



**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 Outswing Impact Doors**

**APPROVAL DOCUMENT:** Drawing No. **1069**, titled "8 Foot Wood Panel Outswing Impact Doors", sheets 1 through 10 of 10, prepared by W.W. Schaefer Engineering & Consulting, P.A. , dated 11/12/03, signed and sealed by Warren W. Schaefer, P. E., 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 # **02-0115.10** 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 **Theodore Berman, P.E.**

*TMB*  
3/24/2004



**NOA No 04-0211.09  
Expiration Date: March 21, 2007  
Approval Date: May 27, 2004  
Page 1**

Signature Door, Inc.

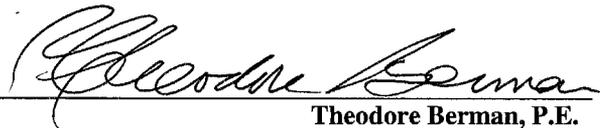
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1069**, titled "8 Foot Wood Panel Outswing Impact Doors", sheets 1 through 10 of 10, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 11/23/03, 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  
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 outswing wood door, 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 # 02-0115.10"**
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) 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 outswing 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.
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) 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 outswing 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.



Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 04-0211.09

Expiration Date: March 21, 2007

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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 outswing 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.
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  
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 outswing 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 structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated October 02, 2001 by Warren W. Schaefer, P.E.  
***“Submitted under NOA # 02-0115.10”***
2. 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.  
***“Submitted under NOA # 02-0115.10”***

  
Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 04-0211.09

Expiration Date: March 21, 2007

Approval Date: May 27, 2004

**Signature Door, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance, dated February 9, 2004, signed and sealed by Warren W. Schaefer, P. E.  
*“Submitted under NOA # 02-0115.10”*
2. Statement letter of no financial interest, dated February 9, 2004, signed and sealed by Warren W. Schaefer, P. E.  
*“Submitted under NOA # 02-0115.10”*

**G. OTHER**

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



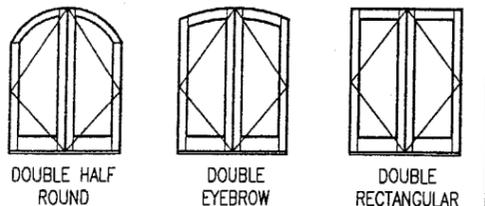
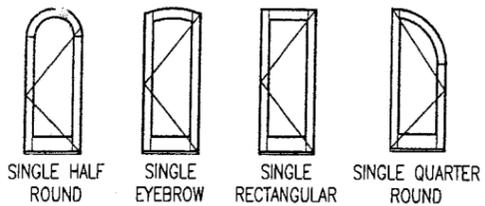
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**Theodore Berman, P.E.**  
**Deputy Director, Product Control Division**

**NOA No 04-0211.09**

**Expiration Date: March 21, 2007**

**Approval Date: May 27, 2004**



SHAPES CONSIDERED AS PART OF THIS APPROVAL

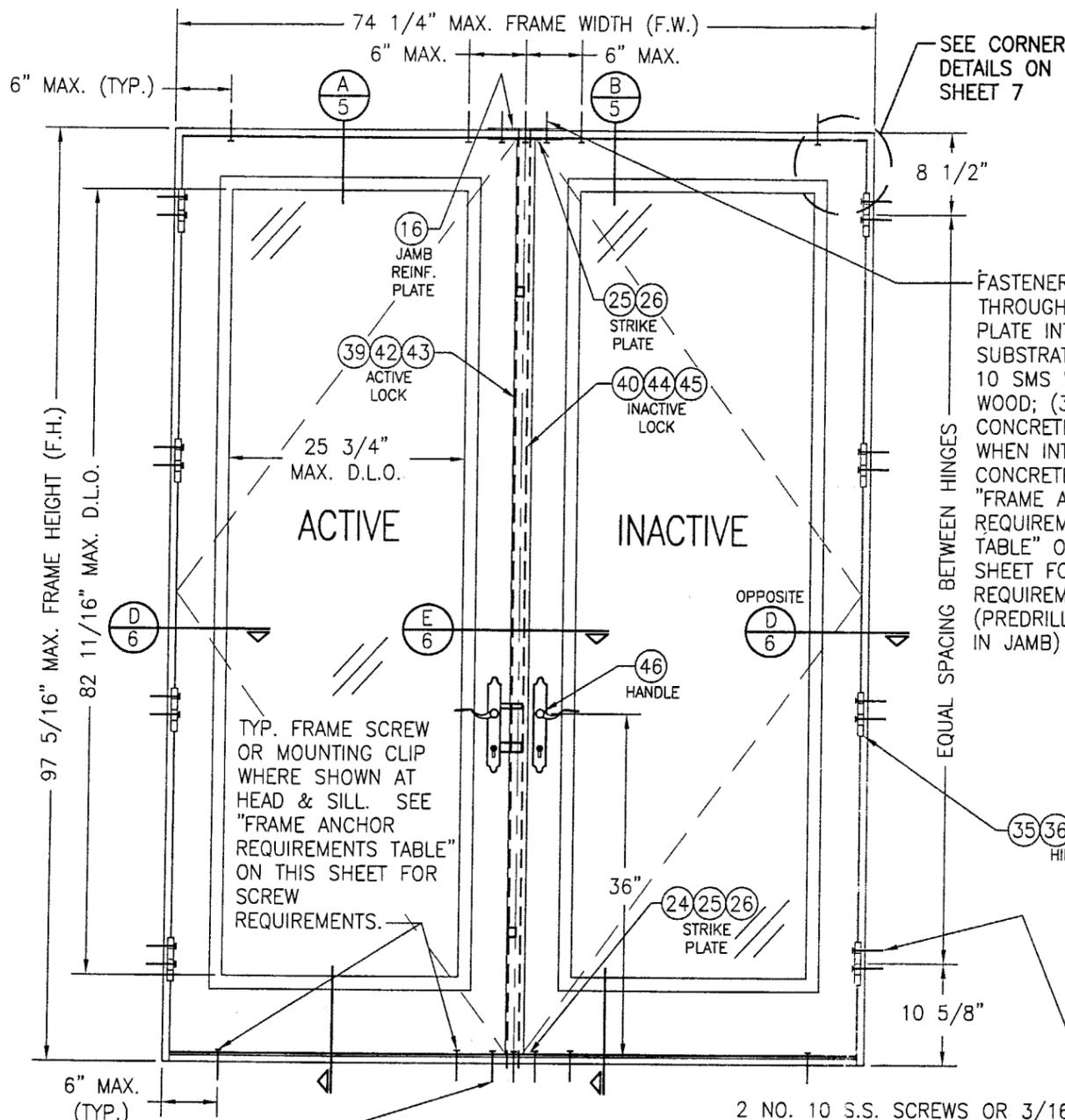
**HINGE REQUIREMENTS**

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.



**EXTERIOR ELEVATION  
DOUBLE OUTSWING 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" CONCRETE SCREWS WHEN INTO CONCRETE). WHEN ADA SILL IS USED, THERE IS NO STRIKE PLATE AND ALL ANCHORS RUN THROUGH SILL ONLY INTO SUBSTRATE.

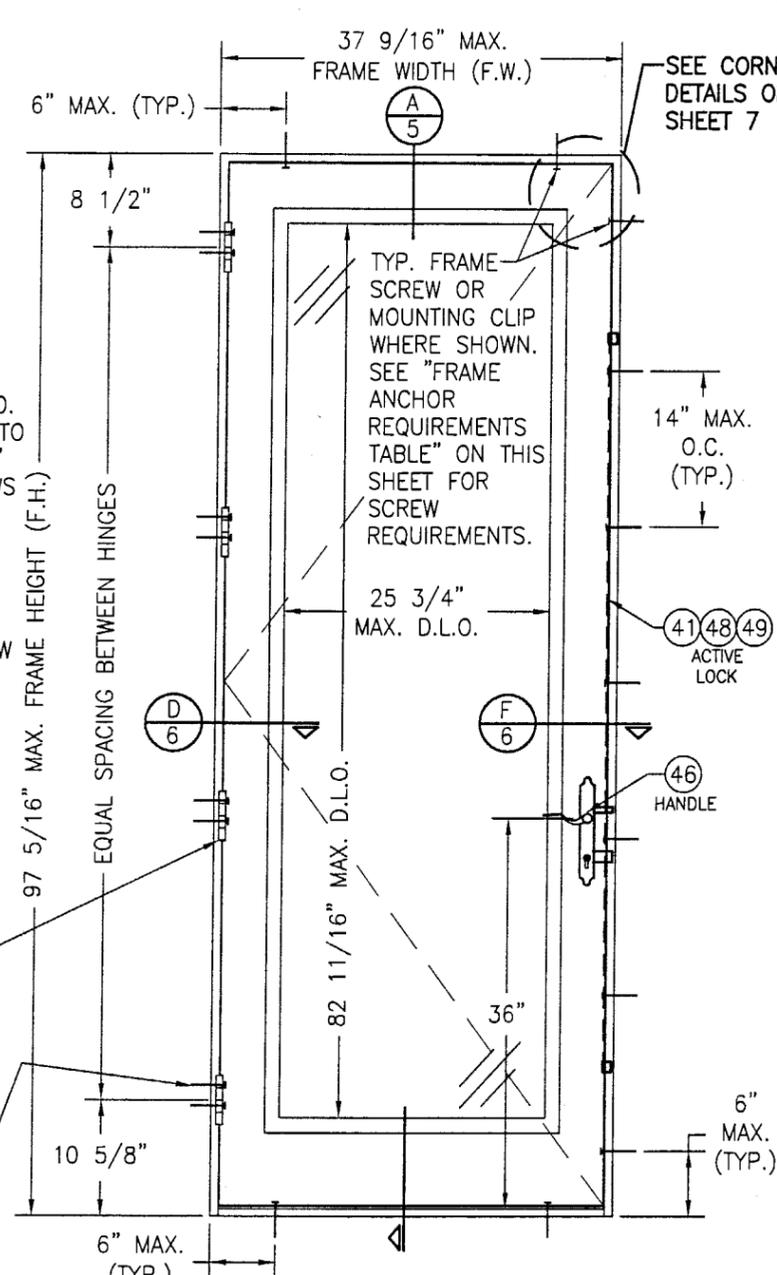
**GENERAL NOTES**

1. THESE DOOR 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 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (F.B.C.) FOR HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.

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, 1/4" CONCRETE SCREWS SHALL BE USED. SEE "ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).



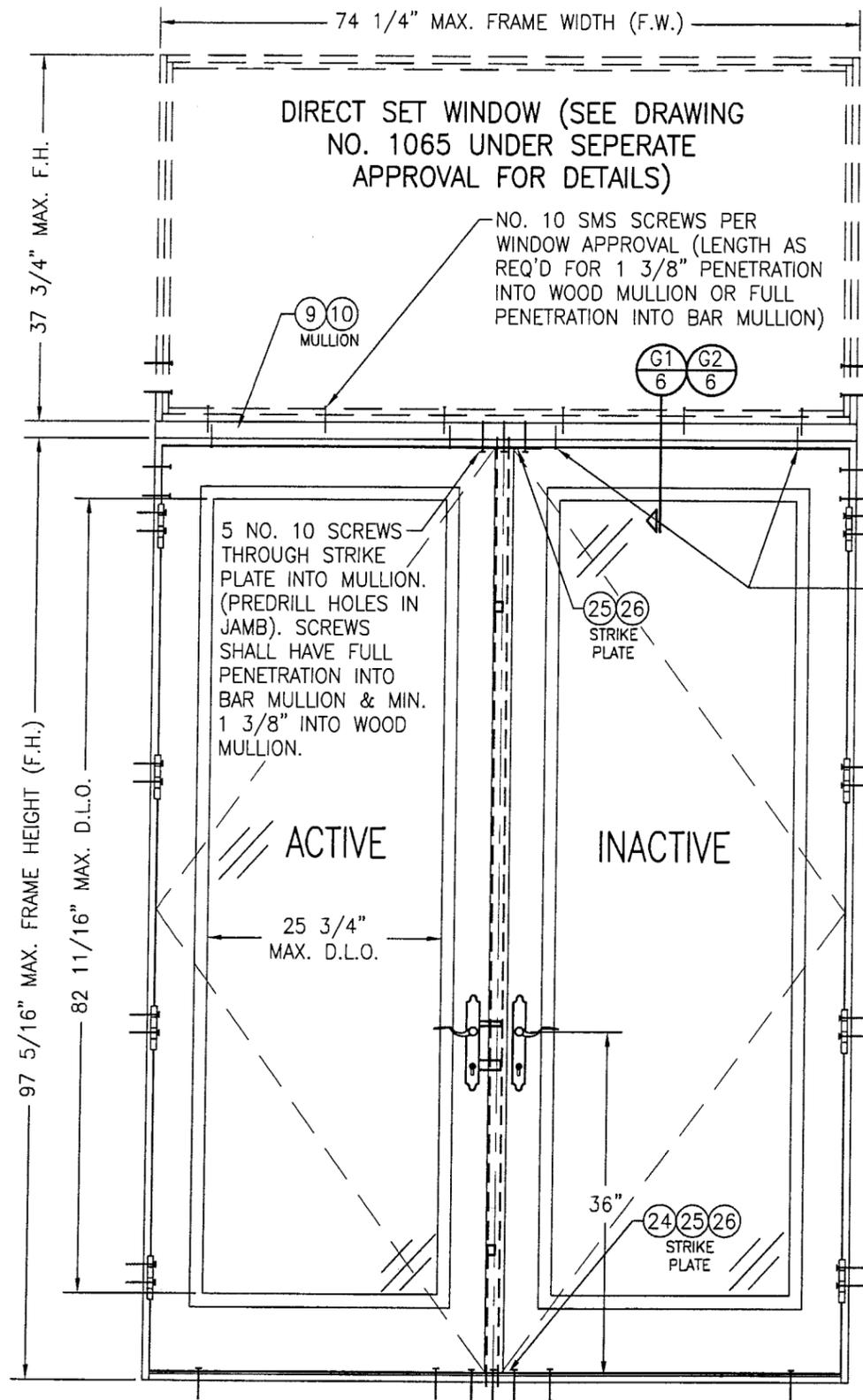
**EXTERIOR ELEVATION  
SINGLE OUTSWING DOOR**  
SCALE: 3/4"=1'-0"

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.

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 04-0211.09  
Expiration Date 03/21/07  
By *Warren W. Schaeffer*  
Miami Dade Product Control Division

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 11/12/03
NO.	REVISION DESCRIPTION
DRAWING TITLE <b>8 FOOT WOOD OUTSWING 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	
DRAWING NO. <b>1069</b>	
SHEET NO. <b>1 OF 10</b>	

CERTIFICATION  
**FEB 09 2004**  
*Warren W. Schaeffer*  
WARREN W. SCHAEFER, P.E.  
P.E. NO. 44135



**EXTERIOR 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

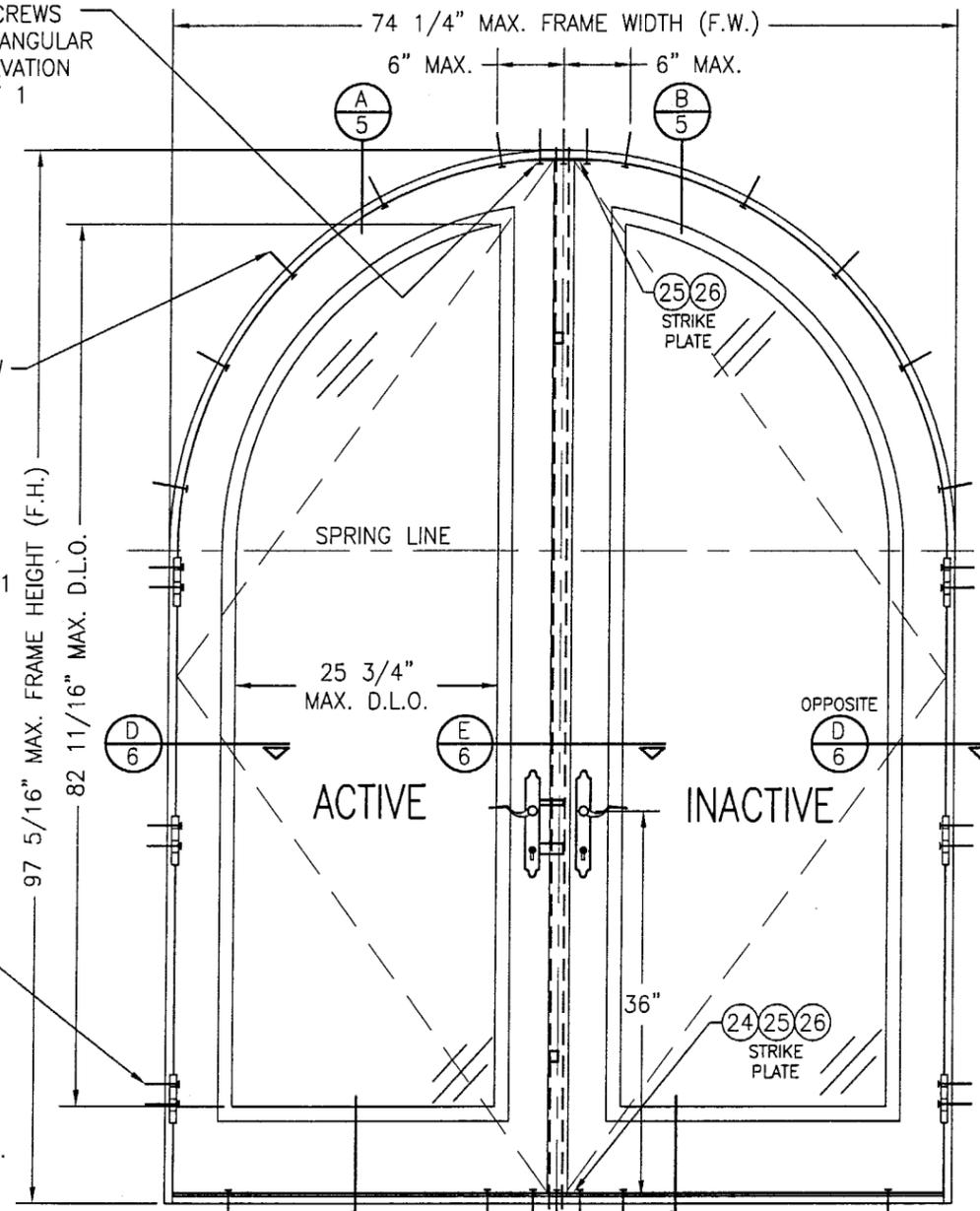
2 NO. 10 FRAME  
SCREWS EA. SIDE  
OF MULLION AS  
SHOWN (TYP. EA.  
END). SEE ANCHOR  
REQ. TABLE ON  
SHEET 1.

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.

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)

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.

STRIKE SCREWS  
PER RECTANGULAR  
DOOR ELEVATION  
ON SHEET 1



**EXTERIOR ELEVATION  
DOUBLE HALF ROUND DOOR**

SCALE: 3/4"=1'-0"  
SEE DOUBLE DOOR ELEVATION ON SHEET 1 FOR DETAIL NOT SHOWN

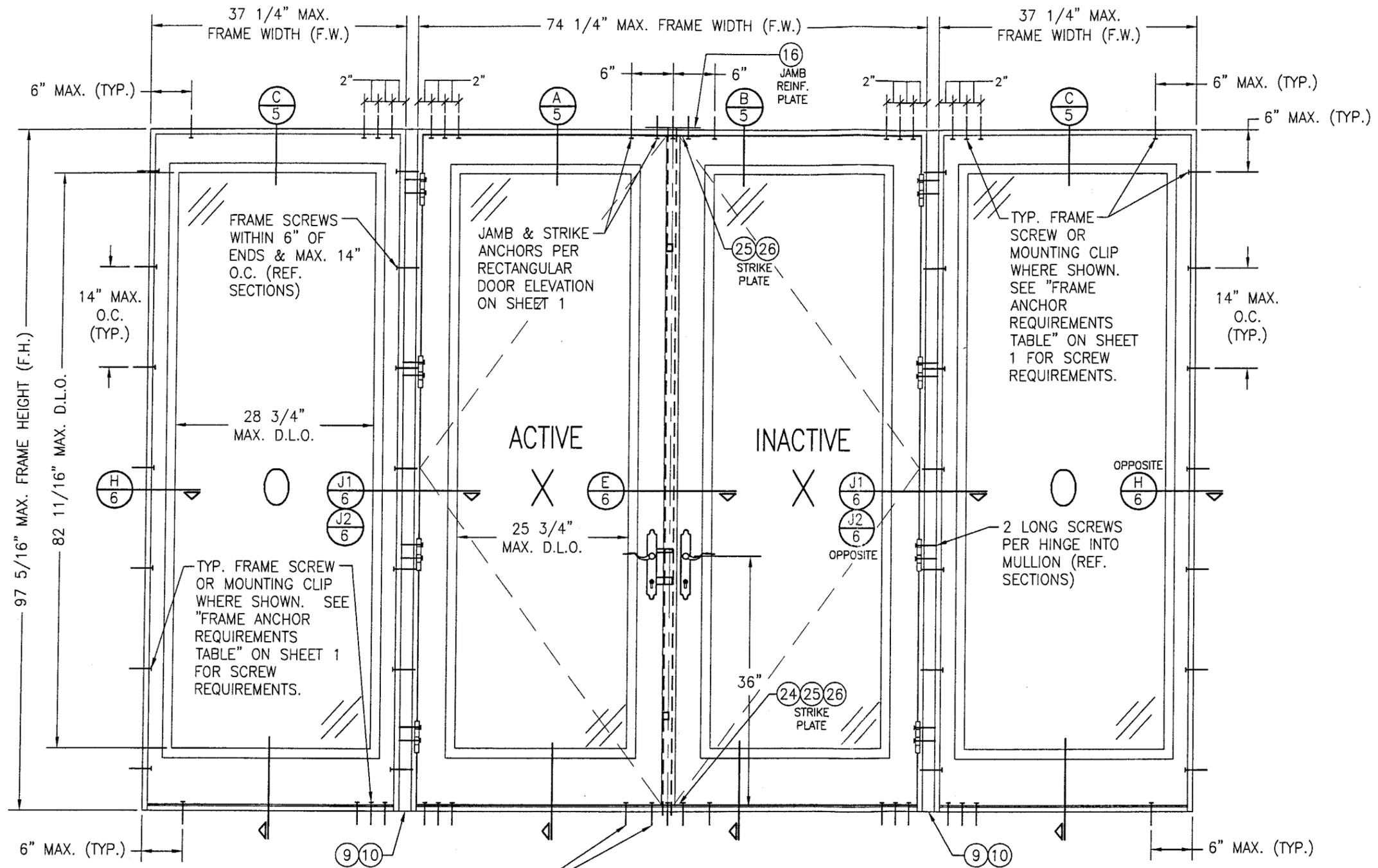
SILL AND STRIKE  
PLATE ANCHORS  
PER ELEVATION ON  
SHEET 1

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

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 09-0211.09  
Expiration Date 03/31/03

By: *Warren W. Schaefer*  
Miami Dade Product Control  
Division

DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1-16		DATE: 11/12/03	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE <b>8 FOOT WOOD OUTSWING 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. <b>WARREN W. SCHAEFER</b> P.E. NO. 44135	
DRAWING NO. <b>1069</b>		REV.	
SHEET NO. <b>2</b>		OF <b>10</b>	



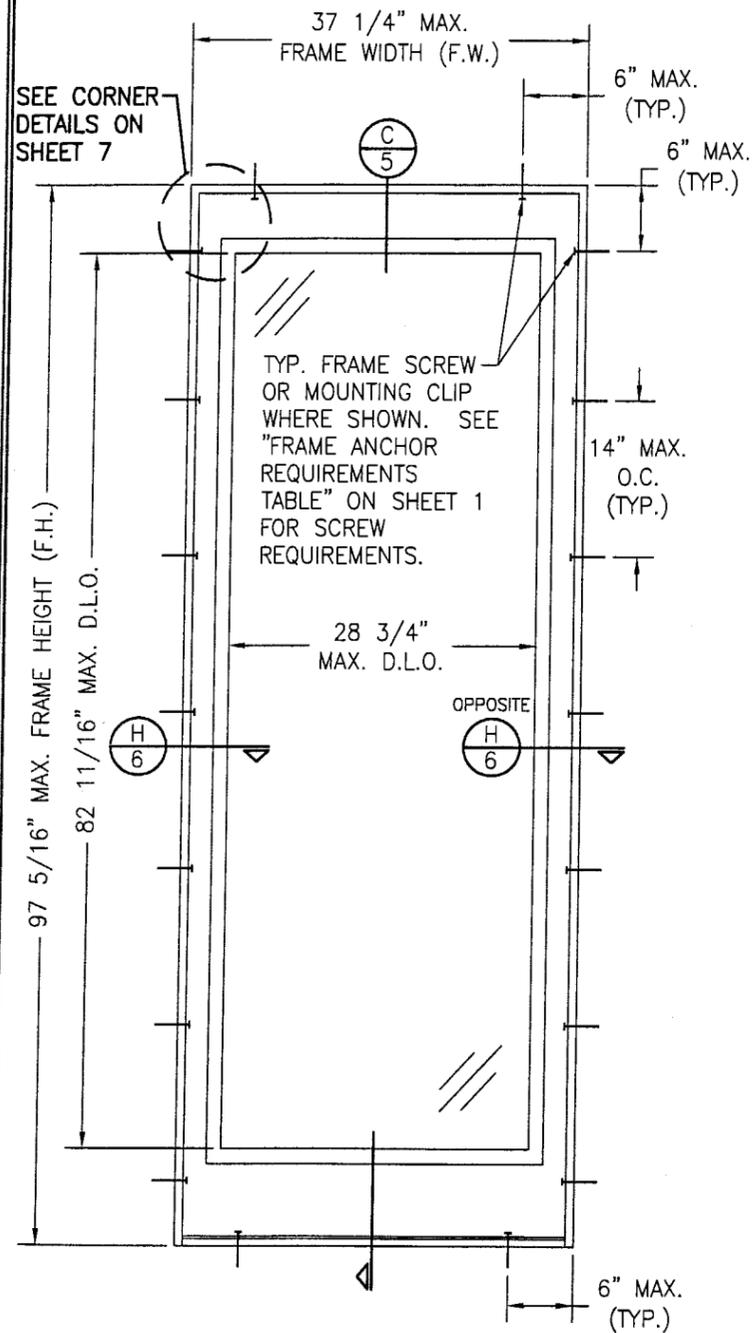
**EXTERIOR ELEVATION  
MULTIPLE OPERABLE/FIXABLE UNIT**

SCALE: 3/4"=1'-0"  
 (FOR ANY DETAIL NOT SHOWN, SEE ELEVATION ON SHEET 1)  
 NOTE: OXOX DOOR SHOWN. ALL OTHER 4-PANEL CONFIGURATIONS  
 OF SINGLE/DOUBLE DOORS & SIDELIGHTS ALSO APPLY.

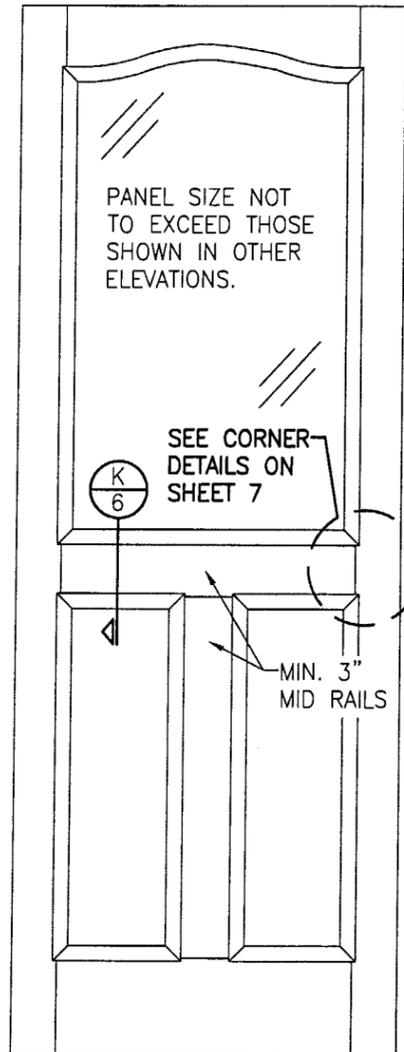
NOTE: DOORS MAY BE FULLY  
 GLAZED AS SHOWN, PARTIALLY  
 PANELED OR FULLY PANELED.  
 SEE SHEET 4 ELEVATION FOR  
 PANELED DOORS.

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 04-0211.09  
 Expiration Date 03/21/03  
 By *Cleopatra Bean*  
 Miami Dade Product Control  
 Division

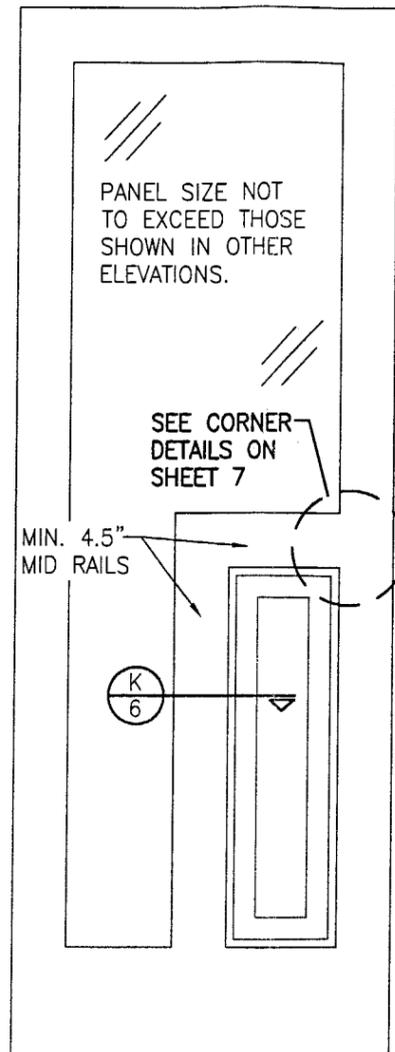
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PLOT: 1=16		DATE: 11/12/03	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE <b>8 FOOT WOOD OUTSWINGING IMPACT DOORS</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>		MANUFACTURER <b>SIGNATURE DOOR INC.</b>	
8895 N. MILITARY 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>1069</b>		REV.	
SHEET NO. <b>3</b>		OF <b>10</b>	



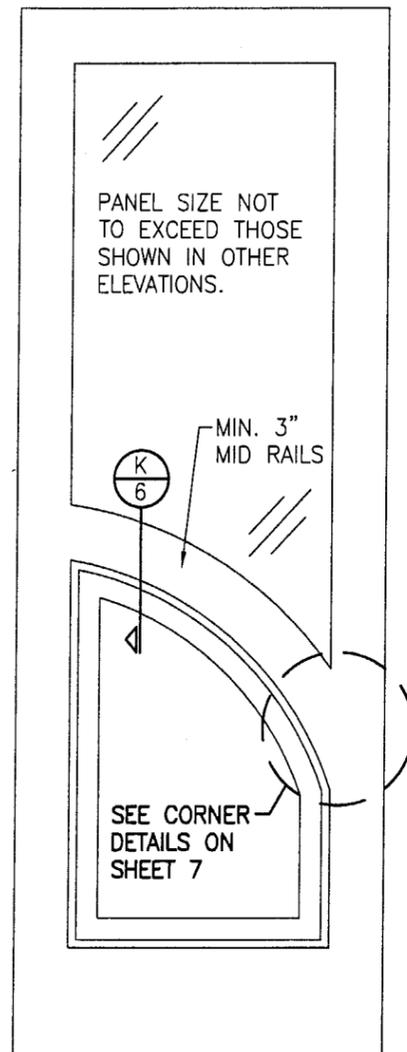
**EXTERIOR ELEVATION  
SINGLE FIXED PANEL**  
SCALE: 3/4"=1'-0"



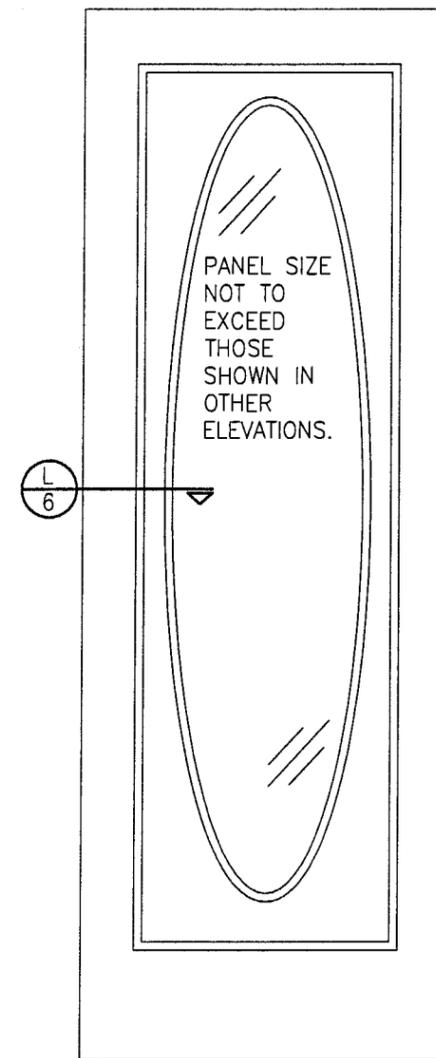
**EXTERIOR ELEVATION  
SOLID RAISED PANEL WITH  
STANDARD MID RAILS**  
SCALE: 3/4"=1'-0"



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



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

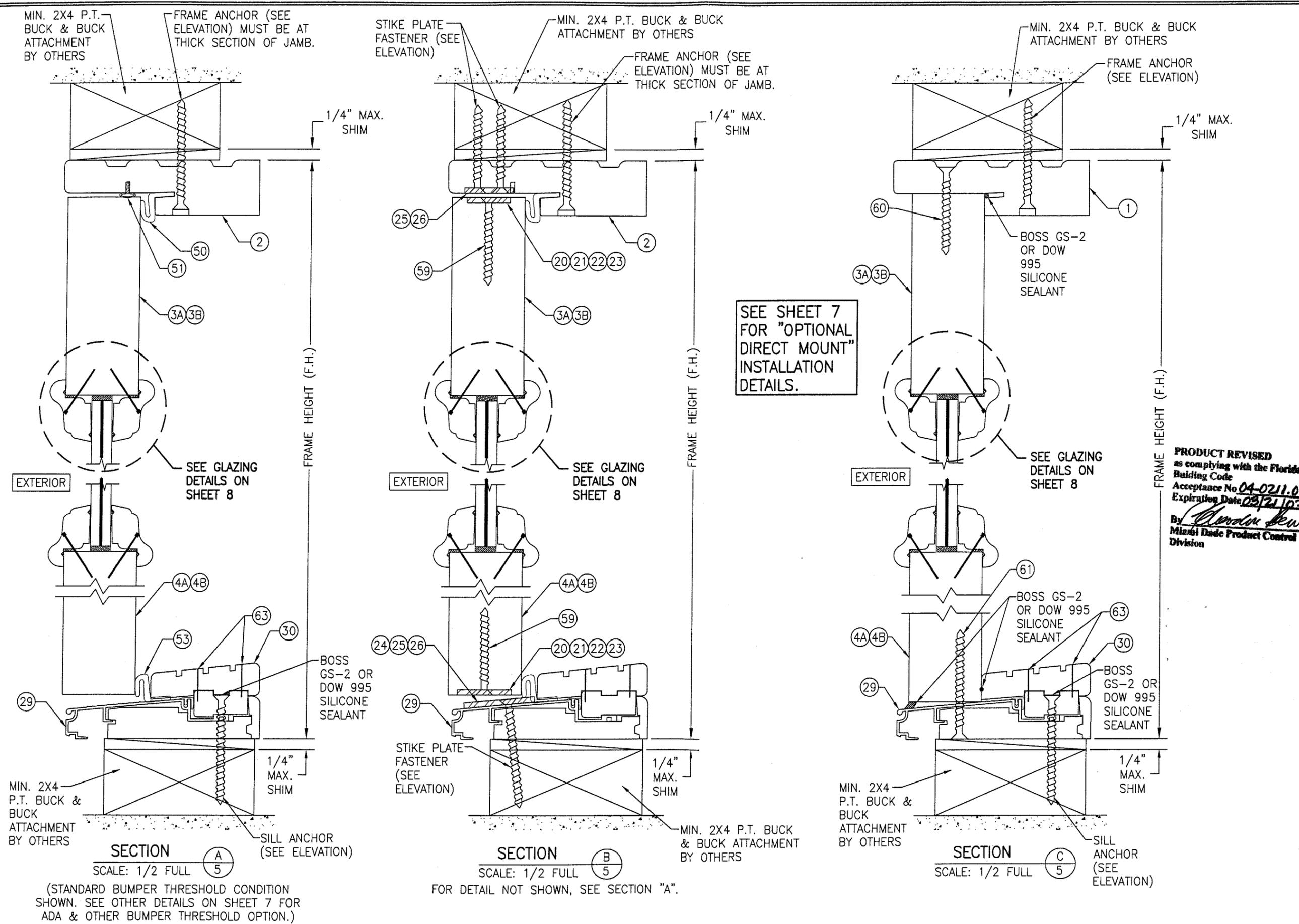


**EXTERIOR ELEVATION  
RAISED PANEL WITH GLASS  
GLAZED TO PANEL**  
SCALE: 3/4"=1'-0"

- 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.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 04-0211.09  
Expiration Date 03/21/07  
By *Alvin Keimer*  
Miami Dade Product Control  
Division

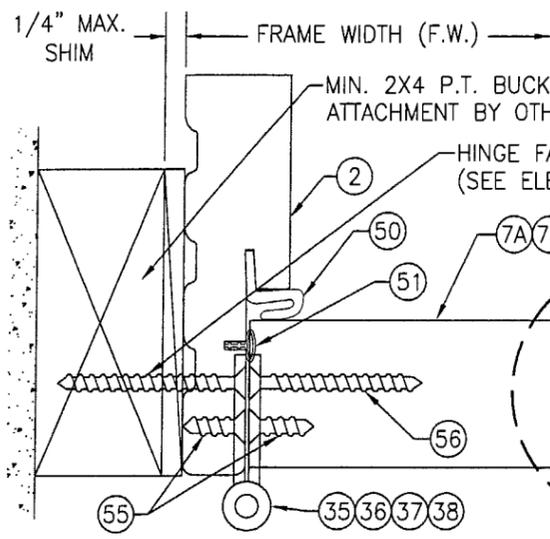
DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 11/12/03	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE <b>8 FOOT WOOD OUTSWING IMPACT DOORS</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER <b>SIGNATURE DOOR INC.</b> 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>1069</b>	REV.	SHEET NO. <b>4 OF 10</b>	



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

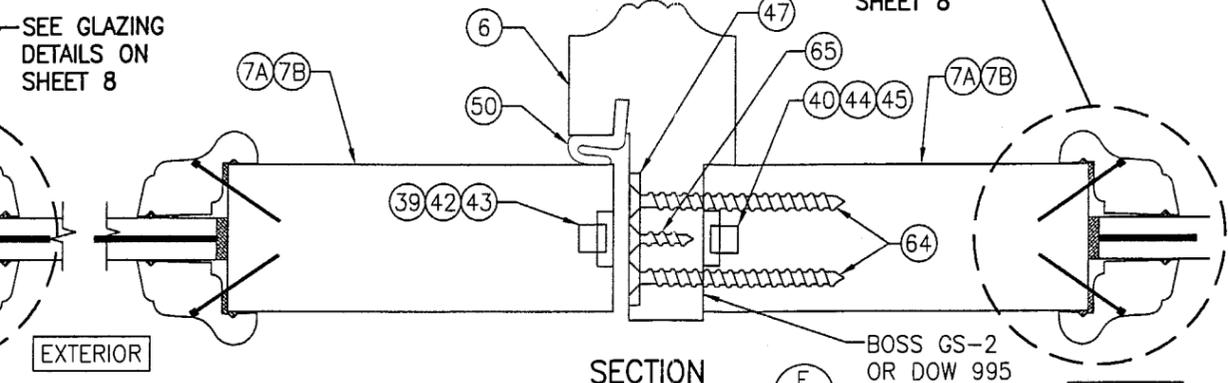
**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 04-0211.09  
 Expiration Date 03/21/03  
 By *London Ken*  
 Miami Dade Product Control Division

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/12/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE <b>8 FOOT WOOD OUTSWING 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	MANUFACTURER <b>SIGNATURE DOOR INC.</b> 401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770
CERTIFICATION <b>FEB 09 2004</b> <i>Warren W. Schaefer</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. <b>1069</b>	REV.
SHEET NO. <b>5</b>	OF 10

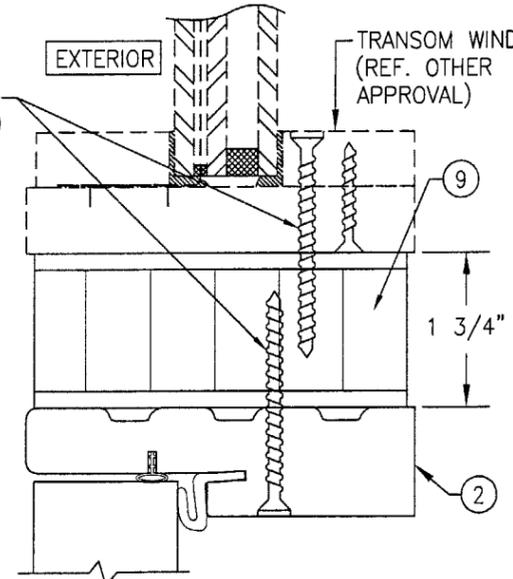


SECTION D  
SCALE: 1/2 FULL

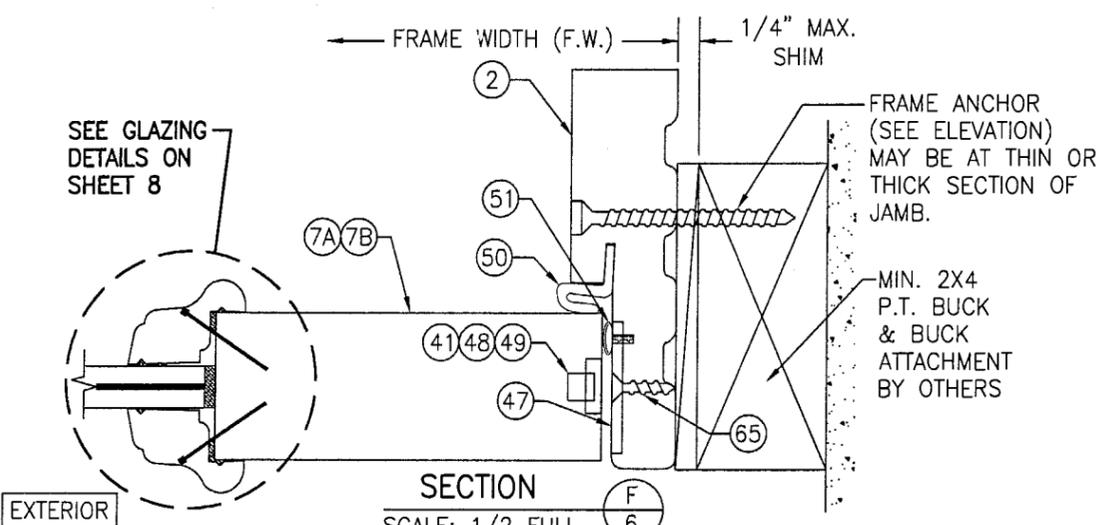
SEE SHEET 7 FOR "OPTIONAL DIRECT MOUNT" INSTALLATION DETAILS.



SECTION E  
SCALE: 1/2 FULL

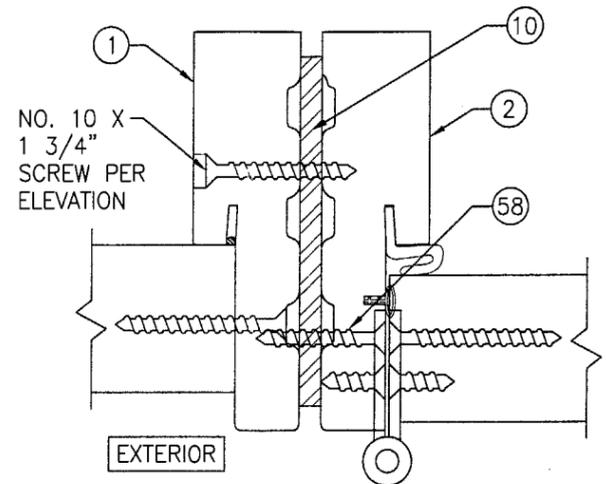


SECTION G1  
SCALE: 1/2 FULL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

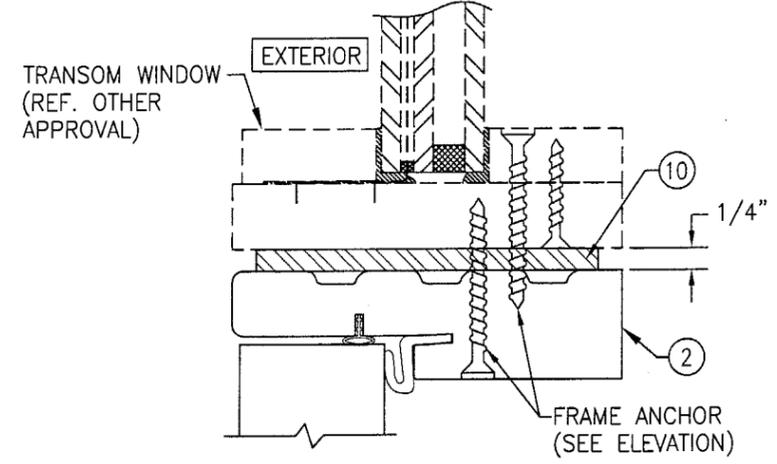


SECTION F  
SCALE: 1/2 FULL

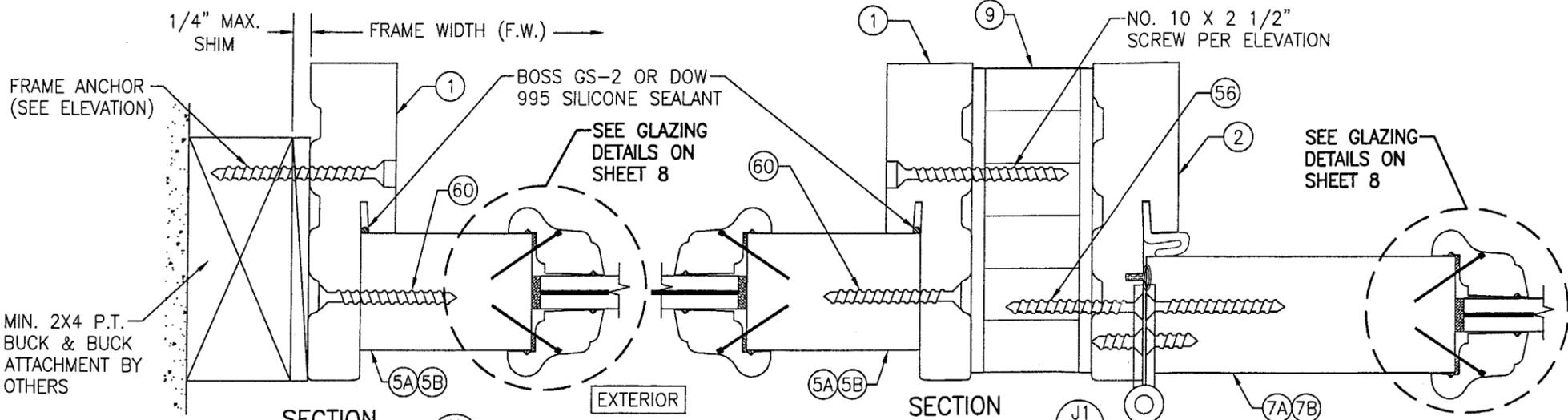
NOTE: SHOWN WITH MULTI-POINT LOCK HARDWARE. SINGLE POINT MORTISE LOCK ALSO MAY BE USED AT SINGLE DOORS PER SHEET 1.



SECTION J2  
SCALE: 1/2 FULL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



SECTION G2  
SCALE: 1/2 FULL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



SECTION H  
SCALE: 1/2 FULL

SECTION J1  
SCALE: 1/2 FULL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 04-0211-09  
Expiration Date 03/21/03  
By *Warren W. Schaefer*  
Miami Dade Product Control Division

DRAWN BY:	K.P.S.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	11/12/03
DATE			
BY			
REVISION DESCRIPTION			
NO.			

DRAWING TITLE: 8 FOOT WOOD OUTSWING IMPACT DOORS

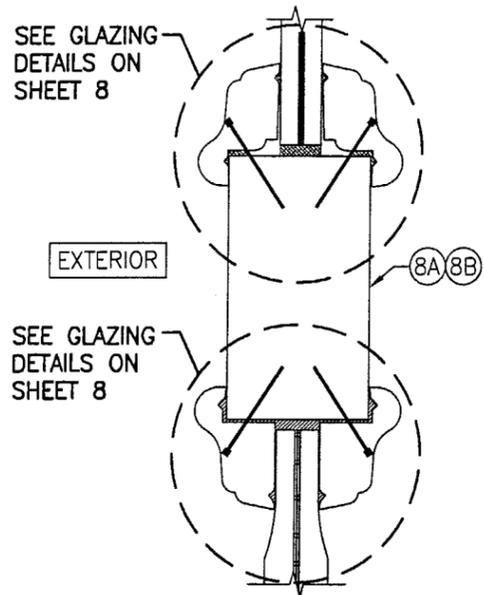
MANUFACTURER: SIGNATURE DOOR INC.  
401 JUNIATA STREET  
ALTOONA, PA 16602  
814-949-2770

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

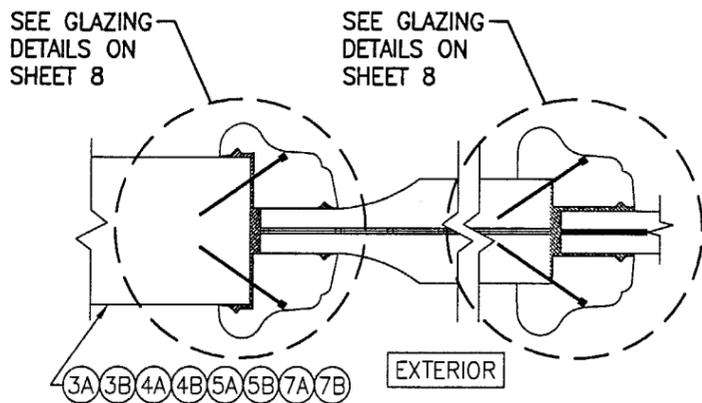
CERTIFICATION: FEB 09 2004

By *Warren W. Schaefer*, P.E.  
WARREN W. SCHAEFER, P.E.  
P.E. NO. 44135

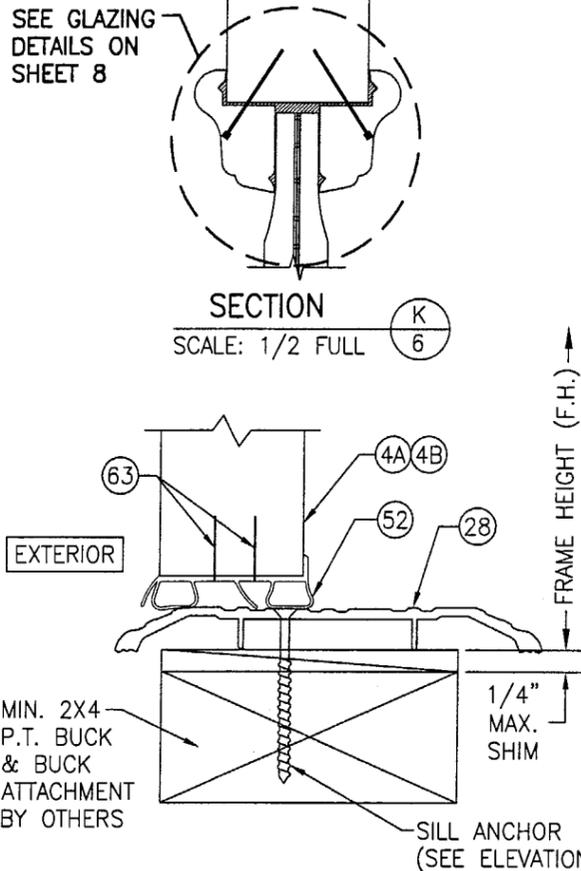
DRAWING NO. 1069  
SHEET NO. 6 OF 10



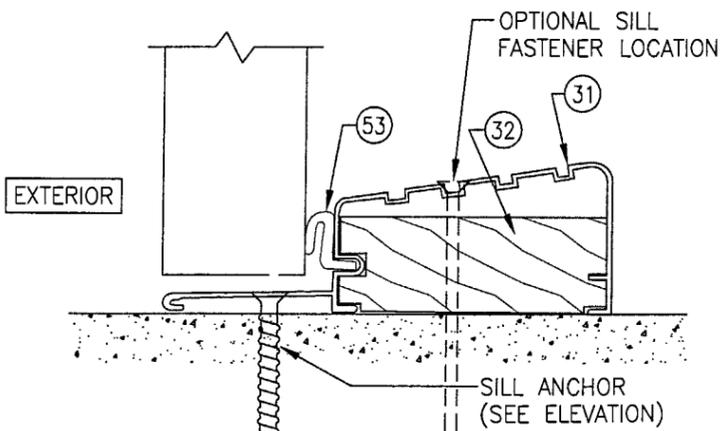
SECTION K  
SCALE: 1/2 FULL



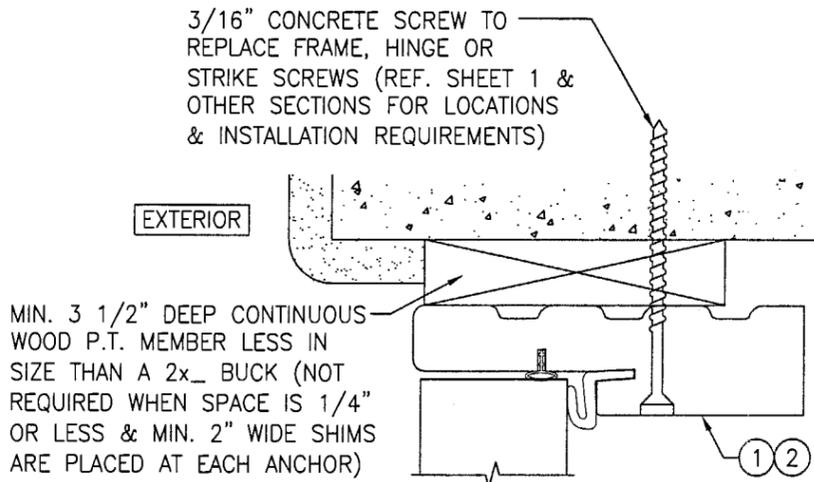
SECTION L  
SCALE: 1/2 FULL



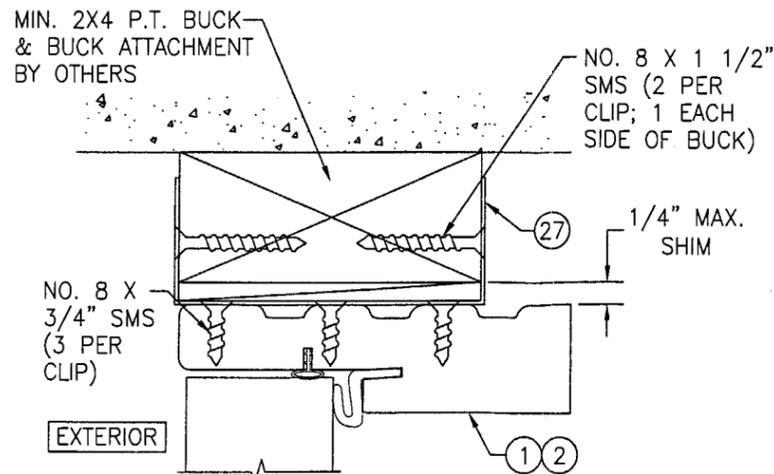
OPTIONAL ADA THRESHOLD DETAIL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



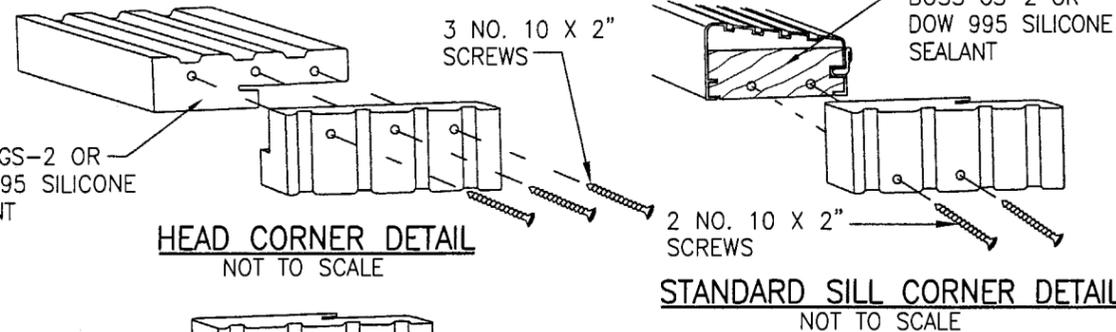
OPTIONAL BUMPER THRESHOLD DETAIL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



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

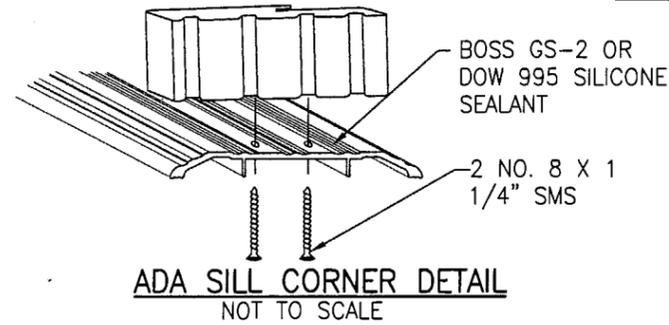


OPTIONAL CLIP MOUNT DETAIL  
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS  
(HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)

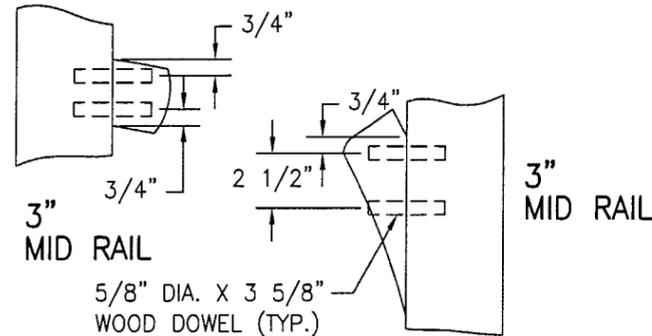


HEAD CORNER DETAIL  
NOT TO SCALE

STANDARD SILL CORNER DETAIL  
NOT TO SCALE

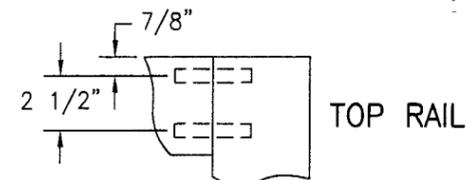


ADA SILL CORNER DETAIL  
NOT TO SCALE

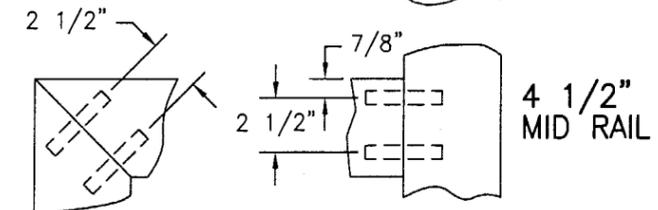


3" MID RAIL

3" MID RAIL

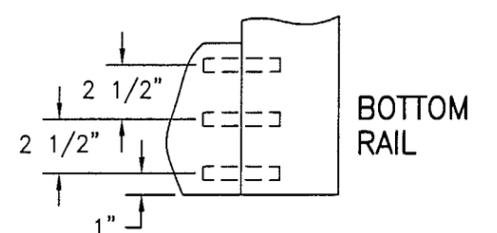


TOP RAIL



4 1/2" MID RAIL

4 1/2" MID RAIL



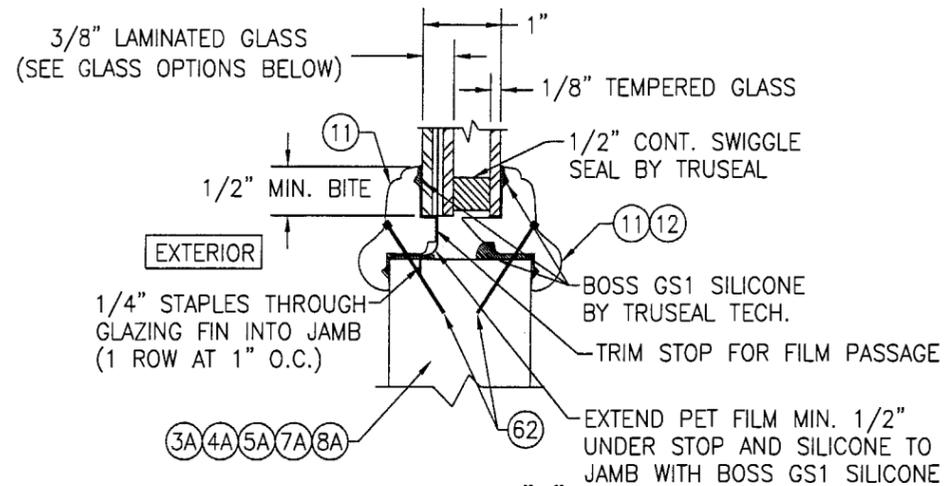
BOTTOM RAIL

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.

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No 04-0211.09  
Expiration Date 03/21/03  
By *Alan Lee*  
Misaki Dade Product Control  
Division

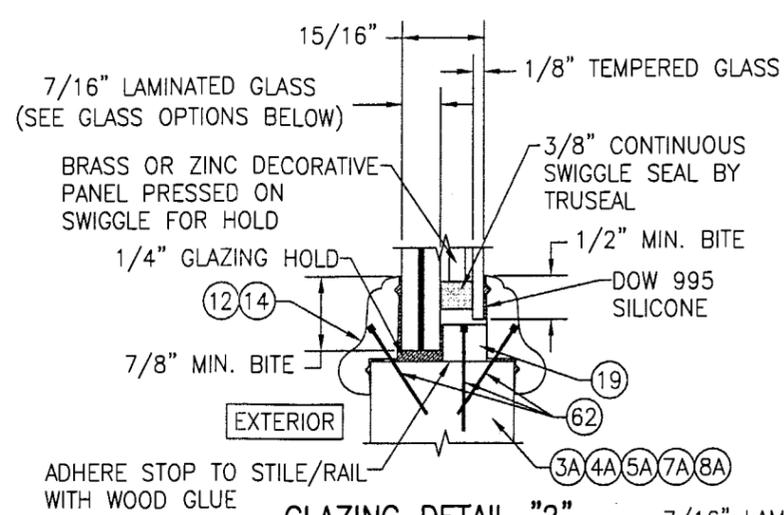
DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/12/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE <b>8 FOOT WOOD OUTSWING IMPACT DOORS</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>	MANUFACTURER <b>SIGNATURE DOOR INC.</b>
8895 N. MILITARY TRAIL, SUITE C-204 PALM 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>1069</b>	REV.
SHEET NO. <b>7 OF 10</b>	



**GLAZING DETAIL "1"**

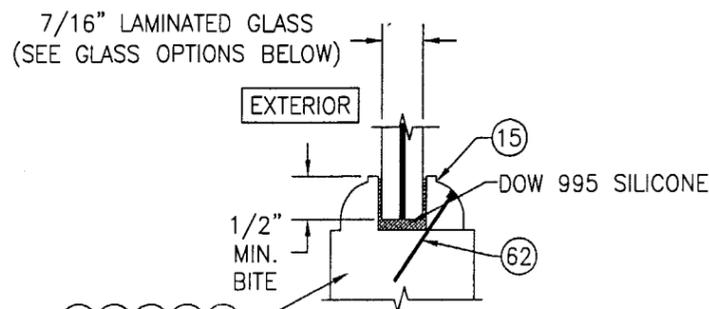
**GLASS OPTION (GLAZING DETAIL 1)**

- 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.)



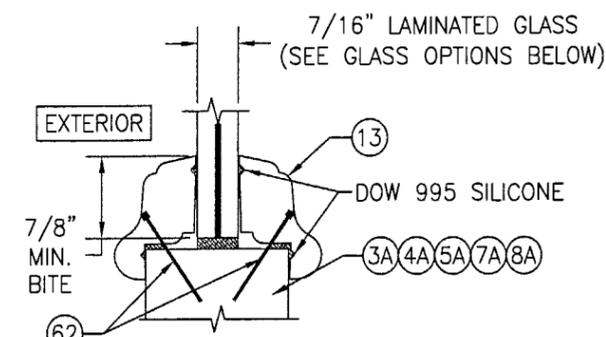
**GLAZING DETAIL "2"**

SCALE: 1/2 FULL



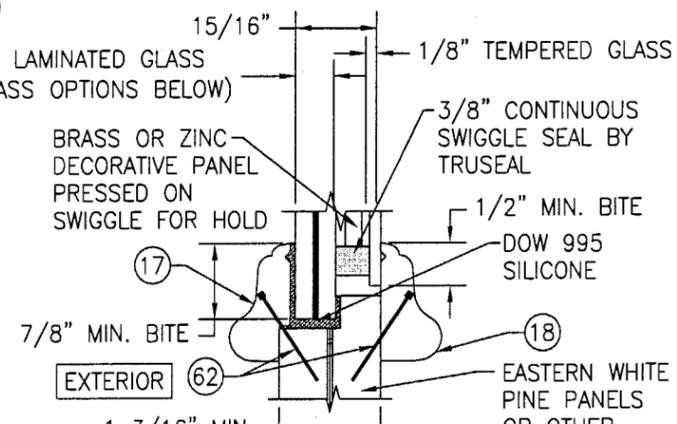
**GLAZING DETAIL "3"**

SCALE: 1/2 FULL



**GLAZING DETAIL "4"**

SCALE: 1/2 FULL



**GLAZING DETAIL "5"**

SCALE: 1/2 FULL

**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"				

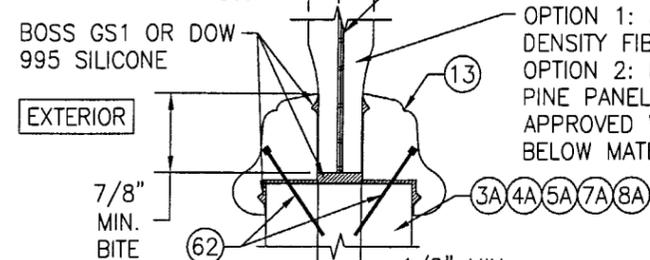
**ALLOWABLE DESIGN PRESSURE (WITH GLASS OPTIONS 1, 3, 4 & 5 ONLY)**

(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: DOORS ARE APPROVED FOR WATER INFILTRATION RESISTANCE WHEN THE BUMPER THRESHOLDS (ITEMS 29 & 31) ARE USED. WHEN THE "ADA" THRESHOLD IS USED, 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.

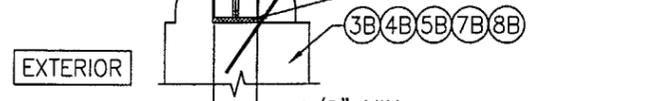
- 3/4" MIN. WITH WOOD PANELS;
- 1 1/4" MIN. WITH MDF PANELS
- 3/8" MIN. WITH WOOD PANELS;
- 5/8" MIN. WITH MDF PANELS



**GLAZING DETAIL "6"**

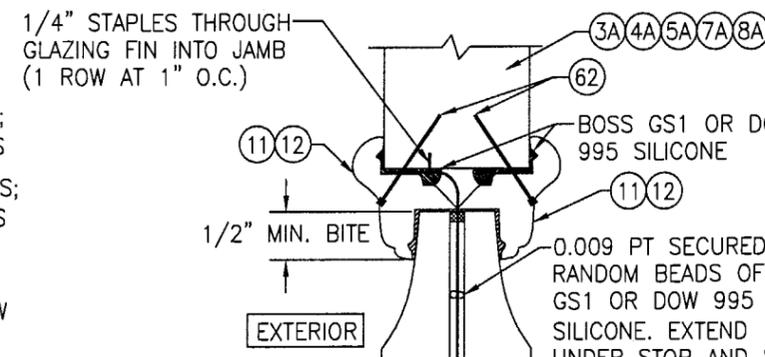
SCALE: 1/2 FULL

- 0.009 PT SECURED WITH RANDOM BEADS OF BOSS GS1 OR DOW 995 SILICONE
- OPTION 1: MDF (MEDIUM DENSITY FIBERBOARD) PANELS
- OPTION 2: EASTERN WHITE PINE PANELS OR OTHER APPROVED WOOD PER NOTE BELOW MATERIAL LIST
- 3/4" MIN. WITH WOOD PANELS;
- 1 1/4" MIN. WITH MDF PANELS
- 3/8" MIN. WITH WOOD PANELS;
- 5/8" MIN. WITH MDF PANELS



**GLAZING DETAIL "7"**

SCALE: 1/2 FULL

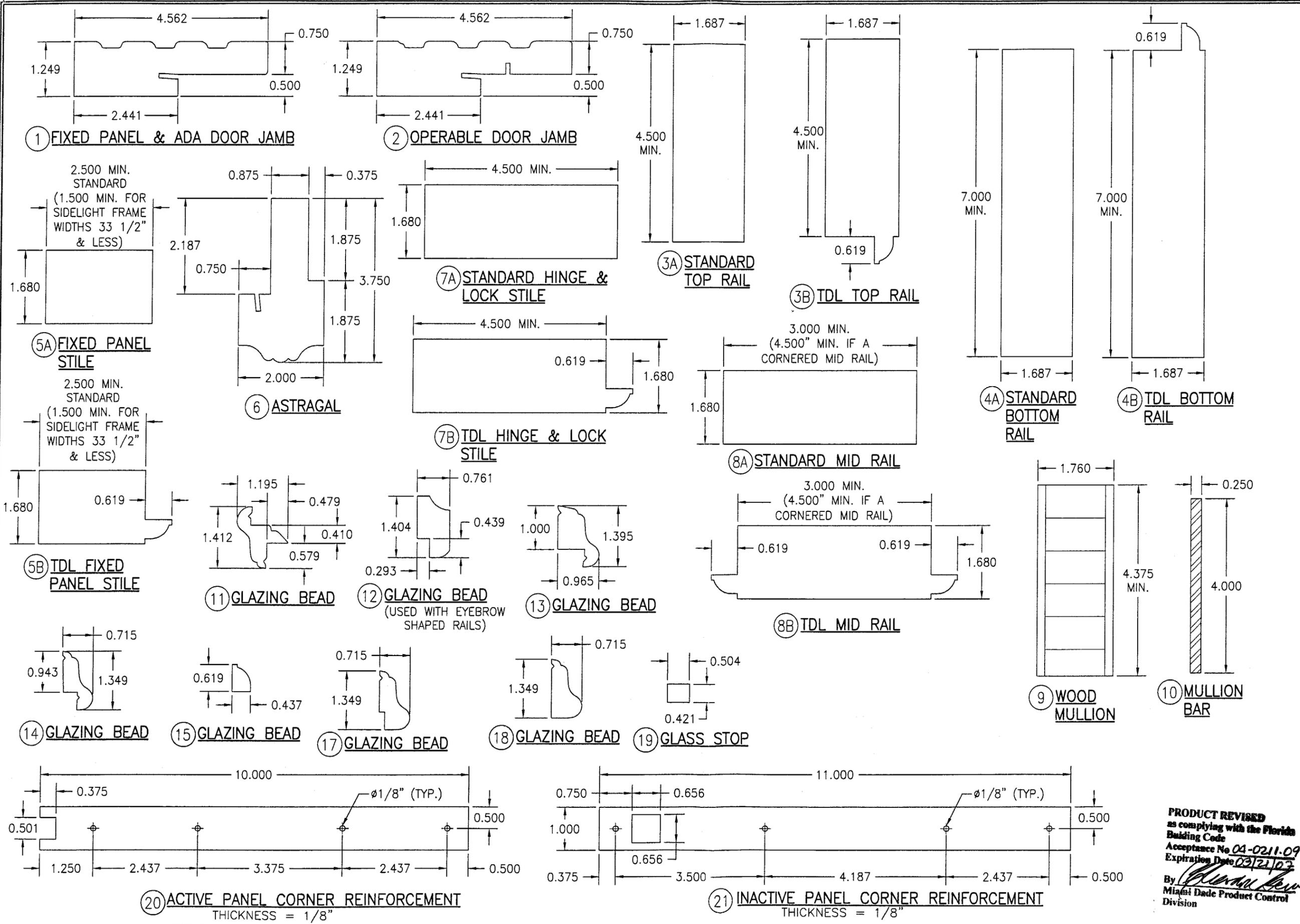


**GLAZING DETAIL "8"**

EASTERN WHITE PINE PANELS OR OTHER APPROVED WOOD PER NOTE BELOW MATERIAL LIST.

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 04-0211.09  
 Expiration Date 03/21/07  
 By: *Warren W. Schaefer*  
 Miami Dade Product Control Division

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/12/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	
<b>8 FOOT WOOD OUTSWING 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	
DRAWING TITLE	
<b>WARREN W. SCHAEFER, P.E.</b> P.E. NO. 44135	
CERTIFICATION	
<b>FEB-09 2004</b>	
DRAWING NO.	REV.
1069	
SHEET NO.	
8	OF 10



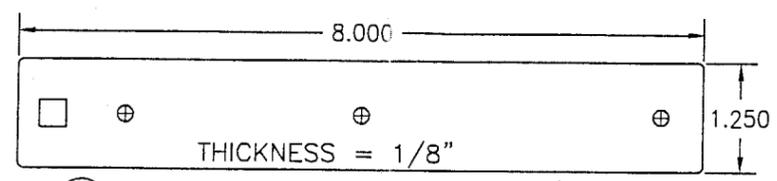
DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/12/03	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 8 FOOT WOOD OUTSWING IMPACT DOORS			
MANUFACTURER: SIGNATURE DOOR INC. 401 JUNIATA STREET ALTOONA, PA 16602 814-949-2770			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION: FEB 09 2004 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1069		REV.	
SHEET NO. 9 OF 10			

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 04-0211-09  
 Expiration Date 03/21/03  
 By *[Signature]*  
 Miami Dade Product Control  
 Division

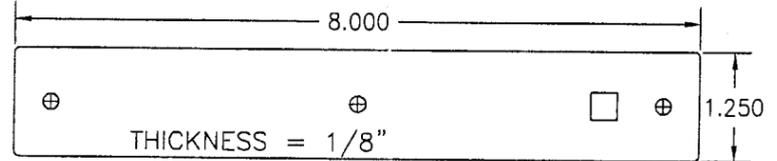
ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	FIXED PANEL & ADA DOOR JAMB	* WOOD (LAMINATED WITH CURVED JAMB)
2	OPERABLE DOOR JAMB	* WOOD (LAMINATED WITH CURVED JAMB)
3A	TOP RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
3B	TDL TOP RAIL	LVL OR LAMINATED RED OAK CORE (PINE VENEER)
4A	BOTTOM RAIL	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	OUTSWING THRESHOLD	IMPERIAL 5QCW; TO BE USED WITH ITEM 30
30	BUMPER SILL	HARDWOOD; TO BE USED WITH ITEM 29
31	ALUMINUM THRESHOLD	6063-T5 ALUMINUM
32	THRESHOLD FILLER	POPLAR
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	BULB WEATHERSTRIPPING	ULTRAFAB E10210BN3020
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

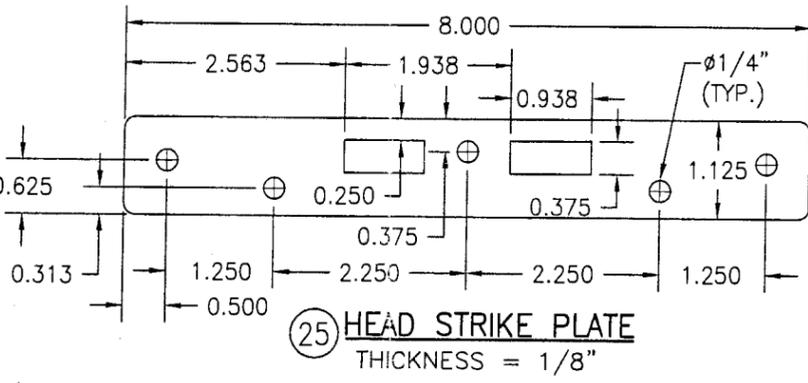
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 04-0211-09  
 Expiration Date 03/21/07  
 By: *Clayton Bernier*  
 Miami Dade Product Control  
 Division



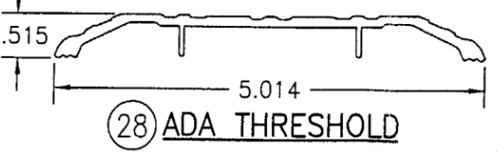
22 ACTIVE PANEL CORNER REINFORCEMENT



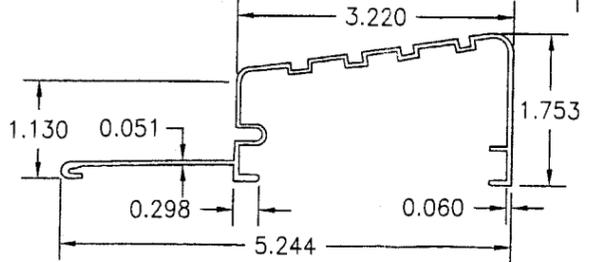
23 INACTIVE PANEL CORNER REINFORCEMENT



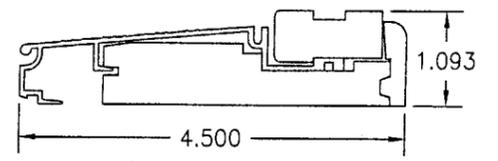
25 HEAD STRIKE PLATE  
THICKNESS = 1/8"



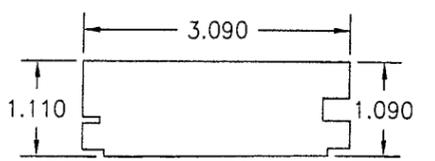
28 ADA THRESHOLD



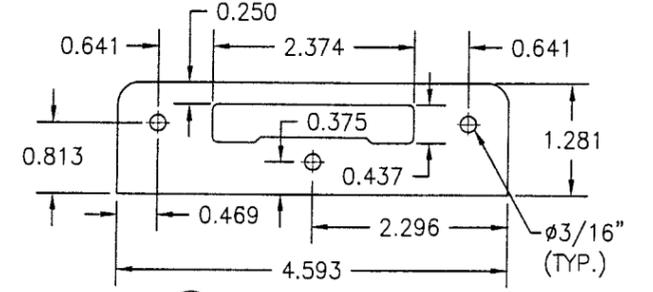
31 ALUMINUM THRESHOLD



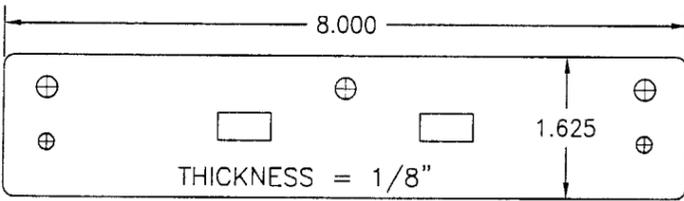
29 OUTSWING THRESHOLD



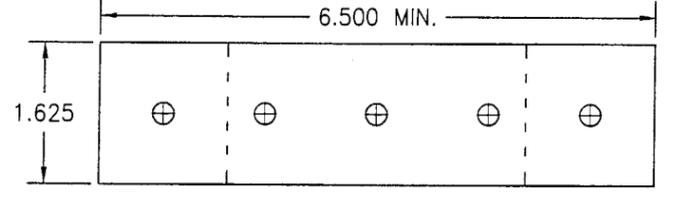
32 THRESHOLD FILLER



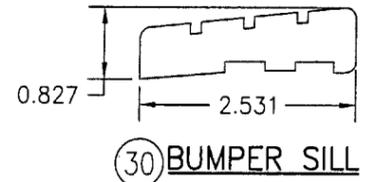
24 SILL STRIKE PLATE  
THICKNESS = 3/32"



26 HEAD & SILL STRIKE PLATE



27 MOUNTING CLIP  
THICKNESS = 0.044"



30 BUMPER SILL

\* 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.

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 11/12/03
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE <b>8 FOOT WOOD OUTSWING IMPACT DOORS</b>	
MANUFACTURER <b>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	
SIGNATURE DOOR INC. 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>1069</b>	REV.
SHEET NO. <b>10 OF 10</b>	