

**SECTION 10501
FIRST RESPONDER SERIES
HEAVY DUTY PERSONNEL LOCKERS
DELTA MODEL
DEBOURGH MFG. CO.**

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 specifications apply to this section.

1.02 SUMMARY

- A. This Section includes the following:

1. First Responder Series Heavy Duty Personnel Locker

- **Upper Unit:** 18”w x 18”d x 61”h Single Tier
- **Upper Unit:** 18”w x 18”d x 73”h Single Tier

- **Upper Unit:** 18”w x 24”d x 61”h Single Tier
- **Upper Unit:** 24”w x 24”d x 61”h Single Tier
- **Upper Unit:** 30”w x 24”d x 61”h Single Tier
- **Upper Unit:** 36”w x 24”d x 61”h Single Tier

- **Upper Unit:** 18”w x 24”d x 73”h Single Tier
- **Upper Unit:** 24”w x 24”d x 73”h Single Tier
- **Upper Unit:** 30”w x 24”d x 73”h Single Tier
- **Upper Unit:** 36”w x 24”d x 73”h Single Tier

- **Drawer Base:** 18”w x 34”d x 17”h
- **Drawer Base:** 24”w x 34”d x 17”h
- **Drawer Base:** 30”w x 34”d x 17”h
- **Drawer Base:** 36”w x 34”d x 17”h
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2. Provide fasteners and anchorage devices to install lockers provided under this section.

3. Provide metal filler panels to fill between banks of lockers and adjacent construction.

1.03 SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of locker and bench.

- B. Shop Drawings: Show lockers in detail, method of installation, fillers, trim, base, and accessories. Include locker numbering sequence information.
- C. Samples for verification: Submit one full-size locker sample for evaluation. Adherence to the specification is required. Locker submitted must meet specification regardless of manufacturer's standard product. Submit manufacturer's technical data and installation instructions for metal locker units.
- D. Maintenance Data: For adjusting, repairing and replacing locker doors and latching mechanisms to include in maintenance manuals specified in Division 10.

1.04 QUALITY ASSURANCE

- A. Uniformity and Single Manufacturer Requirements: Provide each type of metal locker as produced by a single manufacturer, including necessary mounting accessories, fittings, and fastenings.
- B. Installers Qualifications: Lockers to be installed by an experienced agent of the manufacturer.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Packing and Shipping: Do not deliver metal lockers until building is enclosed and ready for locker installation.
- B. Storage and Protection. Protect materials from damage during delivery, handling, storage and installation.

1.06 WARRANTY

- A. Locker manufacturer shall warrant the lockers for lifetime use of the original purchaser from date of shipment. Warranty shall include all defects in material and workmanship, excluding finish, vandalism and improper installation.

PART 2 – PRODUCT

2.01 MANUFACTURERS

- A. Acceptable Manufacturers: Subject to compliance with requirements of the Contract Documents, acceptable manufacturers are as follows:

1. DeBourgh Manufacturing Company, Basis of Design, **First Responder Series**

2.02 FABRICATION

- A. Locker Construction
 1. Lockers to be welded unibody construction with exposed welds sanded smooth.
 2. No bolts, screws or rivets used in assembly of locker units. Bolts and screws are used to attach upper unit to drawer base and to attach doors to locker unit.

3. Ship lockers set-up, ready to be anchored in place in accordance with manufacturer's instructions.

B. Body of Lockers

1. Top and Bottom: constructed of 18 gauge domestic cold rolled sheet steel for maximum durability. Includes 4 gang electrical knockout at rear center of unit top.
2. Exterior sides constructed of 18 gauge domestic cold rolled sheet steel for maximum durability.
3. Backs: Solid sheet of 18 gauge cold rolled sheet steel welded to frames of sides and intermediate partitions with 4 inch on center supports for reconfigurable interior components.
4. Sides and back to have 4 inch on center supports for reconfigurable interior components.
5. Continuous Door Strike to have 5/8 inch strike on all four sides of door opening for a secure, sanitary and intrusion-free locker while door is in closed position.

C. Doors

1. Doors are 16 gauge steel, formed outer panel with double bends on both sides and a single bend on top and bottom with 18 gauge steel formed stiffener panel.
2. 18 gauge stiffener runs top to bottom between ventilation. Stiffener is securely welded to outer door to form a reinforced channel for additional strength and sound reduction when closing door. Stiffener panel to cover a minimum of 1/3 of the width of the door and 2/3 of the overall height.

D. Door Ventilation

1. Louvered doors with six louvers at the bottom only of the formed door providing 7% ventilation per square inch of ventilated area.

E. Top Ventilation (OPTIONS)

1. Tops to feature adjustable baffling system for measured air flow.
2. Tops to feature

F. Bottom Ventilation

1. Rear bottoms to feature rounded perforations at the rear of the top unit for air flow from the bottom of the drawer base.

G. Latching (OPTIONS)

1. Sentry I Three-Point/Three-sided Cremone Latch with Facia

- a. Latching mechanism operated cremone style with an 11 gauge padlock hasp that will accept a built-in combination lock or a padlock.
 - b. Latching rods, 3/8 inch diameter, engage top and bottom edge of locker frame. A 3/16 inch thick center latch engages door jamb.
 - c. Rubber bumpers riveted to door stops for quiet operation.
2. Sentry II Multi-Point Gravity Lift Latch.
 - a. Three points of latching on the frame minimum.
 - b. Rubber bumpers riveted to door stops for quiet operation.
3. Sentry III Single-Point Non-Moving Latch.
 - a. 11-gauge hasp protrudes through the face of the door to accept a padlock or built-in combination lock.
 - b. Rubber bumpers riveted to door stops for quiet operation.

H. Hinges

1. 1-1/2 inch open x 16 gauge CRS continuous hinge welded to right side of the door and riveted to locker frame.

I. Self-Latching Drawer Base with Bench

1. Drawer base top, bottom and sides to be constructed from 18 gauge CRS. Drawer base back and drawer to be constructed using 18 gauge CRS.
2. Drawer base to have integral self latching mechanism which is triggered by the operation of the wardrobe door. Drawer to be locked whenever the wardrobe door is closed. Drawer base to be designed to accept field-installed mixed hardwood bench.
3. Drawer base to be fully assembled and attached to locker bottom at the factory.
4. (2) Each: Full extension ball bearing drawer glides rated at a minimum of 200 pounds.
5. Bench: Mixed Hardwood or Phenolic.

J. Numbering

1. Furnish each locker with black anodized laser-etched aluminum number plate.
2. Locate number plate near center of each door.
3. Owner to furnish numbering sequence.

K. Filler Panels: Manufacturer's standard fabricated from 18 gauge solid steel painted to match lockers

L. Finish

1. Complete locker unit to be thoroughly cleaned, phosphatized and sealed.
2. Finish is baked, TGIC polyester powder coat with a minimum 2-3 mil thickness.
3. Color: As selected from one of DeBourgh's 27 standard colors. Interior components to be DeBourgh Storm Gray unless otherwise specified.

M. LOCKER ACCESSORIES

1. 18" deep Sloped Top, 18 gauge, with triangular access for air flow, shipped loose for field installation. Sloped top to have built in option for ventilation into room or to be used as a channel to vent air through HVAC system.
2. Closed Base, 4" high, 14 gauge
3. Shelving
 - a. Full width shelf with 12"w x 15"d x 12"h security box and clothes rod assembly (not available on 18" wide model)
 - b. Full width perforated shelf
 - c. Side shelf 12"w x 17"d x 08"h
 - d. Side shelf 12"w x 17"d x 12"h
 - e. Side shelf 12"w x 17"d x 16"h
 - f. Full width 18 gauge shelf stop/lip
 - g. Security Drawer, 17.5"w x 17"d x 4.9"h
 - h. Security box, 12"w x 15"d x 12"h
 - i. Removable 10.5"w x 15"d boot tray for easy cleaning.
 - j. Body armor drying rack (drawer insert), 18 gauge fully perforated for lower drawer compartment.
 - k. Hooks to be ¼" diameter – 5/6" ball end heavy-duty forged steel zinc plated.
 - Adjustable hook bracket with (2) wall hooks
 - (4) wall hooks with full width clothes rod
 - l. (2) barrel gun rack with rubber lining to protect gun barrels
 - m. Storage bin with storage bin rail
 - 4" x 7" x 3"
 - 5.5" x 10.5" x 5"
4. Electrical system, Two-circuit plug-n-play with interconnecting cables to connect lockers together that are side by side.
 - a. Starter cables are required for each non-continuous locker run to customer provided electrical interface.
 - b. Electrical system to have two USB plugs and two standard plugs.

5. Integrated Fan System

- a. Each unit to be supplied with fan system which moves air through the locker at a rate not less than 150cfm to dry wet gear and remove odor.

PART 3 – EXECUTION

3.01 INSTALLATION

A. Installation

1. Securely anchor every locker to wall and/or floor before use.
2. Anchoring to be determined by conditions at time of installation.
3. Securely anchor to adjacent locker units by bolting at four points, two at top and two at bottom, using ¼ inch plated bolts.
4. Lockers installed in island configurations shall be anchored to floor and all surrounding locker units.
5. Optional: Attach sloped tops with field-installed chimney system venting from locker sloped tops into HVAC system. HVAC system should be able to achieve a minimum of 100 CFM through the interior of upper locker unit with door completely closed.

3.02 ADJUSTING

- A. General Requirements:** Upon completion of installation, inspect lockers and adjust for proper door and locking mechanism operation.

3.03 CLEANING

A. General Requirements

1. Clean interior and exposed exterior surfaces, removing debris, dust, dirt, and foreign substances on exposed surfaces.
2. Touch up scratches and abrasions to match original finish.
3. Polish stainless steel and non-ferrous metal surfaces.
4. Replace locker units that cannot be restored to factory-finished appearance.
5. Use only materials and procedures recommended or furnished by locker manufacturer.