NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IBC AND THE 2006 IRC WITH STATE OF TEXAS MODIFICATIONS AND WITH THE 2009 IBC, 2009 IRC, 2012 IBC, 2012 IRC, 2015 IBC AND 2015 IRC.
- 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. 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 GLAZING DETAIL SHEET 10.
- 13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 14. 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.

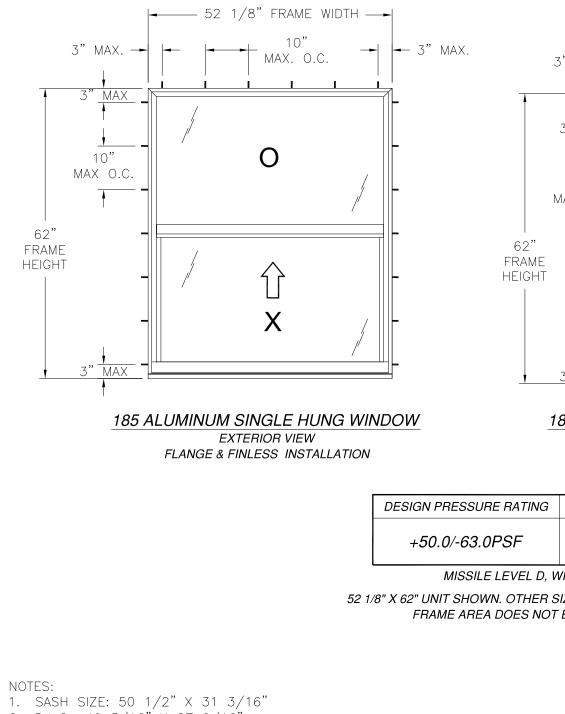
- 15. FOR ANCHORING THROUGH FIN INTO METAL STRUCTURE USE #6 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 16. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #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.
- 17. 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.
- 18. 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.
- 19. ALL FASTENERS TO BE CORROSION RESISTANT.
- 20. 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

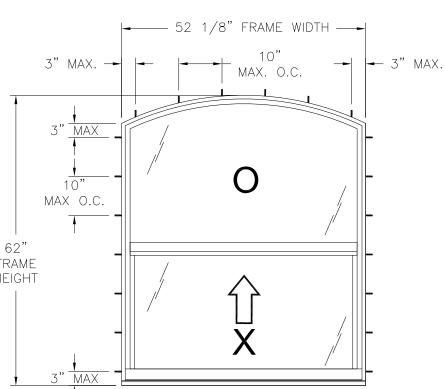
		MI WINDOW AND DOORS, LLC. 650 west market street gratz, pa 17030				
	TABLE OF CONTENTS	SERIES 185 ALUMINUM SINGLE HUNG WINDOV IMPACT 52" X 62" NOTES			OW	
SHEET NO.	DESCRIPTION	DRAWN:	DRAWN: DWG NO. A.R. 08-03390		REV	
1	NOTES	A.R.			-	
2 - 3	ELEVATIONS	SCALE NTS	DATE O	3/12/19	SHEET 1 OF 10	
4 - 9	INSTALLATION DETAILS		L. ROBERTO LOMAS P.E.			
10	COMPONENTS AND GLAZING DETAIL		—— 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rliomas@Irlomaspe.com			

REVISIONS		
DESCRIPTION	DATE	APPROVED

SIGNED: 03/26/2019







185 ALUMINUM SINGLE HUNG WINDOW DESIGNER EXTERIOR VIEW FLANGE & FINLESS INSTALLATION

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DESIGN PRESSURE RATING	IMPACT RATING	
+50.0/-63.0PSF	LARGE AND SMALL MISSILE IMPACT	

MISSILE LEVEL D, WIND ZONE 3

52 1/8" X 62" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS FRAME AREA DOES NOT EXCEED 22.44 FT²

NOTES:

2. D.L.O.: 49 5/16" X 27 9/16"

HARDWARE SCHEDULE A (1) MULTI-POINT LOCK WITH KEEPERS WITH HANDLE AT CENTER OF VENT BOTTOM RAIL (3) LOCK BUTTONS AT LOCK SLIDE BAR

MI WINDOW AN 650 WEST M GRATZ, SERIES 185 ALUMINUM IMPACT 5 FLANGE & FINL DWG NO. DRAWN: ^{SCALE} NTS DATE 03/12/1 L. ROBERTO 1432 WOODFORD RD 434-688-0609 rllomas@lrlomaspe.com

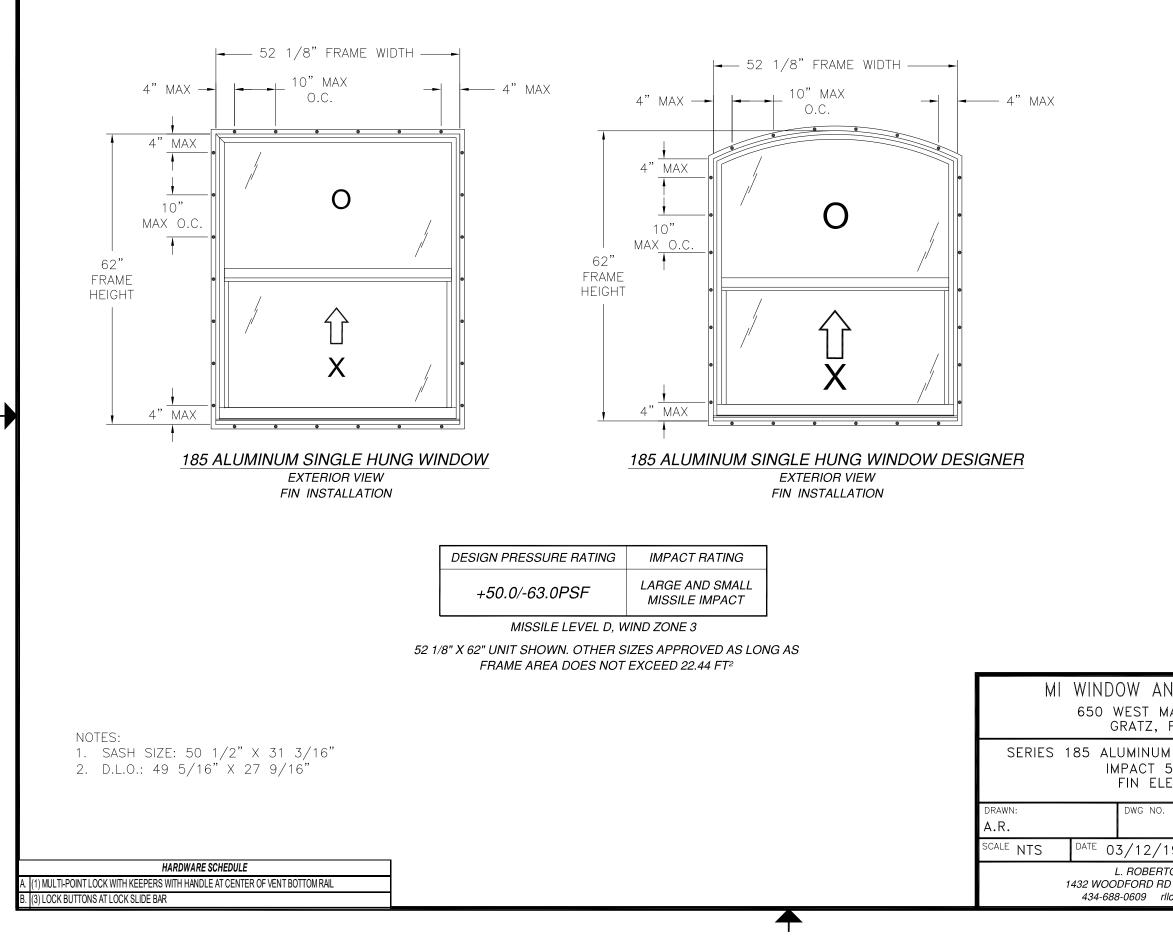
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ARKET STREET PA 17030					
1 SINGLE HUNG WINDOW 52" X 62" ESS ELEVATIONS					
REV					
08-03390 -					
9	SHEET 2 OF 10				
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SIGNED: 03/26/2019





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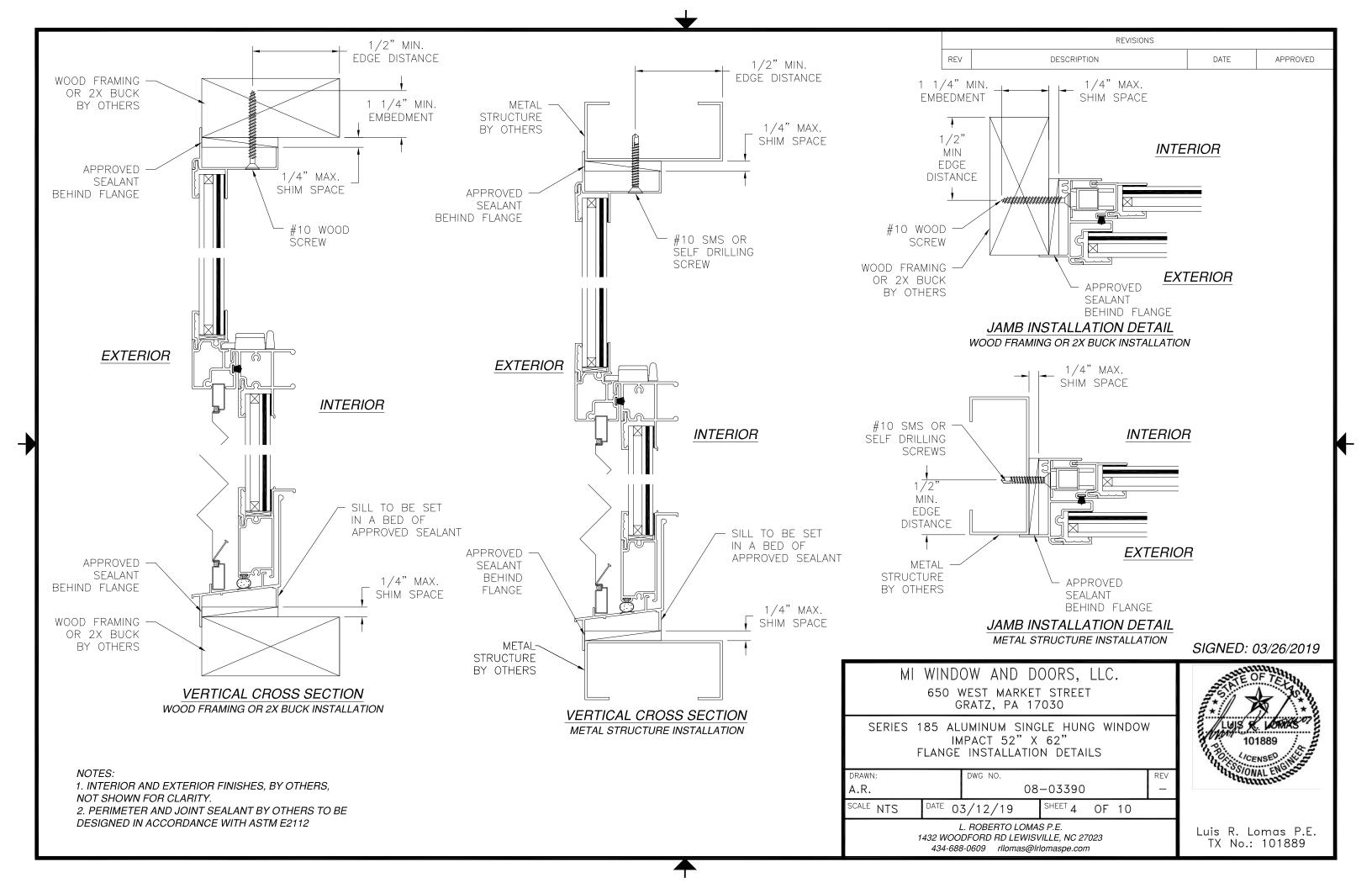
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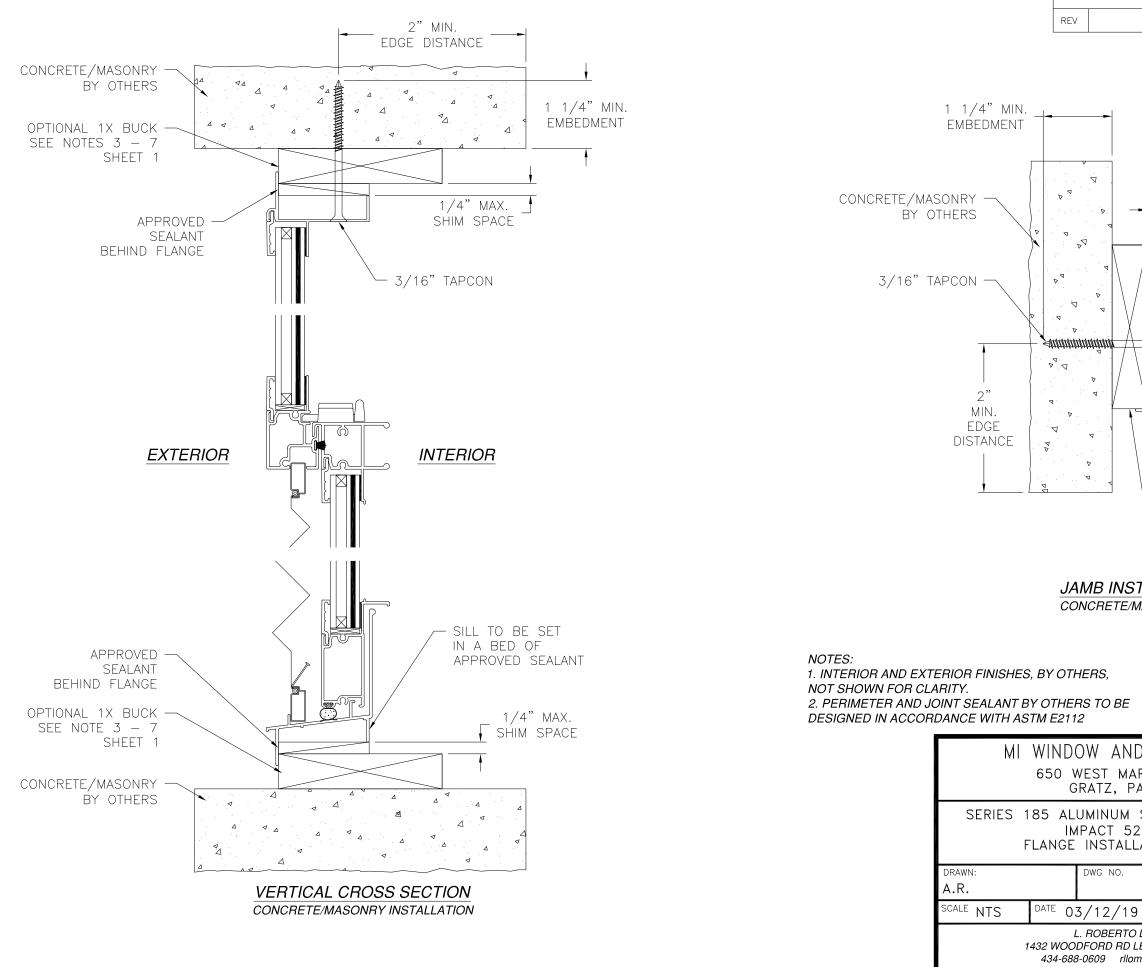
DOW AND DOORS, LLC.					
WEST MARKET STREET GRATZ, PA 17030					
LUMINUM SINGLE HUNG WINDOW IMPACT 52"X 62" FIN ELEVATIONS					
DWG NO.		REV			
08	-03390	—			
03/12/19 SHEET 3 OF 10					
L. ROBERTO LOMA	L. ROBERTO LOMAS P.E.				

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

SIGNED: 03/26/2019

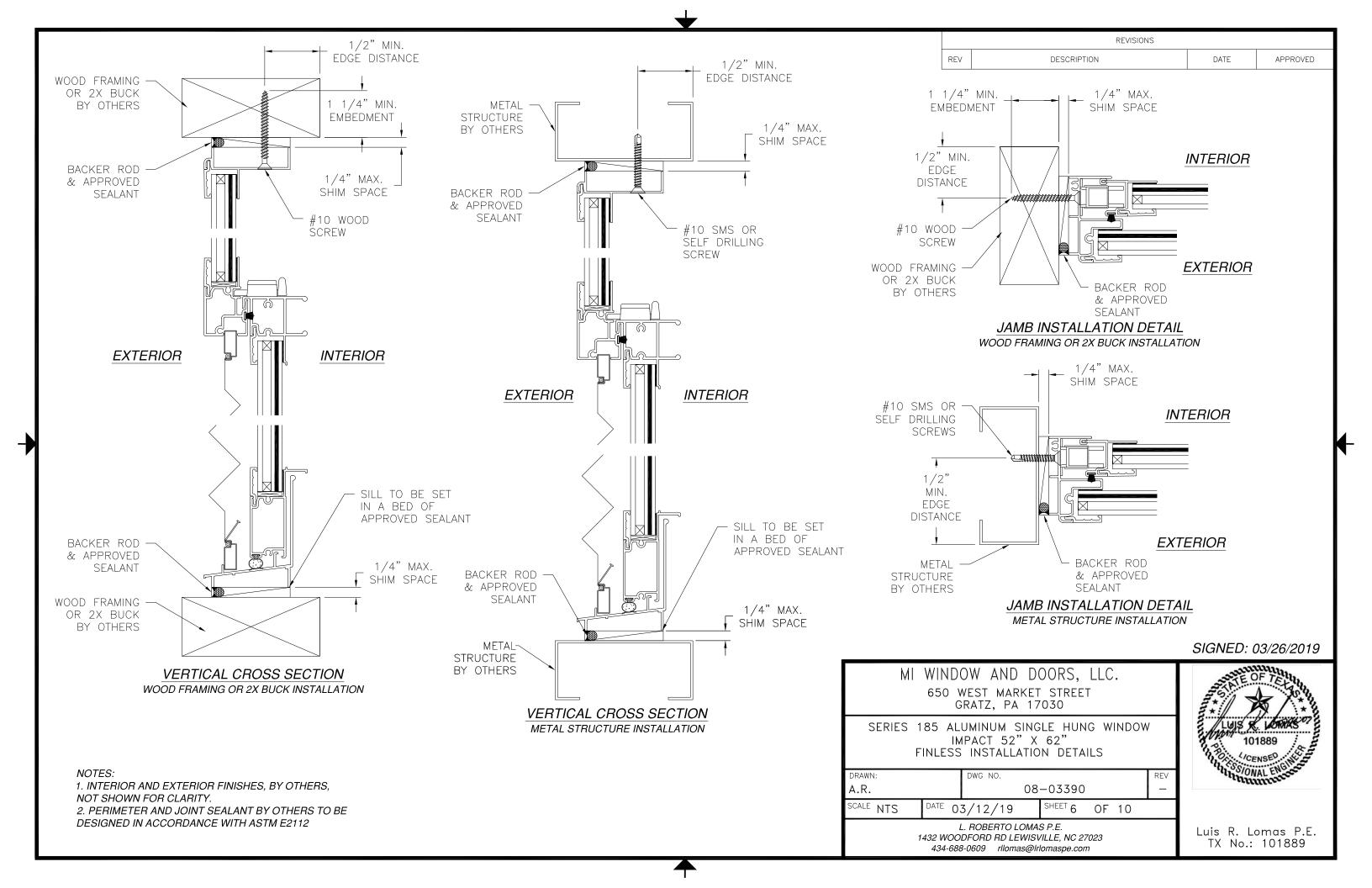


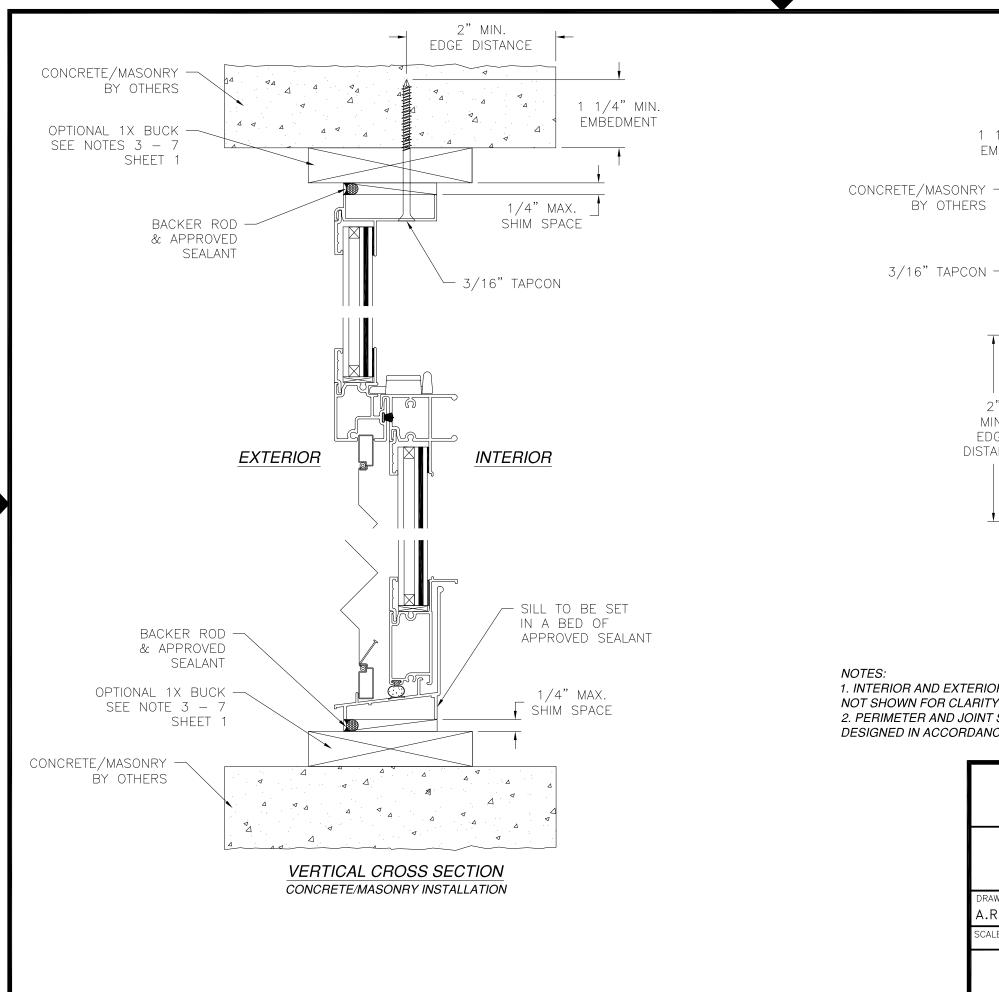




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Imasonry Installation SIGNED: 03/26/2019 ND DOORS, LLC. ARKET STREET PA 17030 SINGLE HUNG WINDOW 52" X 62" LATION DETAILS 08-03390 9 SHEET 5 OF 10 OLOMAS P.E. DLEWISVILLE, NC 27023	REVISIONS		
SHIM SPACE INTERIOR INTERIOR EXTERIOR APPROVED SEALANT BEHIND FLANGE OPTIONAL 1X BUCK SEE NOTES 3 – 7 SHEET 1 STALLATION DETAIL MASONRY INSTALLATION SIGNED: 03/26/2019 ND DOORS, LLC. ARKET STREET PA 17030 SINGLE HUNG WINDOW 32" X 62" LATION DETAILS 08–03390 SHEET 5 OF 10 OLOMAS P.E. LWIS R. Lomas P.E. LWIS R. Lomas P.E.	DESCRIPTION	DATE	APPROVED
ND DOORS, LLC. ARKET STREET PA 17030 SINGLE HUNG WINDOW 52" X 62" LATION DETAILS 08-03390 9 SHEET 5 OF 10 CLOMAS P.E. DLEWISVILLE, NC 27023 Luis R. Lomas P.E. TX No + 101889	SHIM SPACE INTERIC SEALANT BEHIND FLANGE OPTIONAL 1X BUCK SEE NOTES 3 - 7		
ARKET STREET PA 17030 SINGLE HUNG WINDOW 52" X 62" LATION DETAILS 08-03390 9 SHEET 5 OF 10 O LOMAS P.E. DLEWISVILLE, NC 27023 Luis R. Lomas P.E. TX No + 101889		SIGNED: ()3/26/2019
O LOMAS P.E. D LEWISVILLE, NC 27023 LUIS R. Lomas P.E.	52" X 62" LATION DETAILS 08-03390 -	2. 2.	187
	O LOMAS P.E. D LEWISVILLE, NC 27023 Comas@Irlomaspe.com	Luis R. Lo TX No.:	omas P.E. 101889





JAMB INSTA

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1 1/4" MIN.

EMBEDMENT

CONCRETE/MAS

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

T

2" MIN.

EDGE

DISTANCE



REVISIONS		
DESCRIPTION	DATE	APPROVED
1/4" MAX. SHIM SPACE		
INTERIOR	<u> </u>	
EXTERIO	R	
└── BACKER ROD & APPROVED SEALANT		
- OPTIONAL 1X BUCK		
SEE NOTES 3 – 7 Sheet 1		
LLATION DETAIL		
ONRY INSTALLATION		
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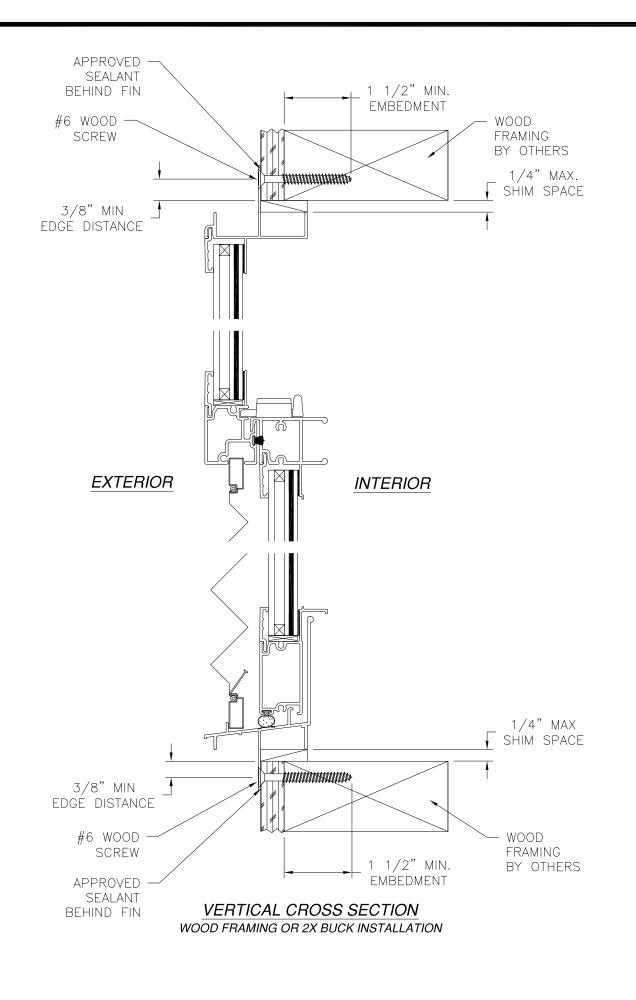
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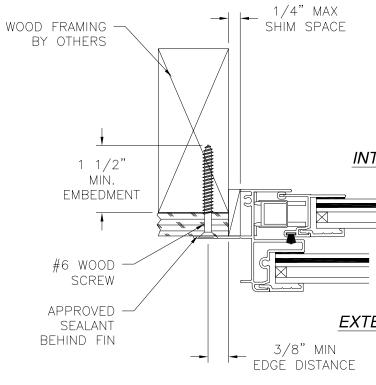
08-03390

SHEET 7 OF 10

1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com







JAMB INSTALLATION DETAIL WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:

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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 WINDOW AND DOORS, LLC. 650 west market street gratz, pa 17030						
SERIES 185 ALUMINUM SINGLE HUNG WINDOW IMPACT 52"X 62" FIN INSTALLATION DETAILS						
DRAWN:	DRAWN: DWG NO. REV					
A.R.	.R. 08–03390 –				—	
SCALE NTS	NTS DATE 03/12/19 SHEET 8 OF 10					
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com						

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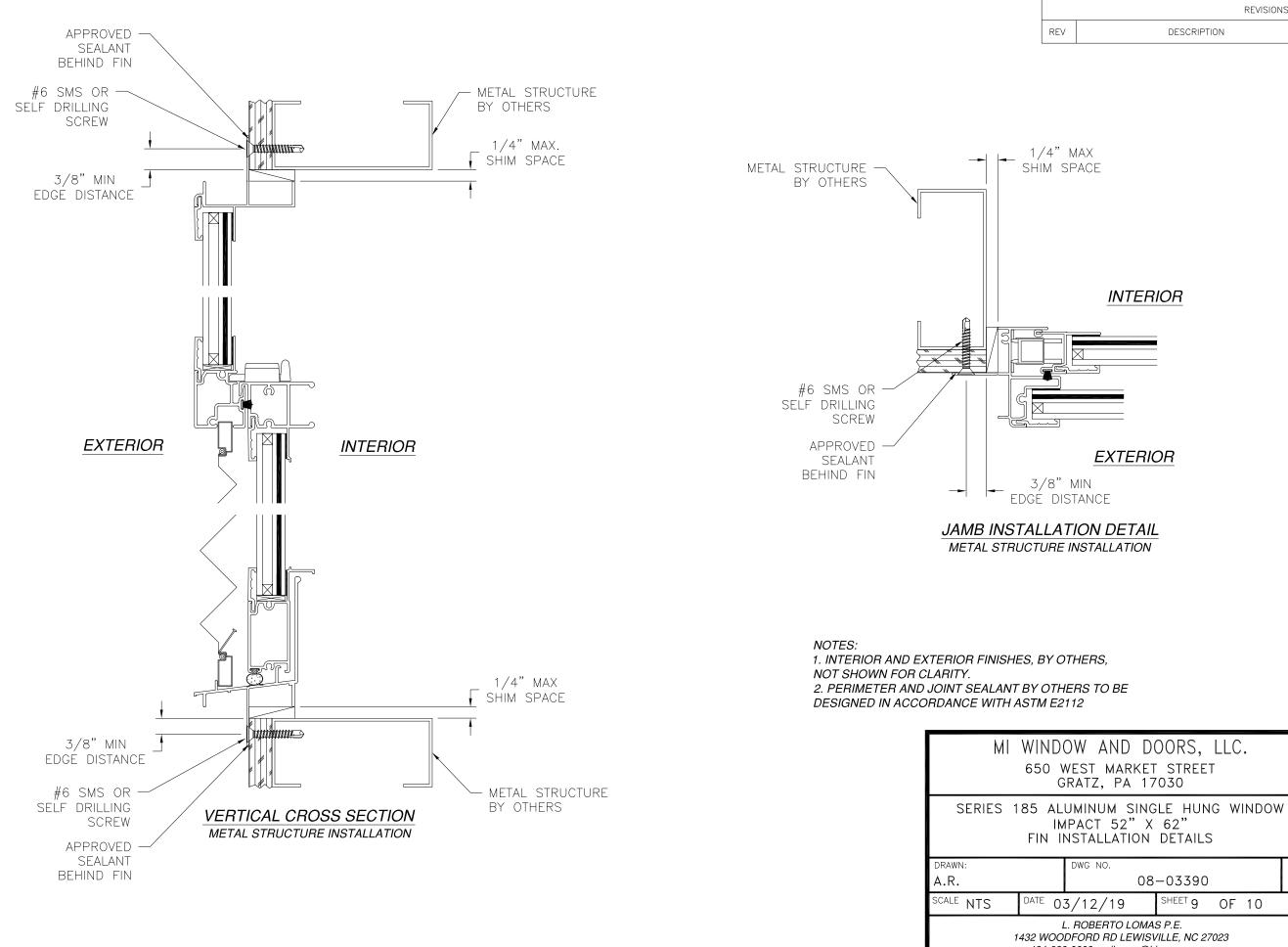
REVISIONS		
DESCRIPTION	DATE	APPROVED

INTERIOR

EXTERIOR

SIGNED: 03/26/2019





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DESCRIPTION	DATE	APPROVED

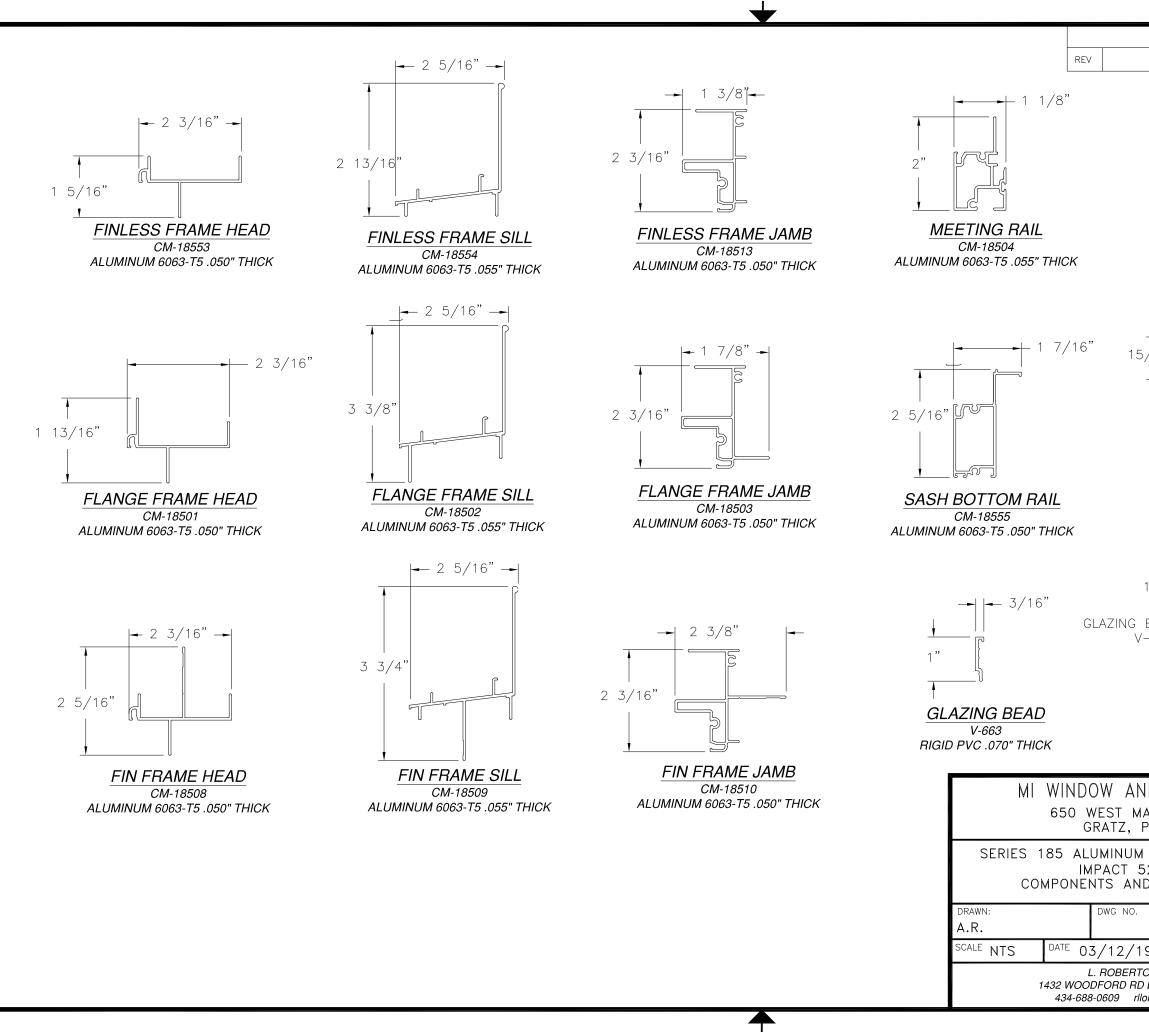
INTERIOR

EXTERIOR

REV 08-03390 _ SHEET 9 OF 10 434-688-0609 rllomas@lrlomaspe.com

SIGNED: 03/26/2019





REVISIONS		
DESCRIPTION	DATE	APPROVED
-+ 1 5/8" +- 1 3/4"		
5/8" 3/32" ANN 090" PVB	by eastman	
1/2" BITE	IUM YPE R SYSTEM ROVED	03/26/2019
D DOORS, LLC. ARKET STREET PA 17030 SINGLE HUNG WINDOW 2" X 62" D GLAZING DETAIL 08-03390	ALLESS	NSE ^O (NLC)
9 ^{SHEET} 10 OF 10 D LOMAS P.E. LEWISVILLE, NC 27023 omas@Irlomaspe.com		omas P.E. 101889