

LOCKERS

TECHNICAL SPECIFICATIONS

50 SERIES

“NOVA” LOCKERS

ALL WELDED

***NOTE: SHOP
DRAWINGS
TECHNICAL
SPECIFICATION LIST
OPTIONS, GAUGES
AND SIZES FOR
PURCHASED
LOCKERS***



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1. Application

The object of the present specifications is to describe minimum technical requirement

2. Applicable Publications

Canadian General standards board (CGSB):

1-GP-12-Standard paint colours

1-GP-300-Applied coating system

ASTM - A366: Specifications for steel, carbon, cold-rolled sheet of commercial quality

3- Classification

Types 1,2,3,4,5, or 6 (number of tiers) see table 3

Classes 1,2,3,4, or 5 (number or units) see table 3

4- Technical requirements

4.1- Generalities

The construction is all welded, without bolts. All burrs are removed.

4.2- Material

Steel sheets and strips are cold-rolled and of commercial quality. Average thicknesses and tolerances are shown in Table 1 in accordance with "The U.S. Manufacturer's standard gauge numbering system" (MSG)

Material used for locker fabrication is as described in Table 2.

4.3- Construction Door frame (1)

The frame strength is equivalent in thickness to a (no 16 MSG) steel sheet the full length of the door. The frame vertical members formed in a box channel with corner joints securely spot-welded.

Top (2)

Lateral and back ends are bent at 90° downside on a minimum width of ¾" and welded to the body. The 90° double flange with riveted bumpers forms a full length door stopper.

Sides (3)

Sides are welded to the body by offset or single joints. Except for offset joints, the rear end of the sides is bent at 90° inwards on a minimum width of ¾".

Back (4)

The back, using a single steel sheet, is welded to the body by offset or single joints. The back is assembled inside the side flanges. Interior back parts are bent at 90° inwards on a minimum width of ¾".

Table 1
Steel Sheets thicknesses and tolerances

Gauges	Average thicknesses (inches)	Tolerances (+/- inches)
12	.105	.009
13	.090	.007
14	.075	.006
15	.067	.005
16	.060	.005
17	.054	.005
18	.048	.004
19	.042	.004
20	.036	.004
21	.033	.003
22	.030	.003
23	.027	.003
24	.024	.003

Bottom (5)

The bottom is made from continuous process galvanized steel 0.30 (±0.05) ounce by ft², sloped and perforated for draining. The bottom front is in double flange with reveted bumpers forming a full length door stopper. The bottom is securely spot-welded to the body. 16 Gauge Locker Bottom available if required

Shelf (10)

The back and sides of the shelf are bent at 90° downside for assembling. The front is in double flange at 90° with ends at 180° on a minimum width of ¾".

Coat hooks

Lockers are equipped with at least three (3) single-prong, ball-ended hooks or one double-prong in the centre back and two (2) single-prong in the centre of each side panel. Hooks are ¼" minimum steel rods painted to the locker colour. The are securely spot-welded to the body.

Door (6)

The door being flush-fitted into the frame, the clearance between the door and the frame does not exceed 5/32" when the locker is at floor level. All apparent joints are finished with accuracy. The clearance between bent steel sheets must be equal or less than 1/32". The door must open without touching any part of the frame.

The door is full length double wall construction and securely welded.

Interior (7)

The inside door panel is arc-welded with the outside panel. End weldings are located at ¾" of the corners.

Ventilation

Ventilation openings with 5.8in² empty spaces are perforated in the two side panels.

Hinges (8)

The doors are hung by three (3) at least 2 ½" in length, concealed-leaf fast-pin five (5) knuckle hinges to permit doors to open at 180°.

Continuous Piano Hinge available

Door handle

The Stainless Steel handle depth offers a good grip and permits the hasp to pass through for use of padlock. No part of the handle projects more than 1/16" beyond the door face.

Number plate optional

Black plastic plates are numbered with white engraved numbers. Each plate is flush-fitted into the door and securely fixed with pop-rivets. Aluminum Number plates available

Latch

Each handle is equipped with a friction-spring closing latch. In pulling the door, the latch is set in motion. The latch can not be hand-removed and is designed to keep the door closed without padlocks at all time.

Hasp (9)

The heavy duty hasp is arc-welded to the interior flange of the frame and is sloped for easy use of padlock. The hasp and the padlock is flush-fitted with the outside door face. Hasp available 5 mm double reinforced by request.

Bumpers

Two (2) ½" dia. Polythene bumpers are fixed to the top and the bottom of the locker door stopper by pop-rivets.

Recessed base (11) optional

The base is made of a 4" x ¾" "U" shaped steel frame assembled by spot-welding. The front of the base is recessed.

Sloping top (12) optional

The sloping top is bent at angle in the front and back to be fixed to the body. Bent steel obturators are used to close opening at each row end. The sloping top is held by supports at every three (3) feet. The sloping top, obturators and supports are fixed to the body by pop-rivets.

Table 2 shows steel gauges available for each component, other gauges available when specified

Table 2

Components	Gauges	Gauges	Gauges	Material	
Frame	16 MSG	16 MSG	16 MSG	C.R. Steel.	1
Top	22 MSG	16 MSG	14 MSG	C.R. Steel	2
Sides	24 MSG	16 MSG	14 MSG	C.R. Steel	3
Back	24 MSG	16 MSG	14 MSG	C.R. Steel	4
Bottom	22 MSG	16 MSG	14 MSG	Galv Steel.	5
Outer Door	20 MSG	16 MSG	14 MSG	C.R. Steel	6
Inner Door	24 MSG	22 MSG	16 MSG	C.R. Steel	7
Hinges	14 MSG	16 MSG	18MSG	C.R. Steel	8
Hasp	12 MSG	11 MSG	8 MSG	C.R. Steel	9
Shelf	22 MSG	16 MSG	14 MSG	C.R. Steel	10
Recessed Base	20 MSG	18 MSG	16 MSG	C.R. Steel	11
Sloping Top	20 MSG	18 MSG	16 MSG	C.R. Steel.	12

4.4- Assembly

All welds, by means of spot or arc-welding, are uniform in quality, clean and free from any defects.

4.5- Surface finish

Steel sheets and strips are sufficiently clean and flat to avoid any detrimental effect to the appearance and construction of the lockers. The surface is suitably prepared for application of the paint coating. The steel is corrosion-treated by means of phosphate processing.

Painting (baked enamel)

Finishes and proceedings are in accordance with CGSB-1-GP-12 specifications. Average thickness (five (5) reading per surface) of paint dry coating is at least 1 mil. Dry on all apparent surfaces. It is not less than 0.6 mil. Dry on all other surfaces. Paint dry coating thickness reading are in accordance with CGSB-1-GP-300 specifications.

Anti Graffiti Paint Available when Specified



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5- Disposition towards quality control

Lincora subscribes to the CGSB program of quality control complying with ISO 9002 specifications, thus guaranteeing superior quality in all its products.



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Table 3
Available standard dimensions for lockers

Parameters	Dimensions
Width	8" to 24"
Depth	8" to 36"
Height (does not include the height of the base or of the sloping top)	12" to 96"
Number of tiers	1" to 16"
Number units	single, double, triple , quadruple
Number of shelves	As required



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