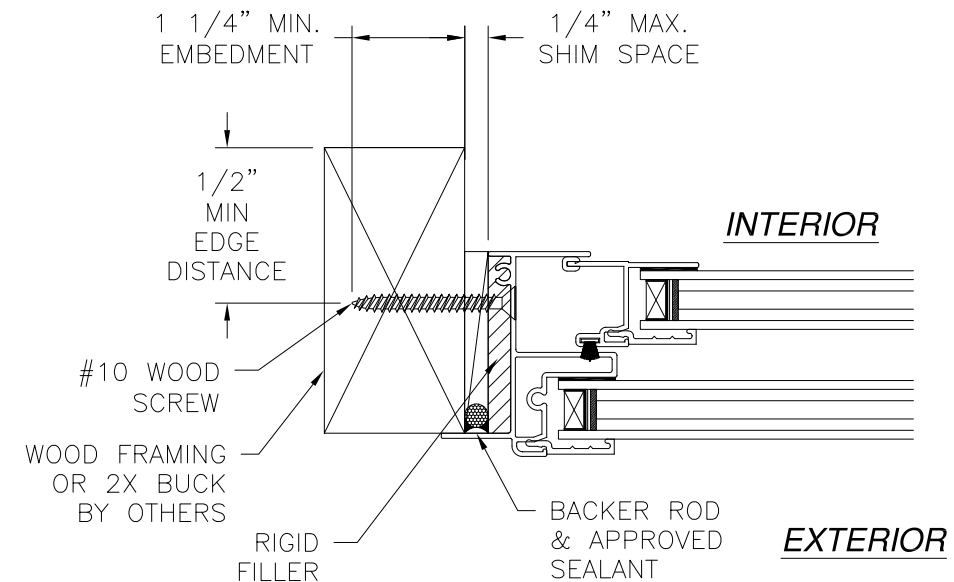
EXTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:
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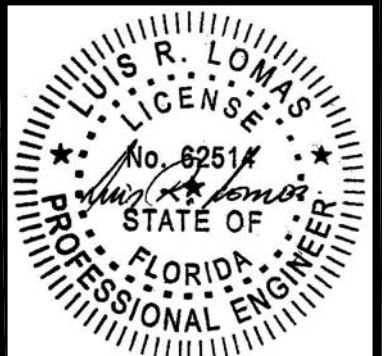
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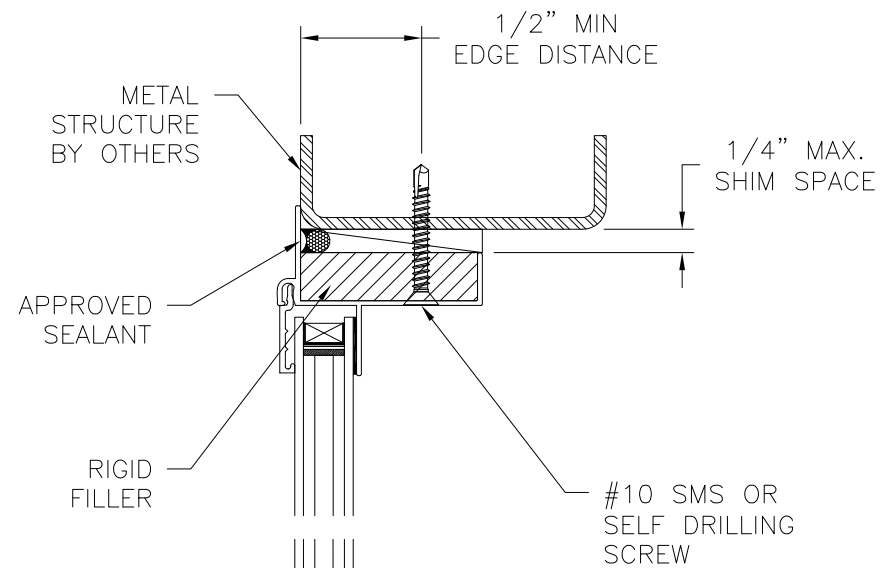
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

MI WINDOWS AND DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 185 ALUMINUM SINGLE HUNG WINDOW 52" X 84" NON-IMPACT FLANGE INSTALLATION DETAILS WITH FILLERS		
DRAWN: N.G.	DWG NO. 08-02546	REV B
SCALE NTS	DATE 12/09/2014	SHEET 8 OF 16
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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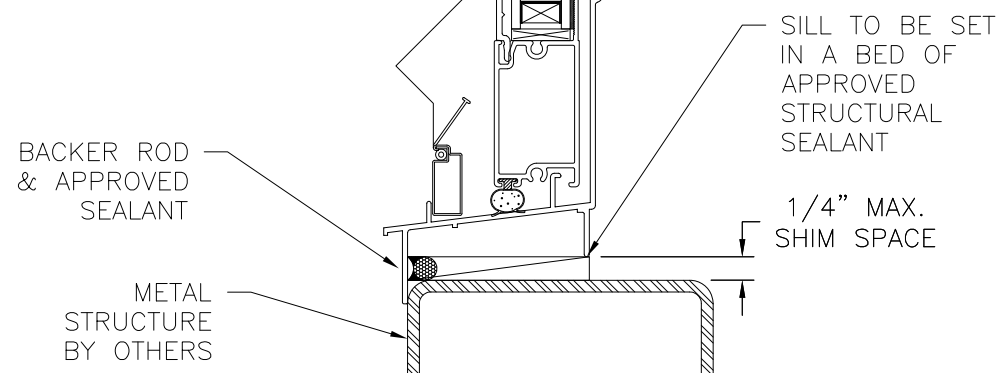


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FL No.: 62514



INTERIOR

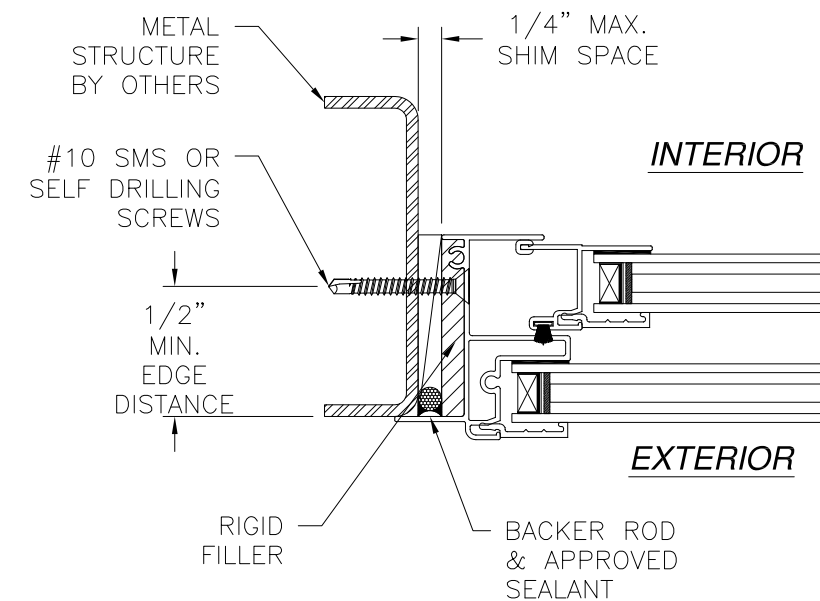
EXTERIOR



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 ANCHOR SPACING & CHARTS	07/11/16	R.L.
B	REVISED GLASS	10/02/17	R.L.



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

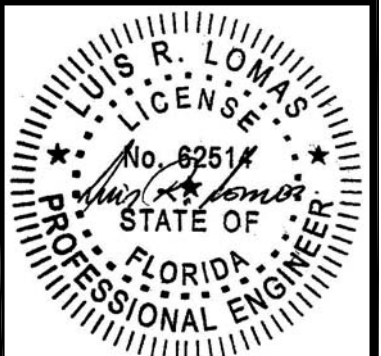
MI WINDOWS AND DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 185 ALUMINUM SINGLE HUNG WINDOW
52" X 84" NON-IMPACT
FLANGE INSTALLATION DETAILS WITH FILLERS

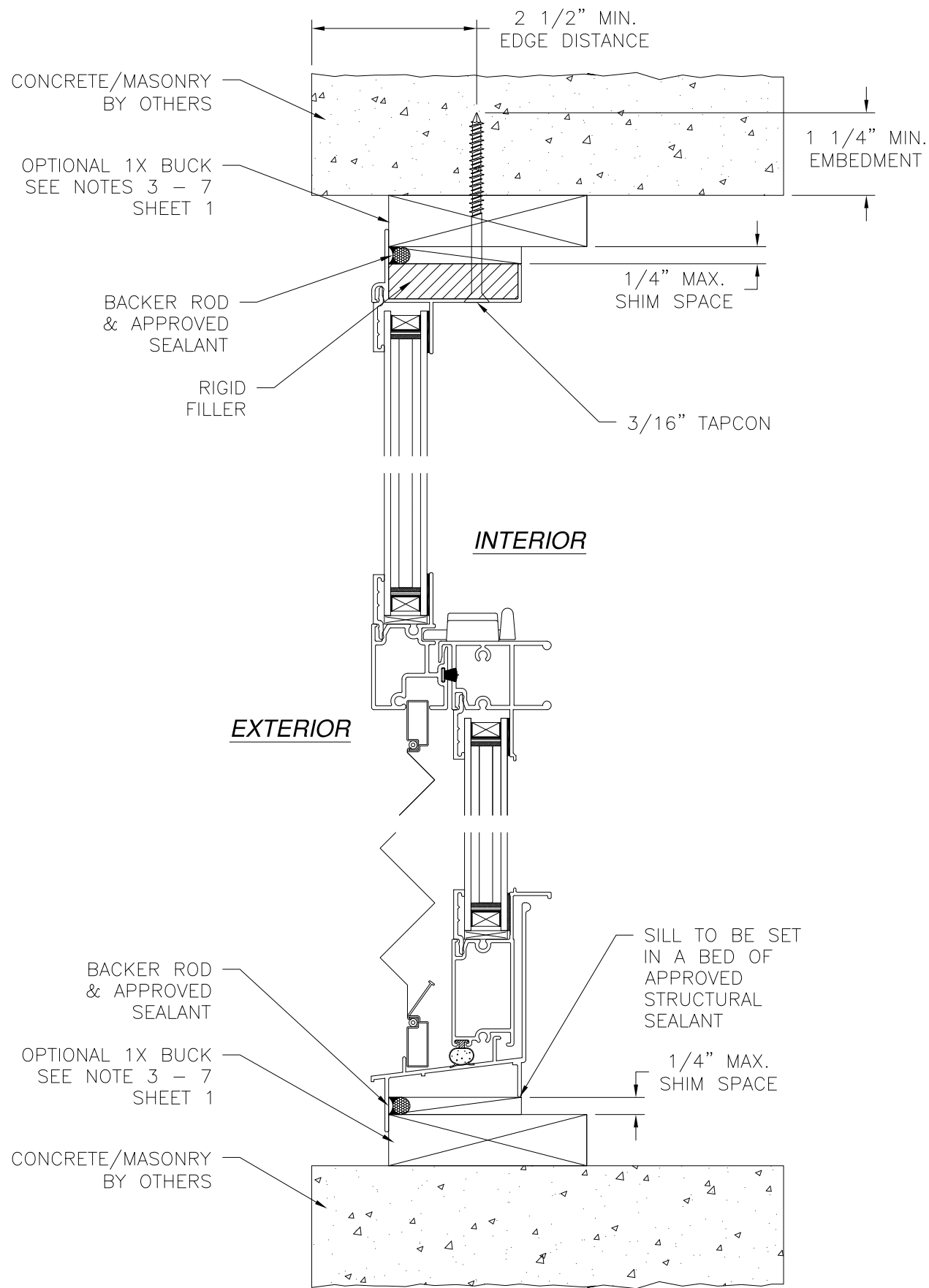
DRAWN: N.G.	DWG NO. 08-02546	REV B
SCALE NTS	DATE 12/09/2014	SHEET 9 OF 16

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

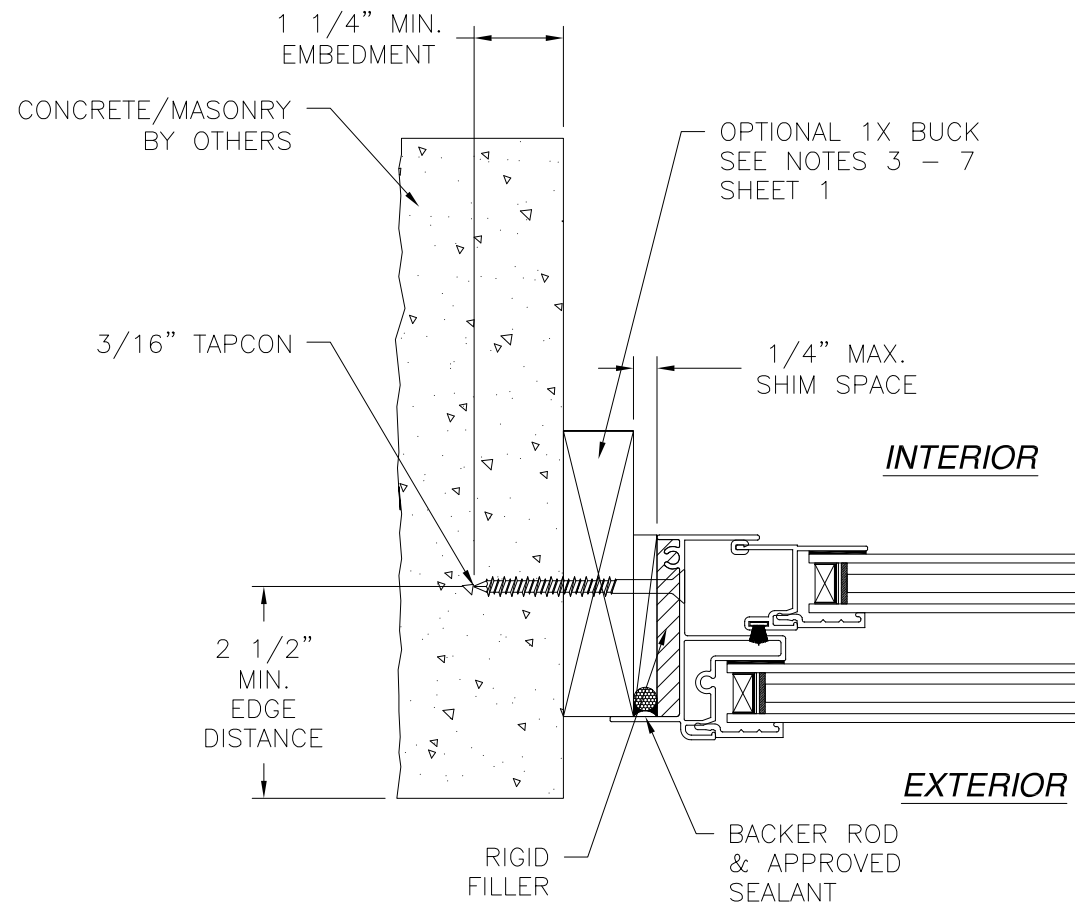
SIGNED: 02/27/2020



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



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



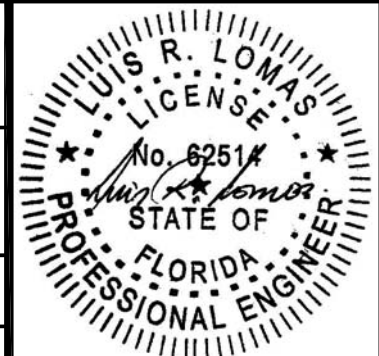
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

- 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

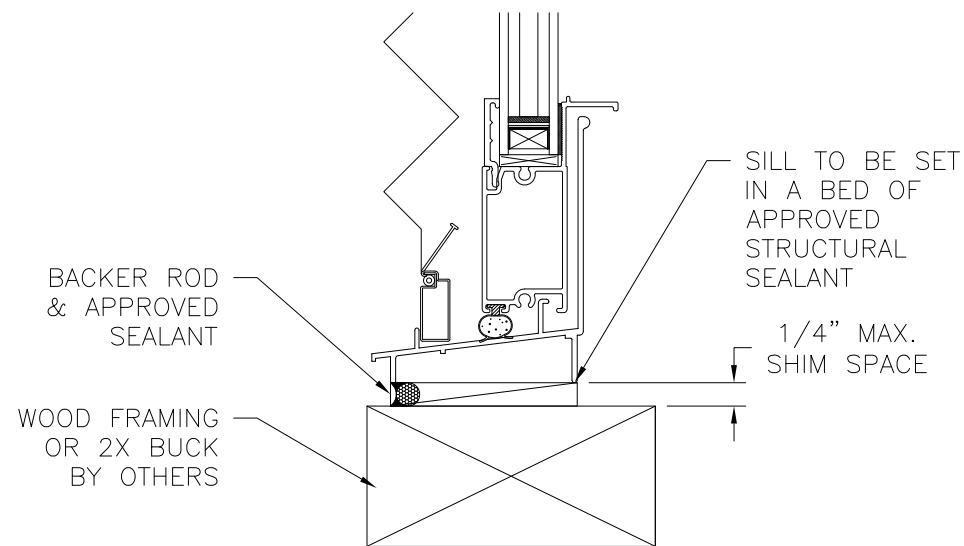
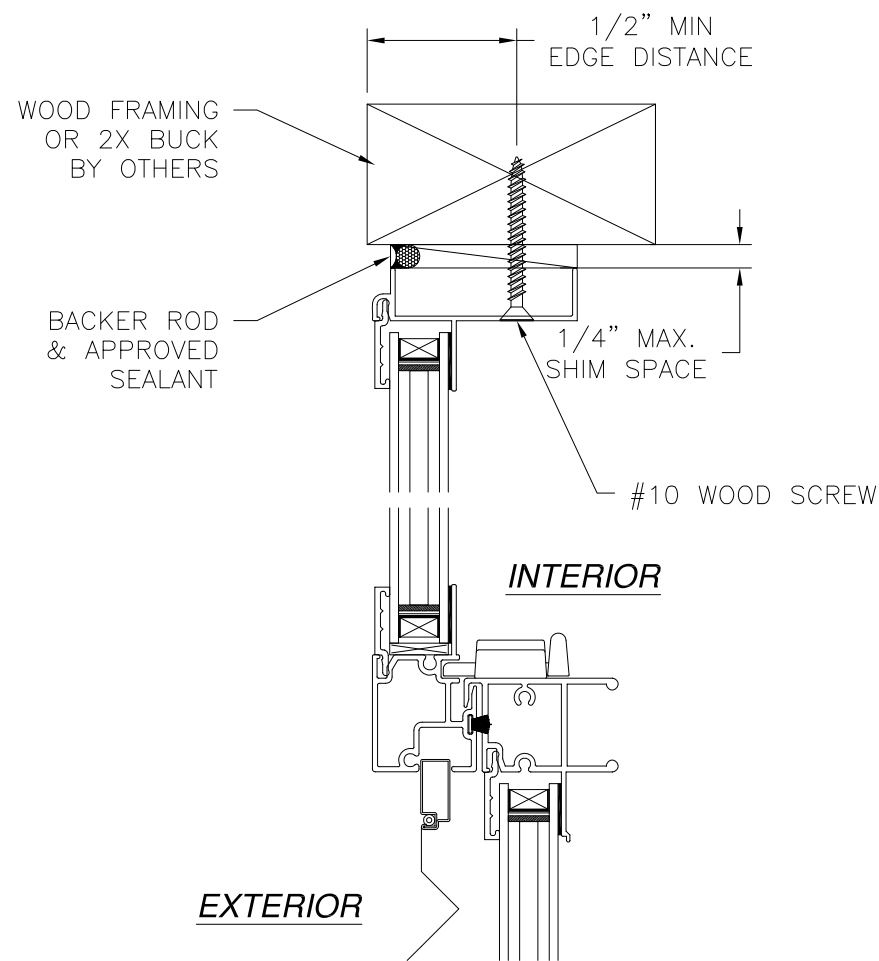
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHOR SPACING & CHARTS	07/11/16	R.L.
B	REVISED GLASS	10/02/17	R.L.

MI WINDOWS AND DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 185 ALUMINUM SINGLE HUNG WINDOW 52" X 84" NON-IMPACT FLANGE INSTALLATION DETAILS WITH FILLER		
DRAWN: N.G.	DWG NO. 08-02546	REV B
SCALE NTS	DATE 12/09/2014	SHEET 10 OF 16
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 02/27/2020

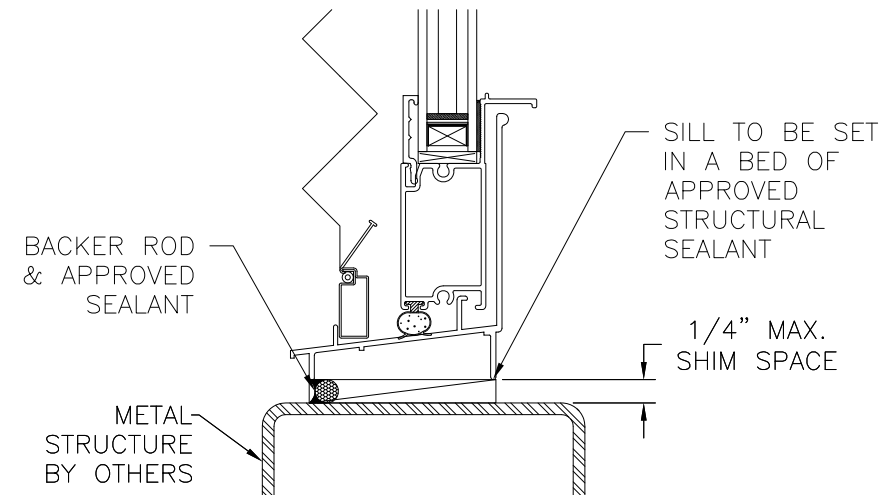
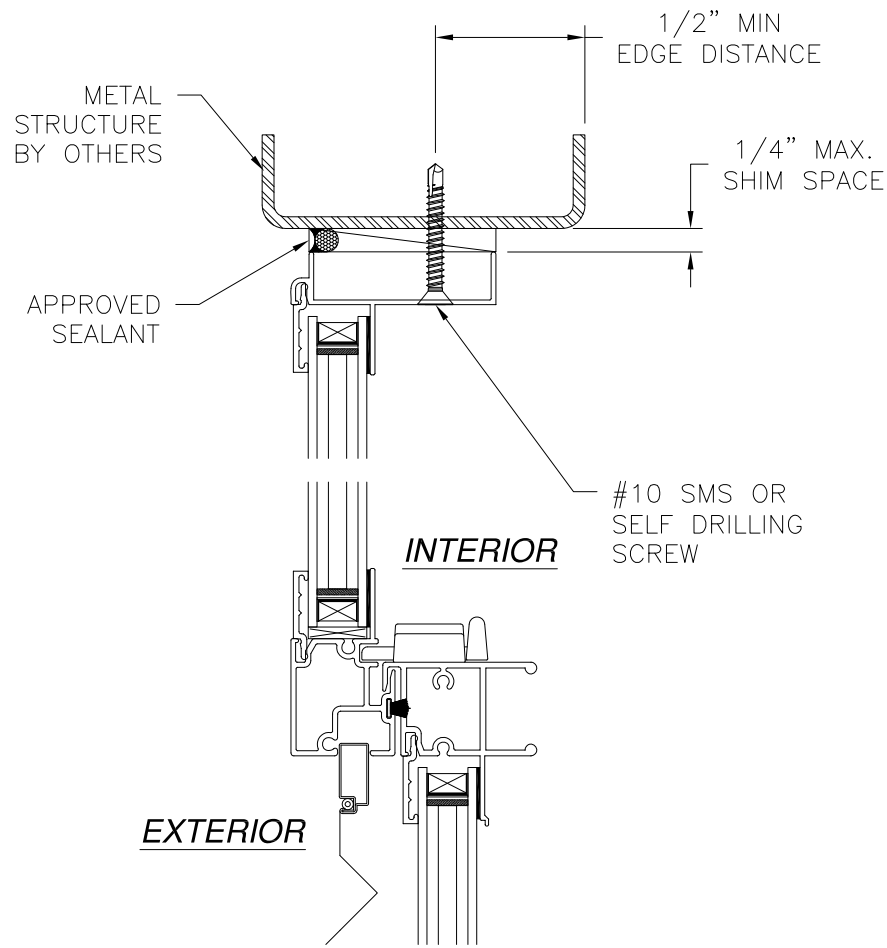


Luis R. Lomas P.E.
FL No.: 62514



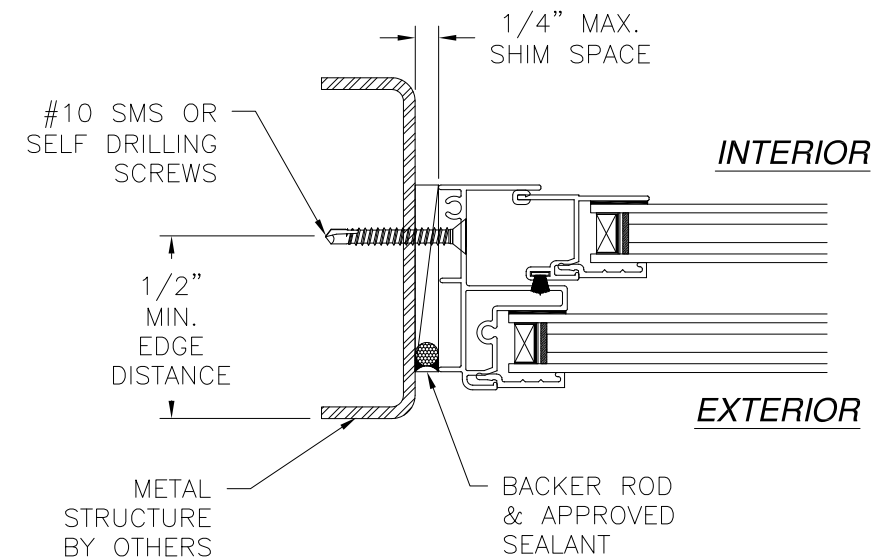
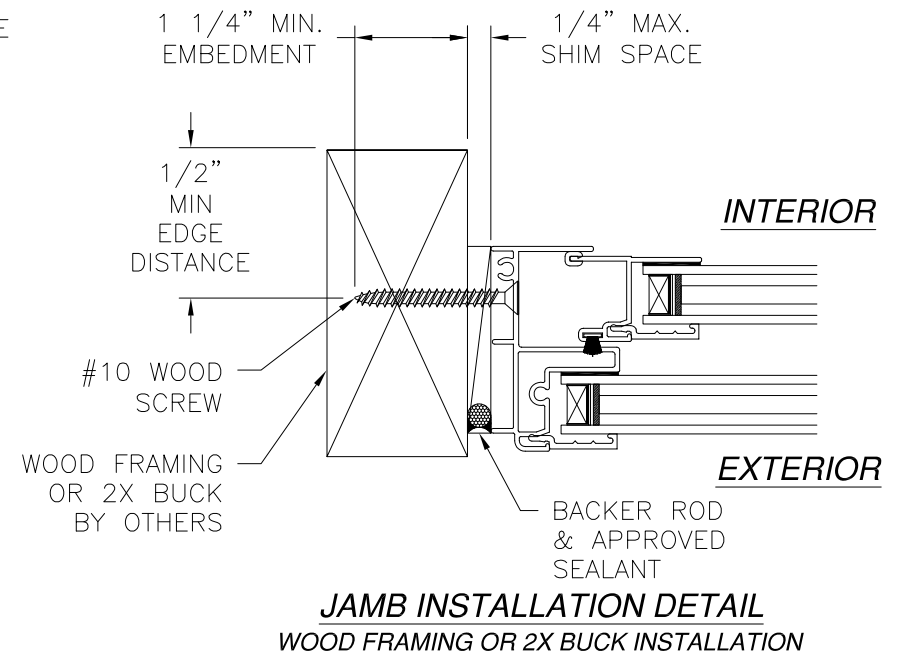
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHOR SPACING & CHARTS	07/11/16	R.L.
B	REVISED GLASS	10/02/17	R.L.



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

SIGNED: 02/27/2020

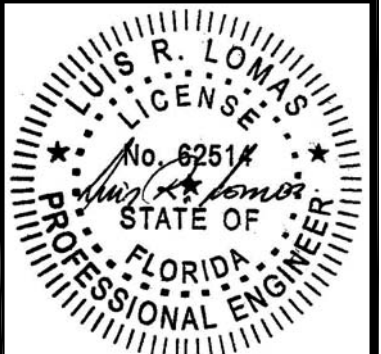
MI WINDOWS AND DOORS, LLC

650 WEST MARKET STREET
GRATZ, PA 17030-0370

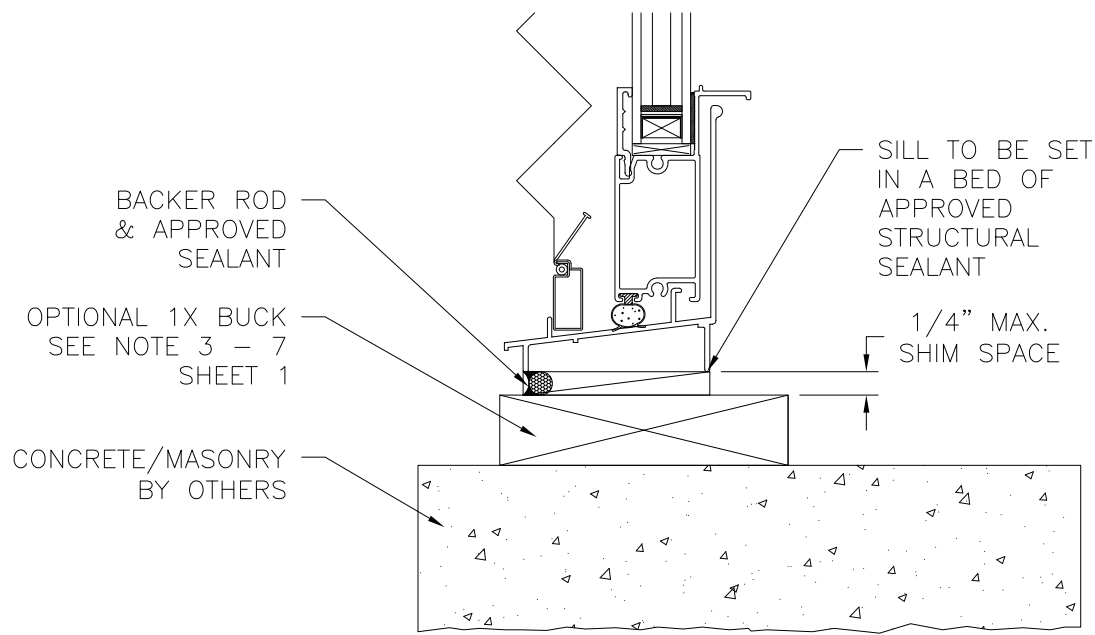
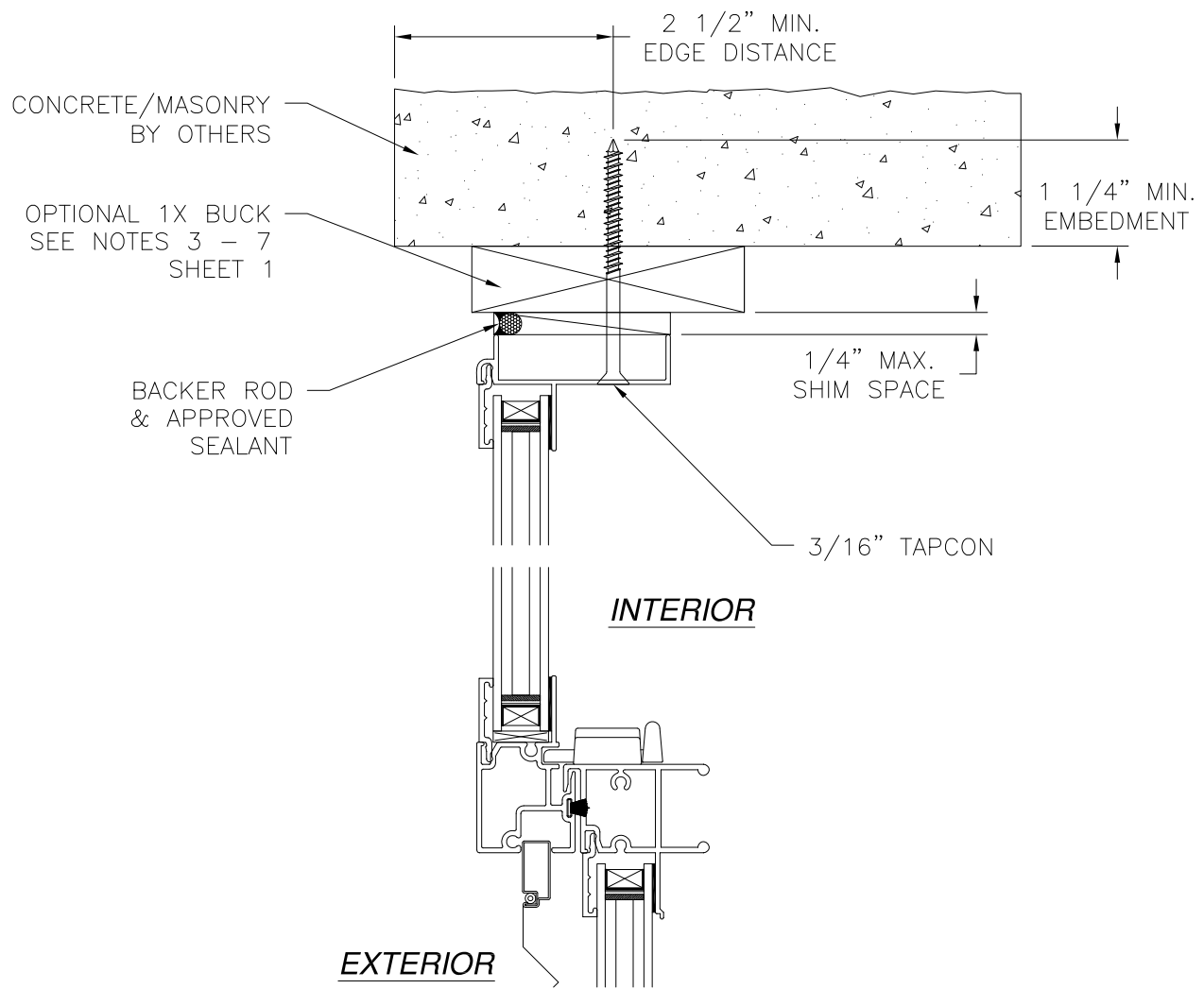
SERIES 185 ALUMINUM SINGLE HUNG WINDOW
52" X 84" NON-IMPACT
FINLESS INSTALLATION DETAILS WITHOUT FILLERS

DRAWN:	DWG NO.	REV
N.G.	08-02546	B
SCALE NTS	DATE 12/09/2014	SHEET 11 OF 16

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

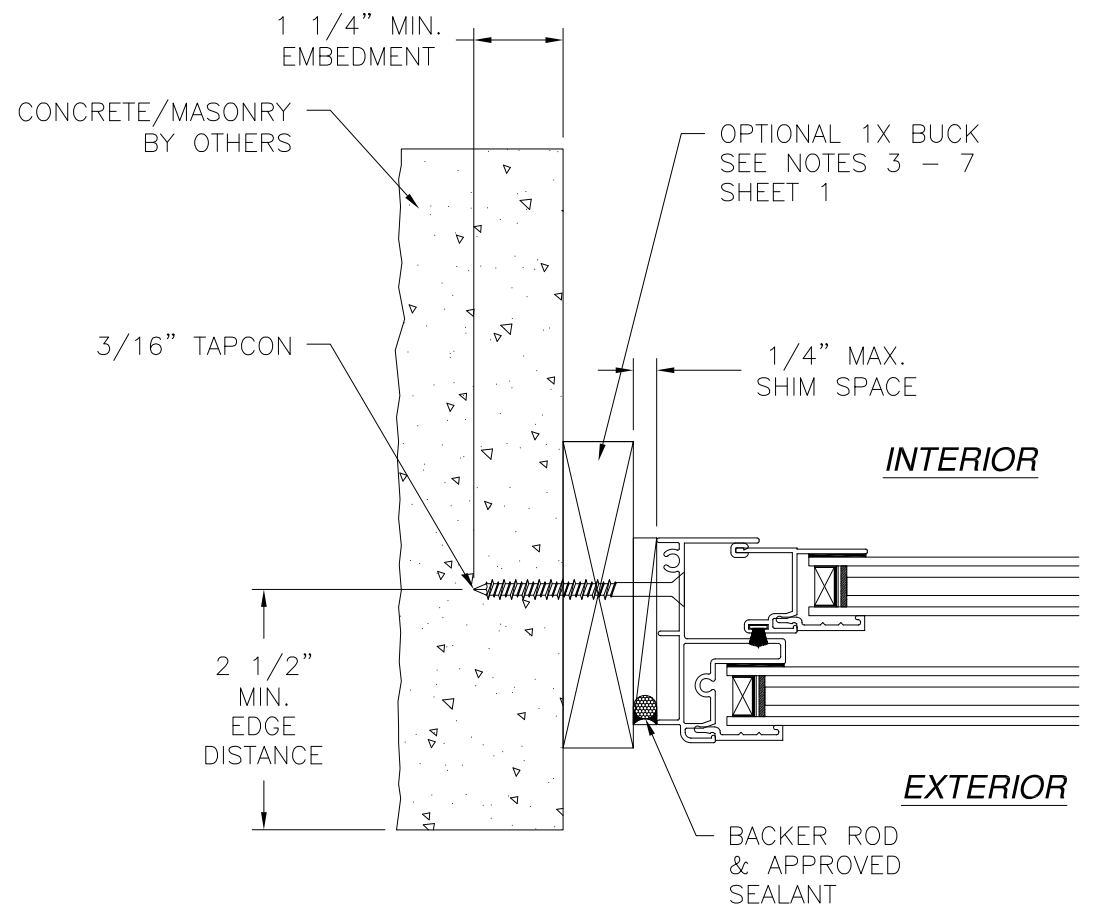


Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHOR SPACING & CHARTS	07/11/16	R.L.
B	REVISED GLASS	10/02/17	R.L.



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

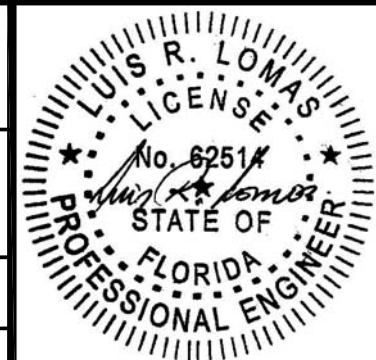
SIGNED: 02/27/2020

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

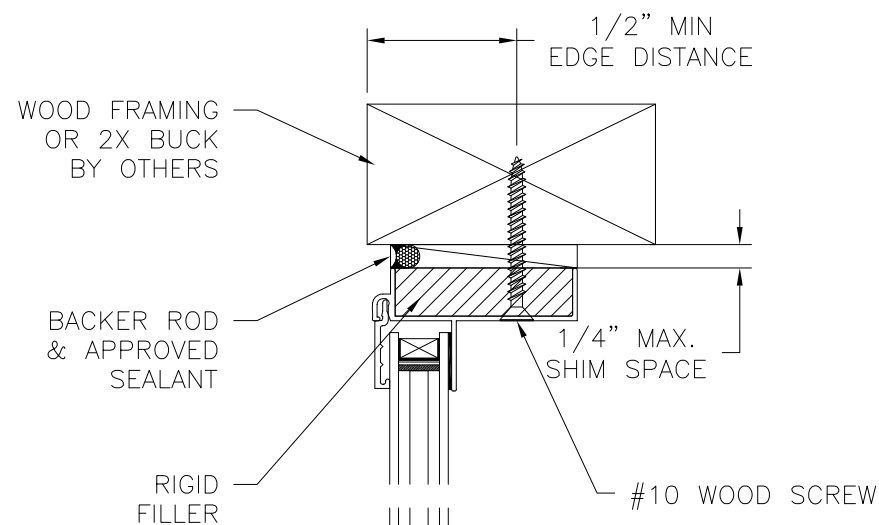
SERIES 185 ALUMINUM SINGLE HUNG WINDOW
52" X 84" NON-IMPACT
FINLESS INSTALLATION DETAILS WITHOUT FILLERS

DRAWN: N.G.	DWG NO. 08-02546	REV B
SCALE NTS	DATE 12/09/2014	SHEET 12 OF 16

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

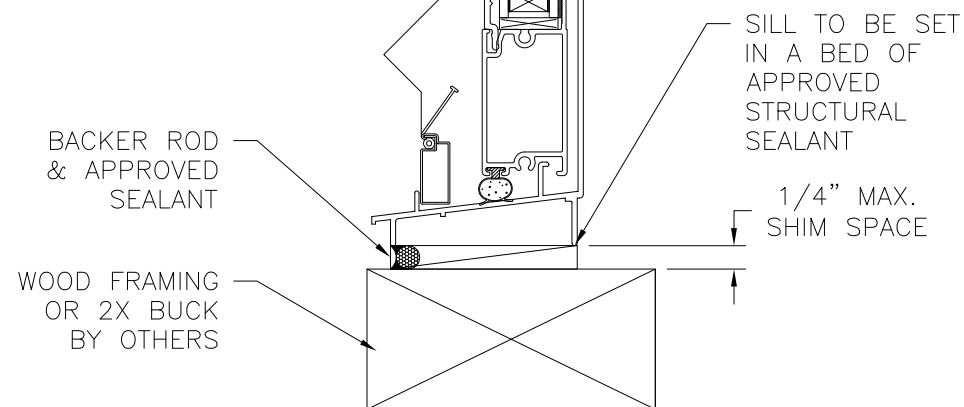


Luis R. Lomas P.E.
FL No.: 62514

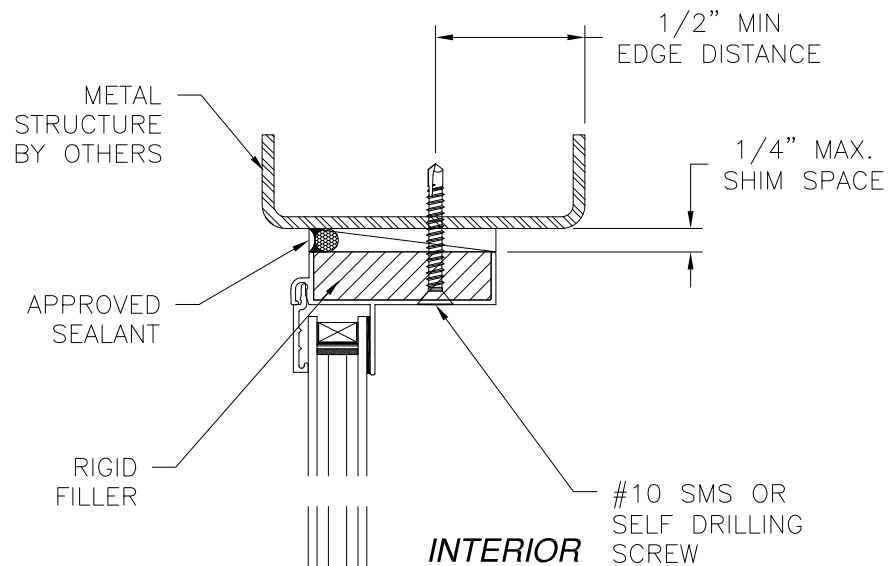


INTERIOR

EXTERIOR

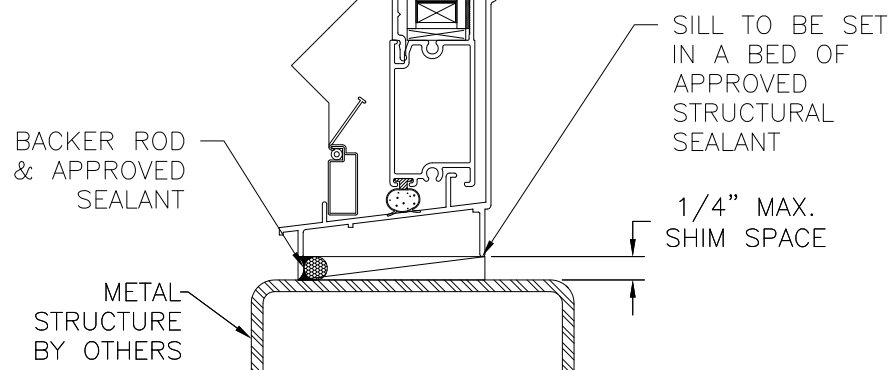


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



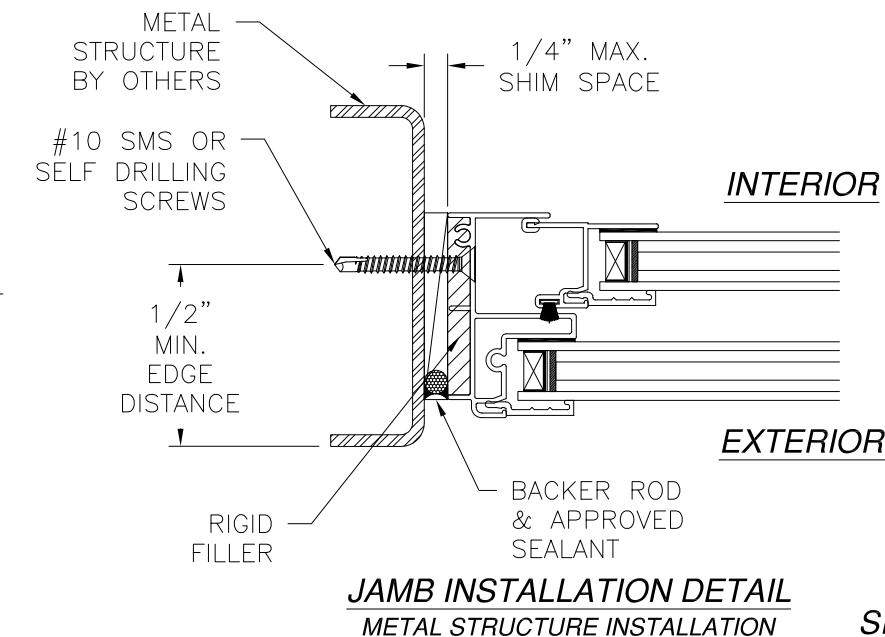
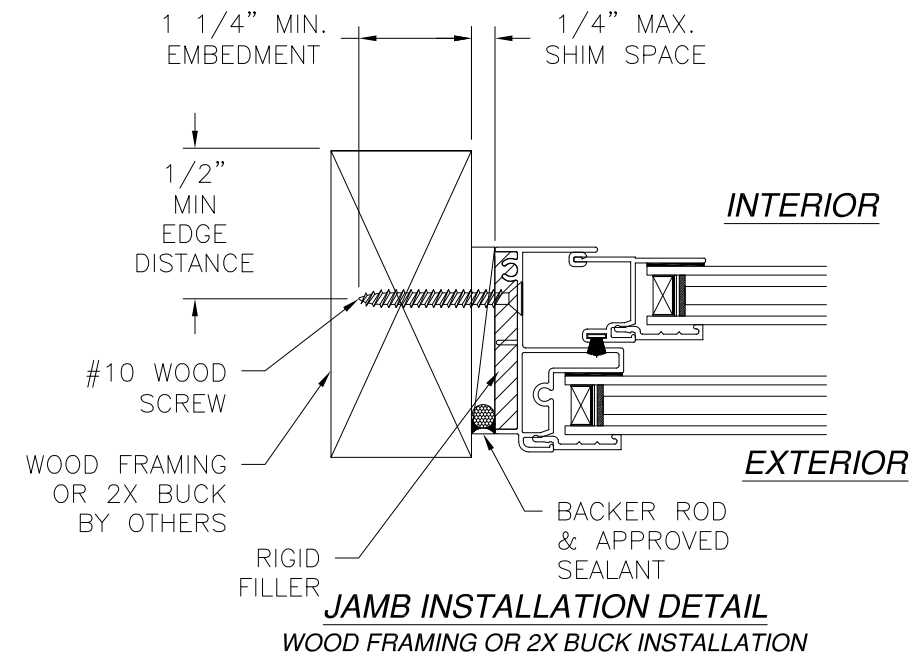
INTERIOR

EXTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHOR SPACING & CHARTS	07/11/16	R.L.
B	REVISED GLASS	10/02/17	R.L.



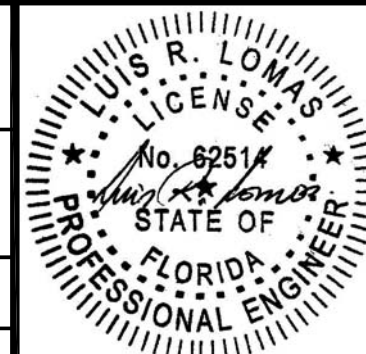
MI WINDOWS AND DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 185 ALUMINUM SINGLE HUNG WINDOW
52" X 84" NON-IMPACT
FINLESS INSTALLATION DETAILS WITH FILLERS

DRAWN: N.G.	DWG NO. 08-02546	REV B
SCALE NTS	DATE 12/09/2014	SHEET 13 OF 16

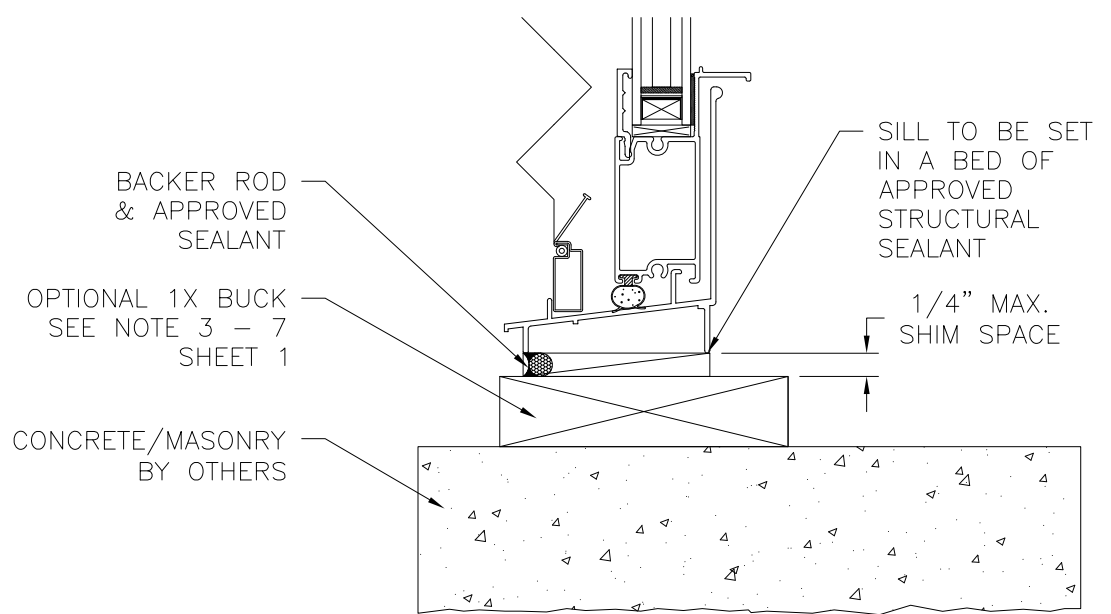
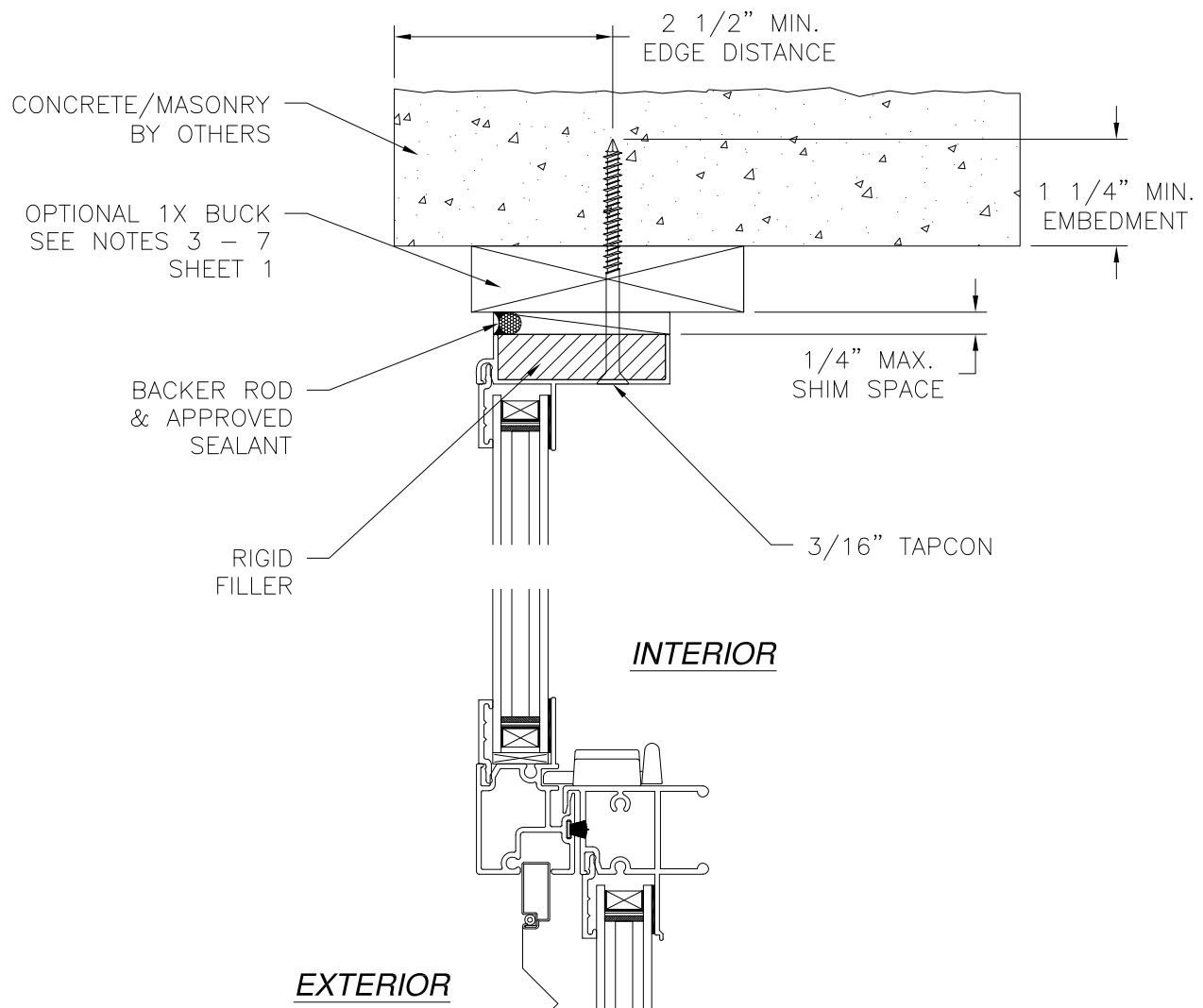
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 02/27/2020

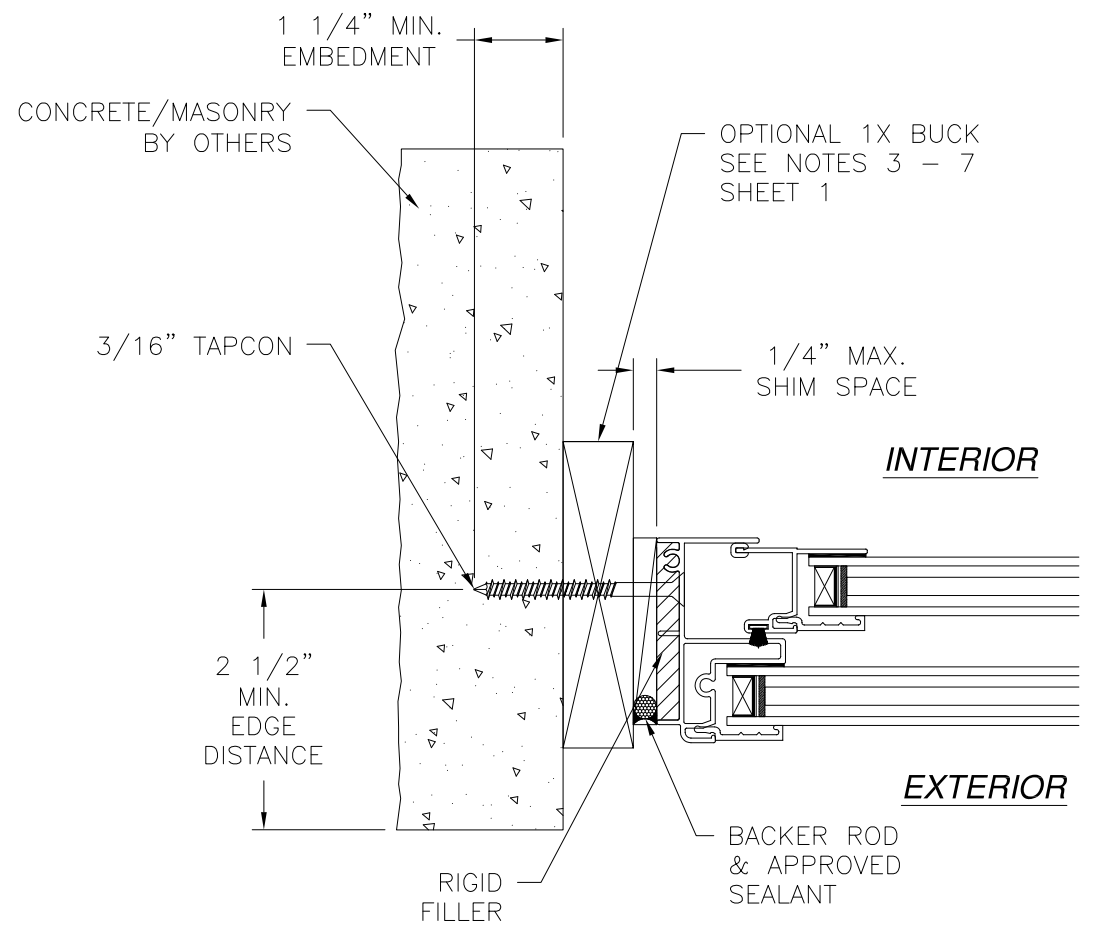


Luis R. Lomas P.E.
FL No.: 62514

- NOTES:
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

NOTES:
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHOR SPACING & CHARTS	07/11/16	R.L.
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MI WINDOWS AND DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

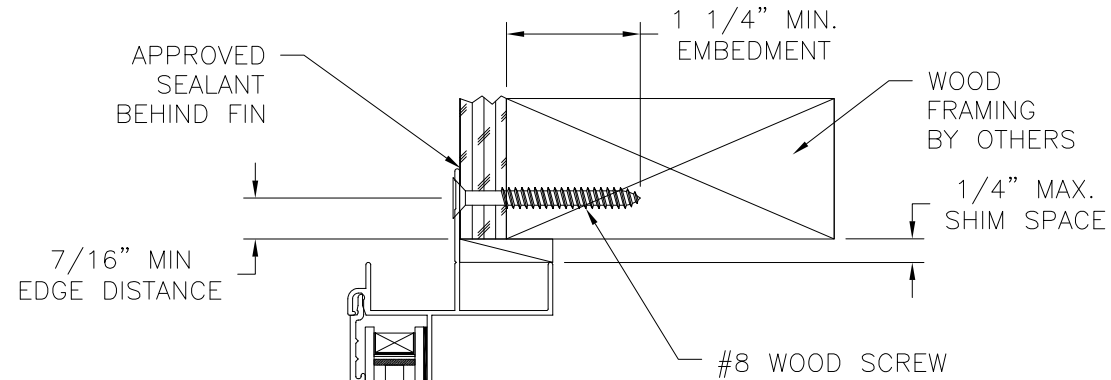
SERIES 185 ALUMINUM SINGLE HUNG WINDOW
52" X 84" NON-IMPACT
FINLESS INSTALLATION DETAILS WITH FILLERS

DRAWN: N.G.	DWG NO. 08-02546	REV B
SCALE NTS	DATE 12/09/2014	SHEET 14 OF 16

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

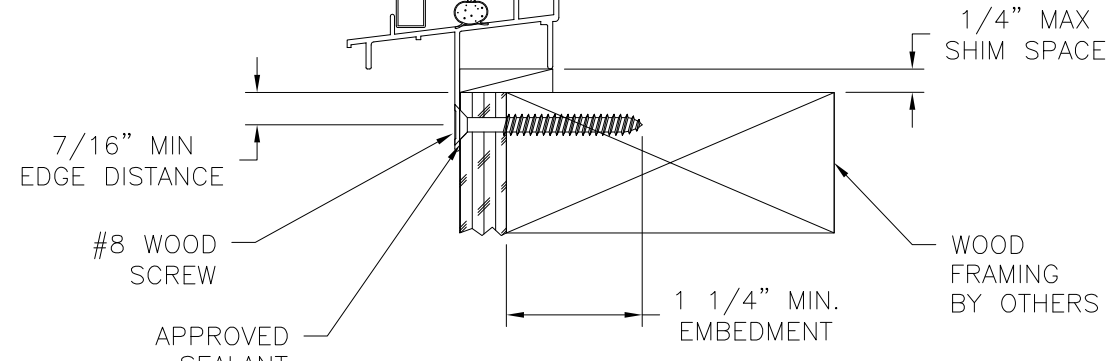
SIGNED: 02/27/2020

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



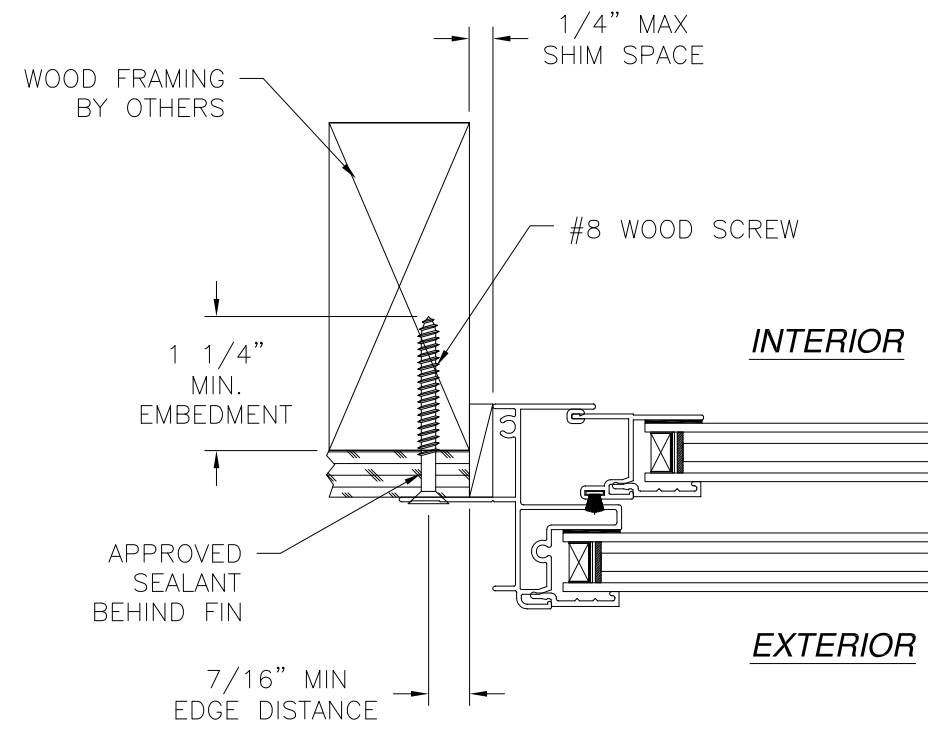
INTERIOR

EXTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHOR SPACING & CHARTS	07/11/16	R.L.
B	REVISED GLASS	10/02/17	R.L.



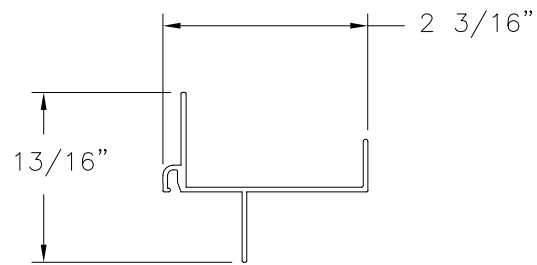
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

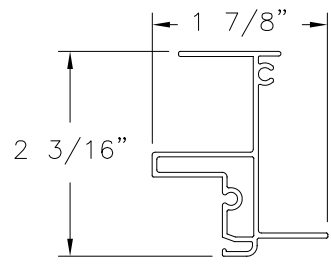
SIGNED: 02/27/2020

MI WINDOWS AND DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 185 ALUMINUM SINGLE HUNG WINDOW 52" X 84" NON-IMPACT FIN INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02546	REV B
SCALE NTS	DATE 12/09/2014	SHEET 15 OF 16
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

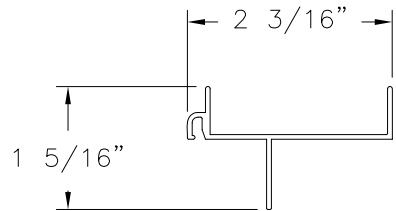
Luis R. Lomas P.E.
FL No.: 62514



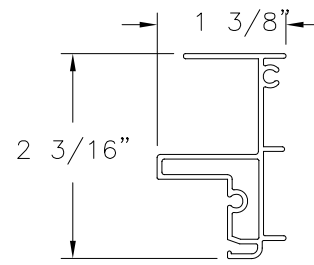
FLANGE FRAME HEAD
CM-18501
ALUMINUM 6063-T5 .050" THICK



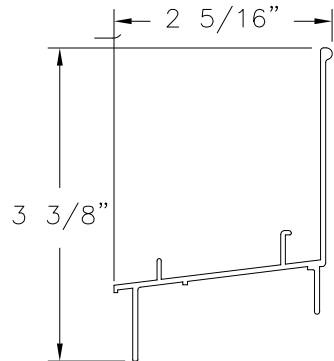
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CM-18503
ALUMINUM 6063-T5 .050" THICK



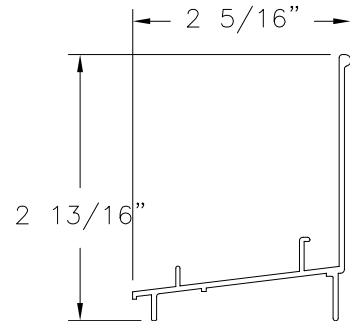
FINLESS FRAME HEAD
CM-18553
ALUMINUM 6063-T5 .050" THICK



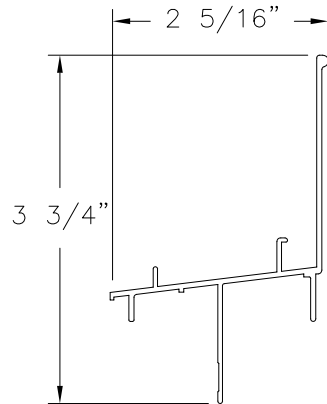
FINLESS FRAME JAMB
CM-18513
ALUMINUM 6063-T5 .050" THICK



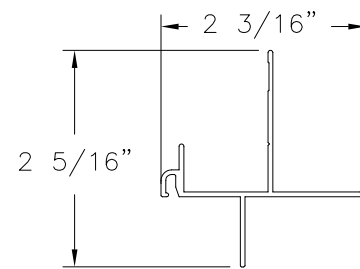
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ALUMINUM 6063-T5 .055" THICK



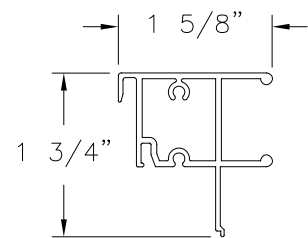
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CM-18554
ALUMINUM 6063-T5 .055" THICK



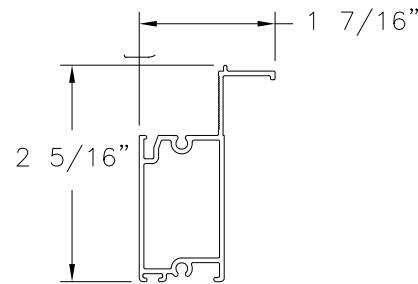
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ALUMINUM 6063-T5 .055" THICK



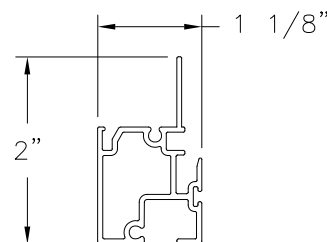
FIN FRAME HEAD
CM-18508
ALUMINUM 6063-T5 .050" THICK



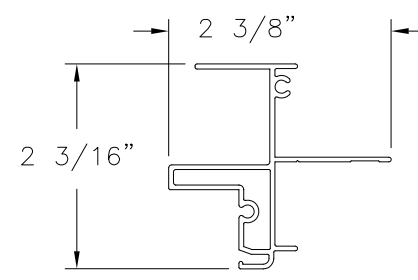
LOCK RAIL/STILE
CM-18505
ALUMINUM 6063-T5 .062" THICK



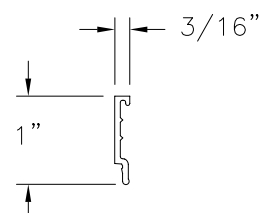
SASH BOTTOM RAIL
CM-18555
ALUMINUM 6063-T5 .050" THICK



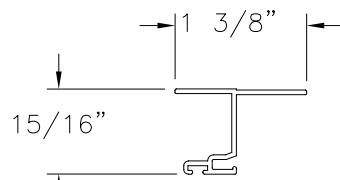
MEETING RAIL
CM-18504
ALUMINUM 6063-T5 .055" THICK



FIN FRAME JAMB
CM-18510
ALUMINUM 6063-T5 .050" THICK

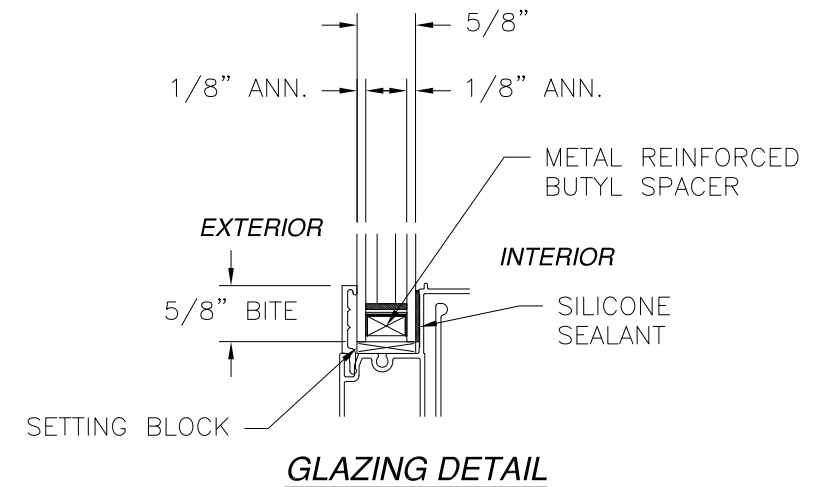


GLAZING BEAD
V-663
RIGID PVC .060" THICK



SASH STILE
CM-18507
ALUMINUM 6063-T5 .050" THICK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED ANCHOR SPACING & CHARTS	07/11/16	R.L.
B	REVISED GLASS	10/02/17	R.L.



SIGNED: 02/27/2020

MI WINDOWS AND DOORS, LLC

650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 185 ALUMINUM SINGLE HUNG WINDOW
52" X 84" NON-IMPACT
COMPONENTS

DRAWN:
N.G.

DWG NO.
08-02546

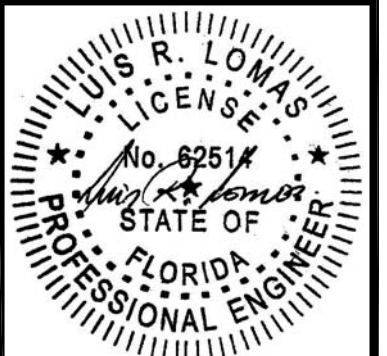
REV
B

SCALE NTS

DATE 12/09/2014

SHEET 16 OF 16

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



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