

SECTION 11055
BOOK DEPOSITORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings
- B. Book 1: Project Information, Instructions to Bidders, and Execution Documents
- C. Book 2: Standard Terms and Conditions for Construction Contracts
- D. Book 2A: Standard Terms and Conditions Procedures Manual

1.2 SUMMARY

- A. Section Includes:
 - 1. Exterior mounted book returns.
 - 2. Book returns carts.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of postal specialty. Include copy of warranty.
- B. Shop Drawings: For book depositories. Include plans, elevations, sections, details, and attachments to other work.
 - 1. Include setting drawings, templates, and installation instructions for anchor bolts and other anchorages installed as part of the work of other Sections.
- C. Maintenance Data: Include manufacturer's standard maintenance data for book returns and carts.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver lock keys to Owner by registered mail or overnight package service with a record of each corresponding lock and key number.

1.5 COORDINATION

- A. Templates: Obtain templates for installing book depositories and distribute to parties involved.

1.6 WARRANTY

- A. Provide a manufacturer's Lifetime Warranty against defects in materials and workmanship for both the book returns and the book carts. Warranty shall state that the products will be in good working order for the product's lifecycle. Should product fail during the warranty period, manufacturer will, at its discretion, repair or replace products at no charge.
 1. The Lifetime Warranty does not apply if abuse, misuse, accident, disaster, vandalism, or non-manufacturer authorized modification or repair occurs. To keep the warranty in effect the equipment shall be maintained in accordance with the manufacturer's printed maintenance instructions submitted with the Maintenance Data specified above.
- B. Moving parts subject to normal wear and tear (springs, casters, padding, etc.) shall have a two year part replacement warranty.

PART 2 - PRODUCTS

2.1 PRODUCTS

- A. Book Returns:
 1. Sole Source Manufacturer: Subject to compliance with requirements, provide the following product:
 - a. Kingsley Contempra Model # ~~00-8850~~ 00-0850
 2. Dimensions:
 - a. 30" wide x 37 1/2" long x 56-1/4" high
 - b. Drop Opening: 3-7/8" wide x 17-7/8" long.
 3. Construction Materials:
 - a. Cabinet: 18 gauge Stainless Steel Hood.
 - b. Access door and Bottom: 16 gauge Stainless Steel.
 - c. Depository and Chute: Stainless steel one hand quick drop.
 4. Construction Methods:
 - a. Access Door Header: Welded in place
 - b. Hood: One piece top and sides. Faceplate and rear plate welded in place. Fully sealed to prevent leaking.
 - c. The hood can be field rotated 360 degrees.
 - d. Bottom: Full bottom raised 3/4" with ramp, welded in place.
 5. Weather Resistance:
 - a. No corner seams to leak or pull apart in heavy winds or under weight of snow.
 - b. Sealed depository and access doors.
 - c. Sloped bottom to shed water from inside the unit. Slopped and radius top to help shed water.
 6. Theft Deterrence:
 - a. Theft deterrent chute design with heavy duty keyed paddle lock. Full length stainless hinge on access door

7. Fire Suppression: Air tight design smothers most fires in under 1 minute
8. Wording: On the front only (slot side) "BOOK RETURN", "AUDIO VISUAL RETURN" around library logo.
9. Locking Method: Depository Opening: Two keyed cam locks.
10. Cart Access Door: 3 point locking (top, bottom, opening side. Keyed paddle lock with weather sealed lock cover to prevent freezing and keep dirt out.
11. Liquid Drainage System: Designed to divert liquid away from the collection area.
12. Exterior and Interior Finish: Stainless steel with #4 grain; passivated.
13. Interior Finish: Same as exterior.

B. Book Return Carts

1. Sole Source Manufacturer: Subject to compliance with requirements, provide the following product:
 - a. Kingsley Company Cart Model # 30-9050/39-9050
2. Dimensions:
 - a. Cart: 26" x 26" x 39-1/2" high
 - b. Capacity: Approximately 330 standard books or 825 standard DVD's.
3. Materials and Fabrication:
 - a. Outer shell: .050 inch thick aluminum.
 - b. 0.063 inch thick aluminum float tray with a thick felt pad cover. Outer shell: two pieces, welded seams.
 - c. Bottom: .063 inch thick aluminum with an access opening. 1" diameter steel handle. Bottom panel welded in place.
 - d. Casters: Four corner located casters. Two swivel and two lock. 4" diameter. Non-marring. Plate mounted. Ball bearing.
 - e. Platform: Float tray lowers as materials are received and raises as materials are removed helping to eliminate strain on the back and shoulders. Wide, fully adjustable handle.
 - f. Finish: Black textured powder coat on all surfaces of shell and bottom

2.2 MATERIALS, GENERAL

- A. Stainless-Steel Sheet: ASTM A 666, Type 304.
- B. Stainless-Steel Anchor Bolts, Nuts, and Washers: ASTM A 193/A 193M, Grade B8M, Type 316.
- C. Aluminum Plate and Sheet: ASTM B 209, Alloy 6061-T6.
- D. Aluminum Extrusions: ASTM B 221, Alloy 6063-T6.
- E. Bituminous Coating: Cold-applied asphalt emulsion complying with ASTM D 1187.

2.3 GENERAL FABRICATION

- A. Form book depositories to required shapes and sizes, with true lines and angles, square, rigid, and without warp, and with metal faces flat and free of dents or distortion. Make exposed metal edges and corners free of sharp edges and burrs and safe to touch. Fabricate doors of book depositories to preclude binding, warping, or misalignment.
- B. Preassemble book depositories in shop.
- C. Mill joints to a tight, hairline fit. Cope or miter corner joints. Form joints exposed to weather to exclude water penetration.
- D. Drill or punch holes required for fasteners and remove burrs. Use security fasteners where fasteners are exposed. If used, seal external rivets before finishing.
- E. Weld in concealed locations to greatest extent possible without distorting or discoloring exposed surfaces. Remove weld spatter and welding oxides from exposed surfaces.
- F. Where dissimilar metals will contact each other, protect against galvanic action by painting contact surfaces with bituminous coating or by applying other permanent separation as recommended by manufacturers of dissimilar metals.

2.4 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.5 STAINLESS-STEEL FINISH

- A. General: Remove tool and die marks and stretch lines or blend into finish.
- B. Grind and polish surfaces to produce uniform, directionally textured, polished finish indicated, free of cross scratches. Run grain with long dimension of each piece.
- C. Directional Satin Finish: No. 4.
 - 1. Grain Direction: Parallel to long dimension of member.

2.6 ALUMINUM FINISH

- A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.

1. Baked-Enamel or Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils (0.04 mm). Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.
 - a. Color and Gloss: As indicated by manufacturer's designations.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine walls and other adjacent construction for suitable conditions where units will be installed.
- B. For the record, prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Install book depositories level and plumb, according to manufacturer's written instructions and roughing-in drawings.
 1. Where dissimilar metals will be in permanent contact with each other, protect against galvanic action by painting contact surfaces with bituminous coating or by applying other permanent separation as recommended by manufacturer for this purpose.

3.3 ADJUSTING, CLEANING, AND PROTECTION

- A. Remove temporary protective coverings and strippable films, if any, as book depositories are installed unless otherwise indicated in manufacturer's written installation instructions.
- B. Adjust doors, hardware, and moving parts to function smoothly, and lubricate as recommended by manufacturer. Verify that integral locking devices operate properly.
- C. Care & Maintenance: To maintain door locks, lubricate periodically with common household/automotive lubricant.
- D. Replace book depositories that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 11055