

**SECTION 08710 - DOOR HARDWARE**

- A. This Section includes the following:
  - 1. Commercial door hardware.
  - 2. Cylinders for doors specified in other Sections.
- B. Submit product data for each type of product indicated.
- C. Samples: For each exposed finish.
- D. Door Hardware Sets: Prepared by or under the supervision of Architectural Hardware Consultant, detailing fabrication and assembly of door hardware, as well as procedures and diagrams.
  - a. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.
  - b. Content: Include the following information:
    - 1. Type, style, function, size, quantity, and finish of each door hardware item. Include description and function of each lockset and exit device.
    - 2. Keying Schedule: Coordinate with Owner.
- E. Installer Qualifications: An employer of workers trained and approved by lock manufacturer.
  - 1. Installer's responsibilities include supplying and installing door hardware and providing a qualified Architectural Hardware Consultant available during the course of the Work to consult with Contractor, Architect, and Owner about door hardware and keying.
- F. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252 UBC Standard 7-2.
- G. Deliver keys and permanent cores to Owner by registered mail or overnight package service.
- H. Templates: Distribute door hardware templates for doors, frames, and other work specified to be factory prepared for installing door hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- I. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
  - 1. Warranty Period: Three years from date of Substantial Completion, except as follows:
    - a. Exit Devices: Two years from date of Substantial Completion.
    - b. Manual Closers: Ten years from date of Substantial Completion.
- J. Scheduled door hardware as noted on drawings.
- K. Provide door hardware for each door to comply with requirements in this Section and door hardware sets indicated in door and frame schedule.
  - 1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and named manufacturers' products.
- L. Cylinders: Manufacturer's standard tumbler type, constructed from brass or bronze, stainless steel, or nickel silver, and complying with the following:
  - 1. Number of Pins: Seven.
  - 2. High-Security Grade: BHMA A156.5, Grade 1A, listed and labeled as complying with pick- and drill-resistant testing requirements in UL 437 (Suffix A).
- M. Keys: Nickel silver; permanently inscribed with a visual key control number and including the notation "DO NOT DUPLICATE."
- N. Thresholds: Standard: BHMA A156.21.
- O. Accessibility Requirements: Comply with Florida Building Code 2004.
- P. Installation of Doors and Frames: Comply with DHI A115 Series. Drill and tap doors and frames for surface-applied door hardware according to ANSI A250.6.
- Q. Installation of Wood Doors: Comply with DHI A115-W Series.
- R. Mounting Heights: Mount door hardware units at heights indicated on Drawings unless otherwise indicated or required to comply with governing regulations.
  - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
- S. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- T. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
- U. Thresholds: Set thresholds in full bed of sealant.
- V. Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.
  - 1. Door Closers: Unless otherwise required by authorities having jurisdiction, adjust sweep period so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches (75 mm) from the latch, measured to the leading edge of the door

END OF SECTION 08710



711 N. FIELDER RD.  
ARLINGTON, TX 76012  
PH: (817) 635-5696  
FAX: (817) 635-5699

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**CNBC NEWS**  
Portland International Jetport  
1001 Westbrook Street  
Portland, Maine



THE PARADISE SHOPS

SEAL:

REVIEWED & APPROVED BY: \_\_\_\_\_  
PROJECT MANAGER INITIALS: T.L.  
DATE: \_\_\_\_\_

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