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 Opaque Steel Doors

APPROVAL DOCUMENT: Drawing No. AD11-04, titled “Genstorm Opaque 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 (double), +65 (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.

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 #17-0130.02 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.
Gensteel Doors Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
   1. Manufacturer's die drawings and sections (submitted under file listed below)
   2. Drawing No. AD11-04, titled “Genstorm Opaque 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 #11-0907.01)
   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 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.

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

E. MATERIAL CERTIFICATIONS (submitted under file #11-0907.01)
   1. Tensile Test, per ASTM A370-05 item B (1) (7)
   2. Tensile test report N0. FTL 6745 per ASTM A370-05 dated 12/01/11, issued by Fenestration Testing Lab, signed and sealed by Martin D. Brinson, P.E.

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 #11-0907.01, 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. 18-0116.20
Expiration Date: February 23, 2022
Approval Date: March 08, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New Evidence submitted

A. DRAWINGS
   1. Drawing No. AD11-04, titled “Genstorm Opaque 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. None.

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 #17-0130.02, expiring 02/23/22

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0116.20
Expiration Date: February 23, 2022
Approval Date: March 08, 2018
- 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 PEKNO 177-AT or PEKNO 2050 AT.
- Anchors shall be as 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 steel/metal 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 GenStell 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 frame: 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 steel panel meeting Min. Fy = 47.3 ksi OR better. May qualify having "MLCertificate" as a verification of the available Min. Yield Strength.
- Door frame stainless steel panel meeting Min. Fy = 47.3 ksi OR better. May qualify having "MLCertificate" as a verification of the available Min. Yield Strength.

Notes:
- Express requirements to be reviewed by building official.

**Door Design Load**

<table>
<thead>
<tr>
<th>FOR SIZES SHOWN</th>
<th>DOUBLE DOOR</th>
<th>SINGLE DOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+65.0 PSF</td>
<td>+66.0 PSF</td>
<td>+65.0 PSF</td>
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<tr>
<td>+65.0 PSF</td>
<td>+65.0 PSF</td>
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<tr>
<td>+65.0 PSF</td>
<td>+65.0 PSF</td>
<td>+65.0 PSF</td>
</tr>
</tbody>
</table>
OPTIONAL EMBOSSED DOOR LEAF PATTERNS (MIN $F_Y = 47.3$ KSI)

12" x 12"
18 GA STEEL ANGLE
(2) 3/16" DIA. ULTRACONS OR TAPCON (1/2" EMBED)

BOTTOM CORNER ANCHOR DETAIL
(OPTIONAL)

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

DOUBLE RABBIT ANCHOR LOCATION

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

SINGLE RABBIT ANCHOR LOCATION

SEE TYPICAL ANCHORS IN SHEET 3
(SEE ELEVATION FOR SPACING SHEET 1)
DOOR SECTION DETAILS FOR DOUBLE RABBIT DOOR FRAMES

NOTE: JAMB MUST FULL BEARING ON SUBSTRATE.
NOTE: JAMB MUST FULL BEARING ON SUBSTRATE.

DOOR SECTION DETAILS
FOR SINGLE RABBET DOOR FRAMES
LOCK OPTIONS
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:
Schiage AL Series Lock Set,
40 5/16" from bottom
& Schiage B Series Deadlock,
46 5/16" from bottom.

INACTIVE LEAF:
Strike for Lockset.
Strike for Deadlock.
Ives FB 458 Manual Flush Bolt
Top & Bottom

OPTION 3
ACTIVE LEAF:
Dorex FH Series Lockset,
40 5/16" from bottom.
Dorex TLA Series Deadlock,
46 5/16" from bottom.

INACTIVE LEAF:
Strike for Lockset.
Strike for Deadlock.
Ives FB 458 Manual Flush Bolt
Top & Bottom

OPTION 4
ACTIVE LEAF:
Schiage AL Series Lock Set,
40 5/16" from bottom.

OPTION 5
ACTIVE LEAF:
Dorex FHA Series Lockset,
40 5/16" from bottom.

OPTION 6
ACTIVE LEAF:
Dorex FH Series Lockset,
40 5/16" from bottom.
Dorex TLA Series Deadlock,
46 5/16" from bottom.

OPTION 7
ACTIVE LEAF:
Schiage AL Series Lockset,
40 5/16" from bottom.

Hinges: Steel butt hinges 3 per leaf. Located
at 12° MAX from top of the door to center
line of 1st hinge and to be spaced out not to
exceed 33° from CL to CL of hinge. To be
fastened by (4) #12-24 x 3/8 flathead machine
screws.

Hardware Locations: All these doors were
manufactured with the cylindrical, lever, or
knobs at 40-5/16" C.L. from the bottom of the
frame. All the deadlocks were positioned
46-5/16" from the bottom of the frame.
## 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 OR ST/ST</td>
<td>AS REQ'D</td>
<td>FRAME HEAD</td>
<td>18 GA. (0.048MM) Fy= 47.3 KSI MIN.</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>STEEL OR ST/ST</td>
<td>AS REQ'D</td>
<td>FRAME JAMB</td>
<td>18 GA. (0.048MM) Fy= 47.3 KSI MIN.</td>
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<tr>
<td>3</td>
<td>PMK177-AT</td>
<td>ALUM</td>
<td>1</td>
<td>THRESHOLD WITH THERMO SEAL INSERT</td>
<td>PEMKO 177AT</td>
</tr>
<tr>
<td>4</td>
<td>PMK 2005AT</td>
<td>ALUMINUM</td>
<td>1</td>
<td>OPTIONAL THRESHOLD WITH THERMO SEAL INSERT</td>
<td>PEMKO 2005AT</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>STEEL OR ST/ST</td>
<td>AS REQ'D</td>
<td>DOOR PANEL 1 3/4&quot; THK.</td>
<td>20 GA. (0.036MM) Fy= 47.3 KSI MIN.</td>
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<tr>
<td>6</td>
<td>BR1600</td>
<td>STEEL</td>
<td>AS REQ'D</td>
<td>CYLINDRICAL LOCK REINFORCEMENT</td>
<td>GENSTEEL PROGRESSION WELDED TO THE PANEL</td>
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<tr>
<td>7</td>
<td>FW1000</td>
<td>STEEL</td>
<td>AS REQ'D</td>
<td>DEAD BOLT STRIKE REINFORCEMENT</td>
<td>GENSTEEL PROGRESSION WELDED TO THE PANEL</td>
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<tr>
<td>8</td>
<td>FA3010</td>
<td>STEEL</td>
<td>AS REQ'D</td>
<td>BUTTERFLY MASONRY ANCHOR</td>
<td>GENSTEEL</td>
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<td>9</td>
<td>FR1100</td>
<td>STEEL</td>
<td>AS REQ'D</td>
<td>ASA STRIKE BOX</td>
<td>GENSTEEL PROGRESSION WELDED TO THE FRAME AND/OR THE DOOR</td>
</tr>
<tr>
<td>10</td>
<td>FA3030</td>
<td>STEEL</td>
<td>AS REQ'D</td>
<td>MASONRY WIRE ANCHOR 0.173 DIA.</td>
<td>GENSTEEL Fy=60 KSI Fv=24 KSI MIN.</td>
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<tr>
<td>11</td>
<td>FA3040</td>
<td>STEEL</td>
<td>2</td>
<td>FLOOR ANCHOR 10 GA. (1-1/2&quot; x 1-1/2&quot;) OPTION</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>12</td>
<td>HR2000</td>
<td>STEEL</td>
<td>3 PER LEAF</td>
<td>HINGE BUSHING</td>
<td>GENSTEEL</td>
</tr>
<tr>
<td>13</td>
<td>HR2020</td>
<td>STEEL</td>
<td>3 PER LEAF</td>
<td>HINGE REINFORCEMENT WELDED TO FRAME &amp; DOOR</td>
<td>GENSTEEL PROGRESSION WELDED TO THE FRAME AND/OR THE DOOR</td>
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<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 OR EQUAL</td>
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<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>
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<tr>
<td>16</td>
<td>PEMKO P375R</td>
<td>-</td>
<td>AS REQ'D</td>
<td>PEMKO 375R ASTRAGAL WITH SPONGE NEOPRENE</td>
<td>PEMKO (WITH #6x5/8&quot; ST/ST SMS 3/4&quot; D.C.)</td>
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<td>17</td>
<td>PEMKO 303_S</td>
<td>STEEL</td>
<td>AS REQ'D</td>
<td>PERIMETER GASKETING WEATHERSTRIP ADAPTOR</td>
<td>PEMKO (WITH #6x5/8&quot; ST/ST SMS 3/4&quot; D.C.)</td>
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<td>18</td>
<td>PEMKO 387</td>
<td>-</td>
<td>AS REQ'D</td>
<td>ADHESIVE CLOSED CELL SPONGE WEATHERSTRIP</td>
<td>PEMKO</td>
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<tr>
<td>19</td>
<td>PEMKO 88</td>
<td>SILICONE SEAL TM</td>
<td>AS REQ'D</td>
<td>ADHESIVE GASKETING WEATHERSTRIP</td>
<td>PEMKO</td>
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<tr>
<td>20</td>
<td>PEMKO 315_N</td>
<td>-</td>
<td>1 PER LEAF</td>
<td>DOOR WEATHERSTRIP AT BOTTOM OF PANEL</td>
<td>PEMKO (WITH #6x5/8&quot; ST/ST SMS 3/4&quot; D.C.)</td>
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<tr>
<td>21</td>
<td>HONEYCOMB CORE</td>
<td>-</td>
<td>AS REQ'D</td>
<td>INSIDE OF DOOR PANEL</td>
<td>GENSTEEL</td>
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<tr>
<td>22</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>23</td>
<td>CH3601</td>
<td>STEEL</td>
<td>AS REQ'D</td>
<td>1&quot; X 1-3/8&quot; X 1/4&quot; X 18GA DOOR END CHANNEL</td>
<td>GENSTEEL</td>
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</tbody>
</table>

### CORNER FRAME CONSTRUCTION

- Bracket for gusset connection
- Slots for integrated tabs on jams
- Tabs
- Spot welds
- No welding for installation
- 22 gauge gussets

**THE JAMB AND HEAD MEETING CORNERS ARE NOT REQUIRED TO BE WELDED TO EACH OTHER. ALL THE FRAMES WERE TESTED AS "KNOCK-DOWN" UNITS.**