

**SECTION 105143
WIRE MESH STORAGE LOCKERS**

PART 1 GENERAL**1.01 SUMMARY**

- A. Section Includes:
 - 1. Welded wire mesh storage lockers.

1.02 ACTION SUBMITTALS

- A. Product Data:
 - 1. For each type of product.
 - a. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Shop Drawings:
 - 1. Plans, elevations, sections, and attachment details.
- C. Samples for Verification: Actual sample of finished products for each type of wire mesh storage locker with factory-applied color finishes.
 - 1. Size: Manufacturers' standard size

1.03 INFORMATIONAL SUBMITTALS

- A. Welding certificates.
- B. Qualification Statements: For Installer.

1.04 QUALITY ASSURANCE

- A. Manufacturer shall have a minimum of fifteen years of 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: Qualify procedures and personnel in accordance with the following welding codes:
 - 1. ASTM A513 – Minimum properties of Electric-Resistance-Welded Carbon Alloy Steel Mechanical Tubing.
 - 2. ASTM A5410 – Minimum properties of Wire Rods and Course Round Wire, Carbon Steel and Alloy Steel.

1.05 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.

1.06 FIELD CONDITIONS

- A. Field Measurements: Verify actual dimensions of construction contiguous with wire mesh storage lockers by field measurements and coordinate before fabrication.

PART 2 PRODUCTS**2.01 WELDED WIRE MESH STORAGE LOCKERS**

- A. Basis-of-Design Product: Acceptable Manufacturers: Subject to compliance of the contract documents, acceptable manufacturers are as follows:
 - 1. GearGrid Corporation, 670 SW 15th Street, Forest Lake, MN 55025. Toll Free 888-643-6694. Phone 651-464-4468. Web Site www.geargrid.com, Email sales@geargrid.com
 - 2. Additional manufacturer's may be approved; however, approval does not preclude the manufacturer from providing documentation supporting that their product meets or

exceeds all aspects of this specification section. Failure to provide proper documentation will result in the rejection of submitted product.

2.02 TURNOUT GEAR LOCKER FABRICATION

- 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 submittal.
- B. Model: GEARGRID Wall mounted Storage System.
- C. Locker Size:
 - 1. Width: 24 inches (609.6 mm)
 - 2. Depth: 20 inches (508 mm)
 - 3. Height: 74.5 inches (1892.3 mm)
- D. 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.
- E. Vertical Dividers:
 - 1. Outer Frames: 1.25-inch x 16 gage 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 rectangle grid pattern only. Grid wires not creating a square or rectangular grid pattern will not be acceptable
 - 5. Inner Grid wire shall intersect and cross all perpendicular wires, and shall be welded at all intersections.
- F. Back Panels:
 - 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 inch (6.35 mm) 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.
 - 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. Grids not creating a square or rectangular pattern will not be acceptable.
 - 6. Inner Grid wires shall intersect and cross all perpendicular wires and shall be welded at all intersections.
- G. Shelves: (1) Upper, (1) Lower. .25-inch diameter ASTM 510 cold drawn steel wire resistance welded and cold formed. Upper shelf shall include an integrated 20 gage steel bracket to accept a 2-inch x 16-inch name placard (not included), unless doors are selected as an option, in which case the name placard holder will be integrated into the door.
 - 1. Load Capacity: 250 lb, uniformly distributed.
- H. Apparel Hooks: (3) per locker opening, .192-inch 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.

2.03 ACCESSORIES:

- A. Name Placard:
 - 1. Provide 2-inch x 16" shelf name placard inscribed as directed by owner and Architect.
- B. Helmet Holder:

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

2.04 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 electro-statically coated with a durable and UV-stable TGIS powder coating process. Thickness of applied finish shall be 3-0.16 inch (4 mm) for added protection.
 1. Anti-Corrosive Primer:
- C. Color: Red Baron

2.05 EXAMINATION

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

2.06 INSTALLATION

- A. Install Lockers in accordance with manufacturer's instructions.
- B. Use manufacturer's hardware for assembly.
- C. Anchor to mounting surface with proper hardware.

END OF SECTION