SECTION 08211

FLUSH WOOD & VINYL COVERED DOORS

PART 1 - GENERAL

1.01 SUMMARY

A. 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 08710 - Door Hardware.
3. Section 09900 - Painting

C. Codes: Materials and work shall conform to the governing Building Code. In case of conflict between these specifications, the standard specifications, and the Building Code, the more stringent shall govern.

1.02 SUBMITTALS

A. Comply with pertinent provisions of Section 01300.

B. Product data: Within 30 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. Samples, approximately 8" x 8" in size, of each of the proposed door face materials.

1.03 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 the latest edition of:
1. "Manual of Millwork" Section 20 of the Woodwork Institute for the grade or grades specified.
2. Certification and stamps will be required.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Comply with pertinent provisions of Section 01600.

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 over concrete floor slab, 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.

PART 2 - PRODUCTS

2.01 FLUSH WOOD DOORS

A. Provide flush wood doors of the types, designs, and thicknesses shown on the Door Schedule in the Drawings, labeled or non-labeled as indicated and required, and in solid core as shown on the Door Schedule.

B. Grade: Except as may be shown otherwise on the Drawings, fabricate the work of this Section to "premium architectural grade" standards of the referenced organization.

C. Species:
1. For doors designated on drawings to receive paint, provide Birch or Beech faces, primed for field painting.
3. For pairs of doors, face veneers shall be sequenced matched on both faces.

D. Where indicated on Drawings, field paint doors in colors indicated, according to requirements of specifications Section 09900 - Painting.

E. Where indicated on drawings, provide 12" x 24" metal door louvers. Paint to match door surface.

2.02 VINYL COVERED WOOD DOORS

A. Provide high impact resistant Vinyl Acrylic Acrovyn Door Systems wood flush doors as manufactured by Construction Specialties, Inc. Acrovyn Door Systems, or equal. Doors shall be 5-ply, solid core, non-rated.

B. Grade: unless noted otherwise on drawings, doors shall be fabricated to WDMA Extra Heavy Duty Door standards.

C. Vinyl Acrylic Face Lamination: face material shall be .040-inch vinyl/ acrylic sheet permanently laminated to wood door so as to withstand hard use without delaminating. Face material base color shall be integral throughout to prevent discoloration caused by scratches. Where simulated wood grain pattern is called for on Door Schedule, such "wood grain" face material shall have the appearance of a single sheet of wood veneer – book or slip matching appearance is not acceptable.

D. Strike and hinge edges shall be beveled 1/8-inch in 2-inches.

E. Doors shall be factory pre-fit and beveled to fit framed openings. Doors shall be machined in the factory for mortised hardware items, and internal reinforcement shall be provided where surface mounted hardware is required.

F. Doors shall have double stiles in the following manner:
   1. Fixed wood door stiles shall be provided with a dado groove to accept secondary stiles.
   2. Replaceable secondary wood door stiles shall be attached to fixed stiles by means of wood screws.

G. Doors shall have factory-installed, replaceable vinyl/ acrylic door edges that pressure fit to the secondary wood stiles without use of adhesive.

PART 3 - EXECUTION

3.01 SURFACE CONDITIONS

A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected.

3.02 INSTALLATION

A. Fitting and machining:
   1. Unless doors are completely fitted and machined at the mill, fit them for width by planning 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 re-hang doors which are hinge bound and do not swing or operate freely.

3.03 COMPLIANCE

A. The Owner reserves the right to request and pay for an inspection by a representative of the Woodwork Institute to determine that the work of this Section has been performed in accordance with the specified standards.

B. In the event such inspection determines 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 - 08211