

# INDUSTRIAL | COMMERCIAL

## FOUR-FOLD DOORS



Door Engineering F-Series Four-Fold Door Systems offer an unparalleled combination of long service life and low maintenance while providing high speed and high cycle operation. F-Series doors are ideal for Fire Stations, Police Stations, Detention Centers, Parking Facilities, Grain Elevators, Mass Transit Facilities and applications that require door systems designed to meet stringent operational requirements. F-Series doors are designed in standardized sizes and can also be customized for large openings and unique applications. The F-Series door panels fold completely clear of the opening and are visible by drivers during their entire operation, thereby eliminating costly damage to both the doors and vehicles.

### DURABILITY

- ◆ 14-gauge sheeting vertically formed around fully welded structural steel tube frames conceals welds, provides a clean finish and adds the strength to resist high wind-loads and forced entry.
- ◆ Heavy-duty dual shear hinges with fully concealed thrust bearings and non-removable pins are designed for strength and security.
- ◆ Full perimeter sealing keeps the weather out, extends product life, conserves energy and increases comfort.

### PERFORMANCE

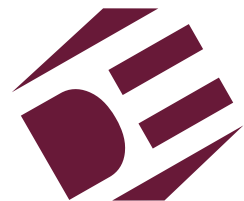
- ◆ Door panels are manufactured 2 inches thick minimum and can utilize a variety of materials for maximum insulation and environmental resistance.
- ◆ The self-diagnostic DE-LoC programmable controller accepts a wide variety of inputs including card readers, remote controls and presence detectors making it very versatile.
- ◆ Doors are designed to clear openings at 2 feet per second, minimizing downtime and saving energy.

### SAFETY & SECURITY

- ◆ A variety of standard and custom grills and louvers permit airflow and maintain security.
- ◆ Electric Safety Edges designed for multi-directional contact are effective during the full travel of the door providing safety for both vehicles and pedestrians.
- ◆ Electro-mechanical and Hydraulic operator options are all designed for high cycle, low maintenance operation and security.
- ◆ Sally-port/security F-Series doors include tamper-proof fasteners and heavy-duty operator enclosures for maximum protection.

### SELECTION

- ◆ Doors can be outfitted with an unlimited variety of vision lite sizes and glass types to complement your facility.
- ◆ Doors can be sheeted with stainless steel or armor plating and can be designed to receive wood or other paneling for custom requirements.



**Door Engineering  
and Manufacturing**

*“Securing the Future”*

FF100 SERIES | FF200 SERIES | FF300 SERIES | FF400 SERIES

FF500 SERIES | FF600 SERIES | FF1000 SERIES

# FOUR-FOLD DOORS



**FF100 SERIES** SOLID SHEETED



**FF200 SERIES** GRILL INSERTS



**FF300 SERIES** GLAZED



**FF400 SERIES** SECURITY, SALLYPORT SYSTEM, SOLID SHEETED



**FF500 SERIES** SECURITY, SALLYPORT SYSTEM, GRILL INSERTS



**FF600 SERIES** SECURITY, SALLYPORT SYSTEM, GLAZED

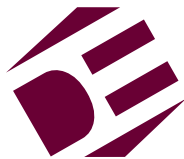


**FF1000 SERIES** CUSTOM FOUR-FOLD SYSTEMS

## DOOR ENGINEERING SOLUTIONS

Door Engineering and Manufacturing has been offering industrial, commercial, fire rated, aviation and specialty door solutions for over 40 years. Door Engineering's complete door systems can meet even the most challenging and unique requirements. From standardized systems to custom designs, let Door Engineering and Manufacturing put their years of door system experience to work for you on your next project.

*For product sheets, specifications, drawings and design assistance contact a Door Engineering technical product specialist today or visit Door Engineering on the Web at [www.doorengineering.com](http://www.doorengineering.com). With Door Engineering's years of experience, it's easy to find the door system solution that's right for you!*



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and Manufacturing

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