

GENERAL NOTES:

1. THIS PRODUCT HAS 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. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ) & IS LARGE MISSILE IMPACT RATED.
5. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
6. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
7. 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 PER THE ASCE-7 STANDARD.
8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
9. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. THESE DRAWINGS SHOW ALL APPLICABLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS CONDITIONS AS DETERMINED THROUGH TESTING & ENGINEERING RATIONAL ANALYSIS. PRODUCT ASSEMBLY SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
10. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF IT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT.
11. ALL WOOD MEMBERS OF THIS PRODUCT THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE BE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC REQUIREMENTS.

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), SPRUNGED 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.

STANDARD SILL CORNERS (NON-ADA): VERTICAL & HORIZONTAL MEMBERS ARE SQUARE CUT & BUTTED TOGETHER. THE VERTICAL MEMBERS ARE MECHANICALLY ATTACHED TO THE SILL USING TWO(2) NO. 10 X 2 1/2" S.S. WOOD SCREWS. EACH CORNER IS SEALED USING SASHCO SILICONE SEALANT.

ADA SILL CORNERS: VERTICAL & HORIZONTAL MEMBERS ARE SQUARE CUT & BUTTED TOGETHER AND SEALED USING SASHCO SILICONE SEALANT.

RECTANGULAR & EYEBROW TOP RAIL/STYLE 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/STYLE 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/STYLE 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.

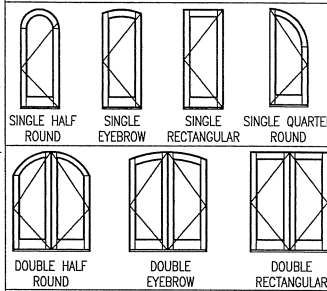
EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE EVALUATION ENGINEER OF RECORD THAT EVERYTHING SPECIFIED HERE-IN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.

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"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
(2) MIN. C-90 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 3/4"	2"
INSTALLATION CLIP SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 18 GA. 33 KSI METAL STUD	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

- (1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S. OR S.S.).
- (2) CMU SUBSTRATE IS NOT APPLICABLE AT HEAD & SILL.

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.

HINGE REQUIREMENTS

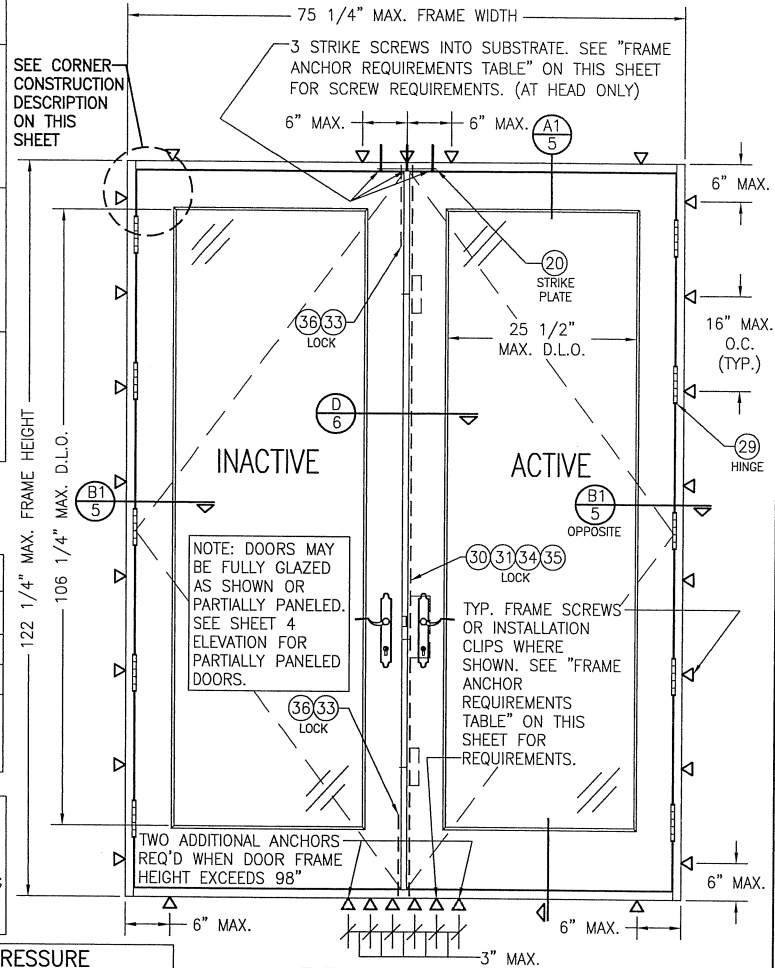
FRAME HEIGHT	MIN. # OF HINGES
ABOVE 98 1/4"	5
98 1/4" & BELOW	4

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

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.

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



EXTERIOR ELEVATION: DOUBLE OUT-SWING DOOR

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

NOTE: WHEN ADA SILL IS USED, THESE DOOR UNITS 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 WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC.

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
DATE: 11/13/12	DATE: 03/22/08
BY: DATE	BY: DATE
REVISION DESCRIPTION	REVISION DESCRIPTION
NO. 1	NO. 1
UPDATE TO CURRENT STANDARDS	UPDATE TO CURRENT STANDARDS
DATE	DATE

10 FOOT WOOD OUT-SWING IMPACT FRENCH DOORS

MANUFACTURER
PALM CITY MILLWORK, INC.
3313 S.W. 42ND AVE.
PALM CITY, FL 34990
800-273-5598

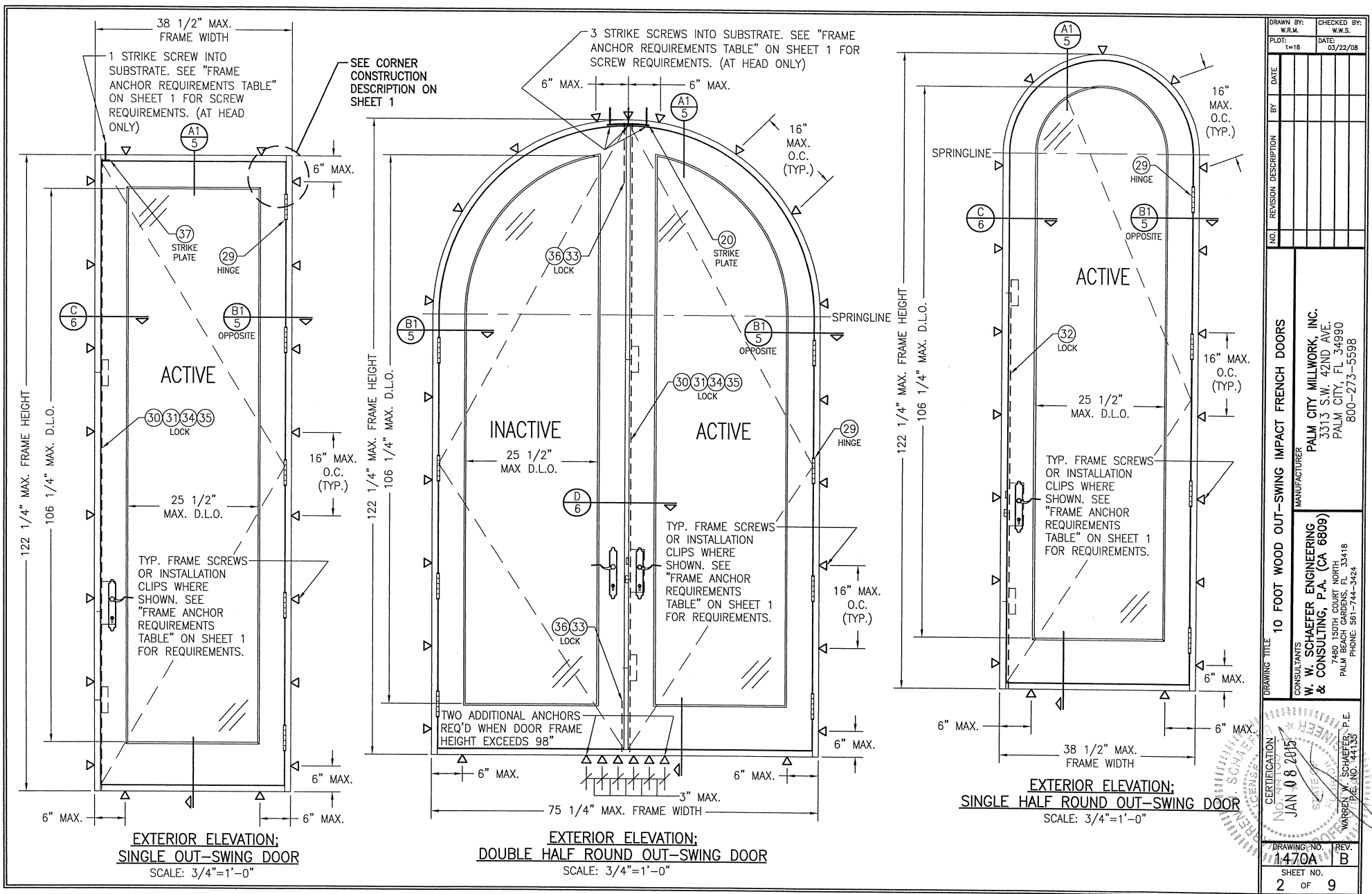
CONSULTANTS
W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

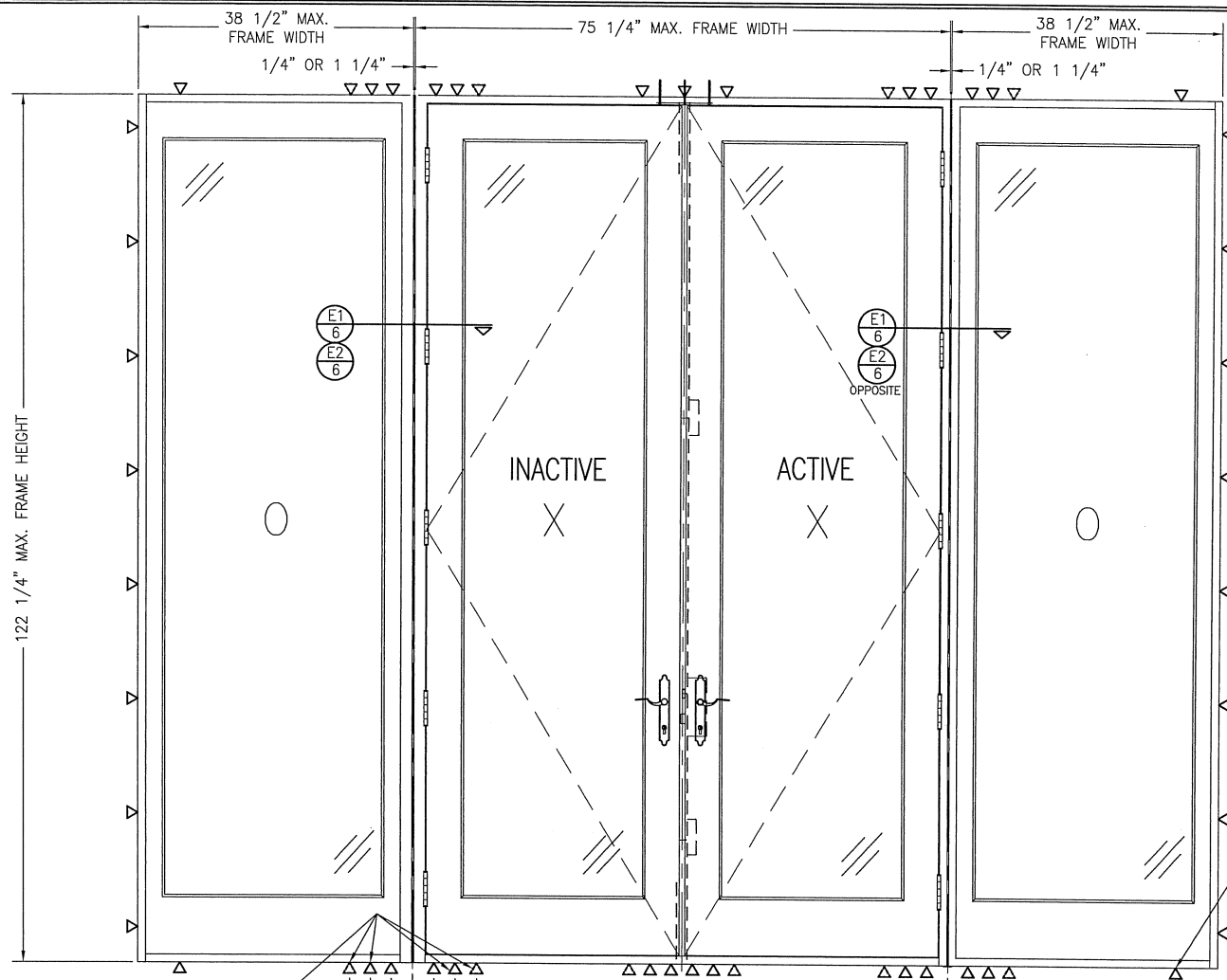
CERTIFICATION
JAN 08 2015
W. W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.
1470A

REV.
B

SHEET NO.
1 OF 9





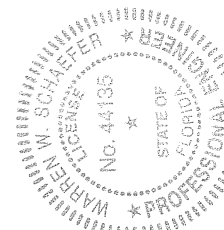
ADDITIONAL ANCHORS AT EACH MULLION END
(1 ADDITIONAL EACH SIDE OF MULLION WHEN
DOOR FRAME HEIGHT IS 98 1/4" OR LESS;
2 ADDITIONAL EACH SIDE WHEN DOOR FRAME
HEIGHT EXCEEDS 98 1/4")

**EXTERIOR ELEVATION:
DOUBLE OUT-SWING DOOR WITH SIDELIGHTS**

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

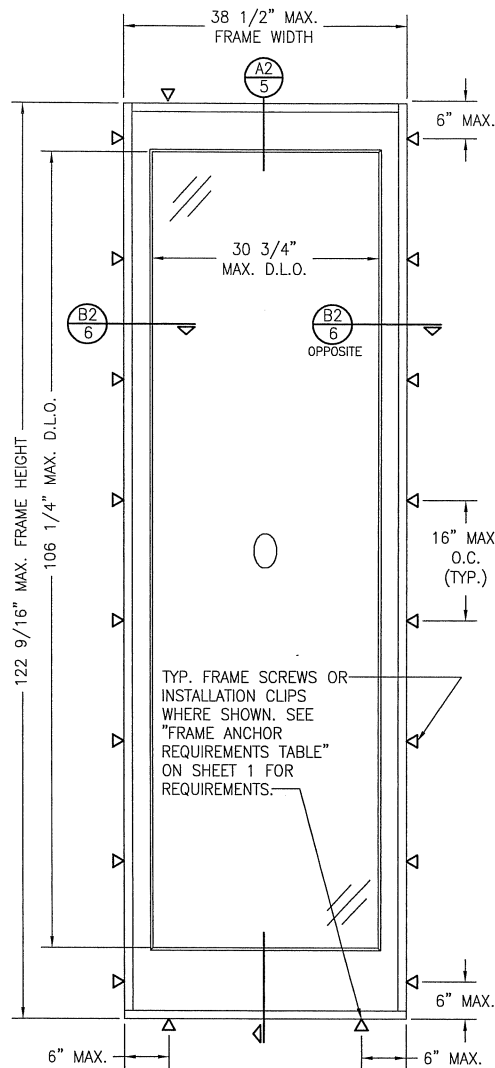
NOTE: OXO DOOR SHOWN. ALL OTHER 4-PANEL CONFIGURATIONS
OF SINGLE/DOUBLE DOORS & SIDELIGHTS ALSO APPLY.
(FOR ALL DETAIL NOT SHOWN; SEE INDIVIDUAL UNIT ELEVATIONS)

NOTE: WHEN AN ADA THRESHOLD IS USED WITH THE
DOORS, THIS UNCLIPPED MULLION CONDITION SHOWN MAY
NOT BE USED. WITH ADA THRESHOLD USE, MULLIONS
MUST BE CLIPPED MULLIONS UNDER SEPERATE APPROVAL.

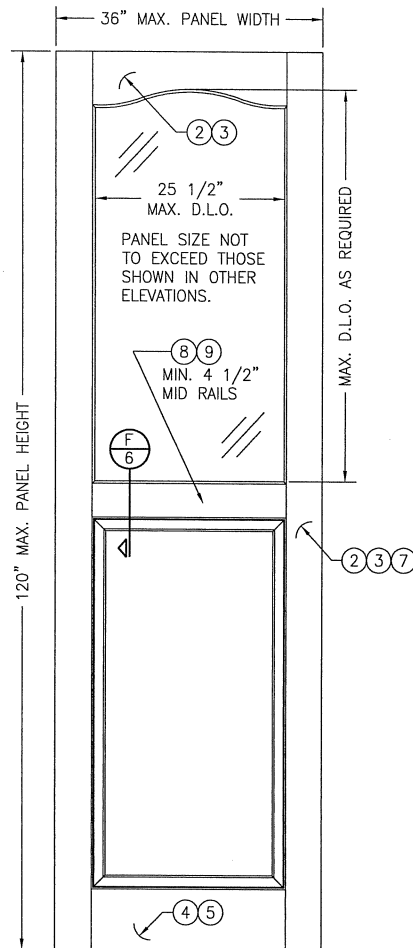


SEE SINGLE UNIT
ELEVATIONS FOR FRAME
ANCHOR REQUIREMENTS
& POSITIONS AROUND
DOORS

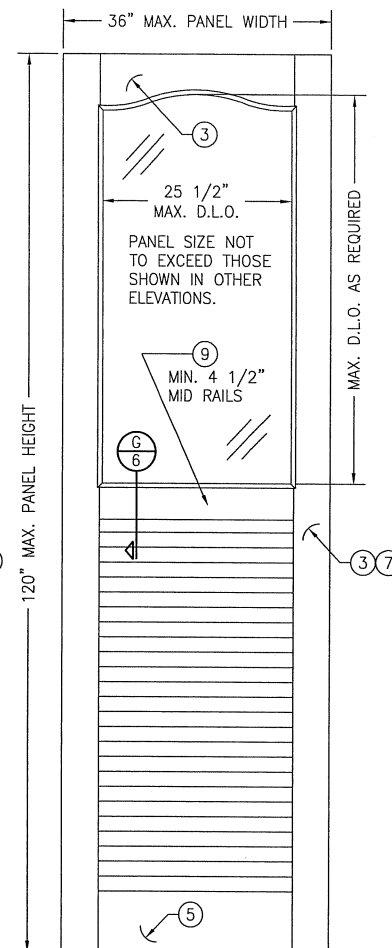
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLT: 1=15	DATE: 03/22/08
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 10 FOOT WOOD OUT-SWING IMPACT FRENCH DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH, FL 33418 PHONE: 561-747-3424	MANUFACTURER PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598
CERTIFICATION JAN 08 2015	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1470A	REV. B
SHEET NO. 3	OF 9



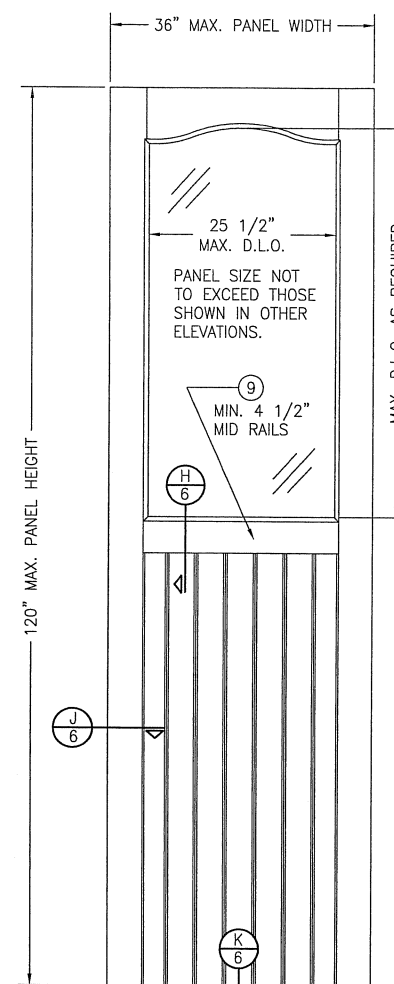
**EXTERIOR ELEVATION:
SINGLE FIXED PANEL**
SCALE: 3/4"=1'-0"



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



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

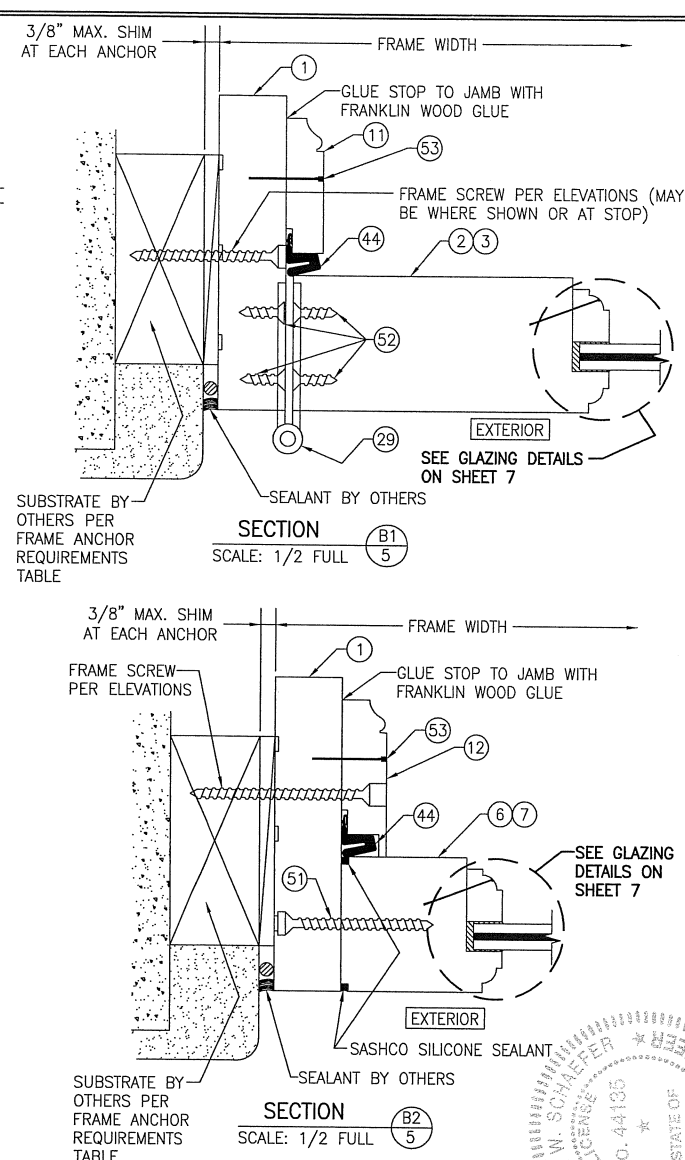
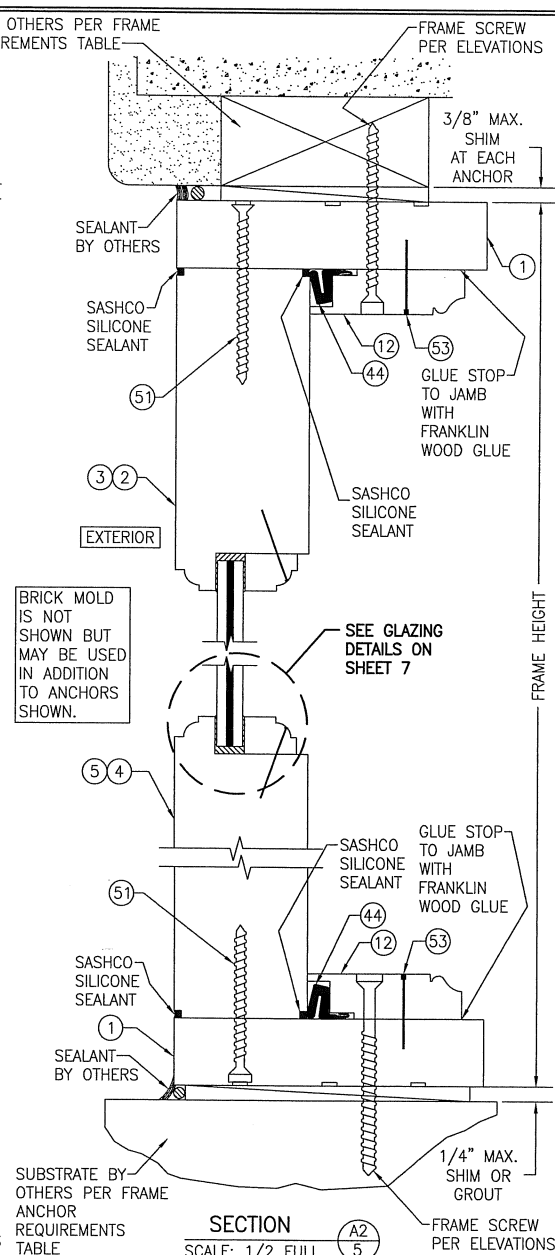
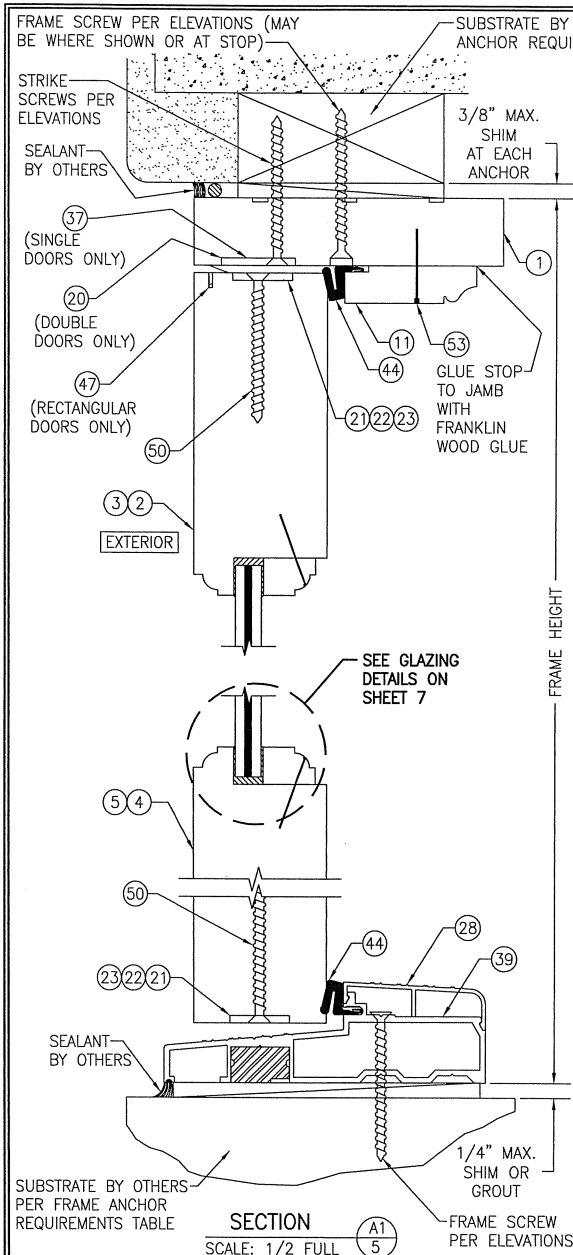


**EXTERIOR ELEVATION:
TONGUE & GROOVE PANEL**
SCALE: 3/4"=1'-0"

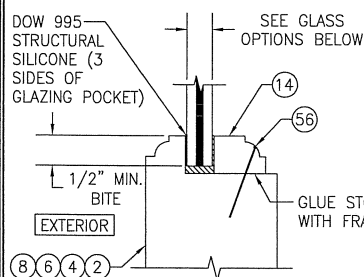
PANEL NOTES

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

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-15		DATE: 03/22/08	
NO.	REVISION DESCRIPTION	DATE	BY

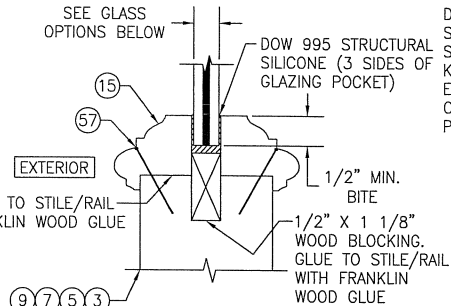


DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 03/22/08
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE	
10 FOOT WOOD OUT-SWING IMPACT FRENCH DOORS	
MANUFACTURER	
PALM CITY MILLWORK, INC.	
3313 S.W. 42ND AVE.	
PALM CITY, FL 34990	
800-273-5598	
CONSULTANTS	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	
5001 S. GOREY RD. SUITE 418	
PALM BEACH, FL 33418	
PHONE: 561-744-3424	
CERTIFICATION	
JAN 08 2008	
WARREN W. SCHAEFER, P.E.	
REV. NO. 44135	
DRAWING NO.	REV.
1470A	B
SHEET NO.	
5 OF 9	



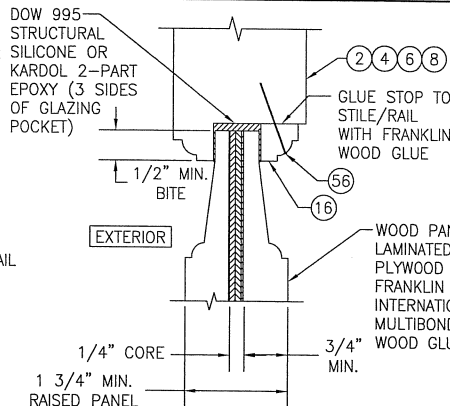
GLAZING DETAIL 1
(OVOLO STICKING METHOD)
SCALE: 1/2 FULL

GLASS OPTION 1: 7/16" THICK LAMINATED GLASS (3/16" AN./0.075" EASTMAN CHEM. CO. SAFLEX CP/3/16" AN.)
GLASS OPTION 2: 7/16" THICK LAMINATED GLASS (3/16" AN./0.090" DUPONT SG/3/16" AN.)

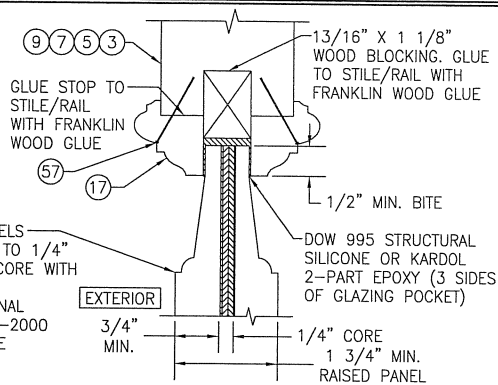


GLAZING DETAIL 2
(BOLECTION MOLDING METHOD)
SCALE: 1/2 FULL

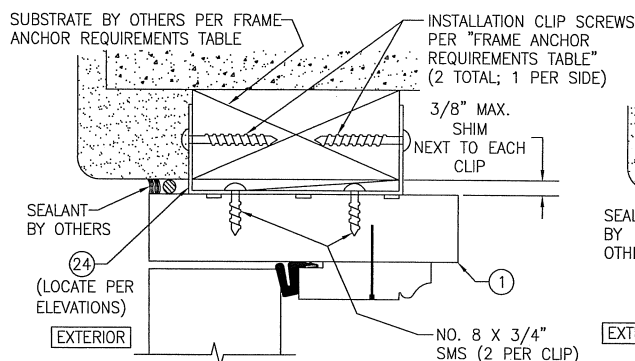
GLASS OPTION 1: 7/16" THICK LAMINATED GLASS (3/16" AN./0.075" EASTMAN CHEM. CO. SAFLEX CP/3/16" AN.)
GLASS OPTION 2: 7/16" THICK LAMINATED GLASS (3/16" AN./0.090" DUPONT SG/3/16" AN.)



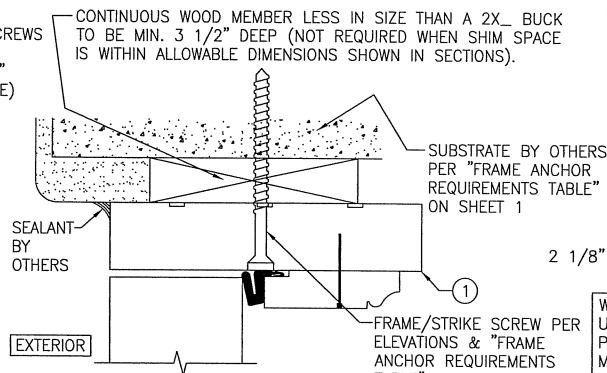
GLAZING DETAIL 3
(OVOLO STICKING METHOD)
SCALE: 1/2 FULL



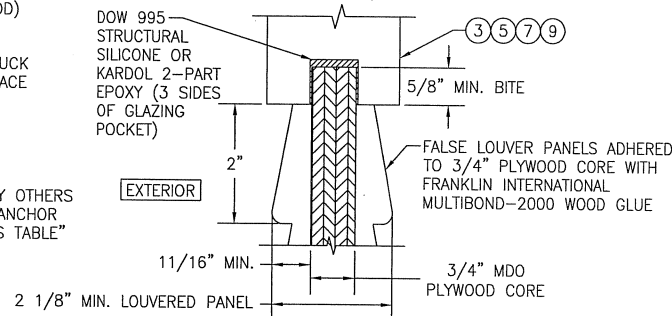
GLAZING DETAIL 4
(BOLECTION MOLDING METHOD)
SCALE: 1/2 FULL



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

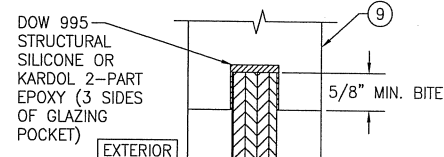


**OPTIONAL DIRECT MOUNT DETAIL
TO SUBSTRATE WITH SPACER**
(HEAD SECTION SHOWN, SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

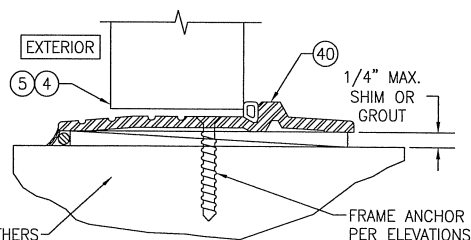


GLAZING DETAIL 5
(LOUVERED PANEL)
SCALE: 1/2 FULL

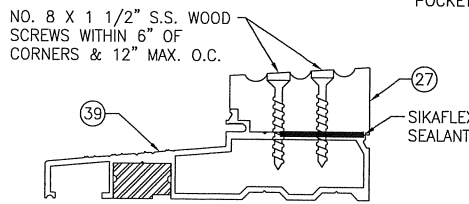
WOOD MATERIAL USED WITH PANELS MAY BE MAHOGANY OR ALTERNATE WOOD SPECIES AS SPECIFIED ON SHEET 9



GLAZING DETAIL 6
(TONGUE & GROOVE PANEL)
SCALE: 1/2 FULL



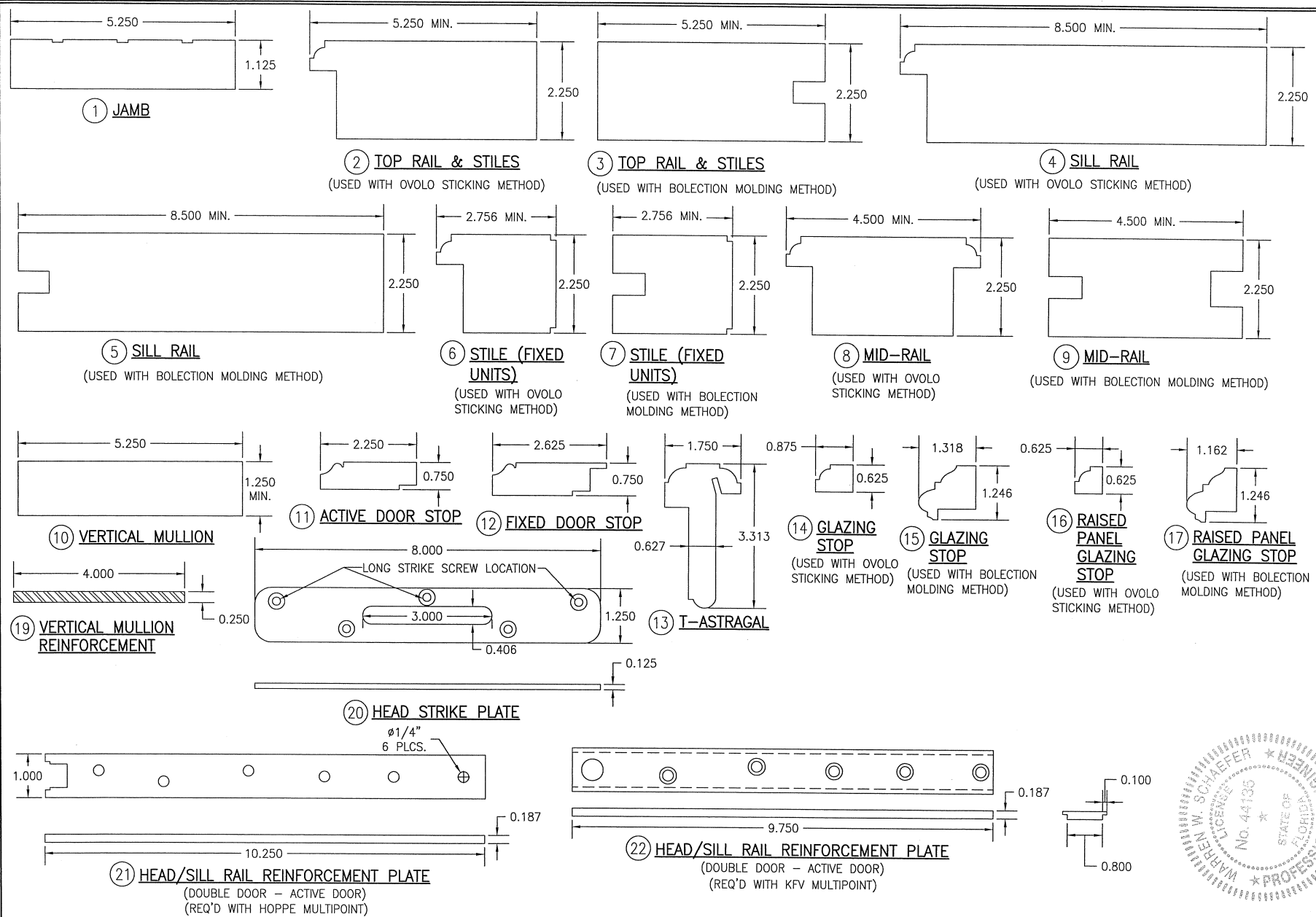
OPTIONAL ADA THRESHOLD DETAIL
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL THRESHOLD CAP DETAIL
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

ADA THRESHOLD MAY NOT BE USED WITH MULLED UNITS UNLESS A CLIPPED MULLION UNDER SEPERATE APPROVAL IS USED

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 03/22/08
DATE	
BY	
REVISION DESCRIPTION	
NO.	
10 FOOT WOOD OUT-SWING IMPACT FRENCH DOORS	
MANUFACTURER PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 4501 SOUTH COURTYARD NORTH PALM BEACH, FL 33418 PHONE: 561-744-3424	
DRAWING TITLE 10 FOOT WOOD OUT-SWING IMPACT FRENCH DOORS	
CERTIFICATION JAN 08 2015 W. W. SCHAEFER, P.E. NO. 44133	
DRAWING NO. 1470A	REV. B
SHEET NO. 7	OF 9

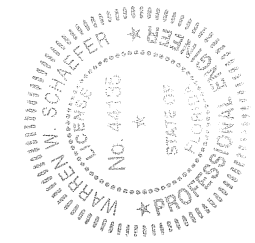
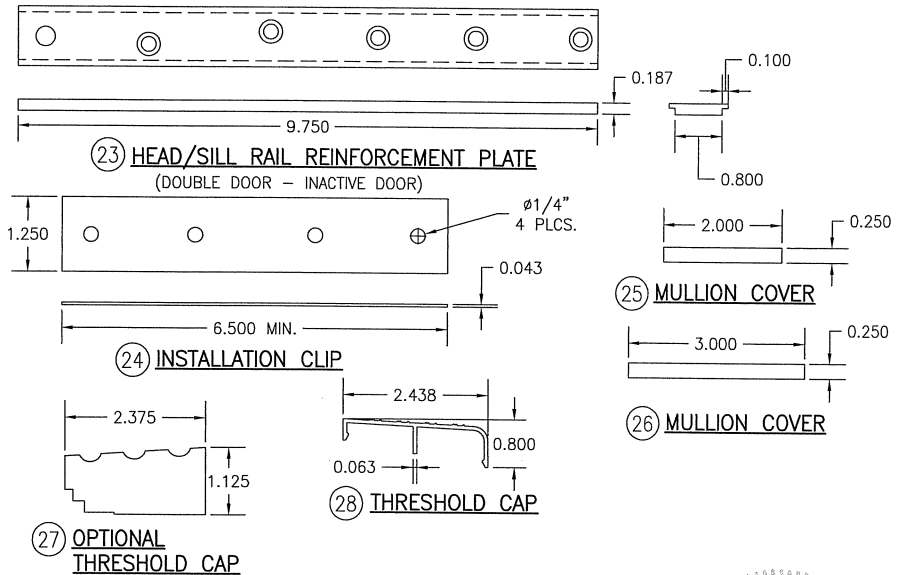


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 03/22/08	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE 10 FOOT WOOD OUT-SWING IMPACT FRENCH DOORS			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-5424			
CERTIFICATION			
JAN 08 2015			
DRAWING NO.		REV.	
1470A		B	
SHEET NO.			
8 OF 9			

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
14	GLAZING STOP	* WOOD (USED WITH OVOLO STICKING METHOD)
15	GLAZING STOP	* WOOD (USED WITH BOLECTION MOLDING METHOD)
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 KVF 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
27	OPTIONAL THRESHOLD CAP	* WOOD
28	THRESHOLD CAP	6063-T5 ALUMINUM
HARDWARE		
29	HINGE 5"x5"	BY: HAGER #1191/#1279 BRASS, S.S. OR PLATED STEEL
30	5-POINT LOCK HARDWARE	BY: KVF #AS7370
31	5-POINT LOCK HARDWARE	BY: HOPPE HLS 9000
32	4-POINT LOCK HARDWARE	BY: KVF #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: PALM CITY 6063-T5 ALUMINUM
40	ADA THRESHOLD	BY: PEMKO #2005/6063-T5 ALUMINUM
SEALS AND SEALANTS		
44	WEATHER STRIP	BY: SCHLEGEL #A-12000
47	WEATHER STRIP	BY: SCHLEGEL #3704-8941

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.

NOTE: WOOD USED IN TESTING WAS MAHOGANY WITH A SPECIFIC GRAVITY OF G = 0.62 AND A MODULUS OF ELASTICITY OF E = 1,600,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.62 AND MODULUS OF ELASTICITY OF 1,600,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY PALM CITY MILLWORK, INC. TO SELECT.



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/22/08	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE: 10 FOOT WOOD OUT-SWING IMPACT FRENCH DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: PALM CITY MILLWORK, INC. 3313 S.W. 42ND AVE. PALM CITY, FL 34990 800-273-5598	
CERTIFICATION: JAN 08 2015		WARREN W. SCHAEFER, P.E. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
DRAWING NO. 1470A		REV. B	
SHEET NO. 9		OF 9	