



398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Product Evaluation Report

of

Detex Corporation

Value Series HV40, Advantex H10 & H40 Rim Panic Exit Device

Value Series HV50, Advantex H20 & H50 Surface Vertical Rod

Steel Door Assembly #2

for

Florida Product Approval

FL# FL19181

Report No. 8605

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Exterior Doors
Sub – Category:	Exterior Door Components
Product:	Series HV40, H10 & H40 RIM, Series HV50, H20 & H50 SVR
Product Dimensions:	See installation instructions, DTX006

Prepared for:

**Detex Corporation
302 Detex Drive
New Braunfels, TX 78130**

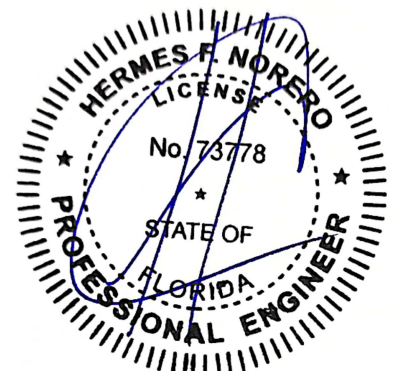
Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 06/16/2023

Contents:

Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.10 17:06:41 -04'00'



Hermes F. Norero, P.E.
Florida P.E. No. 73778

Manufacturer: Detex Corporation

Product Category: Exterior Doors

Product Sub-Category: Exterior Doors Components

Compliance Method: State Product Approval Method (1)(d)

Product Name: Series HV40, H10 & H40 RIM,
Series HV50, H20 & H50 SVR

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Detex Corporation** based on Method 1d of the Florida Product Approval System, Florida Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the current Florida Building Code.

See Installation Instructions **DTX006**, signed by Hermes F. Norero (FL # 73778), for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the current Florida Building Code, **including** the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and **does not** require an impact resistant covering.
4. Site conditions that deviate from the details of **DTX006** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **DTX006** for size and design pressure limitations.

Quality Assurance:

The manufacturer has demonstrated compliance in Accordance with the Florida Building Code and Florida Product Approval system for manufacturing under a quality assurance program audited by an approved quality assurance entity through **National Accreditation Management Institute**. (FBC Organization # QUA1789)

Performance Standards:

The product described herein has been evaluated per:

- TAS 201-94
- TAS 202-94
- TAS 203-94
- ASTM E330-14
- ASTM E1886-19
- ASTM E1996-20

Referenced Data:

1. Product Testing performed by **National Certified Testing Laboratories, Inc.**
(FBC Organization # TST1589)
Report #: NCTL-210-3994-02 Report Date: 07/10/15,
Signed and sealed by Gerard J. Ferrara, FL P.E. No. 11985
2. Quality Assurance
National Accreditation Management Institute
(FBC Organization #: QUA1789)

Installation:

Refer to Installation Instructions (**DTX006**) for more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**DTX006**) for design pressures dependent on hardware type, configuration, and size of units.

Equivalence of Test Standards:

The below test standards have been evaluated for differences in test methodology, if any, between tested editions of the test standards and those editions referenced in the Current Florida Building Code. **Detex Corporation** has tested their products to the following test standard edition(s):

- 1) ASTM E330-02
- 2) ASTM E1886-05
- 3) ASTM E1996-05

Chapter 35 of the Current Florida Building Code references the following editions of the above test standards:

- 1) ASTM E330-14
- 2) ASTM E1886-19
- 3) ASTM E1996-20

After review of the above mentioned referenced standards and editions, it has been found that the performance results and tests carried out meet the requirements for compliance with the standard editions referenced within the Current Florida Building Code. All referenced standards have been found to be equivalent.