

# Roof Assemblies for Storm Shelters

Designed Per the ICC 500-2008 Standard



## Hurricane Shelters

Design Wind Speeds from 160 to 225 mph

## Tornado Shelters

Design Wind Speeds from 130 to 250 mph

### Shelter Wind Uplift Loads

Type of Shelter	Design Wind Speed	Uplift Pressures* (psf)
Hurricane	160 - 225 mph	52 - 280
Tornado	130 - 250 mph	34 - 345

\*Based on 30' mean structure height

### Shelter Wind-Borne Debris Impact

Type of Shelter	Missile	Missile Impact Speed	Pass/Fail
Hurricane	9 lb. 2x4	16-23 mph	No Interior Perforation
Tornado	15 lb. 2x4	53-67 mph	

### Shelter Qualified Roof Assemblies

Loadmaster Insulated Roof Deck Assemblies with Zip-Rib Standing Seam Metal Roof coverings have been tested by independent testing laboratories and have passed all the above requirements.

### Sealed Designs

Loadmaster will provide, free of charge, proposed assembly designs to meet any combination of the above performance requirements on either type of shelter. Final designs can be furnished sealed by a structural engineer licensed in the state the shelter is located.

For more information, contact your local Loadmaster representative.



**Loadmaster  
Systems, Inc.**

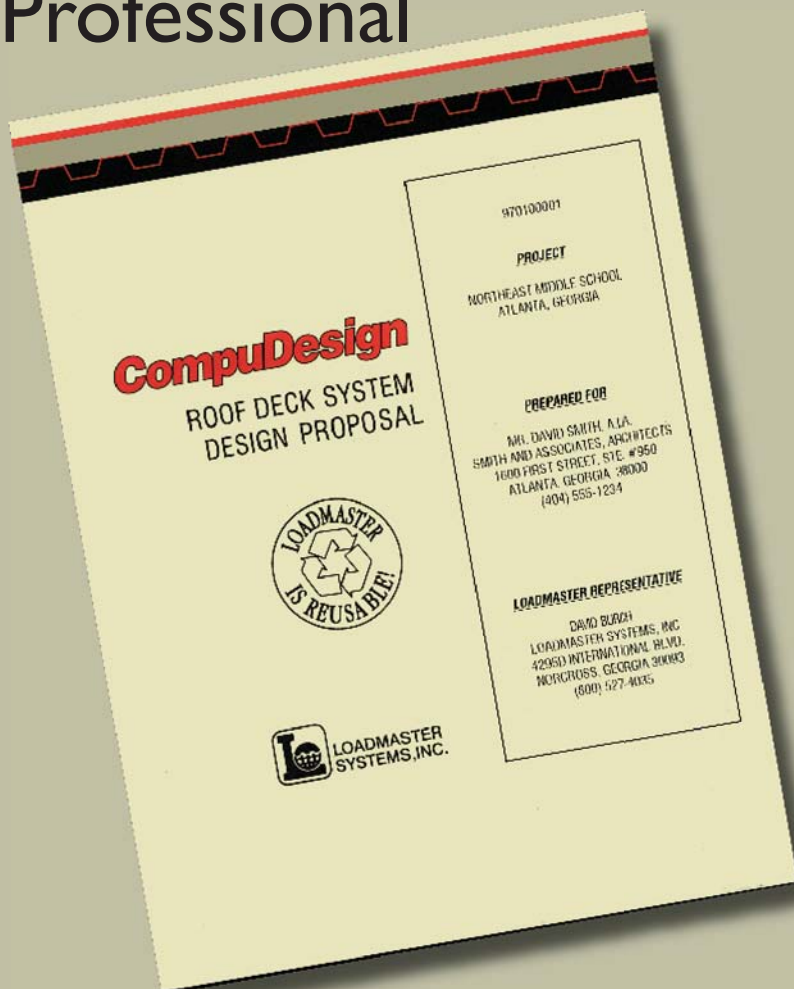
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# Hurricane Shelters & Tornado Shelters

A shelter design service furnished without charge to the Design Professional

## CompuDesign

1. You save TIME and MONEY.
2. It's simple to use. Call, fax or e-mail us your building design data on our user-friendly, easy-to-complete CompuDesign forms.
3. CompuDesign compares your project design data with over 5,000 possible Loadmaster assemblies and selects the proper one for your project.
4. You receive, free of charge, a neatly bound Roof Deck System Design Proposal detailing the following:
  - Building Design requirements
  - Roof deck assembly performance requirements
  - Loadmaster assembly designed performance
  - Loadmaster assembly engineered drawings
  - Associated Terminator details
  - Specifications written for your project
5. Project specifications and assembly drawings are also available in Word and AutoCAD formats.



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