

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	08/24/2023	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
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" 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. 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 UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. 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".
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 3 FOR GLASS DETAILS. FOR UNITS INSTALLED 30FT OR MORE ABOVE GROUND LEVEL GLAZING B MUST BE USED.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING USE ROOFING NAIL WITH SUFFICIENT LENGTH TO ACHIEVE A 2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
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 FIN 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.
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:
 - 20.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 20.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 20.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 20.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM

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16	COMPONENTS

SHWINCO ARCHITECTURAL PRODUCTS, LLC

171 JET SERVICES WAY
DOTHAN, AL 36303

SERIES 9050 HS WINDOW
IMPACT HVHZ
NOTES

DRAWN:
R.L.

DWG NO.
08-03555

REV
A

SCALE NTS

DATE 05/04/2020

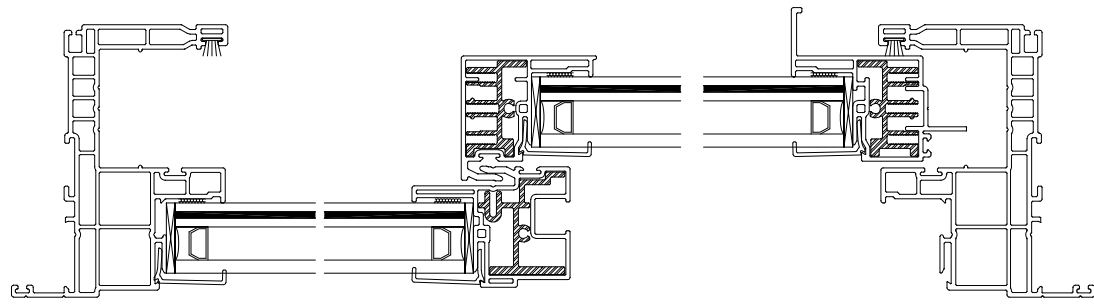
SHEET 1 OF 16

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

SIGNED: 08/24/2023

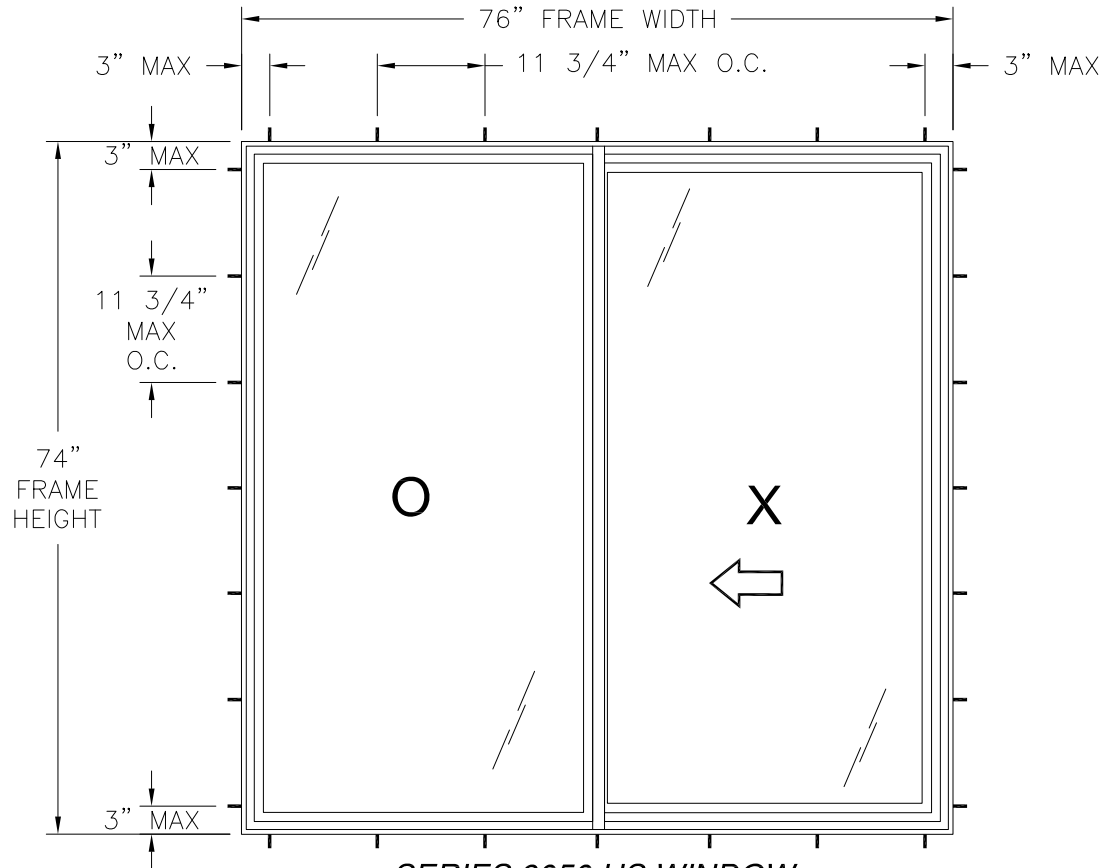


Luis R. Lomas P.E.
FL No.: 62514

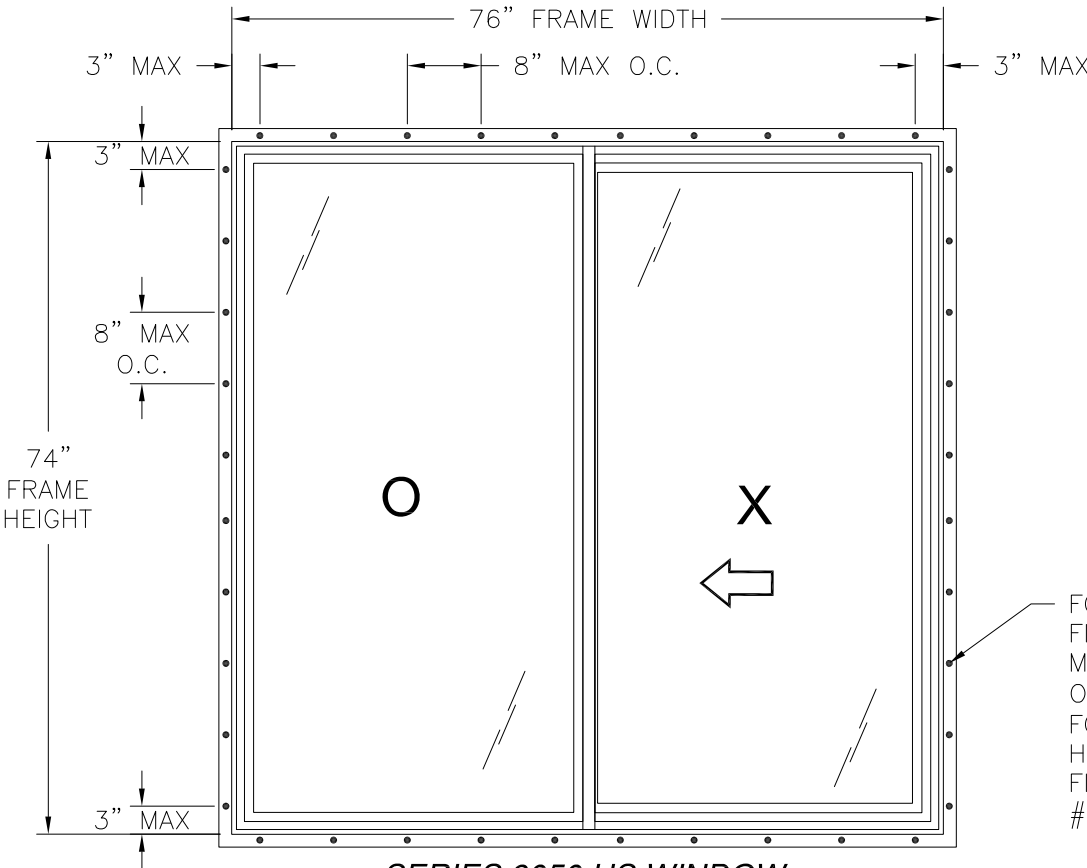


HORIZONTAL CROSS SECTION
FOR REFERENCE ONLY, SEE SHEETS 4 - 9 FOR INSTALLATION DETAILS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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SERIES 9050 HS WINDOW
EXTERIOR VIEW
FRAME INSTALLATION



SERIES 9050 HS WINDOW
EXTERIOR VIEW
FIN INSTALLATION

- NOTES:**
- SASH SIZE: 35 1/2" X 69 3/8"
 - D.L.O.: 33 13/16" X 67 3/8"

FOR UNITS RATED LESS THAN 60PSF
FIN ANCHORS
MAY BE ROOFING NAILS
OR #8 SCREWS
FOR UNITS RATED
HIGHER THAN 60PSF
FIN ANCHORS MUST BE
#8 SCREWS

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
35 1/2" X 68 7/8" PANELS SHOWN. OTHER SIZES APPROVED AS LONG
AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 16.98FT²
SEE CHARTS IN SHEET 3

HARDWARE SCHEDULE	
A.	(2) TANDEM PLASTIC ROLLER AND HOUSING (11552) BY VISION AT ACTIVE BOTTOM RAIL
B.	(2) LOCK (A09200411) WITH KEEPER BY TRUTH HARDWARE 6 1/2" FROM EACH END OF LOCK RAIL
C.	(2) TILT LATCH (HTL-133-310RH/LH) BY DALWORTH AT TOP AND BOTTOM OF LOCK RAIL
D.	(1) SASH LOCK (9200) BY TRUTH HARDWARE AT SASH MEETING RAIL
E.	ALUMINUM REINFORCEMENT (T-11211) BY TIFTON AT TOP AND BOTTOM RAIL
F.	ALUMINUM REINFORCEMENT (T-11222) BY TIFTON AT ACTIVE MEETING & PULL RAIL
G.	ALUMINUM REINFORCEMENT (T-11333) BY TIFTON AT FIXED MEETING RAIL

SHWINCO ARCHITECTURAL PRODUCTS, LLC
171 JET SERVICES WAY
DOTHAN, AL 36303
SERIES 9050 HS WINDOW
IMPACT HVHZ
ELEVATION

DRAWN: R.L.	DWG NO. 08-03555	REV A
SCALE NTS	DATE 05/04/2020	SHEET 2 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 08/24/2023



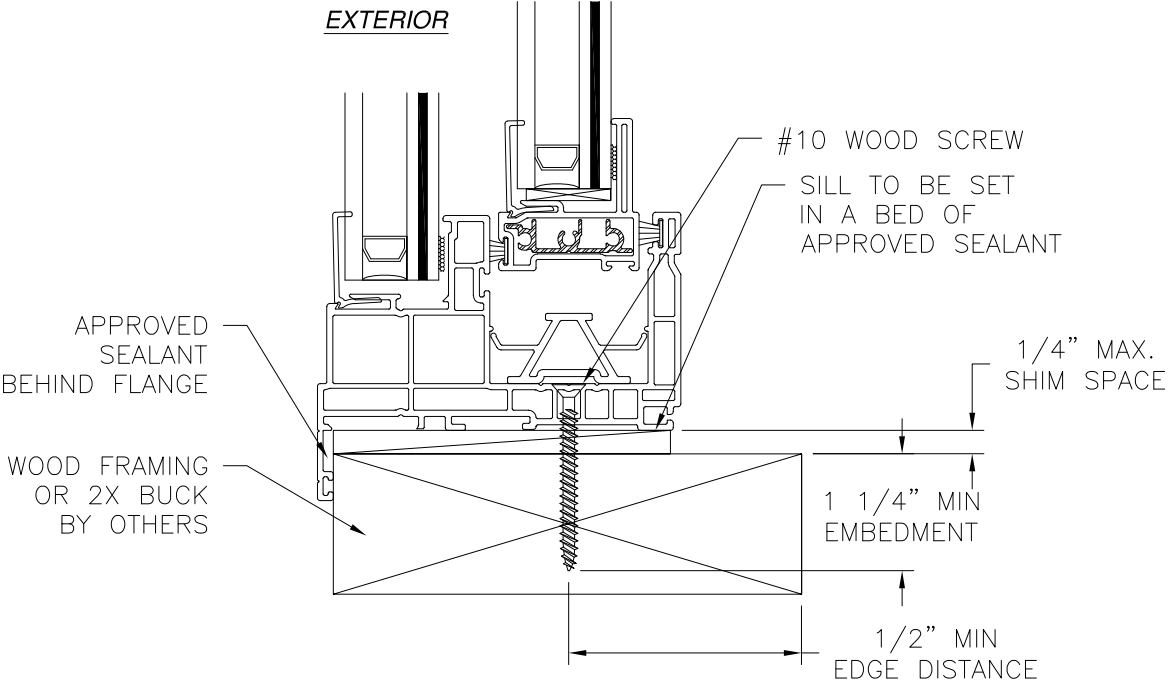
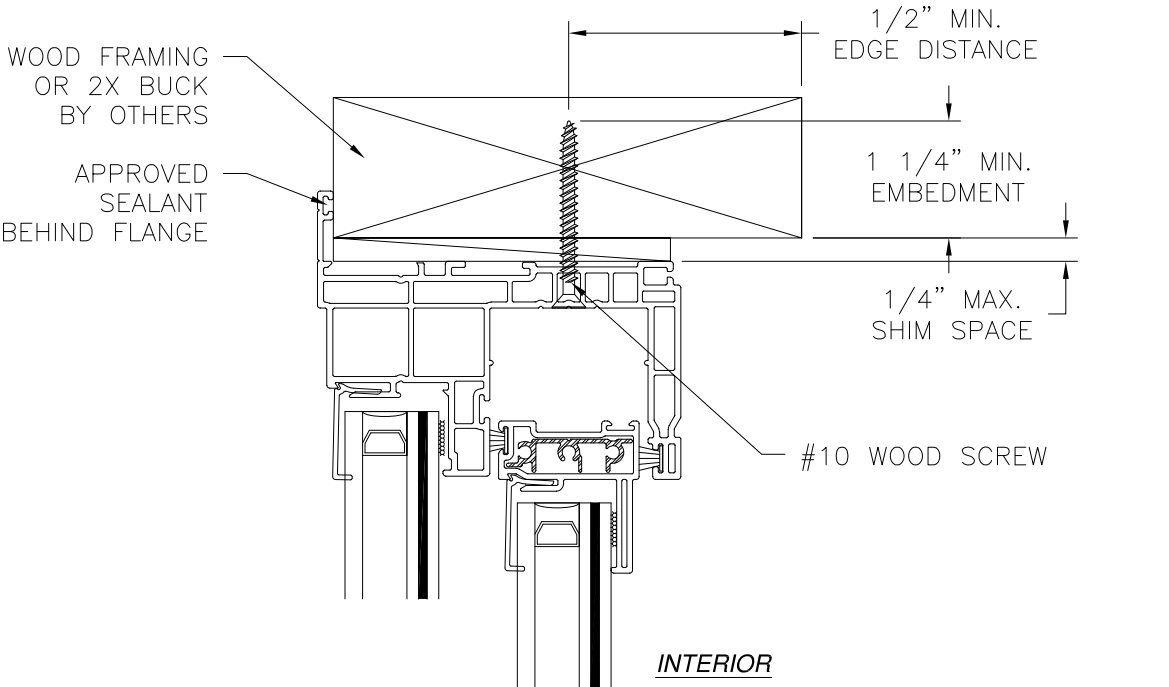
Luis R. Lomas P.E.
FL No.: 62514

Chart #1																												
Rating for units with standard sill (psf)																												
Frame width (in)	24.0		30.0		36.0		42.0		48.0		54.0		60.0		66.0		72.0		76.0		78.0		84.0		90.0		96.0	
Panel width (in)	12.0		15.0		18.0		21.0		24.0		27.0		30.0		33.0		36.0		38.0		39.0		42.0		45.0		48.0	
Height (in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
36.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0
42.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0
48.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	118.6	55.0	118.0	55.0	116.5	55.0	115.7	55.0	115.4
54.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	119.1	55.0	114.2	55.0	109.9	55.0	106.1	55.0	103.9	55.0	102.9	55.0	100.3	55.0	98.3	55.0	96.8
60.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	115.4	55.0	108.7	55.0	102.6	55.0	97.1	55.0	92.2	55.0	89.2	55.0	87.9	55.0	84.1	55.0	80.9	-	-
66.0	55.0	120.0	55.0	120.0	55.0	120.0	55.0	114.5	55.0	106.1	55.0	98.3	55.0	91.0	55.0	84.4	55.0	78.3	55.0	74.6	55.0	72.8	55.0	67.9	-	-	-	-
72.0	55.0	120.0	55.0	120.0	55.0	116.5	55.0	106.4	55.0	96.8	55.0	87.9	55.0	79.5	55.0	71.6	55.0	64.4	55.0	59.9	55.0	57.7	-	-	-	-	-	-
74.0	55.0	120.0	55.0	120.0	55.0	114.2	55.0	103.7	55.0	93.7	55.0	84.4	55.0	75.6	55.0	67.4	55.0	59.8	55.0	55.0	-	-	-	-	-	-	-	-
78.0	55.0	120.0	55.0	120.0	55.0	109.6	55.0	98.3	55.0	87.6	55.0	77.4	55.0	67.9	55.0	58.9	50.5	50.5	-	-	-	-	-	-	-	-	-	-
84.0	55.0	120.0	55.0	115.7	55.0	102.6	55.0	90.2	55.0	78.3	55.0	67.0	55.0	56.3	46.2	46.2	-	-	-	-	-	-	-	-	-	-	-	-
90.0	55.0	120.0	55.0	109.9	55.0	95.7	55.0	82.1	55.0	69.0	55.0	56.6	44.7	44.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96.0	55.0	120.0	55.0	104.1	55.0	88.7	55.0	74.0	55.0	59.8	46.2	46.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

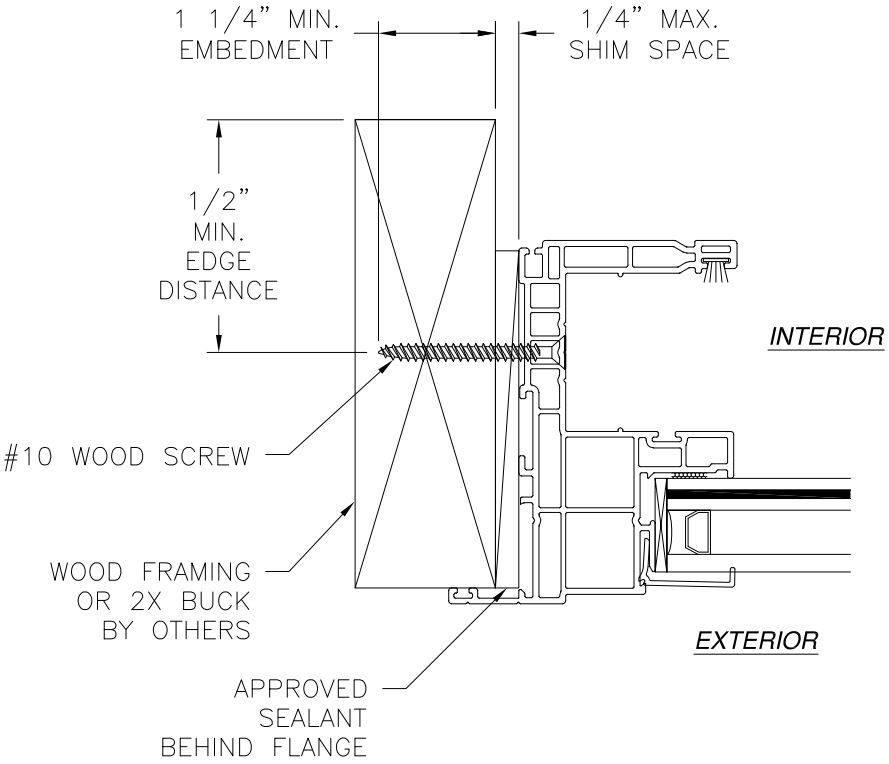
Chart #2																												
Rating for units with 3/4" sill riser (psf)																												
Frame width (in)	24.0		30.0		36.0		42.0		48.0		54.0		60.0		66.0		72.0		76.0		78.0		84.0		90.0		96.0	
Panel width (in)	12.0		15.0		18.0		21.0		24.0		27.0		30.0		33.0		36.0		38.0		39.0		42.0		45.0		48.0	
Height (in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
36.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0
42.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0
48.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	118.6	80.0	118.0	80.0	116.5	80.0	115.7	80.0	115.4
54.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	119.1	80.0	114.2	80.0	109.9	80.0	106.1	80.0	103.9	80.0	102.9	80.0	100.3	80.0	98.3	80.0	96.8
60.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	115.4	80.0	108.7	80.0	102.6	80.0	97.1	80.0	92.2	80.0	89.2	80.0	87.9	80.0	84.1	80.0	80.9	-	-
66.0	80.0	120.0	80.0	120.0	80.0	120.0	80.0	114.5	80.0	106.1	80.0	98.3	80.0	91.0	80.0	84.4	78.3	78.3	74.6	74.6	72.8	72.8	67.9	67.9	-	-	-	-
72.0	80.0	120.0	80.0	120.0	80.0	116.5	80.0	106.4	80.0	96.8	80.0	87.9	79.5	79.5	71.6	71.6	64.4	64.4	59.9	59.9	57.7	57.7	-	-	-	-	-	-
74.0	80.0	120.0	80.0	120.0	80.0	114.2	80.0	103.7	80.0	93.7	80.0	84.4	75.6	75.6	67.4	67.4	59.8	59.8	55.0	55.0	-	-	-	-	-	-	-	-
78.0	80.0	120.0	80.0	120.0	80.0	109.6	80.0	98.3	80.0	87.6	77.4	77.4	67.9	67.9	58.9	58.9	50.5	50.5	-	-	-	-	-	-	-	-	-	-
84.0	80.0	120.0	80.0	115.7	80.0	102.6	80.0	90.2	78.3	78.3	67.0	67.0	56.3	56.3	46.2	46.2	-	-	-	-	-	-	-	-	-	-	-	-
90.0	80.0	120.0	80.0	109.9	80.0	95.7	80.0	82.1	69.0	69.0	56.6	56.6	44.7	44.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96.0	80.0	120.0	80.0	104.1	80.0	88.7	74.0	74.0	59.8	59.8	46.2	46.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Chart #3																												
Rating for units with 2" sill riser (psf)																												
Frame width (in)	24.0		30.0		36.0		42.0		48.0		54.0		60.0		66.0		72.0		76.0		78.0		84.0		90.0		96.0	
Panel width (in)	12.0		15.0		18.0		21.0		24.0		27.0		30.0		33.0		36.0		38.0		39.0		42.0		45.0		48.0	
Height (in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
36.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	118.6	118.6	118.0	118.0	116.5	116.5	115.7	115.7	115.4	115.4	115.4
54.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	119.1	119.1	114.2	114.2	109.9	109.9	106.1	106.1	103.9	103.9	102.9	102.9	100.3	100.3	98.3	98.3	96.8	96.8
60.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	115.4	115.4	108.7	108.7	102.6	102.6	97.1	97.1	92.2	92.2	89.2	89.2	87.9	87.9	84.1	84.1	80.9	80.9	-	-
66.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	114.5	114.5	106.1	106.1	98.3	98.3	91.0	91.0	84.4	84.4	78.3	78.3	74.6	74.6	72.8	72.8	67.9	67.9	-	-	-
72.0	120.0	120.0	120.0	120.0	116.5	116.5	106.4	106.4	96.8	96.8	87.9	87.9	79.5	79.5	71.6	71.6	64.4	64.4	59.9	59.9	57.7	57.7	-	-	-	-	-	-
74.0	120.0	120.0	120.0	120.0	114.2	114.2	103.7	103.7	93.7	93.7	84.4	84.4	75.6	75.6	67.4	67.4	59.8	59.8	55.0	55.0	-	-	-	-	-	-	-	-
78.0	120.0	120.0	120.0	120.0	109.6	109.6	98.3	98.3	87.6	87.6	77.4	77.4	67.9	67.9	58.9	58.9	50.5	50.5	-	-	-	-	-	-	-	-	-	-
84.0	120.0	120.0	115.7	115.7	102.6	102.6	90.2	90.2	78.3	78.3	67.0	67.0	56.3	56.3	46.2	46.2	-	-	-	-	-	-	-	-	-	-	-	-
90.0	120.0	120.0	109.9	109.9	95.7	95.7	82.1	82.1	69.0	69.0	56.6	56.6	44.7	44.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96.0	120.0	120.0	104.1	104.1	88.7	88.7	74.0	74.0	59.8	59.8	46.2	46.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

REVISIONS			
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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
 3. WATER PROOFING IS INSTALLER'S RESPONSIBILITY AND MUST BE DONE PER FMA/AAMA/WDMA STANDARDS.

SHWINCO ARCHITECTURAL PRODUCTS, LLC
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SERIES 9050 HS WINDOW
IMPACT HVHZ
FLANGE INSTALLATION DETAILS

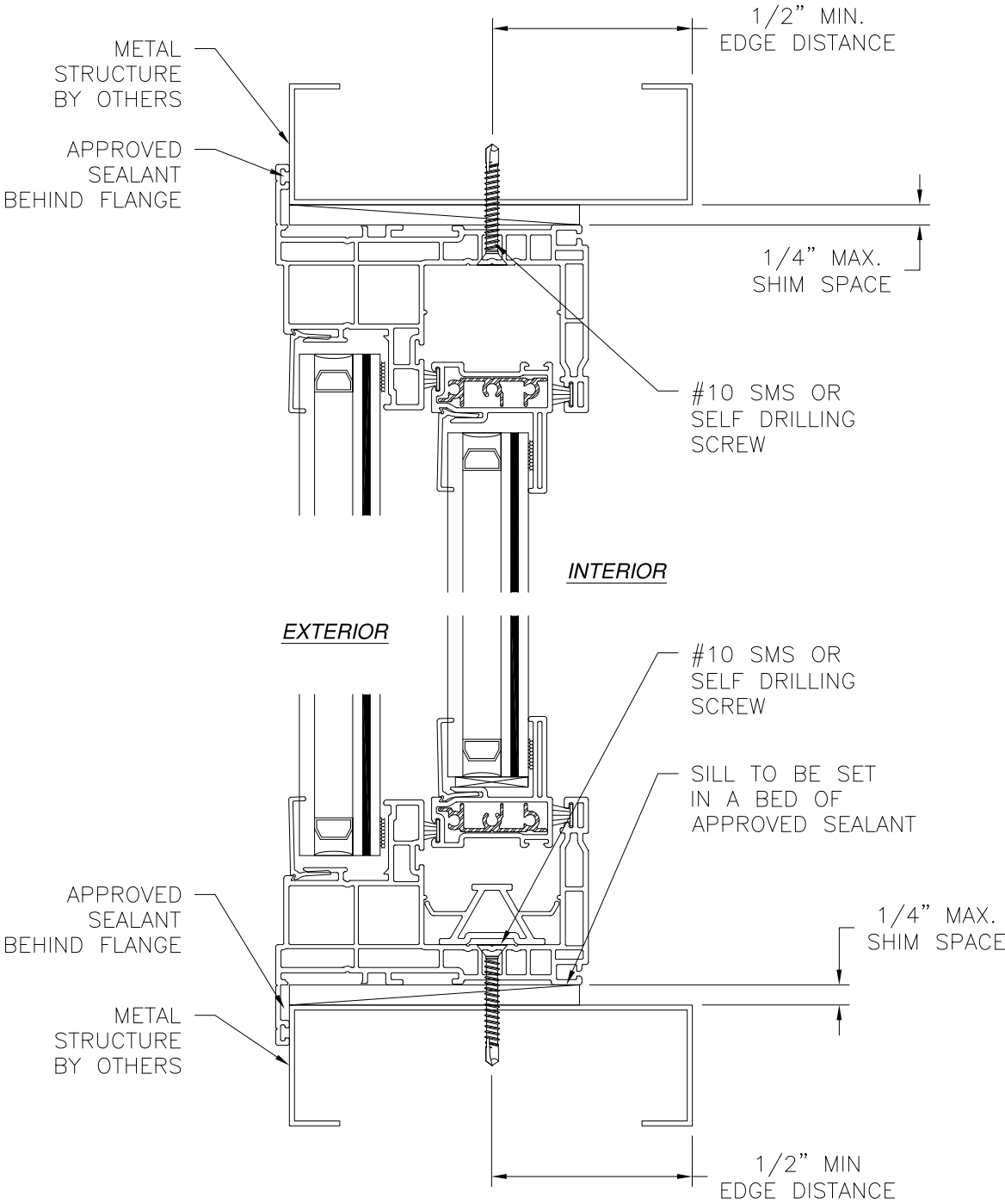
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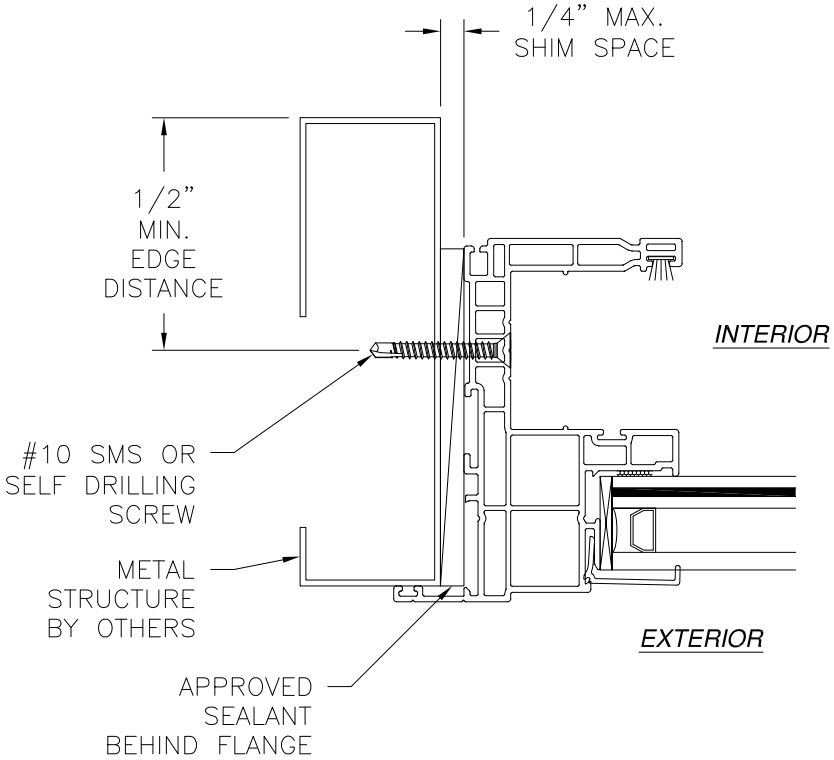


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A	REVISED PER NEW CODE	08/24/2023	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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SHWINCO ARCHITECTURAL PRODUCTS, LLC
171 JET SERVICES WAY
DOTHAN, AL 36303

SERIES 9050 HS WINDOW
IMPACT HVHZ
FLANGE INSTALLATION DETAILS

DRAWN:
R.L.

DWG NO.
08-03555

REV
A

SCALE NTS
DATE 05/04/2020
SHEET 5 OF 16

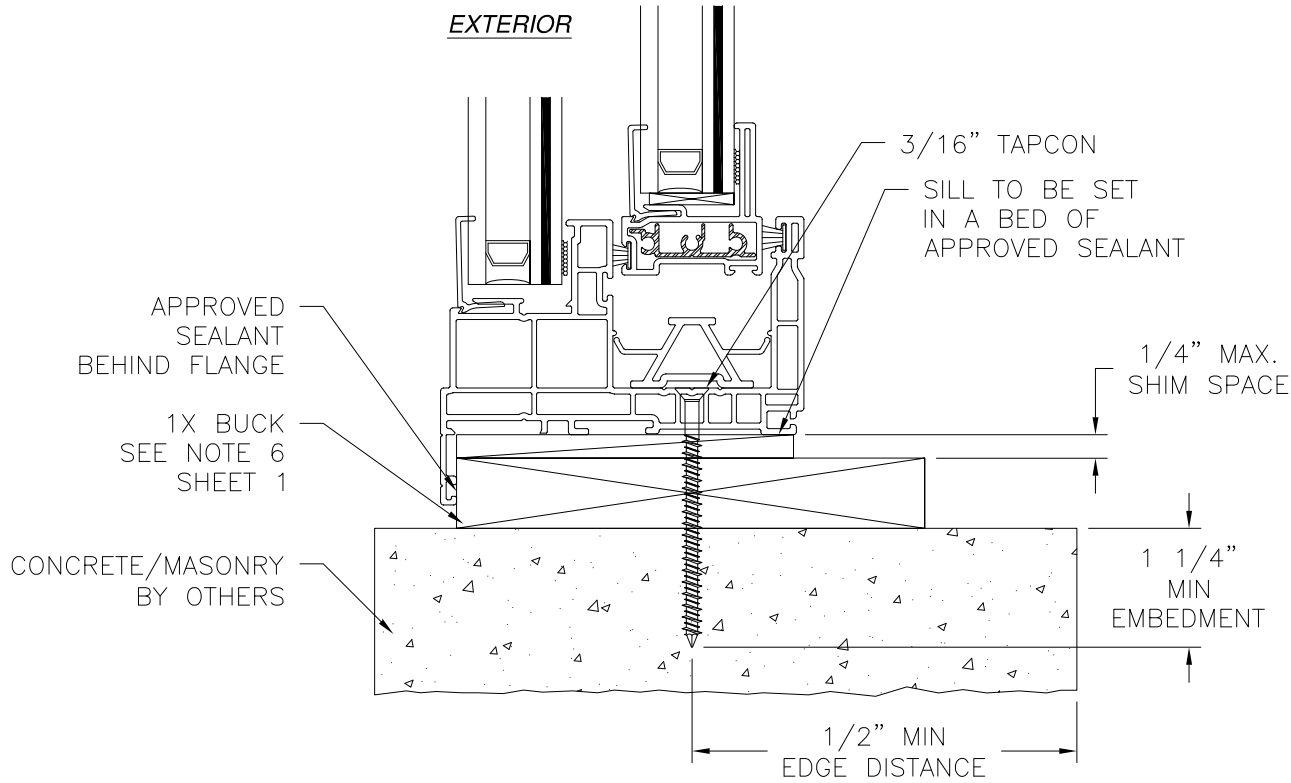
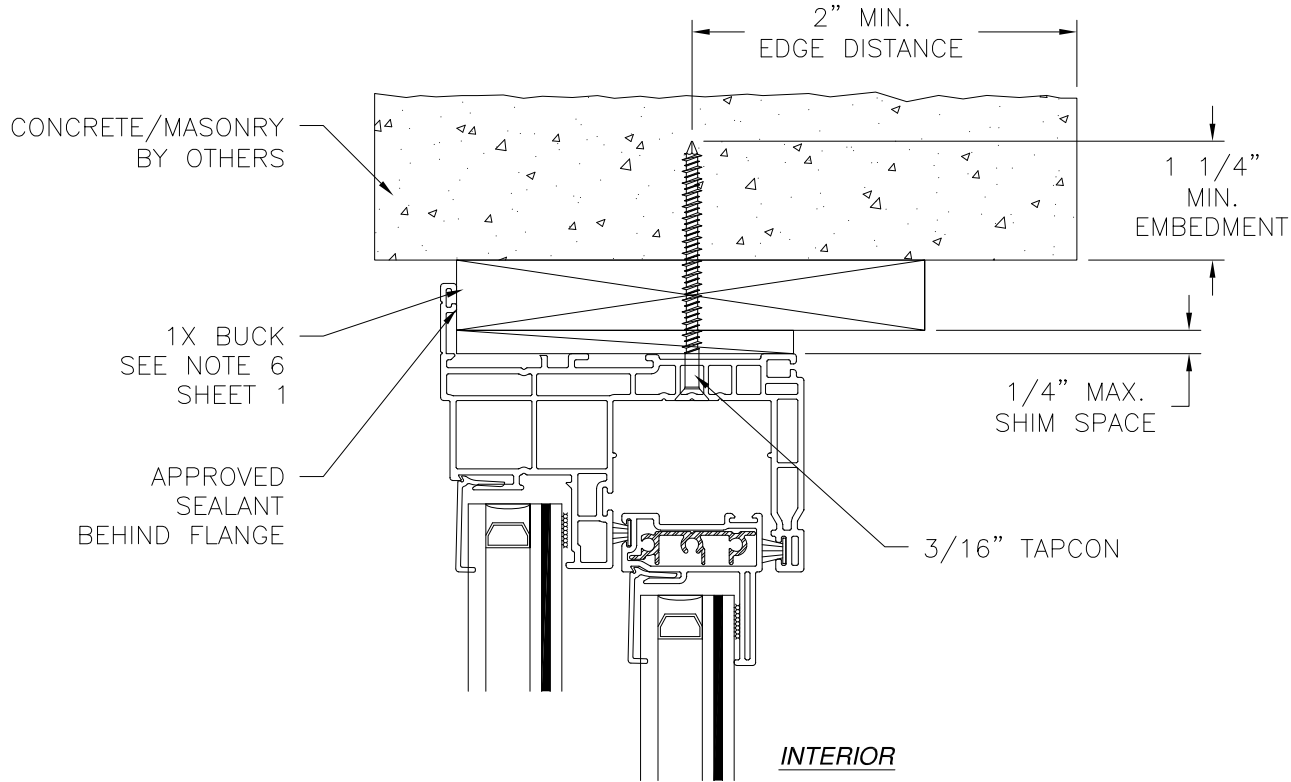
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/24/2023

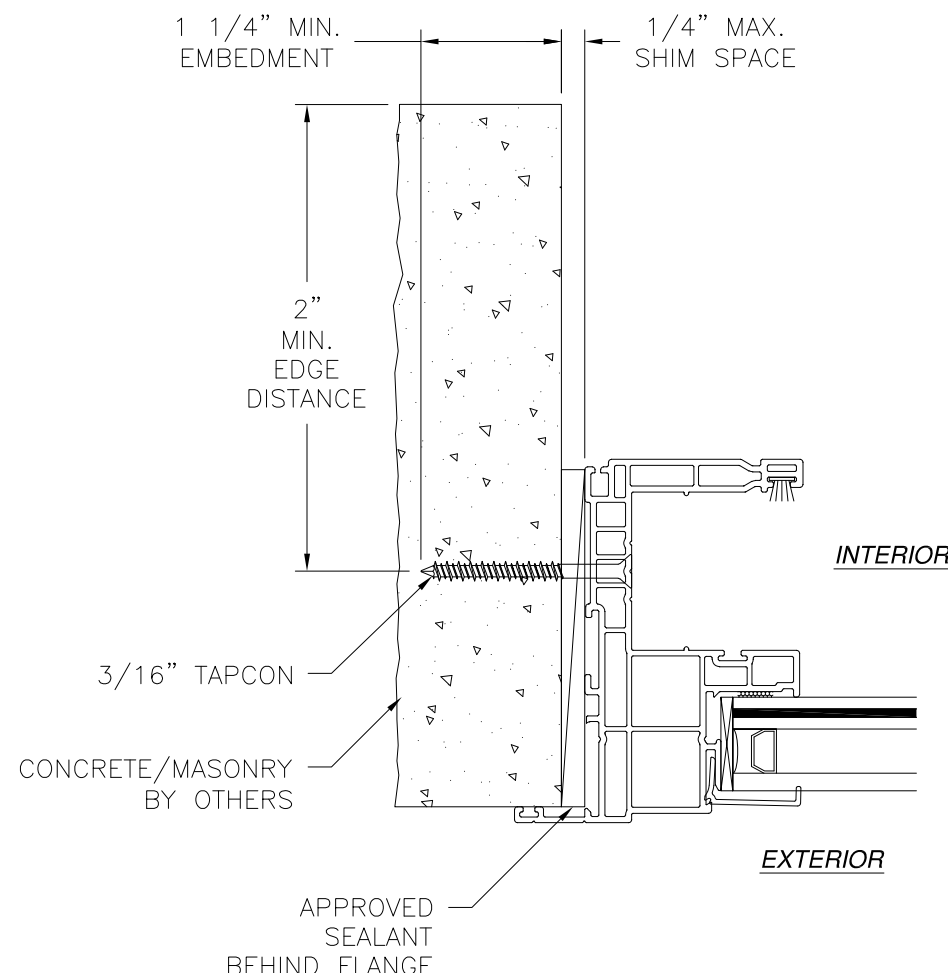


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
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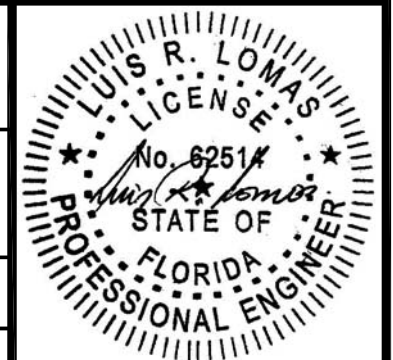
SHWINCO ARCHITECTURAL PRODUCTS, LLC
171 JET SERVICES WAY
DOTHAN, AL 36303

SERIES 9050 HS WINDOW
IMPACT HVHZ
FLANGE INSTALLATION DETAILS

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SCALE NTS	DATE 05/04/2020	SHEET 6 OF 16

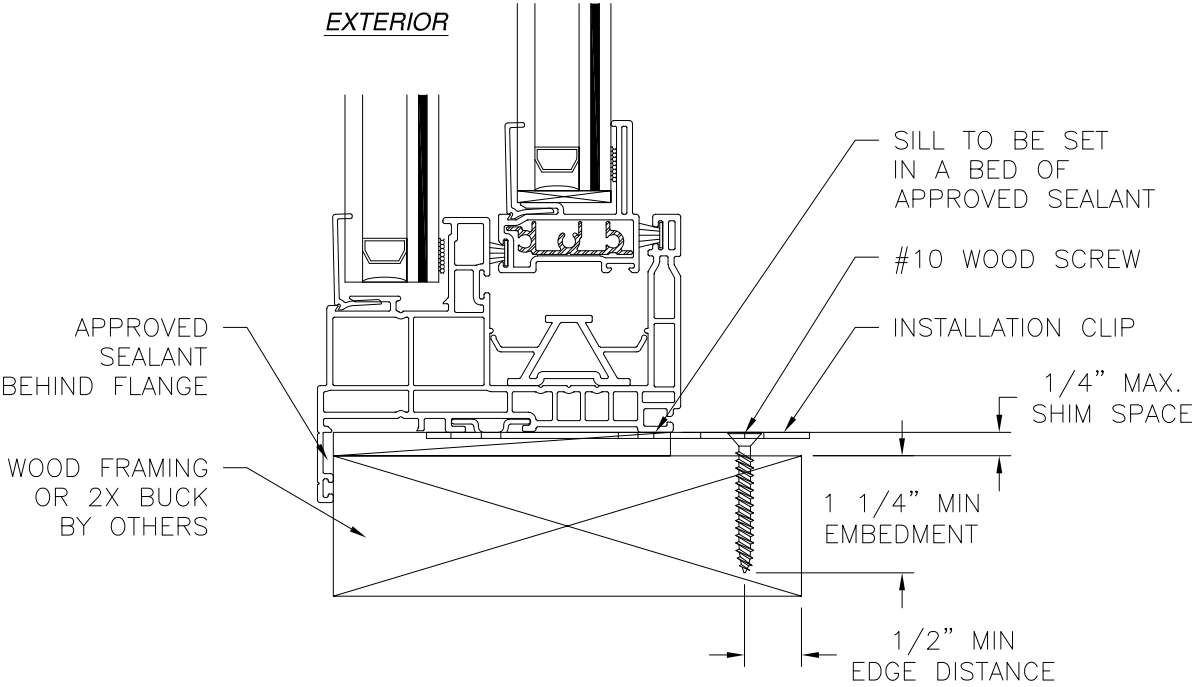
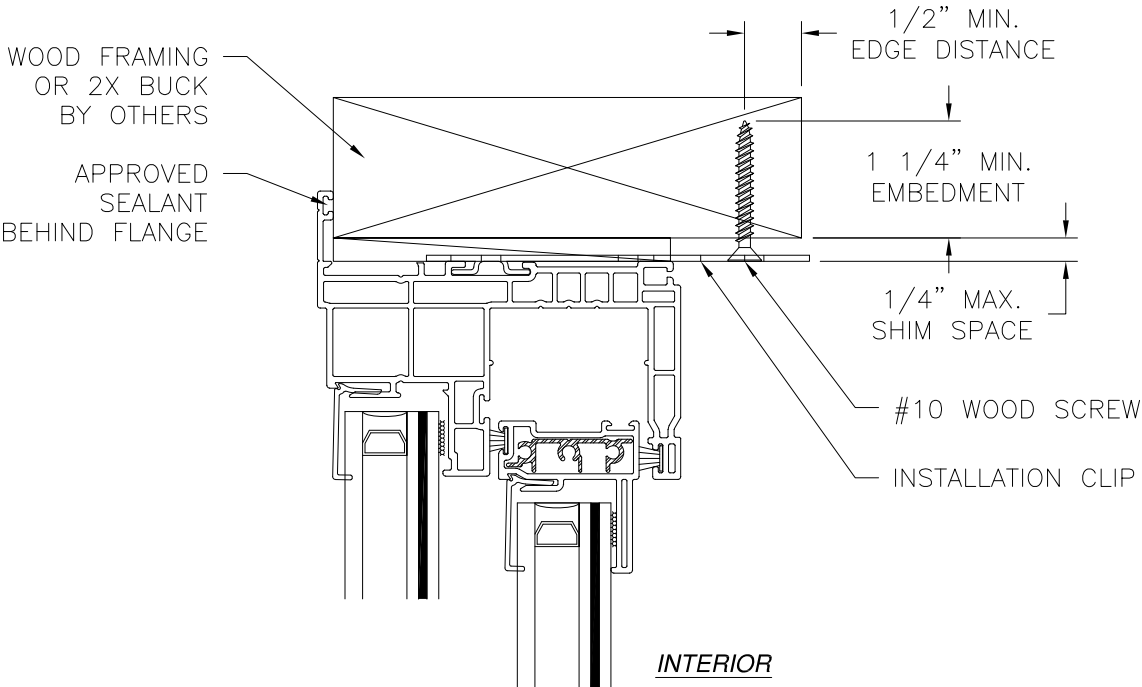
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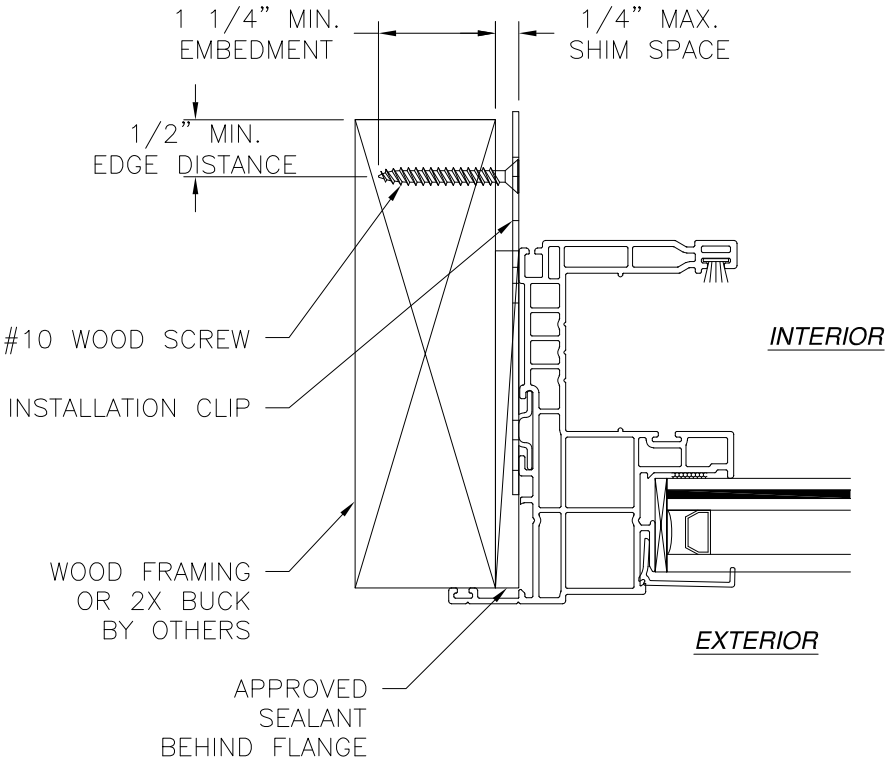


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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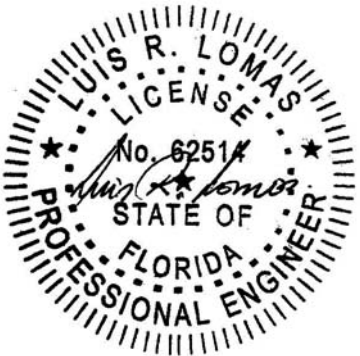
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SHWINCO ARCHITECTURAL PRODUCTS, LLC
171 JET SERVICES WAY
DOTHAN, AL 36303

SERIES 9050 HS WINDOW
IMPACT HVHZ
CLIP INSTALLATION DETAILS

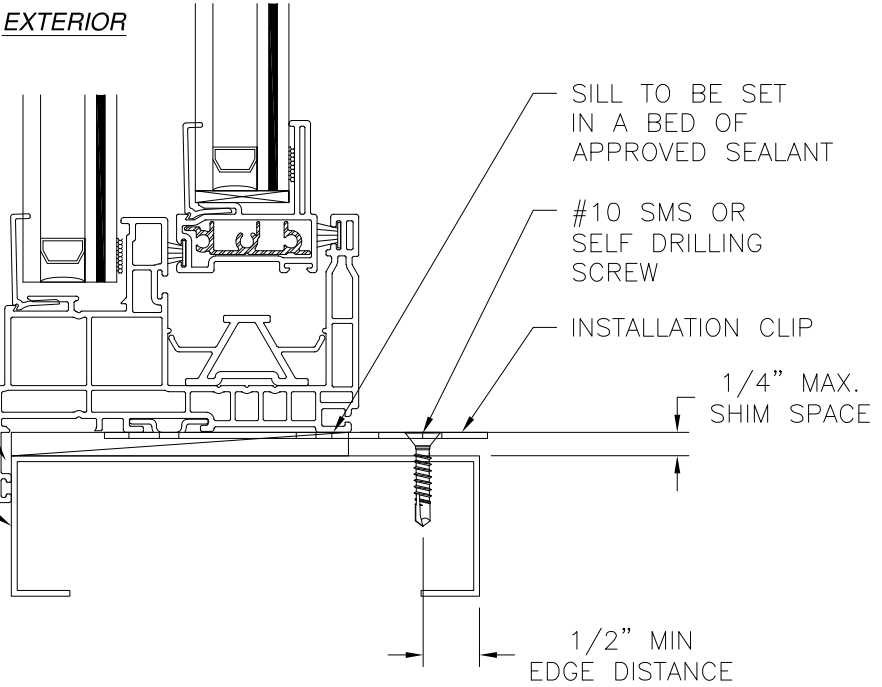
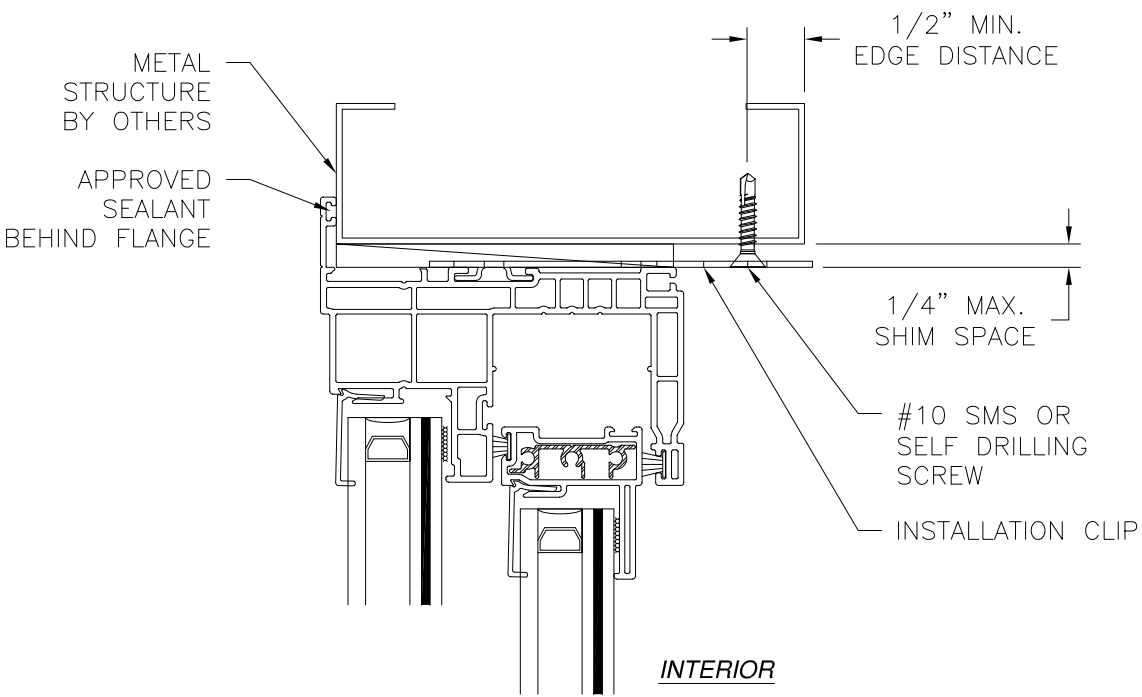
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SCALE NTS	DATE 05/04/2020	SHEET 7 OF 16

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208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

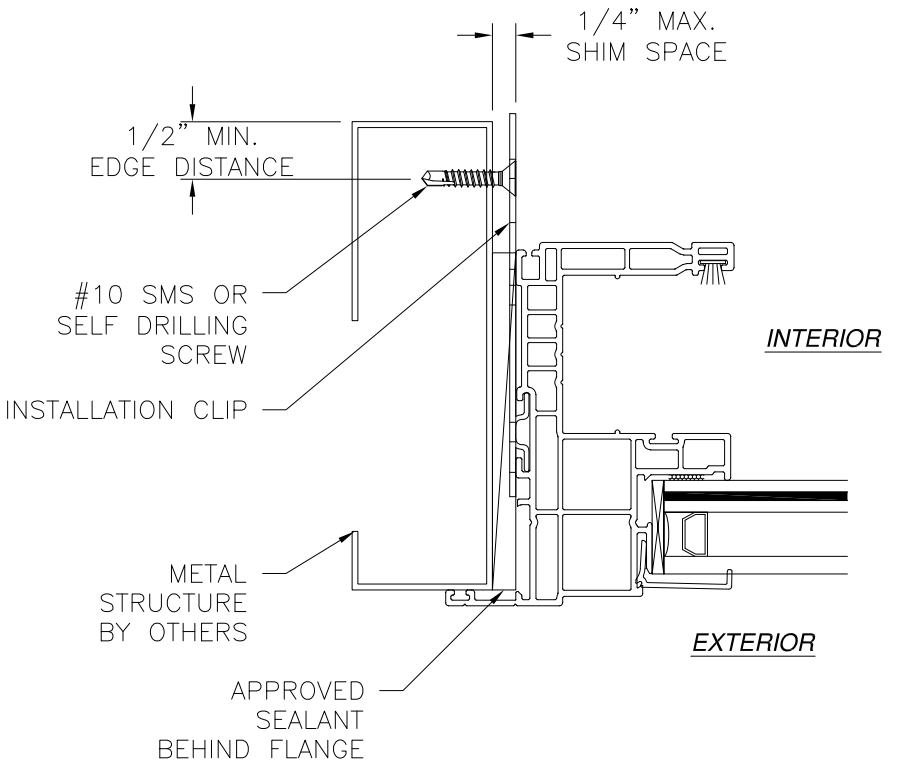


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

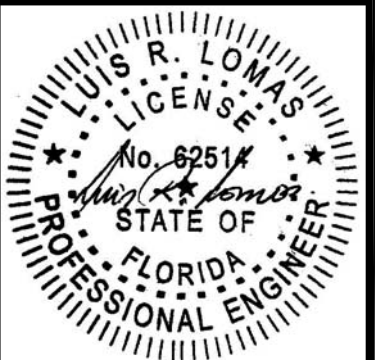


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

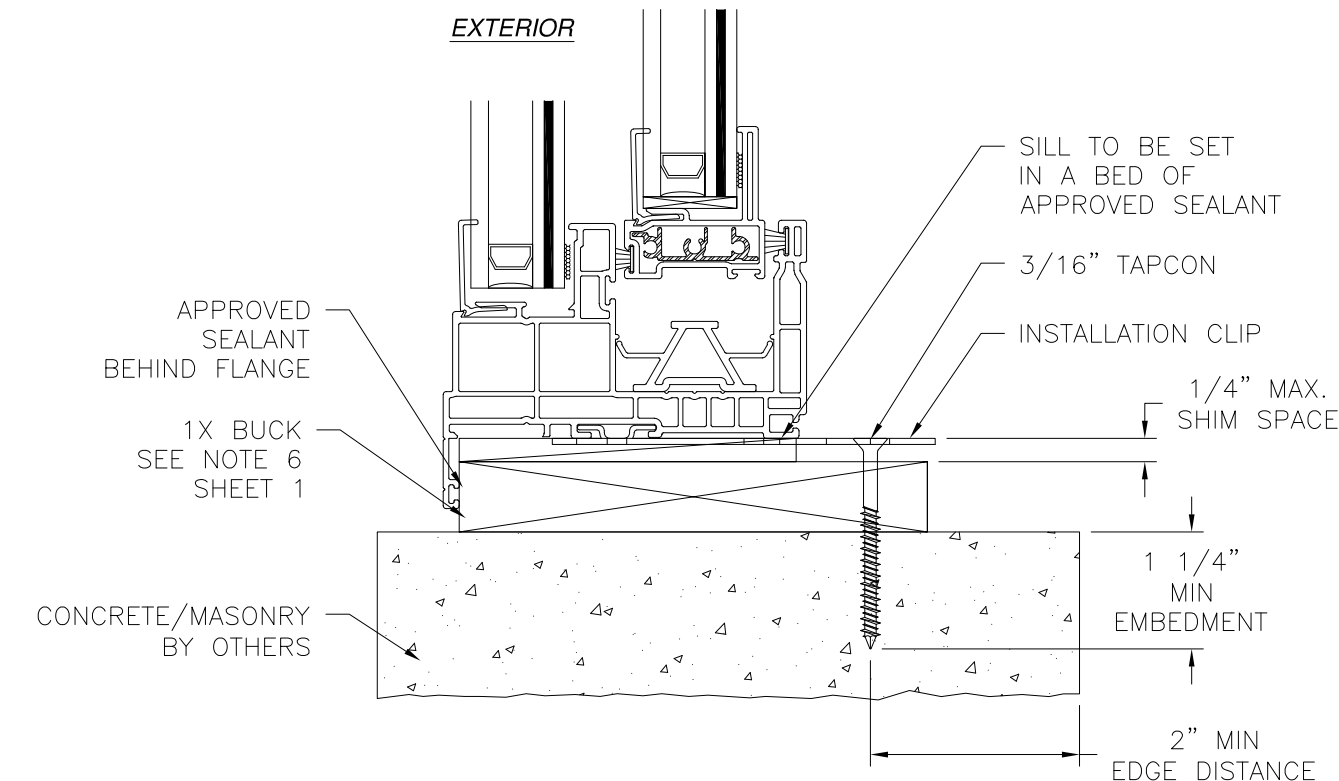
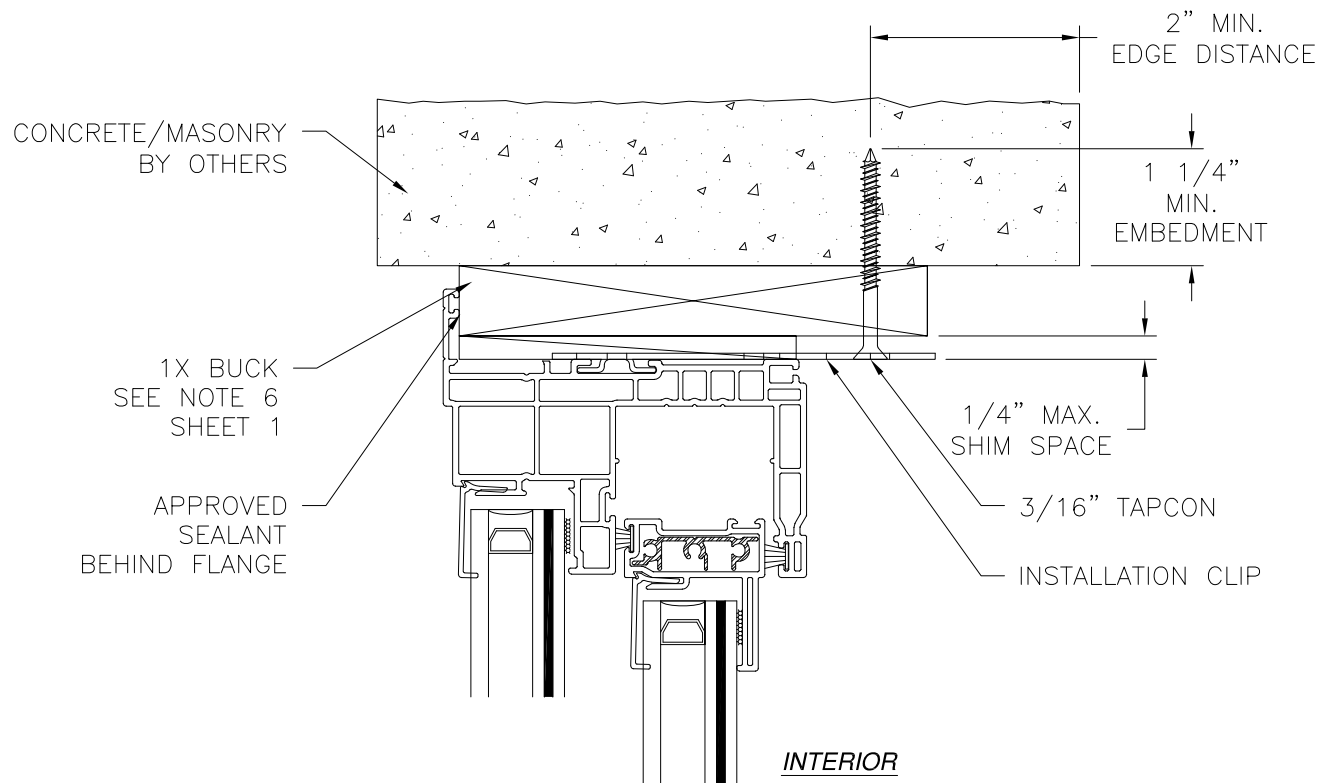
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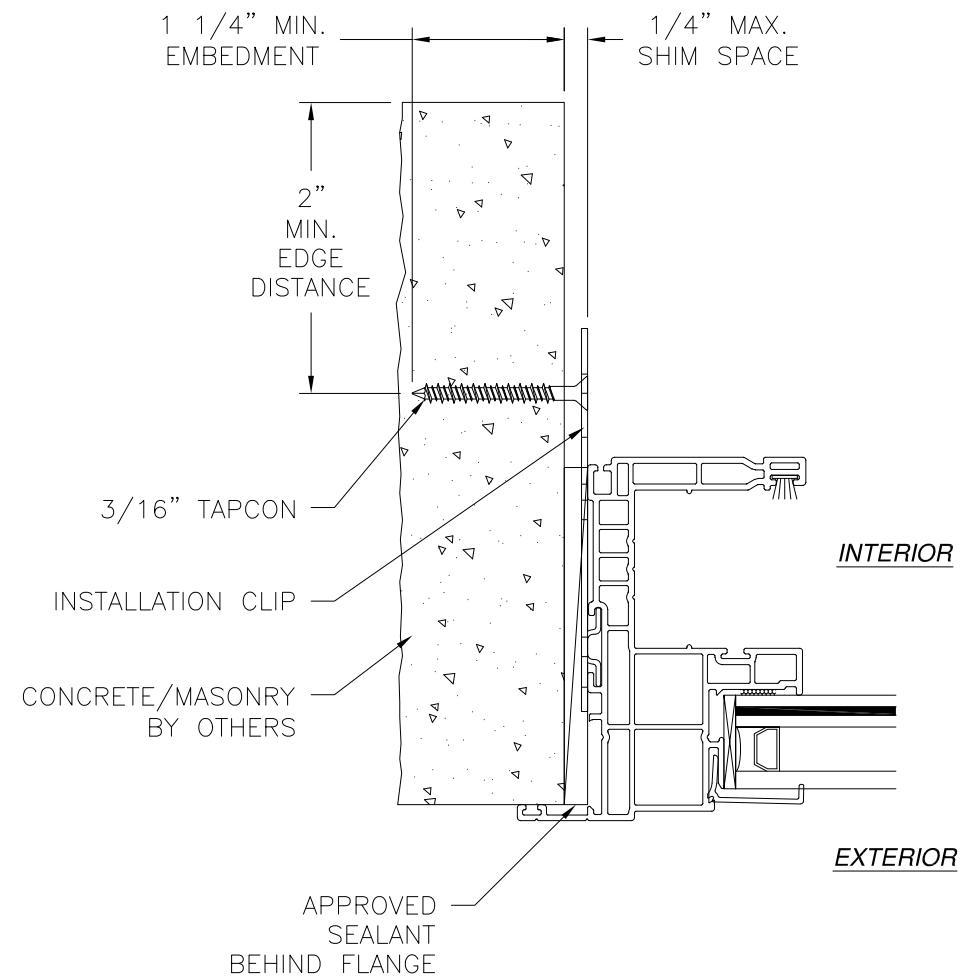
SHWINCO ARCHITECTURAL PRODUCTS, LLC		
171 JET SERVICES WAY DOTHAN, AL 36303		
SERIES 9050 HS WINDOW IMPACT HVHZ CLIP INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03555	REV A
SCALE NTS	DATE 05/04/2020	SHEET 8 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



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



JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
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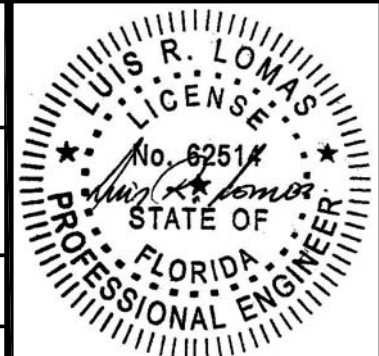
SHWINCO ARCHITECTURAL PRODUCTS, LLC
 171 JET SERVICES WAY
 DOTHAN, AL 36303

SERIES 9050 HS WINDOW
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SCALE NTS	DATE 05/04/2020	SHEET 9 OF 16

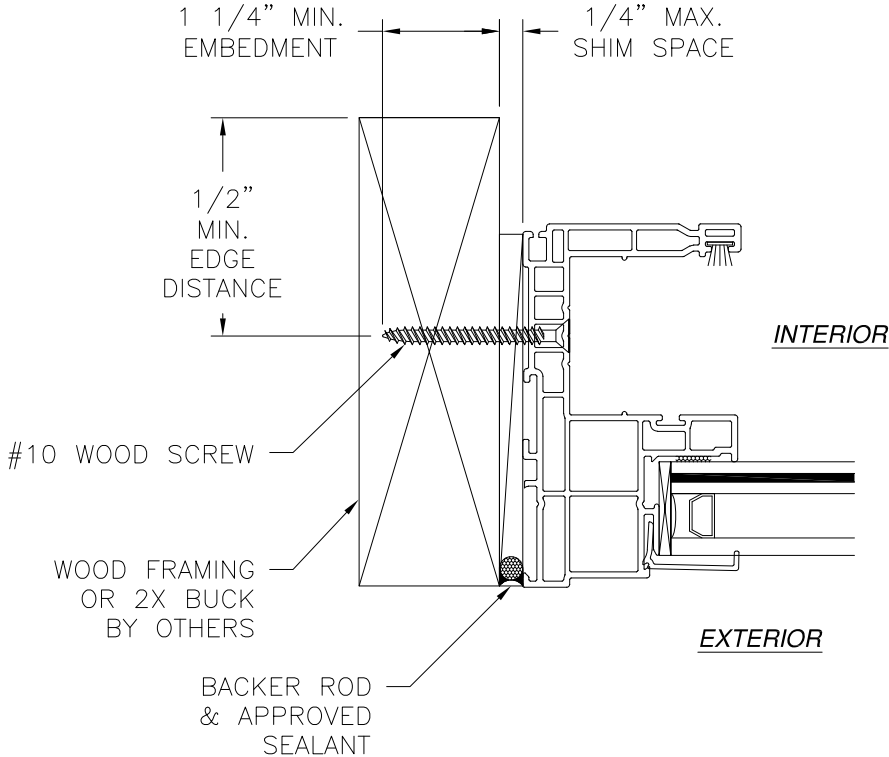
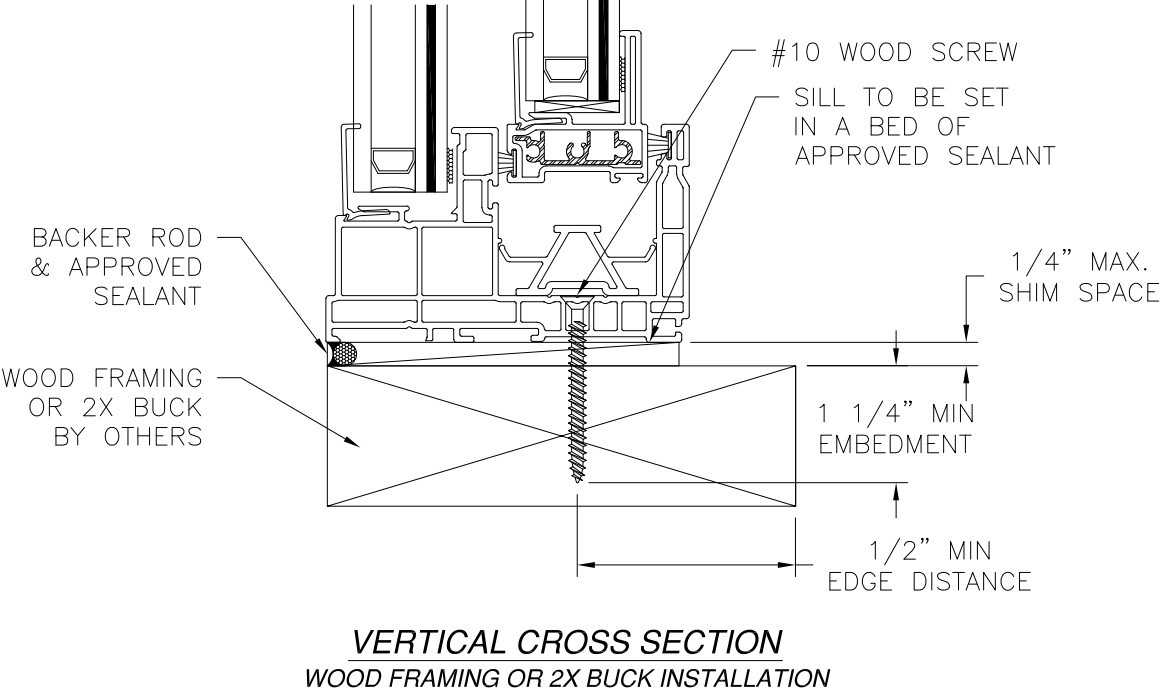
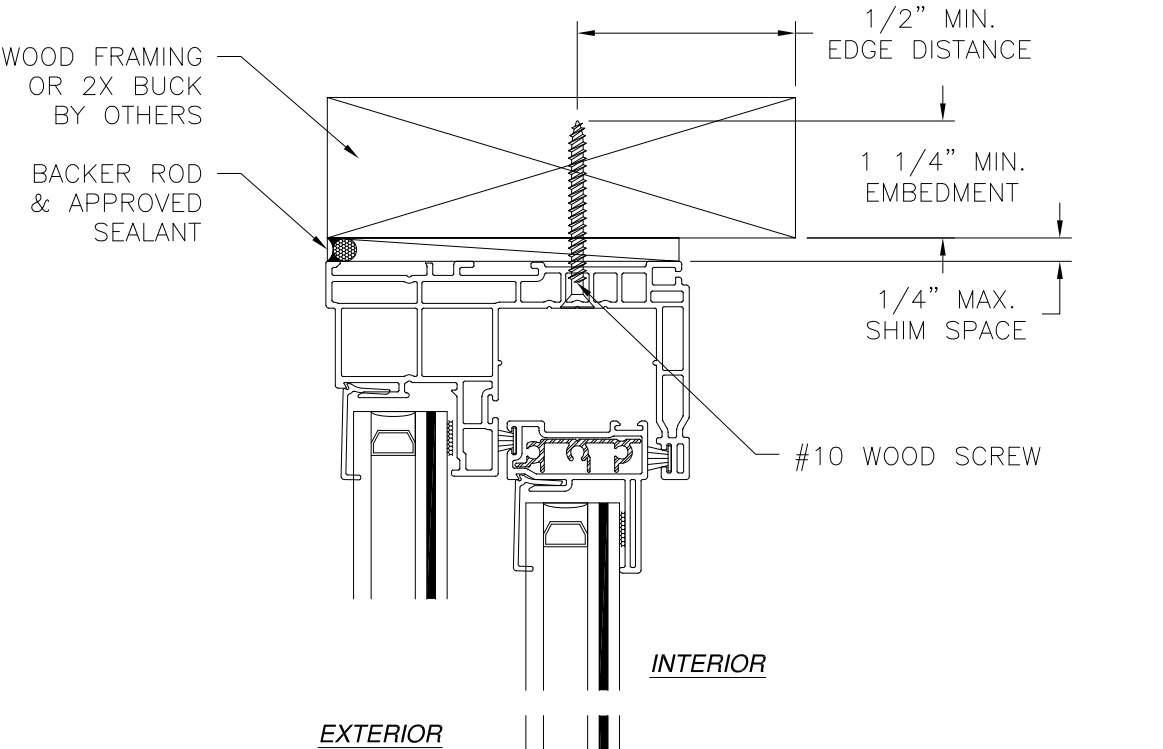
L. ROBERTO LOMAS P.E.
 208 7th Ave, INDIALANTIC, FL 32903
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Luis R. Lomas P.E.
 FL No.: 62514

REVISIONS			
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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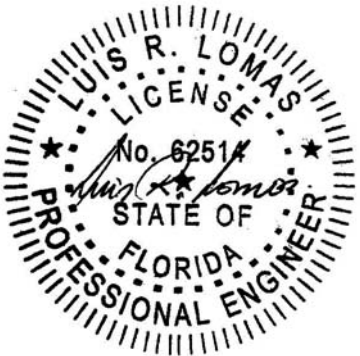
SHWINCO ARCHITECTURAL PRODUCTS, LLC

171 JET SERVICES WAY
DOTHAN, AL 36303

SERIES 9050 HS WINDOW
IMPACT HVHZ
BOX INSTALLATION DETAILS

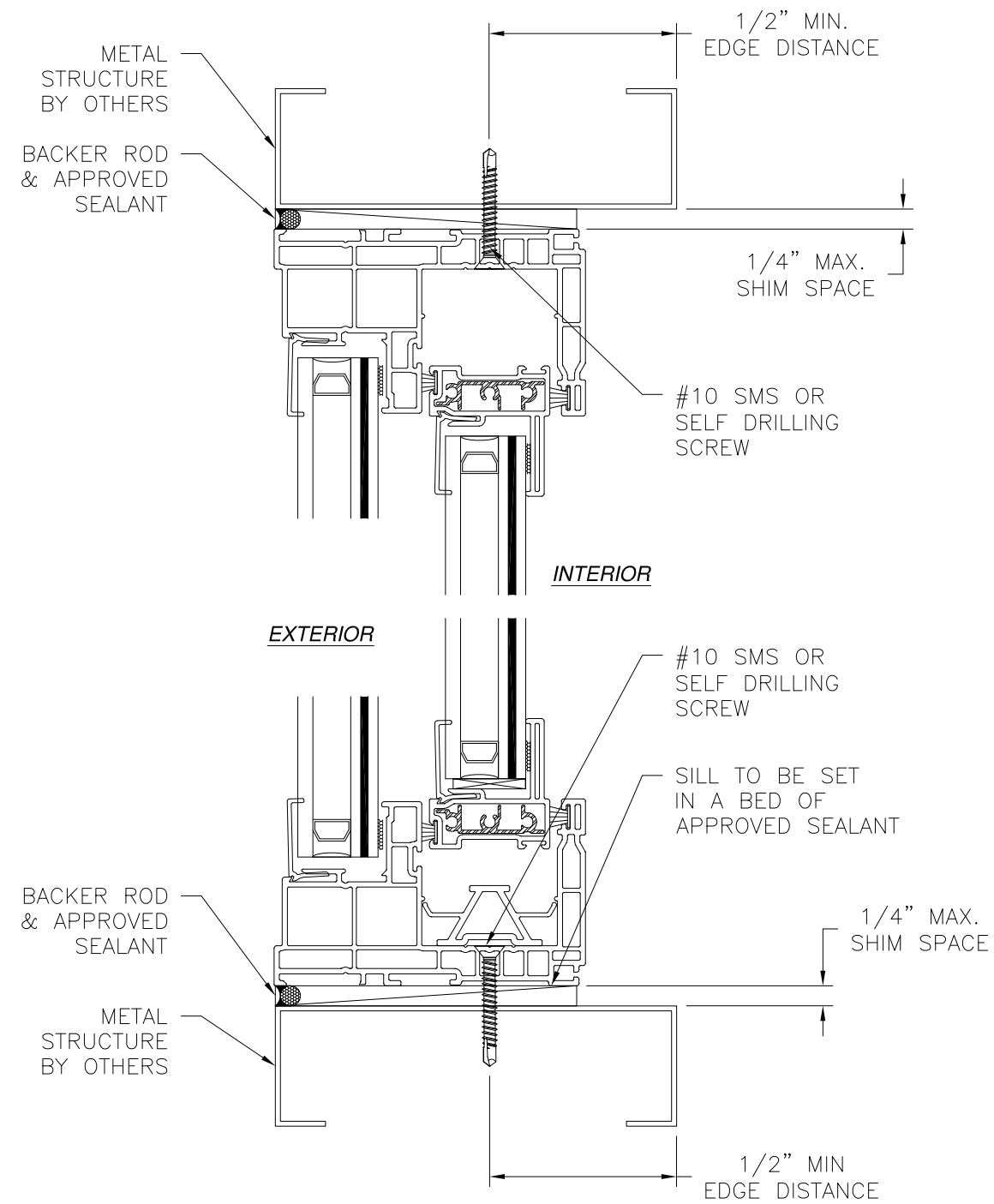
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L. ROBERTO LOMAS P.E.
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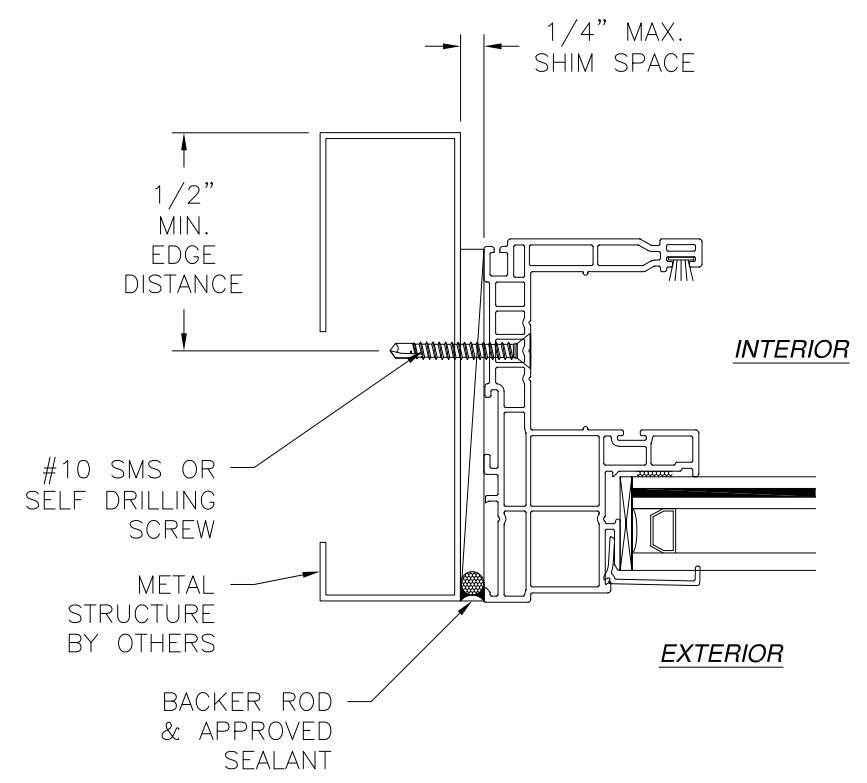


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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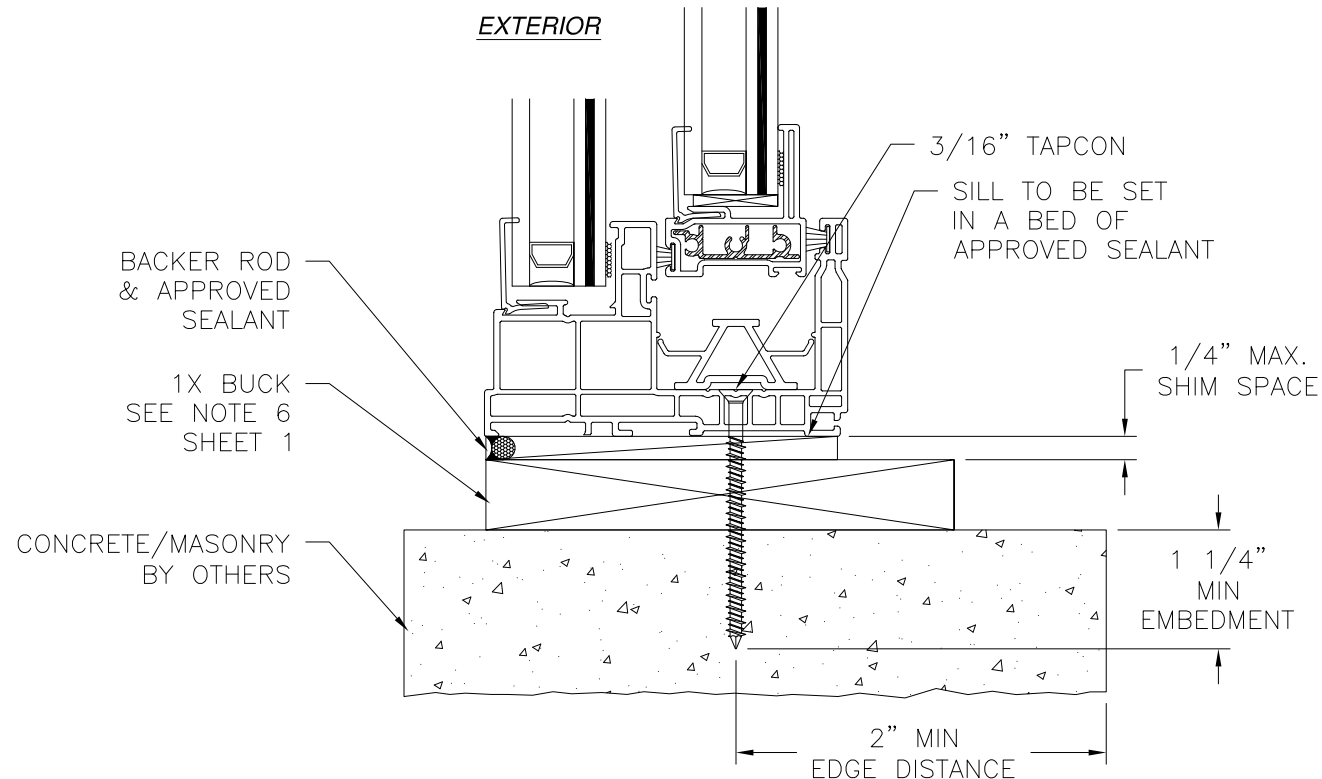
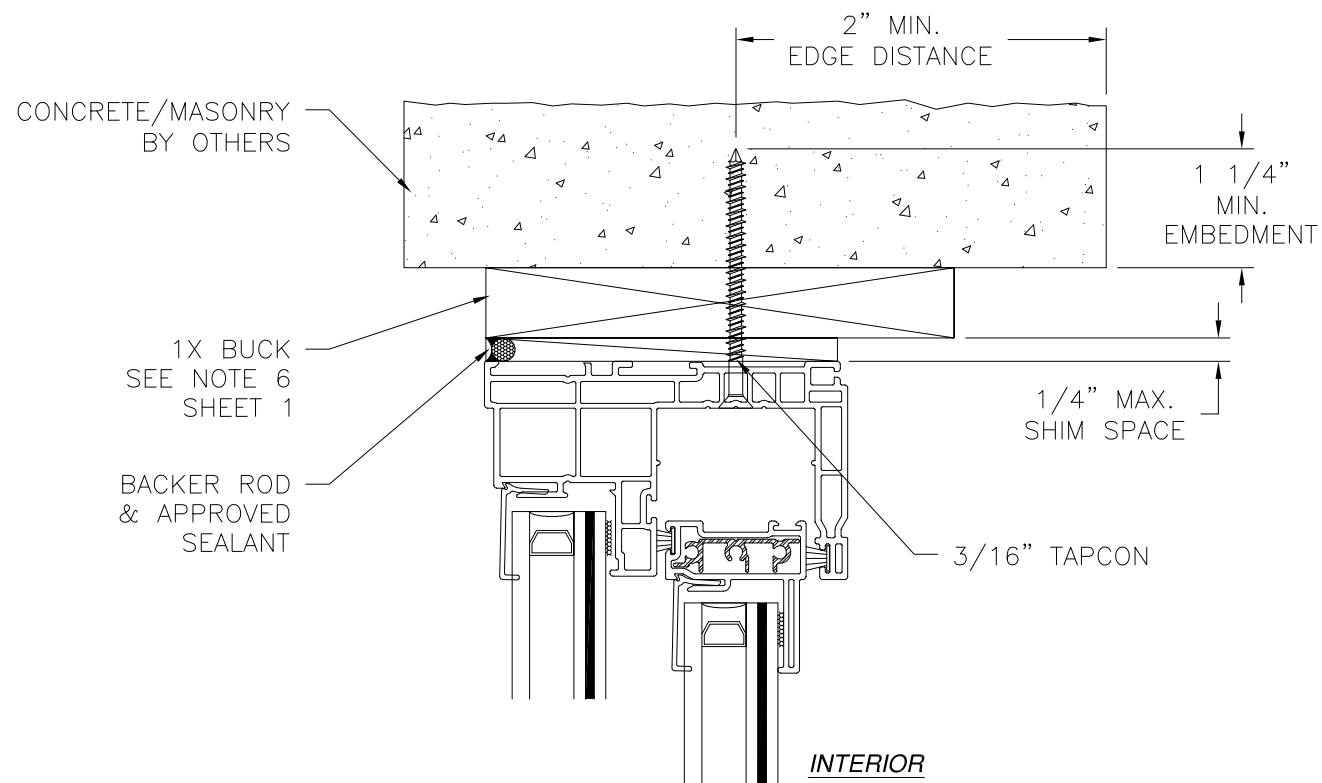
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SCALE NTS	DATE 05/04/2020	SHEET 11 OF 16

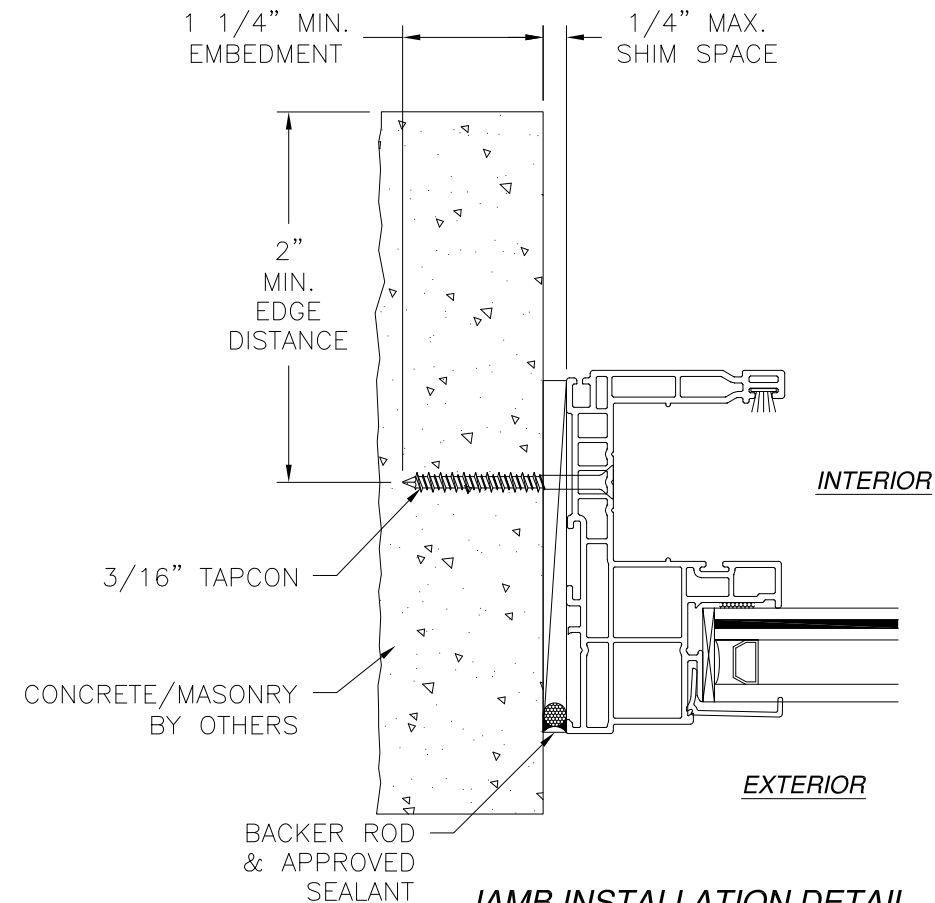
L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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



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



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

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SHWINCO ARCHITECTURAL PRODUCTS, LLC

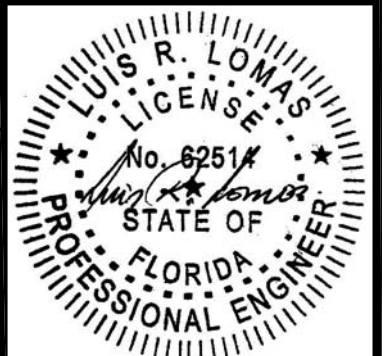
171 JET SERVICES WAY
DOTHAN, AL 36303

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BOX INSTALLATION DETAILS

DRAWN: R.L.	DWG NO. 08-03555	REV A
SCALE NTS	DATE 05/04/2020	SHEET 12 OF 16

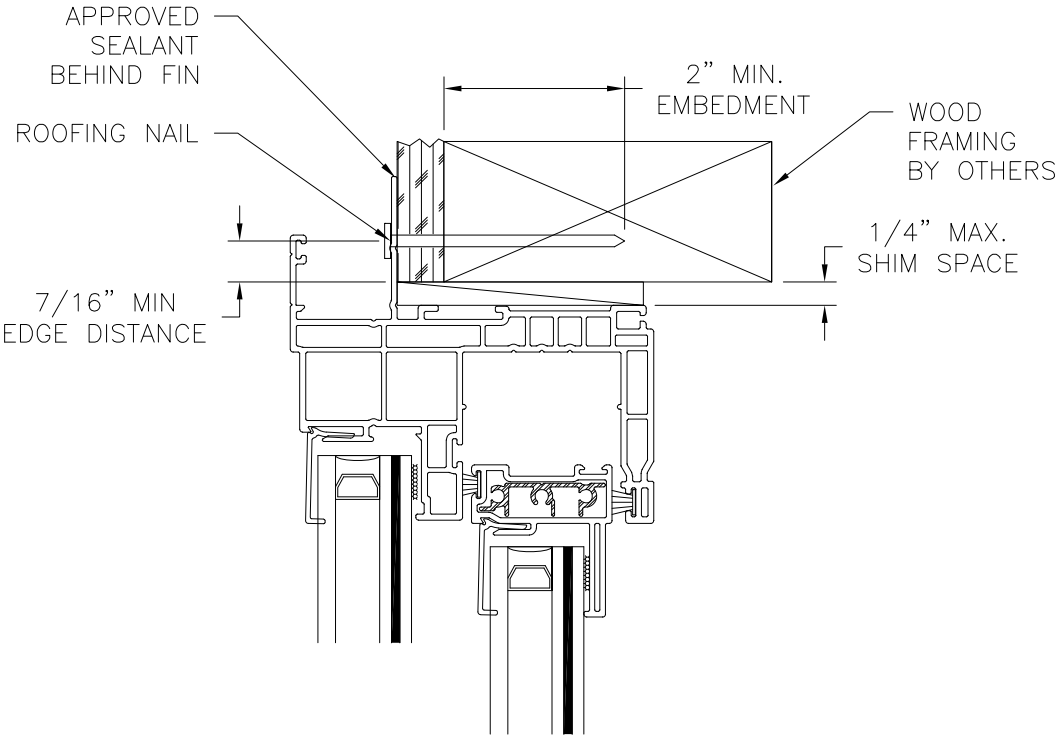
L. ROBERTO LOMAS P.E.
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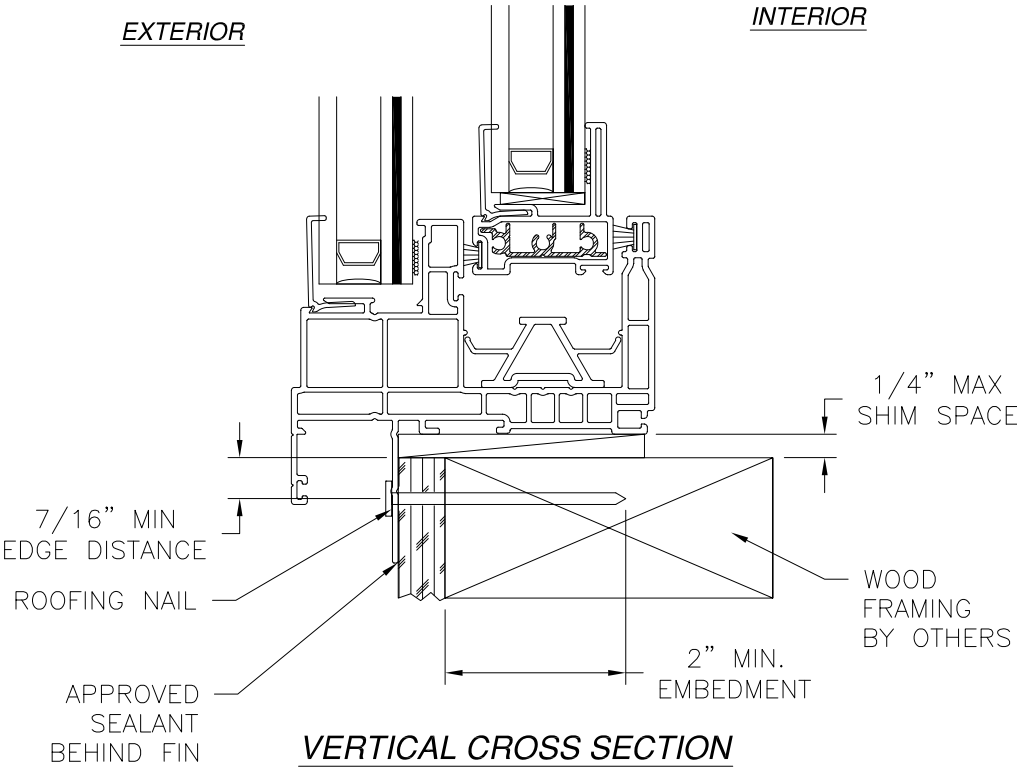
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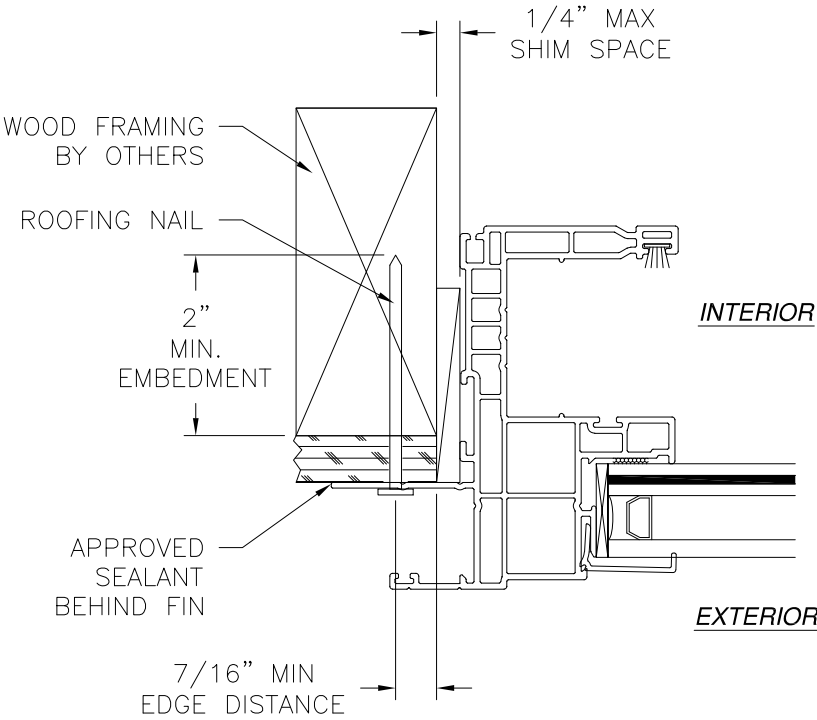


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
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FIN INSTALLATION DETAILS

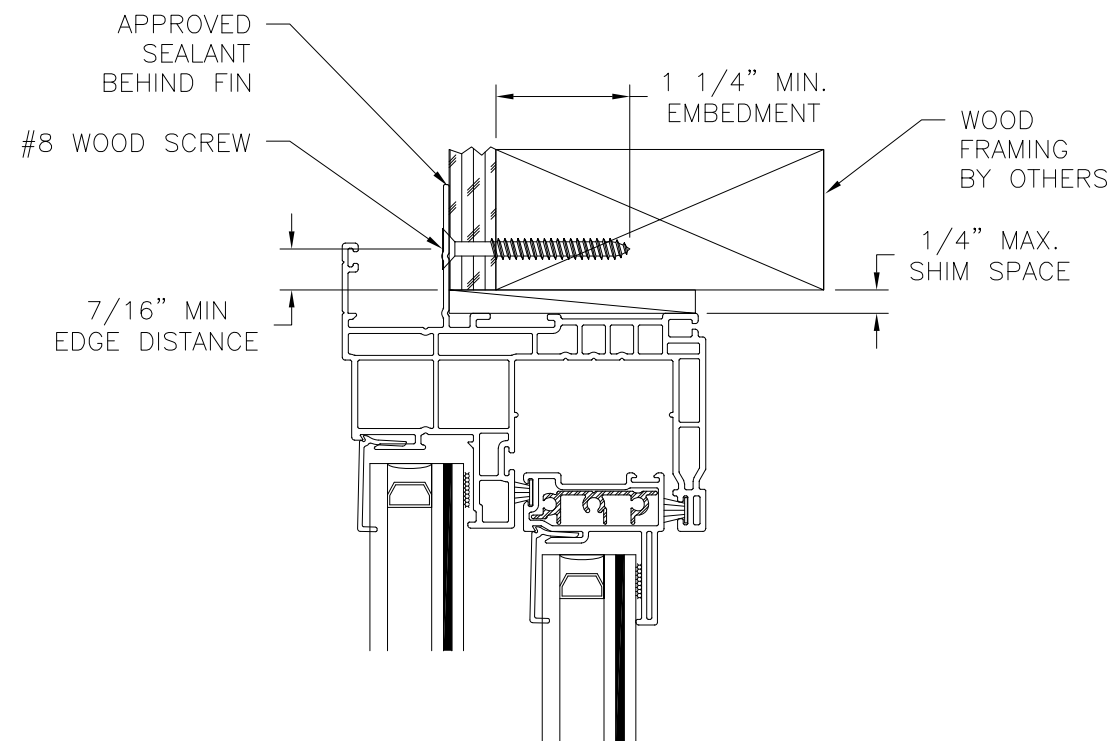
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SCALE NTS	DATE 05/04/2020	SHEET 13 OF 16
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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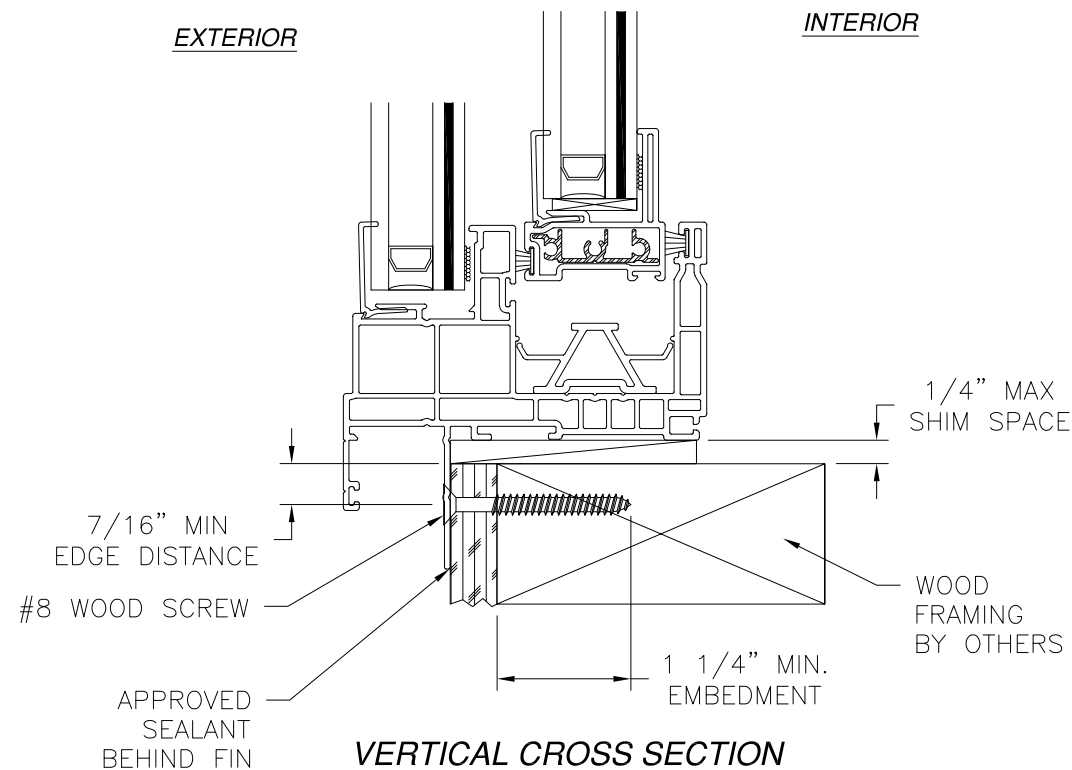
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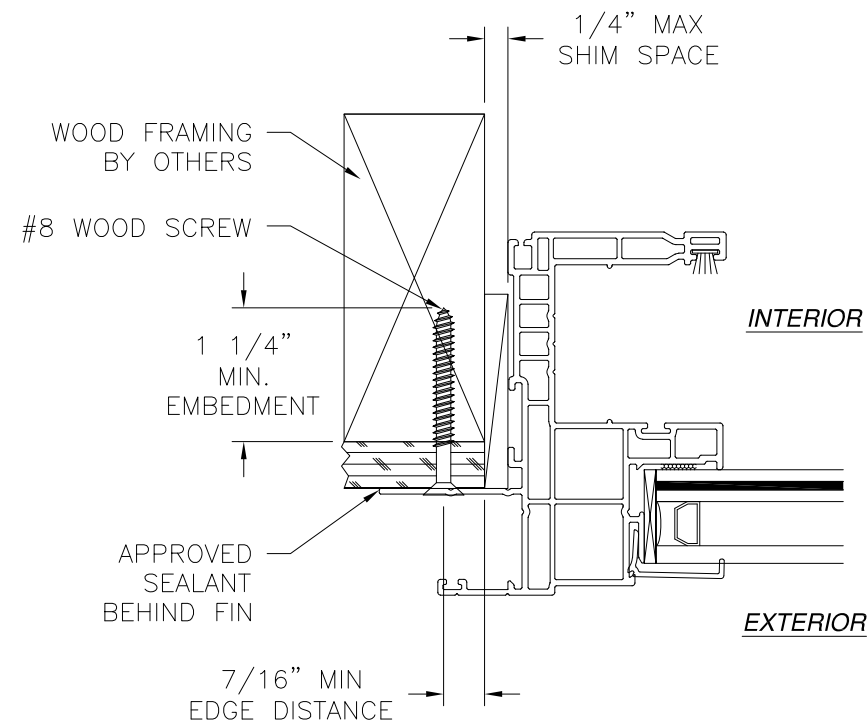


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



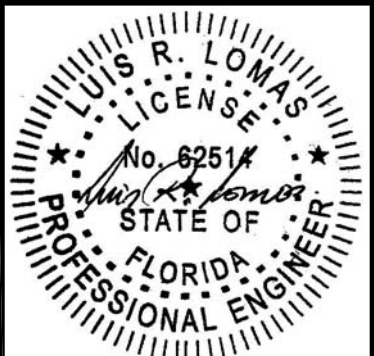
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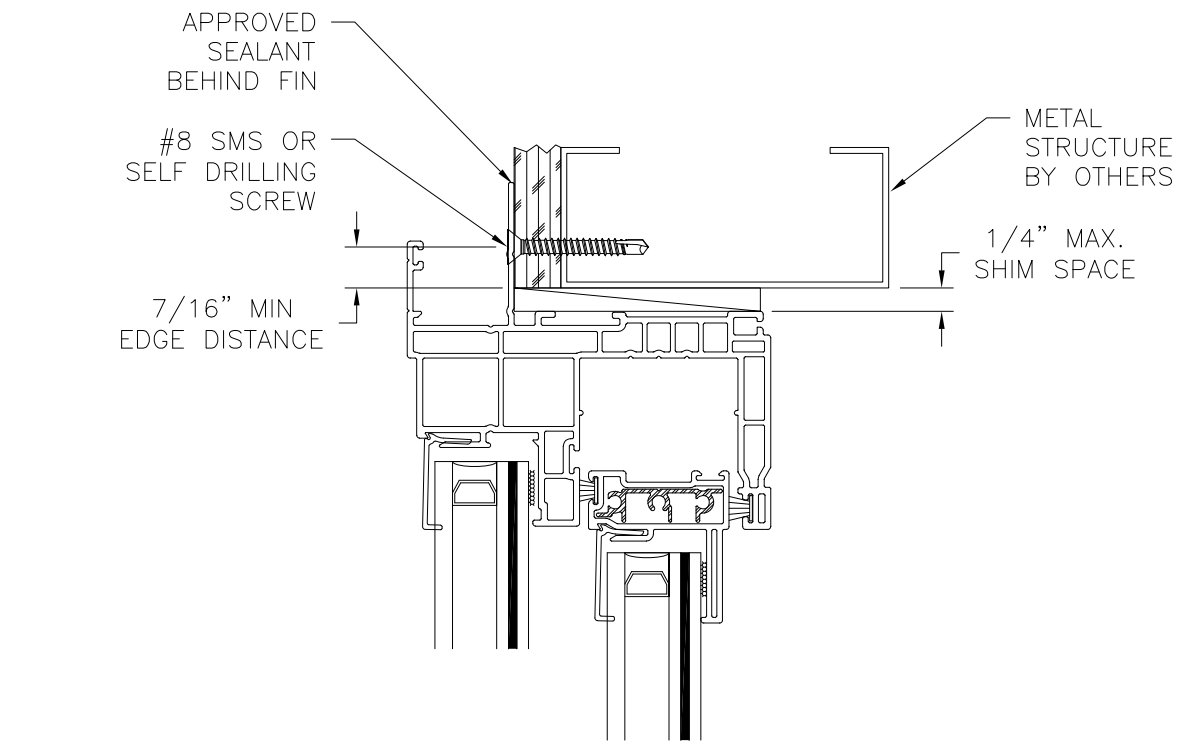
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171 JET SERVICES WAY DOTHAN, AL 36303		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



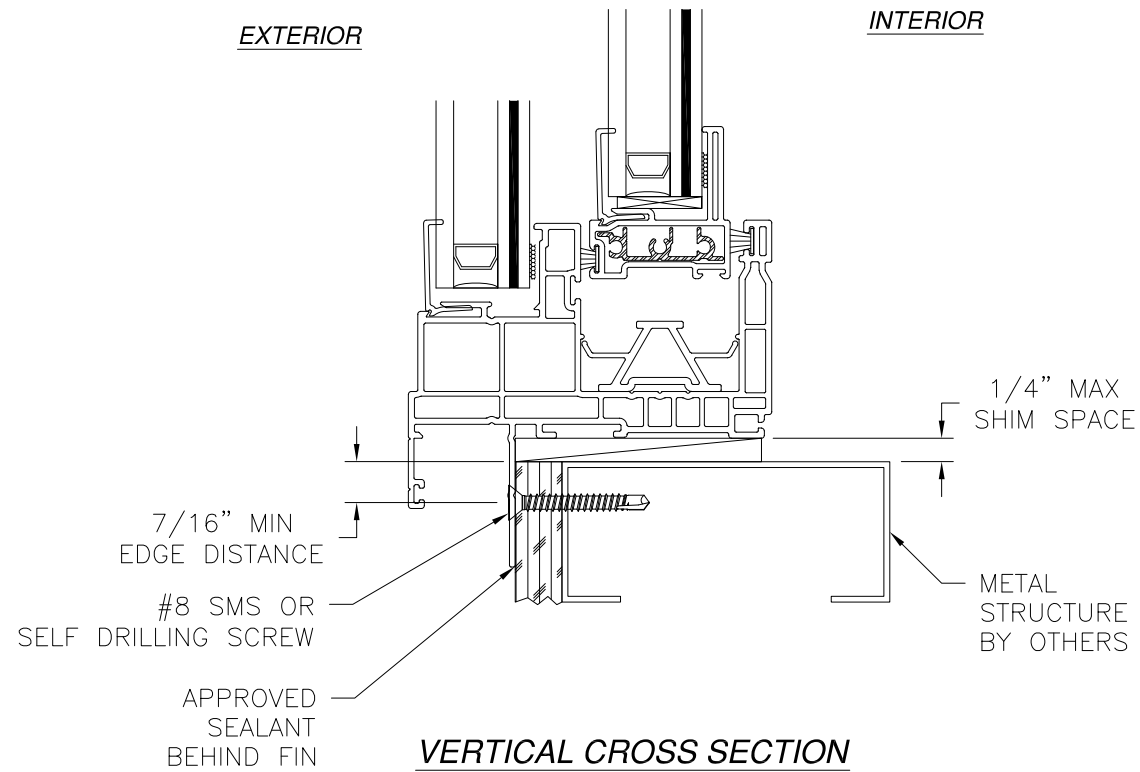
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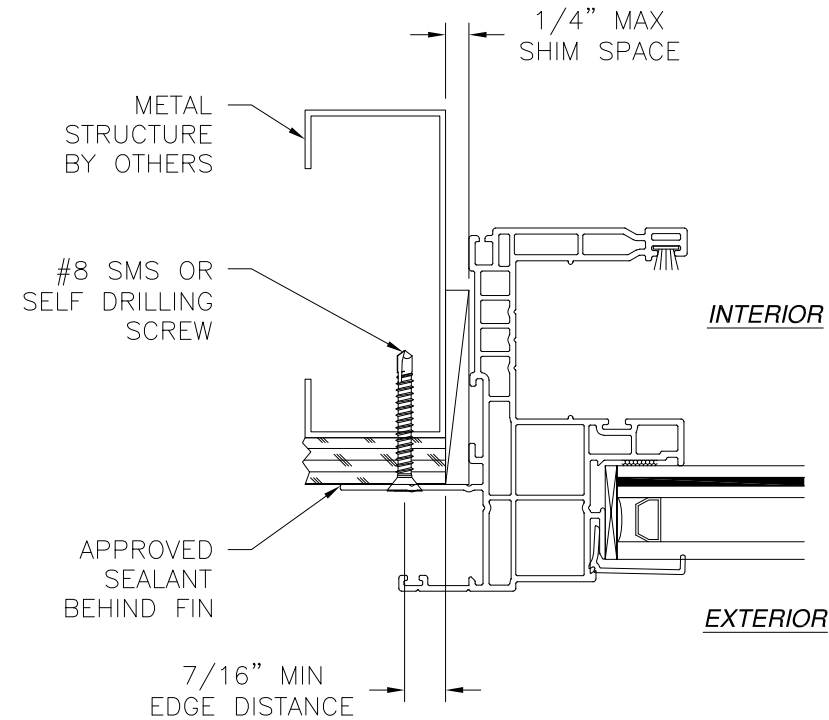


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



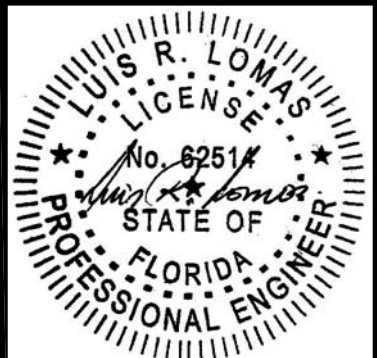
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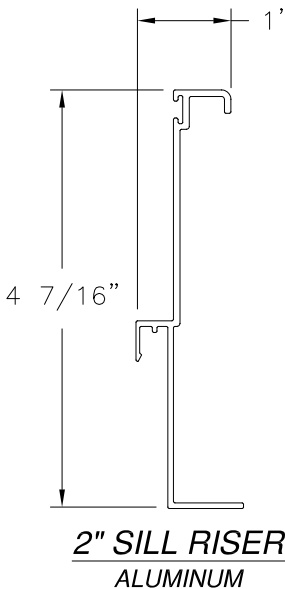
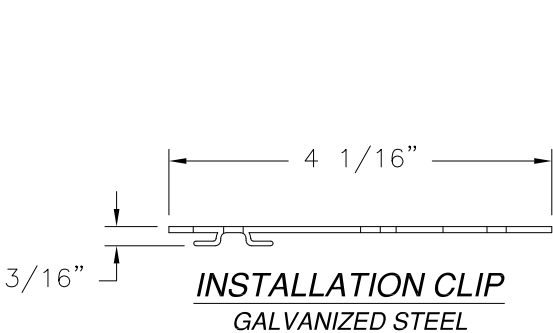
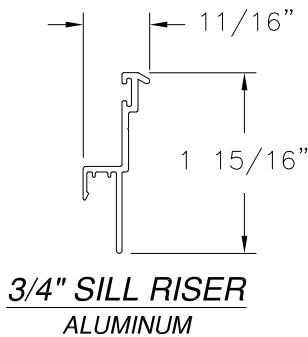
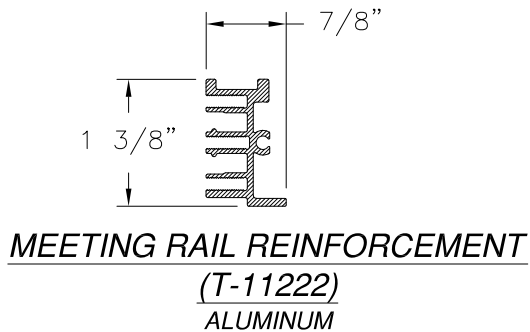
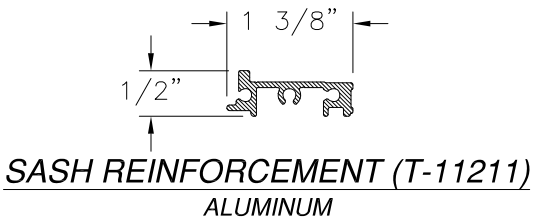
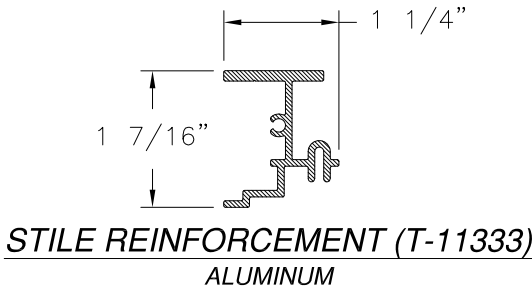
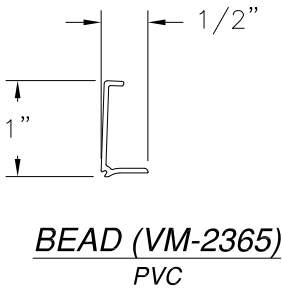
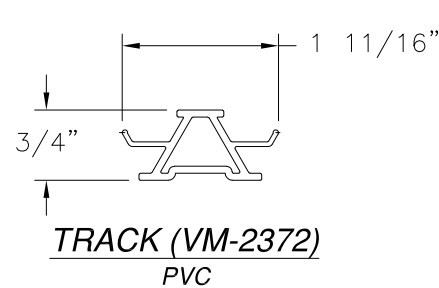
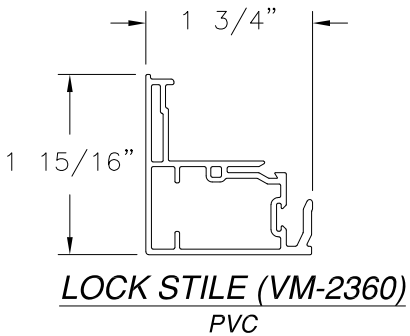
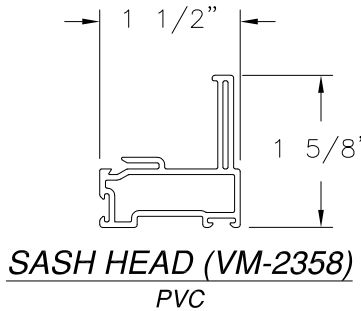
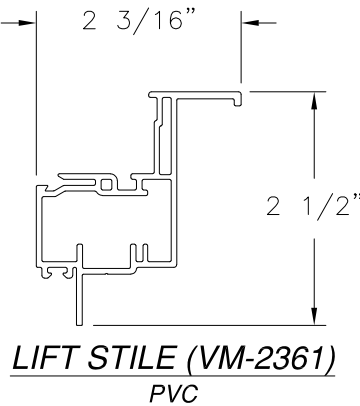
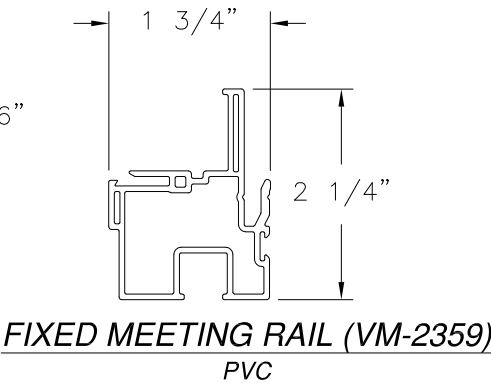
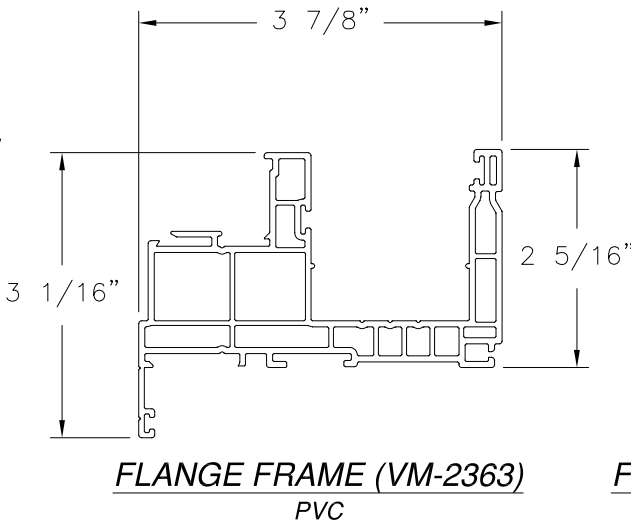
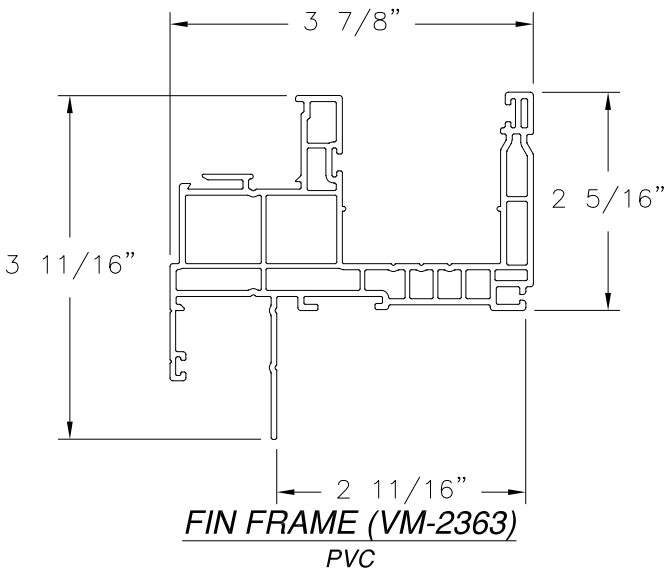
SIGNED: 08/24/2023

SHWINCO ARCHITECTURAL PRODUCTS, LLC		
171 JET SERVICES WAY DOTHAN, AL 36303		
SERIES 9050 HS WINDOW IMPACT HVHZ FIN INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03555	REV A
SCALE NTS	DATE 05/04/2020	SHEET 15 OF 16
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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	08/24/2023	R.L.



SHWINCO ARCHITECTURAL PRODUCTS, LLC

171 JET SERVICES WAY
DOTHAN, AL 36303

SERIES 9050 HS WINDOW
IMPACT HVHZ
COMPONENTS

DRAWN:
R.L.

DWG NO.
08-03555

REV
A

SCALE NTS

DATE 05/04/2020

SHEET 16 OF 16

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

SIGNED: 08/24/2023



Luis R. Lomas P.E.
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