

**ENGCO Inc.**  
Engineering Services

ENGCO, Inc.  
CA 8116  
5595 ORANGE DRIVE 201  
DAVIE, FLORIDA 33314  
Tel.: (954) 585-0304 Fax: (954) 585-0305  
Engco@aol.com

**PRODUCT EVALUATION REPORT**  
**RULE 61G20-3 – EVALUATION REPORT FROM A PROFESSIONAL ENGINEER**  
**Report Number: 15-202**

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- 1- Date:** 07/09/2015
- 2- Manufacturer:** Premium Estates S.A.C.  
Lima - Peru
- 3- Product Name:** 15-202 – Premium swing out wood door - Glazed  
15-202S – Premium swing out wood door - Opaque
- 4- Evaluation Entity:** Florida Professional Engineer  
Pedro Paulo M. De Figueiredo – PE 52609  
5595 Orange Drive Suite 201  
Davie – Florida – 33314

**5- Statement of Compliance:** This product evaluation report is being issued per Rule 61G20-3 of the Florida Department of Business and Professional Regulation. The product covered by this report has proven to be in compliance with the Florida Building Code 2014, included but not limited to the following standards: TAS 201, TAS 202, TAS 203 and AF&PA NDS 2012.

**6- Product Description:** This product is a swing out type door designed, constructed and tested to provide protection from hurricane force winds and wind borne debris (Large & small missile) within the allowable designed pressures and limitations state in this approval. Specification, fabrication and installation are as per drawings 15-202 (Glazed) and 15-202S (Opaque) replacing previous approved drawings 12-070 & 12-071.

## **7- Technical Documentation:**

**7.1- Approval Document:** Drawings number 15-202 and 15-202S prepared by Engco, Inc. on 07/08/15 sheets 1 through 17 of 17, titled "Premium" Glazed and Opaque swing out wood door signed and sealed by Pedro De Figueiredo, PE.

**7.2- Test Reports** – TAS 202, TAS 201 (Large missile) and TAS 203 as per the Florida Building Code 2014 prepared by Hurricane Engineering & Testing Inc., reports # 99-799A, 99-799B, 99-799C, 99-1136, 99-799D, 99-1137, 03-1846, 03-1343, 09-2332B & 09-2532A

**7.3- Calculations:** Original calculations and design for door anchorage and analysis of test results, prepared by Engco Inc on 11/24/09 signed and sealed by Pedro De Figueiredo, PE.

### **7.4- Product sequential data:**

FBC 2007 - FL 13362 - Drawings 09-243 and 09-241

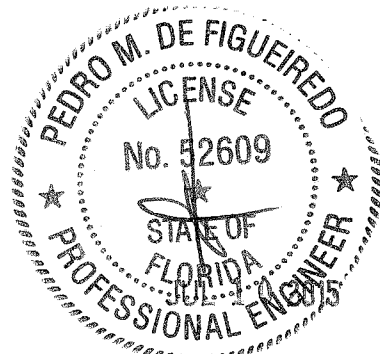
FBC 2010 - FL 15498 - Drawings 12-070 and 12-071

FBC 2014 - Update approval - Drawings 15-202 and 15-202S

## **8- Limitation and Conditions of use:**

**8.1** – Product to be manufactured, designed and installed as per drawing specifications 15-202 and 15-202S, prepared by Engco, Inc dated on 07/08/15 and signed and sealed by Pedro De Figueiredo, PE.

## **9- Statements:**



Pedro De Figueiredo

Fl. P.E. License: 52609

System ID: 2504