

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.

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4	CROSS SECTIONS, B.O.M. AND GLAZING DETAILS
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7	COMPONENTS

BILDAU & BUSSMANN GMBH
GERICHTSTRASSE 23
DE 13347 BERLIN, GERMANY

DIRECT SET/MULLED FENESTRATION
WOOD MULLED FIXED WINDOW
NOTES

DRAWN:
R.L.

DWG NO.
08–01351

REV
B

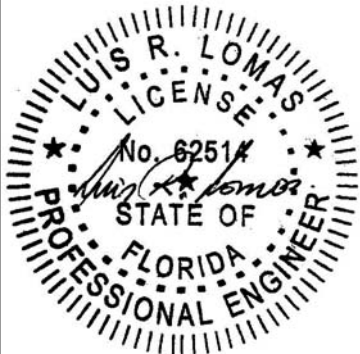
SCALE NTS

DATE 07/24/12

SHEET 1 OF 7

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

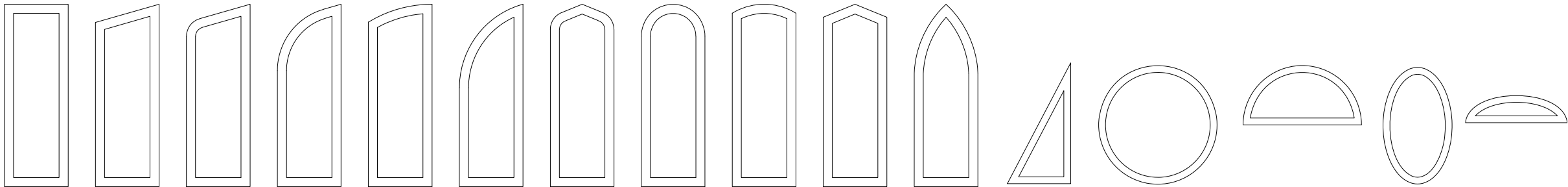
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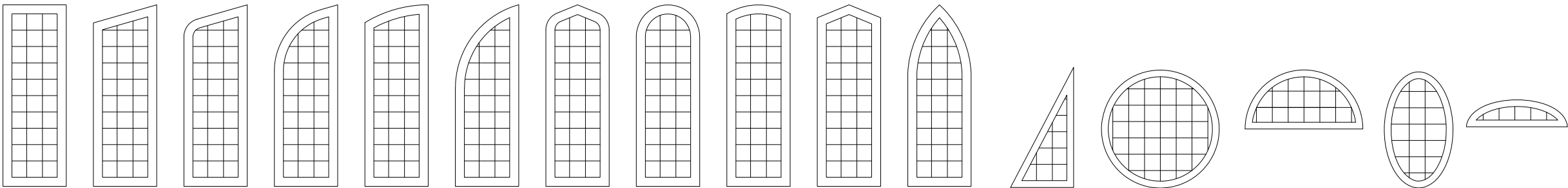
Luis R. Lomas P.E.
FL No.: 62514

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APPROVED CONFIGURATIONS



FULL LITE WINDOW UNITS



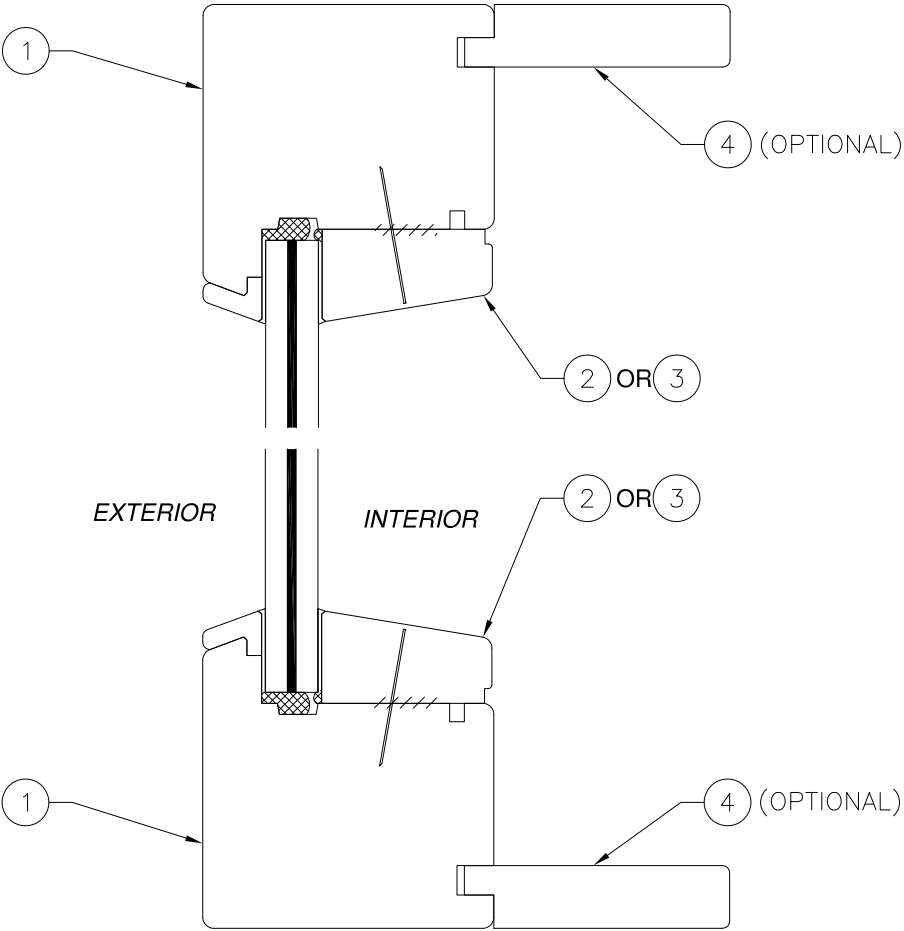
WINDOW UNITS WITH SDL

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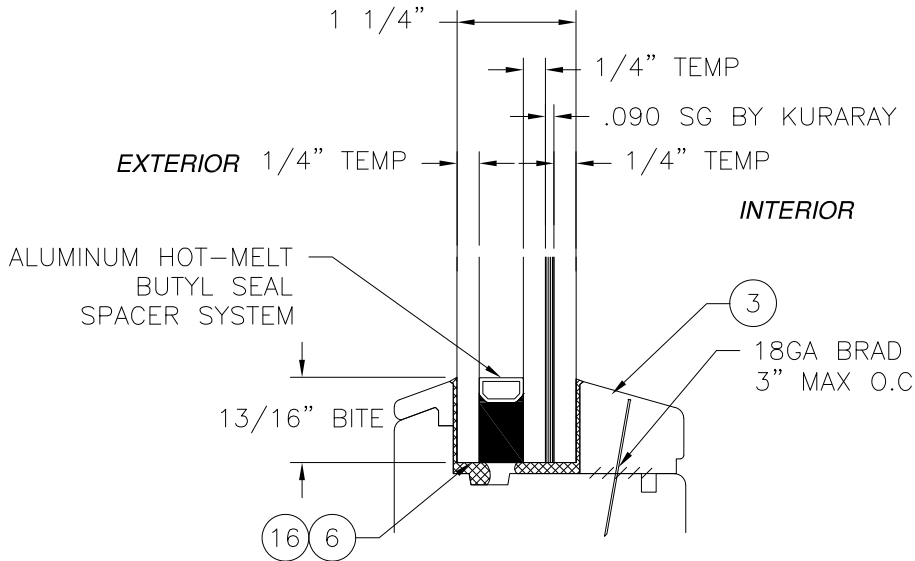
BILDAU & BUSSMANN GMBH GERICHTSTRASSE 23 DE 13347 BERLIN, GERMANY		
DIRECT SET/MULLED FENESTRATION WOOD MULLED FIXED WINDOW APPROVED CONFIGURATION		
DRAWN: R.L.	DWG NO. 08-01351	REV B
SCALE NTS	DATE 07/24/12	SHEET 3 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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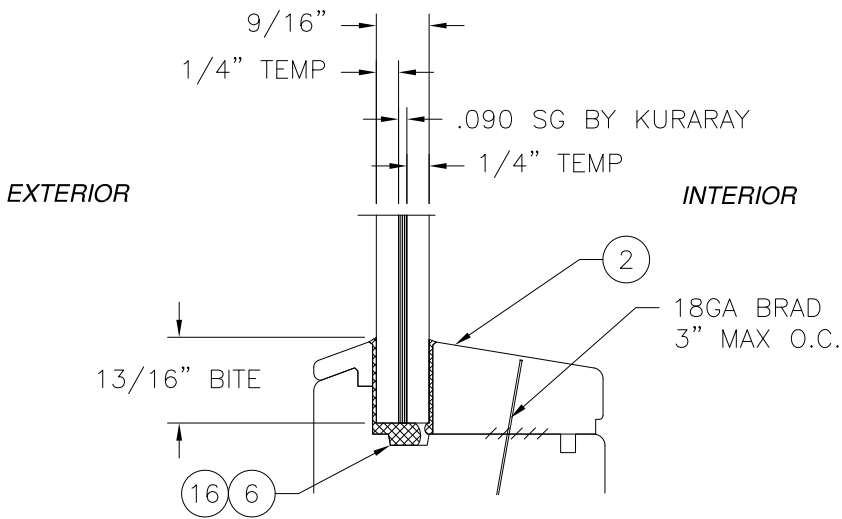
PARTS LIST				
ITEM NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1		FRAME	B&B	WOOD
2		GLAZING STOP (SINGLE GLASS)	B&B	WOOD
3		GLAZING STOP (IG GLASS)	B&B	WOOD
4		JAMB EXTENSION	B&B	WOOD
5		CLIP		GALVANIZED STEEL
6	552	SIKA FLEX	SIKA	
7		GLASS STOP	B&B	WOOD (SEE NOTE 5)
8		GLASS STOP	B&B	WOOD (SEE NOTE 5)
9	M24	CLIP (ALTERNATE)	STRONG TIE	GALVANIZED STEEL
10	HL33	CLIP (ALTERNATE)	STRONG TIE	GALVANIZED STEEL
11	A33	CLIP (ALTERNATE)	STRONG TIE	GALVANIZED STEEL
16	1032300	SETTING BLOCK	AWAX	POLYPROPYLENE 70 DUROMETER



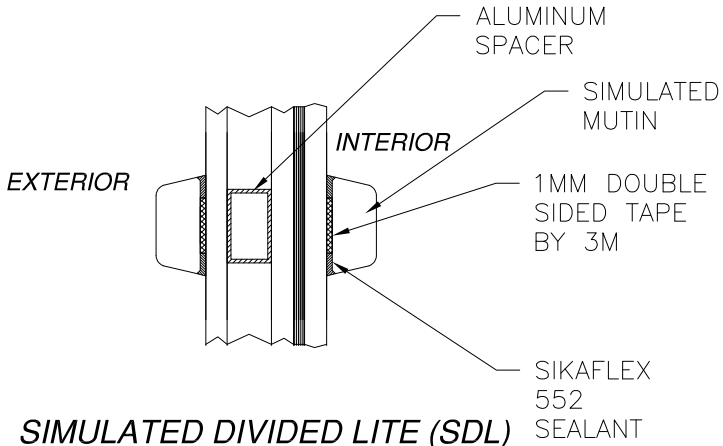
VERTICAL SECTION
HEAD & SILL SHOWN, JAMBS SIMILAR



GLAZING DETAIL A



GLAZING DETAIL B



SIMULATED DIVIDED LITE (SDL)
CROSS SECTION

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DE 13347 BERLIN, GERMANY

DIRECT SET/MULLED FENESTRATION
WOOD MULLED FIXED WINDOW
CROSS SECTIONS, B.O.M. & GLAZING DETAILS

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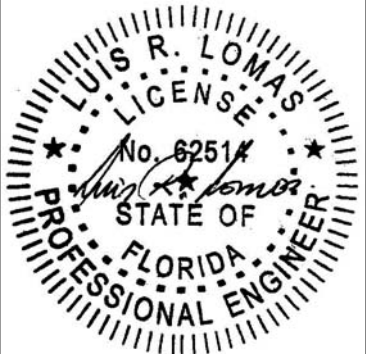
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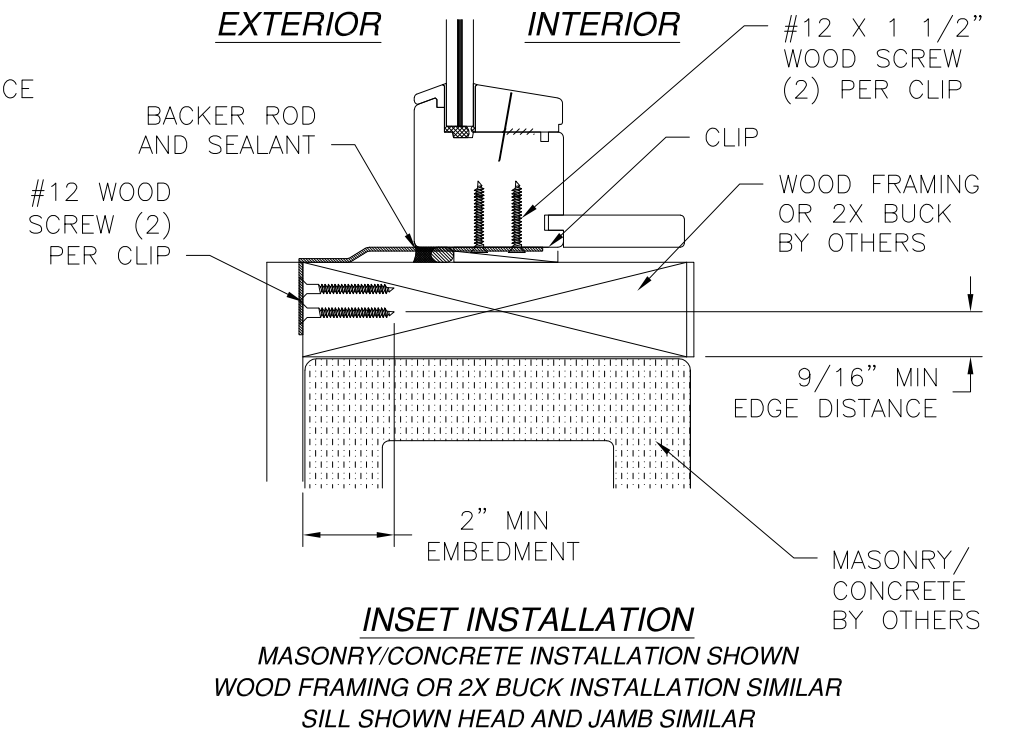
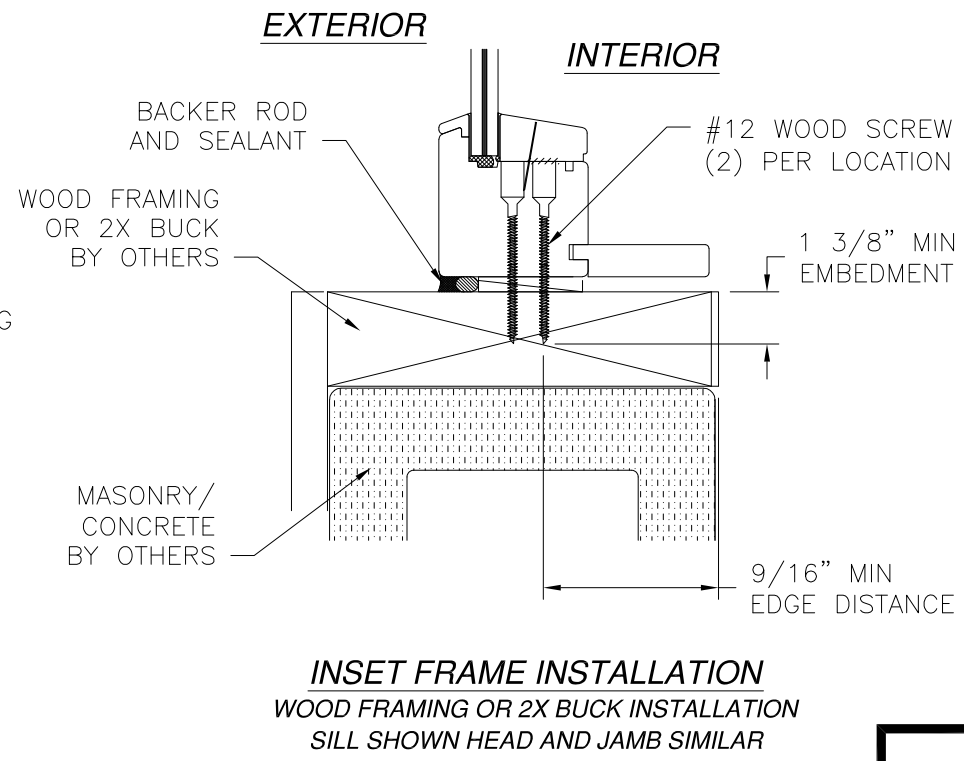
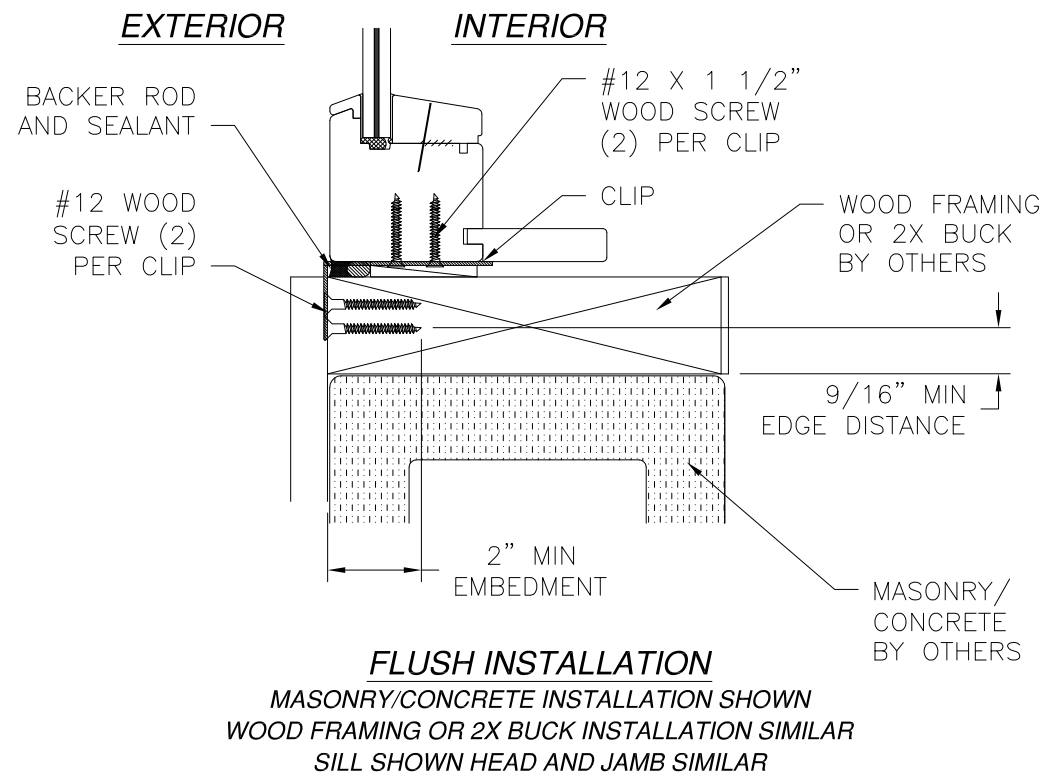
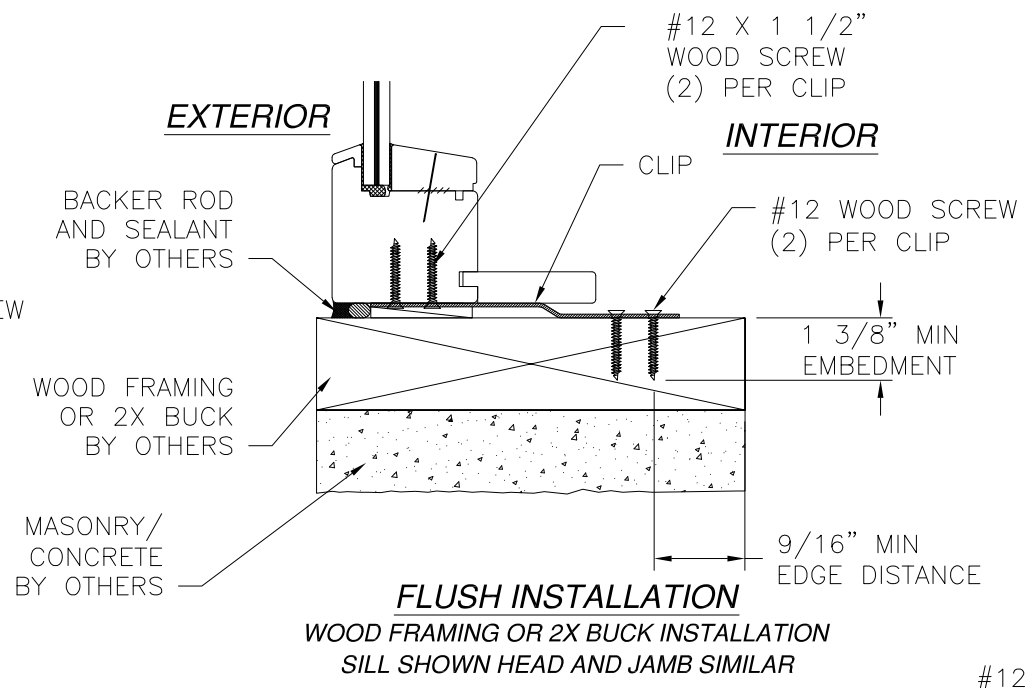
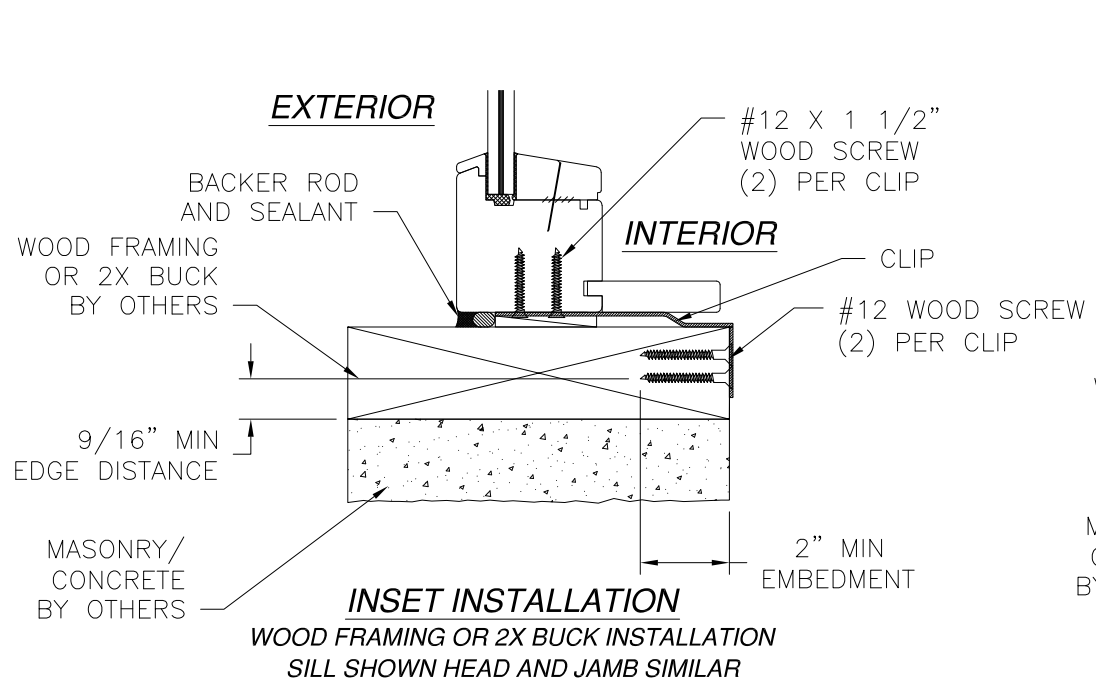
SHEET
4 OF 7

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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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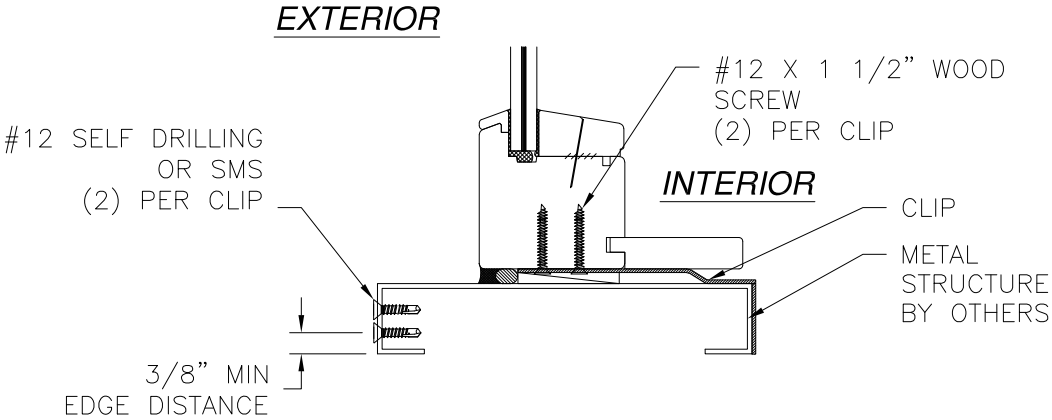
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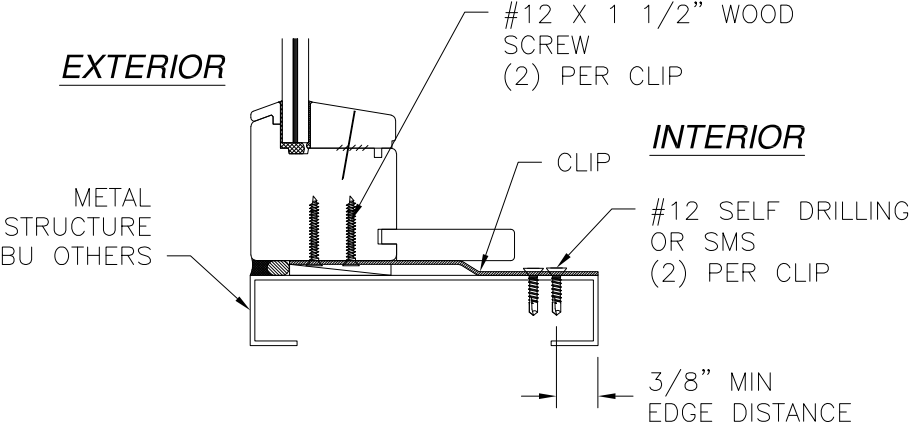
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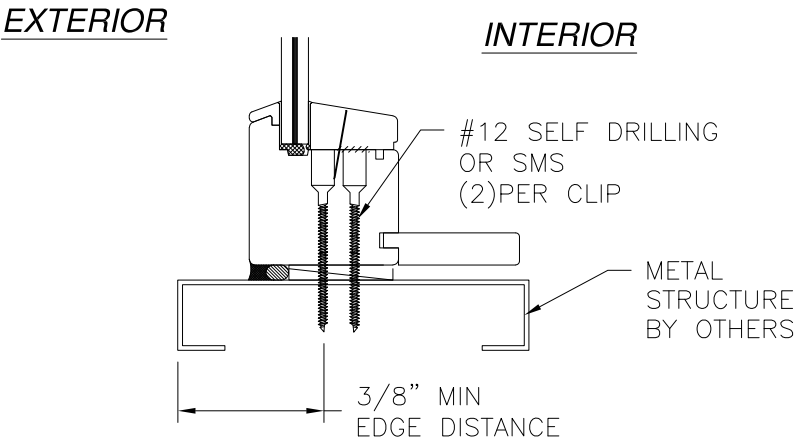
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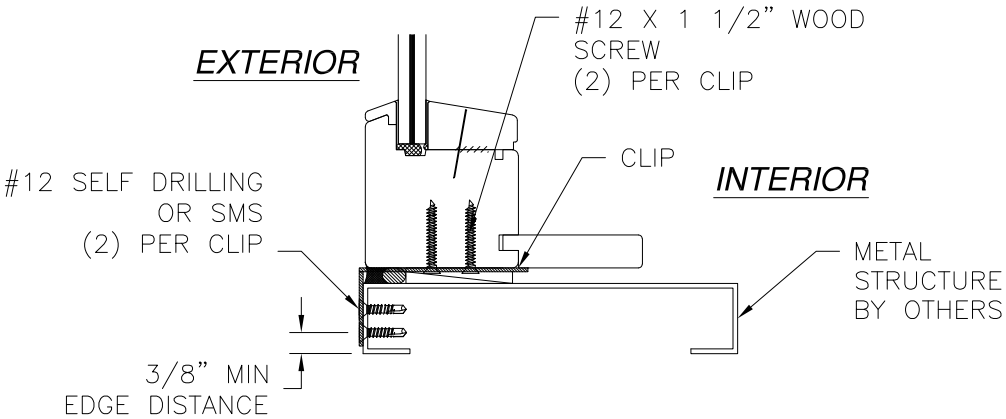
INSET INSTALLATION
METAL STRUCTURE INSTALLATION
SILL SHOWN HEAD AND JAMB SIMILAR



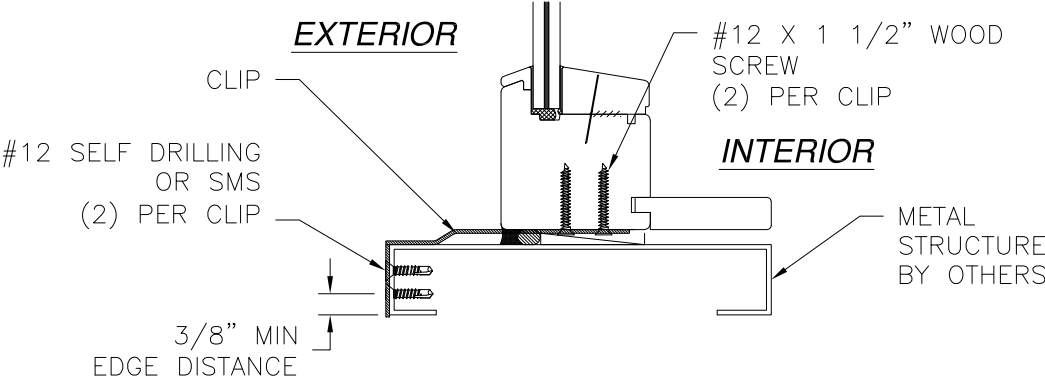
FLUSH INSTALLATION
METAL STRUCTURE INSTALLATION
SILL SHOWN HEAD AND JAMB SIMILAR



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



FLUSH INSTALLATION
METAL STRUCTURE INSTALLATION
SILL SHOWN HEAD AND JAMB SIMILAR



INSET INSTALLATION
METAL STRUCTURE INSTALLATION
SILL SHOWN HEAD AND JAMB SIMILAR

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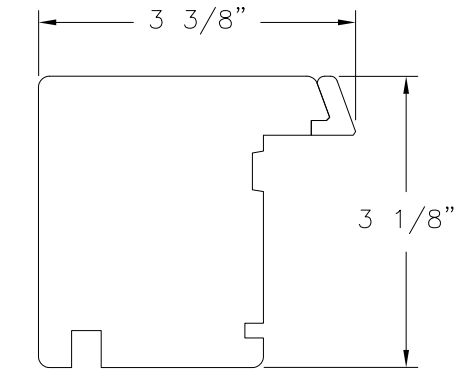
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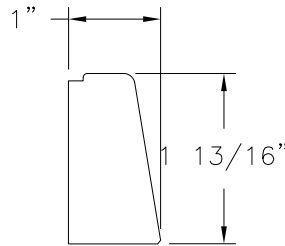


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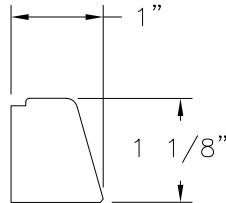
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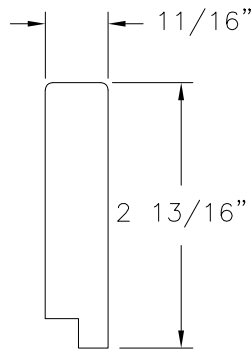
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GRAVITY G.59 MIN



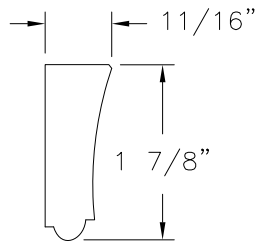
② **GLASS STOP**
WOOD SPECIFIC
GRAVITY G.59 MIN



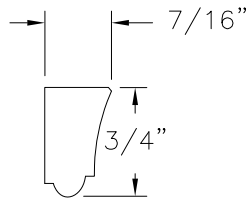
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WOOD SPECIFIC
GRAVITY G.59 MIN



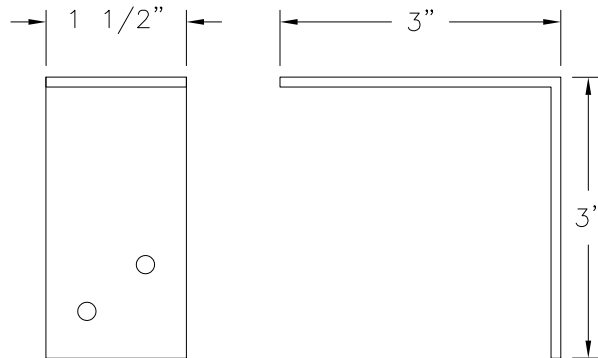
④ **JAMB EXTENSION**
WOOD SPECIFIC
GRAVITY G.59 MIN



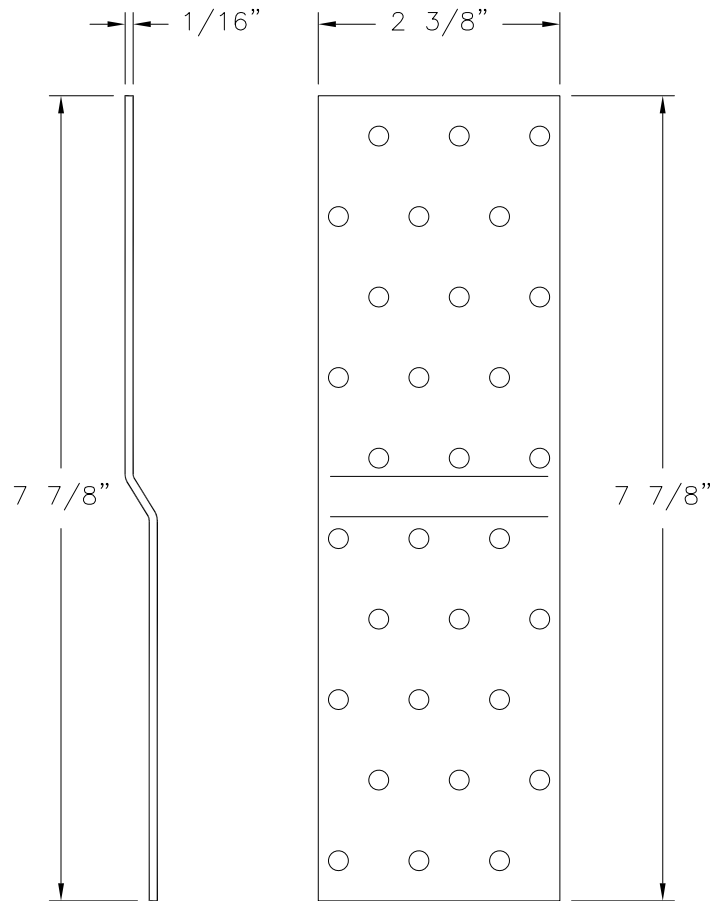
⑦ **GLASS STOP**
WOOD SPECIFIC
GRAVITY G.59 MIN



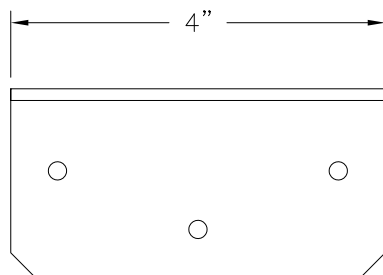
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WOOD SPECIFIC
GRAVITY G.59 MIN



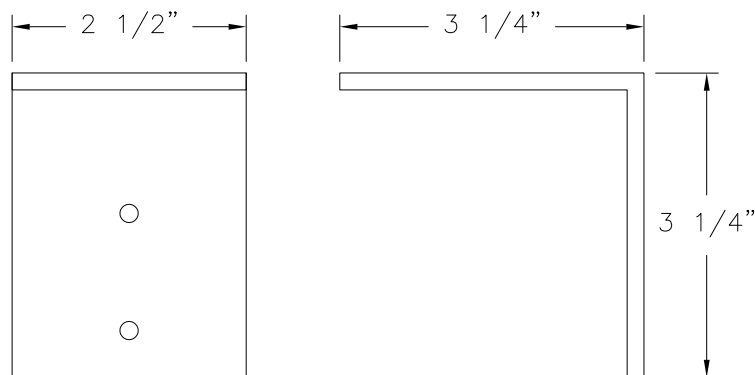
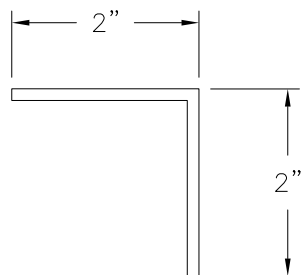
⑪ **CLIP (A33)**
12 GA GALVANIZED STEEL



⑤ **CLIP**
14 GA GALVANIZED STEEL



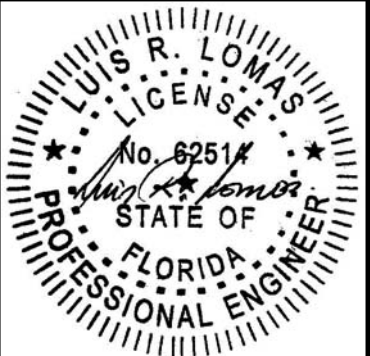
⑨ **CLIP (M24)**
12 GA GALVANIZED STEEL



⑩ **CLIP (HL33)**
7 GA GALVANIZED STEEL

BILDAU & BUSSMANN GMBH GERICHTSTRASSE 23 DE 13347 BERLIN, GERMANY		
DIRECT SET/MULLED FENESTRATION WOOD MULLED FIXED WINDOW COMPONENTS		
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