Joplin Public Library Furniture Bid Package (Rebid) Addendum #1
OPN Project #: 14289000 March 1, 2017
EDA #: 05-79-05345

To: Proposal Document Holders of Record

The information contained in this Addendum modifies, supplements or replaces information contained in the Furniture Bid Package and on the Drawings and is hereby made a part of the Contract Documents.

GENERAL ITEMS

The following questions were asked during the bidding process. The responses immediately follow each question.

1. **Question:** Can you provide the dimensions for the custom curved shelving CT-2 and CT-3?
   Response: Yes – please see the attached shop drawings for shelving types SH-5a and SH-5b. Please use these sizes as a baseline for pricing. The awarded vendor shall coordinate the final canopy top sizes with the shelving manufacturer.

2. **Question:** Can you provide clarification on the installation dates for the casework, end panels, and canopy tops?
   Response: The canopy tops and end panels shall be installed by April 15th, 2017. The remaining casework shall be installed by May 1st, 2017. Once a vendor has been awarded, a phased schedule will be established based on the priority of the different types of casework.

FURNITURE BID PACKAGE

Specifications

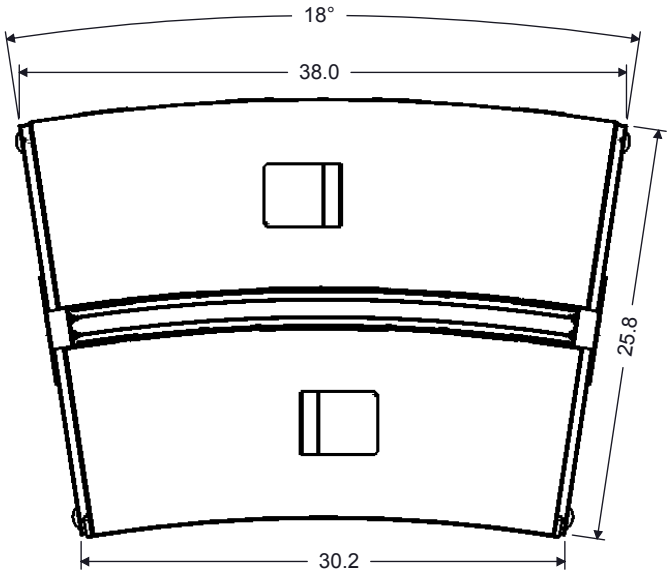
1. Attached are upfront construction specifications for the casework portion of the package.

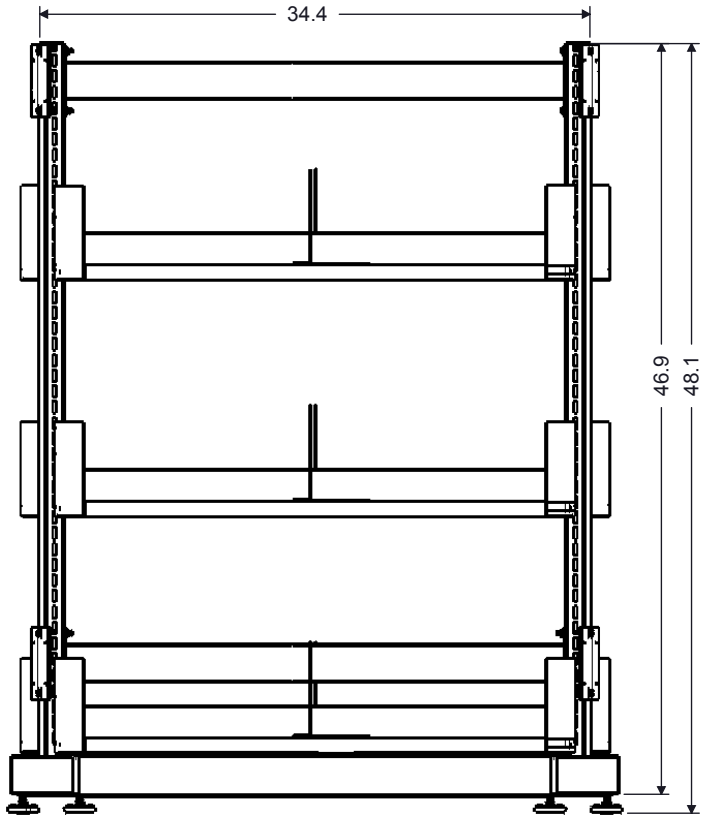
A702

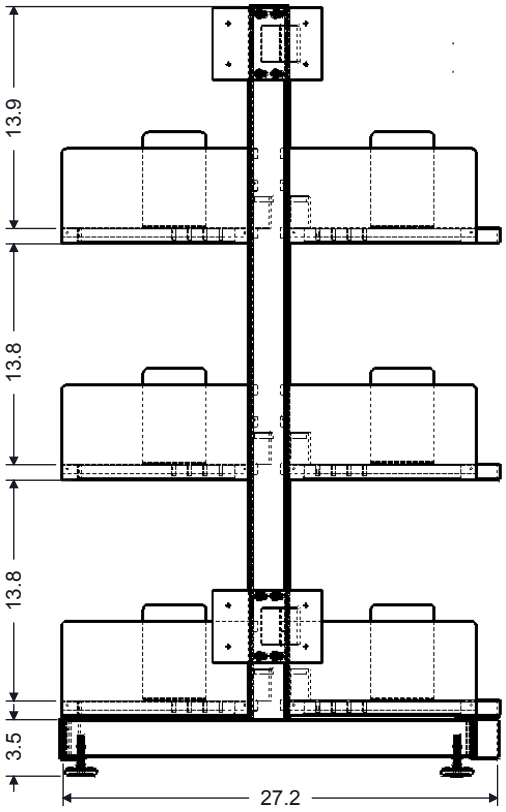
1. Polymer Resin PR-2 has been revised on the Materials List on A702.

End of Addendum #1

SH-5a



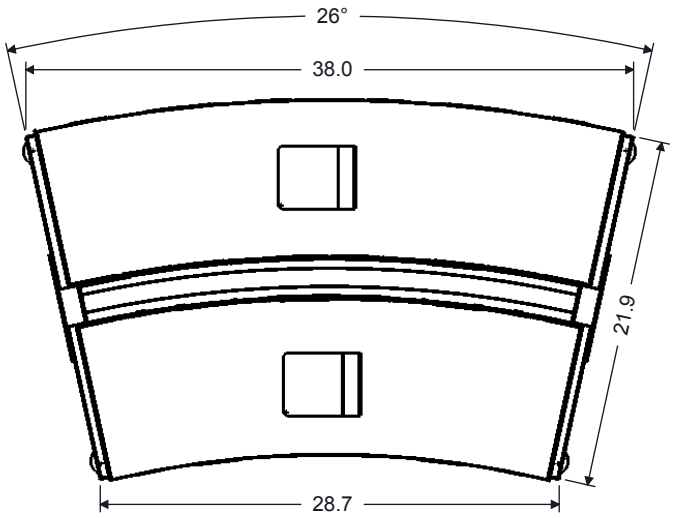


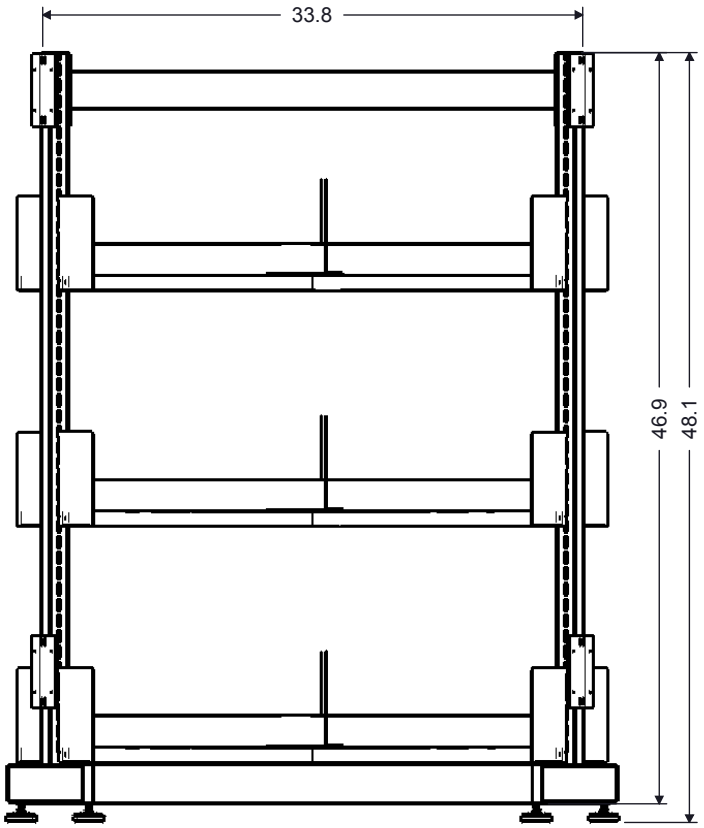


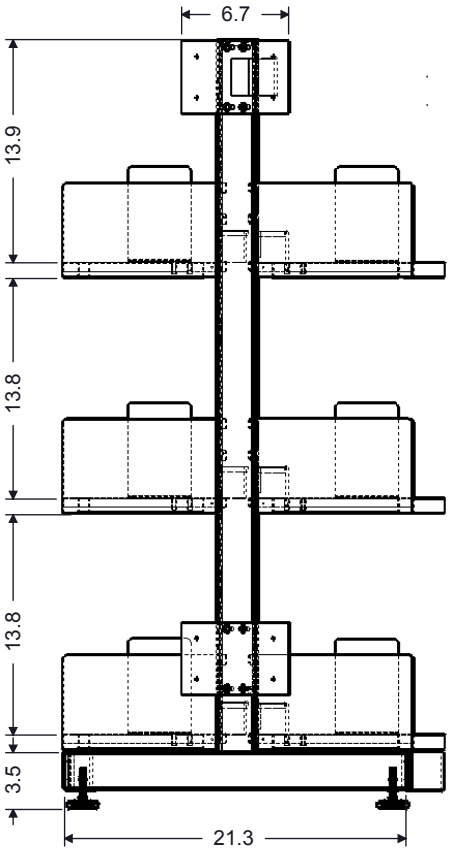
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TOLERANCE		DESCRIPTION:				
STANDARD mm. in. X. +/-.2 +/-0.080 X.X +/-.1 +/-0.040 X.XX +/-.5 +/-0.020	PROJECTION THIRD ANGLE	SH-5A D.F. STARTER 48 X 36 X 12/12 Joplin Public Library				
		SECTION: P.10	QTY: P.3	CODE: X204812	COLOR: 201	QUOTATION: QT-000086-0845
THIS DRAWING IS PROPERTY OF ESCATO S.A. DE C.V. AND IT CANNOT BE REPRODUCED COMPLETE OR IN PARTS WITHOUT PERMISSION	Linear tolerances: (do not apply in perforations) unless than another tolerance is specified	DRAWING: MAGM	DATE: 20/02/017	SCALE: 1:20	DIM: IN	FID02-07

SH-5b







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TOLERANCE		DESCRIPTION:				
STANDARD mm. in. X. +/-.2 +/-0.080 X.X +/-.1 +/-0.040 X.XX +/-.5 +/-0.020	PROJECTION THIRD ANGLE	SH-5B D.F. STARTER 48 X 36 X 10/10 Joplin Public Library				
		SECTION: P.12	QTY: P.3	CODE: X204810	COLOR: 201	QUOTATION: QT-000086-0845
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JOPLIN PUBLIC LIBRARY FURNITURE BID PACKAGE (REBID)
Joplin, Missouri
OPN Project #: 14289000
EDA #: 05-79-05345

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SECTION 06 10 10 - INTERIOR ROUGH CARPENTRY

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Fire retardant treated wood materials.

B. Concealed wood blocking, nailers, and supports.

C. Miscellaneous wood nailers, furring, and grounds.

1.2 RELATED REQUIREMENTS

A. Drawings and general provisions of the Contract, including:
1) Standard General Instructions to Bidders - City of Joplin, 2) Special Instructions to Bidders - City of Joplin, 3) General Conditions for Building Projects – City of Joplin and 4) Special Provisions - City of Joplin and other Division 01 Specification Sections, apply to this Section.

B. Section 07 72 13 - Water Barrier Membrane: Water shedding barrier over sheathing.

1.3 REFERENCE STANDARDS

A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2014.

B. AWPA U1 - Use Category System: User Specification for Treated Wood; American Wood Protection Association; 2012.

C. PS 20 - American Softwood Lumber Standard; National Institute of Standards and Technology, Department of Commerce; 2010.

1.4 SUBMITTALS

A. Product Data: Provide technical data on fire retardant treatment.

B. Manufacturer's Certificate: Certify that wood products supplied for rough carpentry meet or exceed specified requirements.

1.5 DELIVERY, STORAGE, AND HANDLING

A. General: Cover wood products to protect against moisture. Support stacked products to prevent deformation and to allow air circulation.

B. Fire Retardant Treated Wood: Prevent exposure to precipitation during shipping, storage, or installation.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Where specific products are listed, other products may be acceptable, subject to compliance with requirements.

2.2 GENERAL REQUIREMENTS

A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.
1. If no species is specified, provide any species graded by the agency specified; if no grading agency is specified, provide lumber graded by any grading agency meeting the specified requirements.
2. Grading Agency: Any grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee (www.alsc.org) and who provides grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated.

B. Lumber fabricated from old growth timber is not permitted.

2.3 DIMENSION LUMBER

A. Moisture Content: S-dry or MC19.

B. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring:
1. Lumber: S4S, No. 2 or Standard Grade.
2. Boards: Standard or No. 3.

3. Speicies: Douglas fir or yellow pine.

2.4 CONSTRUCTION PANELS

A. Plywood Blocking: PS 1, C-D Plugged or better.

2.5 ACCESSORIES

A. Fasteners and Anchors:
   1. Metal and Finish: Stainless steel for high humidity and preservative-treated wood locations, unfinished steel elsewhere.

2.6 FACTORY WOOD TREATMENT

A. Treated Lumber and Plywood: Comply with requirements of AWPA U1 - Use Category System for wood treatments determined by use categories, expected service conditions, and specific applications.
   1. Fire-Retardant Treated Wood: Mark each piece of wood with producer's stamp indicating compliance with specified requirements.

B. Fire Retardant Treatment:
   1. Manufacturers:
      a. Arch Wood Protection, Inc: www.wolmanizedwood.com.
      b. Hoover Treated Wood Products, Inc: www.frtw.com.
      c. Osmose, Inc: www.osmose.com.
   2. Interior Type A: AWPA U1, Use Category UCFA, Commodity Specification H, low temperature (low hygroscopic) type, chemically treated and pressure impregnated; capable of providing a maximum flame spread rating of 25 when tested in accordance with ASTM E84, with no evidence of significant combustion when test is extended for an additional 20 minutes.
      a. Kiln dry wood after treatment to a maximum moisture content of 19 percent for lumber and 15 percent for plywood.
      b. All interior rough carpentry items are to be fire retardant treated.
      c. Do not use treated wood in applications exposed to weather or where the wood may become wet.

PART 3 EXECUTION

3.1 PREPARATION

A. Coordinate installation of rough carpentry members specified in other sections.

3.2 INSTALLATION - GENERAL

A. Select material sizes to minimize waste.

B. Reuse scrap to the greatest extent possible; clearly separate scrap for use on site as accessory components, including: shims, bracing, and blocking.

C. Where treated wood is used on interior, provide temporary ventilation during and immediately after installation sufficient to remove indoor air contaminants.

3.3 BLOCKING, NAILERS, AND SUPPORTS

A. Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.

B. In framed assemblies that have concealed spaces, provide solid wood fireblocking as required by applicable local code, to close concealed draft openings between floors and between top story and roof/attic space; other material acceptable to code authorities may be used in lieu of solid wood blocking.

C. In metal stud walls, provide continuous blocking around door and window openings for anchorage of frames, securely attached to stud framing.

D. In walls, provide blocking attached to studs as backing and support for wall-mounted items, unless item can be securely fastened to two or more studs or other method of support is explicitly indicated.

E. Where ceiling-mounting is indicated, provide blocking and supplementary supports above ceiling, unless other method of support is explicitly indicated.

F. Specifically, provide the following non-structural framing and blocking:
   1. Cabinets and shelf supports.
   2. Wall brackets.
   3. Wall paneling and trim.

3.4 TOLERANCES

A. Framing Members: 1/4 inch from true position, maximum.

B. Variation from Plane (Other than Floors): 1/4 inch in 10 feet maximum, and 1/4 inch in 30 feet maximum.

3.5 CLEANING

A. Waste Disposal:
   1. Comply with applicable regulations.
   2. Do not burn scrap on project site.

B. Do not leave any wood, shavings, sawdust, etc. on the ground or buried in fill.

C. Prevent sawdust and wood shavings from entering the storm drainage system.

END OF SECTION

SECTION 06 41 00 - ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Specially fabricated cabinets and casework.

B. Cabinet hardware.

C. Shop finishing.

D. Preparation for installing utilities.

1.2 RELATED REQUIREMENTS

A. Drawings and general provisions of the Contract, including:
1) Standard General Instructions to Bidders - City of Joplin, 2) Special Instructions to Bidders - City of Joplin, 3) General Conditions for Building Projects – City of Joplin and 4) Special Provisions - City of Joplin and other Division 01 Specification Sections, apply to this Section.

B. Section 12 36 00 - Countertops.

1.3 REFERENCE STANDARDS

A. BHMA A156.9 - American National Standard for Cabinet Hardware; 2010.

B. AWI/AWMAC (AWS) - Architectural Woodwork Standards, Eighth Edition.

C. BHMA A156.9 - American National Standard for Cabinet Hardware; Builders Hardware Manufacturers Association; 2010 (ANSI/BHMA A156.9).

1.4 SUBMITTALS

A. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.

B. Product Data: Provide data for hardware accessories.

C. Samples: Submit actual samples of architectural cabinet construction, minimum 12 inches square, illustrating proposed cabinet, countertop, and shelf unit substrate and finish.

D. Samples: Submit actual sample items of proposed pulls, hinges, shelf standards, and locksets, demonstrating hardware design, quality, and finish.

1.5 QUALITY ASSURANCE

A. Fabricator Qualifications: Company that follows AWI's "Architectural Woodwork Quality Standards", specializing in fabricating the products specified in this section with minimum seven years of documented experience. Shop that employs skilled workers who custom-fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.
1. Fabricator of this section must also provide work specified in Division 12 Section "Countertops".

B. Quality Standards: Unless otherwise indicated, comply with AWI's "Architectural Woodwork Quality Standards."

1.6 DELIVERY, STORAGE, AND HANDLING

A. Protect units from moisture damage.

1.7 FIELD CONDITIONS

A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

B. Field Measurements: Where cabinets are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
   1. Locate concealed framing, blocking, and reinforcements that support cabinets by field measurements before being enclosed, and indicate measurements on Shop Drawings.

1.8 COORDINATION

A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to ensure that wood-veneer-faced architectural cabinets can be supported and installed as indicated.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Where specific products are listed, other products may be acceptable, subject to compliance with requirements.

2.2 CASEWORK

A. Quality Grade: Unless otherwise indicated provide products of quality specified by AWI Architectural Woodwork Standards for Premium Grade.

B. Wood Veneer Faced Cabinets and Casework:
   1. Exposed Surfaces: Grade A, slip matched.
      a. Species and Cut: Refer to Material List on Drawing Sheet A702.

C. Plastic Laminate Faced Cabinets: Custom grade.

D. Wood Veneer Cabinets and Casework:
   1. Finish - Exposed Exterior Surfaces: Wood veneer.
   2. Finish - Exposed Interior and Concealed Surfaces: Thermoset decorative laminate panels.
   3. Finish - Interior cabinet surfaces for cabinets with with Glass in Doors: Wood veneer.
   4. Finish - Drawer Subfronts, Backs, Sides and Bottoms: Thermoset decorative laminate panels.
   5. Provide same finish on both sides of all panels. If different finishes are indicated for each side of finished panels, provide back to back layers.
   6. Door and Drawer Front Edge Profiles: Square edge with thick applied band.
   7. Interface Style for Cabinet and Door: Style 1 - Overlay; flush overlay.
   8. Grain Direction: Vertical on all surfaces, except drawers shall be horizontal, unless otherwise indicated on drawings.
   9. Grained Face Layout for Cabinet and Door Fronts: Flush panel.
   10. Adjustable Shelf Loading: 50 lbs. per sq. ft.
      a. Shelving shall be 1" thick minimum.
   11. Cabinet Style: Flush overlay.
   12. Veneer Matching within Panel Face: Center-balance match.
   13. Cabinet Doors and Drawer Fronts: Flush style.
   14. Drawer Construction: Fabricate with exposed fronts fastened to subfront with mounting screws from interior of body.
      a. Join subfronts, backs, and sides with glued dovetail joints.
   15. Provide dust panels of ¼ inch plywood or tempered hardboard above compartments and drawers, unless located directly under tops.

E. Plastic Laminate Cabinets and Casework:
   1. Cabinet Construction: Flush overlay.
   2. Laminate Cladding for Exposed Surfaces: High-pressure decorative laminate as follows:
      a. Laminate Grade: HGS.
   3. Edge Treatment for doors and drawers: PVC edge banding, 3 mm thickness, matching laminate in color, pattern, and finish.
   4. Materials for Semiexposed Surfaces Other Than Drawer Bodies: Thermoset decorative panels.

5. Drawer Sides and Backs: Thermoset decorative panels.
6. Drawer Bottoms: Thermoset decorative panels.
7. Colors, Patterns, and Finishes: Refer to Material List on Drawing Sheet A702.
8. Adjustable Shelf Loading: 50 lbs. per sq. ft.
   a. Shelving shall be 1" thick minimum.
9. Core Material: Industrial Grade, Medium Density Fiberboard. Use exterior grade plywood for core material at sinks.
10. Drawer Construction: Fabricate with exposed fronts fastened to subfront with mounting screws from interior of body.
    a. Join subfronts, backs, and sides with glued dovetail joints.
11. Provide dust panels of 1/4-inch plywood or tempered hardboard above compartments and drawers, unless located directly under tops.

2.3 WOOD-BASED COMPONENTS

A. Wood fabricated from old growth timber is not permitted.

B. Composite Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of woodwork and quality grade specified unless otherwise indicated.
   1. Medium-Density Fiberboard: ANSI A208.2, Grade 130, made with binder containing no urea formaldehyde.
   2. Veneer-Faced Panel Products (Hardwood Plywood): HPVA HP-1, with wood veneer or medium density fiberboard cores, made with adhesive containing no urea formaldehyde.
   3. Thermoset Decorative Panels: Medium-density fiberboard finished with thermally fused, melamine-impregnated decorative paper and complying with requirements of NEMA LD 3, Grade VGL, for test methods 3.3, 3.4, 3.6, 3.8, and 3.10.
   4. Particleboard is not allowed.

C. Hardwood Edgebanding: Use solid hardwood edgebanding matching species, color, grain, and grade for exposed portions of cabinetry.

2.4 ACCESSORIES

A. Adhesive: Type recommended by fabricator to suit application.

B. Metal Sheet: Refer to Drawing Sheet A702 for materials, gauge and finish.

C. Aluminum Base: Refer to Drawing Sheet A702.

D. Auminum Trim: Refer to Drawing Sheet A702.

E. Vinyl Base: Refer to Drawing Sheet A702.

F. Polymer Resin Panels: Refer to Drawing Sheet A702.

G. Grommets: Standard plastic grommets for cut-outs, with notched cap, in color to match adjacent surface.

2.5 HARDWARE

A. Hardware: BHMA A156.9, types as recommended by fabricator for quality grade specified.

B. Adjustable Shelf Supports: Standard side-mounted system using multiple holes for pin supports and coordinated self rests, satin chrome finish, for nominal 1 inch spacing adjustments. Provide shelf supports with molded vinyl covers at glass shelves.

C. Drawer and Door Pulls: Stainless steel, back mounted, solid metal, 5 inches long, 1-1/2 inches deep, and 5/16 inch in diameter.

D. Cabinet Locks: Keyed cylinder, two keys per lock, master keyed, steel with satin finish.

E. Drawer Slides:
   1. Type: Full extension.
   2. Static Load Capacity: Heavy Duty grade.
   3. Mounting: Side mounted.
   4. Steel ball bearings.
   5. Provide all screws and mounting brackets.

6. Manufacturers:
   a. Accuride International, Inc: www.accuride.com.
   b. Knape & Vogt Manufacturing Company: www.knapeandvogt.com.

F. Hinges: European style concealed self-closing type, 120 degree, steel with satin finish.
   1. Product:
      a. Julius Blum, Inc CLIP top hinges: www.blum.com

G. LED Lighting: Coordinate with electrical drawings for locations for built in LED lighting.

H. Utility Shelving:
   1. Grade: Custom.
   2. Shelf Material: 3/4 inch melamine faced panel product with matching melamine edge.
   3. Shelf Supports:
      a. Provide one of the following:
         1) Knap & Vogt; 87 Standards with 187 Brackets.
         2) Granger; 1WDP Standards with 1WDP Brackets.
      b. Finish: White (powdercoat paint) or Anochrome (electrozinc-plated and clear lacquered cold rolled steel) as selected by the Architect.
      c. Bracket and Standard Metal Thickness: 12 gauge.
      d. Size: Provide brackets for shelf depths and spacing as indicated on drawings, if spacing is not indicated, provide the following:
         1) Standards: 2 standards for shelves 3 feet or less, 1 additional standard for each additional 3 foot shelf length.
         2) Brackets: Provide 1 bracket at every shelf.

I. Bumper Pads: ¼" diameter neoprene, adhesively applied to cabinet body at contact points for doors and drawers.

2.6 FABRICATION

A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.

B. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.

C. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 2 feet from sink cut-outs.
   1. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces not exposed to view.

D. Matching Wood Grain: Comply with requirements of quality standard for specified Grade and as follows:
   1. Provide balance matched panels at each elevation.

E. Provide cutouts for plumbing fixtures. Verify locations of cutouts from on-site dimensions. Prime paint cut edges.

F. Polymer Resin Panels: omply with material manufacturer's written recommendations for fabrication.

2.7 SHOP FINISHING

A. Sand work smooth and set exposed nails .

B. On items to receive transparent finishes, use wood filler matching or blending with surrounding surfaces and of types recommended for applied finishes.

C. Finish work in accordance with AWI/AWMAC/WI (AWS), Section 5 - Finishing for grade specified and as follows:
   1. Transparent:

a. System - 5, Varnish, Conversion.
b. Stain and Sheen: Match Architect's sample.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify adequacy of backing and support framing.

B. Verify location and sizes of utility rough-in associated with work of this section.

3.2 INSTALLATION

A. Before installation, condition woodwork to average prevailing humidity conditions in installation areas. Examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.

B. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.

C. Grade: Install woodwork to comply with requirements for the same grade specified in Part 2 for fabrication of type of woodwork involved.

D. Install woodwork level, plumb, true, and straight to a tolerance of 1/8 inch in 96 inches. Shim as required with concealed shims.

E. Scribe and cut woodwork to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.

F. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing as required for complete installation. Use fine finishing nails for exposed fastening, countersunk and filled flush with woodwork and matching final finish if transparent finish is indicated.

G. Cabinets: Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation.
1. Fasten wall cabinets through back, near top and bottom, at ends and not more than 16 inches o.c. with No. 10 wafer-head screws sized for 1-inch penetration into wood framing, blocking, or hanging strips.

3.3 ADJUSTING

A. Adjust moving or operating parts to function smoothly and correctly.

3.4 CLEANING

A. Clean casework, counters, shelves, hardware, fittings, and fixtures.

END OF SECTION

SECTION 06 42 16 - WOOD-VENEER PANELING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Custom wood veneer paneling.

B. Solid wood panel trim.

1.2 RELATED REQUIREMENTS

A. Drawings and general provisions of the Contract, including:
1) Standard General Instructions to Bidders - City of Joplin, 2) Special Instructions to Bidders - City of Joplin, 3) General Conditions for Building Projects – City of Joplin and 4) Special Provisions - City of Joplin and other Division 01 Specification Sections, apply to this Section.

1.3 REFERENCE STANDARDS

A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014.

B. HPVA HP-1 - American National Standard for Hardwood and Decorative Plywood; Hardwood Plywood & Veneer Association; 2009 (ANSI/HPVA HP-1).

1.4 SUBMITTALS

A. Shop Drawings: Indicate materials, surface graining elevations of sheet paneling, fastening methods, joining methods, and interruptions to other work, to a minimum scale of 1-1/2 inch to 1 ft. Include plan of panel number sequencing.

B. Product Data: Provide data on fire retardant treatment materials and application instructions.

C. Samples: Submit two samples of finished plywood, 18x18 inch in size, illustrating wood grain and specified finish.

D. Samples: Submit two samples of wood trim, 12 inch long.

1.5 QUALITY ASSURANCE

A. Comply with Fabricator Qualifications indicated in Division 6 Section "Architectural Wood Casework". Same fabricator must provide both Division 6 Section "Architectural Wood Casework" and work of this section.

B. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
1. Company with at least one project in the past 5 years with value of woodwork within 20 percent of cost of woodwork for this Project.
2. Single Source Responsibility: Provide and install this work from single fabricator.

C. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum three years of documented experience.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Protect work from moisture damage.

B. Do not deliver wood materials to project site until building is fully enclosed and interior temperature and humidity are in accordance with recommendations of AWI//AWMAC/WI Architectural Woodwork Standards.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Where specific products are listed, other products may be acceptable, subject to compliance with requirement.

2.2 PANELING

A. Quality Grade: Unless otherwise indicated provide products of quality specified by AWI//AWMAC/WI (AWS) for Premium Grade.

B. Flat Paneling:
   1. Species and Cut: Refer to Material List on Drawing Sheet A702.
   2. Panels: Veneer of full width and balanced sequence matched.
   3. Visible Edges and Reveals: Match faces.
   4. Outside Corners: Mitered and splined, unless otherwise detailed on drawings.

2.3 WOOD-BASED MATERIALS - GENERAL

A. Wood fabricated from old growth timber is not permitted.

B. Hardwood Plywood: HPVA HP-1 Grade A; veneer core, type of glue recommended for application; of grain quality suitable for transparent finish.

2.4 ADHESIVES AND FASTENERS

A. Adhesives: Type suitable for intended purpose, complying with applicable air quality regulations.

2.5 ACCESSORIES

A. Acrylic Inserts: Refer to End Panel Drawings for material and details.

2.6 FABRICATION

A. Fabricate to AWI/AWMAC Quality Standards Illustrated Premium quality, of Flush design.

B. Fabricate panels with slip matching between adjacent leaves.

C. For all panels in an single area, provide premanufactured sets selectively reduced in width and doors and other components.

D. Shop prepare and identify panels for grain matching during site erection.

E. Prepare panels for delivery to site, permitting passage through building openings.

F. Finish exposed edges of panels as specified by grade requirements.

G. When necessary to cut and fit on site, provide materials with ample allowance for cutting and scribing.

2.7 SHOP FINISHING

A. Sand work smooth and set exposed nails and screws.

B. Apply wood filler in exposed nail and screw indentations.

C. Finish work in accordance with AWI/AWMAC/WI (AWS), Section 5 - Finishing for grade specified and as follows:
   1. Transparent:
      a. System - 5, Varnish, Conversion.
      b. Stain: Match Architect's sample.

D. Sand work smooth, ready for finishing.

E. Shop finish work in accordance with AWI/AWMAC Architectural Woodwork Quality Standards Illustrated, Section 1500, Conversion Varnish, Transparent.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that field measurements are as indicated on shop drawings.

B. Verify adequacy of backing and support framing.

C. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.

3.2 INSTALLATION

A. Install work in accordance with AWI/AWMAC/WI (AWS) requirements for grade indicated.

B. Do not begin installation until wood materials have been fully acclimated to interior conditions.

C. Set and secure materials and components in place, plumb and level, using concealed fasteners wherever possible.

D. Anchor paneling to supporting substrate with concealed panel-hanger clips.

E. Touch up damaged finish to match original, using materials provided by fabricator; replace components that cannot be refinished like new.

3.3 TOLERANCES

A. Maximum Variation from True Position: 1/16 inch.

B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION

SECTION 12 36 00 - COUNTERTOPS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Countertops and panels for architectural cabinetwork.

1.2 RELATED REQUIREMENTS

A. Drawings and general provisions of the Contract, including
1) Standard General Instructions to Bidders - City of Joplin, 2) Special Instructions to Bidders - City of Joplin, 3) General Conditions for Building Projects – City of Joplin and 4) Special Provisions - City of Joplin and other Division 01 Specification Sections, apply to this Section.

1.3 REFERENCE STANDARDS

A. ANSI A208.2 - American National Standard for Medium Density Fiberboard for Interior Use; 2009.

B. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014.

C. ISFA 2-01 - Classification and Standards for Solid Surfacing Material; International Surface Fabricators Association; 2013.

D. MIA (DSDM) - Dimensional Stone Design Manual; VII, 2007.

E. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.

1.4 SUBMITTALS

A. Product Data: Manufacturer's data sheets on each product to be used, including:
1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Specimen warranty.

B. Shop Drawings: Complete details of materials and installation; combine with shop drawings of cabinets and casework specified in other sections.

C. Verification Samples: For each finish product specified, minimum size 6 inches square, representing actual product, color, and patterns.

D. Test Reports: Chemical resistance testing, showing compliance with specified requirements.

E. Maintenance Data: Manufacturer's instructions and recommendations for maintenance and repair of countertop surfaces.

1.5 QUALITY ASSURANCE

A. Fabricator Qualifications: Same fabricator as for cabinets on which tops are to be installed.

B. Installer Qualifications: Fabricator.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

1.7 FIELD CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Where specific products are listed, other products may be acceptable, subject to compliance with requirements.

2.2 COUNTERTOP ASSEMBLIES

A. Quality Standard: Premium Grade, in accordance with AWI/AWMAC/WI Architectural Woodwork Standards.

B. Natural Quartz and Resin Composite Countertops and Panels: Sheet or slab of natural quartz and plastic resin over continuous substrate.
   1. Flat Sheet Thickness: As indicated on drawings.
   2. Natural Quartz and Resin Composite Sheets, Slabs and Castings: Complying with ISFA-2 and NEMA LD 3; orthopthalic polyester resin, mineral filler, and pigments; homogenous, non-porous and capable of being worked and repaired using standard woodworking tools; no surface coating; color and pattern consistent throughout thickness.
      a. Factory fabricate components to the greatest extent practical in sizes and shapes indicated; comply with the MIA Dimension Stone Design Manual.
      b. Color and Pattern: Refer to drawing sheet A702 for Finish Specification.

2.3 ACCESSORY MATERIALS

A. Counter Supports: Doug Mockett, 18 1/8” Inter-Arc Work Support SWS2. Primer finish.

B. Medium Density Fiberboard for Supporting Substrate: ANSI A208.2.

C. Adhesives: Chemical resistant waterproof adhesive as recommended by manufacturer of materials being joined.

D. Joint Sealant: Mildew-resistant silicone sealant, clear.

2.4 FABRICATION

A. Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.
   1. Join lengths of tops using best method recommended by manufacturer.
   2. Fabricate to overhang fronts and ends of cabinets 1 inch except where top butts against cabinet or wall.
   3. Prepare all cutouts accurately to size; replace tops having improperly dimensioned or unnecessary cutouts or fixture holes.

B. Quartz: Fabricate tops up to 144 inches long in one piece; join pieces with adhesive sealant in accordance with manufacturer's recommendations and instructions. Polish edges of all openings cut in countertop.

PART 3 EXECUTION

3.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

C. Verify that wall surfaces have been finished and mechanical and electrical services and outlets are installed in proper locations.

3.2 INSTALLATION

A. Securely attach countertops to cabinets using concealed fasteners. Make flat surfaces level; shim where required.

B. Seal joint between back/end splashes and vertical surfaces.

3.3 TOLERANCES

A. Variation From Horizontal: 1/8 inch in 10 feet, maximum.

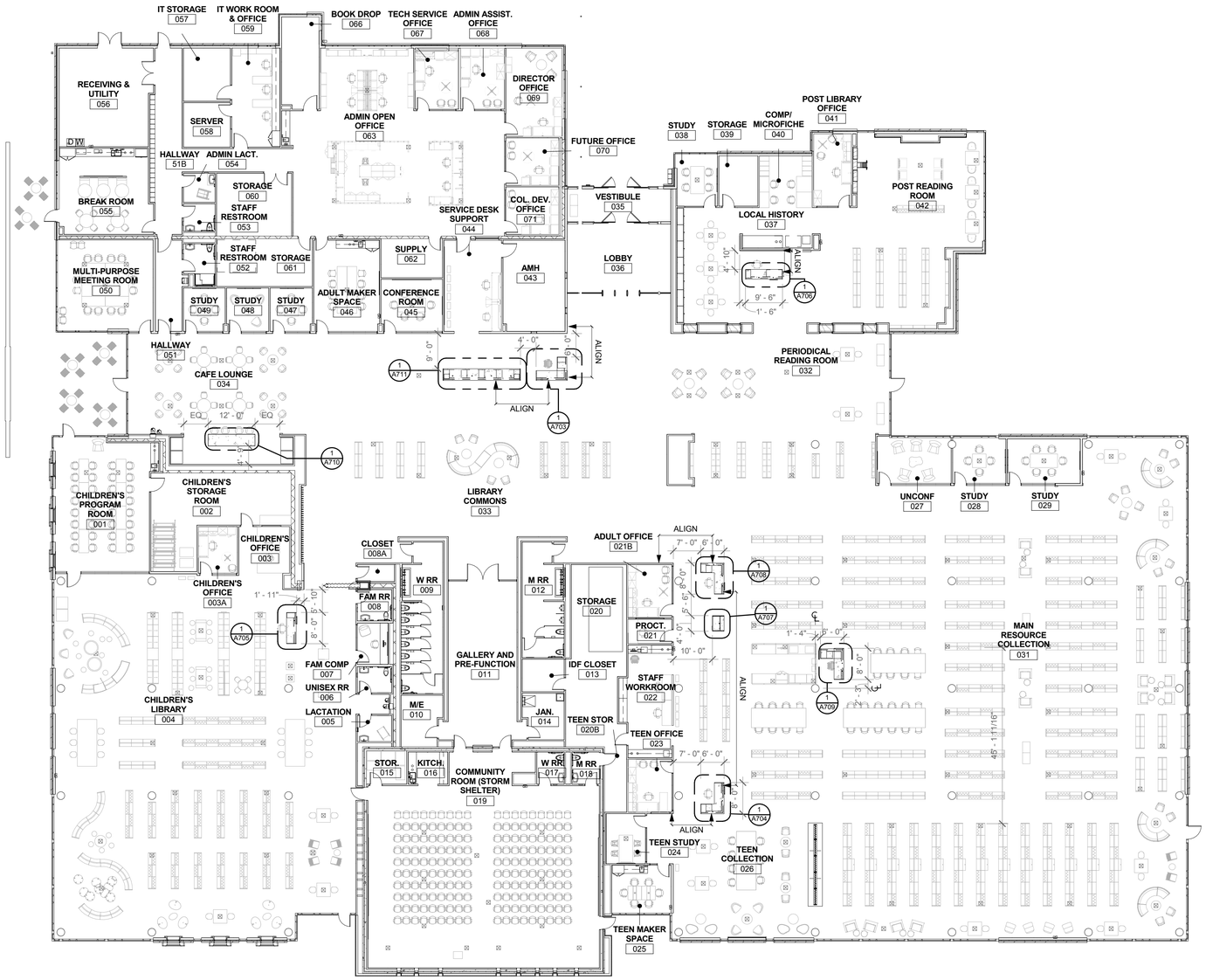
B. Offset From Wall, Countertops: 1/8 inch maximum; 1/16 inch minimum.

C. Field Joints: 1/8 inch wide, maximum.

3.4 CLEANING

A. Clean countertops surfaces thoroughly.

END OF SECTION



1 CASEWORK KEY PLAN

1/16" = 1'-0"

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NOTE: MATERIALS LISTED ARE SPECIFIED AS A BASIS OF DESIGN ONLY. EQUALS MAY BE SUBMITTED AND REVIEWED BY OPN FOR APPROVAL.

MATERIALS LIST

ALUMINUM BASE

AB-1: MANUFACTURER: FRY REGLET
STYLE: REVEAL BASE DRMB-625-400
SIZE: 5/8" DEPTH, 4" HEIGHT

AB-2: MANUFACTURER: FRY REGLET
STYLE: STRAIGHT BASE TO MATCH AB-1
SIZE: 4" HEIGHT

PLASTIC LAMINATE

PL-1: MANUFACTURER: NEVAMAR
COLOR: CHALK WHITE
FINISH: MATTE
APPLICATION: CASEWORK VERTICAL

PL-2: MANUFACTURER: NEVAMAR
COLOR: VALENCIA TEAK
FINISH: MATTE
APPLICATION: CASEWORK VERTICAL

METAL

M-1:TYPE: POWDER COATED STEEL
COLOR: RAL 3003 RUBY RED
FINISH: GLOSS
GAUGE: 12 GAUGE

M-2:TYPE: HOT ROLLED STEEL CLEAR COAT
FINISH: CLEAR SEALANT
GAUGE: 12 GAUGE

M-3:TYPE: FRY REGLET "J"
FINISH: CLEAR ANODIZED ALUMINUM

M-4:TYPE: JULIUS BLOOM 6968 "TEE" OR SIMILAR
FINISH: CLEAR ANODIZED ALUMINUM, EASED EDGES

POLYMER RESIN

PR-2: MANUFACTURER: 3FORM
STYLE: CHROMA
COLOR: POWDER
FINISH: VELLUM/VELLUM (FRONT AND BACK FINISHES); SAND ALL EDGES
GAUGE: 1"
APPLICATION: SELF-CHECK CASEWORK
RFQ: 78652, PID 275367

PR-3: MANUFACTURER: 3FORM
STYLE: VARIA ECORESIN
COLOR: VARIA CONCORD + POMEGRANATE
FINISH: VELLUM - ALL EDGES SANDED
GAUGE: 1"
MOUNTING HARDWARE: HIDDEN POINT ADAPTER PER 3FORM MANUFACTURER SPECIFICATIONS
APPLICATION: DESK PRIVACY PANEL
CONTACT: JONATHAN FELD
612-827-8282
RFQ: 78652, PID 275367

PR-4: MANUFACTURER: 3FORM
STYLE: VARIA ECORESIN
COLOR: TO MATCH P7-6 ON PROJECT
FINISH: VELLUM - ALL EDGES SANDED
GAUGE: 1"
MOUNTING HARDWARE: HIDDEN POINT ADAPTER PER 3FORM MANUFACTURER SPECIFICATIONS
APPLICATION: DESK PRIVACY PANEL

QUARTZ

QZ-1: MANUFACTURER: ZODIAQ
COLOR: CLOUD WHITE
THICKNESS: VARIES, SEE DETAILS
APPLICATION: COUNTERTOPS

VINYL BASE

VB-1: MANUFACTURER: JOHNSONITE
STYLE: 4" STRAIGHT
COLOR: BURNT UMBER
APPLICATION: MAIN WALL BASE @ CPT AND RF

WOOD VENEER PANELING

WVP-1: SPECIES: WALNUT
CUT: RIFT
STAIN: TO MATCH VWC-1 ON PROJECT

GENERAL NOTES

1. ALL DOOR HINGES TO BE OF THE CONCEALED TYPE, UNLESS NOTED OTHERWISE.
2. PROVIDE NECESSARY BLOCKING IN ALL WALLS TO RECEIVE CASEWORK & SHELVING.
3. ALL FINISHED DIMENSIONS TO BE FIELD VERIFIED PRIOR TO FABRICATION OF CASEWORK.
4. CABINET ELEVATIONS & SECTIONS SHOW DESIGN INTENT OF ARCHITECT. CASEWORK CONTRACTOR IS RESPONSIBLE FOR TYPICAL CABINET BRACING EVEN IF NOT SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS.
5. FINISH ALL EXPOSED END PANELS OF CASEWORK TO MATCH ADJACENT CASEWORK SURFACES UNLESS NOTED OTHERWISE.
6. ALL DIMENSIONS @ CASEWORK ARE TO FACE OF FINISHED SURFACE UNLESS NOTED OTHERWISE.
7. ALL DRILLED GROMMET LOCATIONS AND EQUIPMENT OPENINGS SHALL BE LOCATED AND CUT ON SITE WITH EQUIPMENT CONSULTANT AND OWNER. VERIFY LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION.
8. BUILDING ELECTRICAL FEEDS TO BE COORDINATED WITH ELECTRICAL MILLWORK FEED LOCATIONS AS NOTED ON PLANS. MOVE POKES AS NECESSARY IN AREAS WITH RAISED ACCESS FLOORING.
9. ALL CABINETRY SHALL BE LOCKABLE. PROVIDE ONE MASTERLOCK PER AREA, COORDINATE WITH OWNER.
10. MONITOR ARM GROMMET OPENINGS SHALL BE COORDINATED WITH EQUIPMENT CONSULTANT, OWNER, AND DESIGNER. ALL OTHER ELECTRICAL GROMMETS TO BE SIMILAR TO 2" SQUARE MOCKETT MAX2/A-94. VERIFY LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION.
11. EQUIPMENT MOUNTING DETAILS TO BE COORDINATED WITH EQUIPMENT CONSULTANT AND OWNER
12. CONTRACTOR TO VERIFY ELECTRICAL FEED LOCATIONS AND COORDINATE WITH MILLWORK. NOTIFY DESIGNER IF DISCREPENCIES OCCUR.
13. CASEWORK PULLS SHALL BE STANDARD WIRE PULLS. CONTRACTOR TO SUBMIT CUTSHEET DURING SHOP DRAWINGS.
14. ALL BASE CABINETS SHALL BE COUNTERBALANCED, TYPICAL.

SPECIAL NOTICES

In the event the client consents to, allows, authorizes or approves of changes to any plans, specifications or other construction documents, and these changes are not approved in writing by the design professional, the client recognizes that such changes and the results thereof are not the responsibility of the design professional. Therefore, the client agrees to release the design professional from any liability arising from the construction, use or result of such changes. In addition, the client agrees to the fullest extent permitted by law, to indemnify and hold the design professional harmless from any damage, liability or cost (including reasonable attorney's fees and costs of defense) arising from such changes.

The personal seal of the registered Architect or Engineer shall be the legal equivalent of his signature whenever & wherever used, and the owner of the seal shall authenticate this sheet and the specification sections pertaining to this sheet. Responsibility shall be disclaimed for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural project.

NEW BUILDING
Joplin Public Library
1901 E. 20th Street
JOPLIN, MISSOURI 64801
JASPER COUNTY
EDA PROJECT NO. 05-79-05345

Revision No.	Description	Date

Associate Architect / Interior Design

Bradd A. Brown, Architect MO 008242

Architect of Record

STATE OF MISSOURI
MICHAEL JAMES SAPP
NUMBER A-5051
REGISTERED ARCHITECT

Michael James Sapp, Architect MO A-5051

OPN ARCHITECTS
CEDAR RAPIDS
DES MOINES
MADISON

OPN Architects - Missouri State Certificate of Authority #2000158092

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SDA ARCHITECTS
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Project No.	Date	Drawn
14289000	02-15-17	Author

Drawing No.
A702
CASEWORK DETAIL FLOOR PLAN

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