

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.

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.

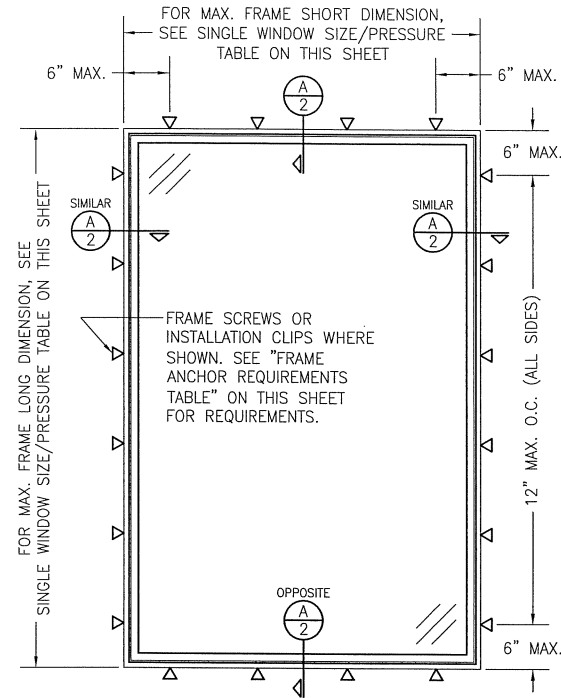
FRAME ANCHOR REQUIREMENTS TABLE

| OPENING TYPE (SUBSTRATE) | FRAME/CLIP/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 BENT CONDITION) | | | |
| MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55) | NO. 8 X 1 1/2" SMS | 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 STRAIGHT CONDITION) | | | |
| 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: W.B.M.
CHECKED BY: W.B.S.
PLOT: 1=16
DATE: 1/13/05



EXTERIOR ELEVATION:

SINGLE WINDOW

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

ALLOWABLE SINGLE WINDOW SIZE/PRESSURE TABLE

| MAXIMUM FRAME LONG DIMENSION (IN.) | MAXIMUM FRAME SHORT DIMENSION (IN.) | ALLOWABLE PRESSURE (+/- PSF) |
|--|---|------------------------------------|
| 102 | 60 | 55 |
| 48 | 72 | 65 |



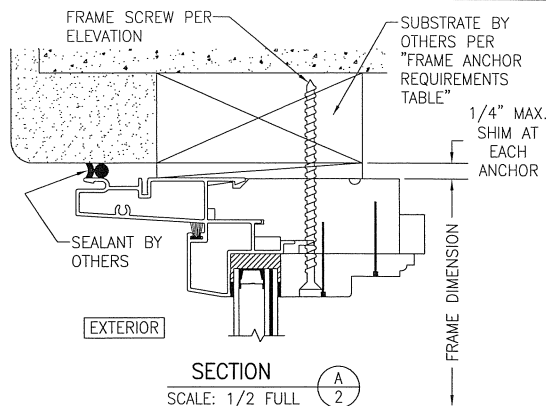
| NO. | REVISION | DESCRIPTION | BY | DATE |
|-----|-------------------------------|-------------|----------|------|
| A1 | UPDATE TO 2004 CODE COMPLIANT | WWS | 11/06/07 | |
| B1 | UPDATE PER NEW TESTING | WWS | 06/24/08 | |
| C1 | UPDATE TO PRESENT STANDARDS | WWS | 10/22/09 | |
| D1 | UPDATE PER NEW TESTING | WWS | 10/22/09 | |
| E1 | UPDATE FOR CURRENT TESTING | WWS | 10/09/13 | |

DRAWING TITLE: PINNACLE RECTANGULAR IMPACT DIRECT SET WINDOW
MANUFACTURER: WINDSOR WINDOWS & DOORS
900 S. 19TH STREET
WEST DES MOINES, IA 50265
800-218-6186

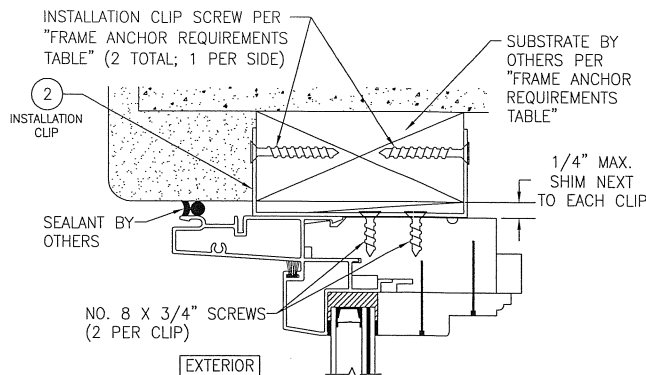
CONSULTANTS: W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)
7445 SOUTH COURTYARD, SUITE 13418
PALM BEACH, FL 33418
PHONE: 561-744-3424

CERTIFICATION: OCT 10 2013
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

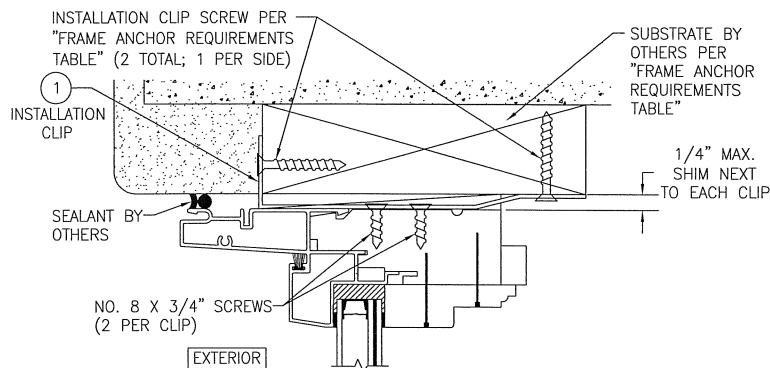
DRAWING NO. 1372
SHEET NO. 1 OF 2
REV. E



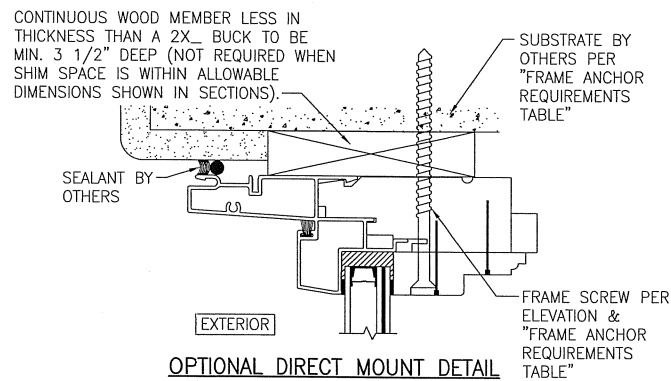
SECTION A
SCALE: 1/2 FULL
FRAME SCREW MOUNT SHOWN. SEE DETAILS ON THIS SHEET FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



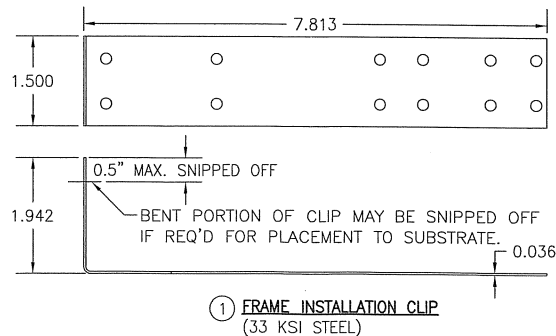
STANDARD INSTALLATION CLIP DETAIL
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



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



OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)



| | |
|--|---|
| DRAWN BY: S.T.R. | CHECKED BY: W.W.S. |
| PLOT: 1-2 | DATE: 1/13/05 |
| NO. | DATE |
| BY | |
| REVISION DESCRIPTION | |
| NO. | |
| DRAWING TITLE PINNACLE RECTANGULAR IMPACT DIRECT SET WINDOW | |
| CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) | MANUFACTURER WINDSOR WINDOWS & DOORS 102 MAIN STREET WEST DES MOINES, IA 50265 800-218-6186 |
| DRAWING NO. 1372 | |
| SHEET NO. 2 OF 2 | |
| REV. F | |
| OCT 09 2013 | |
| WARREN W. SCHAEFER, P.E. P.E. NO. 44135 | |

