

MIAMI-DADE COUNTY, FLORIDA METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Florida Storm Panel Supply, LLC 14475 N. W. 26th Avenue Opa Locka, Florida 33054

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 0.060" Aluminum Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. KC22-0308, titled "0.060" Aluminum Storm Panel ", sheets 1 through 5 of 5, prepared by Knezevich Consulting, LLC, dated November 22, 2022, signed and sealed by J.W. Knezevich, P.E., on 07/12/23, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 22-1108.02 and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMI-DADE COUNTY APPROVED

Heg A.M. W 09/21/2023 NOA No 23-0720.07 Expiration Date: 12/29/2027

Approval Date: 09/21/2023

Page 1

Florida Storm Panel Supply, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 96-0304.01

A. DRAWINGS

1. Drawing No. 95-549, Florida Storm Panels, Inc. Storm Panel, Sheets 1 through 4 of 4 prepared by Knezevich & Associates Inc., dated 01/04/96, Revision No. 2, dated 06/06/96, signed and sealed by V.J. Knezevich, P.E.

B. TESTS

1. Test report on: Uniform Static Air Pressure Test, Impact Test, and Cyclic Wind Load Test prepared by Construction Testing Corporation, Report No. CTC-95-036, dated November 14, 1995, signed and sealed by Christopher G. Tyson, P.E.

C. CALCULATIONS

1. Comparative analysis and anchor calculations, dated 12/18/95, prepared by Knezevich & Associates Inc., signed and sealed by V.J. Knezevich, P.E.

D. MATERIAL CERTIFICATIONS

- 1. Mill Certified Inspection Reports issued by MSC Metals, dated 09/29/95.
- 2. Certified Tensile Test Report issued by QC Metallurgical, Inc., QCM Job No. 5KM-2636, dated November 15,1995, signed and sealed by James Roese, P.E.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 99-0726.01

A. DRAWINGS

1. Drawing No. 99-230, titled "0.060" Aluminum Storm Panel", prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E., dated July 19, 1999, last revision #2 dated August 5, 1999, sheets 1 through 4 of 4.

B. TESTS

1. None. See Product Approval # 96-0304.01.

C. CALCULATIONS

1. Anchor Calculations and details for 0.060" Aluminum Storm Panels, dated July 20, 1999, pages 1 through 28, prepared by Knezevich & Associates, Inc., signed and sealed by V.J. Knezevich, P.E.

D. MATERIAL CERTIFICATIONS

1. None. See Product Approval # 96-0304.01.

Product Control Section Supervisor

NOA No 23-0720.07 Expiration Date: 12/29/2027 Approval Date: 09/21/2023

E-1

Florida Storm Panel Supply, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-0531.05

- A. **DRAWINGS**
 - Drawing No. 99-230, titled "0.060" Aluminum Storm Panel", sheets 1 through 4 1. of 4, prepared by Knezevich & Associates, Inc., dated July 19, 1999, last revision #4 dated May 23, 2002, signed and sealed by V. J. Knezevich, P.E.
- B. **TESTS**
 - 1. None.
- C. **CALCULATIONS**
 - 1. None.
- D. **MATERIAL CERTIFICATIONS**
 - 1. None.
- 4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-0826.06
- A. **DRAWINGS**
 - 1. None.
- В. **TESTS**
 - 1. None.
- C. **CALCULATIONS**
 - None. 1.
- D. **MATERIAL CERTIFICATIONS**
 - None. 1,
- EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 22-1108.02 5.
- **DRAWINGS** A.
 - Drawing No. KC22-0308, titled "0.060" Aluminum Storm Panel", sheets 1 1. through 5 of 5, prepared by Knezevich Consulting, LLC, dated November 22, 2022, signed and sealed by J.W. Knezevich, P.E.
- **TESTS** В.
 - 1. None.

Helmy A. Makar, P. E.

Helmy A. Makar, P. E. Product Control Section Supervisor

NOA No 23-0720.07

Expiration Date: 12/29/2027 **Approval Date: 09/21/2023**

Florida Storm Panel Supply, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Comparative analysis and anchor calculations, dated 11/02/2022, prepared by Knezevich Consulting, LLC, signed and sealed by J.W. Knezevich, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. None.

F. OTHERS

1. Compliance letter prepared by Knezevich Consulting, LLC, signed and sealed by J.W. Knezevich, P.E., on 11/02/2022, certify compliance with the FBC, 2020 Edition.

6. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. KC22-0308, titled "0.060" Aluminum Storm Panel ", sheets 1 through 5 of 5, prepared by Knezevich Consulting, LLC, dated November 22, 2022, signed and sealed by J.W. Knezevich, P.E., on 07/12/23.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. None.

F. OTHERS

1. Compliance letter prepared by Knezevich Consulting, LLC, signed and sealed by J.W. Knezevich, P.E., on 07/12/2023, certify compliance with the FBC, 2020 Edition and 2023 Edition.

Helmy A. Makar, P. E. Product Control Section Supervisor

Product Control Section Supervisor NOA No 23-0720.07

Expiration Date: 12/29/2027 Approval Date: 09/21/2023

GENERAL NOTES:

- This Product Evaluation Document (PED) represents a Large Missile Impact Protective Shutter System analyzed and tested in accordance with the provisions set forth for the issuance of a Notice of Acceptance (NOA) by Miami-Dade Department of Regulatory and Economic Resources, Product Control Section. This system is designed and tested in accordance with the Florida Building Code, Building, 7th Edition (2020) & 8th Edition (2023) for use within and outside of the High Velocity Hurricane Zone.
- Product performance testing was conducted in accordance with TAS 201, TAS 202, &
- Determine the Positive and Negative Design Loads to use when referencing these documents in accordance with FBC Section 1609 for Non-HVHZ & FBC Section 1620 for the HVHZ utilizing Allowable Stress Design (ASD) load factors, ie. calculated wind loads shall be multiplied by the load factor 0.6 before referencing these documents.
- For wind load calculations, a Directionality Factor of Kd = 0.85 may be used.
- No allowable stress increase is utilized in the design of this system; however, a wind load duration factor of Cd = 1.6 is used for screws designed per NDS.
- These PEDs are generic and do not include information prepared for application of this system to a specific site.
- These PEDs are suitable to be applied by the Contractor provided the Contractor does not deviate from the conditions detailed herein and the Contractor verifies that the existing structure does not deviate in either form or material from the structural substrates detailed herein.
- The Contractor shall verify the adequacy of the existing structure to sustain the shutter superimposed loads.
- Any modifications or additions to these PEDs will void the documents.
- 10. When site conditions deviate from the PEDs, the Building Official may elect one of the following options:
 - Require that site specific documents justifying the deviation be prepared, signed, dated, and sealed by a licensed engineer or registered architect and submitted to the Product Engineer for review prior to the Building Official approving the
 - Require that a one-time site specific approval be appled for and obtained from Miami-Dade's Product Control Section.

Within the HVHZ, only Option B is acceptable

11. Each panel of the assembly shall be permanently labeled within 12" of one end of the panel with a minimum of one marking per panel with the following minimum information:

Florida Storm Panel Supply

Opa Locka, FL

Miami-Dade County Product Control Approved

- 12. Aluminum storm panels shall be 3003-H14 aluminum alloy, 0.060" thick, with a minimum Fy = 21 ksi before rolling.
- 13. All bolts and washers shall be galvanized or stainless steel with a min tensile strength of
- 14. All extrusions shall be 6063-T6 aluminum alloy, u.o.n.
- Top and bottom details may be interchanged as field conditions require. Panels may be mounted horizontally where applicable. "h" & "U" headers may not be used for horizontal mounting conditions.
- Tracks may be removable provided removable anchors are used.
- 17. If panel overlaps opening by 1.5 times the gap between the wall and panel, no side closures are required.
- Panels shall be fastened at overlaps (12.5" o.c.) at midspan w/ $1/4-20 \times 1$ " machine bolts with die cast aluminum washered wingnuts or jacknuts (See Typical Elevation 15).

Panels utilizing a steel tube to reduce deflection shall be fastened to overlaps at midspan to a $1" \times 1" \times 16$ gage steel tube using $1/4-20 \times 3.5"$ bolts w/ die cast aluminum washered wingnuts or jacknuts (See Typical Elevation 15).

For panels less than 33", overlap fasteners & tube are not required.

At least one warning note per opening shall be placed in a conspicuous location on any of the components of the storm panel system advising the home owner or tenant that the storm panels will not offer hurricane protection unless all reinforcing bolts and/or tubes are properly installed when required. Warning label shall be fastened mechanically or with permanent adhesive.

Table 1	
STORM PAN	EL SPAN SCHEDULE
NEGATIVE WIND LOAD W	OVERLAP FASTENERS OR REINFORCING TUBE REQUIRED.
(psf)	MAX. PANEL LENGTH
40	8' - 5"
50	8' - 5"
60	8' - 5"
70	7' - 3"
80	6' - 4"
90	5' - 8"
100	6' - 4"
110	5' - 9"
120	5' - 3"
130	4' - 11"
140	4' - 6"
150	4' - 3"
160	3' - 11"
170	3' - 9"
180	3' - 6"
190	3' - 4"
200	3' - 2"

Table 2

MIN. STORM PANEL **SEPARATION FROM GLASS SCHEDULE**

POSITIVE DESIGN WIND LOAD	ACTUAL SHUTTER SPAN	SEPARAT INSTALI 30' OI	MUM TION FOR ATIONS R LESS GRADE	MINIMUM SEPARATION FOR INSTALLATIONS GREATER THAN 30' ABOVE GRADE					
w (psf)	L	MIDSPAN BAR	MIDSPAN BOLTS	ALL CONDITIONS					
	4' - 0''			1-1/8"					
	5' - 0"			1-1/8"					
40	6' - 0''	2-1/4"	3"	1-1/4"					
	7' - 0"			1-1/2"					
	8' - 5"			2"					
	4' - 0''			1-1/8"					
	5' - 0''			1-1/4"					
50	6' - 0''	2-1/4"	3"	1-3/8"					
	7' - 0''			1-5/8"					
	8' - 5"			2-1/4"					
	4' - 0''			1-1/8"					
	5' - 0''	2-1/4"	3"	1-1/4"					
60	6' - 0''	2 1/7	3	1-3/8"					
	7' - 0''			1-3/4"					
	8' - 5"	2-3/8"	3"	2-3/8"					
	3' - 0"			1-1/8"					
	4' - 0''			1-1/8"					
70	5' - 0"	2-1/4"	3"	1-1/4"					
"	6' - 0''	Z-1/4	3	1-1/2"					
	7' - 0''			1-7/8"					
	7' - 3"			2"					

PRODUCT REVISED as complying with the Florida

KNEZEVICH CONSULTING, 1600 S. Federal Hwy., Suite 961 Pompano Beach, Fl. 33062 T 954,772.6224 * COA 27988

Panel Supply Florida Storm

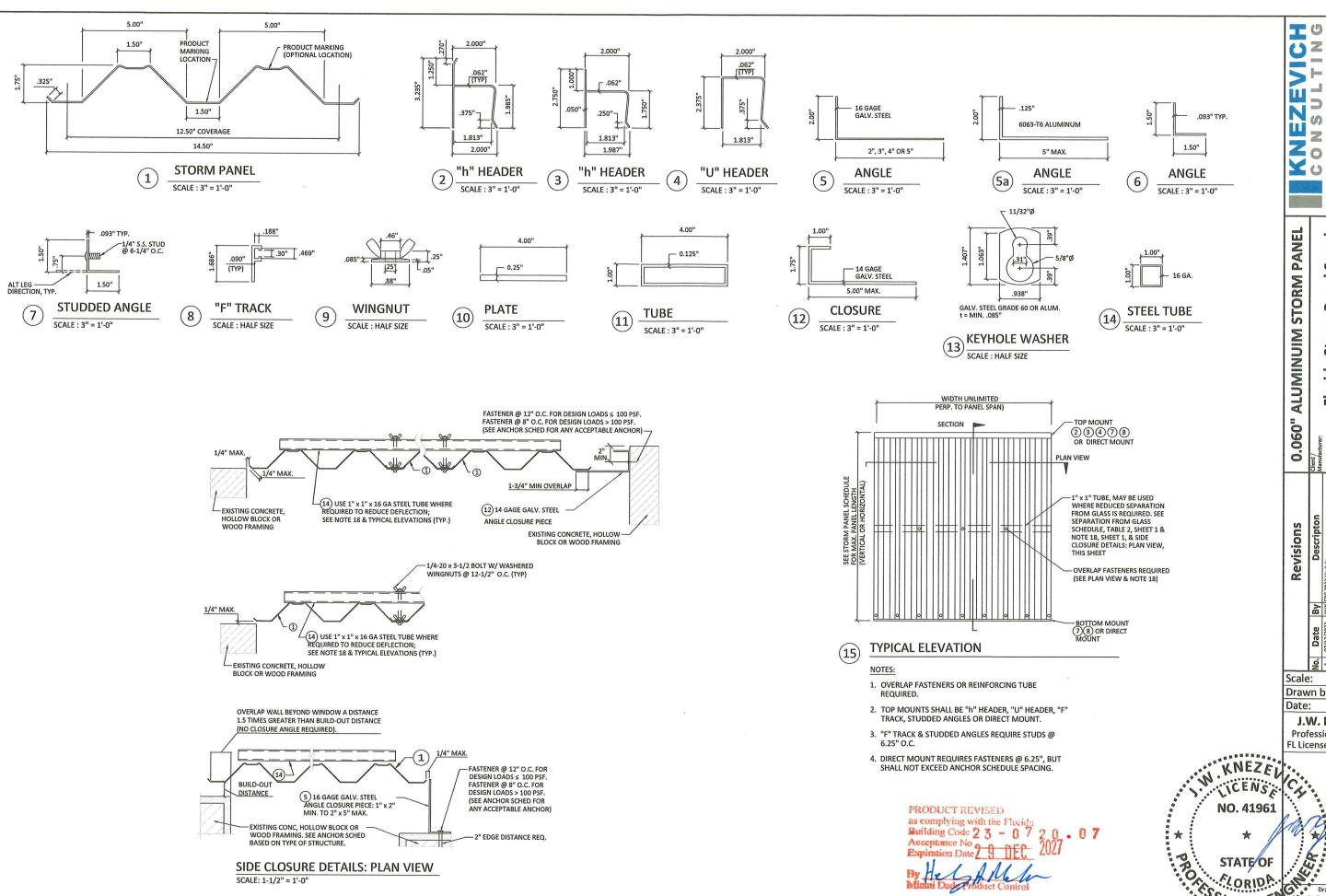
U

ALUMINUIM STORM PANEL 0.060"

Scale: AS NOTED Drawn by: 11/22/2022 Date:

J.W. Knezevich **Professional Engineer** FL License No. PE 4196:

SSIONALET KC22-0308



KNEZEVICH CONSULTING, 1600 S. Federal Hwy., Suite 961 Z

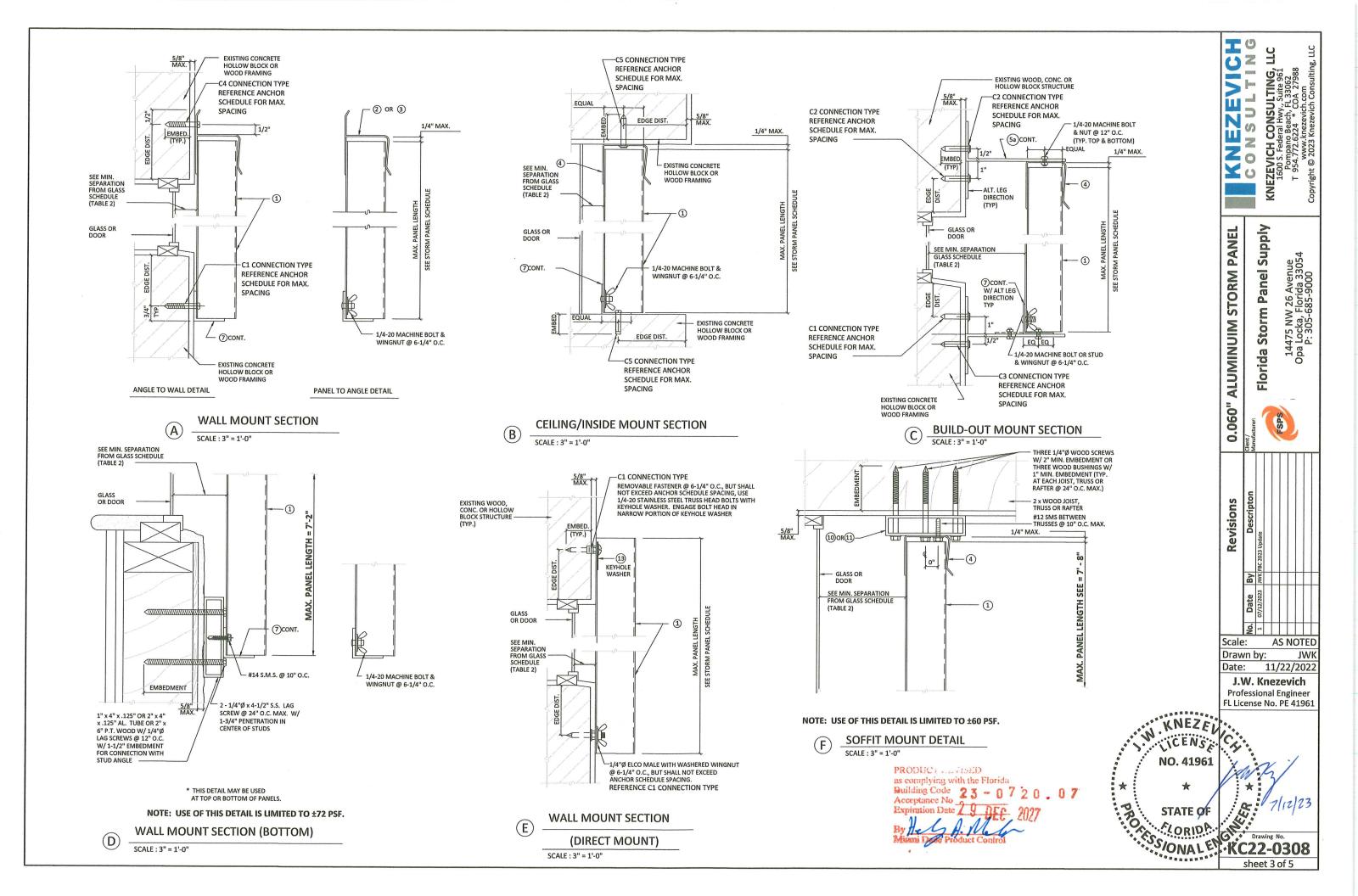
Florida Storm Panel Supply

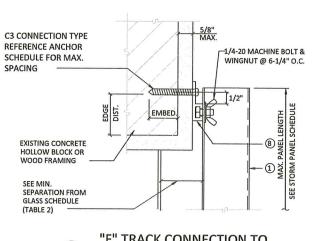
AS NOTED Drawn by: 11/22/2022

JWK

J.W. Knezevich **Professional Engineer** FL License No. PE 41961

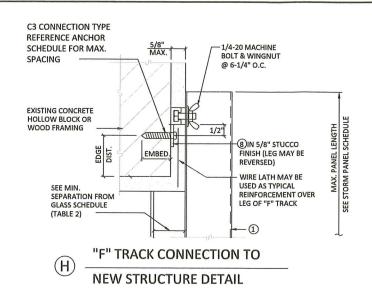
·KC22-0308 sheet 2 of 5



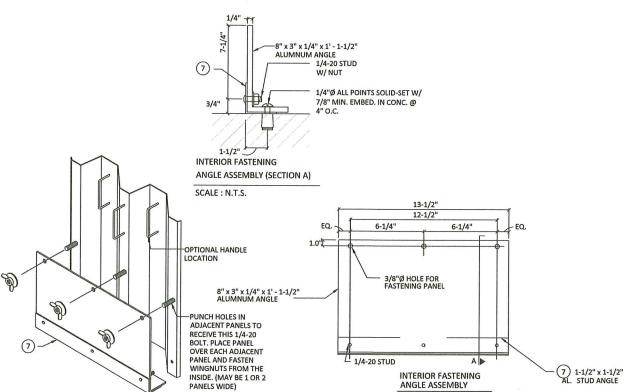


"F" TRACK CONNECTION TO G **EXISTING STRUCTURE DETAIL**

SCALE: 3" = 1'-0"

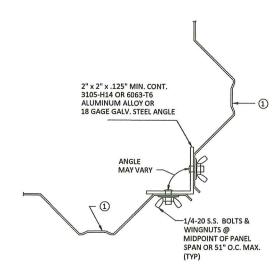


SCALE: 3" = 1'-0"



NOTE: USE OF THIS DETAIL IS LIMITED TO ±72 PSF AND A MAX. PANEL LENGTH OF 8'-0"





ALT. CORNER DETAIL SCALE : 3" = 1'-0"

ALUM. OR GALV. STEEL SPACERS AS REQ'D C3 CONNECTION TYPE -1/4-20 MACHINE REFERENCE ANCHOR BOLT & WINGNUT @ 6-1/4" O.C. SCHEDULE FOR MAX. 8 SPACING **EXISTING CONCRETE** HOLLOW BLOCK OR WOOD FRAMING WIRE LATH MAY BE USED AS TYPICAL REINFORCEMENT OVER LEG OF "F" TRACK SEE MIN. SEPARATION FROM GLASS SCHEDULE (TABLE 2) -1/4-20 MACHINE BOLT & WINGNUT @ 6-1/4" O.C. C3 CONNECTION TYPE (8) REFERENCE ANCHOR SCHEDULE FOR MAX. SPACING

ALT. "F" TRACK CONNECTION

TO NEW STRUCTURE DETAIL

SCALE: 3" = 1'-0"

J.W. Knezevich

KC22-0308 sheet 4 of 5

KNEZEVICH CONSULTING, 1600 S. Federal Hwv., Suite 961

Florida Storm Panel Supply

ALUMINUIM STORM PANEL

0.060"

Revisions

Scale:

Date:

Drawn by:

AS NOTED

11/22/2022

JWK

(I)

PRODUCT REVISED

Professional Engineer FL License No. PE 41961

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ပ္		MAX		017	5'-6"	10		SPANS UP TO 7'-6"						SFF	8'-5"			l	SFA	5'-6"	- 10			SPA	7'-6"				SPA	1195 UF 8'-5"	10	
STRUC		LOAD (w)		(SEE NOTE 1)				(SEE NOTE 1)						/SE				I	(SF	E NOT	F 1)			/SE								
	ANCHOR TYPE	psf		CONNECTION TYPE					CONNECTION TYPE				(SEE NOTE 1) CONNECTION TYPE					1	CONNE			F	(SEE NOTE 1) CONNECTION TYPE					(SEE NOTE 1) CONNECTION TYPE				
ST.	55380 10 10 10 10 10	SEE		(SE	ENOT	E4)		(SEE NOTE 4)				(SEE NOTE 4)					ı		ENOT		_	Ì		E NOT		_	(SEE NOTE 4)				-	
EX		NOTE						2	' Edg	je Di	stan	e	(000110101)									-	3'	_	-	stan	ce		100		,	-
		1	C1	C2	СЗ	C4	C5	C1	C2	СЗ	C4	C5	C1	C2	СЗ	C4	C5	C1	C2	СЗ	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5
		39.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	11	12.5	12.5	12.5	12	10	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12	12.5	12.5	12.5	12.5	10	12.5
		49.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	11	9	12.5	12.5	12.5	9	8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	11	9	12.5	12.5	12.5	10	8	12.5
		58.0	12.5	12.5		10	12.5	12.5	12.5	9	8	11	12.5	12	8	7	10	12.5	12.5	12.5	11	12.5	12.5	12.5	9	8	12.5	12.5	12	8	7	12.5
1	1/4" Ø ⊟co Ultracon	72.0	12.5	12.5	10	8	12.5	12.5		7	6.25	10	12.5	11	7	6.25	10	12.5	12.5	10	9	12.5	12.5	11	8	7	12.5	12.5	11	8	7	12.5
1	w / 1.75" embed in 2.8 ksi Concrete	110.0	12.5	11	7	6.25	10	12.5	11	7	6.25	10	12.5	11	7	6.25	10	12.5	11	8	7	12.5	12.5	11	8	7	12.5	12.5	11	8	7	12.5
0	1 4 Ammor 70	39.0	12.5		12.5	11	12.5	_	12.5	9	8	12	12.5	12.5	8	7	10	12.5		12.5	12.5	12.5	12.5			12.5			12.5		12.5	
Concrete	*	49.0	12.5	12.5	10	9	12.5	12.5	11	7	6.25	9	12.5	10	7	6	8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5		12.5	12.5	12.5	11	9	12.5
l g	1/4" Ø Hillman Solid-Set Anchor	58.0	12.5	12.5	9	7	11	12.5	9	6.25	5	8	12.5	8	5	5	7	12.5	12.5	12.5	12.5	12.5	12.5	12.5		9	12.5			9	8	12.5
ŏ	w / 7/8" embed in 3.0 ksi Concrete &	72.0 110.0	12.5 12.5	10	7	6.25	9	12.5	8	5	4	7	12.5	8	5	4	7	12.5	12.5	12	10	12.5	12.5	12.5		8	12.5		12.5	9	8	12.5
	1/4-20 SS Machine Screw	39.0	12.5	8	5	4	7	12.5	8	5	4	7	12.5	8	5	4	7	12.5	12.5	9	8	12.5	12.5	12.5	_	8	12.5		12.5	9	8	12.5
	*======================================	49.0																12.5 12.5		12.5				12.5			12.5		12.5	11	9	12.5
		58.0																12.5	12.5	12.5	12.5	12.5	12.5	12.5		9	12.5	12.5	12.5	9	8	12.5
	1/4" Ø Elco Panelmate Pro	72.0																12.5		12	10	12.5	12.5	12.5		8	12.5	12.5	12.5	9	8	12.5
	or Female ID w / Stalgard Finish w / 1.75" embed in 3.35 ksi Concrete	110.0																12.5	12.5	9	0	12.5	12.5	12.5	9	8	12.5	12.5	12.5	9	8	12.5
	W7 1.70 embed in 5.55 ksi concrete	39.0	12.5	8			10	11	6			7	10				7	12.5	8			12.5	11	6			12.5	10				11
		49.0	12	6.25			8	9				6.25	8					12	6.25			12.5	9	U			10	8				8
		58.0	10				7	7					6.25					10	0.20			11	7				8	6.25				7
	1/4" Ø Elco Ultracon w / Stalgard Coating	72.0	8					6.25					6.25					8				9	6.25				7	6.25				7
	w/1.25" embed in Hollow Block	110.0	6.25					6.25					6.25					6.25				7	6.25				7	6.25				7
픙	1	39.0	12.5	9	6.25	5	10	12.5	7	5	4	7	12	6.25	4	3	6.25	-	12.5	12.5	11	12.5		12.5	9	8	12.5	12.5	12	8	7	12.5
Block	* X	49.0	12.5	7	5	4	8	10	5	4	3	6	9	5	3	3	5	12.5	12.5	10	8	12.5	12.5	11	7	6.25	12.5	12.5	9	6.25	5	12.5
	1/4" Ø Hillman Solid-Set Anchor	58.0	12	6.25	4	3	6.25	9	4	3		5	8	4	3		4	12.5	12.5	8	7	12.5	12.5	9	6.25	5	12	12.5	8	5	4	10
Hollow	w / 7/8" embed in Hollow Block	72.0	10	5	3	3	5	7	4			4	7	4			4	12.5	10	7	6	12.5	12.5	7	5	4	10	12.5	7	5	4	10
=	& 1/4-20 SS Machine Screw	110.0	7	4			4	7	4			4	7	4			4	12.5	7	5	4	10	12.5	7	5	4	10	12.5	7	5	4	10
	*======================================	39.0																12.5	12.5	8	7	12.5	12.5	9	6.25	5	11	12.5	8	5	4	10
	*	49.0																12.5	9	6.25	5	12.5	12.5	7	5	4	9	12	6.25	4		8
	1/4" Eco Panelmate Pro	58.0																12.5	8	5	4	10	11	6	4		7	10	5			6.25
	or Female ID w / Stalgard Coating	72.0																12.5	6.25	4	4	8	9	5			6.25	9	5			6.25
	w / 1.25" embed in Hollow Block	110.0																9	5			6.25	9	5			6.25	9	5			6.25

ANCHOR NOTES:

- Spans and loads shown here are for determining anchor spacing only. Allowable shutter spans for specific loads must me limited to those shown in Table 1.
- 2. An effective wind area of 10 sq. ft. shall be used for determining wind loads for anchors.
- Enter Anchor Schedule based on the existing structure material, anchor type, and edge distance. Select design load ≥ negative design load on shutter and select span ≥ shutter span.
- See mounting section details for identification of Connection Type.
- Existing Structure may be concrete, ASTM C-90 Hollow (or grouted) Concrete Block, or wood framing. Reference Anchor Schedule for proper anchor type based on type of existing structure.
- Anchors shall be installed in accordance with manufacturers' recommendations.
- Minimum embedment and edge distance excludes wall finish or
- Where existing structure is post-tensioned concrete, contractor shall locate cables prior to anchoring and coordinate anchorage such that cables are not damaged.

- Where existing structure is wood framing, wood framing conditions vary. Field verity that fasteners are into adequate wood framing members, not plywood. Fastening to plywood is acceptable only for side closure pieces.
- Where lag screws fasten to narrow face of stud framing, fastener shall be located in center of nominal 2" x 4" (min) wood stud. 3/4" edge distance is acceptable for wood framing. Wood stud shall have a min density as noted in anchor schedule. Screws shall have phillips pan head or hex head.
- 11. Machine screws shall have minimum of 1/2" engagement of threads in base anchor and may have either a pan head, truss head, or wafer head (sidewalk bolt), u.o.n.
- 12. Designates anchor conditions that are not acceptable uses.
- 13. * Designates anchors that are removable by removing machine screw, nut, or washered wingnut.
- 14. All concrete anchors shall be installed in uncracked concrete only with a minimum concrete strength as noted in anchor schedule.
- 15. When anchoring to concrete block, sds and impact drills shall not be used to drill into block or to install concrete screws.

	ANCHOR SCHEDULE FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS																			
-	FASTENER WAAR	W OW 3	AGII			-	אותבט	FOR	_	_		LUAL	S AIVI	-	-	7.70	-			
1 .:		MAX		SPANS UP TO SPANS UP TO										SPANS UP TO						
STRUC.		LOAD			5'-6"					7'-6"					8'-5"					
		(w)		(SE	E NOT	E 1)			(SE	E NOT	E1)		(SEE NOTE 1)							
S	ANCHOR TYPE	psf		CONNE	ECTIO	NTYP	E		CONN	ECTION	VTYP	E	(CONNE	CTIO	VTYP	E			
F.		SEE		(SE	ENOT	E4)			(SE	E NOT	E4)			(SE	E NOT	E4)				
EXIST		NOTE	0.75" Edge Distance																	
ш		1	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5			
		20.0	-	-			-	_	-		-			-		and the latest designation of the latest des	STATE STATE OF THE PARTY NAMED IN			
	1/4" Ø Lag Screw or Hanger Bolt w/ min 1.75" penetration in Wood with G ≥ 0.55	39.0	12.5	12.5		12.5	12.5		12.5			9	12.5	12.5	12.5		8			
1		49.0	12.5		12.5		10	12.5	12.5	12.5	11	7	12.5	1000000	11	10	6.25			
		58.0	12.5	12.5	12.5	12.5	8	12.5	12.5	11	9	6.25	12.5	12.5	10	8	5			
1		72.0	12.5	12.5	12	10	7	12.5	12.5	9	8	5	12.5	12.5	9	8	5			
		110.0	12.5	12.5	9	8	5	12.5	12.5	9	8	5	12.5	12.5	9	8	5			
		39.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	10	10	12.5	12.5	11	9	9			
٥	U	49.0	12.5	12.5	12.5	11	11	12.5	12.5	10	8	8	12.5	12.5	8	7	7			
WOOD	#14 Stainless Steel Wood Screw	58.0	12.5	12.5	11	9	9	12.5	12	8	7	6.25	12.5	10	7	6.25	6			
3	w / 1.5" embed	72.0	12.5	12.5	9	7	7	12.5	10	7	6	5	12.5	10	7	6	5			
	in Wood with G≥ 0.55	110.0	12.5	10	7	6	5	12.5	10	7	6	5	12.5	10	7	6	5			
	* Annuation	39.0	12.5	10	7	6		12.5	7	5	4		12.5	6.25	4	3				
	7/16" Ø Brass Bushing w/7/8" embed	49.0	12.5	8	5	4		11	6	4	3		10	5	3	3				
		58.0	12.5	6.25	4	4		9	5	3	3		8	4	3					
	in Wood with G ≥ 0.55	72.0	10	5	3	3		8	4	3			8	4	3					
5/16"Φ pre-drilled he	5/16" pre-drilled hole	110.0	8	4	3			8	4	3			8	4	3					

Revisions Scale: **AS NOTED** Drawn by: JWK 11/22/2022 Date: J.W. Knezevich **Professional Engineer** FL License No. PE 41961

Florida Storm Panel Supply

ALUMINUIM STORM PANEL

0.060"

PRODUCT REVISED as complying with the Florida