

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)

BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Cross Aluminum Products, Inc. 1770 Mayflower Road Niles, MI 49120

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "FLT-400 (Thermally Broken)" Outswing Opaque Aluminum Door - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1863, titled "FLT-400 Thermal Aluminum Panel Impact Out-Swing Door", sheets 1 through 11 of 11, dated 04/11/13, with revision **B1** dated 10/13/22, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", 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.

11/16/22

This NOA revises and renews NOA No. 20-0623.16 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY APPROVED

NOA No. 22-1027.08 Expiration Date: September 26, 2028 Approval Date: November 23, 2022

Page 1

Cross Aluminum Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA's No. 14-0428.02 and 13-0624.06)
- 2. Drawing No. 1863, titled "FLT-400 Thermal Aluminum Panel Impact Out-Swing Door", sheets 1 through 11 of 11, dated 04/11/13, with revision A1 dated 12/14/17, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

(Submitted under NOA No. 18-0110.08)

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked-up drawings and installation diagram of an aluminum outswing glazed/opaque entrance door, prepared by Architectural Testing, Inc. Test Report No. **C7190.01-602-18**, dated 06/03/13, signed and sealed by Shawn G. Collins, P.E. Note: Clarification letter of SVR panic engagement, dated 08/28/13, issued by Architectural Testing, Inc., signed by John Bordagaray, Director, ATI. (Submitted under NOA's No. 14-0428.02 and 13-0624.06)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with **FBC** 6th **Edition (2017)**, dated 12/14/17, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. (Submitted under NOA No. 18-0110.08)
- 2. Glazing complies with ASTM E1300-02 & 04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

Manuel Perez, P.E. Product Control Examiner NOA No. 22-1027.08

Expiration Date: September 26, 2028 Approval Date: November 23, 2022

Cross Aluminum Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S (CONTINUED)
- E. MATERIAL CERTIFICATIONS
 - 1. Notice of Acceptance No. 16-1129.05 issued to Dyplast Products, LLC, (Former Apache Product Co.) for "E and R Board Expanded Polystyrene Rigid Foam Insulation", dated 01/19/17 and expiring on 01/11/22.
 - 2. Test report # 61261.01-106-18 dated 01/04/06, issued by Architectural Testing, Inc. for Polyamide I-strut per ASTMD-2843 and ASTM D635, issued to Technoform Group.
 - 3. Tensile test report # ETC-07-1043-2008.0 dated 09/18/07, issued by ETC Laboratories for Strut material, issued to Technoform Group

F. STATEMENTS

- 1. Statement letter of conformance, complying with **FBC** 7th **Edition (2020)**, dated 06/04/20, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. (Submitted under NOA No. 20-0623.16)
- 2. Statement letter of conformance, complying with **FBC 5**th **Edition (2014)**, and of no financial interest, dated 04/14/14, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. (Submitted under NOA No. 17-0713.20)
- 3. Lab. compliance as part of the above referenced test report. (Submitted under NOA's No. 14-0428.02 and 13-0624.06)

G. OTHERS

1. Notice of Acceptance No. **18-0110.08**, issued to Cross Aluminum Products, Inc., for their Series FLT400 Aluminum Outswing Opaque Doors (Thermally Broken) – L.M.I., approved on 03/08/18 and expiring on 09/26/23.

Manuel Perez, P.E. Product Control Examiner NOA No. 22-1027.08

Expiration Date: September 26, 2028 Approval Date: November 23, 2022

Cross Aluminum Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. 1863, titled "FLT-400 Thermal Aluminum Panel Impact Out-Swing Door", sheets 1 through 11 of 11, dated 04/11/13, with revision **B1** dated 10/13/22, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **22-0627.04** issued to Kingspan Insulation, LLC, (Formerly Dyplast Products, LLC) for "E and R Board Expanded Polystyrene Rigid Foam Insulation", dated 07/21/22, expiring on 01/11/27.

F. STATEMENTS

- 1. Statement letter dated October 13, 2022, NOA drawings and testing have been reviewed to the current FBC 7th Edition (2020) and found compliant and that no change to existing NOA documents were required for renewal, prepared by W. W. Schaefer Engineering & Consulting, P.A. and signed by Warren W. Schaefer, P.E.
- 2. Statement letter dated October 11, 2022, requesting renewal with no change, issued by Cross-Aluminum Products, Inc., signed by Joshua Leets, Plant Engineer

G. OTHERS

1. Notice of Acceptance No. **20-0623.16**, issued to Cross Aluminum Products, Inc., for their Series FLT400 Aluminum Outswing Opaque Door (Thermally Broken) – L.M.I., approved on 09/03/20 and expiring on 09/26/23.

Manuel Perez, P.E. Product Control Examiner NOA No. 22-1 027.08

Expiration Date: September 26, 2028 Approval Date: November 23, 2022

GENERAL NOTES: THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN

PRESSURE TABLE(S)" 2. OPENINGS, BÙĆKING & BUCKING FASTENERS MUST BE PROPERLY

- DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. 3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- 4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT PRODUCTS
- 5. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ)
- IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT. 7. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED
- BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD. B. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING
- CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.
- 9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD SCREW ANALYSIS ONLY.
- 10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.

LOC	K OPTION REQUIREMENTS		
PANEL TYPE	HARDWARE REQUIRED		
	DOOR WITH LOCK OPTION 1		
ACTIVE PANEL	3-POINT PANIC LOCK DEVICE (ITEM 31)		
INACTIVE PANEL	3-POINT PANIC LOCK DEVICE (ITEM 31)		
	DOOR WITH LOCK OPTION 2		
ACTIVE PANEL	DEAD BOLT (ITEM 35)		
	PASSAGE LOCK (ITEM 36)		
	TOP & BOTTOM SURFACE BOLTS (ITEM 33)		
INACTIVE PANEL	TOP & BOTTOM SURFACE BOLTS (ITEM 33)		
	TOP & BOTTOM FLUSH BOLTS (ITEM 34)		
DOOR WITH LOCK OPTION 3			
ACTIVE PANEL	2-POINT PANIC LOCK DEVICE (ITEM 37)		
	TOP & BOTTOM SURFACE BOLTS (ITEM 33)		
INACTIVE PANEL	TOP & BOTTOM SURFACE BOLTS (ITEM 33)		
NOTES: 1 SEE PARTS LIST ON SHEET 11 FOR DESCRIPTION			

SEE PARIS LIST ON SHEET IT FOR DESCRIPTION

OF LOCK ITEMS. 2. ALL MANUAL FLUSH &/OR SURFACE LOCK BOLTS SHALL BE ENGAGED UPON A BUILDING LOCK-DOWN &/OR IN THE EVENT OF A SEVERE STORM THREAT

FRAME	I FRAME			
WIDTH (IN.)	HEIGHT (IN.)	POSITIVE (PSF)	NEGATIVE (PSF)	
DOUBLE DOOR				
91 1/2	97 3/8	60.0	60.0	
81 3/8	97 3/8	(1) 67.5	(1) 67.5	
73 1/4	97 3/8	(1) 75.0	(1) 75.0	
SINGLE DOOR				
47 5/8	97 3/8	60.0	60.0	
42 3/8	97 3/8	(1) 67.5	(1) 67.5	
38 1/8	97 3/8	(1) 75.0	(1) 75.0	

ALLOWABLE DESIGN

SIZE/PRESSURE TABLE

ALLOWABLE PRESSURE

(1) PRESSURES HIGHER THAN +/-60PSF ARE ONLY APPLICABLE WHEN LOCK OPTION 2 &/OR 3 IS USED. WHEN LOCK OPTION 1 IS USED, ALLOWABLE PRESSURE MAY NOT EXCEED +/-60 PSF REGARDLESS OF DOOR SIZE.

HINGE NOTE

HINGES ARE NOT SHOWN IN THE ELEVATION VIEWS DUE TO THE CHOICE OF THEM BEING CONTINUOUS OR INDIVIDUAL BUTT HINGES. WHEN BUTT HINGES ARE USED, THERE SHALL BE A TOTAL OF 4 WITH EACH DOOR PANEL POSITIONED 7 5/8" FROM BOTH TOP & BOTTOM TO HINGE CENTERLINE & EQUALLY SPACE BETWEEN. SEE APPLICABLE SECTIONS & PARTS LIST FOR ALL HINGE DETAIL.

MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR M THEY BE USED FOR RATIONAL AND/OR LOCAL PRODUCT NOT PRODUCED THE MANUFACTURER STATED ON THESE DRAWINGS.

APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY

04/11/13

S ALUMINUM PRODUCTS, 1770 MAYFLOWER RD. NILES, MI 49120 800-806-3667

CROSS

W.R.M.

DOOR

OUT-SWING

PANEL IMPACT

ALUMINUM

THERMAL

FLT-400

HECKED BY:

W.W.S.

NOTE: THESE DOOR UNITS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION, UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC.

FRAME CORNER CONSTRUCTION:

FRAME HEAD: VERTICAL MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE SQUARE CUT, BUTTED AND MECHANICALLY FASTENED WITH (3) NO. 10 X 1" PHTF THROUGH THE VERTICAL MEMBER INTO THE HORIZONTAL MEMBERS SCREW SPLINES. CORNERS ARE SEALED WITH SILICONE SEALANT.

SILL: VERTICAL MEMBERS RUN THROUGH WHILE THE THRESHOLD IS SQUARE CUT, BUTTED AND SEALED WITH SILICONE SEALANT.

FRAME ANCHOR REQUIREMENTS TABLE					
OPENING TYPE (SUBSTRATE)	FRAME & MULLION PLATE TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.		
PRIMARY FRAME SCREWS					
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 2 & G=0.55)	NO. 20 SMS OR WOOD SCREW	1 1/2"	1"		
MIN. 16 GA. 50 KSI METAL STUD	5/16" GR. 5 SELF TAP/DRILL SCREW	FULL	5/8"		
MIN. 1/8" THK A36 STEEL	5/16" GR. 5 SELF TAP/DRILL SCREW	FULL	5/8"		
MIN. 0.100" THK 6063-T5 ALUM.	5/16" GR. 5 SELF TAP/DRILL SCREW	FULL	5/8"		
(4) MIN. C-90 CONCRETE FILLED BLOCK	(2) 5/16" CONCRETE SCREW	1 1/2"	2"		
MIN. 2500 PSI CONCRETE	(2) 5/16" CONCRETE SCREW	1 3/4"	2"		
SILL SCREWS (PRIMARY & S	ECONDARY) & SECONDARY FRAI	ME SCRE	WS		
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 2 & G=0.55)	NO. 14 SMS OR WOOD SCREWS	1 1/2"	3/4" AT SIDES; 1" AT SILL		
MIN. 16 GA. 50 KSI METAL STUD	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"		
MIN. 1/8" THK A36 STEEL	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"		
MIN. 0.100" THK 6063-T5 ALUM.	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"		
(4) MIN. C-90 CONCRETE FILLED BLOCK	(1) 1/4" CONCRETE SCREW	1 1/2"	2"		
MIN. 3000 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 3/4"	2"		
MULLION END PLATE ANCHORS					
MIN. 2500 PSI CONCRETE	(5) EXPANSION ANCHOR WITH 5/16-18 X 1 3/4" MACHINE SCREW	FULL (1 5/8")	2 1/2"		

- (1) 1/4" 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.).
- (2) 5/16" CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.)
- (3) 2X6 BUCKS SHALL BE OF A MINIMUM DEPTH REQUIRED TO MEET ANCHOR EDGE DISTANCE REQUIREMENTS BUT NO LESS THAN 4 1/4".
- (4) CONCRETE FILLED BLOCK SUBSTRATE IS NOT APPLICABLE AT HEAD AND SILL
- (5)EXPANSION ANCHORS SHALL BE POWERS SINGLE SHELL EXPANSION ANCHOR.

as complying with the Florida **Building Code** NOA-No.

Expiration Date: 09/26/2028

By: Manuel Peres Miami-Dade Product Control

. W. SCHAEFER ENGINEERING CONSULTING, P.A. (CA 6809) 26376 NADIR ROAD; UNIT 309 PUNTA GORDA, FL 33983 PHONE: 561-744-3424 THER * Hall ું ≶ શ્ર 2022 SCHAEFER, NO. 44135 O. 50 130 1863 SHEET NO.

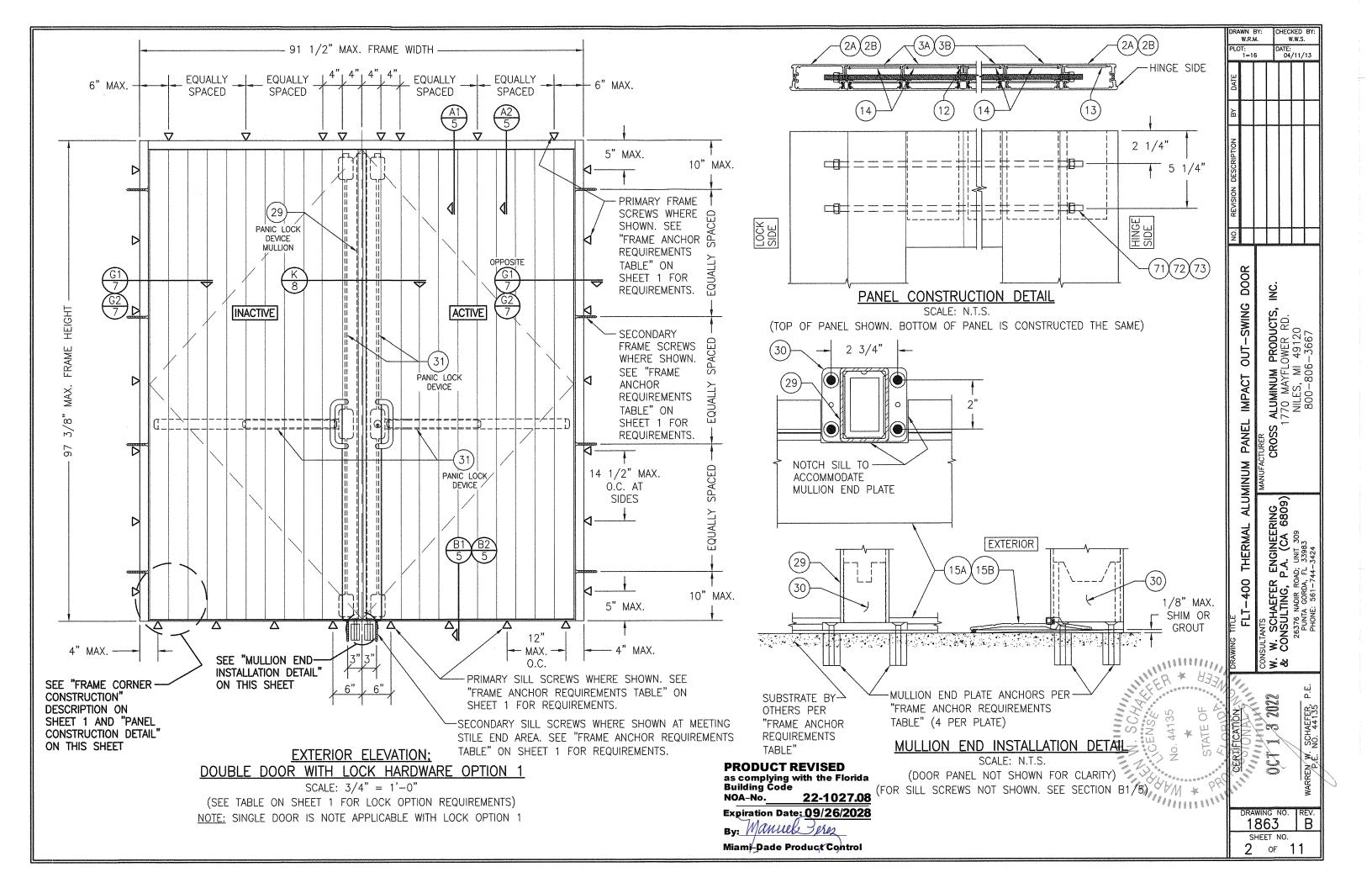
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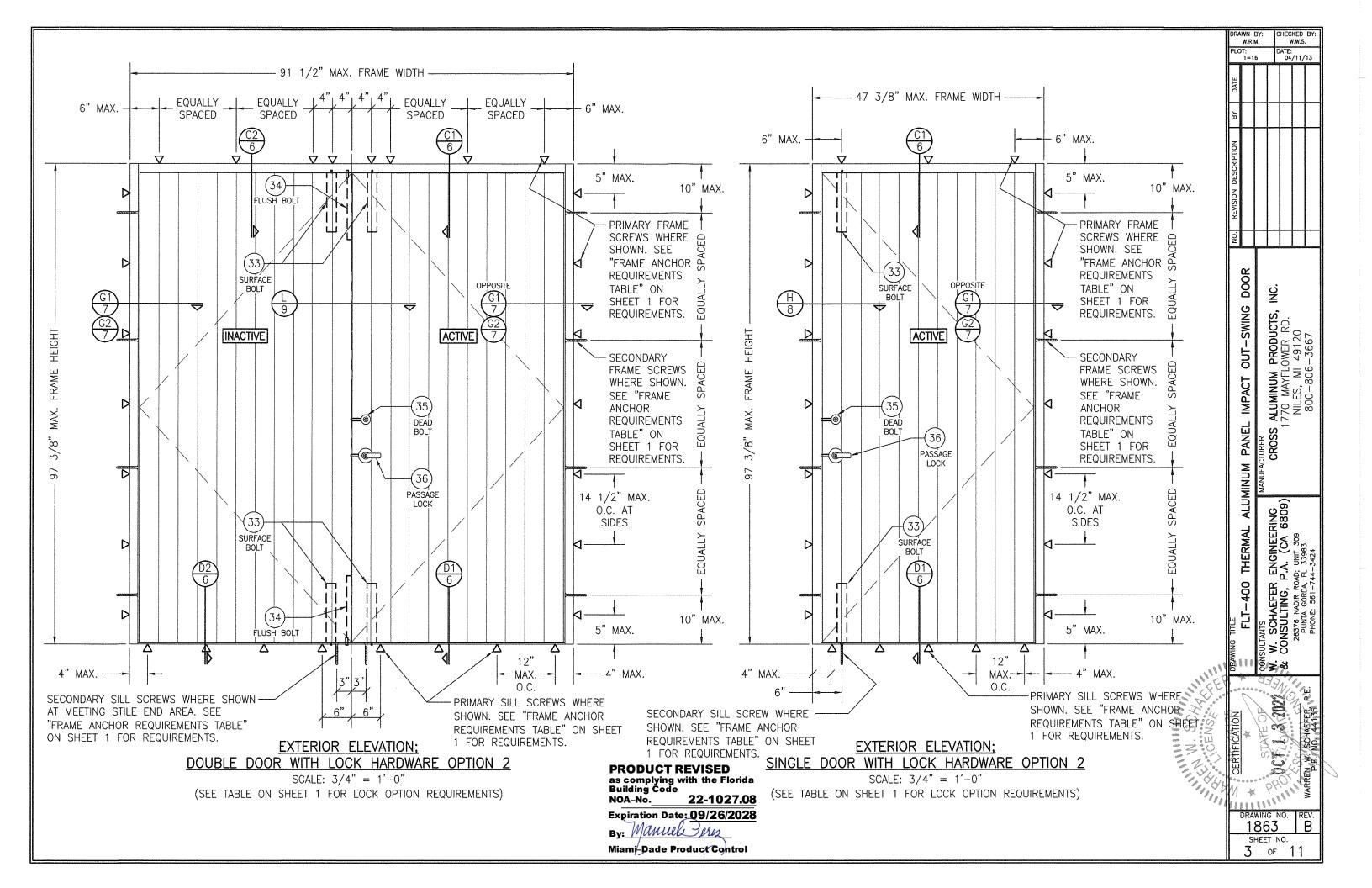
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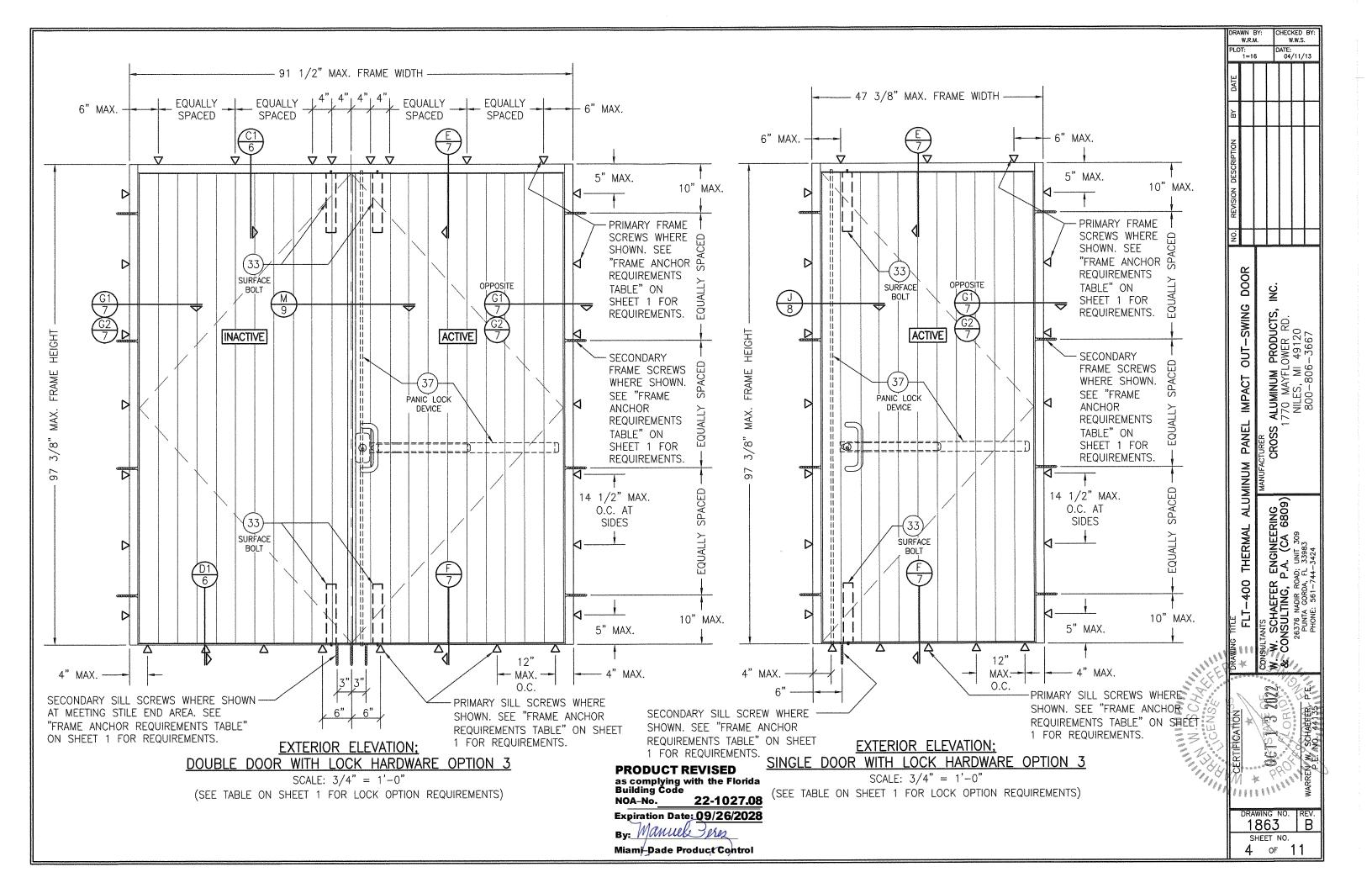
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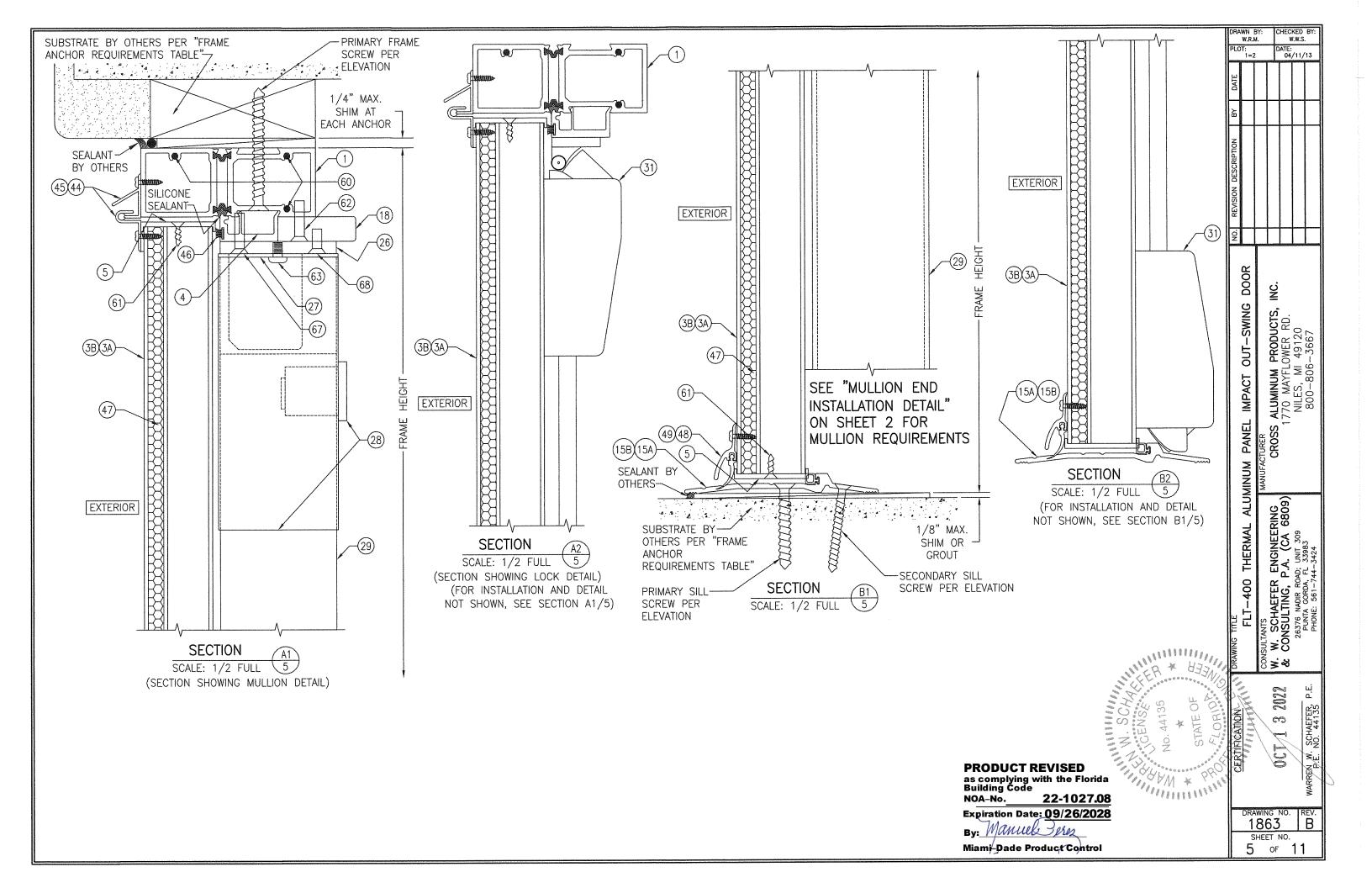
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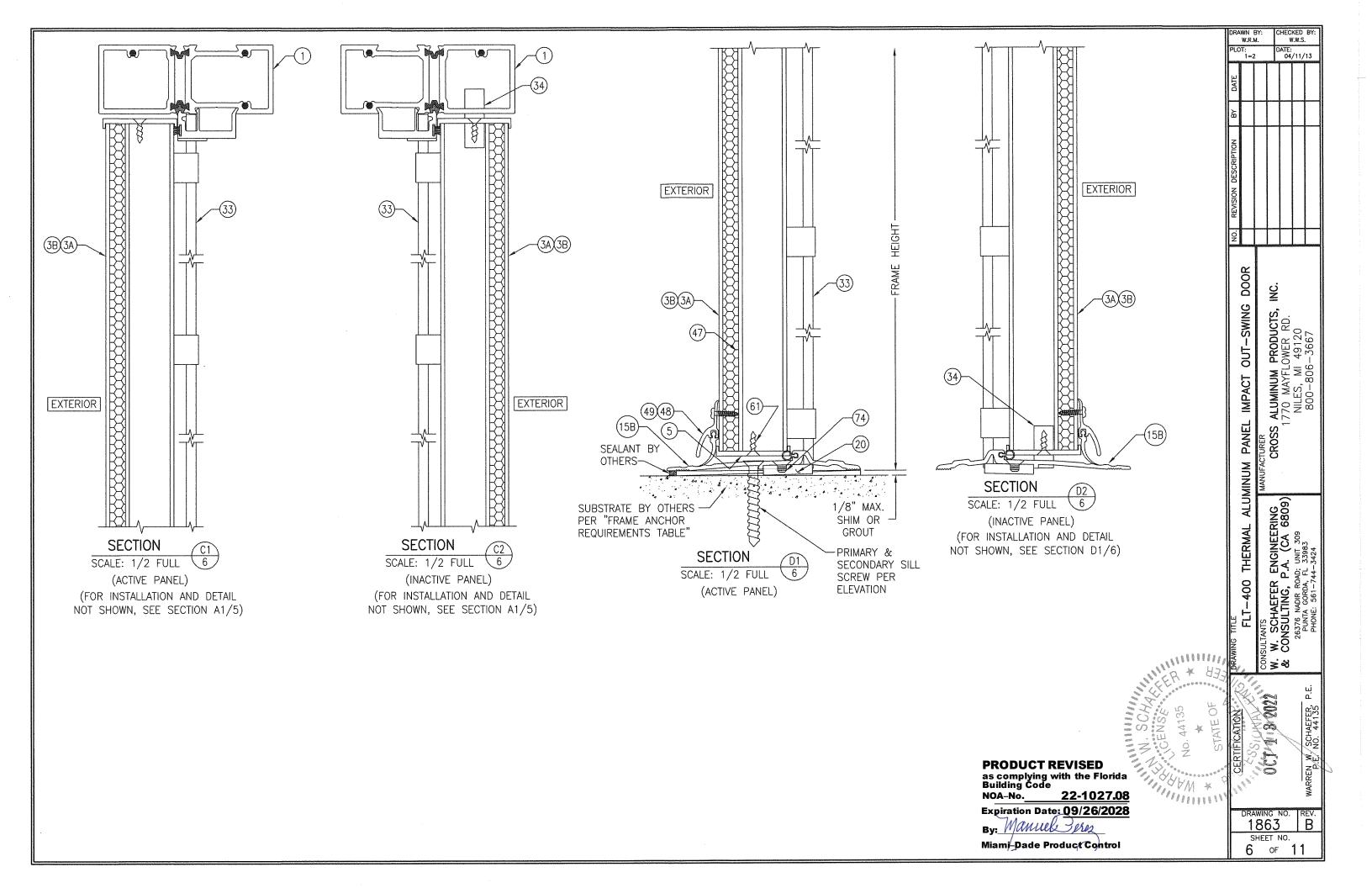
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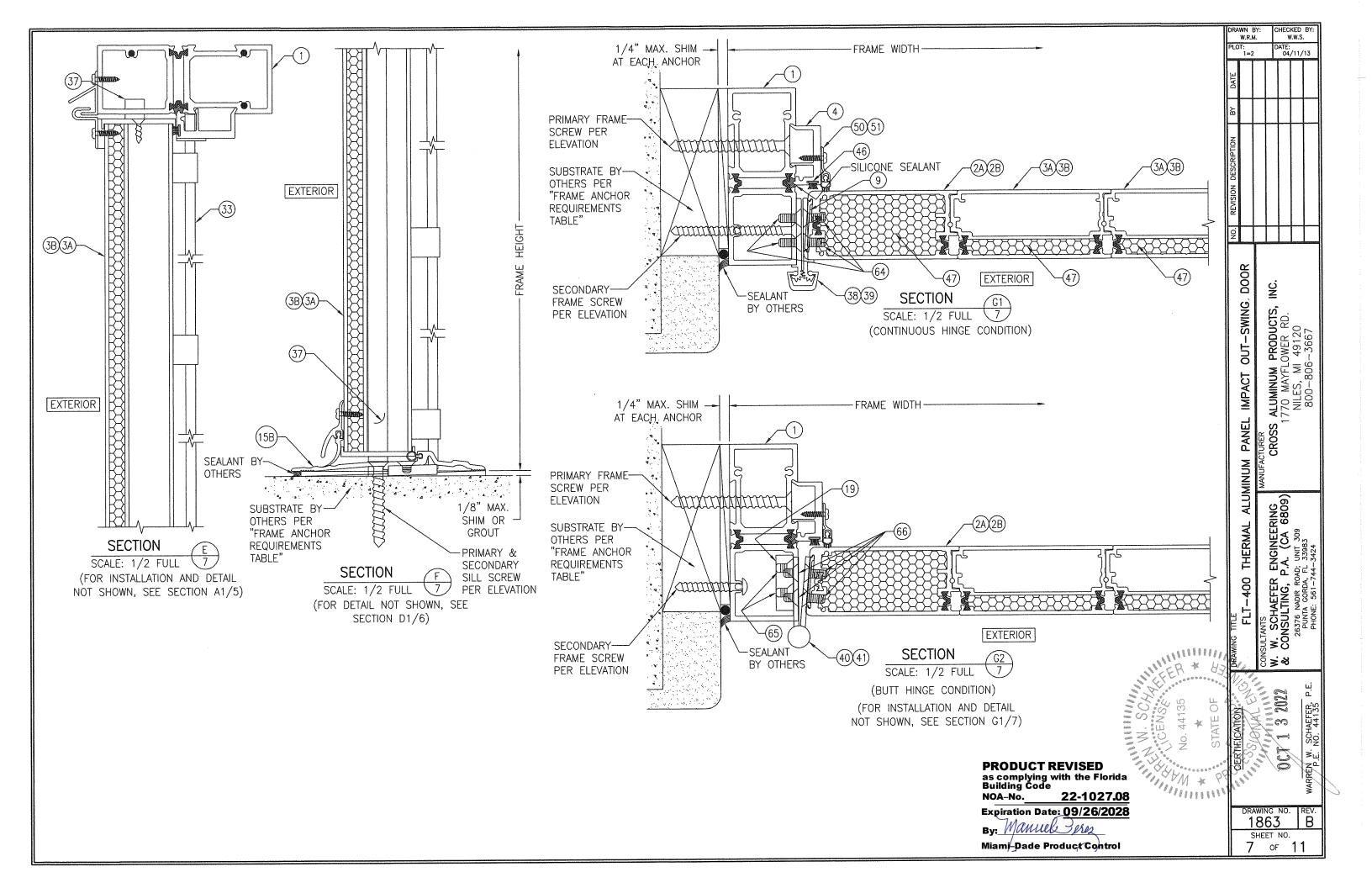


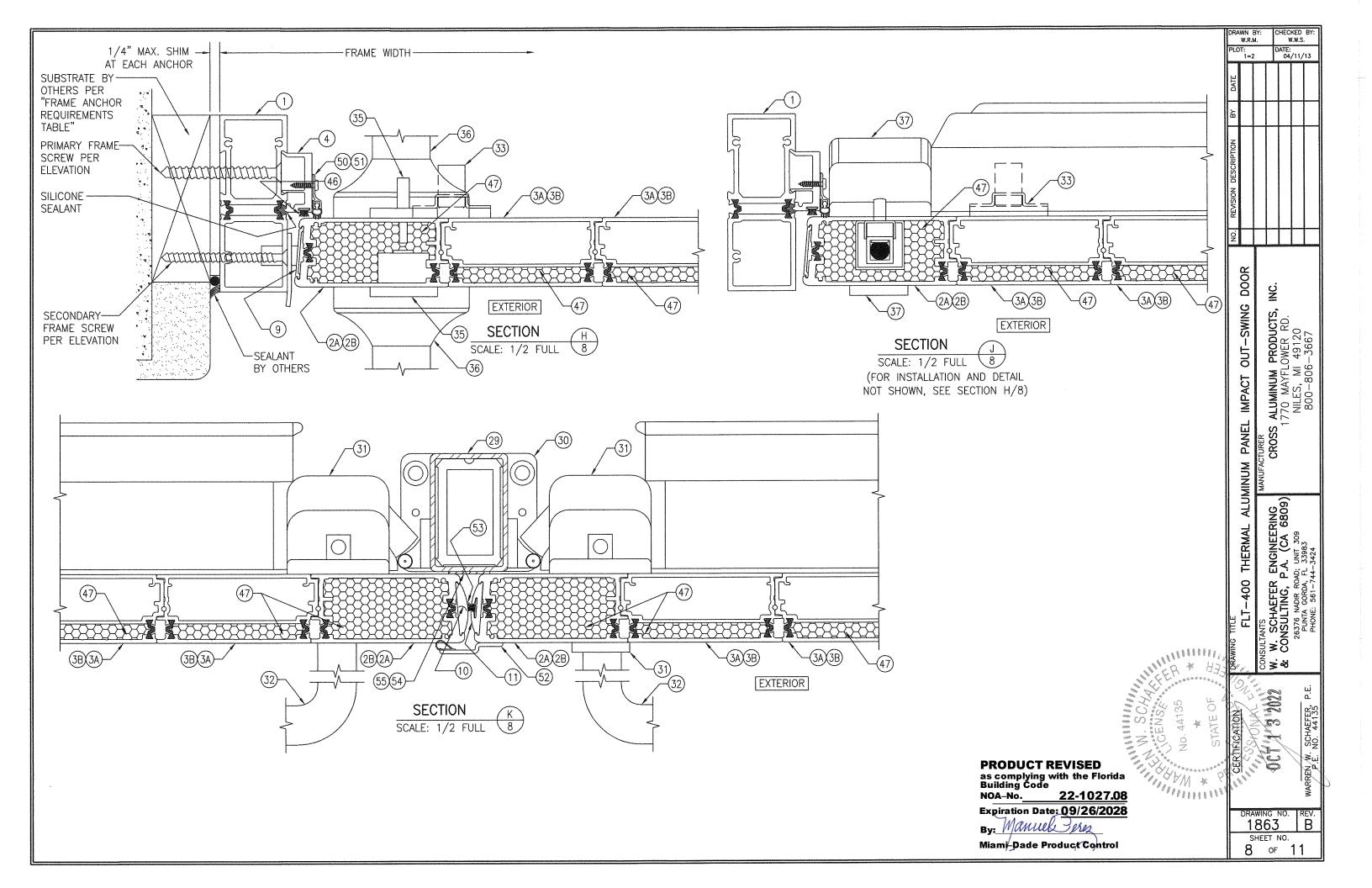


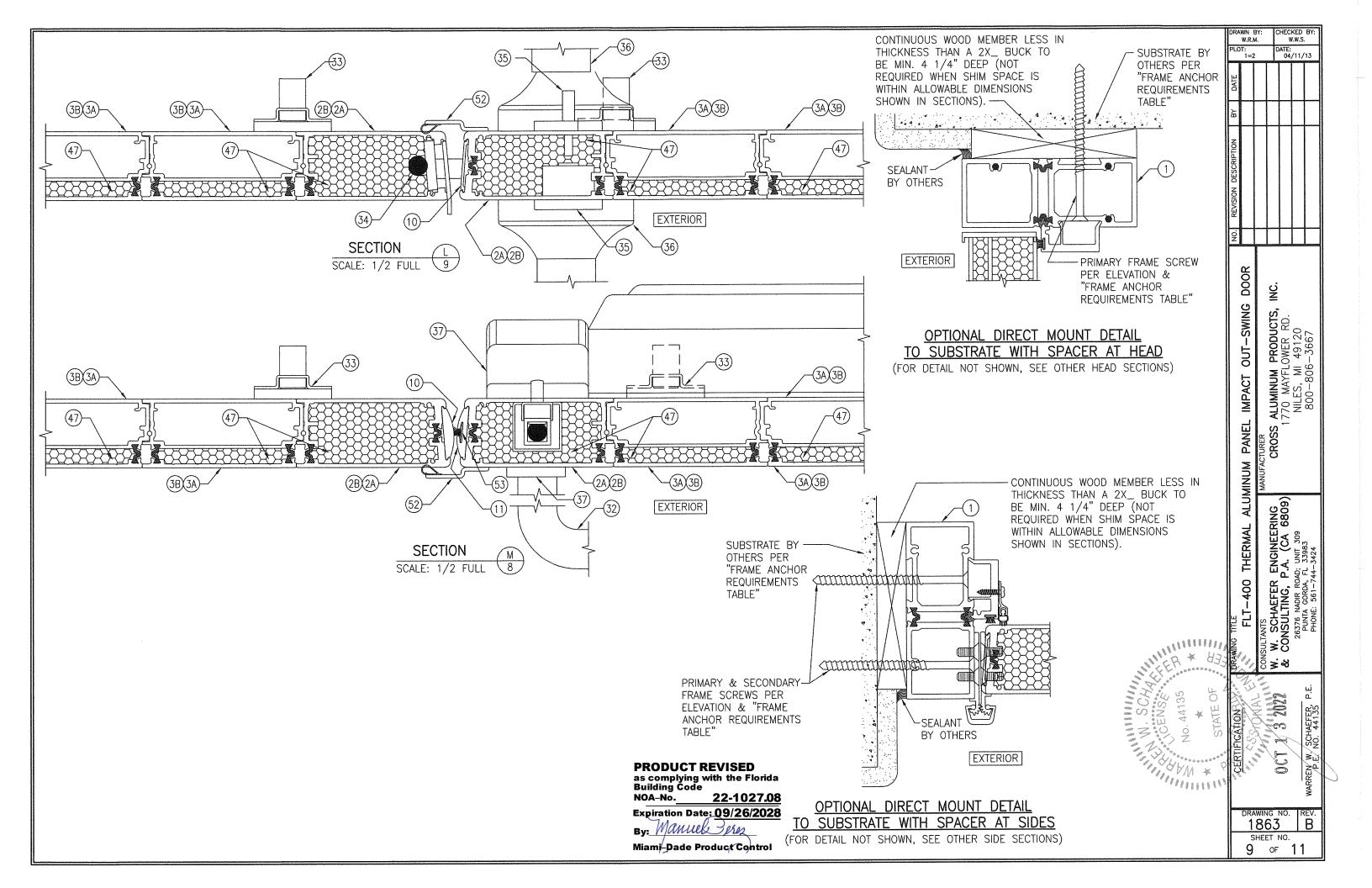


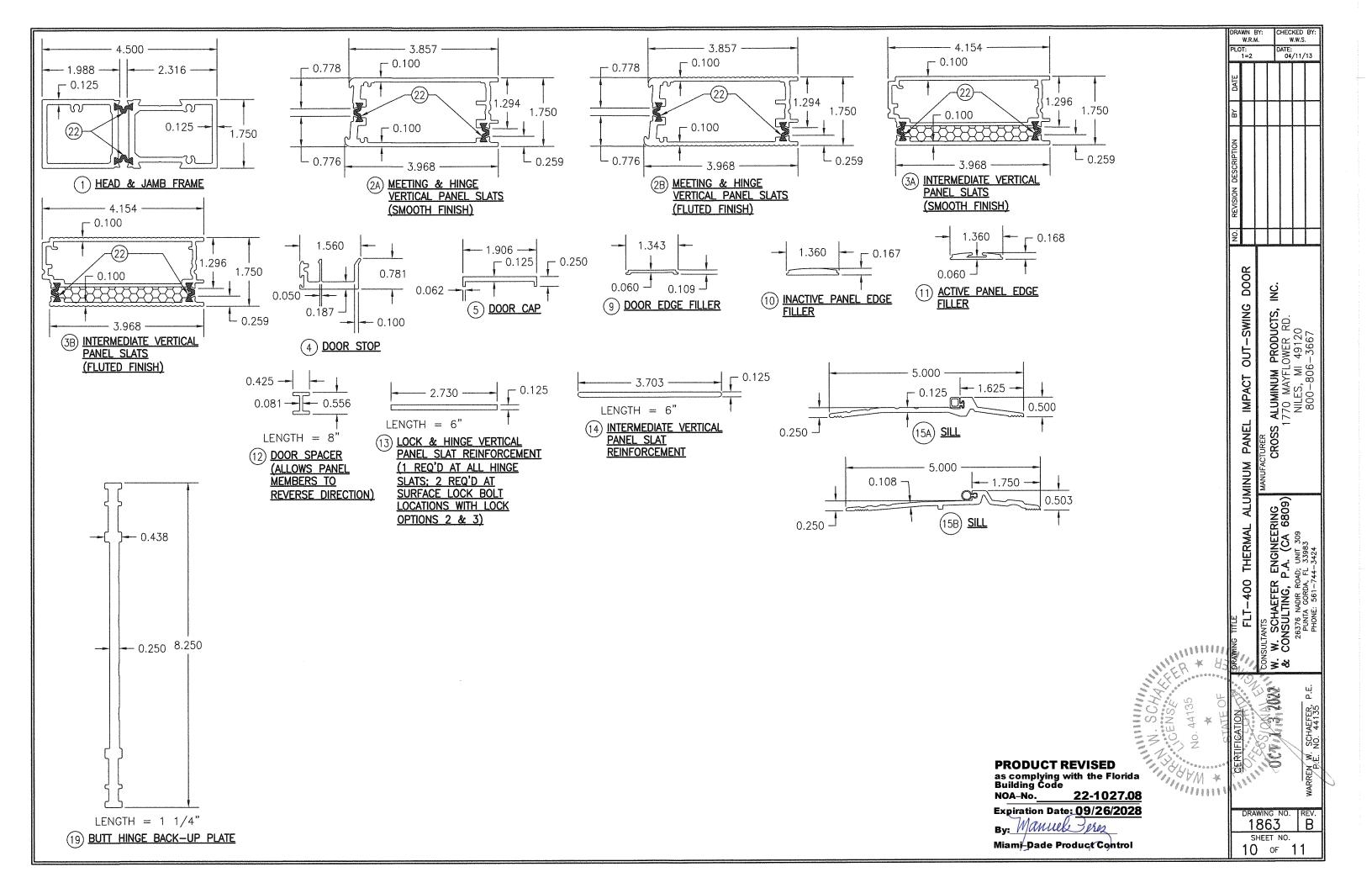












ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
	PARTS	1
1	HEAD & JAMB FRAME	6063-T5 ALUMINUM
 2A	MEETING & HINGE VERTICAL PANEL SLATS	6063-T5 ALUMINUM
	(SMOOTH FINISH)	
2B	MEETING & HINGE VERTICAL PANEL SLATS	6063-T5 ALUMINUM
	(FLUTED FINISH)	
3A	INTERMEDIATE VERTICAL PANEL SLATS	6063-T5 ALUMINUM
	(SMOOTH FINISH)	
3B	ÎNTERMEDIATE VÉRTICAL PANEL SLATS	6063-T5 ALUMINUM
	(FLUTED FINISH)	
4	DOOR STOP	6063-T5 ALUMINUM
5	DOOR CAP	6063-T5 ALUMINUM
9	DOOR EDGE FILLER	6063-T5 ALUMINUM
10	INACTIVE PANEL EDGE FILLER	6063-T5 ALUMINUM
11	ACTIVE PANEL EDGE FILLER	6063-T5 ALUMINUM
12	DOOR SPACER (ALLOWS PANEL MEMBERS TO	6063-T5 ALUMINUM
	REVERSE DIRECTION; 1 PER TOP & BOTTOM	
	OF EACH PANEL)	
13	LOCK & HINGE VERTICAL PANEL SLAT	6063-T5 ALUMINUM
	REINFORCEMENT (1 REQ'D AT ALL HINGE SLATS;	
	2 REQ'D AT SURFACE LOCK BOLT LOCATIONS WITH	
	LOCK OPTIONS 2 & 3)	
14	INTERMEDIATE VERTICAL PANEL SLAT REINFORCEMENT	6063-T5 ALUMINUM
15A	SILL	PEMKO 2005T (6063-T5 ALUMINUM)
15B	SILL	NATIONAL GUARD 896V (6063-T5 ALUMINUM)
18	MULLION TOP MOUNTING PLATE	6061-T6 ALUMINUM
	3" X 2" X 5/8" THICK	
19	BUTT HINGE BACK-UP PLATE	6061-T6 ALUMINUM
20	1/4" X 1 1/4" X 14" LONG FLAT BAR	6061-T6 ALUMINUM
	AT CENTER LINE OF SILL	
22	INSULBAR	TECHNOFORM POLYMIDE 66
~	HARDWARE	
25	REMOVABLE MULLION ASSEMBLY (LOCK OPTION 1)	VON DUPRIN KR9954 (USED WITH ITEM 31)
26	TOP MULLION PLATE	SUPPIED WITH PART ITEM 25 (ALL A36 STEEL)
27	TOP MULLION PLATE FUSIBLE SPACER	
28	LOCKING MULLION PLATE	
29	3" X 2" X 1/8" TUBE MULLION	
30	BOTTOM MULLION PLATE	VOLUME DE LA CONTRACTION DEL CONTRACTION DE LA C
31	3-POINT SURFACE VERTICAL ROD PANIC LOCK	VON DUPRIN 9957NL-OP & 9957EOV 299F
	DEVICE (LOCK OPTION 1)	10 0500 1171 1751 7
32	PUSH-PULL HANDLE WITH LOCK OPTIONS 1 & 3	AS REQ'D WITH ITEM 31
33	TOP & BOTTOM SURFACE BOLTS	HAGAR 276D
34	TOP & BOTTOM FLUSH BOLTS	HAGAR 282
35	DEAD BOLT (LOCK OPTION 2)	SARGENT 28-487
36	PASSAGE LOCK (LOCK OPTION 2)	SARGENT 28-10G05-LL
37	2-POINT CONCEALED VERTICAL ROD PANIC LOCK	SARGENT MD8600
7.0	DEVICE (LOCK OPTION 3)	
38	CONTINUOUS GEAR HINGE	HAGAR 780-111HD (ALUMINUM)
39	CONTINUOUS GEAR HINGE	SELECT PRODUCTS SL-18-HD (ALUMINUM)
40	BUTT HINGE 4 1/2" X 4 1/2"	HAGAR BB-1199 (BRASS OR S.S.)
41	BUTT HINGE 4 1/2" X 4 1/2"	MCKINEY T4A3786 (BRASS OR S.S.)

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES	DRAWN W.R.I	d.	ECKED BY W.W.S.
	SEALS & SEALANTS		PLOT: 1=2	DA'	TE: 04/11/13
44	HEAD SEAL USED WITH LOCK OPTIONS 1 & 3	PEMKO 347_68R (ALUMINUM)			
45	HEAD SEAL USED WITH LOCK OPTIONS 1 & 3	NATIONAL GUARD 123NAX124A (ALUMINUM)	DATE		
46	PILE SEAL	ULTRAFAB, INC. F-PILE			$+\!+\!$
47	RIGID FOAM INSULATION	CROSS (POLYISOCYANURATE)	B		
48	BOTTOM DOOR SWEEP	PEMKO 345_V (ALUMINUM WITH VINYL SEAL)		-	
49	BOTTOM DOOR SWEEP	NATIONAL GUARD 345_V (ALUMINUM	ON NO		
		WITH VINYL SEAL)	RIP.		
50	PERIMETER GASKET	PEMKO 306_V (ALUMINUM WITH VINYL SEAL)	DESCRIPTION		
51	PERIMETER GASKET	NATIONAL GUARD 190_V (ALUMINUM)	11 8 1		
		WITH VINYL SEAL	REVISION		
52	ASTRAGAL	NATIONAL GUARD 178SA (ALUMINUM	Σ.		
		WITH SILICONE SEAL)	NO.		
53	PILE SEAL	ULTRAFAB, INC. D-PILE			broad-broadstands
54	SELF ADHESIVE GASKET	PEMKO 5110 (NEOPRENE/SILICONE)	J ~		
55	SELF ADHESIVE GASKET	NATIONAL GUARD 5100S (NEOPRENE/SILICONE)	DOOR		
	FASTENERS		∐ ⊠	NC.	
60	NO. 10 X 1" PHTF SCREW	3 PER HEAD TO JAMB CORNER INTO SCREW SPLINE	၂ ပ္	· ·	
61	NO. 6 X 5/8" FHTF SCREW	THROUGH DOOR CAP INTO PANEL SLAT SCREW SPLINES	∮	5	5 -
62	1/4-20 X 1" FHM SCREW	4 PER ITEM 18	OUT-SWING	3	7 2 5 7 7 7 7
63	1/4-20 X 3/8" PHM SCREW	2 PER ITEM 27	15	28	₩ 49 -36
64	12-24 X 5/8" FHM SCREW	2 9/16" FROM ENDS & 5 1/8" MAX. O.C.	11	7	1770 MATFLOWER RU. NILES, MI 49120 800-806-3667
65	12-24 X 5/8" FHM SCREW	4 PER ITEM 19	ال ال		¥ (,
66	12-24 X 3/8" FHM SCREW	4 PER BUTT HINGE ITEMS 40 & 41	IMPACT	\ ₹	NES 800
67	5/16-18 X 1 1/4" FHM SCREW	2 PER ITEM 26	_	ALL A	₹≅∞
68	5/16-18 X 5/8" FHM SCREW	2 PER ITEM 26	PANEL	Ω,	_
71	3/8-16 ALL THREAD	PER PANEL CONSTRUCTION DETAIL ON SHEET 2	₹	TURER CROSS	
72	3/8 LOCK WASHER		11	MANUFACTURER CROS	
73	3/8-18 HEAVY DUTY NUT			VOF.	
74	12-24 X 1/4" FHM SCREW	4 PER ITEM 20	∥ ₹	₩	
			DRAWING TITLE FLT-400 THERMAL ALUMINUM	CONSULTANTS W. W. SCHAEFER ENGINEERING O. CONICH TANC B.A. (CA. 6900)	26376 NADIR ROAD; UNIT 309 PUNTA GORDA, FL 33983
				050	

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 22-1027.08 22-1027.08

Expiration Date: 09/26/2028

By: Manuel Pres

Miami-Dade Product Control

PREN W DRAWING NO. | RE | 1863 | E | SHEET NO. | 11 | OF | 11