|INCH-POUND|

MIL-L-17948F
28 June 1991
SUPERSEDING
MIL-L-17948E(YD)
22 August 1984

MILITARY SPECIFICATION
LOCKER, CLOTHING, STEEL, TWO DOOR

This specification is approved for use by all Departments and Agencies of the Department of Defense

1 SCOPE

* 1 1 Scope This document covers two door steel clothing lockers that can be secured with a padlock

1 2 Classification

* 1 2 1 Style The lockers covered by this document shall be of the following styles as specified (see 6.2)

Style A - Double handle, protruding
Style B - Single handle, recessed

* 1.2.2 Part number designation Lockers covered by this document shall be identified by a part or identifying number (see 6 5)

2 APPLICABLE DOCUMENTS

* 2 1 Government documents.

* 2 1 1 Specifications and standards The following specifications and standards form a part of this document to the extent specified herein Unless otherwise specified, the issues of the documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6 2)

|Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to Commanding Officer (Code 156), Naval Construction Battalion Center, Port Hueneme, CA 93043, by using self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of the document or by letter|

AMSC N/A FSC 7125

SPECIFICATIONS

FEDERAL

TT-C-490 - Cleaning Methods and Pretreatment of Ferrous Surfaces for Organic Coatings
TT-E-489 - Enamel, Alkyd, Gloss (for Exterior and Interior Surfaces)

MILITARY

MIL-P-116 - Preservation, Methods of

STANDARDS

FEDERAL

FED-STD-H28/2 - Screw Thread Standards for Federal Service.
FED-STD-595 - Colors (Requirements for individual chips)

MILITARY

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129 - Marking for Shipment and Storage
MIL-STD-130 - Identification Marking of U S. Military Property.
MIL-STD-2073/1A - DOD Material Procedures For Development & Application Of Packaging Requirements

(Unless otherwise indicated, copies of federal and military specifications and standards are available from Military Specifications and Standards, Bldg 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094)

* 2 1.2 Other Government documents and publications The following other Government documents and publications form a part of this document to the extent specified herein Unless otherwise specified, the issues are those cited in the solicitation.

DEPARTMENT OF LABOR (DoL)
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

Title 29, CFR, Part 1910 219 - Occupational Safety and Health Standards

(Application for copies should be addressed to the Superintendent of Documents, Government Printing Office, Washington, DC 20402)

(Copies of specifications, standards, handbooks drawings, publications, and other Government documents required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity)

* 2 2 Non-Government publications The following documents form a part of this document to the extent specified herein Unless otherwise specified, the issues of the documents which are DoD adopted are those listed in the issue of the DODISS cited in the solicitation Unless otherwise specified, the issues of

documents not listed in the DODISS are the issues of the documents which are current on the date of the solicitation (see 6.2)

ASTM

ASTM A 366 - Steel, Sheet, Carbon, Cold-Rolled, Commercial Quality
ASTM A 569 - Steel, Carbon (0 15 Maximum Percent), Hot-Rolled Sheet and Strip, Commercial Quality, specification for.
ASTM B 633 - Electrodeposited Coatings of Zinc on Iron and Steel, specification for.
ASTM D 153 - Test Method for Specific Gravity of Pigments
ASTM C 1036 - Glass Flat, Standard Specification for.
ASTM D 1186 - Non-Destructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to a Ferrous Base
ASTM D 1308 - Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
ASTM D 1735 - Water Fog Testing of Organic Coatings.
ASTM D 1737 - Test Method for Elongation of Attached Organic Coatings with Cylindrical Mandrel Apparatus
ASTM D 1921 - Test Methods for Particle Size (Sieve Analysis) of Plastic Materials.
ASTM D 3359 - Measuring Adhesion by Tape Test
ASTM D 3363 - Test Method for Film Hardness by Pencil Test
ASTM D 3732 - Practice for Reporting Cure Times of Ultraviolet Cured Coatings.
ASTM D 3951 - Commercial Packaging, Standard Practice for.

(Application for copies should be addressed to the ASTM, 1916 Race Street, Philadelphia, PA 19103)

(Non-Government standards and other publications are normally available from the organizations that prepare or distribute the documents These documents also may be available in or through libraries or other informational services)

* 2 3 Order of precedence In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3 REQUIREMENTS

3.1 Description The clothing locker shall consist of three compartments (hat compartment, clothes hanging compartment, and a folded clothes and miscellaneous compartment), a hat shelf extending the full width of the locker, two coat hooks, a coat hanger rod, four adjustable shelves, two towel bars, and a mirror The locker shall be constructed of steel and fastened together with slotless binding head machine screws, lock washers, and hexagon-shaped nuts The right door shall be provided with a three-point locking mechanism and shall overlap the center front edge of the left door When the locker is closed and right door handle is padlocked, both doors shall be secure The lockers shall be knocked-down (KD) and shipped for assembly upon receipt (see 3 7 and Section 5)

* 3 1 1 Styles Styles shall be as described herein.

* 3 1 1 1 Style A Style A lockers shall have two die cast zinc door handles of one-piece construction capable of being secured with a padlock.

* 3 1 1 2 Style B Style B lockers shall have a single recessed door handle The fingertip lift control handle shall be nickel plated steel and capable of being secured with a padlock

* 3 2 Standard Commercial Product The locker shall, as a minimum, be in accordance with the requirements of this specification and shall be the manufacturer's standard commercial product Additional or better features, which are not specifically prohibited by this specification but which are a part of the manufacturer's standard commercial product, shall be included in the locker being furnished A standard commercial product is a product which has been sold or is being currently offered for sale on the commercial market through advertisements or manufacturer's catalogs or brochures and represents the latest production model

* 3 3 First Article When specified in the contract or purchase order (see 6 2), the contractor shall furnish a locker for first article inspection (see 4.2 1 and 6.3)

3 4 Materials. Materials shall be free from defects which would adversely affect the performance or maintainability of individual components or of the overall assembly. Materials not specified herein shall be of the same quality used for the intended purpose in commercial practice. Unless otherwise specified herein, all equipment, materials, and articles incorporated in the work covered by this specification are to be new; however, recovered raw materials shall be used to the maximum extent possible without jeopardizing the intended use The term "recovered materials" means materials which have been collected or recovered from solid waste and reprocessed to become a source of raw materials, as opposed to virgin raw materials. Unless otherwise specified, none of the above shall be interpreted to mean that the use of used or rebuilt products are allowed under this specification

3 4 1 Steel Steel for locker components fabricated from sheets shall conform to ASTM A 366, except the back legs may conform to ASTM A 569. See table I for thickness of steel components

TABLE I. Steel Components, Thickness

Component	Thickness
a Sides-back-adjustable shelves-hat shelf-pan reinforcement-mirror frame	a 0 0299 inch (22 ga)
b Top-bottom-center partition-side base plates--dummy handle clip	b 0 0359 inch (20 ga)
c Front base plate-lock bar-rubber bumper clips-pin retainer-clothes bracket-coat rod-label holder-hinge	c 0 0478 inch (18 ga)
d. Doors-door frame horizontal members-towel bar	d 0 0598 inch (16 ga)
e Padlock clip-lock bar retainers	e 0 0747 inch (14 ga)

TABLE I. Steel Components, Thickness (Continued)

Component		Thickness
f. Door catches-adjustable foot	f	0 0897 inch (13 ga)
g Door frame vertical members-rear legs	g	0 1345 inch (10 ga)

3 4.2 Shelf standards and supports Provide four 13/16 inch deep by 30 inches long cold-rolled steel standards These shall provide for adjustable placement of shelves in 1 inch increments over the full length of the standard Provide four zinc plated steel supports for each adjustable shelf (see 3.4.10). As an option, the shelves and standards can be fabricated to provide the required adjustments without supports. The shelves shall level in relation to a horizontal plane parallel to the locker bottom and top

* 3 4 3 Hinges. Hinges shall be five knuckle tight pin type. Provide a minimum of three hinges for each door

3 4 4 Coat hooks Provide two zinc plated coat hooks per locker (see 3 4 10)

3 4 5 Coat rod and brackets The coat rod shall be 5/8 O.D tubing Both the rod and brackets shall be zinc plated

3 4.6 Mirror The mirror, with a minimum thickness of not less than 1/4 inch, and sheet metal frame shall provide secure retention of the mirror but allow easy replacement. The mirror shall conform to type I, class 1, mirror glazing quality of ASTM C 1036. The mirror back shall be completely silvered and covered with a heavy copper coat applied by the copper electroplating process Mirror back plating shall be protected by an organic coating The mirror frame finish shall be painted in accordance with 3 8 4

3 4 7 Towel bars The two zinc plated towel bars shall be formed, pierced, and coined to provide a minimum clearance of 8 inches width and 1 1/2 inches depth

3 4 8 Label holder The label holder shall be stamped steel and capable of accommodating a label or card not less than 2 3/8 inches wide by 1 5/16 inches high

3.4 9 Fasteners The fasteners for securing the locker major components such as sides, back, center partition, top, and bottom shall be 8/32 x 3/8 inch slotless binding head machine screws, lock washers, and hexagon shaped nuts As an option, KEP nuts may be used in lieu of lock washers and hexagon shaped nuts All fasteners shall be zinc plated All threaded parts shall conform to FED-STD-H28/2

3 4 10 Zinc plated parts Zinc plated parts shall be plated by the electroplating process conforming to ASTM B 633

3 5 Interchangeability All units of the same classification furnished with similar options under a specific contract shall be identical to the extent necessary to ensure interchangeability of component parts, assemblies, accessories, and spare parts

3 6 Construction The components and materials for the construction of the locker shall conform to 3 4 through 3 4 10 The locker shall be fabricated from components specified in this document Openings for fastening major components shall be spaced up to a maximum of 12 inches Openings connecting components shall be accurately spaced, without the need of modification or reboring, to assure proper fastening and fit upon assembly Finish of components, other than plated, shall be in accordance with 3 8 through 3 8 4

3 6 1 System of measurement The dimensions used in this specification are not intended to preclude the use of the metric system of measurement in the fabrication and production of the material, individual parts, and the finished product, provided form, fit, and function requirements are satisfied.

3 6 2 Locker body Each major component including sides, back, top, bottom, center partition, shelves, doors, and base plates shall be fabricated from one piece of metal

3 6 2.1 Sides Sides shall be fabricated to provide a minimum interior depth of not less than 18 3/4 inches with the doors closed

3 6 2 2 Back Back shall be fabricated to provide an interior width of not less than 30 inches

3 6.2 3 Top and bottom The top and bottom of the locker shall be fabricated with the front edge formed to join the horizontal tie members in a smooth, tight, and secure manner without sharp or exposed edges

3 6 2.4 Center partition Center partition shall be fabricated with the front edge hemmed, channeled, rolled, or flanged

3 6 2 5 Adjustable shelves and shelf standards Four shelf standards, two on the left side and two on the center partition, shall be secured by spot welding If shelf supports are provided, four shall be provided for each shelf Four shelves shall be fabricated and notched to fit over the shelf supports or standards The shelf front edge may be channel formation, a box formation 1/2 inch roll, or a flange returned toward the shelf bottom at a 45 degree angle

3 6 2 6 Hat Shelf The hat shelf shall be fabricated with the front edge rolled, channeled, boxed, or flanged The hat shelf shall be mounted not less than 8 1/2 inches nor more than 9 1/2 inches from the top of the locker

3 6.3 Door frame The door frame shall provide a door opening not less than 68 inches nor greater than 70 inches The door frame shall consist of a top and bottom horizontal member and two vertical members Alternately, the horizontal members may be 1 inch by 1 5/8 inch by 7/8 inch channels and the vertical members may be 1 inch by 1 5/8 inch by 1 3/16 inch channels When vertical channel members are supplied, they must be slotted at proper location and of adequate size to accept the door hinges Door frame corners shall be lapped and secured by projection or spot welds Alternately, two 1/2 inch long electric arc welds at each end of the vertical and horizontal members joining surfaces are acceptable See 3 10 2 for welding requirements Before shipment, door frames shall be assembled and each door securely attached by a minimum of three hinges

3.6.4 Doors Each locker shall have two louvered doors with the right door containing a three-point locking mechanism. The edges of the joining door flanges and channels shall be flush, uniform, and without gaps at the corners The joining corner members shall be closed by welding. Welds shall be ground smooth and flush, matching the adjoining surfaces. Door louvers shall be provided in matching sets located at both the top and bottom of each door. All louvers shall be identical and formed so that no sharp edges will be exposed. A pan reinforcement shall be spot welded to each door interior Secure the mirror frame on the right door pan reinforcement with not less than three spot welds. Securely fasten one towel bar to each door at a location below the mirror and not less than 22 inches nor greater than 30 inches below the top of the door Locate the label holder on the left door not less than 12 inches nor greater than 14 inches below the top of the door and fasten by spot welding or riveting Each door shall be fastened to the door frame with a minimum of three hinges The hinge door frame leaf shall be secured with not less than two spot or projection welds The hinge pin shall be recessed in the door to deter pin removal. Hung doors shall be square and the gaps between doors and door frame members shall not exceed 1/8 inch Installation of the door locking mechanism and door catches shall be in accordance with 3.6.4 1 As the last door assembly procedure, install the mirror in the frame and secure by installing the mirror frame top piece on the pan reinforcement A minimum of two rubber bumpers on each door shall be provided to reduce noise when doors are closed The bumpers shall be held onto the face of the door opening by inserting the stem of the rubber bumper through a hole drilled in the door opening face.

3.6.4.1 Door locking mechanism. The right door shall be provided with a three-point locking mechanism and shall secure the left door by overlapping the left door front edge The locking mechanism, including catches and handle(s), shall be installed prior to shipment. The doors shall have the capability of being secured in the locked position by a padlock. The padlock shackle shall hold the door handle fast when placed in the handle opening by bearing against the padlock clip

3.6 4.2 Door catches The three door catches shall be spot welded to the top and bottom door frame members and to the left door at the center. The catches shall be located to engage the lock pins through the slots in the lock bar without binding or requiring force

3.6.4.3 Lock bar retainer A lock bar retainer shall be spot welded at the door top and bottom.

3.6.4.4 Lock bar. The lock bar shall contain the components necessary to engage the three catches. The three lock bar assemblies, consisting of lock pin, spring, and pin retainer, shall be installed by the manufacturer The top and bottom of the lock bar shall have rubber bumpers to reduce noise Place the assembled lock bar at proper location on the right door interior and snap into place over the lock bar retainer clips.

* 3 6 4 5 Style A - door handles The left door handle shall be an inactive or dummy handle Fasten the dummy handle clip with two spot welds on the left door. Secure the left door handle to the handle clip Fasten the padlock clip with at least one spot weld on the right door The right door handle must be installed as part of the lock bar installation (see 3 6 4 4) The lock bar

opening and door catches shall mate for proper operation without binding The doors shall automatically latch when closed

* 3 6.4 6 Style B - door handle The door handle shall consist of a stainless steel pan recessed into the door and of sufficient depth to allow a padlock to be completely flush with the face of the door The lifting trigger shall be finger lift control type constructed of heavy gauge steel (minimum 12 gauge) The right door latch must be installed as part of the lock bar installation (see 3 6 4 4) The doors shall automatically latch when closed

3 6 5 Coat rod and brackets Provide two brackets and a coat rod with hardware for securing to the locker sides

3 6.6 Coat hooks Provide two coat hooks with hardware for securing to the locker sides

3.6 7 Legs

3 6 7 1 Front legs The front legs shall be an extension of the door frame vertical members

3 6 7.2 Rear legs The rear legs shall be fabricated with not less than 9 inches of each leg extending into the locker interior Hardware for securing each leg to the side at two locations shall be provided

3 6.7 3 Locker feet. Each leg shall be provided with an adjustable foot.

3 6.8 Base plates The locker front and sides shall be provided with base plates. The front base plate shall be spot welded to the front legs. Hardware shall be provided for fastening each end of the two side plates to each leg at two locations

3 7 Assembly The KD shipped lockers shall be provided with all necessary components and hardware required for the unit to be assembled without drilling, cutting, or other modification of components or subassembly Maximum assembly possible shall be done at the manufacturer's plant Minimum assembly shall include hanging doors on the door frame and installing the door locking mechanism and handle(s).

3 7 1 Assembly instructions The manufacturer shall provide detailed locker assembly instructions Assembly instructions shall include a written step-by-step sequence of assembly and pictorial installation drawings showing component and subassemblies in relation to each other and the type, quantity, and location of all fasteners required

3 8 Treatment and finish

3 8 1 Treatment When the finish is to be as specified in TT-E-489, exterior and interior steel surfaces which are not plated shall be treated with zinc phosphate or iron phosphate of TT-C-490 When the finish is to be dry epoxy powder, treat the surfaces not plated as prescribed by the manufacturer of the epoxy powder

* 3.8.2 Finish coat Both the surface finish, which shall be either enamel or thermoset dry epoxy powder, and the color of the finish coat, conforming to FED-STD-595, shall be as specified (see 6 2)

3 8.2.1 Enamel The enamel shall conform to class B of TT-E-489, applied to a minimum dry film thickness of 1.6 mil, and baked on as prescribed by the manufacturer of the enamel

3.8 2 2 Epoxy Powder As specified the powder shall be thermoset epoxy ester or epoxy polyester suitable for dry spraying with an electrostatic spray gun. The powder shall meet or exceed the requirements of 3 8 3.1 through 3.8.3.10 When determination of compliance with these requirements is necessary (see 6 2), the tests of section 4, as applicable to the paint system concerned, shall be performed, or, if acceptable, a certificate of compliance from an independent laboratory shall be provided (see 6 2).

3.8 3 Epoxy powder physical characteristics and performance qualities

3.8 3.1 Physical form The powder shall be free flowing and without evidence of caking or lumping

3 8 3 2 Particle size Particle size of the powder shall range from 20 to 50 microns.

3 8 3 3 Specific Gravity Specific gravity shall range from 1.2 to 1 8.

3.8.3.4 Cure time The cure time shall be 20 minutes (+5 minutes) at 275 degrees Fahrenheit (oF) to 350oF metal temperature

3 8 3 5 Film thickness after cure Film thickness after cure shall be 1 5 mil minimum

3.8 3 6 Hardness The dry film shall resist damage from the 3H pencil on the lowside and 5H on the highside

3 8.3 7 Chemical resistance The dry film shall resist the spot test of the specified regents when exposed for 1 hour minimum without evidence of wrinkling, blistering, or loss of adhesion.

3.8.3.8 Adhesion without primer Adhesion of the dry film without primer on a test panel shall be considered adequate when 5 percent or less of material is removed by the tape cross-cut test (classification 4B).

3.8.3.9 Flexibility. A 2 mil dry film shall not break or crack when tested (bent around a 3/16 inch mandrel)

3 8 3 10 Water resistance. The dry film shall not blister, loose adhesion, or corrosion shall not form between metal and finish when the test panel is subjected to the water fog test for 96 hours

3 8 4 Painted finishes Painted finishes shall be smooth, without dirt, dust, or other foreign matter embedded The finishes shall not be discolored, rippled, peeled, or have sags or runs Small scratches or areas of marred finish shall be touched up as necessary to match the surrounding finish Large

areas of finish scratched or marred affecting the appearance of the locker finish shall be replaced or the entire component refinished

3 9 Identification marking Locker shall be marked for identification in accordance with MIL-STD-130 The nomenclature of the item shall be "Locker, Clothing, Steel, Two Door" Identification marking shall be located on the interior of the right door

3 10 Workmanship

3.10 1 Steel fabrication The steel used in fabrication shall be free from kinks, sharp bends, and other conditions which would be deleterious to the finished product. Manufacturing processes shall not reduce the strength of the steel to a value less than intended by the design. Manufacturing processes shall be done neatly and accurately All bends shall be made by controlled means to ensure uniformity of size and shape

3 10.2 Welding Welding procedures shall be in accordance with a nationally recognized welding code The surface of parts to be welded shall be free from rust, scale, paint grease, or other foreign matter Welds shall be of sufficient size and shape to develop the full strength of the parts connected by the welds Welds shall transmit stress without permanent deformation or failure when the parts connected by weld are subjected to proof and service loadings.

3 10.3 Bolted connections Bolt holes shall be accurately punched or drilled and shall have the burrs removed Washers or lockwashers shall be provided in accordance with good commercial practice, and all bolts, nuts, and screws shall be tight

4 QUALITY ASSURANCE PROVISIONS

* 4 1 Responsibility for inspection Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests) as specified herein Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government The Government reserves the right to perform any of the inspections set forth in the document where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements

* 4 1 1 Responsibility for compliance All items shall meet all requirements of sections 3 and 5 The inspections set forth in this document shall become a part of the contractor's overall inspection system or quality program The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to the requirements however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material

4.1.2 Component and material inspection. Components and materials shall be inspected in accordance with all requirements specified herein and in applicable referenced documents

4.2 Classification of inspections The inspection requirements specified herein are classified as follows

a First article inspection (see 4 2 1).
b Quality conformance inspection (see 4 2 2)

* 4.2 1 First article inspection. When a first article is required (see 3.3 and 6.2), the first article inspection shall be performed on one locker The inspection shall include assembly, the examination of 4.4, and the tests of 4.5 The contracting officer will provide specific guidance on whether the first article must be a first article sample or may be a first production item or a standard production item from the supplier's current inventory provided the item meets the requirements of the specification and is representative of the design, construction, and manufacturing technique applicable to the remaining items to be furnished under the contract (see 6 2 and 6 3)

4 2 2 Quality conformance inspection The quality conformance inspection shall include the examination of 4.4, and the packaging inspection of 4 6 This inspection shall be performed on the samples selected in accordance with 4 3

* 4.3 Sampling Sampling and inspection procedures shall be in accordance with MIL-STD-105. All lockers offered for delivery at one time shall be considered a lot for the purpose of inspection. The standard sample for first article inspection shall be ten percent of a lot with the minimum sample being not less than one unit. For each defective unit, two additional units shall be inspected until the Acceptable Quality Level (see 6 8) has been exceeded. If an inspection lot is rejected, the contractor may rework it to correct the defects, or screen out the defective units and resubmit for a complete reinspection Resubmitted lots shall be reinspected using tightened inspection If the rejected lot was screened, reinspection shall be limited to the defect causing rejection If the lot was reprocessed, reinspection shall be performed for all defects Rejected lots shall be separate from new lots, and shall be clearly identified as reinspected lots.

4 4 Examination Each locker selected shall be examined for compliance with the requirements specified in section 3 of this document Any redesign or modification of the contractor's standard product to comply with specified requirements, or any necessary redesign or modification following failure to meet specified requirements shall receive particular attention for adequacy and suitability. This element of inspection shall encompass all visual examinations and dimensional measurements Noncompliance with any specified requirements or presence of one or more defects preventing or lessening maximum efficiency shall constitute cause for rejection

4 5 Tests When a first article inspection is required or the quality of the pretreatment and finish is to be determined by tests (see 6 2), the tests specified in table II, in addition to the examination of 4 4, shall be performed as applicable

TABLE II Index of tests.

Characteristic	Requirement Paragraph	Test Paragraph	Test
Treatment for Enamel Finish	3 8 1	4 5 1	As specified in FED SPEC TT-C-490 for specific treatment
Enamel Quality	3 8 2 1	4 5 2	As specified in FED SPEC TT-E-489
Epoxy Powder Tests			
Treatment for Epoxy Finish	3 8 1	NONE	As specified by powder manufacturer.
Epoxy Physical form	3 8 3 1	4 5 3	Screening
Epoxy particle size	3 8 3 2	4 5 4	ASTM D 1921
Epoxy specific Gravity	3 8 3 3	4 5 5	ASTM D 153
Cure time	3 8 3 4	4 5 6	ASTM D 3732
Film Thickness after cure	3 8 3 5	4 5 7	ASTM D 1186 Method B
Pencil Hardness	3 8.3 6	4 5 8	ASTM D 3363
Chemical Resistance	3 8 3 7	4 5 9	ASTM D 1308
Adhesion w/o Primer	3.8.3 8	4 5 10	ASTM D 3359 Method B (cross cut)
Flexibility	3 8 3 9	4 5.11	ASTM D 1737
Water Resistance	3 8 3 10	4 5 12	ASTM D 1735

4 5 1 Pretreatment for enamel To determine compliance with 3 8.1, conduct the tests of TT-C-490 for the zinc phosphate or iron phosphate treatment

4.5 2 Quality of enamel To determine compliance with 3 8 2 1, conduct the tests of TT-E-489

4 5 3 Epoxy physical form To determine compliance with 3 8.3 1, sift a two cup sample through a regular household fly screen Presence of caking or lumps shall indicate powder of unacceptable quality

4 5 4 Epoxy particle size To determine compliance with 3 8 3 2, conduct the multiple sieve analysis of ASTM D 1921

4 5 5 Epoxy specific gravity To determine compliance with 3 8 3 3, conduct the specific gravity test of ASTM D 153 Method A

4 5 6 Cure time To determine compliance with 3 8 3 4, conduct the solvent rub test of ASTM D 3732 using methyl ethyl ketone for solvent

4 5 7 Dry film thickness To determine compliance with 3 8 3 5, conduct test method B of ASTM D 1186

4 5.8 Pencil hardness Determine compliance with 3 8.3.6 by conducting the pencil hardness test ASTM D 3363.

4.5 9 Chemical resistance. To determine compliance with 3 8 3 7, conduct the spot test, covered, of ASTM D 1308 using the following regents with exposures of 1 hour

a Distilled water, hot and cold.
b Alkali solution.
c. Acid solution
d Detergent solution
e Lighter fluid
f Fruit (lemon).
g Lubricating oil, engine, detergent

4 5 10 Adhesion without primer To determine compliance with 3.8.3.8, conduct test method B (cross-cut) of ASTM D 3359

4 5 11 Flexibility. To determine compliance with 3 8 3 9, conduct the test of ASTM D 1737 using a sample panel that has been finished as the completed locker will be finished

4.5.12 Water resistance To determine compliance with 3 8 3 10, conduct the test of ASTM D 1735 for an exposure period of 96 hours

* 4 6 Inspection of packaging Except when commercial packaging is specified, the sampling and inspection of the preservation and interior package marking shall be in accordance with groups A and B quality conformance inspection requirements of MIL-P-116 The sampling and inspection of the packing for shipment and storage shall be in accordance with the quality assurance provisions of the applicable container specification shown in section 5 The inspection of marking for shipment and storage shall be in accordance with MIL-STD-129. For each defective unit, two additional units shall be inspected until the Acceptable Quality Level (see 6 9) has been exceeded The inspection of commercial packaging shall be as specified in the contract (see 6 2)

5 PACKAGING

* 5 1 Preservation and packaging. Preservation and packaging shall be level A or Commercial as specified (see 6.2).

* 5 1 1 Level A Each locker shall be shipped KD, preserved method III in accordance with MIL-P-116, and packed as specified herein Components and hardware shall be cushioned and may be separately preserved and packaged within the unit container Assembly instructions for each locker shall be preserved method IC-3 in accordance with MIL-P-116 and packaged within the unit pack

* 5 1 2 Commercial Each locker shall be shipped KD and preserved in accordance with ASTM D 3951

* 5 2 Packing Packing shall be level A or B or Commercial as specified (see 6 2)

* 5 2 1 Level A The unit pack shall be the shipping container Packing shall be in accordance with MIL-STD-2073/1A Only closed containers shall be used Case liners are required Contents shall be cushioned, blocked, and braced to prevent movement within the shipping container Packaging requirements shall, as a minimum, conform to applicable carrier rules and regulations

* 5 2 2 Level B The unit pack shall be the shipping container Packing shall be in accordance with MIL-STD-2073/1A Case liners are not required Packaging requirements shall, as a minimum, conform to applicable carrier rules and regulations

* 5 2.3 Commercial. Packing shall be in accordance with ASTM D 3951. Packaging requirements shall, as a minimum, conform to applicable carrier rules and regulations

* 5 3 Marking Marking shall be in accordance with MIL-STD-129

6 NOTES
(This section contains information of a general explanatory nature that may be helpful but is not mandatory)

6 1 Intended use The lockers covered by this specification are intended for use as clothing and personal item storage in military quarters at shore establishments

* 6 2 Acquisition requirements

a Title, number, and date of this document
b Style required (see 1 2 1)
c Issue of DODISS to be cited in the solicitation and, if required, the specific issue of individual documents referenced (see 2.1 1 and 2 2)
d When first article is required for inspection and approval (see 3 3, 4 2 1, and 6 3)

1 Location for first article inspection
2 Notification requirements
3 Special instructions

e Finish coat required (see 3.8 2 and 3 8 4) and color (see 3 8 2)

1 Enamel (see 3 8 2 1)
2 Epoxy powder (see 3 8 2 2 and 3 8 3)
(a) Epoxy ester
(b) Epoxy polyester

f When quality of pre-treatment and finish is to be determined by tests or when certificate of compliance is acceptable (see 3 8 2 2 and 4 5)
h Level of preservation and packaging, level of packing, and marking required (see 5 1, 5 2, and 5 3)

* 6 3 First article When first article inspection is required, the contracting officer should provide specific guidance to offerers whether the item(s) should be a first article sample, a first production item, or a standard

production item from the contractor's current inventory and the number of items to be inspected as specified in 4.3 The contracting officer should include specific instructions in acquisition documents regarding arrangements for examinations, approval of the first article test results, and disposition of the first articles Invitations for bids should provide that the Government reserves the right to waive the requirement for samples for first article inspection to those bidders offering a product, which has been previously acquired or tested by the Government, and that bidders offering such products, who wish to rely on such production or test, must furnish evidence with the bid that prior Government approval is presently appropriate for the pending contract.

* 6.4 Supersession data This specification supersedes MIL-L-17948E(YD) dated 22 August 1984.

* 6 5 Part or identifying number (PIN) The PIN to be used for lockers acquired to this document are created as follows

	M	17948	X
Prefix to indicate			
Military Specification			
Specification number			
Style (see 1 2)			

* 6 5.1 Cataloging Data For cataloging data purposes, PIN code numbers for style are assigned as follows

A - Style A
B - Style B

* 6 6 Cross reference of classification The classification of the lockers in this document differs from the superceded specification in the following respects

MIL-L-17948E(YD)	MIL-L-17948F
Not designated	Style A
Not designated	Style B

* 6 7 Subject term (key word) listing

Compartment
Hanger Rod
Hat shelf
Mirror
Storage
TowelBars

* 6 8 Sampling for quality inspection Recommended inspection level is S-2 with an Acceptable Quality Level (AQL) of 2 0 percent defective (see 4 3)

* 6 9 Sampling for packaging inspection Recommended inspection level is S-2 and an Acceptable Quality Level (AQL) of 2 0 percent defective (see 4 6)

6 10 Door handle assembly The National Lock Company Model No 61-652 door handle assembly or similar and equal, is suitable for Style A lockers (see 3 1 1.1).

* 6 11 Changes from previous issue The margins of this document are marked with an asterisk to indicate where changes (additions, modifications, corrections, or deletions) from the previous issue were made This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue

Custodians

AF - 99
Navy - YD

User Activities

AF - 84
ARMY - GL
NAVY - SA

PREPARING ACTIVITY

Navy - YD

(Project No 7125-0129)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
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I RECOMMEND A CHANGE	1. DOCUMENT NUMBER	2. DOCUMENT DATE (YYMMDD)
	MIL-L-17948F	910628

3. DOCUMENT TITLE

LOCKER, CLOTHING STEEL, TWO DOOR

4 NATURE OF CHANGE *(Identify paragraph number and include proposed rewrite, if possible Attach extra sheets as needed)*

5 REASON FOR RECOMMENDATION

6. SUBMITTER

a NAME (Last, First, Middle Initial)	b ORGANIZATION	
c ADDRESS (Include Zip Code)	d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (If applicable)	7. DATE SUBMITTED (YYMMDD)

8 PREPARING ACTIVITY

NAME	b TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON
C. FENAROLI	(805) 982-5604 551-5604
c ADDRESS (Include Zip Code) CIVIL ENGINEERING SUPPORT OFFICE (1564F) NAVAL CONSTRUCTION BATTALION CENTER PORT HUENEME, CA 93043-5000	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340