



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 Doors, 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: 8 Foot Wood Panel Inswing Impact Doors**

**APPROVAL DOCUMENT:** Drawing No. 1257, titled "8 Foot Wood Panel Inswing Impact Doors", sheets 1 through 10 of 10, prepared by Warren W. Schaefer, P. E., dated 11/25/03, 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 Impact Test**

**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 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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

*Handwritten signature and date:*  
 3/24/2004



**NOA No 04-0211.08**  
**Expiration Date: April 22, 2009**  
**Approval Date: April 22, 2004**  
 Page 1

Signature Door, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1257**, titled "8 Foot Wood Panel Inswing Impact Doors", sheets 1 through 10 of 10, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 11/25/03, signed and sealed by Warren 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) Large Missile Impact Test per FBC, TAS 201-94  
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an inswing wood door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0243-1013-03**, Specimen # 1, dated October 6, 2003, signed and sealed by Vinu J. Abraham, P. E.
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 02-94  
3) Large Missile Impact Test per FBC, TAS 201-94  
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
5) Forced Entry Test, per FBC 2411.3.2.1(b) and TAS 202-94  
along with marked-up drawings and installation diagram of an inswing wood door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0243-1013-03**, Specimen # 2, dated October 7, 2003, 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 02-94  
3) Large Missile Impact Test per FBC, TAS 201-94  
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
5) Forced Entry Test, per FBC 2411.3.2.1(b) and TAS 202-94  
along with marked-up drawings and installation diagram of an inswing wood door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL - 0243-1013-03**, Specimen # 4, dated October 8, 2003, signed and sealed by Vinu J. Abraham, P. E.



Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 04-0211.08

Expiration Date: April 22, 2009

Approval Date: April 22, 2004

Signature Door, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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  
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 an inswing wood door,  
prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL - 0243-1013-03**,  
Specimen # 6, dated October 21, 2003, signed and sealed by Vinu J. Abraham, P. E.

**C. CALCULATIONS**

1. Anchor Calculations and ASTM-E1300-98 analysis, dated 01/20/04, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren Schaefer, P.E.

**D. QUALITY ASSURANCE**

1. Miami Dade County Building Code Compliance Office.

**E. MATERIAL CERTIFICATIONS**

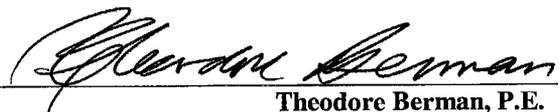
1. Notice of Acceptance No. **03-0916.02** issued to Nebula Glass International Inc. for "Glasslam Safety-Plus Laminated Glass", dated 10/23/03 expiring on 09/09/08.

**F. STATEMENTS**

1. Statement letter of conformance, dated February 9, 2004, signed and sealed by Warren W. Schaefer, P. E.  
2. Statement letter of no financial interest, dated February 9, 2004, signed and sealed by Warren W. Schaefer, P. E.

**G. OTHER**

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



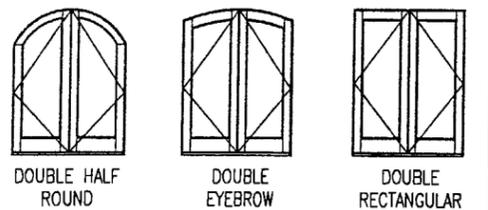
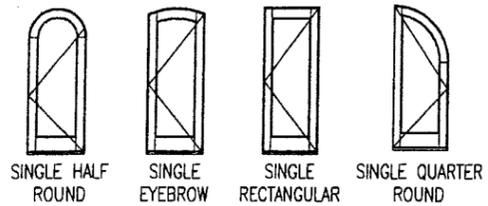
Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 04-0211.08

Expiration Date: April 22, 2009

Approval Date: April 22, 2004



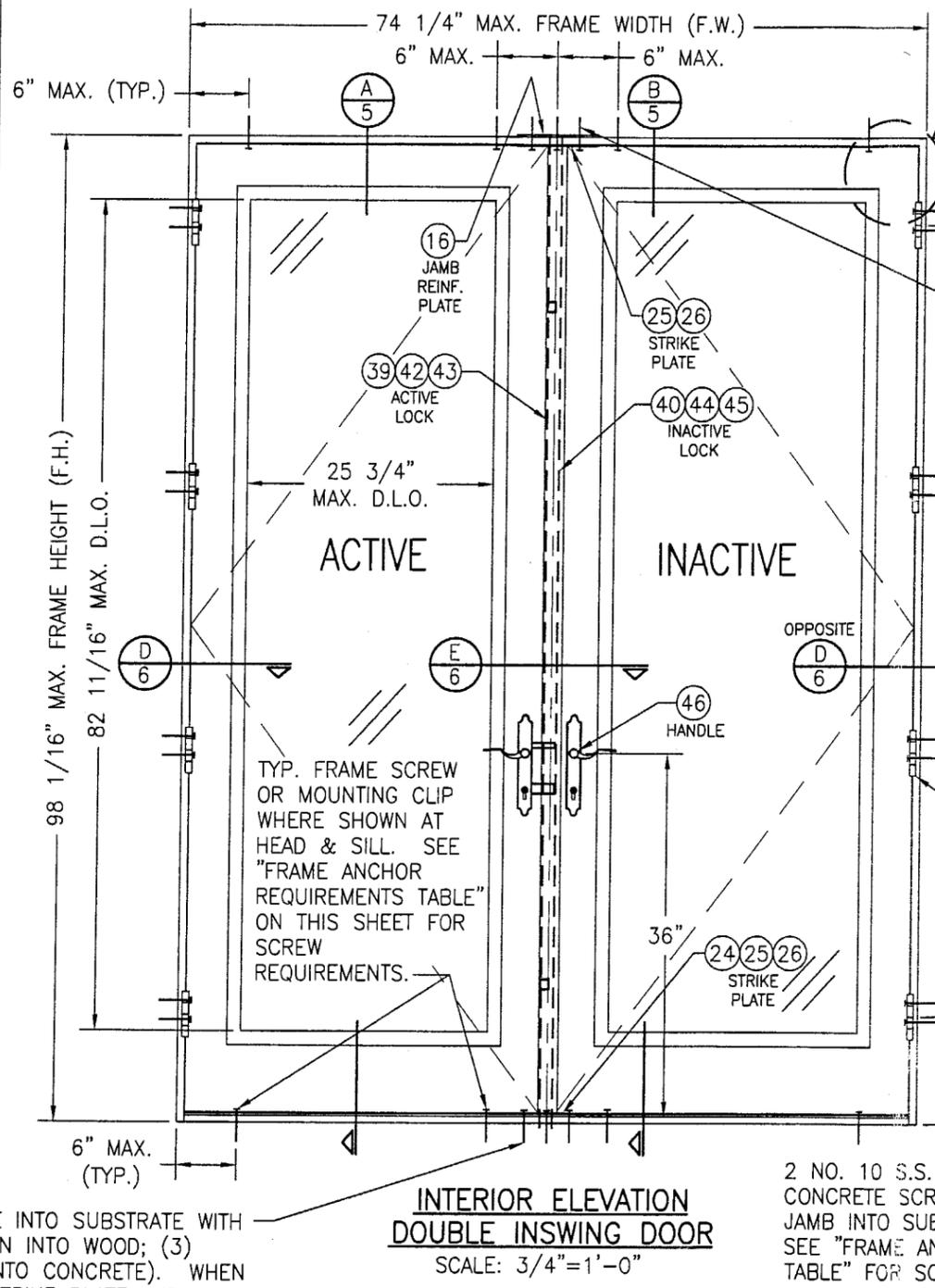
SHAPES CONSIDERED AS PART OF THIS APPROVAL

HINGE REQUIREMENTS	
DOOR HEIGHT	# HINGES REQ'D
6'-8"	3
TALLER THAN 6'-8"	(1) 4

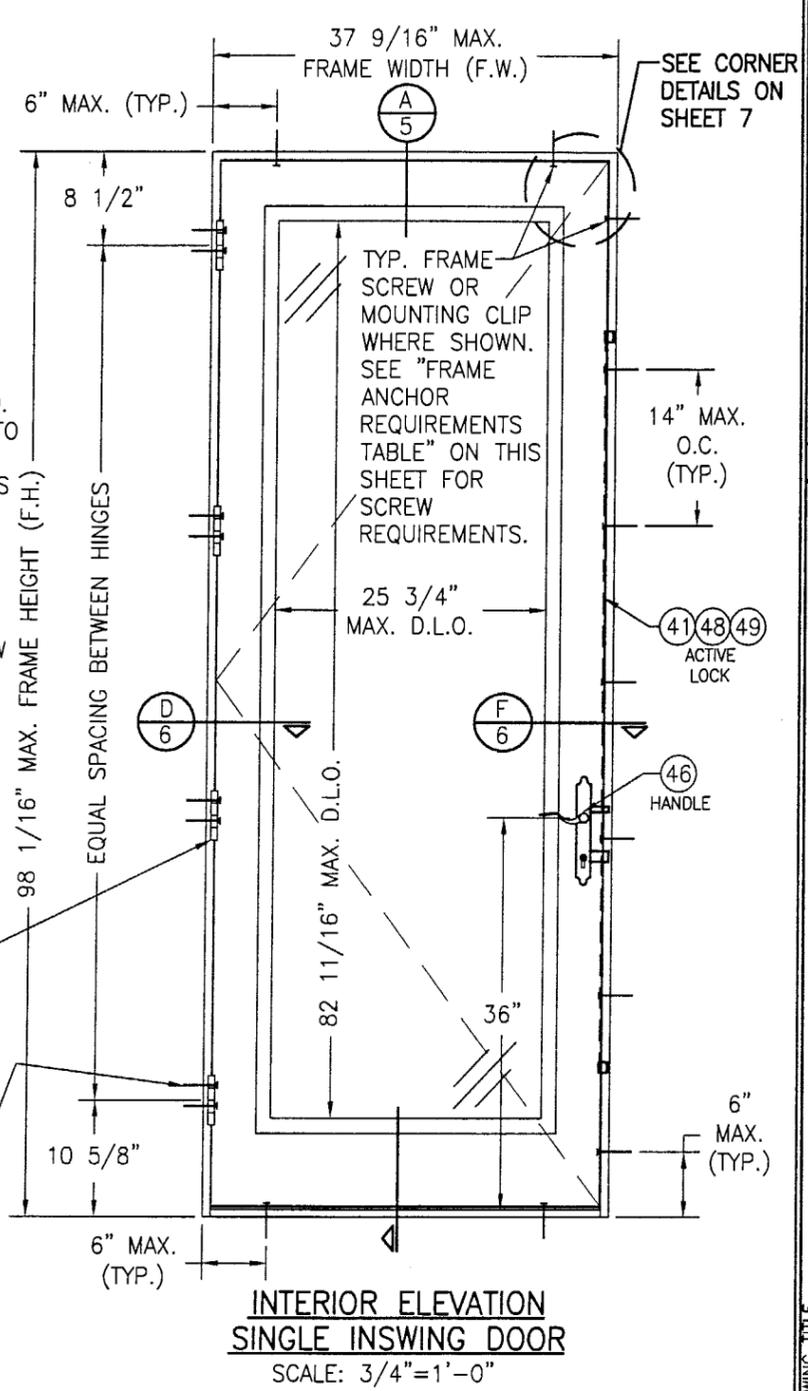
(1) 3 HINGES REQUIRED WITH ALL HEIGHTS OF DOUBLE HALF ROUND & SINGLE QUARTER ROUND DOORS

ALLOWABLE DESIGN PRESSURE  
SEE LOAD TABLE ON SHEET 8

NOTE: DOORS MAY BE FULLY GLAZED AS SHOWN, PARTIALLY PANELED OR FULLY PANELED. SEE SHEET 4 ELEVATION FOR PANELED DOORS.



INTERIOR ELEVATION  
DOUBLE INSWING DOOR  
SCALE: 3/4"=1'-0"



INTERIOR ELEVATION  
SINGLE INSWING DOOR  
SCALE: 3/4"=1'-0"

FASTENERS THROUGH STRIKE PLATE INTO SUBSTRATE WITH BUMPER SILL (5 NO. 10 SMS WHEN INTO WOOD; (3) 3/16\"/>

2 NO. 10 S.S. SCREWS OR 3/16\"/>

NOTE: SINGLE DOOR SHOWN HAS THE 3-POINT LOCK SYSTEMS. AN ALTERNATE LOCK MAY BE A SINGLE POINT BALDWIN 6021 MORTISE LOCK. IF THE MORTISE LOCK IS USED, ALLOWABLE DESIGN PRESSURE SHALL BE THE LESSER OF +/-60 PSF. OR THE LOADS IN THE LOAD TABLES.

FRAME ANCHOR REQUIREMENTS TABLE			
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\"/>		
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, 1/4\"/>

Approved as complying with the Florida Building Code  
Date 04/22/04  
NOA# 04-0211-DB  
Miami Dade Product Control  
By *Wendell Beaman*

- GENERAL NOTES**
- THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE.
  - BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
  - ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
  - 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 FOR LARGE MISSILE IMPACT DOORS.
  - THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (F.B.C.) FOR HIGH VELOCITY HURRICANE ZONES (HVHZ).
  - IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
  - ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 11/25/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	

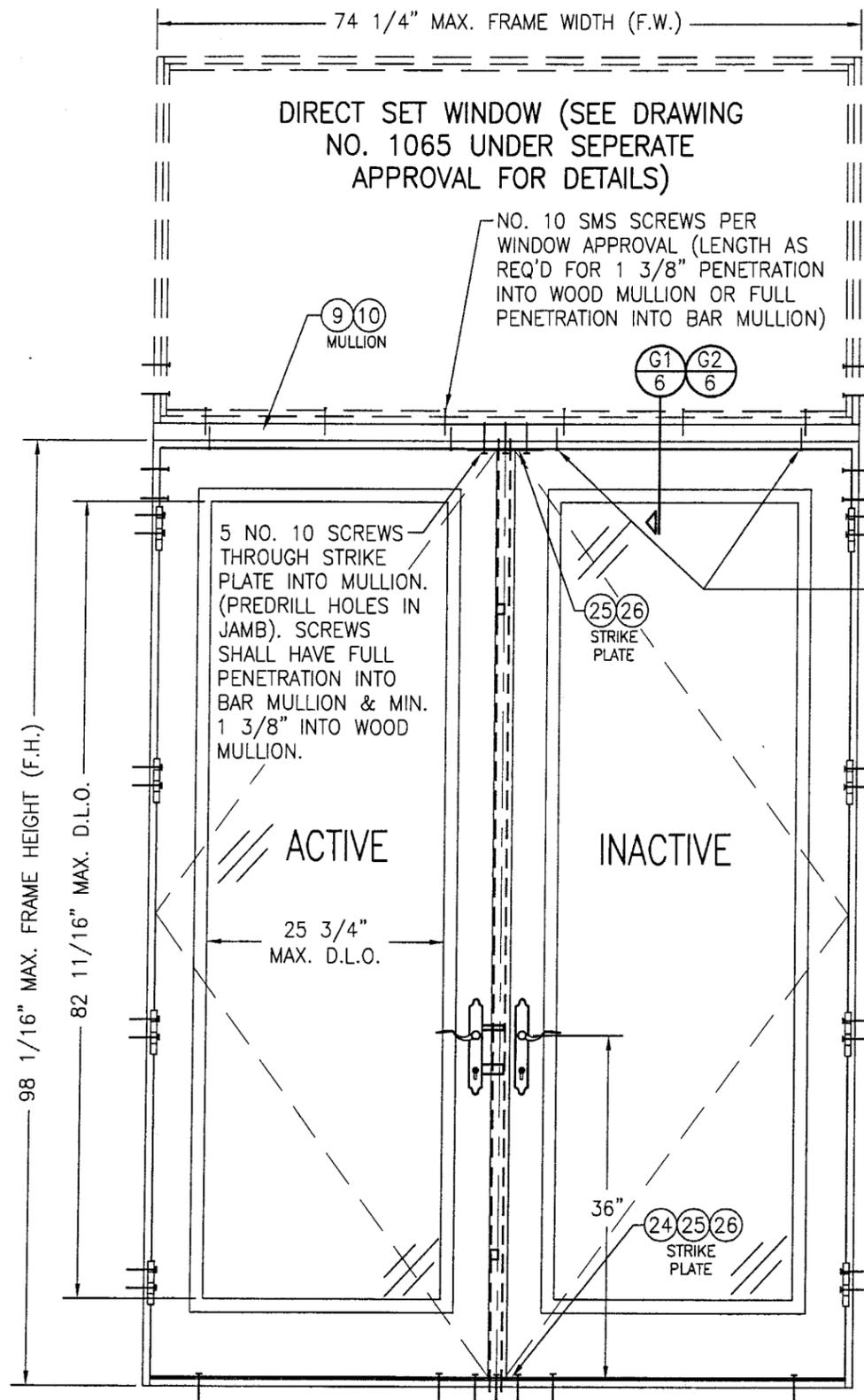
DRAWING TITLE: 8 FOOT WOOD INSWING IMPACT DOORS

MANUFACTURER: SIGNATURE DOOR INC.  
401 JUNIATA STREET  
ALTOONA, PA 16602  
814-949-2770

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
8855 N. MILITARY TRAIL, SUITE C-204  
PALM BEACH GARDENS, FL 33410  
PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION: FEB 09 2004  
W. W. SCHAEFER, P.E.  
P.E. NO. 44135

DRAWING NO. 1257  
SHEET NO. 1 OF 10



**INTERIOR ELEVATION  
DOUBLE DOOR WITH TRANSOM**

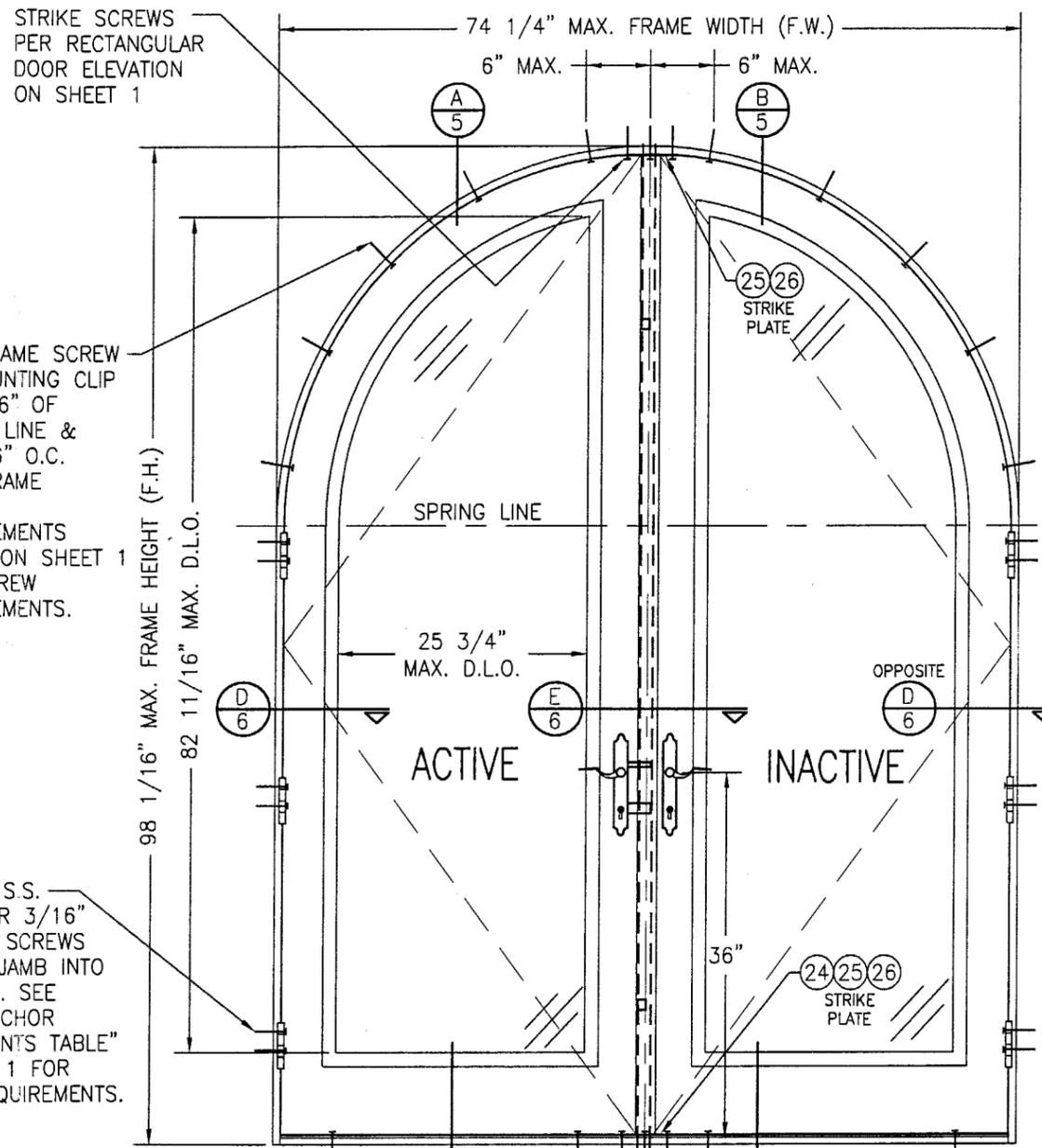
SCALE: 3/4"=1'-0"

SEE DOUBLE DOOR ELEVATION ON SHEET 1 FOR DETAIL NOT SHOWN

SILL AND STRIKE  
PLATE ANCHORS  
PER ELEVATION ON  
SHEET 1

Approved as complying with the  
Florida Building Code  
Date 04/22/04  
NOAH 04-0211-08  
Miami Dade Product Control  
Division  
By *[Signature]*

NOTE: DOORS MAY BE FULLY  
GLAZED AS SHOWN, PARTIALLY  
PANELED OR FULLY PANELED.  
SEE SHEET 4 ELEVATION FOR  
PANELED DOORS.



**INTERIOR ELEVATION  
DOUBLE HALF ROUND DOOR**

SCALE: 3/4"=1'-0"

SEE DOUBLE DOOR ELEVATION ON SHEET 1 FOR DETAIL NOT SHOWN

SILL AND STRIKE  
PLATE ANCHORS  
PER ELEVATION ON  
SHEET 1

2 NO. 10 S.S.  
SCREWS OR 3/16"  
CONCRETE SCREWS  
THROUGH JAMB INTO  
SUBSTRATE. SEE  
"FRAME ANCHOR  
REQUIREMENTS TABLE"  
ON SHEET 1 FOR  
SCREW REQUIREMENTS.

TYP. FRAME SCREW  
OR MOUNTING CLIP  
WITHIN 6" OF  
SPRING LINE &  
MAX. 16" O.C.  
SEE "FRAME  
ANCHOR  
REQUIREMENTS  
TABLE" ON SHEET 1  
FOR SCREW  
REQUIREMENTS.

2 NO. 10 FRAME  
SCREWS EA. SIDE  
OF MULLION AS  
SHOWN (TYP. EA.  
END). SEE ANCHOR  
REQ. TABLE ON  
SHEET 1.

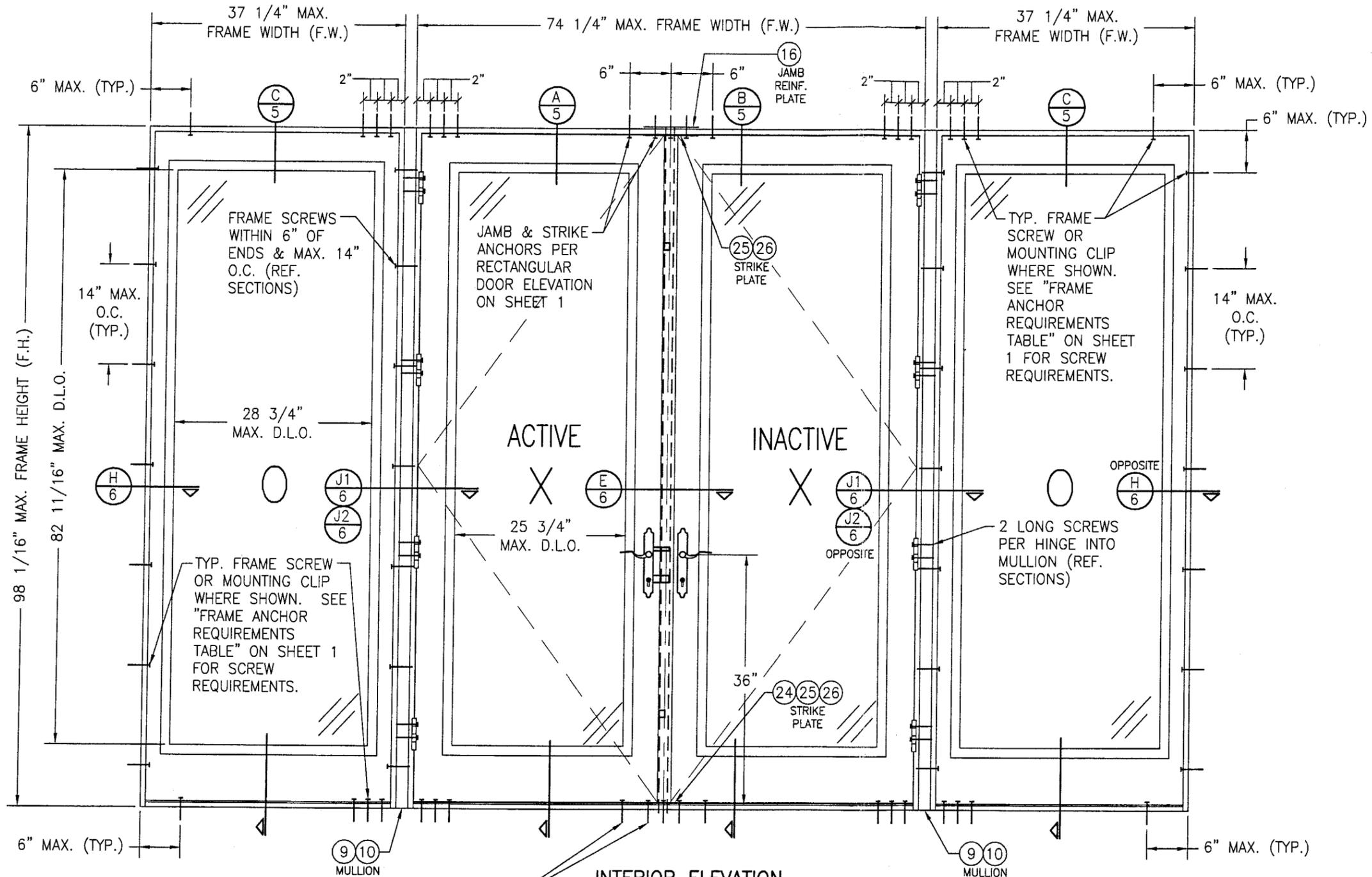
DOOR HEAD JAMB  
ANCHORS PER DOOR  
ELEVATION ON SHEET  
1 (LENGTH OF  
ANCHOR AS REQ'D  
FOR 1 3/8"  
PENETRATION INTO  
WOOD MULLION OR  
FULL PENETRATION  
INTO BAR MULLION)

NO. 10 SMS SCREWS PER  
WINDOW APPROVAL (LENGTH AS  
REQ'D FOR 1 3/8" PENETRATION  
INTO WOOD MULLION OR FULL  
PENETRATION INTO BAR MULLION)

DIRECT SET WINDOW (SEE DRAWING  
NO. 1065 UNDER SEPERATE  
APPROVAL FOR DETAILS)

5 NO. 10 SCREWS  
THROUGH STRIKE  
PLATE INTO MULLION.  
(PREDRILL HOLES IN  
JAMB). SCREWS  
SHALL HAVE FULL  
PENETRATION INTO  
BAR MULLION & MIN.  
1 3/8" INTO WOOD  
MULLION.

DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 11/25/03	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE <b>8 FOOT WOOD INSURING IMPACT DOORS</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
DRAWING MANUFACTURER <b>IGNATURE DOOR INC.</b> 101 JUNIATA STREET ALTOONA, PA 16602 814-949-2770			
CERTIFICATION <b>FEB 09 2004</b>		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. <b>1257</b>		REV.	
SHEET NO. <b>2</b>		OF <b>10</b>	



SILL AND STRIKE  
PLATE ANCHORS  
PER ELEVATION ON  
SHEET 1

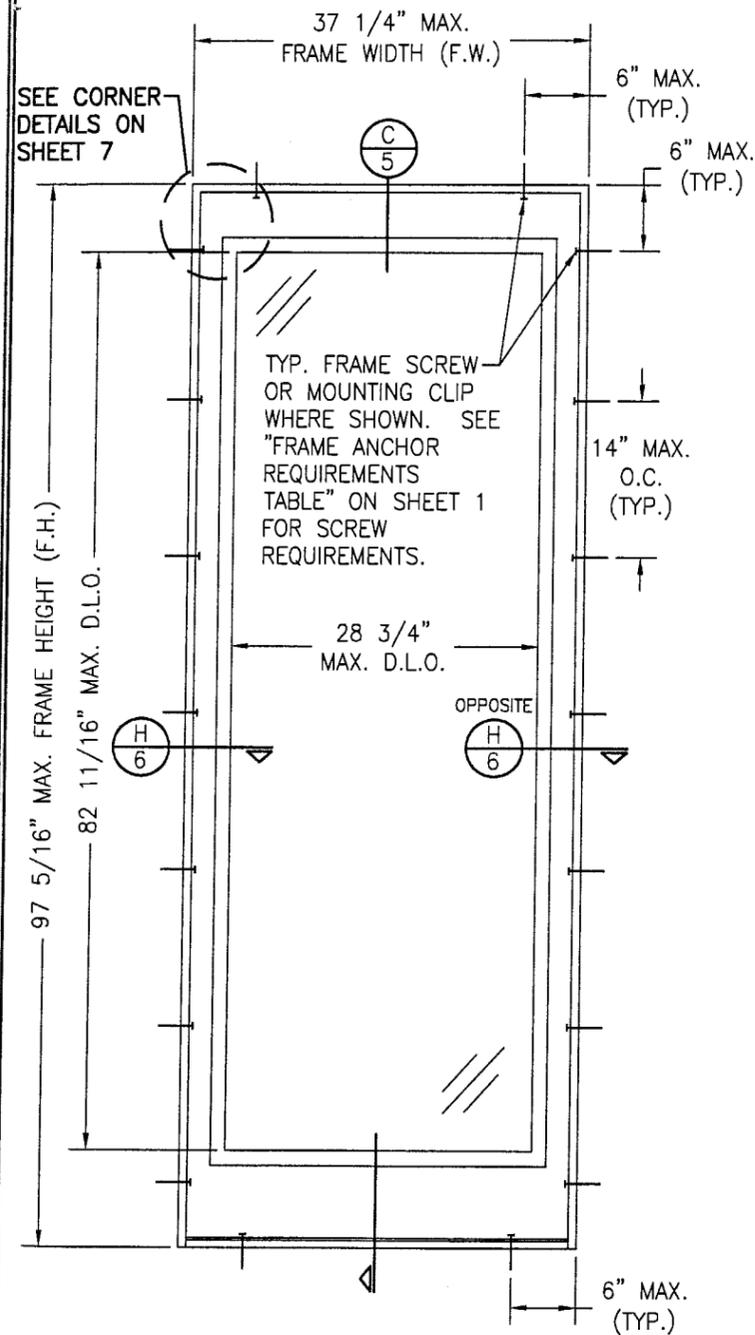
**INTERIOR ELEVATION  
MULTIPLE OPERABLE/FIXABLE UNIT**  
SCALE: 3/4"=1'-0"

NOTE: (FOR ANY DETAIL NOT SHOWN, SEE ELEVATION ON SHEET 1)  
OXOXO DOOR SHOWN. ALL OTHER 4-PANEL CONFIGURATIONS  
OF SINGLE/DOUBLE DOORS & SIDELIGHTS ALSO APPLY.

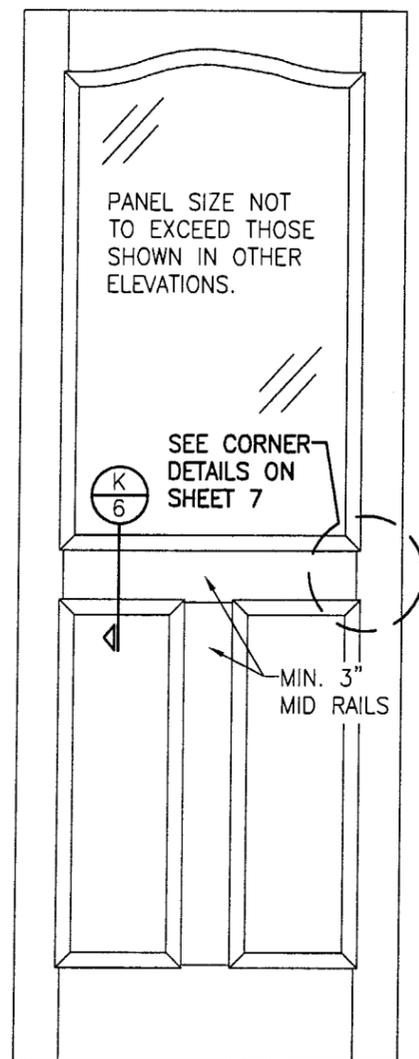
NOTE: DOORS MAY BE FULLY  
GLAZED AS SHOWN, PARTIALLY  
PANELED OR FULLY PANELED.  
SEE SHEET 4 ELEVATION FOR  
PANELED DOORS.

Approved as complying with the  
Florida Building Code  
Date 04/22/04  
NOA# 04-0211.08  
Miami Dade Product Control  
Div. 1  
By Warren W. Schaefer

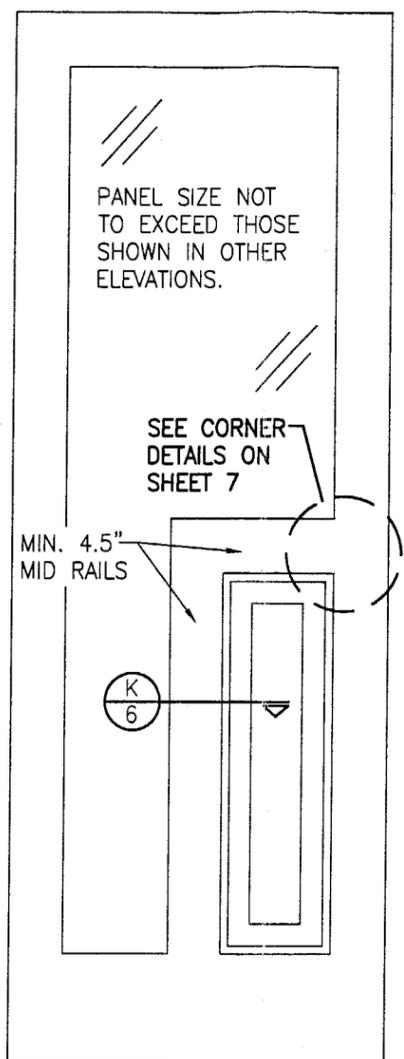
DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 11/25/03	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE <b>8 FOOT WOOD INSWING IMPACT DOORS</b>		MANUFACTURER <b>SIGNATURE DOOR INC.</b> 401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		CERTIFICATION <b>FEB. 09 2004</b> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. <b>1257</b>		REV.	
SHEET NO. <b>3</b>		OF 10	



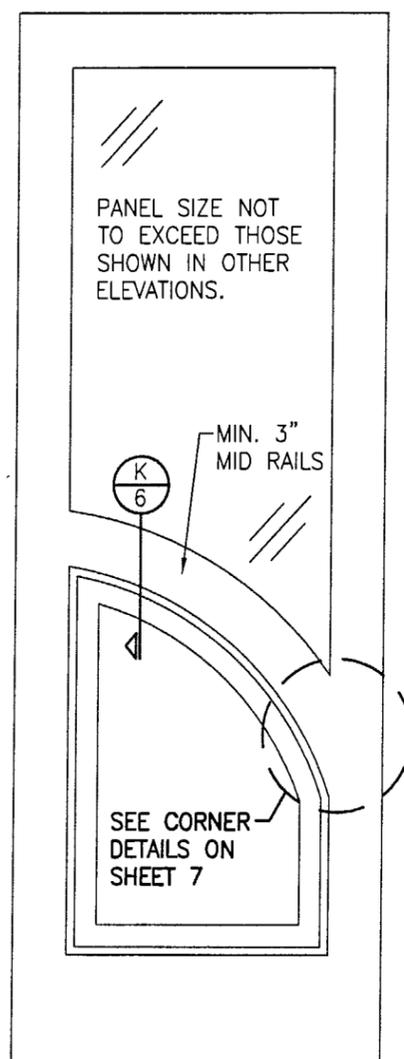
**INTERIOR ELEVATION  
SINGLE FIXED PANEL**  
SCALE: 3/4"=1'-0"



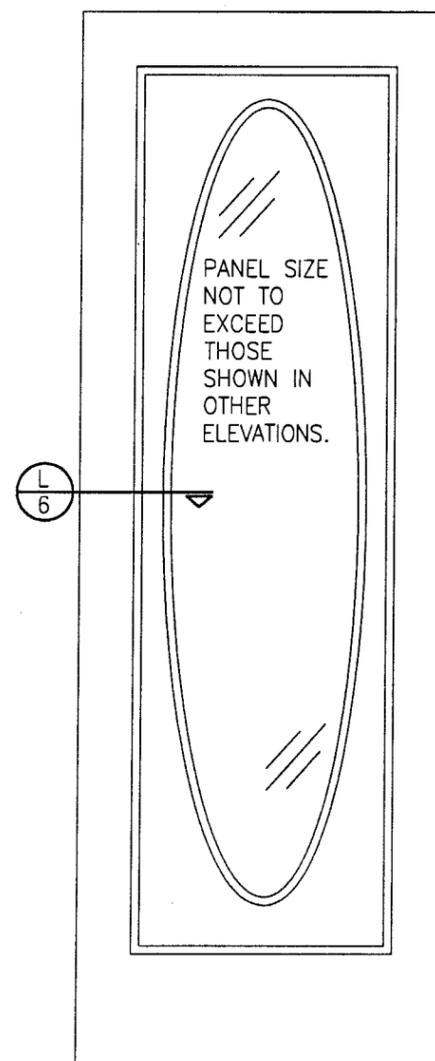
**INTERIOR ELEVATION SOLID  
RAISED PANEL WITH  
STANDARD MID RAILS**  
SCALE: 3/4"=1'-0"



**INTERIOR ELEVATION SOLID  
RAISED PANEL WITH  
CORNERED MID RAILS**  
SCALE: 3/4"=1'-0"



**INTERIOR ELEVATION  
SOLID RAISED PANEL WITH  
ARCHED/SHAPED MID RAILS**  
SCALE: 3/4"=1'-0"



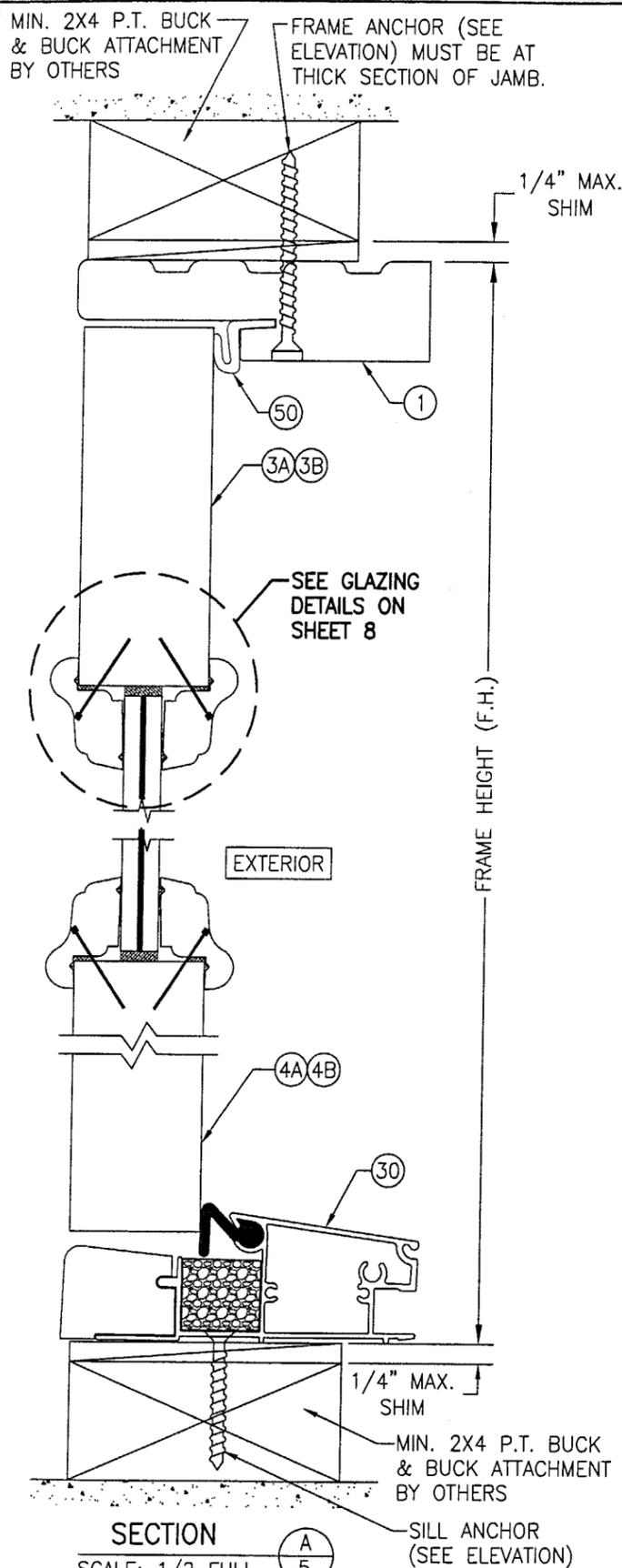
**INTERIOR ELEVATION  
RAISED PANEL WITH GLASS  
GLAZED TO PANEL**  
SCALE: 3/4"=1'-0"

- 1) TOP & MID RAILS MAY BE OF ANY CONFIGURATION PROVIDING THE SMALLEST CROSS SECTION OF RAILS IS EQUAL TO OR LARGER THAN THAT DETAILED IN DRAWINGS.
- 2) MULTIPLE MID RAIL (BOTH HORIZONTAL & VERTICAL) MAY BE USED WITH THESE PANELS.
- 3) PARTIAL PANEL CONDITION IS SHOWN ABOVE. FULL PANEL DOORS AND OTHER PANEL CONFIGURATIONS ARE ALSO PART OF THIS APPROVAL AND ARE SIMILAR IN CONSTRUCTION TO THAT SHOWN ABOVE.
- 4) PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

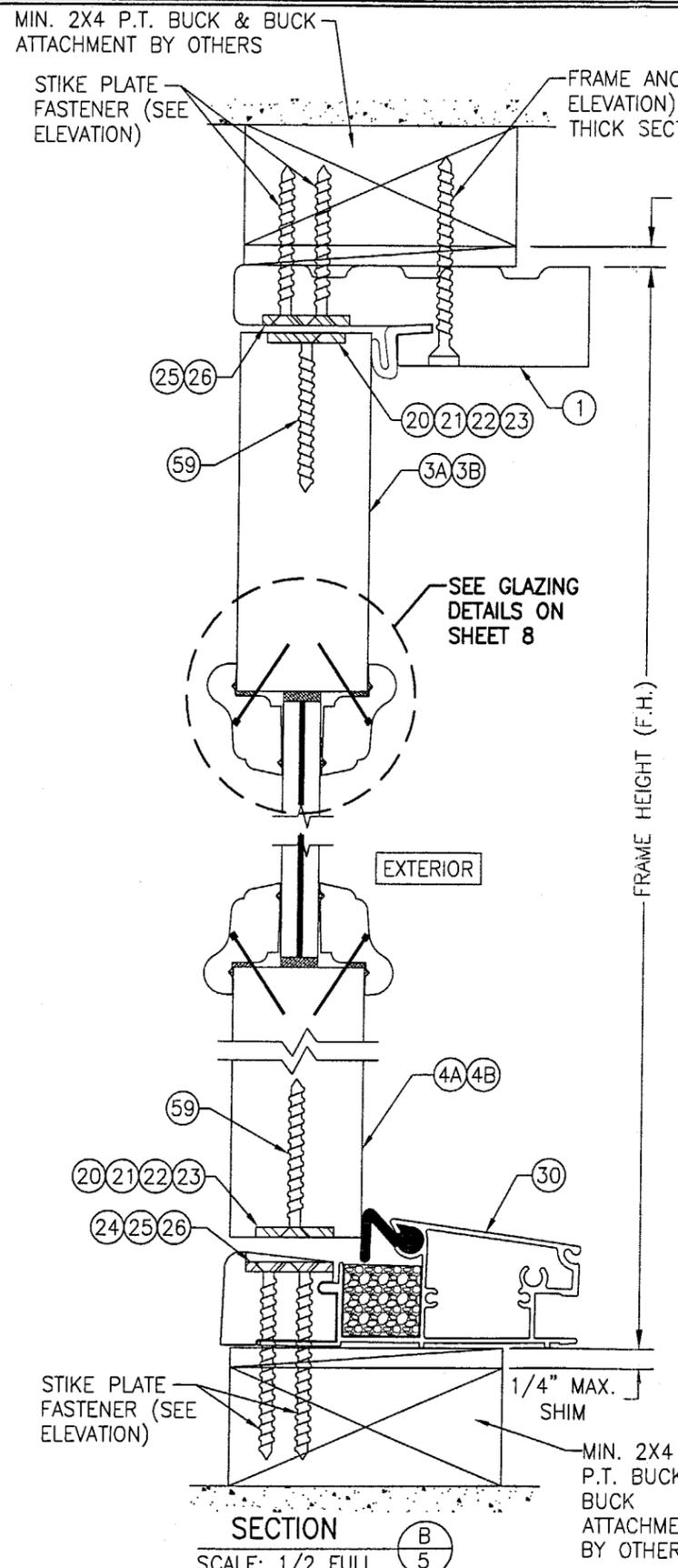
- 1) DAY LIGHT OPENING IN PANEL DOOR MAY BE OF ANY CONFIGURATION.
- 2) FULL LIGHT & OVAL CONDITION IS SHOWN. PARTIAL LIGHT & OTHER LIGHT CONFIGURATIONS ARE ALSO APPLICABLE PROVIDING PANEL CONDITIONS ARE WITHIN WHAT IS SPECIFIED IN THESE DRAWINGS.
- 3) PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

Approved as complying with the  
Florida Building Code  
Date 04/22/04  
NOA# 04-0211-08  
Miami Dade Product Control  
Div. By: *Warren Schaeffer*

DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 11/25/03	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE <b>8 FOOT WOOD INSWING IMPACT DOORS</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>		MANUFACTURER <b>SIGNATURE DOOR INC.</b>	
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 814-949-2770	
CERTIFICATION <b>FEB 09 2004</b>		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. <b>1257</b>	REV.		
SHEET NO. <b>4 OF 10</b>			

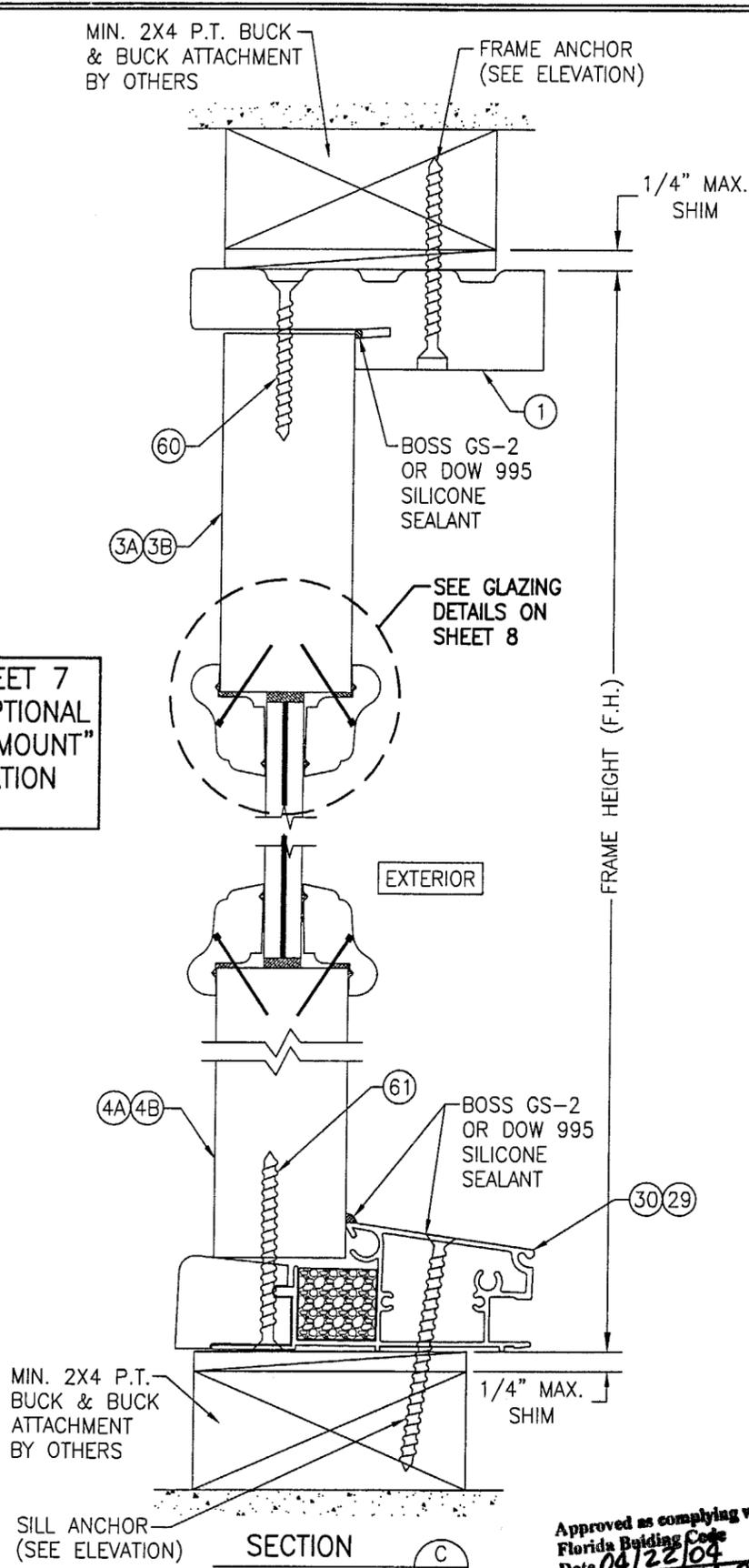


**SECTION A**  
SCALE: 1/2 FULL  
(STANDARD BUMPER THRESHOLD CONDITION SHOWN. SEE OTHER DETAILS ON SHEET 7 FOR ADA & OTHER BUMPER THRESHOLD OPTION.)



**SECTION B**  
SCALE: 1/2 FULL  
FOR DETAIL NOT SHOWN, SEE SECTION "A".  
(STANDARD BUMPER THRESHOLD CONDITION SHOWN. SEE OTHER DETAILS ON SHEET 7 FOR ADA & OTHER BUMPER THRESHOLD OPTION.)

SEE SHEET 7 FOR "OPTIONAL DIRECT MOUNT" INSTALLATION DETAILS.



**SECTION C**  
SCALE: 1/2 FULL  
Approved as complying with the Florida Building Code  
Date 04/22/04  
NOA# 04-0211.08  
Miami Dade Product Control  
By: [Signature]

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 11/25/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE <b>8 FOOT WOOD INSWING IMPACT DOORS</b>	
MANUFACTURER <b>SIGNATURE DOOR INC.</b> 401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION <b>FEB 09 2004</b>	P.E. WARREN W. SCHAEFER P.E. NO. 44135
DRAWING NO. <b>1257</b>	REV.
SHEET NO. <b>5 OF 10</b>	

1/4" MAX. SHIM

FRAME WIDTH (F.W.)

MIN. 2X4 P.T. BUCK & BUCK ATTACHMENT BY OTHERS

HINGE FASTENER (SEE ELEVATION)

SEE GLAZING DETAILS ON SHEET 8

SEE SHEET 7 FOR "OPTIONAL DIRECT MOUNT" INSTALLATION DETAILS.

EXTERIOR

SEE GLAZING DETAILS ON SHEET 8

TRANSOM WINDOW (REF. OTHER APPROVAL)

FRAME ANCHOR (SEE ELEVATION)

EXTERIOR

1 3/4"

SECTION D  
SCALE: 1/2 FULL

SECTION E  
SCALE: 1/2 FULL

SECTION G1  
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

SEE GLAZING DETAILS ON SHEET 8

FRAME WIDTH (F.W.)

1/4" MAX. SHIM

FRAME ANCHOR (SEE ELEVATION) MAY BE AT THIN OR THICK SECTION OF JAMB.

NO. 10 X 1 3/4" SCREW PER ELEVATION

EXTERIOR

MIN. 2X4 P.T. BUCK & BUCK ATTACHMENT BY OTHERS

SECTION F  
SCALE: 1/2 FULL

SECTION J2  
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

TRANSOM WINDOW (REF. OTHER APPROVAL)

FRAME ANCHOR (SEE ELEVATION)

EXTERIOR

1/4"

SECTION G2  
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

1/4" MAX. SHIM

FRAME WIDTH (F.W.)

BOSS GS-2 OR DOW 995 SILICONE SEALANT

NO. 10 X 2 1/2" SCREW PER ELEVATION

SEE GLAZING DETAILS ON SHEET 8

EXTERIOR

SECTION H  
SCALE: 1/2 FULL

SECTION J1  
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

MIN. 2X4 P.T. BUCK & BUCK ATTACHMENT BY OTHERS

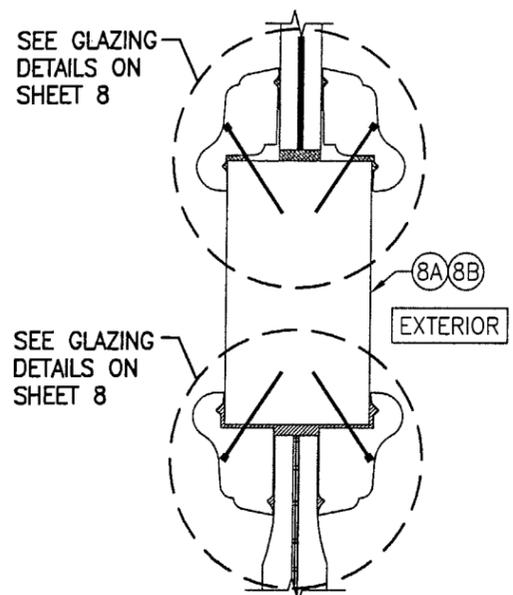
FRAME ANCHOR (SEE ELEVATION)

SEE GLAZING DETAILS ON SHEET 8

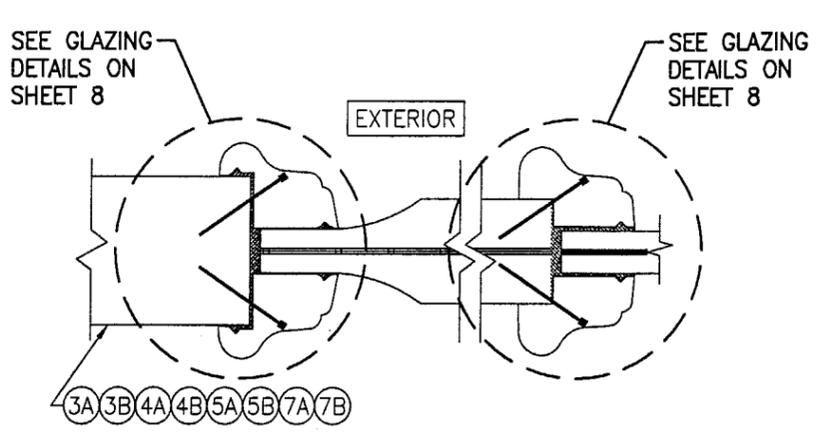
Approved as complying with the Florida Building Code  
Date: 04/22/04  
NOA# 04-0211.08  
Miami Dade Product Control  
Division

By: *Cecilia Berme*

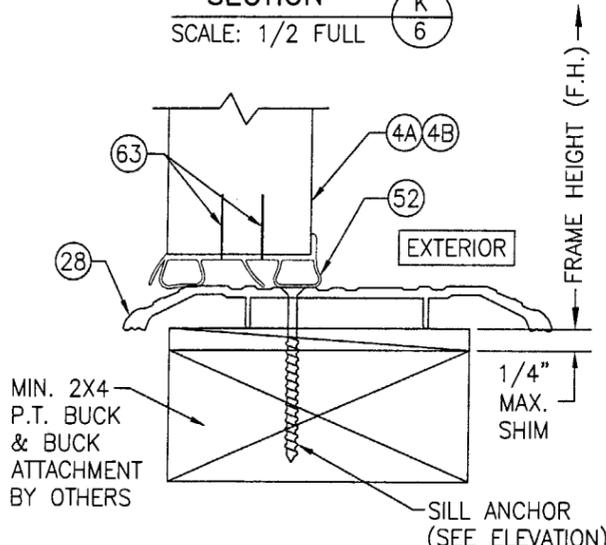
DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/25/03	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 8 FOOT WOOD INSWING IMPACT DOORS			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		SIGNATURE DOOR INC.	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770	
CERTIFICATION			
FEB 09 2004			
WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO.	REV.		
1257			
SHEET NO.			
6 OF 10			



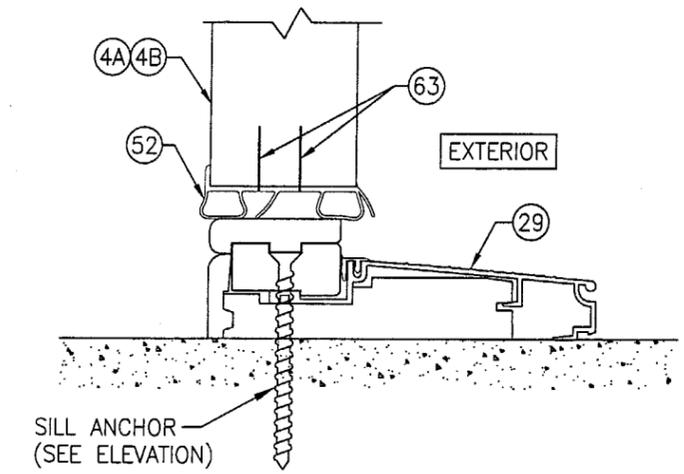
SECTION K  
SCALE: 1/2 FULL



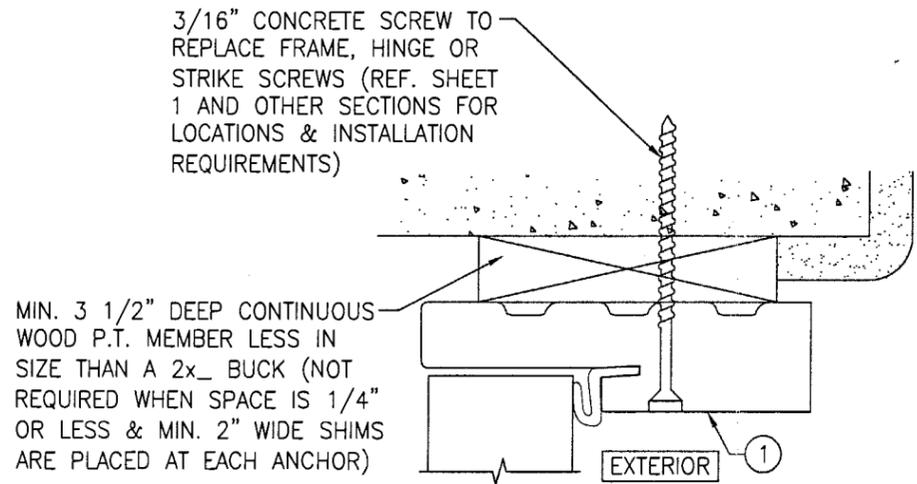
SECTION L  
SCALE: 1/2 FULL



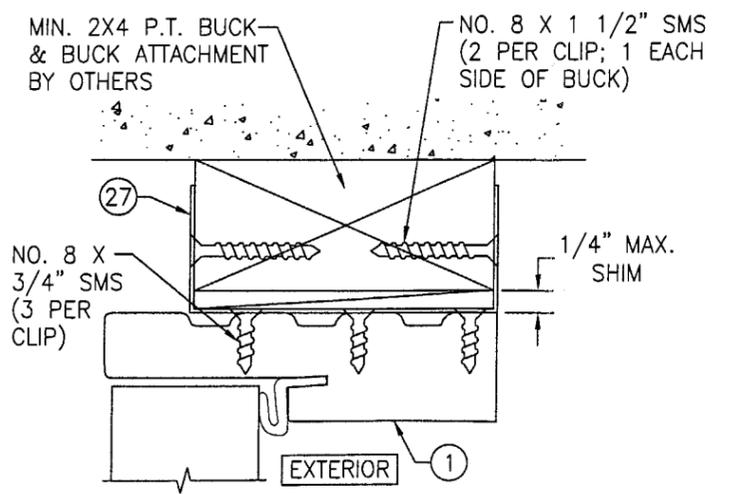
OPTIONAL ADA THRESHOLD DETAIL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



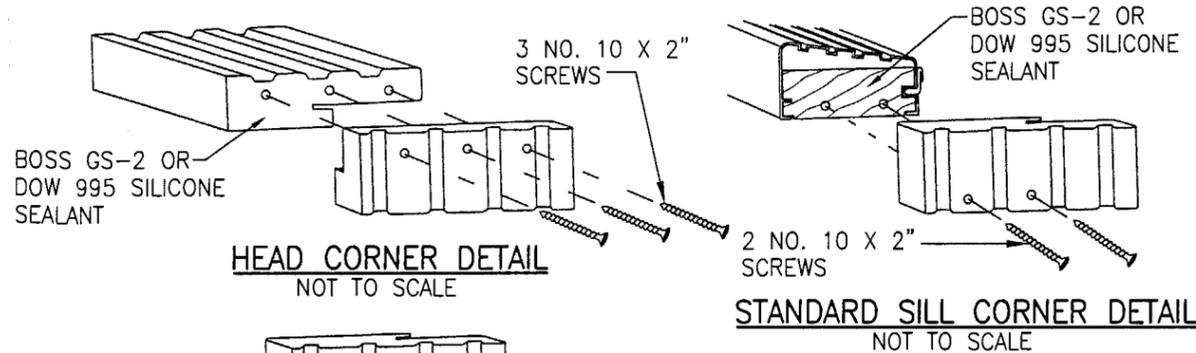
OPTIONAL BUMPER THRESHOLD DETAIL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



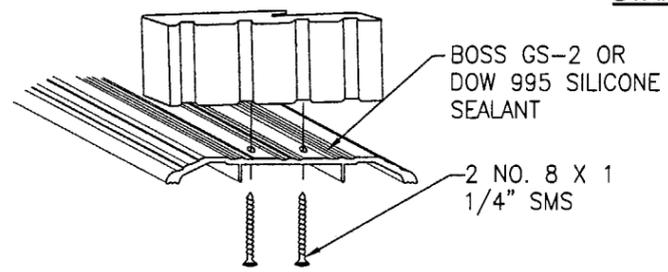
OPTIONAL DIRECT MOUNT DETAIL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS  
(HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)



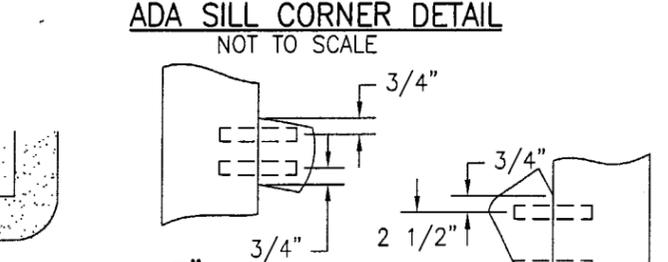
OPTIONAL CLIP MOUNT DETAIL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS  
(HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)



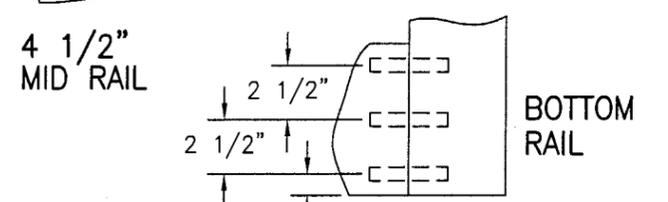
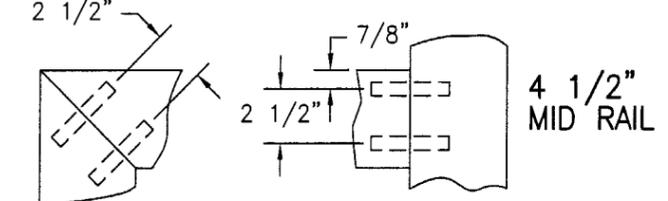
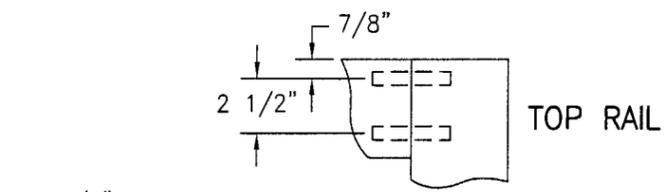
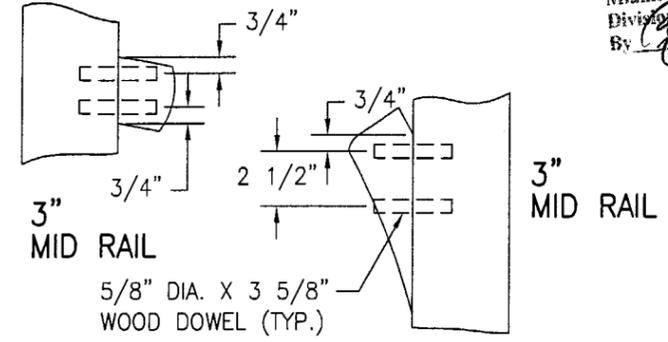
HEAD CORNER DETAIL  
NOT TO SCALE



STANDARD SILL CORNER DETAIL  
NOT TO SCALE



ADA SILL CORNER DETAIL  
NOT TO SCALE



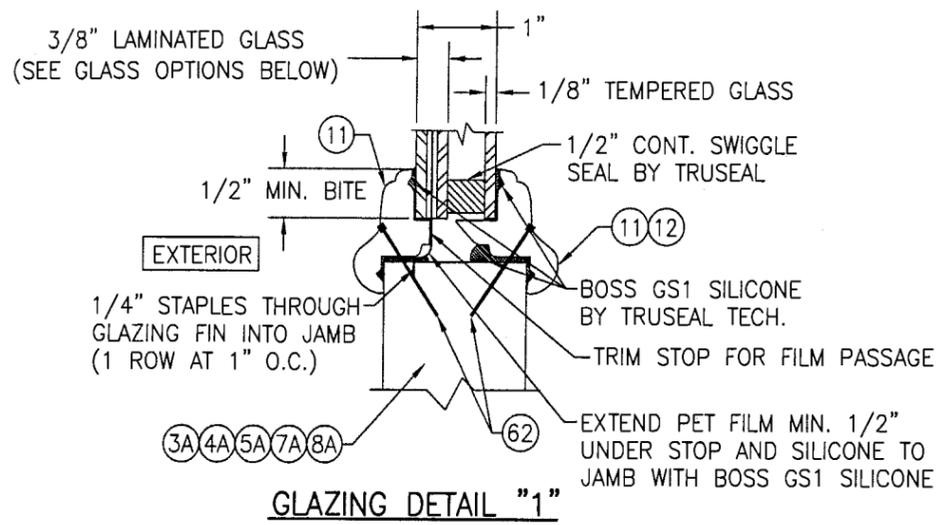
PANEL CORNER DETAILS  
NOT TO SCALE

ALL DOWEL AND WOOD TO WOOD CONTACT SURFACES ARE FULLY GLUED WITH WOOD ADHESIVE BY JOWAT ADHESIVES, KORLOCK GT 42-300A OR TITEBOND II BY WEATHERPROOF.

Approved as complying with the Florida Building Code  
Date 04/22/04  
NOA# 04-0211-08  
Miami Dade Product Control  
By: *Heurden Bee*

DRAWING TITLE	8 FOOT WOOD INSWING IMPACT DOORS
	MANUFACTURER SIGNATURE DOOR INC. 401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770
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
	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	1257
	REV.
SHEET NO.	7 OF 10

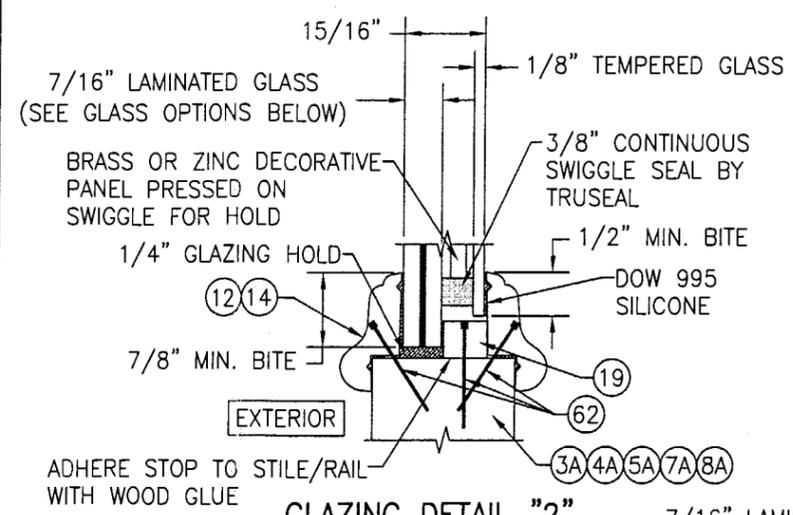
DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLGT: 1-2	DATE: 11/25/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	



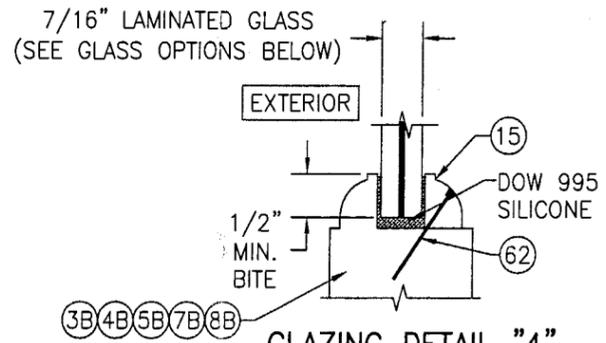
**GLAZING DETAIL "1"**

**GLASS OPTION (GLAZING DETAIL 1)**

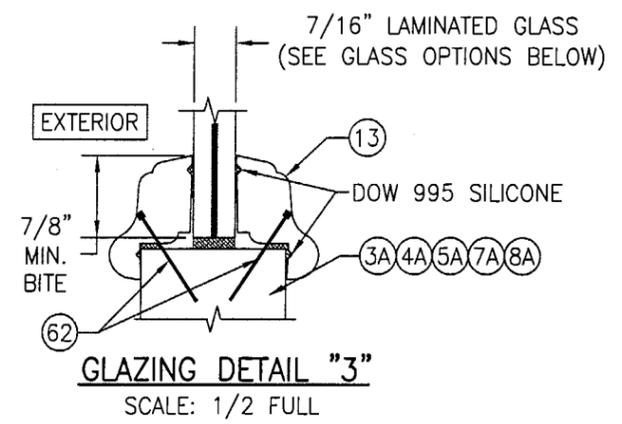
- OPTION 1: 3/8" THICK NEBULA GLASSLAM SAFETY-PLUS LAMINATED GLASS (1/8" H.S./0.077 RESIN/0.009 PET/0.077 RESIN/1/8" H.S.)
- OPTION 2: 3/8" THICK NEBULA GLASSLAM SAFETY-PLUS LAMINATED GLASS (1/8" AN./0.077 RESIN/0.009 PET/0.077 RESIN/1/8" AN.)



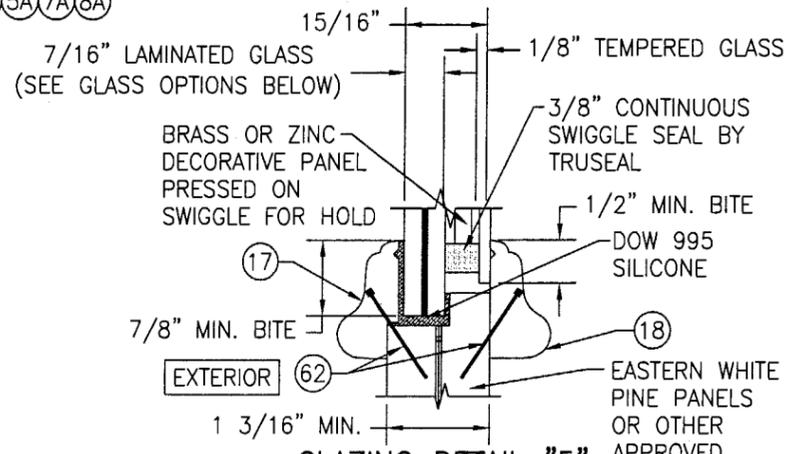
**GLAZING DETAIL "2"**



**GLAZING DETAIL "4"**



**GLAZING DETAIL "3"**



**GLAZING DETAIL "5"**

**LAMINATED GLASS OPTIONS (GLAZING DETAIL 2, 3, 4 & 5)**

- OPTION 3: 7/16" THICK GLASSLAM SAFETY PLUS II LAMINATED GLASS (3/16" AN/0.1" POLYURETHANE POLYMER/3/16" AN)
- OPTION 4: 7/16" THICK OLDCASTLE STORMGLASS LAMINATED GLASS (3/16" AN/0.075" STORMGLASS/3/16" AN)
- OPTION 5: 7/16" THICK SENTRY GLASS PLUS LAMINATED GLASS (3/16" AN/0.09" SGP/3/16" AN)

**ALLOWABLE DESIGN PRESSURE (WITH GLASS OPTION 2 ONLY)**

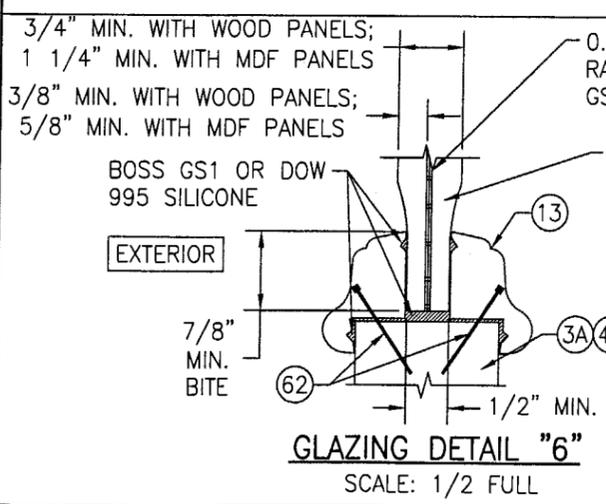
D.L.O. WIDTH	(1) DESIGN LOAD CAPACITY (PSF)							
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
17"	65.0	80.0	65.0	80.0	65.0	80.0	65.0	80.0
19"	65.0	77.2	65.0	76.1	65.0	74.2	65.0	71.6
21"	63.9	63.9	62.6	62.6	60.9	60.9	58.8	58.8
23"	54.8	54.8	53.7	53.7	51.6	51.6	49.0	49.0
26"	44.1	44.1	43.0	43.0	41.0	41.0	38.6	38.6
28.75"	37.9	37.9	36.8	36.8	34.7	34.7	32.2	32.2
D.L.O. HEIGHT	64"	67"	73"	82.75"				

**ALLOWABLE DESIGN PRESSURE (WITH GLASS OPTIONS 1, 3, 4 & 5 ONLY)**

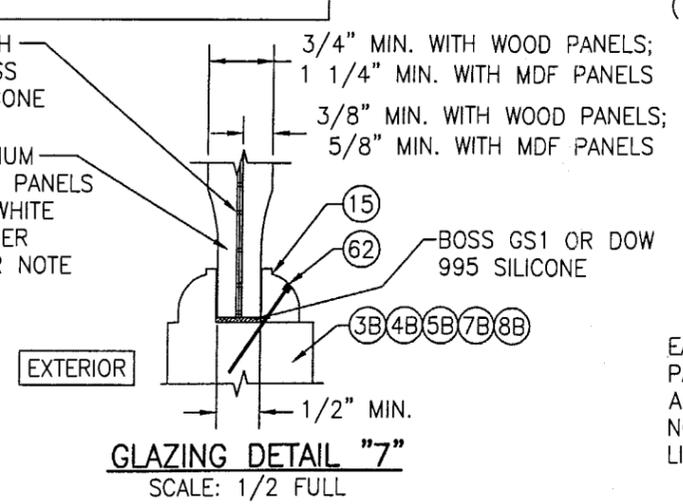
(1) +65/-80 PSF (ALL DOOR SIZES)

**NOTE: WHEN A SINGLE POINT MORTISE LOCK IS USED, THE ALLOWABLE DESIGN PRESSURE SHALL BE LIMITED TO THE LESSER OF +/-60 PSF OR THE APPLICABLE LOAD IN THE LOAD TABLE.**

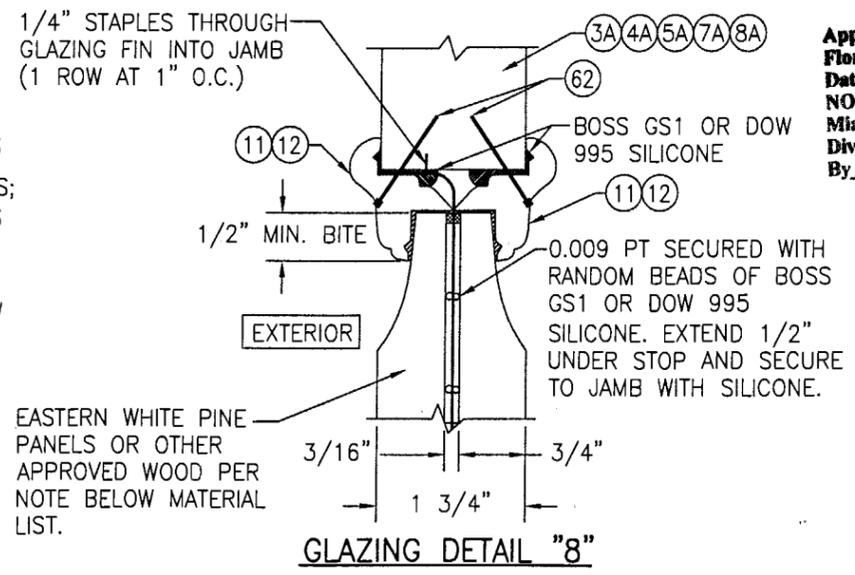
(1) POSITIVE PRESSURE NOTE: THESE DOORS ARE NOT APPROVED FOR WATER INFILTRATION RESISTANCE UNLESS THE UNITS ARE INSTALLED IN A NON-HABITABLE AREA WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION. OTHERWISE, THE DOORS MUST BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF THE CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES.



**GLAZING DETAIL "6"**



**GLAZING DETAIL "7"**



**GLAZING DETAIL "8"**

Approved as complying with the Florida Building Code  
 Date 04/22/04  
 NOA# 04-021108  
 Miami Dade Product Control Division  
 By *Warren W. Schaefer*

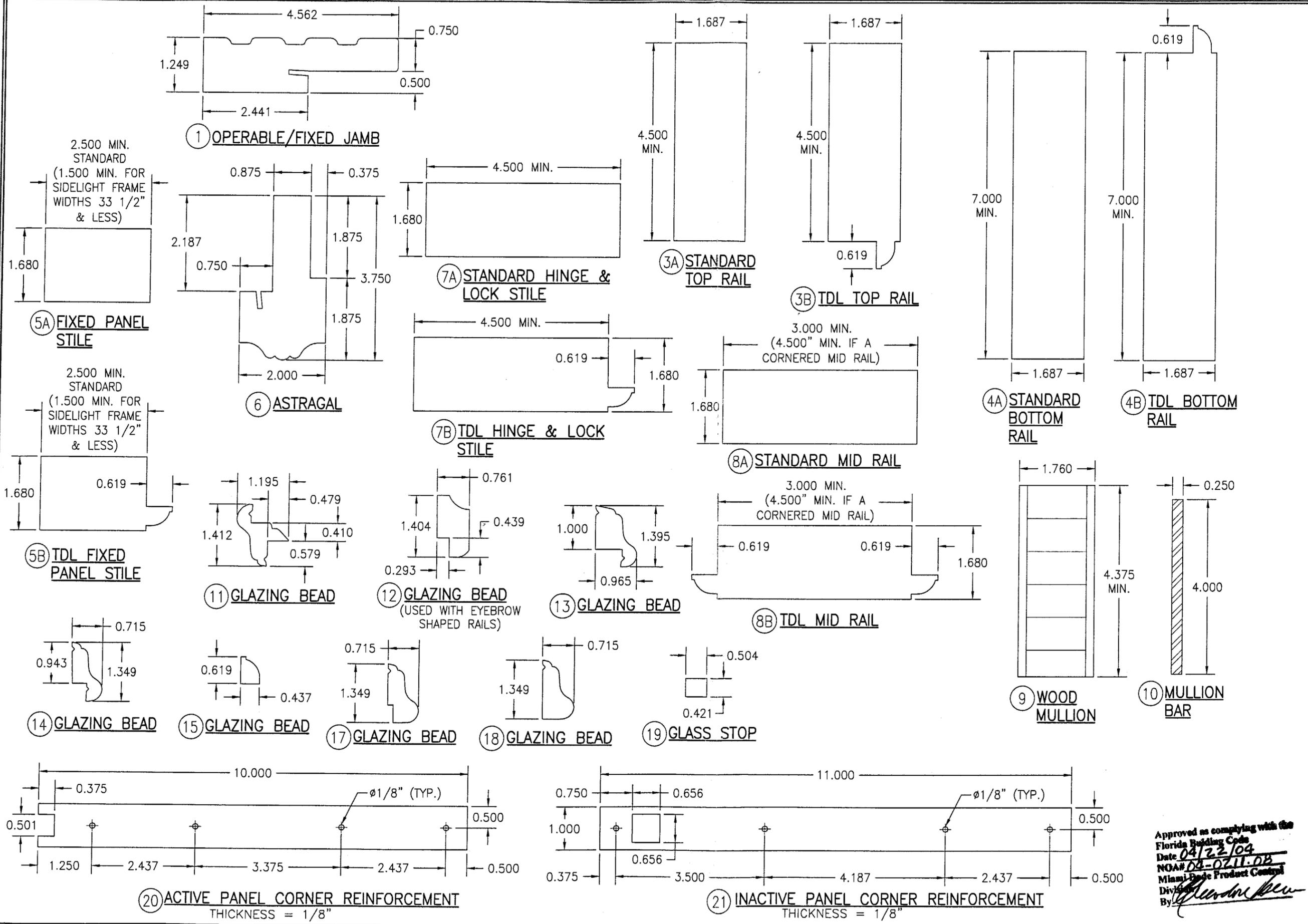
DRAWING TITLE: 8 FOOT WOOD INSWING IMPACT DOORS

SIGNATURE DOOR INC.  
401 JUNIATA STREET  
ALTOONA, PA 16602  
814-949-2770

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  
FEB 09 2004

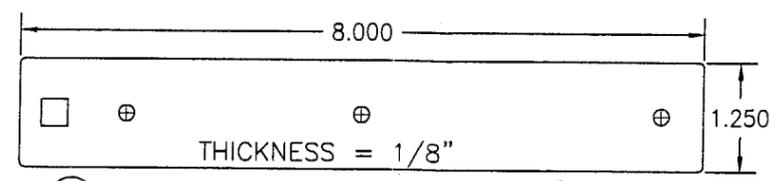
WARREN W. SCHAEFER, P.E.  
P.E. NO. 44135



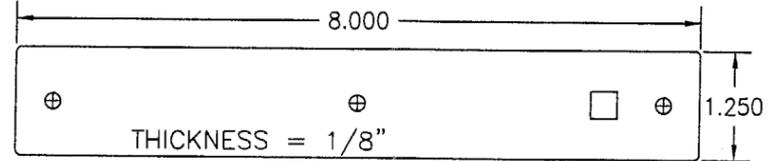
DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/25/03	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE <b>8 FOOT WOOD INSWING IMPACT DOORS</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>		MANUFACTURER <b>SIGNATURE DOOR INC.</b>	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770	
CERTIFICATION <b>FEB 09 2004</b>			
Approved as complying with the Florida Building Code Date <b>04/22/04</b> NOAH <b>04-0211-DB</b> Miami Code Product Control By <i>Warren W. Schaefer</i>			
DRAWING NO. <b>1257</b>		REV. 	
SHEET NO. <b>9</b>		OF <b>10</b>	

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	OPERABLE/FIXED JAMB	* WOOD (LAMINATED WITH CURVED JAMBS)
3A	TOP RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
3B	TDL TOP RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
4A	BOTTOM RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
4B	TDL BOTTOM RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
5A	FIXED STILE	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
5B	TDL FIXED STILE	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
6	ASTRAGAL	* WOOD
7A	OPERABLE STILE	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
7B	TDL OPERABLE STILE	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
8A	MID-RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
8B	TDL MID-RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
9	WOOD MULLION	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
10	MULLION BAR	A36 STEEL
11	GLAZING BEAD	* WOOD
12	GLAZING BEAD	* WOOD
13	GLAZING BEAD	* WOOD
14	GLAZING BEAD	* WOOD
15	GLAZING BEAD	* WOOD
16	JAMB REINF. PLATE (.044" X 4.00" X 8.00")	GALVANIZED STEEL (NOT REQ'D WITH CURVED JAMBS)
17	GLAZING BEAD	* WOOD
18	GLAZING BEAD	* WOOD
19	GLASS STOP	* WOOD
20	ACTIVE PANEL CORNER REINFORCEMENT	STAINLESS STEEL - TO BE USED WITH ANY OF THE LOCK SYSTEMS
21	INACTIVE PANEL CORNER REINFORCEMENT	STAINLESS STEEL - TO BE USED WITH ANY OF THE LOCK SYSTEMS
22	ACTIVE PANEL CORNER REINFORCEMENT	BRASS OR STAINLESS STEEL - TO BE ONLY USED WITH FUHR LOCKS (ITEMS 36B & 37B)
23	INACTIVE PANEL CORNER REINFORCEMENT	BRASS OR STAINLESS STEEL - TO BE ONLY USED WITH FUHR LOCKS (ITEMS 36B & 37B)
24	SILL STRIKE PLATE	STAINLESS STEEL - TO BE USED WITH ANY OF THE LOCK SYSTEMS
25	HEAD STRIKE PLATE	STAINLESS STEEL - TO BE USED WITH ANY OF THE LOCK SYSTEMS
26	HEAD & SILL STRIKE PLATE	BRASS OR STAINLESS STEEL - TO BE ONLY USED WITH FUHR LOCKS (ITEMS 36B & 37B)
27	MOUNTING CLIP	18 GA. GALVANIZED STEEL
28	ADA THRESHOLD	HAGAR 401-S
29	INSWING THRESHOLD	IMPERIAL 5QCW
30	INSWING HYDOSILL THRESHOLD (BUMPER)	SCHEGEL SERIES 5000
31	-	-
32	-	-
HARDWARE		
35	4" X 4" BUTT HINGE	PENROD MH40AUPC (STEEL)
36	4" X 4" BALL BEARING HINGE	PENROD MH40BBTP (BRASS)
37	4" X 4" BALL BEARING HINGE	BALDWIN 1041 (BRASS)
38	4" X 4" BALL BEARING HINGE	PENROD MH40BBPC (STEEL)
39	5-POINT ACTIVE PANEL LOCK SYS.	HOPPE HLS9000 ROUND BOLT/SHOOTBOLT
40	2-POINT INACTIVE PANEL LOCK SYS.	HOPPE HLS9000 SHOOTBOLT
41	3-POINT ACTIVE PANEL LOCK SYS.	HOPPE HLS9000 ROUND BOLT
42	5-POINT ACTIVE PANEL LOCK SYS.	GU RHINO
43	5-POINT ACTIVE PANEL LOCK SYS.	FUHR
44	2-POINT INACTIVE PANEL LOCK SYS.	GU EUROPA
45	2-POINT INACTIVE PANEL LOCK SYS.	FUHR
46	HANDLE	AS REQ'D TO FIT LOCK SYSTEM
47	LOCK STRIKE PLATE	AS SUPPLIED WITH LOCK SYSTEM
48	3-POINT ACTIVE PANEL LOCK SYS.	GU RHINO
49	3-POINT ACTIVE PANEL LOCK SYS.	FUHR
SEALS AND SEALANTS		
50	WEATHER SEAL	HOLM INDUSTRIES JF65814
51	-	-
52	DOOR SWEEP	IMPERIAL FBS30B/FBS36B
53	WEATHER SEAL	HOLM INDUSTRIES NO. JF87

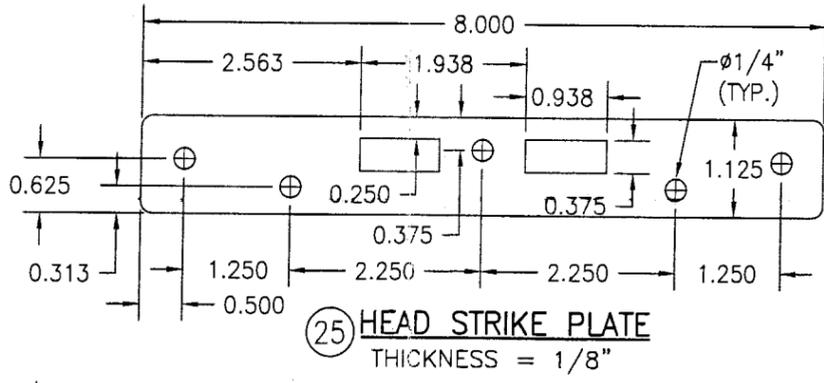
ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
MISC. FASTENERS		
55	NO. 9 X 3/4" SMS	2 PER HINGE LEAF INTO JAMB & STILE
56	NO. 10 X 2" SMS	2 PER HINGE LEAF INTO STILE & WOOD MULLION
58	NO. 10 X 1 1/2" SMS	2 PER HINGE LEAF INTO STEEL MULLION
59	NO. 10 X 2" SMS	4 PER DOOR REINFORCEMENT PLATE
60	NO. 10 X 2" SMS	6" FROM CORNERS & 16" MAX O.C.
61	NO. 10 X 2" SMS	6" FROM CORNERS & MID SPAN ON SILL
62	1 3/16" BRAD NAIL	1" FROM CORNERS & 8" O.C.
63	1/2" X 3/4" STAPLE	3/4" FROM CORNERS & 6" O.C. STAGGERED
64	NO. 10 X 2 1/2" SMS	3" FROM ENDS & 22" O.C. THRU ASTRAGAL
65	NO. 6 X 3/4" SCREW	2 PER STRIKE PLATE



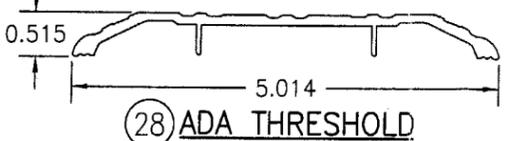
22 ACTIVE PANEL CORNER REINFORCEMENT



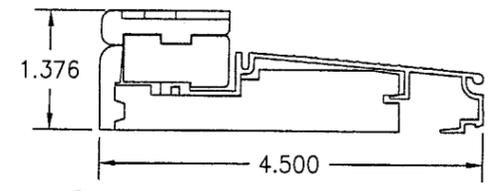
23 INACTIVE PANEL CORNER REINFORCEMENT



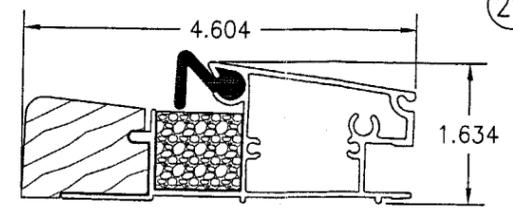
25 HEAD STRIKE PLATE  
THICKNESS = 1/8"



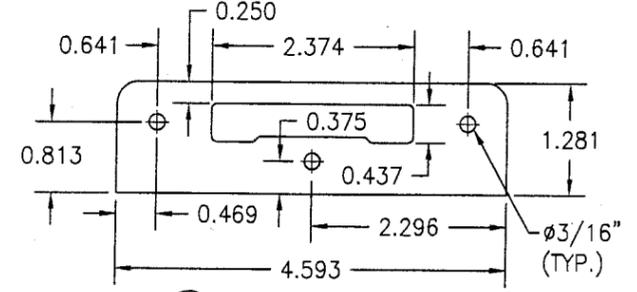
28 ADA THRESHOLD



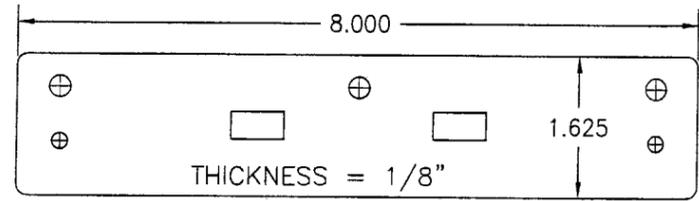
29 INSWING THRESHOLD



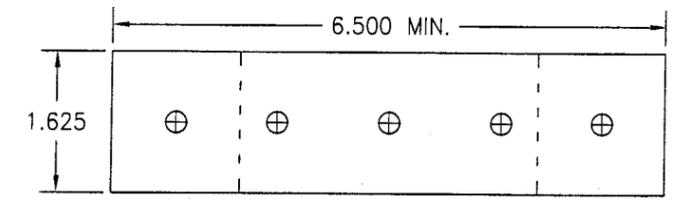
30 INSWING HYDOSILL THRESHOLD



24 SILL STRIKE PLATE  
THICKNESS = 3/32"



26 HEAD & SILL STRIKE PLATE



27 MOUNTING CLIP  
THICKNESS = 0.044"

Approved as complying with the  
Florida Building Code  
Date 04/22/04  
NOA# 04-0211-08  
Miami Trade Product Control  
Div.  
By: *Warren W. Schaefer*

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/25/03
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE <b>8 FOOT WOOD INSWING IMPACT DOORS</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>	
MANUFACTURER <b>SIGNATURE DOOR INC.</b>	
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 814-949-2770	
CERTIFICATION <b>FEB 09 2004</b>	
DRAWING NO. <b>1257</b>	
SHEET NO. <b>10 OF 10</b>	

\* WOOD USED WITH TEST UNITS WAS GRADE 2 EASTERN WHITE PINE. WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. GRADE 2 MAHOGANY, SOUTHERN PINE, PONDEROSA PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR, TEAK, CYPRUS & ANY OTHER GRADE 2 WOOD STRONGER THAN EASTERN PINE.