



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	AUTH
ALL	A	ADDED: P/N SYM 444MA TO PART LIST. REVISED: NOTES 2 & 6 FOR SYM 444MA. AUTH: MFR REQUIREMENTS.	7/25/08	WW
	B	ADDED: NOTE 7. AUTH: ADMIN REQ.	4/10/13	WW

- NOTES:
- THIS DRAWING DEVELOPED FROM MIL-T-24558/19A.
 - RATINGS AND SPECIFICATIONS:
 - 1000 VOLTS, 40 AMPS MAXIMUM PER STUD OF TERMINAL BOARD.
 - 4 TERMINALS, 8 WIRES MAX.
 - DEGREE OF ENCLOSURE: SUBMERSIBLE TO 15 FEET (SBM-15) PER MIL-STD-108.
 - MAGNETIC PERMEABILITY: LESS THAN 2.0 FERROUS MATERIALS: NONE.
 - WEIGHT: 3.25 LBS MAX. FOR SYM 444, 1.75 LBS FOR SYM 444MA.
 - UNLESS OTHERWISE SPECIFIED, CABLE ENTRANCE DEVICES WILL BE PROVIDED AND INSTALLED BY THE INSTALLING ACTIVITY.
 - TERMINAL BOARDS ARE MOLDED BARRIER STUD TYPE, CLASS 16TB PER A-A-59125/20, MAXIMUM LUGS PER STUD IS 4. BU-SHIPS TYPE L80. STUDS ARE 8-32.
 - SYM 444 TESTED UNDER AERO NAV LAB REPORT 0-0938 AND COMSACO FIRST ARTICLE TEST REPORT FA-1023 HAS SHOCK AND VIBRATION APPROVAL PER SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR, USN, GROTON, LETTER 688/9072 F#E688, SER 272C/688 DATED 15MAY1990.
TEST INCLUDED SHOCK PER MIL-S-901C, HI-IMPACT, LIGHTWEIGHT, GRADE A, CLASS I, TYPE A, AND VIBRATION PER MIL-STD-167, TYPE I, EXPLORATORY 4Hz TO 33Hz, ENDURANCE AT RESONANCE OR 33Hz.
 - FINISH: SYM 444MA INTERIOR/EXTERIOR GREY ENAMEL.
 - A) SHOCK EXTENSION APPROVAL FOR 404-444MA, BIW CAT# 30008-162, PER BIW EMAIL 26MAR2013. EXTENSION GRANTED FROM P/N SYM 435.1MA TESTED PER RETLIF LABORATORIES REPORT R-14241, REV-, DATED 12APR2012 AND APPROVED PER SUPERVISOR OF SHIPBUILDING USN BATH LETTER 9072 SER 252A/603, DATED 14MAR2013 FOR HIGH IMPACT LIGHTWEIGHT SHOCK, GRADE A, CLASS I, HULL MOUNT.
B) VIBRATION EXTENSION APPROVAL FOR 404-444MA, BIW CAT# 30008-162, PER SUPSHIP BATH LTR 4200 SER 260/1575 DATED 11OCT2012. EXTENSION GRANTED FROM P/N SYM 435.1MA TESTED PER RETLIF LABORATORIES REPORT R-14241, REV-, DATED 12APR2012 AND APPROVED PER BIW VIDM 16710, DATED 30APR2012.
C) ANY CHANGE TO THIS DRAWING OR LOWER TIER DRAWING REQUIRES REVIEW AND APPROVAL TO MAINTAIN SHOCK AND VIBRATION CERTIFICATION.

ASSEMBLY		Parts List		
444MA	444	ITEM	PART NUMBER	DESCRIPTION
—	1	1	200285	BOX WELDMENT, BRASS, 5" RND, MIL-E-24142/5
—	1	2	200288	COVER WELDMENT, BRASS, 5" RND
1	1	3	MS28775-254	"O" RING COVER GASKET, RUBBER
1	1	4	16TB4	TERMINAL BOARD, 4T, 1000V, 40A, A-A-59125/20
—	1	5	X-RHM-BRS-1024-750	SCREW, RHM, BRASS, 10-24 X 3/4"
—	2	6	X-ELW-PHB-10	WASHER, EXT TOOTH, PHOS-BRZ, #10
—	6	7	X-RHM-BRS-1024-500	SCREW, RHM, BRASS, 10-24 X 1/2"
—	4	8	X-FLW-BRS-10	WASHER, FLAT, BRASS, #10
—	1	9	100609	INFO PLATE, BRASS, BLANK
1	—	10	200285A	BOX WELDMENT, ALUM, 5" RND
1	—	11	200288A	COVER WELDMENT, ALUM, 5" RND
1	—	12	100609A	INFO PLATE, ALUM, BLANK
6	—	13	X-RHM-SS-024-500	SCREW, RHM, CRES, 10-24 X 1/2"
4	—	14	X-ELW-CRES-10	WASHER, EXT TOOTH, CRES, #10
2	—	15	X-FLW-CRES-10	WASHER, FLAT, CRES, #10
2	—	16	X-RHM-SS-024-750	SCREW, RHM, CRES, 10-24 X 3/4"

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		CHECKED			
		QA		TERMINAL BOX ASSY, BRASS, SBM-15, 4TERM, 1000V, SYM 444	
		MFG			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES +/- 1/64 .XX .XXX .005		APPROVED W WESTHOFF	7/2/2008	SIZE D 57626	CODE IDENT NO 404-444
				DWG NO 404-444	REV B
NEXT ASSY		USED ON		SCALE	SHEET 1 OF 1