

PART 1 - General

Ref Master Format

1.1 SECTION INCLUDES:

- .01 Steel channel door frames and reinforcing steel. Section 05500.
- .02 Electrical power supply. Division 16, Electrical.

1.2 DESIGN CRITERIA

- .01 Concave mandoor and assembly, in the closed position, to withstand windloads of 20 in. w.g. (104 psf)
- .02 Door upper and lower plate construction 1/4" hot rolled steel
- .03 Upper and lower supports construction 5/16" mild steel plate with a 1" stress proof steel shaft and heavy duty self-aligning flange bearing
- .04 Closing assembly construction using a 2 5/8" I.D. x .235" x 6" oil tempered wire c/w aluminum ally spring fittings for spring adjustment to ensure proper door closure.

1.3 SAMPLES

- .01 Submit shop drawing in accordance with Section 01340 [Division 1 – General Requirements] - Shop Drawings, Product Data, Samples and Mock-Ups.

1.4 SHOP DRAWINGS

- .01 Submit shop drawing in accordance with Section 01340 [Division 1 - General Requirements] - Shop Drawings, Product Data, Samples and Mock-Ups.
- .02 Indicate assembly details and dimensions of fabrication, required clearances.

1.5 MAINTENANCE DATA

- .01 Provide operation and maintenance data for the Model "CCMD" door and hardware for incorporation into manual specified in Section 01730 [Division 1 - General Requirements] - Operation and Maintenance Manual.

.02 Maintenance data shall include:

- a complete description of operation
- a list of parts requiring replacement
- a parts list with illustrations and identifications
- identification numbers for each door

1.6 QUALITY ASSURANCE

.01 Manufactured using WCB certified welder/fitters

PART 2 - PRODUCTS

2.1 MATERIALS

- .01 The acceptable finishes for the concave mandoor is to be as per the Model "CCMD" Door System as manufactured by Precision Door Industries or approved equal. All approved equals must be submitted for approval ten (10) days prior to the closing date of this tender and must be approved in writing by addenda.
- .02 Door skin construction - 11 gauge, hot rolled steel.
- .03 Door frames available in 8" x 11.5#, 10" x 15.3# & 12" x 20.7# hot rolled channel 44W complete with 1" x 1" x 3/16" PRIME 44W welded to vertical channels to control maximum door travel and 6" x 3 1/2" x 3/8" mild steel door supports welded to the top and bottom to mount the door panel to the frame.
- .04 Finish for all metal parts shall be prime coated and factory finished in manufacturer's standard colour (Safety Red).

PART 3 - EXECUTION

3.1 INSTALLATION

- .01 Install doors in accordance with manufacturer's printed instructions.
- .02 Upon completion of the door installation, the door installer must make necessary adjustments to the door to ensure smooth operation.