



**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)

**Palm City Millwork, Inc.
3313 S.W. 42nd Ave.
Palm City, FL 34990**

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 Direct Sash Set Wood Fixed Window

APPROVAL DOCUMENT: Drawing No. 1039, titled "Direct Sash Set Mahogany Wood Windows", sheets 1 through 4, prepared, signed and sealed by Warren Schaefer, P.E., dated 2/19/02, 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.

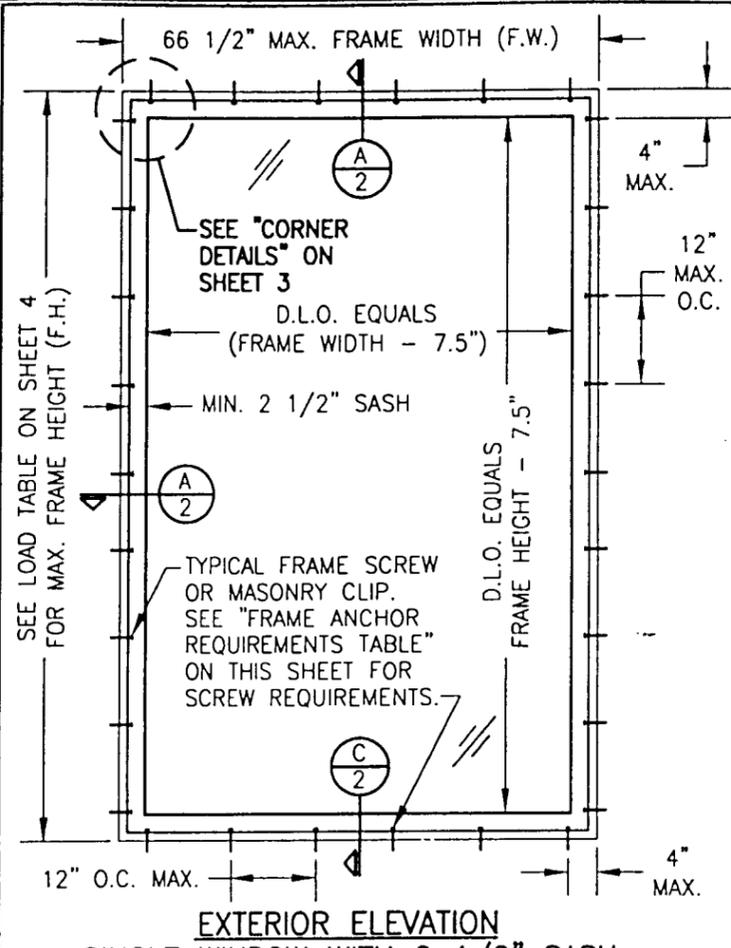
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

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

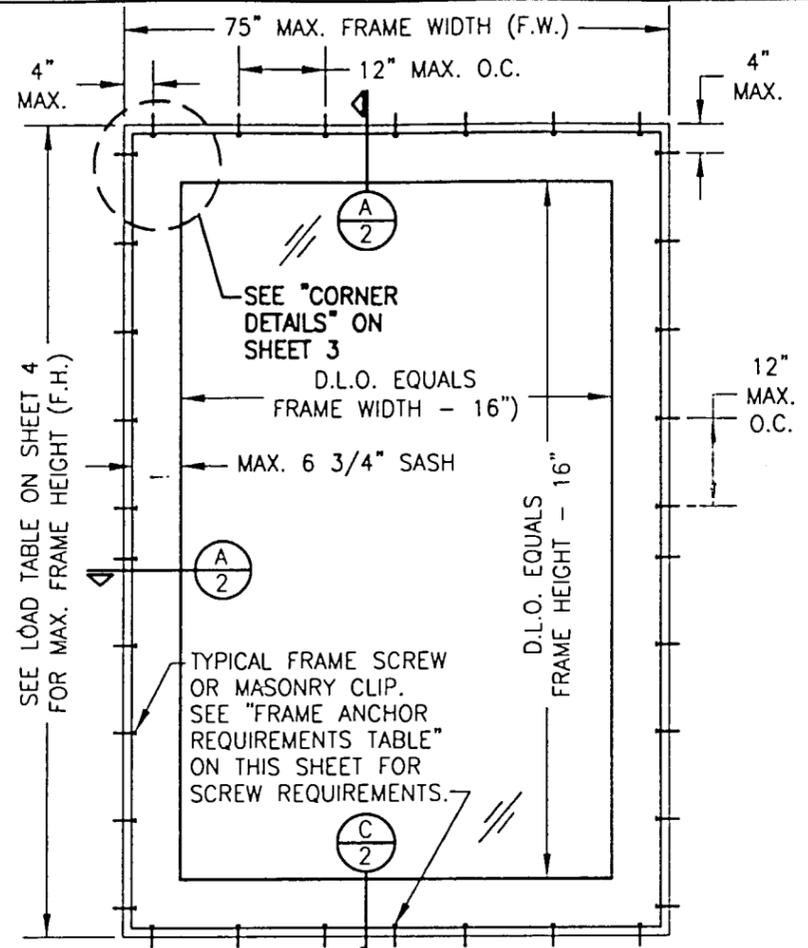
The submitted documentation was reviewed by **Theodore Berman, P.E.**



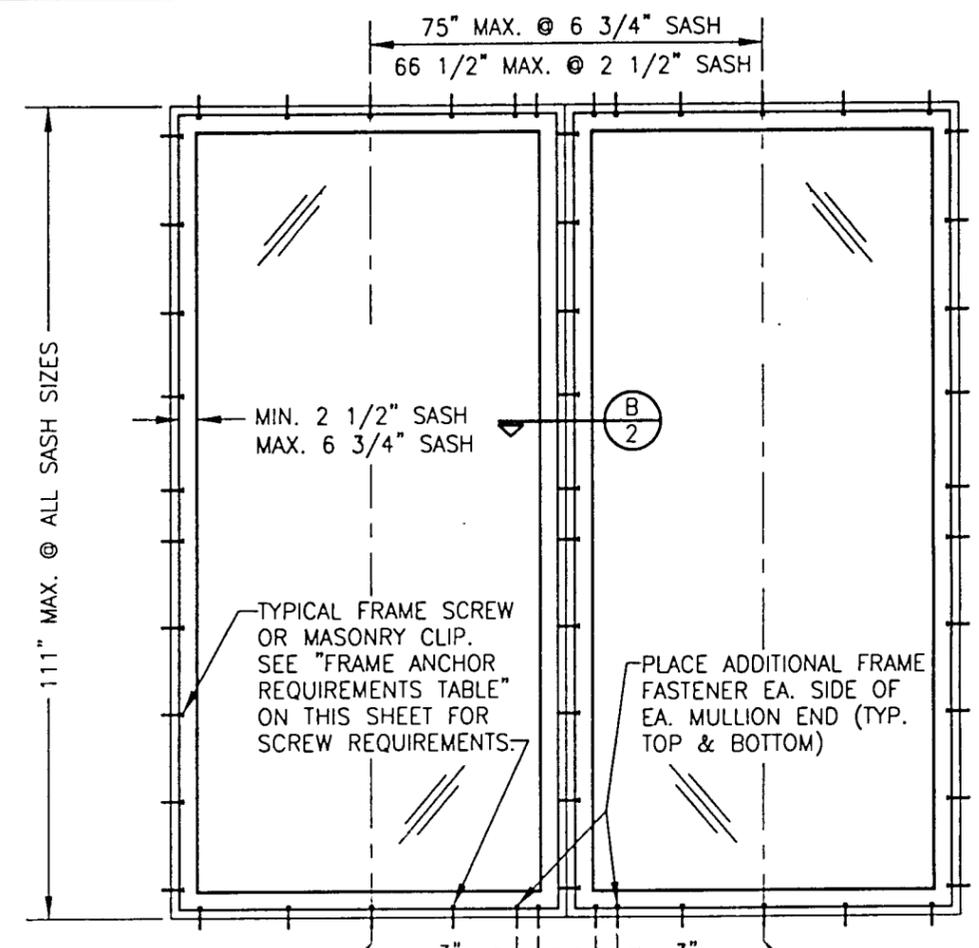
**NOA No 02-0308.04
Expiration Date: August 1, 2007
Approval Date: August 1, 2007
Page 1**



**EXTERIOR ELEVATION
SINGLE WINDOW WITH 2 1/2" SASH**
SCALE: 1/2"=1'-0"



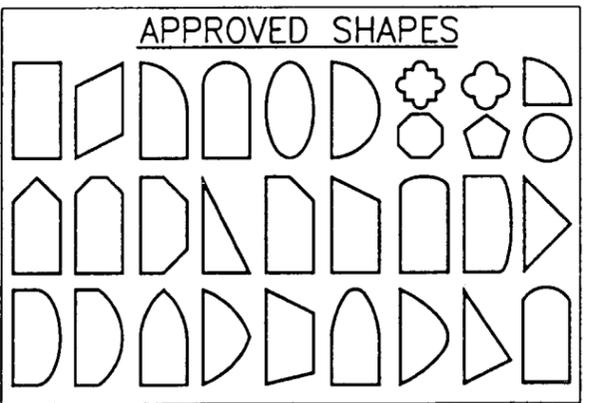
**EXTERIOR ELEVATION
SINGLE WINDOW WITH 6 3/4" SASH**
SCALE: 1/2"=1'-0"



**EXTERIOR ELEVATION
MULTIPLE WINDOW UNIT
(MAX. FOUR UNITS MAY BE COMBINED)**
SEE OTHER ELEVATIONS FOR WINDOW DETAILS
SCALE: 1/2"=1'-0"

LONG DIMENSION OF WINDOWS MAY BE HORIZONTAL OR VERTICAL (HEIGHT & WIDTH MAY BE INTERCHANGED).

- 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 SOUTH FLORIDA BUILDING CODE, 1994 MIAMI-DADE COUNTY EDITION.
 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
 8. SASH WIDTHS MAY RANGE BETWEEN 2 1/2" TO 6 3/4" PROVIDING MAXIMUM O.L.O.'S ARE NOT EXCEEDED.



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.

MULTIPLE UNIT NOTES:

1. ALL WINDOWS ARE RESTRICTED BY THE DIMENSIONS SHOWN.
2. THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS RESTRICTED BY THE LESSER OF THE INDIVIDUAL WINDOW ALLOWABLE PRESSURE OR THE ALLOWABLE MULLION PRESSURE. SEE LOAD TABLES 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	1/4" CONCR. SCREW	1 1/4"	2"

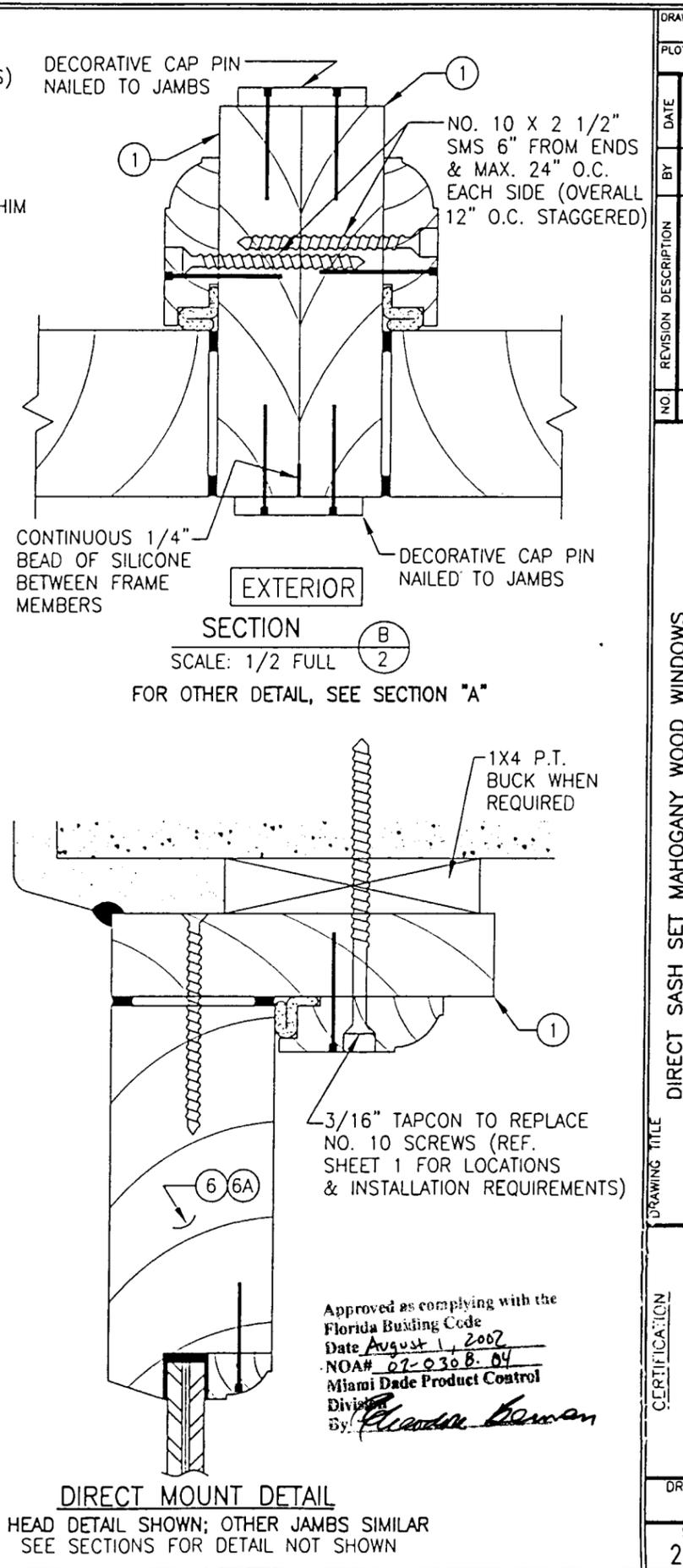
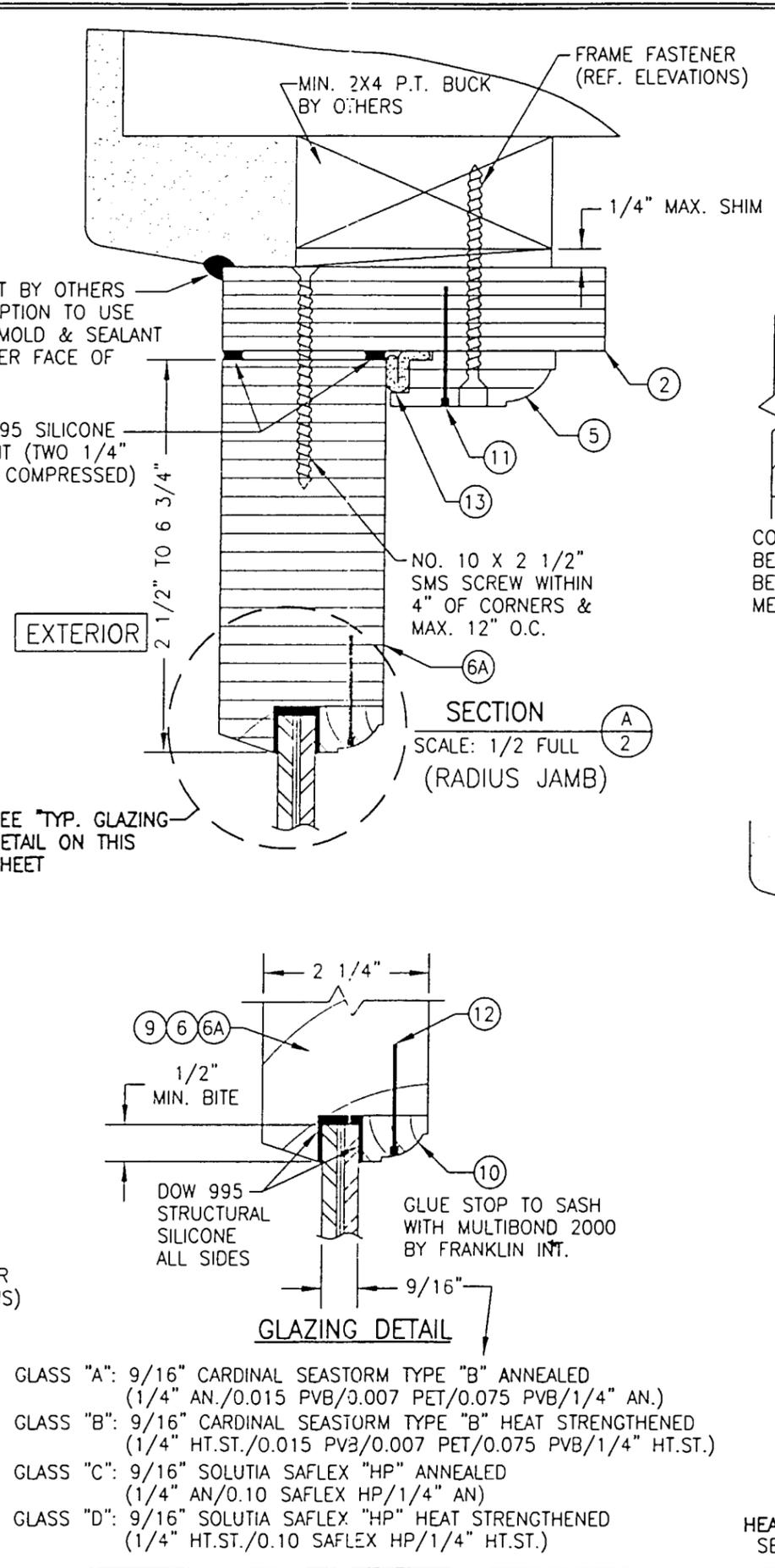
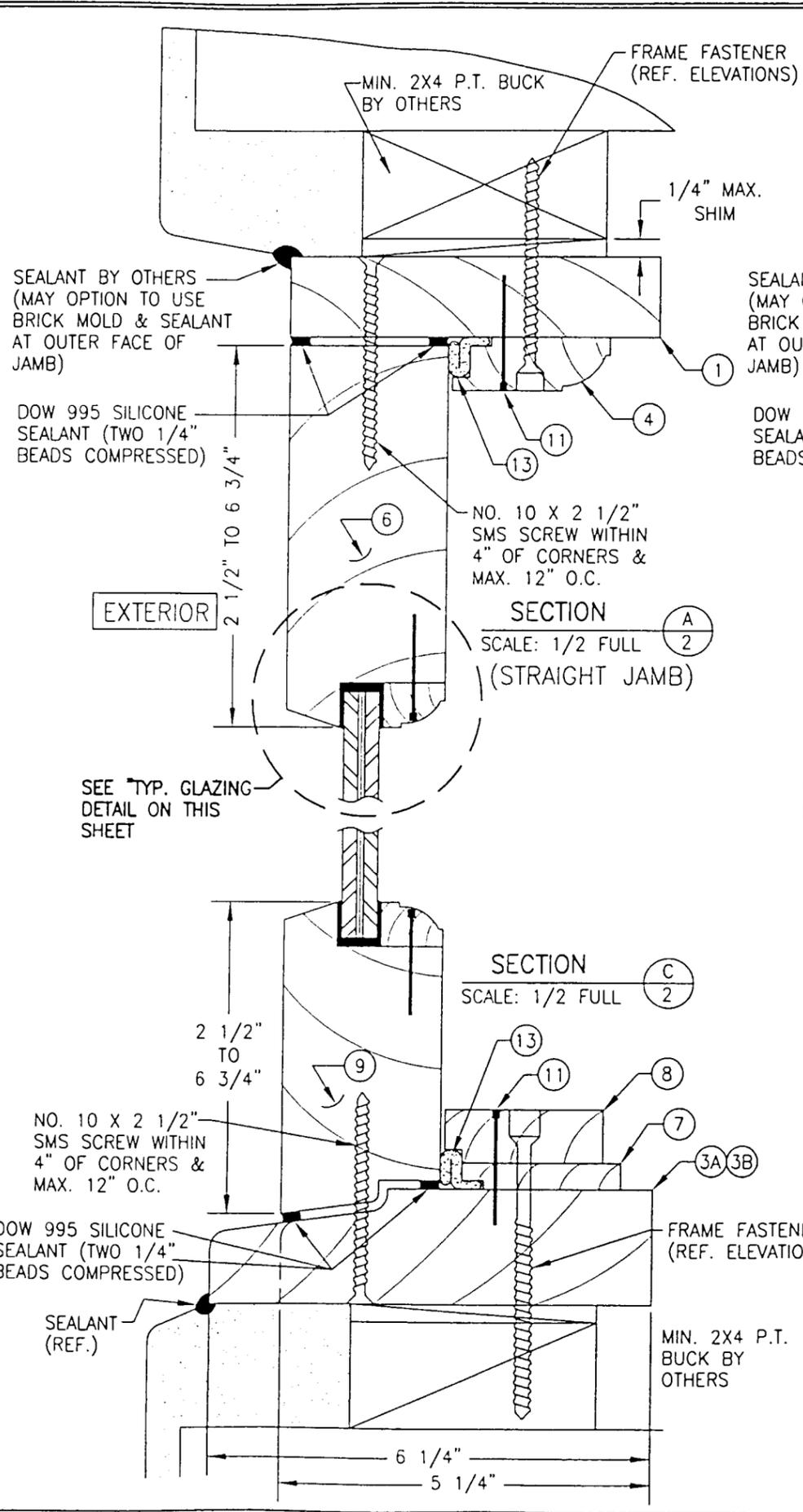
CONCRETE SCREWS SHALL BE ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

ANCHOR NOTE: FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A 1X4 P.T. CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2X4 NO. 2 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2X4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 1/4" CONCR. SCREWS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

ALLOWABLE DESIGN LOADS
SEE DESIGN LOAD TABLES ON SHEET 4

Approved as complying with the Florida Building Code
Date August 1, 2002
NOA# 02-0308.04
Miami Dade Product Control Division
By: *Eleonore Kaman*

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 02/15/02
DATE	BY
REVISION DESCRIPTION	NO.
DIRECT SASH SET MAHOGANY WOOD WINDOWS MANUFACTURER PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
DRAWING TITLE W. W. SCHAEFER, P.E. P.E. NO. 44135	
CERTIFICATION FEB 19 2002	DRAWING NO. 1039
	REV. SHEET NO. 1 OF 4

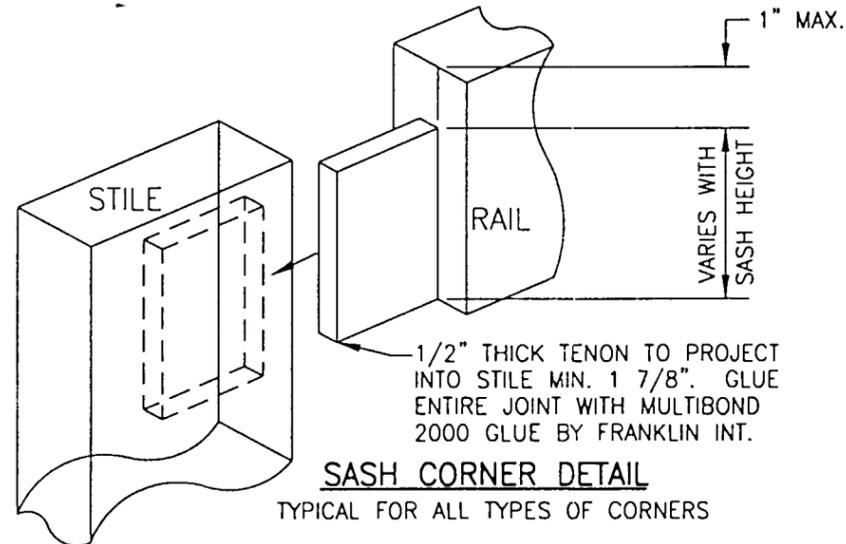
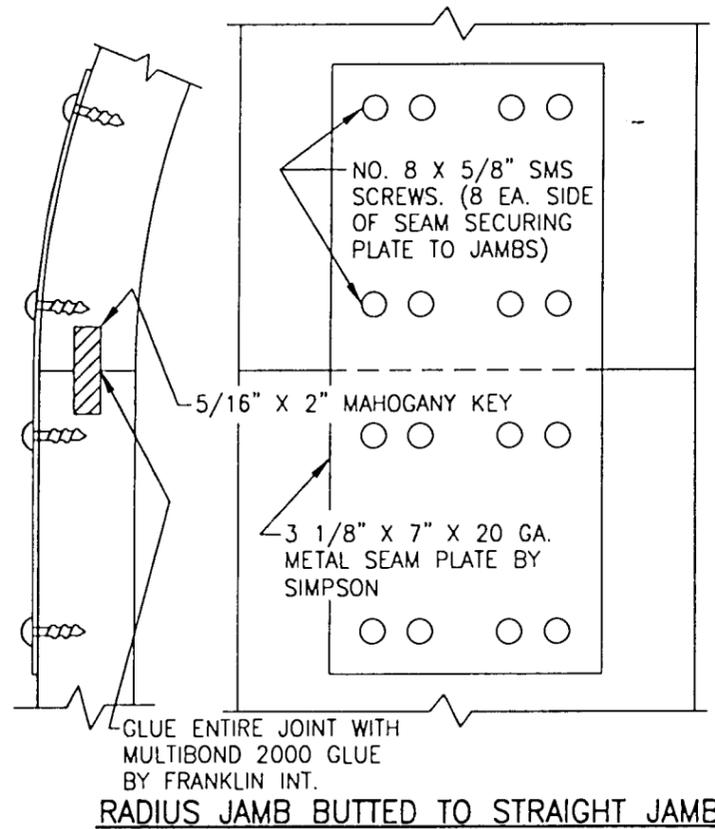
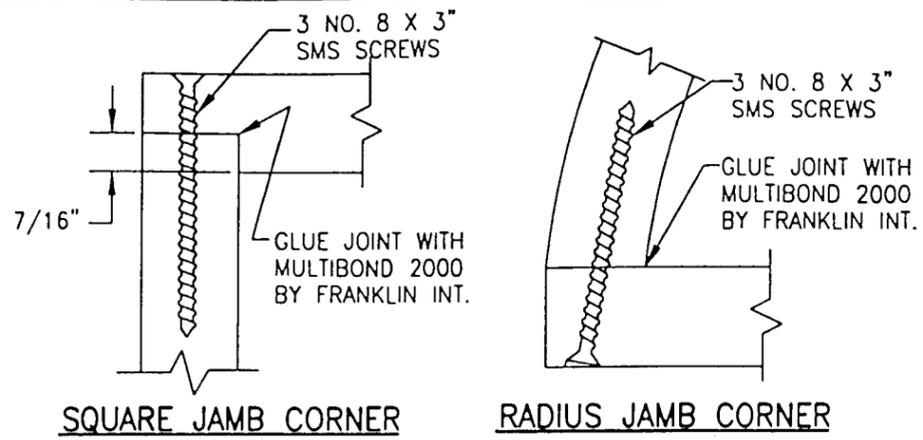


- GLASS "A": 9/16" CARDINAL SEASTORM TYPE "B" ANNEALED (1/4" AN./0.015 PVB/0.007 PET/0.075 PVB/1/4" AN.)
- GLASS "B": 9/16" CARDINAL SEASTORM TYPE "B" HEAT STRENGTHENED (1/4" HT.ST./0.015 PVB/0.007 PET/0.075 PVB/1/4" HT.ST.)
- GLASS "C": 9/16" SOLUTIA SAFLEX "HP" ANNEALED (1/4" AN./0.10 SAFLEX HP/1/4" AN)
- GLASS "D": 9/16" SOLUTIA SAFLEX "HP" HEAT STRENGTHENED (1/4" HT.ST./0.10 SAFLEX HP/1/4" HT.ST.)

Approved as complying with the Florida Building Code
 Date August 1, 2002
 NO# 07-030-B-04
 Miami Dade Product Control
 Div. 2
 By: *Warren W. Schaefer*

DIRECT MOUNT DETAIL
 HEAD DETAIL SHOWN; OTHER JAMBS SIMILAR
 SEE SECTIONS FOR DETAIL NOT SHOWN

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 02/15/02
NO.	REVISION DESCRIPTION
DIRECT SASH SET MAHOGANY WOOD WINDOWS MANUFACTURER PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION FEB 19 2002 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1039	REV.
SHEET NO. 2	OF 4



MATERIAL LIST		
NO.	DESCRIPTION	NOTES
1	1.125" X 5.25" JAMB	MAHOGANY WOOD
2	1.125" X 5.25" RADIAL JAMB	LAMINATED MAHOGANY
3A	2.25" X 5.1/4" SILL	MAHOGANY WOOD
3B	2.25" X 6.25" ALTERNATE SILL	MAHOGANY WOOD
4	0.75" X 2.25" SASH STOP	MAHOGANY WOOD
5	0.75" X 2.25" RADIAL SASH STOP	LAMINATED MAHOGANY
6	2.25" X 2.5" TO 6.75" SASH	MAHOGANY WOOD
6A	2.25" X 2.5" TO 6.75" RADIAL SASH	LAMINATED MAHOGANY
7	0.375" X 2.25" SILL STOP	MAHOGANY WOOD
8	0.75" X 2.25" SILL STOP	MAHOGANY WOOD
9	2.25" X 2.5" TO 6.75" SILL SASH	MAHOGANY WOOD
10	0.625" X 0.75" GLAZING STOP	MAHOGANY WOOD
11	1 1/2" LONG SASH STOP PIN NAIL	3" FROM CORNERS & MAX. 6" O.C.
12	1" LONG GLAZING STOP PIN NAIL	2" FROM CORNERS & MAX. 5" O.C.
13	WEATHER SEAL	Q-LON 928

* WOOD USED WITH TEST UNITS WAS SELECT MAHOGANY. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS SELECT RED OAK, REDWOOD, FIR, RED MAPLE, HICKORY, DOUGLAS FIR, CHERRY OR BIRCH.

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PLOT: 1-2	DATE: 02/15/02
DATE	BY
REVISION DESCRIPTION	NO.
DIRECT SASH SET MAHOGANY WOOD WINDOWS MANUFACTURER PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
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CERTIFICATION FEB 19 2002 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1039	REV.
SHEET NO. 3 OF 4	

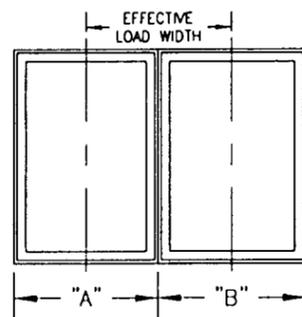
Approved as complying with the Florida Building Code
 Date August 1, 2002
 INGAH 62-630B.04
 Miami Date Product Control
 Warren W. Schaefer

**ALLOWABLE DESIGN PRESSURE TABLE
FOR MULLED DIRECT SASH SET UNITS**

EFFECTIVE LOAD WIDTH (IN.)	MULLION LENGTH (IN.)	ALLOWABLE PRESSURE (PSF.)	EFFECTIVE LOAD WIDTH (IN.)	MULLION LENGTH (IN.)	ALLOWABLE PRESSURE (PSF.)	
36	108	80.0	66	78	80.0	
	111	80.0		84	79.6	
42	96	80.0		90	69.4	
	102	80.0		96	61.0	
	108	75.6		102	54.0	
	111	69.6		108	48.1	
48	96	80.0		111	44.3	
	102	74.3		72	78	80.0
	108	66.1			84	73.0
111	60.9	90			63.6	
54	90	80.0			96	55.9
	96	74.5			102	49.5
	102	66.0	108		44.1	
	108	58.8	111	40.6		
60	111	54.2	75	78	80.0	
	84	80.0		84	70.1	
	90	76.3		90	61.1	
	96	67.1		96	53.7	
	102	59.4		102	47.5	
	108	52.9		108	42.3	
	111	48.7	111	39.0		

NOTES:

1. ALLOWABLE PRESSURE ON MULTIPLE UNITS IS CONTROLLED BY THE LESSER PRESSURE OF EITHER THIS TABLE OR THE WINDOW TABLE.
2. ALL PRESSURES IN THIS TABLE ARE FOR BOTH POS. & NEG.
3. SEE MULTIPLE WINDOW ELEVATION BELOW FOR DETERMINATION OF "EFFECTIVE LOAD WIDTH".
4. MULLION MAY BE HORIZONTAL OR VERTICAL.



$$\text{LOAD WIDTH} = \frac{(A + B)}{2}$$

**ALLOWABLE WINDOW SIZE & DESIGN PRESSURE TABLE
(SINGLE WINDOWS)**

D.L.O.		FRAME SIZE				ALLOWABLE PRESSURE	
HEIGHT (IN.)	WIDTH (IN.)	2 1/2" SASH		6 3/4" SASH		GLASS "A" & "C" 9/16" LAMINATED ANNEALED (PSF)	GLASS "A" & "C" 9/16" LAMINATED HEAT STRENGTHENED (PSF)
		HEIGHT (IN.)	WIDTH (IN.)	HEIGHT (IN.)	WIDTH (IN.)		
59	47	66.5	54.5	75.0	63.0	80.0	80.0
	53		60.5		69.0	80.0	80.0
	59		66.5		75.0	74.2	80.0
65	47	72.5	54.5	81.0	63.0	80.0	80.0
	53		60.5		69.0	75.3	80.0
	59		66.5		75.0	66.7	80.0
71	41	78.5	48.5	87.0	57.0	80.0	80.0
	47		54.5		63.0	79.1	80.0
	53		60.5		69.0	68.4	80.0
83	35	90.5	42.5	99.0	51.0	80.0	80.0
	41		48.5		57.0	80.0	80.0
	47		54.5		63.0	67.4	80.0
95	35	102.5	42.5	111.0	51.0	80.0	80.0
	41		48.5		57.0	74.8	80.0
	47		54.5		63.0	61.3	80.0
107	35	114.5	42.5	123.0	51.0	80.0	80.0
	41		48.5		57.0	70.7	80.0
	47		54.5		63.0	56.1	80.0
119	35	126.5	42.5	135.0	51.0	80.0	80.0
	41		48.5		57.0	66.1	80.0
	47		54.5		63.0	52.7	80.0
131	35	138.5	42.5	147.0	51.0	80.0	80.0
	41		48.5		57.0	63.4	80.0
143	35	150.5	42.5	159.0	51.0	80.0	80.0

NOTES:

1. ACTUAL FRAME SIZES = (D.L.O. + 7.5") AT 2.5" SASH UNITS & (D.L.O. + 16") AT 6.75" SASH UNITS.
2. ALL PRESSURES IN TABLE ARE FOR POSITIVE & NEGATIVE DIRECTIONS.
3. HEIGHT & WIDTH MAY BE INTERCHANGED SUCH THAT LONG DIMENSION IS HORIZONTAL OR VERTICAL.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 02/15/02
DATE	
BY	
REVISION DESCRIPTION	
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CERTIFICATION FEB 19 2002 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1039	REV.
SHEET NO.	
4 OF 4	

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Date August 1, 2002
NOA# 02-0308.04
Miami Dade Product Control
By: Eleonore Brown