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Florida Certificate of Authorization #30903

Product Evaluation Report
Euro-4 Bi-Fold Wood Door System(non-HVHZ)
-Large and Small Missile Impact Resistant-

1.0 Product Manufacturer: Euro-Wall Systems, LLC
24100 Tiseo Blvd.
Pt. Charlotte, FL 33980

2.0 Code edition: Florida Building Code 5th edition (2014)-Building Volume
Florida Building Code 5th edition (2014)-Residential Volume

3.0 Evaluation Method: Engineering Evaluation (method 1D) in accordance with 61G20-3 F.A.C.

4.0 Product Category: Exterior Doors
4.1 Product Sub-Category: Swinging Exterior Door Assemblies

5.0 Product Description:

- 5.1 Exterior Frame-Wood (see requirements below)
- 5.2 Head Track and Frame sill-Aluminum (6063-T5)
- 5.3 Panel Frames-Wood (see requirements below)
- 5.4 Glazing- Laminated Insulated Glass Unit consisting of:
 - 1-3/16" Overall IGU (3/16" A.-.090" Glasslam Safety Plus II-3/16"-AS-3/16" FT)-
- 5.4 Glazing Method-Interior glazed with Dow Corning 995 backbed
- 5.5 Drainage- Sloped Sill with weeps
- 5.6 Cladding- Aluminum .0400" or thicker is permitted

Note: All wood utilized in the construction of this door system shall have the following minimum requirements:

Specific Gravity (G=0.45)
Density (27.8 pcf)
Modulus of Rupture (9,560 psi)
Modulus of Elasticity (1,395,000 psi)

6.0 Code Testing Performance Requirements

- 6.1 TAS 201-94 Impact Test Procedures
- 6.2 TAS 202-94 Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure
- 6.3 TAS 203-94 Criteria for Testing Products subject to Cyclic Wind Pressure Loading

7.0 Performance Test Results:

- 7.1 TAS 201-94, TAS 202-94 and TAS 203-94 test results on Intertek Testing Services Report Number 3057492 dated 11/23/2005
- 7.2 Design Pressure Rating (+55.0/-55.0) psf
- 7.3 Impact Resistance-Large Missile
- 7.4 Water Infiltration Performance-8.25 psf (outswing only)

8.0 Engineering Analysis and Evaluation:

- 8.1 Installation Anchorage Analysis signed and sealed by Thomas D. Sullivan, P.E. for multiple substrates
- 8.2 Engineering Evaluation report signed and sealed by Thomas D. Sullivan, P.E. for conformance to the Florida Building Code 5th edition (2014)
- 8.3 Glazing complies with ASTM E 1300

9.0 Installation Instructions:

- 9.1 Installation instructions signed and sealed by Thomas D. Sullivan, P.E. for the Euro-4 Bi-Fold Wood Door System

10.0 Limits and Conditions of Use:

- 10.1 Unlimited configurations provided max panel sizes in section 10.2 are met
- 10.2 Max panel size (42"x120")
- 10.3 Limited to non-shuttered applications outside of the HVHZ where the project specific allowable stress design pressure does not exceed +55/-55 psf when determined in accordance with ASCE 7-10
- 10.4 Alternate conditions not specifically addressed by this approval shall be designed by a registered Florida Professional Engineer or Architect
- 10.5 The structural adequacy of the substrate bearing the wind loads superimposed by this product are the responsibility of others
- 10.6 Conformance to the requirements of the Florida Building Energy, as applicable, are not included in the scope of this evaluation.

11.0 Certificate of Independence: Pursuant to the requirements of 61G20-3 F.A.C, I hereby certify that this Florida Professional Engineer, performing this evaluation, does not have nor will acquire an interest in any company manufacturing or distributing products for which the report is being issued. This is also to certify that this Florida Professional Engineer, does not have, nor will acquire a financial interest in any other entity involved in the approval process of this product.

12.0 Certification: In the professional opinion of this evaluating engineer the aforementioned product, the Euro-4 Bi-Fold Wood Door System meets the requirements of the Florida Building Code 5th edition for non-shuttered outside the HVHZ when utilized within the limits of use noted herein.

