

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.

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.

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.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN 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 (STANDARD TWO BEND CONDITION)

MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS OR WOOD SCREW	1 3/8"	3/4"
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"

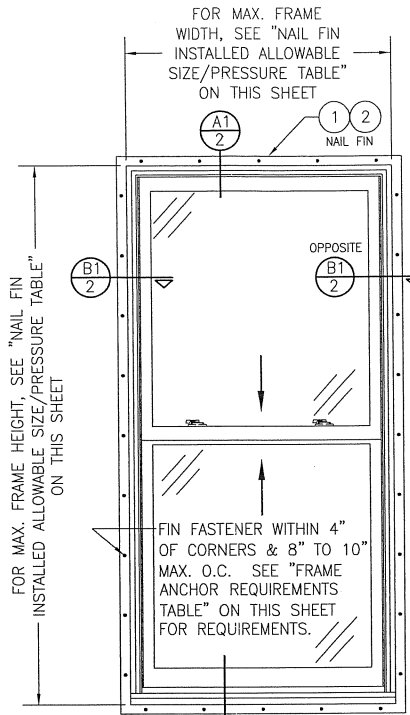
INSTALLATION CLIP SCREWS (ALTERNATE ONE BEND CONDITION)

MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS OR WOOD SCREW	1 3/8"	3/4"
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"

(2) NAILING FIN FASTENERS

MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS OR WOOD SCREW	1 3/8"	1/2"
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GA. ROOFING NAIL	1 3/4"	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 RAMSEY/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.

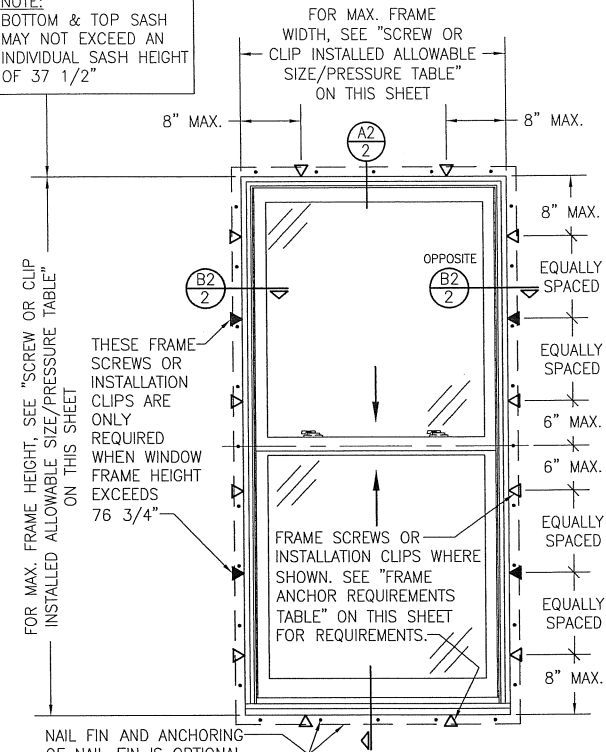


EXTERIOR ELEVATION:
SINGLE WINDOW
(NAIL FIN INSTALLED)
SCALE: 3/4" = 1'-0"

NAIL FIN INSTALLED ALLOWABLE SINGLE WINDOW SIZE/PRESSURE TABLE

MAXIMUM FRAME DIMENSIONS	PERFORMANCE KIT REQUIRED	JAMB LINER OPTION	ALLOWABLE PRESSURE (PSF)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
37 3/8	92 3/4	STANDARD	FLEX BACK +/-30
45 3/8	60 3/4	STANDARD	FLEX BACK +/-35
29 3/8	80 3/4	STANDARD	FLEX BACK +/-35
37 3/8	72 3/4	STANDARD	FLEX BACK +/-35
37 3/8	76 3/4	COASTAL	FLEX BACK +/-50
37 3/8	80 3/4	HIGH	FLEX BACK +/-50
41 3/8	64 3/4	HIGH	FLEX BACK +/-50
45 3/8	76 3/4	COASTAL	FLEX BACK +/-50
45 3/8	80 3/4	STANDARD	CONCEALED +/-50

NOTE:
BOTTOM & TOP SASH MAY NOT EXCEED AN INDIVIDUAL SASH HEIGHT OF 37 1/2"



NAIL FIN AND ANCHORING OF NAIL FIN IS OPTIONAL & SHALL NOT ACT AS A SUBSTITUTE FOR THE FRAME ANCHORS SPECIFIED. FIN MAY BE REMOVED WHEN REQUIRED BY OPENING CONDITIONS

EXTERIOR ELEVATION:
SINGLE WINDOW
(SCREW OR CLIP INSTALLED)
SCALE: 3/4" = 1'-0"

SCREW OR CLIP INSTALLED ALLOWABLE SINGLE WINDOW SIZE/PRESSURE TABLE

MAXIMUM FRAME DIMENSIONS	PERFORMANCE KIT REQUIRED	JAMB LINER OPTION	ALLOWABLE PRESSURE (PSF)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
37 3/8	92 3/4	STANDARD	FLEX BACK +/-30
29 3/8	80 3/4	STANDARD	FLEX BACK +/-35
37 3/8	72 3/4	STANDARD	FLEX BACK +/-35
37 3/8	80 3/4	HIGH	FLEX BACK +/-50
37 3/8	76 3/4	STANDARD	CONCEALED +/-50

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: 02/09/04

NO.	REVISION DESCRIPTION	BY	DATE
B1	REVISED TO NEW TESTING	WWS	02/07/08
C1	UPDATE TO PRESENT STANDARDS	WWS	06/16/08
D1	REVISED TO NEW TESTING	WWS	06/09/10
E1	UPDATE TO PRESENT STANDARDS & NEW TESTING	WWS	03/07/12
F1	REVISED TO NEW TESTING	WWS	08/28/13

REVISION

WINDOR WINDOWS & DOORS
900 S. 19TH STREET
WEST DES MOINES, IA 50265
800-218-6186

MANUFACTURER

W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-5424

CONSULTANTS

W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
7480 150TH COURT NORTH
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DRAWING TITLE

PINNACLE ALUMINUM CLAD WOOD NON-IMPACT DOUBLE HUNG WINDOW

DRAWING NO.

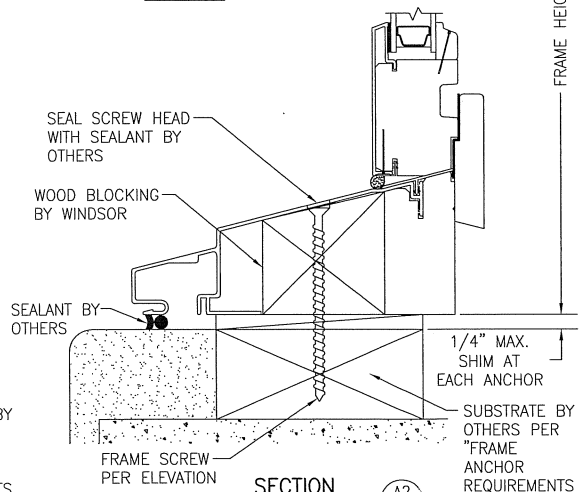
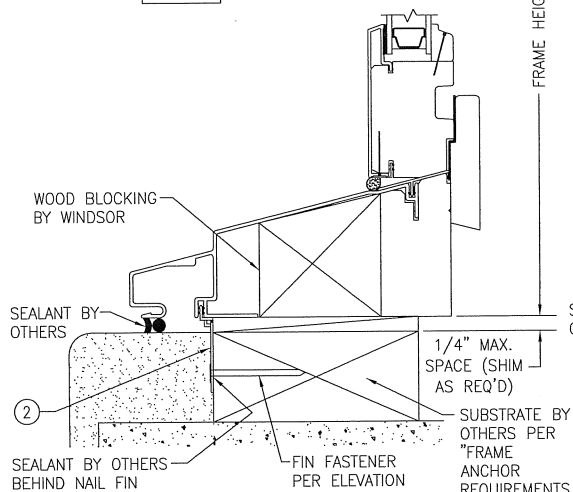
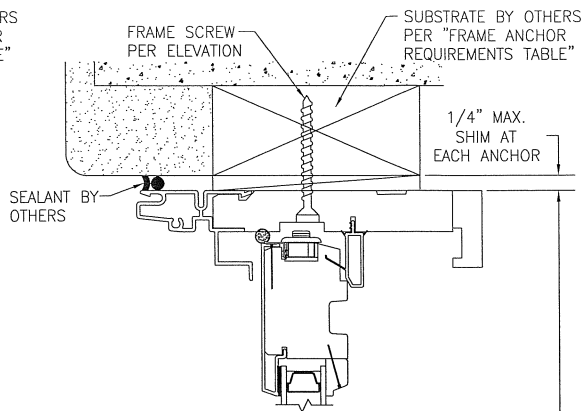
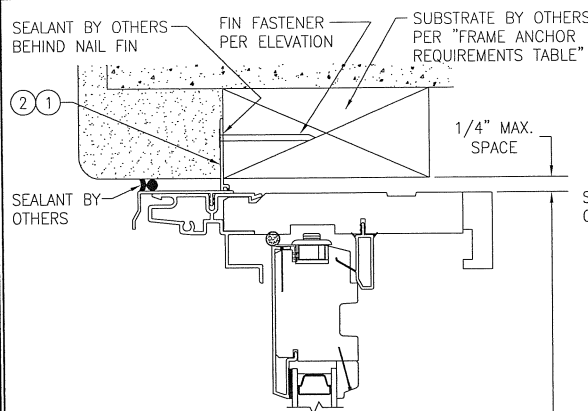
1267

SHEET NO.

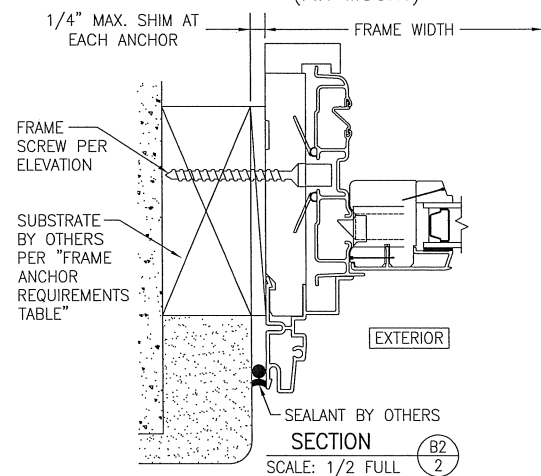
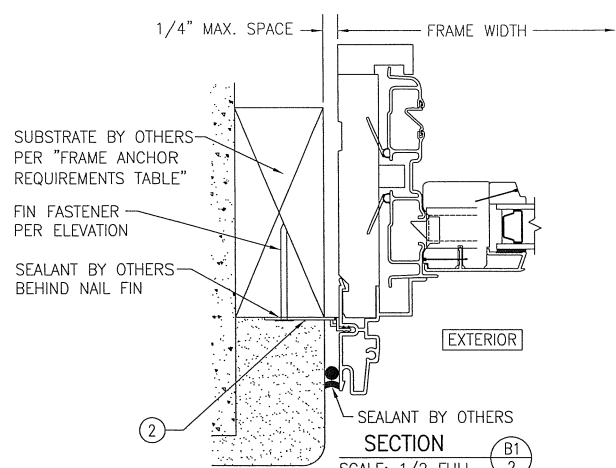
1 OF 3

REV.

F



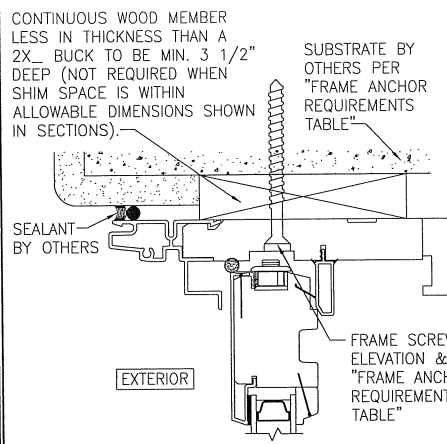
FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 3 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 3 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

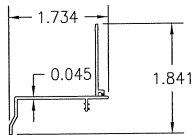
AUG 28 2013

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 02/09/04
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE: Pinnacle Aluminum Clad Wood Non-Impact Double Hung Window	
MANUFACTURER: WINDSOR WINDOWS & DOORS	
900 S. 19TH STREET	
WEST DES MOINES, IA 50265	
800-218-6186	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
7480 150TH COURT NORTH	
PALM BEACH GARDENS, FL 33418	
PHONE: 561-747-3424	
No. 44136	
STATE OF FLORIDA	
Professional Engineer	
DRAWING NO. 1267	REV. F
SHEET NO. 2	OF 3

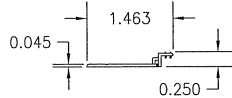


**OPTIONAL DIRECT MOUNT DETAIL
TO SUBSTRATE WITH SPACER**

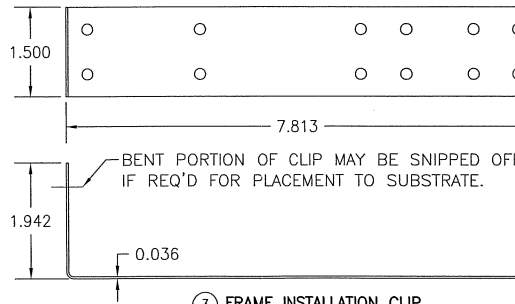
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



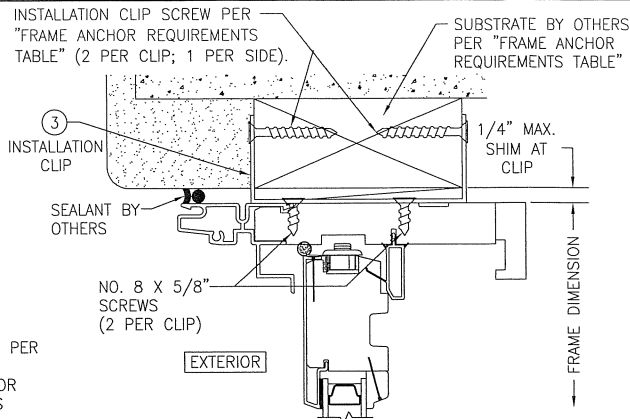
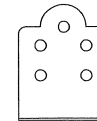
**① NAIL FIN (USABLE WITH
HEAD ONLY)**
(RIGID & FLEXIBLE PVC)



② NAIL FIN (USABLE WITH ALL SIDES)
(RIGID & FLEXIBLE PVC)

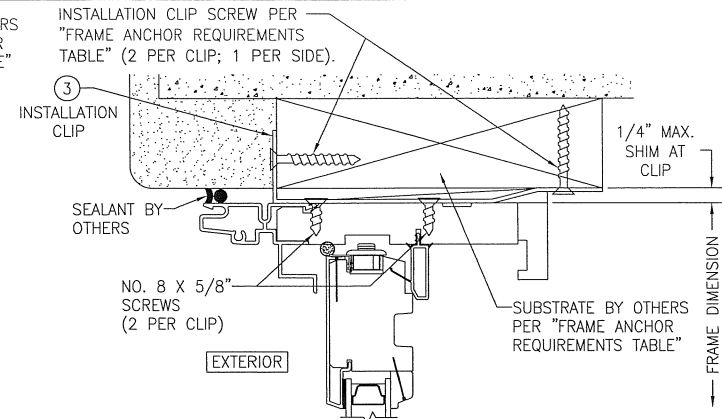


③ FRAME INSTALLATION CLIP
(33 KSI STEEL)



STANDARD INSTALLATION CLIP DETAIL

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



ALTERNATE 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: W.W.S.
PLOT: 1-2	DATE: 02/09/04
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE PINNACLE ALUMINUM CLAD WOOD NON-IMPACT DOUBLE HUNG WINDOW	
MANUFACTURER WINDSOR WINDOWS & DOORS 900 S. 19TH STREET WEST DES MOINES, IA 50265 800-218-6186	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH, 5418 PALM BEACH GARDENS, FL 33418 PHONE: 561-744-5464	
<div style="text-align: center;"> </div>	
DRAWING NO. 1267	REV. F
SHEET NO. 3	OF 3