

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 DOOR SYSTEM INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
4. ALL ANCHORS SECURING DOOR 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 DOORS SHOWN HEREIN ARE CERTIFIED & QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE 98-72 FLORIDA BUILDING COMMISSION SPECIFICATIONS. DOOR 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 DOOR 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 DOOR 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.
 - 4) THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCT'S CERTIFICATION SHALL CONTROL FOR THE INSTALLED DOOR.
8. THESE DRAWINGS CERTIFY THE DOOR INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED DOORS IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.
10. ALL WOOD MEMBERS OF WINDOWS 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 SECTION 2326.

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/HINGE/STRIKE/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME, SILL, STRIKE & HINGE SCREWS			
(1) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
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. 2500 PSI CONCRETE	(3) 1/4" CONCRETE SCREW	1 1/2"	2"

INSTALLATION CLIP SCREWS

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

(4) 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 3/4" X 11 GA. ROOFING NAIL	1 1/2"	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) 2X6 BUCK MAY BE RIPPED TO LESS THAN 5 1/2" IN DEPTH PROVIDING ALL SCREWS HAVE REQ'D EDGE DISTANCE.
- (2) CONCRETE SCREWS SHALL ONLY BE APPLICABLE AT THE SILL.
- (3) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- (4) WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.

HINGE REQUIREMENTS (ALL DOOR CONDITIONS)

FRAME HEIGHT	QUANTITY PER PANEL
OVER 82"	4
82" & LESS	3

SILL SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR REQUIREMENTS.

INTERIOR ELEVATION: DOUBLE DOOR

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

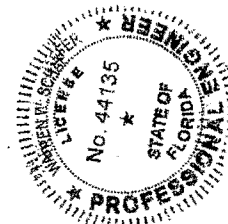
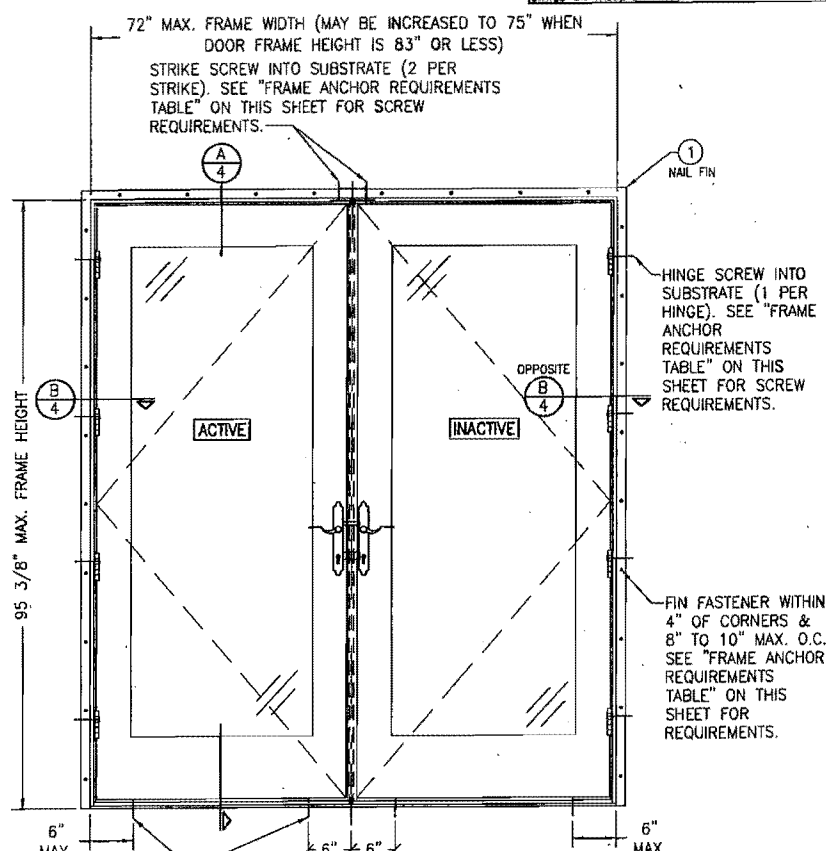
ALLOWABLE DESIGN PRESSURE
(ALL DOORS)

SEE FLORIDA APPROVAL

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.

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.S. CHECKED BY: W.S.
DATE: 07/26/07 DATE: 08/08/08
PLG: 1-16
NO. 1010
BY: WMS
REVISION DESCRIPTION
1.1 UPDATE FOR NEW TESTING
2.1 UPDATE FOR PRESENT STANDARDS
3.1 UPDATE FOR NEW TESTING
4.1 UPDATE FOR NEW TESTING



DRAWING TITLE: PINNACLE ALUMINUM CLAD WOOD NON-IMPACT IN-SWING DOORS

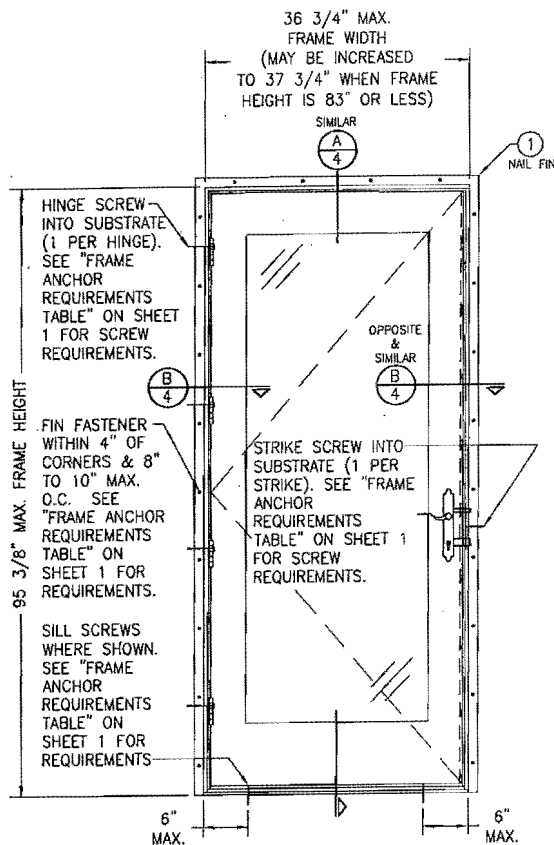
MANUFACTURER: WINDSOR WINDOWS & DOORS
900 S. 19TH STREET
WEST DES MOINES, IA 50265
800-218-6186

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
7460 150TH COURT NORTH
PALM BEACH, FLORIDA 33418
PHONE: 561-744-3344

CERTIFICATION

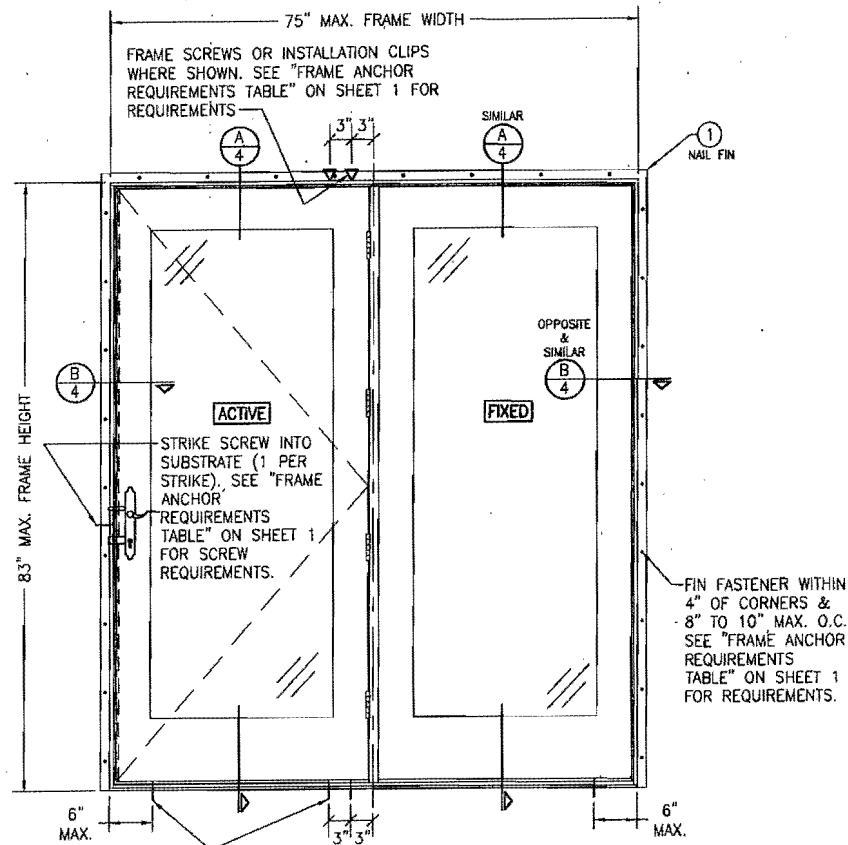
MAX 01 2011
W. W. SCHAEFER, P.E.
P.L. NO. 44135

DRAWING NO. 1491
SHEET NO. 1 OF 4



**INTERIOR ELEVATION:
SINGLE DOOR**
SCALE: 3/4"=1'-0"

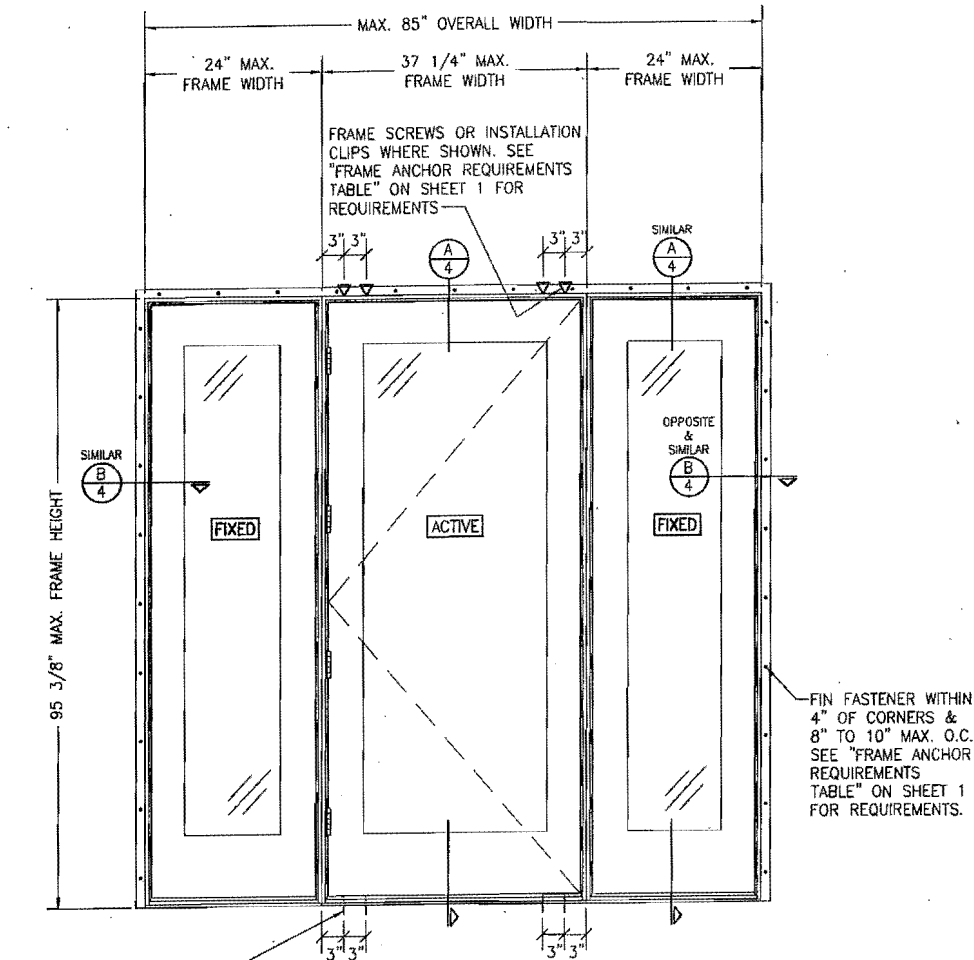
SILL SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.



**INTERIOR ELEVATION:
OX DOOR**
SCALE: 3/4"=1'-0"



DRAWN BY: W.S.A.		CHECKED BY: W.R.S.	
PLOT: 1=16		DATE: 09/06/06	
DATE	BY	NO.	REVISION DESCRIPTION
DRAWING TITLE: Pinnacle Aluminum Clad Wood Non-Impact In-Swing Doors			
CONSULTANTS:		MANUFACTURER:	
W. W. Schaefer Engineering & Consulting, P.A.		Windsor Windows & Doors	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		900 S. 19TH STREET WEST DES MOINES, IA 50265 800-218-6186	
CERTIFICATION:		MAR 01 2011	
W. W. Schaefer, P.E., No. 44135			
DRAWING NO. 1491		REV. D	
SHEET NO. 2		OF 4	

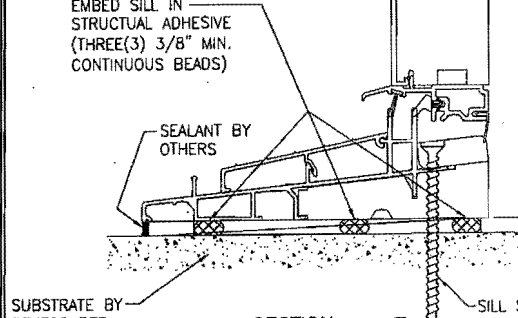
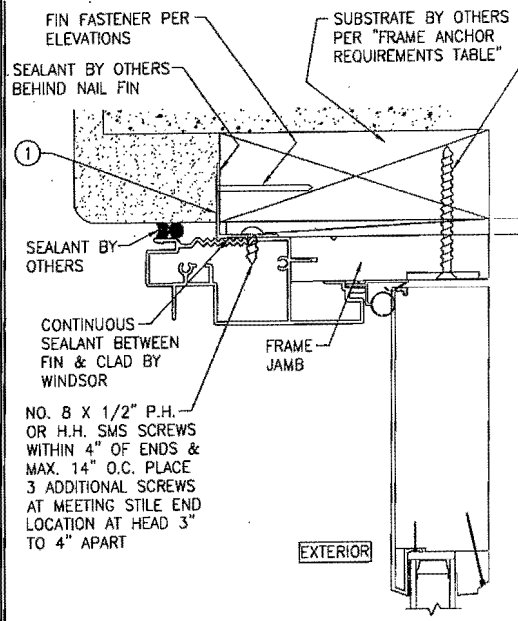


SILL SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

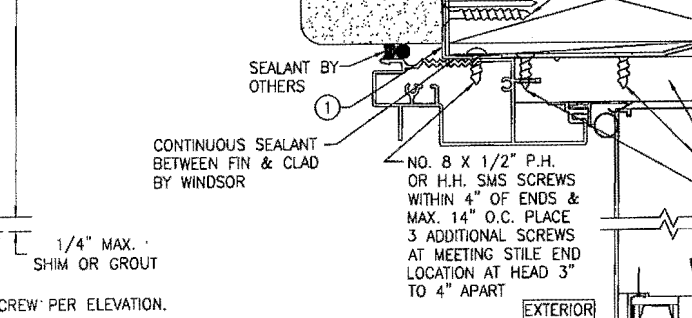
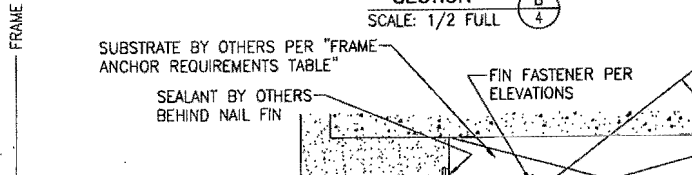
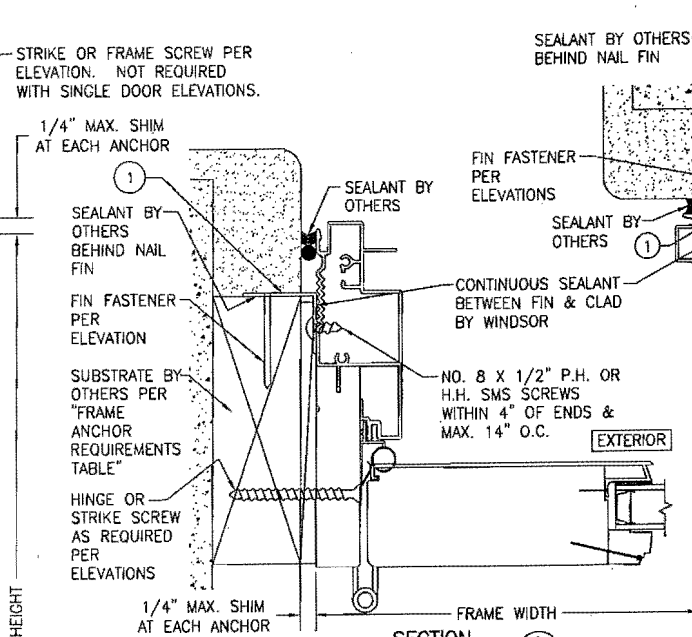
INTERIOR ELEVATION:
OXO DOOR
SCALE: 3/4"=1'-0"



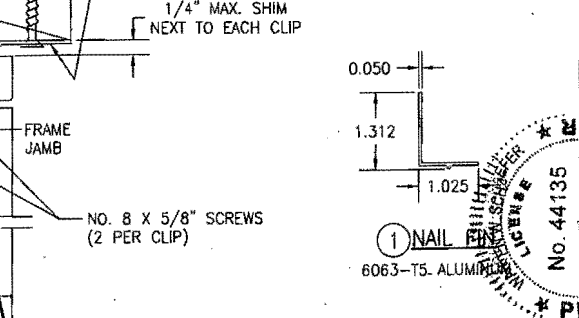
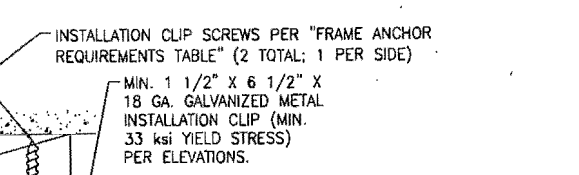
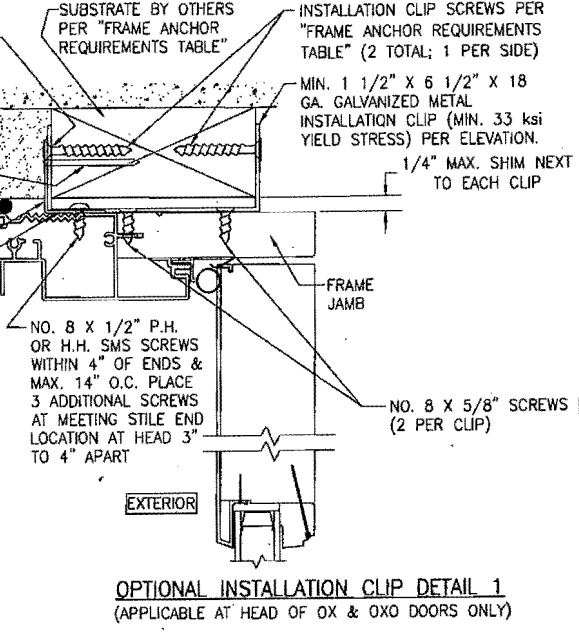
DRAWING TITLE		Pinnacle Aluminum Clad Wood Non-Impact In-Swing Doors	
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-18		DATE: 02/08/08	
DATE:			
BY:			
REVISION DESCRIPTION			
NO.			
CONSULTANTS		W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A. 7480 130TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
MANUFACTURER		WINDSOR WINDOWS & DOORS 900 S. 19TH STREET WEST DES MOINES, IA 50265 800-218-6186	
CERTIFICATION		MAR 09 2011 WARREN W. SCHAEFFER, P.E. P.E. NO. 44135	
DRAWING NO.		REV.	
1491		D	
SHEET NO.			
3 OF 4			



SECTION A
SCALE: 1/2 FULL



SECTION B
SCALE: 1/2 FULL



OPTIONAL INSTALLATION CLIP DETAIL 1
(APPLICABLE AT HEAD OF OX & OXO DOORS ONLY)



OPTIONAL INSTALLATION CLIP DETAIL 2
(APPLICABLE AT HEAD OF OX & OXO DOORS ONLY)

DRAWN BY: W.M.		CHECKED BY: W.M.	
PLOT: 1=2		DATE: 05/06/06	
NO.	REVISION	DESCRIPTION	BY
1			
<p>PINNACLE ALUMINUM CLAD WOOD NON-IMPACT IN-SWING DOORS</p> <p>MANUFACTURER</p> <p>WINDSOR WINDOWS & DOORS 900 S. 19TH STREET WEST DES MOINES, IA 50265 800-218-6186</p> <p>CONSULTANTS</p> <p>W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33416 PHONE: 561-744-3424</p>			
<p>CERTIFICATION</p> <p>STATE OF FLORIDA</p> <p>PROFESSIONAL ENGINEER</p> <p>W. W. SCHAEFER No. 44135 6063-T5. ALUMINUM</p>			
DRAWING NO.		REV.	
1491		D	
SHEET NO.		4 OF 4	