DIVISION 8
DOORS AND WINDOWS

08200 DOORS

Part 1 – General

1.1 WORK

A. Provide replacement doors, complete with hardware as indicated on the Scope and as specified herein.
B. When work involves removal or disturbance of painted or otherwise coated surfaces work shall comply with Section 01810 Lead Dust Hazards.
C. Replacement doors shall be sized to fit existing openings.
D. Door types shall be as listed in the Scope as specified herein.
E. Provide and install all door hardware necessary for a completely operational door, as indicated on the Scope, and as specified herein. See Section 08710 Hardware for further details.

1.2 QUALITY STANDARDS

A. Provide experienced, well trained workers competent to complete the work as specified.
B. Provide a certified lead abatement supervisor and certified lead abatement workers to perform door demolition and removal, including clean-up and debris removal per Section 01810 Lead Dust Hazards.
C. Unless approved by the Inspector, provide all related products and accessories from one manufacturer.
D. Comply with standards of the Architectural Woodwork Institute for grades specified.

Architectural Woodwork Institute
www.awinet.org/Publications
AWI Quality Standards Illustrated, 8th Edition

1.3 SUBMITTALS

A. Provide manufacturer’s data required to prove compliance with these specifications.
   • Do not start work until Owner has approved and signed the Owner’s Selection Sheet (Appendix A).
   • Do not start work until Owner has approved color/finish selections in writing (Appendix A).
   • Provide a copy of the Owner’s written color/finish selections to Agency.
   • Submit manufacturer’s installation instructions and warranty.

1.4 MATERIALS HANDLING

A. Provide all materials required to complete the work.
   • Deliver and transport materials to avoid damage to the product or to any other work.
   • Return any products or materials delivered in a damaged or unsatisfactory condition.
   • Materials and products delivered will be certified by the manufacturer to be as specified.
B. Delivery:
   • Packaging must be sealed with clear manufacturer and identification markings.
   • Lift and carry doors when moving them, do not drag into position.
C. Storage:
   • Store consistently vertical or flat.
   • Supported off floor with 2x boards spaced at 12” centers.
   • Protected from weather or moisture.
   • Protected from construction damage.
   • Protected from occupant traffic.

PART 2 – MATERIALS AND PRODUCTS

2.1 08200 WOOD DOORS

A. Provide wood or metal doors as per the Scope.
   • Solid or hollow-core as indicated in the Scope.
• UL label is required on fire rated doors.
• Pre-hung door assemblies, wood or metal, as per the Scope.

B. Provide doors that are straight, free of defects and blemishes, and that have:
• Smooth edges
• Clean joints
• Consistent, blemish free finishes
• Correct finish material thickness

C. Verify that factory preparation and pre-fitting follow required hardware templates:
• Cuts
• Drilling
• Routing
• Accessories
• Hollow-core doors must have core construction as required to receive finish hardware.

D. Provide door glazing with:
• Stops as required.
• Labeled safety glass.

E. Provide fire rated doors that comply with all building code and fire code requirements.
• Openings/glass are as required.
• Hinges are as required.
• Undercut does not exceed the allowable code maximum.
• Correct identification labels and/or certification.
• Correct factory-supplied hardware.
• Automatic closure hardware.

F. Door finish shall be in accordance with the Scope, Section 09900 Painting and as specified herein.
• Color as selected by Owner.

PART 3 – INSTALLATION

3.1 PRECONSTRUCTION AND PREPARATION

A. Examine and verify that job conditions are satisfactory for speedy and acceptable work.
B. Do not allow door swings to conflict with:
• Electrical switches or outlets.
• Wall guards or rails.
C. Removal of existing door:
• Prior to removal, containment measures shall be in place as described in Section 01810 Lead Dust Hazards.
• All debris created shall be properly disposed of by the Contractor in accordance with Section 01810 Lead Dust Hazards.
• Contractor shall take all necessary precautions to minimize damage to surrounding surfaces during removal.
• The Contractor at the Contractor’s expense shall repair any surfaces damaged during removal.
• The Contractor shall make any necessary repairs to the rough door opening including replacing defective framing members, leveling or squaring, installing insulation, or installing blocking and shims.

3.2 INSTALLATION

A. Mount frames and doors plumb, straight, and securely braced.
B. Mounting tolerances:
• Bottom clearance ½” maximum.
• Top clearance, 1/8” maximum.
• Lock and hinge edge, bevel at 1/8” in 2” maximum.
C. Installing doors:
• Schedule exterior door installation when weather conditions are dry and temperatures are moderate. Exterior doors not separated by a closeable entry hall door or enter directly into the habitable space shall not be replaced on a day when temperatures are below 32°.
• Schedule door installations to avoid construction damage.
• Hang doors – straight, plumb, smooth in opening, smooth and secure in closing.
• Install fiberglass insulation in openings and cavities around exterior door frame.
• Install all necessary door jambs, stops, casings or other trim material as necessary for a finished installation.
• Apply high quality sealant under door threshold prior to installing pre-hung exterior door.
• Provide clearances below doors as necessary to allow for: thresholds, weatherstripping, gasketing, carpet, and other types of flooring.
• Install fastenings and hardware as per manufacturer’s instructions and in accordance with the Scope and Section 08710 Hardware.

D. Cutting and sealing doors:
  • Do not cut fire-rated doors so as to negate fire rating.
  • Seal or reseal doors whenever they are cut.
  • Seal doors at tops and bottoms after installation.
  • Apply first coats of paint or sealer to both sides of doors during the same painting operation.
  • Seal, stain, or paint exterior doors per Scope, Section 09900 Painting, and as specified herein.
  • Exterior doors shall be treated/sealed before or immediately after installation.

3.3 INSPECTION, REPAIR, AND TOUCH-UP

A. After installation, inspect all doors and frames to find and repair damaged surfaces.
  • Repair or replace any damaged materials as directed by Inspector.
  • Repair or replace any other materials damaged during installation.
  • Make undetectable repairs before applying final finish.
  • Repair or replace any related damaged or non-complying materials.
  • Repair or replace doors that do not operate freely and smoothly.
  • Contractor shall replace any doors that Contractor installed as part of the Scope which are not in compliance with these specifications.
  • Any costs for replacing doors for non-compliance will be paid by the Contractor.

B. Final door mounts:
  • Square
  • Smooth operating.
  • Plumb when doors are closed, partially open, and fully open.
  • After installation clean doors thoroughly per Section 01810 Lead Dust Hazards.

END OF SECTION – 08200 DOORS