

DATA SHIELD

DATA CENTER SECURITY DOOR

ACCESS DOORS FOR MODULAR DATA CENTERS

A.J. Manufacturing's Modular Data Center (MDC) door was developed to meet the unique demands that Modular Data and Data Center's require. We listened to the project owner, the manufacturer, and the field teams and responded by leveraging our 60 plus years of door and gasket design experience into the solution. No other door exists to deliver the wide range of hardware and security options, functionality as a service door, and performance against air and water leakage as does the MDC door from A.J.

The MDC door and frame are both purpose built and feature a polyurethane foam core for superior structure, thermal performance and leak resistance. In addition, the bulb and leaf weather seal and hardware preparations, provide for a wide range of hardware functionality and durability.



*High Leak
Resistance*



*Excellent Thermal
Efficiency*



*Durable and
Secure*



Building Ideas

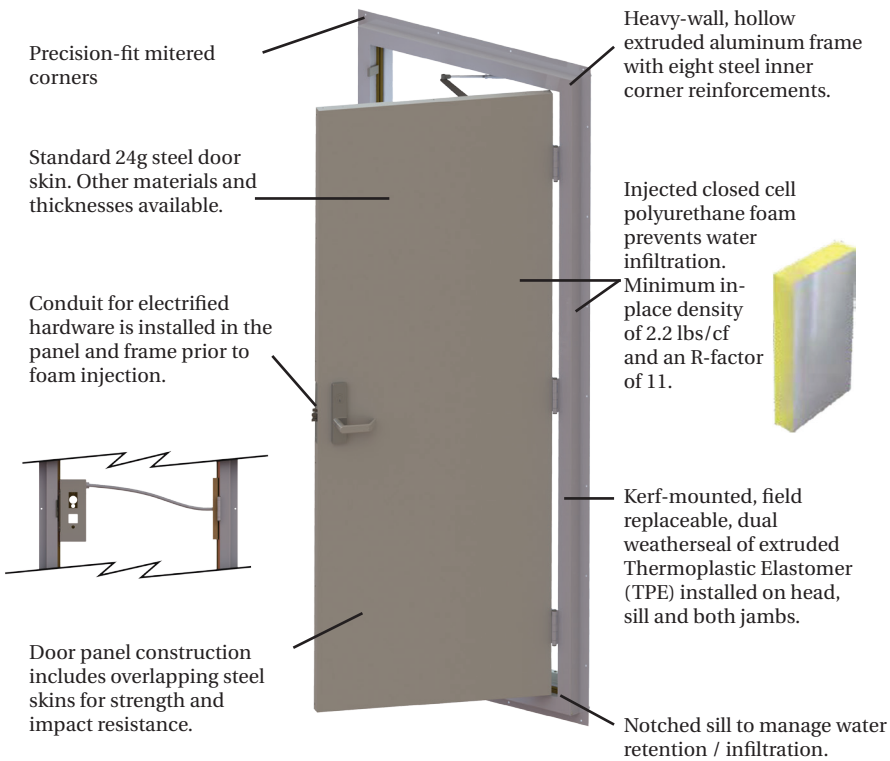
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The best-built security door designed specifically for Modular Data Centers

- Sustains unit efficiency, allowing the unit to be more cost-effective during operation.
- Custom hardware options available to meet your specific needs.
- 1.75" thick door panel
- Independently tested in accordance with ASTM E331 to be water resistant to a pressure differential of 2" water gauge.
- Both the door panel and jamb are insulated with environmentally friendly Ecomate® polyurethane foam, for excellent thermal efficiency without contributing to global warming, ozone depletion or smog production. With recently announced EPA SNAP regulations banning foams with HFCs, you can rest assured that A.J. doors comply with all current and upcoming EPA regulations.



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Building Ideas



Hardware

- 4½" x 4½" Standard or electric power transfer hinges
- Mortise locks, standard or electric
- Rim style exit hardware, standard or electric
- IC cylinders
- Door closers

Options

- Custom wet painted doors
- Field reglazeable door lites: tempered glass, wire glass, or rigid plastic in compliance with ANSI and U. S. Consumer Products safety glazing requirements door closers.

Hot Aisle & Cold Aisle Panels

Strong. A 24-gauge 1" thick panel unsupported across 48", reaches L/240 deflection at a pressure differential of 15" water gauge. For a 2" thick panel, L/240 occurs at 31" w.g.

Thermally efficient.

Injected closed cell polyurethane foam has an R-value of 6.5/inch, and panels can be built from 7/8" to 4" in thickness.

- No-Through-Metal panels are also available when maximum thermal efficiency is desired.

Design versatility.

- Sizes from 3.5" to 48" wide and 10" to 144" tall.
- Can be built with hinges and latches for use as access panels.
- Can be pre-hung in our frames, or designed to fit in yours.
- Can be designed with overlapping flanges for security, weather tightness, and simplicity of installation.
- Available in a variety of materials and gauges. Inner and outer panel skins can be dissimilar. Can be built with framed interior openings and field-reglazeable viewports.
- Available in custom colors.