CiFLAB
SOLUTIONS

LABORATORY SOLUTIONS…
...FOR CASEWORK, FLEXIBLE TABLE SYSTEMS AND FUME HOODS

RESEARCH DEVELOPMENT | TEACHING | EDUCATIONAL

UNDERGRADUATE TEACHING LABORATORIES

Today's teaching laboratory invites students and teachers to share space in classroom, bench-demonstration and collaborative area layouts.

The casework solution promotes learning environments that allow a "team of students" access to science technology, community writing surfaces and visibility to the outside world they are studying.

The sustainability focus of the site and building trickles down to the casework. Wood products from properly managed forests, consideration of rapidly renewable sources and substrates that promote indoor air quality, all are in play.

CUSTOM STUDY CARRELS AND WRITE-UP STATIONS

Multi-dimensional spaces provided in "open laboratory/classroom settings" must allow students to have warm, intimate personal space to study the day's results and capture them in their laboratory journals.

ELECTRIC HEIGHT-ADJUSTABLE TABLES AND OVERHEAD SERVICE DISTRIBUTION

By combining the Flexible Laboratory Furniture Solutions with the Premium Modular Casework Solutions of CiF…our organization can address the customer's need for meeting the spaces initial purpose, while planning for what the future may hold.

- Modular suspended or mobile premium wood casework
- Electric height adjustable table systems
- Overhead Service Carriers to manage plumbing, electrical and data services, exhaust and lighting

RESEARCH AND DEVELOPMENT LABORATORIES

By nature R&D space needs to be flexible and adaptable to meet the changing or advancing research of tomorrow. Whether it is tenant, instructional research or process intensive space…the ability to reconfigure modular casework and table configuration / location, work surface height and add additional services through the building infrastructure are critical.

A furniture system that provides this flexibility to the researcher on a 24/7 basis, makes for the most productive and sustainable space.

CiFLAB SOLUTIONS

CUSTOM DESIGNS FOR…

...LABORATORIES

FUME HOODS...APEX AIR™ SERIES

First and foremost a fume hood is a chemical containment device that is engineered to provide safety for its users. It is also where a laboratory has its highest cost of energy. Keeping these two very important needs in mind is what has caused CiF to develop the Apex Air™ Series of fume hoods. The fume hood offering includes:

- Single & Double Sided Bench hoods
- Perchloric
- Low Bench hoods
- Thin Wall hoods
- Single & Double Sided Teaching hoods
- Radio Isotope hoods
- Acid hoods
- Walk-in hoods
- Barrier free or ADA hoods
- Demonstration hoods

CASEWORK: ENGINEERING A COMBINATION OF MATERIALS

Wood casework, plastic laminate casework, steel/metal casework or hybrid solutions like metal casework with wood door and drawer…are all a part of the CiF Lab Solutions offering. Wood, plastic laminate, stainless steel, painted metal and epoxy resin all can be contributors to the functionality and aesthetics of a laboratory environment. The ability to integrate these surfaces and textures seamlessly within an elevation is a challenge that must be met.

LABORATORY CLASSROOM SPACE

Not all spaces are created equal.

Technology integration with traditional laboratory equipment often leads to customized instructional areas that promote “real world” problem solving clusters of students.

...EDUCATION

A HIGH SCHOOL SCIENCE CLASSROOM CAN PROVIDE A COMBINATION SPACE FOR TEACHING AND LABS

While traditionally high school and even middle school science classrooms have used a separate laboratory and classroom space, today’s approach, like the higher education model, is evolving to an integrated solution that allows for curriculum changes as the student population ebbs and flows from year to year.

While the design of fixed perimeter base casework with glass door wall cabinets is still popular, many times the choice is a design that integrates the teaching classroom and the laboratory bench work into one configuration.

The Result…

- Cluster workstations to accommodate multiple students
- Technology being integrated with data and Wi-Fi provisions
- Height adjustable tables that can accommodate sitting or standing height curriculums

CiFLAB SOLUTIONS

UNCOMPROMISED QUALITY IN MATERIALS, CONSTRUCTION METHODS, FIT-FINISH AND TESTING COMPLIANCE

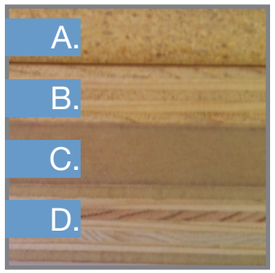
PREMIUM WOOD CASEWORK SOLUTIONS

VENEER SELECTION

We pride ourselves on providing the highest level of quality in our veneers, cuts and matching. Consistent coloring, AWI grading compliance and the widest range of species choice offered in the industry are consistent with our approach.

DRAWER BOX CONSTRUCTION

Traditional, precision fitted dovetailed drawer box with a fully captured bottom…an AWI Premium approved method.



SUBSTRATE PANEL MATERIALS

We allow the customer to make the decision regarding the type of AWI approved substrate material they would like used for cabinet and door / drawer construction.

A. ¾" hardwood plywood
B. 7-ply veneer core plywood (standard)
C. ¾" medium density fiberboard
D. 7-ply combination core plywood

FLAT-LINE FINISHING

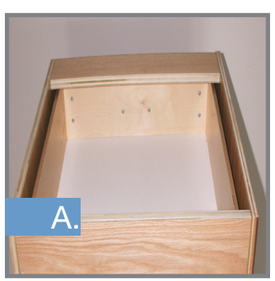
Our finishing meets SEFA 8 Chemical Resistance Specifications. Our finish is our pride.

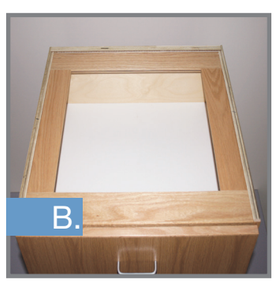
DOWEL PIN CONSTRUCTION

Our cabinet construction delivers pin-point accuracy with the use of fluted dowel and glue construction…an AWI Premium approved method.

AWI AND SEFA COMPLIANCE

CiF Lab Solutions uses materials and construction methods that follow the performance guidelines of these Industry associations throughout our product delivery approach (where consistent with a project specification).





CABINET TOP-FRAME CONSTRUCTION METHODS

Each cabinet line series incorporates the quality cabinet top frame approach that our customer desires.

A. Full stretcher frame (standard)
B. Full solid hardwood top frame
C. Full sup-top

SUSTAINABLE BUILDING CONTRIBUTIONS...LEED CREDITS

Using the appropriate substrates, adhesives, hardwoods and veneers (i.e. NAUF and FSC) our wood casework solutions can potentially contribute to a project's LEED certification in several categories:

A. MR 4.1 and 4.2 Recycled Content
B. MR 6 Rapidly Renewable Materials
C. MR 7 Certified Wood
D. EQ 4.4 Low Emitting Materials Composite Wood

CiFLAB SOLUTIONS

53 Courtland Avenue
Vaughan, ON Canada L4K 3T2

Ph. 905.738.5821
Fx. 905.738.6537

www.cifsolutions.com

Casework, Flexible Laboratory Systems and Fume Hoods for Laboratories, Higher Education, K-12, and Healthcare

ALWAYS TRUE TO YOUR VISION!

ARCHITECTURAL REVIEW

PROJECT ENGINEERING

TOTAL PROJECT MANAGEMENT AND DELIVERY

SITE COORDINATION

INSTALLATION SERVICES

AUTHORIZED DEALER: