SC Rev. 11.05 © Sheldon Laboratory Systems

Sheldon Laboratory Systems, Inc.
A MISSCO Company

Sheldon Laboratory Systems
Post Office Box 836 - 102 Kirk Street
Crystal Springs, MS 39059
601.892.2731 - 1.800.531.7604
Fax 601.892.4364
www.sheldonlabs.com - sales@sheldonlabs.com

MEMBER
SEFA
Scientific Equipment & Furniture Association

Sheldon Laboratory Systems • Science

Sheldon
LABORATORY SYSTEMS

Science

Sheldon LABORATORY SYSTEMS

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(See Back of Catalog)

All units in this catalog identified with the ADA Symbol are designed to accommodate ADA Wheelchair Accessibility requirements.

– Manufactured Casework & Specialized Technical Products

A Tradition of Quality Craftsmanship

When you visit the Sheldon Laboratory Systems plant in Crystal Springs, the company focus becomes immediately clear. **"Manufacture a functionally correct product that matches or exceeds market expectation for design, quality and value."**

For over 100 years, that has been the prevailing theme of Sheldon. Cabinet construction is a core of our business, but it certainly is not the only direction. Sheldon engineers and designers constantly monitor the needs of the educational and research fields to design products that are not only evolutionary – but revolutionary!

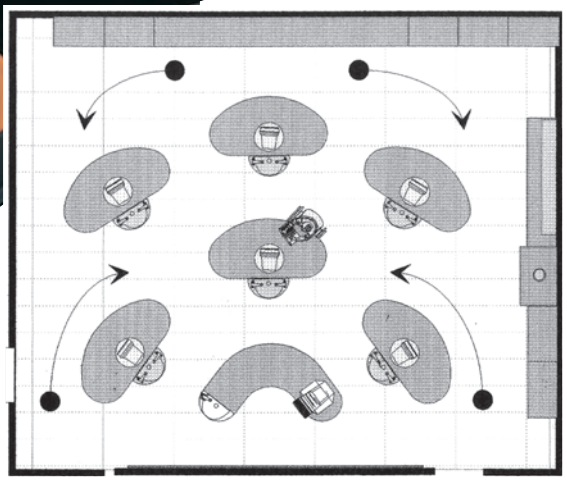
When we designed the Axis-3® lab table, it combined computer technology with laboratory research tools. The result was a functionally correct product that introduced a new era of laboratory furniture. The tools of modern science are constantly changing. At Sheldon we believe the furniture should not only mirror that evolution, but innovate it as well.

– CORE VALUES –

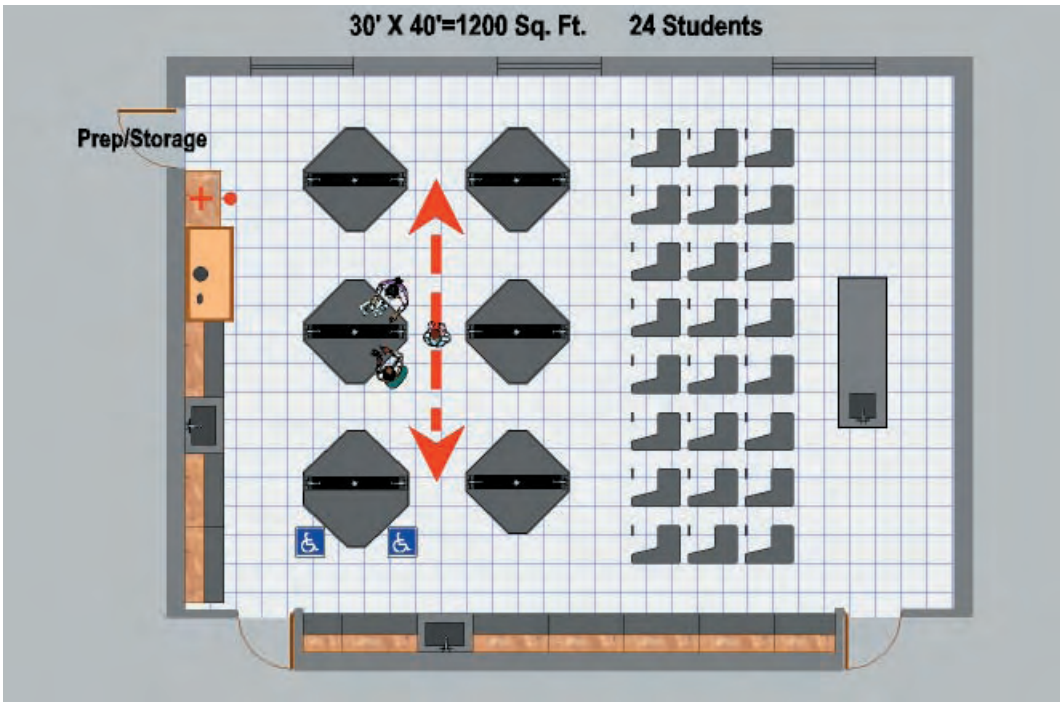
- ✧ Research & Design
- ✧ Lab Planning
- ✧ Innovative Technical Products
- ✧ Quality Casework
- ✧ Regional Sales Manager Support

Sheldon
LABORATORY SYSTEMS

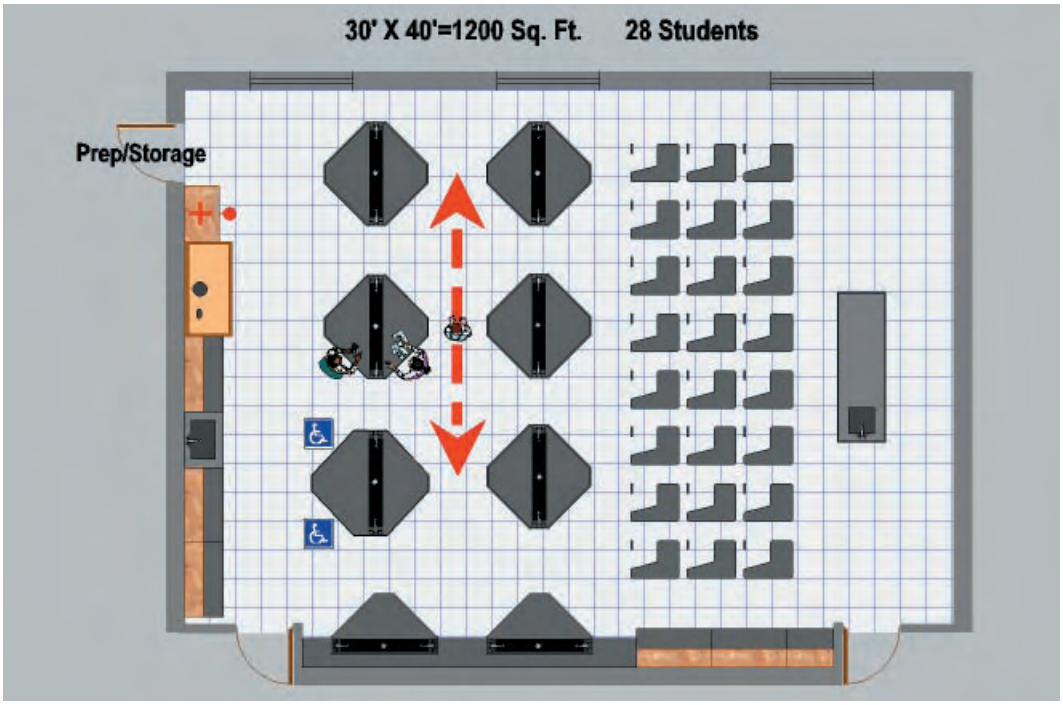
Typical Floor Plans



Room Layouts

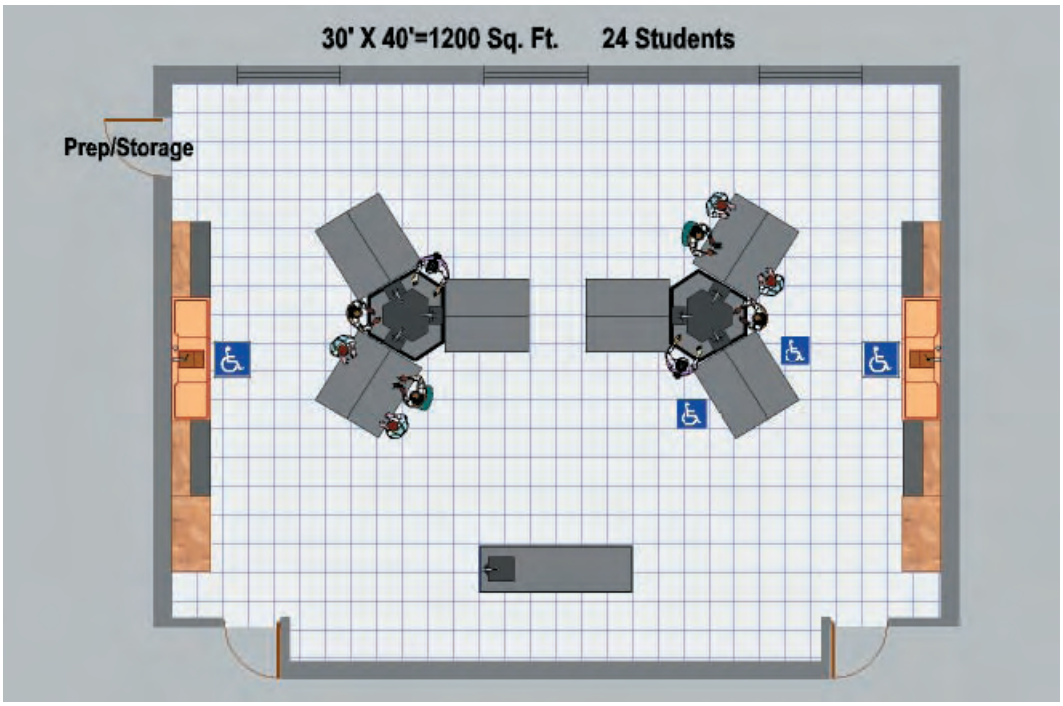


Chemistry Lab
Four Student TE II Table

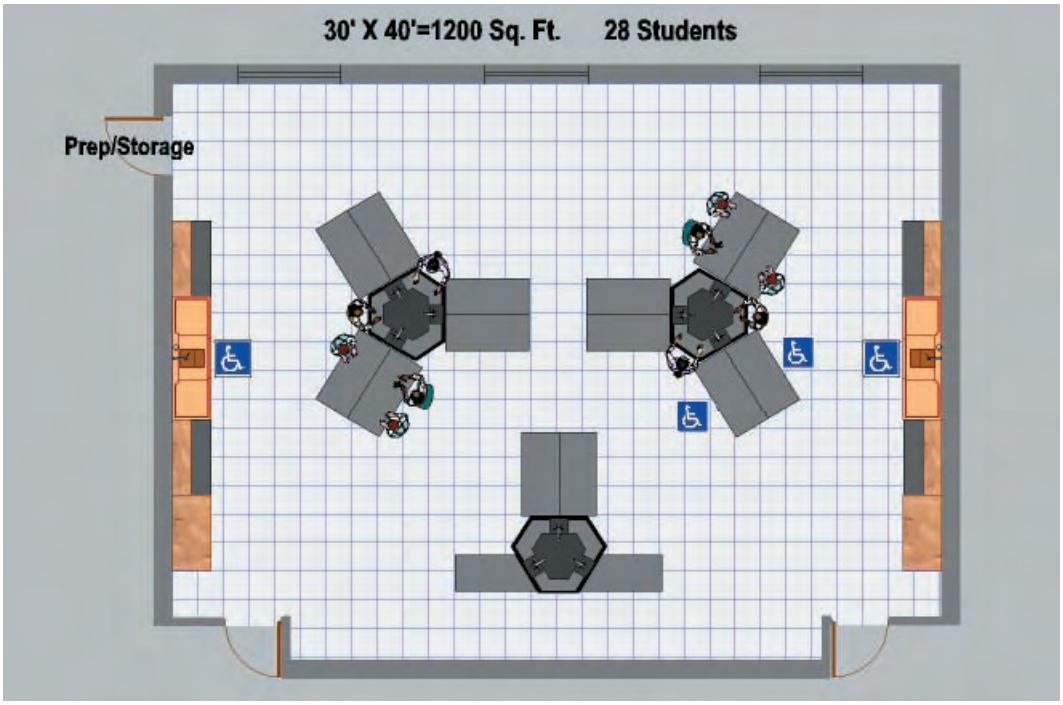


Chemistry Lab
Four Student TE II Table

Room Layouts

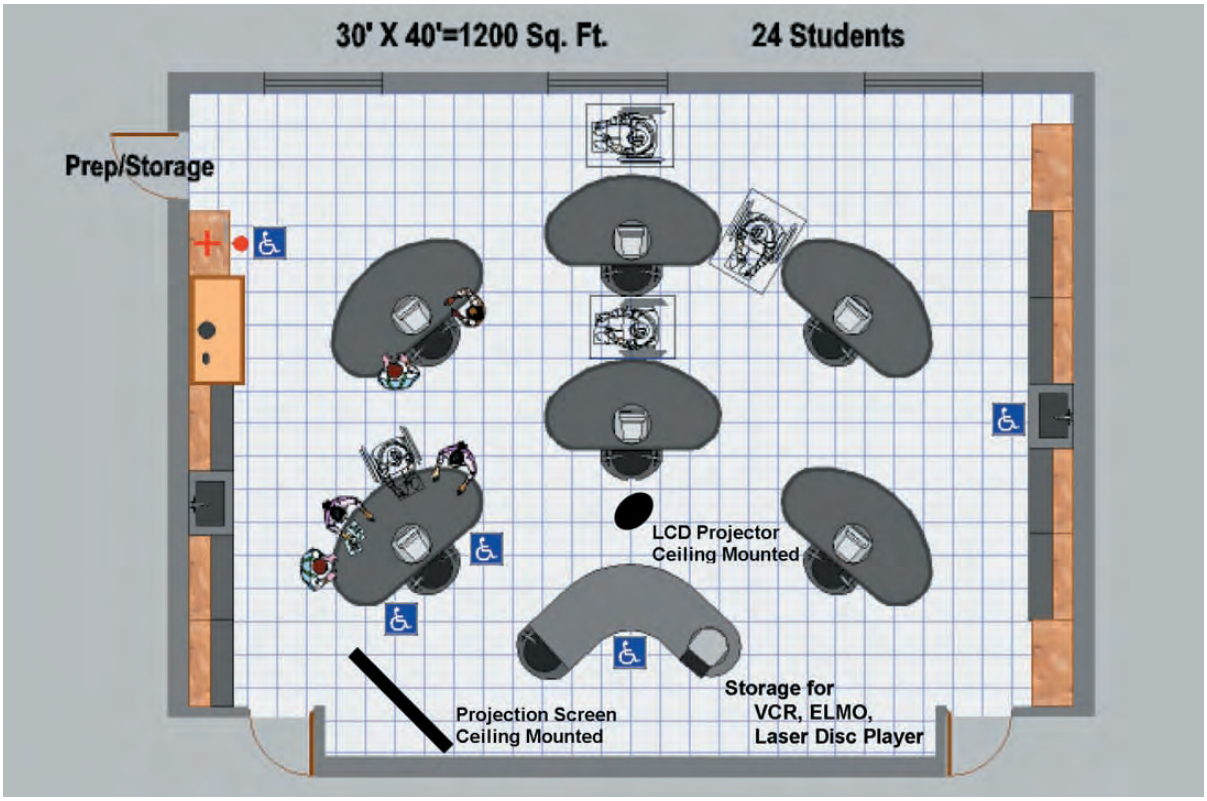


Biology Lab
Trifacial Service Island with Four Student Wing Tables



Biology Lab
Trifacial Service Island with Four Student Wing Tables

Room Layouts



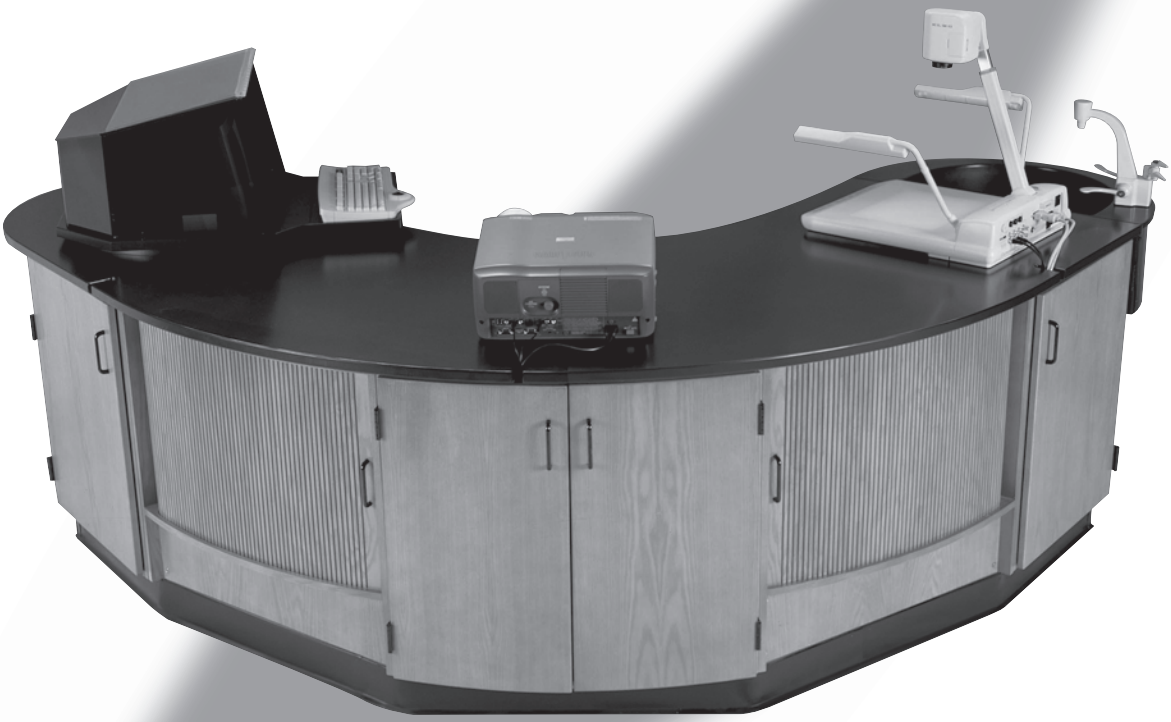
Multi-Purpose Lab
Four Student Axis 3® Work Station

Contact the Sheldon Sales Planning Department for assistance with the following:

- Space Planning
- Student Work Stations Utilizing Computer Technology
- Teacher Lecture Desks Utilizing Video Presentation
- ADA Accessibility Requirements
- Safety Issues
- General Storage & Wall Counters
- Materials Handling
- Sink Stations
- Fume Hoods
- Student Project Areas
- Specialized Technical Products
- Prep Rooms
- Special Requirements
- Recommendations of *NSTA Guide to School Science Facilities*

Sheldon LABORATORY SYSTEMS

- ✧ Teacher Demonstration
- ✧ Student Laboratory Tables
- ✧ Specialized Products
- ✧ Safety Equipment
- ✧ Fumehoods



Teacher Demonstration

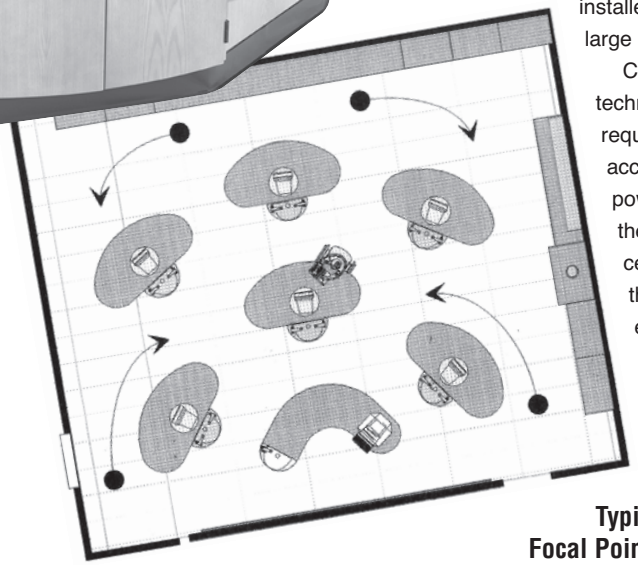
Sheldon LABORATORY SYSTEMS

- ✧ Multi-Media Presentation
- ✧ Instructor's Desk
- ✧ Visual Aider Mirrors
- ✧ Chalkboards

16500 • 16501 - Focal Point Demonstration Desk

16500 (Shown) • 16501 (16500 Reversed)
Work top is boomerang in shape; 1" black Shelresin. Top is 33" wide on each end; 36" wide in center.
10' Length X 66" Width X 34" Height

The first teacher's desk to accommodate and integrate video presentation at the teacher's area. Combined with the Axis 3 student lab stations, this unit turns lab and lecture area into one, dynamic learning space, while at the same time providing ADA wheelchair accessibility requirements. This unit also allows the accommodation of presenting a computer screen, VCR, LaserDisc player, Elmo & flex camera through an LCD projector onto a large screen for classroom viewing. The LCD projector may be located on the desktop, or ideally, installed in the ceiling for large screen projection. Contact your technology consultant for requirement needed to accommodate conduit, power, and cabling in the floor, walls, and ceiling for interfacing the multi-media equipment through the LCD projector.



Typical Focal Point Layout

Standard Features-

- *Sink Assembly with Unimix HW, CW, Gas Fixture*
- *Molded Epoxy Resin Top*
- *Recessed Rotating Monitor Well with Hood*
- *Remote Wireless Keyboard*
- *Three Storage Cabinets*
- *Two Tambour Door Storage Cabinets with Pullouts for Printer*
- *Wheelchair Accessible Knee Space*
- *All Units with Locks*

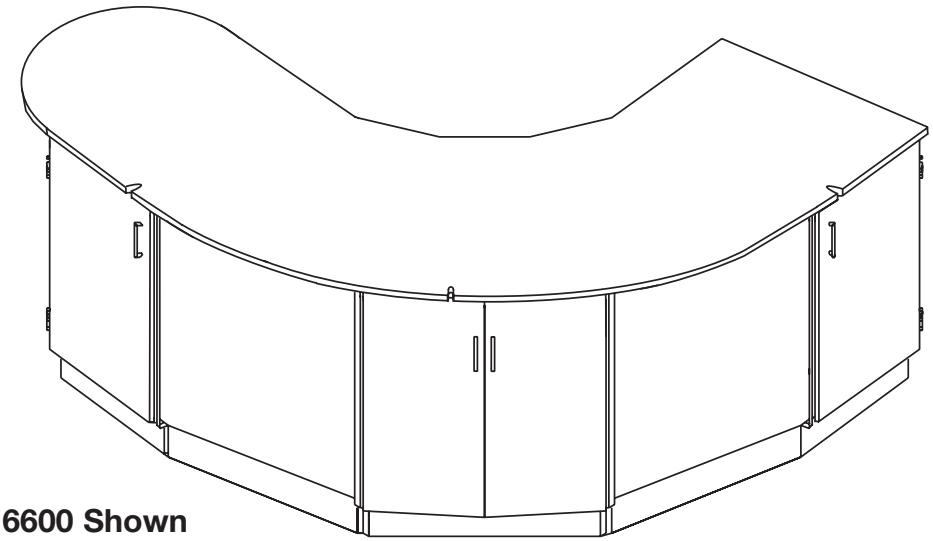
SERVICES -

- **Unimix #80030 combination hot water, cold water & gas fixture with wrist blade handles and soft flow aerator.**
- **Cantilevered half round black Shelresin sink. (22"L x 14 1/2"W x 5 1/2"D) I.D. with sink outlet**
- **110 V #85101-GFI duplex electric outlet**
- **One upright rod assembly set consisting of two upright rods with integral C-clamp and one horizontal rod with two connectors.**
- **Trap not included.**

For an authorized Sheldon Laboratory Systems Dealer near you, visit our website - www.sheldonlabs.com

16600 • 16601 - Focal Point Demonstration Desk

16600 (Shown) • 16601 (16600 reversed)
Work top is boomerang in shape; 1" black Shelresin. Top is 33" wide on each end; 36" wide in center.
9'8" Length X 66" Width X 34" Height



16600 Shown
with optional cable slots

Standard Features-

- *Epoxy Resin Top*
- *Three Storage Cabinets*
- *Wheelchair Accessible Kneespace*

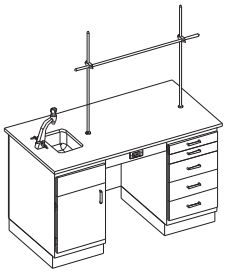
Options Available for the 16600 Basic Focal Point -

- **Monitor Well and Wireless Keyboard**
- **Tambour Door Storage** (in lieu of filler panels)
- **UNICAST Fixture & Sink**
- **UNIMIX Fixture & Sink**
- **Recessed Tabletop Small Power Trough With 2 Power Outlets & 2 RJ45 Data Outlets (for laptop use in lieu of monitor well)**
- **Universal Tower CPU Holder Assembly**
- **One C-Clamp Upright Rod Assembly**
- **Locks**
- **Cable Slots**

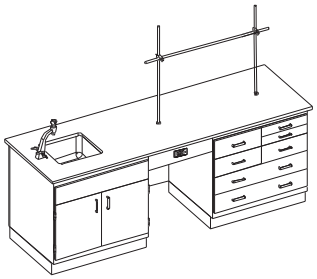
20620 • 20625 (20620 Reversed) - Instructor Desk

60"Length X 31"Width X 36"Height

Work top is (1") Shelresin. Base cabinets include one sink cabinet, one five-drawer cabinet. Assembly provided with finished back. Services include one Unicast combination cold water and gas fixture; one G.F.I. duplex electrical outlet; one Shelresin drop-in sink (14" x 10" x 6") I.D. with (1 1/2 ") sink outlet and stopper; one upright rod assembly; two upright rod sockets in top. Trap not included.



20650 • 20655 (20650 Reversed) - Instructor Desk



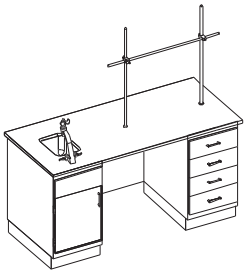
96"Length X 31"Width X 36"Height

Work top is (1") Shelresin. Base cabinets include one sink cabinet, one 7-drawer cabinet and one knee space. Assembly provided with finished back. Services include one Unicast combination cold water and gas fixture; one G.F.I. duplex electrical outlet; one Shelresin drop-in sink (16" x 16" x 7 1/2") I.D. with (1 1/2") sink outlet and stopper; two upright rod sockets in top and one upright rod assembly. Trap not included.

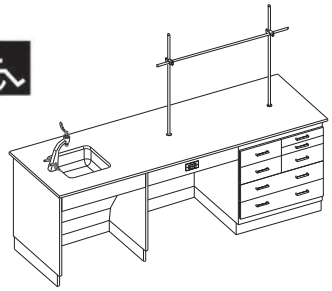
20672 • 20674 (20672 Reversed) - Instructor Desk

72"Length X 31"Width X 34"Height

Work top is (1") Shelresin. Base cabinets include one sink cabinet & one four-drawer cabinet. Assembly provided with finished back. Services include one Unicast combination cold water and gas fixture provided with wrist blade handle and ball-cock gas valve for ADA; one G.F.I. duplex electrical outlet; one Shelresin drop-in sink (14" x 10" x 5") I.D. with (1 1/2 ") sink outlet and stopper; one upright rod assembly; two upright rod sockets in top. Trap not included.



20696 • 20698 (20696 Reversed) - Instructor Desk



96"Length X 31"Width X 34"Height

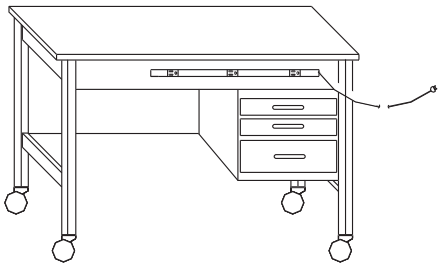
Work top is (1") Shelresin. Base cabinets include one sink unit, one seven -drawer cabinet & one knee space. Assembly provided with finished back. Services include one Unicast combination cold water and gas fixture provided with wrist blade handle and ball-cock gas valve for ADA; one G.F.I. duplex electrical outlet; one Shelresin drop-in sink (18" x 15" x 4 1/2") I.D. with (1 1/2 ") sink outlet and stopper; two upright rod sockets in top; one upright rod assembly. Trap not included.

*** ALL MODELS AVAILABLE WITH LOCKS FOR ADDITIONAL COST.**

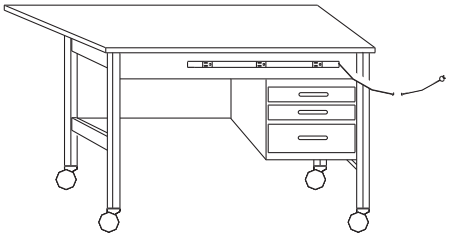
20790 - Instructor Desk

54"Length X 24"Width X 36"Height

*This mobile instructor's demo center features a (1") thick Shelresin top. One storage cubicle (15"D x 20"L x 16 3/4"H) with three drawers. Assembly is provided with finished back. Four (4") rubber-tired swivel casters, two with locking brakes. 110V electrical raceway with three plug-in receptacles with cord. Full length modesty panel. Unit provided with one **86375** c-clamp upright rod assembly. Rod storage incorporated into frame.*



20795 - Instructor Desk



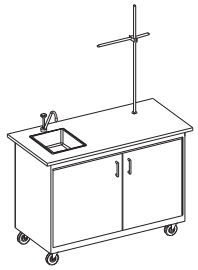
68"Length X 24"Width X 36"Height

*This mobile instructor's demo center features a (1") thick Shelresin top, angled to interface with the Sheldon Trifacial Service Island or wall sink. Desk features one storage cubical (15"D x 20"L x 16 3/4"H) with three drawers. Assembly is provided with finished back. Four (4") rubber-tired swivel casters, two with locking brake. 110V electrical raceway with three plug-in receptacles. Full length modesty panel. Unit provided with one **86375** c-clamp upright rod assembly. Rod storage incorporated into frame.*

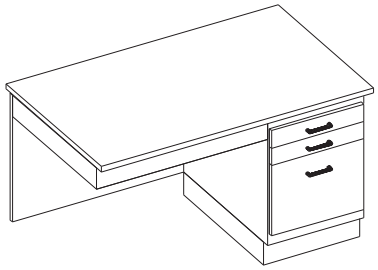
20692 - Instructor Desk

49"Length X 24"Width X 36"Height

This mobile instructor's demo center features a (1") thick Phenolic Resin countertop; two (2) hinged doors. Assembly is provided with finished back. Unit includes: four (4) 4" rubber tired swivel casters, two with locking brakes. Service includes a 1-gallon polyethylene water supply container connected to a chrome plated galley pump. Stainless steel sink connected to a 1-gallon polyethylene waste container. four (4) plastic tote trays (16 1/2" x 12" x 4"D). One (1) 110V G.F.I. duplex receptacle with 10'L, 3-wire extension cord and grounded plug. One upright rod assembly set.



20630 • 20635 (20630 Reversed) - Instructor Desk Extension



50 1/2"Length X 31"Width X 29"Height

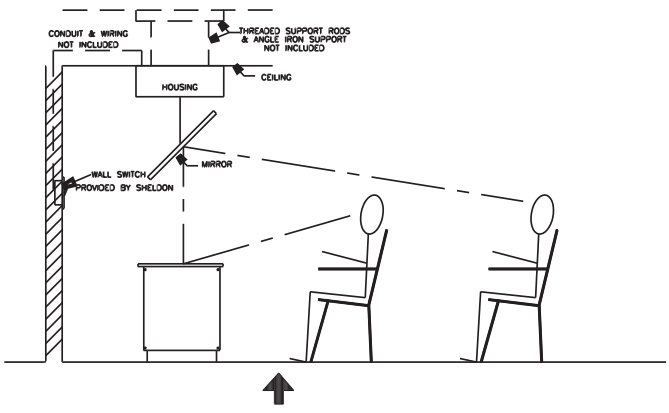
Top is 1" Shelresin. Unit provided with one (1) knee space apron; (1) cabinet with two small drawers and (1) file drawer. Finished back is provided.

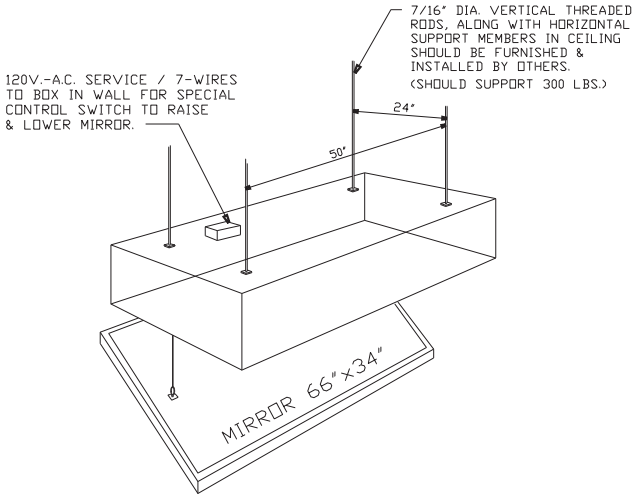
*** ALL MODELS AVAILABLE WITH LOCKS FOR ADDITIONAL COST.**

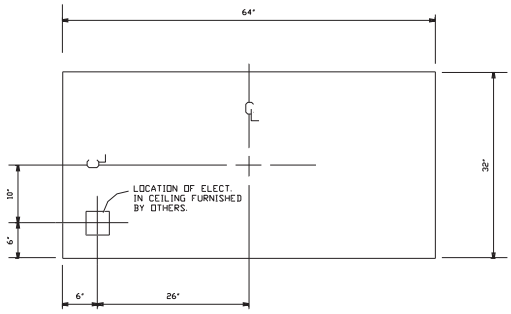
22220 - Visual Aider Mirror

64”Length X 32”Width X 11 1/4”Height (Mechanism in finished plywood box; mirror is 66” x 34”)

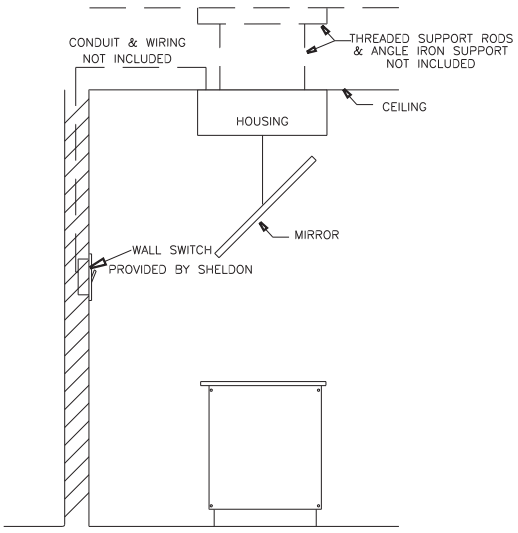
With the Visual Aider Mirror, it is rare for a student’s view of a demonstration to be blocked. Sheldon’s retractable demonstration mirror gives every student an unobstructed view of tabletop demonstrations.

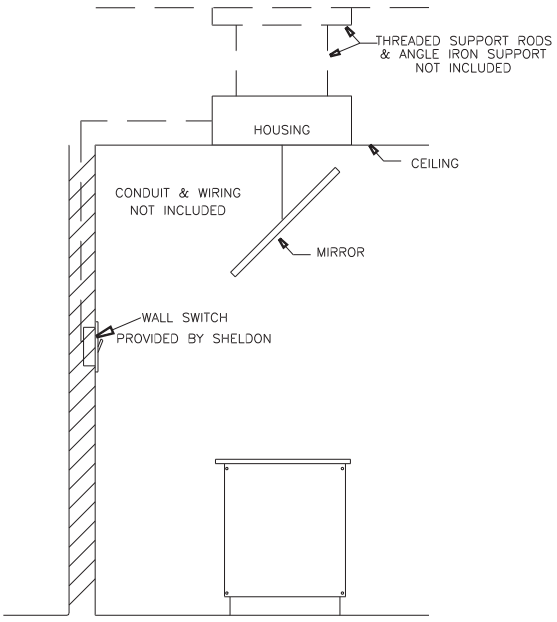




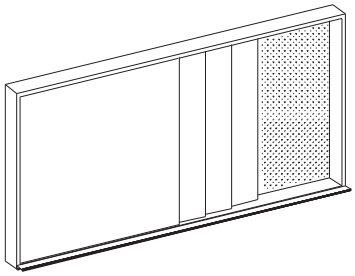


Framed overhead mirror is supported on cables and safety harness. The plywood box may be hung exposed under the ceiling or concealed flush within the ceiling. Control switch, installed where desired, activates mechanism that raises or lowers the mirror into position.



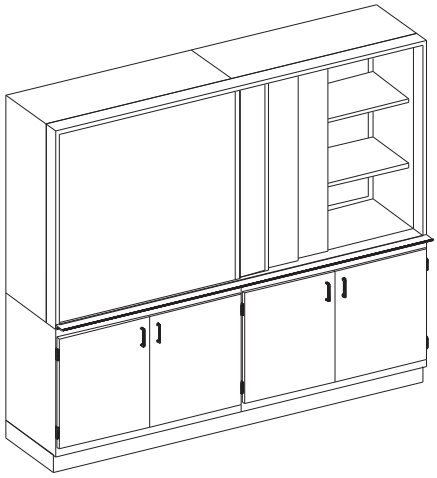


22326 (Open Back) • 22321 (22326 with corkboard back) - Sliding Chalkboard



94"Length X 6"Width X 48"Height
These chalkboards are for wall or counter mounting, and with corkboard back omitted, they may be used as a pass-through to room or the area behind. Panels are LCS white markerboard.

22310 - Sliding Chalkboard Assembly



94"Length X 21 5/8"Width X 82 3/4"Height

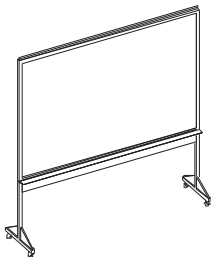
This Sliding Chalkboard Assembly provides almost twice the writing surface a conventional chalkboard offers in the same wall space. Equally important is the storage space this unit offers at the point of use. The panels slide open for access to built-in storage shelves.

Assembly is complete with ends that match standard tall case which may be placed at either side of the chalkboard. Chalkboard section framework of anodized aluminum encloses four sliding chalkboard panels. Each writing surface is approximately 39" x 43"H. Standard panels are LCS white markerboard. Chalk rail is three (3") wide. A map rail with adjustable spring clip holders and tack strip is mounted on the top rail of the chalkboard.

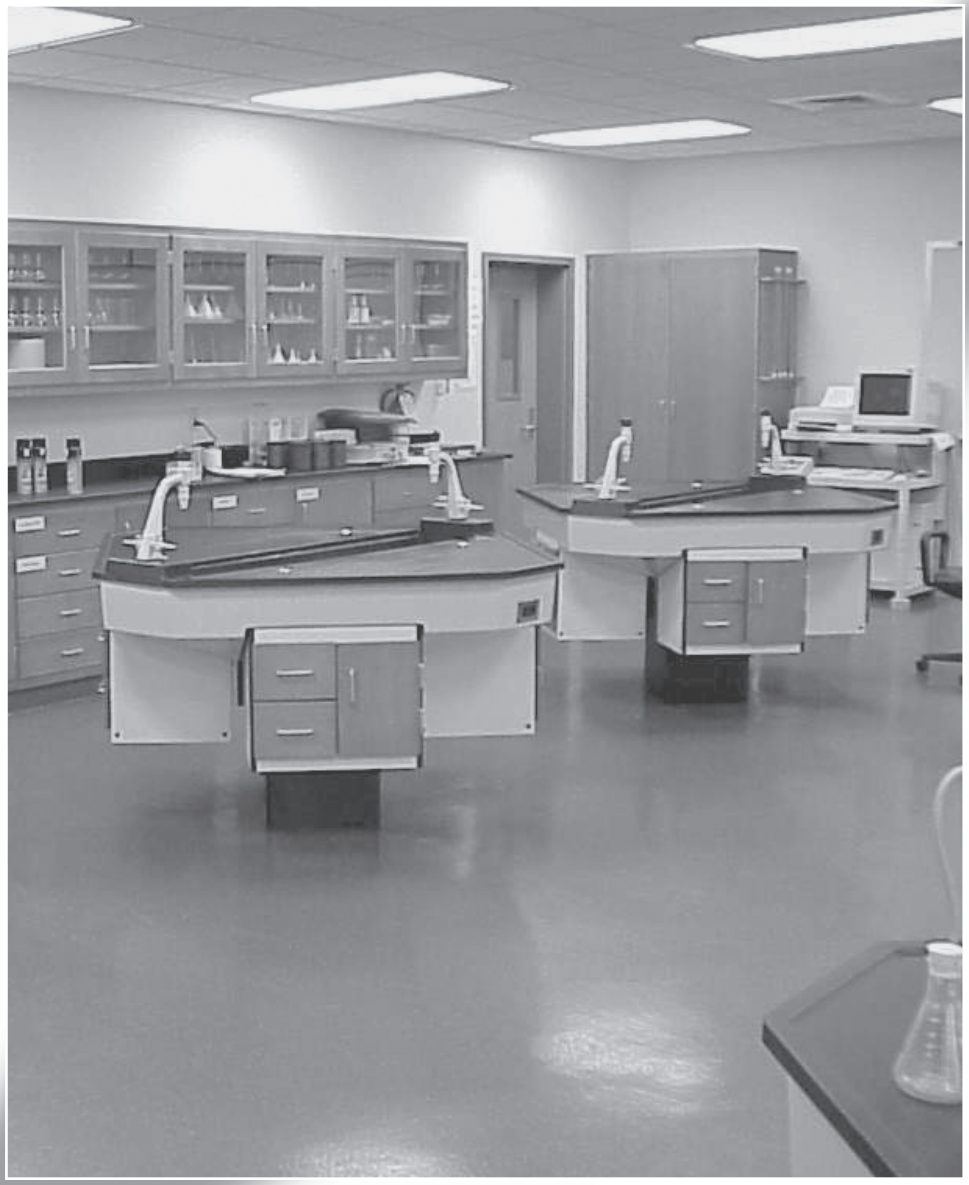
Two shelving units are furnished behind sliding chalkboard panels. Each of these (15 3/4 ") deep units includes two adjustable shelves.

Lower section includes two cupboard base units.

22420 - Portable Chalkboard



72"Length X 28"Width X 73"Height
Best-Rite movable multipurpose chalkboard with aluminum frame. Writing surface is (72"W x 48"H) and provided with Lightning Board Projection Surface on one side, and natural cork on reverse side. Deluxe aluminum frame with steel legs. Features (4) 2 1/2" casters - two locking and two non-locking. Full-length chalk tray on chalkboard side. Low glare surface for projection use in Light Gray color. Unit is for chalk and marker use.



Student Laboratory Tables

For an authorized Sheldon Laboratory Systems Dealer near you, visit our website - www.sheldonlabs.com

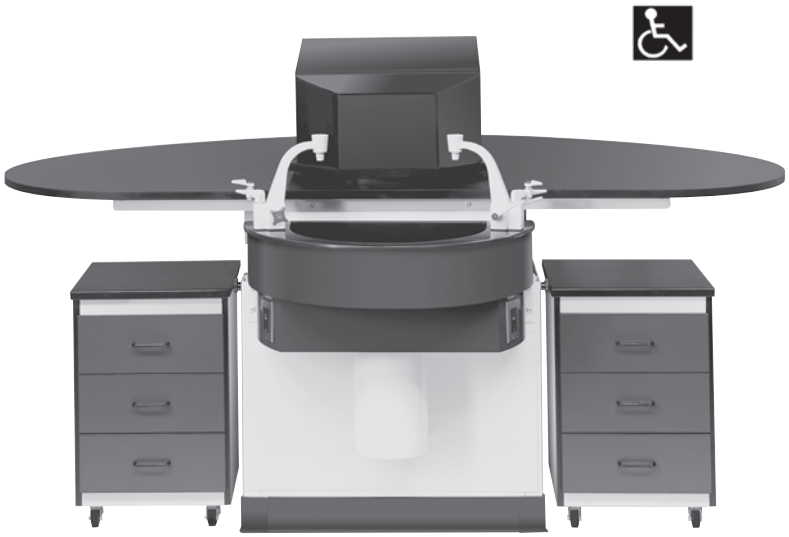
STUDENT LABORATORY TABLES

Sheldon LABORATORY SYSTEMS

- ✧ Axis 3® Lab Tables
- ✧ TE II Lab Tables
- ✧ Island Lab Tables
- ✧ Pier Lab Tables
- ✧ Pier Lab Table Cabinet Options
- ✧ Chemistry Tables
- ✧ Physics Tables
- ✧ Trifacial Service Islands
- ✧ Student Tables

16000 • 16100 - Axis 3® Four Student-Lab Station

96"Length X 50"Width • Overall Work Surface with curvilinear shape • Height Adjustable from 30" to 36" (NOTE: Manual Height Adjustment on 16100)
34"Width X 24"Depth • Fixed Metal Base with removable access panels on two sides.
*** Contractor should provide empty conduit in floor to accommodate computer network cabling, as well as 110V power source above floor with junction box and duplex receptacle.**



16000 Axis 3® Table
shown with Optional Mobile Storage Cabinets

The Axis 3® Four-Student Lab Table was the first lab station designed to accommodate the latest in computer technology. In addition, it was designed to combine lab and lecture into one dynamic learning space, provide ADA wheelchair accessibility at all points of use and serve as a multipurpose table.

The table is available in a variety of ways that will allow for the use of a desktop computer with standard monitor, a flat screen monitor or individual laptops.

The unique shape of the top allows four students to work in pairs facing the instructor, or individually around the perimeter of the table with access to the sink and services. The tabletop may be quickly adjusted from sitting height to standing height (30"-36"). This is accomplished by specifying a motorized mechanism, a manual crank mechanism or an electric powered screw-drive mechanism.

The smooth, curvilinear shaped top with raised contoured edge eliminates sharp corners found on traditional lab tables and allows easy maneuvering around tables and aisles by both students and their instructor.

STANDARD FEATURES -

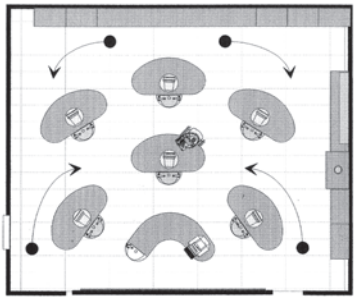
- Raised Edge Epoxy Resin Top
- Sink Assembly with Two (2) Unicast Fixtures & Two (2) Duplex GFI Electrical Outlets
- Recessed Rotating Monitor Well
- Remote Wireless Keyboard
- Pullout CPU Shelf
- Two (2) C-Clamp Upright Rod Assemblies
- Motorized Height Adjustment (one control per room)
- Optional Storage Cabinets are available.
- Trap not included.

16700 • 16710 - Axis 3® Four Student-Lab Station

84"Length X 50"Width
• Overall Work Surface with curvilinear shape

• 16700 - Motorized Height Adjustment
• 16710 - Manual Height Adjustment

*** Contractor should provide empty conduit in floor to accommodate computer network cabling, as well as 110V power source above floor with junction box and duplex receptacle.**



Typical Axis 3® Floor Plan

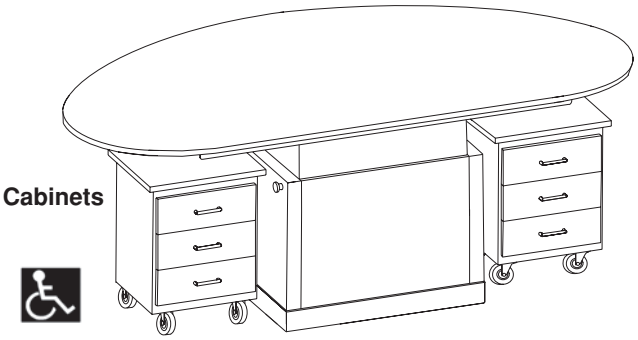
16200 - Axis 3® Four Student-Lab Station

96"Length X 50"Width • Overall Work Surface with curvilinear shape • Height Adjustable from 30" X 36" with manual crank mechanism.
34"Width X 24"Depth • Fixed Metal Base with removable access panels on two sides.
*** Contractor should provide empty conduit in floor to accommodate computer network cabling, as well as 110V power source above floor with junction box and duplex receptacle.**

16720 - Axis 3® Four Student-Lab Station

84"Length X 50"Width • Overall Work Surface with curvilinear shape.

16200
Axis 3® Table
shown with
Optional Mobile Storage Cabinets



STANDARD FEATURES -

- 8" Raised Edge Epoxy Resin Top
- Manual Height Adjustment with hand crank mechanism
- Optional Storage Cubicles are available.

Options Available for the 16200 & 16720 -

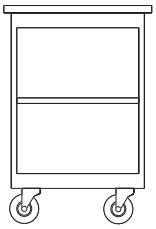
- Sink Assembly with Two Unicast Fixtures and Two Duplex GFI Electrical Outlets
- Sink Assembly with Two Unimix Fixtures and Two Duplex GFI Electrical Outlets
- Sink Assembly with Two Unicast ADA Fixtures and Two Duplex GFI Electrical Outlets
- Sink Assembly with Two Unimix ADA Fixtures and Two Duplex GFI Electrical Outlets
- Recessed Monitor Well
- Remote Keyboard
- Pullout CPU Shelf
- Universal Tower CPU Holder Assembly
- Motorized Height Adjustment Assembly (One Control Device per room)
- Electric Powered Screw-Drive for Height Adjustment (One Control Device per room)
- Recessed Tabletop Large Power Trough with Four Power Outlets & Four RJ45 Data Outlets (For Laptop use in lieu of monitor well)
- Recessed Tabletop Small Power Trough with Two Power Outlets & Two RJ45 Data Outlets (For Laptop use in lieu of monitor well)
- Service Tower with Two Duplex Electrical Outlets (Provided in lieu of Sink Assembly)
- Black Epoxy Resin Top without Raised Edge (Machined edge - NOT MOLDED)
- Two (2) C-Clamp Upright Rod Assemblies
- Additional Data Power Outlet Cutouts
- Loop-Vent Accommodation Package

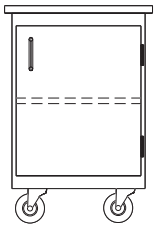
Optional Mobile Storage Cabinets for the 16000 & 16200 Axis 3® Tables

18"Width X 16"Depth X 27"Height

Mobile storage cabinets feature black plastic laminate top & plastic laminate cabinet.
Wood cabinet is available at extra cost.

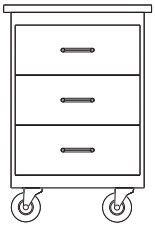
16210 • Open Storage Cabinet



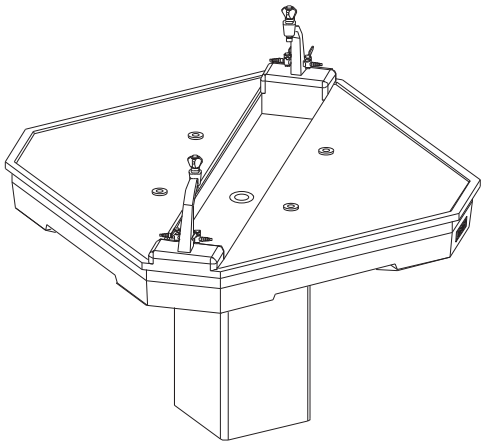


16220 • Cupboard Storage Cabinet

16230 • Three Drawer Storage Cabinet

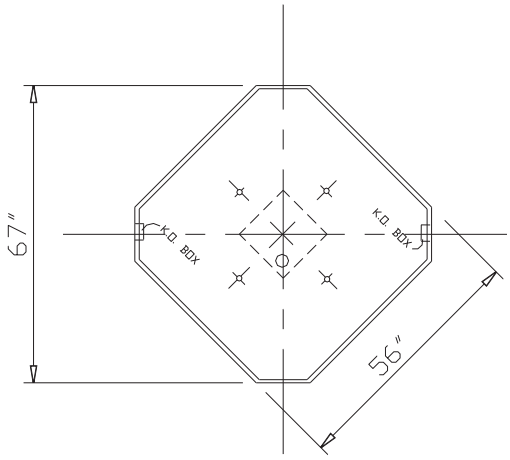


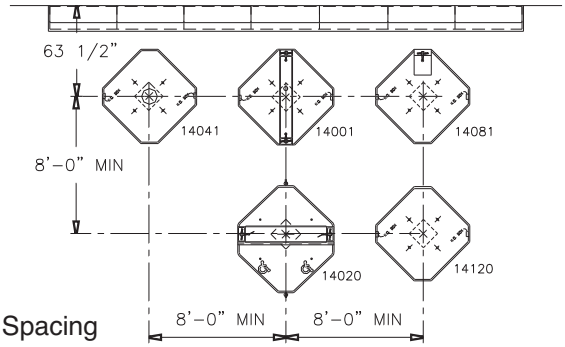
TE II Lab Centers



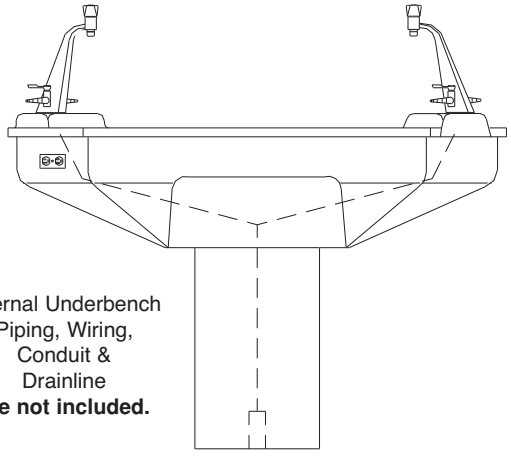
The Total Experience® II Lab Centers utilize all available floor space. The center integrates work counter, standing area and traffic lanes for complete floor coverage.

The TE II Center design assures each individual of a safe work station. Each student has the use of more front counter space and elbow room. Other workers and activities are within his angle of vision. Each student can work with either of his neighbors across from his corner. Traffic lanes are clear in every direction because students are not working back-to-back obstructing aisles.

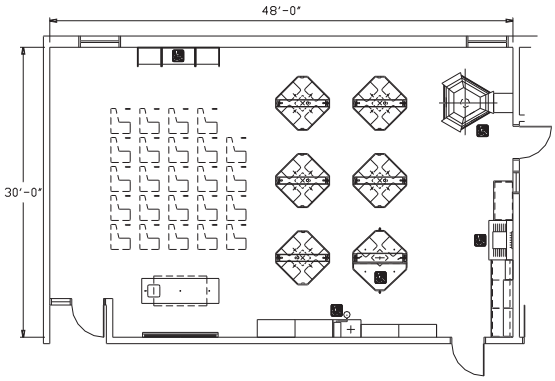




Minimum Spacing Recommendations



Internal Underbench Piping, Wiring, Conduit & Drainline **are not included.**

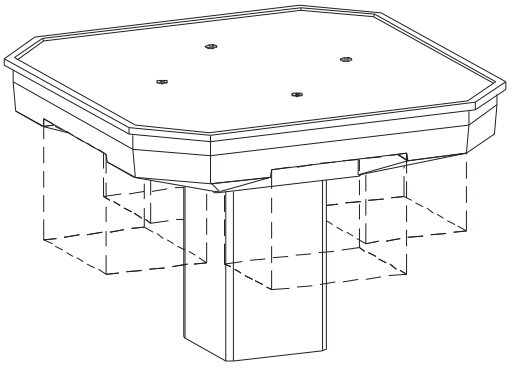


Typical TE II Floor Plan

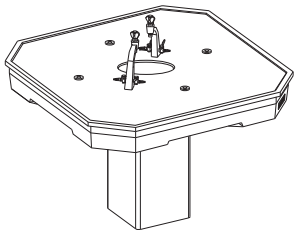
TE II Lab Centers

56" X 56" X 67"

Top materials for TE II Lab Tables are as specified for each model. The support structure is of glass fiber reinforced structural polyester, bolted to a formed 10 gauge steel pedestal with interior reinforcement for securing to floor and removable panel for access to plumbing. A series of bolt holes in the pedestal allows for attaching support structures at various heights to provide finished center heights from (32" to 38 1/2"). Centers are equipped with two #85101 duplex electrical receptacles and are designed to accept optional storage cubicles.



Note: If cubicles are desired, select up to four per table. Optional upright rods are available at an additional cost.



14041 • Student Center

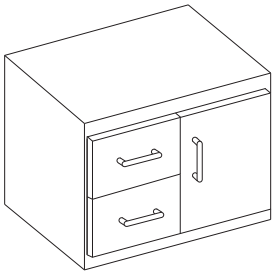
Top materials of (1") thick Shelresin. (12") diameter center sink of Shelresin. Accessories include two #80020 Unicast combination cold water and gas fixtures, two #85101-GFI duplex electrical outlets, four #86320 upright rod sockets in top.

Optional TE II Storage Cubicles

19 15/16" X 15" X 16 3/4"

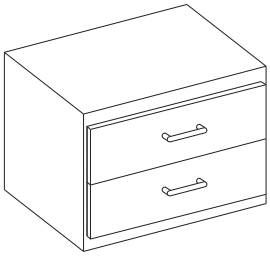
Precisely organized relocatable modules for each discipline. Provides instant access for more efficient use of time and point-of-use storage. Standard color is Twilight; doors and drawers may be specified with oak wood or plastic laminate fronts.

49440 • Combination



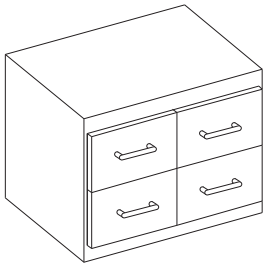
Two drawers, each (6 7/8" X 13" X 4 1/4") I.D. with cupboard unit and adjustable shelf. Locks furnished at an additional cost.

49460 • Apparatus Storage



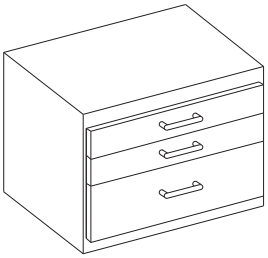
Two drawers, each (16 5/8" X 13" X 4 1/4") I.D. Locks furnished at an additional cost.

49420 • Chemistry Drawers



Four drawers, each (6 7/8" X 13" X 4 1/4") I.D. Locks furnished at an additional cost.

49470 • Biology Drawers



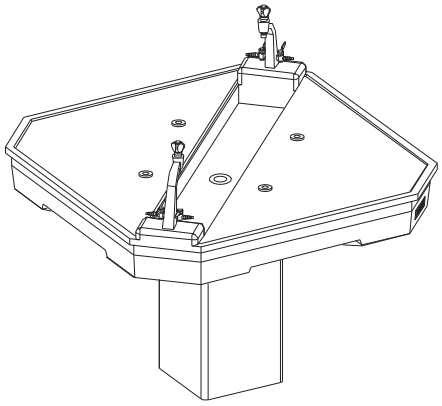
Three drawers; two (16 5/8" X 13" X 2") I.D., and one drawer (16 5/8" X 13" X 4 1/4"). Locks furnished at an additional cost.

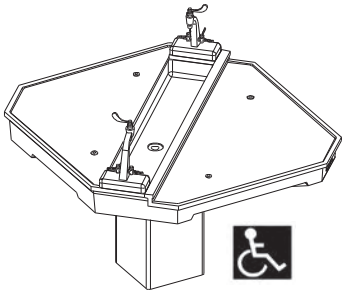
14001 • Student Center

56" X 56" X 67"

Top materials of (1") thick Shelresin, trough and turrets of Shelresin. Accessories include two #80020 Unicast combination cold water and gas fixtures, two #85101-GFI duplex electrical outlets, four #86320 upright rod sockets in top.

14001 is available with 14002 corrosion resistant trough covers.





14020 • ADA Student Center

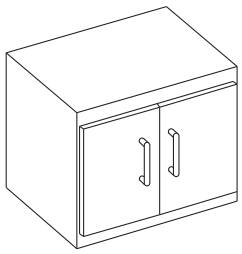
Top materials of (1") thick Shelresin, trough and turrets of Shelresin. Accessories include two #80020-WB-BV Unicast combination cold water and gas fixtures with wrist blade handles, two #85101-GFI duplex electrical outlets, four #86320 upright rod sockets in top. Lower side of table accommodates two wheelchairs.

14020 is available with 14002 corrosion resistant trough covers.

Optional TE II Storage Cubicles

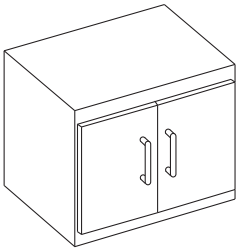
TE II Storage Cubicles are also available in a mobile ADA version (Not Shown) for locations under wheelchair kneespace of ADA TE II Tables. When specifying, add "H" prefix to standard Storage cubicle model number. ADA Mobile Storage Cubicles have an overall height of (26 1/2") including top and casters. Cabinet is (19 15/16" wide X 15" Deep).

49400 • Cupboard



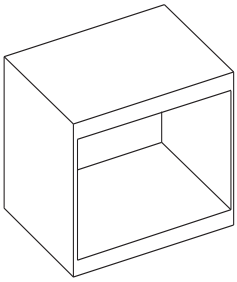
Locks furnished at an additional cost.

49410 • Microscope

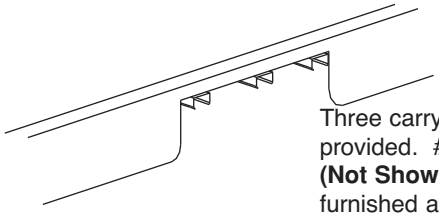


Two cupboards, each (9" X 14 1/2" X 12 3/4") I.D. Locks furnished at an additional cost.

49480 • Open Storage



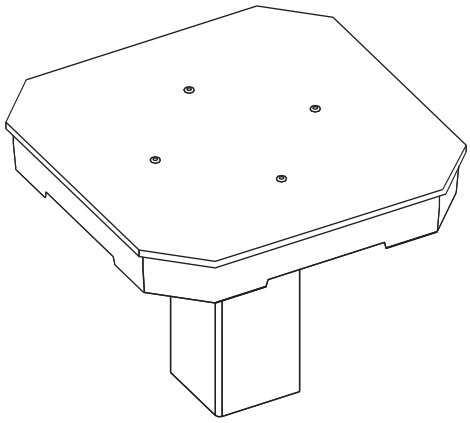
49490 • Carryall Storage



Three carryall runners provided. #14220 Carryalls **(Not Shown)** can be furnished at an additional cost.

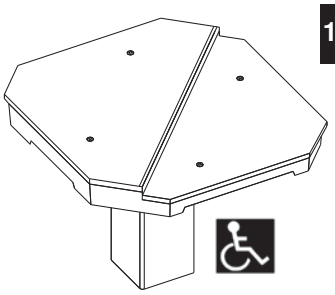
14120 • Student Center

56" X 56" X 67"



Top material of (1 3/4") thick edgegrain Maple electronically laminated. Accessories include two #85101 duplex electrical outlets, four #86320 upright rod sockets in top.

14121 Same as 14120, except top is (1") thick plastic laminate.
14122 Same as 14120, except top is (1") thick phenolic resin.
14123 Same as 14120, except top is (1") thick Shelresin.



14124 • ADA Student Center

Top material of (1 3/4") thick edgegrain Maple electronically laminated. Accessories include two #85101 duplex electrical outlets, four #86320 upright rod sockets in top. Lower side of table accommodates two wheelchairs.

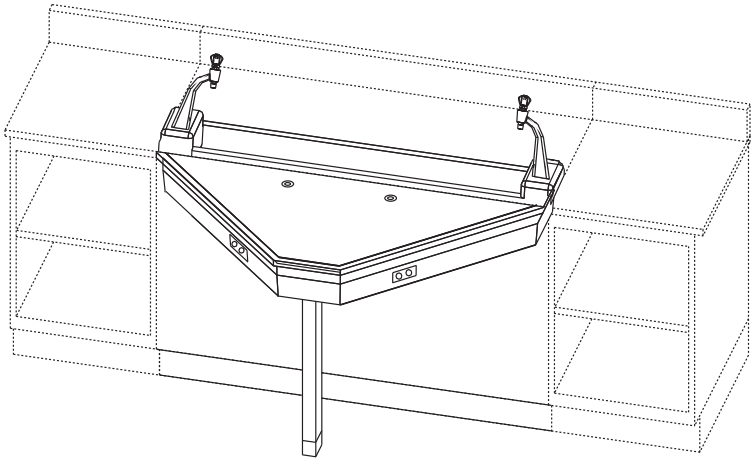
14125 Same as 14124, except top is (1") thick plastic laminate.
14126 Same as 14124, except top is (1") thick phenolic resin.
14127 Same as 14124, except top is (1") thick Shelresin.

14001-5 • Half TE II Student Center

A two (2) student version of the four-student TE II Laboratory Table. Top support structure is constructed of solid hardwood oak framing with support leg secured to frame.

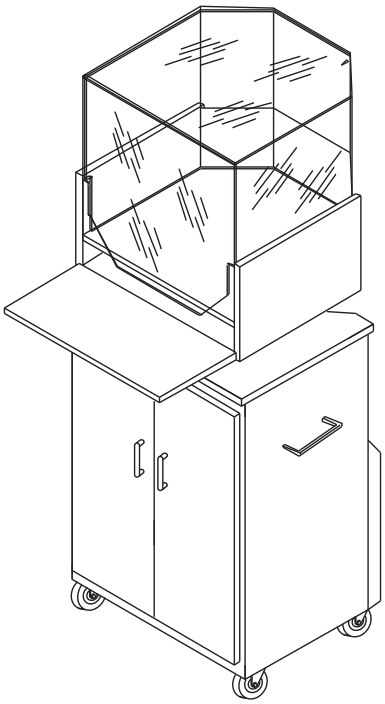
Top material of (1") thick Shelresin; trough and turrets of Shelresin. Accessories include two #80020 Unicast combination cold water and double gas fixtures, two #85101-GFI duplex electrical outlets, two #86320 upright rod sockets in top.

Unit is available with 14002 corrosion resistant trough covers.



69900 • Computer on Wheels (C.O.W.)

5' 6 1/2" (Height) X 2' 2 1/2" (Width) X 1' 11 1/4" (Depth)



The Sheldon Computer on Wheels is designed to interface computer based laboratory experiments with the Sheldon TE II Four-Student Laboratory Table.

This unit, which is capable of housing monitor, keyboard, CPU, printer, probes and software, can be used as a complete, self-contained unit that can be locked, secured and conveniently stored in a designated location when not in use. Each TE II table is capable of accommodating up to two (2) computer centers.

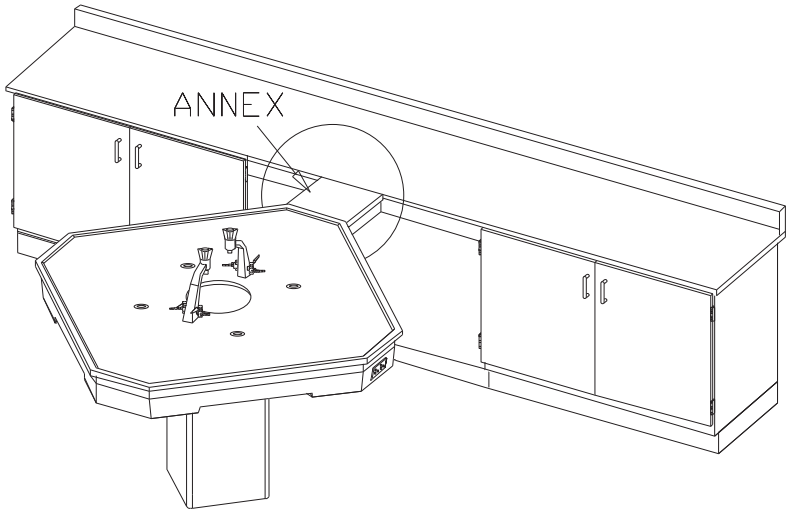
Its unique over/under design allows the lower storage unit to dock under the TE II table while the upper storage unit extends over the table work surface for easy viewing from each student's station. Because of the compact contoured design, this unit requires minimal floor space in order to avoid interference with traffic patterns, allowing instructor easy access from table to table for proper supervision.

This unit will also accommodate TE II table stand up height, as well as "ADA Accessible Guidelines" height. Cabinet is assembled with thru-bolt construction, twilight colored melamine end panels, interior and high pressure laminate doors with black PVC edge banding. Cabinet is mounted on four (4) heavy duty, dual wheel casters. Unit is provided with a pull-out drawer, pull-out printer stand and paper storage shelf, which is accessible through front by lockable double doors.

Computer monitor assembly is mounted on a heavy-duty swivel device that rotates 359 degrees. Computer monitor is protected by a transparent Lexan hood that is mounted on flip-down hinged, lockable see-thru panel.

141212 • TE II Annex Assembly

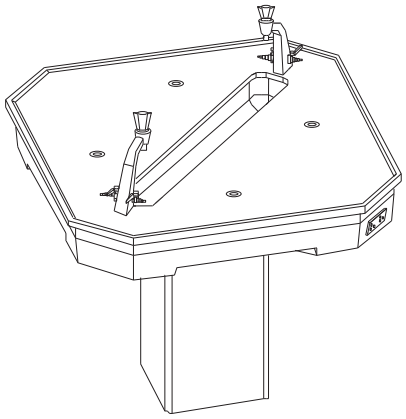
This assembly is used to connect the TE II Student Lab Table to countertop work surface allowing additional countertop space at each lab station. Assembly consists of 11W" X 12L" Shelresin top and wood apron rails.



TE II Lab Centers • STV

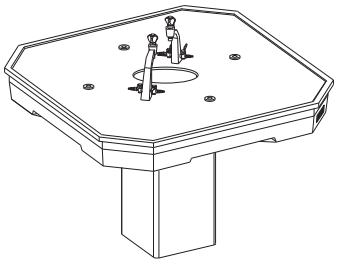
The Small Top TE II Lab Table is offered in three standard versions • 48" X 48" X 57"

14211 • Small Top TE II Student Center



Featuring a Shelresin trough, two #80020 Unicast combination cold water and gas fixtures, two #85101-GFI duplex electrical outlets, four #86320 upright rod sockets in top.

14311 (Not Shown) ADA Version of 14211, provided at 34" height, with wrist blade fixture handles. Wheelchair accessibility available at parallel approach.

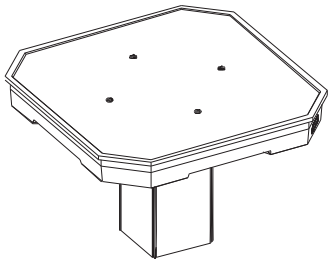


14241 • Small Top TE II Student Center

Featuring a Shelresin sink, two #80020 Unicast combination cold water and gas fixtures, two #85101-GFI duplex electrical outlets, four #86320 upright rod sockets in top.

14341 (Not Shown) ADA Version of 14241, provided at 34" height, with wrist blade fixture handles. Wheelchair accessibility available at parallel approach.

14233 • Small Top TE II Student Center

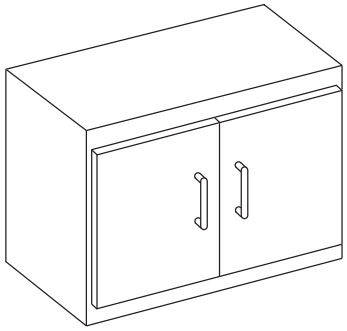


Featuring a top material of (1") thick Shelresin, two #85101-GFI duplex electrical outlets, four #86320 upright rod sockets in top.

Optional Small-Top TE II Storage Cubicles

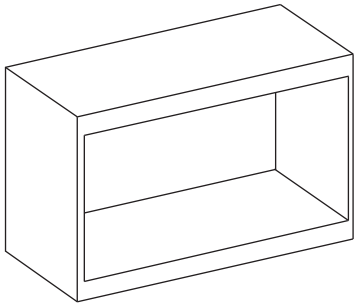
19 15/16" X 11" X 16 3/4" (Height)
Provides instant access for more efficient use of time and point-of-use storage. Standard color is Twilight; doors may be specified with oak wood or plastic laminate fronts.

48400 • Cupboard



Locks furnished at an additional cost.

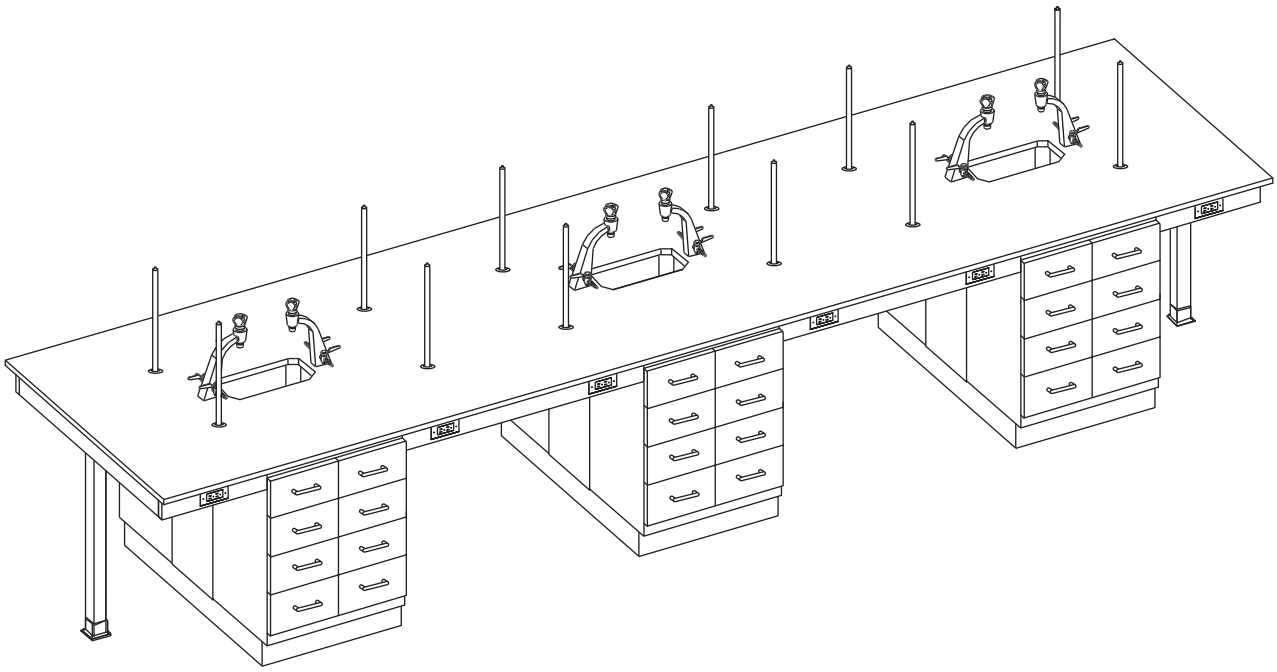
48480 • Open Storage



17500 - Island Lab Tables

Tables - 16'(Length) X 48"(Width) X 36"(Height)

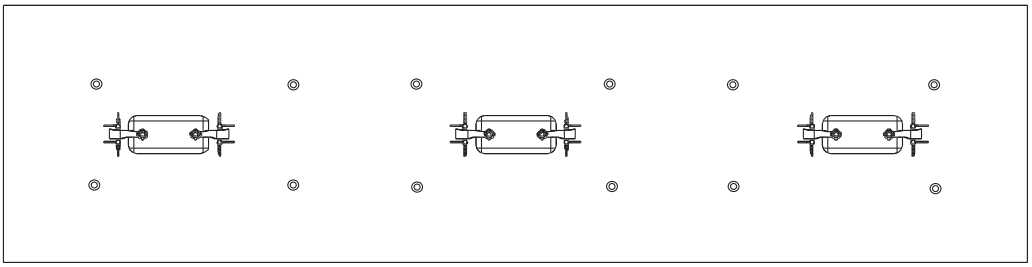
Sinks - 16"(Length) X 8"(Width) X 7"(Depth)



STANDARD FEATURES -

- One (1") inch thick Shelresin Counter Top
- Six (6) #B243616-544 Eight Drawer Base Cabinets
- Three (3) 16" X 8" X 7" I.D. Resin Sinks with Outlet
- Six (6) Unicast Combination Cold Water & Gas Fixtures
- Twelve (12) GFI Duplex Receptacles
- Twelve (12) 3/4" Burrette Rods
- Traps not included.

Designed for twelve students. Each student has individual storage facilities at his lab station.



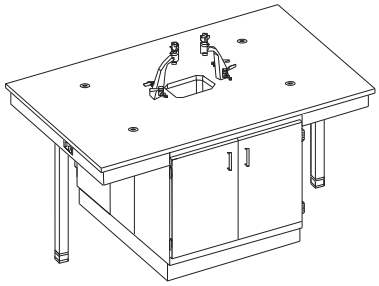
*** AVAILABLE WITH LOCKS FOR ADDITIONAL COST.**

STUDENT LABORATORY TABLES

✧ Island Lab Tables

Sheldon LABORATORY SYSTEMS

17700 • Island Lab Table
72”L X 44 1/2”W X 36”H

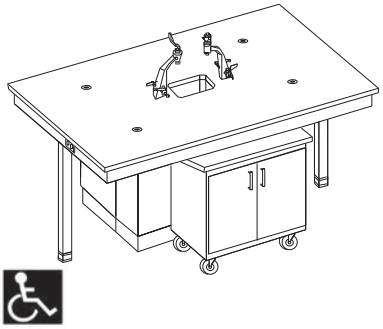


17701 • same as 17700, except services NOT INCLUDED.

STANDARD FEATURES -

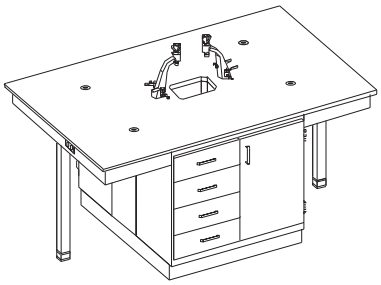
- One (1”) inch thick Shelresin Counter Top
- Two (2) #B353616-200 Base Cabinets; each with one adjustable shelf
- Shelresin Sink (18” X 6 1/2” X 6.8”)I.D. with Outlet
- Two (2) Unicast Combination Cold Water & Gas Fixtures
- Two GFI Electrical Outlets
- Four (4) Upright Rod Sockets In Top
- Rods furnished when specified at an adjusted price.
- Locks furnished when specified at an adjusted price.
- Trap NOT INCLUDED
- **17705** - Same as **17700**, except provided with one (1) 30” wide movable storage cubicle for ADA accessibility. One fixture provided with wristblade handle.

17705 • ADA Island Lab Table
72”L X 44 1/2”W X 34”H



17706 • same as 17705, except services NOT INCLUDED.

17710 • Island Lab Table
72”L X 44 1/2”W X 36”H

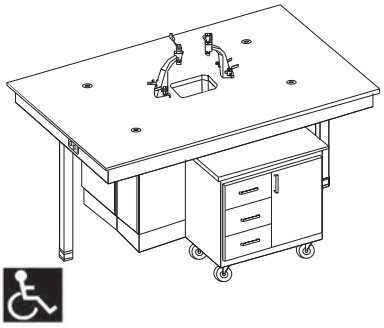


17711 • same as 17710, except services NOT INCLUDED.

STANDARD FEATURES -

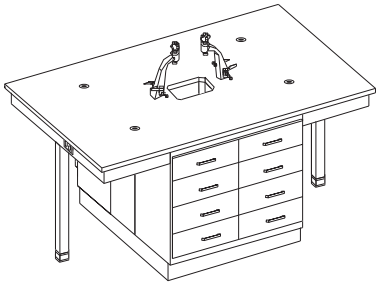
- One (1”) inch thick Shelresin Counter Top
- Two (2) #B353616-420 Base Cabinets; each with four drawers and cupboard
- Shelresin Sink (18” X 6 1/2” X 6.8”)I.D. with Outlet
- Two (2) Unicast Combination Cold Water & Gas Fixtures
- Two GFI Duplex Electrical Outlets
- Four (4) Upright Rod Sockets In Top
- Rods furnished when specified at an adjusted price.
- Locks furnished when specified at an adjusted price.
- Trap NOT INCLUDED
- **17715** - Same as **17710**, except provided with one (1) 30” wide movable storage cubicle for ADA accessibility. One fixture provided with wristblade handle.

17715 • ADA Island Lab Table
72”L X 44 1/2”W X 34”H



17716 • same as 17715, except services NOT INCLUDED.

17720 • Island Lab Table
72”L X 44 1/2”W X 36”H

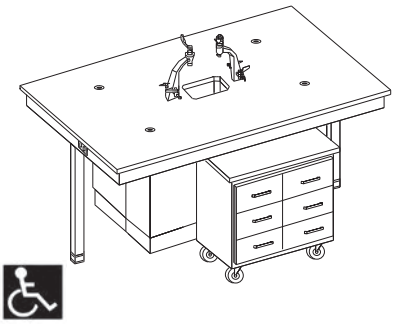


17721 • same as 17720, except services NOT INCLUDED.

STANDARD FEATURES -

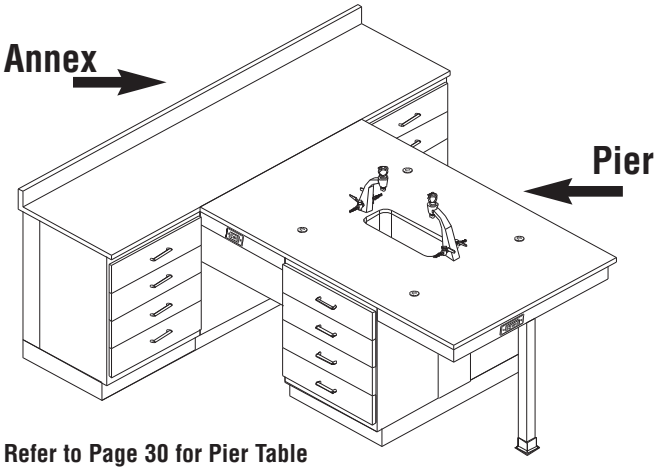
- One (1”) inch thick Shelresin Counter Top
- Two (2) #B353616-544 Base Cabinets; each with eight (8) drawers
(14 5/16” X 13” X 4 1/16”)I.D.
- Shelresin Sink (18” X 6 1/2” X 6.8”)I.D. with Outlet
- Two (2) Unicast Combination Cold Water & Gas Fixtures
- Two GFI Duplex Electrical Outlets
- Four (4) Upright Rod Sockets In Top
- Rods furnished when specified at an adjusted price.
- Locks furnished when specified at an adjusted price
- Trap NOT INCLUDED
- **17725** - Same as **17720**, except provided with one (1) 30” wide movable storage cubicle for ADA accessibility. One fixture provided with wristblade handle.

17725 • ADA Island Lab Table
72”L X 44 1/2”W X 34”H



17726 • same as 17725, except services NOT INCLUDED.

Pier Lab Tables • 66” Length X 42”Width X 36”Height



Refer to Page 30 for Pier Table Cabinet Options.

STANDARD FEATURES -

- One (1”) inch thick Shelresin Counter Top
- Shelresin Sink (18” X 6 1/2” X 6.8”)
- Two (2) Unicast Combination Cold Water & Gas Fixtures
- Three GFI Electrical Outlets
- Four (4) Upright Rod Sockets In Top
- Rods furnished when specified at an adjusted price.
- Locks furnished when specified at an adjusted price.
- Trap NOT INCLUDED
- Countertop on Annex is 36” High
- Countertop on Pier Table is 36” High

17880 (shown) features Two (2) Four-Drawer Cabinets on Annex and Two (2) Four-Drawer Cabinets on Pier Table.

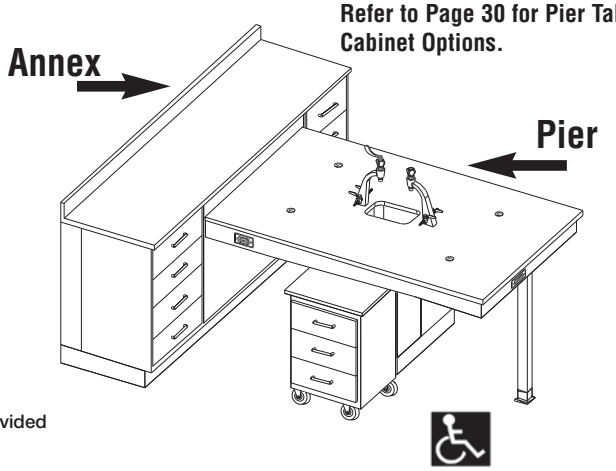
With Services	Without Services	ANNEX	Pier
17800	17801	(2) Cupboard Cabinets	(2) Cupboard Cabinets
17810	17811	(2) Cupboard Cabinets	(2) Drawer/Cupboard Cabinets
17820	17821	(2) Cupboard Cabinets	(2) Four-Drawer Cabinets
17830	17831	(2) Drawer/Cupboard Cabinets	(2) Cupboard Cabinets
17840	17841	(2) Drawer/Cupboard Cabinets	(2) Drawer/Cupboard Cabinets
17850	17851	(2) Drawer/Cupboard Cabinets	(2) Four-Drawer Cabinets
17860	17861	(2) Four-Drawer Cabinets	(2) Cupboard Cabinets
17870	17871	(2) Four-Drawer Cabinets	(2) Drawer/Cupboard Cabinets
17880	17881	(2) Four-Drawer Cabinets	(2) Four-Drawer Cabinets

ADA Pier Lab Tables • 66” Length X 42”Width X 34”Height

STANDARD FEATURES -

- One (1”) inch thick Shelresin Counter Top
- Shelresin Sink (9” X 6” X 5.8”)
- Two (2) Unicast Combination Cold Water & Gas Fixtures
- Three GFI Electrical Outlets
- One fixture provided with wristblade handle
- Four (4) Upright Rod Sockets In Top
- Rods furnished when specified at an adjusted price.
- Locks furnished when specified at an adjusted price.
- Trap NOT INCLUDED
- Countertop on Annex is 36” High
- Countertop on Pier Table is 34” High

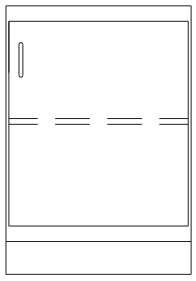
Refer to Page 30 for Pier Table Cabinet Options.



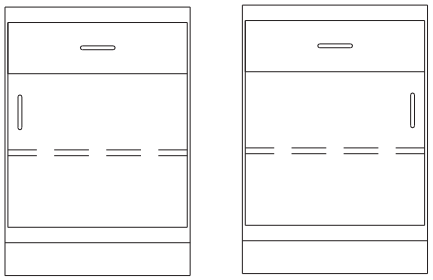
17885 (shown) features Two (2) Four-Drawer Cabinets on Annex; Pier Table provided with One (1) Four-Drawer Cabinet and One (1) Three-Drawer Mobile Cabinet.

With Services	Without Services	ANNEX	Pier
17805	17806	(2) Cupboard Cabinets	(1) Cupboard Cabinet, (1) Mobile Cupboard Cabinet
17815	17816	(2) Cupboard Cabinets	(1) Drawer/Cupboard Cabinet, (1) Mobile Drawer/Cupboard Cabinet
17825	17826	(2) Cupboard Cabinets	(1) Four-Drawer Cabinet, (1) Mobile Three-Drawer Cabinet
17835	17836	(2) Drawer/Cupboard Cabinets	(1) Cupboard Cabinet, (1) Mobile Cupboard Cabinet
17845	17846	(2) Drawer/Cupboard Cabinets	(1) Drawer/Cupboard Cabinet, (1) Mobile Drawer/Cupboard Cabinet
17855	17856	(2) Drawer/Cupboard Cabinets	(1) Four-Drawer Cabinet, (1) Mobile Three-Drawer Cabinet
17865	17866	(2) Four-Drawer Cabinets	(1) Cupboard Cabinet, (1) Mobile Cupboard Cabinet
17875	17876	(2) Four-Drawer Cabinets	(1) Drawer/Cupboard Cabinet, (1) Mobile Drawer/Cupboard Cabinet
17885	17886	(2) Four-Drawer Cabinets	(1) Four-Drawer Cabinet, (1) Mobile Three-Drawer Cabinet

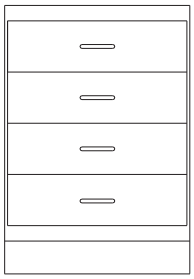
Cabinet Options for Pier Lab Tables • 24" (Wide) X 16" (Deep) X 36" (High)



CUPBOARD
B243616-100 24"W
B243616-101 24"W

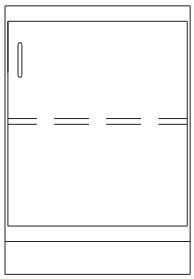


DRAWER CUPBOARD
B243616-400 24"W
B243616-401 24"W

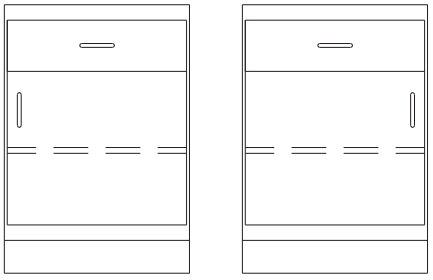


4-DRAWER
B243616-540
24"W

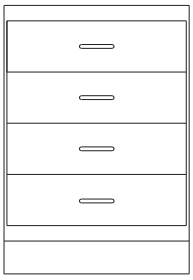
Cabinet Options for ADA Pier Lab Tables • 24" (Wide) X 16" (Deep) X 34" (High)



CUPBOARD
B243416-100 24"W
B243416-101 24"W

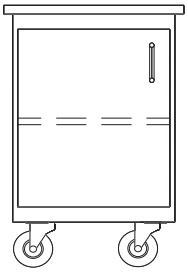


DRAWER CUPBOARD
B243416-400 24"W
B243416-401 24"W

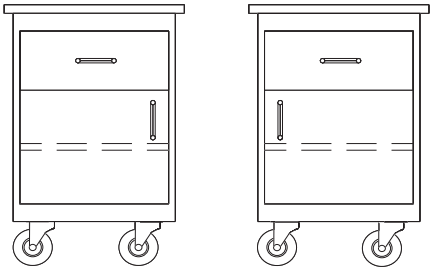


4-DRAWER
B243416-540
24"W

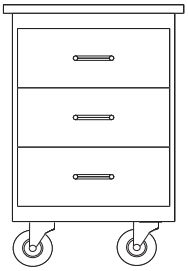
Mobile Cabinet Options for ADA Pier Lab Tables • 24" (Wide) X 16" (Deep) X 27 1/2" (High)



MOBILE CUPBOARD
BM242716-100
BM242716-101



MOBILE DRAWER / CUPBOARD
BM242716-400
BM242716-401

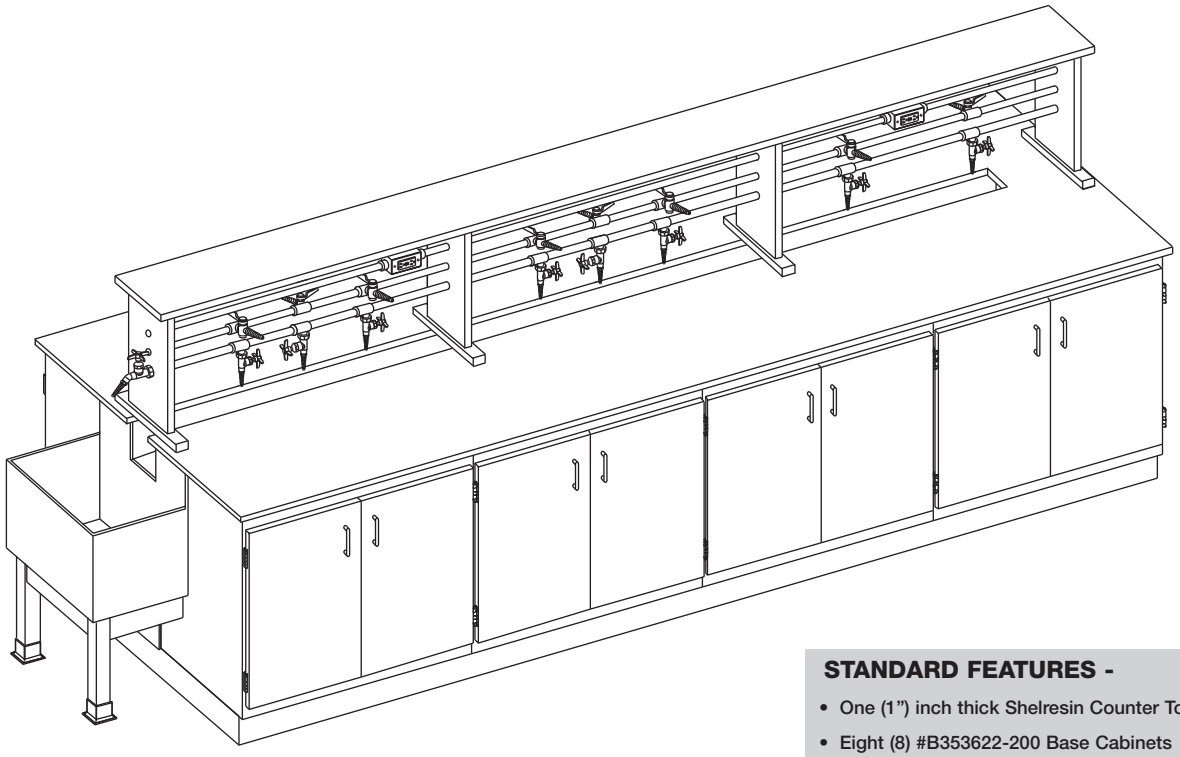


MOBILE THREE-DRAWER
BM242716-500

17510 • 17511 • 17512 - Center Chemistry Tables

Overall Top - 12'(Length) X 54"(Width) X 36"(Height) • Reagent Shelf - 11' 9 1/2"(Length) X 12"(Width) X 18"(Height)
Sink, I.D. - 21 1/2"(Length) X 13 1/2"(Width) X 12 5/8"(Depth)

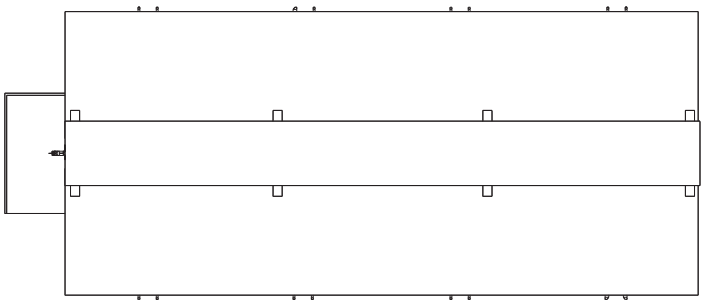
- **17511** same as **17510**, except provided with (8) #B353622-420 Four-Drawer & Cupboard Cabinets
- **17512** same as **17510**, except provided with (8) #B353622-544 Eight Drawer Cabinets



Designed for eight students. Each student has individual storage facilities at his lab station.

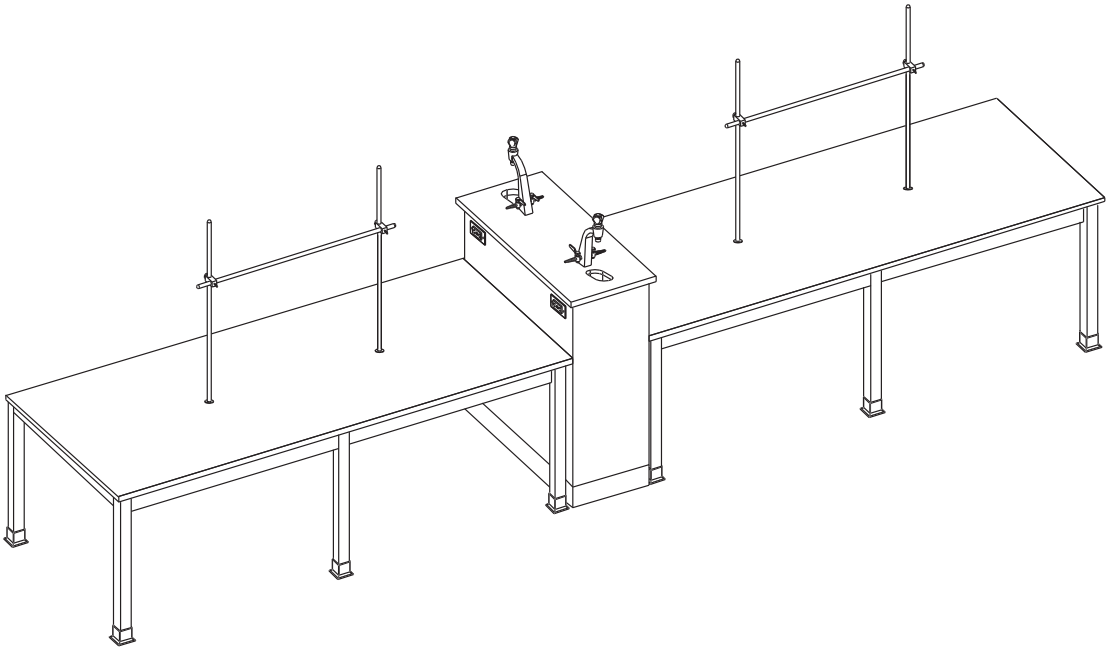
STANDARD FEATURES -

- One (1") inch thick Shelresin Counter Top
- Eight (8) #B353622-200 Base Cabinets
- Shelresin Drain, Trough & End Sink with Outlet
- Eight (8) Cold Water Cocks
- Eight (8) Single Gas Cocks
- Four (4) Duplex 110V AC Electrical Outlets
- One (1) Cold Water Bibb Cock
- Service Piping & Wiring NOT INCLUDED
- Phenolic Resin Reagent Rack
- Trap NOT INCLUDED

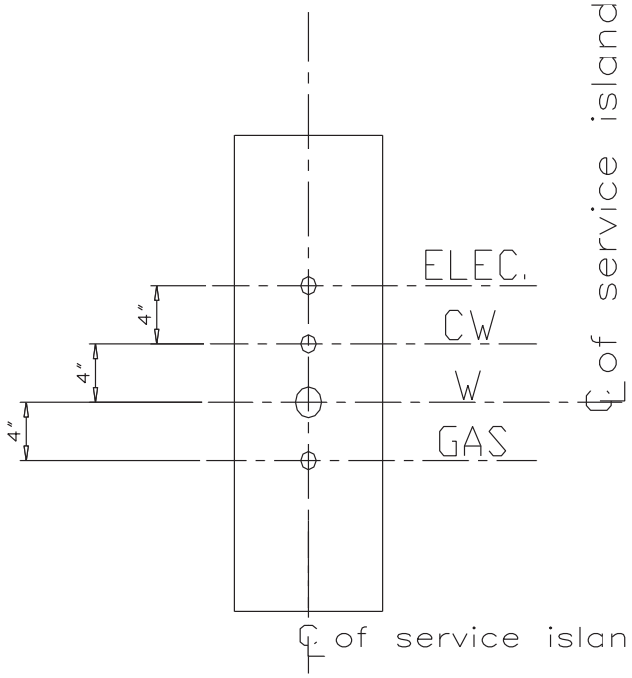


*** AVAILABLE WITH LOCKS FOR ADDITIONAL COST.**

41750 • 8 - Student Physics Table



This eight (8) student Physics table assembly combines two movable tables with a fixed service island for added flexibility.
One inch (1") Shelresin worktop.

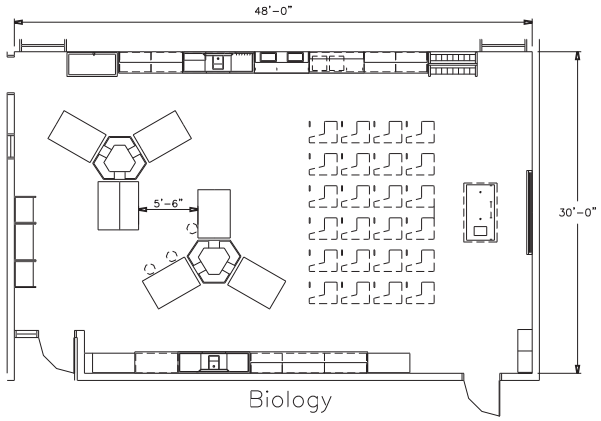


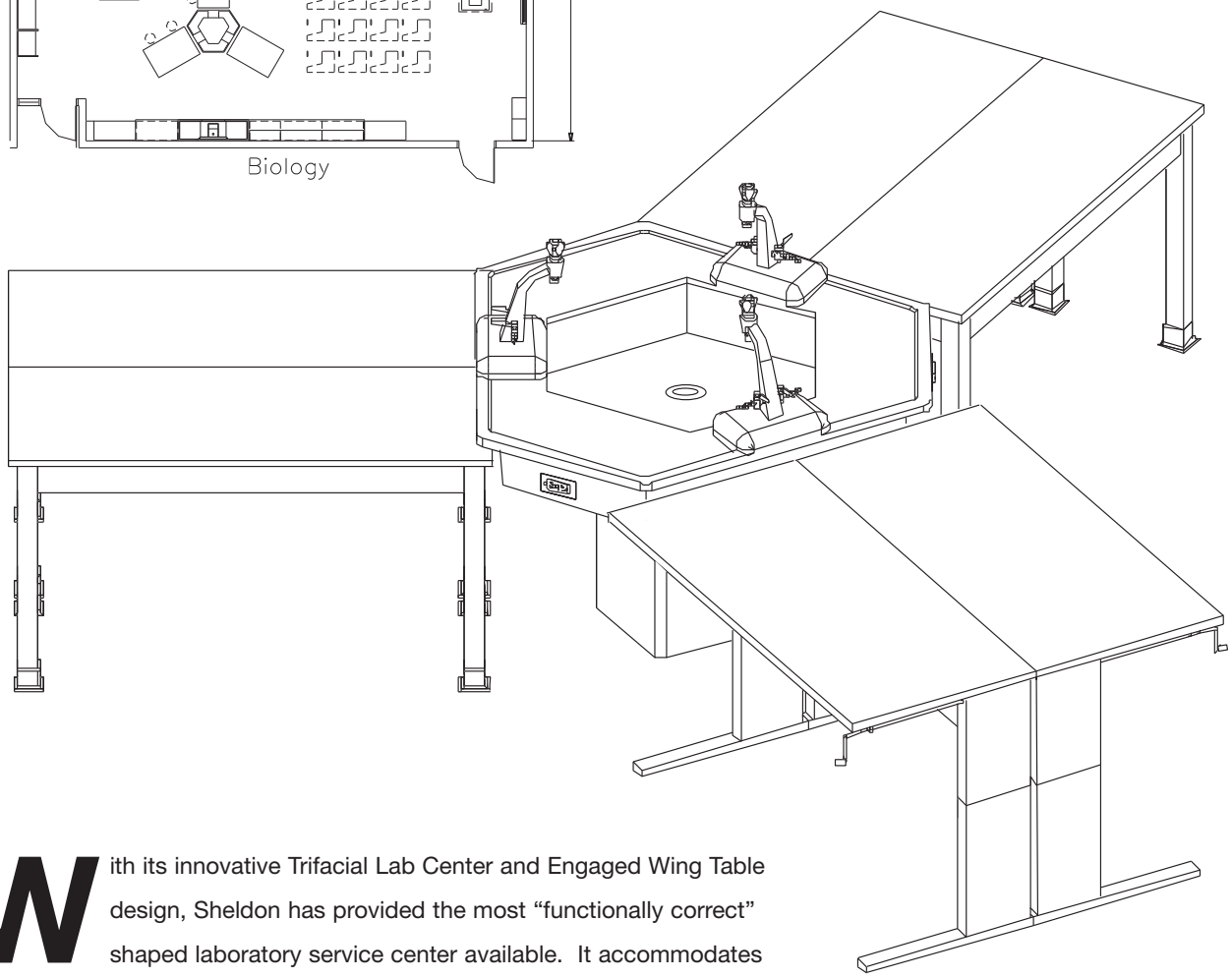
Accessories:

- Two #80020 Unicast Combination Cold Water & Gas Fixtures
- Two 3" X 6" Cup Sinks
- Four Duplex GFI Electrical Outlets
- Two Sets Upright Rod Assemblies

DIMENSIONS	LENGTH	WIDTH	HEIGHT
Each Table	8' - 0"	48"	30"
Service Island	4' - 0"	18"	42"

Trifacial Service Islands





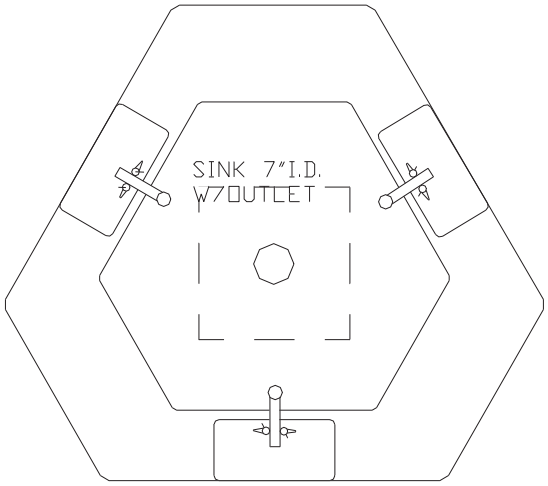
With its innovative Trifacial Lab Center and Engaged Wing Table design, Sheldon has provided the most "functionally correct" shaped laboratory service center available. It accommodates twelve students without conflict while allowing them access to all facilities: counters, sinks, water, gas, electricity - all within easy reach.

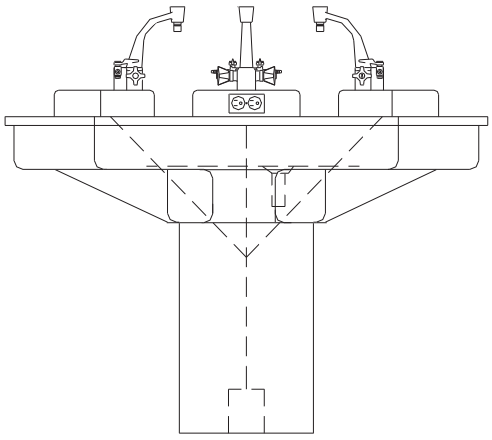
The Trifacial is both economical and efficient. Only three centers are needed to handle thirty-six students, replacing the four required with conventionally designed service centers. This guarantees more effective use of space at less cost. Additionally, the Trifacial is adjustable at the time of installation. It can be installed at the proper height to insure the best possible working conditions.

Trifacial Service Islands

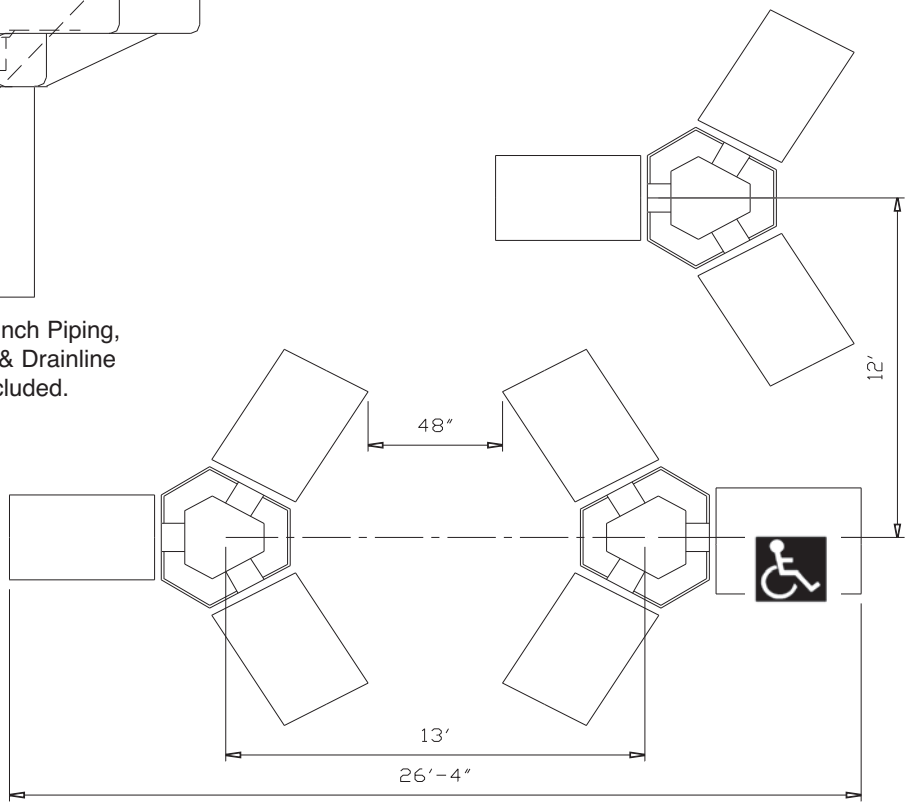
The Trifacial Lab Center provides sufficient counter work space and a larger space and a larger tub sink for three students at once. Easy access to and from the service area allows each student more freedom of movement, while considerably lessening classroom disruption. In many situations there is no need for a separate classroom lecture area when the Trifacial Lab Center is used.

Engaged Wing tables interface with the Trifacial Lab Center to provide maximum space utilization. Adequate individual student work space is provided with three doubled-sided tables each
(60" X 36") or six singled-sided tables each (54" X 21"), or with similar tables of your own choosing. Either way, the Sheldon Trifacial Lab Center can accommodate a variety of individual needs.



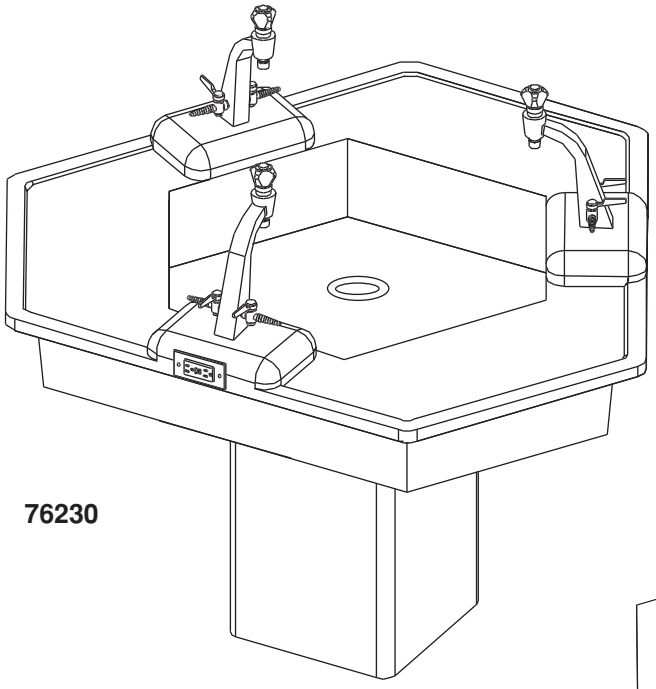


Internal Underbench Piping, Wiring, Conduit & Drainline are **NOT** included.



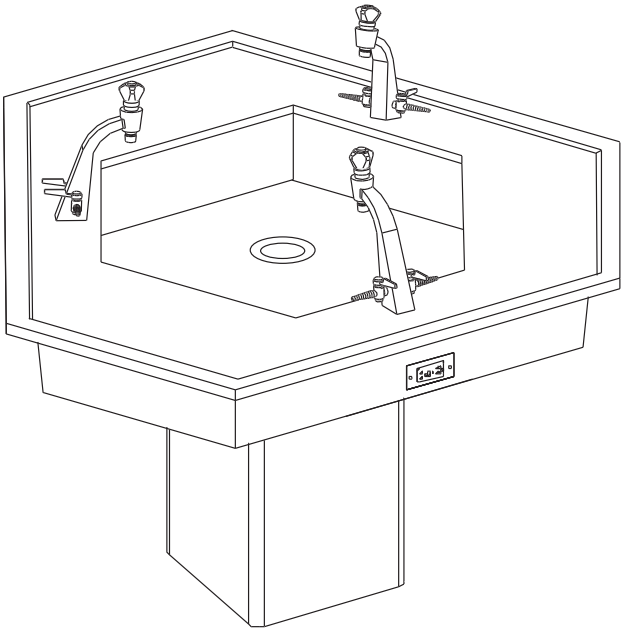
For an authorized Sheldon Laboratory Systems Dealer near you, visit our website - www.sheldonlabs.com

76230 • 76231 - Fixed Lab Center



76230

76231 (pictured below) same as **76230** except with Shelresin top and sink instead of fiberglass top.
(Turrets not included.)



Three sides (34”) X three sides (20”) overall. Height adjustable at time of installation: 32” to 38 1/2”. Unit shall be 55 1/2” at widest dimension of triangular configuration. Work surface, turret and tub sink of one-piece fiberglass reinforced polyester with black acid resistant semi-gloss surface. Marine raised edge incorporated around entire perimeter of work surface. Three turrets (12” X 6” X 2 5/8”) incorporated between work surfaces to provide base for fixtures and electrical outlets.

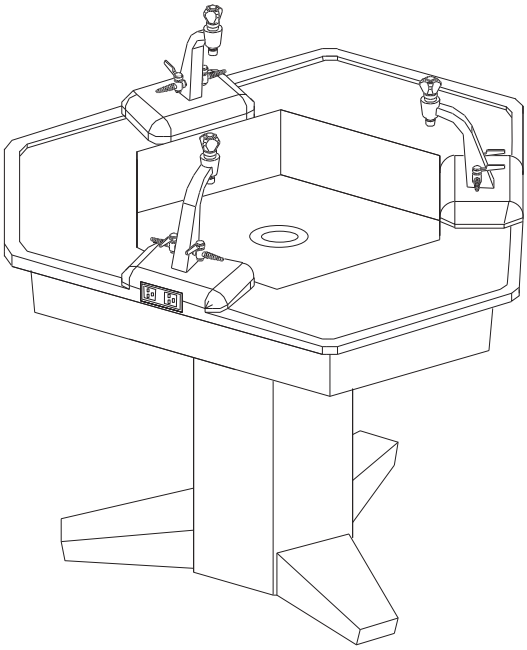
Sink with three sides (19 1/2”) X three sides (15 1/14”) X (7”) deep I.D. with sink (34”) at widest dimension. Sink volume of 34.0 gallons. Services include three #80020 Unicast combination cold water and gas fixtures and three #85101 GFI duplex electrical outlets. **Trap NOT INCLUDED.**

Top support structure of molded glass reinforced polyester with (1 1/2”) radius on all exterior corners. Reinforcing webs and heavy steel collar molded into the structure at strategic points. Standard color is Mandarin Red (Twilight color optional).

Pedestal of 10 gauge formed steel, square-shaped with interior reinforcements finished in black. Removable access panel. Top support structure when combined with pedestal and properly attached to floor shall support 250 lbs. live load at the perimeter and allow no undue movement of working surface.

A series of bolt holes in pedestal allows for attaching support structure at various heights to provide finished work surfaces from (32” to 38”) - low range (32”, 33”, 34 1/4”); high range (35”, 36”, 37” & 38 1/2”).

76235 - Movable Lab Center

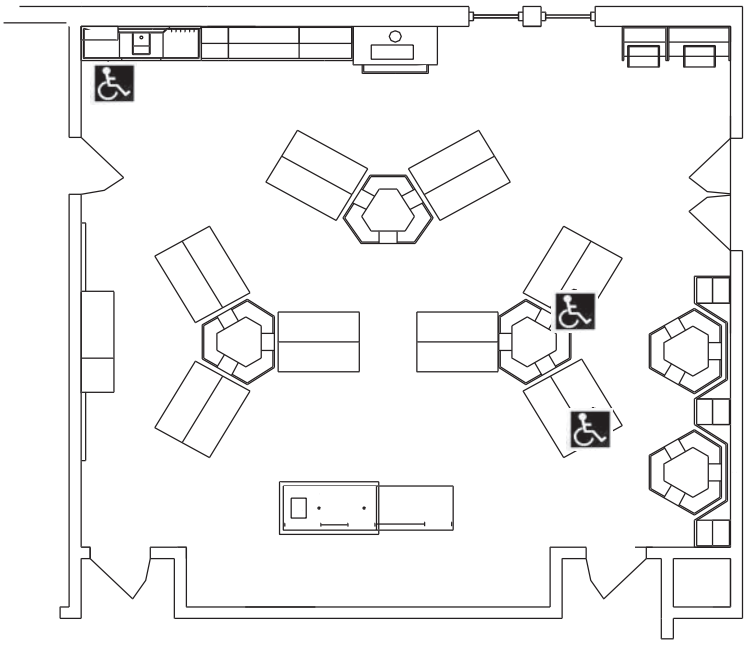


Same as **76230** except pedestal to be hexagonal shaped and to have three leg pedestal base (12 3/4" X 8 5/16" X 5") with non-skid composition bottom leveling glides. Two removable access panels for connection to building mechanical facilities through quick-disconnect fittings and hardware. Work surface height of (36"), height not adjustable.

Note: #76235 Movable Trifacial Lab Center includes quick-disconnect hose assembly with standard connections at top and male and female quick-disconnect connection at bottom for cold water, gas and waste connection only.

Plumbing within superstructure by mechanical contractor connecting all fixtures and terminating in tees which will connect to quick-disconnects. Quick-disconnects will be connected to stubs in the service pit by mechanical contractor. Traps shall be furnished and located below floor by mechanical contractor.

Electrical requirements including quick-disconnects and wiring within superstructure to service pit by electrical contractor. Steel service pit with cover for installation by general contractor available when specified at an adjusted price.



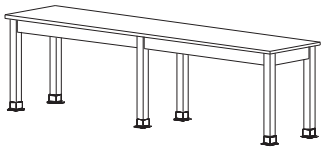
• Student Tables

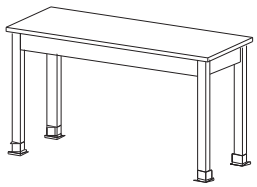
Student tables are commonly used in a working situation where services are not required or where they can be moved to services provided in wall counters or centrally located workstations. Tables also serve utility and work purposes in laboratory preparation or special project areas. Utility tables are slightly more vibration-resistant and can be fixed to the floor.

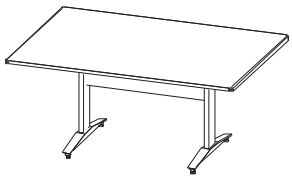
Add suffix to catalog number: I - Imprint L - Plastic Laminate R - Shelresin P - Phenolic Resin

Catalog Number Explanation: EX. - U602430P U = Utility Table 60 = Length 24 = Width 30 = Height P = Phenolic Resin

****Tables available with Imprint Top Option – U542130, U542430, U542136, U542436, P542130, P542430**





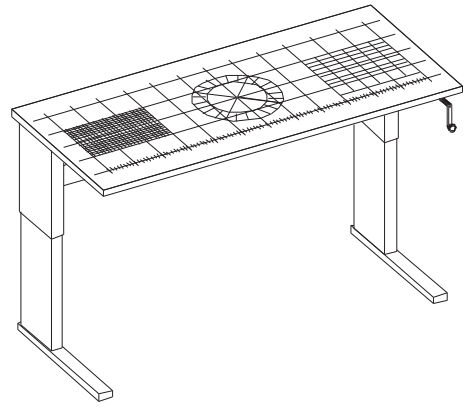


UTILITY TABLES

30" HEIGHT			36" HEIGHT
NUMBER	**LENGTH**	**WIDTH**	**NUMBER**
U482130	48"	21"	U482136
U482430	48"	24"	U482436
U483030	48"	30"	U483036
U483630	48"	36"	U483636
U542130**	54"	21"	U542136**
U542430**	54"	24"	U542436**
U543030	54"	30"	U543036
U543630	54"	36"	U543636
U602130	60"	21"	U602136
U602430	60"	24"	U602436
U603030	60"	30"	U603036
U603630	60"	36"	U603636
U604230	60"	42"	U604236
U722130	72"	21"	U722136
U722430	72"	24"	U722436
U723030	72"	30"	U723036
U723630	72"	36"	U723636
U724230	72"	42"	U724236
U724830	72"	48"	U724836
(NOTE: TABLES 84" LONG & OVER WILL HAVE SIX LEGS.)			
U842130	84"	21"	U842136
U842430	84"	24"	U842436
U843030	84"	30"	U843036
U843630	84"	36"	U843636
U844230	84"	42"	U844236
U844830	84"	48"	U844836
U962130	96"	21"	U962136
U962430	96"	24"	U962436
U963030	96"	30"	U963036
U963630	96"	36"	U963636
U964230	96"	42"	U964236
U964830	96"	48"	U964836

PEDESTAL TABLES

NUMBER	LENGTH	WIDTH	HEIGHT
P542130**	54"	21"	30"
P542430**	54"	24"	30"
P543630	54"	36"	30"
P602430	60"	24"	30"
P603630	60"	36"	30"
P604230	60"	42"	30"
P723630	72"	36"	30"
P724230	72"	42"	30"
P603636	60"	36"	36"



Adjustable Height 2-Student Table

(Top) 54"Length X 24"Width X 23 1/2"-33 1/2" Height

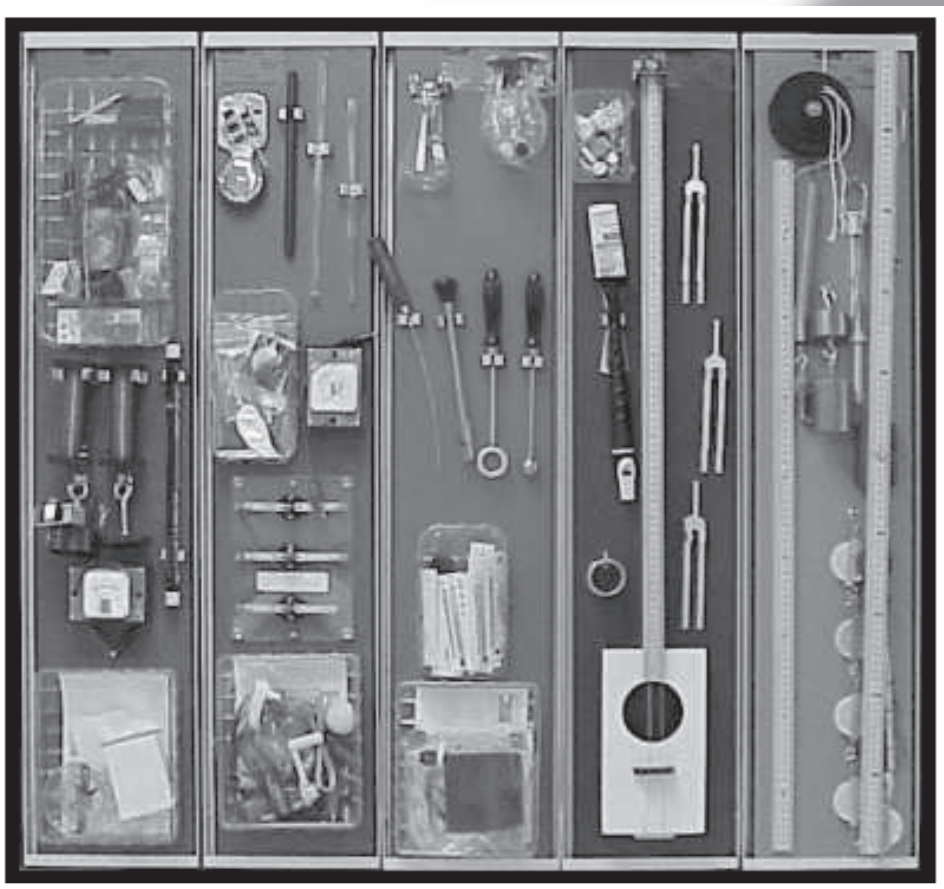
19920	Plastic Laminate Top
19921	Imprinted Top
19922	Shelresin Top

Specialized Products

For an authorized Sheldon Laboratory Systems Dealer near you, visit our website - www.sheldonlabs.com

Sheldon LABORATORY SYSTEMS

- ✧ Apparatus Panel Program
- ✧ Discovery Science / Math Program
- ✧ Life Science Centers
- ✧ Marine Study Centers
- ✧ Earth Science Study Centers
- ✧ Bio - Specialties
- ✧ Specialized Work Stations
- ✧ Sink Stations
- ✧ Darkroom Stations



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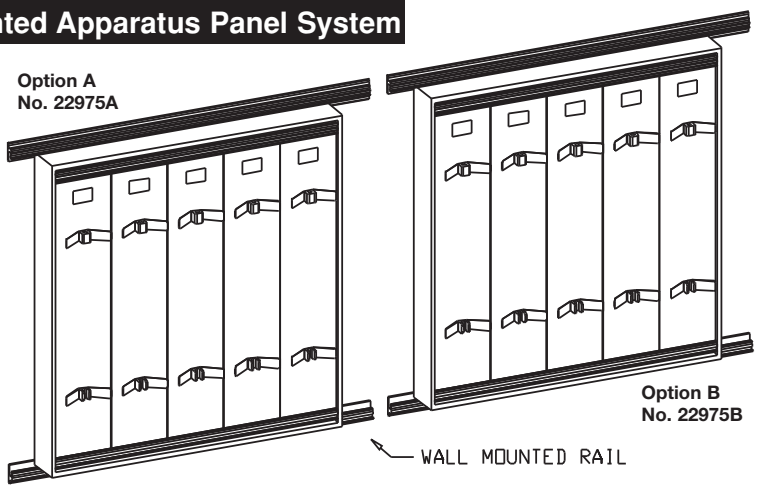
Apparatus Panel Program • Display Centers

The Sheldon Apparatus Panelboard System began in 1965 in response to teachers' request for help with physical science demonstrations and activities. Additionally, teachers were concerned with equipment not being readily available from year to year, day to day, or even period to period. As you can see, the teachers' situation has not changed much in over 30 years.

Initially, Sheldon Laboratory Systems responded by developing 65 panelboards covering seven broad physical science topics: mechanics, heat, electricity, magnetism, matter, light and sound. The first 59 panels were intended for demonstrations by the teacher or student for individual use of students during formal laboratory or project sessions. The greatest virtues of the first panelboards were their easy access and instant availability in demonstrating physical science concepts and establishing relationships of scientific principles between several panels. The six remaining panels were designed for a different functional use. A complete Unit Kit of items was concentrated on a single panel for storage, instant access and easy visual inventory control. In this manner, the Unit Kit panel provided teachers with supplies for several small groups of students or additional supplies for more extensive demonstrations.

Over the years with continued feedback from teachers, Sheldon Laboratory Systems has modified the Apparatus Panel Program to reflect the ever-changing needs of schools, teachers and students. To address the latest need for more physical science demonstrations and hands-on activities for elementary and middle school classrooms, Sheldon developed nine new panelboards which were consolidated from a 15-board system specifically designed for the high school level. The result is a program that combines the original two functional lines of panels to provide teachers with the necessary materials and lesson plans to allow for both demonstrations and activities in the original seven broad physical science topics listed above.

22975A • 22975B
Wall Mounted Apparatus Panel System



Size: 52"L x 6 1/2"W x 48 3/4"H

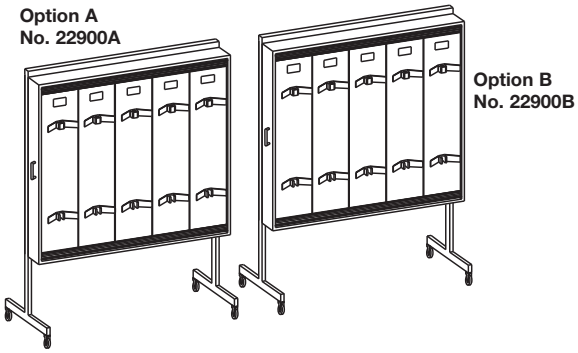
Each wall mounted storage unit holds five apparatus panels. Storage case is mounted on two EC Wall Support Rails.

(No. 22975A)
– Includes Option A Apparatus Panels

(No. 22975B)
– Includes Option B Apparatus Panels

**Wall mounted units are interchangeable with portable storage units.*

22900A • 22900B
Single Sided Portable Apparatus Panel System



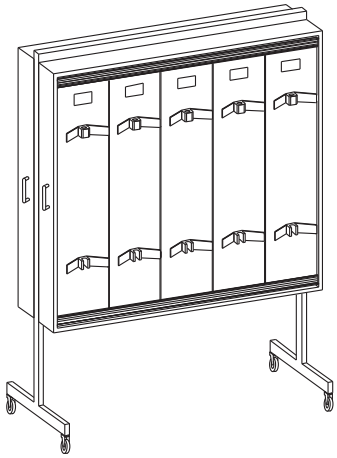
Size: 52"L x 24"W x 70"H

This unit, similar in design to the Double-Sided System, will hold five apparatus panels.

(No. 22900A)
– Includes Option A Apparatus Panels

(No. 22900B)
– Includes Option B Apparatus Panels

22950
Double Sided Portable Apparatus Panel System



Size: 52"L x 24"W x 70"H

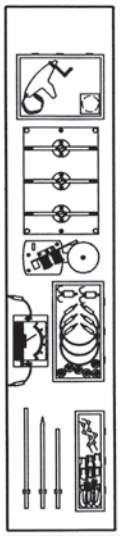
Portable storage unit holds **BOTH** Option A & Option B apparatus learning panels – five on each side of unit.

Apparatus Panel Program • Panelboards

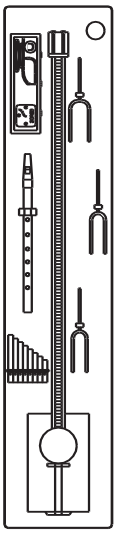
– Option A

*Panel boards available **ONLY** as set. Individual boards are **NOT** available separately.*

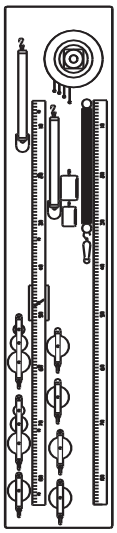
Static & Current Electricity
(No. 24221)



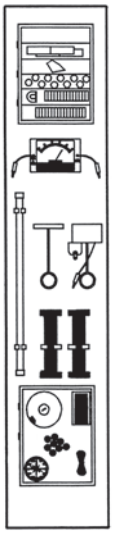
Sound Effects
(No. 24222)



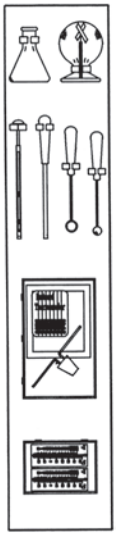
Lever, Wheel & Pulley System
(No. 24229)



Magnetism
(No. 24230)



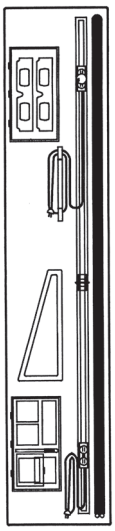
Heat Energy
(No. 24235)



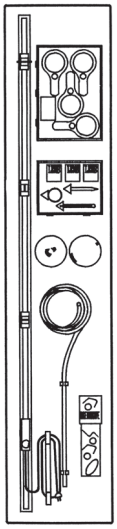
– Option B

*Panel boards available **ONLY** as set. Individual boards are **NOT** available separately.*

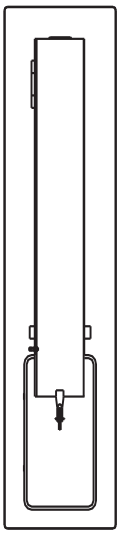
Light, Energy & Color
(No. 24281)



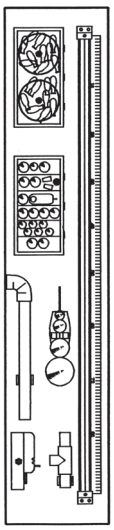
Light, Lenses & Mirrors
(No. 24280)



Inclined Plane & Friction
(No. 24240)



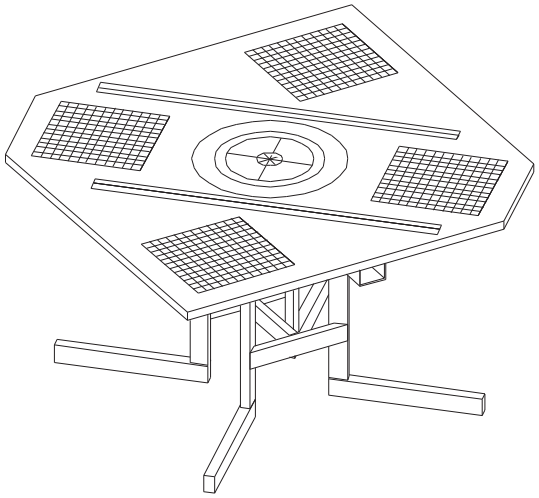
Energy, Forces & Motion
(No. 24244)



Blank Panel
(No. 24220)

Build Your Own Apparatus Design.

15000 - Discovery Science / Math Program



The relationship of Science and Math has a new significance in the elementary and intermediate grades. The quality of the learning experience begins with understanding and proceeds to achievement through doing. Skills in organizing, preparing, structuring, manipulating and evaluating can be developed at the work centers by the student within the framework of his own capabilities and under the instructional supervision of the teacher. The student experiences the satisfaction of contributing to his own educational development.

47 1/4" (Length) X 47 1/4" (Width) X 26 1/2" to 36 1/2"
(Height - In 2" Increments)

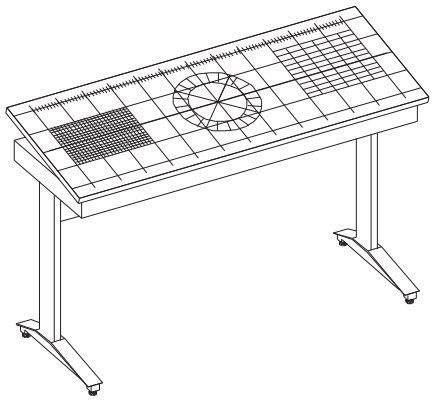
The discovery center will become the nucleus of activities for Science / Math experiences and experiments. The imprints on the top in English and metric provide the mathematical bases for Math and for quantitative treatment of Science. Vertical scales provide the third dimension.

Center includes imprinted work top with square foot/square inch grids; 3-decimeter/centimeter grids; English/metric scales; 360˚ protractor with clockwise/counterclockwise scales, and extended protractor points. Write-on surface is suitable for soap base crayons and similar markers. Raised edge on top to keep equipment from rolling off and facilitate cleaning up. C-clamp upright rod storage; rods included.

Teacher guidebook (included) initiates a wide range of projects including: measurement, mapping and graphing, astronomy, flight, light, sound, electricity, plantlife & mechanics areas. Discovery Material Kit (included) contains a varied assortment of the materials and apparatus necessary to conduct the experiences outlined in the Teacher Guidebook.

• Motivating Metric Learning Program

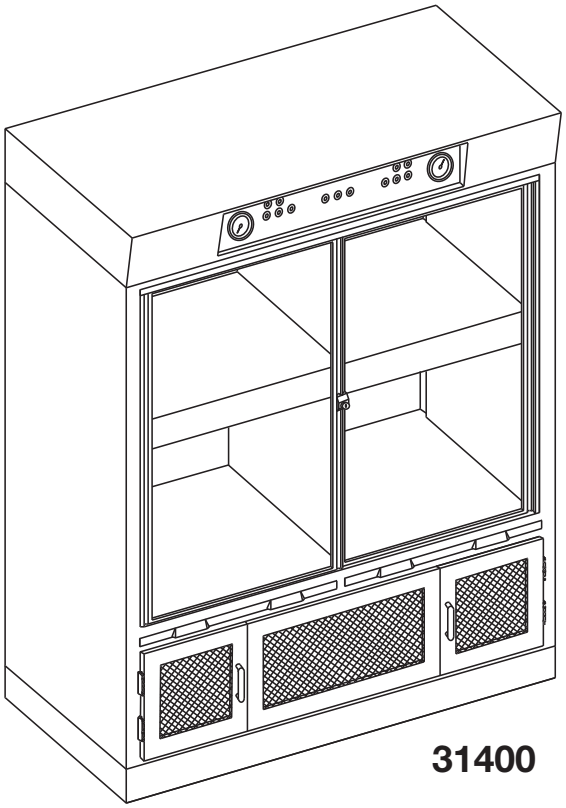
• BI-LEVEL PROJECT CENTER			
19900	54" Length	20" Width	30"/36" Height - Phenolic Resin Top
19901	54" Length	20" Width	30"/36" Height - Plastic Laminate
19902	54" Length	20" Width	30"/36" Height - Imprint Top



Reading about measurement and science certainly has its place in the curriculum, but it cannot substitute for the excitement experienced by students when they are actively engaged in hands-on activities that provide them the opportunity to manipulate and experiment with real objects. Each of the activities in the Guidebook involved hands-on activities that allow students to make important associations between physical phenomena and the ideas and concepts that are used to represent them. Activities in this educational program include experiences with measuring length, area, volume and mass; graphing; mechanics; astronomy; resonance; sound; optics, magnetism and electricity. The imprinted top is a truly revolutionary concept. It provides a convenient background for visualizing spatial relationships and a permanent, readily available, frame of reference for developing a variety of skills.

Bi-Level Project Centers shall be for (a) two student use, (b) to have secured adjustability, (c) to have four work positions, (d) to be 54" X 20". The basic sitting position for study, lecture, reading and writing is 30" high with level top. The secondary sitting position for reading, art, mechanical drawing and drafting is 30" high with sloping top. The primary standing height position for laboratory, vocational and drawing is 36" high with level top. The secondary standing height position for mechanical drawing, lecture, mapmaking and drafting is 36" high with sloping top. When the top is in the level position, the rail can be set level with the top. The top section is two parts with the upper being movable and adjustable and of 3/4" thick-top material with locking bar mechanism and locking blocks. The lower part is the center frame and encloses the manually operated mechanism, the locking tabs and the resting grooves. All the manually operated mechanisms are securely locked into a rigid position when in use. When the locking bar and locking tabs are engaged, the unit is secured into a single assembly allowing the center to be moved about or lifted off the floor. The locking bar can be operated by one student. The center frame features resting grooves to receive the moveable tops while position changes are to be made. Pedestal leg supports (1 1/8") thick solid hardwood; legs bolted to longitudinal rails and secured to steel base feet; feet are of natural scuff-resistant steel with a tapered design, and are at least (19") long; feet are fitted with leveling guides.

Controlled Environment Center for Plants



31400

Temperature, light and ventilation control available in the Sheldon Climatarium II gives the instructor new freedom in scheduling plant studies. Plant materials are available any time of the year: bulbs, tubers, and cuttings root almost immediately; seedling flow rapidly, basking in a light, which knows no season.

Climatarium II offers an opportunity to explore the behavior of plant life on a scope never before possible in the classroom. It creates any climate, season and time of the day the instructor sets for it. In addition, a reflective coating on the class door offers a view of the interior while blocking out most of the room light so it will not interfere with the light and dark cycles in the unit. Plant and animal subjects respond accordingly, and such studies as photosynthesis, transpiration and respiration, germination, incubation and phototropism are feasible with Climatarium II.

The versatile control system lets the instructor set the conditions he desires without interference or disruption. The handicaps of vacation periods, weekends, and erratic day and night temperatures are eliminated. Light timers, thermostat, fan switch for air circulation, and switches to control the light in the various sections, are behind a clear plastic cover, which can be locked.

31400 • 31405 - Climatarium II

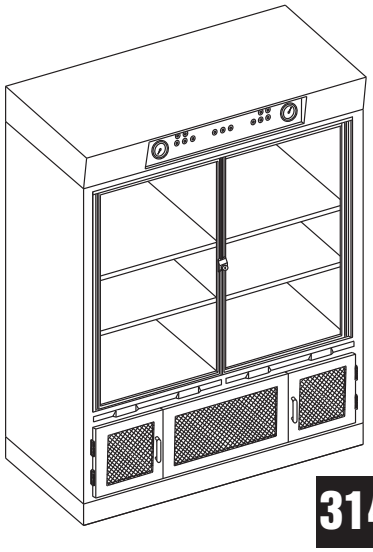
56" (Length) X 27" (Width) X 74" (Height)

(Note: 31405 same as 31400; except mounted on heavy-duty casters and fully finished tackboard back. Ducting to outside not required.)

Finished oak hardwood exterior. Top superstructure of steel with baked synthetic finish. Top removable for access to wiring. Interior finished in white is divided vertically into two compartments with steel top and ends. Ends contain integral shelf supports on (3") centers and perforated to assure even air circulation regardless of shelf location. Two watertight stainless steel pullout debris trays at bottom are easily removed for cleaning from the front without disturbing interior conditions. Two sliding glass doors with reflective coating block out 90% of light coming in without blocking the view of interior. Two cupboard storage compartments (for plant food, soil supplies and utensils) and one vented compartment are in base. Four steel light/plant trays; two adjustable (4") high. Top side is watertight and underside fitted with four 20-watt Gro-lux lamps and four Visible Range lamps (red, blue, green and yellow); each switched to control series of on - off positions.

Superstructure contains lighting for sixteen 20-watt Gro-lux lamps and sixteen Visible Range lamps. Switches in instrument panel control all lamps. Switches on instrument panel control master circuit breaker switch, temperature from ambient up to 38˚C (+/- 1˚, ambient based on 22˚C), lighting and blower. Two photoperiod-programming timers permit setting for each 10-minute interval of light or electrical service for each 24-hour cycle. Lighting switches for manual timer operation and four indication lights. Hinged instrument panel is transparent Plexiglas. Sliding glass doors and instrument panel provided with locks. Positive ventilation is insured by integral blower and two (3") diameter duct stubs. Blowers provide four air changes per minute. Provided with one project book with instruction material for instructor and student. Ducting to outside required.

Controlled Environment Center for Animals



These centers eliminate the need for a separate animal room and let animals be housed in the classroom under observation without disturbing odors. Temperature control makes possible experiments on metabolic rates, forced hibernation, life cycles and many other processes. Locks on control panel and on doors prevent tampering. Food supplies and experimental equipment can also be stored in the unit. Reflective coating on glass doors, which blocks out 90% of the light from the classroom and permits nocturnal animals to be studied, can be included, when specified, at an adjusted price.

31430 • 31435 • 31440 - Animal Study Center

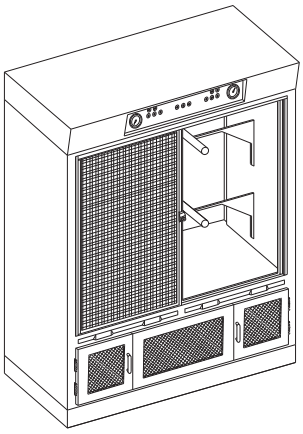
56" (Length) X 27" (Width) X 74" (Height)

Note: **31435** same as **31430**, but vents into room and includes specially formulated activated charcoal filter and dust filter, both easily accessible for servicing. Ducting to outside not required.

31440 same as **31435**, but mounted on heavy-duty casters and fully finished tackboard back. Ducting to outside not required.

Finished oak hardwood exterior. Top superstructure of steel with baked synthetic finish. Top removable for access to wiring. Interior steel top and ends finished in white. Ends contain integral shelf supports on (1 1/2") centers and perforated to assure even-air circulation regardless of shelf location. Watertight stainless steel pullout debris trays at bottom are easily removed for cleaning from the front without disturbing interior conditions. Removable mesh bottom and three adjustable plated wire shelves. Two cupboard storage compartments (for food & bedding) and one vented compartment are in base. Two sliding glass doors and instrument panel cover provided with locks. Switches on instrument panel control master circuit breaker switch, lighting and blower. Hinged instrument panel cover is transparent Plexiglas with lock. 40-watt fluorescent lamp housed in top. Positive ventilation is insured by an integral blower and (3") diameter duct stub to vent outdoors. Blower to provide four air changes per minute. Contact rating 1,000 watts total heater load. Ducting to outside required.

31450 • 31455 • 31460 - Aviary / Wildlife Center

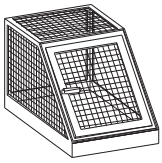


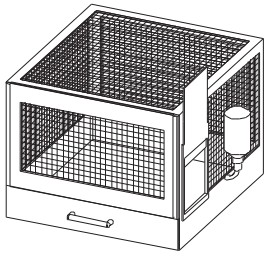
56" (Length) X 27" (Width) X 74" (Height)

Note: **31455** same as **31450**, but includes charcoal and dust filters. Ducting to outside not required.

31460 same as **31450**, but mounted on heavy duty casters and fully finished tackboard back. Ducting to outside not required.

Same as Animal Study Center except wire shelves deleted and one sliding door is fitted with a removable screen that has two access openings to prevent inadvertent opening of unscreened side. Two adjustable bird perches are included. Ducting to outside required.

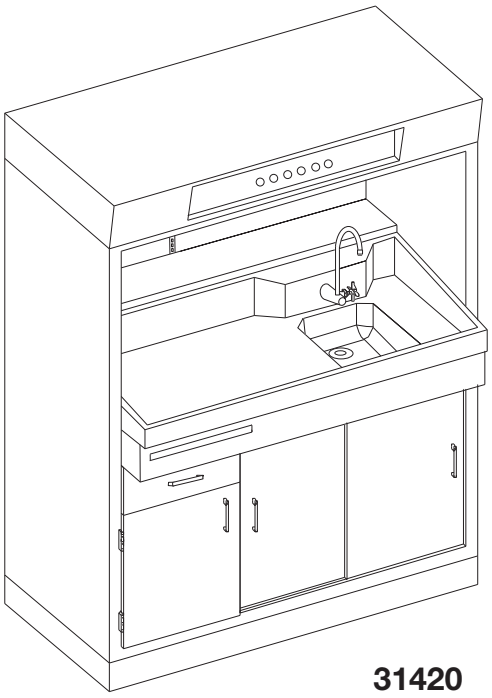




87140 - Aviary / Wildlife Cages

Optional set of cages with end openings specially designed for the Aviary/Wildlife Center. Includes eight cages (15" X 9" X 9") and two (18" X 19" X 14").

31420 • 31425 - Biological Services Center



31420

The Biological Services Center is a complete workstation in the biology lab, especially for messy, malodorous or potentially dangerous biology exercises. Exhaust ventilation, gas, air, germicidal lamps, water and slanted rinse-away counter make it ideal for many experiments that do not fit well elsewhere in the laboratory. It can also be an individual study carrel for biology or biochemistry course.

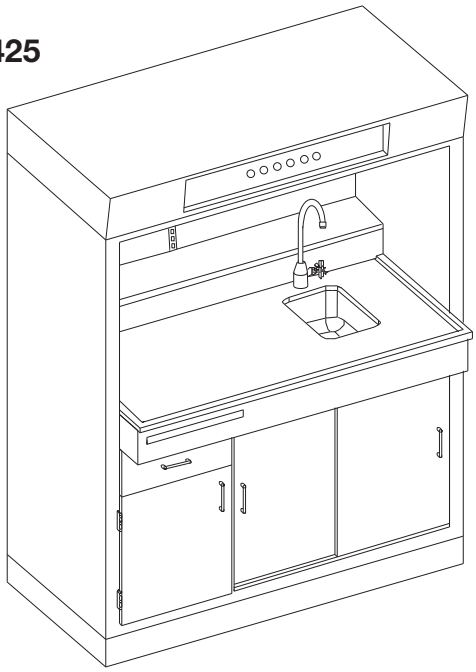
56" (Length) X 33" (Width) X 74" (Height)

Finished oak hardwood exterior. Top superstructure of steel with baked synthetic finish. Top removable for access to wiring. Interior and side walls of white plastic laminate. Fluorescent lighting, duplex electrical outlet and protected germicidal lamp are incorporated in the top. Control panels contain master circuit breaker and switches for exhaust blower and germicidal lamp. Twilight color one piece rinse-away sink is (3") high of reagent resistant reinforced polyester material with raised edges, rounded corners, and integral (17 5/8" X 12" X 5") sink with (1 1/2") outlet and stopper. Trap is included. Formed so all points drain to outlet.

STANDARD FEATURES -

- One Gooseneck cold water fixture.
- One pull-board (36") provides (21" X 15") surface for microscope or balance.
- One drawer (14 1/2" X 18" X 8") I.D. offers space for books, worksheet or utensil.
- One cupboard with removable waste bin.
- Double door cupboard.
- One adjustable glass shelf (5" X 24").
- Back ledge is (3/4") thick Shelresin, runs full length of interior and is (9") wide for storage of beakers and flasks.
- Blower located in superstructure provides approximately (40 linear feet) exhaust velocity through face opening, more than enough to vent odors and smoke to the outdoors.
- Disposal unit furnished with sink, when specified, at an adjusted price.
- Ducting to outside required.

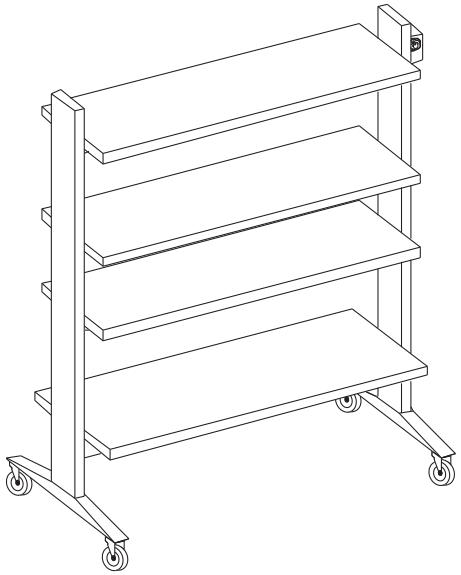
31425



56" (Length) X 33" (Width) X 74" (Height)

Note: 31425 same as **31420**; but worktop is (1") Shelresin, (31") wide with raised edge. Sink is Shelresin (14" X 10" X 6"). Disposal unit furnished with sink when specified, at an adjusted price. Trap is included.

31120 • Porta-Plant® Study Center



56” (Length) X 28” (Width) X 71” (Height) Overall
Note: Needs electrical source.

Illuminated, time controlled unit that makes possible a variety of plant growth projects. Caster mounted; can be wheeled anywhere.

Includes (14) plastic growing trays each (19 3/4” X 6 1/4” X 3”). Two plant shelves are framed angle steel.

Light fixture over each shelf is adjustable for height and takes (4) four 40-watt Gro-lux or “white” fluorescent lamps (Gro-lux lamps included). Top of fixture has rim and serves as auxiliary shelf for supplies provided with two photo-period programming timers permitting settings for each 15-minute interval of light for each 24-hour period.

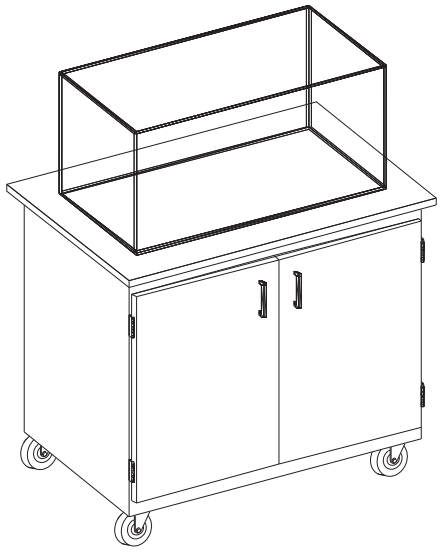
Hardwood uprights are pinned and bolted to cast steel feet with wide casters to reduce wear to floor-covering and to provide easy mobility.

Provided with one project book with instructional material for instructor and student.

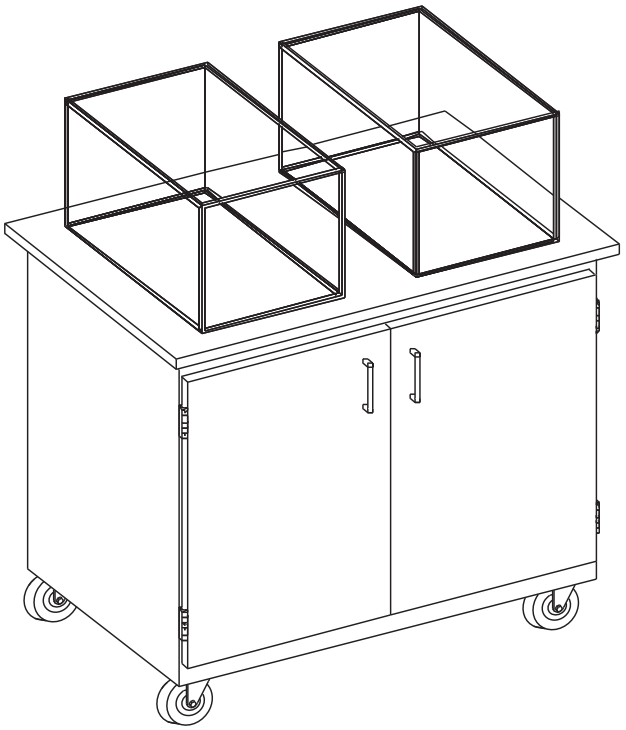
31260 - Marine Study Center

37” (Length) X 24” (Width) X 35” (Height to Countertop)

30-Gallon Capacity Tank (30” X 16” X 16”). Shelresin countertop, (37” X 24” X 1”). Base unit is #39860 transport. Hinged doors.



31270 - Marine Study Station



37” (Length) X 24” (Width) X 36” (Height) to Countertop

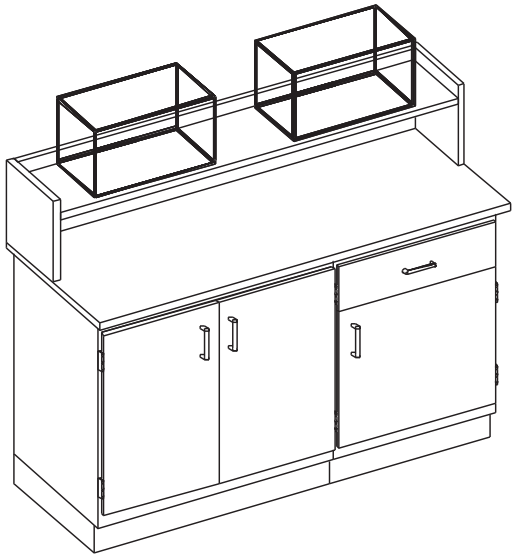
Two tanks each with (10 Gallon) capacity (20” X 12” X 12”). Countertop is Shelresin (37” X 24” X 1”). Base unit is #39860 transport. Hinged doors.

Dual tanks permit separation of species and simultaneous handling of several kinds of marine life. Mobility of unit makes it unnecessary to lift tanks in order to move them to presentation or service areas.

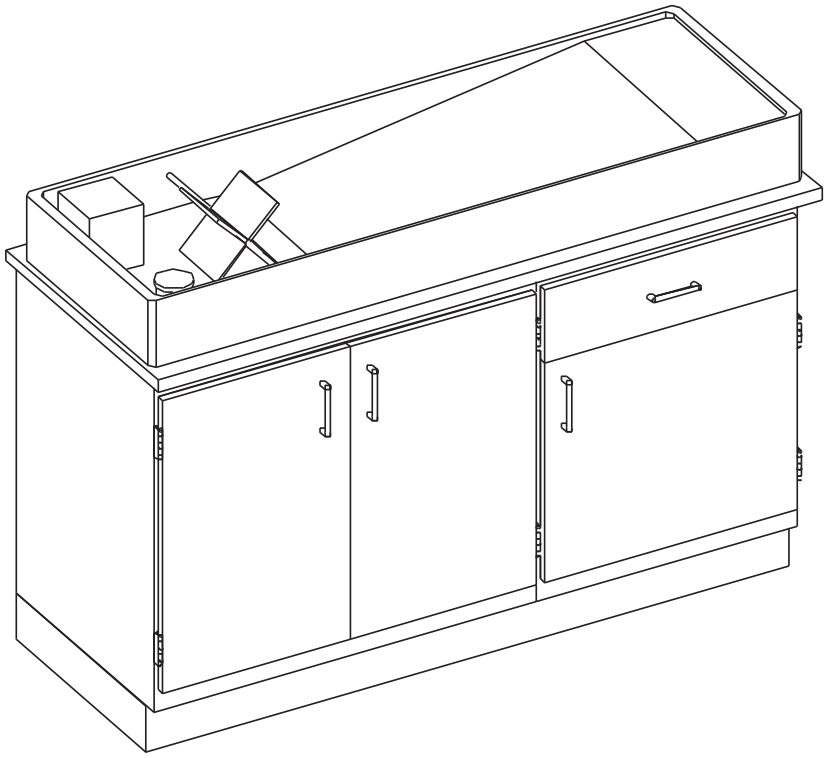
31280 - Marine Study Center

61” (Length) X 24” (Width) X 36” (Height) to Countertop
Note: Needs electrical source.

Two tanks each with (6 Gallon) capacity (18” X 10” X 10”). Unit includes one bottle shelf assembly, one #B353622-100 and one #B243622-400 cupboard, each with an adjustable shelf. (1”) Shelresin top.



31480 - Earth Science Study Center



A complete land form simulation system. Provides the model for the study of erosional changes and deposition of sediment, the life of streams, deltas, distributaries, sand bars and their influence on surrounding ground can be examined in detail.

Measurement and time studies enable students to understand the many factors acting in increasing or decreasing the rate of erosion.

61" (Length) X 24" (Width) X 42" (Height) Overall
Note: Needs electrical source.

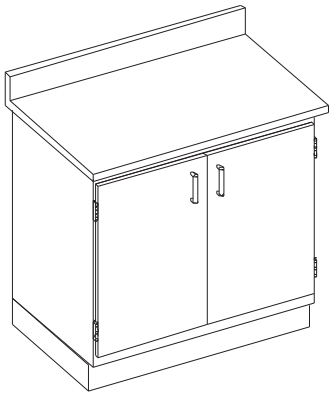
Center of formed plastic with all corners covered and with lower end forming the lake area for water depths up to (2 1/2"). Clear acrylic contour map grid (24" X 25 1/2") and marked with (2") squares. Plastic laminate form fits into the lake area which enables flooding conditions and permits the drawing and studying of contour maps. Sedimentation Chambers (48" X 12" X 1 1/2") permit the admission of sediments by means of an inclined trough. One wall of the Chamber is marked with a 50mm grid for measurements. Crustal Stress simulator (35 1/2" X 13 1/4" X 3") makes possible the study of the effects of crustal folding on stream erosion. Rainfall Simulator makes the study of realistic water effects. Countertop is (1") Shelresin.

Bio-Specialities

In order to provide an efficient and stimulating environment conducive to learning and understanding, a wide variety of activities must be offered within the laboratory classroom.

Storage and specialized supporting equipment must be easily accessible, usable & efficient.

31370 - Plant Preserving Cabinet



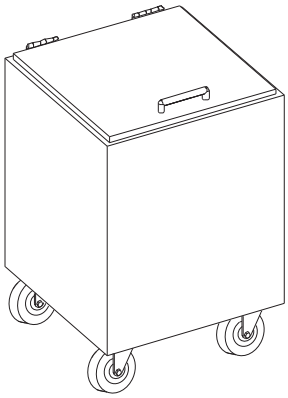
35”Length X 22”Width X 34 3/4”Height

Water-resistant construction with adjustable mesh shelves and galvanized pan bottom.

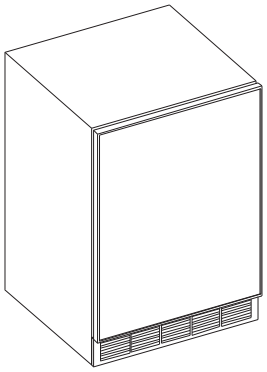
33802 - Soil Cart

16”Length X 16”Width X 23 1/2”Height

Fully enclosed hardwood exterior with metal-lined, watertight interior, metal-lined hardwood top with heavy-duty hinges and swivel casters.



87150 - Undercounter Refrigerator with Freezer

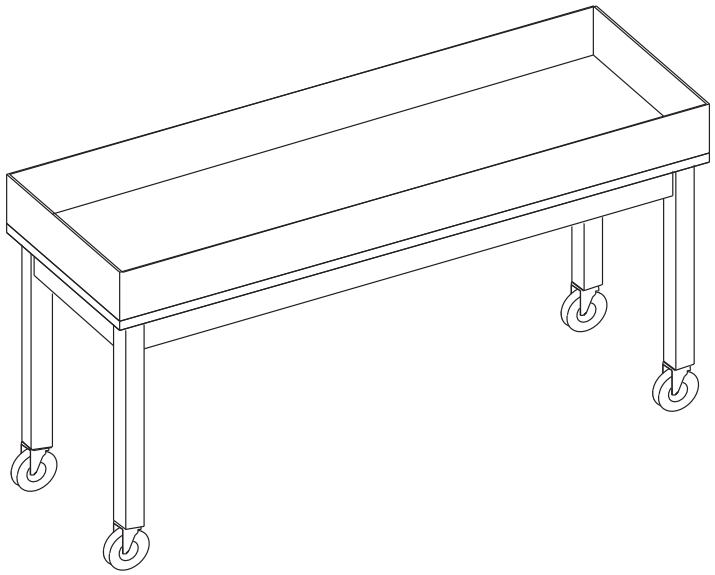


23 7/8”Length X 21 13/16”Width X 34 1/2”Height

Refrigerator offers the largest possible storage capacity of any undercounter built-in. Also designed for eye level or freestanding installation. Freezer compartment holds eight trays or (27 lbs.) of frozen material. Indoor storage and adjustable shelves make maximum use of space. Features (6.7 cubic feet) capacity and foamed in place polyurethane insulation.

31100 - Germination Center

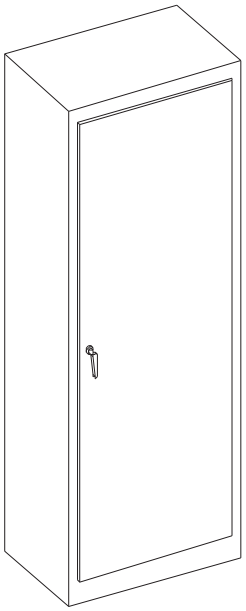
72” (Length) X 24” (Width) X 36” (Height)



Growing bed is (71 1/2” X 21 1/2” X 4”) I.D. with (1”) slate bottom fitted with drain and all four sides glazed with (1/4”) clear plate glass. One #74240 fiberglass tote tray is attached underneath top. Center features bolt-reinforced, solid hardwood legs with rubber swivel casters.

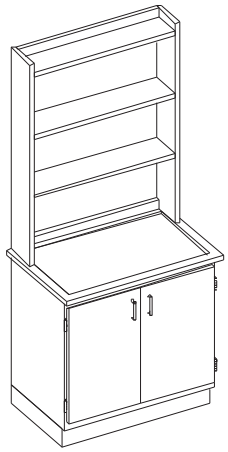
31375 - Herbarium Case

29 1/4” (Length) X 18 3/4 (Width) X 84 1/8” (Height)



All metal double wall construction, creating an airtight case for the proper and permanent protective storage of Botanical specimens. Twenty-six openings, each (12 5/8” X 17 1/2” X 5 7/8”). Three point locking mechanism assures total contact and sealing of the door. Insect proof polyurethane seal. Air space at rear and front of shelves. Two Fumigant compartments are built into the inside of the double wall door. Paracentive key lock, not keyed to other locks. Available in Olive Green only.

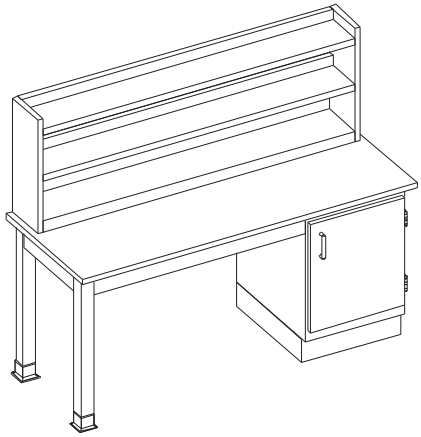
28745 - Reagent Dispensing Station



37”Length X 24”Width X 36”Height (To Countertop)

Shelresin top, with raised edge. Shelf assembly is (48”) high, has three fixed Phenolic Resin shelves each (8”) wide with acid resistant finish. Base includes one cupboard base cabinet including one adjustable shelf with acid resistant finish.

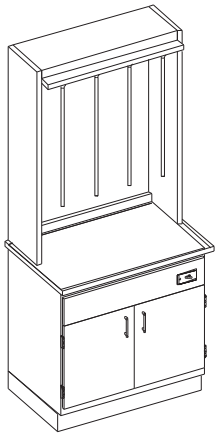
31070 - Potting Station



31060 *- Same as* ***31070****, but without soil carts.*
61”Length X 24”Width X 29”Height

Top is Phenolic Resin (1”) thick with (2”) high back retaining curb. Shelf assembly (21”) high, has two fixed hardwood shelves (8”) wide. Base includes one cupboard cabinet and heavy duty, bolted open frame end section to accept two #33802 soil carts.

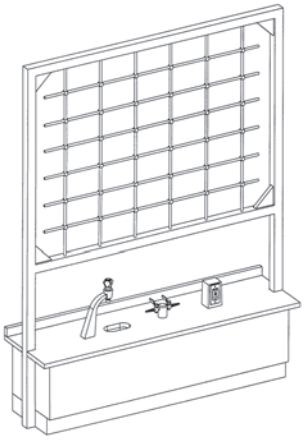
28768 - Titration Station



37”Length X 24”Width X 36”Height

Efficient, industrial laboratory quality. Reagent shelf is (35” X 15 11/16” X 30 1/2”) with four (3/8”) diameter aluminum burette rods. Two fluorescent bulbs are located just below the counter with 1/4” translucent white glass on top. Includes one base cabinet, two 30-watt fluorescent lamps and fixtures, and one light switch. (1”) Shelresin top.

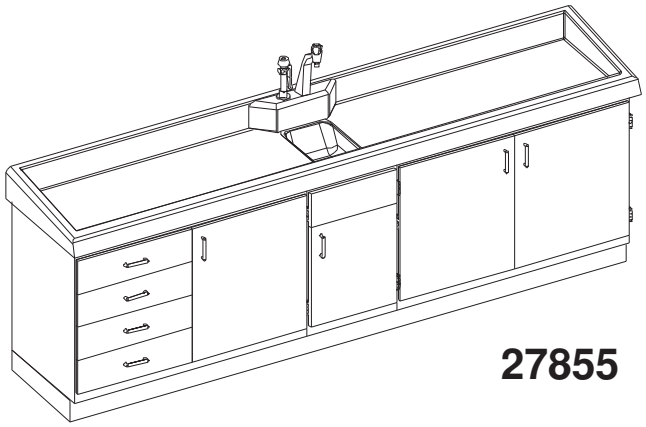
Setup Rack Station



28800 **- 47”Length X 17”Width X 18”Height**
28810 **- 53”Length X 17”Width X 18”Height**
28820 **- 62”Length X 17”Width X 18”Height**

For extensive assemblies of chemical glassware and apparatus. Counter is (18”) high of Shelresin. Rack is (84”) high with tubular supports and (1/2”) diameter aluminum cross rods. Has (3”) resin cup sink, one Unicast cold water fixture and one double gas fixture. Front panel removable for access to plumbing. Trap not included.

Rinse Away Stations



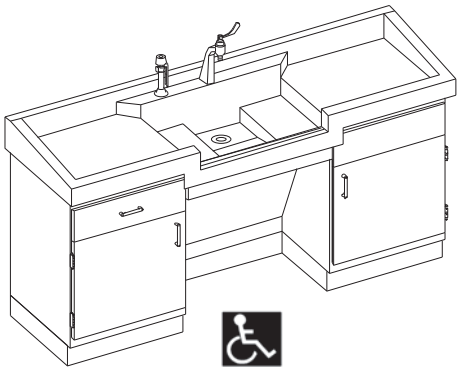
27855

Clean up facilities are the focal point of many activities in the laboratory. They must be of materials, sizes, and designs able to perform a variety of functions: clean up, water supply for preparing solutions, and an area for soaking brushes and tools. To meet these needs as well as the special requirements of the individual classroom, Sheldon offers a variety of sink facilities including rinse away counters, island sink centers and cabinet sinks. Sheldon Rinse Away counters provide a long sloped counter, integral sink, raised edges and coved corners to retain spilled materials and liquids. Ideal for plant and animal preparations that are messy. The top assembly is all one piece of fiberglass reinforced polyester with high alkali and abrasion resistant surface.

27855 - Rinse Away Stations with Center Sink

114"Length X 24"Width X 36"Height (To Countertop)
27850 **- Same as 27855, except (29") High; base includes one three-drawer cupboard cabinet, one sink cabinet, and one cupboard cabinet.**

Top is (114" X 24") with integral sink (18" X 12" X 5") I.D., with (1 1/2") sink outlet and stopper. Base includes one four-drawer cupboard cabinet, one sink cabinet, and one cupboard cabinet. Services include one Unicast cold water fixture & one hand-held eyewash. Trap not included.



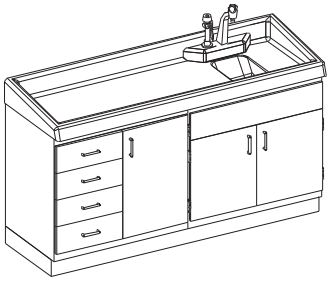
27820

27820 • ADA Rinse Away Sink Station

80"Length X 24"Width X 36"Height (To Countertop)

Top is (80" X 24") one piece molded fiberglass with integral sink, continuous raised edges and coved corners. Sink assembly is provided with bi-level work surface to meet "ADA Guidelines for Wheelchair Accessibility." Unit consists of one base cabinet, one sink cabinet and a removable center panel-providing access to services. Services include one Unicast cold water fixture with wrist blade handle and one hand-held eyewash. Trap not included.

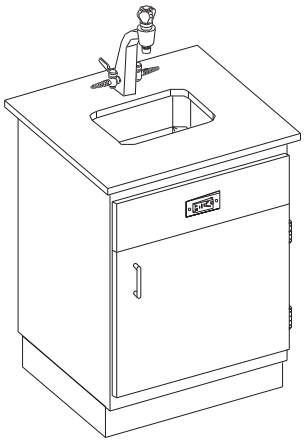
27875 - Rinse Away Stations with End Sink



70 1/2"Length X 24"Width X 36"Height (To Countertop)
Similar to #27855, except sink is located at right. Base includes one four-drawer cupboard cabinet and one sink cabinet. Trap not included.

27870 **- Same as 27875, except (29") High. Base includes one three-drawer cupboard cabinet & one sink cabinet.**
27865 **- Same as 27875, except sink is located at left.**
27860 **- Same as 27870, except sink is located at left.**

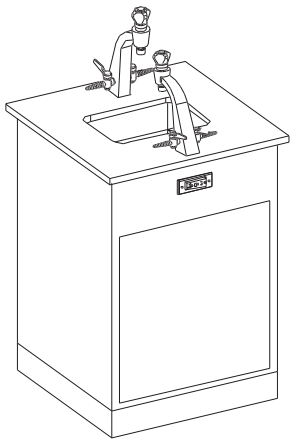
75340 - Sink Station



26”Length X 24”Width X 36”Height

Top is (1”) Shelresin with Shelresin sink (14” X 10” X 6”) I.D. One Unicast combination cold water and gas fixture and one GFI duplex electrical outlet. Base cupboard finished on all four sides for island installation. Trap not included.

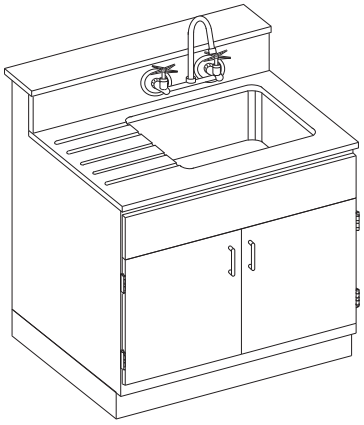
75410 - Sink Station



24”Length X 24”Width X 43”Height

Top is (1”) Shelresin with Shelresin sink (14” X 10” X 6”) I.D. Two Unicast combination cold water and gas fixture and two GFI duplex electrical outlets. Base cupboard finished on all four sides for island installation. Trap not included.

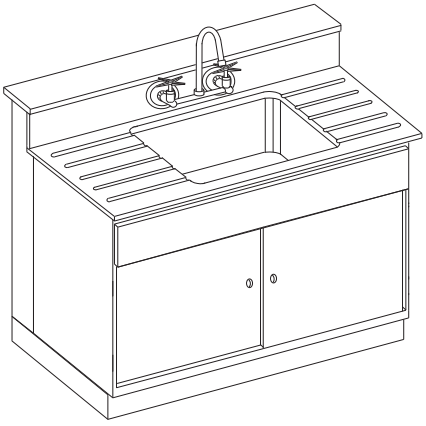
75600 - Sink Station



37”Length X 30”Width X 36”Height (To Countertop)
75605 - Same as 75600, except sink is at left.

Sheldon sink stations provide ample work area as well as wide and deep basins. Drain boards and splashback are of (1”) thick Shelresin, with resin sink. Services include one hot and cold water fixture. Trap not included.

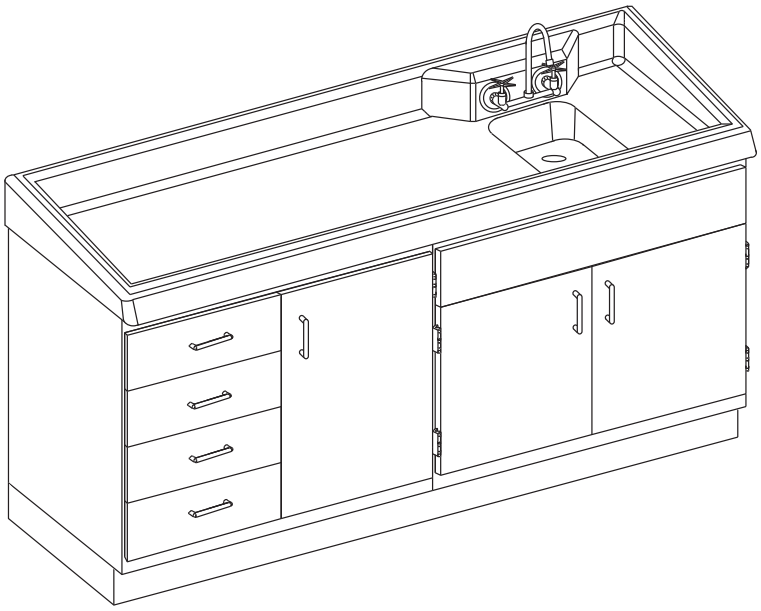
75610 - Sink Station



49”Length X 30”Width X 36”Height (To Countertop)

Same as 75600, except (49”) long, and cabinet has sliding doors and sink in center.

27890 - Darkroom Station



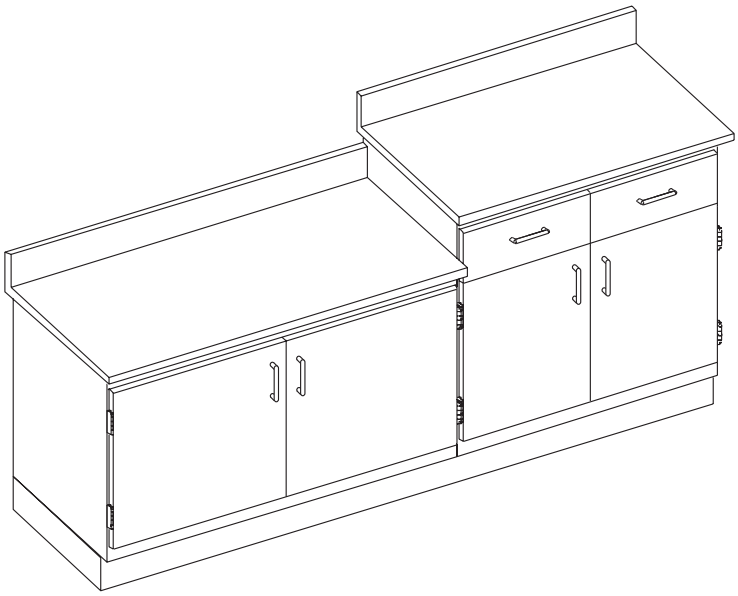
70 1/2" (Length) X 24" (Width) X 36" (Height To Countertop)

Smooth, stain-resistant fiberglass reinforced polyester top (70 1/2" X 24") with integral sink (18" X 12" X 5") I.D. (1 1/2") sink outlet and stopper; sloped counter, raised edges all four sides and covered corners. Base cabinets include one sink cabinet and one four-drawer cabinet. Services include one hot and cold water fixture. Trap not included.

29100 - Dry Processing Photographic Station

84" (Length) X 24" (Width) X 29" / 36" (Height To Countertop)

For enlarging, cropping, trimming, printing, mounting, etc. Black (1") Phenolic Resin top to accommodate enlargers and other instruments and apparatus used at this station. Drawers permit storage of light sensitive materials, but are **NOT** light proof.

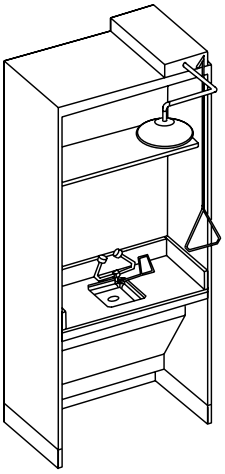


Safety Equipment

Sheldon LABORATORY SYSTEMS

- ✧ Safety Centers & Eye Washes
- ✧ Safety Glass Cabinets
- ✧ Acid & Chemical Storage

66100 • 66105 - Safety Center

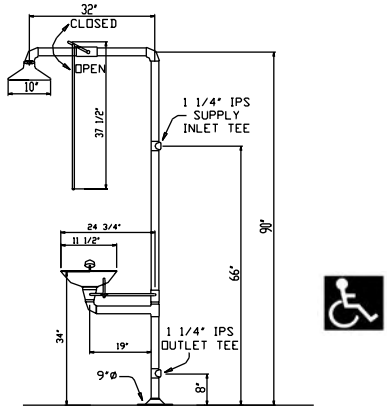


35”Length X 21 5/8”Width X 85”Height

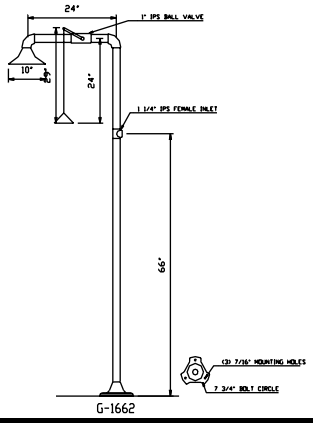
Safety center fitted with overhead shower and standard eye wash fountain. ADA accessible.

#66105 non-ADA version available.

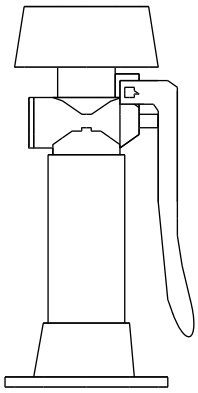
Eye Washes



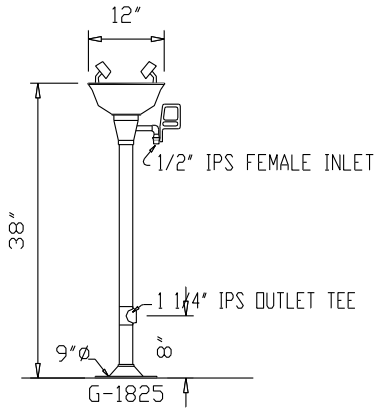
GBF-1909
ADA Overhead Shower & Eyewash



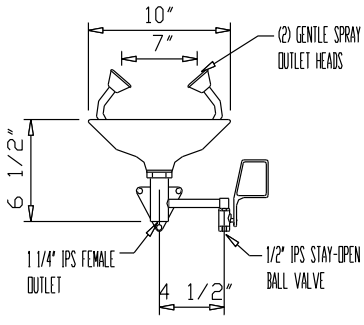
G-1662
Overhead Shower



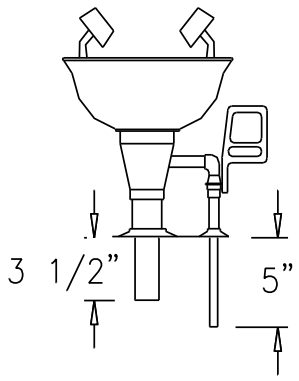
G-5020
Hand Held Eye / Face Shower



G-1825
Floor Mounted Eyewash

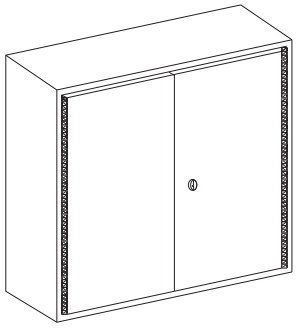


G-1814
Panel Mounted Eyewash



G-1822
Deck Mounted Eyewash

31170 - Safety Glasses Cabinet



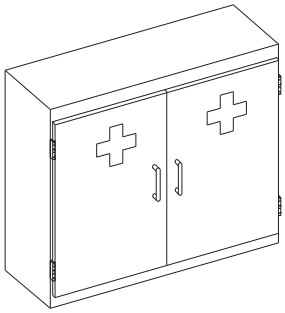
24 1/2”Width X 9 1/2”Depth X 32”Height
Note: Needs electrical source.

24 gauge white enameled steel cabinet with steel interior features (8) removable wire racks; each rack accommodates (6) pairs of safety glasses or (5) pairs of goggles. Automatic timer controls lamps. Lock included. Goggles and glasses not included.

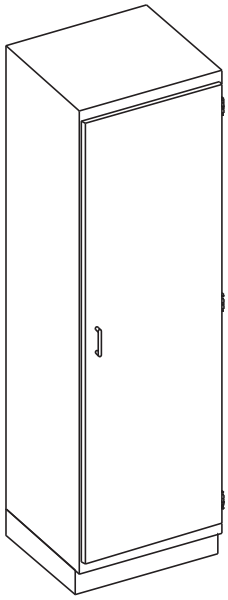
66109 - First Aid Cabinet

35”Width X 12”Depth X 30 1/2”Height

First aid cabinet with two adjustable shelves. Doors of white Melamine materials with Red Cross applied.



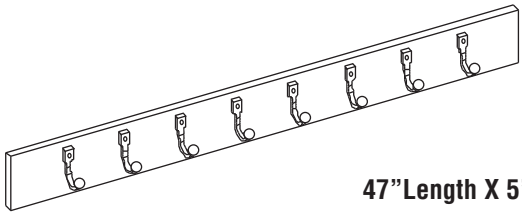
68330 - Apron / Smock Storage Cabinet



24 ”Width X 22”Depth X 82”Height

Storage case with one 24-hook pullout carrier, one fixed shelf.

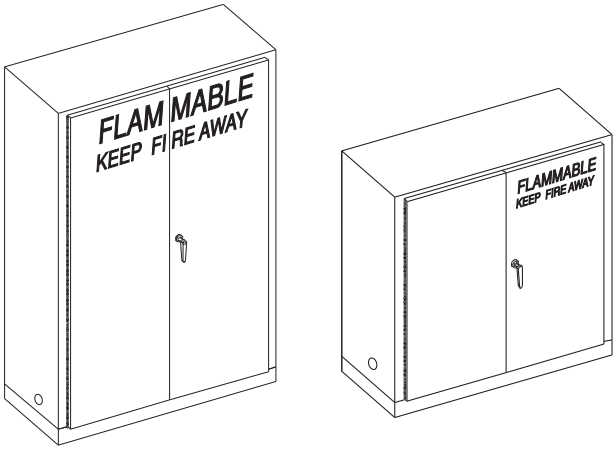
73826 - Apron Rail



47”Length X 5”Height

Hooks for storage of aprons.

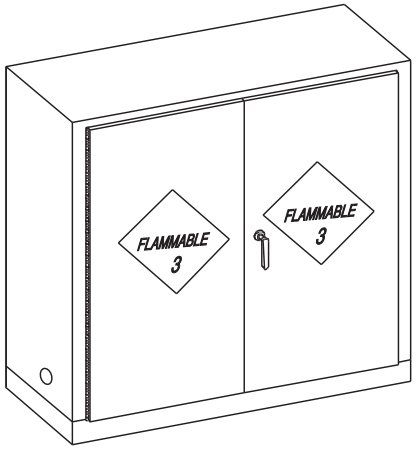
25100 • 25200 - Flammable Chemical Storage Cabinet (Metal)



25100 • 43"Length X 18"Width X 65"Height (45 Gallon Capacity)
25200 • 43"Length X 18"Width X 44"Height (30 Gallon Capacity)

Cabinets double wall construction throughout with (1 1/2") insulating air space between inner and outer walls; hinged doors with 3-point latch & lock; two adjustable shelves with reinforced galvanized steel; (2") deep, pan-type bottom; screened flame arrestor vent on each side & threaded to accept (2") standard pipe. Finish is bright, safety yellow and labeled in red "Flammable Liquid-Keep Fire Away." Cabinets comply with National Fire Protection Association's Combustible Liquid Code 30 and L.S.H.A. safety requirements.

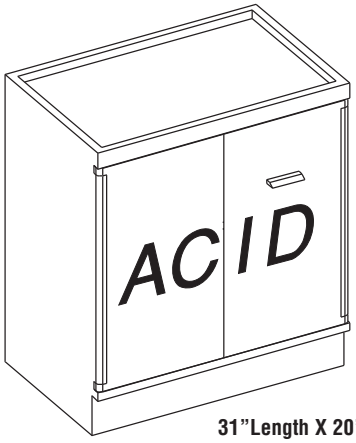
SC7131 - Flammables Storage Cabinet (Wood)



43"Length X 18"Width X 44 3/4"Height (45 Gallon Capacity)

Constructed of (1") thick high-density plywood; cabinet joints rabbeted for extra strength; continuous piano-type hinge on door; cabinet floor constructed as a liquid-tight trough to retain spillage; (1) variable position shelf mounted on metal shelf standards and supports; provided with lock and 2 keys (all hardware corrosion resistant); finished with yellow epoxy paint (inside & out), and 10" X 10" hazard label. Cabinet complies with all O.S.H.A. and National Fire Protection Association standards.

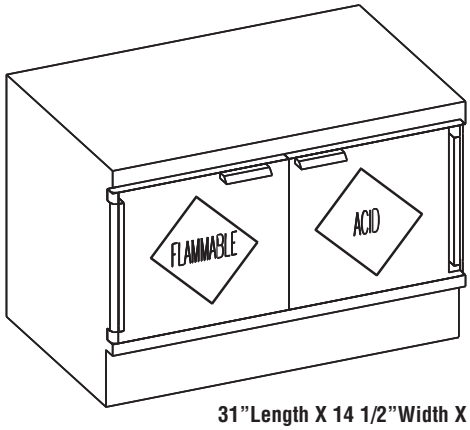
SC8051 - Acid Storage Cabinet (Wood)



31"Length X 20"Width X 36 1/2"Height

Entirely constructed of (1") thick high-density, 9-ply plywood. Top recessed to include liquid-tight polypropylene tray. Tray will hold 3 gallons of spilled liquid and can be used as a dispensing area. Interior FULLY lined with polypropylene. All polypropylene (.125") thick. Cabinet floor constructed as a liquid-tight trough to contain spillage. Interlocking wooden door assembly; one fixed position shelf. Any and all fasteners used are plastic, including nylon screws. Polypropylene lock assembly with padlock and 2 keys furnished for cabinet. Bottle capacity: (30)-5 pints or (90)-1 pint. Meets all O.S.H.A. and National Fire Protection Association standards.

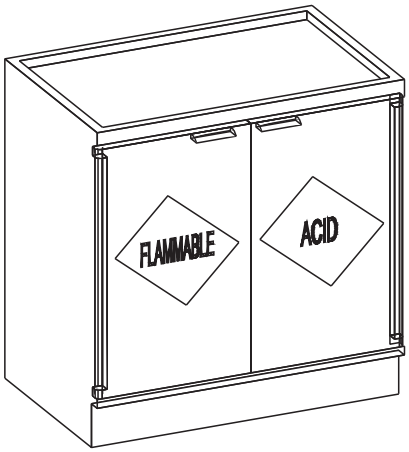
SC9041 - Combination Acid / Flammables Cabinet (Wood)



31"Length X 14 1/2"Width X 17"Height

Cabinet constructed of (1") thick high-density, 9-ply plywood. Two separate and isolated compartments for separate storage of flammables and acids. Each compartment constructed to provide a liquid-tight trough to hold accidental spills. Polypropylene acid compartment lock with padlock and 2 key furnished. Flammables compartment provided with a separate lock. Natural wood stain with Super Chem-Tuff® finish. 4" acid and flammables label permanently mounted on each compartment door. Bottle capacity: Acid (4)-5 pints or (16)-1 pint; Flammables (5)-1 gallon or (16)-1 pint. Meets all O.S.H.A. and National Fire Protection Association standards.

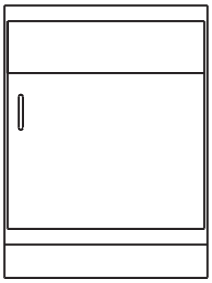
SC4236 - Sheldon Acid / Flammable Storage Cabinet



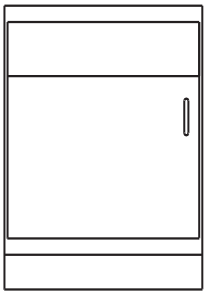
35”Length X 22”Width X 35 1/2”Height

Storage cabinet is actually two cabinets in one. Acid side features wooden hinge assembly; polypropylene hasp assembly; interior fully lined with polypropylene; 10” corrosive label for easy identification. Flammables side features continuous metal hinge; metal lock assembly; adjustable shelf; 10” flammables label for easy identification. Cabinet is finished with chemical resistant paint.

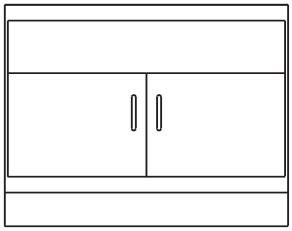
Fumehood Acid Storage Cabinets • Metal



F243622-100 24”W

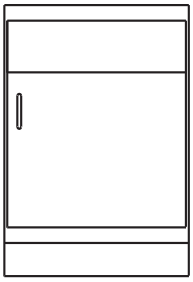


F243622-101 24”W

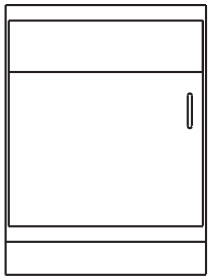


F293622-200 29”W
F353622-200 35”W
F473622-200 47”W
F583622-200 58”W

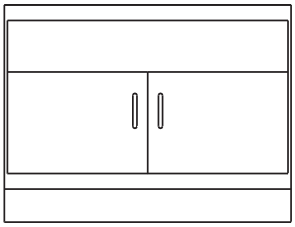
Fumehood Solvent Storage Cabinets • Metal



F243622-120 24”W



F243622-121 24”W



F293622-240 29”W
F353622-240 35”W
F473622-240 47”W
F583622-240 58”W

Fumehoods

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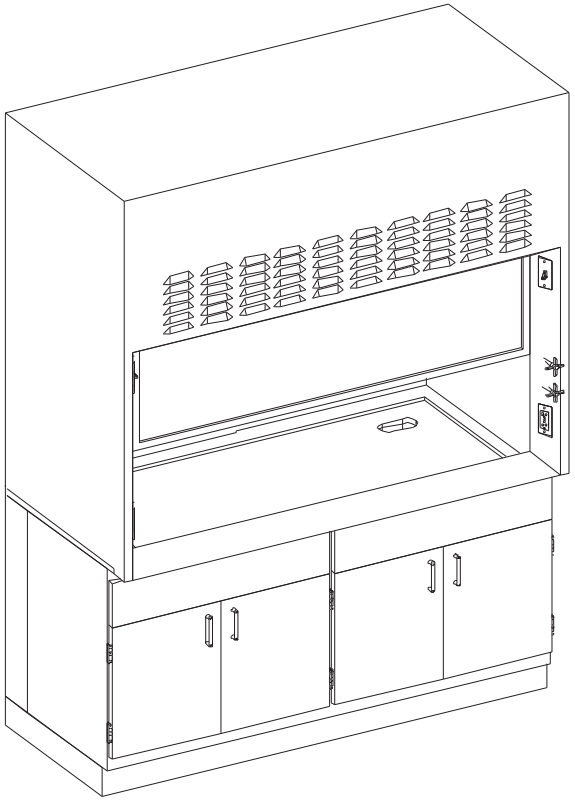
Sheldon LABORATORY SYSTEMS

- ✧ Specialty Hoods
- ✧ Bench-Type Hoods
- ✧ ADA Fumehoods
- ✧ Mechanical Detail Information

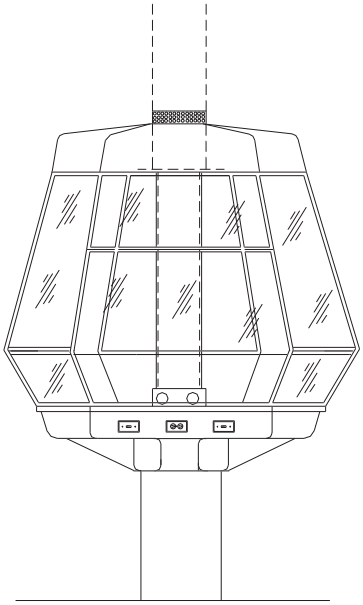


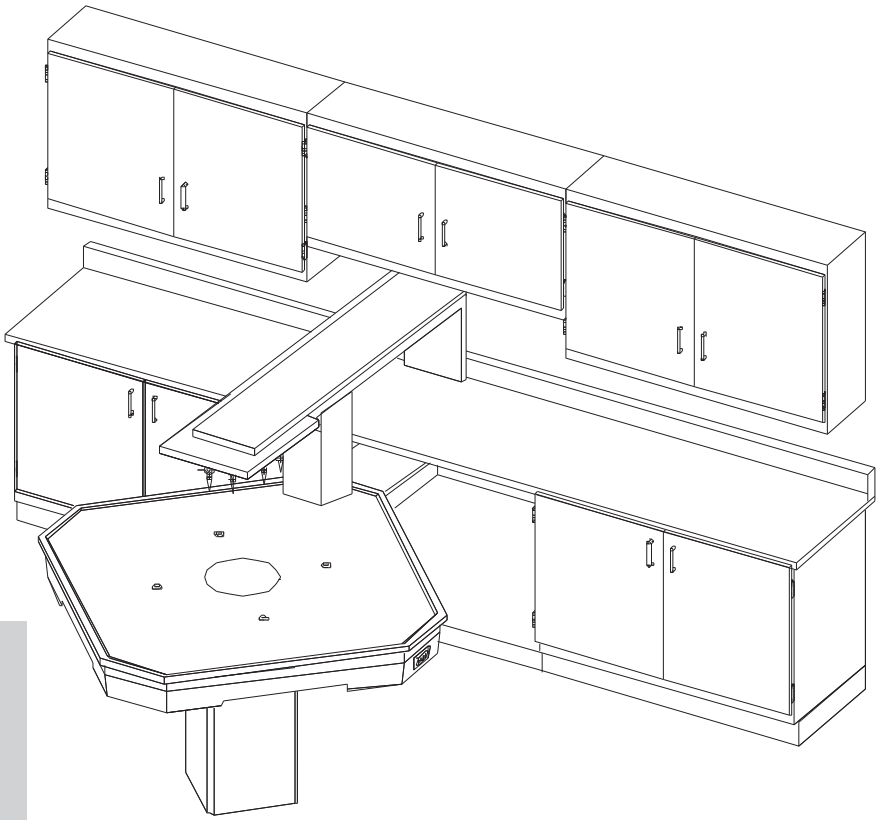
The **FUMEHOOD** is one of the most important items of technical equipment in the laboratory, and should be chosen very carefully. The design must relate correctly to the type of work to be performed in order to provide adequate service and insure safety for all personnel.

In planning the size and number of hoods, one must consider both the work and the availability of air to be exhausted. The hood cannot operate to maximum capacity if it is starved for air. Insufficient air supply can also affect the total environment of not only the laboratory, but adjacent areas of the entire building.

Making these determinations requires knowledge and experience in hood air efficiency; supply and exhaust balance; duct and blower capacity; air movement characteristics; limitations of a system; and potential pollution problems with the laboratory as well as outside the building.

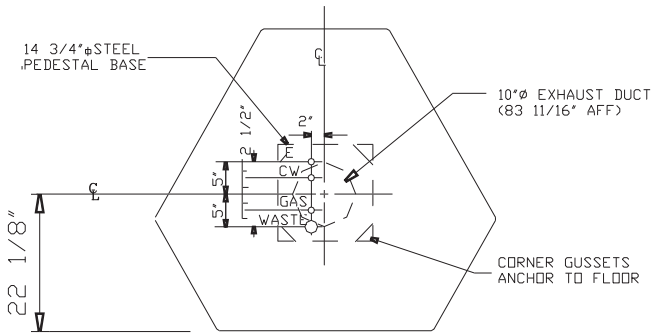
While every job is different and necessitates separate consideration, experience does recognize similarities, which can be applied in many instances. Sheldon personnel have the expertise to help you select the fume hood system most suited to your individual laboratory situation.





For more complete information & additional hood sizes, contact your Sheldon representative, or our Home Office... 601.892.2731 for the Fume Removal Systems & Hoods Catalog.

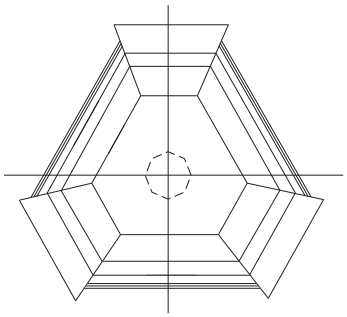
99300 • 99400 - Specialized Work Centers

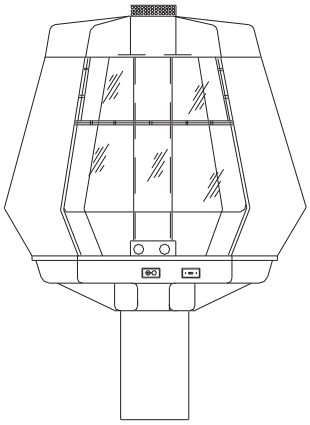


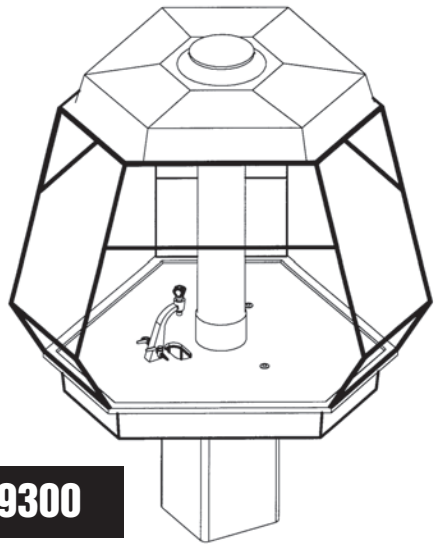
SUGGESTED ROUGH-INS

This specialized work center with fume exhaust achieves its efficiency as the result of the unique, all-purpose, center exhaust column. Heavier-than-air gases are handled at the work top level, and lighter-than-air gases are exhausted through the upper plenum. Extra student protection is provided by drop-down safety panels which require no adjustments.

All the superstructure components are of corrosive resistant materials; fixtures and other metal equipment are specially coated for heat and fume resistance. Electric receptacles are located on the hood exterior to eliminate possible hazards and corrosion.

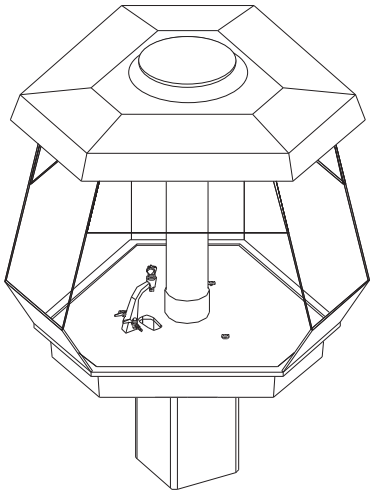






99300

99400

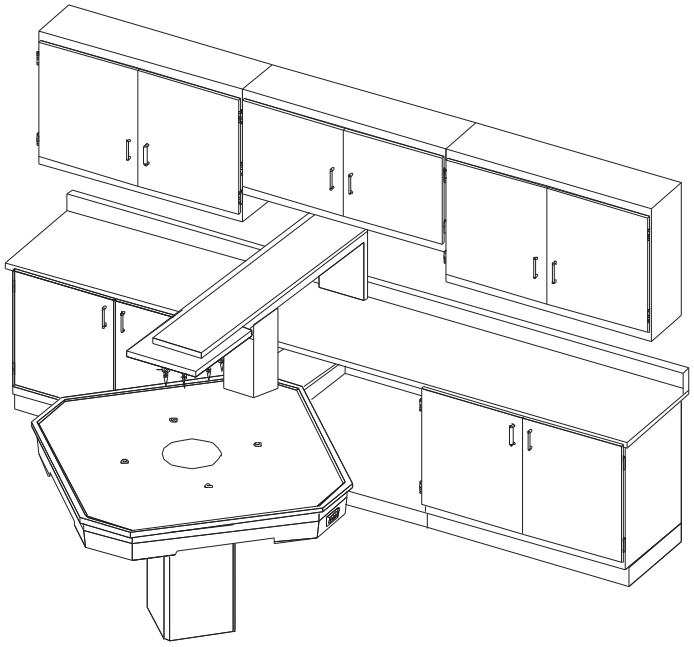


99300 • 99400 - 84"Height X 70"Width

Work surface is (1") thick Shelresin and (36") high with three openings each (44" X 28") high and (18") hinged panel which can be lowered for safety or to increase air velocity. Services include one (6" X 3") oval cup sink, one Unicast combination water & double gas fixture, three apparatus rod bases, three (18") high ring stand rods, three GFI duplex electrical receptacles in support structure and three switched lights in the top plenum panels. External exhaust fan (by others) should provide 1632 cfm exhaust air at hood duct outlet. Static pressure at duct outlet should be (1/2") S.P. Each of the (3) three hood openings has face velocity of 100 fpm with flip panels lowered and 67 fpm with flip panels raised. 10" diameter duct can be extended through hood top to the ceiling.

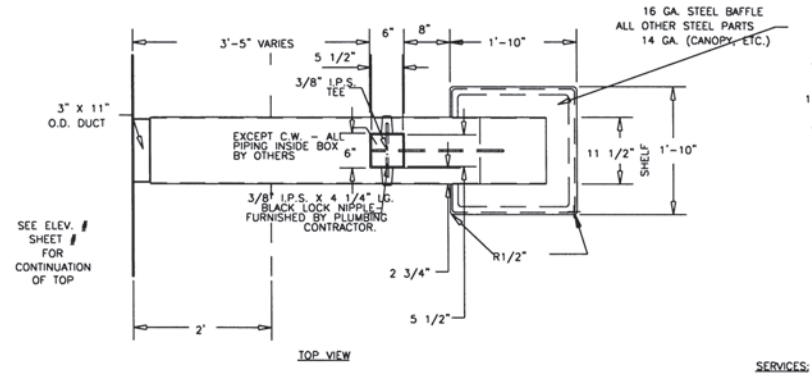
99400 - When auxiliary air (unconditioned air from external source) is required, external fan should provide 816 cfm. Static pressure at auxiliary air chamber induced at (1/2") S.P.

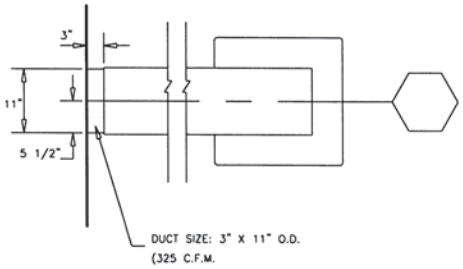
98810 - Specialized Countertop Fumehood for TE II Lab Center



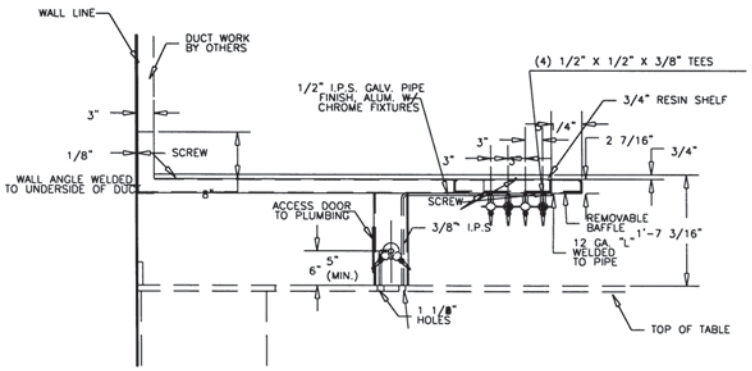
Sheldon fumehoods are easily adaptable to TE II Laboratory work stations. This illustration is an example of how Sheldon Countertop Fumehoods fit over the table to provide up to four students with a safe environment and service mounted off working surface for unobstructed working area.

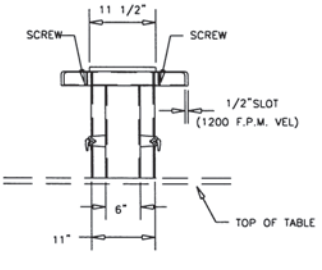
Top of hood can be used for storage of reagents. The countertop hood is an economical solution for specialized and advanced work stations. Shelf is (1") Shelresin.





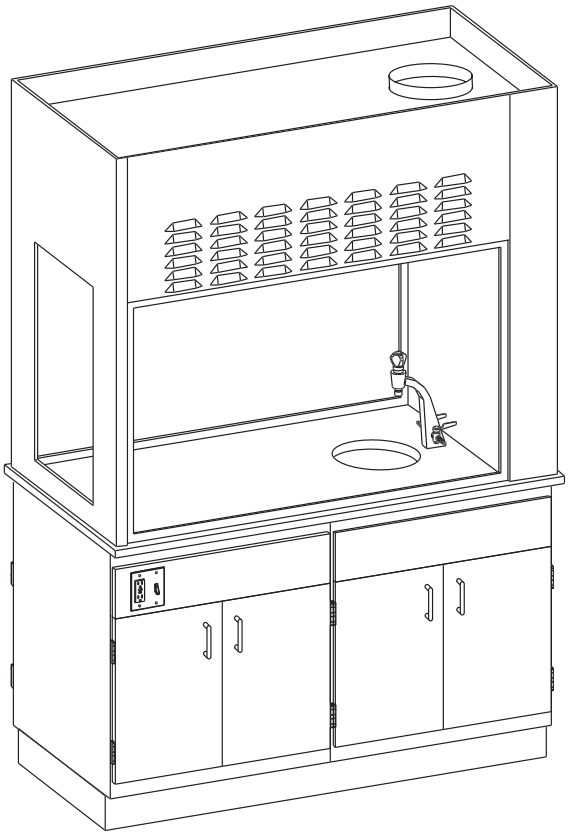
SERVICES:
(2) #L-158-137 DOUBLE GAS FIXTURES, W/ BALL COCK VALVE & SHANK ASS'Y
(4) #80440 C.W. FIXTURES W/WRIST BLADE & VACUUM BREAKER.

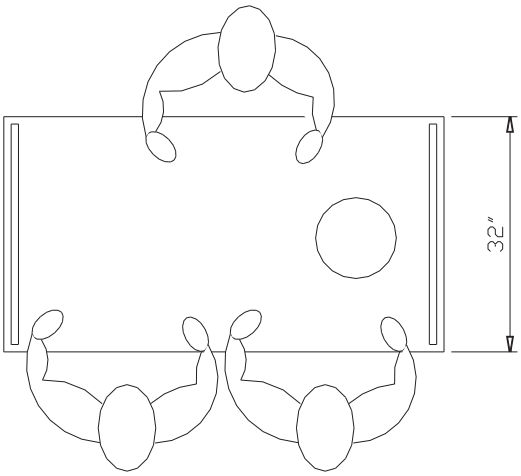




99510 • 90510 • 99500 • 90500 - Demonstration Fumehoods

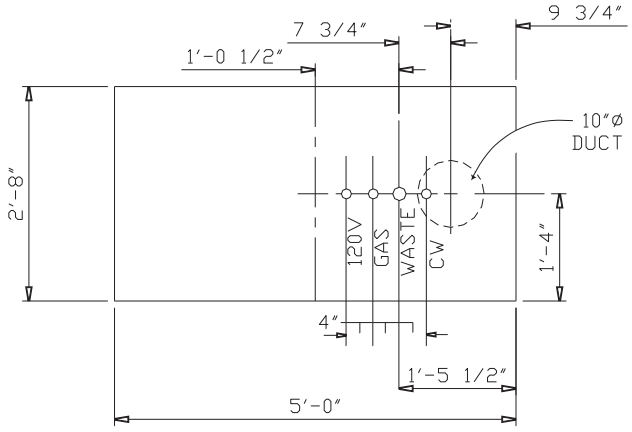
99510 - 60”Length X 32”Width X 84”Height; With sash on both sides.
90510 - 60”Length X 32”Width X 84”Height; With sash on both sides; with auxiliary air.
99500 - 60”Length X 32”Width X 84”Height; Without view window.
90500 - 60”Length X 32”Width X 84”Height; Without view window; with auxiliary air.





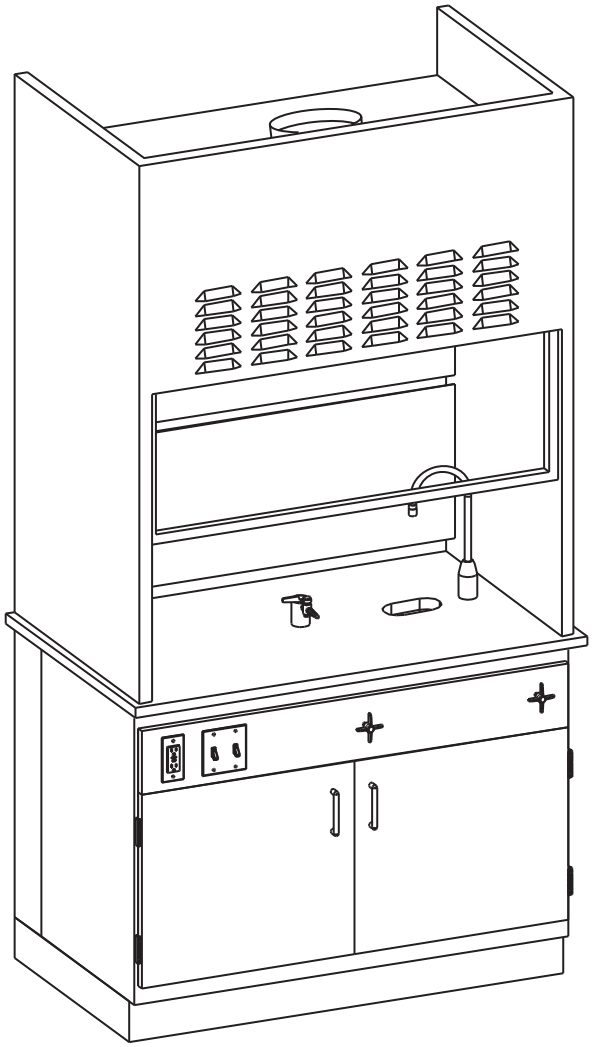
An excellent teaching and demonstration facility that provides the entire class with an unobstructed view of the instructor and activity. Complete service facilities make it an ideal work station and a materials preparation center for the teacher.

Countertop is 1” Shelresin, (36”) high. Base cabinet has doors both sides. Hood superstructure has adjustable end and top baffles. Services include one (12”) diameter Shelresin sink, one Unicast combination cold water and gas fixture, one vapor proof light and switch, one duplex 125 volt A.C. electrical receptacle, (10”) duct stub (4 1/2”) high for duct connection on top. Fume hood liner is phenolic resin. Hood is available with or without end-view window. Sheldon recommends this hood to operate at an average of 60 lfm. Fume hood generates (.45) S.P. at duct collar. Exhaust blower can be included when specified.



SUGGESTED ROUGH–IN

Thin Wall Fumehoods



The Thin Wall conventional bypass hood offers superior economy while maximizing use of lab space.

Air management designed by constant volume through open sash or through bypass chamber when sash is closed. Flush interior permits smooth airflow.

Outer wall is chemical resistant painted sheet steel. Interior lining is phenolic resin.

Standard features include fluorescent light fixture (bulb not included). Louvered front panel.* Services include cupsink, water and gas outlets with remote control valves, light switch, blower switch and (1) duplex electrical receptacle. Additional services can be provided when requested.

Base cabinets are wood with finish color as selected. Work counter is (1") thick Shelresin. Exhaust blower can be included, when specified, at an adjusted price. Refer to mechanical details page for roughing-in and duct sizes.

** VAV style hoods have no louvers.*

Number	Interior	Length	Face Area Opening	Exhaust (100 lfm)	S.P. (In. @ Hood)
93104	Phenolic Resin	4'-0"	9.1 sq. ft.	916 cfm	.40
93108	Phenolic Resin	5'-0"	11.5 sq. ft.	1145 cfm	.39
93112	Phenolic Resin	6'-0"	13.9 sq. ft.	1395 cfm	.37

With Auxiliary Air:

Number	Length	70% of Hood cfm	S.P. (In. @ Hood)
90104	4'-0"	641	.20
90108	5'-0"	801	.24
90112	6'-0"	976	.30

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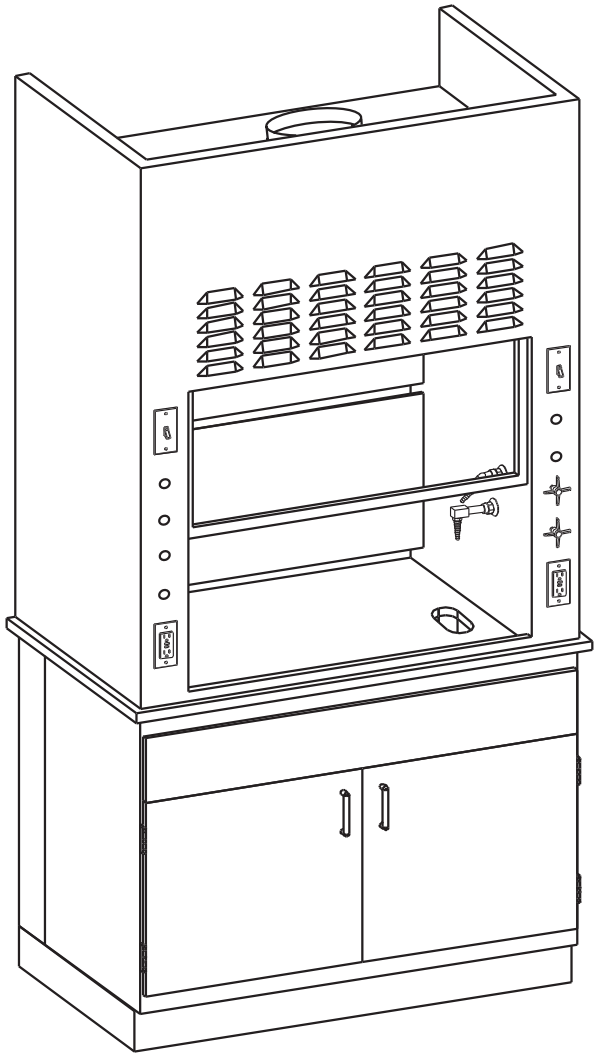
Flat Front Fumehoods



The Flat Front conventional bypass hood has double wall-ends for ease of service outlet installation.

Constant exhaust volume draws air efficiently through the sash when open or through the bypass chamber when sash is closed.

Outer wall is chemical resistant painted sheet steel. Interior lining is phenolic resin. Double wall construction offers a 5" chase area, making it easy to install plumbing and electrical fixtures within walls.

Each hood is provided with a fluorescent light fixture (bulb not included), stainless steel sash interiors and louvered front panel.* Services include cupsink, water and gas outlets in end panel with remote control valves. Light switch and duplex electrical receptacles are in the left end post. Additional services can be provided when requested.

Base cabinets are wood with finish color as selected. Work counter is (1") thick Shelresin. Exhaust blower can be included, when specified, at an adjusted price. Refer to mechanical details page for roughing-in and duct sizes.

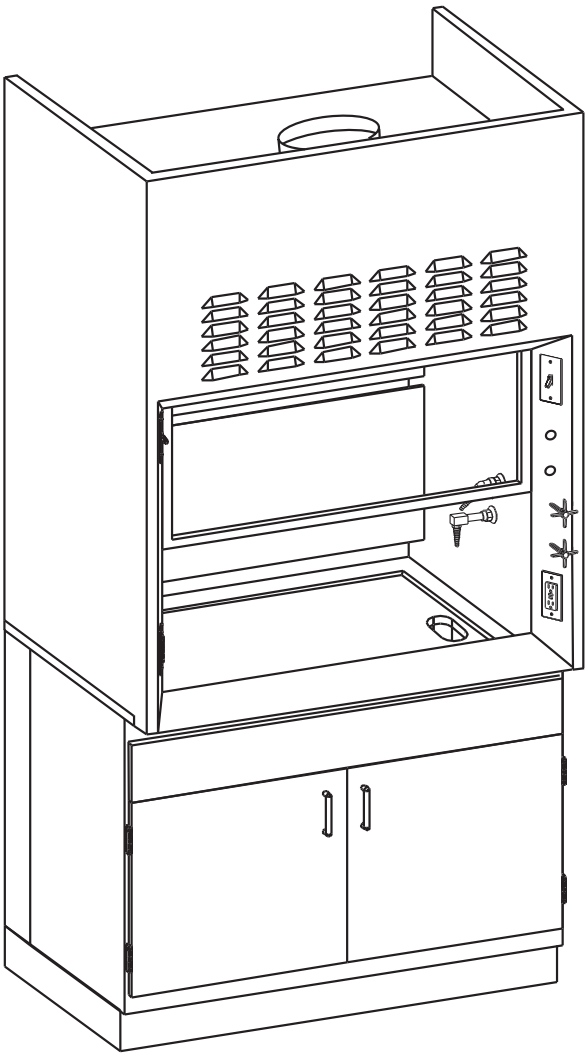
** VAV style hoods have no louvers.*

Number	Interior	Length	Face Area Opening	Exhaust (100 lfm)	S.P. (In. @ Hood)
91273	Phenolic Resin	4'-0"	7.7 sq. ft.	770 cfm	.33
91281	Phenolic Resin	5'-0"	10.0 sq. ft.	1000 cfm	.34
91293	Phenolic Resin	6'-0"	12.5 sq. ft.	1250 cfm	.34

With Auxiliary Air:

Number	Length	70% of Hood cfm	S.P. (In. @ Hood)
90273	4'-0"	539	.20
90281	5'-0"	700	.24
90293	6'-0"	875	.30

Air Foil Fumehoods



The Air Foil conventional bypass hood frames the sash opening in angled fascia to minimize air turbulence.

Constant exhaust volume draws air efficiently through the sash when open, or through the bypass chamber when sash is closed.

The outer wall is chemical resistant painted sheet steel. Interior lining is phenolic resin. Double wall construction offers a 5" chase area, making it easy to install plumbing and electrical fixtures within walls.

Front opening is framed with a 45° angle fascia that substantially reduces the turbulence of air entering the hood. The bottom horizontal airfoil directs a current of air at countertop level to purge heavy fumes or spillage.

Each hood is provided with a fluorescent light fixture (bulb not included), stainless steel airfoil, stainless steel sash interiors and louvered front panel.* Services include cupsink, water and gas outlets with remote control valves, light switch, blower switch and (2) electrical receptacle. Additional services can be provided when requested.

Base cabinets are wood with finish color as selected. Work counter is (1") thick Shelresin. Exhaust blower can be included, when specified, at an adjusted price. Refer to mechanical details page for roughing-in and duct sizes.

** VAV style hoods have no louvers.*

Number	Interior	Length	Face Area Opening	Exhaust (100 lfm)	S.P. (In. @ Hood)
92204	Phenolic Resin	4'-0"	7.7 sq. ft.	770 cfm	.33
92208	Phenolic Resin	5'-0"	10.0 sq. ft.	1000 cfm	.34
92212	Phenolic Resin	6'-0"	12.5 sq. ft.	1250 cfm	.34

With Auxiliary Air:

Number	Length	70% of Hood cfm	S.P. (In. @ Hood)
90204	4'-0"	539	.20
90208	5'-0"	700	.24
90212	6'-0"	875	.30

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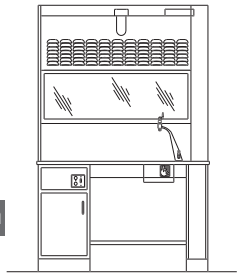
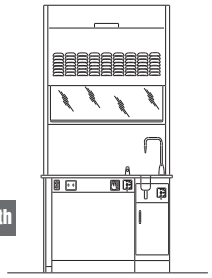
ADA Demonstration Fumehood



6' Width

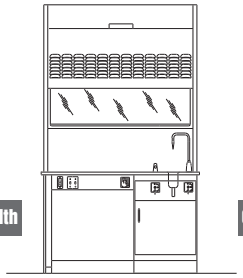
99510ADA - With Sash Both Sides
90510ADA - With Sash Both Sides; auxiliary air
99500ADA - Without view window
90500ADA - Without view window; with auxiliary air

ADA Thin Wall Fumehoods



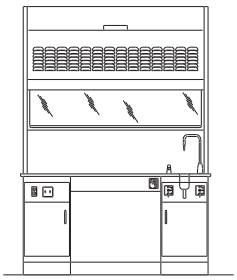
4' Width

93104ADA
90104ADA - With auxiliary air



5' Width

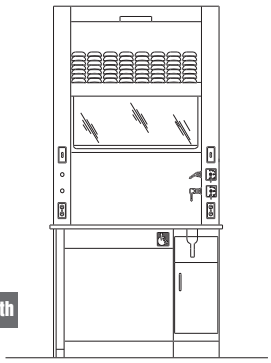
93108ADA
90108ADA - With auxiliary air



6' Width

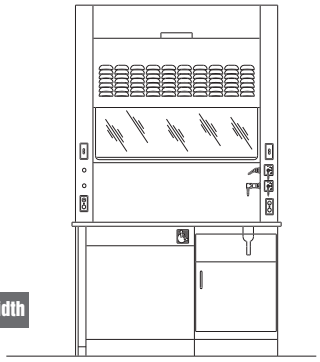
93112ADA
90112ADA - With auxiliary air

ADA Flat Front Fumehoods



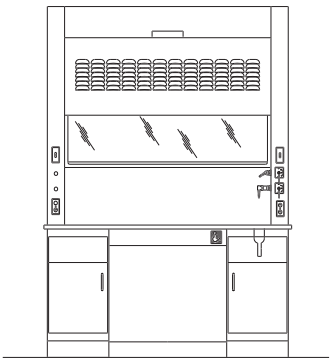
4' Width

91273ADA
90273ADA - With auxiliary air



5' Width

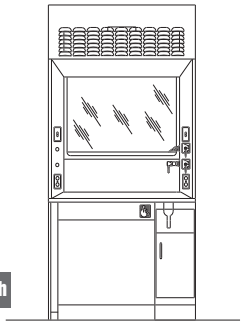
91281ADA
90281ADA - With auxiliary air



6' Width

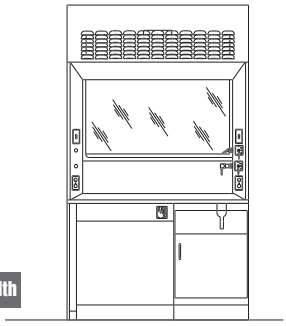
91293ADA
90293ADA - With auxiliary air

ADA Air Foil Fumehoods



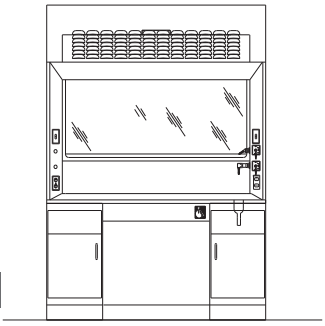
4' Width

92204ADA
90204ADA - With auxiliary air



5' Width

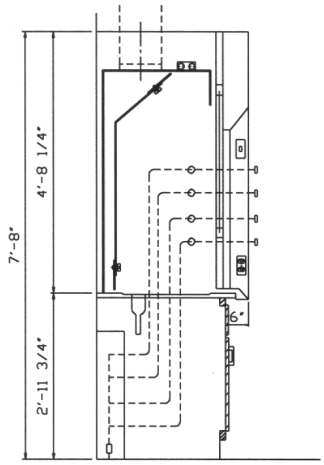
92208ADA
90208ADA - With auxiliary air



6' Width

92212ADA
90212ADA - With auxiliary air

Mechanical Details - Piping & Duct Requirements

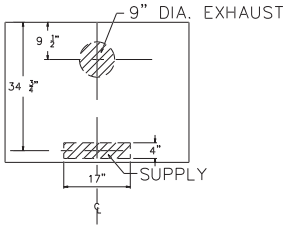


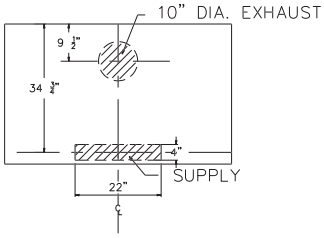
The illustration at left shows duct and piping service in relation to the total hood assembly. Supply air connection at top of plenum is a part of a supply air type hood only. The exhaust duct is applicable to all hoods. Duct stubs can be positioned on superstructure with slight variation from dimensions shown to special building conditions when required. In such instances, the adjustment must be determined and engineered prior to fabrication.

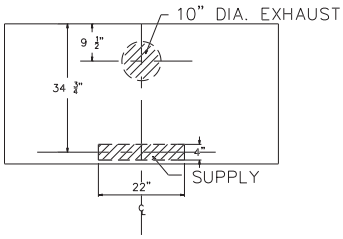
Pipe and conduit from building supply lines should extend into the pipe space in the hood base cabinet. The space is (7") wide from back wall forward, full length of cabinet, and (33") high to underside of countertop. Building piping may enter pipe space through floor, through wall, or along surface of wall and through cabinet end.

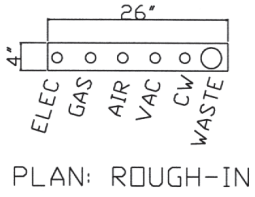
Fixture assemblies designed to fit into superstructure ends, consists of remote control valve, extension handle and hose connection or gooseneck.

Supply pipes up to the fixture valves are **NOT** part of the assembly.







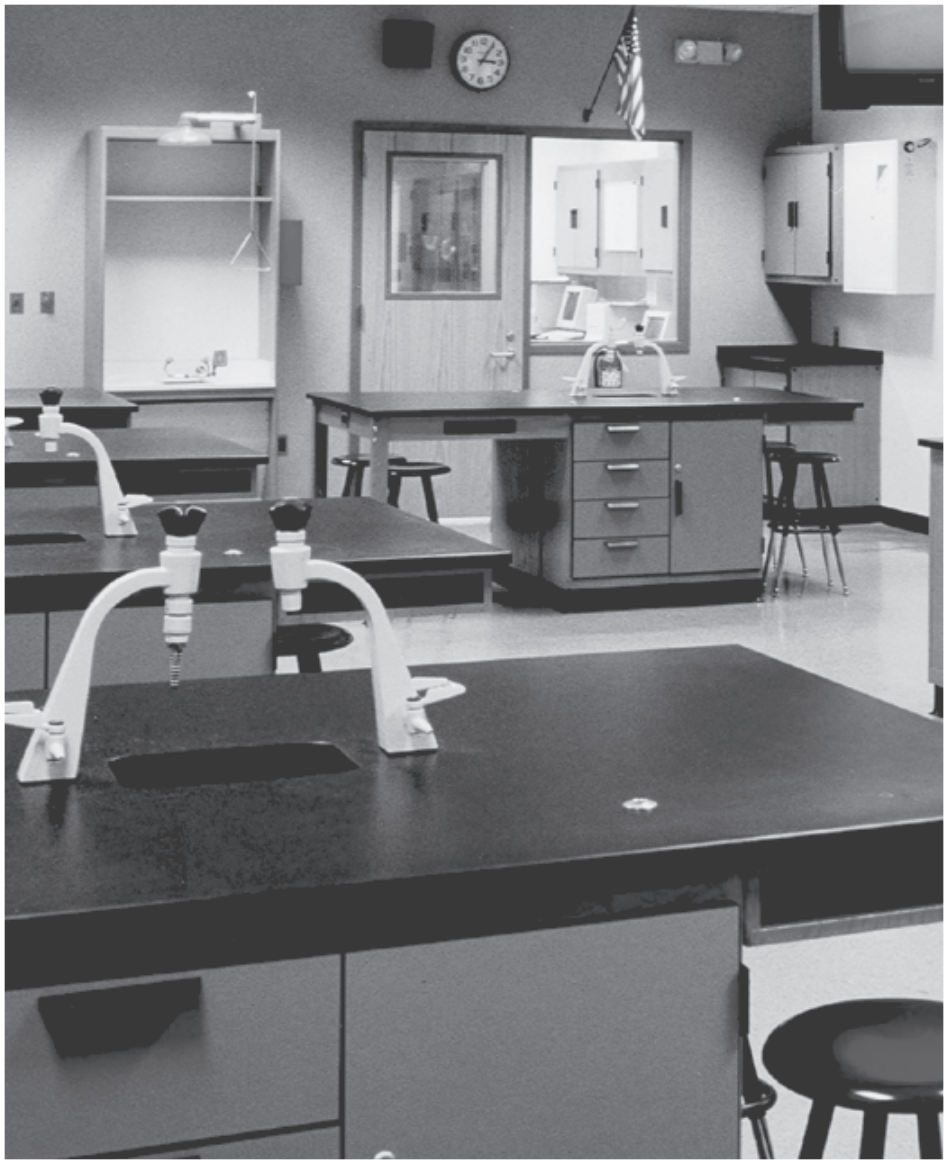


Diagrams illustrate supply and exhaust duct stubs for connection for above, and pipe sleeves through floor in relation to the various size hoods. Exhaust duct is required for every hood. Supply duct only for auxiliary type hoods. Services required in the hood should be piped through the floor by a rectangular slot large enough for all pipes, or individual holes for each pipe. Supply piping may also come through wall or end of hood unit into the pipe provided at back of base cabinet.

BLOWER Requirements

Many factors must be considered in determining the exact blower requirements for a specific hood or grade of hoods. The extent and design of the ductwork to and from the hood, however, can make a substantial difference in the total pressure of the system. This pressure difference will affect the characteristics of blowers.

Sheldon recommends 100 fpm face velocity for normal hood operation. See hood details for cfm and static pressure requirements.



CASEWORK

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Sheldon LABORATORY SYSTEMS

- ✧ Wood Cabinet Information
- ✧ Cabinet Options
- ✧ Lock Keying System
- ✧ Base Cabinets
- ✧ Wall Cases
- ✧ Tall Cases
- ✧ Utility Shelving
- ✧ Aprons & Legs

Series 100 Cabinets

Features-

- Premium Grade Cabinetry
- Steel Thru-Bolt Construction
- Red Oak Exteriors
- Birch Interiors
- Hardwood Core Plywood
- Mortised Hinges for snug fit
- Solid Hardwood Drawers
- Premium Cabinet Fronts
- Powder Coat Epoxy Hardware

Series 100 Cabinets may be specified with the following cabinet fronts:

- Square Edge Oak, 3mm Oak Edge Band, Lumber Core, Partial Overlay and Mortised Hinge.
- Radius Edge Oak, Oak Edge Band, Particle Board Core Doors, Solid Oak Drawer, Partial Overlay and Mortised Hinge.

Series 200 Cabinets

Features-

- Standard Grade Cabinetry
- Thru-Bolt Construction
- Red Oak Exteriors
- Hardwood Interiors
- Oak or Plastic Laminate Cabinet Fronts
- Powder Coat Epoxy Hardware

Series 200 Cabinets may be specified with the following cabinet fronts:

- Square Edge Oak, 3mm Oak Edge Band, Particle Board Core and Partial Overlay.
- Plastic Laminate, 3mm Black PVC Edge Band, Particle Board Core and Partial Overlay.
- Plastic Laminate, 3mm Oak Edge Band, Particle Board Core and Partial Overlay.

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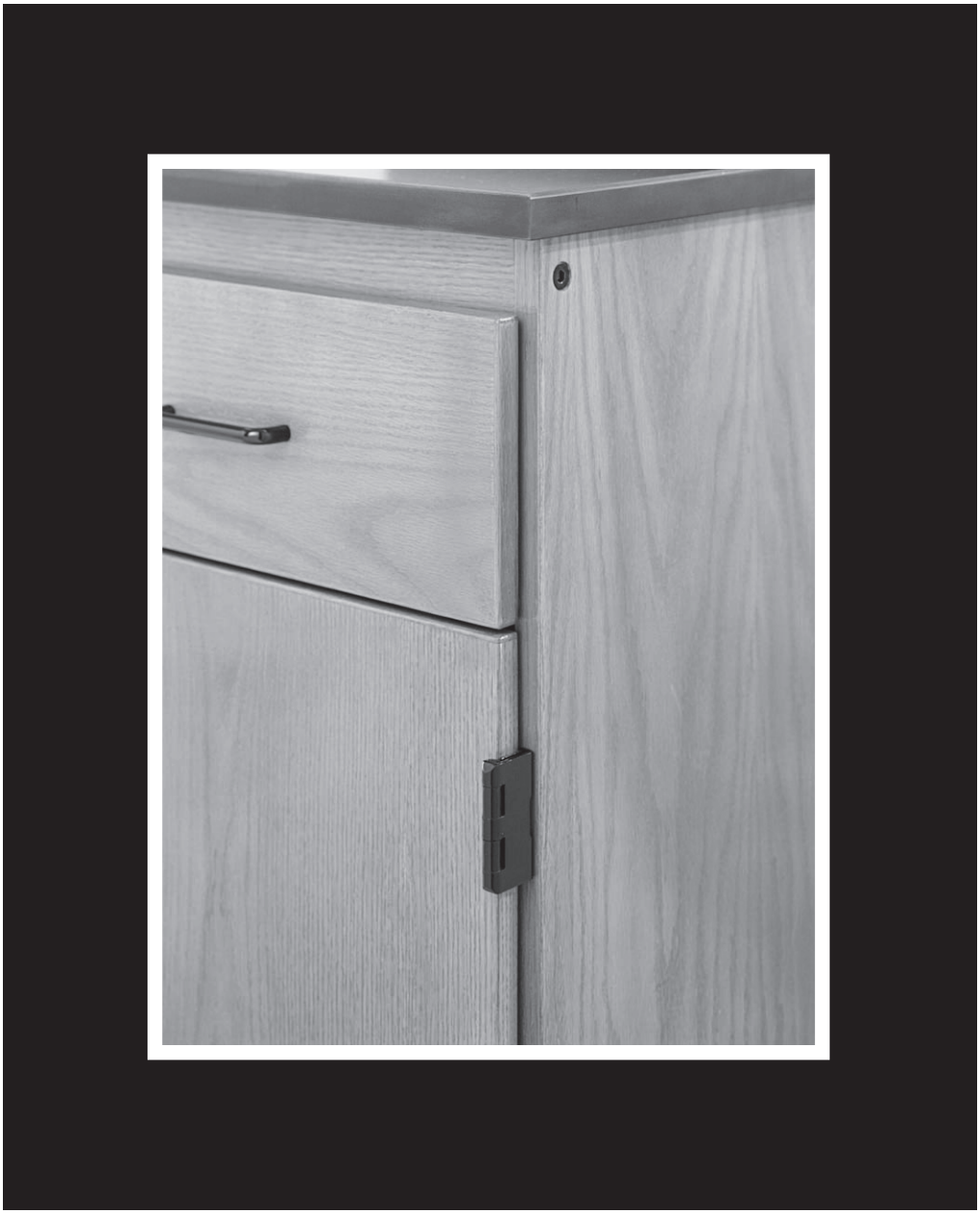
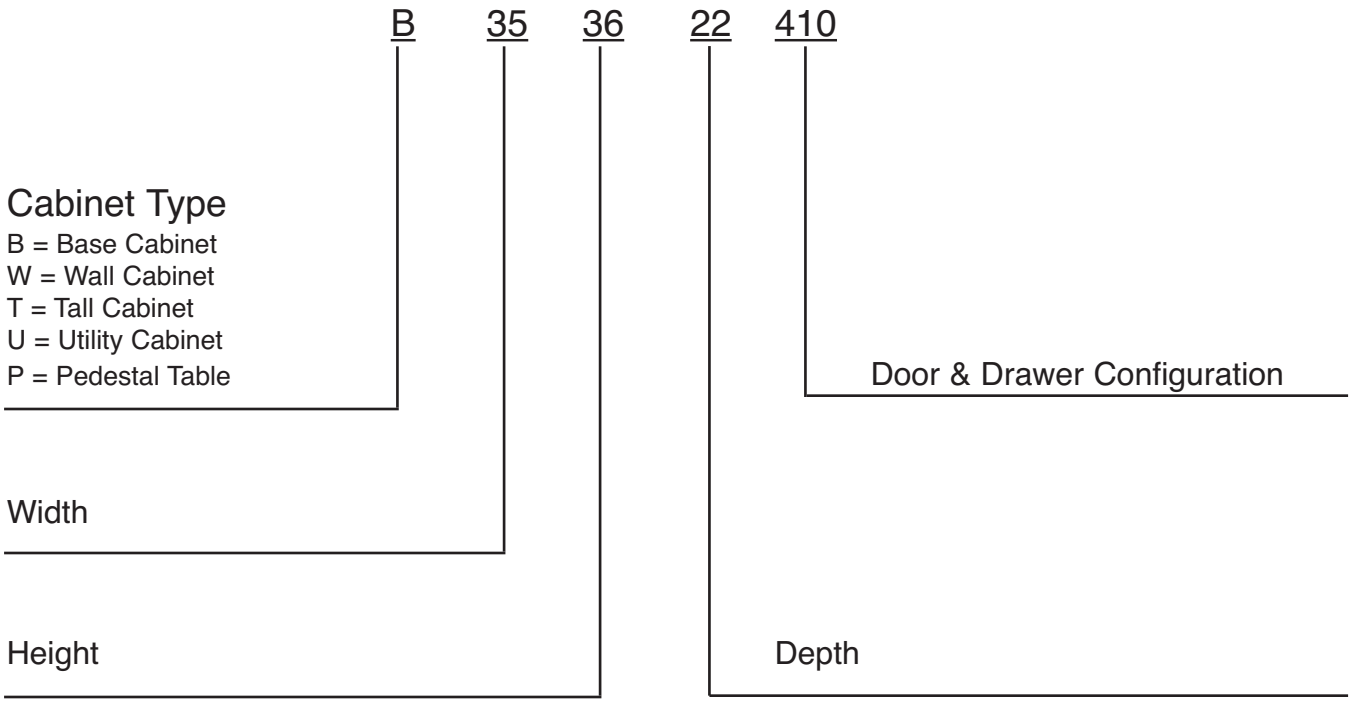


Wood Cabinet Information

Explanation of Catalog Numbers:



Cabinet Standards

Standards-

- Shelves are 3/4” thick in cabinets - 18” - 30” wide.
- Shelves are 1” thick in cabinets - 35” - 47” wide.
- 100# Powder Coat Epoxy Drawer Slides
- Powder Coat Epoxy Pulls & Hinges
  - ❏ H1 - Black
  - ❏ H2 - Chrome
- Stock Locks - 5 Disk Tumbler
  - ❏ Keyed Different and Masterkeyed
- Six Standard Oak Wood Finishes

Shelves

■ S2 - 1” Heavy Duty Shelf ■ S3 - 3/4” Lipped Shelf ■ S4 - 1” Lipped Shelf

Drawer Slides

■ D2 - 100# Full Extension Slide ■ D3 - 150# Heavy Duty Slide

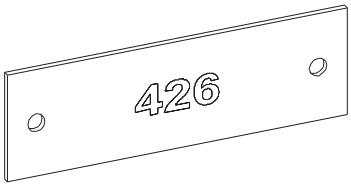
Tempered Safety Glass

■ T - Tempered Safety Glass

Toe Space Grills

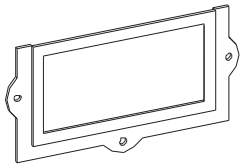
■ G - Toe Space Grill

Number Plates



N - Number Plates.
Plastic Number Plate is 1 3/4”Width X 9/16”Height; white with black numbers.

Card Holders



C - Card Holders.

Card Holder is for 2” X 1” card.

*** CABINET OPTIONS AVAILABLE AT ADDITIONAL COST.**

Finished Back and Removable Backs

■ Finished Backs available on all units. Removable backs available on base cabinets, when required for access to services.

■ **Must be specified, when required.**

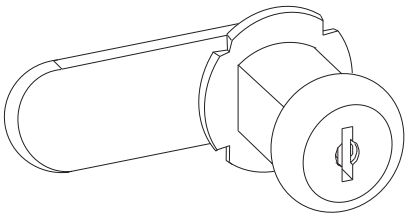
Custom Oak Wood Finish

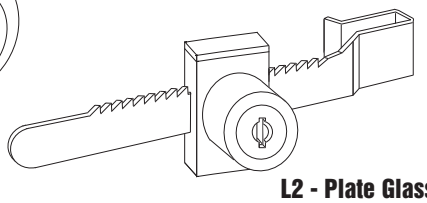
■ ***Contact factory for special pricing and availability. When attempting to match a custom color, Sheldon must provide its standard finishing process materials and applications.***

Locks

NOTE: Refer to pages 81 and 82 for lock keying system.

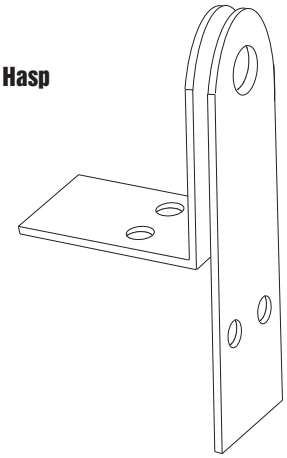
L1 - Disk Tumbler Lock





L2 - Plate Glass Lock

L4 - Padlock Hasp

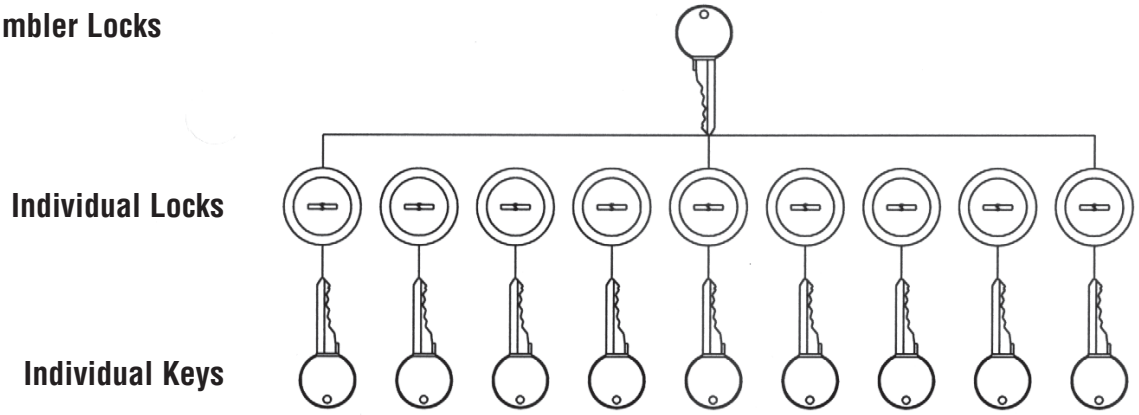


L1 - 5 Disk Tumbler Lock (In-Stock)
L2 - Plate Glass Lock **(Cannot be keyed with other locks)**
L3 - 5 Pin Tumbler Lock (Non-Stock; special order)
L4 - Padlock Hasp

*** CABINET OPTIONS AVAILABLE AT ADDITIONAL COST.**

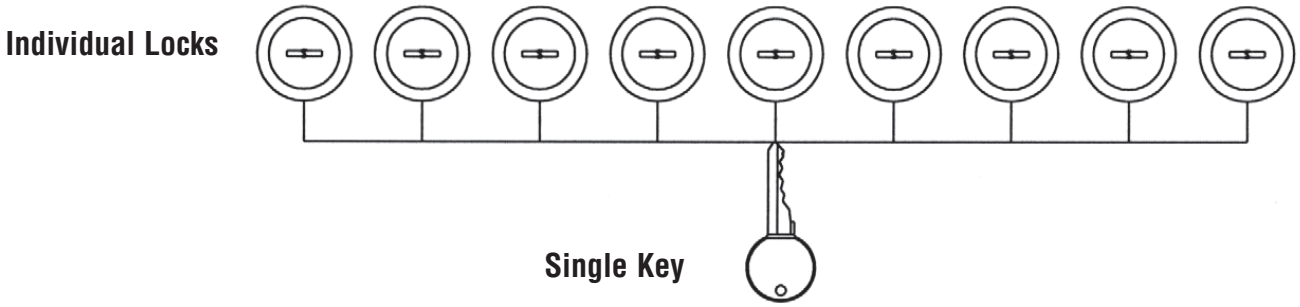
Keyed Different

5 Disk Tumbler Locks



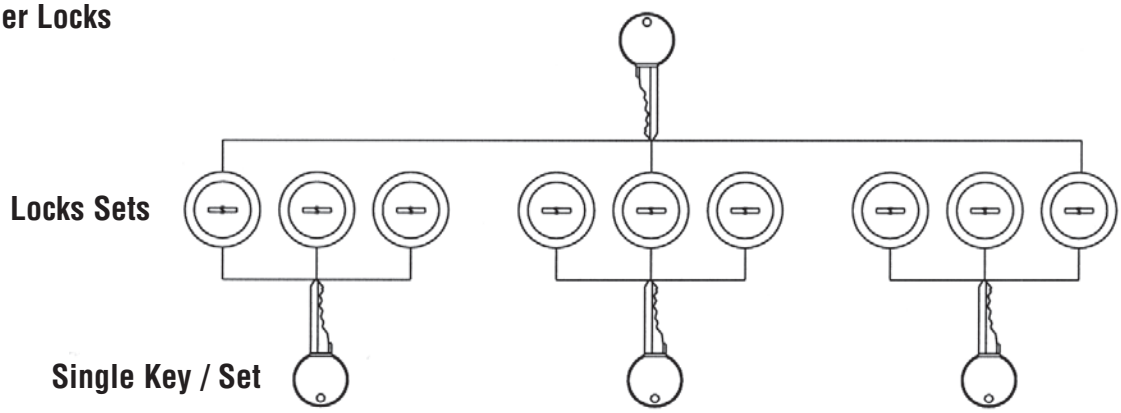
Keyed Alike

5 Disk Tumbler Locks



Keyed Alike in Sets

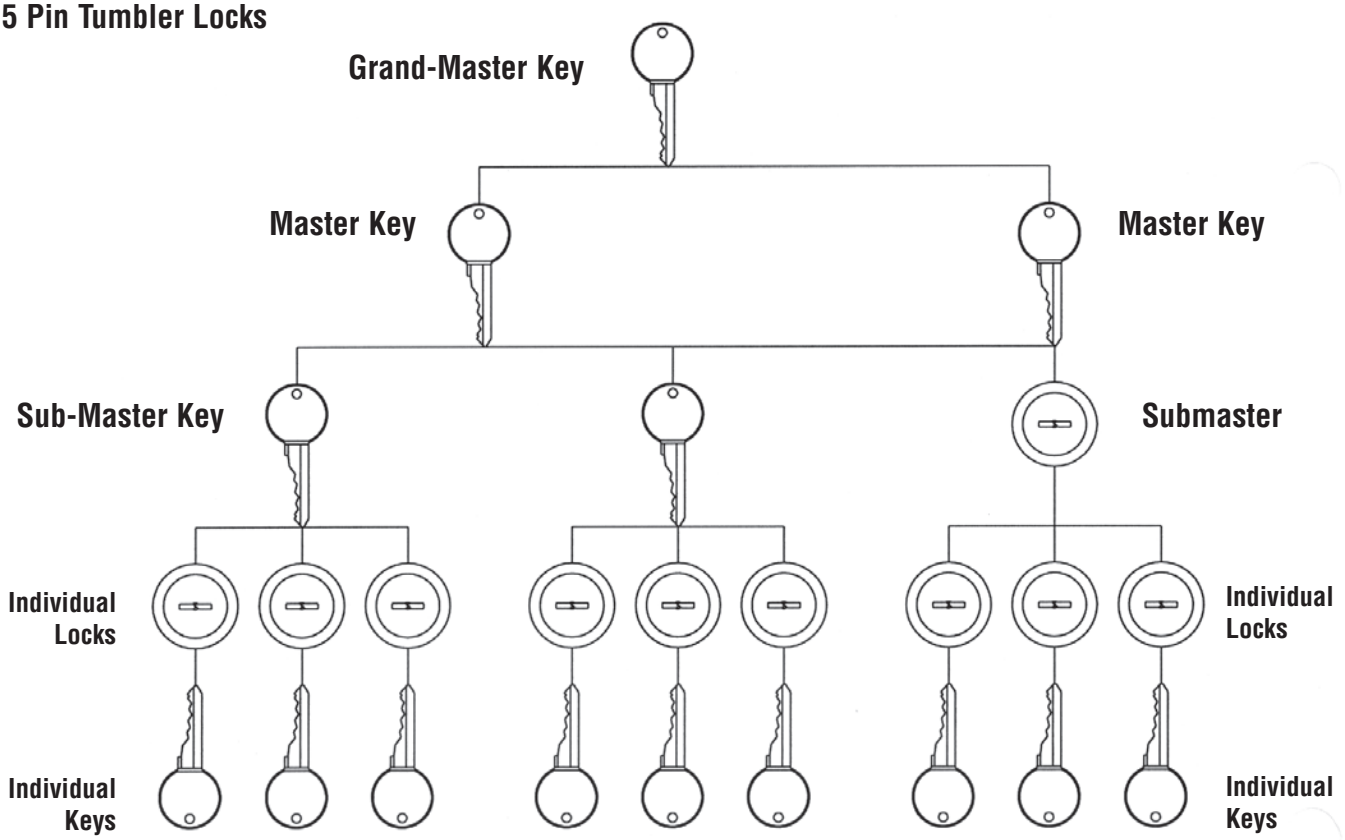
5 Disk Tumbler Locks



*** 5 DISK TUMBLER LOCKS • IN-STOCK**

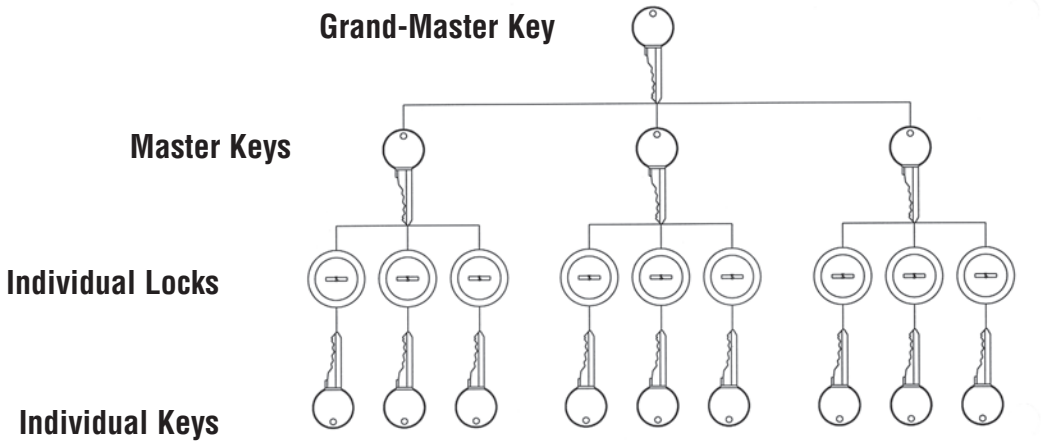
Sub-Masterkeyed, Masterkeyed & Grand-Masterkeyed

5 Pin Tumbler Locks



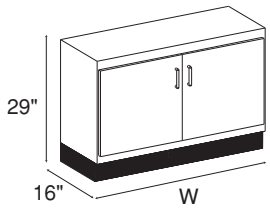
Grand-Masterkeyed

5 Pin Tumbler Locks



*** 5 PIN TUMBLER LOCKS • NON-STOCK, SPECIAL ORDER - REQUIRES LONGER LEAD TIME.**

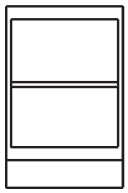
Sitting Height Base Cabinets



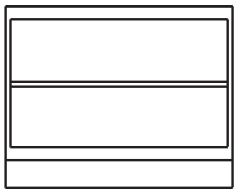
These sitting height base cabinets are 29" high and are 16" deep. Cupboard cabinets have one adjustable shelf. All dimensions are nominal.

See Pages 125 & 126 for Actual Dimensions.

Open Cabinets

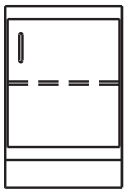


B182916-000 - 18"W
B242916-000 - 24"W

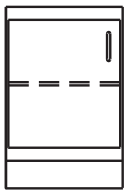


B302916-000 - 30"W
B352916-000 - 35"W
B422916-000 - 42"W
B472916-000 - 47"W

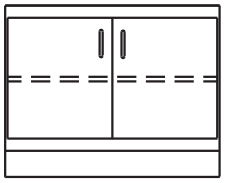
Cupboard Cabinets



B182916-100 - 18"W
B242916-100 - 24"W



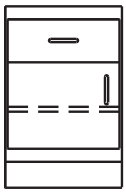
B182916-101 - 18"W
B242916-101 - 24"W



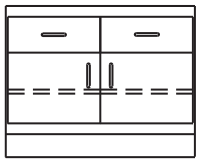
B302916-200 - 30"W
B352916-200 - 35"W
B422916-200 - 42"W
B472916-200 - 47"W

Drawer Cupboard Cabinets

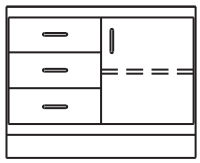
B182916-300 - 18"W
B242916-300 - 24"W



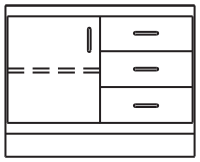
B182916-301 - 18"W
B242916-301 - 24"W



B302916-310 - 30"W
B352916-310 - 35"W
B422916-310 - 42"W
B472916-310 - 47"W



B302916-320 - 30"W
B352916-320 - 35"W
B422916-320 - 42"W
B472916-320 - 47"W

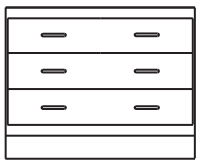


B302916-321 - 30"W
B352916-321 - 35"W
B422916-321 - 42"W
B472916-321 - 47"W

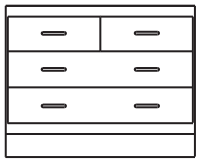
Drawer Cabinets

B182916-500 - 18"W

B182916-510 - 18"W
B242916-510 - 24"W

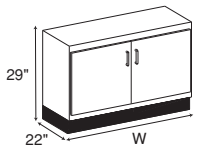


B302916-510 - 30"W
B352916-510 - 35"W
B422916-510 - 42"W
B472916-510 - 47"W



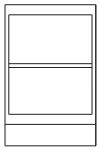
B302916-522 - 30"W
B352916-522 - 35"W
B422916-522 - 42"W
B472916-522 - 47"W

Sitting Height Cabinets

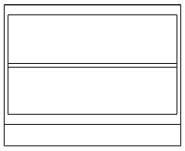


These sitting height base cabinets are 29" high and are 22" deep. Cupboard cabinets have one adjustable shelf. All dimensions are nominal.

Open Cabinets

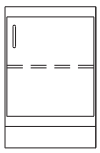


B182922-000 - 18"W
B242922-000 - 24"W

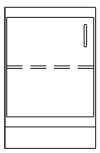


B302922-000 - 30"W
B352922-000 - 35"W
B422922-000 - 42"W
B472922-000 - 47"W

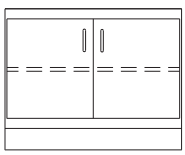
Cupboard Cabinets



B182922-100 - 18"W
B242922-100 - 24"W

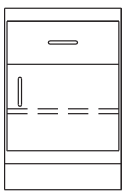


B182922-101 - 18"W
B242922-101 - 24"W

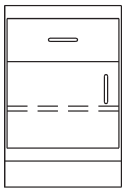


B302922-200 - 30"W
B352922-200 - 35"W
B422922-200 - 42"W
B472922-200 - 47"W

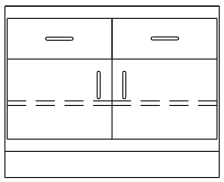
Drawer Cupboard Cabinets



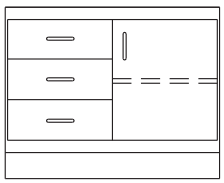
B182922-300 - 18"W
B242922-300 - 24"W



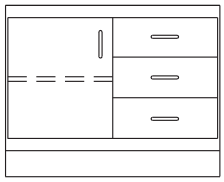
B182922-301 - 18"W
B242922-301 - 24"W



B302922-310 - 30"W
B352922-310 - 35"W
B422922-310 - 42"W
B472922-310 - 47"W

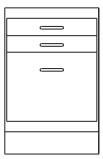


B302922-320 - 30"W
B352922-320 - 35"W
B422922-320 - 42"W
B472922-320 - 47"W

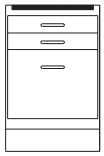


B302922-321 - 30"W
B352922-321 - 35"W
B422922-321 - 42"W
B472922-321 - 47"W

Drawer Cabinets



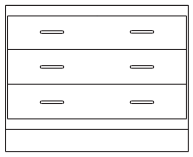
B182922-500 - 18"W



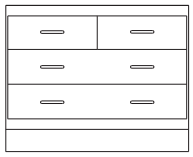
B182922-505 - 18"W

B182922-510 - 18"W
B242922-510 - 24"W

B182922-515 - 18"W
B242922-515 - 24"W



B302922-510 - 30"W
B352922-510 - 35"W
B422922-510 - 42"W
B472922-510 - 47"W



B302922-522 - 30"W
B352922-522 - 35"W
B422922-522 - 42"W
B472922-522 - 47"W

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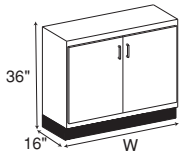
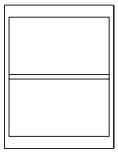
Standing Height Cabinets

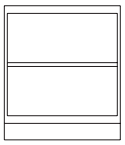


These standing height base cabinets are 36" high and are 16" deep. Cupboard cabinets have one adjustable shelf. All dimensions are nominal.

Open Cabinets

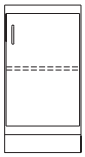


B183616-000 - 18"W
B243616-000 - 24"W

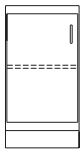


B303616-000 - 30"W
B353616-000 - 35"W
B423616-000 - 42"W
B473616-000 - 47"W

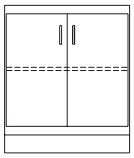
Cupboard Cabinets



B183616-100 - 18"W
B243616-100 - 24"W

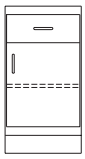


B183616-101 - 18"W
B243616-101 - 24"W

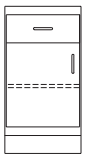


B303616-200 - 30"W
B353616-200 - 35"W
B423616-200 - 42"W
B473616-200 - 47"W

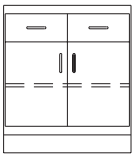
Drawer Cupboard Cabinets



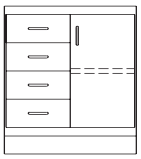
B183616-400 - 18"W
B243616-400 - 24"W



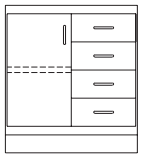
B183616-401 - 18"W
B243616-401 - 24"W



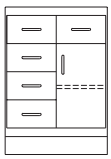
B303616-410 - 30"W
B353616-410 - 35"W
B423616-410 - 42"W
B473616-410 - 47"W



B303616-420 - 30"W
B353616-420 - 35"W
B423616-420 - 42"W
B473616-420 - 47"W



B303616-421 - 30"W
B353616-421 - 35"W
B423616-421 - 42"W
B473616-421 - 47"W



B243616-450 - 24"W

B243616-451 - 24"W

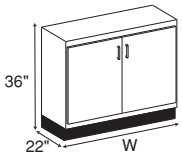
Drawer Cabinets

B183616-540 - 18"W
B243616-540 - 24"W

B243616-544 - 24"W

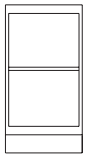
B303616-544 - 30"W
B353616-544 - 35"W
B423616-544 - 42"W
B473616-544 - 47"W

Standing Height Cabinets

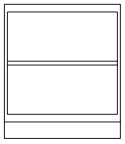


These standing height base cabinets are 36" high and are 22" deep. Cupboard cabinets have one adjustable shelf. All dimensions are nominal.

Open Cabinets

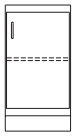


B183622-000 - 18"W
B243622-000 - 24"W

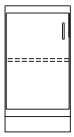


B303622-000 - 30"W
B353622-000 - 35"W
B423622-000 - 42"W
B473622-000 - 47"W

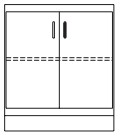
Cupboard Cabinets



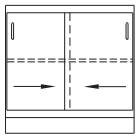
B183622-100 - 18"W
B243622-100 - 24"W



B183622-101 - 18"W
B243622-101 - 24"W

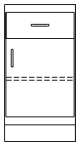


B303622-200 - 30"W
B353622-200 - 35"W
B423622-200 - 42"W
B473622-200 - 47"W

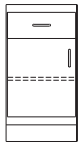


B303622-600 - 30"W
B353622-600 - 35"W
B423622-600 - 42"W
B473622-600 - 47"W

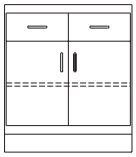
Drawer Cupboard Cabinets



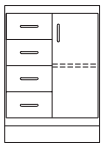
B183622-400 - 18"W
B243622-400 - 24"W



B183622-401 - 18"W
B243622-401 - 24"W

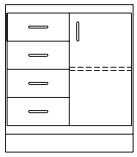


B303622-410 - 30"W
B353622-410 - 35"W
B423622-410 - 42"W
B473622-410 - 47"W

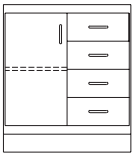


B243622-420 - 24"W

B243622-421 - 24"W

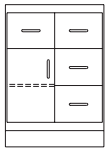


B303622-420 - 30"W
B353622-420 - 35"W
B423622-420 - 42"W
B473622-420 - 47"W

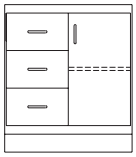


B303622-421 - 30"W
B353622-421 - 35"W
B423622-421- 42"W
B473622-421 - 47"W

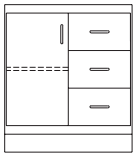
B243622-440 - 24"W



B243622-441 - 24"W

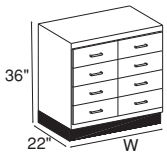


B303622-430 - 30"W
B353622-430 - 35"W
B423622-430 - 42"W
B473622-430 - 47"W



B303622-431 - 30"W
B353622-431 - 35"W
B423622-431 - 42"W
B473622-431 - 47"W

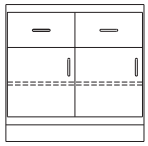
Standing Height Cabinets



These standing height base cabinets are 36" high and are 22" deep. Cupboard cabinets have one adjustable shelf. All dimensions are nominal.

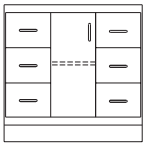
Drawer Cupboard Cabinets

B353622-470 - 35"W

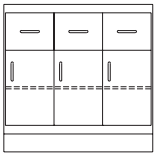


B353622-471 - 35"W

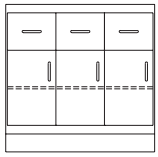
B353622-460 - 35"W



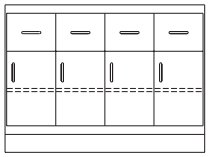
B353622-461 - 35"W



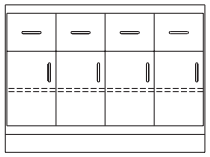
B353622-480 - 35"W
B473622-480 - 47"W



B353622-481 - 35"W
B473622-481 - 47"W



B473622-490 - 47"W



B473622-491 - 47"W

Drawer Cabinets

B183622-540 - 18"W
B243622-540 - 24"W

B303622-544 - 30"W
B353622-544 - 35"W
B423622-544 - 42"W
B473622-544 - 47"W

B303622-550 - 30"W
B353622-550 - 35"W
B423622-550 - 42"W
B473622-550 - 47"W

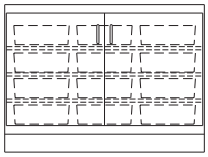
B303622-570 - 30"W
B353622-570 - 35"W
B423622-570 - 42"W
B473622-570 - 47"W

B183622-520 - 18"W

B353622-539 - 35"W
B473622-539 - 47"W

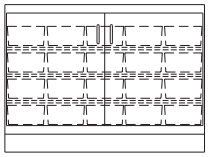
B303622-533 - 30"W
B353622-533 - 35"W
B423622-533 - 42"W
B473622-533 - 47"W

Tote Tray Cabinets • 36” High



B473622-210 - 47”W

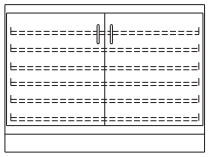
This unit comes with (12 #69000) tote trays. 22” deep.



B473622-220 - 47”W

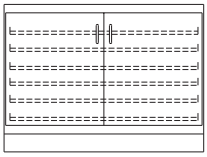
This unit comes with (20 #74272) tote trays. 22” deep.

Pull-out Shelf Cabinets • 36” High



B473622-230 - 47”W

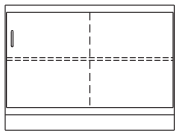
This unit features (6) pullout shelves. 22” deep.



B473628-230 - 47”W

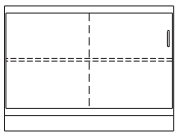
This unit features (6) pullout shelves. 28” deep.

Blind Corner Cabinets • 36” High



B473622-100 - 47”W

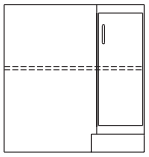
Hinged door provides easy access to normally unusable corner space. 22” deep. Right hand version.



B473622-101 - 47”W

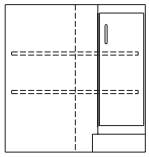
Hinged door provides easy access to normally unusable corner space. 22” deep. Left hand version.

Angled Corner Cabinets • 36” High



B333622-100 - 33”W RH
B333622-101 - 33”W LH

Features adjustable shelf. 22” deep.

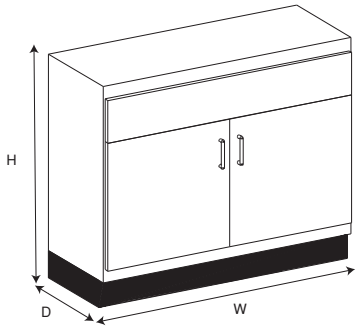


B333622-115 - 33”W RH
B333622-116 - 33”W LH

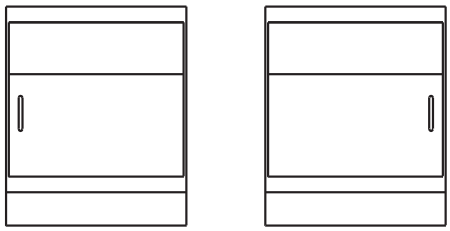
Features (2) lazy-susan shelves. 22” deep.

Sink Cabinets

Sheldon sink cabinets feature removable backs for access to plumbing and replaceable bottoms. Units are available in 16" and 22" depths. Height is available in either 29" or 36". All dimensions are nominal.



Sitting Height Sink Cabinets

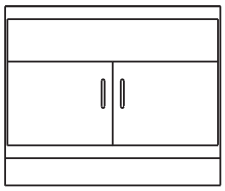


16" DEEP

S182916-100 - 18"W RH
S182916-101 - 18"W LH
S242916-100 - 24"W RH
S242916-101 - 24"W LH

22" DEEP

S182922-100 - 18"W RH
S182922-101 - 18"W LH
S242922-100 - 24"W RH
S242922-101 - 24"W LH



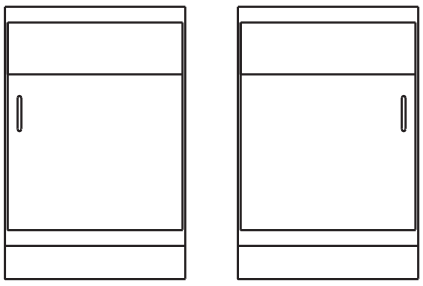
16" DEEP

S302916-200 - 30"W
S352916-200 - 35"W
S422916-200 - 42"W
S472916-200 - 47"W

22" DEEP

S302922-200 - 30"W
S352922-200 - 35"W
S422922-200 - 42"W
S472922-200 - 47"W

Standing Height Sink Cabinets

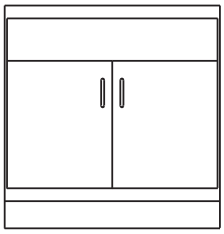


16" DEEP

S183616-100 - 18"W RH
S183616-101 - 18"W LH
S243616-100 - 24"W RH
S243616-101 - 24"W LH

22" DEEP

S183622-100 - 18"W RH
S183622-101 - 18"W LH
S243622-100 - 24"W RH
S243622-101 - 24"W LH



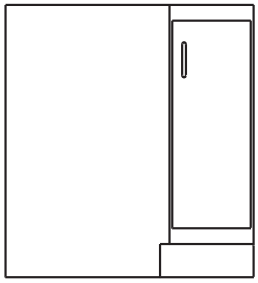
16" DEEP

S303616-200 - 30"W
S353616-200 - 35"W
S423616-200 - 42"W
S473616-200 - 47"W

22" DEEP

S303622-200 - 30"W
S353622-200 - 35"W
S423622-200 - 42"W
S473622-200 - 47"W

Angled Corner Sink Cabinet

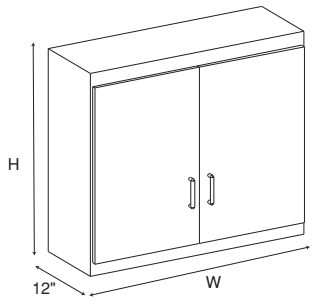


36" HIGH • 22" DEEP

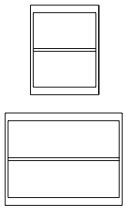
S333622-100 - 33"W RH
S333622-101 - 33"W LH

Upper Case - Wall Mounted Cabinets

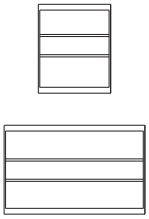
Upper case wall mounted units on this page are 12" deep. Height is available in either 24" or 30". 24" high units provided with one shelf. 30" high units provided with two shelves. All dimensions are nominal.



Open Cabinets

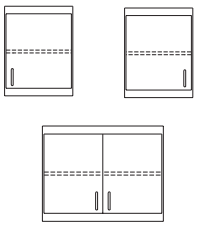


24" HIGH
W182412-000 - 18"W
W242412-000 - 24"W
W302412-000 - 30"W
W352412-000 - 35"W
W422412-000 - 42"W
W472412-000 - 47"W

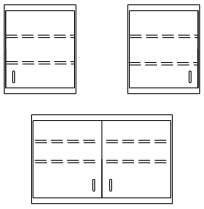


30" HIGH
W183012-000 - 18"W
W243012-000 - 24"W
W303012-000 - 30"W
W353012-000 - 35"W
W423012-000 - 42"W
W473012-000 - 47"W

Solid Wood Doors

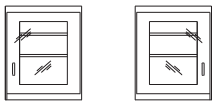


24" HIGH
W182412-100 - 18"W RH
W182412-101 - 18"W LH
W242412-100 - 24"W RH
W242412-101 - 24"W LH
W302412-200 - 30"W
W352412-200 - 35"W
W422412-200 - 42"W
W472412-200 - 47"W

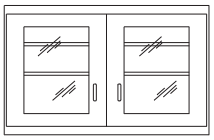


30" HIGH
W183012-100 - 18"W RH
W183012-101 - 18"W LH
W243012-100 - 24"W RH
W243012-101 - 24"W LH
W303012-200 - 30"W
W353012-200 - 35"W
W423012-200 - 42"W
W473012-200 - 47"W

Framed Glass Doors (Available in 30" High Units Only)

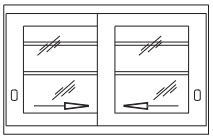


W183012-150 - 18"W RH
W183012-151 - 18"W LH
W243012-150 - 24"W RH
W243012-151 - 24"W LH



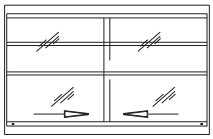
W303012-250 - 30"W
W353012-250 - 35"W
W423012-250 - 42"W
W473012-250 - 47"W

Sliding Framed Glass Doors (Available in 30" High Units Only)



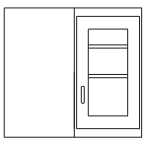
W303012-650 - 30"W
W353012-650 - 35"W
W423012-650 - 42"W
W473012-650 - 47"W

Sliding Glass Doors (Available in 30" High Units Only)

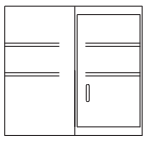


W303012-675 - 30"W
W353012-675 - 35"W
W423012-675 - 42"W
W473012-675 - 47"W

Angled Corner Wall Cabinets (Available in 30" High Units Only)



W233012-150 - 23"W RH
W233012-151 - 23"W LH



W233012-100 - 23"W RH
W233012-101 - 23"W LH

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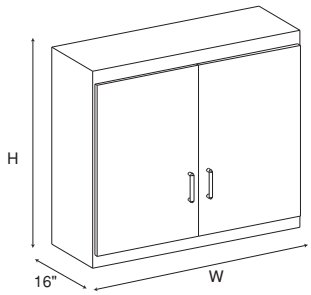
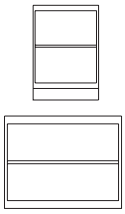
Upper Case - Wall Mounted Cabinets

Upper case wall mounted units on this page are 16" deep. Height is available in either 24" or 30". All dimensions are nominal.

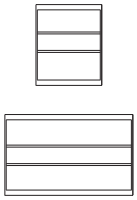


Open Cabinets



24" HIGH
W182416-000 - 18"W
W242416-000 - 24"W

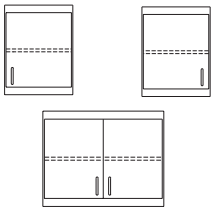
W302416-000 - 30"W
W352416-000 - 35"W
W422416-000 - 42"W
W472416-000 - 47"W



30" HIGH
W183016-000 - 18"W
W243016-000 - 24"W

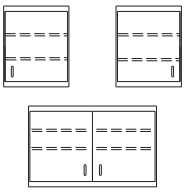
W303016-000 - 30"W
W353016-000 - 35"W
W423016-000 - 42"W
W473016-000 - 47"W

Solid Wood Doors



24" HIGH
W182416-100 - 18"W RH
W182416-101 - 18"W LH
W242416-100 - 24"W RH
W242416-101 - 24"W LH

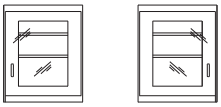
W302416-200 - 30"W
W352416-200 - 35"W
W422416-200 - 42"W
W472416-200 - 47"W



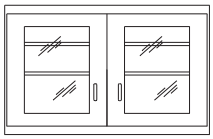
30" HIGH
W183016-100 - 18"W RH
W183016-101 - 18"W LH
W243016-100 - 24"W RH
W243016-101 - 24"W LH

W303016-200 - 30"W
W353016-200 - 35"W
W423016-200 - 42"W
W473016-200 - 47"W

Framed Glass Doors (Available in 30" High Units Only)

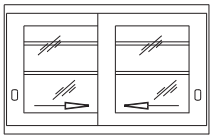


W183016-150 - 18"W RH
W183016-151 - 18"W LH
W243016-150 - 24"W RH
W243016-151 - 24"W LH

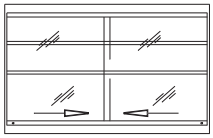


W303016-250 - 30"W
W353016-250 - 35"W
W423016-250 - 42"W
W473016-250 - 47"W

Sliding Framed Glass Doors (Available in 30" High Units Only) Sliding Glass Doors (Available in 30" High Units Only)

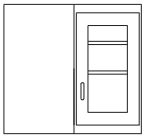


W303016-650 - 30"W
W353016-650 - 35"W
W423016-650 - 42"W
W473016-650 - 47"W

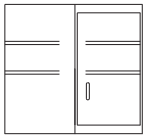


W303016-675 - 30"W
W353016-675 - 35"W
W423016-675 - 42"W
W473016-675 - 47"W

Angled Corner Wall Cabinets (Available in 30" High Units Only)



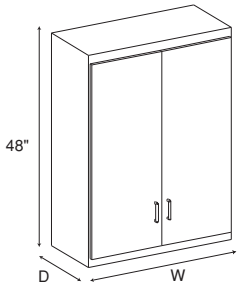
W283016-150 - 28"W RH
W283016-151 - 28"W LH



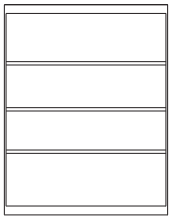
W283016-100 - 28"W RH
W283016-101 - 28"W LH

Cabinet Mounted Wall Cases

Cabinet mounted wall case units are 48” high and available in depths of 12” and 16”. Units feature three adjustable shelves. All dimensions are nominal.

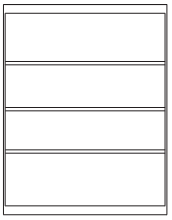


Open Cabinets



12” DEEP

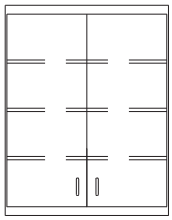
W354812-000 - 35”W
W474812-000 - 47”W



16” DEEP

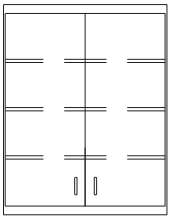
W354816-000 - 35”W
W474816-000 - 47”W

Solid Wood Door Cabinets



12” DEEP

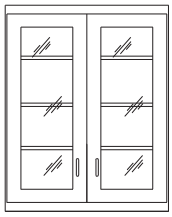
W354812-200 - 35”W
W474812-200 - 47”W



16” DEEP

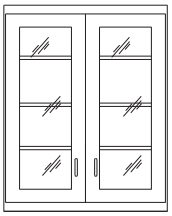
W354816-200 - 35”W
W474816-200 - 47”W

Framed Glass Door Cabinets



12” DEEP

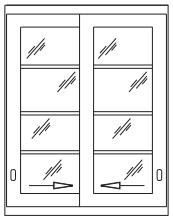
W354812-250 - 35”W
W474812-250 - 47”W



16” DEEP

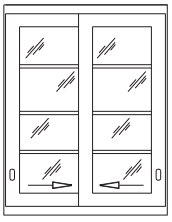
W354816-250 - 35”W
W474816-250 - 47”W

Sliding Glass Door Cabinets



12” DEEP

W354812-650 - 35”W
W474812-650 - 47”W

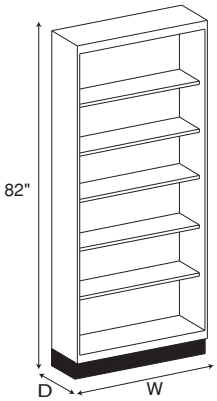


16” DEEP

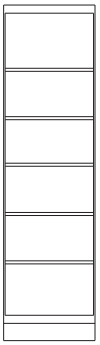
W354816-650 - 35”W
W474816-650 - 47”W

Tall Case Storage Cabinets

Tall case storage cabinets are 82” high and depths of 16” and 22”. Units have four adjustable shelves and center shelf fixed. All dimensions are nominal.



Open Storage

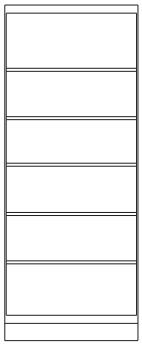


16” DEEP

T188216-000 - 18”W
T248216-000 - 24”W

22” DEEP

T188222-000 - 18”W
T248222-000 - 24”W



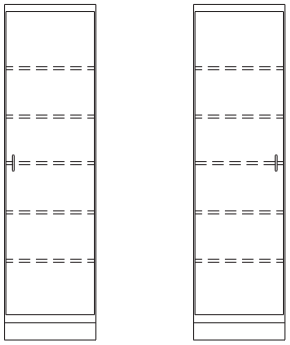
16” DEEP

T308216-000 - 30”W
T358216-000 - 35”W
T428216-000 - 42”W
T478216-000 - 47”W

22” DEEP

T308222-000 - 30”W
T358222-000 - 35”W
T428222-000 - 42”W
T478222-000 - 47”W

Solid Wood Door

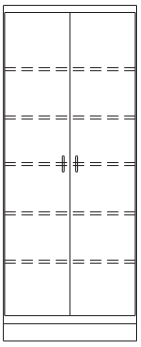


16” DEEP

T188216-100 - 18”W RH
T188216-101 - 18”W LH
T248216-100 - 24”W RH
T248216-101 - 24”W LH

22” DEEP

T188222-100 - 18”W RH
T188222-101 - 18”W LH
T248222-100 - 24”W RH
T248222-101 - 24”W LH



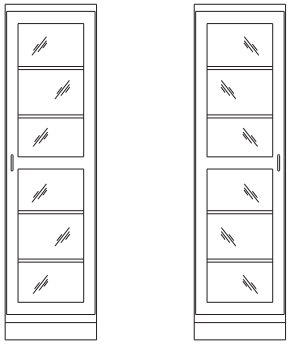
16” DEEP

T308216-200 - 30”W
T358216-200 - 35”W
T428216-200 - 42”W
T478216-200 - 47”W

22” DEEP

T308222-200 - 30”W
T358222-200 - 35”W
T428222-200 - 42”W
T478222-200 - 47”W

Framed Glass Door



16” DEEP

T188216-150 - 18”W RH
T188216-151 - 18”W LH
T248216-150 - 24”W RH
T248216-151 - 24”W LH

22” DEEP

T188222-150 - 18”W RH
T188222-151 - 18”W LH
T248222-150 - 24”W RH
T248222-151 - 24”W LH

16” DEEP

T308216-250 - 30”W
T358216-250 - 35”W
T428216-250 - 42”W
T478216-250 - 47”W

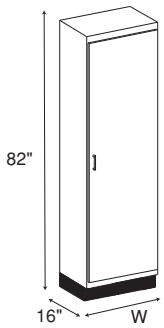
22” DEEP

T308222-250 - 30”W
T358222-250 - 35”W
T428222-250 - 42”W
T478222-250 - 47”W

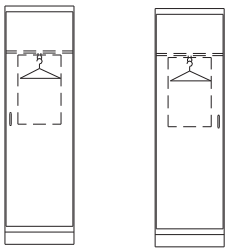
Sheldon LABORATORY SYSTEMS

Special Use Tall Cases

Special use tall cases are 82" high and 16" deep. All dimensions are nominal.



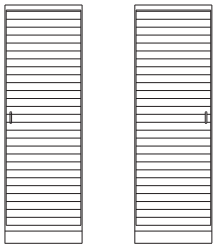
Wardrobe Cabinets



T248216-120 - 24"W RH
T248216-121 - 24"W LH

This unit features a garment hangar with pull-out carrier, hat shelf, mirror and solid door.

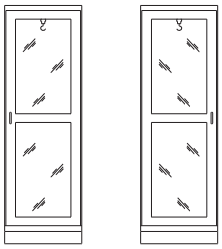
Notebook Cabinets



T248216-130 - 24"W RH
T248216-131 - 24"W LH

Horizontal compartment for storing flat materials including notebooks. (29) individual compartments each 2 3/8" high.

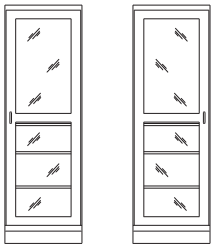
Skeleton Cabinets



T248216-140 - 24"W RH
T248216-141 - 24"W LH

Comes with framed glass door and pull-out carrier for skeleton.

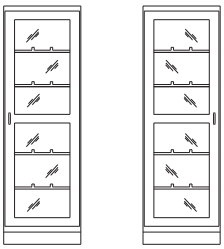
Torso Cabinets



T248216-160 - 24"W RH
T248216-161 - 24"W LH

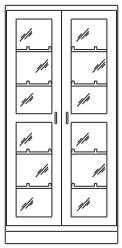
Comes with framed glass door and two adjustable shelves and pull-out shelf for top.

Microscope Cabinets



T248216-170 - 24"W RH
T248216-171 - 24"W LH

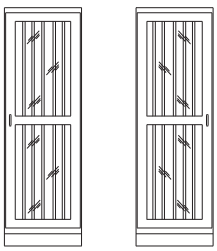
Accommodates up to (15) microscopes.



T358216-270 - 35"W
T478216-270 - 47"W

Unit stores as many as (30) microscopes. Hinged glass doors allow for easy access, as well as instant recognition.

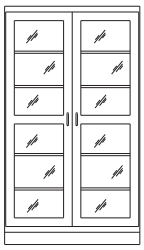
Tubing Cabinets



T248216-180 - 24"W RH
T248216-181 - 24"W LH

Slanted storage compartments allow easy access to glass tubing.

Axis 3® Storage Cabinets



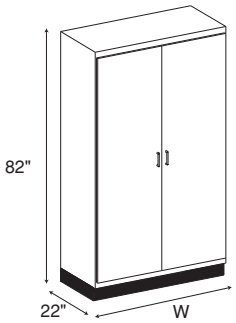
T478216-799 - 47"W

Unit features framed glass doors with lock. Used for storage of wireless keyboards and various accessories for the Axis 3® student table.

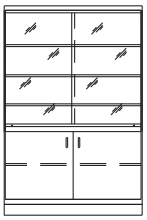
Sheldon LABORATORY SYSTEMS

Special Use Tall Cases

Special use tall cases on this page are 82" high and 22" deep.
All dimensions are nominal.



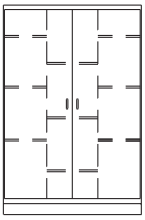
Display



T358222-700 - 35"W
T478222-700 - 47"W

Provided with (4) adjustable shelves, one fixed shelf and framed glass doors.

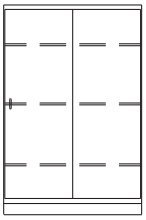
Compartmental



T358222-712 - 35"W
T478222-712 - 47"W

Three vertical spaces and nine movable shelves. Permits arrangement of compartments front to back.

Blind Corner



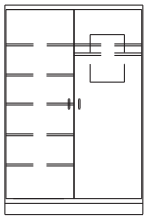
T478222-100 - 47"W RH
T478222-101 - 47"W LH

Two full length adjustable shelves and one fixed shelf. Hinged doors. RH version shown.

Instructor

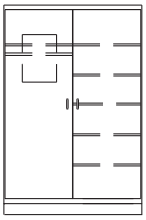
T478222-710 - 47"W RH
T478222-711 - 47"W LH

Cabinet includes (2) file drawers, (3) sloping display shelves, mirror and a wardrobe compartment with clothes rod & fixed hat shelf. RH version shown.



T358222-720 - 35"W
T478222-720 - 47"W

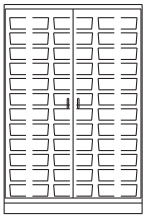
Left hand section fitted with (5) adjustable shelves. Right hand section with fixed shelf, clothes rod & mirror on door.



T358222-721 - 35"W
T478222-721 - 47"W

Right hand section fitted with (5) adjustable shelves. Left hand section with fixed shelf, clothes rod & mirror door.

Tote Tray - 36

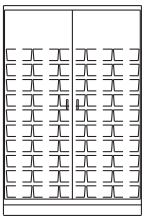


T478222-236 - 47"W

Unit comes complete with (36) tote trays.

Tote Tray Size:
19 1/2"L X 13 1/4" W X 4 1/2"H - O.D.

Tote Tray - 50

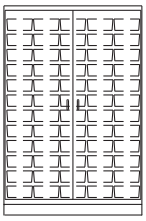


T478222-210 - 47"W

Unit comes complete with (50) tote trays.

Tote Tray Size:
19 1/2"L X 8 13/16" W X 4 1/2"H - O.D.

Tote Tray - 60

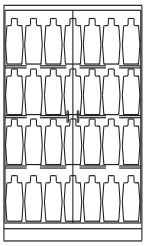


T478222-220 - 47"W

Unit comes complete with (60) tote trays.

Tote Tray Size:
19 1/2"L X 8 13/16" W X 4 1/2"H - O.D.

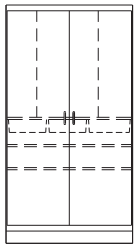
Carryall



T478222-730 - 47"W

The Sheldon Carryall & Carryall Storage make possible the most economical & easily controlled student equipment storage. This unit includes (28) Carryalls.

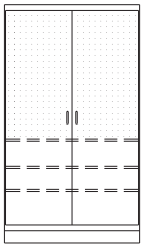
Apparatus Panel Storage



T448222-750 - 44"W

Upper section holds up to (28) blank panel boards & approximately (14) ready-mounted apparatus panel boards in the vertical position. Lower section with (3) tray drawers to accommodate loose apparatus & holds up to (16) blank panel boards & approximately (10) ready mounted apparatus panel boards in the horizontal position.

Tool



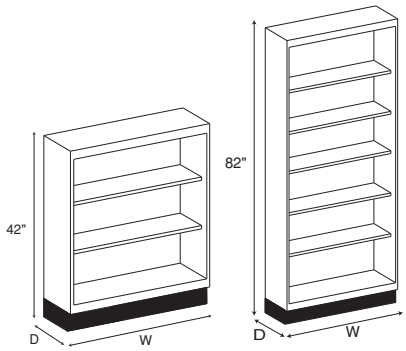
T478222-740 - 47"W

Pegboard lining upper area for hooks to store tools. Lower portion of cabinet with two adjustable shelves.

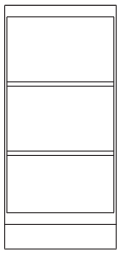
Utility Shelving

Utility shelving units are available in heights of 42" and 82". 42" high units are provided with 3/4" black plastic laminate tops. Standard shelves are 3/4" hardwood plywood. 82" high units provided with four adjustable shelves and center shelf fixed. 42" high units provided with two adjustable shelves.

- **1" Heavy-duty hardwood plywood shelves may be specified at an additional cost.**
- **1" Black corrosion resistant phenolic resin shelves may be specified at an additional cost.**
- **Raised lip shelves may be specified at an additional cost.**
- **All dimensions are nominal.**



Two Shelf Units



12" DEEP

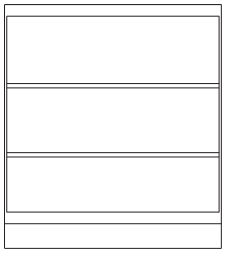
B184212-000 - 18"W
B244212-000 - 24"W

16" DEEP

B184216-000 - 18"W
B244216-000 - 24"W

22" DEEP

B184222-000 - 18"W
B244222-000 - 24"W

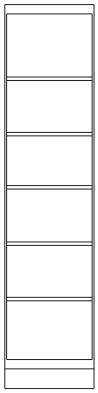


B304212-000 - 30"W
B354212-000 - 35"W

B304216-000 - 30"W
B354216-000 - 35"W

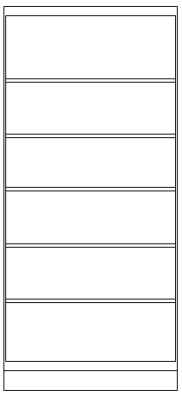
B304222-000 - 30"W
B354222-000 - 35"W

Five Shelf Units



12" DEEP

T188212-000 - 18"W
T248212-000 - 24"W



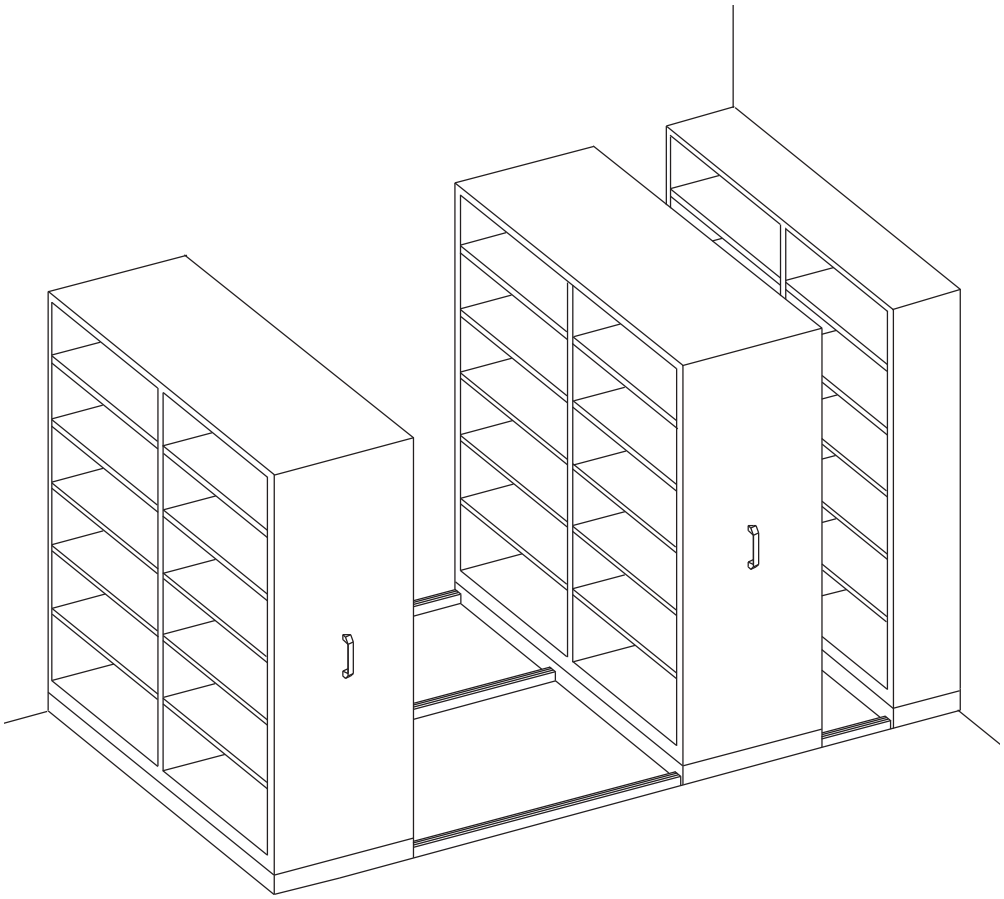
T308212-000 - 30"W
T358212-000 - 35"W

72460 • 72470 • 72465 • 72475 • 72480 • 72490 - High Density Shelving

72460 - Single Face 30”Width X 12”Depth, Fixed
72470 - Single Face 35”Width X 12”Depth, Fixed

72465 - Double Face 30”Width X 24”Depth, Movable
72475 - Double Face 35”Width X 24”Depth, Movable
72480 - Double Face 30”Width X 24”Depth, Fixed
72490 - Double Face 35”Width X 24”Depth, Fixed

Sheldon’s High Density Movable Shelving provides efficient storage for supplies and bulk items in the laboratory to maximize use of floor space. The shelving sections, mounted on a carriage system, roll-on (3) surface mounted metal tracks, eliminating the need to trench into the floor or build a platform to gain access over the track. The track and carriage system meet ADA Guidelines for Wheelchair Accessibility and incorporate a built-in, anti-tilt device meeting California Seismic codes.



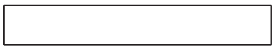
- Features

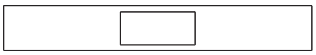
- *Assembly height, including track & carriage, is approximately 81”.*
- *Each unit provided with (5) shelves.*
- *Shelves adjustable on 1 1/4” centers using steel shelf pins.*
- *Shelves are 3/4” thick with 1/2” lip on front edge with standard finish.*
- *3/4” thick Phenolic Resin shelves with 1/2” lip may be specified at an additional cost.*

Wood Aprons

- Wood Aprons are 4” high, constructed of 3/4” thick solid oak.

Plain Apron Rails

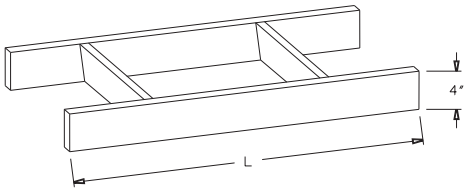


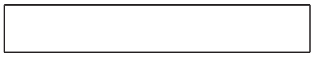


Provided with electrical cutout.

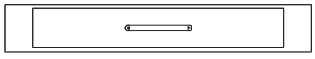
AR-18	18”	AR-18EC
AR-24	24”	AR-24EC
AR-30	30”	AR-30EC
AR-36	36”	AR-36EC
AR-42	42”	AR-42EC
AR-48	48”	AR-48EC

Intermediate Knee Space Aprons

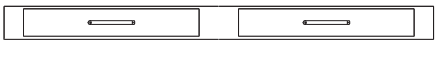




IKS-2224 - 24”L
IKS-2230 - 30”L
IKS-2236 - 36”L
IKS-2248 - 48”L
IKS-2260 - 60”L

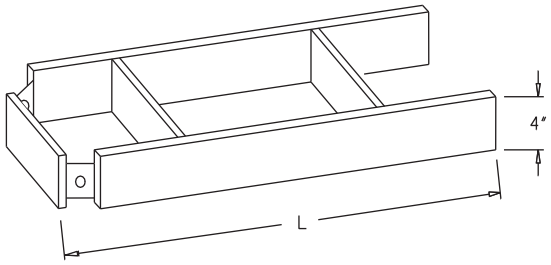


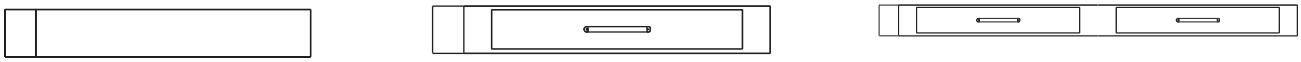
IKS-1D2224 - 24”L
IKS-1D2230 - 30”L
IKS-1D2236 - 36”L
IKS-1D2248 - 48”L



IKS-2D2248 - 48”L
IKS-2D2260 - 60”L
IKS-2D2272 - 72”L

Knee Space Aprons



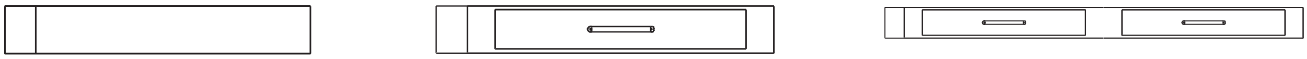


21 1/2" Deep for 24" Top

RKS-2224	LKS-2224	22 3/4"L
RKS-2230	LKS-2230	28 3/4"L
RKS-2236	LKS-2236	34 3/4"L
RKS-2248	LKS-2248	46 3/4"L
RKS-2260	LKS-2260	58 3/4"L
RKS-2272	LKS-2272	70 3/4"L

RKS-1D2230	LKS-1D2230	28 3/4"L
RKS-1D2236	LKS-1D2236	34 3/4"L
RKS-1D2248	LKS-1D2248	46 3/4"L

RKS-2D2248	LKS-2D2248	46 3/4"L
RKS-2D2254	LKS-2D2254	52 3/4"L
RKS-2D2260	LKS-2D2260	58 3/4"L
RKS-2D2272	LKS-2D2272	70 3/4"L



21 1/2" Deep for 30" Top

RKS-2824	LKS-2824	22 3/4"L
RKS-2830	LKS-2830	28 3/4"L
RKS-2836	LKS-2836	34 3/4"L
RKS-2848	LKS-2848	46 3/4"L
RKS-2860	LKS-2860	58 3/4"L
RKS-2872	LKS-2872	70 3/4"L

RKS-1D2830	LKS-1D2830	28 3/4"L
RKS-1D2836	LKS-1D2836	34 3/4"L
RKS-1D2848	LKS-1D2848	46 3/4"L

RKS-2D2848	LKS-2D2848	46 3/4"L
RKS-2D2854	LKS-2D2854	52 3/4"L
RKS-2D2860	LKS-2D2860	58 3/4"L
RKS-2D2872	LKS-2D2872	70 3/4"L

Note: When Ordering, "RKS" denotes Right Knee Space; "LKS" denotes Left Knee Space.

Legs

■ Legs are constructed of 2 1/4" solid oak with radiused edges.

PLAIN LEGS

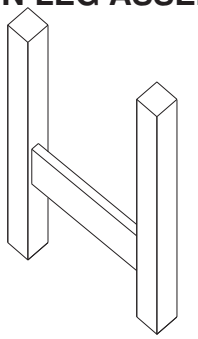
LG-29 - 27 15/16"H
LG-30 - 28 3/4"H
LG-36 - 34 3/4"H

BOLT - THRU LEGS

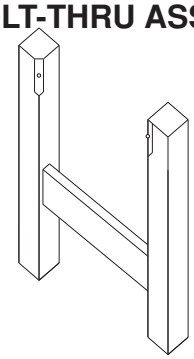
BLG-29 - 27 15/16"H
BLG-30 - 28 3/4"H
BLG-36 - 34 3/4"H

Leg Assemblies

PLAIN LEG ASSEMBLY



BOLT-THRU ASSEMBLY



For 24" Deep Top	
LGA-2429 27 15/16"H	BLGA-2429 27 15/16"H
LGA-2430 28 3/4"H	BLGA-2430 28 3/4"H
LGA-2436 34 3/4"H	BLGA-2436 34 3/4"H

For 30" Deep Top	
LGA-3029 27 15/16"H	BLGA-3029 27 15/16"H
LGA-3030 28 3/4"H	BLGA-3030 28 3/4"H
LGA-3036 34 3/4"H	BLGA-3036 34 3/4"H

For 36" Deep Top	
LGA-3629 27 15/16"H	BLGA-3629 27 15/16"H
LGA-3630 28 3/4"H	BLGA-3630 28 3/4"H
LGA-3636 34 3/4"H	BLGA-3636 34 3/4"H

*NOTE: FOR TOPS 42" DEEP & OVER, LEG ASSEMBLIES ARE STANDARD.
ALL SHELDON LEGS INCLUDE ADJUSTABLE LEVELERS & LEG BOOTS.

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Sheldon LABORATORY SYSTEMS

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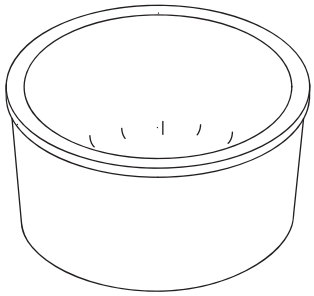
- ✧ Drying Racks
- ✧ Electrical Fittings
- ✧ Accessories
- ✧ Work Surfaces
- ✧ Wood Cabinet Technical Information

Sheldon

Round Drop-In Sinks

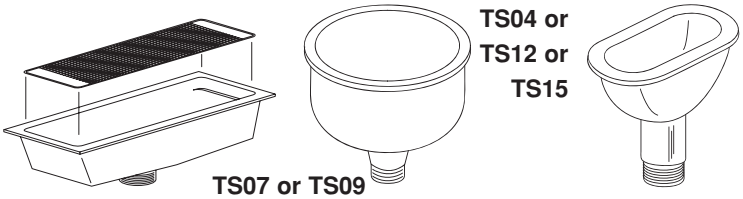


These epoxy resin, Drop-In sinks are 10" and 12" in diameter.

Inside Dimensions (in)		Wt. (lb)	Sink No.	Outlet	Wt. (kg)	Inside Dimensions (mm)	
Diameter	Depth					Diameter	Depth
10.00	7.8	14	DRS10	Center	6	254	198
12.00	7.8	18	DRS12	Center	8	305	198

Cupsinks

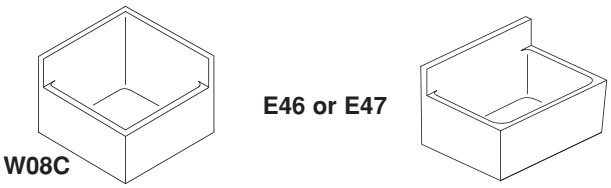
These epoxy resin cupsinks are designed for quick disposal of liquid waste. Cupsinks are available in three shapes and in six sizes for use with all fume hood and bench top work surfaces.



DIMENSIONS (in)						Wt. (lb)	Cup Sink No.	Shape	Wt. (kg)	DIMENSIONS (mm)					
Inside			Outside							Inside			Outside		
Length	Width	Depth	Length	Width	Depth					Length	Width	Depth	Length	Width	Depth
5.7	2.7	3.7	7.5	4.5	8.3	2.5	TS04	Oval	1.10	145	69	94	191	114	211
8.8	2.7	5.8	10.4	4.5	10.0	3.0	TS12	Oval	1.40	224	69	147	264	114	254
10.8	3.0	5.3	12.2	4.5	9.6	3.5	TS15	Oval	1.60	274	76	135	310	114	244
6.0	6.0	6.0	7.4	7.4	11.4	2.5	TS07	Round	1.10	152	152	152	188	188	290
8.0	8.0	6.0	9.3	9.3	9.5	3.5	TS09	Round	1.60	203	203	152	236	236	241
13.6	4.4	5.4	15.2	6.0	9.9	5.2	*TS18	Rectangle	2.40	345	112	137	386	152	251

***TS18 INCLUDES #316 MONEL STAINLESS STEEL SCREEN.**

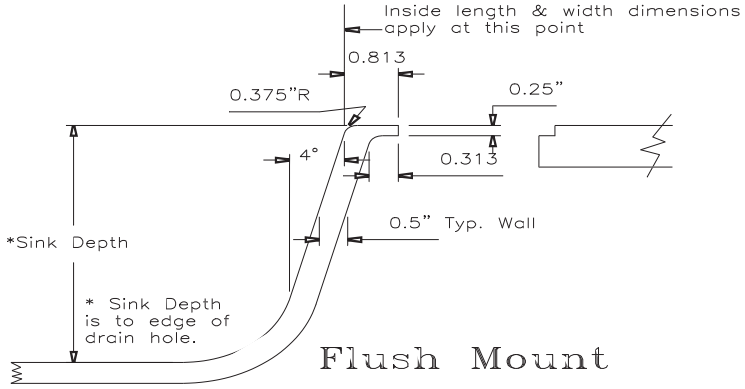
End & Corner Wall Sinks



These three epoxy resin sinks were designed to be mounted on either a wood or metal lower cabinet or leg assembly.

Inside Dimensions (in)				Wt. (lb)	Sink No.	Outlet	Wt. (kg)	Inside Dimensions (mm)			
Length	Width	Depth	Back Splash					Length	Width	Depth	Back Splash
22.00	13.6	12.6	3.8	70	E46	Front	32	559	345	320	97
22.00	13.6	12.6	5.8	73	E47	Front	33	559	345	320	147
14.25	14.3	12.3	4.4	46	W08C	Center	21	363	363	312	112

Drop-In Sinks



All exterior edges and corners of these drop-in sinks are rounded for the user's protection. Their clean lines and flush mounting give both new and remolded labs a more modern appearance.

Flush mounting eliminates the area under the work surface lip, inherent with undermount sinks, where bacteria commonly form. Sink areas are easier to keep clean. Drop-in sinks eliminate the need for sink supports, allowing higher clearance and more usable cabinet storage area.

When there is a need for an epoxy resin double sink configuration, a pair of drop-in sinks are far less expensive and much easier to ship and install.

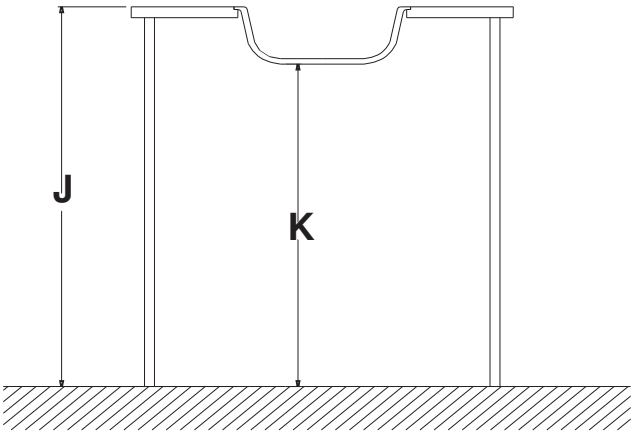
Epoxy resin drop-in sinks can also be specified for use with most other types of work surface material.

ADA Compliant Drop-In Sinks

ADA compliance requires a 34" maximum* height from the floor to the top of the work surface (J) and a clearance of at least 27" from the floor to the closest obstruction (K).

These ADA sinks are flush-mounted, eliminating the need for sink supports. The tubs of these sinks are rounded on the exterior sides and bottom for the user's comfort and protection. Plumbing outlets are located in the right rear corner, away from the user.

**Maximum inside depth of sinks is 5.5".*



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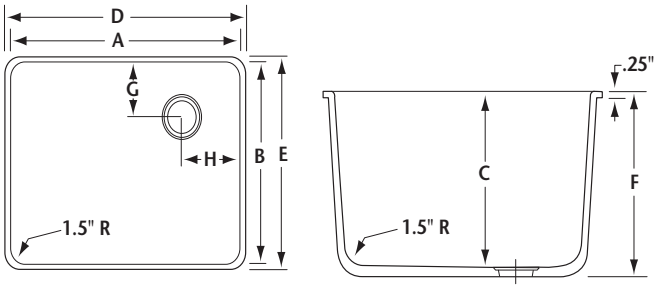
Drop-In Sinks

Drop-In Sinks are molded of Epoxy Resin to provide maximum resistance to heat, moisture and reagents. Most sizes feature corner drains. This design reclaims valuable under-sink storage by moving plumbing to the rear of supporting cabinetry.

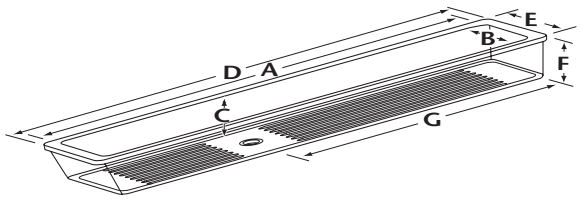
As a design option, multi-unit sinks featuring common rim dimensions are now available (highlighted in gray below).



DIMENSIONS (in)								Wt.. (lb)	Sink No.	Outlet	Wt.. (kg)	DIMENSIONS (mm)							
Inside			Outside			Outlet						Inside			Outside			Outlet	
A	B	C	D	E	F	G	H					A	B	C	D	E	F	G	H
9.0	6.0	5.8	10.6	7.6	6.8	3.0	4.5	9	D01C	Center	4	229	152	147	270	194	173	76	114
12.0	8.0	5.8	13.6	9.6	6.8	4.0	6.0	16	D03C	Center	7	305	203	147	346	245	173	102	152
14.0	10.0	4.8	15.6	11.6	5.8	3.5	3.5	19	A05	Corner	9	356	254	254	397	295	147	89	89
14.0	10.0	6.2	15.6	11.6	7.2	3.5	3.5	22	D05	Corner	10	356	254	157	397	295	183	89	89
14.0	10.0	6.2	15.6	11.6	7.2	5.0	7.0	24	D05C	Center	11	356	254	157	397	295	183	127	178
14.0	14.0	4.8	15.6	15.6	5.8	3.5	3.5	24	A07	Corner	11	356	356	122	397	397	147	89	89
15.0	8.0	10.8	16.6	9.6	11.8	3.5	3.5	25	D09	Corner	11	381	203	274	422	245	300	89	89
16.0	8.0	6.8	17.6	9.6	7.8	4.0	3.5	20	D10	Corner	9	406	203	173	448	245	198	102	89
16.0	8.0	6.8	17.6	9.6	7.8	4.0	8.0	21	D10C	Center	10	406	203	173	448	245	198	102	203
16.0	12.0	8.0	17.6	13.6	9.0	3.5	3.5	30	D15	Corner	14	406	305	203	448	346	229	89	89
16.0	12.0	8.0	17.6	13.6	9.0	6.0	8.0	31	D15C	Center	14	406	305	203	448	346	229	152	203
16.0	16.0	10.0	17.6	17.6	11.0	3.5	3.5	40	D19	Corner	18	406	406	254	448	448	269	89	89
16.0	16.0	7.5	17.6	17.6	8.5	3.5	3.5	32	D20	Corner	15	406	406	191	448	448	279	89	89
16.0	16.0	15.0	17.6	17.6	16.0	3.5	3.5	55	D21	Corner	25	406	406	381	448	448	216	89	89
18.0	6.5	6.8	19.6	8.1	7.8	3.3	9.0	30	D22C	Center	14	457	165	173	499	207	198	83	229
18.0	15.0	4.5	19.6	16.6	5.5	3.5	3.5	32	A25	Corner	15	457	381	114	499	422	140	89	89
18.0	15.0	8.0	19.6	16.6	9.0	3.5	3.5	39	D25	Corner	18	457	381	203	499	422	229	89	89
18.0	15.0	5/10.9	19.6	16.6	11.9	3.5	3.5	39	A26	Corner	18	457	381	127/277	499	422	302	89	89
18.0	15.0	11.9	19.6	16.6	12.9	3.5	3.5	53	D30	Corner	24	457	381	302	499	422	328	89	89
18.0	15.0	11.9	19.6	16.6	12.9	7.5	9.0	50	D30C	Center	23	457	381	302	499	422	328	191	229
18.0	15.0	15.8	19.6	16.6	16.8	3.5	3.5	49	D32	Corner	22	457	381	401	499	422	427	89	89
21.0	17.0	9.7	22.6	18.6	10.7	3.5	3.5	59	D33	Corner	27	533	432	246	575	473	272	89	89
24.0	16.0	8.2	25.6	17.6	9.2	3.5	3.5	54	D50	Corner	24	610	406	208	651	448	234	89	89
24.0	16.0	8.0	25.6	17.6	9.0	8.0	12.0	48	D50C	Center	22	610	406	203	651	448	229	203	305
24.0	16.0	9.6	25.6	17.6	10.6	3.5	3.5	60	D51	Corner	27	610	406	244	651	448	269	89	89
25.0	15.0	4.8	26.6	16.6	5.8	3.5	3.5	47	A55	Corner	21	635	381	121	676	422	146	89	89
25.0	15.0	8.0	26.6	16.6	9.0	3.5	3.5	49	D54	Corner	22	635	381	203	676	422	229	89	89
25.0	15.0	10.0	26.6	16.6	11.0	3.5	3.5	60	D55	Corner	27	635	381	254	676	422	279	89	89
25.0	15.0	13.6	26.6	16.6	14.6	3.5	3.5	71	D57	Corner	32	635	381	345	676	422	371	89	89
25.0	15.0	17.8	26.6	16.6	18.8	3.5	3.5	79	D58	Corner	36	635	381	452	676	422	478	89	89
28.0	15.0	11.5	29.8	16.8	12.5	3.5	3.5	61	D59	Corner	28	711	381	292	757	427	318	89	89
30.0	16.0	17.8	31.6	17.6	18.8	3.5	3.5	94	D61	Corner	43	762	406	452	803	448	478	89	89
35.5	19.5	9.8	37.1	21.2	10.8	9.8	17.8	98	D65C	Center	44	902	495	249	943	538	274	248	451

NOTE: ADA compliant sinks are designated by this symbol. Outside edges & corners are rounded for the user's comfort and protection. Plumbing outlets are located in the right rear corner.

One Piece Drop-In Troughs

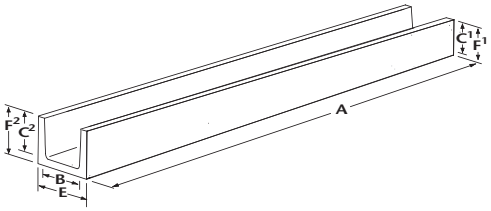


Drop-in troughs like Drop-In sinks are flush mounted. Flush mounting eliminates the area under the work surface lip, inherent with undermount troughs and sinks, where bacteria commonly form. This makes trough areas easier to keep clean. Drop-In troughs eliminate the need for trough supports, while providing excellent joint integrity.

Drop-In troughs are offered in "one piece" construction with standard lengths of 3' and 4'. These two troughs feature off-center drains and molded raised ribs along the bottom to facilitate glassware drying. These troughs require an SO3 outlet.

DIMENSIONS (in)							Wt. (lb)	Trough No.	Outlet	Wt. (kg)	DIMENSIONS (mm)						
Inside			Outside			Outlet					Inside			Outside			Outlet
Length	Width	Depth	Length	Width	Depth						Length	Width	Depth	Length	Width	Depth	
A	B	C	D	E	F	G					A	B	C	D	E	F	G
46.6	6.4	3.5	48.0	8.0	4.6	19.4	39	DT48	Off-Center	18	1184	163	89	1219	203	117	493
34.5	6.4	3.6	36.0	8.0	4.6	13.6	29	DT36	Off-Center	13	876	163	91	914	203	117	340

Undermount Troughs



These open-end epoxy resin undermount troughs are molded in 72" sections. They are joined together to form longer runs as they are installed.

Sections are fabricated to meet specifications, and end caps are applied as needed at the factory. Trough sections are shipped with an assembly kit of materials for joints. The drain hole for a standard SO3 outlet is nodded in the 6" flat section at the end of the deepest trough section as shown in the drawing below.

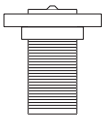
DIMENSIONS (in)								Wt. (lb)	Trough No.	Wt. (kg)	DIMENSIONS (mm)							
Inside				Outside							Inside				Outside			
Length	Width	Depth		Length	Width	Depth					Length	Width	Depth		Length	Width	Depth	
A	B	C^1	C^2	D	E	F^1	F^2				A	B	C^1	C^2	D	E	F^1	F^2
Open-End Undermount Trough - 3 Section																		
72.0	6.6	3.8	4.54	72.0	7.9	4.3	5.1	48	T1-1	22	1829	168	96	115	1829	200	109	129
72.0	6.6	3.0	3.79	72.0	7.9	3.6	4.3	48	T1-2	22	1829	168	77	96	1829	200	90	109
72.0	6.6	2.3	3.04	72.0	7.9	2.8	3.6	48	T1-3	22	1829	168	58	77	1829	200	56	90
Open-End Undermount Trough - 2 Section																		
72.0	3.9	3.8	4.5	72.00	5.2	4.2	5.0	48	T2-1	22	1829	98	95	114	1829	133	108	127
72.0	3.9	3.1	3.8	72.0	5.2	3.6	4.2	48	T2-2	22	1829	98	78	95	1829	133	89	108

For an authorized Sheldon Laboratory Systems Dealer near you, visit our website - www.sheldonlabs.com

Outlets

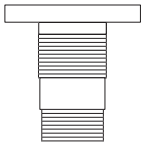
38953 • Polyolefin

(1 1/2") black threaded outlet including plug, strainer, back nut and gasket.
(Use with fiberglass sinks.)



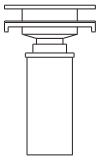
31552 • Polyolefin

(1 1/2") black threaded outlet including plug, strainer, back nut and gasket.
(Use with undermount epoxy sinks and troughs.)



PT05 • Polyolefin

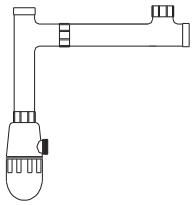
(1 1/2") black threaded SolTra™ outlet including TS3 stopper, disc strainer and back nut.
(Use with Lab Tops drop-in sinks and troughs.)



82560

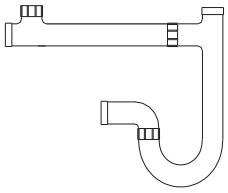
Stainless steel sink outlet with removable crumb cup.

Traps



38595 • Vulcathene

Double bowl adjustable side drain. Bottle trap assembly. FNPS loose nut inlet x MNPT outlet (1 1/2").

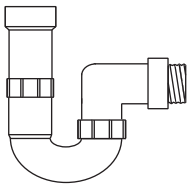


38586 • Vulcathene

Double bowl adjustable side drain "P" trap assembly. FNPS loose nut inlet x MNPT outlet (1 1/2").

31595 • Vulcathene

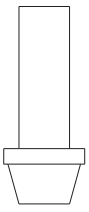
Bottle trap. FNPS loose nut inlet x MNPT outlet (1 1/2").



39186 • Vulcathene P Trap

Adjustable riser trap. FNPS inlet x MNPT outlet (1 1/2"). *When "S" trap is required, add **39164** elbow.

Overflows

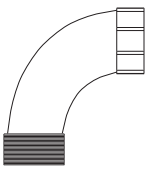


82600 V • Vulcathene

Stand pipe overflow. Available up to 21" high.

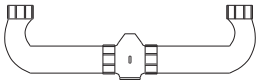
82601 R • Epoxy Resin

Stand pipe overflow. Available in heights of 4", 6" and 8".



39164 • Vulcathene

90° elbow to convert P to S type traps. FNPS loose nut x MNPT (1 1/2").



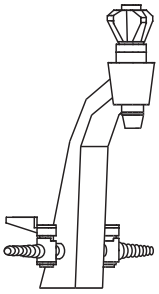
38512 • Vulcathene

Double bowl center drain. Adjustable assembly. FNPS loose nut inlet x MNPS outlet (1 1/2").

Service Fixtures

The Sheldon Unicast fixture's unique design provides extra protection against abuse and vandalism. The main body of the fixture is cast in one piece of 5A-ASTM-30 brass. The standard exterior finish is twilight in color, epoxy powder-coated to a sand blasted surface creating a chemical resistant finish. The Unicast is available with cold water and gas, air or vacuum. The Unimix fixture is available with cold water, hot water and gas, air or vacuum. Both the Unicast & Unimix® are provided with aerators. Optional vacuum breaker, serrated hose connection and aspirator are available at an additional cost.

Unicast

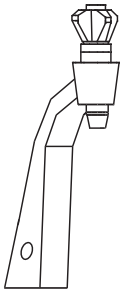


80020 - (12 5/8"H Shown)
Unicast with cold water, two gas cocks & aerator.

80020A - Same as above, except with two air cocks.

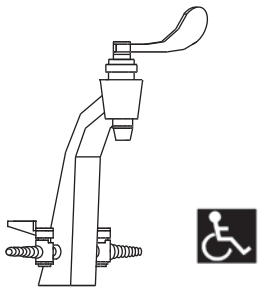
80020V - Same as above, except with two vacuum cocks.

Options:
82010T - Vacuum Breaker
80850T - Serrated Hose Connection
81000T - Aspirator



80022 - (12 5/8"H Shown)
Unicast with cold water & aerator.

Options:
82010T - Vacuum Breaker
80850T - Serrated Hose Connection
81000T - Aspirator

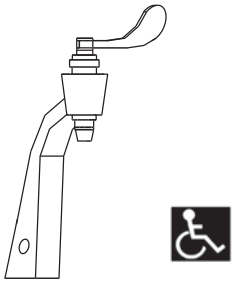


80020-WB-BV - (13 5/8"H Shown)
Unicast with cold water, two gas ball valves, wrist-blade handle & aerator.

80020-WB-BV-A - Same as above, except with two air cocks.

80020-WB-BV-V - Same as above, except with two vacuum cocks.

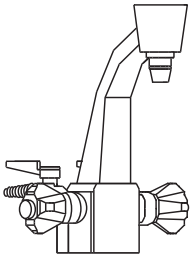
Options:
82010T - Vacuum Breaker
80850T - Serrated Hose Connection
81000T - Aspirator



80022-WB - (12 5/8"H Shown)
Unicast with cold water, wrist blade handle & aerator.

Options:
82010T - Vacuum Breaker
80850T - Serrated Hose Connection
81000T - Aspirator

Unimix®

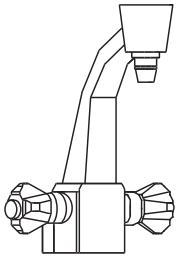


80030 - (10 1/4"H Shown)
Unimix with cold water, hot water, two gas cocks & aerator.

80030A - Same as above, except with two air cocks.

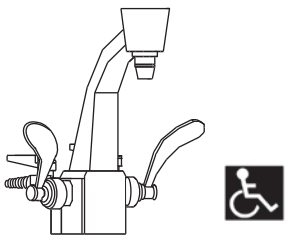
80030V - Same as above, except with two vacuum cocks.

Options:
82010T - Vacuum Breaker
80850T - Serrated Hose Connection
81000T - Aspirator



80032 - (10 1/4"H Shown)
Unimix with cold water, hot water & aerator.

Options:
82010T - Vacuum Breaker
80850T - Serrated Hose Connection
81000T - Aspirator

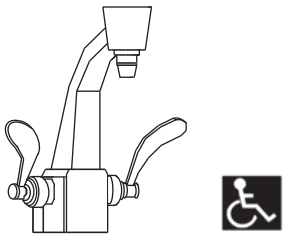


80030-WB-BV - (10 1/4"H Shown)
Unimix with cold water, hot water, two gas ball valves with brass handles, wrist blade handles & aerator.

80030-WB-BV-A - Same as above, except with two air cocks.

80030-WB-BV-V - Same as above, except with two vacuum cocks.

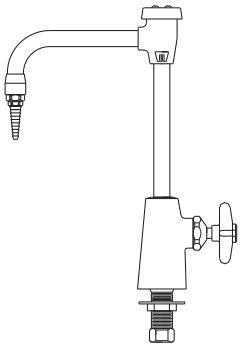
Options:
82010T - Vacuum Breaker
80850T - Serrated Hose Connection
81000T - Aspirator



80032-WB - (10 1/4"H Shown)
Unimix with cold water, hot water, wrist-blade handles & aerator.

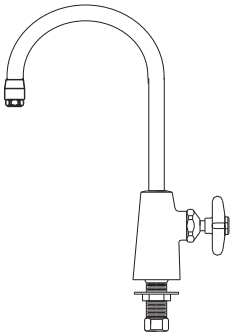
Options:
82010T - Vacuum Breaker
80850T - Serrated Hose Connection
81000T - Aspirator

Water Faucets



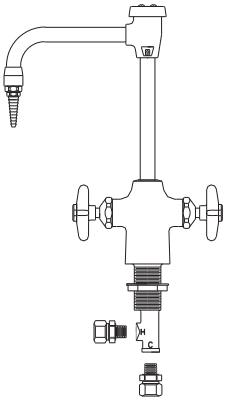
80000VB

Single hot or cold water gooseneck fixture for deck mounting with vacuum breaker. Includes mounting shank, lock nut, washer and coupling nut.



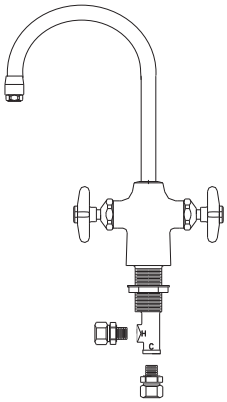
80000

Single hot or cold water gooseneck fixture for deck mounting. Includes mounting shank, lock nut, washer and coupling nut. With aerator.



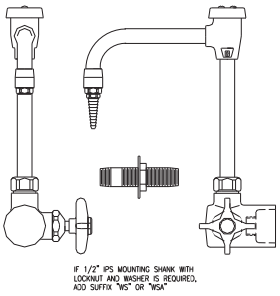
80100VB

Single hot or cold water mixing gooseneck faucet for deck mounting with vacuum breaker. Includes mounting shank, lock nut, washer and two coupling nuts.



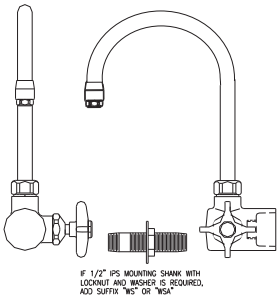
80100

Hot and cold water mixing gooseneck faucet for deck mounting. Includes mounting shank, lock nut, washer and two coupling nuts. With aerator.



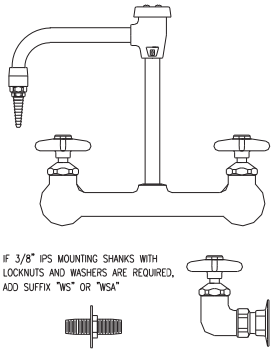
80250VB

Single panel mounted gooseneck for hot or cold water with vacuum breaker. Includes mounting shank with lock nut and washer.



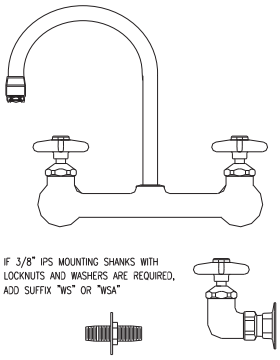
80250

Single panel mounted gooseneck for hot or cold water. Includes mounting shank with lock nut and washer. With aerator.



80300VB

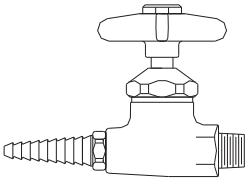
Hot and cold water mixing gooseneck fixture for panel mounting with vacuum breaker. Includes mounting shanks, lock nuts and washers.



80300

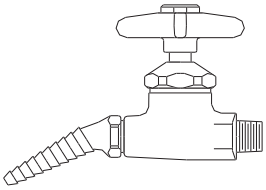
Hot and cold water mixing gooseneck fixture for panel mounting. Includes mounting shanks, lock nuts and washers. With aerator.

Miscellaneous Water Fixtures



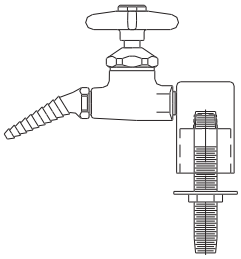
80440

Water cock with straight hose connection, pipe mounted.



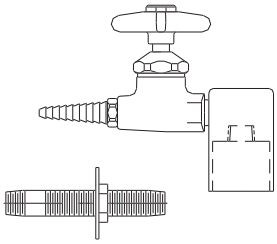
80460

Water cock with angle hose connection, pipe mounted.



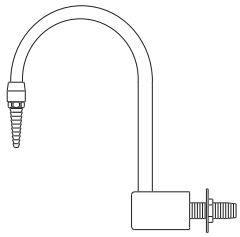
80650

Pedestal fixture for water with angle hose connection, shank, lock nut and washer.



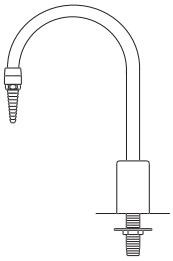
80660

Pedestal fixture for water with straight hose connection, shank, lock nut and washer.



80680

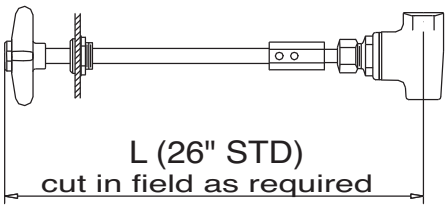
Gooseneck on pedestal only; panel mounted with shank, lock nut and washer.



80690

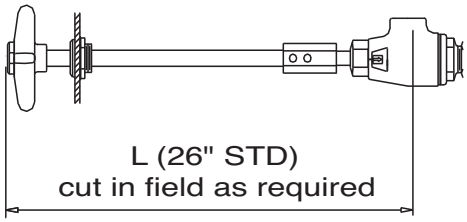
Gooseneck on pedestal only; deck mounted with shank, lock nut and washer.

Remote Control Fixture Assemblies



80770

Remote control valve for gas. Air or gas index button optional.



80780

Remote control valve for cold water. Hot water index button optional.

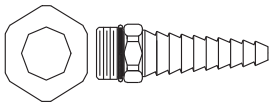
Add Suffix "VB" if Vacuum Breaker Required.

Faucet Accessories

Service Fixture Options:

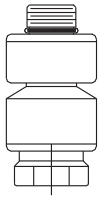
Suffix Code	Option
VB	Integral Vacuum Breaker
WB	Wrist Blade Handle
T	Twilight Powder Coat Epoxy Finish
S	Swivel Gooseneck
VR	Vandal Resistant Fixture

Swivel Gooseneck NOT AVAILABLE with vandal resistant feature.



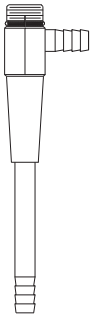
80850

Removable hose connection.



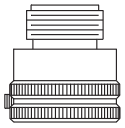
82010

Dual check vacuum breaker.



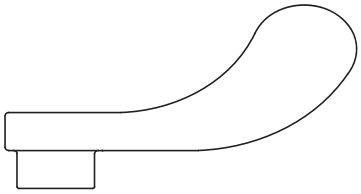
81000

Aspirator.



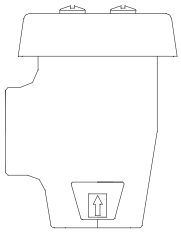
81020

Aerator.



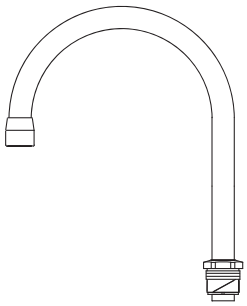
WB

Wrist blade handle.



VB

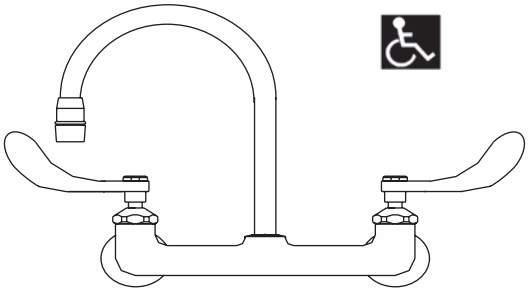
Integral vacuum breaker.



S

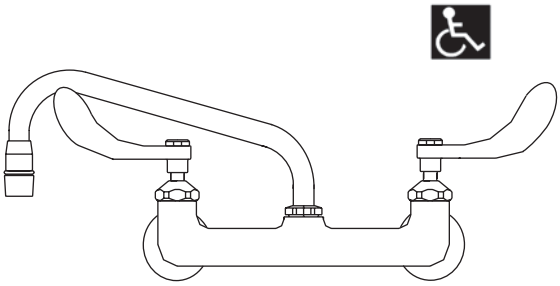
Swivel gooseneck.

Specialized Fittings



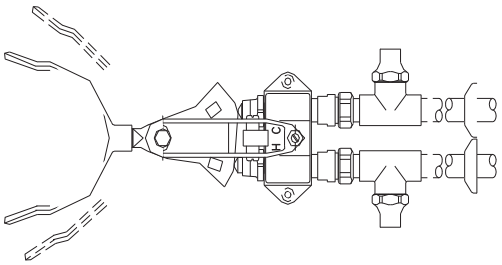
81100

Hot and cold water gooseneck faucet with wrist handles, mounting shanks, lock nuts and washers.



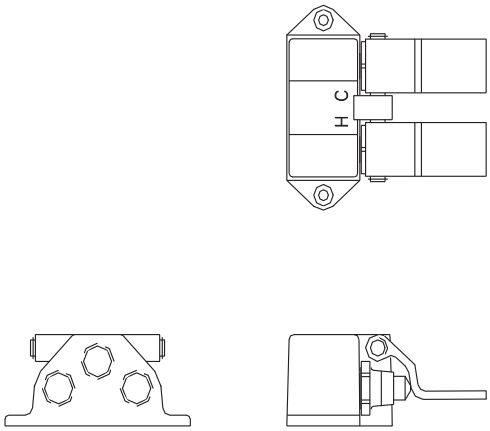
81120

Hot and cold water swing spout faucet with wrist handles, mounting shanks, lock nuts and washers.



81140

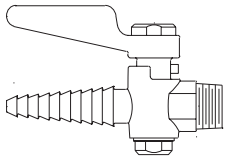
Knee control valve for hot and cold water. Combine with **80680** or **80690** goosenecks.



81160

Foot control valve for hot and cold water. Combine with **80680** or **80690** goosenecks.

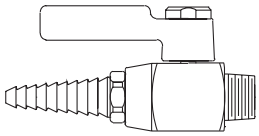
Hose Cocks for Gas - Air - Vacuum



81280 - Ground Key Cock Valves

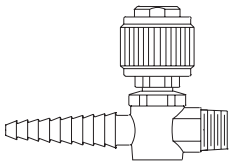
Ground key cock valves are available for non-ADA compliant units. These models feature ground key construction with ON/OFF control; constructed of brass with a spring-loaded lever handle. Ground key cocks have a maximum working pressure of 40 PSI. These cock valves are furnished as a standard on the fixtures listed below. Ground key cock valves are **NOT** AGA/CGA certified.

– Optional Valves –



81270 - Laboratory Ball Valves

Laboratory ball valves are available for ADA compliant units. These models feature ball valve construction with ON/OFF control; constructed of brass with a nylon lever handle. Ball valves have a maximum working pressure of 75 PSI. Laboratory ball valves **ARE** AGA/CGA certified.

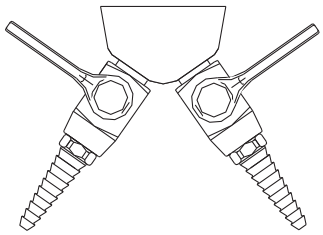


81290 - Needle Point Cocks

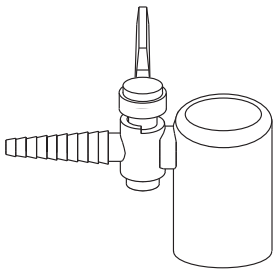
Needle point cocks are designed specifically for fine control. The needle point, Teflon packing and safety grip handle provide for continuous trouble-free operation. They may be used for any gases not affecting Teflon material. Needle point cocks have a maximum working pressure of 60 PSI. Needle point cocks are **NOT** AGA/CGA certified.

Cock Valves for Gas - Air - Vacuum

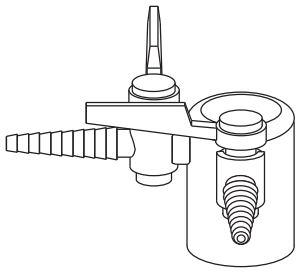
These units are furnished standard with ground key cock valves. Units are available with vandal-resistant features at an additional cost. Vandal resistant features include 3/8" heavy wall pipe shank; turret base with pins to prevent turning; index disc cemented in place to prevent removal; all threaded connections secured with cement. Standard finish is polished chrome. Epoxy powder coat finish available at an additional cost.



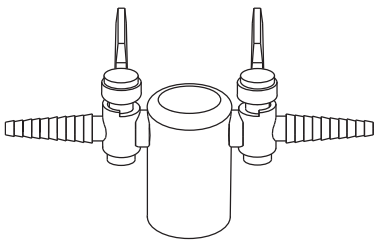
81080 - G, Double Gas
81080 - A, Double Air
81080 - V, Double Vacuum



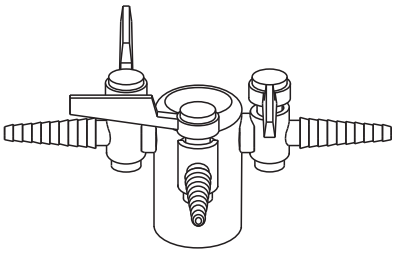
81300 - G, Single Gas
81300 - A, Single Air
81300 - V, Single Vacuum



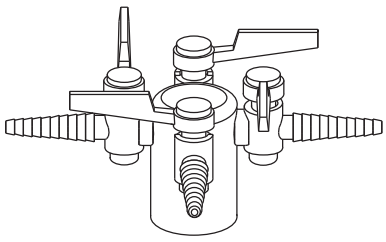
81310 - G, Angle Gas
81310 - A, Angle Air
81310 - V, Angle Vacuum



81320 - G, Double Gas
81320 - A, Double Air
81320 - V, Double Vacuum



81330 - G, 3-way Gas
81330 - A, 3-way Air
81330 - V, 3-way Vacuum



81340 - G, 4-way Gas
81340 - A, 4-way Air
81340 - V, 4-way Vacuum

Two types of Reagent Racks are available as illustrated:

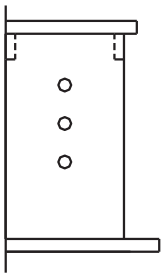
Style A – Open Face with Piping Exposed. ❖ Style B – Panel Face with Piping Concealed.

Standard Overall Height is 18" – Standard Width 12 1/2" – Standard Construction is Phenolic Resin

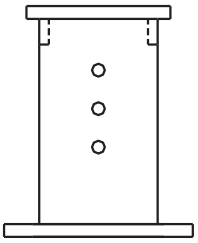
Service fixtures and electrical fixtures ARE INCLUDED; piping conduit & wiring provided BY OTHERS.

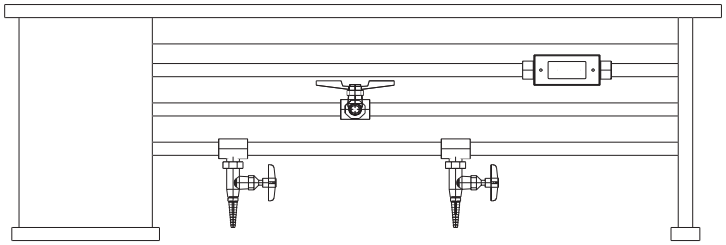
Reagent Racks • Style A - Open Face

87880 - Wall Rack



87890 - Center Rack

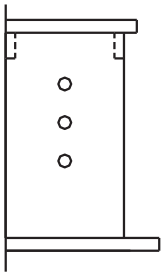




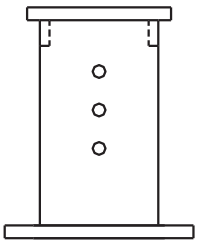
87880ER - Same as 87780, except constructed of Epoxy Resin.
87890ER - Same as 87890, except constructed of Epoxy Resin.

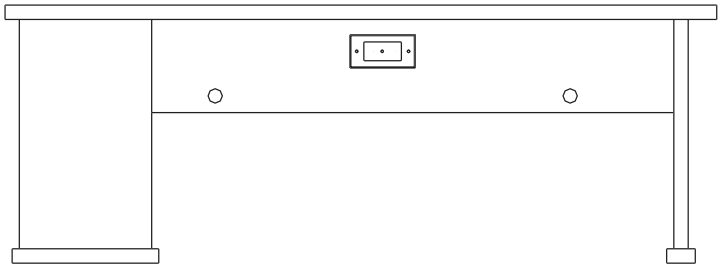
Reagent Racks • Style B - Panel Face

87900 - Wall Rack



87910 - Center Rack



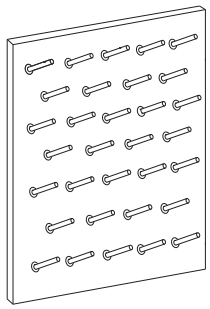


87900ER - Same as 87900, except constructed of Epoxy Resin.
87910ER - Same as 87910, except constructed of Epoxy Resin.

Wall Mounted Drying Racks

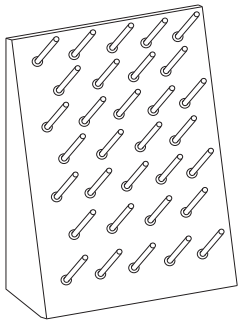
79520 • 32 Pegs - 20” X 30”

79530 • 53 Pegs - 32” X 30”



Drying racks are 1” Phenolic Resin with white plastic pegs 5” long and 3/8” diameter.

Self Supported Drying Racks



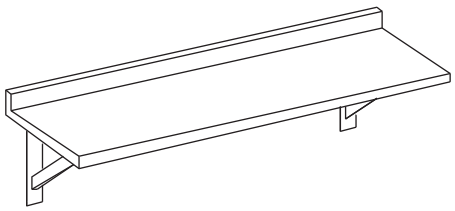
79620 • 32 Pegs - 20” X 30”

79630 • 53 Pegs - 32” X 30”

Same as wall mounted drying rack, except integral ends support board in a sloped position, 5 1/2” from front to back at bottom. Available in Phenolic Resin only.

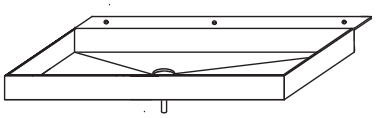
Drying Rack Bottle Shelf

70720



Black Phenolic Resin shelf 12” wide mounted above drying rack. Shelf is 20” long and mounted above a 20” X 30” drying rack.

Stainless Steel Drip Trough



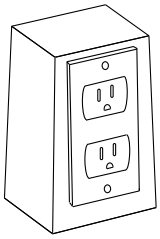
MET-511-20 • 20” X 2” X 1”

MET-511-32 • 32” X 2” X 1”

Drip trough constructed of stainless steel to be used with drying racks.

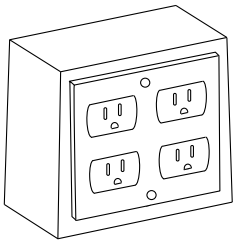
Electrical Fittings

Pedestal boxes are 5 1/2" high cast aluminum. Provided with IPS threaded mounting shank and lock nut. Standard receptacles and switches can be installed in these pedestals, flush mounted boxes or bottle rack boxes. Standard receptacles are 20 amp – 125 volt. **220 volt receptacles are available when specified.** Standard receptacle color is brown. If GFI receptacles are required, add the suffix "GFI" to fixture numbers.



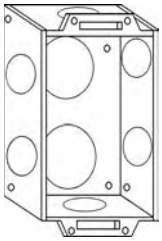
85301 • 85401 - Pedestal Box

Singled faced pedestal box with receptacle. **85401** same as **85301**, except with receptacles on each side.



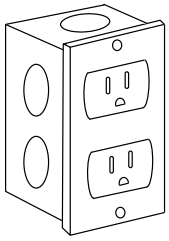
85501 • 85601 - Pedestal Box

Double width pedestal box with two receptacles on one side. **85601** same as **85501**, except with receptacles on each side.



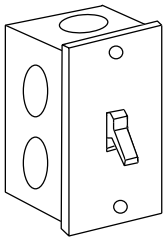
85100 - Single Box

Single box without receptacle and cover plate



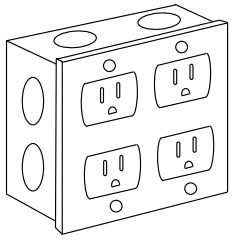
85101 - Flush Mounted Box

Box & plate with receptacle.



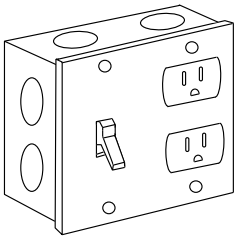
85106 - Flush Mounted Box

Box and plate with switch.



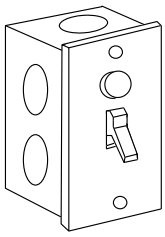
85201 - Flush Mounted Box

Box & plate with receptacle.



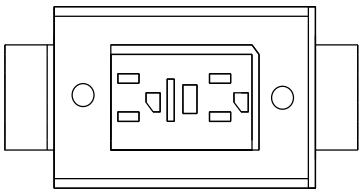
85208 - Flush Mounted Box

Box & plate with receptacle & switch.



85860 - Flush Mounted Box

Box and plate with switch & pilot light.



85701 • 85801 - Bottle Rack Box

Bottle rack box with receptacle on one side. **85801** same as **85701**, except with two receptacles & plates.

Upright Rod Accessories

86310 - Apparatus Upright Rod

(3/4") diameter and (18") long aluminum rod.

86315 - Apparatus Upright Rod

(1/2") diameter and (18") long aluminum rod.

86335 - Apparatus Upright Rod

(3/4") diameter and (24") long aluminum rod.

86325 - Apparatus Upright Rod

(1/2") diameter and (24") long aluminum rod.

86300 - Apparatus Upright Rod

(3/4") diameter and (36") long aluminum rod.

86305 - Apparatus Upright Rod

(1/2") diameter and (36") long aluminum rod.

86330 - Clamp-Style Upright Rod

(3/4") diameter and (36") long aluminum rod.

86360 - 18" Crossbar

(3/4") diameter aluminum.

86355 - 18" Crossbar

(1/2") diameter aluminum.

86370 - 42" Crossbar

(3/4") diameter aluminum.

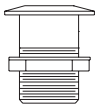
86365 - 42" Crossbar

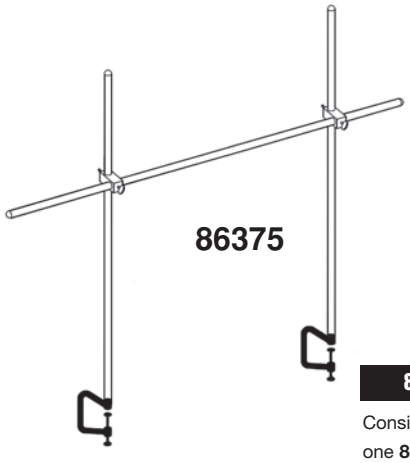
(1/2") diameter aluminum.

86330

86320 - Rod Base

For mounting in tabletop. Aluminum base receives both 3/4" and 1/2" apparatus upright rods.





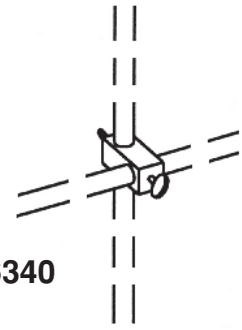
86375

86340 - Upright Rod Connector

Aluminum connector. Fits **86300**, **86310**, **86335**, **86360**, and **86370** rods.

86345 - Upright Rod Connector

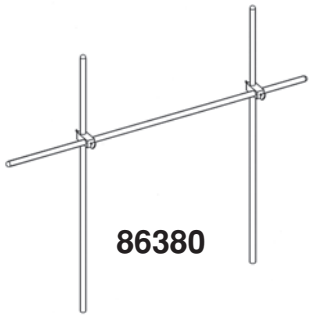
Aluminum connector. Fits **86305**, **86315**, **86325**, **86355**, and **86365** rods.



86340

86375 - C-Clamp Upright Rod Assembly

Consisting of two **86330** (3/4") c-clamp upright rods with integral clamp mechanism, one **86370** (42") crossbar, and two **86340** rod connectors. Clamping upright rods fit on table or counter with minimum of (1") overhang.



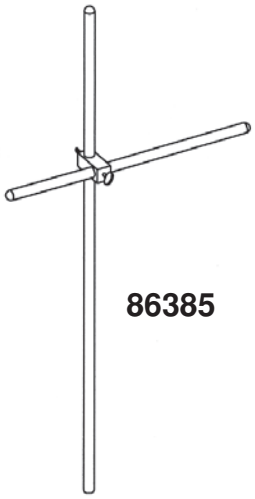
86380

86380 - 3/4" Upright Rod Assembly

Consisting of two **86300** upright rods, one **86370** (42") crossbar, and two **86340** rod connectors.

86390 - 1/2" Upright Rod Assembly

Consisting of two **86305** upright rods, one **86365** (42") crossbar, and two **86345** rod connectors.



86385

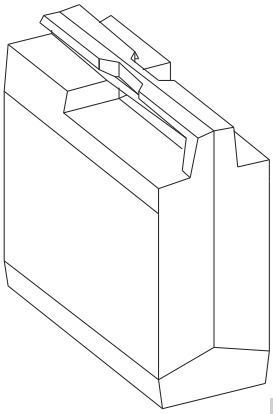
86385 - 3/4" Single Upright Rod Assembly

Consisting of one **86300** upright rod, one **86360** (18") crossbar, and one **86340** rod connector.

86395 - 1/2" Single Upright Rod Assembly

Consisting of one **86305** upright rod, one **86355** (18") crossbar, and one **86345** rod connector.

14220* - Carryall



15 3/4' Length X 6 1/8" Width X 16" Height O.D.

The dimension and design of the Sheldon carryall accommodates virtually every student storage need. Carryalls free space for student work tables; allow the student to take his equipment to remote work areas; and provide more space than is usually available in drawers.

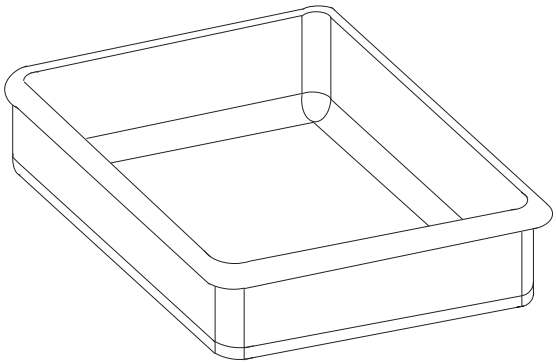
Sheldon carryalls feature double wall construction of molded high density polyethylene and a hole to accommodate a padlock for security.

***When this unit is to be suspended under table tops, #3026 - 0017 Carryall Guide must be included.**

74240* - Tray Drawer

17"Length X 11 1/2" Width X 3 3/4" Height O.D.

Fabricated of heavy duty, molded fiberglass.

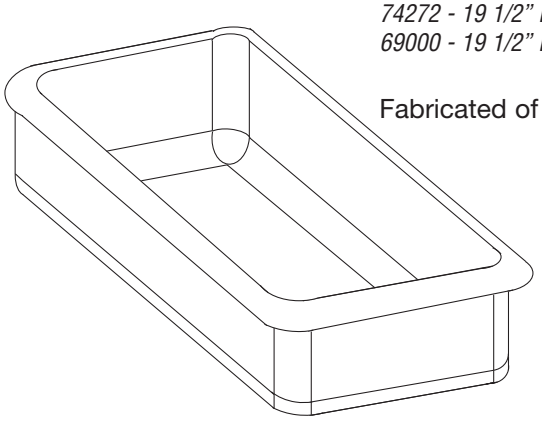


***When this unit is to be suspended under table tops, #3026 - 0025 Tray Guide must be included.**

74272* • 69000* - Tote Trays

74272 - 19 1/2" Length X 8 13/16" Width X 4 1/2" Height O.D.
69000 - 19 1/2" Length X 13 1/4" Width X 4 1/2" Height O.D.

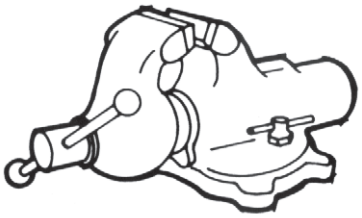
Fabricated of heavy duty, molded fiberglass.



***When this unit is to be suspended under table tops, #3026 - 0025 Tray Guide must be included.**

See Casework Section for Tote Tray / Carryall Storage Cabinets

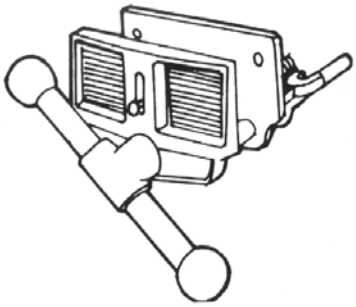
86420 - Machinists Vise



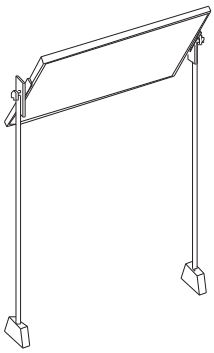
Swivels full 360˚. Jaw is (3 1/2") wide, opens to (5") and has a throat depth of (3 1/4"). Geared bolt and base plate afford positive lock against slippage. Ground and polished.

86435 - Woodworker's Vise

Medium duty clamp vise. Jaws (3" X 6 1/2") opening to (7"). Designed to be mounted to tops up to 2 1/2" thick.



21031 - Demonstration Mirror

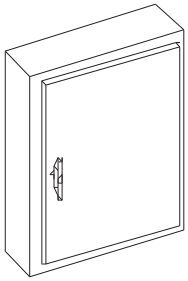


Mirror size is 22"Width" X 32"Length.

24930 - Key Cabinet

18 3/4" X 2 3/4" X 34 3/8"

Metal key cabinet furnished in gray finish only. 120 key capacity. Furnished with lock. Comes complete with file key tag, key receipt slips & holders, key collection envelopes, and cross-reference index binders.



Laboratory Tops

See SEFA 3 – 1996 WORK SURFACES, RECOMMENDED PRACTICES
for selection, use, description, tolerances and maintenance of laboratory tops.

❖ Shelresin (Epoxy Resin)

Epoxy Resin tops are produced from a composite of epoxy resin, silica, organic fillers and inert hardeners. Material is cast and cured in ovens at elevated temperatures. Material is homogeneous throughout and non-absorbent.
Standard color is black.

❖ Phenolic Resin

Solid phenolic composite tops are a compression molded composite of a homogeneous core of organic fiber reinforced phenolic and one or more integrally cured surfaces of compatible thermostat resins that are non-absorbent.
Standard color is black.

❖ Fiberglass Reinforced Polyester

Fiberglass reinforced structural polyester – molded fiberglass with durable gel coat surface. Non-burning when submitted to the ASTM D-635 test.
Standard colors are twilight and black.

❖ Regular Grade High-Pressure Laminate

High pressure plastic laminate tops are made from melamine impregnated surface papers pressed over phenolic-impregnated kraft paper layers. The back is sanded to facilitate bonding to a top of suitable substrate.
Standard color is black.

❖ Edge Grain Hardwood

Edge grain hardwoods glued and finished in penetrating oil or clear synthetic finish.
Standard color is natural maple.

❖ Sheldine (Fiber Cement)

Fiber cement tops are of high density, non-asbestos material hydraulically pressed into monolithic boards from portland cement and refractory fibers.
Standard color is neutral gray.

For an authorized Sheldon Laboratory Systems Dealer near you, visit our website - www.sheldonlabs.com

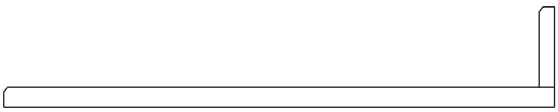
Laboratory Tops

TABLE TOPS

STYLE – A

21”, 24”, 30”, 36”, 42” & 48” Wide

WALL BENCH TOPS



STYLE – B

24” & 30” Wide

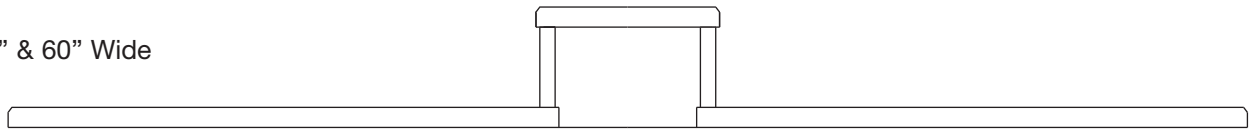
STYLE – C

30” Wide

CENTER BENCH TOPS

STYLE – D

54” & 60” Wide



Laboratory Tops

Edge Treatments & Thickness for Laboratory Tops

❖ Epoxy Resin (1” Thick)

Beveled Edge – Standard
Contoura Edge – Available at an Additional Cost
Contoura Control Edge – Available at an Additional Cost
Marine Edge – Available at an Additional Cost

❖ Phenolic Resin (1” Thick)

Beveled Edge – Standard

❖ Regular Grade High-Pressure Laminate (1” Thick)

Slight Beveled Self-Edge – Standard

❖ Regular Grade High-Pressure Laminate (3/4” Thick)

Radiused 3mm PVC Edge Band – Standard

❖ Edge Grain Hardwood (1 3/4” Thick)

Radiused Edge – Standard

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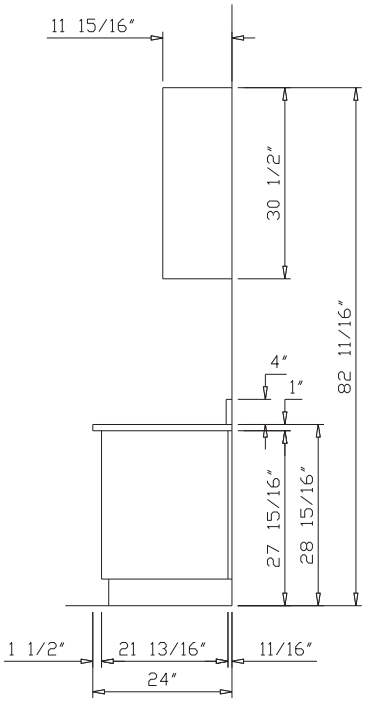
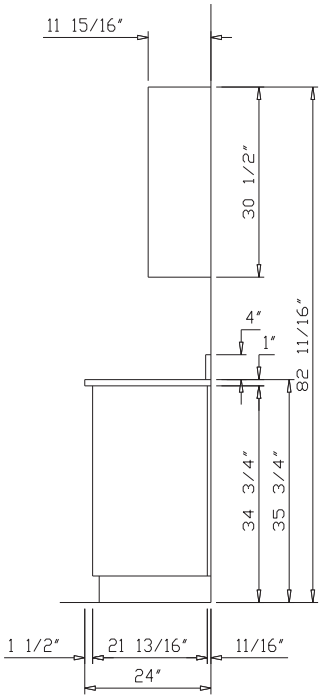
Wall Bench End Views — Actual Outside Dimensions

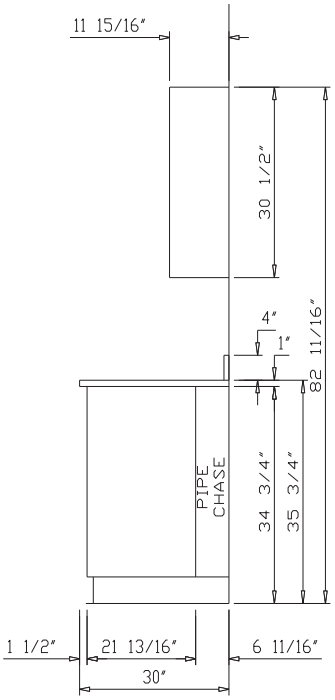
Add 3/4" for Drawer/Door Thickness to Depth.



24" Deep • Wall Bench
Sitting Height

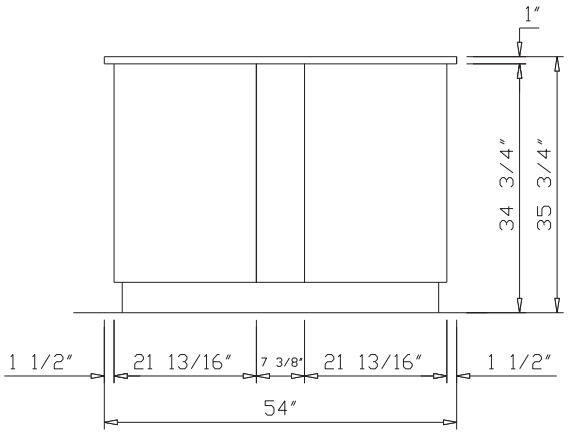


24" Deep • Wall Bench
Standing Height

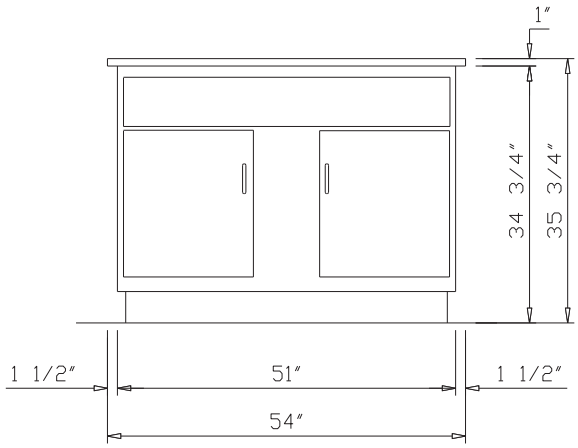


30" Deep • Wall Bench
Standing Height

Center Bench End Views — Actual Outside Dimensions



54" Wide • Center Bench
Standing Height

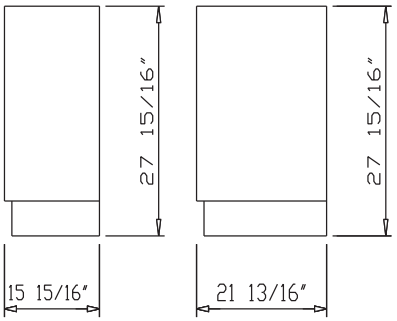


54" Wide • Center Bench
Standing Height

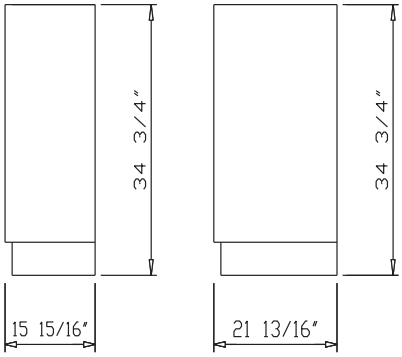
Base Cabinet End Views — Actual Outside Dimensions

Add 3/4" for Drawer/Door Thickness to Depth.

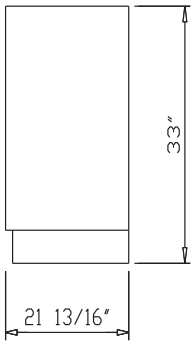
Add Lab Top Thickness for Overall Height



Sitting Height

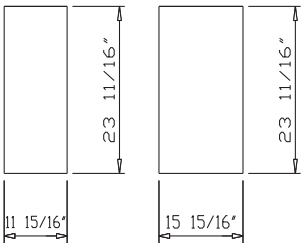


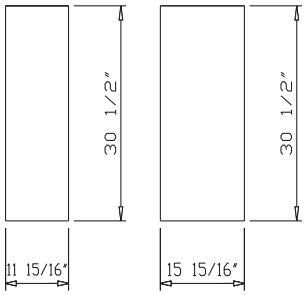
Standing Height

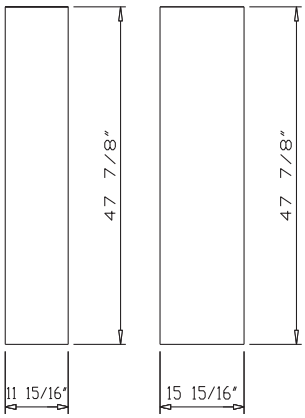


ADA

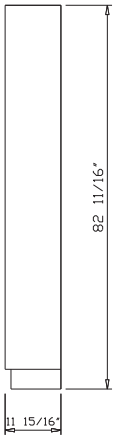
Wall Case End Views — Actual Outside Dimensions

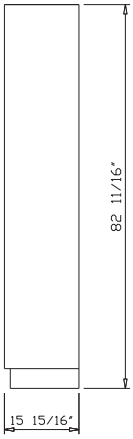


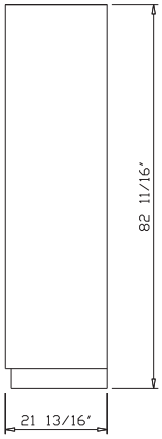




Tall Case End Views — Actual Outside Dimensions







Actual Cabinet Widths

18" = 17 7/8"
24" = 23 7/8"
30" = 30"
35" = 35"
42" = 42"
47" = 47"

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Sheldon Laboratory Systems, Inc.
A Missco Company
Post Office Box 836
102 Kirk Street
Crystal Springs, Mississippi 39059

Telephone – 601.892.2731
FAX – 601.892.4364
sales@sheldonlabs.com

www.sheldonlabs.com

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