

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: FF700XT SERIES OPAQUE or GLAZED STEEL FOUR-FOLD DOOR

MANUFACTURER: DOOR ENGINEERING & MANUFACTURING, INC.
101 POWER DRIVE
MANKATO, MN 56001

To all concerned,

The FF700XT Series Opaque or Glazed Steel Four-Fold Door System, manufactured by Door Engineering & Manufacturing Inc, is an exterior mounted opaque or glazed steel bi-fold door set in an steel frame. The door has been tested per TAS 201, 202 (Structural only), and 203 for Level D Large Missile Impact Resistance by Intertek B&C, with results shown in test report E1684.02-602-18.

Technical Documentation:

1. Drawing "FF700XT-LMI" dated 12/11/20, signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Intertek B&C, signed and sealed by Shawn Collins, PE.
3. Supplemental Calculations to support "FF700XT-LMI", signed and sealed by Scott Wolters, PE.

I have reviewed this submittal per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). Based on the limitations listed below and those provided in the documents above, this product meets all the requirements of the 8th Edition (2023) Florida Building Code generally, and chapters 10, 11, 16, 22, and 24 specifically, including the HVHZ provisions.

Limitations: This door system is approved for use inside and outside of the HVHZ. It is Level D Large Missile and Small Missile Impact Resistant. Shutters are not required.

<u>Overall Dimensions:</u>	Maximum Frame Size:	204" (w) x 198" (h)
	Maximum Opening Size:	192" x 192"
	Maximum Glass Size (DLO):	30 1/4" x 117 3/4"
	Maximum Design Pressure:	+/- 120 psf

This door system is not tested or rated for water infiltration resistance. It is intended for use only in locations where water infiltration resistance is not required, or where it is protected by an overhang meeting the requirements of FBC Section 1709.5.1.

Glass:

Glass Type 1: 9/16" Laminated (LMI – Level D)
1/4" Heat Strengthened
0.090" SentryGlas Interlayer (NOA# 23-0717.30)
1/4" Heat Strengthened

Glass Type 2: 9/16" Laminated (LMI – Level D)
1/4" Heat Strengthened
0.075" Saflex Storm Interlayer (NOA# 24-0312.10)
1/4" Heat Strengthened

Glass Type 3: 1 1/4" Insulated Laminated (LMI – Level D)
1/4" Tempered
7/16" Air Space (Alum Spacer)
1/4" Heat Strengthened
0.090" SentryGlas Interlayer (NOA# 23-0717.30)
1/4" Heat Strengthened

Glass Type 4: 1 1/4" Insulated Laminated (LMI – Level D)
1/4" Tempered
7/16" Air Space (Alum Spacer)
1/4" Heat Strengthened
0.075" Saflex Storm Interlayer (NOA# 24-0312.10)
1/4" Heat Strengthened

Locks: Manufacturer's Standard 2 Pt Locks with Cremone Bolts at Bi-Fold Stiles
HDPE Floor Guide Door Stops at Meeting Stiles.

Hinges: Manufacturer's Standard T-Hinge (3 per leaf) at jambs
Manufacturer's Standard Bi-Fold Hinge (3 per leaf) at Bi-Fold Stiles

If you have any questions or need more information concerning this Evaluation report please contact me.

Thank you,


Scott Wolters
FL PE# 62354
JUL 07 2025

