

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: LUXBAUM 10 FT. GLAZED WOOD OUTSWING BI-FOLD DOORS

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

To all concerned,

The 10 ft. Glazed Wood Outswing Bi-Fold Door, manufactured by Luxbaum Windows & Doors, is a glazed wood door set in a wood frame. The door has been tested per TAS 201, 202, and 203 by Hurricane Test Lab LLC, with results shown in test report 0271-0213-08 (Specimens 1-4).

Technical Documentation:

1. Drawing "BI-FOLD DOOR", signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Hurricane Test Lab, LLC. signed and sealed by Vinu Abraham, PE.
3. Supplemental calculations to support "BI-FOLD 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 5th Edition (2014) 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:	128"
Maximum Frame Width:	Varies based on number of panels.
Maximum Panel Width	Varies – See chart on Sheet 1
Maximum Design Pressure:	+65/-70 psf

Glazing Options:

9/16" Monolithic Laminated
1/4" Annealed
0.090" SGP Interlayer+
1/4" Annealed

1 1/8" Insulated Laminated
3/16" Heat Strengthened
0.090" SGP Interlayer+
3/16" Heat Strengthened
1/2" Air Space
3/16" Tempered

+ I have evaluated the SentryGlas interlayer (NOA# 11-0624.02) referenced above and find that it complies with the requirements of the 5th Edition (2014) Florida Building Code for use in this product.

Locks:

Siegenia Multi-Point Lock at each panel
(Part# 3/45M5)
See Chart on Sheet 1 for Number of strikes and their locations

Hinges:

Frame Jambs to Panels:
(2) Centor Australia E4 Pivot sets and
(2) Centor Australia E4 Wall Pivot sets

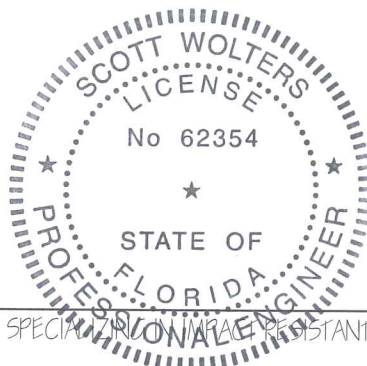
Panel to Panel:
(4) Centor Australia E4 Hinge sets
or
(2) Centor Australia E4 Hinge sets and
(2) Centor Australia E4 Intermediate Carrier sets

Note – (2) Centor Australia E4 Offset Carrier Sets are required at panels next to single swing panels.

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

Thank you,


Scott Wolters
FL PE# 62354
JUL 01 2015



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