

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

15211 97th Road N
West Palm Beach, FL 33412
Ph/Fx: (561) 225-1982

PRODUCT EVALUATION

PRODUCT: LUXBAUM 12 FT WOOD EUROPEAN OUTSWING CASEMENT WINDOWS

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

To all concerned,

The Luxbaum 12 Ft. European Outswing Casement Window , manufactured by Luxbaum Windows & Doors, is a glazed wood casement window set in a wood frame. The window has been tested per TAS 201, 202, and 203 by Hurricane Test Lab, Inc. with results shown in test reports 0271-0519-05, 0271-0206-02, 0271-0721-02, and 0271-1125-02

Technical Documentation:

1. Drawing "CASEMENT WINDOW", 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 "CASEMENT WINDOW", 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 window 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 1-9
Maximum Frame Width:	Varies – See elevations on Sheets 1-9.
Maximum Design Pressure:	+65/-70 psf

Glass Options:

9/16" Monolithic Laminated
1/4" Annealed
0.100" Saf-Glas Interlayer+
1/4" Annealed

9/16" Monolithic Laminated
1/4" Heat Strengthened
0.100" Saf-Glas Interlayer+
1/4" Heat Strengthened

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

1" Insulated Laminated
1/4" Annealed
0.090" SGP Interlayer++
1/4" Annealed
1/4" Air Space
3/16" Tempered

+ I have evaluated the Saf-Glas interlayer (NOA# 13-1102.10) referenced above and find that it complies with the requirements of the 5th Edition (2014) Florida Building Code for use in this product.

++ 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
(Part# 3/45M5 – 3/50M5)
Or
G-U Hardware Multi-Point Lock
(Part# HWC-35 / HWC-40)

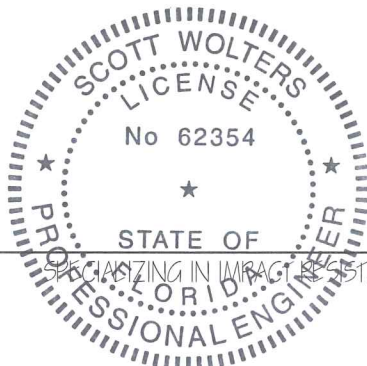
Hinges:

G-U Hardware 5020-SM
Or
Simonswerk Baka C2-20

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

Thank you,


Scott Wolters
FL PE# 62354



JUN 15 2015

SPECIALIZING IN IMPACT RESISTANT CURTAIN WALLS, STOREFRONTS, & WINDOWS