

- A. **Sheldon 26900 Axis Infinity Physics Student Table:**
Push Button Control, Motorized Adj Hgt, 7' Work Surface, Wood Base, A25 Sink.
1. The Student Physics Table shall be multi-purpose and must be able to seat a minimum of four (4) students, accommodate computer technology, ADA accessibility, and combination lab/lecture functions. Work surface height is adjustable from 30" to 36" with a panel mounted push button control, quickly converting from lecture to lab height without altering the fixed ADA sink height or the mechanical and electrical connections.
 2. The adjustable height Shelresin student work surface is curvilinear shaped and measures a **minimum of 84" x 44"**. The unique contoured shape of the countertop is provided to eliminate sharp corners from projecting into the aisles. The adjustable height work surface top is 1" thick molded epoxy resin and has an integral raised marine edge.
 3. The understructure for the adjustable work surface is constructed of a minimum 11-gauge steel, and provides support for a 1,000 lb maximum load on the perimeter of the countertop. Heavy-duty steel tubes are bolted to three (3) top mount brackets and screwed through angle brackets into the underside of the work surface to provide uniform support. The top mount brackets are bolted to and support the three (3) motorized lifting columns, which are firmly attached to a welded steel leg support frame that provides rigid stability for lifting the work surface.
 4. Mounted in the lower rear section of the fixed sink base is a 110-VAC control box, activated by the up/down arrow buttons, that synchronizes the three (3) motorized lifting columns that raise or lower the student work surface. The control box is provided with a safety load-limit dongle switch. Cables from control box to three (3) motors are housed in flexible conduit.
 5. The sink is cantilevered from the sink base and supported by a heavy-duty, wood sink base assembly, available in Oak or Maple, as specified. The fixed Shelresin sink top is used for mounting the sink. The sink base assembly provides housing for the mechanical and electrical service lines and rough-in connections, and contains a front metal sink shroud, removable wood front panel to provide access to services, and a lower rear removable metal access cover panel.
 - a. The 34" ADA fixed height sink top is 1" thick molded epoxy resin with an integral raised marine edge on four (4) sides. The overall top is 42" wide with curved front that is 31" deep front to back at center of curve and 22" front to back on each end. Space is allowed at the rear of the sink top for optional service fixtures **when called for.**
 - b. The juncture between the sides and rear of the fixed sink top and the adjacent adjustable height work surface is provided with a metal safety hand-guard.
 - c. The molded Drop-in type epoxy resin sink is 18" x 15" x 5" deep

(inside dimensions), and allows ADA accessibility. The sink is provided with a removable sink cover made of 1/4" phenolic resin, and when used, allows additional top surface.,

- d. Each table is provided with a push button control with up and down arrow buttons and a lockout key, housed in the sink shroud, and connected to the control box in the sink base.
- e. The sink base is provided with one (1) GFI duplex receptacle located on each exterior end of the base, and one (1) quad box with two (2) Non-GFI duplex receptacles located on the right side of the interior wall of the base. Each end of base also includes two (2) panel mounted CW water fixtures, and two (2) panel mounted drench hose units provided with quick disconnects on each hose end and each water fixture. Drench hose units may be disconnected at water fixtures, removed from mounting brackets, and stored when not in use.

Service Rough-ins, junction box, internal conduit and wiring not included, and internal service lines and waste drain from rough-ins to water fixtures and sink outlet not included.

- 6. Sink base and leg support frame shall be bolted to the floor.
- 7. Standard color and finish of **all** metal components is black powder coated epoxy, including leg support frame assembly, and lower rear metal removable cover panel. The metal sink shroud is available in additional colors shown on the Sheldon Metal Color Chart.
- 8. Standard services and accessories to be included with each table:

Two (2) 85101 GFI duplex receptacles.
One (1) 85201 Quad box with two (2) Non-GFI duplex receptacles.
One (1) A25 Epoxy Resin Sink with outlet and stopper.
Two (2) G5025-BP Drench hose unit with backflow preventer and panel mounting bracket.
Two (2) L5100F-225WSA Panel mounted, cold water valve assembly.
Two (2) QCBL-B-3M-K3 Quick connect fitting.
Two (2) QPDL-B-3F-K3 Quick connect fitting.

Optional accessories available at additional cost:

One (1) PPA0001K Set clamp-on privacy panels (3-Panel Kit).
One (1) Pair data/electrical outlet flip-ups.
Two (2) 86375 Sets upright clamp-on rod assemblies.
One (1) Lockable rod storage compartment.