



Heavy Duty Corridor (HDC) Knocked-Down Lockers

Part 1 General

- 1.1 **Section Includes:** *(specify as much information as possible here)*
Knocked Down Metal Lockers – (Corridor, Wardrobe)
- 1.2 **Related Sections:**
List all sections of other work that relate to lockers such as: bases, metal fabrications, wall finishes, etc.
- 1.3 **References:**
List only those references that pertain to the material or installation standards as they pertain to this specific project
- 1.4 **Submittals:**
- A. Submit under provisions of Section _____ *(List the Section pertaining to submittals)*
 - B. **Product Data:**
Manufacturer's data sheets on each locker type to be used including:
 1. Preparation instruction and recommendations
 2. Installation methods
 - C. **Shop Drawings:**
Provide drawings that detail the plan, section and elevation views of each locker type specified. Coordinate quantities, sizes, and locations as they pertain to the contract drawings. Indicate number of lockers within each bank.
 - D. **Numbering:**
Locker numbering sequence shall be provided by the approving authority and noted on the approved shop drawings.
 - E. **Color Charts:**
Provide two sets of manufacturer's standard color charts along with shop drawings.
- 1.5 **Quality Assurance:**
Provide each type of metal locker as produced by a single manufacturer, including necessary mounting accessories, fittings and fastenings.
- 1.6 **Project Conditions:**
- A. Store lockers and accessories in manufacturer's unopened packaging until ready for installation. Lockers shall be protected from damage during storage.
 - B. Lockers shall not be delivered until building is enclosed and environmental conditions (temperature, humidity and ventilation) are internally controlled.
- 1.7 **Warranty:**
Lockers are covered against all defects in materials and workmanship excluding finish, damage resulting from deliberate destruction and vandalism under this section for a period of two years.

Part 2 - Products

2.1 Acceptable Manufacturers:

- A. Olympus Lockers & Storage Products Inc. – Heavy Duty Corridor (HDC) Knocked-Down Locker
- B. Products by other manufactures may be approved provided they meet or exceed every aspect of this Section. Approval process shall be defined in the General Conditions Section

2.2 Knocked Down Metal Lockers:

- A. **Tiers:**
Number of Tiers/Openings: 1, 2, 3, 4, 5, 6 or 7 Tiers (Lockers over 3 tier manufactured with box locker construction)
- B. **Sizes:**
Width 12, 15, 18 or 24", Other_____ x Depth 12, 15, 18 or 24", Other_____ x Overall Height 36, 48, 60 or 72", Other_____
- C. *Indicating quantities produces consistent pricing*

2.3 Fabrication:

- A. **Materials:**
All parts to be made from prime grade mild cold rolled sheet steel (unless indicated differently below) free from surface imperfections, and capable of taking on a powder coat finish.
- B. **Finish:**
Steel shall be cleaned with a phosphatizing and metal preparation process. Finish coat shall be a baked-on powder coat enamel with a 2-3 mil minimum thickness.
- C. **Color:**
Locker finish color - Color selected from manufacturers standard offerings or custom color as desired
All locker parts inside and out to be painted the same color
Optional: Two Tone paint – doors painted separate color from frame and body
- D. **Construction:**
Each locker to be knocked-down unit type and to have individual door and frame, top, bottom, back and shelves with common intermediate uprights separating units
 - 1. **Door Frame:**
All frames to be 16 gauge formed channel shapes, welded together to form continuous vertical door strikes. Multiple tier lockers to have cross frame members securely welded to vertical frame channels.
Steel Type: Cold rolled mild steel, Optional Galvannealed steel or Stainless steel
 - 2. **Door:**
All doors to be formed from one piece of 14 gauge steel with a single return on top and bottom along with a double return on vertical sides to form a channel. Channel shall be sufficient size to fully conceal lock bar. Lockers over 15" wide with heights 60" or 72" shall include an 18 gauge steel, welded, full height channel door stiffener.
Steel Type: Cold rolled mild steel, Optional Galvannealed steel or Stainless steel

Venting: Louvers top and bottom, Solid door panel or Mini/Security Louvers

Choose one option below:
 - No Door Stiffener or Inner Panel
 - Provide optional door stiffener as described below
 - Provide full height and width inner door panel as described belowDoor Stiffener - (*Standard on doors over 15" wide and 60" or 72" in height*)
Door Stiffener, full height, welded to back face of door

Full Width and Height Inner Door Panel – welded 18 gauge steel panel to inside face of door frame, creating a box construction with hollow void between inner and outer door panel. Hollow void to not include acoustical insulation (standard).

3. **Latch Mechanism:**

Choose one of the following:

a. **Recessed Gravity lift (Three Point Latching System):**

Latch system contains a lock bar installed inside the formed channel of the door. Lock bar secures door closed via contact with three heavy gauge steel, welded latch hooks on doors over 42" and two latch hooks on doors under 42". Nylon guides and clips prevent metal to metal contact for quieter operation. Lock bar shall connect to 14 gauge steel handle finger lift which protrudes through a 20 gauge, stainless steel recessed cup attached to the door. The exposed portion of the finger lift shall be encased in molded ABS thermoplastic to prevent metal to metal contact. Latch system shall accept either a padlock or built-in combination style lock. Stainless steel recessed cup shall be deep enough to prevent any lock style from protruding beyond the door face. Box lockers shall be equipped with a padlock hasp and stainless steel strike plate with an integral handle pull.

b. **Single Point:**

An 11 gauge steel frame hook will be welded to door frame opposite from the hinge side. Frame hook will have a padlock hasp that protrudes through a slot in the stainless steel recessed cup. Frame hook shall be designed so that it will also accept the Master lock 1690 built-in combination lock.

Note: Lockers over 3 tier provided with recessed cup and single point latch mechanism. Padlock hasp and door pull available option

4. **Top:**

This is the locker body top, not an accessory top such as slope top or boxed top. Single return flange on all four sides 24 gauge steel as described below, Optional 16 gauge steel

Steel Type: Cold rolled mild steel, Optional Galvannealed steel or Stainless steel

5. **Bottom:**

24 gauge steel, Optional 16 gauge steel. Single return flange all four sides.

Steel Type: Cold rolled mild steel, Optional Galvannealed steel or Stainless steel

6. **Shelves:**

(Standard on lockers 48" and over): Single return flange sides and back with double return flange on front 24 gauge steel, Optional 16 gauge steel

Steel Type: Cold rolled mild steel, Optional Galvannealed steel or Stainless steel

7. **Sides:**

24 gauge steel, Optional 16 gauge steel

Steel Type: Cold rolled mild steel, Optional Galvannealed steel or Stainless steel

8. **Backs:**

24 gauge steel, Optional 16 gauge steel

Steel Type: Cold rolled mild steel, Optional Galvannealed steel or Stainless steel

9. **Hinges:**

14 gauge steel, 2" high, 5 knuckle, full loop hinge securely welded to frame and riveted to inside of the door flange. Doors over 42" high shall have three hinges and all others two.

Optional: 16 gauge steel continuous piano hinge welded to door and riveted to door frame.

E. **Accessories:**

1. **Base:** *(Specify party responsible for bases)*

Choose one option below:

a. 18 gauge steel, 4" zee style base

b. 16 gauge steel, 4" zee style base

c. 14 gauge steel, 4" zee style base

d. 6" metal legs – No front and side close panels (standard)

Front and side closure panels (optional)

e. Wood base by section: _____

f. Concrete base by section: _____

If metal base is specified above, provide the following steel type:

Steel Type: Cold rolled mild, Optional Galvannealed or Stainless steel

2. **Accessory Tops:**

Select one option from below:

- a. No top separate from locker body top
- b. Slope top: 20, 18, or 16 gauge steel
- c. Finished flat top: 20 or 16 gauge steel
- d. Boxed top: 16 gauge steel

Steel Type: Cold rolled mild, Optional Galvannealed or Stainless steel

3. **Hooks:**

Lockers to have 2 single prong hooks, one on each side and one double ceiling hook centered on shelf/top. All hooks to be made of steel and zinc plated. Hook tips to be formed into a ball point. Hooks to be attached with 2 bolts or rivets. Other hook options available. Coat Rods/Hangers (optional)

4. **Locks:** *(Specify party responsible for locks and the type of lock desired)*

5. **Exposed Ends:**

Choose one option below:

- a. No ends separate from locker body side panel
- b. Boxed end panels: 16 gauge steel

Steel Type: Cold rolled mild steel, Optional Galvannealed steel or Stainless steel

6. **Trim and Filler Panels:**

Provide concealed method of anchorage

Steel Type: Cold rolled mild steel, Optional Galvannealed steel or Stainless steel

Steel Gauge: 16, 20 or 24 gauge steel

7. **Number Plates:**

Each locker to have polished aluminum number plates attached with two rivets.

8. **Optional Shelves:**

Lockers under 48" in opening height are required to have shelves: Yes or No

2.4 **Assembly:**

Lockers components shall be assembled using rivets or bolts and nuts that provide a locking mechanical connection.

Part 3 Execution

3.1 **Installation:**

Lockers to be installed in accordance with the manufacturer's approved drawings and assembly instructions. Install lockers plumb, level and flush. Anchor lockers to the floor and wall according to manufacturer recommendations. All fillers and sloped top to be installed with concealed fasteners. All joints at adjacent surfaces to be hairline or smaller.

3.2 **Adjustment:**

Adjust doors and latch mechanisms to operate as designed. Touch up scratches and abrasions with factory supplied paint to match original color(s) used on the lockers.

Note: Olympus Lockers and Storage Products, Inc. reserves the right to modify or change the design of locker components and/or specifications as required.