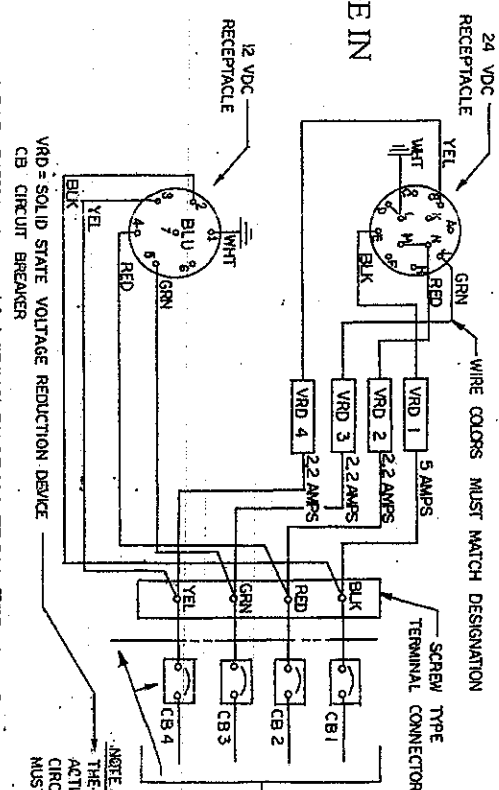


DISTRIBUTION STATEMENT A
 Approved for Public Release;
 Distribution is Unlimited.

SPECIFICATIONS

1. THE BOX IS USED TO CHANGE THE VOLTAGE FROM 24 VDC TO 12 VDC.
2. THE VOLTAGE SHALL BE REGULATED WITHIN +/- 10% UNDER A LOAD CONDITION VARIATION FROM 20 TO 120%.
3. THE BOX TEMPERATURE SHALL NOT RISE MORE THAN 30°C OVER AN AMBIENT TEMPERATURE OF 40°C AT MAXIMUM LOAD CONDITION.
4. OVERLOAD PROTECTION SHALL BE PROVIDED AND SHALL INCLUDE AN AUTOMATIC RESET DEVICE.
5. THE LOAD DISTRIBUTION AND WIRING DIAGRAM FROM THE TERMINALS SHALL COMPLY WITH DETAIL 'A' AS SHOWN.
6. A COMPLETE LOAD TEST TO CHECK THE PERFORMANCE OF EACH UNIT USING A LOAD SIMULATION IS REQUIRED. PARTS LIST, SCHEMATIC, AND REPAIR PROCEDURES MUST BE PROVIDED WITH EACH ITEM.
7. THE BOX HOUSING THE ELECTRICAL COMPONENTS MUST BE A NEMA TYPE 4X ENCLOSURE PROVIDING PROTECTION AGAINST CORROSION, VIBRATION, WINDBLOWN DUST AND RAIN, PLUS SPLASHING AND HOSE-DIRECTED WATER.
8. THE 12 VDC RECEPTACLE SHALL BE 7 CONDUCTOR AND COMPLY WITH 8AE J680B. THE 24 VDC RECEPTACLE SHALL BE 12 CONDUCTOR AND COMPLY WITH NS 76021-1.
9. THE BOX MOUNTING HOLES AND GENERAL ARRANGEMENT SHALL COMPLY WITH DETAIL 'B' AS SHOWN. ALL COMPONENTS SHALL BE EASILY ACCESSIBLE FOR MAINTENANCE.
10. THE BOX IDENTIFICATION SHALL COMPLY WITH MIL-STD-130.
11. PAINT GREEN 383. COLOR CODE 34094.
12. I.A.W. MIL-C-53098 OR MIL-C-48198.

VOLTAGE IN



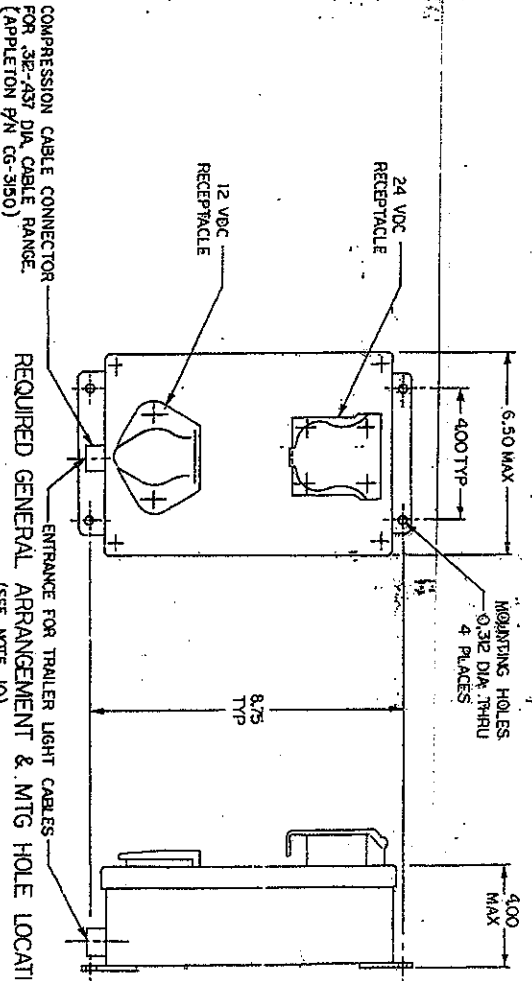
LOAD DISTRIBUTION & WIRING DIAGRAM FROM TERMINALS

(SEE NOTE 5)
 DETAIL - A

12V OUT

NOTE:
 THE VOLTAGE REGULATION MUST BE PROVIDED ONLY BY ACTIVE SOLID STATE DEVICES SUCH AS SCR INTEGRATED CIRCUITS, ETC. PASSIVE ELEMENTS SUCH AS RESISTORS MUST BE EXCLUDED AS A VOLTAGE REGULATION DEVICE.

REV	DESCRIPTION	DATE
1	NOTE 8 - NEMA TYPE 4X	10/1/88
2	ADDED NOTE - EXTERNAL BOX	10/1/88



REQUIRED GENERAL ARRANGEMENT & MFG HOLE LOCATION

(SEE NOTE 10)

DUPLICATE
 FOR FILE IN TERMINAL DATA DIVISION

UNIT	DATE	DESCRIPTION
1	10/1/88	INITIALS
2	10/1/88	INITIALS
3	10/1/88	INITIALS
4	10/1/88	INITIALS
5	10/1/88	INITIALS

DESIGNER	CHECKED	DATE	DESIGN
KENTH ROENNETTE	L. J. ALDRIDGE	9 MAR 88	NSN 2590-01-003-9416
APPROVED	APPROVED		

DEFENSE CONSTRUCTION SUPPLY CENTER
 COLUMBUS, OHIO

NSN 2590-01-003-9416
 10/1/88