

GENERAL NOTES:

1. ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. THESE LARGE MISSILE IMPACT RATED WINDOW SYSTEM INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
4. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
5. 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.
6. TO THE BEST OF OUR KNOWLEDGE, THE WINDOWS SHOWN HEREIN ARE CERTIFIED & QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE 9N-3 FLORIDA BUILDING COMMISSION SPECIFICATIONS. WINDOW ASSEMBLY IS NOT PART OF THIS DRAWING AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
7. CERTIFICATION OF THESE WINDOW INSTALLATIONS SHALL BE CONSIDERED VOID IF ANY OF THE FOLLOWING APPLY: 1) THEY ARE INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT. 2) IF THEY ARE INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH WINDOW INSTALLATIONS. 3) IF CHANGES HAVE OCCURRED TO THE PRODUCT'S CERTIFICATION ENTITY'S CERTIFICATE THAT CAUSE THESE INSTALLATIONS TO BE INCORRECT OR INCONSISTENT WITH WHAT HAS BEEN TESTED.
8. THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCTS CERTIFICATION SHALL CONTROL FOR THE INSTALLED WINDOW.
9. THESE DRAWINGS CERTIFY THE WINDOW INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED WINDOWS IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.

INSTALLATION EVALUATION IS BASED ON APPLICABLE ANCHOR STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THE 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 THE REFERENCED PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE INSTALLATION EVALUATION ENGINEER OF RECORD THAT THE INSTALLATIONS SPECIFIED HERE-IN ARE CURRENT WITH THE THEN CURRENT TESTING, CODE AND APPLICABLE STANDARDS.

ALTERNATE ANCHOR/SUBSTRATE EVALUATION NOTE:

ALL ALTERNATE ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE EQUIVALENT TO OR STRONGER THAN THE ANCHOR(S) USED IN TESTING WITH THIS PRODUCT.

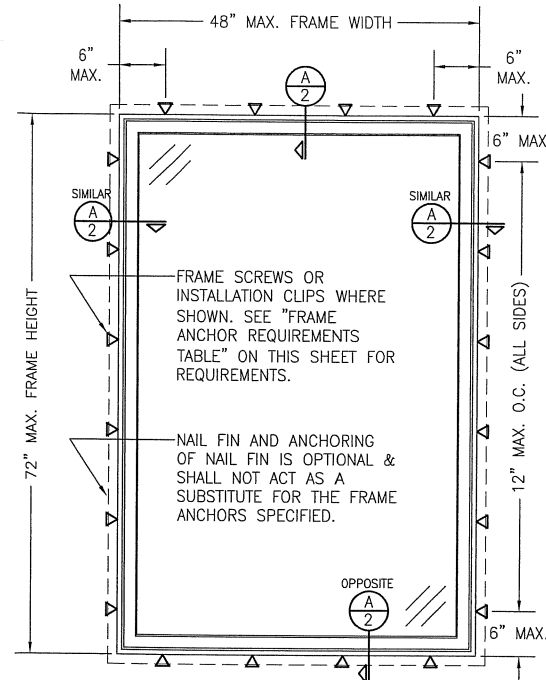
FRAME ANCHOR REQUIREMENTS TABLE

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"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
INSTALLATION CLIP SCREWS (OPTION 1)			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	(2) N/A
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	(2) N/A
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	(2) N/A
INSTALLATION CLIP SCREWS (OPTION 2)			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	3/4"
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.).

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: S.T.R.
CHECKED BY: W.W.S.
PLOT: 1-16
DATE: 1/11/04



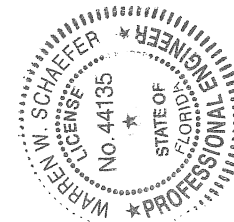
EXTERIOR ELEVATION: SINGLE WINDOW

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

ALLOWABLE DESIGN PRESSURE

+/-65 PSF

PRESSURE SHOWN IN THIS TABLE IS FOR INSTALLATION CONDITIONS ONLY. THE GOVERNING DESIGN PRESSURE ON THE WINDOWS SHALL BE THE LESSER OF THAT SHOWN IN THE INDIVIDUAL WINDOW'S STATE APPROVAL OR THAT SHOWN IN THIS TABLE.

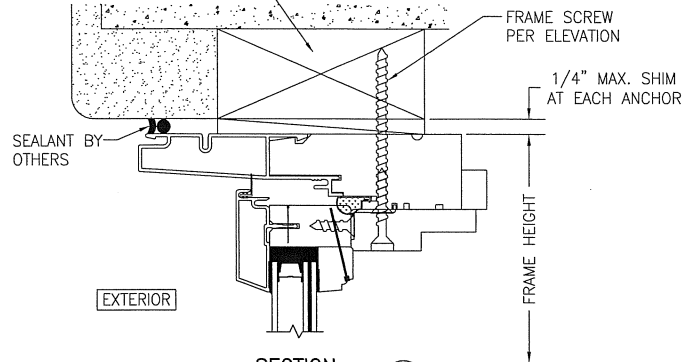


NO.	REVISION	DESCRIPTION	BY	DATE
A1	UPDATE TO 2004 CODE COMPLIANT	WWS	08/10/05	
C1	UPDATE PER NEW TESTING	WWS	06/27/08	
D1	UPDATE PER NEW TESTING	WWS	03/11/10	
			12/12/13	

DRAWING TITLE		PINNACLE ALUMINUM CLAD WOOD IMPACT FIXED CASEMENT WINDOWS
CONSULTANTS	MANUFACTURER	WINDSOR WINDOWS & DOORS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		900 S. 19TH STREET
7480 150TH COURT NORTH		WEST DES MOINES, IA 50265
PALM BEACH GARDENS, FL 33418		800-218-6186
PHONE: 561-744-3424		

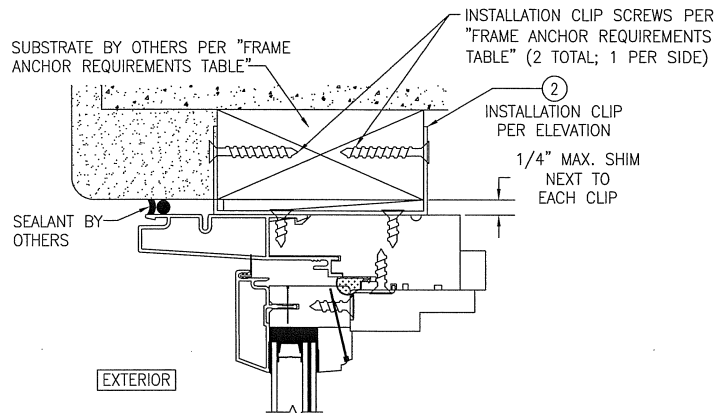
CERTIFICATION	DATE	REV.
WARREN W. SCHAEFER, P.E.	DEC 28 2013	D
P.E. NO. 44135		
DRAWING NO. 1368	SHEET NO. 1	OF 2

SUBSTRATE BY OTHERS PER "FRAME ANCHOR REQUIREMENTS TABLE"



SECTION
SCALE: 1/2 FULL

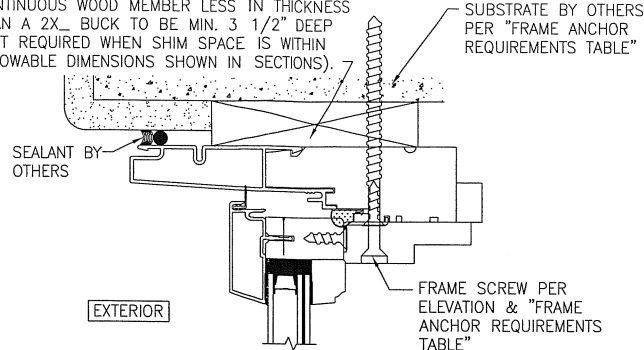
FRAME SCREW MOUNT SHOWN. SEE DETAILS ON THIS SHEET FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



INSTALLATION CLIP DETAIL (OPTION 1)

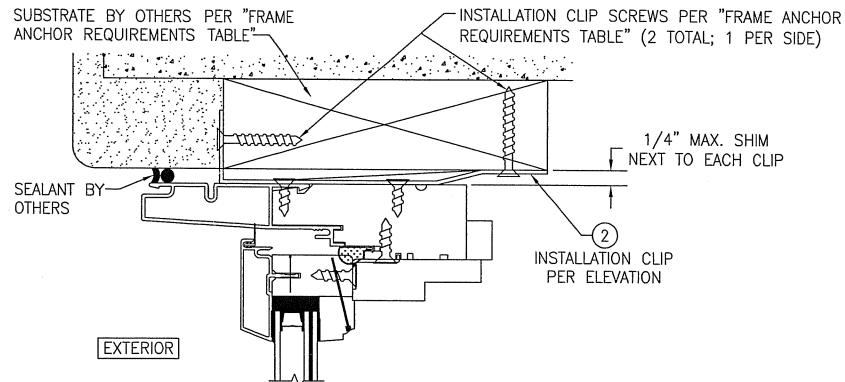
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

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).



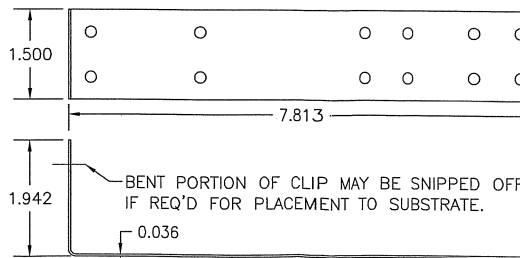
OPTIONAL DIRECT MOUNT DETAIL
TO SUBSTRATE WITH SPACER

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

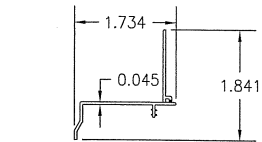


INSTALLATION CLIP DETAIL (OPTION 2)

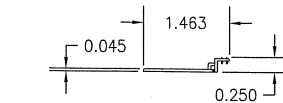
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



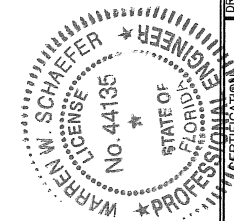
② FRAME INSTALLATION CLIP
(33 KSI STEEL)



① NAIL FIN (USABLE WITH HEAD ONLY)
RIGID & FLEXIBLE PVC



① NAIL FIN (USABLE WITH ALL SIDES)
RIGID & FLEXIBLE PVC



DRAWN BY: S.T.R.	CHECKED BY: W.W.S.
DATE: 1/11/05	
NO.	REVISION DESCRIPTION
1	DATE
2	BY
3	MANUFACTURER
4	CONSULTANTS
5	WINDSOR WINDOWS & DOORS
6	900 S. 19TH STREET
7	WEST DES MOINES, IA 50265
8	800-218-6186
9	MANUFACTURER
10	W. W. SCHAEFER ENGINEERING
11	& CONSULTING, P.A. (CA 6809)
12	7480 150TH COURT NORTH
13	PALM BEACH GARDENS, FL 33418
14	PHONE: 561-744-3424
15	DATE: 28 2013
16	WARREN W. SCHAEFER, P.E.
17	P.E. NO. 44135
DRAWING NO.	REV.
1368	D
SHEET NO.	
2	OF 2