

**Shawn G. Collins, P.E.**  
1212 Chatham Pine Place  
Brandon, FL  
Phone: 813-235-8712  
Email: [shawngcollins1@gmail.com](mailto:shawngcollins1@gmail.com)

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**Product Evaluation Report  
For  
Euro-Pivot Door**

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- 1.0 Product Manufacturer:** Euro-Wall  
24100 Tiseo Blvd.  
Port Charlotte, Florida 33980
- 2.0 Code edition:** Florida Building Code 5th edition (2014)-Building 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 Jamb- Extruded Aluminum shape(s)-Hinge Jamb and Lock Jamb (6063-T5) - Part # PV-05 and PV-06
  - 5.2 Head-Extruded Aluminum shape (6063-T5) - Part #PV-07
  - 5.3 Pivot Hinge (S/S type 316 by CRM)
  - 5.4 Glazing GL-1- 1-3/8" I.G.U Overall (1/4" F.T.-1/2" A.S.-.090 SG-3/16" ANN-1/4" ANN w/stainless spacer
  - 5.5 Glazing GL-2 9/16" Monolithic (1/4" ANN-.090 SG-1/4" ANN)
  - 5.6 Glazing Method-Set into Rails and Stiles (3/4" bite) and secured with EPDM gaskets (Part # PV-08 and PV-09) Glazing Type GL-2 utilized pocket reducers on both the interior glazing and the glazing bead (Part # PV-04) Gaskets conform to ASTM C864-05
  - 5.7 Drainage- None
  - 5.8 Multi-Point Locking System- Type 304 S/S Shoot bolts, top and bottom (Part # PV-16)
- 6.0 Code Testing Performance Requirements (HVHZ)**
- 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
  - 6.4 AAMA 1304-02 Forced Entry Resistance
- 7.0 Performance Test Results:**
- 7.1 TAS 201-94, TAS 202-94 and TAS 203-94 test results on Blackwater Testing, Inc. (MD #16-0801.05) Report Number BT-EUW-17-002, tested at 7341 Westport Place, Suite 1a, West Palm Beach, Florida signed and sealed by Constantin Bortes, P.E. on June 14<sup>th</sup>, 2017
  - 7.2 Design Pressure Rating (+60.0/-60.0) psf
  - 7.3 Impact Resistance-Large Missile (Small missile by LMI qualification)
  - 7.4 Water Infiltration Performance-9.0 psf
  - 7.5 Air Infiltration @ 6.24 psf= 0.052 cfm/ft<sup>2</sup>

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**8.0 Engineering Analysis and Evaluation:**

8.1 Installation Anchorage Analysis signed and sealed by Shawn G. Collins, P.E. for multiple substrates

8.2 Engineering Evaluation report signed and sealed by Shawn G. Collins, P.E. for conformance to the Florida Building Code 5th edition (2014)

Design Pressure Table ( $\pm$ psf)										
Panel Width (Inches)										
	40	44	48	50	56	60	66	69.5	72	
Panel Height (Inches)	72	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	78	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	84	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	90	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	96	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	102	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	108	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	114	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	118.375	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.5
	120	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	126	60.0	60.0	60.0	60.0	60.0	60.0	58.8		
	132	60.0	60.0	51.5	49.7	45.0	42.5			
	138	60.0	50.8	43.0	41.4	37.5				
	144	60.0	42.7	36.1	34.8	31.4				

**9.0 Installation Instructions:**

9.1 Installation instructions titled "Euro-Pivot-FPA-HVHZ" Installation Instructions signed and sealed by Shawn G. Collins, P.E. on 6/16/2017

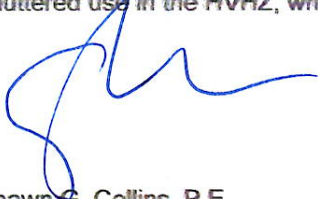
**10.0 Limits and Conditions of Use:**

- 10.1 Limited to maximum design pressure of +/- 60 psf (Panel sizes as noted in table 1)
- 10.2 Limited to non-shuttered applications inside and outside of the HVHZ where the project specific allowable stress design pressure does not exceed the pressures indicated on table 1, when determined in accordance with ASCE 7-10
- 10.3 Alternate conditions not specifically addressed by this approval shall be designed by a registered Florida Professional Engineer or Architect
- 10.4 The structural adequacy of the substrate bearing the wind loads superimposed by this product are the responsibility of others
- 10.5 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.

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**12.0 Certification:** In the professional opinion of this evaluating engineer the aforementioned product, "Euro-Wall Pivot Door" assembly meets the requirements of the Florida Building Code 5th edition, for non-shuttered use in the HVHZ, when utilized within the limits of use noted herein.



Shawn G. Collins, P.E.  
FL PE #70655  
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