

Wire Mesh Lockers / Metal Cages

**1.0 General**

**Summary**

1. Provide all materials and fasteners needed for installation of wire mesh bike and storage lockers, including wall panels, ceiling panels and doors equipped with a means of locking with a user-supplied padlock.

**Informational Submittals**

2. Make submittals in accordance with Section / Submittals.
3. Product Information: Submit manufacturer's product sheets for mesh lockers. Include information on the materials and hardware used.
4. Shop Drawings: Indicate the size and location of each locker panel and door. Note elevations. Include manufacturer's product literature.
5. Confirm all dimensions with site conditions prior to fabrication.

**2.0 Products**

**Wire Mesh Lockers**

Single tier lockers composed of pre-fabricated panels, doors and ceilings. Components are made of:

- **Frames:** 12-gauge steel (2.66 mm thick) formed into 1.5" x 1.5" angles.
- **Infill Wire Mesh:** 10-gauge (3.43 mm diameter) steel wire welded into a repeating 2" x 2" square pattern. Trimmed as required.
- **Doors** shall also have:
  - 1 striker
  - 2 x padlock hasp
  - 2 x non-removable pin hinges welded to the frame
  - 2 x 12ga steel angle bar welded to frame and mesh and running from top 2 corners to the opposing center of the door
  - Padlocks by end-user
- Lockers shall be no higher than 18" (450 mm) below sprinkler deflectors and/or structure above.

### **Locker Fabrication**

1. Wire mesh lockers and accessories to be produced by a locker-specialist firm.
2. Locker and door frames to be laser cut for precision.
3. Panel and door connection holes to be laser-cut for precision.
4. Weld panels square and mesh, hinges and cross-bars securely.
5. Fabricate with mitered and fully welded corners. Grind smooth any sharp metal edges.
6. Employ laser welding for cleaner welds and to reduce spatter.
7. Industrial wash clean and follow with a phosphate dip.
8. Finish with a baked enamel powder coat in colour RAL 7037.

### **Packaging**

- Pack panels and doors on their side so they do not deform.
- Securely strap the bundles to pallets suitable for commercial transport.
- Protect the product from dirt and water with a waterproof plastic overwrap.
- Label each pallet with manufacturer's name, project name, order number and pallet number.

### **Long-term Storage and Site Delivery**

1. Store materials in dry in a clean, dry, well-ventilated area.
2. Protect lockers from nicks, scratches and collision.
3. Deliver materials to site in original factory packaging and labelling.

### **Accepted Products**

Wire Mesh lockers of specified size and height from **Canada Locker Systems Inc.**

[www.CanadaLockers.com](http://www.CanadaLockers.com)

## **3.0 INSTALLATION**

1. Assemble lockers in accordance with reviewed shop drawings and manufacturer's instructions.
2. Level and verify alignment with the elevation. Adjust as required using provided brackets.
3. Securely fasten lockers to the ground and wall using fasteners provided by the manufacturer.
4. Attach ceilings to walls and wire mesh side panels per manufacturer's instructions.
5. Attach doors using provided fasteners and check for correct operation. Attach hasps.
6. Conceal scratches or nicks using touch-up paint as required.