

Midmark is more than just a manufacturer of healthcare products. We are a provider of innovation solutions that work for you. We have an experienced staff that coordinates projects for custom casework and will create the design layout for you. Our staff will work with you from the beginning stage of construction through the final installation and beyond.

This specification section is intended to be used by designers and specifiers in Project Manuals issued for bid. Modify individual paragraphs as required for your individual project. Choices in the specification are indicated by repeated titles, and by brackets. For more information, please call our toll-free number above or visit our website.

SECTION 12 35 70

HEALTHCARE CASEWORK

(SYNTHESIS™ CASEWORK COLLECTION BY MIDMARK)

PART 1 - GENERAL

1.1 SUMMARY

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
 - 1. Modular metal casework including floor base units, tall units, sinks and faucets, desks, mobile units, overhead units, specialty units, countertops, and accessory items.

1.2 SYSTEM DESCRIPTION

- A. Design Requirements: Casework shall be metal, modular, with each unit being an individual, interchangeable, integral part of assembly for making up desired casework unit. Each sectional unit shall be rigid and depend on no other component part of complete assembly for its rigidity. Internal components such as drawers, glides, shelves, and similar items shall be modular and interchangeable.
- B. Performance Requirements: Provide healthcare casework which has been manufactured, fabricated and installed to withstand the medical environment and maintain manufacturer's warranted performance without defects, damage, or failure.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's product data for each type of product.
- B. Shop Drawings: Submit shop drawings including the following:
 - 1. Complete list of products, sizes and manufacturer's descriptive and technical literature.
 - 2. Requirements for utility connections.
 - 3. Requirements for blocking and support.
 - 4. Keying schedule as applicable.
- C. Samples for Verification: Submit representative sample of each type of finish and color.
- D. LEED Projects: For projects seeking LEED certification, submit manufacturer's documentation for the following:

1. LEED IEQ 4 compliant Composite wood.
 2. Recycled content of metal, wood, and plastics.
 3. Water use reduction based on qualified plumbing fixtures.
- E. Installer Reports: Submit copy of installer's reports for the following:
1. Certification that installer is acceptable to the manufacturer.
 2. Manufacturer's field service report.
 3. Pre-installation meeting report.
- F. Operations and Maintenance Data: Submit manufacturer's recommendations for cleaning and maintenance, including a list of spare parts and information for ordering.
- G. Warranty: Submit executed copy of manufacturer's standard limited warranty.
- 1.4 QUALITY ASSURANCE

- A. Manufacturer: Regularly engaged in manufacturing healthcare casework, ISO 13485 and ISO 9001 certified.
- B. Installer: Minimum 2 year documented history of installing similar casework and acceptable to the manufacturer. Installer shall accept responsibility for all field verifications.
- C. Pre-Installation Meeting: Convene a pre-installation meeting prior to installation to review existing conditions, schedule, sequence of installation, and proper placement of utilities.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver and store casework as recommended by manufacturer. Protect from the weather, humidity, temperature variation, dirt, dust, or other contaminants.

1.6 WARRANTY

- A. Modular Casework Limited Warranty: Provide manufacturer's standard limited warranty for the items listed below, with additional exclusions as included in manufacturer's standard warranty. Furnish copies of warranties for components not manufactured by Midmark Corporation but incorporated into the casework as applicable.
 1. Door and drawer fronts, casters, 5 years.
 2. Task lights, 3 years.
 3. Laminate top surfaces and accessories, 1 year.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Basis-of-Design Manufacturer: Midmark Corporation, 60 Vista Drive, Versailles, Ohio 45380-0286, telephone 1-800-MIDMARK, fax 1-800-365-8631, www.midmark.com.

2.2 MODULAR METAL CASEWORK

- A. Modular Metal Casework: Synthesis™ Casework Collection by Midmark. No substitutions.
 1. Sizes and Configuration: As indicated on the Drawings.

2. Metal Finish: Premium powdercoat, baked-on epoxy.
 3. Metal Finish: 7 mil high-performance finish applied to powdercoated steel frame.
 4. Colors and Styles: As selected from manufacturer's standard options.
 5. Colors and Styles: _____ (insert types; refer to website for options).
- B. Casework Assembly:
1. Design: Individual, interchangeable, integral, modular units.
 2. Cabinet: 18 gauge cold rolled steel; multi-piece shell and frame design; riveted and press joined (Tog-L-Loc).
 3. Filler and Trim: Manufacturer's standard coordinated components.
- C. Door Construction:
1. Panel Style: [Serenity] [Renew] [Cove] [Transcend] [Pinnacle] style.
 2. Front/Back: 12 mil seamless polymer-covered front; melamine back.
 3. Reveal: 1 mm reveal from the edge of the frame.
 4. Core: 45 lb. LEED IEQ compliant MDF board, 3/4 inch thick. Composite wood material to meet CARB P2 emission std of CARB regulation 91320.2.
 5. Hinges: Manufacturer's standard Blum, concealed, self-closing, 110 degree opening, nickel-plated metal, clip-on mount, three adjustment points.
 6. Pulls: Manufacturer's standard 128 mm pull offering for Serenity, Transcend, and Pinnacle Style Panels; Integrated front pull design (Cove style); Recessed clear snap-on handle with interchangeable color strips (Renew Style)
- D. Drawers:
1. Deep Drawer Construction: One piece molded polystyrene drawer bodies with rounded corners.
 2. File Drawer Construction: 18 gauge cold rolled steel frame; including suspended file system and file bars.
 3. Front/Back: 12 mil seamless polymer-covered front; melamine back.
 4. Reveal: 1 mm reveal from the edge of the frame.
 5. Core: 45 lb. LEED IEQ compliant MDF board, 3/4 inch thick. Composite wood material to meet CARB P2 emission std of CARB regulation 91320.2.
 6. Slides: Manufacturer's standard Accuride Aero (100 lb. capacity) ball bearing slides; Accuride Model 3832 (100 lb. capacity) for pullout writing surfaces and waste cans; and heavy duty Accuride Model 3640 (200 lb capacity) slide for file drawers and heavy duty pull out shelves.
 7. Pulls for Serenity, Transcend and Pinnacle Style Panels: [Arc] [Bent] [Bent with anti-microbial] [Edge] [Flare] 128 mm pulls.
 8. Pulls for Cove Style Panels: Integrated front pull.
 9. Pulls for Renew Style Panels: Recessed clear snap-on handle with interchangeable color strips.
- E. Adjustable Shelving: 18 gauge cold rolled steel, painted to match cabinet color; manufacturer's standard die cast zinc support clips.
- F. Locks:
1. Doors: Manufacturer's standard Timberline, individually mounted, cam style lock removable lock plug; locks keyed alike with two keys per lock.
 2. Drawers: Manufacturer's standard Timberline lock body with removable lock plug with 14 gauge cold rolled steel pivoting lock bar for central lock system; locks keyed alike with two keys per lock.

- G. Casters: Manufacturer's standard Shepherd Caster Corp, 60 mm nylon or 4 inch twin wheel design with elastomeric treads, stem mounting; locking wheel.
- H. Countertops, Standard Laminate:
 - 1. Edges: Square laminate self edge.
 - 2. Edges: Post formed.
 - 3. Countertops: LEED IEQ compliant particle board core. Composite wood material to meet CARB P2 emission std of CARB regulation 91320.2.
 - 4. Horizontal Surfacing: 0.045 inch thick, matte finish.
 - 5. Manufacturer: Wilsonart; Formica, Nevamar, Pionite; as selected.
- I. Countertops, Solid Surfacing:
 - 1. Materials: Solid surfacing.
 - 2. Materials: Anti-Microbial solid surfacing.
 - 3. Countertops: LEED IEQ compliant MDF core. Composite wood material to meet CARB P2 emission std of CARB regulation 91320.2.
 - 4. Horizontal Surfacing: 0.5 inch thick, matte finish; EOS Cupron material 0.375 in thick.
 - 5. Manufacturer: Dupont Corian; Wilsonart; Formica, Meganite, EOS; as selected.
- J. Filler Panel/Leg Supports: LEED IEQ compliant MDF core. Composite wood material to meet CARB P2 emission std of CARB regulation 91320.2.
- K. Plumbing Fixtures: Sinks and faucets as scheduled on the Drawings, selected from manufacturer's standard options.
- L. Task Lights:
 - 1. Manufacturer: Light Corporation.
 - 2. Lengths: 17 inches and 31 inches as applicable.
 - 3. LED Rated Lifespan: 50,000 hours.
 - 4. Color Temperature: 3500K.
 - 5. Color Rendering Index: 84.
 - 6. Dimmer: Brightness adjustability, 100% to 15% with continuous touch-and hold.
 - 7. Automatic Turn-Off: 10 hours (plus or minus 15 minutes).
 - 8. Color Finish: Silver aluminum with white end caps.
 - 9. Housing material: Clear anodized aluminum.
 - 10. Cord Color: Black.
 - 11. Cord Length: 9 feet with 15W power supply, or 12 feet with 60W power supply as applicable.
 - 12. Certifications: ETL, TAA, BAA.
- M. Sustainable Design, Environmental Impact Summary:
 - 1. Wood Content Average of 22% MDF components, 100% recycled or recovered fiber and EPP certified by the Composite Panel Association.
 - 2. Steel Content: Average of 77% steel components, with steel industry standard 25% post consumer recycled content, 100% recyclable.
 - 3. MDF: LEED IEQ 4.4 Compliant MDF as the substrate for door and drawer fronts. Wood components CARB Phase II compliant.
 - 4. Countertops: LEED IEQ 4.4 compliant for postform laminate and for solid surface countertops. Wood components CARB Phase II compliant.
 - 5. Plastic Components: Labeled with ASTM recycling code.

6. Packaging: Blanket wrap can be taken back and reused for additional deliveries, and corrugated cardboard packaging with 15% recycled content.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and site conditions for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install products in strict accordance with manufacturer's instructions, approved submittals and in proper alignment with adjacent work. Provide installation method suitable for substrate and project conditions. Test operable components for proper operation and adjust until satisfactory results are obtained.

3.3 CLEANING AND PROTECTION

- A. Clean exposed surfaces using methods acceptable to the manufacturer which will not damage finish.
- B. Protect casework against damage until accepted. Restore damaged components and finishes as necessary so no evidence remains of corrective work.

END OF SECTION