

DIVISION 10 - SPECIALTIES

SECTION 105113 – METAL EVIDENCE LOCKERS (STANDARD AND REFRIGERATED, PASS-THRU AND NON-PASS-THRU.)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes the following:
Standard and Refrigerated Pass-thru and Non Pass-thru Evidence Lockers
- B. Related Work, Not Furnished:
Finish floor covering materials and installation.
- C. Related Sections:
[Sections in Division 9 – Finishes, relating to finish floor and base materials.]
- D. Allowances:
- E. Alternates:

1.3 REFERENCES

- A. American National Standards Institute (ANSI) Standards:
Applicable standards for fasteners used for assembly.
- B. American Society for Testing and Materials (ASTM) Standards:
Applicable standards for steel sheet materials used for fabrication.
Applicable standards for the testing of electrostatically applied Powder Coat Paint
- C. American Institute Of Steel Construction (AISC) Standards:
Applicable standards for steel materials used for fabrication.

1.4 DESCRIPTION

- A. General: Metal Evidence Lockers
- B. Finishes:
Fabricated Metal Components and Assemblies: All components to be painted with an electrostatically applied Powder Coat paint that can meet or exceed test requirements set out by ASTM standard D3451-06 Standard Guide for Testing Coating Powders and Powder Coatings.

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C. Sizes:

Available in nominal heights of [82] [63.282] [44.562] inches ([2,083MM] [1,607.363MM] [1131.875MM])

Available in nominal widths of [36] [24] [18] [12] inches ([914MM] [609MM] [457MM] [304.8MM]) as noted on drawings.

Available in a nominal depth of [24] inches ([609MM]) as noted on drawings.

1.5 PERFORMANCE REQUIREMENTS

A. Design Requirements:

B. Limit overall width to [0.032] inches [0.793MM] greater or less than the nominal specified width.

C. [Seismic Performance: Provide Metal Evidence lockers capable of withstanding the effects of earthquake movement when required by applicable building codes.]

1.6 SUBMITTALS

A. Product Data: Submit manufacturer's product literature and installation instructions for each type of evidence lockers required. Include data substantiating that products to be furnished comply with requirements of the contract documents.

B. Shop Drawings: Show fabrication, assembly, and installation details including descriptions of procedures and diagrams. Show complete extent of evidence lockers installation layout including quantities, locations and types of accessory units required. Include notations and descriptions of all installation items and components.

Show installation details at non-standard conditions, if any.

Provide layout, dimensions, and identification of each unit corresponding to sequence of installation procedures.

Provide installation schedule and procedures to ensure proper installation.

C. Samples: Provide minimum 3 inch (76MM) square example of each color and texture on actual substrate for each component to remain exposed after installation.

D. Selection Samples: For initial selection of colors and textures, submit manufacturer's color charts consisting of actual product pieces, showing full range of colors and textures available.

E. Warranty: Submit draft copy of proposed warranty for review by the [Architect] [Architect/Engineer] [Engineer] [Designer].

F. Maintenance Data: provide written documentation of the manufacturer's statement claiming the maintenance free nature of the product.

G. [Reference List: Provide a list of recently installed evidence lockers to be visited by owner, architect, and contractor. Intent of list is to aid in verifying the suitability of manufacturer's products and comparison with materials and product specified in this section.]

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1.7 QUALITY ASSURANCE

- A. **Manufacturer Qualifications:** Engage an experienced manufacturer who is ISO 9001 certified for the design, production, installation and service of evidence lockers. Furnish certification attesting ISO 9001 quality system registration.
- B. **Installer Qualifications:** Engage an experienced installer who is a manufacturer's authorized representative for the specified products for installing evidence lockers.

Minimum Qualifications: 1-year experience installing evidence lockers of comparable size and complexity to specified project requirements.

1.8 DELIVERY, STORAGE AND HANDLING

- A. Follow manufacturer's instructions and recommendations for delivery, storage and handling requirements.

1.9 PROJECT CONDITIONS

- A. **Field Measurements:** Verify quantities of evidence lockers before fabrication. Indicate verified measurements on Shop Drawings. Coordinate fabrication and delivery to ensure no delay in progress of the Work.
- B. **Established Dimensions:** Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating evidence lockers units without field measurements. Coordinate construction to ensure actual dimensions correspond to established dimensions.

1.10 [SEQUENCING AND SCHEDULING]

- A. Sequence evidence lockers units [with other work] to minimize possibility of damage and soiling during remainder of construction period.
- B. Schedule installation of specified evidence lockers after finishing operations; including painting have been completed.
- C. Provide components which must be built in at a time which causes no delays general progress of the Work.
- D. **Pre-installation Conference:** Schedule and conduct conference on project site to review methods and procedures for installing evidence lockers including, but not limited to the following:

Recommended attendees include:
 - 1. Owner's Representative.
 - 2. Prime Contractor or representative.
 - 3. The [Architect] [Architect/Engineer] [Engineer/Architect] [Engineer] [Designer].
 - 4. Manufacturer's representative.
 - 5. Subcontractors or installers whose work may affect, or be affected by the work of this section.

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1.11 WARRANTY

- A. Provide a written warranty executed by Contractor, Installer and Manufacturer, agreeing to repair or replace units which fail in materials or workmanship within the established warranty period. This warranty shall be in addition to and not a limitation of other rights the Owner may have under the General Conditions provisions of the Contract Documents.
- B. Limited Lifetime Warranty: Subject to the terms in the written warranty, warrant the original purchaser exclusively that the locker frames manufactured by it will be free from defects in materials and workmanship for the lifetime of the locker. Warrant the original purchaser exclusively that all moving parts manufactured by it will be free from defects in materials and workmanship for 5 years.
- C. Warrants that all refrigeration units shall be free from defects in materials and workmanship for one (1) year from the date of the customer's written acceptance of installation. During the 1-year warranty period, all parts are included at no cost for 1 year. Labor is included at no cost during the first year of the 1-year warranty period. After the first year of the 1-year warranty, all labor will be charged at the current rate.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. General: Products are based upon mobile shelving system products manufactured by Spacesaver Corporation. Spacesaver or equal as determined by owner/architect.

Contact: sales@bradfordsystems.com or by phone: 800-696-3453

2.2 BASIC MATERIALS

- A. General: Provide materials and quality of workmanship, which meets or exceeds established industry standards for products specified. Use furniture grade sheet metal and fasteners for component fabrication unless indicated otherwise. Material thicknesses/gauges are manufacturer's option unless indicated otherwise.

2.3 LOCKER TYPES

- A. [Pass-thru evidence lockers]
- B. [Non pass-thru evidence lockers]
- C. [Pass-thru refrigerated evidence lockers]
- D. [Non pass-thru refrigerated evidence lockers]

2.4 MANUFACTURED COMPONENTS, STANDARD EVIDENCE LOCKERS

- A. Welded Frame:
 - 1. The welded frame is structural and shall consist of top, bottom, back and sides constructed of a minimum of 18 gage (1.21MM) steel. All frame components shall be joined using resistance welding. Riveting or bolting of structural members will not be permitted.

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2. Horizontal and vertical outer front flanges will be a minimum of 1.5 inches (38MM). Horizontal and vertical flanges will overlap with a minimum of 2 resistance welds per corner.
 3. Center vertical lock housing is structural and will run the full height and depth of the locker. All locks will be completely enclosed by a full height removable panel. Pass-thru rear release mechanisms will be completely enclosed by the lock housing and accessible only when the rear door is open. Provide engagement points for the anti-pry tabs that are on all front doors.
 4. Exposed lock mechanisms that can snag evidence and be obstructed by stored articles will not be permitted.
- B. Welded Bases:
1. Each welded base shall be permanently affixed to each locker using modern Inert Gas Metal Arc Welding techniques for lateral unit stability. The base shall be a minimum of 14 gage (1.98MM) steel 4 inches (101MM) high with a 1.5 inch (38MM) return on the bottom for support.
 2. Provide four 0.375 inch (9.5MM) mounting holes and four 0.375 inch (9.5MM) nuts welded in place for the mounting of floor levelers. Provide four appliance levelers per locker.
 3. Provide removable access panels for access to mounting holes and leveling points.
- C. Shelves:
1. Shall be a single-piece formed from a minimum of 18-gage (1.21MM) cold rolled steel with a double 90-degree bend on the rear of the shelf and a double 90-degree bend on the front of the shelf. Shelf sides shall be turned up 90-degrees for ease of cleaning and to prevent debris from becoming caught between the shelf and the sidewall.
 2. All shelves shall be welded into place. Rivets, screws, bolts or other loose fasteners will not be permitted for the fastening of shelves to the locker frame.
- D. Locks:
1. Patent Pending. Lock shall be push button locking with a stainless steel push button and alignment bezel. Locks shall be a one-piece removable design. Locks will secure the door with the single push of a button with no other action required by the user.
 2. Locks will be deadbolt type locks with multi-point engagement. Rotary latches or cam locks will not be tolerated.
 3. Pass-thru locks will be reset from the rear of the locker when the rear door is in the open position only.
 4. Non Pass-thru locks will be reset from the front of the locker using tube type locks keyed to differ.
 5. Provide documentation for cycle testing where locks are tested successfully to a minimum 40,000 cycles without failure.
 6. Locks shall be pre-lubricated with no maintenance required for the lifetime of the unit (estimated at 20 years).
- E. One Piece Welded Doors:
1. Shall be formed from two pieces of minimum 18-gauge (1.2MM) cold rolled steel box formed and welded together using modern GMAW techniques. The one piece door with

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inner and outer door skins shall have a combined steel thickness of no less than 0.096 inches (2.4MM) thick.

2. Each door shall have a nickel plated, flush mounted door handle installed with fasteners visible only in the unlocked position.
3. Provide neoprene silencers on each door.
4. Provide anti-pry tabs that engage with the Center Vertical Lock Housing when the door is locked.
5. Doors shall have no moving parts except the door and the hinge.
6. Provide stainless steel spring loaded hinges that are welded to prevent pin removal. Spring loaded hinges shall be capable of holding the door closed and flush with the door frame. Doors that hang ajar are a safety concern and will not be tolerated.

F. Rear Doors (Pass-thru lockers)

1. Shall be formed from two pieces of minimum 18-gauge (1.2MM) cold rolled steel box formed and welded together using modern Inert Gas Metal Arc Welding techniques. The one piece door with inner and outer door skins shall have a combined steel thickness of no less than 0.096 inches (2.4MM) thick.
2. Each locker module shall have one rear door each and allow evidence to be removed from all compartments at once.
3. Each rear door shall have multi-point engagement with a built-in L handle lock. Access to all lock mechanisms shall be hidden behind cover plates that are secured with tamperproof fasteners.

G. ACCESSORIES:

1. [(Optional) Security mail slots: Provide manufacturer's standard.]
2. [(Optional) Mesh rear doors: Provide manufacturer's standard.]
3. [(Optional) Front door lock out system: Provide manufacturer's standard.]

2.5 MANUFACTURED COMPONENTS, REFRIGERATED EVIDENCE LOCKERS

A. Small Refrigerators

1. Available with [2] [3] [4] compartments each individually locking without keys.
2. [Factory installed into a standard evidence locker.]
3. [Available as a stand alone model 44 inches high (1118MM) by 18.75 inches wide (476) by 24 inches (609MM).]
4. Pass-thru is emptied and reset from the rear at the push of a button.
5. Non pass-thru is emptied and reset from the front with a keyed release mechanism.
6. Shall have a stainless steel interior with spring loaded door hinges to hold each door closed.
7. Shall have magnetic seals on outer door[s].
8. Shall have circulation fans that can maintain a consistent temperature throughout the interior of the fridge.
9. Shall have digital controls with settings preset to maintain 38° to 42° Fahrenheit.
10. Shall have an audible alarm.

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B. Large Refrigerators

1. Available with [4] [6] [8] [10] [12] [15] [18] [24] compartments each individually locking without keys. 82 inches high (2083MM) by 36 inches wide (914MM) by 24 inches deep (609MM).
2. Pass-thru is emptied and reset from the rear at the push of a button.
3. Non pass-thru is emptied and reset from the front with a keyed release mechanism
4. Shall have a stainless steel interior with spring loaded door hinges to hold each door closed.
5. Shall have magnetic seals on outer door[s.]
6. Shall have circulation fans that can maintain an even temperature throughout the interior of the fridge.
7. Shall have digital controls with all settings preset to maintain 38° to 42° Fahrenheit.
8. Shall have an audible alarm.

C. Half Height Refrigerators

1. Available with [6] and [10] compartments each individually locking without keys.
2. Refrigerator is 37.44 inches high (950.96mm) [41.44 inches high with base] by 36 inches wide (914MM) by 24 inches deep (609MM).
3. Pass-thru is emptied and reset from the rear at the push of a button.
4. Non pass-thru is emptied and reset from the front with a keyed release mechanism
5. Shall have a stainless steel interior and exterior and use 100% CFC free polyurethane foam insulation
6. Shall have magnetic seals on outer door[s.]
7. Chamber cooling provided via cold (forced) air circulation
8. Shall have digital controls with all settings preset to maintain 38° to 42° Fahrenheit.
9. Shall have an audible alarm.

2.6 FABRICATION

- A. General: Coordinate fabrication and delivery to ensure no delay in progress of the Work.

2.7 FINISHES

- A. Colors: [Selected from manufacturer's standard available colors.] [Provide in custom colors as selected by [Architect] [Architect/Engineer] [Engineer.]
- B. Paint Finish: Provide factory applied electrostatic powder coat paint. Meet or exceed specifications of the American Society for Testing and Materials (ASTM) standards.

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PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine evidence lockers scheduled to receive accessories [with Installer present] for compliance with requirements for installation tolerances and other conditions affecting performance of specified accessory items.
- B. Proceed with accessory installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Follow manufacturer's written instructions for installation of each type of accessory item specified.

3.3 FIELD QUALITY CONTROL

- A. Verify accessory unit alignment and plumb after installation. Correct if required following manufacturer's instructions.
- B. Remove components that are chipped, scratched, or otherwise damaged and which do not match adjoining work. Replace with new matching units, installed as specified and in manner to eliminate evidence of replacement.

3.4 ADJUSTING

- A. Adjust all accessories to provide smoothly operating, visually acceptable installation.

3.5 CLEANING

- A. Immediately upon completion of installation, clean components and surfaces. Remove surplus materials, rubbish and debris resulting from installation upon completion of work and leave areas of installation in neat, clean condition.

3.6 DEMONSTRATION/TRAINING

- A. Schedule and conduct demonstration of installed accessory items and features with Owner's personnel.
- B. Schedule and conduct maintenance training with Owner's maintenance personnel. Training session should include lecture and demonstration of all maintenance and repair procedures that end user personnel would normally perform.

3.7 PROTECTION

- A. Protect system against damage during remainder of construction period. Advise Owner of additional protection needed to ensure that system will be without damage or deterioration at time of substantial completion.

END OF SECTION