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” Flush Outswing Steel Doors

APPROVAL DOCUMENT: Drawing No. AD10-09-001, titled “Genstorm Opaque Outswing Steel Door System (LMD)”, sheet 1 through 8 of 8, dated 10-22-99 and last revised on Nov 15, 2017, 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. Doors are rated for water infiltration requirement w/ threshold B (w/ item #22 & cell foam tape entire frame perimeter)
2. Lock Options # 3 & 5 in sheet 6, require total two (2) flush bolts (top/bottom) on active panel of the single or double doors.

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

and series 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 #16-0407.10 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.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS
1. Manufacturer's die drawings and sections (submitted under file listed below)
2. Drawing No. AD10-09-002, titled “Genstorm Louver Outswing Steel Door (LM)”, sheet 1 through 8 of 8, dated 02-05-2009 and last revised on AUG 03, 2015, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. TESTS (submitted under files #15-0526.04/#12-0223.32/#10-0121.07/#05-0127.11)
1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   2) Water Resistance Test, per FBC, TAS 202-94 (PMK 2005-AT)
Along with marked-up drawings and installation diagram of Genstorm Opaque Double Swinging Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL 6346, dated 10/14/10, signed and sealed by Jorge A. Causo, P.E.
2. 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 (PMK177T threshold)
   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
Along with marked-up drawings and installation diagram of Genstorm Opaque, Glazed and Louvered Single and Double Swinging Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL 5877, dated 10/13/09 and FTL 5898, dated 09/14/09, both signed and sealed by Julio E. Gonzalez, P.E. (transferred from file #10-0125.01)

C. CALCULATIONS (submitted under files #15-0526.04)
1. Anchor verification calculations and structural analysis, complying with FBC-2014 (5th Edition), prepared by MCY Engineering, Inc., dated 05/15/15 and last revised on 08/03/15, signed and sealed by Yiping Wang, P.E.

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

E. MATERIAL CERTIFICATIONS
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. (submitted under file #10-0125.03)

F. STATEMENTS
2. Statement letter of Lab. Compliance, as a part of above test reports.

Sam Khamen, P.E.
Product Control Examiner
NOA No. 17-0803.02
Expiration Date: July 14, 2021
Approval Date: December 28, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER
1. This NOA renews NOA #15-0526.04, expiring on 07/14/21.
2. Test proposal No. 08-1489, issued to Gensteel Door Inc, approved on 11/14/08.
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.


A. DRAWINGS
1. Drawing No. AD10-09-001, titled “Genstorm Opaque Outswing Steel Door System (LMI)”, sheet 1 through 8 of 8, dated 10-22-99 and last revised on Nov 15, 2017, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. Test
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(PMK177T threshold)
   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 241I 3.2.1 and TAS 202-94
   7) Tensile test per FBC, TAS 202

Along with marked-up drawings and installation diagram of Genstorm Opaque, Glazed and Louvered Single and Double Swinging Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL 5877 dated 12/08/09 signed and sealed by Julio E. Gonzalez, P.E. and FTL 7224 dated 02/12/14, signed and sealed by Marlin Brinson, P.E.

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 # 16-0407.10, expiring 07/14/20.
2. Test Proposal #17-0053 dated FEB 03, 2017 approved by RER.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0803.02
Expiration Date: July 14, 2021
Approval Date: December 28, 2017
- This product has been designed and tested to comply with the requirements of the 6th edition Florida Building Code (2017) including High Velocity Hurricane Zone (HVHZ).

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

- Doors approved for installations where water infiltration resistance is or is not required (Single row self-adhesive closed cell foam tape to be applied entire perimeter of frame).

- Anchors shall be as listed, spaced as shown on details. Anchors embedded 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 6th edition Florida Building Code (2017) section 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. (0.039") Steel Min. Fy = 42 ksi Min. Fu = 53 KSI Min.

- Door frame: Min. 18 ga. (0.048") Steel Min. Fy = 42 ksi Min. Fu = 53 KSI Min.

- Door panel stainless option: 20 ga. (0.039") Stainless Steel Door panel meeting Min. Fy = 42 ksi, Min. Fu = 53 KSI Min. or better may qualify having "MIL-Certificate" as a verification of the available Min. yield strength.

- Door panel stainless option: 20 ga. (0.048") Stainless Steel Door panel meeting Min. Fy = 42 ksi, Min. Fu = 53 KSI Min. or better may qualify having "MIL-Certificate" as a verification of the available Min. yield strength.

- Notes:
- Exterior requirements to be reviewed by building official.
HC822
REMOVABLE MULLION
WREINFORCEMENT

** 22 PEMKO 376 ASTRAGAL W/ SPONGE NEOPRENE NOT REQUIRED, IF WATER INFILTRATION NOT NEEDED
**22 PEMKO 375 ASTRAgal W SPONGE NEOPRENE NOT REQUIRED, IF WATER INFILTRATION NOT NEEDED**
** LOCK OPTION # 6 **
"VON DUPRIN" 9847 PANIC DEVICE W/ CONCEALED VERTICAL ROD
"PRECISION" HC2800 PANIC DEVICE W/ CONCEALED VERTICAL ROD

** LOCK OPTION # 7 **
"VON DUPRIN" 9875 MORTISE PANIC EXIT DEVICE

** SMA 375 ASTRAGAL W/ SPONGE ** NEOPRENE NOT REQUIRED, IF WATER INFILTRATION NOT NEEDED
## BILL OF MATERIALS

<table>
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<tr>
<th>ITEM</th>
<th>PART No.</th>
<th>MATERIAL</th>
<th>QTY.</th>
<th>DESCRIPTION</th>
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<td>STEEL OR ST/ST</td>
<td>AS REQ'D</td>
<td>FRAME HEAD/JAMB (5-1/2&quot; x 2&quot;)</td>
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<td>2</td>
<td>PMK177-T</td>
<td>ALUM</td>
<td>1</td>
<td>THRESHOLD WITH THERMO SEAL INSERT</td>
<td>PENKO 177 AT/ THERMOSAL(T)</td>
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<td>3</td>
<td>-</td>
<td>STEEL OR ST/ST</td>
<td>AS REQ'D</td>
<td>DOOR PANEL</td>
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<td>4</td>
<td>DR1010</td>
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<td>AS REQ'D</td>
<td>MORTISE BOX REINFORCEMENT</td>
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<td>P 387</td>
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<td>2-2' x 4'x 12 GA. STEEL REINFORCEMENT</td>
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<td>HC822</td>
<td>STEEL</td>
<td>AS REQ'D</td>
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<td>OPTIONAL THRESHOLD WITH THERMO SEAL INSERT</td>
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<td>20</td>
<td>PEMKO 315 N</td>
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<td>1 PER LEAF</td>
<td>WEATHERSTRIP AT BOTTOM OF PANEL</td>
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<tr>
<td>21</td>
<td>PEMKO 215 N</td>
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<td>PENKO 375 CR ASTRAGAL WITH SPONGE NEOPRENE</td>
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<td>INSIDE OF DOOR PANEL</td>
<td>GENSTEEL</td>
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</table>

### Diagram

- **Corner Frame Construction**
  - **Dimensions:**
    - 32 Gauge GUSSETS
    - Tabs for Gussets
    - Tabs for Integrated Tabs on Jams
  - **Materials:**
    - Frame Face/Trim: Continuously Valved and Ground Smooth
  - **Markings:**
    - Frame/Trim: Made in USA

### Notes
- Not in compliance with the Florida Building Code
- Weathertight: No. 3723-03-02
- Expiration Date: Nov 2016
- Use: Building Product Certified

**Date:** Nov 2, 2017

**Location:** Miami, Dade County