

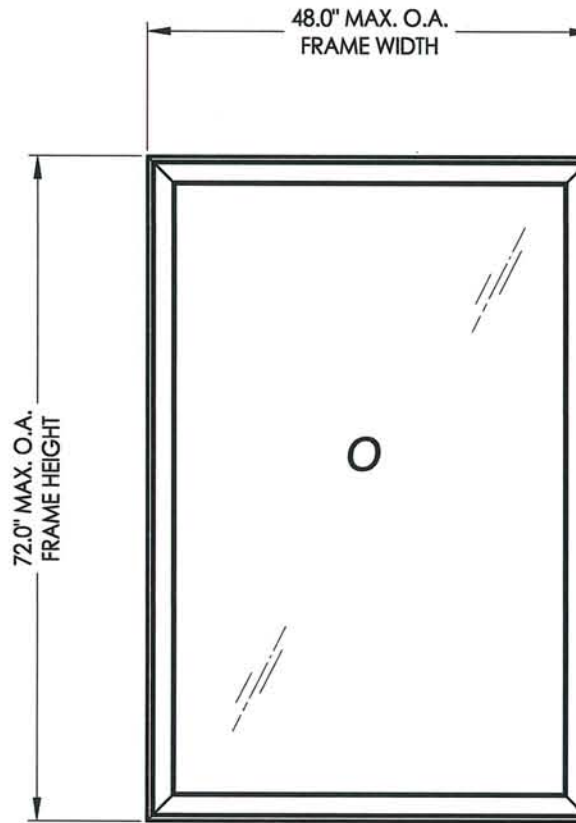


2045 Kerper Blvd., Dubuque, IA 52004-1072  
PH. 563.556.2270

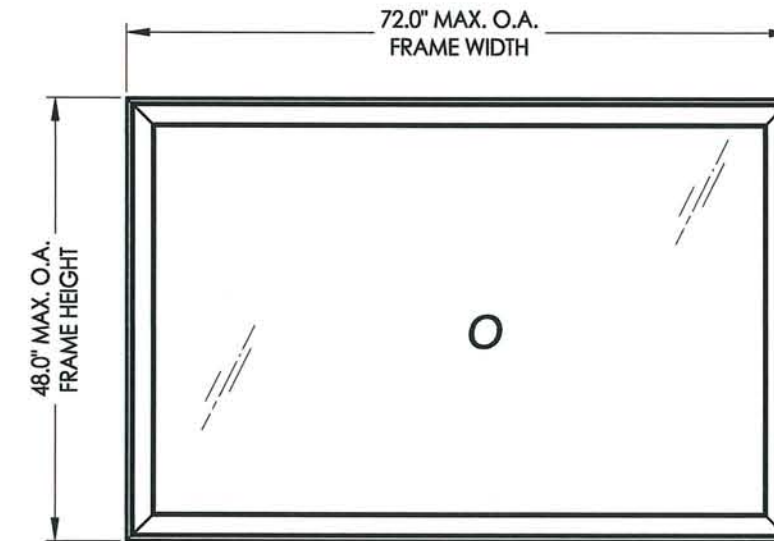
## SERIES 00 AXIOM CLAD FIXED CASEMENT WINDOW SINGLE UNIT "IMPACT"

### GENERAL NOTES

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996.
4. For through the frame anchoring in 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.



**RECTANGULAR**



**RECTANGULAR**

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
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3	Vertical & horizontal cross sections
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5	Buck and frame anchoring - rectangular & square
6	Buck and frame anchoring - trapezoid
7	Buck and frame anchoring - radius
8	Components
9	Bill of materials & glazing details

OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POS.	NEG.
48.00" X 72.00"	41.87" X 65.87"	H1	+70.0	-80.0
72.00" X 48.00"	65.87" X 41.87"	H1	+70.0	-80.0

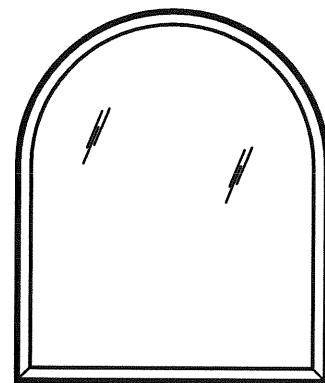
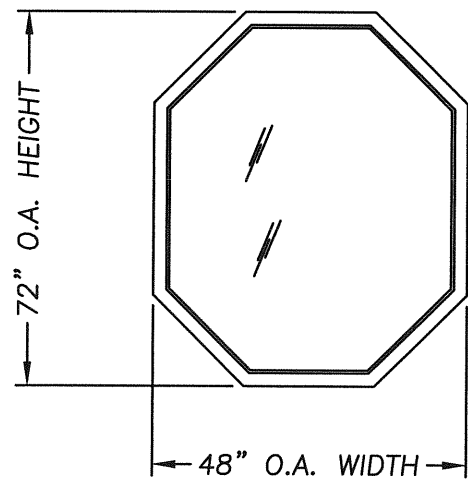
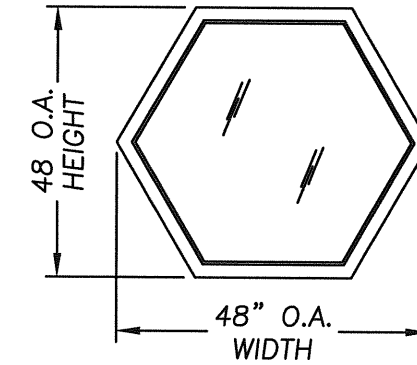
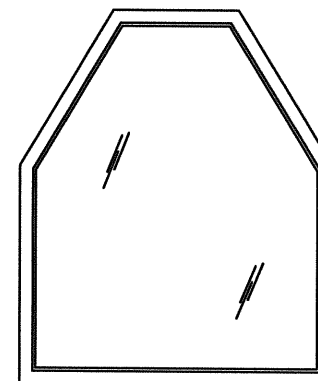
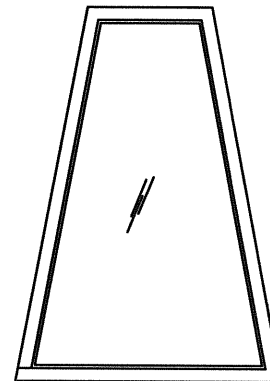
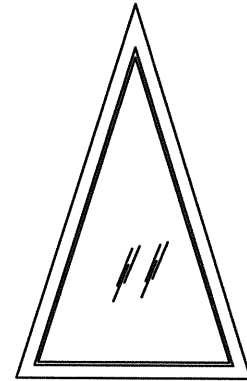
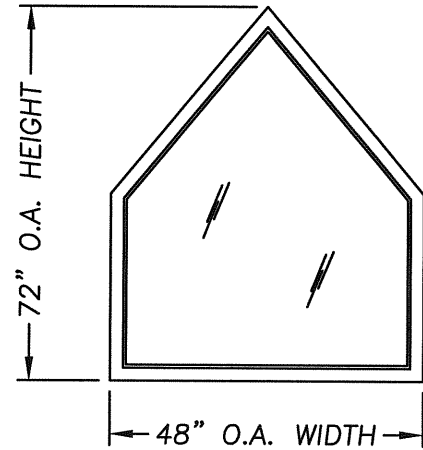
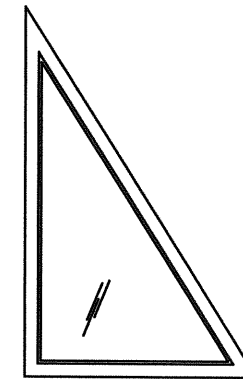
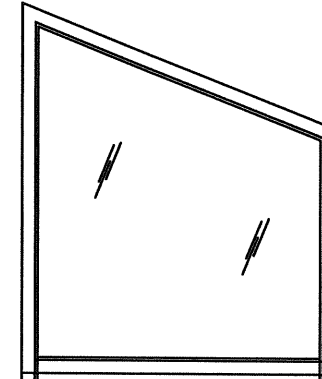
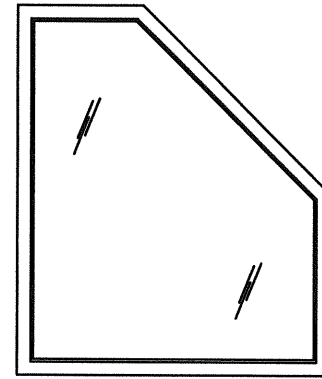
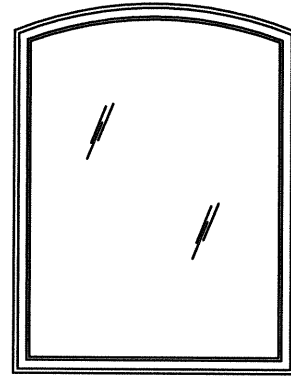
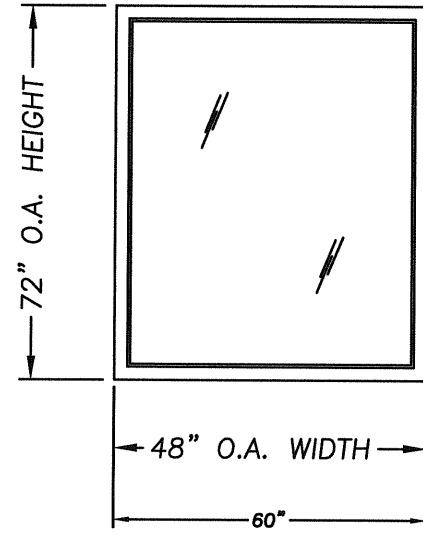
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*Wendell W. Haney* 9-5-08  
Wendell W. Haney, P.E. No. 54158

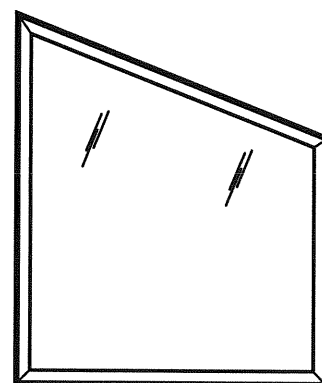
PRODUCT: SERIES 00 AXIOM CLAD FIXED CASEMENT WINDOW "IMPACT"  
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

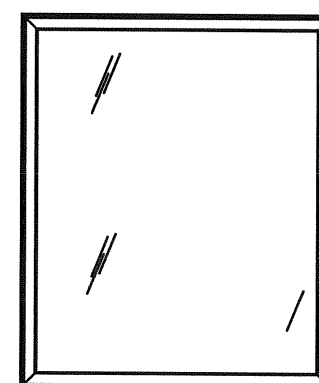
DATE: 05/15/08  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: WWH  
DRAWING NO.: FL-8557.5  
SHEET 1 OF 9



RADIUS



TRAPEZOID



SQUARE

NOTES:

1. THE ARCHITECT OR ENGINEER OF RECORD MUST ENGINEER THE BUCK AND FRAME ANCHORING FOR THE GEOMETRIC SHAPES THAT DO NOT HAVE ANCHORING SHOWN IN THIS DRAWING.
2. GEOMETRIC SHAPES MUST FIT WITHIN THE BOUNDING BOX DIMENSIONS OF 48" X 72" OR 72" X 48".

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*Wendell W. Harey* 9.5.08  
 Wendell W. Harey, P.E. No. 54158

PRODUCT: SERIES 00 AXIOM CLAD FIXED CASEMENT WINDOW IG "IMPACT"

PART OR ASSEMBLY: GEOMETRIC SHAPES

NO.	DATE	BY	REVISIONS

DATE: 05/15/08

SCALE: N.T.S.

DWG. BY: JK

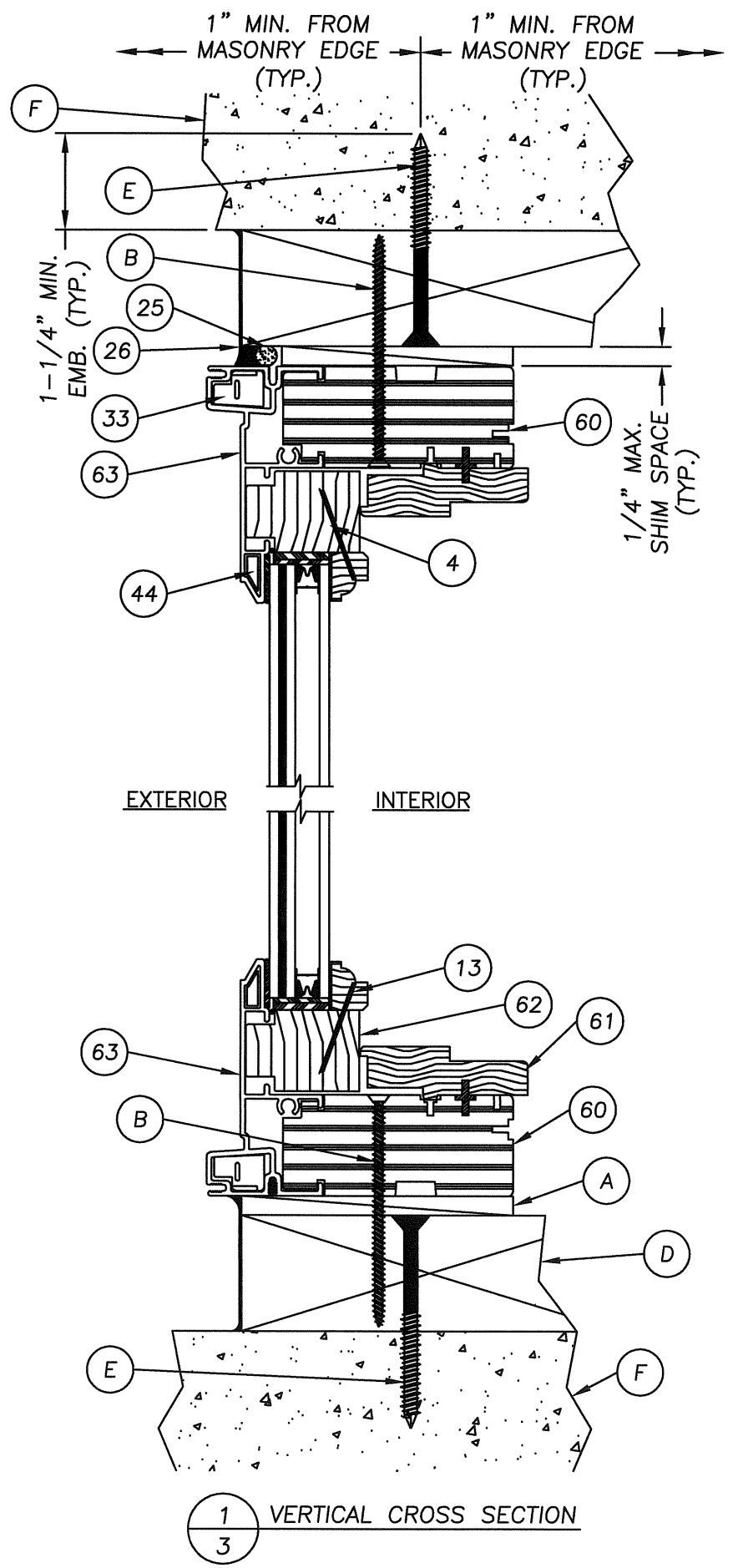
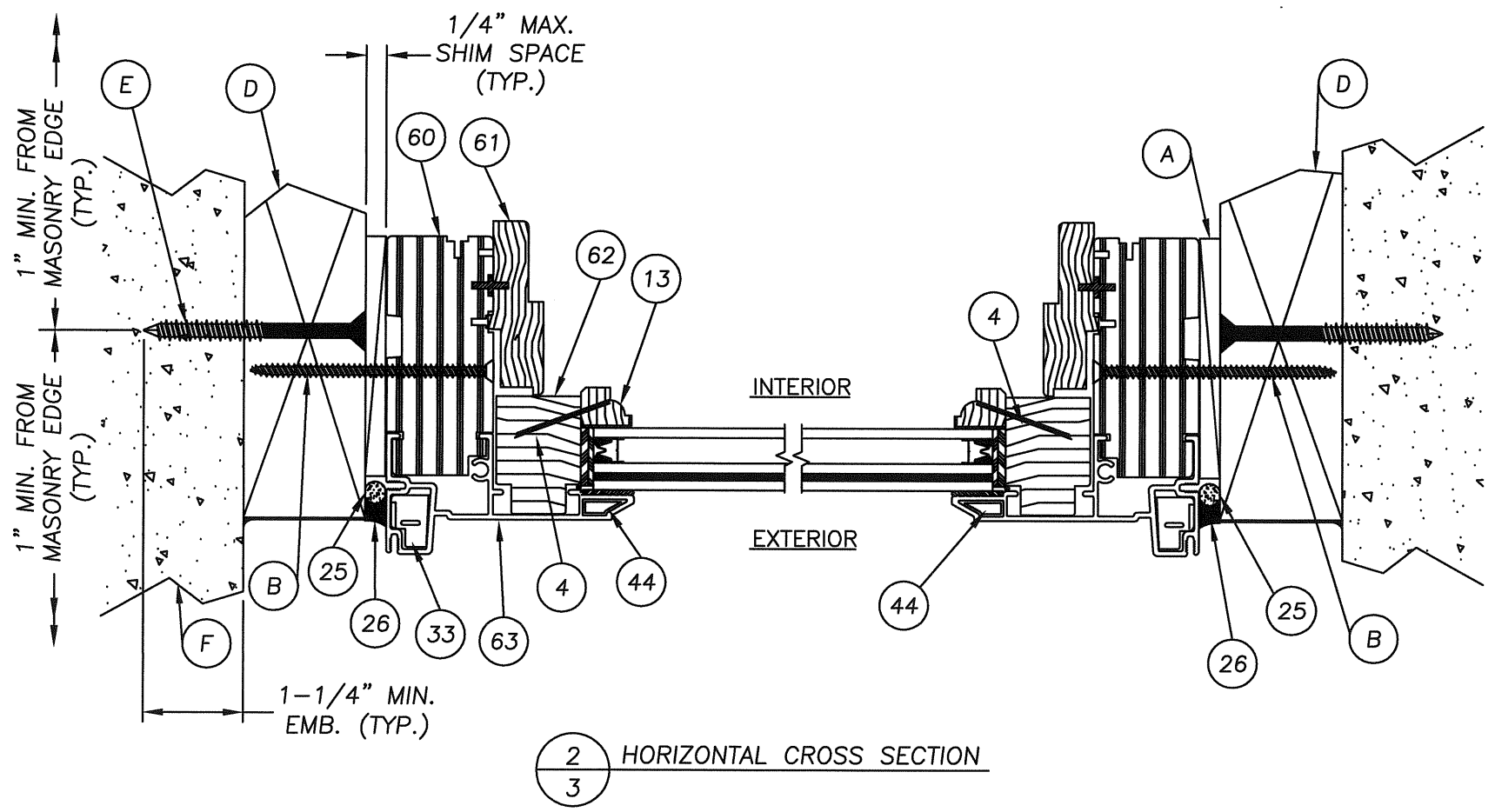
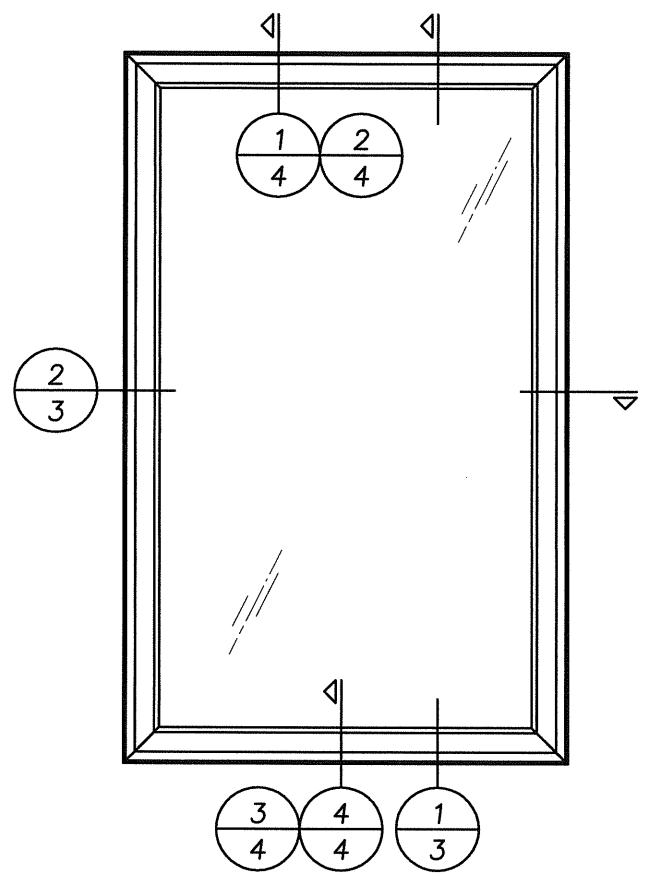
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DRAWING NO.:

FL-8557.5

SHEET 2 OF 9

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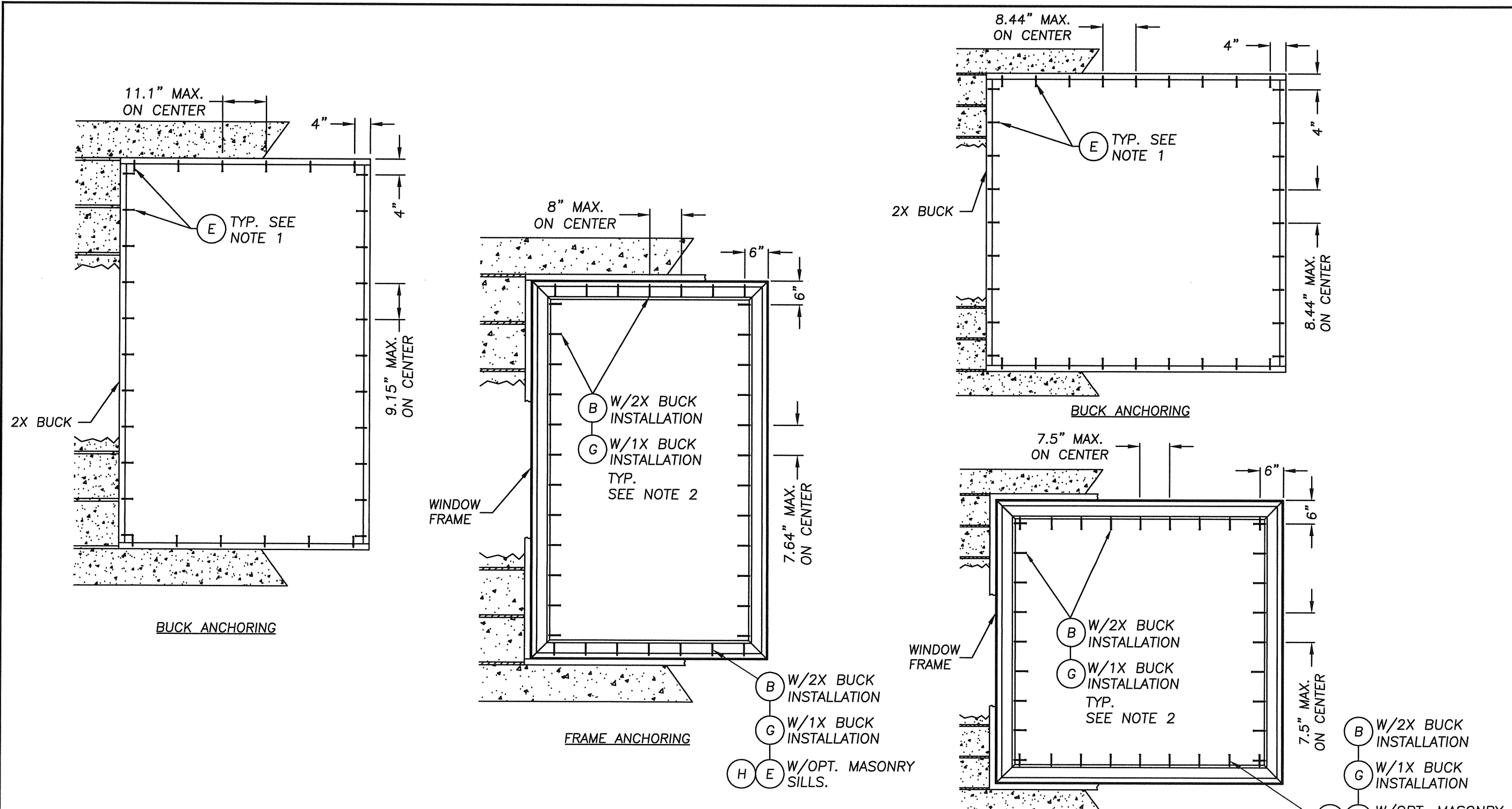
PRODUCT:  
SERIES 00 AXIOM  
CLAD FIXED CASEMENT  
WINDOW "IMPACT"  
PART OR ASSEMBLY:  
VERTICAL & HORIZONTAL  
CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 5/15/08  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: WWH  
DRAWING NO.:  
FL-8557.5  
SHEET 3 OF 9

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NOTES:

- 1/4" Elco Concrete screws anchoring 2x buck require a minimum 1" clearance to masonry edges, a 1-1/4" minimum embedment and a minimum 4" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Concrete screw locations at the corners, mullion and centerline locations may be adjusted to maintain the minimum edge distance to mortar joints. If Concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional Concrete screws may be required to ensure the maximum on center dimension is not exceeded.
- 1/4" ITW concrete screws anchoring frame and/or sill require a minimum 2-1/2" clearance to masonry edges, a 1-1/4" minimum embedment and a minimum 3" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Concrete screw locations at the corners, mullion and centerline locations may be adjusted to maintain the minimum edge distance to mortar joints. If Concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional Concrete screws may be required to ensure the maximum on center dimension is not exceeded.

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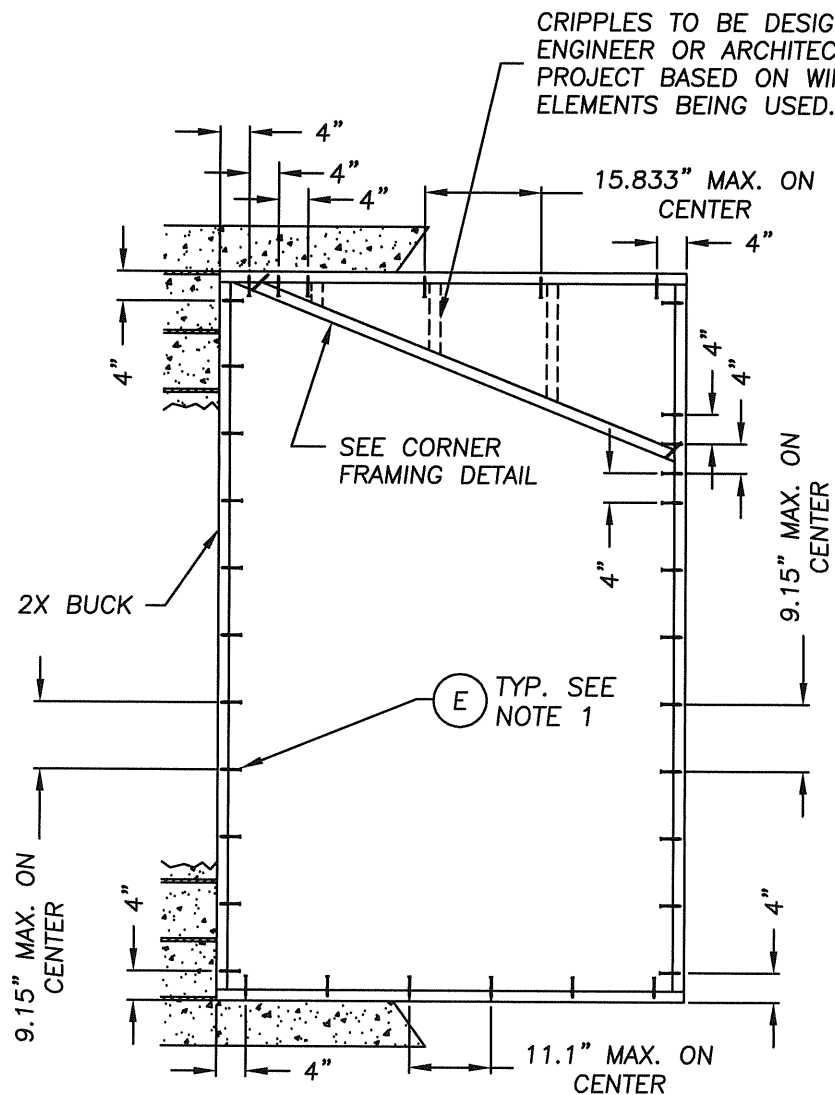
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PRODUCT: SERIES 00 AXIOM CLAD FIXED CASEMENT WINDOW IG "IMPACT"  
 PART OR ASSEMBLY: BUCK & FRAME ANCHORING - RECTANGULAR & SQUARE

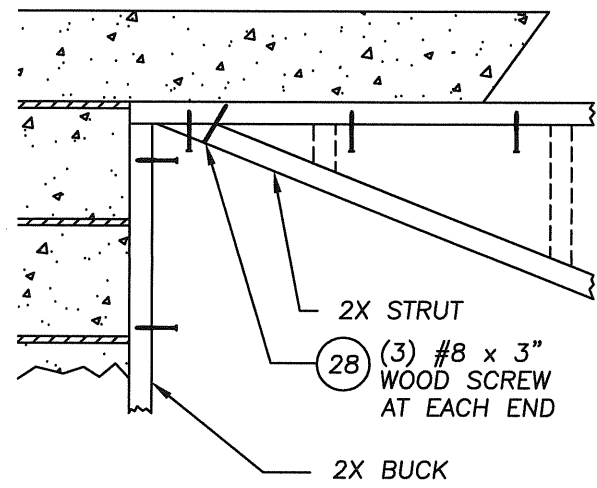
NO.	DATE	BY	REVISIONS

DATE: 5/15/08  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: WWH  
 DRAWING NO.: FL-8557.5  
 SHEET 5 OF 9

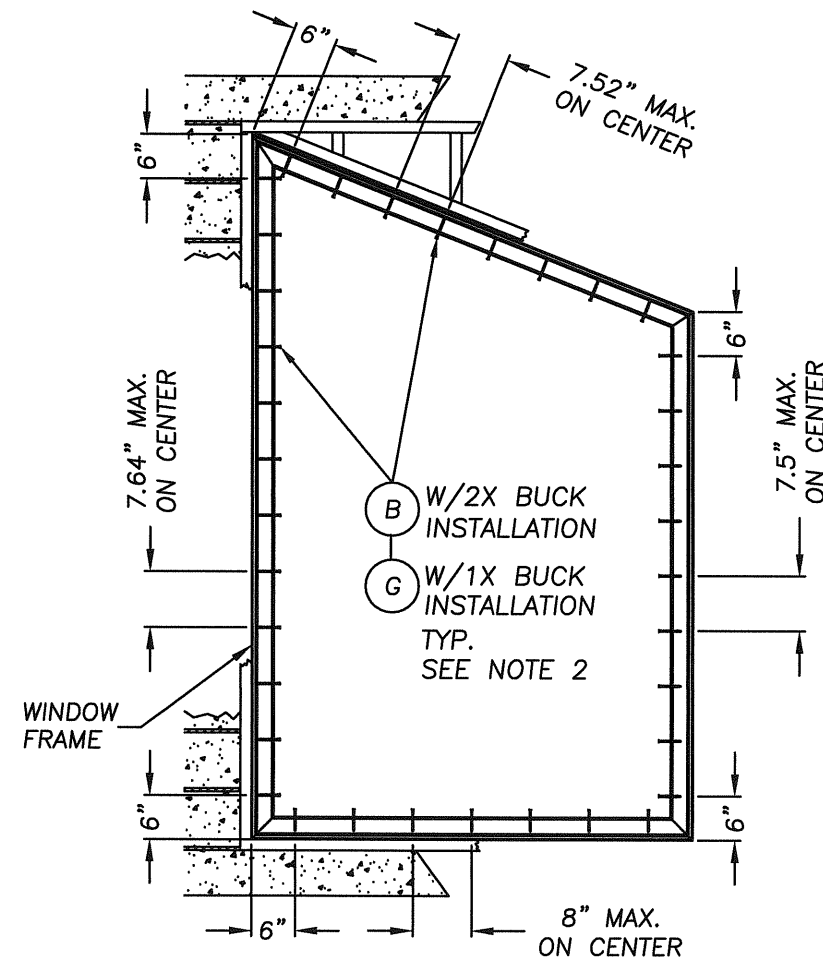
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**BUCK ANCHORING**



**CORNER FRAMING DETAIL  
(NOT TO SCALE)**



**FRAME ANCHORING**

**NOTES:**

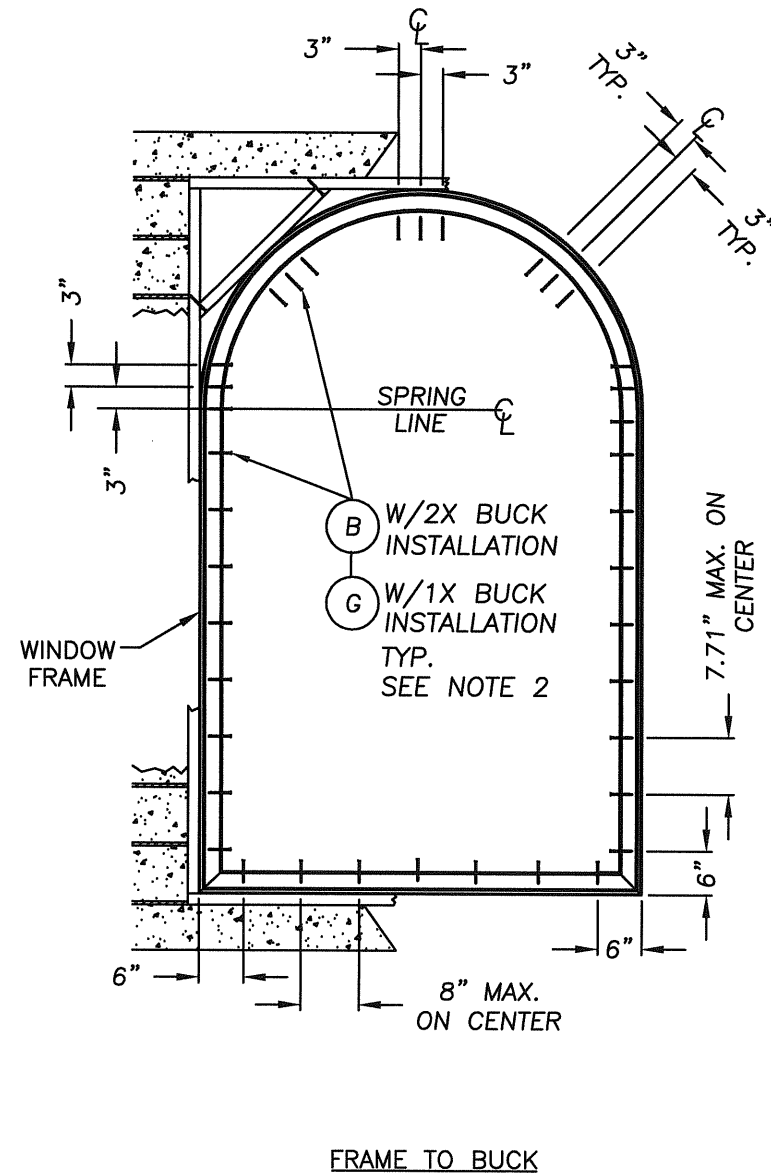
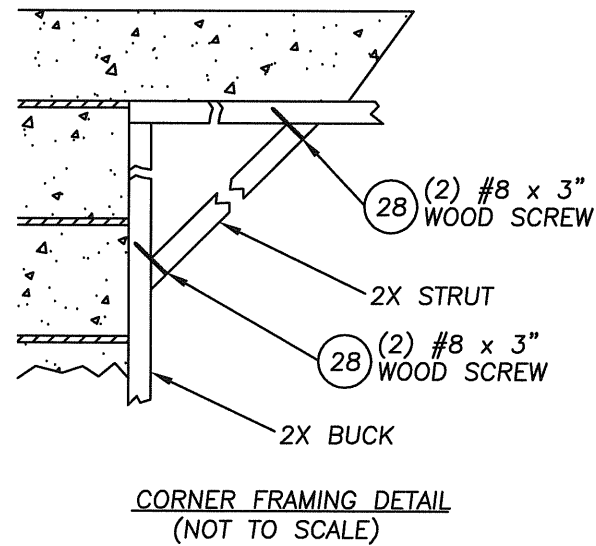
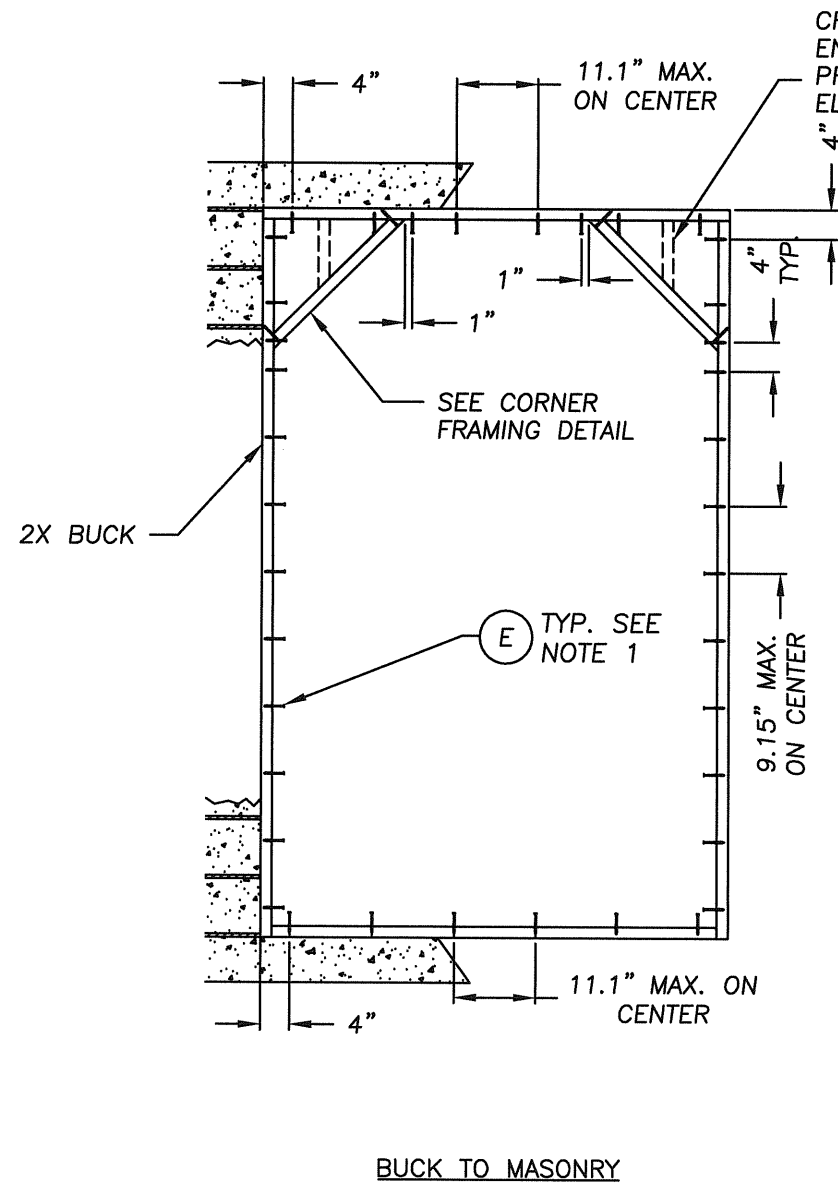
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PRODUCT:	SERIES 00 AXIOM CLAD FIXED CASEMENT WINDOW IG "IMPACT"
PART OR ASSEMBLY:	BUCK & FRAME ANCHORING-- TRAPEZIOD

NO.	DATE	BY	REVISIONS

DATE: 5/15/08  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: WWH  
 DRAWING NO.: FL-8557.5  
 SHEET 6 OF 9



NOTES:

- 1/4" Elco Concrete screws anchoring 2x buck require a minimum 1" clearance to masonry edges, a 1-1/4" minimum embedment and a minimum 4" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Concrete screw locations at the corners, mullion and centerline locations may be adjusted to maintain the minimum edge distance to mortar joints. If Concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional Concrete screws may be required to ensure the maximum on center dimension is not exceeded.
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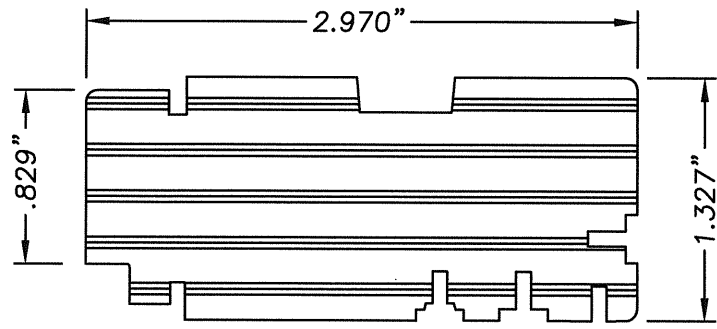
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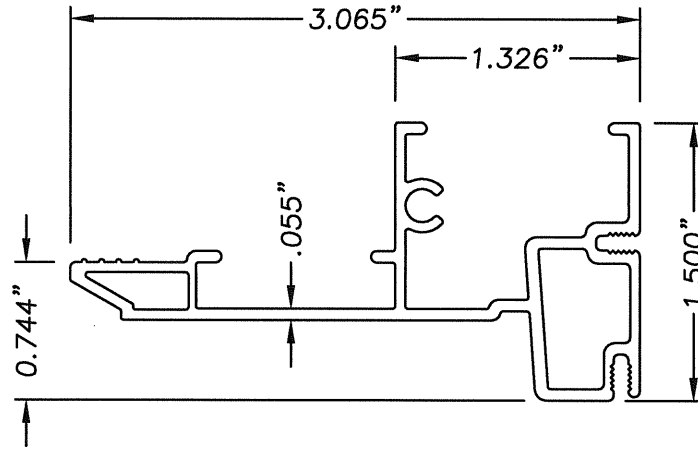
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 PART OR ASSEMBLY: BUCK & FRAME ANCHORING - RADIUS

NO.	DATE	BY	REVISIONS

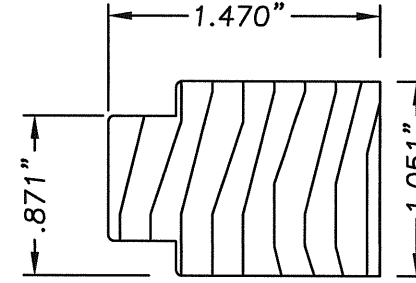
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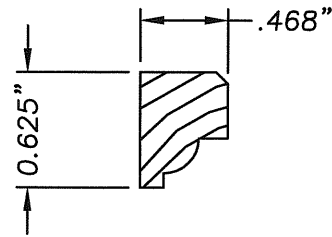
60 FRAME MEMBER



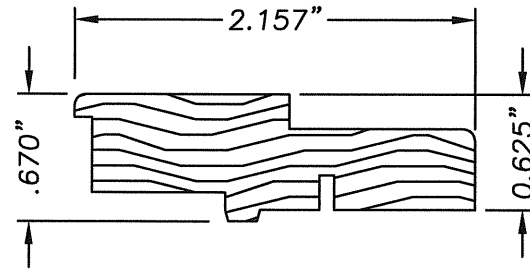
63 FRAME / SASH CLADDING



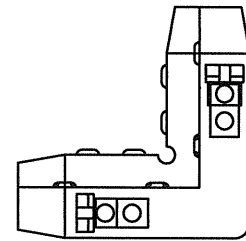
62 RAIL / STILE



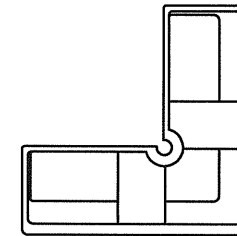
13 GLAZING STOP



61 SIDE STOP



33 CORNER KEY



44 ADJUSTABLE CORNER KEY

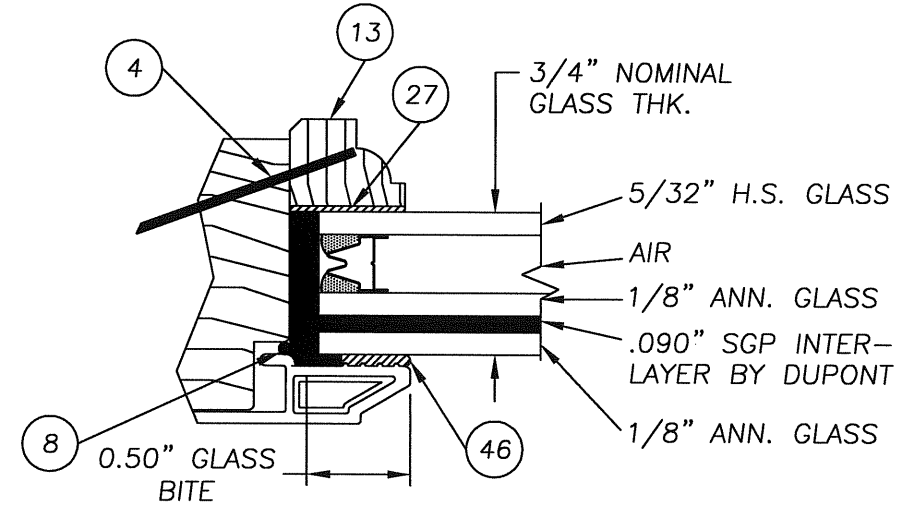
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 CHK. BY: WWH  
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 FL-8557.5  
 SHEET 8 OF 9

PRODUCT: SERIES 00 AXIOM  
 CLAD FIXED CASEMENT  
 WINDOW "IMPACT"  
 PART OR ASSEMBLY:  
 COMPONENTS

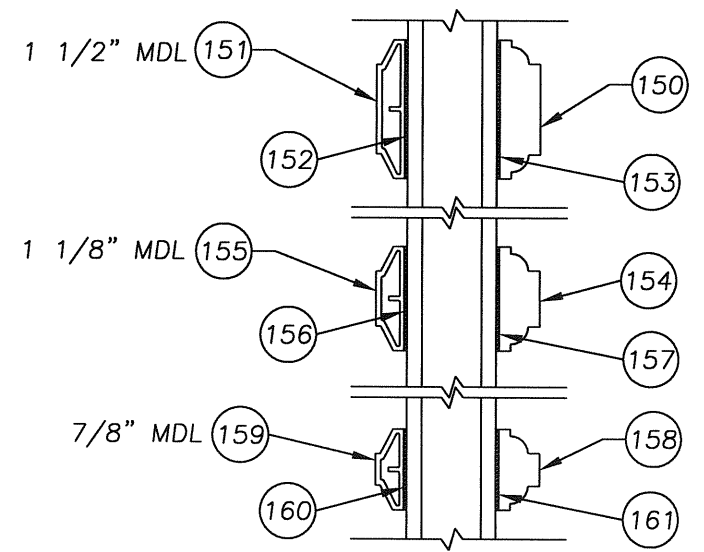
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 Wendell W. Hargis 9-5-08  
 Wendell W. Hargis, P.E. No. 54158

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1/4" MAX. SHIM SPACE	WOOD
B	#8 x 3" PFH SMS	STEEL
C	1X BUCK SG >= 0.55	WOOD
D	2X BUCK SG >= 0.55	WOOD
E	1/4" x 2-3/4" ELCO TAPCON	STEEL
F	MASONRY - 3,192 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" x 3-3/4" ITW TAPCON	STEEL
H	1/4" x 3-3/4" ELCO TAPCON	STEEL
J	#8 x 2-1/2" PFH WS	STEEL
4	18ga x 1-1/4" BRAD TRIM NAIL	STEEL
8	PECORA 896 SEALANT	SILICONE
13	GLASS STOP (CLEAR PINE) (.625" x .471")	WOOD
25	BACKER ROD	FOAM
26	SEALANT	SILICONE
27	POLYETHELENE FOAM TAPE	FOAM TAPE
28	#8 x 3" PFH SCREW	STEEL
29	STRAP ANCHOR 1.625" x 8.5" x .039" THK.	STEEL
33	FRAME CORNER KEY	ABS COMPOUND
37	#8 X 5/8" PFH WS	STEEL
38	#8 X 1-1/2" PFH SMS	STEEL
44	SASH CORNER KEY	ABS COMPOUND
46	GLAZING TAPE .094" x 265" BUTYL TAPE	-
60	FRAME MEMBER (2.97" x 1.327")	LVL
61	SIDE STOP (2.157" x .670")	WOOD
62	RAIL / STILE (1.47" x 1.051")	WOOD
63	FRAME / SASH CLADDING (3.065" x 1.5") (6063 -T6)	ALUMINUM
150	1-1/2" INTERIOR COLONIAL MDL BAR	WOOD
151	1-1/2" EXTERIOR MDL BAR (6063-T6)	ALUMINUM
152	1-1/2" MDL ADHESIVE TAPE (EXTERIOR TAPE)	POLYETHYLENE
153	1-1/2" MDL ADHESIVE TAPE (INTERIOR TAPE)	POLYETHYLENE
154	1-1/8" INTERIOR COLONIAL MDL BAR	WOOD
155	1-1/8" EXTERIOR MDL BAR (6063-T6)	ALUMINUM
156	1-1/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	POLYETHYLENE
157	1-1/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	POLYETHYLENE
158	7/8" INTERIOR COLONIAL MDL BAR	WOOD
159	7/8" EXTERIOR MDL BAR (6063-T6)	ALUMINUM
160	7/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	POLYETHYLENE
161	7/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	POLYETHYLENE



H1 GLAZING DETAIL



OPTIONAL MUNTIN BAR ATTACHMENT TO GLASS

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*Wendell W. Hgney* 9-5-08  
 Wendell W. Hgney, P.E., No. 54158

PRODUCT: SERIES 00 AXIOM CLAD FIXED CASEMENT WINDOW "IMPACT"  
 PART OR ASSEMBLY: BILL OF MATERIALS & GLAZING DETAILS

NO.	DATE	BY	REVISIONS

DATE: 5/15/08  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: WWH  
 DRAWING NO.: FL-8557.5  
 SHEET 9 OF 9

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