



2720 E. Avalon Ave.  
Muscle Shoals, AL 35661  
1-800-633-3120  
[www.aleco.com](http://www.aleco.com)

**SECTION 08 38 00**  
**DOUBLE ACTING IMPACT TRAFFIC DOOR**  
**[ImpacDor® FS-500]**

GENERAL NOTES TO SPECIFIER:

EDIT CAREFULLY TO SUIT PROJECT REQUIREMENTS. MODIFY AS NECESSARY AND DELETE ITEMS THAT ARE NOT APPLICABLE. VERIFY THAT REFERENCED SECTION NUMBERS AND TITLES ARE CORRECT.

**PART 1 GENERAL**

**1.1 SUMMARY**

- A. Section Includes: Double acting, self-closing, 3/4-inch thick solid wood core, impact traffic door.

INCLUDE APPROPRIATE SECTION(S) BELOW FOR OPENING FRAMING AND DOOR FRAMES. RECOMMENDED FRAME IS A 6 INCH STEEL CHANNEL WITH A 3/8-INCH WEB.

- B. Related Sections:

**1.2 SUBMITTALS**

- A. Reference Section 01 33 00 Submittal Procedures; submit the following items:
1. Product Data.
  2. Shop Drawings: Show fabrication details and anchorage. Include door elevations, head, jamb and meeting stile details.
  3. Samples: Full range of manufacturer's standard color selections for facing material.
  4. Quality Assurance/Control Submittals:
    - a. Manufacturer's Installation Instructions.
  5. Closeout Submittals:
    - a. Cleaning and Maintenance instructions.
    - b. Warranty

**1.3 QUALITY ASSURANCE**

- A. Qualifications:
1. Manufacturer Qualifications: Regular manufacturer of impact traffic doors for at least five years.

**1.4 DELIVERY STORAGE AND HANDLING**

- A. Reference Section 01 66 00 Product Storage and Handling Requirements.
- B. Verify doors were shipped in upright position.

1. Note specific doors shipped in other than upright position on bill of lading and contact manufacturer.

C. Store in upright position and follow manufacturer's instructions printed on carton.

## 1.5 PROJECT/SITE CONDITIONS

A. Existing Conditions: Frames installed under other sections shall be level and plumb.

## 1.6 WARRANTY

A. One year against defects in materials and workmanship.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

A. Manufacturer: Aleco, a Division E.S. Robbins Corp., 2720 E. Avalon Ave., Muscle Shoals, Alabama 35661, Telephone: (800) 663-3120, Fax: (800) 750-9616. Website: [www.aleco.com](http://www.aleco.com)

B. Model: ImpacDor<sup>®</sup> FS-500.

### 2.2 DOOR COMPONENTS

A. Panel:

1. Core: 1/2-inch plywood
2. Facing:
  - a. 1/8-inch ABS plastic facing bonded to core, color as specified by Architect.
  - b. 1/8-inch [Formica] [Wilsonart] [Nevamar] decorative, high pressure laminate, color as specified by Architect.
  - c. Stainless Steel
  - d. Anodized Aluminum

B. Perimeter Channel Cap: 1/8-inch thick satin anodized aluminum, secured to leading edge, jamb edge and door header with flush countersunk fasteners.

C. EZ-Hinge Offset Pivot Hardware:

1. Top Assembly:
  - a. 11 gauge [zinc plated] [stainless] steel enclosure with screw adjustable "V" plate bearing guide.
  - b. 11 gauge [zinc plated] [stainless] steel door mounting bracket with case hardened steel clevis pin and two 7/8-inch diameter steel bearings.
  - c. 11 gauge [zinc plated] [stainless] steel head/jamb mounting angle.
2. Bottom Assembly:
  - a. 11 gauge [zinc plated] [stainless] steel door mounting bracket with 3/4-inch diameter solid steel plug.
  - b. Floor/jamb mounted [zinc plated] [stainless] steel jamb guard with integral, low friction, igus bearing.

11-1/2 X 15-1/2 INCH VISION PANEL IS STANDARD; OPTIONS INCLUDE 7-1/2 X 10-1/2, 14 X 16 AND 16 X 18. SHOW PANEL SIZE AND LOCATION ON DRAWINGS.

- A. Vision Panel: [Dual Pane, 1/8-inch thick polycarbonate mechanically fastened.]  
[Recessed single pane, 1/4-inch thick polycarbonate in rubber gasket with radiused corners.]

FOLLOWING ACCESSORIES ARE OPTIONAL. SELECT AS DESIRED AND DELETE OTHERS.

## 2.3 ACCESSORIES

- A. Impact Wear Panels: [1/8-inch thick ABS, color as specified by Architect] [18 gauge stainless steel], height: [12 inch] [24 inch] [36 inch] [48 inch]

SHOW BUMPER SIZE AND LOCATION ON DRAWINGS.

- B. Spring Bumpers: 1/4 inch thick high-density polyethylene with a 4-inch projection from panel surface.
  - 1. Width: [12 inch] [42 inch]
  - 2. Height: [12 inch] [18 inch] [24 inch] [36 inch] [48 inch]

## 2.4 SOURCE QUALITY CONTROL

- A. Fabrication Tolerances: Width and height of each leaf: + 0, -1/8 inch.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Examine opening in which door will be installed.
- B. Coordinate with responsible entity to perform corrective work on unsatisfactory conditions.
- C. Commencement of work by installer is acceptance of opening conditions.

### 3.2 INSTALLATION

- A. Follow manufacturer's instructions.
- B. Install door with necessary anchors, hardware and accessories.

### 3.3 ADJUSTING

- A. Follow manufacturer's instructions as required to:
  - 1. Clean and lubricate operating parts.
  - 2. Adjust to open and close smoothly and freely without binding.
  - 3. Check seals for proper fit.

### 3.4 CLEANING

- A. Clean surfaces soiled by work as recommended by manufacturer.
- B. Remove surplus materials and debris from the site.

END OF SECTION