

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: WOOD EUROPEAN SERIES GLAZED LIFT AND SLIDE DOOR (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 Lift and Slide Door, manufactured by Luxbaum Windows & Doors LLC, is a multi-panel glazed wood door set in a wood frame. The door has been tested per TAS 201, 202, and 203 by Architectural Testing, Inc. with results shown in test reports B3811.01-450-18, B3811.04-450.18, and HTL# 0271-0908-10.

Technical Documentation:

1. Drawing "LIFT&SLIDE" dated 12/14/17 (Rev. 3), signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Architectural Testing, Inc. signed and sealed by Vinu Abraham, PE.
3. Supplemental calculations to support "LIFT&SLIDE" drawings, 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:	157 3/4"
Maximum Frame Width:	Varies with number of panels
Maximum Panel Width:	68 1/16"
Maximum Design Pressure:	+63/-69 psf (See Design Pressure Table on Sheet 2)

Glass Options:

1 1/16" Monolithic Laminated
1/4" Heat Strengthened
0.180" SentryGlas Interlayer+
1/4" Heat Strengthened

1 3/8" Insulated Laminated
1/4" Heat Strengthened
0.180" SentryGlas Interlayer+
1/4" Heat Strengthened
7/16" Air Space
1/4" 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:

Meeting Stiles:

(6) Siegenia Lock Bolts
(Part# PGKB0430)
(2) Siegenia Drop Bolt and Cup
(Part# DBSY200NR)

Interlocking Stiles:

(6) Siegenia Interlock Plates
(Part# PMZB0150)

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

Thank you,


Scott Wolters
FL PE# 62354
DEC 15 2017

