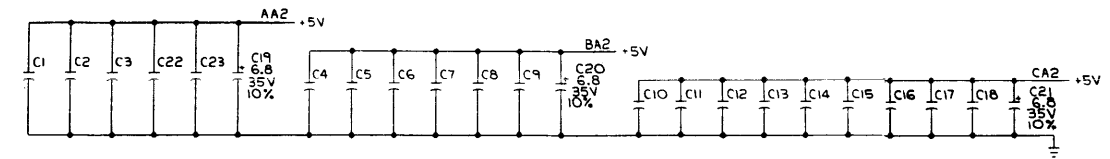


NOTES:  
 1. UNLESS OTHERWISE NOTED:  
 RESISTORS = 1K 1/4W 5%  
 DIODES .01UF 100V 20%  
 CAPACITORS = D664  
 ICS = DEC 7474

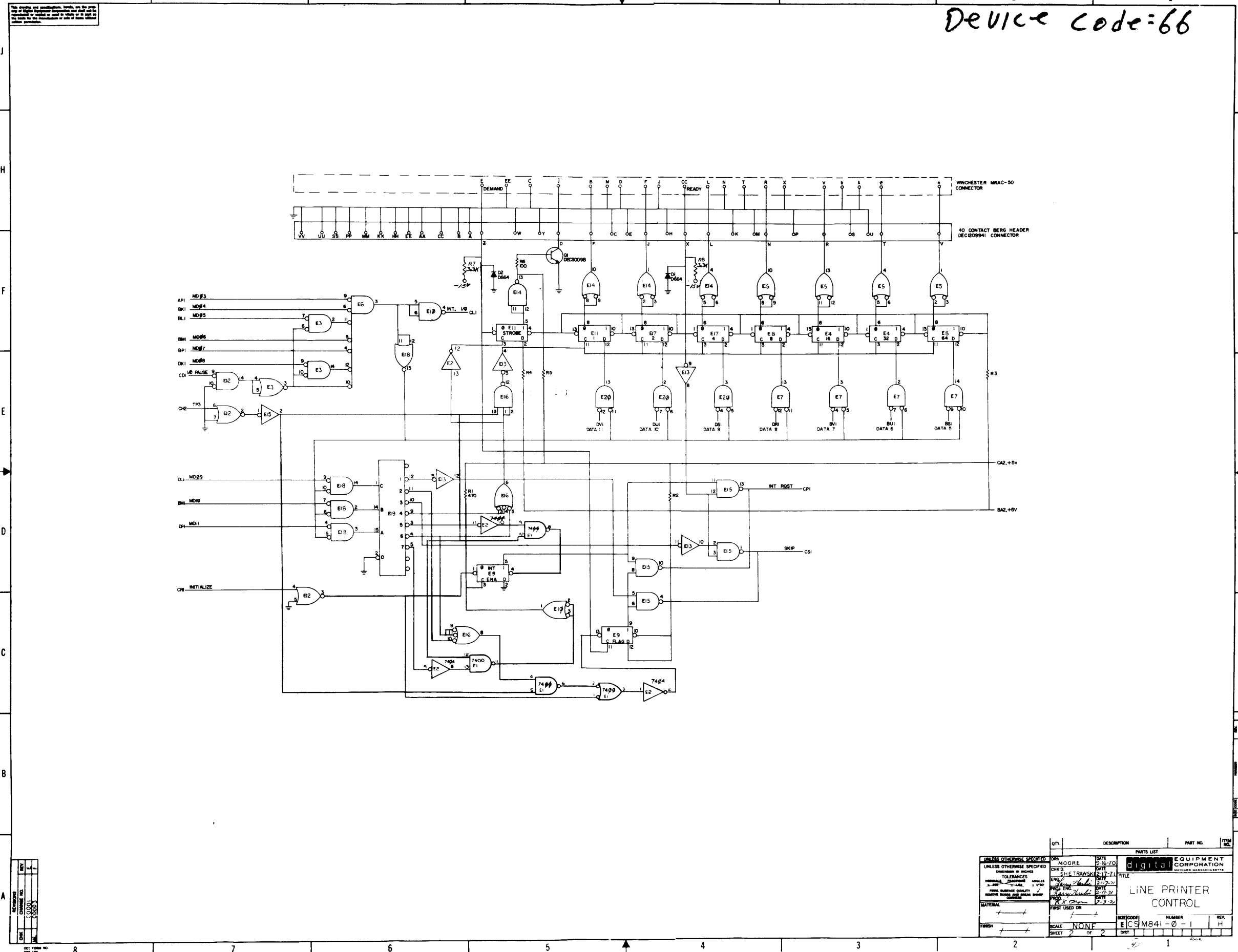
DEC 8251	8	16
DEC 314	1	8
DEC 380	1	8
IC TYPE	QND	+5V
QND AND QV ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPT WHERE STATED ABOVE		
IC PIN LOCATIONS	JUMPER LIST	
ITEM NO	AWG	FROM PT TO PT



2	R7, R8	RES 3.3K 1/4W 5%	1300439	25
1	E19	IC DEC 7400	1905575	24
2	E1, E13	IC DEC 7400	1905575	23
1	E4	IC DEC 314	1909704	22
2	E11, E20	IC DEC 7404	1909686	20
1	E17	IC DEC 8251	1909594	19
4	E15, E10, E18, E18	IC DEC 380	1909485	18
2	E3, E12	IC DEC 7401	1908840	17
1	E14	IC DEC 7410	1908576	16
4	E2, E6, E7, E9, E15	IC DEC 7474	1908547	15
1	Q1	TRANSISTOR DEC 3009B	1908100	14
1	E2	RES 470 1/4W 5%	1300316	13
4	R1, R3, E4, E5	RES 1K 1/4W 5%	1300348	12
1	E8	RES 100 1/4W 5%	1300279	11
1	D1, D2	DIODE 1N4148	1100114	10
20	C1-C18, C22, C23	CAP .01UF 100V 20% DISC	1001610	9
3	C19-C21	CAP 6.8UF 35V 10%	1005306	8
4		WIRE (CABLE CLAMP)	1202104	7
8		STRIP 68-11 STIMPSON	9006780	6
4		HANDLE TAB CHIP-MOUNT	9006337-06	5
1		ETCHED CIRCUIT BOARD	8006814	4
1		MODULE HISTORY LIST	8-MH-M41-4-3	3
1		ASSY/DRILLING HOLE LAYOUT	8-AH-M41-2-2	2
1		X-Y COORDINATE HOLE LOC.	8-CO-M41-2-1	1

3009-B	243646
D664	1N3606
DEC NO.	EIA NO.
SEMICONDUCTOR CONVERSION CHART	
EQUIPMENT CORPORATION	
LINE PRINTER CONTROL	
ECS M841-0-1	
SHEET 1 OF 2	

Device Code=66



QTY.	DESCRIPTION	PART NO.	REV.
	UNLESS OTHERWISE SPECIFIED		
	MOORE	DATE 9-16-70	
	SHE TRAWSKI	DATE 2-17-71	
	ENG.	DATE 12-27-71	
	PROG. ENG.	DATE 12-27-71	
	TEST	DATE 12-27-71	
	FIRST USED ON		
	SCALE NONE		
	SHEET 2 OF 2		
		NUMBER	REV.
		ECSM841-0-1	H

EXTENSION	DATE	BY
1000		
1001		
1002		
1003		
1004		
1005		
1006		
1007		
1008		
1009		
1010		

ECSM841-0-1

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION										
<b>PARTS LIST</b>					LE8-FA	LE8-FB	LE8-HA	LE8-HB	LE8-JA	LE8-JB	LE8-KA	LE8-KB			
MADE BY	L. NARHI	CHECKED	K. GULICK	SECTION											
DATE	3-5-71	DATE	3-5-71	1											
ENG	<i>Larry Stark</i>	PROD	<i>Larry Taylor</i>	ISSUED SECT.											
DATE	3-5-71	DATE	3/5/71	1											
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION													
1	E-UA-LP01-FA-0	LINE PRINTER 80 COL 64 CHAR 60 HZ			1	-	-	-	-	-	-	-			
2	E-UA-LP01-FB-0	LINE PRINTER 80 COL 64 CHAR 50 HZ			-	1	-	-	-	-	-	-			
3	E-UA-LP01-HA-0	LINE PRINTER 80 COL 96 CHAR 60 HZ			-	-	1	-	-	-	-	-			
4	E-UA-LP01-HB-0	LINE PRINTER 80 COL 96 CHAR 50 HZ			-	-	-	1	-	-	-	-			
5	E-UA-LP02-JA-0	LINE PRINTER 132 COL 64 CHAR 60 HZ			-	-	-	-	1	-	-	-			
6	E-UA-LP02-JB-0	LINE PRINTER 132 COL 64 CHAR 50 HZ			-	-	-	-	-	1	-	-			
7	E-UA-LP02-KA-0	LINE PRINTER 132 COL 96 CHAR 60 HZ			-	-	-	-	-	-	1	-			
8	E-UA-LP02-KB-0	LINE PRINTER 132 COL 96 CHAR 50 HZ			-	-	-	-	-	-	-	1			
9	E-CS-M841-0-1	LINE PRINTER INTERFACE			1	1	1	1	1	1	1	1			
10	D-UA-7006964-0-0	CONTROL CABLE			1	1	1	1	1	1	1	1			
TITLE				ASSY NO.	SIZE	CODE	NUMBER				REV.	ECO NO.			
LINE PRINTER CONTROL				NONE	A	PL	LE8-0-0								
SHEET 1 OF 1				DIST.											

DEC FORM NO.16-1031  
DRA 110

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DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						
ENGINEERING SPECIFICATION				DATE 8-17-70		
TITLE LE8-XX Line Printer Inteface to the PDP-8/E						
REVISIONS						
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

ENG	APPD	SIZE	CODE	NUMBER	REV
Larry Narhi	<i>Larry Narhi</i>	A	SP	LE8-Ø-1	

DEC FORM NO. DRA 107

SHEET 1 OF 3

ENGINEERING SPECIFICATION	CONTINUATION SHEET
TITLE LE8-XX Line Printer Interface to the PDP-8/E	
<p>1. OVERALL DESCRIPTION</p> <p>The LE8 is an interface to several models of the Data Products Line Printer to the PDP-8/E computer. The logic is designed entirely of TTL integrated circuits for low cost and high speed.</p> <p>2. GENERAL SPECIFICATIONS</p> <p>2.1 The basic option consists of:</p> <p style="padding-left: 40px;">One M841 control card and One 80 column, 64 character line printer.</p> <p style="padding-left: 40px;">Its designation is LE8-FA.</p> <p>2.2 Options to the basic control and line printer are:</p> <p style="padding-left: 40px;">LE8-FB 80 column, 64 characters 50 Hz. LE8-HA 80 column, 96 characters 60 Hz. LE8-HB 80 column, 96 characters 50 Hz. LE8-JA 132 column, 64 characters 60 Hz. LE8-JB 132 column, 64 characters 50 Hz. LE8-KA 132 column, 96 characters 60 Hz. LE8-KB 132 column, 96 characters 50 Hz.</p> <p>2.3 The interface is contained on one 8½" Quad Board whose pins are defined by the 8E bus.</p> <p>2.4 Temperature limits:</p> <p style="padding-left: 40px;">32 F to 155° F Relative Humidity: 0 to 95% non-condensing Power Required: 650 MA at +5 volts.</p>	

	SIZE	CODE	NUMBER	REV
	A	SP	LE8-Ø-1	

DEC FORM NO 16-1022  
DRA 108

SHEET 2 OF 3

TITLE LE8-XX Line Printer Interface to the PDP-8/E

3. PROGRAMMING

3.1 IOT coding is as follows:

Mnemonic	IOT	Function
PSKF	6661	Skip if Flag = 1
PCLF	6662	Clear Flag
PSKE	6663	Skip on Error or Not Ready
PSTB	6664	Strobe, Load Buffer
PSIE	6665	Set Interrupt Enable
PCLF, PSTB	6666	Clear Flag, Load Character
PCIE	6667	Clear Interrupt Enable

Note: Initialize Resets Interrupt Enable, to disable interrupts.

3.2 There are no maintenance instructions.

3.3 The line printer uses the standard ASCII character set. The least significant bit appears in AC bit 11.

3.4 There are no operator controls on the control board. Operator controls on the printer are:

- Top of Form - Advances paper to top of form
- Paper Step - Advances paper one line at a time, disabled on line.
- On line/Off line - Selects mode of operation
- Master Clear - Initializes printer to insure proper state of electronic elements.
- Print Inhibit - Check out switch for hammers.

SIZE	CODE	NUMBER	REV
A	SP	LE8-0.1	

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DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						
ENGINEERING SPECIFICATION					DATE 2/25/71	
TITLE LE8 TEST PROCEDURE						
REVISIONS						
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE

ENG	APPD	SIZE	CODE	NUMBER	REV
Larry Sparkie	BT	A	SP	LE8-0-2	

DEC FORM NO. DRA 107

SHEET 1 OF 3

ENGINEERING SPECIFICATION			CONTINUATION SHEET	
TITLE LE8 TEST PROCEDURE				
1.0 EQUIPMENT				
1.1 PDP8/E standard 1.2 Heat box 1.3 453 scope and voltage probes 1.4 Teletype 1.5 M841 module and 7006964 cable 1.6 Line printer types: LE8-FA/FB 64 Char/80 Col. LE8-HA/FB 96 Char/80 Col. LE8-JA/JB 64 Char/132 Col. LE8-KA/KB 96 Char/132 Col.				
NOTE: XA/XB means 60/50 HZ respectively.				
1.7 Box of line printer paper: 80 Col - 9 7/8 x 11 inches				
1.8 High speed reader PR8/e. 132 Col - 14 7/8 x 11 inches				
2.0 TEST STATION SET UP				
2.1 Check paperwork in the envelope making sure it is complete as required by DEC Standard # 101.				
2.1.1 Test and inspection record.				
2.1.2 Key sheet and ECO status sheet will contain both CS and etch revision.				
2.1.3 Quality Control inspection report.				
2.1.4 PDP8/E progress report (inserted at this time).				
2.2 Insert the M841 module in the Omnibus per "Recommended Module Assignment List" (ASP-PDP8-E-0-4).				
2.3 Connect the 7006964 cable between the J1 connector on the M841 module and the line printer.				
2.4 After observing line printer model designation letters (50 or 60 HZ) plug in power cord accordingly.				
2.5 Turn on PDP8E power.				
3.0 LOADING PROCEDURE				
3.1 Deposit rim loader (high speed) in PDP8E per PDP8E instruction card.				
3.2 Load binary loader using starting address of 7756 .				
3.3 Load diagnostic MAINDEC-8E-D2BB using starting address of 7777.				
4.0 LE8 CHECKOUT				
4.1 Load paper in line printer.				
4.2 Power down the line printer, if on.				
4.3 Consult diagnostic write-up for correct program and/or operator action, starting addresses, and register switch settings.				
4.4 Operating times for the following tests:				
<u>TEST NO.</u>			<u>RUN TIME</u>	
1 Preliminary Test			2 Pass	
2 Single Char. all col.			2 Passes	
3 Rotating Pattern			2 Passes	
4 Wedge Pattern			2 Passes	
4.5 Tests 5 thru 7 are used for line printer alignment and adjustment only.				

ENG	APPD	SIZE	CODE	NUMBER	REV
		A	SP	LE8-0-2	

DEC FORM NO 16-1022  
DRA 108

SHEET 2 OF 3

**ENGINEERING SPECIFICATION**

CONTINUATION SHEET

TITLE LE8 TEST PROCEDURE

4.6 Printouts should be viewed for clarity and character alignment using sample LP01/LP02 printouts for reference. Include a sample from the LE8 test in the option envelop.

## 5.0 HEAT TEST

5.1 Heat test is to be run after successful completion of all previously indicated tests.

5.2 Run Tests 2, 3, and 4 with register switch 4 in the "UP" position for 5 minutes with the heat box down, ports closed and heat off. Load per loading procedure step 3.0

5.3 Raise the heat switch on the test station panel and once the indicator light goes off run the tests indicated, refer to 5.2 for 10 minutes.

5.4 Turn the heat switch off and open the two ports on the left side of the heat box.

5.5 Allow 15 minutes for the machine to cool before removing the heat box.

5.6 Terminate the test once the machine has run for 5 minutes at room temperature.

5.7 Power down line printer and PDP8E.

## 6.0 FINAL OPERATION AND INSPECTION

6.1 Disconnect the M841 module from the PDP8E and the cable between the M841 module and the line printer.

6.2 Check that the following paperwork has been completed:

Envelope  
ECO Status Sheet  
QC Sheet  
S/E Progress Report

SIZE	CODE	NUMBER	REV
A	SP	LE8-0-2	

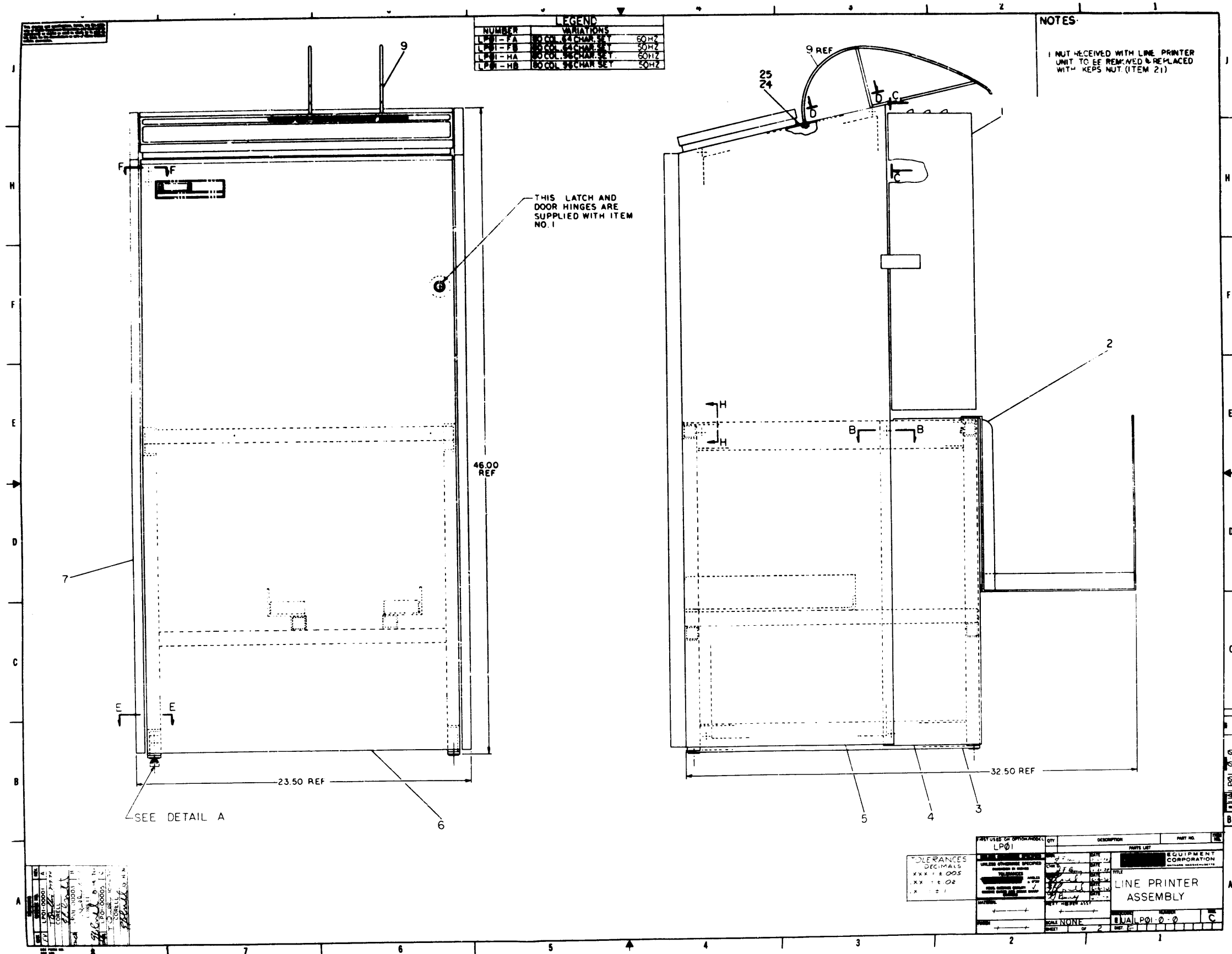


# MASTER DRAWING LIST

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DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE
E-UA-LPØ1-Ø-Ø	C	2	LINE PRINTER ASSEMBLY
A-PL-LPØ1-Ø-Ø	C	2	LINE PRINTER ASSEMBLY
A-SL-LPØ1-0-1		1	SOFTWARE LIST
A-SP-LPØ1-0-2		2	TEST PROCEDURE
D-AD-7505037-0-0	D	1	LPØ1 FRAME TO SKID
A-PL-7505037-0-0	D	1	LPØ1 FRAME TO SKID
A-PI-3700016-0-0			LINE PRINTER PACKAGING INSTRUCTIONS
A-PI-3700015-0-0			LINE PRINTER PACKAGING INSTRUCTIONS

REVISIONS				DRN.		DATE		<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
REV.	DATE	CHG. NO.	APP'D.	J. FLEMING	5/29/70	J. FLEMING	5/29/70	
A	6/70	00001	E.C.	DATE 6-4-70		TITLE		
B	7/70	00002	J.L.	DATE 6-4-70				
C	7/70	00003	E.C.	DATE 6-4-70				
D	7/70	00004	J.L.	DATE 6-4-70				
E	10/70	00005	E.C.	DATE 6-4-X				
FIRST USED ON				SIZE	CODE	NUMBER	REV.	
SCALE				A	ML	LPØ1-Ø	Ø	
SHEET OF				DIST.				



**LEGEND**

NUMBER	VARIATIONS
LP01 - FA	160 COL. SECHAN SET 60HZ
LP01 - FB	160 COL. SECHAN SET 50HZ
LP01 - HA	160 COL. SECHAN SET 60HZ
LP01 - HB	160 COL. SECHAN SET 50HZ

**NOTES**

1 NUT RECEIVED WITH LINE PRINTER UNIT TO BE REMOVED & REPLACED WITH KEPS NUT (ITEM 21)

THIS LATCH AND DOOR HINGES ARE SUPPLIED WITH ITEM NO. 1

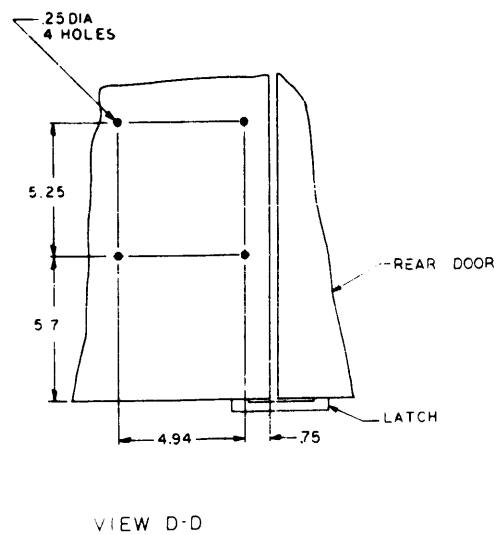
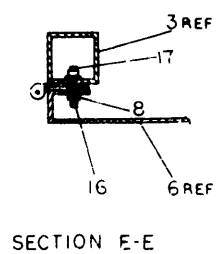
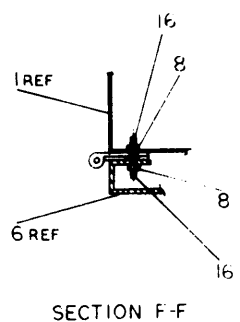
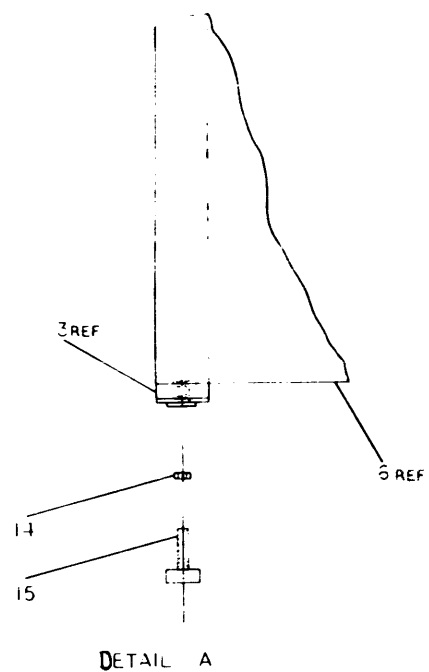
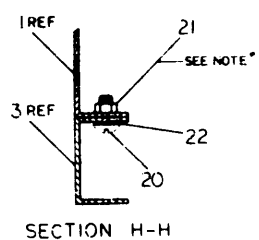
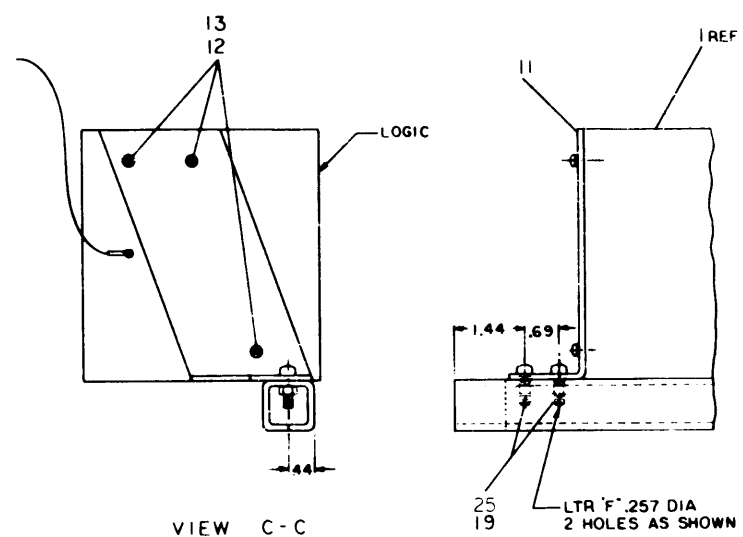
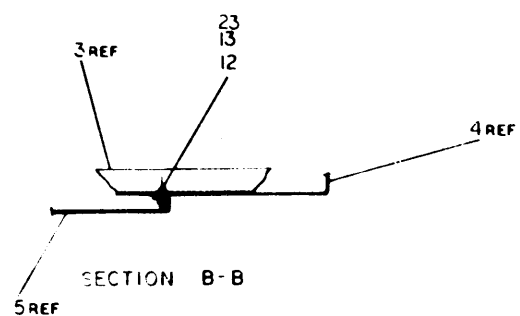
SEE DETAIL A

TOLERANCES  
 DECIMALS  
 XX.X ± .005  
 XX.X ± .02  
 X ± .1

REV	DATE	DESCRIPTION	BY	CHKD
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

PART NO. LP01  
 EQUIPMENT CORPORATION  
**LINE PRINTER ASSEMBLY**  
 PART NO. LP01-0-0  
 REV. 10

REV	DATE	DESCRIPTION	BY	CHKD
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				



QTY	DESCRIPTION	PART NO.
1	LINE PRINTER ASSEMBLY	
EQUIPMENT CORPORATION		
SCALE	NONE	DATE
1/2		1967
DRAWN BY		CHECKED BY
DUAL		
PART		
PAGE		

**DIGITAL EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS

**PARTS LIST**

MADE BY P. MILAN  
DATE 5-19-70  
ENG E. P. CORRELL  
DATE 6-4-70

CHECKED J. FLEMING  
DATE 5-21-70  
PROD G. BUNDY  
DATE 6-4-70

SECTION  
ISSUED SECT.

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	LP01-FA	LP01-FB	LP01-HA	LP01-HB	QUANTITY / VARIATION
1	3009766	LP 80 COL 64 CHAR SET 60 HZ	1				
1	3009767	LP 80 COL 64 CHAR SET 50 HZ		1			
1	3009768	LP 80 COL 96 CHAR SET 60 HZ			1		
1	3009769	LP 80 COL 96 CHAR SET 50 HZ				1	
2	E-1A-7407815-0-0	CATCH, PAPER		1	1	1	
3	D-AD-7505037-0-0	FRAME, LP01 TO SKID		1	1	1	
4	D-1A-7407814-0-0	COVER REAR		1	1	1	
5	D-1A-7407813-2-0	PANEL, SIDE (RH)		1	1	1	
6	E-1A-7407812-0-0	DOOR, FRONT		1	1	1	
7	D-1A-7407813-1-0	PANEL, SIDE (LH)		1	1	1	
8	9006560	NUT, KEPS #6-32 SST		8	8	8	
9	D-1A-7407840-0-0	GUIDE PAPER		1	1	1	
10	<del>9007828</del>	<del>RIV NUT #10-32 B.F.F. GOODRICH 810-130</del>		<del>2</del>	<del>2</del>	<del>2</del>	
11	C-MD-7407845-0-0	BRACKET, LOGIC SUPPORT		1	1	1	
12	9006022-1	SCR PHL HD PAN #6-32 X .38 LG SST		15	15	15	
13	9006633	WASH INT TOOTH #6		15	15	15	
14	9006568	NUT KEPS 5/16-18 SST		4	4	4	
15	9007601	LEVELER, FOOT #FB2724 OHIO NUT + ECLT		4	4	4	
16	9006021-2	SCR. PHL HD FLAT #6-32 X .31 LG SST		6	6	6	
17	9006024-2	SCR PHL HS FLAT #6-32 X .50 LG SST		2	2	2	
18	<del>9007651</del>	<del>WASH, EXT TOOTH #10</del>		<del>2</del>	<del>2</del>	<del>2</del>	
19	9006074-1	SCR PHL HD PAN #10-32 X.62 LG SST		2	2	2	

TITLE  
LINE PRINTER ASSY

ASSY NO.  
E-UA-LP01-0-0

SIZE CODE  
**A PL**

NUMBER  
LP01-0-0

SHEET 1 OF 2

DIST. G

REV. ECO NO.  
C LP01-0-0

DEC FORM NO.  
DRA 110

**DIGITAL EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS

**PARTS LIST**

MADE BY P. MILAN  
DATE 5-19-70  
ENG E. B. CORRELL  
DATE 6-4-70

CHECKED J. FLEMING  
DATE 5-21-70  
PROD G. BUNDY  
DATE 6-4-70

SECTION  
ISSUED SECT.

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	LP01-FA	LP01-FB	LP01-HA	LP01-HB	QUANTITY / VARIATION
20	9006057-3	SCR TRUSS HD 1/2-20 X .62 LG SST		4	4	4	
21	9007880	NUT KEPS 1/2-20		4	4	4	
22	9006724	WASH EXT TOOTH 1/4		4	4	4	
23	9006653	WASH FLAT #6		12	12	12	
24	9006829	SPACER 1/2 AF X 3/8 LG #10 HOLE		4	4	4	
25	9006565	NUT, KEPS #10-32		6	6	6	

TITLE  
LINE PRINTER ASSY

ASSY NO.  
E-UA-LP01-0-0

SIZE CODE  
**A PL**

NUMBER  
LP01-0-0

SHEET 2 OF 2

DIST. G

REV. ECO NO.  
C LP01-0-0

DEC FORM NO.  
DRA 110

DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

SOFTWARE LIST

LEGEND  
D DOCUMENT  
DN DOCUMENT CHANGE NOTICE  
PA PAPER TAPE ASCII  
PB PAPER TAPE BINARY  
PM PAPER TAPE READ-IN-MODE

QUANTITY / VARIATION

MADE BY DATE *M. J...* CHECKED DATE *J...* SECTION ISSUED SECT. *1/2*

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
1	3609829	1 Part Paper Moore Business # 201P
2	3609828	Ribbon, Line Printer 9" x 28 yards Eylon
3	None	Cleaning Kit

									KIT CHECK											
2																				
2																				
1																				

TITLE LP01 SOFTWARE KIT ASSY. NO. SIZE CODE A SL NUMBER LP01-0-1 REV. ECO NO SHEET OF DIST.

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DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						
ENGINEERING SPECIFICATION				DATE 8/27/70		
TITLE PRODUCTION TEST PROCEDURE FOR THE LP01 (DATA PRODUCTS 2310 LINE PRINTER)						
REVISIONS						
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
1.0	SCOPE					
	1.1 This specification outlines the procedure to be used for acceptance of the LP01 which has the following option designations:					
	1.1.1 LP01 FA					
	1.1.2 LP01 FB					
	1.1.3 LP01 HA					
	1.1.4 LP01 HB					
2.0	APPLICABLE DOCUMENTS					
	2.1 LP01 print set					
	2.2 LP08 print set					
	2.3 Digital Equipment Corporation "Standard Vibration Test on Flip Chip Systems" (Q.C. # 1022).					
	2.4 LP08 Line Printer Test, MAINDEC-8/I-D2AA					
	2.5 DEC Manual (LP08 Interface)					
	2.6 Data Products Line Printer Manual					
3.0	TEST EQUIPMENT					
	3.1 Any family of 8 computer					
	3.2 Teletype model 33 ASR					
	3.3 Moore Business Form # 911612 (6 part paper - 9 7/8" X 11")					
	3.4 Moore Business Form # 201B (1 part paper - 9 7/8" X 11")					
	3.5 Line Printer Control (7006716)					
	3.6 3 BC08 I/O Cables					
	3.7 Data Products Interface Cable (7006606)					
4.0	PROCEDURE (Using 1 part paper)					
	4.1 Turn main breaker off.					
	4.2 Attach interface cable and install ribbon.					
	4.2.1 Turn static eliminator on. (Newer model turns on automatically)					
	4.3 Place paper in printer so that it covers the hammers and the bottom paper out switch but not the top paper out switch.					

ENG <i>[Signature]</i>	APPD <i>[Signature]</i>	SIZE <b>A</b>	CODE SP	NUMBER LP01-0-2	REV
------------------------	-------------------------	------------------	------------	--------------------	-----

DEC FORM NO. DRA 107

SHEET 1 OF 2

ENGINEERING SPECIFICATION		digital	CONTINUATION SHEET		
TITLE PRODUCTION TEST PROCEDURE FOR THE LP01 (DATA PRODUCTS 2310 LINE PRINTER)					
	4.3.1	Turn breaker on, "READY" light should not turn on, and "PAPER FAULT" light should be lit.			
	4.4	Turn breaker off, and place paper in printer so that it covers the hammers and the top paper out switch, but not the bottom paper out switch.			
	4.4.1	Turn breaker on, "READY" light should not turn on, and "PAPER FAULT" light should be lit.			
	4.5	Open drum gate, remove paper; press "TOP OF FORM" switch and place in a continuous form (line up perforation with arrow).			
	4.5.1	If necessary, adjust right tractor for proper paper width and tension.			
	4.6	Close drum gate, "READY" should light within 15 seconds. Check "TOP OF FORM" and "PAPER STEP" switches for correct operation.			
	4.6.1	Press "ON LINE" switch. Check "TOP OF FORM" and "PAPER STEP" switch. Both switches should not operate.			
	4.6.2	Press "ON LINE" switch and "MASTER CLEAR" switch. Check "TOP OF FORM" and "PAPER STEP" switch. Both switches should operate.			
	4.7	Press "ON LINE" switch and start MAINDEC-8/I-D2AA, beginning with part 1 of test 1, while accomplishing 4.7.1.			
	4.7.1	Adjust vertical paper adjustment vernier with test running.			
	4.8	Stop diagnostic from running; press "PRINT INHIBIT" switch, press "ON LINE" switch, restart diagnostic from part 1 of test 1.			
	4.8.1	"PRINT INHIBIT" light should turn on and the diagnostic run as before. Continue for 1 minute.			
	4.8.2	Turn "PRINT INHIBIT" switch off, press "ON LINE" switch.			
	4.9	Run test 3 and vibrate modules to Digital Equipment Corporation specifications (Q.C. # 1022)			
	4.9.1	Check printout for errors.			
5.0	DURABILITY TEST				
	5.1	Excluding part 1 of test 1, run all parts of MAINDEC-8/I-D2AA for eight hours using single part paper at nominal line voltage of 115 volts for the 60 cycle printers, and 220 volts for the 50 cycle printers. Obtain a printout sample using both single part and six part paper.			
	5.2	Make sure right tractor is adjusted and set "NUMBER OF COPIES" lever to the correct position for the two types of paper being used.			
	5.3	Inspect all printout for errors.			

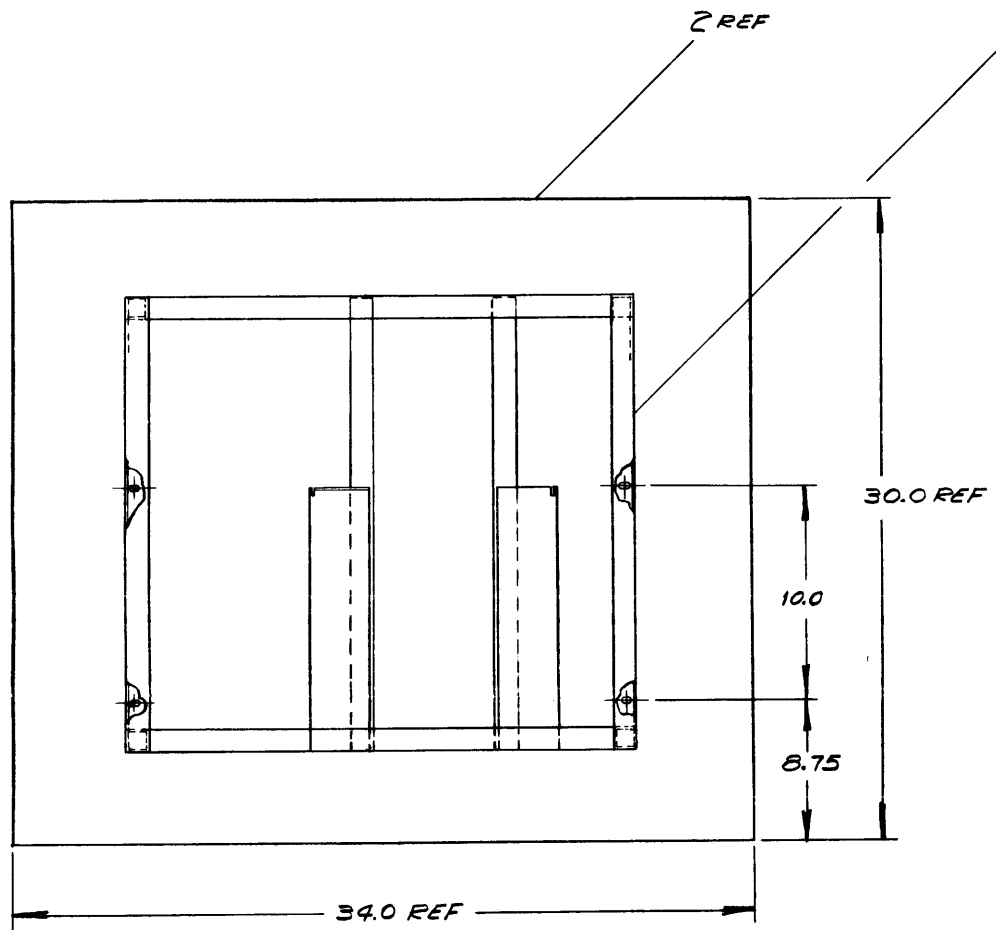
		SIZE <b>A</b>	CODE SP	NUMBER LP01-0-2	REV
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DEC FORM NO. DRA 108

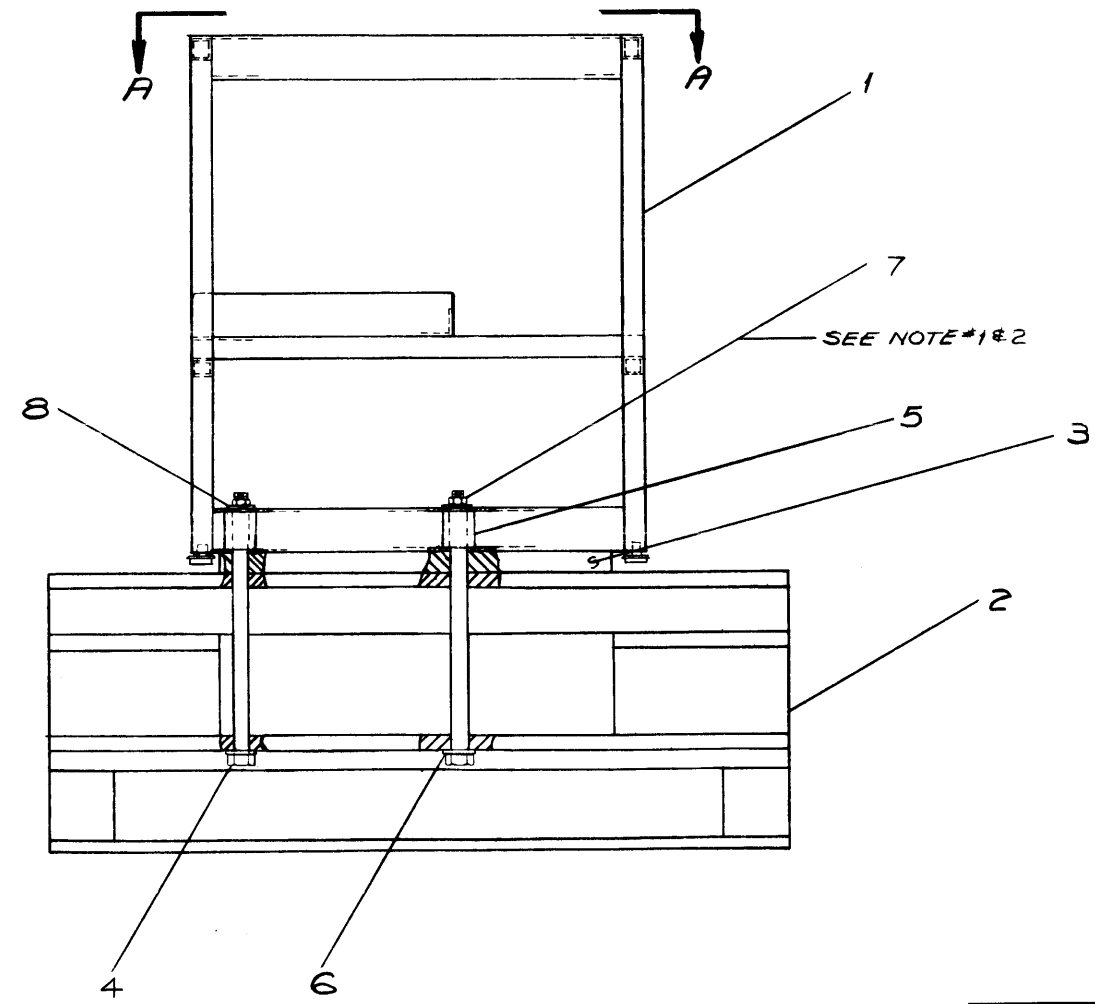
SHEET 2 OF 2

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**NOTES:**  
 1. TIGHTEN BOLTS UNTIL ETHAFOAM BLOCKS ARE COMPRESSED BY 1/16 OR 1/8 INCH  
 2. BOLT TO COME UP FROM BOTTOM WITH THREADS ON TOP SIDE OF FRAME.



VIEW A-A



CHK	CHANGE NO.	REV.
	LPO8-00010	A
		B
		C
		D

FIRST USED ON OPTION/MODEL  
 LPØ8

DO NOT SCALE DRAWING	
UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	
TOLERANCES	
DECIMALS	FRACTIONS
± .005	± 1/64
ANGLES	
± 0'30"	
FINAL SURFACE QUALITY	
REMOVE BURRS AND BREAK SHARP CORNERS	
MATERIAL	—H—
FINISH	—H—

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRW	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHKD	DATE	TITLE	
ENG.	DATE	LPØ1 FRAME TO SKID	
PROJ. ENG.	DATE	SIZE/CODE	NUMBER
PROD.	DATE	DAD	7505037-0-0
NEXT HIGHER ASSY		SCALE	REV
D-DI-LPØ8-Ø-1		1/4	D
SHEET	1 OF 1	DIST.	

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS <b>PARTS LIST</b>					QTY/VAR						
MADE BY J. DEVIN DATE 2-18-70		CHECKED V. DAMBRAUSKAS DATE 2-19-70		SECTION 1							
ENG J. W. LAWRENCE DATE 2-19-70		PROD <i>[Signature]</i> DATE 2/19/70		ISSUED SECT. 1							
ITEM NO.	DWG NO. / PART NO. CL BASIC VAR.	DESCRIPTION						UNIT COST	UNIT QUANTITY	QUANTITY ISSUED	
1	E-IA-7407811-0-0	FRAME, LPØ8			1						
2	C- IA- 7605824-0-0	SHIPPING SKID,			1						
3	C-MD-7408030-0-0	SUPPORT SLAT			2						
4	9008857	BOLT, HEX HD ¼-20 X 11.0 LG			4						
5	9008859	SPACER, ¾ O.D. X ¾ I.D. X 1 ¾ LG.			4						
6	9008858	WASH FLAT 1½ O.D. ¾ I.D. X 1/16 THK			4						
7	900 7897	NUT-NYLOK #¼-20 HEX			4						
8	9006646	WASH, FLAT ½ O.D. X 9/32 I.D. X 1/16 THK			4						
TITLE LPØ1 FRAME TO SKID				ASSY NO. D-AD-7505037-0-0	SIZE CODE <b>A PL</b>	NUMBER 7505037-0-0		R.V. D	ECO'D LPØ1 00.05		
SHEET 1 OF 1				DIST.							



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DIGITAL EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS				
PACKAGING INSTRUCTION			REV: _____	DATE: _____
TITLE Line Printer LP01			_____	_____
Material Requirements				
Quantity	Identification No.	Purchase Specification	Description	
1	17-340230025800-0	99-05021	Outer shipping carton	
4			Steel corner supports	
A/R			Tri-wall clips	
2			Straps	
Packaging Instructions				
Step	Procedure			
1.	If desired, temporarily nail two cleats to the shipping skid as shown in Figure 1.			
2.	Place the outer shipping carton over the Line Printer and let it rest on the cleats.			
3.	Fasten the shipping carton to the skid using Tri-wall clips, spaced approximately six inches apart.			
4.	Install four steel corner supports on top of the shipping carton and secure the carton to the skid by strapping the outer carton in two places.			
5.	Remove the two cleats.			
ENG	APPD	SIZE	CODE	NUMBER
J. W. Lawrence	J. W. Lawrence	A	PI	3700016-0-0

DEC 8-1031

SHEET 1 OF 2

PACKAGING INSTRUCTION		CONTINUATION SHEET	
TITLE Line Printer LP01			
Figure 1			
MI-0054			
J. W. Lawrence	J. W. Lawrence	SIZE	CODE NUMBER
A	PI	A	3700016-0-0

DEC 8-1031

SHEET 2 OF 2

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**DIGITAL EQUIPMENT CORPORATION  
MAYNARD MASSACHUSETTS**

**PACKAGING INSTRUCTION**

**TITLE** Line Printers 30-09766, 30-09767,  
30-09768 and 30-09769

**REV:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Material Requirements

<u>Quantity</u>	<u>Identification No.</u>	<u>Purchase Specifications</u>	<u>Description</u>
1		C-IA-7605824-0-0	Shipping skid
1	3-340230023400-0	9905022	Stitched sleeve and telescoping cap
4			1/4-20x8 lg. hex head bolts
4		9007897	1/4-20 Nylok hex nuts
4		9008858	1-1/2 O.D. 3/8 I.D. x 1/16 thick flat washer.
2			Steel corner support straps
A/R			Tri-wall clips

Packaging Instructions

<u>Step</u>	<u>Procedure</u>
1.	Secure the Line Printer to the skid using the four bolts, nuts, and washers as shown in Figure 1.
2.	Place the Stitched Sleeve as shown in Figure 2 and fasten it to the skid with Tri-wall clips placed approximately 6 inches apart from each other.
3.	Place the telescoping cap on the sleeve and strap it in two places using steel corner supports on the cap, as shown in Figure 2.

<b>ENG</b> W. Lawrence	<b>APPD</b> W. Lawrence	<b>SIZE</b> A	<b>CODE</b> P	<b>NUMBER</b> 3700015-0-0
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DEC 8-1031

SHEET 1 OF 2

**PACKAGING INSTRUCTION**

**CONTINUATION SHEET**

**TITLE** Line Printers 30-09766, 30-09767, 90-09768 and 30-09769

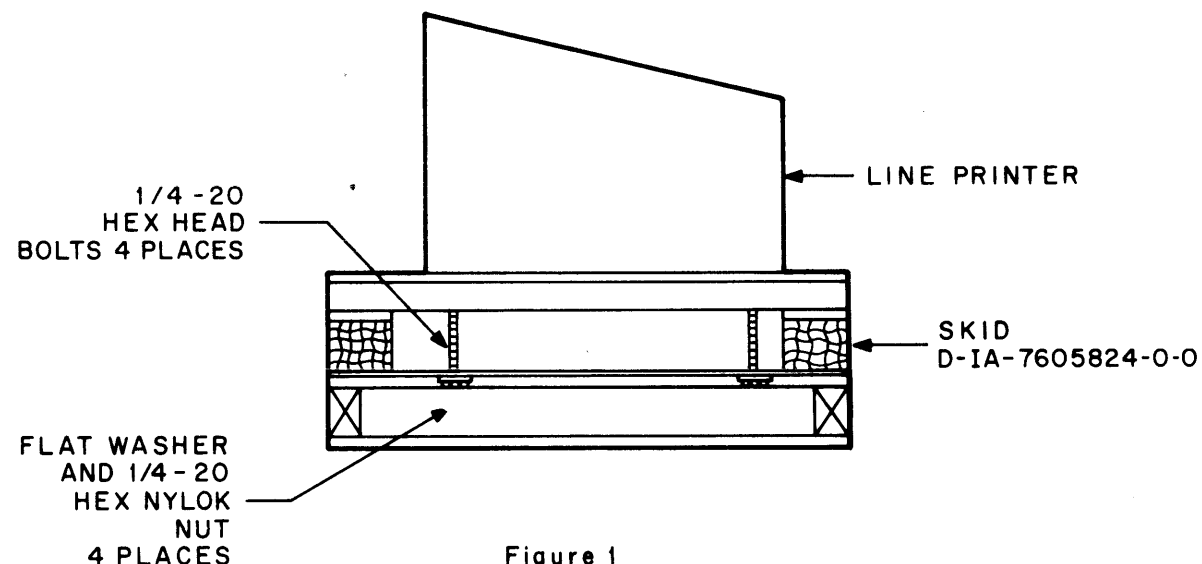


Figure 1

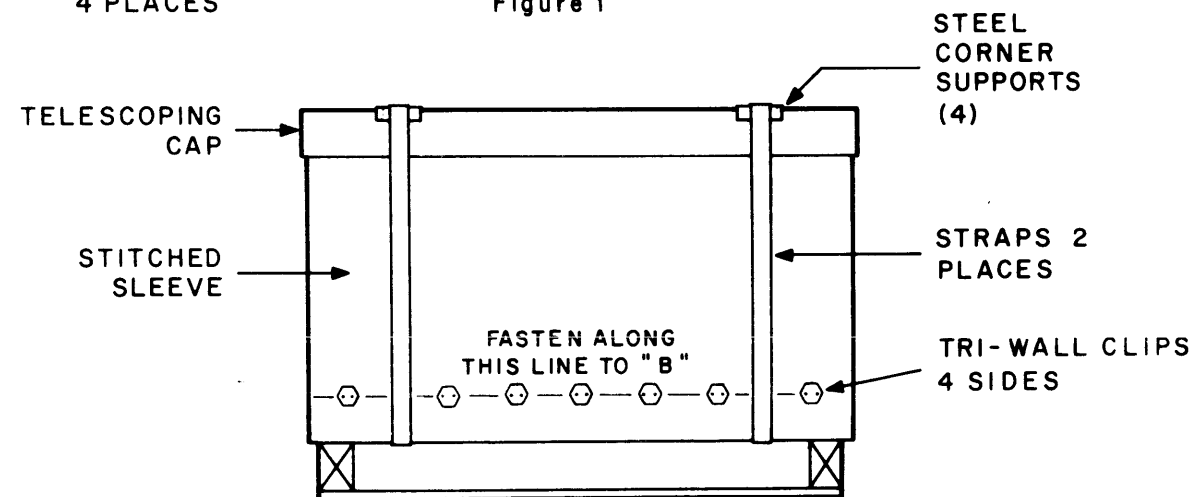


Figure 2

MI-0055

<b>ENG</b> W. Lawrence	<b>APPD</b> W. Lawrence	<b>SIZE</b> A	<b>CODE</b> P	<b>NUMBER</b> 37 00015-0-0
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DEC 8-1031

SHEET 2 OF 2