

SHEET INDEX - SD DWG & T DWG SHEET ISSUES ARE IN AGREEMENT AS FOLLOWS

SCHEMATIC		ISSUE							
SD-82659-01		1	2	3	4	5	6	7	8
WIRING DIAGRAM									
AUTO CHG									
AHT	BH NO.	1	2	3	4	5	6	7	8
	B1	1	2	3	4	4	4	4	8
	B2	1	2	3	4	5	6	6	8
	B3	1	2	2	2	2	2	2	8
	B4	1	2	2	4	5	5	5	8
	B5	1	1	1	4	4	4	4	4
	B6	-	-	-	4	4	4	4	8
	D1	1	1	1	4	4	4	4	4

- 51-SEE SHEET INDEX FOR DRAWING FROM WHICH THIS DRAWING IS MADE.
- 52-CONNECTING DRAWINGS
CHARGE & DISCHARGE CKT
T-82604-30
T-82607-30, -31
T-83104-30
- 53-ASSOCIATED DRAWINGS
PLANT CONTROL CKT
REMOTE ACCESS SYS
T-82646-30
T-82988-30
SD-82645-01
- 54-EQUIPMENT ARRANGEMENT
J89502C-1
- 55-PROVIDE A NO. 6 AWG KS-5482-01 FRAME GROUNDING CONDUCTOR FROM THE BAY FRAMEWORK THAT MOUNTS THE RECTIFIER TO THE C.O. GRD SYSTEM IN ACCORDANCE WITH SD-82659-01 NOTE 313.
- 56-FURNISH FIG H4 FOR NEGATIVE GROUND SYSTEM OPERATIONS (J89502C-1 LIST 4)
FURNISH FIG H3 FOR POSITIVE GROUND SYSTEM OPERATIONS (J89502C-1 LIST 1 OR 2).

AC INPUT	OUTPUT		LINE FUSES **		INPUT CONDUCTORS	
	VOLTS	AMPS	UL APP'D BUSSBAR	TYPE FN	KS-5482-01 L2BR	KS-20789*
208	24	125	FRN-R25R30	25 30	3, NO. 10	2, NO. 10
240			FRN-R25	25		
208	48		FRN-R30R80	80 48	2, NO. 8 &	2, NO. 8
240			FRN-R45R50	45 50	1, NO. 10	

- *COMES WITH A BARE GROUND WIRE.
**TWO PER RECTIFIER OR AN EQUIVALENT CIRCUIT BREAKER
- 58-THIS RECTIFIER CONNECTS TO VARIOUS CONTROLLERS VIA CABLE ASSEMBLIES PER H285-224 OR H-285-226 SHOWN ON INDIVIDUAL PLANT SCHEMATICS. SEE SD-82659-01 TABLE A FOR THE REQUIRED CONNECTIONS.
- 59-SPECIFY FIG H5 TO MONITOR RECTIFIER CURRENT FOR REMOTE ACCESS SYSTEM.
- 60-PER SD-83103-01 NOTE 2 THE 1/0 DC OUTPUT WIRE WILL CARRY 125 AMP WITH A 1.0 VOLT ONE WAY VOLTAGE DROP A DISTANCE OF 76 FEET. IF LARGER DC OUTPUT WIRES ARE REQUIRED, TAP THE LARGER WIRE DOWN TO 1/0 SIZE OF KS-20921 FOR TERMINATING INSIDE THE RECTIFIER.
- 76-MODIFICATION OF SD-82659-01 CONSISTS OF CONSIDERING CHANGES PER LD3M.

- MANUFACTURING NOTES CONVENTIONS**
- DIVISION OF GENERAL WIRING VIEWS
 - CONN FURN AS PART OF APP
 - SCREW CONNECTION
 - CABLE
 - SHIELDED WIRE (WITH GRD TRACER)
 - PLUG IN CONNECTION
- 1-UNLESS OTHERWISE SPECIFIED ALL WIRING TO BE 22GA STRANDED PER KS-22247, L4.
- 2-WIRING TO BE 22GA STRANDED UNLESS OTHERWISE SPECIFIED, PER KS-22247, L5.
- 3-EU-22GA STRANDED SHIELDED WIRE PER 9322 BELDEN COMPANY.
- 4-SKR-SKINNER CONNECTION.
- 5-P -PAIR
- 6-PT- WIRES FURNISHED AS PART OF THE APPARATUS.
- 7-THE INSTALLER TO MOVE THE TAB AT THE TB1 TERM STRIP (FIG H2) TO EXPOSE THE PROPER TERMINALS FOR 208V OR 240V INPUT VOLTAGE CONNECTION. FOR 208V AC INPUT CONNECT TO TERMINALS DESIGNATED 208/240V AND 208V. FOR 240V AC INPUT CONNECT TO TERMINALS DESIGNATED 208/240V AND 240V.
- 8-NO WIRES ON THIS DRAWING ARE TO BE RUN BY THE INSTALLER EXCEPT WIRES IN FIG H1 THRU H6 IN FIG 3 (SH88) AT QUICK CONNECT TERMINALS TO PROVIDE ACCESS TO ALARM & CONTROL FUNCTIONS.

N0085902N1-3	9-87
ON SH2, (K1) CONTACTOR V APP WAS NOT SO DES, W APP ADDED. ON SHTS B3 & B4 (C10) & (C11) CAPS & ASSOC WRG INTERCON	CLASS M
ON SH A1, NOTE 54 "T-82645-30" LINED OUT B "EJ-82645-01" ADDED. IN NOTE 56 LIST A LINED OUT & LIST B ADDED. IN NOTE 57 CHANGES MADE IN TABLE. IN NOTE 58 REF TO H-285-226 ADDED IN FIG 1 (SH 81) AT (RFA), (FA) & (PWR) DIO REF TO 531A, 531A & 531B ADDED RESP. ON (SH B2) AT (CR3) & (CR4) DIO REF TO D75NR400B & D75NR400B LINED OUT AND D75NR400B & D75NR400B ADDED RESP. AT (K1) CONTACTOR REF TO 630NA LINED OUT & 63-11-9 ADDED. CHG AGREES WITH DALLAS PT ISS 2.1.	CLASS "M"
ON SH A1, IN TAB B, ADDED ISSUE 4. IN TAB C, ADDED LINES 20, 21, 24, 25. ADDED NOTE 76 & MANUF. NOTE & ON SH B1, ADDED CONN. 25 & 29. ON SH B2, AT CONN. 50, LINED OUT NOTE, ADDED NOTE. ON SH B4, FIG. 8, ADDED "ZN". ON SH B5, ADDED FIG. 3, ADDED SH88. ON SH D1, ADDED FIG. H6.	CLASS "M"
CHG. PER N0085902N1-10	CLASS "M"
SHT A1 - TABLE C, D, ADD OPT ZP	4
SHT B2 - ADD C14	
SHT B4 - ADD C18	
80DJ5006	CLASS "M"
4-10-90	
SHT A1 ADDED 846567196 WIRE SET	
SHT B4 ADDED 846567196	
5-04-90 WIRE SET	
ON SH A1, IN NOTE 57, LINED OUT R60 / 60.	
PDI T82659-30 ISS DJ1	CLASS "AC"
9-20-90	
RLW	T.J.D.
ON SH A1, IN TABLES B, C, D, ADDED ZQ & ZR OPTIONAL. ON SH B1, ADDED ZQ & ZR. ON SH B3, B4, B6 CHG. C10 & C11 TO AERVOX CAPS WERE G.E. CAPS.	
PER DALLAS PRINT 199. 71	
PDI 92E030951	CLASS AC
06-02-92	
MAC	W.F.
	8

	I	ZQ	I	ZQ	
	I	ZR	I	ZR	ZR
25					
				C	
				B	
		ZM		ZM	
20		ZM		ZM	
		ZA		ZA	
		Z		Z	
		Y		Y	
		W		W	W
15		V		V	V
		T		T	
		Q		Q	
		M		M	
		F		F	F
10	CAD5		H5		
	CAD4	Y	H4		
	CAD3	Z	H3		
	CAD2		H2		
5	CAD1		H1		
	2		2		
		F, W	B		ZP
		F, V	A		
		F, ZP	T		ZP

LINE	FIG	OPT	FIG	WRG	APP	REMARKS
	SD-82659-01		T-82659-30			
SCHEMATIC FIGURES AND OPTIONS AGREE WITH SIMILARLY DESIGNATED WIRING DIAGRAM FIGURES AND OPTIONS EXCEPT AS SHOWN ABOVE. WE ASSIGNED FIGURES AND OPTIONS ARE PREFIXED WITH LETTER H AND HAVE NO SCHEMATIC EQUIV UNLESS SHOWN ABOVE. ITEMS IN () PARENTHESES ARE FOR INFORMATION ONLY AND ARE NOT TO BE RECORDED ON JOB WIRING LIST DRAWINGS.						
TABLE C - SD T DWG CROSS REFERENCE TABLE						
CA	CB	CC	CD	CE	CF	

LINE	FIG	OPT	FIG	WRG	APP	REMARKS
	SD-82659-01		T-82659-30			
1						I ZQ, ZR B1
						C ZM B8
						H1 TO H6 ZN D1
2,3						V, W, ZA, ZM
						F, H, Q, T
8						Y, Z, ZP
A						Y, Z
1						Y, Z, ZP B1, B2
FIG						OPT SHEET

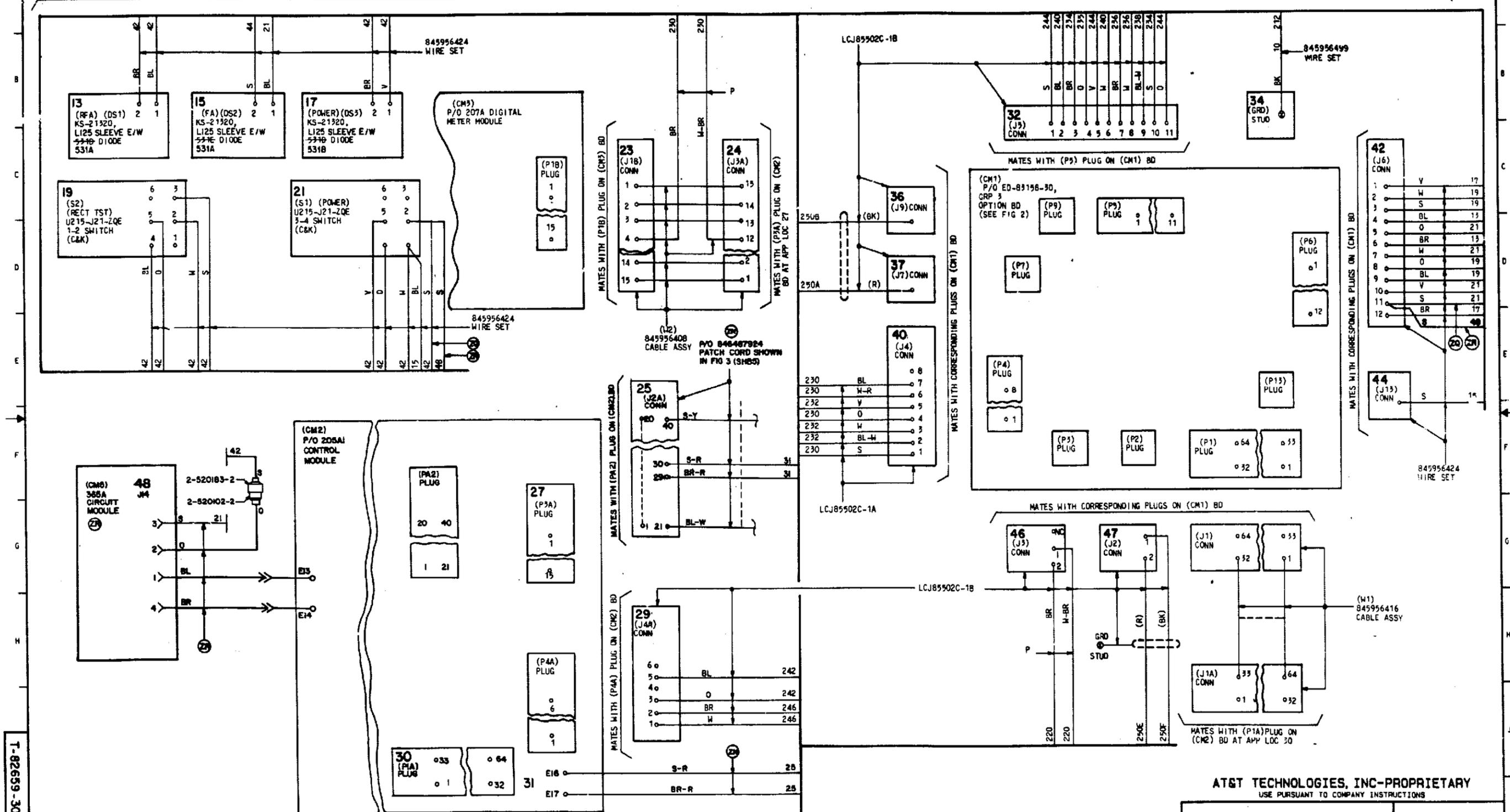
T-82659-30

AT&T TECHNOLOGIES, INC.-PROPRIETARY
USE PURSUANT TO COMPANY INSTRUCTIONS

POWER SYSTEM RECTIFIER CIRCUIT INPUT: 208 VOLTS OR 240 VOLTS 60HZ OUTPUT: 24 VOLTS OR 48 VOLTS 125 AMPERES		8 SHEETS DIST CODE 8M10	
DWG SIZE 65		ISSUE 8	
AT&T TECHNOLOGIES, INC.		T-82659-30	
SHEET		AI	

FIG 1 (CONTD)
208Y/240V INPUT
125AMP RECT

EQUIPMENT MOUNTED ON DOOR (VIEWED WITH DOOR OPEN)

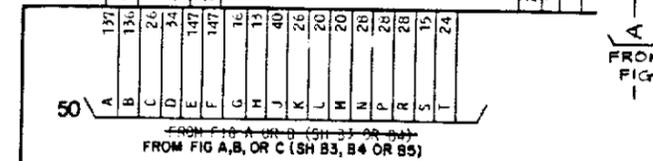
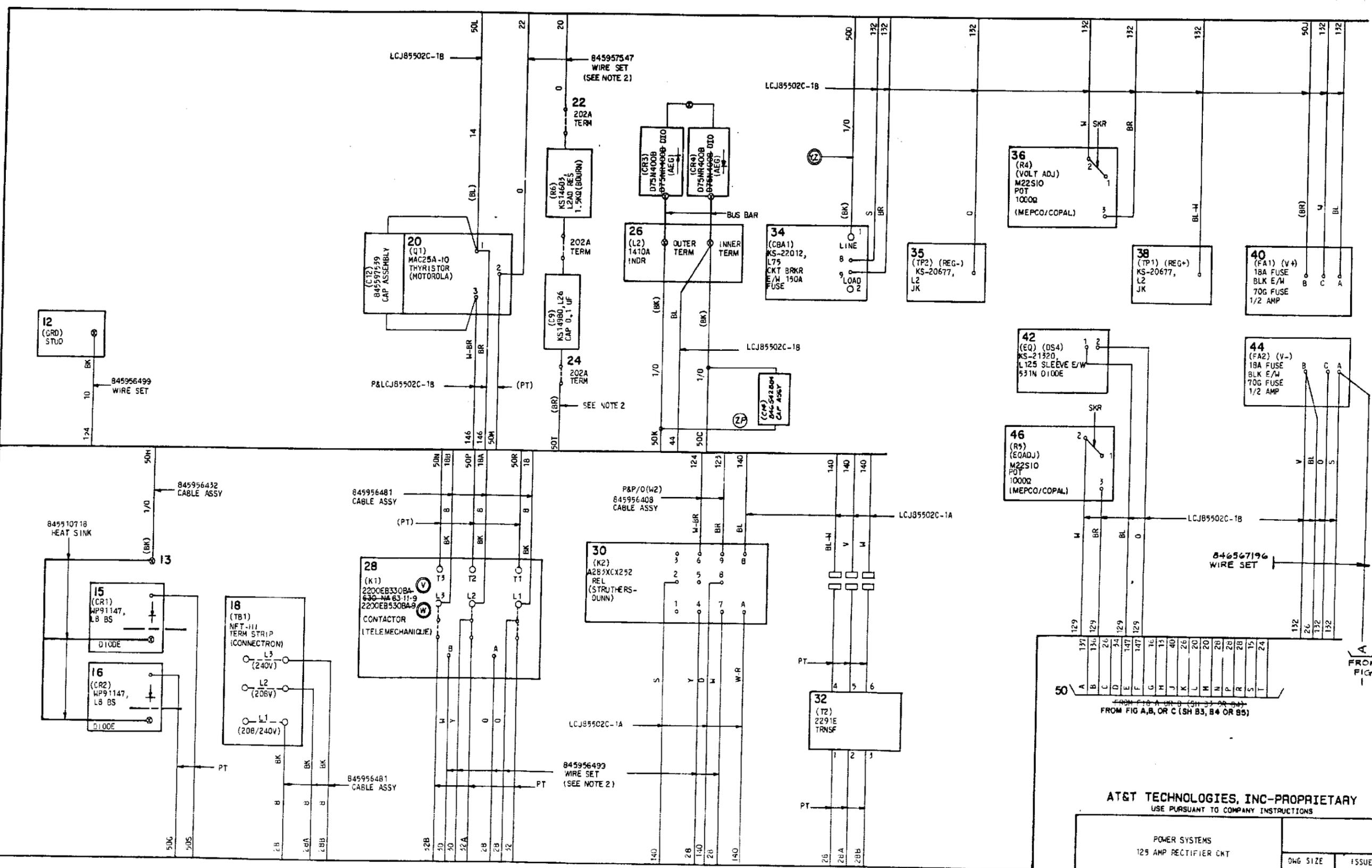


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POWER SYSTEMS 125 AMP RECTIFIER CKT		DWG SIZE 65	ISSUE 3
AT&T TECHNOLOGIES, INC. T-82659-30		SHEET B1	

T-82659-30
SHEET B1

FIG 1



AT&T TECHNOLOGIES, INC-PROPRIETARY
USE PURSUANT TO COMPANY INSTRUCTIONS

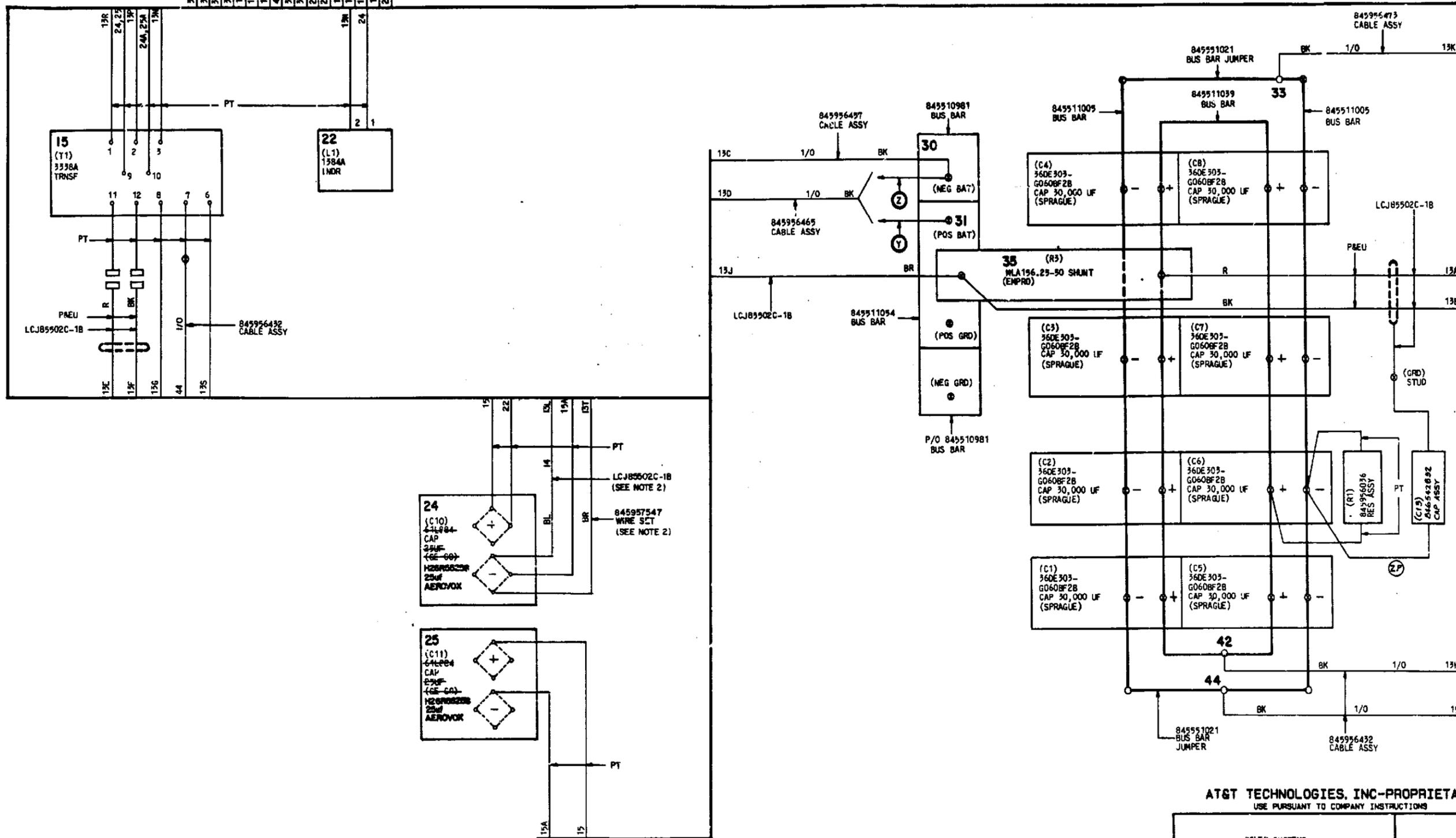
POWER SYSTEMS 125 AMP RECTIFIER CNT		DWG SIZE 65	ISSUE 6
AT&T TECHNOLOGIES, INC. T-82659-30		SHEET B2	

T-82659-30
SHEET B2

FIG B
48 VOLT
OUTPUT

TO FIG 1 (SH B2)

13	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
	35	35	30	31	15	15	42	33	24	15	15	15	15	15	15	15	15	15	24	24



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USE PURSUANT TO COMPANY INSTRUCTIONS

POWER SYSTEMS 125 AMP RECTIFIER CKT		DWG SIZE 65	ISSUE 8
AT&T TECHNOLOGIES, INC. T-82659-30		SHEET B4	

T-82659-30
SHEET
B4

FIG 2
OPTION BOARD

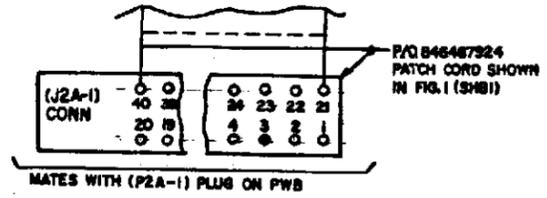
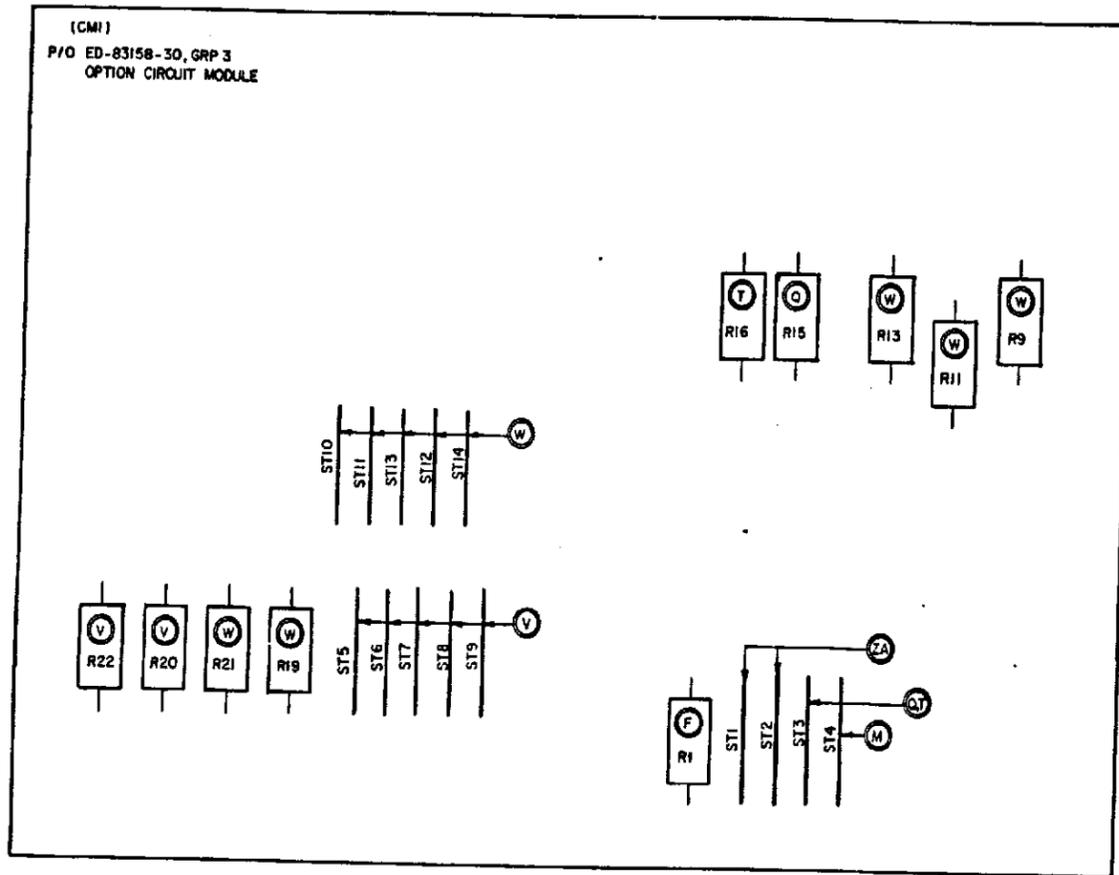
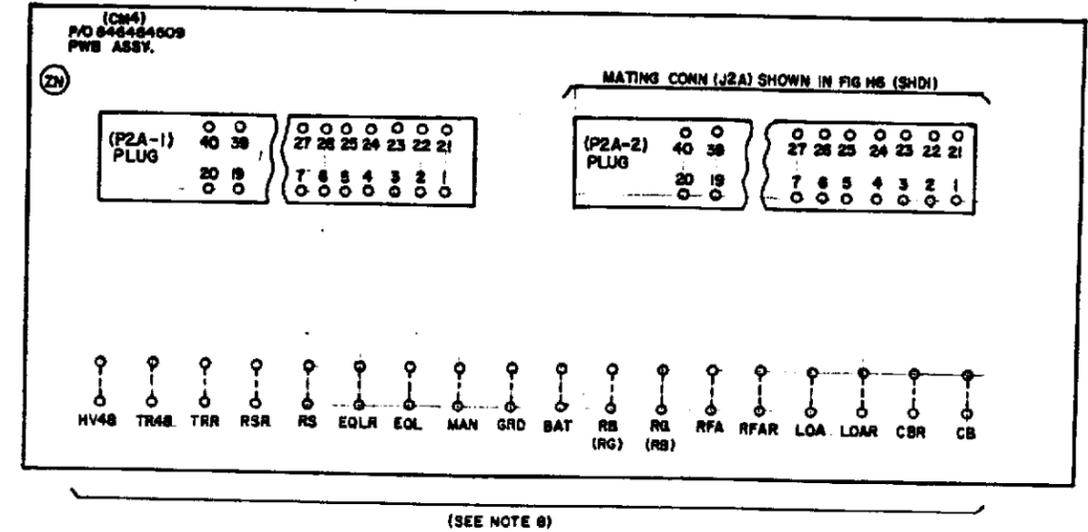


FIG. 3



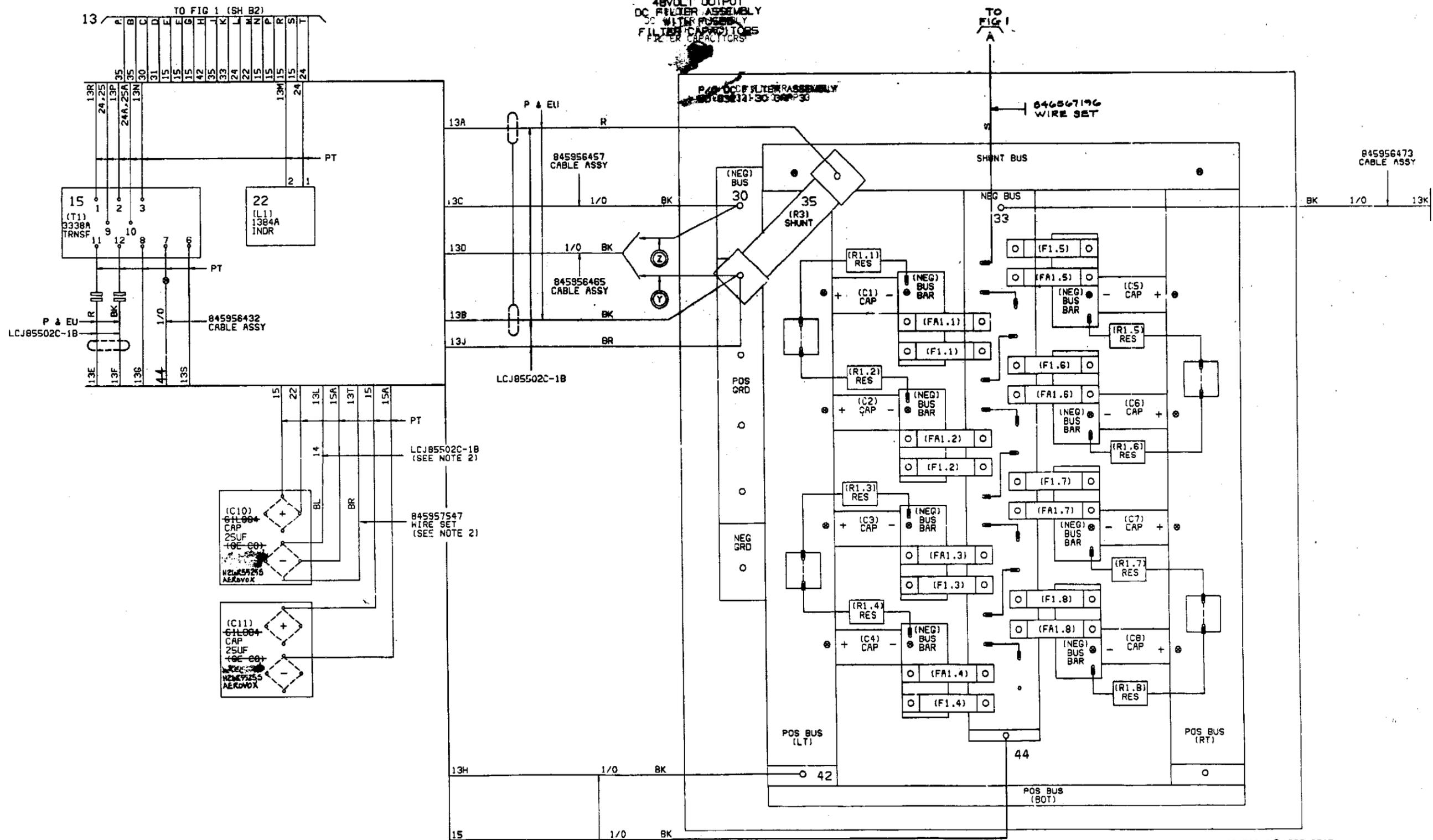
T-82659-30

SHEET
B5

AT&T TECHNOLOGIES, INC-PROPRIETARY
USE PURSUANT TO COMPANY INSTRUCTIONS

POWER SYSTEMS 125A RECTIFIER CKT		DWG SIZE 65	ISSUE 4
AT&T TECHNOLOGIES, INC.		T-82659-30	
		SHEET B5	

FIG. C
 ELD C
 48VOLT OUTPUT
 DC FILTER ASSEMBLY
 DC FILTER ASSEMBLY
 FILTER CAPACITORS
 FILTER CAPACITORS



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125 AMP RECTIFIER CKT		SHEET	ISSUE	DMG
AT&T	NO T-82659-30	B6	2	SIZE C2

FIG H1
POWER PLANT
CONNECTIONS

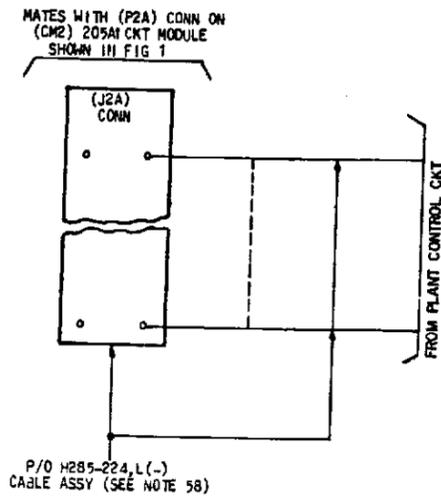


FIG H4
NEG GRD
(SEE NOTE 56)

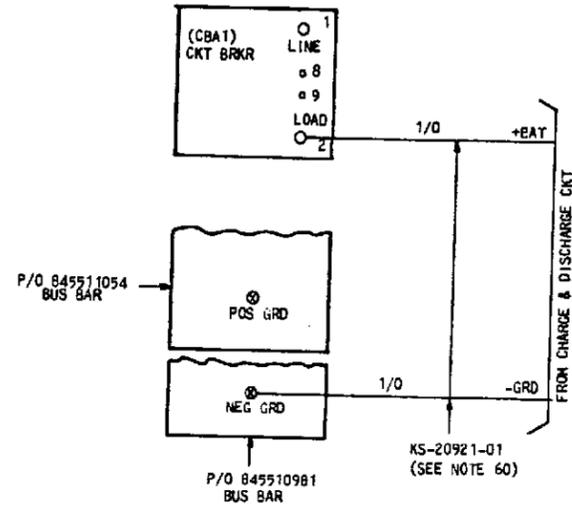


FIG H5
REMOTE ACCESS
SYSTEM
(SD-82645-01)
(SEE NOTE 59)

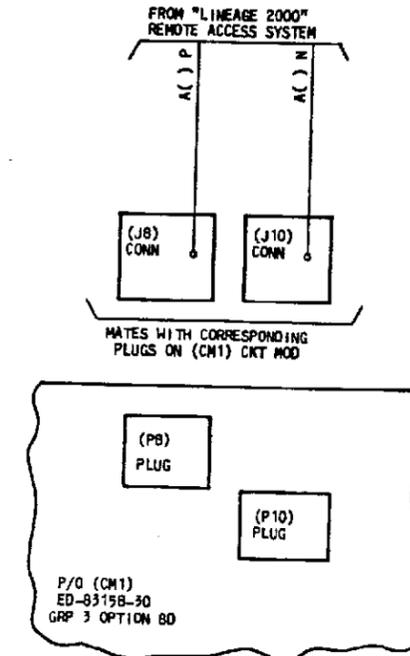


FIG H2
208V OR 240V AC SUPPLY

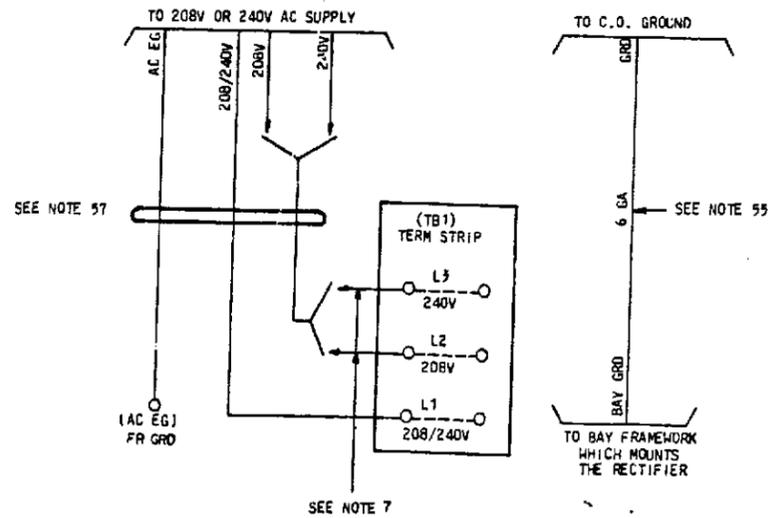


FIG H3
POS GRD
(SEE NOTE 56)

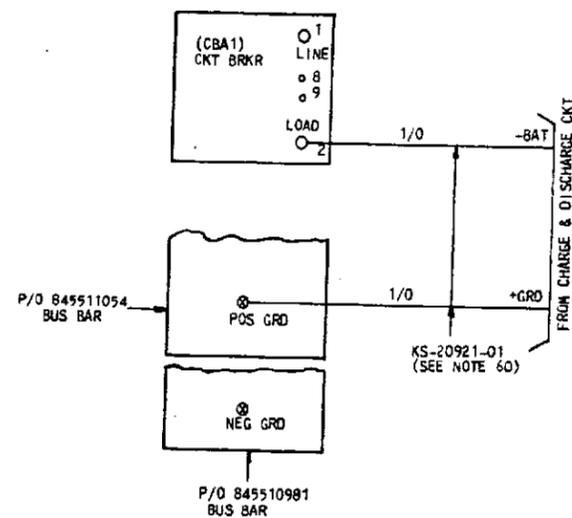
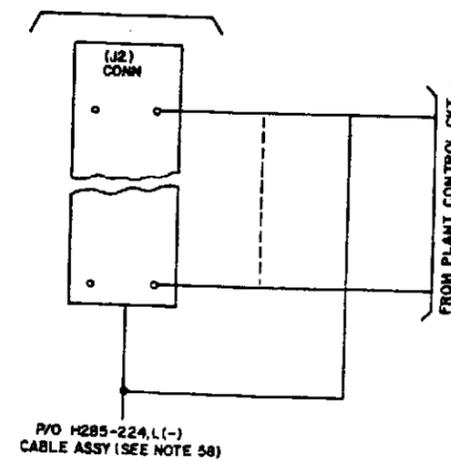


FIG H6
POWER PLANT
CONNECTIONS
(Z)

MATES WITH (P2A-2)
CONN ON PWB 846484509
SHOWN IN FIG 3 (SHB5)



AT&T TECHNOLOGIES, INC-PROPRIETARY
USE PURSUANT TO COMPANY INSTRUCTIONS

POWER SYSTEM 125A RECTIFIER CKT		DWG SIZE 6S	ISSUE 4
AT&T TECHNOLOGIES, INC. T-82659-30		SHEET D1	

T-82659-30

SHEET
D1