

Doors and Frames Specifications

Steel doors and frames shall comply with the requirements of ANSI/SDI A250.8.

Exterior Doors shall be Level 3 Extra Heavy-duty, Model 1 full flush

Steel frames shall be manufactured with 0.053 inch thick steel (minimum) continuously welded

Minimum hardware reinforcing thickness on door and frame shall be 0.123 inch

Hinges shall be three-knuckle type as manufactured by Hager Companies, McKinney Manufacturing or Stanley Works

Verify openings by field measurement before fabrication and indicate measurements on Shop Drawings.

Final Adjustments: Check and readjust operating hardware items immediately before final inspection. Leave work in complete and proper operating condition. Remove and replace defective work, including standard steel doors or frames that are warped, bowed, or otherwise unacceptable.

Clean grout and other bonding material off standard steel doors and frames immediately after installation.

Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying primer.

Clean abraded areas and repair with galvanizing repair paint according to manufacturer's written instructions.

Shop Drawings shall be submitted for Approval.

Hardware Specifications

Locks and Latch acceptable manufacturers include Best, Corbin Russwin, Sargent equal to Schlage ND50PD-RHO Rhodes Entrance/office door lever set with satin nickel finish.

Submit hardware schedule in manner indicated below. Coordinate hardware with doors, frames, and related work to ensure proper size, thickness, hand, function and finish of hardware.

Final hardware schedule: Based on finish hardware, organize a schedule into "hardware sets" containing all items required for each door opening. Include the following information:

Type, style, function, size, finish and manufacturer of each hardware item.

Explanation of abbreviations, symbols, codes, etc. contained in schedule.

Fastening and other pertinent information.

Location of hardware set cross-reference to drawings.

Mounting locations for hardware.

Door frame size and material.

Keying information.

Submit schedule at earliest possible date since acceptance of hardware schedule must precede fabrication of other work (i.e., hollow metal frames) critical to construction schedule. Include with schedule the product data, samples, shop drawings of other work affected by finish hardware, and other information essential to a coordinated review of hardware schedule.

Submit separate keying schedule indicating implementation of the Owner's final keying instructions.

Furnish templates to fabricators of doors, frames, and other work to be factory prepared for the installation of hardware. Upon request, check shop drawings of each other's work, to confirm that adequate provisions are made for proper location and installation of hardware.

No hardware shall be ordered until hardware schedule has been approved by the Architect.

Obtain each type of Hardware (i.e., locks) from a single manufacturer.

Pre-installation conference is required, prior to commencing work of this Section, to determine Owner requirements for keying.

Package hardware items individually. Label and identify package with door opening code to match schedule.

Deliver keys to Owner by security shipment direct from hardware supplier. Label and package keys individually for each door opening and provide in key cabinet.

Provide manufacturer's maintenance services on door closers for one year from Date of Substantial Completion.

Provide special wrenches and tools applicable to each different or special hardware component.

Furnish 10 key blanks.

Furnish a complete set of specialized tools as needed for Owner's continued adjustment, maintenance, and removal and replacement of builder's hardware.

Install hardware in accordance with manufacturer's instructions.

Use templates provided by hardware item manufacturer.

Drill and countersink fasteners for units that are not factory-prepared for anchorage fasteners.

Shop Drawings shall be submitted for Approval.