



Architectural Testing

TEST REPORT SUMMARY

Rendered to:

FAIRWAY BUILDING PRODUCTS, LP
P.O. Box 37
Mount Joy, Pennsylvania 17552

Date: 05/21/08

Product: PVC Guardrail System - *Masters Vinyl Balustrade*

Test Date: 11/13/06 through 12/20/06

Scope: The *Masters* PVC guardrail system was tested for evaluation in accordance with ICC-ES™ AC174 (July 1, 2005), *Acceptance Criteria for Deck Board Span Ratings and Guardrail Systems (Guards and Handrails)*, ICC-ES acceptance criteria to evaluate compliance with the following building codes:

2003 International Building Code®, International Code Council
2003 International Residential Code®, International Code Council

Conditions / Limitations: The *Masters* guardrail system was tested for applications limited to Group R Occupancy and for One- and Two-Family Dwellings as defined by the referenced codes. Testing was conducted with guardrails attached to 27 in and 37 in high stainless steel "X" shape post tower mounts with internal 0.04 in aluminum sheet metal inserts (for PVC socket bracket attachment) and 8 in square, raised-panel PVC post sleeve.

Results: The *Masters* guardrail system met the structural performance requirements of Section 5.1 of AC174 for rail lengths up to and including 144 in and rail heights up to and including 42 in for Group R Occupancy applications. The 27 in and 37 in high square post tower mounts as installed in a rigid surface application were adequate for supporting the *Masters* guardrail system up to and including 144 in and rail heights up to and including 42 in for Group R Occupancy applications. Anchorage of the post mount was not included in the scope of this project and would need to be evaluated separately.

See Architectural Testing, Inc. test report 69029.02-119-19 for full details of the testing and component descriptions.

For ARCHITECTURAL TESTING, INC.:

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