

SECTION 08 38 00
DOUBLE ACTING IMPACT TRAFFIC DOOR
[ImpacDor® XHD-175]



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.

2720 E. Avalon Ave.
Muscle Shoals, AL 35661
800.633.3120
aleco.com

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes: Double acting, self-closing, fully insulated, 1-3/4 inch thick, impact traffic door.

INCLUDE APPROPRIATE SECTION(S) BELOW FOR OPENING FRAMING AND DOOR FRAMES. RECOMMENDED FRAME IS A 6 INCH STEEL CHANNEL WITH 3/8 INCH WEB (MC6 X 18.0).

- B. Related Sections:

1.2 SUBMITTAL

- 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 including perimeter air seals.
 3. Samples: Full range of manufacturer's standard color selections for facing material.
 4. Quality Assurance/Control Submittal:
 - a. Manufacturer's Installation Instructions.
 5. Closeout Submittal:
 - 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 5 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. Standard one year limited warranty (from date of shipment) against defects in materials and workmanship and is limited to the replacement of any part or parts which prove to be defective.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturer: ALECO, A Division of ES ROBBINS; 2720 E. Avalon Ave.; Muscle Shoals, AL. Telephone: (800) 633-3120, (256) 248-2402. Fax: (800) 750-9616. Website: www.aleco.com
- B. Model: ImpacDor® XHD-175

2.2 DOOR COMPONENTS

- A. Internal Frame:
 - 1. Extruded 1-1/2 x 3 inch welded aluminum sub-frame, top and bottom 1-1/2 x 1-1/2 inch extruded aluminum tube.
 - 2. Stile: 3 x 1-1/2 inch extruded aluminum tube, full height of mount assembly.
- B. Core: 1-1/2 inch thick closed cell extruded polystyrene foam.
- C. Facings: 1/8 inch thick ABS plastic.
- D. Hardware:
 - 1. Cam: "V" cam design; [1-1/2 inch standard rise], cast metal.
 - a. Swing [90 x 90] [90 x 180] degree swing.
 - 2. Cam Follower: 1-1/8 inch diameter by 5/8 inch wide stud mounted needle bearing roller mounted to cast iron arm.
 - 3. Bottom Bearing: [Combination bottom bearing and 4 inch high x 3 inch deep jamb guard, cast metal.
 - 4. Hinge Shaft: 1-5/16 inch diameter full height steel tube.
- E. Safety Nosing: Full height, 40 oz. vinyl seal.
- F. Seals:
 - 1. Jamb and Header: Vinyl hollow-loop configuration. Jamb Seal: Factory installed; fixed.
 - 2. Sill: 40 oz. vinyl , factory installed; fixed.
- G. Bumpers: 42 inch high, 1/4 inch thick molded polyethylene.

24 INCH HIGH BY FULL WIDTH VISION PANEL IS STANDARD.

- H. Vision Panel: 1/8 inch thick polycarbonate, double glazed in aluminum subframe mechanically attached; panels flush with both door faces.
 - I. Cam Shields: ABS plastic/vinyl seal, field installed.
-

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

2.3 ACCESSORIES

- A. Pressure and Wind Load Accessories
 - 1. Compression Spring [4 inch heavy duty].
-

ADJUSTABLE SPRING COMPENSATOR REQUIRES A 11-1/8 INCH JAMB GUARD.

- 2. Adjustable Spring Compensator.

- B. Locking Device: Cane Bolt

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.

3.3 ADJUSTING

- A. Follow manufacturer's instructions as required to:
 - 1. Clean and lightly 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.