

Loss Mitigation Grant Program Wind Resistive Device (WRD) Product Evaluation

The product as described herein has been evaluated by the Department of Commerce and Consumer Affairs (DCCA) for compliance with the technical requirements for wind resistive devices installed in single or multi-family residential dwellings. Installation costs of approved products are partially reimbursable under the provisions of the Loss Mitigation Grant Program. The results of the product evaluation are presented in the following report.

1.0 Product Information

1.1 Product Name:

Series "RE1500" Extruded Aluminum Roll Shutters

1.2 Description:

Series "RE1500" Extruded Aluminum Roll Shutters are a rolling type aluminum shutter designed to provide impact and wind load protection to glazed openings. The difference between the Series "RE1500" product and other models (series "RE1000" and "RE3000") are the size and thickness of slats, guide rails, and other components.

1.3 Category:

Submitted for evaluation as a WRD option 3- Exterior opening protection

1.4 Submitted By:

All Island Rollshutter LLC
555 Paiea Street
Honolulu, HI 96819
Ph: (808) 833-3355

- a. Manufacturer:
Roll Star USA
6351 NW 28th Way Suite C
Fort Lauderdale, FL 33309
Ph: (954) 972-4772
ddhhcc@aol.com
- b. Technical Representative:
Pedro De Figueiredo
6971 W. Sunrise Blvd.
Plantation, FL 33313
Ph: (954) 585-0304
Engco@aol.com
- c. Local Sales Representative:
Gordon A. Alexander
All Island Rollshutter LLC
Ph: (808) 833-3355

2.0 Product Evaluation

2.1 Wind Loads:

No test data has been submitted. However Miami-Dade, Notice of Acceptance (NOA) No. 02-1021.03, approval indicates static and cyclic load capacities in excess of the requirements of the WRD loss mitigation grant program.

2.2 Impact Resistance:

No test data has been submitted. However Miami-Dade, Notice of Acceptance (NOA) No. 02-1021.03, approval indicates a Missile Impact rating of D. This exceeds the requirements of the WRD loss mitigation grant program.

2.3 Installation:

Series "RE1500" Extruded Aluminum Roll Shutters are to be installed in accordance with the manufacturer's published installation instructions, engineering drawings and this report.

The manufacturer's published installation instructions and this report shall be strictly adhered to and a copy of these shall be available at all times on the job site during installation.

2.4 Substantiating Data:

- a. Drawing Number 02-435R1, titled "RE 1500 Extruded Aluminum Roll Shutter", sheets 1 through 15 of 15, prepared by EngCo, Inc., Dated 6/27/2002, signed and sealed by Pedro De Figueiredo., P.E. (FL License No. 52609)
- b. Miami-Dade County, Building Code Compliance Office Notice of Acceptance (NOA) No. 02-1021.03, Approval Date: April 10, 2003, Expiration Date: April 10, 2008

3.0 Findings

Evaluation in review of the submitted data indicates that the Series "RE1500" Extruded Aluminum Roll Shutters as described in this report do conform to the requirements of the loss mitigation grant program and are an acceptable WRD for use on window, door, and sliding glass door glazed openings for masonry construction only.

No anchorage details or test results have been provided for single wall construction common to Hawaii. Additional data must be submitted for WRD approved use on this construction type.

For double wall construction the drawings clearly specify all wood members to be Southern Yellow Pine. Hawaii construction primarily utilizes Douglas Fir. For WRD acceptance, provide substantiation for an alternative connection schedule for attachments to Douglas Fir wood members.

3.1 Limitations:

- a. Series "RE1500" Extruded Aluminum Roll Shutters qualify as an approved WRD product for use on masonry construction only.
- b. Series "RE1500" Extruded Aluminum Roll Shutters must be installed in accordance with the installation instructions in this report and the manufacturer's published installation instructions.

Gary Y. K. Chock, S.E.
Product Examiner
June 13, 2007