

ENGINEERING NOTES (CONTINUATION)

19-STYLE STRIP PER LIST 1-2 AND 3-4 ARE USED TO IMPROVE THE APPEARANCE OF THE POWER PLANT COVERING THE FRAME MOUNTING, CONCEALING THE EQUIPMENT MOUNTING SCREWS AND PROVIDING A CALIBRATED ASSOCIATED CABLING. LISTS 4, 5 AND 6 ARE PROVIDED BOTH LEFT AND RIGHT STYLE STRIPS.

20-LISTS 6, 7 AND 8 PROVIDE BITE CORNERS FOR USE AT THE END OF A BAY LINE OR AND SHALL BE ORDERED AS REQUIRED. (SEE NOTE 12)

21-WHEN RECTIFIERS ARE MOUNTED IN OTHER THAN THE INITIAL BAY THE JOB SPECIFICATION SHALL ORDER CABLE ASSEMBLIES TO PROVIDE CONNECTION TO A BATTERY CONTROLLED UNIT AND TERMINALS (2) FOR TERMINATING BATTERY LEADS AT THE RECTIFIER AS FOLLOWS: (SEE NOTE 7)

RECTIFIER	TYPE OF PLANT (CONNECTION) (CONV.)	W-225-224 CABLE ASSEMBLY LIST (SEE NOTE 63)
J27436A-C-1	-24	14
J27436A-C-2	-24	14
J27436A-C-3	-24	14
J27436A-C-4	-24	14
J27436A-C-5	-24	14
J27436A-C-6	-24	14
J27436A-C-7	-24	14
J27436A-C-8	-24	14
J27436A-C-9	-24	14
J27436A-C-10	-24	14
J27436A-C-11	-24	14
J27436A-C-12	-24	14
J27436A-C-13	-24	14
J27436A-C-14	-24	14
J27436A-C-15	-24	14
J27436A-C-16	-24	14
J27436A-C-17	-24	14
J27436A-C-18	-24	14
J27436A-C-19	-24	14
J27436A-C-20	-24	14
J27436A-C-21	-24	14
J27436A-C-22	-24	14
J27436A-C-23	-24	14
J27436A-C-24	-24	14
J27436A-C-25	-24	14
J27436A-C-26	-24	14
J27436A-C-27	-24	14
J27436A-C-28	-24	14
J27436A-C-29	-24	14
J27436A-C-30	-24	14
J27436A-C-31	-24	14
J27436A-C-32	-24	14
J27436A-C-33	-24	14
J27436A-C-34	-24	14
J27436A-C-35	-24	14
J27436A-C-36	-24	14
J27436A-C-37	-24	14
J27436A-C-38	-24	14
J27436A-C-39	-24	14
J27436A-C-40	-24	14
J27436A-C-41	-24	14
J27436A-C-42	-24	14
J27436A-C-43	-24	14
J27436A-C-44	-24	14
J27436A-C-45	-24	14
J27436A-C-46	-24	14
J27436A-C-47	-24	14
J27436A-C-48	-24	14
J27436A-C-49	-24	14
J27436A-C-50	-24	14
J27436A-C-51	-24	14
J27436A-C-52	-24	14
J27436A-C-53	-24	14
J27436A-C-54	-24	14
J27436A-C-55	-24	14
J27436A-C-56	-24	14
J27436A-C-57	-24	14
J27436A-C-58	-24	14
J27436A-C-59	-24	14
J27436A-C-60	-24	14
J27436A-C-61	-24	14
J27436A-C-62	-24	14
J27436A-C-63	-24	14
J27436A-C-64	-24	14
J27436A-C-65	-24	14
J27436A-C-66	-24	14
J27436A-C-67	-24	14
J27436A-C-68	-24	14
J27436A-C-69	-24	14
J27436A-C-70	-24	14
J27436A-C-71	-24	14
J27436A-C-72	-24	14
J27436A-C-73	-24	14
J27436A-C-74	-24	14
J27436A-C-75	-24	14
J27436A-C-76	-24	14
J27436A-C-77	-24	14
J27436A-C-78	-24	14
J27436A-C-79	-24	14
J27436A-C-80	-24	14
J27436A-C-81	-24	14
J27436A-C-82	-24	14
J27436A-C-83	-24	14
J27436A-C-84	-24	14
J27436A-C-85	-24	14
J27436A-C-86	-24	14
J27436A-C-87	-24	14
J27436A-C-88	-24	14
J27436A-C-89	-24	14
J27436A-C-90	-24	14
J27436A-C-91	-24	14
J27436A-C-92	-24	14
J27436A-C-93	-24	14
J27436A-C-94	-24	14
J27436A-C-95	-24	14
J27436A-C-96	-24	14
J27436A-C-97	-24	14
J27436A-C-98	-24	14
J27436A-C-99	-24	14
J27436A-C-100	-24	14

RECTIFIER TERMINAL CONCODE
J27436A-C-1 80-104 CRIMP LUG (180) 402722694
J27436A-C-2 80-104 CRIMP LUG (180) 402722694
J27436A-C-3 80-104 CRIMP LUG (180) 402722694
J27436A-C-4 80-104 CRIMP LUG (180) 402722694
J27436A-C-5 80-104 CRIMP LUG (180) 402722694
J27436A-C-6 80-104 CRIMP LUG (180) 402722694
J27436A-C-7 80-104 CRIMP LUG (180) 402722694
J27436A-C-8 80-104 CRIMP LUG (180) 402722694
J27436A-C-9 80-104 CRIMP LUG (180) 402722694
J27436A-C-10 80-104 CRIMP LUG (180) 402722694
J27436A-C-11 80-104 CRIMP LUG (180) 402722694
J27436A-C-12 80-104 CRIMP LUG (180) 402722694
J27436A-C-13 80-104 CRIMP LUG (180) 402722694
J27436A-C-14 80-104 CRIMP LUG (180) 402722694
J27436A-C-15 80-104 CRIMP LUG (180) 402722694
J27436A-C-16 80-104 CRIMP LUG (180) 402722694
J27436A-C-17 80-104 CRIMP LUG (180) 402722694
J27436A-C-18 80-104 CRIMP LUG (180) 402722694
J27436A-C-19 80-104 CRIMP LUG (180) 402722694
J27436A-C-20 80-104 CRIMP LUG (180) 402722694
J27436A-C-21 80-104 CRIMP LUG (180) 402722694
J27436A-C-22 80-104 CRIMP LUG (180) 402722694
J27436A-C-23 80-104 CRIMP LUG (180) 402722694
J27436A-C-24 80-104 CRIMP LUG (180) 402722694
J27436A-C-25 80-104 CRIMP LUG (180) 402722694
J27436A-C-26 80-104 CRIMP LUG (180) 402722694
J27436A-C-27 80-104 CRIMP LUG (180) 402722694
J27436A-C-28 80-104 CRIMP LUG (180) 402722694
J27436A-C-29 80-104 CRIMP LUG (180) 402722694
J27436A-C-30 80-104 CRIMP LUG (180) 402722694
J27436A-C-31 80-104 CRIMP LUG (180) 402722694
J27436A-C-32 80-104 CRIMP LUG (180) 402722694
J27436A-C-33 80-104 CRIMP LUG (180) 402722694
J27436A-C-34 80-104 CRIMP LUG (180) 402722694
J27436A-C-35 80-104 CRIMP LUG (180) 402722694
J27436A-C-36 80-104 CRIMP LUG (180) 402722694
J27436A-C-37 80-104 CRIMP LUG (180) 402722694
J27436A-C-38 80-104 CRIMP LUG (180) 402722694
J27436A-C-39 80-104 CRIMP LUG (180) 402722694
J27436A-C-40 80-104 CRIMP LUG (180) 402722694
J27436A-C-41 80-104 CRIMP LUG (180) 402722694
J27436A-C-42 80-104 CRIMP LUG (180) 402722694
J27436A-C-43 80-104 CRIMP LUG (180) 402722694
J27436A-C-44 80-104 CRIMP LUG (180) 402722694
J27436A-C-45 80-104 CRIMP LUG (180) 402722694
J27436A-C-46 80-104 CRIMP LUG (180) 402722694
J27436A-C-47 80-104 CRIMP LUG (180) 402722694
J27436A-C-48 80-104 CRIMP LUG (180) 402722694
J27436A-C-49 80-104 CRIMP LUG (180) 402722694
J27436A-C-50 80-104 CRIMP LUG (180) 402722694
J27436A-C-51 80-104 CRIMP LUG (180) 402722694
J27436A-C-52 80-104 CRIMP LUG (180) 402722694
J27436A-C-53 80-104 CRIMP LUG (180) 402722694
J27436A-C-54 80-104 CRIMP LUG (180) 402722694
J27436A-C-55 80-104 CRIMP LUG (180) 402722694
J27436A-C-56 80-104 CRIMP LUG (180) 402722694
J27436A-C-57 80-104 CRIMP LUG (180) 402722694
J27436A-C-58 80-104 CRIMP LUG (180) 402722694
J27436A-C-59 80-104 CRIMP LUG (180) 402722694
J27436A-C-60 80-104 CRIMP LUG (180) 402722694
J27436A-C-61 80-104 CRIMP LUG (180) 402722694
J27436A-C-62 80-104 CRIMP LUG (180) 402722694
J27436A-C-63 80-104 CRIMP LUG (180) 402722694
J27436A-C-64 80-104 CRIMP LUG (180) 402722694
J27436A-C-65 80-104 CRIMP LUG (180) 402722694
J27436A-C-66 80-104 CRIMP LUG (180) 402722694
J27436A-C-67 80-104 CRIMP LUG (180) 402722694
J27436A-C-68 80-104 CRIMP LUG (180) 402722694
J27436A-C-69 80-104 CRIMP LUG (180) 402722694
J27436A-C-70 80-104 CRIMP LUG (180) 402722694
J27436A-C-71 80-104 CRIMP LUG (180) 402722694
J27436A-C-72 80-104 CRIMP LUG (180) 402722694
J27436A-C-73 80-104 CRIMP LUG (180) 402722694
J27436A-C-74 80-104 CRIMP LUG (180) 402722694
J27436A-C-75 80-104 CRIMP LUG (180) 402722694
J27436A-C-76 80-104 CRIMP LUG (180) 402722694
J27436A-C-77 80-104 CRIMP LUG (180) 402722694
J27436A-C-78 80-104 CRIMP LUG (180) 402722694
J27436A-C-79 80-104 CRIMP LUG (180) 402722694
J27436A-C-80 80-104 CRIMP LUG (180) 402722694
J27436A-C-81 80-104 CRIMP LUG (180) 402722694
J27436A-C-82 80-104 CRIMP LUG (180) 402722694
J27436A-C-83 80-104 CRIMP LUG (180) 402722694
J27436A-C-84 80-104 CRIMP LUG (180) 402722694
J27436A-C-85 80-104 CRIMP LUG (180) 402722694
J27436A-C-86 80-104 CRIMP LUG (180) 402722694
J27436A-C-87 80-104 CRIMP LUG (180) 402722694
J27436A-C-88 80-104 CRIMP LUG (180) 402722694
J27436A-C-89 80-104 CRIMP LUG (180) 402722694
J27436A-C-90 80-104 CRIMP LUG (180) 402722694
J27436A-C-91 80-104 CRIMP LUG (180) 402722694
J27436A-C-92 80-104 CRIMP LUG (180) 402722694
J27436A-C-93 80-104 CRIMP LUG (180) 402722694
J27436A-C-94 80-104 CRIMP LUG (180) 402722694
J27436A-C-95 80-104 CRIMP LUG (180) 402722694
J27436A-C-96 80-104 CRIMP LUG (180) 402722694
J27436A-C-97 80-104 CRIMP LUG (180) 402722694
J27436A-C-98 80-104 CRIMP LUG (180) 402722694
J27436A-C-99 80-104 CRIMP LUG (180) 402722694
J27436A-C-100 80-104 CRIMP LUG (180) 402722694

ENGINEERING NOTES (CONTINUATION)

22-RECTIFIERS PER LIST 1-2 AND 3-4 ARE USED TO IMPROVE THE APPEARANCE OF THE POWER PLANT COVERING THE FRAME MOUNTING, CONCEALING THE EQUIPMENT MOUNTING SCREWS AND PROVIDING A CALIBRATED ASSOCIATED CABLING. LISTS 4, 5 AND 6 ARE PROVIDED BOTH LEFT AND RIGHT STYLE STRIPS.

23-ONE CABLE PER LIST AC TO AN IS REQUIRED FOR EACH CIRCUIT BREAKER OR FUSE. THE JOB ENGINEER SHALL SELECT A CABLE OF SUITABLE LENGTH TO REACH BETWEEN THE CIRCUIT BREAKER OR FUSE AND THE BACKPLATE OF THE CONTROLLER. (SEE NOTE 13)

24-WHEN A SUPPLEMENTARY BAY PER LIST 2 IS EQUIPPED WITH CIRCUIT BREAKERS OR FUSES THAT ARE PROVIDED WITH SHUNTS AND FEEDER BRAIN MONITORING IS REQUIRED THE JOB ENGINEER SHALL PROVIDE A CABLE ASSEMBLY PER W-225-224 LIST 48 (FOR CIRCUIT BREAKERS) OR LIST 14 (FOR FUSES). THE LENGTH OF THE CABLE MUST BE SUFFICIENT TO REACH FROM THE CIRCUIT BREAKER TO THE BACKPLATE OF THE J25501A-1 CONTROLLER UNIT. THIS LENGTH MUST BE MEASURED WITH THE CABLE IN POSITION FOR EACH CIRCUIT BREAKER OR FUSE THAT IS BEING ORDERED.

25-LIST 4 IS ONLY TO BE USED WITH THE J25501A LIST 1.

26-SEE ED-2105-01 FOR APPLICATION AND CABLING INFORMATION.

27-A LOW VOLTAGE DISCONNECT RECONNECT FEATURE CAN BE USED WITH THIS BAY. THE SPECIFICATION ED-2105-10 IS ORDERED ON J25501A-1 LIST 4 OR 17 AND J25501A-1 LIST 9 OR 10.

28-THE PROTECTIVE CIRCUITRY FOR INVERTERS USED WITH THIS POWER PLANT HAS BEEN DESIGNED FOR USE WITH THE FOLLOWING POWERHARVEST INVERTERS:

INVERTER	TYPE	CONCODE
J25501A-1	3000	402722694
J25501A-2	3000	402722694
J25501A-3	3000	402722694
J25501A-4	3000	402722694
J25501A-5	3000	402722694
J25501A-6	3000	402722694
J25501A-7	3000	402722694
J25501A-8	3000	402722694
J25501A-9	3000	402722694
J25501A-10	3000	402722694
J25501A-11	3000	402722694
J25501A-12	3000	402722694
J25501A-13	3000	402722694
J25501A-14	3000	402722694
J25501A-15	3000	402722694
J25501A-16	3000	402722694
J25501A-17	3000	402722694
J25501A-18	3000	402722694
J25501A-19	3000	402722694
J25501A-20	3000	402722694
J25501A-21	3000	402722694
J25501A-22	3000	402722694
J25501A-23	3000	402722694
J25501A-24	3000	402722694
J25501A-25	3000	402722694
J25501A-26	3000	402722694
J25501A-27	3000	402722694
J25501A-28	3000	402722694
J25501A-29	3000	402722694
J25501A-30	3000	402722694
J25501A-31	3000	402722694
J25501A-32	3000	402722694
J25501A-33	3000	402722694
J25501A-34	3000	402722694
J25501A-35	3000	402722694
J25501A-36	3000	402722694
J25501A-37	3000	402722694
J25501A-38	3000	402722694
J25501A-39	3000	402722694
J25501A-40	3000	402722694
J25501A-41	3000	402722694
J25501A-42	3000	402722694
J25501A-43	3000	402722694
J25501A-44	3000	402722694
J25501A-45	3000	402722694
J25501A-46	3000	402722694
J25501A-47	3000	402722694
J25501A-48	3000	402722694
J25501A-49	3000	402722694
J25501A-50	3000	402722694
J25501A-51	3000	402722694
J25501A-52	3000	402722694
J25501A-53	3000	402722694
J25501A-54	3000	402722694
J25501A-55	3000	402722694
J25501A-56	3000	402722694
J25501A-57	3000	402722694
J25501A-58	3000	402722694
J25501A-59	3000	402722694
J25501A-60	3000	402722694
J25501A-61	3000	402722694
J25501A-62	3000	402722694
J25501A-63	3000	402722694
J25501A-64	3000	402722694
J25501A-65	3000	402722694
J25501A-66	3000	402722694
J25501A-67	3000	402722694
J25501A-68	3000	402722694
J25501A-69	3000	402722694
J25501A-70	3000	402722694
J25501A-71	3000	402722694
J25501A-72	3000	402722694
J25501A-73	3000	402722694
J25501A-74	3000	402722694
J25501A-75	3000	402722694
J25501A-76	3000	402722694
J25501A-77	3000	402722694
J25501A-78	3000	402722694
J25501A-79	3000	402722694
J25501A-80	3000	402722694
J25501A-81	3000	402722694
J25501A-82	3000	402722694
J25501A-83	3000	402722694
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J25501A-85	3000	402722694
J25501A-86	3000	402722694
J25501A-87	3000	402722694
J25501A-88	3000	402722694
J25501A-89	3000	402722694
J25501A-90	3000	402722694
J25501A-91	3000	402722694
J25501A-92	3000	402722694
J25501A-93	3000	402722694
J25501A-94	3000	402722694
J25501A-95	3000	402722694
J25501A-96	3000	402722694
J25501A-97	3000	402722694
J25501A-98	3000	402722694
J25501A-99	3000	402722694
J25501A-100	3000	402722694

29-TYPICAL MOUNTING AND HEIGHT OF POWERHARVEST INVERTERS IS SHOWN IN FIG. 1. ALL MOUNTING HARDWARE WILL BE FURNISHED BY THE VENDOR.

30-TYPICAL P, S AND T SHALL NOT BE ORDERED PER J25501A-1 LIST 1 OR 17.

31-BATTERY STAND EQUIPMENT SHALL BE ORDERED PER J25501A-1 LIST 1 OR 17.

32-ORDER BLANK PANEL, BAFFLE & BAFFLE ASSEMBLY PER SECTION A, B & C AT THE END OF EACH SECTION A & B (SUPPLEMENTARY BAY).

33-N-225-224 LISTS 119 THRU 124 ARE FOR ALL RECTIFIERS

LINE	DESCRIPTION	RATING	LIST	QTY	CIRCUIT	FIG.	WIRING	APPARATUS
1	FRAMEWORK, ASSEMBLY, WIRING AND EQUIPMENT FOR ONE INITIAL DISTRIBUTION BAY EQUIPPED WITH A 1500 AMPERE CAPACITY DISTRIBUTION FEEDER BUS MOUNTED ON THE TOP HALF OF THE BAY (SEE NOTES 53, 56, 66, 73 & 87)			1	T-82603-30	1		
2	FRAMEWORK, ASSEMBLY AND EQUIPMENT FOR ONE SUPPLEMENTARY BAY EQUIPPED WITH A 1500 AMPERE CAPACITY DISTRIBUTION FEEDER BUS MOUNTED FROM THE TOP TO THE BOTTOM OF THE BAY (SEE NOTES 53, 56, 76 & 87)			2	T-82603-30	3		
3	FRAMEWORK, ASSEMBLY AND EQUIPMENT FOR ONE SUPPLEMENTARY RECTIFIER BAY (SEE NOTES 65, 66 & 87)			3				
4	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 TO PROVIDE ONE ACCT. CIRCUIT PACK AND ASSOCIATED MOUNTING HARDWARE FOR REDROFIT USE IN PLANTS WHERE THE PLANT LOAD MUST BE IN THE BATTERY INSTEAD OF THE GROUND LEAD (SEE NOTES 77 & 78)			4				
20	EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 OR LIST 2 TO PROVIDE MOUNTING BRACKETS FOR REAR COVERS.	12 INCH DEEP BAY	A					
21	EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 OR LIST 2 TO PROVIDE MOUNTING BRACKETS FOR REAR COVERS.	15 INCH DEEP BAY	B					
22	EQUIPMENT REQUIRED IN ADDITION TO LIST 3 TO PROVIDE REAR BASE COVERS FOR A.	12 INCH DEEP BAY	ND	C				
23	EQUIPMENT REQUIRED IN ADDITION TO LIST 3 TO PROVIDE REAR BASE COVERS FOR A.	15 INCH DEEP BAY	ND	D				
24	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 OR 2 TO PROVIDE BLANK PANEL OF	3 INCHES UNEQUIPPED USE OR CIRCUIT BREAKER 6 INCHES 9 INCHES (SEE NOTE 55)	E F G					
25	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 FOR A 1500 AMPERE CAPACITY DISTRIBUTION FEEDER BUS MOUNTED IN THE LOWER HALF OF THE BAY (SEE NOTES 53, 56 & 87)		H	1	T-82603-30	2		
26	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 WHEN A 100 AMPERE, 3 PHASE RECTIFIER IS TO BE MOUNTED IN THE LOWER HALF OF THE BAY PER J87436A-C OR J87437A-C.		J					
27	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 TO MOUNT ONE 100 AMPERE, 3 PHASE RECTIFIER IN THE LOWER OR LOWER HALF OF THE BAY ONLY AS REQUIRED FOR J87436A-C OR J87437A-C.		K					
28	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 OR LIST 2 WHEN STILE STRIPS ARE REQUIRED (SEE NOTE 58)		ND	L				
29	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 OR LIST 2 WHEN STILE STRIPS ARE REQUIRED (SEE NOTE 58)		ND	M				
30	EQUIPMENT REQUIRED IN ADDITION TO LIST 3 TO PROVIDE FILLER STILE STRIPS FOR EACH RECTIFIER ORDERED (MAX 2) (SEE NOTE 82)		ND	P				
31	EQUIPMENT REQUIRED IN ADDITION TO LIST 1, 2 OR 3 TO PROVIDE ERO COVERS FOR USE WITH A 12 INCH DEEP BAY (SEE NOTE 59)		ND	Q				
32	EQUIPMENT REQUIRED IN ADDITION TO LIST 1, 2 OR 3 TO PROVIDE ERO COVERS FOR USE WITH A 15 INCH DEEP BAY (SEE NOTE 59)		ND	R				
33	EQUIPMENT REQUIRED IN ADDITION TO LIST 3 TO PROVIDE A BLANK PANEL INTERED TO OCCUPY THE SPACE OF J87436 OR J87437 RECTIFIER POSITION (MAX 2) (SEE NOTE 82)		S					
34	EQUIPMENT REQUIRED IN ADDITION TO LIST 3 TO PROVIDE COVERS TO OCCUPY THE SPACE DIRECTLY ABOVE EACH J87436 OR J87437 RECTIFIER POSITION (MAX 2) (SEE NOTE 82)		T					
35	EQUIPMENT REQUIRED IN ADDITION TO LIST 1A WHEN LIST J OR AJ IS PROVIDED		U					
36	EQUIPMENT REQUIRED IN ADDITION TO LIST B WHEN LIST J OR AJ IS PROVIDED		V					
40	REQUIRED IN ADDITION TO LIST 1 AND J, WHEN THE POWER PLANT IS EQUIPPED WITH A RECTIFIER PER	J87436A-C -24 VOLT PLANT	M	1	T-82603-30	8		
41	REQUIRED IN ADDITION TO LIST 1 AND J, WHEN THE POWER PLANT IS EQUIPPED WITH A RECTIFIER PER	J87437A-C -24 VOLT PLANT	X	1				
42	REQUIRED IN ADDITION TO LIST 1 AND J, WHEN THE POWER PLANT IS EQUIPPED WITH A RECTIFIER PER	J87437A-C -48 VOLT PLANT	Y	1				
43	REQUIRED IN ADDITION TO LIST 1 AND J, WHEN THE POWER PLANT IS EQUIPPED WITH A RECTIFIER PER	J87436A-C -24 VOLT PLANT	Z	1				
44	REQUIRED IN ADDITION TO LIST 1 AND J, WHEN THE POWER PLANT IS EQUIPPED WITH A RECTIFIER PER	J87437A-C -24 VOLT PLANT	AA	1				
45	REQUIRED IN ADDITION TO LIST 1 AND J, WHEN THE POWER PLANT IS EQUIPPED WITH A RECTIFIER PER	J87437A-C -48 VOLT PLANT	AB	1				

LINE	DESCRIPTION	RATING	LIST	QTY	CIRCUIT	FIG.	WIRING	APPARATUS
61	CABLE ASSEMBLY REQUIRED IN ADDITION TO LIST 1 WHEN CIRCUIT BREAKERS ARE PROVIDED PER ED-83018-38 AND FEEDER DRAIN MONITORING IS REQUIRED AND CABLE LENGTH REQUIRED IS (SEE NOTE 75)	6 FEET FOR PBL POS 1A-1B 4 FEET FOR PBL POS 1-3, 11-13 3 FEET FOR PBL POS 4-6, 8-10	AC AD AE	1 1 1	T-82603-30	16 OR 23		HEC HEE
62	CABLE ASSEMBLY REQUIRED IN ADDITION TO LIST 1 WHEN CIRCUIT BREAKERS ARE PROVIDED PER ED-83018-38 AND FEEDER DRAIN MONITORING IS REQUIRED AND CABLE LENGTH REQUIRED IS (SEE NOTE 75)	9 FEET FOR PBL POS 1A-1B 4 FEET FOR PBL POS 1-3, 11-13 3 FEET FOR PBL POS 4-6, 8-10	AF	1			41 OR 42	HEE
63	CABLE ASSEMBLY REQUIRED IN ADDITION TO LIST 1 TO MOUNT ONE 100 AMPERE, 3 PHASE RECTIFIER PER J85502A-C IN LOWER HALF OF BAY (MAX 2) (NOTES 52, 66 & 67)	3 FEET FOR PBL POS 4-6, 8-10	AG	1				HEE
64	EQUIPMENT REQUIRED IN ADDITION TO LIST 3 TO PROVIDE ONE BAFFLE FOR 2ND 100 AMPERE 3 PHASE RECTIFIER PER J85502A ORDERED. TWO BAFFLES REQUIRED WHEN 3RD RECTIFIER IS ORDERED IN UPPERMOST OR CENTER POSITION OF BAY (MAX 2) (NOTES 52, 66 & 67)		AJ	1				
65	EQUIPMENT REQUIRED IN ADDITION TO LIST 3 TO PROVIDE A 24 INCH BLANK PANEL INTENDED TO OCCUPY THE SPACE OF ONE UNEQUIPPED RECTIFIER POSITION FOR J85502A RECTIFIERS (MAX 2)		AK	1				
70	EQUIPMENT REQUIRED IN ADDITION TO LIST AJ WHEN LIST KE IS PROVIDED.		AN	1				
71	EQUIPMENT REQUIRED IN ADDITION TO LIST AJ TO PROVIDE A 7 INCH 3-ANK PANEL TO OCCUPY THE SPACE DIRECTLY BELOW A J85502A RECTIFIER.		AR	1				
72	WHEN 7 INCH BLANK PANEL IS REQUIRED (SEE NOTE 84)		AP	1				
73	WHEN 8 INCH BLANK PANEL IS REQUIRED (SEE NOTE 84)		AQ	1				
74	WHEN 2 INCH BAFFLE IS REQUIRED (SEE NOTE 84)		AR	1				
75	WHEN BAFFLE ASSEMBLY IS REQUIRED (SEE NOTE 84)		AS	1				
76	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 OR LIST 1 AND 2 WHEN THE POWER PLANT IS EQUIPPED WITH A PCS CONTROLLER TO PROVIDE A CABLE ASSEMBLY AND TERMINALS FOR USE WITH A 100 AMPERE 3 PHASE RECTIFIER PER J85502A-C	-24 VOLT -24 VOLT -48 VOLT	AT AU AV	1 1 1	T-82603-30	55		HCV HCU HCL
77	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 OR LIST 1 AND 2 WHEN THE POWER PLANT IS EQUIPPED WITH A PCS CONTROLLER TO PROVIDE A CABLE ASSEMBLY AND TERMINALS FOR USE WITH A 100 AMPERE 3 PHASE RECTIFIER PER J85502A-C	-24 VOLT -48 VOLT	AW AX	1 1			57	HVG HVC
78	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 OR LIST 1 AND 2 WHEN THE POWER PLANT IS EQUIPPED WITH A PCS CONTROLLER TO PROVIDE A CABLE ASSEMBLY AND TERMINALS FOR USE WITH A 100 AMPERE 3 PHASE RECTIFIER PER J85502A-C	-24 VOLT -48 VOLT	AY AZ	1 1			48	HGD HGL
79	UNASSIGNED							
83	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A PCS CONTROLLER TO PROVIDE A CABLE ASSEMBLY AND TERMINALS FOR USE WITH A 100 AMPERE 3 PHASE RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2 3 & 4	BA BB	1 1	T-82603-30	46		HGC HGL
84	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BC	1			48	HGP
85	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -24 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BD	1			51	HGT
86	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BE	1			55	HGU
87	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -24 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BF	1			57	HGV
88	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BG	1			55	HVB
89	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -24 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BH	1			55	HVC
90	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BI	1			55	HGX
91	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -24 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BJ	1			57	HGT
92	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BK	1			57	HHT
93	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -24 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BL	1			57	HHP
94	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BM	1			57	HHE
95	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -24 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BN	1			57	HHE
96	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION	1 & 2	BO	1			57	HHL

LINE	DESCRIPTION	RATING	LIST	QTY	CIRCUIT	FIG.	WIRING	APPARATUS
97	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION		BR	1	T-82603-30	46		HHP
98	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -24 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION		BS	1			51	HHT
99	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION		BT	1			51	HHT
100	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -24 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION		BV	1			51	HHT
101	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION		BW	1			51	HHT
102	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -24 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION		BX	1			51	HHT
103	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION		BY	1			51	HHT
104	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -24 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION		BZ	1			51	HHT
105	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -48 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION		CA	1			51	HHT
106	EQUIPMENT REQUIRED IN ADDITION TO LIST 1 (INITIAL BAY) WHEN THE POWER PLANT IS EQUIPPED WITH A CONVENTIONAL CONTROLLER TO PROVIDE A CABLE ASSEMBLY FOR USE WITH A -24 VOLT 25 AMP RECTIFIER PER J85502A-C MOUNTED IN POSITION		CB	1			51	HHT
107	APPEARANCE PACKAGE FOR A 12 OR 15 INCH DEEP BAY PER LIST 1 OR 2		CA					
108	APPEARANCE PACKAGE FOR A 12 OR 15 INCH DEEP BAY PER LIST 3		CB					
109	ERO COVER APPEARANCE PACKAGE FOR A 12 INCH DEEP BAY (SEE NOTES 12 & 59)		CC					
110	ERO COVER APPEARANCE PACKAGE FOR A 15 INCH DEEP BAY (SEE NOTES 12 & 59)		CD					
111	APPEARANCE PACKAGE WHEN RECTIFIERS PER J87436A OR J87437A ARE MOUNTED IN LIST 1 BAY AND LIST 2A IS MOUNTED IN POSITION		CE					
112	APPEARANCE PACKAGE WHEN RECTIFIERS PER J87436A OR J87437A ARE MOUNTED IN LIST 3 BAY (MAX 2)		CF					
113	ALWAYS REQUIRED IN ADDITION TO LIST 1 TO PROVIDE A BINDER AND BASIC PLANT MANUAL (SEE NOTES 18 & 19)		CG	1				

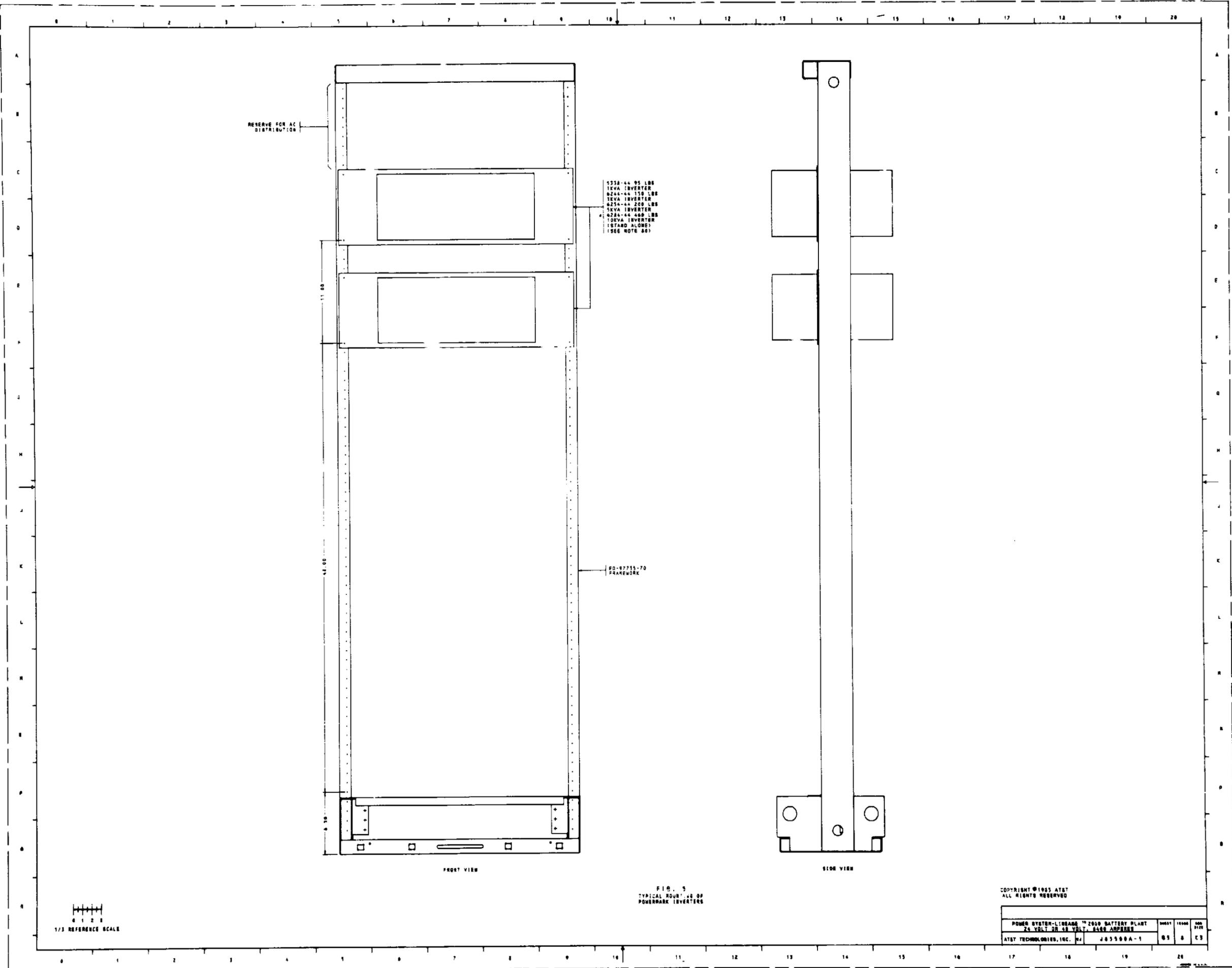


FIG. 5
TYPICAL RACKING OF
POWERMARK INVERTERS

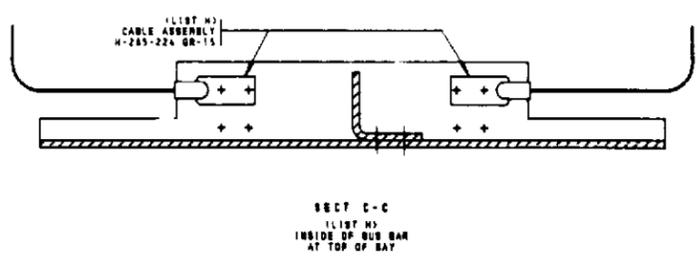
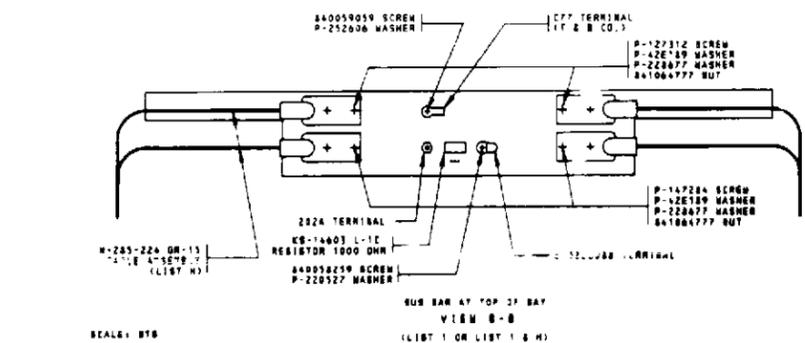
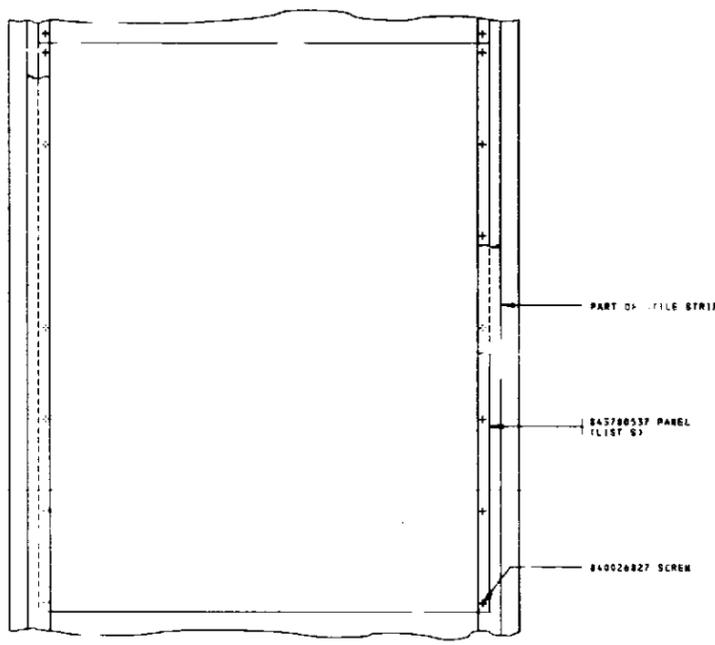
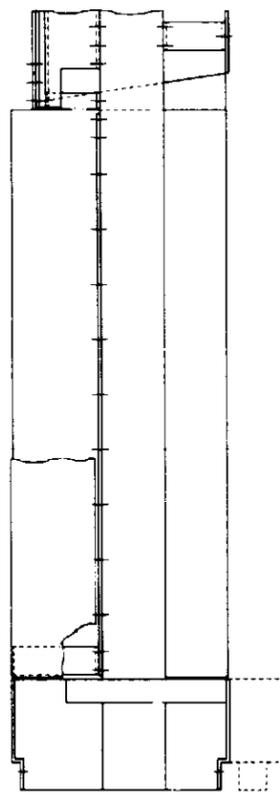
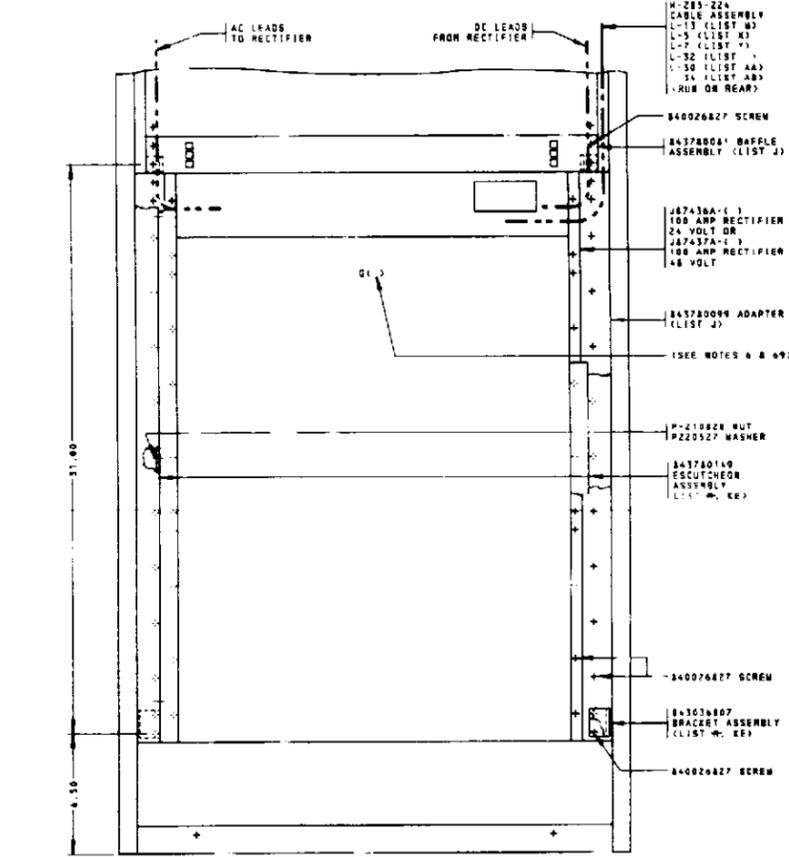
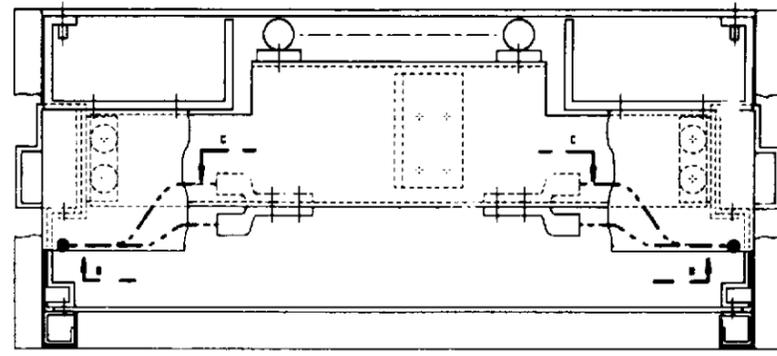
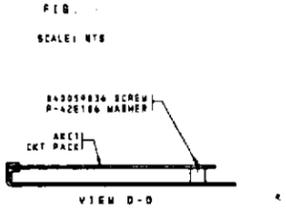
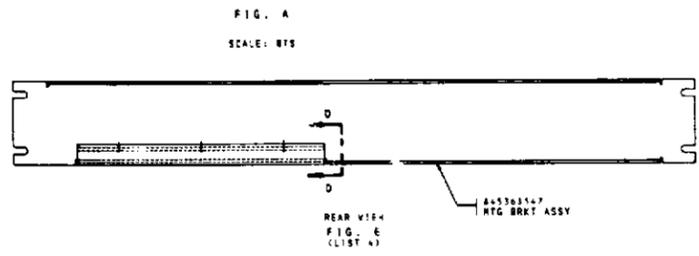
1/3 REFERENCE SCALE

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POWER SYSTEM-LIBRARY™ 2000 BATTERY PLANT		NOV81	10000	600
24 VOLT OR 48 VOLT, 6000 AMPERE		03	8	C3
AT&T TECHNOLOGIES, INC.	J83500A-1			

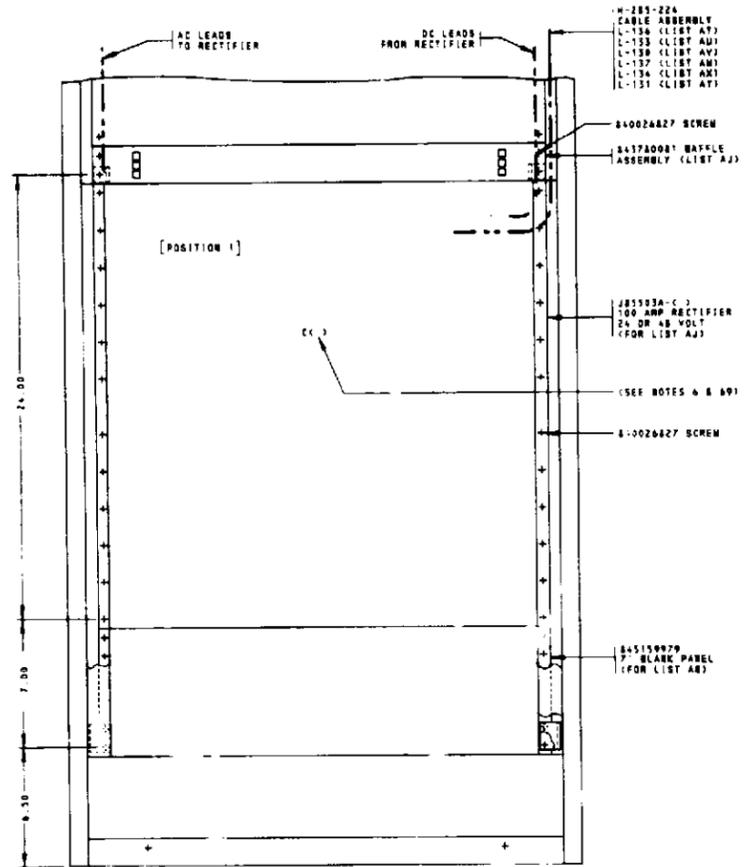
BELLMASTER POWER PLANT J4550A 187-799-187 OPERATION BWP		MODULE
PLANT DOCUMENTS	CONTROLLER DOCUMENT	BAY
402-428-081 J SPEC 187-799-182 DEBC BWP 8022883-01	402-173-137 J SPEC 187-799-181 DEBC BWP 8022883-01	(L 3)

LINEAGE™ 2000 BATTERY PLANT (8130A 187-799-188 OPERATION BWP)		MODULE
PLANT DOCUMENTS	CONTROLLER DOCUMENT	BAY
402-428-081 J SPEC 187-799-182 DEBC BWP 8022883-01	402-173-137 J SPEC 187-799-181 DEBC BWP 8022883-01	(L 3)



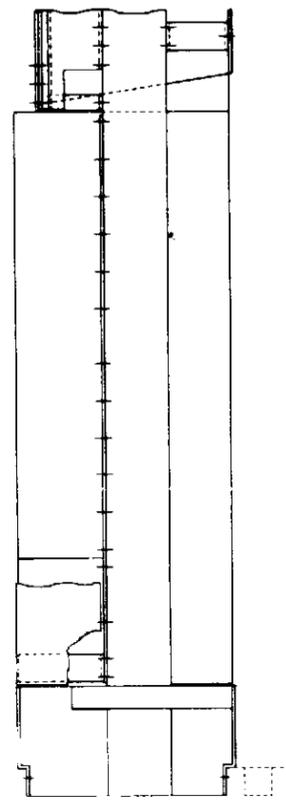
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POWER SYSTEM-LINEAGE™ 2000 BATTERY PLANT 24 VOLT OR 48 VOLT - 600 AMPERES	REV. 1	1988	000
AT&T TECHNOLOGIES, INC. 04 J45500A-1	C1	11	C3



PARTIAL FRONT VIEW

FIG. W
 (WHEN J85503A-C-1 RECTIFIER IS PROVIDED AS FIG. 1) OTHERWISE AS FIG. 1



PARTIAL END VIEW

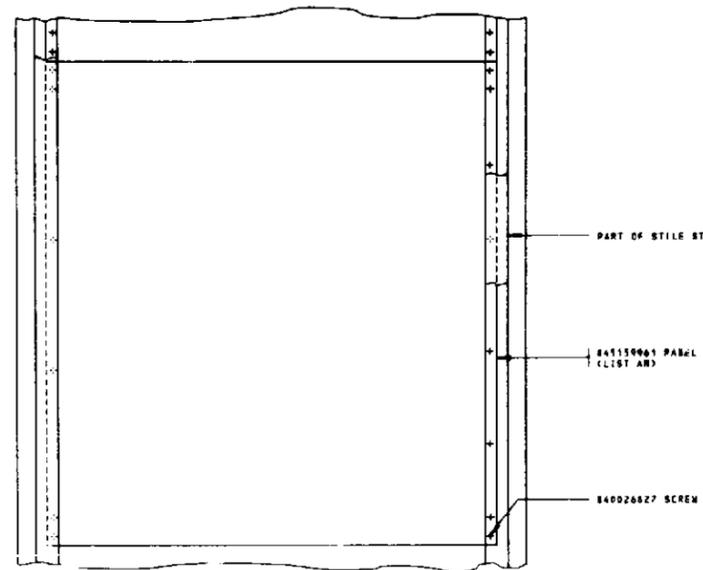


FIG. G
 PARTIAL FRONT VIEW
 OTHERWISE SAME AS FIG. G LIST 3 & AX

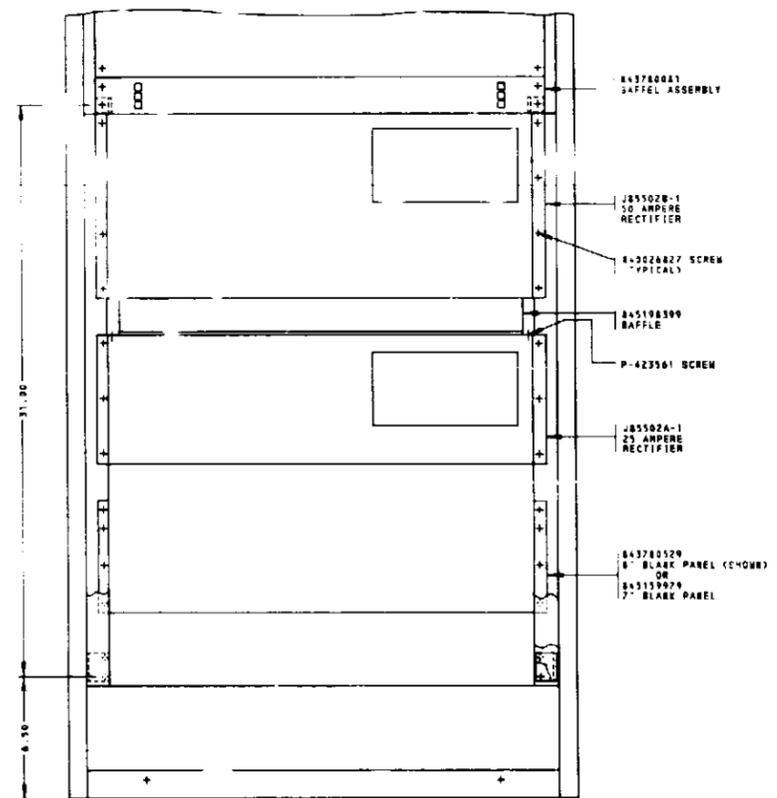


FIG. F
 TYPICAL MOUNTING
 (SEE SKETCH A 2 C.3 & E)

SCALE: 878

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POWER SYSTEM—LINEAR™ 2000 BATTERY PLANT 24 VOLT 48 VOLT, 4850 AMPERE	NO. 11	11800	1000
AT&T TECHNOLOGIES, INC.	J85500A-1	CZ	11 C.3

