

SECTION 08210

FLUSH WOOD DOORS

1 PART 1 GENERAL

1.1 DESCRIPTION

- A. Work included: Provide flush wood doors, complete in place with finish hardware installed, where shown on the Drawings, as specified herein, and as needed for a complete and proper installation.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and Sections in Division 1 of these Specifications.
 - 2. Section 08100: Metal Frames
 - 3. Section 08710: Finish Hardware
 - 4. Section 08800: Glazing
 - 5. Section 09900: Painting

1.2 QUALITY ASSURANCE

- A. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
- B. In addition to complying with pertinent codes and regulations of governmental agencies having jurisdiction, comply with:
 - 1. "Architectural Woodwork Quality Standards" of the Architectural Woodwork Institute, for the grade or grades specified.
 - 2. NFPA #80 for rated doors/assemblies.

1.3 SUBMITTALS

- A. Comply with pertinent provisions of Section 01340.
- B. Product data: Within 20 calendar days after the Contractor has received the Owner's notice to Proceed, submit:
 - 1. Materials list of items proposed to be provided under this Section;

2. Manufacturer's specifications and other data needed to prove compliance with the specified requirements;
3. Submit shop drawings in accordance with the provisions of Section 01340.

1.4 PRODUCT HANDLING

- A. Comply with pertinent provision of Section 01640.
- B. Delivery:
 1. Deliver doors to site after plaster and cement are dry, and after the building has reached average prevailing humidity of its locality.
 2. Deliver prefinished doors in manufacturer's original containers, clearly marked with manufacturer's name, brand name, size, thickness, and identifying symbol on the covering.
 3. Seal all four edges of unfinished doors when delivered to the job site.
- C. Storage:
 1. Stack flat on 2" x 4" lumber, laid 12" from ends and across center.
 2. Under bottom door and over top of stack, provide plywood or corrugated cardboard to protect door surfaces.
 3. Store doors in area where there will be no great variation, in heat, dryness, and humidity.
- D. Do not drag doors across one another; lift doors and carry them into position.

2 PART 2 PRODUCTS

2.1 GENERAL

- A. Provide wood doors manufactured by a single firm specializing in the production of this type of work.
- B. Provide doors complying with Architectural Woodwork Institute (AWI) Quality Standards as herein specified.
- C. Manufacturer's offering products to comply with the requirements for wood doors include the following:
 1. Marshfield Door systems, Marshfield, Wisconsin
 2. United States Plywood, New York, New York
 3. Georgia Pacific Corporation, Curtis Division, New London, Wisconsin.

4. Lampton Doors
5. Mohawk Flush Doors, Inc.
6. Blount Doors

2.2 MATERIALS

- A. Wood doors shall be 1-3/4" thick, flush type.
 1. Quality Grade - All Solid Core doors shall be Custom Grade equal to Specification in Architectural Woodwork Institute (AWI) Quality Standards, Section 1300, including latest revisions at time job is bid. Solid Core Doors shall also meet requirements of commercial standards CS236-66 Type 1, density C.
 2. Faces and finishes - all doors shall have AWI "A" faces of natural birch veneer.
 3. Core – Solid Bonded Core Construction shall be AWI Type "PC5" for all solid core wood doors scheduled.
 4. Glues - All glues shall be water resistant applied hot and under pressure.
 5. Edges - Solid core edge strips for top and bottom shall not be less than 1-1/8" nor 1-3/8" at sides to match face veneers.
 6. Vision Panels - Provide cut-outs and molding Type W-6, manufactured by Marshfield Door systems or approved equal.
 7. All "C" labeled doors shall be equal to AWI Specifications Symbol FD 3/4.

2.3 FINISH

- A. Clear Factory Finish system to meet or exceed AWI Finish TR-6.

3 PART 3 EXECUTION

3.1 SURFACE CONDITIONS

- A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper installation.

3.2 INSTALLATION

- A. Fitting and machining:
 1. Unless doors are completely fitted and machined at the mill, fit them for width by planing and fit them for height by sawing.
 - a. Bottom: 1/2" clearance maximum

- b. Top: 1/8" clearance maximum
 - c. Lock edge and hinge edge: Bevel 1/8" in 2" maximum
2. Machine doors for hardware in accordance with recommendations of the hardware manufacturers, as those recommendations have been approved by the Architect.

- B. Receive and retain custody of finish hardware furnished for the work of this Section under Section 08710 of these Specifications and, except as otherwise directed by the Architect, install all such finish hardware in strict accordance with the recommendations of its manufacturer.
- C. Replace or rehang doors which are hingebound and do not swing or operate freely.

3.3 COMPLIANCE

- A. The Owner reserves the right to request and pay for an inspection by a representative of the referenced organization to determine that the work of this Section has been performed in accordance with the specified standards.
- B. In the event such inspection determines that the work of this Section does not comply with the specified requirements, immediately remove the non-complying items and replace them with items complying with the specified requirements, all at no additional cost to the Owner, and reimburse the Owner for the cost of the inspection.

...END OF SECTION 08200