



UNIVERSAL WEAPONS STORAGE

SECTION – 10505 SPECIALTY

SECTION 10505

METAL LOCKERS – SECURED WEAPONS STORAGE CABINETS

PART 1 GENERAL

1.1. RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Related Specifications Sections, apply to this Section.

1.2. SUMMARY

- A. This section includes the following :
 - 1. Secured Weapons Storage Cabinets for long-gun, hand-gun, and weapon accessory storage.

1.3. PERFORMANCE REQUIREMENTS

- A. Seismic Performance : Provide fixed secured weapons storage cabinet capable of withstanding the effects of earthquake motions determined according to the building codes.
- B. Design Requirements : All secured weapons storage cabinet elevations as [per attached drawings] or [described in the specifications].
- C. Color Card : All available color selections. Vendors must provide a minimum of 12 color selections - powder coat paint finish.
- D. Installer Certificates : Signed by manufacturer certifying that installers comply with specified requirements.
- E. Product Certification : Submit manufacturer's certification that products comply with requirements of the specifications. A list of deviations must be provided for all items not meeting the specifications. The document must include appropriate justification of the alternate proposed design.
- F. Warranty : Submit a written warranty, executed by Contractor, Installer and Manufacturer, agreeing to repair or replace units that fail in materials or workmanship within the specified warranty period. This warranty shall be in addition to, not limitation of other rights the Owner may have against the Contractor under Contract Documents.

The entire secured weapons storage cabinet installation will be warranted against defects in materials for five (5) years and workmanship for a period of one (1) year from date of acceptance by the Owner.

- G. Reference list : Provide a list of three (3) fixed storage installations to be called or visited by Owner, Architect and Construction Manager. Installation must be of similar size, scope of specified system. Visit is intended to witness operation and quality of installation. Manufacturer is required to address all issues raised by Owner, Architect and Construction Manager. List must include contact names, phone numbers, size and quality of carriages and system operation.
- H. Mandatory : Manufacturers must be ISO 9001:2008 certified. Submit ISO certification with proposal.

1.4. QUALITY ASSURANCE (Submittals due to all bidding contractors at time of bid, failure to do so will be cause for disqualification.)

- A. Manufacturer's Certifications : Separate written Certifications by manufacturer on manufacturer's letterhead at time of bid required stating compliance with all specifications of shelving systems. Shelving certifications must confirm compliance with all shelf sizes and gauges as noted in these specifications.

1.5. PROJECT CONDITIONS

- A. Field Measurements : Verify secured weapons storage cabinet unit location by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
 - 1. Established Dimensions : Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating shelving units without field measurements. Coordinate construction to ensure actual dimensions correspond to established dimensions.
- B. Delivery, Storage, & Handling : Comply with instructions and recommendations of manufacturer for special delivery, storage and handling requirements.
- C. Sequence & Scheduling : Sequence secured weapons storage cabinet system installation with other work to minimize possibility of damage and soiling during remainder of construction period.
- D. Preinstallation Conference : Conduct conference at project site. Review methods and procedures related to installation of fixed storage units including, but not limited to, the following :
 - 1. Inspect and discuss condition and levelness of flooring and other preparatory work performed under other contracts.
 - 2. In addition to the Contractor and the installer, arrange for the attendance of the following :
 - a. Other installers affected by the work of this section.
 - b. The Owner's representative.
 - c. The Architect.
 - d. Manufacturer's representative.

PART 2 PRODUCTS

2.1 MATERIALS – SECURED WEAPONS STORAGE CABINETS

- A. Cabinet: The cabinet shall be a one-piece assembly with an outside width of 42.375” (1076mm), a useable width of 34.375”(873mm), an outside height of 44.726”(1136mm), 60.726”(1542mm), and an outside depth of 16.25”(412mm). The cabinet walls shall be constructed of 16 gauge steel. The rear wall of the cabinet shall consist of three 14 gauge (1.9mm) steel upright posts with keyhole slots on 1.5”(38mm) vertical centers. The top and bottom cabinet walls shall be made of 16 gauge(1.5mm) steel. Cabinet doors shall be made of 16 gauge (1.5mm) steel with welded corners that bi-fold and fully retract into the interior of the cabinet in the open position. The cabinet doors shall also include a .75”(19mm) x 1.625”(41mm) rectangular perforation pattern allowing visibility, as well as two 3” diameter nickel plated recessed handles each with 3-point locking mechanism with pad lock for security (pad lock not included).
- B. Bases: shall be constructed of 16-gauge (1.5mm) steel
- C. Horizontal Support Rails: shall be constructed of 13 gauge(2.3mm) steel and punched to accept standard, wide, extra wide, long, and pistol barrel supports. Support rails shall contain four rivet heads that interlock with the cabinet interior attachment keyhole slots.
- D. Barrel Supports: shall be constructed of 14-gauge(1.9mm) steel and coated in PVC Plasticol P10000-2 with a durometer 82 finish, .0600.075 thickness. Extra wide and long barrel supports to be welded assemblies.
- E. Cantilever Shelves: shall consist of 16-gauge(1.5mm)steel with a 13 (2.3mm)gauge steel shelf back with 4 rivet heads that interlock with the cabinet interior attachment keyhole slots. Shelves must be independently adjustable at 1.5”(38mm) vertical increments.

2.2 FINISH SPECIFICATION

- A. Shall be the finest of their respective kinds and those best adapted to the construction for which they are employed to meet ISO 9001:2000 Quality standards. All steel shall be the best mild, cold rolled, pickled, and double annealed, free from scale and buckle. All plating used on exposed parts shall be metallic furniture stock. All gauges are U.S. standard. The design of all parts shall be such that the completed installation shall present a neat and finished appearance and shall be free from exposed sharp edges or projections. All other special materials shall be as hereinafter specified.
- B. All components shall be painted with an electrostatically applied :
Powder coat finish

All steel parts shall be made smooth, and thoroughly cleaned by a process of completely washing in a phosphatizing solution to insure removal of oil, grease or other foreign material which in any way would interfere with the adhesion of the priming coat. Following the cleaning process, all parts shall be coated by spraying, making certain every part is thoroughly and completely covered with fine powder coat, and baked to the paint manufacturer's recommendation. The finish for powder coat shall be medium gloss, giving a reading of 50 to 60 degrees on a standard gloss meter and must be capable of withstanding severe hammer and bending test without flaking. The finish for epoxy-polyester hybrid powder coat shall be a minimum 2.5 mil thickness capable of resisting acetic acid, household ammonia, 10 % lye, alcohol, salt spray, abrasion and printing, and all normal usage resistant requirements of a good finish. In addition, powder coat shall not be off gassing to prevent deterioration of collection and other great value books. Colors to be selected by owner.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine subfloor surfaces, with installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of fixed storage units.
 - 1. For the record, prepare written report, endorsed by Installer, listing conditions detrimental to performance of fixed storage units.
 - 2. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 EXAMINATION

- A. Field Quality Control : Remove and replace components that are chipped, scratched, or otherwise damaged and which do not match adjoining work. Provide new matching units, installed as specified and in manner to eliminate evidence of replacement.
- B. Adjust : Adjust components and accessories to provide smoothly operating, visually acceptable installation.
- C. Cleaning : Immediately upon completion of installation, clear 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