

SECTION 06200
FINISH CARPENTRY

PART 1 - GENERAL

1.1 SUMMARY:

A. Section Includes:

1. Miscellaneous exposed wood members commonly known as "Finish Carpentry" or "Millwork".
2. Interior trim.
3. Plastic laminate.
4. Window stools.

B. Related Sections:

1. Section 06100 - Rough Carpentry.
2. Section 06400 - Architectural Woodwork.
3. Section 06650 - Solid Polymer Fabrications.
4. Section 08100 - Metal Doors and Frames.
5. Section 08210 - Wood Doors.
6. Section 08710 - Finish Hardware.
7. Section 09260 - Gypsum Board Systems.
8. Section 10100 - Visual Display Boards.
9. Section 12304 - Plastic Laminate Faced Casework.
10. Section 12345 - Metal Laboratory Casework.
11. Section 12346 - Wood Laboratory Casework.
12. Section 12348 - Laboratory Tops, Sinks and Accessories.
13. Section 12370 - Residential Casework: Standard factory fabricated residential casework.

1.2 REFERENCES:

- A. American National Standards for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People ANSI A117.1.
- B. Uniform Federal Accessibility Standards (UFAS).
- C. Architectural Woodwork Institute (AWI) "Quality Standards", latest edition.

1.3 SUBMITTALS:

A. Shop Drawings:

1. Submit Shop Drawings for:
 - a. All millwork items.
 - b. Countertops.
 - c. Shelving.
 - d. Window stools.

- e. Other items as required.
- B. Samples:

- 1. Samples Required Include:
 - a. Wood veneers and solid wood.
 - b. Plastic laminate.
 - c. Cabinet hardware.

1.4 QUALITY ASSURANCE:

A. Quality Standards: For the following types of architectural woodwork, comply with the Architectural Woodwork Institute (AWI) "Quality Standards" as applicable. In event of dispute as to performance under AWI standards, Owner may call upon AWI for an inspection and report by AWI Quality Certification Program. All parties agree to abide by AWI decisions. Costs for this service will be paid by Owner unless AWI determines that specified standards have not been met, in which cases costs will be paid by Contractor.

- 1. Standing and Running Trim: AWI Section 300, Custom Grade. Custom grade will be considered for special application areas with the specific consent of the university.
- 2. Shelving: AWI Section 600, Custom Grade.
- 3. Miscellaneous Work: AWI Section 700, Custom Grade.
- 4. Plastic Laminate Casework and Countertops: AWI Section 400, Custom Grade.
- 5. For remodeling work, match existing, adjacent woodwork in color, species and grade quality.

B. Grading and Marking: Lumber shall be marked on each piece, located on surfaces which will not be exposed after installation. Grade marks to be of the association under whose rules it is graded. Bundle marking or Certificate of Inspection issued by the association will be permitted in lieu of marking each individual piece.

PART 2 - PRODUCTS

2.1 PLASTIC LAMINATE MANUFACTURERS:

A. Provide plastic laminate for all laminate work, and casework manufactured by:

- 1. Formica Corporation.
- 2. Nevamar.
- 3. Wilson Art.
- 4. Approved substitute under provisions of Section 01600.

2.2 PLASTIC LAMINATE MATERIALS:

A. Laminated Countertops and Edges:

- 1. All custom countertops (vanities, and other tops for mill-built cabinets, etc.) shall be pressure laminate.

2. Selection, will be made from all available manufacturer's patterns, wood grains, solid colors and standard finishes.
3. Countertops: 1" particleboard with 1/2" overhang. Finish front and sides with the countertop materials.
4. Backsplashes shall be 3/4" thick, finished with high pressure laminated material on the front, top edge and side edges.

B. Plastic Laminate Applications:

1. Plastic Laminate for Horizontal Surfaces: Type 2, 0.050" thick, General-Purpose Type (high pressure).
2. Plastic Laminate for Post-Forming: Type 3, 0.042" thick, Post-Forming Type (high pressure).
3. Plastic Laminate for External Vertical Surfaces: Type 4, 0.028" thick, General-Purpose Type (high pressure).
4. Plastic Laminate for Cabinet Linings: 0.020" thick, Lining Type (high pressure). At surfaces where high pressure balancing sheet is not required, 0.020" thick low pressure melamine may be used.
5. Plastic Laminate for Concealed Panel Backing: 0.020" thick, Backer-Type (high pressure).

2.3 BOARD PRODUCTS:

- A. Particleboard: Medium density (45 lbs./cu. ft. minimum) board fabricated from wood chips and phenolic resin binders, compressed board, 3/4" thickness unless otherwise indicated complying with ANSI A208.1, Grade 1-M-1.

LEED IEQc4: Low-Emitting Materials
Urea-Formaldehyde resin binders are unacceptable.

- B. Hardboard: PS 58, Class 1 (tempered), smooth one side or both sides where indicated, 1/4" thickness unless otherwise indicated.

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- C. Solid Stock: Selected for color and graining. Unless otherwise shown, provide solid material of the same species as adjacent or abutting exposed, transparent finished veneer.

2.4 WINDOW STOOLS:

- A. Renovation Work: Match existing condition.

B. Drywall sills are not acceptable.

2.5 HANDRAILS:

A. Wood handrails shall be designed to conform to the requirements of UFAS and ANSI A117.1 for diameter, extension and location.

2.6 INFILTRATION BARRIER:

A. Inject grout or caulk around window and door frames where voids occur between rough opening and finished frame. Fill voids to avoid air infiltration.

PART 3 - EXECUTION

3.1 APPLICATION OF PLASTIC LAMINATE:

A. Plastic laminate joints shall be staggered from substrate joints.

B. Plastic laminate joints shall be hair-line, flush butt joints.

C. Number of plastic laminate joints shall be kept to a minimum.

3.2 APPLICATION OF HARDWARE:

A. Receive, store and be responsible for all finished hardware.

B. Apply hardware in accordance with manufacturer's instructions and UFAS requirements.

C. The location of hardware in connection with doors shall be as follows:

1. Center door levers 38 inches above finished floor.
2. Space center hinges equal distance between top and bottom hinges.

END OF SECTION 06200