

SECTION 10 51 43
METAL WIRE GRID LOCKERS
GRIDIRON/PERSONNEL LOCKERS

PART 1: GENERAL

1.1 SECTION INCLUDES

- A. Design, fabrication, and installation of off-floor-mounted metal grid team athletic lockers with integral seat and footlocker as specified herein.

1.2 RELATED SECTIONS

- A. Section 10: Metal Lockers
- B. Division 06 Section "Rough Carpentry" for blocking in frame walls required to anchor metal grid lockers.
- C. Division 09 Section "Non-Structural Metal Framing" for reinforcements in metal-framed partitions required to anchor metal grid lockers.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions.
- B. Shop Drawings: Submit manufacturer's shop drawings for metal wire grid team athletic lockers including floor plans, elevations, sections, and details.
- 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 WARRANTY

- A. Locker Warranty: Manufacturer's written warranty stating that failures in materials or workmanship will be repaired or replaced within 10 years from product installation. Failures due to vandalism, improper care or misuse, including overloading, will not be covered under this warranty.

1.5 QUALITY ASSURANCE

- A. Approved manufacturer shall have a minimum of five years experience in the direct manufacture of wire grid metal lockers.
- B. Submit substitution request not less than 10 days prior to bid date. Substitutions following award of contract are not allowed. For approval consideration submit the following:
 - a. Product data indicating product meets or exceeds all design and construction elements of specified product.
 - b. One complete locker sample of the same size and type shown on project drawings.

- c. References, including contact information for owner, architect, and general contractor for a minimum of 3 project installations which include lockers matching the specifications herein.
- C. Source Limitations: Obtain metal team athletic lockers and accessories from single manufacturer. All products and components contained within the team athletic lockers must be manufactured in the United States. Lockers with components or products not manufactured in the United States are not acceptable and will not be approved.

1.6 DELIVERY, STORAGE, AND HANGLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers with labels identifying product and manufacturer's name. Do not deliver lockers until spaces to receive them are clean, dry, and ready for installation. Final wall and floor finishes must be complete prior to installation.
- B. Storage: Store materials in a clean dry area.
- C. Handling: Protect materials and finish during installation and handling to prevent damage.

1.7 COORDINATION

- A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of work specified in other Sections.

PART 2: PRODUCTS

2.1 MANUFACTURER

- A. Basis of Design: "GridIron/Personnel" locker as manufactured by GearGrid, 670 SW 15th Street, Forest Lake, Minnesota 55025. Toll-free (888) 643-6694. Phone (651) 464-4468. Website www.GearGrid.com. Email Sales@GearGrid.com.

2.2 MATERIALS

- A. Steel Tube: ASTM A 501 hot-formed steel tubing.
- B. Steel Wire Grid: ASTM C 510 cold drawn steel wire welded grid.
- C. Particleboard: ANSI A208.1, minimum 43 lb/cu. Ft. (689 kg/cu. m) density, with no urea formaldehyde added.
- D. PVC Edge Banding: LMA EDG-1, radiused PVC extrusions, 3mm thick, heat-bonded.
- E. Recycled HDPE (High Density Polyethylene)

2.3 METAL WIRE GRID LOCKERS

- A. Model: GEARGRID ATHLETIC – GridIron Metal Grid Team Athletic Lockers
- B. Locker Sizes:
 - a. Widths Available: 18", 24", 30"

- b. Depth: 30.5" overall
- c. Height: 72.5" (Locker Height) – add mounting height for height above finished floor
- 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:
 - a. Steel Tube Frames: 1.25" OD x 16-gauge wall thickness ASTM A513 steel tubing, with fully welded joints.
 - b. Inner Grid: .25" diameter ASTM 510 cold drawn steel wire resistance welded to a 2" square pattern.
- E. Back Panel – (Optional at wall mount and Standard at island locations)
 - a. Available Options:
 - i. Grid: .25" diameter ASTM 510 cold drawn steel wire resistance welded to a 2" square pattern.
 - ii. ¾" thick, recycled HDPE solid panel fastened to steel tube frames.
 - iii. ¾" thick, laminate-clad wood panel with 3mm, PVC edging, fastened to steel tube frames.
- F. Integral Seat and Foot Locker: Seat and footlocker lid, ¾" thick with lockable seat security compartment, replaceable split pin hinge, and locking hasp (minimum .1875" thick) for padlock by Owner.
 - a. Available Options:
 - i. ¾" laminate-clad composite, MDF core, with Black 3mm, PVC edging.
 - ii. ¾" recycled HDPE – Black.
- G. Shelves: ¾" material fastened to apparel hook assembly which is bolted to locker side.
 - a. Available Options:
 - i. ¾" laminate-clad composite, MDF core, with Black 3mm, PVC edging.
 - ii. ¾" recycled HDPE – Black.
- H. Apparel Hooks: (3) per opening. Minimum 11-gauge (.1046")
- I. Door (Optional):
 - a. Door Ready Option available if doors may be added in the future. The door and latch attachment weldments will be included on frame components. This option must be specified to be included.
 - b. Frame: 1.25" OD x 16-gauge wall thickness ASTM A513 steel tubing.
 - c. Hinge: Single pin welded style with brass pivot bushing.

- d. Latch/Hasp: Non-moving steel padlock hasp welded to the locker top with mating hasp welded to door frame. Door held in closed position with included magnet latch, which is secured to door frame with sheet metal screw.
- e. Available Infill Options:
 - i. Grid: .25" diameter ASTM 510 cold drawn steel wire resistance welded to a 1-½" square pattern.
 - ii. ¾" laminate-clad composite wood panel with 3mm PVC edging, fastened to welded steel tube frame.
 - iii. ¾" recycled HDPE panel fastened to welded steel tube frame.
- f. Door Swing Options:
 - i. No Door Stop (Optional). Doors will swing a full 180 degrees without a door stop. The locker side panels will be door stop ready and door stops can be added in the future if desired.
 - ii. With Door Stop (Standard). Made with 3/16" steel and mounted to the locker side panel, next to the seat. The door stop is secured to locker side panel via hardware and press fit inserts. Door stop is dipped with protective coating.
- J. Locker Accessories (Optional):
 - a. Fixed Shoulder Pad and Helmet "GearTopper": 1" round steel tube formed to secure helmet and shoulder pads. Tube is welded to 3/16" steel base plate with 4 mounting holes. Topper can be mounted and secured in multiple orientations on the locker top grid.
 - b. SecureBox: 18-gauge cold rolled steel box mounted and secured to locker bottom grid via 3/16" mounting plate.
 - c. Garment Hook: Round steel tube hook replaces the standard back hook and mounts underneath top shelf, allowing for additional uniform/coat hanging space.
- K. ADA Lockers:
 - a. ADA Kit includes shortened 22.5" seat to not extend beyond footlocker opening. Kit also includes additional set of powder coated steel shelf brackets to allow for lowered locker shelf. Shelf is adjustable in 2" increments. Height to be determined by owner.
 - b. If doors are included: ADA compliant handle door kit will be added.

2.4 FABRICATION

- A. Fabricate metal grid lockers square, and rigid. Make exposed metal safe to touch and free of sharp ends or burrs. Form panels, doors, and accessories from one-piece steel grid infill.
- B. Factory weld frame members of each metal grid locker together to form a rigid, one-piece assembly.
- C. All-Welded Construction: Factory preassemble steel grid lockers by welding all joints, and connections; with no bolts, nuts, screws, or rivets used in assembly, except as required for knock down shipping and attachment to mounting surfaces.

2.5 FINISH

- A. General: All system components excluding assembly and mounting hardware and stainless steel components are to receive the standard finish.
- B. Standard Finish: Components to be cleaned using a phosphatized bath, clear water rinse and electrostatically coated with a durable TGIC, 3 to 4mm, powder coating.
- C. Color: Choose from manufacturer's 15 standard color options. Two-tone option (body one color and door another) available when metal grid infill is chosen for door panels.

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. Install lockers in accordance with manufacturer's instructions. Install level, plumb, and true; shim as required, using concealed shims. Install anchors into concrete, masonry, construction blocking or metal stud construction.
- B. Use manufacturer's hardware for assembly.
- C. Anchor to mounting surface with proper hardware.
- D. Clean lockers and adjust moving components for proper operation.
- E. Protect metal grid lockers from damage, abuse, dust, dirt, stain, or paint. Do not permit use during construction.
- F. Touch up marred finishes.

END OF SECTION