



**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)

**Kolbe & Kolbe Millwork Co., Inc.
1323 South 11th 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 "Ultra Manor" Transom Aluminum Clad Wood Fixed Window

APPROVAL DOCUMENT: Drawing No. 1056, titled "Ultra Series Manor Door Transom Impact Window", sheets 1 through 4 of 4, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 6/29/01, 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: Large and Small Missile Impact

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.

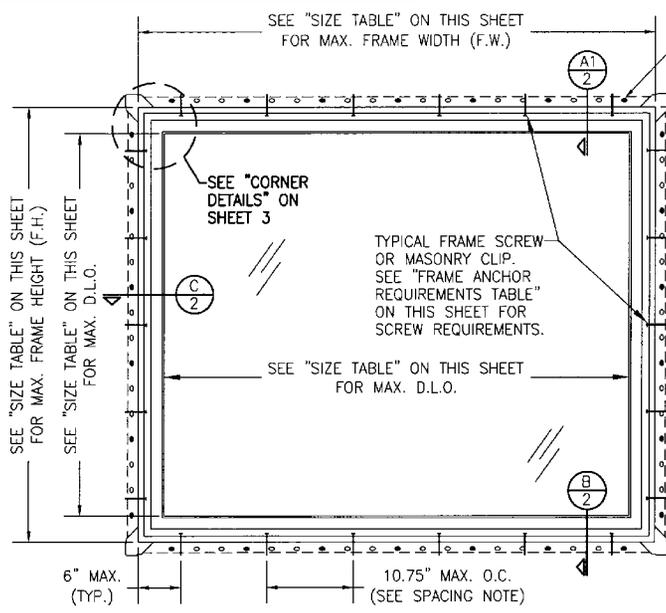
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

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

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



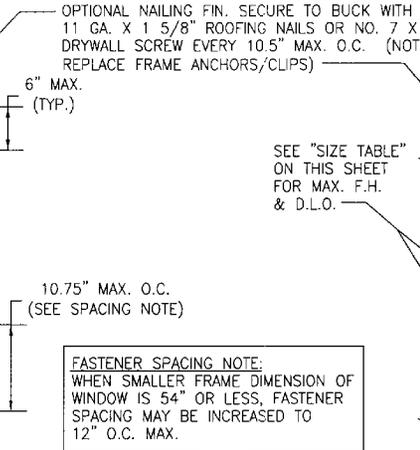
**NOA No 02-0617.06
Expiration Date: October 24, 2007
Approval Date: October 24, 2002
Page 1**



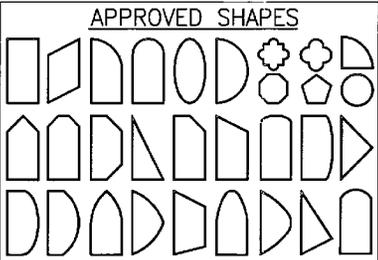
**EXTERIOR ELEVATION
RECTANGULAR WINDOW**
SCALE: 3/4"=1'-0"

ALLOWABLE WINDOW SIZE TABLE		ALLOWABLE DESIGN LOAD		POSITIVE (PSF)	NEGATIVE (PSF)
HEIGHT (IN.)	WIDTH (IN.)	HEIGHT (IN.)	WIDTH (IN.)		
36	124	28 7/8	116 7/8	65.0	65.0
36	116	28 7/8	108 7/8	70.0	70.0
42	106	34 7/8	98 7/8	65.0	65.0
42	99	34 7/8	91 7/8	70.0	70.0
48	93	40 7/8	85 7/8	65.0	65.0
48	87	40 7/8	79 7/8	70.0	70.0
54	83	46 7/8	75 7/8	65.0	65.0
54	77	46 7/8	69 7/8	70.0	70.0
60	74 7/8	52 7/8	67 3/4	65.0	65.0
66	68	58 7/8	60 7/8	59.1	59.1

APPLICABLE FOR SINGLE WINDOWS ONLY.
NOTE: HEIGHT (F.H.) & WIDTH (F.W.) ARE INTERCHANGABLE & ARE +/-1/2"



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



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.

* 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.).

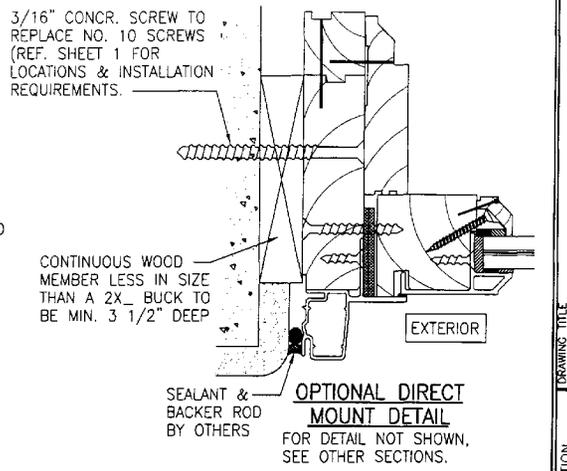
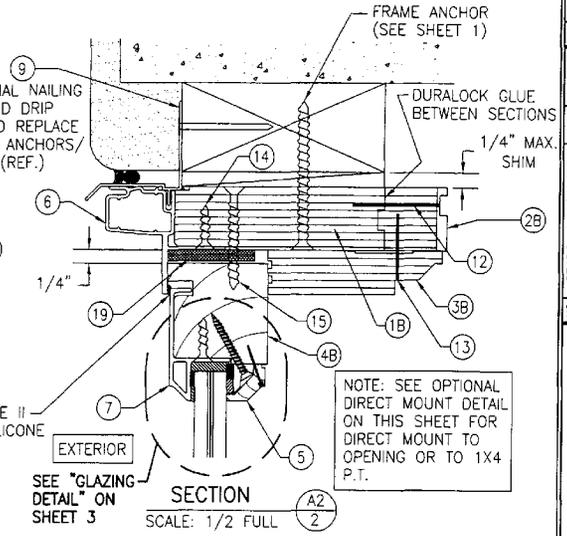
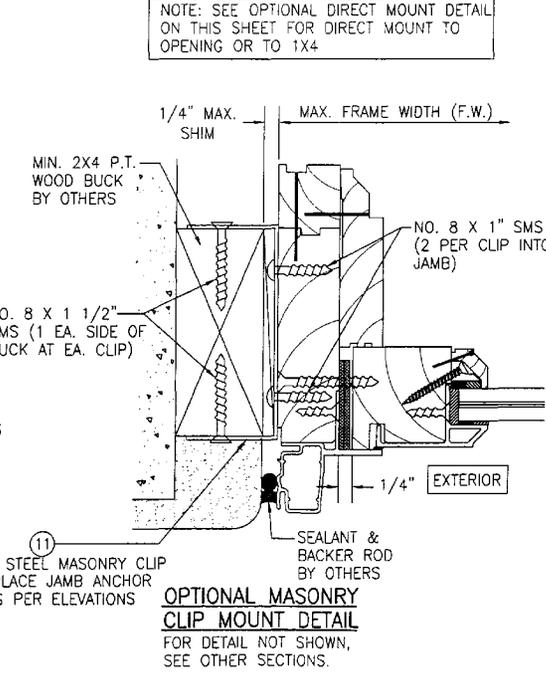
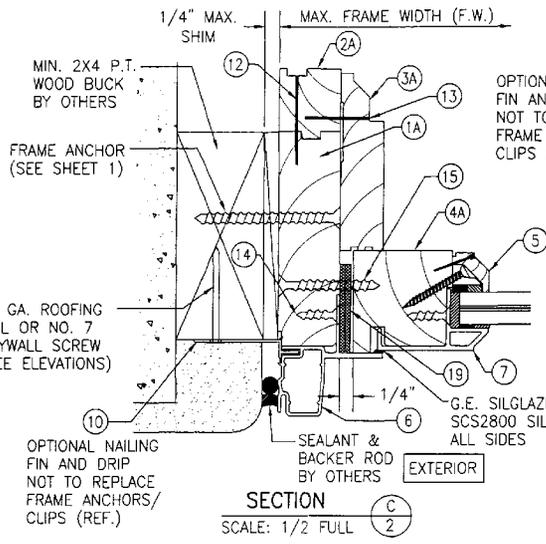
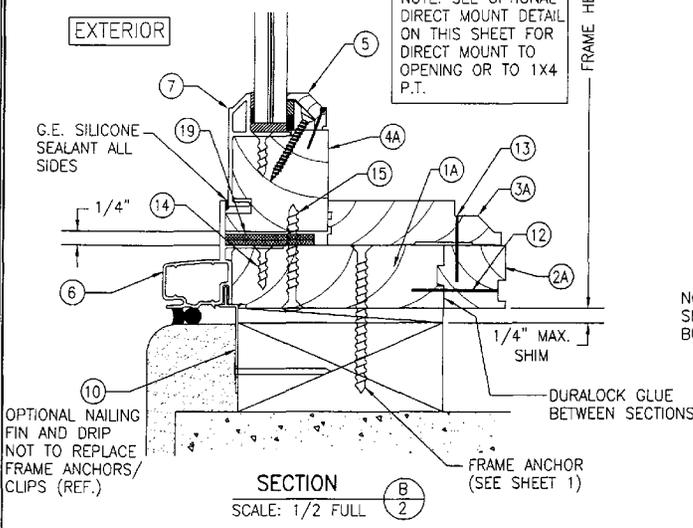
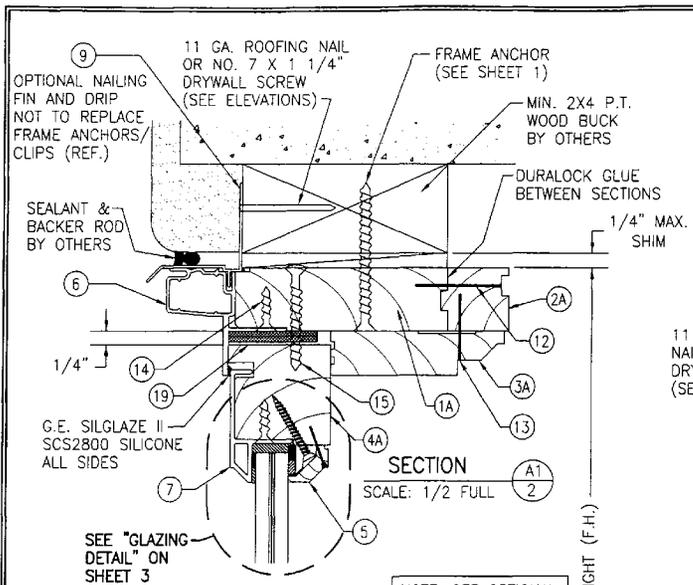
* ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS WOOD SPACER, OR ANCHORED TO A MIN. 2X4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2X4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 3/16" CONCRETE SCREWS SHALL BE USED.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

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 October 24, 2002
NOA# 02-0611-06
Miami Trade Product Control Division
By [Signature]

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 06/29/01
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE: ULTRA SERIES MANOR DOOR TRANSOM IMPACT WINDOW	
MANUFACTURER: KOLBE & KOLBE MILLWORK CO., INC.	
1323 SOUTH 11TH AVE. WAUSAU, WI 54401 715-842-5666	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	600 SANDREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-6802 FAX: 561-775-4903
CERTIFICATION: OCT 07, 2002	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO: 1056	REV:
SHEET NO: 1	OF 4



OCTOBER 24, 2002
02-0617-06

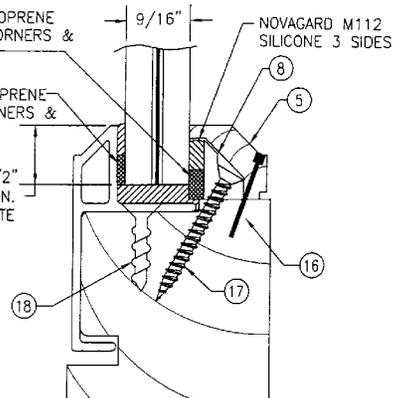
Warren W. Schaefer

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 06/29/01
DATE	BY
REVISION DESCRIPTION	
NO.	
ULTRA SERIES MANOR DOOR TRANSOM IMPACT WINDOW MANUFACTURER KOLBE & KOLBE MILLWORK CO., INC. 1323 SOUTH 11TH AVE. WAUSAU, WI 54401 715-842-5666	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDREE DRIVE, SUITE 203B WAUSAU, WI 54401 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION	
OCT 02 2002	
WARREN W. SCHAEFER P.E. NO. 41135	
DRAWING NO. 1056	REV.
SHEET NO. 2	OF 4

1/8" X 1/4" NEOPRENE SHIMS 1" OFF CORNERS & 8" O.C.

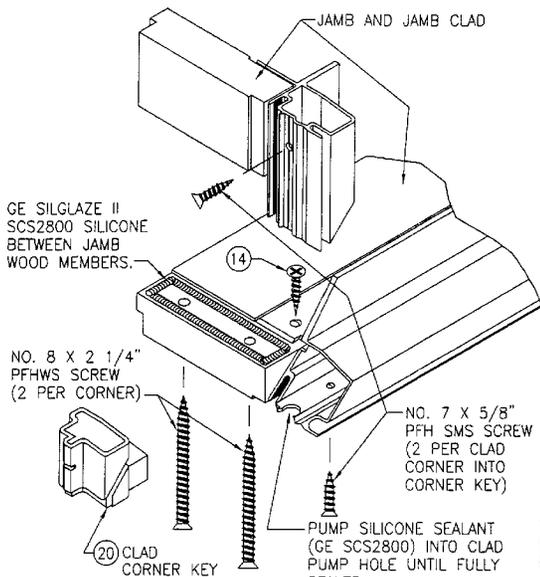
1/16" X 1/4" NEOPRENE SHIMS 1" OFF CORNERS & 8" O.C.

1/2" MIN. BITE



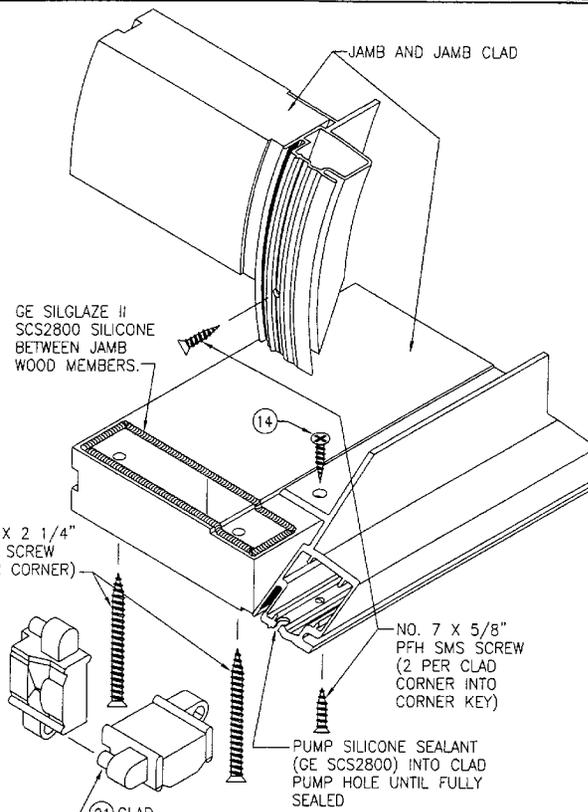
GLAZING DETAIL

9/16" CARDINAL SEASTORM TYPE "B" LAMINATED GLASS (1/4" AN/0.015 PVB/0.007 PET/0.075 PVB/1/4" AN)



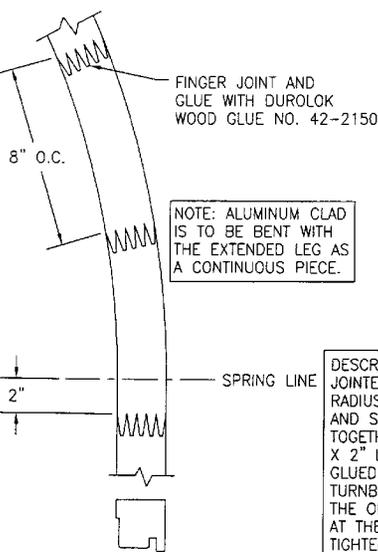
TYP. JAMB CORNER DETAIL

(TYP. AT ALL 90 DEGREE CORNERS)



TYP. JAMB CORNER DETAIL

(TYP. AT ALL CORNERS LESS THAN 90 DEGREES)

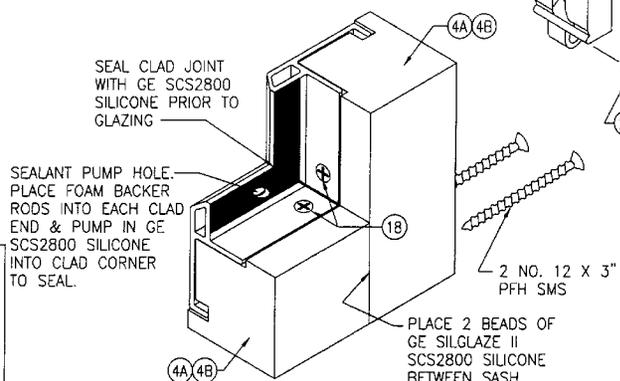


TYP. EXTENDED LEG DETAIL AT SASH

NOTE: ALUMINUM CLAD IS TO BE BENT WITH THE EXTENDED LEG AS A CONTINUOUS PIECE.

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



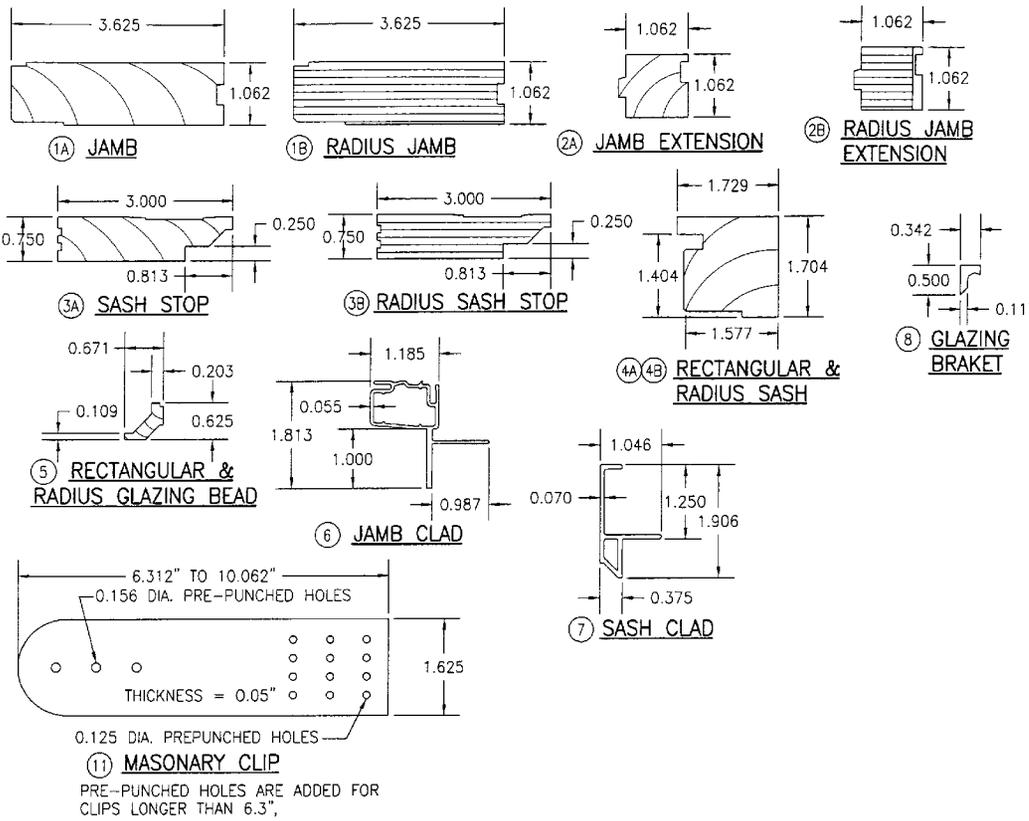
TYP. SASH CORNER DETAIL

(TYP. AT ALL CORNERS 90 DEGREES & LESS)

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

Approved as complying with the Florida Building Code
 Date: October 24, 2002
 NO. 01-0617-06
 Minimum Grade: Professional
 By: *[Signature]*

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLD: 1-2		DATE: 06/29/01	
NO.	REVISION DESCRIPTION	DATE	BY
ULTRA SERIES MANOR DOOR TRANSOM IMPACT WINDOW MANUFACTURER: KOLBE & KOLBE MILLWORK CO., INC. 1323 SOUTH 11TH AVE. WAUSAU, WI 54401 715-842-5666			
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CERTIFICATION		OCT 02 2002 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1056		REV.	
SHEET NO. 3		OF 4	



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1A	2917	FRAME HEAD, SIDE & SILL JAMB	* WOOD
1B	2917	FRAME RADIUS JAMB	LVL
2A	4824	JAMB EXTENSION	* WOOD
2B	4824	RADIUS JAMB EXTENSION	LVL
3A	4804	SASH STOP	* WOOD
3B	4804	RADIUS SASH STOP	LVL
4A	1873	SASH	* WOOD
4B	1873	RADIUS SASH	* FINGER JOINTED WOOD
5	1055	GLAZING BEAD	* WOOD
6	BU811	JAMB CLAD	6063-T5 ALUMINUM
7	BU106	SASH CLAD	6063-T5 ALUMINUM
8	B5800	GLAZING BRACKET	RIGID PVC BY CLIM-A-TECH IND.
9	B5807	OPTIONAL HEAD JAMB NAILING FIN/DRIP	RIGID PVC
10	B5001	OPTIONAL SIDE & SILL JAMB NAILING FIN	RIGID PVC
11	BHDMS	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			
12	-	16 GA. 1/2" X 1.5" LG. CROWN STAPLE	2" FROM ENDS & 8" O.C.
13	-	18 GA. X 3/16" X 1 1/8" CROWN STAPLE	2" FROM ENDS & 8" O.C.
14	-	#7 X 3/4" PFH SMS 18-BSS SCREW	2" FROM ENDS & 8" O.C.
15	-	#8 X 2 1/4" POH SCREW	2" FROM ENDS & 8" O.C.
16	-	3/4" BRAD NAIL	2" FROM ENDS & 8" O.C.
17	-	#6 X 1 1/4" PFH SMS SCREW	1" FROM ENDS & 8" O.C.
18	-	#7 X 3/4" PFH SMS SCREW	2" FROM ENDS & 8" O.C.
MISCELLANEOUS			
19	BFMDR	15/16" X 1.5" X 3/32" RUBBER SHIMS	2" FROM ENDS & 8" O.C.
20	BHDUL	POLYCARBONATE CORNER KEY (90 DEG.)	BY DARTER PLASTICS
21	BHDUD	POLYCARBONATE CORNER KEY (HINGED)	BY DARTER PLASTICS

* 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.

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	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
CERTIFICATION	OCT 02 2002
DRAWING NO.	1056
SHEET NO.	4 OF 4

Approved as complying with the
 Florida Building Code
 Date DC 02 24 2002
 NOAH 02-0677-106
 Miami Dade Building Control
 District
 By: *Warren W. Schaefer*