Poseidon Stainless Steel
Knocked-Down Lockers & All-Welded Lockers

Part 1 General

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

Knocked Down **(KD)** or All-Welded **(WU)** Stainless Steel Metal Lockers

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 **(KD)**, 10 years **(WU).**

Part 2 - Products

2.1 Acceptable Manufacturers:

A. Olympus Lockers & Storage Products Inc. – Poseidon Stainless Steel Knocked-Down or All-Welded 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 or 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 stainless sheet steel (unless indicated differently below) free from surface imperfections, and capable of taking on a powder coat finish.
a. 304 Stainless Steel
b. 316 Marine Grade Stainless Steel

B. **Finish:**
Lockers are provided standard with no finish. If a finish is desired, choose from one of the following options:
a. Powder Coat Paint - 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.
b. Clear coat finish available when virgin stainless steel look is desired

C. **Color:**
Standard: Polished Stainless Steel
Optional: 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 **(KD)** type and to have individual door and frame, top, bottom, back and shelves with common intermediate uprights separating units OR All-Welded **(WU)** lockers to be all-welded construction assembled into banks of multiple lockers sharing common back, tops, and bottoms. Quantity of lockers per bank dictated by size and project layout requirements. 16 gauge steel is minimum recommendation for any body components when choosing welded option **(WU)**.

2. **Door Frame:**
Knocked-Down Construction: 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.
All-Welded Construction: 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. 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: 304 Stainless steel, optional 316 stainless steel

3. **Door:**
All doors to be formed from one piece of 16 gauge stainless 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 height channel door stiffener MIG welded to the hinge side of the door as well as to the top and bottom door return bends and spot welded to the inside of door face.
a. Steel Type: 304 Stainless steel, optional 316 stainless steel
b. Venting: Louvers top and bottom, Solid door panel, Mini/Security Louvers, or Punched diamond perforations

c. Provide optional door stiffener as described below (*only available when choosing powder coat paint finish*). Door stiffener (*standard on doors over 15" wide and 60" or 72" in height*), full height of door, welded to back of door face, attached at hinge side of door.
d. Optional 14 gauge stainless steel door
e. Full height and width, 18 gauge welded inner door panel (only available when choosing powder coat paint finish)

4. **Latch Mechanism:**
Choose one of the following:
a. **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.

5. **Top:**
This is the locker body top, not an accessory top such as slope top or boxed top.
Knocked-Down Construction: Single return flange on all four sides 18 gauge stainless steel, Optional 16 gauge stainless steel
All-Welded Construction: 18 gauge stainless steel. Top to be formed with a front flange providing for a 3/4" top horizontal door strike. Lockers without a top horizontal door strike are not acceptable.
Steel Type: 304 stainless steel, optional 316 stainless steel

6. **Bottom:**
Knocked-Down Construction: 18 gauge stainless steel, Optional 16 gauge steel. Single return flange all four sides.
All-Welded Construction: 18 gauge stainless steel. Single piece bottom must be formed to provide a 3/4" bottom door strike. Lockers without a bottom door strike are not acceptable
Steel Type: 304 stainless steel, optional 316 stainless steel

7. **Shelves:**
Knocked-Down Construction: (Standard on lockers 48" and over): Single return flange sides and back with double return flange on front 18 gauge steel, Optional 16 gauge steel
All-Welded Construction: 18 gauge stainless steel – welded to locker back and sides.
Steel Type: 304 stainless steel, optional 316 stainless steel

8. **Sides:**
18 gauge steel, Optional 16 gauge steel perforated or solid panel. Optional 16 gauge stainless steel.
Steel Type: 304 stainless steel, optional 316 stainless steel

9. **Backs:**
18 gauge stainless steel, Optional 16 gauge stainless steel
Steel Type: 304 stainless steel, optional 316 stainless steel

10. **Hinges:**
14 gauge stainless 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 stainless 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: 304 stainless steel, optional 316 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: 304 stainless steel, optional 316 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 stainless steel

   Steel Type: 304 stainless steel, optional 316 stainless steel

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6. **Trim and Filler Panels:**
   Provide concealed method of anchorage
   Steel Type: 304 stainless steel, optional 316 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:

Knocked-Down Construction: Locker components shall be assembled using stainless steel rivets or bolts and nuts that provide a locking mechanical connection.
All-Welded Construction: Lockers to be welded together into banks sharing common backs, tops, and bottoms. Banks to be mechanically fastened together with stainless steel nut/bolt combinations or stainless steel rivets.

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.