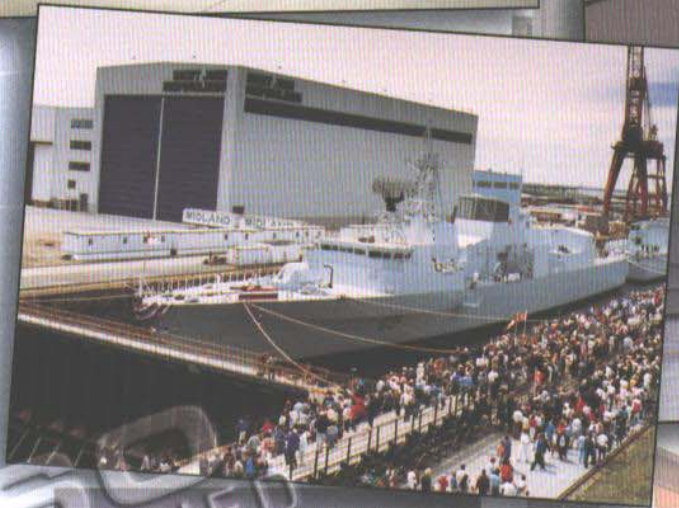
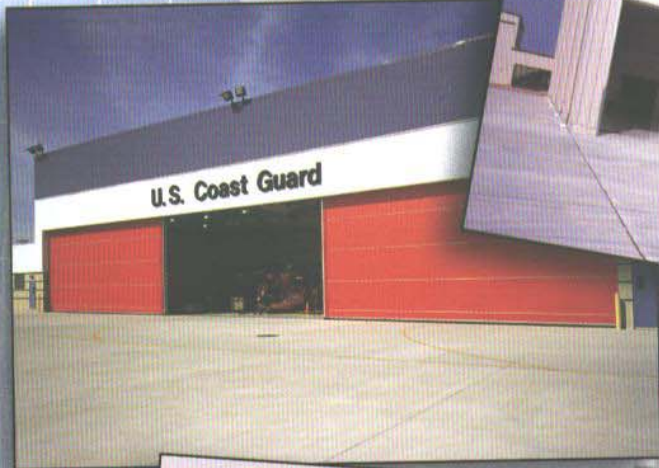
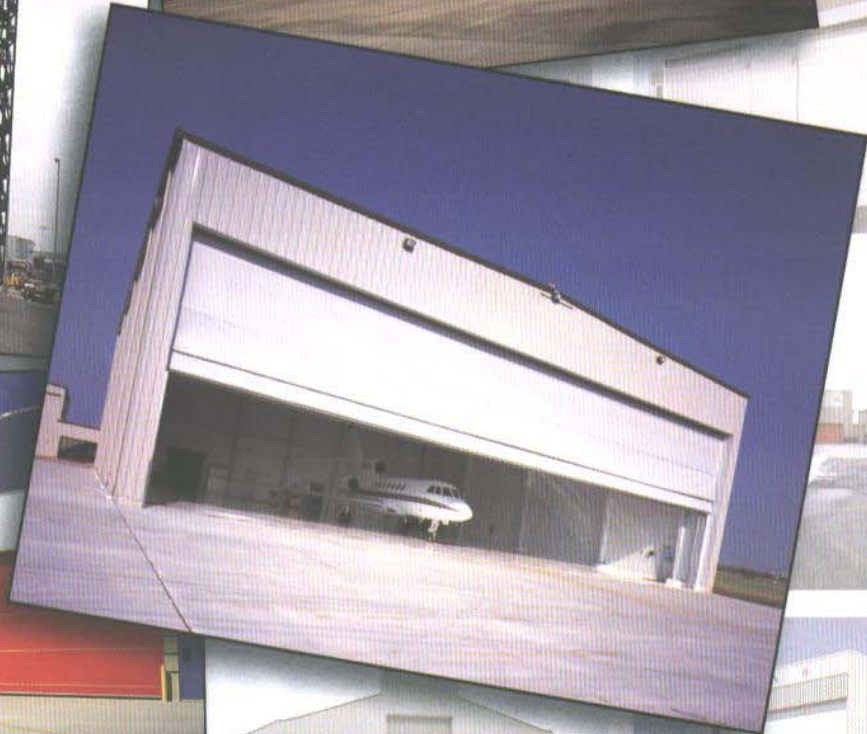
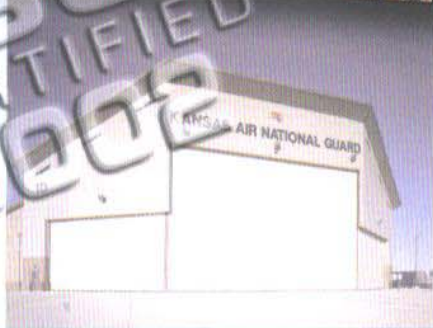


08342/MEG  
Buyline 7955



LSI  
CERTIFIED  
GOODS



**MEGADOOR**<sup>®</sup>

OPENING SOLUTIONS

## About the Company

MEGADOOR, INC. is a subsidiary of CARDO Door of Sweden, one of the world's largest door manufacturers. With more than 9,000 doors in use worldwide, the proven performance of the MEGADOOR is diverse and unquestionable.

MEGADOOR operates from its U.S. headquarters in Peachtree City, Georgia, just south of Atlanta, where technicians are readily available and eager to assist with any large, unusual door requirement. As a leading manufacturer of doors for over-sized, unusual and difficult applications since 1971, MEGADOOR specializes in doors for automotive manufacturers, shipyards, aircraft hangars, aerospace, mining industry, process industry and various other types of manufacturing facilities.

## Design Engineering

Each MEGADOOR is custom designed and engineered to exact specification. At the onset of a project, MEGADOOR specialists are available to consult with and recommend the proper door configuration. The highly trained MEGADOOR engineers then completely design each individual door for the end users special requirements and to accommodate necessary wind-loading requirements.

For certain applications, it may be advantageous to split a large opening into two or more smaller openings using the patented, MEGADOOR swing-up mullion system. This multiple door system offers increased flexibility in the design of the building, thus saving energy as well as the overall building size.

There is virtually no limit to size or configuration of a MEGADOOR. Each prefabricated, light weight unit installs fast, easily and inexpensively. MEGADOOR backs these products with their corporate strength and capability.

more information is available at  
**[www.megadoor.com](http://www.megadoor.com)**

# ENGINEERED TO MEET PROJECT DEMANDS

*FedEx Line Maintenance Hangar, Anchorage, Alaska 239' W x 70' / 40'  
Architect: Frankfurt-Short-Bruza Associates, P. C., Oklahoma City, Oklahoma*



# ENGINEERED FOR RELIABILITY

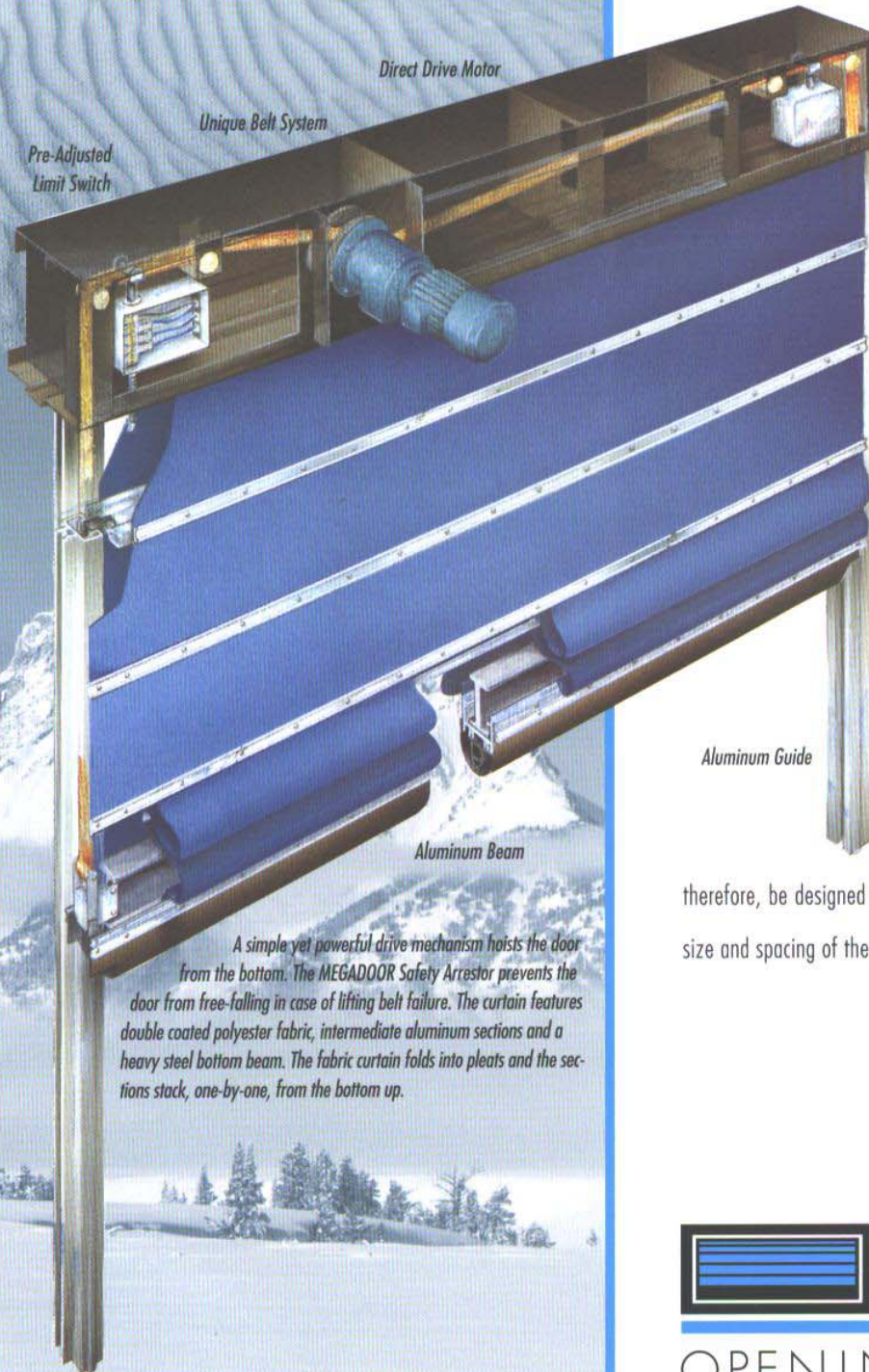
## Built to Last

The MEGADOOR is built to last! Its unique, patented design features two panels or curtains of vinyl-coated, polyester fabric supported by horizontal, extruded aluminum beams. The door is constructed with solid, heavy duty and corrosion resistant components, and the reliable

electric system includes sealed motors to prevent dirt and dust infiltration.

The MEGADOOR glides up and down in weather-sealing, vertical guides which are attached to the structure, and operates by lifting the bottom beam upwards, thereby stacking the intermediate beams one on top of the other, with fabric folds on both sides. Opening and closing speed is approximately 30-60 feet per minute.

The MEGADOOR is designed with no springs or counterweights, very few moving parts, and requires little or no maintenance. It is particularly applicable to satisfy heavy windload requirements, since, due to the unique design, the horizontal beams transfer the windload to the vertical guides and the structure. The door can, therefore, be designed to withstand virtually any windload by varying the size and spacing of the beams.



*A simple yet powerful drive mechanism hoists the door from the bottom. The MEGADOOR Safety Arrestor prevents the door from free-falling in case of lifting belt failure. The curtain features double coated polyester fabric, intermediate aluminum sections and a heavy steel bottom beam. The fabric curtain folds into pleats and the sections stack, one-by-one, from the bottom up.*

 **MEGADOOR**<sup>®</sup>  
OPENING SOLUTIONS

The MEGADOOR is designed for openings which depend on reliability due to critical circumstances. This reliability is due in part to the extreme cycling capability of the MEGADOOR. The standard MEGADOOR is designed to cycle millions of times with little or no deterioration.

Additionally, for installations requiring high speed cycling, the product can be designed to cycle up to 24" per second. Such high-speed operation improves increased traffic flow and helps reduce energy costs.

Because of the extensive use of aluminum and polyester, the MEGADOOR is extremely lightweight. The lightweight qualities, however, do not inhibit the door's toughness and durability. In fact, the resilient MEGADOOR is built for abusive, heavy traffic, and corrosive environments, and can still function if damaged. In the event that the MEGADOOR is damaged, it is easily repaired with little or no disruption of normal traffic.

The MEGADOOR is particularly suited for shot-blasting and paint facilities since the durable fabric is virtually unaffected by sand, paint or grit. Special fabrics for increased fire protection are available upon request.



Simple and logical construction enables the MEGADOOR to withstand more punishment than other doors. When necessary, it can be quickly and easily repaired.

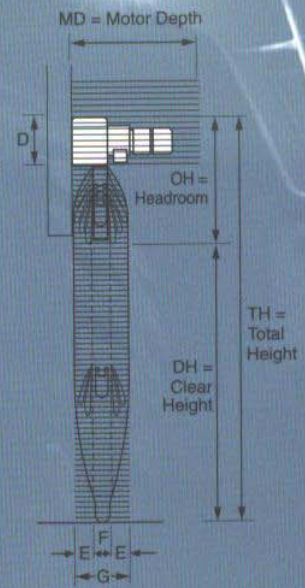
more information is available at  
[www.megadoor.com](http://www.megadoor.com)

# ENGINEERED FOR DURABILITY & HIGH CYCLE

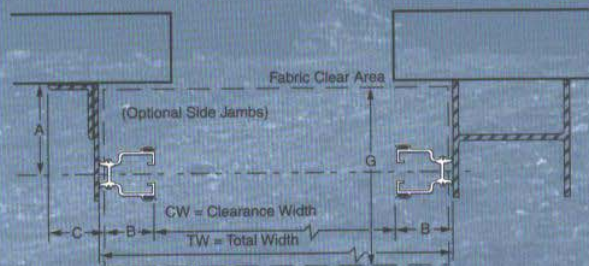
## Minimum Space Requirements

	SYSTEM 800	SYSTEM 1000
A	7"	10 <sup>1</sup> / <sub>4</sub> "
B	4"	4 <sup>3</sup> / <sub>4</sub> "
C	3 <sup>1</sup> / <sub>4</sub> "	4 <sup>3</sup> / <sub>8</sub> "
D	14 <sup>3</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "
E	5"	7"
F	4"	6 <sup>1</sup> / <sub>4</sub> "
G	14"	20 <sup>1</sup> / <sub>4</sub> "

\* Increase 2" for High-Speed Door



The headroom of any MEGADOOR is determined by computer, based on the opening requirement. The illustration shows the clearance space required for the fabric when the door is in motion.



# ENGINEERED FOR EXTREME ENVIRONMENTS



*MEGADOORS operate with extreme reliability in steel mills.*

## Extreme Environments

The MEGADOOR is designed for a very tight fit with weather seals on both sides of the vertical guides and on the bottom beam. The air space between the double, fabric curtain forms an excellent insulator, and reduces air infiltration for installations such as clean rooms, where dust control is a concern, and in areas of extreme atmospheric conditions. Additionally, its corrosive resistant components make the MEGADOOR suitable for areas where corrosion would otherwise be a problem.



*In the dirt and grime of the Barrick Gold Strikes wash bay facility, 2 - 38' x 28' MEGADOORS dependably operate every day.*



*MEGADOOR's large door applications provide consistently reliable service within the automotive industry.*



*4 - 36' x 34' MEGADOORS are installed at Triton Coal near Wright, Wyoming.*

 **MEGADOOR**<sup>®</sup>  
OPENING SOLUTIONS

There are virtually no limitations in height and width of a MEGADOOR. Size restrictions are limited only to what is practical. Because of the Company's custom engineering capabilities, each and every MEGADOOR is specifically built to fit the need, whatever the size.

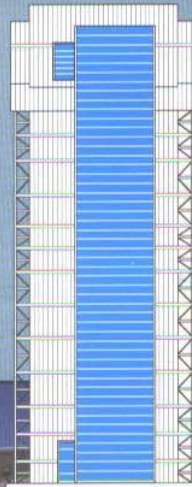
### Extreme Designs

Many applications require multiple door types in order to be completely effective. MEGADOOR designs combination doors with multiple mullions that swing up to accommodate overhead cranes or for large aircraft hangars.

### Conventional Designs

Due largely to the design limitations of sliding hangar doors, most conventional maintenance hangars are designed today as box structures. MEGADOOR hangar doors can operate efficiently in box structure hangar designs with considerable cost savings in structural steel, concrete beams/rails, door pockets, door structure and long-term maintenance.

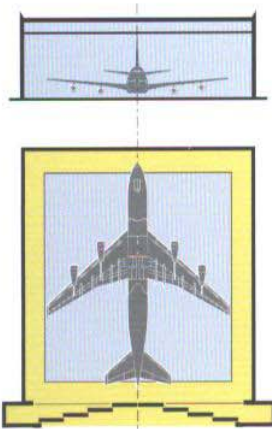
# ENGINEERED FOR DESIGN FLEXIBILITY



Lockheed-Martin EELV/VIF,  
Cape Canaveral, Florida - 45' x 285'

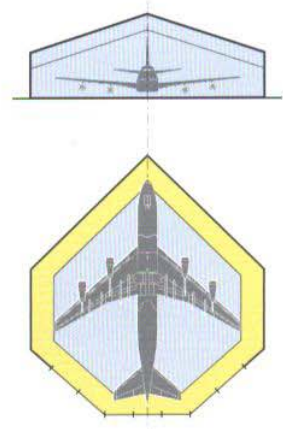


### Conventional Hangar Maintenance Facility



Floor Area - 73,903 sq. ft.  
Volume - 6,281,755 cu. Ft.

### Flexible Design Facility



Floor Area - 54,128 sq. ft.  
Volume - 3,299,498 cu. ft.

C-130H Hangar for the Illinois Air National Guard,  
Peoria, Illinois - 153' x 27'/45'



The innovative design of this KC-135 Fuel Cell Maintenance Hangar for the Mississippi Air National Guard in Meridian, Mississippi by O'Kon & Company Architects of Atlanta was a recipient of the 1994 Excellence in Engineering award from The American Consulting Engineers Council.

more information is available at  
[www.megadoor.com](http://www.megadoor.com)

## Flexible Designs

Innovative hangar designs are possible with MEGADOOR. The maintenance hangar footprint can be reduced to a minimum around the primary aircraft shape. And, by sloping the roof down toward the sides, the cubic volume can be cut almost in half. The ability of MEGADOOR to operate vertically and stack overhead offers the designer flexibility to shape the hangar in the most cost effective way. The reduction of square footage and volume results in construction and long-term energy savings, which is a major factor in today's competitive market.



A unique 84' x 55' door with four separate leaves and pivoting mullions at the shot blast shop of Chicago Bridge and Iron Company, Birmingham, Alabama.



C-141-B/C17-A Fuel System Maintenance/Corrosion Control Hangar for the Tennessee Air National Guard in Memphis, Tennessee. The design by Pickering Firm, Inc., Architects of Memphis was the 1995 Engineering Excellence Grand Award Winner.



Boeing 747 3-Bay Hangar,  
Wichita, Kansas; 238' W x 78' H, 258' W x 78' H, 259' W x 78' H.,  
Architect: Gossen, Livingston, Architects, Wichita, Kansas

 **MEGADOOR**<sup>®</sup>  
OPENING SOLUTIONS



[www.megadoor.com](http://www.megadoor.com)

Visit MEGADOOR's Internet source, [www.megadoor.com](http://www.megadoor.com), for complete information on MEGADOOR products and to order product literature, architectural binders, videos, installation manuals, etc. Also available is a product solution guide to help direct the user to the proper product for specific market segments, along with a photo album showing the versatility and typical usage of the MEGADOOR product.



MEGADOOR's are now available through GSA, the federal government's procurement agency which assists other federal agencies locate and purchase various products and services from both federal and commercial sources. Through GSA, the selection and purchasing process is simplified due to pre-negotiated, multi-user contracts, and by leveraging the volume of the federal market to reach attractive pricing schedules.



ME 020.803.35M

Litho USA 2003 MAP Marketing, Inc.



*FedEx Heavy Maintenance Facility, Memphis Tennessee  
Hangar 12 - 384' x 70', Hangar 11 272' x 60'/50'/40'  
Architect: Frankfurt-Short-Bruza Associates, P.C., Oklahoma City, Oklahoma*



*Kansas Air National Guard - B-1 Shaped Hangar  
Wichita, Kansas, 160' x 27'/46' Doors  
Architect: McCluggage, Van Sickle & Perry*



*Maine Air National Guard - KC-135 Shaped Hangar  
Bangor, Maine, 162' x 49'/28'.  
Architect: Oest Associates, S. Portland, Maine*

665 Highway 74 South • P. O. Box 2957  
Peachtree City, Georgia 30269  
(800) 927-6342 • (770) 631-2600 • FAX: (770) 631-9086  
e-mail - [sales@megadoor.com](mailto:sales@megadoor.com)