



C-SERIES: CW200-400 SPECS
Craneway Door Systems

CONSULT MANUFACTURER FOR ADDITIONAL OPTIONS OR MODIFICATIONS

PART 1 – GENERAL

1.1 SCOPE OF WORK

- A. Provide a xx wide by xx high, electrically operated Craneway door.
- B. Includes the door section, hinges, weatherseals, lock arms, miscellaneous hardware, electric power operator, and electric controls. All steel is prime painted.
- C. Work by others includes preparation of the building to receive the craneway door, door header to support the door hinges, lock arm support, exterior and interior metal siding, insulation, power supply, field wiring, and finish paint.

1.2 DESIGN CRITERIA

- A. Doors shall be designed to withstand wind load of 25 pounds per square foot in the closed position.

1.3 SUBMITTALS

- A. Design and submittal drawings shall be approved by the architect prior hangar door fabrication.
- B. Operation and maintenance manual shall be furnished to the owner.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Store delivered materials and equipment in dry locations with adequate ventilation, free from dust and water, and so as to permit access for inspection and handling.
- B. Handle materials carefully to prevent damage.

1.5 WARRANTY

- A. The door manufacturer shall provide a written guarantee against all defects in material and workmanship for a period of three (3) years from the date of acceptance.
- B. (Option) A five (5) year warranty.

PART 2 - PRODUCTS

2.1 MANUFACTURER

Craneway door shall be as manufactured by Door Engineering and Manufacturing, 400 Cherry Street, Kasota, MN 56050. Telephone 800-959-1352 or 507-931-6910.

2.2 MATERIALS

A. All door section framing members, both vertical and horizontal, shall be hot rolled standard structural steel sections equal to or exceeding ASTM A-36 and comply with AISC specifications. Cold formed "C", "Z" shapes may be used for girts or bracing.

B. Door section construction. Door sections shall be fabricated in sizes convenient for shipping and shall be of bolted and/or welded construction. Framing members shall be true to dimension and square in all directions. Diagonal bracing shall be provided so that the completed door section assembly will be adequately braced to withstand operational loads.

C. Weatherseals on vertical edges, sill and head all attached at the factory. Vertical weatherseals are a bulb type sheet rubber EPDM (Ethylene, Propylene, Diene, Terpolymer) with a resilient urethane foam core. Head and sill weatherseals are flap and/or teardrop type sheet rubber EPDM (Ethylene, Propylene, Diene, Terpolymer).

2.3 OPERATING SYSTEM

A. The craneway door shall be operated by an electric motor drive system mounted on the interior face of the door framing.

2.4 ELECTRIC OPERATOR

A. The electric motor operator shall consist of a factory installed electric brake motor, gear reducer, and required sprockets, roller chains, and wire rope. Electric power shall be 208, 230 or 460 VAC, 60 Hz, three phase.

2.5 ELECTRIC CONTROLS

A. Electrical controls shall include a factory wired enclosure with disconnect switch, reversing across-the-line magnetic starters, thermal overload protection, control circuit transformer and NEMA 4 enclosure. Control circuits shall not exceed a nominal 110 volts.

B. A control station with "OPEN", "CLOSE", and "STOP" pushbuttons.

C. Rotary limit switch shall be provided to stop the travel of the door in the fully open or fully closed positions. Limit switches shall be factory mounted.

PART 3 – EXECUTION

3.1 PAINTING

A. Clean all steel surfaces after fabrication. Steel surfaces painted with manufacturer's standard structural primer.

3.2 INSTALLATION

A. Assemble and install door section(s) in accordance with approved drawings and installation instructions by skilled and competent mechanics. All door openings, roof and floor shall be completely installed prior to the installation of the door. Permanent or temporary electric installation is started.

B. Doors shall be set plumb, level and square, and with all parts properly fastened, mounted, etc. All moving parts shall be tested, adjusted and left in good operating condition.

3.3 ADJUSTING AND CLEANING

A. Inspection of the doors and complete operating test will be made by the installer in the presence of the general contractor or architect as soon as the erection is complete. Any defects noted shall be corrected. After door approval in the above test, the general contractor must assume the responsibility for any damage or rough handling of the doors during construction until the building is turned over to the owner and final inspection is made.

B. Clean surfaces and repaint abraded or damaged primed surfaces to match factory-applied finish.

END OF SECTION