

Product Evaluation Report

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Product Manufacturer

Pella Corporation
102 Main Street
Pella, IA 50219

Product Name, Model and/or Description

3-9/16 x 1/2 Aluminum Structural Mullion
Part Number 0A6G

Code:

- Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code

Compliance Method:

- Product Approval Rule 61G20-3.005(1)(d) – Product Evaluation Report by a Licensed Professional Engineer

Description of Scope:

PTC PRODUCT DESIGN GROUP, LLC was contracted by Pella Corporation to perform an engineering evaluation of their 3-9/16 x 1/2 Aluminum Structural Mullion Part Number (0A6G) for use with the following product lines, types and materials.

1. **Product Lines**

- Reserve Series, exterior clad and wood
- Lifestyle Series with HGP, exterior clad
- Lifestyle Series without HGP, exterior clad
- Direct Set Aluminum Clad Wood Fixed Windows
- Pella Entry Systems, exterior clad and wood

2. **Product Types**

- Casement
- Awning
- Picture
- Direct Set Geometric and Radius
- Double Hung *

* Not applicable for vertical mulls on Impact Double Hung.

3. **Product Materials**

- Extruded aluminum for aluminum mullion and aluminum portions of window.
- Pine for wood portions of window.



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The method of evaluation used is that promulgated by AAMA 450-06/09/10 as follows:

- Product grouping documented in Reference 1 & 2 in conformance to the grouping requirements of Section 6.0 of Reference 4.
- Rating documented in Reference 1 & 2 in accordance with the requirements of Option 3, Structural Calculations of Section 8.0 of Reference 4 with regard to product grouping and structural analysis of mullions.

Code Conformance, Limitations and Conditions of Use:

1. This report and associated engineering is in compliance with the current edition of the Florida Building Code – Building and Residential Volumes, Chapter 17 and Chapter 6 respectively and AAMA 450, Option 3, Structural Calculations by a Professional Engineer with regard to product grouping and structural analysis of mullions.
2. Product anchors shall be as designated and described in Reference 1.a. Anchor embedment and edge distance exclude wall finishes including, but not limited to sheathing, underlayment, and shingles.

References and Supporting Documents:

1. PTC Design Group Engineering Report
 - a. Report Number 0503-1, MULLION CALCULATIONS FOR VERTICAL AND HORIZONTAL MULLION, SERIES: 3-9/16 x 1/2 Aluminum Structural Mullion Part Number 0A6G
2. PTC Design Group Engineering Analysis
 - a. Table 1 envelope of the following:
 - i. Vertical Mullion, 2-way (side-by-side), full vertical length.
 1. Report Number 0001
 2. Report Number 0002
 3. Report Number 0003
 4. Report Number 0004
 - ii. Horizontal Mullion, 2-way (one-by w/transom), full horizontal length.
 1. Report Number 0014
 2. Report Number 0015
 3. Report Number 0016
 - b. Table 2A – Horizontal Mullion, 3-way (side-by-side w/transom), full horizontal length.
 - i. Report Number 0010
 - ii. Report Number 0011
 - iii. Report Number 0012
 - c. Table 2B – Vertical Mullion, 3-way (side-by-side w/transom), sill to horizontal mull.
 - i. Report Number 001A
 - ii. Report Number 002B
 - iii. Report Number 003C
 - iv. Report Number 004D
 - d. Table 3 envelope of the following
 - i. Vertical Mullion, 2-way (side-by-side w/transoms), full vertical length.



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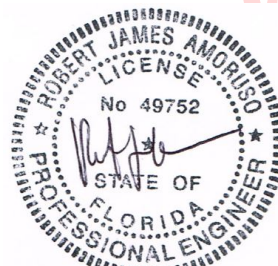
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1. Report Number 0005
 2. Report Number 0006
 3. Report Number 0007
 4. Report Number 0008
 - ii. Horizontal Mullion, 4-way (side-by-side w/transoms), full horizontal length.
 1. Report Number 0018
 2. Report Number 0019
 3. Report Number 0020
3. Florida Building Code
 - a. Current Edition of the Florida Building Code (FBC), Building Volume
 - i. Chapter 17 - Mullions
 - b. Current Edition of the Florida Building Code (FBC), Residential volume
 - i. Chapter 6 - Mullions
 4. AAMA 450-06/09/10, Voluntary Performance Rating Method for Mulled Fenestration Assemblies.

Certificate of Independence per Product Approval Rule 61G20-3.009

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. does not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.



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Amoruso

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Evaluated By:

Robert J. Amoruso, P.E.

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