

TABLE A - FEATURES									
LINE	DESCRIPTION	AA	AB	AC	AD	AE	AF	AG	AH
		RATING	LIST	QTY.	CIRCUIT	FIG.	WIRING	APPARATUS	
A 1	FRAMEWORK ASSEMBLY, WIRING AND EQUIPMENT FOR ONE BATTERY PLANT, 208/240 VOLT 50/60 HZ INPUT, -48 VOLT, 300 AMPERE MAXIMUM OUTPUT. (PLANT EQUIPPED WITH ECS CONTROLLER, TWO RECTIFIER SHELF ASSEMBLIES, CHARGE/DISCHARGE BUS BARS, FUSE BOARD PANEL AND LOAD MONITORING SHUNT.) (SEE NOTE 69.)		1	1	T-82673-30	1,2,3, 4,5, H1,H3, H4,H5, H12, H3	Y		
2	SAME AS LIST 1, WITH LOW VOLTAGE DISCONNECT/RECONNECT FEATURE. (SEE NOTES 11,58,69.)		2	1	T-82673-30	1,2,3, 4,6, H1,H3, H4,H5, H12, HA	Z		
3	UNASSIGNED			3					
4	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 OR 2 FOR ONE SWITCH MODE RECTIFIER, (MAX. 3 PER RECTIFIER SHELF, MAX. 6 PER ECS CONTROLLER.) (SEE NOTE 21.)		4		T-82673-30	4,H5			
B 5	OPTIONAL EQUIPMENT FOR PLANT CONTROLLER TO PROVIDE MICROPROCESSOR CIRCUIT PACK (CP2). CP2 PROVIDES REMOTE/LOCAL MONITORING AND CONTROL FUNCTIONS. (SEE NOTES 21,68.)		5		T-82673-30	H14			
6	OPTIONAL EQUIPMENT IN ADDITION TO LIST 1 OR 2 TO PROVIDE A CAPACITOR CHARGE PANEL FOR CIRCUIT BREAKER PANELS (EQUIPPED WITH A CHARGE SWITCH) TO PRECHARGE HIGH INRUSH LOADS. (MAX. 1 PER LIST 1 OR 2.)		6	1	T-82673-30	18	P		
7	SAME AS LIST 5 (CP2), WITH VOICE RESPONSE FEATURE. (SEE NOTES 21,68.)		7	1	T-82673-30	H15			
8	OPTIONAL EQUIPMENT FOR PLANT CONTROLLER TO PROVIDE DATALOGGER CIRCUIT PACK (CP3). CP3 IS A DATA ACQUISITION CIRCUIT PACK THAT ALWAYS REQUIRES A LIST 5 OR 7 CP2 CIRCUIT PACK. (SEE NOTES 21,71.)		8	1	T-82673-30	H15			
C 9	SAME AS LIST 8 (CP3), WITH REMOTE TERMINATION PANEL. THE REMOTE TERMINATION PANEL ALLOWS EXTERNAL CONNECTION TO THE CP3 CIRCUIT PACK FROM OUTSIDE THE CONTROLLER. (SEE NOTES 21,71.)		9	1	T-82673-30	H15			
20	LIST A-R REQUIRED IN ADDITION TO LIST 1 OR 2 TO PROVIDE FEEDER CABLES AND BLANK PANELS. SPECIFY ONLY ONE LETTERED LIST A-R WHEN LIST 1 OR 2 IS EQUIPPED WITH THE FOLLOWING ED-83182-30 GROUPS: (SEE NOTE 67.)								
21	ONE GROUP 1 (SEE FIGURE A).		A	1	T-82673-30	8			
22	ONE GROUP 1 AND [ONE GROUP 2 OR 6] (SEE FIGURE C.)		B	1	T-82673-30	8			
23	ONE GROUP 1 AND ONE GROUP 3 (SEE FIGURE D.)		C	1	T-82673-30	8,9,17			
24	ONE GROUP 1 AND ONE GROUP 4 (SEE FIGURE E.)		D	1	T-82673-30	8,13			
25	[ONE GROUP 2 OR 6] AND [ONE GROUP 2 OR 6] (SEE FIGURE F.)		E	1	T-82673-30	8,14			
26	[ONE GROUP 2 OR 6] AND [ONE GROUP 2 OR 6] (SEE FIGURE G.)		F	1	T-82673-30	9,17			
27	[ONE GROUP 2 OR 6] AND ONE GROUP 3 (SEE FIGURE H.)		G	1	T-82673-30	9,13, 17			
28	[ONE GROUP 2 OR 6] AND ONE GROUP 4 (SEE FIGURE J.)		H	1	T-82673-30	9,14, 17			
29	ONE GROUP 3 (SEE FIGURE K.)		J	1	T-82673-30	13			
30	TWO GROUP 3 (SEE FIGURE L AND NOTE 59.)		K	1	T-82673-30	13			
31	ONE GROUP 3 AND ONE GROUP 4 (SEE FIGURE M AND NOTE 23.)		L	1	T-82673-30	13,14			
32	ONE GROUP 4 (SEE FIGURE N.)		M	1	T-82673-30	14			
33	TWO GROUP 4 (SEE FIGURE P.)		N	1	T-82673-30	14			
34	TWO GROUP 1 AND [ONE GROUP 2 OR 6] (SEE FIGURE Q.)		O	1	T-82673-30	8,9,17			
36	ONE GROUP 1 AND [TWO GROUP 2 OR 6] (SEE FIGURE R.)		P	1	T-82673-30	8,9,17			
40	OPTIONAL EQUIPMENT FOR PLANT CONTROLLER EQUIPPED WITH LIST 5 (CP2). PROVIDES AN UPGRADE KIT TO ADD THE VOICE RESPONSE FEATURE TO CP2. (SEE NOTE 21,60.)		K10	1	T-82673-30	H15			
50	FRONT STILE STRIP APPEARANCE KIT. (RIGHT AND LEFT SIDES, MAX. 1 PER LIST 1 OR 2.)		KA						
F 51	END PANEL APPEARANCE KIT FOR EITHER END OF A BAY LINEUP. (MAX. 2 PER BAY LINEUP.) (SEE NOTE 21.)		KB						

TABLE C - WIRING PROVIDED INFORMATION									
LINE	CIRCUIT NAME	SCHEMATIC	WRG DIAGRAM	FIGURE	OPT WIRING	WIRED	REMARKS		
1	POWER PLANT	SD-82673-01	T-82673-30						
WIRING PROVIDED BY THE SHOP									
TABLE C - WIRING PROVIDED INFORMATION									
7	RECTIFIER SHELF ASSEMBLY	=J857028-1	14						
6	SD FOR DISTRIBUTION ASSY	SD-82673-01	13						
5	LVD/FUSE POWER SUPPLY PANEL	=ED-83246-30	12						
4	CAPACITOR CHARGE PANEL ASSY	=ED-83188-30	11						
3	DISTRIBUTION ASSEMBLY	=ED-83182-30	10						
2	CENTRAL OFFICE TYPE FRAMEWORK	=ED-97735-70	9	ECS BATTERY PLANT			T-82673-30		
1	CABLE ASSEMBLIES	=H-285-226	8	CONTROLLER			J85501D-1		
= DENOTES NOT REQUIRED BY INSTALLER									
TABLE D - LIST OF ASSOCIATED DRAWINGS									
DA	DB	DA	DB						

### MANUFACTURING NOTES

- ( ) - DESIGNATIONS TO BE STAMPED IN ACCORDANCE WITH JOB INFORMATION.
- [ ] - INDICATES DESIGNATIONS SHOWN FOR INFORMATION ONLY AND ARE NOT TO BE STAMPED.
- < > - INDICATES INFORMATION PROVIDED IN ACCORDANCE WITH OTHER INFORMATION.
- SD - PARTS THAT ARE TO BE SHIPPED ATTACHED TO OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM.
- S - ITEMS NOT ASSEMBLED WITH BUT SHIPPED SEPARATELY FROM THE EQUIPMENT.
- EQUIPMENT SHALL BE MOUNTED IN THE FRAME POSITIONS AS SPECIFIED BY TABLE U.
- IF TWO ED-83182-30 G3 ARE SPECIFIED, LOCATE UNITS IN POSITIONS 41-52 AND 53-64.
- SHIELD IS MOUNTED WITH ONE (1) SCREW IN SLOTTED HOLE. MOUNT ON FRONT LEFT SIDE OF FRAME FOR LIST 1 OR MOUNT ON FRONT LEFT AND RIGHT SIDES AS SHOWN FOR ED83182-30 G3.
- A WASHER AND NUT ARE OMITTED WHEN FEEDER CABLE CONNECTION USES A PEM NUT.
- SWITCHES AND JUMPERS ON J85501D-1 CONTROLLER SHALL BE SET AS PART OF FACTORY TEST. SETTINGS ARE GIVEN IN TABLE R. DIP SWITCH AND JUMPER LOCATIONS ARE GIVEN ON SHEET F1.
- THE BADI CIRCUIT PACK (CP5) SHALL BE CONFIGURED FOR A -42.5 VOLT LOW VOLTAGE DISCONNECT AS PART OF THE FACTORY TEST. SETTINGS ARE GIVEN IN TABLE S. JUMPER LOCATIONS ARE SHOWN IN FIGURE AJ ON SHEET F1.
- PRINT CHARACTERS ON LABEL, ITEM 76 AS FOLLOWS:  
SERIAL NUMBER: XXXXXXXXXXXX    DATE: XXXXX  
MODEL NUMBER: J85500G-1    LX: XXXXX  
INPUT: 208/240 VAC 50/60 HZ  
15 AMPERES PER RECTIFIER  
OUTPUT: -54 VDC, 300 AMPERES  
SD: 82673-01
- IF AN ED-83182-30 G2 AND AN ED-83182-30 G6 ARE ORDERED, LOCATE G2 IN POSITION 44-49 AND G6 IN POSITION 59-64.
- STAMP THE CHARACTER 'Z' USING A CHARACTER SIZE OF 1/8 INCH TO THE RIGHT OF THE WORD 'OPTION' IN THE STAMPING AREA SHOWN IN SECTION H-H ON SHEET C2.
- INSERT PRODUCT MANUALS AS PROVIDED BY LISTS 1 AND 2 INTO 106065485 BINDER.
- FOR EASE OF RECTIFIER INSTALLATION AND FUTURE GROWTH, IT IS RECOMMENDED THAT ALL THREE AC INPUTS TO THE RECTIFIER SHELF ASSEMBLY (RSA) BE WIRED AT INITIAL INSTALLATION. AC INPUT SHOULD ENTER RSA FROM THE RIGHT. APPROPRIATE LUGS FOR 10 AWG WIRE ARE FURNISHED. REFER TO LABEL ON J857028-1 RSA (REPRODUCED IN FIGURE AD ON SHEET F2) FOR WIRE ROUTING. RECOMMENDED AC FITTINGS, CRIMP TOOLS AND TORQUE VALUE.
- INSTALLER SHALL ROUTE WIRING FOR OFFICE ALARMS IN J85501D-1 CONTROLLER AS SHOWN IN FIGURE AM ON SHEET F1. THIS INFORMATION IS ALSO PRESENTED ON THE 113A CONTROL UNIT FIELD CONNECTION PATH LABEL. OFFICE ALARM CONNECTION INFORMATION IS PRESENTED IN T-82673-30 AND ON LABEL LOCATED ON INSIDE OF J85501D-1 CONTROLLER DOOR.
- THE INTERNAL SELECTIVE HIGH VOLTAGE SHUTDOWN LEVEL AND LOAD SHARE ENABLE/DISABLE FEATURE ON THE LIST 4 RECTIFIER ARE SET WITH DIP SWITCH 701. THE LOCATION OF DIP SWITCH 701 IS GIVEN IN FIGURE AP ON SHEET F2. REFER TO THE LABEL LOCATED ON THE FRONT OF THE RECTIFIER FOR DIP SWITCH SETTINGS. THIS TABLE IS REPRODUCED IN FIGURE AP ON SHEET F2.
- WHEN ED-83182-30 PANELS ARE ASSEMBLED ON THE FRAME, THE ASSOCIATED CHANNELS SHOULD BE DISCARDED.
- A SECOND ED-83182-30, G4 MAY BE LOCATED IN POSITION 47-52.
- EQUIPMENT TO BE FIELD MOUNTED BY INSTALLER.
- UNLESS OTHERWISE SPECIFIED, ALL COMPONENTS ARE MOUNTED USING 90107817 SCREWS.
- THE CABLING SPACE BETWEEN THE G4 AND G3 PANELS IS TIGHT. CARE MUST BE TAKEN IN ROUTING THE LOAD FEEDER CABLES FOR THE G3 PANEL.

### ENGINEERING NOTES

- INFORMATION FURNISHED PER THIS DRAWING IS IN ACCORDANCE WITH THE PRODUCT MANUAL SPECIFIED BY AT&T 167-790-030.
- THE FRAMEWORK HAS 76 EQUAL MOUNTING POSITIONS OF ONE INCH, NUMBERED 1 TO 76 BOTTOM UP.
- UNASSIGNED.
- AT&T VALVE REGULATED (VR) BATTERIES MOUNTED IN A NETWORK BAY FRAME CAN BE USED FOR DC RESERVE AND ARE ORDERABLE FROM J85500D-1 OR ED-83242-30. GENERAL TRADE FLOODED LEAD-ACID BATTERIES CAN ALSO BE USED.
- FOR GROWTH UPGRADES OF DISTRIBUTION PANELS REFER TO TABLE AH FOR FEEDER CABLE AND BLANK PANEL COMCODES AND FIGURE A-R FOR CONFIGURATIONS ALLOWABLE AND QUANTITIES REQUIRED.
- LIST 1 & 2 PROVIDE BOTH CHARGE AND DISCHARGE PLANT BUS BARS. IF MORE DISCHARGE RETURN TERMINATION POINTS ARE NEEDED, AN EXTERNAL DISCHARGE RETURN BAR CAN BE ADDED TO A CABLE RACK OR FRAME PER ED-83244-30, G1. THE EXTERNAL DISCHARGE RETURN BARS ARE RATED FOR 600 AMPS.  
A 4/0 CABLE EQUIPPED WITH TWO HOLE LUGS ON EACH END TO CONNECT THE EXTERNAL RETURN BUS BAR IS ORDERABLE PER COMCODE 846376176 (5 FOOT LENGTH) OR COMCODE 846376184 (10 FOOT LENGTH).

### ENGINEERING NOTES (CONTD)

- THE J85501D-1 CONTROLLER IS CONFIGURED BY THE SHOP WITHOUT EQUALIZE CHARGING. (SEE TABLE R.) IN ADDITION, THE FOLLOWING ALARM LEVELS ARE SET:  
ALARM LEVEL  
BD = -53.0V  
HV (FLOAT) = -55.0V  
HV (EQUALIZE) = -57.0V (DISABLED)  
TO CONFIGURE THE CONTROLLER WITH OTHER SETTINGS, THE ENGINEER SHALL PROVIDE THE INSTALLER WITH THE NECESSARY INFORMATION PER J85501D-1 DRAWING.
- A LIST 2 PLANT IS FACTORY CONFIGURED FOR A -42.5 LOW VOLTAGE DISCONNECT. TO CONFIGURE THE PLANT WITH A -40.5 LOW VOLTAGE DISCONNECT, THE INSTALLER SHALL CONNECT JUMPERS J505.1 AND J505.2 ON THE BADI CIRCUIT PACK (CP5) ACROSS PINS 2 AND 3 OF P505.1 AND P505.2 RESPECTIVELY. SEE TABLE S. JUMPER LOCATIONS ARE GIVEN IN FIGURE AJ ON SHEET F1.
- IF TWO ED-83182-30 G3'S ARE ORDERED, A CAPACITOR CHARGE PANEL IS NOT ALLOWED. ALSO, CABLING SPACE IS TIGHT FOR THE LOWER G3 PANEL. THE LARGER BREAKERS, REQUIRING LARGER LOAD RETURN CABLE, SHOULD BE POSITIONED IN THE TOP PANEL.
- LIST K10, CP2 UPGRADE KIT, INCLUDES TWO EPROMS TO BE ADDED TO AN EXISTING CP2 BOARD TO PROVIDE THE VOICE RESPONSE FEATURE. IF A COMPLETE CP2 BOARD WITH VOICE RESPONSE IS REQUIRED, SPECIFY LIST 7.
- SPARE PARTS SHALL BE PROVIDED PER TABLE T AND FURNISHED ONLY IN ACCORDANCE WITH CUSTOMER REQUEST.
- THE GROUP 1 PANEL CONTAINS 3 INDIVIDUAL FUSE BLOCKS, EACH OF WHICH CAN ACCOMMODATE UP TO 8 LOAD FUSES FOR A TOTAL OF UP TO 24 PER PANEL. REFER TO TABLE AC FOR FUSE SPECIFICATIONS. LOAD FUSES ARE ORDERED ON A JOB BASIS AND ARE NOT PART OF THE EQUIPMENT ORDER.  
THE FOLLOWING RESTRICTIONS APPLY TO G-1 FUSES:  
THE MAXIMUM FUSING FOR EACH FUSE BLOCK IN GENERAL SHALL NOT EXCEED 80 AMPERES (240 AMPERES MAXIMUM PER FUSE PANEL). REFER TO SD-82673-01, NOTE 310, FOR DETAILED GUIDELINES FOR MAXIMUM FUSING.  
IF FUSES LARGER THAN 15 AMPS ARE USED, ANY ADJACENT FUSE BLOCK POSITION SHOULD BE LEFT UNOCCUPIED.  
WHERE POSSIBLE IT IS ALSO RECOMMENDED TO EVENLY DISTRIBUTE THE POWER THROUGHOUT THE FUSE BLOCK.
- THE GROUP 2 PANEL CONTAINS 8 INDIVIDUAL FUSE BLOCKS, EACH ACCOMMODATING A SINGLE FUSE. REFER TO TABLE AD FOR FUSE SPECIFICATIONS. LOAD FUSES MUST BE ORDERED ON A JOB BASIS AND ARE NOT PART OF THE EQUIPMENT ORDER.
- ONE BREAKER IS PROVIDED PER LETTERED GROUP FOR GROUP 3 PANEL, MAX. EIGHTEEN PER CONFIGURATION 1 AND FIFTEEN PER CONFIGURATION 2. WITH ITS CHARGE SWITCH IS USED WITH CAPACITOR CHARGE PANEL, LIST 6.
- ONE BREAKER EQUIPPED WITH AN INTERNAL SHUNT AND CHARGE SWITCH IS PROVIDED PER LETTERED GROUP, MAX. TWO BREAKERS FOR GROUP 4 PANEL.
- TWO BREAKERS EQUIPPED WITH AN INTERNAL SHUNT, CHARGE SWITCH AND LOW VOLTAGE LOAD DISCONNECT ARE PROVIDED PER LETTERED GROUP FOR EACH GROUP 6 PANEL.
- IDENTIFY BREAKER AND FUSE PANELS DESIRED FROM ED-83182-30 TABLE A. SEE FIGURE A-R FOR ALLOWED COMBINATIONS. ED-83182-30 ORDERING INFORMATION IS REPRODUCED IN TABLES AB-AG.
- LIST 5, MICROPROCESSOR BOARD CP2 (NO VOICE RESPONSE), AND LIST 7, CP2 (WITH VOICE RESPONSE), ARE PLUG-IN BOARDS USED IN THE ECS CONTROLLER. LIST 5 AND 7 INCLUDE A CP2 BOARD, ITS BACKUP BATTERY AND PRODUCT MANUAL. A SAMPLE ORDER FOR A G-1 PLANT, STILE STRIPS, (3) 50-AMPERE RECTIFIERS, ED-83182-30 GROUP 3 AND GROUP 4 CIRCUIT BREAKER PANELS WITH (18) 50-AMP BREAKERS AND (2) 200-AMP BREAKERS, FRAMEWORK AND SUPPORT BASE FOR MOUNTING AT&T VR BATTERIES AND 2 STRINGS OF AT&T VR BATTERIES, WOULD LOOK LIKE THE FOLLOWING:  
ITEM    QTY.    DESCRIPTION  
1       1       J85500G-1 LIST 1  
1       1       e/w LIST KA  
3       3       e/w LIST 4  
1       1       e/w ED-83182-30, G-3, e/w (18) U  
1       1       e/w ED-83182-30, G-4, e/w (2) BK  
1       1       e/w LIST M  
2       1       J85500D-1 LIST 3  
3       1       J85500D-1 LIST 21  
4       1       J85500D-1 LIST K22  
70. WHEN ORDERING ED-83182-30 G-2,3 OR 4 PANELS, THE FUSE OR BREAKER POSITIONS MUST BE SPECIFIED. POSITIONS ARE NUMBERED FROM LEFT TO RIGHT FOR G-2 AND G-3 AND FROM RIGHT TO LEFT FOR G-4. FOR EXAMPLE, IF 9 LETTER GROUP AB BREAKERS AND 9 LETTER GROUP AF BREAKERS ARE ORDERED WITH THE GROUP 3 PANEL, POSITION INFORMATION COULD LOOK LIKE THE FOLLOWING:  
ED-83182-30, G-3  
e/w (9) AF POS. 1-9  
e/w (9) AB POS. 10-18  
71. LIST 8, DATALOGGER BOARD CP3, AND LIST 9, CP3 WITH REMOTE TERMINATION PANEL, ARE PLUG-IN BOARDS USED IN THE ECS CONTROLLER. LIST 8 AND 9 INCLUDE A CP3 BOARD, A SET OF CURRENT LIMITING RESISTOR ASSEMBLIES AND A PRODUCT MANUAL. IN ADDITION, LIST 9 INCLUDES A REMOTE TERMINATION PANEL.

### TABLE AA

#### RECOMMENDED DOUBLE HOLE TERMINAL LUGS

KS-5482 WIRE	KS-20921 WIRE	WP-91412 LIST	COMCODE	BOLT SIZE	CENTERS	DIE
10	10			10	0.62	
8	8	52	405348178	10	0.62	RED
8	8			0.25	0.62	RED
6	6	3	405347519	0.25	0.62	BLUE
4	4	5	405347576	0.25	0.62	GREY
2	2	54	405348202	0.25	0.62	BROWN
2	2	8	405347683	0.25	0.62	GREEN
1/0		56	405348228	0.38	1.0	PINK
1/0	1/0			0.38	1.0	BLACK
2/0		57	405348236	0.38	1.0	BLACK
2/0	2/0			0.38	1.0	ORANGE
4/0		59	405348251	0.38	1.0	PURPLE
4/0	4/0	27	405347923	0.38	1.0	YELLOW

#### MOUNTING HARDWARE REQ'D PER EQUIPPED POS.

BOLT SIZE	COM-CODE	QTY.	DESCRIPTION
	840059851	2	SCREW, PHM
	802841510	2	WASHER, PLN
	802235127	2	WASHER, SPG
	800812935	2	NUT, HEX
	801256165	2	SCREW, HH CAP
0.25	802841577	4	WASHER, PLN
	80182957	2	WASHER, SPG
	841064751	2	NUT, HEX
	80125759	2	SCREW, HH CAP
0.375	802841635	4	WASHER, PLN
	801829607	2	WASHER, SPG
	841064777	2	NUT, HEX

### TABLE AB

(SEE FIGURE A-R FOR ALLOWED COMBINATIONS)

#### ED-83182-30 ORDERING REFERENCE

GROUP NO.	DESCRIPTION
1	FUSE PANEL FOR 24 FUSES (1 TO 30 AMPS) [SEE TABLE AC]
2	FUSE PANEL FOR 8 FUSES (1 TO 60 AMPS) [SEE TABLE AD]
3	BREAKER PANEL FOR 18 CIRCUIT BREAKERS OR 15 CIRCUIT BREAKERS WITH CHARGE SWITCH (5 TO 100 AMPS) [SEE TABLE AE]
4	BREAKER PANEL FOR 2 CIRCUIT BREAKERS (100 TO 225 AMPS) EQUIPPED WITH CHARGE SWITCH AND INTERNAL SHUNTS. [SEE TABLE AF]
6	BREAKER PANEL FOR 2 CIRCUIT BREAKERS (125 TO 250 AMPS) EQUIPPED WITH CHARGE SWITCH, INTERNAL SHUNTS AND LOW VOLTAGE DISCONNECT. [SEE TABLE AG]

### TABLE AC (SEE NOTE 62)

#### ED-83182-30, GROUP 1 ORDERING GUIDE

SIZE	TYPE	RANGE (AMPS)	ORDER INFORMATION PER PANEL
9/32 X 1-1/4 INCH	KS-19870	1-30	=/W ED-83182-30, G-1

### TABLE AD (SEE NOTE 63,70)

#### ED-83182-30, GROUP 2 ORDERING GUIDE

TYPE	SIZE	RANGE (AMPS)	GROUP	QTY. (MAX. 8 TOTAL)	ORDER INFORMATION
CARTRIDGE	9/16 X 2 INCH	1-30	H	?	E/W ED-83182-30, G-2,(?)G-H,(?)G-J
	1-5/16 X 3 INCH	31-60	J	??	

NDD85500G1D-1									
AFD R/J/P	MAO M/J/M	8-15-90 1							
ADDED INFO ON CP2 (W/VOICE) AND CP3 TO TABLE A. UPDATED NOTE 12, 17, 56, 67, 68. MOVING NOTE 60 TO 23. ADDED NOTE 60,71. ADDED CP3 TO TABLE T. ADDED TO S/L. CC 846575199, 846575223, 84653282, 846518894 CHG TO CENTER CTRL. & RECT. CONTROLLER MOUNTING BRACKETS 846303519, WERE 846579490 & 846579508 (FIG. 1,2, VIEW C-C SECT. G-G). RECTIFIER MNTG BRACKETS, 846579647, WERE 846579647, LEFT AND 846579670, RIGHT (FIG.1, FIG.2, VIEW C-C) FIG.1, RIGHT SIDE: ADDED "REF" TO 15.00 DIM. FIG.2, REAR VIEW: ADDED "( )" TO CHARGE BUS, "(+)" TO CHARGE RETURN. SECT.M-M: ADDED "J85501D-1 LE, L' CP3 CIRCUIT PACK (P/O LIST 8 AND 9)" ADDED "LE AND (P/O LIST 7)", FIG. AK: "SLOT FOR CP3 DATALOGGER BOARD" WAS "J85501D-1 CONTROLLER EXPANSION SLOT."									
PDI J85500G-1.DJB CL B									
AFD	MAO	9-20-90 2							
SHD1 & B1 CHANGED SINGLE BAY FRAME 846939635 WAS ED97735-70 GRP 6,IT 15 "L3" WAS "L1", IT 102 WAS 846303519, IT 166 & 167 WERE 105707152 & 106497449 RESP. ADDED IT 124 & 125.									
PT ISS 2,1 PDI 93ESDUQ072 CL ME									
NBB	MAO	-01-02-93 3							

SHEET	ISSUE	3	2	3	2	2	2
SH NO	A1	A2	B1	B2	B3	B4	
ISSUE	1	2	1	1	1	3	
SH NO	C1	C2	C3	C4	C5	D1	
ISSUE	2	1	1				
SH NO	F1	F2	G1				

POWER SYSTEMS SPECIFICATION FOR LINEAGE 2000 ECS BATTERY PLANT 208/240 VAC 50/60 HZ INPUT -48 VOLT 300 AMPERES MAXIMUM OUTPUT									
USED ON DRAWING									
COPYRIGHT © 1993 AT&T ALL RIGHTS RESERVED									
SCALE: 1/4"									
DISTN CODE: AM10									
SHEET A1 OF 15									
ISSUE 3									
DWG SIZE C.3									
PRINTED IN U.S.A.									



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TABLE AD (SEE NOTE 63.70)						
ED-83182-30, GROUP 2 ORDERING GUIDE						
LOAD FUSE						
TYPE	SIZE	RANGE (AMPS)	GROUP	QTY (MAX. 8 TOTAL)	ORDER INFORMATION	
CARTRIDGE	9/16 X 2 INCH	1-30	H	?	E/W ED-83182-30, G-2,(?)G-H,(??)G-J	
	1-5/16 X 3 INCH	31-60	J	??		

TABLE R: CONTROLLER FACTORY SETTINGS (SEE NOTES 10,57,58)					
JUMPER SETTINGS					
BACKPLANE 846199602			113A CONTROL UNIT		
HEADER	JUMPER PINS	FUNCTION	HEADER	JUMPER PINS	FUNCTION
P602.1	2 & 3	48 VOLTS	P105	1 & 2	RESTART
P602.2	2 & 3	48 VOLTS	P106	1 & 2	FLOAT
P602.3	2 & 3	48 VOLTS	P108	1 & 2	FOR LIST 4 RECTIFIERS
P602.4	2 & 3	48 VOLTS			

TABLE AE (SEE NOTE 64.70)						
ED-83182-30, GROUP 3 ORDERING GUIDE						
CIRCUIT BREAKER SPECIFICATION						
CONFIG-URATION	MAX. BREAKERS PER PANEL	CAPACITY (AMPS)	TYPE	ORDER INFORMATION		
				FOR PANEL	EQUIPPED WITH LETTER GROUP	
1	18	10	KS-22010	E/W ED-83182-30, G-3,G-A	AA	
					AB	
					AD	
					AF	
					S	
					U	
					V	
					X	
					Z	
					AA	
2	15	10	KS-22010	E/W ED-83182-30, G-3,G-A,G-G	AA	
					AB	
					AD	
					AF	
					S	
					U	
					V	
					X	
					Z	
					AA	

TABLE S: LOW VOLTAGE DISCONNECT SETTINGS (BAD1 CKT PACK-CPS) (SEE NOTES 11,58)		
HEADER	JUMPER PINS	FUNCTION
P505.1,P505.2	1 & 2	-42.5 VOLTS
P505.1,P505.2	2 & 3	-40.5 VOLTS

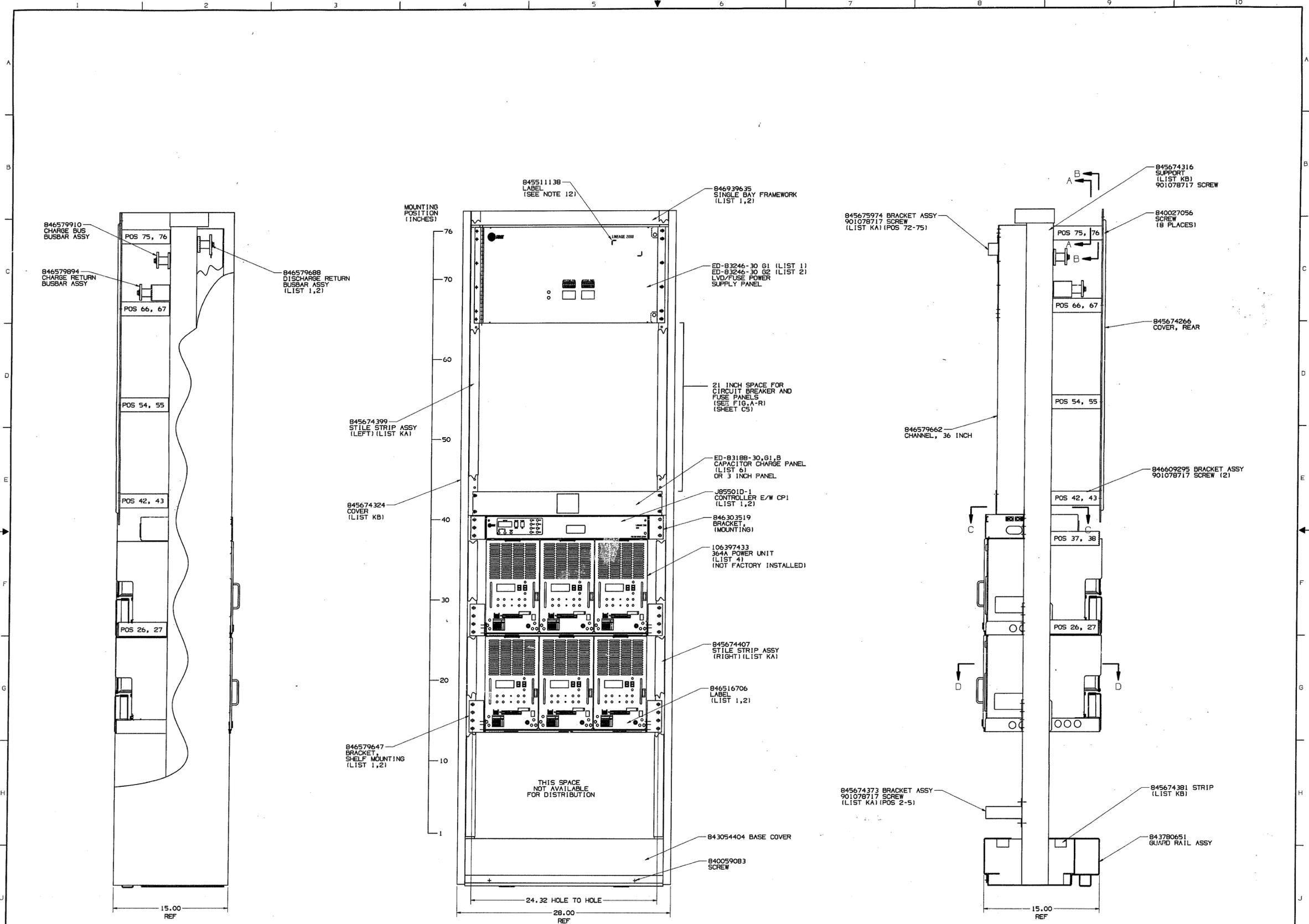
TABLE U: EQUIPMENT POSITIONING GUIDELINES FOR MANUFACTURING PERSONNEL		
DESCRIPTION	POSITIONS OCCUPIED	MOUNTING LOCATIONS
BUS BAR ASSY, DISCHARGE RIN	3	74-75
BUS BAR ASSY, CHARGE BUS	2	72-73 (REAR)
BUS BAR ASSY, CHARGE RIN	2	68-69 (REAR)
LOW VOLTAGE DISCONNECT/RECONNECT	8	66-73
RECTIFIER SHELF ASSY #1	4	26-28
RECTIFIER SHELF ASSY #2	4	14-16
ECS CONTROLLER	3	38-40
REAR COVER, CLEAR	38	39-76
(24) 1-30A FUSE PANEL ED-83182-30,G1	3	56-58,62-64,50-52
(8) 1-60A FUSE PANEL ED-83182-30,G2	6	59-64,44-49
(18) 5-100A BREAKER ED-83182-30,G3 (SEE NOTE 7)	12	44-55
(15) 5-100A BREAKER E/W CHRNG SWITCH ED-83182-30,G3,G (SEE NOTE 7)	12	44-55
(2) 100-225A BREAKER ED-83182-30,G4 (SEE NOTE 20)	6	59-64
(2) 125-250A BREAKER E/W LVD/R ED-83182-30,G6	6	59-64,44-49
CAP CHRNG PNL, ED-83188-30,G1,B	3	41-43

TABLE AF (SEE NOTE 65.70)			
ED-83182-30, GROUP 4 ORDERING GUIDE			
CIRCUIT BREAKER SPECIFICATION			
CAPACITY (AMPS)	TYPE	ORDER INFORMATION	
		FOR PANEL	EQUIPPED WITH LETTER GROUP
100	KS-22012	E/W ED-83182-30, G-4	BE
150			BH
200			BK
225			BL

TABLE AG (SEE NOTE 66)						
ED-83182-30, GROUP 6 ORDERING GUIDE						
CIRCUIT BREAKER SPECIFICATION						
CONFIG-URATION	DISCONNECT VOLTAGE	CAPACITY (AMPS)	TYPE (HEINEMANN)	ORDER INFORMATION		
				FOR PANEL	EQUIPPED WITH LETTER GROUP	
1	41.4	125	GJ2-Z10-3	E/W ED-83182-30, G-6,G-BT	-2	BM
		175			-5	BP
		250			-8	BS
2	44.02	125	GJ2-Z10-3	E/W ED-83182-30, G-6,G-BW	-2	BM
		175			-5	BP
		250			-8	BS

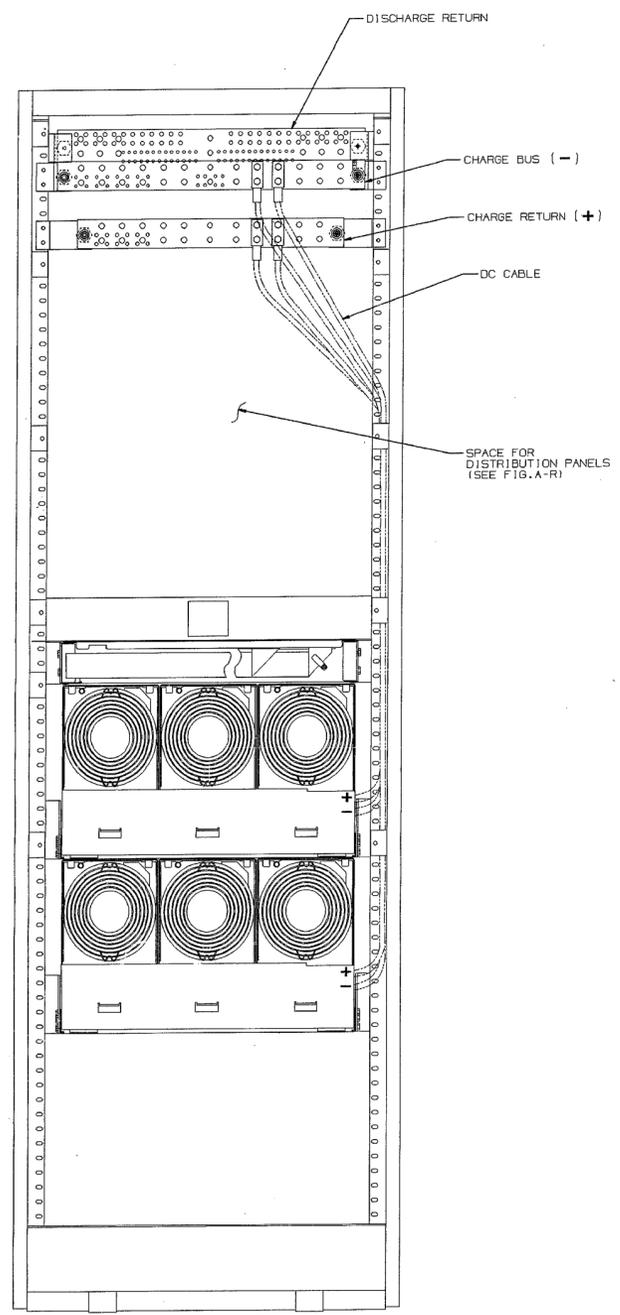
TABLE AH (SEE NOTE 55)	
DISTRIBUTION PANEL FEEDER CABLES, BLANK PANELS AND HARDWARE	
ORDERING REFERENCE	
ORDERING CODE	DESCRIPTION
H285-226, L-36	14" LONG 2/0 CABLE FEEDER
H285-226, L-37	16" LONG 2/0 CABLE FEEDER
H285-226, L-38	27" LONG 2/0 CABLE FEEDER
H285-226, L-39	33" LONG 2/0 CABLE FEEDER
H285-226, L-40	38" LONG 2/0 CABLE FEEDER
843780008	3" BLANK PANEL
843780016	6" BLANK PANEL
843780024	9" BLANK PANEL
901078717	SCREW, HHSWT .216-24X.625
801273129	SCREW, HHC .375-16X1
814251898	WASHER, PLAIN .401X1.015X.056
841084777	NUT, HEX .375 E-D
801829607	WASHER, LOCK .375 E-D

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AT&T	DJ	J85500G-1
SHEET A2	ISSUE 2	DWG SIZE C3

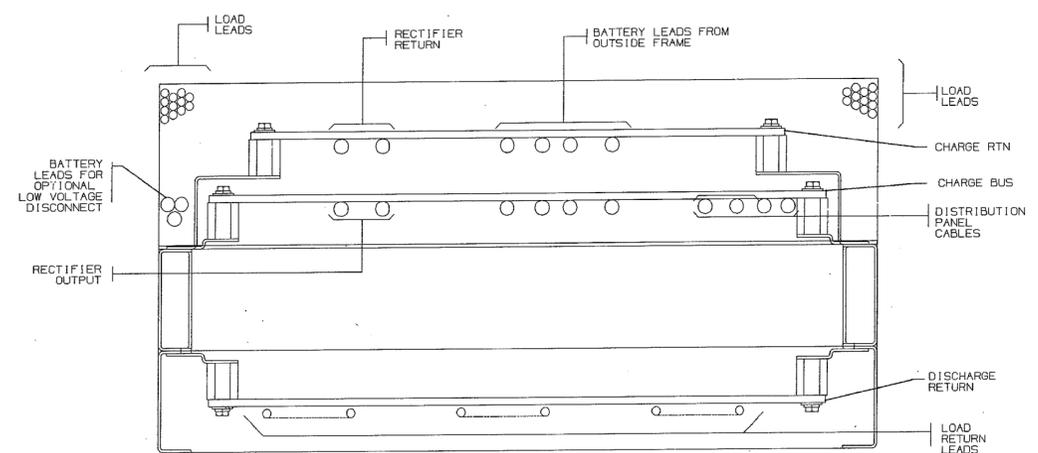


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SHEET	ISSUE	DWG SIZE
B1	3	C3
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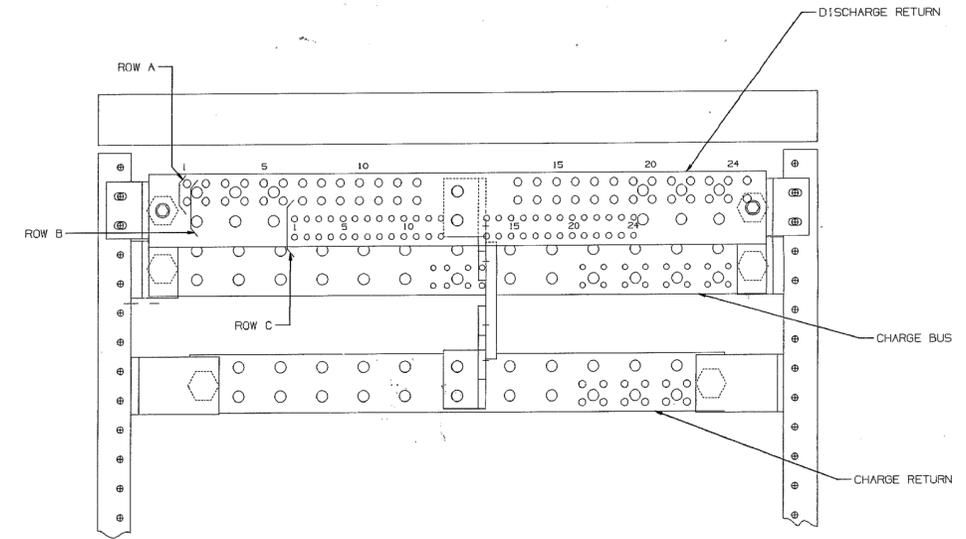
MAR 8 1990
   
 RED ORIGINAL



REAR VIEW  
RECTIFIER OUTPUT WIRING



TOP VIEW  
CABLING ARRANGMENT

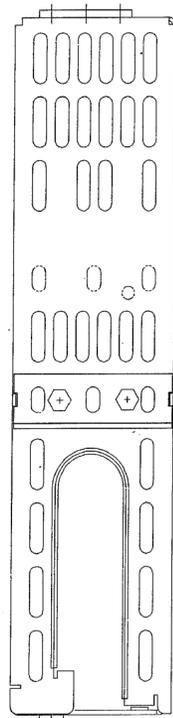


FRONT VIEW  
CHARGE AND DISCHARGE BUSBARS  
(ARBITRARY TERMINATION POINT  
NUMBERING SCHEME SHOWN  
FOR REFERENCE ONLY)

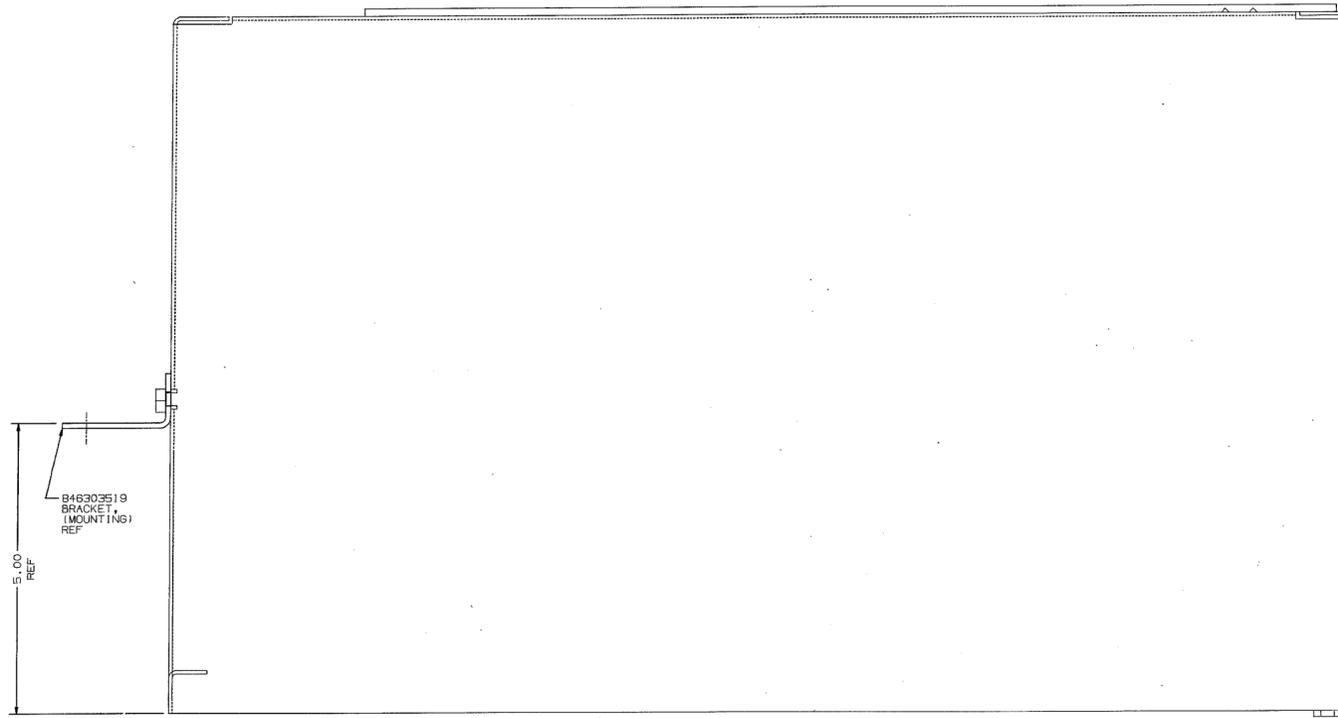
FIG. 2  
BAY WIRING

LINEAGE 2000 BATTERY PLANT			
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AT&T	DJ	JB5500G-1	SHEET B2 ISSUE 2 DWG SIZE C3

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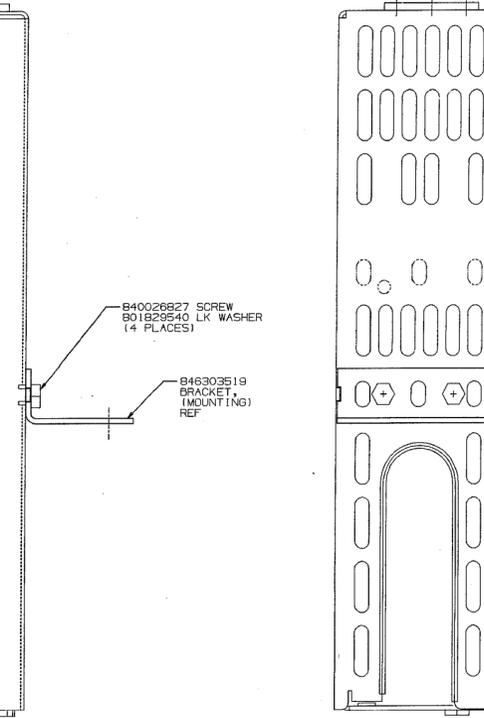
LEFT SIDE VIEW



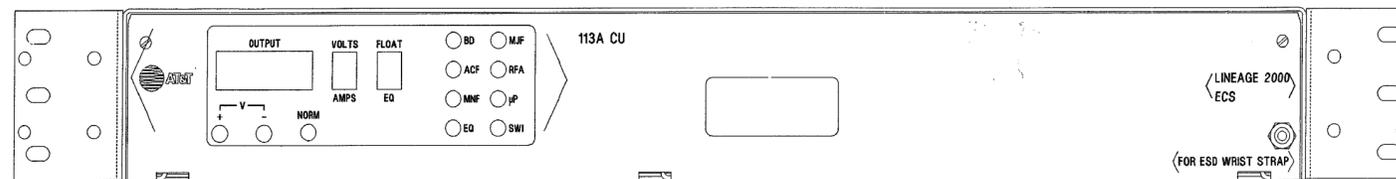
TOP VIEW

VIEW C-C

(J85501D-1, L1 CONTROLLER)



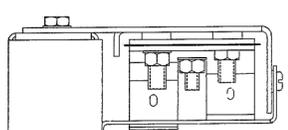
RIGHT SIDE VIEW



FRONT VIEW

LINEAGE 2000 BATTERY PLANT			
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AT&T	DJ	J85500G-1	SHEET 2
			ISSUE 2
			DWG SIZE C3

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LOCATION OF AC WIRING LABEL  
(SEE NOTE 16 & FIG. A0)

B45579E47  
BRACKET  
REF

5.00  
REF

B40057640 SCREW  
B03830668 LK WASHER  
(8 PLACES)

LEFT SIDE VIEW

RIGHT SIDE VIEW

PLAN VIEW  
(RECTIFIERS NOT SHOWN)

VIEW D-D

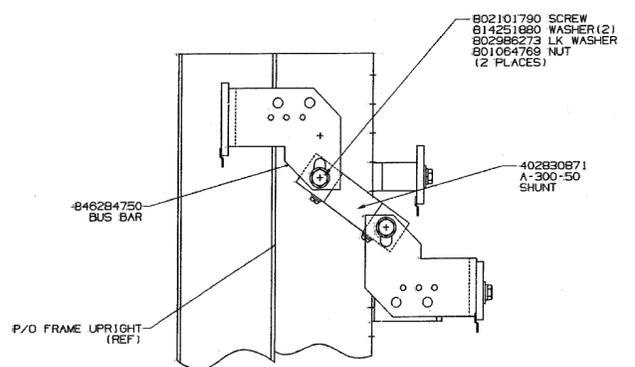
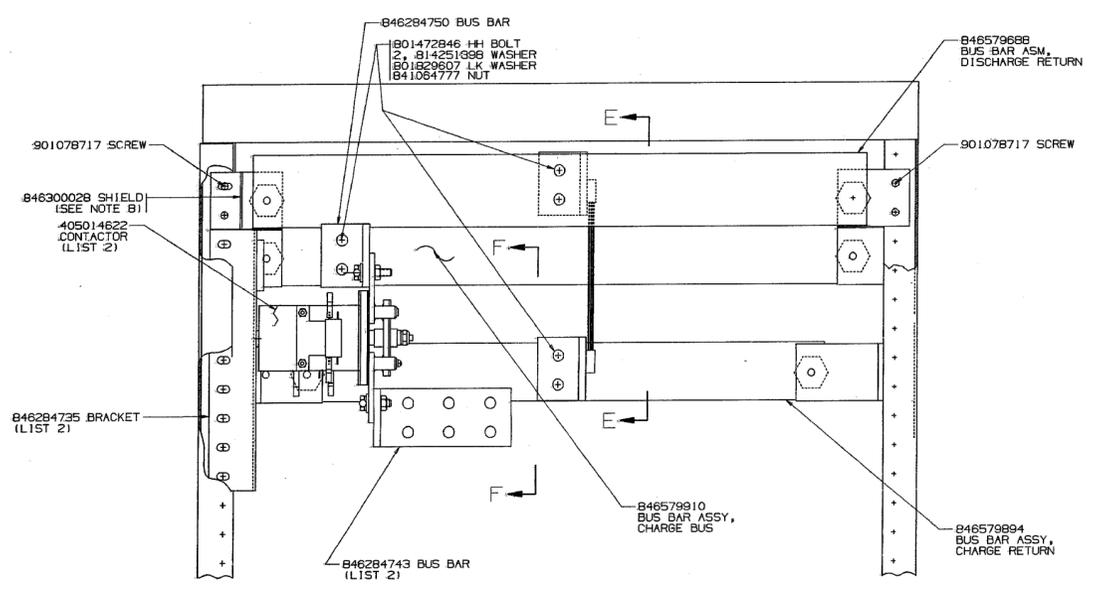
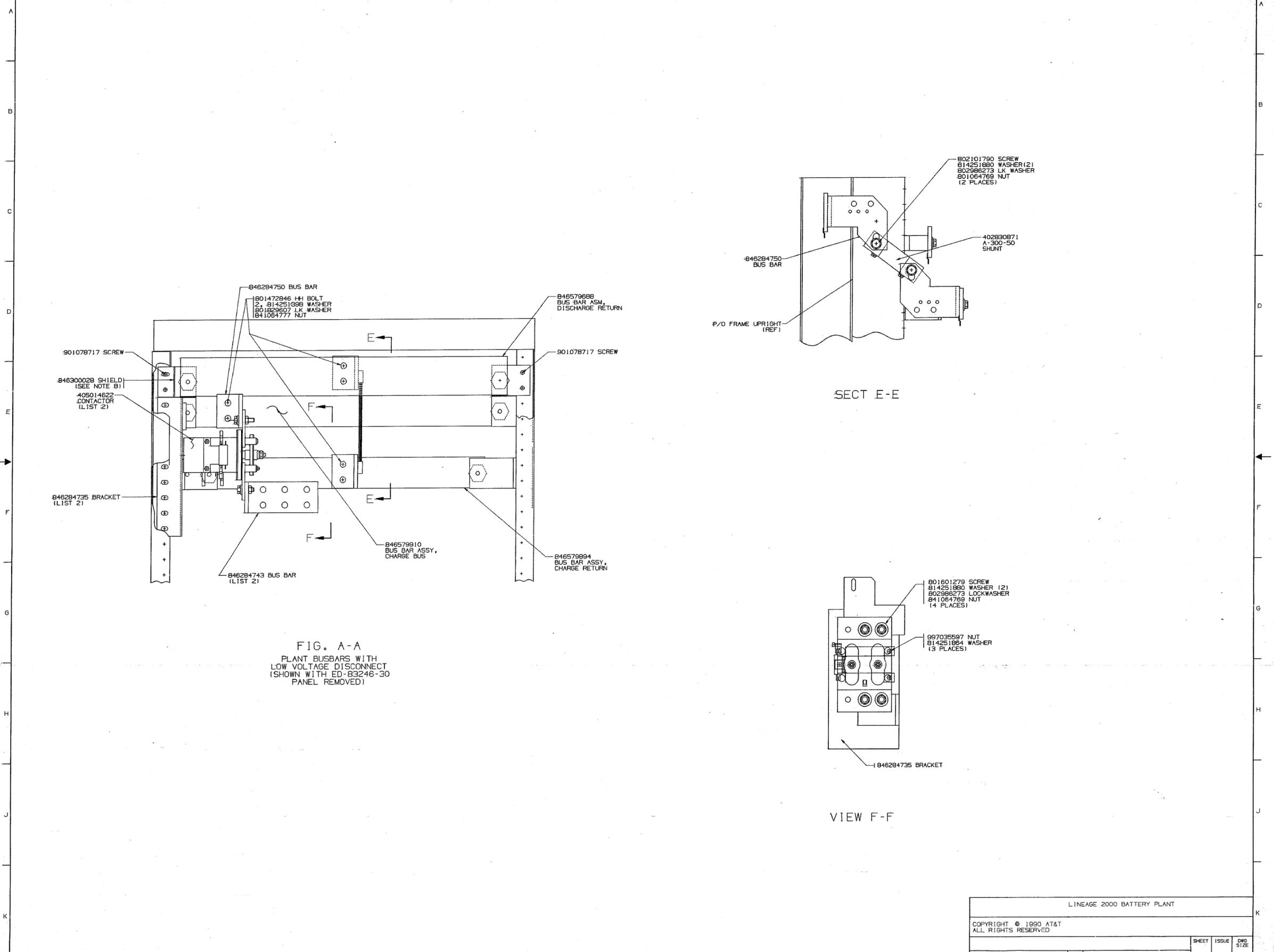
B41064789  
NUT  
B02986273  
WASHER, LK  
P-298627  
B14251890  
WASHER  
P-42E189  
(4 PLACES)

J85702B-1 L1  
RECTIFIER SHELF ASSY  
(12 PLACES)  
(LIST 1 AND 2)  
(REF)

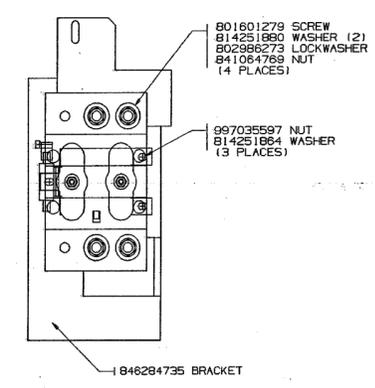
FRONT VIEW

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AT&T	DJ	J85500G-1	SHEET B4	ISSUE 2
			DWG SIZE C3	
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1 2 3 4 5 6 7 8 9 10



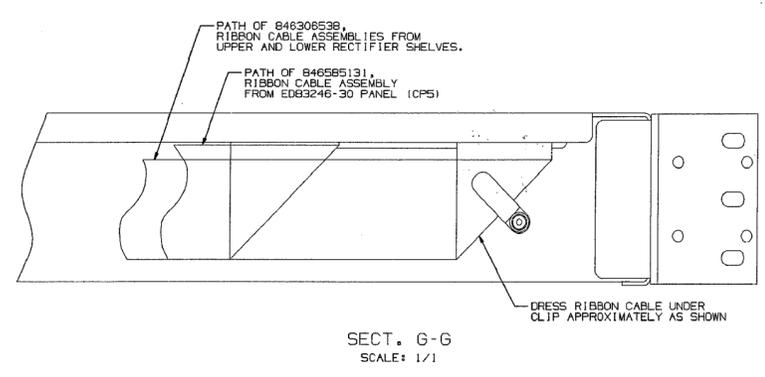
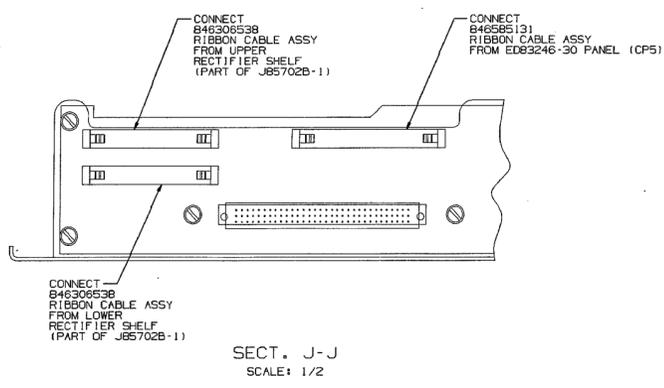
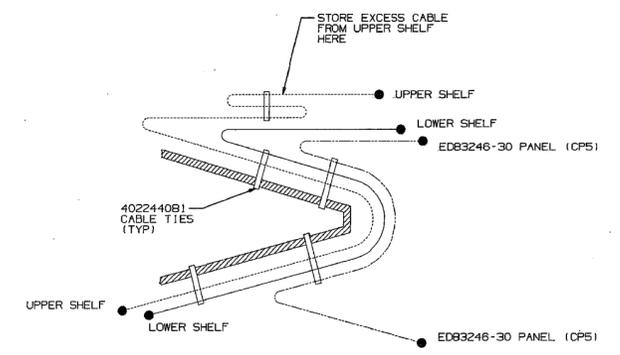
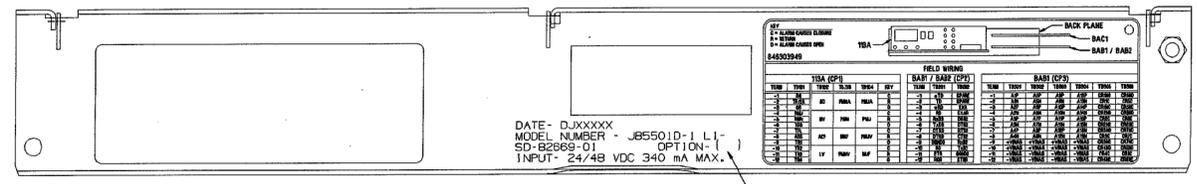
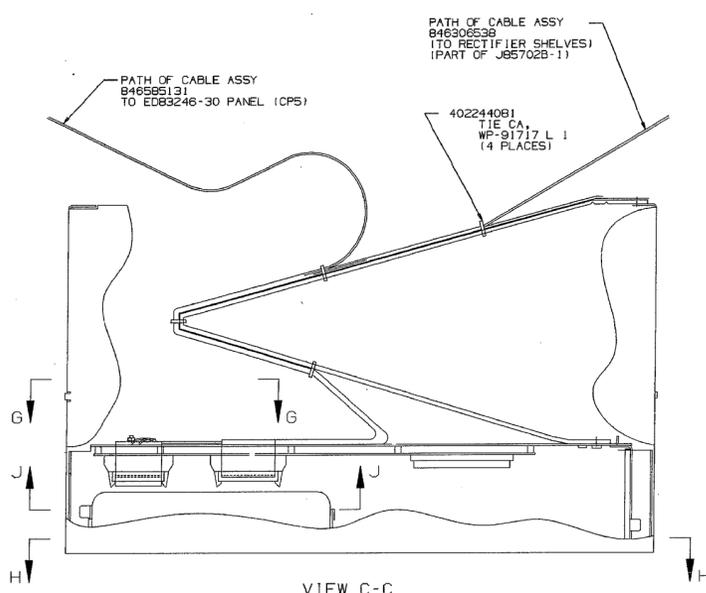
SECT E-E



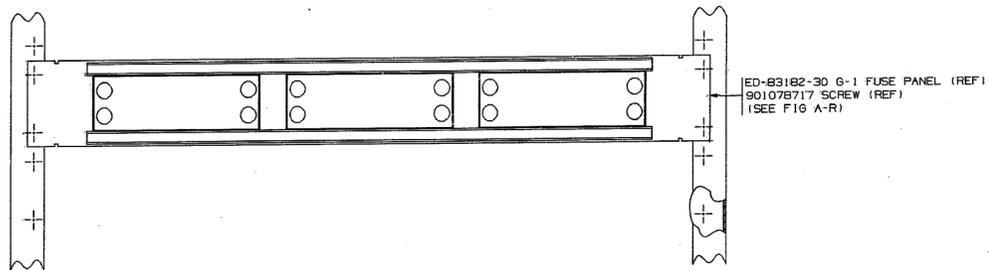
VIEW F-F

FIG. A-A  
 PLANT BUSBARS WITH  
 LOW VOLTAGE DISCONNECT  
 (SHOWN WITH ED-B3246-30  
 PANEL REMOVED)

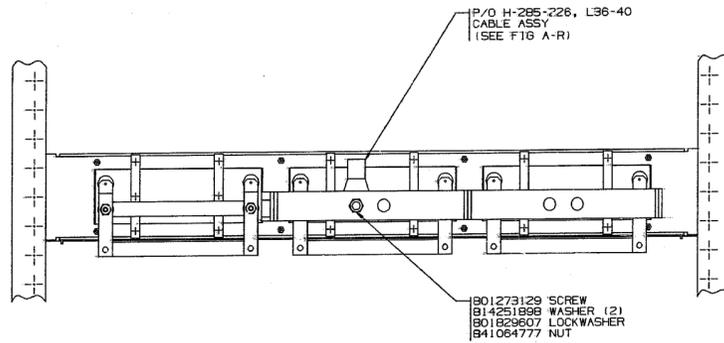
LINEAGE 2000 BATTERY PLANT			
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AT&T	DJ	1955006-1	SHEET ISSUE DWG SIZE C1 1 C3
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AT&T	DJ	JB5500G-1	SHEET 2 OF 2
			ISSUE C2
			DWG SIZE C3
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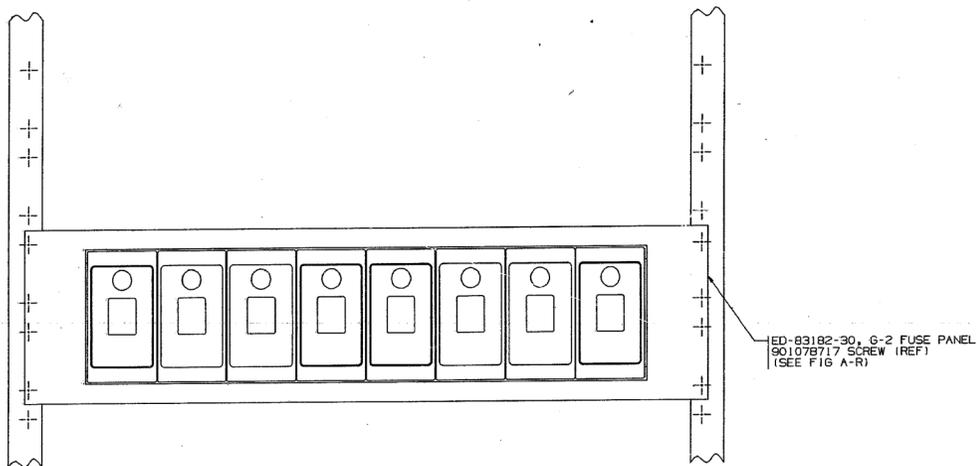


FRONT VIEW

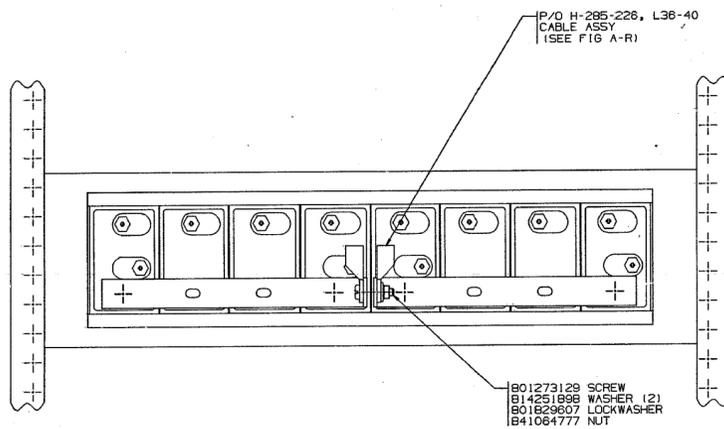


REAR VIEW

FIG. AB  
ED-B3182-30 G1  
0-30A FUSE PANEL



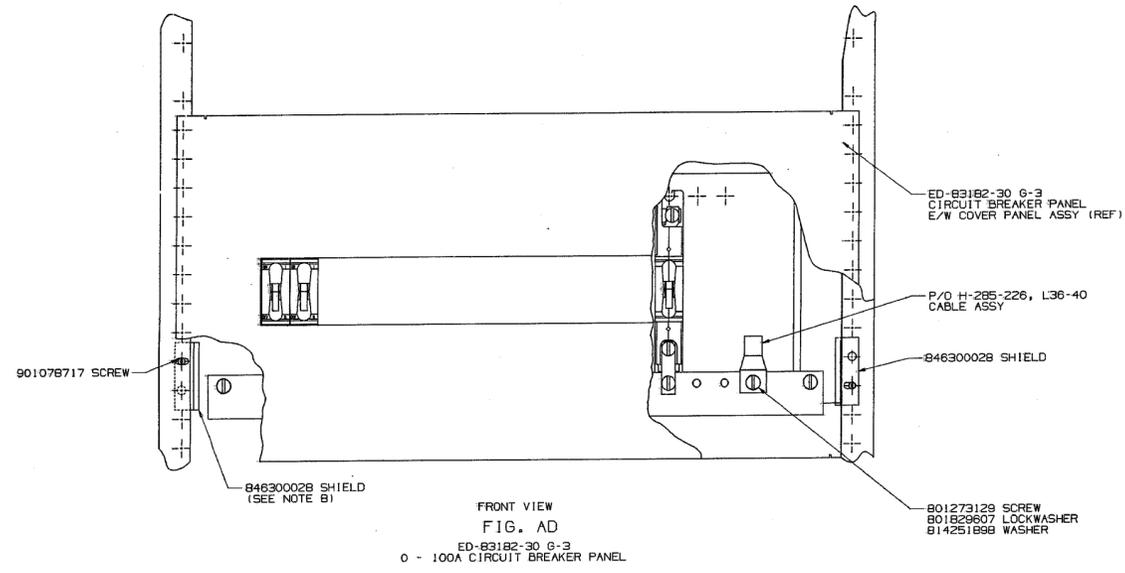
FRONT VIEW



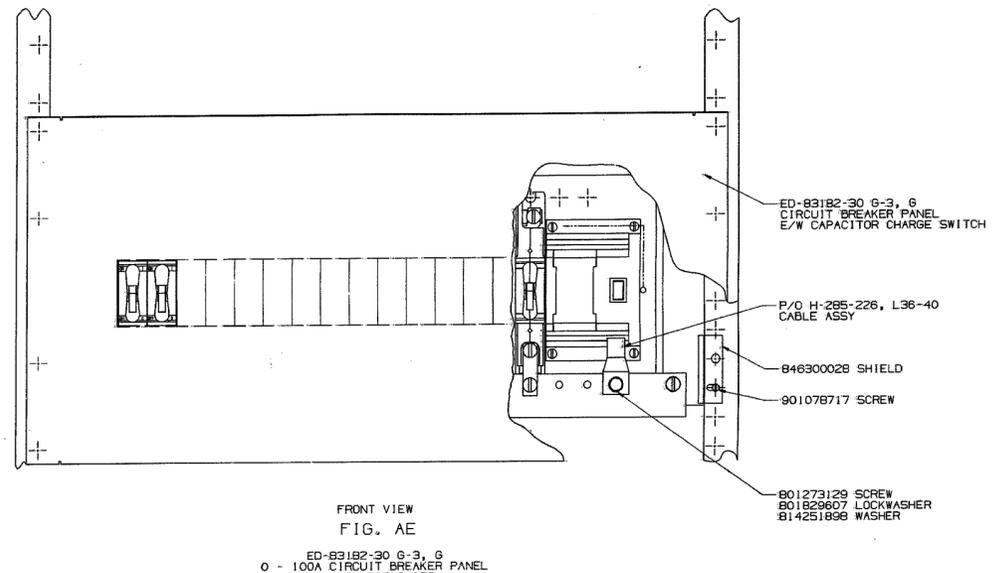
REAR VIEW

FIG. AC  
ED-B3182-30 G2  
0-60A FUSE PANEL

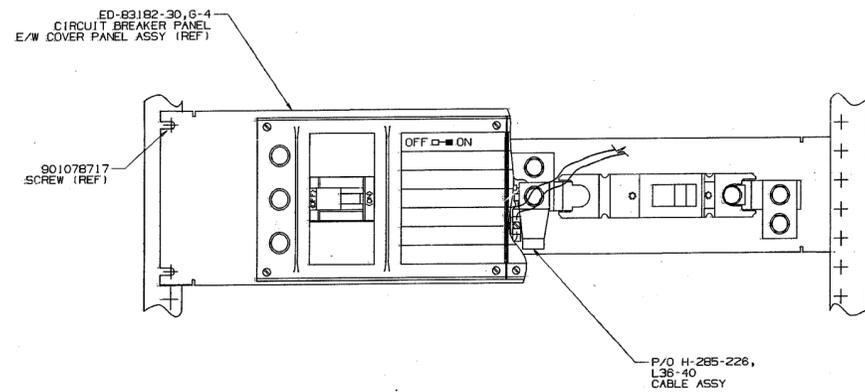
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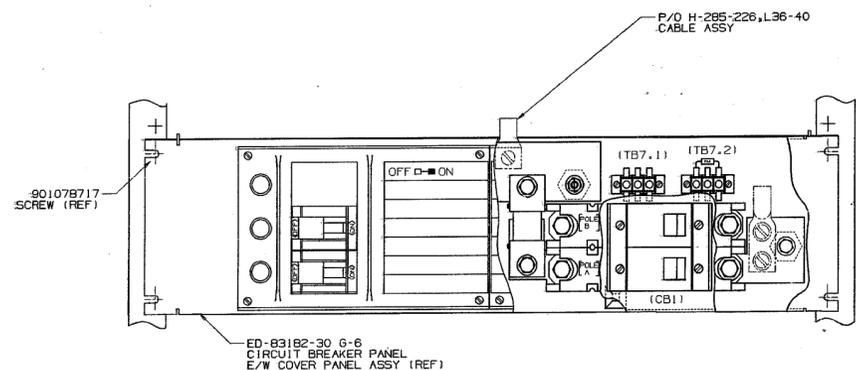
FRONT VIEW  
FIG. AD  
ED-83182-30 G-3  
0 - 100A CIRCUIT BREAKER PANEL



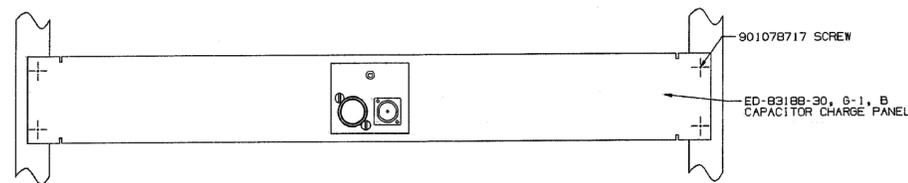
FRONT VIEW  
FIG. AE  
ED-83182-30 G-3, 6  
0 - 100A CIRCUIT BREAKER PANEL WITH CHARGE SWITCH



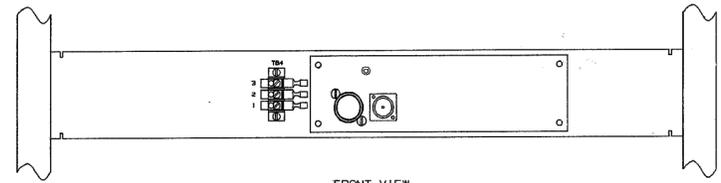
FRONT VIEW  
FIG. AF  
ED-83182-30 G-4  
100 - 225A CIRCUIT BREAKER PANEL



FRONT VIEW  
FIG. AG  
ED-83182-30 G-6  
125 - 250A CIRCUIT BREAKER PANEL



FRONT VIEW  
GROUP 1



FRONT VIEW  
(PANEL ASSEMBLY REMOVED)

FIG. AH  
ED-83188-30 CAPACITOR CHARGE PANEL  
(LIST 6)  
(SEE NOTE 59)

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FRAME POSITIONS  
64  
61  
58  
55  
52  
49  
46  
44

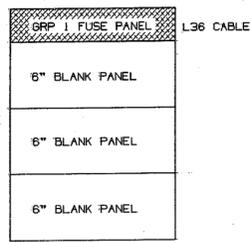


FIG. A

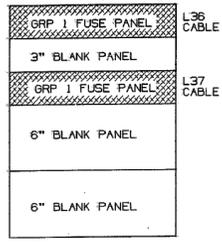


FIG. B

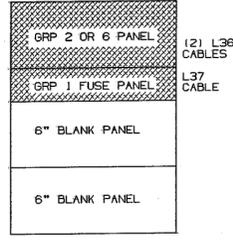


FIG. C

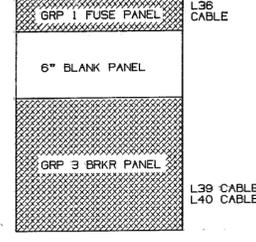


FIG. D

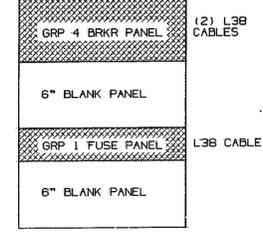


FIG. E

FRAME POSITIONS  
64  
61  
58  
55  
52  
49  
46  
44

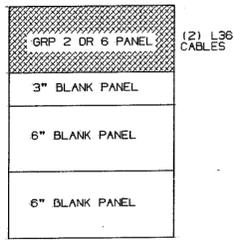


FIG. F

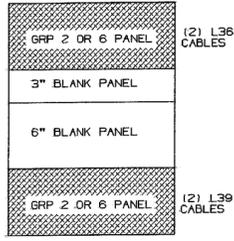


FIG. G  
(SEE NOTE 13)

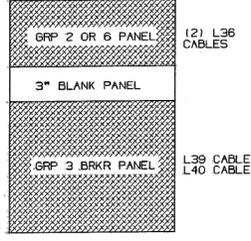


FIG. H

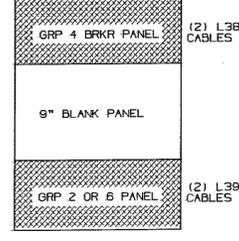


FIG. J

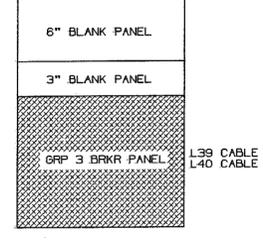


FIG. K

FRAME POSITIONS  
64  
61  
58  
55  
52  
49  
46  
44  
41

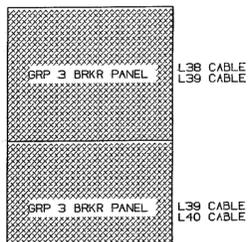


FIG. L  
(SEE NOTE 7 & 59)

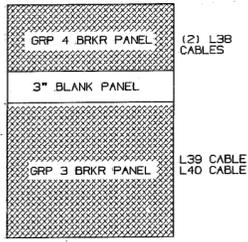


FIG. M  
(SEE NOTE 60)

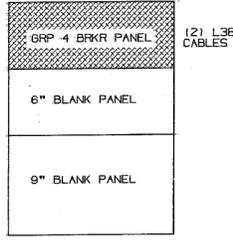


FIG. N

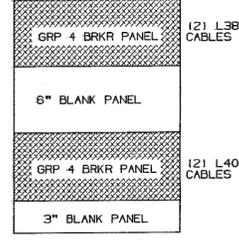


FIG. P  
(SEE NOTE 20)

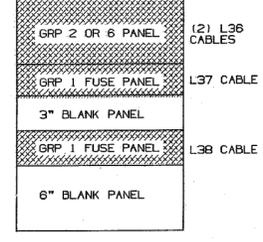


FIG. O

FRAME POSITIONS  
64  
61  
58  
55  
52  
49  
46  
44

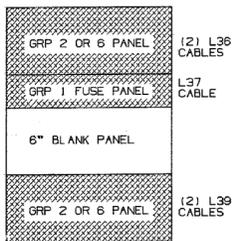


FIG. R

DISTRIBUTION CONFIGURATIONS FOR LISTS A-R  
(ED83182-30 CIRCUIT BREAKER AND FUSE PANEL LOCATIONS)  
(LIST NO. AND FIGURE NO. CORRESPOND)

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AT&T	DJ	J85500G-1	SHEET 1 OF 1
C5			DWG SIZE C3

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STOCKLIST									
ITEM	A	B	C	D	E	F	G	H	LINE
LIST	QTY PER LIST	COMCODE	IDENTIFICATION NO. DRAWING	DESCRIPTION	REFERENCE	NOTE	SYM	NO	
1	1,2	1	846939635		SINGLE BAY FRAMEWORK				101
6	1	1	ED-83246-30		LVD/FUSE POWER SUPPLY PANEL				105
7	2	1	ED-83246-30		LVD/FUSE POWER SUPPLY PANEL				110
10	1,2	1	J855010-1, L1		CONTROLLER E/W CP1				115
15	1,2	2	J85702B-1, L3		RECTIFIER SHELF ASSY				120
17	6	1	ED-83188-30		CAPACITOR CHARGE PANEL				125
19	A,B,D	1	H285-226		L-36 CABLE FEEDER (DISTRIBUTION PANEL, 14" LONG)				125
20	B,C,Q,R	2	H285-226		L-36 CABLE FEEDER (DISTRIBUTION PANEL, 14" LONG)				130
21	L,Q	1	H285-226		L-38 CABLE FEEDER (DISTRIBUTION PANEL, 27" LONG)				135
22	D,H,K,M	1	H285-226		L-39 CABLE FEEDER (DISTRIBUTION PANEL, 33" LONG)				140
23	D,H,K,L,M	1	H285-226		L-40 CABLE FEEDER (DISTRIBUTION PANEL, 38" LONG)				145
28	4	1	106397433		A-PU/364A POWER UNIT	S			150
31	5	1	846575173		MICROPROCESSOR BOARD (CP2 W/O VOICE) KIT	S			155
32	7	1	846575199		MICROPROCESSOR BOARD (CP2 W/ VOICE) KIT	S			160
33	K10	1	846616894		CP2 VOICE SYNTHESIS UPGRADE KIT	S			165
35	1,2	1	846579894		BUS BAR ASSY, CHARGE RTN				170
36	1,2	1	846579888		BUS BAR ASSY, DISCHARGE RTN				175
37	1,2	1	846579910		BUS BAR ASSY, CHARGE BUS				180
41	1	2	846284750		BUS BAR, SUPPORT				185
42	2	3	846284750		BUS BAR, SUPPORT				190
45	2	1	846284743		BUS BAR, BATTERY BUS				195
46	2	1	846284735		BRACKET				200
47	2	1	405014622		CONTACTOR, JFA-4011A (PRESTOLITE)				205
52	8	1	846575223		DATALOGGER BOARD (CP3) KIT	S			210
53	9	1	846632982		DATALOGGER BOARD (CP3) KIT W/ REMOTE TERMINATION PANEL	S			215
59	1,2	3	405673146		FUSE, WP90247 L7, 1-1/3 AMP				220
60	1,2	1	405181983		FUSE, WP90247 L9, 2 AMP				225
70	1,2	1	402830871		SHUNT, A-300-50 (EMPRO)				230
73	1,2	1	846300028		SHIELD				235
76	1,2	1	845511138		LABEL, PRODUCT IDENTIFICATION				240
79	1,2	1	846337798		ADAPTOR ASSY (FRAME GRD)				245
82	1,2	1	845674266		COVER, REAR				250
83	1,2	10	846609295		BRACKET (COVER AND CABLE)				255
86	1,2	2	846579662		CHANNEL, 36 INCH				260
93	1,2,B,F,G	1	843780008		PANEL, 3 INCH				265
94	H,K,M,P,Q	6	843780008		PANEL, 3 INCH				270
94	D,G,K,N,P	1	843780016		PANEL, 6 INCH				275
95	Q,R	2	843780016		PANEL, 6 INCH				280
95	B,C,E,F	3	843780016		PANEL, 6 INCH				285
95	A	3	843780016		PANEL, 6 INCH				290
95	J,N	1	843780024		PANEL, 9 INCH				295

STOCKLIST									
ITEM	A	B	C	D	E	F	G	H	LINE
LIST	QTY PER LIST	COMCODE	IDENTIFICATION NO. DRAWING	DESCRIPTION	REFERENCE	NOTE	SYM	NO	
102	1,2	2	846612273		BRACKET, (CONTROLLER)				301
108	1,2	4	846579647		BRACKET, (RECTIFIER)				305
114	1,2	1	846516706		LABEL (POSITION INDICATOR)				310
123	1,2	1	846585131		CABLE ASSEMBLY (RIBBON)				315
124	1,2	1	846666230		CABLE ASSEMBLY (60IN.)				320
125	1,2	1	846666253		CABLE ASSEMBLY (72IN.)				325
129	1,2	1	846581171		CABLE ASSEMBLY (1/0)				330
130	1,2	1	846581155		CABLE ASSEMBLY (1/0)				335
131	1,2	1	846581130		CABLE ASSEMBLY (1/0)				340
132	1,2	1	846581114		CABLE ASSEMBLY (1/0)				345
141	1,2	2	844218784		HOLD DOWN PLATE				350
142	1,2	4	841630155		HOLD DOWN WASHER				355
143	1,2	4	405899254		FLOOR ANCHOR BOLT, HSLG-12-D (HILT)				360
150	1,2	1	843054404		COVER, BASE				365
151	1,2	1	843780851		GUARD RAIL ASSY				370
159	1,2	8	901067017		TIE CABLE-WP91717L4--140X14.5				375
160	1,2	8	401061569		TIE CABLE-WP91717L3--094				380
168	1,2	1	106476898		PRODUCT MANUAL (LINEAGE 2000 ECS CONTROLLER)				385
169	1,2	1	106497449		PRODUCT MANUAL (LINEAGE 2000 SR SERIES RECTIFIER)				390
170	1,2	1	106367758		PRODUCT MANUAL (LINEAGE 2000 ECS BATTERY PLANT), AT&T 167-790-030, ISSUE 1				395
171	1,2	1	106065485		LINEAGE 2000 BATTERY PLANT MANUAL (BINDER ONLY), SELECT CODE 115-003 ISSUE 2				400
172	1,2	1	846586782		SERVICE KIT (DRAWING PACKAGE)				405
182	KA	1	845674399		STILE STRIP ASSY (LEFT)				410
183	KA	1	845674407		STILE STRIP ASSY (RIGHT)				415
191	KA	2	845674373		BRACKET ASSY				420
192	KA	2	845675974		BRACKET				425
199	KB	1	845674316		SUPPORT				430
200	KB	1	845674324		COVER				435
201	KB	2	845674381		STRIP				440
213	1,2	4	840026827		SCREW, HHSWT .216-24 X 1/2				445

STOCKLIST									
ITEM	A	B	C	D	E	F	G	H	LINE
LIST	QTY PER LIST	COMCODE	IDENTIFICATION NO. DRAWING	DESCRIPTION	REFERENCE	NOTE	SYM	NO	
214	1,2	8	840027056		SCREW, HHW .164-32 X 1/2				501
215	1,2	2	802101790		SCREW, HHC .312-18 X 1-1/2				505
216	1,2	4	840059083		SCREW, PHM .164-32 X .500				510
217	1,2	2	900782642		SCREW, HHW .250-20 X 3/4				515
218	1,2	12	840057640		SCREW, HHW .250-20 X 5/8				520
220	2	4	801601279		SCREW, HHC .312-18 X 1.00				525
221	1	4	801472846		SCREW, HHC .375-16 X 1.25				530
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				535
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				540
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				545
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				550
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				555
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				560
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				565
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				570
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				575
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				580
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				585
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				590
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				595
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				600
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				605
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				610
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				615
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				620
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				625
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				630
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				635
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				640
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				645
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				650
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				655
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				660
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				665
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				670
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				675
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				680
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				685
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				690
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				695
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				700
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				705
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				710
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				715
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				720
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				725
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				730
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				735
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				740
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				745
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				750
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				755
222	1	70	901078717		SCREW, HHSWT .216-24 X .625				760
222	1	70	901078717		SC				



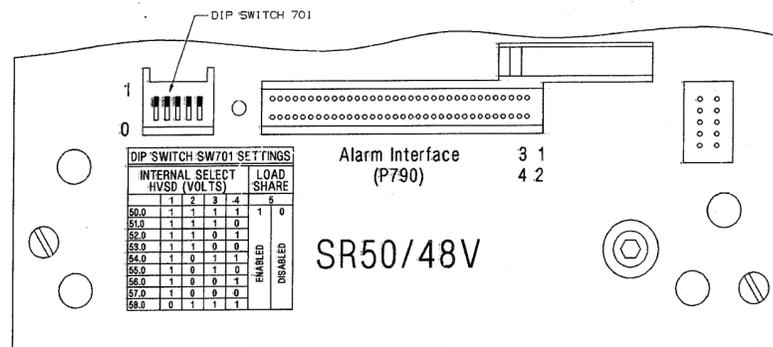


FIG. AP  
(SEE NOTE 1B)  
SCALE: 2/1

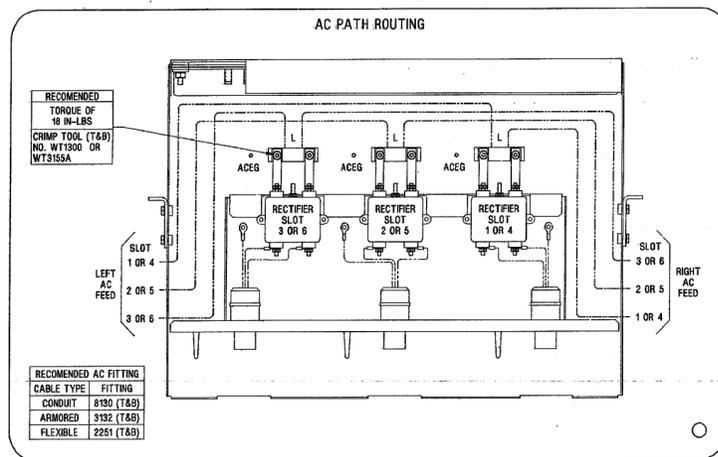
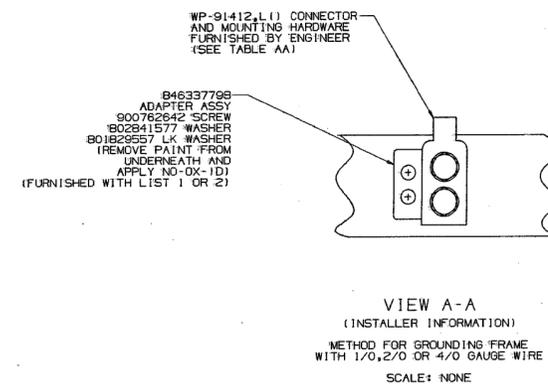
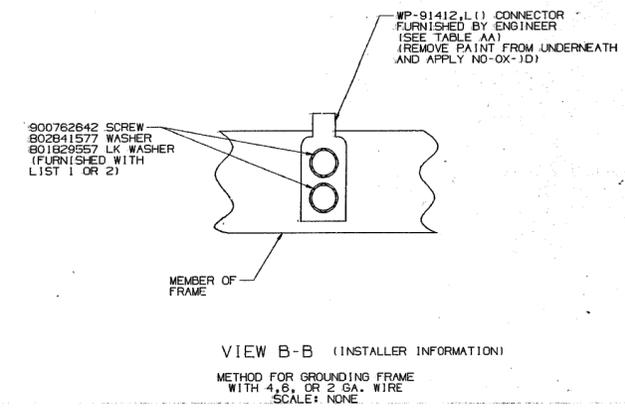


FIG. AO  
(SEE NOTE 1B)  
SCALE: 2/1  
(USE RIGHT AC FEED ONLY)



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FLOOR PLAN DATA

INITIAL BAY (LIST 1 OR 2)

PHYSICAL DATA (SEE NOTE 2)		HEAT RELEASE - WATTS (SEE NOTE 1)			
			FULL LOAD	HALF LOAD	IDLE
HEIGHT:	7' - 0"	MAX*			
DEPTH:	1' - 3"	NOM	3080	1680	25
WIDTH:	2' - 2"	MIN			
WEIGHT:	350				
FRAMEWORK TYPE:	7' - 0" CENTRAL OFFICE UNIFRAME				
MIN. FRONT AISLE:	2' - 6"				
MIN. REAR AISLE:	2' - 0" (SEE NOTE 3)				

NOTES:

- HEAT RELEASE VALUES ARE GIVEN FOR ECS BATTERY PLANTS (LIST 1 OR 2) EQUIPPED WITH SIX SWITCH MODE RECTIFIERS (LIST 4) AT 54 VOLTS DC. TO CALCULATE HEAT RELEASE VALUES FOR ECS BATTERY PLANTS EQUIPPED WITH LESS THAN 6 RECTIFIERS USE THE FOLLOWING FORMULA.

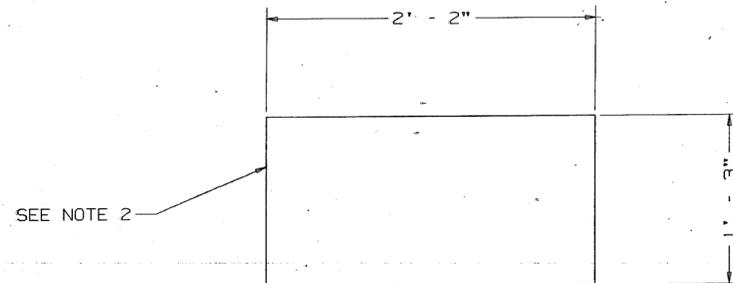
$$\text{HEAT RELEASE (WATTS)} = \left[ \frac{\text{HEAT RELEASE VALUE FROM TABLE} - .25}{6 \text{ RECTIFIERS}} \right] \times \left[ \text{NUMBER OF RECTIFIERS} \right] + 25*$$

\* 25 REPRESENTS THE HEAT RELEASE VALUE - IN WATTS - FOR THE ECS CONTROLLER EQUIPPED WITH THE 113A CONTROL UNIT, CP2 AND CP3.

- THE FLOOR LOAD FOR THIS BAY IS LISTED BELOW AND IS COMPUTED BY AVERAGING THE LOAD OVER THE FLOOR AREA SHOWN IN FIGURE X.

FLOOR LOAD (LB/FT <sup>2</sup> ) = LOAD (LB) / FLOOR AREA (FT <sup>2</sup> )			
PLANT TYPE	AREA	LOAD	FLOOR LOAD
INITIAL BAY	2.703	350	129

- WHEN NO REAR AISLE IS REQUIRED, THE DISTANCE BETWEEN THE BACK OF THE FRAME AND THE WALL SHOULD BE A MINIMUM OF 3 INCHES.



FRAME OUTLINE

FIG. X  
NO SCALE

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