



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

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

**NOTICE OF ACCEPTANCE (NOA)**

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**Kolbe & Kolbe Millwork Co., Inc.  
1323 South 11<sup>th</sup> Ave.  
Wausau, WI 54401**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series “Heritage Manor” Transom Wood Fixed Window**

**APPROVAL DOCUMENT:** Drawing No. 1059, titled “Wood Manor Door Transom Non-Impact Window”, sheets 1 through 4 of 4, dated 11/8/01, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren Schaefer, 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.

**MISSILE IMPACT RATING: None**

**LABELING:** 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", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA 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 NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

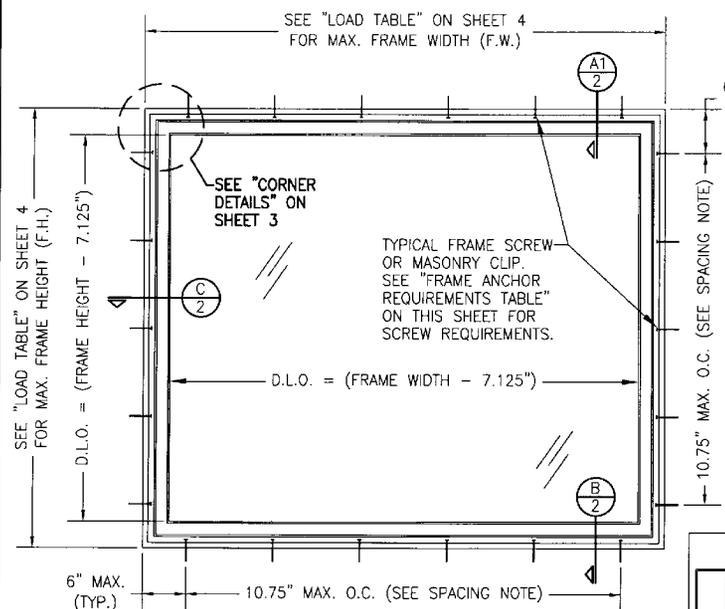
This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No 02-0614.06  
Expiration Date: October 24, 2007  
Approval Date: October 24, 2002  
Page 1**

NOTE: BRICK MOLDS MAY BE PLACED AT EXTERIOR & ARE OPTIONAL (NOT SHOWN)



**EXTERIOR ELEVATION  
RECTANGULAR WINDOW**  
SCALE: 3/4"=1'-0"

**ALLOWABLE DESIGN LOADS**  
SEE LOAD TABLE ON SHEET 4

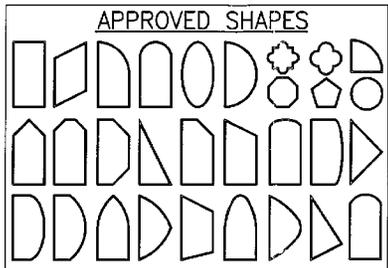
**\* FRAME ANCHOR REQUIREMENTS TABLE**

OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 3/8"	1"
CMU/CONCRETE	(1) 3/16" CONCRETE SCREWS	1 1/4"	2"

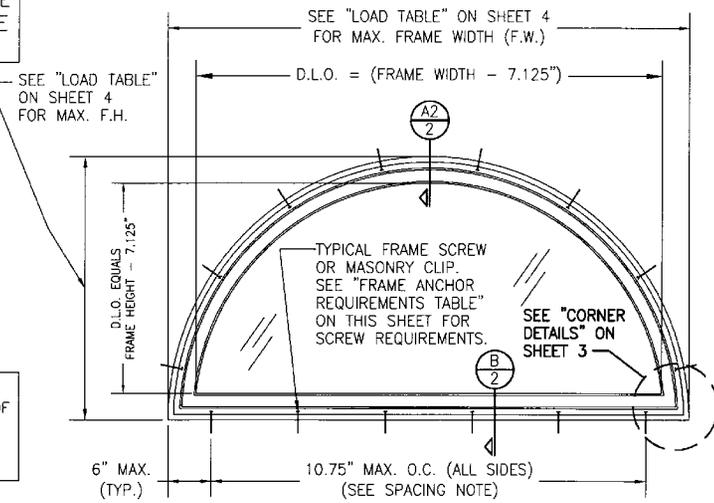
(1) CONCRETE SCREWS SHALL BE ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

\* ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS WOOD SPACER, OR ANCHORED TO A MIN. 2X4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2X4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 3/16" CONCRETE SCREWS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

**FASTENER SPACING NOTE:**  
WHEN SMALLER FRAME DIMENSION OF WINDOW IS 54" OR LESS, FASTENER SPACING MAY BE INCREASED TO 12" O.C. MAX.



**NOTES:**  
1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE CORNER CONSTRUCTION PER CORNER DETAILS.  
2. ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE RECTANGULAR UNIT.



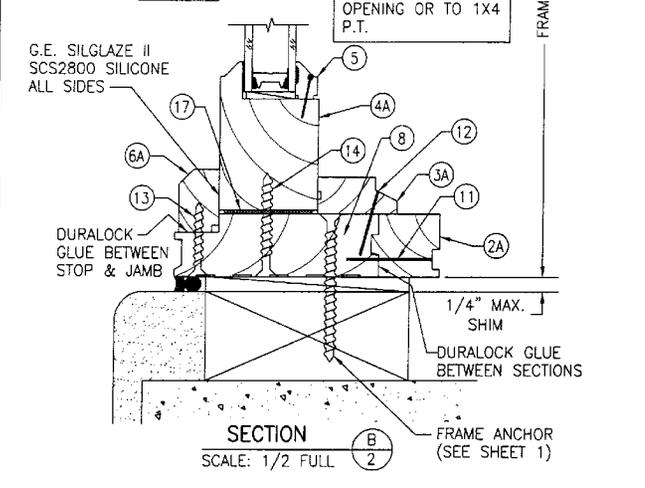
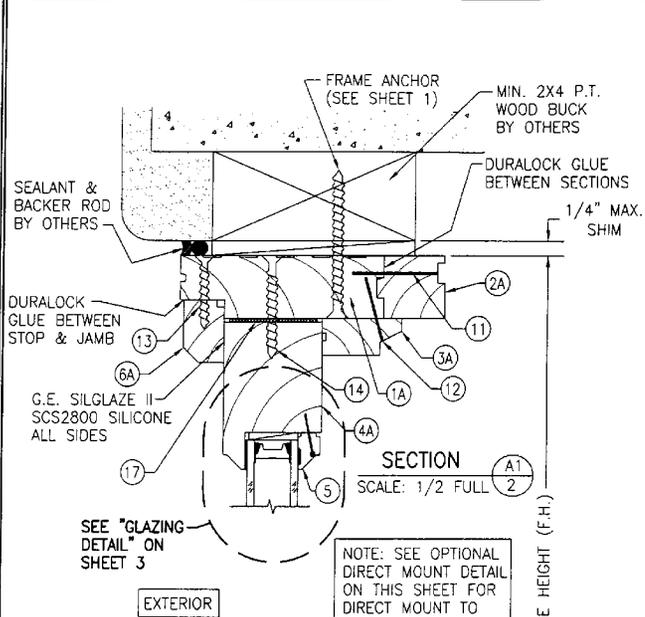
**EXTERIOR ELEVATION  
HALF ROUND WINDOW**  
(OTHER RADIUS/CURVE SHAPES SIMILAR)  
SCALE: 3/4"=1'-0"

**GENERAL NOTES**

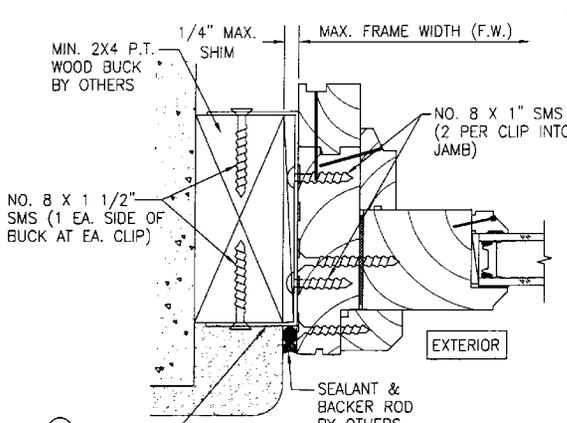
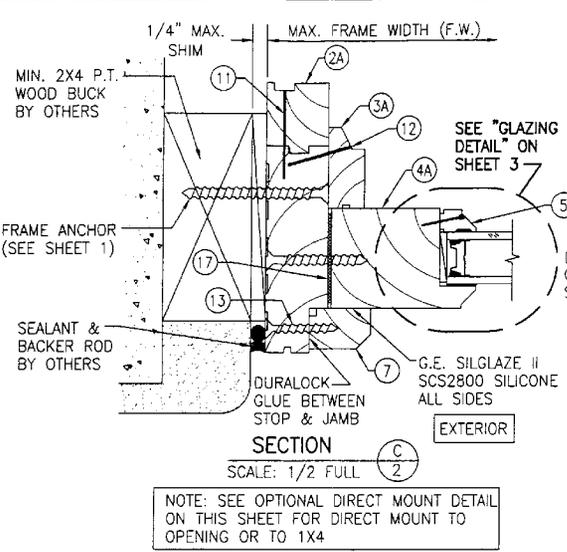
1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE.
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA 201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (F.B.C.).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.

Approved as complying with the  
Florida Building Code  
Date Oct 24 2002  
NOA# 02-061416  
Miami Dade Product Control  
Division  
By Manuel Serrano

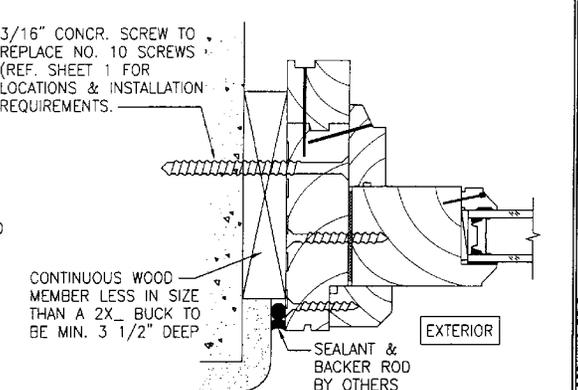
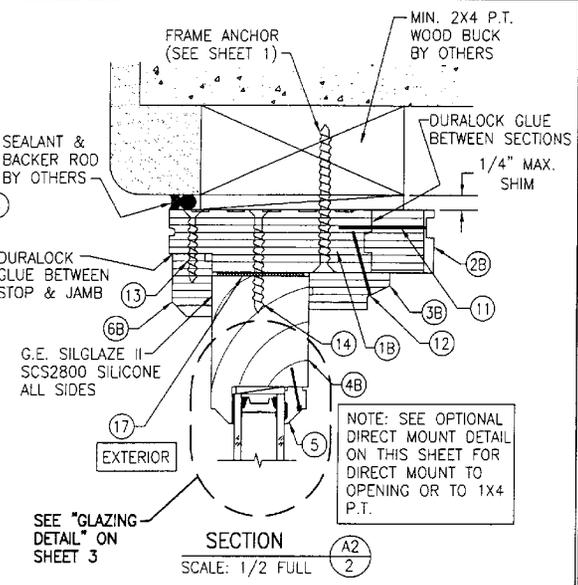
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 11/08/01
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE: <b>WOOD MANOR DOOR TRANSOM NON-IMPACT WINDOW</b>	
MANUFACTURER:	<b>KOLBE &amp; KOLBE MILLWORK CO., INC.</b>
CONSULTANTS:	<b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>
	600 SANDHURST PARK, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4802 FAX: 561-775-4903
REPLICATION:	<b>0 C T O 2 2002</b>
DRAWING NO.:	1059
SHEET NO.:	1 OF 4



NOTE: BRICK MOLDS MAY BE PLACED AT EXTERIOR & ARE OPTIONAL (NOT SHOWN)



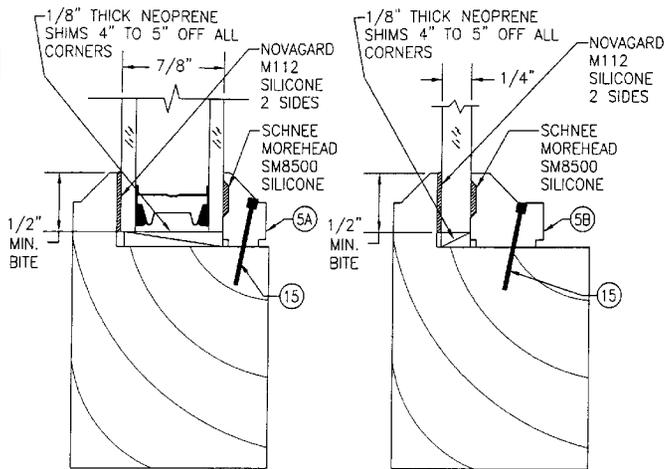
OPTIONAL MASONRY CLIP MOUNT DETAIL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.



OPTIONAL DIRECT MOUNT DETAIL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.

Approved as complying with the Florida Building Code  
Date OCT 02 2002  
NOA# 02-0674-56  
Miami Dade Product Control  
Division  
By *Warren W. Schaefer*

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.	DATE:	11/08/01
		PLLOT:	1-2
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: WOOD MANOR DOOR TRANSOM NON-IMPACT WINDOW			
MANUFACTURER: KOLBE & KOLBE MILLWORK CO., INC.			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.			
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-773-4902 FAX: 561-773-4903			
1323 SOUTH 11TH AVE. WAUSAU, WI 54401 715-842-5666			
CERTIFICATION	OCT 02 2002	WARREN W. SCHAEFER, P.E.	P.E. NO. 44135
DRAWING NO.	1059	REV.	
SHEET NO.	2	OF	4



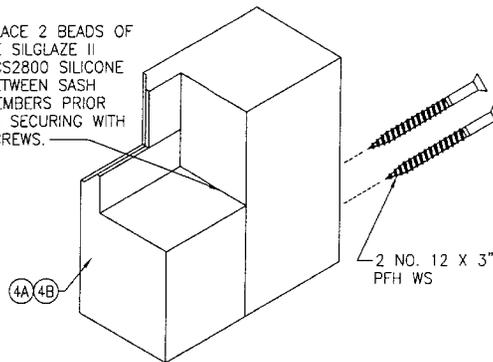
**GLAZING DETAIL**

7/8" I.G. GLASS WITH 5/32" TEMPERED GLASS PANE AND 9/16" SPACER

**GLAZING DETAIL**

1/4" SINGLE PANE TEMPERED GLASS

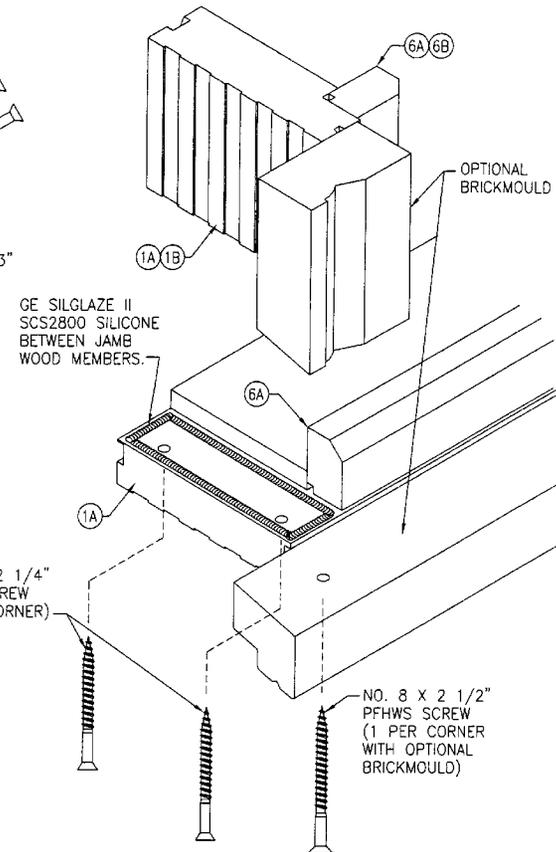
PLACE 2 BEADS OF GE SILGLAZE II SCS2800 SILICONE BETWEEN SASH MEMBERS PRIOR TO SECURING WITH SCREWS.



**TYP. SASH CORNER DETAIL**

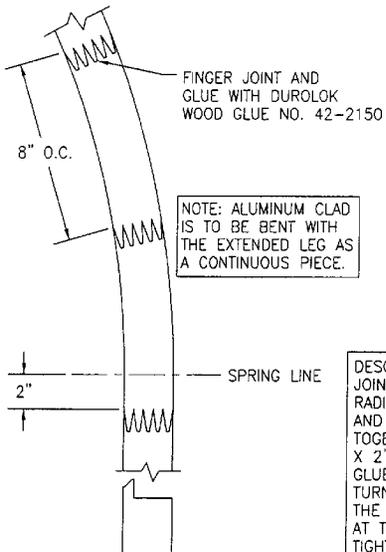
(TYP. AT ALL CORNERS 90 DEGREES & LESS)

NOTE: AT CORNERS LESS THAN 90 DEGREES, THE CORNER JOINT IS PARALLEL TO THE STRAIGHT MEMBER AND THE SCREWS RUN THROUGH THE STRAIGHT SASH INTO THE BENT/RADIUS SASH.



**TYP. JAMB CORNER DETAIL**

(TYP. AT ALL CORNERS 90 DEGREES & LESS)



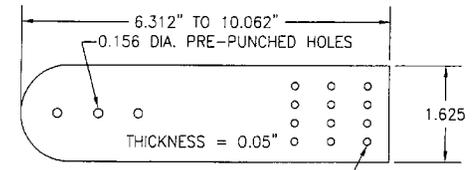
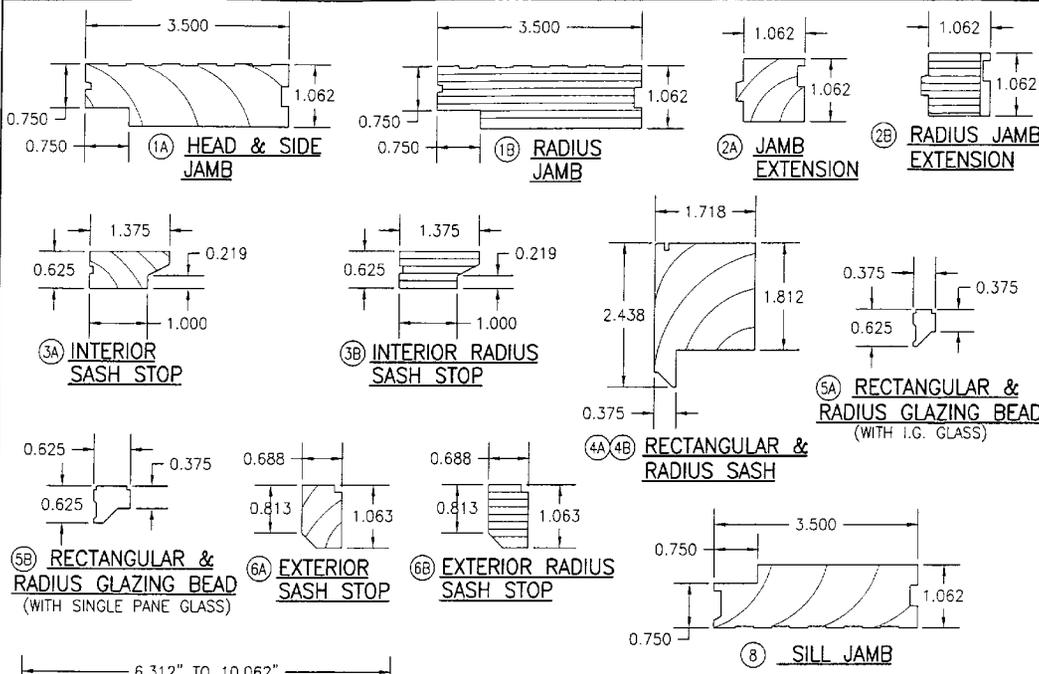
**TYP. EXTENDED LEG DETAIL AT SASH**

DESCRIPTION: EXTENDED LEG IS FINGER JOINTED SIMILAR TO SASH AROUND RADIUS. AT SPRING LINE, THE RADIUS AND STRAIGHT MEMBERS ARE BUTTED TOGETHER, DOWELED WITH TWO 3/8" X 2" LONG WOOD DOWELS AND FULLY GLUED WITH PVA GLUE. A STEEL TURNBUCKLE IS ALSO ROUTED INTO THE OPENING SIDE OF THE JAMBS AT THE SPRINGLINE AND USED TO TIGHTEN DOWN THE JOINT.

**TYP. EXTENDED LEG AT JAMB**

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 11/08/01
DATE	
BY	
NO.	REVISION DESCRIPTION
WOOD MANOR DOOR TRANSOM NON-IMPACT WINDOW	
MANUFACTURER <b>KOLBE &amp; KOLBE MILLWORK CO., INC.</b> 1323 SOUTH 11TH AVE. WAUSAU, WI 54401 715-842-5666	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 100 SANDHURST DRIVE, SUITE 203B P.O. BOX 10000, GREENSBORO, NC 27402 PHONE: 361-775-4902 FAX: 361-775-4803	
CERTIFICATION	
OCT 07 2007	
WARREN W. SCHAEFER, P.E.	
P.E. NO. 44135	
DRAWING NO.	REV.
1059	
SHEET NO.	
3	OF 4

Approved as complying with the Florida Building Code  
Date: 02-20-06 BY: 24, 2002  
NOAH: 02-0614-06  
Miami Dade Product Control Division  
By: Manuel Perez



0.125 DIA. PREPUNCHED HOLES  
 (9) **MASONRY CLIP**  
 PRE-PUNCHED HOLES ARE ADDED FOR CLIPS LONGER THAN 6.3"

ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1A	2902	FRAME HEAD & SIDE JAMB	* WOOD
1B	2902	FRAME RADIUS JAMB	LVL
2A	4824	JAMB EXTENSION	* WOOD
2B	4824	RADIUS JAMB EXTENSION	LVL
3A	4808	INTERIOR SASH STOP	* WOOD
3B	4808	INTERIOR RADIUS SASH STOP	LVL
4A	1358	SASH	* WOOD
4B	1358	RADIUS SASH	* FINGER JOINTED WOOD
5A	1006	GLAZING BEAD	* WOOD
5B	1008	GLAZING BEAD	* WOOD
6A	2900	EXTERIOR SASH STOP	* WOOD
6B	2900	EXTERIOR RADIUS SASH STOP	* WOOD
8	2909	SILL JAMB	* WOOD
9	BHDM5	1 5/8" WIDE X 0.05" THK. X MIN. 6 5/16" LONG MASONRY CLIP	ASTM A653 MIN. 33 KSI GALV. STEEL
MISCELLANEOUS FASTENERS			
11	-	16 GA. 1/2" X 1.5" LG. CROWN STAPLE	2" FROM ENDS & 8" O.C.
12	-	18 GA. X 3/16" X 1 1/8" CROWN STAPLE	2" FROM ENDS & 8" O.C.
13	-	#7 X 1 1/4" PFH SMS SCREW	2" FROM ENDS & 8" O.C.
14	-	#8 X 2 1/4" POH SCREW	2" FROM ENDS & 8" O.C.
15	-	3/4" BRAD NAIL	2" FROM ENDS & 8" O.C.
MISCELLANEOUS			
17	BFMDR	5/8" X 1.5" X 1/16" RUBBER SHIMS	2" FROM ENDS & 8" O.C.

\* WOOD USED WITH TEST UNITS WAS GRADE 2 PONDEROSA PINE. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. GRADE 2 MAHOGANY, SOUTHERN PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR & CYPRUS.

ALLOWABLE DESIGN PRESSURE															
(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)														
30"	113.5	113.5	113.5	113.5	108.0	104.0	100.9	98.5	97.5	95.0	92.4	90.3	81.3	73.9	* 67.7
36"		108.3	108.3	104.0	97.5	92.9	89.4	86.7	85.5	82.7	80.0	75.2	67.7		
42"			92.9	92.9	91.2	85.7	81.7	78.7	77.4	74.3	71.3				
48"				81.3	81.3	81.3	76.6	73.1	71.7	68.3					
54"					72.2	72.2	72.2	69.3	67.7						
60"						65.0	65.0	65.0	65.0						
66"							59.1								
(1) LONG DIMENSION	30"	36"	42"	48"	54"	60"	66"	72"	75"	84"	96"	108"	120"	132"	144"

**TABLE NOTES:**

- (1) ALL WINDOW DIMENSION VALUES SHOWN ARE +/- 1/2" & ARE FRAME (F.H. & F.W.) DIMENSIONS
- (2) THOSE SIZES WITH LOADS LISTED ARE MAXIMUM ALLOWABLE SIZES AT THAT LOAD. IF NO LOAD IS LISTED FOR A GIVEN SIZE, THAT SIZE EXCEEDS ALLOWABLE AND IS NOT ACCEPTABLE.

\* WINDOW GLASS SIZE DOES NOT MEET ASTM 5:1 GLASS SIZE RATIO. THE ALLOWABLE LOAD SHOWN IS BASED ON A WINDOW OF THE SAME LONG DIMENSION WITH LARGER SHORT DIMENSION MEETING THE 5:1 SIZE RATIO.

Approved as complying with the  
 Florida Building Code  
 Date Dec 20 2002  
 NOA# 0619-06  
 Miami Dade Product Control  
 Division  
 By M. J. [Signature]

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/08/01
DATE	
BY	
NO. REVISION DESCRIPTION	
WOOD MANOR DOOR TRANSOM NON-IMPACT WINDOW	
MANUFACTURER <b>KOLBE &amp; KOLBE MILLWORK CO., INC.</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 800 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
DRAWING TITLE <b>WOOD MANOR DOOR TRANSOM NON-IMPACT WINDOW</b>	
CERTIFICATION <b>OCT 02 7807</b> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO.	REV.
<b>1059</b>	
SHEET NO.	
<b>4</b>	<b>4</b>