THIS CHART IS FOR MAX. ANCHOR SPACING OF 15 1/2" ACROSS HEAD & SILL, AND 15 1/2" ALONG JAMBS.

Window. Width.	Window Height	Number of Anchors Across Head & Sill	Number of Anchors Across Jambs	Design Pressure Neg.	Design Pressure Pos.
24.000	24.000	2	2	-50.00	+50.00
24.000	36.000	2	3	-50.00	+50.00
24.000	48.000	2	4	-50.00	+50.00
24.000	60.000	2	5	-50.00	+50.00
24.000	62.000	2	5	-50.00	+50.00
36.000	24.000	3	2	-50.00	+50.00
36.000	36.000	3	3	-50.00	+50.00
36.000	48.000	3	4	-50.00	+50.00
36.000	60.000	3	5	-50.00	+50.00
36.000	62.000	3	5	-50.00	+50.00
48.000	24.000	4	2	-50.00	+50.00
48.000	36.000	4	3	-50.00	+50.00
48.000	48.000	4	4	-50.00	+50.00
48.000	60.000	4	5	-50.00	+50.00
48.000	62.000	4	5	-50.00	+50.00
60.000	24.000	5	2	-50.00	+50.00
60.000	36.000	5	3	-50.00	+50.00
60.000	48.000	5	4	-50.00	+50.00
60.000	60.000	5	5	-50.00	+50.00
60.000	62.000	5	5	-50.00	+50.00
72.000	24.000	5	2	-50.00	+50.00
72.000	36.000	5	3	-50.00	+50.00
72.000	48.000	5	4	-50.00	+50.00
72.000	60.000	5	5	-50.00	+50.00
72.000	62.000	5	5	-50.00	+50.00
74.000	24.000	5	2	-50.00	+50.00
74.000	36.000	5	3	-50.00	+50.00
74.000	48.000	5	4	-50.00	+50.00
74.000	60.000	5	5	-50.00	+50.00
74.000	62.000	5	5	-50.00	+50.00

NOTES ON COMPARATIVE ANALYSIS & ANCHOR CALCULATIONS:

(1) CALCULATIONS DERIVED FROM TESTED UNIT, TEST REPORT # CTLA-879W-1.

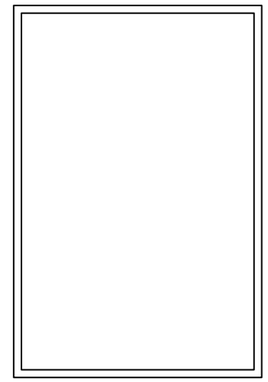
(2) TESTED UNIT WAS "O", 74" x 62", USING 9/16" (1/4" HS-0.090 PVB-1/4" HS) HEAT STRENGTHENED LAMINATED GLASS.

(3) NEGATIVE DESIGN LOADS BASED ON COMPARATIVE ANALYSIS (psf) & GLASS CHART FROM ASTM E-1300.

(4) POSITIVE DESIGN LOADS BASED ON COMPARATIVE ANALYSIS (psf) &MAX. WATER TEST PRESSURE.

(5) THE QUANTITY OF ANCHORS ARE FOR EACH SIDE, NOT TOTAL QUANTITY.

(6) THESE DESIGN PRESSURES ALLOW THE USE OF 9/16" HEAT STRENGTHENED LAMINATED GLASS (SINGLE GLAZED).



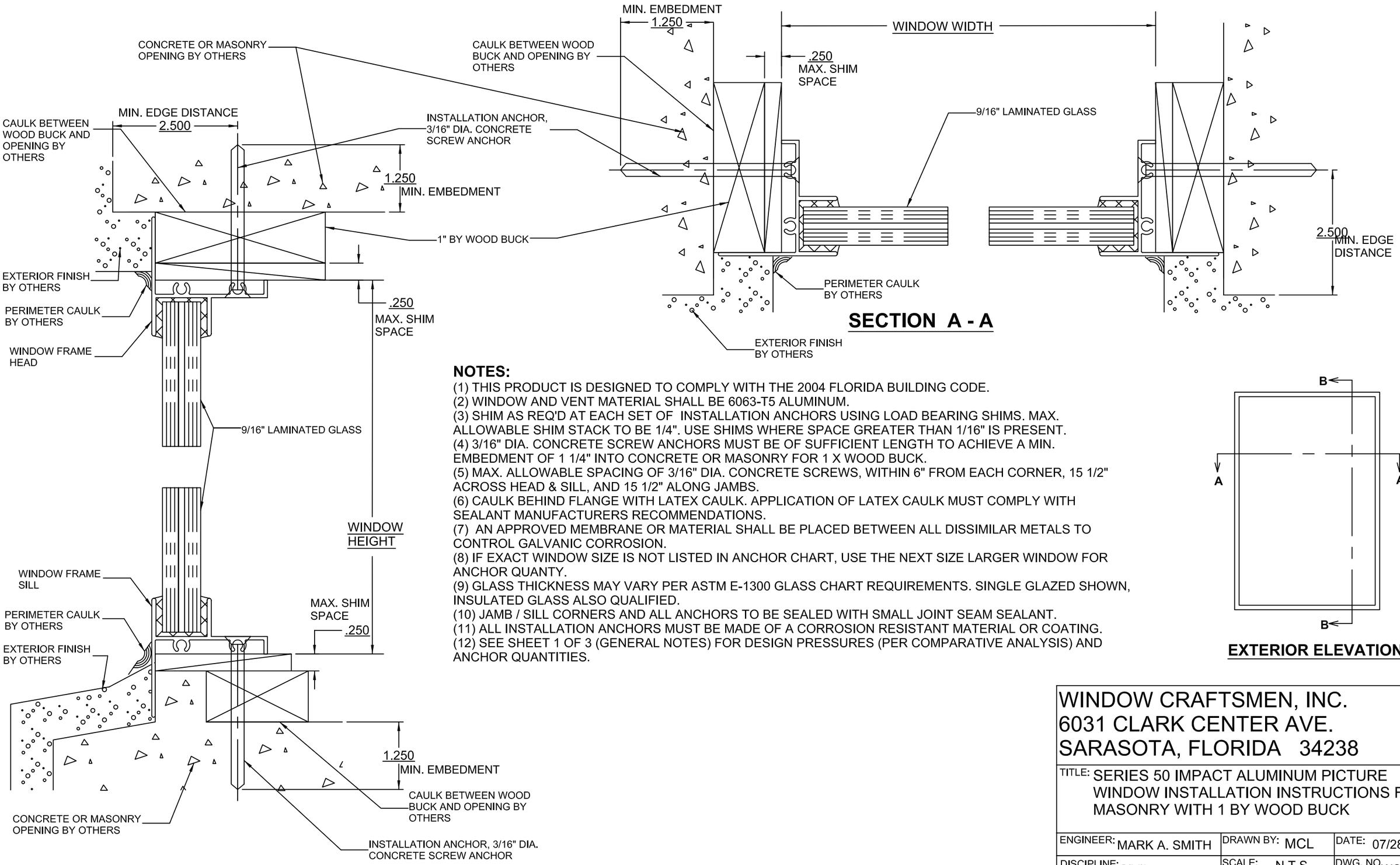
EXTERIOR ELEVATION

WINDOW CRAFTSMEN, INC.
6031 CLARK CENTER AVE.
SARASOTA, FLORIDA 34238

TITLE: SERIES 50 IMPACT ALUMINUM PICTURE WINDOW GENERAL NOTES FOR INSTALLATION INSTRUCTIONS (9/16" HEAT STRENGTHENED LAMINATED GLASS)

ENGINEER: MARK A. SMITH	DRAWN BY: MCL	DATE: 07/28/03
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO WCI-016
FL. REG. NO.: 55511	REV. LETTER: A	SHEET 1 OF 3

A	REVISED FOR 2004 BUILDING CODE	1/24/07



SECTION A - A

SECTION B - B

NOTES:

(1) THIS PRODUCT IS DESIGNED TO COMPLY WITH THE 2004 FLORIDA BUILDING CODE.
(2) WINDOW AND VENT MATERIAL SHALL BE 6063-T5 ALUMINUM.
(3) SHIM AS REQ'D AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
(4) 3/16" DIA. CONCRETE SCREW ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 1 1/4" INTO CONCRETE OR MASONRY FOR 1 X WOOD BUCK.
(5) MAX. ALLOWABLE SPACING OF 3/16" DIA. CONCRETE SCREWS, WITHIN 6" FROM EACH CORNER, 15 1/2" ACROSS HEAD & SILL, AND 15 1/2" ALONG JAMBS.
(6) CAULK BEHIND FLANGE WITH LATEX CAULK. APPLICATION OF LATEX CAULK MUST COMPLY WITH SEALANT MANUFACTURERS RECOMMENDATIONS.
(7) AN APPROVED MEMBRANE OR MATERIAL SHALL BE PLACED BETWEEN ALL DISSIMILAR METALS TO CONTROL GALVANIC CORROSION.
(8) IF EXACT WINDOW SIZE IS NOT LISTED IN ANCHOR CHART, USE THE NEXT SIZE LARGER WINDOW FOR ANCHOR QUANTY.
(9) GLASS THICKNESS MAY VARY PER ASTM E-1300 GLASS CHART REQUIREMENTS. SINGLE GLAZED SHOWN, INSULATED GLASS ALSO QUALIFIED.
(10) JAMB / SILL CORNERS AND ALL ANCHORS TO BE SEALED WITH SMALL JOINT SEAM SEALANT.
(11) ALL INSTALLATION ANCHORS MUST BE MADE OF A CORROSION RESISTANT MATERIAL OR COATING.
(12) SEE SHEET 1 OF 3 (GENERAL NOTES) FOR DESIGN PRESSURES (PER COMPARATIVE ANALYSIS) AND ANCHOR QUANTITIES.

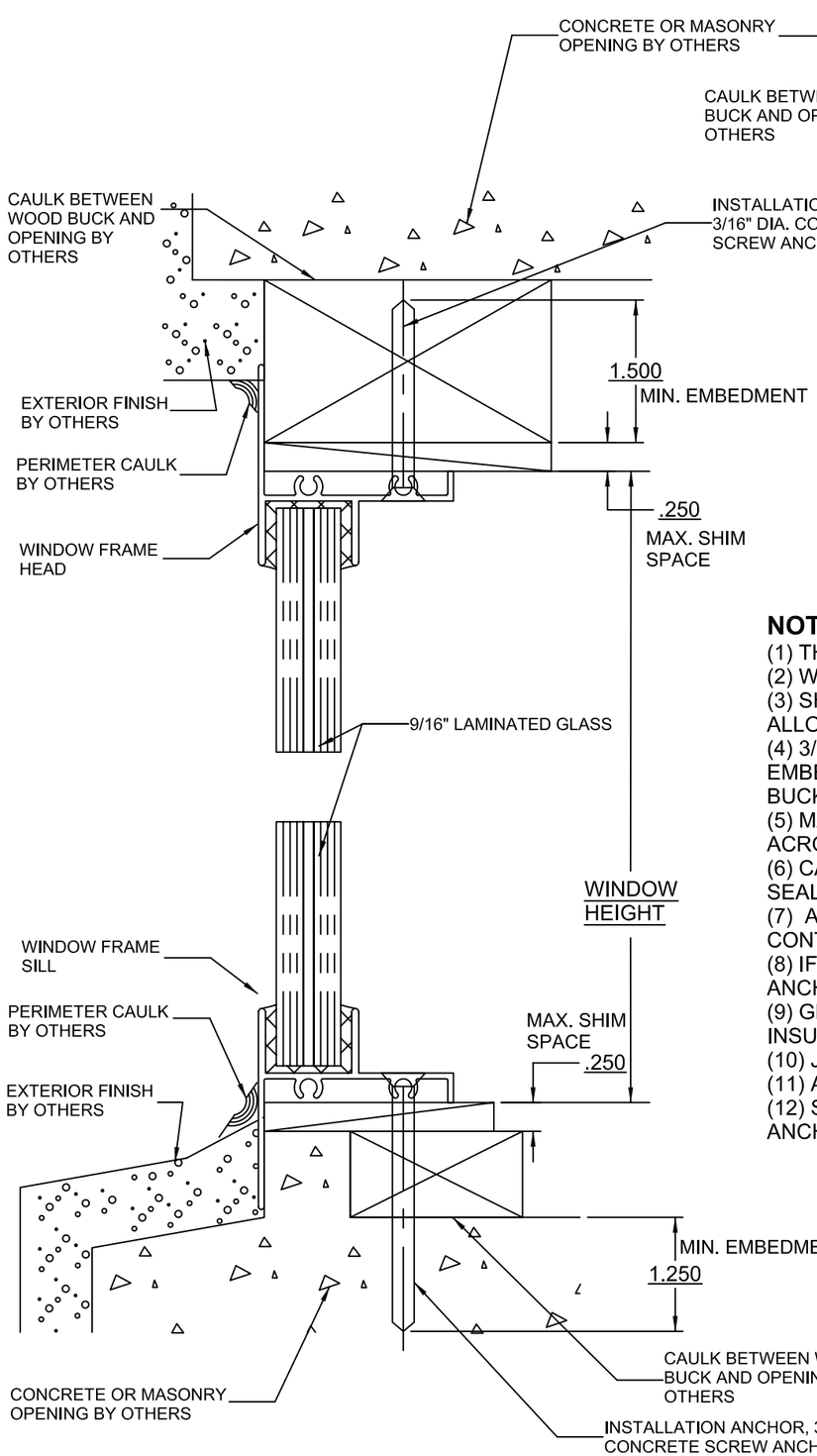
EXTERIOR ELEVATION

A	REVISED FOR 2004 BUILDING CODE	1/24/07

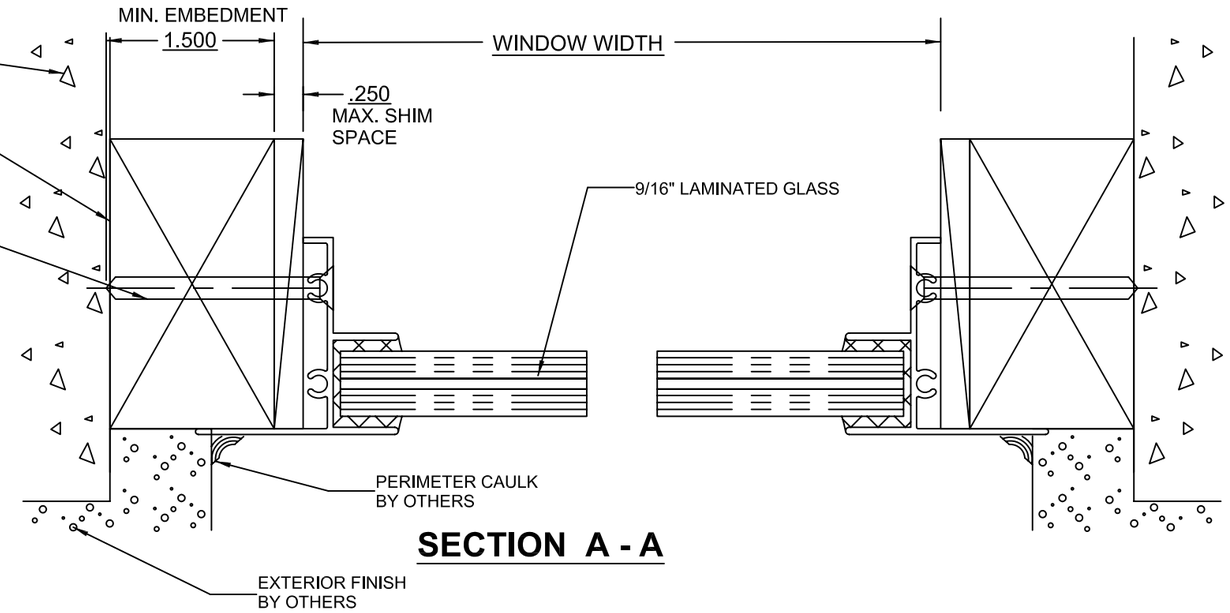
WINDOW CRAFTSMEN, INC.
6031 CLARK CENTER AVE.
SARASOTA, FLORIDA 34238

TITLE: SERIES 50 IMPACT ALUMINUM PICTURE WINDOW INSTALLATION INSTRUCTIONS FOR MASONRY WITH 1 BY WOOD BUCK

ENGINEER: MARK A. SMITH	DRAWN BY: MCL	DATE: 07/28/03
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO WCI-016
FL. REG. NO.: 55511	REV. LETTER: A	SHEET 2 OF 3



SECTION B - B



SECTION A - A

NOTES:

(1) THIS PRODUCT IS DESIGNED TO COMPLY WITH THE 2004 FLORIDA BUILDING CODE.
(2) WINDOW AND VENT MATERIAL SHALL BE 6063-T5 ALUMINUM.
(3) SHIM AS REQ'D AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
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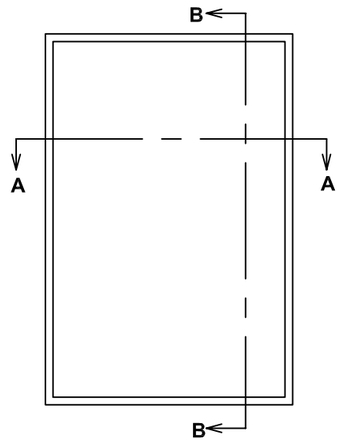

EXTERIOR ELEVATION

A	REVISED FOR 2004 BUILDING CODE	1/24/07

WINDOW CRAFTSMEN, INC.
6031 CLARK CENTER AVE.
SARASOTA, FLORIDA 34238

TITLE: SERIES 50 IMPACT ALUMINUM PICTURE WINDOW INSTALLATION INSTRUCTIONS FOR MASONRY WITH 2 BY WOOD BUCK

ENGINEER: MARK A. SMITH	DRAWN BY: MCL	DATE: 07/28/03
DISCIPLINE: CIVIL	SCALE: N.T.S.	DWG. NO WCI-016
FL. REG. NO.: 55511	REV. LETTER: A	SHEET 3 OF 3