

#### DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION NOTICE OF ACCEPTANCE (NOA)

### TKO Doors, Div. of 4Front Engineered Solutions, Inc. N56 W24701 N. Corporate Circle Sussex, WI 53089

**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: Model VC-2 WL Dock Plastic Sectional Garage Door up to 10ft.-0in. Wide x 12ft.-0in. High

**APPROVAL DOCUMENT:** Drawing No. **23-60376**, titled "Fiberglass Dock Doors VC-2 WL Overhead Garage Door", sheets 1 through 7 of 7, dated 07/31/20, with revision dated 11/15/23, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control Revision stamp with the NOA 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, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**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 a dvertising 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 and renews NOA No. 20-0901.14 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.



17/22/24

NOA No. 24-0226.08 Expiration Date: March 13, 2029 Approval Date: August 01, 2024 Page 1

## TKO Doors, Div. of 4Front Engineered Solutions, 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 No. 13-0521.05)*
- 2. Drawing No. 20-26619, titled "Fiberglass Dock Doors VC-2 WL Overhead Garage Door", sheet 1 through 7 of 7, dated 05/06/13, with revision dated 07/31/20, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E. (Submitted under NOA No. 20-0901.14)

## **B. TESTS**

- Test report on Airflow (Infiltration and Exfiltration) Rate, per ASTM E283-04 of a Verticool 2" (VC-2) WL dock door, prepared by Intertek/ATI, Test Report No. E7174.01-602-18, dated 07/21/15, signed and sealed by Justin P. McDonald, P.E. (Submitted under NOA No. 18-1226.06)
- 2. Addendum letter to Test Report No. C3614.01-602-18, dated 09/09/13, signed and sealed by Shawn G. Collins, P.E.
  - (Submitted under NOA No. 13-0521.05)
- 3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 2) Large Missile Impact Test per FBC, TAS 201-94
    - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
    - 4) Forced Entry Test, per FBC, TAS 202-94

along with marked-up drawings and installation diagram of Verticool Doors, prepared by Architectural Testing, Inc., Test Report No. **C3614.01-602-18**, dated 03/28/13, signed and sealed by Shawn G. Collins, P.E.

# (Submitted under NOA No. 13-0521.05)

Test report on Self-ignition Temperature per ASTM D1929, Smoke Density Rating per ASTM D2843 and Rate of Burn per ASTM D635 of various plastic door components, prepared by Architectural Testing, Inc., Test Report No. C2850.01-106-18, dated 11/21/12, signed and sealed by Gary T. Hartman, P.E. (Submitted under NOA No. 13-0521.05)

## C. CALCULATIONS

 Jamb anchor calculations prepared by Engineering Express, dated 05/05/15, signed and sealed by Frank L. Bennardo, P.E. (Submitted under NOA No. 15-0916.10)

## D. QUALITY ASSURANCE

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

Manuel Perez, P.E. Product Control Examiner NOA No. 24-0226.08 Expiration Date: March 13, 2029 Approval Date: August 01, 2024

## TKO Doors, Div. of 4Front Engineered Solutions, Inc.

## **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

### 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

#### E. MATERIAL CERTIFICATIONS

 Test report on Flame Spread Index and Smoke Developed Index per UL-723 of EXPS foam insulation, Test Report No. BRYX.R3573 dated 07/12/10. (Submitted under NOA No. 13-0521.05)

#### F. STATEMENTS

 Statement letter of conformance, complying with FBC 7<sup>h</sup> Edition (2020), dated August 04, 2020, issued by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

## (Submitted under NOA No. 20-0901.14)

2. Statement letter of no financial interest, dated August 04, 2020, issued by manufacturer Engineering Express, signed and sealed by Frank L. Bennardo, P.E. *(Submitted under NOA No. 20-0901.14)* 

#### G. OTHERS

1. Notice of Acceptance No. **18-1226.06**, issued to TKO Doors, Div. of 4Front Engineered Solutions, Inc, for their Model VC-2 WL Dock Plastic Sectional Garage Door up to 10'-0" Wide x 12'-0" High, approved on 02/07/19 and expiring on 03/13/24.

Manuel Perez, P.E. Product Control Examiner NOA No. 24-0226.08 Expiration Date: March 13, 2029 Approval Date: August 01, 2024

# **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

## 2. NEW EVIDENCE SUBMITTED

### A. DRAWINGS

1. Drawing No. 23-60376, titled "Fiberglass Dock Doors VC-2 WL Overhead Garage Door", sheets 1 through 7 of 7, dated 07/31/20, with revision dated 11/15/23, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, 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. None.

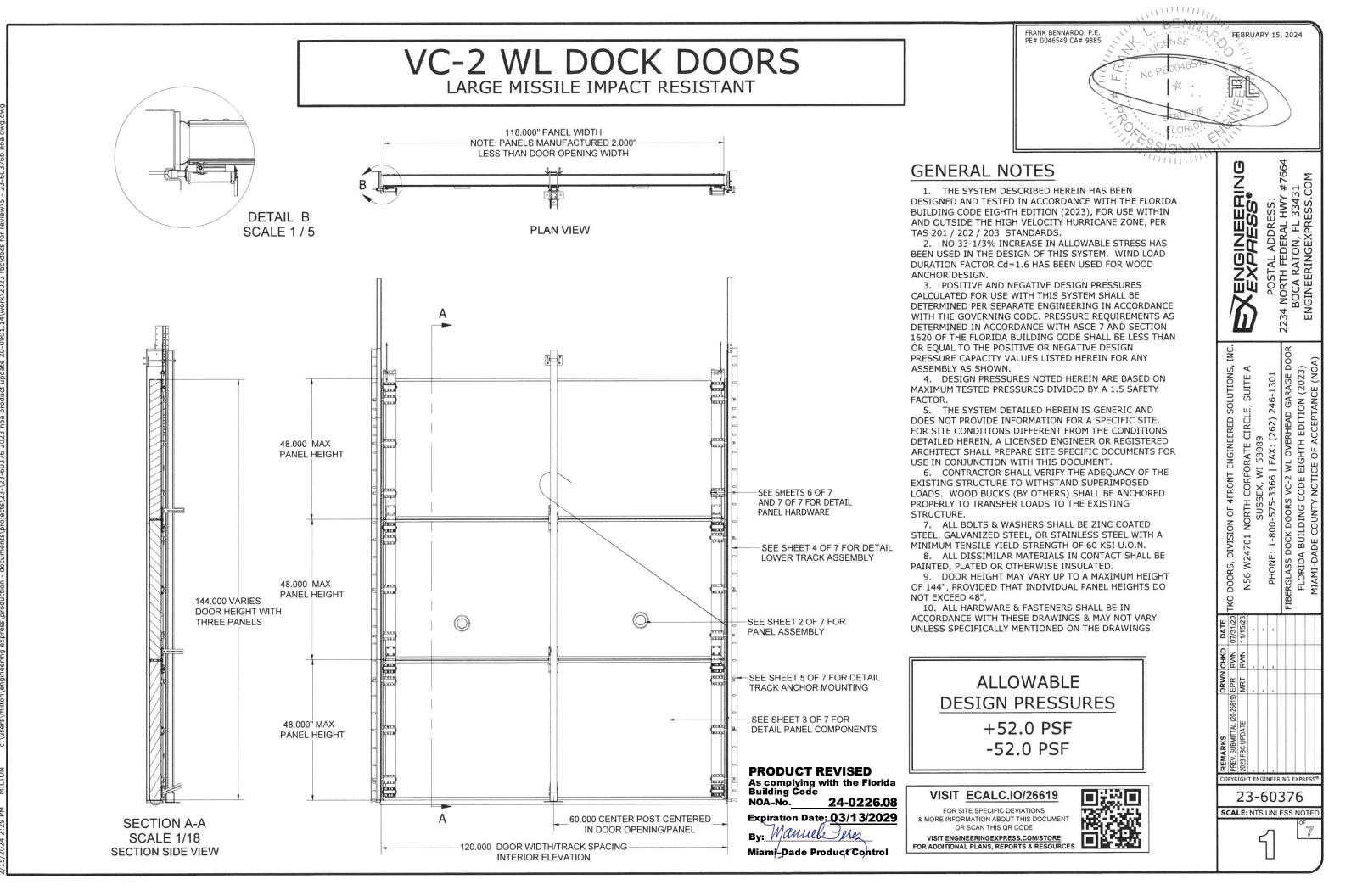
## F. STATEMENTS

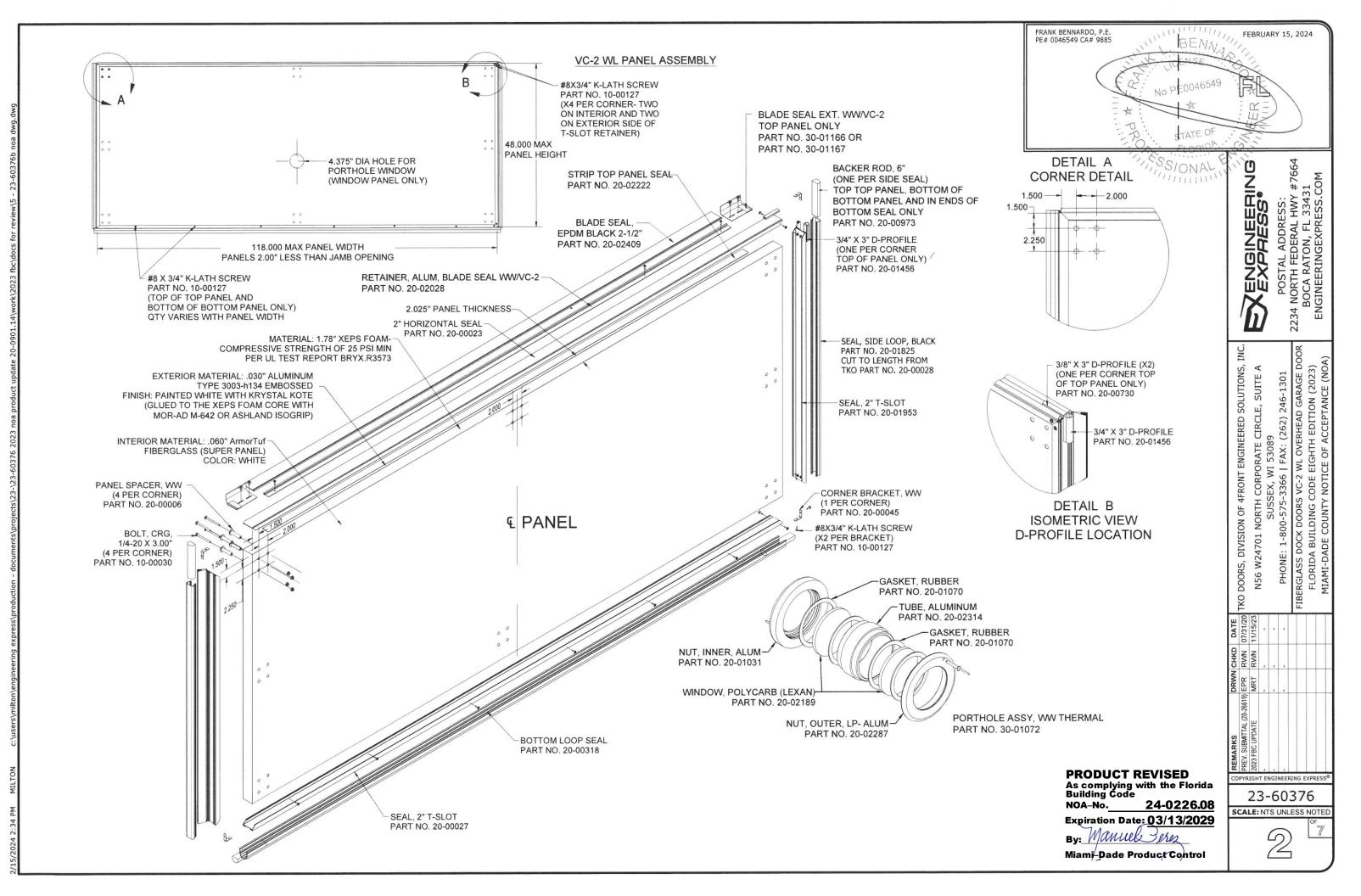
- Statement letter of conformance, complying with FBC 8<sup>h</sup> Edition (2023), dated May 14, 2024, issued by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.
- 2. Statement letter of conformance, complying with FBC 8<sup>h</sup> Edition (2023), dated November 20, 2023, issued by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.
- **3.** Statement letter of no financial interest, dated November 20, 2023, issued by manufacturer Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

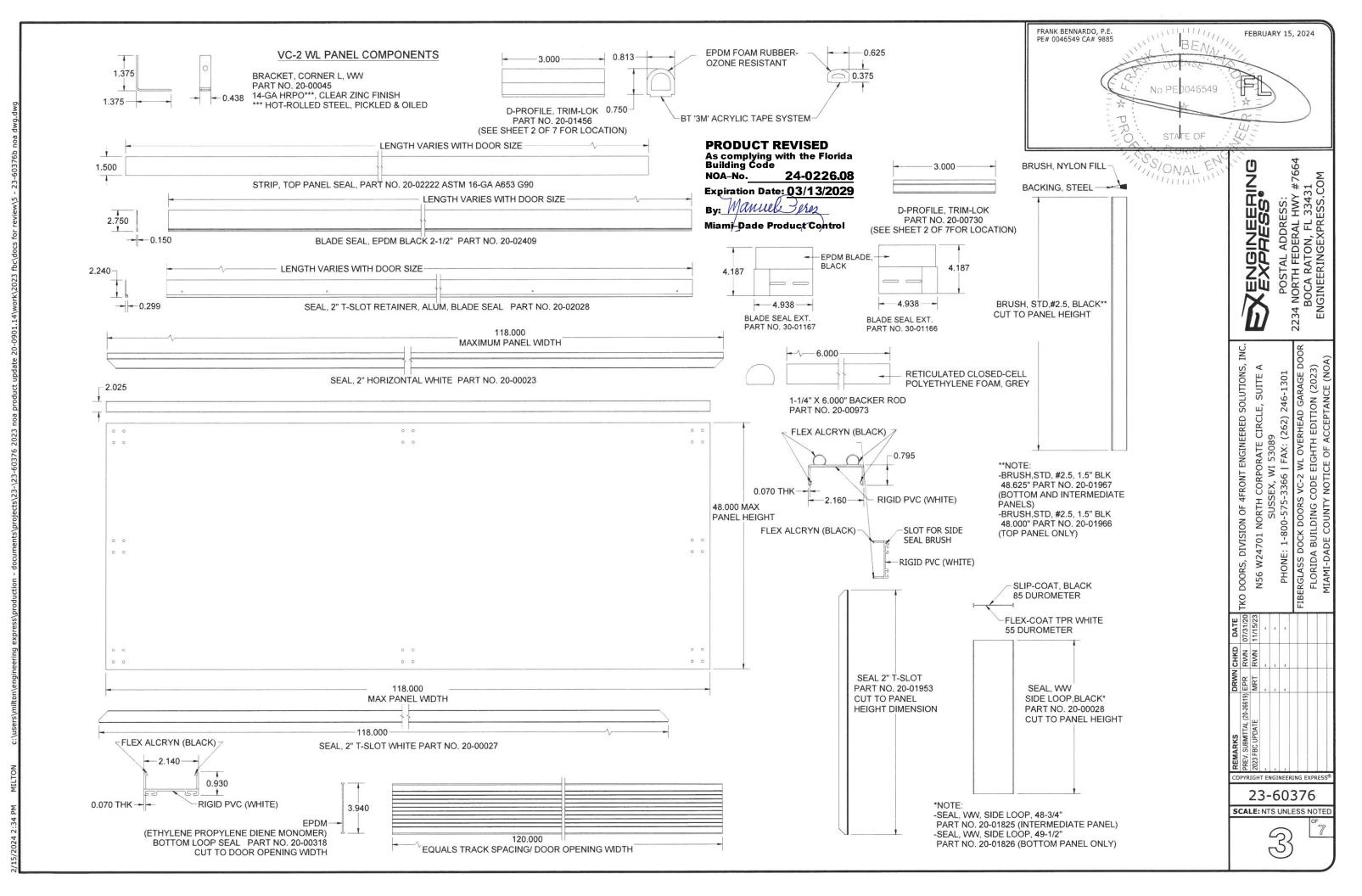
# G. OTHERS

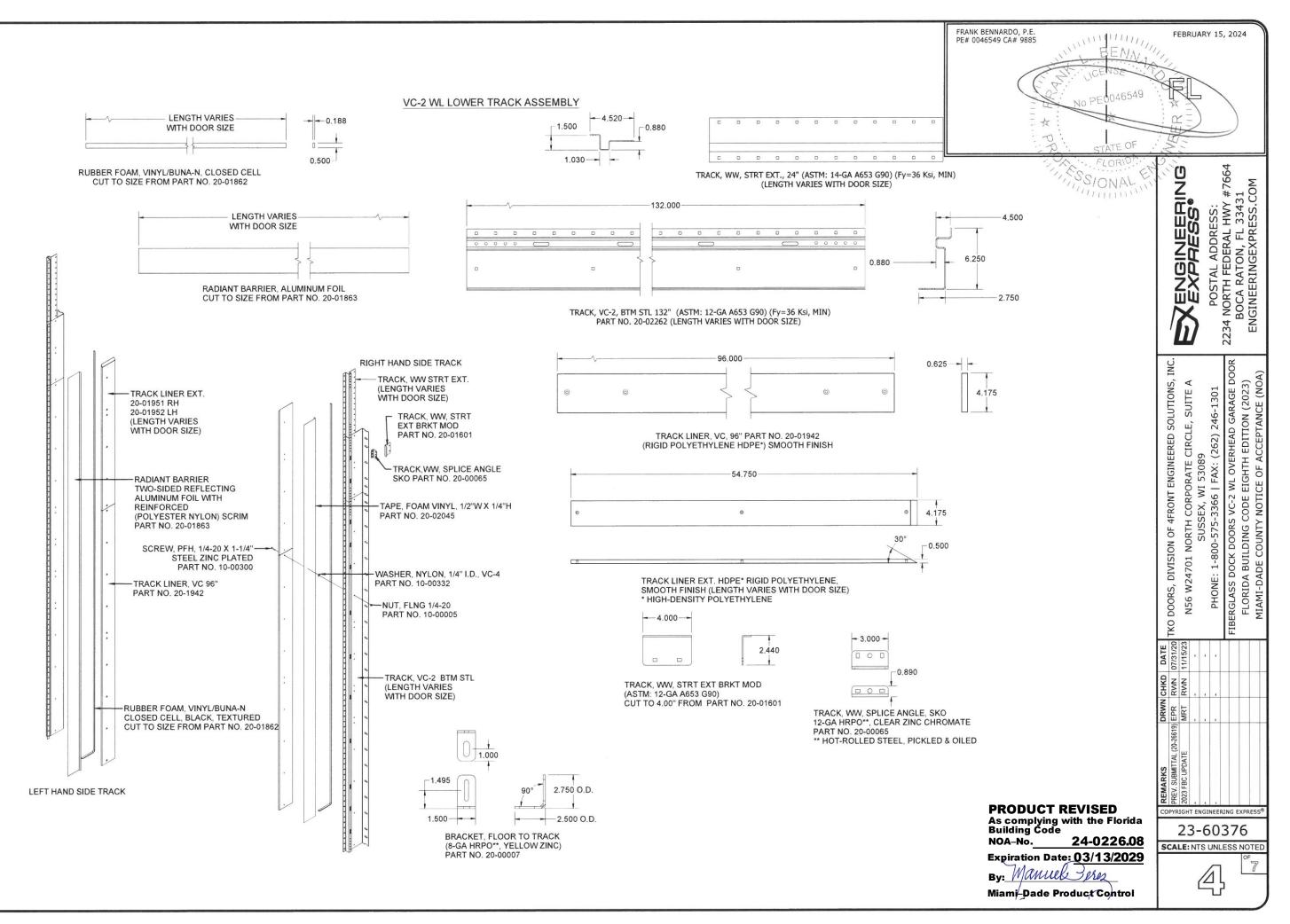
 Notice of Acceptance No. 20-0901.14, issued to TKO Doors, Div. of 4Front Engineered Solutions, Inc, for their Model VC-2 WL Dock Plastic Sectional Garage Door up to 10'-0" Wide x 12'-0" High, approved on 11/12/20 and expiring on 03/13/24.

Manuel Perez, P.E. Product Control Examiner NOA No. 24-0226.08 Expiration Date: March 13, 2029 Approval Date: August 01, 2024

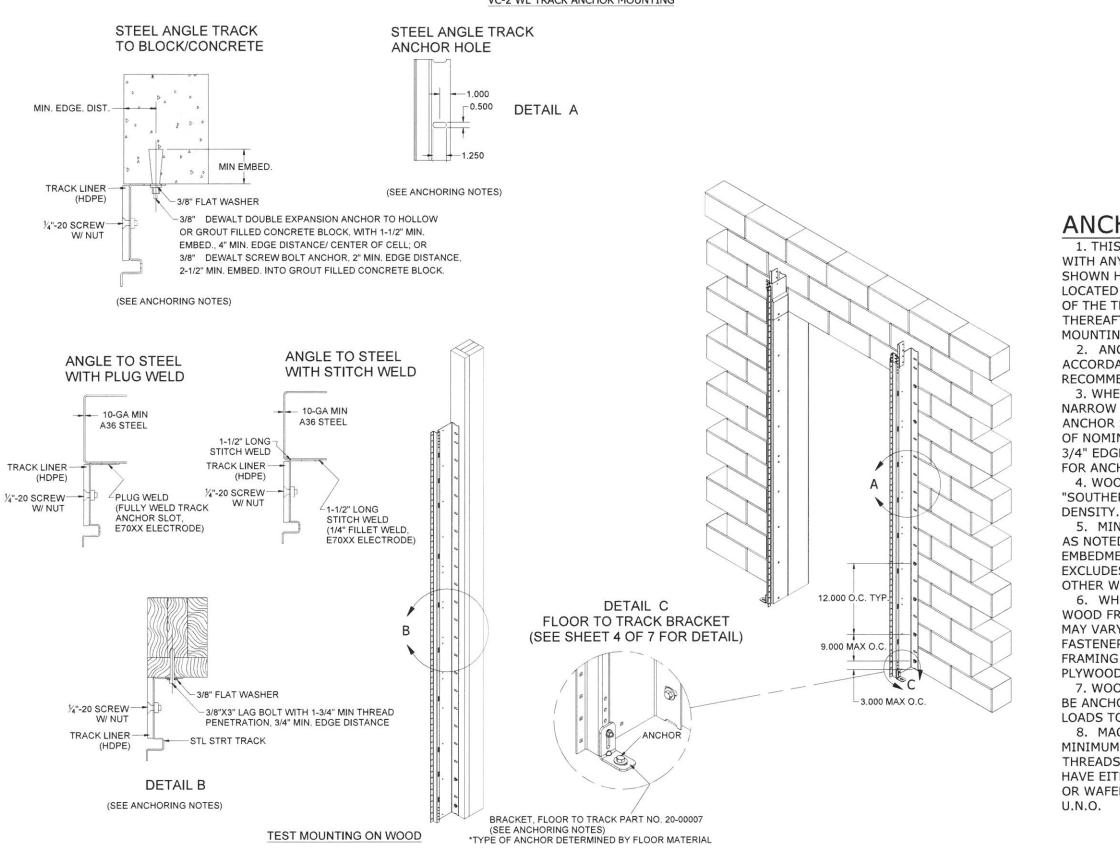








#### VC-2 WL TRACK ANCHOR MOUNTING



| FRANK BENNARDO, P.E.                                     | FEBRUARY 15, 2024  |
|--|--|
| PE# 0046549 CA# 9885                                     | 1 EDROART 13, 2024   |
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| LODING NOTES   | POSTAL ADDRESS<br>POSTAL ADDRESS:<br>2234 NORTH FEDERAL HWY #7664<br>BOCA RATON, FL 33431<br>ENGINEERINGEXPRESS.COM  |
| HORING NOTES:  |  |
| S SYSTEM SHALL BE ANCHORED                               |  |
| Y OF THE ANCHORING METHODS                               | A m N  |
| HEREIN, WITH (2) ANCHORS                                 | Ξ Ś  |
| 3" AND 12" FROM THE BOTTOM                               | N  |
| RACK AND 12" O.C. MAX<br>TER OR EVERY OTHER              | JR VC.   |
| IG SLOT.   | <ul> <li>ION OF 4FRONT ENGINEERED SOLUTIONS, INC.</li> <li>I NORTH CORPORATE CIRCLE, SUITE A<br/>SUSSEX, WI 53089</li> <li>B00-575-3366   FAX: (262) 246-1301</li> <li>K DOORS VC-2 WL OVERHEAD GARAGE DOOR</li> <li>ILDING CODE EIGHTH EDITION (2023)</li> <li>COUNTY NOTICE OF ACCEPTANCE (NOA)</li> </ul>   |
| CHORS SHALL BE INSTALLED IN                              | ON OF 4FRONT ENGINEERED SOLUTIONS,<br>NORTH CORPORATE CIRCLE, SUITE A<br>SUSSEX, WI 53089<br>00-575-3366   FAX: (262) 246-1301<br>DOORS VC-2 WL OVERHEAD GARAGE D<br>DOORS VC-2 WL OVERHEAD GARAGE D<br>DING CODE EIGHTH EDITION (2023)<br>OUNTY NOTICE OF ACCEPTANCE (NO.   |
| ANCE WITH MANUFACTURERS'                                 | ON OF 4FRONT ENGINEERED SOLUTION<br>NORTH CORPORATE CIRCLE, SUITE<br>SUSSEX, WI 53089<br>00-575-3366   FAX: (262) 246-1301<br>DOORS VC-2 WL OVERHEAD GARAGE<br>DING CODE EIGHTH EDITION (202:<br>OUNTY NOTICE OF ACCEPTANCE (N   |
| ENDATIONS.   | Solu<br>Solu<br>GA<br>GA<br>Solu<br>AN   |
| RE ANCHORS FASTEN TO                                     | CLE<br>CLE   |
| FACE OF STUD FRAMING,                                    | CCE 26:  |
| SHALL BE LOCATED IN CENTER                               | OF 4FRONT ENGINEE<br>ORTH CORPORATE C<br>SUSSEX, WI 53089<br>-575-3366   FAX: (7<br>-575-3366   FA |
| NAL 2x (MIN) WOOD STUD (i.e.                             | RA<br>53(<br>53(<br>53(<br>1 O<br>1 O  |
| E DISTANCE IS ACCEPTABLE                                 |  |
| HORS TO WOOD FRAMING).                                   | CC-136(  |
| DD HOST STRUCTURE SHALL BE<br>RN PINE" G=0.55 OR GREATER | 4FF  |
| RN PINE G-0.55 OK GREATER                                | OF<br>SUS<br>SUS<br>SUS<br>SUS<br>SUS<br>SUS<br>SUS<br>SUS<br>SUS<br>SU  |
| NIMUM EMBEDMENT SHALL BE                                 |  |
| D IN ANCHOR DETAIL. MINIMUM                              | /IS)<br>201<br>201<br>301<br>201   |
| ENT AND EDGE DISTANCE                                    | DIV<br>247<br>247<br>247<br>247<br>5 DG<br>5 DG<br>5 DG  |
| S STUCCO, FOAM, BRICK, AND                               | TKO DOORS, DIVISI<br>N56 W24701<br>PHONE: 1-80<br>FIBERGLASS DOCK<br>FLORIDA BUII<br>MIAMI-DADE C  |
| ALL FINISHES.  | V56<br>V56<br>V56<br>V56   |
| ERE EXISTING STRUCTURE IS                                | M BEF  |
| RAMING, EXISTING CONDITIONS                              |  |
| Y. FIELD VERIFY THAT<br>RS ARE INTO ADEQUATE WOOD        | DATE<br>7/31/20<br>1/15/23<br>-  |
| MEMBERS, NOT INTO  | DATE<br>07/31/20<br>11/15/23<br>-<br>-   |
| ).   |  |
| DD BUCKS (BY OTHERS) SHALL                               | RWN<br>RWN<br>   |
| ORED PROPERLY TO TRANSFER                                | DRWN         CHKD           EPR         RVN           MRT         RVN           MRT         -           -         -  |
| D THE EXISTING STRUCTURE.                                |  |
| CHINE SCREWS SHALL HAVE                                  | REMARKS<br>PREV. SUBMITTAL (20-26619)<br>2023 FBC UPDATE<br>-<br>-   |
| OF 1/2" ENGAGEMENT OF                                    | TE 10  |
| S IN BASE ANCHOR AND MAY                                 | S MITTA  |
| HER A PAN HEAD, TRUSS HEAD,                              | ARK<br>SUBA<br>BC U  |
| R HEAD ("SIDEWALK BOLT")                                 | REMARKS<br>PREV. SUBMITTAL<br>2023 FBC UPDATE  |
| PRODUCT REVISED  | COPYRIGHT ENGINEERING EXPRESS®   |
| As complying with the Florida                            |  |
| Building Čode<br>NOA-No. 24-0226.08                      | 23-60376   |
| Expiration Date: 03/13/2029                              | SCALE: NTS UNLESS NOTED  |
| TAR  |  |
| By: Manuele Perez  | <u>الم</u>   |
| Miami-Dade Product Control                               |  |
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