SECTION 12 35 53 – MOBILE LABORATORY CASEWORK

PART 1 – GENERAL

In labs where the design calls for mobile laboratory casework the work includes, but is not limited to, furnishing and installing modular metal mobile laboratory cart "C" framework with suspended wood cabinetry components, trespa or modified epoxy work surfaces, and ceiling inset utility service carriers. Work surface to be approved by lab user.

Provide:
Pre-engineered support strut assemblies for complete assembly to support counter tops suspended cabinets and shelving; reagent shelving; suspended wood or metal cabinetry, trespa or modified epoxy countertops; demountable under shelf task lights; service carriers for electric, voice/data, and lab gases designed to fit within the suspended ceiling grid; connections from ceiling to vertical bench-mounted service carriers for electric and lab gases, fully wired plumbed vertical, bench-mounted service carriers for electric, voice/data, and lab gases, fittings, sinks, fixtures, electrical, drying racks soap and towel dispensers, shelving standards and brackets for mobile and wall mounted shelving.

PART 2 – PRODUCTS

Casework and work surfaces shall pass the applicable minimum design load tests published in SEFA. Provide laboratory casework manufactured by one of:

Fisher Hamilton Scientific, Inc. 414-793-1121

Bedcolab Ltd. 514-384-2820

Mott Manufacturing Limited 519-752-7825

Kewaunee Scientific Equipment Corporation 704-873-7202

Casework shall be manufactured in accordance with the latest edition of SEFA 8 AWI Section 01600 – DIVISION A – Laboratory Grade, Type I (multiple supporting units).

Verify Wood Species, cut and match of veneer and finish color.
Doors and drawers shall be full overlay.
Wood grain of veneer is to run vertically continuously in doors and drawer stacks and align from drawer to drawer or door to drawer from same piece of veneer.
Rails are to be solid stock closely matching face grain.
Doors and drawers are to be edge-banded with 3mm thick solid wood of same species as face veneer.
Particleboard is to be used by exception only and must be urea-formaldehyde free.
Drawers to have solid hardwood sides or 9-ply plywood clear of voids, dovetailed to front.
Provide pull boards (breadboards) per design.
Provide seismic restraints on shelving consisting of type 304 stainless steel mounted to top and front of open shelves.

Countertops in laboratories shall be one inch trespa bench tops. This is preferred at all laboratories using chemicals and required in laboratories with Biohazard Levels 2 & 3. In general, bench tops shall be impervious to water and resistant to acids, alkalis, organic solvents and moderate heat. One inch epoxy resin tops shall be by exception only.

Laboratory casework and furniture shall be positioned to facilitate cleaning and disinfection of casework as well as surfaces around/between casework.

Wall cabinets shall have a continuous front plane to the ceiling to extent possible. This will aid in housekeeping.

Reference WUSM Safety Policies and Procedures and the WUSM Department of Environmental Health and Safety regarding further requirements for specific laboratory types.

PART 3 – EXECUTION

END OF SECTION