

## Product Evaluation

DR1255 | 0123

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

**Evaluation ID:** DR-1255

**Effective Date:** January 1, 2023

**Re-evaluation Date:** January 2027

**Product Name:** Series DURA-STORM™ 2000/3000 Aluminum Automatic Sliding Glass Door System, Impact Resistant

**Manufacturer:** Stanley Access Technologies  
65 Scott Swamp Rd.  
Farmington, CT 06032  
(860) 507-2507

**General Description:** The DURA-STORM™ 2000/3000 Aluminum Automatic Sliding Glass Door System is used for commercial installations. This evaluation report includes the following assemblies:

- Dura-Storm™ 2000 Bi-Parting Doors (O-SX-SX-O)
- Dura-Storm™ 2000 Single Slide Doors (SX-O)
- Dura-Storm™ 3000 Bi-Parting Doors (SO-SX-SX-SO)
- Dura-Storm™ 3000 Single Slide Doors (SX-SO)

### Product Identification:

**Drawing 22-53516:** A Stanley Access Technologies label will be affixed to the door assembly. The label includes the manufacturer's name (Stanley Access Technologies); the product name

(DURA-STORM™ 2000/3000); the DP; the drawing number (#22-53516); the test standards (TAS 201-94, TAS 202-94, TAS 203-94); and the Missile Level (Large Missile).

**Drawing 22-53521:** A Stanley Access Technologies label will be affixed to the door assembly. The label includes the manufacturer's name (Stanley Access Technologies); the product name (DURA-STORM™ 2000/3000); the DP; the drawing number (#22-53521); the test standards (TAS 201-94, TAS 202-94, TAS 203-94); and the Missile Level (Large Missile).

**Limitations:**

**Design Drawings:** The door assemblies must comply with and be installed in accordance with one of the following design drawings:

Drawing No. 22-53516; titled "Series "Dura-Storm 2000/3000 Auto SGD Bi-Parting/Single Slide (LMI);" Sheets 1 thru 14; dated July 5, 2022; signed and sealed by Frank L. Bennardo, P.E. on August 10, 2022. This evaluation report refers to the stated drawing as the approved drawing.

Drawing No. 22-53521; titled "Series "Dura-Storm 2000/3000 Steel Reinf Bi-Parting/Single Slide (LMI);" Sheets 1 thru 10; dated July 5, 2022; Revision 1 dated September 30, 2022; signed and sealed by Frank L. Bennardo, P.E. on September 30, 2022. This evaluation report refers to the stated drawing as the approved drawing.

**Fabrication and Assembly:** Stanley Access Technologies door systems are fabricated in the factory. The aluminum door system is assembled and glazed at the jobsite. The approved drawings referenced in this evaluation report indicate the options for the glazing construction.

**Hardware:** Requirements for door hardware are specified on the approved drawings.

**Design Pressure (DP):**

**Drawing 22-53516:** The aluminum door system has a maximum design pressure rating of +75 / -75 psf. Refer to the approved drawings for specific design pressure requirements.

**Drawing 22-53521:** The aluminum door system has a maximum design pressure rating of +55 / -55 psf. Refer to the approved drawings for specific design pressure requirements.

**Door Configurations:** Acceptable door configurations are shown on the approved drawings.

**Impact Resistance:** The door systems have been tested for windborne debris resistance. These door systems passed Missile Level D specified in ASTM E1996-14a. Install the assembly at any height on the structure that does not exceed the assembly's design pressure rating. For essential facilities, the assembly may not be installed below a height of 30 feet in Wind Zone 3 and may be installed at all heights in Wind Zone 2 as defined in ASTM E 1996-14a.

**Installation Instructions:**

**General:** Prepare and install the assembly in accordance with Stanley Access Technologies installation instructions and the approved drawing specified in this evaluation report. Detailed installation instructions are available from Stanley Access Technologies.

**Wall Framing Construction:** The door systems may be mounted to several types of wall framing construction. The types of wall framing constructions allowed include:

- Concrete (minimum compressive strength: 3,000 psi)
- Wood (minimum specific gravity, SG=0.55)
- Steel (minimum 3/16", Fy=33 ksi)
- Aluminum (minimum 0.090" thick, 6063-T5)

Refer to the appropriate design drawing for specific wall construction requirements.

**Fastener Requirements:**

Refer to the approved drawing for anchor layout and notes.

Refer to the approved drawing for the minimum embedment depths for the fasteners and the minimum edge distanced (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.