Quality Engineered Products Co., Inc.
4506 Quality Lane
Tampa, FL 33634

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 16 ga Outswing Single Glazed Commercial Steel Door-Impact

Approval Document: Drawing No. QEP003, titled "Single Glazed Door (Outswing)", sheets 1 through 6 of 6, prepared by manufacturer, dated 02/26/16 and last revised on 01/31/18, signed and sealed by Cody Davis, 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

Limitations:
1. Doors are 16 ga (min .063" thk) with min CS Tensile yield strength $F_y= 46.3$ ksi and Tensile ultimate strength $F_u= 52.1$ Ksi and SS Tensile yield strength $F_y= 50.5$ ksi and Tensile ultimate strength $F_u= 98.5$ Ksi.
2. Approved EPS core by Dynaplast (Former Apache), having current NOA

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", 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 # 15-0422.07 and 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 Ishaq I. Chanda, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS
   1. Manufacturer's die drawings and sections (Submitted under file below)
   2. Drawing No. QEP003, titled "Single Glazed Door (Outswing)", sheets 1 through 6 of 6, prepared by
      manufacturer, dated 02/26/16, signed and sealed by Cody Davis, P. E.

B. TESTS (Submitted under file #12-1115.07/#09-0604.08)
   1. Test reports on
      i. Air Infiltration Test, per FBC TAS 202-94
      ii. Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
      iv. Large Missile Impact Test per FBC, TAS 201-94
      v. Cyclic Wind Pressure Loading per FBC, TAS 203-94
      vi. Forced Entry Test, per FBC and TAS 202-94

   Along with marked-up drawings and installation diagram of Single Outswing /Inswing Flush and
   Glazed Commercial Steel Doors, prepared by Architect Testing Lab Inc., Test Report No. 84528.01-
   401-18, dated May 19, 2009 (This test report was last revised on 11/06/09), signed and sealed by
   Joseph A. Reed.

C. CALCULATIONS
   1. Anchor verification calculations, complying with FBC-2014, prepared, signed, sealed and dated
      05/17/16, by Cody Davis, P.E.
   2. Glazing complies w/ ASTME-1300-02 & 04.

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

E. MATERIAL CERTIFICATIONS
   1. Tensile test report prepared by prepared by Architect Testing, Test Report No. 84528.01-401-18,
      tested per ASTM E8-03, dated 11/09/09 signed and sealed by Joseph A. Reed, P. E. (Submitted
      under file #12-1115.07/#09-0604.08)
   2. Notice of Acceptance No. 11-0926.07 issued to Dyplastic Products, LLC (former Apache
      Products Co) for “EPS-Expanded Polystyrene Insulation”, expiring on 01/11/2017.
   3. Notice of Acceptance No. 14-0423.15 issued to Eastman chemical Company (Former Solutia,
      Inc.) for “Saflex CP - Saflex and Saflex HP Composite Glass interlayer w/ PET core”, expiring

F. STATEMENTS (Submitted under file #12-1115.07)
      interest” issued, prepared, signed, sealed and dated 05/17/16 by Cody Davis, P. E.
   2. Statement letter dated 05/17/16 of successor engineer adopting as his own, another engineer's
      work per FAC, Rule Chapter 61G15-27, issued by Master Consulting Engineers, Inc., both
      signed and sealed by Cody Davis, P. E.
   3. Statement letter of compliance, as a part of the above referenced test reports.

G. OTHER
   1. This revises NOA #14-0910.02, expiring December 30, 2019.

Ishiq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1102.05
Expiration Date: December 30, 2019
Approval Date: February 22, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


A. DRAWINGS
1. Drawing No. QEP003, titled “Single Glazed Door (Outswing)”, sheets 1 through 6 of 6, prepared by manufacturer, dated 02/26/16 and last revised on 01/31/18, signed and sealed by Cody Davis, P. E. (Note: This revision is consist of editorial DWG changes only).

B. Test
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. 17-1207.05 issued to Dyplastic Products, LLC (former Apache Products Co) for “E & R-Board Expanded Polystyrene rigid Foam Insulation”, expiring on 01/11/2022.

F. STATEMENTS

G. OTHER
1. This NOA revises # 15-0422.07, expiring 12/30/19.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1102.05
Expiration Date: December 30, 2019
Approval Date: February 22, 2018
QUALITY ENGINEERED PRODUCTS

SINGLE GLAZED DOOR (OUTSWING)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2017 FLORIDA BUILDING CODE (8th ED.), INCLUDING HVM-ZC AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING: TAS 201-04/TAS 202-04/TAS 203-04

2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASTERY AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRED APLIED FORCE LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.

3. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DESCRIBED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE-SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT FOR NON-HMV-ZC. ONE TIME APPROVAL FROM DAS REQUIRES FOR HVM-ZC FROM MIAMI-DADE COUNTY.

4. THIS PRODUCT IS LARGE AND SMALL MISSILE IMPACT RESISTANT APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED. PRODUCT IN AREAS REQUIRING IMPACT ON THIS RESISTANCE.

5. DOOR FRAME MATERIAL: STEEL

6. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAIL.

7. DESIGNATIONS "X" FOLLOWING X: OPERABLE PANEL

OUTSWING DOOR
(Exterior View)

CYLINDRICAL LOCK

REINFORCED

WHERE WATER INFILTRATION REQUIREMENTS ARE NEEDED

NEGATIVE

NOT APPROVED

+80 PSI

LARGE & SMALL MISSILE IMPACT RATING

POSITIVE

NOT APPROVED

-80 PSI

LARGE & SMALL MISSILE IMPACT RATING

* UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG RATIO (OH/LEN) OH LENGTH/OH HEIGHT IS GREATER THAN 1
BILL OF MATERIALS

<table>
<thead>
<tr>
<th>NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>16 GA. (0.063&quot;) MIN. (14 GA. MAX.) STEEL HOLLOW METAL FRAME Fy MIN= 46.3 KSI. Fu MIN= 52.1 KSI (OR S.S. MEETING Fy MIN= 50.5 KSI. Fu MIN= 98.5 KSI) W/ SLOTTED HANGERS</td>
</tr>
<tr>
<td>2</td>
<td>1/2&quot; X 2 1/2&quot; X 12 GA. STEEL LOCK OR STRIKE REINFORCEMENT (MORTISE)</td>
</tr>
<tr>
<td>3</td>
<td>3/8&quot; X 8&quot; X 12 GA. FRAME STRIKE REINFORCEMENTS</td>
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<tr>
<td>4</td>
<td>3/8&quot; ITEM. DYNAMO MTR/REDHEAD SLEEVE ANCHOR (3/4&quot; DIA. BOLT) X 1/2&quot; SLEEVE ANCHOR W/ 1/4&quot; DIA. WELDED PIPE SLEEVE W/ 3/8&quot; MIN. EMBEDMENT &amp; 3&quot; MIN. EDGE DISTANCE</td>
</tr>
<tr>
<td>6</td>
<td>HAGER HINGES BB279H 4 1/4&quot; X 4 1/2&quot; X 3 1/4&quot; THICK</td>
</tr>
<tr>
<td>7</td>
<td>MARKS 595 SERIES, SCHLAGE D SERIES OR BEST 93K</td>
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<tr>
<td>8</td>
<td>PEMKO 307AS WEATHER STRIP</td>
</tr>
<tr>
<td>9</td>
<td>PEMKO 2000w TRAFFIC HOLD</td>
</tr>
<tr>
<td>10</td>
<td>16 GA. (0.063&quot;) MIN. (14 GA. MAX.) STEEL DOOR Fy MIN= 46.3 KSI; Fu MIN= 52.1 KSI (OR S.S. MEETING Fy MIN= 50.5 KSI; Fu MIN= 98.5 KSI)</td>
</tr>
<tr>
<td>11</td>
<td>1/2&quot; X 10&quot; X 7 GA. STEEL HINGE REINFORCEMENT</td>
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<tr>
<td>12</td>
<td>3/8&quot; X 5&quot; X 10 GA. LATCH REINFORCEMENT (CYLINDRICAL)</td>
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<tr>
<td>13</td>
<td>16 GAUGE LOCK BODY REINFORCEMENT (16 GAUGE PLATE AT MORTISE LOCKS)</td>
</tr>
<tr>
<td>14</td>
<td>U-SHAPE END STEEL CHANNEL</td>
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<tr>
<td>15</td>
<td>U-SHAPE CLOSE TOP STEEL CHANNEL</td>
</tr>
<tr>
<td>16</td>
<td>1 1/2&quot; X 3/4&quot; X 1 1/2&quot; FULL LENGTH STEEL CHANNEL</td>
</tr>
<tr>
<td>17</td>
<td>1 1/2&quot; X 5/8&quot; X 12 GA. STEEL BOX CHANNEL WELDED 6&quot; O.C. FULL LENGTH</td>
</tr>
<tr>
<td>18</td>
<td>20 GAUGE HAT STIFFENERS 74&quot; LONG WITH FIBERGLASS INSULATION OR POLYSTYRENE FOAM BY DYPLAST (FROM APACHE PRODUCTS) PER CURRENT NOA</td>
</tr>
<tr>
<td>19</td>
<td>3/8&quot; X 1/4&quot; X 1/2&quot; GA. STEEL GLAZING CHANNEL REINFORCEMENT</td>
</tr>
<tr>
<td>20</td>
<td>1/2&quot; O.A. HEAT STRENGTHENED LAMINATED GLASS, CONSISTING OF: 3/16&quot; HEAT STRENGTHENED GLASS 0.075&quot; INTERLAYER BY SAFLEX CP - SAFLEX AND SAFLEX HP COMPOSITE WITH PET CORE BY EASTMAN CHEMICAL COMPANY (MA.) 3/16&quot; HEAT STRENGTHENED GLASS</td>
</tr>
<tr>
<td>21</td>
<td>16 GA. STEEL EXTRUDED DOOR GLAZING TRIM W/ #6 SCREWS @ 1 1/2&quot; O.C.</td>
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3/16" X 2" TAPCON SET AT 12" O.C. (EMBED INTO CONCRETE W/ 1/16" MIN. PENETRATION)