

## **SECTION 105030 – TURNOUT GEAR LOCKERS**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### **1.2 SUMMARY**

- A. Section Includes:
  - 1. Wall-mounted turnout gear lockers.

#### **1.3 COORDINATION**

- A. Coordinate installation of in wall blocking with requirements for anchoring wall mounted turnout gear lockers.

#### **1.4 ACTION SUBMITTALS**

- A. Product Data: Submit manufacturer's product data and installation instructions.
- B. Shop Drawings: Show fabrication and installation details. Include plans, elevations, sections, and details of turnout gear lockers, including anchorage and accessory items.
- C. Samples: Submit manufacturer's standard color samples.
- D. Operation and Maintenance Data for inclusion in closeout documents.
- E. Warranty: Submit manufacturer's standard warranty.

#### **1.5 QUALITY ASSURANCE**

- A. Manufacturer shall have a minimum of ten 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.

**1.6 DELIVERY, STORAGE, AND HANDLING**

- A. 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.

**1.7 FIELD CONDITIONS**

- A. Field Measurements: Verify actual locations of walls, floors, and other construction by field measurements before fabrication.

**PART 2 - PRODUCTS****2.1 MANUFACTURERS**

- A. Product: Basis of Design GearGrid Corporation. Subject to compliance with requirements, other comparable products by other manufacturers will also be considered.
  - 1. Model: GearGrid Wall Mounted Storage System.
  - 2. Locker Sizes: Super Jumbo 24". Overall dimensions 74.5" high by 25.25" wide by 24" deep.
    - a. Clear Opening Width: 22.75"

**2.2 FABRICATION**

- A. 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.
- B. 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. Inner grid wires shall:
    - a. 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.

- b. 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.
  - c. Intersect and cross all perpendicular wires, and shall be welded at all intersections.
- C. Back Panel: Required on each locker to protect the locker contents and wall substrate, as well as provide an additional panel for accessory attachment.
  - 1. 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.
  - 2. Grid: .25" diameter ASTM 510 cold drawn steel wire resistance welded to a 3" square pattern. Grid wires shall:
    - a. 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.
    - b. 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.
    - c. Intersect and cross all perpendicular wires, and shall be welded at all intersections.
- D. Shelves: Provide one (1) upper and one (1) lower from 0.25" diameter ASTM 510 cold drawn steel wire resistance welded and cold formed. Upper shelf shall include an integrated 20 gauge steel bracket to accept a 2" x 16" name placard.
- E. Apparel Hooks: Provide three (3) per locker opening from 0.192" 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.

## 2.3 ACCESSORIES

- A. Provide the following optional accessories:
  - 1. Hang Bar: Manufactured to allow each locker user to install at their desired height. Hang Bars that span multiple locker openings are not acceptable.
    - a. Tube: 1.25" O.D. x 16 gauge 304 stainless steel tubing.
    - b. Brackets: Allow Hang Bars to be securely attached to each vertical divider, powder coated.

2. Top Side Storage: Shelf spanning across the top of the lockers for additional gear storage above lockers from 0.25" diameter ASTM 510 cold drawn steel wire resistance welded to a 3" square pattern. Powder coated finish in specified color.

## **2.4 FINISH**

- A. General: All system components, excluding assembly/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 TGIC powder coating process. Thickness of applied finish shall be 3 mm to 4 mm for added protection.
- C. Color: As selected by Architect from manufacturer's full range of standard colors.

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Examine area to receive lockers. Do not begin installation until unacceptable conditions have been corrected.

### **3.2 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 105030**