



**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) 372-6339**

NOTICE OF ACCEPTANCE (NOA)

www.maimidade.gov/buildingcode

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

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Mahogany" 10' 0" W//E Inswing Opaque Wood French – L.M.I.

APPROVAL DOCUMENT: Drawing No. **1570B**, titled "Series 10 Foot In-Swing Impact Wood Paneled Doors", sheets 1 through 9 of 9, dated 03/22/08, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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 page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



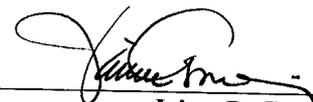
J Gascon
8/13/08

**NOA No. 08-0604.09
Expiration Date: September 04, 2013
Approval Date: September 04, 2008
Page 1**

Palm City Millwork, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS**
1. Manufacturer's die drawings and sections.
 2. Drawing No. **1570B**, titled "Series 10 Foot In-Swing Impact Wood Paneled Doors", sheets 1 through 9 of 9, dated 03/22/08, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P.E.
- B. TESTS**
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
Along with marked-up drawings and installation diagram of in/ out – swing french door system, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL 0067-1014-06**, dated 02/06/2008, signed and sealed by Vinu J. Abraham, P. E.
- C. CALCULATIONS**
1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 04/22/08, signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-98/02
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. None
- F. STATEMENTS**
1. Statement letter of conformance, independence and no financial interest, dated April 22, 2008, signed and sealed by Warren W. Schaefer, P.E.
 2. Laboratory compliance letter for Test Report no. **HTL 0067-1014-06**, issued by Hurricane Test Laboratory, LLC, dated February 02, 2008, signed and sealed by Vinu J. Abraham, P.E.
- G. OTHERS**
1. None



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 08-0604.09

Expiration Date: September 04, 2013
Approval Date: September 04, 2008

GENERAL NOTES:

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & 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 & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED WHEN USED IN CONJUNCTION WITH LOAD COMBINATIONS SPECIFIED IN SECTION 2.0 OF THE ASCE 7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

CORNER CONSTRUCTION

RECTANGULAR HEAD FRAME CORNERS: VERTICAL & HORIZONTAL MEMBERS ARE SQUARE CUT & BUTTED TOGETHER. THE VERTICAL MEMBERS ARE MECHANICALLY ATTACHED TO THE HEAD MEMBER USING FOUR(4) NO. 10 X 2 1/2" S.S. WOOD SCREWS, AND THEN SEALED USING DOW 1199 OR DOW 995 SEALANT.

EYEBROW HEAD FRAME CORNERS: VERTICAL & HORIZONTAL MEMBERS ARE MITERED, BUTTED TOGETHER AND GLUED WITH FRANKLIN WOOD GLUE. THE VERTICAL MEMBERS ARE MECHANICALLY ATTACHED TO THE HEAD MEMBER USING TWO(2) NO. 10 X 2 1/2" S.S. WOOD SCREWS. THE HEAD MEMBER IS MECHANICALLY ATTACHED TO THE VERTICAL MEMBERS USING THREE(3) NO. 10 X 2 1/2" S.S. WOOD SCREWS. A 20 GA. X 3 1/8" X 7" GALV. SIMPSON STRONG TIE STEEL PLATE IS CENTERED ON BOTH MEMBERS & MECHANICALLY ATTACHED WITH SIXTEEN(16) NO. 6 X 3/4" S.S. PAN HEAD WOOD SCREWS (8 SCREWS EACH SIDE OF JOINT). EACH CORNER IS SEALED USING DOW 1199 OR DOW 995 SEALANT.

HALF-ROUND HEAD FRAME CORNERS: VERTICAL & HORIZONTAL MEMBERS ARE SQUARE CUT, DADO CUT (1/4" X 1" DEEP), SPLINED AND GLUED TOGETHER WITH 1/4" X 4" X 2" PLYWOOD AND GLUED WITH FRANKLIN WOOD GLUE. A 20 GA. X 3 1/8" X 7" GALV. SIMPSON STRONG TIE STEEL PLATE IS CENTERED ON BOTH MEMBERS & MECHANICALLY ATTACHED WITH SIXTEEN(16) NO. 6 X 3/4" S.S. PAN HEAD WOOD SCREWS (8 SCREWS EACH SIDE OF JOINT). EACH CORNER IS SEALED USING DOW 1199 OR DOW 995 SEALANT.

SILL CORNERS: VERTICAL & HORIZONTAL MEMBERS ARE SQUARE CUT & BUTTED TOGETHER. THE VERTICAL MEMBERS ARE MECHANICALLY ATTACHED TO THE SILL SCREW SPINES USING THREE(3) NO. 8 X 2" S.S. WOOD SCREWS. EACH CORNER IS SEALED USING SASHCO SILICONE SEALANT.

RECTANGULAR & EYEBROW TOP RAIL/STILE CORNERS: MORTISED & TENONED (1/2" THICK X 1 7/8" DEEP X 3" TALL) AND GLUED WITH FRANKLIN INTERNATIONAL MULTIBOND-2000 WOOD GLUE.

HALF-ROUND TOP RAIL/STILE CORNERS: MORTISED & TENONED (1/2" THICK X 2 3/4" DEEP X 4" TALL) AND GLUED WITH FRANKLIN INTERNATIONAL MULTIBOND-2000 WOOD GLUE.

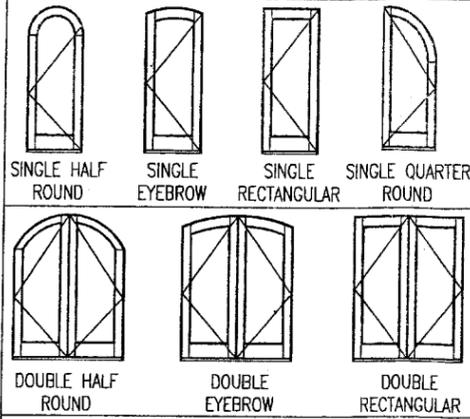
BOTTOM RAIL/STILE CORNERS: MORTISED & TENONED (1/2" THICK X 1 7/8" DEEP X 6 3/8" TALL) AND GLUED WITH FRANKLIN INTERNATIONAL MULTIBOND-2000 WOOD GLUE.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS & HEAD STRIKE SCREWS			
MIN. 2X4. WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	1"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
INSTALLATION CLIP SCREWS			
MIN. 2X4. WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	1/2"
MIN. 18 GA. 33 KSI METAL STUD	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 SELF TAP/DRILLING SCREW	FULL	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.).

SHAPES CONSIDERED AS PART OF THIS APPROVAL



- NOTES:**
1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE CORNER CONSTRUCTION AS DESCRIBED ON THIS SHEET.
 2. ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE RECTANGULAR UNIT.

LOCK NOTE: ELEVATIONS SHOW ACTIVE PANELS WITH MULTI-POINT LOCK SYSTEM. SINGLE LOCK & DEADBOLT SYSTEM WITH FLUSH BOLTS ALSO APPLIES TO ACTIVE PANELS PROVIDING REQUIRED DESIGN PRESSURE DOES NOT EXCEED +/- 55 PSF.

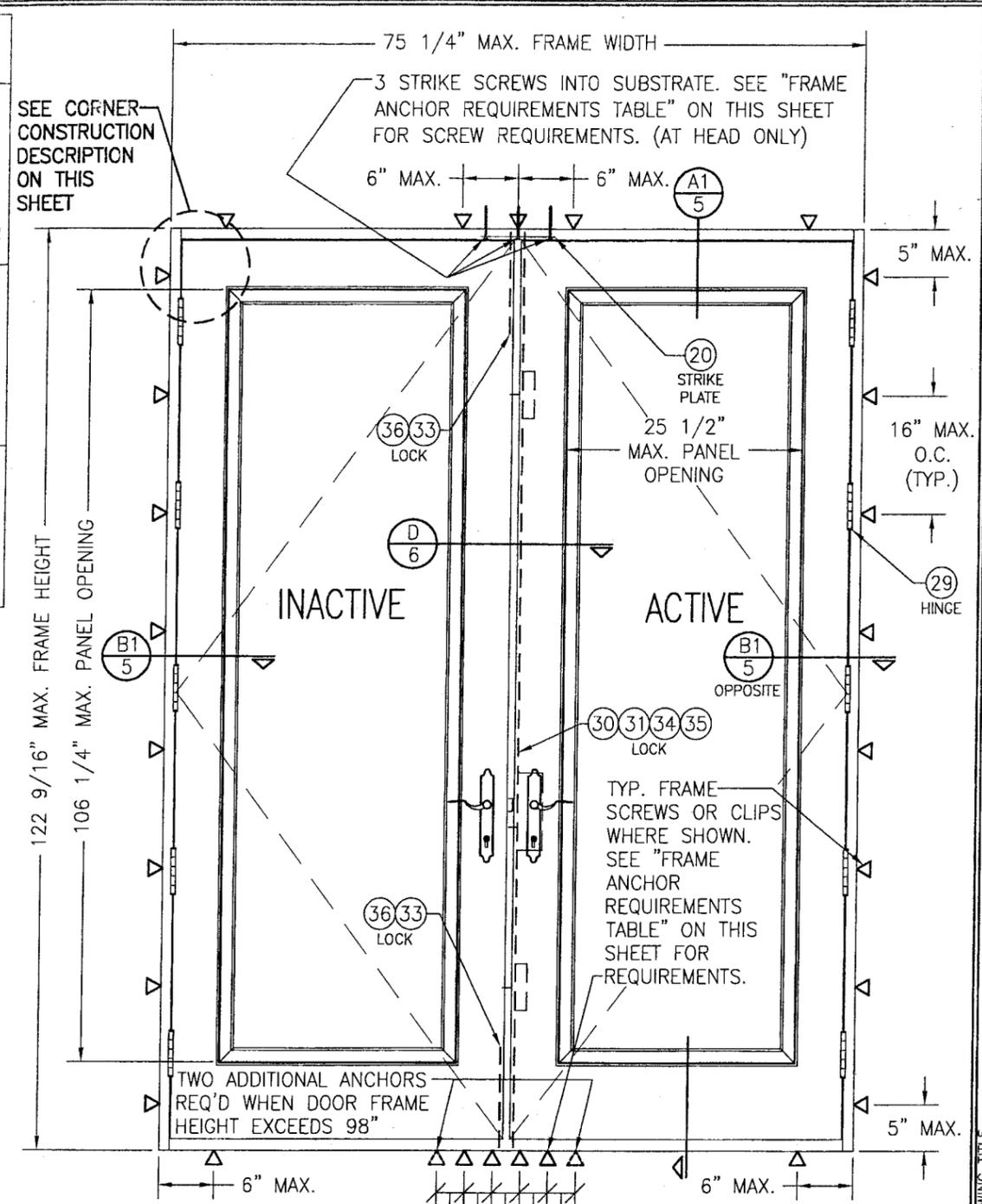
HINGE REQUIREMENTS

FRAME HEIGHT	MIN. # OF HINGES
ABOVE 98"	5
98" & BELOW	4

NOTE: FOR HINGE REQUIREMENTS, THE "MAX. FRAME HEIGHT" IS CONSIDERED TO BE FULL FRAME HEIGHT FOR RECTANGULAR UNITS OR DISTANCE FROM THE BASE OF FRAME TO FRAME SPRINGLINE FOR SHAPED UNITS

ALLOWABLE DESIGN PRESSURE

ACTIVE PANEL LOCK SYSTEM	INACTIVE PANEL LOCK SYSTEM	ALLOWABLE PRESSURE	
		POSITIVE	NEGATIVE
RECTANGULAR SINGLE & DOUBLE DOOR & SHAPED SINGLE & DOUBLE DOOR			
5 POINT MULTI-POINT	2 POINT MULTI-POINT	70 PSF	70 PSF
SHAPED SINGLE DOOR			
4 POINT MULTI-POINT	N/A	70 PSF	70 PSF
ALL DOOR CONDITIONS			
SINGLE LOCK & DEAD BOLT WITH FLUSH BOLT	CENTER ACTIVATED FLUSH BOLT	55 PSF	55 PSF



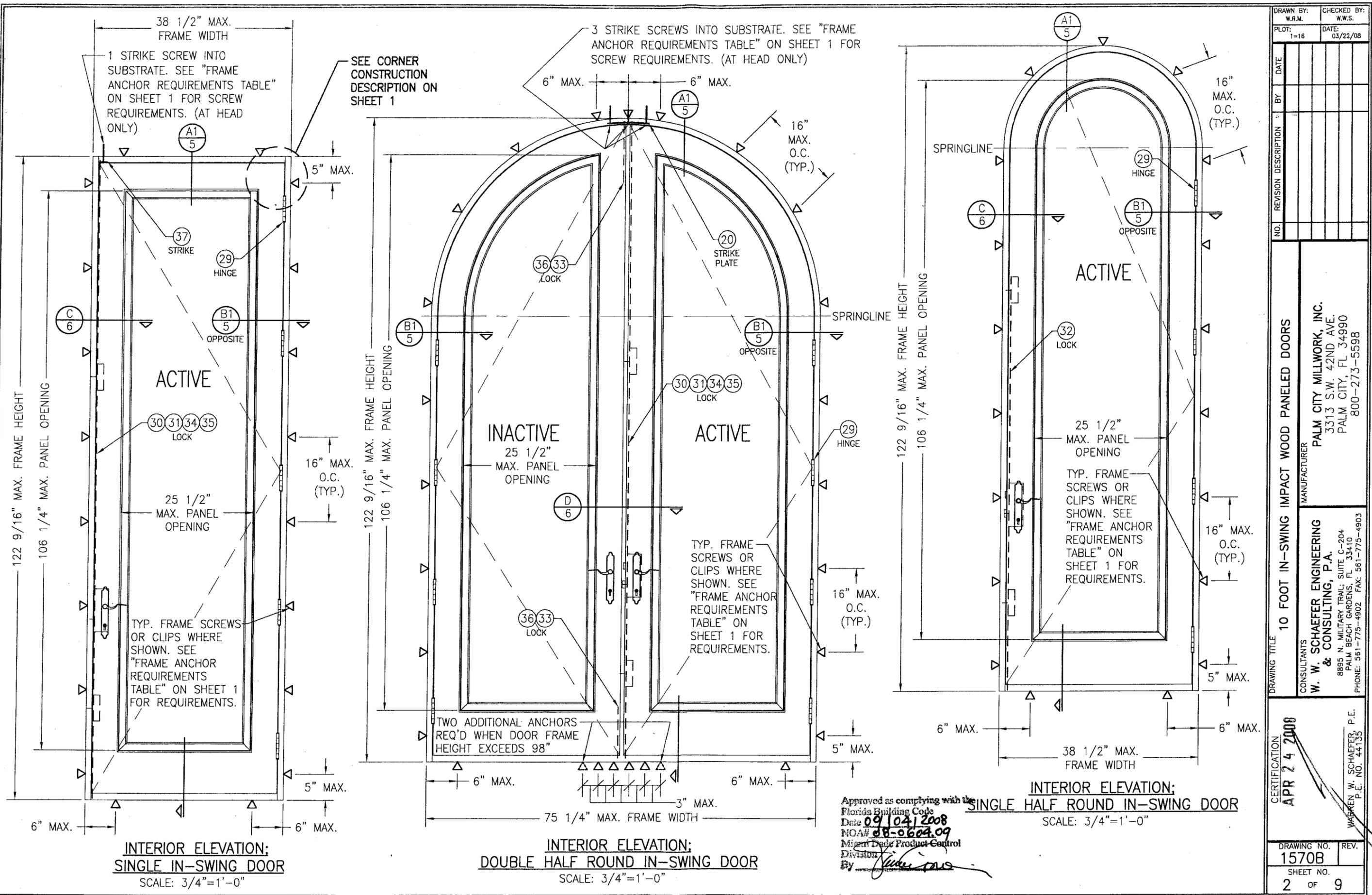
INTERIOR ELEVATION; DOUBLE IN-SWING DOOR

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

(* THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR. UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION, UNITS SHALL 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.

Approved as complying with the Florida Building Code
 Date: 09/04/2008
 NOAH 08-0604.09
 Miami Code Product Control Division
 By: *[Signature]*

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 03/22/08
DATE	BY
REVISION DESCRIPTION	NO.
10 FOOT IN-SWING IMPACT WOOD PANELED DOORS	
CONSULTANTS	MANUFACTURER
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	PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598
CERTIFICATION	APR 24 2008
DRAWING NO. 1570B	REV.
SHEET NO. 1	OF 9



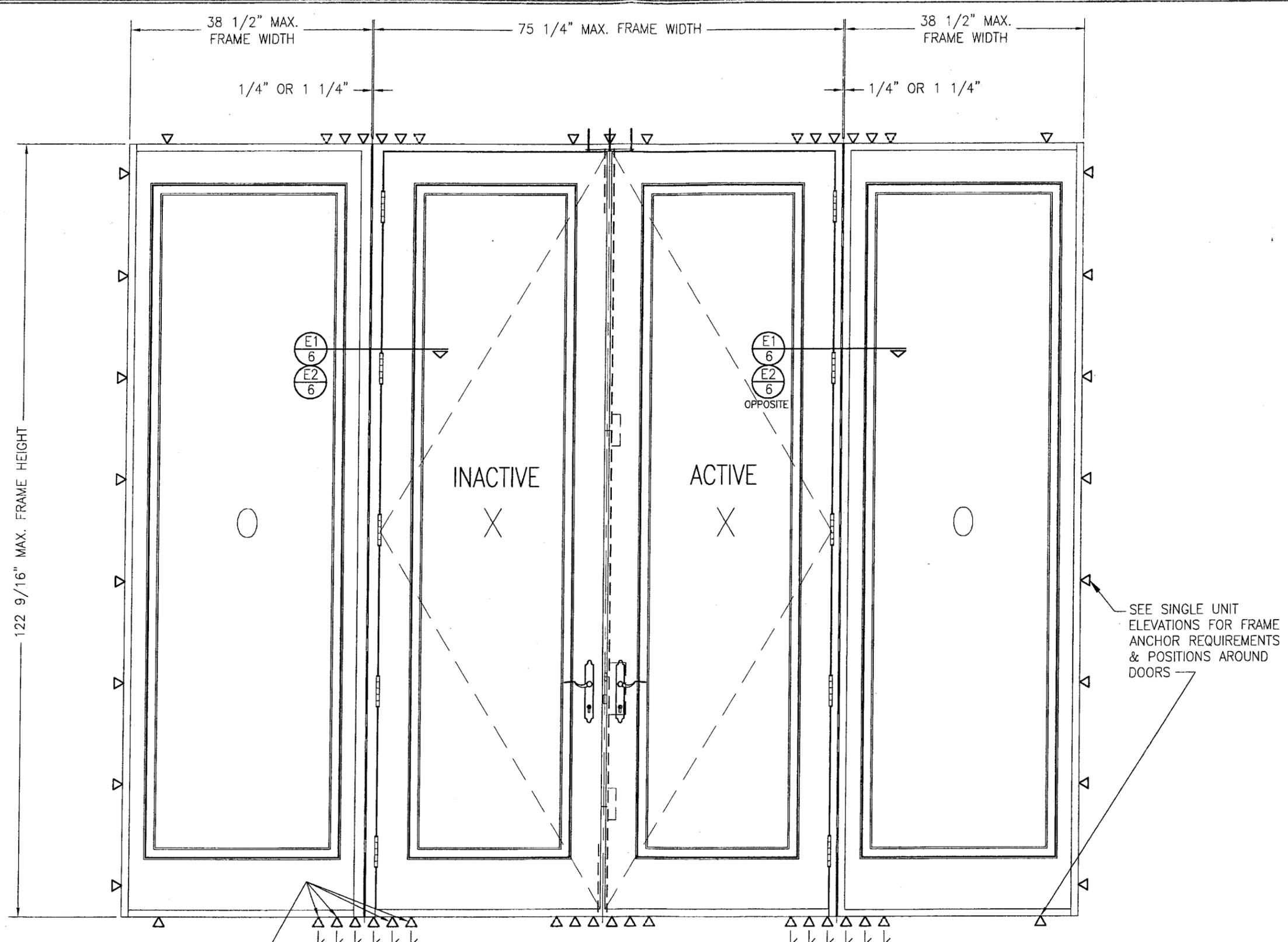
**INTERIOR ELEVATION:
SINGLE IN-SWING DOOR**
SCALE: 3/4"=1'-0"

**INTERIOR ELEVATION:
DOUBLE HALF ROUND IN-SWING DOOR**
SCALE: 3/4"=1'-0"

**INTERIOR ELEVATION:
SINGLE HALF ROUND IN-SWING DOOR**
SCALE: 3/4"=1'-0"

Approved as complying with the
Florida Building Code
Date 09/04/2008
NOA# 08-0604.09
Miami-Dade Product Control
Division
By *[Signature]*

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 03/22/08	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE 10 FOOT IN-SWING IMPACT WOOD PANELED DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER PALM CITY MILLWORK, INC.	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CERTIFICATION APR 24 2008			
DRAWING NO. 1570B		REV. 	
SHEET NO. 2 OF 9			



ADDITIONAL ANCHORS AT EACH MULLION-
END (1 ADDITIONAL EACH SIDE OF
MULLION WHEN DOOR FRAME HEIGHT IS
98" OR LESS; 2 ADDITIONAL EACH
SIDE WHEN DOOR FRAME HEIGHT
EXCEEDS 98")

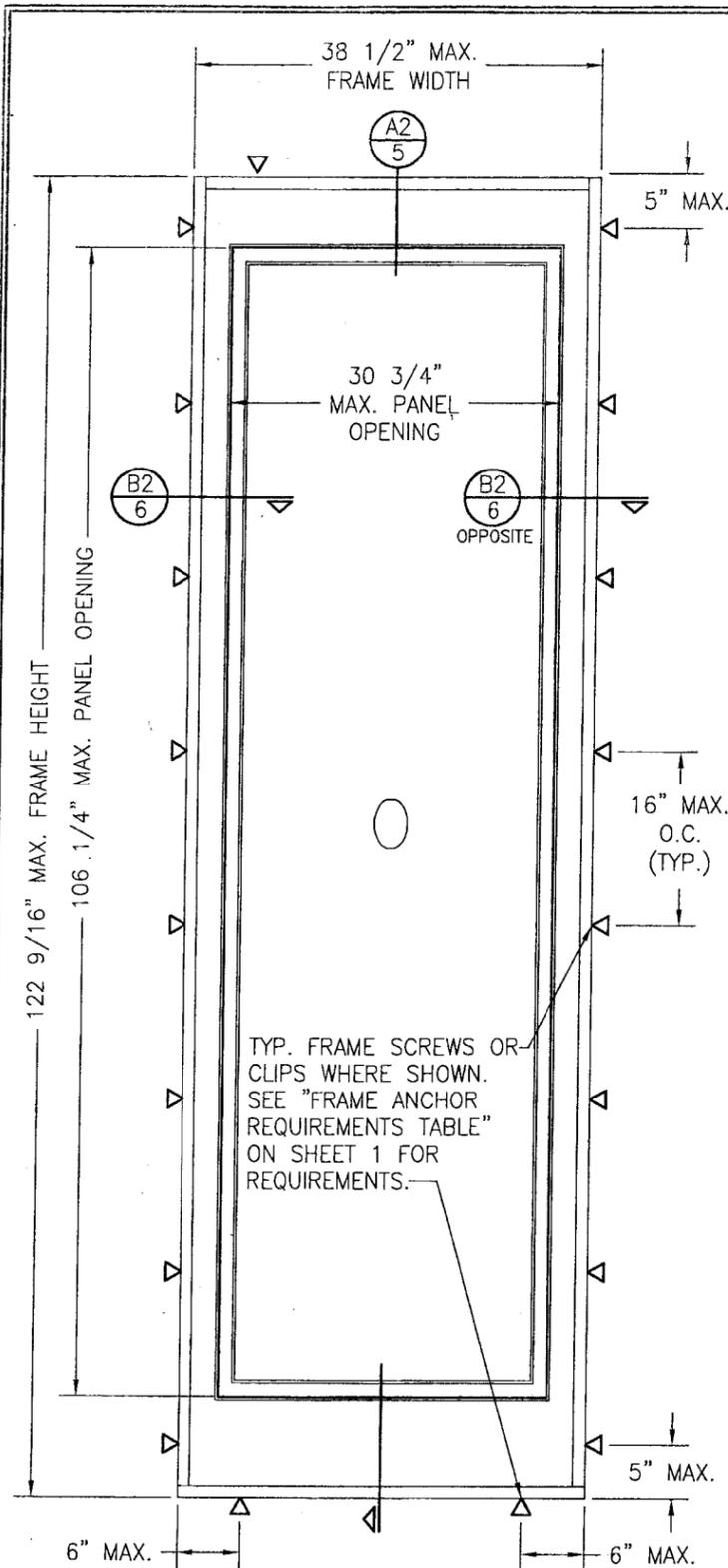
**INTERIOR ELEVATION:
DOUBLE IN-SWING DOOR WITH SIDELIGHTS**
SCALE: 3/4"=1'-0"

NOTE: OXDO DOOR SHOWN. ALL OTHER 4-PANEL CONFIGURATIONS
OF SINGLE/DOUBLE DOORS & SIDELIGHTS ALSO APPLY.
(FOR ALL DETAIL NOT SHOWN; SEE INDIVIDUAL UNIT ELEVATIONS)

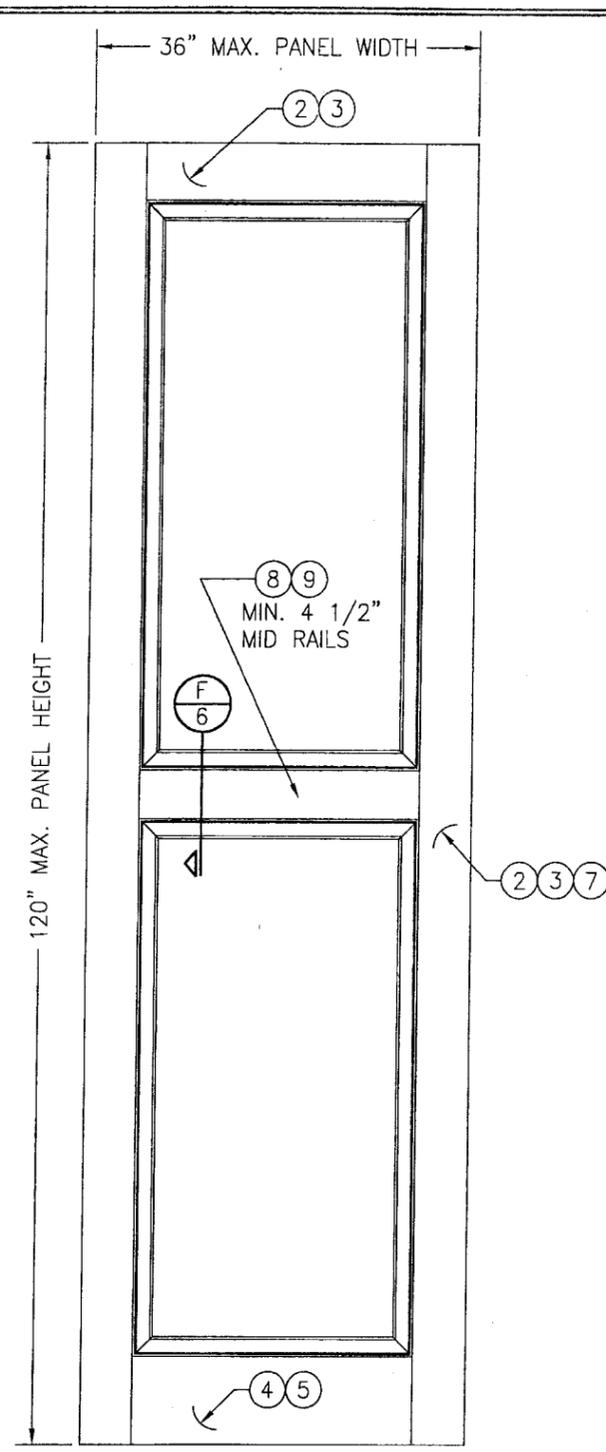
Approved as complying with the
Florida Building Code
Date 09/09/2008
NOA# 08-0604.09
Miami Trade Product Control
Division
By *[Signature]*

SEE SINGLE UNIT
ELEVATIONS FOR FRAME
ANCHOR REQUIREMENTS
& POSITIONS AROUND
DOORS

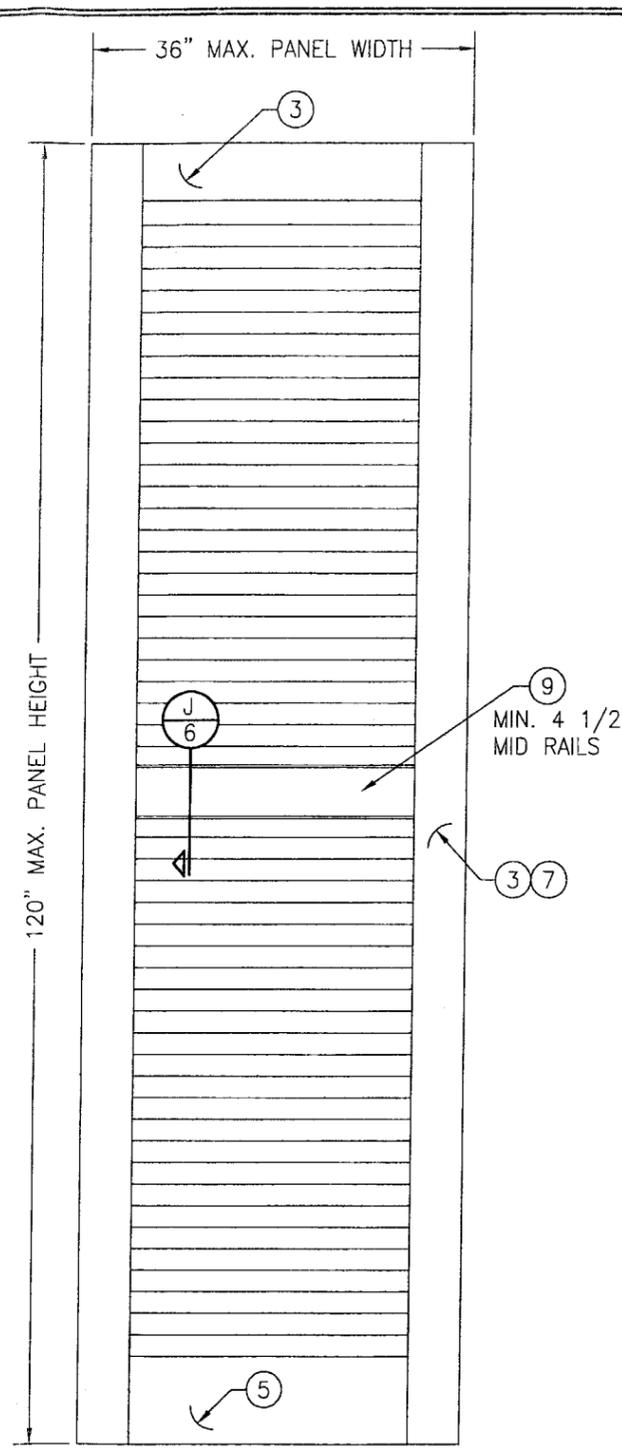
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PLOT: 1-16		DATE: 03/22/08	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE 10 FOOT IN-SWING IMPACT WOOD PANELED DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER PALM CITY MILLWORK, INC.	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CERTIFICATION APR 24 2008			
DRAWING NO. 1570B		REV. 	
SHEET NO. 3 OF 9			



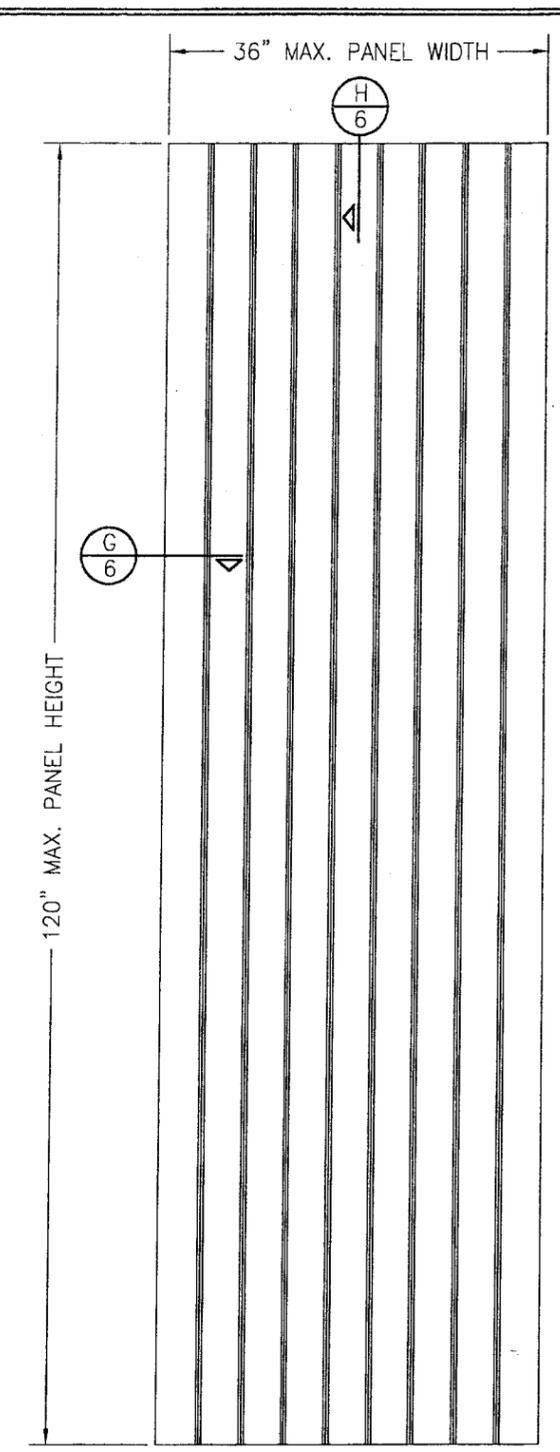
**INTERIOR ELEVATION:
SINGLE FIXED PANEL**
SCALE: 3/4"=1'-0"



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



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



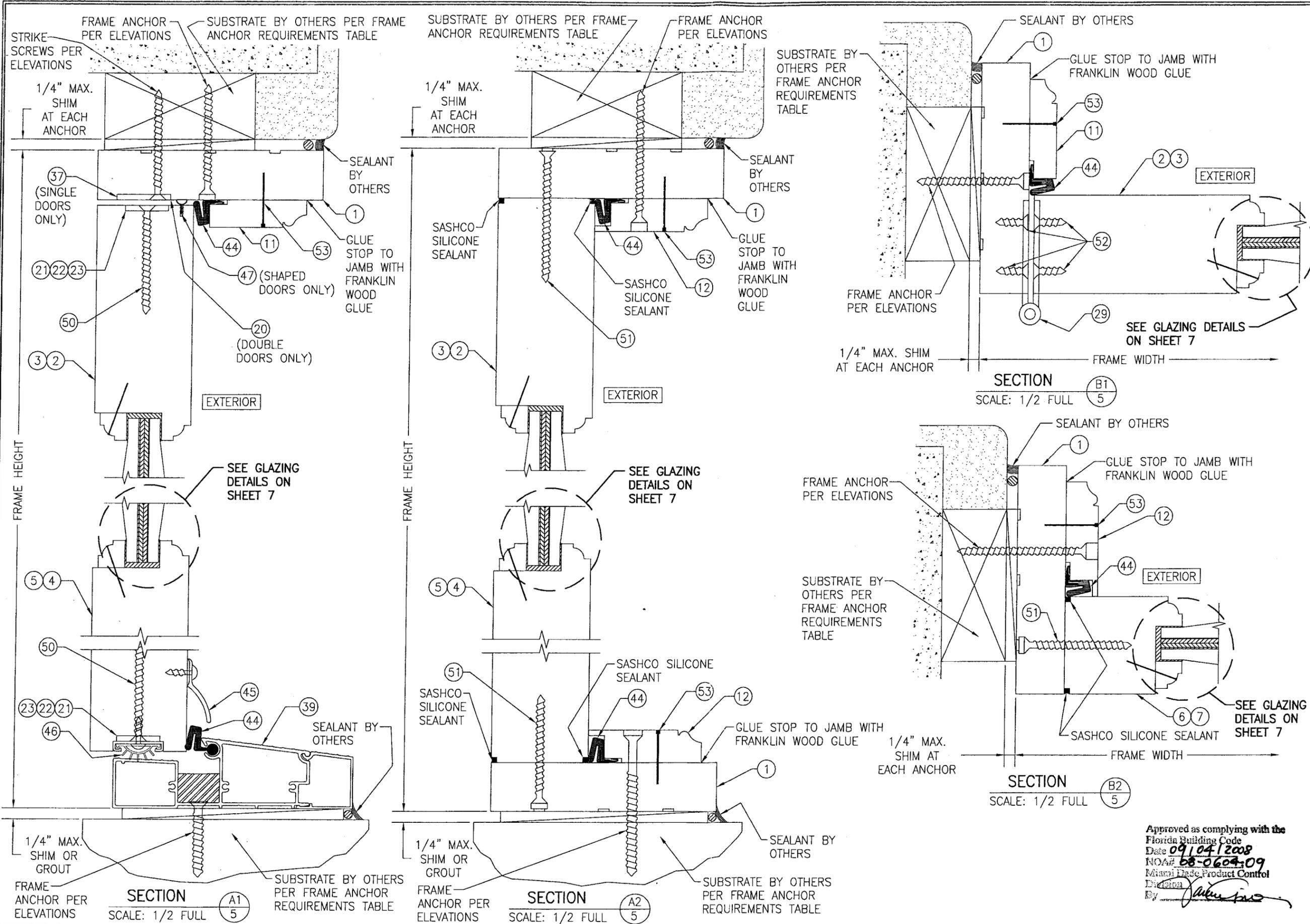
**INTERIOR ELEVATION:
TONGUE & GROOVE PANEL**
SCALE: 3/4"=1'-0"

PANEL NOTES

- 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) OTHER PANEL CONFIGURATIONS THAN THOSE SHOWN ARE APPLICABLE PROVIDING THEY ARE SIMILAR IN CONSTRUCTION TO THAT SHOWN ABOVE.
- 4) PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

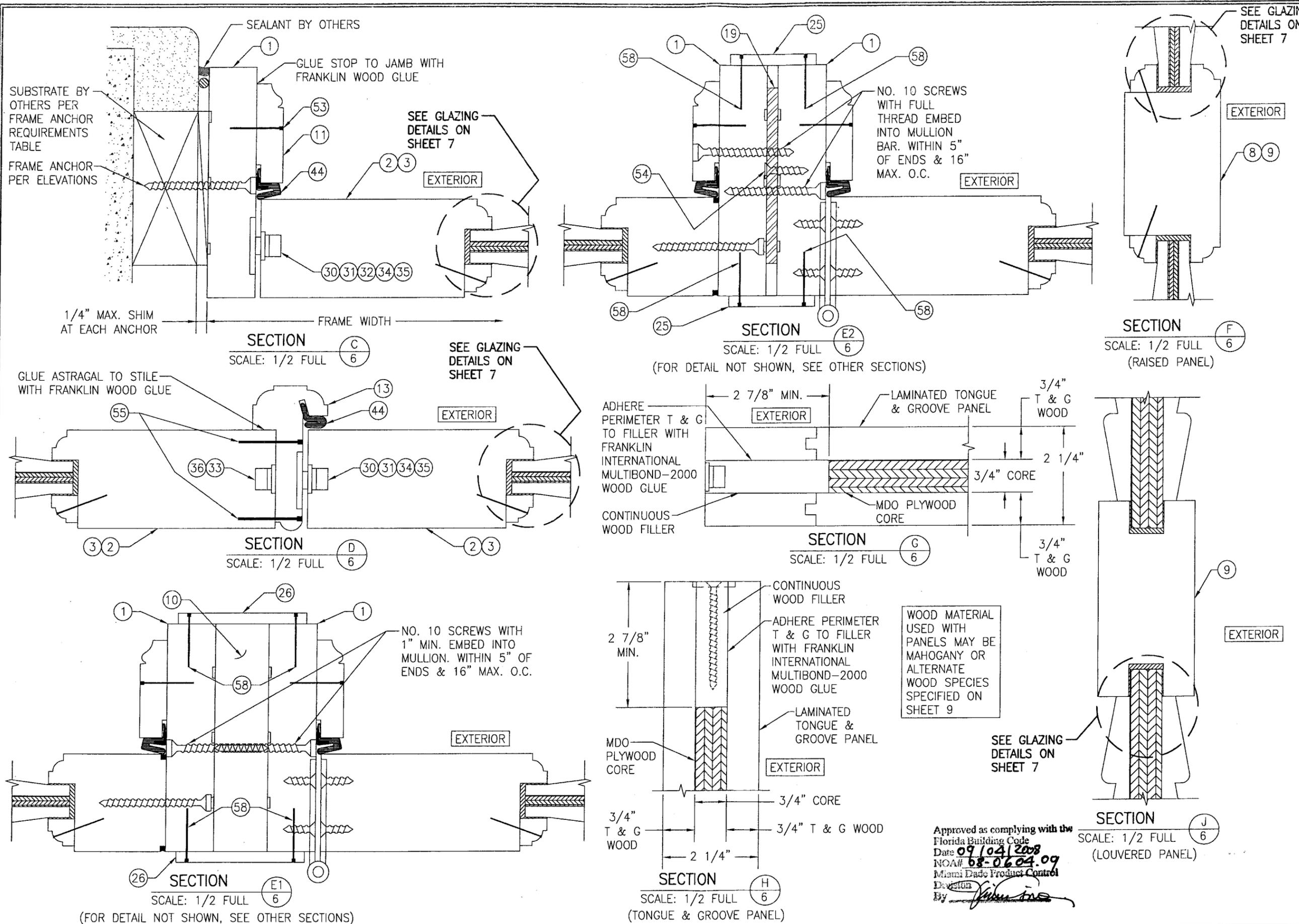
Approved as complying with the
Florida Building Code
Date 09/04/2008
NOA# 08-0604-09
Miami Dade Product Control
Division
By [Signature]

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.	PLOT: 1=16	DATE: 03/22/08
NO.	REVISION DESCRIPTION	BY	DATE
<p>10 FOOT IN-SWING IMPACT WOOD PANELED DOORS</p> <p>MANUFACTURER PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598</p> <p>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</p>			
CERTIFICATION	APR 24 2008	WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1570B	REV.	SHEET NO. 4	OF 9



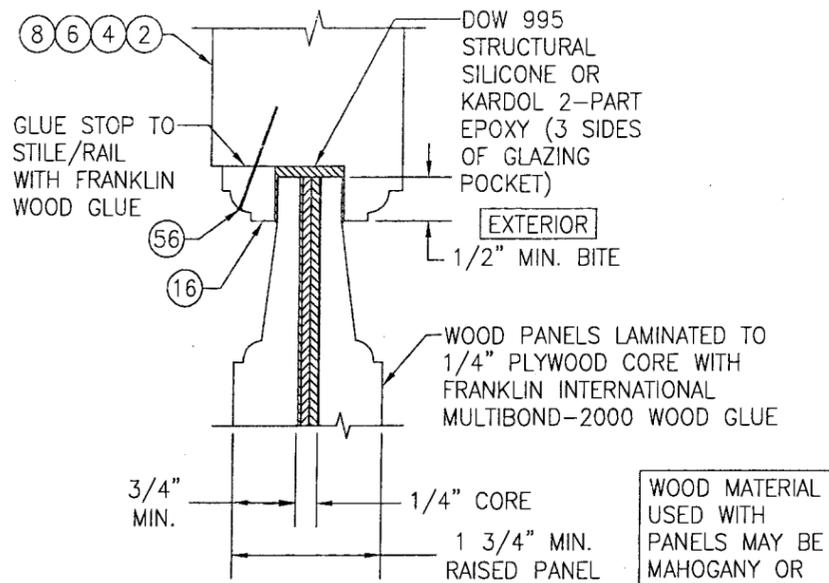
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/22/08	
DATE	BY	REVISION	DESCRIPTION
NO.			
10 FOOT IN-SWING IMPACT WOOD PANELED DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
DRAWING TITLE			
CERTIFICATION APR 24 2008			
DRAWING NO. 1570B			
SHEET NO. 5 OF 9			

Approved as complying with the Florida Building Code
 Date **09/04/2008**
 NOAH **68-0604-09**
 Miami Dade Product Control
 By *[Signature]*



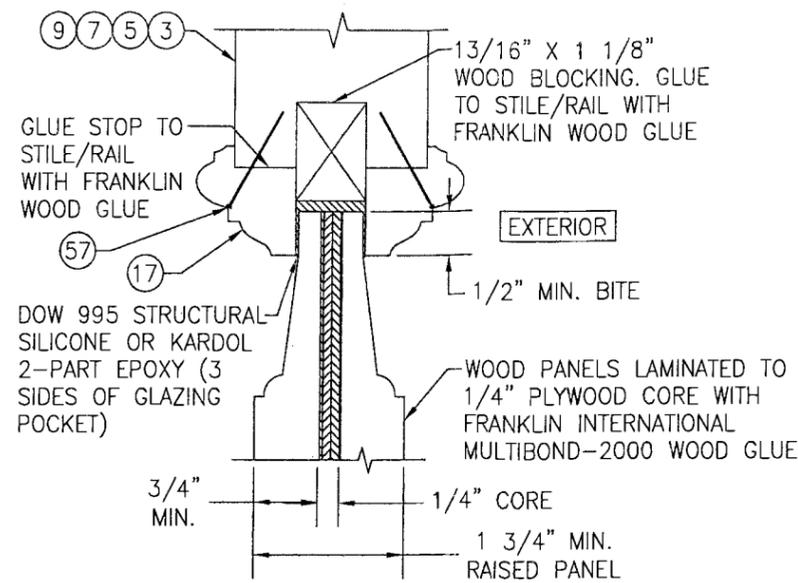
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/22/08	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 10 FOOT IN-SWING IMPACT WOOD PANELED DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: PALM CITY MILLWORK, INC.	
8885 N. MILITARY TRAIL, SUITE G-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4603		3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CERTIFICATION	APR 24 2008	WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1570B	REV.	SHEET NO. 6 OF 9	

Approved as complying with the Florida Building Code
 Date 09/04/2008
 NOA# 68-0604.09
 Miami Dade Product Control
 Division
 By *[Signature]*

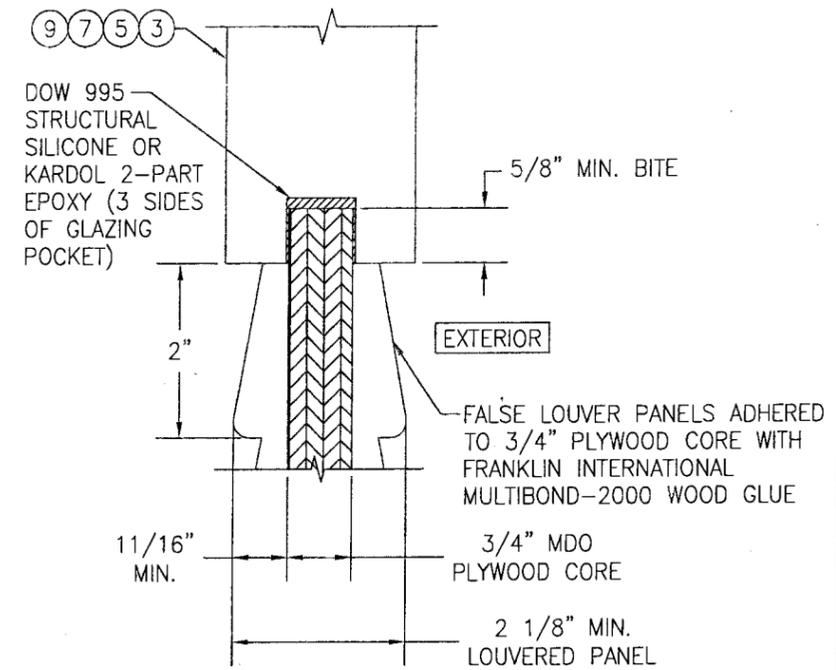


GLAZING DETAIL 1
(OVOLO STICKING METHOD)
SCALE: 1/2 FULL

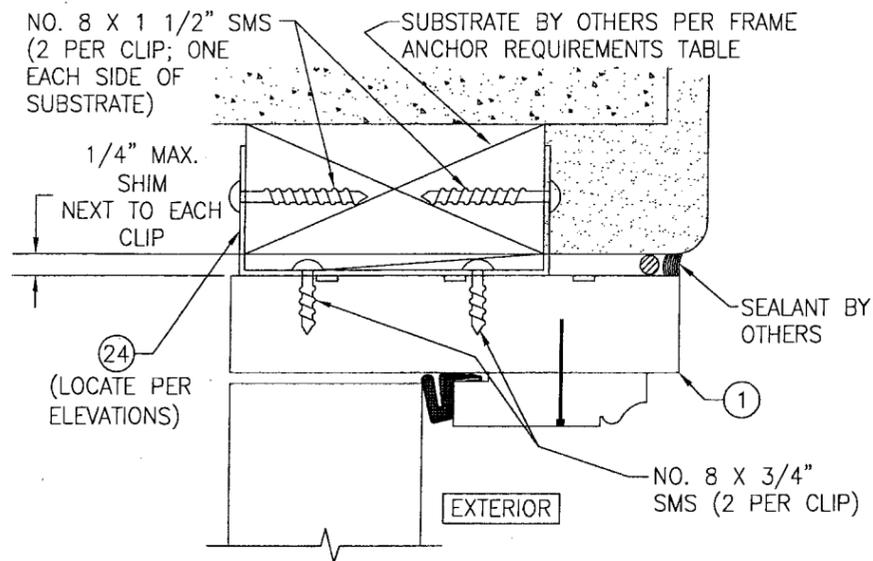
WOOD MATERIAL USED WITH PANELS MAY BE MAHOGANY OR ALTERNATE WOOD SPECIES SPECIFIED ON SHEET 9



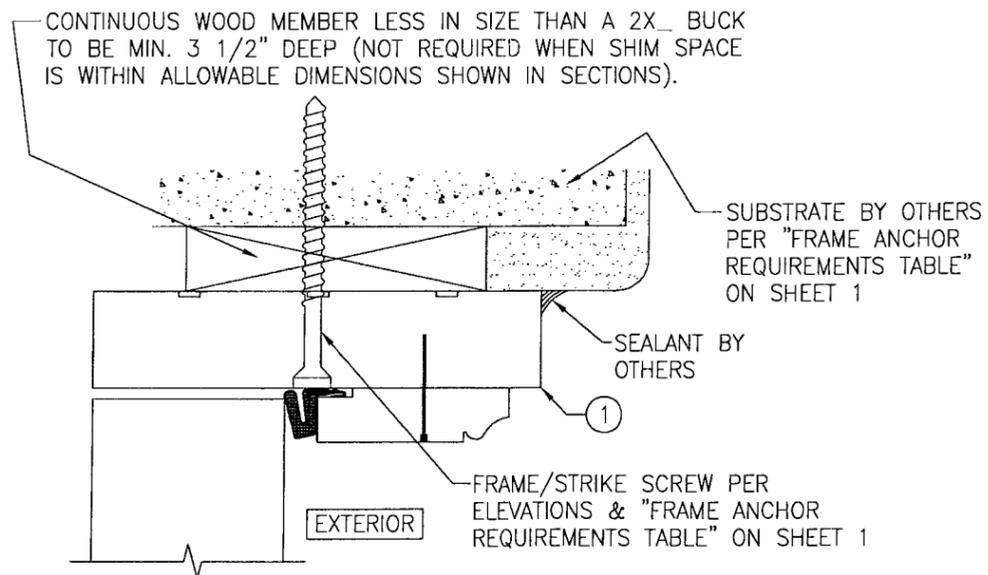
GLAZING DETAIL 2
(BOLECTION MOLDING METHOD)
SCALE: 1/2 FULL



GLAZING DETAIL 3
(LOUVERED PANEL)
SCALE: 1/2 FULL



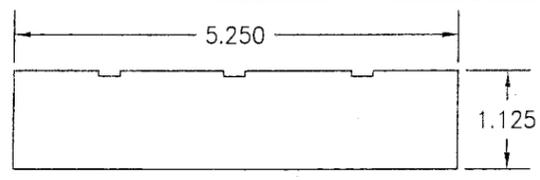
OPTIONAL CLIP MOUNT DETAIL
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS
(HEAD SECTION SHOWN, SIDES AND SILL SIMILAR)



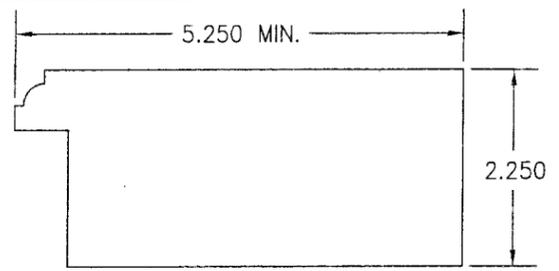
OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER
(HEAD SECTION SHOWN, SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 03/22/08
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 10 FOOT IN-SWING IMPACT WOOD PANELED DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER PALM CITY MILLWORK, INC.
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598
CERTIFICATION APR 24 2008	By WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1570B	REV.
SHEET NO. 7	OF 9

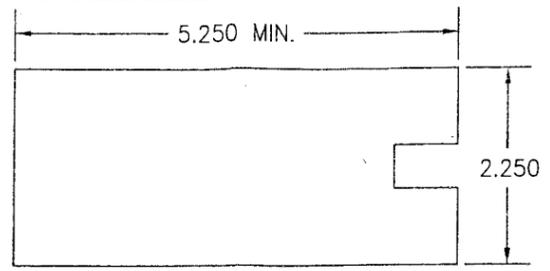
Approved as complying with the Florida Building Code
Date **09/04/2008**
NOA# **08-0609.09**
Mitred Gate Product Control
By *[Signature]*



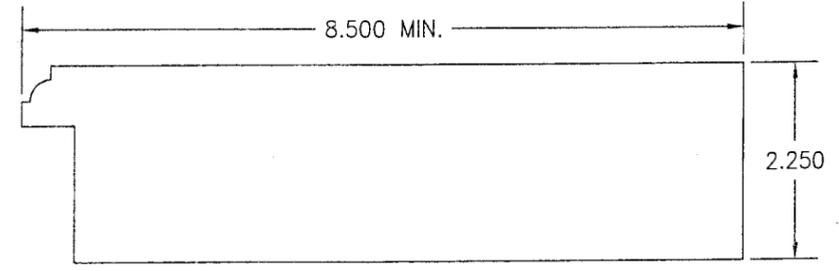
① JAMB



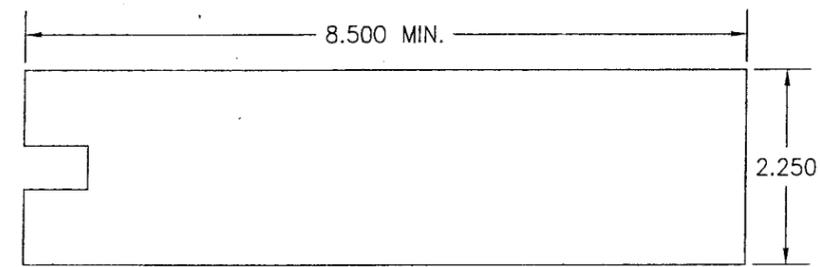
② TOP RAIL & STILES
(USED WITH OVOLO STICKING METHOD)



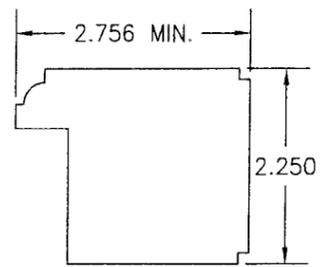
③ TOP RAIL & STILES
(USED WITH BOLECTION MOLDING METHOD)



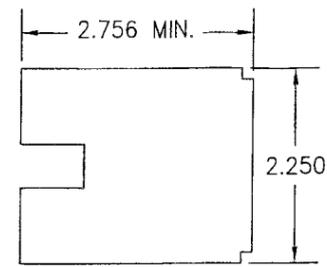
④ SILL RAIL
(USED WITH OVOLO STICKING METHOD)



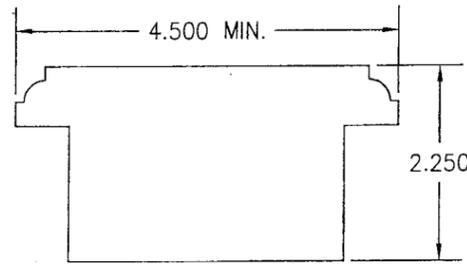
⑤ SILL RAIL
(USED WITH BOLECTION MOLDING METHOD)



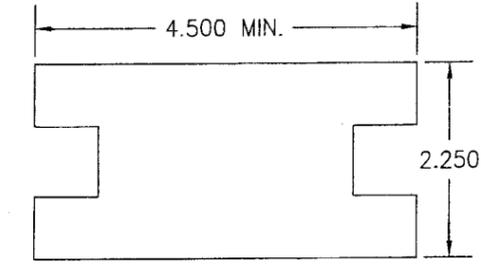
⑥ STILE (FIXED UNITS)
(USED WITH OVOLO STICKING METHOD)



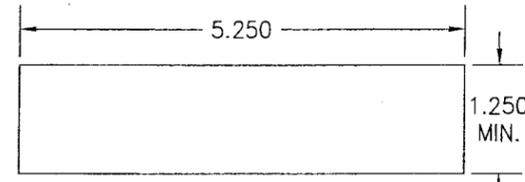
⑦ STILE (FIXED UNITS)
(USED WITH BOLECTION MOLDING METHOD)



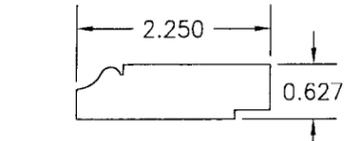
⑧ MID-RAIL
(USED WITH OVOLO STICKING METHOD)



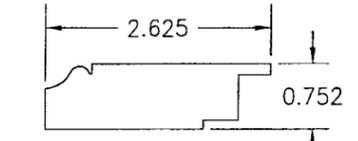
⑨ MID-RAIL
(USED WITH BOLECTION MOLDING METHOD)



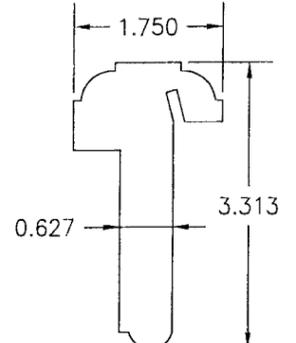
⑩ VERTICAL MULLION



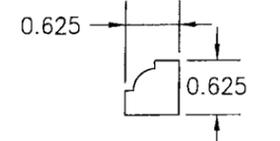
⑪ ACTIVE DOOR STOP



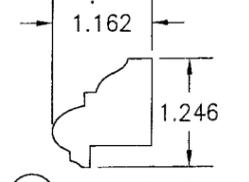
⑫ FIXED DOOR STOP



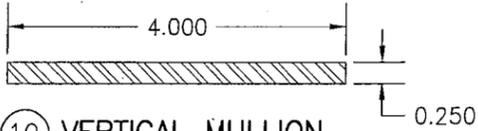
⑬ T-ASTRAGAL



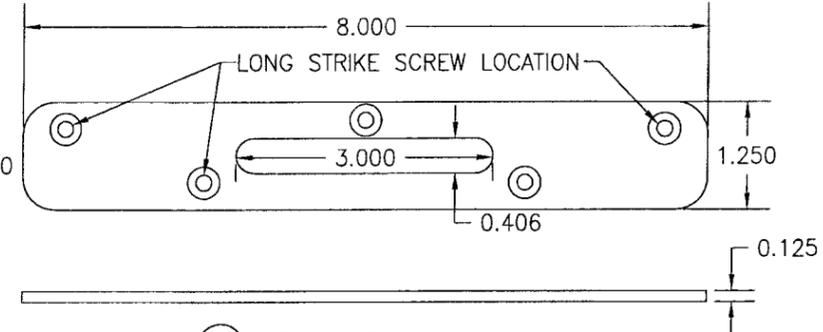
⑭ RAISED PANEL GLAZING STOP
(USED WITH OVOLO STICKING METHOD)



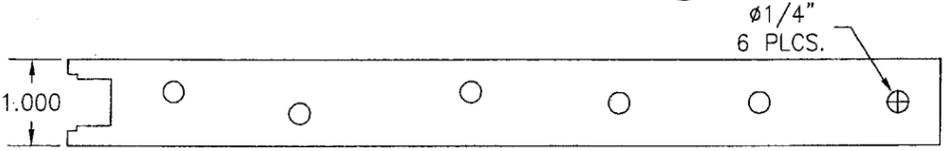
⑮ RAISED PANEL GLAZING STOP
(USED WITH BOLECTION MOLDING METHOD)



⑯ VERTICAL MULLION REINFORCEMENT



⑳ HEAD STRIKE PLATE



㉑ HEAD/SILL RAIL REINFORCEMENT PLATE
(DOUBLE DOOR - ACTIVE DOOR)
(REQ'D WITH HOPPE MULTIPOINT)

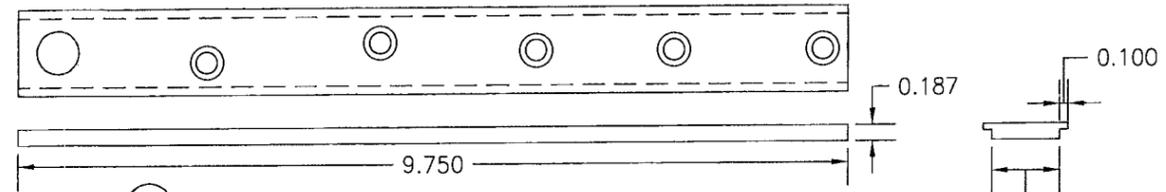
Approved as complying with the Florida Building Code
Date 09/04/2008
NOA# 08-0604.09
Miami Dade Product Control
By *[Signature]*

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/22/08	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE 10 FOOT IN-SWING IMPACT WOOD PANELED DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CERTIFICATION APR 24 2008 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1570B	
SHEET NO. 8 OF 9		REV.	

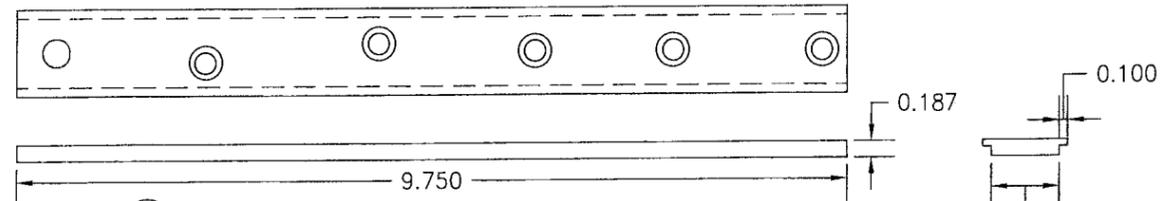
ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	JAMB	* WOOD
2	TOP RAIL & STILES	* WOOD (USED WITH OVOLO STICKING METHOD)
3	TOP RAIL & STILES	* WOOD (USED WITH BOLECTION MOLDING METHOD)
4	SILL RAIL	* WOOD (USED WITH OVOLO STICKING METHOD)
5	SILL RAIL	* WOOD (USED WITH BOLECTION MOLDING METHOD)
6	STILE (FIXED UNITS)	* WOOD (USED WITH OVOLO STICKING METHOD)
7	STILE (FIXED UNITS)	* WOOD (USED WITH BOLECTION MOLDING METHOD)
8	MID-RAIL	* WOOD (USED WITH OVOLO STICKING METHOD)
9	MID-RAIL	* WOOD (USED WITH BOLECTION MOLDING METHOD)
10	VERTICAL MULLION	CONTINUOUS 1 1/4" * WOOD
11	ACTIVE DOOR STOP	* WOOD
12	FIXED DOOR STOP	* WOOD
13	T-ASTRAGAL	* WOOD
16	RAISED PANEL GLAZING STOP	* WOOD (USED WITH OVOLO STICKING METHOD)
17	RAISED PANEL GLAZING STOP	* WOOD (USED WITH BOLECTION MOLDING METHOD)
19	VERTICAL MULLION REINFORCEMENT	CONTINUOUS 1/4" X 4" A36 STEEL
20	HEAD STRIKE PLATE	6063-T5 ALUMINUM (DOUBLE DOOR ONLY)
21	HEAD/SILL RAIL REINFORCEMENT PLATE	304 S.S. REQ'D WITH HOPPE MULTIPOINT
22	HEAD/SILL RAIL REINFORCEMENT PLATE	304 S.S. REQ'D WITH KFV MULTIPOINT
23	HEAD/SILL RAIL REINFORCEMENT PLATE	304 S.S. REQ'D WITH ASHLEY NORTON DEADBOLT
24	INSTALLATION CLIP	MIN. 33 KSI GALVANIZED STEEL
25	MULLION COVER	* WOOD
26	MULLION COVER	* WOOD
HARDWARE		
29	HINGE 5"x5"	BY: HAGER #1191/#1279 BRASS, S.S. OR PLATED STEEL
30	5-POINT LOCK HARDWARE	BY: KFV #AS7370
31	5-POINT LOCK HARDWARE	BY: HOPPE HLS 9000
32	4-POINT LOCK HARDWARE	BY: KFV #AS7370
33	2-POINT LOCK HARDWARE	BY: HOPPE HLS 9000
34	SINGLE LOCK & DEAD BOLT (MAY ONLY BE USED IN COMBINATION WITH ITEM #35)	BY: ASHLEY NORTON
35	FLUSH BOLT	BY: HAGER #282
36	CENTER ACTIVATED FLUSH BOLT	BY: HOPPE #878
37	SHOOT-BOLT THIMBLE	BY: GU #934442-00-0-0 BRASS
39	STANDARD THRESHOLD	BY: SCHLEGEL #2200
SEALS AND SEALANTS		
44	WEATHER STRIP	BY: SCHLEGEL #A-12000
45	DOOR BOTTOOM SEAL	BY: PEMKO #345
46	DOOR SHOE	BY: PEMKO #234
47	WEATHER STRIP	BY: RESOURCE CONSERVATION TECH #WS10

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
FASTENERS		
50	NO. 10 X 2 1/2" FH S.S. SMS	6 PER REINFORCEMENT PLATE
51	NO. 10 X 2 1/2" FH S.S. SMS	WITHIN 5" FROM ENDS & 16" MAX. O.C.
52	NO. 12 X 1 1/8" FH S.S. WOOD SCREW	4-PER HINGE INTO STILE & 4-PER HINGE INTO JAMB
53	15 GA. X 1 1/2" FINISH NAIL	WITHIN 5" OF ENDS & 12" MAX. O.C.
54	NO. 8 X 1" FH S.S. WOOD SCREW	AS REQ'D TO SET MULLION REINFORCEMENT
55	15 GA. X 1 1/2" FINISH NAIL	WITHIN 5" OF ENDS & 12" MAX. O.C. (2 ROWS)
56	18 GA. X 1 1/4" BRAD NAIL	WITHIN 2" OF ENDS & 5" MAX. O.C.
57	15 GA. X 1 1/4" FINISH NAIL	WITHIN 2" OF ENDS & 12" MAX. O.C.
58	18 GA. X 1 1/4" BRAD NAIL	WITHIN 2" OF ENDS & 12" MAX. O.C.

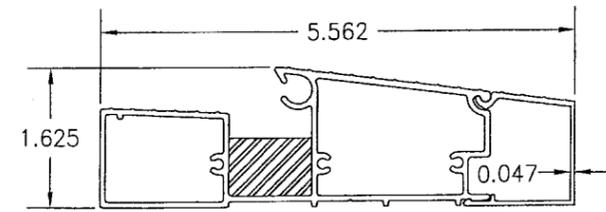
* ALL WOOD USED WITH TESTED UNITS IS MIN. GRADE 2 MAHOGANY. ALTERNATE WOOD SPECIES TO MAHOGANY ARE MIN. GRADE 2 RED OAK, HICKORY, BIRCH, DOUGLAS FIR, RED MAPLE AND REDWOOD.
 NOTE: ALL WOOD IS RECEIVED BY PALM CITY MILLWORK AS GRADE 2, BUT IS MACHINED BY PALM CITY TO A SELECT GRADE USE.



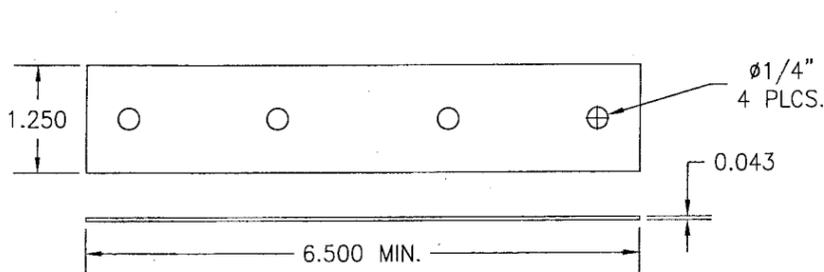
22 HEAD/SILL RAIL REINFORCEMENT PLATE
 (DOUBLE DOOR - ACTIVE DOOR)
 (REQ'D WITH KFV MULTIPOINT)



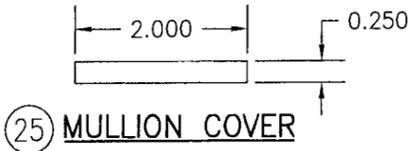
23 HEAD/SILL RAIL REINFORCEMENT PLATE
 (DOUBLE DOOR - INACTIVE DOOR)



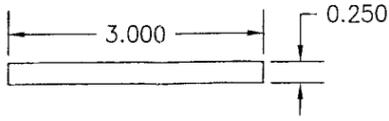
39 STANDARD THRESHOLD



24 INSTALLATION CLIP



25 MULLION COVER



26 MULLION COVER

Approved as complying with the Florida Building Code
 Date 09/04/2008
 NOA# 08-0604.09
 Miami Dade Product Control
 Division
 By *[Signature]*

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 03/22/08
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BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 10 FOOT IN-SWING IMPACT WOOD PANELED DOORS	
MANUFACTURER PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
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CERTIFICATION APR 24 2008 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1570B	REV.
SHEET NO. 9	OF 9