

STANDARD DURA - 52 SERIES WITH FULL HEIGHT HANDLE

1. GENERAL**1.1. Section includes**

- .1 Metal Locker
- .2 Option: Changing room benches
- .3 Option: Lockers for persons with reduced mobility available on request (ADA)

1.2. Conditions

- .1 All general terms and conditions, special conditions and supplementary instructions and addenda form an integral part of this section.
- .2 This section and related drawings are to be read and reviewed in conjunction with sections and drawings describing works complementary, preliminary or related to the work described.

1.3. Scope of work

- .1 The contractor/subcontractor shall provide all materials, equipment, labor and services required for the complete execution of the metal locker work in such a manner that the work fully fulfills its intended purpose.
- .2 The work in this section includes, but is not limited to, the supply and installation of the following elements:
 1. Metal lockers.
 2. All other adhesives, anchors, fasteners, moldings, and other accessories necessary to complete the work in this section.
- .3 For optimization purposes, Lincora reserve itself the right to produce the lockers as single or banks of two or three units.

1.4. Related sections

- .1 Sections or divisions for coordination:
 - .1 Section XX XX XX – (Note: Add here all the related sections in the project)

1.5. References

- .1 Work governed by this section shall comply with the applicable sections of the most recent version or revision of the standards, codes and regulations listed below or referenced in this section.
- .2 ASTM A366 Standard Specification for Commercial Steel (CS) Sheet.
- .3 ASTM A653 / A653M G30 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized)

1.6. To be submitted

- .1 Submit the required documents and samples in accordance with the requirements of the general and special conditions.

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- .2 Product Data Sheets:
 - .1 Submit required data sheets and manufacturer's documentation for metal lockers. Data sheets shall include product specifications, performance criteria, dimensions, stresses and finish.
- .3 Shop drawings:
 - .1 Shop drawings shall show type and category of lockers, metal thickness, methods of fabrication and assembly, details of locker blocks, tops, coat bar, coat hooks, shelves, bases, trim, filler panels, number plates, side/bottom panels, doors, handles, locking mechanism, ventilation, finishing.
- .4 Samples: Submit two (2) 50 mm x 50 mm color samples for approval.

1.7. Quality Assurance

- .1 Manufacturer: Company specialized in the manufacturing of the products described in this section and having ten (10) years of documented experience.
- .2 Manufacturer: Company with ISO 9001 certification.
- .3 Installer: Trained and certified by the manufacturer.
- .4 Manufacturer's instructions:
 - .1 Submit installation instructions provided by the manufacturer.

1.8. Warranty

- .1 Lockers are warranted against defects in quality of materials and workmanship (including finish) for a period of ?? years from the date of final acceptance of the work.

1.9. Transport

- .1 Transport of the equipment in accordance with the manufacturer's written requirements and instructions.
- .2 Storage and Handling:
 - .1 Store lockers off the floor, indoors in a clean, dry, well-ventilated area in accordance with the manufacturer's recommendations.
 - .2 Store lockers in a manner that protects them from marks, scratches and scuffs.

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2. PRODUCTS**2.1. Manufacturers**

- .1 Accepted Manufacturers:
 - .1 Lincora, located at 6265 Notre-Dame E. Montreal, QC, Canada H1N 2E9; Telephone: 1-800-564-9001, Email : info@lincora.com.

2.2. Substitutions

- .1 Unless specifically stated otherwise in this section, all materials used to perform the work in this section shall be sourced from a single manufacturer.
- .2 Only fully welded metal lockers, with no perforations on the panels for assembly, with the following specifications and advantages in this list of specifications will be approved as equivalent.

2.3. All welded metal lockers

- .1 Materials:
 - .1 Premium quality cold rolled standard steel ASTM A366 with no surface imperfections, fully welded, with no perforations on the panels for assembly, non-riveted and finished with a baked enamel paint finish.
 - .2 Acceptable products:
 - .1 Standard Dura – 52 Series with full height handle by Lincora.
 - .2 Or welded equivalent locker.
- .2 Standard version:
 - .1 Dimensions:
 - .1 Width: 12" (304.8mm)
 - .2 Width: 15" (381mm)
 - .3 Width: 18" (457.2mm)
 - .4 Width: 24" (609.6mm)
 - .5 Depth: 12" (304.8mm)
 - .6 Depth: 15" (381mm)
 - .7 Depth: 18" (457.2mm)
 - .8 Depth: 24" (609.6mm)
 - .9 Height: 46" (1168.4mm) – Comes in one Tier only.
 - .10 Height: 60" (1524mm)
 - .11 Height: 72" (1828.8mm)
 - .12 Options: Custom dimensions available.
 - .13 Tier: Single
 - .14 Tier: Double
 - .15 Tier: Triple
 - .16 Tier: Four
 - .17 Tier: Five. Available for 60" (1524mm) or more locker height.
 - .18 Tier: Six. Available for 72" (1830mm) or more locker height.
 - .2 Assembly: welded construction, with bends that form a continuous door strike on 3 sides.
 - .3 Frame: 16-gauge (1.519mm) sheet steel. The frame consists of a steel strip folded to form a 90-degree triple folded edge. In the case of the left frame, it is finished with an upside-down fold and folded back on itself to provide full height support for the door. The four corners are joined by means of spot welds.

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- .4 Hasp: 11-gauge (3.030mm) steel sloped at 45 degrees, welded to the frame, enabling easier use of padlock.
- .5 Latch: When closed, the door is held in place by a permanent neodymium magnet that is riveted to the hasp.
- .6 Bottom: made 22-gauge (0.912mm) galvanized steel, ASTM A653 / A653M G30, sloped and perforated for drainage. The lateral and back flanges are bent 90° downward and the front flange of the bottom is double layered to equal a 16-gauge (1.519mm) thick lower frame. The front end is made with a sequence of 4 bends to create a full width door strike fitted with a riveted door bumper. The bottom is welded to the body.
- .7 Top: made of 20-gauge (0.912mm). The lateral and back flanges are bent 90° downward and welded to the body. The front flange of the top is double layered to equal a 16-gauge (1.519mm) thick upper frame. The front third flange also creates a full width door strike fitted with a riveted door bumper.
- .8 Back: made of 22-gauge (0.759mm) metal sheet.
- .9 Sides: made of 22-gauge (0.759mm) metal sheet.
- .10 Types of door:
 - .1 Standard: The outer panel, made of 20-gauge (0.912mm) steel, ends with two 90-degree folds on the hinge side and three 90-degree folds on the handle side. One 90-degree fold terminates at the top and bottom edge of the door. The interior panel, made of 22-gauge (0.759mm) steel, is solidly attached to the exterior panel by a MIG welding process. Doors are perforated for ventilation. The full height handle has two verticals 90-degree folds and ends with a 90-degree fold on the top and bottom edge. A vertical fold terminates the handle on the exposed edge to ensure a secure grip without a sharp edge. An aluminum plate glued to the inside of the handle protects the hasp's perimeter.
 - .2 Heavy-Duty: The outer panel, made of 16-gauge (1.519mm) steel, ends with two 90-degree folds on the hinge side and three 90-degree folds on the handle side. One 90-degree fold terminates at the top and bottom edge of the door. The interior panel, made of 18-gauge (1.214mm) steel, is solidly attached to the exterior panel by a MIG welding process. Doors are perforated for ventilation. The full height handle has two verticals 90-degree folds and ends with a 90-degree fold on the top and bottom edge. A vertical fold terminates the handle on the exposed edge to ensure a secure grip without a sharp edge. An aluminum plate glued to the inside of the handle protects the hasp's perimeter.
 - .3 Super Heavy-Duty: The outer panel, made of 14-gauge (1.90mm) steel, ends with two 90-degree folds on the hinge side and three 90-degree folds on the handle side. One 90-degree fold terminates at the top and bottom edge of the door. The interior panel, made of 16-gauge (1.159mm) steel, is solidly attached to the exterior panel by a MIG welding process. Doors are perforated for ventilation. The full height handle has two verticals 90-degree folds and ends with a 90-degree fold on the top and bottom edge. A vertical fold terminates the handle on the exposed edge to ensure a secure grip without a sharp edge. An aluminum plate glued to the inside of the handle protects the hasp's perimeter.

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- .11 Type of door perforation:
 - .1 Standard: On the top and bottom in a rectangular shape, 0.8012" (20.63mm) x 0.250" (6.35mm).
 - .2 Diamond: On the top and bottom, 0.812" (20.63mm) x 0.250" (6.35mm).
 - .3 Perforated: On the top and bottom of a circular shape, 0.5" (12.7mm) in diameter.
 - .4 For Mechanical Ventilation: Only on the bottom of a rectangular shape, 0.812" (20.63mm) x 0.250" (6.35mm).
- .12 Type of hinge: three hinges, each having 14-gauge (1.90mm), five knuckles hinges, allowing 180° opening.
 - .1 Two hinges for door under 46" (1168.4mm) height.
- .13 Shelf: for one tier is 22-gauge (0.759mm) steel with 3 front folds and the third is flattened to eliminate sharp edge. The top shelf is welded at 10" (254mm) from the top.
- .14 Shelf: in option for more than one tier.
- .15 Shelf: different number of shelves and heights available on request.
- .16 Hooks: With rounded edges, made of flat steel 1/2" (12.7mm) by 1/8" (3.175mm) welded on plates which are then spot-welded to the sides and back panels.
 - .1 Single-tier locker are made of one shelf with three coat hooks under it.
 - .2 Double-tier lockers shall have three coat hooks per compartment.
 - .3 Triple-tier lockers have two coat hooks per compartment.
 - .4 Four tier and more: no hooks.
- .17 Bumpers: Polyethylene riveted to top and bottom of the inside frame.

2.4. Finishes

- .1 Preparation: The steel is polished until all imperfections (scratches, scuffs, dents) that affect the appearance and application of the paint are removed. The steel is adequately cleaned and protected against corrosion with a phosphate treatment.
- .2 Finish: Baked enamel coating.
 - .1 Option: Powder coated.
- .3 Dry sheet thickness shall be a minimum of 0.025mm (1 mil) on all exposed surfaces and 0.015mm (0.6 mil) on other surfaces
- .4 Standard Color:
 - .1 9011 – White
 - .2 9069 – Taupe
 - .3 9008 – Beige Nevada
 - .4 9014 – Medium Grey
 - .5 9070 – Pearl Grey
 - .6 9064 – Dark Grey
 - .7 9067 – Black
 - .8 9110 – Red
 - .9 9049 – Dark Blue
 - .10 9035 – Ocean Blue
 - .11 Options: RAL, SICO, Benjamin Moore, Sherwin Williams or standard color from the other locker manufacturers.

2.5. Optional accessories

- .1 Recessed base: 4" (100.6 mm) or 6" (152.4mm) high, recessed by 3" (76.2 mm), made of 18-gauge (1.214mm) galvanized steel, ASTM A653 / A653M G30, in black or the same finish as the locker.
- .2 Sloped top made of 20-gauge (0.912mm) sheet metal reaching 6" (152.4mm) in height.
- .3 Locker and door: All galvanized steel, ASTM A653 / A653M G30, construction.
- .4 Door Stiffeners: Welded full height.
- .5 Coat bar: 0.75" (19.1mm) diameter, full width, made off galvanized metal
- .6 Number plates:
 - .1 Black plastic.
 - .2 Aluminum.
- .7 Adjustable shelf.
- .8 Ball hooks, simple or double.
- .9 Type of hinge: 16-gauge (1.519mm) continuous piano hinge.
- .10 Bottom plastic tray.
- .11 Locking mechanism:
 - .1 Standard padlock.
 - .2 Key lock.
- .12 Oak top bench with metal black (or matching locker finish) legs.
- .13 Maple top bench with metal black (or matching locker finish) legs.
 - .1 Thickness: 1.25" (31.75mm)
 - .2 Depth: 12" (304.8mm)
 - .3 Length: from 36" to 96" (914.4 mm to 2438.4mm)
 - .4 Option: Round legs.
 - .5 Option: Non painted aluminum legs.
- .14 Integrated bench with legs to the locker
- .15 Finishing box end panel.
- .16 Plenum (dimensions upon request).
- .17 Recessed molding.

3. EXECUTION

3.1. Installation

- .1 Assemble and install lockers in accordance with the manufacturer's written instructions.
- .2 Secure lockers to the cleats and nailing strips.

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- .3 Install number plates and locking devices.
- .4 Optional installations:
 - .1 Install wall trim around the recessed locker blocks.
 - .2 Install filler panels (false fronts) where indicated and where there are obstacles.
 - .3 Install finished bottom and end panels on all sides.

3.2. Adjustment

- .1 Adjust the lockers and their components to work properly, in accordance with the manufacturer's written instructions.
- .2 Precisely adjust and lubricate moving parts for smooth operation.

3.3. Cleaning

- .1 Cleaning during work: Perform cleaning work in accordance with the requirements of the General and Special Conditions.
 - .1 Leave the premises clean at the end of each working day.
 - .2 Clean surfaces with a damp cloth and an approved non-abrasive cleaning product in accordance with manufacturer's instructions.
- .2 Final Cleaning: Remove excess material(s), waste, tools and equipment from the job site in accordance with the requirements of the general and special conditions.

END OF SECTION