

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED MANUFACTURER ADDRESS	07/22/2026	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 3 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. SIMULATED DIVIDED LITES MUNTINS ARE OPTIONAL.

SIGNED: 07/22/2026

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BILDAU & BUSSMANN NORTH AMERICA INC.

200 CONTINENTAL DRIVE, SUITE 401

NEWARK, DE 19713

PUSH OUT CASEMENT WINDOW NOTES

DRAWN: R.L.

DWG NO. 08–01865

REV C

SCALE NTS

DATE 11/21/12

SHEET 1 OF 7

L. ROBERTO LOMAS P.E.

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LUIS R. LOMAS

LICENS. M. S.

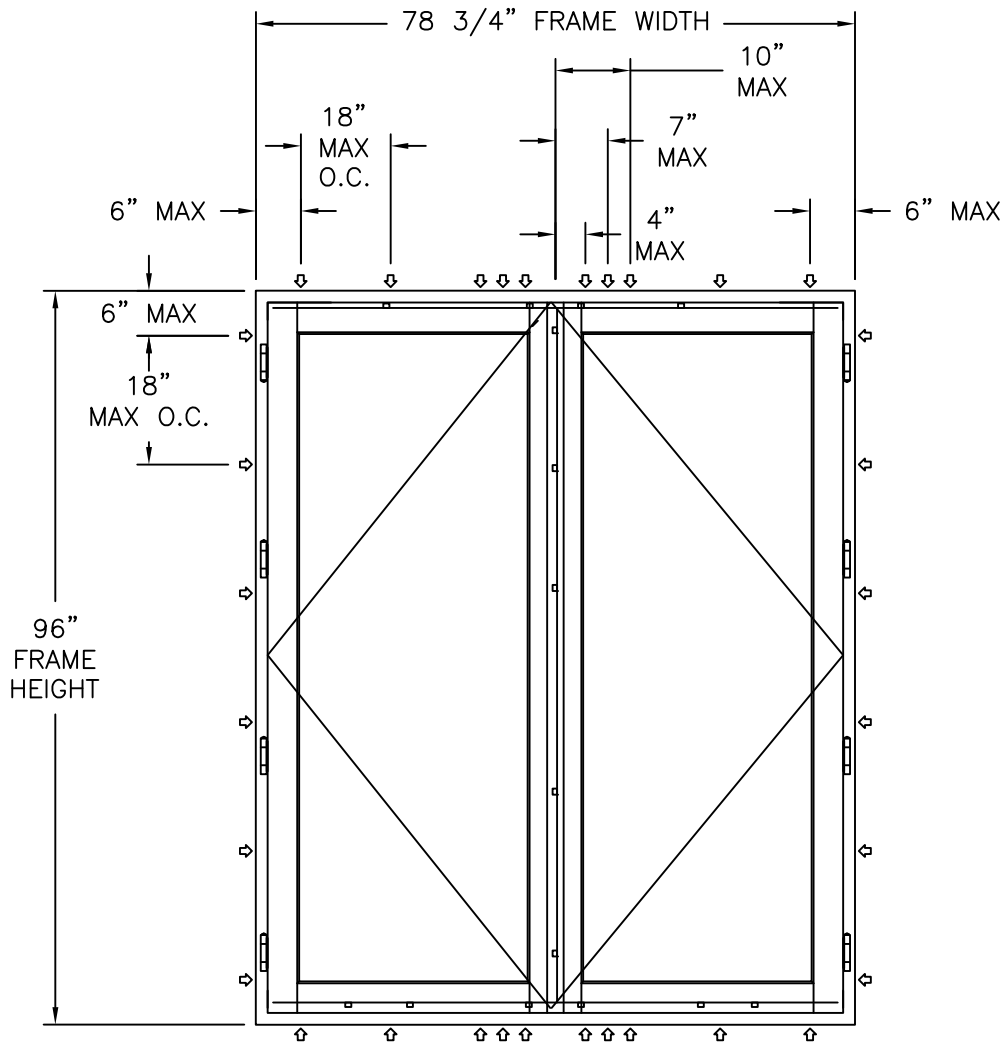
No. 62514

STATE OF FLORIDA

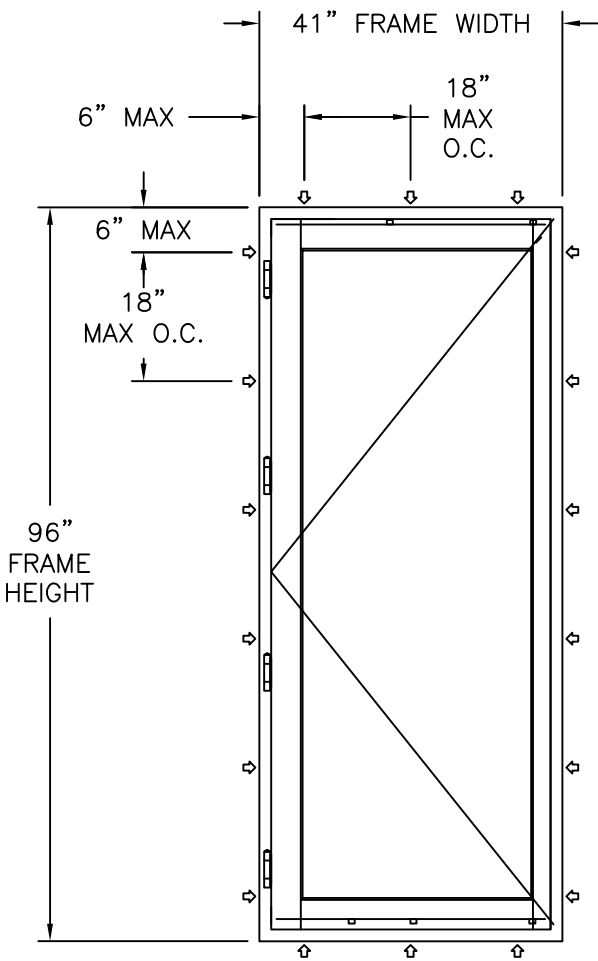
PROFESSIONAL ENGINEER

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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PUSH OUT CASEMENT - DOUBLE
EXTERIOR VIEW



PUSH OUT CASEMENT - SINGLE
EXTERIOR VIEW

- NOTES:
- PANEL SIZE: 38 1/2" X 92 1/2"
 - D.L.O.: 32" X 86 1/2"

DESIGN PRESSURE RATING	IMPACT RATING
±70PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ

SIGNED: 07/22/2026

BILDAU & BUSSMANN NORTH AMERICA INC.
200 CONTINENTAL DRIVE, SUITE 401
NEWARK, DE 19713

PUSH OUT CASEMENT
WINDOW
ELEVATIONS

DRAWN:
R.L.

DWG NO.
08-01865

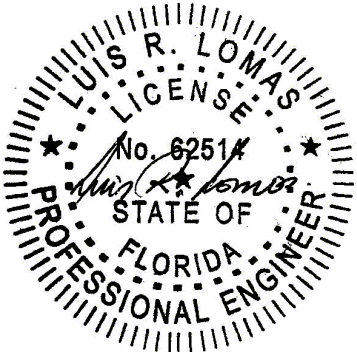
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SCALE NTS

DATE 11/21/12

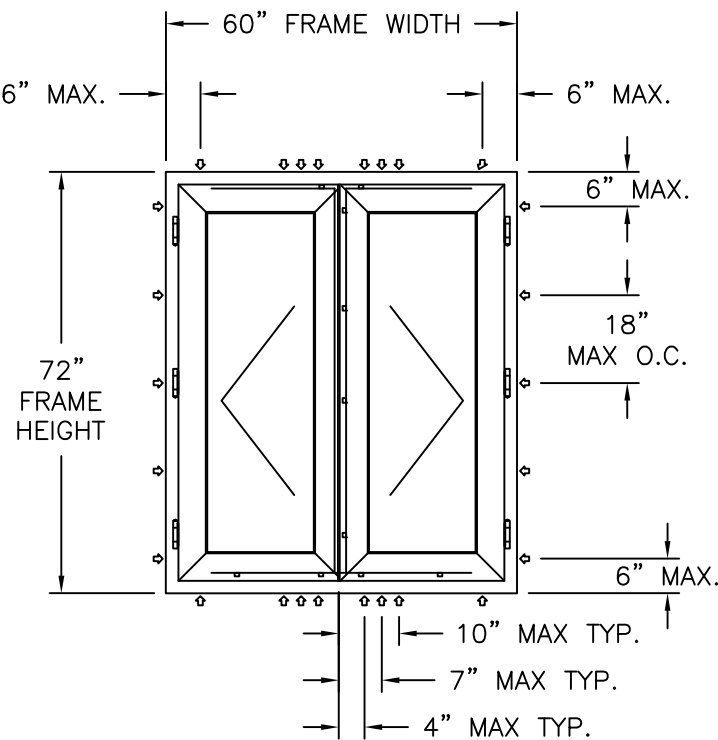
SHEET 2 OF 7

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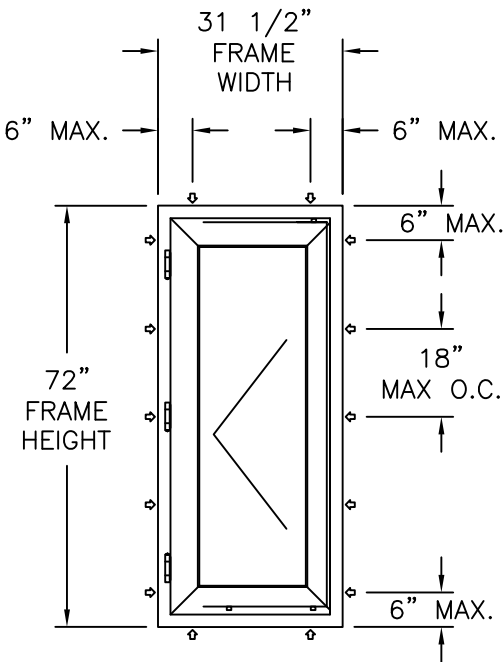


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PUSH OUT CASEMENT - DOUBLE
EXTERIOR VIEW

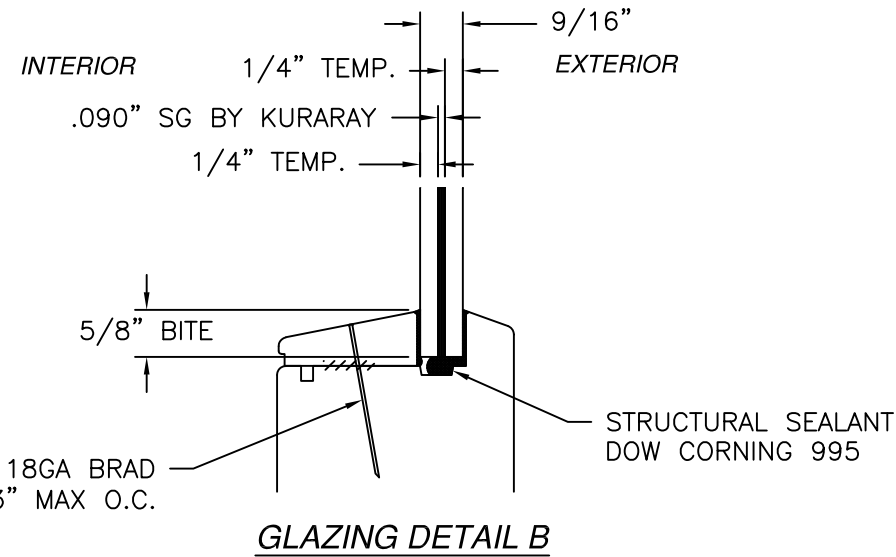
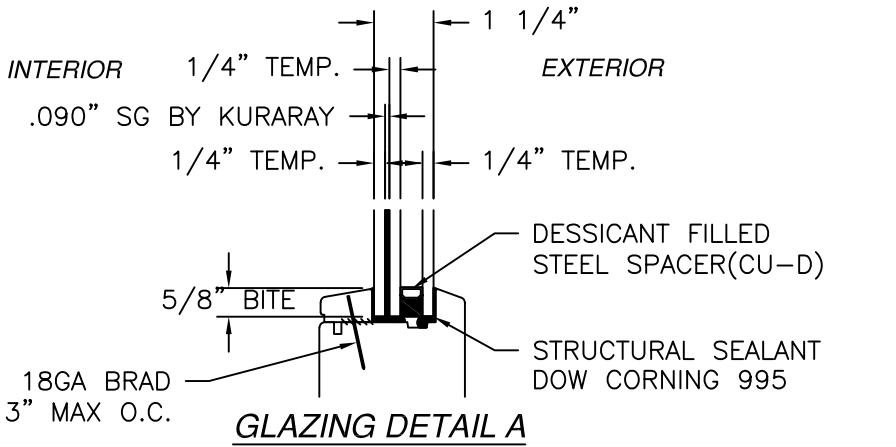


PUSH OUT CASEMENT - SINGLE
EXTERIOR VIEW

- NOTES:
1. PANEL SIZE: 29 1/2" X 69"
2. D.L.O.: 20" X 63"

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ



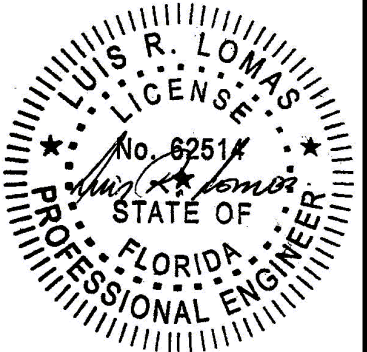
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200 CONTINENTAL DRIVE, SUITE 401
NEWARK, DE 19713

PUSH OUT CASEMENT
WINDOW
ELEVATIONS

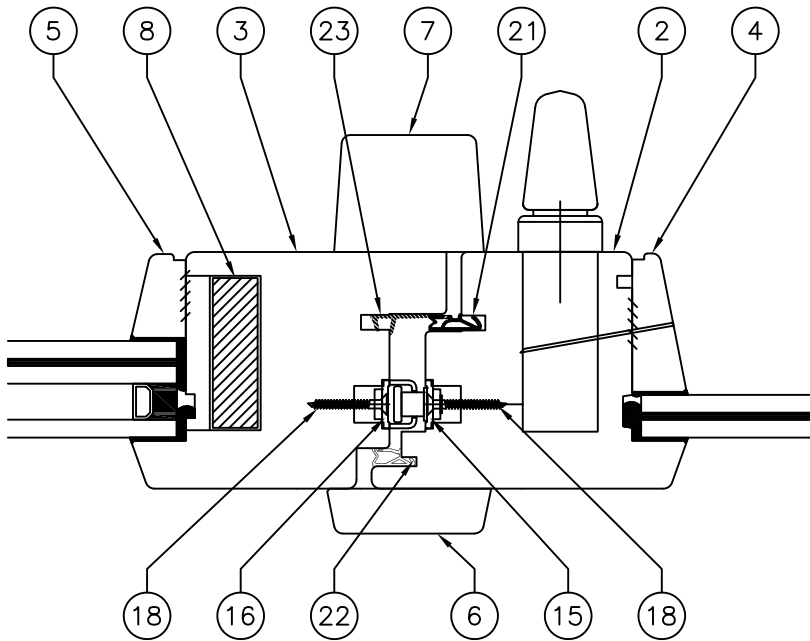
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SCALE NTS	DATE 11/21/12	SHEET 3 OF 7

L. ROBERTO LOMAS P.E.
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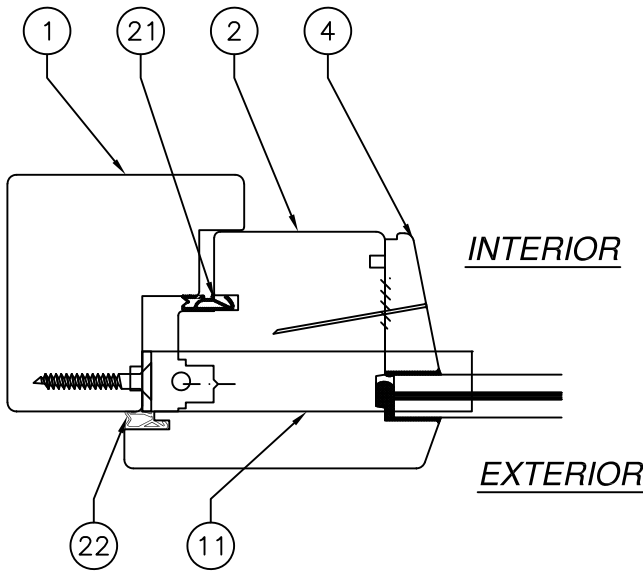


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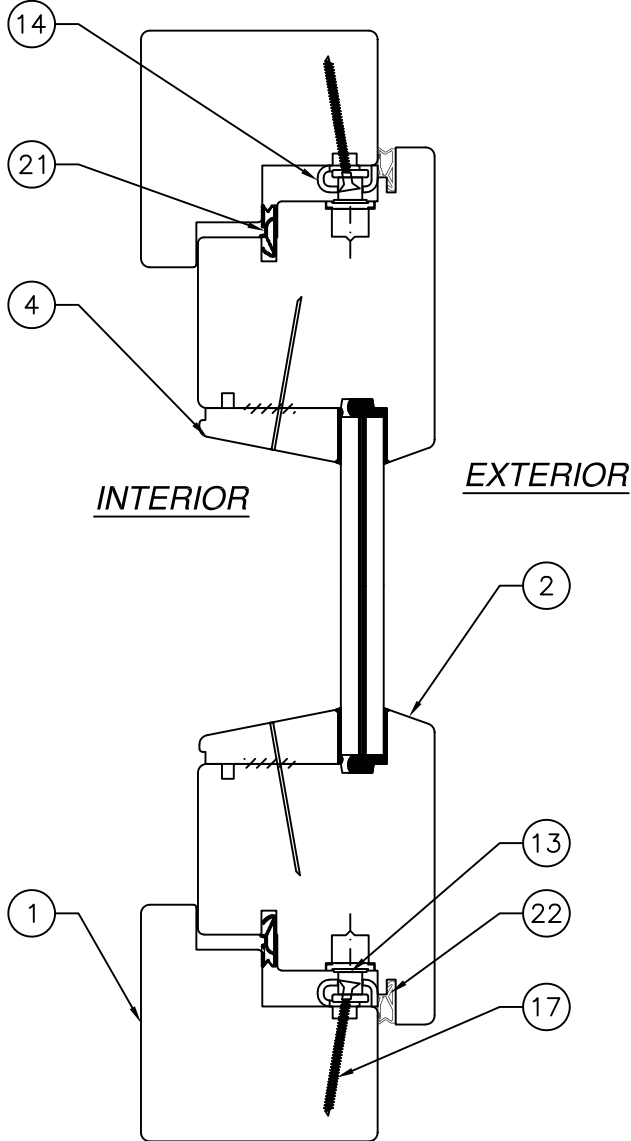
PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1		FRAME	B&B	WOOD SEE NOTE 5
2		SASH	B&B	WOOD SEE NOTE 5
3		SASH INACTIVE MEETING STILE	B&B	WOOD SEE NOTE 5
4		GLASS STOP TALL	B&B	WOOD SEE NOTE 5
5		GLASS STOP SHORT	B&B	WOOD SEE NOTE 5
6		FLAT ASTRAGAL LOW	B&B	WOOD SEE NOTE 5
7		FLAT ASTRAGAL HIGH	B&B	WOOD SEE NOTE 5
8		STEEL REINFORCEMENT	B&B	WOOD SEE NOTE 5
9		TOP HINGE	ROTO	
10		TOP HINGE RETAINER		ALUMINUM
11		BOTTOM HINGE	ROTO	
12		2D HINGE	SIMONSWERK	
13		LOCKING ROLLER		
14		KEEPER	ROTO	
15		ACTIVE SASH W/ LOCKING ROLLER	ROTO	
16		INACTIVE SASH LOCKING W/ KEEPER	ROTO	
17		#8 X 1 3/4" SCREW		STEEL
18		#8 X 1" SCREW		STEEL
19		#12 X 3" SCREW		STEEL
20		#12 X 4" SCREW		STEEL
21	SV12	WEATHERSTRIP	DEVENTER	EPDM 75 SHORE A
22	SV103	WEATHERSTRIP	DEVENTER	EPDM 75 SHORE A
23	S6600	WEATHERSTRIP	DEVENTER	EPDM 75 SHORE A



HORIZONTAL SECTION
FLAT ASTRAGAL (OPTIONAL)

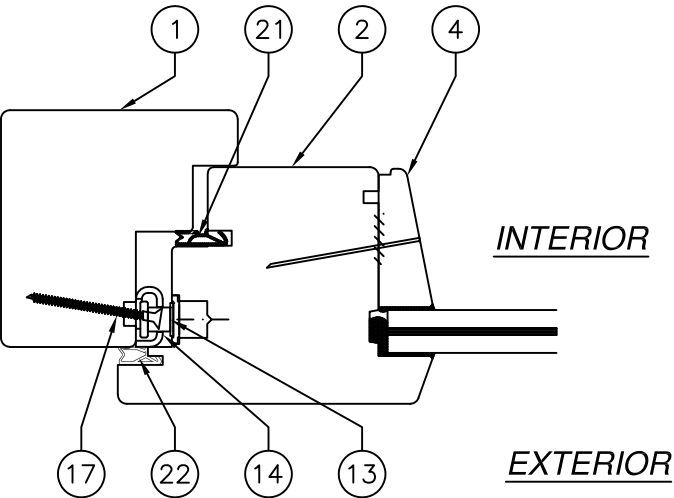


HORIZONTAL SECTION
W/ ROTO HARDWARE

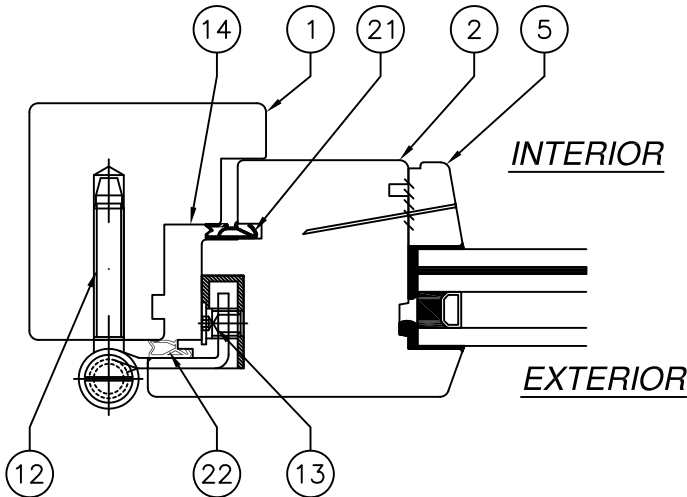


VERTICAL SECTION

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HORIZONTAL CROSS SECTION
W/ CONCEALED HINGE



HORIZONTAL CROSS SECTION

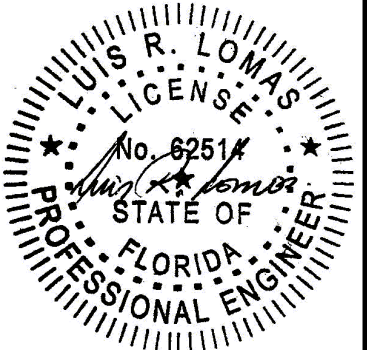
BILDAU & BUSSMANN NORTH AMERICA INC.
200 CONTINENTAL DRIVE, SUITE 401
NEWARK, DE 19713

PUSH OUT CASEMENT
WINDOW
B.O.M. & CROSS SECTIONS

DRAWN: R.L.	DWG NO. 08-01865	REV C
SCALE NTS	DATE 11/21/12	SHEET 4 OF 7

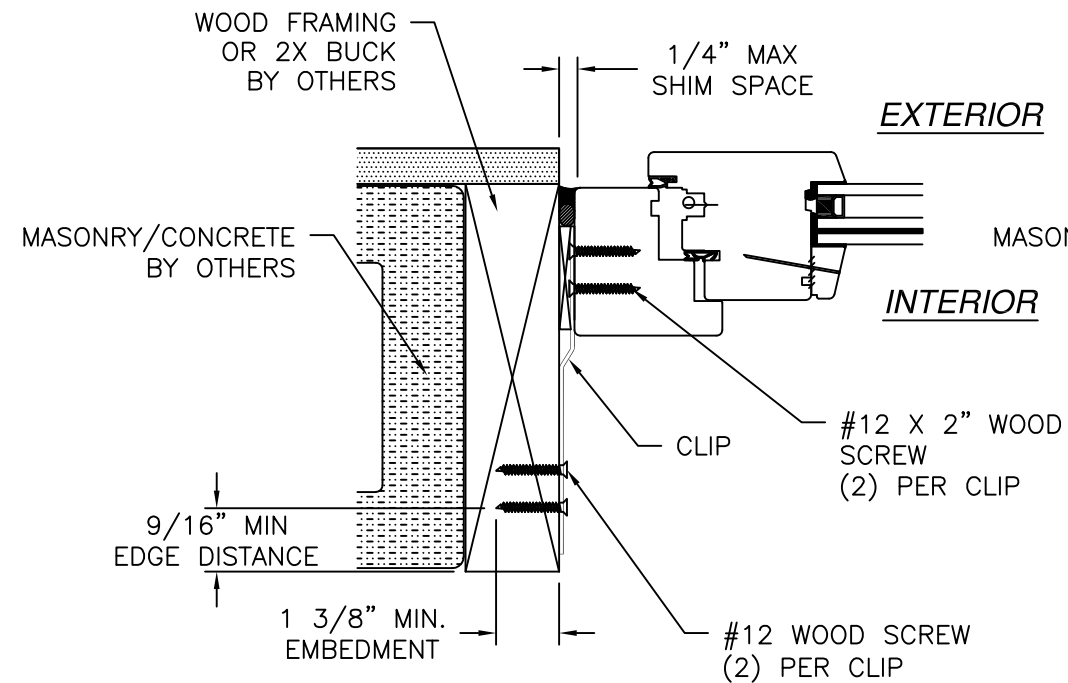
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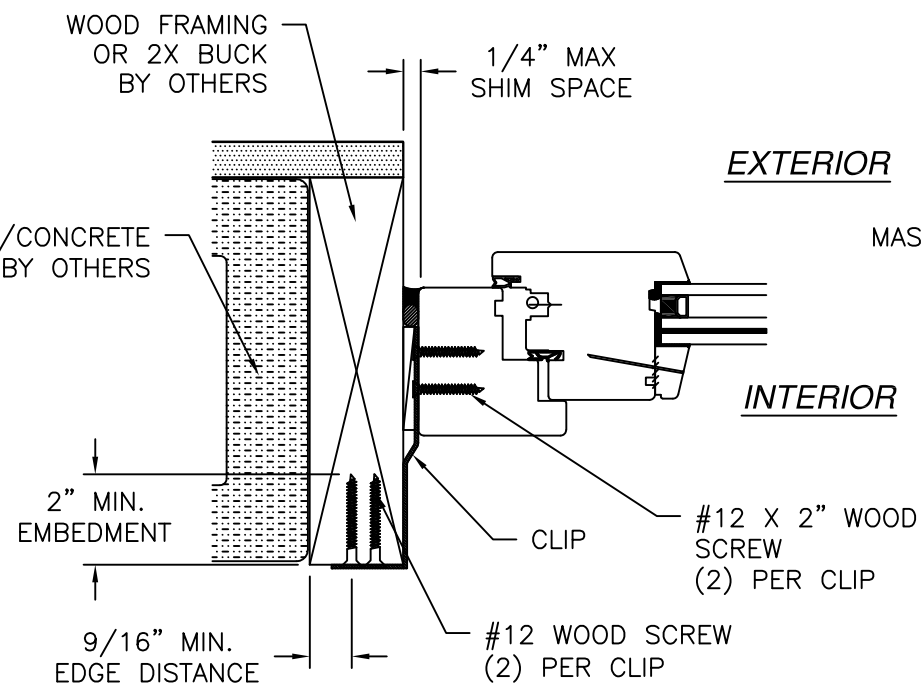


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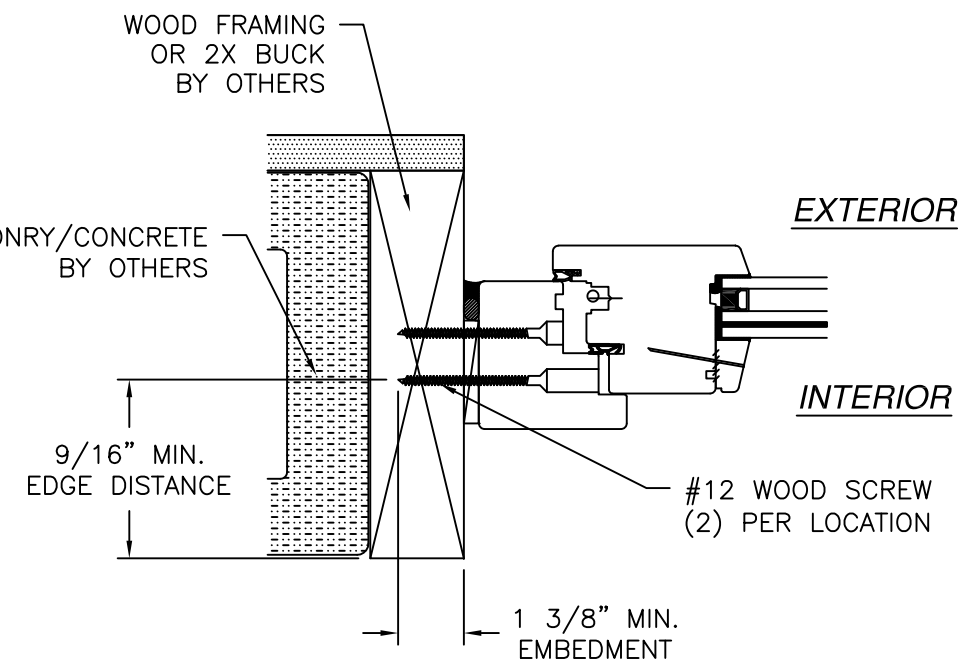
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FLUSH INSTALLATION
WOOD FRAMING OR 2X BUCK INSTALLATION
JAMB SHOWN HEAD AND SILL SIMILAR



INSET INSTALLATION
MASONRY/CONCRETE INSTALLATION SHOWN
WOOD FRAMING OR 2X BUCK INSTALLATION SIMILAR
JAMB SHOWN HEAD AND SILL SIMILAR



INSET FRAME INSTALLATION
MASONRY/CONCRETE INSTALLATION SHOWN
WOOD FRAMING OR 2X BUCK INSTALLATION SIMILAR
JAMB SHOWN HEAD AND SILL SIMILAR

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

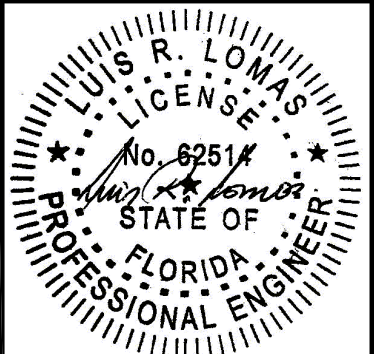
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200 CONTINENTAL DRIVE, SUITE 401
NEWARK, DE 19713

PUSH OUT CASEMENT
WINDOW
INSTALLATION DETAILS

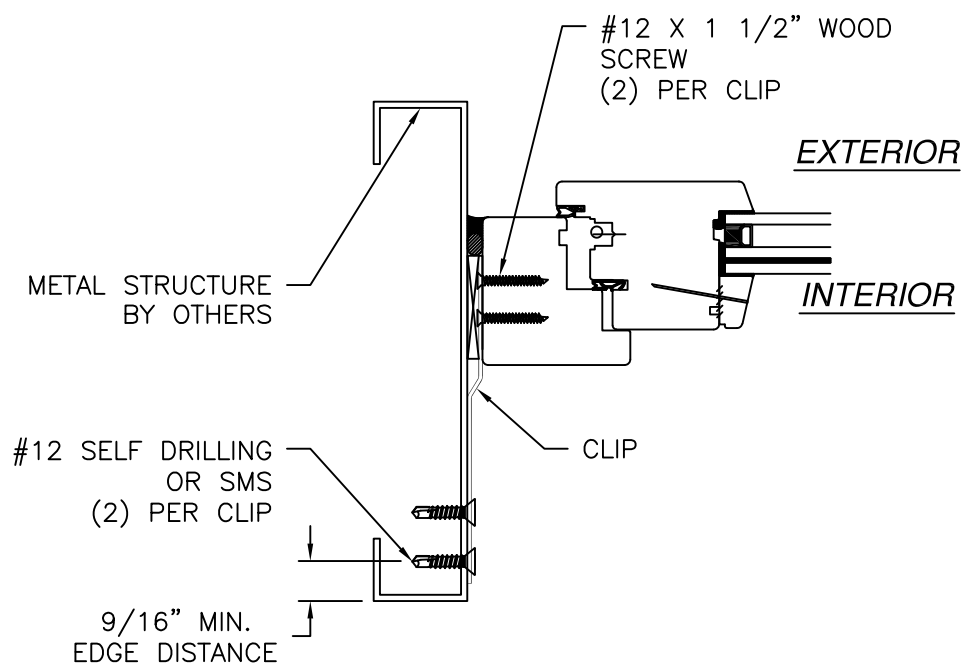
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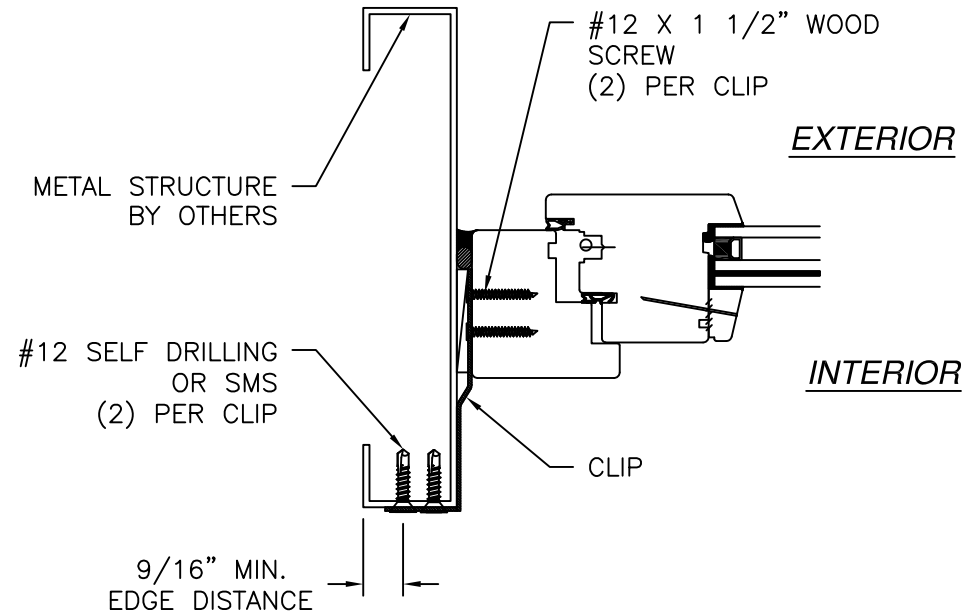


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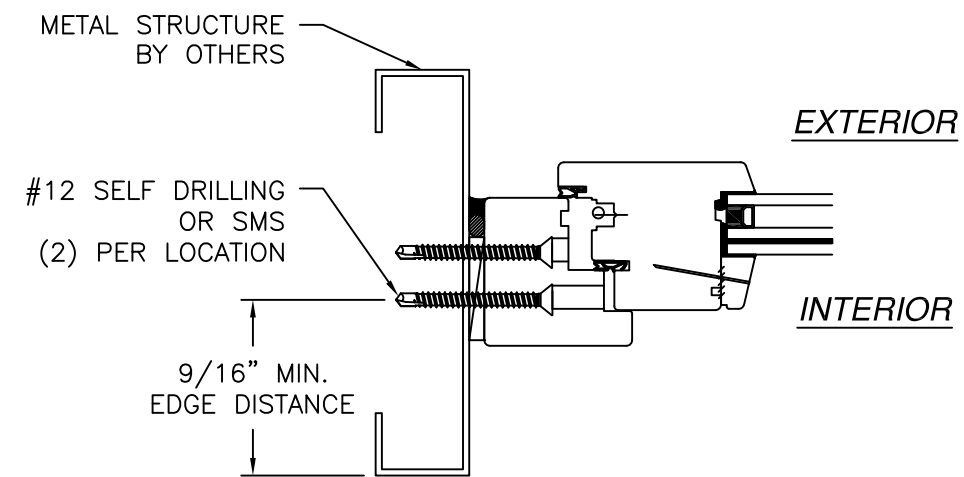
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FLUSH INSTALLATION
METAL STRUCTURE INSTALLATION
JAMB SHOWN HEAD AND SILL SIMILAR



INSET INSTALLATION
METAL STRUCTURE INSTALLATION
JAMB SHOWN HEAD AND SILL SIMILAR



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

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

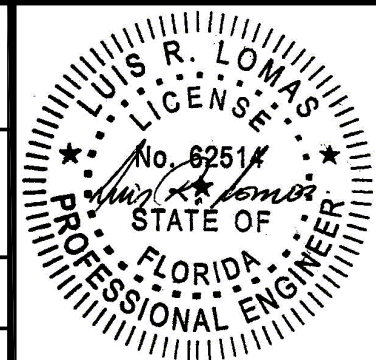
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NEWARK, DE 19713

**PUSH OUT CASEMENT WINDOW
INSTALLATION DETAILS**

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SCALE NTS	DATE 11/21/12	SHEET 6 OF 7

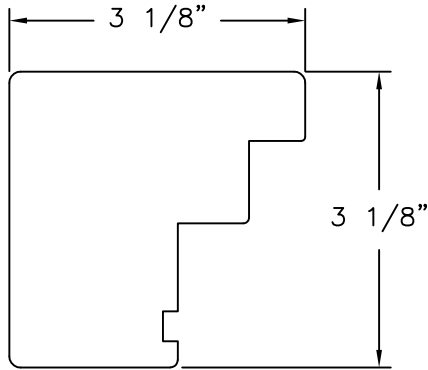
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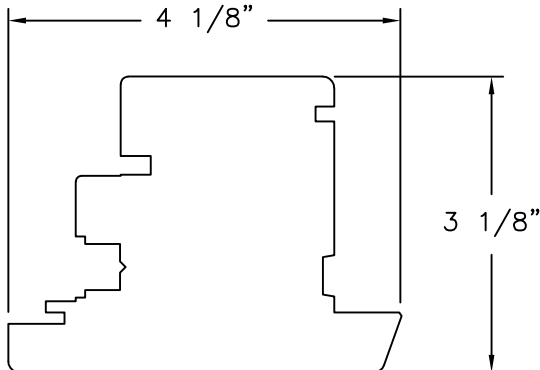


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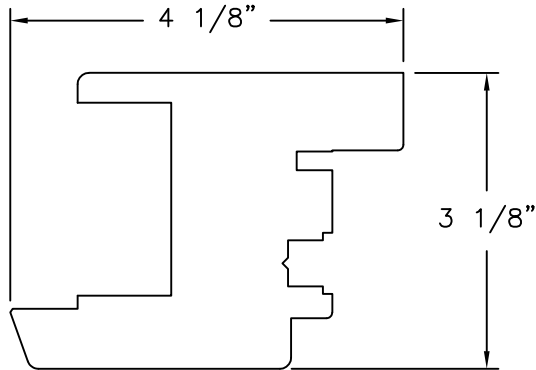
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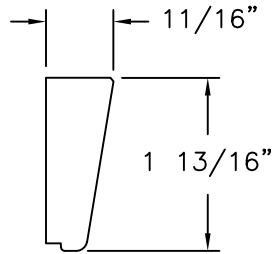
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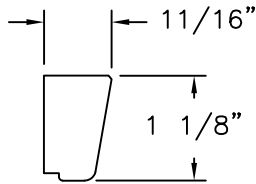
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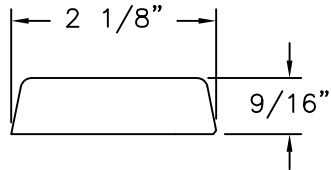
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WOOD SPECIFIC GRAVITY G.59 MIN.



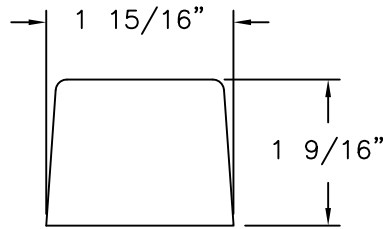
④ GLASS STOP
WOOD SPECIFIC GRAVITY G.59 MIN.



⑤ GLASS STOP
WOOD SPECIFIC GRAVITY G.59 MIN.



⑥ FLAST ASTRAGAL
WOOD SPECIFIC GRAVITY G.59 MIN.



⑦ FLAST ASTRAGAL
WOOD SPECIFIC GRAVITY G.59 MIN.

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BILDAU & BUSSMANN NORTH AMERICA INC. 200 CONTINENTAL DRIVE, SUITE 401 NEWARK, DE 19713			
PUSH OUT CASEMENT WINDOW COMPONENTS			
DRAWN: R.L.	DWG NO. 08-01865	REV C	
SCALE NTS	DATE 11/21/12	SHEET 7 OF 7	
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			

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