



## **Zeus – Internal Angle Iron Frame (Athletic) All-Welded Lockers**

### **Part 1 General**

**1.1 Section Includes:** *(specify as much information as possible here)*

All-Welded Internal Angle Iron Heavy Duty Metal Lockers (Athletic)

**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 ten years.

## Part 2 - Products

### 2.1 Acceptable Manufacturers:

- A. Olympus Lockers & Storage Products Inc. – Zeus – Internal Angle Iron Frame All-Welded Lockers
- 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 All-Welded 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:**  
Lockers to be all-welded construction assembled into banks of multiple lockers sharing a common back, tops, and bottoms. Quantity of lockers per bank dictated by size and project layout requirements.
  - 1. **Door Frame:**  
All frames to be 16 gauge formed channel shapes, welded together to form continuous vertical door strikes. Horizontal door strikes to be created by forming one piece locker top and bottom. **1" x 1" x 1/8" internal angle iron perimeter welded to interior of frame.** Lockers without four-sided door strike will not be acceptable. 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 Option 1:**  
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 with **1" x 1" x 1/8" internal angle iron perimeter welded to door.** 1 1/2" x 3/4" punched diamond perforations.  
**Door Option 2:**  
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. 1 1/2" x 3/4" punched diamond perforation.  
Steel Type: Cold rolled mild steel, Optional Galvannealed steel or Stainless steel  
Other Venting Options: Louvers or Mini Louvers
  - 3. **Latch Mechanism:**  
Choose one of the following:
    - a. **Three-Point/Three Sided Cremone Style Latch – Door Option 1**  
Steel handle welded to cremone type assembly with 3/8" diameter steel latching rods that engage top and bottom of locker frame. Center latch engages vertical door jamb providing 3 points of latching on 3 different sides.

b. **Single Point – Door Option 2:**

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

1. **Top:**

This is the locker body top, not an accessory top such as slope top or boxed top. 16 gauge steel as described below. Top to be formed with a front flange providing for a 3/4" top horizontal door strike. **1" x 1" x 1/8" internal angle iron perimeter welded to interior.** Lockers without a top horizontal door strike are not acceptable.

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

2. **Bottom/Tier Dividers:**

16 gauge steel. Single piece bottom must be formed to provide a 3/4" bottom door strike. **1" x 1" x 1/8" internal angle iron perimeter welded to interior on bottom only.** Lockers without a bottom door strike are not acceptable.

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

3. **Shelves:**

(Standard on lockers 48" and over): 16 gauge steel – welded to locker back and sides.

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

4. **Sides:**

16 gauge steel. **1" x 1" x 1/8" internal angle iron perimeter welded to interior of sides.** 1 1/2" x 3/4" diamond punched perforations covering entire surface of side panel. Optional: mini louver or solid panel available.

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

5. **Backs:**

16 gauge steel with **1" x 1" x 1/8" internal angle iron perimeter welded to interior of back.**

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

6. **Hinges:**

Standard:

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 ga. – No exposed fasteners  
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

## 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.