LIF Industries, Inc.
5 Harbor Park Drive,
Port Washington, NY 11050

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 “Models WS” Single Outswing Steel Doors - LMI

APPROVAL DOCUMENT: Drawing No.17-218 (former 16-064), titled “WS-CO2, WS-CO1 & WS-MO1” Outswing Commercial Steel Doors, sheets 1 through 9 of 9, dated 08/11/17, prepared by Tiltco Inc., signed and sealed by Walter A. Tillit Jr., 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 Missile Impact Resistant

Limitation:
1. See Design Pressure in sheet 1. These Single doors are not rated for water infiltration requirements, unless protected by overhang/canopy complying w/ FBC requirements.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and 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.

This NOA revises # 16-1018.08 consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
   1. Manufacturer's die drawings and sections (submitted under file below)
   2. Drawing No. "16-064, titled "WS-CO2, WS-CO1 & WS-MO1" Outswing Commercial Steel Doors, sheets 1 through 9 of 9, dated 02/10/17, prepared by Tilteco Inc., signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS (submitted under file # 16-1018.08)
   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 (see door approval)
      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, TAS 202-94

   Along with marked-up drawings and installation diagram of Single steel doors w/ cylindrical and Mortise locking hardware, prepared by National Certified Testing lab, Inc., Test Report No. NCTL-110-19221-1, dated 07/07/16, signed and sealed by Harold E. Rupp, P.E.
   (Note: This test report has been revised by addendum letters dated 01/13/17, issued by National Certified Testing lab, signed and sealed by Harold E. Rupp, P.E.)

C. CALCULATIONS
   1. Anchor Verification Calculations, complying w/ FBC-2014, dated 06-14-16, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

D. QUALITY ASSURANCE
   1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS
   1. Tensile Test per ASTME08-15A, test report No. F832.01-106-18, dated 05/31/16, issued by Intertek/Architectural Testing Laboratory, signed and sealed by Joseph A. Reed, P.E.

F. STATEMENTS
   1. Statement letter of conformance to FBC 2014(5th Edition) and letter of no financial interest, dated 06/28/2016, signed and sealed by Walter A. Tillit Jr., P.E.
   2. Statement letter dated DEC 01, 2016, issued by Mark, USA to authorize LIF Industry Inc., the joint test report#NCTL-110-19130-1 (LIF door system/Mark USA locks) to obtain door system NOA approval, signed by George Marks, president.
   3. Lab compliance letter, part of the test report.

G. OTHER
   1. Test proposal # 15-1231R, dated 09/18/15 approved by RER.
   2. Technical Boucher of Mark USA/Alarm lock System.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0830.12
Expiration Date: February 23, 2022
Approval Date: November 30, 2017
LIF Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New Evidence submitted

A. DRAWINGS
   1. Manufacturer’s die drawings and sections
   2. Drawing No.17-218 (former 16-064), titled “WS-CO2, WS-CO1 & WS-MO1” Outswing Commercial Steel Doors, sheets 1 through 9 of 9, dated 08/11/17, prepared by Tilteco Inc., signed and sealed by Walter A. Tillit Jr., P.E.
   Note: This revision consist of only changes to general notes#1, 4, 5, 10 and 13, in compliance of FBC 2017 edition.

A. 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

G. OTHER
   1. This NOA revises NOA # 16-1018.08, expiring 02/23/2022

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0830.12
Expiration Date: February 23, 2022
Approval Date: November 30, 2017
GENERAL NOTES AND SPECIFICATIONS:

1. MODELS WS-CO2, WS-CO1 & WS-MO1 OUTSWING COMMERCIAL STEEL DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2017 (6th EDITION) OF THE FLORIDA BUILDING CODE. DOOR MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.

2. ALL COMPONENTS SHALL BE AS SPECIFIED ON APPLICABLE DETAIL SHEETS AND AT BILL OF MATERIALS (SHEET 4) OF THIS DRAWING.

3. COMPLIANCE OF EGRESS / ESCAPE REQUIREMENTS OF THESE DOORS PER FLORIDA BUILDING CODE TO BE DETERMINED BY BUILDING OFFICIALS ON A CASE-BY-CASE BASIS.

4. ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 KSI YIELD POINT AND 90 ksi TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.

5. ALL WELDING TO CONFORM W/AMERICAN WELDING SOCIETY A.W.S. D.1.3 AND D-19.0 REGULATIONS WITH E60X ELECTRODES, FOR GALVANNEAL MATERIAL.

6. ALL ANCHORS FOR DOOR FRAME CONNECTIONS TO EXISTING STRUCTURE SHALL BE AS SPECIFIED ON SHEET 7 OF THIS DRAWING. MAXIMUM ANCHORS SPACING SHALL BE AS PER ELEVATIONS ON SHEET 2 OF THIS DRAWING.

7. THESE DOORS WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.

8. THESE DOORS WERE TESTED FOR AIR INFLATION, BUT NOT FOR WATER INFLATION, THEREFORE DESIGN PRESSURE RATING INDICATED ON GENERAL NOTE 1 IS APPROVED FOR WHERE WATER INFLATION REQUIREMENT IS NOT NEEDED. WHERE WATER INFLATION IS NEEDED, DESIGN PRESSURE RATING INDICATED ON GENERAL NOTE 1 IS APPROVED ONLY WHEN FRAME IS PROVIDED IMMEDIATELY ABOVE THE DOOR LOCATION COVERING THE ENTIRE WIDTH OF DOOR AND PROJECTING OUT A DISTANCE EQUAL OR LARGER THAN THE DOORS HEIGHT. NOT APPROVED IF THE ABOVE CONDITION IS NOT COMPLIED WITH.

9. PROVIDE SPECIFIED SEALANT AT ALL DOOR FRAME & THRESHOLD COMPONENTS INDICATED ON THIS DRAWING.

10. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE AND MUST BE SOUTHERN PINE W/ G=0.55, AND SHALL COMPLY W/ SECTIONS 2411.3.3.3; 2326 OF THE FLORIDA BUILDING CODE.

11. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO SUSTAIN THE SUPERIMPOSED LOADS TRANSFERRED BY THESE DOORS.

12. (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEPART FROM THE P.A.D.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEPART FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(d) ORIGINAL P.A.D. SHALL BEAR THE DATE, SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

13. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION 1709.5 OF THE FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.
Model WS-C02:
9 Lock - MARKS-USA175 Series Cylindrical Lock with 130 Series Deadbolt

Model Set WS-C01:
10 Lock - MARKS USA 195 Series Cylindrical Lockset

Model WS-M01:
12 Lock - MARKS USA 5 Series Mortise Lockset with Deadbolt

TYPICAL EXTERIOR ELEVATIONS

A.S.D. DESIGN LOAD +90.0, -90.0 psf
HARDWARE INSTALLATION DETAILS AT DOOR PANEL

Model WS-C02:
9 Lock - MARKS USA 175 Series Cylindrical Lock with 11 130 Series Deadbolt

Model Set WS-C01:
10 Lock - MARKS USA 195 Series Cylindrical Lockset

Model WS-M01:
12 Lock - MARKS USA 6 Series Mortise Lockset with Deadbolt
<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HM Welded Frame</td>
<td>16Ga (0.057&quot;) A-40 Steel, Fu= 55.2Ksi, Fy= 49.2Ksi</td>
<td>5 3/4&quot; Minimum Jamb Depth x 2&quot; Face</td>
</tr>
<tr>
<td>2</td>
<td>HM Door,Lockseam,Honeycomb,Flush</td>
<td>18Ga (0.048&quot;) A-40 Steel @ Skin</td>
<td>1 3/4&quot; Thick, w/ Paper Honeycomb Core</td>
</tr>
<tr>
<td>3</td>
<td>Top and Bottom Channel</td>
<td>16Ga (0.057&quot;) A-40 Steel</td>
<td>Spot welded to Door skins @ 4&quot; o.c.</td>
</tr>
<tr>
<td>4</td>
<td>Strike Box for 4 7/8&quot; Strike (Frame) w/ Lock Face Plate</td>
<td>16Ga (0.057&quot;) A-40 Steel</td>
<td>Spot welded to Strike Jamb, &amp; w/ (2) #12-24 MS</td>
</tr>
<tr>
<td>5</td>
<td>Tab for Deadlock Strike Rein. (Frame)</td>
<td>11Ga (0.119&quot;) Steel</td>
<td>Zinc plated w/ (4) #6-32 Screws</td>
</tr>
<tr>
<td>6</td>
<td>Strike Box for 2 3/4&quot; Strike (Frame) w/ Lock Face Plate</td>
<td>16Ga (0.057&quot;) A-40 Steel</td>
<td>Spot welded to Strike Jamb, &amp; w/ (2) #8-32 MS</td>
</tr>
<tr>
<td>7</td>
<td>Lock Box for Cyl./DL Reinforcements (Door)</td>
<td>16Ga (0.057&quot;) A-40 Steel</td>
<td>Spot welded to Lock edge of Door, &amp; w/ (2) #8-32 MS</td>
</tr>
<tr>
<td>8</td>
<td>Lock Box for Mortise Lock (Door)</td>
<td>14Ga (0.075&quot;) A-40 Steel</td>
<td>Spot welded to Lock edge of Door, &amp; w/12-24 MS</td>
</tr>
<tr>
<td>9</td>
<td>Marks USA series 175 Cyl.Lockset, Grade 2</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>10</td>
<td>Marks USA series 195 Cyl.Lockset, Grade 1</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>11</td>
<td>Marks USA series 130 Deadbolt, Grade 1</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>12</td>
<td>Marks USA series 5 Mortise Lock w/ Deadbolt, Grade 1</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>13</td>
<td>Hinges 4.5&quot; x 4.5&quot; Std x 1/2&quot;</td>
<td>Steel (0.134&quot;)</td>
<td>Finish may vary, w/ (8)#12-24 x 1/2&quot;MS (3 per jamb). See Sht. 9</td>
</tr>
<tr>
<td>14</td>
<td>Hinge Reinforcements</td>
<td>7Ga (0.179&quot;) Steel</td>
<td>Zinc plated, 3 each per Door and Frame</td>
</tr>
<tr>
<td>15</td>
<td>Threshold National Guard Products #950 NA</td>
<td>6063-T6 Aluminum Alloy</td>
<td>0.078&quot; Thk. w/ neoprene bulb</td>
</tr>
<tr>
<td>16</td>
<td>Weatherstrip National Guard Products #120 NA</td>
<td>Aluminum / Neoprene</td>
<td>Secured with (2) #6 x 3/4&quot; SMS screws @ 4&quot; o.c.</td>
</tr>
<tr>
<td>17</td>
<td>Z-Clip Anchors</td>
<td>16Ga (0.057&quot;) A-40 Steel</td>
<td>4 per Jamb</td>
</tr>
<tr>
<td>18</td>
<td>Caulking: GE Silicone II</td>
<td>Silicone</td>
<td>Exterior Frame Sealant</td>
</tr>
<tr>
<td>19</td>
<td>Threshold Anchor</td>
<td>Case Hardened Steel</td>
<td>1/4&quot;Ø Ultracoat by Elco Construction Products, 1 3/4&quot; Min. Emb. &amp; 3&quot; Min. E.D @ fci=3ksi Concrete Sill</td>
</tr>
</tbody>
</table>
DOOR PANEL DETAIL

Section A-A
Scale 3/4" = 1'-0"

Isometric

Section through Edge Seam

Scale 6" = 1'-0"
Typical Hinges Reinforcement Detail For Frames
"WS-C01", "WS-C02", "WS-M01" w/ Anchor 17

Typical Strike Box Detail For Frames
"WS-C01", "WS-C02", "WS-M01"w/ Anchor 17

Detail Y
1. Diemittered corner cont. welded inside faces & at returns
2. Caulk complete inside corner with GE silicone II 18

Detail Y
1. Diemittered corner cont. welded inside faces & at returns
2. Caulk complete inside corner with GE silicone II 18
Typical Hinge Reinforcement Detail X For Doors
"WS-C01", "WS-C02", "WS-M01"