

INCH-POUND
MIL-DTL-15743/13C
26 March 2007
SUPERSEDING
MIL-DTL-15743/13B
26 November 2002

DETAIL SPECIFICATION SHEET

SWITCH, ROTARY, ENCLOSED, DRIPPROOF ACTION, TRANSFER,
WITH INDICATION, 125 VOLTS ALTERNATING CURRENT, 30 AMPERE,
SYMBOL 849 (TPDT)

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

The requirements for acquiring the product described herein shall consist of this specification and the
latest issue of MIL-DTL-15743.

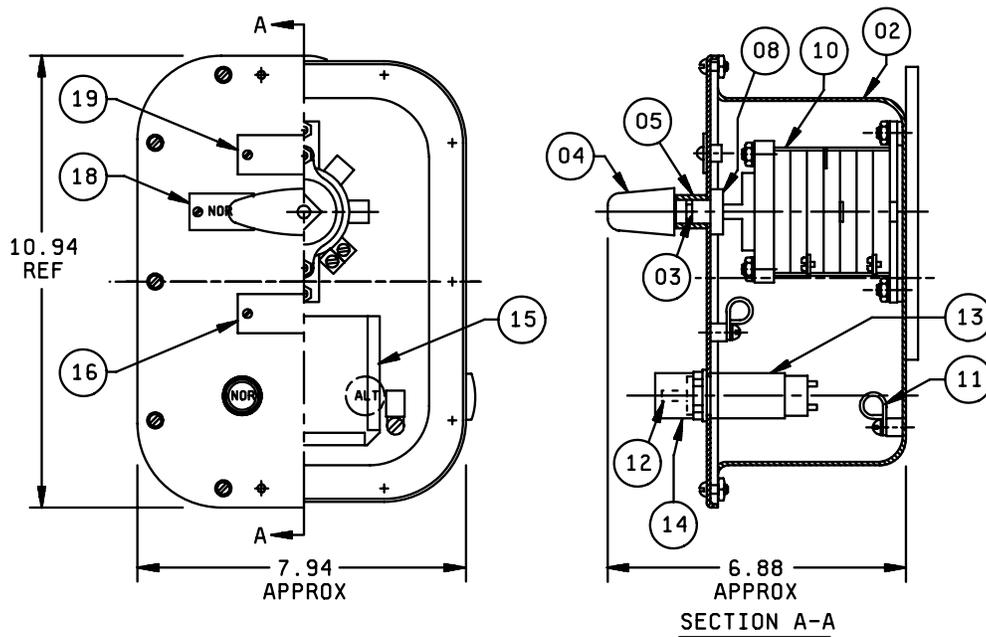


FIGURE 1. Switch, enclosed. (01)

NOTES:

1. All dimensions in inches.
2. Unless otherwise specified herein, tolerances shall be as follows:
 - Two place decimals - plus or minus 0.02.
 - Three place decimals - plus or minus 0.005.
 - Angular dimensions - plus or minus 30 minutes.

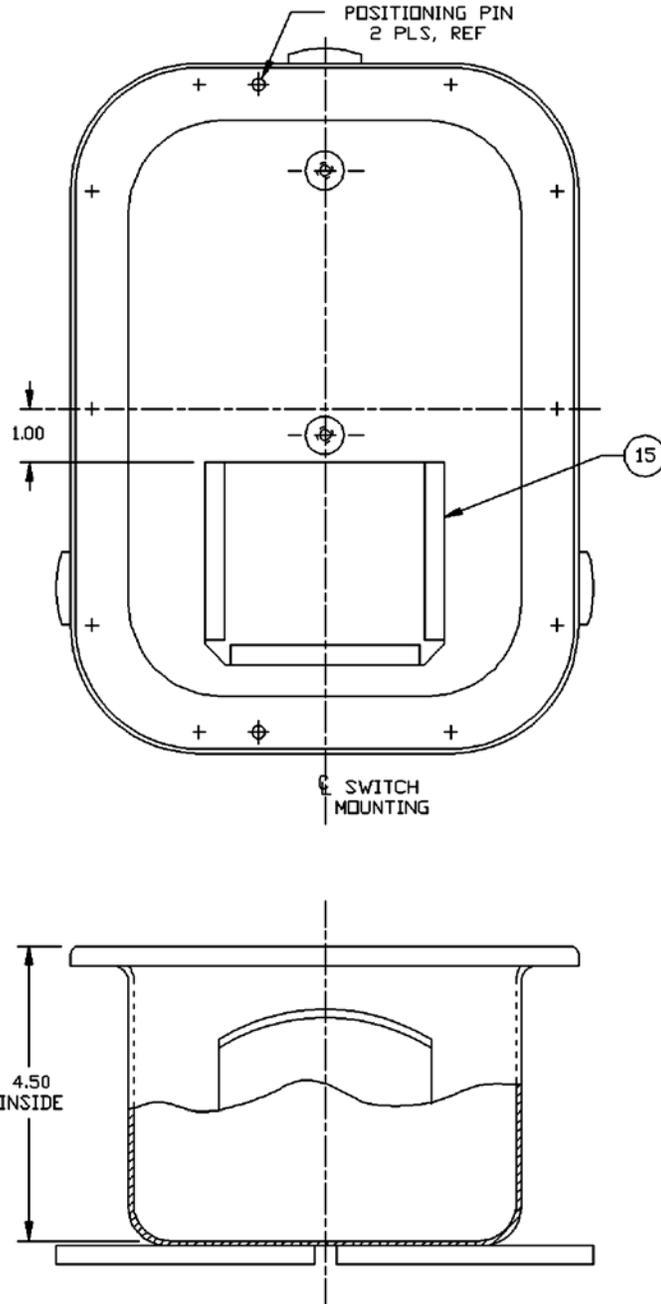


FIGURE 2. Box assembly (modified).

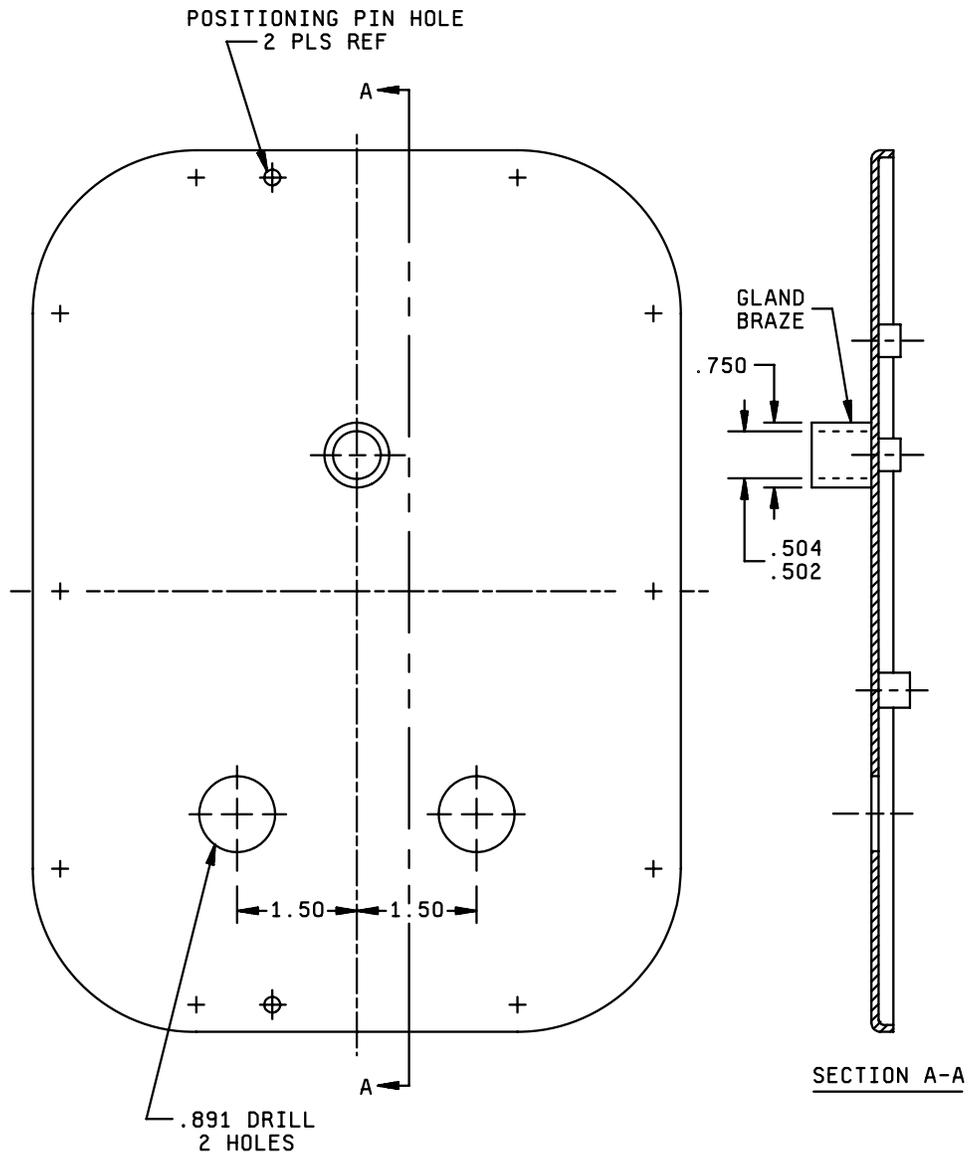


FIGURE 3. Cover assembly.

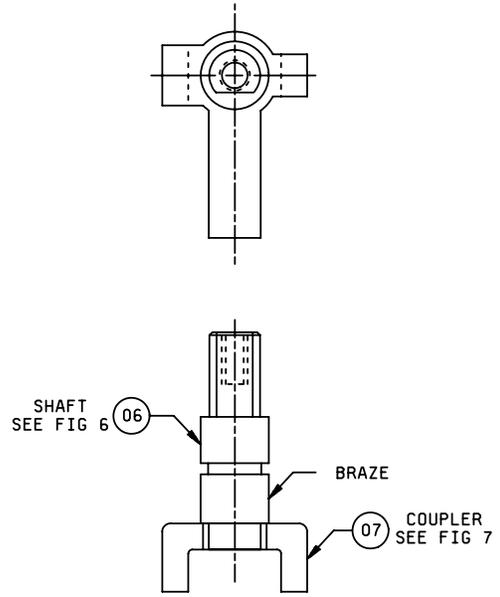


FIGURE 5. Shaft assembly. (05)

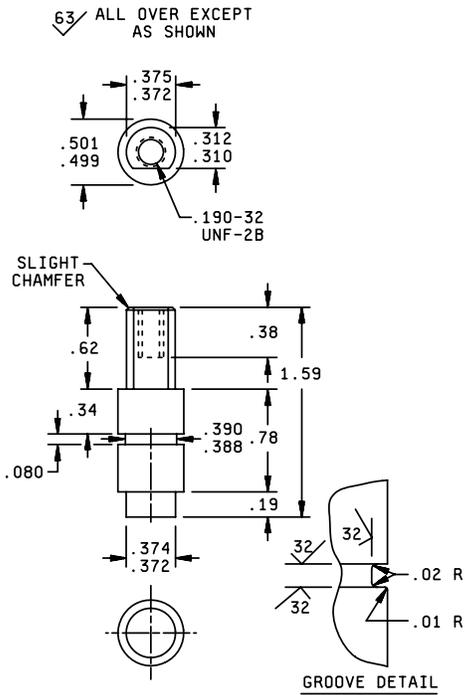


FIGURE 6. Shaft. (06)

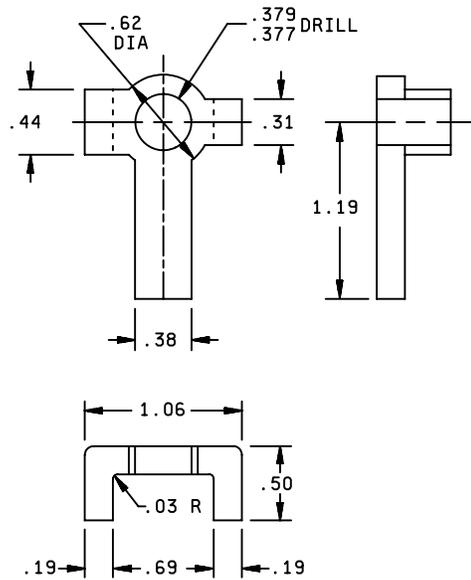


FIGURE 7. Coupler. (07)

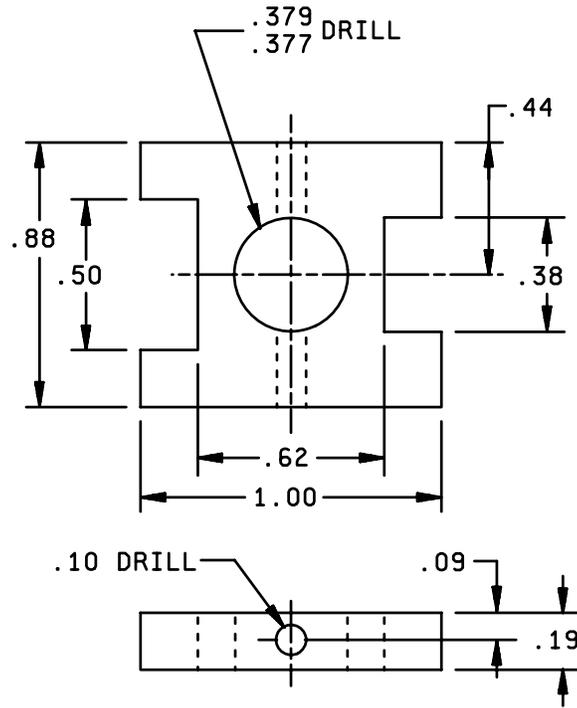


FIGURE 8. Coupler plate. (08)

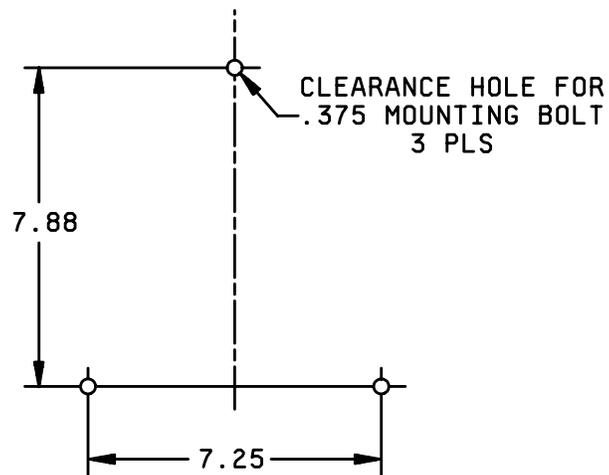


FIGURE 9. Mounting dimensions, ref.

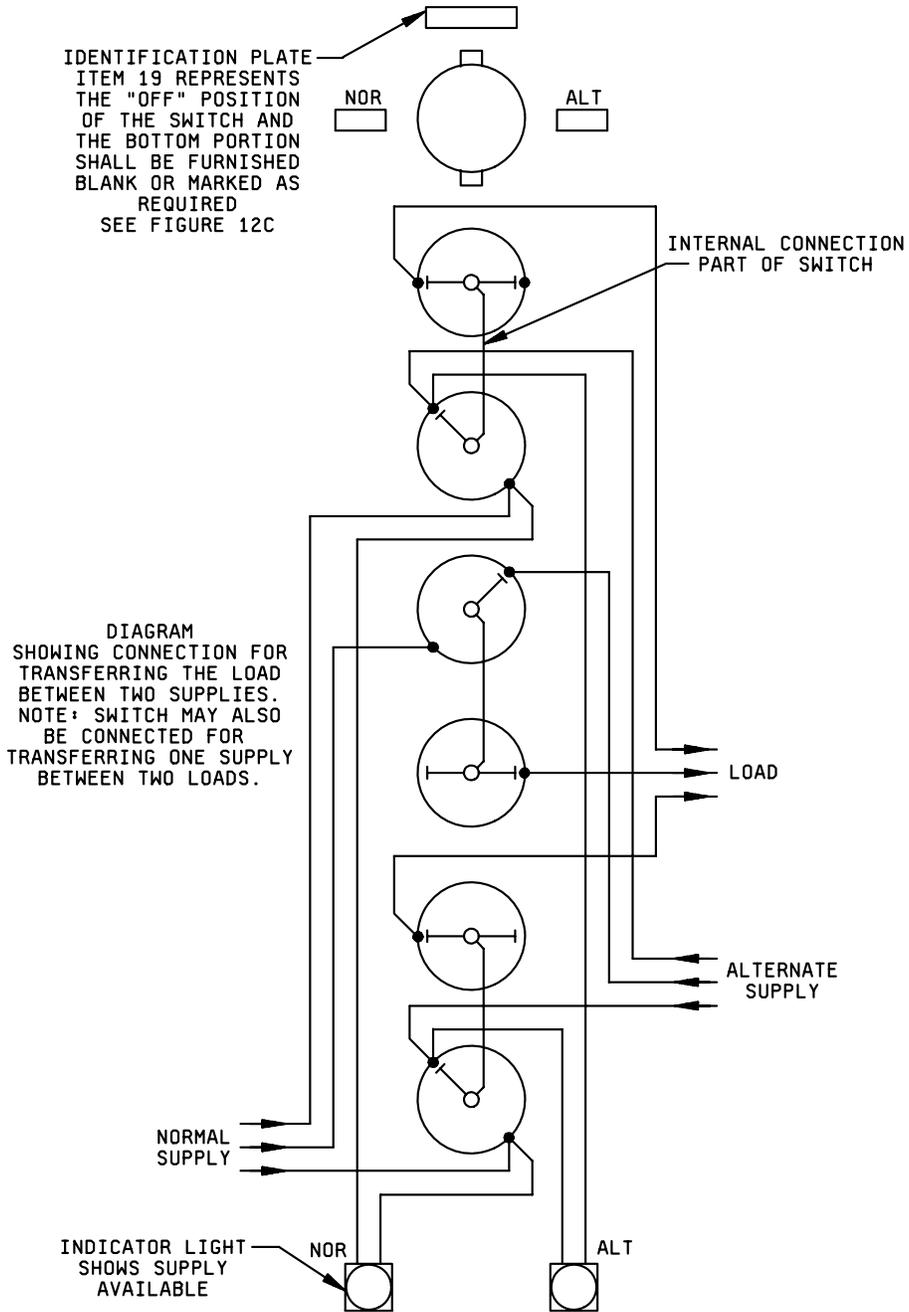


FIGURE 10. Wiring diagram. (09)

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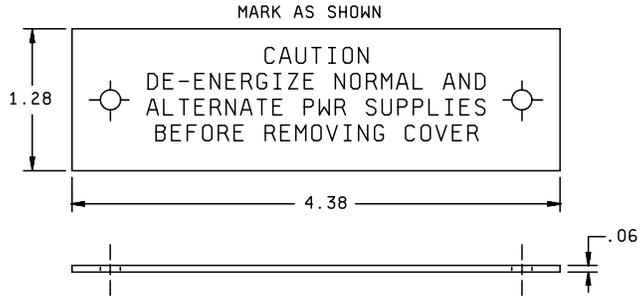
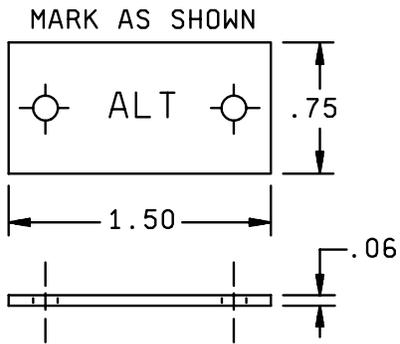
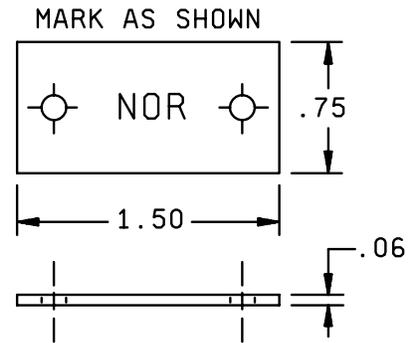


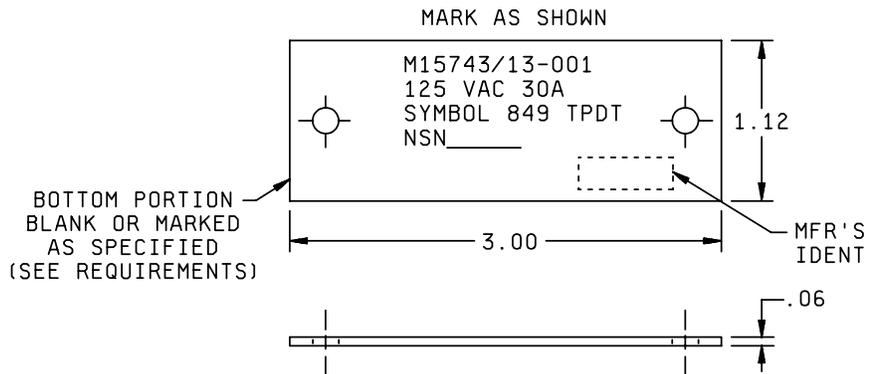
FIGURE 11. Caution plate. (16)



A. "ALT" information plate. (17)



B. "NOR" information plate. (18)



C. Identification plate. (19)

FIGURE 12. Identification and information plates.

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REQUIREMENTS

SYMBOL NUMBER: See table I.

DESIGN:

Electrical rating: 125 V ac, 0-30 ampere, 60 Hz.

Dimensions and configuration: See figures 1 through 8.

Wiring diagram: See figure 10.

Mounting dimensions: See figure 9.

Degree of enclosure: Dripproof.

Weight: 16 pounds maximum.

Designation and marking: See figures 11 and 12.

Identification data shall be as shown on figures 11 and 12. Unless otherwise specified in the ordering data, bottom portion of identification plate shall be blank as shown on figure 12.

Parts: The parts shown in table II and as specified in MIL-DTL-15743 shall be used in the construction of the switch specified herein.

GENERAL INFORMATION:

Military part number and general information are as shown in table I.

TABLE I. Military part number and general information.

Military part no.	Symbol no.	No. of poles and switching characteristics	Supersedes <u>1/</u>
			Type
M15743/13-001	849	TPDT	3SR3B4-

1/ From NAVSEA Drawing 815-1197224.

ORDERING DATA:

Acquisition documents should specify the following:

Switch action marking, if required (see requirements).

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TABLE II. Parts list.

Item no. <u>1</u> /	Description	Quantity M15743/13-001	Material/ specification	Remarks
01	Switch, enclosed (sym 849)	-		See figure 1
02	Enclosure	1	Brass, MIL-E-24142/3 (modified)	See figure 2 & 3 M24142/3-001
03	O-ring	1	SAE-AS28775-012	----
04	Handle (Type CFI-10)	1	Plastic, black, type CFI-10 of ASTM-D5948	See figure 4
05	Shaft assembly	1	----	See figure 5
06	Shaft	1	Ni-Cu alloy of QQ-N-281	See figure 6
07	Coupler	1	Brass, ASTM-B36/B36M, ASTM-B121/B121M	See figure 7
08	Coupler plate	1	CRES, or equivalent	See figure 8
09	Wiring diagram	1	MIL-E-2036	See figure 10
10	Switch (type 3SR3B4)	1	MIL-DTL-15291/7	M15291/7-009
11	Cable clamp	2	Nylon, coml	----
12	Lamp, incandescent	4	MIL-DTL-6363	Industry no.TS-159
13	Light, indicator	2	MIL-L-3661/65	Style LH 98/3
14	Target cap assy "ALT" and "NOR"	1 ea	Style LC38RNIM MIL-L-3661/52	----
15	Wiring diagram holder	1	MIL-E-24142	See figure 2
16	Caution plate	1	ASTM-B36/B36M, ASTM-B121/B121M	See figure 11
17	Information plate "ALT"	1	ASTM-B36/B36M, ASTM-B121/B121M	See figure 12a
18	Information plate "NOR"	1	ASTM-B36/B36M, ASTM-B121/B121M	See figure 12b
19	Identification plate	1	ASTM-B36/B36M, ASTM-B121/B121M	See figure 12c

1/ Numbers in circles shown on the figures are the same as the item numbers shown in this table.

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Referenced documents: In addition to MIL-DTL-15743, this document references the following:

MIL-DTL-6363

MIL-DTL-15291/7

MIL-E-2036

MIL-L-3661/52

MIL-L-3661/65

MIL-E-24142

MIL-E-24142/3

QQ-N-281

ASTM-B36/B36M

ASTM-B121/B121M

ASTM-D5948

NAVSEA DWG 815-1197224

The margins of this specification are marked with vertical lines to indicate where changes 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.

Custodian:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-2007-017)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil/>.