

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	01/29/2024	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, METAL STRUCTURE 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. SHIM AS NEEDED 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: WOOD SPECIFIC GRAVITY G=0.59 MINIMUM (INCLUDES BUT IS NOT LIMITED TO: LARCH, SIPO, MERANTI, MAHOGANY, WHITE OAK, WALNUT)
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 4 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 #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING INTO METAL STRUCTURE USE #12 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. ALL FASTENERS TO BE CORROSION RESISTANT.
16. 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:

16.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

16.2. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM
17. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED WIDTH OR HIEGHT OF APPROVED RECTANGULAR SHAPES SHOWN IN SHEET 2. GEOMETRIC SHAPES ARE NOT LIMITED TO SHAPES SHOWN HEREIN.
18. SIMULATED DIVIDED LITES MUNTINS ARE OPTIONAL.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3	APPROVED CONFIGURATION
4	CROSS SECTIONS, B.O.M. AND GLAZING DETAILS
5 – 6	INSTALLATION DETAILS
7	COMPONENTS

BILDAU & BUSSMANN GMBH
GERICHTSTRASSE 23
DE 13347 BERLIN, GERMANY

PICTURE WINDOW – FIXED SASH
90” X 120”
NOTES

DRAWN:
R.L.

DWG NO.
08–01350

REV
B

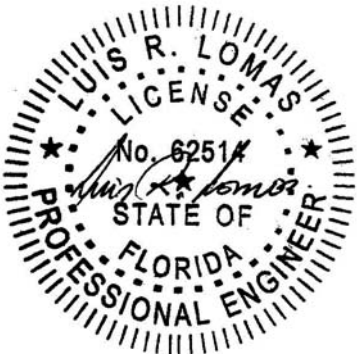
SCALE NTS

DATE 07/24/12

SHEET 1 OF 7

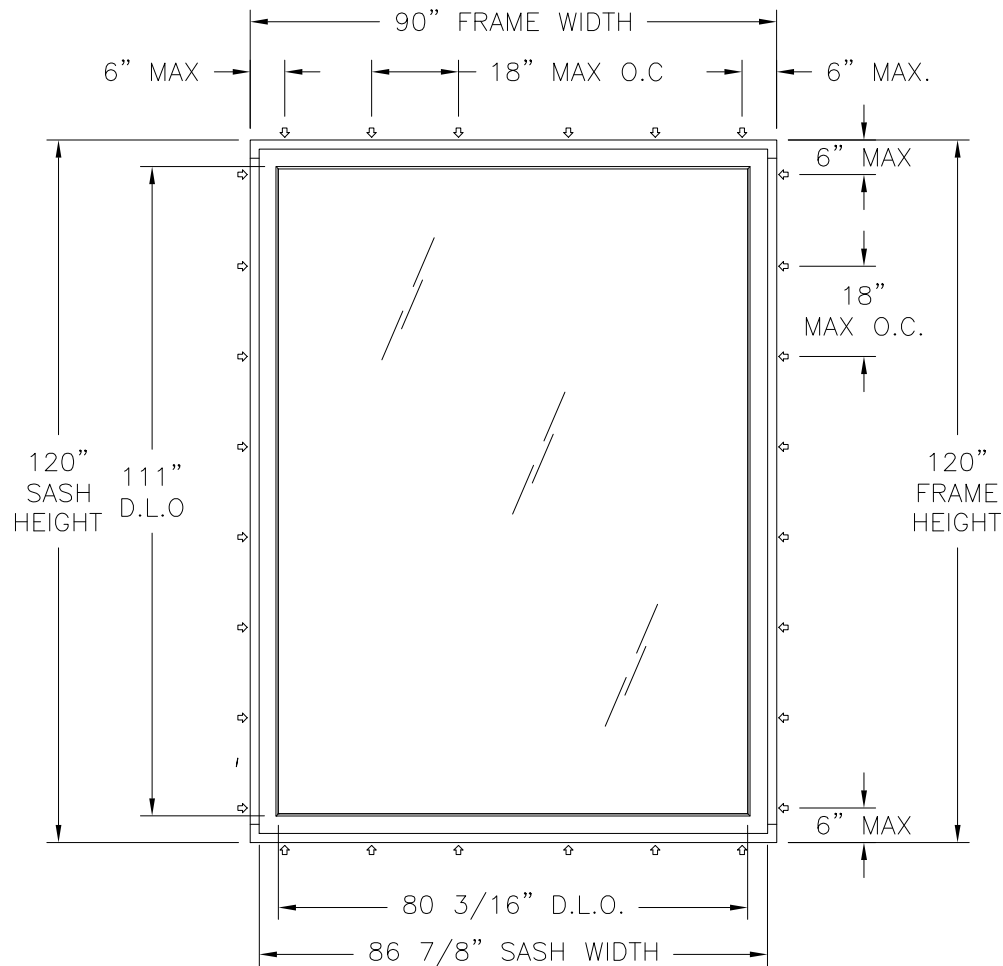
L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 02/06/2024



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

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PICTURE WINDOW - FIXED SASH
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 70\text{PSF}$	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ

90" X 120" UNIT SHOWN. OTHER SIZES ARE APPROVED AS LONG AS
UNIT FRAME AREA DOES NOT EXCEED 75.0 FT²

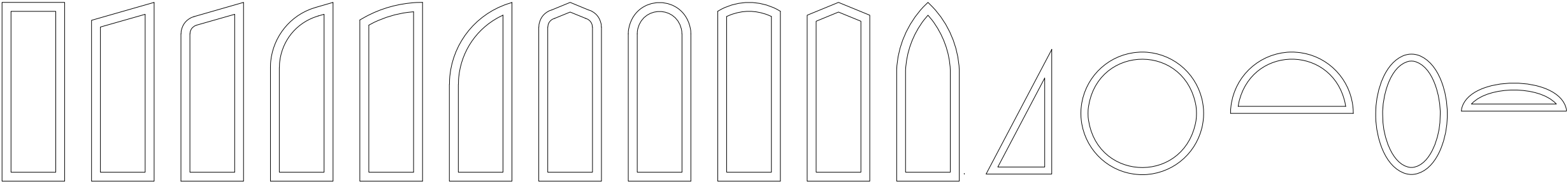
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BILDAU & BUSSMANN GMBH GERICHTSTRASSE 23 DE 13347 BERLIN, GERMANY		
PICTURE WINDOW – FIXED SASH 90" X 120" ELEVATION		
DRAWN: R.L.	DWG NO. 08-01350	REV B
SCALE NTS	DATE 07/24/12	SHEET 2 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

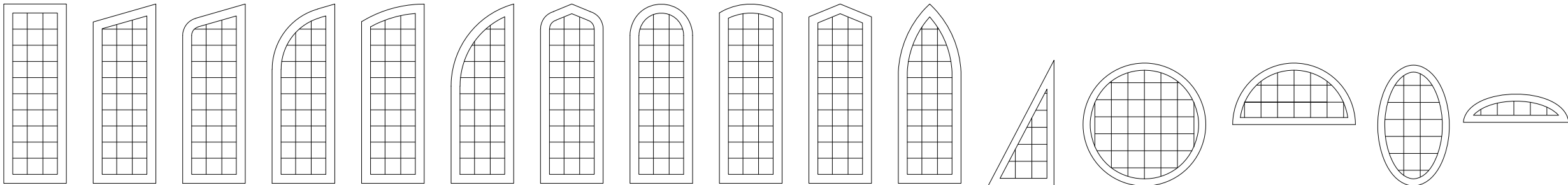
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APPROVED CONFIGURATIONS



FULL LITE WINDOW UNITS



WINDOW UNITS WITH SDL

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BILDAU & BUSSMANN GMBH
GERICHTSTRASSE 23
DE 13347 BERLIN, GERMANY

PICTURE WINDOW – FIXED SASH
90” X 120”
APPROVED CONFIGURATIONS

DRAWN:
R.L.

DWG NO.
08-01350

REV
B

SCALE NTS

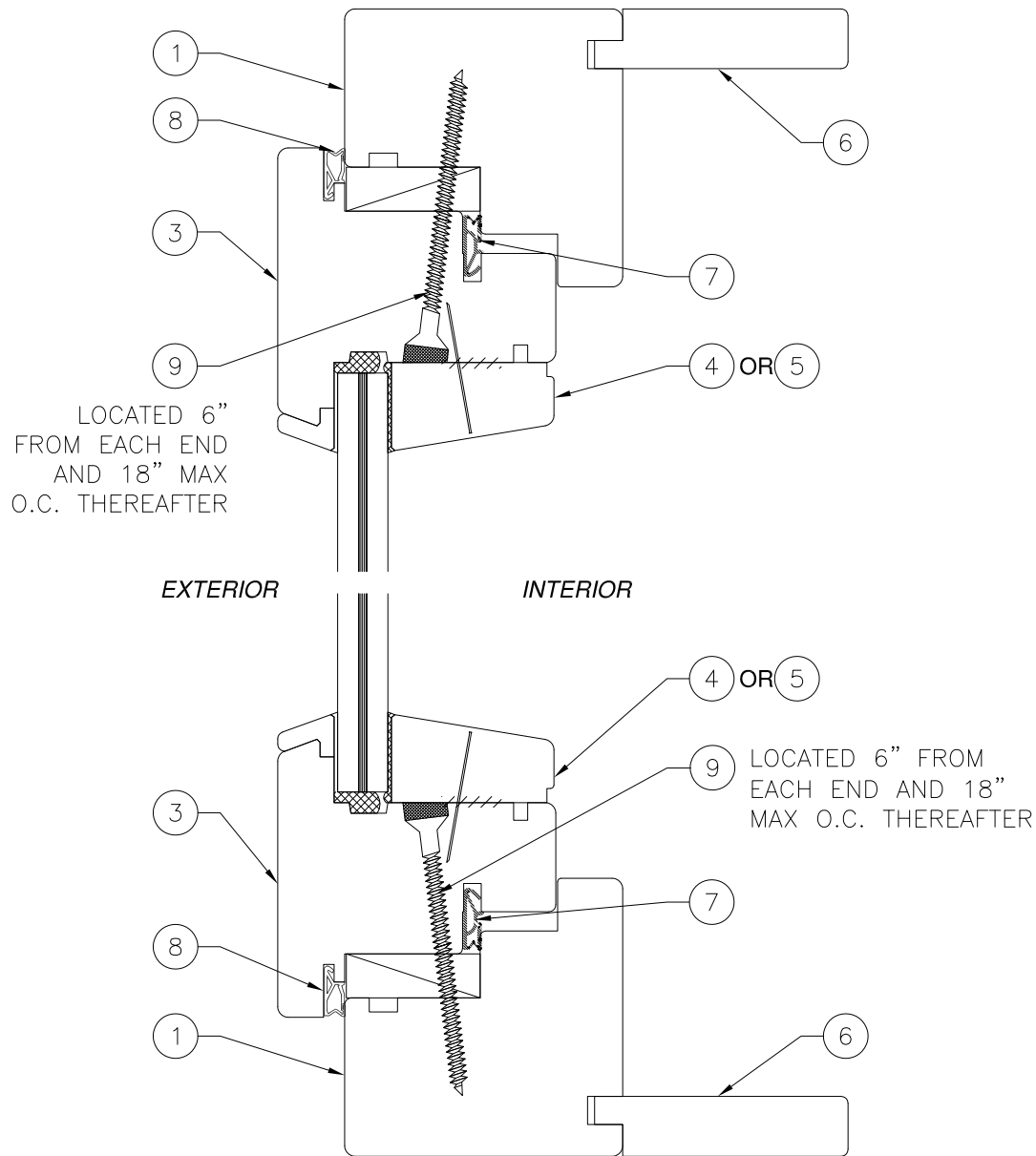
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SHEET 3 OF 7

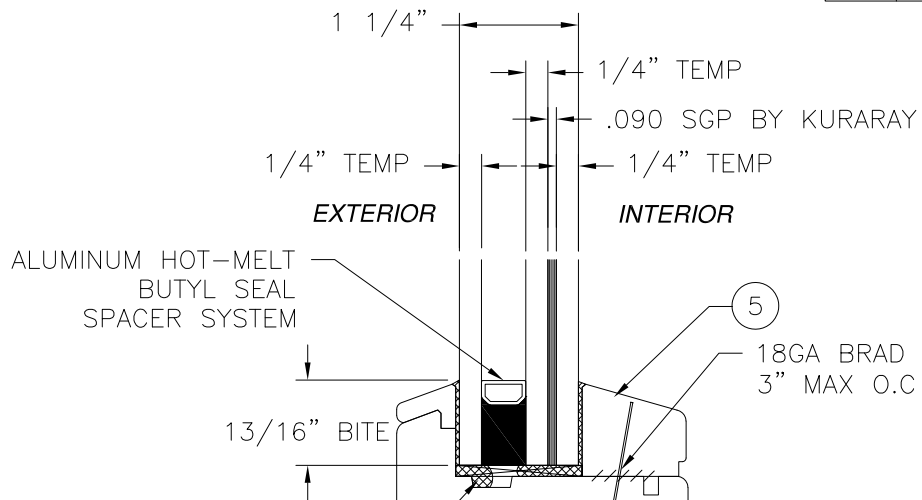
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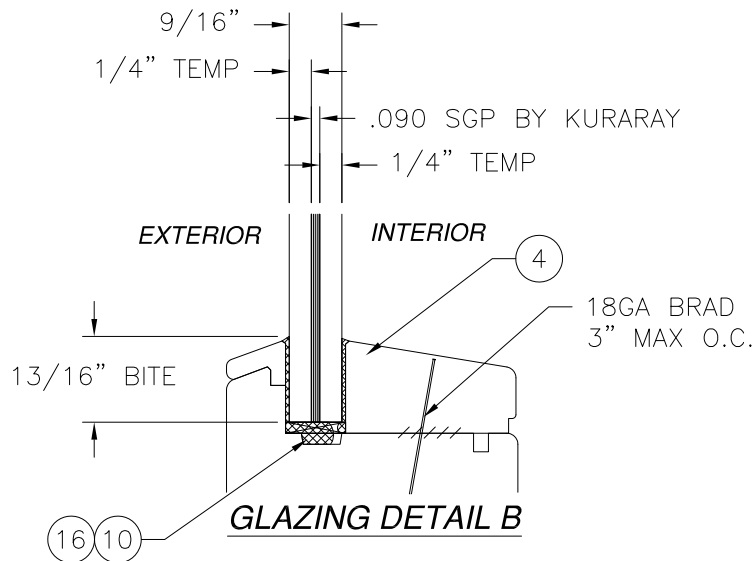
PARTS LIST				
ITEM NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1		FRAME	B&B	WOOD (SEE NOTE 5)
2	A33	CLIP (ALTERNATE)	STRONG TIE	GALVANIZED STEEL
3		SASH	B&B	WOOD (SEE NOTE 5)
4		GLAZING STOP (SINGLE GLASS)	B&B	WOOD (SEE NOTE 5)
5		GLAZING STOP (IG GLASS)	B&B	WOOD (SEE NOTE 5)
6		JAMB EXTENSION	B&B	WOOD (SEE NOTE 5)
7	SV12	WEATHERSTRIP	DEVENTE	EPDM 75 SHORE A
8	SV103	WEATHERSTRIP	DEVENTE	EPDM 75 SHORE A
9		#12 X 3" STEEL SCREW	B&B	WOOD (SEE NOTE 5)
10	552	SIKA FLEX	SIKA	
11		CLIP		GALVANIZED STEEL
12		GLASS STOP	B&B	WOOD (SEE NOTE 5)
13		GLASS STOP	B&B	WOOD (SEE NOTE 5)
14	M24	CLIP (ALTERNATE)	STRONG TIE	GALVANIZED STEEL
15	HL33	CLIP (ALTERNATE)	STRONG TIE	GALVANIZED STEEL
16	1032300	SETTING BLOCK	AWAX	POLYPROPYLENE 70 DUROMETER



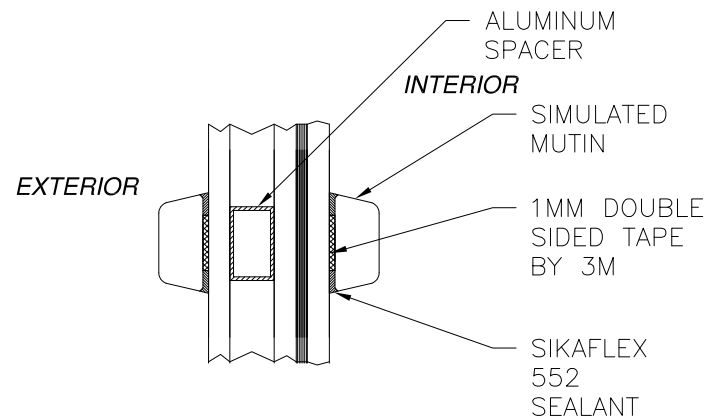
VERTICAL SECTION
HEAD & SILL SHOWN, JAMBS SIMILAR



GLAZING DETAIL A



GLAZING DETAIL B

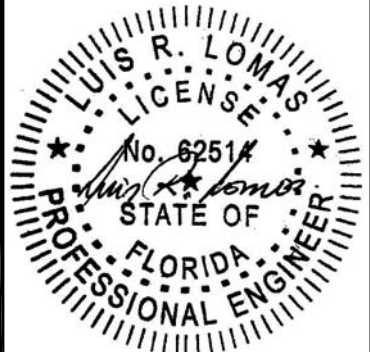


**SIMULATED DIVIDED LITE (SDL)
CROSS SECTION**

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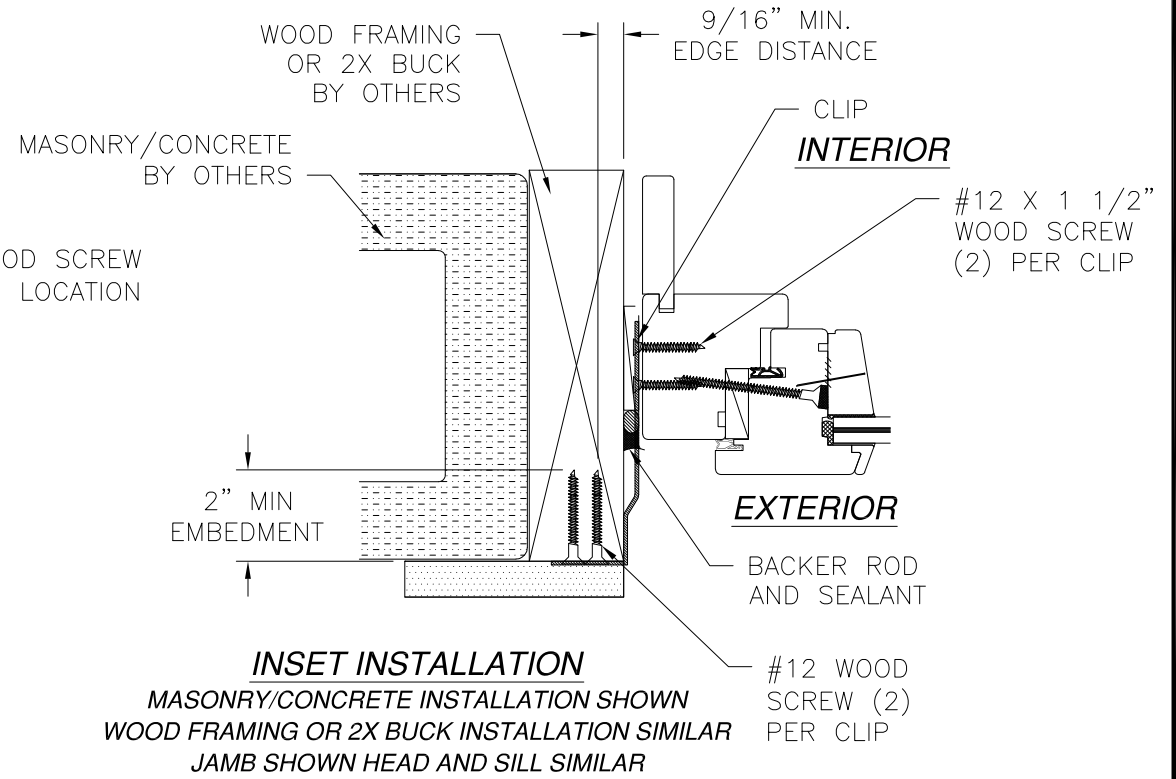
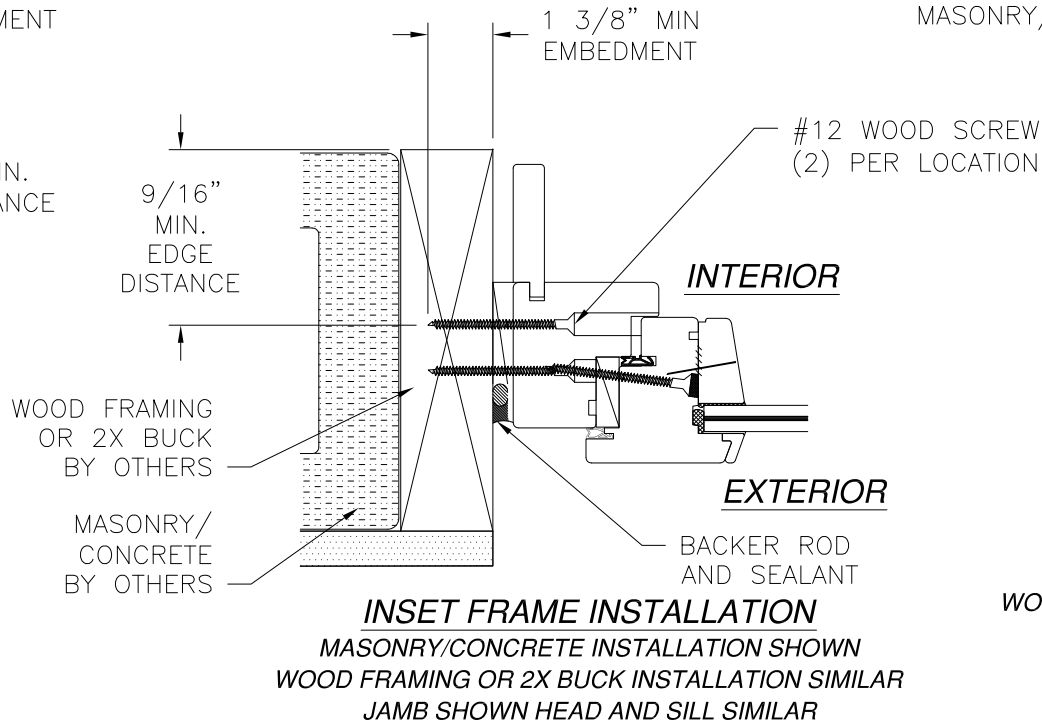
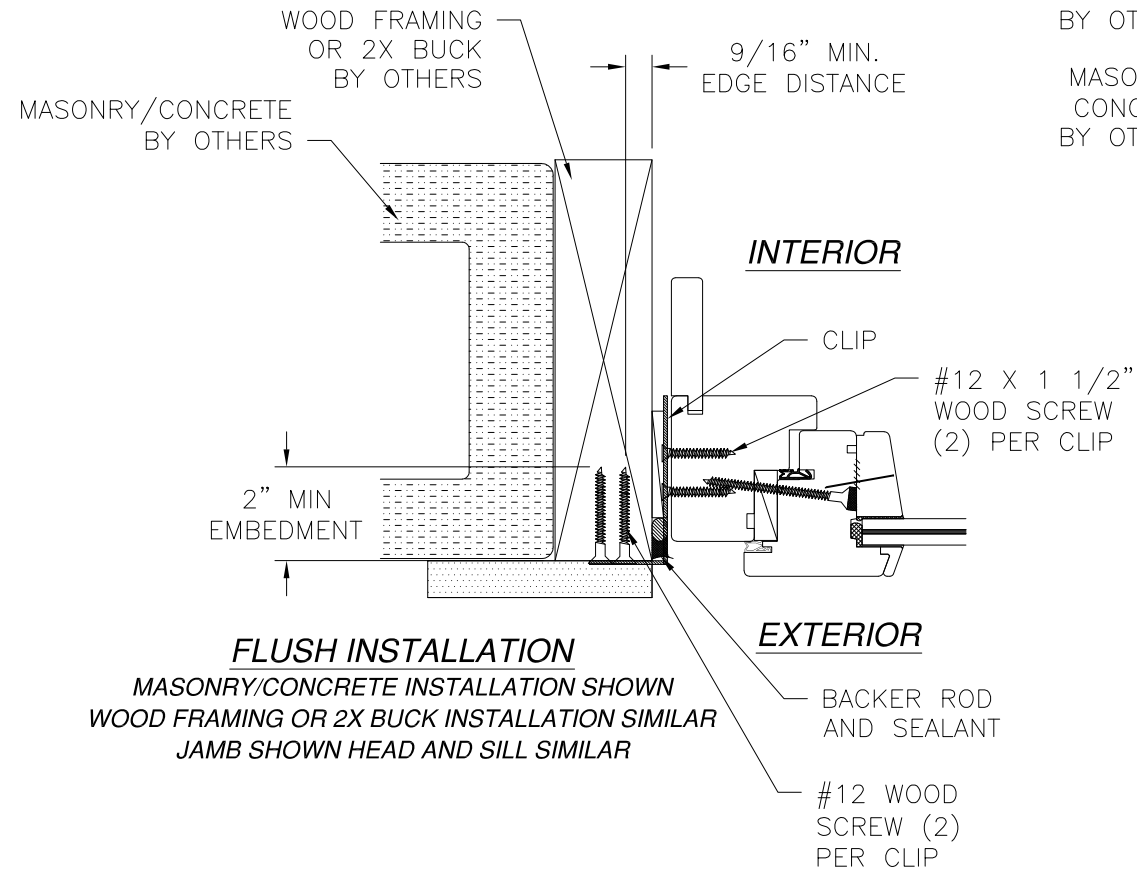
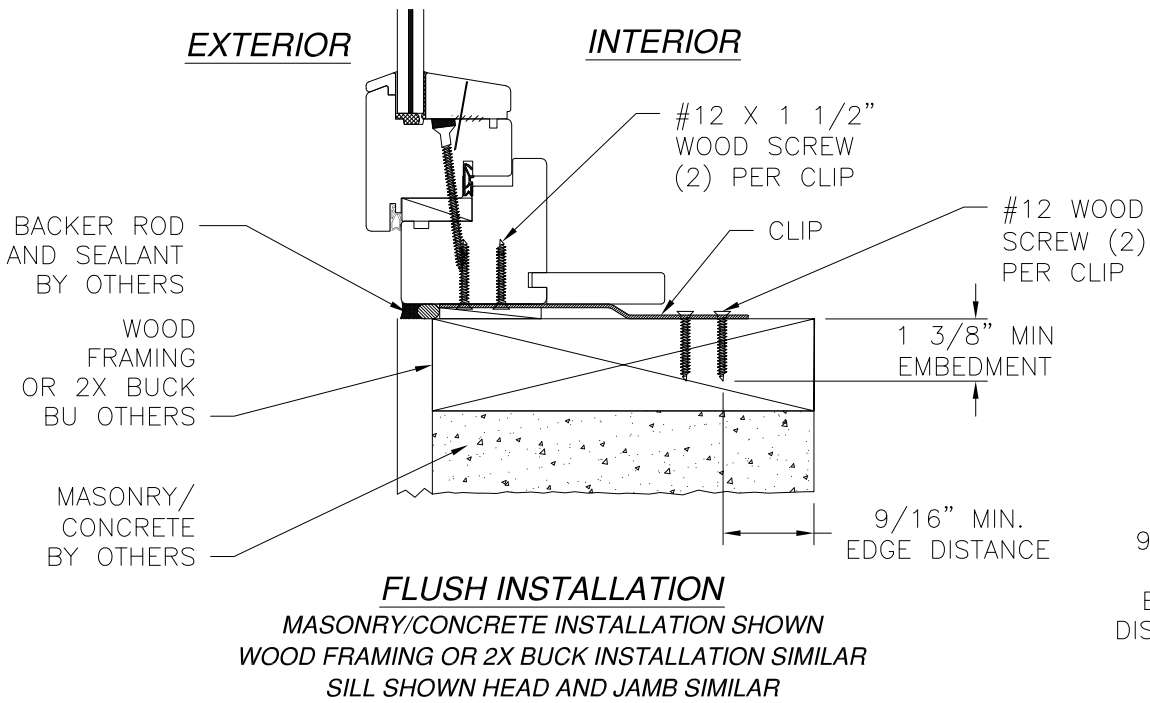
BILDAU & BUSSMANN GMBH GERICHTSTRASSE 23 DE 13347 BERLIN, GERMANY		
PICTURE WINDOW – FIXED SASH 90" X 120" CROSS SECTIONS, B.O.M. & GLAZING DETAILS		
DRAWN: R.L.	DWG NO. 08-01350	REV B
SCALE NTS	DATE 07/24/12	SHEET 4 OF 7
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NOTE:
INTERIOR AND EXTERIOR TRIM, BY OTHERS, NOT SHOWN FOR CLARITY.
WHEN INSTALLING INTO MASONRY OR CONCRETE 2X BUCK TO BE USED. 2X BUCK TO BE PROPERLY SECURED TO STRUCTURE

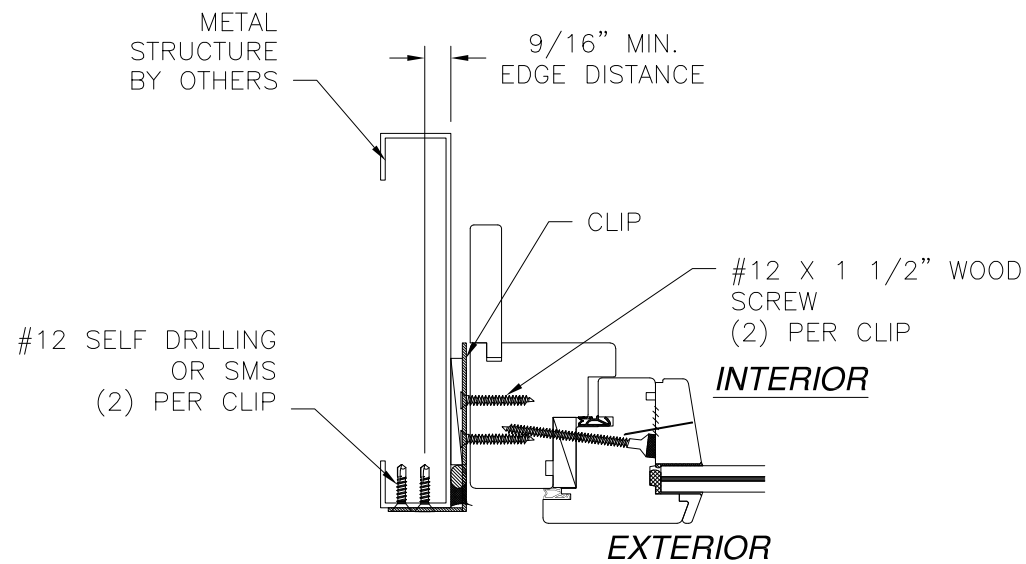
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PICTURE WINDOW – FIXED SASH 90" X 120" INSTALLATION DETAILS		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

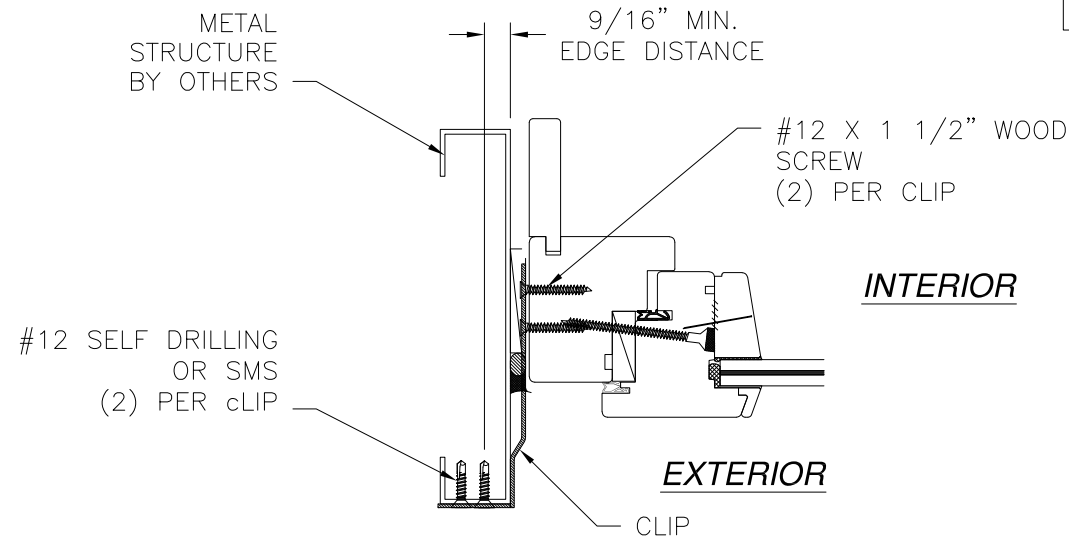


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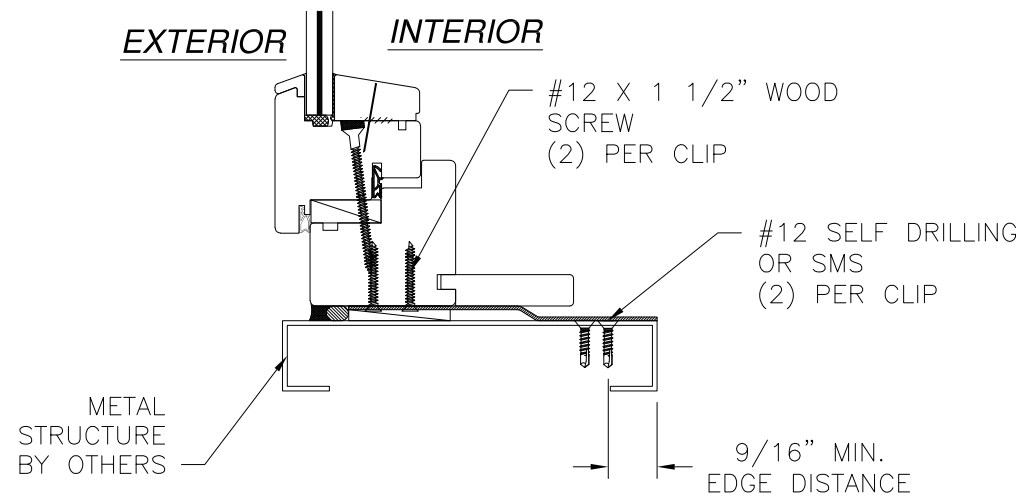
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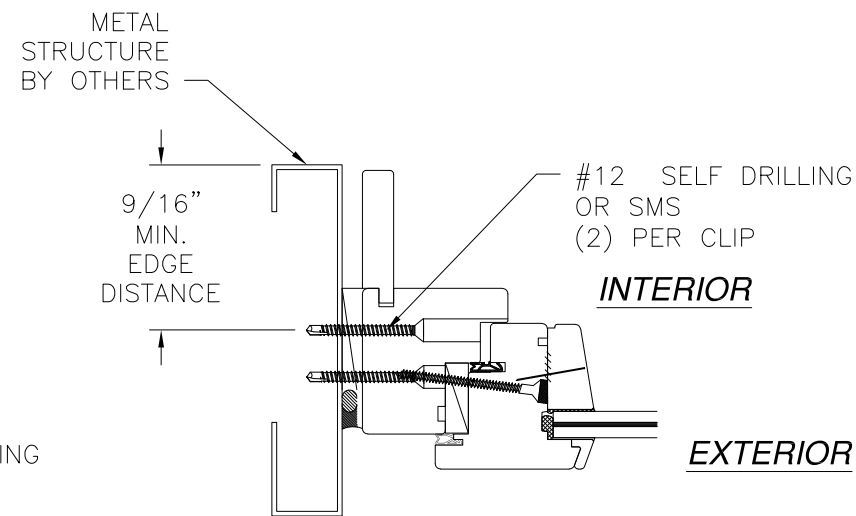
FLUSH INSTALLATION
METAL STRUCTURE INSTALLATION
JAMB SHOWN HEAD AND SILL SIMILAR



INSET INSTALLATION
METAL STRUCTURE INSTALLATION
JAMB SHOWN HEAD AND SILL SIMILAR



FLUSH INSTALLATION
METAL STRUCTURE INSTALLATION
SILL SHOWN HEAD AND JAMB SIMILAR

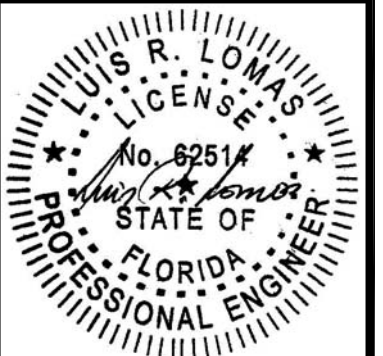


INSET FRAME INSTALLATION
METAL STRUCTURE INSTALLATION
JAMB SHOWN HEAD AND SILL SIMILAR

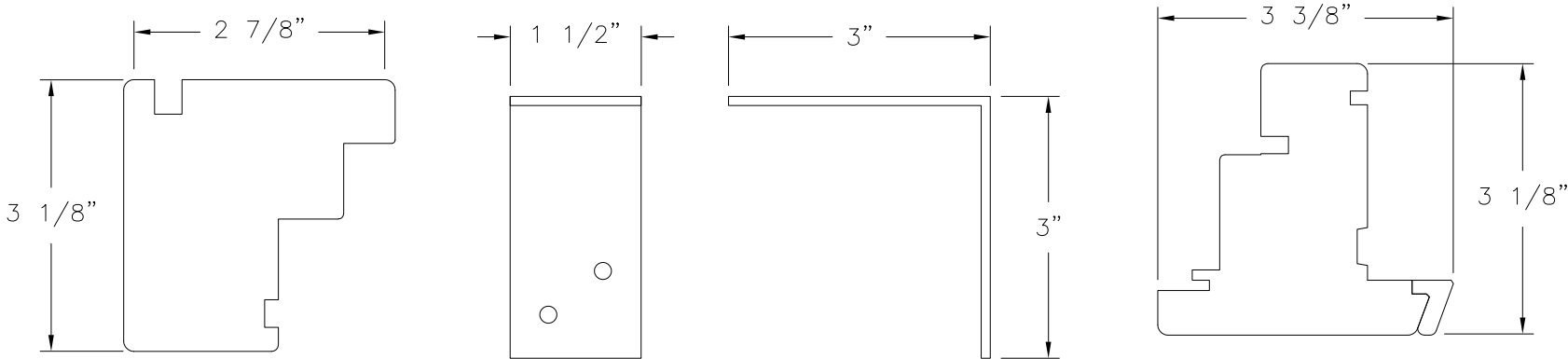
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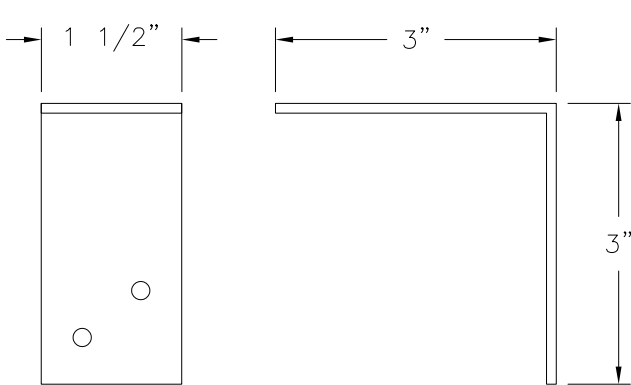
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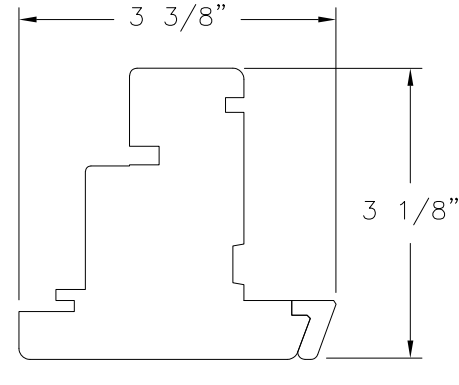
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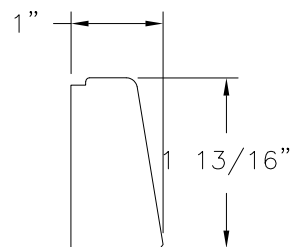
① **FRAME**
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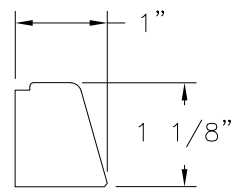
② **CLIP (A33)**
12 GA GALVANIZED STEEL



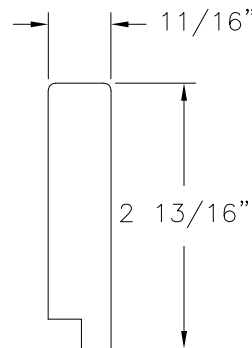
③ **SASH**
WOOD SPECIFIC GRAVITY G.59 MIN



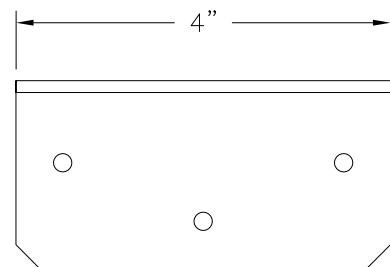
④ **GLASS STOP**
WOOD SPECIFIC GRAVITY G.59 MIN



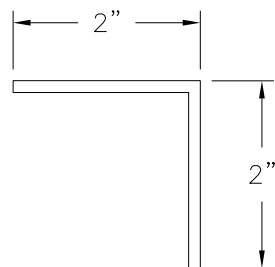
⑤ **GLASS STOP**
WOOD SPECIFIC GRAVITY G.59 MIN



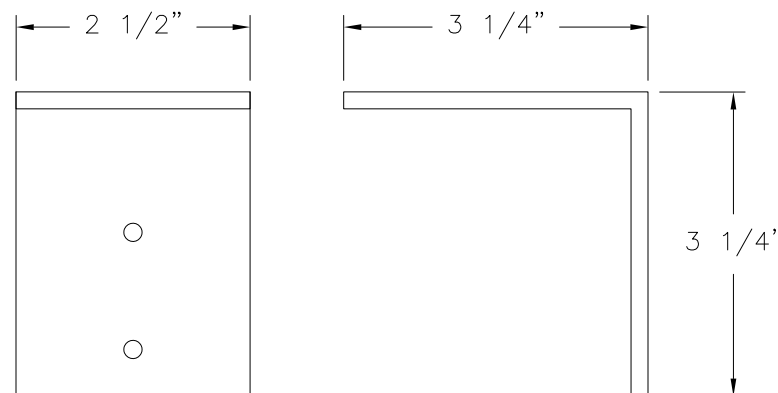
⑥ **JAMB EXTENSION**
WOOD SPECIFIC GRAVITY G.59 MIN



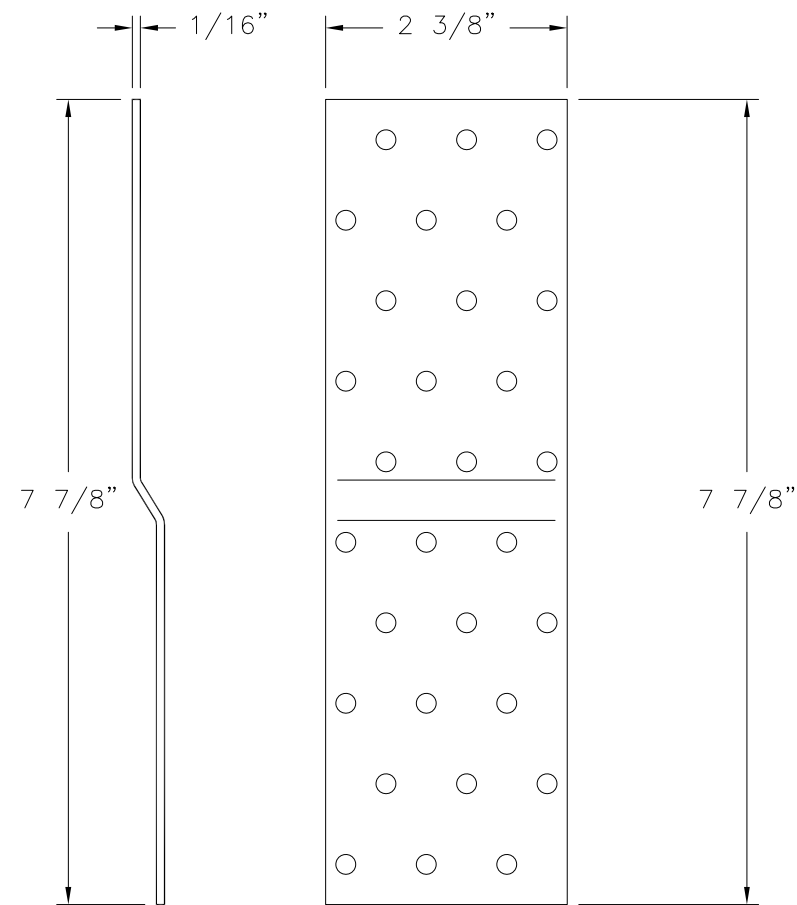
⑭ **CLIP (M24)**
12GA GALVANIZED STEEL



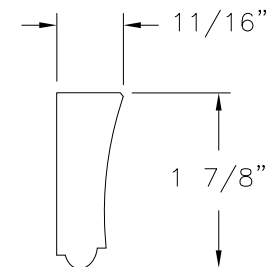
⑮ **CLIP (HL33)**
7 GA GALVANIZED STEEL



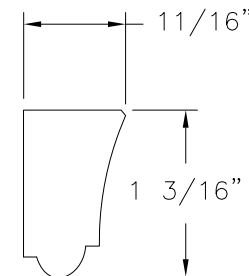
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⑪ **CLIP**
14 GA GALVANIZED STEEL



⑫ **GLASS STOP**
WOOD SPECIFIC GRAVITY G.59 MIN



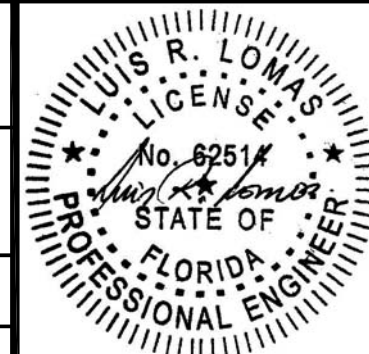
⑬ **GLASS STOP**
WOOD SPECIFIC GRAVITY G.59 MIN

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PICTURE WINDOW – FIXED SASH
90" X 120"
COMPONENTS

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