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MIPR NO: 92MM2594

**TITLE: INTEGRATION OF THE MOLECULAR SIEVE OXYGEN GENERATING
SYSTEM (MSOGS) INTO THE UH-60Q MEDEVAC BLACKHAWK**

**PRINCIPAL INVESTIGATOR: John Hight
Orlando Cordero-Montalvo**

**CONTRACTING ORGANIZATION: SERVAIR
Lexington Bluegrass Army Depot
Lexington, Kentucky 40511 -5125**

REPORT DATE: March 11, 1994

TYPE OF REPORT: Final Report

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**PREPARED FOR: U.S. Army Medical Research, Development,
Acquisition and Logistics Command (Provisional),
Fort Detrick, Frederick, Maryland 21702-5012**

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REPORT DOCUMENTATION PAGE

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13. ABSTRACT (Maximum 200 words) A Molecular Sieve Oxygen Generated System (MSOGS) was integrated in the UH-60Q Medevac Helicopter as part of the requirements of this program. Support equipment for the system operation was also integrated in this effort. Problems such as intake air sources, air flow cooling and moisture build-up were addressed. Functional and performance tests were conducted by personnel from the United States Army Aeromedical Research Laboratory. As a result of the integration effort a more simple and efficient method of installing the MSOGS unit and its supporting systems will be developed. Emphasis will be on the servicing of the oxygen lines on the field to make the system user friendly.			
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Introduction

The UH60Q Proof of Concept medical evacuation helicopter required the installation of a patient, continuous oxygen supply system. The Litton MSOGS (Molecular Sieve Oxygen Generating System) part no. 3261093, used on the F-15E, was selected by the United States Army Medical Research and Development Command to be incorporated in to the UH60Q package. Serv-Air Inc. had the tasking of installing this system on the UH60Q. All the functional and qualifications tests were done by the United States Army Aeromedical Research Laboratory. All the structural modifications and systems integration were done by Serv-Air Inc.

The systems integration performed by SAI included the design of the structural modifications required to install the system, the routing of oxygen lines to the delivery ports, power integration, and intake air supply. Materials selection, hardware and safety requirements such as airworthiness were also addressed. The installation of support systems like a purity sensor, flow regulator, heat exchanger, and shut-off valve were also part of the integration effort.

System layout description

The MSOGS unit is installed between STA 485 and STA 505 on WL 209, LBL 7.0, on the transition area of the aircraft. The unit is mounted on an aluminum honeycomb tray, which is supported by two extruded aluminum angles integrated to the basic airframe. This location was selected for easy maintenance and installation/removal of the unit. Furthermore since the source of air supply is the APU bleed air tube, this location is ideal for that purpose.

In order to keep the intake air at a temperature of at least no more than 80 deg.F, and to reduce moisture build up due to condensation, a heat exchanger was installed. The heat exchanger is composed of a radiator/diffuser with a fan that discharges the warm air outboard. Aluminum extruded shapes are the main structural supports for the system. The heat exchanger is located at STA 468, WL 239, LBL 32.0.

A shut-off valve was installed to cut the air supply to the MSOGS from the APU intake in the event that more power was required to the aircraft engines. It is located at LBL 32.0, STA 468, WL 221. The shut-off valve is held in place by standard aluminum shapes.

An oxygen purity sensor monitors the concentration of oxygen delivered to the patient, which must be at least a 93% concentration of pure oxygen. Another support mechanism is the oxygen flow regulator. Its function is to ensure that oxygen is delivered at a rate of 27 liters per minute. It is located at STA 495, WL 220, RBL 29.5, which is opposite to the oxygen sensor position. The location of these support systems responded mainly to the space available and the routing of the system lines. The supporting structure for these two items consist of extruded aluminum shapes or formed aluminum parts integrated to the airframe and fastened with standard aircraft hardware.

As a result of the amount of equipment installed for other systems, the routing developed for the oxygen lines was based on the space available for routing, but at the same time serviceability was an important factor too. The oxygen lines were made of 5052-0 aluminum tubing with diameters ranging from .50 in. to .375 in. and type 302/304 cres (corrosion resistant steel) with a diameter of .25 in. The fittings used to join the lines are standard AN and MS flared fittings.

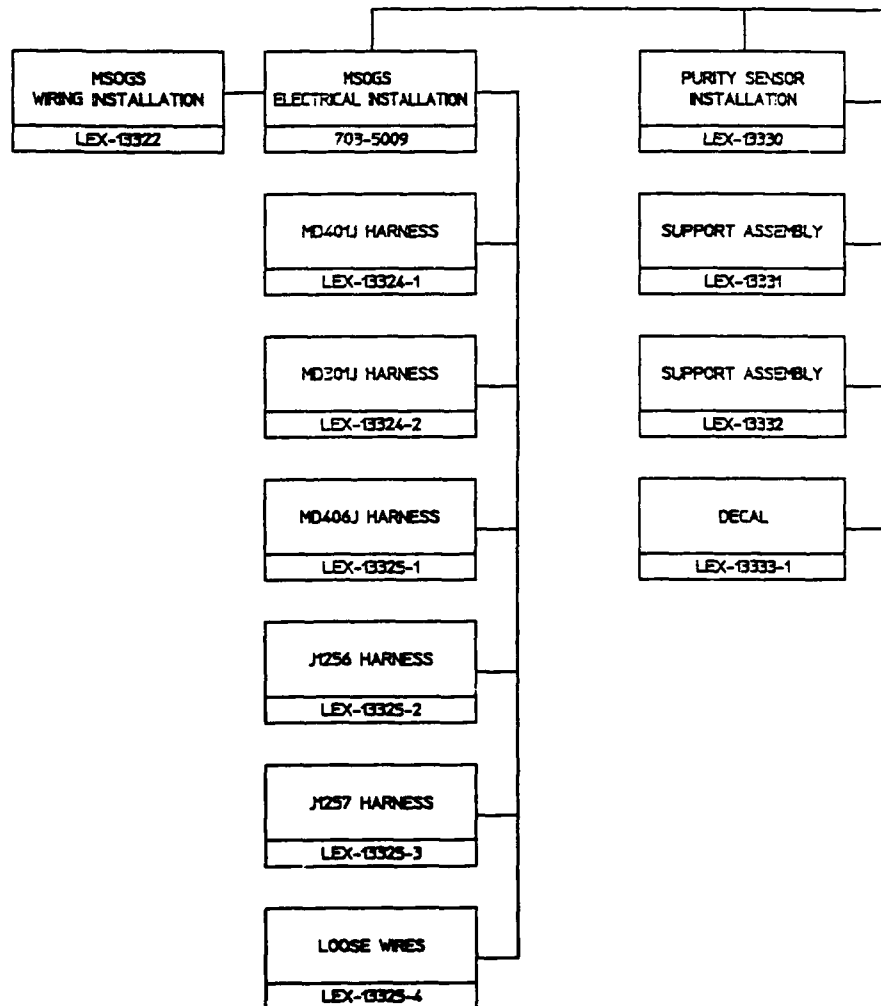
Conclusions

The integration of the MSOGS system on the UH60Q was accomplished without any major difficulties. A more efficient method of installing and servicing the oxygen lines is being explored. All other support systems locations make them user friendly for replacement and servicing.

NOTES

1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12

(1)



ZONE	REV	DESCRIPTION
		CAD GENERATED

MSOGS
DRAWING TREE
LEX-13320

MSOGS
KIT
LEX-13321

2

SEE SHEET 2 FOR CONTINUATION

PURITY SENSOR
INSTALLATION
LEX-13330

SUPPORT ASSEMBLY
LEX-13331

SUPPORT ASSEMBLY
LEX-13332

DECAL
LEX-13333-1

FLOW SENSOR
INSTALLATION
LEX-13337

DECAL
LEX-13333-2

ANGLE SUPPORT
LEX-13334

SOLENOID SHUT OFF
VALVE INSTALLATION
LEX-13345

DECAL
LEX-13333-3

BRACKET
LEX-13335

BRACKET
LEX-13336

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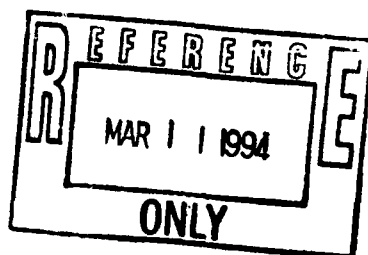
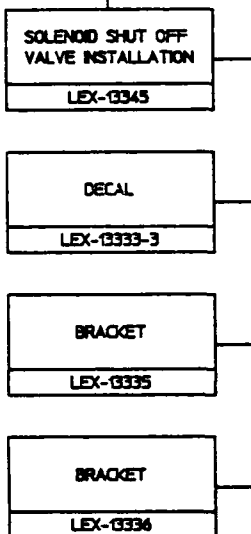
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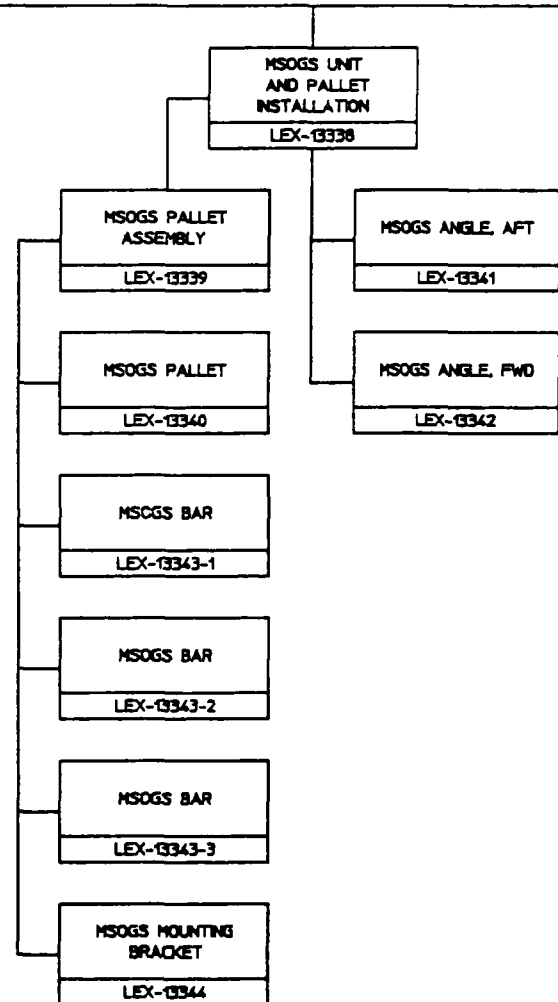
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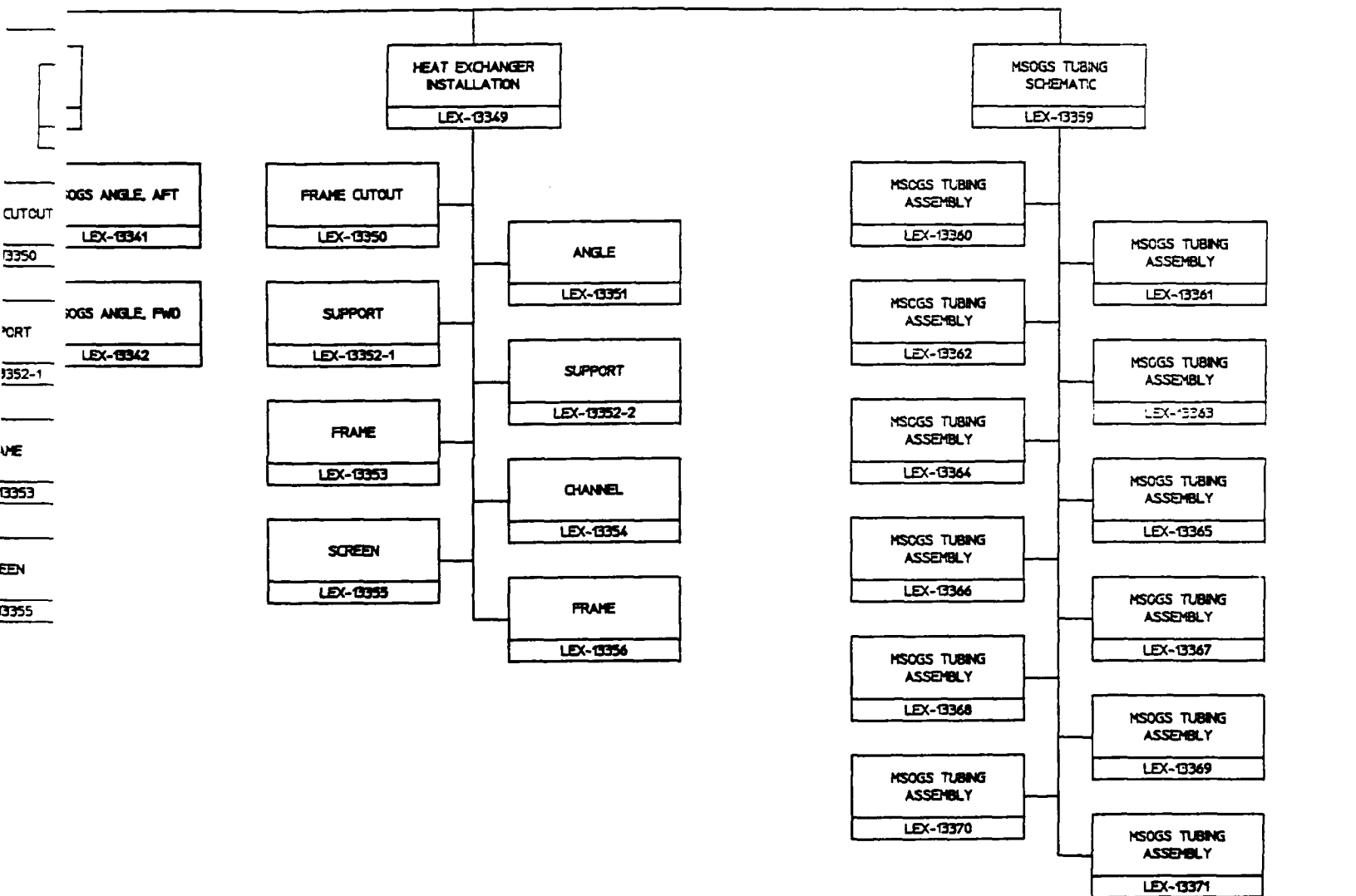
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				D 7S976 LEX-13320			
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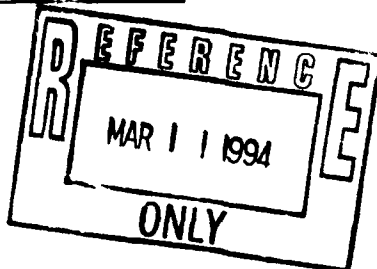
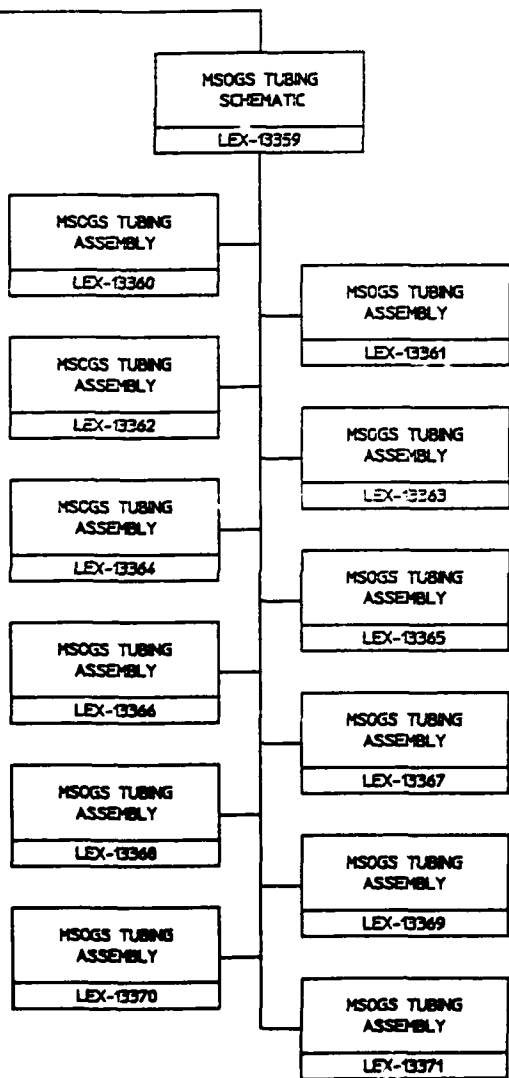
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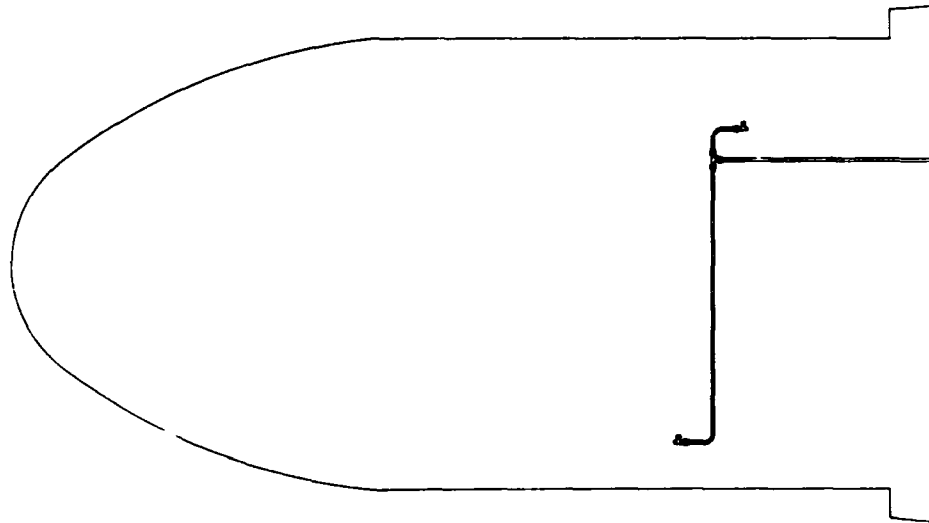
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AND MIL-STD-100
- 2: INTERPRET ABBREVIATIONS PER MIL-STD-12

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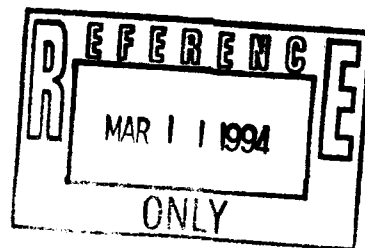
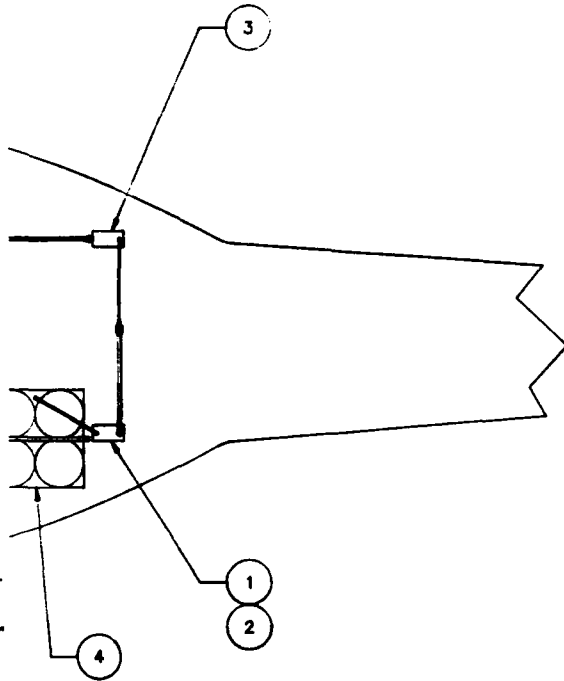
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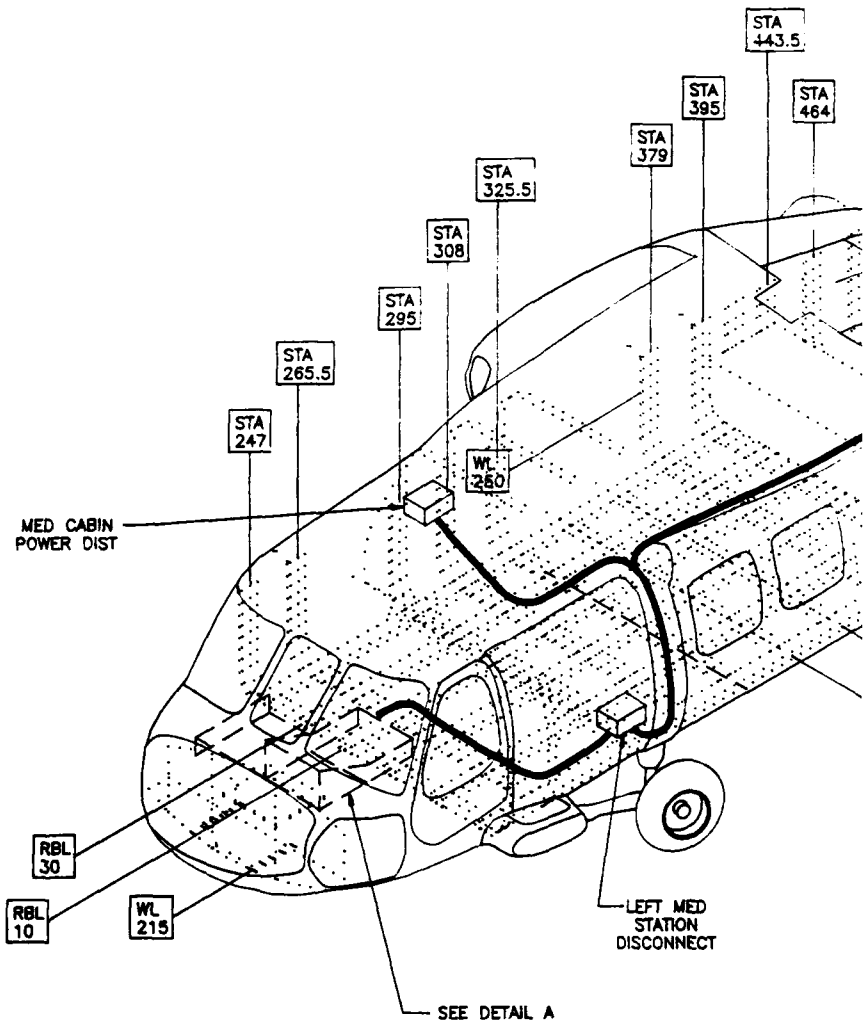


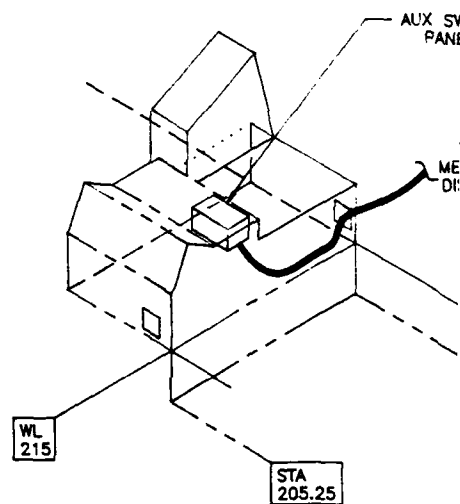
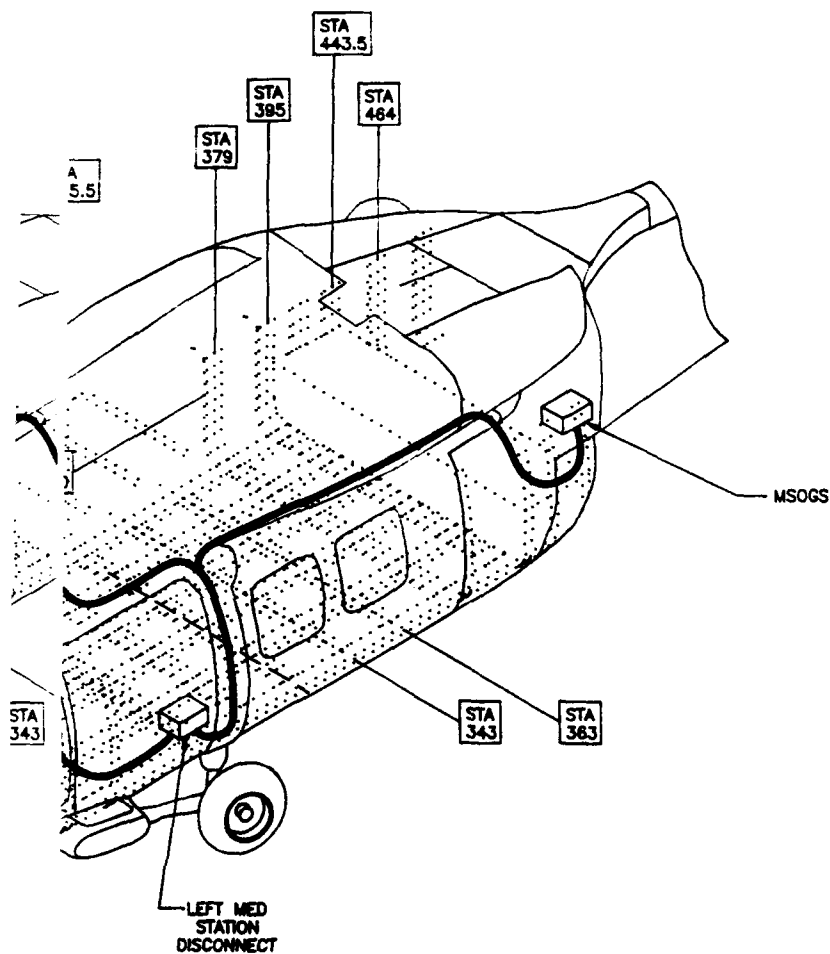
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1		SOLENOID SHUT OFF VALVE INSTL	LEX-13345		EA	5
1		MSOG UNIT AND PALLET INSTL	LEX-13338		EA	4
1		FLOW SENSOR INSTL	LEX-13337		EA	3
1		PURITY SENSOR INSTL	LEX-13330		EA	2
1		MSOGS ELEC INSTL	703-5009		EA	1
X		MSOGS KIT	LEX-13321			

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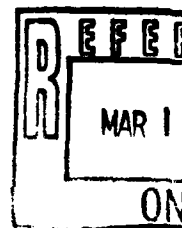
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2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REFERENCE ELECTRICAL INSTALLATION, DWG 703-5009 FSCM 99251
4. HARNESS INSTALLATION PER MIL-W-5088K





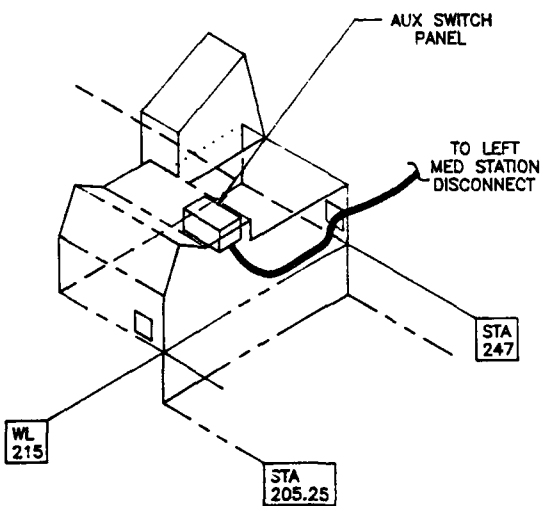
DETAIL A
LOWER CONSOLE AND
INSTRUMENT PANEL



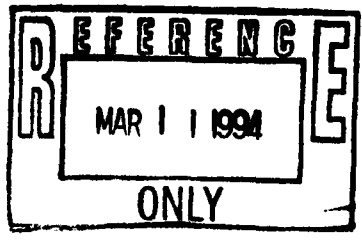
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DETAIL A
LOWER CONSOLE AND
INSTRUMENT PANEL



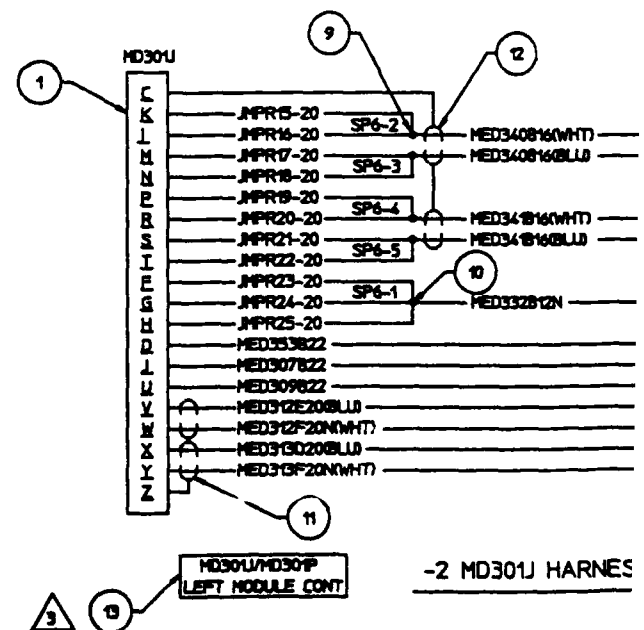
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MSOGS WIRING INSTALLATION				
D 7S976		LEX-13322		
NONE		1 1		

NOTES:

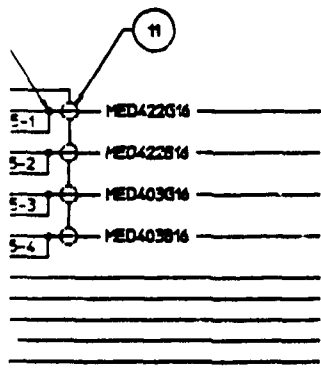
1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. STAMP CONNECTOR IDENTIFIERS AS SHOWN PER MIL-STD-130
4. FABRICATE AND INSPECT PER MIL-W-5088L

WIRE TABLE				
WIRE NO.	FROM	TO	FND	LENGTH
JNPR7-20	MD401U-AA	SP5-1	3	6'
MED422G16	SP5-1	SP5-5	5	500"
JNPR8-20	MD401U-BB	SP5-1	3	6'
JNPR9-20	MD401U-CC	SP5-2	3	6'
MED422B16	SP5-2	SP5-6	5	500"
JNPR10-20	MD401U-DD	SP5-2	3	6'
JNPR11-20	MD401U-EE	SP5-3	3	6'
MED403G16	SP5-3	SP5-7	5	500"
JNPR12-20	MD401U-FF	SP5-3	3	6'
JNPR13-20	MD401U-GG	SP5-4	3	6'
MED403B16	SP5-4	SP5-8	5	500"
JNPR14-20	MD401U-HH	SP5-4	3	6'
MED401B22	MD401U-II	SP4-1	4	500"
MED417B20	MD401U-JJ	MD406J-UJ	7	500"
MED41E20BLU	MD401U-V	MD41P	8	500"
MED41F20N(WHT)	MD401U-W	MD41P	8	500"
MED41D20BLU	MD401U-X	MD41P	8	500"
MED412F20N(WHT)	MD401U-Y	MD41P	8	500"

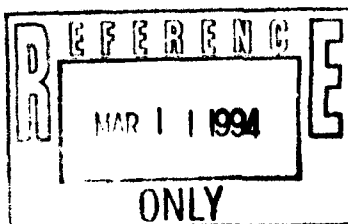
WIRE TABLE				
WIRE NO.	FROM	TO	FND	LENGTH
JNPR15-20	MD301U-K	SP6-2	3	6'
JNPR16-20	MD301U-L	SP6-2	3	6'
MED340B16(WHT)	SP6-2	SP6-7	6	500"
JNPR17-20	MD301U-M	SP6-3	3	6'
MED340B16BLU	SP6-3	SP6-8	6	500"
JNPR18-20	MD301U-N	SP6-3	3	6'
JNPR19-20	MD301U-O	SP6-4	3	6'
JNPR20-20	MD301U-P	SP6-4	3	6'
MED341B16(WHT)	SP6-4	SP6-9	6	500"
JNPR21-20	MD301U-Q	SP6-5	3	6'
MED341B16BLU	SP6-5	SP6-10	6	500"
JNPR22-20	MD301U-R	SP6-5	3	6'
JNPR23-20	MD301U-S	SP6-1	3	6'
JNPR24-20	MD301U-T	SP6-1	3	6'
MED332B12N	SP6-1	SP6-6	2	500"
JNPR25-20	MD301U-U	SP6-1	3	6'
MED307B22	MD301U-V	MD401U-D	4	500"
MED307B22	MD301U-W	MD401U-E	4	500"
MED307B22	MD301U-X	SP4-1	4	500"
MED312E20BLU	MD301U-Y	MD302P	8	500"
MED312F20N(WHT)	MD301U-Z	MD302P	8	500"
MED313D20BLU	MD301U-A	MD302P	8	500"
MED313F20N(WHT)	MD301U-B	MD302P	8	500"



REV	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-02-16	



-1 MD401J HARNESS



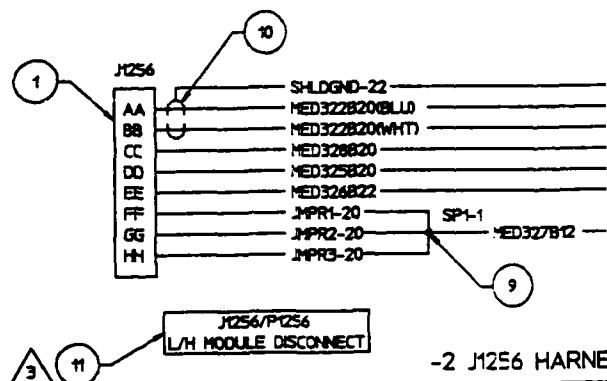
67	84	LD. SLEEVE		M23053/5-108-9	ML-23053	N	13
2	3	SHIELD TERMINATOR		M83519/2-10	ML-S-83519	EA	12
2	4	SHIELD TERMINATOR		M83519/2-8	ML-S-83519	EA	11
1		SPLICE	04090	D-436-53		EA	10
4	4	SPLICE		M81824/1-2	ML-S-81824	EA	9
1000	1000	CABLE, SHIELDED		M27500-208P2823	ML-C-27500	N	8
	500	CABLE, SHIELDED		M27500-208P1823	ML-C-27500	N	7
1000		CABLE, SHIELDED		M27500-168P2823	ML-C-27500	N	6
	2000	CABLE, SHIELDED		M27500-168P1823	ML-C-27500	N	5
1500	500	WIRE, 22 AWG		M22759/43-22-9	ML-W-22759	N	4
64	48	WIRE, 20 AWG		M22759/43-20-9	ML-W-22759	N	3
500		WIRE, 12 AWG		M22759/43-12-9	ML-W-22759	N	2
1	1	CONNECTOR		M83022E22-58P	ML-W-22759	EA	1
		MD30U HARNESS		LEX-13324-2			-
		MD40U HARNESS		LEX-13324-1			-
ZONE #							
SYN		SIGNATURE		DATE		PARTS LIST	
SYN		SIGNATURE		DATE		PARTS LIST	
SYN		SIGNATURE		DATE		PARTS LIST	
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SYN							

NOTES:

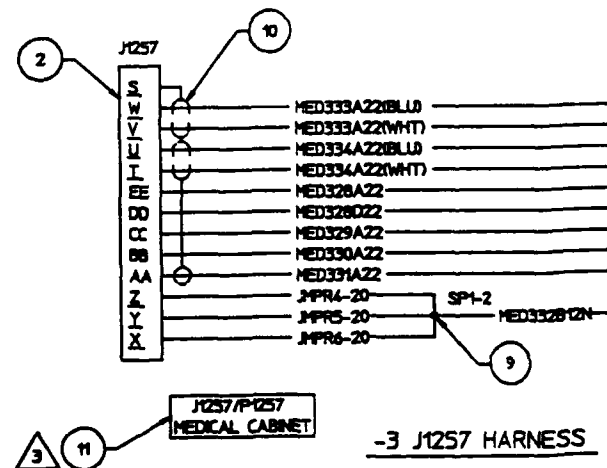
1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. STAMP CONNECTOR IDENTIFIER(S) AS SHOWN PER MIL-STD-130
4. FABRICATE AND INSPECT PER MIL-W-5088L

WIRE TABLE			
WIRE NO.	FROM	TO	FIND
MED413822	MD406J-I	SP4-1	5
MED417320(BLU)	MD406J-V	MD413P	7
MED417420(NWHT)	MD406J-W	MD413P	7
MED418020(BLU)	MD406J-X	CAP	7
MED418020(NWHT)	MD406J-Y	CAP	7

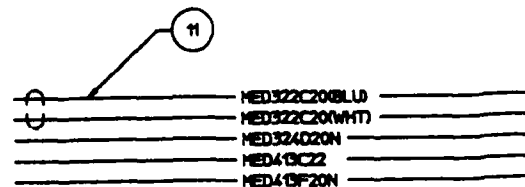
WIRE TABLE				
WIRE NO.	FROM	TO	FIND	LENGTH
SHLDGND-22	SHIELD	GND	5	72"
MED322820(BLU)	J1256-AA	RELAY	7	500"
MED322820(NWHT)	J1256-BB	RELAY	7	500"
MED326820	J1256-CC	RELAY-X1	4	500"
MED325820	J1256-DD	P1259-A	4	500"
MED326822	J1256-EE	P1260-3	5	500"
JMPR1-20	J1256-FF	SP1-1	4	6'
JMPR2-20	J1256-GG	SP1-1	4	6'
MED327812	SP1-1	SP1-2	3	500"
JMPR3-20	J1256-HH	SP1-1	4	6'



WIRE TABLE				
WIRE NO.	FROM	TO	FIND	LENGTH
MED333A22(BLU)	J1257-W	P1261-2	8	500"
MED333A22(NWHT)	J1257-V	P1261-10	8	500"
MED334A22(BLU)	J1257-U	P1261-2	8	500"
MED334A22(NWHT)	J1257-T	P1261-1	8	500"
MED328A22	J1257-EE	ENSW-1	5	500"
MED328022	J1257-DD	RELAY-X2	5	500"
MED329A22	J1257-CC	P1258-2	5	500"
MED330A22	J1257-BB	P1259-C	5	500"
MED331A22	J1257-AA	P1259-D	6	500"
JMPR4-20	J1256-Z	SP1-2	4	6'
JMPR5-20	J1257-Y	SP1-2	4	6'
MED332812N	SP1-2	MEDTB-3	3	500"
JMPR6-20	J1257-X	SP1-2	4	6'

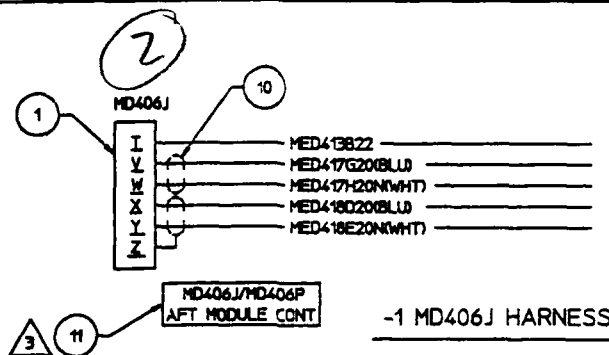


WIRE TABLE				
WIRE NO.	FROM	TO	FIND	LENGTH
MED322C20(BLU)	RELAY	P1258-12	7	72"
MED322C20(NWHT)	RELAY	P1258-13	7	72"
MED324020N	ENSW-2	GND	4	72"
MED413C22	SP4-1	P1088-J	5	500"
MED413P20N	GND	P1088-K	4	500"

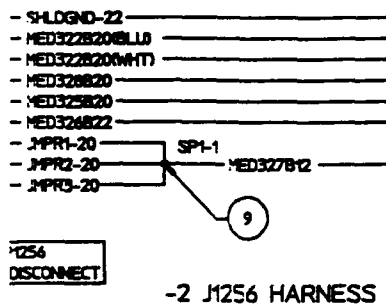


-4 LOOSE WIRES

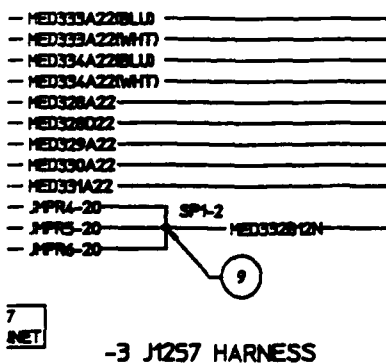
WIRE TABLE				
NO.	FROM	TO	FIND	LENGTH
2	MD406J-I	SP4-1	5	500"
3BLU	MD406J-V	MD4GP	7	500"
3NWHIT	MD406J-W	MD4GP	7	500"
3BLU	MD406J-X	CAP	7	500"
3NWHIT	MD406J-Y	CAP	7	500"



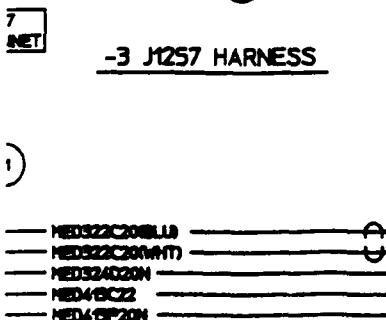
DATE	REV	DESCRIPTION
		CAD GENERATED



SECRET
MAR 1 1994
ONLY



6	84	42	84		ID. SLEEVE		M23053/5-106-9	ML-4-23053
	3	1	2		SHIELD TERMINATOR		M83519/2-8	ML-S-83519
	1	1			SPLICE	06090	D-436-53	
	1000				CABLE, SHIELDED		M27500-22SP2S23	ML-C-27500
72		500	1000		CABLE, SHIELDED		M27500-20SP2S23	ML-C-27500
	500				CABLE, SHIELDED		M27500-22SP1S23	ML-C-27500
500	2000	572	500		WIRE, 22 AWG		M22759/43-22-9	ML-W-22759
572	18	1018			WIRE, 20 AWG		M22759/43-20-9	ML-W-22759
	500	500			WIRE, 12 AWG		M22759/43-12-9	ML-W-22759
	1				CONNECTOR		MS3122E22-58S	
		1	1		CONNECTOR		MS3122E22-58P	
X					LOOSE WIRES		LEX-13325-4	
X					J1257 HARNESS		LEX-13325-3	
X					J1256 HARNESS		LEX-13325-2	
X					MD406J HARNESS		LEX-13325-1	



QUANTITY REQUIRED PER DASH NO.	SYN	NOMENCLATURE	CODE DESI	IDENTIFYING NO.	MATERIAL/SPECIFICATION
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN DECIMAL INCHES UNLESS OTHERWISE SPECIFIED		CONTRACT NO. DAA807-92-Z-8506	SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEM
		FRESH		SLH 93-01-16 LM 93-12-07 QCM 93-12-07	MSOGS HARNES
					D 7S976 LEX-
					NONE

1	3	2	1
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10

MED413822
 MED417G20(BLU)
 MED417H20(NWHT)
 MED418G20(BLU)
 MED418E20(NWHT)

606J/MD406P
 MODULE CONT

-1 MD406J HARNESS

ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-01-16	

REFERENCE

MAR 1 1 1994

ONLY

QTY	UOM	DESCRIPTION	PART NO.	QTY	UOM	DESCRIPTION	PART NO.	QTY	UOM	DESCRIPTION	PART NO.
6	EA	42	84			LD. SLEEVE					
		3	1	2		SHIELD TERMINATOR					
		1	1			SPLICE	06090				
		1000				CABLE, SHIELDED					
2		500	1000			CABLE, SHIELDED					
		500				CABLE, SHIELDED					
500	2000	572	500			WIRE, 22 AWG					
72	18	1018				WIRE, 20 AWG					
		500	500			WIRE, 12 AWG					
		1				CONNECTOR					
			1	1		CONNECTOR					
						LOOSE WIRES					
						J257 HARNESS					
						J256 HARNESS					
						MD406J HARNESS					

QTY	UOM	ZONE	PUB	MATERIAL/SPECIFICATION	IDENTIFYING NO.	NOMENCLATURE	SYN	REV	DATE
4	-3	-3	-1						

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES-DECIMALS OR
FRACTIONS

1/8" 3/16" 1/4" 5/16" 3/8" 1/2" 5/8" 3/4" 7/8" 1"

CONTRACT NO.
DAA807-92-Z-8506

S.I.H. 93-01-16
L.H. 93-12-07
O.C.H. 93-12-07

SERV-AIR, INC.
A SUBSIDIARY OF E-SYSTEMS INC. LEAD LEX, KY.

MSOGS HARNESS

D 7S976 LEX-13325

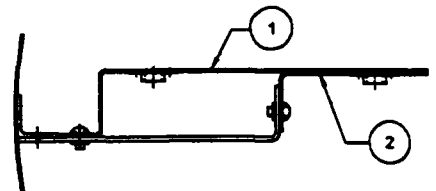
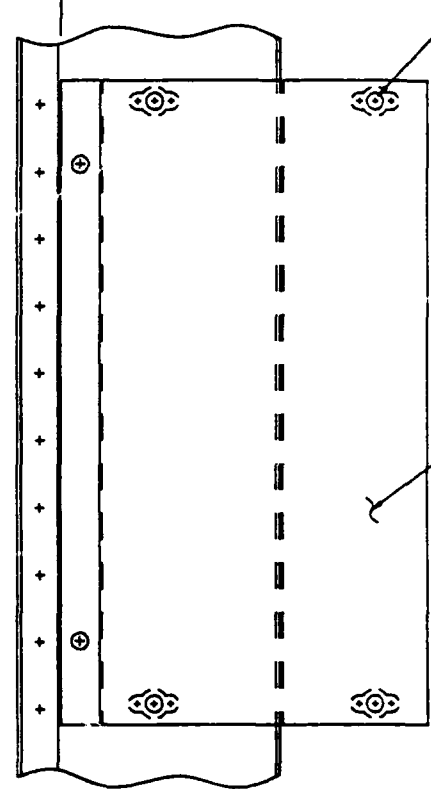
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NOTES:

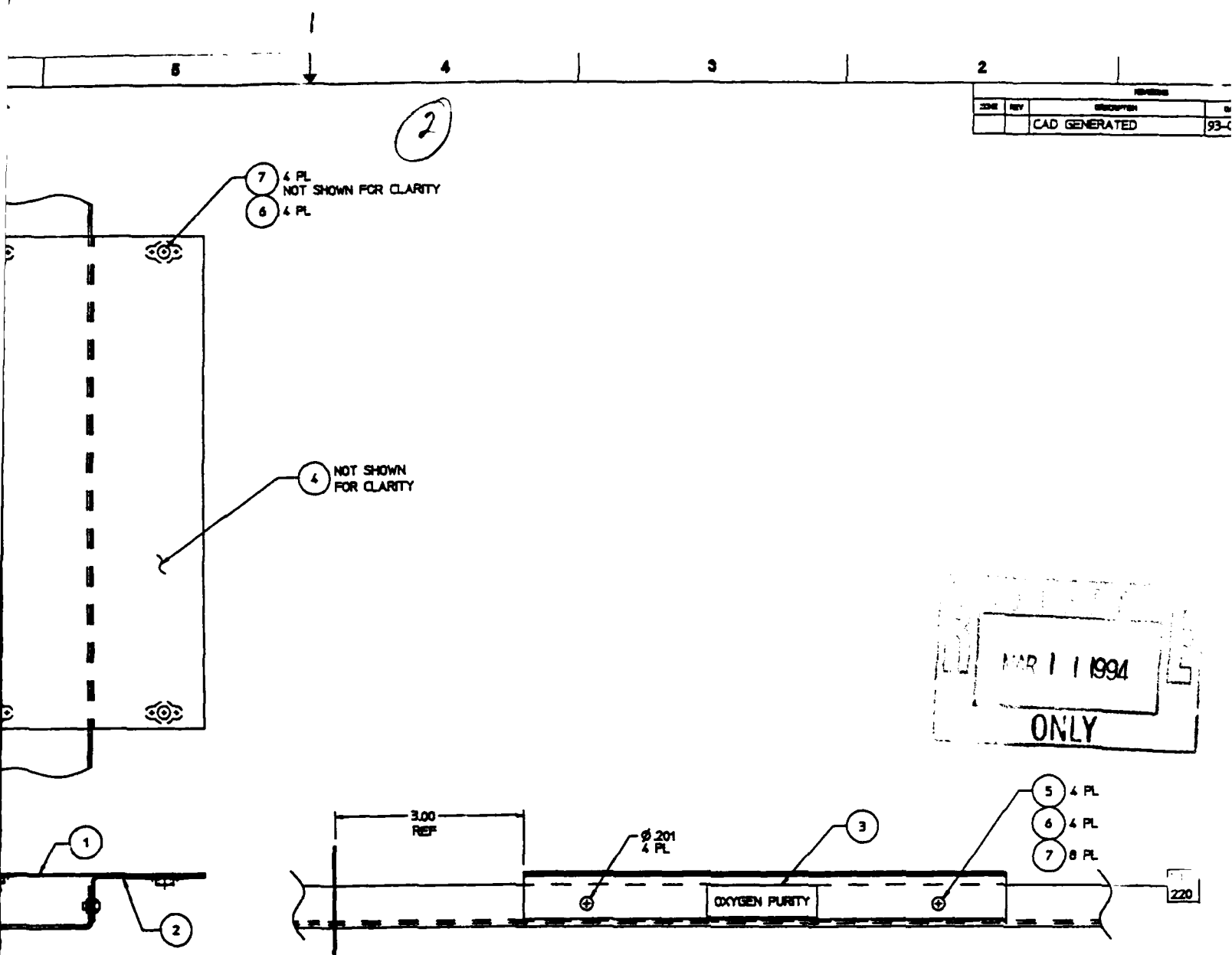
1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
5. IDENTIFICATION CODE OF FASTENERS PER NAS 523
6. INSTALLATION OF FASTENERS PER MIL-STD-1515

SIGN REMOVED FOR CLARITY

LBL
495



ZONE	REV	DESCRIPTION	DATE
		CAD GENERATED	93-0



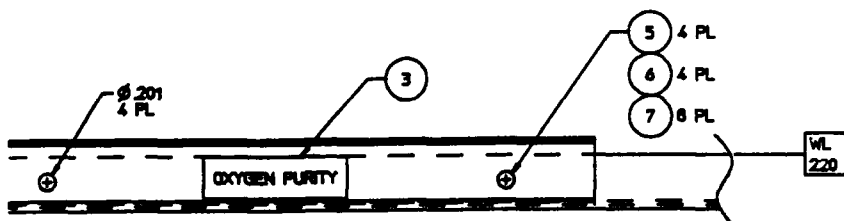
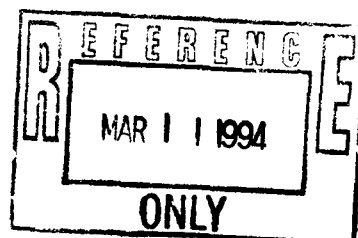
VIEW LOOKING OUTBOARD
LEFT HAND SIDE

STA
495

12	WASHER		MS15795-008		E
8	SCREW		MS1958-63		E
4	NUT		MS21042L3		E
1	OXYGEN PURITY		708-1019-80		E
1	DECAL		LEX-13333-1		E
1	SUPPORT ASSY		LEX-13332		E
1	SUPPORT ASSY		LEX-13331		E

QUANTITY REQUIRED PER DASH NO.	SYN	NOMENCLATURE	CODE (BIT)	IDENTIFYING NO.	MATERIAL/SPECIFICATION
		PARTS LIST			
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR MILLIMETERS		CONTRACT NO. DAAB07-92-Z-8506		SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEMS, INC.
	FINISH 6		SLH 93-04-13 L.H. 93-12-07 V.L.D. 93-12-10		
LEX-13321	UH-600				PURITY SENS INSTALLATIO
APPLICATION				D 7S976	LEX-133

ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-04-13	

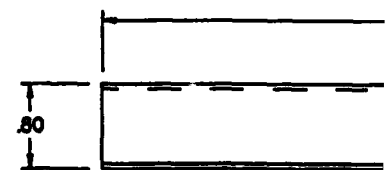
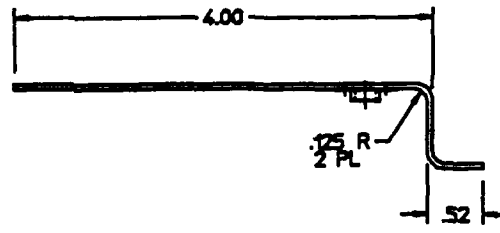


12	WASHER	HS15795-808	EA	7
8	SCREW	HS1958-43	EA	6
4	NUT	HS21042L3	EA	5
1	OXYGEN PURITY	708-1018-80	EA	4
1	DECAL	LEX-13333-1	EA	3
1	SUPPORT ASSY	LEX-13332	EA	2
1	SUPPORT ASSY	LEX-13331	EA	1

SYN	NOMENCLATURE	QTY REQ	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE	PSB NO.
PARTS LIST							
USING DIFFERENT SPECIFIED DIMENSIONS ARE IN CONFORMANCE WITH ** ** ** **		CONTRACT NO. DAAB07-92-Z-8506		SERV-AIR, INC. SOPRA A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.			
P/N: 13333-1 		SLH 93-04-13 L.H. 93-12-07 V.L.D. 93-12-10		PURITY SENSOR INSTALLATION			
UH-600 13333-1		D 7S976		LEX-13330			
3		2		1			

①

-
- Technical drawing of a rectangular plate. The width is dimensioned as 25. A vertical centerline is shown. A feature labeled '1' is located on the left edge. A circular feature with a cross inside is located on the centerline near the bottom edge.



4		RIVET
2		NUTPLATE
1		SUPPORT

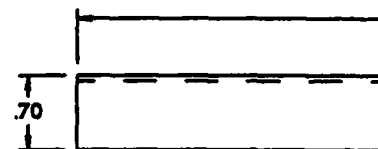
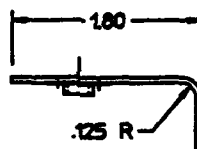
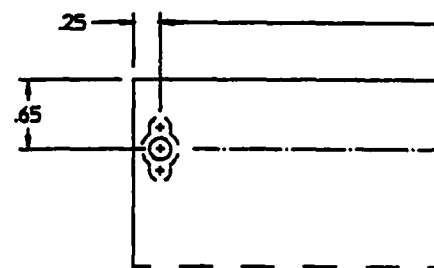
BASIC CODE		HAS 523 FASTENER CODE		QUANTITY REQUIRED PER DASH NO.		SYMBOL		NOMENCLATURE	
88 - H323-426AD		INSTALL RIVETS PER H323				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-TOLERANCE ON FINISH			
BASIC CODE		DASH NO. FOR DIA N - NPS HEAD N/S P - NPS HEAD P/S				X = .1 3000 .03 3000 .010		. 1	
C - COUNTDOWN BOTH SIDES CRK 100° AND GRIND FLUSH		DASH NO. FOR LENGTH				FINISH:			
				LEX-15530		UH-600			
				APPLICATION					

9

C	7S976	LEX-13331
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NOTES:

1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
6. IDENTIFICATION CODE OF FASTENERS PER NAS 523
7. INSTALLATION OF FASTENERS PER MIL-STD-1515
8. CHEMICAL CONVERSION COAT PER MIL-C-5541, CLASS 1A
EPOXY POLYAMIDE PRIME PER MIL-P-23377 TYPE I 2 COATS



4	RIVET
2	NUTPLATE
1	SUPPORT

SYN	NOMENCLATURE
-----	--------------

BASIC CODE	NAS 523 FASTENER CODE	QUANTITY REQUIRED PER DASH NO.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-TOLERANCE ON FINISH
BR - H83042MAD	INSTALL RIVETS PER H8305		X+.1 NA .03 X-.1 X-.10
	BASIC CODE	DASH NO. FOR DIA N - NPS HEAD N/S F - NPS HEAD F/S	FINISH
	C - COUNTERBANK BOTH SIDES CIR 100° AND GRIND FLUSH	DASH NO. FOR LENGTH	8
		LEX-13350	UH-400
		APPLICATION	

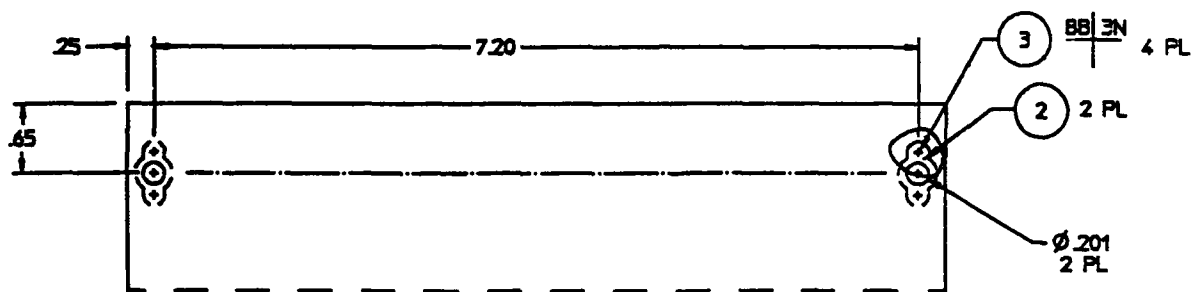
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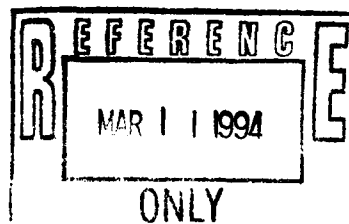
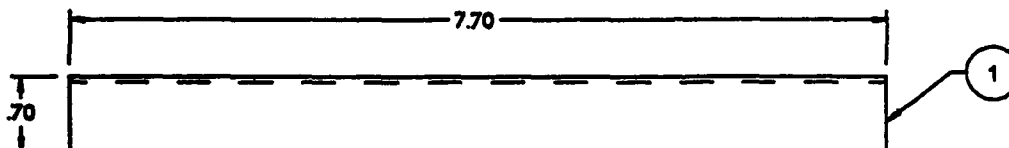
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-04-13	

20-



-7-



E IDENT

ACT NO PER DASH NO

DAAB

J.H.

J.M.

/L.D.

UH-600

2

ATION

2

1

QTY	SYMBOL	DESCRIPTION	CODE	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE	FRD NO.
4		RIVET		MS24026AD3		EA		3
2		NUTPLATE		MS21075L3		EA		2
1		SUPPORT		LEX-13332-1	.050x2.60x7.9 2024-T3 AL ALY QQ-A-250/5	EA		1

PARTS LIST

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES-DECIMALS AND
FRACTIONS

.1
 .03
 .010

FINISH



CONTRACT NO.

DAAB07-92-Z-8506

SLH 93-04-13

LH 93-12-07

V.L.D. 93-12-10



SERV-AIR, INC.

SOPSA

A SUBSIDIARY OF E-SYSTEMS INC. LEAD LEX, KY.

SUPPORT ASSEMBLY

C

7S976

LEX-13332

1/1

1 of 1

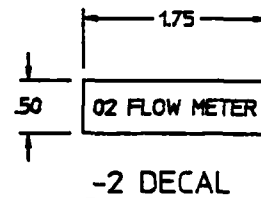
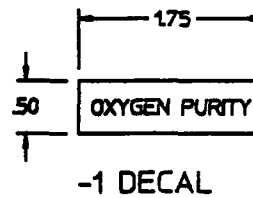
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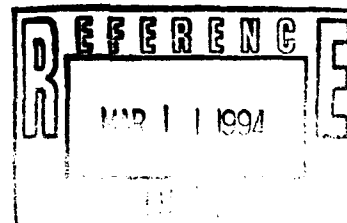
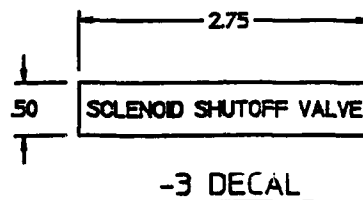
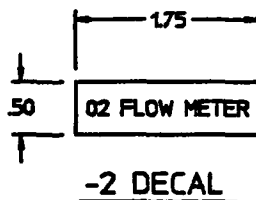
1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
5. DECAL HAS DOUBLE FACED ADHESIVE BACKING PER MIL-P-19834
TYPE 1 STYLE 3 QQ-A-250/1

**B**

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								DECAL
								DECAL
								DECAL
			-3	-2	-1	SYM		NONE
QUANTITY REQUIRED PER DASH NO.								
								UNLESS OTHERWISE SPECIFIED
								CONVERSIONS ARE IN DECIMALS
								FRACIONS
								INCHES
								X .1
								• NA
								3000 .03
								3000 .01
								FINISH:
LEX-13330			UH-600					
ITEM NUMBER			ITEM NO.					
APPLICATION								

REVISED				
DATE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-04-16	



					DECAL		LEX-13333-3	.012x.50x2.75 PHOTOSENSITIZED 2024-T3 AL ALY QQ-A-250/5			-
					DECAL		LEX-13333-2	.012x.50x1.75 PHOTOSENSITIZED 2024-T3 AL ALY QQ-A-250/5			-
					DECAL		LEX-13333-1	.012x.50x1.75 PHOTOSENSITIZED 2024-T3 AL ALY QQ-A-250/5			-
TURE	-3	-2	-1	SYM	NOMENCLATURE	ONE REV	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE	FRD NO.
RED FOR DASH INL				PARTS LIST							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-TYP. DIMENSIONS ARE IN PARENS				CONTRACT NO. DAAB07-92-Z-8506			 SERV-AIR, INC. SOFSA A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.				
				S.L.H. 93-04-16							
				L.H. 93-12-07							
				V.L.D. 93-12-10							
FINISH: • NA .1 • .03 • .010							DECAL				
UH-600							C 7S976 LEX-13333				
LOCATION											

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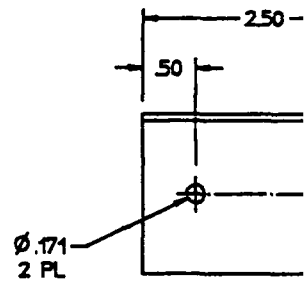
NOTES:

1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
6.  CHEMICAL CONVERSION COAT PER MIL-C-5541, CLASS 1A
EPOXY POLYAMIDE PRIME PER MIL-P-23377 TYPE I, 2 COATS

C

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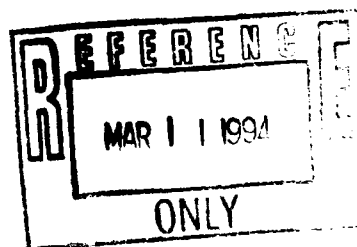
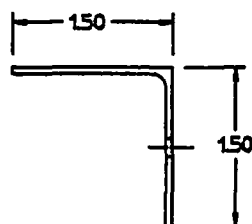
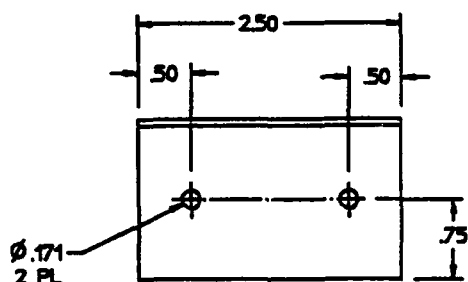


		ANGLE SUP
		SYN NOMENC
QUANTITY REQUIRED PER DASH NO.		UNLESS OTHERWISE SPECIFIED ARE IN INCHES-DECIMALS X.1 NA .03 XXX .010 FINISH: 
LEX-13337	UH-600	
APPLICATION		

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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-04-16	



SYN		ANGLE SUPPORT		LEX-13334-1		MS142840293 x 2.70 LONG 2024-T8311 AL ALY QQ-A-200/3		-	
NOMENCLATURE		CODE DES		IDENTIFYING NO.		MATERIAL/SPECIFICATION		U/M	
QUANTITY PER DASH NO.		PARTS LIST		CONTRACT NO.		SERV-AIR, INC.		SOPSA	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-TOLERANCES ON DIMENSIONS ARE IN INCHES-TOLERANCES ON DIMENSIONS ARE IN INCHES-TOLERANCES ON		DAAB07-92-Z-8506		93-04-16		A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.		ANGLE SUPPORT	
• NA		• P		SLH		93-12-07		V.L.D.	
.000 .010		.000 .010		.000 .010		.000 .010		.000 .010	
FINISH		C		7S976		LEX-13334		1 = 1	
UH-400		APPLICATION		2		1		1	

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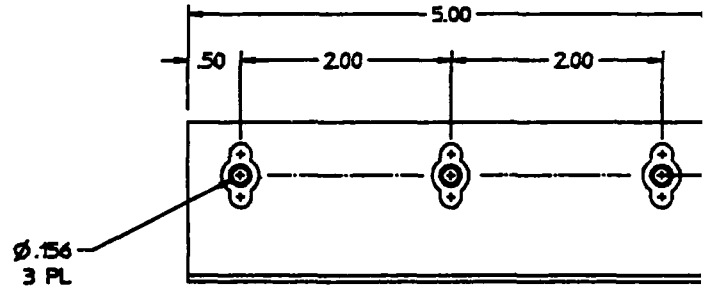


C

NOTES:

1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
6. IDENTIFICATION CODE OF FASTENERS PER NAS 523
7. INSTALLATION OF FASTENERS PER MIL-STD-1515
8.  CHEMICAL CONVERSION COAT PER MIL-C-5541, CLASS 1A
EPOXY POLYAMIDE PRIME PER MIL-P-23377 TYPE I, 2 COATS

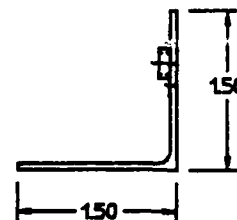
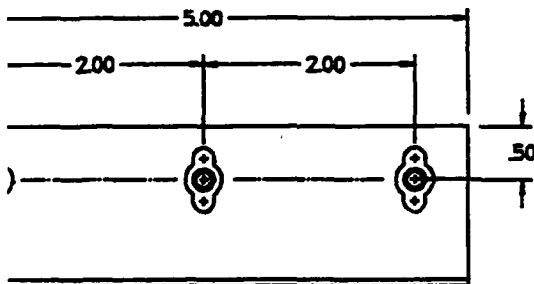
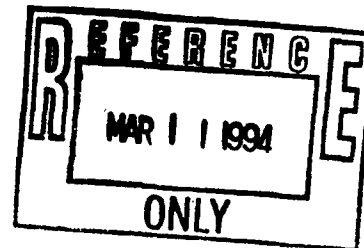
B



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BASIC CODE		NAS 523 FASTENER CODE		QUANTITY REQUIRED PER DASH NO.		BRACKET	
BASIC CODE		INSTALL RIVETS PER MIL-STD-1515				SYM	NOMENCLATURE
BJ - H320470AD BB - H320426AD		BASIC CODE				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-TOLERANCES FRACTIONS DECIMALS	
		DASH NO. FOR DIA N - HPS HEAD N/S P - HPS HEAD P/S				x .1 NA .03 NA .010	
		DASH NO. FOR LENGTH				FINISH	
		C - COUNTERSINK BOTH SIDES CSK 100° AND GRIND FLUSH					
				LEX-13345	UH-600		

REVISIONS				
DATE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-04-16	

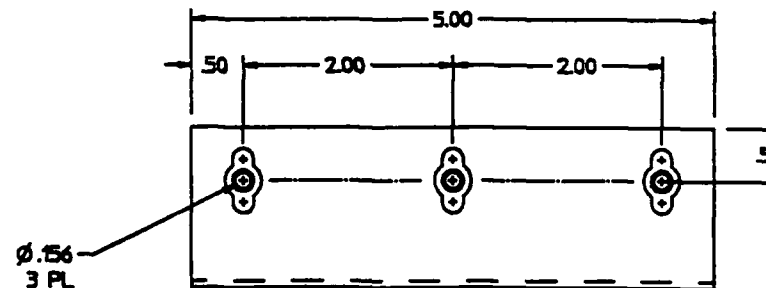


CODE		BRACKET		LEX-13335-1		MS14284D293 x 5.2 LONG					
		SYN		NOMENCLATURE		CODE DES		IDENTIFYING NO.		MATERIAL/SPECIFICATION	
REQUIRED PER DASH NO.										U/M	
CONTRACT										ZONE PRO NO.	
Dr											
SLJ											
LM											
V.L.											
45		UH-600									
APPLICATION											

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-TOLERANCES ON FRACTIONS DECIMALS MILLIMETERS		CONTRACT NO. DAA807-92-Z-8506		SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEMS INC. LEAD LEX, KY.	
• NA .1 3000 .03 3000 .010		SLJ 92-08-06		BRACKET	
FINISH		LM 93-12-07			
△		V.L.D. 93-12-10			
				C 7S976 LEX-13335	
				VI 1 1	

NOTES:

1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
6. IDENTIFICATION CODE OF FASTENERS PER NAS 523
7. INSTALLATION OF FASTENERS PER MIL-STD-1515
8.  CHEMICAL CONVERSION COAT PER MIL-C-5541, CLASS 1A
EPOXY POLYAMIDE PRIME PER MIL-P-23377 TYPE I, 2 COATS



A

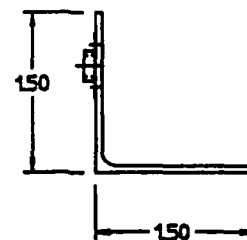
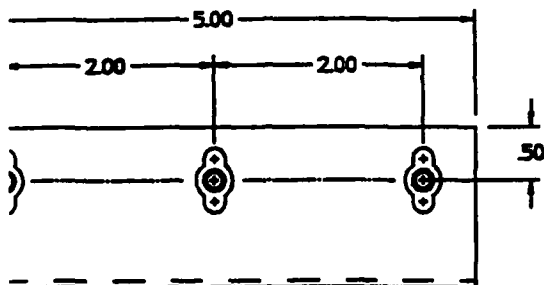
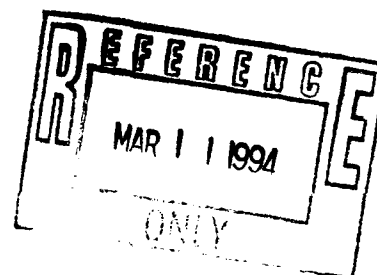
BASIC CODE	NAS 523 FASTENER CODE
BJ - H220470AD BB - H220426AD	INSTALL RIVETS PER H21515
BASIC CODE	DASH NO. FOR DIA N - NPS HEAD N/S F - NPS HEAD F/S
C - COUNTERSINK BOTH SIDES CSK 100° AND GRIND FLUSH	DASH NO. FOR LENGTH

QUANTITY REQUIRED PER DASH NO.				SYN	NOMENCLATURE
					UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-TOLERANCES FRACTIONS DECIMALS ANGLES
					.1 NA .03 .1
					.010
					FINISH
					
					LUX-13343 UH-600
					APPLICATION

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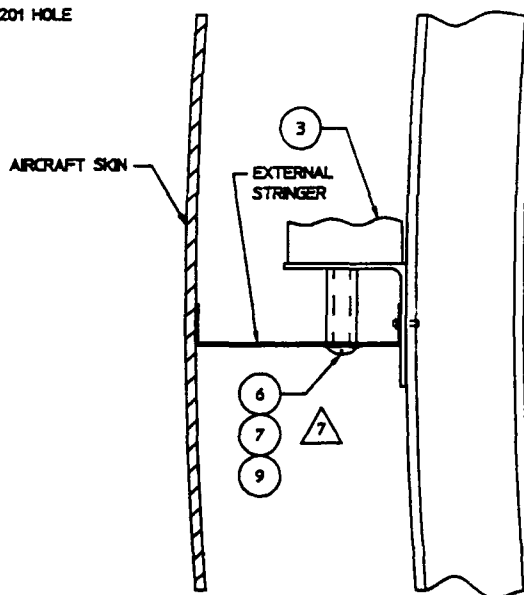
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		REVISION				
		ZONE	REV	DESCRIPTION	DATE	APPROVED
				CAD GENERATED	93-04-16	



CODE DE		BRACKET		LEX-13336-1		MS14284D293 x 5.2		2024-T85H AL ALY 00-A-200/3					
CONTRACT		SYN		NOMENCLATURE		CODE DES		IDENTIFYING NO.		MATERIAL/SPECIFICATION		U/M	
DAV		UNLESS OTHERWISE SPECIFIED		CONTRACT NO.		DAAB07-92-Z-8506		SERV-AIR, INC.		SOP3A			
SLH		DIMENSIONS ARE IN DECIMALS UNLESS OTHERWISE SPECIFIED		92-08-06		92-08-06		A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.					
LM		• NA		93-12-07		93-12-07		BRACKET					
VLD		• .1		93-12-10		93-12-10							
EX-13343		UH-600											
APPLICATION													
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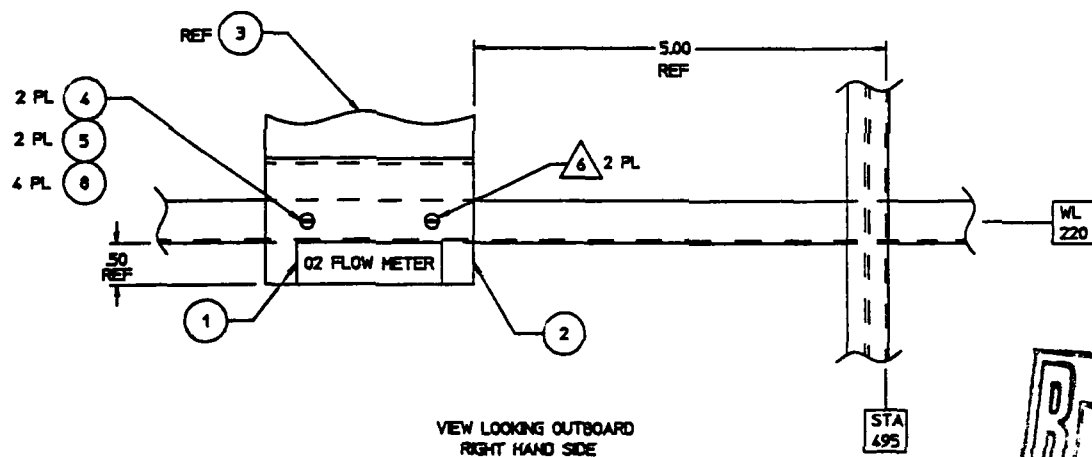
NOTES:

1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
5. INSTALLATION CODE OF FASTENERS PER MIL-STD-1515
6. DRILL (2) ϕ .171 HOLES IN EXISTING STRINGER AFTER LEX-13334 (FIND NO. 2) IS POSITIONED
7. USE FIND NO. 3 AS TEMPLATE TO LOCATE ϕ .201 HOLE THROUGH EXISTING STRINGER



2 PL 4
2 PL 5
4 PL 8

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REF



REF
MAR 1
ON

1	WASHER		AN960KD10L	
4	WASHER		MS5795-007	
1	SPACER		NAS43003-64	
1	SCREW		MS51958-49	
2	SCREW		MS51957-43	
2	NUT		MS21042-08	
1	FLOW METER	8C816	5860E	
1	ANGLE SUPPORT		LEX-13334	
1	DECAL		LEX-13333-2	

QUANTITY REQUIRED PER DASH NO.		SYN	NOMENCLATURE	CODE UNIT	IDENTIFYING NO.	MATERIAL SPECIFICATION
		UNLESS OTHERWISE SPECIFIED STANDARD AIR IS REQUIRED - TOLERANCES ON DIMENSIONS ARE: • NA ± .1 • .03 • .010		CONTRACT NO. DAA807-92-Z-8506		 SERV-AIR A SUBSIDIARY OF
		FRESH		OR S.L.H. 93-05-18 OR L.H. 93-12-07 OR V.L.D. 93-12-10		
LEX-155H UH-600						FLOW INSTA
APPLICATION						
						D 7S976

SERV-AIR
A SUBSIDIARY OF

FLOW
INSTA

D	7S976
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D 7S976 LEX-13337

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NOTES:

1. INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12

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BASIC CODE	NAS
BJ-4530470AD	BETA
	BASH
	—
	C-COUNTY
	BOTH
	CSK 11
	GRND

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(2)

ZONE	REV	RE	DESCRIP
			CAD GENERATED

1	MSOGS UNIT	99251	3261093
53	RVET		MS20470AD
10	WASHER		MS51958-809
10	BOLT		AN4C7A
1	MSOGS ANGLE, FWD		LEX-13342
1	MSOGS ANGLE, AFT		LEX-13341
1	MSOGS PALLET ASSY		LEX-13339
	MSOGS PALLET INSTL		LEX-13338

QUANTITY REQUIRED PER DASH NO		PARTS LIST																									
<table border="1"> <tr> <th>BASIC CODE</th> <th>NAS S23 FASTENER CODE</th> </tr> <tr> <td>BA-MS20470AD</td> <td>INSTALL BRKTS FOR MS1815</td> </tr> <tr> <td>BASIC CODE</td> <td>DASH NO FOR DIA N-MSD HEAD N/S P-MSD HEAD P/S</td> </tr> <tr> <td>Q-COUNTERBORN BOTH ENDS CEN 105" AND END FLUSH</td> <td>DASH NO FOR LENGTH</td> </tr> </table>		BASIC CODE	NAS S23 FASTENER CODE	BA-MS20470AD	INSTALL BRKTS FOR MS1815	BASIC CODE	DASH NO FOR DIA N-MSD HEAD N/S P-MSD HEAD P/S	Q-COUNTERBORN BOTH ENDS CEN 105" AND END FLUSH	DASH NO FOR LENGTH	<table border="1"> <tr> <td colspan="2">UNLESS OTHERWISE SPECIFIED STANDARD AND IS IDENTIFIED BY FIGURE A IN</td> <td colspan="2"> DRAWING NO. DAAB07-92-Z-B506 </td> </tr> <tr> <td colspan="2"></td> <td colspan="2"> BY W.B.H. 83-07-21 CHK L.M. 93-08-08 DATE </td> </tr> <tr> <td colspan="2">LEX-13341</td> <td colspan="2">LEX-800</td> </tr> <tr> <td colspan="2">APPLICATION</td> <td colspan="2"></td> </tr> </table>		UNLESS OTHERWISE SPECIFIED STANDARD AND IS IDENTIFIED BY FIGURE A IN		DRAWING NO. DAAB07-92-Z-B506				BY W.B.H. 83-07-21 CHK L.M. 93-08-08 DATE		LEX-13341		LEX-800		APPLICATION			
BASIC CODE	NAS S23 FASTENER CODE																										
BA-MS20470AD	INSTALL BRKTS FOR MS1815																										
BASIC CODE	DASH NO FOR DIA N-MSD HEAD N/S P-MSD HEAD P/S																										
Q-COUNTERBORN BOTH ENDS CEN 105" AND END FLUSH	DASH NO FOR LENGTH																										
UNLESS OTHERWISE SPECIFIED STANDARD AND IS IDENTIFIED BY FIGURE A IN		DRAWING NO. DAAB07-92-Z-B506																									
		BY W.B.H. 83-07-21 CHK L.M. 93-08-08 DATE																									
LEX-13341		LEX-800																									
APPLICATION																											

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DASH
N-MSD
P-MSDDASH
LENGTH

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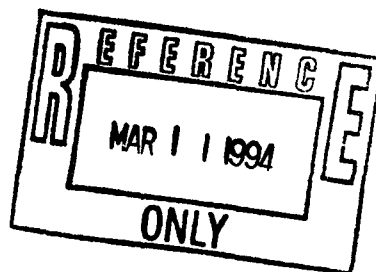
REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-07-21	

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D

C



B

1	MSOGS UNIT	99251	3261093		EA	7
53	RVET		MS2047DAD		EA	6
10	WASHER		MS51958-809		EA	5
10	BOLT		AN4C7A		EA	4
1	MSOGS ANGLE, FWD		LEX-13342		EA	3
1	MSOGS ANGLE, AFT		LEX-13341		EA	2
1	MSOGS PALLET ASSY		LEX-13339		EA	1
X	MSOGS PALLET INSTL		LEX-13338			

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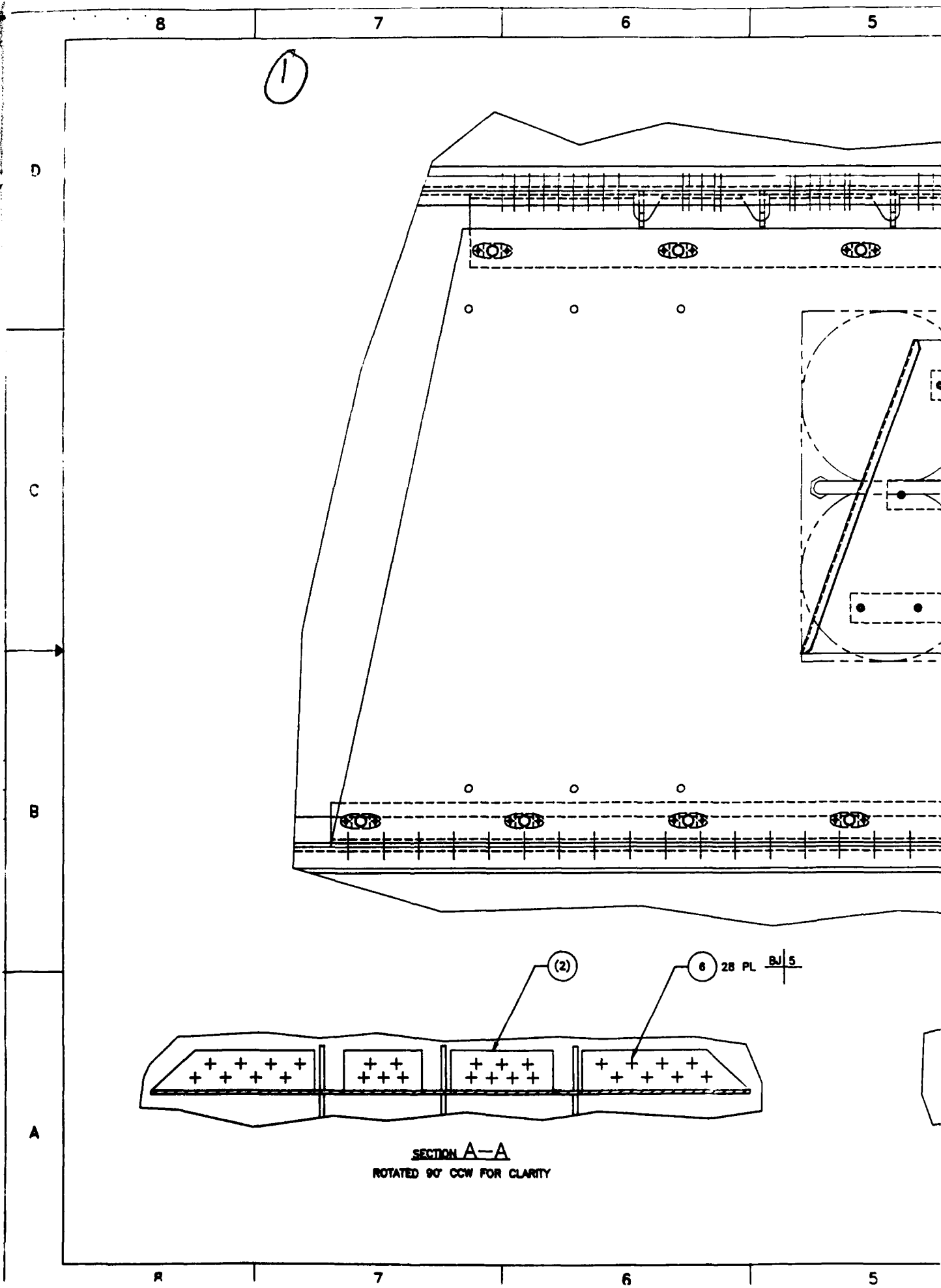
PARTS LIST		SERV-AIR, INC. S.O.F.S.A. A SUBSIDIARY OF E-SYSTEMS, INC. LBAO LEX, KY.	
DAAB07-92-Z-B506		MSOGS UNIT AND PALLET INSTALLATION	
W.B.H. 93-07-21 L.M. 93-08-08		D 7S976 LEX-13338	
1/2		1 2	

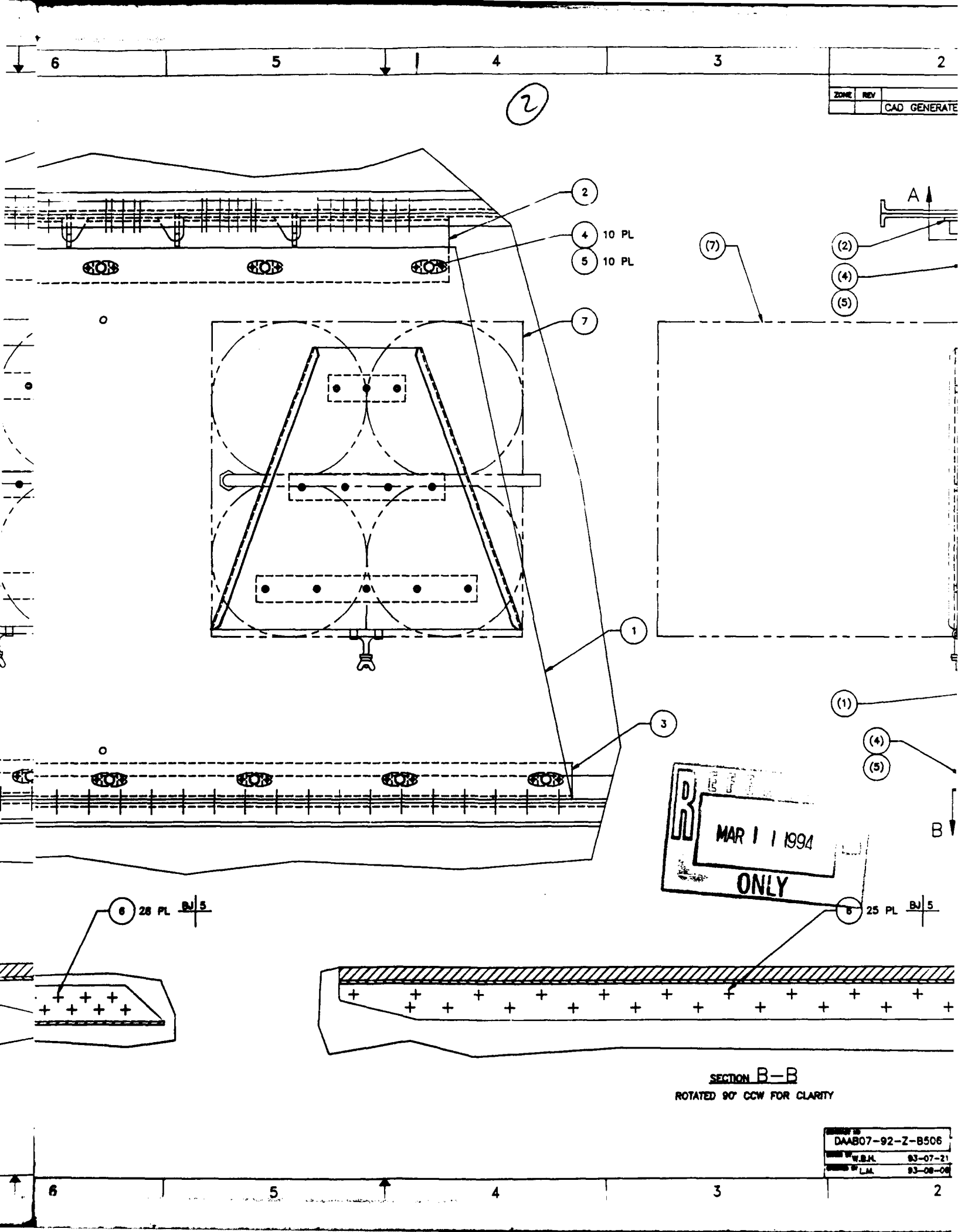
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ZONE	REV	CAD GENERATE

DAAB07-92-Z-B506
W.B.H. 93-07-21
L.M. 93-08-06

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-07-21	

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4 10 PL

5 10 PL

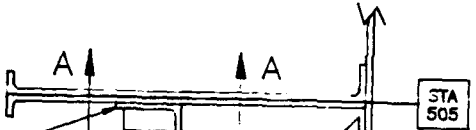
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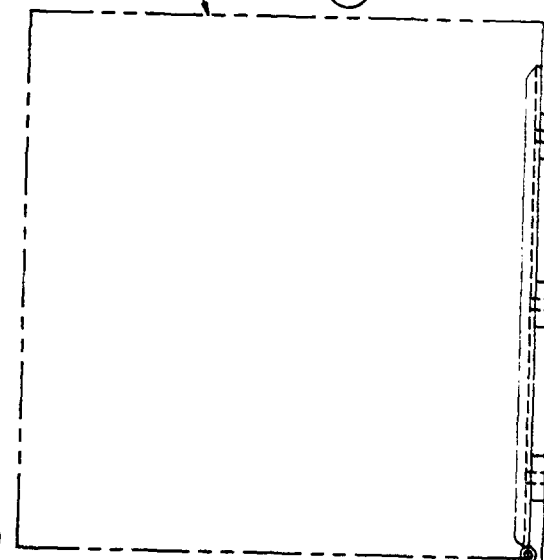


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REFERENCE
MAR 11 1994
ONLY

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(3)

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B

STA 485

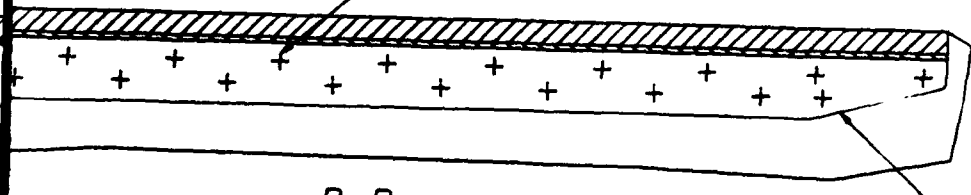
WL 200

25 PL BU 5

B

A

SECTION B-B
ROTATED 90° CCW FOR CLARITY



(3)

DAAB07-92-Z-B508	75976	LEX-13338
W.S.M. 93-07-21	1/2	2 of 2
L.M. 93-08-08		

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NOTES:

- 1: INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12

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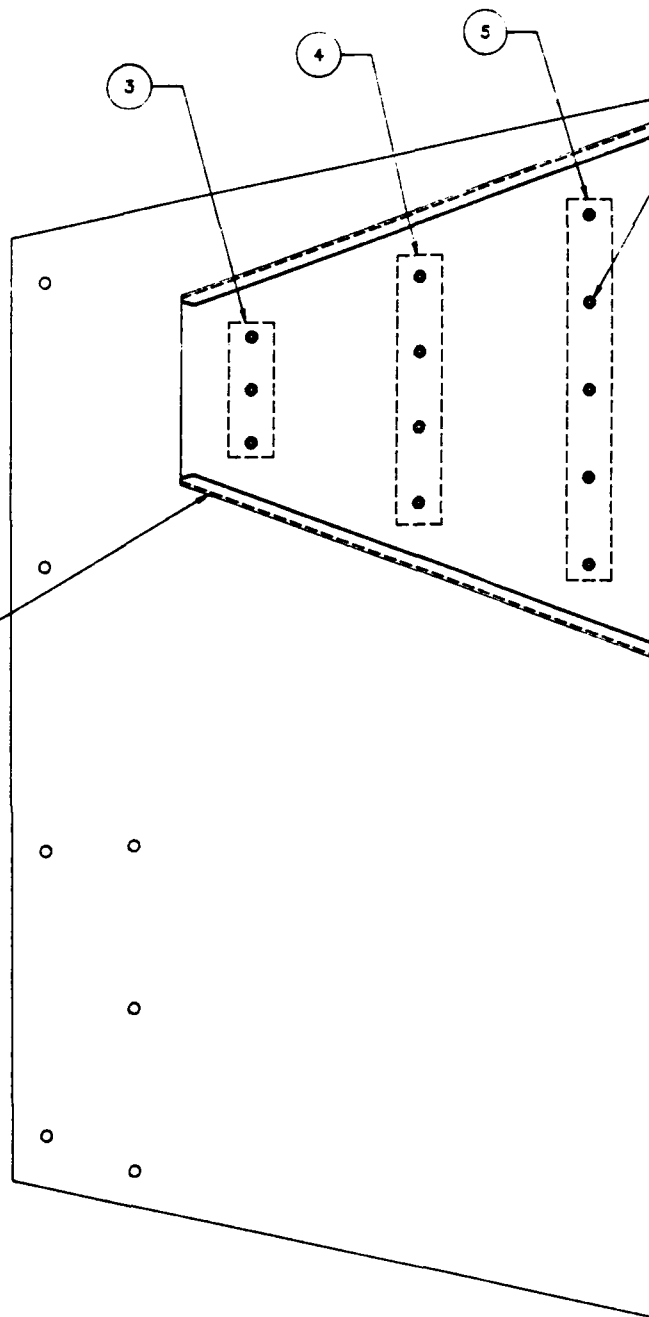
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ZONE	REV
	10

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12	SCREW		NASS
1	BAR		LEX-
1	BAR		LEX-
1	BAR		LEX-
1	MOUNTING BRACKET		LEX-
1	PALLET		LEX-
	MSOGS PALLET ASSY		LEX-

QUANTITY REQUIRED PER DASH NO				SYM	HOMOLOGATION	CODE IDENT	B
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-PARENTHESES ON DRAWING FINISHES 2 IN. 2 1/2 1 1/2 1 1/4 1 1/8 1 1/2 2 1/2 2 1/4 2 1/8 2 1/4 2 1/8 2 1/4				DASH NO. DAAB07-92-2			
				DESIGNED BY W.B.H.			
				CHECKED BY L.M.			
				DATE 1992			
LEX-13338 UH-600 NEW AIRCRAFT USED ON				APPLICATION			

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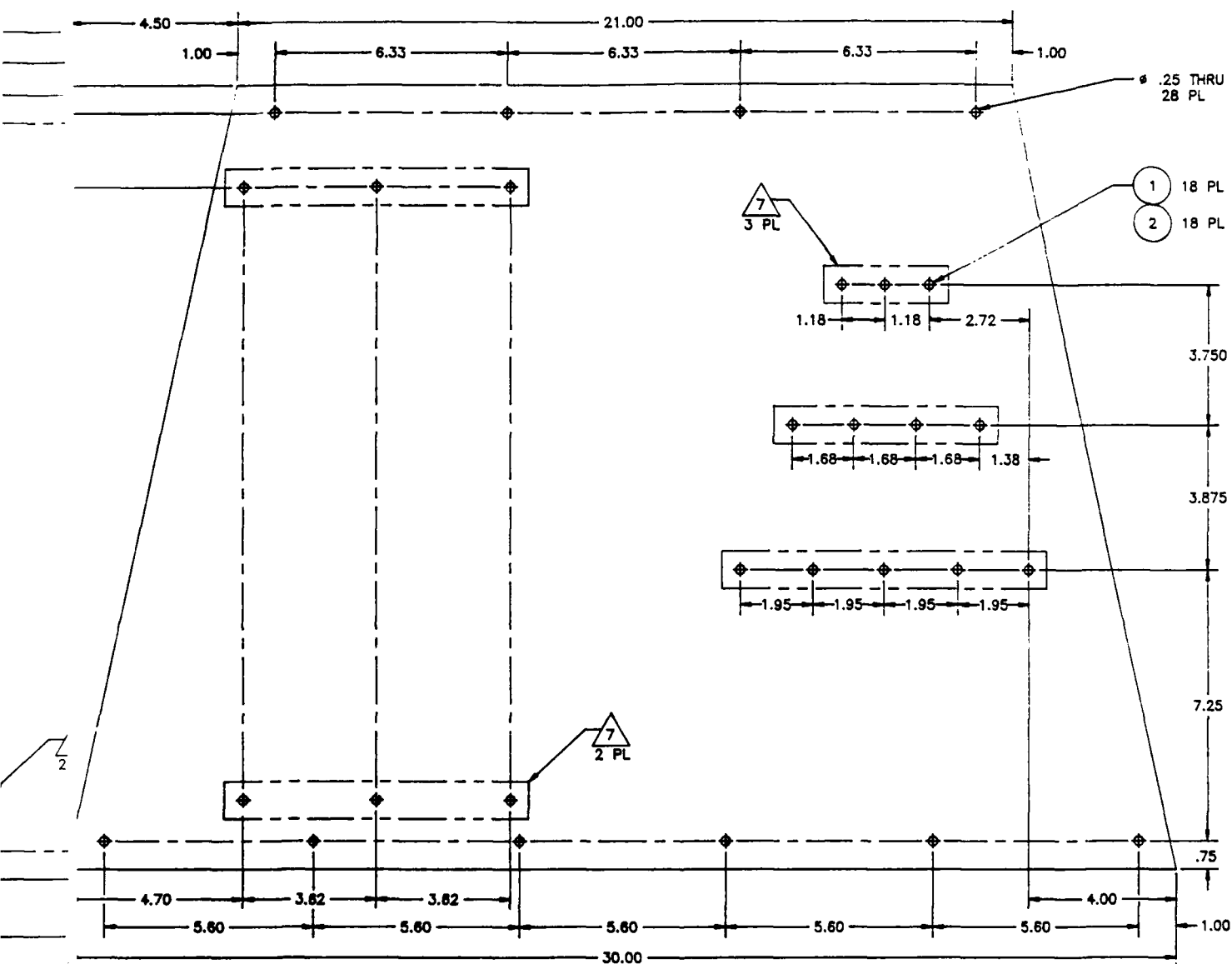
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REVISIONS					
ZONE	REV	DESCRIPTION		DATE	APPROVED
		CAD GENERATED		93-07-20	

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REFERENCE
MAR 11 1994
ONLY

12	SCREW	NAS517-3-7	EA	6
1	BAR	LEX-13343-3	EA	5
1	BAR	LEX-13343-2	EA	4
1	BAR	LEX-13343-1	EA	3
1	MOUNTING BRACKET	LEX-13344	EA	2
1	PALLET	LEX-13340	EA	1
☒	MSOGS PALLET ASSY	LEX-13339		

PARTS LIST		SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEMS, INC. LBAO LEX, KY.	
DAAB07-92-Z-B508		S.O.F.S.A.	
W.B.M. 93-07-20		MSOGS PALLET ASSY	
L.M. 93-08-08			
D 7S976		LEX-13339	
1/2		1 of 1	



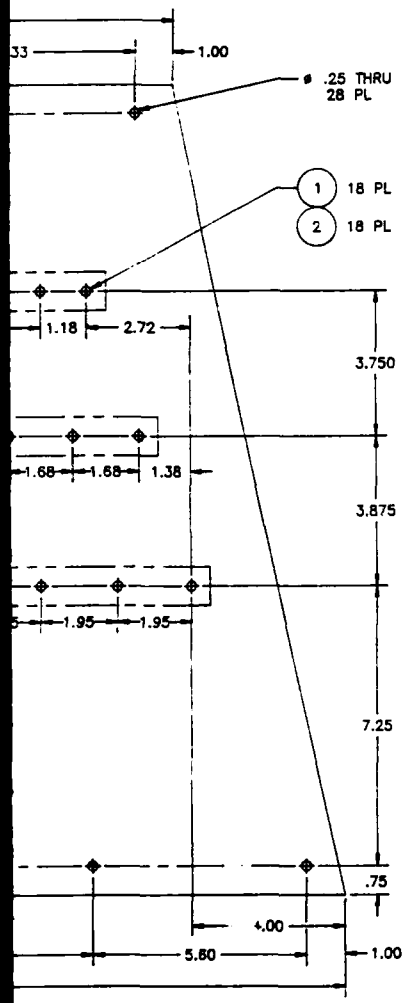
AR	ADHESIVE	33564	EA934
18	INSERT		NAS1833-3-50
☒	PALLET		LEX-11340
SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.
QUANTITY REQUIRED PER DASH NO			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS FRACTIONS 2 1/8 2 1/4 2 3/8 2 1/2 2 5/8 2 3/4 2 7/8 3 1/8 3 1/4 3 3/8 3 1/2 3 5/8 3 3/4 3 7/8 4 1/8 4 1/4 4 3/8 4 1/2 4 5/8 4 3/4 4 7/8 5 1/8 5 1/4 5 3/8 5 1/2 5 5/8 5 3/4 5 7/8 6 1/8 6 1/4 6 3/8 6 1/2 6 5/8 6 3/4 6 7/8 7 1/8 7 1/4 7 3/8 7 1/2 7 5/8 7 3/4 7 7/8 8 1/8 8 1/4 8 3/8 8 1/2 8 5/8 8 3/4 8 7/8 9 1/8 9 1/4 9 3/8 9 1/2 9 5/8 9 3/4 9 7/8 10 1/8 10 1/4 10 3/8 10 1/2 10 5/8 10 3/4 10 7/8 11 1/8 11 1/4 11 3/8 11 1/2 11 5/8 11 3/4 11 7/8 12 1/8 12 1/4 12 3/8 12 1/2 12 5/8 12 3/4 12 7/8 13 1/8 13 1/4 13 3/8 13 1/2 13 5/8 13 3/4 13 7/8 14 1/8 14 1/4 14 3/8 14 1/2 14 5/8 14 3/4 14 7/8 15 1/8 15 1/4 15 3/8 15 1/2 15 5/8 15 3/4 15 7/8 16 1/8 16 1/4 16 3/8 16 1/2 16 5/8 16 3/4 16 7/8 17 1/8 17 1/4 17 3/8 17 1/2 17 5/8 17 3/4 17 7/8 18 1/8 18 1/4 18 3/8 18 1/2 18 5/8 18 3/4 18 7/8 19 1/8 19 1/4 19 3/8 19 1/2 19 5/8 19 3/4 19 7/8 20 1/8 20 1/4 20 3/8 20 1/2 20 5/8 20 3/4 20 7/8 21 1/8 21 1/4 21 3/8 21 1/2 21 5/8 21 3/4 21 7/8 22 1/8 22 1/4 22 3/8 22 1/2 22 5/8 22 3/4 22 7/8 23 1/8 23 1/4 23 3/8 23 1/2 23 5/8 23 3/4 23 7/8 24 1/8 24 1/4 24 3/8 24 1/2 24 5/8 24 3/4 24 7/8 25 1/8 25 1/4 25 3/8 25 1/2 25 5/8 25 3/4 25 7/8 26 1/8 26 1/4 26 3/8 26 1/2 26 5/8 26 3/4 26 7/8 27 1/8 27 1/4 27 3/8 27 1/2 27 5/8 27 3/4 27 7/8 28 1/8 28 1/4 28 3/8 28 1/2 28 5/8 28 3/4 28 7/8 29 1/8 29 1/4 29 3/8 29 1/2 29 5/8 29 3/4 29 7/8 30 1/8 30 1/4 30 3/8 30 1/2 30 5/8 30 3/4 30 7/8 31 1/8 31 1/4 31 3/8 31 1/2 31 5/8 31 3/4 31 7/8 32 1/8 32 1/4 32 3/8 32 1/2 32 5/8 32 3/4 32 7/8 33 1/8 33 1/4 33 3/8 33 1/2 33 5/8 33 3/4 33 7/8 34 1/8 34 1/4 34 3/8 34 1/2 34 5/8 34 3/4 34 7/8 35 1/8 35 1/4 35 3/8 35 1/2 35 5/8 35 3/4 35 7/8 36 1/8 36 1/4 36 3/8 36 1/2 36 5/8 36 3/4 36 7/8 37 1/8 37 1/4 37 3/8 37 1/2 37 5/8 37 3/4 37 7/8 38 1/8 38 1/4 38 3/8 38 1/2 38 5/8 38 3/4 38 7/8 39 1/8 39 1/4 39 3/8 39 1/2 39 5/8 39 3/4 39 7/8 40 1/8 40 1/4 40 3/8 40 1/2 40 5/8 40 3/4 40 7/8 41 1/8 41 1/4 41 3/8 41 1/2 41 5/8 41 3/4 41 7/8 42 1/8 42 1/4 42 3/8 42 1/2 42 5/8 42 3/4 42 7/8 43 1/8 43 1/4 43 3/8 43 1/2 43 5/8 43 3/4 43 7/8 44 1/8 44 1/4 44 3/8 44 1/2 44 5/8 44 3/4 44 7/8 45 1/8 45 1/4 45 3/8 45 1/2 45 5/8 45 3/4 45 7/8 46 1/8 46 1/4 46 3/8 46 1/2 46 5/8 46 3/4 46 7/8 47 1/8 47 1/4 47 3/8 47 1/2 47 5/8 47 3/4 47 7/8 48 1/8 48 1/4 48 3/8 48 1/2 48 5/8 48 3/4 48 7/8 49 1/8 49 1/4 49 3/8 49 1/2 49 5/8 49 3/4 49 7/8 50 1/8 50 1/4 50 3/8 50 1/2 50 5/8 50 3/4 50 7/8 51 1/8 51 1/4 51 3/8 51 1/2 51 5/8 51 3/4 51 7/8 52 1/8 52 1/4 52 3/8 52 1/2 52 5/8 52 3/4 52 7/8 53 1/8 53 1/4 53 3/8 53 1/2 53 5/8 53 3/4 53 7/8 54 1/8 54 1/4 54 3/8 54 1/2 54 5/8 54 3/4 54 7/8 55 1/8 55 1/4 55 3/8 55 1/2 55 5/8 55 3/4 55 7/8 56 1/8 56 1/4 56 3/8 56 1/2 56 5/8 56 3/4 56 7/8 57 1/8 57 1/4 57 3/8 57 1/2 57 5/8 57 3/4 57 7/8 58 1/8 58 1/4 58 3/8 58 1/2 58 5/8 58 3/4 58 7/8 59 1/8 59 1/4 59 3/8 59 1/2 59 5/8 59 3/4 59 7/8 60 1/8 60 1/4 60 3/8 60 1/2 60 5/8 60 3/4 60 7/8 61 1/8 61 1/4 61 3/8 61 1/2 61 5/8 61 3/4 61 7/8 62 1/8 62 1/4 62 3/8 62 1/2 62 5/8 62 3/4 62 7/8 63 1/8 63 1/4 63 3/8 63 1/2 63 5/8 63 3/4 63 7/8 64 1/8 64 1/4 64 3/8 64 1/2 64 5/8 64 3/4 64 7/8 65 1/8 65 1/4 65 3/8 65 1/2 65 5/8 65 3/4 65 7/8 66 1/8 66 1/4 66 3/8 66 1/2 66 5/8 66 3/4 66 7/8 67 1/8 67 1/4 67 3/8 67 1/2 67 5/8 67 3/4 67 7/8 68 1/8 68 1/4 68 3/8 68 1/2 68 5/8 68 3/4 68 7/8 69 1/8 69 1/4 69 3/8 69 1/2 69 5/8 69 3/4 69 7/8 70 1/8 70 1/4 70 3/8 70 1/2 70 5/8 70 3/4 70 7/8 71 1/8 71 1/4 71 3/8 71 1/2 71 5/8 71 3/4 71 7/8 72 1/8 72 1/4 72 3/8 72 1/2 72 5/8 72 3/4 72 7/8 73 1/8 73 1/4 73 3/8 73 1/2 73 5/8 73 3/4 73 7/8 74 1/8 74 1/4 74 3/8 74 1/2 74 5/8 74 3/4 74 7/8 75 1/8 75 1/4 75 3/8 75 1/2 75 5/8 75 3/4 75 7/8 76 1/8 76 1/4 76 3/8 76 1/2 76 5/8 76 3/4 76 7/8 77 1/8 77 1/4 77 3/8 77 1/2 77 5/8 77 3/4 77 7/8 78 1/8 78 1/4 78 3/8 78 1/2 78 5/8 78 3/4 78 7/8 79 1/8 79 1/4 79 3/8 79 1/2 79 5/8 79 3/4 79 7/8 80 1/8 80 1/4 80 3/8 80 1/2 80 5/8 80 3/4 80 7/8 81 1/8 81 1/4 81 3/8 81 1/2 81 5/8 81 3/4 81 7/8 82 1/8 82 1/4 82 3/8 82 1/2 82 5/8 82 3/4 82 7/8 83 1/8 83 1/4 83 3/8 83 1/2 83 5/8 83 3/4 83 7/8 84 1/8 84 1/4 84 3/8 84 1/2 84 5/8 84 3/4 84 7/8 85 1/8 85 1/4 85 3/8 85 1/2 85 5/8 85 3/4 85 7/8 86 1/8 86 1/4 86 3/8 86 1/2 86 5/8 86 3/4 86 7/8 87 1/8 87 1/4 87 3/8 87 1/2 87 5/8 87 3/4 87 7/8 88 1/8 88 1/4 88 3/8 88 1/2 88 5/8 88 3/4 88 7/8 89 1/8 89 1/4 89 3/8 89 1/2 89 5/8 89 3/4 89 7/8 90 1/8 90 1/4 90 3/8 90 1/2 90 5/8 90 3/4 90 7/8 91 1/8 91 1/4 91 3/8 91 1/2 91 5/8 91 3/4 91 7/8 92 1/8 92 1/4 92 3/8 92 1/2 92 5/8 92 3/4 92 7/8 93 1/8 93 1/4 93 3/8 93 1/2 93 5/8 93 3/4 93 7/8 94 1/8 94 1/4 94 3/8 94 1/2 94 5/8 94 3/4 94 7/8 95 1/8 95 1/4 95 3/8 95 1/2 95 5/8 95 3/4 95 7/8 96 1/8 96 1/4 96 3/8 96 1/2 96 5/8 96 3/4 96 7/8 97 1/8 97 1/4 97 3/8 97 1/2 97 5/8 97 3/4 97 7/8 98 1/8 98 1/4 98 3/8 98 1/2 98 5/8 98 3/4 98 7/8 99 1/8 99 1/4 99 3/8 99 1/2 99 5/8 99 3/4 99 7/8 100 1/8 100 1/4 100 3/8 100 1/2 100 5/8 100 3/4 100 7/8			
LEX-13339		LEX-800	
APPLICATION		P	

DAAB07-92-Z-B506	W.B.M.	93-06-28
	L.M.	93-06-06

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REVISIONS			
ZONE	REV	DESCRIPTION	DATE
		CAD GENERATED	93-06-28

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REFERENCE
MAR 11 1994
ONLY

AR	ADHESIVE	33584	EA834		EA	2
18	INSERT		NAS1833-3-500		EA	1
X	PALLET		LEX-11340	.50x21.25x30.25 HONEYCOMB P/N 810-11233-500		

PER DASH NO	PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS FRACTIONS ARE IN INCHES-DECIMALS TOLERANCES ARE: FRACTIONS DECIMALS .0005 .0005 .0005 .001 .001 .001 .002 .002 .002 .005 .005 .005 .010 .010 .010 .015 .015 .015 .020 .020 .020 .030 .030 .030 .040 .040 .040 .050 .050 .050 .060 .060 .060 .070 .070 .070 .080 .080 .080 .090 .090 .090 .100 .100 .100 .125 .125 .125 .150 .150 .150 .175 .175 .175 .200 .200 .200 .250 .250 .250 .300 .300 .300 .375 .375 .375 .500 .500 .500 .750 .750 .750 1.000 1.000 1.000	DRAWING NO. DAAB07-92-Z-B506 DESIGNED BY W.B.H. 93-06-28 CHECKED BY L.M. 93-06-06 DATE PART NO. D 7S976 QUANTITY 1/2	S.O.F.S.A. SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEMS, INC. LBAD LEX, KY. PART NO. LEX-13340 QUANTITY 1

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NOTES:

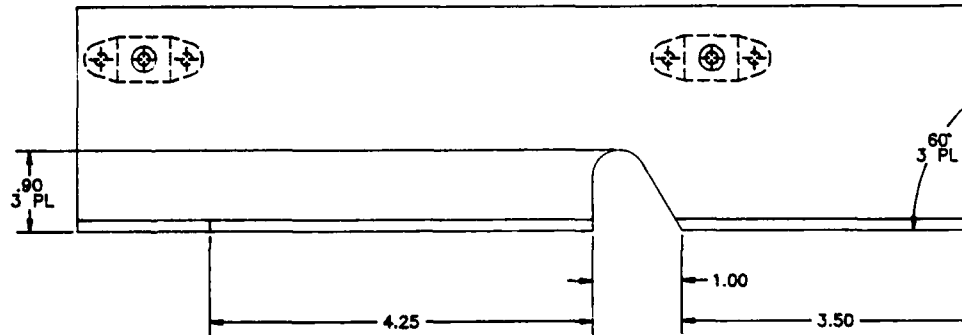
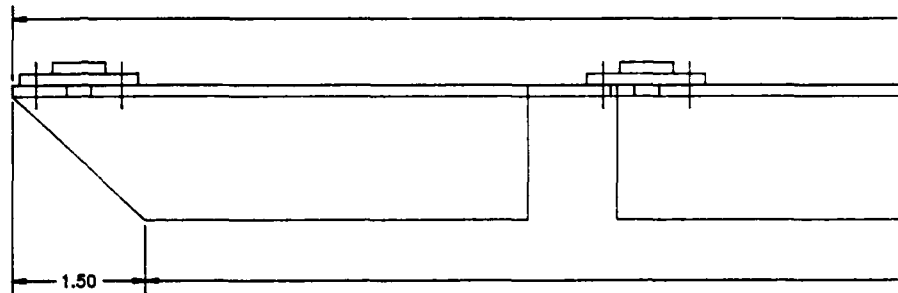
1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
6. CHEMICAL CONVERSION COAT PER MIL-C-5541, CLASS 1A EPOXY POLYAMIDE PRIME PER MIL-P-23377 TYPE 1 OR TT-P-1757, 2 COATS
7. LOCATE ITEM 1 NUTPLATES BY USING LEX-13340 PALLET AS TEMPLATE

D

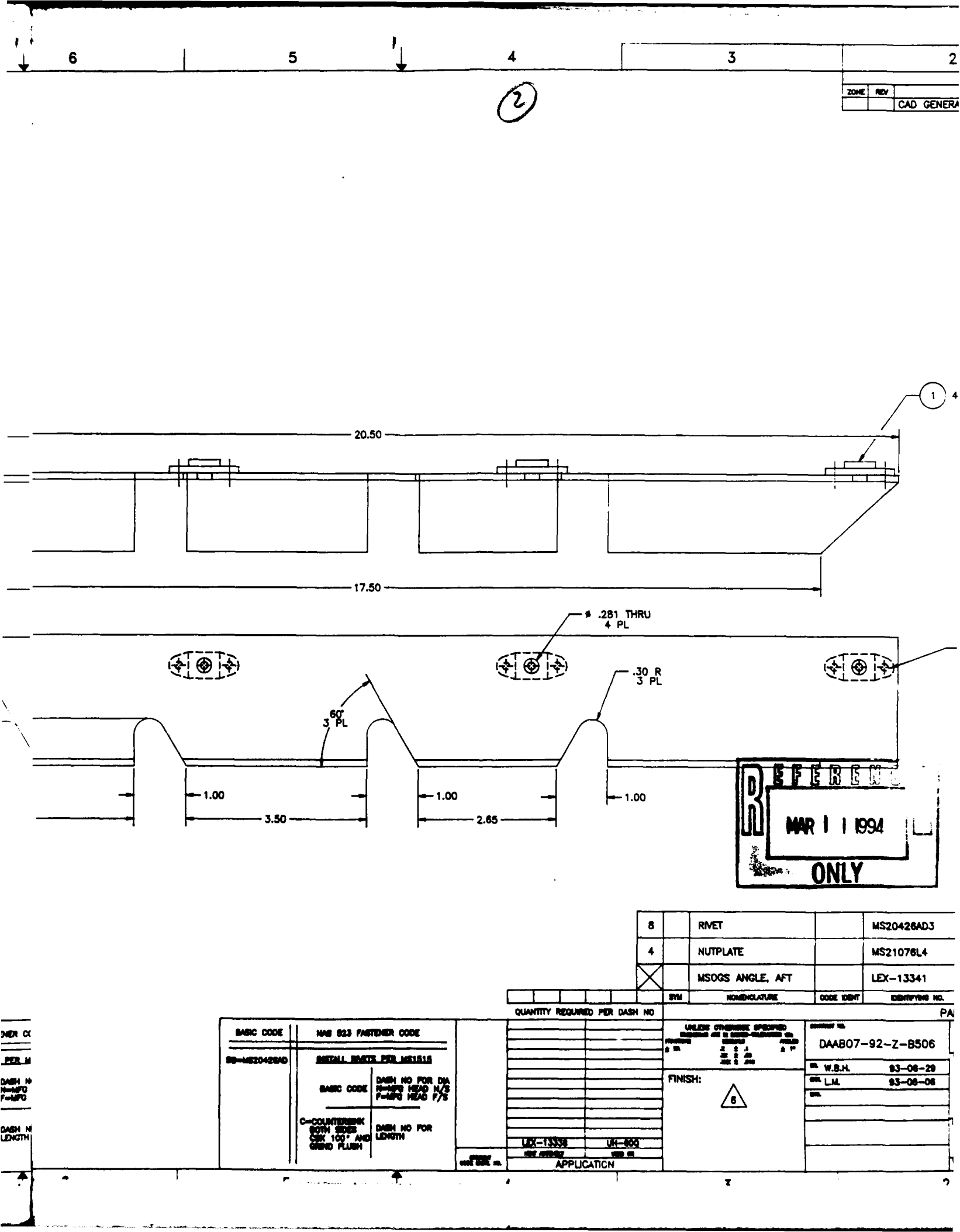
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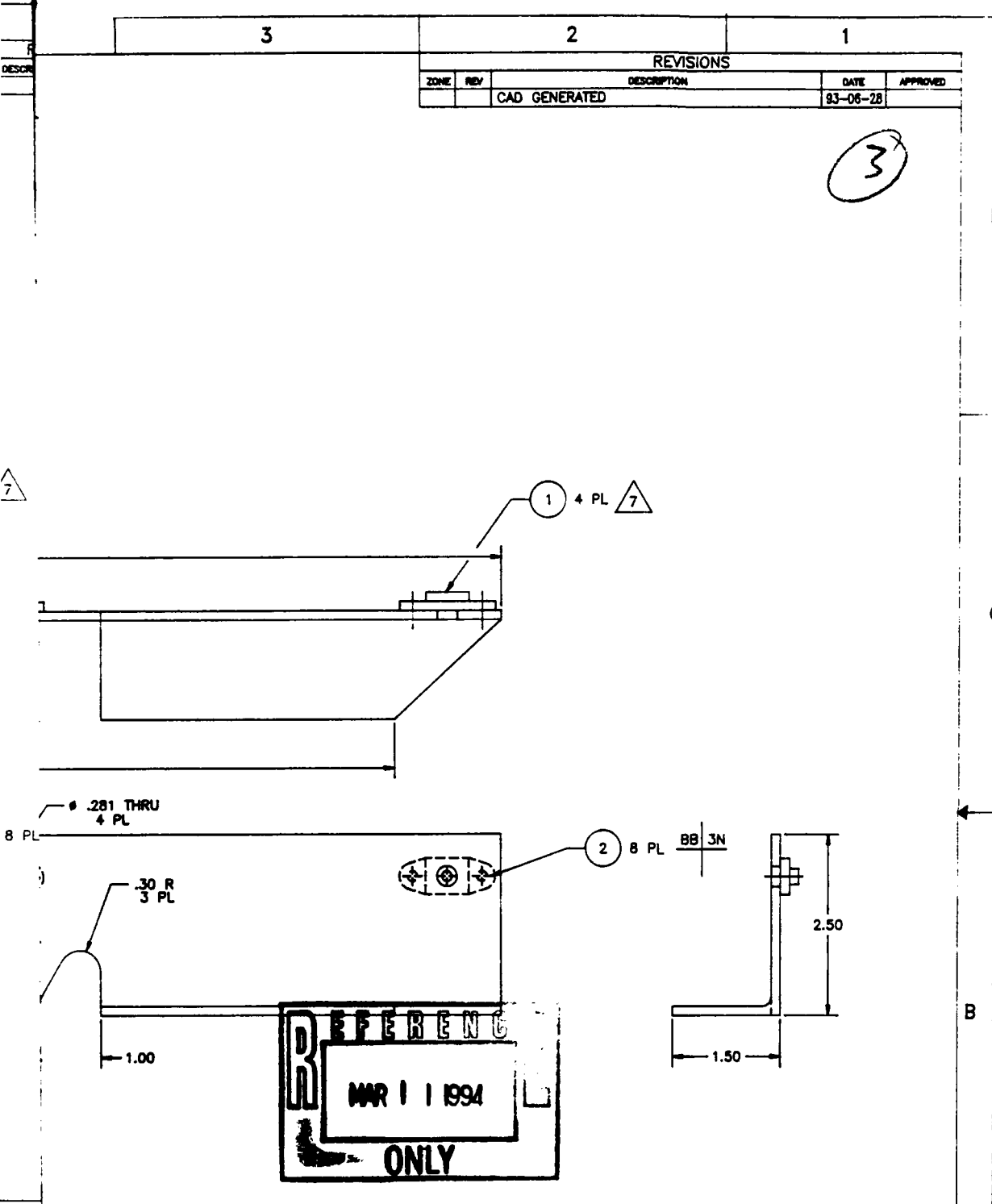
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BASIC CODE	NAS 921
BB-MS20428AD	INSTALL
	BASIC (
	C-COUNTER
	BOTH SID
	CSK 100'
	GRND FL





8	RIVET		MS20426AD3		EA	2
4	NUTPLATE		MS21076L4		EA	1
☒	MSOGS ANGLE, AFT		LEX-13341	60-14935 X 20.70 LONG 7075-T6511 AL ALY QQ-A-200/11		

60-14935
7075-T6511

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QUANT PER DASH NO		PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS FINISH:		DAAB07-92-Z-8506 W.B.H. 83-06-29 L.M. 83-06-06 MSOGS ANGLE, AFT D 7S976 LEX-13341	
U/I PPLICATION		1/1	

SERV-AIR, INC. S.O.F.S.A.
A SUBSIDIARY OF E-SYSTEMS, INC. LBAD LEX, KY.

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NOTES:

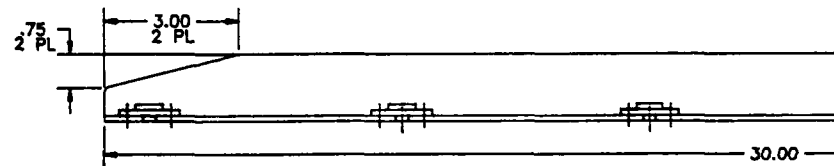
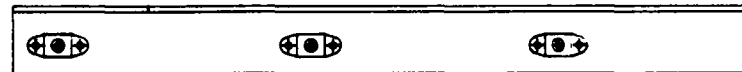
- 1: INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
6.  CHEMICAL CONVERSION COAT PER MIL-C-5541, CLASS 1A EPOXY POLYAMIDE PRIME PER MIL-P-23377 TYPE 1 OR TT-P-1757, 2 COATS
7.  TO LOCATE ITEM 1 NUTPLATES USE LEX-13340 PALLET AS TEMPLATE

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C

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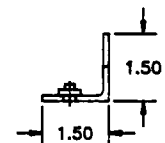
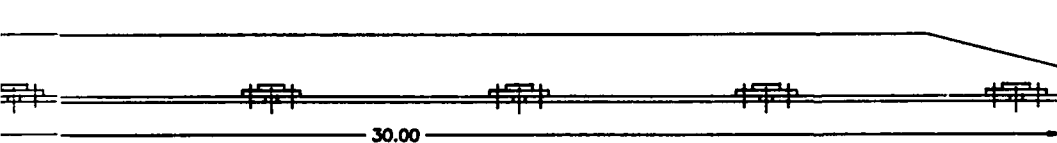
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88-MS20428AD	INSTAL
	BASIC
	C-COUNTS BOTH S CSK 10 GRND 1

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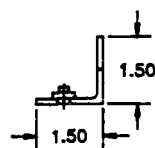
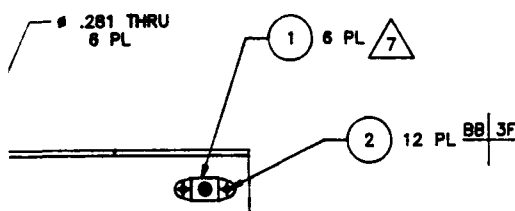


SYN		NOMENCLATURE		CODE IDENT	IDENTIFYING NO.	LOG
QUANTITY REQUIRED PER DASH NO					PARTS LIST	

[illegible]REF
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-06-29	

3



REFERENCE
MAR 1 1994
ONLY

12		RIVET		MS20428AD3		EA		2
6		NUTPLATE		MS21078L4		EA		1
X		MSOGS ANGLE		LEX-13342	AND10133-1403 X 30.2 LONG 7075-T6S11 AL ALY QQ-A-200/11			
	QTY	DESCRIPTION	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE	QTY

PARTS LIST

REQUIRED PER DASH NO	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS FRACTIONS ARE IN INCHES-DECIMALS FRACTIONS ARE IN INCHES-DECIMALS	DAAB07-92-Z-B506	SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.
FINISH:	W.B.H. 93-08-29 L.M. 93-08-08	MSOGS ANGLE, FWD	
APPLICATION	D 7S976	LEX-13342	
	1/1	1 of 1	

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- 1: INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. CHEMICAL CONVERSION COAT PER MIL-C-5541,
CLASS 1A EPOXY POLYAMIDE PRIME PER
MIL-P-23377 TYPE 1 OR TT-P-1757, 2 COATS

	A
-1	8.50
-2	6.00
-3	3.00

				BAR
				BAR
				BAR

			-3	-2	-1	SYM	NOMENCLATURE
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QUANTITY REQUIRED PER DASH NO.		
CURRENT CODE IDENT. NO.	LEX-13339	UH-60Q
	NEW ASSEMBLY USED ON	

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN DECIMAL-INCHES OR
FRACTIONS DECIMALS MILLIMETERS

± .005	± .01	± .1	± .125	± .156
.005	.01	.1	.125	.156
.005	.01	.1	.125	.156

FINISH:



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REVISIONS

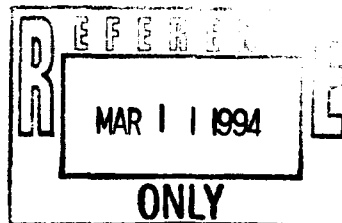
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-07-20	

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1.00

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B

LEX-13343

BAR

LEX-13343-3

.313x1.2x3.2 6061-T6
AL ALY QQ-A-250/11

BAR

LEX-13343-2

.313x1.2x6.2 6061-T6
AL ALY QQ-A-250/11

BAR

LEX-13343-1

.313x1.2x8.7 6061-T6
AL ALY QQ-A-250/11

-C	-1	SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE	POP
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PARTS LIST

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES-DECIMALS OR
FRACTIONS

FINISH:

CONTRACT NO.
DAAB07-92-Z-B506

SERV-AIR, INC. S.O.F.S.A.
A SUBSIDIARY OF E-SYSTEMS, INC. LBAD LEX, KY.

BY W.B.H. 93-07-20
BY L.M. 93-08-06

BAR

C 7S976 LEX-13343

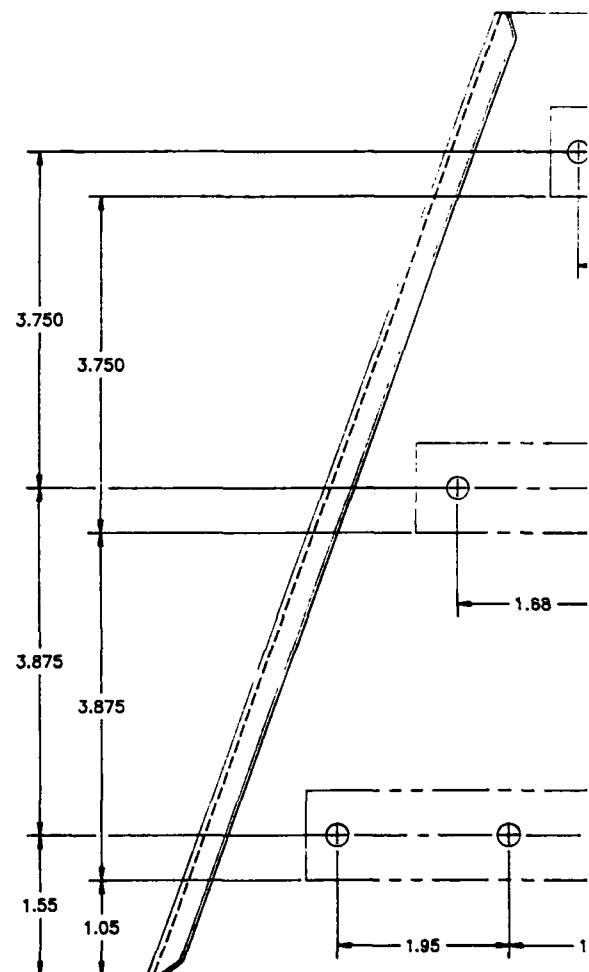
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NOTES:

- 1: INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. LOCATE LEX-13343-1, -2, & -3 AS SHOWN
& MATCH DRILL

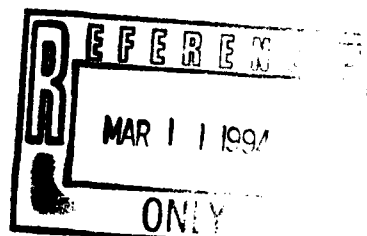
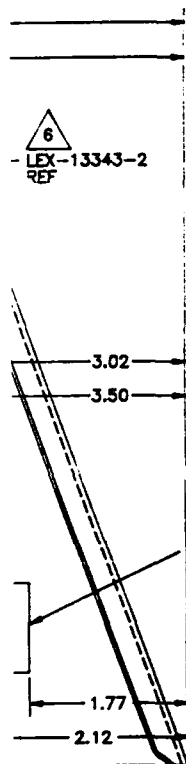


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REVISIONS			
ZONE	REV	DESCRIPTION	DATE
		CAD GENERATED	93-07-20
			APPROVED

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.25 THRU
12 PL

-13343-3



☒		MSOGS MOUNTING BRACKET	LEX-13344	MS90341							
DESCRIPTION	QTY	MANUFACTURE	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE				
PARTS LIST											
SERV-AIR, INC.		DAAB07-92-Z-B506		S.O.F.S.A.							
A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.		MR. W.B.H. 93-07-20		MSOGS MOUNTING BRACKET							
		MR. L.M. 93-08-06									
LEX-13344		D 7S976		LEX-13344							
		1/1		1 of 1							

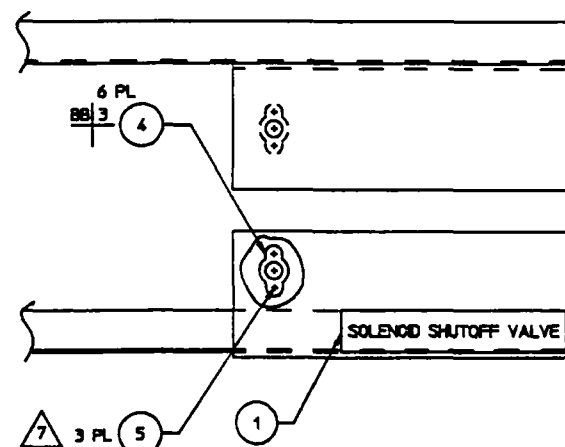
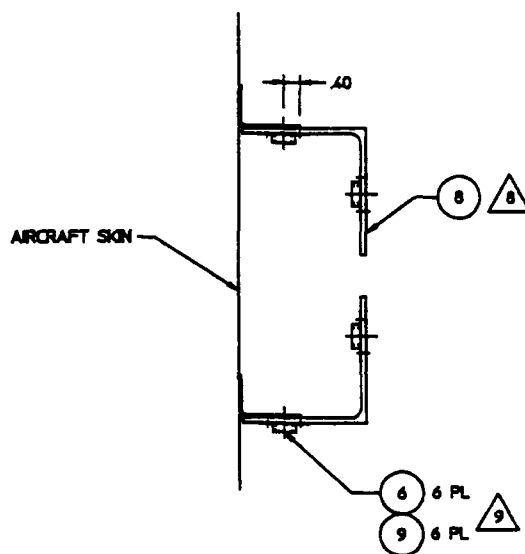
NOTES:

1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
5. IDENTIFICATION CODE OF FASTENERS PER NAS 523
6. INSTALLATION OF FASTENERS PER MIL-STD-1515

7. LOCATE FWD NUMBER 4, 3 PL. AS SHOWN USING SOLENOID SHUTOFF VALVE AS TEMPLATE TO LOCATE HOLES

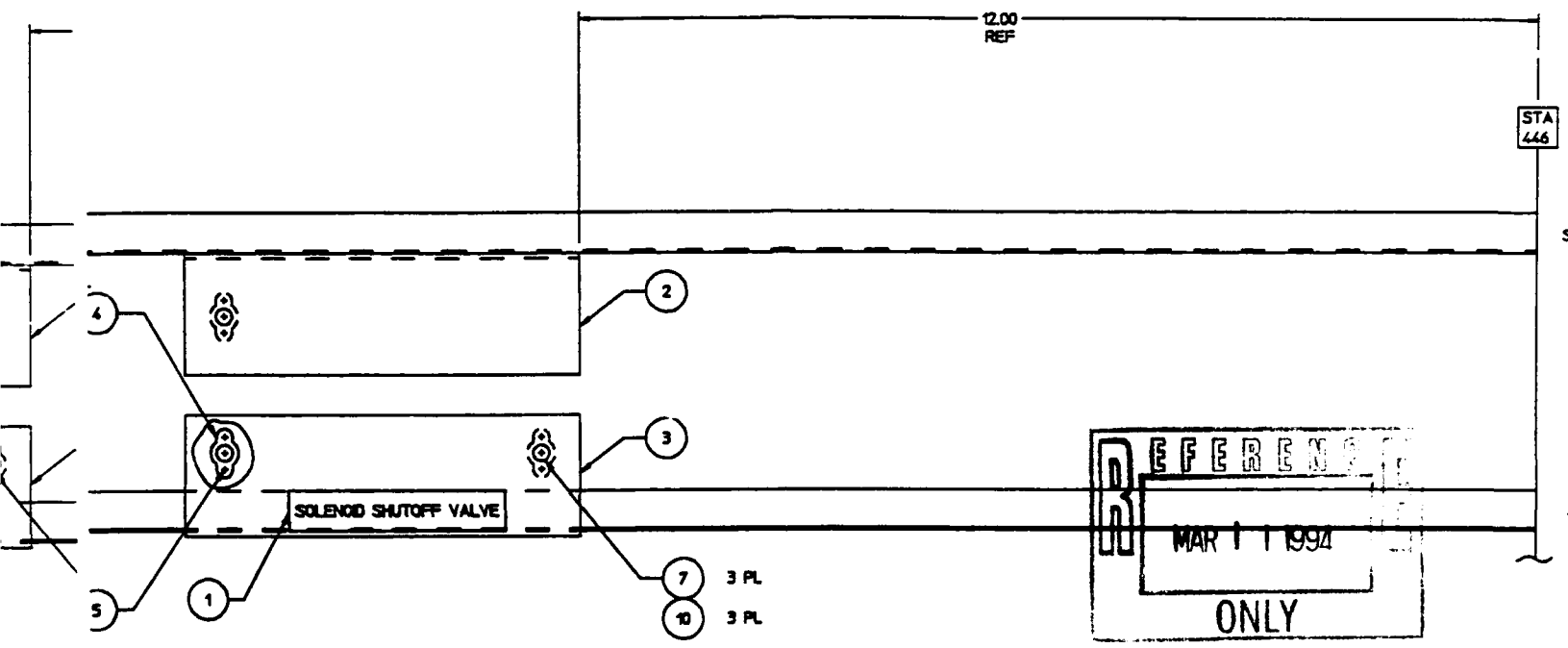
8. SHUT OFF VALVE NOT SHOWN FOR CLARITY

9. USE LEX-13335 AND LEX-13336 BRACKETS FOR TEMPLATES FOR ϕ .156 HOLES



FWD
VIEW LOOKING OUT
LEFT HAND SIDE

2



FWD
VIEW LOOKING OUTBOARD
LEFT HAND SIDE

3	WASHER		MS5795-808	
6	WASHER		MS5795-800	
1	SHUTOFF VALVE	96124	520100-2	
3	SCREW		MS51958-44	
6	SCREW		MS51957-30	
4	RIVET		MS20426AD3	
3	NUTPLATE		MS21075L3	
1	BRACKET		LEX-03336	
1	BRACKET		LEX-03335	
1	DECAL		LEX-03333-3	

QUANTITY REQUIRED PER DASH NO.	SYN	NOMENCLATURE	QTY REQ	IDENTIFYING NO.	MATERIAL/SPEC
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR MILLIMETERS		CONTRACT NO. DAA807-92-Z-8506	SERV-AIR A SUBSIDIARY OF SOLENOID VALVE II
		FINISH		SLH 93-05-18 LH 93-12-07 VLD 93-12-10	
		LEX-03321	UH-600		
		APPLICATION			

D 7S976

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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-05-18	

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STRINGER 14

STRINGER 15

REFERENCE
MAR 11 1994
ONLY

3	WASHER		MS5795-808		EA	10
6	WASHER		MS5795-800		EA	9
1	SHUTOFF VALVE	94124	520100-2		EA	8
3	SCREW		MS51958-64		EA	7
6	SCREW		MS51957-30		EA	6
6	RIVET		MS20426A03		EA	5
3	NUTPLATE		MS21075L3		EA	4
1	BRACKET		LEX-13336		EA	3
1	BRACKET		LEX-13335		EA	2
1	DECAL		LEX-13333-3		EA	1

SYN	NOMENCLATURE	QTY REQ	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE	REQ NO.
PARTS LIST							
UNLESS OTHERWISE SPECIFIED STANDARD AND A QUALITY ASSURANCE ON		CONTRACT NO. DAAB07-92-Z-8506		SERV-MR, INC. 30P3A A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.			
P/N 44		SLH 93-05-18		SOLENOID SHUT OFF VALVE INSTALLATION			
		LM 93-12-07					
		V.L.D. 93-12-10					
UH-600				D 7S976		LEX-13345	
CATION				1/1		1 1	

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NOTES:

1. INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100

2. INTERPRET ABBREVIATIONS PER MIL-STD-12

△ 3. PICK-UP EXISTING RIVET PATTERN. NUMBER
OF RIVETS MAY VARY AMONG AIRCRAFT

△ 4. RIVET THROUGH ITEM 3 FRAME, ITEM 4 SCREEN,
A/C SKIN AND ITEMS 6-7 SUPPORTS RESPECTIVELY

△ 5. RIVET THROUGH EACH ITEM 5 ANGLE AND EXISTING
STRINGER 2 PLACES AND THROUGH EACH ITEM 5
ANGLE AND ITEMS 6-7 2 PLACES

6. AFTER INSTALLATION TOUCH-UP EXTERIOR WITH
CARC PAINT PER MIL-C-46168 CC #34031

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BASIC CODE	NAS 52
ARN=CR3213 BU=MS20470AD	INSTALL
	BASIC
	C-COUNTER BOTH SIDE CSK 100 GRIND FL

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REVISIONS

ZONE	REV	DESCRIPTION
		CAD GENERATED

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MAR 11 1999

ONLY

28	RIVET		MS20426AD5
56	RIVET	11815	CR3213-5
32	RIVET	11815	CR3213-4
2	WASHER		AN960C8L
2	SCREW		MS51957-57
8	WASHER		MS515795-808
8	SCREW		MS51958-63
1	FRAME		LEX-13353
2	CHANNEL		LEX-13354
2	SUPPORT		LEX-13352-2
2	SUPPORT		LEX-13352-1
8	ANGLE		LEX-13351
1	SCREEN		LEX-13355
1	FRAME		LEX-13356
1	FAN	2W924	PASPT 1624
1	HEAT EXCHANGER	16630	6501-12
	HEAT EXCHANGER INSTALLATION		LEX-13349

SYN	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	MATERIAL/SP
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QUANTITY REQUIRED PER DASH NO

PARTS LIST

BASIC CODE		NAS 923 FASTENER CODE		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR FRACTIONS		DASH NO.		SERV-ALL A SUBSIDIARY OF									
AFN-CR3213 BJ-MS20470AD		INSTALL RIVETS PER MS1815		<table border="1"> <tr> <td>2 1/4"</td> <td>2 1/2"</td> <td>2 3/4"</td> <td>3"</td> </tr> </table>		2 1/4"	2 1/2"	2 3/4"	3"	DAAB07-92-Z-8506		<table border="1"> <tr> <td>W.B.H.</td> <td>93-08-09</td> </tr> <tr> <td>L.M.</td> <td>93-08-18</td> </tr> </table>		W.B.H.	93-08-09	L.M.	93-08-18
2 1/4"	2 1/2"	2 3/4"	3"														
W.B.H.	93-08-09																
L.M.	93-08-18																
BASIC CODE		DASH NO FOR DIA N=MS HEAD N/S F=MS HEAD F/S		<table border="1"> <tr> <td>LEX-13351</td> <td>UH-600</td> </tr> </table>		LEX-13351	UH-600			EXC INST							
LEX-13351	UH-600																
C=COUNTERBANK BOTH SIDES CSK 100° AND GRIND FLUSH		DASH NO FOR LENGTH		APPLICATION		D 75976		1/1									

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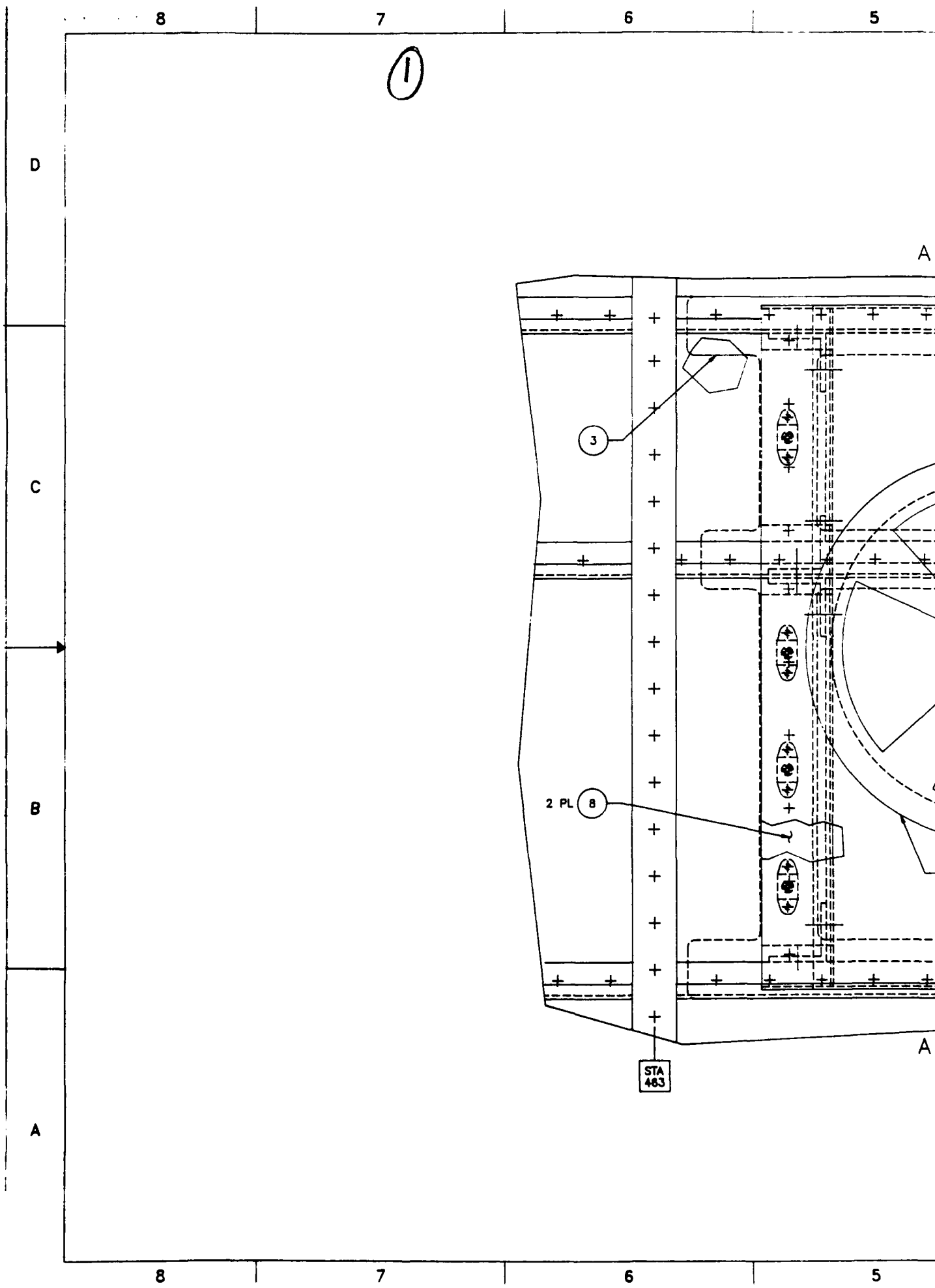
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-08-08	

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REFERENCE
MAR 11 1994
ONLY

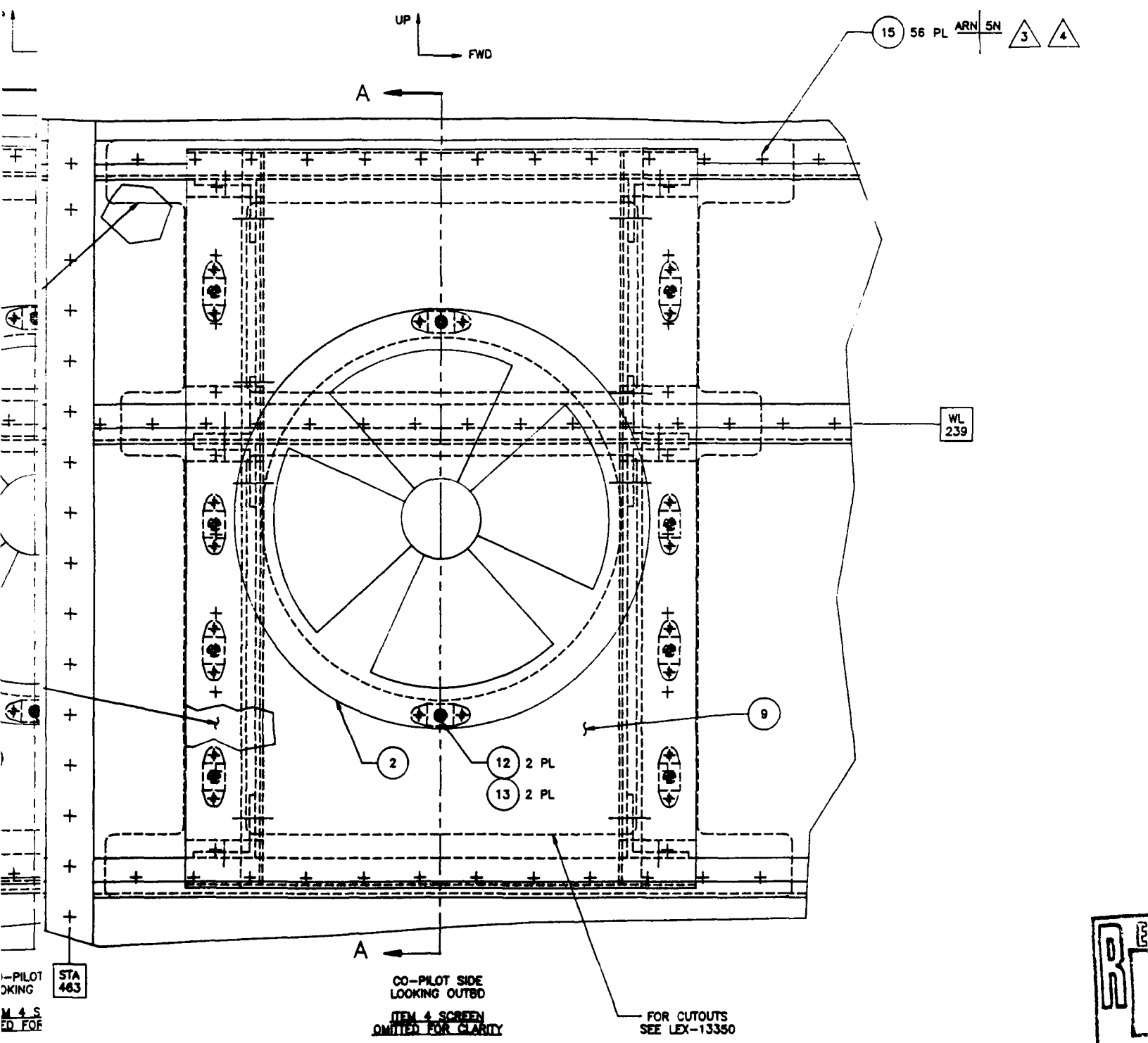
28	RIVET		MS20426AD5		16
56	RIVET	11815	CR3213-5		15
32	RIVET	11815	CR3213-4		14
2	WASHER		AN960C8L		13
2	SCREW		MS51957-57		12
8	WASHER		MS515795-808		11
8	SCREW		MS51958-63		10
1	FRAME		LEX-13353		9
2	CHANNEL		LEX-13354		8
2	SUPPORT		LEX-13352-2		7
2	SUPPORT		LEX-13352-1		6
8	ANGLE		LEX-13351		5
1	SCREEN		LEX-13355		4
1	FRAME		LEX-13356		3
1	FAN	2W924	PASPT 1624		2
1	HEAT EXCHANGER	16630	6501-12		1
X	HEAT EXCHANGER INSTALLATION		LEX-13349		

SYM	DESCRIPTION	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE	QTY
PROD PER DASH NO	PARTS LIST						
UNLESS OTHERWISE SPECIFIED MATERIALS ARE TO BE USED-PURCHASED OR MANUFACTURED BY THE FOLLOWING:		DRAWING NO. DAAB07-92-Z-B5C6		SERV-AIR, INC. S.O.F.S.A. A SUBSIDIARY OF E-SYSTEMS, INC. LBAO LEX, KY.			
2 IN 2 1/2 2 3/4 3 3 1/2 4 4 1/2 5 5 1/2 6 6 1/2 7 7 1/2 8 8 1/2 9 9 1/2 10 11 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100		W.B.M. 83-08-08 L.M. 93-08-18 G.M.		HEAT EXCHANGER INSTALLATION			
UH-60A 1000000		D 7S976		LEX-13349			
LOCATION		1/1		1 2 3			



ZONE	REV	CAD GENERATED

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DAAB07-92-Z-8EC6		D
W.B.H.	93-08-10	
L.M.	93-08-16	

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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-08-10	

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REFERENCE
MAR 11 1994
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K-13350

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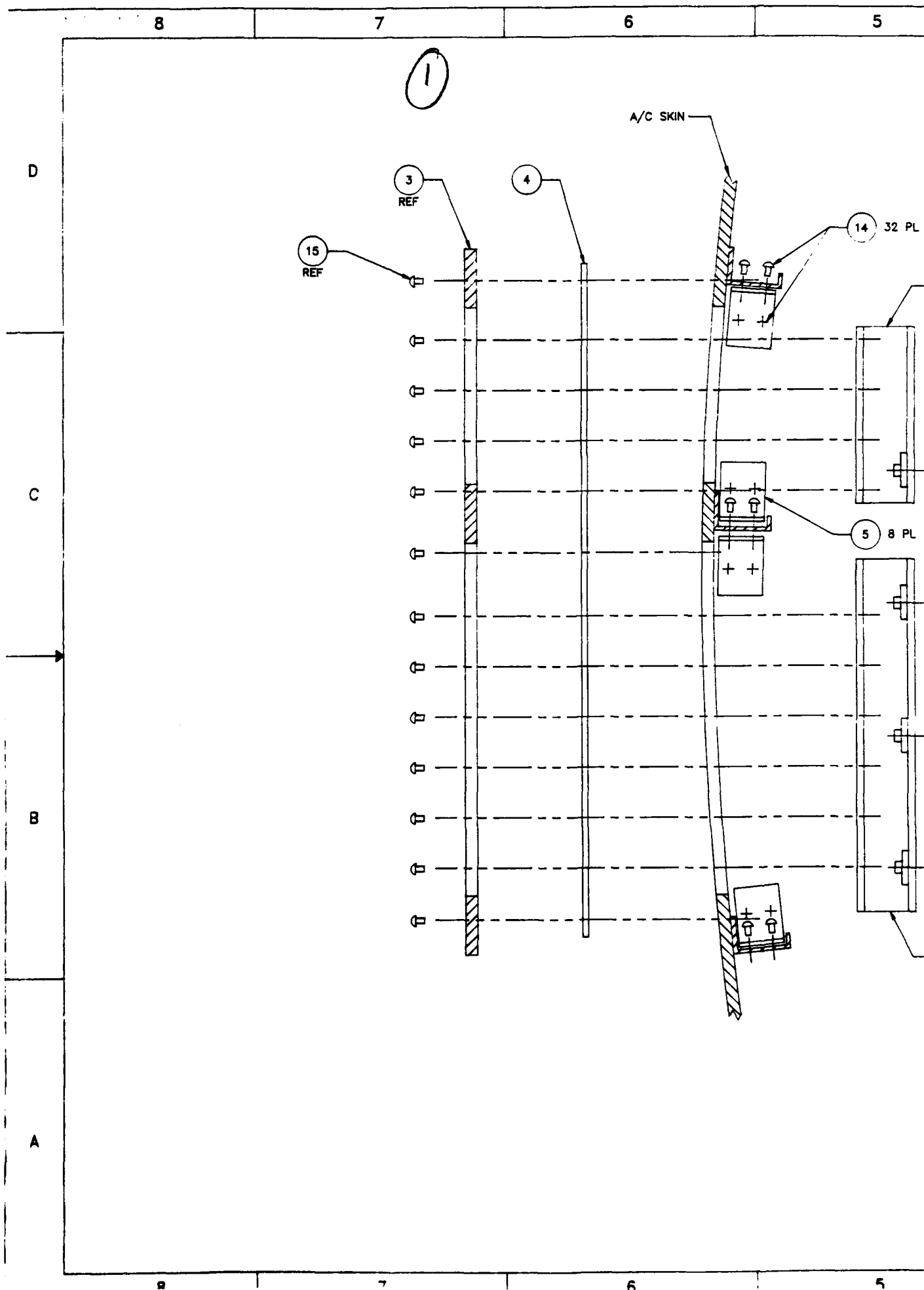
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DAAB07-92-Z-B506		D	7S976	LEX-13349
W.B.H.	93-08-10			
L.M.	93-08-16			

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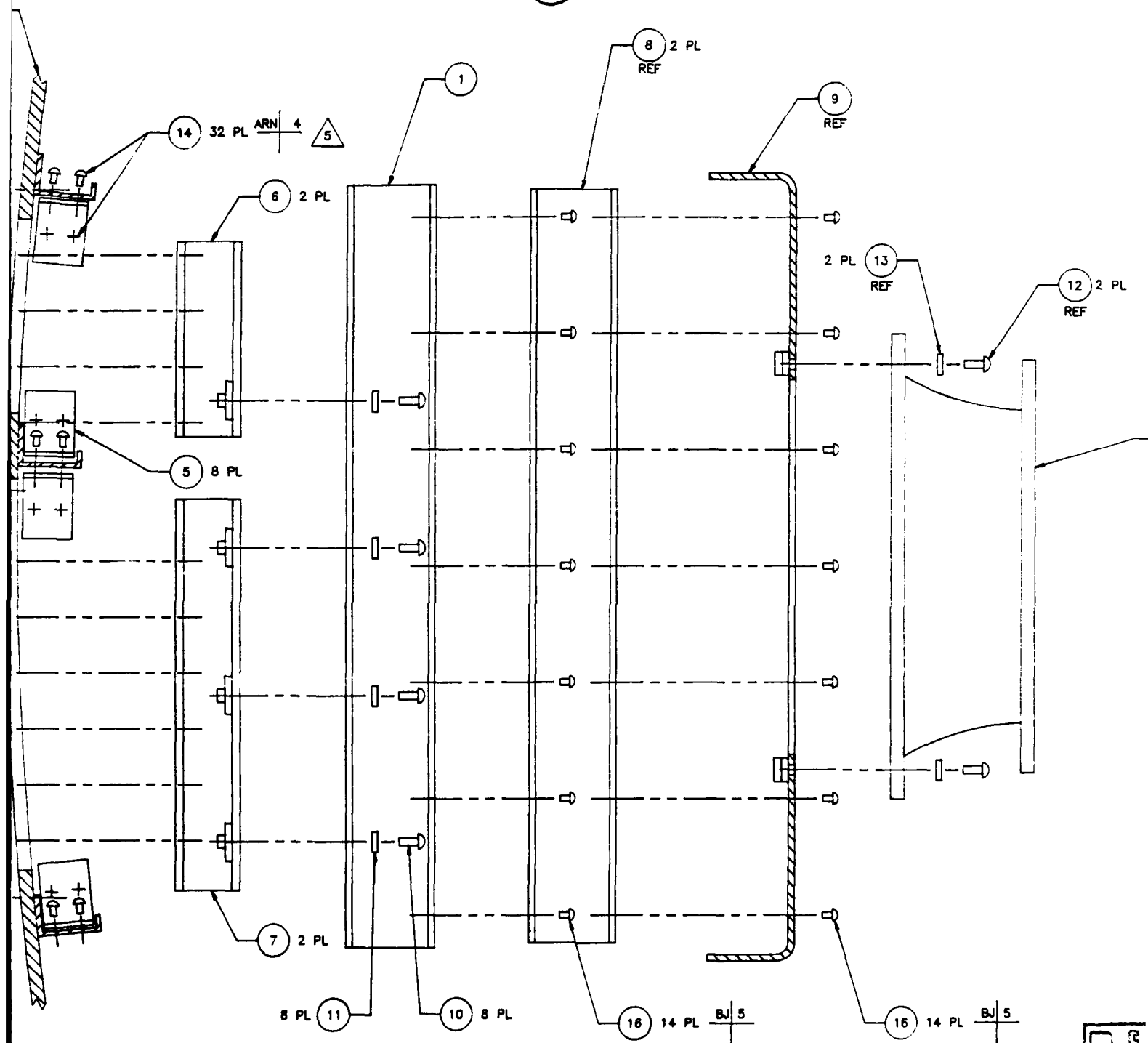
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ZONE	REV	DESCRIPTION
		CAD GENERATED

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DAAB07-92-Z-B5C6

W.B.M. 93-08-11

L.M. 93-08-18

D 7S976

NONE

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REVISIONS						
ZONE	REV	DESCRIPTION			DATE	APPROVED
		CAD GENERATED			93-08-11	

8 2 PL
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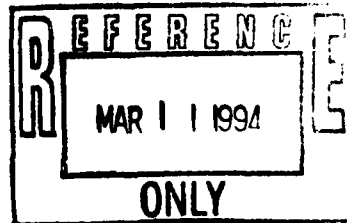
2 PL
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REF

12 2 PL
REF

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REF

6 14 PL BJ 5

16 14 PL BJ 5



DAAS07-92-Z-B508		D 7S976		LEX-13349	
W.B.H.	93-08-11	NONE		3	3
W.L.M.	93-08-10				

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NOTES:

- 1: INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
5. AFTER CUTTING APPLY MIL-C-5541 CLASS 1A ALODINE, THEN PRIME PER MIL-P-23377 TYPE 1 OR TT-P-1757 2 COATS. PAINT PER MIL-C-46168 CC #34031

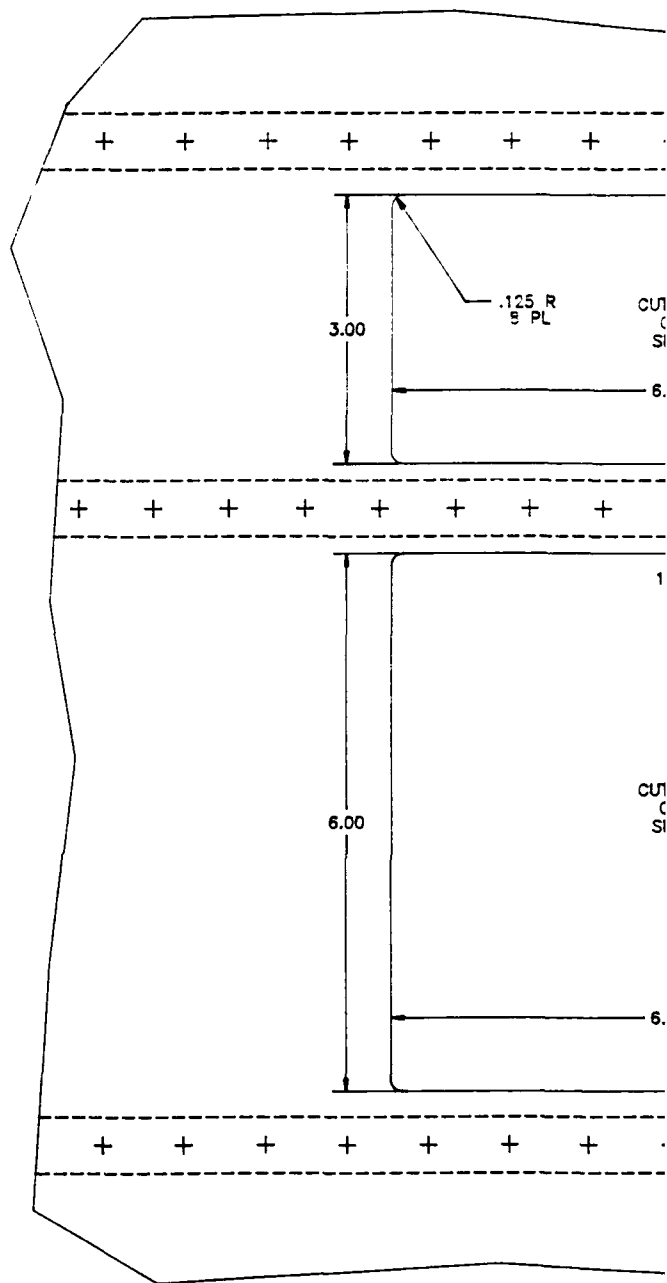
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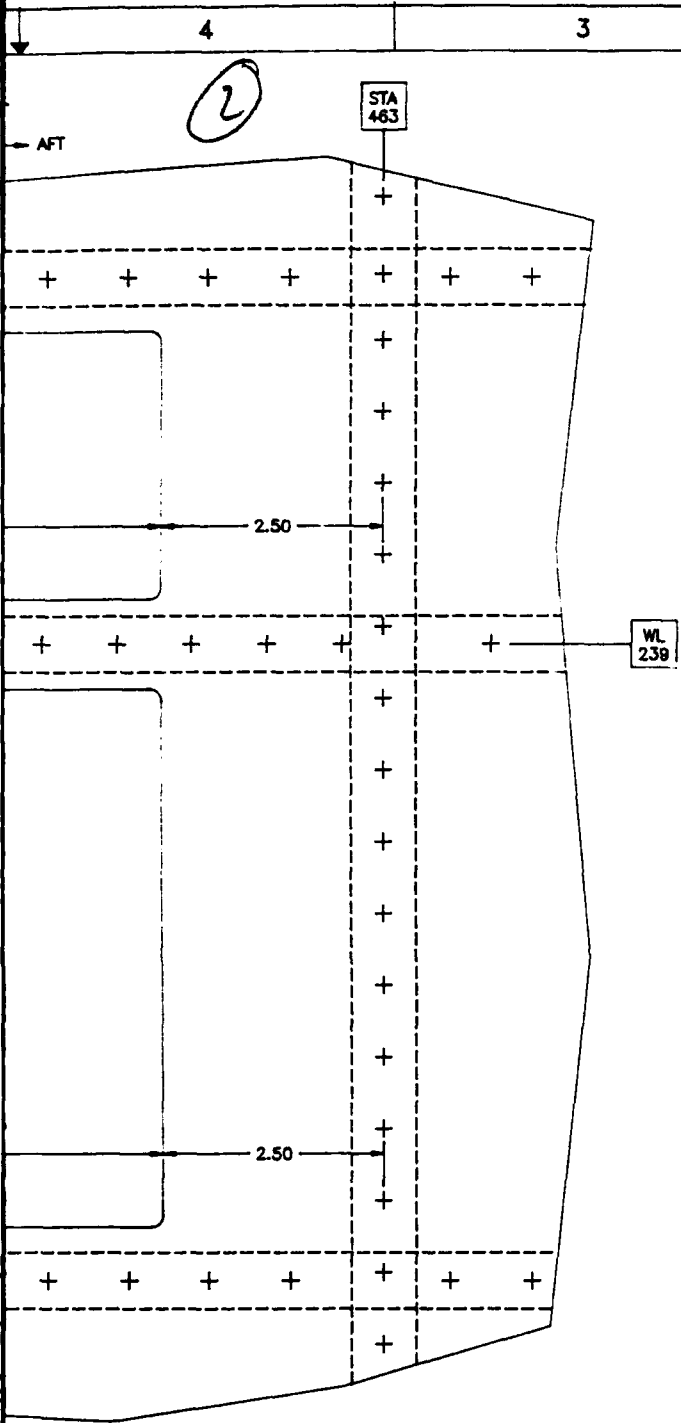
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-08-09	



REFERENCE
MAR 11 1994
ONLY

☒ FRAME CUTOUT		LEX-13350	
QUANTITY REQUIRED PER DASH NO	SYN	NOMENCLATURE	CODE IDENT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR FEET-DECIMALS		PARTS LIST DAAB07-92-Z-B506 W.B.H. 93-08-09 L.M. 93-08-18	
FINISH: 		SERV-AIR, INC. S.O.F.S.A. A SUBSIDIARY OF E-SYSTEMS, INC. LBAD LEX, KY.	
LEX-13350 UH-920 APPLICATION		D 7S976 LEX-13350	

NOTES:

- 1: INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. CHEMICAL CONVERSION COAT PER MIL-C-5541,
CLASS 1A EPOXY POLYAMIDE PRIME PER
MIL-P-23377 OR TT-P-1757 TYPE 1, 2 COATS

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		X		ANGLE	
		SYM		NOMENCLATURE	
QUANTITY REQUIRED PER DASH NO					
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-TOLERANCING	
				FRACTIONS DECIMALS	
				± .00	± .01
				± .02	± .03
				± .04	± .05
				± .06	± .07
				± .08	± .09
				± .10	± .11
				± .12	± .13
				± .14	± .15
				FINISH:	
				6	
LEX-13349		UH-800			
NOT ASSEMBLY		USED ON			
CURRENT CODE IDENT. NO.		APPLICATION			

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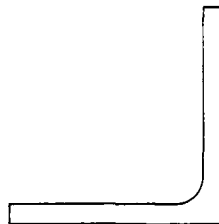
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REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-08-09	

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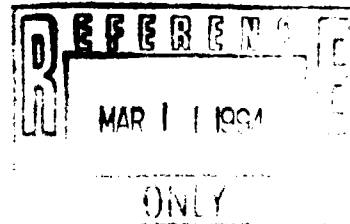
REV

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LEX-13351

REV

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ANGLE

LEX-13351

.094x.95 AND:0133-1002
7075-T6511 QQ-A-200/11

SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE	PROD NO.
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ED PER DASH NO

PARTS LIST

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES-TOLERANCES UNLESS
SPECIFIED OTHERWISE

FUNCTIONS	DECIMALS	ANGLES
± .005	± .01	± .01
± .002	± .005	± .005
± .001	± .002	± .002

CONTRACT NO.

DAAB07-92-Z-B506



SERV-AIR, INC.

S.O.F.S.A.

A SUBSIDIARY OF E-SYSTEMS, INC. LBAD LEX, KY.

FINISH:



DR. W.B.H.	93-08-09
CHL. L.M.	93-08-16
CHL.	

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LEX-13351

SCALE 2/1

SHEET 1 of 1

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UH-800
USED ON

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NOTES:

- 1: INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
6. IDENTIFICATION CODE OF FASTENERS PER NAS-523
7. INSTALLATION CODE OF FASTENERS PER MIL-STD-1515
8. CHEMICAL CONVERSION COAT PER MIL-C-5541, CLASS 1A EPOXY POLYAMIDE PRIME PER MIL-P-23377 TYPE 1 OR TT-P-1757, 2 COATS
9. USE HEAT X-CHANGER PN/16630 CAGE 6501-12 TO DETERMINE ϕ .210 HOLE AND ITEM 1 NUTPLATE LOCATION

BB 3N 6 PL

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 ϕ .098
6 PL ϕ .210
3 PL

BB 3N

2 PL

2

 ϕ .098
6 PL

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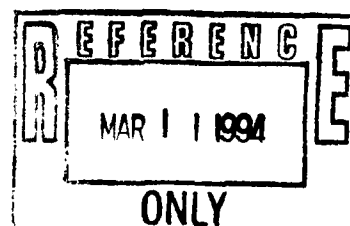
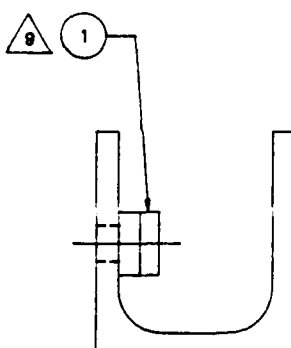
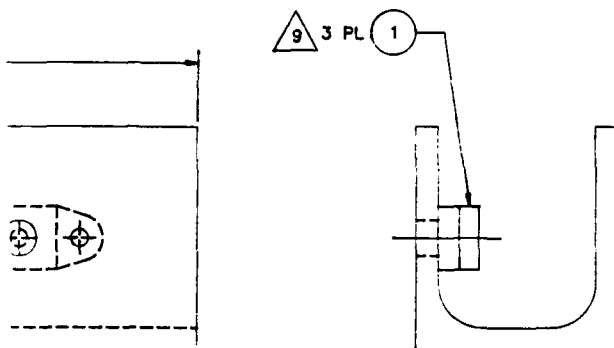
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BASIC CODE	NAS 5:
BB-MS20428AD	RETAIL
	BASIC
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	BOTH S
	CHK 10
	GRIND P

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37-1C -A-20	6	2		RIVET		MS20428AD3			EA		2
37-1C -A-20	3	1		NUT/PLATE		MS21078L3			EA		1
37-1C -A-20	X			SUPPORT		LEX-13352-2		.125x6.2 AND10137-1012 7075-T6511 QQ-A-200/11			
37-1C -A-20		X		SUPPORT		LEX-13352-1		.125x3.2 AND10137-1012 7075-T6511 QQ-A-200/11			
POSITION	-2	-1	QTY	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	UNIT/DESCRIPTION		U/M	ZONE	REF
SER DASH NO				PARTS LIST							
IN	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS AND FRACTIONS				DRAWING NO. DAAB07-92-Z-B508		SERV-AIR, INC. S.O.F.S.A. A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX. KY.				
E-SYS	FINISH:				BY W.B.H. 63-08-08		SUPPORT				
PPC	8				CHK L.M. 63-08-18						
LF	UW-800				D 7S976						
IN					LEX-13352						

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NOTES:

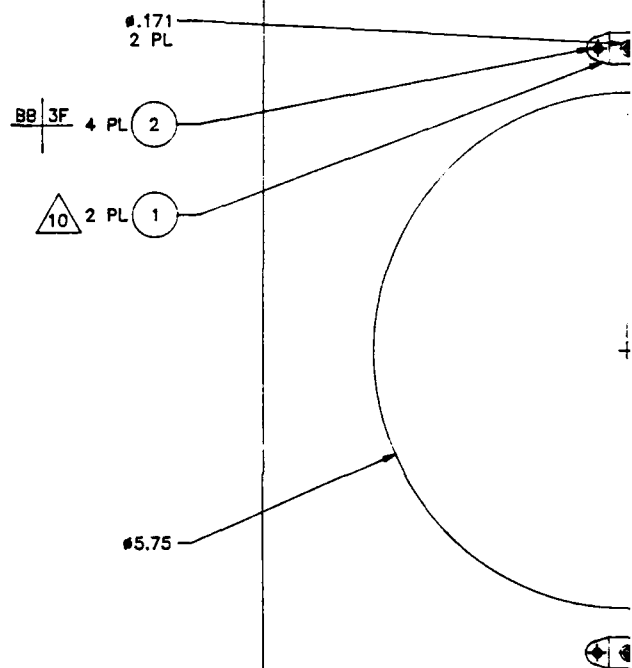
1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
6. IDENTIFICATION CODE OF FASTENERS PER NAS-523
7. INSTALLATION CODE OF FASTENERS PER MIL-STD-1515
8. CHEMICAL CONVERSION COAT PER MIL-C-5541, CLASS 1A EPOXY POLYAMIDE PRIME PER MIL-P-23377 TYPE 1 OR TT-P-1757, 2 COATS
9. CARC PAINT PER MIL-C-46168, 1 COAT CC #36231 (GREY). APPLY CARC PAINT PER MIL-C-53072
10. USE FAN PN/PASPT 1624 CAGE 2W924 TO DETERMINE .171 HOLES AND ITEM 1 NUTPLATE LOCATION

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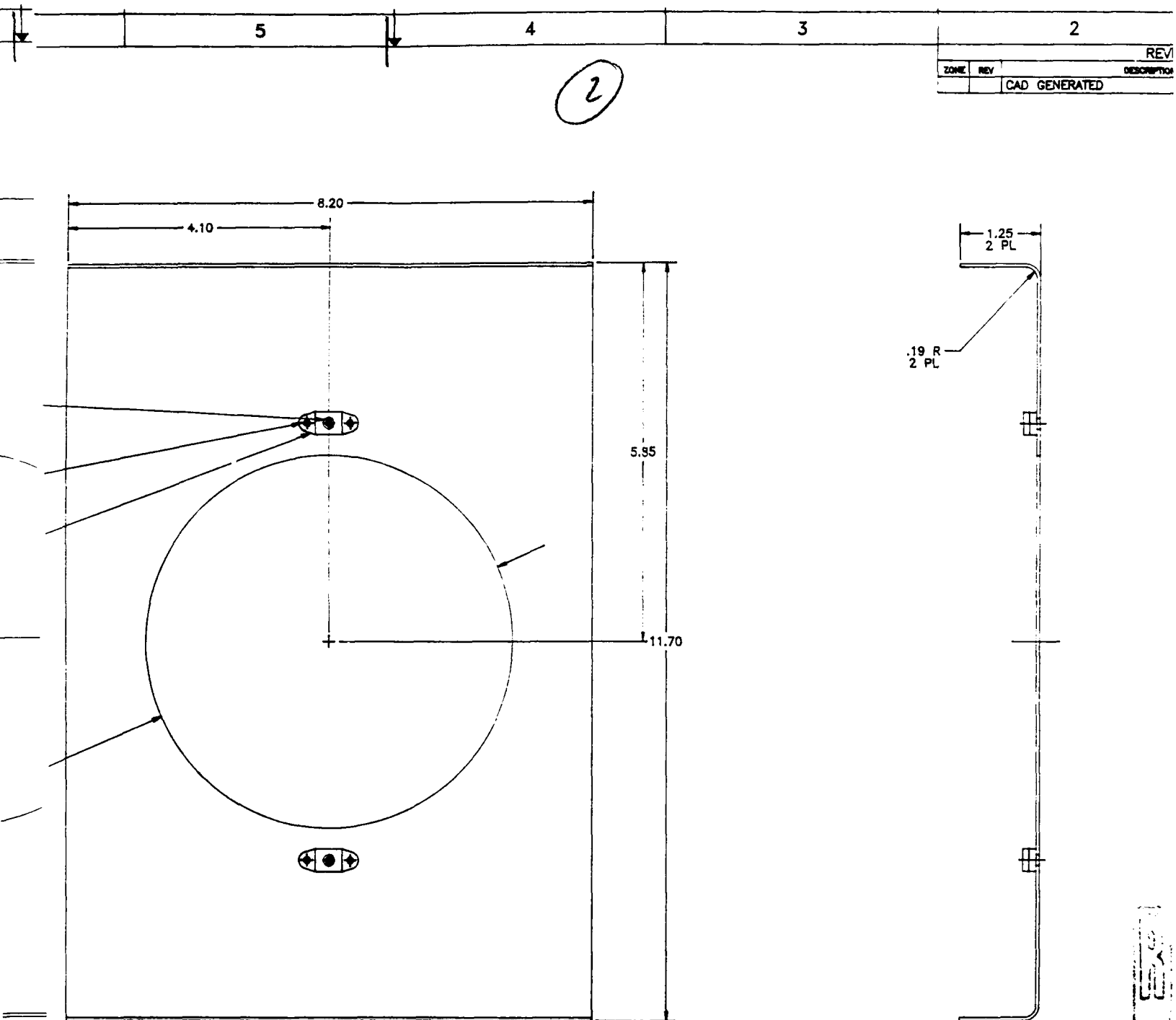
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BASIC CODE	NAS 52
BB-MS20428AD	INSTALL
	BASIC
	COUNTED
	BOTH S
	CSK 100
	GRIND P



4		RVET		MS20426AD3	
2		NUTPLATE		MS21076L08	
	X	FRAME		LEX-13353	.050x8. AL ALY

QUANTITY REQUIRED PER DASH NO		PARTS LIST			
SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	MATERIAL	
	UNLESS OTHERWISE SPECIFIED (DIMENSIONS ARE IN INCHES-DECIMALS AND FRACTIONS)	CONTRACT NO. DAAB07-92-Z-B506			
	FINISH:	W.B.J. 93-08-09 L.M. 93-08-18 G.M.			
	LEX-13353	UH-600	SERV A SUBSC		
	APPLICATION				

BASIC CODE		NAS 623 FASTENER CODE	
88-4E20426AD		METALL BRATE PER ME1515	
BASIC CODE	DASH NO FOR DIA H-4E20 HEAD N/3 P-4E20 HEAD P/3	DASH NO FOR LENGTH	
C-COUNTERSINK BOTH SIDES CEN 100° AND GRIND FLUSH	DASH NO FOR LENGTH		

TENER CO
 S. PETER MC
 DASH NO
 H-4E20
 P-4E20
 DASH NO
 LENGTH

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REVISIONS			
ZONE	REV	DESCRIPTION	DATE
		CAD GENERATED	93-08-09

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MAR 11 1994
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4	RIVET	MS20426AD3	EA	2
2	NUTPLATE	MS21076L08	EA	1
X	FRAME	LEX-13353	.050x8.4x14.4 2024-T3 AL ALY QQ-A-250/5	

2024-
250/5

DESCRIPTION

R, INC
E-SYS

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PARTS LIST

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES-DECIMALS
FRACTIONS ARE IN INCHES-DECIMALS
FRACTIONS ARE IN INCHES-DECIMALS

DAAB07-92-Z-B508

SERV-AIR, INC. S.O.F.S.A.
A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.

FINISH:



W.B.H. 93-08-08
L.M. 93-08-18

FRAME

D 7S976 LEX-13353

1/1

1 of 1

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NOTES:

- 1: INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. CHEMICAL CONVERSION COAT PER MIL-C-5541,
CLASS 1A EPOXY POLYAMIDE PRIME PER
MIL-P-23377 TYPE 1 OR TT-P-1757, 2 COATS
7. CARC PAINT PER MIL-C-46168, 1 COAT
CC #36231 (GREY). APPLY CARC PAINT PER
MIL-C-53072

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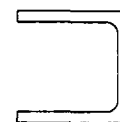
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			REVISION
			DESCRIPTION
			CAD GENERATED

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		CHANNEL		LEX-13354		.125x11.6 7075-T651	
		SYN		NOMENCLATURE		CODE IDENT	
		IDENTIFYING NO.				MATERIAL	
QUANTITY REQUIRED PER DASH NO				PARTS LIST			
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-FRACTIONS AND DECIMALS		DAAB07-92-Z-B506		SERV- A SUBSIDIA	
		FINISH:		W.B.H. 93-08-09			
		6 7		L.M. 93-08-18			
LEX-13354		UH-600					
APPLICATION						D 7S976	
						1/1	

ONLY

MAR 1 1994
ONLY

LEX-

DAAB07-92-Z-B506		REV D	7S976	REVISED BY LEX-13349
W.S.H.	93-08-11			
W.S.H.	93-08-11			
W.S.H.	93-08-11			

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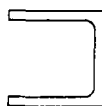
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-08-09	

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1994

REFERENCE
MAR 1 1994
ONLY

0137-120
3-A-200/
SPECIFICATION

INC.
E-SYSTEMS

IANNE

LEX

CHANNEL		LEX-13354		.125x11.6 AND 10137-1207 7075-T8511 QQ-A-200/11	
SYN	NONMATERIAL	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M ZONE
PARTS LIST					
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES-DECIMALS		SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEMS, INC. LIBA LEX, KY.			
FINISH:		CHANNEL			
		DAAB07-92-Z-B506 W.S.H. 93-08-08 W.S.H. 93-08-11 W.S.H. 93-08-11			
		D 7S976 LEX-13354 1/1			

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(1)

NOTES:

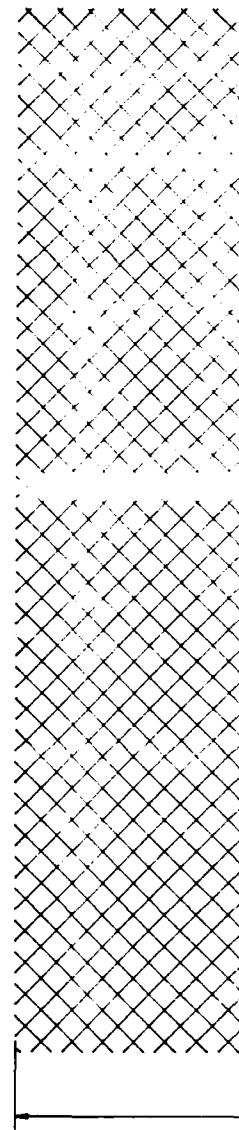
- 1: INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. MARK PARTS PER MIL-STD-130
4. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982

D

C

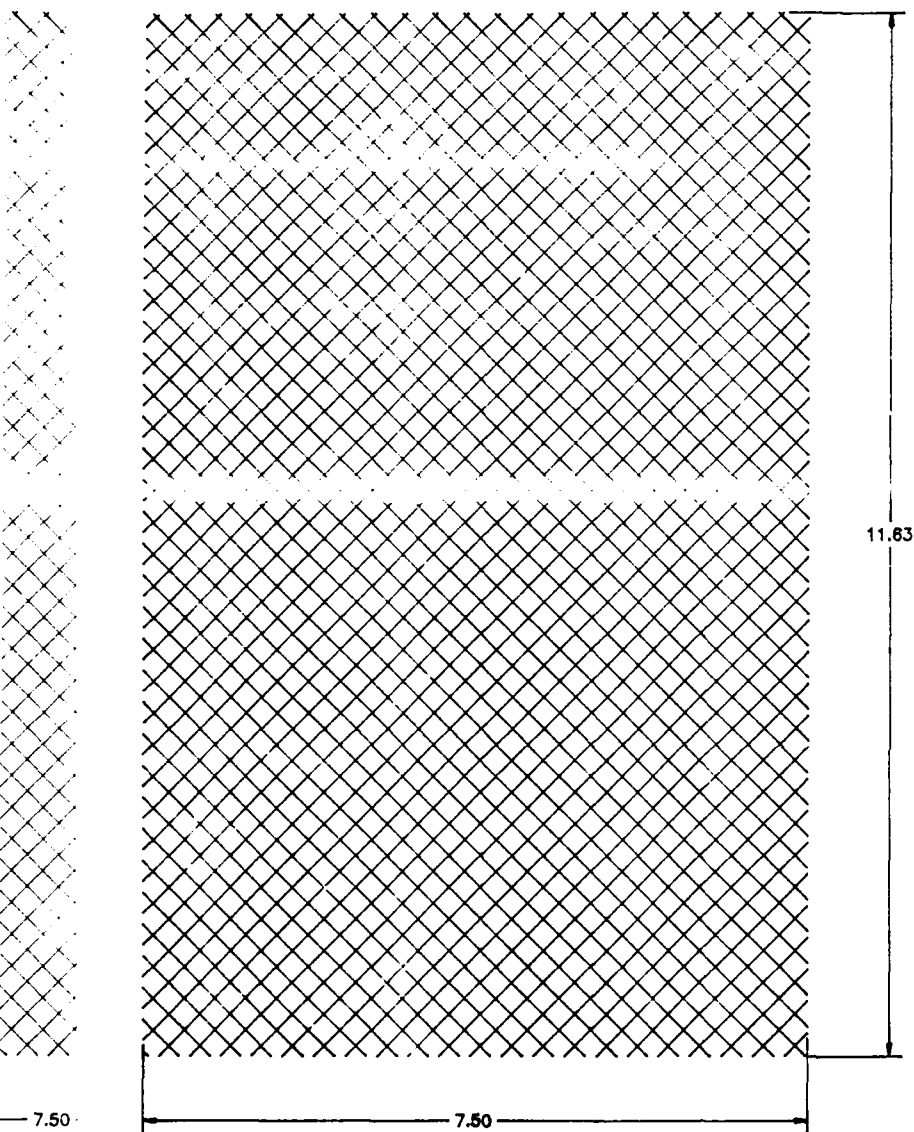
B

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				REVISIONS
ZONE		REV	DESCRIPTION	
			CAD GENERATED	

(2)

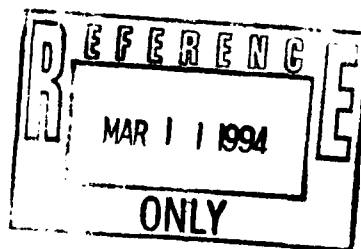


REFERENCE
MAR 1 1983
ONLY

SCREEN		LEX-13355-1		.032x.25 MESH 304 CRES
SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	MATERIAL
QUANTITY REQUIRED PER DASH NO		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR FRACTIONS 1/8" 1/4" 3/8" 1/2" 5/8" 3/4" 1" 1 1/4" 1 1/2" 1 3/4" 2" 2 1/4" 2 1/2" 3" 3 1/4" 3 1/2" 4" 4 1/4" 4 1/2" 5" 5 1/4" 5 1/2" 6" 6 1/4" 6 1/2" 7" 7 1/4" 7 1/2" 8" 8 1/4" 8 1/2" 9" 9 1/4" 9 1/2" 10" 10 1/4" 10 1/2" 11" 11 1/4" 11 1/2" 12" 12 1/4" 12 1/2" 13" 13 1/4" 13 1/2" 14" 14 1/4" 14 1/2" 15" 15 1/4" 15 1/2" 16" 16 1/4" 16 1/2" 17" 17 1/4" 17 1/2" 18" 18 1/4" 18 1/2" 19" 19 1/4" 19 1/2" 20" 20 1/4" 20 1/2" 21" 21 1/4" 21 1/2" 22" 22 1/4" 22 1/2" 23" 23 1/4" 23 1/2" 24" 24 1/4" 24 1/2" 25" 25 1/4" 25 1/2" 26" 26 1/4" 26 1/2" 27" 27 1/4" 27 1/2" 28" 28 1/4" 28 1/2" 29" 29 1/4" 29 1/2" 30" 30 1/4" 30 1/2" 31" 31 1/4" 31 1/2" 32" 32 1/4" 32 1/2" 33" 33 1/4" 33 1/2" 34" 34 1/4" 34 1/2" 35" 35 1/4" 35 1/2" 36" 36 1/4" 36 1/2" 37" 37 1/4" 37 1/2" 38" 38 1/4" 38 1/2" 39" 39 1/4" 39 1/2" 40" 40 1/4" 40 1/2" 41" 41 1/4" 41 1/2" 42" 42 1/4" 42 1/2" 43" 43 1/4" 43 1/2" 44" 44 1/4" 44 1/2" 45" 45 1/4" 45 1/2" 46" 46 1/4" 46 1/2" 47" 47 1/4" 47 1/2" 48" 48 1/4" 48 1/2" 49" 49 1/4" 49 1/2" 50" 50 1/4" 50 1/2" 51" 51 1/4" 51 1/2" 52" 52 1/4" 52 1/2" 53" 53 1/4" 53 1/2" 54" 54 1/4" 54 1/2" 55" 55 1/4" 55 1/2" 56" 56 1/4" 56 1/2" 57" 57 1/4" 57 1/2" 58" 58 1/4" 58 1/2" 59" 59 1/4" 59 1/2" 60" 60 1/4" 60 1/2" 61" 61 1/4" 61 1/2" 62" 62 1/4" 62 1/2" 63" 63 1/4" 63 1/2" 64" 64 1/4" 64 1/2" 65" 65 1/4" 65 1/2" 66" 66 1/4" 66 1/2" 67" 67 1/4" 67 1/2" 68" 68 1/4" 68 1/2" 69" 69 1/4" 69 1/2" 70" 70 1/4" 70 1/2" 71" 71 1/4" 71 1/2" 72" 72 1/4" 72 1/2" 73" 73 1/4" 73 1/2" 74" 74 1/4" 74 1/2" 75" 75 1/4" 75 1/2" 76" 76 1/4" 76 1/2" 77" 77 1/4" 77 1/2" 78" 78 1/4" 78 1/2" 79" 79 1/4" 79 1/2" 80" 80 1/4" 80 1/2" 81" 81 1/4" 81 1/2" 82" 82 1/4" 82 1/2" 83" 83 1/4" 83 1/2" 84" 84 1/4" 84 1/2" 85" 85 1/4" 85 1/2" 86" 86 1/4" 86 1/2" 87" 87 1/4" 87 1/2" 88" 88 1/4" 88 1/2" 89" 89 1/4" 89 1/2" 90" 90 1/4" 90 1/2" 91" 91 1/4" 91 1/2" 92" 92 1/4" 92 1/2" 93" 93 1/4" 93 1/2" 94" 94 1/4" 94 1/2" 95" 95 1/4" 95 1/2" 96" 96 1/4" 96 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140 1/2" 141" 141 1/4" 141 1/2" 142" 142 1/4" 142 1/2" 143" 143 1/4" 143 1/2" 144" 144 1/4" 144 1/2" 145" 145 1/4" 145 1/2" 146" 146 1/4" 146 1/2" 147" 147 1/4" 147 1/2" 148" 148 1/4" 148 1/2" 149" 149 1/4" 149 1/2" 150" 150 1/4" 150 1/2" 151" 151 1/4" 151 1/2" 152" 152 1/4" 152 1/2" 153" 153 1/4" 153 1/2" 154" 154 1/4" 154 1/2" 155" 155 1/4" 155 1/2" 156" 156 1/4" 156 1/2" 157" 157 1/4" 157 1/2" 158" 158 1/4" 158 1/2" 159" 159 1/4" 159 1/2" 160" 160 1/4" 160 1/2" 161" 161 1/4" 161 1/2" 162" 162 1/4" 162 1/2" 163" 163 1/4" 163 1/2" 164" 164 1/4" 164 1/2" 165" 165 1/4" 165 1/2" 166" 166 1/4" 166 1/2" 167" 167 1/4" 167 1/2" 168" 168 1/4" 168 1/2" 169" 169 1/4" 169 1/2" 170" 170 1/4" 170 1/2" 171" 171 1/4" 171 1/2" 172" 172 1/4" 172 1/2" 173" 173 1/4" 173 1/2" 174" 174 1/4" 174 1/2" 175" 175 1/4" 175 1/2" 176" 176 1/4" 176 1/2" 177" 177 1/4" 177 1/2" 178" 178 1/4" 178 1/2" 179" 179 1/4" 179 1/2" 180" 180 1/4" 180 1/2" 181" 181 1/4" 181 1/2" 182" 182 1/4" 182 1/2" 183" 183 1/4" 183 1/2" 184" 184 1/4" 184 1/2" 185" 185 1/4" 185 1/2" 186" 186 1/4" 186 1/2" 187" 187 1/4" 187 1/2" 188" 188 1/4" 188 1/2" 189" 189 1/4" 189 1/2" 190" 190 1/4" 190 1/2" 191" 191 1/4" 191 1/2" 192" 192 1/4" 192 1/2" 193" 193 1/4" 193 1/2" 194" 194 1/4" 194 1/2" 195" 195 1/4" 195 1/2" 196" 196 1/4" 196 1/2" 197" 197 1/4" 197 1/2" 198" 198 1/4" 198 1/2" 199" 199 1/4" 199 1/2" 200" 200 1/4" 200 1/2" 201" 201 1/4" 201 1/2" 202" 202 1/4" 202 1/2" 203" 203 1/4" 203 1/2" 204" 204 1/4" 204 1/2" 205" 205 1/4" 205 1/2" 206" 206 1/4" 206 1/2" 207" 207 1/4" 207 1/2" 208" 208 1/4" 208 1/2" 209" 209 1/4" 209 1/2" 210" 210 1/4" 210 1/2" 211" 211 1/4" 211 1/2" 212" 212 1/4" 212 1/2" 213" 213 1/4" 213 1/2" 214" 214 1/4" 214 1/2" 215" 215 1/4" 215 1/2" 216" 216 1/4" 216 1/2" 217" 217 1/4" 217 1/2" 218" 218 1/4" 218 1/2" 219" 219 1/4" 219 1/2" 220" 220 1/4" 220 1/2" 221" 221 1/4" 221 1/2" 222" 222 1/4" 222 1/2" 223" 223 1/4" 223 1/2" 224" 224 1/4" 224 1/2" 225" 225 1/4" 225 1/2" 226" 226 1/4" 226 1/2" 227" 227 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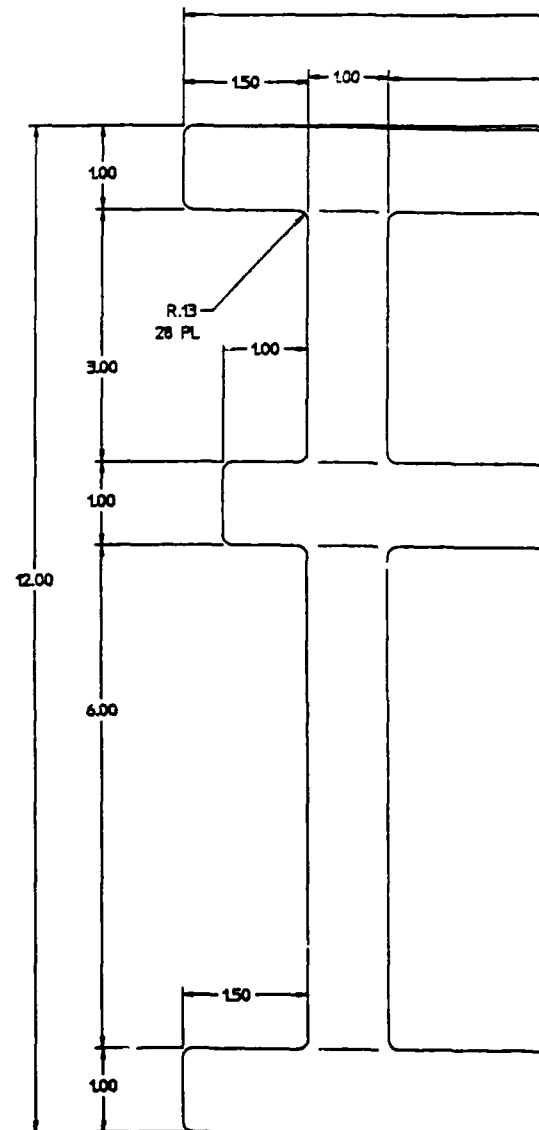
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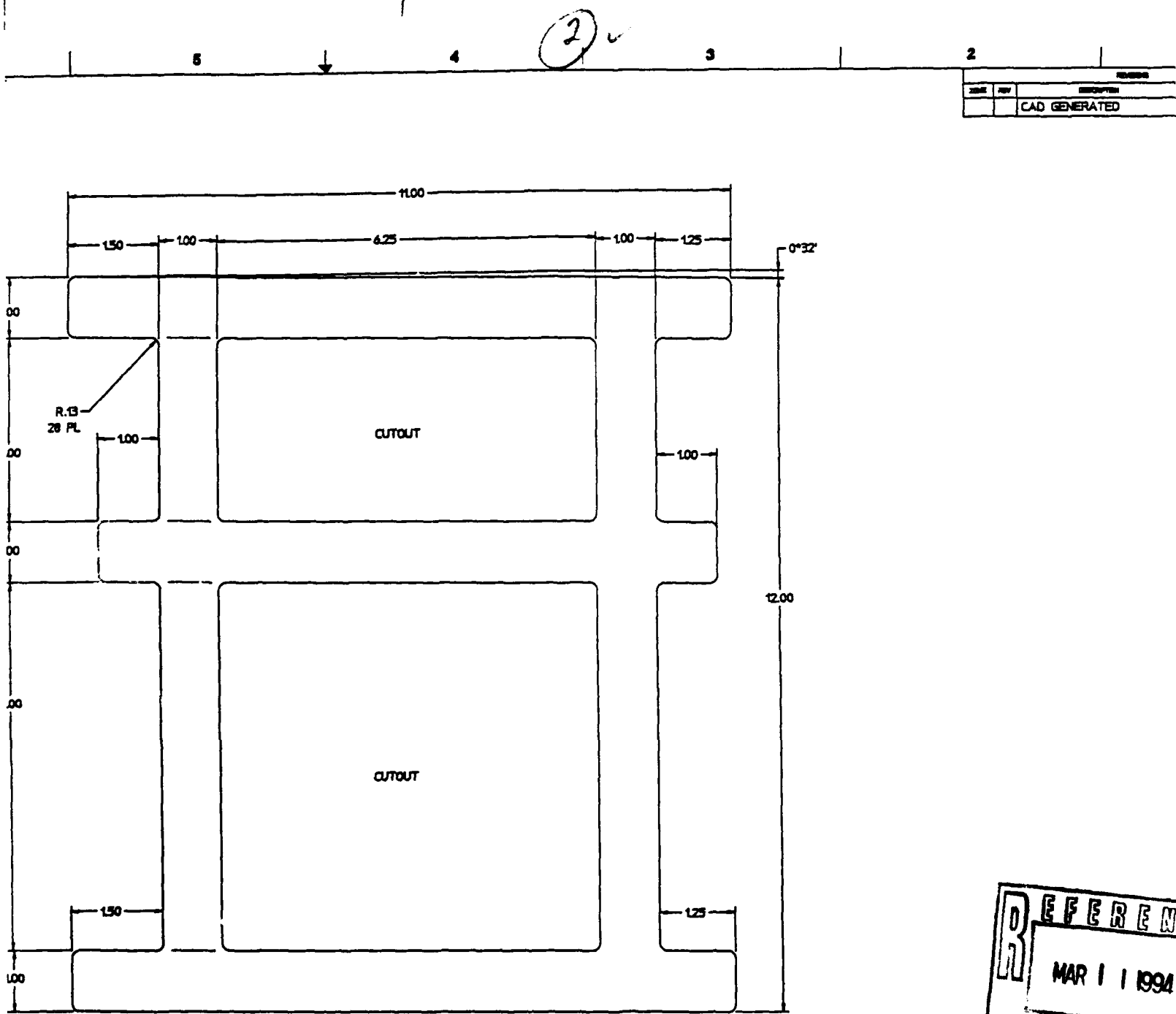
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NOTES:

1. INTERPRET DRAWING PER MIL-T-31000 AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER ANSI Y14.5, 1982
6.  CHEMICAL CONVERSION COAT PER MIL-C-5541, CLASS 1A
EPOXY POLYAMIDE PRIME PER MIL-P-3377 TYPE I, 1 COAT



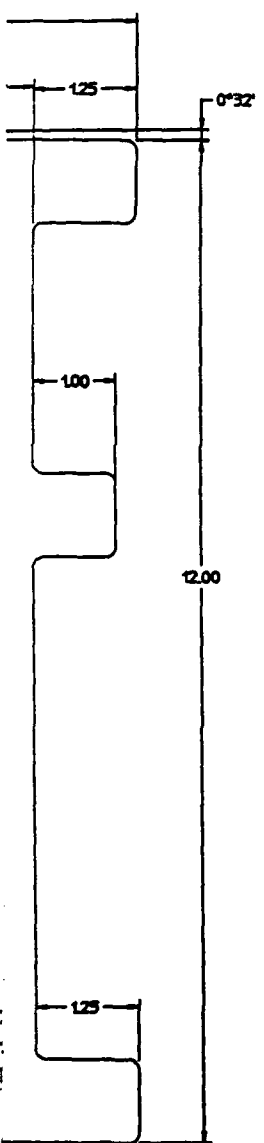


REFERENCE
MAR 11 1994
ONLY

FRAME		LEX-13354	.032x12.25x11.25
SYN		DAAB07-92-Z-8506	2024-T3 AL ALY 00-A-250/
NOMENCLATURE		IDENTIFYING NO.	MATERIAL/SPECIFICATION
QUANTITY REQUIRED PER DASH NO.		PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-TOLERANCES ON FINISH		SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEMS	
FINISH		FRAM	
LEX-13349		D 7S976	
LEX-400		LEX-	
APPLICATION		1/1	

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REVISIONS				
DATE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-07-20	



REFERENCE
MAR 11 1994
ONLY

FRAME		LEX-13356		.032x12.25x125					
SYN NOMENCLATURE		IDENTIFYING NO.		MATERIAL/SPECIFICATION		U/M		ZONE P/N NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS UNLESS OTHERWISE NOTED		CONTRACT NO. DAA807-92-Z-8506		SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEMS INC. LEAD LEX, KY.		SOP3A			
P/N: 6		S.L.H. 93-07-20		FRAME		D 7S976		LEX-13356	
		L.H. 93-12-07							
		G.C.H. 93-12-07							

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NOTES:

1. INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. IDENTIFY TUBING ASSY PER MIL-STD-1247

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DATE REV

CAD GENERATED

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REF
MAR

2	PLUG	AN806-10D
1	UNION	AN815-10D
2	REDUCER	AN919-20D
1	CROSS	AN918-6D
2	ADAPTER	AN816-10-12D
1	REDUCER	AN893-31
1	REDUCER	AN919-6
1	ADAPTER	MS20392-8D
4	TEE	AN824-8D
3	PLUG	AN806-8D
1	MSOGS TUBING ASSY	LEX-13371
1	MSOGS TUBING ASSY	LEX-13370
1	MSOGS TUBING ASSY	LEX-13369
1	MSOGS TUBING ASSY	LEX-13368
1	MSOGS TUBING ASSY	LEX-13367
1	MSOGS TUBING ASSY	LEX-13366
1	MSOGS TUBING ASSY	LEX-13365
1	MSOGS TUBING ASSY	LEX-13364
1	MSOGS TUBING ASSY	LEX-13363
1	MSOGS TUBING ASSY	LEX-13362
1	MSOGS TUBING ASSY	LEX-13361
1	MSOGS TUBING ASSY	LEX-13360
	MSOGS TUBING SCHEM	LEX-13359

SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.
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QUANTITY REQUIRED PER DASH NO

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR FEET 1/8" 1/4" 3/8" 1/2" 5/8" 3/4" 1" 1 1/4" 1 1/2" 2" 2 1/2" 3" 4" 6" 8" 10" 12"		DAAB07-92-Z-B506	
		W.B.H. 93-08-02 L.M. 93-08-09	
LEX-13321 UN-002 APPLICATION		D 7 NO	

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REVISIONS		
ZONE	REV	DATE
DESCRIPTION		APPROVED
CAD GENERATED		93-08-02

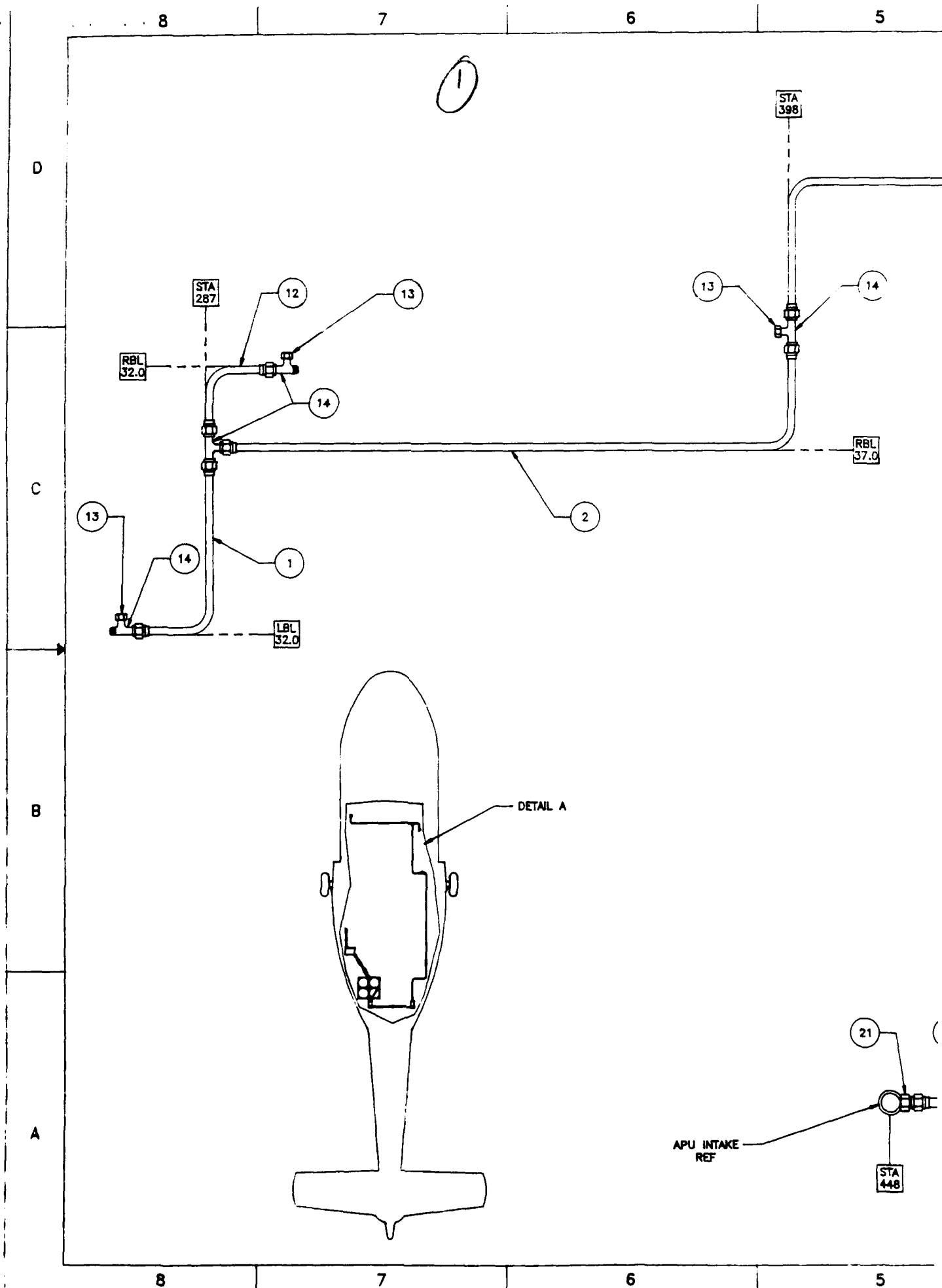
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REFERENCE
MAR 11 1994
ONLY

2	PLUG	AN806-100	EA	22
1	UNION	AN815-100	EA	21
2	REDUCER	AN919-200	EA	20
1	CROSS	AN918-60	EA	19
2	ADAPTER	AN816-10-12D	EA	18
1	REDUCER	AN893-31	EA	17
1	REDUCER	AN919-6	EA	16
1	ADAPTER	MS20392-8D	EA	15
4	TEE	AN824-8D	EA	14
3	PLUG	AN806-8D	EA	13
1	MSOGS TUBING ASSY	LEX-13371	EA	12
1	MSOGS TUBING ASSY	LEX-13370	EA	11
1	MSOGS TUBING ASSY	LEX-13369	EA	10
1	MSOGS TUBING ASSY	LEX-13368	EA	9
1	MSOGS TUBING ASSY	LEX-13367	EA	8
1	MSOGS TUBING ASSY	LEX-13366	EA	7
1	MSOGS TUBING ASSY	LEX-13365	EA	6
1	MSOGS TUBING ASSY	LEX-13364	EA	5
1	MSOGS TUBING ASSY	LEX-13363	EA	4
1	MSOGS TUBING ASSY	LEX-13362	EA	3
1	MSOGS TUBING ASSY	LEX-13361	EA	2
1	MSOGS TUBING ASSY	LEX-13360	EA	1
X	MSOGS TUBING SCHEM	LEX-13359		

QTY REQUIRED PER DASH NO	SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE	QTY
PARTS LIST								
		DAAB07-92-Z-B508		SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEMS, INC. LBAD LEX, KY.		S.O.F.S.A.		
		W.B.H. 93-08-02 L.M. 93-08-08		MSOGS TUBING SCHEMATIC				
				D 7S976 LEX-13359				
				NONE				

13359 UH-600
APPLICATION



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REVISIONS

ZONE	REV	DESCRIPTION
		CAD GENERATED

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STA
398FLOW SENSOR
FOR INSTL
SEE LEX-13337RBL
37.0

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LBL
5.0VALVE SOLENOID
FOR INSTL
SEE LEX-13345HEAT X-CHANGER
FOR INSTL
SEE LEX-13349MSOGS UNIT
FOR INSTL
SEE LEX-13338LBL
30.0STA
448

DETAIL A

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DAAB07-92-Z-8506	DATE	75976
W.B.H.	93-08-02	
L.M.	93-08-09	NONE

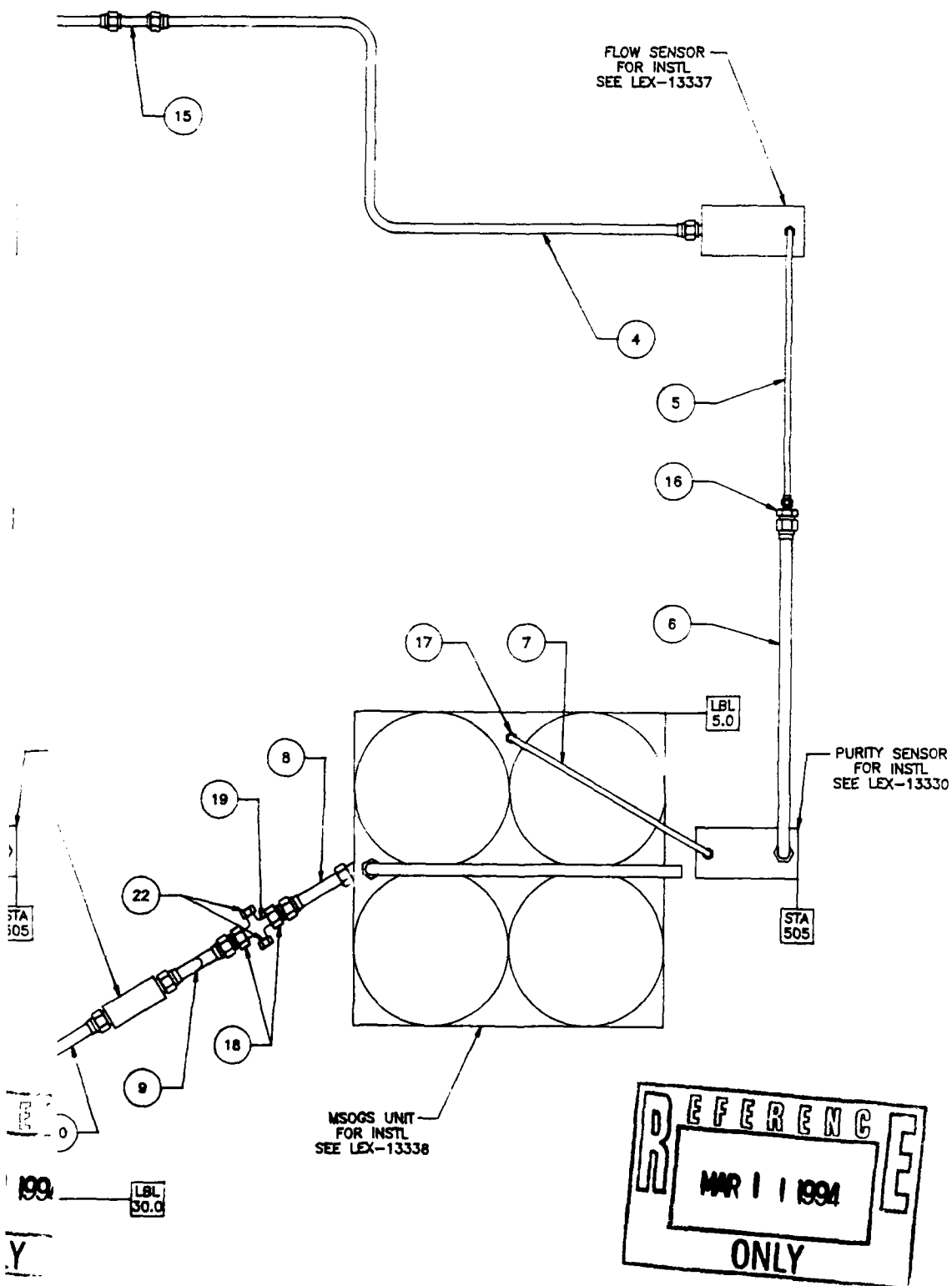
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REVISIONS			
ZONE	REV	DESCRIPTION	DATE
		CAD GENERATED	93-08-02

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DAAB07-92-Z-8506			
W.B.M.	93-08-02	D 7S976	LEX-13359
L.M.	93-08-09	NONE	2 2

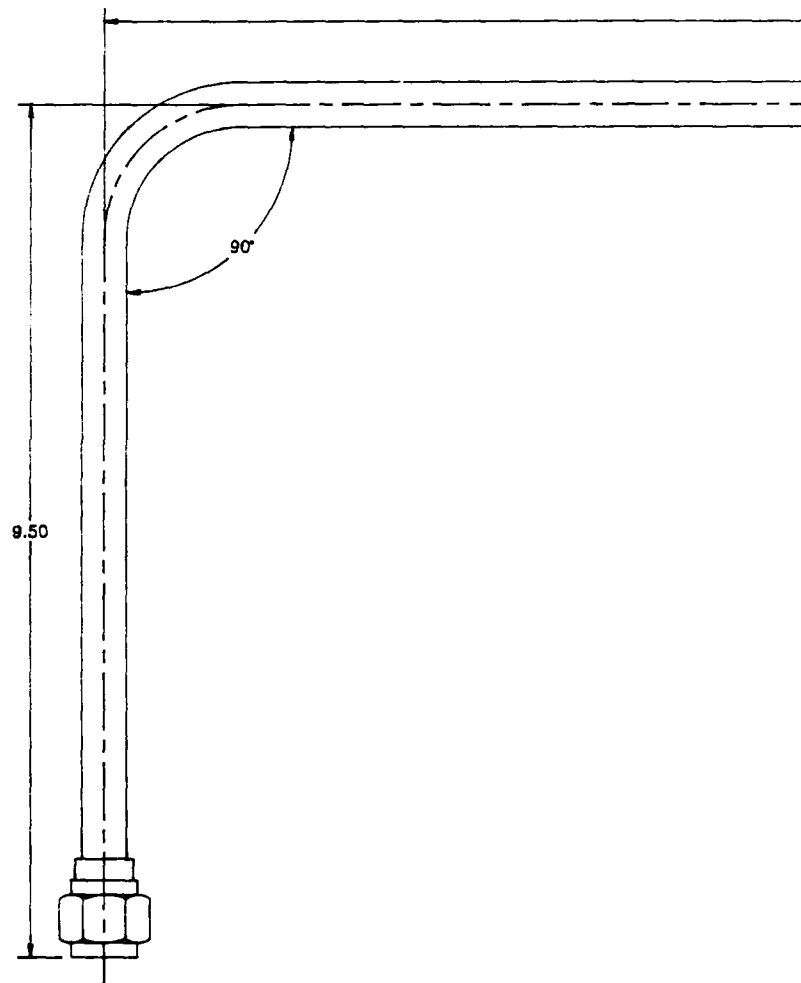
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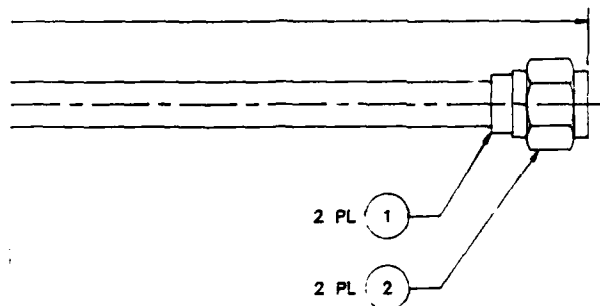
1. INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. ALL BEND RADIUS PER MS33611





REVISIONS			DATE	APPROVED
ZONE	REV	DESCRIPTION		
		CAD GENERATED	93-07-29	

3



REFERENCE
MAR 11 1994
ONLY

2	NUT	AN818-8DN		2
2	SLEEVE	MS20819-8DS		1
3 WALL ALUMINUM	MSOGS TUBING ASSY	LEX-13360	.375 ID x .063 WALL x 102.0 3003-H14 ALUMINUM TUBING	

ASH NO	REMARKS	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	QTY	ZONE	REV
PARTS LIST							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR FRACTIONS FINISHES ARE AS SHOWN OR SPECIFIED		SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.		S.O.F.S.A.			
DAAB07-92-Z-B506		W.B.H. 93-07-30 L.M. 93-08-08		MSOGS TUBING ASSEMBLY			
		D 7S976		LEX-13360			
		1/1		1 1			

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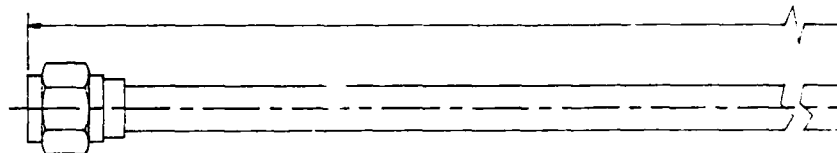
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NOTES:

1. INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. ALL BEND RADIUS PER MS33611

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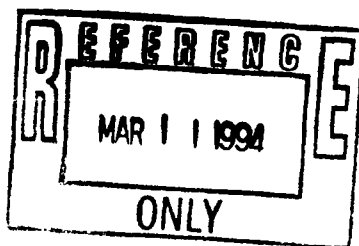
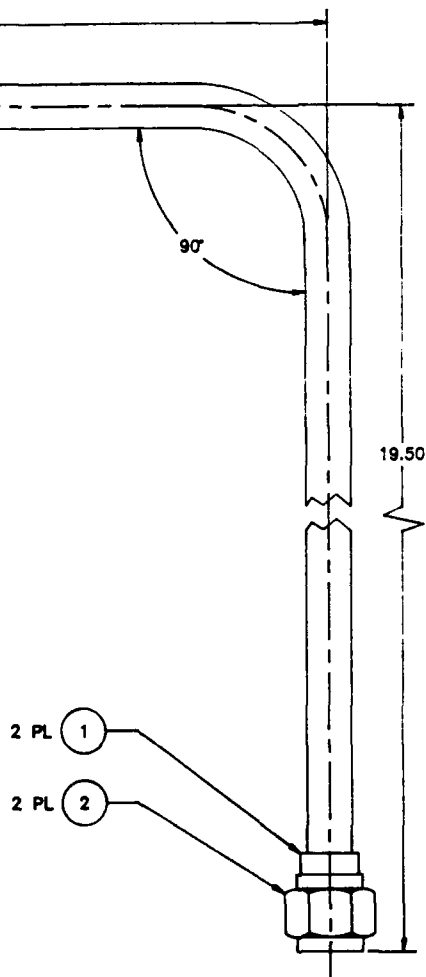
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-07-29	

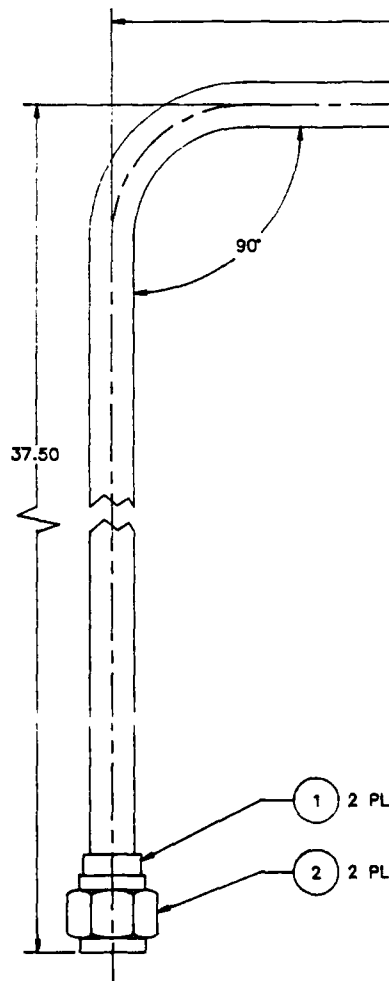
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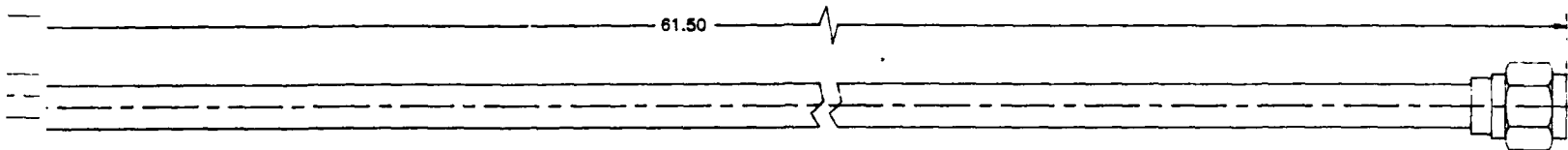
2		NUT		AN818-8D				2	
2		SLEEVE		MS20819-8D				1	
☒		MSOGS TUBING ASSY		LEX-13361	.375 ID x .063 WALL x 122.0 3003-H14 ALUMINUM TUBING				
QTY		DESCRIPTION		CODE	IDENTIFYING NO.	MATERIAL/SPECIFICATION		U/L	ZONE
PARTS LIST									
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS				DRAWING NO. DAAB07-92-Z-B506		SERV-AIR, INC. S.O.F.S.A. A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.			
				BY W.B.H. 93-07-30		MSOGS TUBING ASSEMBLY			
				CHK L.M. 93-08-08					
				D 7S976		LEX-13361			
				1/1		1 of 1			

NOTES:

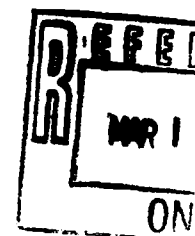
- 1: INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. ALL BEND RADIUS PER MS33611



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2		NUT		AN818-BD	
2		SLEEVE		MS20819-BD	
X		MSOGS TUBING ASSY		LEX-13362	375 ID x .03003-H14 /
	SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	MATERIAL

SYN		NOMENCLATURE		CODE IDENT		IDENTIFYING NO.		MATERIAL	
QUANTITY REQUIRED PER DASH NO						PARTS LIST			

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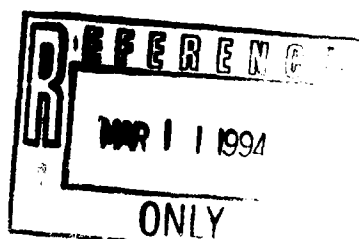
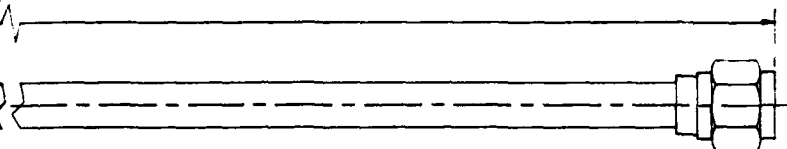
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-07-29	

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2	NUT		AN818-BD			2
2	SLEEVE		MS20819-BD			1
X	MSOGS TUBING ASSY		LEX-13362	.375 ID x .063 WALL x 100.0 3003-H14 ALUMINUM TUBING		
SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE

PARTS LIST

UNLESS OTHERWISE SPECIFIED

CONTRACT NO.

SERV-AIR, INC.

S.O.F.S.A.

DANBURY 0042-0000

A SUBSIDIARY OF E-SYSTEMS, INC. LEAD

W.S.H. 93-07-30

L.M. 93-08-09

MSOGS
TUBING
ASSEMBLY

D 7S976

LEX-13362

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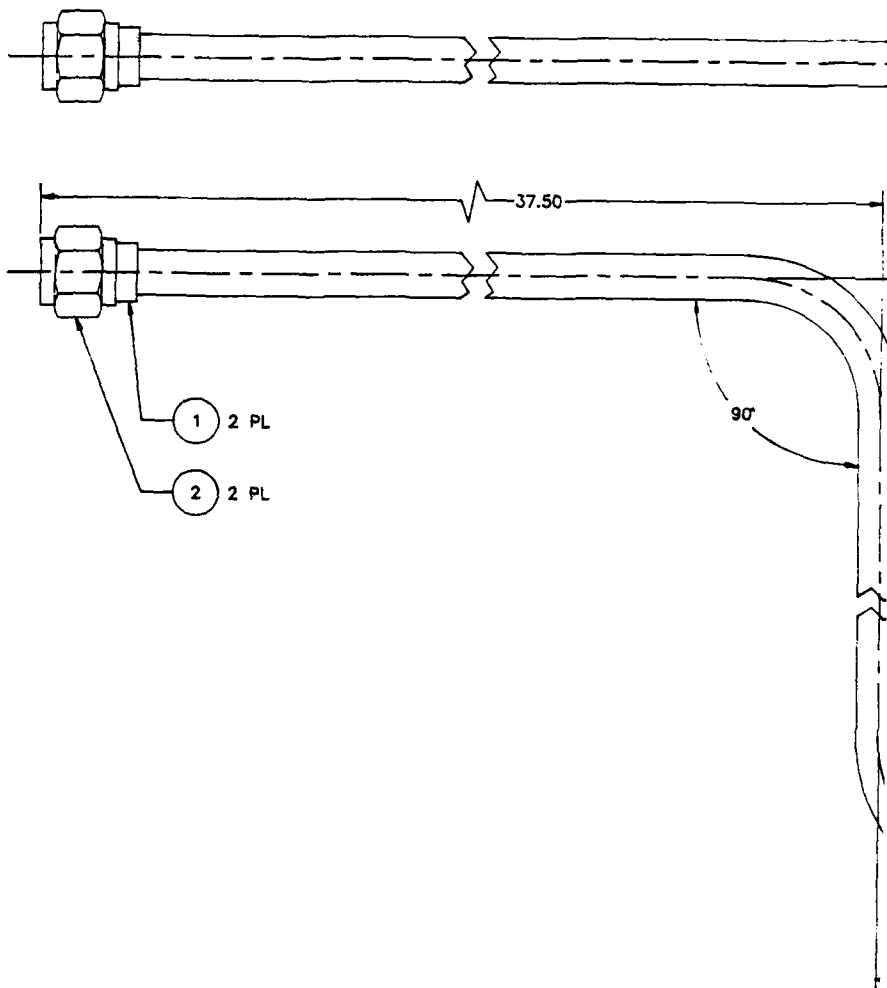
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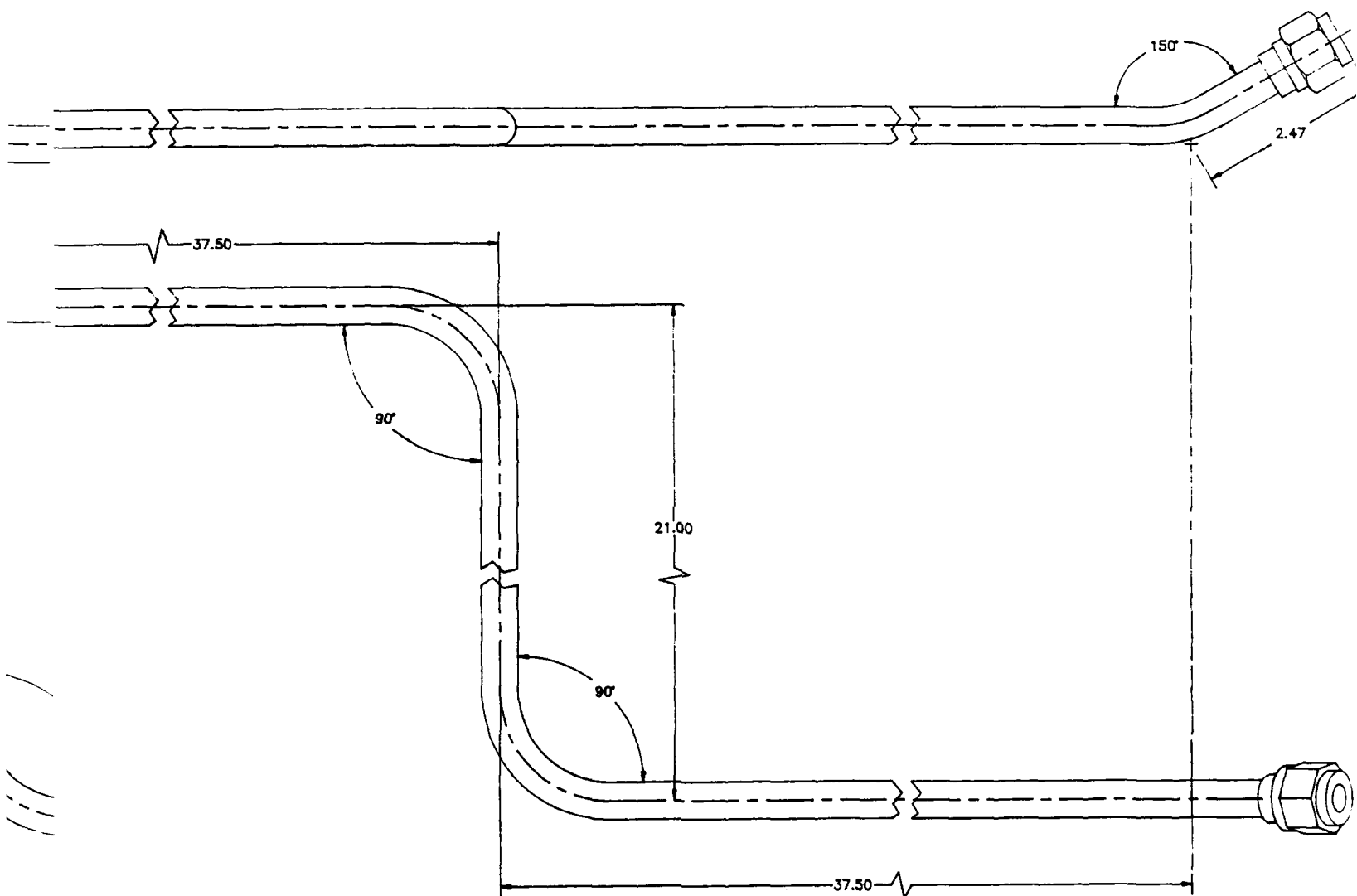
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NOTES:

- 1: INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. ALL BEND RADIUS PER MS33611



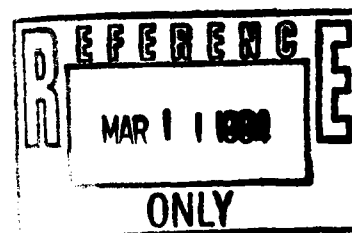
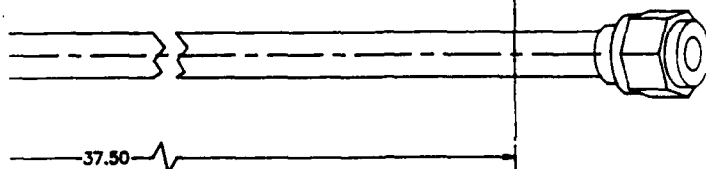
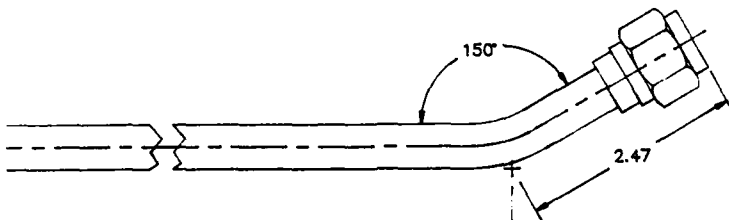


2	NUT	AN818-80
2	SLEEVE	MS20819-80
X	MSCGS TUBING ASSY	LEX-13363

QUANTITY REQUIRED PER DASH NO		SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.
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		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR FEET-INCHES			DAAB07-92-Z-B506
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		2 3/4"	2 1/2"	2 1/2"	
		2 1/2"	2 3/4"	2 1/2"	
		2 3/4"	2 1/2"	2 1/2"	
		2 1/2"	2 3/4"	2 1/2"	
		2 3/4"	2 1/2"	2 1/2"	
		2 1/2"	2 3/4"	2 1/2"	
		2 3/4"	2 1/2"	2 1/2"	
		2 1/2"	2 3/4"	2 1/2"	
		2 3/4"	2 1/2"	2 1/2"	
		2 1/2"	2 3/4"	2 1/2"	
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		2 1/2"	2 3/4"	2 1/2"	
		2 3/4"	2 1/2"	2 1/2"	
		2 1/2"	2 3/4"	2 1/2"	
		2 3/4"	2 1/2"	2 1/2"	
		2 1/2"	2 3/4"	2 1/2"	
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		2 1/2"	2 3/4"	2 1/2"	
		2 3/4"	2 1/2"	2 1/2"	
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		2 3/4"	2 1/2"	2 1/2"	
		2 1/2"	2 3/4"	2 1/2"	
		2 3/4"	2 1/2"	2 1/2"	
		2 1/2"	2 3/4"	2 1/2"	
		2 3/4"	2 1/2"	2 1/2"	
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REVISIONS			DATE	APPROVED
ZONE	REV	DESCRIPTION		
		CAD GENERATED	93-07-29	

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2	NUT	AN818-80			2
2	SLEEVE	MS20819-80			1
	MSOGS TUBING ASSY	LEX-13363	.375 ID x .063 WALL x 98.0 3003-H14 ALUMINUM TUBING		

QUANTITY REQUIRED PER DASH NO		PARTS LIST			
SERV-AIR, INC. S.O.F.S.A. A SUBSIDIARY OF E-SYSTEMS, INC. LBAD LEX, KY.		DAAB07-92-Z-B506			
W.B.H. 93-07-30 L.M. 93-08-08		MSOGS TUBING ASSEMBLY			
D 7S976		LEX-13363			
APPLICATION		1/1			

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NOTES:

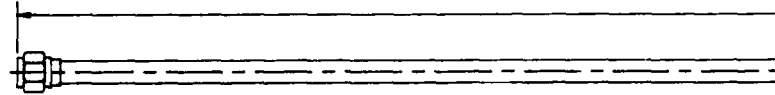
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AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. ALL BEND RADIUS PER MS33611

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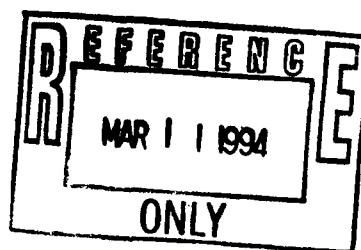
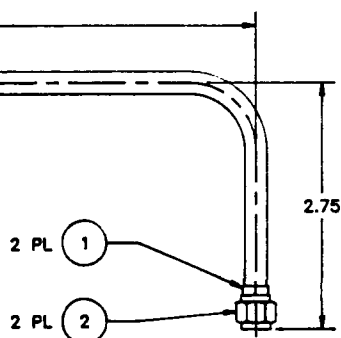
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REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-07-30	

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2		NUT		AN818-40				2
2		SLEEVE		MS20819-40				1
		MSOGS TUBING ASSY		LEX-13364	.1875 ID x .025 WALL x 22.5 304 CRES SS TUBING			
	SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE	QTY

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR FEET-DECIMALS		DRAWING NO. DAAB07-92-Z-B508		SERV-AIR, INC. A SUBSIDIARY OF E-SYSTEMS, INC. LBAD LEX, KY.	
PREPARED BY DESIGNED BY CHECKED BY APPROVED BY		DATE 83-07-30 83-08-08		MSOGS TUBING ASSY	
PART NO. D 7S976		QTY 1		PART NO. LEX-13364	
QTY 1		QTY 1		QTY 1	

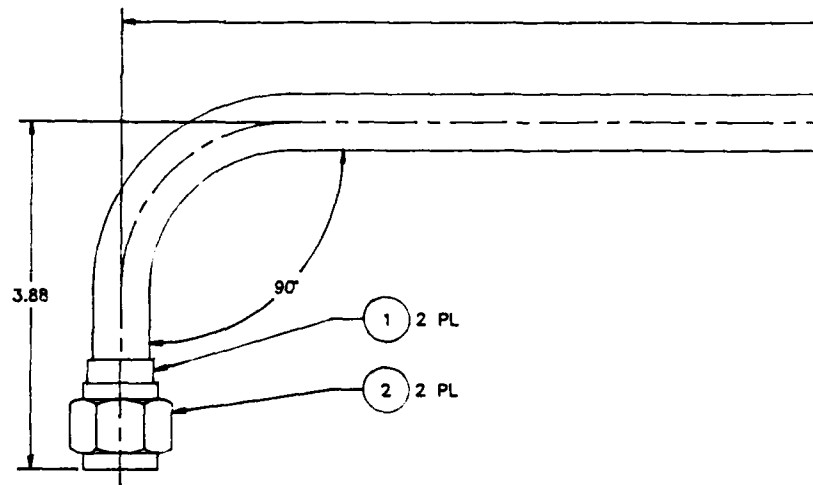
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NOTES:

- 1: INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
- 2: INTERPRET ABBREVIATIONS PER MIL-STD-12
- 3: REMOVE BURRS AND BREAK ALL SHARP EDGES
- 4: MARK PARTS PER MIL-STD-130
- 5: DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
- 6: ALL BEND RADIUS PER MS33611



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ZONE	REV	DESCRIPTION
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2	NUT	AN818-100	
2	SLEEVE	MS20819-100	
X	MSOGS TUBING ASSY	LEX-13365	.50 ID 3003-+

SYM	REMARKS	CODE IDENT	IDENTIFYING NO.	U
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QUANTITY REQUIRED PER DASH NO

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-FRACTIONS OR DECIMALS 1/8" 3/16" 1/4" 5/16" 3/8" 1/2" 5/8" 3/4" 7/8" 1"	DAAB07-92-Z-B506	SER A SUB
	W.B.H. 93-07-30	
	L.M. 93-08-08	
LEX-13365	UH-600	
APPLICATION		

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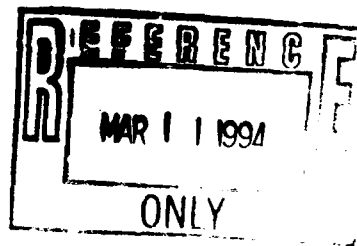
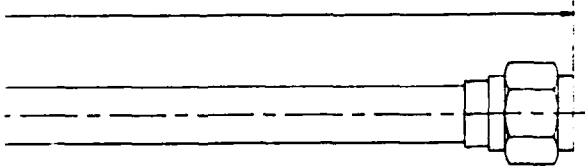
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-07-30	

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2	NUT	AN818-100			2
2	SLEEVE	MS20819-100			1
☒	MSOGS TUBING ASSY	LEX-13365	.50 ID x .063 WALL x 24.8 3003-H14 ALUMINUM TUBING		
SYM	DESCRIPTION	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M ZONE

ASH NO

PARTS LIST

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OF E-SY
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR FEET-DECIMALS 1/8" 3/16" 1/4" 5/16" 3/8" 7/16" 1/2" 5/8" 3/4" 7/8" 1"		DAA807-92-Z-B508 W.B.H. 93-07-30 L.M. 93-08-08		SERV-AIR, INC. S.O.F.S.A. A SUBSIDIARY OF E-SYSTEMS, INC. LBAD LEX, KY. MSOGS TUBING ASSEMBLY	
		D 7S976		LEX-13365	
		1/1		1 of 1	

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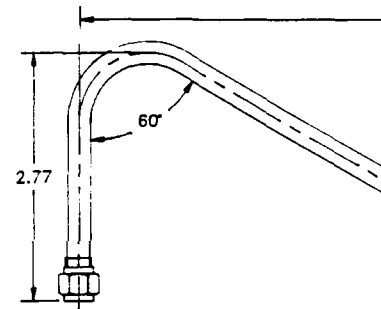
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AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. ALL BEND RADIUS PER MS33611

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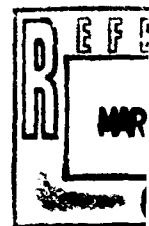
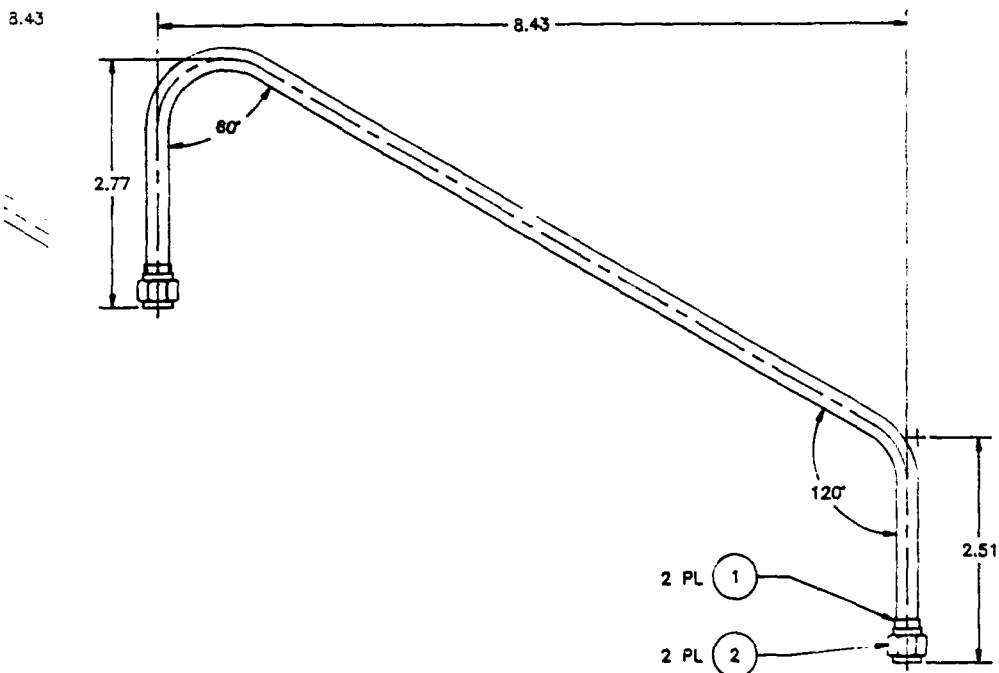


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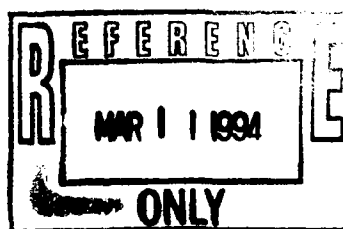
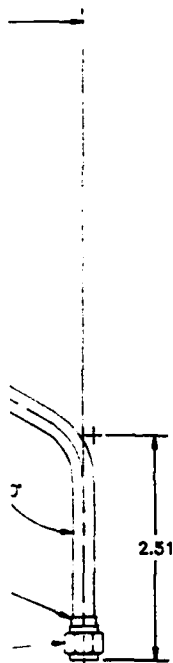


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2	SLEEVE	MS20819-40	
X	MSOGS TUBING ASSY	LEX-13368	.1875 304 C

			SYM			NOMENCLATURE			CODE IDENT			IDENTIFYING NO.												
QUANTITY REQUIRED PER DASH NO												PARTS LIST												
													UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR FRACTIONS						DAAB07-92-Z-B506 W.B.H. 83-07-29 L.M. 83-08-08 <					

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REVISIONS			
ZONE	REV	DESCRIPTION	DATE
		CAD GENERATED	93-07-29

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2		NUT		AN818-40				2
2		SLEEVE		MS20819-40				1
		MSOGS TUBING ASSY		LEX-13366	.1875 ID x .025 WALL x 15.71 304 CRES SS TUBING			
QTY	REMARKS	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE	REV	

125 WALL
SS TUB

1/2 SPECIFICATION

AIR,
Y OF E-

MSOGS
TUBING
ASSEMBLY

UN-924

APPLICATION

PARTS LIST

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES-DECIMALS
FRACTIONS
A 1/8 1/4 3/8 1/2 5/8 3/4 7/8 1 1 1/4 1 1/2 1 3/4 2 2 1/4 2 1/2 3 3 1/4 3 1/2 4 4 1/4 4 1/2 5 5 1/4 5 1/2 6 6 1/4 6 1/2 7 7 1/4 7 1/2 8 8 1/4 8 1/2 9 9 1/4 9 1/2 10 10 1/4 10 1/2 11 11 1/4 11 1/2 12 12 1/4 12 1/2 14 14 1/4 14 1/2 16 16 1/4 16 1/2 18 18 1/4 18 1/2 20 20 1/4 20 1/2 22 22 1/4 22 1/2 24 24 1/4 24 1/2 26 26 1/4 26 1/2 28 28 1/4 28 1/2 30 30 1/4 30 1/2 32 32 1/4 32 1/2 34 34 1/4 34 1/2 36 36 1/4 36 1/2 38 38 1/4 38 1/2 40 40 1/4 40 1/2 42 42 1/4 42 1/2 44 44 1/4 44 1/2 46 46 1/4 46 1/2 48 48 1/4 48 1/2 50 50 1/4 50 1/2 52 52 1/4 52 1/2 54 54 1/4 54 1/2 56 56 1/4 56 1/2 58 58 1/4 58 1/2 60 60 1/4 60 1/2 62 62 1/4 62 1/2 64 64 1/4 64 1/2 66 66 1/4 66 1/2 68 68 1/4 68 1/2 70 70 1/4 70 1/2 72 72 1/4 72 1/2 74 74 1/4 74 1/2 76 76 1/4 76 1/2 78 78 1/4 78 1/2 80 80 1/4 80 1/2 82 82 1/4 82 1/2 84 84 1/4 84 1/2 86 86 1/4 86 1/2 88 88 1/4 88 1/2 90 90 1/4 90 1/2 92 92 1/4 92 1/2 94 94 1/4 94 1/2 96 96 1/4 96 1/2 98 98 1/4 98 1/2 100 100 1/4 100 1/2 102 102 1/4 102 1/2 104 104 1/4 104 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1/2 406 406 1/4 406 1/2 408 408 1/4 408 1/2 410 410 1/4 410 1/2 412 412 1/4 412 1/2 414 414 1/4 414 1/2 416 416 1/4 416 1/2 418 418 1/4 418 1/2 420 420 1/4 420 1/2 422 422 1/4 422 1/2 424 424 1/4 424 1/2 426 426 1/4 426 1/2 428 428 1/4 428 1/2 430 430 1/4 430 1/2 432 432 1/4 432 1/2 434 434 1/4 434 1/2 436 436 1/4 436 1/2 438 438 1/4 438 1/2 440 440 1/4 440 1/2 442 442 1/4 442 1/2 444 444 1/4 444 1/2 446 446 1/4 446 1/2 448 448 1/4 448 1/2 450 450 1/4 450 1/2 452 452 1/4 452 1/2 454 454 1/4 454 1/2 456 456 1/4 456 1/2 458 458 1/4 458 1/2 460 460 1/4 460 1/2 462 462 1/4 462 1/2 464 464 1/4 464 1/2 466 466 1/4 466 1/2 468 468 1/4 468 1/2 470 470 1/4 470 1/2 472 472 1/4 472 1/2 474 474 1/4 474 1/2 476 476 1/4 476 1/2 478 478 1/4 478 1/2 480 480 1/4 480 1/2 482 482 1/4 482 1/2 484 484 1/4 484 1/2 486 486 1/4 486 1/2 488 488 1/4 488 1/2 490 490 1/4 490 1/2 492 492 1/4 492 1/2 494 494 1/4 494 1/2 496 496 1/4 496 1/2 498 498 1/4 498 1/2 500 500 1/4 500 1/2 502 502 1/4 502 1/2 504 504 1/4 504 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DAAB07-92-Z-B508

W.B.H. 93-07-29
L.M. 93-08-09

SERV-AIR, INC. S.O.F.S.A.
A SUBSIDIARY OF E-SYSTEMS, INC. LBAD LEX, KY.

MSOGS
TUBING
ASSEMBLY

D 7S976

LEX-13366

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1 of 1

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NOTES:

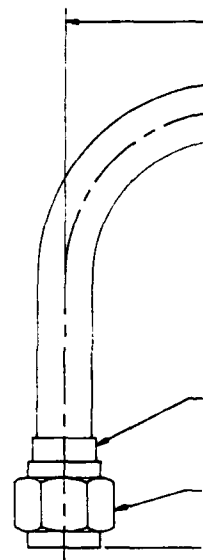
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AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. ALL BEND RADIUS PER MS33811

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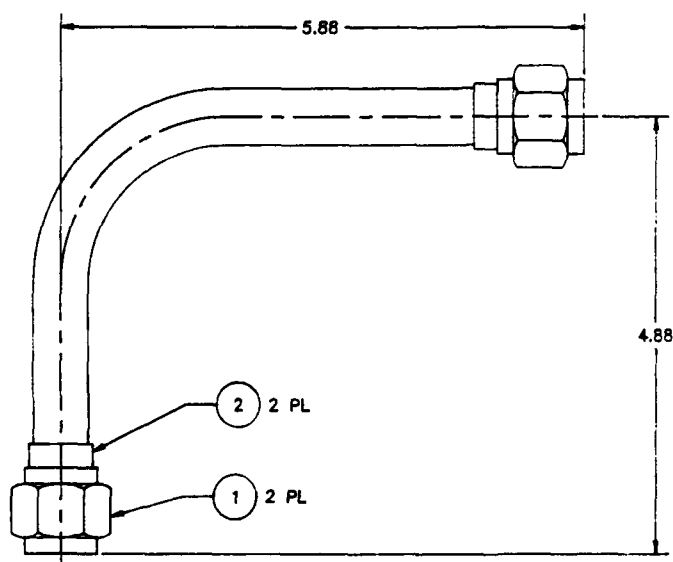
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1 2 PL

2		NUT		AN818-10D
2		SLEEVE		MS20819-10D
X		MSOGS TUBING ASSY		LEX-13367

2	SLEEVE	MS20819-100
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X	MSOGS TUBING ASSY	LEX-13367
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					SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.
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QUANTITY REQUIRED PER DASH NO	PART
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FORM NO. 10 (Rev. 1-60)	UFX-1386	UM-609	D
	APPLICATION	USED IN	

COUNTY OF _____ STATE OF _____	FILE NO. _____	CASE NO. _____
	APPLICATION	

REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION	
		CAD GENERATED	93-07-29

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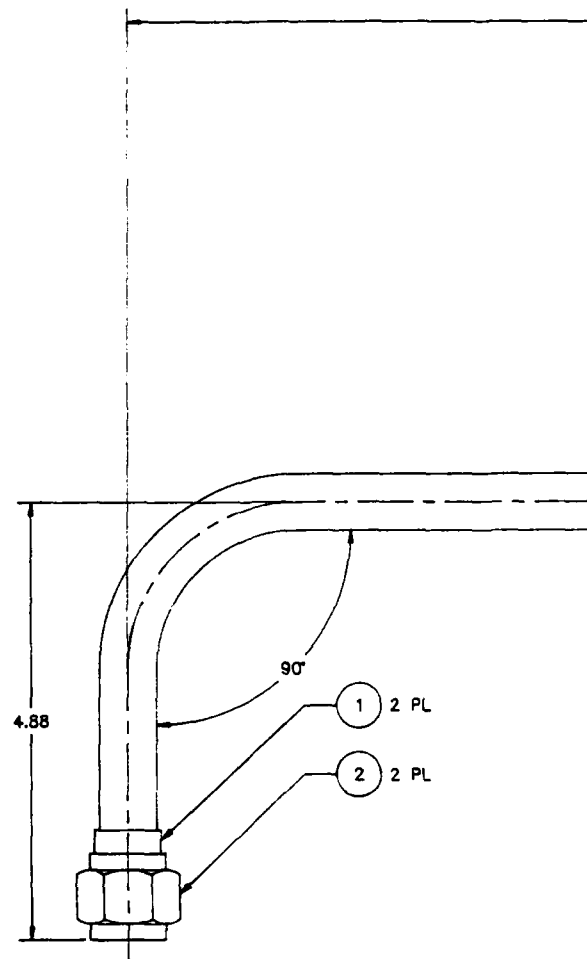
REFERENCE
MAR 11 1991
ONLY

	2	NUT		AN818-10D			2
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MATER	QTY	NOMENCLATURE	CAGE IDENT	IDENTIFYING NO.	MATERIAL SPECIFICATION	U/N	ZONE
T	DASH NO	PARTS LIST					
SERV-	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - FRACTIONS OR DECIMALS		SERIAL NO. DAAB07-92-Z-B506		SERV-AIR, INC. S.O.F.S.A. A SUBSIDIARY OF E-SYSTEMS, INC. LBAD LEX, KY.		
A SUBSIDIARY	FRACTIONS 1/8 3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8		BY W.B.H. 83-07-29 CHK L.M. 83-08-09 CNC		MSOGS TUBING ASSEMBLY		
					D 7S976 LEX-13367		
\$976	E-800				1/1 1 = 1		

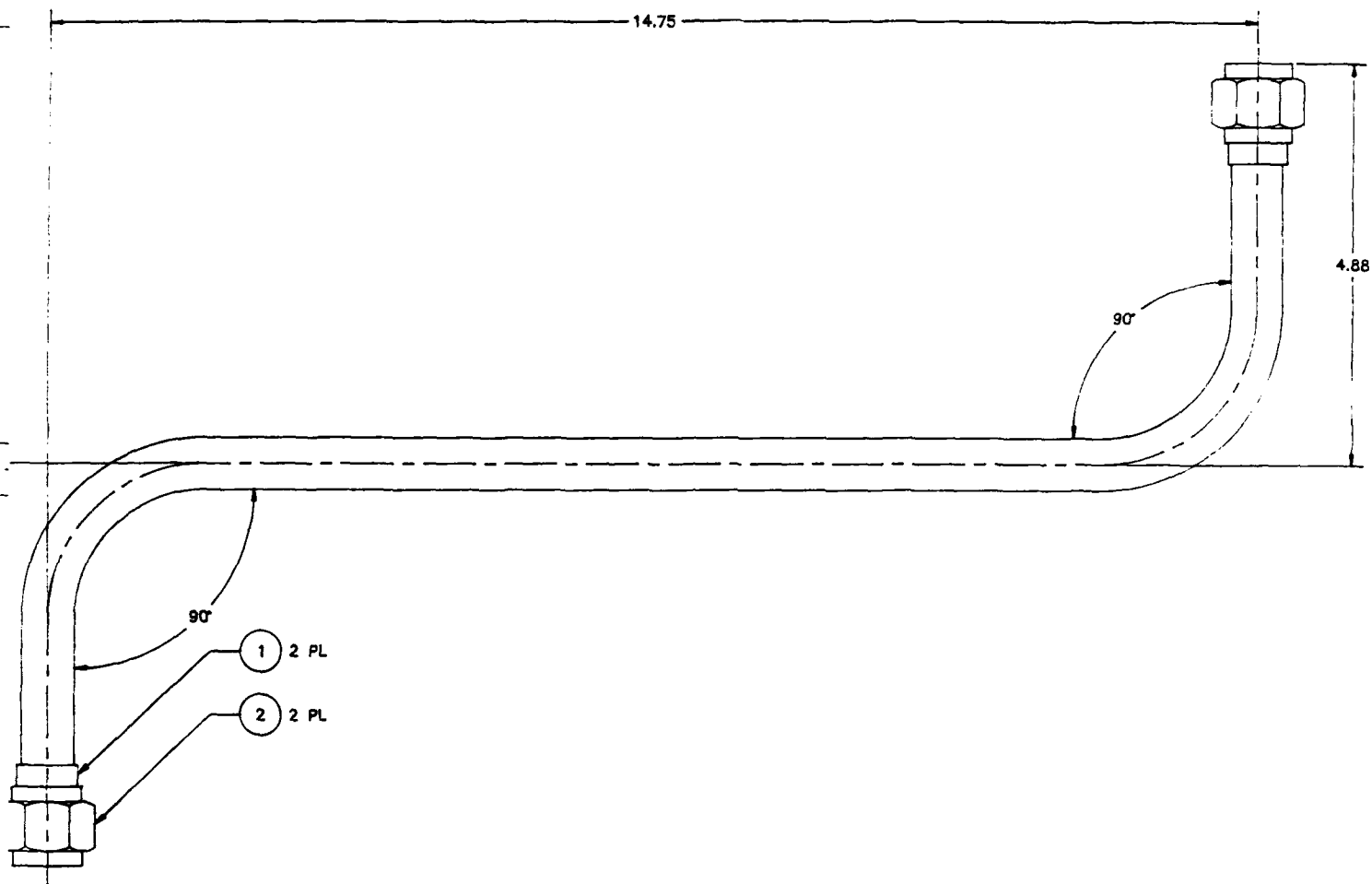
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NOTES:

1. INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. ALL BEND RADIUS PER MS33611



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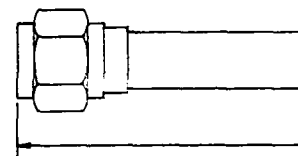


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QUANTITY REQUIRED PER DASH NO						PA		

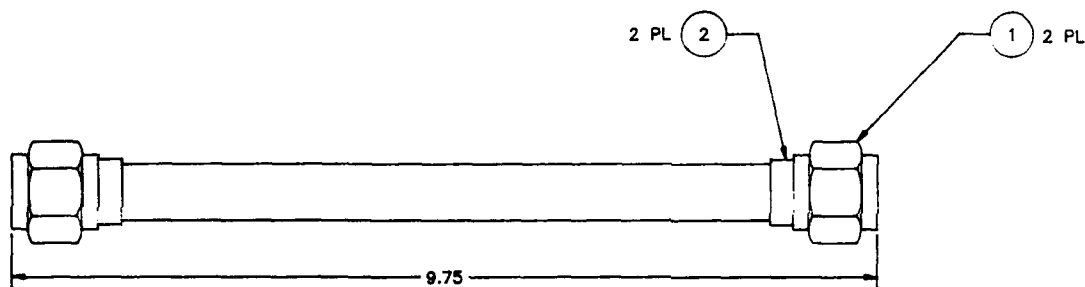
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NOTES:

1. INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. ALL BEND RADIUS PER MS33611



ZONE	REV	
		CAD GENERATED



2		NUT		AN818-10D
2		SLEEVE		MS20819-10D
X		MSOGS TUBING ASSY		LEX-13370

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REVISIONS					
ZONE	REV	DESCRIPTION	DATE	APPROVED	
		CAD GENERATED	93-07-29		

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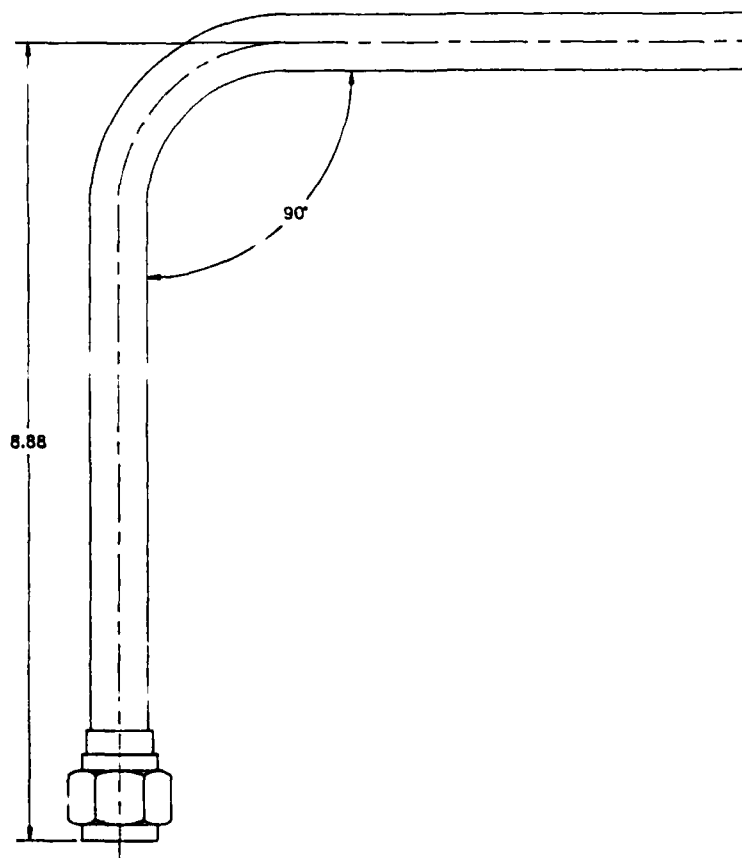
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MAR 1 1994
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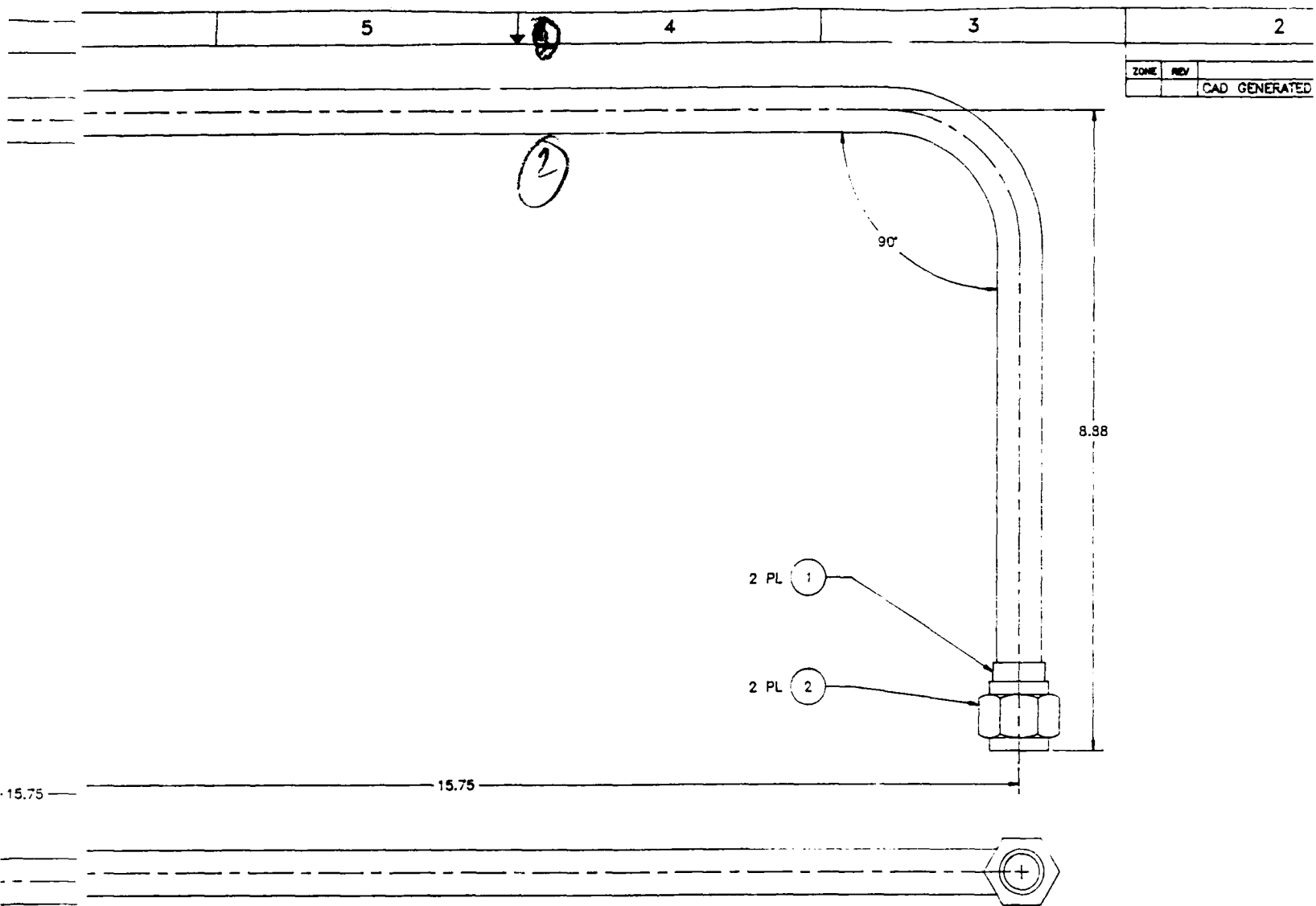
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	SLEEVE		MS20819-100			1
x .063 WA 14 ALUMINU	MSOGS TUBING ASSY		LEX-13370	.50 ID x .063 WALL x 9.75 3003-H14 ALUMINUM TUBING		

V-AIR, INC.		DAAB07-92-Z-B506		SERV-AIR, INC.		S.O.F.S.A.	
SUBSIDIARY OF E-SYSTEMS, INC.				A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEO, KY.			
MSOGS TUBING ASSEMBLY		W.B.H. 93-07-29		MSOGS TUBING ASSEMBLY			
		L.M. 93-08-09					
				D 7S976		LEX-13369	
				1/1		1 of 1	

NOTES:

1. INTERPRET DRAWING PER MIL-T-31000
AND MIL-STD-100
2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. ALL BEND RADIUS PER MS33611





2	NUT	AN818-100
2	SLEEVE	MS20819-100
X	MSOGS TUBING ASSY	LEX-13370

						SYM		NOMENCLATURE		CODE IDENT		IDENTIFYING NO.			
QUANTITY REQUIRED PER DASH NO						PARTS									
						UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-DECIMALS OR FRACTIONS						DRAWING NO.			
						2 IN						3/4 5/8 1/2 3/8 3/16		DAAB07-92-Z-B506	
														REV. W.B.H. 93-07-29	
														REV. L.M. 93-08-09	
														REV.	
LEX-13389		UH-800													
PART NO.		REV. NO.													
APPLICATION															

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REVISIONS

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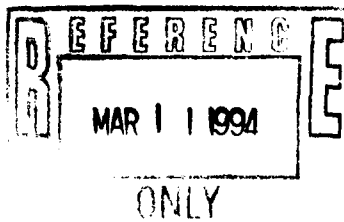
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2	NUT		AN818-100			2
2	SLEEVE		MS20819-100			1
X	MSOGS TUBING ASSY		LEX-13370	.50 ID x .063 WALL x 35.5 3003-H14 ALUMINUM TUBING		
SYM	NOMENCLATURE	CODE IDENT	IDENTIFYING NO.	MATERIAL/SPECIFICATION	U/M	ZONE

QUANTITY REQUIRED PER DASH NO

PARTS LIST

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES-FRACTIONS AND
DECIMALS

DRAWING NO.

DAAB07-92-Z-B506

DATE

SERV-AIR, INC.

S.O.F.S.A.

A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.

BY W.B.H.

93-07-29

CHK L.M.

93-08-08

DATE

MSOGS
TUBING
ASSEMBLY

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LEX-13370

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LEX-13370 UH-60H
NEW ASSEMBLY

APPLICATION

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NOTES:

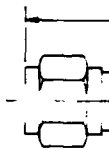
1. INTERPRET DRAWING PER MIL-T-31000
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2. INTERPRET ABBREVIATIONS PER MIL-STD-12
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
4. MARK PARTS PER MIL-STD-130
5. DIMENSIONING AND TOLERANCING PER
ANSI Y14.5, 1982
6. ALL ~~BED~~ RADIUS PER MS33611

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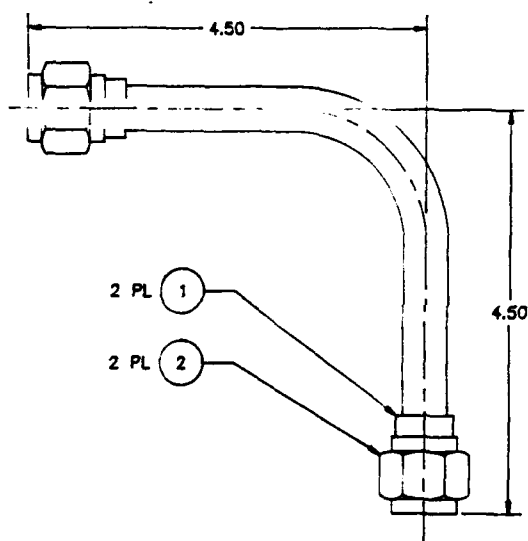
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
		CAD GENERATED	93-07-29	

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REFERENCE
MAR 11 1994
ONLY

ID x .063
-H14 ALL
MATERIAL

2	NUT	AN818-80			2
2	SLEEVE	MS20819-80			1
X	MSOGS TUBING ASSY	LEX-13371	.375 ID x .063 WALL x 10.0 3003-H14 ALUMINUM TUBING		

RV-A
SUBSIDIARY

76

PARTS LIST

USING ORIGINALLY SPECIFIED
MATERIAL AS A REFERENCE ONLY

DAAB07-92-Z-B506

SERV-AIR, INC. S.O.F.S.A.
A SUBSIDIARY OF E-SYSTEMS, INC. LEAD LEX, KY.

W.B.M. 93-07-30
L.M. 93-08-09

MSOGS
TUBING
ASSEMBLY

D7S976

LEX-13371

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