

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD INSTALLATION DETAILS	03/09/2021	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. 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 1/2".
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: GRADE (A) MAHOGANY
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 4 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING 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.

15. FOR ANCHORING INTO CONCRETE/MASONRY USE 1/4" ELCO CRETE-FLEX TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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: GROUT FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 16GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM

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13	COMPONENTS

REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 AWNING
103" X 127 13/16" - IMPACT
NOTES

DRAWN:
N.G.

DWG NO.
08-02836

REV
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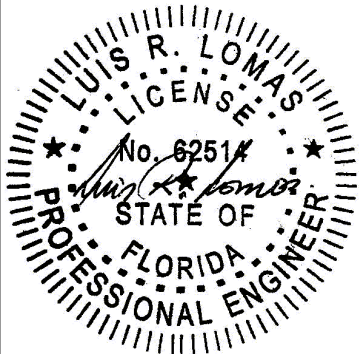
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DATE 02/09/16

SHEET 1 OF 13

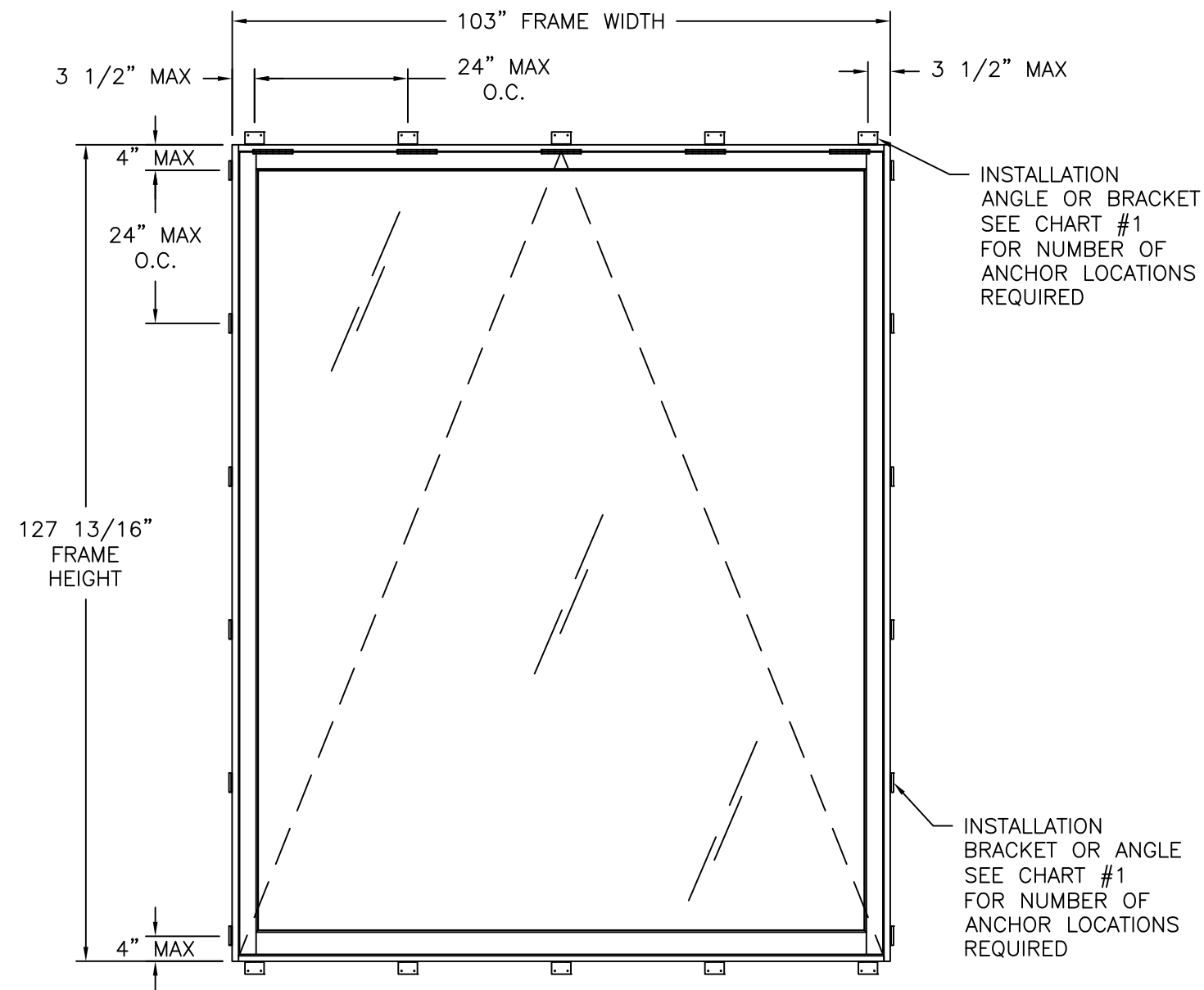
L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/20/2026

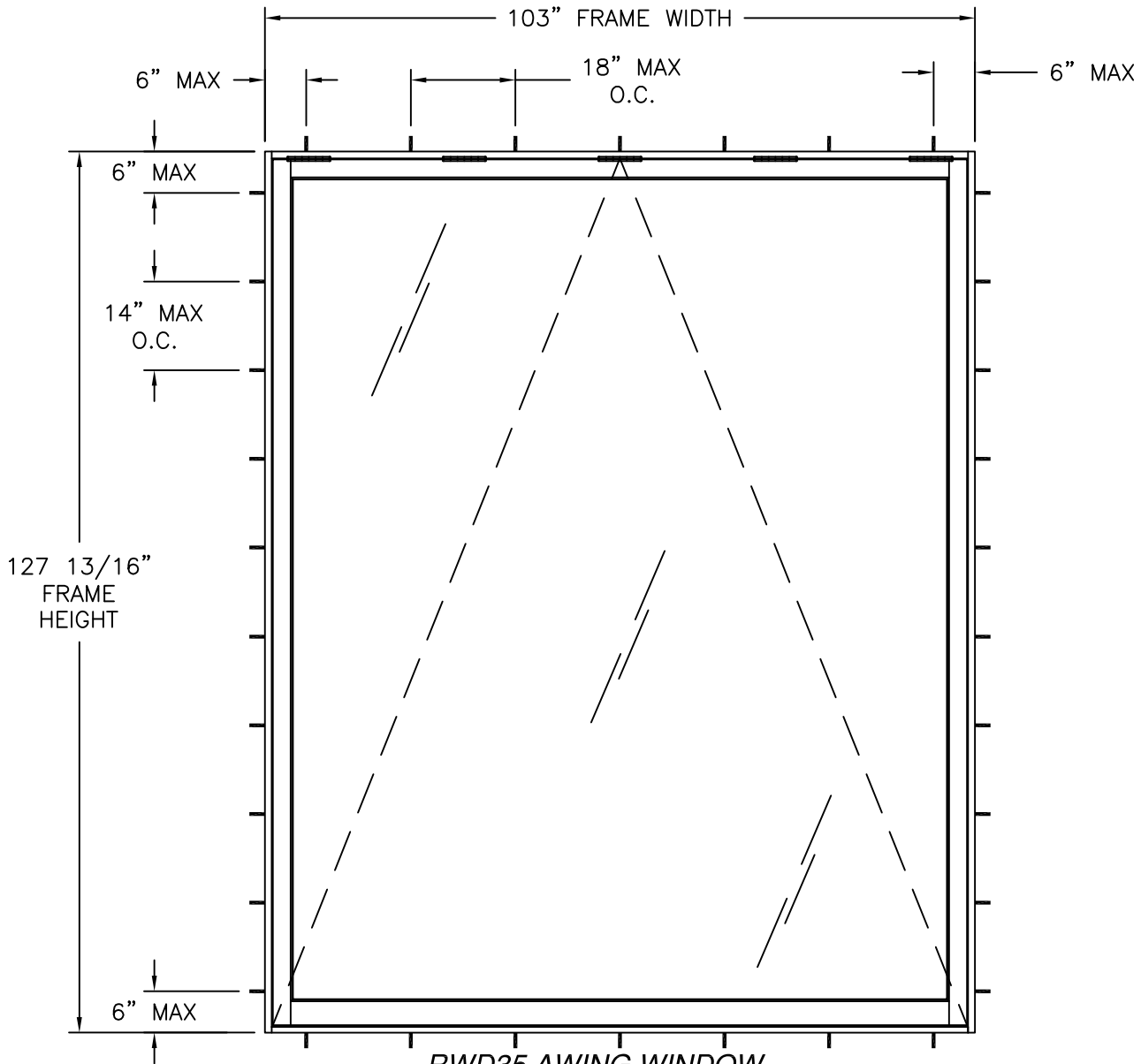


Luis R. Lomas P.E.
FL No.: 62514

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RWD35 AWING WINDOW
EXTERIOR VIEW
BRACKET INSTALLATION



RWD35 AWING WINDOW
EXTERIOR VIEW
FRAME INSTALLATION

- NOTES:
- 1. SASH SIZE: 101" X 126"
 - 2. D.L.O.: 92" X 120"

HARDWARE SCHEDULE	
A.	(1) HARWICK PUSH BAR CRADLE AT TOP SIDE OF SILL
B.	(1) HARWICK PUSH BAR AT SILL OF VENT
C.	(1) RWD CUSTOM PUSH BAR PIN AT VENT BOTTOM RAIL
D.	(2) ROTO LOCK BAR LB05-GF378 AT TOP OF JAMBS
E.	(2) ROTO LOCK BAR LB05-GF375 AT BOTTOM OF JAMBS
F.	(2) ROTO LOCK BAR LB05-GF372 AT SILL
G.	(16) ROTO G5 STRIKERS SS RH AT VENT STILES AND VENT BOTTOM RAIL
H.	(52) ROTO LOCK BAR GUIDE AT JAMBS AND BOTTOM SILL
I.	(3) ROTO LH09 HANDLE MECHANISM AT LH/INTERIOR SIDE OF SILL
J.	(3) ROTO RH09 HANDLE MECHANISM AT RH/INTERIOR SIDE OF SILL
K.	(5) 6" X 4 1/2" BOTTOM TIP HINGE BY MERIT

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
103" X 127 13/16" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS FRAME AREA DOES NOT EXCEED 91.42 FT²

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RWD35 AWING
103" X 127 13/16" - IMPACT
ELEVATION

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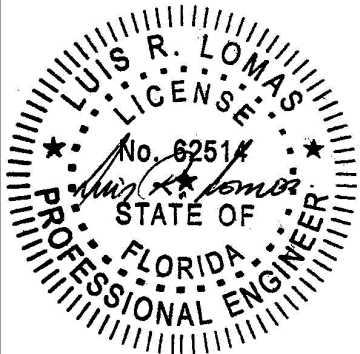
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SHEET
2 OF 13

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CHART #1																												
Number of anchor locations required																												
Frame Height (in)	Frame width (in)																											
	24.00		30.00		36.00		42.00		48.00		54.00		60.00		66.00		72.00		78.00		84.00		90.00		96.00		103.00	
	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb
24.00	2	2	2	2	3	2	3	2	3	2	3	2	4	2	4	2	4	2	4	2	5	2	5	2	5	2	5	2
30.00	2	2	2	2	3	2	3	2	3	2	3	2	4	2	4	2	4	2	4	2	5	2	5	2	5	2	5	2
36.00	2	3	2	3	3	3	3	3	3	3	3	3	4	3	4	3	4	3	4	3	5	3	5	3	5	3	5	3
42.00	2	3	2	3	3	3	3	3	3	3	3	3	4	3	4	3	4	3	4	3	5	3	5	3	5	3	5	3
48.00	2	3	2	3	3	3	3	3	3	3	3	3	4	3	4	3	4	3	4	3	5	3	5	3	5	3	5	3
54.00	2	3	2	3	3	3	3	3	3	3	3	3	4	3	4	3	4	3	4	3	5	3	5	3	5	3	5	3
60.00	2	4	2	4	3	4	3	4	3	4	3	4	4	4	4	4	4	4	4	4	5	4	5	4	5	4	5	4
66.00	2	4	2	4	3	4	3	4	3	4	3	4	4	4	4	4	4	4	4	4	5	4	5	4	5	4	5	4
72.00	2	4	2	4	3	4	3	4	3	4	3	4	4	4	4	4	4	4	4	4	5	4	5	4	5	4	5	4
78.00	2	4	2	4	3	4	3	4	3	4	3	4	4	4	4	4	4	4	4	4	5	4	5	4	5	4	5	4
84.00	2	5	2	5	3	5	3	5	3	5	3	5	4	5	4	5	4	5	4	5	5	5	5	5	5	5	5	5
90.00	2	5	2	5	3	5	3	5	3	5	3	5	4	5	4	5	4	5	4	5	5	5	5	5	5	5	5	5
96.00	2	5	2	5	3	5	3	5	3	5	3	5	4	5	4	5	4	5	4	5	5	5	5	5	5	5	5	5
102.00	2	5	2	5	3	5	3	5	3	5	3	5	4	5	4	5	4	5	4	5	5	5	5	5	5	5	5	5
108.00	2	6	2	6	3	6	3	6	3	6	3	6	4	6	4	6	4	6	4	6	5	6	5	6	5	6	5	6
114.00	2	6	2	6	3	6	3	6	3	6	3	6	4	6	4	6	4	6	4	6	5	6	5	6	5	6	5	6
120.00	2	6	2	6	3	6	3	6	3	6	3	6	4	6	4	6	4	6	4	6	5	6	5	6	5	6	5	6
127.81	2	6	2	6	3	6	3	6	3	6	3	6	4	6	4	6	4	6	4	6	5	6	5	6	5	6	5	6

CHART #2														
Frame Height (in)	Number of hinges required													
	Frame width (in)													
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	103.0
24.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
30.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
36.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
42.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
48.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
54.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
60.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
66.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
72.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
78.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
84.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
90.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
96.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
102.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
108.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
114.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
120.00	2	2	3	3	3	3	4	4	4	4	5	5	5	5
127.81	2	2	3	3	3	3	4	4	4	4	5	5	5	5

REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 AWNING
103" X 127 13/16" - IMPACT
CHARTS

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N.G.

DWG NO.
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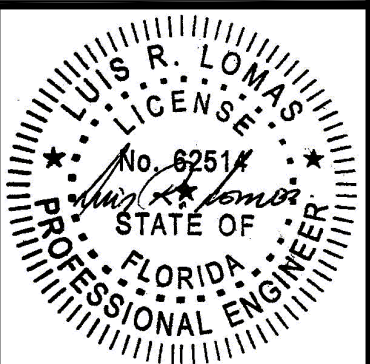
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SHEET
3 OF 13

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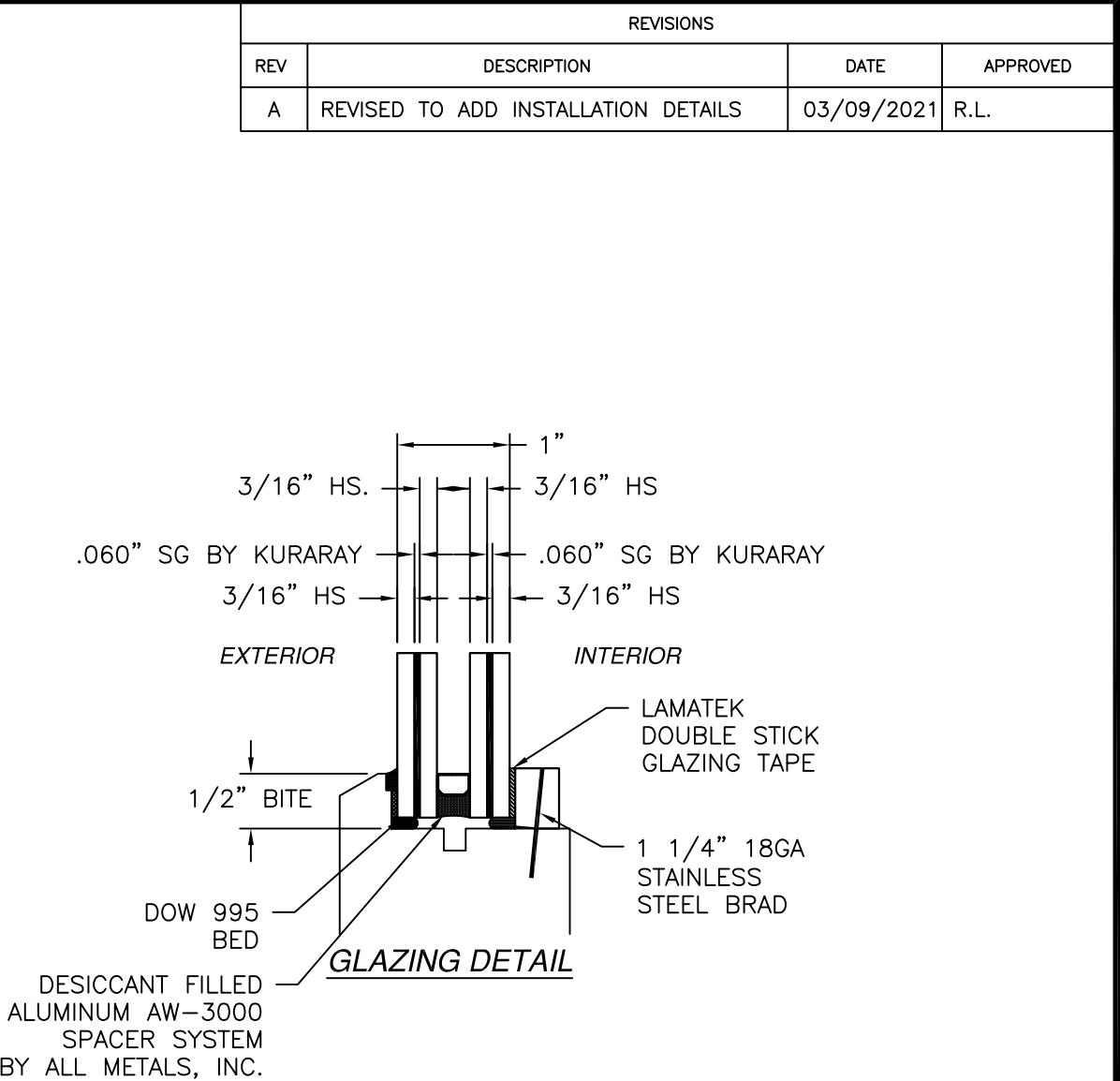
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CHART #3														
Frame Height (in)	Number of locking points required at sill													
	Frame width (in)													
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	103.0
24.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
30.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
36.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
42.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
48.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
54.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
60.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
66.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
72.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
78.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
84.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
90.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
96.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
102.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
108.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
114.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
120.00	2	2	2	2	3	3	3	3	3	4	4	4	4	4
127.81	2	2	2	2	3	3	3	3	3	4	4	4	4	4

CHART #4														
Frame Height (in)	Number of locking points required at stiles													
	Frame width (in)													
	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	103.0
24.00	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30.00	2	2	2	2	2	2	2	2	2	2	2	2	2	2
36.00	3	3	3	3	3	3	3	3	3	3	3	3	3	3
42.00	3	3	3	3	3	3	3	3	3	3	3	3	3	3
48.00	3	3	3	3	3	3	3	3	3	3	3	3	3	3
54.00	3	3	3	3	3	3	3	3	3	3	3	3	3	3
60.00	4	4	4	4	4	4	4	4	4	4	4	4	4	4
66.00	4	4	4	4	4	4	4	4	4	4	4	4	4	4
72.00	4	4	4	4	4	4	4	4	4	4	4	4	4	4
78.00	4	4	4	4	4	4	4	4	4	4	4	4	4	4
84.00	5	5	5	5	5	5	5	5	5	5	5	5	5	5
90.00	5	5	5	5	5	5	5	5	5	5	5	5	5	5
96.00	5	5	5	5	5	5	5	5	5	5	5	5	5	5
102.00	5	5	5	5	5	5	5	5	5	5	5	5	5	5
108.00	6	6	6	6	6	6	6	6	6	6	6	6	6	6
114.00	6	6	6	6	6	6	6	6	6	6	6	6	6	6
120.00	6	6	6	6	6	6	6	6	6	6	6	6	6	6
127.81	6	6	6	6	6	6	6	6	6	6	6	6	6	6



REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 AWNING

103" X 127 13/16" - IMPACT CHARTS

DRAWN: N.G.	DWG NO. 08-02836	REV A
SCALE NTS	DATE 02/09/16	SHEET 4 OF 13

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LUIS R. LOMAS

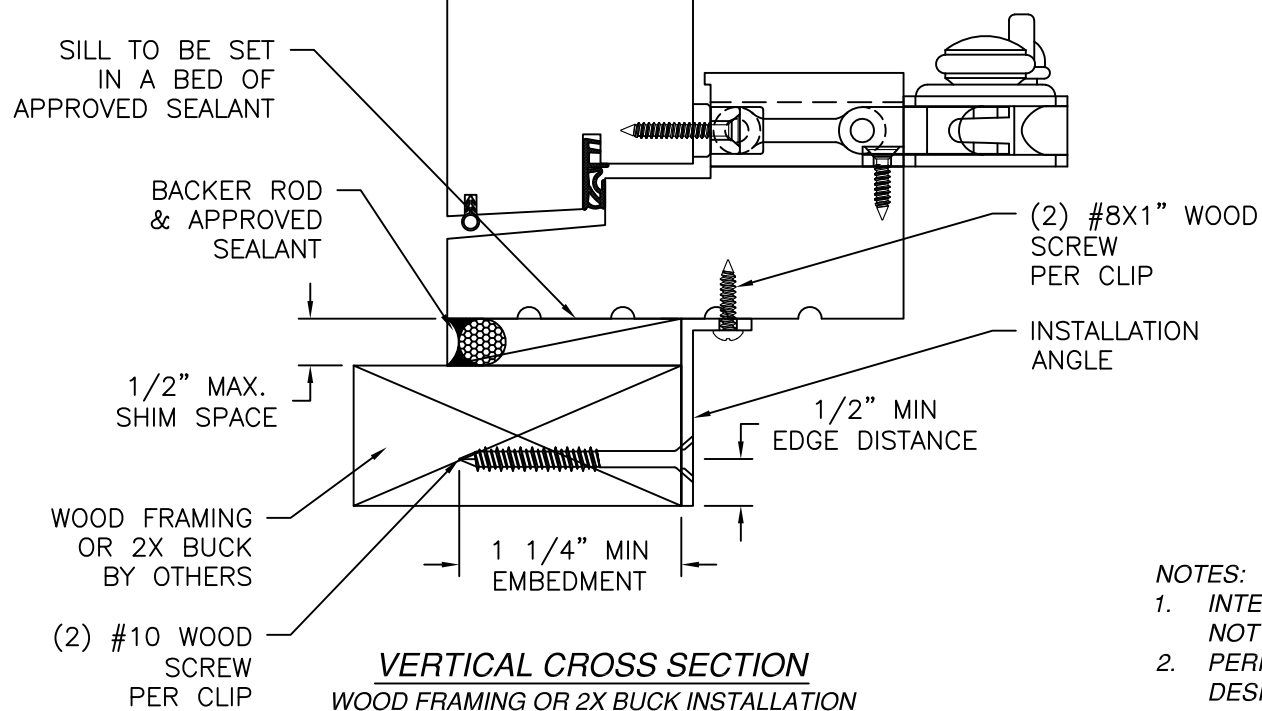
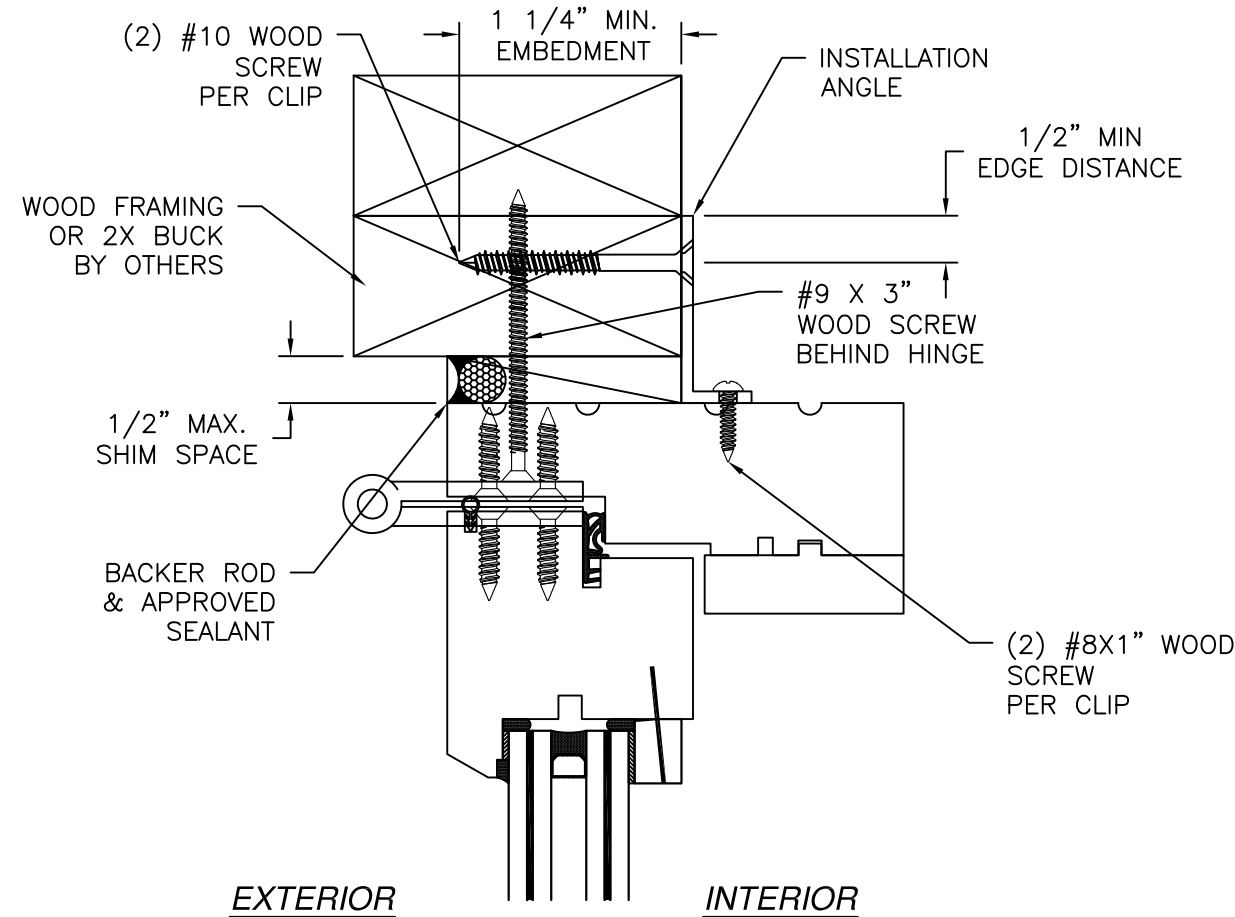
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No. 62514

STATE OF FLORIDA

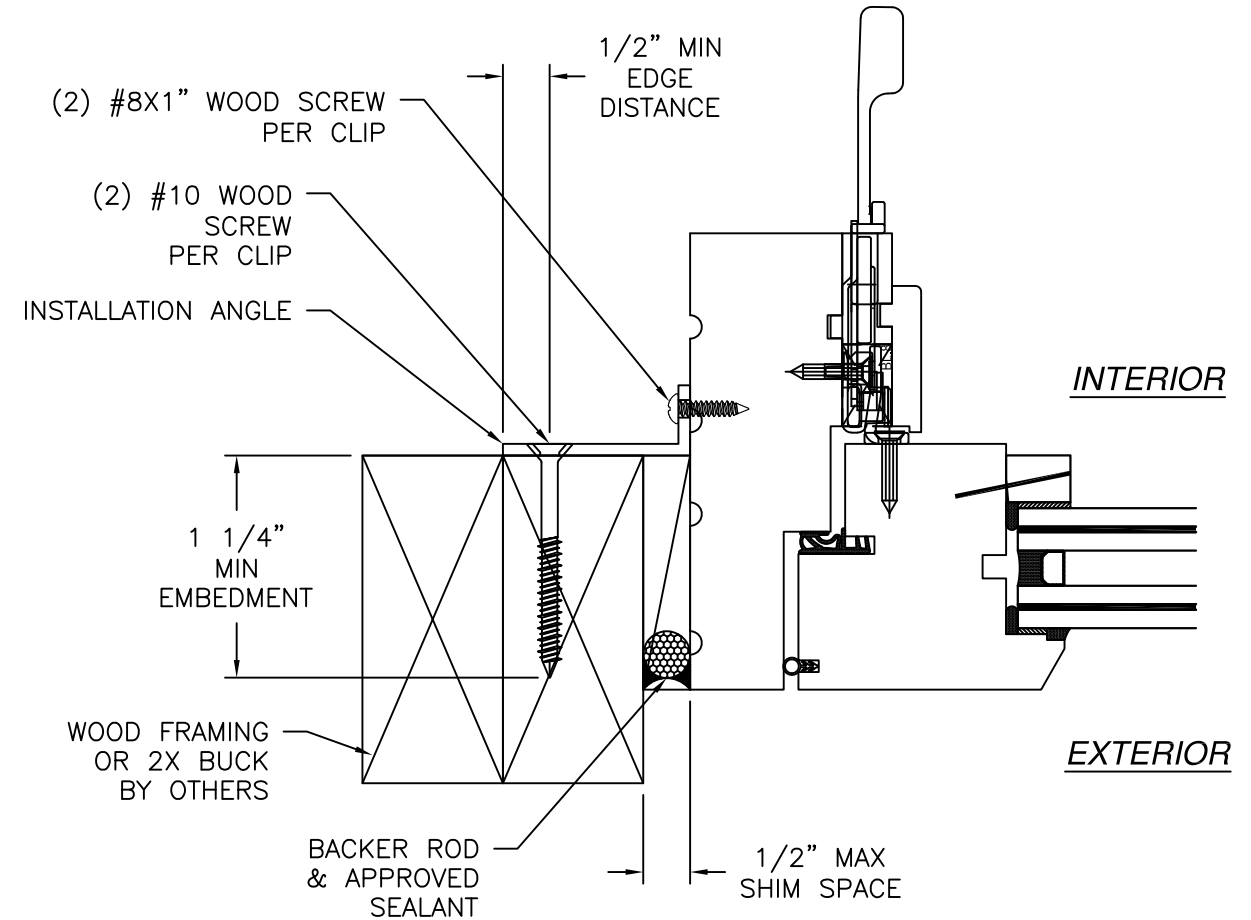
PROFESSIONAL ENGINEER

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



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

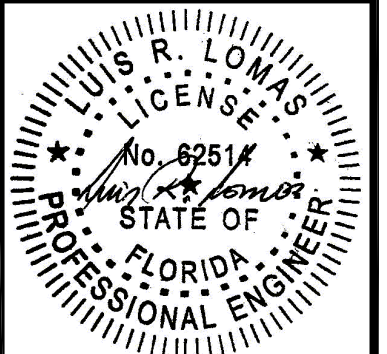
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

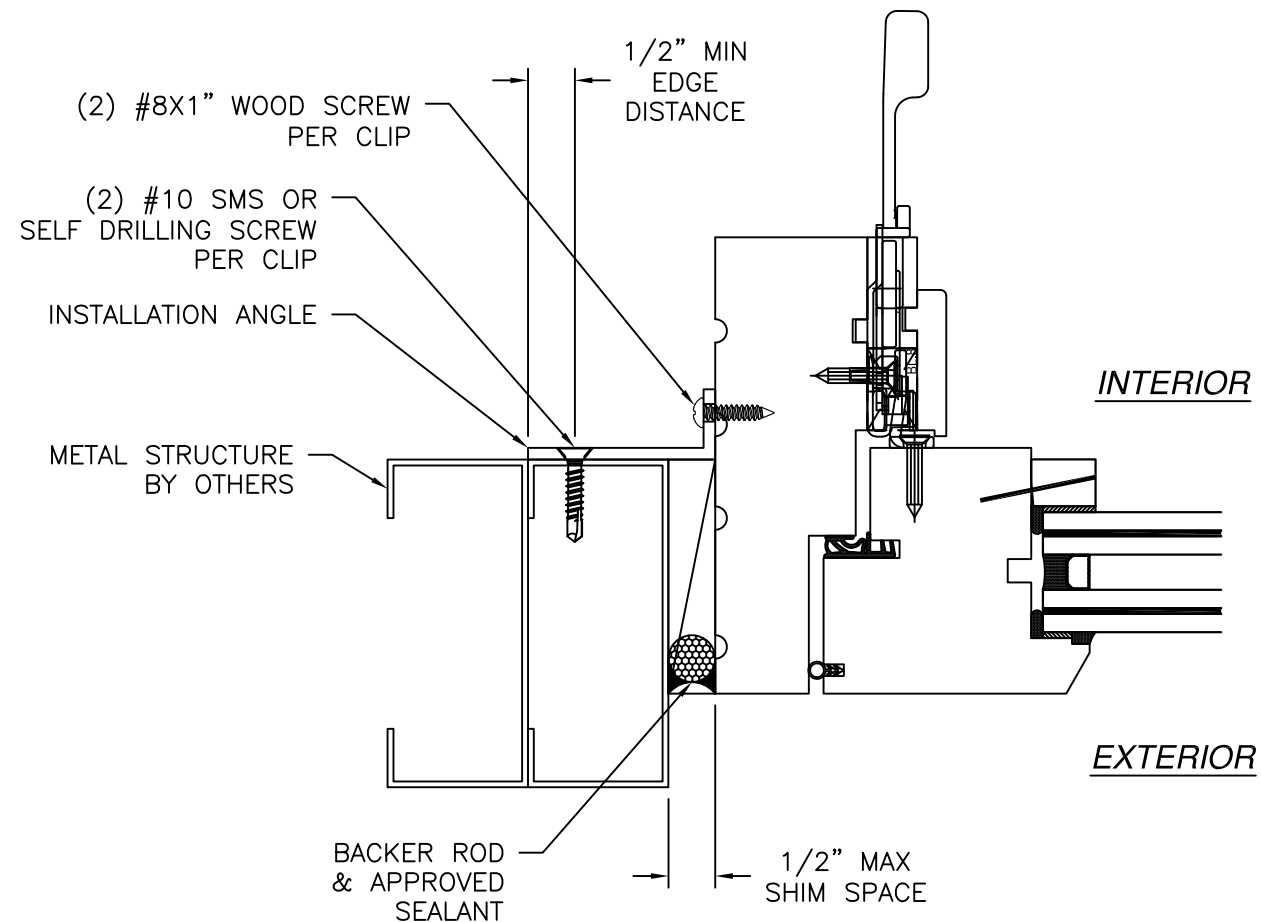
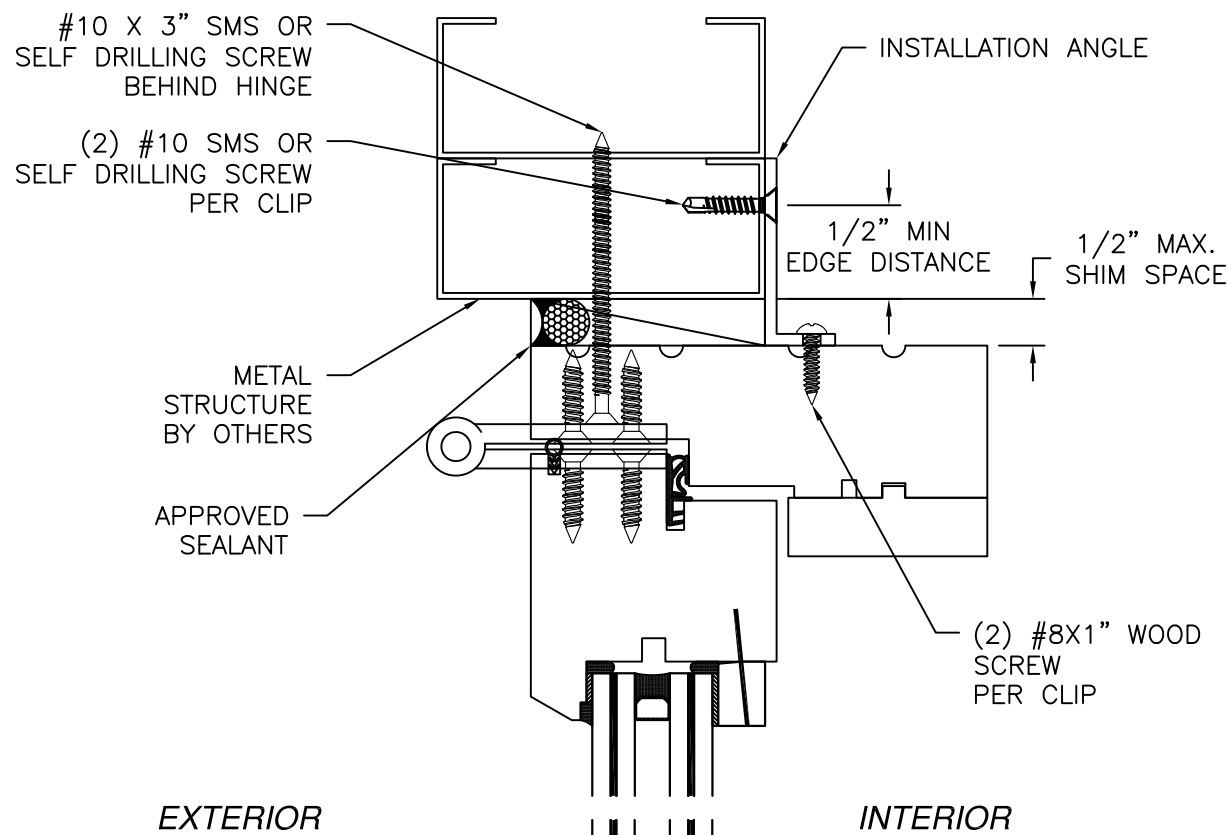
REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD35 AWNING 103" X 127 13/16" - IMPACT INSTALLATION DETAILS W/INSTALLATION ANGLE		
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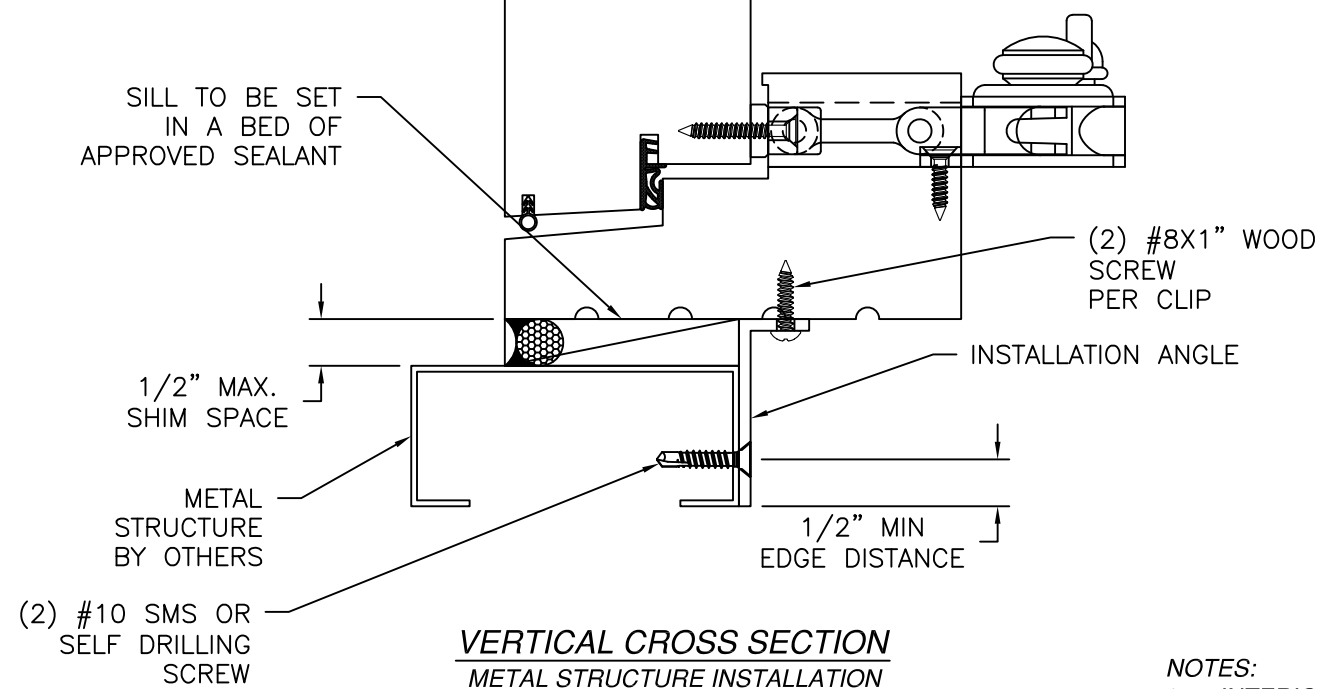


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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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RWD35 AWNING
103" X 127 13/16" - IMPACT
INSTALLATION DETAILS W/INSTALLATION ANGLE

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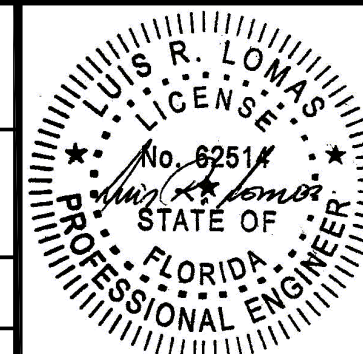
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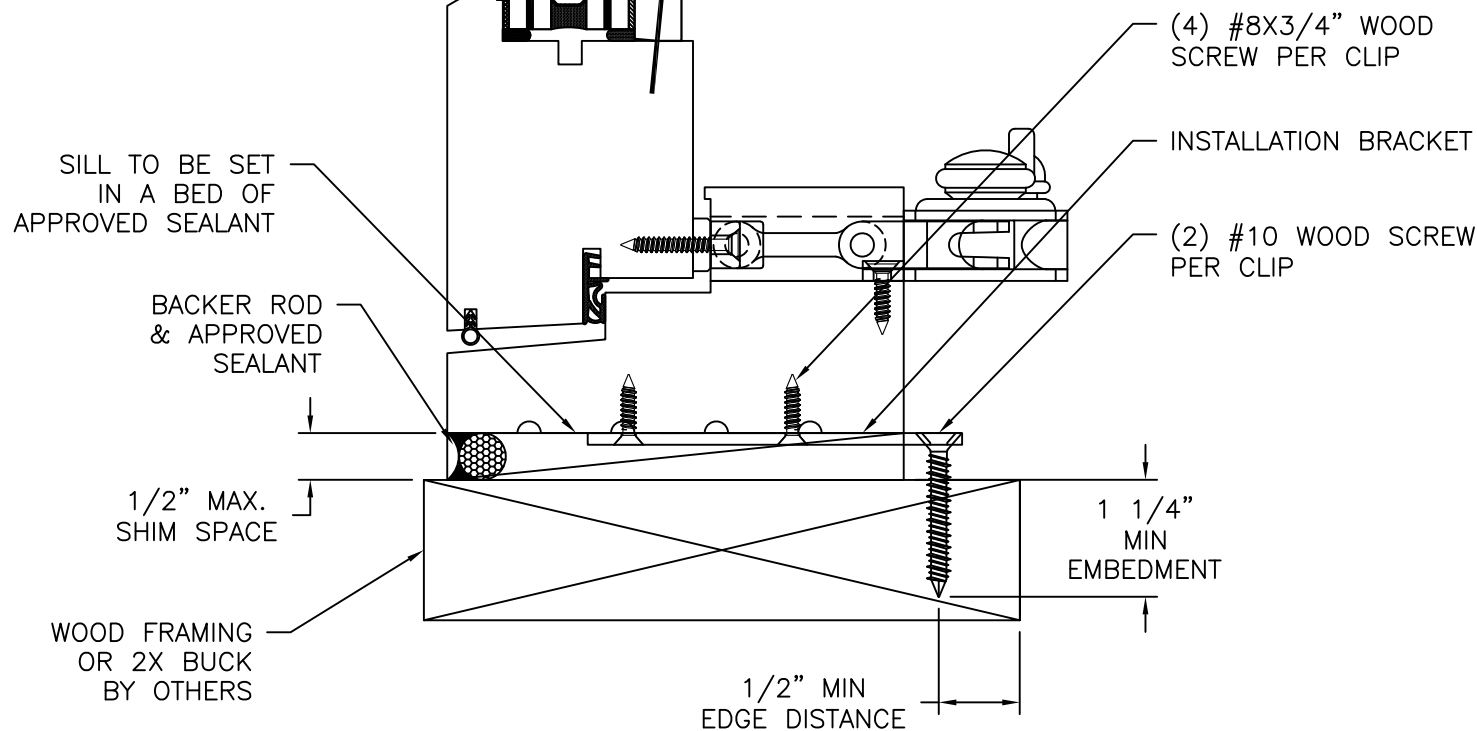
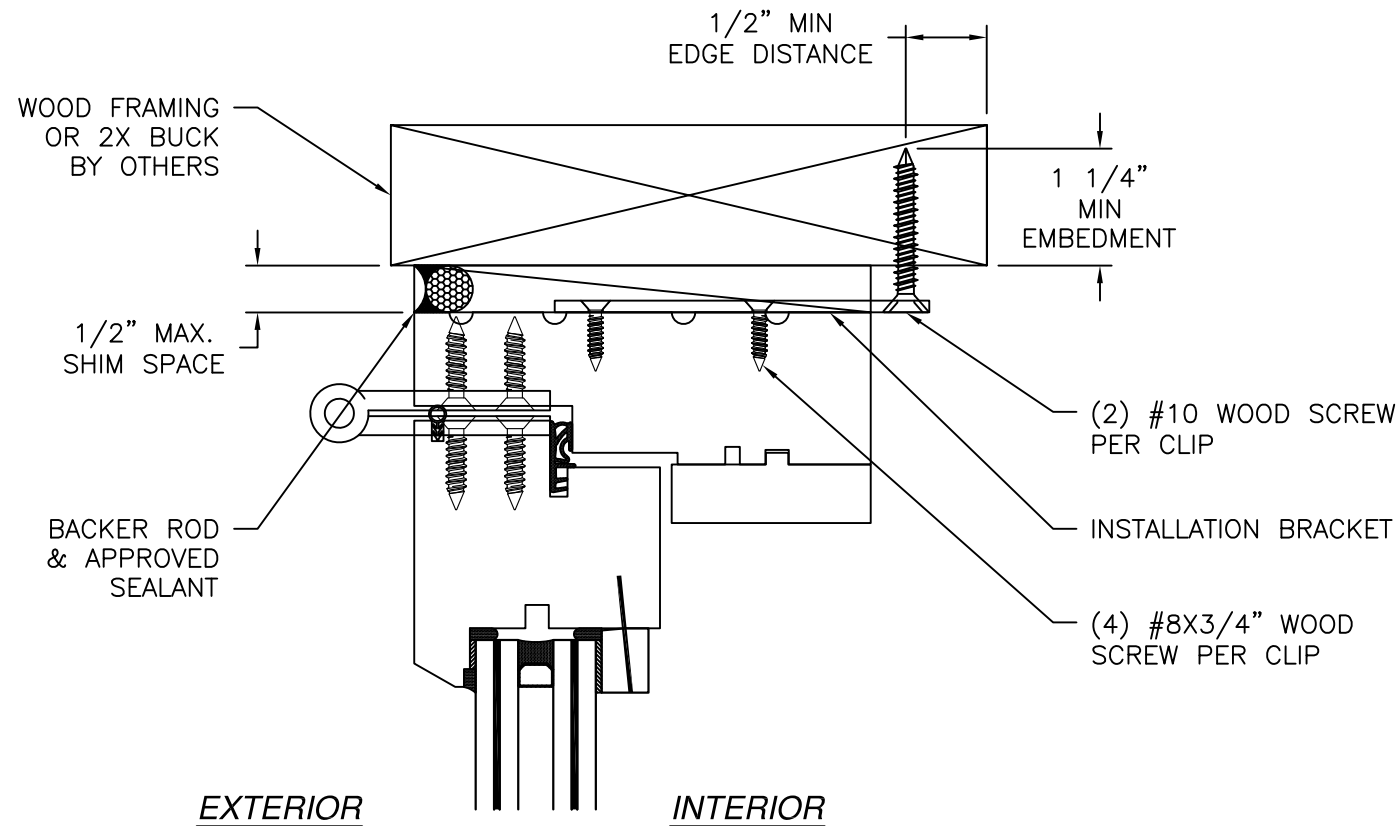
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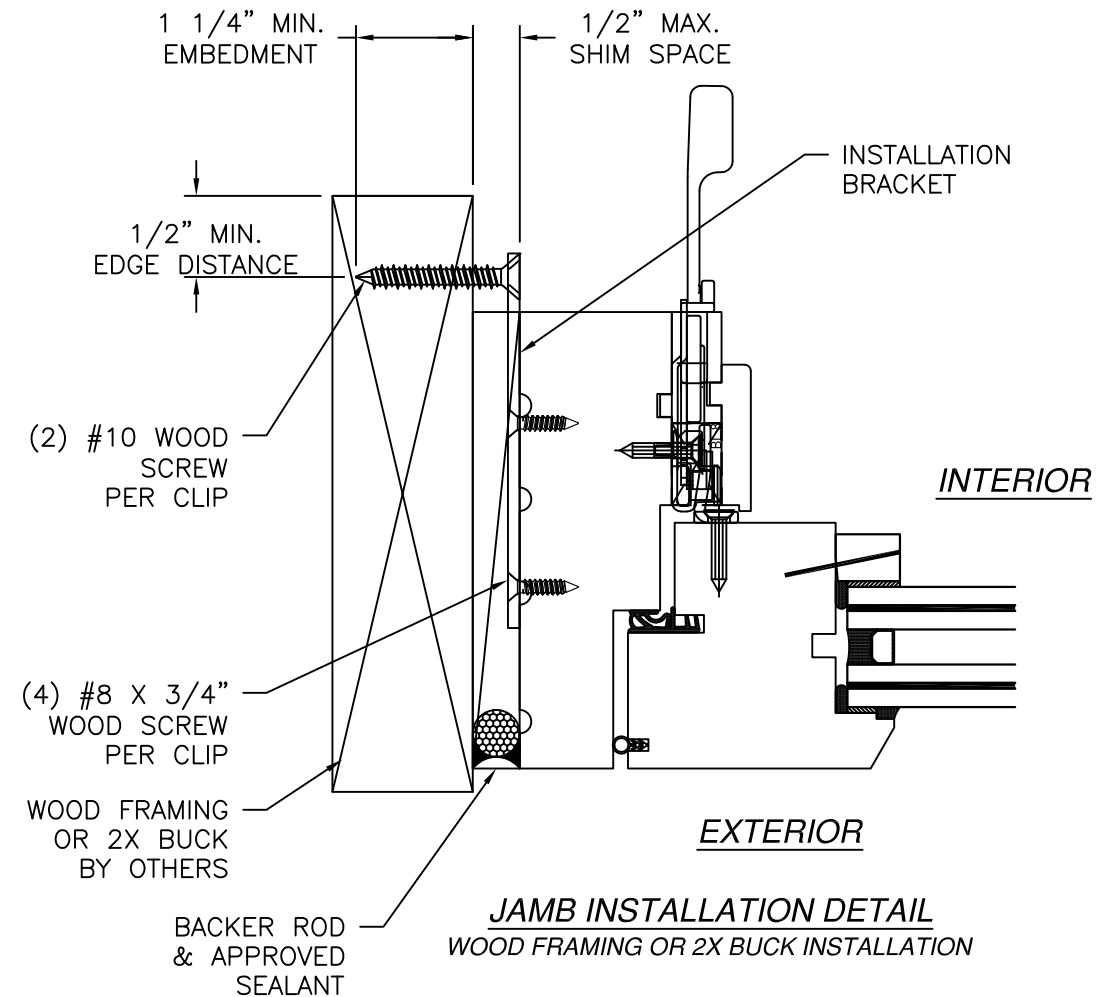
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

REILLY WINDOWS & DOORS

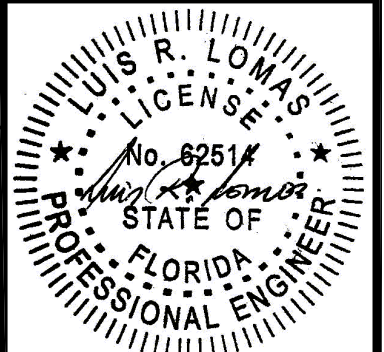
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 AWNING
103" X 127 13/16" - IMPACT
INSTALLATION DETAILS W/ INSTALLATION BRACKET

DRAWN: N.G.	DWG NO. 08-02836	REV A
SCALE NTS	DATE 02/09/16	SHEET 7 OF 13

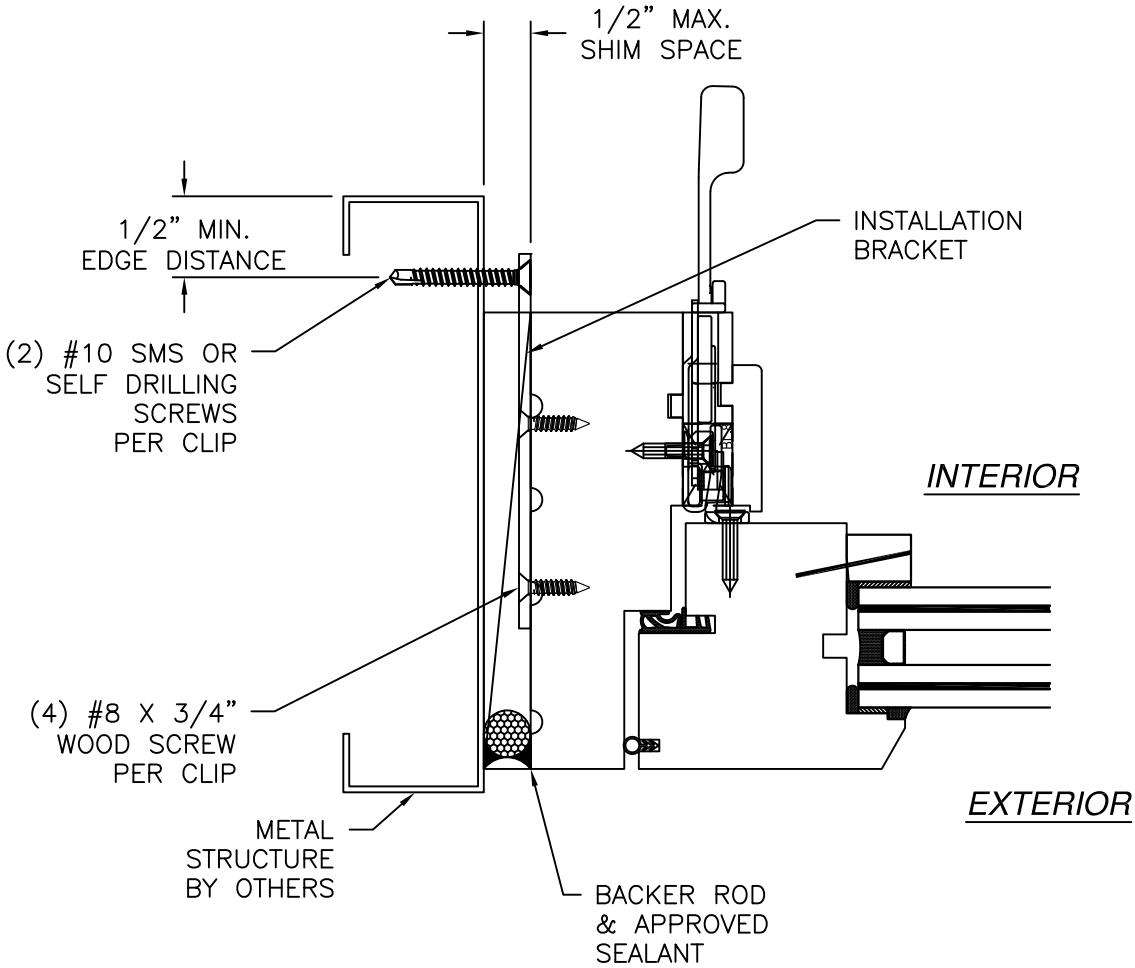
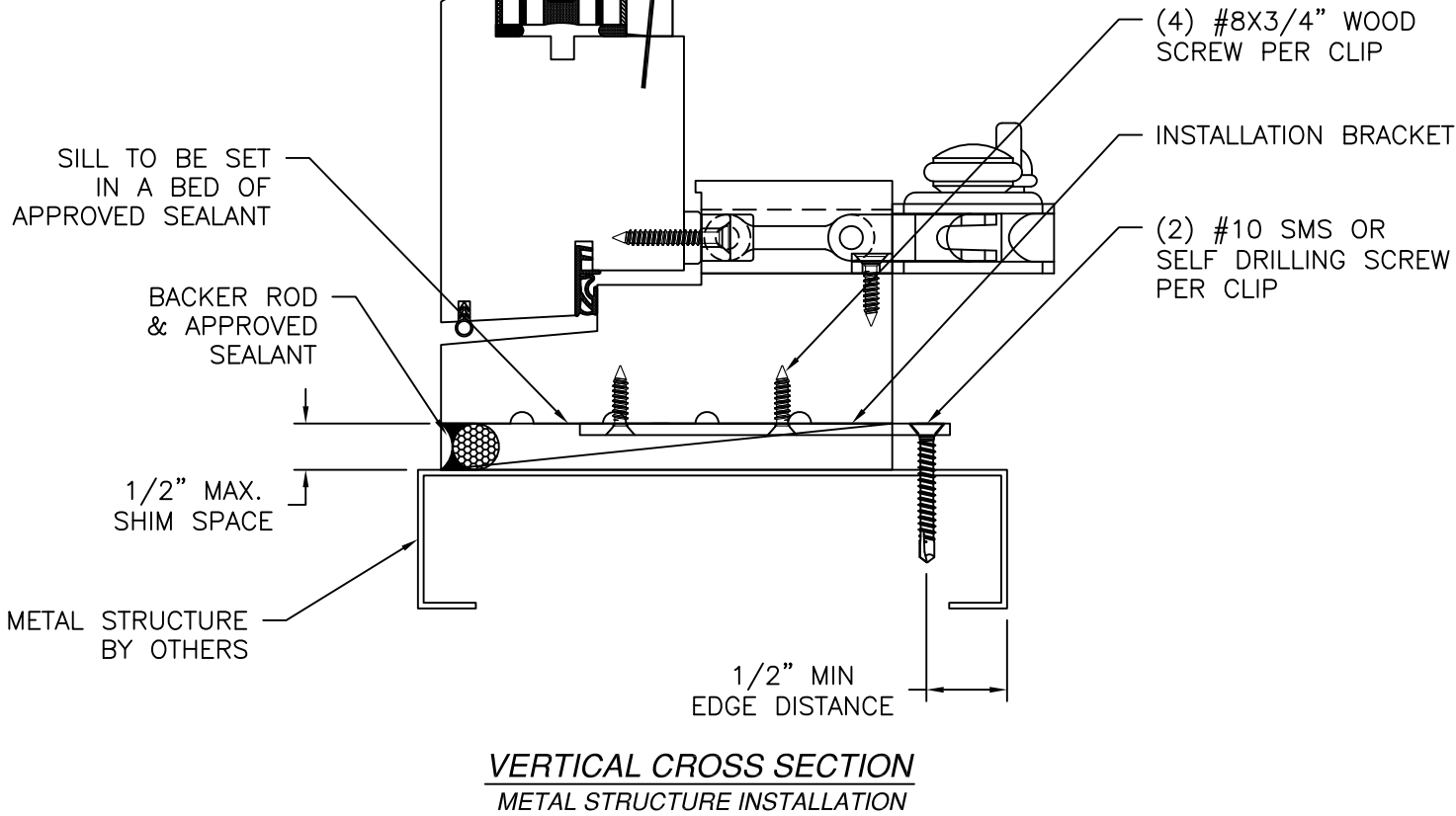
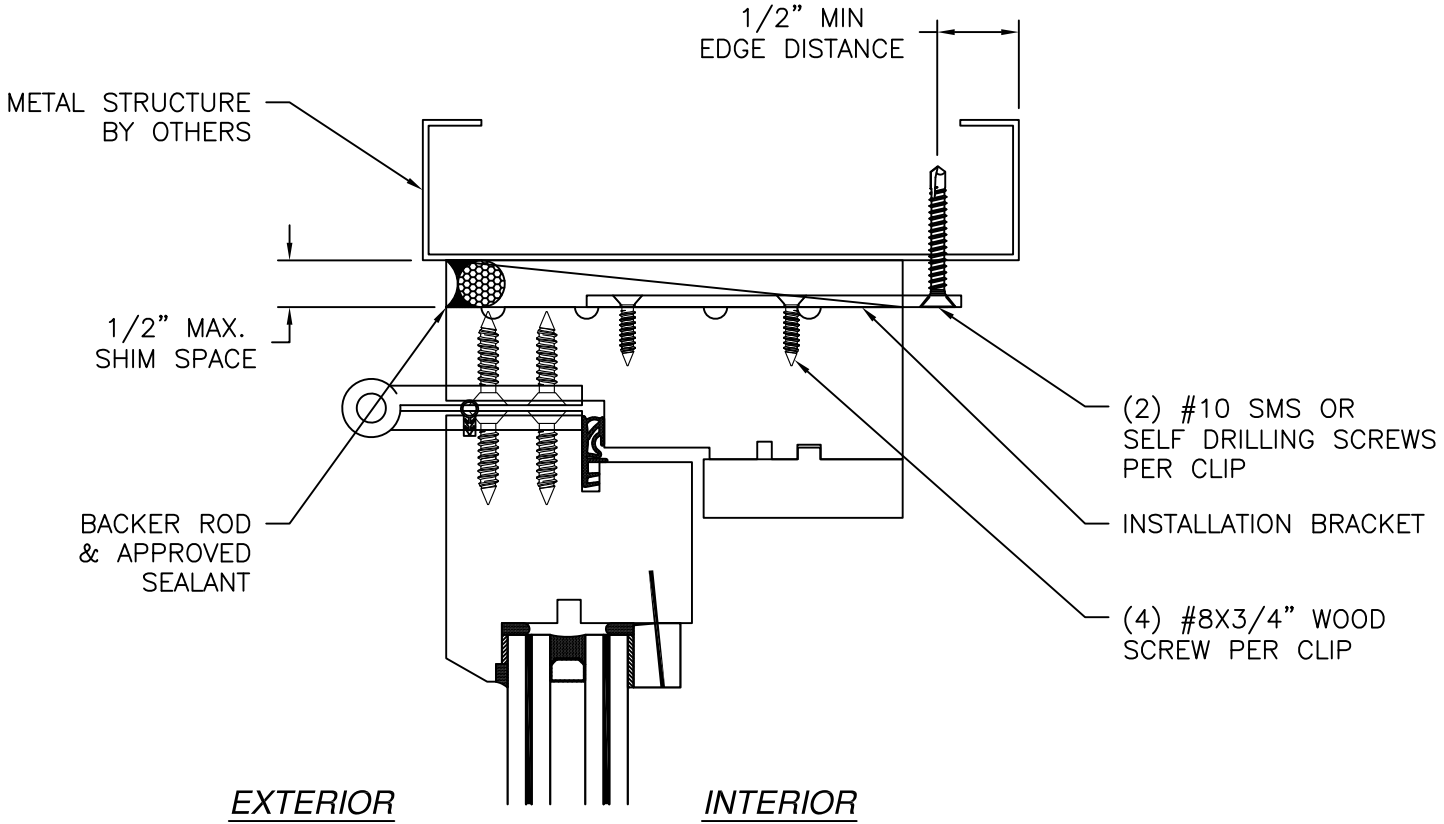
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com

SIGNED: 07/20/2026



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TO ADD INSTALLATION DETAILS	03/09/2021	R.L.



JAMB INSTALLATION DETAIL
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

SIGNED: 07/20/2026

REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 AWNING
103" X 127 13/16" - IMPACT
INSTALLATION DETAILS W/INSTALLATION BRACKET

DRAWN:
N.G.

DWG NO.
08-02836

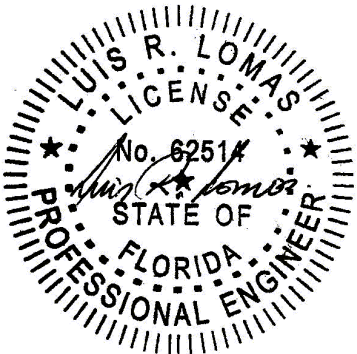
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DATE
02/09/16

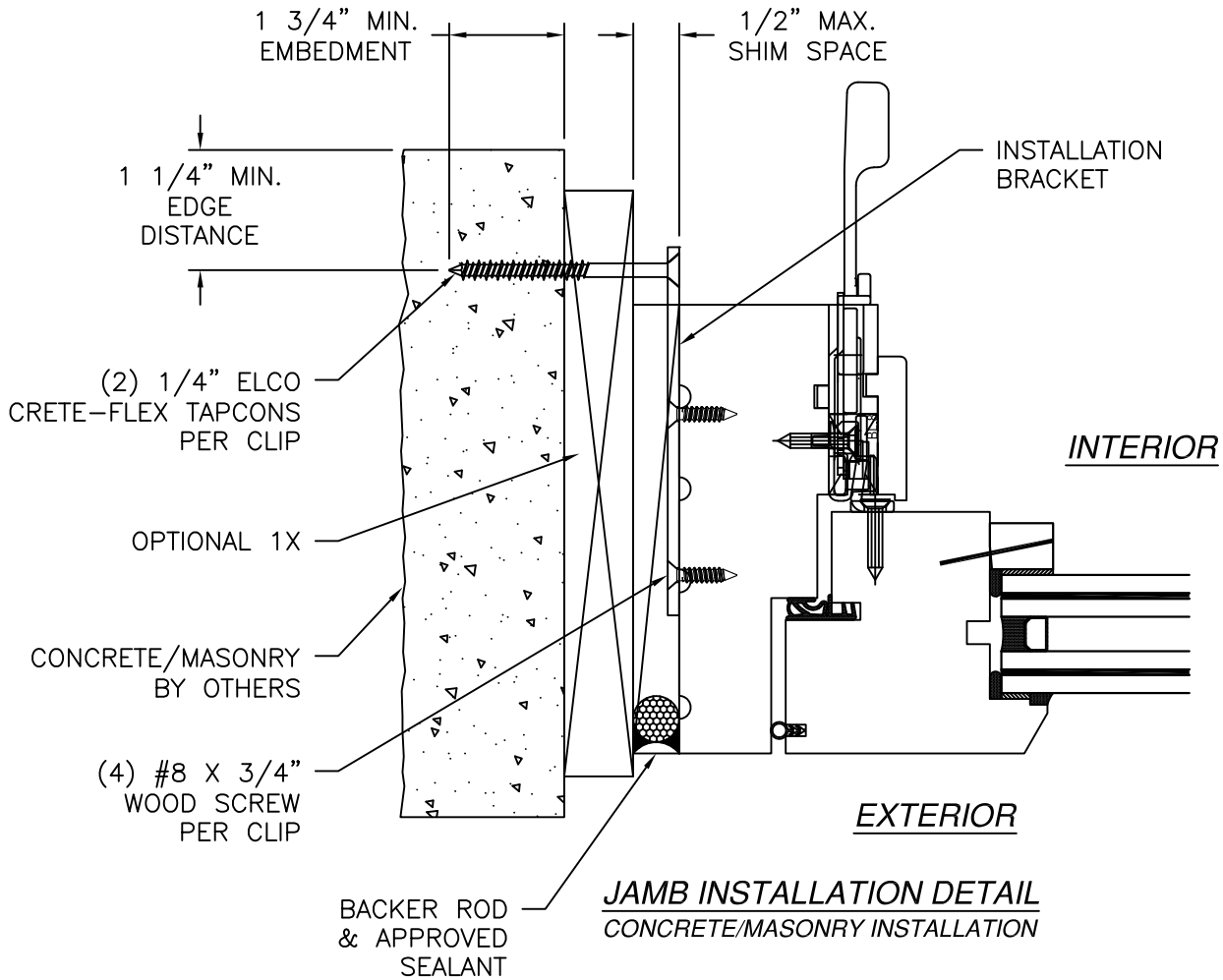
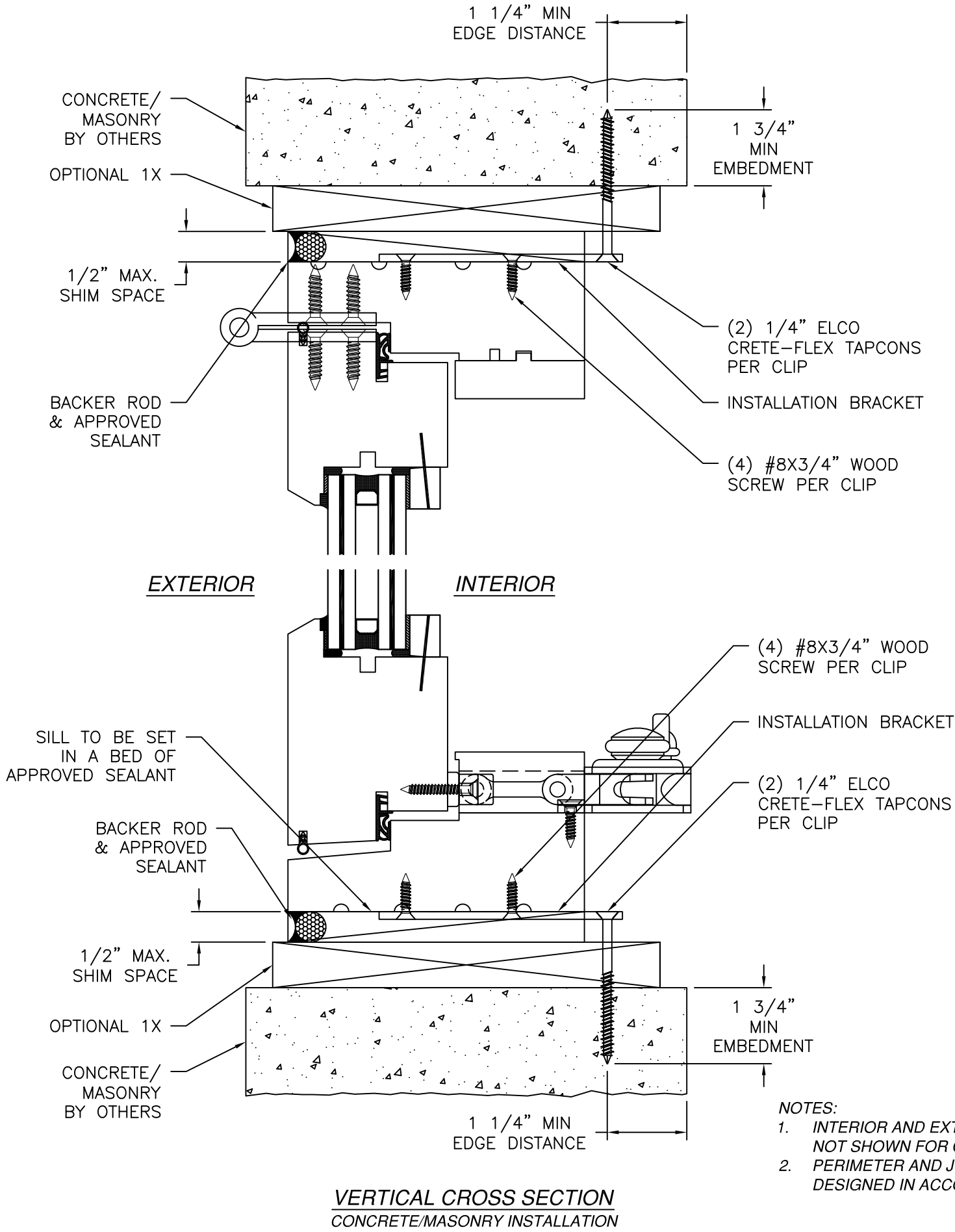
SHEET
8 OF 13

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Luis R. Lomas P.E.
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REILLY WINDOWS & DOORS

901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 AWNING

103" X 127 13/16" - IMPACT

INSTALLATION DETAILS W/ INSTALLATION BRACKET

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DWG NO. 08-02836

REV A

SCALE NTS

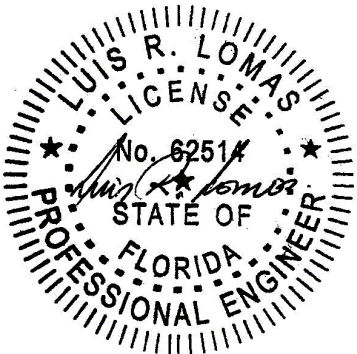
DATE 02/09/16

SHEET 9 OF 13

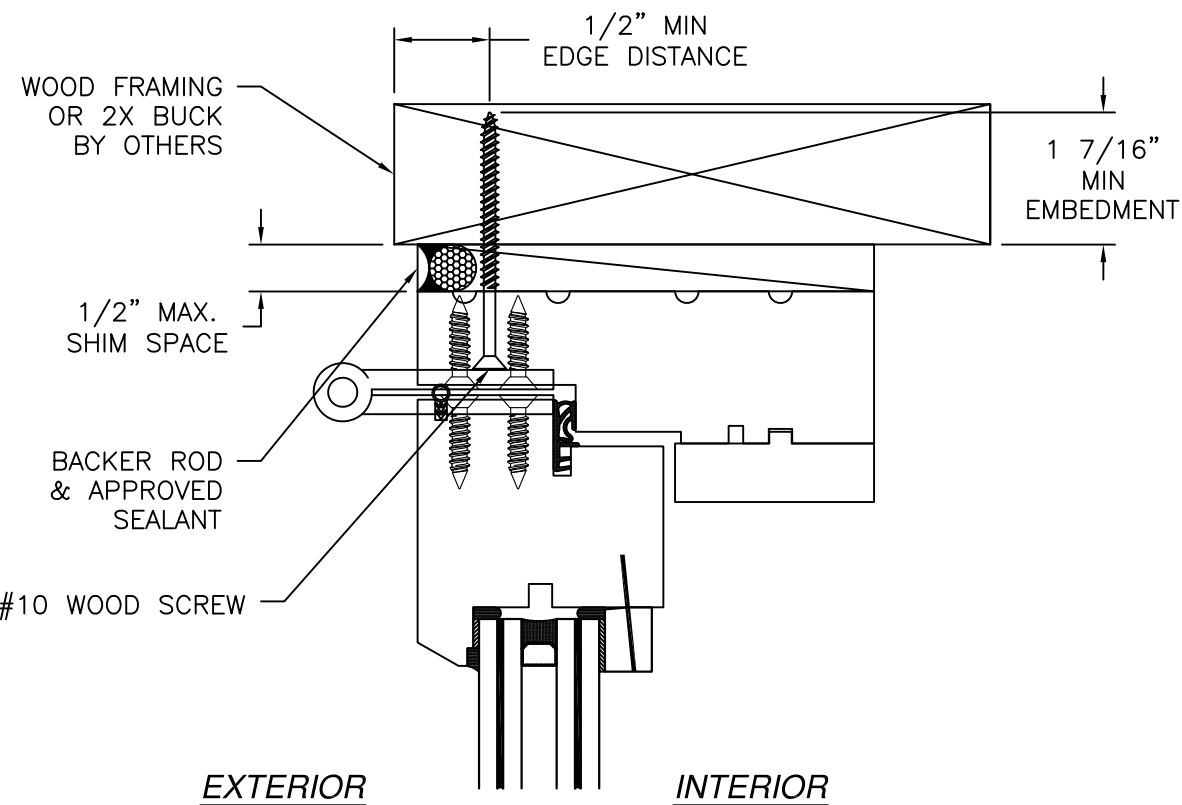
L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

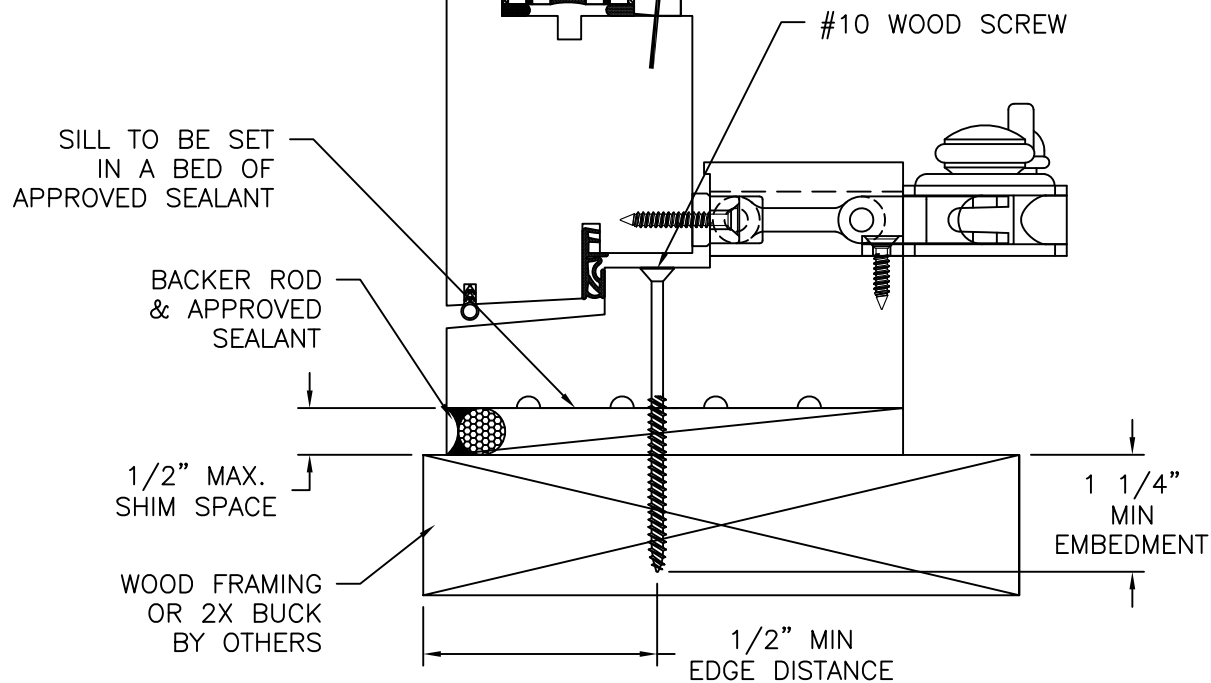
434-688-0609 rllomas@lrlomaspe.com



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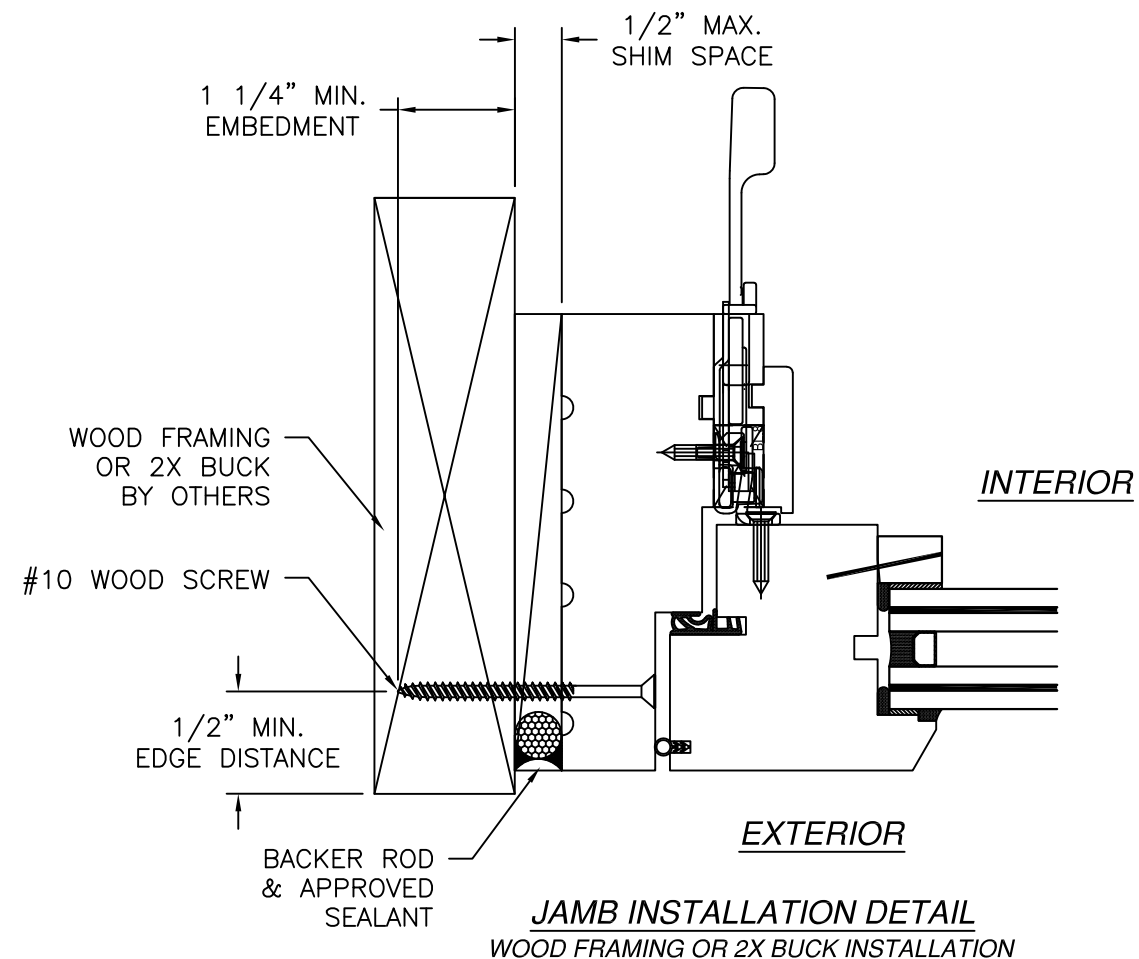


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



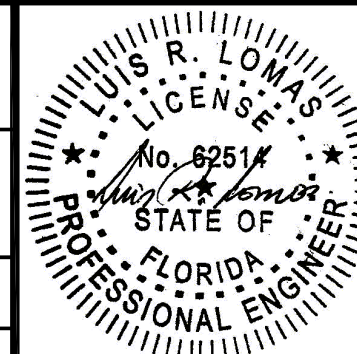
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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REVISIONS			
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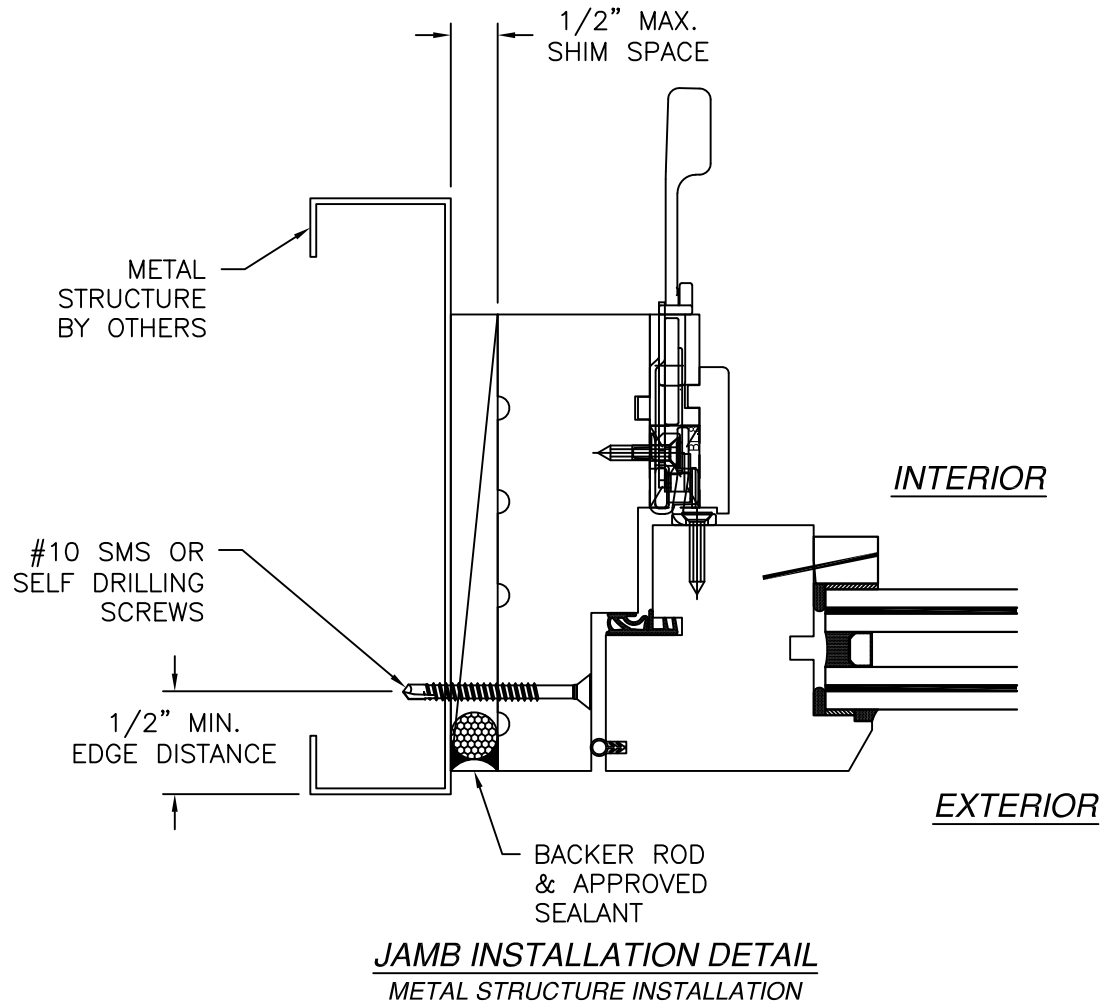
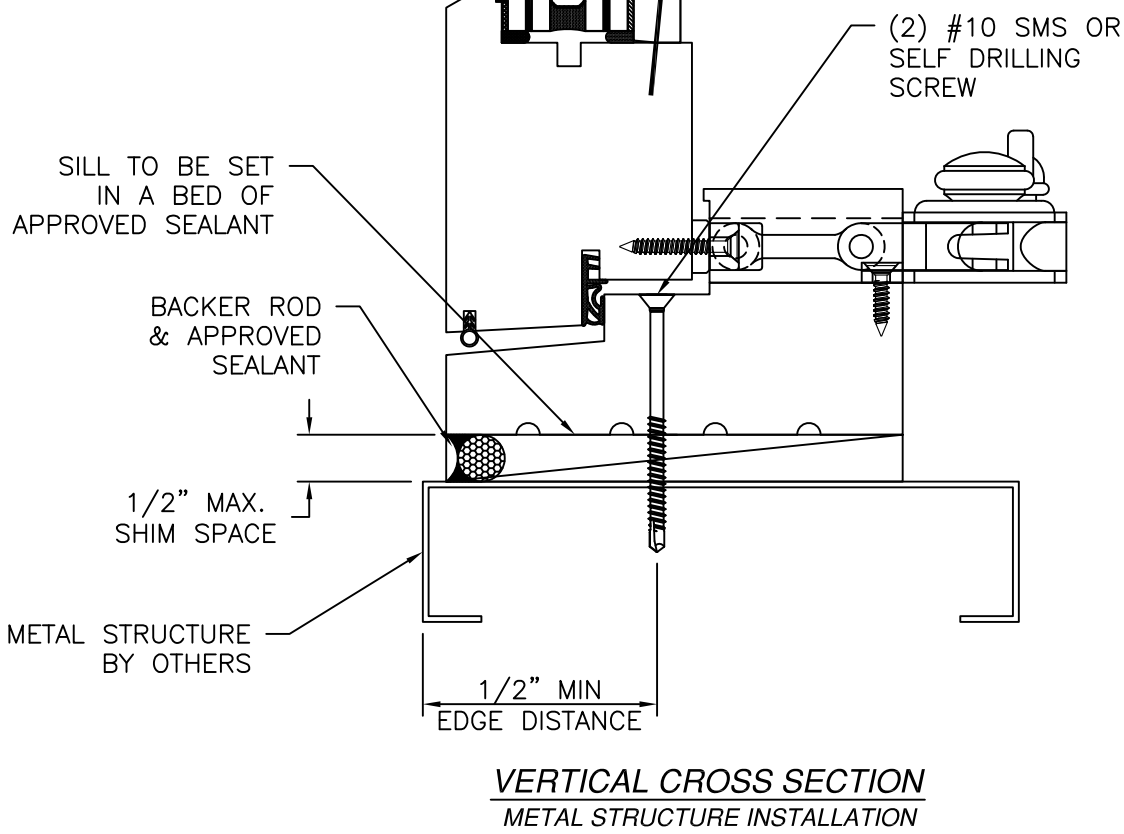
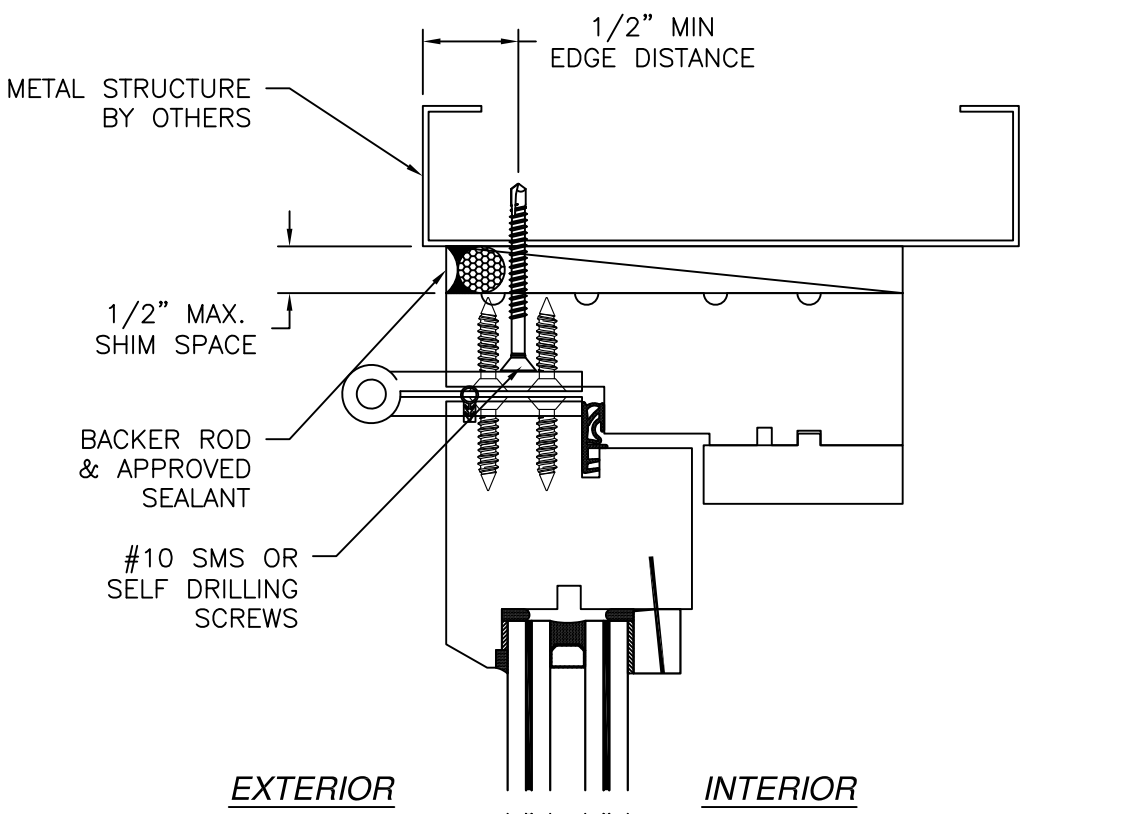
REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD35 AWNING 103" X 127 13/16" - IMPACT FRAME INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02836	REV A
SCALE NTS	DATE 02/09/16	SHEET 10 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 AWNING
103" X 127 13/16" - IMPACT
FRAME INSTALLATION DETAILS

DRAWN:
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DWG NO.
08-02836

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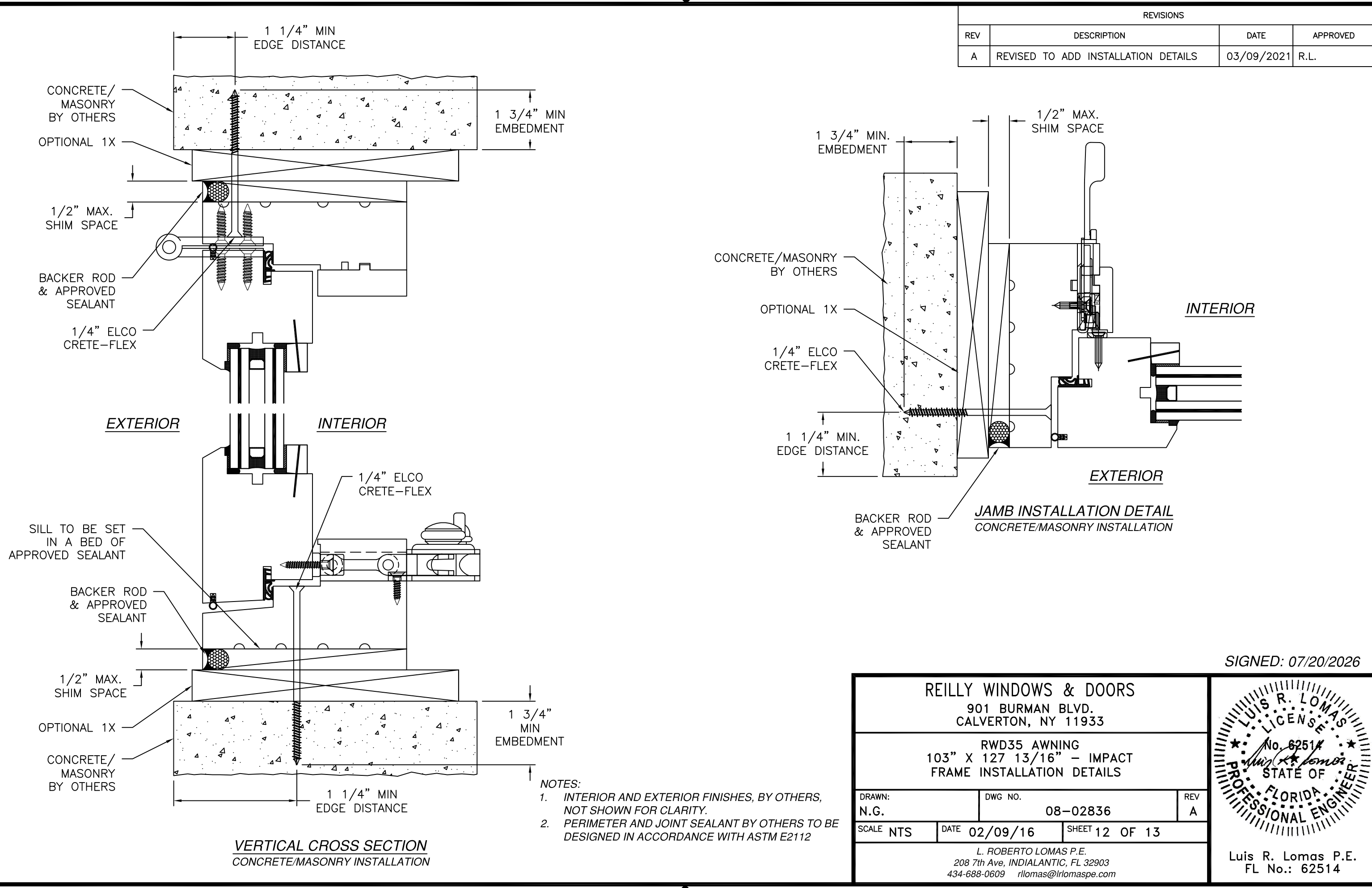
DATE
02/09/16

SHEET
11 OF 13

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STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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REVISIONS			
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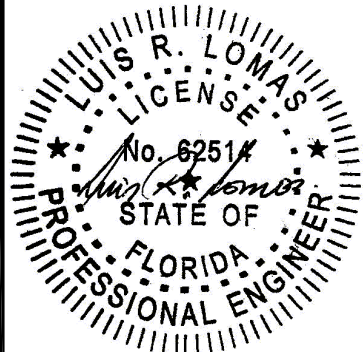
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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 AWNING
103" X 127 13/16" - IMPACT
FRAME INSTALLATION DETAILS

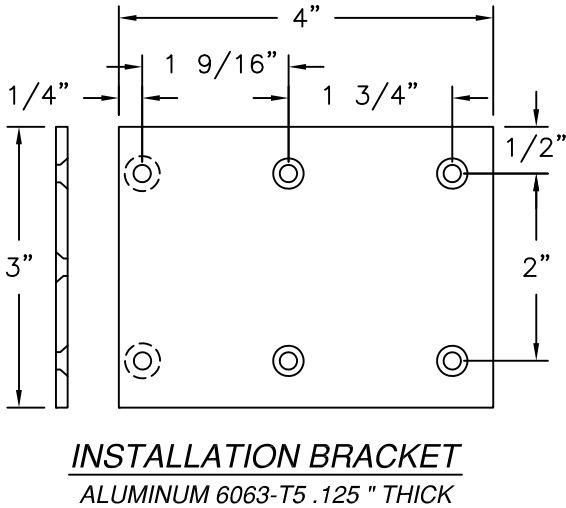
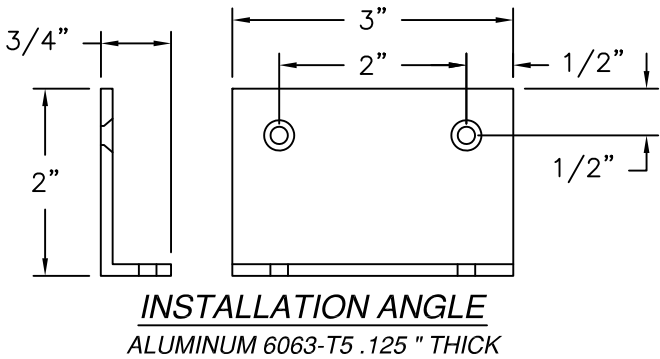
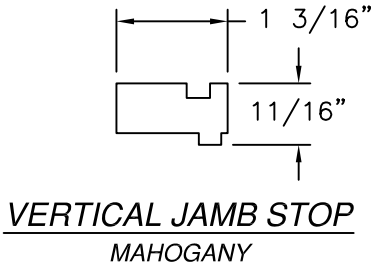
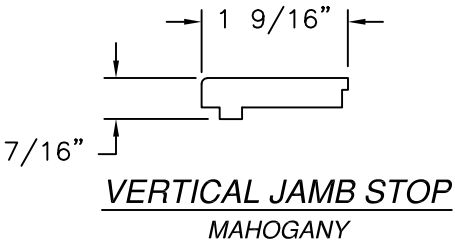
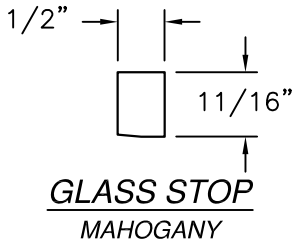
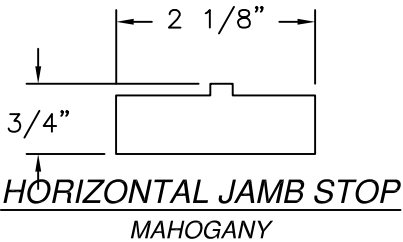
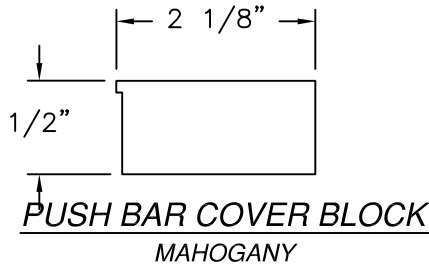
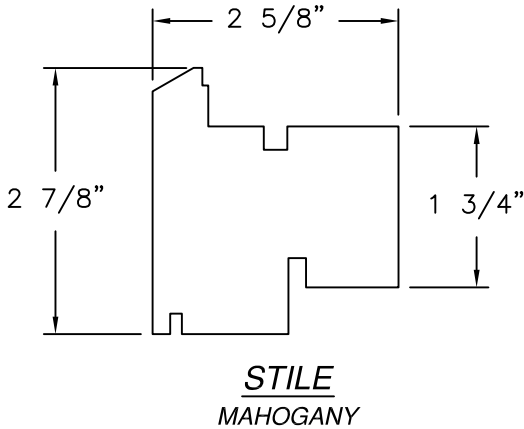
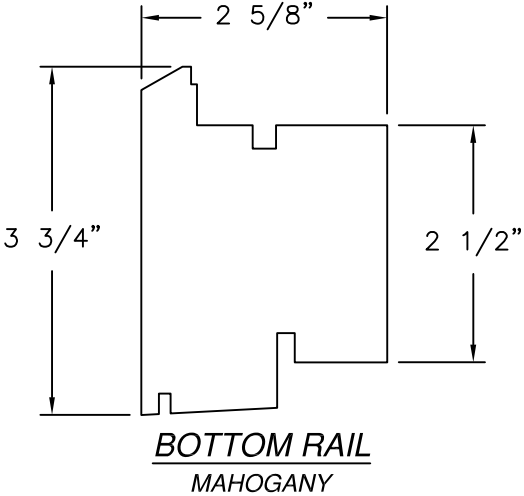
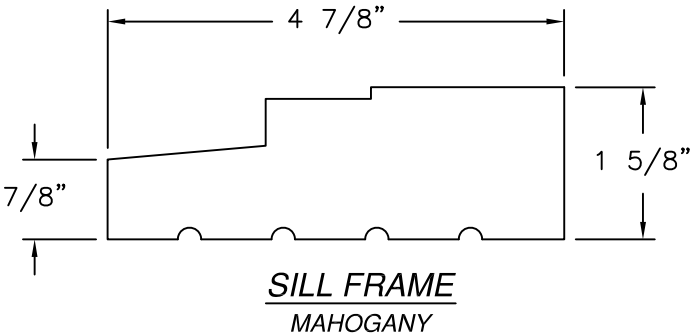
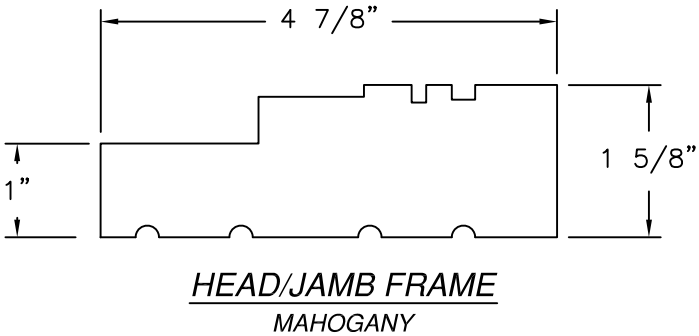
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SCALE NTS	DATE 02/09/16	SHEET 12 OF 13

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REILLY WINDOWS & DOORS
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD35 AWNING
103" X 127 13/16" – IMPACT
COMPONENTS

DRAWN:
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DWG NO.
08-02836

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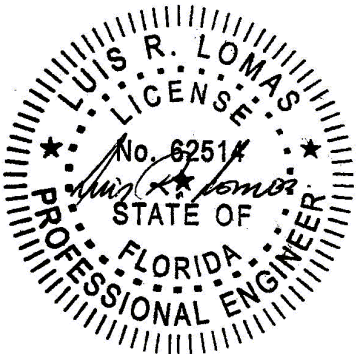
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SHEET
13 OF 13

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