SECTION PART 1 – GENERAL

1.1 RELATED DOCUMENTS

A. The Drawings and general provisions of the Contract, including General Conditions, Supplementary Conditions, and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes traffic doors and door frames.

1.3 SUBMITTALS

A. **Product Data**: Submit product data for each specified type of door and frame. Include detailed information on materials, components, profiles, finishes, and fire ratings (if applicable).

B. **Shop Drawings**: Submit shop drawings showing fabrication and installation details for traffic doors and frames. Drawings shall include plans, elevations, sections, and details of attachment to adjacent construction.

SECTION PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS/PRODUCTS

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

TDK DOORS INC

604-243-1424

sales@tdkdoors.com

www.tdkdoors.com

B. Model: PL 24E

PL 24E-SS(22 ga stainless steel finish add on the panel change it into PL24E-SS)

2.2 TRAFFIC DOORS AND FRAMES

A. **Model PL 24E Honeycomb Core Traffic Doors and Frames**

1. Doors shall consist of a 3/4" thick honeycomb core with high-impact, abrasion-resistant ABS plastic laminate on both faces. Color to be selected by the Architect from the manufacturer’s standard color range: Forest Green, Jade, Cadet Blue, White, Metallic Gray, Cloud Gray, Chocolate Brown, Red,

Medium Brown, Royal Blue, Navy, Black, Beige, or Burgundy.

2. **Impact Protection Options** (select one):
    - Doors shall include 18-gauge, Type 304 stainless steel impact plates with a #4 finish. Plates to be [12", 18", 24", 30", 36", 42", 48"] high on both sides of the panel.
      OR
    - Doors shall include HDPE impact plates [12", 18", 24", 30", 36", 42", 48"] high on [one or both sides] of the panel. Color to be selected by the Architect from standard manufacturer offerings. **OR**
    - Polyethylene teardrop bumpers, 3" projection, [6", 12", 18", 24", 36", 42"] high. Color as selected by the Architect from manufacturer's standard range.
3. All door edges shall include a slotted profile to accept a replaceable T-gasket, providing a full seal at the jamb and floor.
4. **Hinge Options** (select one):
    - Doors shall be equipped with "E" Series adjustable gravity-closing hardware, featuring a panel mounted hinge body and powder-coated steel jamb mounting bracket. Removable covers allow for hinge adjustments during installation.
      OR
    - Doors shall be fitted with the TDK gravity self-closing V-cam upper hinge.
5. Bottom hinge assembly shall consist of a 1/2" diameter powder-coated steel pin and a panel-mounted saddle bracket, with hardware provided for both floor and jamb installation.
6. Windows shall be 1/8" thick polycarbonate set in a molded ABS frame, centered 60" above the finished floor. Sizes: 10" x 16" for panels up to 36" wide; 16" x 16" for panels 36" and wider.
7. Aluminum lower hinge guards shall be [6", 9", 12", 18"] high.

2.3 FABRICATION

A. **General**: Provide factory-assembled traffic door systems, ready for installation.

B. **Metal Surfaces**: Exposed metal surfaces must be smooth and free from blemishes, including pitting, seams, roller marks, trade names, or surface roughness.

2.4 WARRANTY

A. Warranty period shall be 730 days from the date of installation or 760 days from the date of shipment, whichever occurs first.

SECTION PART 3 – EXECUTION

A. Install traffic doors, complete with all required hardware and accessories, in strict accordance with final approved shop drawings and manufacturer’s installation instructions.

B. Ensure all assemblies are installed plumb, level, and properly aligned.

C. Upon completion of installation, lubricate, test, and adjust doors to ensure smooth, warp-free

operation. D. Coordinate the installation of bollards and/or wall stops with architectural drawings.