SECTION 105113 - METAL LOCKERS (FOR REFERENCE ONLY)

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 the Section.

1.2 SUMMARY

A. Section Includes:

1. All-welded metal lockers.
2. Accessories including tops, bases, vertical fillers, and recess trim.

B. Related Requirements:

1. Section 061053 – “Miscellaneous Rough Carpentry”

1.3 REFERENCES

A. American Society for Testing and Materials (ASTM) A1008 - Standard Specification for Steel Sheet, Carbon, Cold-Rolled, Commercial Quality.

B. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

C. ADAAG - American with Disabilities Act, Accessibility Guidelines.

D. ANSI A117.1 - Accessible and Usable Buildings and Facilities.

1.4 SUBMITTALS

A. Submit under provisions of Section 013300.

B. Product Data: Manufacturer's data sheets on each product to be used, including:

1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Installation methods.

C. Shop Drawings: Provide layout and elevations of lockers with overall dimensions.

D. Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms.

E. Selection Samples: For finish product specified, two complete sets of color chips representing manufacturer's full range of available colors.

F. Verification Samples: For finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product and color selected.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

B. Sequence deliveries to avoid project delays but minimize on-site storage.

PART 2 - PRODUCTS

2 .1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. DeBourgh Manufacturing Company or approved equal.

B. Provide metal lockers from a single manufacturer.

2 .2 ALL-WELDED METAL LOCKERS

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

B. Body of Lockers:

1. Tops, Bottoms, Sides: Constructed of 18 Ga domestic Cold Rolled Steel (CRS) for maximum durability.
2. Backs: Solid sheet of 20 Ga CRS welded to frames of sides and intermediate partitions.

3. Shelves: Constructed of 18 Ga CRS welded to sides and intermediate partition construction. Shelves provided in lockers 60 inches and taller, located to provide a minimum of 15 inches clearance from top of locker.
4. Tier Dividers: Full depth CRS securely welded on all four sides, to combine with tops, bottoms, sides, and intermediate partitions.

C. Continuous Door Strike:

1. Tier dividers, tops and bottoms constructed to provide two-sided, continuous door strike on both hinge and latch sides for a secure, sanitary, and intrusion-free locker while door is in closed position.

D. Doors:

1. Doors are 18 Ga CRS formed outer panel with double bends on both sides and a single bend on top and bottom.
2. Doors to have 18 Ga steel formed stiffener panel securely welded inside the door to form a reinforced channel for additional torque-free strength and sound reduction when closing door.

E. Door Ventilation:

1. Louvers at top and bottom of door.

F. Latching:

1. Sentry II Recessed Gravity Latch:
   a. Door containing stainless steel cup recessed into formed door (doors 18 inches and higher).
   b. 12-gauge steel finger lift mechanism.
   c. Spring activated nylon slide latch enclosed in steel latch channel allows closing of door while padlock or built-in lock is in position.
   d. Rubber bumpers riveted to door stops for silent operation.

G. Hinges:
1. 16-gauge continuous piano hinge on the right side of the opening.
2. Hinges welded to door and riveted to locker frame.

H. Closed Bases:

1. Provide 4-inch-high Z-base sections from 16 gauge formed CRS. Securely fasten Z-base to floor and lockers to Z-base.

I. Filler Panels: Manufacturer's standard fabricated from 18-gauge solid steel finished to match lockers.

J. Finish:
   1. Complete locker unit to be thoroughly cleaned, phosphatized, and sealed.
   2. Finish to be baked powder coat with a minimum 2-3 mil thickness.
   3. As selected from manufacturer's standard offering.

2.03 LOCKER ACCESSORIES

A. Hooks:

   1. Hooks to be heavy duty forged steel with ball ends and zinc plated.
   2. Provide one double ceiling hook in each locker opening.

B. 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.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Wall 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. Install the adjacent locker units by bolting at four points, two at top and two at bottom, using 1/4-inch cadmium plated bolts.

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.

3.4 PROTECTION

A. Protect installed products until completion of project.

END OF SECTION 105113

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