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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:02:34
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1505400

RV: 00 UM: EA

BUYR: PLB

DESC: DISK DRIVE HOUSING

RUN LT: 15 FIXED LT: 1

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M	UM	B
800	010	D1505401		DISK DRIVE HOUSING DETAIL MECH	X		1	0	EA	B
800	010	D1505402		DISK DRIVE HOUSING PARTS LIST	X		1	0	EA	M

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FOR MATERIAL REQUIREMENTS SEE PL

DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER		TITLE	
CHECKER			
CHECKER			
APPROVAL		SIZE A	ASSEMBLY NO. OF

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

14:25:21
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1506000

RV: 00

UM: EA

BUYR: PLB

DESC: PRODUCT LOGO

RUN LT: 0 FIXED LT: 1

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	C	T	Q	QUANTITY	M	UM	B	EFFECTIVITY	LT	SCR
											IN	OUT	OFFSET PCT
800		010	D1506001	X		1	0	EA	M		022590	123199	0 0.0

ILLEGAL COPY IF THIS NOTICE NOT PRINTED IN RED

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
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CHECKER			
CHECKER			
APPROVAL		SIZE A	ASSEMBLY NO. SHEET OF

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:02:36

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1507400

DESC: 3 UNIT FAN TRAY

RV: 00

UM: EA

RUN LT:

10 FIXED LT:

1

PLNR: JDM

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T U M B
02	010	M1509800		CABLE, POWER, TUBE AXIAL FAN	N		2 I	EA B
03	010	M1539000		CABLE, SO 16 GAUGE	N		1.8 I	FT B
04	010	M1531500		FAN TRAY, EMPTY	N		1 I	EA B
05	010	M1507300		FAN UNIT MOUNTING KIT	N		1 I	EA B
06	010	M1509000		FAN, TUBE AXIAL, 4.5"	N		3 I	EA B
07	010	M1534600		PLUG, EDISON, 220 V, NEMA-615	N		1 I	EA B
08	010	M1537000		SCREW, MACHINE, 1/4" X 3/4"	X		.04 I	C B
09	010	M1540100		NUT, 1/4"	X		.04 I	C B
10	010	M1536800		WASHER, FLAT, 1/4"	X		.04 I	C B
11	010	M1536900		WASHER, LOCK, 1/4"	X		.04 I	C B
12	010	M1540000		SCREW, MACHINE, 6-32 X 3/4"	X		.12 I	C B
13	010	M1559400		OBSOLETE	X		.12 I	M B
15	010	M1508900		FAN, FINGER GUARD, 4.5"	N		3 I	EA B
16	010	M1558000		WIRE, 18 AWG, GREEN	N		1 I	FT B
17	010	M1549500		TERMINAL, RING, #8, 16-14 AWG	X		.03 I	C B
18	010	M1552200		SCREW, METRIC, SHORT #8	X		.03 I	BX B
19	010	M1558400		WASHER, LOCK, #8	X		.03 I	C B
800	010	D1507401		3 UNIT FAN TRAY PARTS LIST	X		1 O	EA M
800	010	D1507402		3 UNIT FAN TRAY ASSEMBLY DRAWING	X		1 O	EA M
900	010	LABOR		LABOR, PRODUCTIVE	R		.36 I	LU M

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CHECKER			
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		A	OF

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

14:38:08

FUNCTION: BILLI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/25/1990

PARENT: A1507900

DESC: COMPUTER UNIT

RV: 00

UM: EA

RUN LT:

0

FIXED LT:

0

PLNR: JDM

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
01	010	M1506500		COMPUTER, EVEREX, 1700C, W/KEYBOARD	N	1 I	EA B
02	010	M1507100		CARD, DISPLAY ADAP, MED, EV659	N	1 I	EA B
03	010	M1529700		CARD, GPIB CONTROLLER, W/CABLE	N	1 I	EA B
05	010	M1505000		SECURITY MODULE	N	1 I	EA B
06	010	M1506300		CABLE, DB25, M/F, 4'	N	1 I	EA B
800	010	D1507901		COMPUTER UNIT PARTS LIST	X	1 O	EA M
900	010	LABOR		LABOR, PRODUCTIVE	R	7.8 I	LU M

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CHECKER		TITLE	
CHECKER			
APPROVAL		SIZE A	ASSEMBLY NO. SHEET OF

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DRWG NO.

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

14:38:13

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/25/1990

PARENT: A1508600

RV: 00

UM: EA

PLNR: JDM

DESC: BARRIER STRIP COVER

RUN LT: 5 FIXED LT: 1

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T UM B
800	010	D1508601		BARRIER STRIP COVER PARTS LIST	X		1 0	EA M
900	010	LABOR		LABOR, PRODUCTIVE	R		.05 I	LU M

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES	
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CHECKER		TITLE	
CHECKER			
APPROVAL		SIZE	ASSEMBLY NO.
		A	
		SHEET OF	

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:03:10
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1515200

RV: 00 UM: EA
PLNR: JDM

DESC: SUB-RACK UNIT
RUN LT: 10 FIXED LT: 1
PLN POL: N DRWG: EIR-00007

PT USE SEQN COMPONENT
STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q T	M UM	B
01	010	M1548400	BARRIER STRIP, 1 X 4	N	1	I	EA B
03	010	M1538500	BUS BAR	N	2	I	EA B
05	010	M1535300	FUSE, BLOCK, ACG, 12 POS	N	.5	I	EA B
06	010	M1511900	GUIDE BLOCK, 4HP	N	3	I	EA B
07	010	M1513700	RAIL, HORIZONTAL, CENTER	N	1	I	EA B
08	010	M1513500	RAIL, HORIZONTAL, FRONT	N	2	I	EA B
09	010	M1513600	RAIL, HORIZONTAL, REAR	N	3	I	EA B
10	010	M1539200	JACK, DIN, 41612, WW	N	1	I	EA B
12	010	M1534900	NUT, #10	X	.02	I	C B
13	010	M1559700	NUT, HEX, #8, SPEC	X	.03	I	C B
14	010	M1518300	BACKPLANE, 84HP, 4HP, 64, POST, C	N	1	I	EA B
15	010	M1522100	RESISTOR, FIXED, CARBON, 1/4W, 5%, 10K	N	8	I	EA B
16	010	M1514000	SCREW, HEAD, M2, 5X10	X	.2	I	C B
17	010	M1513900	SCREW, M5X12, SOCKET HEAD	X	.12	I	C B
18	010	M1556400	SCREW, MACHINE, 10-24 X 1/2"	X	.02	I	C B
19	010	M1559600	SCREW, MACHINE, 8-32 X 3/8" SPEC	X	.03	I	C B
20	010	M1539900	SHRINK TUBING, 3/16" BLACK	X	.01	I	RL B
21	010	M1559300	SHRINK TUBING, 1/8" RED	X	.01	I	RL B
22	010	M1523100	PLATE, SIDE, 6U, 220 DEEP	N	2	I	EA B
23	010	M1549300	TERMINAL, FASTON, F-1/4" 16-14 GU, B	X	.04	I	C B
24	010	M1539100	TERMINAL, FAST-ON, 10-12, YELLOW	X	.08	I	C B
25	010	M1512000	THREADED INSERT, 84 HP	N	4	I	EA B
26	010	M1514100	WASHER, A2.6	X	.2	I	C B
27	010	M1534800	WASHER, LOCK, #10	X	.02	I	M B
29	010	M1550700	WIRE, 14 AWG, STRANDED, BROWN	N	1	I	FT B
30	010	M1550300	WIRE, 14 AWG, STRANDED, LT. BLUE	N	.9	I	FT B
31	010	M1550400	WIRE, 14 AWG, STANDER, WHITE/BLUE	N	.9	I	FT B
32	010	M1550500	WIRE, 14 AWG, STRANDED, YELLOW	N	.9	I	FT B
33	010	M1551700	WIRE, WIRE-WRAP, 30 AWG, BLUE	N	.5	I	RL B
34	010	M1558100	WIRE, 10 AWG, BROWN	N	.67	I	FT B
35	010	M1557700	WIRE, 10 AWG, PURPLE	N	.34	I	FT B

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SUB RACK UNIT PARTS LIST
SUB RACK UNIT ASSEMBLY DRAWING
LABOR, PRODUCTIVE

DRAFTSMAN		DATE		SIENNA TECHNOLOGIES	
DESIGNER		X		INCORPORATED A M	
CHECKER		TITLE R		5 I LU M	
CHECKER		SIZE		ASSEMBLY NO.	
APPROVAL		A		SHEET OF	

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED
00	ORIGINAL RELEASE	007	7-89	ERDMAN

8000\D1515202

SUB-RACK UNIT ASSEMBLY

REF	SKU	DESCRIPTION	QTY.	MANUF.	PART NO.
1	M-15484 ✓	BARRIER STRIP, 1 X 4	1	LITTLEFUSE	
3	M-15385 ✓	BUS BAR	2	SCHROFF	60800-242
5	M-15353 ✓	FUSE BLOCK, ACG, 12 POS.	0.5	LITTLEFUSE	845-4225
6	M-15119 ✓	GUIDE BLOCK, 4HP, 160 DEEP	3	SCHROFF	60817-043
7	M-15137 ✓	HORIZONTAL RAIL, CENTER	1	SCHROFF	30817-074
8	M-15135 ✓	HORIZONTAL RAIL, FRONT	2	SCHROFF	30819-166
9	M-15136 ✓	HORIZONTAL RAIL, REAR	3	SCHROFF	30819-241
10	M-15392 ✓	JACK, DIN41612, WW	1	ERNI	543401
12	M-15349 ✓	NUT, #10	2	SHARON	06-4104-436
13	M-15597 ✓	NUT, HEX, #8	3	SHARON	06-4104-435
14	M-15183 ✓	PWB, BACKPLANE, 84HP, 4HP, 64 POST, C	1	SCHROFF	20800-119
15	M-15221 ✓	RESISTOR, FIXED, CARBON, 1/4W, 5%, 10K	8	IRC	1BT-1/4-103J
16	M-15140 ✓	SCREW, HEAD, M2, 5X10	20	SCHROFF	21100-138
17	M-15139 ✓	SCREW, M5X12, SOCKET HEAD	12	SCHROFF	21100-323
18	M-15564 ✓	SCREW, MACHINE, 10 X 24 X 1/2	2	SHARON	06-3214-331
19	M-15596 ✓	SCREW, MACHINE, 8-32 X 3/8"	3	MCMASTER	90275A192
20	M-15399 ✓	SHRINK TUBING, 3/16", BLACK	3"	INCORALLY	8805
21	M-15590 ✓ M-15593 ✓	SHRINK TUBING, 1/8", RED	1"	INCORALLY	8823
22	M-15231 ✓	SIDE PLATE, 6U, 220 DEEP	2	SCHROFF	30819-419
23	M-15493 ✓	TERMINAL, FAST-ON, 16-14 F, 1/4", BLUE	4	AEI	MVU10-250DF
24	M-15391 ✓	TERMINAL, FAST-ON, 10-12 F, 1/4", YELLOW	8	CRESCENT	MNG14-250DFX

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DRAFTSMAN P. ERDMAN	DATE 7/89	SIENNA TECHNOLOGIES	
ENGINEER P. ERDMAN	7/89	INCORPORATED	
CHECKER B. HARRY	7/89	TITLE SUB RACK UNIT PARTS LIST	
CHECKER		SIZE A	ASSEMBLY NO. A1515200
APPROVAL P. ERDMAN	7/89	SHEET 1 OF 2	

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D1515202

DRWG NO.

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

25	M-15120 ✓	THREADED INSERT, B4HP	4	SCHROFF	30819-594
26	M-15141 ✓	WASHER, A2.6	20	SCHROFF	21100-142
27	M-15348 ✓	WASHER, LOCK, #10	2	SHARON	06-4604-414
28	M-15589 ✓	WASHER, LOCK, #8	3	SHARON	06-4604-413
29	M-15507 ✓	WIRE, 14 GAUGE, STRANDED, BROWN	12"	ALPHA	1559-BRN
30	M-15503 ✓	WIRE, 14 GAUGE, STRANDED, LT BLUE	10"	ALPHA	1559-LT.BLU
31	M-15504 ✓	WIRE, 14 GAUGE, STRANDED, WHITE/BLUE	10"	ALPHA	1559-WHT/BLU
32	M-15505 ✓	WIRE, 14 GAUGE, STRANDED, YELLOW	10"	ALPHA	1559-YEL
33	M-15517 ✓	WIRE, WIRE-WRAP, 30 AWG	75"	JUST WRAP	K14B-ND
34	M-15581 ✓	WIRE, 10 GAUGE BROWN	8"	CAPITOL	A/R
35	M-15577 ✓	WIRE, 10 GAUGE VIOLET	4"	CAPITOL	A/R

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES	
ENGINEER		INCORPORATED	
CHECKER		TITLE	
CHECKER		SUBRACK UNIT	
		PARTS LIST	
APPROVAL		SIZE	ASSEMBLY NO.
		A	
		SHEET	
		2 OF 2	

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DRWG NO. 01515202

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED
-00	ORIGINAL RELEASE	0007	7-87	EKDMAN

8000\D1515204

SUB-RACK UNIT ASSEMBLY
FUSE SCHEDULE

POSITION	TYPE	VALUE
1	AGC-REG	2 AMP
2	AGC-REG	2 AMP
3	AGC-REG	2 AMP
4	AGC-REG	2 AMP
5	ACG-REG	25 AMP

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DRAFTSMAN Y. L. KESLIE	DATE 7/87	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER P. ERDMAN	7/87	TITLE SUB-RACK UNIT FUSE SCHEDULE	
CHECKER B. HARRY	7/87		
CHECKER M. KAIL	7/87		
APPROVAL P. ERDMAN	7/87	SIZE A	ASSEMBLY NO. A1515200
		SHEET 1 OF 1	

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DRWG NO.

D1515204

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:03:19
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1515300

RV: 00 UM: EA

PLNR: JDM

DESC: RELAY BOX

RUN LT: 10 FIXED LT: 0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							T	UM B
01	100	A1529600		PULL BOX MODIFICATION	P		1 I	EA M
02	100	M1535300		FUSE,BLOCK,ACG,12 POS.	N		.25 I	EA B
03	100	M1533300		JACK,RELAY SOCKET,8 PIN	N		1 I	EA B
04	100	M1540800		RELAY,CONTACTOR,3P,40 AMP	N		1 I	EA B
05	100	M1532800		RELAY,TIME DELAY	N		1 I	EA B
06	100	M1535400		SCREW,MACHINE,6-32 X 1/2"	X		.12 I	C B
07	100	M1549300		TERMINAL,FASTON,F-1/4" 16-14 GU,B	X		.11 I	C B
08	100	M1549100		TERMINAL,RING,#6 16-14 GUAGE	X		.02 I	C B
09	100	M1545100		TERMINATION,RING,12-10 AWG,1/4"	X		.01 I	C B
10	100	M1541900		TRANSFORMER,230/24,50-60 HZ	N		1 I	EA B
11	100	M1542800		WIRE,STRANDED,18 AWG,BLACK	N		1.4 I	FT B
12	100	M1558200		WIRE,STRANDED,18 AWG GRAY	N		1.7 I	FT B
13	100	M1541800		WIRE,STRANDED,18 AWG,RED	N		1.4 I	FT B
14	100	M1557900		WIRE,18 AWG,YELLOW	N		1.5 I	FT B
15	100	M1545000		WASHER,EXTERNAL TOOTH,1/4"	X		.01 I	C B
16	100	M1536600		BOLT,HEX,1/4" X 3/4"	X		.01 I	C B
17	100	M1536500		BOLT,HEX,1/4" X 1/2"	X		.03 I	C B
18	100	M1540100		NUT,1/4"	X		.04 I	C B
19	100	M1536900		WASHER,LOCK,1/4"	X		.04 I	C B
20	100	M1536800		WASHER,FLAT,1/4"	X		.04 I	C B
22	100	M1559400		OBSOLETE	X		.12 I	M B
23	100	M1540200		WASHER,FLAT,#6	X		.08 I	M B
24	100	A1552500		CROSS RAIL TYPE "A/NOTCH"	N		1 I	EA M
25	100	A1520900		CROSS RAIL TYPE "B/NOTCH"	N		1 I	EA M
800	010	D1515301		RELAY BOX PARTS LIST	X		1 O	EA B
800	010	D1515302		RELAY BOX ASSEMBLY DRAWING	X		1 O	EA B
900	010	LABOR		LABOR,PRODUCTIVE	R		3.9 I	LU M

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CHECKER		TITLE	
CHECKER			
APPROVAL		SIZE	ASSEMBLY NO.
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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:03:25
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1515400

RV: 00 UM: EA
BUYR: PLB

DESC: EXTERNAL DUT CABLE TYPE "A"
RUN LT: 13 FIXED LT: 1
PLN POL: N DRWG: EIR-00005

PT USE SEQN COMPONENT
STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M	QUANTITY	T	UM	B
1		010	M1525900	CABLE, RIBBON, GRAY, 50 CONDUCTOR	N		10	I	FT	B		
2		010	M1525700	JACK, IDC, AMP-LATCH, SCREWLOCK, 50 P N	N		1	I	EA	B		
3		010	M1525800	PLUG, IDC, AMP-LATCH, BAIL LOCK, 50 P N	N		1	I	EA	B		
800		010	D1515401	EXTERNAL DUT CABLE "A" PARTS LIST	X		1	O	EA	B		
800		010	D1515402	EXTERNAL DUT CABLE "A" ASSEM. DRW	X		1	O	EA	B		
900		010	LABOR	LABOR, PRODUCTIVE	R		.5	I	LU	M		

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:03:27
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1515500
RV: 00 UM: EA
BUYR: PLB

DESC: FLOPPY DISK DRIVE DATA CABLE
RUN LT: 13 FIXED LT: 1
PLN POL: N DRWG: EIR-00005

PT USE SEQN COMPONENT
STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M	UM	B
1	010	M1530000	JACK, IDC HEADER, 34 POSITION	N	1	I	EA	B		
2	010	M1526600	STRAIN RELIEF, 34 POSITION	N	1	I	EA	B		
3	010	M1530100	JACK, IDC, CARDEGE, 34 POSITION	N	1	I	EA	B		
4	010	M1529400	CABLE, TWIST-N-FLAT, SHIELDED, 34 CO	N	5	I	FT	B		
5	010	M1549500	TERMINAL, RING, #8, 16-14 AWG	X	.01	I	C	B		
800	010	D1515501	FLOPPY DISK DRIVE CABLE PARTS LIS	X	1	O	EA	B		
800	010	D1515502	FLOPPY DISK DRIVE CABLE ASSEM DRW	X	1	O	EA	B		

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES	
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CHECKER		TITLE	
CHECKER			
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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED
-00	ORIGINAL RELEASE	0005	7/89	EROMAN

8000\D1515501

FLOPPY DRIVE DATA CABLE ASSEMBLY

REF	SKU	DESCRIPTION	QTY.	MANUF.	PART NO.
-----	-----	-----	-----	-----	-----
4	M-15294 ✓	CABLE, TWIST-N-FLAT, SHIELDED, 34 COND	5'	AMPHENOL	8431522831034
1	M-15300 ✓	JACK, IDC HEADER, 34 POSITION	1	AMP	746288-8
3	M-15301 ✓	JACK, IDC, CARDEDGE, 34 POSITION	1	AMP	499580-3
2	M-15266 ✓	STRAIN RELIEF, 34 POSITION	1	AMP	499252-6
5	M-15492 ✓	TERMINAL, RING, #8, 16-14 GAUGE	1	AEI	MVU14-8R/L

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DRAFTSMAN Y. LESLIE	DATE 7/89	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER P. EROMAN	7/89	TITLE FLOPPY DISK DRIVE CABLE PARTS LIST	
CHECKER B. HARRY	7/89	SIZE ASSEMBLY NO. A A1515500	
CHECKER		SHEET 1 OF 1	
APPROVAL P. EROMAN	7/89		

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:03:29
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1515600

RV: 00 UM: EA

BUYR: PLB

DESC: DISK DRIVE POWER CABLE
RUN LT: 5 FIXED LT: 1
PLN POL: N DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q T	M UM	B
1	010	M1525100	PLUG, MATE-N-LOK, 4 PIN HOUSING	N	1	I	EA B
2	010	M1524900	JACK, CONTACT, SOCKET, GOLD	N	4	I	EA B
3	010	M1525200	JACK, MATE-N-LOK, 4 PIN HOUSING	N	1	I	EA B
4	010	M1525000	PLUG, CONTACT, PIN, GOLD	N	4	I	EA B
5	010	M1541800	WIRE, STRANDED, 18 AWG, RED	N	3.5	I	FT B
6	010	M1542800	WIRE, STRANDED, 18 AWG, BLACK	N	7	I	FT B
7	010	M1557900	WIRE, 18 AWG, YELLOW	N	3.5	I	FT B
800	010	D1515601	DISK DRIVE POWER CABLE PARTS LIST	X	1	O	EA B
800	010	D1515602	DISK DRIVE POWER CABLE ASSEM DRWG	X	1	O	EA B
900	010	LABOR	LABOR, PRODUCTIVE	R	.23	O	LU M

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:03:32

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1515700

RV: 00

UM: EA

PLNR: JDM

DESC: FAN RACK RAIL

RUN LT:

4

FIXED LT:

0

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT

USE SEQN COMPONENT

DESCRIPTION

C

Q

M

T

QUANTITY T UM B

1 010 M1543100

RAIL, RIGHT ANGLE STOCK 1/2"X6' AL N

.34 I EA B

800 010 D1515701

FAN MOUNTING RAIL ASSEMBLY DRWG

X

1 0 EA B

800 010 D1515702

FAN MOUNTING RAIL PARTS LIST

X

1 0 EA B

900 010 LABOR

LABOR, PRODUCTIVE

R

.09 I LU M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:03:33
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1515800 DESC: EXTERNAL POWER CABLE (220V/1 PH)
RV: 00 UM: EA RUN LT: 4 FIXED LT: 1
PLNR: JDM PLN POL: N DRWG: EIR-00005

PT USE SEQN COMPONENT
STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T U M B
1		010	M1539300	CABLE,SO,6 GUAGE	N	8 I FT B	
2		010	M1535800	JACK,LOCKING,INLINE,220V,50A	N	1 I EA B	
3		010	M1536000	PLUG,ST,NYLON ANGLE,2F,3W,220V,50	N	1 I EA B	
4		010	M1573000	CARTON,6 X 6 X 18	N	1 I EA B	
800		010	D1515802	EXTERNAL POWER CABLE PARTS LIST	X	1 O EA B	
900		010	LABOR	LABOR,PRODUCTIVE	R	.63 I LU M	

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER		TITLE	
CHECKER			
CHECKER			
APPROVAL		SIZE A	ASSEMBLY NO.
			SHEET OF

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER		TITLE	
CHECKER		EXTERNAL POWER CABLE ASSEMBLY DRWG	
CHECKER			
APPROVAL		SIZE	SHEET
		A	1 OF 1
		ASSEMBLY NO. A1515800	

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER		TITLE	
CHECKER		DUT 1/0 PANEL TYPE "A" ASSEMBLY DRWG	
CHECKER		SIZE	ASSEMBLY NO.
APPROVAL		A	A1515900
		SHEET 1 OF 1	

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D1515901
DRWG NO.

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:03:47
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1516100

RV: 00 UM: EA

PLNR: JDM

DESC: ITS8000 BASIC MAIN FRAME

RUN LT: 10 FIXED LT: 1

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M	U	B
01	010	A1519600		AC POWER SUB-SYSTEM (220V/1 PH)	P		1	I	EA	M
02	010	A1521000		CENTRAL PROCESSING UNIT (8000)	P		1	I	EA	M
03	010	A1520500		CPU-THERMO INTERFACE	P		1	I	EA	M
04	010	A1516700		DISK DRIVE MOUNTING	P		1	I	EA	M
05	010	A1520000		EXHAUST PANEL	N		1	I	EA	B
06	010	A1516200		FRAME	P		1	I	EA	M
07	010	A1517000		GENERAL I/O PANEL	N		1	I	EA	M
08	010	A1518200		MAIN BLOWER	P		1	I	EA	M
09	010	A1518000		"A1" SUBPARTITION (FACTORY INST)	P		1	I	EA	M
10	010	A1521400		MASTER MODULE INTERFACE CABLE	N		1	I	EA	S
11	010	A1520600		MM/THERMO INTERFACE CABLE	N		1	I	EA	S
12	010	M1534900		NUT, #10	X		.04	I	C	B
14	010	M1529000		RACK, FILLER PANEL, 7" T-B	N		1	I	EA	B
15	010	M1534800		WASHER, LOCK, #10	X		.004	I	M	B
16	010	A1535000		'8000' SAFETY LABELS	X		1	I	EA	M
800	010	D1516101		BASIC MAIN FRAME PARTS LIST	X		1	O	EA	B
800	010	D1516105		BASIC MAIN FRAME PANEL PLACEMENT	X		1	O	EA	M
900	010	LABOR		LABOR, PRODUCTIVE	R		9.5	I	LU	M

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DRWG NO.

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:03:51
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1516200

RV: 00 UM: EA

PLNR: JDM

DESC: FRAME

RUN LT:

2 FIXED LT: 0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	T	QUANTITY	Q	M
01	010	M1536500		BOLT, HEX, 1/4" X 1/2"	X	.22	I	C B
02	010	M1541700		CLAMP, CABLE, SELF ADHESIVE, CLEAR	X	7	I	EA B
03	010	A1519800		CROSS RAIL TYPE "A"	N	3	I	EA M
05	010	A1520200		CROSS RAIL TYPE "B"	N	2	I	EA M
07	010	A1519700		HORIZONTAL CROSS RAIL	N	2	I	EA M
08	010	M1540100		NUT, 1/4"	X	.22	I	C B
09	010	M1528500		RACK, DATA, FRAME, 56 X 30	N	1	I	EA B
10	010	M1528600		RACK, SEE-THRU DOOR, 56"	N	1	I	EA B
11	010	M1507700		RIGHT ANGLE, VERTICAL	N	4	I	EA B
12	010	A1554000		THERMO MOUNTING RAIL	N	2	I	EA M
13	010	M1543400		WASHER, FLAT, #10	X	.22	I	C B
14	010	M1536900		WASHER, LOCK, 1/4"	X	.22	I	C B
15	010	M1528700		RACK, FILLER PANEL, 5 1/4"	N	2	I	EA B
800	010	D1516201		FRAME PARTS LIST	X	1	O	EA M
800	010	D1516202		FRAME ASSEMBLY DRAWING	X	1	I	EA M
900	010	LABOR		LABOR, PRODUCTIVE	R	2.7	I	LU M

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER		TITLE	
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DRWG NO.

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:00
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1516500

RV: 00 UM: EA
BUYR: PLB

DESC: POWER PANEL
RUN LT: 25 FIXED LT: 1
PLN POL: N DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M	UM	B
800	010	D1516501		POWER PANEL DETAIL MECHANICAL	X		1	0	EA	M
800	010	D1516502		POWER PANEL PARTS LIST	X		1	0	EA	M

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER		TITLE	
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APPROVAL		SIZE A	ASSEMBLY NO. SHEET OF

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES	
ENGINEER		INCORPORATED	
CHECKER		TITLE	
CHECKER		GENERAL V/O PANEL	
APPROVAL		ASSEMBLY DRWG	
SIZE	ASSEMBLY NO.	SHEET	
A	A1517000	1 OF 1	

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:04

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1516700

RV: 00

UM: EA

PLNR: JDM

DESC: DISK DRIVE MOUNTING

RUN LT: 0 FIXED LT: 1

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	UM	M
							QUANTITY		
01	010	A1515500		FLOPPY DISK DRIVE DATA CABLE	N		1	I	EA S
02	010	A1505400		DISK DRIVE HOUSING	N		1	I	EA B
03	010	A1516800		DISK DRIVE PANEL	N		1	I	EA B
04	010	A1515600		DISK DRIVE POWER CABLE	N		1	I	EA S
05	010	M1540100		NUT, 1/4"	X		.04	I	C B
06	010	M1542300		NUT, HEX, 4-40, ZINC	X		.05	I	C B
07	010	M1527700		SCREW, BUTTON HEAD, 4-40 X 3/8	X		.05	I	C B
08	010	M1537000		SCREW, MACHINE 1/4" X 3/4"	X		.04	I	C B
09	010	M1536900		WASHER, LOCK, 1/4"	X		.04	I	C B
10	010	M1542400		WASHER, SPRING, #4	X		.005	I	M B
11	010	M1536300		WASHER, PLASTIC, BLACK RING	X		.08	I	BG B
800	010	D1516702		DISK DRIVE MOUNTING PARTS LIST	X		1	O	EA B
900	010	LABOR		LABOR, PRODUCTIVE	R		1.4	I	LU M

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CHECKER			
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		SHEET	OF

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER		TITLE	
CHECKER		DISK DRIVE MOUNTINGS ASSEMBLY DRWG	
CHECKER		SIZE	ASSEMBLY NO.
APPROVAL		A	A1516700
		SHEET 1 OF 1	

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DRWG NO. A1516701

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:08
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1516800

RV: 00 UM: EA
BUYR: PLB

DESC: DISK DRIVE PANEL
RUN LT: 25 FIXED LT: 1
PLN POL: N DRWG: EIR-00006

PT USE SEQN COMPONENT
STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T UM B
800	010	D1516801		DISK DRIVE PANEL DETAIL MECHANICA	X		1 0	EA B
800	010	D1516802		DISK DRIVE PANEL PARTS LIST	X		1 0	EA M

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CHECKER			
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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:09
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1516900

RV: 00

UM: EA

PLNR: JDM

DESC: 2-MB EXPANDED MEMORY (FACTORY INST)

RUN LT: 1 FIXED LT: 0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	TUM B
01	010	M1557300		CARD, RAM ATZ 2MB	N		1 I	EA B
800	010	D1516901		2-MB EXPANDED MEMORY PARTS LIST	X		1 O	EA M

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CHECKER			
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FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1517000

RV: 00

UM: EA

PLNR: JDM

DESC: GENERAL I/O PANEL

RUN LT:

4 FIXED LT: 1

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q T	M UM	B
01	010	M1557500	CABLE, 18 AWG, 2 COND	N	8	I	FT B
02	010	A1517700	DB25 TO DB25 INTERFACE CABLE	N	1	I	EA B
03	010	A1517500	DB9 TO DB9 INTERFACE CABLE	N	1	I	EA B
04	010	A1517200	I/O PANEL (SCREENED)	N	1	I	EA B
05	010	M1533400	JACK, BNC, CHASSIS	N	4	I	EA B
06	010	M1555800	PLUG, DB25, METAL	N	1	I	EA B
07	010	M1511400	JACK, THERMOCOUPLE, PANEL MOUNT	N	16	I	EA B
08	010	A1517400	KEYBOARD CABLE	N	1	I	EA B
09	010	M1540100	NUT, 1/4"	X	.04	I	C B
10	010	M1542300	NUT, HEX, 4-40, ZINC	X	.02	I	C B
11	010	M1527700	SCREW, BUTTON HEAD, 4-40 X 3/8	X	.02	I	C B
12	010	M1509900	SCREW, LOCKING RETAINER	N	5	I	EA B
13	010	M1537000	SCREW, MACHINE, 1/4" X 3/4"	X	.04	I	C B
14	010	M1559300	SHRINK TUBING, 1/8" RED	X	.01	I	RL B
15	010	M1549100	TERMINAL, RING, #6, 16-14 GAUGE	X	.04	I	C B
16	010	M1536900	WASHER, LOCK, 1/4"	X	.04	I	C B
17	010	M1542400	WASHER, SPRING, #4	X	.002	I	M B
18	010	M1536300	WASHER, PLASTIC, BLACK RING	X	.08	I	BG B
19	010	M1549800	WIRE, THERMO, EXT, J	N	8	I	FT B
800	010	D1517002	GENERAL I/O PANEL PARTS LIST	X	1	O	EA B
900	010	LABOR	LABOR, PRODUCTIVE	R	.63	I	LU M

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11:04:15
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1517100

RV: 00

UM: EA

PLNR: JDM

DESC: DUT MODULE (DM16/20)

RUN LT:

2 FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q T	M UM	B
04	020	A1520700	HEAT SINK PLATE	N	1	I	EA B
05	020	M1559700	NUT, HEX, #8, SPEC	X	.03	I	C B
06	020	M1526400	PLUG, IDC, AMP-LATCH, SCREW LOCK, 50 P	N	4	I	EA B
08	010	M1563600	SCREW, BINDER, HEAD MACHINE	X	.11	I	C B
10	020	M1547300	SPACER, THREADED, 1/2"	X	.09	I	C B
11	020	M1547000	STANDOFF, 8-32 X 1" M-F	X	.02	I	C B
12	020	M1529900	STANDOFF, 8-32 X 1/2" M-F	X	.06	I	C B
13	020	M1529800	STANDOFF, SWIVEL, 1/2" M-M	X	.003	I	C B
14	020	A1535900	STRAIN RELIEF	N	1	I	EA B
16	010	M1546900	WASHER, #8, 3/8" NICKEL PLATED	X	.03	I	C B
17	020	M1558400	WASHER, LOCK, #8	X	.09	I	C B
18	020	A1568900	20 PIN DUT CIRCUIT ASSEMBLY	N	1	I	EA S
21	020	M1569200	BAG, ANTI-STATIC, 12 X 18	N	1	I	EA B
800	010	D1517102	DUT MODULE (DM16/20) PARTS LIST	X	1	O	EA M
800	010	D1517101	DUT MODULE (DM16/20) ASSEMBLY DRW	X	1	O	EA M
900	010	LABOR	LABOR, PRODUCTIVE	R	.45	I	LU M

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APPROVAL		SIZE	ASSEMBLY NO.
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DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:19
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1517200

RV: 00 UM: EA

BUYR: PLB

DESC: I/O PANEL (SCREENED)

RUN LT: 30 FIXED LT: 1

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT
STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	T	Q	M
						QUANTITY	T UM B
700	010	T1517201		I/O PANEL POSITIVE ARTWORK	T	1 O	EA M
701	010	T1517201		I/O PANEL POSITIVE ARTWORK	U	1 O	EA M
800	010	D1517201		GENERAL I/O PANEL DETAIL MECH	X	1 O	EA B
800	010	D1517202		GENERAL I/O PANEL PARTS LIST	X	1 O	EA M

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CHECKER			
CHECKER			
APPROVAL	SIZE A	ASSEMBLY NO.	SHEET OF

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:03:35

FUNCTION: BILL

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1515900

RV: 00

UM: EA

PLNR: JDM

DESC: DUT I/O PANEL TYPE "A1"

RUN LT: 15 FIXED LT: 1

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	T	Q	M
						QUANTITY	TUM B
1	010	A1554100		DUT PANEL TYPE "A1"	N	1 I	EA S
2	010	M1526000		HARDWARE KIT, BAIL LOCK	N	20 I	EA B
3	010	A1516600		MODULE TO PANEL TYPE "L1" CABLE	N	10 I	EA S
4	010	A1520100		MODULE TO PANEL TYPE "R1" CABLE	N	10 I	EA S
5	010	M1540100		NUT, 1/4"	X	.04 I	C B
6	010	M1537000		SCREW, MACHINE, 1/4" X 3/4"	X	.04 I	C B
7	010	M1536900		WASHER, LOCK, 1/4"	X	.04 I	C B
8	010	M1536300		WASHER, PLASTIC, BLACK RING	X	.08 I	BG B
800	010	D1515902		DUT I/O PANEL "A1" PARTS LIST	X	1 0	EA B

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APPROVAL		SIZE	ASSEMBLY NO.
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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:02
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1516600

RV: 00

UM: EA

BUYR: PLB

DESC: MODULE TO PANEL TYPE "L1" CABLE

RUN LT: 12 FIXED LT: 1

PLN POL: N

DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
1	010	M1525900		CABLE, RIBBON, GRAY, 50 CONDUCTOR	N	5.84 I FT B	
2	010	M1526500		JACK, IDC, AMP-LATCH, PANEL MOUNT, 50	N	1 I EA B	
3	010	M1526200		JACK, IDC HEADER, 50 POSITION	N	1 I EA B	
4	010	M1526300		STRAIN RELIEF, 50 POS	N	1 I EA B	
800	010	D1516601		MOD TO PANEL "L1" CABLE PARTS LIS	X	1 O EA B	
800	010	D1516602		MOD TO PANEL "L1" CABLE ASSEM DRW	X	1 O EA B	

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CHECKER		TITLE	
CHECKER			
APPROVAL		SIZE	SHEET
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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:21
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1517300 DESC: 50 COND MM DAISY -CHAIN CABLE
RV: 00 UM: EA RUN LT: 12 FIXED LT: 1
BUYR: PLB PLN POL: N DRWG: EIR-00005

PT USE SEQN COMPONENT
STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q M		
					QUANTITY	T	UM B
1	010	M1525900	CABLE,RIBBON,GRAY,50 CONDUCTOR	N	3.34	I	FT B
2	010	M1526200	JACK,IDC HEADER,50 POSITION	N	2	I	EA B
800	010	D1517301	50 COND MM DSY-CHN CABLE PARTS LI	X	1	O	EA B
800	010	D1517302	50 COND MM DSY-CHN CABLE ASSEM DR	X	1	O	EA B

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APPROVAL		SIZE ASSEMBLY NO.	SHEET OF
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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:23

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1517400

DESC: KEYBOARD CABLE

RV: 00

UM: EA

RUN LT:

10

FIXED LT:

1

BUYR: PLB

PLN POL: N

DRWG: EIR-00005

PT USE

SEQN

COMPONENT

STARTING:

PT

USE SEQN COMPONENT

DESCRIPTION

C

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T

QUANTITY T UM B

800 010 D1517401

KEYBOARD CABLE FAB SPECIFICATION

X

1 0 EA B

800 010 D1517402

KEYBOARD CABLE PARTS LIST

X

1 0 EA B

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DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:25
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1517600 DESC: 30 COND MM DAISY-CHAIN CABLE
RV: 00 UM: EA RUN LT: 12 FIXED LT: 1
BUYR: PLB PLN POL: N DRWG: EIR-00005

PT USE SEQN COMPONENT
STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	T	Q	M
						QUANTITY	TUM B
1,2		010	M1533500	JACK, IDC, HEADER, 30 POS	N	2 I	EA B
3		010	M1525900	CABLE, RIBBON, GRAY, 50 CONDUCTOR	N	3.7 I	FT B
800		010	D1517601	30 COND MM DSY-CHN CABLE PARTS LI	X	1 O	EA B
800		010	D1517602	30 COND MM DSY-CHN CABLE ASSEM DR	X	1 O	EA B

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CHECKER			
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REVISIONS				
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11:04:27

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1517700

DESC: DB25 TO DB25 INTERFACE CABLE

RV: 00

UM: EA

RUN LT:

10

FIXED LT:

1

BUYR: PLB

PLN POL: N

DRWG: EIR-00005

PT USE

SEQN

COMPONENT

STARTING:

PT

USE SEQN COMPONENT

DESCRIPTION

C

Q

M

T

QUANTITY T UM B

800 010 D1517701

DB25 TO DB25 INTER CABLE FAB SPEC X

1 0 EA B

800 010 D1517702

DB25 TO DB25 INTER CABLE PARTS LI X

1 0 EA B

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11:04:29

FUNCTION: BILL

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1517800

DESC: 4 UNIT FAN RACK

RV: 00

UM: EA

RUN LT:

4 FIXED LT:

1

PLNR: JDM

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T U M B
01	010	A1508600		BARRIER STRIP COVER	N		1 I	EA M
02	010	M1549900		BARRIER STRIP, 2 X 7	N		1 I	EA B
03	010	M1523500		CABLE TIE, BLACK 8"	X		.03 I	C B
04	010	M1509800		CABLE, POWER, TUBEAXIAL FAN	N		4 I	EA B
05	010	M1539000		CABLE, SO 16 GAUGE	N		1.7 I	FT B
06	010	M1508900		FAN, FINGER GUARD, 4.5"	N		4 I	EA B
07	010	M1509000		FAN, TUBEAXIAL, 4.5"	N		4 I	EA B
08	010	A1515700		FAN RACK RAIL	P		2 I	EA M
09	010	M1527400		NUT, STEEL, 6-32, COURSE THREAD	X		.12 I	C B
10	010	M1534600		PLUG, EDISON, 220 V, NEMA-615	N		1 I	EA B
11	010	M1542900		RIVET, 3/16"	X		4 I	EA B
12	010	M1535400		SCREW, MACHINE, 6-32 X 1/2"	X		.12 I	C B
13	010	M1562900		SCREW, MACHINE, 8-32 X 1"	X		.04 I	C B
14	010	M1552200		SCREW, METRIC, SHORT #8	X		.04 I	BX B
15	010	M1549500		TERMINAL, RING, #8, 16-14 AWG	X		.03 I	C B
17	010	M1540200		WASHER, FLAT, #6	X		.12 I	M B
18	010	M1535600		WASHER, LOCK, 6-32	X		.12 I	C B
19	010	M1558000		WIRE, 18 AWG, GREEN	N		1.5 I	FT B
20	010	M1553400		SPACER, THREADED, 6-32X0.375"	X		.04 I	C B
21	010	M1558700		WASHER, FENDER, #8	X		.04 I	C B
22	010	M1558400		WASHER, LOCK, #8	X		.04 I	C B
23	010	M1559700		NUT, HEX, #8, SPEC	X		.04 I	C B
24	010	M1558900		WASHER, RUBBER, #8	X		.04 I	C B
800	010	D1517801		4 UNIT FAN RACK PARTS LIST	X		1 O	EA B
800	010	D1517802		4 UNIT FAN RACK ASSEMBLY DRAWING	X		1 O	EA B
900	010	LABOR		LABOR, PRODUCTIVE	R		1 I	LU M

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CHECKER			
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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:35
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1517900

RV: 00

UM: EA

PLNR: JDM

DESC: THERMOCOUPLE FITTING

RUN LT:

2

FIXED LT:

1

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
1		010	M1510100	PLUG, THERMOCOUPLE, INLINE	N	1 I	EA B
2		010	M1509400	THERMOCOUPLE, J TYPE	N	1 I	EA B
800		010	D1517901	THERMOCOUPLE FITTING PARTS LIST	X	1 O	EA M
900		010	LABOR	LABOR, PRODUCTIVE	R	.12 I	LU M

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REVISIONS				
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14:38:30
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1518000

RV: 00

UM: EA

PLNR: JDM

DESC: "A1" SUBPARTITION (FACTORY INST)

RUN LT:

0 FIXED LT:

0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T U M B
01	010	A1507400		3 UNIT FAN TRAY	N		1 I	EA M
02	010	A1517800		4 UNIT FAN RACK	N		1 I	EA M
03	010	M1541700		CLAMP,CABLE,SELF ADHESIVE,CLEAR	X		4 I	EA B
04	010	M1512100		COVER PLATE,SUBRACK	N		2 I	EA B
05	010	A1520400		DC POWER SUB-SYSTEM (220V)	P		1 I	EA M
06	010	A1515900		DUT I/O PANEL TYPE "A1"	P		1 I	EA M
07	010	M1540100		NUT,1/4"	X		.04 I	C B
08	010	M1537000		SCREW,MACHINE,1/4" X 3/4"	X		.04 I	C B
09	010	A1515200		SUB-RACK UNIT	N		1 I	EA M
10	010	M1536900		WASHER,LOCK,1/4"	X		.04 I	C B
11	010	M1536300		WASHER,PLASTIC,BLACK RING	X		.08 I	BG B
12	010	A1515000		MASTER MODULE (FACTORY INSTALL)	N		1 I	EA M
12	010	A1515000-01		MASTER MODULE (FACTORY INSTALL)	N		1 I	EA M
800	010	D1518002		"A1" SUBPARTITION PARTS LIST	X		1 O	EA M
900	010	LABOR		LABOR,PRODUCTIVE	R		1.12 I	LU M

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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER		TITLE	
CHECKER			
CHECKER			
APPROVAL		SIZE	ASSEMBLY NO.
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DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER		TITLE	
CHECKER		MAJOR PARTITION "A1"	
CHECKER		SUB SYSTEM	
		ASSEMBLY DRWG	
APPROVAL		SIZE	SHEET
		A	1 OF 1
		A1518000	

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D1518001

DRWG NO.

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:41
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1518100

RV: 00

UM: EA

PLNR: JDM

DESC: DT756Y MOUNTING BRACKET

RUN LT:

2 FIXED LT: 1

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT

USE SEQN COMPONENT

DESCRIPTION

900 010 LABOR

LABOR, PRODUCTIVE

C

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QUANTITY T UM B

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:42
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1518200 DESC: MAIN BLOWER
RV: 00 UM: EA RUN LT: 0 FIXED LT: 0
PLNR: JDM PLN POL: N DRWG: EIR-00007

PT USE SEQN COMPONENT
STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	Q T	M UM B
01	010	M1528100	BLOWER, 960 CFM	1 I	EA B
02	010	M1539000	CABLE, SO 16 GUAGE	1.7 I	FT B
03	010	A1519500	INTAKE PANEL	1 I	EA B
04	010	M1534600	PLUG, EDISON, 220 V, NEMA-615	1 I	EA B
05	010	M1569500	RIVET, 3/16" LARGE FLANGE	3 I	EA B
06	010	M1558700	WASHER, FENDER, #8	.06 I	C B
07	010	M1540100	NUT, 1/4"	.04 I	C B
08	010	M1536500	BOLT, HEX, 1/4" X 1/2"	.04 I	C B
09	010	M1536800	WASHER, FLAT, 1/4"	.04 I	C B
10	010	M1536900	WASHER, LOCK, 1/4"	.04 I	C B
11	010	M1558800	TERMINAL, BUTT SPLICE	.03 I	C B
12	010	M1548200	STRAIN RELIEF, BLOWER	1 I	EA B
13	010	M1548300	NUT, STRAIN RELIEF, BLOWER	1 I	EA B
14	010	M1549500	TERMINAL, RING, #8, 16-14 AWG	.01 I	C B
15	010	M1558600	SCREW, MACHINE, 8-32 X 1/2"	.01 I	C B
16	010	M1542500	WASHER, STAR, #8	.01 I	M B
17	010	M1559700	NUT, HEX, #8, SPEC	.01 I	C B
18	010	M1558400	WASHER, LOCK, #8	.01 I	C B
19	010	M1559300	SHRINK TUBING, 1/8" RED	.01 I	RL B
800	010	D1518202	MAIN BLOWER PARTS LIST	1 O	EA M
900	010	LABOR	LABOR, PRODUCTIVE	1.4 I	LU M

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REVISIONS				
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11:04:49

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1519400

RV: 00

UM: EA

PLNR: JDM

DESC: BULK SUPPLY POWER CABLE

RUN LT: 0 FIXED LT: 0

PLN POL: N

DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q QUANTITY	M T UM B
1	010	M1557800	CABLE,SO 14 AWG,BLACK	N	2 I	FT B
2	010	M1534600	PLUG,EDISON,220 V,NEMA-615	N	1 I	EA B
3	010	M1549500	TERMINAL,RING,#8,16-14 AWG	X	.03 I	C B
800	010	D1519402	BULK SUPPLY POWER CABLE PARTS LIS	X	1 O	EA M
900	010	LABOR	LABOR,PRODUCTIVE	R	.1 I	LU M

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CHECKER		TITLE	
CHECKER			
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FOR MATERIAL REQUIREMENTS SEE PL

DRAFTSMAN	DATE	SIENNA TECHNOLOGIES INCORPORATED	
ENGINEER		TITLE	
CHECKER		BULK SUPPLY POWER CABLE ASSEMBLY DRWG	
CHECKER		SIZE	ASSEMBLY NO.
APPROVAL		A	A1519400
			SHEET 1 OF 1

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DRWG NO.

DIS19401

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:51

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1519500

DESC: INTAKE PANEL

RV: 00

UM: EA

RUN LT:

25

FIXED LT:

1

BUYR: PLB

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	T	UM B
800	010	D1519501		INTAKE PANEL DETAIL MECHANICAL	X	1 0	EA M
800	010	D1519502		INTAKE PANEL PARTS LIST	X	1 0	EA M

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CHECKER			
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DRWG NO.

REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:04:53

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1
02/23/1990

PARENT: A1519600

RV: 00 UM: EA

PLNR: JDM

DESC: AC POWER SUB-SYSTEM (220V/1 PH)

RUN LT: 0 FIXED LT: 0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY T	UM B
01	010	M1536500		BOLT, HEX, 1/4" X 1/2"	X	.01	I C B
02	010	M1537800		BOX, FUSE, 8 POS.	N	1	I EA B
03	010	M1541400		BOX, FUSE, MAIN	N	1	I EA B
04	010	M1537200		COUPLING, LIQUID-TIGHT, ANGLED, 1"	N	1	I EA B
05	010	M1537100		COUPLING, LIQUID-TIGHT, STRAIGHT, 1"	N	3	I EA B
06	010	M1538100		FUSE, CIRCUIT BREAKER, 2 POLE, 15 AM	N	2	I EA B
07	010	M1538200		FUSE, CIRCUIT BREAKER, 2 POLE, 20 AM	N	1	I EA B
08	010	M1544400		FUSE, CIRCUIT BREAKER, 2 POLE 30 A	N	1	I EA B
09	010	M1559100		GROMMET, 7/8" O-D, RUBBER	X	.01	I C B
10	010	M1543000		LUG, COMPRESSION, #6	X	6	I EA B
11	010	M1540100		NUT, 1/4"	X	.05	I C B
12	010	M1534900		NUT, #10	X	.12	I C B
13	010	M1535700		PLUG, LOCKING, FLANGED INLET, 220V, 5	N	1	I EA B
14	010	A1535200		POWER DISTRIBUTION CHANNEL	N	1	I EA M
15	010	A1516500		POWER PANEL	P	1	I EA B
16	010	A1515300		RELAY BOX	N	1	I EA M
17	010	M1559200		SCREW, MACHINE, 10-24 X 3/4"	X	.06	I C B
18	010	M1537000		SCREW, MACHINE, 1/4" X 3/4"	X	.04	I C B
19	010	M1538000		SEALTITE, 1"	N	2	I FT B
20	010	M1553200		TAPE, PLASTIC, GREEN	X	.05	I RL B
21	010	M1553000		TAPE, PLASTIC, RED	X	.05	I RL B
22	010	M1536300		WASHER, PLASTIC, BLACK RING	X	.08	I BG B
23	010	M1536900		WASHER, LOCK, 1/4"	X	.04	I C B
24	010	M1536900		WASHER, LOCK, 1/4"	X	.01	I C B
25	010	M1545000		WASHER, EXTERNAL TOOTH, 1/4"	X	.01	I C B
26	010	M1534800		WASHER, LOCK, #10	X	.012	I M B
27	010	M1537700		WIRE, THNN, 6 AWG	N	15	I FT B
28	010	M1540600		SWITCH, OPERATOR, GREEN	N	1	I EA B
29	010	M1544500		SWITCH, OPERATOR, RED, EXTENDED	N	1	I EA B
30	010	M1561100		CONTACT, BLOCK, NO-NC	N	2	I EA B
31	010	M1557500		CABLE, 18 AWG, 2 COND	N	16	I FT B

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AC POWER SUB-SYSTEM PARTS LIST

LABOR, PRODUCTIVE

SIENNA TECHNOLOGIES	
INCORPORATED	
TITLE	
SIZE	ASSEMBLY NO.
A	
ENGINEER	
CHECKER	
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SHEET	OF

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:05:04
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1519700

RV: 00

UM: EA

PLNR: JDM

DESC: HORIZONTAL CROSS RAIL

RUN LT:

3

FIXED LT: 1

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	TUM B
1		010	M1507800	CROSSRAIL, HORIZONTAL	N		1 I	EA B
800		010	D1519702	HORIZONTAL CROSS RAIL PARTS LIST	X		1 O	EA M
900		010	LABOR	LABOR, PRODUCTIVE	R		.1 I	LU M

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11:05:05
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1519800 DESC: CROSS RAIL TYPE "A"
RV: 00 UM: EA RUN LT: 3 FIXED LT: 1
PLNR: JDM PLN POL: N DRWG: EIR-00006

PT USE SEQN COMPONENT
STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q T	M UM	B
1	010	M1507700	RIGHT ANGLE, VERTICAL	N	.25	I	EA B
800	010	D1519802	CROSS RAIL "A" PARTS LIST	X	1	O	EA M
900	010	LABOR	LABOR, PRODUCTIVE	R	.1	I	LU M

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REVISIONS				
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11:05:06

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1519900

RV: 00

UM: EA

PLNR: JDM

DESC: DC POWER DISTRIBUTION HARNESS
RUN LT: 0 FIXED LT: 0
PLN POL: N DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	T	UM	M
01	010	M1548400		BARRIER STRIP, 1 X 4	N		2	I	EA	B
02	010	M1508500		BARRIER STRIP, SHORTING BAR, 1/4"	N		2	I	EA	B
03	010	M1556300		TERM, TAB, 1 HOLE, DOUBLE TAB 90 DEG	X		.08	I	C	B
04	010	M1539100		TERMINAL, FAST-ON, 10-12, YELLOW	X		.3	I	C	B
05	010	M1549300		TERMINAL, FASTON, F-1/4" 16-14 GU, B	X		.1	I	C	B
06	010	M1560000		TERMINAL RING, 5/16" 10-12 AWG	X		.03	I	C	B
07	010	M1559800		TERMINAL RING, #10, 10-12 AWG	X		.01	I	C	B
08	010	M1549100		TERMINAL, RING, #6, 16-14 GAUGE	X		.15	I	C	B
09	010	M1556200		TERM, TAB, 1 HOLE, SINGLE TAB 45 DEG	X		.08	I	C	B
10	010	M1548800		TUBING, SPLIT, BLACK, 1/2"	N		1.5	I	RL	B
11	010	M1558100		WIRE, 10 AWG, BROWN	N		8.5	I	FT	B
12	010	M1557700		WIRE, 10 AWG, PURPLE	N		8	I	FT	B
13	010	M1550700		WIRE, 14 AWG, STRANDED, BROWN	N		17	I	FT	B
14	010	M1550300		WIRE, 14 AWG, STRANDED, LT. BLUE	N		8	I	FT	B
15	010	M1550400		WIRE, 14 AWG, STANDER, WHITE/BLUE	N		8	I	FT	B
16	010	M1550600		WIRE, 14 AWG, STRANDED, WHITE/YELLOW	N		8	I	FT	B
17	010	M1550500		WIRE, 14 AWG, STRANDED, YELLOW	N		8	I	FT	B
800	010	D1519902		DC POWER DIST HARNESS PARTS LIST	X		1	O	EA	M
900	010	LABOR		LABOR, PRODUCTIVE	R		2.8	I	LU	M

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11:05:13

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1520000

RV: 00

UM: EA

BUYR: PLB

DESC: EXHAUST PANEL

RUN LT: 25 FIXED LT: 1

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	T	UM	M	B
800	010	D1520001		EXHAUST PANEL DETAIL MECHANICAL	X		1	0	EA	M	
800	010	D1520002		EXHAUST PANEL PARTS LIST	X		1	0	EA	M	

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11:05:15
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1520100

RV: 00 UM: EA

BUYR: PLB

DESC: MODULE TO PANEL TYPE "R1" CABLE
RUN LT: 12 FIXED LT: 1
PLN POL: N DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	QUANTITY	TUM B
1	010	M1525900		CABLE, RIBBON, GRAY, 50 CONDUCTOR	N		5.84 I FT B	
2	010	M1526500		JACK, IDC, AMP-LATCH, PANEL MOUNT, 50	N		1 I EA B	
3	010	M1526200		JACK, IDC HEADER, 50 POSITION	N		1 I EA B	
4	010	M1526300		STRAIN RELIEF, 50 POS	N		1 I EA B	
800	010	D1520101		MODULE TO PANEL "R1" CBL PARTS LI X	X		1 O EA M	
800	010	D1520102		MODULE TO PANEL "R1" CAB ASSEM DR X	X		1 O EA M	

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DASH	DESCRIPTION	EIR	DATE	APPROVED

11:05:17

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1520200

RV: 00

UM: EA

PLNR: JDM

DESC: CROSS RAIL TYPE "B"

RUN LT:

3 FIXED LT: 1

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M	QUANTITY	T	UM	B
1		010	M1507700	RIGHT ANGLE, VERTICAL	N		.25	I	EA	B		
800		010	D1520202	CROSS RAIL "B" PARTS LIST	X		1	O	EA	M		
900		010	LABOR	LABOR, PRODUCTIVE	R		.1	I	LU	M		

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11:05:19

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1
02/23/1990

PARENT: A1520300

RV: 00

UM: EA

BUYR: PLB

DESC: PRINTED WIRE BOARD-DM20/16

RUN LT: 25 FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
700	010	T1520301	PWB PHYSICAL LAYOUT DATABASE DISK	T	1	0	EA M
700	010	T1520302	PWB PHYSICAL 1X POS MASK-COMP SID	T	1	0	EA M
700	010	T1520303	PWB PHYSICAL 1X POS MASK-SOLD SID	T	1	0	EA M
700	010	T1520304	PWB PHYSICAL 1X POS MASK-LEGEND	T	1	0	EA M
700	010	T1520305	PWB DRILL TAPE	T	1	0	EA M
701	010	T1520301	PWB PHYSICAL LAYOUT DATABASE DISK	U	1	0	EA M
701	010	T1520302	PWB PHYSICAL 1X POS MASK-COMP SID	U	1	0	EA M
701	010	T1520303	PWB PHYSICAL 1X POS MASK-SOLD SID	U	1	0	EA M
701	010	T1520304	PWB PHYSICAL 1X POS MASK-LEGEND	U	1	0	EA M
701	010	T1520305	PWB DRILL TAPE	U	1	0	EA M
800	010	D1520301	PWB MANUFACTURING SPECIFICATION	X	1	0	EA M
800	010	D1520302	PWB PHYSICAL LAYOUT-COMP SIDE	X	1	0	EA M
800	010	D1520303	PWB PHYSICAL LAYOUT-SOLDER SIDE	X	1	0	EA M
800	010	D1520304	PWB PHYSICAL LAYOUT-LEGEND	X	1	0	EA M
800	010	D1520305	PWB PHYSICAL LAYOUT-COMPOSITE	X	1	0	EA M
800	010	D1520306	PWB PARTS LIST	X	1	0	EA M

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REVISIONS				
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14:38:20
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1520400

RV: 00 UM: EA

PLNR: JDM

DESC: DC POWER SUB-SYSTEM (220V)

RUN LT: 0 FIXED LT: 0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	TUM B
01	010	A1519400		BULK SUPPLY POWER CABLE	P		1 I	EA M
02	010	A1519900		DC POWER DISTRIBUTION HARNESS	P		1 I	EA M
03	010	A1529500		LOGIC SUPPLY MOUNTING TRUSS	N		1 I	EA M
04	010	A1527900		LOGIC SUPPLY POWER CABLE	P		1 I	EA M
05	010	M1559700		NUT, HEX, #8, SPEC	X		.04 I	C B
06	010	M1528200		POWER SUPPLY, IM304-1331/220 A2, 5V	N		1 I	EA B
08	010	M1558600		SCREW, MACHINE, 8-32 X 1/2"	X		.08 I	C B
09	010	M1559900		SCREW, SELF TAPING, #7	X		.04 I	C B
10	010	M1558700		WASHER, FENDER, #8	X		.08 I	C B
11	010	M1542500		WASHER, STAR, #8	X		.004 I	M B
12	010	M1558900		WASHER, RUBBER, #8	X		.04 I	C B
13	010	M1526800		POWER SUPPLY, SM11-4/115-230, 18VDC	N		1 I	EA B
800	010	D1520402		DC POWER SUB-SYSTEM PARTS LIST	X		1 O	EA M
900	010	LABOR		LABOR, PRODUCTIVE	R		6.8 I	LU M

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REVISIONS				
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14:38:39

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1520500

RV: 00

UM: EA

PLNR: JDM

DESC: CPU-THERMO INTERFACE

RUN LT: 0 FIXED LT: 0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	TUM B
1		010	M1536500	BOLT,HEX,1/4" X 1/2"	X		.08	I C B
2		010	M1528400	CARD,THERMOCOUPLE INTERFACE,DT756	N		1	I EA B
3		010	M1540100	NUT,1/4"	X		.12	I C B
4		010	M1559500	SCREW,MACHINE,1/4" X 3/8	X		.04	I C B
5		010	A1518100	DT756Y MOUNTING BRACKET	N		4	I EA M
6		010	M1536800	WASHER,FLAT,1/4"	X		.08	I C B
7		010	M1536900	WASHER,LOCK,1/4"	X		.12	I C B
800		010	D1520502	CPU-THERMO INTERFACE PARTS LIST	X		1	O EA M
900		010	LABOR	LABOR,PRODUCTIVE	R		2.7	I LU M

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11:05:31

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1520600

RV: 00

UM: EA

BUYR: PLB

DESC: MM/THERMO INTERFACE CABLE

RUN LT:

12

FIXED LT:

1

PLN POL: N

DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
1	010	M1525900		CABLE,RIBBON,GRAY,50 CONDUCTOR	N	4.84 I FT B	
2	010	M1526200		JACK,IDC HEADER,50 POSITION	N	1 I EA B	
3	010	M1533500		JACK,IDC,HEADER,30 POS	N	1 I EA B	
4	010	M1545300		JACK,IDC,20 POS	N	1 I EA B	
5	010	M1526300		STRAIN RELIEF,50 POS	N	1 I EA B	
6	010	M1545200		STRAIN RELIEF,20 PIN	N	1 I EA B	
800	010	D1520601		MM-THERMO/CPU INTER CAB PARTS LIS	X	1 O EA M	
800	010	D1520602		MM-THERMO/CPU INTER CAB ASSEM DRW	X	1 O EA M	
900	010	LABOR		LABOR,PRODUCTIVE	R	.27 I LU M	

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DASH	DESCRIPTION	EIR	DATE	APPROVED

11:05:35

FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1520700

RV: 00

UM: EA

BUYR: PLB

DESC: HEAT SINK PLATE

RUN LT:

7

FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT

USE SEQN COMPONENT

DESCRIPTION

C

Q

M

T

QUANTITY T UM B

800 010 D1520701

HEAT SINK PLATE DETAIL MECHANICAL X

1 0 EA M

800 010 D1520702

HEAT SINK PLATE PARTS LIST X

1 0 EA M

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14:38:48
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1520800

RV: 00 UM: EA
PLNR: JDM

DESC: "A2" SUBPARTITION (FACTORY INST)
RUN LT: 0 FIXED LT: 0
PLN POL: N DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	UM	M
							QUANTITY	T	B
01		010	A1517800	4 UNIT FAN RACK	N		1	I	EA M
02		010	M1541700	CLAMP, CABLE, SELF ADHESIVE, CLEAR	X		4	I	EA B
03		010	M1512100	COVER PLATE, SUBRACK	N		2	I	EA B
04		010	A1551400	DUT I/O PANEL TYPE "A2"	P		1	I	EA M
05		010	M1540100	NUT, 1/4"	X		.04	I	C B
06		010	M1537000	SCREW, MACHINE, 1/4" X 3/4"	X		.04	I	C B
07		010	A1515200	SUB-RACK UNIT	N		1	I	EA M
08		010	M1536900	WASHER, LOCK, 1/4"	X		.04	I	C B
09		010	M1536300	WASHER, PLASTIC, BLACK RING	X		.08	I	BG B
10		010	A1515000	MASTER MODULE (FACTORY INSTALL)	N		1	I	EA M
10		010	A1515000-01	MASTER MODULE (FACTORY INSTALL)	N		1	I	EA M
800		010	D1520802	"A2" SUBPARTITION PARTS LIST	X		1	O	EA M
900		010	LABOR	LABOR, PRODUCTIVE	R		1.1	I	LU M

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11:05:41

FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1520900

RV: 00

UM: EA

PLNR: JDM

DESC: CROSS RAIL TYPE "B/NOTCH"

RUN LT:

3

FIXED LT: 1

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	T	M	UM	B
1		010	M1507700	RIGHT ANGLE, VERTICAL	N		.25	I	EA	B	
800		010	D1520901	CROSS RAIL "B/NOTCH" DETAIL MECH	X		1	O	EA	M	
800		010	D1520902	CROSS RAIL "B/NOTCH" PARTS LIST	X		1	O	EA	M	
900		010	LABOR	LABOR, PRODUCTIVE	R		.1	I	LU	M	

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FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1521000

RV: 00

UM: EA

PLNR: JDM

DESC: CENTRAL PROCESSING UNIT (8000)

RUN LT:

0

FIXED LT:

0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q T	M UM	B
01	010	M1528300	CARD,ADC,8 CHANNEL,SE,DT2808	N	1	I	EA B
02	010	M1510400	CARD,ADC,8 CHANNEL,DT2801	N	1	I	EA B
03	010	M1507100	CARD,DISPLAY ADAP,MED,EV659	N	1	I	EA B
05	010	M1506500	COMPUTER,EVEREX,1700C,W/KEYBOARD	N	1	I	EA B
06	010	A1521300	COMPUTER MOUNTING RAIL	P	2	I	EA M
07	010	M1534000	DISK DRIVE, 40MB HARD	N	1	I	EA B
08	010	M1505000	SECURITY MODULE	N	1	I	EA B
09	010	M1536500	BOLT,HEX,1/4" X 1/2"	X	.04	I	C B
10	010	M1540100	NUT,1/4"	X	.04	I	C B
12	010	M1542900	RIVET,3/16"	X	12	I	EA B
13	010	M1548100	SLIDE,DRAWER,16"	N	1	I	PR B
14	010	M1536800	WASHER,FLAT,1/4"	X	.04	I	C B
15	010	M1536900	WASHER,LOCK,1/4"	X	.04	I	C B
16	010	M1563000	KIT,2ND SERIAL OPTION,1700C	N	1	I	EA B
17	010	M1563000	KIT,2ND SERIAL OPTION,1700C	N	1	I	EA B
800	010	D1521002	CENTRAL PROCESSING UNIT PARTS LIS	X	1	O	EA M
900	010	LABOR	LABOR,PRODUCTIVE	R	9	I	LU M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:05:50
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1521100

RV: 00 UM: EA
PLNR: JDM

DESC: FAST TEST MODULE (FACTORY INSTALL)
RUN LT: 0 FIXED LT: 0
PLN POL: N DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	Q	T	UM	B
03	010	M1529700	CARD, GPIB CONTROLLER, W/CABLE	N	1	I	EA	B
04	010	M1540100	NUT, 1/4"	X	.04	I	C	B
05	010	M1564500	POWER SUPPLY, HP6633A, 220V	N	1	I	EA	B
06	010	M1505200	RACK EARS, 2U, REGULAR	N	1	I	PR	B
07	010	M1537000	SCREW, MACHINE, 1/4" X 3/4"	X	.04	I	C	B
08	010	M1536900	WASHER, LOCK, 1/4"	X	.04	I	C	B
09	010	M1536300	WASHER, PLASTIC, BLACK RING	X	.04	I	BG	B
800	010	D1521101	FAST TEST MODULE PARTS LIST	X	1	O	EA	M
900	010	LABOR	LABOR, PRODUCTIVE	R	1.6	I	LU	M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:05:52
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1521200

RV: 00 UM: EA
PLNR: JDM

DESC: 24 PIN DUT CIRCUIT ASSEMBLY
RUN LT: 10 FIXED LT: 1
PLN POL: N DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M	QUANTITY	T	UM	B
01	010	M1509600		CABLE, IDC, 50 COND, HI TEMP	N		12	I	FT	B		
02	010	A1547800		PRINTED WIRE BOARD-DM24/16	N		1	I	EA	B		
03	010	M1549400		SOCKET, HIGH TEMP, 24 PIN	N		16	I	EA	B		
800	010	D1521201		24 PIN DUT CIRCUIT ASSY PARTS LIS X	X		1	O	EA	M		

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DASH	DESCRIPTION	EIR	DATE	APPROVED

11:05:54

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1521300

RV: 00

UM: EA

PLNR: JDM

DESC: COMPUTER MOUNTING RAIL

RUN LT:

3

FIXED LT: 0

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT

USE SEQN COMPONENT

DESCRIPTION

C

Q

M

T

QUANTITY T UM B

1 010 M1507700

RIGHT ANGLE, VERTICAL

N

.34 I EA B

800 010 D1521301

COMPUTER MOUNTING RAIL PARTS LIST X

X

1 O EA M

900 010 LABOR

LABOR, PRODUCTIVE

R

.1 I LU M

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11:05:56

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1521400

RV: 00

UM: EA

BUYR: PLB

DESC: MASTER MODULE INTERFACE CABLE
RUN LT: 12 FIXED LT: 1
PLN POL: N DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M	QUANTITY	T	UM	B
1	010	M1525900		CABLE, RIBBON, GRAY, 50 CONDUCTOR	N		4.5	I	FT	B		
2	010	M1526200		JACK, IDC HEADER, 50 POSITION	N		2	I	EA	B		
3	010	M1526300		STRAIN RELIEF, 50 POS	N		1	I	EA	B		
800	010	D1521401		MM/CPU INTERFACE CABLE PARTS LIST	X		1	O	EA	M		
800	010	D1521402		MM/CPU INTERFACE CABLE ASSEM DRWG	X		1	O	EA	M		

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20:49:21
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1525300

RV: 00 UM: EA
PLNR: JDM

DESC: EM STRUCTURE LIBRARY SOFTWARE
RUN LT: 20 FIXED LT: 1
PLN POL: N DRWG: EIR-00015

PT USE SEQN COMPONENT
STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	T	Q	M
						QUANTITY	T UM B
700	010	T1525301	EM STRUCTURE LIBRARY MASTER TAPE	T	1	0	EA M
701	010	T1525301	EM STRUCTURE LIBRARY MASTER TAPE	U	1	0	EA M
800	010	D1525301	EM STRUCTURE LIBRARY PARTS LIST	X	1	0	EA M

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11:06:01
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1527900

RV: 00 UM: EA
PLNR: JDM

DESC: LOGIC SUPPLY POWER CABLE
RUN LT: 0 FIXED LT: 0
PLN POL: N DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
1		010	M1534600	PLUG, EDISON, 220 V, NEMA-615	N	1 I	EA B
2		010	M1539300	CABLE, SO, 6 GUAGE	N	1.5 I	FT B
3		010	M1549100	TERMINAL, RING, #6, 16-14 GUAGE	X	.03 I	C B
800		010	D1527902	LOGIC SUPPLY POWER CABLE PARTS LI	X	1 O	EA M
900		010	LABOR	LABOR, PRODUCTIVE	R	.1 I	LU M

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REVISIONS				
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11:06:02

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1529500

RV: 00 UM: EA
PLNR: JDM

DESC: LOGIC SUPPLY MOUNTING TRUSS
RUN LT: 4 FIXED LT: 1
PLN POL: N DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	QUANTITY	Q	T	UM	M	B
1		010	M1543100	RAIL, RIGHT ANGLE STOCK 1/2" X 6' AL N	.8	I	EA	B		
2		010	M1542200	SCREW, MACHINE, 6-32 X 3/8"	.12	I	C	B		
3		010	M1558600	SCREW, MACHINE, 8-32 X 1/2"	.04	I	C	B		
4		010	M1540200	WASHER, FLAT, #6	.08	I	M	B		
5		010	M1535600	WASHER, LOCK, 6-32	.08	I	C	B		
6		010	M1527400	NUT, STEEL, 6-32, COURSE THREAD	.12	I	C	B		
7		010	M1558400	WASHER, LOCK, #8	.04	I	C	B		
8		010	M1540400	NUT, MACHINE, 8-32	.04	I	C	B		
800		010	D1529501	LOGIC SUPPLY MTG TRUSS DETAIL MEC	1	O	EA	M		
800		010	D1529502	LOGIC SUPPLY MTG TRUSS PARTS LIST	1	O	EA	M		
900		010	LABOR	LABOR, PRODUCTIVE	.68	I	LU	M		

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:06:06
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1529600

RV: 00 UM: EA
PLNR: JDM

DESC: PULL BOX MODIFICATION
RUN LT: 0 FIXED LT: 0
PLN POL: N DRWG: EIR-000006

PT USE SEQN COMPONENT
STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
1	010	M1537900		BOX,PULL,8 X 8 X 4	N	1	I EA B
800	010	D1529601		PULL BOX MODIFICATION DETAIL MECH	X	1	O EA M
800	010	D1529602		PULL BOX MODIFICATION PARTS LIST	X	1	O EA M
900	010	LABOR		LABOR,PRODUCTIVE	R	.23	I LU M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:06:14

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1534100

RV: 00

UM: EA

PLNR: JDM

DESC: EXTERNAL THERMOCOUPLE CABLE

RUN LT: 4 FIXED LT: 1

PLN POL: N

DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
1		010	M1510300	CABLE, THERMOCOUPLE, SHIELDED	N	10 I FT B	
2		010	M1534200	JACK, THERMOCOUPLE, INLINE	N	1 I EA B	
3		010	M1510100	PLUG, THERMOCOUPLE, INLINE	N	1 I EA B	
4		010	M1510200	STRAIN RELIEF, THERMOCOUPLE	N	2 I EA B	
800		010	D1534102	EXT THERMOCOUPLE CABLE PARTS LIST	X	1 O EA M	
900		010	LABOR	LABOR, PRODUCTIVE	R	.27 I LU M	

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DASH	DESCRIPTION	EIR	DATE	APPROVED

14:38:54

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1535000

RV: 00

UM: EA

PLNR: JDM

DESC: '8000' SAFETY LABELS

RUN LT: 10 FIXED LT: 1

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT

USE SEQN COMPONENT

DESCRIPTION

C

Q

M

T

QUANTITY T UM B

800 010 D1535001

'8000' SAFETY LABELS PARTS LIST X

1 0 EA M

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11:06:17

FUNCTION: BILL

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

PAGE 1

02/23/1990

OPTION: A

PARENT: A1535200

DESC: POWER DISTRIBUTION CHANNEL

RV: 00

UM: EA

RUN LT:

6 FIXED LT: 1

PLNR: JDM

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	PT	Q	M
					T	QUANTITY T	UM B
01	010	M1537200		COUPLING, LIQUID-TIGHT, ANGLED, 1"	N	1 I	EA B
02	010	M1537100		COUPLING, LIQUID-TIGHT, STRAIGHT, 1"	N	1 I	EA B
03	010	M1534400		JACK, DUPLEX, 220V, NEMA 6-20	N	8 I	EA B
04	010	M1541100		JACK, SIMPLEX, 220V, NEMA 6-20	N	1 I	EA B
05	010	M1538000		SEALTITE, 1"	N	1.3 I	FT B
06	010	M1541300		WIREMOLD, BLANK END FITTING	N	2 I	EA B
07	010	M1540900		WIREMOLD, DUPLEX BRACKET	N	8 I	EA B
08	010	M1542600		WIREMOLD, GROUND RECEPTICAL PLATE	N	2 I	EA B
09	010	M1541200		WIREMOLD, RACEWAY BASE	N	4 I	FT B
10	010	M1537500		WIRE, THHN, 12 AWG, BLACK	N	15.5 I	FT B
11	010	M1537300		WIRE, THHN, 12 AWG, GREEN	N	19 I	FT B
12	010	M1537400		WIRE, THHN, 12 AWG, RED	N	15.5 I	FT B
13	010	M1536600		BOLT, HEX, 1/4" X 3/4"	X	.02 I	C B
14	010	M1540100		NUT, 1/4"	X	.02 I	C B
15	010	M1536800		WASHER, FLAT, 1/4"	X	.02 I	C B
16	010	M1536900		WASHER, LOCK, 1/4"	X	.02 I	C B
17	010	M1545100		TERMINATION, RING, 12-10 AWG, 1/4"	X	.01 I	C B
18	010	M1545000		WASHER, EXTERNAL TOOTH, 1/4"	X	.01 I	C B
800	010	D1535201		POWER DIST CHANNEL PARTS LIST	X	1 O	EA M
800	010	D1535202		POWER DIST CHANNEL ASSEMBLY DRAWING	X	1 O	EA M
900	010	LABOR		LABOR, PRODUCTIVE	R	3.6 I	LU M

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18:18:01
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1535900

RV: 00

UM: EA

BUYR: PLB

DESC: STRAIN RELIEF

RUN LT: 15 FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	C	T	Q	UM	M	EFFECTIVITY	LT	SCR
						QUANTITY			IN	OUT	OFFSET PCT
800		010	D1535901	X		1	0	EA	M	021790 123199	0 0.0
800		010	D1535902	X		1	0	EA	M	021790 123199	0 0.0

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11:06:24

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1542000

RV: 00

UM: EA

PLNR: JDM

DESC: MYLAR SPACER

RUN LT:

5 FIXED LT: 1

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M	QUANTITY	T	UM	B
800		010	D1542001	MYLAR SPACER DETAIL MECHANICAL	X		1	I	EA	M		
800		010	D1542002	MYLAR SPACER PARTS LIST	X		1	O	EA	M		
900		010	LABOR	LABOR, PRODUCTIVE	R		.012	I	LU	M		

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FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1546100

RV: 00

UM: EA

BUYR: PLB

DESC: DISK/TAPE PANEL

RUN LT:

20

FIXED LT:

1

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT

USE SEQN COMPONENT

DESCRIPTION

C

Q

M

T

QUANTITY T UM B

800 010 D1546101

DISK/TAPE PANEL DETAIL MECHANICAL X

1 0 EA M

800 010 D1546102

DISK/TAPE PANEL PARTS LIST X

1 0 EA M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:06:26

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1547800

RV: 00

UM: EA

BUYR: PLB

DESC: PRINTED WIRE BOARD-DM24/16

RUN LT: 25 FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T UM B
700		010	T1547801	PWB PHYSICAL LAYOUT DATABASE DISK	T		1 O	EA M
700		010	T1547802	PWB PHYSICAL 1X POS MASK-COMP SID	T		1 O	EA M
700		010	T1547803	PWB PHYSICAL 1X POS MASK-SOLD SID	T		1 O	EA M
700		010	T1547805	PWB DRILL TAPE	T		1 O	EA M
700		010	T1547804	PWB PHYSICAL 1X POS MASK-LEGEND	T		1 O	EA M
701		010	T1547801	PWB PHYSICAL LAYOUT DATABASE DISK	U		1 O	EA M
701		010	T1547802	PWB PHYSICAL 1X POS MASK-COMP SID	U		1 O	EA M
701		010	T1547803	PWB PHYSICAL 1X POS MASK-SOLD SID	U		1 O	EA M
701		010	T1547804	PWB PHYSICAL 1X POS MASK-LEGEND	U		1 O	EA M
701		010	T1547805	PWB DRILL TAPE	U		1 O	EA M
800		010	D1547801	PWB MANUFACTURING SPECIFICATION	X		1 O	EA M
800		010	D1547802	PWB PHYSICAL LAYOUT-COMP SIDE	X		1 O	EA M
800		010	D1547803	PWB PHYSICAL LAYOUT-SOLDER SIDE	X		1 O	EA M
800		010	D1547804	PWB PHYSICAL LAYOUT-LEGEND	X		1 O	EA M
800		010	D1547805	PWB PHYSICAL LAYOUT-COMPOSITE	X		1 O	EA M
800		010	D1547806	PWB PARTS LIST	X		1 O	EA M

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11:06:30
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1548000

RV: 00 UM: EA
BUYR: PLB

DESC: BERNOULLI DRIVE DATA CABLE
RUN LT: 12 FIXED LT: 1
PLN POL: N DRWG: EIR-00005

PT USE SEQN COMPONENT
STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T UM B
1		010	M1530900	CABLE, TWIST & FLAT, 50 COND	N		3.5 I FT B	
2,3		010	M1526200	JACK, IDC HEADER, 50 POSITION	N		2 I EA B	
4		010	M1526300	STRAIN RELIEF, 50 POS	N		1 I EA B	
5		010	M1549500	TERMINAL, RING, #8, 16-14 AWG	X		.01 I C B	
800		010	D1548002	BERNOULLI DRV DATA CABLE PARTS LI	X		1 O EA M	

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REVISIONS				
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11:06:32
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1550800

RV: 00

UM: EA

BUYR: PLB

DESC: MODULE TO PANEL TYPE "L2" CABLE

RUN LT:

12

FIXED LT:

1

PLN POL: N

DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
1		010	M1525900	CABLE,RIBBON,GRAY,50 CONDUCTOR	N	5 I FT B	
3		010	M1526500	JACK,IDC,AMP-LATCH,PANEL MOUNT,50	N	1 I EA B	
4		010	M1526200	JACK,IDC HEADER,50 POSITION	N	1 I EA B	
5		010	M1526300	STRAIN RELIEF,50 POS	N	1 I EA B	
800		010	D1550801	MOD TO PANEL "L2" CABLE PARTS LIS	X	1 O EA M	
800		010	D1550802	MOD TO PANEL "L2" CABLE ASSEM DRW	X	1 O EA M	

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:06:34

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1550900

RV: 00

UM: EA

BUYR: PLB

DESC: MODULE TO PANEL TYPE "R2" CABLE

RUN LT: 12 FIXED LT: 1

PLN POL: N

DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	PT	Q	M
					T	QUANTITY	T UM B
1	010	M1525900		CABLE,RIBBON,GRAY,50 CONDUCTOR	N	5 I FT B	
3	010	M1526500		JACK,IDC,AMP-LATCH,PANEL MOUNT,50	N	1 I EA B	
4	010	M1526200		JACK,IDC HEADER,50 POSITION	N	1 I EA B	
5	010	M1526300		STRAIN RELIEF,50 POS	N	1 I EA B	
800	010	D1550901		MOD TO PANEL "R2" CABLE PARTS LIS	X	1 O EA M	
800	010	D1550902		MOD TO PANEL "R2" CABLE ASSEM DRW	X	1 O EA M	

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:06:36

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1551000

RV: 00

UM: EA

BUYR: PLB

DESC: MODULE TO PANEL TYPE "L3" CABLE

RUN LT: 12 FIXED LT: 1

PLN POL: N

DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	T	UM B
1	010	M1525900		CABLE, RIBBON, GRAY, 50 CONDUCTOR	N	4.5 I	FT B
2	010	M1526500		JACK, IDC, AMP-LATCH, PANEL MOUNT, 50	N	1 I	EA B
3	010	M1526200		JACK, IDC HEADER, 50 POSITION	N	1 I	EA B
4	010	M1526300		STRAIN RELIEF, 50 POS	N	1 I	EA B
800	010	D1551001		MOD TO PANEL "L3" CABLE PARTS LIS	X	1 O	EA M
800	010	D1551002		MOD TO PANEL "L3" CABLE ASSEM DRW	X	1 O	EA M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:06:37
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1551100

RV: 00 UM: EA
BUYR: PLB

DESC: MODULE TO PANEL TYPE "R3" CABLE
RUN LT: 12 FIXED LT: 1
PLN POL: N DRWG: EIR-00005

PT USE SEQN COMPONENT
STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q T	M UM	B
1	010	M1525900	CABLE,RIBBON,GRAY,50 CONDUCTOR	N	4.5	I	FT B
2	010	M1526500	JACK,IDC,AMP-LATCH,PANEL MOUNT,50	N	1	I	EA B
3	010	M1526200	JACK,IDC HEADER,50 POSITION	N	1	I	EA B
4	010	M1526300	STRAIN RELIEF,50 POS	N	1	I	EA B
800	010	D1551101	MOD TO PANEL "R3" CABLE PARTS LIS	X	1	O	EA M
800	010	D1551102	MOD TO PANEL "R3" CABLE ASSEM DRW	X	1	O	EA M

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DASH	DESCRIPTION	EIR	DATE	APPROVED

11:06:39
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1551200

RV: 00

UM: EA

BUYR: PLB

DESC: MODULE TO PANEL TYPE "L4" CABLE

RUN LT: 12 FIXED LT: 1

PLN POL: N

DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	UM	M
							QUANTITY	T	B
1	010	M1525900		CABLE,RIBBON,GRAY,50 CONDUCTOR	N		3.95	I	FT B
3	010	M1526500		JACK,IDC,AMP-LATCH,PANEL MOUNT,50	N		1	I	EA B
4	010	M1526200		JACK,IDC HEADER,50 POSITION	N		1	I	EA B
5	010	M1526300		STRAIN RELIEF,50 POS	N		1	I	EA B
800	010	D1551201		MOD TO PANEL "L4" CABLE PARTS LIS	X		1	O	EA M
800	010	D1551202		MOD TO PANEL "L4" CABLE ASSEM DRW	X		1	O	EA M

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FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1551300

RV: 00

UM: EA

BUYR: PLB

DESC: MODULE TO PANEL TYPE "R4" CABLE

RUN LT: 12 FIXED LT: 1

PLN POL: N

DRWG: EIR-00005

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	PT	Q	M
USE	SEQN	COMPONENT	DESCRIPTION	PT	QUANTITY	T	UM B
1	010	M1525900	CABLE,RIBBON,GRAY,50 CONDUCTOR	N	3.95	I	FT B
3	010	M1526500	JACK,IDC,AMP-LATCH,PANEL MOUNT,50	N	1	I	EA B
4	010	M1526200	JACK,IDC HEADER,50 POSITION	N	1	I	EA B
5	010	M1526300	STRAIN RELIEF,50 POS	N	1	I	EA B
800	010	D1551301	MOD TO PANEL "R4" CABLE PARTS LIS	X	1	O	EA M
800	010	D1551302	MOD TO PANEL "R4" CABLE ASSEM DRW	X	1	O	EA M

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11:06:43
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1551400
RV: 00 UM: EA
PLNR: JDM

DESC: DUT I/O PANEL TYPE "A2"
RUN LT: 0 FIXED LT: 1
PLN POL: N DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q T	M UM	B
01	010	M1541700	CLAMP, CABLE, SELF ADHESIVE CLEAR	X	4	I	EA B
02	010	A1554500	DUT PANEL TYPE "A2"	N	1	I	EA S
03	010	M1526000	HARDWARE KIT, BAIL LOCK	N	20	I	EA B
04	010	A1550800	MODULE TO PANEL TYPE "L2" CABLE	N	10	I	EA S
05	010	A1550900	MODULE TO PANEL TYPE "R2" CABLE	N	10	I	EA S
06	010	M1540100	NUT, 1/4"	X	.04	I	C B
07	010	M1537000	SCREW, MACHINE, 1/4" X 3/4"	X	.04	I	C B
08	010	M1536900	WASHER, LOCK, 1/4"	X	.04	I	C B
09	010	M1536300	WASHER, PLASTIC, BLACK RING	X	.08	I	BG B
800	010	D1551402	DUT I/O PANEL "A2" PARTS LIST	X	1	O	EA M
900	010	LABOR	LABOR, PRODUCTIVE	R	.9	I	LU M

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20:18:33

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1551500

RV: 00

UM: EA

BUYR: PLB

DESC: SCREENED GRAY BINDER

RUN LT: 15 FIXED LT: 1

PLN POL: N

DRWG: EIR-00010

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
1	010	M1506400		BINDER, 3-RING, GREY	N	1 I	EA B
700	010	T1551501		SCREENED GREY BINDER POS ARTWORK	T	1 O	EA M
700	020	T1551501		SCREENED GREY BINDER POS ARTWORK	U	1 O	EA M
800	010	D1551501		SCREENED GREY BINDER PARTS LIST	X	1 O	EA M

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11:06:51

FUNCTION: BILLI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1552500

RV: 00

UM: EA

PLNR: JDM

DESC: CROSS RAIL TYPE "A/NOTCH"

RUN LT:

4

FIXED LT:

1

PLN POL: N

DRWG: EIR-00006

PT USE

SEQN

COMPONENT

STARTING:

PT

USE SEQN COMPONENT

DESCRIPTION

C

Q

M

T

QUANTITY T U M B

1 010 M1507700

RIGHT ANGLE, VERTICAL

N

.25 I EA B

800 010 D1552501

CROSS RAIL "A/NOTCH" DETAIL MECH

X

1 I EA M

800 010 D1552502

CROSS RAIL "A/NOTCH" PARTS LIST

X

1 I EA M

900 010 LABOR

LABOR, PRODUCTIVE

R

.1 I LU M

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20:18:53

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1552600

RV: 00

UM: EA

BUYR: PLB

DESC: SPINE LABEL "8000"

RUN LT: 15 FIXED LT: 1

PLN POL: N

DRWG: EIR-00010

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	TUM B
700	010	T1552601		SPINE LABEL "8000" ARTWORK	T	1 0	EA M
701	010	T1552601		SPINE LABEL "8000" ARTWORK	U	1 0	EA M
800	010	D1552601		SPINE LABEL "8000" PARTS LIST	X	1 0	EA M

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REVISIONS				
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20:49:29

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1553800

RV: 00 UM: EA
PLNR: JDM

DESC: FAST TEST SOFTWARE (V: 1.X.X)
RUN LT: 2 FIXED LT: 1
PLN POL: N DRWG: EIR-00015

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M	QUANTITY	T	UM	B
800	010	D1553801		FAST TEST SOFTWARE PARTS LIST	X		1	0	EA	M		

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REVISIONS				
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20:49:39
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1553900

RV: 00

UM: EA

PLNR: JDM

DESC: ITS8000 SOFTWARE (V: 1.0.0)

RUN LT:

2 FIXED LT: 1

PLN POL: N

DRWG: EIR-00015

PT USE SEQN COMPONENT

STARTING:

PT

USE SEQN COMPONENT

DESCRIPTION

C

Q

M

T

QUANTITY T UM B

800 010 D1553901

ITS8000 SOFTWARE PARTS LIST

X

1 0 EA M

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FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1554000

RV: 00

UM: EA

PLNR: JDM

DESC: THERMO MOUNTING RAIL

RUN LT:

4 FIXED LT: 1

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	TUM B
1		010	M1507700	RIGHT ANGLE, VERTICAL	N		.34	I EA B
800		010	D1554001	THERMO MOUNTING RAIL ASSEMBLY DRW	X		1	O EA M
800		010	D1554002	THERMO MOUNTING RAIL PARTS LIST	X		1	O EA M
900		010	LABOR	LABOR, PRODUCTIVE	R		.9	I LU M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:06:58
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1554100

RV: 00 UM: EA

BUYR: PLB

DESC: DUT PANEL TYPE "A1"

RUN LT: 25 FIXED LT: 1

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
01	010	A1562700		DUT I/O PANEL (UNSCREENED)	N	1 I	EA B
700	010	T1554101		DUT PANEL TYPE "A1" POS ARTWORK	T	1 O	EA M
701	010	T1554101		DUT PANEL TYPE "A1" POS ARTWORK	U	1 O	EA M
800	010	D1554101		DUT PANEL TYPE "A1" PARTS LIST	X	1 O	EA M
800	010	D1562701		DUT I/O PANEL DETAIL MECHANICAL	X	1 O	EA M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:07:00

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1554200

RV: 00

UM: EA

BUYR: PLB

DESC: DUT PANEL TYPE "A3"

RUN LT:

25

FIXED LT:

1

PLN POL: N

DRWG: EIR-00006

PT USE

SEQN

COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M	QUANTITY	T	UM	B
01	010	A1562700		DUT I/O PANEL (UNSCREENED)	N		1	I	EA	B		
700	010	T1554201		DUT PANEL TYPE "A3" POS ARTWORK	T		1	O	EA	M		
701	010	T1554201		DUT PANEL TYPE "A3" POS ARTWORK	U		1	O	EA	M		
800	010	D1554201		DUT PANEL TYPE "A3" PARTS LIST	X		1	O	EA	M		
800	010	D1562701		DUT I/O PANEL DETAIL MECHANICAL	X		1	O	EA	M		

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

14:39:06

SIENNA TECHNOLOGIES INC.

PAGE 1

FUNCTION: BILI

SINGLE LEVEL BILL

02/25/1990

OPTION: A

PARENT: A1554300

DESC: "A3" SUBPARTITION (FACTORY INST)

RV: 00

UM: EA

RUN LT:

0

FIXED LT:

0

PLNR: JDM

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	T	Q	M
						QUANTITY	T U M B
01	010	A1507400	3 UNIT FAN TRAY	N	1	I	EA M
02	010	A1517800	4 UNIT FAN RACK	N	1	I	EA M
03	010	M1541700	CLAMP, CABLE, SELF ADHESIVE, CLEAR	X	4	I	EA B
04	010	M1512100	COVER PLATE, SUBRACK	N	2	I	EA B
05	010	A1520400	DC POWER SUB-SYSTEM (220V)	P	1	I	EA M
06	010	A1554200	DUT PANEL TYPE "A3"	P	1	I	EA S
07	010	M1540100	NUT, 1/4"	X	.04	I	C B
08	010	M1537000	SCREW, MACHINE 1/4" X 3/4"	X	.04	I	C B
09	010	A1515200	SUB-RACK UNIT	N	1	I	EA M
10	010	M1536900	WASHER, LOCK, 1/4"	X	.04	I	C B
11	010	M1536300	WASHER, PLASTIC, BLACK RING	X	.08	I	BG B
12	010	A1515000	MASTER MODULE (FACTORY INSTALL)	N	1	I	EA M
12	010	A1515000-01	MASTER MODULE (FACTORY INSTALL)	N	1	I	EA M
800	010	D1554302	"A3" SUBPARTITION PARTS LIST	X	1	O	EA M
900	010	LABOR	LABOR, PRODUCTIVE	R	1.2	I	LU M

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DASH	DESCRIPTION	EIR	DATE	APPROVED

14:39:15
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1554400

RV: 00

UM: EA

PLNR: JDM

DESC: "A4" SUBPARTITION (FACTORY INST)

RUN LT: 0 FIXED LT: 0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q QUANTITY	M T UM B
01	010	A1517800	4 UNIT FAN RACK	N	1 I	EA M
02	010	M1541700	CLAMP, CABLE, SELF ADHESIVE, CLEAR	X	4 I	EA B
03	010	M1512100	COVER PLATE, SUBRACK	N	2 I	EA B
04	010	A1555600	DUT I/O PANEL TYPE "A4"	P	1 I	EA M
05	010	M1540100	NUT, 1/4"	X	.04 I	C B
06	010	M1537000	SCREW, MACHINE, 1/4" X 3/4"	X	.04 I	C B
07	010	A1515200	SUB-RACK UNIT	N	1 I	EA M
08	010	M1536900	WASHER, LOCK, 1/4"	X	.04 I	C B
09	010	M1536300	WASHER, PLASTIC, BLACK RING	X	.08 I	BG B
10	010	A1515000	MASTER MODULE (FACTORY INSTALL)	N	1 I	EA M
10	010	A1515000-01	MASTER MODULE (FACTORY INSTALL)	N	1 I	EA M
800	010	D1554402	"A4" SUBPARTITION ASSEMBLY DRAWING	X	1 O	EA M
900	010	LABOR	LABOR, PRODUCTIVE	R	11.7 I	LU M

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DASH	DESCRIPTION	EIR	DATE	APPROVED

11:07:07

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1554500

RV: 00

UM: EA

DESC: DUT PANEL TYPE "A2"

RUN LT: 25 FIXED LT: 1

BUYR: PLB

PLN POL: N

DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	Q	T	UM	B
01	010	A1562700		DUT I/O PANEL (UNSCREENED)	1	I	EA	B
700	010	T1554501		DUT PANEL TYPE "A2" POS ARTWORK	1	O	EA	M
701	010	T1554501		DUT PANEL TYPE "A2" POS ARTWORK	1	O	EA	M
800	010	D1554501		DUT PANEL TYPE "A2" PARTS LIST	1	O	EA	M
800	010	D1562701		DUT I/O PANEL DETAIL MECHANICAL	1	O	EA	M

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FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1554600

RV: 00

UM: EA

BUYR: PLB

DESC: DUT PANEL TYPE "A4"

RUN LT:

25

FIXED LT:

1

PLN POL: N

DRWG: EIR-00006

PT USE

SEQN

COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	TUM B
01	010	A1562700		DUT I/O PANEL (UNSCREENED)	N		1 I	EA B
700	010	T1554601		DUT PANEL TYPE "A4" POS ARTWORK	T		1 O	EA M
701	010	T1554601		DUT PANEL TYPE "A4" POS ARTWORK	U		1 O	EA M
800	010	D1554601		DUT PANEL TYPE "A4" PARTS LIST	X		1 O	EA M
800	010	D1562701		DUT I/O PANEL DETAIL MECHANICAL	X		1 O	EA M

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REVISIONS				
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11:07:11
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1555000

RV: 00

UM: EA

PLNR: JDM

DESC: 20 PIN DUT INSTALLER

RUN LT:

4 FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T UM B
1	010	M1550000		CLIP,DIP,TEST,20 PIN	N		1 I	EA B
2	010	M1559300		SHRINK TUBING,1/8" RED	X		.01 I	RL B
3	010	M1542800		WIRE,STRANDED,18 AWG,BLACK	N		.2 I	FT B
800	010	D1555002		20 PIN DUT INSTALLER PARTS LIST	X		1 O	EA M
900	010	LABOR		LABOR,PRODUCTIVE	R		.23 I	LU M

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DASH	DESCRIPTION	EIR	DATE	APPROVED

11:07:14
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1555100

RV: 00

UM: EA

PLNR: JDM

DESC: 24 PIN DUT INSTALLER

RUN LT:

4 FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q QUANTITY	M T UM B
1	010	M1550100	CLIP,DIP,TEST,24 PIN	N	1 I	EA B
2	010	M1559300	SHRINK TUBING,1/8" RED	X	.01 I	RL B
3	010	M1542800	WIRE,STRANDED,18 AWG,BLACK	N	.2 I	FT B
800	010	D1555102	24 PIN DUT INSTALLER PARTS LIST	X	1 O	EA M
900	010	LABOR	LABOR,PRODUCTIVE	R	.23 I	LU M

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REVISIONS				
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11:07:16
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1555400

RV: 00

UM: EA

PLNR: JDM

DESC: DUT MODULE (DM24/16)

RUN LT:

3

FIXED LT:

1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	T	UM	M
04	020	A1520700		HEAT SINK PLATE	N		1	I	EA	B
05	020	M1559700		NUT, HEX, #8, SPEC	X		.03	I	C	B
06	020	M1526400		PLUG, IDC, AMP-LATCH, SCREWLOCK, 50 P	N		4	I	EA	B
08	010	M1563600		SCREW, BINDER, HEAD MACHINE	X		.11	I	C	B
10	020	M1547300		SPACER, THREADED, 1/2"	X		.09	I	C	B
11	020	M1547000		STANDOFF, 8-32 X 1" M-F	X		.02	I	C	B
12	020	M1529900		STANDOFF, 8-32 X 1/2" M-F	X		.06	I	C	B
13	020	M1529800		STANDOFF, SWIVEL, 1/2" M-M	X		.003	I	C	B
14	020	A1535900		STRAIN RELIEF	N		1	I	EA	B
16	010	M1546900		WASHER, #8, 3/8" NICKEL PLATED	X		.03	I	C	B
17	020	M1558400		WASHER, LOCK, #8	X		.09	I	C	B
18	020	A1521200		24 PIN DUT CIRCUIT ASSEMBLY	N		1	I	EA	M
21	020	M1569200		BAG, ANTI-STATIC, 12 X 18	N		1	I	EA	B
800	010	D1555401		DUT MODULE (DM24/16) PARTS LIST	X		1	O	EA	M
900	010	LABOR		LABOR, PRODUCTIVE	R		.05	I	LU	M

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REVISIONS				
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FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1555500

RV: 00 UM: EA

PLNR: JDM

DESC: 20-MB REM DISK DRIVE (FACTORY INST)

RUN LT: 0 FIXED LT: 0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	UM	M
							QUANTITY	T	B
07		010	A1505400	DISK DRIVE HOUSING	N		1	I	EA B
08		010	M1527700	SCREW,BUTTON HEAD,4-40 X 3/8	X		.05	I	C B
09		010	M1542400	WASHER,SPRING,#4	X		.05	I	M B
1		010	A1548000	BERNOULLI DRIVE DATA CABLE	N		1	I	EA S
10		010	M1542300	NUT,HEX,4-40,ZINC	X		.05	I	C B
2		010	A1515600	DISK DRIVE POWER CABLE	N		1	I	EA S
3		010	A1546100	DISK/TAPE PANEL	N		1	I	EA B
4		010	M1547400	DRIVE,20MB,BERNOULLI	N		1	I	EA B
5		010	M1547500	CARD,CONTROLLER,BERNOULLI	N		1	I	EA B
800		010	D1555502	20-MB REM DISK DRIVE PARTS LIST	X		1	O	EA M
900		010	LABOR	LABOR,PRODUCTIVE	R		1.45	I	LU M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:07:27
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1555600

RV: 00

UM: EA

PLNR: JDM

DESC: DUT I/O PANEL TYPE "A4"

RUN LT: 0 FIXED LT: 0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	Q	T	UM	B
1		010	M1541700	CLAMP, CABLE, SELF ADHESIVE, CLEAR	4	I	EA	B
2		010	A1554600	DUT PANEL TYPE "A4"	1	I	EA	S
3		010	M1526000	HARDWARE KIT, BAIL LOCK	20	I	EA	B
4		010	A1551200	MODULE TO PANEL TYPE "L4" CABLE	10	I	EA	S
5		010	A1551300	MODULE TO PANEL TYPE "R4" CABLE	10	I	EA	S
6		010	M1540100	NUT, 1/4"	.04	I	C	B
7		010	M1537000	SCREW, MACHINE, 1/4" X 3/4"	.04	I	C	B
8		010	M1536900	WASHER, LOCK, 1/4"	.04	I	C	B
800		010	D1555602	DUT I/O PANEL "A4" PARTS LIST	1	O	EA	M
9		010	M1536300	WASHER, PLASTIC, BLACK RING	.08	I	BG	B
900		010	LABOR	LABOR, PRODUCTIVE	.9	I	LU	M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:07:30
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1555700

RV: 00 UM: EA

PLNR: JDM

DESC: DUT I/O PANEL TYPE "A3"
RUN LT: 0 FIXED LT: 0
PLN POL: N DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q T	M UM	B
1	010	A1554200	DUT PANEL TYPE "A3"	N	1	I	EA S
2	010	M1526000	HARDWARE KIT, BAIL LOCK	N	20	I	EA B
3	010	A1551000	MODULE TO PANEL TYPE "L3" CABLE	N	10	I	EA S
4	010	A1551100	MODULE TO PANEL TYPE "R3" CABLE	N	10	I	EA S
5	010	M1540100	NUT, 1/4"	X	.04	I	C B
6	010	M1537000	SCREW, MACHINE, 1/4" X 3/4"	X	.04	I	C B
7	010	M1536900	WASHER, LOCK, 1/4"	X	.04	I	C B
8	010	M1536300	WASHER, PLASTIC, BLACK RING	X	.08	I	BG B
800	010	D1555702	DUT I/O PANEL "A3" PARTS LIST	X	1	O	EA M
900	010	LABOR	LABOR, PRODUCTIVE	R	.9	I	LU M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:07:33
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1556900

RV: 00

UM: EA

PLNR: JDM

DESC: ITS8000 USER MANUAL

RUN LT:

5

FIXED LT:

1

PLN POL: N

DRWG: EIR-00010

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
1	010	A1552600		SPINE LABEL "8000"	N	1 I	EA B
2	010	A1551500		SCREENED GRAY BINDER	N	1 I	EA S
900	010	LABOR		LABOR, PRODUCTIVE	R	.22 I	LU M

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11:07:36

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1561500

RV: 00

UM: EA

BUYR: PLB

DESC: CALDUT-20

RUN LT:

5

FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T U M B
1		010	M1560500	PLUG, HEADER, 20P	N		1	I EA B
2		010	M1560700	COVER, HEADER, 20P	N		1	I EA B
3		010	M1566200	RESISTOR, FIXED, 1/4W, 1%, 39.2	N		1	I EA B
800		010	D1561501	CALDUT-20 PARTS LIST	X		1	O EA M

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11:07:39

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1561600

DESC: CALDUT-24

RV: 00

UM: EA

RUN LT:

5

FIXED LT:

1

BUYR: PLB

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T U M B
1		010	M1560600	PLUG, HEADER, 24P	N		1 I	EA B
2		010	M1560800	COVER, HEADER, 24P	N		1 I	EA B
3		010	M1566200	RESISTOR, FIXED, 1/4W, 1%, 39.2	N		1 I	EA B
800		010	D1561601	CALDUT-24 PARTS LIST	X		1 O	EA M

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FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1562500

DESC: DUT MODULE (DM32/16)

RV: 00

UM: EA

RUN LT:

5 FIXED LT: 1

PLNR: JDM

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
04	020	A1520700		HEAT SINK PLATE	N	1 I	EA B
05	020	M1559700		NUT, HEX, #8, SPEC	X	.03 I	C B
06	020	M1526400		PLUG, IDC, AMP-LATCH, SCREWLOCK, 50 P	N	4 I	EA B
08	020	M1563600		SCREW, BINDER, HEAD MACHINE	X	.11 I	C B
10	020	M1547300		SPACER, THREADED, 1/2"	X	.09 I	C B
11	020	M1547000		STANDOFF, 8-32 X 1" M-F	X	.02 I	C B
12	020	M1529900		STANDOFF, 8-32 X 1/2" M-F	X	.06 I	C B
13	020	M1529800		STANDOFF, SWIVEL, 1/2" M-M	X	.003 I	C B
14	020	A1535900		STRAIN RELIEF	N	1 I	EA B
16	020	M1546900		WASHER, #8, 3/8" NICKEL PLATED	X	.03 I	C B
17	020	M1558400		WASHER, LOCK, #8	X	.09 I	C B
18	020	A1567600		32 PIN DUT CIRCUIT ASSEMBLY	N	1 I	EA S
21	020	M1569200		BAG, ANTI-STATIC, 12 X 18	N	1 I	EA B
800	010	D1562501		DUT MODULE (DM32/16) PARTS LIST	X	1 O	EA M
900	010	LABOR		LABOR, PRODUCTIVE	R	.45 I	LU M

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11:07:49

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1562600

RV: 00

UM: EA

BUYR: PLB

DESC: PRINTED WIRE BOARD-DM32/16

RUN LT: 20 FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	PT	Q	M
USE	SEQN	COMPONENT	DESCRIPTION	PT	QUANTITY	T	UM B
700	010	T1562601	PWB PHYSICAL LAYOUT DATABASE DISK	T	1	0	EA M
700	010	T1562602	PWB PHYSICAL 1X POS MASK-COMP SID	T	1	0	EA M
700	010	T1562603	PWB PHYSICAL 1X POS MASK-SOLD SID	T	1	0	EA M
700	010	T1562604	PWB PHYSICAL 1X POS MASK-LEGEND	T	1	0	EA M
700	010	T1562605	PWB DRILL TAPE	T	1	0	EA M
701	010	T1562601	PWB PHYSICAL LAYOUT DATABASE DISK	U	1	0	EA M
701	010	T1562602	PWB PHYSICAL 1X POS MASK-COMP SID	U	1	0	EA M
701	010	T1562603	PWB PHYSICAL 1X POS MASK-SOLD SID	U	1	0	EA M
701	010	T1562604	PWB PHYSICAL 1X POS MASK-LEGEND	U	1	0	EA M
701	010	T1562605	PWB DRILL TAPE	U	1	0	EA M
800	010	D1562601	PWB MANUFACTURING SPECIFICATION	X	1	0	EA M
800	010	D1562602	PWB PHYSICAL LAYOUT-COMP SIDE	X	1	0	EA M
800	010	D1562603	PWB PHYSICAL LAYOUT-SOLDER SIDE	X	1	0	EA M
800	010	D1562604	PWB PHYSICAL LAYOUT-LEGEND	X	1	0	EA M
800	010	D1562605	PWB PHYSICAL LAYOUT-COMPOSITE	X	1	0	EA M
800	010	D1562606	PWB PARTS LIST	X	1	0	EA M

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DASH	DESCRIPTION	EIR	DATE	APPROVED

11:07:55
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1562700

RV: 00 UM: EA
BUYR: PLB

DESC: DUT I/O PANEL (UNSCREENED)
RUN LT: 20 FIXED LT: 1
PLN POL: N DRWG: EIR-00006

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
800	010	D1562701		DUT I/O PANEL DETAIL MECHANICAL	X	1 0 EA M	
800	010	D1562702		DUT I/O PANEL PARTS LIST	X	1 0 EA M	

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:07:58

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.

SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/23/1990

PARENT: A1566300

RV: 00

UM: EA

PLNR: JDM

DESC: THERMOCOUPLE SHORTING PLUG

RUN LT:

3

FIXED LT:

1

PLN POL: N

DRWG: EIR-00007

PT USE

SEQN

COMPONENT

STARTING:

PT

USE SEQN COMPONENT

DESCRIPTION

C

Q

M

T

QUANTITY T UM B

10 010 M1510100

PLUG, THERMOCOUPLE, INLINE

N

1 I EA B

800 010 D1566301

THERMO SHORTING PLUG PARTS LIST

X

1 O EA M

900 010 LABOR

LABOR, PRODUCTIVE

R

.1 I LU M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:08:00

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1566600

RV: 00

UM: EA

BUYR: PLB

DESC: PRINTED WIRE BOARD-DM40/16

RUN LT: 30 FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	DESCRIPTION	C T	Q T	M UM	B
700	010	T1566601	PWB PHYSICAL LAYOUT DATABASE DISK	T	1	0	EA M
700	010	T1566602	PWB PHYSICAL 1X POS MASK-COMP SID	T	1	0	EA M
700	010	T1566603	PWB PHYSICAL 1X POS MASK-SOLD SID	T	1	0	EA M
700	010	T1566604	PWB PHYSICAL 1X POS MASK-LEGEND	T	1	0	EA M
700	010	T1566605	PWB DRILL TAPE	T	1	0	EA M
701	010	T1566601	PWB PHYSICAL LAYOUT DATABASE DISK	U	1	0	EA M
701	010	T1566602	PWB PHYSICAL 1X POS MASK-COMP SID	U	1	0	EA M
701	010	T1566603	PWB PHYSICAL 1X POS MASK-SOLD SID	U	1	0	EA M
701	010	T1566604	PWB PHYSICAL 1X POS MASK-LEGEND	U	1	0	EA M
701	010	T1566605	PWB DRILL TAPE	U	1	0	EA M
800	010	D1566601	PWB MANUFACTURING SPECIFICATION	X	1	0	EA M
800	010	D1566602	PWB PHYSICAL LAYOUT-COMP SIDE	X	1	0	EA M
800	010	D1566603	PWB PHYSICAL LAYOUT-SOLDER SIDE	X	1	0	EA M
800	010	D1566604	PWB PHYSICAL LAYOUT-LEGEND	X	1	0	EA M
800	010	D1566605	PWB PHYSICAL LAYOUT-COMPOSITE	X	1	0	EA M
800	010	D1566606	PWB PARTS LIST	X	1	0	EA M

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REVISIONS				
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20:49:34
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1567000

RV: 00 UM: EA

PLNR: JDM

DESC: ITS8000 DIAGNOSTIC SOFTWARE

RUN LT: 3 FIXED LT: 1

PLN POL: N

DRWG: EIR-00015

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T UM B
800	010	D1567001		ITS8000 DIAG SOFTWARE PARTS LIST	X		1 0 EA	M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

11:08:09
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/23/1990

PARENT: A1567600

RV: 00

UM: EA

BUYR: PLB

DESC: 32 PIN DUT CIRCUIT ASSEMBLY

RUN LT: 15 FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	Q	M
					T	QUANTITY	T UM B
01	010	M1509600		CABLE, IDC, 50 COND, HI TEMP	N	12 I FT B	
02	010	A1562600		PRINTED WIRE BOARD-DM32/16	N	1 I EA B	
09	010	M1560900		SOCKET, 32 PIN, DIP, HI-TEMP	N	16 I EA B	
800	010	D1567601		32 PIN CIRCUIT ASSEMBLY PARTS LIS X		1 O EA M	

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

18:18:09
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1568900

RV: 00 UM: EA

BUYR: PLB

DESC: 20 PIN DUT CIRCUIT ASSEMBLY

RUN LT: 10 FIXED LT: 1

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	C T	Q QUANTITY	M T UM B	EFFECTIVITY IN OUT	LT OFFSET	SCR PCT
01	010	M1509600	N	12	I FT B	110789 123199	0	0.0
02	010	A1520300	N	1	I EA B	110789 123199	0	0.0
09	010	M1513300	N	16	I EA B	110789 123199	0	0.0
800	010	D1568901	X	1	O EA M	022190 123199	0	0.0

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

18:18:23
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1569300

RV: 00 UM: EA

BUYR: PLB

DESC: DM40/16 HEATSINK PLATE
RUN LT: 10 FIXED LT: 1
PLN POL: N DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	C	T	Q	QUANTITY	M	UM	B	EFFECTIVITY	LT	SCR
											IN	OUT	OFFSET PCT
800		010	D1569301	X		1	0	EA	M		022190	123199	0 0.0

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DASH	DESCRIPTION	EIR	DATE	APPROVED

14:57:29

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1569700

RV: 00

UM: EA

PLNR: JDM

DESC: "A2" SUBPARTITION FILLER

RUN LT: 0 FIXED LT: 0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	TUM B
10	010	M1529200		RACK, FILLER PANEL, 10 1/2"	N		1 I	EA B
11	010	M1536500		BOLT, HEX, 1/4" X 1/2"	X		.04 I	C B
800	010	D1569701		"A2" SUBPARTITION FILLER PARTS LI	X		1 O	EA M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

14:39:30
FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1569800

RV: 00 UM: EA
PLNR: JDM

DESC: "A3" SUBPARTITION FILLER
RUN LT: 0 FIXED LT: 0
PLN POL: N DRWG: EIR-00007

PT USE SEQN COMPONENT
STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	T UM B
10		010	M1553300	RACK, FILLER PANEL 12 1/4"	N		1	I EA B
11		010	M1536500	BOLT, HEX, 1/4" X 1/2"	X		.04	I C B
800		010	D1569801	"A3" SUBPARTITION FILLER PARTS LI	X		1	O EA M

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REVISIONS				
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14:57:35

FUNCTION: BILI

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1569900

RV: 00

UM: EA

PLNR: JDM

DESC: "A4" SUBPARTITION FILLER

RUN LT:

0

FIXED LT:

0

PLN POL: N

DRWG: EIR-00007

PT USE SEQN COMPONENT

STARTING:

PT	USE	SEQN	COMPONENT	DESCRIPTION	C	T	Q	M
							QUANTITY	TUM B
10	010	M1529200		RACK, FILLER PANEL, 10 1/2"	N		1 I	EA B
11	010	M1536500		BOLT, HEX, 1/4" X 1/2"	X		.04 I	C B
800	010	D1569901		"A4" SUBPARTITION FILLER PARTS LI	X		1 O	EA M

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REVISIONS				
DASH	DESCRIPTION	EIR	DATE	APPROVED

18:18:40
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1570200

RV: 00 UM: EA
BUYR: PLB

DESC: STRAIN RELIEF - DM40/16
RUN LT: 10 FIXED LT: 0
PLN POL: N DRWG: EIR-00009

PT USE SEQN COMPONENT
STARTING:

PT	USE	SEQN	COMPONENT	C	T	Q	QUANTITY	M	UM	B	EFFECTIVITY	LT	SCR
											IN	OUT	OFFSET PCT
800		010	D1570201	X		1	0	EA	M		022190	123199	0 0.0

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18:18:29
FUNCTION: BILL

SIENNA TECHNOLOGIES INC.
SINGLE LEVEL BILL
OPTION: A

PAGE 1
02/25/1990

PARENT: A1570300

RV: 00 UM: EA

PLNR: JDM

DESC: DUT MODULE (DM40/16)

RUN LT: 10 FIXED LT: 0

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT USE	SEQN	COMPONENT	C T	Q QUANTITY	M T UM B	EFFECTIVITY IN OUT	LT OFFSET	SCR PCT
01	010	A1569300	N	1	I EA B	113089 123199	0	0.0
05	020	M1559700	X	.03	I C B	110789 123199	10	0.0
06	020	M1526400	N	4	I EA B	110789 123199	10	0.0
08	010	M1563600	X	.11	I C B	111089 123199	0	0.0
10	020	M1547300	X	.09	I C B	110789 123199	10	0.0
11	020	M1547000	X	.02	I C B	110789 123199	10	0.0
12	020	M1529900	X	.06	I C B	110789 123199	10	0.0
13	020	M1529800	X	.003	I C B	110789 123199	10	0.0
14	020	A1570200	N	1	I EA B	113089 123199	0	0.0
16	010	M1546900	X	.03	I C B	111089 123199	0	0.0
17	020	M1558400	X	.09	I C B	110789 123199	10	0.0
18	020	A1570400	N	1	I EA S	113089 123199	0	0.0
21	020	M1569200	N	1	I EA B	020590 123199	0	0.0
800	010	D1570301	X	1	O EA M	022190 123199	0	0.0
900	010	LABOR	R	.45	I LU M	021790 123199	0	0.0

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FUNCTION: BILL

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SINGLE LEVEL BILL

OPTION: A

PAGE 1

02/25/1990

PARENT: A1570400

RV: 00

UM: EA

BUYR: PLB

DESC: 40 PIN DUT CIRCUIT ASSEMBLY

RUN LT:

10

FIXED LT:

0

PLN POL: N

DRWG: EIR-00009

PT USE SEQN COMPONENT

STARTING:

PT	SEQN	COMPONENT	C	Q	M	EFFECTIVITY	LT	SCR
USE			T	QUANTITY	T	UM	B	IN OUT OFFSET PCT
01	010	M1509600	N	12	I	FT	B	110789 123199 0 0.0
02	010	A1566600	N	1	I	EA	B	113089 123199 0 0.0
03	010	M1566900	N	16	I	EA	B	113089 123199 0 0.0
800	010	D1570401	X	1	O	EA	M	022190 123199 0 0.0

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