



**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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Impact Wood Panel & French Doors

APPROVAL DOCUMENT: Drawing No. 1069, titled "Impact Wood Panel & French Doors", sheets 1 through 7 of 7, prepared by Warren W. Schaefer, P. E., dated 12/28/01, 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.

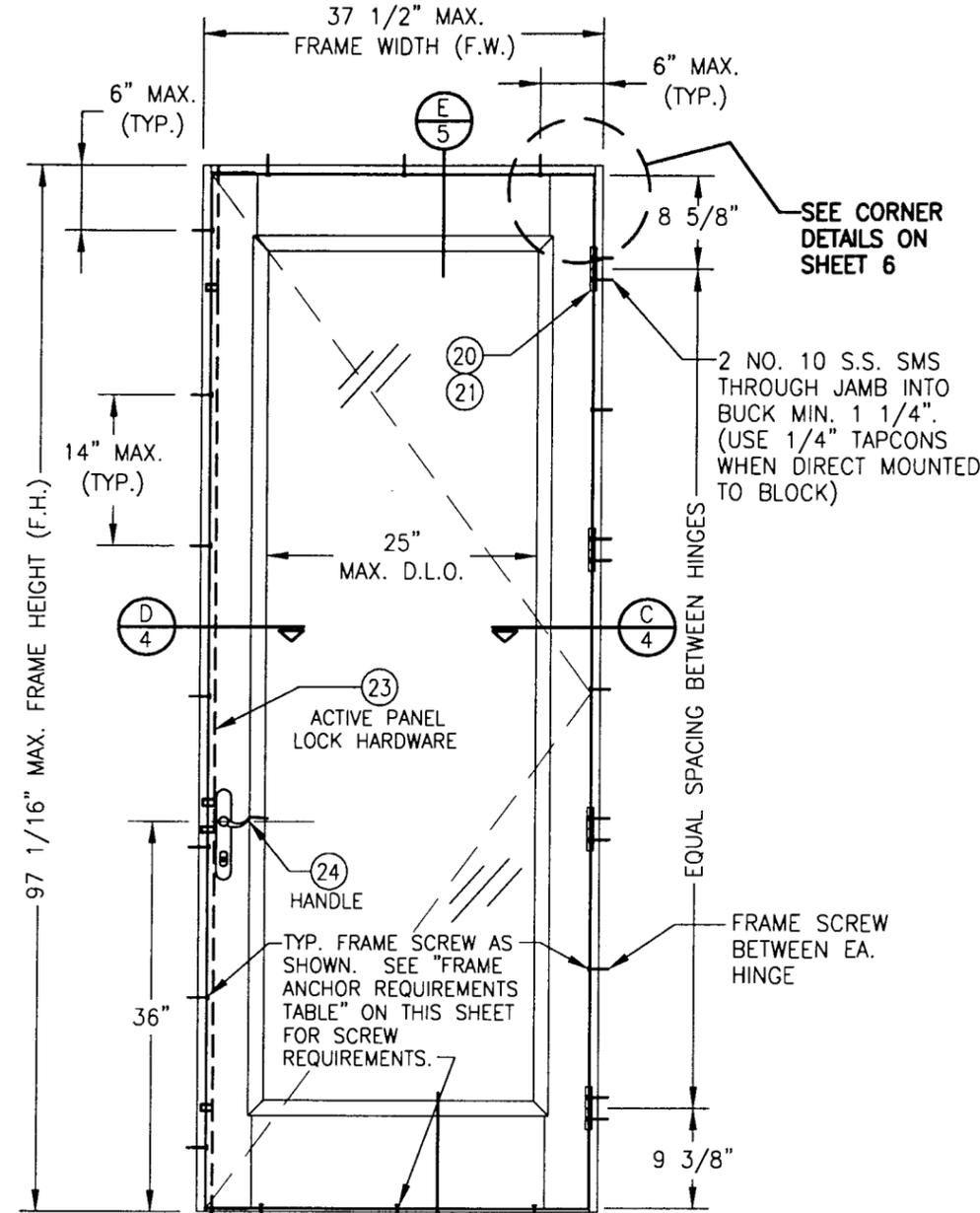
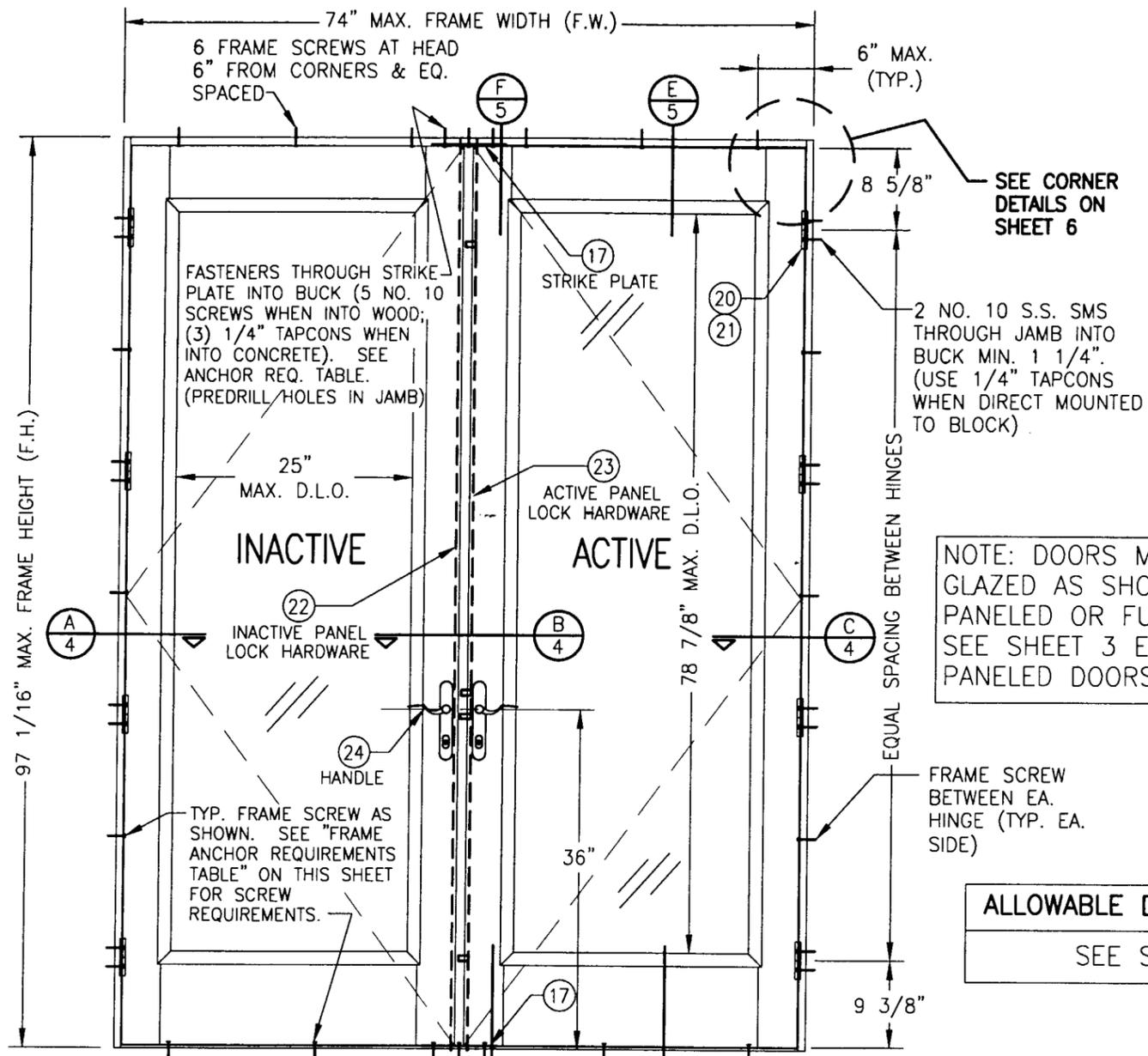
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 as well as approval document mentioned above.
The submitted documentation was reviewed by **Raul Rodriguez**.



**NOA No 02-0115.10
Expiration Date: March 21, 2007
Approval Date: March 21, 2002
Page 1**



NOTE: DOORS MAY BE FULLY GLAZED AS SHOWN, PARTIALLY PANELED OR FULLY PANELED. SEE SHEET 3 ELEVATION FOR PANELED DOORS.

ALLOWABLE DESIGN LOAD
SEE SHEET 7

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

FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	JAMB/SILL TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	NO. 10 SMS SCREW	1 3/8"	1"
CMU/CONCRETE	1/4" TAPCON	1 1/4"	2"
CMU/CONCRETE	3/16" TAPCON	1 1/4"	2"

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

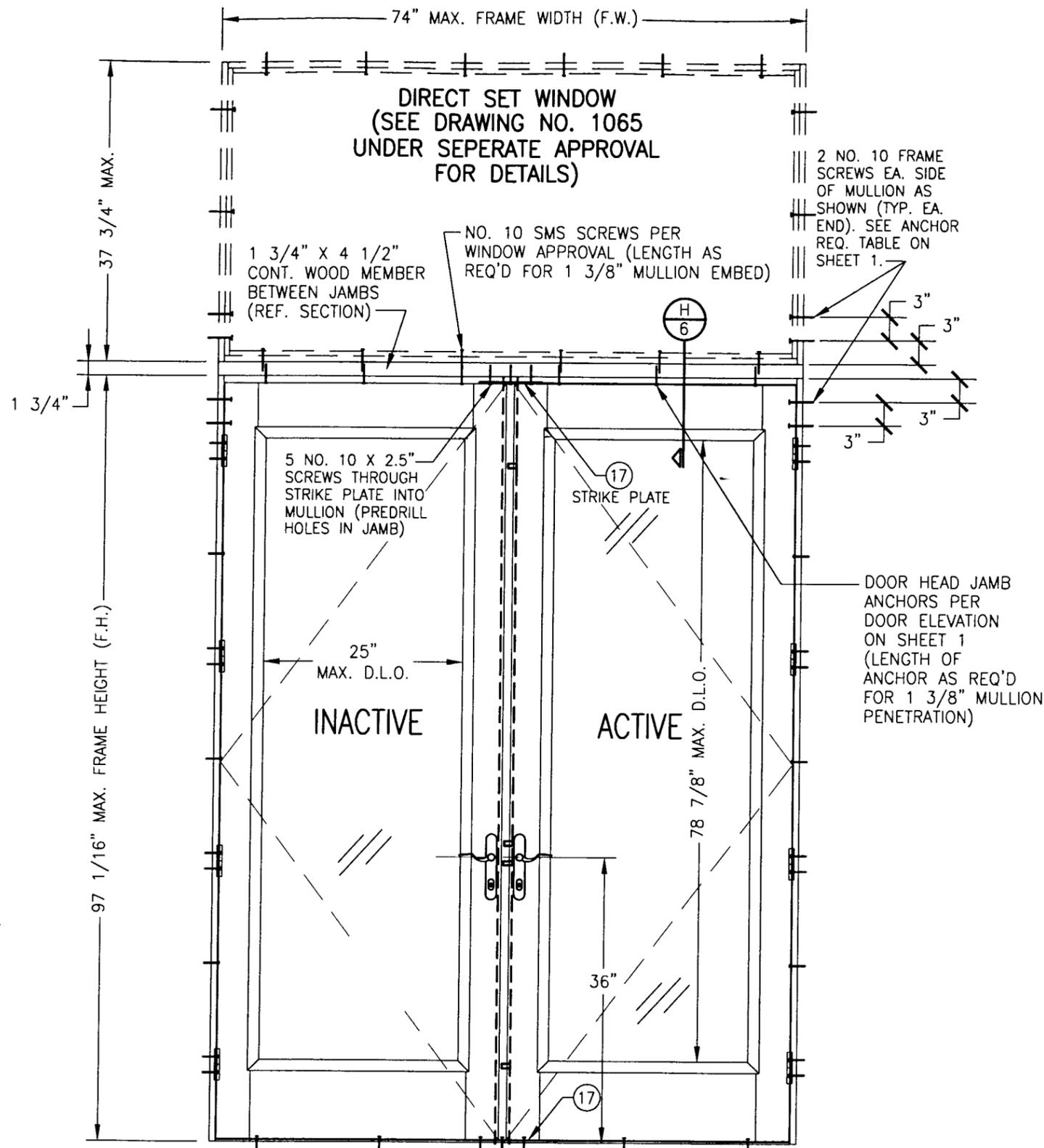
EXTERIOR ELEVATION
DOUBLE OUTSWING DOOR
SCALE: 3/4"=1'-0"

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

- 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 DADE COUNTY PROTOCOLS PA 201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
 - THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, 1994 MIAMI-DADE COUNTY EDITION.
 - 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.

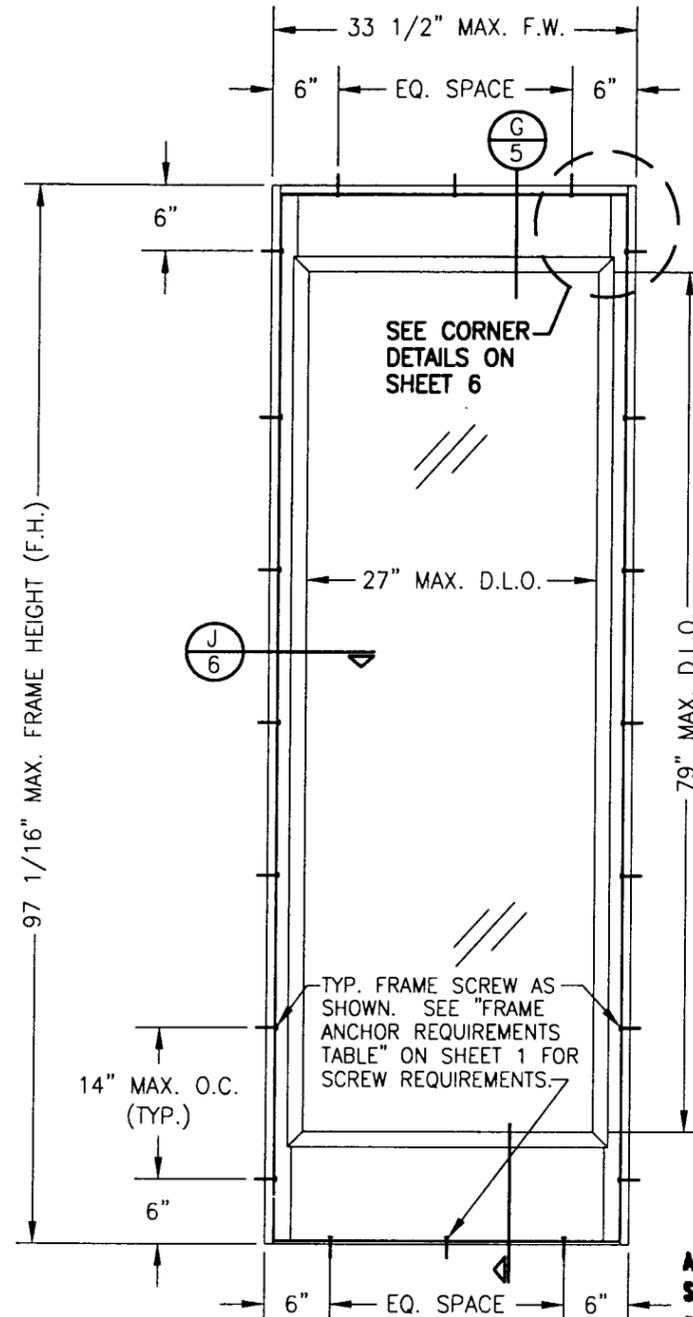
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 10/02/01
DATE	BY
REVISION DESCRIPTION	NO.
IMPACT WOOD PANEL & FRENCH DOORS	
MANUFACTURER SIGNATURE DOOR, INC. 401 JUNIATA STREET ALTOONA, PA 16602 800-741-2265	
CONSULTANTS W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION DEC 28 2001	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1069	REV.
SHEET NO. 1 OF 7	

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE March 21, 2002
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 02-0115.10



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

SEE ELEVATION ON SHEET 1 FOR ALL DOOR INFORMATION & REQUIREMENTS



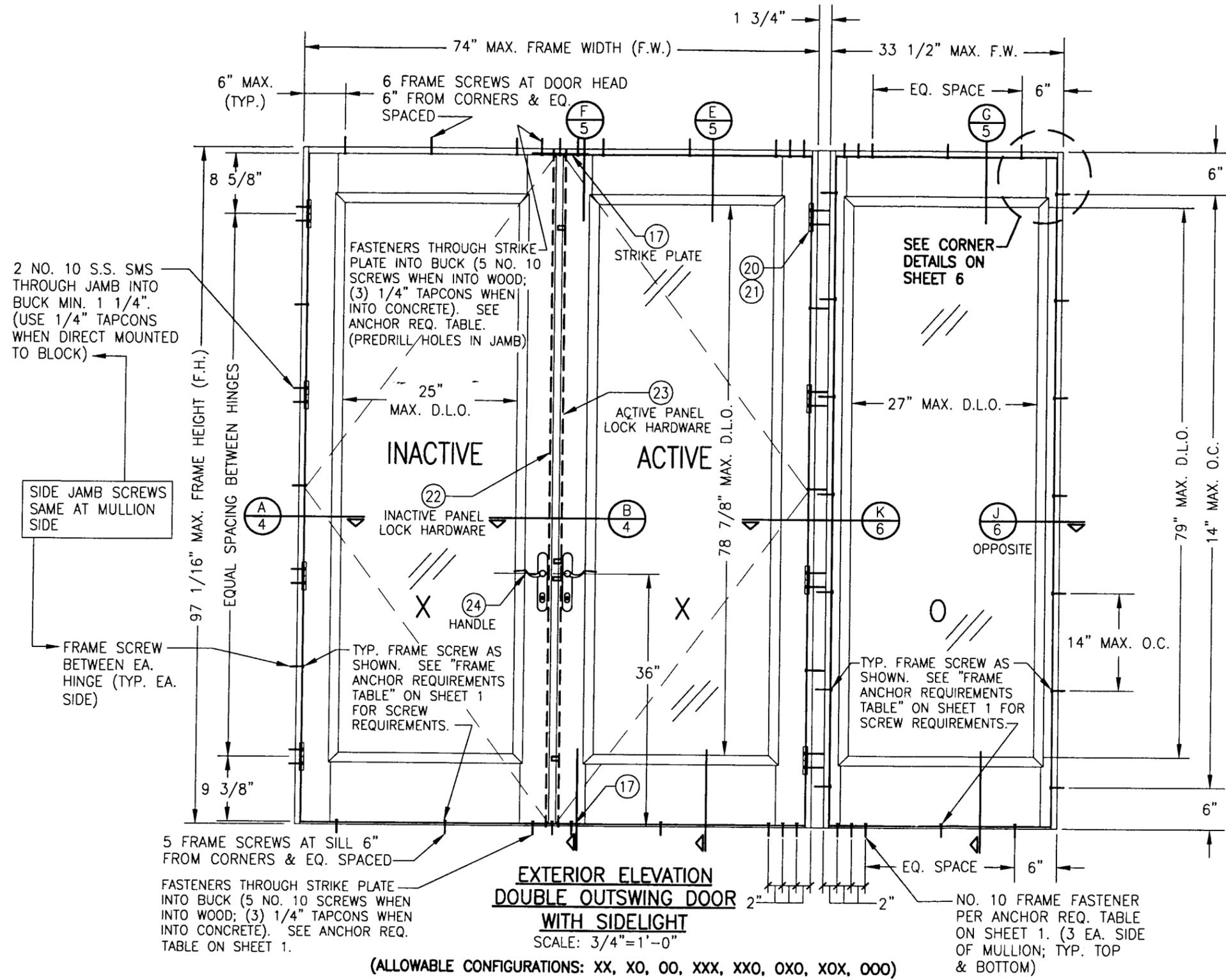
**EXTERIOR ELEVATION
SINGLE FIXED PANEL DOOR**
SCALE: 3/4"=1'-0"

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NOTE: DOORS MAY BE FULLY
GLAZED AS SHOWN, PARTIALLY
PANELED OR FULLY PANELED.
SEE SHEET 3 ELEVATION FOR
PANELED DOORS.

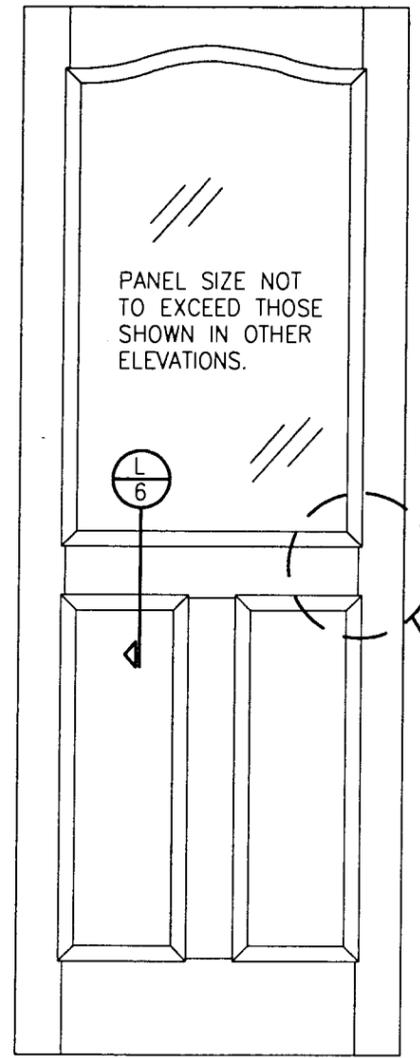
FOR ALLOWABLE DESIGN LOADS,
HINGE REQUIREMENTS, AND
FRAME FASTENER REQUIREMENTS,
SEE SHEET 1 & 7.

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 10/02/01	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE IMPACT WOOD PANEL & FRENCH DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER SIGNATURE DOOR, INC.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		401 JUNIATA STREET ALTOONA, PA 16602 800-741-2265	
CERTIFICATION DEC 28 2001	WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO. 1069	REV.		
SHEET NO. 2	OF 7		



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

(ALLOWABLE CONFIGURATIONS: XX, XO, OO, XXX, XXO, OXO, XOX, OOO)



**EXTERIOR ELEVATION
RAISED PANEL DOOR PANEL**

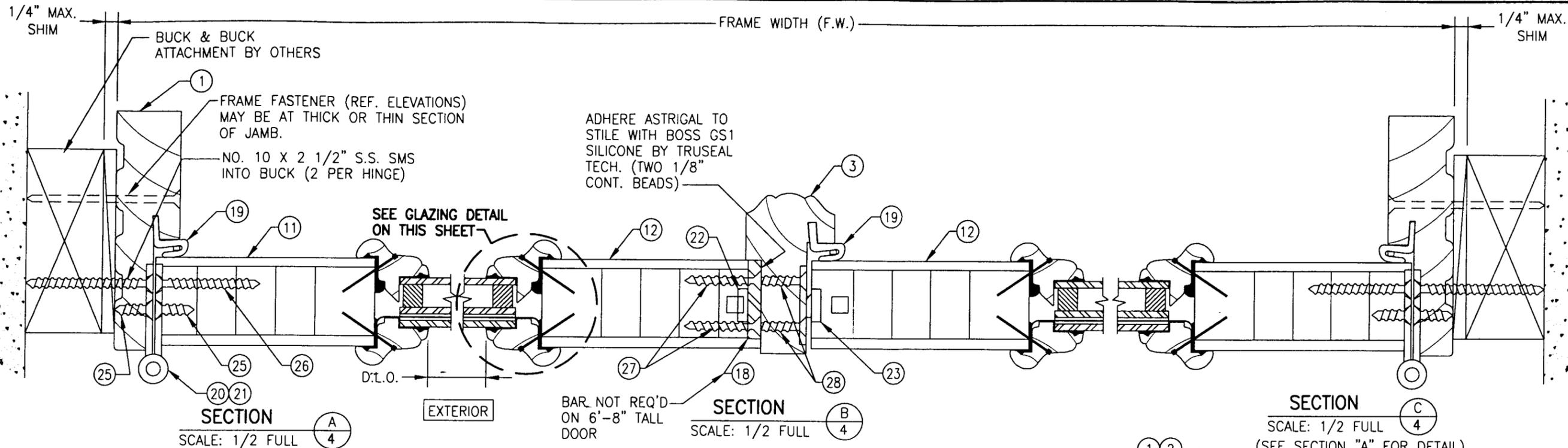
SCALE: 3/4"=1'-0"
PARTIAL PANEL SHOWN ABOVE. FULL PANEL DOORS AND OTHER PANEL CONFIGURATIONS ARE ALSO PART OF THIS APPROVAL AND ARE SIMILAR IN CONSTRUCTION TO THAT SHOWN ABOVE.

PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

FOR ALLOWABLE DESIGN LOADS, HINGE REQUIREMENTS, AND FRAME FASTENER REQUIREMENTS, SEE SHEET 1 & 7.

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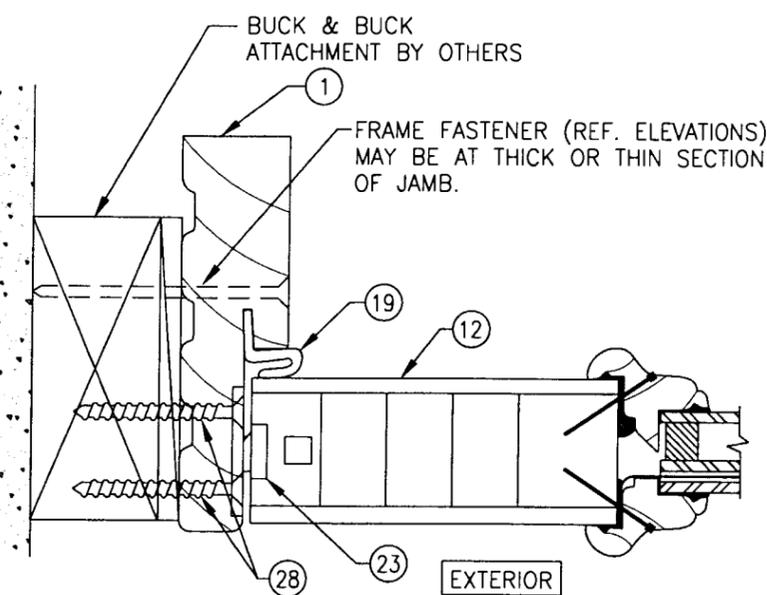
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PLOT: 1=24	DATE: 10/02/01
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE IMPACT WOOD PANEL & FRENCH DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
MANUFACTURER SIGNATURE DOOR, INC.	
401 JUNIATA STREET ALTOONA, PA 16602 800-741-2265	
600 SANDREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION: DEC 28 2001	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1069	REV.
SHEET NO. 3 OF 7	



SECTION A
SCALE: 1/2 FULL

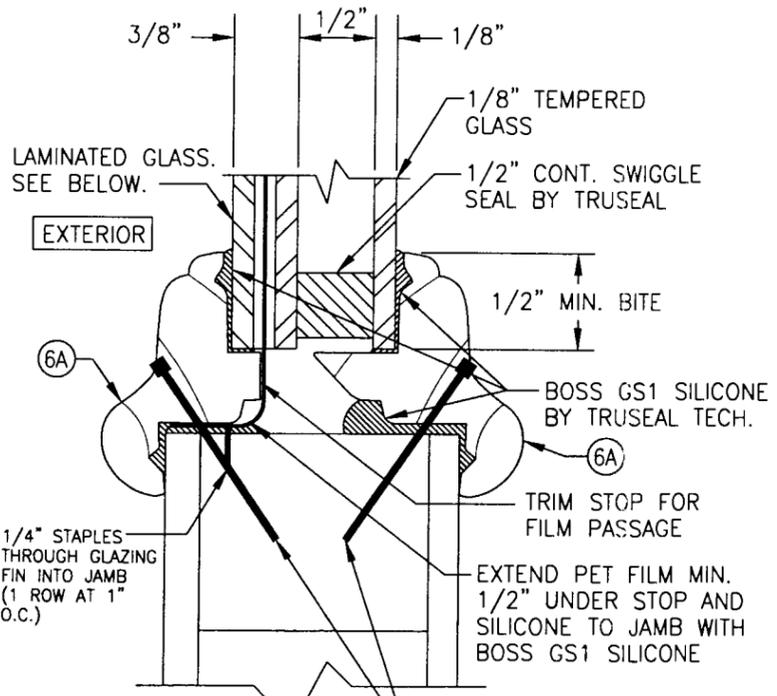
SECTION B
SCALE: 1/2 FULL

SECTION C
SCALE: 1/2 FULL
(SEE SECTION "A" FOR DETAIL)



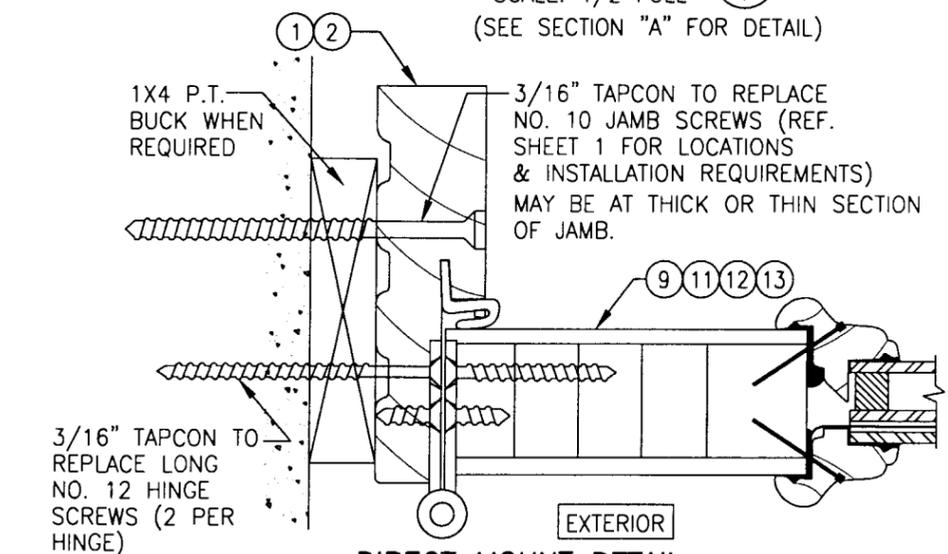
SECTION D
SCALE: 1/2 FULL

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



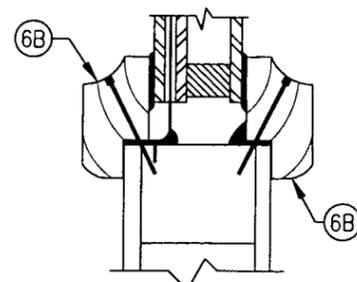
TYP. GLAZING DETAIL

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.) OR (1/8" AN./0.077 RESIN/0.009 PET/0.077 RESIN/1/8" AN.)



DIRECT MOUNT DETAIL

HINGE SIDE DETAIL SHOWN; OTHER JAMBS SIMILAR SEE SECTIONS FOR DETAIL NOT SHOWN

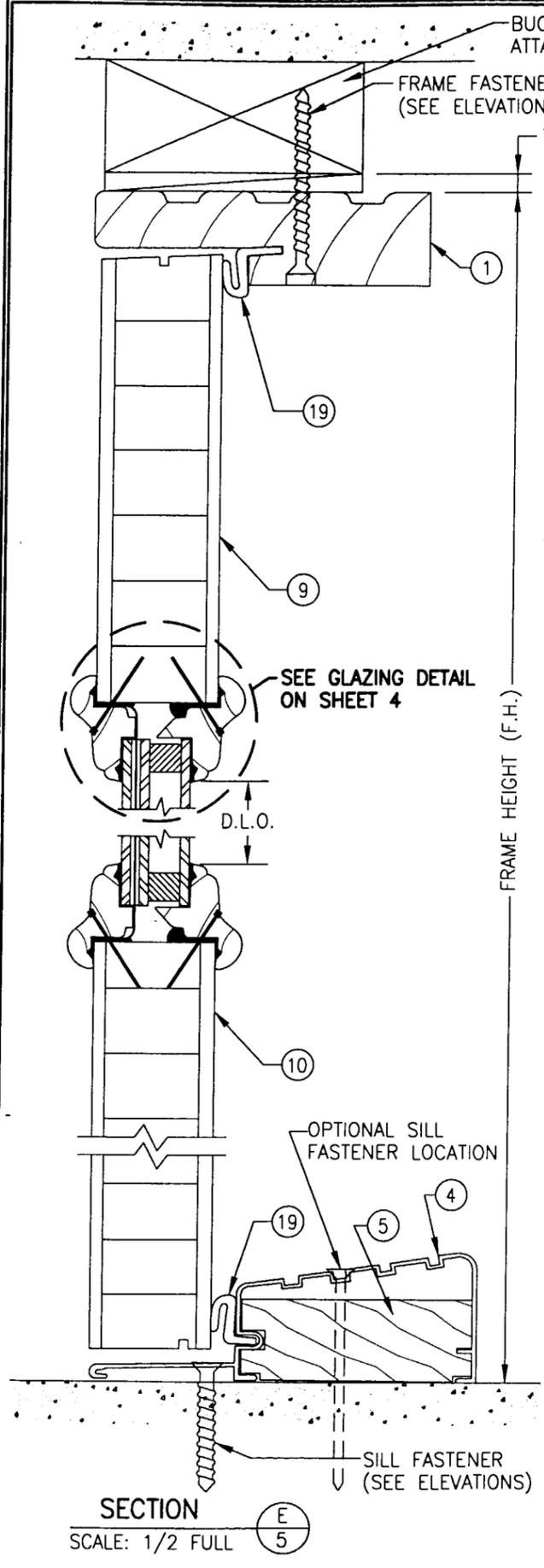


GLAZING DETAIL AT EYEBROW TYPE RAILS

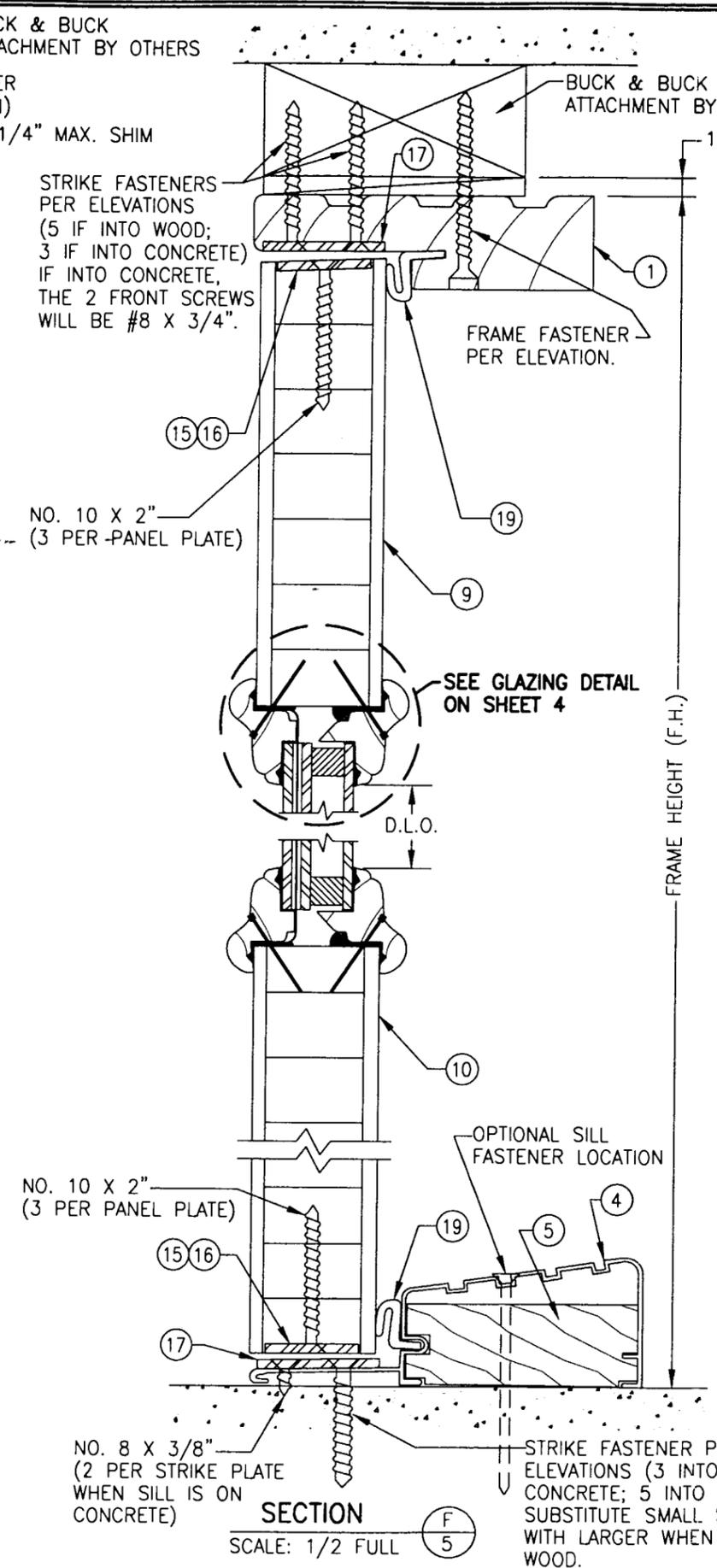
GLAZING IS SAME AS WITH TYP. GLAZING DETAIL EXCEPT FOR THE USE OF STOP 6B VS. 6A

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.	DATE	BY	REVISION DESCRIPTION	NO.
IMPACT WOOD PANEL & FRENCH DOORS					
MANUFACTURER					
SIGNATURE DOOR, INC. 401 JUNIATA STREET ALTOONA, PA 16602 800-741-2265					
CONSULTANTS					
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903					
DRAWING TITLE	CERTIFICATION	DATE	BY	REV.	SHEET NO.

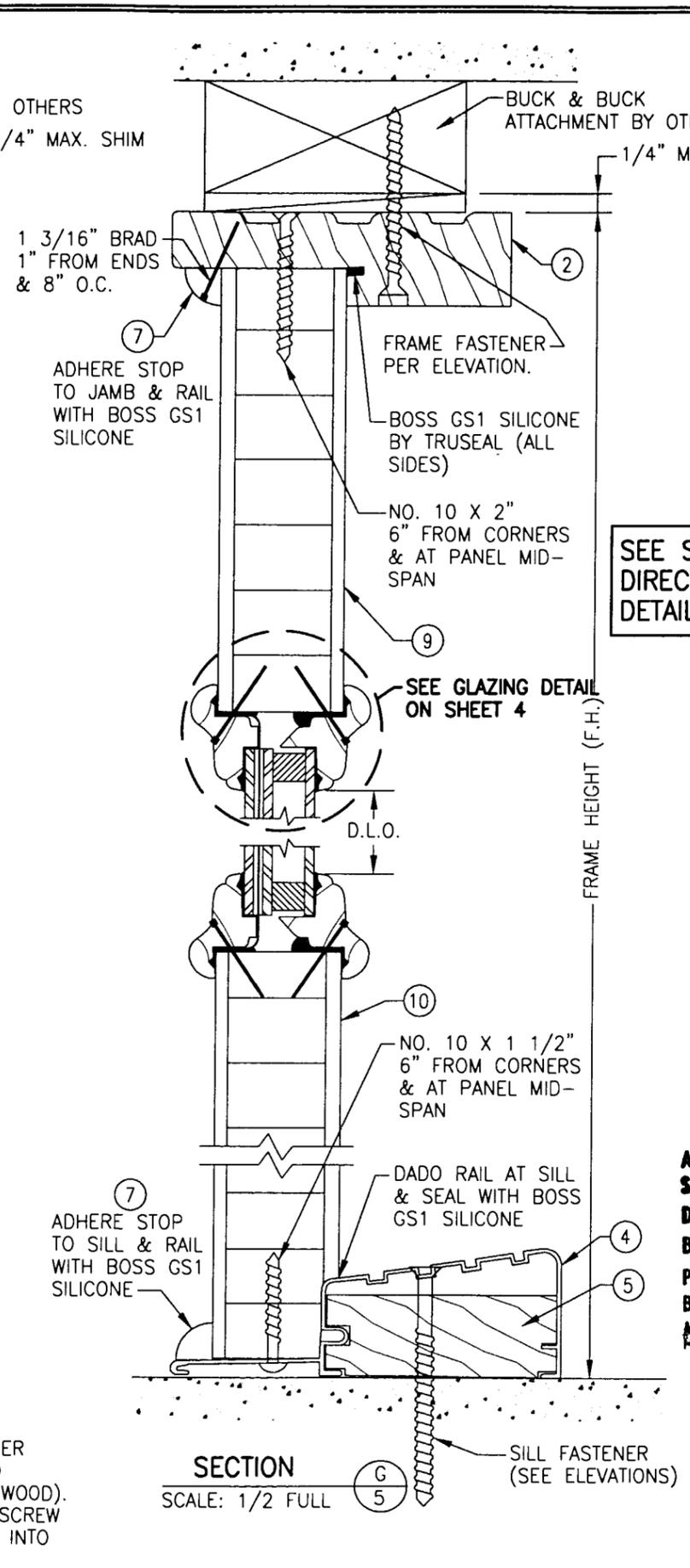
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE March 21, 2003
BY [Signature]
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SECTION E
SCALE: 1/2 FULL



SECTION F
SCALE: 1/2 FULL

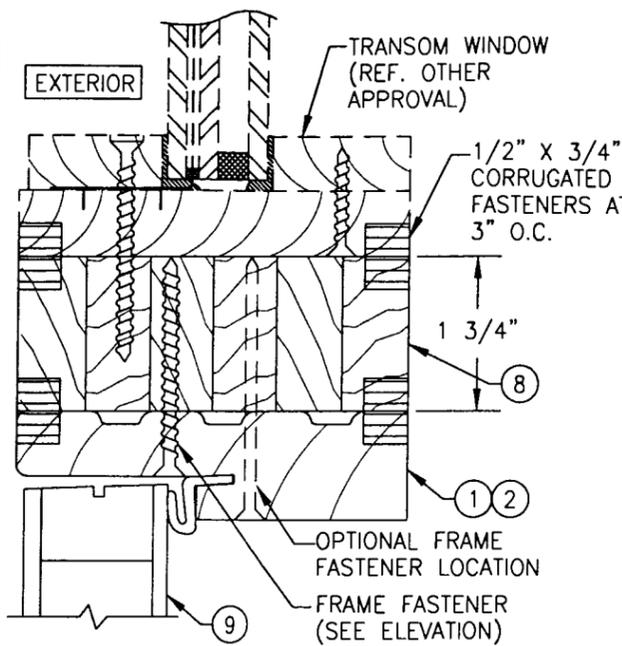


SECTION G
SCALE: 1/2 FULL

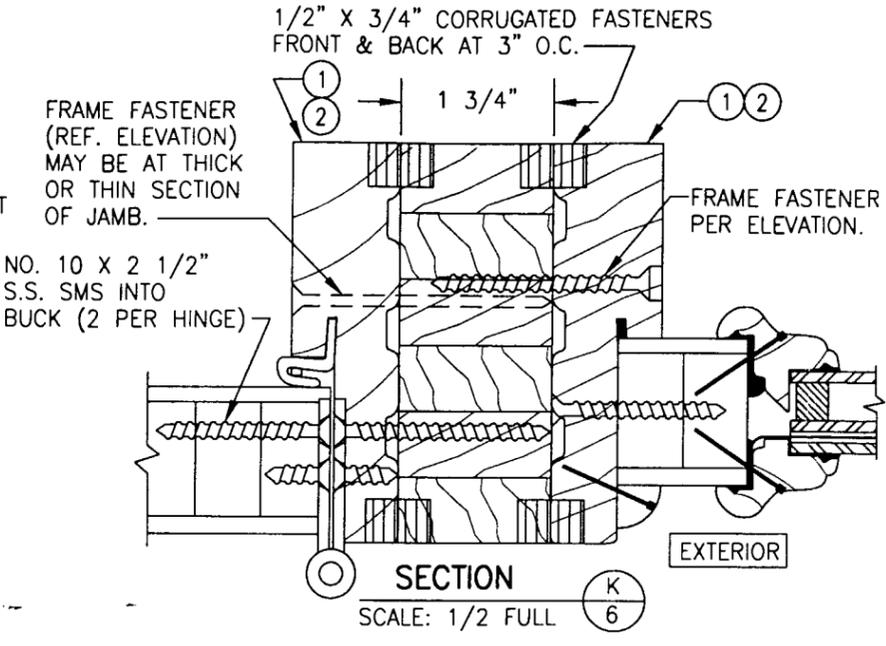
SEE SHEET 4 FOR "OPTIONAL DIRECT MOUNT" INSTALLATION DETAILS.

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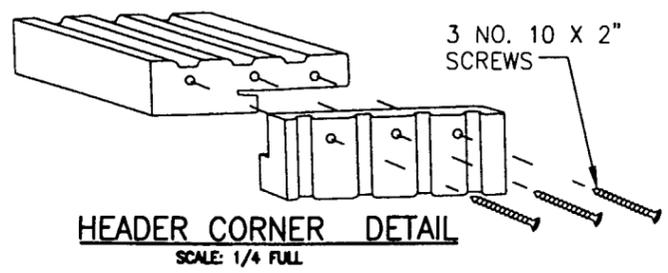
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 10/02/01	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: IMPACT WOOD PANEL & FRENCH DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: SIGNATURE DOOR, INC.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		401 JUNIATA STREET ALTOONA, PA 16602 800-741-2265	
CERTIFICATION: DEC 28 2001		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1069		REV.	
SHEET NO. 5		OF 7	



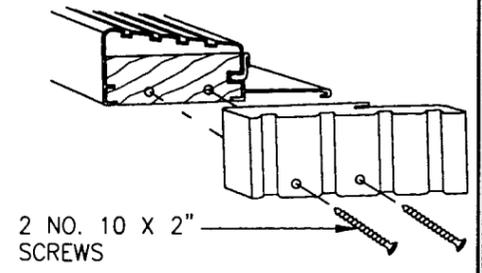
SECTION H
SCALE: 1/2 FULL



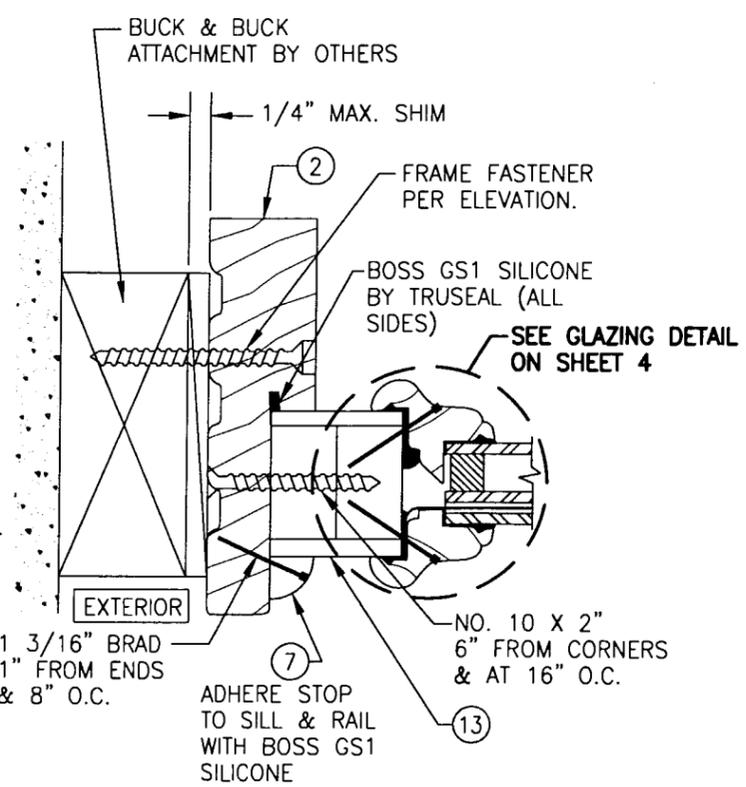
SECTION K
SCALE: 1/2 FULL



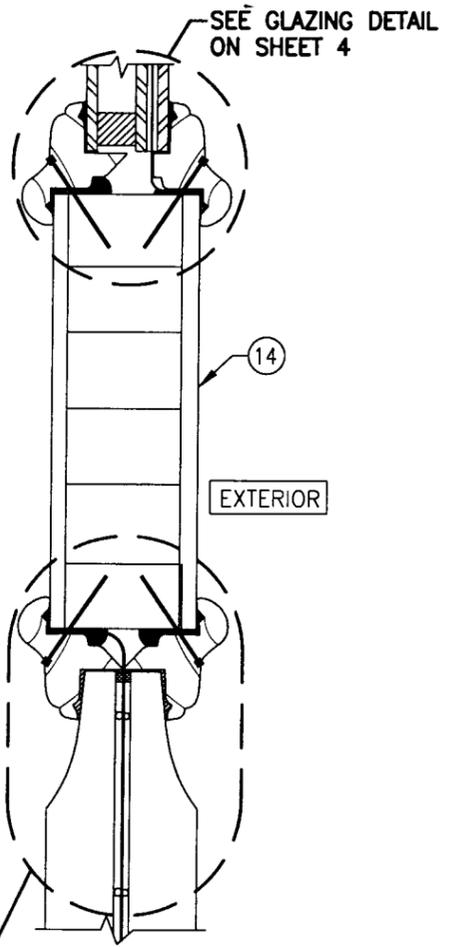
HEADER CORNER DETAIL
SCALE: 1/4 FULL



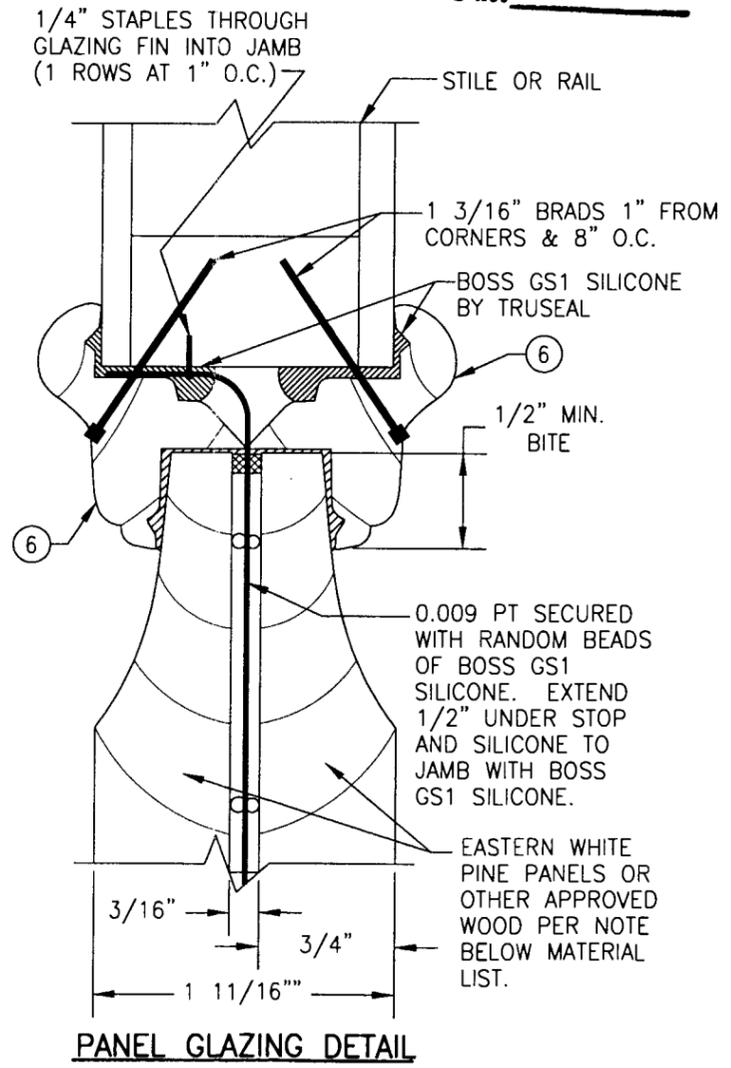
SILL CORNER DETAIL
SCALE: 1/4 FULL



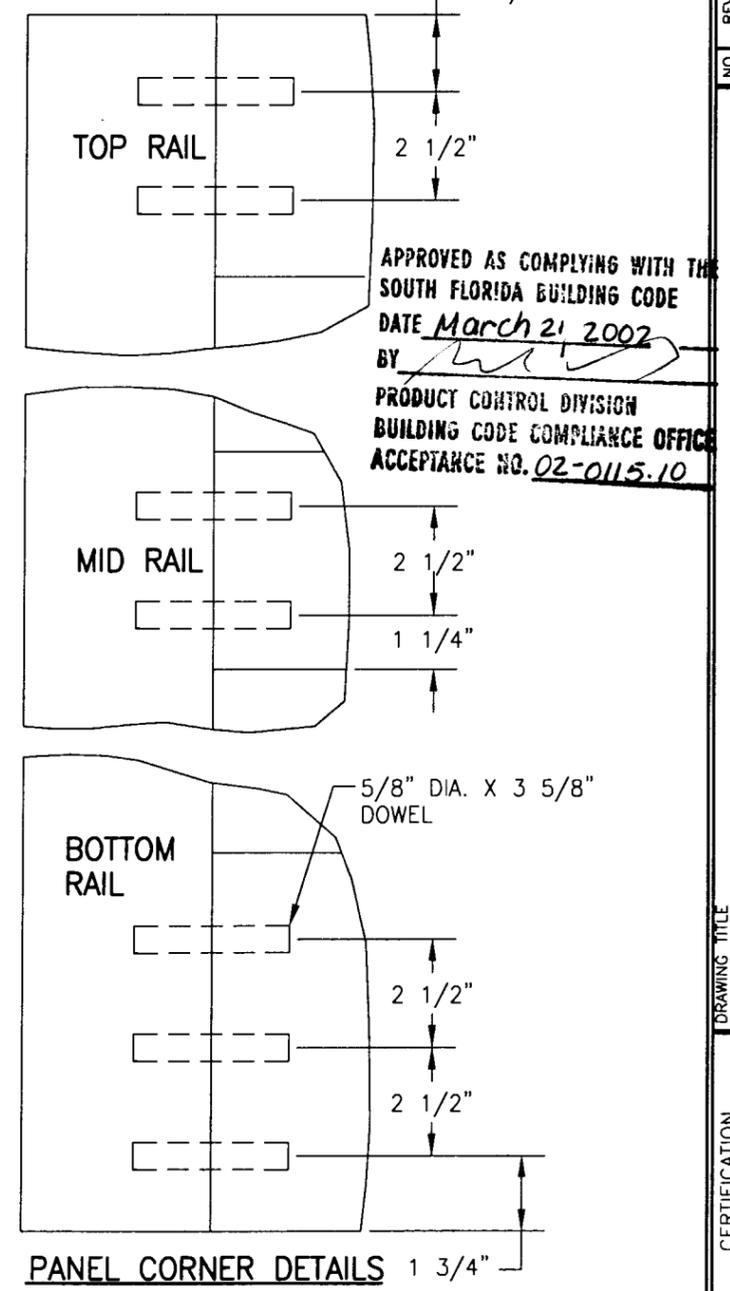
SECTION J
SCALE: 1/2 FULL



SECTION L
SCALE: 1/2 FULL



PANEL GLAZING DETAIL



PANEL CORNER DETAILS

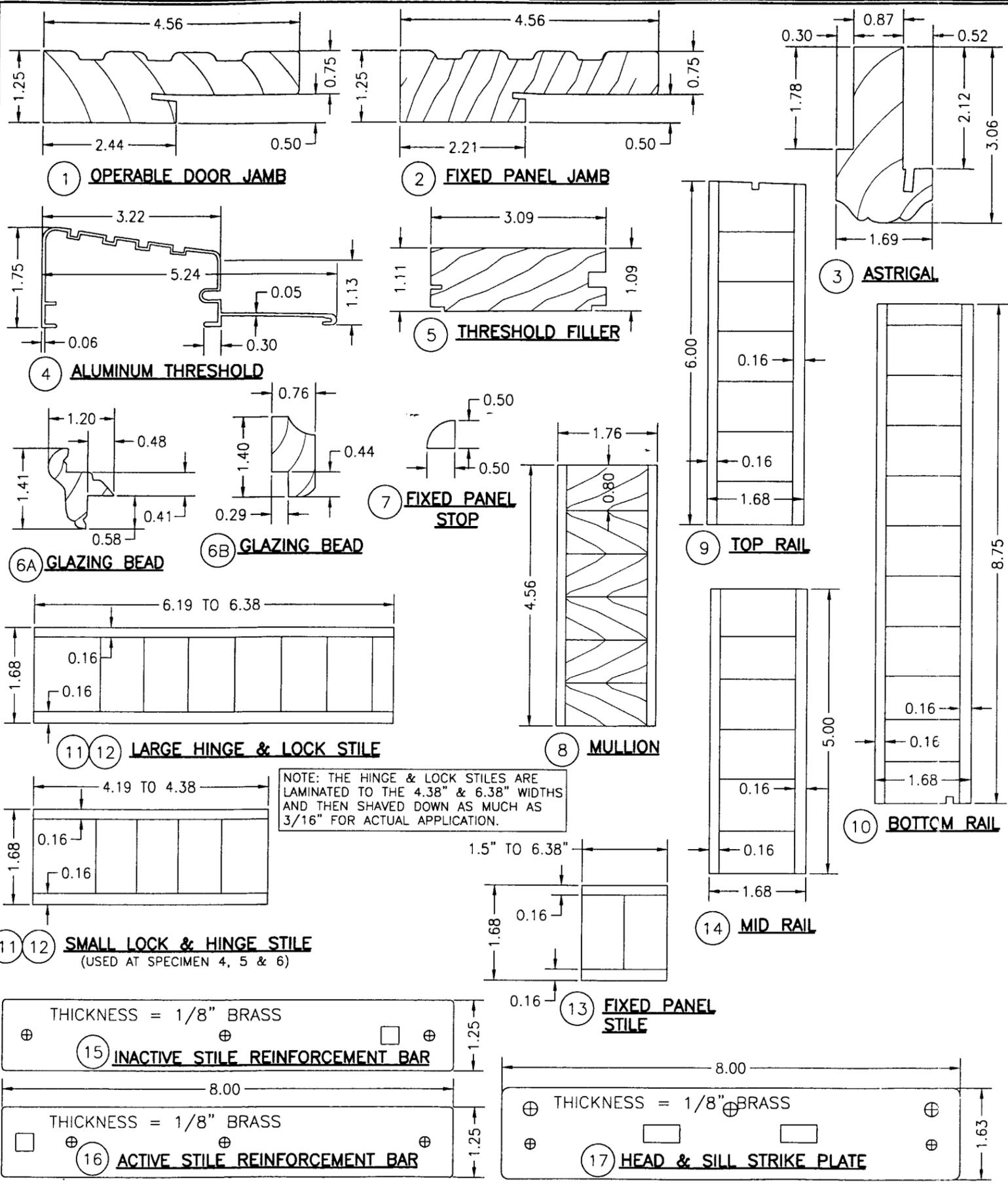
ALL DOWEL AND WOOD TO WOOD CONTACT SURFACES ARE FULLY GLUED WITH WOOD ADHESIVE BY JOWAT ADHESIVES.

SEE SHEET 4 FOR "OPTIONAL DIRECT MOUNT" INSTALLATION DETAILS.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE _____
BY _____
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. _____

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DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 10/02/01
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE IMPACT WOOD PANEL & FRENCH DOORS	
MANUFACTURER SIGNATURE DOOR, INC. 401 JUNIATA STREET ALTOONA, PA 16602 800-741-2265	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION DEC 28 2001 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1069	REV.
SHEET NO. 6 OF 7	



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	-	OPERABLE DOOR JAMB	* WOOD
2	-	FIXED PANEL JAMB	* WOOD
3	-	ASTRIGAL	* WOOD
4	-	ALUMINUM THRESHOLD	* 6063-T5 ALUMINUM
5	-	THRESHOLD FILLER	* WOOD
6A	-	TYP. GLAZING BEAD	* WOOD
6B	-	GLAZING BEAD AT CURVED RAILS	* WOOD
7	-	FIXED PANEL STOP	* WOOD
8	-	MULLION (6 SECTION LAMINATED)	LAMINATED RED OAK
9	-	TOP RAIL	LAMINATED RED OAK (PINE VENEER)
10	-	BOTTOM RAIL	LAMINATED RED OAK (PINE VENEER)
11	-	HINGE STILE	LAMINATED RED OAK (PINE VENEER)
12	-	LOCK STILE	LAMINATED RED OAK (PINE VENEER)
13	-	FIXED PANEL STILE	LAMINATED RED OAK (PINE VENEER)
14	-	MID RAIL	LAMINATED RED OAK (PINE VENEER)
15	-	INACTIVE STILE REINFORCEMENT BAR	BRASS OR S.S.
16	-	ACTIVE STILE REINFORCEMENT BAR	BRASS OR S.S.
17	-	HEAD & SILL STRIKE PLATE	BRASS OR S.S.
18	-	ASTRIGAL REINFORCEMENT BAR	STEEL; 1/4" X 1 1/2" X FULL LENGTH
SEALS & SEALANTS			
19	-	WEATHER SEAL	HOLM INDUSTRIES NO. JF87
HARDWARE			
20	-	4" X 4" BUTT HINGE	PENROD BRASS PLATED STEEL OR S.S.
21	-	4" X 4" BALL BEARING HINGE	PENROD BRASS, STEEL OR S.S.;
22	-	2-POINT INACTIVE PANEL LOCK SYS.	FUHR
23	-	5-POINT ACTIVE PANEL LOCK SYS.	FUHR
24	-	HANDLE	AS REQ'D TO FIT LOCK SYSTEM
MISCELLANEOUS FASTENERS			
25	-	NO. 10 X 3/4" SMS	2 PER HINGE LEAF INTO JAMB & PANEL
26	-	NO. 10 X 2" SMS	2 PER HINGE LEAF INTO PANEL
27	-	NO. 10 X 2" SMS (5 SETS)	(TOP, BOTTOM AND BETWEEN STRIKES)
28	-	NO. 10 X 2 1/2" SMS	SIDE STRIKE SCREWS

* 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.

ALLOWABLE DESIGN PRESSURE (WITH 3/8" LAMINATED ANNEALED GLASS)								
D.L.O. WIDTH	DESIGN LOAD CAPACITY (PSF)							
	POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
15"	65.0	80.0	65.0	80.0	65.0	80.0	65.0	77.5
17"	65.0	80.0	65.0	80.0	65.0	79.2	65.0	77.5
19"	65.0	72.4	65.0	72.0	65.0	70.3	65.0	68.7
21"	64.1	64.1	64.0	64.0	63.8	63.8	60.9	60.9
23"	54.6	54.6	53.6	53.6	52.5	52.5	51.6	51.6
25"	48.3	48.3	46.5	46.5	44.5	44.5	43.5	43.5
27"	43.8	43.8	42.5	42.5	39.9	39.9	38.4	38.4
D.L.O. HEIGHT	64"		67"		73"		79"	

ALLOWABLE DESIGN PRESSURE
(WITH 3/8" LAMINATED HEAT STR. GLASS)
+65/-80 PSF

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.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE March 21, 2002
BY [Signature]
PRODUCT CONTROL DIVISION
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ACCEPTANCE NO. 02-0115.10

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 10/02/01
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BY	
REVISION DESCRIPTION	
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IMPACT WOOD PANEL & FRENCH DOORS	
MANUFACTURER	
SIGNATURE DOOR, INC. 401 JUNIATA STREET ALTOONA, PA 16602 800-741-2265	
CONSULTANTS	
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DRAWING TITLE	
IMPACT WOOD PANEL & FRENCH DOORS	
CERTIFICATION	
DATE <u>03/21/2002</u>	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO.	REV.
1069	
SHEET NO.	
7	OF 7