

SECTION 12 35 53 - LABORATORY CASEWORK

PART 1 - GENERAL

1.1 SYSTEM REQUIREMENTS

- A. Design Requirements:
1. In existing buildings, match new casework to existing casework.
 2. Do not use wood casework where water and/or chemicals will be used.
 3. Provide side- and back-splashes at all laboratory countertops.
 4. Acceptable Casework Types:
 - a. Plastic-laminate-clad.
 - b. Metal.
 - c. Solid-phenolic.
 - d. Wood.
 5. Acceptable Countertop Types:
 - a. Stainless steel.
 - b. Epoxy resin.
 - c. Laminate plastic.

PART 2 - PRODUCTS

2.1 CASEWORK

- A. Manufacturers:
1. Plastic-Laminate-Clad Casework: Subject to compliance with requirements, provide products by one of the following:
 - a. Case Systems Inc.
 - b. Fisher Hamilton, L.L.C
 - c. LSI Corporation of America; a Sagus International company.
 - d. TMI Systems Design Corporation.
 2. Metal Casework:
 - a. Beco Lab.
 - b. Fisher Hamilton, L.L.C.
 - c. Kewaunee Scientific Equipment Corporation.
 - d. Mott Manufacturing Ltd.
 3. Solid-Phenolic Casework:
 - a. Lab Resin.
 - b. NuLab Furniture Corporation.
 - c. Trespa North America
 - d. Young Group, Ltd.

2.2 COUNTERTOPS

- A. Stainless steel:
1. Material: Type 316, 0.0625 inch thick (16 ga.) minimum with 0.0781inch thick (14 ga.) minimum reinforcing channels.
 2. Edge Treatment: Minimum 3/16 inch deep die-formed marine edge; straight edges forming 1-1/4 inch tall face with minimum 1/2 inch bottom return.
 3. Back and side splashes: Integral with top.
 4. Seams and joints: Fully welded, ground smooth and polished to match adjacent surfaces.
 5. Sinks: Integral with top; fully-welded, ground smooth and polished to match adjacent surfaces.
 6. Sound deaden underside of all tops and sinks.

- B. Epoxy resin: Fabricate with raised marine type edge and drip grooves around sinks and along front edge.
 - 1. Manufacturers:
 - a. The Durcon Company.
 - b. Epoxyn Products.
 - c. Kemresin.
 - d. Laboratory Tops, Inc.
 - 2. Sink: Integral with top.

- C. Plastic laminate: Acid resistant.
 - 1. Core Material: Minimum 45 pcf particleboard except provide exterior grade, moisture-resistant, plywood at countertops with sinks.
 - 1. Edges: PVC edge treatment applied with hot melt adhesive; build to 1-1/4 inch thick at perimeter of countertop.
 - 2. Back and side splashes: Fixed back splashes; removable side splashes.
 - 3. Sink: Stainless Steel, Type 316 or Epoxy Resin under mount sink. Surface mounted sinks are prohibited.

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 12 35 53