

**SECTION 10503
TURNOUT GEAR LOCKERS
MOBILE UNITS**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Design, fabrication and installation of mobile turnout gear lockers as specified herein.

1.2 RELATED SECTIONS

- A. Division 00 Section “ARRA Grant Requirements” for “The Buy American Act” requirements as applicable.
- B. Section 10: Metal Lockers.
- C. Sections of Division 16: electrical as applicable.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer’s product data and installation instructions.
- B. Shop Drawings: Submit manufacturer’s shop drawings for each individual mobile unit of lockers.
- C. Samples: Submit manufacturer’s standard color samples.
- D. Owner’s Manual: Provide maintenance manual at closeout.
- E. Warranty: Submit manufacturer’s standard warranty.

1.4 QUALITY ASSURANCE

- A. Manufacturer shall have a minimum of fifteen years experience in the direct manufacture of lockers.
- B. Installer Qualifications: Installer shall have experience necessary to assure lockers are installed properly and according to manufacturer’s instructions.
- C. Reference:
 - 1. ASTM A513 – Minimum properties of Electric-Resistance-Welded Carbon Allow Steel Mechanical Tubing
 - 2. ASTM A510 - Minimum properties of Wire Rods and Coarse Round Wire, Carbon Steel and Alloy Steel

1.5 DELIVERY, STORAGE AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer’s original, unopened containers with labels identifying product and manufacturer’s name.
- B. Storage: Store materials in a clean dry area.

C. Handling: Protect materials and finish during installation and handling to prevent damage.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. **Acceptable Manufacturers:** Subject to compliance with requirements of the contract documents, acceptable manufacturer's are as follows:
- a. GearGrid Corporation, 670 SW 15th Street, Forest Lake, MN 55025. Toll-free 888-643-6694. Phone 651-464-4468. Fax 651-464-4780. Web site www.geargrid.com. Email sales@geargrid.com.
 - b. Additional manufacturer's may be approved, however approval does not preclude the manufacturer from providing documentation supporting their product meets or exceeds all aspects of this specification section. Failure to provide proper documentation will result in the rejection of submitted product.

2.2 TURNOUT GEAR LOCKERS

- A. Lockers must be fabricated and manufactured in the U.S.A. Products not manufactured in the U.S.A will be rejected at the time of submittals.
- B. Model: Mobile Units
1. GEARGRID 2-Pack unit having two openings on one side
 - a. 18" unit overall dimensions: 83" high x 39" wide x 20" deep.
 - b. 20" unit overall dimensions: 83" high x 43" wide x 20" deep.
 - c. 24" unit overall dimensions: 83" high x 51" wide x 20" deep
 - d. 24"W x 24"D unit overall dimensions: 83" high x 51" wide x 24" deep
 2. GEARGRID 3-Pack unit having three openings on one side.
 - a. 18" unit overall dimensions: 83" high x 57" wide x 20" deep
 - b. 20" unit overall dimensions: 83" high x 63" wide x 20" deep.
 - c. 24" unit overall dimensions: 83" high x 75" wide x 20" deep.
 - d. 24"W x 24"D unit overall dimensions: 83" high x 75" wide x 24" deep
 3. GEARGRID 4-pack unit having two openings on each side back to back
 - a. 18" unit overall dimensions: 83" high x 39" wide x 39" deep
 - b. 20" unit overall dimensions: 83" high x 43" wide x 39" deep
 - c. 24" unit overall dimensions: 83" high x 51" wide x 39" deep
 - d. 24"W x 24"D unit overall dimensions: 83" high x 51" wide x 47" deep

4. GEARGRID 4-pack unit having four openings on one side
 - a. 18" unit overall dimensions: 83" high x 75" wide x 20" deep
5. GEARGRID 6-pack unit having three openings each side back to back.
 - a. 18" unit overall dimensions: 83" high x 57" wide x 39" deep
 - b. 20" unit overall dimensions: 83" high x 63" wide x 39" deep.
 - c. 24" unit overall dimensions: 83" high x 75" wide x 39" deep
 - d. 24"W x 24"D unit overall dimensions: 83" high x 51" wide x 47" deep
6. GEARGRID 8-pack unit having four openings on each side back to back
 - a. 18" unit overall dimensions: 83" high x 75" wide x 39" deep

**** NOTE: When PowerBars are a chosen option, the overall height for all mobile and freestanding lockers increase to 85"

C. Construction: Units shall be welded at all applicable joints. Forming of metal shall be completed by standard cold-forming operations. Use of fasteners will only be required to allow for knock-down shipping, securing units to mounting surface and on applicable accessories.

D. Vertical Dividers:

1. Outer Frames: 1.25" O.D. x 16 gauge wall thickness ASTM A513 steel tubing.
2. Inner Grid: .25" diameter ASTM 510 cold drawn steel wire resistance welded to a 3" square pattern.
3. Inner Grid wires must be full length and width of inside vertical divider frame. Wires not running full length or width, thus creating exposed wire ends will not be acceptable.
4. Inner Grid wires must run horizontally and vertically creating a square or rectangular grid pattern only. Grid wires not creating a square or rectangular grid pattern will not be acceptable.
5. Inner Grid wires shall intersect and cross all perpendicular wires, and shall be welded at all intersections.

E. Back Panel:

1. Required on each locker to protect the locker contents and wall substrate, as well as provide an additional panel for accessory attachment.
2. Grid: .25" diameter ASTM 510 cold drawn steel wire resistance welded to a 3" square pattern.

3. Back panel must engage and be secured to vertical dividers via horizontal wires which extend into mounting holes pre-drilled in vertical dividers. Back panels are sandwiched between vertical dividers, preventing them from being removed after assembly is complete.
4. Inner Grid wires must be full length and width of inside vertical divider frame. Wires not running full length or width, thus creating exposed wire ends will not be acceptable.
5. Inner Grid wires must run horizontally and vertically creating a square or rectangular grid pattern only. Grid wires not creating a square or rectangular grid pattern will not be acceptable.
6. Inner Grid wires shall intersect and cross all perpendicular wires, and shall be welded at all intersections.

F. Shelves: (1) Upper, (1) Lower. .25" diameter ASTM 510 cold drawn steel wire resistance welded and cold formed. Upper shelf includes a 20 gauge steel bracket to accept a 2" x 16" name placard(not included).

G. Apparel Hooks: (3) per locker opening. .192" diameter ASTM 510 cold drawn steel wire resistance welded, cold formed and powder coated. Apparel hooks must securely engage and snap onto side or back grid, to prevent unintentional disengagement of hook.

H. Base Assembly: Base frame shall be manufactured from 1.25" x 11 gauge wall thickness ASTM A513 square steel tubing. Each unit to be supplied with four (4) casters per unit. Casters to have a 250 lbs. capacity per each caster. Each caster is a swivel model with brake.

2.3 ACCESSORIES

All of the following accessories are OPTIONAL and should be removed from specification if not desired.

A. Door (optional):

1. Frame: 1.25" O.D. x 16 gauge wall thickness ASTM A513 steel tubing.
2. Inner Grid: .25" diameter ASTM 510 cold drawn steel wire resistance welded to a 3" square pattern.
3. Inner Grid wires must be full length and width of inside vertical divider frame. Wires not running full length or width, thus creating exposed wire ends will not be acceptable.
4. Inner Grid wires shall intersect and cross all perpendicular wires, and shall be welded at all intersections
5. Top Cover: .25" diameter ASTM 510 cold drawn steel wire resistance welded to a 3" square pattern. To securely enclose the top of the locker. Top cover must engage and be secured to vertical dividers via horizontal wires which extend into mounting holes pre-drilled in vertical

dividers. Top Covers are sandwiched between vertical dividers, preventing them from being removed after assembly is complete.

6. Hinge: Single pin welded style with brass pivot bushing. Door and Vertical Divider hinge components must be welded and not mechanically fastened.
7. Placard Channel: 20 gauge steel to accept a 2" x 12" name placard(not included), securely welded to inner grid panel
8. Latch/Hasp: Self-latching with padlock hasp, constructed as follows; Vertical Divider side latch shall be minimum .125 in. sheet steel welded to Vertical Divider frame. Door side latch shall be constructed of .125 in. sheet steel and .1875 in. wire. Latch components manufactured from formed wire will not be acceptable. Lock by owner.

B. Hang Bar (Optional)

1. Hang Bars must be manufactured to allow each locker user to install at their desired height. Hang Bars that span multiple locker openings are not acceptable.
2. Tube: 1.25"O.D. x 16 gauge 304 stainless steel tubing.
3. Brackets: Allow Hang Bars to be securely attached to each vertical divider, powder coated.

C. Heavy Hanger (optional):

1. .25" diameter 304 stainless steel wire cold formed and resistance welded.
2. Black vinyl coating on hook end.

D. Gear Dryer Hanger (optional):

1. .25" diameter 304 stainless steel wire cold formed and resistance welded. Includes formed loops to prop open sleeves on jackets to promote better circulation throughout the garment.
2. Black vinyl coating on hook end.

E. Glove Drying Hanger (optional):

1. .25" diameter 304 stainless steel wire cold formed and resistance welded.
2. Black vinyl coating on hook end.

F. Helmet Holder (optional, not recommended when Door and Top Cover option or Top Side Storage option is also selected):

1. .25" diameter ASTM 510 cold drawn steel wire resistance welded. Powder coated finish in specified color.

G. Secure Box (optional):

1. 6" wide x 6" high x 12" deep 6061 Aluminum enclosure with hinged, lockable door at outer end. Design shall include an integrated mail slot. Powder coated finish in specified color.

H. Power Bar (optional on 20" and 24"):

1. 16 gauge steel chase integrated into the upper framework of the locker assembly allowing provision for the installation of a 120VAC duplex outlet at each locker location. Powder coated finish in specified color.

a. No outlets or electrical connections included with Power Bars.

I. Top Side Storage (optional):

2.4 FINISH

- A. General: All system components excluding assembly and mounting hardware and stainless steel components are to receive the standard finish.
- B. Thickness of applied finish shall be 3 – 4 mm for added protection.
 1. Anti-Corrosive Primer: (Optional)
- C. **Color:** _____ (Manufacturer must provide a minimum 7 standard color choices for selection)

Part 3 EXECUTION

3.1 EXAMINATION

A. Examine areas to receive lockers. Notify architect if areas are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

3.2 INSTALLATION

- A. Assemble mobile lockers in accordance with manufacturer's instructions.
- B. Use manufacturer's hardware for assembly.

END OF SECTION