

**ADDENDUM #1**

**Deschutes Public Library  
REQUEST FOR QUALIFICATIONS (RFQ) #22-23/15  
LIBRARY SHELVING MILLWORK ORS279B**

**IN SUPPORT OF BOND-FUNDED CONSTRUCTION PROJECTS**

Make note of the following changes and additions to the request for proposals document. **Strike Through** indicates "DELETE" and **RED TEXT** indicates "INSERT".

- 1) Page 2 – Legal Advertisement: **Insert Existing Page 2** with the following

DESCHUTES PUBLIC LIBRARY DISTRICT  
REQUEST FOR PROPOSALS

LIBRARY SHELVING MILLWORK SERVICES

NOTICE IS HEREBY GIVEN, Deschutes Public Library District (District) is requesting sealed proposals to invite qualified Vendors to work with the District library shelving vendor to fabricate unique library shelving millwork panels and custom display units for bond-funded library projects. Work will include fabrication methods, materials, cost analysis and schedule. Installation of designed goods will be performed by District's library shelving vendor in up to 7 libraries.

Sealed proposals will be received until 2:00 PM on January 19, 2023. Clearly mark proposals "Deschutes Public Library District LIBRARY SHELVING MILLWORK Services Proposal" and submit to Todd Dunkelberg, Library Director, Deschutes Public Library District at 507 NW Wall Street, Bend, Oregon 97703. Proposals received after closing will be rejected as nonresponsive and returned unopened. Public opening of responsive proposals will occur at 507 NW Wall Street, Bend, OR, 97703, at 2:00 PM on January 19, 2023.

A copy of the RFP, including all contract terms, conditions and specifications may be obtained on the District's website at <https://www.deschuteslibrary.org/about/bond/>, the address above, or by calling (541) 312-5291, from December 28, 2022, until the closing date. Interested parties will prepare and submit proposals meeting the requirements of the District's RFP for consideration by District. It is the District's intent to select the most advantageous proposal(s) based on the evaluation criteria set forth in this RFP. No pre-qualification will be required for the contract award, nor will a pre-proposal conference be held.



Lynn Mildenstein, Assistant Library Director

Dated: December 28, 2022

2) ADD TO BOTTOM OF PAGE 10 LIBRARY SHELVING MILLWORK REQUEST FOR PROPOSAL:

**APPENDIX 8 LA PINE SHELVING END PANEL SPECIFICATIONS**  
**APPENDIX 9 SISTERS SHELVING END PANEL SPECIFICATIONS**

3) QUESTION: Page 2 of RFP has due the 13th...page 1 the 19th  
ANSWER: **PROPOSALS ARE DUE JANUARY 19, 2023 AT 2:00 PM. ORIGINAL PAGE 2 HAS BEEN REPLACED WITH ITEM #1 ABOVE. REVISED PAGE 2 SHOWS DUE DATE JANUARY 19, 2023.**

4) QUESTION: Can the proposal be emailed?  
ANSWER: **THE PROPOSAL CANNOT BE EMAILED. A THUMB DRIVE OR OTHER STANDARD USB DEVICE WITH SAME CAPABILITY MUST BE DELIVERED WITH THE PRINTED HARDCOPIES**

5) QUESTION: I do not see the wood panel/top spec WD-1 & WD-2  
ANSWER: **WOOD SPECIFICATIONS INCLUDED IN THIS ADDENDUM AND LABELED "APPENDIX 8 LAPINE SHELVING END PANEL SPECIFICATIONS" AND "APPENDIX 9 SISTERS SHELVING END PANEL SPECIFICATIONS"**

6) QUESTION: Appendix 6, how should we break-out the wood?  
Example: S361172-5S – if stand alone unit it would have 2 end panels and 1 top. If in a row of 4 units it would be 2 end panels and 4 tops etc. should we look at the drawing and price all the anels/tops associated with these units as 1 combined price?

ANSWER: **APPENDIX 6 REV LIBRARY SHELVING MILLWORK DETAILED COST PROPOAL WORKSHEET 1 (INCLUDED IN THIS ADDENDUM) REPLACES APPENDIX 6 LIBRARY SHELVING MILLWORK DETAILED COST PROPOSAL WORKSHEET 1 AND CLARIFIES UNIT PRICING.**

7) **QUESTION:** Drawings are showing panels between wall units...is this correct?

**ANSWER: DRAWINGS ARE CORRECT. PROVIDE PRICING DETAIL FOR CENTER PANEL AS NOTED IN APPENDIX 6 REV LIBRARY SHELVING MILLWORK DETAILED COST PROPOSAL WORKSHEET 1**

**Reminder: Be certain to note receipt of this and any subsequent addenda on the "CERTIFICATION AND CONTRACT OFFER" Proposal Response Form. Acknowledgment of this addendum is a mandatory requirement. Proposals received without responses to all the addenda may be considered non-responsive.**

Greg Holcomb  
Owner's Representative  
Deschutes Public Library

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SECTION 06 40 00  
ARCHITECTURAL WOODWORK

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
  - 1. Wood paneling.
  - 2. Shelving end panels.
  - 3. Casework.
  - 4. Wood door and relite frames.
  - 5. Wood stairs and railings.
  - 6. Shop finishing.
  - 7. Glazing for architectural woodwork elements.
  - 8. LEED documentation.
- B. Related Sections:
  - 1. 01 81 13 - Sustainable Building Requirements: LEED requirements for the Project.
  - 2. 06 10 00 - Rough Carpentry: Blocking for finish carpentry.
  - 3. 08 14 00 - Wood Doors: Flush doors.
  - 4. 08 71 00 - Door Hardware.
  - 5. 09 90 00 - Painting and Coating: Field applied opaque finish coatings.
  - 6. 09 93 13 - Field Applied Transparent Wood Finishes: Field applied clear wood finishes.

1.2 REFERENCES

- A. American National Standards (ANSI)
  - 1. ANSI A208.1 - Standard for Particleboard
  - 2. ANSI A208.2 - Standard for Medium Density Fiberboard (MDF)
- B. American Society for Testing and Materials (ASTM)
  - 1. C1036 Standard Specification for Flat Glass
  - 2. E84 Test Method for Surface Burning Characteristics of Building Materials
- C. American Plywood Association (APA)
- D. North American Architectural Woodwork Standards (NAAWS), Edition 3.1, 2017. Published jointly by the Woodwork Institute and the Architectural Woodwork Manufacturers of Canada.
- E. Business Institutional Furniture Manufacturer's Association (BIFMA)
- F. West Coast Lumber Inspection Bureau (WCLIB): Standard Grading Rules for West Coast Lumber No. 17.
- G. S. Product Standard (PS) PS 1 Product Standard for Construction and Industrial Plywood.
- H. Forest Stewardship Council (FSC).

1.3 DEFINITIONS

- A. Exposed Portions of Casework: Those surfaces visible when doors and drawers are closed, including edges of doors and drawers, edges of cabinet boxes visible between doors and drawers, backs of hinged doors, interiors behind glass doors, and interiors in open cabinets.
- B. Semi-Exposed Portions of Casework: Those areas not defined as exposed, but visible when solid (not glazed) doors and drawers are opened.
- C. Concealed Portions of Casework: All remaining areas not defined as exposed or semi-exposed.

1.4 SUBMITTALS

- A. Make submittals in accordance with Section 01 33 00.
- B. Product Data:

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1. Submit product literature or sample of each hardware component proposed.
  2. Particleboard and MDF Materials: Literature verifying materials have no added urea formaldehyde.
  3. Paint and Adhesive Systems: Submit product literature and Material Safety Data sheets stating VOC limits and chemical component limits for each product.
- C. Shop Drawings. Indicate materials, components, profiles and configurations, dimensions, fastening methods, jointing details, colors and finishes, and accessories. Details shall be at a minimum scale of 1-1/2 inch per foot.
- D. Samples:
1. Solid Wood with Transparent Finish: Submit a minimum of 3 - 12 inch long samples representative of the maximum range of color and graining to be expected for each species, cut, and finish combination specified. Include samples of transparent finish with putty filled holes and specified field applied top coat.
  2. Opaque Finish Wood: Submit a minimum of 3 - 12 inch long samples representative of the maximum range of graining and surface imperfections to be expected.
  3. Veneer Paneling: Submit a minimum of 3 - 8" x 11" samples of each species, cut, and finish combination for each veneer; include core material.
  4. Casework Hardware: Submit sample or product literature for each type.
  5. Plastic Laminate Panel: Submit a minimum 8 x 11 sample of each color and pattern specified with proposed edging.
- E. Quality Control Submittals:
1. Certifications:
    - a. Submit certification that the fire retardant treatments used comply with the specified requirements.
- F. LEED Submittals: Provide information as specified in Section 01 81 13.
- 1.5 QUALITY ASSURANCE
- A. Fabricator: A minimum of 5 years experience in the fabrication of custom architectural woodwork of the type specified. The Fabricator shall be approved by the Architect.
- B. All Architectural Woodwork shall be under the responsibility of a single fabricator.
- C. Qualifications of Installers: Use only journeyman finish carpenters who are thoroughly trained and skilled in the work, and who are completely familiar with the materials and quality standards specified. No allowance will be made for lack of skill on the part of workmen.
- D. Conform to NAAWS Custom grade standards unless specified or indicated otherwise.
- E. Solid Surfacing Fabricator Qualifications: Certified by the solid surfacing materials manufacturer.
- F. Mock-Ups:
1. Provide mock-up in accordance with Section 01 40 00.
  2. Fabricate one lower casework unit to receive transparent finish and one unit to receive opaque finish; complete with countertop, hardware and all electrical and mechanical components; and finished as specified. Select unit as approved by the Architect.
  3. Components approved by Architect may be incorporated into the Work.
- G. Certified Wood: Lumber, plywood, and wood veneer shall be certified to be from a well managed forest by one of more of the following independent certification organizations accredited by the Forest Stewardship Council:
1. Smart Wood.

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2. Scientific Certification Systems.
3. Certified Forest Products Council

1.6 DELIVERY, STORAGE AND HANDLING

- A. In accordance with 016000, and as follows:
1. Do not deliver wood materials to the building until "wet" work such as gypsum wallboard work has been completed.
  2. Store materials indoors in ventilated area with a minimum temperature of 60 degrees F., and a maximum humidity of 50%.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Lumber:
1. Transparent Finish Lumber: NAAWS Grade I; White oak; rift cut; hand selected for comb grain effect and minimum flake.
  2. Opaque Finish Lumber: NAAWS Grade II Poplar.
  3. Concealed Framing Lumber: NAAWS Grade II pine, fir, hemlock, or other species as approved.
  4. Moisture Content: Optimum moisture content per NAAWS recommendations.
- B. Plywood:
1. Typical Plywood: APA rated in accordance with PS 1; 3/4 inch thick AC exterior grade unless indicated or specified otherwise; touch sanded where plastic laminate veneers are to be applied.
  2. ~~Hardwood Veneer Plywood (Indicated for Paint Finish):~~
    - a. ~~"Apple Ply" by States Industries (Eugene, OR 800-843-2753; Grade A, or EuroPly Plus by Columbia Forest Products.~~
    - b. ~~Alder or birch veneer core; (9 to 11 ply for 1/2 inch thickness, 13 to 15 ply for 3/4 inch thickness); yellow birch veneer faces, plain sliced; no added urea formaldehyde.~~
  3. Hardwood Veneer Plywood (WD-1, WD-2):
    - a. Veneer core; Thicknesses, and veneer face species and cut as scheduled; Grade A, no added urea formaldehyde. Provide documentation that veneer plies are not sourced from Russia.
    - b. Basis of Design:
      - 1) Columbia Forest Products; EuroPly Plus: [www.columbiaforestproducts.com](http://www.columbiaforestproducts.com)
      - 2) States Industries; Apple Ply: [www.buyappleply.com](http://www.buyappleply.com).
    - c. If veneer plies for Basis of Design cannot be sourced from outside of Russia, provide the following:
      - 1) Columbia Forest Products; MPX PureBond Veneer Core Plywood: [www.columbiaforestproducts.com](http://www.columbiaforestproducts.com)
    - d. Thicknesses:
      - 1) WD-1: 3/4 Inches. laminate two panels together where 1-1/2 inch plywood is indicated.
        - (a) Laminate two panels together where 1-1/2 inch material is indicated.
      - 2) WD-2: 1 inch.
- C. Wood Veneer Fitches: NAAWS Grade AA; White oak; rift cut; hand selected for comb grain effect and minimum flake; veneer fitches shall be selected and approved by the Architect at the

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- wood fabricators plant.
- D. Medium Density Fiberboard (MDF):
    - 1. Standard MDF: ANSI A208.2 Class MD; no added urea formaldehyde; Medite II by Sierra Pine Ltd. 800-676-3339.
    - 2. Moisture Resistant MDF:
      - a. Medex by Sierra Pine Ltd. (800-676-3339); ANSI A208.2 Class MD; no added urea formaldehyde.
      - b. Extira by CMI (Chicago, IL; 312-382-8701); no added urea formaldehyde.
  - E. Plastic Laminate (PLAM-1):
    - 1. Fenix, NTM; color as indicated in the Interior Finish Schedule.
    - 2. Exposed: NEMA LD-3; general and vertical grade,
    - 3. Backing Sheets: NEMA LD-3; backing grade; undecorated.
  - F. ABS Edging: By Doellken-Woodtape; ABS plastic; colors as selected by the Architect to match adjacent facing material; 0.45mm thickness.
  - G. Proprietary Wood Door and Relite Frames:
    - 1. Basis of Design Products: "DuraStraight" by Washington Hardwoods (206-283-7574), or approved.
    - 2. Fabricate from vertical grain douglas fir.
    - 3. Fabricate frames to the shapes indicated.
    - 4. Fabricate to provide the following door installation clearances:
      - a. 1/8 inch at top, and edges.
      - b. 1/2 inch from door bottom to the floor finish.
    - 5. Machine frames to receive hardware specified in Section 087100. Request templates from the hardware supplier.
    - 6. Fabricate frames from single length pieces, without joints, for each straight length.
    - 7. Fabricate with 1/8-inch thick douglas fir face (not veneered) with minimum 1/2" thick douglas fir edges bonded to engineered core in accordance with ASTM D 5456.

2.2 ACCESSORY MATERIALS

- A. Cabinet Hardware:
  - 1. Pulls: Mockett DP128 Series - Round Top Drawer Pull DP128/6-6-11/16" Round Top Pull Color: Satin Nickel (17S)
  - 2. Drawer Slides: Full extension ball bearing; clear zinc finish; rail mount; Accuride, or approved; load rating as required for the application.
    - a. Light Duty Rating (drawers 12 inches wide or less): Accuride 2632; 65 lb BIFMA load rating
    - b. Medium Duty Rating(drawers 32 inches wide or less): Accuride 7432; 100 lb BIFMA load rating.
    - c. Heavy Duty Rating (drawers 42 inches wide or less): Accuride 3640; 200 lb BIFMA load rating.
  - 3. Cabinet Locks: Olympus Lock or approved; 5 pin tumbler cylinder locks; ANSI Grade 1; configuration to suit condition; keyed alike as directed, and masterkeyed. Furnish two keys for keyed alike group, and four masterkeys; finish to match pulls.
  - 4. Concealed Hinges: European style; concealed; 120 degree of opening, Blum, Salice, or Hafele; self-closing, except at touch latches.
  - 5. Catch: Ives 327 A92 magnetic catch.

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6. Touch Latches: Epco 507PWS.
  7. Cabinet Shelf Standards and Brackets: Zinc plated; Knape and Vogt No. 255 and 256.
  8. Cabinet Shelf Brackets: Metal pin style support; chrome finish.
  9. Wiring Grommets: "TG Series" by Doug Mockett and Company, Inc., Manhattan Beach CA.; size to match application; color as selected by Architect from manufacturer's standard colors.
- B. Closet Hardware:
1. Closet Rod: Knape & Vogt # 770 5; 1-5/16 inch diameter; chrome finish.
  2. End Flanges: Knape & Vogt # 764/766; chrome finish.
- C. Wall Shelf Hardware:
1. Brackets: Knape & Vogt # 185 Anochrome finish; length as appropriate for shelving indicated.
  2. Standards: Knape & Vogt # 85 Anochrome finish.
- D. Counter Support Brackets:
1. Manufacturer/Source
    - a. Oodles of Parts Plus (Patchogue, NY; 800-286-5471)
    - b. A&M Hardware Inc. (Manheim PA; 888-647-0200)
    - c. Steelcase
    - d. Herman Miller
  2. Bracket: "Work Station Bracket"; 1/8" steel; 24" x 24" size unless otherwise indicated; right and left hand configuration as appropriate; prime paint finish.
- E. Hanging Hardware: Brooklyn Hardware LLC (Portland OR; 888-232-1151) "Panelclip," Doug Mockett and Company (Manhattan Beach CA.; 800-523-1269) ZC3 "Z-Clips," or approved; interlocking aluminum clip.
- F. Glass: Plate or float glass in accordance with ASTM C1036, Type I clear; quality q3; thickness as indicated; tempered where indicated.
- G. Low VOC Polyurethane: Polyureseal BP by American Formulating and Manufacturing, San Diego, CA 619-239-0321; maximum 350 g/L VOC.
- H. Binding Screws:
1. Wide flange head binding wood or machine screws; 17mm wide flat flange head with 1.5mm beveled edge; 2 mm head height; 4mm hex drive; bronze plated steel.
  2. Basis of Design Product: McMaster Carr, "Binding Screw"; [www.mcmaster.com](http://www.mcmaster.com).  
Products as listed below:
    - a. Wood Binding Screws: #90835A400, 90835A410, or 90835A420;
    - b. Machine Binding Screws: #90835A108 or 90835A110; ¼" -20; provide matching nuts and washers.
  3. Lengths as required to fit the conditions indicated.
- 2.3 WOOD DOOR AND SIDELITE FRAME FABRICATION
- A. Fabricate door frames to the shapes indicated.
- B. Fabricate to provide the following door installation clearances:
1. 1/8 inch at top, and edges.
  2. 1/2 inch from door bottom to the floor finish.
- C. Machine frames to receive hardware specified in Section 087100. Request templates from the hardware supplier.



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- D. Fabricate to receive glazing with proper clearances for expansion and contraction.
- E. Fabricate frames from single length pieces, without joints, for each straight length.
- F. Fabricate each section from [solid stock][composite construction consisting of fabricator selected solid wood or laminated core clad with specified transparent finish veneer. Exposed edges and corners shall have minimum 1/8 inch thick solid wood to match the veneer.

2.4 VENEER PANEL FABRICATION

- A. Fabricate veneer paneling to NAAWS "Premium" grade standards.
- B. Fabricate veneer panels using flitches as selected by the Architect.
- C. Fabricate panels with wood veneer over medium density particleboard core. Use fire retardant treated particleboard core unless indicated otherwise.
- D. Provide solid wood edging at veneer panels.
- E. Arrange veneers within each panel as follows:
  - 1. Fabricate each panel from sequential flitches.
  - 2. Book match veneers.
  - 3. Provide no veneer end joints within each panel.
  - 4. Provide grain direction as indicated.
  - 5. Where veneers are indicated to be single piece or slip matched leaves for each panel, adjoining panels shall be end matched and/or slip matched as appropriate.
- F. All panels shall be book matched and end matched.
- G. Panels shall have wood veneer balance sheets with seal coat on the back of each panel.
- H. Fabricate panels with joints accurately matched, tightly fitted.

2.5 CASEWORK FABRICATION

- A. General Fabrication Requirements:
  - 1. Fabricate to the configurations indicated, unless approved otherwise on the shop drawings.
  - 2. Provide openings in casework for the incorporation of all electrical and mechanical components. Openings for all plumbing equipment shall be cut from templates obtained from the plumbing equipment installer.
  - 3. Provide concealed access to casework electrical fixtures and wiring.
  - 4. Unless indicated or approved otherwise, provide adjustable base to provide level installation which accommodates variations in floor levelness.
  - 5. Shop assemble casework to the greatest practical extent
  - 6. Adjustable Shelves: All casework shelves shall be adjustable, unless otherwise noted. Provisions for shelf adjustment shall be by drillings at 2 inches on center in the cabinet body for the placement of shelf support brackets. Provide 4 supports for each shelf. Drillings shall be in straight even lines.
  - 7. Provide all hardware, fasteners, and exposed trim.
  - 8. Provide openings with wiring grommets at locations indicated. When not indicated, provide openings with wiring grommets along countertops with knee spaces underneath. Space at 36 inches maximum, with a minimum of one opening per knee space.
- B. Plastic Laminate Casework Construction:
  - 1. Fabricate casework in accordance with NAAWS standard section 10; custom grade.

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2. Design: NAAWS Flush Overlay design, unless indicated otherwise. Joint between exposed doors, drawer faces, and countertop edges shall be 1/8 inch plus or minus 1/16.
  3. Exposed Surfaces: Plastic laminate clad with matching PVC edging, unless otherwise indicated; provide hardwood trim at locations indicated.
  4. "Inside" Exposed Surfaces of Shelving Units and Cabinets Without Doors: Plastic laminate finished board, with exposed edges banded with plastic laminate self edging or PVC tape to match face color.
  5. Semi-Exposed Surfaces: Prefinished board, unless indicated otherwise.
  6. Provide vertical grade plastic laminate, except use general purpose grade at countertops.
  7. Backs of Doors and Drawers: Plastic laminate.. Particleboard shall be minimum 3/4" thick unless indicated otherwise. Shelves shall be 1" thick, minimum.
- C. Transparent Finish Wood Casework Construction:
1. Fabricate transparent finish wood casework in accordance with NAAWS standard section 400; "Premium" grade.
  2. Fabricate wood casework with wood veneer over medium density particleboard. Provide solid wood edging at veneer panels.
  3. Veneers shall be as follows:
    - a. Fabricate each panel from sequential flitches.
    - b. Book match veneers.
    - c. Provide no veneer end joints within each panel.
    - d. Provide grain direction as indicated.
  4. Where veneers are indicated to be single piece or slip matched leaves for each panel, adjoining panels shall be end matched and/or slip matched as appropriate.
- D. Plastic Laminate Countertops:
1. Fabricate countertops from particleboard and general purpose grade plastic laminate in the shapes indicated.
  2. Where countertops are indicated with sinks, use exterior grade plywood in lieu of particleboard.
- E. Stainless Steel Countertops and Backsplashes:
1. Fabricate from minimum 16 gage type 304 or 316 stainless steel to the configurations indicated.
  2. Fabricate each countertop in one piece to the greatest extent possible.
  3. Provide welded seamless corners and joints; grind all welds smooth to match adjacent surfaces.
  4. Provide turned down fronts and exposed sides; integral back splashes with 3/8 inch radius.
  5. Fabricate countertops with three formed stainless steel channels welded underneath for support.
  6. Spray on sound deadening to the underside of the countertops.
  7. Finish: #4 finish.
- F. Wall and Closet Shelf Fabrication:
1. Fabricate from plastic laminate finished particleboard; edge banded with matching plastic laminate edging unless indicated otherwise.
  2. Fabricate from prefinished board; edge banded with matching PVC edging unless indicated otherwise.

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3. Provide minimum 3/4 inch thick shelves, except provide thicker shelves as required to support the loads and spans indicated without significant deflection.
- G. Hardware:
  1. Unless otherwise shown or specified, all drawers shall be equipped with standard full extension slides.
  2. Install hardware straight and true and in perfect alignment horizontally and vertically with adjacent casework and hardware.
  3. Carefully fit and securely attach cabinet hardware in accordance with manufacturers' printed instructions, and exercise caution not to mar or injure finish surfaces.

2.6 SHOP FINISHING

- A. Shop finish all architectural woodwork wood surfaces. Shop finishing may be implemented in an enclosed on-site location which has a controlled environment for proper ventilation, heating, and cleanliness.
- B. Sand all exposed and semi-exposed wood surfaces smooth, always sanding in the direction of the wood grain.
- C. Sand all exposed transparent finish wood surfaces to NAAWS "Premium " grade standards. Sand all semi-exposed transparent or opaque finish wood surfaces to NAAWS "Custom" grade standards.
- D. Fill all depressions and imperfections with color matched putty, except imperfections shall not exceed NAAWS Premium grade standards.
- E. Transparent Finish Coating: Spray apply in accordance with NAAWS finishing system, Premium Grade Waterborne Conversion Varnish; satin sheen. Final coat shall be field applied.
- F. Transparent Finish Coating: Spray apply in accordance with NAAWS finishing system, Premium Grade Catalyzed Lacquer; satin sheen. Final coat shall be field applied.
- G. Transparent Finish Coating:
  1. Spray apply low VOC polyurethane in accordance with the manufacturer's recommendations.
  2. Apply a minimum of 3 coats; 1 thin coat gloss, 2 coats satin sheen.
- H. Opaque Finish Coating: Spray apply in accordance with NAAWS finishing system, Custom Grade Catalyzed Lacquer; satin sheen.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Prior to starting work, carefully inspect installed work of other trades and verify that such work is complete to the point where work of this Section may properly commence. Notify the Architect in writing of conditions detrimental to the proper and timely completion of the work.
- B. Do not begin installation until all unsatisfactory conditions are resolved. Beginning work constitutes acceptance of site conditions and responsibility for defective installation caused by prior observable conditions.

3.2 PREPARATION

- A. Coordinate the installation of blocking and other supports required for the installation of architectural woodwork elements.

3.3 VENEER PANELING

- A. Install paneling as indicated in accordance with NAAWS Section 8 Premium grade standards.

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- B. Install wood paneling over wall surfaces by concealed clips, hangers, or blind fasteners, unless approved otherwise.
- C. Where cleat systems are used to anchor paneling, provide fire blocking in both vertical and horizontal directions 8 feet on center maximum, or as required by code.
- D. Cut and fit each panel to its particular position including cutting around items which cannot be remounted to panel face, and predrilling for holes for wire access for electrical devices to be mounted on the panel face.

3.4 CASEWORK INSTALLATION

- A. Coordinate casework installation with work of other trades for final electrical and mechanical connections.
- B. Install all casework accurately, plumb, square, and level, and permanently secured in precise position as indicated on the Drawings. Casework shall be scribed to adjacent surfaces as follows:
  - 1. Countertops and splashes to wall surfaces.
  - 2. Cabinet endwalls and other exposed surfaces to walls.
  - 3. Cabinet bases to floors.
- C. The casework installation shall be made complete with all required fastenings, clip angles, braces, anchors, adjustable levelers, and other fittings as required to render the work rigid and secure.
- D. All fasteners securing casework shall be in concealed or semi-concealed locations, unless approved otherwise.
- E. Avoid damaging finished surfaces. Repair or replace all damaged materials and surfaces in a manner approved by the Architect.
- F. Upon completion of work, and in the Architect's presence, demonstrate hardware to work freely as intended.

3.5 BANQUETTE INSTALLATION

- A. Install banquette accurately, plumb, square, and level, and permanently secured in precise position as indicated on the Drawings. Scribe to adjacent construction.
- B. All fasteners securing banquette shall be in concealed or semi-concealed locations, unless approved otherwise.
- C. Avoid damaging finished surfaces. Repair or replace all damaged materials and surfaces in a manner approved by the Architect.

3.6 DOOR AND RELITE FRAMES

- A. Install wood door frames to receive operable doors in accordance with 087300.
- B. Install in accordance with the applicable requirements specified for standing and running trim.
- C. Glaze relite frames and fix in position with wood stops as indicated.
- D. Provide wood support framing and nailers.

3.7 SITE FINISHING FOR SHOP FINISHED ELEMENTS

- A. Apply wood filler to exposed fastener indentations and other minor imperfections.
- B. Use matching wood filler at surfaces with shop applied transparent finishes.
- C. Items which have been shop finished shall be retouched as necessary to conceal all damage and blemishes. Items which cannot be successfully repaired shall be replaced with new complying items.

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3.8 SITE FINISHING

- A. Apply wood filler to exposed fastener indentations and other minor imperfections. Use matching wood filler at surfaces with transparent finishes.
- B. Sand all exposed and semi-exposed wood surfaces smooth, always sanding in the direction of the wood grain.
- C. Sand all exposed transparent finish wood surfaces to NAAWS "Premium " grade standards.
- D. Spray apply top coat to match the shop applied finishes.

3.9 CLEANING UP

- A. Keep the premises in a neat, safe, and orderly condition at all times during execution of this portion of the work, free from accumulation of sawdust, cut-ends, and debris.
- B. At the end of each working day, or more often if necessary, thoroughly sweep and/or vacuum surfaces. Remove the refuse to the area of the job site set aside for its storage.

END OF SECTION

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SECTION 06 40 00  
ARCHITECTURAL WOODWORK

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
  - 1. Wood paneling.
  - 2. ~~Shelving end panels.~~
  - 3. Casework.
  - 4. Wood door and relite frames.
  - 5. Wood stairs and railings.
  - 6. Shop finishing.
  - 7. Glazing for architectural woodwork elements.
  - 8. ~~LEED documentation.~~
- B. Related Sections:
  - 1. ~~01 81 13 - Sustainable Building Requirements: LEED requirements for the Project.~~
  - 2. 06 10 00 - Rough Carpentry: Blocking for finish carpentry.
  - 3. 08 14 00 - Wood Doors: Flush doors.
  - 4. 08 71 00 - Door Hardware.
  - 5. 09 90 00 - Painting and Coating: Field applied opaque finish coatings.
  - 6. 09 93 13 - Field Applied Transparent Wood Finishes: Field applied clear wood finishes.

1.2 REFERENCES

- A. American National Standards (ANSI)
  - 1. ANSI A208.1 - Standard for Particleboard
  - 2. ANSI A208.2 - Standard for Medium Density Fiberboard (MDF)
- B. American Society for Testing and Materials (ASTM)
  - 1. C1036 Standard Specification for Flat Glass
  - 2. E84 Test Method for Surface Burning Characteristics of Building Materials
- C. American Plywood Association (APA)
- D. North American Architectural Woodwork Standards (NAAWS), Edition 3.1, 2017. Published jointly by the Woodwork Institute and the Architectural Woodwork Manufacturers of Canada.
- E. Business Institutional Furniture Manufacturer's Association (BIFMA)
- F. West Coast Lumber Inspection Bureau (WCLIB): Standard Grading Rules for West Coast Lumber No. 17.
- G. S. Product Standard (PS) PS 1 Product Standard for Construction and Industrial Plywood.
- H. Forest Stewardship Council (FSC).

1.3 DEFINITIONS

- A. Exposed Portions of Casework: Those surfaces visible when doors and drawers are closed, including edges of doors and drawers, edges of cabinet boxes visible between doors and drawers, backs of hinged doors, interiors behind glass doors, and interiors in open cabinets.
- B. Semi-Exposed Portions of Casework: Those areas not defined as exposed, but visible when solid (not glazed) doors and drawers are opened.
- C. Concealed Portions of Casework: All remaining areas not defined as exposed or semi-exposed.

1.4 SUBMITTALS

- A. Make submittals in accordance with Section 01 33 00.
- B. Product Data:

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1. Submit product literature or sample of each hardware component proposed.
  2. Particleboard and MDF Materials: Literature verifying materials have no added urea formaldehyde.
  3. Paint and Adhesive Systems: Submit product literature and Material Safety Data sheets stating VOC limits and chemical component limits for each product.
- C. Shop Drawings. Indicate materials, components, profiles and configurations, dimensions, fastening methods, jointing details, colors and finishes, and accessories. Details shall be at a minimum scale of 1-1/2 inch per foot.
- D. Samples:
1. Solid Wood with Transparent Finish: Submit a minimum of 3 - 12 inch long samples representative of the maximum range of color and graining to be expected for each species, cut, and finish combination specified. Include samples of transparent finish with putty filled holes and specified field applied top coat.
  2. Opaque Finish Wood: Submit a minimum of 3 - 12 inch long samples representative of the maximum range of graining and surface imperfections to be expected.
  3. Veneer Paneling: Submit a minimum of 3 - 8" x 11" samples of each species, cut, and finish combination for each veneer; include core material.
  4. Casework Hardware: Submit sample or product literature for each type.
  5. Plastic Laminate Panel: Submit a minimum 8 x 11 sample of each color and pattern specified with proposed edging.
- E. Quality Control Submittals:
1. Certifications:
    - a. Submit certification that the fire retardant treatments used comply with the specified requirements.
- F. ~~LEED Submittals: Provide information as specified in Section 01-81-13.~~
- 1.5 QUALITY ASSURANCE
- A. Fabricator: A minimum of 5 years experience in the fabrication of custom architectural woodwork of the type specified. The Fabricator shall be approved by the Architect.
  - B. All Architectural Woodwork shall be under the responsibility of a single fabricator.
  - C. Qualifications of Installers: Use only journeyman finish carpenters who are thoroughly trained and skilled in the work, and who are completely familiar with the materials and quality standards specified. No allowance will be made for lack of skill on the part of workmen.
  - D. Conform to NAAWS Custom grade standards unless specified or indicated otherwise.
  - E. Solid Surfacing Fabricator Qualifications: Certified by the solid surfacing materials manufacturer.
  - F. Mock-Ups:
    1. Provide mock-up in accordance with Section 01 40 00.
    2. Fabricate one lower casework unit to receive transparent finish and one unit to receive opaque finish; complete with countertop, hardware and all electrical and mechanical components; and finished as specified. Select unit as approved by the Architect.
    3. Components approved by Architect may be incorporated into the Work.
  - G. Certified Wood: Lumber, plywood, and wood veneer shall be certified to be from a well managed forest by one of more of the following independent certification organizations accredited by the Forest Stewardship Council:
    1. Smart Wood.

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2. Scientific Certification Systems.
3. Certified Forest Products Council

1.6 DELIVERY, STORAGE AND HANDLING

- A. In accordance with 016000, and as follows:
1. Do not deliver wood materials to the building until "wet" work such as gypsum wallboard work has been completed.
  2. Store materials indoors in ventilated area with a minimum temperature of 60 degrees F., and a maximum humidity of 50%.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Lumber:
1. Transparent Finish Lumber: NAAWS Grade I; ~~White oak; rift cut; hand selected for comb grain effect and minimum flake.~~ Douglas Fir
  2. Opaque Finish Lumber: NAAWS Grade II Poplar.
  3. Concealed Framing Lumber: NAAWS Grade II pine, fir, hemlock, or other species as approved.
  4. Moisture Content: Optimum moisture content per NAAWS recommendations.
- B. Plywood:
1. Typical Plywood: APA rated in accordance with PS 1; 3/4 inch thick AC exterior grade unless indicated or specified otherwise; touch sanded where plastic laminate veneers are to be applied.
  2. ~~Hardwood Veneer Plywood (Indicated for Paint Finish):~~
    - a. ~~"Apple Ply" by States Industries (Eugene, OR 800-843-2753; Grade A, or EuroPly Plus by Columbia Forest Products.~~
    - b. ~~Alder or birch veneer core; (9 to 11 ply for 1/2 inch thickness, 13 to 15 ply for 3/4 inch thickness); yellow birch veneer faces, plain sliced; no added urea formaldehyde.~~
  3. Hardwood Veneer Plywood (WD-1, WD-2):
    - a. Veneer core; Thicknesses, and veneer face species and cut as scheduled; Grade A, no added urea formaldehyde. Provide documentation that veneer plies are not sourced from Russia.
    - b. Basis of Design:
      - 1) Columbia Forest Products; EuroPly Plus: [www.columbiaforestproducts.com](http://www.columbiaforestproducts.com)
      - 2) States Industries; Apple Ply: [www.buyappleply.com](http://www.buyappleply.com).
    - c. If veneer plies for Basis of Design cannot be sourced from outside of Russia, provide the following:
      - 1) Columbia Forest Products; MPX PureBond Veneer Core Plywood: [www.columbiaforestproducts.com](http://www.columbiaforestproducts.com)
    - d. Thicknesses:
      - 1) WD-1: 3/4 Inches. aminate two panels together where 1-1/2 inch plywood is indicated.
        - (a) Laminate two panels together where 1-1/2 inch material is indicated.
      - 2) WD-2: 1 inch.
- C. Wood Veneer Fitches: NAAWS Grade AA; White oak; rift cut; hand selected for comb grain effect and minimum flake; veneer fitches shall be selected and approved by the Architect at the



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- wood fabricators plant.
- D. Medium Density Fiberboard (MDF):
    - 1. Standard MDF: ANSI A208.2 Class MD; no added urea formaldehyde; Medite II by Sierra Pine Ltd. 800-676-3339.
    - 2. Moisture Resistant MDF:
      - a. Medex by Sierra Pine Ltd. (800-676-3339); ANSI A208.2 Class MD; no added urea formaldehyde.
      - b. Extira by CMI (Chicago, IL; 312-382-8701); no added urea formaldehyde.
  - E. Plastic Laminate (PLAM-1):
    - 1. Fenix, NTM; color as indicated in the Interior Finish Schedule.
    - 2. Exposed: NEMA LD-3; general and vertical grade,
    - 3. Backing Sheets: NEMA LD-3; backing grade; undecorated.
  - F. ABS Edging: By Doellken-Woodtape; ABS plastic; colors as selected by the Architect to match adjacent facing material; 0.45mm thickness.
  - G. Proprietary Wood Door and Relite Frames:
    - 1. Basis of Design Products: "DuraStraight" by Washington Hardwoods (206-283-7574), or approved.
    - 2. Fabricate from vertical grain douglas fir.
    - 3. Fabricate frames to the shapes indicated.
    - 4. Fabricate to provide the following door installation clearances:
      - a. 1/8 inch at top, and edges.
      - b. 1/2 inch from door bottom to the floor finish.
    - 5. Machine frames to receive hardware specified in Section 087100. Request templates from the hardware supplier.
    - 6. Fabricate frames from single length pieces, without joints, for each straight length.
    - 7. Fabricate with 1/8-inch thick douglas fir face (not veneered) with minimum 1/2" thick douglas fir edges bonded to engineered core in accordance with ASTM D 5456.

2.2 ACCESSORY MATERIALS

- A. Cabinet Hardware:
  - 1. Pulls: Mockett DP128 Series - Round Top Drawer Pull DP128/6-6-11/16" Round Top Pull Color: Satin Nickel (17S)
  - 2. Drawer Slides: Full extension ball bearing; clear zinc finish; rail mount; Accuride, or approved; load rating as required for the application.
    - a. Light Duty Rating (drawers 12 inches wide or less): Accuride 2632; 65 lb BIFMA load rating
    - b. Medium Duty Rating(drawers 32 inches wide or less): Accuride 7432; 100 lb BIFMA load rating.
    - c. Heavy Duty Rating (drawers 42 inches wide or less): Accuride 3640; 200 lb BIFMA load rating.
  - 3. Cabinet Locks: Olympus Lock or approved; 5 pin tumbler cylinder locks; ANSI Grade 1; configuration to suit condition; keyed alike as directed, and masterkeyed. Furnish two keys for keyed alike group, and four masterkeys; finish to match pulls.
  - 4. Concealed Hinges: European style; concealed; 120 degree of opening, Blum, Salice, or Hafele; self-closing, except at touch latches.
  - 5. Catch: Ives 327 A92 magnetic catch.

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6. Touch Latches: Epc0 507PWS.
  7. Cabinet Shelf Standards and Brackets: Zinc plated; Knape and Vogt No. 255 and 256.
  8. Cabinet Shelf Brackets: Metal pin style support; chrome finish.
  9. Wiring Grommets: "TG Series" by Doug Mockett and Company, Inc., Manhattan Beach CA.; size to match application; color as selected by Architect from manufacturer's standard colors.
- B. Closet Hardware:
1. Closet Rod: Knape & Vogt # 770 5; 1-5/16 inch diameter; chrome finish.
  2. End Flanges: Knape & Vogt # 764/766; chrome finish.
- C. Wall Shelf Hardware:
1. Brackets: Knape & Vogt # 185 Anochrome finish; length as appropriate for shelving indicated.
  2. Standards: Knape & Vogt # 85 Anochrome finish.
- D. Counter Support Brackets:
1. Manufacturer/Source
    - a. Oodles of Parts Plus (Patchogue, NY; 800-286-5471)
    - b. A&M Hardware Inc. (Manheim PA; 888-647-0200)
    - c. Steelcase
    - d. Herman Miller
  2. Bracket: "Work Station Bracket"; 1/8" steel; 24" x 24" size unless otherwise indicated; right and left hand configuration as appropriate; prime paint finish.
- E. Hanging Hardware: Brooklyn Hardware LLC (Portland OR; 888-232-1151) "Panelclip," Doug Mockett and Company (Manhattan Beach CA.; 800-523-1269) ZC3 "Z-Clips," or approved; interlocking aluminum clip.
- F. Glass: Plate or float glass in accordance with ASTM C1036, Type I clear; quality q3; thickness as indicated; tempered where indicated.
- G. Banquette Cushions
1. Seat Cushion:
    - a. 2.7# density foam with a compression rating of 40.
    - b. Wrap foam fully in 1/2 oz. Fire retardant treated dacron.
  2. Fabric: As listed in the Finish Legend.
  3. Cushion Fabrication:
    - a. Cover for tight and smooth appearance.
    - b. Fabricate for tight fit between cushions and adjacent construction.
    - c. Provide boxed edge with luggage stitch seams.
    - d. Provide heat resistant zipper along length of cushion at the backside.
    - e. Fabricate cushion with 3/8 inch MDO plywood backing.
    - f. Include polyethylene moisture barrier wrap at cushions.
  4. Cushions should be removable for cleaning.
  5. Attach loop portions of woven style nylon hook and loop (Velcro) fastener section to align with hook sections mounted on the substrate.
- H. Low VOC Polyurethane: Polyureseal BP by American Formulating and Manufacturing, San Diego, CA 619-239-0321; maximum 350 g/L VOC.
- I. Binding Screws:

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1. Wide flange head binding wood or machine screws; 17mm wide flat flange head with 1.5mm beveled edge; 2 mm head height; 4mm hex drive; bronze plated steel.
2. Basis of Design Product: McMaster Carr, "Binding Screw"; www.mcmaster.com.  
Products as listed below:
  - a. Wood Binding Screws: #90835A400, 90835A410, or 90835A420;
  - b. Machine Binding Screws: #90835A108 or 90835A110; ¼" -20; provide matching nuts and washers.
3. Lengths as required to fit the conditions indicated.

2.3 WOOD DOOR AND SIDELITE FRAME FABRICATION

- A. Fabricate door frames to the shapes indicated.
- B. Fabricate to provide the following door installation clearances:
  1. 1/8 inch at top, and edges.
  2. 1/2 inch from door bottom to the floor finish.
- C. Machine frames to receive hardware specified in Section 087100. Request templates from the hardware supplier.
- D. Fabricate to receive glazing with proper clearances for expansion and contraction.
- E. Fabricate frames from single length pieces, without joints, for each straight length.
- F. Fabricate each section from [solid stock][composite construction consisting of fabricator selected solid wood or laminated core clad with specified transparent finish veneer. Exposed edges and corners shall have minimum 1/8 inch thick solid wood to match the veneer.

2.4 ~~VENEER PANEL FABRICATION~~

- A. ~~Fabricate veneer paneling to NAAWS "Premium" grade standards.~~
- B. ~~Fabricate veneer panels using flitches as selected by the Architect.~~
- C. ~~Fabricate panels with wood veneer over medium density particleboard core. Use fire retardant treated particleboard core unless indicated otherwise.~~
- D. ~~Provide solid wood edging at veneer panels.~~
- E. ~~Arrange veneers within each panel as follows:~~
  1. ~~Fabricate each panel from sequential flitches.~~
  2. ~~Book match veneers.~~
  3. ~~Provide no veneer end joints within each panel.~~
  4. ~~Provide grain direction as indicated.~~
  5. ~~Where veneers are indicated to be single piece or slip matched leaves for each panel, adjoining panels shall be end matched and/or slip matched as appropriate.~~
- F. ~~All panels shall be book matched and end matched.~~
- G. ~~Panels shall have wood veneer balance sheets with seal coat on the back of each panel.~~
- H. ~~Fabricate panels with joints accurately matched, tightly fitted.~~

2.5 CASEWORK FABRICATION

- A. General Fabrication Requirements:
  1. Fabricate to the configurations indicated, unless approved otherwise on the shop drawings.
  2. Provide openings in casework for the incorporation of all electrical and mechanical components. Openings for all plumbing equipment shall be cut from templates obtained from the plumbing equipment installer.

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3. Provide concealed access to casework electrical fixtures and wiring.
  4. Unless indicated or approved otherwise, provide adjustable base to provide level installation which accommodates variations in floor levelness.
  5. Shop assemble casework to the greatest practical extent
  6. Adjustable Shelves: All casework shelves shall be adjustable, unless otherwise noted. Provisions for shelf adjustment shall be by drillings at 2 inches on center in the cabinet body for the placement of shelf support brackets. Provide 4 supports for each shelf. Drillings shall be in straight even lines.
  7. Provide all hardware, fasteners, and exposed trim.
  8. Provide openings with wiring grommets at locations indicated. When not indicated, provide openings with wiring grommets along countertops with knee spaces underneath. Space at 36 inches maximum, with a minimum of one opening per knee space.
- B. Plastic Laminate Casework Construction:
1. Fabricate casework in accordance with NAAWS standard section 10; custom grade.
  2. Design: NAAWS Flush Overlay design, unless indicated otherwise. Joint between exposed doors, drawer faces, and countertop edges shall be 1/8 inch plus or minus 1/16.
  3. Exposed Surfaces: Plastic laminate clad with matching PVC edging, unless otherwise indicated; provide hardwood trim at locations indicated.
  4. "Inside" Exposed Surfaces of Shelving Units and Cabinets Without Doors: Plastic laminate finished board, with exposed edges banded with plastic laminate self edging or PVC tape to match face color.
  5. Semi-Exposed Surfaces: Prefinished board, unless indicated otherwise.
  6. Provide vertical grade plastic laminate, except use general purpose grade at countertops.
  7. Backs of Doors and Drawers: Plastic laminate.. Particleboard shall be minimum 3/4" thick unless indicated otherwise. Shelves shall be 1" thick, minimum.
- C. ~~Transparent Finish Wood Casework Construction:~~
1. ~~Fabricate transparent finish wood casework in accordance with NAAWS standard section 400; "Premium" grade.~~
  2. ~~Fabricate wood casework with wood veneer over medium density particleboard. Provide solid wood edging at veneer panels.~~
  3. ~~Veneers shall be as follows:~~
    - a. ~~Fabricate each panel from sequential flitches.~~
    - b. ~~Book match veneers.~~
    - c. ~~Provide no veneer end joints within each panel.~~
    - d. ~~Provide grain direction as indicated.~~
  4. ~~Where veneers are indicated to be single piece or slip matched leaves for each panel, adjoining panels shall be end matched and/or slip matched as appropriate.~~
- D. ~~Plastic Laminate Countertops:~~
1. ~~Fabricate countertops from particleboard and general purpose grade plastic laminate in the shapes indicated.~~
  2. ~~Where countertops are indicated with sinks, use exterior grade plywood in lieu of particleboard.~~
- E. ~~Stainless Steel Countertops and Backsplashes:~~
1. ~~Fabricate from minimum 16 gage type 304 or 316 stainless steel to the configurations indicated.~~

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2. ~~Fabricate each countertop in one piece to the greatest extent possible.~~
  3. ~~Provide welded seamless corners and joints; grind all welds smooth to match adjacent surfaces.~~
  4. ~~Provide turned down fronts and exposed sides; integral back splashes with 3/8 inch radius.~~
  5. ~~Fabricate countertops with three formed stainless steel channels welded underneath for support.~~
  6. ~~Spray on sound deadening to the underside of the countertops.~~
  7. ~~Finish: #4 finish.~~
- F. ~~Wall and Closet Shelf Fabrication:~~
1. ~~Fabricate from plastic laminate finished particleboard; edge banded with matching plastic laminate edging unless indicated otherwise.~~
  2. ~~Fabricate from prefinished board; edge banded with matching PVC edging unless indicated otherwise.~~
  3. ~~Provide minimum 3/4 inch thick shelves, except provide thicker shelves as required to support the loads and spans indicated without significant deflection.~~
- G. Hardware:
1. Unless otherwise shown or specified, all drawers shall be equipped with standard full extension slides.
  2. Install hardware straight and true and in perfect alignment horizontally and vertically with adjacent casework and hardware.
  3. Carefully fit and securely attach cabinet hardware in accordance with manufacturers' printed instructions, and exercise caution not to mar or injure finish surfaces.

2.6 SHOP FINISHING

- A. Shop finish all architectural woodwork wood surfaces. Shop finishing may be implemented in an enclosed on-site location which has a controlled environment for proper ventilation, heating, and cleanliness.
- B. Sand all exposed and semi-exposed wood surfaces smooth, always sanding in the direction of the wood grain.
- C. Sand all exposed transparent finish wood surfaces to NAAWS "Premium " grade standards. Sand all semi-exposed transparent or opaque finish wood surfaces to NAAWS "Custom" grade standards.
- D. Fill all depressions and imperfections with color matched putty, except imperfections shall not exceed NAAWS Premium grade standards.
- E. Transparent Finish Coating: Spray apply in accordance with NAAWS finishing system, Premium Grade Waterborne Conversion Varnish; satin sheen. Final coat shall be field applied.
- F. Transparent Finish Coating: Spray apply in accordance with NAAWS finishing system, Premium Grade Catalyzed Lacquer; satin sheen. Final coat shall be field applied.
- G. Transparent Finish Coating:
  1. Spray apply low VOC polyurethane in accordance with the manufacturer's recommendations.
  2. Apply a minimum of 3 coats; 1 thin coat gloss, 2 coats satin sheen.
- H. Opaque Finish Coating: Spray apply in accordance with NAAWS finishing system, Custom Grade Catalyzed Lacquer; satin sheen.

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PART 3 EXECUTION

3.1 EXAMINATION

- A. Prior to starting work, carefully inspect installed work of other trades and verify that such work is complete to the point where work of this Section may properly commence. Notify the Architect in writing of conditions detrimental to the proper and timely completion of the work.
- B. Do not begin installation until all unsatisfactory conditions are resolved. Beginning work constitutes acceptance of site conditions and responsibility for defective installation caused by prior observable conditions.

3.2 PREPARATION

- A. Coordinate the installation of blocking and other supports required for the installation of architectural woodwork elements.

3.3 ~~VENEER PANELING~~

- A. ~~Install paneling as indicated in accordance with NAAWS Section 8 Premium grade standards.~~
- B. ~~Install wood paneling over wall surfaces by concealed clips, hangers, or blind fasteners, unless approved otherwise.~~
- C. ~~Where cleat systems are used to anchor paneling, provide fire blocking in both vertical and horizontal directions 8 feet on center maximum, or as required by code.~~
- D. ~~Cut and fit each panel to its particular position including cutting around items which cannot be remounted to panel face, and predrilling for holes for wire access for electrical devices to be mounted on the panel face.~~

3.4 CASEWORK INSTALLATION

- A. Coordinate casework installation with work of other trades for final electrical and mechanical connections.
- B. Install all casework accurately, plumb, square, and level, and permanently secured in precise position as indicated on the Drawings. Casework shall be scribed to adjacent surfaces as follows:
  - 1. Countertops and splashes to wall surfaces.
  - 2. Cabinet endwalls and other exposed surfaces to walls.
  - 3. Cabinet bases to floors.
- C. The casework installation shall be made complete with all required fastenings, clip angles, braces, anchors, adjustable levelers, and other fittings as required to render the work rigid and secure.
- D. All fasteners securing casework shall be in concealed or semi-concealed locations, unless approved otherwise.
- E. Avoid damaging finished surfaces. Repair or replace all damaged materials and surfaces in a manner approved by the Architect.
- F. Upon completion of work, and in the Architect's presence, demonstrate hardware to work freely as intended.

3.5 BANQUETTE INSTALLATION

- A. Install banquette accurately, plumb, square, and level, and permanently secured in precise position as indicated on the Drawings. Scribe to adjacent construction.
- B. All fasteners securing banquette shall be in concealed or semi-concealed locations, unless approved otherwise.

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- C. Avoid damaging finished surfaces. Repair or replace all damaged materials and surfaces in a manner approved by the Architect.

3.6 DOOR AND RELITE FRAMES

- A. Install wood door frames to receive operable doors in accordance with 087300.
- B. Install in accordance with the applicable requirements specified for standing and running trim.
- C. Glaze relite frames and fix in position with wood stops as indicated.
- D. Provide wood support framing and nailers.

3.7 SITE FINISHING FOR SHOP FINISHED ELEMENTS

- A. Apply wood filler to exposed fastener indentations and other minor imperfections.
- B. Use matching wood filler at surfaces with shop applied transparent finishes.
- C. Items which have been shop finished shall be retouched as necessary to conceal all damage and blemishes. Items which cannot be successfully repaired shall be replaced with new complying items.

3.8 SITE FINISHING

- A. Apply wood filler to exposed fastener indentations and other minor imperfections. Use matching wood filler at surfaces with transparent finishes.
- B. Sand all exposed and semi-exposed wood surfaces smooth, always sanding in the direction of the wood grain.
- C. Sand all exposed transparent finish wood surfaces to NAAWS "Premium " grade standards.
- D. Spray apply top coat to match the shop applied finishes.

3.9 CLEANING UP

- A. Keep the premises in a neat, safe, and orderly condition at all times during execution of this portion of the work, free from accumulation of sawdust, cut-ends, and debris.
- B. At the end of each working day, or more often if necessary, thoroughly sweep and/or vacuum surfaces. Remove the refuse to the area of the job site set aside for its storage.

END OF SECTION

RFP #22-23/15 Library Shelving Millwork 12.28.22 (Addendum 1 12.29.22) La Pine Library (See Appendix 4-La Pine Shelving Bid Set)													Appendix 6 Detailed Cost Proposal		
COLLECTION TYPE FOR PRICING	Shelving Type FOR IDENTIFICATION ONLY (per drawings-Vendor to Verify))	COLLECTION TYPE	COLLECTION ABBV	ROOM NUMBER	1 TOP + 2 END PANELS Unit Price	CENTER PANEL UNIT PRICE	Freight	Delivery	Profit & Overhead	1 TOP + 2 END PANELS Unit Price Inclusive	Total Quantity Center Panels	Total QUANTITY TOP & END Panels (per drawings)	Extended price (Total top & end panels x unit price inclusive) Excludes Center panels	Notes	
JUVENILE	361142-35	JUVENILE FICTION	J-FIC	109											
	301142-35	JUVENILE FICTION	J-FIC	109											
	S360942-35	JUVENILE FICTION	J-FIC	109											
	D361142-35	JUVENILE FICTION	J-FIC	109											
	361142-35	JUVENILE PICTURE	J-PIC	109											
	301142-35	JUVENILE PICTURE	J-PIC	109											
	S361242-35	JUVENILE PICTURE	J-PIC	109											
												Sub-total			
DISPLAY & BROWSE	D361142-35	HOT READS	HR	113											
	D361142-35	MEDIA	MEDIA	113											
												Sub-total			
TEEN	S301172-55	NEW TITLES	TEEN	113A											
	S301172-55	TEEN	TEEN	113A											
												Sub-total			
ADULTS	S361172-55	FICTION	FIC	113B											
	D361166-55	FICTION	FIC	113B											
	D361172-55	LARGE PRINT	LG	113B											
	D361166-55	NON FICTION	NF	113B											
												Sub-total			
Display Components							Unit Price	Freight	Delivery	Profit & Overhead	Unit Price Inclusive	Quantity (per drawings)	Extended Price (Quantity x Unit Price Inclusive)	Notes	
Display A-Mobile Picture Book Bins															
Display B-Mobile Shelving/Adjustable shelves															
Display C-Display Towers															
Display D-Display Tables															
Display E-Library of Things															
												Sub-total			
Miscellaneous Components							Unit Price	Freight	Delivery	Profit & Overhead	Unit Price Inclusive	Quantity (per drawings)	Extended Price (Quantity x Unit Price Inclusive)	Notes	
Display Toppers															
Wood Cubbies															
Cart Parking															
Wedge															
Other (list)															
												Sub-Total			
												Total: Shelving + Display Components + Miscellaneous Components		La Pine Library	
	POTENTIAL SAVINGS:	PROVIDE DETAILS													
	Deduct for fixed/not mobile display units. Savings per unit														
	Savings/multiple units														
	Other (list)														
RFP #22-23/15 Library Shelving Millwork 12.28.22 (Addendum 1 12.29.22) Sisters Library (See Appendix 5-Sisters Shelving Bid Set)													Appendix 6 Detailed Cost Proposal		
COLLECTION TYPE FOR PRICING	Shelving Type FOR IDENTIFICATION ONLY (per drawings-Vendor to Verify))	COLLECTION TYPE	COLLECTION ABBV	ROOM NUMBER	1 TOP + 2 END PANELS Unit Price	CENTER PANEL UNIT PRICE	Freight	Delivery	Profit & Overhead	1 TOP + 2 END PANELS Unit Price Inclusive	Total Quantity Center Panels	Total QUANTITY TOP & END Panels (per drawings)	Extended price (Total top & end panels x unit price inclusive) Excludes Center panels	Notes	
JUVENILE	S361142-35	JUVENILE FICTION	J-FIC	107											
	D361142-35	JUVENILE FICTION	J-FIC	107											
	S361142-35	JUVENILE NON FICTION	J-NF	107											
	S360942-35	JUVENILE PICTURE	J-PIC	107											
	D361242-35	JUVENILE PICTURE	J-PIC	107											
TEEN	S301172-55	NEW TITLES	TEEN	109											
	S301172-55	TEEN	TEEN	109											
ADULTS	D361166-55	FICTION	FIC	112											
	S361172-55	LARGE PRINT	LG	112											
	S361142-35	MEDIA	MEDIA	112											
	S361172-55	NON FICTION	NF	112											
	D361166-55	NON FICTION	NF	112											
DISPLAY & BROWSE	D361142-35	HOT READS	HR	113											
												Sub-total			
Display Components							Unit Price	Freight	Delivery	Profit & Overhead	Unit Price Inclusive	Quantity (per drawings)	Extended Price (Quantity x Unit Price Inclusive)	Notes	
Display A-Mobile Picture Book Bins															
Display B-Mobile Shelving/Adjustable shelves															
Display C-Display Towers															
Display D-Display Tables															
Display E-Library of Things															
												Sub-total			
Miscellaneous Components							Unit Price	Freight	Delivery	Profit & Overhead	Unit Price Inclusive	Quantity (per drawings)	Extended Price (Quantity x Unit Price Inclusive)	Notes	
Display Toppers															
Wood Cubbies															
Cart Parking															
Wedge															
Other (list)															
												Sub-total			
												Total: Shelving + Display Components + Miscellaneous Components		Sisters Library	
	POTENTIAL SAVINGS:	PROVIDE DETAILS													
	Deduct for fixed/not mobile display units. Savings per unit														
	Savings/multiple units														
	Other (list)														
												Total: Shelving + Display Components + Miscellaneous Components		Both Libraries Combined	
This Exhibit provided for proposer's information. It is proposer's sole responsibility to verify all formulas, shelving plans, module information, etc.															