This master should be used by designers working on Port of Portland construction projects and by designers working for PDX tenants (“Tenants”). Usage notes highlight a few specific editing choices, however the entire section should be evaluated and edited to fit specific project needs.

SECTION 083100 – ACCESS DOORS AND PANELS

1. GENERAL
   * + 1. DESCRIPTION
          1. This section describes general requirements for access doors.
          2. Provide doors where required for access to work of other divisions and other locations required. Provide fire-rated door assemblies in fire-rated wall assemblies.
       2. REFERENCES
          1. NFPA : National Fire Protection Association

NFPA 80: Standard for Fire Doors and Other Opening Protectives

* + - 1. SUBMITTALS
         1. Submit product data. Include manufacturer’s specifications and installation instructions.
      2. QUALITY ASSURANCE
         1. Fire-Rated Door Assemblies: Units that comply with NFPA 80 and are labeled and listed by UL, Warnock Hersey, or other testing and inspecting organization acceptable to authorities having jurisdiction.
         2. Provide label from acceptable testing and inspecting organization on each fire-rated access door assembly.

1. PRODUCTS
   * + 1. MATERIALS AND FABRICATION
          1. Acceptable Manufacturers and Products: As listed below.
          2. General: Provide access doors manufactured as an integral unit, complete with all parts and ready for installation.

Choose one of the following paragraphs. The first is for Port work, the second is for Tenant work.

* + - * 1. Size: Access panels shall be 24 inches by 24 inches, unless indicated otherwise on the drawings.
        2. Size: Coordinate with the Port.

Specify stainless steel access doors and frames in areas of high abuse or where appropriate for aesthetics.

* + - * 1. Steel and Stainless Steel Access Doors and Frames:

Steel Fire-Rated Units: Fabricate in a manner similar to steel access doors and frames, except provide manufacturer’s standard insulated flush panel doors with self-closing mechanism.

Masonry and Concrete Walls: Exposed flange not over 1-inch wide will be allowed.

Veneer Plaster (and Gypsum Wallboard) Walls: Nystrom “APFR-WP” or equal with recessed “Drywall” beads, UL and WH listed. Exposed flanges will not be allowed.

Stainless Steel Fire-Rated Units: Fabricate in a manner similar to stainless steel access doors and frames, except provide manufacturer’s standard insulated flush panel doors with self-closing mechanism.

Masonry and Concrete Walls: Exposed flange not over 1-inch wide will be allowed.

Veneer Plaster (and Gypsum Wallboard) Walls: Nystrom “APFR-WP” or equal with recessed “Drywall” beads, UL and WH listed. Exposed flange will not be allowed.

Fabricate units of continuous welded steel construction, unless otherwise shown on the drawings. Grind welds smooth and flush with adjacent surfaces.

Provide attachment devices and fasteners of the type required to secure access doors to the types of supports encountered.

Non-Rated Frames: Fabricate from 16-gage steel (stainless steel at stainless steel door).

Where installed in masonry or concrete, provide frame with exposed flange not less than 1 inch wide around perimeter of frame, Milcor Style M, Nystrom TM, or equal; except where fire rated type is required.

Where installed in gypsum wallboard surfaces, provide drywall trim, similar to Milcor Style DW, Nystrom Style WB, or equal.

Steel Non-Rated Flush Doors: Fabricate from 14-gage steel with concealed spring hinges or concealed continuous hinge, set to open to 175 degrees.

Stainless Steel Non-Rated Flush Doors: Fabricate from 16-gage stainless steel with concealed spring hinges or concealed continuous hinge, set to open to 175 degrees.

Finish steel with manufacturer’s factory-applied baked enamel prime coat applied over phosphate protective coating on steel. Finish stainless steel with a #4 finish.

At PDX, all access hatches (excluding ceiling hatches) located within public spaces shall have keyed locks. This applies to both pre-and post-security spaces. Access hatches in non-public areas are not required to have keyed locks unless the owner of the items behind the hatch wants it locked. Clearly show on the drawings or describe in the specification which access doors require keyed locks and which ones are cam or knurled-knob locked.

Tenants: Delete this paragraph entirely.

Locking Devices:

Public Areas: Provide one 1.125-inch mortise cylinder keyed lock per access door, Schlage FSIC Mortise Cylinder Housing 30-032 with Schlage 20-030-ICX Construction Core, or pre-bid approved equal. Provide two keys per lock and key locks alike.

Non-Public Areas:

Rated Doors: Provide knurled-knob locks of the number required to hold door in flush, smooth plane when closed.

Non-Rated Doors: Provide flush, screwdriver-operated cam locks of the number required to hold door in flush, smooth plane when closed.

1. EXECUTION
   * + 1. INSTALLATION
          1. Comply with manufacturer’s instructions for installation. Coordinate installation with work of other trades.
          2. Set frames accurately in position and securely attach to supports with face panels plumb in relation to adjacent finish surfaces; and horizontal surfaces level.
       2. ADJUST AND CLEAN
          1. Adjust hardware and panels after installation for proper operation.

END OF SECTION 083100