

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

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. 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.
4. 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.
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 WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED AND MUST BE ANCHORED PROPERLY.
7. 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”.
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: THERMALLY BROKEN BRONZE
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 10 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. 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.
14. 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.
15. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4” 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.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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:

17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

17.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

17.4. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM
18. GEOMETRIC SHAPES ARE ALSO APPROVED. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED INSCRIBED DIMENSIONS OF APPROVED RECTANGULAR ASSEMBLY SHOWN IN SHEETS 2 AND 3.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 – 3	ELEVATIONS
4 – 9	INSTALLATION DETAILS
10	COMPONENTS

REILLY WINDOWS & DOORS

901 BURMAN BLVD.

CALVERTON, NY 11933

RWD40 BRONZE INSWING DOOR

IMPACT

NOTES

DRAWN:

R.L.

DWG NO.

08–03947

REV

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SCALE

NTS

DATE

07/17/23

SHEET

1

OF

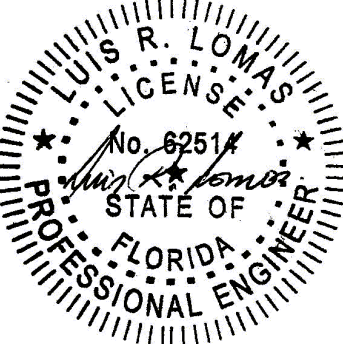
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L. ROBERTO LOMAS P.E.

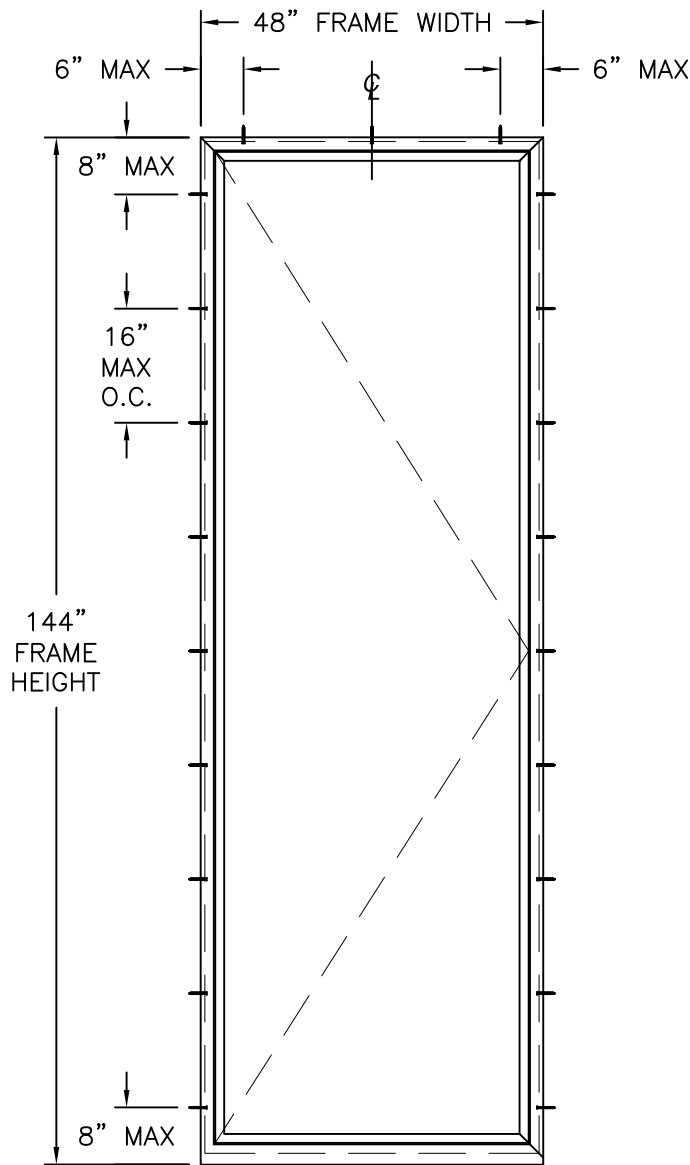
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/20/2026



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



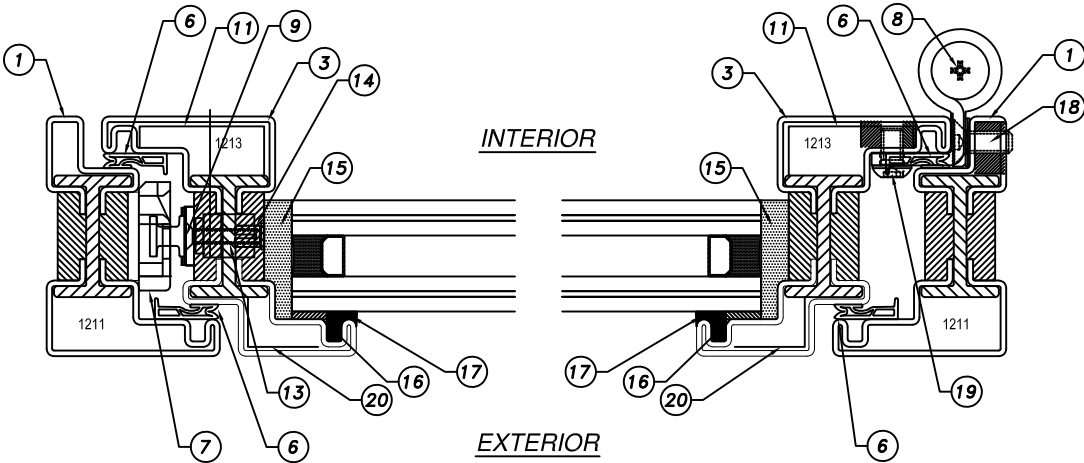
RWD40 BRONZE INSWING DOOR
EXTERIOR VIEW

W/SIEGENIA MULTIPOINT LOCK

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 40.0 \text{ PSF}$	LARGE MISSILE IMPACT

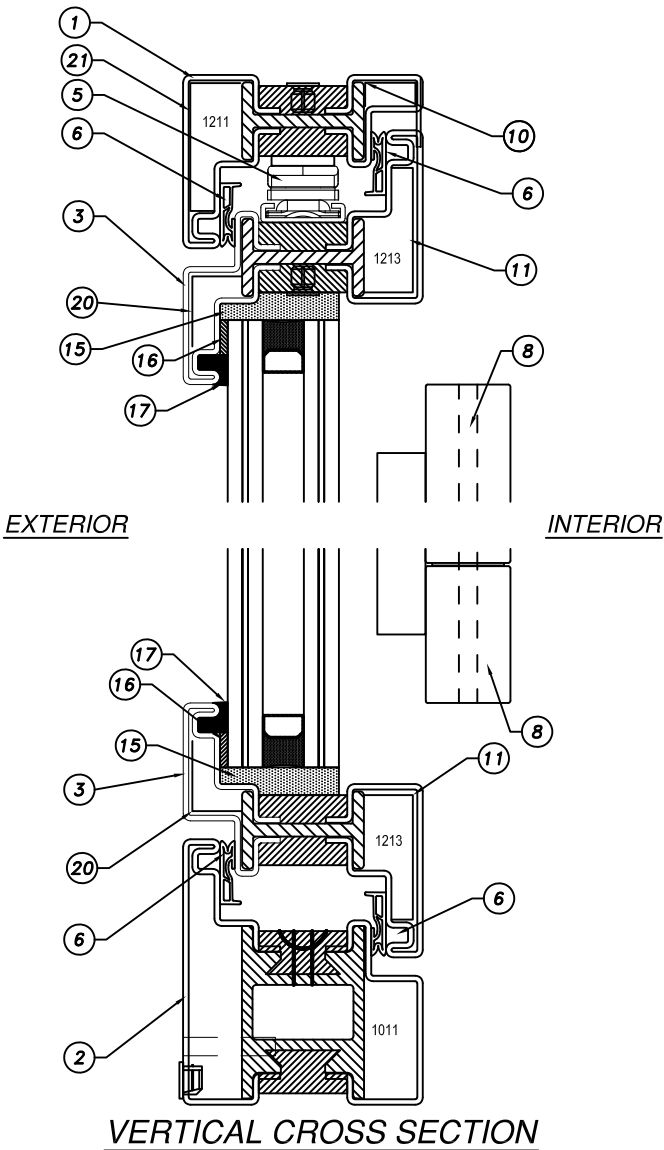
MISSILE LEVEL D, WIND ZONE 4

- NOTES:
- SASH SIZE: 46 7/8" X 141 7/8"
 - D.L.O.: 41 3/8" X 136 3/8"



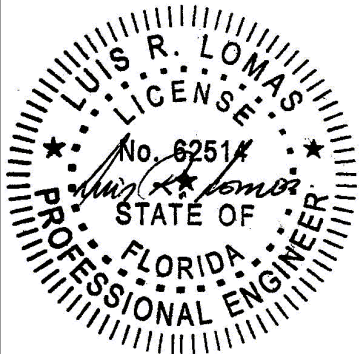
HORIZONTAL CROSS SECTION

BILL OF MATERIALS			
ITEM NO.:	PART NUMBER	DESCRIPTION	MATERIAL
1	P1211	HEAD, JAMB	BRONZE
2	P1011	SILL	BRONZE
3	P1213	SASH	BRONZE
4		#8X3" 18-8 SCREW	STAINLESS STEEL
5	178	FRICTION ADJUSTER	STAINLESS STEEL
6		WEATHERSTRIP	SILICONE
7	TRSK0850-200010	KEEPER	STEEL
8	AC1037	HINGE	STAINLESS STEEL
9		MULTI-POINT LOCK, SIEGENIA	STEEL
10		CORNER KEY KIT	STAINLESS STEEL
11		CORNER KEY KIT	STAINLESS STEEL
12		#10 X 2 1/2" 18-8 SCREW	STAINLESS STEEL
13		M4X0.7 FH SCREW	STAINLESS STEEL
14	KVT 338M4	THREAD INSERT	BRASS
15	DOW 121	SILICONE	SILICONE
16	EGCT	GLAZING TAPE	FOAM
17	DOW 795	SILICONE	SILICONE
18		M6X12 FH SCREW	STAINLESS STEEL
19		M6X9 PH SCREW	STAINLESS STEEL
20		CORNER KEY KIT	STAINLESS STEEL
21		CORNER KEY KIT	STAINLESS STEEL
22	P1013	SASH STILE	BRONZE
23		STRIKE	STAINLESS STEEL
24	AC1007I	CORNER KEY KIT	STAINLESS STEEL
25	RA 0023	HOOK STRIKE	STAINLESS STEEL
26		MULTI-POINT LOCK, HOPPE	STAINLESS STEEL
27	HW026E	SHOOT BOLT STRIKE	STAINLESS STEEL
28	HW026D	SHOOT BOLT GUIDE	STAINLESS STEEL
29		CORNER KEY KIT	STAINLESS STEEL
30		SHOOT BOLT	STAINLESS STEEL
31		#8 X 1/2" FH SCREW	STAINLESS STEEL
32		#8 X 2" FH SCREW	STAINLESS STEEL

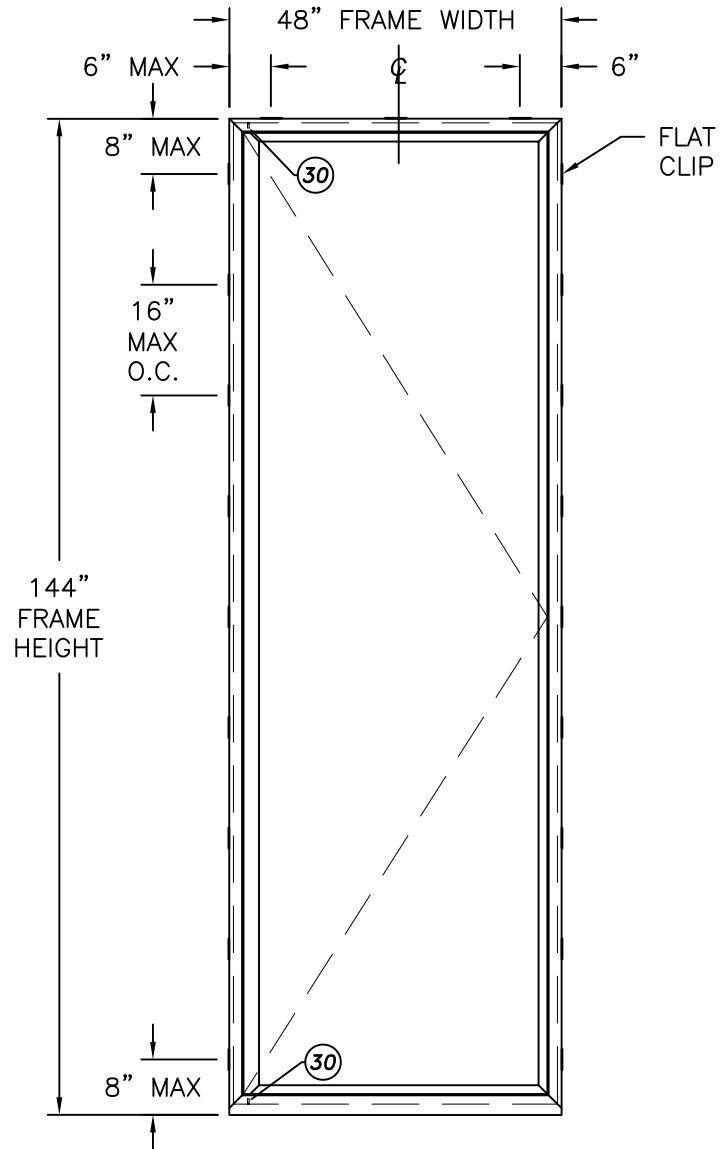


REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD40 BRONZE INSWING DOOR IMPACT UNIT W/SIEGENIA MULTI-POINT LOCK		
DRAWN: R.L.	DWG NO. 08-03947	REV -
SCALE NTS	DATE 07/17/23	SHEET 2 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

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RWD40 BRONZE INSWING DOOR
EXTERIOR VIEW

W/HOPPE MULTIPOINT LOCK & SHOOT BOLT

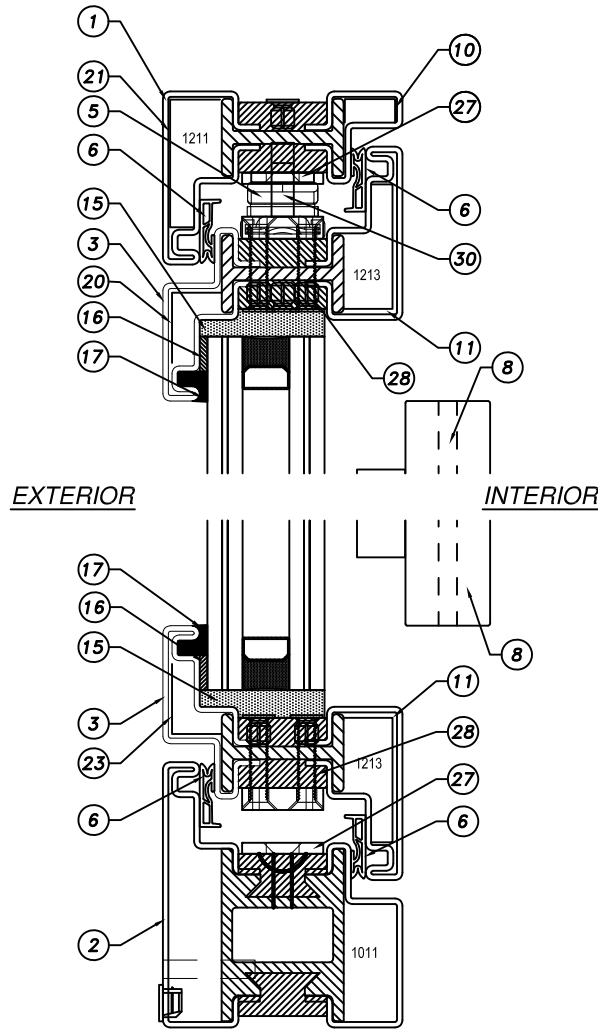
DESIGN PRESSURE RATING	IMPACT RATING
$\pm 60.0\text{PSF}$	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

W/SIEGENIA MULTIPOINT LOCK

DESIGN PRESSURE RATING	IMPACT RATING
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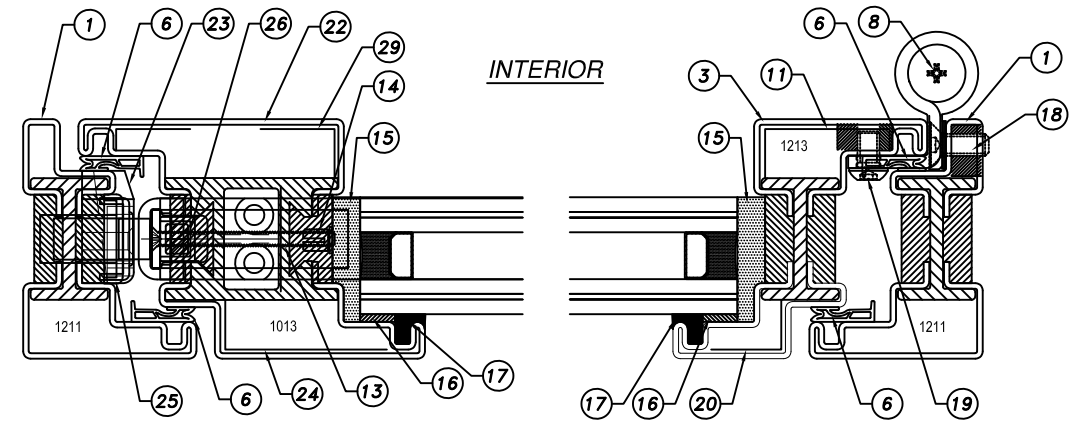
MISSILE LEVEL D, WIND ZONE 4



VERTICAL CROSS SECTION

NOTES:

- SASH SIZE: 46 7/8" X 141 7/8"
- D.L.O.: 40.4" X 136 3/8"



HORIZONTAL CROSS SECTION

REILLY WINDOWS & DOORS

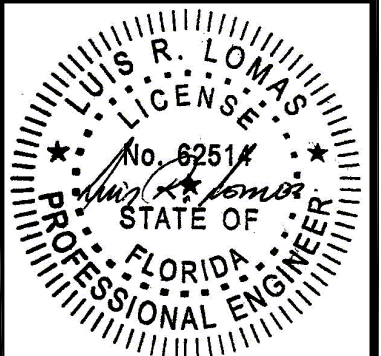
901 BURMAN BLVD.
CALVERTON, NY 11933

RWD40 BRONZE INSWING DOOR
IMPACT
UNIT W/HOPPE MULTI-POINT LOCK & SHOOT BOLT

DRAWN: R.L.	DWG NO. 08-03947	REV -
SCALE NTS	DATE 07/17/23	SHEET 3 OF 10

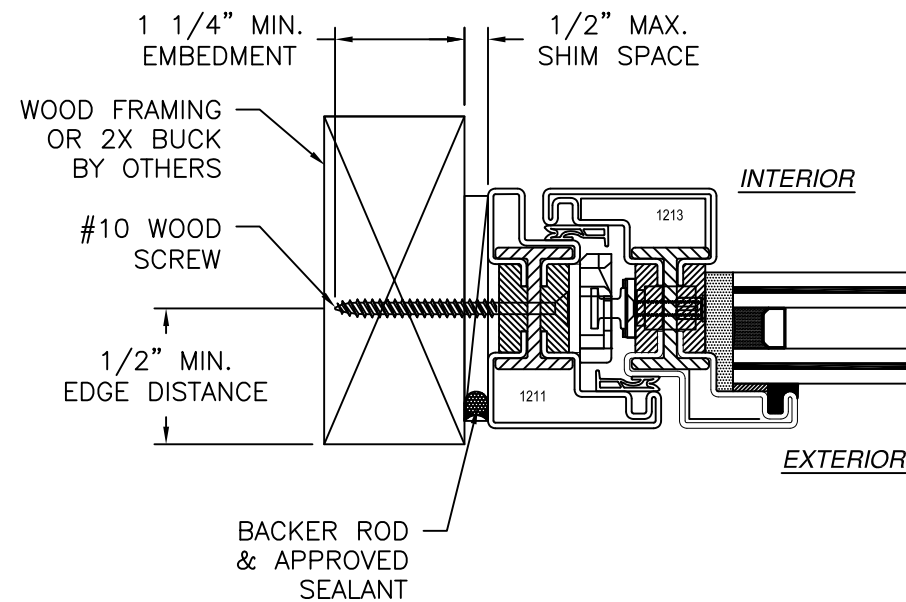
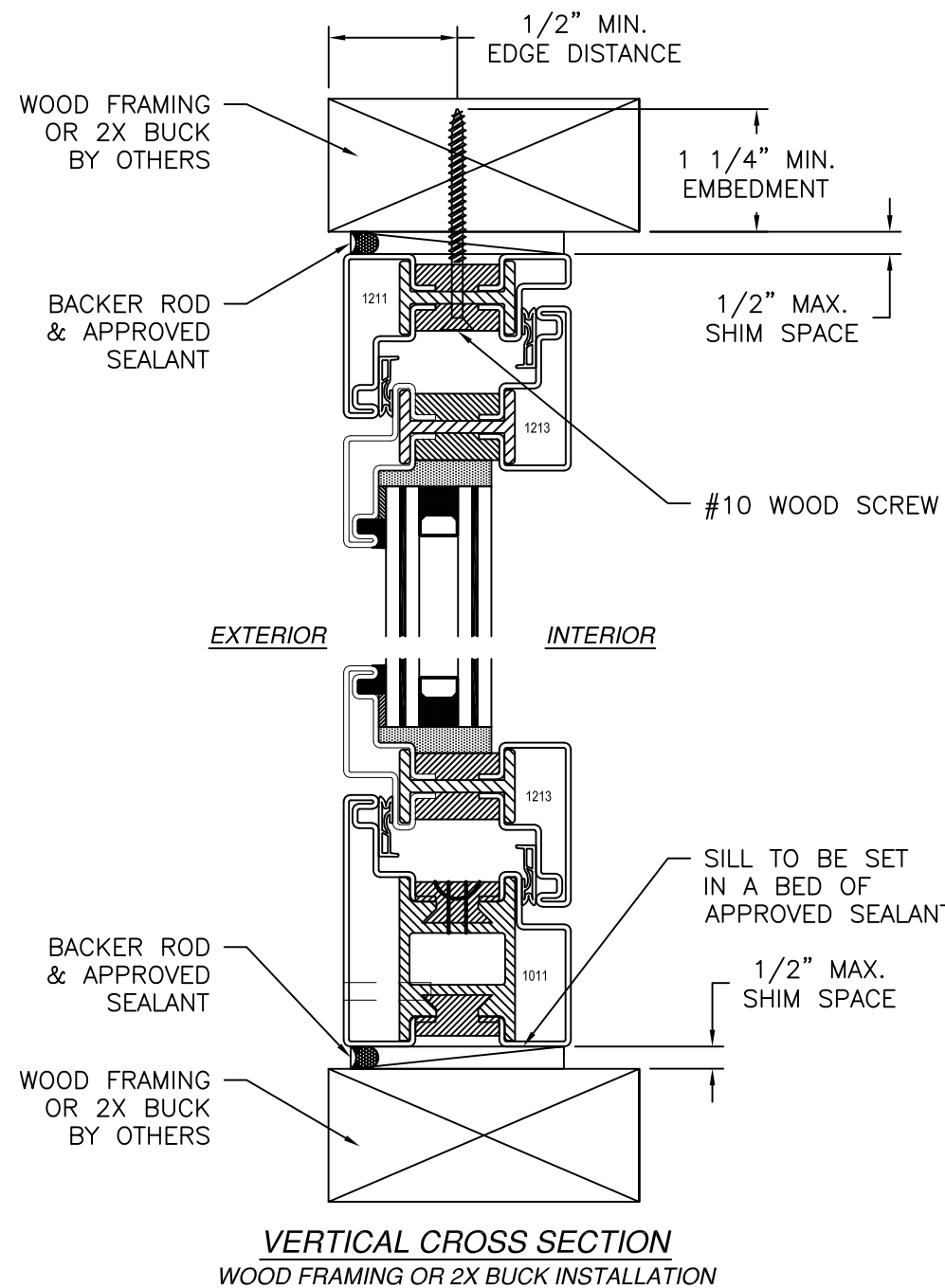
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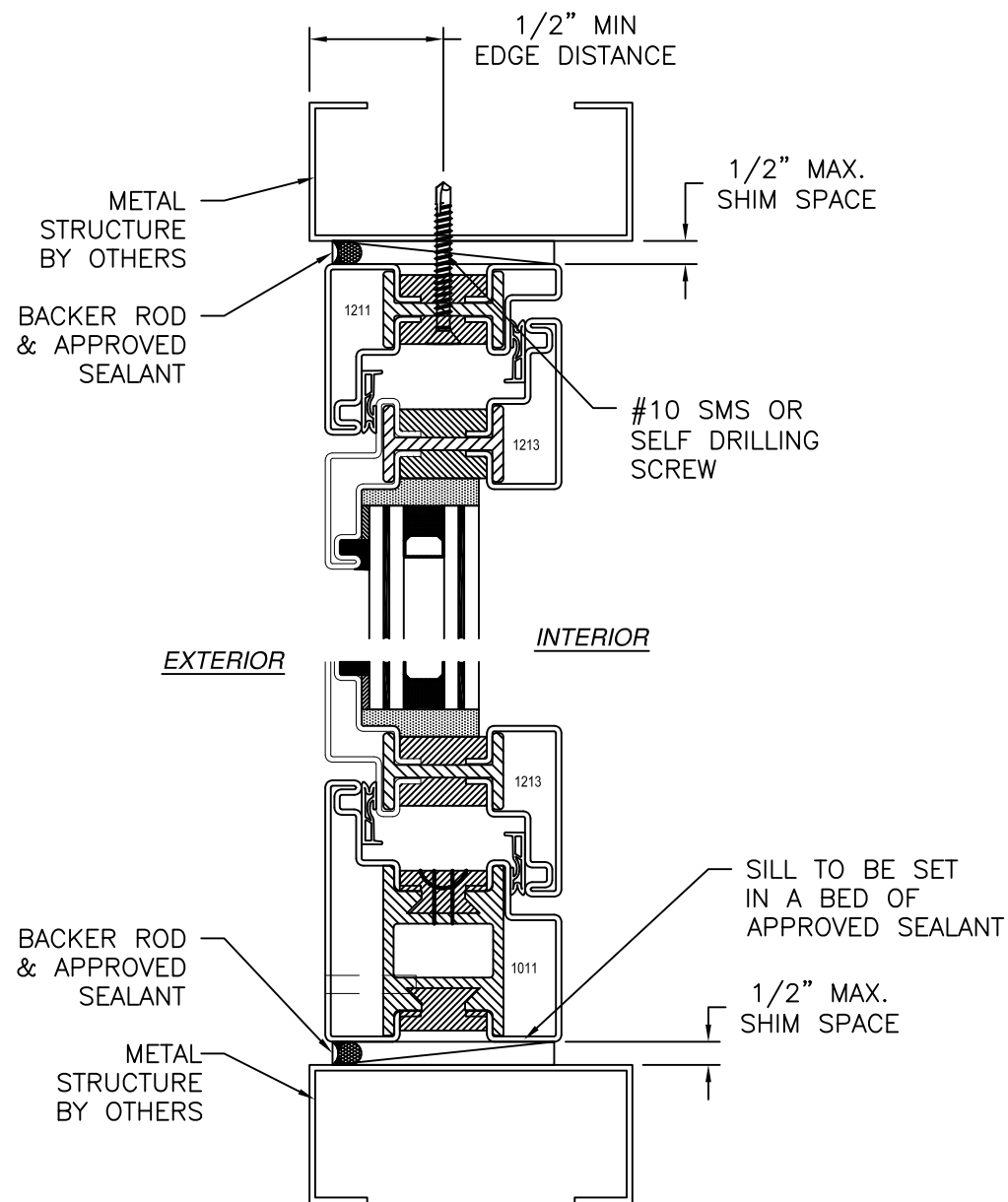
HORIZONTAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

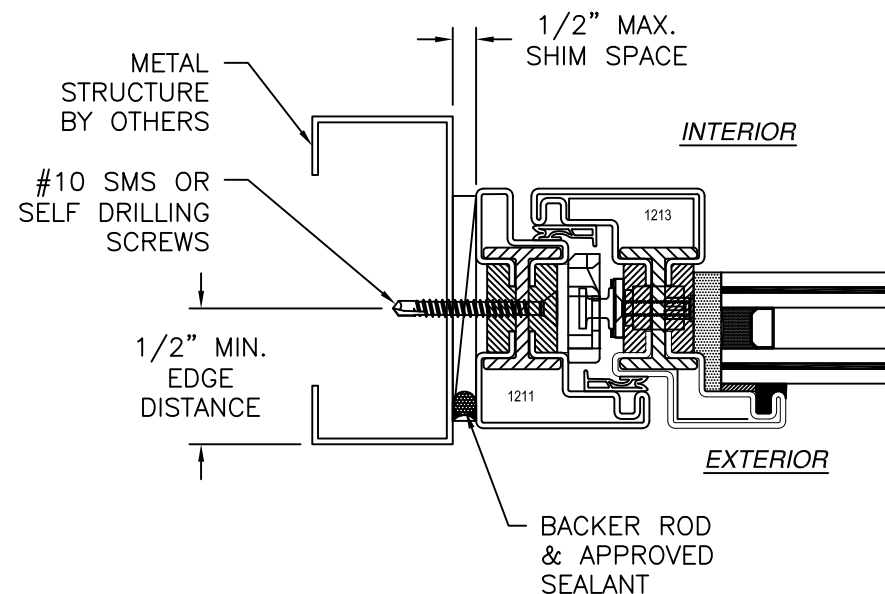
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REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933			
RWD40 BRONZE INSWING DOOR IMPACT FRAME INSTALLATION DETAILS			
DRAWN: R.L.	DWG NO. 08-03947	REV -	
SCALE NTS	DATE 07/17/23	SHEET 4 OF 10	
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			Luis R. Lomas P.E. FL No.: 62514

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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

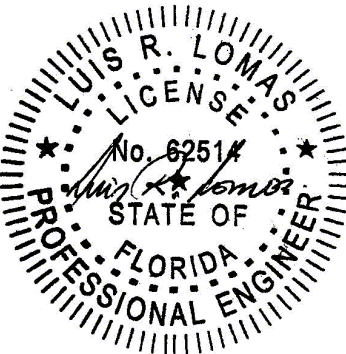


HORIZONTAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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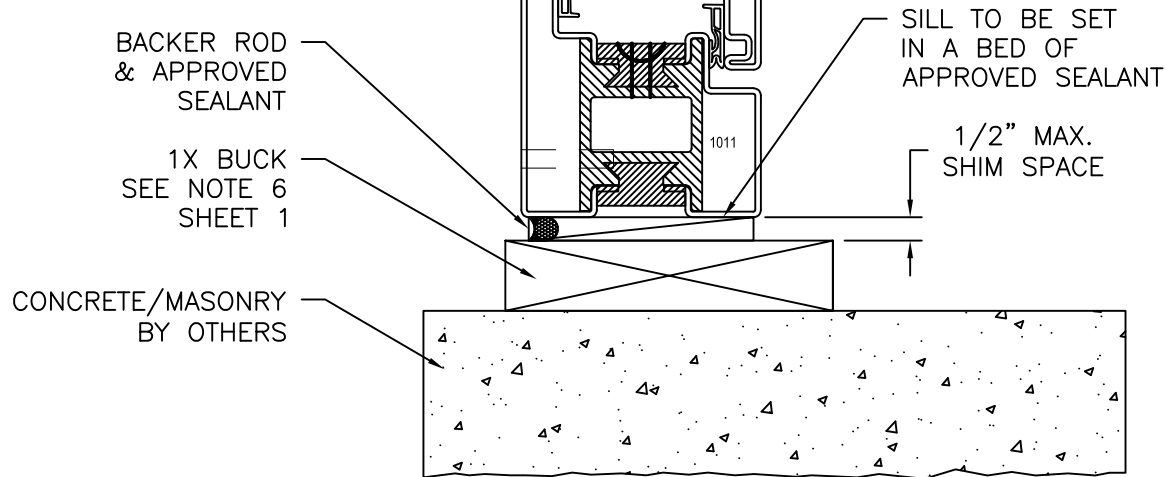
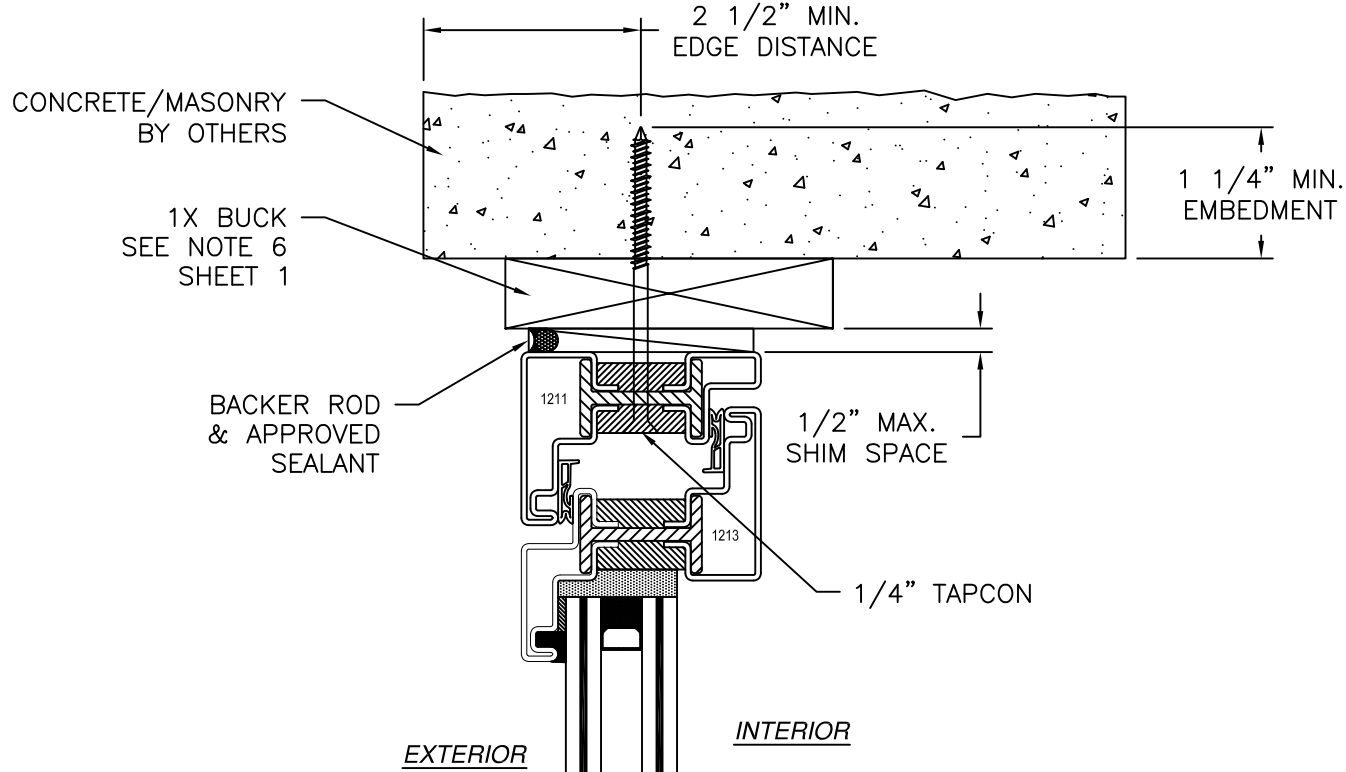
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RWD40 BRONZE INSWING DOOR IMPACT FRAME INSTALLATION DETAILS		
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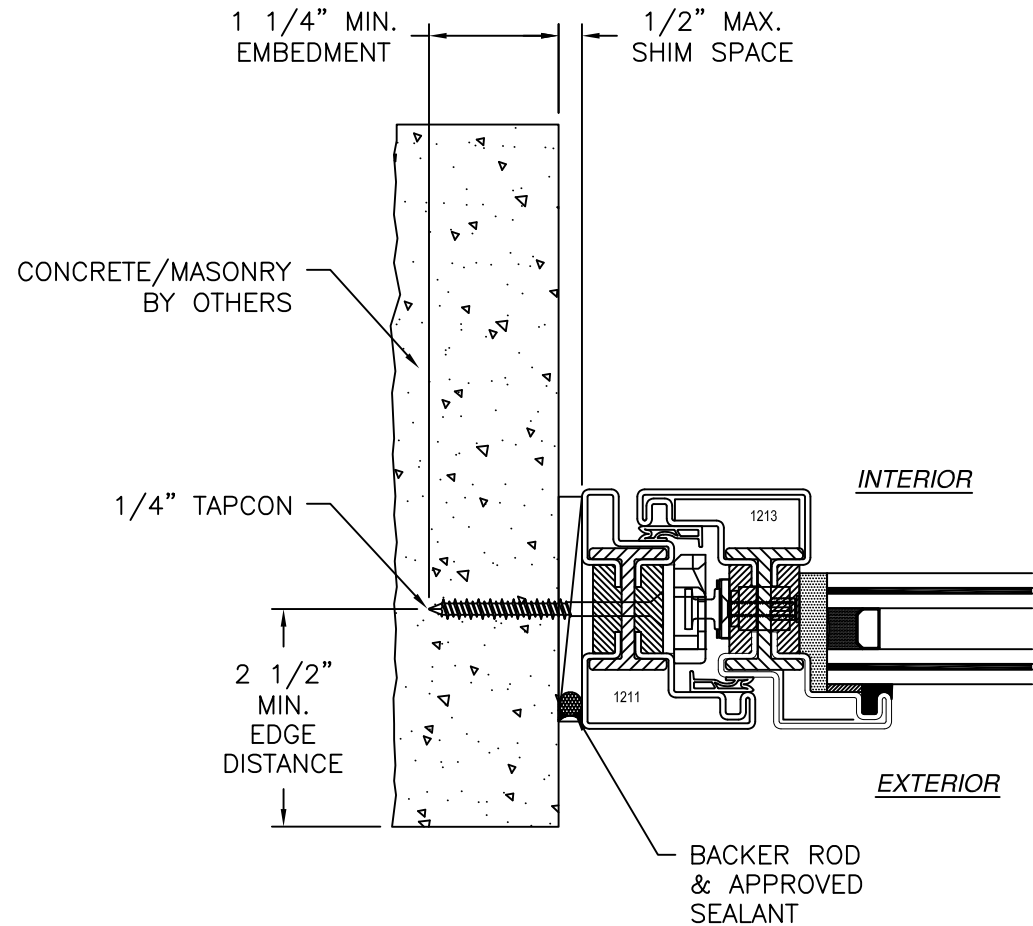


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VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



HORIZONTAL CROSS SECTION
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

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SIGNED: 07/20/2026

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

RWD40 BRONZE INSWING DOOR
IMPACT
FRAME INSTALLATION DETAILS

DRAWN:
R.L.

DWG NO.
08-03947

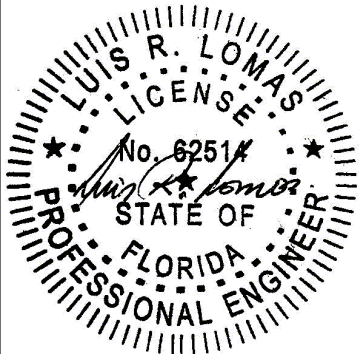
REV
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SCALE NTS

DATE 07/17/23

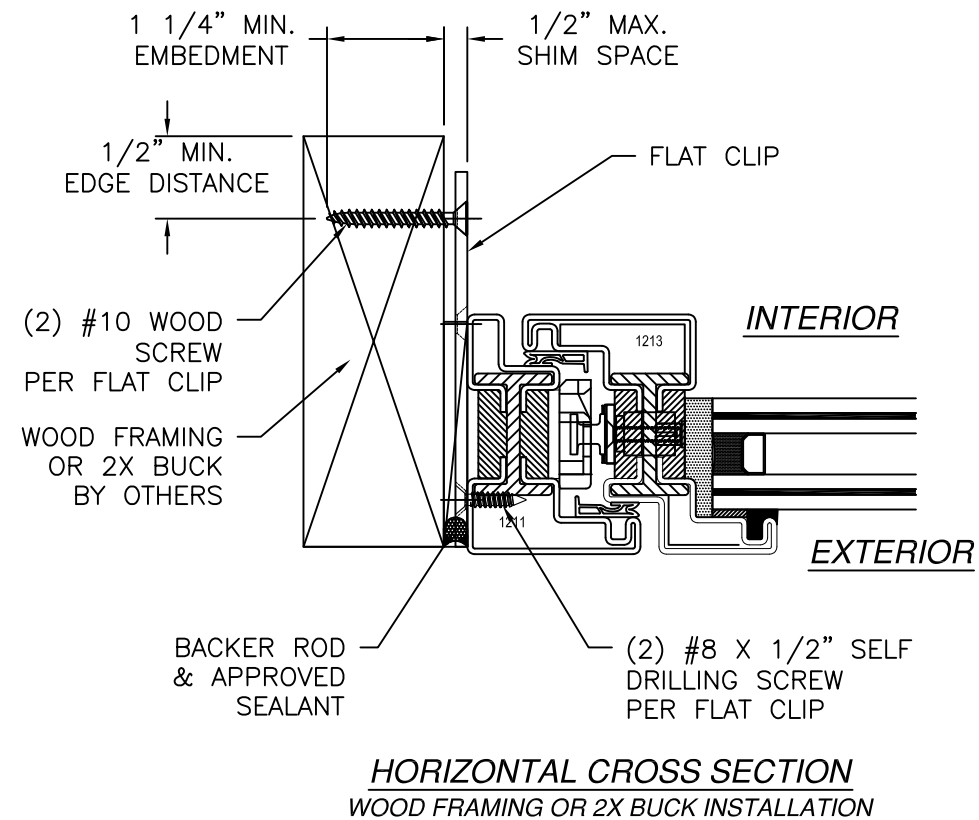
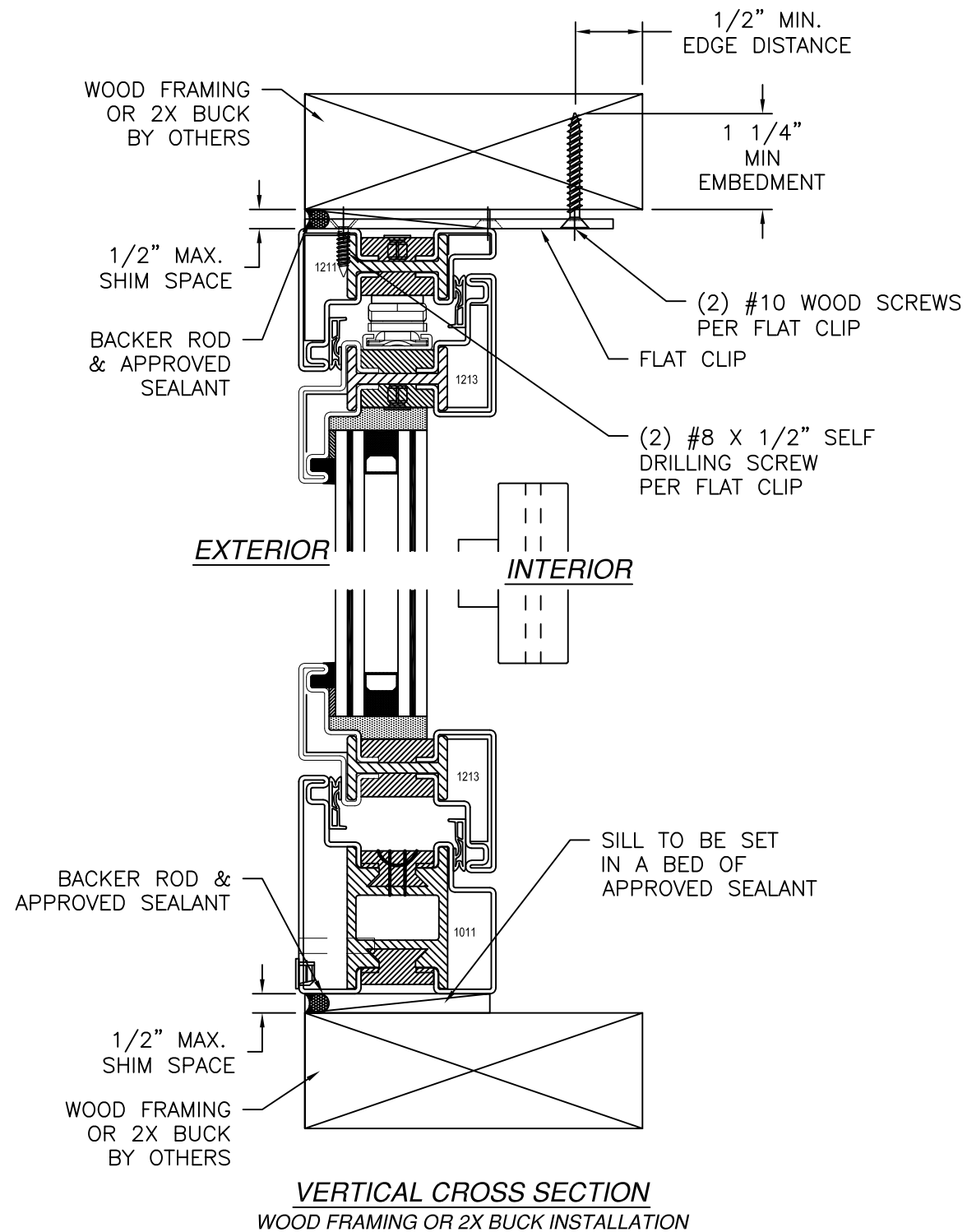
SHEET 6 OF 10

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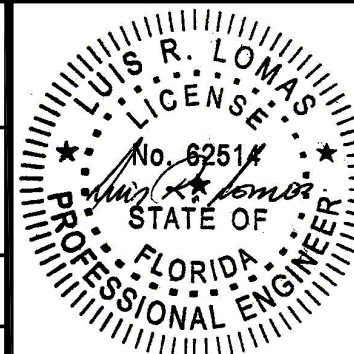
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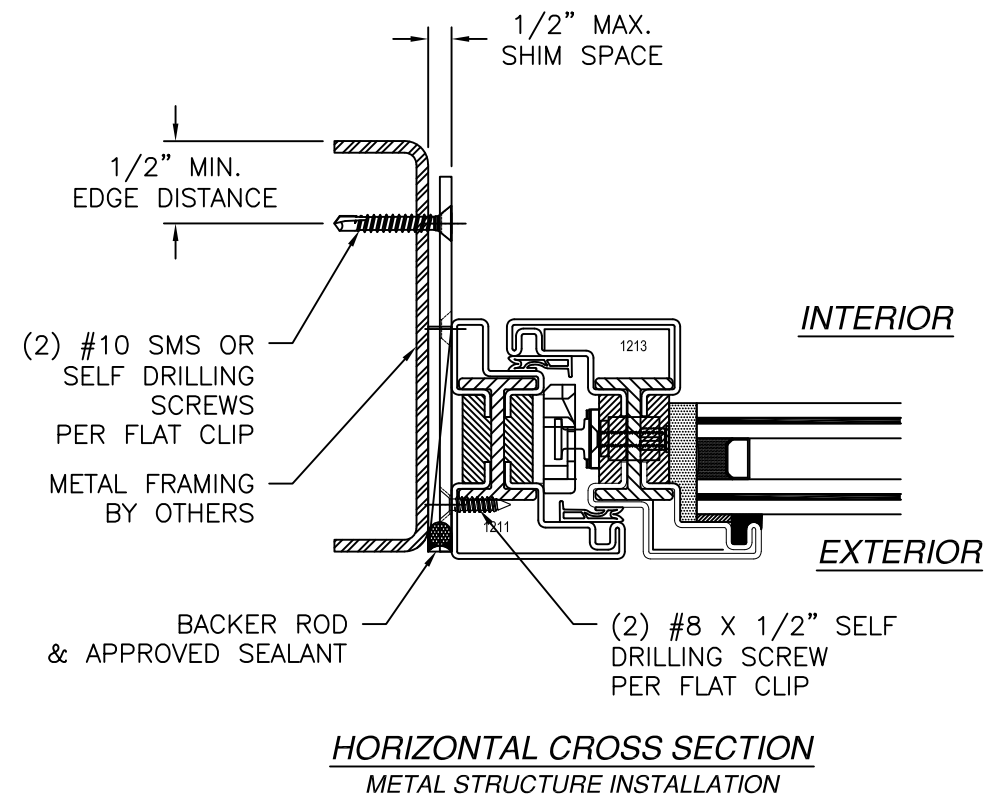
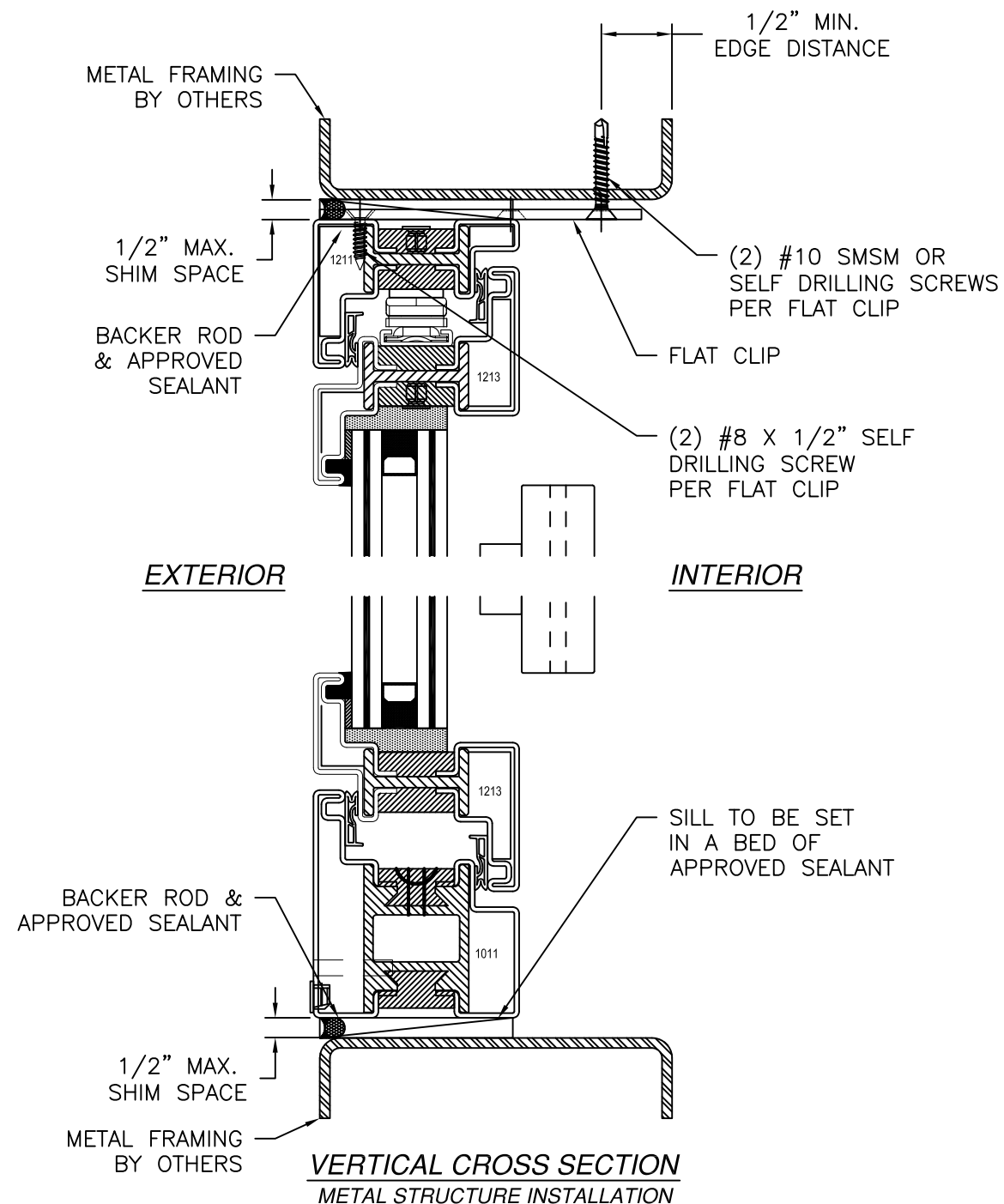
SIGNED: 07/20/2026

REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD40 BRONZE INSWING DOOR IMPACT FLAT CLIP INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03947	REV -
SCALE NTS	DATE 07/17/23	SHEET 7 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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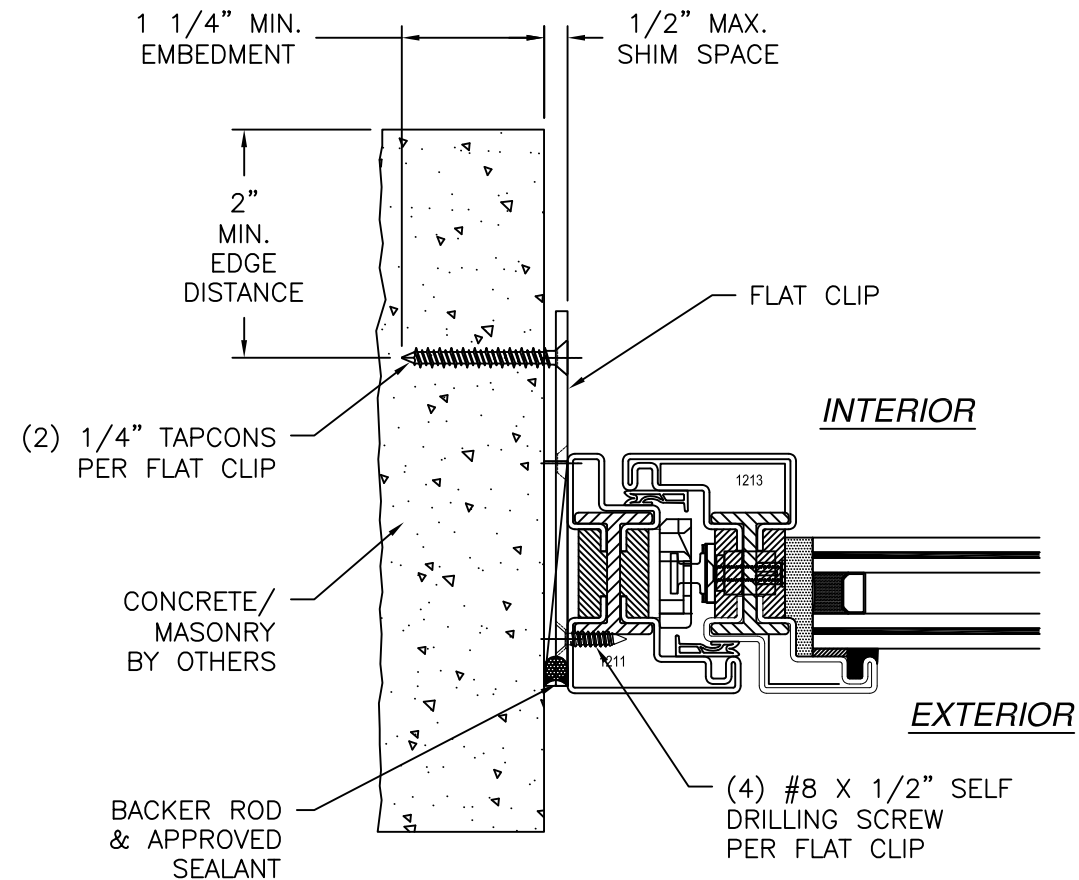
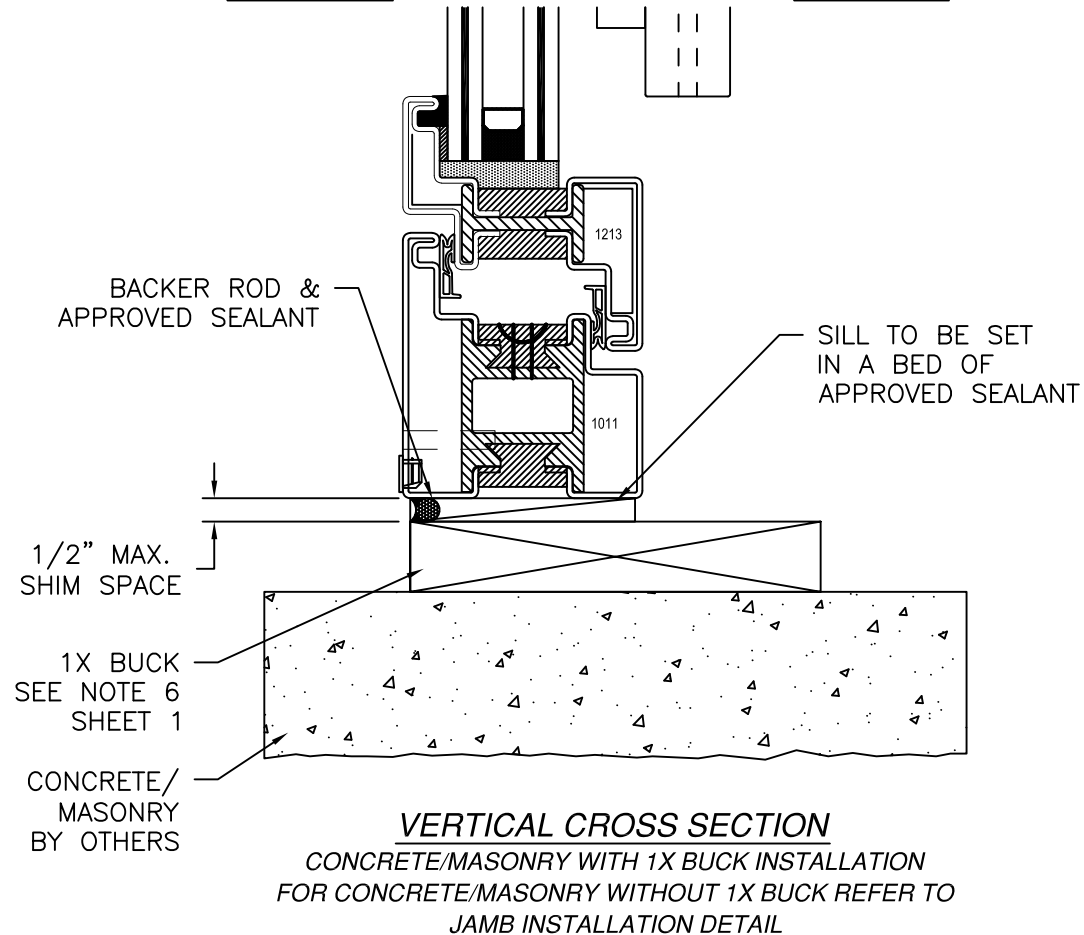
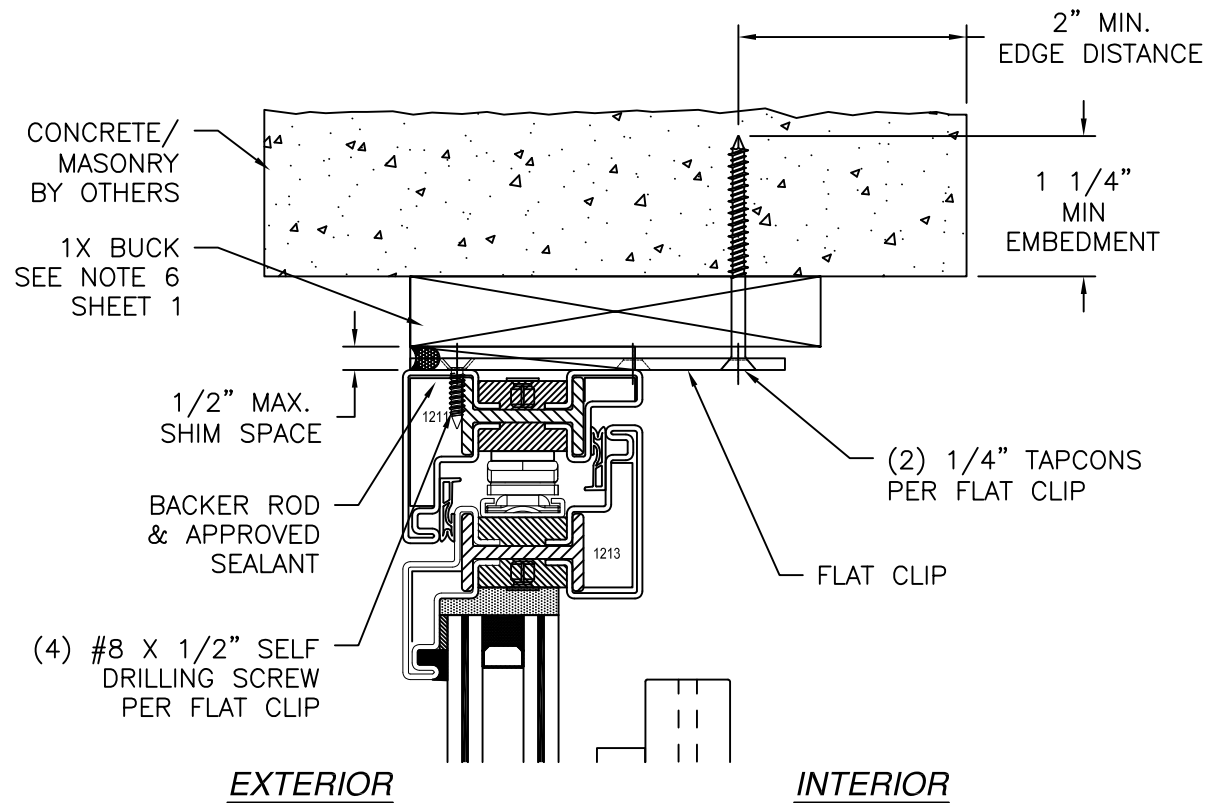
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RWD40 BRONZE INSWING DOOR IMPACT FLAT CLIP INSTALLATION DETAILS			
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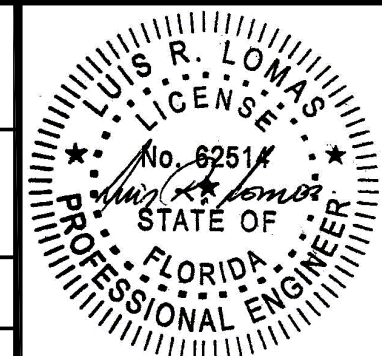


HORIZONTAL CROSS SECTION
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO HEAD AND SILL INSTALLATION DETAILS

- NOTES:
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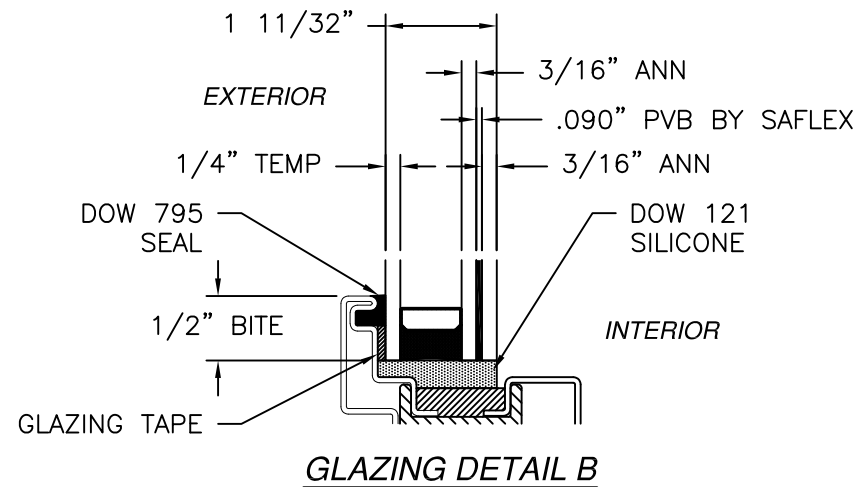
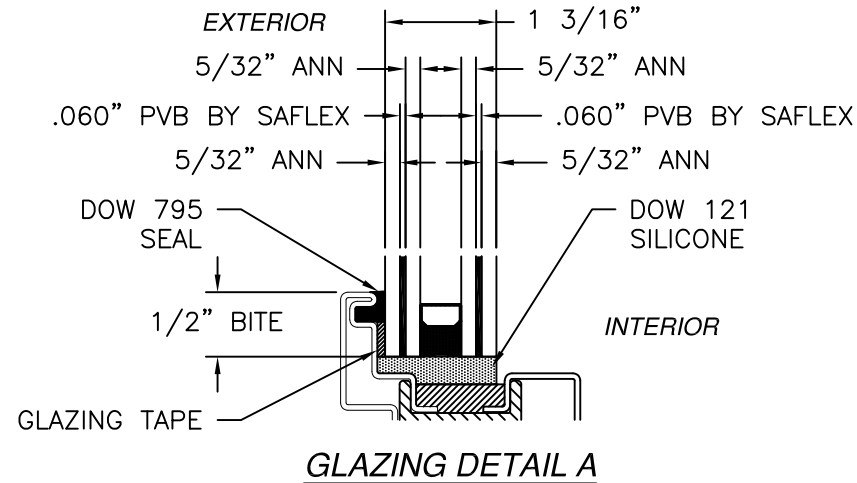
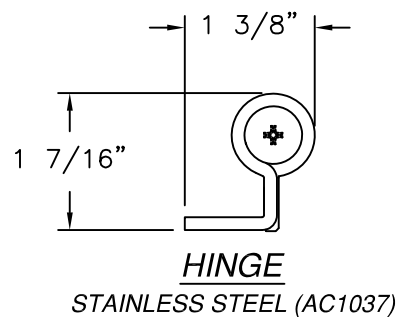
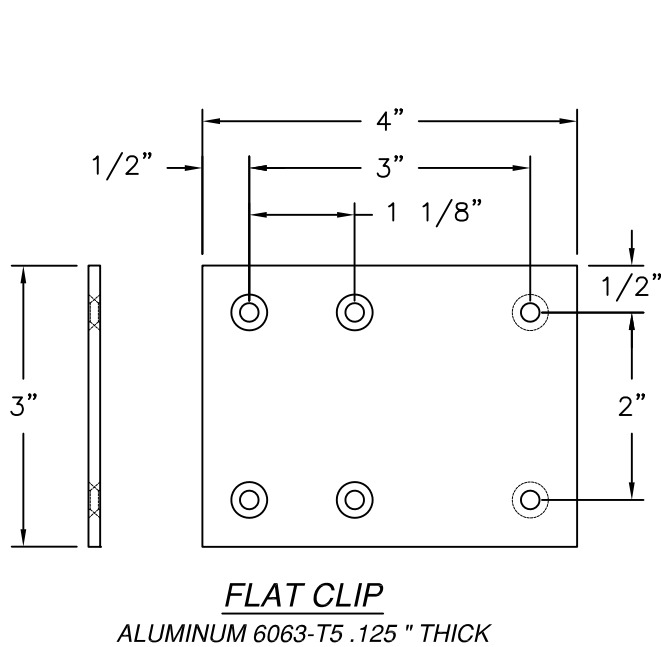
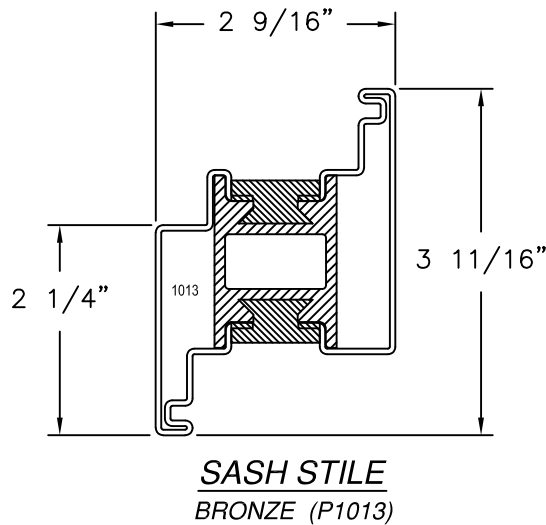
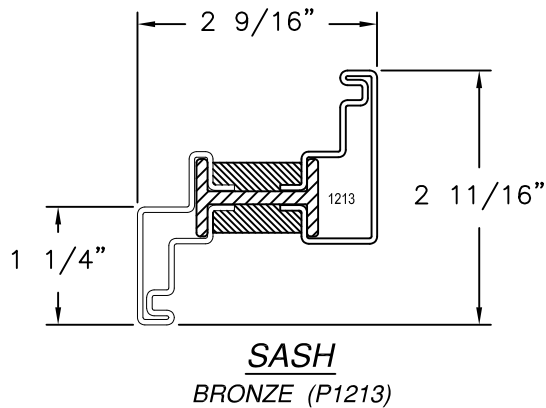
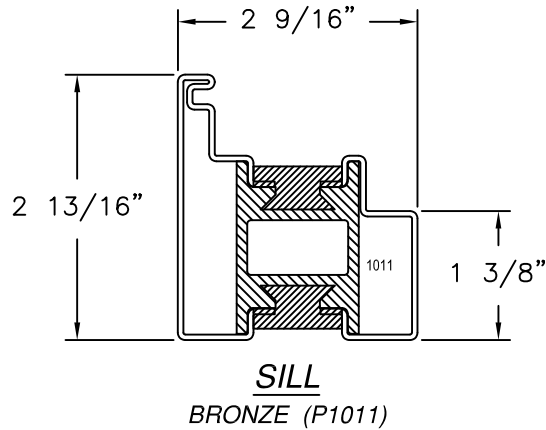
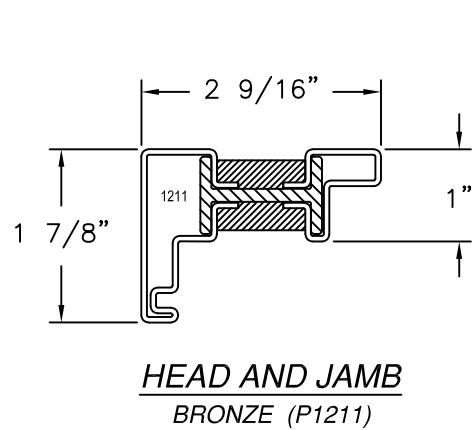
SIGNED: 07/20/2026

REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD40 BRONZE INSWING DOOR IMPACT FLAT CLIP INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03947	REV -
SCALE NTS	DATE 07/17/23	SHEET 9 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		



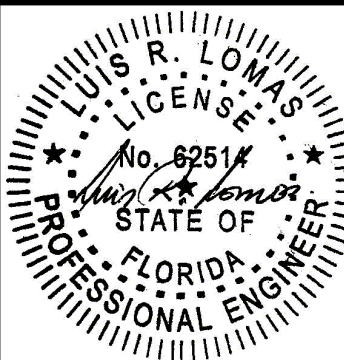
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REILLY WINDOWS & DOORS 901 BURMAN BLVD. CALVERTON, NY 11933		
RWD40 BRONZE INSWING DOOR IMPACT GLAZING DETAILS AND COMPONENTS		
DRAWN: R.L.	DWG NO. 08-03947	REV -
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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