

FED. SUP CLASS
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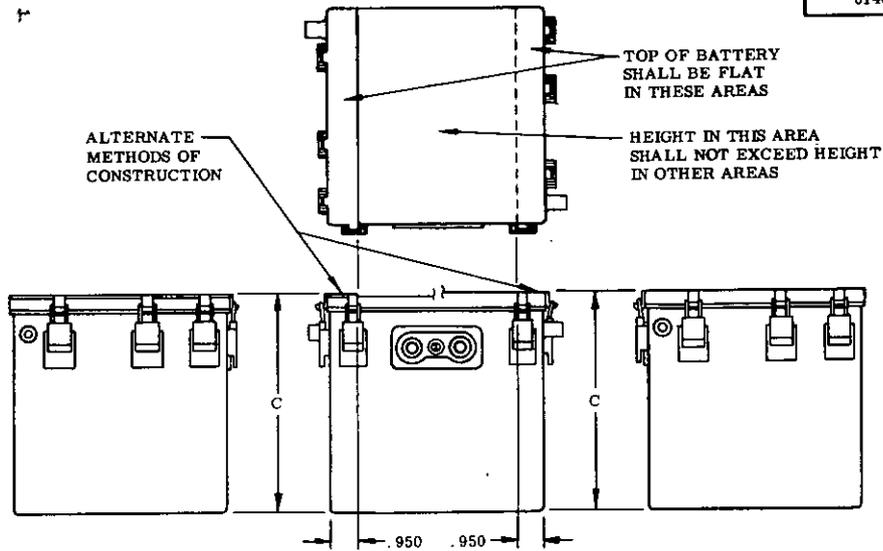


FIGURE 1

REQUIREMENTS:

1. THE MS PART NUMBER OF THE BATTERY SHALL BE MS90377-1.
2. THE BATTERY SHALL CONFORM TO REQUIREMENTS OF MS18093 FOR SIZE NUMBER 3 MODIFIED AS SHOWN ABOVE AND AS FOLLOWS:
 - A. HOLD-DOWN HOOKS. THE BATTERY SHALL NOT INCLUDE ANY HOLD-DOWN HOOKS OR BAR.
 - B. HEIGHT. THE HEIGHT C SHALL BE $8.645 \pm .062$, AND SHALL APPLY TO THE BATTERY AS SHOWN ABOVE. THE TWO FLAT AREAS SPECIFIED ABOVE SHALL BE COPLANAR.
 - C. CINCH BAND. THE BATTERY SHALL NOT INCLUDE ANY CINCH BAND.
 - D. INSULATING COVER LINER. AN EPOXY GLASS LINER $.062 \pm .007$ INCH THICK SHALL BE CONTAINED BETWEEN THE INSIDE, TOP SURFACE OF THE METAL CONTAINER COVER AND THE ELASTOMER LINER. THE LINER SHALL PROVIDE COMPLETE COVERAGE OF THE INSIDE, TOP SURFACE OF THE CONTAINER COVER.
 - E. HOLD-DOWN PADS. THE ELASTOMER LINER SHALL INCLUDE HOLD-DOWN PADS THAT CONTACT THE INTERCELL CONNECTING STRAP OF EACH CELL TO RESTRICT VERTICAL MOVEMENT OF THE CELLS DURING VIBRATION.
3. NOMINAL CAPACITY. THE NOMINAL CAPACITY OF THE BATTERY SHALL BE 16 AMPERE-HOURS.
4. MAXIMUM WEIGHT. THE WEIGHT OF THE BATTERY FILLED WITH ELECTROLYTE SHALL NOT EXCEED 55 POUNDS IN ANY STATE OF CHARGE.
5. SPECIFICATION. THE BATTERIES SHALL CONFORM TO REQUIREMENTS OF MIL-B-8565 FOR MAINTAINABLE, VENTILATED, RECEPTACLE-CONNECTED, CRADLE-MOUNTED, HEAVY DUTY HIGH DISCHARGE RATE BATTERIES MODIFIED AS FOLLOWS:

GENERAL. REPLACE "DESIGN STANDARD", WHEREVER IT OCCURS, WITH "PROCUREMENT STANDARD".

- 4.6.1 MOUNTING. THE BATTERY SHALL BE CLAMPED IN THE CRADLE BY TWO FLAT BARS, WITH ONE OF THE BARS BEARING ON THE COVER ADJACENT TO EACH OF THE LEFT AND RIGHT EDGES OF THE COVER, AND EXTENDING INWARD FROM THE EDGES 0.844 ± 0.100 FROM THE SIDES, MEASURED IN THE LOWER 2/10 OF THE HEIGHT, AND EXTENDING FROM THE FRONT EDGE OF THE COVER TO THE BACK EDGE OF THE COVER. THE HOLD-DOWN BARS SHALL BE CLAMPED TO THE

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This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where applicable.

APPROVED 28 APR 65 REVISED (G) 24 NOV 69 (H) 19 SEPT 1975 (J) 20 SEPT. 1976 (K) 30 SEPTEMBER 1982

P.A. NAVY - AS Other Cust	TITLE BATTERY, STORAGE, AIRCRAFT, VIBRATION-RESISTANT, HEAVY DUTY, 16 AMPERE-HOUR, 24-VOLT	MILITARY STANDARD MS90377(AS)
PROCUREMENT SPECIFICATION MIL-B-8565	SUPERSEDES:	SHEET 1 OF 3