

SECTION 10 51 13
METAL EVIDENCE LOCKERS

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Metal evidence locker units with hinged doors. (PASS THRU DESIGN)

1.2 REFERENCES

- A. ASTM International (ASTM) *A653/A653M* - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvanized) by the Hot-Dip Process.

1.3 SYSTEM DESCRIPTION

A. Metal Lockers:

1. Configuration: Pass-through.
2. Mounting: Surface
3. Contain multiple compartments of varying sizes as indicated on Drawings.

1.4 SUBMITTALS

A. Submittals for Review:

1. Shop Drawings: Include dimensioned plans and elevations showing locker layout and relationship to adjacent construction.
2. Product Data: Manufacturer's descriptive data.
3. Samples: 3-1/4 x 1-1/2 inch paint samples showing available colors.

1.6 WARRANTIES

- A. Provide manufacturer's 5 year warranty against defects in materials and workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Products are based upon Metal Evidence Lockers as manufactured by Tiffin Metal Products and distributed by VAULTMASTERS, LLC (www.vaultmasters.com) or approved equal.

2.2 MATERIALS

A. Steel Sheet:

1. ASTM *A1008/A1008M*.

2.3 FABRICATION

- A. Construction:
 - 1. Doors, frames, shelves, tops, bottoms, and exposed sides: Minimum 16-gauge steel.
- B. Limit overall width to 0.032 inches 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.

2.4 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 or Architect's Design Engineer.
- F. Maintenance Data: provide written documentation of the manufacturer's statement claiming the maintenance free nature of the product.

2.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Engage an experienced manufacturer who is ISO 9001 certified for the design, production, installation and service of evidence lockers.
- B. Installer Qualifications: Lockers are to be supplied and installed by VAULTMASTERS, LLC certified installation team. No Exceptions. The General Contractor or a Third Party installer shall not be permitted to furnish or install these locker units. Final Warranty will be certified after installation completion.

2.6 DELIVERY, STORAGE AND HANDLING

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

2.7 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 locker units without field measurements. Coordinate construction to ensure actual dimensions correspond to established dimensions.

2.8 SEQUENCING AND SCHEDULING

- A. Sequence evidence lockers units with other work to minimize the possibility of damage and the 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.

2.9 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. Warranty: Subject to the terms in the written warranty, warrant that the lockers and locker frames manufactured will be free from defects in materials and workmanship for a period of 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 One (1) year warranty period, all parts are included at no cost for 1 year.

PART 3 - PRODUCTS

3.1 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.

3.2 LOCKER TYPES

- A. Pass-thru evidence lockers
- B. Models: 14,23,15, 15 (with mail slot)

3.3 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.
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 Two (2) resistance welds per comer.
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 that can be obstructed by stored articles will not be permitted.

B. Welded Bases:

1. Each welded base shall be permanently affixed to each locker using modem 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. The 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 permitted.
3. Pass-thru locks will be reset from the rear of the locker when the rear door is in the open position only.
4. Provide documentation for cycle testing where locks are tested successfully to a minimum 40,000 cycles without failure.

5. 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 IS-gauge (1.2MM) cold rolled steel box formed and welded together using modern GMA W 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 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 permitted.

F. Rear Doors (pass-thru lockers)

1. Shall be formed from two pieces of minimum IS-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. Security mail slot: Provide manufacturer's standard. One as shown.
2. Front door lock out system: Provide manufacturer's standard.

3.4 FABRICATION:

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

3.5 FINISHES

- A. Colors: Selected from manufacturer's standard available colors.
- B. Paint Finish: Provide factory applied electrostatic powder coat paint. Meet or exceed specifications of the American Society for Testing and Materials (ASTM) standards.

PART 4 – EXECUTION / INSTALLATION

4.1 EXAMINATION

- A. Examine evidence lockers scheduled to receive accessories 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.

4.2 INSTALLATION

- A. Installation and Testing shall be performed by VAULTMASTERS' technically trained installation team. No Exceptions. This is to ensure quality control of the end user's finished locker product.
- B. Verify accessory unit alignment and plumb after installation.
- C. Adjust all accessories to provide smoothly operating, visually acceptable installation.

4.3 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.

END OF SECTION