



[BCIS Home](#)
[Log In](#)
[User Registration](#)
[Hot Topics](#)
[Submit Surcharge](#)
[Stats & Facts](#)
[Publications](#)
[FBC Staff](#)
[BCIS Site Map](#)
[Links](#)
[Search](#)



License efficiently. Regulate fairly.

[Product Approval Menu](#) > 
 [Product or Application Search](#) > 
 [Application List](#) > 
 [Application Detail](#)

**FL #** FL11732-R2  
**Application Type** Revision  
**Code Version** 2014  
**Application Status** Approved

**Comments**  
 Archived

**Product Manufacturer** Florida Shutters, Inc.  
**Address/Phone/Email** 1055 Commerce Avenue  
 Vero Beach, FL 32960  
 (772) 569-2200  
[info@floridashuttersinc.com](mailto:info@floridashuttersinc.com)

**Authorized Signature** Frank Bennardo  
[frank@engexp.com](mailto:frank@engexp.com)

**Technical Representative**  
**Address/Phone/Email**

**Quality Assurance Representative**  
**Address/Phone/Email**

**Category** Shutters  
**Subcategory** Storm Panels

**Compliance Method** Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer  
 Evaluation Report - Hardcopy Received

**Florida Engineer or Architect Name who developed the Evaluation Report** Frank L. Bennardo  
**Florida License** PE-0046549  
**Quality Assurance Entity** National Accreditation and Management Institute  
**Quality Assurance Contract Expiration Date** 12/31/2018  
**Validated By** Keith E. Lorinos, PE  
 Validation Checklist - Hardcopy Received

**Certificate of Independence** [FL11732 R2 COI Indep.pdf](#)

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM E1886	2005
	ASTM E1996	2006
	ASTM E330	2002

**Equivalence of Product Standards**  
**Certified By**

THIS ENGINEERING IS FOR THE EXCLUSIVE USE OF ITS OWNER, FLORIDA SHUTTERS, INC. IF THIS HAS BEEN SUBMITTED BY ANOTHER COMPANY IT MUST HAVE A NOTARIZED LETTER OF AUTHORIZATION REQUIRED FOR USE.

Sections from the Code

Product Approval Method Method 1 Option D

Date Submitted 02/20/2015

Date Validated 03/02/2015

Date Pending FBC Approval 03/09/2015

Date Approved 04/15/2015

Summary of Products

FL #	Model, Number or Name	Description
11732.1	0.050" Aluminum Storm Panel	0.050" Aluminum Storm Panel Non-HVHZ
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See Design Schedule for Design Pressures		<b>Installation Instructions</b> <a href="#">FL11732 R2 II Dwg.pdf</a> Verified By: Frank L. Bennardo PE0046549 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11732 R2 AE Eval.pdf</a> Created by Independent Third Party: Yes

[Back](#) [Next](#)

Contact Us :: 1940 North Monroe Street, Tallahassee, FL 32399 Phone: 850-487-1824

The State of Florida is an AA/EEO employer. Copyright 2007-2013 State of Florida. :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395

\*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However, email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please [click here](#).

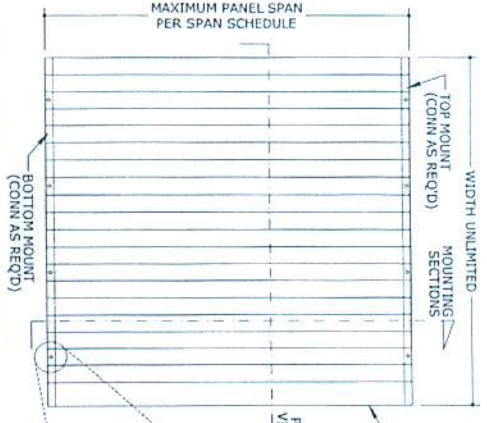
Product Approval Accepts:



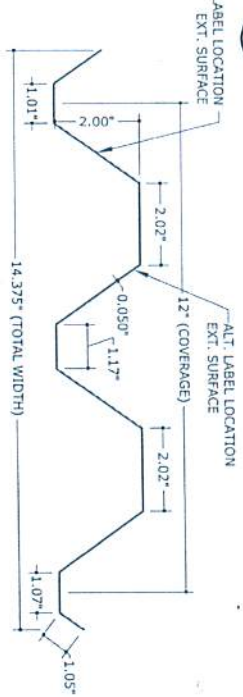
Security Metrics for PCI Compliance, DSA, IDS, Penetration Testing, Forensics, and Vulnerability Assessment

THIS ENGINEERING IS FOR THE EXCLUSIVE USE OF ITS OWNER, FLORIDA SUBMITTERS INC. IF THIS HAS BEEN SUBMITTED BY ANOTHER COMPANY IT MUST HAVE AN AUTHORIZED LETTER OF AUTHORIZATION REQUIRED FOR USE.

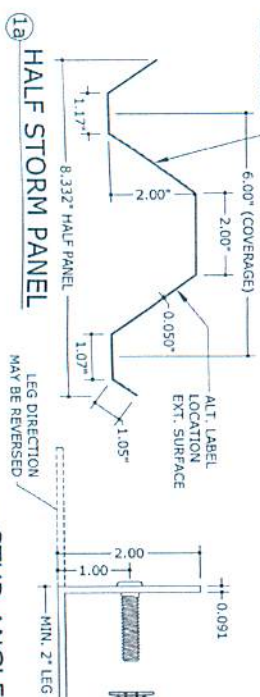
# 0.050" ALUMINUM STORM PANEL NON-HVHZ



1 TYPICAL ELEVATION  
N.T.S.



1 STORM PANEL



1a HALF STORM PANEL

4 STUD ANGLE

4a ALT. STUD ANGLE

7 "F" TRACK

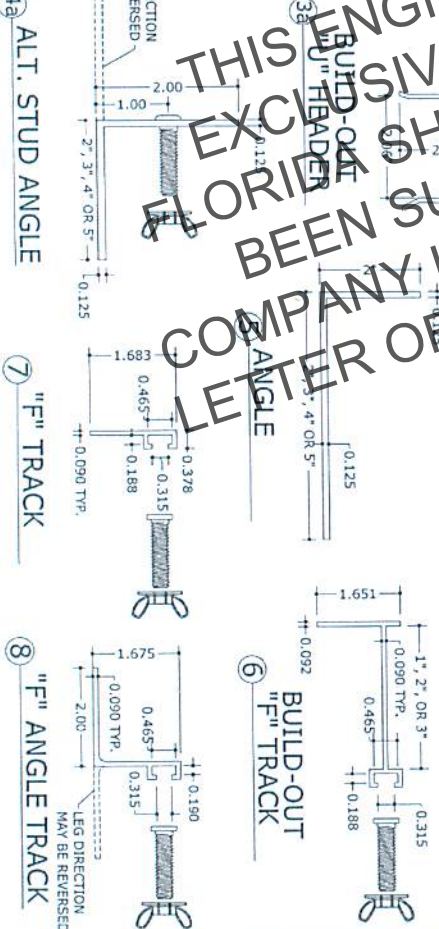
8 "F" ANGLE TRACK

4

THIS ENGINEERING IS FOR THE EXCLUSIVE USE OF ITS OWNER, FLORIDA SHUTTERS, INC. IF THIS HAS BEEN SUBMITTED BY ANOTHER COMPANY IT MUST HAVE A NOTARIZED LETTER OF AUTHORIZATION REQUIRED FOR USE.

**GENERAL NOTES**

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE FIFTH EDITION (2014) FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, PER ASCE 7-10, E1988, AND E1996 STANDARDS.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM FOR DESIGN WIND LOAD DURATION FACTOR CD=1.0 HAS BEEN USED.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED PER SEPARATE ENGINEERING IN ACCORDANCE WITH THE GOVERNING CODE. PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-10 AND CHAPTER 619 OF THE FLORIDA BUILDING CODE FIFTH EDITION (2014) SHALL BE MAINTAINED EQUAL TO THE POSITIVE AND NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN.
4. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
5. MULTIPLE UNITS MAY BE INSTALLED TO UNLIMITED WIDTH AS SHOWN.
6. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT DIFFER FROM THE SYSTEM DETAILED HEREIN. A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
7. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS.
8. ALL STORM PANELS SHALL BE 5052-H32 ALUMINUM ALLOY AND HAVE A MINIMUM THICKNESS T=0.050".
9. WIND BLENDE EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.
10. UNLESS NOTED OTHERWISE, FASTENERS TO BE 38-8 SERIES 300 NON-MAGNETIC STAINLESS STEEL, SAE GRADE 5, OR CADMIUM PLATED OR OTHER WEAR CORROSION RESISTANT MATERIAL AND SHALL COMPLY WITH 5.1.1C, SECTION 5.1, THE ALUMINUM ASSOCIATION, INC., & APPLICATIONS TO BE USED AS AN END PANEL TO CLOSE THE REMAINING OPENING THAT MAY BE LESS THAN FULL PANEL WIDTH.
11. THE REMAINING OPENING THAT MAY BE LESS THAN FULL PANEL WIDTH PER PANEL CONTAINING THE FOLLOWING:  
FLORIDA SHUTTERS, INC.  
VERO BEACH, FLORIDA, USA  
FLORIDA STATEWIDE APPROVED
12. PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL HORIZONTALLY AS APPLICABLE.
13. TOP AND BOTTOM STAINLESS STEEL HEADERS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY AS APPLICABLE.
14. USE OF KEYHOLE WASHERS IS OPTIONAL IN CONJUNCTION WITH ANY MOUNTING CONDITION. WASHERED WINGNUTS SHALL HAVE 0.0625" MINIMUM WASHER DIAMETER. WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI.
15. ALL BOLTS & NUTS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI.
16. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED AS PRESCRIBED IN THE ABOVE-NOTED BUILDING CODE.



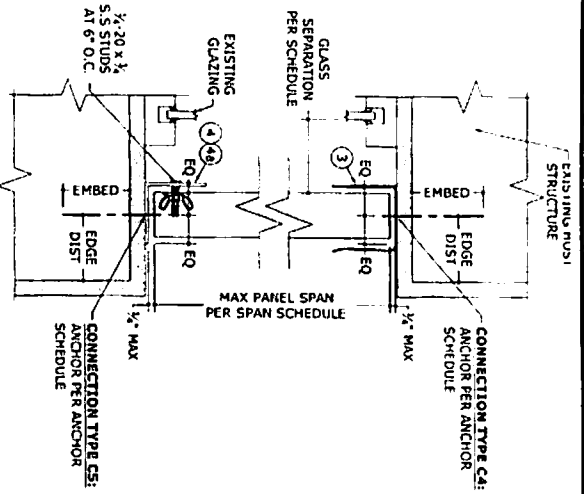
REMARKS	DRWN	CHKD	DATE
INIT ISSUE	RKB	CL	11/11/06
2010 FBC	FLB	FLB	04/26/12
REV 1014FBC (07-FSH-0001)	RWN	CSL	02/03/15

SCALE: 14-1958  
PAGE DESCRIPTION:

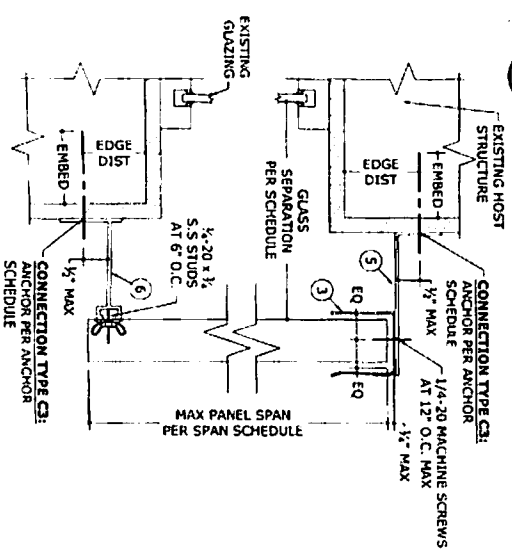
**FLORIDA SHUTTERS, INC.**  
1055 COMMERCE AVENUE  
VERO BEACH, FL 32960  
PHONE: (772) 569 - 2200 FAX: (772) 567 - 3674  
0.050" ALUMINUM STORM PANELS  
NON-HVHZ  
FLORIDA STATEWIDE APPROVAL FL11732.1

**ENGINEERING EXPRESS**  
160 SW 12th AVENUE #106  
DEERFIELD BEACH, FL 33442  
Pk: (954) 354-0660 FAX: (954) 354-0643  
WWW.ENGEXP.COM  
FRANK L. BERNHARD, P.E., INC. INNOVATION

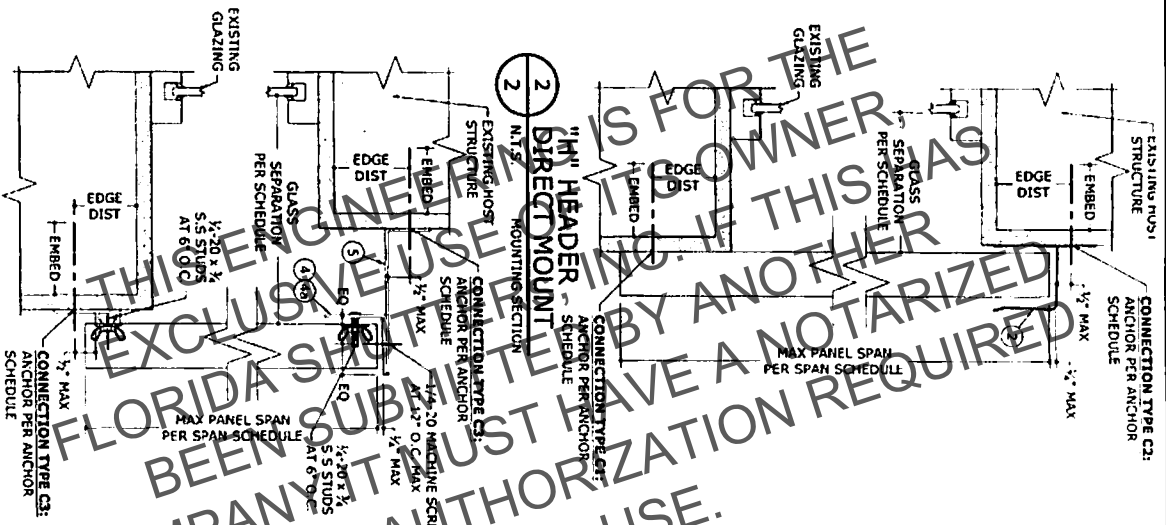




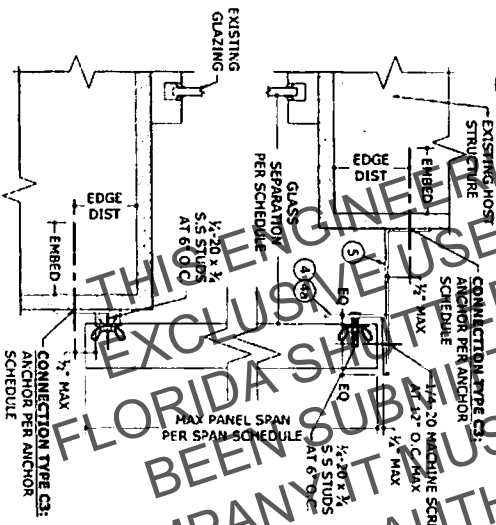
**1**  
"U" HEADER  
STUDDED ANGLE  
2 N.T.S.  
MOUNTING SECTION



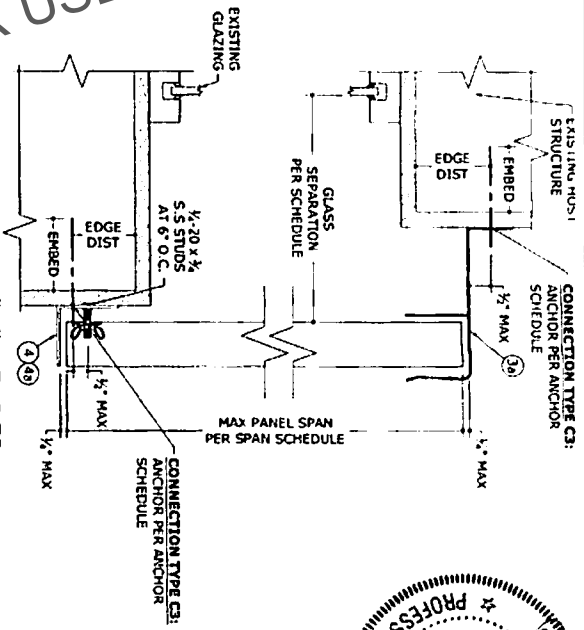
**4**  
2"X5" + "U" HEADER  
BUILD-OUT F-TRACK  
2 N.T.S.  
MOUNTING SECTION



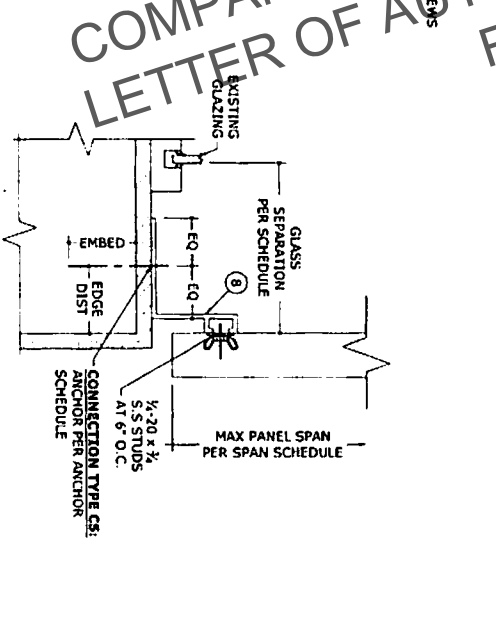
**2**  
"U" HEADER  
STUDDED ANGLE  
2 N.T.S.  
MOUNTING SECTION



**5**  
2"X5" + STUDDED ANGLE  
F-TRACK  
2 N.T.S.  
MOUNTING SECTION

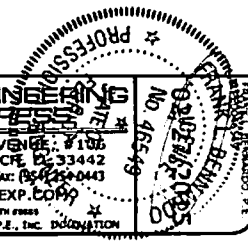


**3**  
BUILD-OUT "U" HEADER  
STUDDED ANGLE  
2 N.T.S.  
MOUNTING SECTION



**6**  
DIRECT MOUNT  
F-ANGLE TRACK  
2 N.T.S.  
MOUNTING SECTION

THIS ENGINEERING IS FOR THE EXCLUSIVE USE OF THE OWNER. IT HAS BEEN SUBMITTED BY ANOTHER COMPANY AND MUST HAVE A NOTARIZED LETTER OF AUTHORIZATION REQUIRED FOR USE.



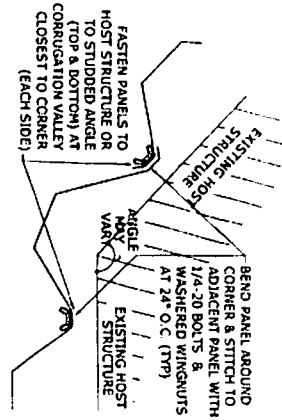
**FLORIDA SHUTTERS, INC.**  
1055 COMMERCE AVENUE  
VERO BEACH, FL 32960  
PHONE: (772) 569 - 2200 FAX: (772) 567 - 3674  
0.050" ALUMINUM STORM PANELS  
NON-HVHZ  
FLORIDA STATEWIDE APPROVAL FL1732.1

**ENGINEERING EXPERTS**  
160 SW 12th AVENUE, #106  
DEERFIELD BEACH, FL 33442  
Ph: (954) 354-0660 Fax: (954) 354-0443  
WWW.ENGEXP.COM  
CERT OF AUTH ENGERS  
A FRANK L. DENARDO, P.E., INC. DOCUMENT

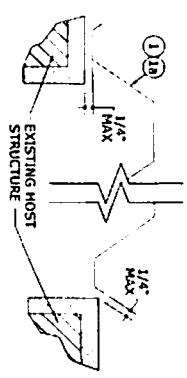
REVISION	DATE	BY	CHKD	DATE
01	11/11/09	FLD	FLB	
02	04/25/12	FLD	FLB	
03	02/27/15	FLD	FLB	

REMARKS:  
14-1958  
07-2013  
FSA-UPDATE  
FL1732

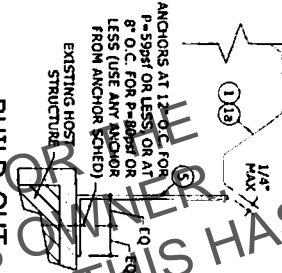
2



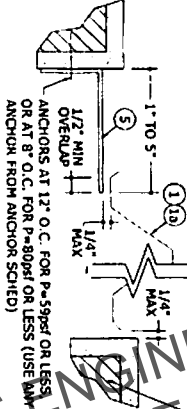
1 CORNER CLOSURE  
PLAN VIEW  
4 N.T.S.



3 WALL MOUNT CLOSURE  
PLAN VIEW  
4 N.T.S.



2 BUILDOUT CLOSURE  
PLAN VIEW  
4 N.T.S.



4 TRAP MOUNT CLOSURE  
PLAN VIEW  
4 N.T.S.

THIS ENGINEERING IS THE EXCLUSIVE PROPERTY OF FLORIDA SHUTTERS, INC. IF THIS HAS BEEN SUBMITTED BY ANOTHER COMPANY IT MUST BE A NOTARIZED LETTER OF AUTHORIZATION REQUIRED.

**SPAN SCHEDULE:**

ALLOWABLE PRESSURES	MAX PANEL SPAN
30 psf	134.0 in
35 psf	130.1 in
40 psf	121.7 in
45 psf	114.8 in
50 psf	103.9 in
55 psf	103.8 in
60 psf	99.4 in
65 psf	95.1 in
70 psf	89.1 in
75 psf	83.1 in
80 psf	78.0 in

**SPAN SCHEDULE NOTES:**

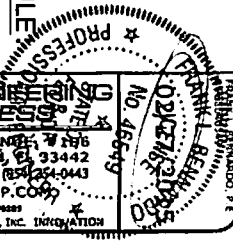
1. SPANS SHOWN IN SPAN SCHEDULE ABOVE ARE MAXIMUM ALLOWABLE SPANS AT EACH RESPECTIVE DESIGN PRESSURE. THIS SCHEDULE MUST BE USED FOR ALL PANELS MOUNTED WITH ANY COMBINATION OF ATTRIBUTES OR DIRECTLY TO HOST STRUCTURE. 2. PANELS SHOULD BE MOUNTED HORIZONTALLY OR VERTICALLY.

**GLASS SEPARATION SCHEDULE**

POSITIVE DESIGN LOAD	MAX PANEL SPAN	INSTALLATIONS LESS THAN 20' ABOVE GRADE	INSTALLATIONS GREATER THAN 20' ABOVE GRADE
30 PSF	6'-6"	5'-2"	1'-8"
40 PSF	6'-6"	6'-0"	1'-8"
50 PSF	6'-6"	5'-2"	1'-8"
60 PSF	6'-6"	6'-0"	1'-8"
70 PSF	6'-6"	5'-2"	1'-8"
80 PSF	6'-6"	6'-0"	1'-8"

**GLASS SEPARATION SCHEDULE NOTES:**

1. ENTER GLASS SEPARATION SCHEDULE WITH POSITIVE DESIGN LOAD TO DETERMINE MINIMUM ALLOWABLE SEPARATION FROM FENESTRATION TO BE PROTECTED.
2. SCHEDULE IS REQUIRED FOR USE WITH POSITIVE LOADS ONLY FOR SPANS OR PRESSURES BETWEEN THOSE SHOWN. USE NEXT HIGHER VALUE.
3. FOR INSTALLATIONS OUTSIDE ESSENTIAL FACILITIES, AND OUTSIDE OF ASTM WIND ZONE 4, THE GLASS SEPARATION SCHEDULE IS NOT REQUIRED AND NO MINIMUM SEPARATION FROM THE PROTECTED OPENING IS REQUIRED.



**FLORIDA SHUTTERS, INC.**  
 1055 COMMERCE AVENUE  
 VERO BEACH, FL 32960  
 PHONE: (772) 569 - 2200 FAX: (772) 567 - 3674  
 0.050" ALUMINUM STORM PANELS  
 NON-HVHZ  
 FLORIDA STATEWIDE APPROVAL FL11732.1

**ENGINEERING EXPERTS**  
 160 SW 12th Avenue, Suite 206  
 DEERFIELD BEACH, FL 33442  
 Ph: (954) 354-0660 Fax: (954) 354-0443  
 WWW.ENGGXP.COM  
 CERT OF AUTH #8883  
 A FRANK L. BERNARDO, P.E., INC. INFORMATION

REVISION	BY	CHKD	DATE
01	FLD	FLD	04/26/12
02	FLD	FLD	02/03/13
03	FLD	FLD	02/03/13

14-1958  
 PANEL PRESENTATION

3

HOST STRUCT.	ANCHOR	3-1/2" MIN EDGE DISTANCE															
		Spans up to 4'-0"			Spans up to 6'-8"			Spans up to 8'-0"			Spans up to 11'-2"						
LOAD (PSF)		C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	
WOOD	1/2" ITW TAPCON S.S. OR 1/4" WOOD SCREW WITH 1 1/2" MIN EMBED	35	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		45	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		55	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		65	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		85	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		85	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		85	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		85	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		85	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
85	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"		
HOLLOW BLOCK	1/2" ITW TAPCON S.S. WITH 1 1/2" MIN EMBED	35	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		45	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		55	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		65	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
CONCRETE	1/2" ITW TAPCON S.S. WITH 1 1/2" MIN EMBED (319299A MIN CONC)	35	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		45	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		55	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		65	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"
		80	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"	6.0"	12.0"	12.0"	12.0"	12.0"

FLORIDA SHUTTERS, INC. HAS BEEN SUBMITTED FOR AUTHORIZATION REQUIREMENTS. LETTER OF AUTHORIZATION REQUIRED FOR INSTALLATION.

**ANCHOR NOTES:**

1. ITW TAPCONS SHALL BE 410 S.S. MIN. ALL OTHER ANCHORS LISTED HEREIN SHALL BE IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS.
2. TAPCONS SHALL BE MANUFACTURED BY ITW. ELCO PANELMATE ANCHORS FOR USE IN CONCRETE OR HOLLOW BLOCK SHALL BE FEMALE ONLY.
3. ENSURE MINIMUM 2-1/2" EDGE DISTANCE FOR ALL ANCHORS TO NON-CRACKED CONCRETE & TO HOLLOW BLOCK, UNLESS NOTED OTHERWISE.
4. WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (I.E. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING).
5. WOOD HOST STRUCTURE SHALL BE SOUTHERN PINE - G-0.55 OR GREATER DENSITY.
6. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
7. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
8. MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFFER HEAD ("SIDEWALK BOLT") U.N. 0.
9. DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE FOR USE.
10. DESIGNATES ANCHORS WHICH ARE REMOVABLE AND MAY BE USED FOR DIRECT MOUNT INSTALLATIONS.

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

DATE: 04/20/15

PROJECT: 14-1958

REMARKS: THE DOCUMENT IS THE PROPERTY OF FLORIDA SHUTTERS, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS TO BE RETURNED TO THE COMPANY UPON COMPLETION OF THE PROJECT AND NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF FLORIDA SHUTTERS, INC.

**FLORIDA SHUTTERS, INC.**  
 1055 COMMERCE AVENUE  
 VERO BEACH, FL 32960  
 PHONE: (772) 569-2200 FAX: (772) 567-3674  
 0.050" ALUMINUM STORM PANELS  
 NON-HVHZ  
 FLORIDA STATEWIDE APPROVAL FL11732.1

**ENGEXP**  
 PROFESSIONAL ENGINEER  
 No. 48349  
 FRANK L. BEKARDO, P.E.  
 160 SW 12th Ave., #106  
 DEERFIELD BEACH, FL 33442  
 Ph: (954) 354-0660 Fax: (954) 354-0443  
 WWW.ENGEXP.COM  
 A FRANK L. BEKARDO, P.E., INC. INNOVATION