

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: WOOD EUROPEAN SERIES GLAZED OUTSWING FRENCH DOORS (MERBAU)

MANUFACTURER: LUXBAUM WINDOWS & DOORS
2400 CENTREPARK WEST DRIVE, SUITE 150
WEST PALM BEACH, FL 33409

To all concerned,

The Luxbaum Wood European Series Glazed Outswing French Door, manufactured by Luxbaum Windows & Doors, is a glazed Merbau wood door set in a Merbau frame. The door has been tested per TAS 201, 202, and 203 by Hurricane Test Lab, Inc. with results shown in test reports 0271-0406.05, 0271-0519-05, 0271-0206-02, 0271-0721-02, and 0271-1125-02

Technical Documentation:

1. Drawing "EURO DOOR", signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Hurricane Test Lab, Inc. signed and sealed by Vinu Abraham, PE.
3. Supplemental calculations to support "EURO DOOR", 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 6th Edition (2017) Florida Building Code generally, and chapters 10, 11, 16, 23, and 24 specifically, including the HVHZ provisions.

Limitations: This door is approved for use inside and outside of the HVHZ. It is large and small impact resistant. Shutters are not required.

Overall Dimensions:

Maximum Frame Height:	Varies – See elevations on Sheets 1-6
Maximum Frame Width:	Varies – See elevations on Sheets 1-6.
Maximum Design Pressure:	+65/-70 psf

Glazing Options:

9/16" Monolithic Laminated

1/4" Annealed

0.090" SGP Interlayer⁺

1/4" Annealed

9/16" Monolithic Laminated

1/4" Tempered

0.090" SGP Interlayer⁺

1/4" Tempered

5/8" (min) CDX Plywood

1 1/8" Insulated Laminated

3/16" Heat Strengthened

0.090" SGP Interlayer⁺

3/16" Heat Strengthened

1/2" Air Space

3/16" Tempered

1" Insulated Laminated

1/4" Annealed

0.090" SGP Interlayer⁺

1/4" Annealed

1/4" Air Space

3/16" Tempered

* I have evaluated the SentryGlas interlayer (NOA# 14-0916.11) referenced above and find that it complies with the requirements of the 6th Edition (2017) Florida Building Code for use in this product.

Locks:

Siegenia Multi-Point Lock

(Part# 3/45M5 – 3/50M5)

Or

AGB Multi-Point Lock with Siegenia Strike Plates

(Square panels with sizes up to 35 7/16"x135 3/16" only)

Hinges:

G-U Hardware 5020-SM

Or

Simonswerk Baka C2-20

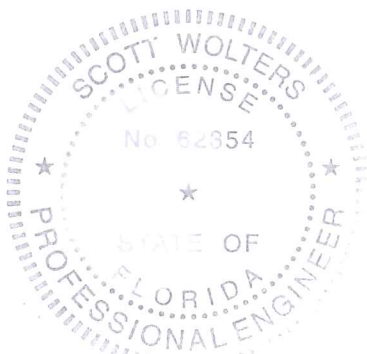
Or

La Florida-Inox (Square panels with sizes up to 35 7/16"x135 3/16" only)

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

Thank you,


Scott Wolters
FL PE# 62354
DEC 16 2017



SPECIALIZING IN IMPACT RESISTANT CURTAINWALLS, STOREFRONTS, & WINDOWS