

### **1.1 RELATED DOCUMENTS**

- A. Drawing and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Door frames not included in this section, unless indicated otherwise.

### **1.2 SUMMARY**

- A. This section includes light to medium duty double acting traffic doors

### **1.3 SUBMITTALS**

- A. Product Data: For each type of door indicated, provide Manufacturer's data sheet, including:
  - 1. Opening preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
  - 4. Operation and maintenance data.
- B. Shop Drawings: Show installation details for assemblies provided, including door elevations, frame head and jamb details as applicable.

### **1.4 DELIVERY, HANDLING, STORAGE AND WARRANTY**

- A. Inspect product upon arrival to ensure undamaged, and complete.
- B. Store door and/or frame assemblies under cover, protected from elements elevated from floor in manufacturer's original packaging. Store product on side, upright or as indicated by directional arrows on packaging.
- C. Maintain environmental conditions (temperature, humidity, ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturers absolute limits.
- D. Manufacturer's standard two-year warrants that products are free of defects of material and workmanship. Parts proven defective are warranted for replacement (exclusive of freight and labor) within two years from date of shipment to purchaser.

## PART 2 – PRODUCTIONS:

### MEDIUM DUTY TRAFFIC DOORS

#### 2.1 ACCEPTABLE MANUFACTURERS/PRODUCTS

- A. Traffic Door Manufacturer: Subject to compliance with requirements, no substitutions.

Phoenix Door Systems  
7390 Union Centre Blvd  
West Chester, OH 45014  
888-263-4082

[sales@phoenixdoorsystems.com](mailto:sales@phoenixdoorsystems.com)  
[www.phoenixdoorsystems.com](http://www.phoenixdoorsystems.com)

- B. Model: Hawk Solid Core models (HPL; SS; AC)

#### 2.2 DOOR COMPONENTS

- A. Door panels shall be constructed using ¾" Birch 7-Layer plywood with specified skin options as noted below. The finished panel to have a Stainless-steel edge channel on all four edges. Nominal panel thickness: 1"
- a. Hawk-HPL: Face sheets to be Decorative High-Pressure Laminate
    - 1. Color as selected from manufacturer's standard selection. Custom options can be selected
  - b. Hawk-AC: Face sheets to be tempered Aluminum alloy with Anodized finish
  - c. Hawk-SS: Face sheets to be Stainless Steel
- B. Standard Hinge System consists of the following components:
- 1. Upper Hinge: Smooth Swing double acting hinge provided with bracket to attach to header and jamb
    - a. Degree of swing: 135 degrees in each direction
    - b. Finish: Zinc plated
    - c. Removeable Stainless Steel covers front and back of panel
  - 2. Lower Hinge: Standard bottom pivot pin with "L" bracket for installation to floor and jamb, Stainless Steel
    - a. Lower Hinge Option: 3" x 9" Stainless Steel Jamb Guard
  - 3. Window: Clear acrylic installed with self-locking black rubber molding
    - a. Standard size: 9" wide x 14" tall
    - b. Standard ADA size: 10" wide x 30" tall
    - c. Other standard or custom sizes available

7. Optional door protection available:
  - a. Impact plates: Thermoplastic or Stainless-Steel impact plates  
(height options: 12", 18", 24", 36", 42", 48")
  - b. Teardrop bumpers: Height options: 12", 18", 24", 36", 42"

## **2.3 FABRICATION**

- A. General: Provide traffic door assemblies manufactured as integral units ready for installation.
- B. Metal Surfaces: For metal surfaces exposed to view in the completed work, provide materials with smooth, flat surfaces without blemishes. Do not use materials with exposed pitting, seam marks, roller marks, rolled trade names or roughness.

## **PART 3 - EXECUTION**

- A. Install special doors complete with necessary hardware and accessories in accordance with final shop drawings, manufacturer's instructions and as specified herein.
- B. All assemblies must be installed plumb, level and properly aligned.
- C. Upon completion of installation, test and adjust doors to operate easily, free from warp, twist or distortion.
- D. Coordinate installation of bollards and/or wall stops with architectural drawings, if required.

END OF SECTION 083800