

MILITARY SPECIFICATION SHEET

TERMINAL BOX, CONNECTION, SUBMERSIBLE (15-FOOT), 80-TERMINAL, 320-WIRE,  
600 VOLTS, SYMBOL NO. 438

This specification sheet is approved for use by the Naval Sea Systems Command and is available for use by all Departments and Agencies of the Department of Defense.

The complete requirements for acquisition of the terminal box described herein shall consist of this document and the latest issue of MIL-T-24558(SH).

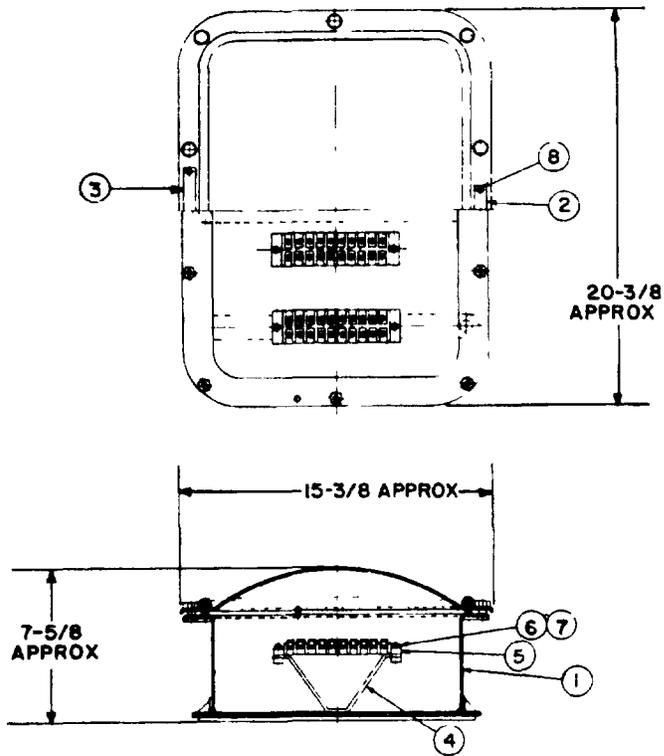
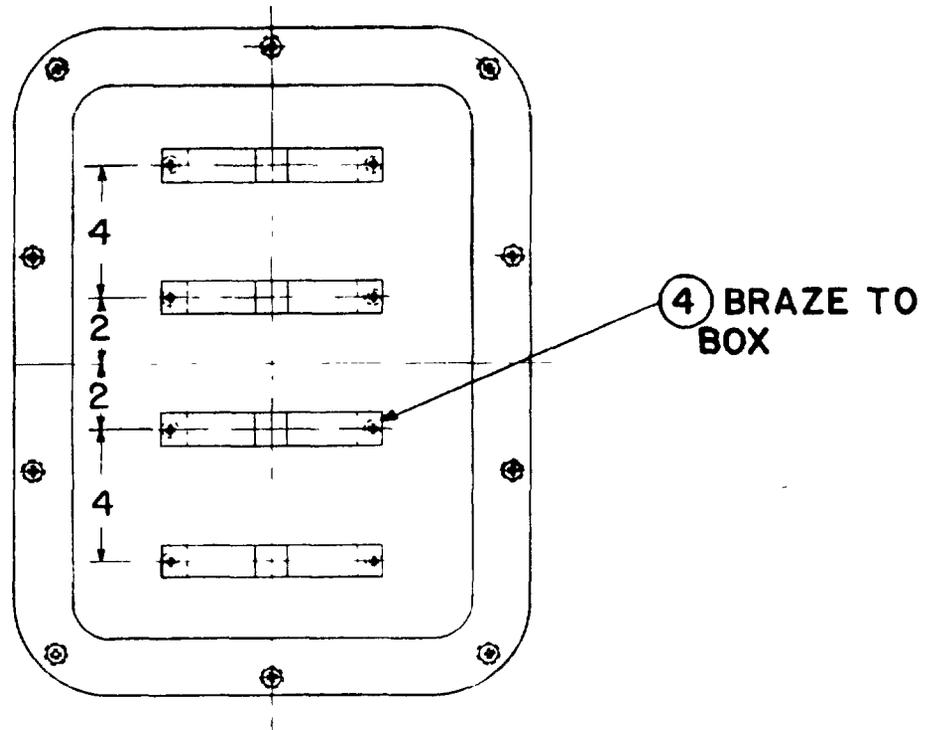


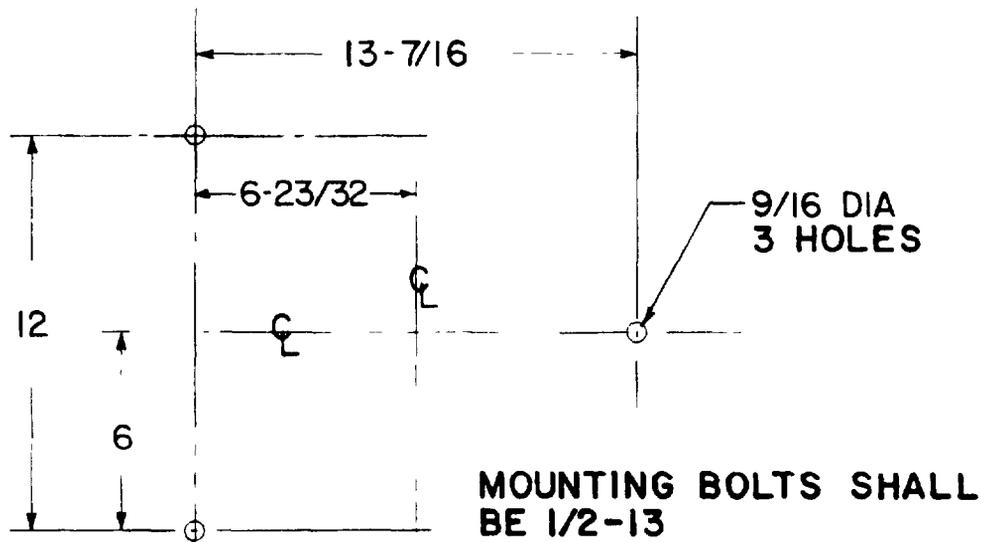
FIGURE 1. Connection box assembly.

All dimensions in inches.  
For tolerances, other than specified herein, see paragraph 3.4.8 of MIL-T-24558.



SH 11600

FIGURE 2. Location of terminal board mounting brackets.



SH 11601

FIGURE 3. Mounting dimensions.

## REQUIREMENTS:

## DESIGN:

Electrical rating: 600-volt rms/DC. The maximum current shall be 40 amperes per stud of terminal board.

Dimensions and configuration: See figures 1 through 3.

Standard parts: The standard parts shown in table I shall be used in the construction of the connection box specified herein. Numbers in circles shown on the figures are the same as those shown in "Item" column of table I.

Enclosure: 15-foot submersible.

QUALITY ASSURANCE: First article inspection and Quality conformance inspection shall be as specified in MIL-T-24558.

GENERAL INFORMATION: Assignment of Military part numbers and general information is as follows:

- (a) Military part number: M24558/10-438.
- (b) Weight: The weight of the connection box shall be 32.0 lbs. maximum.
- (c) Formerly covered on NAVSHIPS Drawing No. 9000-S6202-74024.
- (d) Overall terminal box dimensions are approximate. Exact dimensions are shown on Military Specification for Item 1, table I.
- (e) The maximum number of wires (including spares) shall not exceed four times the number of terminals, and the maximum number of wires to be connected to a single terminal shall not exceed four.

TABLE I. Parts list.

Item	Description	Qty	Part no. or spec	Remarks
1	Enclosure assembly, brass with type A cover	1	MIL-E-24142/6	M24142/6-009
2	Identification plate	1	MIL-T-24558	Figure 6
3	Information plate	1	MIL-T-24558	Figure 6
4	Mounting bracket	4	MIL-T-24558	Figure 1
5	Terminal board assembly	4	MIL-T-55164/10	4TB20
6	RH mach screw #10-24x7/8" long	8	COML	Brass
7	Washer for #10 screw	8	COML	Bronze
8	RH mach screw #6-32x1/4" long	4	COML	Brass

Preparing activity:

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(Project 5940-N856-10)

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<p><b>DOCUMENT IDENTIFIER AND TITLE</b> MIL-T-24558/10 (SH)</p>		
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