

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	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 RIGID PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 19 FOR GLASS DETAILS.
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 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

15. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE ROOFING NAILS (.105" Ø MINIMUM) 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 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 1/8" THICK MINIMUM

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ALL AMERICAN WINDOW COMPANY, LLC.  
1930 HANAHAN ROAD SUITE 1400A  
NORTH CHARLESTON, SC 29406

SERIES 1900 SINGLE HUNG WINDOW  
53" X 75" – LARGE & SMALL MISSILE IMPACT  
NOTES

DRAWN:  
A.R.

DWG NO.  
08-03177

REV  
C

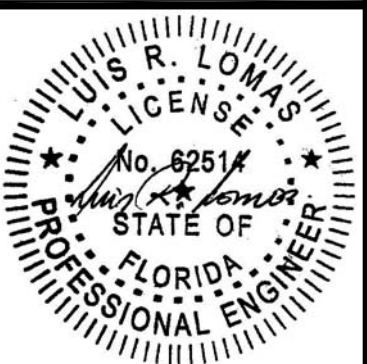
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07/17/18

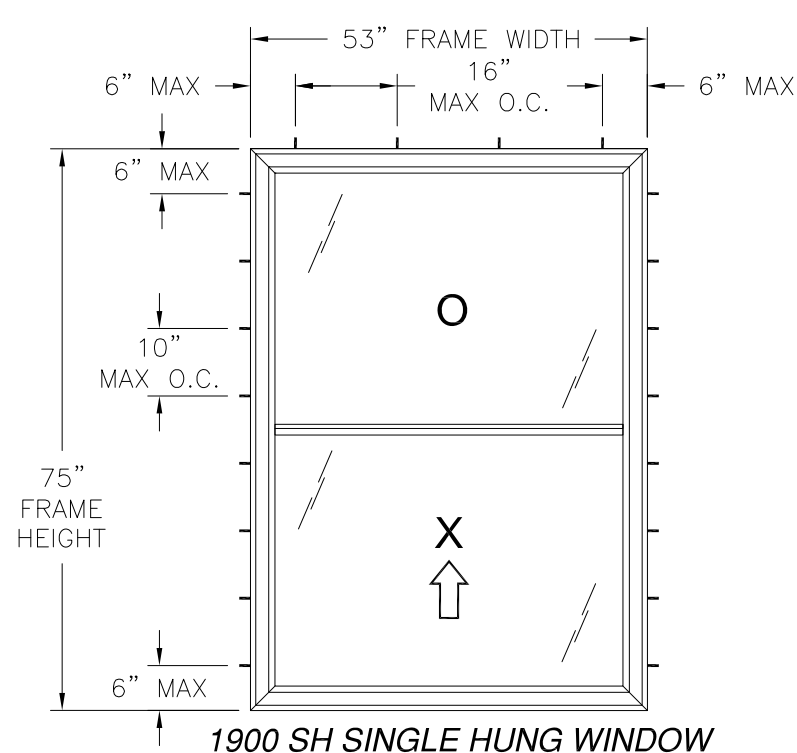
SHEET  
1 OF 19

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SIGNED: 11/11/2021



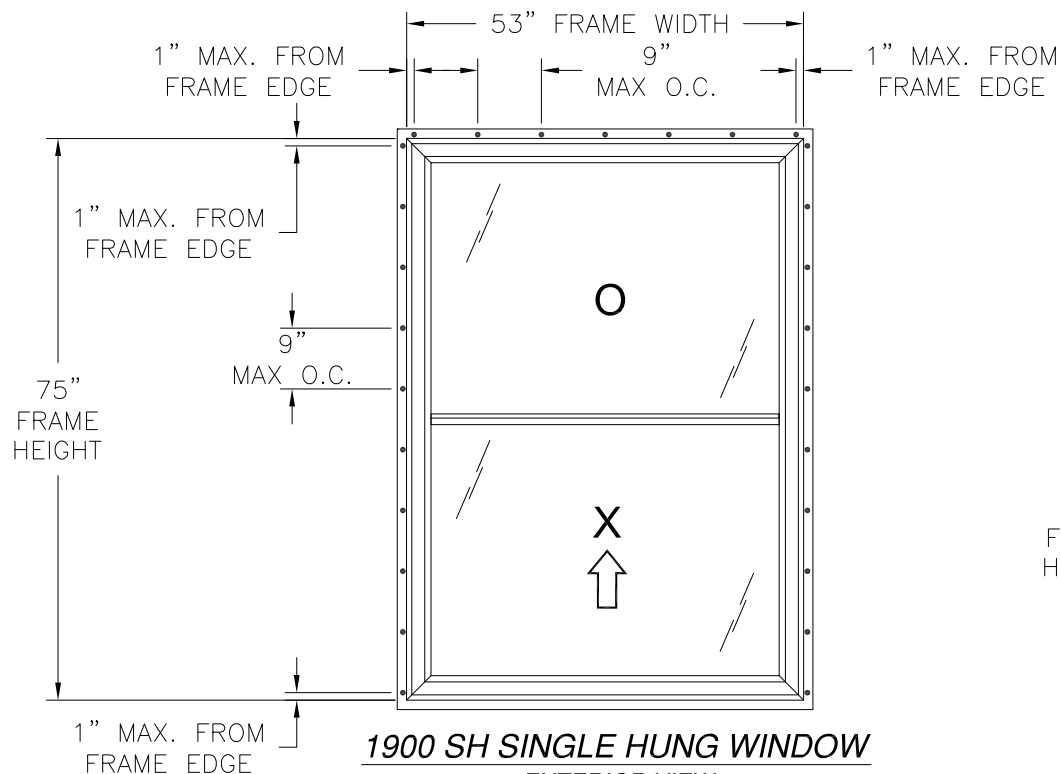
Luis R. Lomas P.E.  
FL No.: 62514



1900 SH SINGLE HUNG WINDOW

EXTERIOR VIEW  
FRAME INSTALLATION

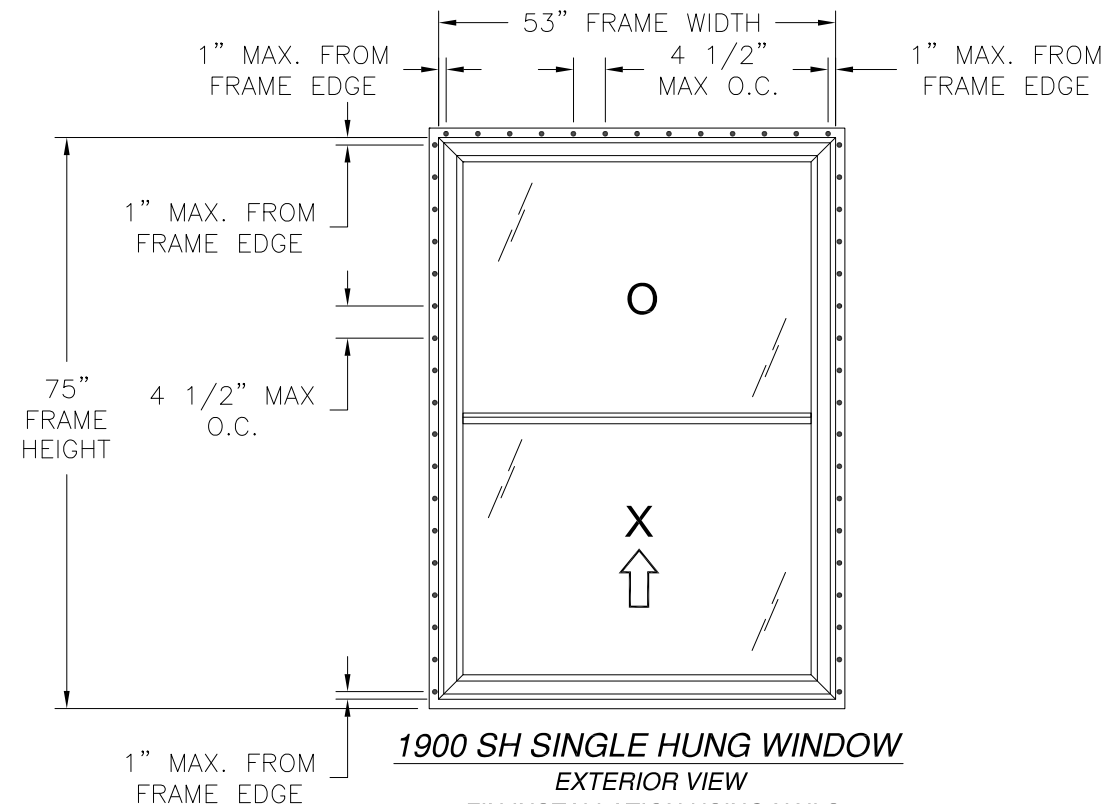
FOR OTHER UNIT SIZES SEE CHARTS IN SHEET 3 TO 5



1900 SH SINGLE HUNG WINDOW

EXTERIOR VIEW  
FIN INSTALLATION USING SCREWS

FOR OTHER UNIT SIZES SEE CHARTS IN SHEET 3 TO 5



1900 SH SINGLE HUNG WINDOW

EXTERIOR VIEW  
FIN INSTALLATION USING NAILS

FOR OTHER UNIT SIZES SEE CHARTS IN SHEET 3 TO 5

NOTES:

1. SASH SIZE: 51" X 37 1/2"
2. D.L.O.: 47" X 34"

53" X 75" UNIT SHOWN. OTHER SIZES ARE APPROVED AS LONG AS  
FRAME AREA DOES NOT EXCEED 27.6 FT<sup>2</sup>

WITHOUT SILL RISER, GLASS A

DP RATING	IMPACT RATING
+40.0/-65.0PSF	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #1, SHEET 3

WITH / WITHOUT SILL RISER, GLASS A

DP RATING	IMPACT RATING
+50.0/-65.0PSF	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #2, SHEET 3

WITH SILL RISER, GLASS A

DP RATING	IMPACT RATING
+50.0/-65.0PSF	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #3, SHEET 3

WITHOUT SILL RISER, GLASS B

DP RATING	IMPACT RATING
+40.0/-42.2PSF	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #4, SHEET 3

WITH / WITHOUT SILL RISER, GLASS B

DP RATING	IMPACT RATING
+42.2/-42.2PSF	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #5, SHEET 4

WITH SILL RISER, GLASS B

DP RATING	IMPACT RATING
+42.2/-42.2PSF	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #6, SHEET 4

FRAME B WITHOUT SILL RISER, GLASS A

DP RATING	IMPACT RATING
±40.0PSF	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #7, SHEET 4

FRAME B WITH / WITHOUT SILL RISER, GLASS A

DP RATING	IMPACT RATING
±40.0PSF	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #8, SHEET 4

FRAME B WITH SILL RISER, GLASS A

DP RATING	IMPACT RATING
±40.0PFS	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #9, SHEET 5

FRAME B WITHOUT SILL RISER, GLASS B

DP RATING	IMPACT RATING
±40.0PSF	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #10, SHEET 5

FRAME B WITH / WITHOUT SILL RISER, GLASS B

DP RATING	IMPACT RATING
±40.0PSF	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #11, SHEET 5

FRAME B WITH SILL RISER, GLASS B

DP RATING	IMPACT RATING
±40.0PSF	LARGE & SMALL MISSILE

WHERE WATER PENETRATION RESISTANCE IS REQUIRED  
FOR ADDITIONAL SIZES SEE CHART #12, SHEET 5

HARDWARE SCHEDULE

A.	(1) CONSTANT FORCE BALANCE SYSTEM, AT FRAME JAMBS
B.	(1) CAM LOCK, AT ACTIVE SASH MEETING RAIL
C.	(1) CAM LOCK KEEP, AT FIXED MEETING RAIL
D.	ALUMINUM REINFORCEMENT, AT FIXED MEETING RAIL
E.	ALUMINUM REINFORCEMENT, AT ACTIVE SASH MEETING AIL
F.	ALUMINUM REINFORCEMENT, AT ACTIVE SASH BOTTOM RAIL AND SIDE RAIL
G.	ALUMINUM REINFORCEMENT, AT ACTIVE SASH BOTTOM RAIL

ALL AMERICAN WINDOW COMPANY, LLC.

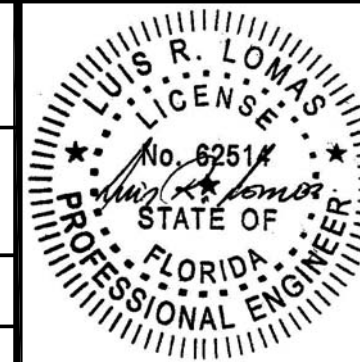
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SERIES 1900 SINGLE HUNG WINDOW  
53" X 75" - LARGE & SMALL MISSILE IMPACT  
ELEVATIONS

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SCALE NTS	DATE 07/17/18	SHEET 2 OF 19

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SIGNED: 11/11/2021



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**Chart #1, without Sill Riser, with glass A**  
**Where water penetration resistance is required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.00		30.00		36.00		42.00		48.00		53.00		60.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0
30.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0
36.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0
42.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0
48.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	60.5
54.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	54.7
60.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	38.7	50.2
66.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	35.9	46.7
72.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	-	-
75.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	-	-
78.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	-	-	-	-
84.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	-	-	-	-	-	-
90.0	40.0	65.0	40.0	65.0	40.0	65.0	40.0	65.0	-	-	-	-	-	-
96.0	40.0	65.0	40.0	65.0	40.0	65.0	-	-	-	-	-	-	-	-
102.0	40.0	65.0	40.0	65.0	40.0	65.0	-	-	-	-	-	-	-	-

**Chart #2, with or without Sill Riser, with glass A**  
**Where water penetration resistance is not required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.00		30.00		36.00		42.00		48.00		53.00		60.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0
30.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0
36.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0
42.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0
48.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	46.5	60.5
54.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	42.1	54.7
60.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	38.7	50.2
66.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	35.9	46.7
72.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-
75.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-
78.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-	-	-
84.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-	-	-	-	-
90.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-	-	-	-	-
96.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-	-	-	-	-	-	-
102.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-	-	-	-	-	-	-

**Chart #3, with 5/8" Sill Riser, with glass A**  
**Where water penetration resistance is required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.00		30.00		36.00		42.00		48.00		53.00		60.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0
30.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0
36.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0
42.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0
48.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	46.5	60.5
54.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	42.1	54.7
60.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	38.7	50.2
66.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	35.9	46.7
72.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-
75.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-
78.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-	-	-
84.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-	-	-	-	-
90.0	50.0	65.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-	-	-	-	-
96.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-	-	-	-	-	-	-
102.0	50.0	65.0	50.0	65.0	50.0	65.0	-	-	-	-	-	-	-	-

**Chart #4, without Sill Riser, with glass B**  
**Where water penetration resistance is required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.0		30.0		36.0		42.0		48.0		53.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0
30.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0
36.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0
42.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0
48.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0
54.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0
60.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	47.1
66.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	48.6	42.3
72.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	49.4	40.0	44.1	-
75.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	47.2	40.0	42.2	-
78.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	45.2	-	-	-	-
84.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	48.6	-	-	-	-	-	-
90.0	40.0	50.0	40.0	50.0	40.0	50.0	40.0	45.1	-	-	-	-	-	-
96.0	40.0	50.0	40.0	50.0	40.0	50.0	-	-	-	-	-	-	-	-
102.0	40.0	50.0	40.0	50.0	40.0	47.3	-	-	-	-	-	-	-	-

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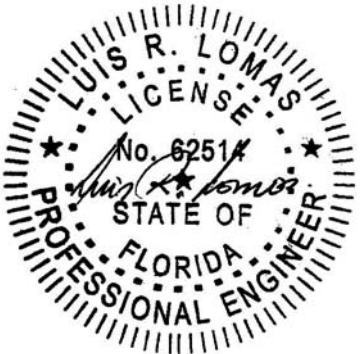
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**Chart #5, with or without Sill Riser, with glass B**  
**Where water penetration resistance is not required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.0		30.0		36.0		42.0		48.0		53.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.1	47.1
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.6	48.6	42.3	42.3
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	49.4	44.1	44.1	-	-
75.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.2	47.2	42.2	42.2	-	-
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.2	45.2	-	-	-	-
84.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.6	48.6	-	-	-	-	-
90.0	50.0	50.0	50.0	50.0	50.0	50.0	45.1	45.1	-	-	-	-	-	-
96.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-
102.0	50.0	50.0	50.0	50.0	47.3	47.3	-	-	-	-	-	-	-	-

**Chart #6, with 5/8" sill riser, with glass B**  
**Where water penetration resistance is required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.0		30.0		36.0		42.0		48.0		53.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.1	47.1
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.6	48.6	42.3	42.3
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	49.4	44.1	44.1	-	-
75.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.2	47.2	42.2	42.2	-	-
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.2	45.2	-	-	-	-
84.0	50.0	50.0	50.0	50.0	50.0	50.0	48.6	48.6	-	-	-	-	-	-
90.0	50.0	50.0	50.0	50.0	50.0	50.0	45.1	45.1	-	-	-	-	-	-
96.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-
102.0	50.0	50.0	50.0	50.0	47.3	47.3	-	-	-	-	-	-	-	-

**Chart #7, Frame B, Glass A, without Sill Riser**  
**Where water penetration resistance is required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.00		30.00		36.00		42.00		48.00		53.00		60.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	41.9	41.9
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	37.2	37.2
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2	33.7	33.7
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.1	45.1	30.9	30.9
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	49.4	42.7	42.7	28.7	28.7
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.6	47.6	40.8	40.8	-	-
75.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.8	46.8	40.0	40.0	-	-
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.2	46.2	-	-	-	-
84.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-
90.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-
96.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-
102.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-

**Chart #8, Frame B, Glass A, with or without Sill Riser**  
**Where water penetration resistance is not required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.00		30.00		36.00		42.00		48.00		53.00		60.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	41.9	41.9
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	37.2	37.2
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2	33.7	33.7
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.1	45.1	30.9	30.9
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	49.4	42.7	42.7	28.7	28.7
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.6	47.6	40.8	40.8	-	-
75.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.8	46.8	40.0	40.0	-	-
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.2	46.2	-	-	-	-
84.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-
90.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-
96.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-
102.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-

SIGNED: 11/11/2021

ALL AMERICAN WINDOW COMPANY, LLC. 1930 HANAHAN ROAD SUITE 1400A NORTH CHARLESTON, SC 29406		
SERIES 1900 SINGLE HUNG WINDOW 53" X 75" – LARGE & SMALL MISSILE IMPACT DESIGN PRESSURE CHARTS		
DRAWN: A.R.	DWG NO. 08-03177	REV C
SCALE NTS	DATE 07/17/18	SHEET 4 OF 19
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			
REV	DESCRIPTION	DATE	APPROVED
C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	R.L.

**Chart #9, Frame B, Glass A, with Sill Riser**  
**Where water penetration resistance is required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.00		30.00		36.00		42.00		48.00		53.00		60.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	41.9	41.9
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	37.2	37.2
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2	33.7	33.7
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.1	45.1	30.9	30.9
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	49.4	42.7	42.7	28.7	28.7
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.6	47.6	40.8	40.8	-	-
75.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.8	46.8	40.0	40.0	-	-
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.2	46.2	-	-	-	-
84.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-
90.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-
96.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-
102.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-

**Chart #10, Frame B, Glass B, without sill riser**  
**Where water penetration resistance is required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.00		30.00		36.00		42.00		48.00		53.00		60.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	41.9	41.9
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	37.2	37.2
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2	33.7	33.7
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.1	45.1	30.9	30.9
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	49.4	42.7	42.7	28.7	28.7
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.6	47.6	40.8	40.8	-	-
75.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.8	46.8	40.0	40.0	-	-
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.2	45.2	-	-	-	-
84.0	50.0	50.0	50.0	50.0	50.0	50.0	48.6	48.6	-	-	-	-	-	-
90.0	50.0	50.0	50.0	50.0	50.0	50.0	45.1	45.1	-	-	-	-	-	-
96.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-
102.0	50.0	50.0	50.0	50.0	47.3	47.3	-	-	-	-	-	-	-	-

**Chart #11, Frame B, Glass B, with or without sill riser**  
**Where water penetration resistance is not required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.00		30.00		36.00		42.00		48.00		53.00		60.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	41.9	41.9
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	37.2	37.2
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2	33.7	33.7
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.1	45.1	30.9	30.9
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	49.4	42.7	42.7	28.7	28.7
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.6	47.6	40.8	40.8	-	-
75.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.8	46.8	40.0	40.0	-	-
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.2	45.2	-	-	-	-
84.0	50.0	50.0	50.0	50.0	50.0	50.0	48.6	48.6	-	-	-	-	-	-
90.0	50.0	50.0	50.0	50.0	50.0	50.0	45.1	45.1	-	-	-	-	-	-
96.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-
102.0	50.0	50.0	50.0	50.0	47.3	47.3	-	-	-	-	-	-	-	-

**Chart #12, Frame B, Glass B, with sill riser**  
**Where water penetration resistance is required**  
**Design pressure rating (psf)**

Frame Height (in)	Frame width (in)													
	24.00		30.00		36.00		42.00		48.00		53.00		60.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	41.9	41.9
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	37.2	37.2
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2	33.7	33.7
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.1	45.1	30.9	30.9
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.4	49.4	42.7	42.7	28.7	28.7
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	47.6	47.6	40.8	40.8	-	-
75.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	46.8	46.8	40.0	40.0	-	-
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.2	45.2	-	-	-	-
84.0	50.0	50.0	50.0	50.0	50.0	50.0	48.6	48.6	-	-	-	-	-	-
90.0	50.0	50.0	50.0	50.0	50.0	50.0	45.1	45.1	-	-	-	-	-	-
96.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-
102.0	50.0	50.0	50.0	50.0	47.3	47.3	-	-	-	-	-	-	-	-

SIGNED: 11/11/2021

ALL AMERICAN WINDOW COMPANY, LLC.  
1930 HANAHAN ROAD SUITE 1400A  
NORTH CHARLESTON, SC 29406

SERIES 1900 SINGLE HUNG WINDOW  
53" X 75" – LARGE & SMALL MISSILE IMPACT  
DESIGN PRESSURE CHARTS

DRAWN:  
A.R.

DWG NO.  
08-03177

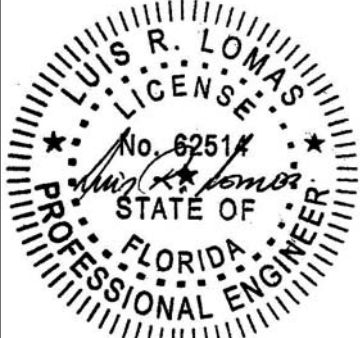
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SCALE  
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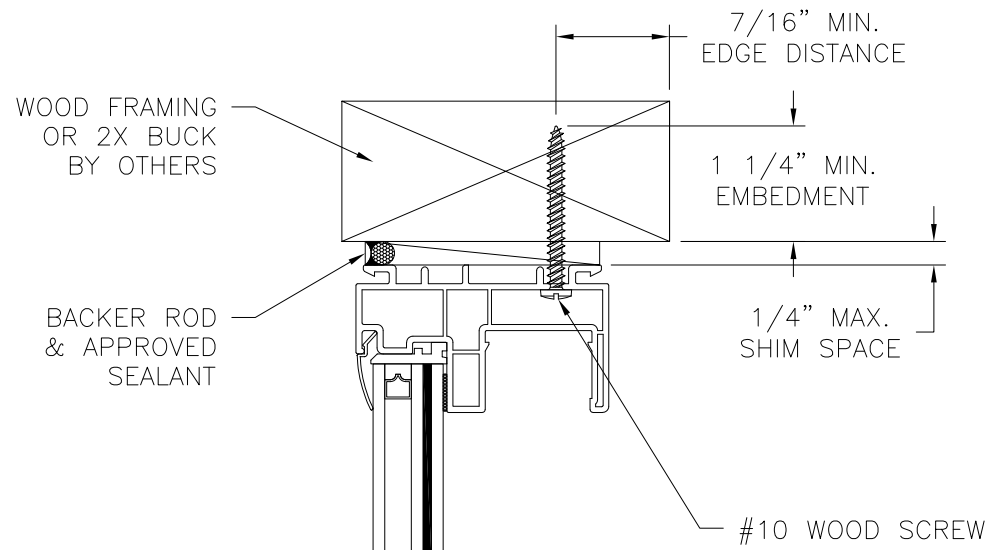
DATE  
07/17/18

SHEET  
5 OF 19

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

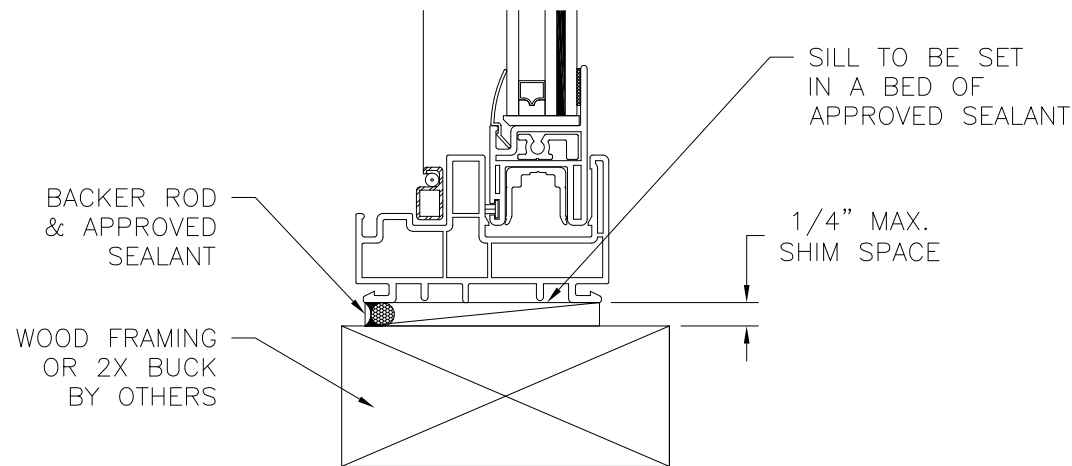


Luis R. Lomas P.E.  
FL No.: 62514

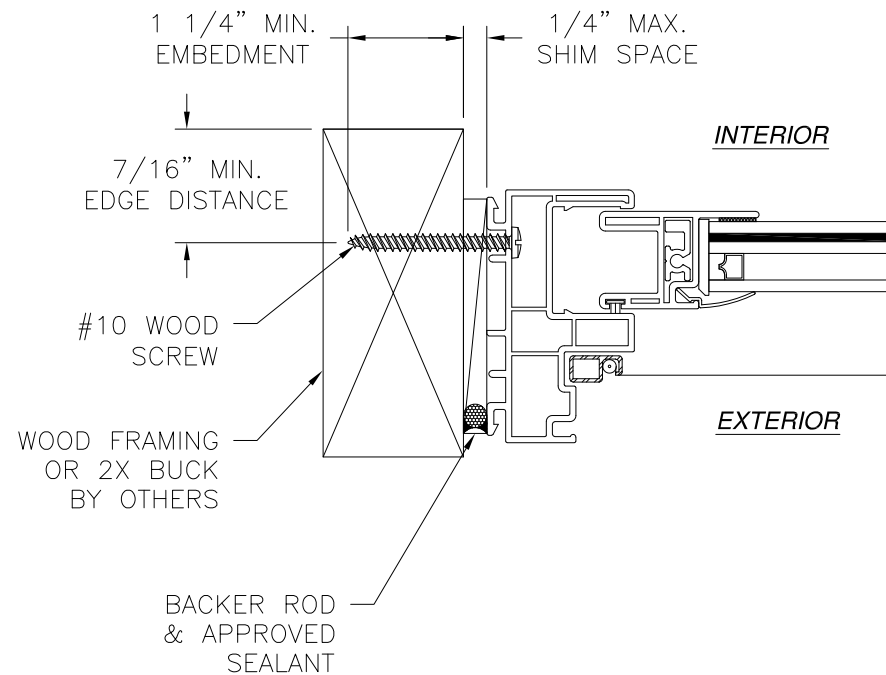


EXTERIOR

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	R.L.

ALL AMERICAN WINDOW COMPANY, LLC.  
1930 HANAHAN ROAD SUITE 1400A  
NORTH CHARLESTON, SC 29406

SERIES 1900 SINGLE HUNG WINDOW  
53" X 75" – LARGE & SMALL MISSILE IMPACT  
INSTALLATION DETAILS

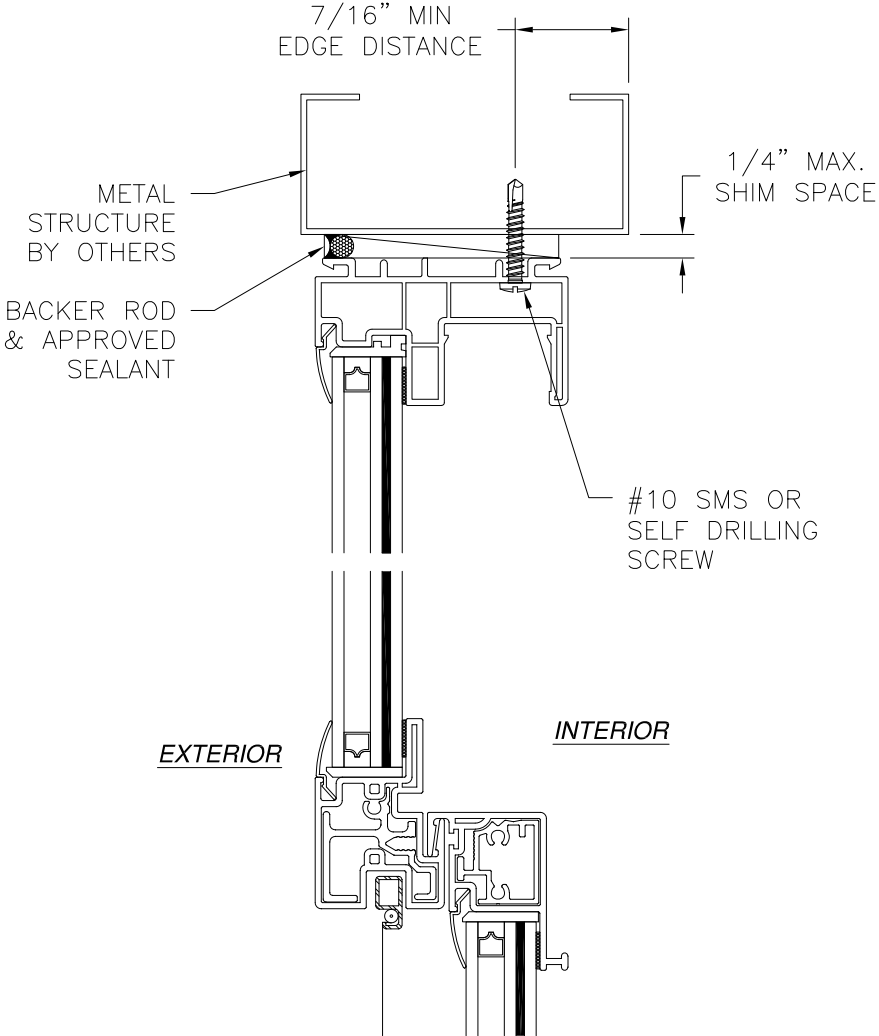
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SCALE NTS	DATE 07/17/18	SHEET 6 OF 19

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

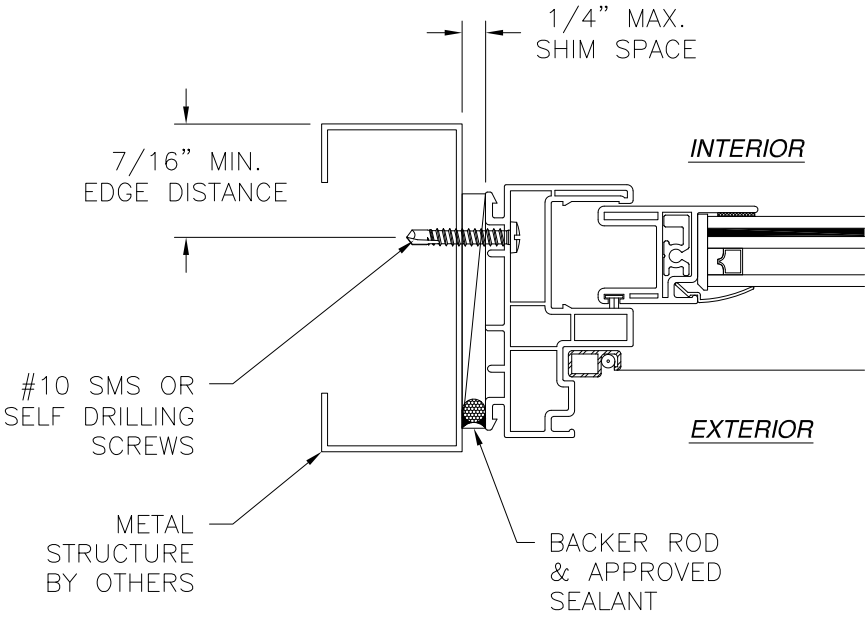
SIGNED: 11/11/2021

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	R.L.



**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION

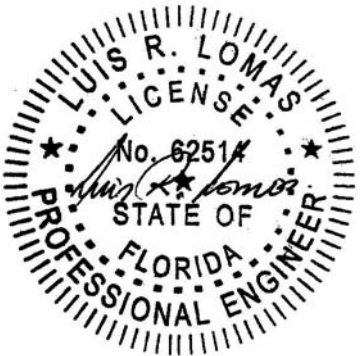


**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

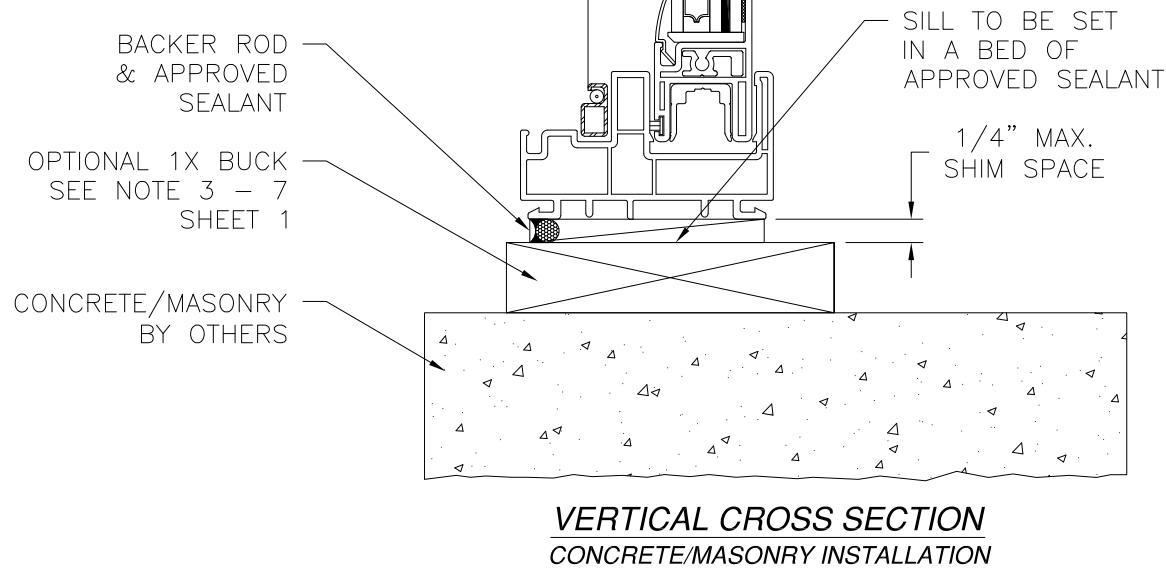
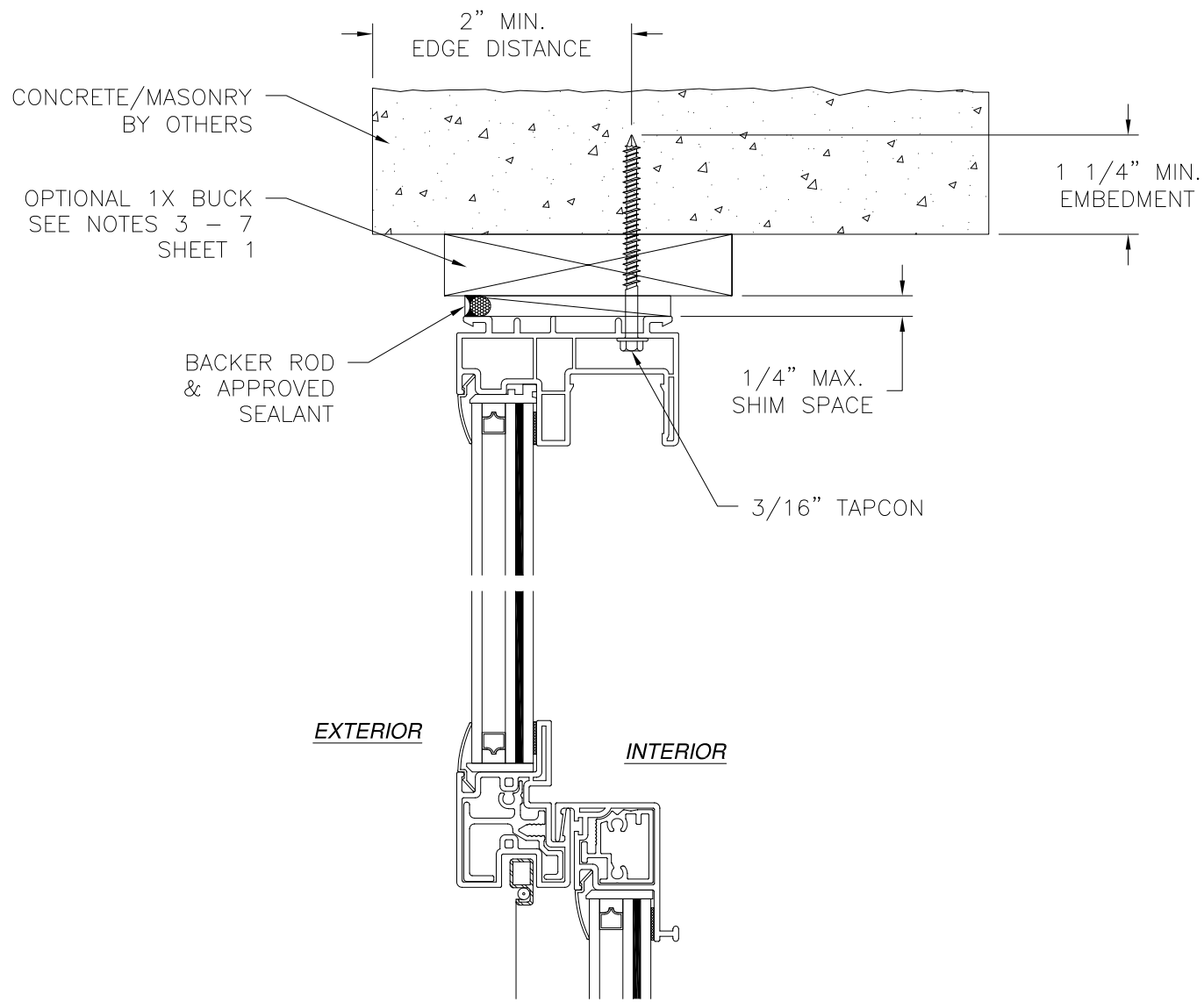
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SIGNED: 11/11/2021

ALL AMERICAN WINDOW COMPANY, LLC. 1930 HANAHAN ROAD SUITE 1400A NORTH CHARLESTON, SC 29406		
SERIES 1900 SINGLE HUNG WINDOW 53" X 75" – LARGE & SMALL MISSILE IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03177	REV C
SCALE NTS	DATE 07/17/18	SHEET 7 OF 19
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

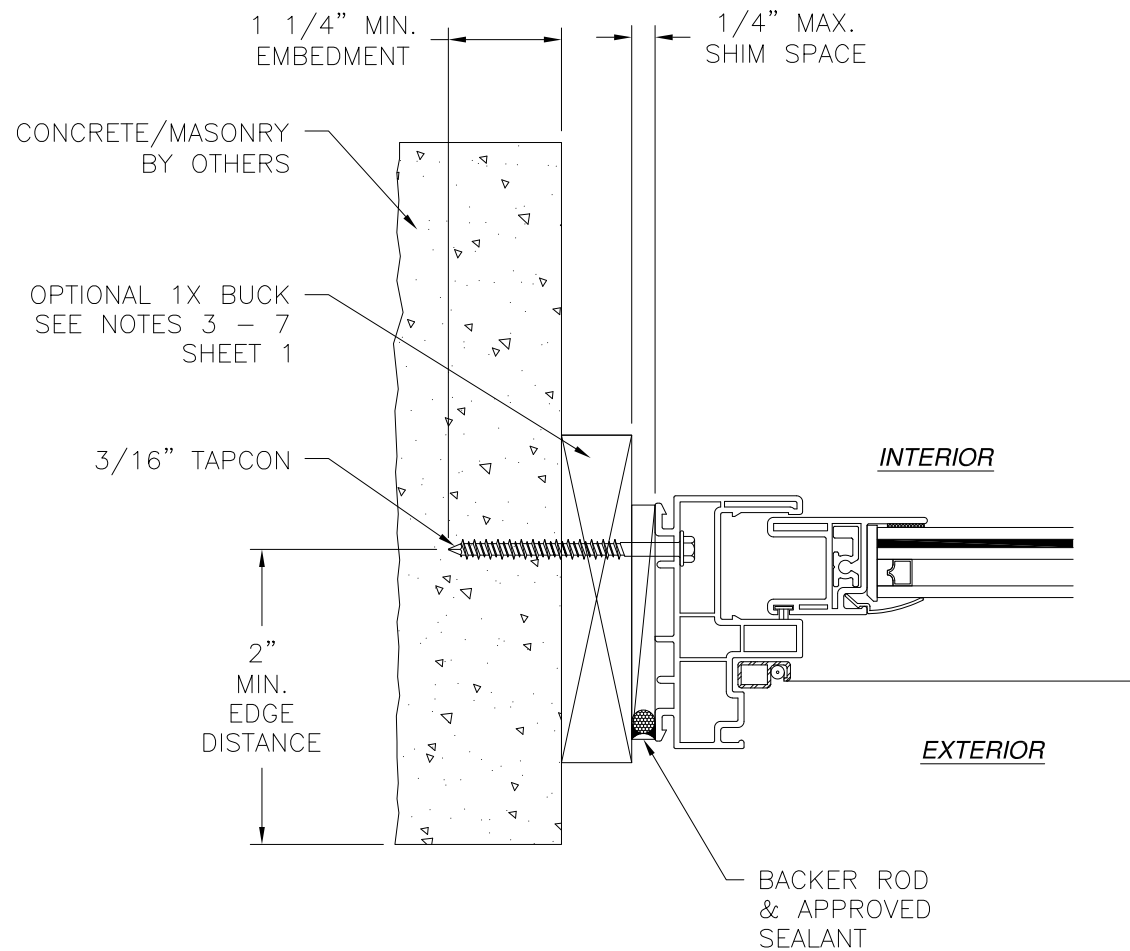


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**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	R.L.

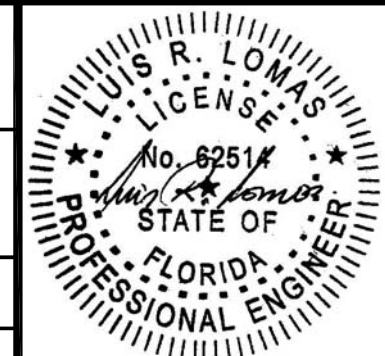


**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY INSTALLATION

- 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

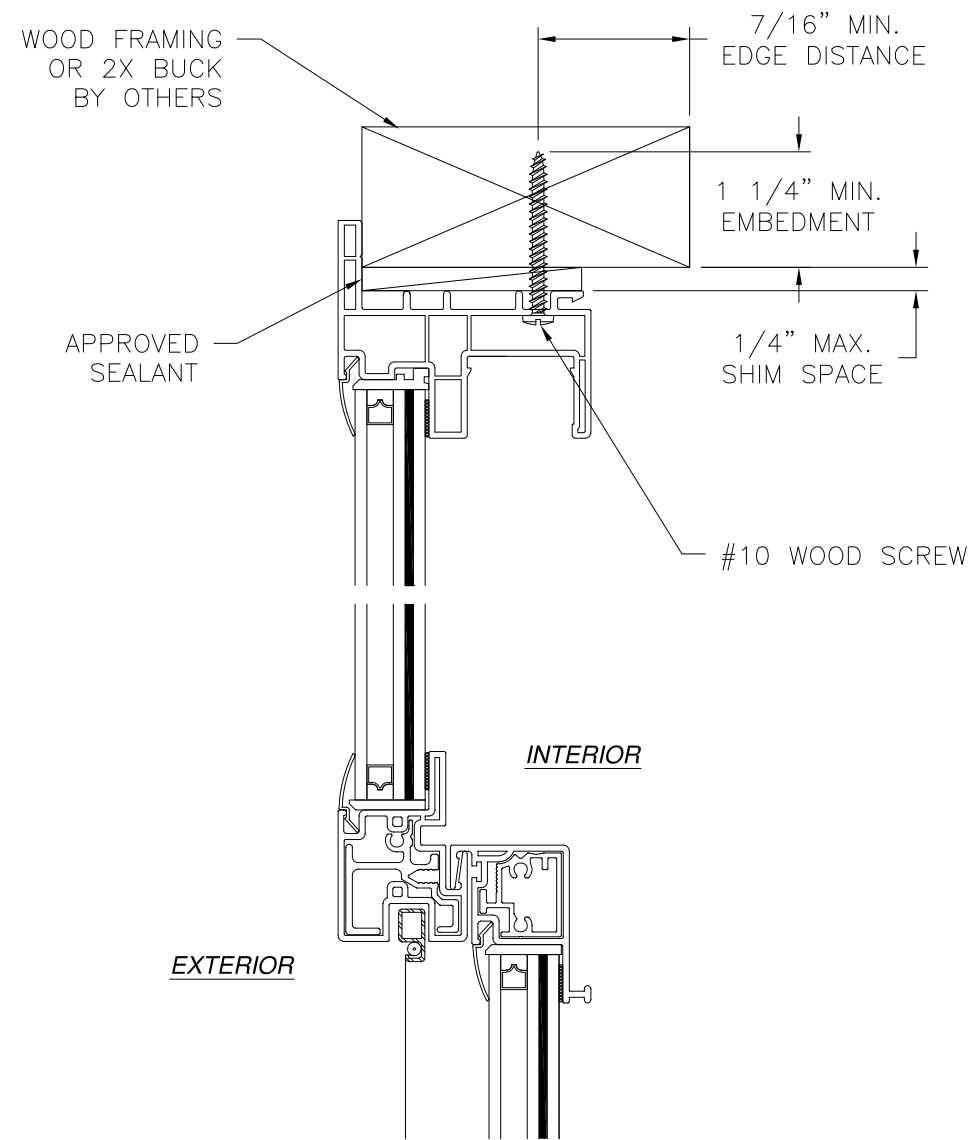
SIGNED: 11/11/2021

ALL AMERICAN WINDOW COMPANY, LLC. 1930 HANAHAN ROAD SUITE 1400A NORTH CHARLESTON, SC 29406		
SERIES 1900 SINGLE HUNG WINDOW 53" X 75" - LARGE & SMALL MISSILE IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03177	REV C
SCALE NTS	DATE 07/17/18	SHEET 8 OF 19
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

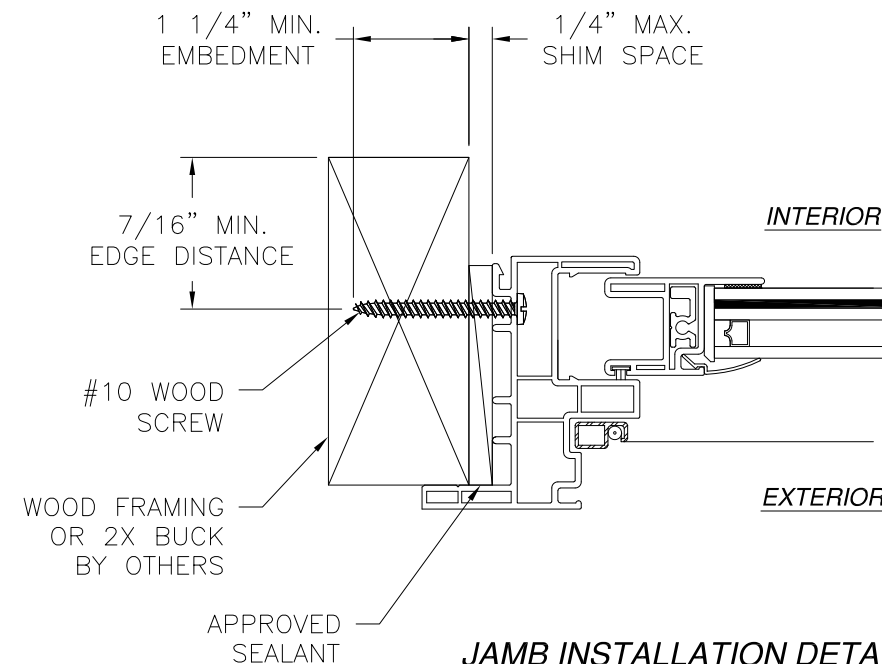
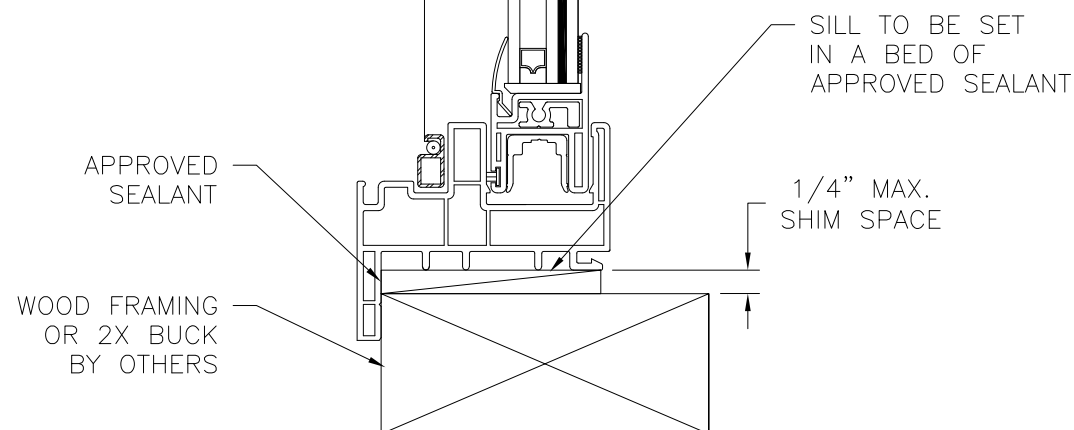


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FL No.: 62514





**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION

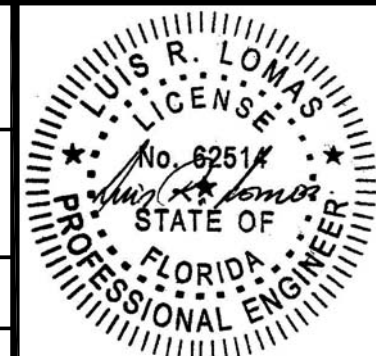


**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

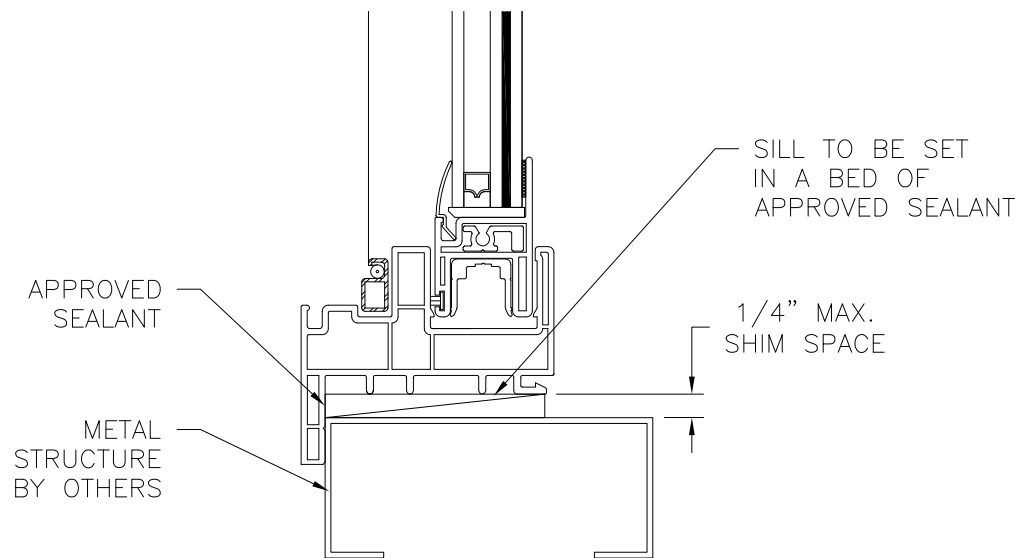
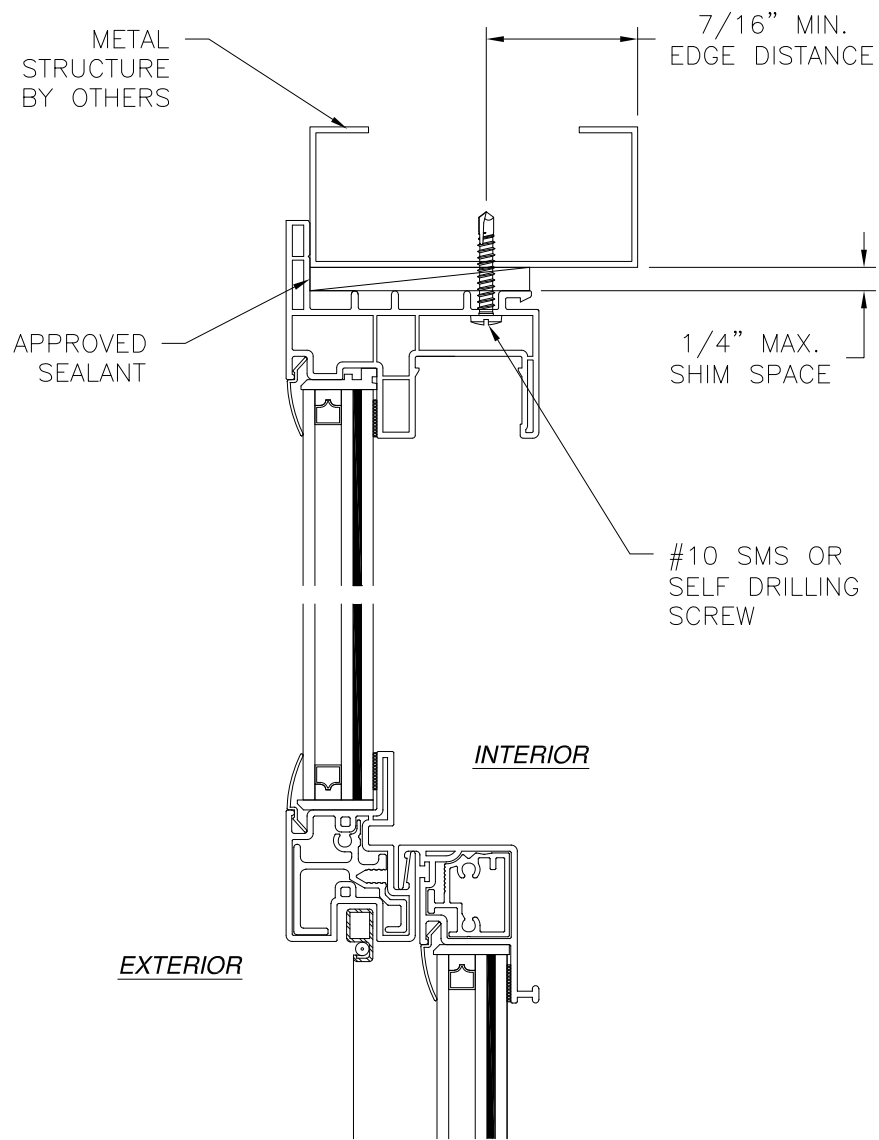
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REV	DESCRIPTION	DATE	APPROVED
C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	R.L.

ALL AMERICAN WINDOW COMPANY, LLC. 1930 HANAHAN ROAD SUITE 1400A NORTH CHARLESTON, SC 29406		
SERIES 1900 SINGLE HUNG WINDOW 53" X 75" – LARGE & SMALL MISSILE IMPACT FLANGE INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03177	REV C
SCALE NTS	DATE 07/17/18	SHEET 9 OF 19
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

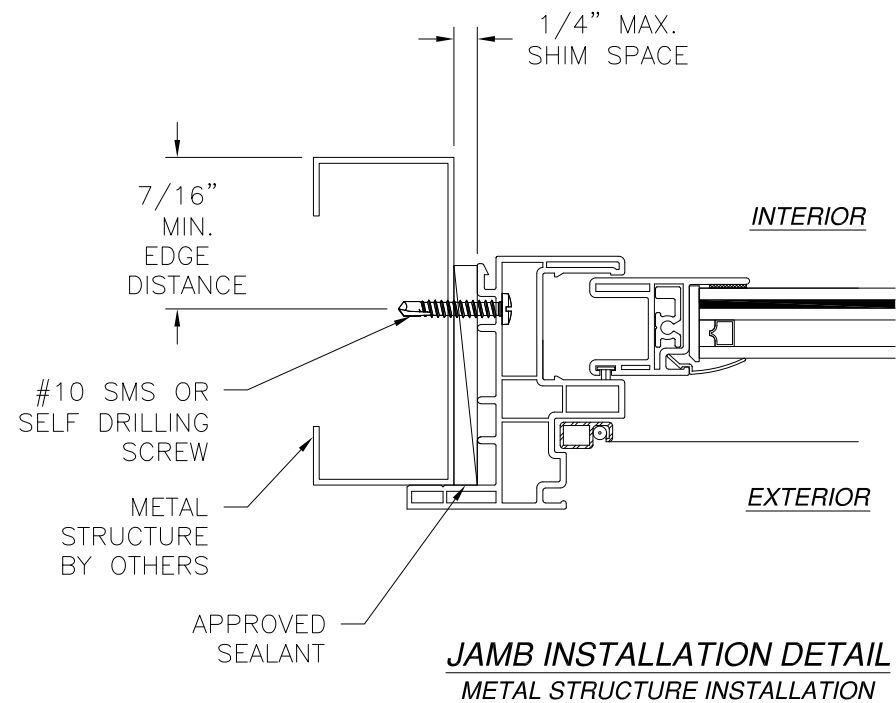
SIGNED: 11/11/2021



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FL No.: 62514



**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	R.L.

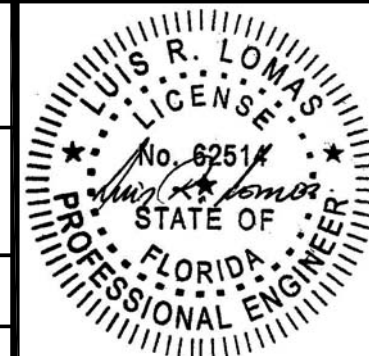
ALL AMERICAN WINDOW COMPANY, LLC.  
1930 HANAHAN ROAD SUITE 1400A  
NORTH CHARLESTON, SC 29406

SERIES 1900 SINGLE HUNG WINDOW  
53" X 75" - LARGE & SMALL MISSILE IMPACT  
FLANGE INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03177	REV C
SCALE NTS	DATE 07/17/18	SHEET 10 OF 19

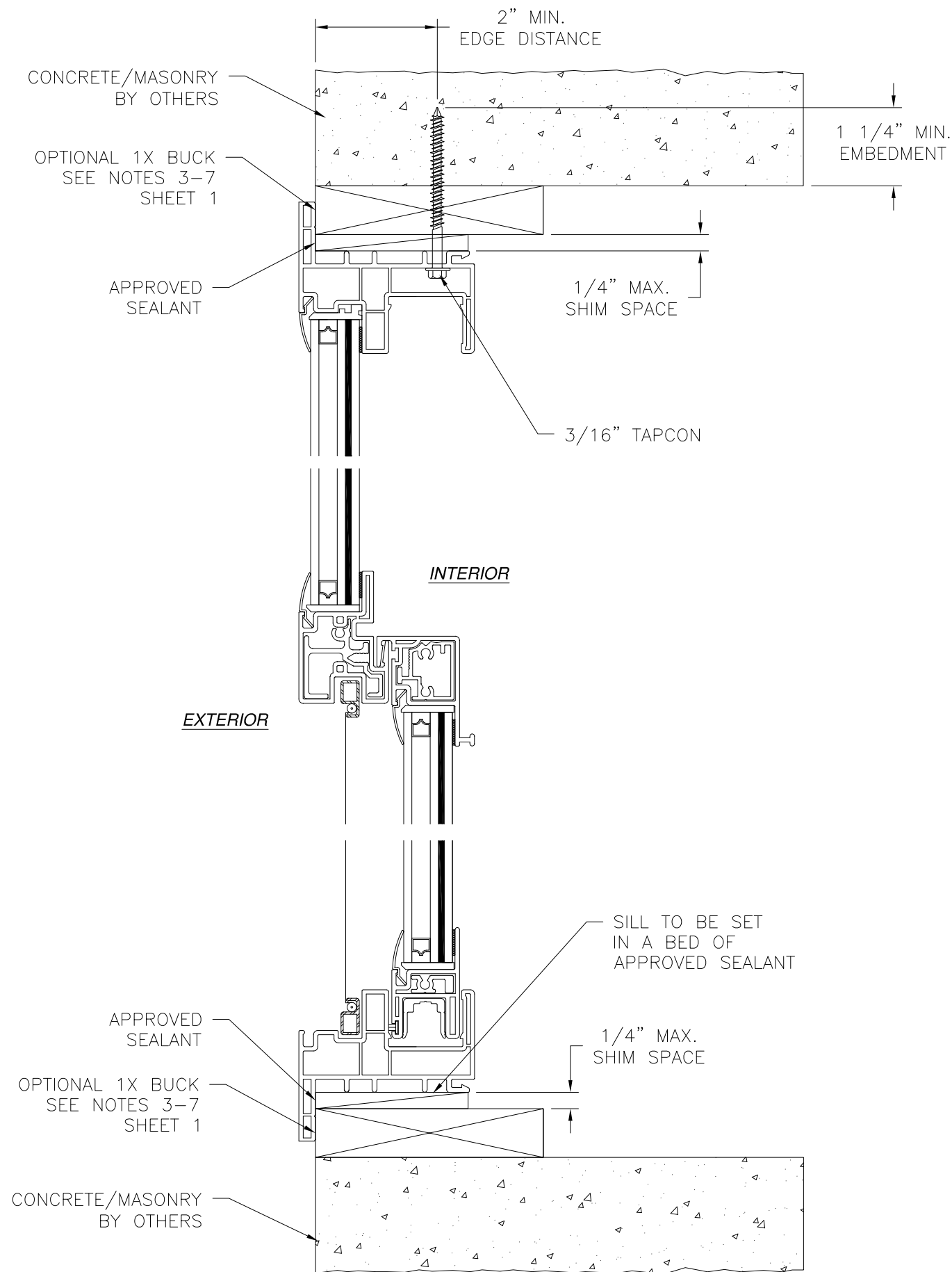
L. ROBERTO LOMAS P.E.  
1432 WOODFORD RD LEWISVILLE, NC 27023  
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 11/11/2021

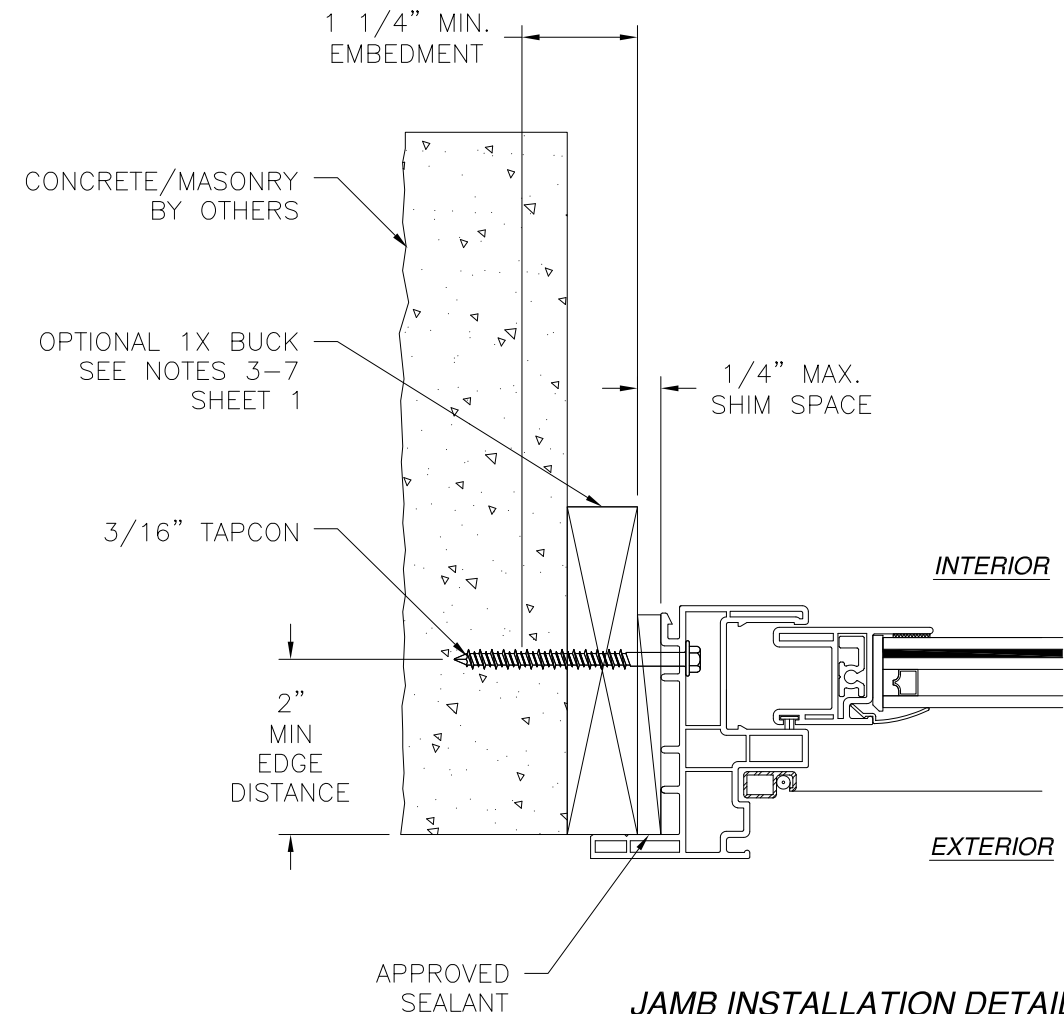


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FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	R.L.



**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION



**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY INSTALLATION

SIGNED: 11/11/2021

ALL AMERICAN WINDOW COMPANY, LLC.  
1930 HANAHAN ROAD SUITE 1400A  
NORTH CHARLESTON, SC 29406

SERIES 1900 SINGLE HUNG WINDOW  
53" X 75" – LARGE & SMALL MISSILE IMPACT  
FLANGE INSTALLATION DETAILS

DRAWN:  
A.R.

DWG NO.  
08-03177

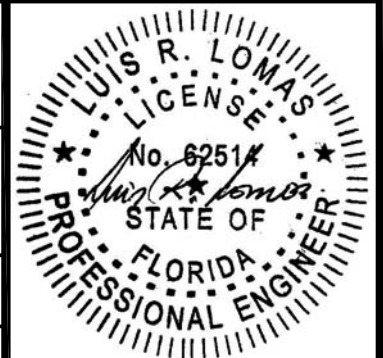
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SCALE  
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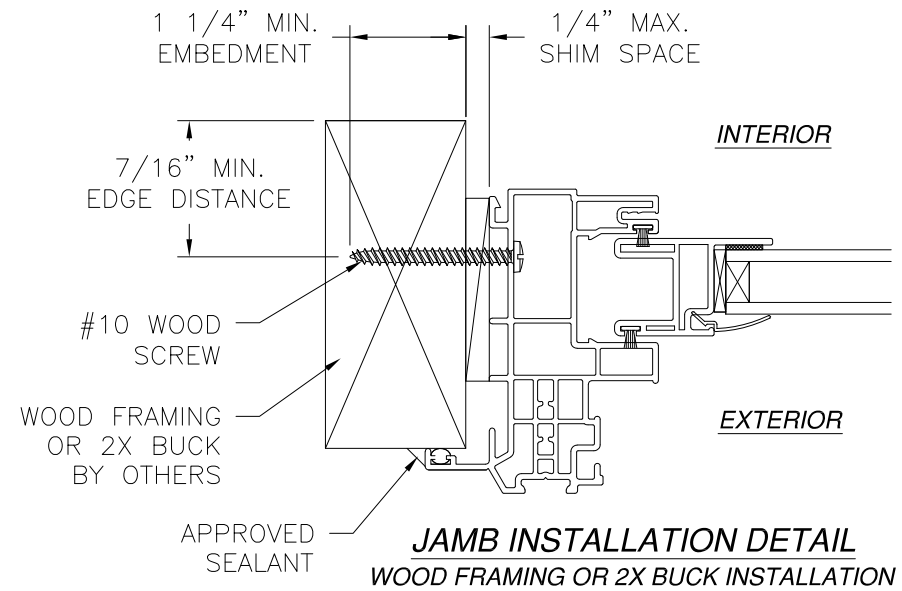
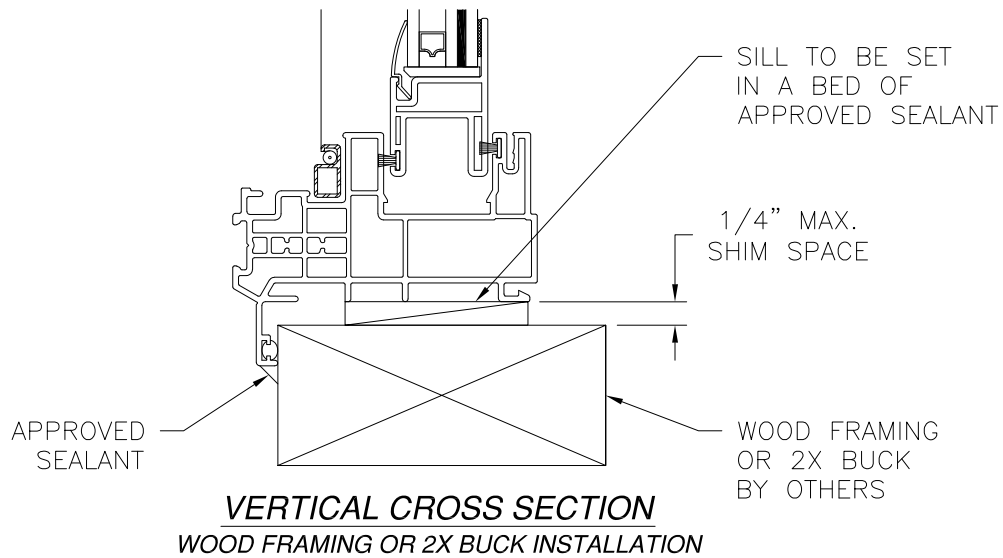
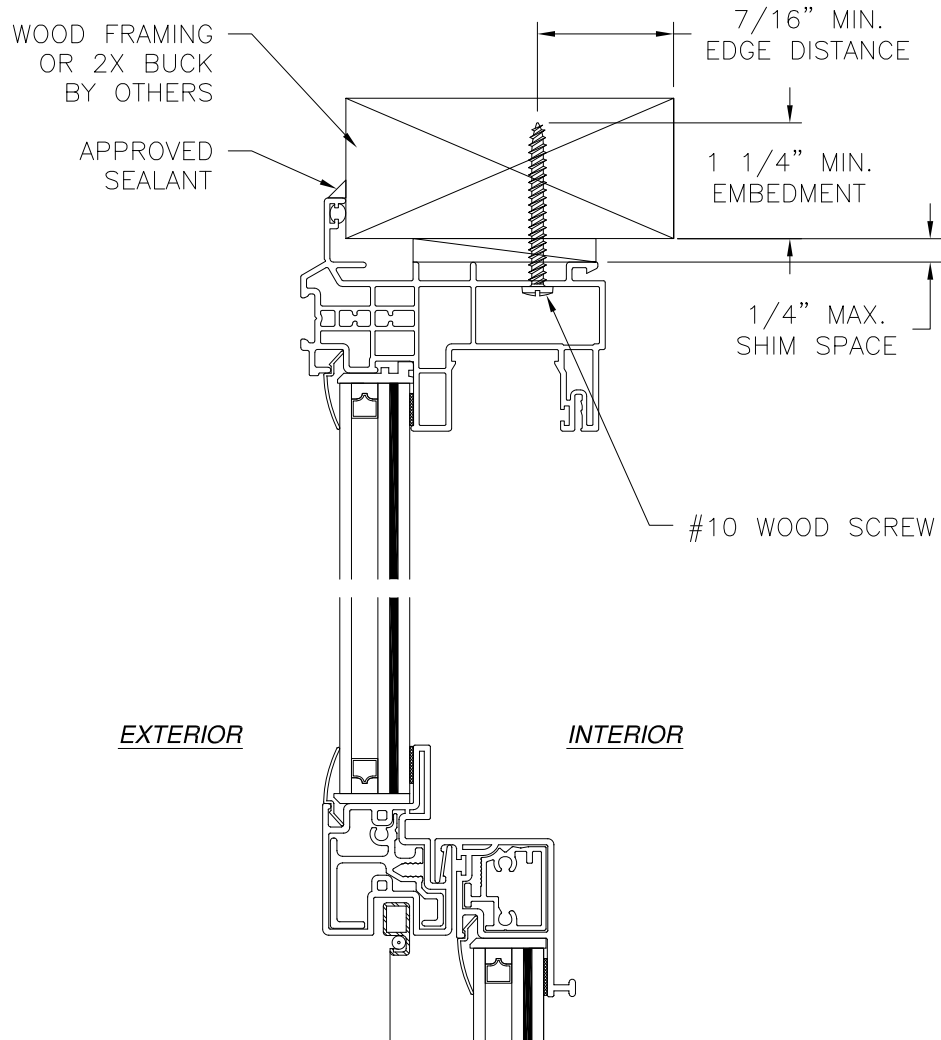
DATE  
07/17/18

SHEET  
11 OF 19

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



NOTES:

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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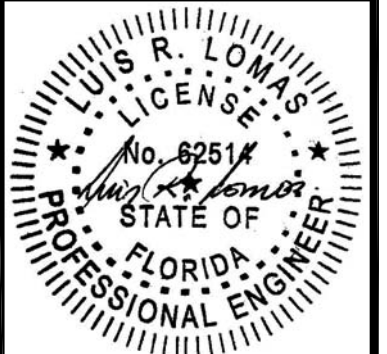
ALL AMERICAN WINDOW COMPANY, LLC.

1930 HANAHAN ROAD SUITE 1400A  
NORTH CHARLESTON, SC 29406

SERIES 1900 SINGLE HUNG WINDOW  
53" X 75" - LARGE & SMALL MISSILE IMPACT  
INSTALLATION DETAILS W/STORM JAMB

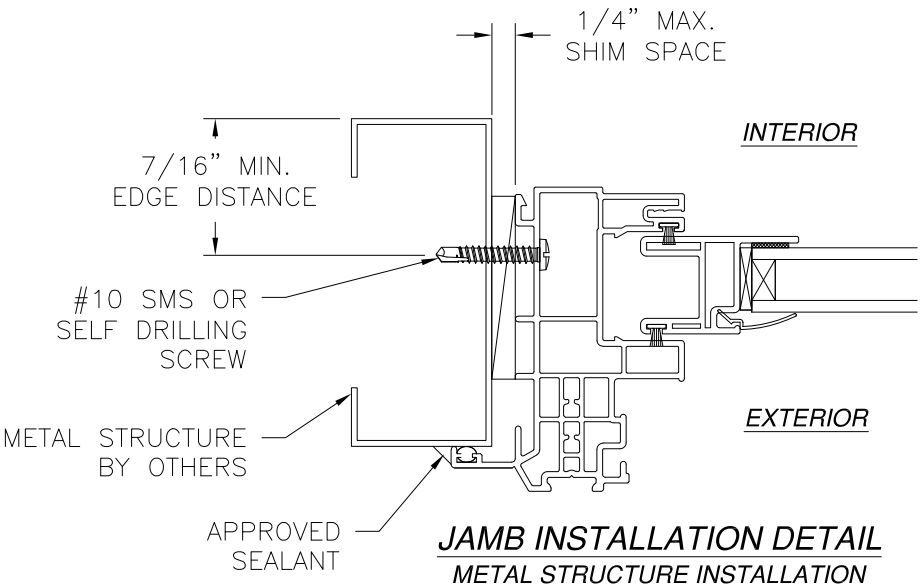
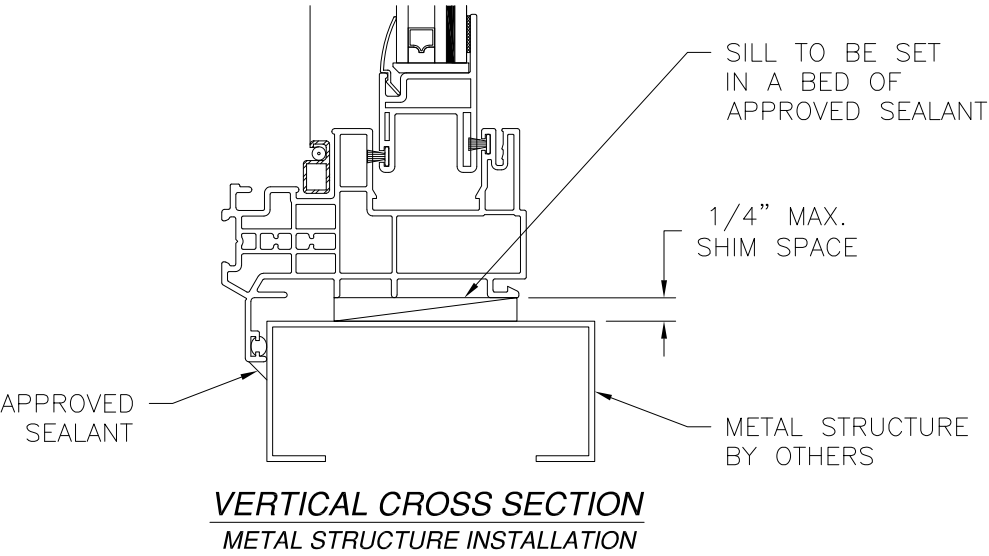
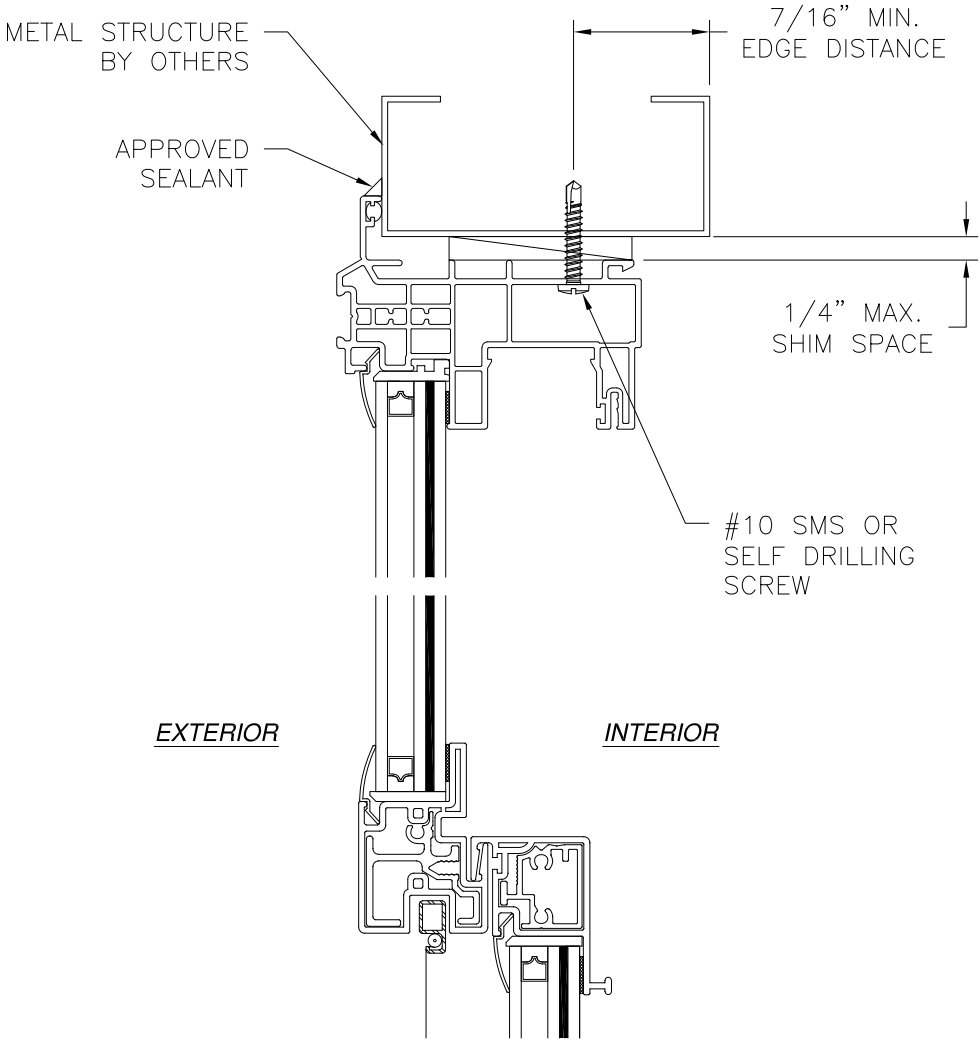
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SCALE NTS	DATE 07/17/18	SHEET 12 OF 19
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 11/11/2021



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

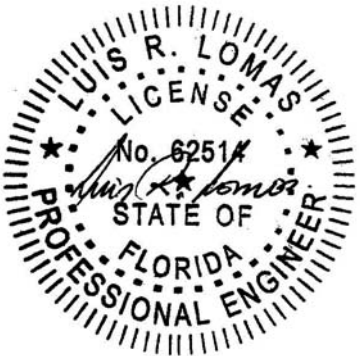
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REV	DESCRIPTION	DATE	APPROVED
C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	R.L.



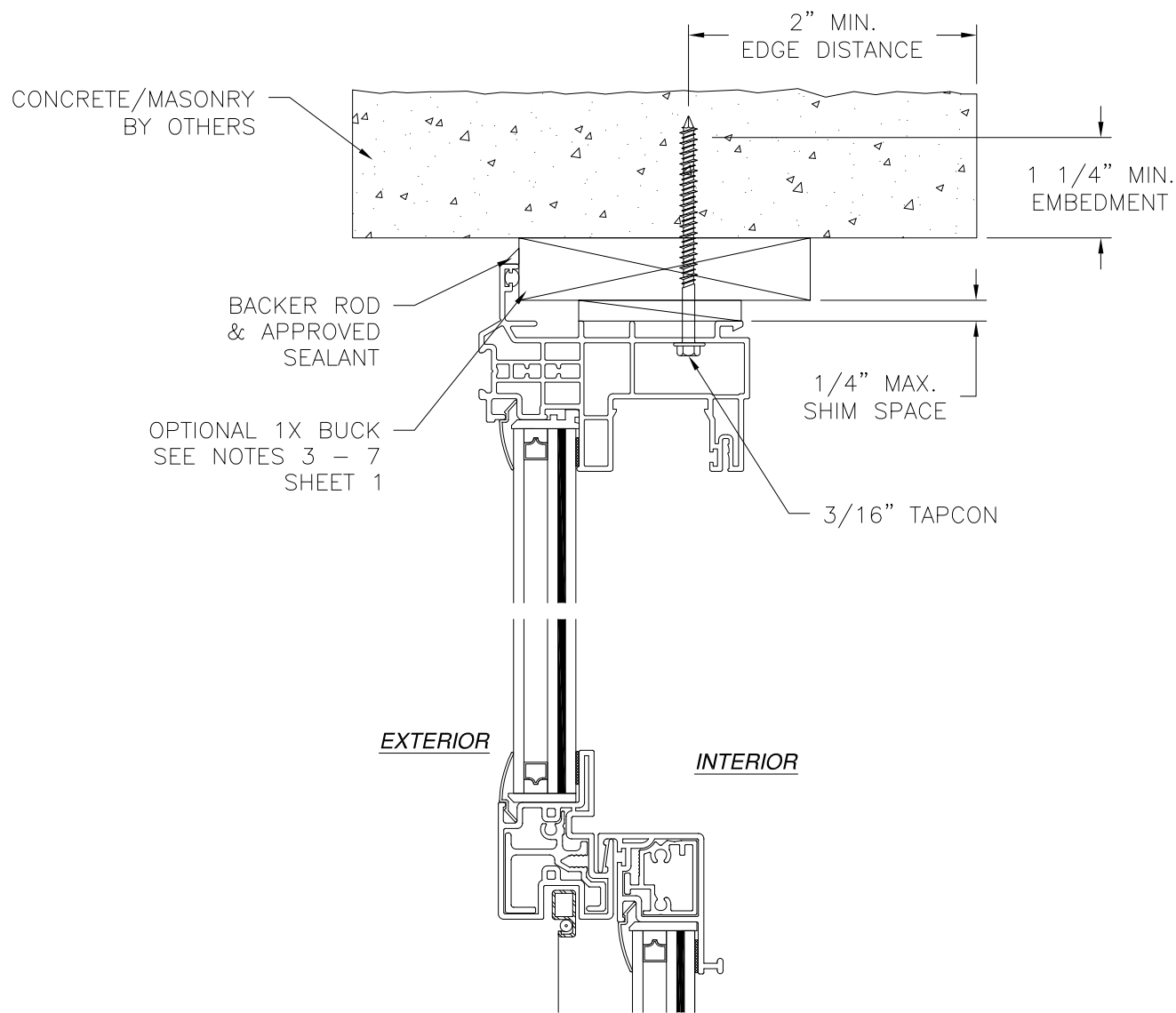
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SIGNED: 11/11/2021

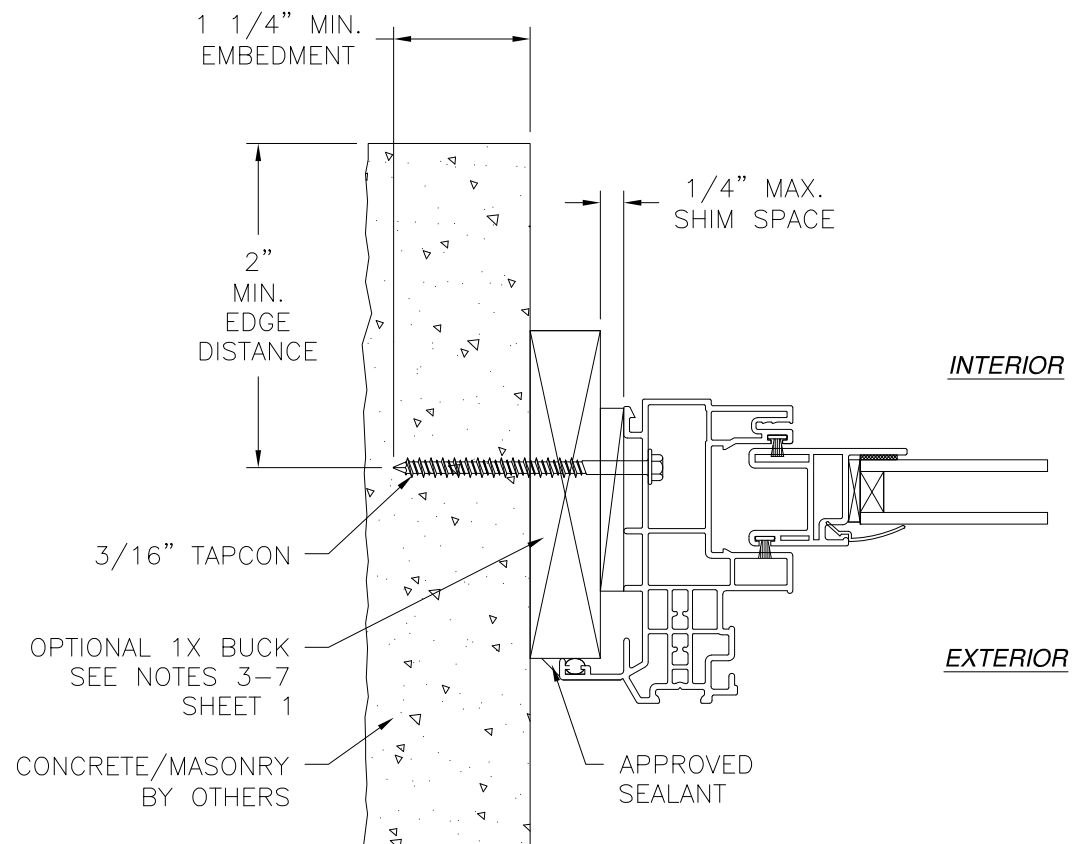
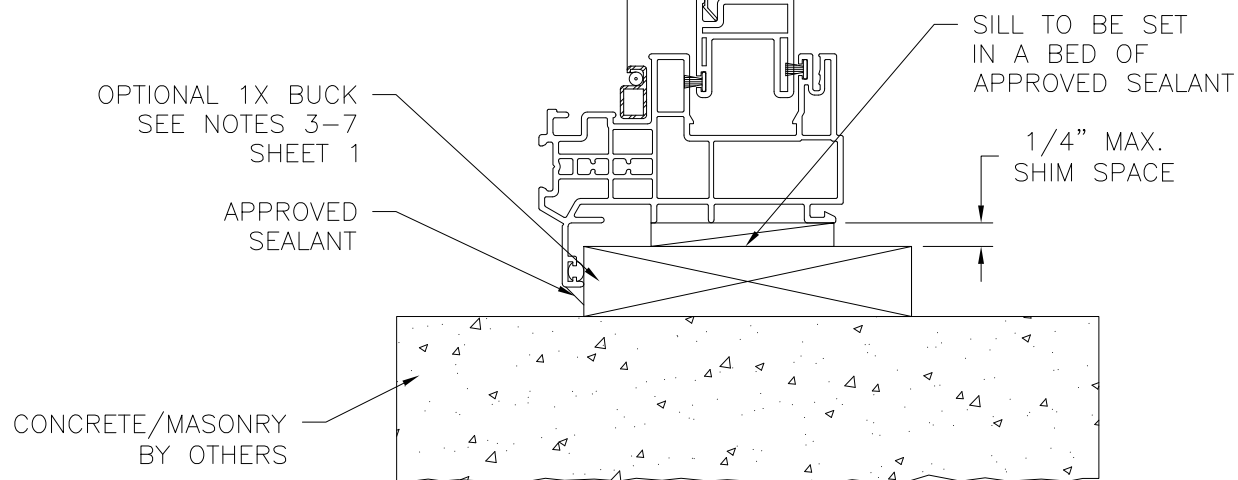
ALL AMERICAN WINDOW COMPANY, LLC. 1930 HANAHAN ROAD SUITE 1400A NORTH CHARLESTON, SC 29406		
SERIES 1900 SINGLE HUNG WINDOW 53" X 75" - LARGE & SMALL MISSILE IMPACT INSTALLATION DETAILS W/STORM JAMB		
DRAWN: A.R.	DWG NO. 08-03177	REV C
SCALE NTS	DATE 07/17/18	SHEET 13 OF 19
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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



**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION



**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY INSTALLATION

**NOTES:**

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	R.L.

ALL AMERICAN WINDOW COMPANY, LLC.

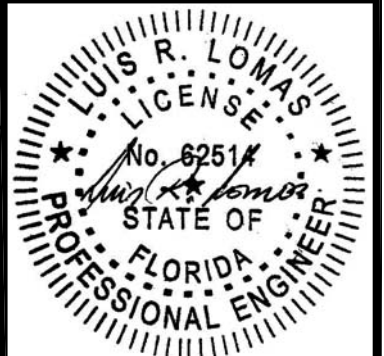
1930 HANAHAN ROAD SUITE 1400A  
NORTH CHARLESTON, SC 29406

SERIES 1900 SINGLE HUNG WINDOW  
53" X 75" – LARGE & SMALL MISSILE IMPACT  
INSTALLATION DETAILS W/STORM JAMB

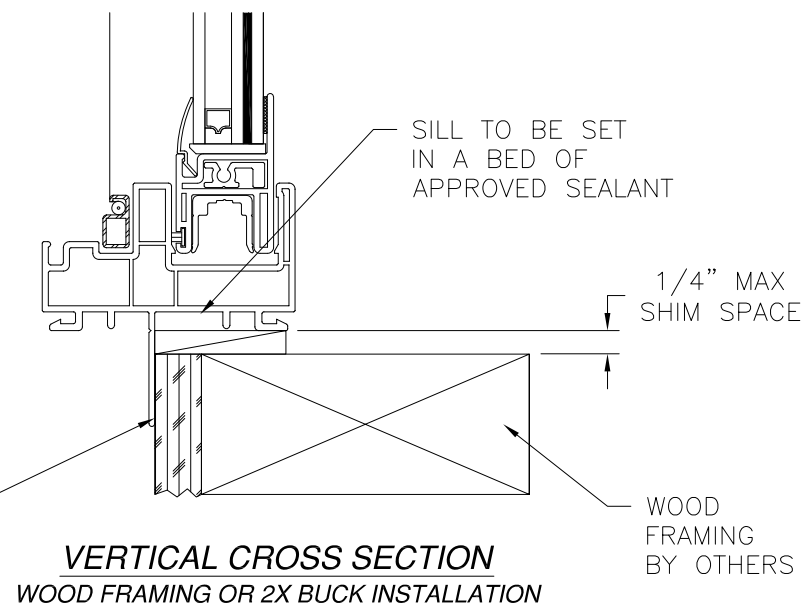
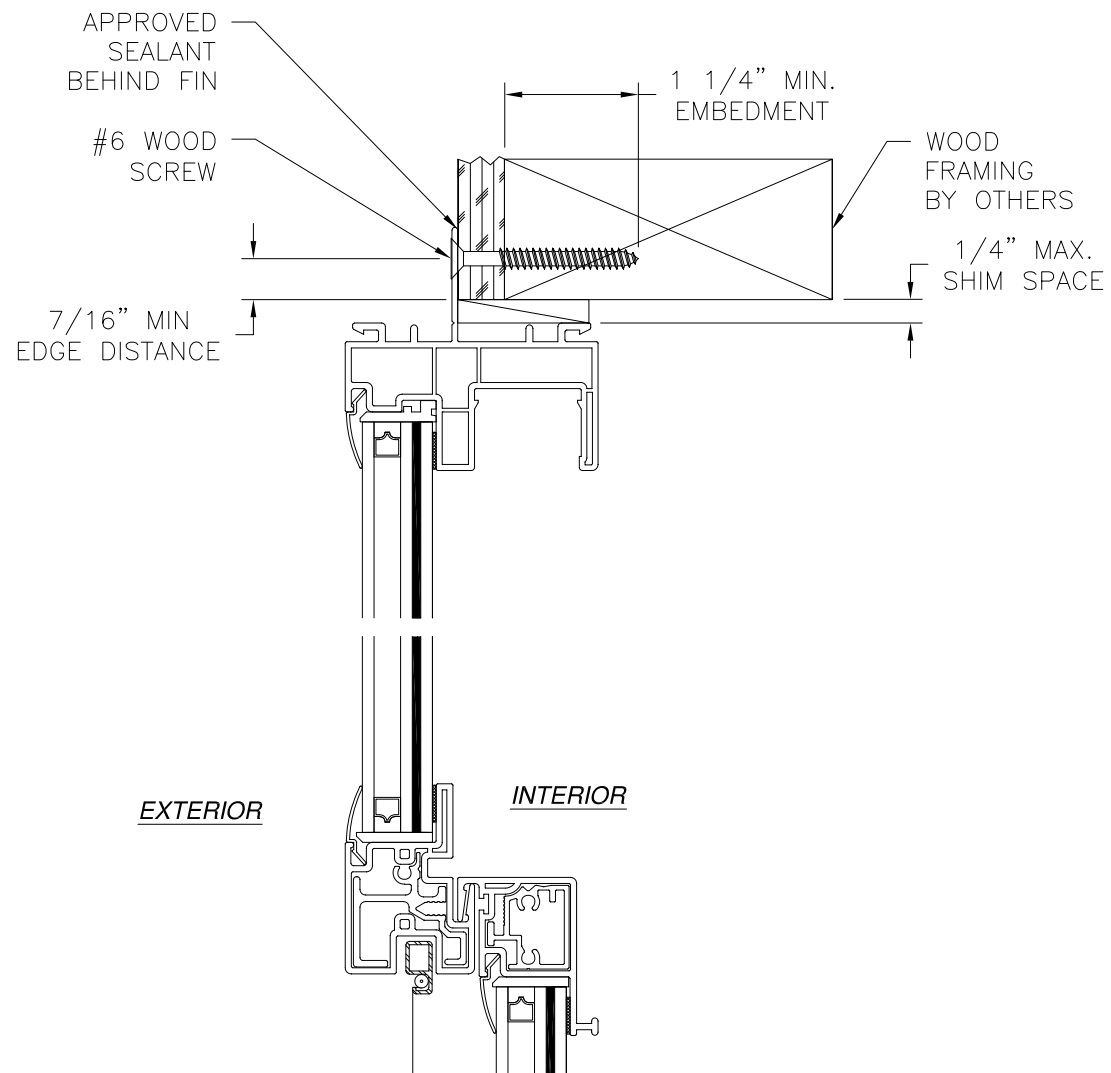
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1432 WOODFORD RD LEWISVILLE, NC 27023  
434-688-0609 rllomas@lrlomaspe.com

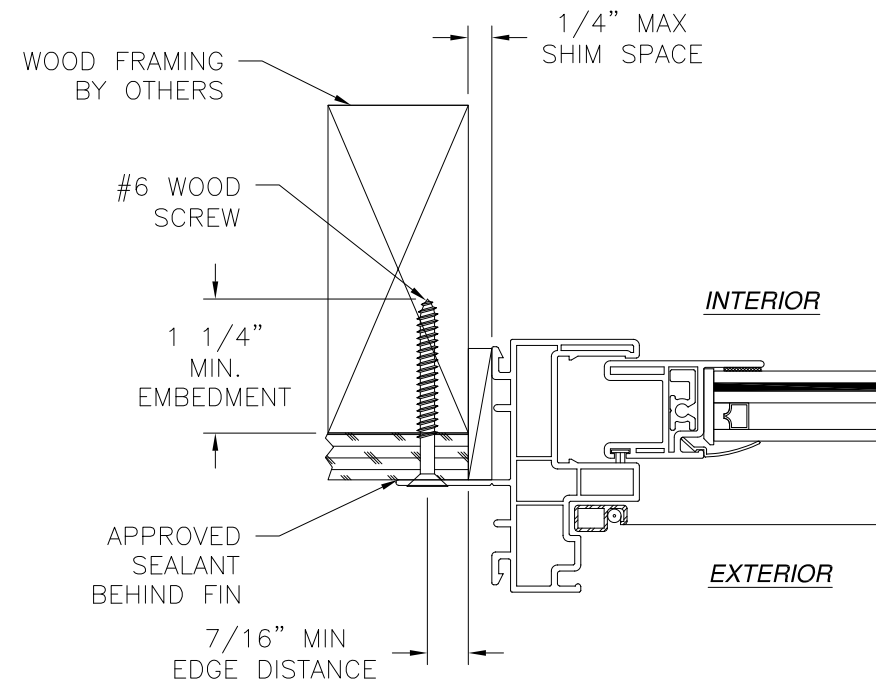
SIGNED: 11/11/2021



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FL No.: 62514



**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

**NOTES:**

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ALL AMERICAN WINDOW COMPANY, LLC.

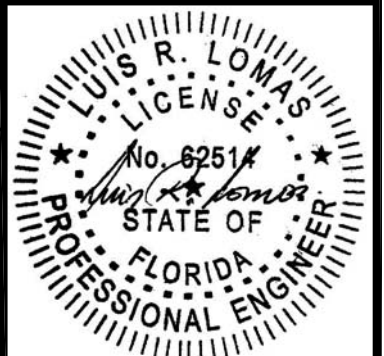
1930 HANAHAN ROAD SUITE 1400A  
NORTH CHARLESTON, SC 29406

SERIES 1900 SINGLE HUNG WINDOW  
53" X 75" – LARGE & SMALL MISSILE IMPACT  
FIN INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03177	REV C
SCALE NTS	DATE 07/17/18	SHEET 15 OF 19

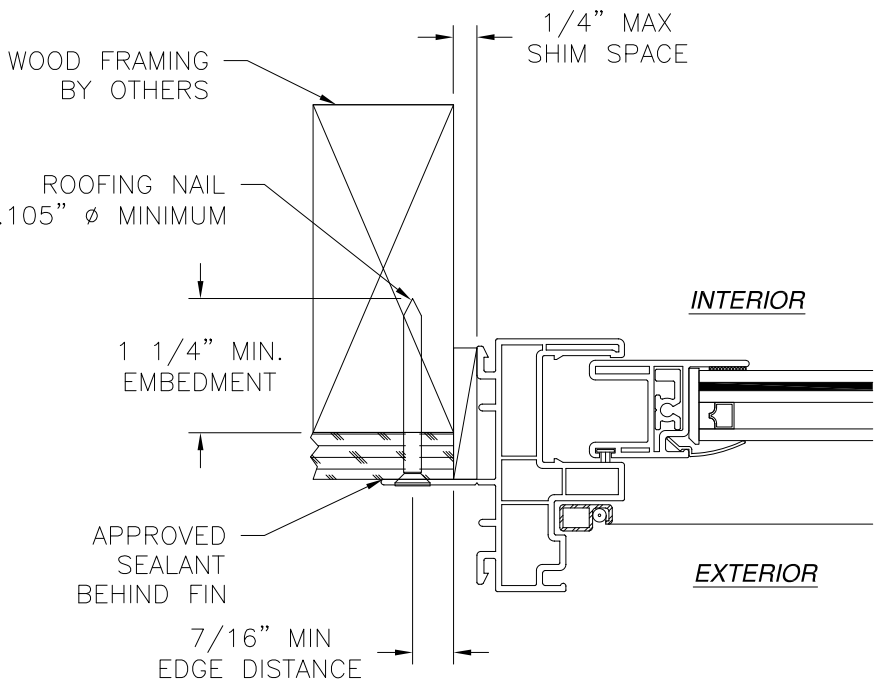
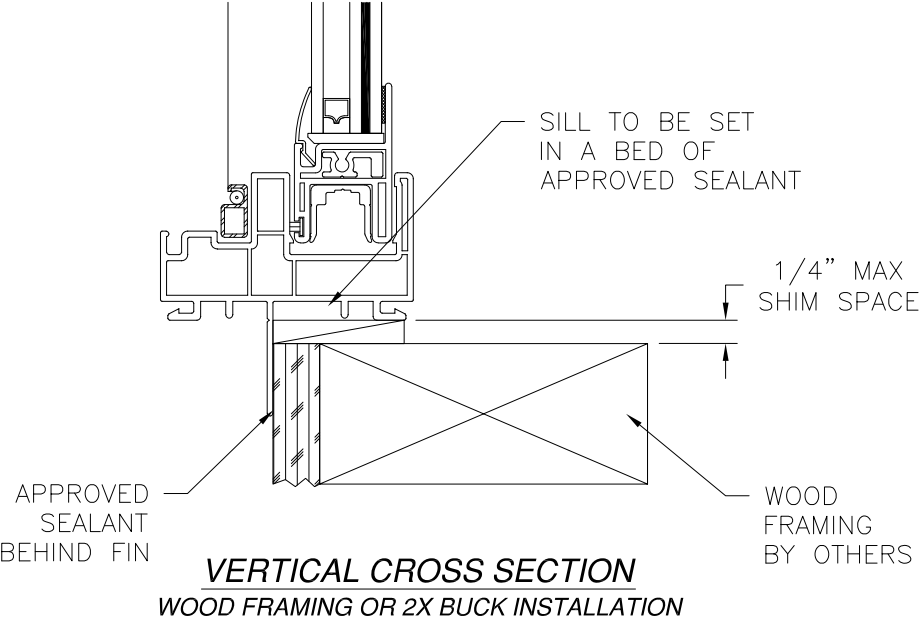
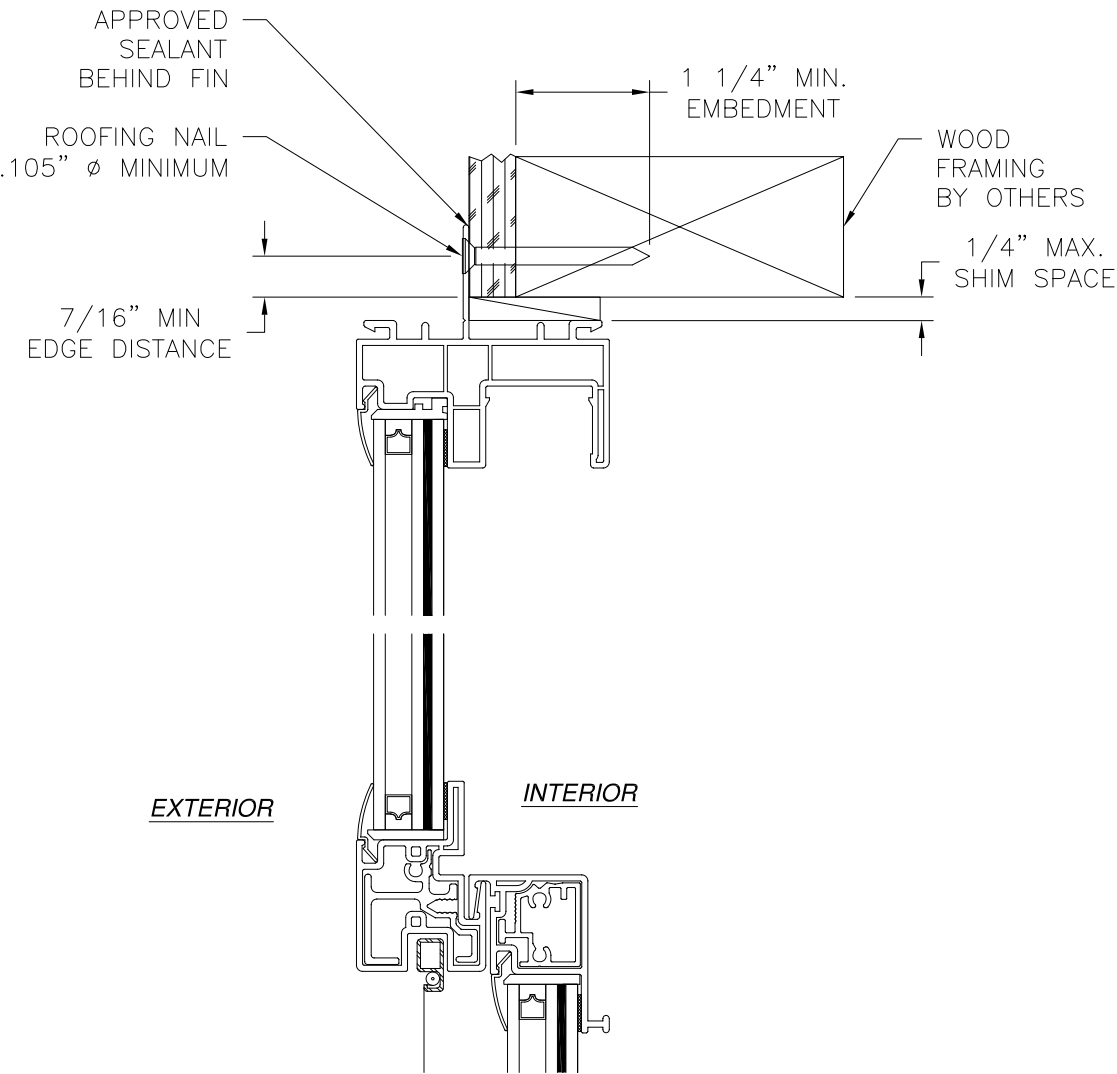
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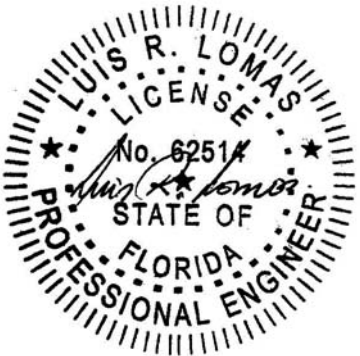


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WOOD FRAMING OR 2X BUCK INSTALLATION

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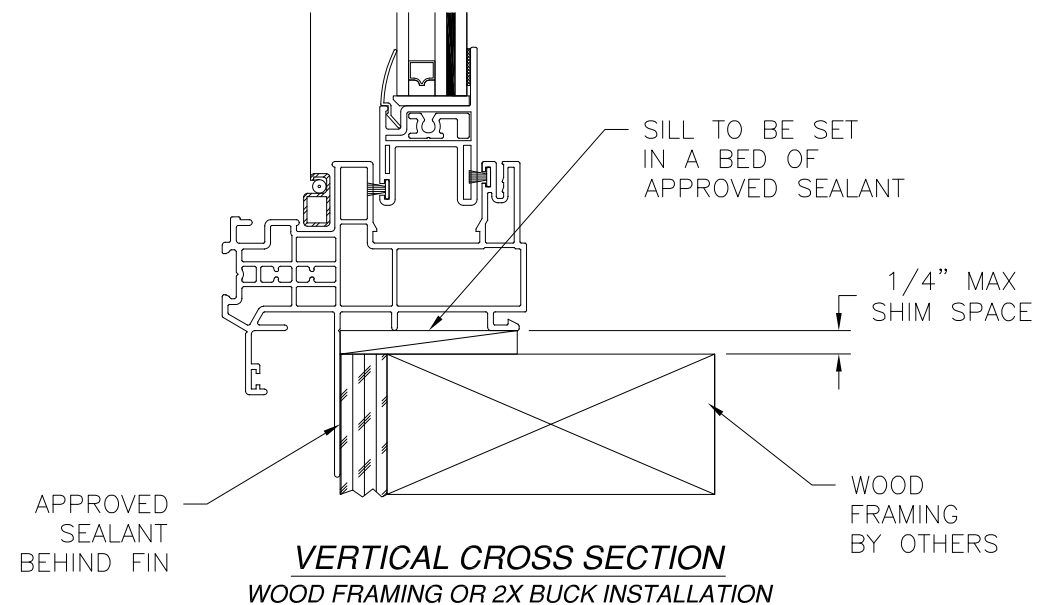
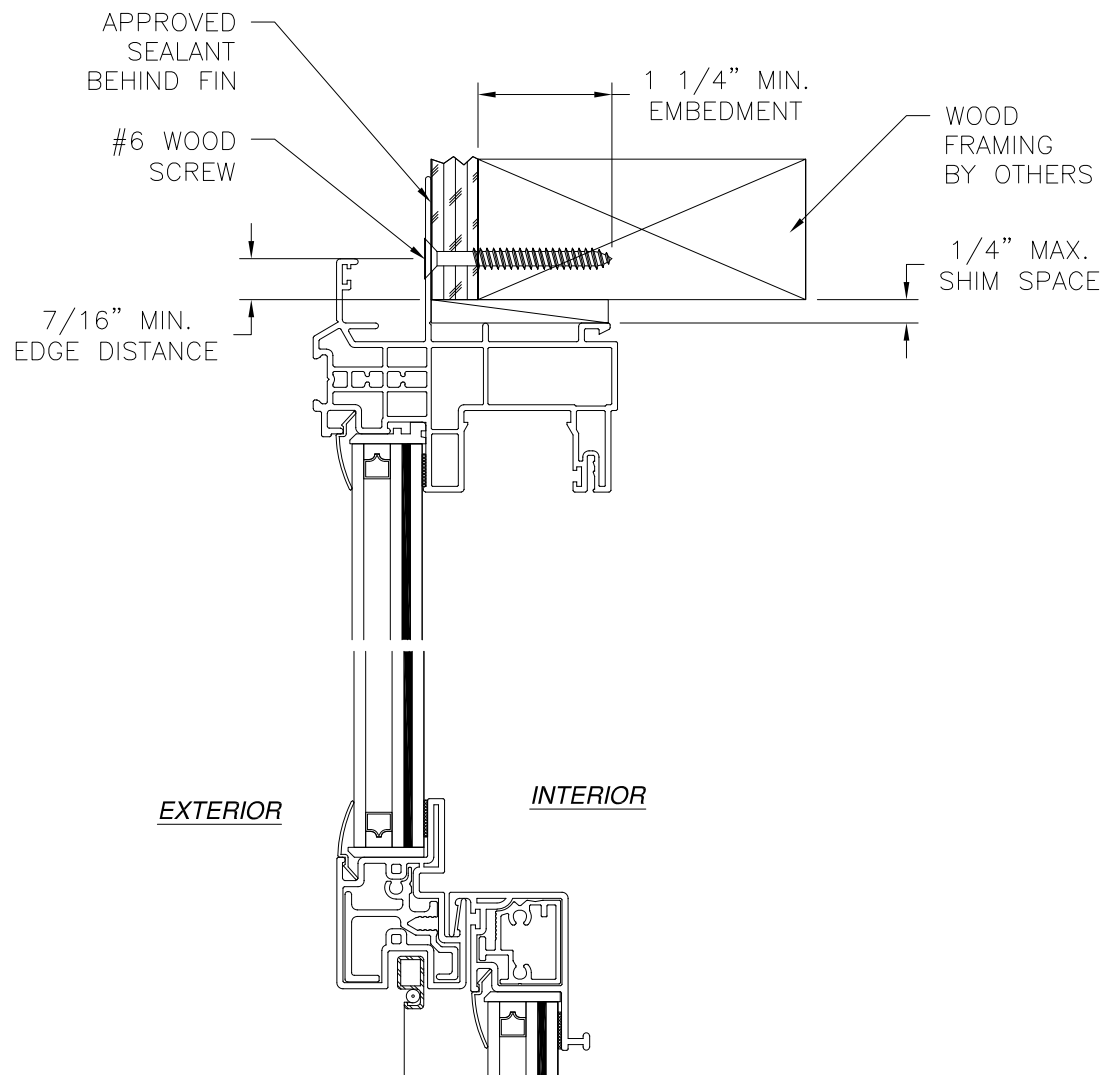
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ALL AMERICAN WINDOW COMPANY, LLC. 1930 HANAHAN ROAD SUITE 1400A NORTH CHARLESTON, SC 29406		
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DRAWN: A.R.	DWG NO. 08-03177	REV C
SCALE NTS	DATE 07/17/18	SHEET 16 OF 19
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

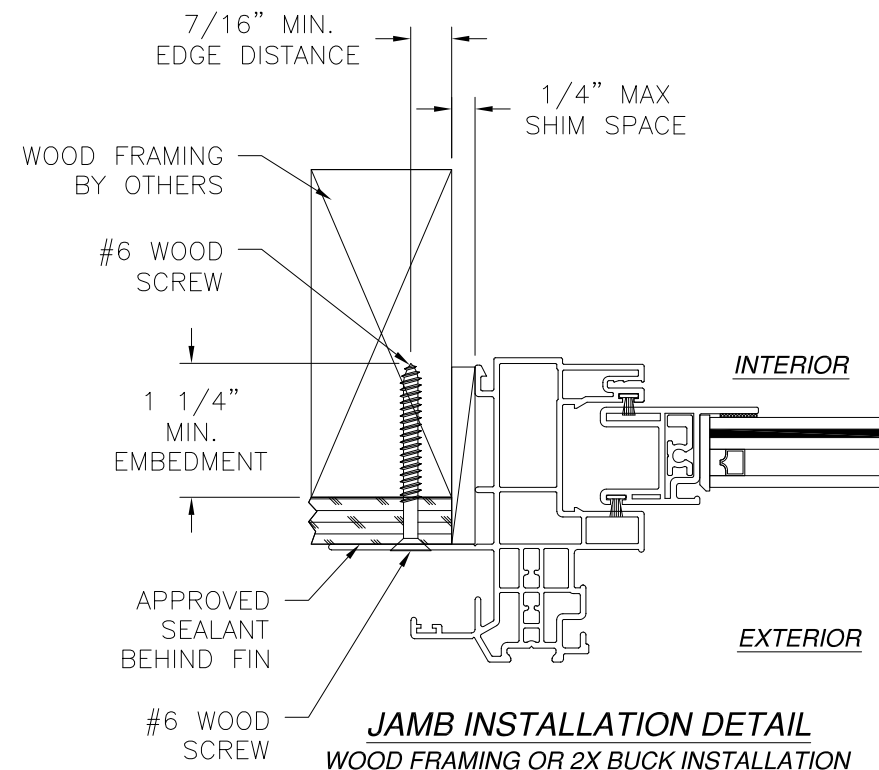


Luis R. Lomas P.E.  
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**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



**JAMB INSTALLATION DETAIL**  
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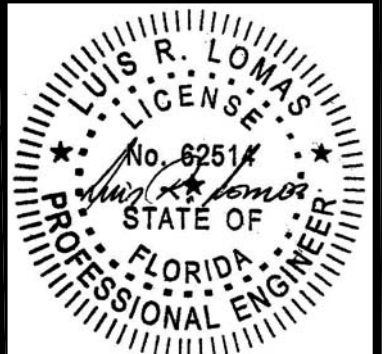
1930 HANAHAN ROAD SUITE 1400A  
NORTH CHARLESTON, SC 29406

SERIES 1900 SINGLE HUNG WINDOW  
53" X 75" – LARGE & SMALL MISSILE IMPACT  
FIN INSTALLATION DETAILS W/ J-CHANNEL

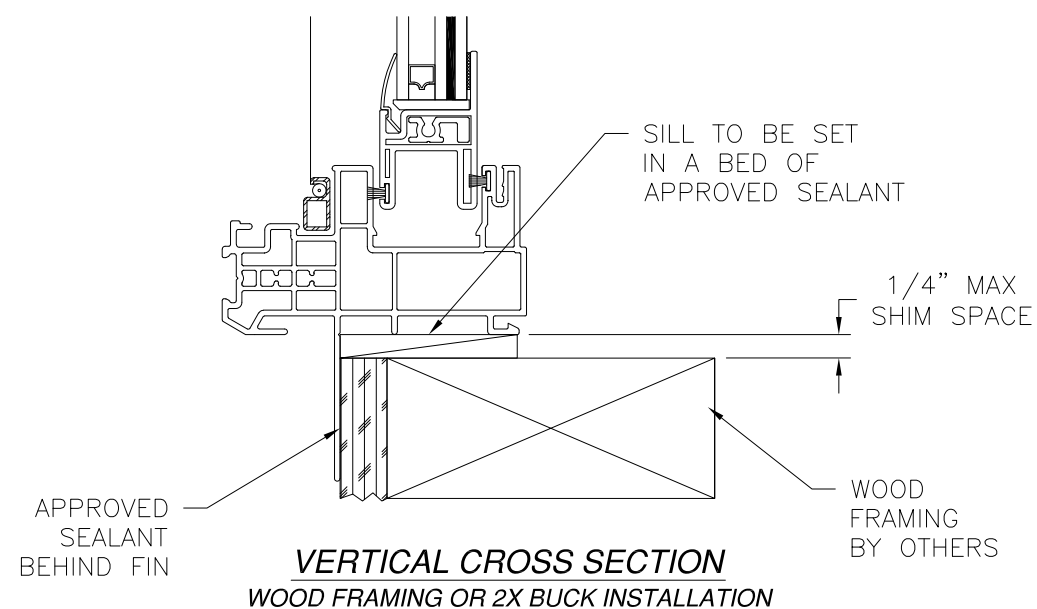
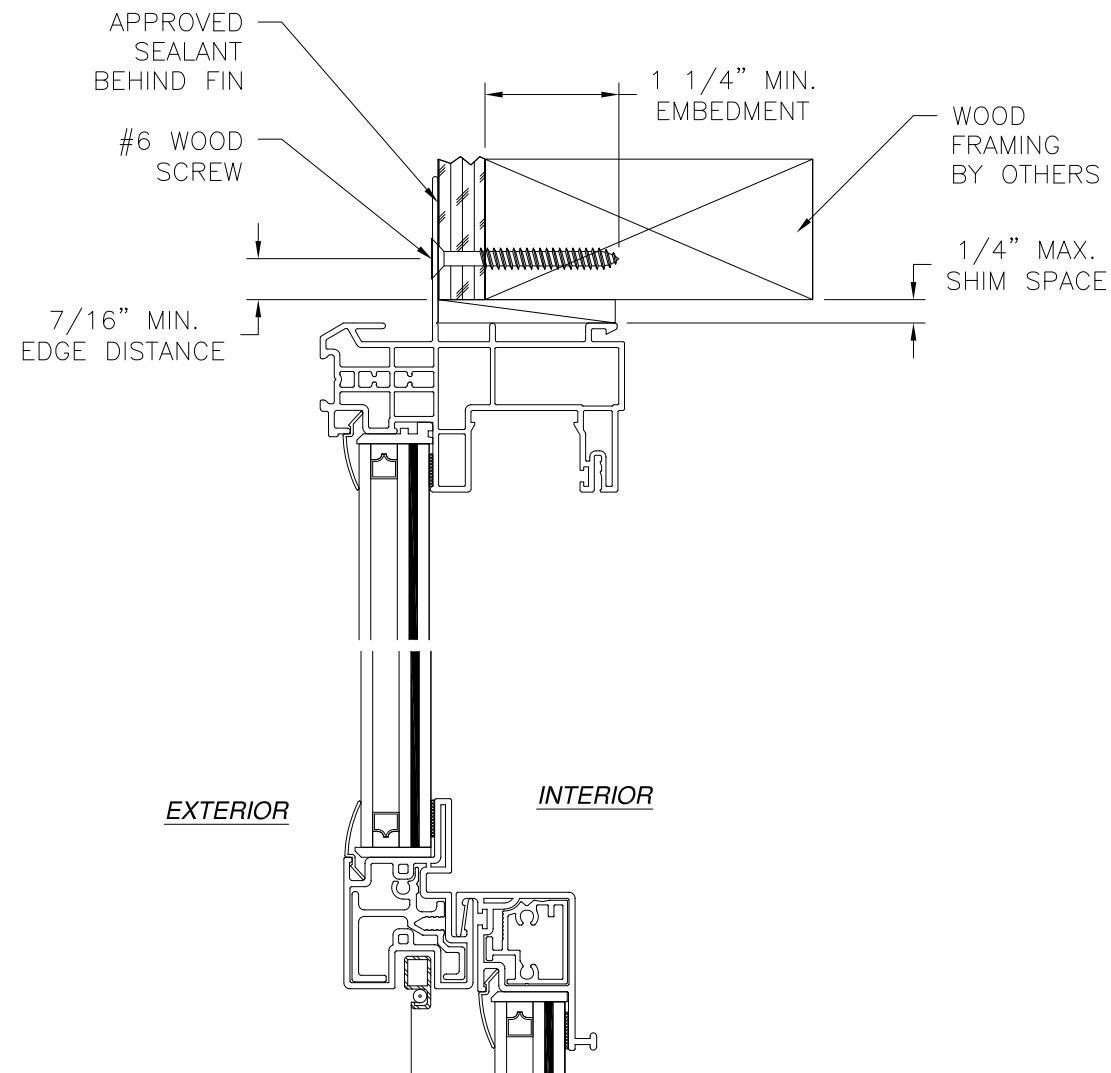
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SCALE NTS	DATE 07/17/18	SHEET 17 OF 19

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

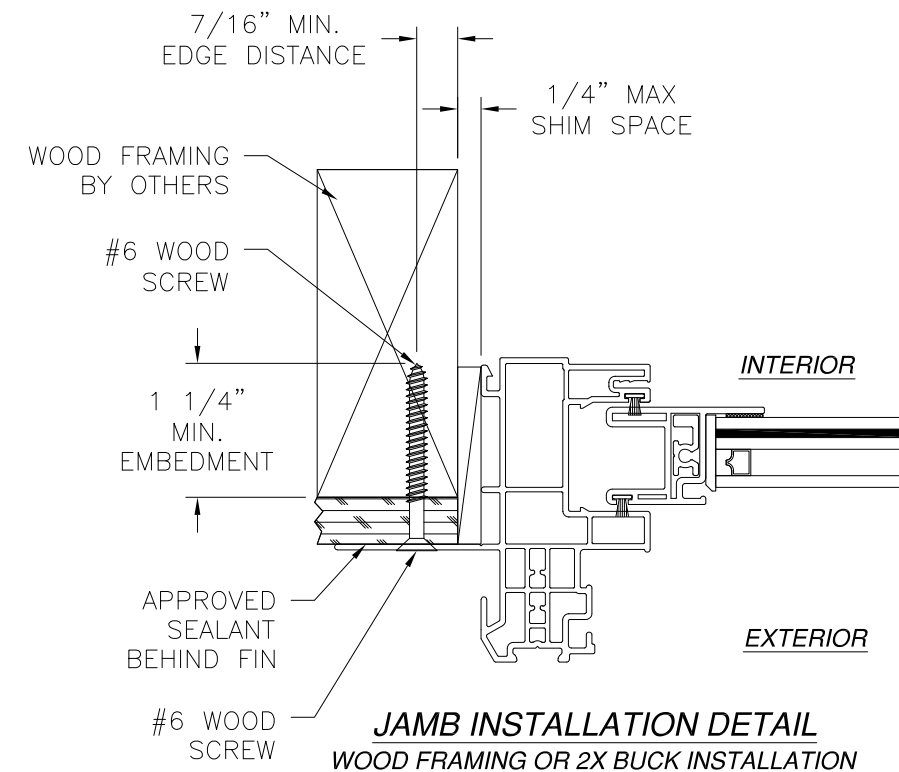
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C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	R.L.



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

SIGNED: 11/11/2021

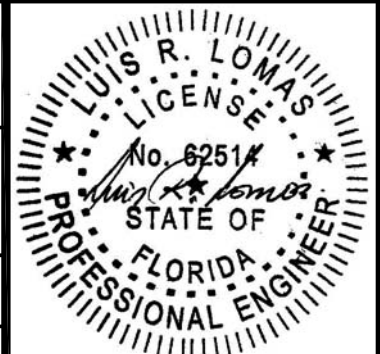
ALL AMERICAN WINDOW COMPANY, LLC.

1930 HANAHAN ROAD SUITE 1400A  
NORTH CHARLESTON, SC 29406

SERIES 1900 SINGLE HUNG WINDOW  
53" X 75" - LARGE & SMALL MISSILE IMPACT  
FIN INSTALLATION DETAILS WITH J-CHANNEL

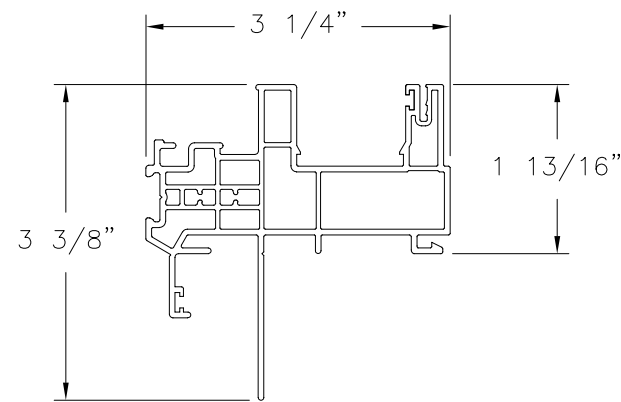
DRAWN: A.R.	DWG NO. 08-03177	REV C
SCALE NTS	DATE 07/17/18	SHEET 18 OF 19

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

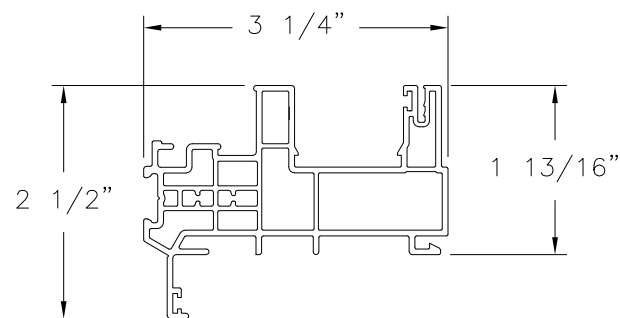


Luis R. Lomas P.E.  
FL No.: 62514

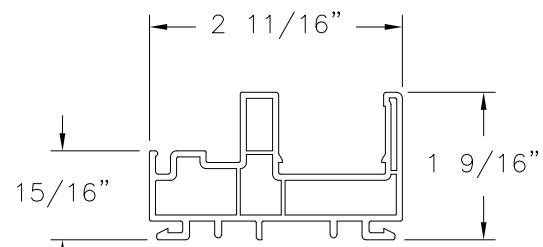
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	ADDED DESIGN PRESSURE CHARTS	10/28/2021	R.L.



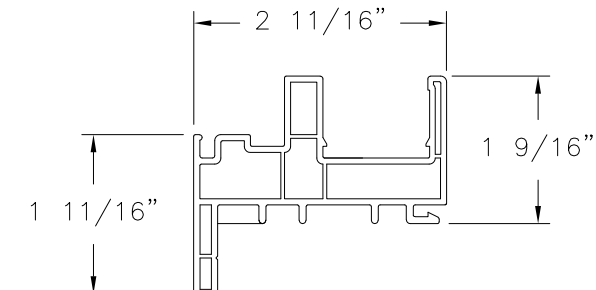
**FRAME B (CL-2930)**  
**FIN INSTALLATION**  
EXTRUDED PVC



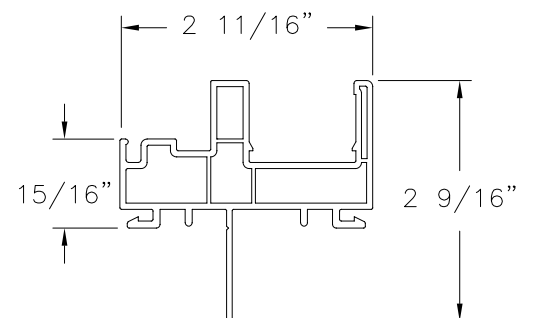
**FRAME B (CL-2930)**  
EXTRUDED PVC



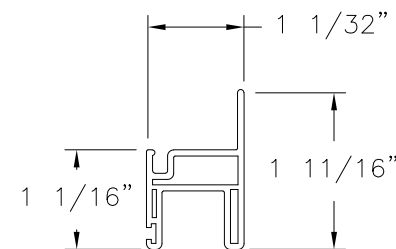
**MAIN FRAME**  
VINYL (606004)



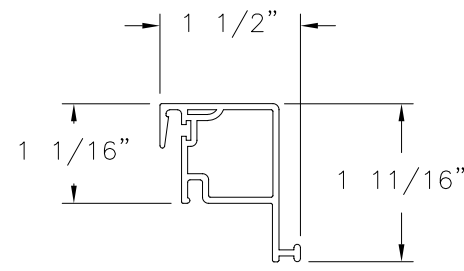
**MAIN FRAME WITH FLANGE**  
VINYL (606004)



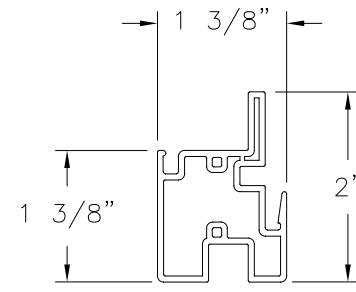
**MAIN FRAME WITH FIN**  
VINYL (606004)



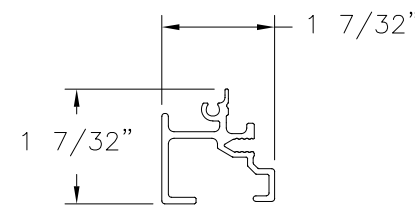
**BOTTOM RAIL**  
VINYL (606007)



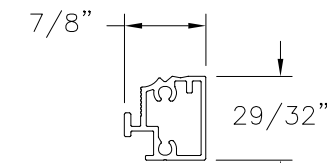
**SASH HEAD**  
VINYL (606005)



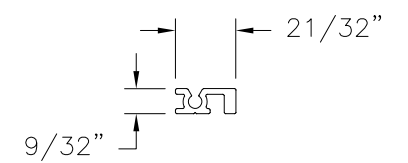
**MEETING RAIL**  
VINYL (606008)



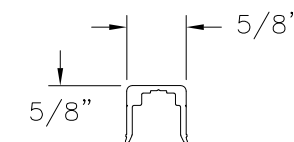
**MEETING RAIL  
REINFORCEMENT**  
VINYL (606008)



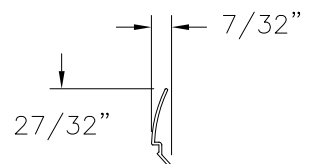
**SASH HEAD  
REINFORCEMENT**  
ALUMINUM 6063-T6 (606005)



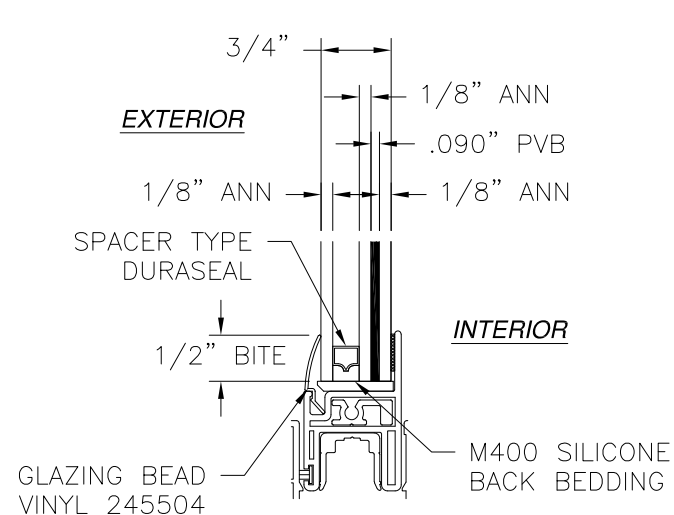
**BOTTOM RAIL  
INT. REINFORCEMENT**  
ALUMINUM 6063-T6 (T-13146)



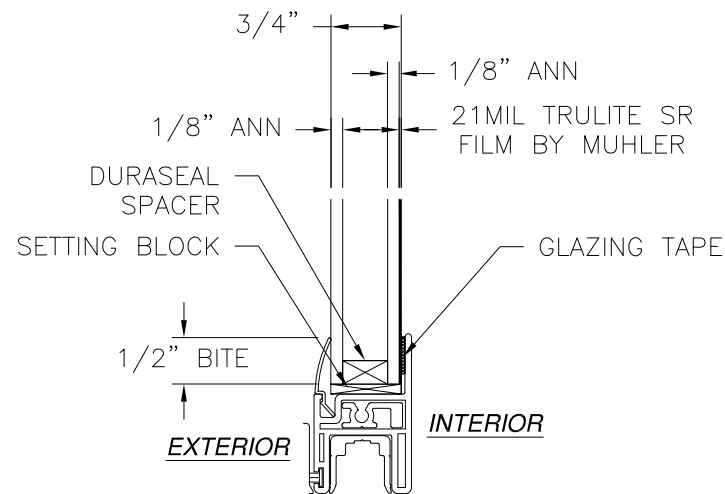
**BOTTOM RAIL  
EXT. REINFORCEMENT**  
ALUMINUM 6063-T5 (T-13145)



**GLAZING BEAD**  
VINYL (245504)



**GLAZING DETAIL A**



**GLAZING DETAIL B**

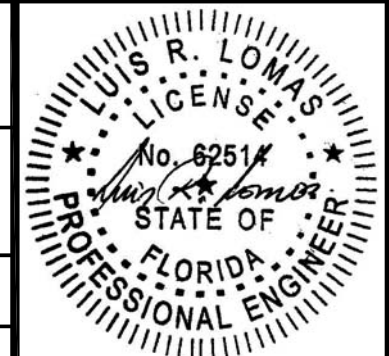
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SIGNED: 11/11/2021



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