

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 NON-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

(3) FRAME SCREWS

OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
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"

(2) NAILING FIN FASTENERS

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. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	1 1/2" X 11 GA. ROOFING NAIL	1 3/8"	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) WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.
- (3) FRAME SCREWS MUST BE A PAN OR HEX HEAD SCREW.

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.
PLOT: 1-16 DATE: 04/01/09

NO.	REVISION DESCRIPTION	DATE	BY
A1	UPDATE TO CURRENT STANDARDS	07/04/12	W.R.M.
B1	UPDATE PER NEW TESTING	08/29/12	W.R.M.

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219
641-621-1000

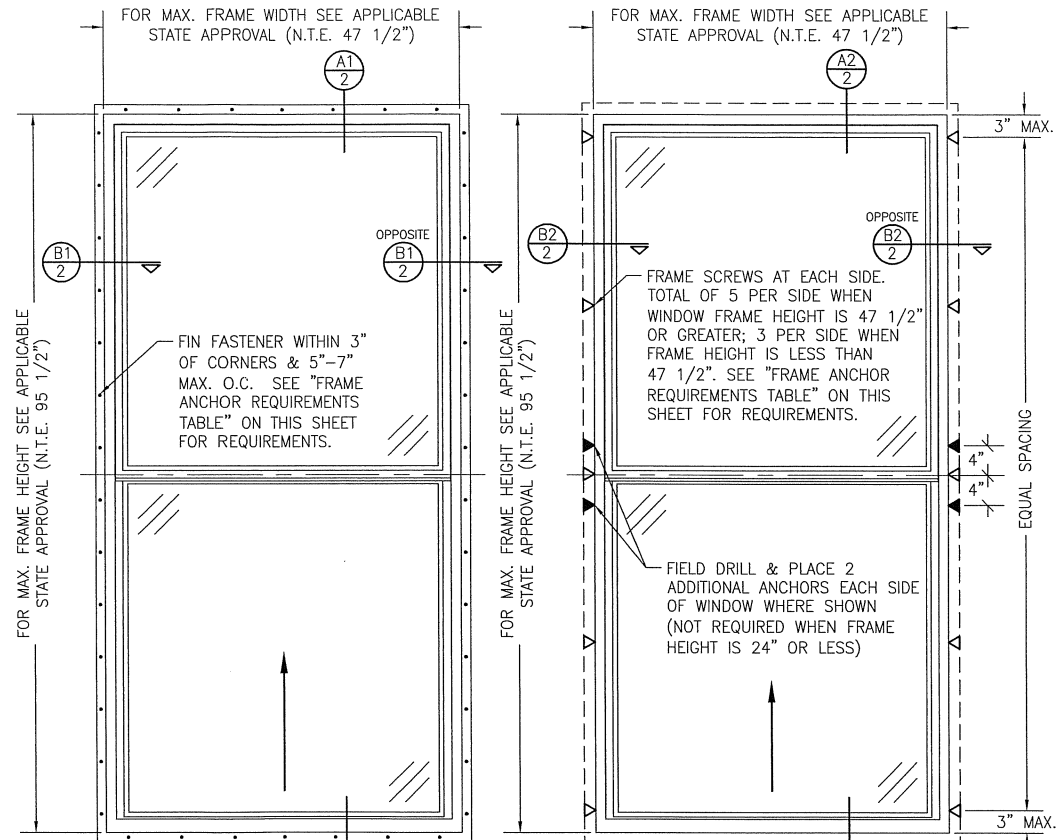


W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
1480 EIGHTH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

IMPERVIA NON-IMPACT SINGLE HUNG WINDOW

W. W. SCHAEFER P.E.
NO. 44135
JUN 16 2012

DRAWING NO. 1653
SHEET NO. 1 OF 3



EXTERIOR ELEVATION: SINGLE WINDOW

SCALE: 3/4" = 1'-0"
(NAIL FIN MOUNT CONDITION)

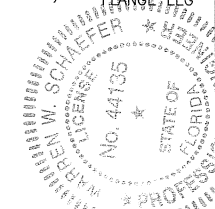
EXTERIOR ELEVATION: SINGLE WINDOW

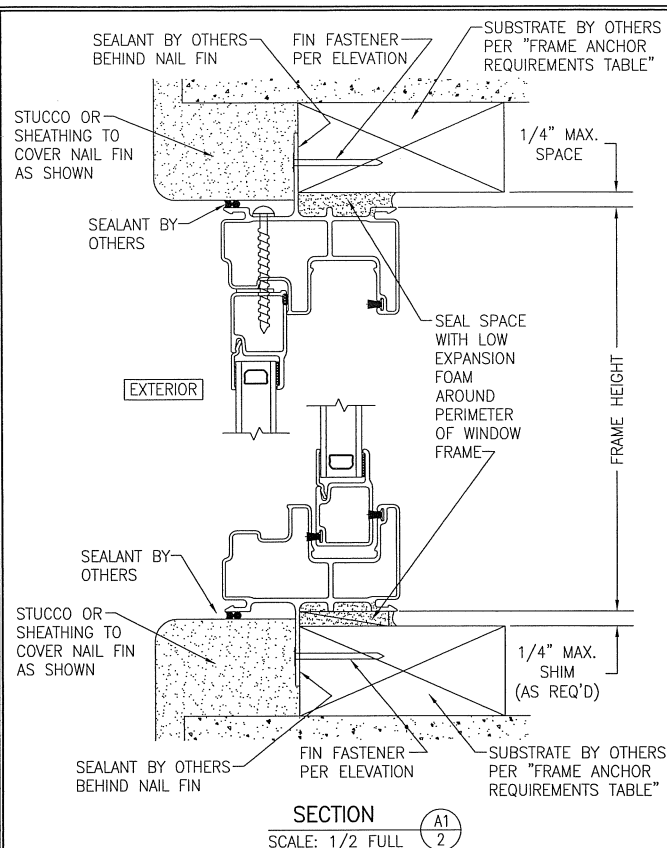
SCALE: 3/4" = 1'-0"
(FRAME SCREW MOUNT CONDITION)

FRAME MEMBERS MAY BE WITH OR WITHOUT A FLANGE LEG

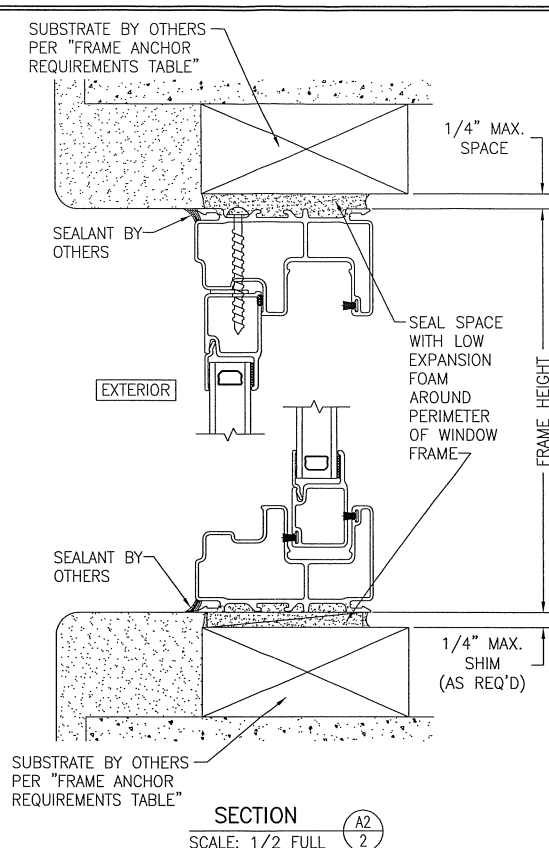
ALLOWABLE DESIGN PRESSURE

FOR ALLOWABLE PRESSURE VS. SIZE, SEE APPLICABLE STATE APPROVAL.

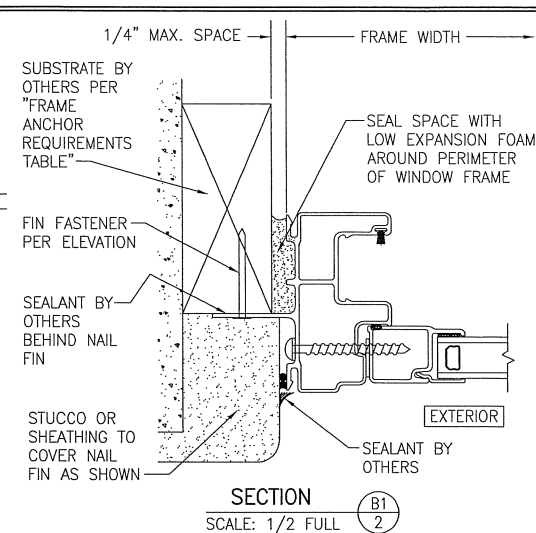




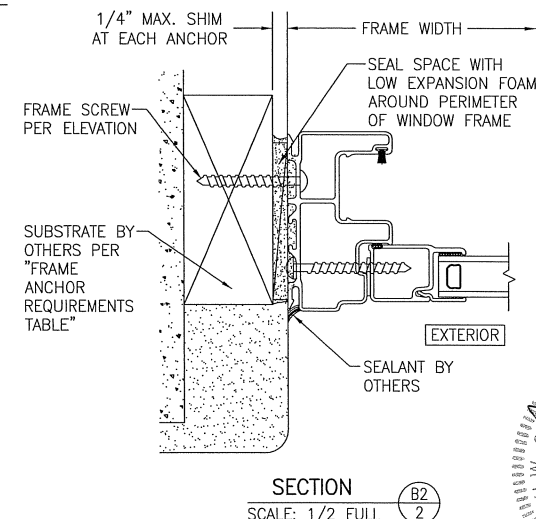
INTEGRAL NAIL FIN MOUNT CONDITION SHOWN. SEE DETAIL ON SHEET 3 FOR SLIDE-IN NAIL FIN MOUNT CONDITION.



TYPICAL FRAME CONDITION SHOWN. SEE DETAILS ON SHEET 3 FOR FLANGED FRAME & DIRECT MOUNT CONDITIONS

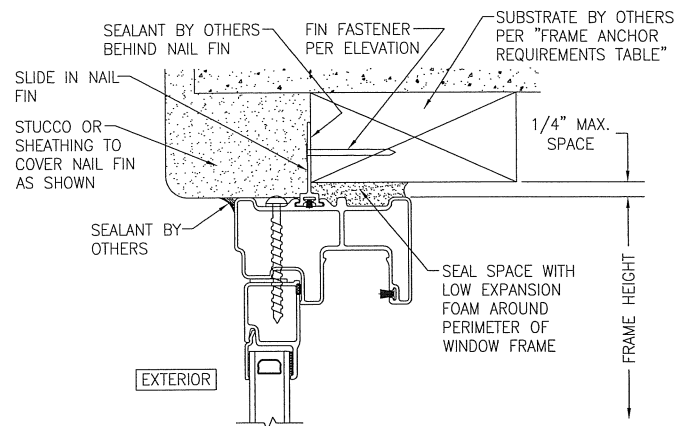


INTEGRAL NAIL FIN MOUNT CONDITION SHOWN. SEE DETAIL ON SHEET 3 FOR SLIDE-IN NAIL FIN MOUNT CONDITION.

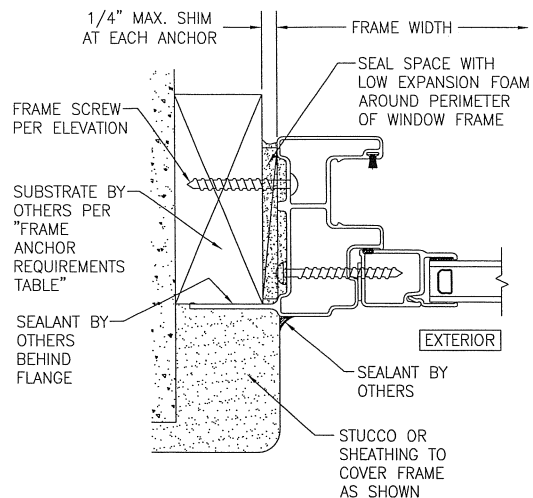


TYPICAL FRAME CONDITION SHOWN. SEE DETAILS ON SHEET 3 FOR FLANGED FRAME & DIRECT MOUNT CONDITIONS

DRAWN BY:	W.R.M.	CHECKED BY:	W.N.S.
PLOT:	1=2	DATE:	04/01/09
DATE:			
BY:			
REVISION DESCRIPTION:			
NO.			
DRAWING TITLE:	IMPERVIA NON-IMPACT SINGLE HUNG WINDOW		
CONSULTANTS:	PELLA CORPORATION		
	102 MAIN STREET		
	PELLA, IA 50219		
	641-621-1000		
			
	MANUFACTURER		
	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		
	7480 155TH COURT NORTH		
	PALM BEACH, FL 33418		
	PALM PHONE: 561-744-3424		
CERTIFICATION:	NO. 44,095		
	JUN 26 2012		
	WARREN W. SCHAEFER, P.E.		
	NO. 144335		
DRAWING NO.	1653	REV.	B
SHEET NO.	2	OF	3

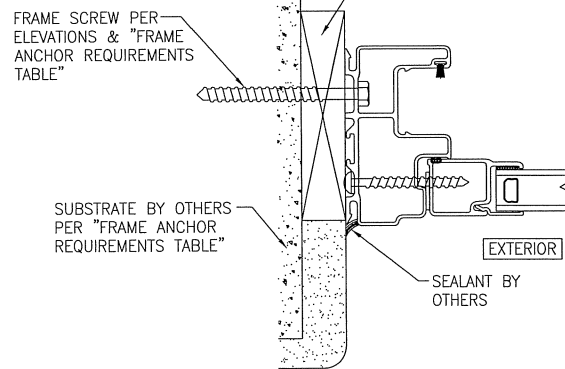


OPTIONAL SLIDE-IN NAIL FIN INSTALLATION DETAIL
(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)

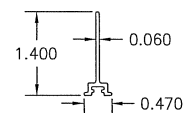


OPTIONAL FLANGED FRAME INSTALLATION DETAIL

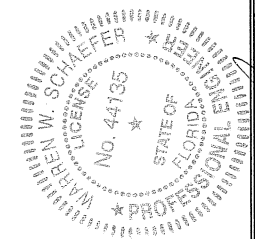
CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X_ BUCK TO BE MIN. 3 1/2" DEEP (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS).



OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER



RIGID PVC SLIDE-IN NAIL FIN



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 04/01/09
DATE	
BY	
REVISION DESCRIPTION	
NO	
DRAWING TITLE IMPVRIA NON-IMPACT SINGLE HUNG WINDOW	
MANUFACTURER PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-5424	
CERTIFICATION	JUN 26 2012 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1653	REV. B
SHEET NO. 3 OF 3	