



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Kolbe & Kolbe Millwork Company
1323 South Eleventh Avenue
Wausau, WI 54403

Your application for Notice of Acceptance (NOA) of:

"Magnum" Wood Double Hung Window

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 00-0524.04
EXPIRES: 09/04/2003

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 09/07/2000

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** the Notice of Acceptance No. 96-0502.02, which was issued on September 04, 1997. This approves a wood double hung window, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

The "**Magnum**" **Wood Double Hung Window** and its components shall be constructed in strict compliance with the following document: Drawing No. **MD1-WOOD**, titled "Wood Magnum Double Hung", Sheets 1 thru 5 of 5, sheet 1 dated 08/27/97, sheet 2 & 5 on 08/26/97, sheet 3 on 08/25/97, and sheet 4 on 08/28/97, signed and sealed by Kenneth Wilcox, P.E., bearing the Miami-Dade /County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications of a wood double hung window, as shown in the approved drawings.
3.2 For Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in approved drawings.

4. INSTALLATION:

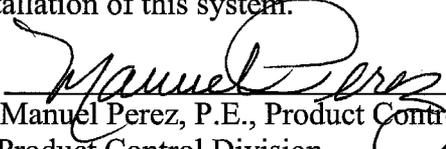
4.1 The wood double hung window and its components shall be constructed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

5. LABELING

5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

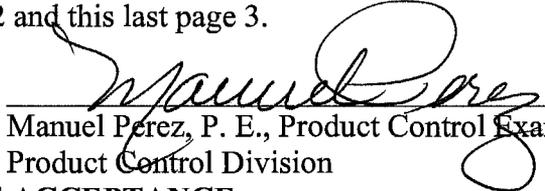
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by two copies of the following:
6.1.1 This Notice of Acceptance.
6.1.2 Duplicate copies of the approved drawings, as identified in section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E., Product Control Examiner
Product Control Division

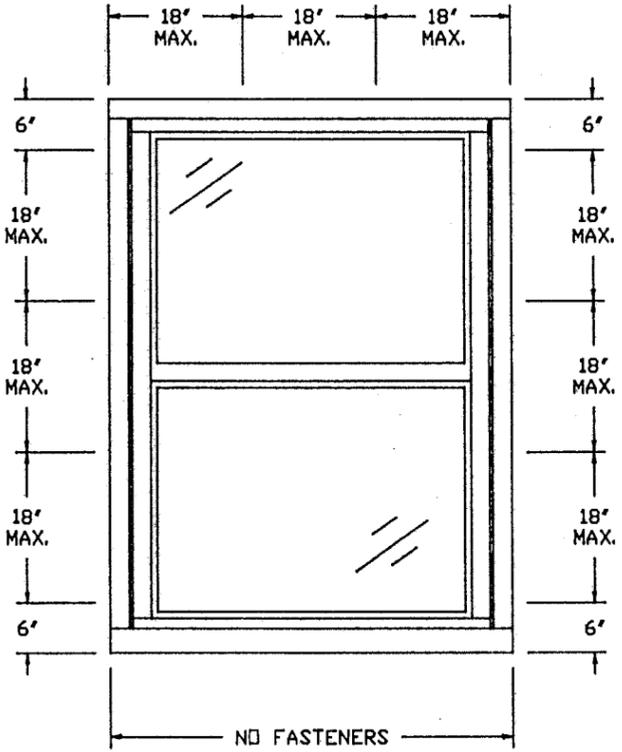
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.


Manuel Perez, P. E., Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

INSTALLATION FASTENERS SCHEDULE FOR ANY UNIT ≤ 50.12' W X 65.08' H BOX FRAME SIZE
<p>K & K MASONRY CLIPS INSTALLED WITH (2) #8 X 3/4" SCREWS INTO FRAME, AND (2) #8 X 2 1/2" SCREWS INTO BUCK.</p> <p>ALONG HEAD - (2) K & K MASONRY CLIPS ≤ 23' O.C.</p> <p>ALONG SILL - NO FASTENERS REQUIRED.</p> <p>ALONG SIDE JAMBS - (4) K & K MASONRY CLIPS PER JAMB: 1 @ ≤ 6' FROM HEAD, 1 @ ≤ 10' ABOVE CHECKRAILS, 1 @ ≤ 10' BELOW CHECKRAILS, 1 @ ≤ 7' FROM SILL.</p>
<p>#10 X 2 1/2" SCREWS THROUGH FRAME INTO BUCK.</p> <p>ALONG HEAD - (2) SCREWS THROUGH FRAME ≤ 23' O.C.</p> <p>ALONG SILL - NO FASTENERS REQUIRED.</p> <p>ALONG SIDE JAMBS - (4) SCREWS THROUGH FRAME PER JAMB: 1 @ ≤ 6' FROM HEAD, 1 @ ≤ 10' ABOVE CHECKRAILS, 1 @ ≤ 10' BELOW CHECKRAILS, 1 @ ≤ 7' FROM SILL.</p>



WINDOW ELEVATION
WITH INSTALLATION FASTENERS

(REF. DRAWING MD1-WOOD, SHEET
NO. 2 / 5 FOR CLIP DIAGRAMS)

- GLAZING OPTIONS:**
- #1 .187" MONOLITHIC, ANNEALED GLASS.
 - #2 .117" MONOLITHIC HEAT STRENGTHENED.
 - #3 7/8" INSULATING GLASS.
(TWO .177" ANNEALED SHEETS)

DESCRIPTION - INSTALL. FASTENERS & GLAZING METHODS	
SUBJECT - WOOD MAGNUM DOUBLE HUNG	
REVISED - NONE	
DRAWN BY - DGH	DRAWING NUMBER - MD1-WOOD
DATE DRAWN - 8-27-97	SHEET NUMBER - 1 / 5

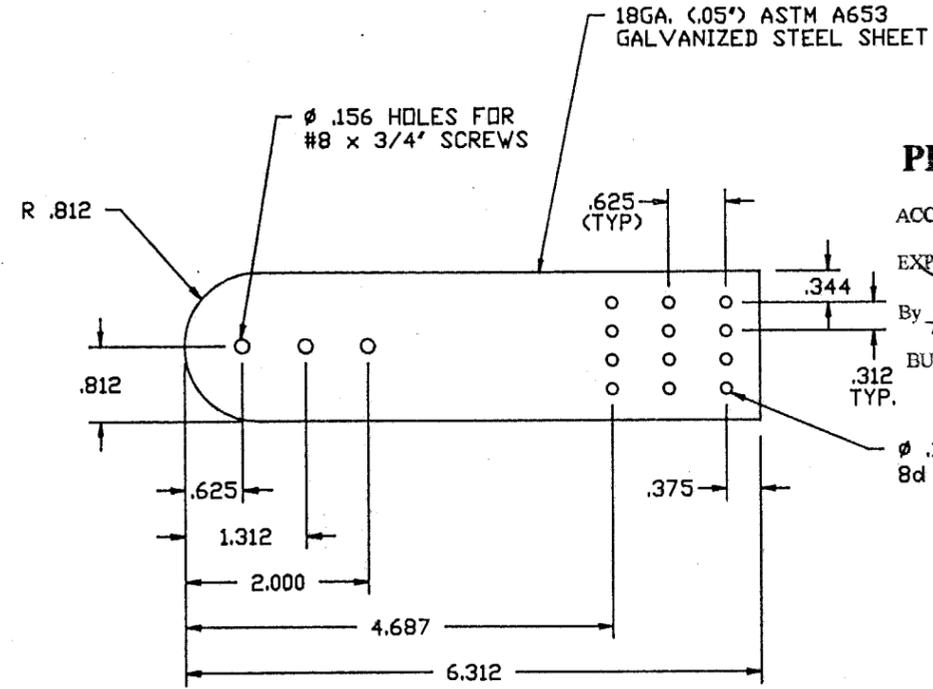
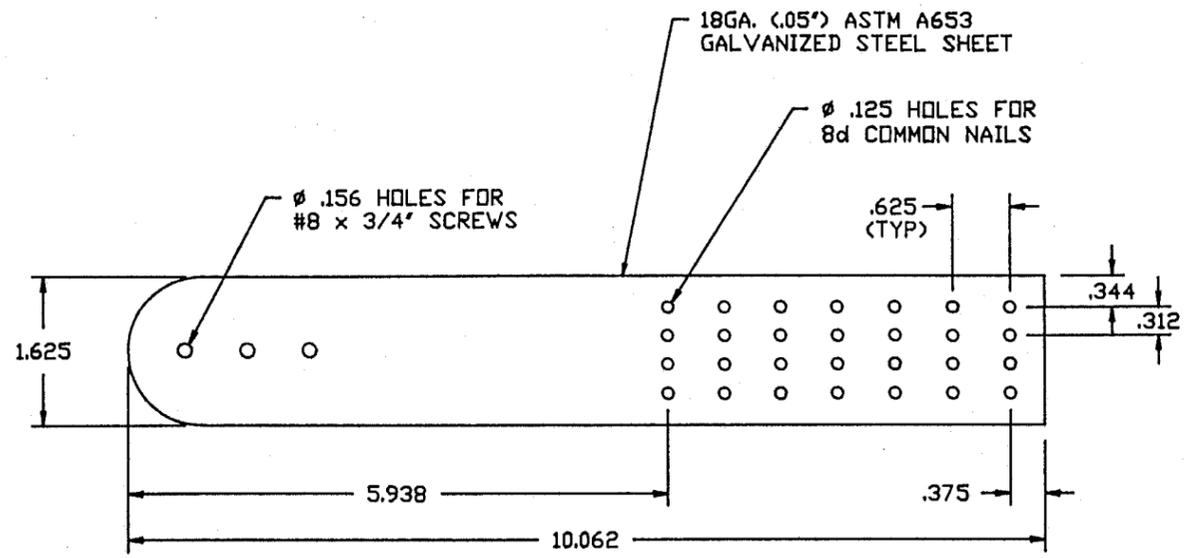
PRODUCT RENEWED

ACCEPTANCE No. 00-0524.04
EXPIRATION DATE September 4, 2003
By Maurice [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEPTEMBER 4 1997
BY Maurice [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0502.04

KENNETH WILCOX P.E.
(B.S. - CIVIL) 39023
Kenneth Wilcox
Sept 2, 1997

KOLBE & KOLBE
MILLWORK CO., INC.
1323 S. ELEVENTH AVE.
WAUSAU, WI. 54401
(715) 842-5666



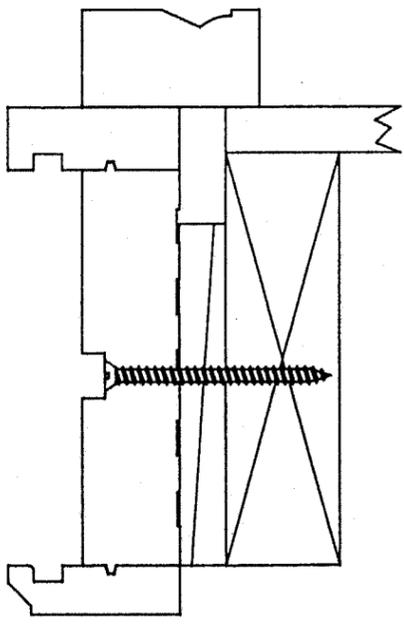
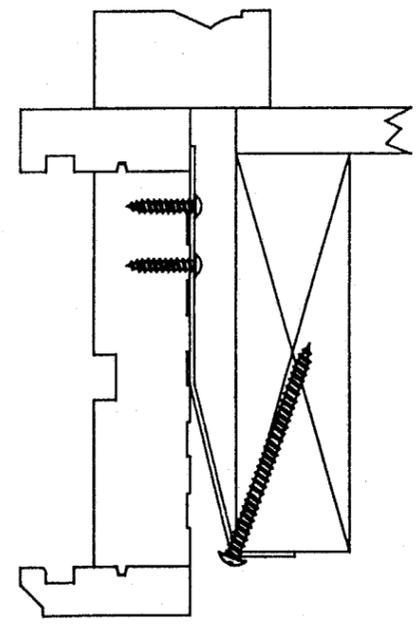
PRODUCT RENEWED

ACCEPTANCE No. 00-0524-04
 EXPIRATION DATE 09-04-2003
 By Maunel Cruz
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE SEPTEMBER 4 1997
 BY Maunel Cruz
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 96-0502-04

EXTERIOR

EXTERIOR



INTERIOR

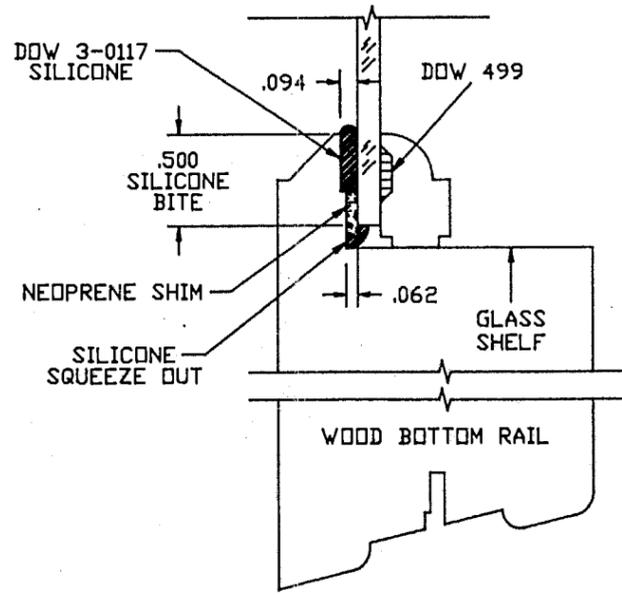
INTERIOR

ANCHOR OPTION #1

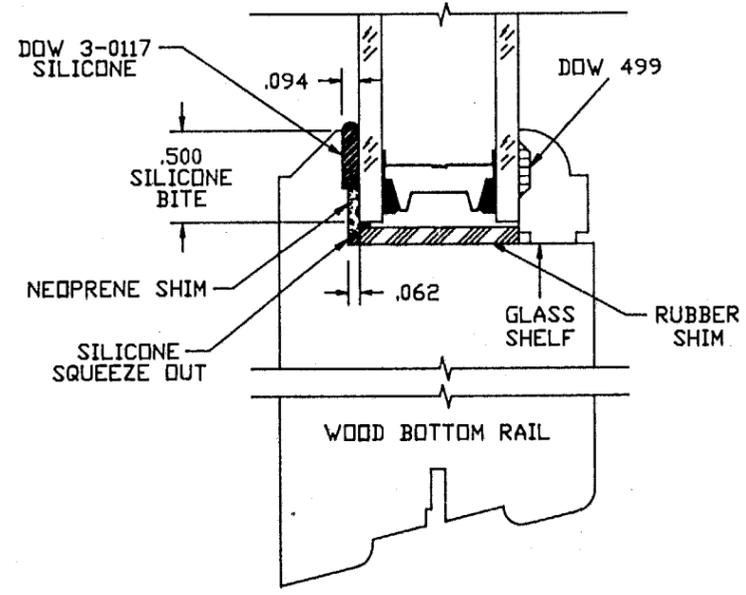
K & K MASONRY CLIPS
 W/(2) #8 X 3/4" SCREWS INTO WINDOW
 & (2) #8 X 2 1/2" SCREWS INTO BUCK

ANCHOR OPTION #2

#10 X 2 1/2" FLAT HEAD
 ZINC PLATED STEEL SCREWS



GLAZING OPTIONS #1 & #2
 MONO-TEMPERED GLASS
 (STANDARD GLASS)



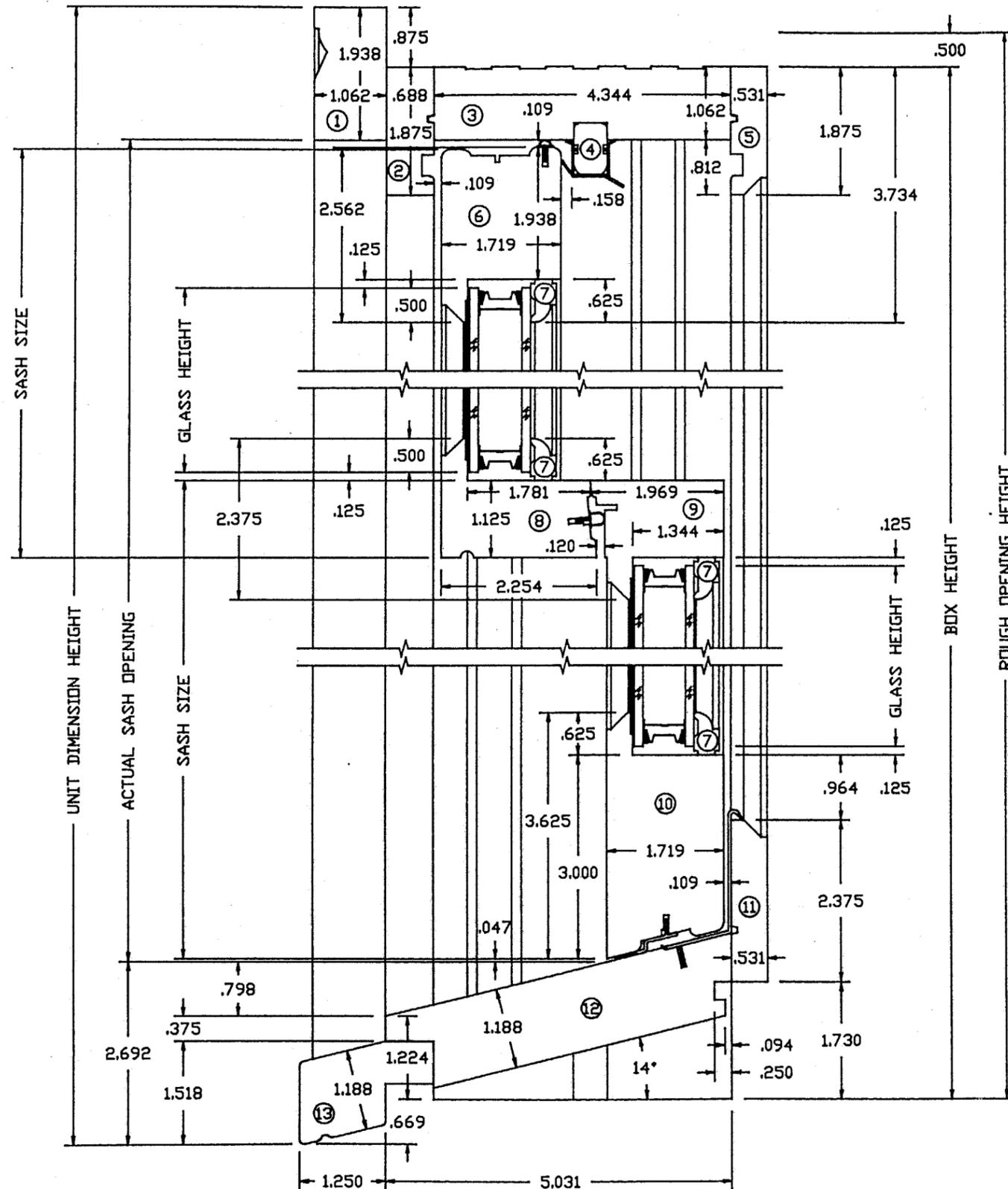
GLAZING OPTION #3
 7/8" INSUL. GLASS

DESCRIPTION - INSTALLATION FASTENER DIAGRAMS	
SUBJECT - WOOD MAGNUM DOUBLE HUNG	
REVISED - NONE	
DRAWN BY - DGH	DRAWING NUMBER - MD1-WOOD
DATE DRAWN - 8-26-97	SHEET NUMBER - 2 / 5

KENNETH WILCOX P.E.
 (B.S. - CIVIL) 39023
Kenneth Wilcox
 Sept 2, 1997

KOLBE & KOLBE
 MILLWORK CO., INC.
 1323 S. ELEVENTH AVE.
 WAUSAU, WI. 54401
 (715) 842-5666

VERTICAL CROSS SECTION



PRODUCT RENEWED

ACCEPTANCE No. 00-0524-04

EXPIRATION DATE September 04, 2003

By Manuel Sosa
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 MATERIAL

MATERIAL LIST

ITEM NO.	DWG. NO.	DESCRIPTION	MATERIAL
1	MD2-105	BRICKMOULD	WESTERN WOODS (PONDEROSA PINE)
2	MD2-103	BLIND STOP	WESTERN WOODS (PONDEROSA PINE)
3	MD2-101	HEAD FRAME	WESTERN WOODS (PONDEROSA PINE)
4	MD2-203	PARTING STOP	WESTERN WOODS (PONDEROSA PINE)
5	MD2-104	HEAD EXTENSION JAMB	WESTERN WOODS (PONDEROSA PINE)
6	MD3-201	TOP SASH RAIL	WESTERN WOODS (PONDEROSA PINE)
7	MD3-103	GLAZING BEAD	WESTERN WOODS (PONDEROSA PINE)
8	MD3-203	TOP CHECK RAIL	WESTERN WOODS (PONDEROSA PINE)
9	MD3-204	BOTTOM CHECK RAIL	WESTERN WOODS (PONDEROSA PINE)
10	MD3-202	SASH SILL RAIL	WESTERN WOODS (PONDEROSA PINE)
11	MD2-206	SILL EXTENSION JAMB	WESTERN WOODS (PONDEROSA PINE)
12	MD2-201	SILL FRAME	WESTERN WOODS (PONDEROSA PINE)
13	MD2-204	SILL NOSING	WESTERN WOODS (PONDEROSA PINE)

WINDOW DIMENSIONS

BOX HEIGHT	DAYLIGHT OPENING	GLASS SIZE	TOP SASH SIZE	BOTTOM SASH SIZE	SASH OPENING	FRAME O.S.M.
39.080	13.638	14.638	17.950	19.013	35.995	39.080
41.080	14.638	15.638	18.950	20.013	37.995	41.080
43.080	15.638	16.638	19.950	21.013	39.995	43.080
45.080	16.638	17.638	20.950	22.013	41.995	45.080
47.080	17.638	18.638	21.950	23.013	43.995	47.080
49.080	18.638	19.638	22.950	24.013	45.995	49.080
51.080	19.638	20.638	23.950	25.013	47.995	51.080
53.080	20.638	21.638	24.950	26.013	49.995	53.080
55.080	21.638	22.638	25.950	27.013	51.995	55.080
57.080	22.638	23.638	26.950	28.013	53.995	57.080
59.080	23.638	24.638	27.950	29.013	55.995	59.080
61.080	24.638	25.638	28.950	30.013	57.995	61.080
63.080	25.638	26.638	29.950	31.013	59.995	63.080
65.080	26.638	27.638	30.950	32.013	61.995	65.080

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE SEPTEMBER 4, 1997
 BY Manuel Sosa
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 96-0502-04

KENNETH WILCOX P.E.
 (CIVIL) 39023

Kenneth Wilcox
 Sept 2, 1997

DESCRIPTION - VERTICAL CROSS SECTION

SUBJECT - WOOD MAGNUM DOUBLE HUNG

REVISED - NONE

DRAWN BY - DGH

DRAWING NUMBER - MD1-WOOD

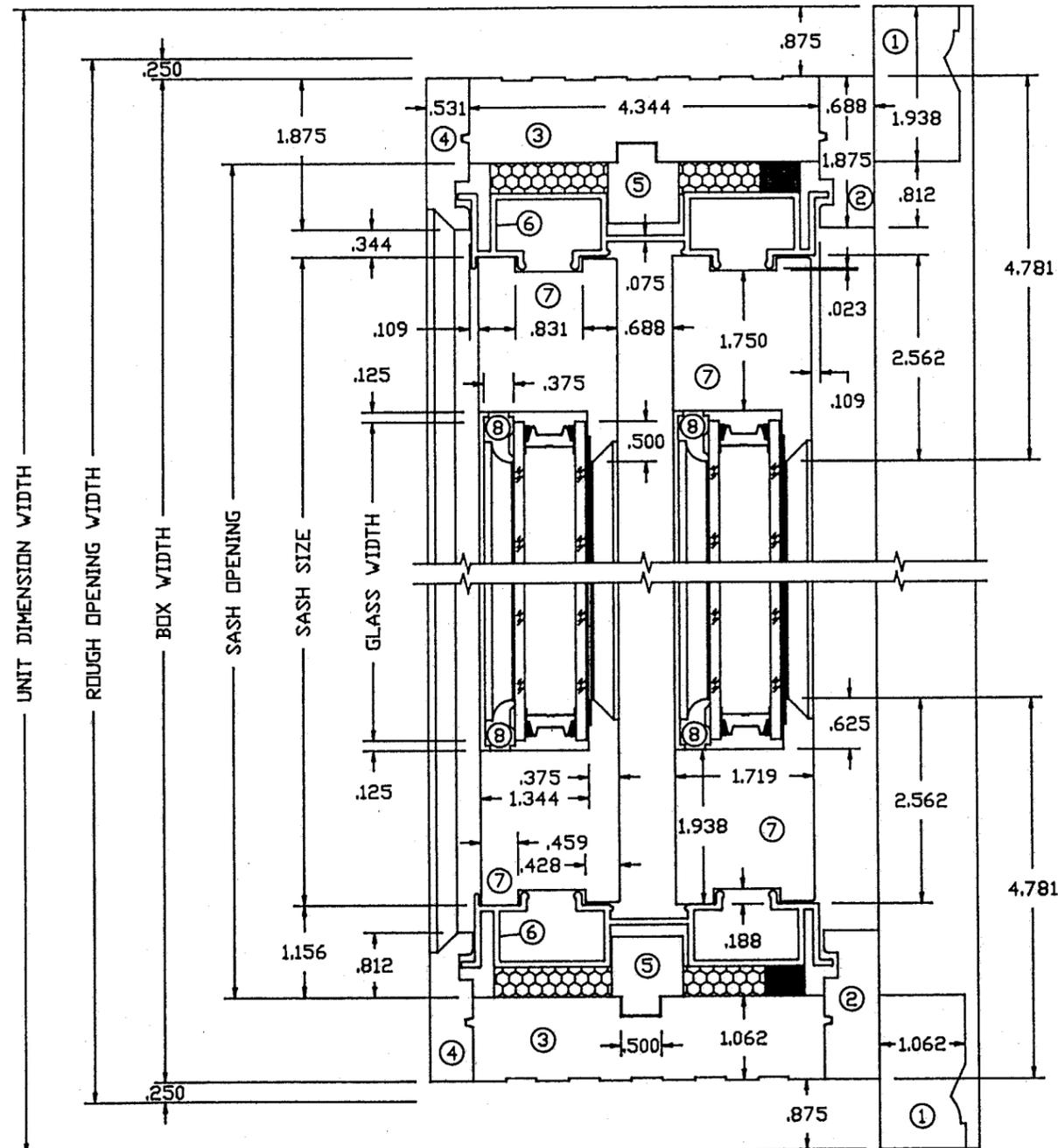
DATE DRAWN - 8-25-97

SHEET NUMBER - 3 / 5

KOLBE & KOLBE
 MILLWORK CO., INC.
 1323 S. ELEVENTH AVE.
 WAUSAU, WI. 54401
 (715) 842-5666

HORIZONTAL CROSS SECTION

(ROTATED 90°)



MATERIAL LIST

ITEM NO.	DWG. NO.	DESCRIPTION	MATERIAL
1	MD2-105	BRICKMOULD	WESTERN WOODS (PONDEROSA PINE)
2	MD2-103	BLIND STOP	WESTERN WOODS (PONDEROSA PINE)
3	MD2-101	SIDE JAMB FRAME	WESTERN WOODS (PONDEROSA PINE)
4	MD2-104	SIDE EXTENSION JAMB	WESTERN WOODS (PONDEROSA PINE)
5	MD2-302	JAMBLINER BLOCK	WESTERN WOODS (PONDEROSA PINE)
6	MD8-301	JAMBLINER	RIGID PVC
7	MD3-301	SASH STILES	WESTERN WOODS (PONDEROSA PINE)
8	MD3-103	GLAZING BEAD	WESTERN WOODS (PONDEROSA PINE)

PRODUCT RENEWED

ACCEPTANCE No. 00-0524.04
 EXPIRATION DATE September 04, 2003
 By Maunel [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

WINDOW DIMENSIONS

BOX WIDTH	DAYLIGHT OPENING	GLASS SIZE	SASH SIZE	SASH OPENING	FRAME D.S.M.
26 1/8	16 9/16	17 9/16	21 11/16	24	26 1/8
28 1/8	18 9/16	19 9/16	23 11/16	26	28 1/8
30 1/8	20 9/16	21 9/16	25 11/16	28	30 1/8
32 1/8	22 9/16	23 9/16	27 11/16	30	32 1/8
34 1/8	24 9/16	25 9/16	29 11/16	32	34 1/8
36 1/8	26 9/16	27 9/16	31 11/16	34	36 1/8
38 1/8	28 9/16	29 9/16	33 11/16	36	38 1/8
40 1/8	30 9/16	31 9/16	35 11/16	38	40 1/8
42 1/8	32 9/16	33 9/16	37 11/16	40	42 1/8
44 1/8	34 9/16	35 9/16	39 11/16	42	44 1/8
46 1/8	36 9/16	37 9/16	41 11/16	44	46 1/8
48 1/8	38 9/16	39 9/16	43 11/16	46	48 1/8
50 1/8	40 9/16	41 9/16	45 11/16	48	50 1/8

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE SEPTEMBER 4 1997
 BY Maunel [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 96-0502.04

KENNETH WILCOX P.E.
 (CIVIL) 39023

Kenneth Wilcox
Sept 2, 1997

DESCRIPTION - HORIZONTAL CROSS SECTION

SUBJECT - WOOD MAGNUM DOUBLE HUNG

REVISED - NONE

DRAWN BY - DGH

DATE DRAWN - 8-28-97

DRAWING NUMBER - MD1-WOOD

SHEET NUMBER - 4 / 5

KOLBE & KOLBE
 MILLWORK CO., INC.
 1323 S. ELEVENTH AVE.
 WAUSAU, WI. 54401
 (715) 842-5666

**COMPARATIVE ANALYSIS - WOOD MAGNUM DOUBLE HUNG
NEGATIVE DESIGN LOADS**

TABLE 1 - 'TYPE OF WINDOWS' - DESIGN LOADS, BASED ON COMPARATIVE ANALYSIS WITH 'TYPE OF GLASS' - PSF
(POSITIVE IS LIMITED TO +65 PSF DUE TO WATER TEST)

BOX HEIGHT	BOX WIDTH	26 1/8	28 1/8	30 1/8	32 1/8	34 1/8	36 1/8	38 1/8	40 1/8	42 1/8	44 1/8	46 1/8	48 1/8	50 1/8
		GLASS SIZE	17 9/16	19 9/16	21 9/16	23 9/16	25 9/16	27 9/16	29 9/16	31 9/16	33 9/16	35 9/16	37 9/16	39 9/16
39.080	14.638	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	97.42	92.11
41.080	15.638	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	93.65	88.47
43.080	16.638	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	95.98	85.22
45.080	17.638	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	92.88	87.28
47.080	18.638	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	96.38	90.10	84.59
49.080	19.638	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	93.82	87.61	82.17
51.080	20.638	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	98.54	91.54	85.37	79.98	75.24
53.080	21.638	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	94.83	89.49	83.36	78.02	73.31
55.080	22.638	99.00	99.00	99.00	99.00	99.00	99.00	99.00	95.94	91.39	87.24	81.55	76.24	71.57
57.080	23.638	99.00	99.00	99.00	99.00	99.00	99.00	97.44	92.58	88.18	84.19	79.92	74.63	69.99
59.080	24.638	99.00	99.00	99.00	99.00	99.00	99.00	94.14	89.45	85.20	81.34	77.81	73.18	68.56
61.080	25.638	99.00	99.00	99.00	99.00	99.00	96.10	91.06	86.52	82.41	78.67	75.26	71.86	67.26
63.080	26.638	99.00	99.00	99.00	99.00	98.51	93.05	88.17	83.77	79.80	76.18	72.88	69.85	66.07
65.080	27.638	99.00	99.00	99.00	99.00	95.48	90.19	85.46	81.20	77.34	73.84	70.64	67.70	65.00

PRODUCT RENEWED
ACCEPTANCE No. 00-0524.04
EXPIRATION DATE September 04, 2003
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEPTEMBER 4, 1997
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0502.04

HARDWARE			
QUANT.	DESCRIPTION	LOCATION	DWG. NO.
1 OR 2	SASH LOCK 1 LOCK ON SASH WIDTH ≤ 26" 2 LOCKS ON SASH > 26"	CHECKRAIL	MD8-418
2	'H' CLIP, POLYCARBONATE	NEAR CHECKRAIL, ONE AT EACH STILE OF BOTTOM SASH	MD8-414
2	TOP SASH FORK, ALUMINUM	IN JAMBLINE AT CHECKRAIL	MD8-413
2	BOTTOM SASH FORK, ALUMINUM	IN JAMBLINE AT CHECKRAIL	MD8-415
2	PVC JAMBLINERS W/ BALANCES	SIDE JAMB FRAME	MD8-301
4	SASH PIVOTS	ONE ON EACH SIDE OF ALL STILES NEAR BOTTOM OF SASH	MD8-412

WEATHERSTRIPPING			
QUANT.	DESCRIPTION	LOCATION	DWG. NO.
2	HIGH BULB WEATHERSTRIP	TOP RAIL & CHECKRAIL OF TOP SASH	MD8-204
1	SILL WEATHERSTRIP	BOTTOM RAIL	MD8-208
1	WATER SEAL	SILL FRAME	MD8-209
2	HEAD PADS	TOP OF JAMBLINERS	MD8-405
2	CHECKRAIL PADS	ON JAMBLINER AT CHKRAIL	MD8-410
2	SILL PADS	BOTTOM OF JAMBLINERS	MD8-406
1	PARTING STOP WEATHERSTRIP	HEAD FRAME	MD8-206

DESCRIPTION - COMPARATIVE ANALYSIS CHARTS	
SUBJECT - WOOD MAGNUM DOUBLE HUNG	
REVISED - NONE	
DRAWN BY - DGH	DRAWING NUMBER - MD1-WOOD
DATE DRAWN - 8-26-97	SHEET NUMBER - 5 / 5

KENNETH WILCOX P.E.
(CIVIL) 39023

Kenneth Wilcox
Sept 2, 1997

KOLBE & KOLBE
MILLWORK CO., INC.
1323 S. ELEVENTH AVE.
WAUSAU, WI, 54401
(715) 842-5666