



**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)

**Signature Door, Inc
401 Juniata Street
Altoona, PA 16602**

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Direct Glazed Wood Window

APPROVAL DOCUMENT: Drawing No. 1065, titled "Direct Glazed Impact Window", sheets 1 through 4 of 4, prepared by Warren W. Schaefer Engineering & Consulting, P.A., dated 08/01/01 with revision "A" on 06/03/04, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small 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 revises NOA # 02-0115.11 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E., Director, BCCO**

Handwritten signature and date: 11/10/04



**NOA No 04-1013.03
Expiration Date: March 21, 2007
Approval Date: December 02, 2004
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. 1065, titled "Direct Glazed Impact Window", sheets 1 through 4 of 4, prepared by Warren W. Schaefer Engineering & Consulting, P.A., dated 08/01/01 with revision "A" on 06/03/04, signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC TAS 202-94
 - 4) Large Missile Impact Test per FBC TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 (b) and TAS 202-94.

along with marked-up drawings and installation diagram of window wall, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 01049**, dated December 19, 2001, signed and sealed by Vinu J. Abraham, P. E.
"Submitted under NOA # 02-0115.11"

2. Test reports on
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC TAS 202-94
 - 4) Large Missile Impact Test per FBC TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC TAS 203-94

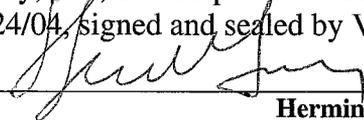
along with marked-up drawings and installation diagram of window wall, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0243-0319-04**- (specimen 1) and **HTL 0243-0516-04** (specimen 10), dated 03/15-05/27/04, signed and sealed by Vinu J. Abraham, P. E.

3. Test reports on
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC TAS 202-94
 - 4) Large Missile Impact Test per FBC TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC TAS 203-94

along with marked-up drawings and installation diagram of window wall, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0243-0608-03**- (specimen 1) and **HTL 0243-0516-04** (specimen 2), dated 06/2/03-05/20/04, signed and sealed by Vinu J. Abraham, P. E.

4. Test reports on
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC TAS 202-94

along with marked-up drawings and installation diagram of window wall, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0243-1012-03**, (specimen 1), dated 10/6/03-05/24/04, signed and sealed by Vinu J. Abraham, P.E.



Herminio F. Gonzalez, P.E.

Director, Building Code Compliance Office

NOA No 04-1013.03

Expiration Date: March 21, 2007

Approval Date: December 02, 2004

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Test reports on 1) Air Infiltration Test, per FBC TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC TAS 202-94
4) Large Missile Impact Test per FBC TAS 201-94
5) Cyclic Wind Pressure Loading per FBC TAS 203-94
along with marked-up drawings and installation diagram of window wall,
prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0243-1012-03-**
03- (specimen 2) and **HTL 0243-0516-04** (specimen 2), dated 10/6/03-05/24/04,
signed and sealed by Vinu J. Abraham, P. E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by W.W. Schaefer
Engineering & Consulting, P.A., dated August 22, 2001 by Warren W. Schaefer,
P.E.
“Submitted under NOA # 02-0115.11”
2. Anchor Calculations, ASTM- E 1300, and structural analysis, prepared by W.W.
Schaefer Engineering & Consulting, P.A., dated June 15, 2004 by Warren W.
Schaefer, P.E.

D. QUALITY ASSURANCE

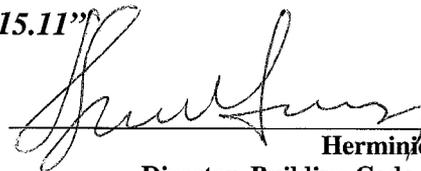
1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **03-0514.15** issued to Oldcastle Glass Inc. for “Storm
Glass”, expiring on 12/11/04.
2. Notice of Acceptance No. **03-0916.02** issued to Nebula Glass International, Inc.
for “Glasslam Safety-Plus Laminated Glass”, expiring on 09/09/08.

F. STATEMENTS

1. Statement letter of conformance, dated October 23, 2001, signed and sealed by
Warren W. Schaefer, P. E.
“Submitted under NOA # 02-0115.11”
2. Statement letter of no financial interest, dated October 23, 2001, signed and
sealed by Warren W. Schaefer, P. E.
“Submitted under NOA # 02-0115.11”
3. Statement letter of compliance, submitted as part of test report issued by
Fenestration Testing laboratory, Test Report No. HTL 01049, signed and sealed
by Vinu J. Abraham, P. E.
“Submitted under NOA # 02-0115.11”



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 04-1013.03
Expiration Date: March 21, 2007
Approval Date: December 02, 2004

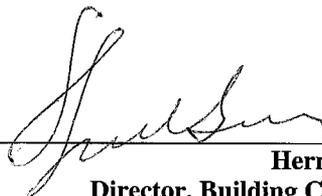
Signature Door, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Statement letter of code compliance and no financial interest, dated June 15, 2004, signed and sealed by Warren W. Schaefer, P. E.

G. OTHER

1. Notice of Acceptance No. **02-0115.11**, issued to Signature Door, Inc. for their Direct Glazed Impact Window, approved on 03/21/02 and expiring on 03/21/07.
2. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC)



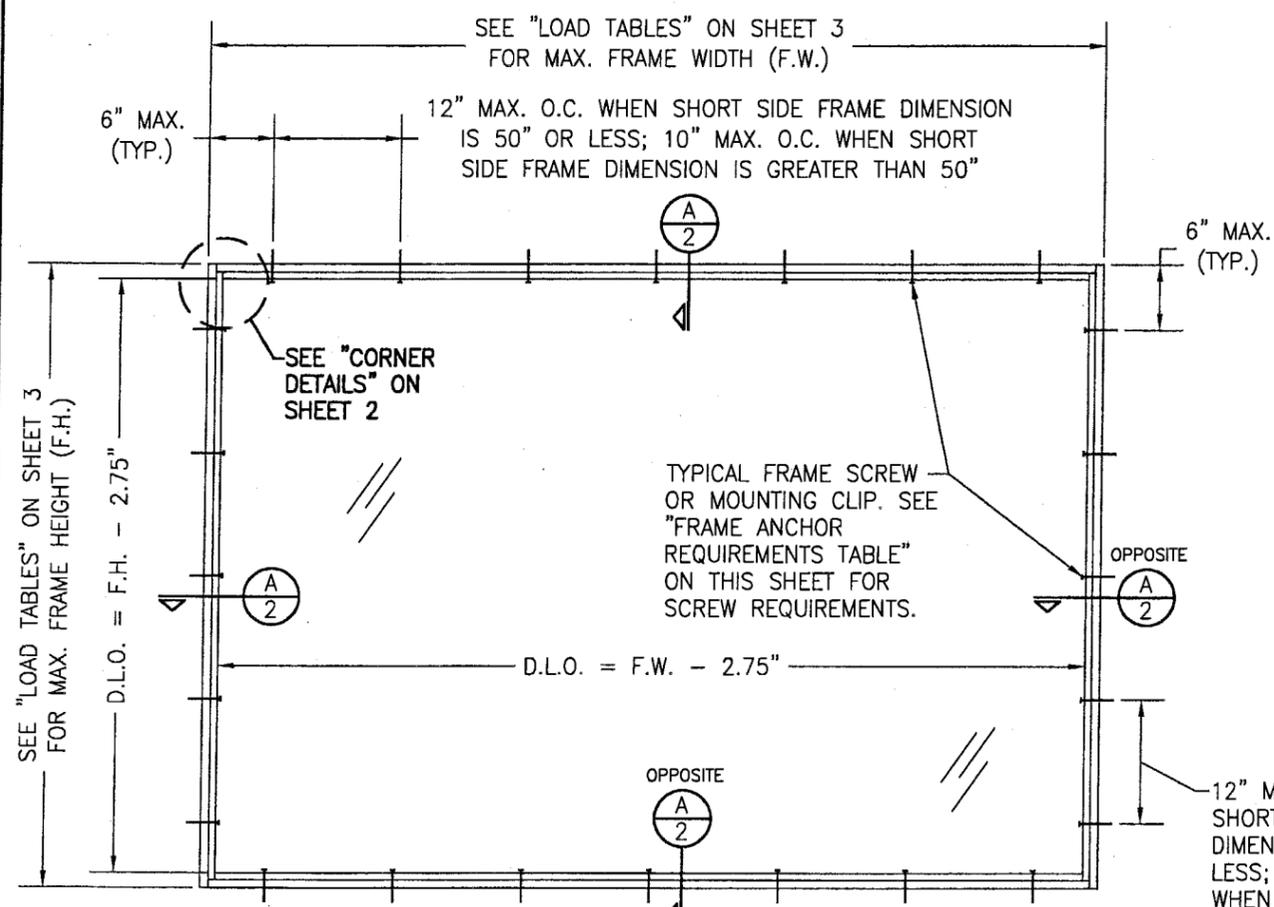
Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office

NOA No 04-1013.03

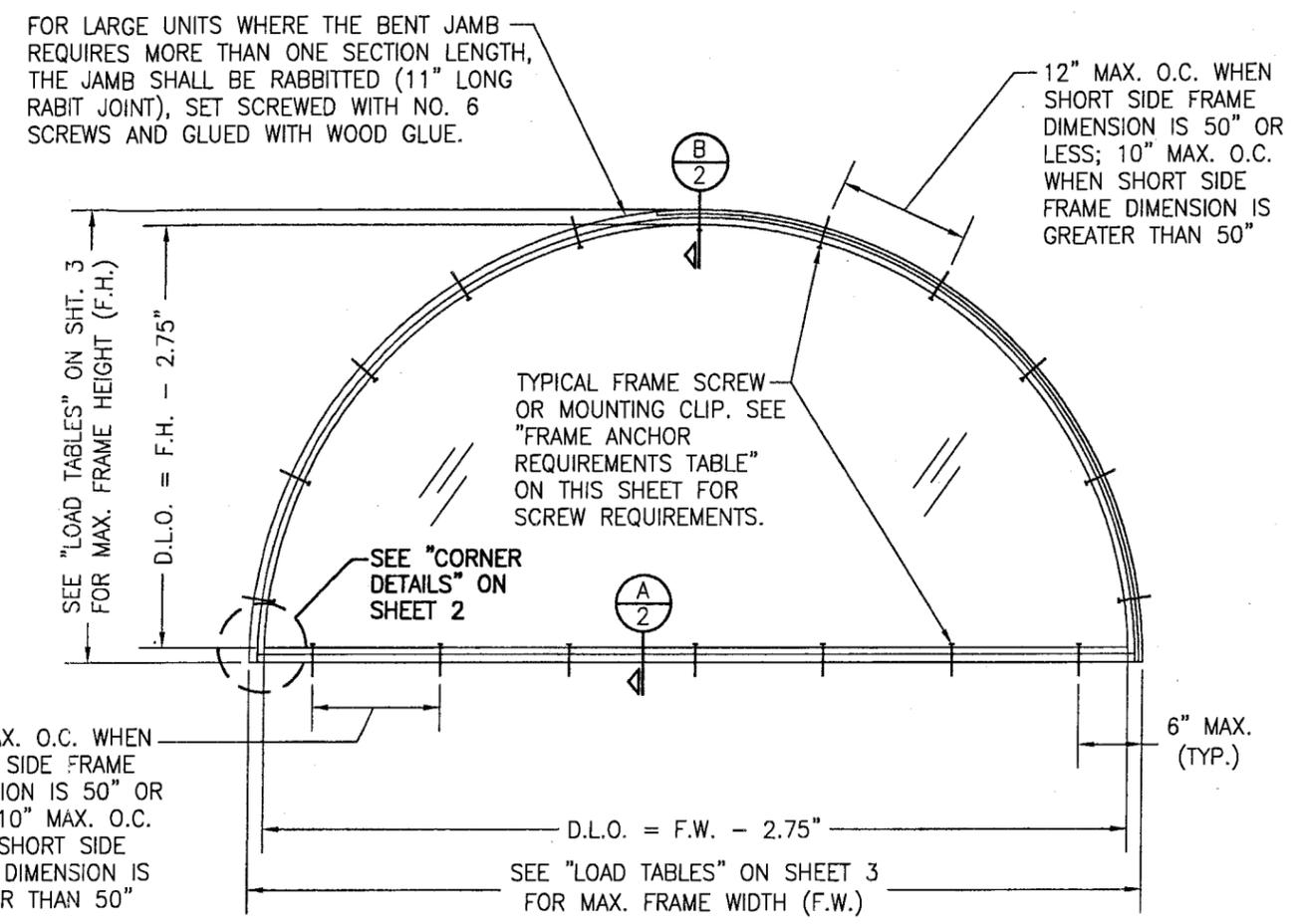
Expiration Date: March 21, 2007

Approval Date: December 02, 2004

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 08/01/01
DATE 06/03/04	BY K.P.S.
REVISION DESCRIPTION & NOTES	
NO. A1	REVISED DIMENSIONS
DRAWING TITLE DIRECT GLAZED IMPACT WINDOW	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER SIGNATURE DOOR, INC. 401 JUNIATA STREET ALTOONA, PA 16602 800-741-2265
CERTIFICATION JUN 24 2004	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1065	REV. A
SHEET NO. 1 OF 4	



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



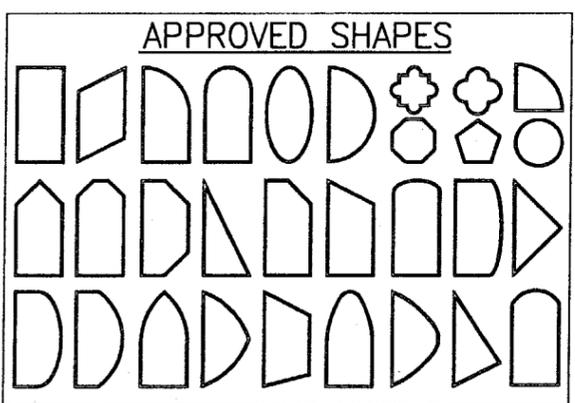
**EXTERIOR ELEVATION
HALF ROUND WINDOW**
(OTHER RADIUS/CURVE SHAPES SIMILAR)
SCALE: 3/4"=1'-0"

ALLOWABLE DESIGN PRESSURE
SEE LOAD TABLES ON SHEET 4

OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE (ANCHOR)	MINIMUM EMBED	MINIMUM EDGE DIST.
2X WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 3/8"	1"
CMU/CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/4"	2"
2X WOOD FRAME OR BUCK	MOUNTING CLIP W/#8 SCREWS	1 3/8"	1/2"

(1) CONCRETE SCREWS SHALL BE ELCO OR 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. 2 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2x4 BUCK, MOUNTING CLIPS OR NO. 10 SHEAR 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.



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.

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 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 AND ASTM E1996 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) FOR HIGH VELOCITY HURRICANE ZONES (HVHZ).
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.

FOR LARGE UNITS WHERE THE BENT JAMB REQUIRES MORE THAN ONE SECTION LENGTH, THE JAMB SHALL BE RABBETED (11" LONG RABBIT JOINT), SET SCREWED WITH NO. 6 SCREWS AND GLUED WITH WOOD GLUE.

SEE "LOAD TABLES" ON SHEET 3 FOR MAX. FRAME HEIGHT (F.H.)

SEE "LOAD TABLES" ON SHT. 3 FOR MAX. FRAME HEIGHT (F.H.)

SEE "CORNER DETAILS" ON SHEET 2

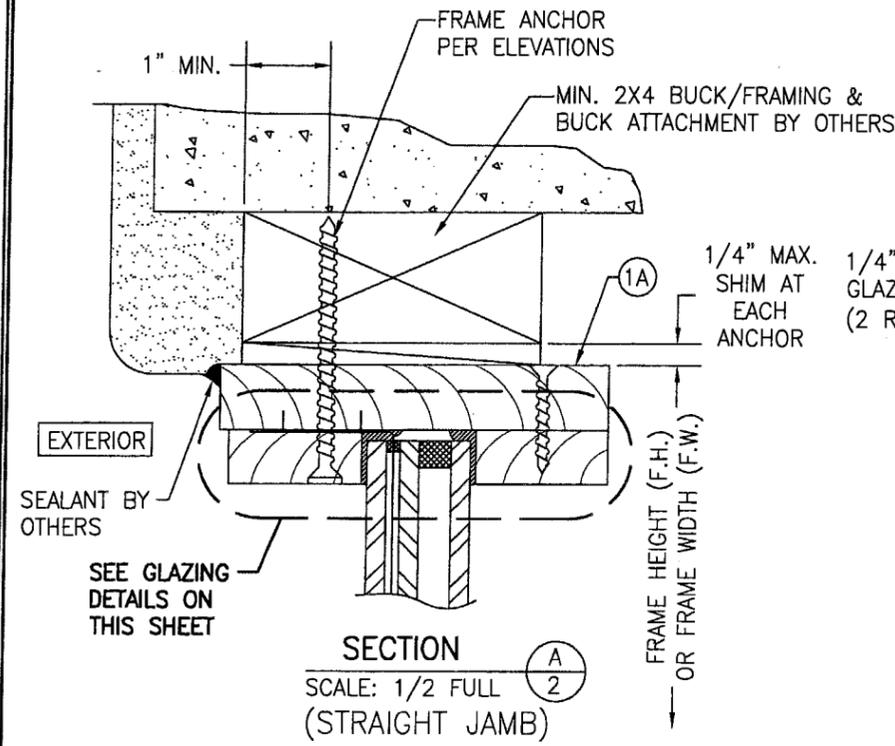
SEE "CORNER DETAILS" ON SHEET 2

TYPICAL FRAME SCREW OR MOUNTING CLIP. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.

TYPICAL FRAME SCREW OR MOUNTING CLIP. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.

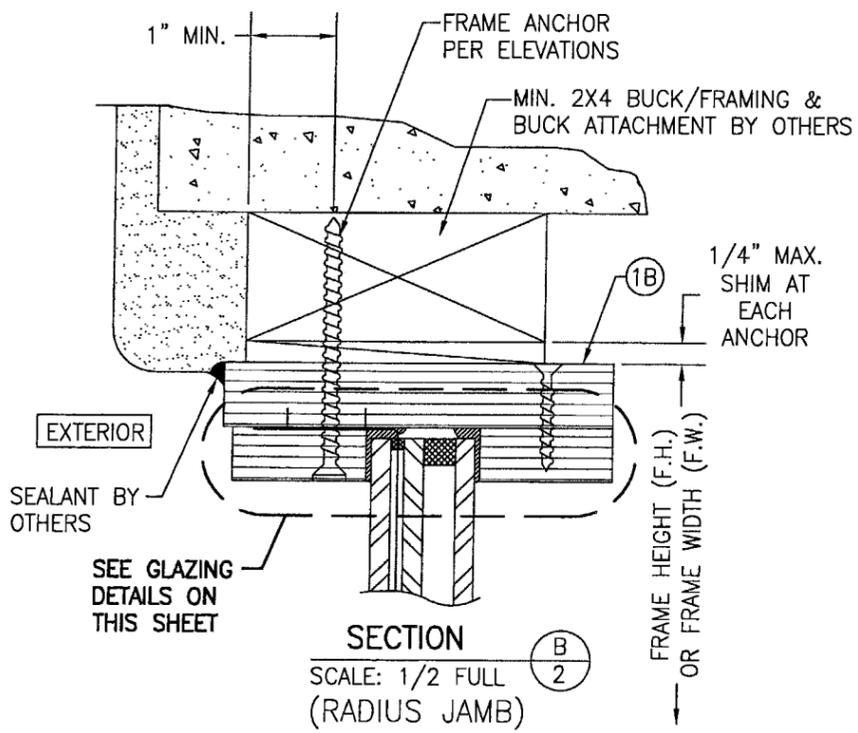
12" MAX. O.C. WHEN SHORT SIDE FRAME DIMENSION IS 50" OR LESS; 10" MAX. O.C. WHEN SHORT SIDE FRAME DIMENSION IS GREATER THAN 50"

12" MAX. O.C. WHEN SHORT SIDE FRAME DIMENSION IS 50" OR LESS; 10" MAX. O.C. WHEN SHORT SIDE FRAME DIMENSION IS GREATER THAN 50"

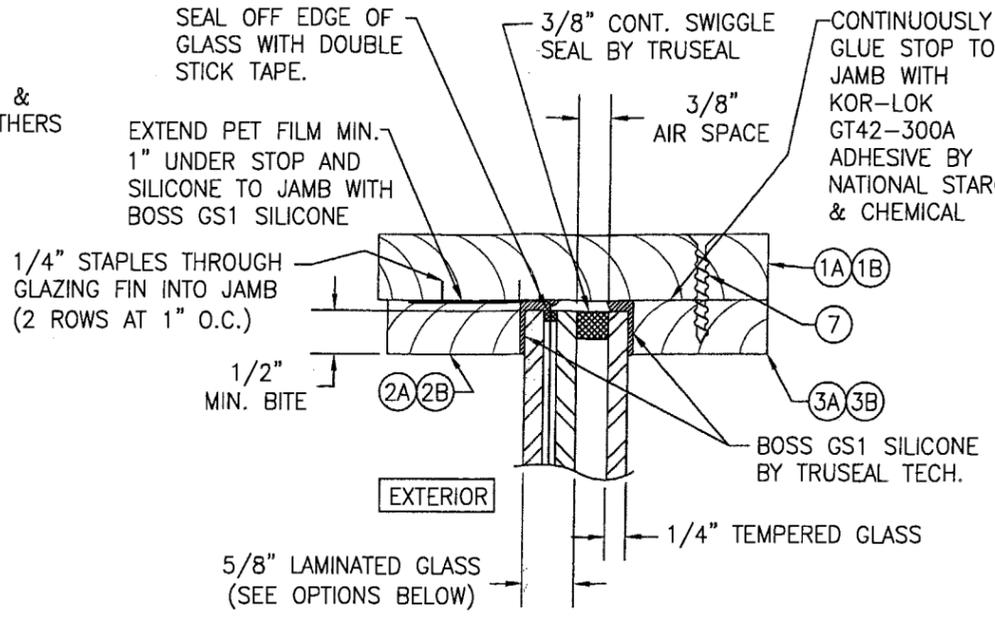


SECTION A
SCALE: 1/2 FULL
(STRAIGHT JAMB)

NOTE: A DECORATIVE BRICK MOLD MAY BE USED AT INTERIOR OR EXTERIOR TO FINISH OFF FRAMING.

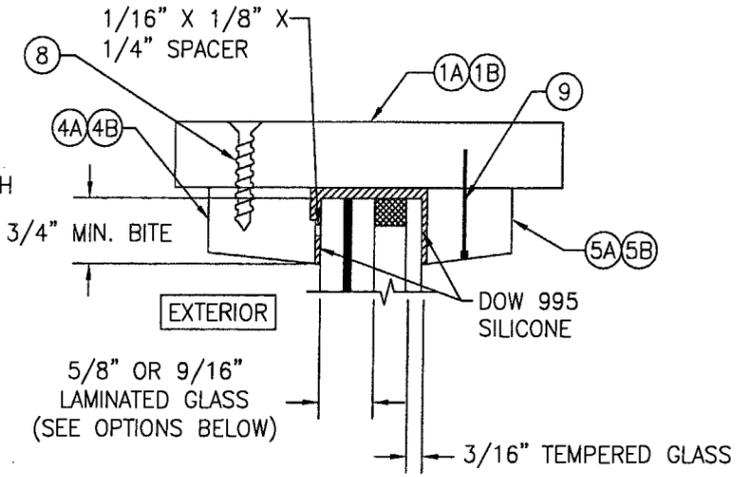


SECTION B
SCALE: 1/2 FULL
(RADIUS JAMB)



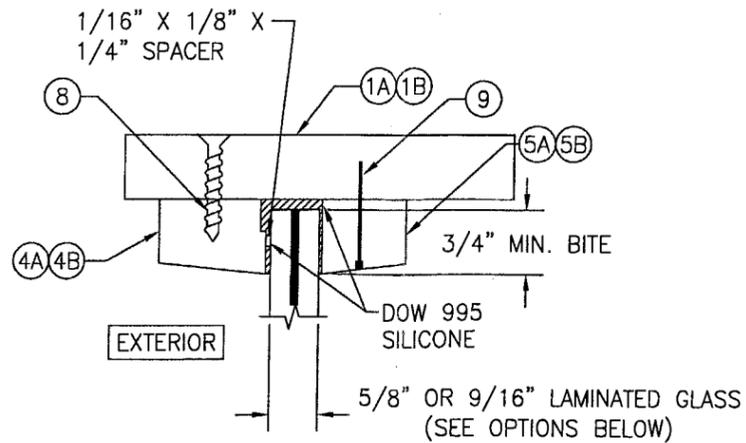
GLAZING DETAIL 1

- OPTION 1: 5/8" THICK NEBULA GLASSLAM SAFETY PLUS LAMINATED GLASS (1/4" AN/0.077 RESIN/0.009 PET/0.077 RESIN/1/4" AN)
- OPTION 2: 5/8" THICK NEBULA GLASSLAM SAFETY PLUS LAMINATED GLASS (1/4" H.S./0.077 RESIN/0.009 PET/0.077 RESIN/1/4" H.S.)



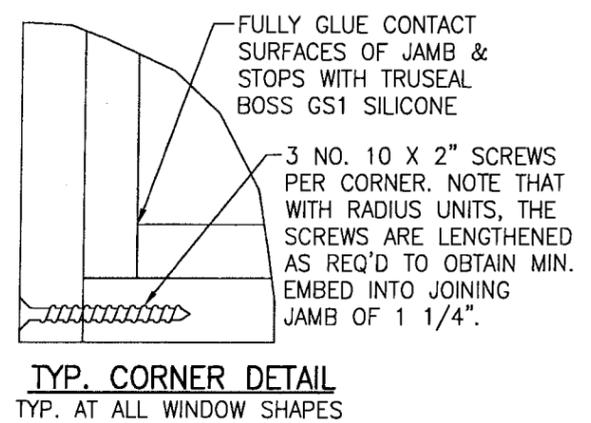
GLAZING DETAIL 2

- OPTION 3: 5/8" THICK GLASSLAM SAFETY PLUS II LAMINATED GLASS (1/4" AN/0.1" POLYURETHANE POLYMER/1/4" AN)
- OPTION 4: 9/16" THICK OLDCASTLE STORMGLASS LAMINATED GLASS (1/4" AN/0.075" STORMGLASS/1/4" AN)



GLAZING DETAIL 3

- OPTION 5: 5/8" THICK GLASSLAM SAFETY PLUS II LAMINATED GLASS (1/4" AN/0.1" POLYURETHANE POLYMER/1/4" AN)
- OPTION 6: 9/16" THICK OLDCASTLE STORMGLASS LAMINATED GLASS (1/4" AN/0.075" STORMGLASS/1/4" AN)



TYP. CORNER DETAIL
TYP. AT ALL WINDOW SHAPES

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 04-1013.03
Expiration Date 03/21/07
By: [Signature]
Miami Date: [Signature]
Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 08/01/01	
NO.	REVISION DESCRIPTION & DETAILS	DATE	BY
A1	REVISE SECTIONS & DETAILS	08/03/04	K.P.S.
A2	ADD GLAZING DETAILS & PARTS	08/03/04	K.P.S.
DRAWING TITLE DIRECT GLAZED IMPACT WINDOW			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER SIGNATURE DOOR, INC.	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		401 JUNIATA STREET ALTOONA, PA 16602 800-741-2265	
CERTIFICATION JUN 24 2004		By: [Signature] WARREN W. SCHAEFER, P.E. P.E. NO. 44-135	
DRAWING NO. 1065		REV. A	
SHEET NO. 2		OF 4	

ALLOWABLE DESIGN PRESSURE (1/2" ACTUAL GLASS)
GLASS OPTION 1 (I.G. WITH 5/8" ANNEALED LAMINATED GLASSLAM SAFETY GLASS PLUS)

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)																										
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.			
36"	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0			
42"	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0			
48"	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	76.1	65.0	72.1	65.0	69.9	65.0	69.1	65.0	66.2	
54"	65.0	80.0	65.0	80.0	65.0	73.5	65.0	66.4	61.4	61.4	65.0	80.0	65.0	76.0	65.0	71.5	65.0	67.3	64.2	64.2	62.4	62.4	61.6	61.6			
58"	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	81.7	65.0	76.9	65.0	71.5	65.0	67.1	63.1	63.1	59.3	59.3	57.4	57.4					
60"	62.4	76.8	62.4	76.8	62.4	76.8	62.4	76.8	62.4	76.8	62.4	75.0	62.4	69.5	62.4	65.4	61.3	61.3									
66"			56.8	69.8	56.8	69.8	56.8	69.8	56.8	69.8	56.8	69.8	56.8	69.8	56.8	69.8	56.8	60.8									
72"					52.0	64.0	52.0	64.0	52.0	64.0	52.0	64.0															
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	118"	120"	132"	144"													

ALLOWABLE DESIGN PRESSURE (1/2" ACTUAL GLASS)
GLASS OPTION 2 (I.G. WITH 5/8" HEAT STRENGTHENED LAMINATED GLASSLAM SAFETY GLASS PLUS)

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)																										
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.			
42"	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	
48"	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	
54"	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	
58"	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0	
60"	62.4	76.8	62.4	76.8	62.4	76.8	62.4	76.8	62.4	76.8	62.4	76.8	62.4	76.8	62.4	76.8	62.4	76.8									
66"			56.8	69.8	56.8	69.8	56.8	69.8	56.8	69.8	56.8	69.8	56.8	69.8	56.8	69.8	56.8	69.8									
72"					52.0	64.0	52.0	64.0	52.0	64.0	52.0	64.0															
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	118"	120"	132"	144"													

ALLOWABLE DESIGN PRESSURE (1/2" ACTUAL GLASS)
GLASS OPTION 3 & 4 (I.G. WITH 5/8" LAMINATED GLASSLAM SAFETY GLASS PLUS II OR 9/16" OLDCASTLE STORMGLASS)

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)																										
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.			
30"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	
36"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	
42"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	
48"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	
50"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	
54"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	
60"	62.4	75.0	62.4	75.0	62.4	75.0	62.4	75.0	62.4	75.0																	
66"			56.8	69.8	56.8	69.8																					
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	96"	98"	102"	108"	114"	120"	132"	144"													

ALLOWABLE DESIGN PRESSURE (1/2" ACTUAL GLASS)
GLASS OPTION 5 & 6 (5/8" LAMINATED GLASSLAM SAFETY GLASS PLUS II OR 9/16" OLDCASTLE STORMGLASS)

(1) SHORT DIMENSION	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)																										
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.			
30"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	
36"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	
42"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	
48"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	
50"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	74.4	65.0	73.2									
54"	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	75.0	65.0	74.4											
60"	62.4	75.0	62.4	75.0	62.4	75.0	62.4	75.0																			
66"			56.8	69.8	56.8	69.8																					
(1) LONG DIMENSION	60"	66"	72"	78"	84"	90"	96"	98"	102"	108"	114"	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.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=1	DATE: 08/01/01
BY: DATE	06/03/04
K.P.S.	06/03/04
REVISION DESCRIPTION	
REVISED PRESSURE TABLES	
ADDED SHEET 4	
NO. A1	
A2	

DIRECT GLAZED IMPACT WINDOW

MANUFACTURER
SIGNATURE DOOR, INC.
 401 JUNIATA STREET
 ALTOONA, PA 16602
 800-741-2265

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
 8895 N. MILITARY TRAIL, SUITE C-204
 PALM BEACH GARDENS, FL 33410
 PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION
JUN 24 2004
 PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No 04-1013.03
 Expiration Date 03/21/07
 By *Warren W. Schaefer*
 Warren W. Schaefer, P.E.
 P.E. NO. 44135

DRAWING NO. 1065
 SHEET NO. 4 OF 4