NOTES:

1 INTERPRET DRAWING PER MIL-STD-100E

2 UNLESS OTHERWISE SPECIFIED:
- A. BREAK ALL SHARP EDGES: .005-.015R.
- B. FILLET RADII: .01-.02R.
- C. SURFACE FINISH 125
- D. FABRIC DIMENSIONS ARE SHOWN WITH OBJECT DEFLATED AND LAYING FLAT.
- E. WELDED ASSEMBLIES REQUIRING MACHINE WORK SHALL BE ACCOMPLISHED SUBSEQUENT TO WELDING.

3 WELD ITEM 21, REINFORCEMENT PADS ON INTERIOR SURFACES OF BOOM SLEEVE AND INFLATION BLADDER.

4 INSTALL PLASTIC WASHER BETWEEN BOOM SLEEVE AND BLADDER WITH TEETH FACING TOWARDS BLADDER.

5 DIMENSION IS 19" WHEN BLADDER IS INFLATED TO 1.0 PSIG.

6 WELD ITEM 20, REINFORCEMENT PATCH, ON INTERIOR OF INFLATION BLADDER.

7. TOTAL THICKNESS OF BOOM SLEEVE WITH REINFORCEMENT TO BE APPROXIMATELY 70 MIL. TOTAL THICKNESS OF BOOM SLEEVE AND BLADDER ASSEMBLY TO BE APPROXIMATELY 100 MIL.

8 HANDLES ARE OMITTED WHERE LIFTING POINTS ARE LOCATED

9. BOOM MARKING & NUMBERS SHALL BE APPLIED ON BOTH SIDES.

10 STENCIL SEQUENTIAL NUMBERS CORRESPONDING TO STAGING UNITS.

11 APPLY BLACK SILKSCREENED LETTERS N.S. AND F.S.

12. WELDING.
INERT GAS SHIELDED TUNGSTEN ARC PROCESS IN ACCORDANCE WITH MIL-W-22248A, CLASS 3 USING ER 4043 FILLER METAL PER MIL-E-16053, TYPE 4043. SUBSEQUENT HEAT TREATMENT REQUIREMENTS NOT APPLICABLE.

13. THIS DESIGN IS PROTECTED UNDER U.S PATENT NO. 5,022,786

14 PUNCH ø.375 THRU ALL FABRIC PLIES.

15 2 TOW BRIDLE ASSEMBLIES (ITEM 26) PER STAGING UNIT QUANTITIES SHOWN FOR ITEMS 27-41 ARE FOR ONE TOW BRIDLE ASSEMBLY ONLY.

16 16 BOOM ASSEMBLIES PER STAGING UNIT.

17 PLACE 3 EQUALLY DISTANCED HANDLES BETWEEN LIFTING POINTS, NOT TO EXCEED 5 FT. ON CENTER.

18 9" OAL FORMED INTO ø3.00 LOOP.

19 REFER TO DWG. 172301 FOR EXTRUSION DETAILS.

PARTS LIST (CONT'D)

	6		CROSBY G215	1 1/8"DIA. PIN SHACKLE, GALV.			41
	4		-42	PLATE, IDENTIFICATION, 4.00Wx .032 THK, ACID ETCHED 304 CRS	QQ-S-766		42
	8		CLP62	RIVET, BLIND, PROTRUDING HEAD ø.18 NOM.x.12 GRIP LG, CHERRY	CRES BODY & STEM		43
	14		1736 OBU	PATCH, REINFORCEMENT ø2.50 36 OZ URETHANE COATED NYLON FABRIC			44
	2		MS35307-366	CAPSCR, HEX HD., .375-16UNC-2A x 2.00 L.	300 SERIES CRES		45
	15		MS17830-6C	NUT, HEX, SLFLKG, N.M INSERT, 375-16UNC-2B	300 SERIES CRES		46
	2		-47	PIN, MOUNTING, RND. BAR STK. ø.875 NOM.x10.00 L. 316 CRES	QQ-S-763		47
	8			BOOM SECTION			48
	7		MS35307-368	CAPSCR., HEX HD., .375-16UNC-2A x 2.50 L.	300 SERIES CRES		49
	28		MS15795-813	WASHER, FLAT, ROUND .375-16UNC-2B	300 SERIES CRES		50
	7		MS15795-813	NUT, HEX, PLN, .375-16UNC-2B	300 SERIES CRES		51
	2		1736 OBU	36 oz. URETHANE CTD. NYLON 2 1/2" x 2"			52
	3		1736 OBU	36 oz. URETHANE CTD. NYLON 2 7/8" x 34" DOUBLE LAYER			53
	1		-54	4"CIRC. 2-1 SUPER STR. SAMSON NYLON ROPE. 56'±5" L.			54
	1		-55	4"CIRC 2-1 SUPER STR. SAMSON NYLON ROPE. 150'±5"L.			55
	6		MS36307-362	CAPSCR, HEX HD. .375-16UNC-2A x 1.25 L.			56
	4		90312A31	LANYARD ASSY., MCMASTER-CARR	300 SERIES CRES		57
19	1		-58	CONNECTOR ASSY. 6005-T5			58
	1		-59	FILLER, F.B., .25 NOM. THK. 1.75Wx52.00L. 6061-T6	QQ-A-200/8		59
	1		XG	VALVE ASSY., DRAIN, BLACK MONSUN	POLYACETYL, GF		60
REV A	1			WEAK LINK STAINLESS STEEL WIRE 5/16" X 24" WITH EYES BREAKS BETWEEN 18K-22K LBS			67
REV A	2			1" SHACKLE	GALV STEEL		68

PARTS LIST

	QTY REQD	CAGE CODE	SYM	ISO/CFSMS NO PART OR	GE DESCRIPTION NOMENCLATURE	SPECIFICATION MATERIAL	ZONE	ITEM NO
16	/			172300	BOOM ASSEMBLY			1
	12			12HBPPYEL	HANDLE, 3/8" BRAIDED POLYPROPHYLENE ROPE			2
19	2				CONNECTOR, BOOM, EXTRUSION 6005-T5			3
	9				1/4" BRAIDED POLYPROPHYLENE ROPE. 24" L.			4
	4			DB2-1545-060	REFLECTIVE STRIP, 12"L x 6"W.	46 CFR 164.018		5
	3			PD3730	3/8"x3" "D" RING	CRES		6
	83'				1/2" GALV. ST. CHAIN GR8	ASTM A391, GR 8		7
	8			XG	VALVE ASSY., INFLATION, YELLOW, MONSUN	POLYACETYL, GF		8
				-9	3/4"DIA 2-1 SUPER STR SAMSON NYLON ROPE, 51.5'±2"			9
	1			19N-160-SS	CONN,SQ THD STRP,5/8"	300 SERIES CRES		10
	A/R			17360BU	36oz URETHANE CTD,NYL FABRIC			11
	2			19G090SS	CONN.,THD. CHAIN,3/8"	300 SERIES CRES		12
	2			19P-100-SS	CONNECTOR, THD CHAIN, PEAR, 7/16"	300 SERIES CRES		13
	24			NO. 4RNG/SW BRASS	NO. 4 GROMMET BRASS			14
	4			40-TCLPINASBL	TOGGLE PIN	300 SERIES CRES		15
	2				DOWEL, HARDWOOD ø1.00x44.00L.			16
	22			MS35307-308	CAPSCR., HEX HD. .250-20UNC-2B x 1.00L.	300 SERIES CRES		17
	22			MS15795-4C	NUT, HEX, SLFLKG, N.M. INSERT, .250-20UNC-2B	300 SERIES CRES		18
	2				WIRE ROPE, .25x14" 7-19	300 SERIES CRES		19
	8			1736 OBU	36 oz. URETHANE CTD. NYLON ø6			20
	16			L1023 SDEP	23 oz. URETHANE CTD. POLYESTER 3.37 x 3.37			21
	8			LCT 1152	URETHANE COATED 420 DENIER PACKCLOTH			22
	16				BRASS GROMMET 5/8" I.D.			23
	16			LCT 1152	URETHANE COATED 420 DENIER PACKCLOTH, 2" x 4"			24
	16			LCT 1152	URETHANE COATED 420 DENIER PACKCLOTH, ø6			25
15	2				TOW BRIDLE ASSY.			26
	1			19-N-180GS	11/16" LINK, GALV ST.			27
	2			CROSBY G341	1" SLING LINK, PEAR SHAPED, GALV. ST.			28
	1			-29	3/4"DIA. 2-1 SUPER STR.SAMSON NYLON ROPE, 54'±2"L.			29
	1			-30	3/4"DIA. 2-1 SUPER STR.SAMSON NYLON ROPE, 52'±2"L.			30
	1				4"CIRC. 2-1 SUPER STR. SAMSON NYLON ROPE, 126'±5"L.			31
	2				3/4" EYE SLEEVES, FLEEMISH	300 CRES		32
	6			CROSBY G411	1 1/8-1 1/4 THIMBLE,GALV.ST	FF-T-276,TYPE II		33
	1			CROSBY G414	3/4" THIMBLE HEAVY DUTY,GALV.ST	FF-T-276-TYPE III		34
	1			CROSBY G215	ø7/8" PIN SHACKLE,GALV ST.			35
	1			-36	3/4"DIA 2-1 SUPER STR SAMSON NYLON ROPE, 56'±2"L.			36
	8			-37	BRACKET, FB., .25 NOM. THK. x 2.50 W. x 6.00 L. 6061-T651	QQ-A-200/8		37
	4			CROSBY G215	ø5/8" PIN SHACKLE, GALV. ST.			38
	1			-39	3/4-6x25 WIRE ROPE SLING	CRES.		39
	8			CROSBY G414	5/8 ROPE THIMBLE, GALV. ST.	FF-T-276-TYPE III		40

REV.	DATE	APPR.	DESCRIPTION	BY
A	12/01/97	-	MEPALT 059-B-REEL-ALL-04 WEAK LINK INSTALLATION	-

CONTRACT NUMBER DTCG23-92-C-EC1069

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES.

TOLERANCES:	FRACTIONS	DECIMALS	ANGLES
	±1/32	±.01	±1°
		±.005	

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ISSUE		
01	07/17/01	LV
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 254
CAD FILE NAME: Z172300001
DESIGNED BY: RJL
DRAWN BY: JD
EDITED BY:
CHECKED BY: RMS

SCALE PLOT SCALE:

SHEET TITLE

G-SEC-2C
WASHINGTON DC

OIL CONT. BOOM ASS'Y

REVIEWED BY: REVIEWED BY: REVIEWED BY

PROJECT ENG. BRANCH CHIEF G-ECV-3D

CHIEF, CIVIL ENG DATE

PROJECT NUMBER DRAWING NUMBER
172300

DISCIPLINE/SHT NO
98- SHEET 1 OF 6