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

SCHEMATIC SD-83102-01 — ISSUE: 1 PREL | 1 MOD | 2 MOD

WIRING DIAGRAM — AUTO CHG — 1KY H

SH NO.	ISSUE												
A1	1	2	3	4	5	6	7	8	9	10	11	12	13
B1	1	2	2	2	2	2	2	2	2	2	2	12	13
B2	1	2	3	3	3	3	3	8	9	9	9	9	9
B3	1	2	2	2	2	2	2	8	9	9	9	9	9
B4	1	2	2	4	5	5	7	8	8	8	8	12	12
B5	1	2	3	4	4	6	7	7	7	7	7	7	7
B6	1	2	3	3	3	3	3	8	9	9	11	12	12
B7	1	2	3	3	5	5	5	8	8	8	11	12	12
B8				4	4	4	7	8	8	8	8	12	12
D1	1	2	2	2	2	6	7	7	7	10	10	10	10
D2	-	-	-	-	-	6	6	6	6	6	6	6	6

76- MODIFICATION OF SD-83102-01 CONSIST OF MAKING CHANGES PER LDI SD-83102-01 ISSUE 1D, 2A, & 2B

63- IF IN THE FUTURE ANY 1337B INDUCTOR, (L1) OR (L2) PER SHEET B5, FIG. 1, "D" OPTION REQUIRES FIELD REPLACEMENT, BOTH (L1) & (L2) MUST BE REPLACED WITH 1337A INDUCTORS SINCE 1337B INDUCTORS HAVE BEEN MANUFACTURE DISCONTINUED. FOR EACH UNIT, ORDER TWO (2) 1337A INDUCTORS (COMCODE 104154042), TWO (2) CAPACITORS, (G.E.) 97F5349 (COMCODE 405450222) AND ONE (1) WIRE SET WK8 (COMCODE 845808252). INSTALL AS PER "E" OPTION IN SHEET B5 FIG. 1, SHEET B8 FIG. C & FIG. D. IF (F3) FUSE HAS BEEN REPLACED WITH 70G FUSE PER NOTE 62, IT IS NOT NECESSARY TO CHANGE THE FUSE.

60- IF 3245C TRANSFORMER (T3) PER SHEET B6 FIG A "ZB" OPTION REQUIRES FIELD REPLACEMENT, IT IS NECESSARY TO ORDER A (T3)-TRANSFORMER FIELD REPLACEMENT KIT. REFER TO J85503C-1 DRAWING FOR ORDERING INFORMATION SEE ENGINEERING NOTE 59.

61- IF 3245D TRANSFORMER (T3) PER SHEET B7 FIG. B "A" OPTION REQUIRES FIELD REPLACEMENT, IT IS NECESSARY TO ORDER A (T3)-TRANSFORMER FIELD REPLACEMENT KIT. REFER TO J85503C-1 DRAWING FOR ORDERING INFORMATION SEE ENGINEERING NOTE 60.

62- ALL UNITS IN THE FIELD WHICH CONTAIN 1337B INDUCTORS (L1 & L2) PER SHEET B5 FIG. 1, "D" OPTION MUST BE MODIFIED PER CN C10003DJ AS FOLLOWS:

A. REPLACE 70A FUSE (F3) WITH 70G FUSE PER SHEET B1, FIG 1, "D" OPTION.

B. REPLACE DESIGNATION PIN KS-14174 L-1 WITH KS-14174 L-7.

C. COVER STAMPINGS "1⅓ AMP" ON CONTROL PANEL 845368152 WITH LABEL 846717189.

USE 70G FUSE FOR FUTURE REPLACEMENTS ON THESE UNITS. FOR THE UNITS WHICH CONTAIN 1337A INDUCTORS (L1 & L2) PER SHEET B5, FIG. 1, "E" OPTION, (F3) FUSE REMAINS TO BE 70A-1⅓ AMP FUSE PER SHEET B1, FIG. "E" OPTION.

ENGINEERING NOTES

51-SEE SHEET INDEX FOR DRAWING FROM WHICH THIS DRAWING IS MADE.

52-CONNECTING DRAWINGS:
LINEAGE 2000(TM) BAT PLANT T-82603-31

53- EQUIPMENT ARRANGEMENT
J85503C-1
ED-83113-30

54-SPECIFY FIGURES & OPTIONS AS FOLLOWS:

FIG		OPTION	COMMERCIAL AC INPUT
1	A	HA	208V AC
		HB	240V AC
	B	-	480V AC

55-SEE J85503C-1, NOTE 52 FOR OPTIONS REQUIRED IN FIG 2

56-SPECIFY FIG 3 & HB WHEN EN CELL CHARGING IS REQUIRED.

57-RECTIFIERS IN THE FIELD PER T-83102-30 FIG. A "ZA" OPTION WITH (T3) 3245A TRANSFORMER, MUST BE MODIFIED TO REPLACE THE TRANSFORMER WITH 3245F CODE, PER "ZN" OPTION.

58-RECTIFIERS IN THE FIELD PER T-83102-30 FIG. B "B" OPTION WITH (T3) 3245B TRANSFORMER, MUST BE MODIFIED TO REPLACE THE TRANSFORMER WITH 3245G CODE PER "ZM" OPTION.

59-IF 531A (DS1 & DS2) OR 531B (DS3) LIGHT EMITTING DIODE PER SHEET B1 FIG 1 "ZR" OPTION REQUIRES FIELD REPLACEMENT, ORDER WP-90184, L5 FOR DS1 & DS2 OR WP-90184, L6 FOR DS3 PER "ZS" OPTION. IT IS ALSO NECESSARY TO ORDER ONE KS-21320, L110 SLEEVE FOR EACH DIODE PER "ZS" OPTION BECAUSE THE OLD LED SOCKET KS-21320 CAN NOT ACCOMODATE THE NEW LED.

MANUFACTURING NOTES
CONVENTIONS

SHOP | INSTL

—X— SPLICE

▬—— TERMINAL LUG

— — — DIVISION OF GENERAL WIRING VIEWS

- - - - CONNECTION FURNISHED AS PART OF APPARATUS

⊗ SCREW CONNECTION

Δ LEADS NOT INCLUDED IN LOCAL CABLE BUT RUN BY SHOP.

1. ALL WIRING TO BE 03 SURFACE WIRING. 22 GAUGE STRANDED KS-22247, L-4 COLORED GREEN UNLESS OTHERWISE SPECIFIED.
2. LC A WIRES IN LOCAL CABLE TO BE 22 GAUGE STRANDED KS-22247, L-4 UNLESS OTHERWISE SPECIFIED
3. W X NONRECORD OPTIONAL WIRING.
4. B1 - TERMINAL NEAREST MOUNTING PANEL
5. PT - LEADS FURNISHED WITH COMPONENT.
6. LEADS SHOWN TERMINATED IN COMPONENTS WITHOUT TERMINALS ARE FURNISHED WITH COMPONENTS.
7. P - PAIR
8. TP - PAIR MADE BY TWISTING 2 SINGLE WIRES RESPECTIVELY TOGETHER NOT LESS THAN ONE TURN PER 1 1/4 INCH. (SHOP: X)
9. MATING OF PRINTED WIRING BOARD PLUGS & CONNECTORS SHALL NOT BE MADE UNTIL SHOP WIRING IS COMPLETED AS TRANSIENT VOLTAGES MAY BE DEVELOPED WHICH MAY DAMAGE PWB COMPONENTS. (SHOP: X)
10. INFORMATION IN BRACKETS [ ] IS FOR RECORD ONLY.
11. LP - WIRES TO BE LOOPED AND NOT CUT WHEN OPTIONAL WIRING OR COMPONENT IS NOT FURNISHED. (SHOP: X)
12. NO WIRES ON THIS DRAWING ARE TO BE RUN BY THE INSTALLER EXCEPT WIRING ON SHEETS WITH PREFIX D.

MOD 85503KY2 5-1-85

JHN | | | 1

IN FIG 1, 843782665 CA ASSY WAS SHOWN AS LC B. THRU OUT DWG CHG'S MADE TO AGREE WITH MANUFACTURED PRODUCT. FIG 2 ADDED.
5-3-85 CLASS "AD"

| | | | 2

IN FIGS A & B, (R4) RES AT (T3) TRNSF BETWEEN TERMS A1 & B1 ADDED.
IN FIG 1 ON SH B5, (C21) & (C22) CAPS ADDED. IN FIG 1 ON SH B2 CODE OF (CM2) CKT MODULE READ 208A.
CN 3822 NJ
3-18-86 CLASS A

| | | | 3

FIG C WAS PART OF FIG 1, FIG D & SHEET B8 ADDED. IN FIG 1, E OPT WAS NOT SO DES D OPT ADDED. ON SH B4 IN FIG 1 RES R5, R6, R7 & R8 ADDED. ON SH B7 IN FIG B (R4) RES 30,100 OHM READ 2, 16,000 OHM IN SERIES.
CN3822.3NJ
12-4-86 CLASS AC

| | | | 4

ON SH B4 IN FIG 1 RES (R5) READ (R6). ON SH B7 IN FIG B, 2 RES (R4) 16,000 OHM & (R10) 16,000 OHM IN SERIES READ (R4) 30,100 OHM.
CN3822.5NJ
12-4-86 CLASS AC

| | | | 5

FIG 3 ADDED, FIG HA WAS PART OF FIG 1, FIG HB & NOTE 56 ADDED.
ND085503NJ-8
5-22-87 CLASS B

| | UAL | | 6

IN FIGS C & D ON SHEET B8 AT (C1) TO (C12) 10GA WRG BET (C1) (L2) & (C3); (C4), (C5) & (C6); (C7), (C8) & (C9), (C10), (C11) & (C12) CAPS RMV'D. 10 GA WRG FROM (L1) & (L2) INDRS WERE SHOWN TO (C1), (C4) & (C9), (C12) CAPS RESP, PAINTED TERMS, AND 10GA WRG FROM NON PAINTED TERMS OF (C1), (C4) & (C9), (C12) CAPS WERE SHOWN TO THE HEATSINK OF THE (CR2) & (CR3) DIODES RESP. THIS CHG PROVIDES WRG FROM EACH OF THE ABOVE CAPS TO THE INDR & DIODE HEATSINK.
CN3834NJ 6-29-87 CLASS A

| | | | 7

IN FIG 1 SHEET B2 & FIG A & B SHEETS B6 & B7 ZI WRG WAS NOT SO DESIG ZJ WRG ADDED. ON SHEETS B6 & B7, FIGS A & B AT (K1) REL OLD REL CODE LINED OUT, NEW CODE ADDED, INST TERM LUGS TERMS L1, L2 & L3 WERE NOT SHOWN & AT TERM T1, T2 & T3 TERM LUGS WERE NOT SHOWN. IN FIG 1 ON SHEET B3, ZC APP & WRG ADDED. ON SHEET B4, ZD APP WAS NOT SO DESIG, ZE APP ADDED. AT (CM4) FIRING CKT, ZH WRG & CAP ASSY ADDED. IN FIGS C & D, SHEET B8 ZF APP WAS NOT SO DESIG, ZG ADDED & ON SHEET A1 IN NOTE 76 " CHGS PER LDI SD-83102-01 ISS 1D, 2A OR 2B" READ " CHGS PER LDI SD-83102-01 ISS 2B"
ND085503NJ9
[illegible]-29-[illegible] CLASS [illegible]

| | | | 8

SH.A1, TITLE BOX, DIST. CODE READ "4M99". SH.B2, AT FR. GRD TERM, REF "10GA STRANDED" READ "6 GA STRANDED"
(CONT'D)

(CONT'D)

SH.B3, AT CB1 CKT BKR, TERM 8 "S" READ "BR" TERM 9 "BR" READ "S". DESIG. "P/O WIRE SET ETC." & MATING TERMS ADDED. AT GRD BUS BAR, AT E13 TERM, TERM READ "997637103." SH.B6, LOC.48, TERMS Z1 & Z2 REF TO [S-BL] & [Y-BL] ADDED. CHG'D PER P.L. 8.1, 8.2 & 8.3.
4-11-89 CL M

| | | | 9

IN NOTE 52, T-82603-31 READ T-82603-30. IN FIG H1 CA ASSY H-285-226, L-5 READ H-285-224, L-45.
4-24-89 CL M

| | | | 10

ON SH.A1, ENGR NOTES 57 & 58 ADDED. ON SH.B6, FIG. A "ZN" OPT ADDED AT TRANS (T3). ON SH.B7, FIG. B "ZM" OPT ADDED AT TRANS (T3)
8-21-89 CL A

| | UAL | | 11

ON SH A1, ADDED ENGR NOTES 59, 60 & 61 IN FIG 1, SH B1, ZR APP WAS NOT SO DESIG, ZS APP ADDED. IN FIG 1, SH B4 AT (Q1), (Q2), (Q3) & (Q4) OLD SCR CODE LINED OUT NEW CODE ADDED. IN FIG A, SH B6 & FIG B, SH B7 AT LOC.37 & 44 CHG "C1X3" TO "X3C1". FIG C & D, SH B8 ZG OPTION, "AA6" LINED OUT AT C1-C12
DJ POINT ISSUE 11.1
PDI CODE: J85503C-1 #DJ2
3-28-91 CL. M

MAC	JCW RMH		12

ON SHA1, ADDED ENGR. NOTES 62 & 63 ON SHB1, AT LOC. 11, E APP WAS NOT SO DESIGNATED, D APP ADDED.
PDI CODE: J85503C-1 #DJ3
4-4-91 CL. AC

MAC	JCW RMH		13

CHANGE ON ISSUE	SPECIFY	DO NOT SPECIFY	THIS OPTION WAS FURNISHED	SEE NOTE	STD	A & M	NO	
	IF OFFICE RECORDS				RATING			
12	1	ZR OR ZS APP	ZR		ZS		ZR	
8	C OR D	ZF OR ZG APP	ZF		ZG		ZF	
	B	A OR B APP	B		A		B	
	A	ZA OR ZB APP	ZA		ZB		ZA	
	1	ZH WRG & APP	NONE		ZH			
		ZD OR ZE APP	ZD		ZE		ZD	
		ZC WRG & APP	NONE		ZC			
	A OR B	ZI OR ZJ WRG	ZI		ZJ		ZI	
5		FIG 3	NONE		3			
	1	FIG HA OR HB	HA		HA,HB			

TABLE B - RECORD OF FIGURES COMPONENTS AND WIRING CHANGE

LINE	SD-83102-01 FIG	SD-83102-01 OPT	T-83102-30 FIG	T-83102-30 WRG	T-83102-30 APP	REMARKS
		ZJ		ZJ		
		ZI		ZI		
20		ZH		ZH	ZH	
		ZG			ZG	
		ZF			ZF	
		ZE			ZE	
		ZD			ZD	
15		ZC		ZC	ZC	
		ZB			ZB	
		ZA			ZA	
		B			B	
		A			A	
10	5, (CAD 5)		5			
	-	ZL	HB			
	-	ZK	HA			
	3	Z	D			
	2	Y	C			
5	1		2			
	1		H1			
	3	Z	B			
	2	Y	A			
1	1		1			

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

FIG	OPT	SHEET
HA, HB		D2
H1		D1
C, D	D, E, ZF, ZG	B8
B	A, B, ZI, ZJ, ZM	B7
A	HA, HB, ZI, ZJ ZN	B6
3		B5
2	F, K, M, N V, W, R	B5
1	D, E	B1, B5
1	ZH & ZD, ZE	B4
1	ZC	B3
1	ZI, ZJ	B2
1		B1

TABLE D - SHEET LOC OF FIGURES & OPTIONS

T-83102-30
SHEET A1

K & E DQ 11

AT&T - PROPRIETARY
USE PURSUANT TO COMPANY INSTRUCTIONS

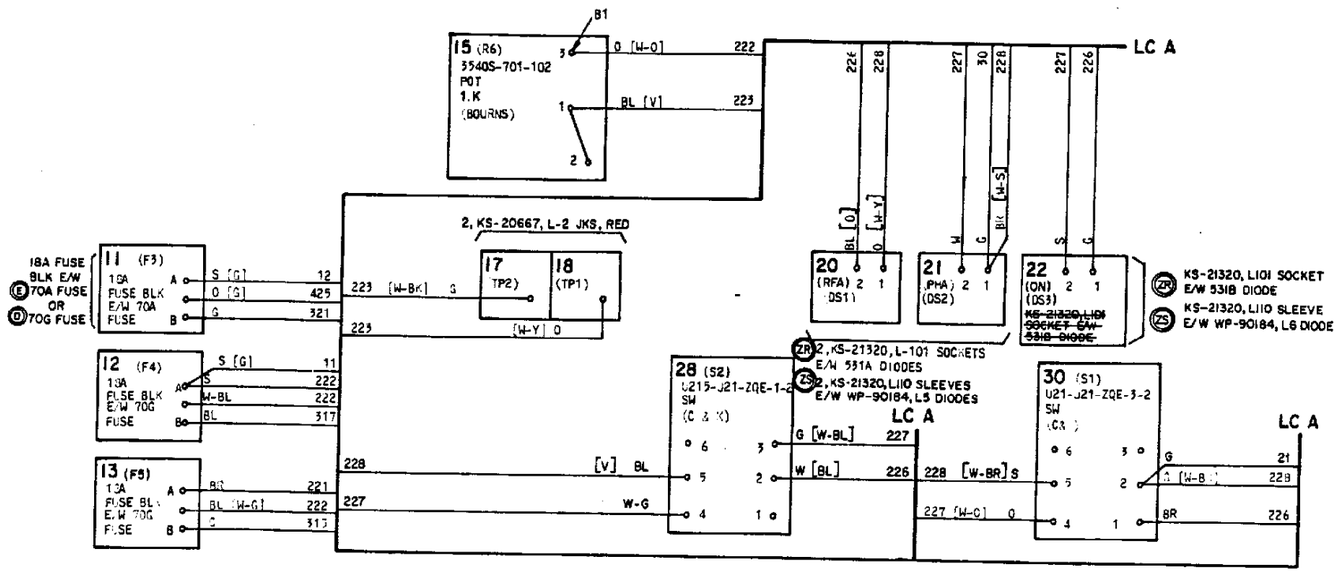
POWER SYSTEMS
RECTIFIER
208/240 OR 480 VOLT 60HZ INPUT
-40V, 400 AMPERE OUTPUT

STANDARD
11 SHEETS
DIST CODE 8M10
DWG SIZE [illegible] 65
ISSUE 13

AT&T | NJ | T-83102-30 | SHEET A1

FIG 1

-48V, 400 AMP RECT (CONT'D)



SEE PROPRIETARY NOTICE ON SHEET A1

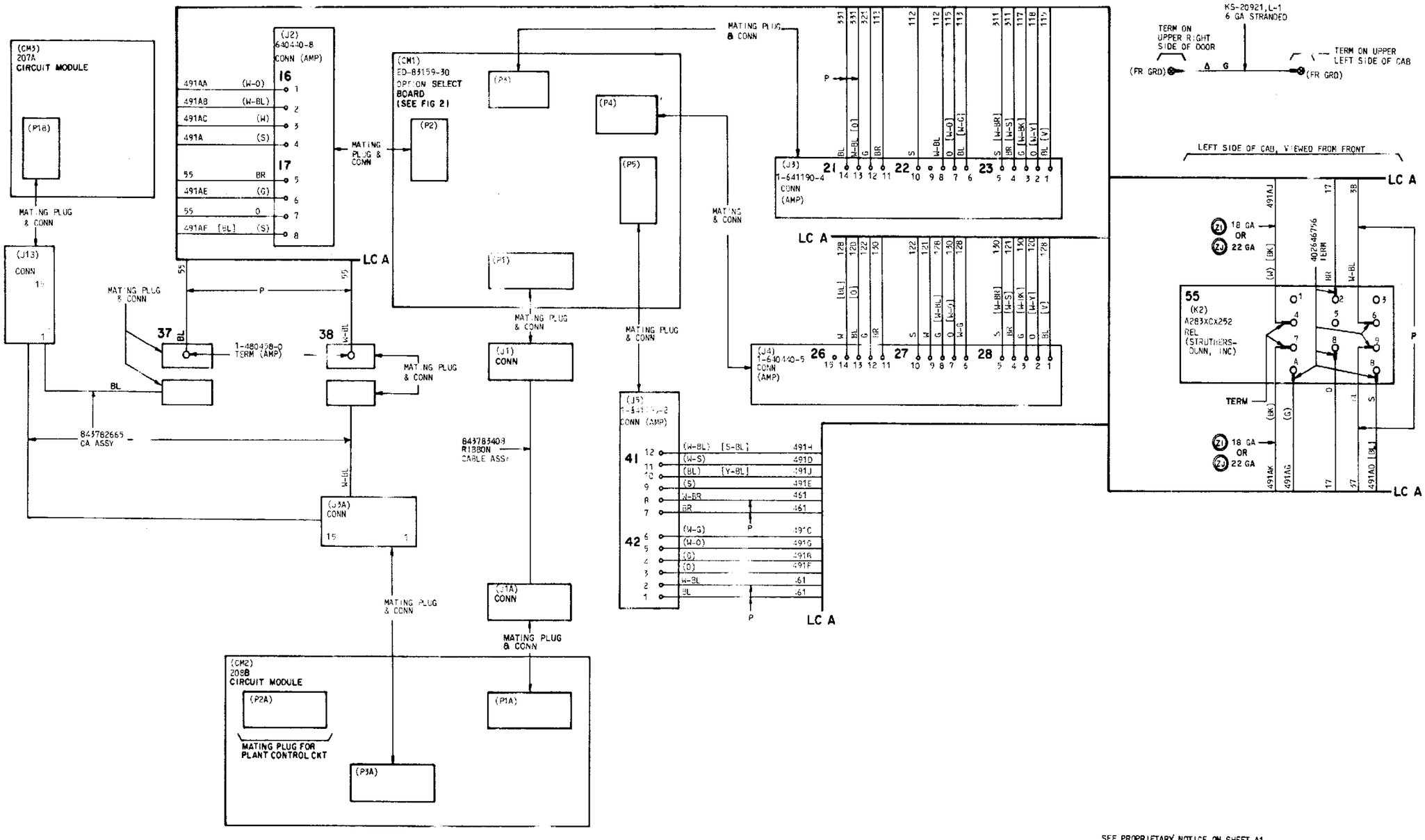
POWER SYSTEMS RECTIFIER 208/240 OR 480 VOLT 60 HZ INPUT -48V 400 AMPERE OUTPUT			
		DWG SIZE A5	ISSUE 13
AT&T	NJ	T-83102-30	SHEET 81

T-83102-30 SHEET 81

K & E DG 12111098765432 1

GN-97-2135 (5-7-84)

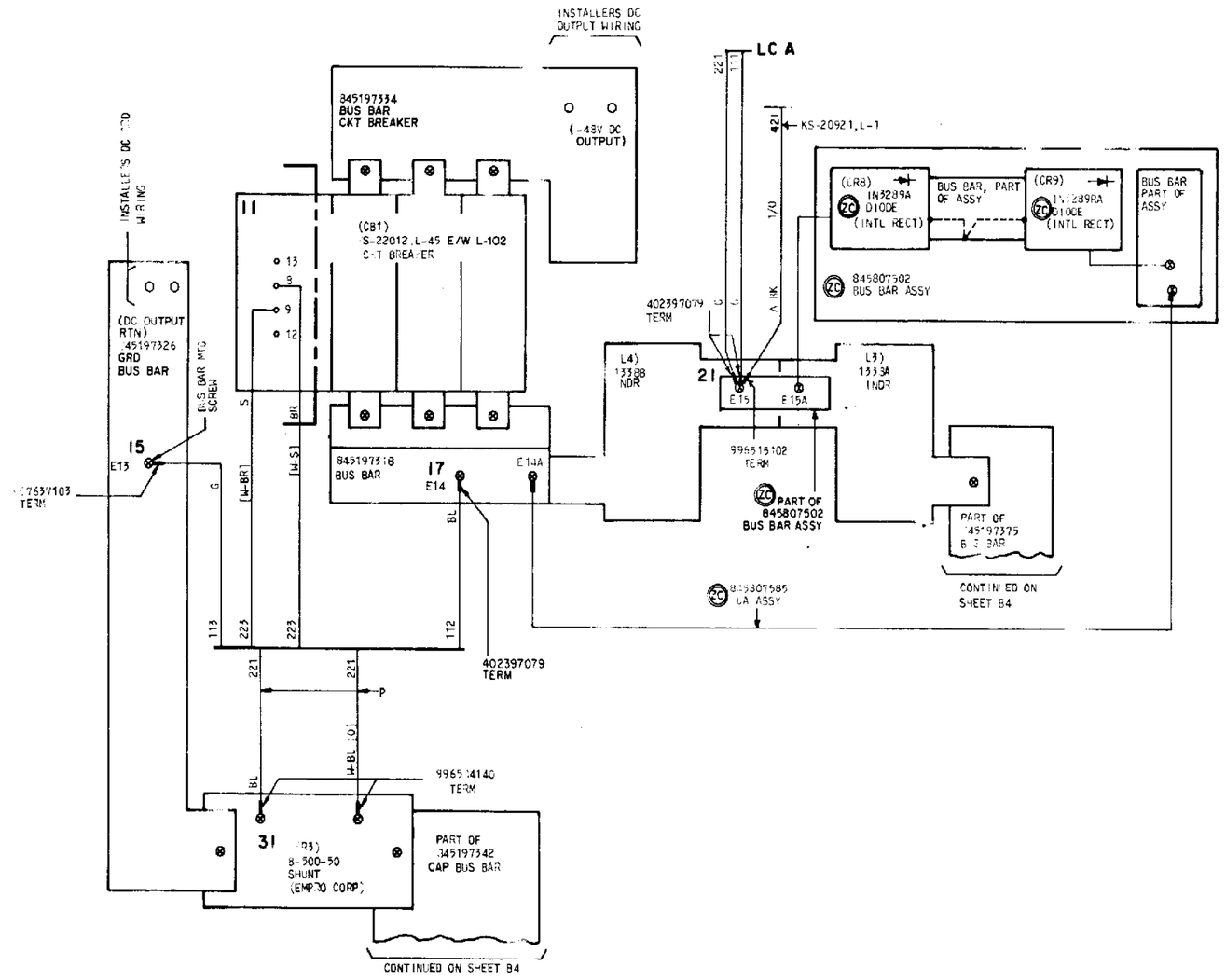
FIG 1 (CONT'D)



SEE PROPRIETARY NOTICE ON SHEET A1

POWER SYSTEMS RECTIFIER 208/240 OR 480 VOLT 60HZ INPUT -48V, 400 AMPERE OUTPUT		DWG SIZE 65	ISSUE 8
AT&T TECHNOLOGIES, INC.	NJ	T-83102-30	SHEET B2

FIG 1 CONT'D,



SEE PROPRIETARY NOTICE ON SHEET A1

POWER SYSTEMS RECTIFIER 208/240 OR 480 VOLT 60 HZ INPUT -48V, 400 AMPERE OUTPUT			
		DWG SIZE AS	ISSUE E
AT&T TECHNOLOGIES, INC.	NJ	T-83102-30	SHEET B3

FIG 1 (CONT'D)

KS-20921,L-1

Δ 1/0

321

CONTINUED ON SH B3

(R1) KS-14603,L-2AA RES 820Ω

(R2) KS-14603,L-2AA RES 820Ω

2, NON60 FUSES (BUSSMANN)

996515102 TERM

21 E16

11 (C13) CAP

31 (C17) CAP

(F1)

(F2)

845197359 BUS BAR

(R5) KS14603,L2AA RES 820Ω

(C14) CAP

996606950 TERM

TERM

(CR7) 8130 DIODE

(CR6) 8130 DIODE

(C18) CAP

(R9) KS14603,L2AA RES 820Ω

996606950 TERM

E17

E19

Δ

25 E18

4C1240197 TERM

(C15) CAP

(C19) CAP

2 GA, KS-20921,L-1

2 GA, KS-20921,L-1

(R7) KS14603,L2AA RES 820Ω

(C16) CAP

995529467 TERM

(C20) CAP

(R8) KS14603,L2AA RES 820Ω

35 E20

37 E21

845197342 CAP BUS BAR

8,3195GH223T075AMA1 23000 MF OR 8,3186GH233U075AMA1 23400 MF CAPS (MEPCO/ELECTRA)

PT

BK

6 GA

G

Y10

55

PT

6 GA

WIRE TO UNDER SIDE OF BUS BAR

W14

57

111

LC A

61 (CM4) ED-03105-30,G-1 FIRING CKT

55 P1 W E9

55 R E3

50 P1 W E10

50 R E4

ZH 845805668 CAP ASSY

(C25) CAP

(C26) CAP

E2 E1 E8 E7

E11 W P1 57

E6 R 57

E12 W 52

E5 3 52

P1

403351679 TERM

W-UR UR W W BL W-BL

P P

241 241 61 61 242 242

845197466 HEATSINKS

845197459 HEATSINK

845197475 BUS BAR

PART OF (L3) INDR

845197466 HEATSINKS

91M

91L

PT

91P

91N

41

42

(CR1) A390C OR A390N DIODE (GE)

(CR2) A390C OR A390N DIODE (GE)

BUS BAR

(CR4) A390C OR A390N DIODE (GE)

(CR3) A390C OR A390N DIODE (GE)

46

845197459 HEATSINK

47

PT

91T

91S

91V

91U

10 GA

540A1 (0)

540A2 (0)

540A3 (0)

540A4 (0)

540A5 (0)

540A6 (0)

403665755 TERM

10 GA

(0) 540A12

(0) 540A11

(0) 540A10

(0) 540A9

(0) 540A8

(0) 540A7

LC A

LC A

541

Δ BK

6 GA

996584181 TERM

845197474 HEATSINK

GATE

50 (Q1)

72RIA100 SCR (1R)

W 61

R 61

P1

403665755 TERM

10 GA

845197474 HEATSINK

GATE

52 (Q3)

72RIA100 SCR (1R)

W 61

R 61

P1

403665755 TERM

10 GA

403665755 TERM

845197474 HEATSINK

GATE

55 (Q2)

72RIA100 SCR (1R)

W 61

R 61

P1

6 GA

35

Δ BK

996584161 TERM

845197474 HEATSINK

GATE

57 (Q4)

72RIA100 SCR (1R)

W 61

R 61

P1

6 GA

BK 37

996584181 TERM

541 41 41 42 42 55 551 46 46 47 47 37

91 FROM FIG A OR B

LC A

216 242 242 241 241 242 242 241 241 216 216 216 295 217 217 295 295 295

A B C D E F G H J AA AB AC AD AE AF AG AJ AK

K L M N P Q R S T U V W

SEE PROPRIETARY NOTICE ON SHEET A1

POWER SYSTEMS
RECTIFIER
208 /240 OR 480 VOLT 60 HZ INPUT
-48V, 400 AMPERE OUTPUT

DWG SIZE 65

ISSUE 12

AT&T | NJ | T-83102-30 | SHEET 84

T-83102-30 SHT 84

GN-97-2135 (S-7-94)

FIG 1 (CONT'D)

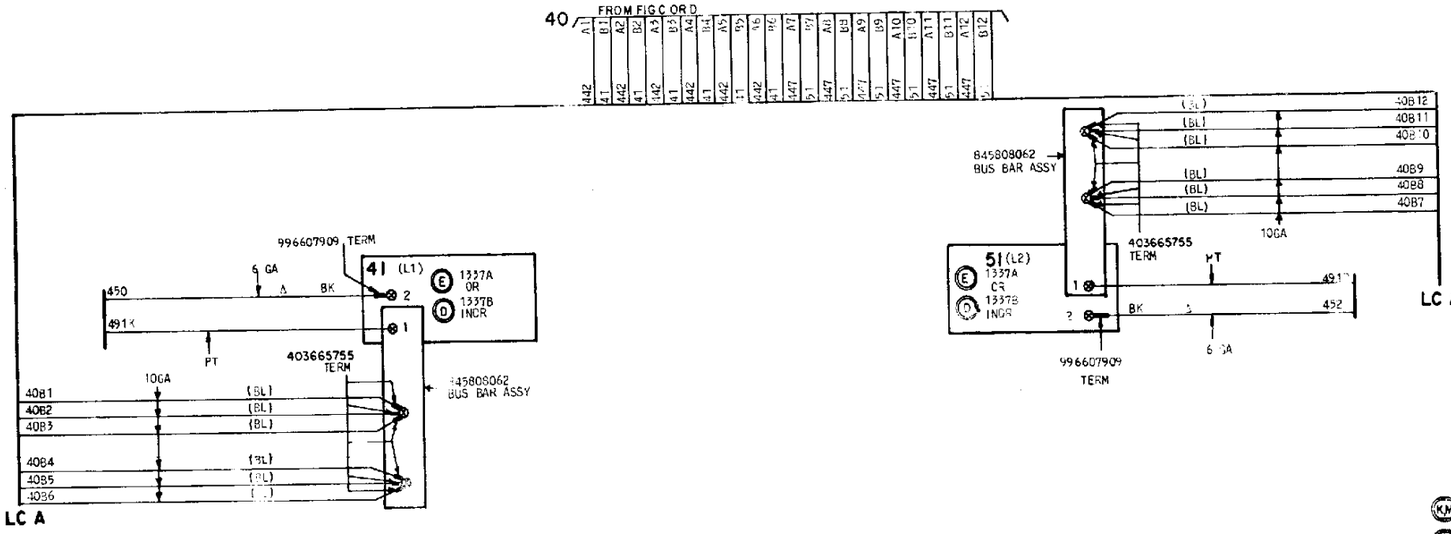


FIG 3
ED-83115-50, GRP 1
EM CELL CHARGE SW ASSY

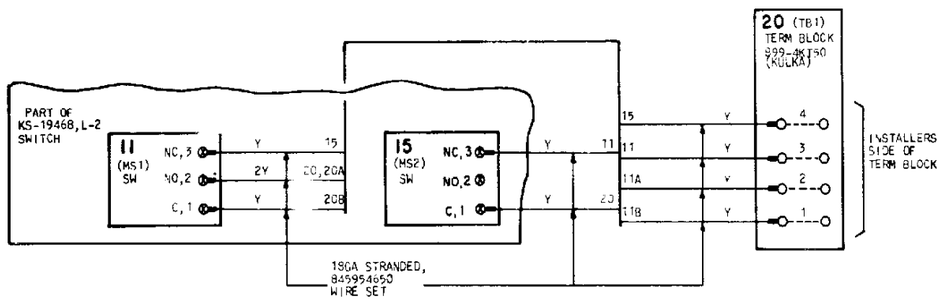
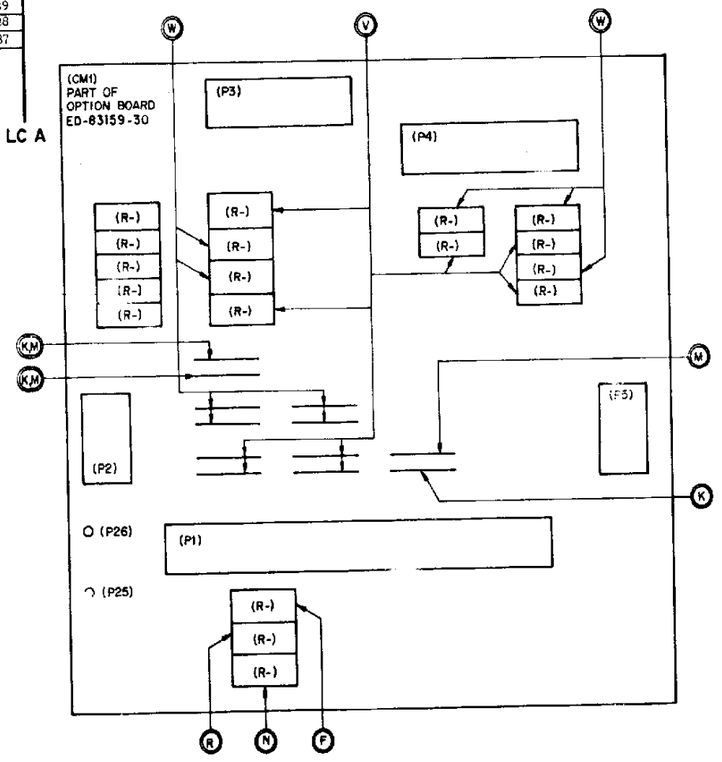


FIG 2
OPTION BD



SEE PROPRIETARY NOTICE ON SHEET A1

POWER SYSTEMS RECTIFIER 208/240 OR 480 VOLT 60HZ INPUT -48V, 400 AMPERE OUTPUT		DWG SIZE 6S	ISSUE 7
AT&T TECHNOLOGIES, INC.	NJ	T-83102-30	SHEET B5

FIG A

208-240V AC INPUT

14 TO FIG 1

LC A

(T3)
2A ~~3245A~~
2B 3245C
2N 3245F TRNSF

18

19

HA

HB

(R4)
KS-20289, L-2A
RES
16,000 OHMS

14AA W-O
18, 18A
14AC W
18
14A S
14AB W-BL
18A

22GA OR 18 GA
18 GA OR 22GA

LC A

997623723 TERM

25
(K1)
~~2250HI930ABA~~
2250HI930ABA-15
REL
(GOULD)

TERMS FOR INSTALLERS AC WIRING

996586467 TERM

996607941 TERM

18GA OR 22GA

2 GA KS-20921, L-1

18 GA OR 22 GA

LC A

(T1)
3238A
TRNSF

37

(T2)
3238B
TRNSF

44

996510095 TERM

35 (TB2) TB

38 (TB1) TB

45 (TB1) TB

48 (TB2) TB

996606950 TERM

SEE PROPRIETARY NOTICE ON SHEET A1

POWER SYSTEMS
RECTIFIER
208/240 OR 480 VOLT 60HZ INPUT
-48V, 400 AMPERE OUTPUT

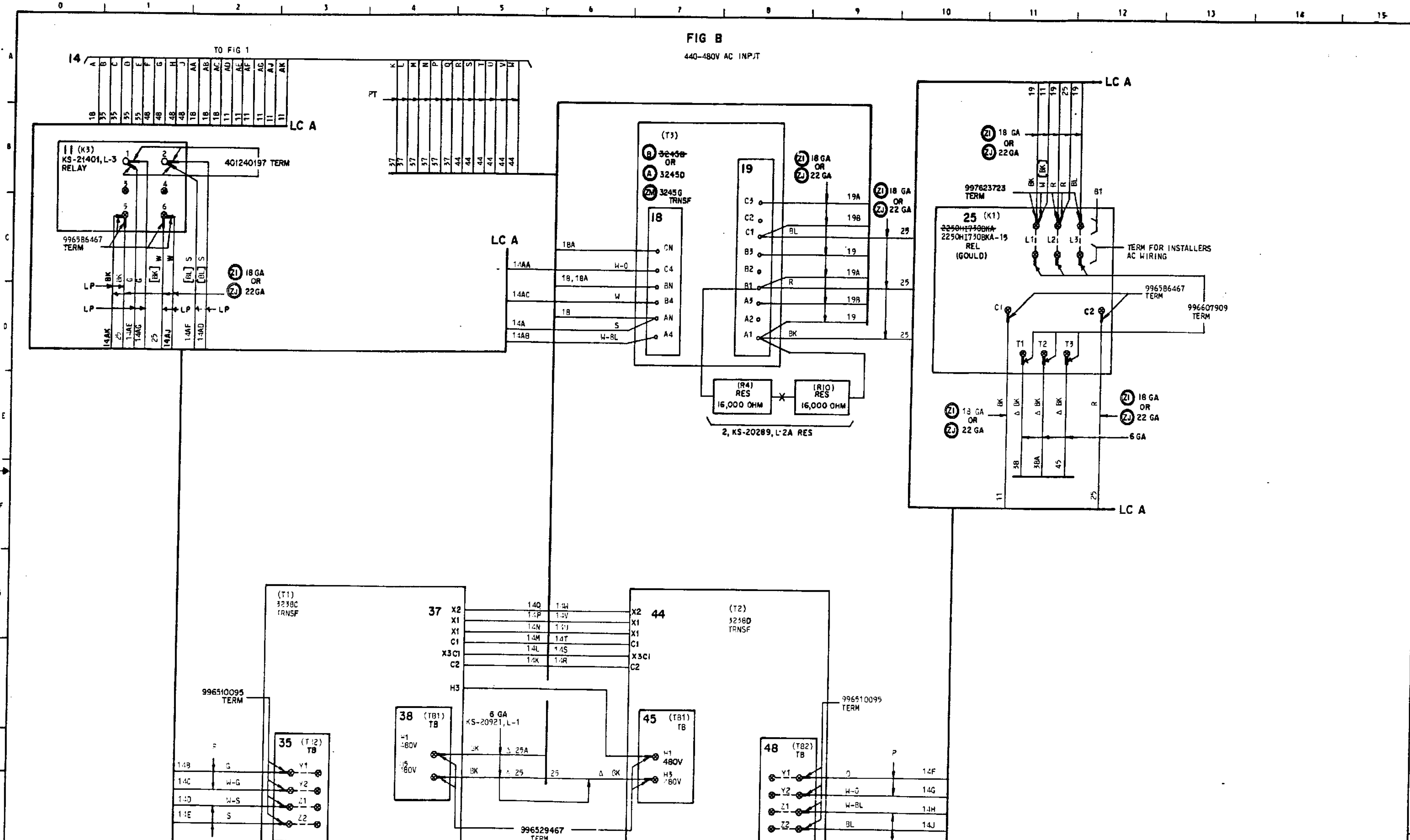
DWG SIZE B5

ISSUE 12

AT&T | NJ | T-83102-30 | SHEET B6

T-83102-30 SHEET B6

ON-82-2135 (5-7-84)



SEE PROPRIETARY NOTICE ON SHEET A1

POWER SYSTEMS
RECTIFIER
208/240 OR 480 VOLT 60 HZ INPUT
-48V, 400 AMPERE OUTPUT

AT&T	NJ	T-83102-30	DWG SIZE 6S / ISSUE 12 / SHEET B7

T-83102-30 SHEET B7

FIG C
208-240V AC INPUT

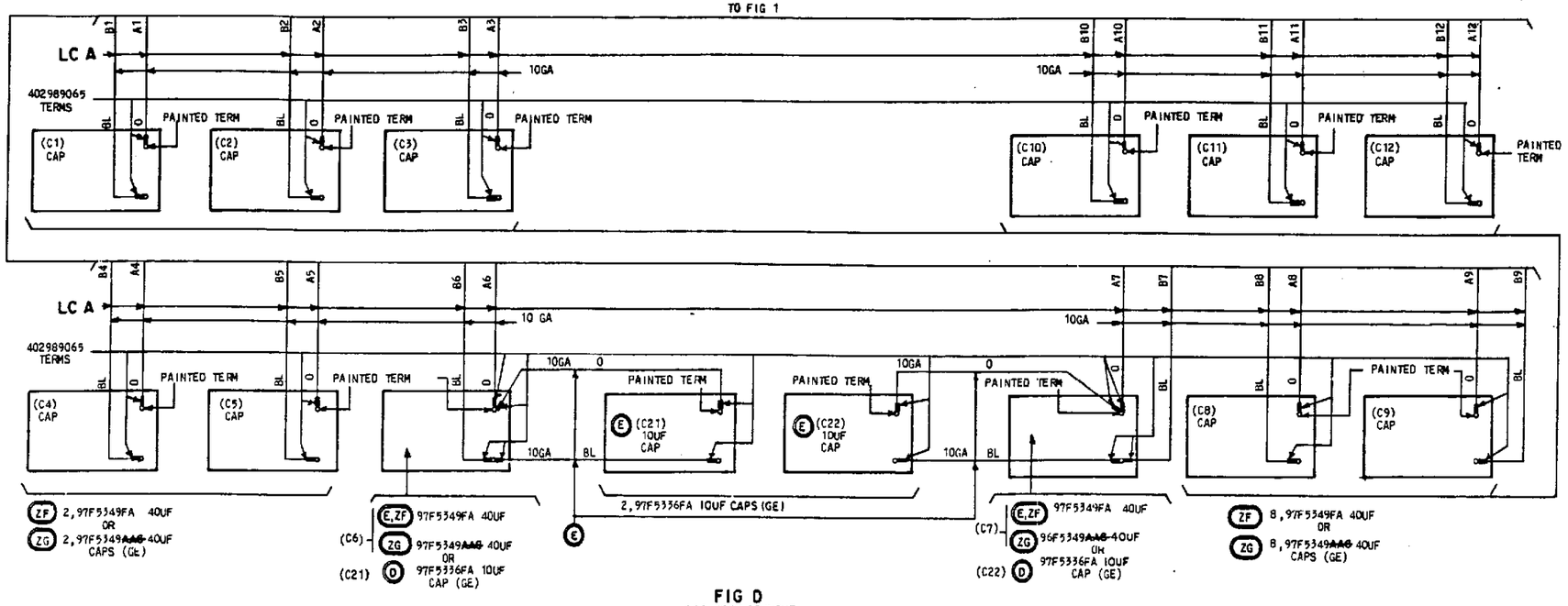
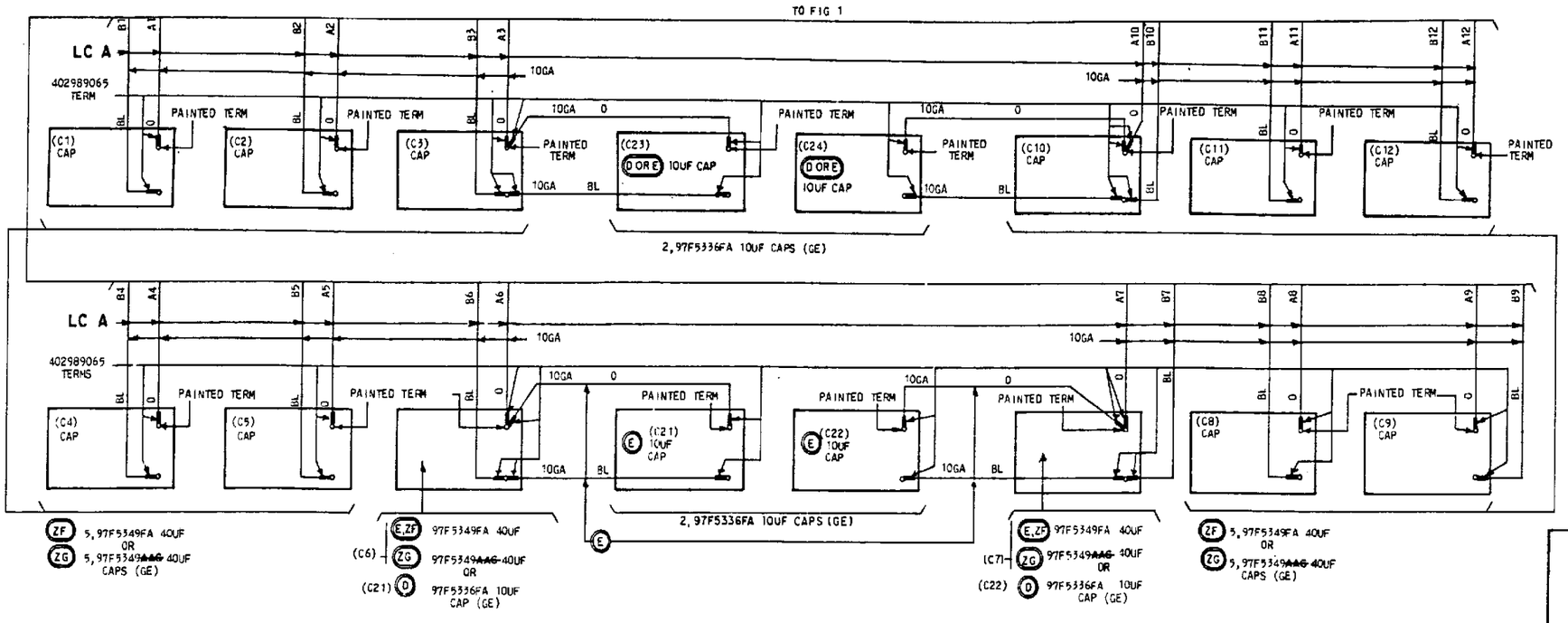


FIG D
440-480V AC INPUT



T-83102-30 SHEET B8

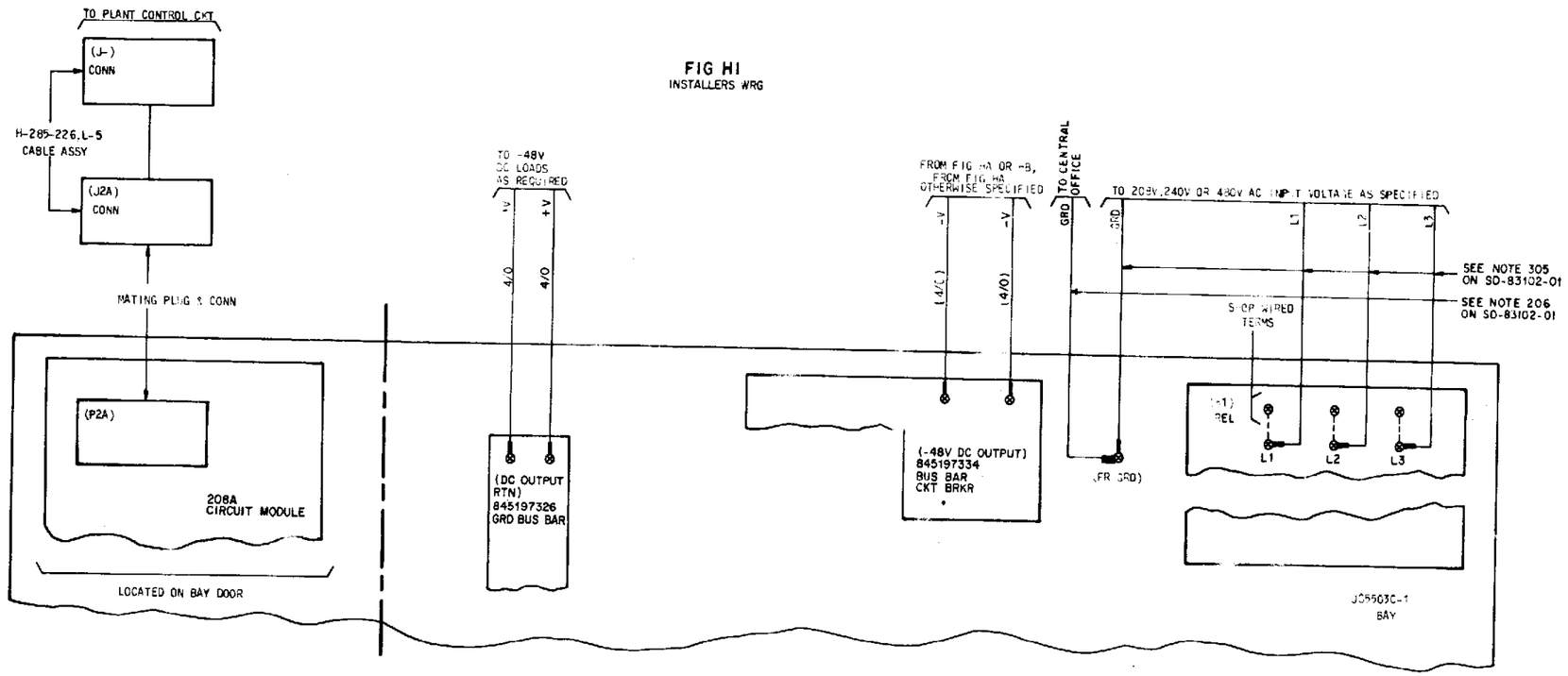
POWER SYSTEMS
RECTIFIER
208/240 OR 480 VOLT 60HZ INPUT
-48V, 400 AMPERE OUTPUT

DWG SIZE 6S | ISSUE 12

AT&T | T-83102-30 | SHEET B8

CN-97-2135 (4-84)
PRINTED IN U.S.A.

FIG H1
INSTALLERS WRG



SEE PROPRIETARY NOTICE ON SHEET A1

POWER SYSTEMS RECTIFIER 208/240 OR 480 VOLT 60HZ INPUT -48V, 400 AMPERE OUTPUT			
		DWG SIZE 6S	ISSUE 10
AT&T TECHNOLOGIES, INC.	NJ	T-83102-30	SHEET D1

FIG HA

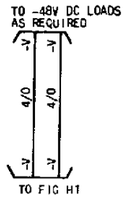
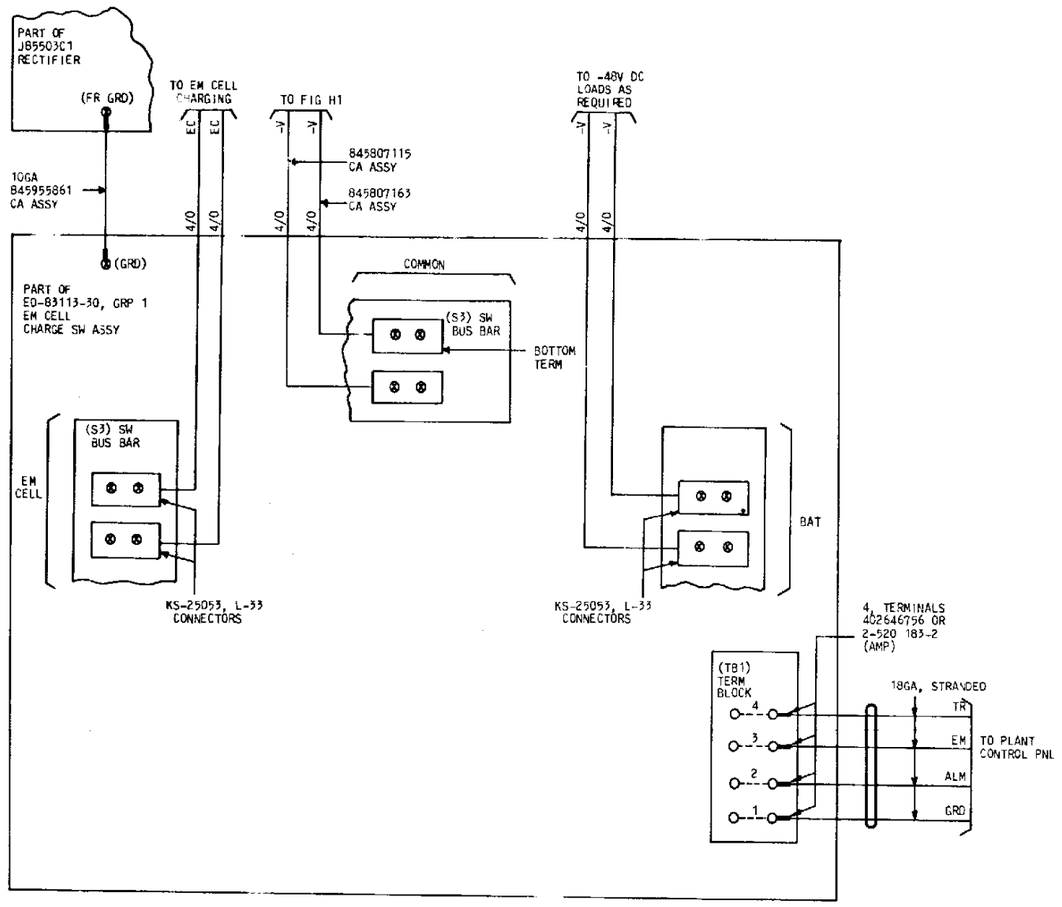


FIG HB



POWER SYSTEMS RECTIFIER 208/240 OR 480 VOLT 60HZ INPUT -48V, 400 AMPERE OUTPUT	DWG SIZE D5	ISSUE 6
AT&T TECHNOLOGIES, INC.	T-83102-30	SHEET D2