



10 December 1998

Mr. James McDougall
HSS Industries, Inc.
P.O. Box 2060
Traverse City, MI 49685

Re: Specification section #10555, Postal Parcel Lockers

Dear Mr. McDougall:

Attached is the revised draft specification section for your use. The proposed changes of adding a 15 inch wide locker and the improved rear door latching have been included.

These changes were requested by the Postal Service and have been reviewed and approved. This revised specification section is to be included in the 1999 Building Design Standards on 17 March 1999.

Please contact me if there are any questions.

Sincerely,

A handwritten signature in black ink that reads "Mark Nedzbala".

Mark Nedzbala, AIA

SECTION 10555

POSTAL PARCEL LOCKERS

NOTE TO SPECIFIER

Use this section for Medium Standard Buildings, Small Standard Buildings, and StorCAD/D (Postal Retail Stores) interior tenant improvements.

****REQUIRED PARTS OR ARTICLES ARE INCLUDED IN THIS SECTION. DO NOT REVISE WITHOUT A WRITTEN DEVIATION FROM USPS HEADQUARTERS DESIGN AND CONSTRUCTION, THROUGH THE CONTRACTING OFFICER.**

Shaded text is deleted for Short Version Master Specification.

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Parcel lockers.
 - 2. Accessories.
- B. Related Documents: The Contract Documents, as defined in Section 01110 - Summary of Work, apply to the Work of this Section. Additional requirements and information necessary to complete the Work of this Section may be found in other Documents.

1.2 SUBMITTALS

- A. Section 01330 - Submittal Procedures: Procedures for submittals.
 - 1. Product Data: Data on locker types, sizes, and accessories.
 - 2. Shop Drawings: Indicate layout, dimensions, details of fabrication and installation. Include plans, elevations, sections, and attachments to other Work.
 - 3. Assurance/Control Submittals:
 - a. Certificates: Manufacturer's certificate that Products meet or exceed specified requirements.
 - b. Manufacturer's Instructions: Indicate component installation assembly, and installation instructions.
- B. Section 01780 - Closeout Submittals: Procedures for closeout submittals.
 - 1. Operation and Maintenance Data: Include spare parts data, current unit prices, sources of supply, and maintenance instructions.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Section 01600 - Product Requirements: Transport, handle, store, and protect Products.
- B. Deliver materials to project site in manufacturer's original unopened protective packaging.
- C. Identify contents, manufacturer, brand name, and applicable standards.
- D. Store materials in area protected from weather and construction operations.
- E. Protect Work from damaged during transportation, storage at Project Site, and throughout tenure of work. Protect adjacent Work and materials from damage during progress of specified Work. Damaged Work

shall be repaired or replaced at no additional cost to the United States Postal Service. Furnish receipts of all loose or detachable parts.

PART 2 PRODUCTS

NOTE TO SPECIFIER

Verify manufacturer information, Product numbers, and availability at time of Project Manual preparation for Project with Contracting Officer.

2.1 MANUFACTURERS

- A. Subject to compliance with project requirements, manufacturers offering Products which may be incorporated in the Work include the following:
1. American Locker Security Systems, Inc., Jamestown, NY (800) 828-9118.
 2. HSS Industries, Inc., Traverse City, MI (800) 330-9701.
 3. Secura Locker, Chatsworth, CA (818) 709-4933.
 4. Tiffin Systems, Tiffin, OH, (800) 537-0983.
- B. Section 01600 - Product Requirements: Product options and substitutions. Substitutions: Permitted.

2.2 PARCEL LOCKERS

- A. Model:
1. American: Statesman.
 2. HSS: PL series.
 3. Secura.
 4. Tiffin: Sentinel Security Lockers.

2.3 MATERIALS

- A. Sheet Steel: Zinc-coated steel, nickel bearing, free from buckle, scale, and surface imperfections. Steel to be phosphate-treated, baked-on prime paint with baked enamel finish coat.
- B. Finish: Custom finish and color.
- a. Coating Type: Polyester/Acrylic.
 - b. Color of Trim: Black, as delivered.

NOTE TO SPECIFIER

Verify color of faceplate with Contracting Officer (silver is typically provided).

- c. Color of Faceplate: [Silver to match finish of P.O. Boxes] [_____].
 - d. Gloss: 35-Ultrahigh.
 - e. Edge Coverage: Good.
 - f. Specific Gravity: 1.20 + 1.80.
 - g. Average Particle Size: 24-40 Microns (per ASTM-D1921).
 - h. Chip Resistance: Minimum Rating of 5.
- C. Fasteners: Cadmium, zinc, nickel plated steel; exposed both heads, slotless type; self-locking nuts or locker washers for nuts on moving parts.

2.3 MANUFACTURED UNITS

- A. Select model and quantity of parcel lockers as directed by Contracting Officer from the following (based on Sentinel Postal Pass-Thru/Evidence Lockers, manufactured by Tiffin Systems):
1. Size: 15 inches wide x 18 inches deep x 60 inches high:
 - a. Model #1565 (5 compartments)
 - b. Model #1564 (4 compartments)
 - c. Model #1563 (3 compartments)
 2. Size: 12 inches wide x 18 inches deep x 60 inches high:
 - a. Model #1262 (2 compartments)
- B. Select model and quantity of parcel lockers as directed by Contracting Officer from the following (based on HSS Industries lockers, as approved by the USPS, which slide into the USPS provided post office box rack ladder system):
1. Model PL-1 (1 compartment), size: 22.5 inches wide x 15.5 inches deep x 11.75 inches high.
 2. Model PL-2 (2 compartment), size: 22.5 inches wide x 15.5 inches deep x 11.75 inches high.
 3. Model PL-3 (1 compartment), size: 22.5 inches wide x 15.5 inches deep x 23.5 inches high.
 4. Model PL-DRD (rear doors), size: 22" wide x 60 inches high (Required for all installations).
 5. Model PL-15 (1 compartment), size: 14.5 inches wide x 15.5 inches deep x 11.75 inches high.
 6. Model PL-SRD (rear door), size: 13.5 inches wide x 60 inches high (Required for all PL-15 installations).

2.4 ACCESSORIES

- A. Locking: Fabricate lockers to receive the following locking devices.
1. Locking Mechanism (Customer Side): Each parcel locker module shall be secured with a U.S. Postal Service furnished 306 lock. (Manufacturers providing an installed lock equal to the 306 lock will be acceptable). Upon opening the compartment with a customer key to remove the contents, the customer key shall remain trapped. Three customer keys shall be provided for each compartment lock. The locks shall be so located to allow for easy replacement if they should be damaged or inoperable. Provide proper holes for USPS supplied and installed "Arrow" lock, above the 306 lock. The Arrow lock enables the Postal Service to unlock the trapped customer key with a master key.
 2. Locking Mechanism (Postal Side): Full length door, minimum 16 GA., locked closed by a 1/2 inch (13 mm) x 3/4 inch (19 mm) slam lock bolt at top and bottom of door. The latch mechanism and cables shall be covered or enclosed to prevent tampering. The mechanism will be spring loaded to return to the locked position when handle is released or door is slammed shut. The door may be secured by turning the handle and closing the door or slamming the door shut so that the slam lock bolts engage.
- B. Number Plates: Manufacturer's standard stainless steel metal number plates with numerals not less than 3/8 inch (9 mm) high. Number lockers in sequence as directed by Contracting Officer. Attach plates to each locker above keyway with minimum 2 fasteners of same finish as number plate.
- C. Trim: Provide black fillers and/or closure panel trim at jambs and head of recessed lockers, consisting of minimum 18 gage cold-rolled steel, 3 inch (8 cm) and 6 inch (15 cm) wide factory-finish trim where indicated to match lockers. Secure trim to lockers with concealed fastening clips.

2.5 FABRICATION

- A. Construction: Fabricate lockers square, and without warp, with metal faces flat and free of dents or distortion. Make all exposed metal edges safe to touch. Weld frame members together to form rigid, one-piece structure. Weld, bolt, or rivet other joints and connections as standard with manufacturer. Grind exposed welds flush. Do not expose bolts or rivet heads on fronts of locker doors and frames.

- B. Frames: Fabricate of 16 gage channels or 12 gage angles, minimum with continuous stop/strike formed on vertical members.
- C. Interior: Side panels to be flush constructed to inside of frames for easy removal of customer packages. Offset frame-to-side panel or protrusions into the opening are not permitted. From customer side, through compartment - postal floor shall not be visible with postal side door closed and latched. Provisions for attaching lockers together in at least two places front and back.
- D. Body: Fabricate top, bottom and sides of minimum 24 gage steel, with double flanged connections extending full height.
- E. Front Frame and Doors: One piece, minimum 16 gage sheet steel, without louvers, flanged at all edges, constructed to prevent springing when opening or closing. Fabricate to swing minimum 90 degrees.
 - 1. Reinforcing: Provide extra bracing or reinforcing on inside of doors over 15 inches (38 cm) wide.
 - 2. Hinges: Heavy-duty, stainless steel, concealed full loop hinges. Weld to inside of frame and secure to door with minimum 2 factory-installed fasteners which are completely concealed and tamperproof when door is closed. Front door shall have self-closing hinges.
- F. Rear Doors: Provide doors without louvers on back of lockers for access by postal employees from space behind public areas. The rear door shall be supported by a continuous hinge on one side. The rear door must be design and fabricated to preclude access from one compartment to another for the purpose of vandalism or unlawful removal of compartment contents and to prevent access to the workroom floor. Opening the rear door shall expose all compartments within a module for easy access and deposit of parcels.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01700 - Execution Requirements: Verification of existing conditions before starting work.
- B. Verification of Conditions: Verify that field measurements, surfaces, substrates and conditions are as required, and ready to receive Work.
- C. Report in writing to Contracting Officer prevailing conditions that will adversely affect satisfactory execution of the Work of this Section. Do not proceed with Work until unsatisfactory conditions have been corrected.
- D. By beginning Work, Contractor accepts conditions and assumes responsibility for correcting unsuitable conditions encountered at no additional cost to the United States Postal Service.

3.2 PREPARATION

- A. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication of special components, when possible, to ensure proper fitting of work. However, allow for adjustment and fitting of trim and filler panels whenever taking of field measurements before fabrication might delay Work.

3.3 INSTALLATION

- A. Install metal lockers at locations indicated on Drawings in accordance with manufacturer's published instructions.
- B. Install lockers plumb, level, rigid, and flush.

- C. Space fastenings about 48 inches (1.2 m) on center, unless otherwise recommended by manufacturer. Install through back-up reinforcing plates where necessary to avoid metal distortion. Conceal fasteners.
- C. Install trim where indicated, use concealed fasteners to provide flush, hairline joints with adjacent surfaces.
- D. Provide door with flush fit at cross sill when in closed position to maximize intercompartment security. Gaps not permitted.

3.4 FIELD QUALITY CONTROL

- A. Section 01450 - Quality Control: Field testing and inspection.
- B. Inspect installation of lockers, attachment, and alignment with adjacent finishes.
- C. Operate locker doors and locking devices.

3.6 ADJUSTING AND CLEANING

- A. Adjust doors and latches to operate easily without binding. Verify that integral locking devices are operating properly.
- B. Touch-up marred finishes. Use only materials and procedures recommended or furnished by locker manufacturer. Replace units which cannot be restored to factory-finished appearance.

END OF SECTION

.....
NOTE TO SPECIFIER

Coordinate the following items with Contract Drawings.

DRAWING COORDINATION ITEMS

Drawings should indicate the following information related to this Section.

1. Location and number of required locker units.
 2. Style and sizes of compartments, compartment arrangement, and size of units.
 3. Size and location of recessed openings, if any, with details of installation.
-