

PART I – GENERAL**WORK SPECIFIED HEREIN**

- All labor, materials, equipment, services and transportation required to furnish hardware as indicated or specified, and in compliance with Barrier Free Accessibility Guidelines. **This is a Required Account.**

SUBMITTALS

- Unless otherwise noted, the contractor shall prepare all shop drawings, product literature, etc. only as required to properly coordinate and construct the project.
- Review of submittals by the Professional of Record is limited to specific shop drawings as called for in the Project Manual.

GENERAL REQUIREMENTS

- The Contractors shall be responsible for arranging his work and issuing his purchase order to facilitate securing delivery of all hardware, etc., so all work shall progress without delay or interruption.
- Upon delivery of the finish hardware to the job site, check in and sign for all material delivered and thereafter be responsible for same.
- Provide a room with sufficient space and shelving in which to lock and arrange the finish hardware. This room shall be locked with a lock furnished for this project. Protect hardware from damage at all times, both prior to and after installation.
- Tab and turn all keys over to the Owner upon completion of the work.

SPECIFIC REQUIREMENTS

- While the following hardware schedule (list) is intended to cover all doors and establish a type and standard of quality, where the size and shape of members to be equipped with hardware prevents or makes unsuitable the use of exact types specified, furnish suitable types having as nearly as practicable the same operation, function, style, and quality as that specified. Sizes shall in all instances be adequate for the service to which the individual items of hardware will be subjected in the course of normal usage. It shall be the specific duty and responsibility of the finish hardware supplier to examine the Specifications, Drawings, and details, and furnish the proper hardware for all openings, whether listed or not. **If there are any omissions in the hardware groups in regard to regular doors, they shall be called to the attention of the Professional of Record for instructions, prior to bid opening; otherwise, the list will be considered complete. No extras will be allowed.**

WORK SPECIFIED ELSEWHERE

- *Installation of Hardware.*
- *Hardware for the following items will be furnished under other Sections of these Specifications.*
- *Casework.*

- *Thresholds not listed in the hardware list.*
- *Hardware for aluminum doors, except as listed in the hardware list.*
- *Toilet compartments.*

SUPPLIER

- Per a National Account Agreement, all material in this section shall be purchased by the General Contractor from National Vendor, see drawing A0.1.

DELIVERY

- Package each item of hardware in original and individual containers, complete with all necessary fastenings, keys, instructions, and templates for spotting mortising tools. Mark each container with its item number corresponding to the item number on the finish hardware schedule. **Containers holding keyed locks and cylinders shall show the following: heading number, door number, hand of door (when required) and keying symbol; all corresponding to that shown on the finish hardware schedule.**

TEMPLATES

- The finish hardware supplier, upon receipt of reviewed finish hardware schedule, shall send an approved schedule along with a complete template list for all items requiring template information to the hollow metal manufacturer, aluminum door and frame supplier, or any other supplier requiring this information.
- When hardware must be installed at the factory, the hardware supplier shall send all such needed items to the respective supplier for their use in installation. The cost of this shipping requirement shall be borne by the hardware supplier.

TEMPLATE HARDWARE

- All hardware supplied to metal doors or jambs shall be made to template and secured by machine screws. Where cylindrical locks are used in hollow metal doors, the door manufacturer shall furnish lock reinforcing in the door at the time of manufacture.

FASTENINGS

- Furnish finish hardware with all necessary screws, bolts, or other fastenings of suitable size and type to anchor the hardware in position for heavy use and long life, and to harmonize with the hardware as to material and finish. Furnish fastenings where necessary with expansion shields, sex bolts, toggle bolts, and other approved anchors according to the material to which it is applied, and as recommended by the manufacturer. Furnish hardware fastened to concrete with machine screws and tap-ins. Fasteners for closers on wood or mineral core doors shall be sex bolts.

PART II – PRODUCTS**BUTTS**

All exterior out-swinging doors shall have butts with non-removable pin when the door is closed. Doors with closers shall have ball bearing butts.

- Doors 45 mm (1-3/4") thick and up to 1016 mm (40") wide to have 114 mm (4-1/2") butts.
- Doors 45 mm (1-3/4") thick; 1041 to 1220 mm (41" to 48") wide to have 125 mm (5") butts.
- All butts shall be sized in width to clear all trim.
- Manufacturer: All butts shall be type, size and manufacturer as listed on drawings.

LOCKS AND LATCHES

- Manufacturer: All locks shall be type and function as listed on drawings.
- All locks shall have 7-pin removable core cylinders. All lock and latchsets to have 70 mm (2-3/4") backset unless otherwise noted.
- Strikes shall be extended lips where required to protect trim from being marred by latch bolt. Wrought boxes shall be furnished with all strikes.

KEYS AND KEYING CORES

- All cylinders for this project to set to a new master key system.
- All cylinders to be constructed master keyed with **GREEN** temporary construction cores prior to delivery to job site; any others will be removed and replaced immediately.
- Master key sets and individual keying of locks will be determined by PETSMART.
- Furnish: 4 each construction master keys to be delivered with locksets to contractor.
- All grand master, master and change keys shall be properly tagged for easy identification and delivered to an authorized recipient as directed by PETSMART.

PUSH PLATES, PULL PLATES, KICK PLATES, CLOSERS, STOPS, THRESHOLDS, SWEEPS, WEATHERSTRIPPING, FLUSH BOLTS, ASTRAGALS AND DOOR VIEWERS

All shall be type, size and manufacturer as listed on drawings.

SIGNS

- All signs shall conform to Federal ADA Requirements. Mount all signs per ADA Requirements on wall adjacent to door servicing room. Base manufacturer: Hager (HA). No metal - plastic only. ("Employees Only" and "Emergency Exit Only" signs shall be mounted on doors at 1524 mm (60") A.F.F. centerline.) Characters

and symbols shall contrast with their background, white characters on a black background.

EXIT DEVICES

- All exit devices shall be type, size and manufacturer as listed on drawings.

INSPECTION

- The General Contractor shall visually inspect the installation of all hardware at completion of all such installations. He shall note all discrepancies or errors in installation and operation to the Professional of Record. Upon completion and before final inspection, the General Contractor shall certify to the Professional of Record that all hardware is properly installed according to the manufacturer's printed instructions, and is working properly. Forward letter of certification in duplicate to the Professional of Record as soon as possible after installation of all hardware.

WARRANTY

- Materials are to have a two (2) year manufacturer's warranty.
- Installation contractor shall not do anything to void the manufacturer's warranty.
- The installation contractor shall warranty the installation of finish hardware to be properly operational for a period of two (2) years.

END OF SECTION