

## STAINLESS STEEL

The full range of Mott casework, furniture systems and fume hoods are available in type 304 or 316 stainless steel are manufactured to a No.4 finish. Our stainless steel is designed and manufactured to deliver practical solutions to specialized laboratory environments. Applications include pharmaceutical manufacturing, food processing, health care, agricultural products and services, clean rooms, operating rooms, animal facilities, autopsy areas, and radioactive processes that feature high use of water wash-down to eliminate contamination and maintain excellent cleanliness. Note: stainless steel is generally not suited for acid labs or labs where chlorides will be used.

304 grade stainless steel is the most versatile and one of the most widely applied stainless steel grades for laboratory use. High quality laboratory furniture components can be readily manufactured from this grade because it has excellent forming and welding characteristics. This grade also has excellent corrosion resistance, further corrosion resistance details are available from Mott or its dealers upon request. Use option code 51 for type 304 stainless steel.

316 grade stainless steel is specified for the more demanding laboratory environments. This molybdenum bearing, higher nickel content grade delivers superior corrosion resistance, improved stain resistance and strengthened chloride attack resistance benefits to laboratory furniture. This grade has excellent corrosion resistance to a wider range of chemicals, including the complex sulphur compounds. Use option code 52 for type 316 stainless steel.

**Moisture & Corrosion Resistance** - Properly selected and maintained stainless steel provides excellent moisture and corrosion resistance in many applications.

**Impact Resistance** - Stainless steel's high yield strength, even at elevated temperatures, provides high impact strength and therefore ensures durability and extended product life.

**Easy to Sanitize** - Stainless steel work surfaces with smooth radius corners make it ideal for environments requiring high levels of cleanliness.

**Friendly to the Environment** - Stainless steel products are 100% recyclable and have value even after a very long life in the laboratory. 60% - 85% of new stainless steel comes from recycled stainless steel.

**Fume Hoods** - All Mott's fume hoods are readily available in stainless steel construction. Hoods can be custom designed and manufactured to meet specific application requirements. Features can include covered corner liners with integral work surfaces where high levels of cleanliness are required.

**Specialty Cabinets & Furniture** - Mott offers a variety of specialty cabinets to fit the needs of most labs, such as: Operating Room Casework, Nurse's Stations, Biological Safety Casework and Tables, and more...

**Canopy Hoods** - Designed to exhaust non-toxic steam, odors and heat. Available in wall or island configurations to be suspended from the ceiling. Powder coated steel also available.

**Work Surfaces & Sinks** - Built to order, all surfaces are welded and polished to a No. 4 finish with quality craftsmanship to produce one piece integral construction.

**Scullery Sinks & Scrub Sinks** - These units are custom designed and manufactured to your exact requirements and can be configured with several features such as single or multiple compartments, drain boards and front panels.



**STAINLESS STEEL**
**Stainless Steel Cabinet Gauges & Material**

Drawer Bodies\*, Shelves,  
 Door & Drawer Liners, Removable Backs 20 gauge 304-4 S/S

Cabinet Gables, Tops, Bottoms, Toekicks,  
 Outer Door & Drawer Front Panels Table Frames, Filler Panels, Sloping Tops 18 gauge 304-4 S/S

Top & Intermediate Channels, Table Legs 16 gauge 304-4 S/S

Drawer Suspension, Hinge Plates 14 gauge 304-4 S/S

Cabinet Leveler Support 11 gauge 304-4 S/S

Five Knuckle Hinges (With S/S Fasteners) 14 gauge 304-4 S/S

Door & Drawer Pulls S/S Bar Pull

Door Roller Catch Zinc Plated

3/8" Hex Head Leveler Bolts Electro Plated

Drawer Roller Bearings Zinc Plated with Nylon Rim

Full Extension Drawer Glides Zinc Plated

Shelf Clips Zinc Plated

Sliding Glass Doors Shoes & Tracks Aluminum

Framed Glass Door Lower Tracks PVC

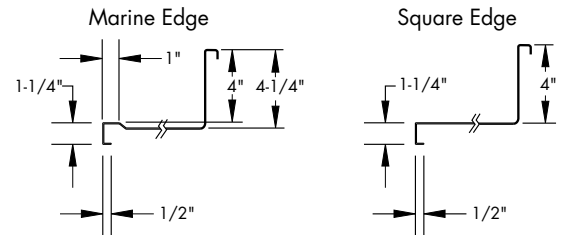
Cabinet Leveler Access Covers PVC

Note: \* 30" wide or larger drawers are 18 gauge, otherwise drawers are standard 20 gauge.

**Counter Tops**

Counter tops can be designed to exactly match customer specifications and include features such as:

- Marine or square edges (Figure 1)
- Integral sinks in a wide variety of configurations
- Sloping drain boards

**Figure 1**


Construction options includes either 304 or 316 stainless steel backed with stainless steel or satin coat hat channels (Figure 2). Hat channel construction is recommended for long length counter tops that support heavy equipment or instruments.

**Figure 2**
**Steel Hat Channel Counter Top Cross Section**
