

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES 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/economy

# **NOTICE OF ACCEPTANCE (NOA)**

Polar King International 4424 New Haven Avenue Fort Wayne, IN 46803

#### 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 High Velocity Hurricane Zone of the Florida Building Code.

#### **DESCRIPTION:** Walk-In Cooler / Freezer

**APPROVAL DOCUMENT:** Drawing No. 16-08, titled "Walk-In Cooler / Freezer", sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated 10/21/2016, revision #D dated 07/18/2023, signed and sealed by Jalal Farooq, P.E., on 07/19/2023, 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 unit shall bear a permanent label with the manufacturer's name or logo, city, state and the 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.

This NOA revises NOA #21-0914.04 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.



Hely A. Mehr 09/28/2023

NOA No. 23-0720.09 Expiration Date: 07/13/2027 Approval Date: 09/28/2023 Page 1

#### Polar King International

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

# 1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #16-1018.10

# A. DRAWINGS

1. Drawing No. 16-08, titled "Walk-In Cooler / Freezer", sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated 10/21/2016, revision #A dated 06/15/2017, signed and sealed by Javad Ahmad, P.E., on 06/26/2017.

## B. TESTS

- 1. Test report on Uniform Static air Pressure, Large Missile Impact, Cyclic Load, on Reinforced Fiberglass Sheathed Polyurethane Foam Filled Modular Panel Walkin Coolers / Freezers, prepared by Intertek/Architectural Testing, Report No. F8379.01-109-18, dated 10/11/2016, signed and sealed by Joseph A. Reed, P.E.
- 2. Test report on Uniform Static air Pressure, Large Missile Impact, Cyclic Load, on Reinforced Fiberglass Sheathed Polyurethane Foam Filled Modular Panel Walkin Coolers / Freezers, prepared by Intertek/Architectural Testing, **Report No.** F8375.01-109-18, dated 10/11/2016, signed and sealed by Joseph A. Reed, P.E.
- 3. Test report on Uniform Static air Pressure, Large Missile Impact, Cyclic Load, on Reinforced Fiberglass Sheathed Polyurethane Foam Filled Modular Panel Walkin Coolers / Freezers, prepared by Intertek/Architectural Testing, **Report No.** F8373.01-109-18, dated 10/11/2016, signed and sealed by Joseph A. Reed, P.E.
- 4. Test report on Racking Load on Reinforced Fiberglass Sheathed Polyurethane Foam Filled Modular Panel Walk-in Coolers, prepared by Intertek/Arch. Testing, Report #G7444.01-119-18, dated 05/02/17, signed, sealed by Joseph A. Reed, P.E.
- 5. Test report on Gravity Load on Reinforced Fiberglass Sheathed Polyurethane Foam Filled Modular Panel Walk-in Coolers, prepared by Intertek Arch. Testing, Report #G7444.02-119-18, dated 04/06/17, signed, sealed by Joseph A. Reed, P.E.

#### C. CALCULATIONS

1. Calculation titled "Fiberglass Walk-In Cooler/Freezer Large Missile-Impact", dated January 31, 2017, 9 sheets, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., on 05/10/2017.

### D. QUALITY ASSURANCE

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

# E. MATERIAL CERTIFICATIONS

1. None.

# 2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #18-0516.05

#### A. DRAWINGS

Drawing No. 16-08, titled "Walk-In Cooler / Freezer", sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated 10/21/2016, revision #B dated 04/26/2018, signed and sealed by Javad Ahmad, P.E., on 05/04/2018.

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

NOA No. 23-0720.09 Expiration Date: 07/13/2027

**Approval Date: 09/28/2023** 

### **Polar King International**

#### EVIDENCE SUBMITTED NOTICE OF ACCEPTANCE:

- **TESTS** 
  - None.
- **CALCULATIONS** 
  - None.
- **QUALITY ASSURANCE** D.
  - By Miami-Dade County Department of Regulatory and Economic Resources.
- **MATERIAL CERTIFICATIONS** 
  - None.
- EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #20-1123.16
- **DRAWINGS** 
  - Drawing No. 16-08, titled "Walk-In Cooler / Freezer", sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated 10/21/2016, revision #C dated 11/12/2020, signed and sealed by Jalal Farooq, P.E., on 11/17/2020.
- **TESTS** B.
  - None. 1.
- **CALCULATIONS** 
  - None.
- **OUALITY ASSURANCE** 
  - By Miami-Dade County Department of Regulatory and Economic Resources.
- MATERIAL CERTIFICATIONS E.
  - 1. None.
- F. **OTHERS** 
  - FBC, 2020 Edition Compliance Letter prepared by Al-Farooq Corporation, dated 11/16/2020, signed and sealed by Jalal Farooq, P.E., on 11/16/2020.
- EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #21-0914.04
- **DRAWINGS** A.
  - None.
- B. **TESTS** 
  - None.
- **CALCULATIONS** 
  - None.
- **QUALITY ASSURANCE** 
  - By Miami-Dade County Department of Regulatory and Economic Resources.
- MATERIAL CERTIFICATIONS
  - None.

Proc

E-2

GA. Mehr	
Helmy A. Makar	, P.E., M.S
duct Control Section	Superviso
NOA No.	23-0720.0
<b>Expiration Date:</b>	07/13/202
Approval Date:	

### Polar King International

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### 5. NEW EVIDENCE SUBMITTED

### A. DRAWINGS

1. Drawing No. 16-08, titled "Walk-In Cooler / Freezer", sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated 10/21/2016, revision #D dated 07/18/2023, signed and sealed by Jalal Farooq, P.E., on 07/19/2023.

### 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. FBC, 2020 Edition and 2023 Edition Compliance Letter prepared by Al-Farooq Corporation, dated 07/19/2023, signed and sealed by Jalal Farooq, P.E., on 07/19/2023.

Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-0720.09

Expiration Date: 07/13/2027 Approval Date: 09/28/2023

E-3



#### SEAMLESS FIBERGLASS WALK-IN COOLER & FREEZER

URETHANE INSULATION COMPLETELY ENCASED IN FIBERGLASS. INSULATION TO BE RIGID CLOSED CELL POLYISOCYANURATE FOAM CHEMICALLY BONDED TO INTERIOR AND EXTERIOR FIBERGLASS TO FORM A ONE-PIECE STRUCTURE.

WALLS: 0.15" EXTERIOR AND 0.15" INTERIOR REINFORCED FIBERGLASS 4-3/16" ROOF: 0.15" EXTERIOR AND 0.15" INTERIOR REINFORCED FIBERGLASS 6-1/2" ROOF: 0.31" EXTERIOR AND 0.25" INTERIOR REINFORCED FIBERGLASS CONSISTING OF:

FIBERGLASS SPRAY GUN ROVING (207 YARDS PER POUND YIELD) IN GENERAL PURPOSE POLYESTER RESIN AT 33%-34% GLASS CONTENT WITH NO FILLER. 4" 1.5 OZ WOVEN GLASS CLOTH

FRAME IS PERMANENTLY ATTACHED TO FIBERGLASS STRUCTURE WITH FIBERGLASS WRAPPED OVER THE STEEL ANGLES

THE STRUCTURE CAN BE FIXED TO AN ENGINEERED CEMENT PAD WITH ANCHOR BOLTS.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

THIS PRODUCT CONTROL APPROVAL IS FOR THE WALK-IN AS SHOWN ON THESE APPROVED DRAWINGS.

UPLIFT, OVERTURNING, FOUNDATIONS, FLOOR SLAB AND OTHER ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT.

ALL ELECTRICAL, MECHANICAL DETAILS AND FIRE RATING PROVISIONS ARE NOT PART OF THIS APPROVAL AND SHALL BE PREPARED BY A REGISTERED PROFESSIONAL ENGINEER AND REVIEWD BY CORRESPONDING BUILDING

STRUCTURAL STEEL SHALL CONFORM TO ASTM DESIGNATION A-36 GALVANIZED WITH A COATING DESIGNATION OF G90 MINIMUM. MIN. Y.S. = 51,151 PSI.

POLYURETHANE SHALL BE RIGID FOAM MIN. DENSITY #2 C.F. MAX. FLAME SPREAD RATING < 25 AS PER ASTM E-84 SMOKE DEVELOPED INDEX < 185 SPONTANEOUS-IGNITION TEMPERATURE: 600-800F

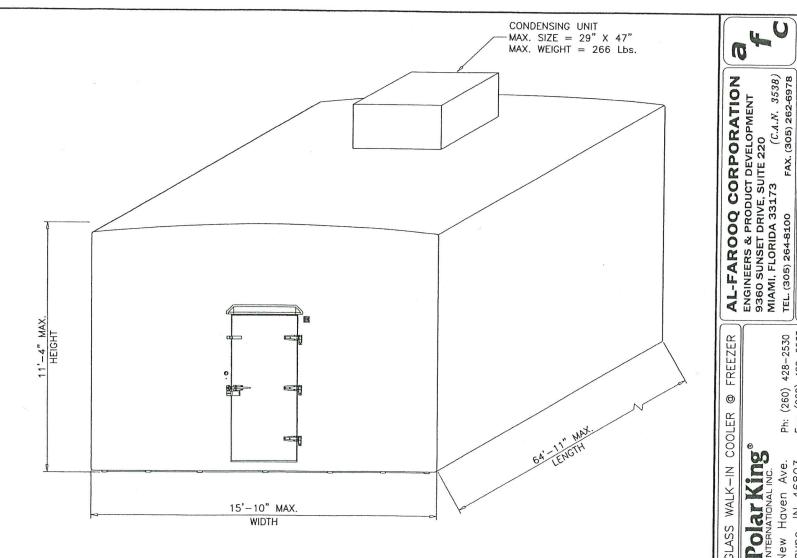
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

DESIGN IS BASED ON TESTING IN ACCORDANCE WITH FLORIDA BUILDING CODE LARGE MISSILE IMPACT TEST, TAS 201-94. CYCLIC WIND PRESSURE TEST, TAS 203-94. STATIC AIR PRESSURE TEST, TAS 202. ASTM E72 FOR COMPONENT RACKING 24 HOUR GRAVITY LOAD TEST (AIR AND WATER INFILTRATION WERE NOT TESTED)

THIS PRODUCT APPROVAL DOCUMENT IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT.

WALK-IN TO BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'



#### TYPICAL ELEVATION

5" MIN. THK. WALLS 4-3/16" MIN. THK. ROOF – 4-3/8" MIN. THK. DOOR LEAF MAXIMUM DESIGN LOAD RATING = + 70.0 PSF WALK-IN MAX. LENGTH = 64'-11" - 70.0 PSF

WALK-IN MAX. WIDTH = 9'-5"

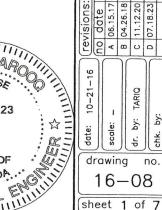
WALK-IN MAX. HEIGHT = 11'-4"

5" MIN. THK. WALLS 6-1/2" MIN. THK. ROOF 4-3/8" MIN. THK. DOOR LEAF MAXIMUM DESIGN LOAD RATING = + 70.0 PSF WALK-IN MAX. LENGTH = 64'-11"- 70.0 PSF WALK-IN MAX. WIDTH = 15'-10"WALK-IN MAX. HEIGHT = 11'-4"

MAX. RACKING LOAD (ROOF PANELS) = 325 Lbs./LIN. FT. OF PANEL LENGTH MAX. RACKING LOAD (WALL PANELS) = 640 Lbs./LIN. FT. OF PANEL LENGTH

> PRODUCT REVISED as complying with the Florida JUL 1 J 2023

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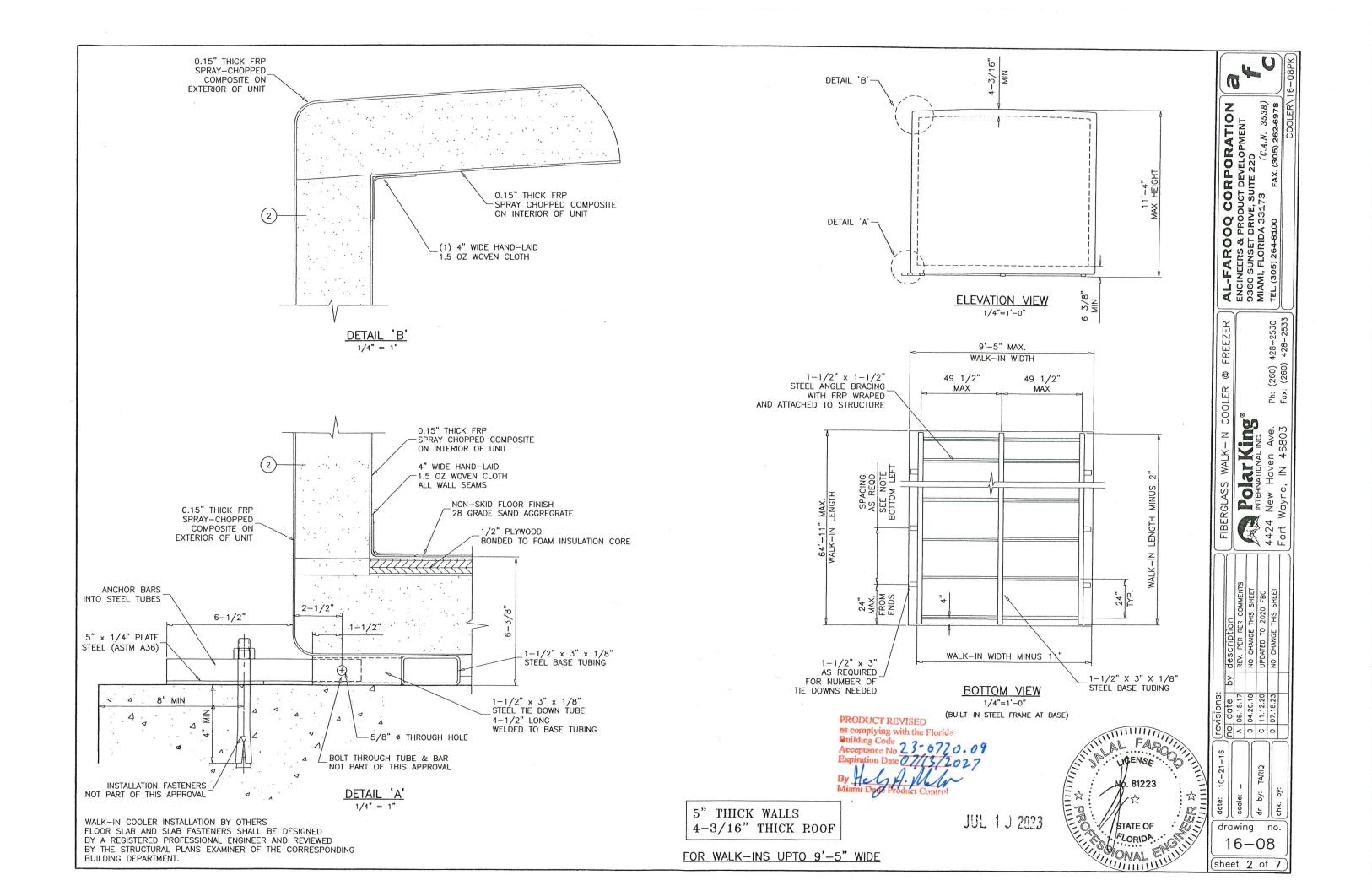
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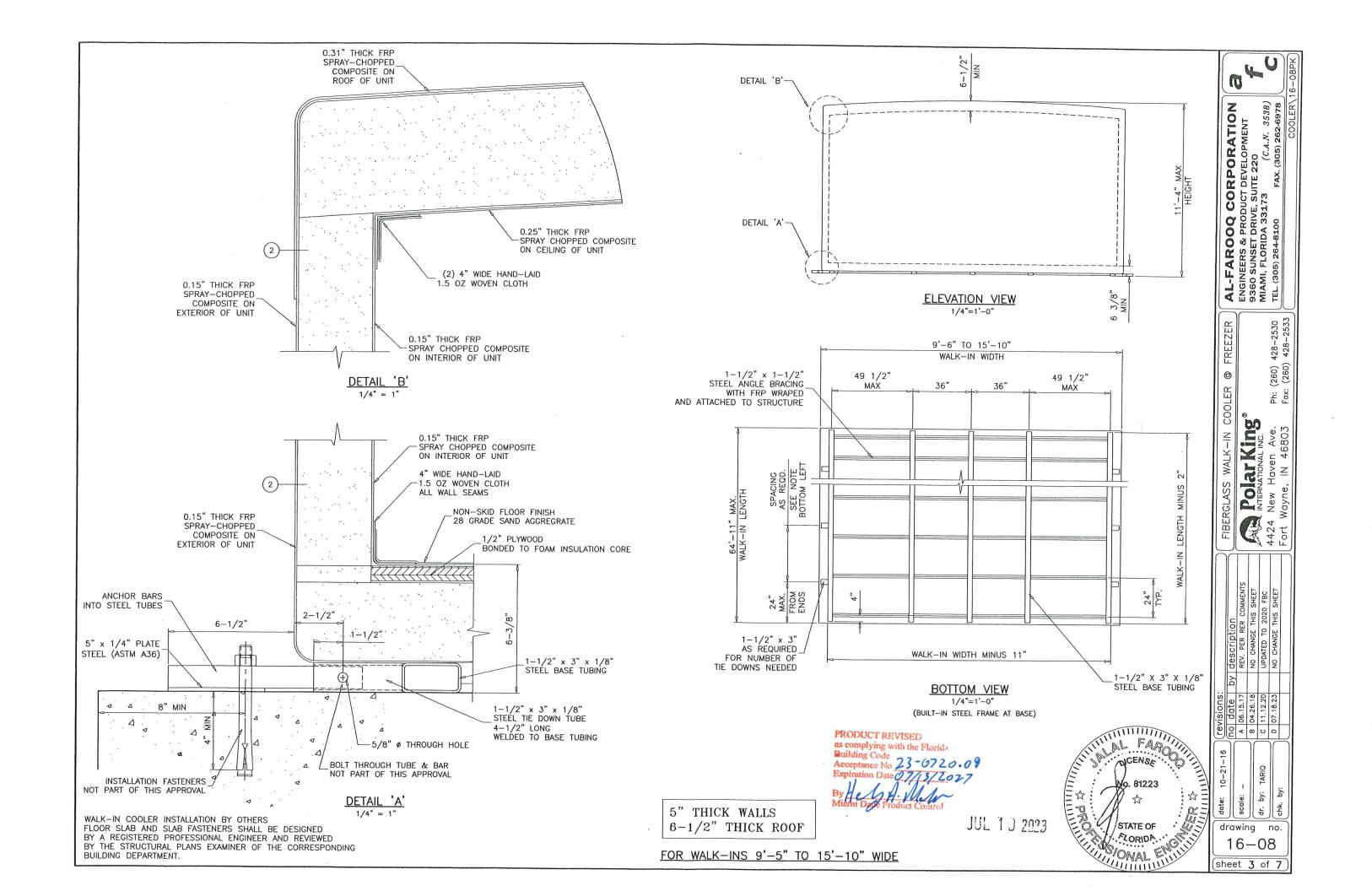
Polar King

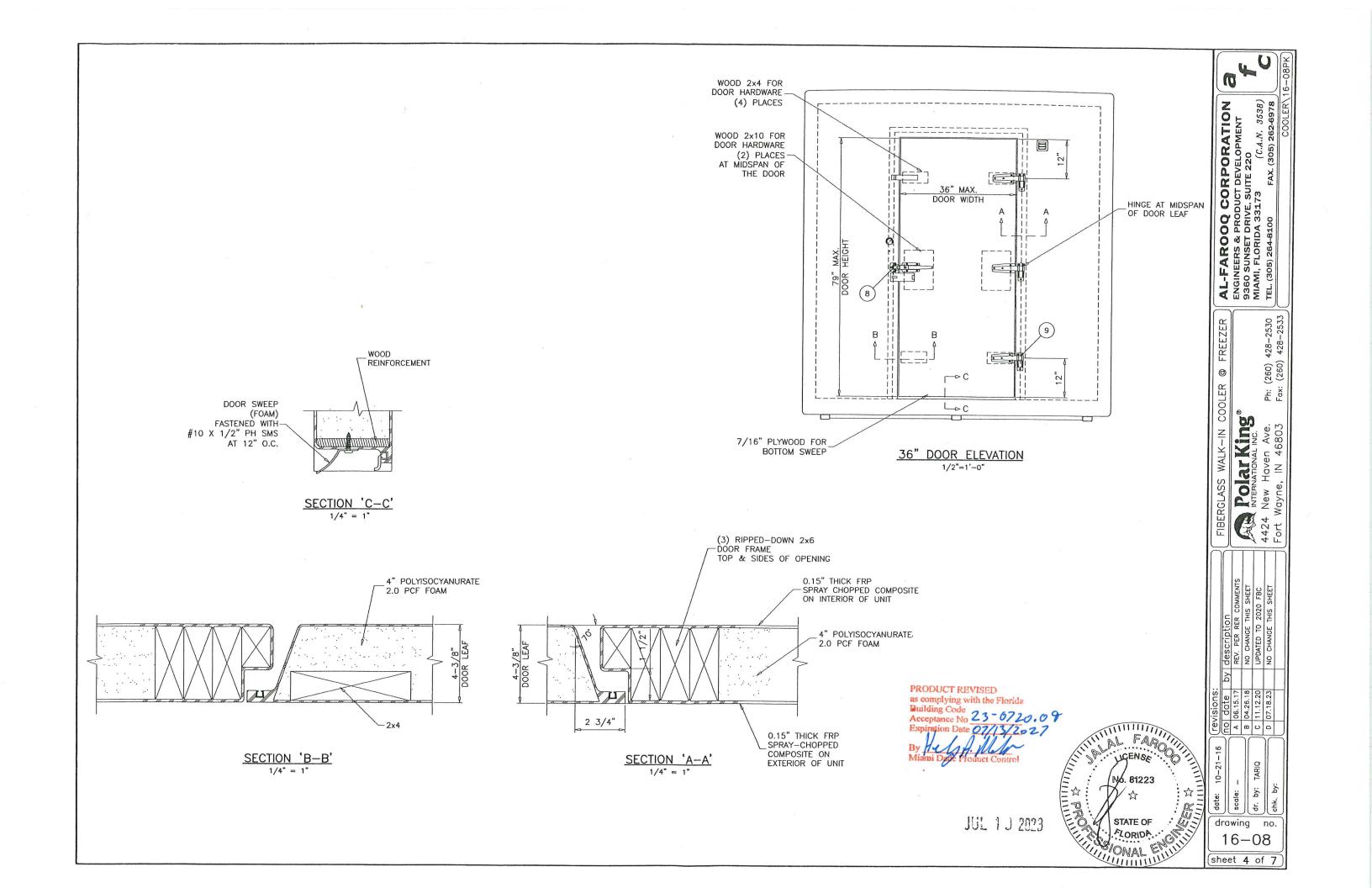
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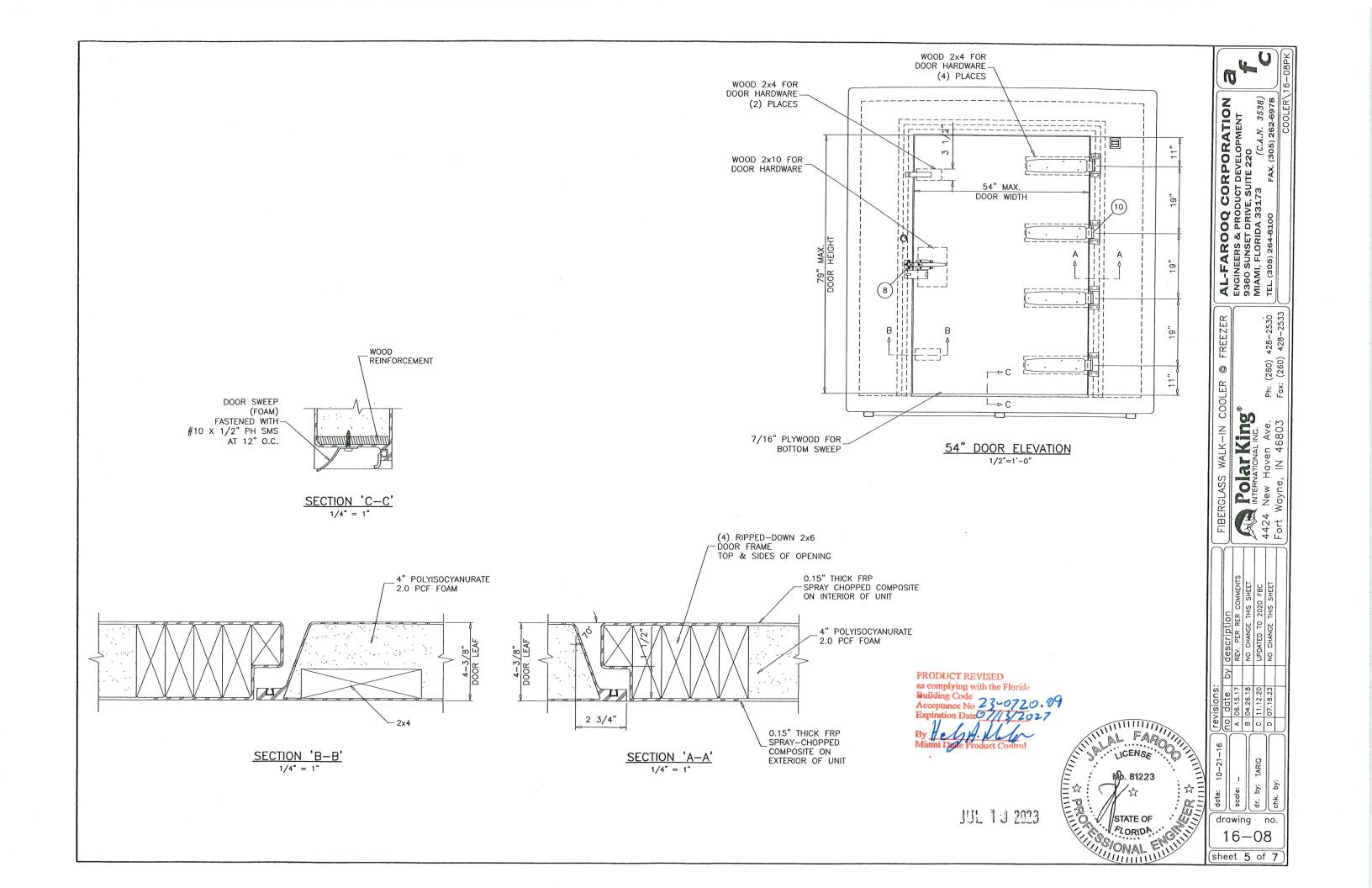
by:

no.









ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS	
1	_	_	INTERIOR AND EXTERIOR SKIN	FIBERGLASS	SEE SHEET 1	
2	-	_	WALK-IN INSULATION	POLYISOCYANURATE	ELFOAM, (SEE SHEET 1)	
3	_	-	FLOOR SURFACE COATING	SAND AGGREGATE	28 GRADE	
4	_	_	FLOOR BASE	PLYWOOD	1/2" THK.	
4A	_	_	DOOR BASE	PLYWOOD	7/16" THK.	
5	_	-	DOOR GASKET	-	JEAN'S EXTRUSIONS, PLASTIC WITH MAGNET	
6	-	1	DOOR TRIM	ST. STEEL	20 GA.	
7	_	1	DOOR BOTTOM SWEEP	FOAM	1/8" RUBBER	
7A	#10 X 1/2"	AS REQD.	DOOR SWEEP FASTENERS	ST. STEEL	PH SMS	
8	0056	1	DOOR LATCH	ST. STEEL	KASON	
8A	1/4 X 1-3/4"	AS REQD.	LATCH FASTENERS	ST. STEEL	MACHINE HEAD SMS	
9	1245	3/ LEAF	CAM LIFT HINGE	-	KASON	
9A	1/4 X 1-3/4"	AS REQD.	CAM HINGE FASTENERS	ST. STEEL	MACHINE HEAD SMS	
10	1277	3/ LEAF	HEAVY DUTY HINGE	-	KASON	
10A	1/4 X 1-3/4"	AS REQD.	H.D. HINGE FASTENERS	ST. STEEL	LAG SCREWS	
11	VS2000	1	DOOR CLOSER	ST. STEEL	DICTATOR	
11A	#10 X 3/4"	AS REQD.	DOOR CLOSER FASTENERS	ST. STEEL	PAN HEAD SMS	
12	_	AS REQD.	ANCHOR BAR	CARBON STEEL	A36, Fu MIN. = 56 KSI	
12A	5/8" X 4"	1 /BAR	ANCHOR BAR FASTENER	-	GRADE 8 A307 STEEL BOLT/NUT/WASHER	
13	_	AS REQD.	SHIM PLATE (5" X 9" X 1/4")	CARBON STEEL	A36, Fu MIN. = 56 KSI	
14	_	AS REQD.	BASE FRAME (1-1/2" X 3" X 1/8")	CARBON STEEL	A36, Fu MIN. = 56 KSI	
14A	_	AS REQD.	TIE DOWN TUBE (1-1/2" X 3" X 1/8" X 4-1/2" LONG)	CARBON STEEL	A36, Fu MIN. = 56 KSI	
15	_	AS REQD.	ANGLE BRACING (1-1/2" X 1-1/2" X 1/8")	CARBON STEEL	A36, Fu MIN. = 56 KSI	
16	_	-	2X6 WOOD	-	SOUTHERN PINE, CUT DOWN AS NEEDED	
16A	_	_	2X4 WOOD	-	SOUTHERN PINE	
16B	_	_	2X10 WOOD	-	SOUTHERN PINE	

## AL-FAROOQ CORPORATION | ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 | MIAMI, FLORIDA 33173 | (C.A.N. 3538) | TEL. (305) 264-8100 | FAX. (305) 262-6978 | Ph: (260) 428-2530 Fax: (260) 428-2533 0 FIBERGLASS WALK-IN COOLER Polar King®
4424 New Haven Ave.
Fort Wayne, IN 46803 | Cevisions: | Cev CENSE

No. 81223

STATE OF

STATE OF

SORIDA

WILLIAM

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dr. by: TARIO
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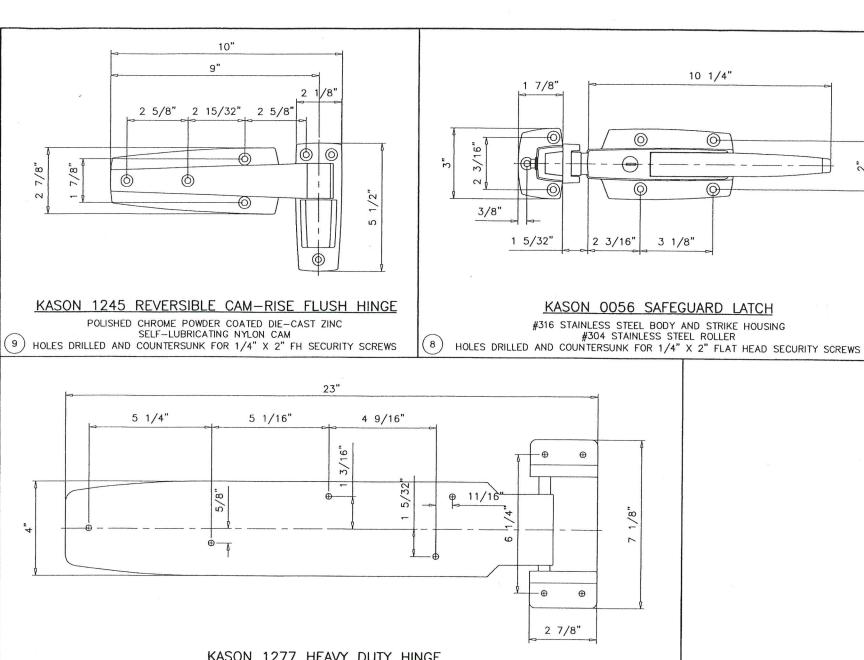
16-08 sheet 6 of 7

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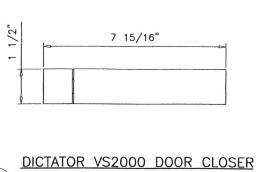
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 23-6720.09
Expiration Date 07/13/2027
By Holder Product Control

JUL 1 J 2023



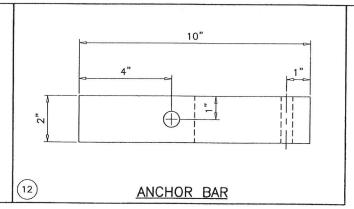
KASON 1277 HEAVY DUTY HINGE

POLISHED CHROME POWDER COATED DIE-CAST ZINC SECURED TO DOOR LEAF WITH 5/16" X 2" HEX HEAD LAG BOLTS AND SECURED TO PANEL WITH 3/8" X 3" HEX HEAD LAG BOLTS



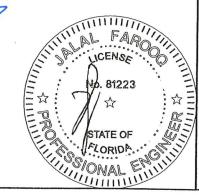
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STAINLESS STEEL BODY AND STRIKE HOUSING



PRODUCT REVISED as complying with the Florida Building Code
Acceptance No
Expiration Date 07/13/2027

JUL 1 J 2023



		description	REV. PER RER	NO CHANGE THE	UPDATED TO 20	NO CHANGE THE	
		by					
	revisions:	date	A 06.15.17	B 04.26.18	C 11.12.20	D 07.18.23	
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

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COOLER

Polar King

INTERNATIONAL INC.

4424 New Hoven Ave.

Fort Wayne, IN 46803