

SECTION 10 51 13 (10500)

METAL STORAGE FURNITURE

PERFIX PREMIUM METAL STORAGE FURNITURE - SERIES 52

PART 1 - GENERAL

1.1 OBJECT

This section describes the requirements for the supply, manufacture, delivery and, when required in the project, installation of fully welded PERFIX Series 52 metal storage furniture. It establishes the minimum requirements for design, manufacturing, materials, finish, accessories and quality control.

1.2 DESCRIPTION OF SUPPLY

The supply includes factory-assembled units as well as the components and accessories specified on the drawings, including side frames, tops, rear panels, bottoms, double-wall doors, inner door panels, hinges, shelves, hooks, locking systems, recessed bases, sloping tops and numbered plates.

1.3 AREAS OF APPLICATION

Series 52 is premium, fully welded metal storage furniture designed for projects requiring durable construction, refined aesthetics, safe surfaces, and seamless integration into professional environments. Its design offers adaptable configurations ranging from one (1) to six (6) compartments in height, meeting a variety of functional and architectural requirements.

1.4 QUALITY AND MANUFACTURING

PERFIX applies a quality management system established in accordance with ISO 9001:2015. The units are manufactured in Canada from commercial-grade cold-rolled steel. Assemblies are made using spot welding and MIG welding.

1.5 DOCUMENTS TO BE SUBMITTED

- Technical data sheets and dimensions of the specified product.
- Selected colors and finishes.
- Selected accessories and locking options.
- Shop drawings when required for the project.

1.6 HANDLING AND STORAGE

The units must be handled and stored in a manner that preserves their alignment, finish and components until installation.

1.7 WARRANTY

Products manufactured by PERFIX are warranted against manufacturing defects for a period of one (1) year from the invoice date.

PART 2 - PRODUCTS

2.1 MANUFACTURER

Design basis: PERFIX INC., Series 52. Fully welded metal storage furniture.

2.2 GENERAL CONSTRUCTION

The unit is constructed without bolts for structural assembly. All accessible edges are smoothed and must be free of roughness that could injure users or damage clothing. Components are assembled using spot welding and MIG welding.

2.3 MATERIALS

Steel sheets and strips are commercial-grade cold-rolled steel. Thicknesses are expressed according to the M.S.G. gauge system used in the manufacturer's technical documentation.

2.4 COMPONENT THICKNESS

Element	Gauge	Material	Ref.
Side frame	16	C.R.S.	1
Top	20	C.R.S.	2
Rear panel	20	C.R.S.	4
Bottom	16	C.R.S.	5
Door	20	C.R.S.	6
Inner door panel	20	C.R.S.	7
Hinges	14	C.R.S.	8
Shelf	20	C.R.S.	10
Recessed base	16	C.R.S.	11
Sloping top	20	C.R.S.	12

C.R.S.: Cold-Rolled Steel.

2.5 STEEL SHEET THICKNESS AND TOLERANCE

Gauge	Average thickness (in.)	Tolerance (+/- in.)
12	0.105	0.009
13	0.090	0.007
14	0.075	0.006
15	0.067	0.005
16	0.060	0.005
17	0.054	0.005
18	0.048	0.004
19	0.042	0.004
20	0.036	0.004
21	0.033	0.003
22	0.030	0.003
23	0.027	0.003
24	0.024	0.003

2.6 DIMENSIONS AND CONFIGURATIONS

Characteristic	Documented availability
Width	8 in. to 24 in.
Depth	12 in. to 32 in.
Height	12 in. to 84 in.
Number of doors in height	1 to 6
Number of units	Single

2.7 STANDARD ACCESSORIES

Configuration	Documented standard accessories
1 door in height	1 shelf, 3 hooks, key lock
2 doors in height	2 hooks, key lock
3 to 6 doors in height	Key lock

2.8 OPTIONS

Depending on project requirements, Series 52 may include numbered plates, a recessed base, a sloping top, a coat rod and other accessories offered in the product guide. A handle is available as an option, with selections determined by the manufacturer's current offering.

PART 3 - DESCRIPTION OF COMPONENTS

3.1 SIDE FRAME (1)

The side frame is constructed from a single piece. The door is surface-mounted on the frame and, when closed, rests against pads or stops attached to the frame. The sides are welded to the rear panel.

3.2 TOP (2)

The top is made from a single piece. The rear and sides are folded down at 90 degrees.

3.3 REAR PANEL (4)

The rear panel is made from a single piece and welded inside the folds of the sides and top. For configurations with multiple divisions, the rear panel is supported by the interior divisions.

3.4 BOTTOM (5)

The bottom is made of 16 gauge steel. The rear and sides are folded at 90 degrees. The bottom is equipped with four (4) levelers.

3.5 DOOR (6)

The door is of double-wall construction and is surface-mounted on the frame. The inner and outer panels are securely welded. The manufacturer's documentation offers door options in steel, melamine, laminate and genuine wood, depending on the product's requirement.

3.6 INNER DOOR PANEL (7)

The inner door panel is assembled to the outer panel using MIG welding.

3.7 HINGES (8)

The hinges are European-style and incorporate a soft-close mechanism. They are screwed to the frame and allow a 110-degree opening. Doors over 48 in. high are equipped with three (3) hinges; doors under 48 in. high are equipped with two (2) hinges.

3.8 SHELF (10)

The rear and sides of the shelf are folded down at 90 degrees. The front edge is reinforced with successive folds to increase rigidity.

3.9 RECESSED OR FULL BASE - OPTION (11)

The base consists of a 4 in. high U-shaped steel frame assembled by spot welding. The front is recessed. The bearing surface is smooth and free of roughness that could damage the floor covering. Series 52 recessed bases are equipped with leveling glides.

3.10 SLOPING TOP - OPTION (12)

The sloping top is constructed from a single piece, folded at the front, rear and sides to allow attachment to the unit. Its front edge is designed to cover the top of the door. The sloping top is secured to the unit with rivets.

3.11 NUMBERED PLATE - OPTION (13)

The plate is made of black plastic with engraved white lettering. It is recessed and securely fastened to the door with rivets.

3.12 HANDLE - OPTION (14)

The handle is optional for Series 52. Available selections are determined according to the project and the manufacturer's current offering.

3.13 HOOKS (15)

The hooks are made of 14 gauge flat steel and welded to the walls. Their ends are rounded.

Configuration	Standard hooks
1 door in height	3 single hooks: 2 side hooks and 1 centered on the rear panel
2 doors in height	2 single hooks on the side walls
3 to 6 doors in height	No standard hooks

3.14 RETAINING DEVICE (16)

Each door is held closed by the spring pressure generated by the European-style hinge.

PART 4 - FINISH AND QUALITY CONTROL

4.1 SURFACE PREPARATION

Before finishing, the units are thoroughly cleaned to receive the paint coating.

4.2 FINISHING

The finish consists of quality powder coating. After application, the furniture is oven-baked to obtain a hard, durable and uniform surface.

4.3 PAINTING

The paint is baked at approximately 375°F. The documented gloss level is 40% to 45%. A range of colors is available according to the manufacturer's product guide.

4.4 QUALITY ASSURANCE

PERFIX operates under a quality system established in accordance with ISO 9001:2015 to ensure manufacturing consistency and product quality.

4.5 VISUAL AND FUNCTIONAL CRITERIA

Before delivery, the products must be free of hazardous edges and must exhibit welded construction, a uniform finish and proper operation of doors, hinges, locks and accessories. The levelers must allow adjustment of the furniture during installation.

PART 5 - INSTALLATION, ACCEPTANCE AND MAINTENANCE

5.1 INSTALLATION

Install the units in accordance with the shop drawings and project conditions. Level the units using the integrated levelers and ensure alignment of doors and groups of units.

5.2 DELIVERY INSPECTION

- Quantities and configurations.
- Dimensions.
- Colors and finishes.
- Specified accessories.
- No visible damage due to transport.

5.3 ACCEPTANCE

The units must be clean, aligned and free of visible damage. Doors must open and close properly; soft-close hinges, locks and accessories must operate as intended.

5.4 MAINTENANCE

Clean in accordance with the instructions provided in the appendix.

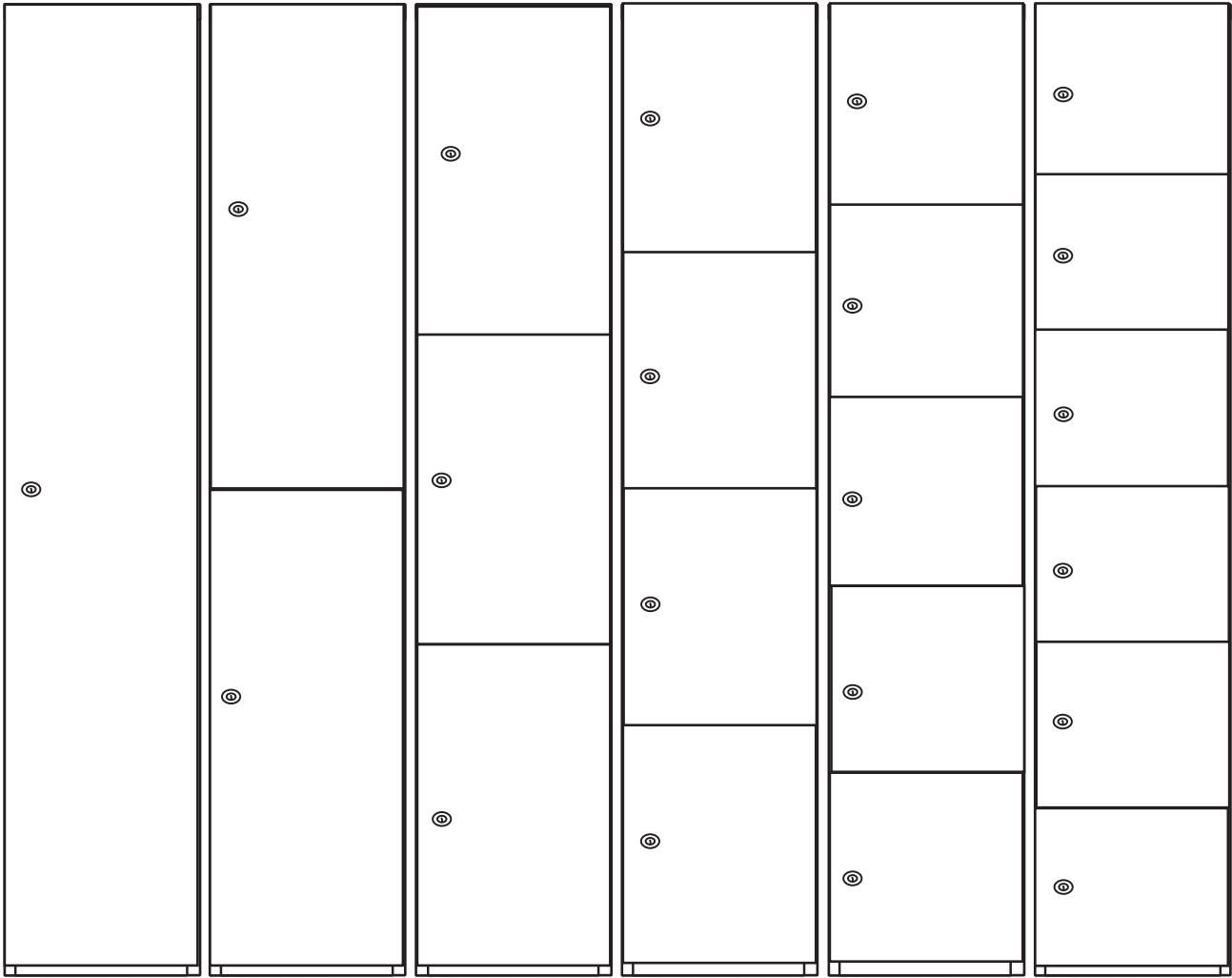
5.5 DOCUMENTS TO BE SUBMITTED AT THE END OF THE WORK

- Technical documentation for the installed product.
- Available maintenance instructions.
- Warranty documentation.
- Manufacturer's after-sales service contact information.

END OF SPECIFICATION

PERFIX INC. - Fully welded metal storage furniture - Series 52 - Made in Canada - Boisbriand (Quebec), Canada.

FURNITURE SERIE 52 / “EVOLUTION”



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Maintenance of the metal furniture

1	Do not vaporize water directly on the metallic furniture. A detailed attention must be taken at the time of the cleaning of the floors so that there is no water splashed or chemicals of all kinds on the furniture. If the furniture is sprinkled with some products that it is, dry it immediately.
2	Clean the furniture with a soft cloth and soap (e.g.: soap for car). To dry the surface, use a clean and soft cloth.
3	Touch-up paint in aerosol is available for scratched surfaces. Communicate with our client services department to order some.

Application of painting in aerosol

A	Sand the area to be retouched gently.
B	Make sure the surface is clean and free from any dirtiness.
C	Apply painting by thin layer.
D	Await the complete drying of the first coat of paint. Apply as many coats of paint as necessary.

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