

## **SECTION - LABORATORY CASEWORK**

### **PART 1 - GENERAL**

#### **1.01 SECTION INCLUDES**

- A. Laboratory casework.
- B. Countertops on laboratory casework.
- C. Shelves indicated as "Adjustable shelving system".
- D. Laboratory fittings.
- E. Related accessories.
- F. Epoxy resin and stainless steel sinks.

#### **1.02 SOURCE AND COORDINATION**

- A. The Contractor shall purchase the following from MEC Systems Inc., 13055 Riverdale Drive NW, Suite 500-245, Coon Rapids, MN 55448, 763-229-7204, the designated Laboratory Casework Subcontractor (LCS).
  - 1. Laboratory casework.
  - 2. Laboratory countertops.
  - 3. Laboratory fittings.
  - 4. Related accessories for all of the above for a complete installation.
- B. MEC Systems Inc. has agreed to sell products and services to the Install Contractor or Facility Owner.
  - 1. The Install Contractor shall comply with all factory installation requirements.
  - 2. Payments to MEC Systems are 50% down, net 30 days upon completion.
  - 3. Lead-time for standard products is 60 days after submittal of order to the factory.
  - 4. Lead-time for non-standard or custom modified standard products is 120 days after submittal to the factory.
- C. MEC Systems Inc. contact information:
  - 1. Mfg. Pricing and Design: Charlie Wilcox 763-229-7204 [charlie@mecsystemsusa.com](mailto:charlie@mecsystemsusa.com)
- D. Costs established by MEC Systems Inc. contract include:
  - 1. Design services.
  - 2. Pricing.
  - 3. Manufacturing
  - 4. Installation coordination
- E. Installation shall be performed by an installer certified by MEC Systems.
- F. The General Contractor or Facility Representative shall provide the following at no increase in the Contract Sum:
  - 1. Unobstructed access for the laboratory equipment installer.
  - 2. Elevator service or other means of moving materials to floors above or below grade.
  - 3. Sufficient in wall anchoring and/or backing for installation of cabinets
- G. Coordination with countertop installer.

### 1.03 RELATED WORK

- A. Section 06-4023 - Interior Architectural Woodwork: Custom casework, countertops on custom casework.
- B. Section 09-6500 - Resilient Flooring: Resilient base.
- C. Section 11-5300 - Laboratory Equipment.
- D. Laboratory Countertops
- E. Laboratory Fittings
- F. *[Mechanical]*: Mechanical services and final connections.
- G. *[Electrical]*: Electrical services and final connections.

### 1.04 SUBMITTALS

- A. Manufacturer's Product Data for each product and accessory.
- B. Manufacturer's certification that products comply with the Contract Documents.
- C. Sample of each service lock, door pull, hinge, shelf standards and supports, and other hardware.
- D. Shop Drawings, including plans, elevations, ends, cross-sections, large-scale details, showing service run spaces, location and type of service fittings, shelves, accessories, anchorage, and adjacent materials.
- E. Verification Samples of selected finish. Furnish samples as required to illustrate color and texture of products.
  - 1. MEC Panel 2"x 3" (6) standard colors

### 1.05 QUALITY ASSURANCE

- A. Installer qualifications: Trained and certified by the manufacturer.

### 1.06 SITE CONDITIONS

- A. Do not deliver casework to the site until:
  - 1. Site must be secure
  - 2. Ceiling, overhead ductwork, and lighting in installation area are complete.

## PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

- A. Acceptable manufacturers/products:
  - 1. MEC Systems Inc. Coon Rapids, MN
  - 2. Preapproved substitutions that meet minimum specified criteria of non-corrosive, no moisture absorption, UV resistant, fire rated, non-laminated material (guaranteed not to delaminate) with a texture surface.
- B. Standard: Design is based on *Architectural specifications*.

## **2.02 COMPONENTS**

- A. MEC Systems Casework: Standard default options except as indicated.
  - 1. Cabinet front and drawers: Euro Style
  - 2. Constructed with MEC Systems ,) MEC Panel UV Stabilized Polymer Sheets.
  - 3. MEC Panel: non-porous, non-laminated (guaranteed not to delaminate), textured surface.
  - 4. Casework core, sides, bottom: Non-Corrosive MEC Panel UV stabilized class B fire rated Polymer Sheets.
  - 5. Top frame: Horizontal front rails, vertical rear rails.
  - 6. Intermediate front rails: For lipped construction.
  - 7. Other components: Adjustable Non-Corrosive legs with clip on toe kick
  - 8. Drawer construction: Non-Corrosive MEC Panel UV Stabilized Polymer Sheets fastened with stainless steel screws.
  - 9. Drawer suspension: Full extension, 100# capacity
  - 10. Base cabinet shelf depth: Half cabinet depth.
  - 11. Shelves: 3/4 inch thick, support at 28 inches, 65 pounds capacity.
  - 12. Shelf clips: Plated pin and socket.
  - 13. Pulls: Rectangular, brushed aluminum. Horizontal on drawers, vertical on doors.
  - 14. Hinges: concealed, self-closing.

## **PART 3 - EXECUTION**

### **3.01 INSTALLATION**

- A. Set casework plumb, square, and true to line. Securely anchor to framing, floor, or structure. Provide solid shims as required for rigid installation.
- B. Scribe to adjoining vertical surfaces.
- C. Cut and drill as required for accessories, fixtures, and mechanical and electrical services and connections.

**END OF SECTION**