

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 1/2" 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