Daybar Industries Limited  
50 West Drive  
Brampton, Ontario, Canada L6T 2J4

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: Outswing Series LS 18 GA Skin Flush Commercial Double & Single Doors w/
Series AS Frame

APPROVAL DOCUMENT: Drawing No. 17-010, titled “Outswing Series LS 18GA Skin Flush
Commercial Double & Single Steel Door w/ Series AS 16GA Frame”, sheets 1 through 14 of 14, including
2A, 2B, 8A and 9A dated 11/11/17, with Revision 1 dated 03/21/18, prepared by Tilteco, Inc, signed and
sealed by Walter A. Tillit, Jr., P.E., bearing the Miami-Dade County Product Control Acceptance stamp with
the Notice of Acceptance number and approval 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, Brampton,
Ontario, Canada, 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.
This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned
above.
The submitted documentation was reviewed by Jorge M. Plasencia, P.E.

NOA No. 17-1227.15
Expiration Date: May 31, 2023
Approval Date: May 31, 2018
Page 1
Daybar Industries Limited

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. 17-010, titled “Outswing Series LS 18GA Skin Flush Commercial Double & Single Steel Door w/ Series AS 16GA Frame”, sheets 1 through 14 of 14, including 2A, 2B, 8A and 9A dated 11/11/17, with Revision 1 dated 03/21/18, prepared by Tilteco, Inc, signed and sealed by Walter A. Tillit, Jr., P.E.

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, TAS 202-94

   along with marked-up drawings and installation diagram of an outwing steel door, prepared by Fenestration Testing Laboratory Inc., Test Report No. 9690, dated 10/23/17, and revised 03/05/18 signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS


D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Tensile test report prepared by prepared by Fenestration Testing Laboratory Inc, Test Report No. 9690, tested per ASTM E8, dated 10/23/17 and revised 03/05/18, signed and sealed by Idalmis Ortega, P.E.

F. STATEMENTS

1. Distributor Agreement, dated 05/01/18, between manufacturer: Daybar Industries Limited and distributor: Daybar Southeast Manufacturing, Inc., signed by Mark Dodson and David Ball on behalf of their respective companies.

   Jorge M. Plasencia, P.E
   Product Control Unit Supervisor
   NOA No. 17-127.15
   Expiration Date: May 31, 2023
   Approval Date: May 31, 2018

E - 1
Daybar Industries Limited

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (continued)
   3. Statement letter of no financial interest, dated 11/13/17, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.
   4. Test Proposal #17-0443, dated 05/22/17, issued by RER.

G. OTHER
   1. None.

Jorge M. Plasencia, P.E
Product Control Unit Supervisor
NOA No. 17-127.15
Expiration Date: May 31, 2023
Approval Date: May 31, 2018
GENERAL NOTES AND SPECIFICATIONS:

1. OUTSWING SERIES LS 18GA SKIN FLUSH COMMERCIAL DOUBLE & SINGLE STEEL DOOR W/ SERIES "AS" 16GA FRAME 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.

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-10 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON SHEET 2.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON SHEET 2.

THIS DOOR'S ADEQUACY FOR WIND AND IMPACT LOAD HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1628 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-302, TAS-203 AS PER PENETRATION TESTING LABORATORY, INC. REPORT # 9690, AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1616 OF THE FLORIDA BUILDING CODE.

2. ALL COMPONENTS SHALL BE AS SPECIFIED ON APPLICABLE DETAIL SHEETS AND AS BILL OF MATERIALS (SHEET 6) 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 ON 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 E60XX ELECTRODES, FOR GALVANIZED MATERIAL, AND W/AMERICAN WELDING SOCIETY A.W.S. D.1.6 REGULATIONS W/ E-308 ELECTRODES (FU=60ksi) FOR STAINLESS STEEL MATERIAL.

6. ALL ANCHORS FOR DOOR FRAME CONNECTIONS TO EXISTING STRUCTURE SHALL BE AS SPECIFIED ON SHEETS 2 & 2A OF THIS DRAWING. MAXIMUM ANCHORS SPACING SHALL BE AS ELEVATIONS ON SHEETS 2 & 2A OF THIS DRAWING.

7. PROVIDE MAX. LOAD BEARING SHIM SPACE AS INDICATED ON SHEETS 8, 8A, 9 & 9A.

8. THIS DOOR WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.

9. THESE DOOR ASSEMBLIES ARE APPROVED FOR WATER AND AIR INFRINGEMENT AS PER TESTING INDICATED ON GENERAL NOTE 1, AND SHALL BE LIMITED TO DESIGN PRESSURE RATINGS INDICATED ON SHEET 2.

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

11. ALL EXISTING WALLS (STRUCTURE) WHERE DOOR IS TO BE INSTALLED MUST BE BUILT IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND SHALL BE DESIGNED TO SUSTAIN THE SUPERIMPOSED LOADS TRANSFERRED BY THE DOOR SYSTEM.

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

13. (c) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER, DESIGNER OR ARCHITECT, DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE DIFFERS 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 DEViate 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 ALTED BY ANY MEANS.

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

14. 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.

SHEETS CONTENT:

SHEET # INDEX, COVER SHEET & GENERAL NOTES.
SHEET #2A & #2A ASSEMBLY ELEVATIONS (DOUBLE & SINGLE DOORS RESPECTIVELY).
SHEET #2B OPTIONAL EMBOSSED DOOR ELEVATIONS.
SHEET #3-5 COMPONENTS.
SHEET #6 BILL OF MATERIALS.
SHEET #7 VERTICAL SECTION AT DOOR PANEL FRAME & DOOR PANEL CONSTRUCTION.
SHEET #8, #8A, #9A HORIZONTAL SECTION (DOUBLE & SINGLE DOORS RESPECTIVELY).
SHEET #10-11 VERTICAL SECTION DETAILS 1 & 2 AT HARDWARE.
SHEET #12 DETAILS 3 & 4 AT HARDWARE.
SHEET #13 DETAIL OF Z ASTRAGAL.
SHEET #14 CORNER DETAILS.

THIS DRAWING SHALL ONLY BE USED TO OBTAIN PERMITS IN THE STATE OF FLORIDA.
EXTERIOR ELEVATION (OUTSWING) DOUBLE DOOR
VON-DURN 98426 - CONCEALED VERTICAL ROD EXIT DEVICE
HOLLOW CONCRETE BLOCK & LEFT & RIGHT W/ @ AT JAMBS

A.S.D. DESIGN LOAD
+70.0 psf, -70.0 psf

MORTISE DEVICE W/ DOOR BOLT & ACTIVE & FLUSH BOLT & INACTIVE
HOLLOW CONCRETE BLOCK & LEFT & RIGHT W/ @ AT JAMBS

CYLINDRICAL LOCK & ACTIVE & FLUSH BOLT & INACTIVE
HOLLOW CONCRETE BLOCK & LEFT & RIGHT W/ @ AT JAMBS

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)
DOOR END CHANNEL REINFORCEMENT

MATERIAL:
18 GAUGE (0.051) MINIMUM GALVANNEAL

RP REINFORCING
GAGE 14 (0.072) MINIMUM RP REINFORCING GALVANNEAL

COMPONENTS (CONTINUED)
# Bill of Materials: Outswing Door

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Basic Dimensions, Material or Additional Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>16 Gauge Welded Frame</td>
<td>AS 5 3/4&quot; x 3/4&quot; JAMB Depth x 2&quot; FACE x .015&quot; MIN. GALVAANIZED (Fy=32ksi, fy=3ksi)</td>
</tr>
<tr>
<td>2</td>
<td>10 Gauge Flush Door Commercial Steel</td>
<td>1 3/4&quot; THICK x .041&quot; MIN. GALVAANIZED (Fy=52ksi, fy=42ksi) C/W PAPER HONEYCOMB</td>
</tr>
<tr>
<td>3</td>
<td>Hinge Reinforcements (ODD)</td>
<td>1 1/2&quot; x 12&quot; x 10 GAUGE GALVAANIZED (134 MIN)</td>
</tr>
<tr>
<td>4</td>
<td>Hinge Reinforcements (FRMD)</td>
<td>1 1/2&quot; x 12&quot; x 10 GAUGE GALVAANIZED (134 MIN)</td>
</tr>
<tr>
<td>5</td>
<td>Wire Masonry Frame Anchor</td>
<td>9 1/2&quot; x 10 GAUGE (134 MIN) Fy=95.9 KSI fy=40.2 KSI</td>
</tr>
<tr>
<td>6</td>
<td>EMA Anchor Bolts</td>
<td>3/8&quot; x 5&quot; STEEL UNICORN-SLEEV ANCHOR, 2 1/4&quot; EMBEDMENT &amp; 3&quot; MIN. E.D.</td>
</tr>
<tr>
<td>7A</td>
<td>EMA Butterfly Anchor (Part #PTI-008)</td>
<td>10 GAUGE (0.042&quot;) STEEL SATIN CDA</td>
</tr>
<tr>
<td>8A</td>
<td>Hinges-Hager B3191</td>
<td>4 1/4&quot; x 4&quot; STANDARD WEIGHT (134 THICK)</td>
</tr>
<tr>
<td>9</td>
<td>VDN Duprim #9847 CVR Exit Device</td>
<td>FASTENED W/ (4) 10-24 x 1&quot; PH MS W/SEX BOLT &amp; (2) 10-24 x 3/4&quot; PH MS W/SEX BOLT</td>
</tr>
<tr>
<td>10</td>
<td>Mortise Device: Schlage L9000 Series W/Deadbolt</td>
<td>FASTENED W/ (2) 8-32 x 1/4&quot; FH MS, FLUSH MOUNT METALLIC STRIKE PLATE FASTENED W/ (2) 12 x 3/4&quot; FH SMS</td>
</tr>
<tr>
<td>11</td>
<td>Cylindrical Lock Schlage D Series</td>
<td>FASTENED W/ (2) 10-32 x 3/8&quot; FH MS, FLUSH MOUNT METALLIC STRIKE PLATE FASTENED W/ (2) 12 x 3/4&quot; FH SMS</td>
</tr>
<tr>
<td>12</td>
<td>Weather Strip: National Guard Products #120NA</td>
<td>SECURED WITH DOUBLE ROD OF #6 X 1/2&quot; SMS SCREWS &amp; 1&quot; FROM EA. END &amp; BALANCE &amp; 4&quot; D.C.</td>
</tr>
<tr>
<td>13</td>
<td>Threshold National Guard Products #950NA</td>
<td>EXTRUDED ALUMINUM 6063-T6, 0.078&quot; THK. W/NEOPRENE BULB</td>
</tr>
<tr>
<td>14</td>
<td>Caulking Ge Silicone II</td>
<td>N/A</td>
</tr>
<tr>
<td>15</td>
<td>Door End Channel Reinforcement</td>
<td>16 GAUGE GALVAANIZED STEEL</td>
</tr>
<tr>
<td>16</td>
<td>Door Surface Closer Reinforcement</td>
<td>14 GAUGE (0.072&quot; MIN) x 3 1/2&quot; x 1.6075 x 16.250&quot; LONG. GALVAANIZED</td>
</tr>
<tr>
<td>17</td>
<td>RR Reinforcement</td>
<td>14 GAUGE (0.072&quot; MIN) GALVAANIZED</td>
</tr>
<tr>
<td>18</td>
<td>#161 Lock Edge Reinforcement</td>
<td>16 GAUGE (0.051&quot; MIN)</td>
</tr>
<tr>
<td>19</td>
<td>Threshold Anchor</td>
<td>1/4&quot; ULTRACONS BY ELCO CONSTRUCTION PRODUCTS, 1 3/4&quot; MIN. EMBEDMENT &amp; 3&quot; MIN. E.D @ F'c=3ksi CONCRETE SILL</td>
</tr>
<tr>
<td>20</td>
<td>Mortise Lock Reinforcement Coated Steel</td>
<td>ANSI #A151.1 #86, 0.072&quot;MIN.</td>
</tr>
<tr>
<td>21</td>
<td>Split Astragal W/Neoprene Bulb</td>
<td>ZERO #32B</td>
</tr>
<tr>
<td>22</td>
<td>2 Astragal W/NGP Neoprene Gasket</td>
<td>12 GAUGE (0.094&quot; MIN), 2 PCS.</td>
</tr>
<tr>
<td>23</td>
<td>CVR Mounting Tab</td>
<td>14 GAUGE (0.072&quot; MIN), GALVAANIZED</td>
</tr>
<tr>
<td>24</td>
<td>Flushbolt Rockwood 556 WS</td>
<td>12 GAUGE (0.094&quot; MIN), GALVAANIZED</td>
</tr>
<tr>
<td>25</td>
<td>Guide Fdr #3</td>
<td>GALVAANIZED</td>
</tr>
<tr>
<td>26</td>
<td>Reversible Flushbolt Reinforcing Guide Plate</td>
<td>16 GAUGE (0.051&quot; MIN)</td>
</tr>
<tr>
<td>27</td>
<td>Flushbolt Strike Plate</td>
<td>12 GAUGE (0.094&quot; MIN)</td>
</tr>
<tr>
<td>28</td>
<td>Flat Flushbolt Reinforcing for Strike #4</td>
<td>12 GAUGE (0.094&quot; MIN)</td>
</tr>
</tbody>
</table>

**Florida Building Code (High Velocity Hurricane Zone)**

---

**WALTER A. TILLI, JR.**
**State of Florida**
**No. 44167**

**FLORIDA TEST LAB, INC.**
46017 TILCO, INC.
OUTSWING SERIES LS 18GA SKIN FLUSH COMMERCIAL DOUBLE & SINGLE STEEL DOOR W/ SERIES "AS" 18GA FRAME

**DAYBAR INDUSTRIES LTD.**
50 WILD CAT TRAIL
TULLY, NY 13152

**PRODUCT APPROVED**

17-1227.15
Approval Date: 05/31/2018

**M.L. DRAWN BY:**

**LESS COMMENTS 05/17/19**

**SHR IN**: 06 OF 14
SECTION A1-A1 AT DOOR PANEL/FRAME

LOCKSEAM FILLED WITH 3M 540 OR LORD 7610DMM

3/4" CELL PAPER HONEYCOMB BONDED TO FACE SHEET WITH CONTACT ADHESIVE HELMIBOND # B320-1, ALTERNATE ADHESIVES JDWATHERM 609.30 & DURAL UH-1077

DOOR BACK OR NARROW SIDE

DOOR BACK OR NARROW SIDE

DOOR FRONT OR WIDE SIDE

BOTH DOOR EDGES 1/8" IN 2° BEVEL

VERTICAL SECTION AT DOOR PANEL

DOOR SECTION THROUGH EDGE SEAM, DETAIL X

DOOR SECTION THROUGH EDGE SEAM, DETAIL X'

HONEYCOMB CORE

CONTINUOUS CAULK BOTH SIDES (TYP.)

CONT. BEADS OF E UNDER O

CONCRETE BED/B.

WATER A. TILLIVAR LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER

PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. 17-1227.15
Approval Date 05/31/2018.

MIDWEST Product Control

DRAWING NO.

DRAWING BY

DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

OUTSWING SERIES LS 18GA SKIN FLUSH COMMERCIAL DOUBLE & SINGLE STEEL DOOR W/ SERIES "LS" 18GA FRAME

DAYBAR INDUSTRIES LTD.
90 WEST DRP, BRANTON,
905 850-8000 TEL: 905 625-4204

M.L.

P.E. SEAL/SIGNATURE/DATE

STATE OF FLORIDA

P.E. SEAL/SIGNATURE/DATE

17-010

DRAWING NO.

W-521 E/640-2017
VON DUPRIN #9847F CVR EXIT DEVICE 11 ISOMETRIC

SECTION A2-A2
DETAIL 1: VD #338 CVR STRIKE IN FRAME HEAD

DETAIL 2: VD #385A BOTTOM STRIKE IN THRESHOLD/FLOOR
DOOR SURFACE CLOSER REINFORCEMENT (19) CLIPPED TO DOOR AT TOP EDGE

1. DIEMETERED CORNER CONT. WELDED INSIDE FACES & AT RETURNS
2. CAULK COMPLETE INSIDE CORNER WITH GE SILICONE II

DETAIL Y

CORNER DETAIL Y