

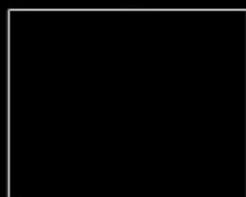
LAB DESIGN

MacBick™ Sales Service Corp.

STANDARD BAKED POWDER COATED FINISHES



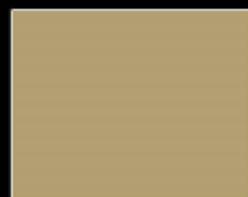
A – Champagne



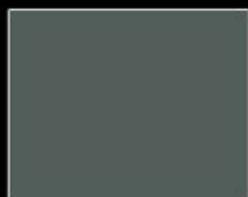
B – Black



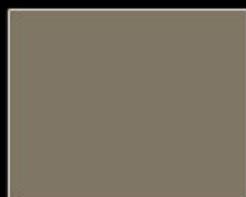
C – Fawn Beige



D – Velvet Beige



F – Bankers Gray



G – Desert Sage



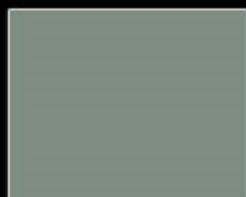
H – Arctic Blue



I – Model Gray



J – Stone Gray



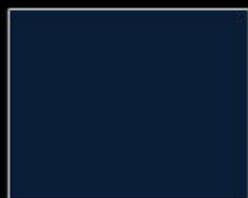
L – French Gray



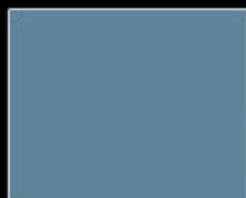
M – MacBICK Beige



O – Rio Blue



V – Navy Blue



W – Federal Blue



Y – Burgundy



Z – Wedgewood Blue

★ WHITE IS AVAILABLE, A 10% SURCHARGE TO THE NET COST APPLIES
☆ SPECIAL COLORS AVAILABLE ON REQUEST, CALL FACTORY FOR PRICING

These colors are representations and approximate the actual colors as close as possible

CABINET SPECIFICATIONS - SHORT FORM

1. MATERIALS:

A. Cold rolled sheet steel.

2. GAUGES

14 Drawer Suspensions, Corner Gussets

16 Legs

18 Cabinet Body, Doors, Shelves, Top Front and Intermediate Rails, Table Aprons and Frames, Kneespace Drawers

20 Drawer Front, Slope Tops

22 Drawer Body, Drawer Back, Drawer Inside front, Fillers, Panels

3. CONSTRUCTION

A. All steel, flush front construction. Cabinets are integrally welded with interchangeable doors and drawers.

B. Base Cabinets: Sides, bottom, back, and front crosspiece spot-welded together, then gas welded at front corners and ground smooth for painting. Backs have rear access panels for access to plumbing. Bottom has access holes (with caps) for access to leg levelers. Integral base creates a toe space 4" high x 3" deep. Double width base cabinets to have center upright 1" wide welded into place, except for open cabinets and cabinets with full width drawers.

1. Drawers: Constructed with four pieces: drawer body, drawer back, inside front, and drawer front. All of which are to be spot-welded into one integral piece, with drawer front to be fastened on using sheet metal screws for easy removal when installing locks. Both inside front and back are spot-welded into drawer body with flanges of inside front and flanges of back welded flush to raw edges of front and rear of body. Adhesive mounted honeycomb sound deadening material to be placed into drawer front.

2. Doors to be double pan construction with both inside and outside door welded to create one integral rigid piece.

3. Adjustable shelves are formed with flanges on all sides with returns on front and back of shelf. Shelves over 36" in width to have 18-gauge reinforcing channel spot welded to underside of shelf.

C. Wall Units: Wall units are available in four different heights: 24", 30", 36", and 48".

1. Top, sides and bottom spot welded to form one integral unit. Back is provided with slottage for adjustable shelf clips on 1/2" centers.

2. Doors to be double pan construction with both inside and outside door welded to create one integral rigid piece

3. Glass doors to be double-panel, reinforced frame, metal construction same as above. Glass is 1/4" thick, set and held in place in a resilient glazing channel. Sliding doors will operate on nylon rollers suspended from the extruded aluminum track at the top of the door, with a center guide at the bottom. Sliding doors have recessed aluminum door pulls and glass stop on inside. Rubber channels used to cushion glass in glazed doors shall be a neoprene rubber extrusion.

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- D. Freestanding units: Top, sides and bottom spot welded to form one integral unit with flush base. All specifications typical of wall units except the following:
1. Two side angles of 16-gauge steel are required, spot-welded to the inside bottom of each side. One 18-gauge angle to be spot-welded onto bottom of back and one 16-gauge angle to be spot-welded onto top of back for rigidity.
- E. Table Frames/Apron: Table aprons to be 3-3/4" high, 'C' channel shape. Leg pockets to be 16-gauge cold rolled steel, spot-welded into each corner.
1. Standard legs are to be H-leg design, manufactured with 16-gauge 2" x 2" tubing and 18-gauge spreader to weld both legs together. Each leg has 3/8" - 16 levelers, adjustable to 1" in height. Legs are bolted into leg pockets with 1/4" - 20 bolts. Leg shoes to be provided on table legs to conceal shims or leveling devices. Shoes shall be black vinyl and covered at bottom. Use of a leg shoe that does not conceal leveling device will not be acceptable
- F. Kneespace Drawers: Drawers are standard half height drawers. Drawer housing to be manufactured with two sides 3-3/4" high with front to have flange with return for drawer roller. Back to be spot-welded to inside of unit between rear of sides. 36" and 48" double drawer units to be assembled with two single units welded together with front bottom stiffener and rear 16-gauge stiffener. Drawer ends available to extend the width of drawer unit. Ends are typical of an apron half in formation and gas-welded in place in front and back of drawer unit. When using H-legs on a drawer end, the smallest end possible is 4" to accommodate leg pockets.
- G. Kneespace Panels, Fillers & Slope Tops: All panels and fillers to be fabricated out of 22-gauge cold rolled steel. All spring clips used for mounting to cabinets and/or wall are 18-gauge galvanic material. Mounting flanges on all panels and fillers are 1-1/2" long typical.
1. Adjustable kneespace panels accommodate the width of the opening and are formed with mounting flanges. Panels are fabricated in various standard heights to fit most openings.
 2. Front base fillers are fabricated with a 4" high x 3" deep toe space at bottom to match base cabinet profile. Rear base fillers are fabricated the same but without toe base for side applications. Corner toe space fillers are 4" x 4" high to close off the toe space area between base cabinets in 90° corners.
 3. Sloping tops are formed with a 30° slope. Straight [soffit] panels are available upon request.
- H. Hardware:
1. Drawer and door pulls to be aluminum wire pulls with 4" centers. Sliding door pulls are recessed.
 2. Base unit hinges to be stainless steel, institutional type with a five-knuckle, bullet-type barrel. Hinges shall be attached to both door and case with heavy steel screws through each leaf. Welding to doors or case is not acceptable.

CABINET SPECIFICATIONS - SHORT FORM

3. Door catches to be nylon roller catch type. Use of an active knob and up-and-down bolt assembly will be acceptable only on such special units as solvent storage cabinets or metal floor cases; doors on such units will be locking type.
4. Shelf clips for adjustable shelves shall be nickel-plated steel. A channel shall be provided to support the half-depth shelves.
5. Sink supports shall be of the hanger type, suspended from the top side horizontal 1-1/2" Unistrut rails of the cabinets by four (4) 1/4" rods, threaded at the bottom and offset 1/4" at top to hang from full-length support angles at side rails.

4. TRIM

- A. Base molding to be black vinyl, sufficiently pliable to permit cementing tightly against cabinet base and floor line to provide a watertight seal. Molding shall be covered at bottom, 4" high and shall be applied continuously around base of cabinets and cases after installation and leveling to cover any shims and to effect floor seal.

5. FINISH

- A. A multi-step finishing process is used to prepare cabinets for painting.
 1. Phosphatizing Process: The units shall be given a pre-paint treatment to ensure excellent paint adhesion and to aid in the prevention of corrosion. Complete cleaning of the metal shall be accomplished by the use of an alkaline cleaner to remove oil, grease and soil. The units shall be rinsed, followed by the application of a phosphate coating to transform the metal surface into a new, non-metallic and conductive surface. The phosphate treated parts shall be rinsed in cold water.

The units shall have all unreacted chemical removed in a chromic acid seal treatment. The completely treated units shall be placed in dry-off oven at high temperature for five (5) minutes to dry the work and stabilize the complete phosphate treatment.
 2. Painting Process: Following the phosphate treatment, a full powder coating of specially formulated acrylic finish shall be applied and baked on at high temperature for fifteen (15) minutes, then cooled to produce optimum coating properties.
 3. Colors: 16 Standard colors available:

Code	Name	Code	Name
A	Champagne	J	Stone Gray
B	Black	L	French Gray
C	Fawn Beige	M	MacBick Beige
D	Velvet Beige	O	Rio Blue
F	Bankers Gray	V	Navy Blue
G	Desert Sage	W	Federal Blue
H	Arctic Blue	Y	Burgundy
I	Model Gray	Z	Wedgewood Blue

*Custom colors or color matching is available upon request.