



Metal Magicians at Work....creating Doorways of Distinction for the Pathways of Tomorrow



TESTED PRODUCT ANNOUNCEMENT

January 11, 2011

**MegaMet Industries** proudly announces a significant addition to our windstorm rated door & frame components and assemblies. This new capability is a Product Classification approval by Underwriters Laboratories, Inc under our Files **R26905** (frames) and **R26909** (doors). Long respected as the leader in testing and certification of hollow metal fire doors, **UL has recently included certifications for windstorm protective doors and frames**. These certifications include their Follow-Up Services unannounced factory inspections assuring products comply with UL's strict Procedures over fabrication and quality specifications.

This Classification and Follow-Up Services Program is especially useful in **Jurisdictions that prefer a nationally recognized third-party label or certification entity** in lieu of regional approvals. Our UL Certification information may be confirmed from UL Categories **ZHDL (frames)** and **ZHCW (doors)** in the online UL Building Materials Directory accessible from ([www.ul.com](http://www.ul.com)).

General Information for this UL Certification is as follows:

- **Design Pressure:** +/- 70 pounds per square foot (psf) maximum.
- **Static Pressure:** 135 pounds per square foot (psf) maximum (almost 1 psi).
- **Impact:** Large Missile 350 foot pounds; also qualifies for Small Missile Impact.
- **Configuration:** Single or Double doors; Outswing.
- **Door Leaf Size:** 3'-0" wide X 7'-0" high maximum.
- **Assembly Overall Size:** 40" X 86" maximum single; 76" X 86" maximum double.
- **Door Stiffness:** Class 1 per ANSI A250.13.
- **Specification Compliance:** ASTM E330, ASTM E1886, ASTM E1996, **FBC** TAS 201-202 and 203, as well as **ANSI A250.13**.

**NOTE:** ANSI A250.13 is the American National Standard Institute's method of establishing Design Pressure (DP) of an assembly based on the ratings of critical components. Combinations of these components may retain the DP of the assembly, but cannot increase the DP. For example, using doors, frames, hinges, and installation rated at a DP of 70 with a lock rated at a DP of 60 results in an assembly with a DP of 60. This concept is similar to what is already done with fire-rated assemblies.

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Specific information for this UL Listing for **Frames** allows the following:

- Series: M or CM.
- Material: Steel, Galvanized, or Stainless Steel.
- Gage: 16 gage minimum @ single door; 14 gage minimum @ double doors.
- Jamb Depth: 5 3/4" minimum.
- Corners: Miter and weld per HMMA-861.
- Jamb Anchors: New or existing Masonry, Concrete, Wood or Steel Stud, 4 per jamb.
- Head Anchors: None required.

Specific information for this UL Listing for **Doors** allows the following:

- Faces: 16 gage minimum; Opaque (Flush).
- Material: Steel, Galvanized, or Stainless Steel.
- Stiffeners: Vertical steel stiffeners per HMMA-861.
- Edges: Continuously welded and dressed smooth per HMMA-861.
- Insulation: Rockwool, fiberglass, Expanded Polystyrene, Honeycomb, or Slab Polyurethane.
- Astragal: Optional.

Design Pressure rating of hinges and latching devices can be obtained from many sources including Categories ZHDX (hinges) and ZHEM (latching devices) in the online UL Building Materials Directory accessible from ([www.ul.com](http://www.ul.com)).

**Current approvals are compliant with the latest 2007 Florida Building Code, which includes assemblies or components for Doors with louvers and lights, Frames with sidelight/transom configurations, as well as windows. See the "Wind Door" button on our website for complete information - [www.megametUSA.com](http://www.megametUSA.com) .**



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**Hardware Configurations for Single Doors** under this UL Listing for doors:

- Butt Hinges (4 1/2" minimum); minimum 3 per jamb.
- Continuous Hinges.
- Cylindrical (bored) Lock with 1/2" minimum throw.
- Mortise Lock with latchbolt and deadbolt function.
- Rim Exit Device with strike interlock.

**Hardware Configurations for Double Doors** under this UL Listing for doors:

- Butt Hinges (4 1/2" minimum); minimum 3 per jamb.
- Continuous Hinges.
- Cylindrical (bored) Lock with 1/2" minimum throw (active door); ANSI A156.115 standard strike and two surface bolts (inactive door).
- Mortise Lock with latchbolt and deadbolt function and 1/2" minimum throw (active door); ANSI A156.115 standard strike and two surface bolts (inactive door).
- Rim Exit Device with strike interlock (each leaf) and compliant hardware mullion.
- Surface Vertical Rod Exit Device (each leaf).
- Concealed Vertical Rod Exit Device (each leaf).

NOTE: Thresholds or weatherstripping were not used for testing, therefore water penetration information is not applicable. These components are normally not supplied by the Hollow Metal manufacturer.

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Further information may be obtained from our courteous staff at our office in Birmingham!

*Edward L. Wall, JR* – President

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