

A RECOMMENDED SPECIFICATION

Section 08510 – Premier Series Steel Doors

PART 1 – GENERAL

1.01 DESCRIPTION

- A. The work under this section shall consist of furnishing all labor and materials for the fabrication of the Premier Series Steel Doors as shown in the contract drawings and as specified hereinafter, including all mullions, door related material, factory applied finish and the installation of the doors.

- B. RELATED WORK SPECIFIED ELSEWHERE
 - 1. Door Hardware – Section 08700
 - 2. Glass & Glazing – Section 08800
 - 3. Perimeter Caulking – Section 07920
 - 4. Embedded Items – Section (enter)
 - 5. Final Cleaning – Section (enter)

1.02 QUALITY ASSURANCE

- A. Doors shall be a product of a recognized manufacturer of steel doors with not less than 5 years experience in the fabrication of steel doors.

- B. Standard manufacturing tolerance shall be $\pm 1/16"$.

1.03 SUBMITTALS

SHOP DRAWINGS: Submit shop drawings with elevations of all doors, dimensions, construction information, installation and anchorage details, hardware and all other pertinent information required for a complete installation.

1.04 PRODUCT DELIVERY, STORAGE & HANDLING

- A. All material shall be unloaded and stored off the ground in a protected area designated by the General Contractor, which is secure and convenient to the area of installation.

1.05 WARRANTY

- A. Warranty for a period of 1 year from date of final acceptance or substantial completion, whichever may be earlier, all doors and related materials furnished to be free from defects in material and workmanship. Under this Warranty, upon receipt of written request, promptly repair or replace at manufacturer's option, any of the materials found to be defective under conditions of normal use during this period, with the explicit understanding and express agreement that this Warranty shall not form the subject of a claim for labor or other expenditures incurred by the Purchaser in consequence of defect.

PART 2 – PRODUCT

2.01 STEEL DOORS

- A. The details used in the drawings and specified herein are the products of Coast To Coast Manufacturing, and have been used to establish construction details and a standard of quality. Manufacturers of products believed to be equal in construction and design who desire to bid shall submit full size samples, catalogs and drawings including details of construction to the Architect at least ten days prior to bid date. Approval will be by addendum ONLY.

2.02 MATERIALS AND FABRICATION

- A. Frame members shall be manufactured from 12 gauge galvanized sheet steel. Door leaves (1 ¾" thick) shall be manufactured from 10 and 12 gauge galvanized sheet steel.
- B. FABRICATION: Corners of frames shall be notched and fully backwelded the depth of the frame. Interior and exterior faces of Door Leaves shall be made of single sheets of galvanized steel. Muntin bars shall be coped and welded to the door leaf members, with the intersections of muntins interlocked and welded. All face surfaces to be ground smooth and flush.
- C. HARDWARE: Exposed operating hardware shall be solid bronze in a US25D (White Bronze) finish. (For other available finishes, please consult the factory.)
1. Three 4 ½" x 4 ½" steel ball bearing butt hinges per door leaf.
 2. Four (or more) butt hinges for door leaves over 7'-0" height.
 3. Schlage L Series Heavy Duty Mortise Lockset and trim.
(Advise function and trim requirements)

NOTE: Doors may be fabricated to accommodate a wide range of hardware.
Consult the factory before specifying hardware not listed above.

NOTE: The prime contractor shall furnish the Key Cylinders.

- D. PLATES, MULLIONS AND IMPOSTS: Fabricate to the dimensions, profiles and material thickness indicated on the drawings.
- E. GLAZING: Doors shall be designed for glazing from the inside or outside (select one) with either glazing compound or bead glazing as follows:
1. With continuous aluminum snap on glazing beads.
 2. With continuous aluminum screw on glazing beads.
 3. With continuous steel screw on glazing beads.
 4. With spring wire glazing clips and glazing compound. (Clips and glazing compound by others.)

NOTE: Glass, panels and glazing material by others.

- F. FACTORY FINISHING:
1. After fabrication, all doors, mullions and related items shall be phosphate treated in a multiple stage process, as a preparation for receiving paint.
 2. Following pretreatment, all doors, etc. shall be prime painted.
 3. If specified, all doors, etc. shall then be given a standard color coat of acrylic polyurethane paint. (Please furnish color selection)
(Other finishes and non-standard colors are available – please call)

- G. SEALANTS: All exterior metal to metal contacts and/or joints between members of doors, frames, mullions and trim shall be set in a mastic sealant of the type recommended by the door manufacturer.

PART 3 – EXECUTION

3.01 ERECTION

- A. All doors shall be installed into openings prepared by others in accordance with the final approved shop drawings. Prior to installation, all openings shall be inspected by the Erector to verify that openings are square and have been prepared to sizes and details in the approved drawings. Doors shall not be installed into any opening until the conditions are correct.
- B. Set all doors plumb, level, true and properly braced to prevent distortion and/or misalignment. Doors not properly set shall be removed and reinstalled correctly by the Erector.
- C. Attach all related material. Remove all excess sealants.
- D. After installation and prior to glazing, the Erector shall adjust all door leaves to ensure proper weathering and check all operating hardware to ensure proper operation.
- E. Following erection of the doors and related material, the Erector shall clean all abraded areas or damaged surfaces and apply air dry touch-up supplied by the door manufacturer for field application.

3.02 PROTECTION AND FINAL CLEANING

- A. The General Contractor shall be responsible for protecting the doors and related material during storage on the job and during and after installation.
- B. The General Contractor shall be responsible for the final cleaning of the doors and related material.