

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/OA 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 &/OR ARE 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.

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.

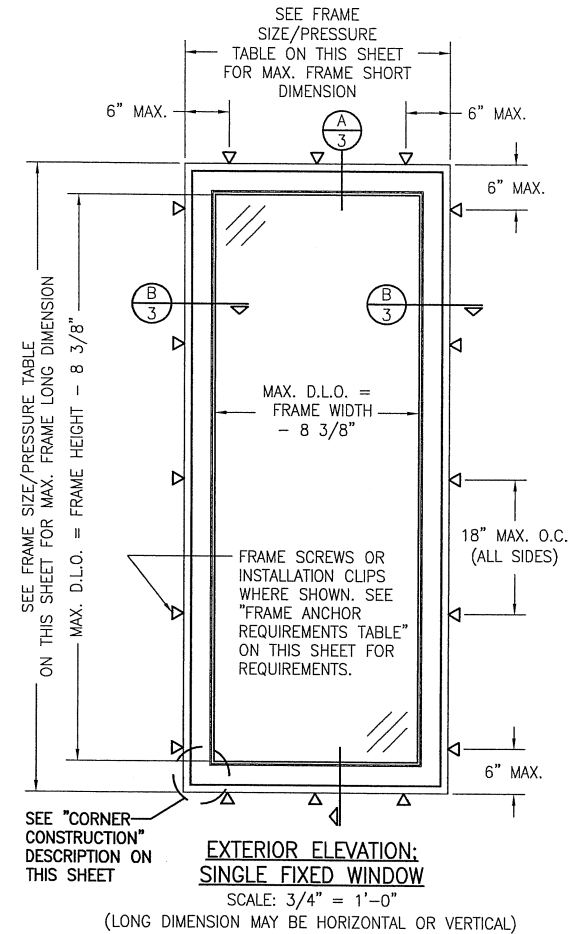
FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS			
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"
MIN. C-90 CMU OR 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 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.).

ALLOWABLE SINGLE WINDOW FRAME
SIZE & PRESSURE TABLE

FRAME SHORT DIMENSION (IN.)	MAX. FRAME LONG DIMENSION (IN.)	ALLOWABLE PRESSURE POSITIVE (PSF)	ALLOWABLE PRESSURE NEGATIVE (PSF)
24	126	60.0	70.0
30	100	60.0	70.0
36	84	60.0	70.0
42	72	51.4	60.0
48	63	45.0	52.5
54	56	40.0	46.7



EXTERIOR ELEVATION:
SINGLE FIXED WINDOW

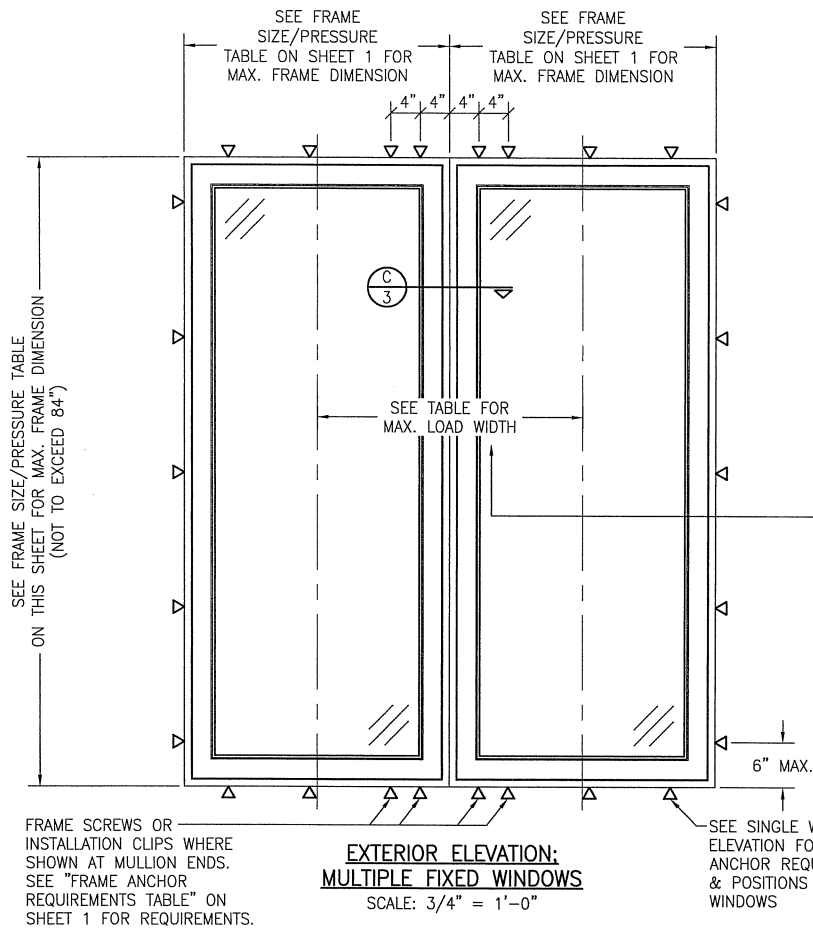
SCALE: 3/4" = 1'-0"
(LONG DIMENSION MAY BE HORIZONTAL OR VERTICAL)

CORNER CONSTRUCTION:

- WOOD JAMBS:** MITERED AND JOINED WITH STRUCTURAL SILICONE AND SECURED WITH THREE (3) NO. 8 X 2" S.S. WOOD SCREWS THRU HEAD AND SILL JAMBS INTO SIDE JAMBS & (2) NO. 8 X 2" S.S. WOOD SCREWS THRU SIDE JAMBS INTO HEAD AND SILL JAMBS
- JAMB CLAD:** MITERED AND SECURED WITH ONE (1) NO. 6 X 1 1/4" S.S. WOOD SCREW THRU HEAD CLAD INTO SIDE JAMB CLAD SCREW BOSS
- WOOD SASH:** BUTTED WITH MORTISE & TENON AND GLUED WITH FRANKLIN MULTI-BOND WOOD GLUE
- SASH CLAD:** SLID ONTO WOOD MEMBERS WITH RAIL CLAD BUTTED TO STILE CLAD & SEALED WITH SILICONE.

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.

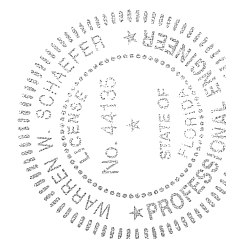
DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 05/16/08	
BY: 11/14/12	DATE: 07/09/15	W.W.S.	
REVISION DESCRIPTION	NO.		
A1: UPDATE TO CURRENT STANDARDS			
B1: UPDATE TO CURRENT STANDARDS			
DRAWING TITLE: ALUMINUM CLAD FIXED SASH SET WINDOW			
MANUFACTURER: PALM CITY MILLWORK, INC. 3313 S.W. 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			
DRAWING NO. 1204			
SHEET NO. 1 OF 4			



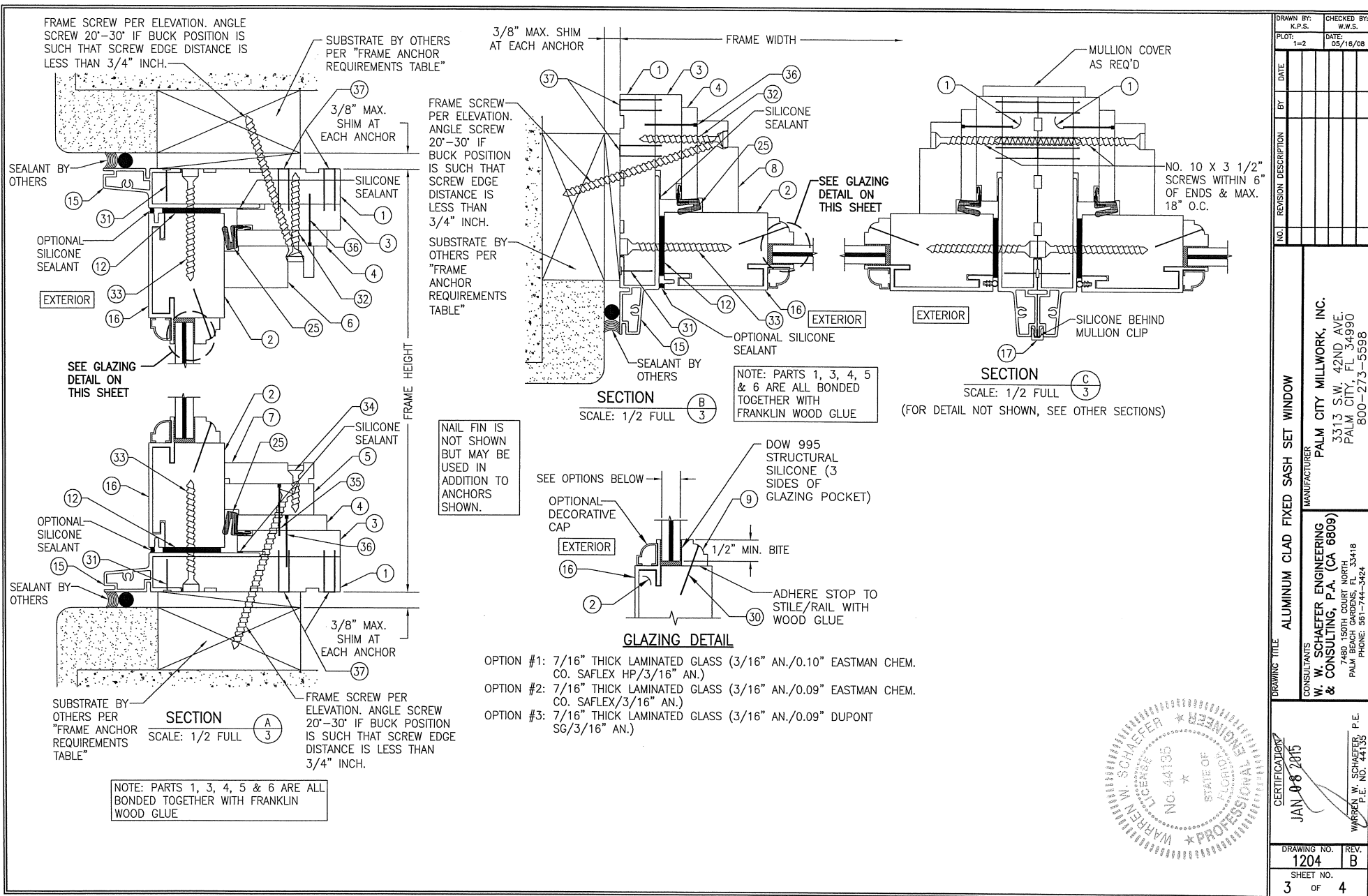
MULLION LENGTH	MAX. LOAD WIDTH
84"	36"
81"	37"
78"	39"
75"	40"
72"	42"
69"	44"
66"	46"
63"	48"
60"	50"
57"	53"
54"	54" OR GREATER

MULTIPLE UNIT NOTES:

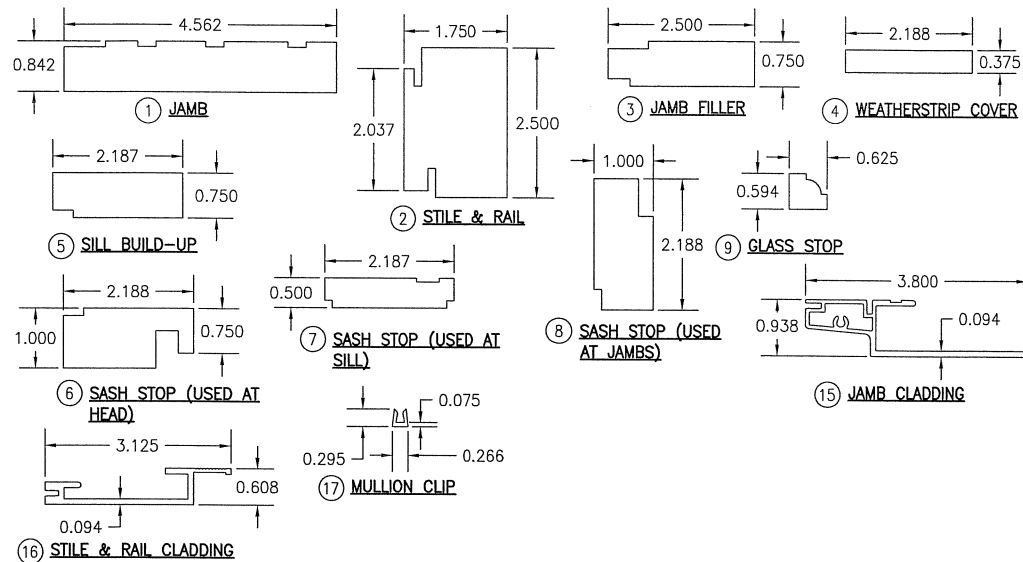
- ALL WINDOWS ARE RESTRICTED BY THE DIMENSIONS SHOWN IN THE ELEVATIONS & LOAD TABLE.
- THE MAXIMUM ALLOWABLE PRESSURE FOR A COMBINED UNIT IS CONTROLLED BY THE INDIVIDUAL WINDOW ALLOWABLE PRESSURES. SEE SIZE/PRESSURE TABLE ON THIS SHEET.
- WINDOWS MAY BE STACKED HORIZONTALLY OR VERTICALLY. IF VERTICALLY STACKED, THE MANUFACTURER &/OR INSTALLER SHALL INSURE THAT THE DEAD LOAD WEIGHT OF THE ABOVE WINDOWS CAN NOT CAUSE UNDO FAILURE TO THE BELOW WINDOWS.
- THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOWS & THEIR MULLIONS.



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PLOT: 1=16		DATE: 05/18/08	
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CERTIFICATION: JAN 08 2015		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1204		REV. B	
SHEET NO. 2		OF 4	

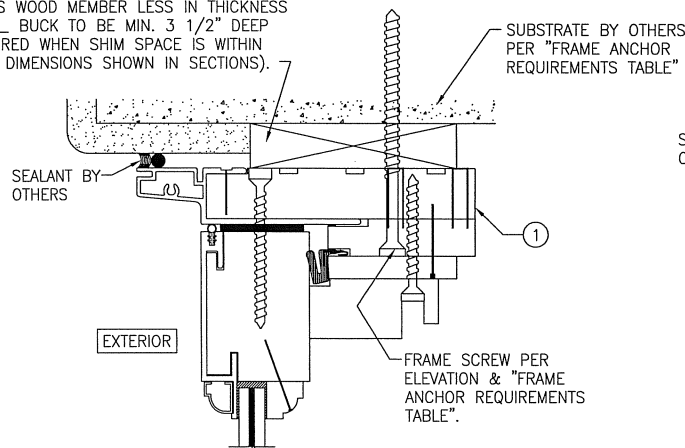


ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	JAMB	WOOD
2	STILE & RAIL	WOOD
3	JAMB FILLER	WOOD
4	WEATHERSTRIP COVER	WOOD
5	SILL BUILD-UP	WOOD
6	SASH STOP (USED AT HEAD)	WOOD
7	SASH STOP (USED AT SILL)	WOOD
8	SASH STOP (USED AT JAMBS)	WOOD
9	GLASS STOP	WOOD
12	1/8" X 1 7/16" SHIM BLOCK	RUBBER
15	JAMB CLADDING	6063-T5 ALUMINUM
16	MULLION CLIP (CONTINUOUS)	6063-T5 ALUMINUM
20	INSTALLATION CLIP 0.043" X 1 1/4" X 6.5"	MIN. 33 P.S.I. GALVANIZED STEEL
SEALS & SEALANTS		
25	WEATHERSTRIP	SCHLEGEL Q-LON #QEED-650
FASTENERS		
30	18 GA. X 1" FINISH NAIL	2" FROM CORNERS & 5" MAX. O.C.
31	18 GA. X 7/8" X 3/4" S.S. STAPLES	5" FROM CORNERS & 6" MAX. O.C.
32	NO. 8 X 2" FH SS WOOD SCREW	2" FROM ENDS & 12" MAX. O.C.
33	NO. 10 X 2 1/2" FH SS SMS	6" FROM ENDS & 16" MAX. O.C.
34	NO. 8 X 1" S.S. WOOD SCREW	2" FROM ENDS & AT MIDPOINT OF SILL CAP
35	18 GA. X 1 1/4" FINISH NAIL	2" FROM CORNERS & 8" O.C.
36	18 GA. X 1 1/4" FINISH NAIL	2" FROM CORNERS & 5" O.C.
37	18 GA. X 1 1/4" FINISH NAIL	2" FROM CORNERS & APPROX 4" O.C.

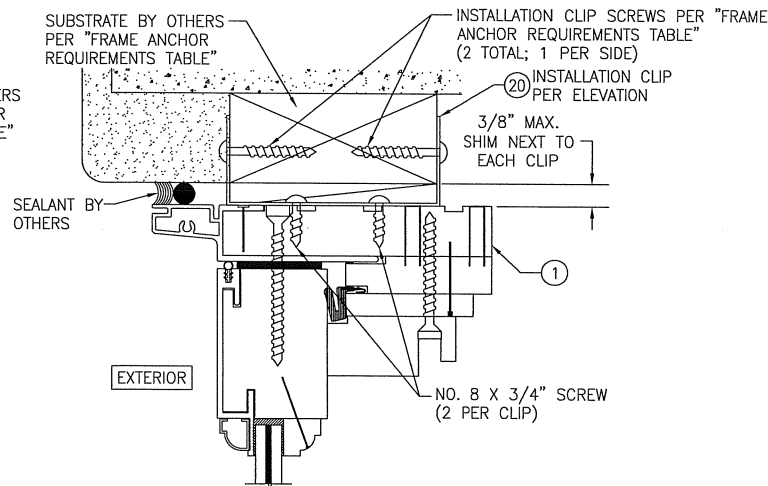


NOTE: WOOD USED IN TESTING WAS MAHOGANY WITH A SPECIFIC GRAVITY OF $G = 0.62$ AND A MODULUS OF ELASTICITY OF $E = 1,600,000$ PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.62 AND MODULUS OF ELASTICITY OF 1,600,000 PSI OR GREATER. ALL WOOD IS MINIMUM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

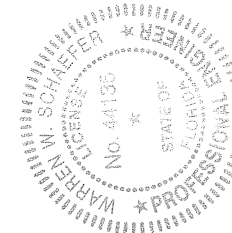
CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X BUCK TO BE MIN. 3 1/2" DEEP (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS).



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



OPTIONAL INSTALLATION CLIP DETAIL
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



DRAWN BY: K.P.S.		CHECKED BY:	
PLOT: 1=2		DATE: 05/16/08	
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CERTIFICATION: JAN 08 2015		P.E. NO. 44136	
DRAWING NO. 1204		REV. B	
SHEET NO. 4		OF 4	