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:
      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.
      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 0.0781 inch 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.
   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