NOTICE OF ACCEPTANCE (NOA)

Gensteel Doors Inc.
4950 Hickmore Street
Ville St. Laurent, Quebec, Canada H4T1K6

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 “GenStorm” Inswing glazed Steel Doors

APPROVAL DOCUMENT: Drawing No. AD11-05, titled “Genstorm Glazed Inswing Door - LMI”, sheet 1 through 8 of 8, dated 02-02-12 and last revised on JAN 02, 2018, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, 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

Limitations:
1. See Design Pressures & corresponding Hardware in sheets 1 & 6. Max. Exterior (positive) DP= +33 PSF (double), +65 PSF (Single) w/ PEMKO-177 AT threshold, where water infiltration requirement is needed.
2. Options #1, 2 & #3 require total two (2) flush bolts (top/bottom) on in-active panel.
3. Glazing type G2 (glass type B-3/8” Lexan) see glazing option sheet 2, qualifies Max DLO = 16”x 16”.

LABELING: Each unit shall bear one of the following permanent labels:
4950 Hickmore Street 2335 Industrial Park Drive 1471 Military Turnpike
Ville St. Laurent, Quebec, Canada H4T1K6 Cornwall, Ontario, Canada K6H7M4 Plattsburgh, NY 12901-1911
Along w/ series or model number and the statement: "Miami-Dade County Product Control Approved".

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 #17-0130.01 and 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.

NOA No. 18-0116.19
Expiration Date: February 23, 2022
Approval Date: March 08, 2018
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections (submitted under file listed below)
2. Drawing No. AD11-05, titled “Genstorm Glazed Inswing Door - LMI”, sheet 1 through 8 of 8, dated DEC 20, 2016, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. TESTS (submitted under file #11-0907.02)
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 (w/ PEMO 177 AT)
   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 and TAS 202-94
   7) Tensile Test, per ASTM A370-05

Along with marked-up drawings and installation diagram of Genstorm Glazed/ Opaque Double & Single Swinging Doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s). 6491, dated 05/31/11, signed and sealed by Martin D. Brinson, P.E.

Note: This test report has addendum letter dated Nov 11, 2011 issued by Fenestration Testing lab, signed and sealed by Martin D. Brinson, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC-2014 (5th Edition), prepared by MCY Engineering, Inc., dated 12/20/16, signed and sealed by Yiping Wang, P.E.
2. Glazing complies w/ASTM E-1300-02, 04 & -09.

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

E. MATERIAL CERTIFICATIONS (submitted under file #11-0907.02)
1. Tensile Test, per ASTM A370-05 item B (1) (7)
2. Tensile test report No. FTL 6745 per ASTM A370-05 dated 12/01/11, issued by Fenestration Testing Lab, signed and sealed by Martin D. Brinson, P.E.
3. Notice of Acceptance No. 16-0208.12 issued to Polymer Extrusion Technology, Inc dba Glasslam for “Glaslam Safety plus II glass interlayer”, expiring on 08/07/18.

F. STATEMENTS
1. Statement letter of conformance to FBC 2014 (5th Edition) and “No financial interest”, dated 12/15/16, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.
2. Statement letter of Lab. Compliance, as a part of above test reports.

G. OTHER
1. This NOA revises & renews NOA #11-0907.02, expiring on 02/23/22.
2. Test proposals # 10-0769R dated 11/27/11 and e-mail 11/01/10 approved by PERA.
3. Distribution agreement between GenSteel Door, Canada & North American Door Corp, N.Y. dated 10/22/10, signed by Bruno Gervasi and Antonio Gervasi, respectively.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0116.19
Expiration Date: February 23, 2022
Approval Date: March 08, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New Evidence submitted

A. DRAWINGS
   1. Drawing No. AD11-05, titled "Genstorm Glazed Inswing Door - LMI", sheet 1 through 8 of 8, dated 02-02-12 and last revised on JAN 02, 2018, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.

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. 13-0909.10 issued to Polymer Extrusion Technology, Inc. dba Glasslam for their "Glasslam Safety-Plus II Glass Interlayer", expiring on 08/07/18.
   2. Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for "Trosifol: Ultra clear, clear & color PVB glass interlayer" (former "Kuraray Butacite PVB Interlayer"), expiring on 07/08/19.

F. STATEMENTS
   2. E-mail statement letter dated 02/27/18 clarifying DWG changes, issued by MCY Engineering, Inc., signed by Yanet Pablos.

G. OTHER
   1. This NOA revises # 17-0130.01, expiring 02/23/22.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0116.19
Expiration Date: February 23, 2022
Approval Date: March 08, 2018
SERIES GENSTORM GLAZED INSINGW STEEL DOOR (LM)

- This product has been designed and tested to comply with the requirements of the 5th Edition Florida Building Code (2017) including high velocity hurricane zone (HVHZ).

- Doors rated for large missile impact and do not require shutters.

- See door design load chart for applicable water rating with sill, stemko 1717 at or stemko 2005 at.

- Anchors shall be listed, spaced as shown on details, anchors embedment to base material shall be beyond wall dressing or stucco.

- Anchoring or loading conditions not shown in these details are not part of this approval.

- Materials including but not limited to steelmetal screws that come into contact with other dissimilar materials shall meet the requirements of the 5th Edition Florida Building Code (2017) as applicable.

- Metal structures not by gensteel door co. must support loads imposed by door system and transfer them to the building structure.

- Wood bucks by others must be anchored properly to transfer loads to the structure.

- A load duration factor in allowable stress is used in design of anchors into wood only.

- Door panel: min. 20 ga. steel min. Fy = 47.3 ksi min.

- Door frame: min. 18 ga. steel min. Fy = 47.3 ksi min

- Door panel stainless option: 20 ga stainless steel.

- Door panel meeting min. Fy = 47.3 ksi or better may qualify having "mil-certificate" as a verification of the available min yield strength.

- Door frame stainless option: 18 ga stainless steel.

- Door frame meeting min. Fy = 47.3 ksi or better may qualify having "mil-certificate" as a verification of the available min yield strength.

NOTES:

- Egress requirements to be reviewed by building official.

DOOR DESIGN LOAD

<table>
<thead>
<tr>
<th>DOOR DESIGN LOAD</th>
<th>DOUBLE DOOR</th>
<th>SINGLE DOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FOR SIZES SHOWN</td>
<td>ABOVE OR SMALLER</td>
</tr>
<tr>
<td>NOT APPROVED FOR</td>
<td>WITH SILL PIN</td>
<td>WITH SILL PIN</td>
</tr>
<tr>
<td>WATER INFILTRATION</td>
<td>3000 psf</td>
<td>3000 psf</td>
</tr>
<tr>
<td>Approved for water infiltration</td>
<td>3000 psf</td>
<td>3000 psf</td>
</tr>
</tbody>
</table>
G1: GLASS TYPE "A"
WITH LITE KIT #3

SEE TYPICAL ANCHORS IN SHEET 3 (SEE ELEVATION FOR SPACING SHEET 1)

G1: GLASS TYPE "A"
WITH LITE KIT #4

SEE TYPICAL ANCHORS IN SHEET 3 (SEE ELEVATION FOR SPACING SHEET 1)

G2: GLASS TYPE "B"
WITH LITE KIT #1

SEE TYPICAL ANCHORS IN SHEET 3 (SEE ELEVATION FOR SPACING SHEET 1)

G2: GLASS TYPE "B"
WITH LITE KIT #2

DOUBLE RABBIT ANCHOR LOCATION

SINGLE RABBIT ANCHOR LOCATION

NOTES:
G1: GLASS TYPE "A"
(5/16" HS LAMINATED GLASS)
MAX. GLASS D.L.O. SIZE 24"x54"

G2: GLASS TYPE "B" (3/8" LEXAN)
MAX. GLASS D.L.O. SIZE 16"x16"

GLASS TYPE "A" OR "B"
(MAX. 18"x 18" D.L.O.)
CAN USE ANY OF LITE KIT OPTIONS
LITE KIT OPTION #1 THRU #4

GLASS TYPE "A" COMPLY WITH
ASTM E1300-09 (3 SEC. GUSTS)
GLASS TYPE "B" COMPLY WITH
CHAPTER 26 OF IBC

MIA-105
DOOR SECTION DETAILS FOR DOUBLE RABBIT DOOR FRAMES

** WEATHER STRIPPING ITEM 17 AND DOOR SWEEP 16 APPLIED WHEN WATER INFILTRATION IS REQUIRED
LOCK OPTIONS FOR DOUBLE DOORS ACTIVE PANEL CAN APPLY TO SINGLE DOORS

(Exterior Elevations - Inswing Doors)

**OPTION 1**

**ACTIVE LEAF:**
Dorex 12 Series Lock Set, 40 5/16" from Bottom

**INACTIVE LEAF:**
Strike for Lockset, IVES FB 458 Manual Flush Bolt (Top & Bottom)

**OPTION 2**

**ACTIVE LEAF:**
Schlage AL Series Lock Set, 40 5/16" from Bottom, & Schlage B Series Deadlock, 46 5/16" from Bottom

**INACTIVE LEAF:**
Strike for Lockset, Strikes for Deadlock, IVES FB 458 Manual Flush Bolt Top & Bottom

**OPTION 3**

**ACTIVE LEAF:**
Dorex FHA Series Lockset, 40 5/16" from Bottom

**INACTIVE LEAF:**
Strike for Lockset, Strikes for Deadlock, IVES FB 458 Manual Flush Bolt Top & Bottom

**OPTION 4**

**ACTIVE LEAF:**
Schlage AL Series Lock Set, 40 5/16" from Bottom, & Schlage B Series Deadlock, 46 5/16" from Bottom

**OPTION 5**

**ACTIVE LEAF:**
Dorex FHA Series Lockset, 40 5/16" from Bottom.

**OPTION 6**

**ACTIVE LEAF:**
Dorex FHA Series Lockset, 40 5/16" from Bottom.

**OPTION 7**

**ACTIVE LEAF:**
Schlage AL Series Lockset, 40 5/16" from Bottom.
## BILL OF MATERIALS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART No.</th>
<th>MATERIAL</th>
<th>QTY.</th>
<th>DESCRIPTION</th>
<th>MANUFACTURER/SUPPLIER/ REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>STEEL DR ST/ST</td>
<td>AS REQ'D.</td>
<td>FRAME HEAD</td>
<td>18 GA. 03048M3 FY = 47.3 KSI MIN.</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>STEEL DR ST/ST</td>
<td>AS REQ'D.</td>
<td>FRAME JAMB</td>
<td>18 GA. 03048M3 FY = 47.3 KSI MIN.</td>
</tr>
<tr>
<td>3</td>
<td>PMK177-AT</td>
<td>ALUMINUM</td>
<td>1</td>
<td>THRESHOLD WITH THERMO SEAL INSERT</td>
<td>PEMKO 177AT</td>
</tr>
<tr>
<td>4</td>
<td>PMK 2000AT</td>
<td>ALUMINUM</td>
<td>1</td>
<td>OPTION WITH THERMO SEAL INSERT</td>
<td>PEMKO 2000AT</td>
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<tr>
<td>5</td>
<td></td>
<td>STEEL DR ST/ST</td>
<td>AS REQ'D.</td>
<td>DOOR PANEL 1 3/4&quot; THK. W/ 20 GA STEEL SKIN</td>
<td>20 GA. 03060M3 FY = 47.3 KSI MIN.</td>
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<tr>
<td>6</td>
<td>DR5000</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>CYLINDRICAL LOCK REINFORCEMENT</td>
<td>GENSTEEL PROGRESSION WELDED TO THE PANEL</td>
</tr>
<tr>
<td>7</td>
<td>FR1000</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>BEAD BOLT STRIKE REINFORCEMENT</td>
<td>GENSTEEL PROGRESSION WELDED TO THE PANEL</td>
</tr>
<tr>
<td>8</td>
<td>FA3010</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>BUTTERFLY MASONRY ANCHOR</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>9</td>
<td>FR100</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>APA STRIKE BOX</td>
<td>GENSTEEL PROGRESSION WELDED TO THE FRAME AND/OR DOOR</td>
</tr>
<tr>
<td>10</td>
<td>FA3030</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>MASONRY WIRE ANCHOR 0173 DIA.</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>11</td>
<td>FA0400</td>
<td>STEEL</td>
<td>2</td>
<td>FLOOR ANCHOR 18 GA. (1-1/8&quot; X 1-1/8&quot; X 4-1/2&quot; LO (OPTION)</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>12</td>
<td>HR2000</td>
<td>STEEL</td>
<td>3 PER LEAF</td>
<td>HINGE JUXTAPOS</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>13</td>
<td>HR1030</td>
<td>STEEL</td>
<td>3 PER LEAF</td>
<td>HINGE REINFORCEMENT WELDED TO FRAME &amp; DR</td>
<td>GENSTEEL PROGRESSION WELDED TO THE FRAME AND/OR DOOR</td>
</tr>
<tr>
<td>14</td>
<td>HINGE</td>
<td>STEEL</td>
<td>3 PER LEAF</td>
<td>4 1/2&quot; LONG HINGE</td>
<td>HAGER USA DR 22</td>
</tr>
<tr>
<td>15</td>
<td>FA3012</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>ANCHOR CLIP OPTION</td>
<td>GENSTEEL PROGRESSION WELDED TO THE FRAME</td>
</tr>
<tr>
<td>16</td>
<td>PEMKO 375R</td>
<td>-</td>
<td>AS REQ'D.</td>
<td>PEMKO 375R ASTRAGAL WITH SPONGE NEOPRENE</td>
<td>PEMKO (WITH #65/6&quot; ST/ST SMS @ 6&quot; O.C.)</td>
</tr>
<tr>
<td>17</td>
<td>PEMKO 303-S</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>PERIMETER GASKETING WEATHERSTRIP ADAPTER</td>
<td>PEMKO (WITH #65/6&quot; ST/ST SMS @ 6&quot; O.C.)</td>
</tr>
<tr>
<td>18</td>
<td>PEMKO 307</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>ADHESIVE CLOSED CELL SPONGE WEATHERSTRIP</td>
<td>PEMKO</td>
</tr>
<tr>
<td>19</td>
<td>PEMKO 88</td>
<td>SILICONSEAL TM</td>
<td>AS REQ'D.</td>
<td>ADHESIVE GASKETING WEATHERSTRIP</td>
<td>PEMKO (WITH #65/4&quot; ST/ST SMS @ 6&quot; O.C.)</td>
</tr>
<tr>
<td>20</td>
<td>PEMKO 315 N</td>
<td>-</td>
<td>1 PER LEAF.</td>
<td>DOOR SWEPT WEATHERSTRIP AT BOTTOM OF PANEL</td>
<td>PEMKO (WITH #65/4&quot; ST/ST SMS @ 6&quot; O.C.)</td>
</tr>
<tr>
<td>21</td>
<td>LITE KIT #1</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>18GA STEEL GLAZING BEAD USED IN LITE KIT #1</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>22</td>
<td>LITE KIT #1</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>18GA STEEL GLAZING BEAD USED IN LITE KIT #1</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>23</td>
<td>LITE KIT #2</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>20GA STEEL GLAZING BEAD USED IN LITE KIT #2</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>24</td>
<td>LITE KIT #2</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>20GA STEEL GLAZING BEAD USED IN LITE KIT #2</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>25</td>
<td>LITE KIT #3 &amp; #4</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>20GA STEEL GLAZING BEAD USED IN LITE KIT #3 &amp; #4</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>26</td>
<td>LITE KIT #3 &amp; #4</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>20GA STEEL GLAZING BEAD USED IN LITE KIT #3 &amp; #4</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>27</td>
<td>LITE KIT #4</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>20GA STEEL GLAZING BEAD USED IN LITE KIT #4</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>28</td>
<td>HONEYCOMB CORE</td>
<td>-</td>
<td>AS REQ'D.</td>
<td>INSIDE OF DOOR PANEL</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>29</td>
<td>IVES FB 45B</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>IVES TOP &amp; BOTTOM FLUSH BOLTS</td>
<td>IVES</td>
</tr>
<tr>
<td>30</td>
<td>CH3601</td>
<td>STEEL</td>
<td>AS REQ'D.</td>
<td>1&quot; X 1-5/8&quot; X 1&quot; X 18GA DR END CHANNEL</td>
<td>GENSTEEL</td>
</tr>
</tbody>
</table>

**CORNER FRAME CONSTRUCTION**

The jambs and head meeting corners are not required to be welded to each other. All the frames were tested as 'Knock-Down' units.
OPTIONAL PATIAL EMBOSSED DOOR LEAF PATTERNS  (MIN Fy = 47.3 KSI)