

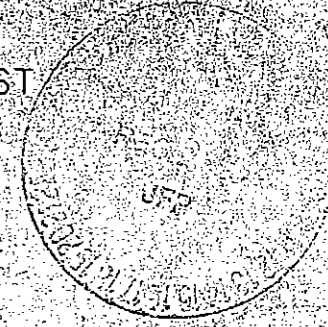
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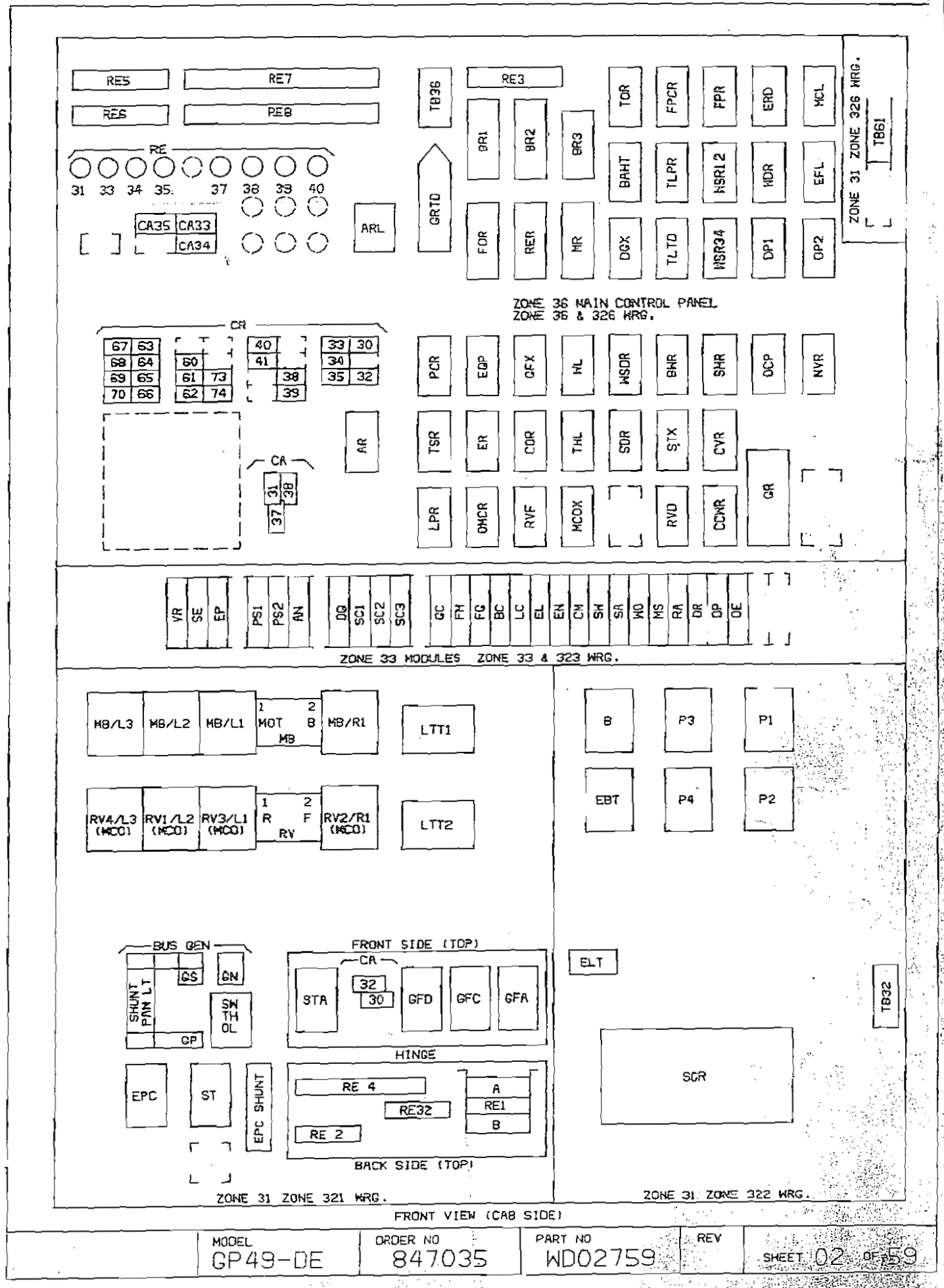
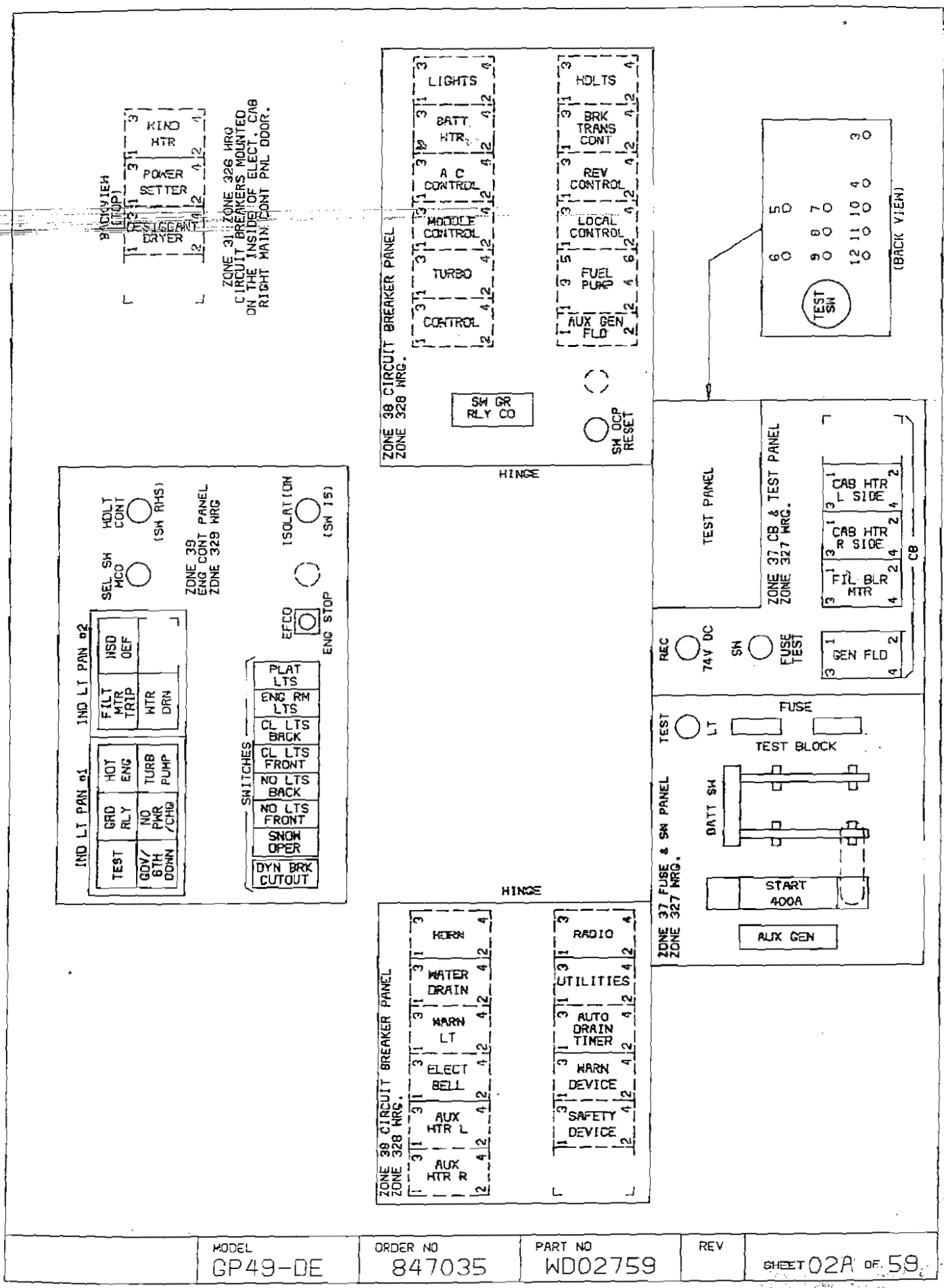
FOR LOCO WIRING RUNNING LIST
SEE: WD02760

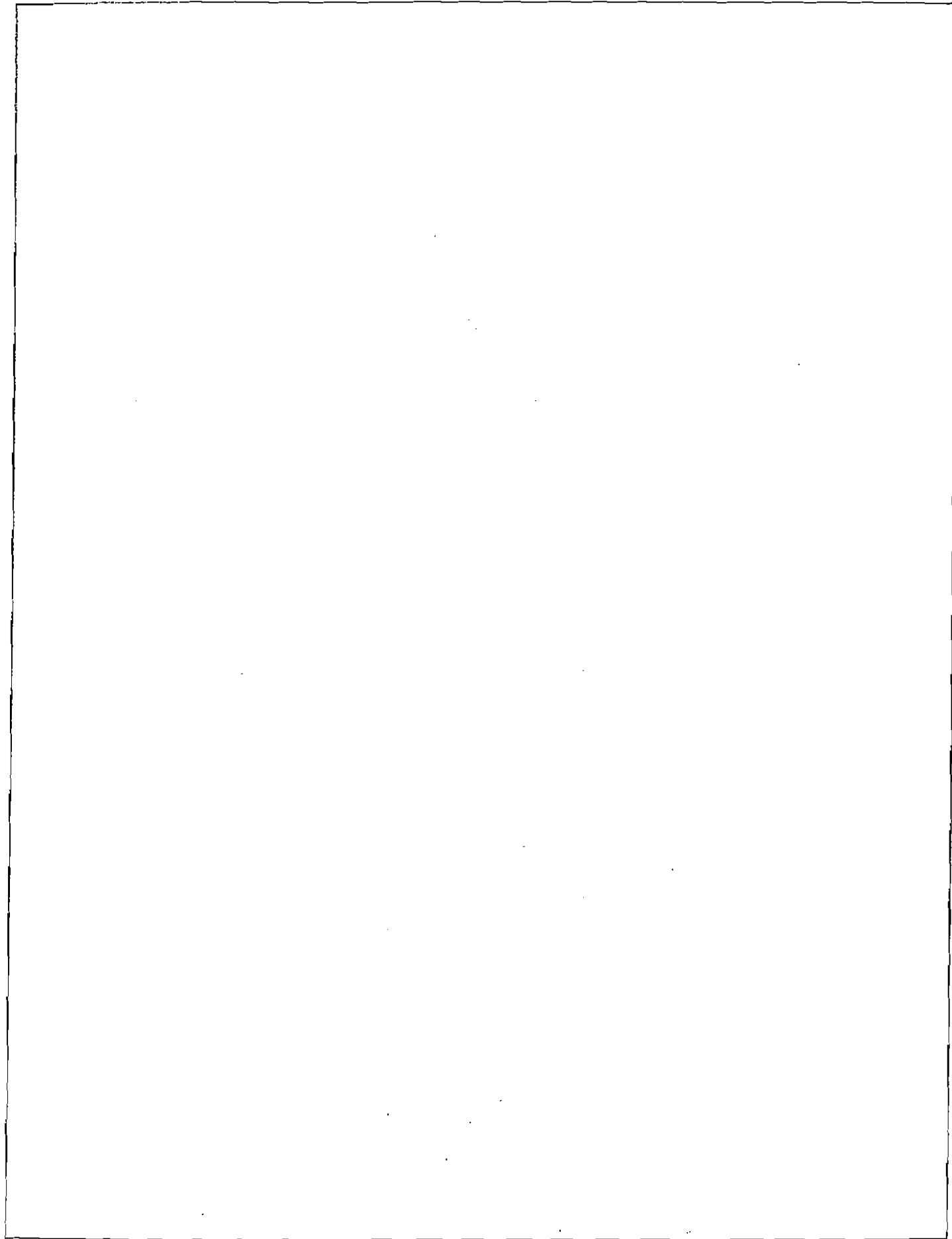
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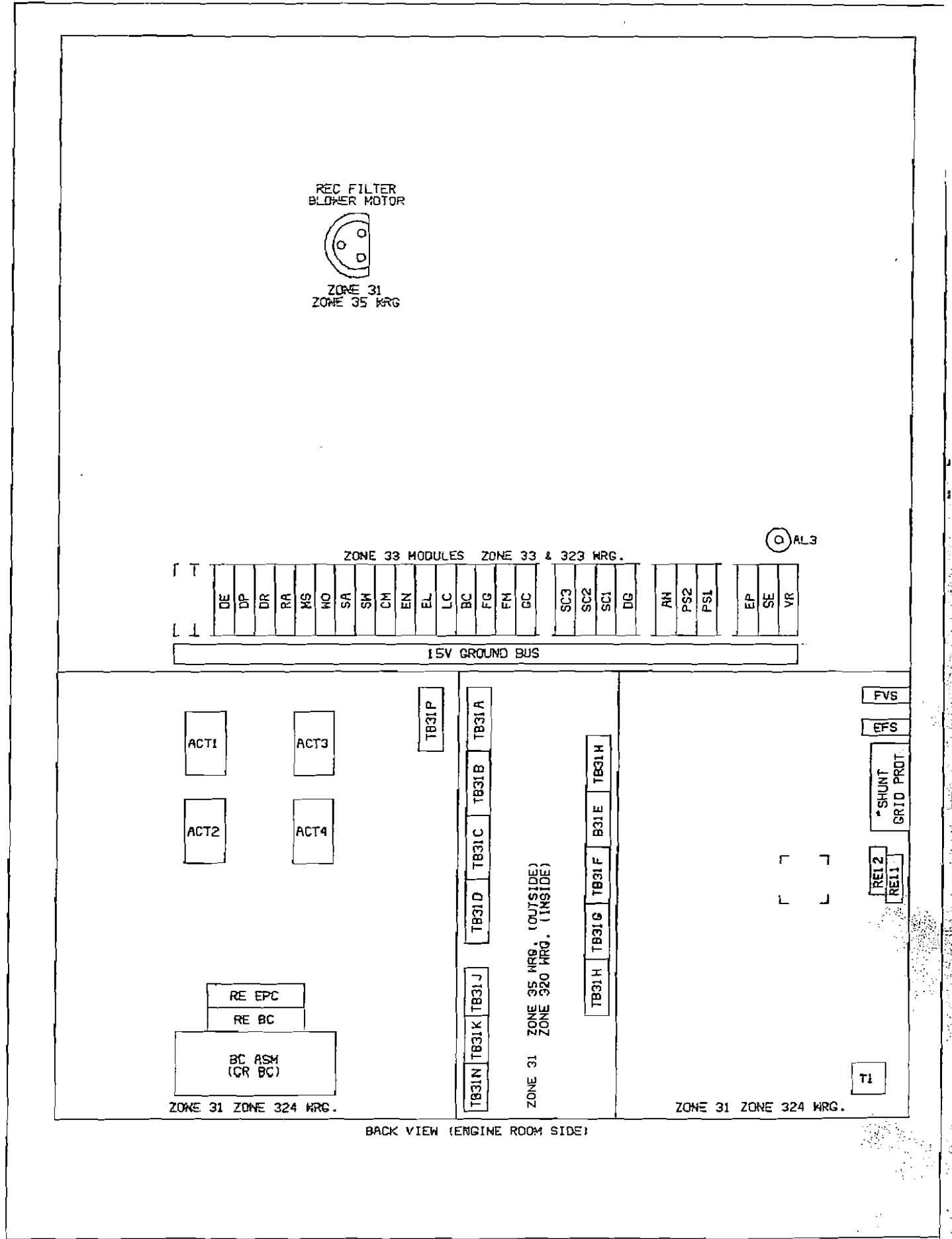
APERTURE CARD ONLY

DR S. ARMENIA	DATE 28JAG5	ELECTRO-MOTIVE DIVISION GENERAL MOTORS CORPORATION LA GRANGE, ILLINOIS, USA	GM
CK D.B. NOWICKI	DATE 08FEB5		
SUP <i>[Signature]</i>	DATE 13FEB85	LOCO SCHEM & COND DIA ALASKA R.R.	
M. ENG <i>P.H.</i>	DATE 13FEB85	FIRST USED ON 847035	PART NO
ENG <i>P.A.V.</i>	DATE 13FEB85	GP49-DE	WD02759 01 OF 59



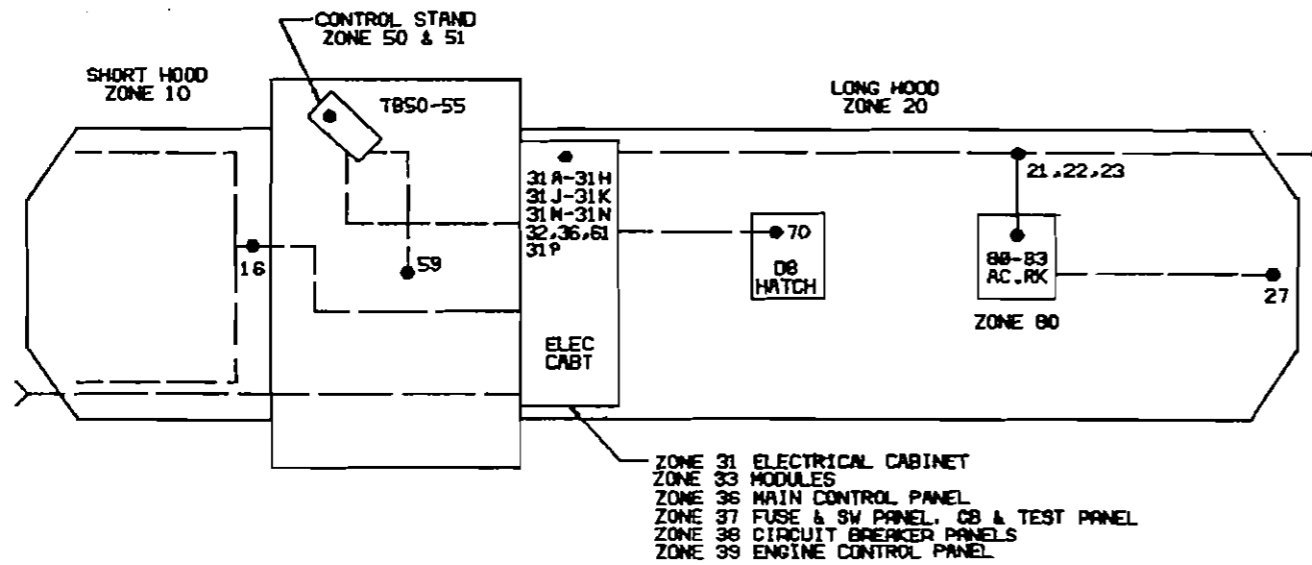


MODEL	ORDER NO	PART NO	REV	SHEET	OF
	847035	WD02759			



MODEL	ORDER NO	PART NO	REV	SHEET	OF
GP49-DE	847035	WD02759		03	59

GENERAL ARRANGEMENT



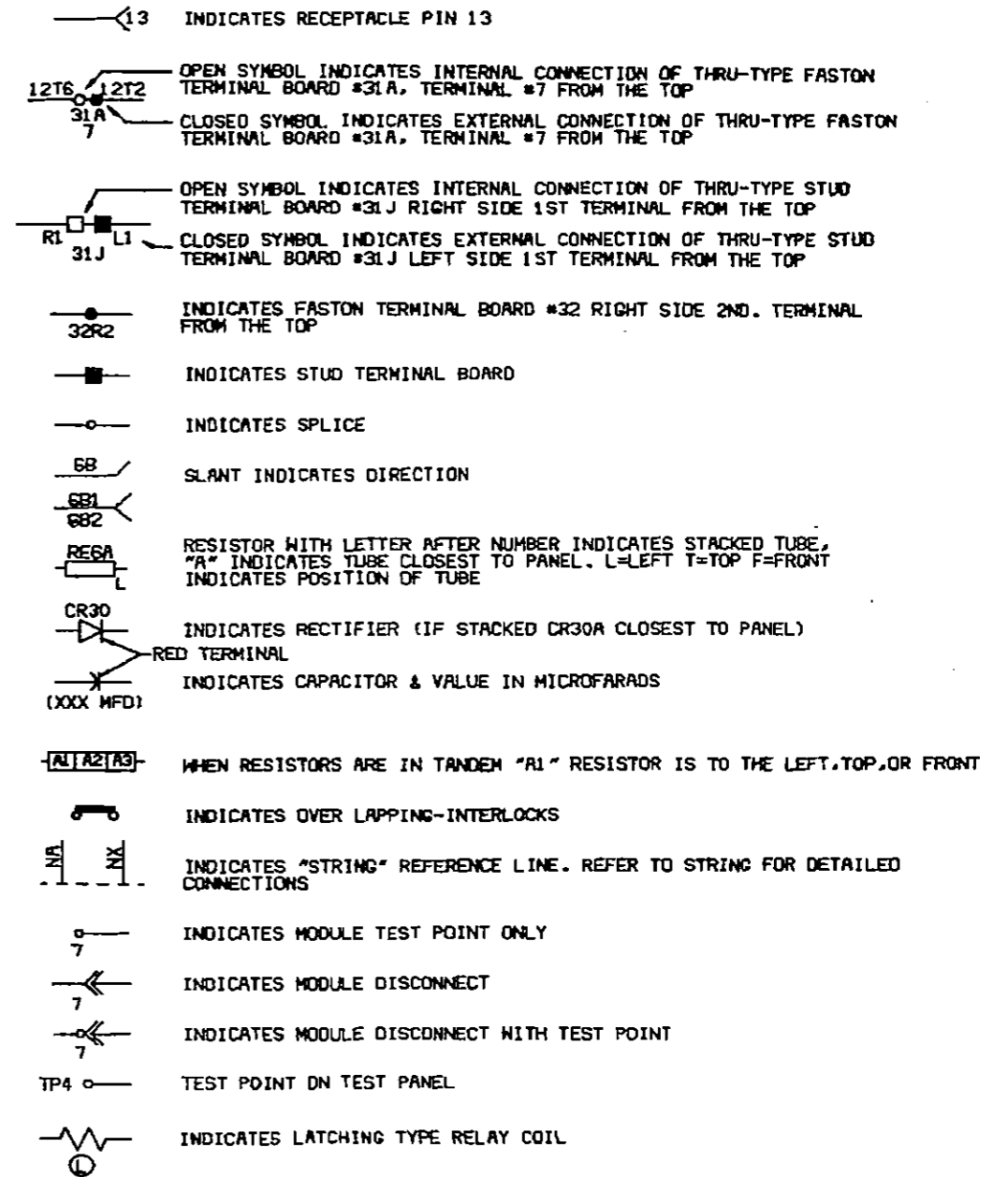
WIRING NOMENCLATURE

THIS DIAGRAM SHOWS THE GENERAL LOCATION OF THE ELECTRICAL EQUIPMENT, CONDUIT WIRE MARKERS, RESISTOR & RECTIFIER MOUNTING INFORMATION & THE EXACT STUD LOCATION OF WIRES CONNECTED TO TERMINAL BOARDS.

WIRE TAGS IN PARENTHESIS ARE NOT TAGGED.

TRAINLINE WIRES ARE DESIGNATED BY A NUMBER FOLLOWED BY THE LETTER "T", USING THE RECEPTACLE PIN AS THE NUMBER 1=1T, 2=2T, 3=3T ETC.

THE ASSOCIATE CIRCUITS OF THE TRAINLINE WIRES ALSO USE THE SAME NUMBERS 13T, 13A, 13B, 13C, ETC.



EQUIPMENT LOCATOR CHARTS

RELAYS & CONTACTORS

	INTERLOCKS					ITEM	COIL	MAIN	ZONE
	3	3	2	1					
N.O	3		3	2	1	FPR	32B		36
N.C			26F	2	1				
	X		26F						

"X" INDICATES NOT AVAILABLE
 USED INTERLOCKS
 AVAILABLE
 LOCATION ON LOCO. MAIN CONTACTS OR THRU CABLE DEVICE. OPERATING OR RECALIB COILS.

NO	CA	ZONE	CR				ZONE	RE			ZONE
			A	B	C	D		A	B	C	
32	21A	36									
33			43A	X	X	X	36	14E	15E	X	36

NUMBER INDICATES SHEET LOCATION WITHIN BOOK & LOCATOR NUMBER ON SHEET. LETTER USED ONLY IF STACKED ASSEMBLY. "X" INDICATES ELEMENT AVAILABLE.

NO	CA	Z	CR				Z	RE			Z	RH	Z	MISC			Z	MISC			Z
			A	B	C	D		A	B	C				ITEM	LOC	ITEM		LOC	ITEM	LOC	
1							23B	23B		31			ALT	30D	20	MV81B	30F	20			
2							23C			31				23D	20	MV824	30F	20			
3							11C	11C	11C	36						MV890	30F	20			
4							30E			31			BC ASM	27B	31		30G	20			
5							27B	27D		36				28F							
6							11D	12D		36				30D							
7							12B	12E		36			ACT1	11E	31	PCS	44A	10			
8							11C	11E		36				14B		46B					
9							27G	27G		10			ACT2	11C	31						
10							27C	27D		10				14B							
11							25F			31			ACT3	12D	31	RE DB	46E	50			
12							25F			31				14B							
13													ACT4	12E	31	RE GRID	12C	20			
14														14B		L1	120	20			
15							27G			10						RE GRID	120	20			
16													ARL	41G	36	L2	12E	20			
17													ATS	34C	20	RE GRID	12C	20			
18																R1	12D	20			
19																RE GRID	12D	20			
20							27C	27B		20						R2	12E	20			
21													CCS	42B	20	RE EPC	25C	31			
22													EBT	30F	31						
23													EFS	26G	31	SCR	23D	31			
24													ESS	43C	10	SM1	25E	20			
25													ETS	36D	20	SM2	25E	20			
26													FVS	37E	31						
27																					
28																					
29																					
30	35A	31	26E			36							ELT	23B	31						
31	35D	36					35D			36				37F							
32	23A	31	35F			36	23A			31											
33	35E	36	45D			36	35E			36											
34	44C	36	41C			36	44C			36											
35	37G	36	34B			36	37G			36											
36																					
37	35F	36					35F			36											
38	35G	36	.11F			36	35G			36											
39			11F			36	11C			36											
40			11F			36	26F			36											
41			11F			36															
42																					
43																					
44																					
45																					
46																					
50																					
51							32D			50	46E	50									
52	46C	51									32D	51									
53																					
54							32F			51											
55							32G			51											
56																					
59.1							32D	32F		51											
59.2							32E	32E		51											
59.3							32E	32E		51											
60			45A			36															
61			45C			36															
62			45G			36															
63			44G			36															
64			45E			36															
65			35G			36															
66			45D			36															
67			44G			36															
68			46G			36															
69			46G			36															
70			48F			36															
73			41B			36															
74			41B			36															
80	36C	80					36C			80											
81	36C	80					36B			80											
82	36B	80																			
83	36B	80																			

THS

LOC	SMS	POSITION																
		STOP	IDLE	1	2	3	4	5	6	7	8							
44B	1 THRU 8	A-B																
46B		A-B																
44A	IDLE	C-D																
45C	STOP 5,6	A-B																
45B		C-D																
45C	3 THRU 8	C-D																
45D		A-B																
45D	5 THRU 8	C-D																
45D	2,4,6,8	C-D																

BKS

LOC	SMS	POSITION		
		OFF	BRAKE SET-UP	MIN-MAX BRAKE
46C	BG	A-B		
46B		C-D		
46F	B	A-B		
46F		C-D		

RHS

LOC	SMS	POS			
		F	D	R	R
46C	R	A-B			
46B		C-D			
46F	F	A-B			
46F		C-D			

FP/ES

LOC	SM	POSITION		
		OFF	PRIME	ST
28F	1-2			
26E	3-4			
28G	5-6			
26E	7-8			
34B	9-10			
24E	11-12			

IS

LOC	SW	POSITION	
		ST	RUN
26E	A-B		
45B	C-D		
44B	E-F		
35C	G-H		
41B	J-K		
44B	L-M		
26F	N-P		
35F	Q-R		
35A	S-T		
44F	U-V		

GOVERNOR

LOC	GOVERNOR	
	SOL	SMS
45E	AV	
45D	BV	
45D	CV	
45B	DV	
45B	DRS	
37D	LOS	

RHS (REMOTE HEADLIGHT SW)

POS	FUNCTION	LDC 27C CONNECTION			
		5-1	10-6	15-11	20-16
1	SINGLE UNIT OR INTERMEDIATE UNIT				
2	CONTROLLING WITH UNIT COUPLED AT HOOD END				
3	CONTROLLING WITH UNIT COUPLED AT CAB END				
4	CONTROLLED FROM ANOTHER UNIT COUPLED AT EITHER END				

SW HDLT BK & FR

LOC	LOC	SMS	POSITION			
			OFF	DIN	MED	BRT
27B	27C	L-1				
		L-2				
		L-3				

TEST SW

LOC	TERM	POSITION			
		CRT CHECK	NORMAL	LOAD TEST #1	LOAD TEST #2
44C	1-2				
	1-3				
	1-4				
	1-5				
	6-7				
35B	6-8				
	6-9				
	6-10				
35D	11-12				
	11-13				
	11-14				
	11-15				
	16-17				
39G	16-18				
	16-19				
	16-20				
	21-22				
23D	21-23				
	21-24				
	21-25				
23E	26-27				
	26-28				
	26-29				
	26-30				

SEL SW MCO

LOC	SECTIONS	TERMS	POSITION				
			1	2	N OFF	3	4
37A	1	H-D					
37B	2	H-D					
35B	3	H-D					
35E	4	H-B					
		H-C					
		H-D					
		H-E					
		H-F					
44D	5	E-D					
		E-F					
		F-G					
		C-D					
		C-B					
35F	AUX	1-2	AUX INTERLOCKS 1-2 & 3-4 CLOSE WHEN HANDLE IS DEPRESSED & REMAIN CLOSED BETWEEN POSITIONS.				
35F	SOLENOID	COIL					

INTERLOCKS				ITEM	COIL	MAIN	ZONE
		2	1	AR	45G		36
			45E				
		2	1	B	35C	12D	31
			X				
		GH	EF				
		45B	35C				
		CD	AB	BAHT	30A		36
		35A					
		2	1				
		30A	30A	BR1 BR2 SEE LOC A			
		2	1				
		X	X	BR3	46G		36
		3	2				
		17F	17E				
		3	2				
		17F	17E	BMR	46G		36
		2	1				
			46G	CCMR	34D		36
		2	1				
		2	1	CDR	35C		36
		2	1				
		3	2				
		35E	35E	CVR	45C		36
		3	2				
		X	X	CCR	42A		80
		2	1				
		45G	45E				
		2	1				
		X	X	CRL	42B		80
		2	1				
		42A	42A	DC1	39C	12E	20
		2	1				
		X	X	DC2	39C	12D	20
		GH	EF				
		39A	AB	DGX	38C		36
		GH	EF				
		39A	AB	DP1	39B		36
		2	1				
		2	1	DP2	39C		36
		2	1				
		X	X				

INTERLOCKS				ITEM	COIL	MAIN	ZONE
		2	1	DRL	24E		80
		24D	24E				
		2	1	EFL	28G		36
			X				
		3	2				
		28G	37C				
		3	2	EQP	37G		36
		X	X				
		2	1	ER	41B		36
		37D	44C				
		2	1	EPC	25D	25C	31
		X	X				
		3	2				
		34D	45F				
		3	2	ERD	47C		36
		X	X				
		4	3	FCF1A	36F	24B	80
		45E	45D				
		45C	45B				
		LM	EF				
		JK	GH	FCF1B	36F	24B	80
		36D	36A				
		36A	36A	FCF2A	36E	24A	80
		LM	EF				
		JK	GH	FCF2B	36E	24A	80
		36D	36A				
		36A	36A	FCS1	36D	24B	80
		LM	EF				
		JK	GH	FOR	47D		36
		36F	36A				
		D	B	FPC	28G		80
		44C	27E				
		F	E	FCS2	36D	24A	80
		44C	27E				
		2	1	FPCR	34A		36
		28F	28F				
		2	1	FPR	44A		36
		X	X				
		LM	EF				
		JK	GH	FCS2	36D	24A	80
		36E	36A				
		36A	36A	FPCR	34A		36
		D	B				
		45A	41B	FPR	44A		36
		45B	28G				
		2	1				
		28G	26E				
		2	1				
		X	X				

INTERLOCKS				ITEM	COIL	MAIN	ZONE
		4	3	FPCA	28F		80
		34F	34E				
		4	3	FTD1	36C		80
		X	X				
			24E				
		JK	B				
			36F	FTD2	36C		80
			LM				
			36D	GFC	44C	23C	31
			JK				
			36E	GFD	35A	23C	31
			LM				
			36D	GFX	35B		36
			CD				
			AB	GR	11F	41G	36
			35B				
			37D	GFA	35B	23B	31
			GH				
			EF	GRTD	41F		36
			CD				
			AB	ISR	34D		80
			35B				
			43E	LPR	37B		36
			GH				
			EF	MB	27F		31
			37D				
			35C	MB/L1		110	31
			JK				
			A	MB/L2		11F	31
			41F				
			41G	MB/L3		120	31
			LM				
			B	MB/R1		11B	31
			41G				
			2				
			1				
			34D				
			34D				
			2				
			1				
			X				
			X				
			2				
			1				
			37A				
			2				
			1				
			X				
			NP				
			CD				
			AB				
			35A				
			11E				
			35C				
			QR				
			GH				
			EF				
			35D				
			2				
			1				
			37A				
			2				
			1				
			X				
			NP				
			CD				
			AB				
			35D				
			2				
			1				
			37A				
			2				
			1				
			X				
			QR				
			GH				
			EF				
			44C				
			43D				
			35C				
			NP				
			CD				
			AB				
			35C				

INTERLOCKS				ITEM	COIL	MAIN	ZONE
		2	1	MCL	35G		36
			X				
		2	1	LTT1	35G	11A	31
			36A				
		GH	EF				
		35G	44C				
			CD	LTT2	35G	12C	31
			AB				
			35C	MCOX	35F		36
		GH	EF				
		35G	44C	MR SEE LOC A			
			CD				
			AB	NVR	23G		36
			35C				
			2	OCP	39D		36
			1				
			35F	OMCR	37A		36
			27E				
			2	P1	35E	11D	31
			1				
			X	P2	35E	11D	31
			GH				
			EF	P3	35E	12D	31
			44C				
			35C	P4	35F	12D	31
			44C				
			AB	PCR	44A		36
			GH				
			EF	RER	47D		36
			44C				
			35A	RV	27E		31
			GH				
			EF				
			44C				
			43D				
			35C				
			NP				
			CD				
			AB				
			35C				

A

B

C

D

E

F

G

MODULE LEGEND



INDICATES "OR" LOGIC



INDICATES "AND" LOGIC



INDICATES AMPLIFIER



INDICATES DETECTOR



INDICATES FILTER



INDICATES TIME



INDICATES SUMMATION



INDICATES ISOLATED AMPLIFIER



INDICATES MULTIPLIER



INDICATES FREQUENCY TO VOLTAGE



INDICATES UP-DOWN COUNTER



INDICATES MULTIPLEXER



INDICATES FUNCTION GENERATOR



INDICATES RATE OF CHANGE



INDICATES LIGHT EMITING DIODE



INDICATES ISOLATED TRANSISTOR

MODULE LOCATOR CHART

NAME	FUNCTION	LOCATION															
		15E	19G	22E	37F	20G											
AN	ANNUNCIATOR - 15V ANI 26																
	ANNUNCIATOR - 74V	37A	37A	37B	37D	37D	37D	37E									
BC	BAROMETRIC COMP-BC102	15A	21B														
CM	CURRENT MAXIMIZER-CM100	14A	21E														
DE	DYNAMIC BRAKE EXTENDED RANGE-DE103	17A	21B														
DP	DYNAMIC BRAKE PROTECTION-OP112	16D	21C														
DR	DYNAMIC BRAKE REGULATOR-DR112	15D	21C														
DC	DYNAMIC BRAKE GRID PROTECTION-DG105	20E															
EL	EXCITATION LIMIT-EL101	21F	37F														
EN	E PER N-EN103	20B	21E														
EP	ENGINE PURGE-EP11	25D	26F														
FG	GEN FEEDBACK-FG100	17F	20E	21G													
FM	MOTOR FEEDBACK-FM104	14C	21F	44D													
GC	GOVERNOR CONTROL-GC104	45B															
LC	LOAD CONTROL-LC120	18C	21F														
MS	MOTOR SIMULATOR-MS102	16A	22D														
PS1	POWER SUPPLY-PS11	21C															
PS2	POWER SUPPLY-PS11	22E															
RA	RADAR-RA103	13G	22D														
SA	SAND CONTROL-SA100	43B															
SC1	SIGNAL COND - 74V IN SC100 SIGNAL COND - 15V IN	2-3	4-5	6-7	8-9	10-11	12-13	26-19	1-14 PWR SUP								
		39F	39G	39F	39E	39E	37D		37G	39G							
		15-16	17-18	21-22	23-24	27-28	29-30	DG	20-25 PWR SUP								
SC2	SIGNAL COND - 74V IN SC100 SIGNAL COND - 15V IN	2-3	4-5	6-7	8-9	10-11	12-13	26-19	1-14 PWR SUP								
		44D	45E	45D	45C	45B	44D		43D	44D							
		15-16	17-18	21-22	23-24	27-28	29-30		20-25 PWR SUP								
SC3	SIGNAL COND - 74V IN SC100 SIGNAL COND - 15V IN	2-3	4-5	6-7	8-9	10-11	12-13	26-19	1-14 PWR SUP								
			39A	39A	39B				39B	39B							
		15-16	17-18	21-22	23-24	27-28	29-30		20-25 PWR SUP								
SE	SENSOR-SE14	11D	18F	23D	23F												
SN	WHEEL SLIP-SN103	19B	21D														
VR	VOLTAGE REG-VR13	30F															
WO	WHEEL SLIP O' SPD-WO100	20B	21D	44D													

MODEL GP49-DE

ORDER NO 847035

PART NO WD02759

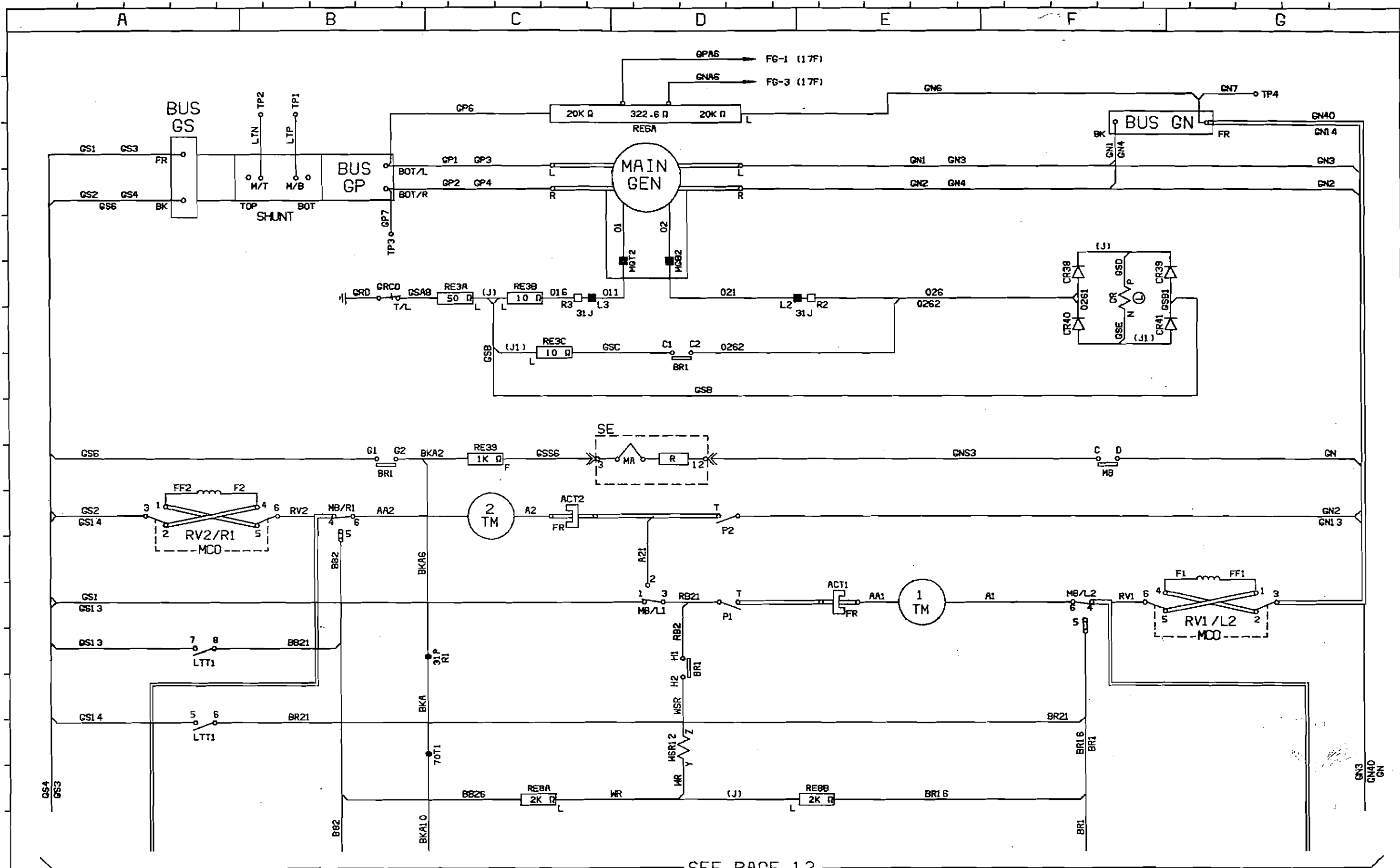
REV

SHEET 09 OF 59

SET-UP CHART

CONDITION	ENGINE CONTROL										GENERATOR & TM CONTROL																	
	FP/ES	IS	CONTROLLER			MFD 1	FP MTR	PCR	FPC	ST	ER	AV	BV	CV	DV	GFA	GFC	MR	BR	P1	P2	P3	P4	B				
			RHS	BKS	THS																							
PRIME	1						●	●	●																			
START	3						●	●	●	●																		
IDLE							●	●			+			+														
RUN	POS 2	RUN	FOR/REV	OFF	1	●	●	●	●	●	●	+			●	●	●			●	●	●	●					
					2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
					3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
					4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
					5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
					6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
					7	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
					8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
STOP						●	●	●	●	●										●	●	●	●					
BRAKE						●	●	●	●	●								●		●		●		●				
BRAKE ADV				1-8		●	●	●	●	●	+				●			●		●		●		●				

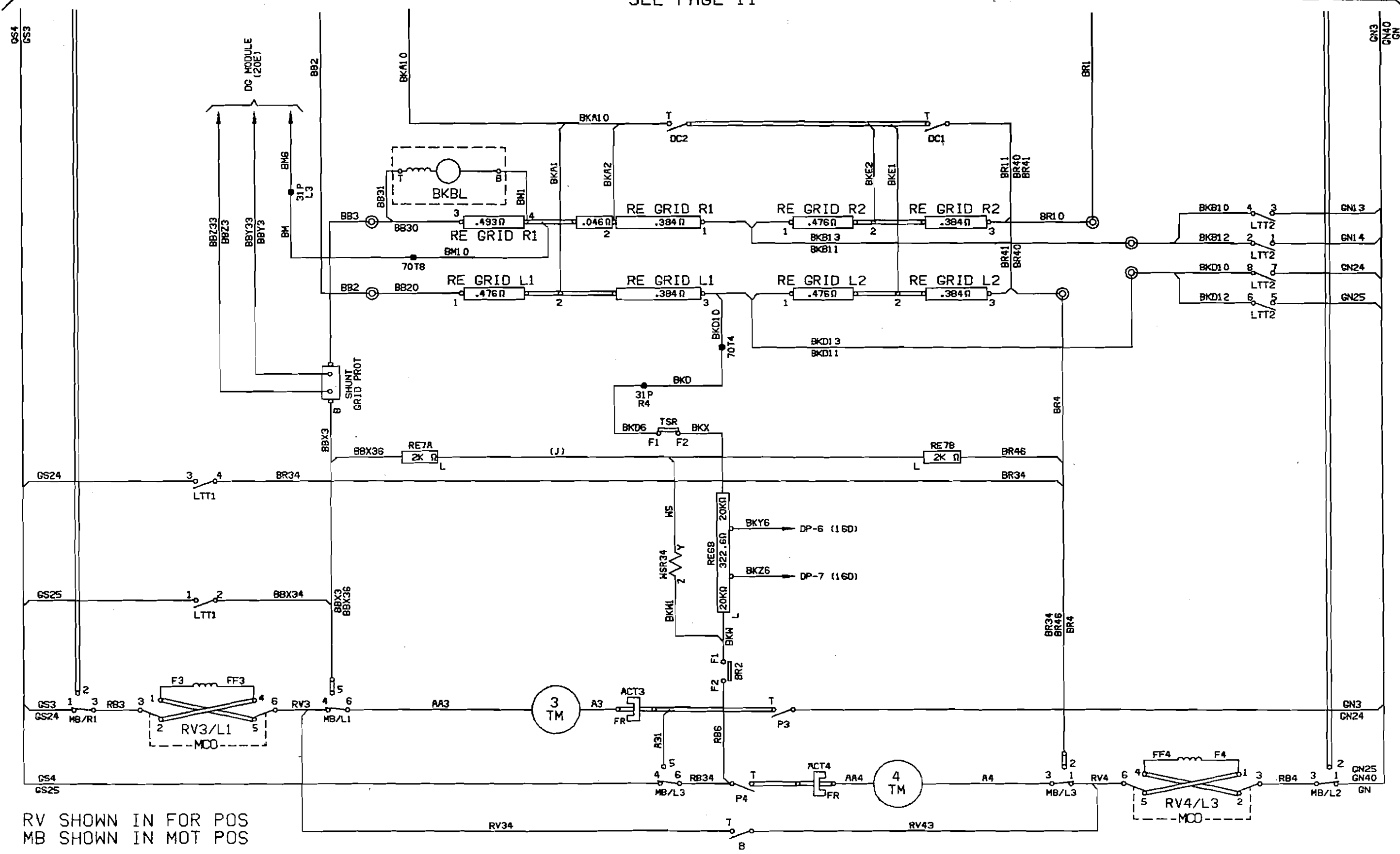
● ENERGIZED + CONDITIONAL * STOP ■ BRAKE SET-UP ⊙ ENERGIZED MOMENTARILY



SEE PAGE 12

A B C D E F G

SEE PAGE 11



RV SHOWN IN FOR POS
MB SHOWN IN MOT POS

A

B

C

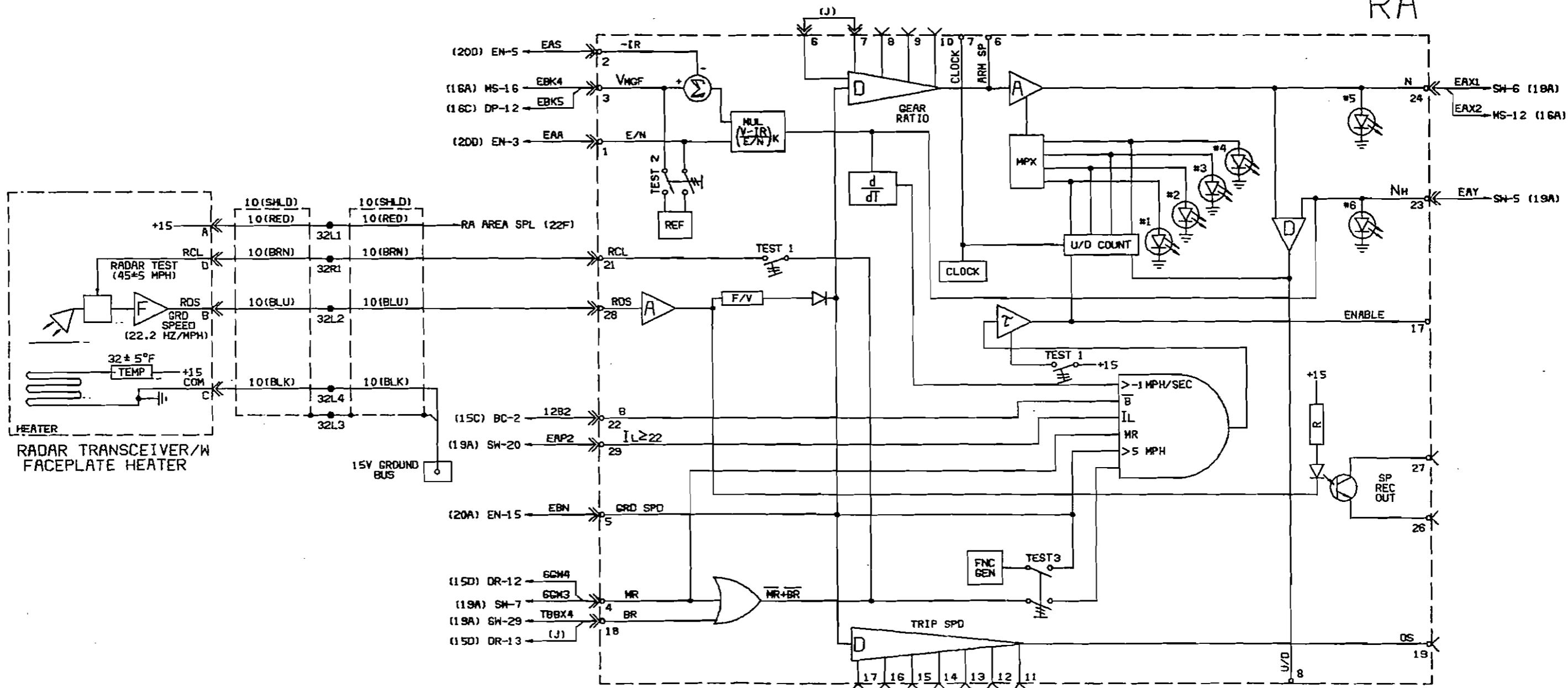
D

E

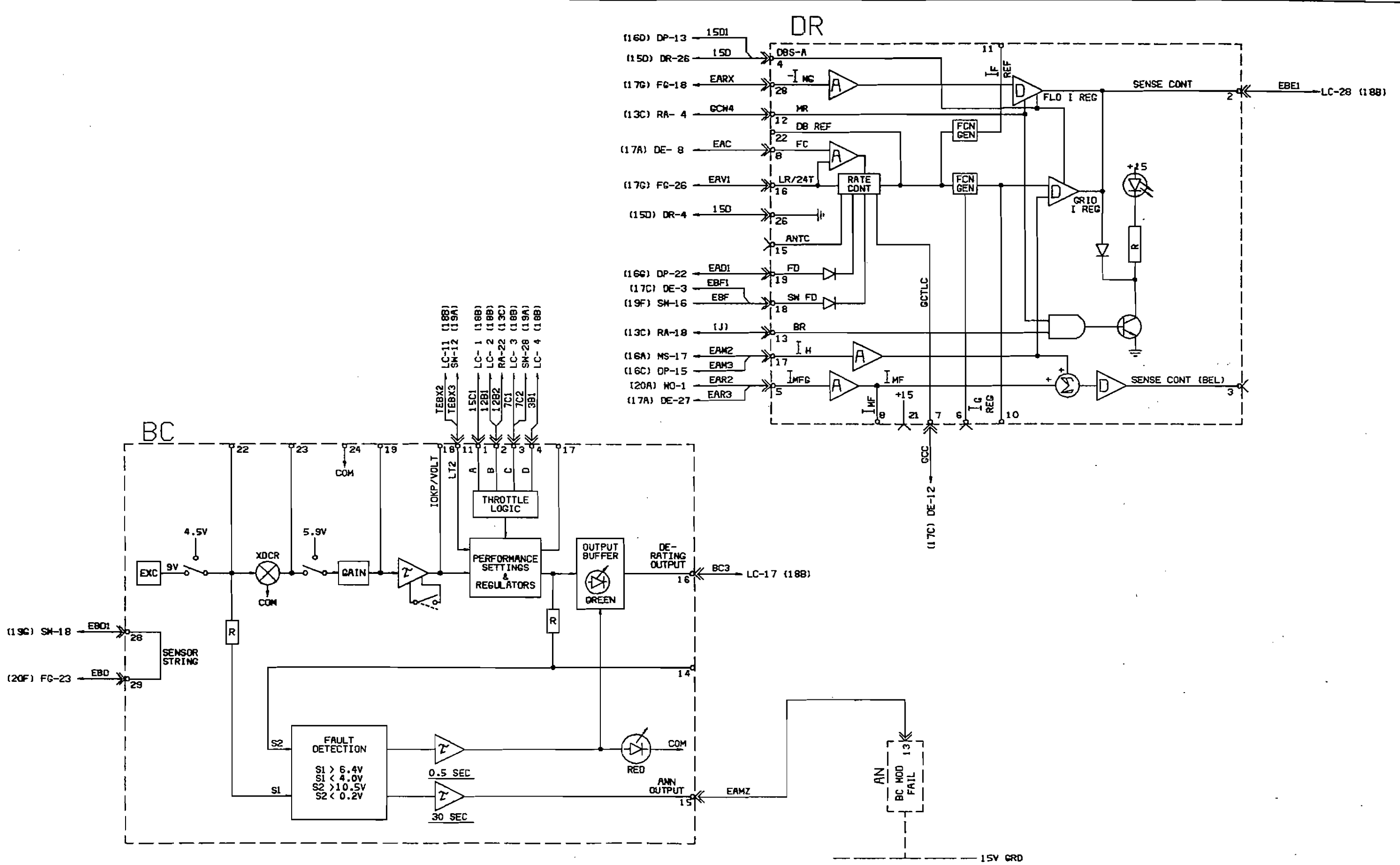
F

G

RA



A B C D E F G



A

B

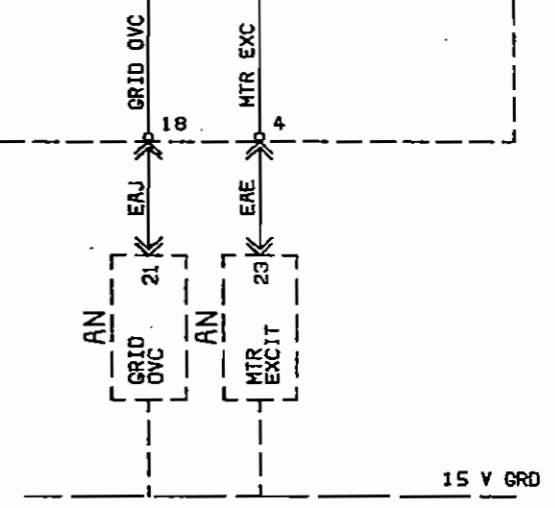
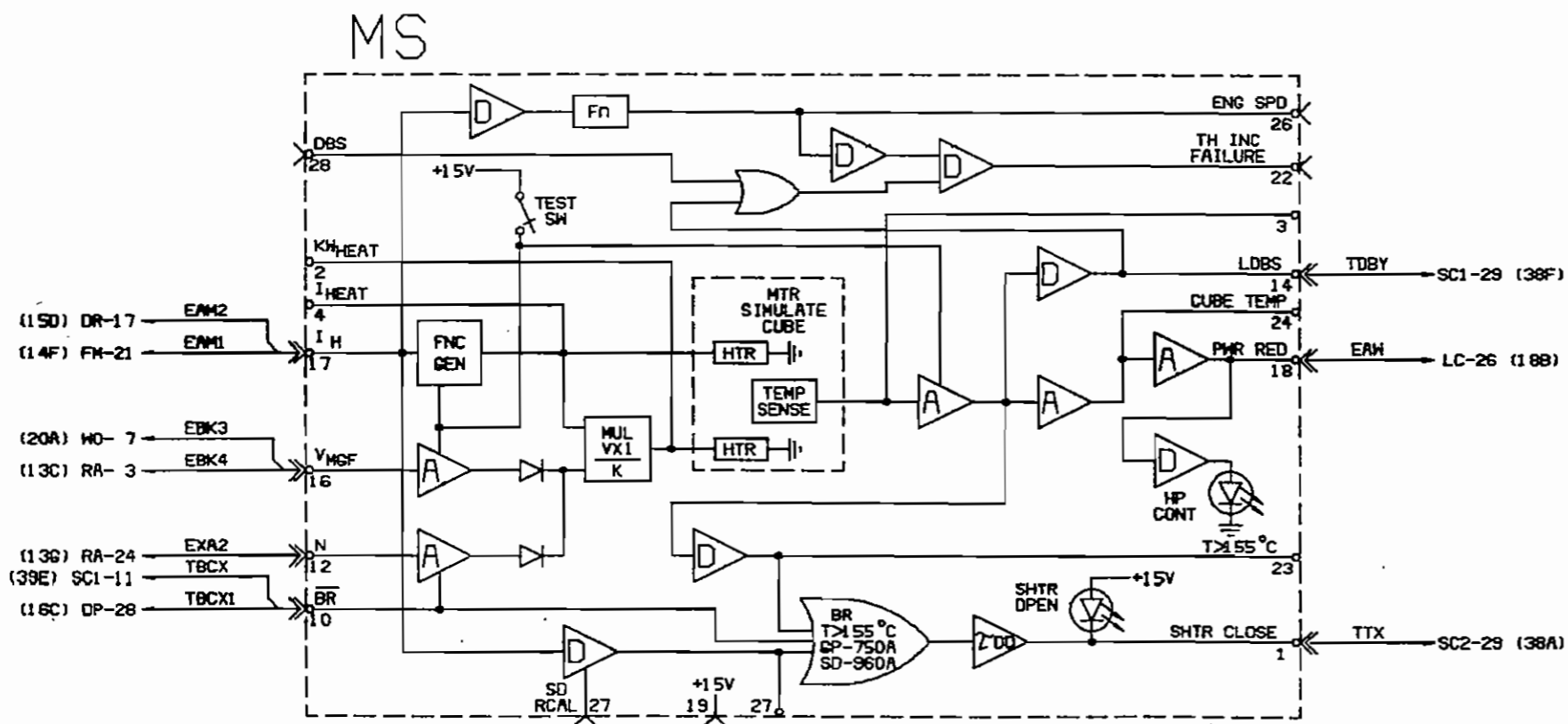
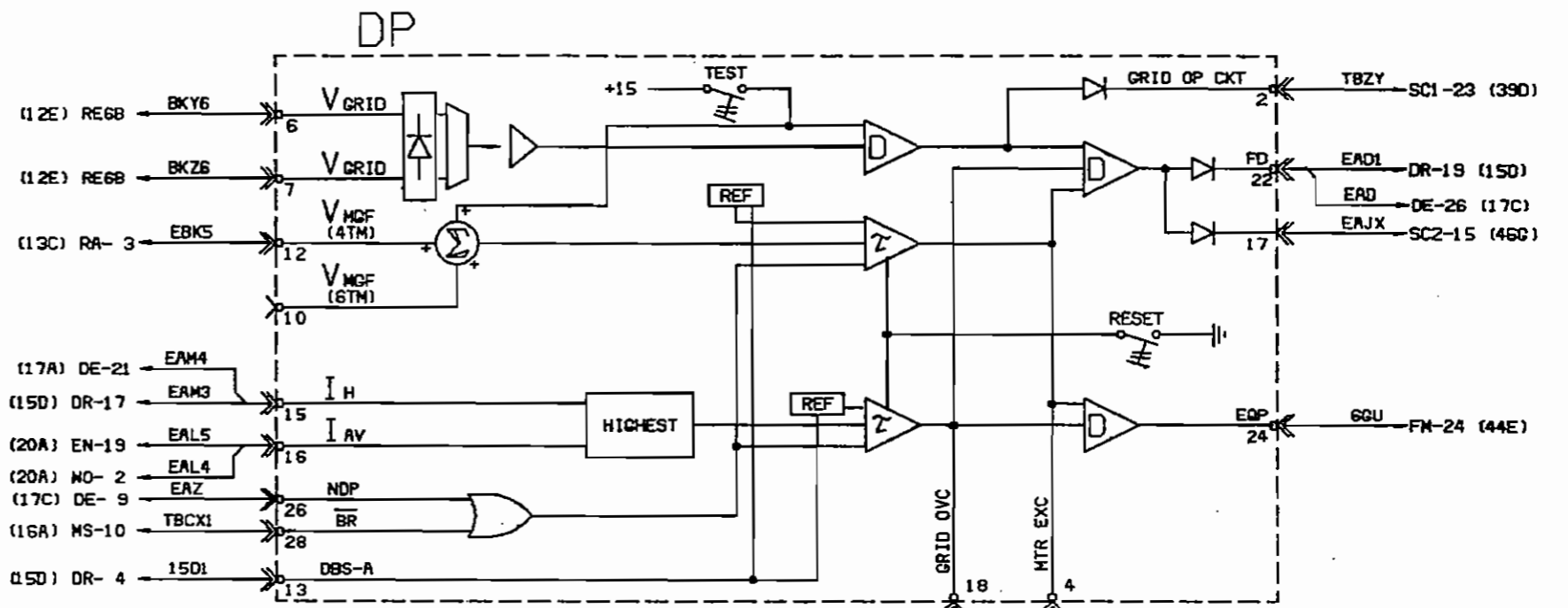
C

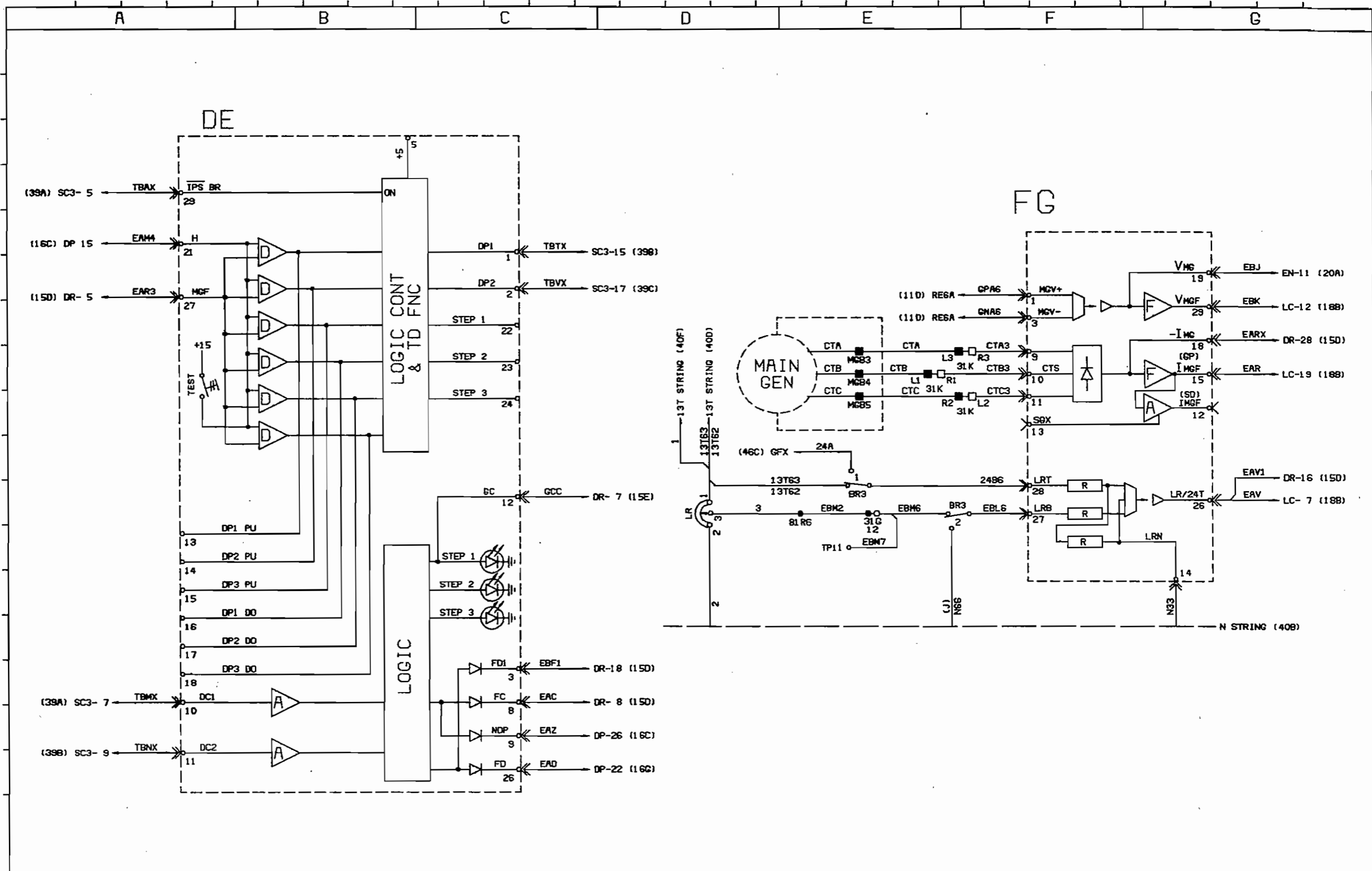
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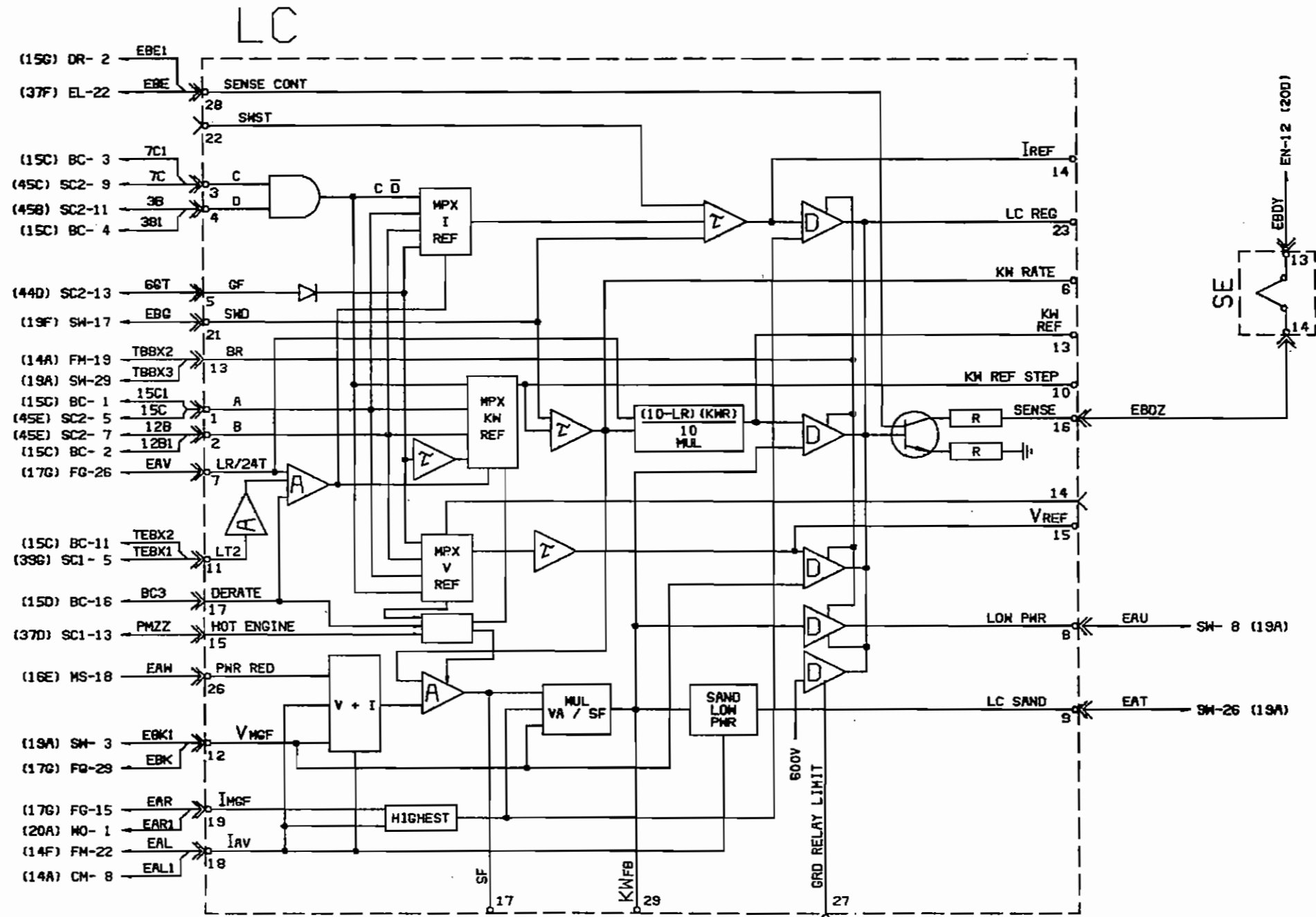
E

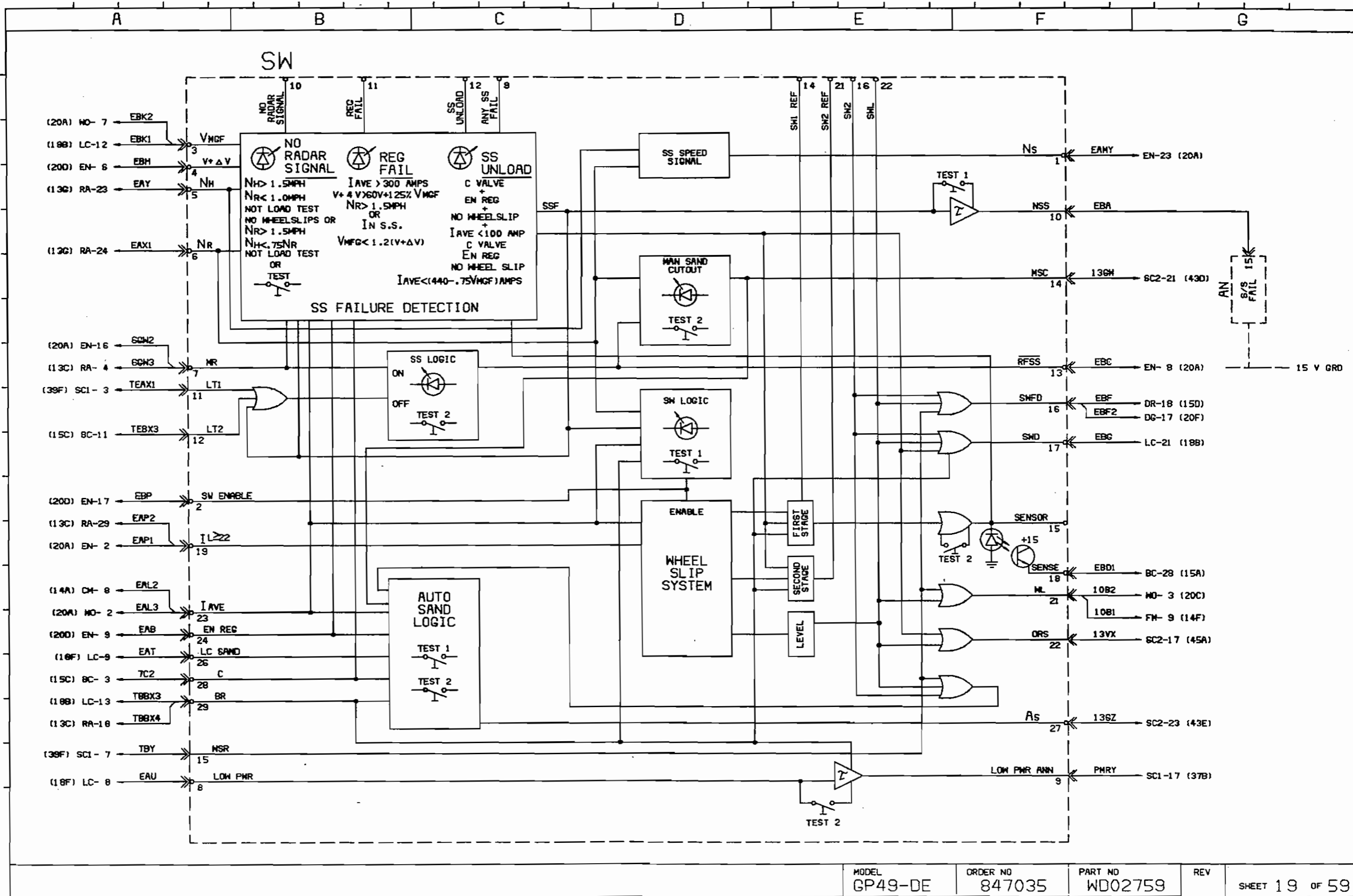
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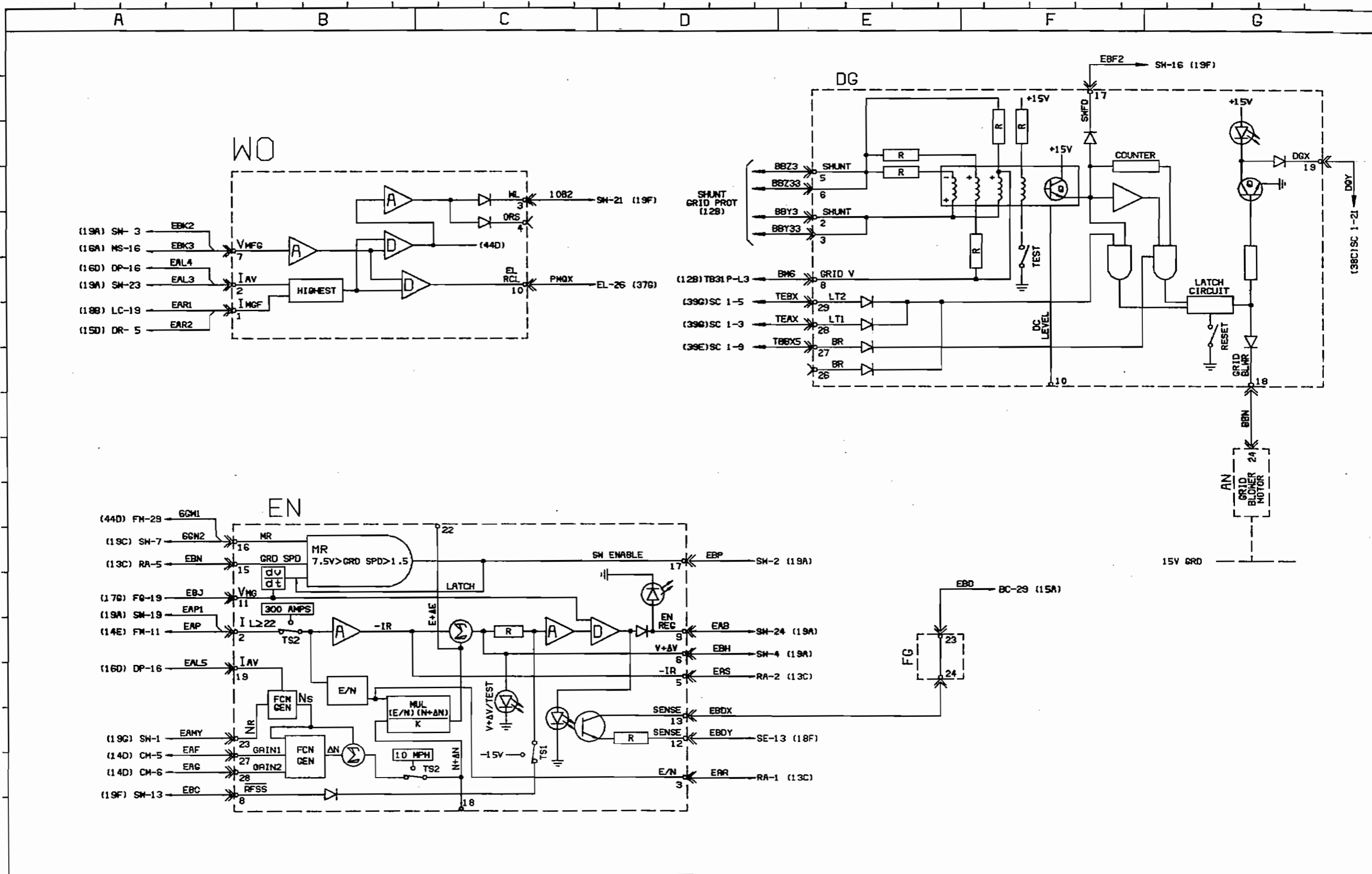
G





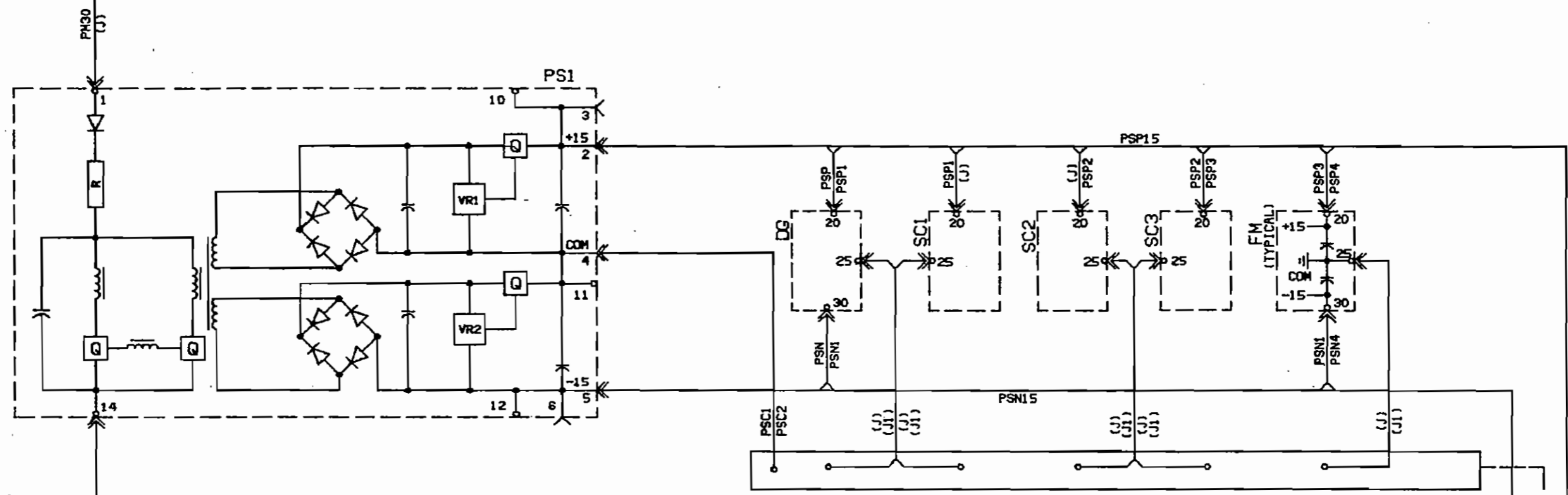




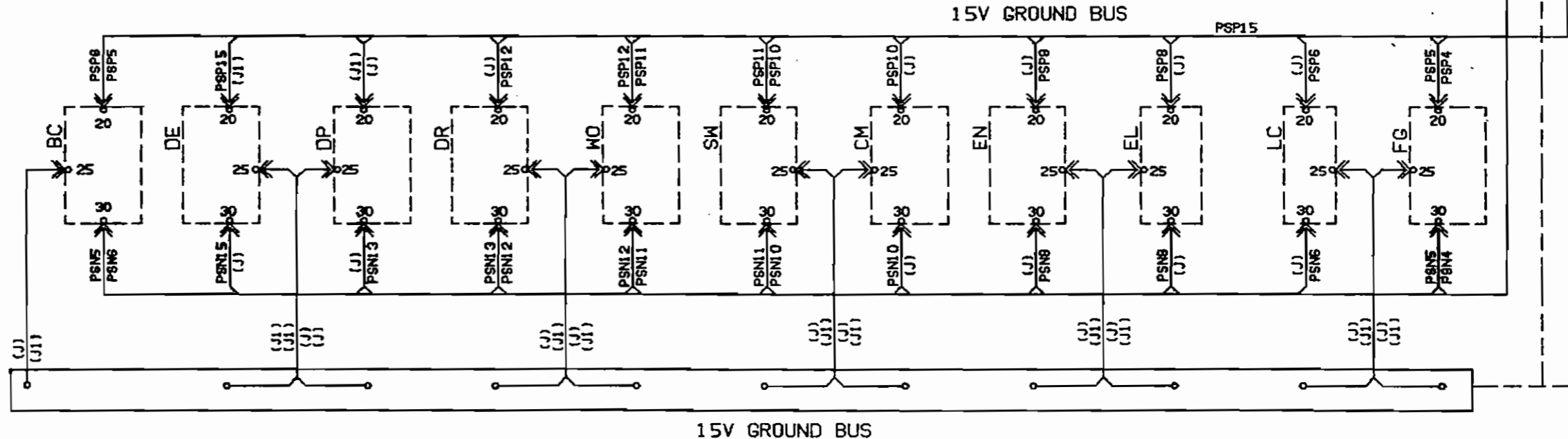


A B C D E F G

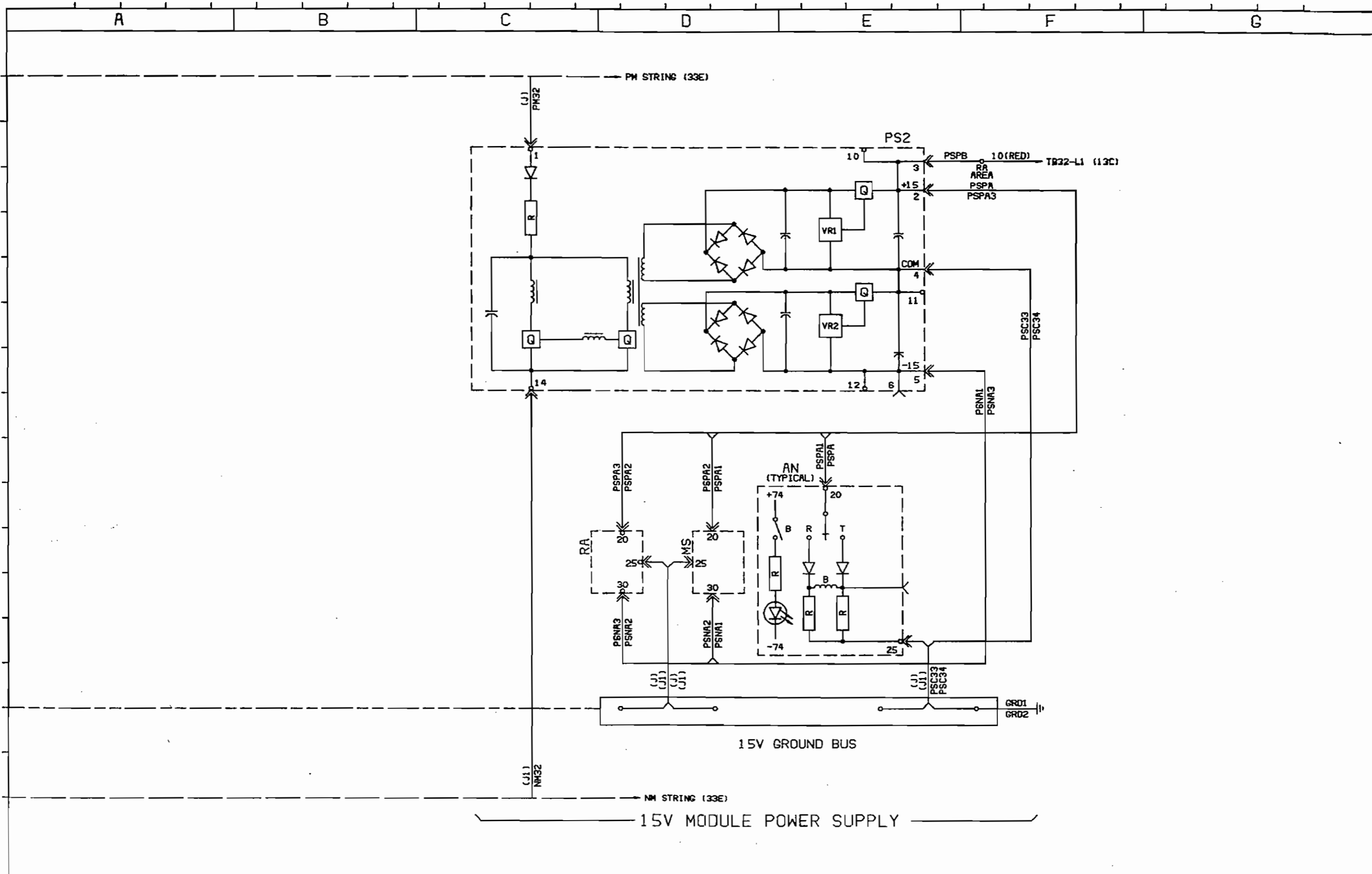
(33E) PM STRING

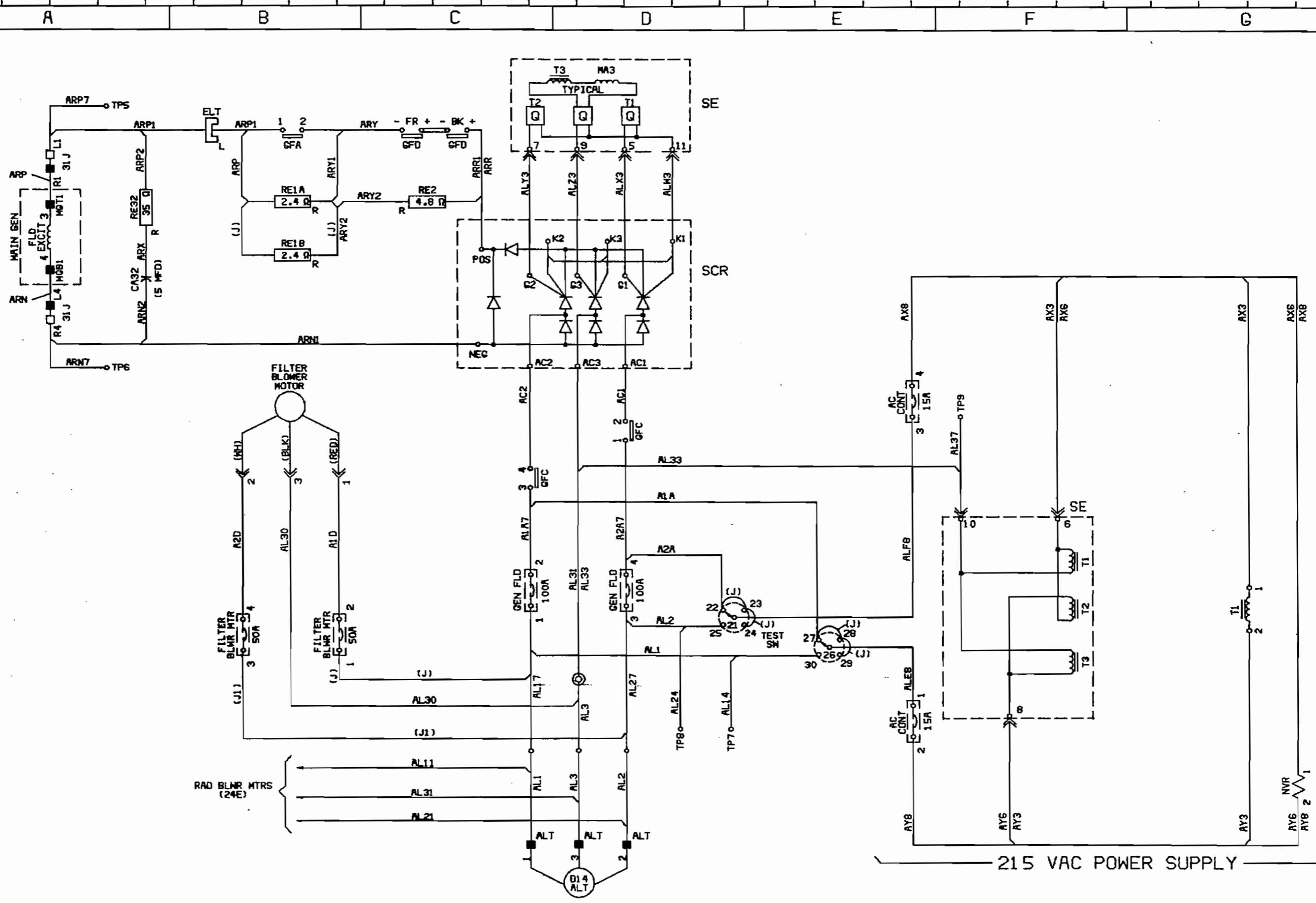


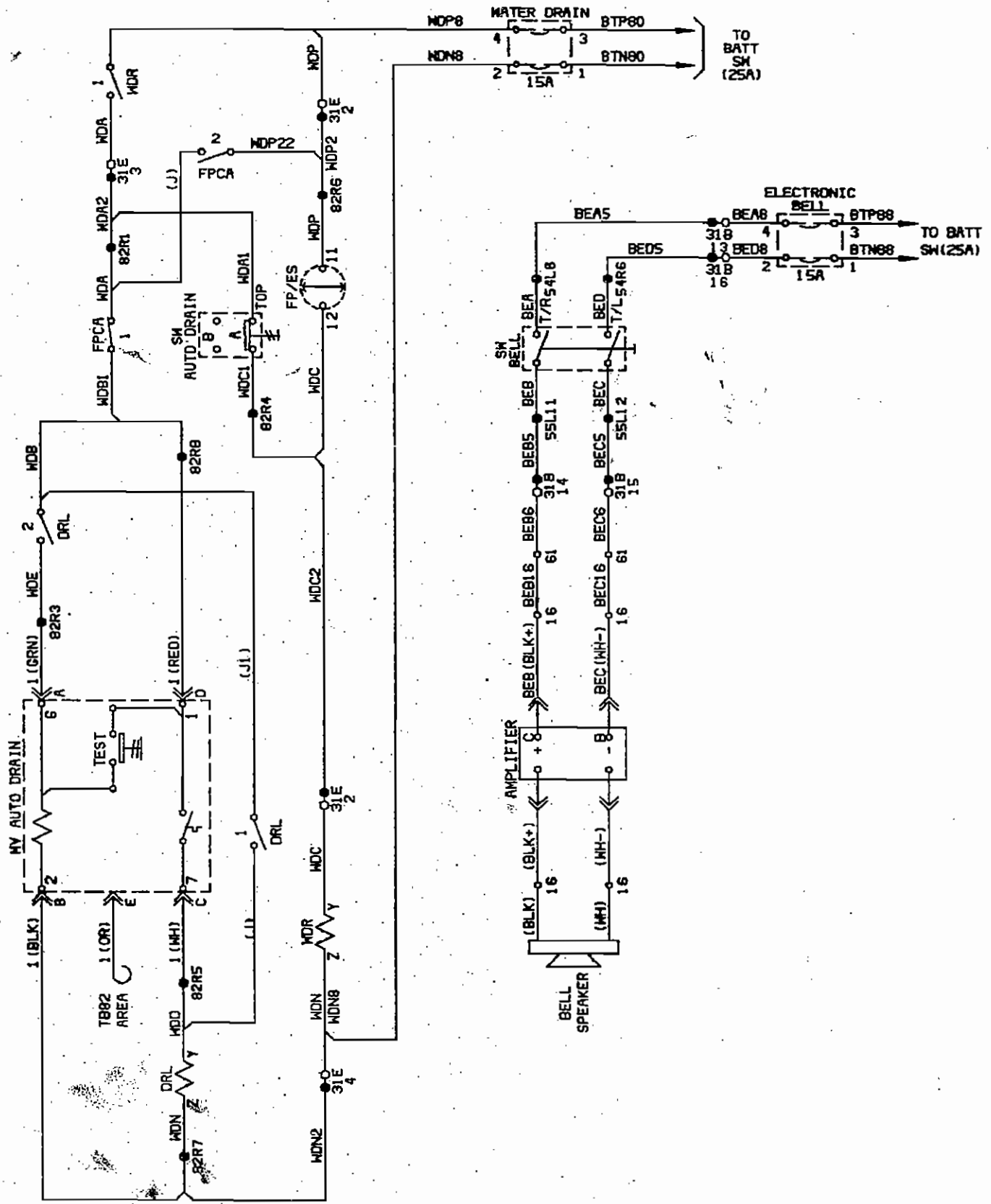
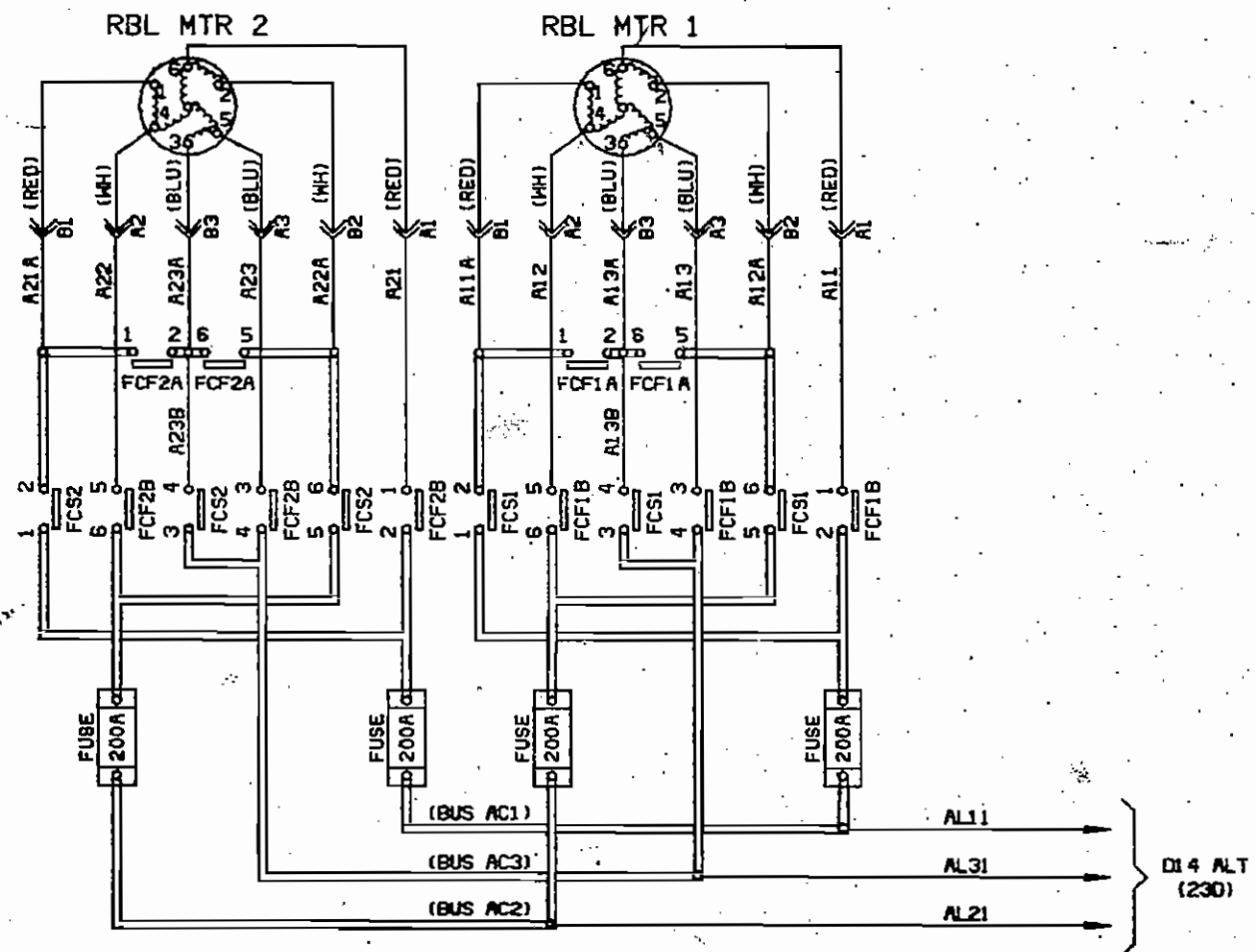
(33E) NM STRING

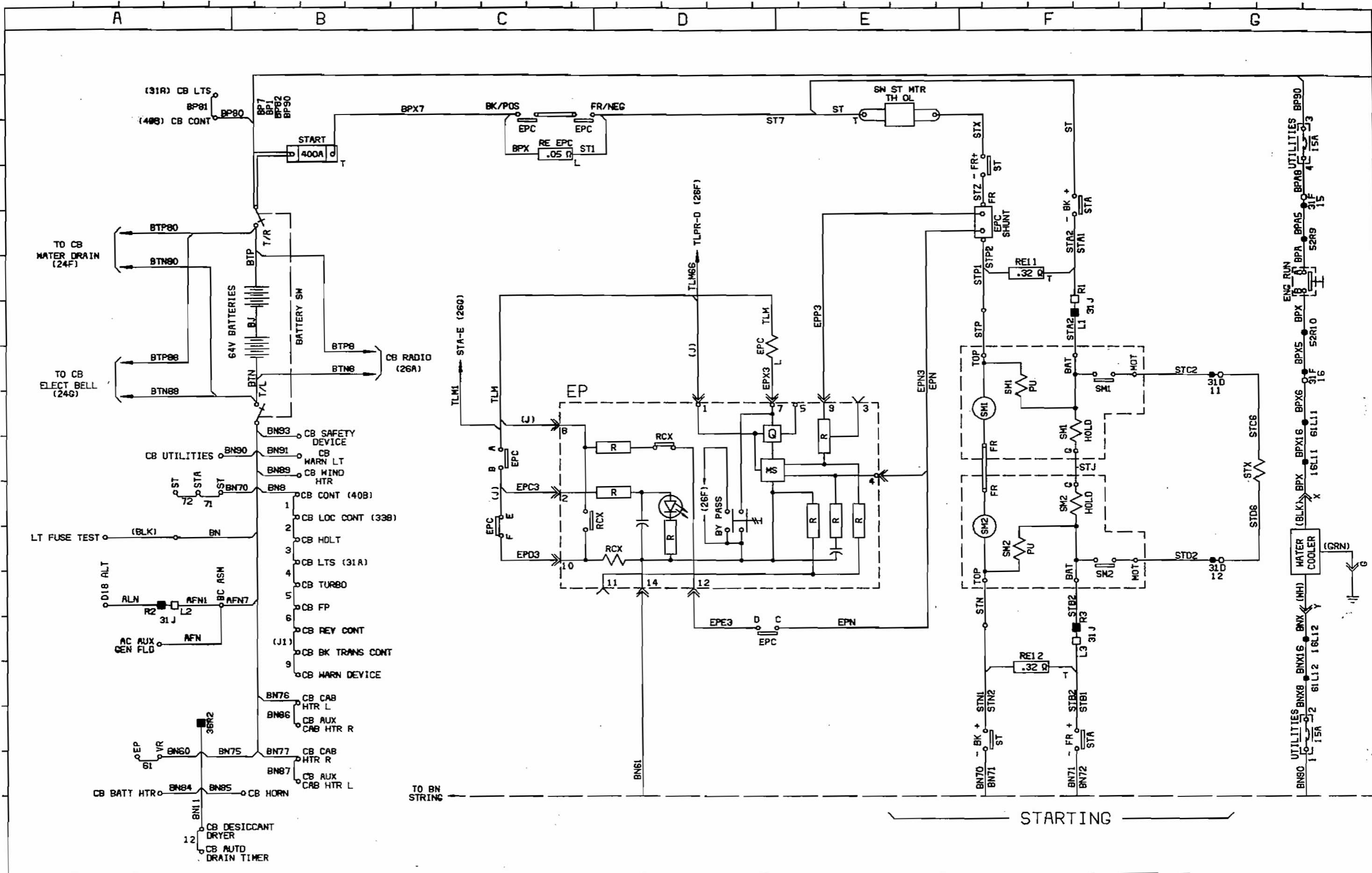


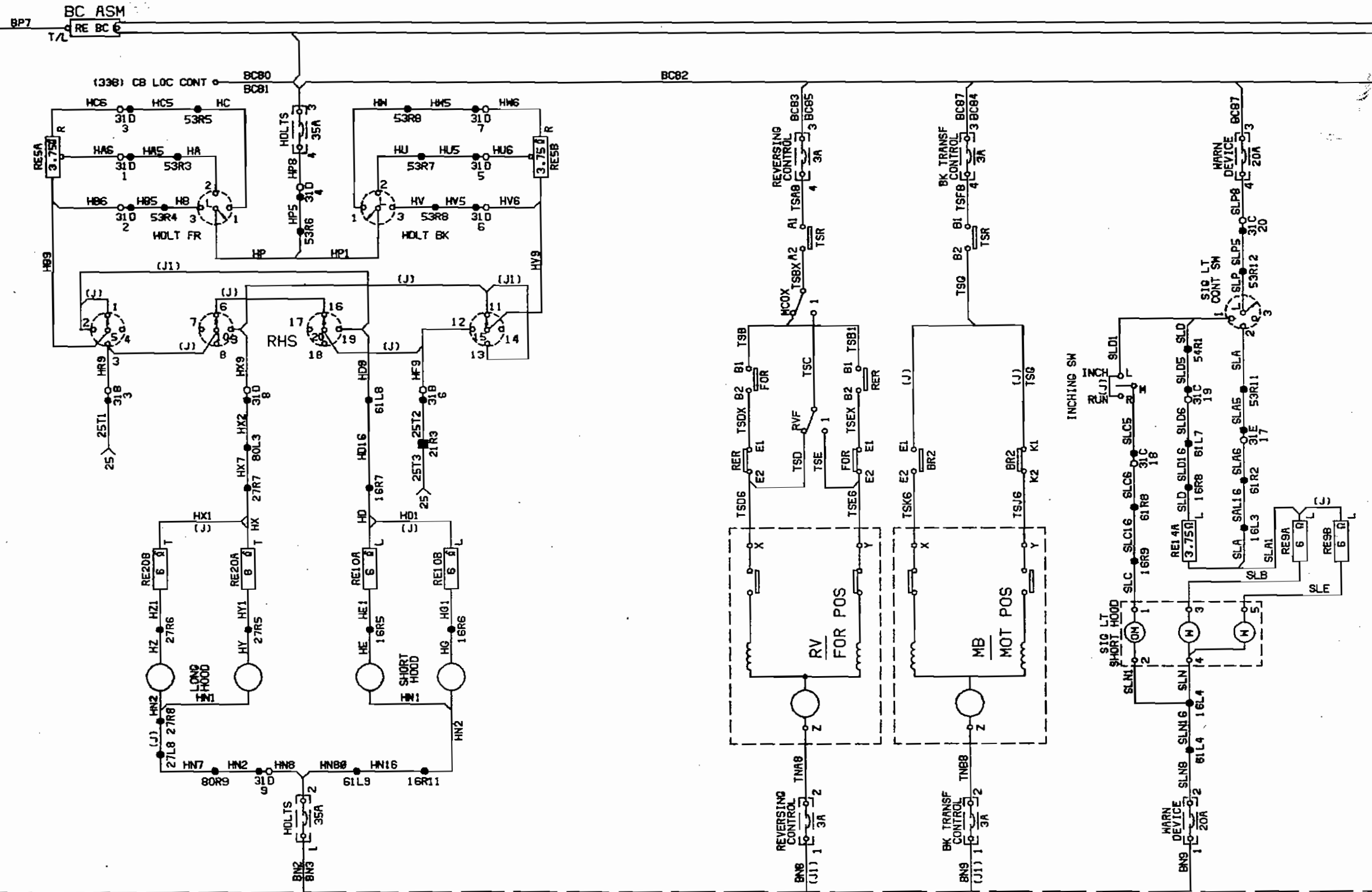
15V MODULE POWER SUPPLY





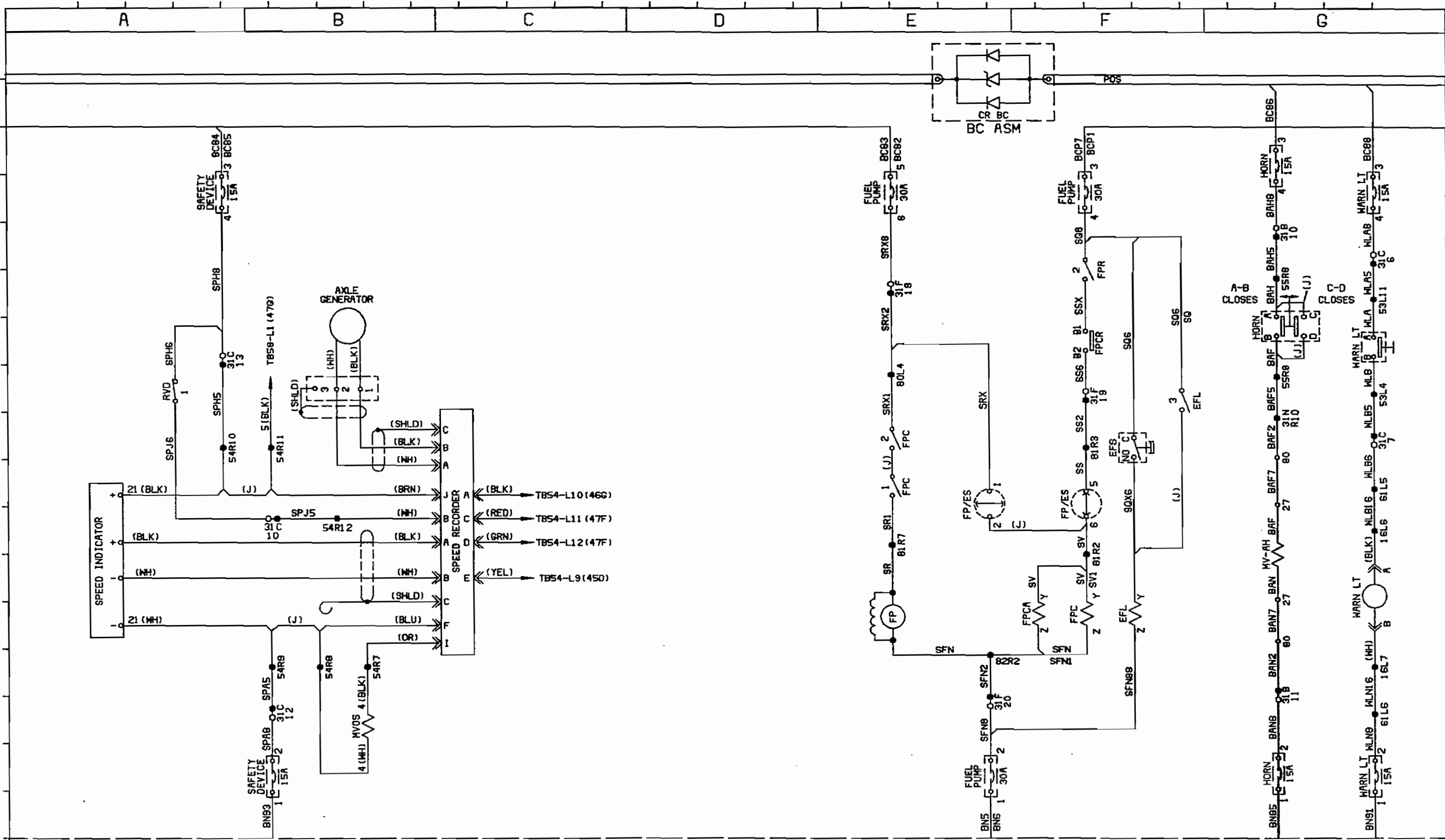






HEAD LIGHT

TRANSFER SWS



FUEL PUMP

A

B

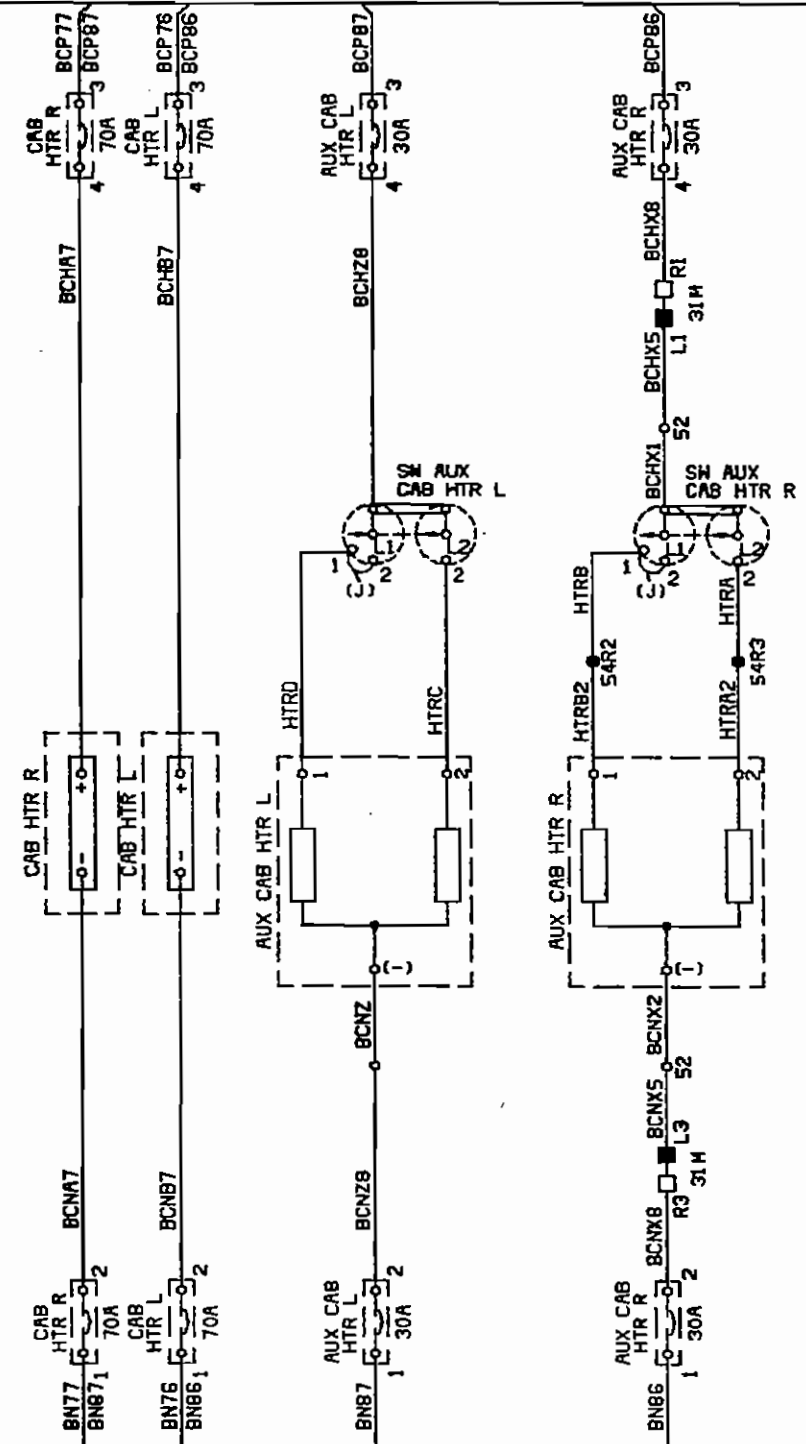
C

D

E

F

G



CAB HEATERS

x

A

B

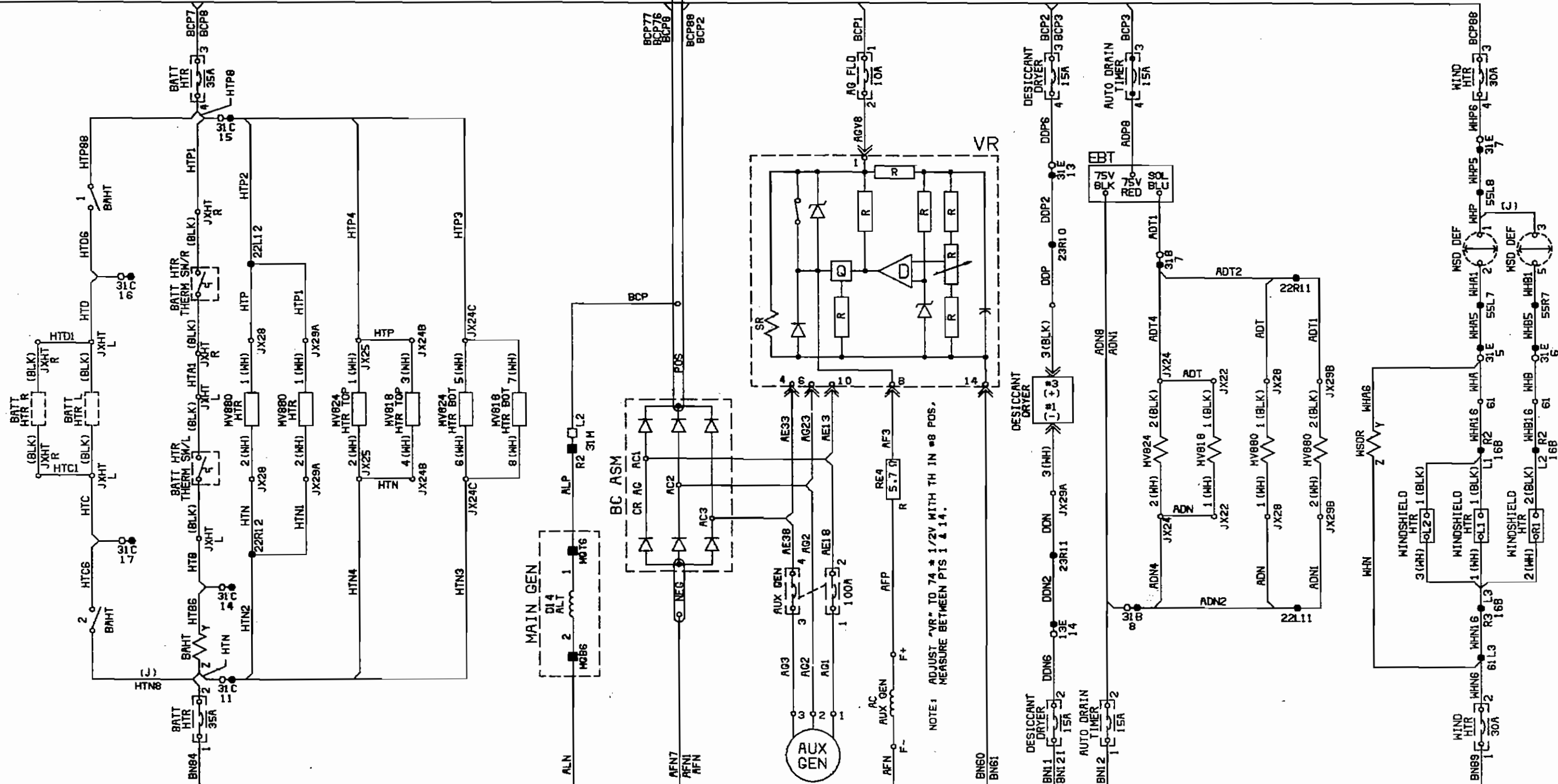
C

D

E

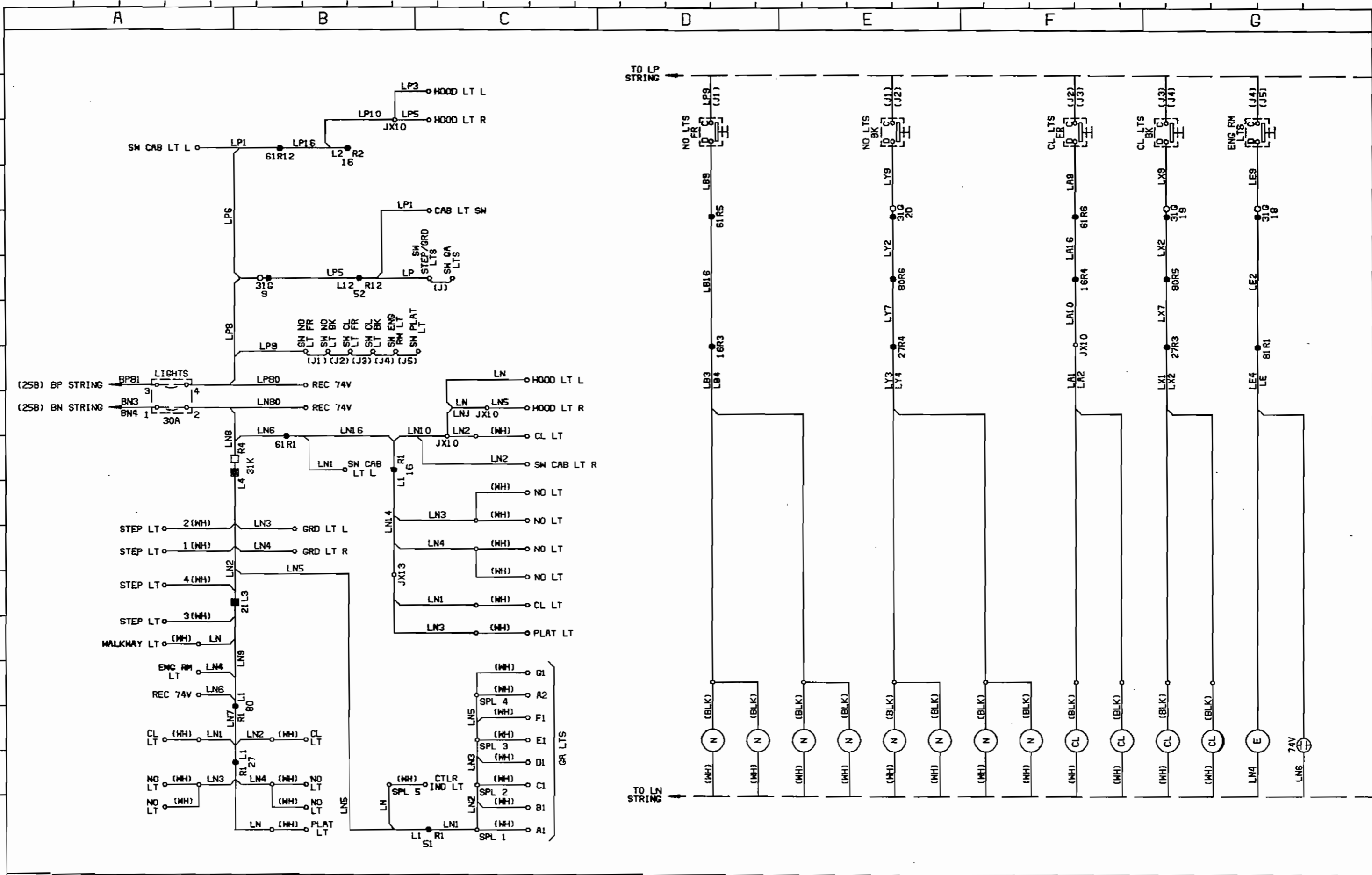
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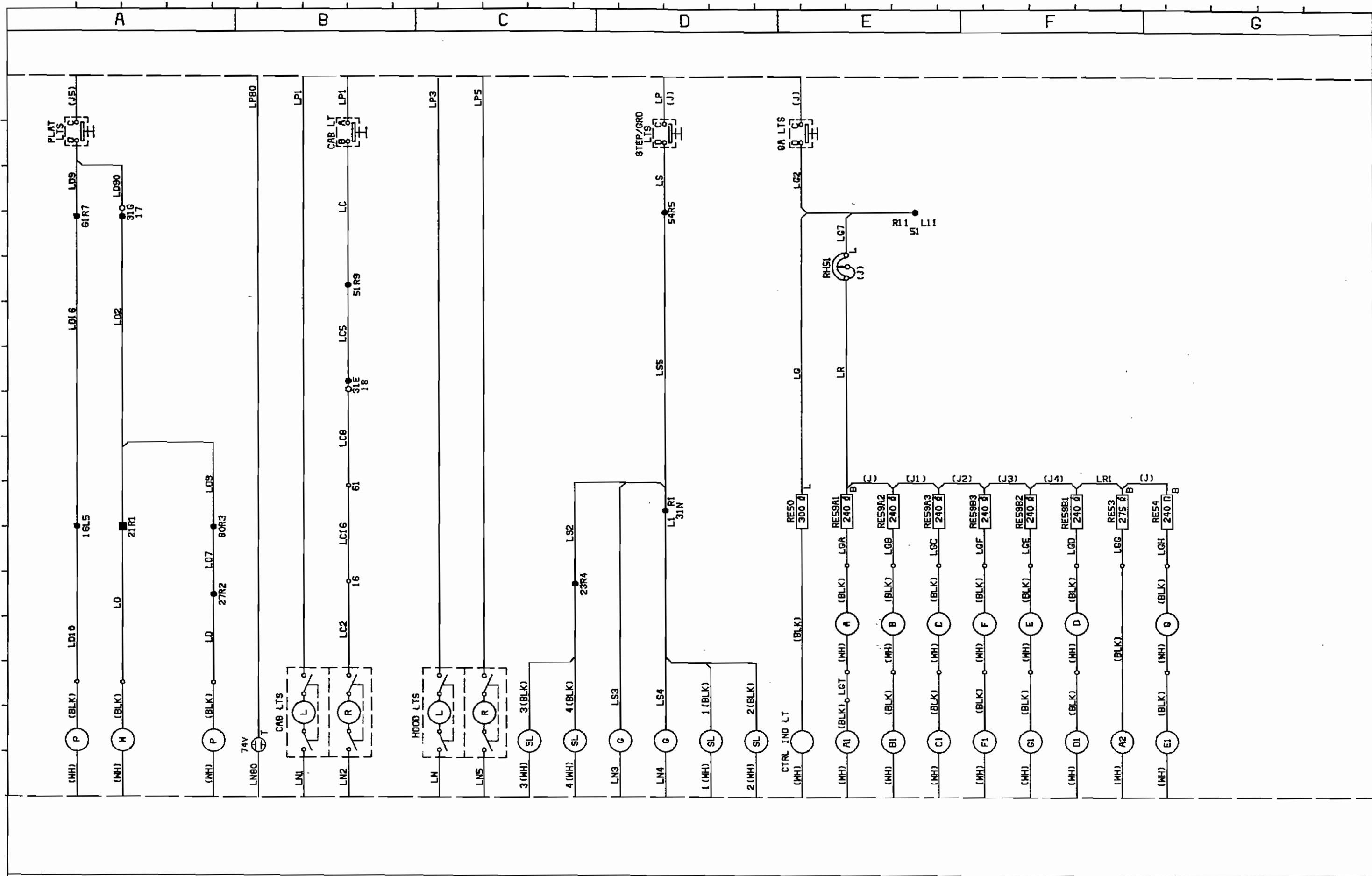
G



NOTE: ADJUST "VR" TO 74 ± 1/2V WITH TH IN #8 POS.
MEASURE BETWEEN PTS 1 & 14.

AC AUX GEN





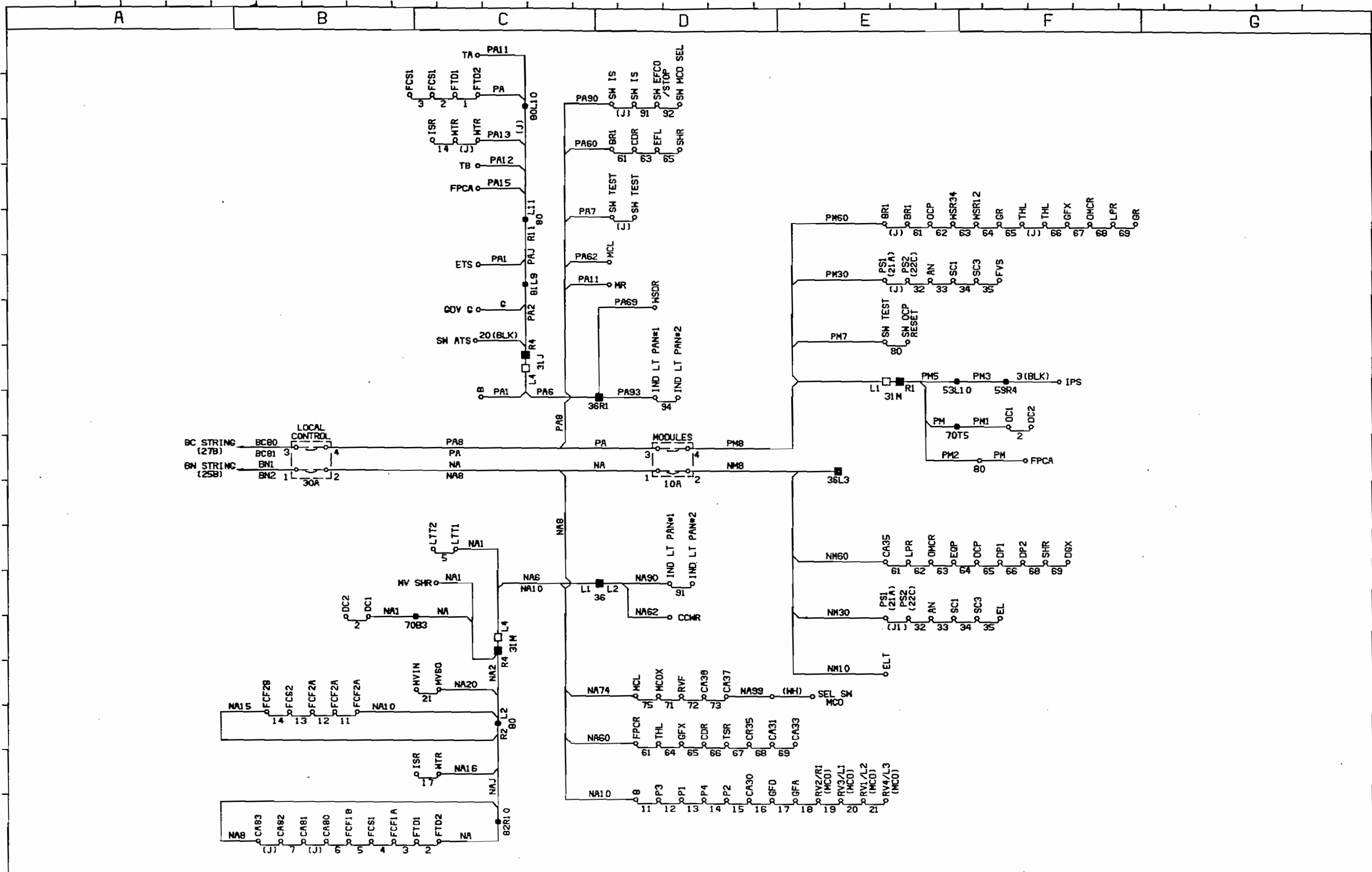
MODEL
GP49-DE

ORDER NO
847035

PART NO
WD02759

REV

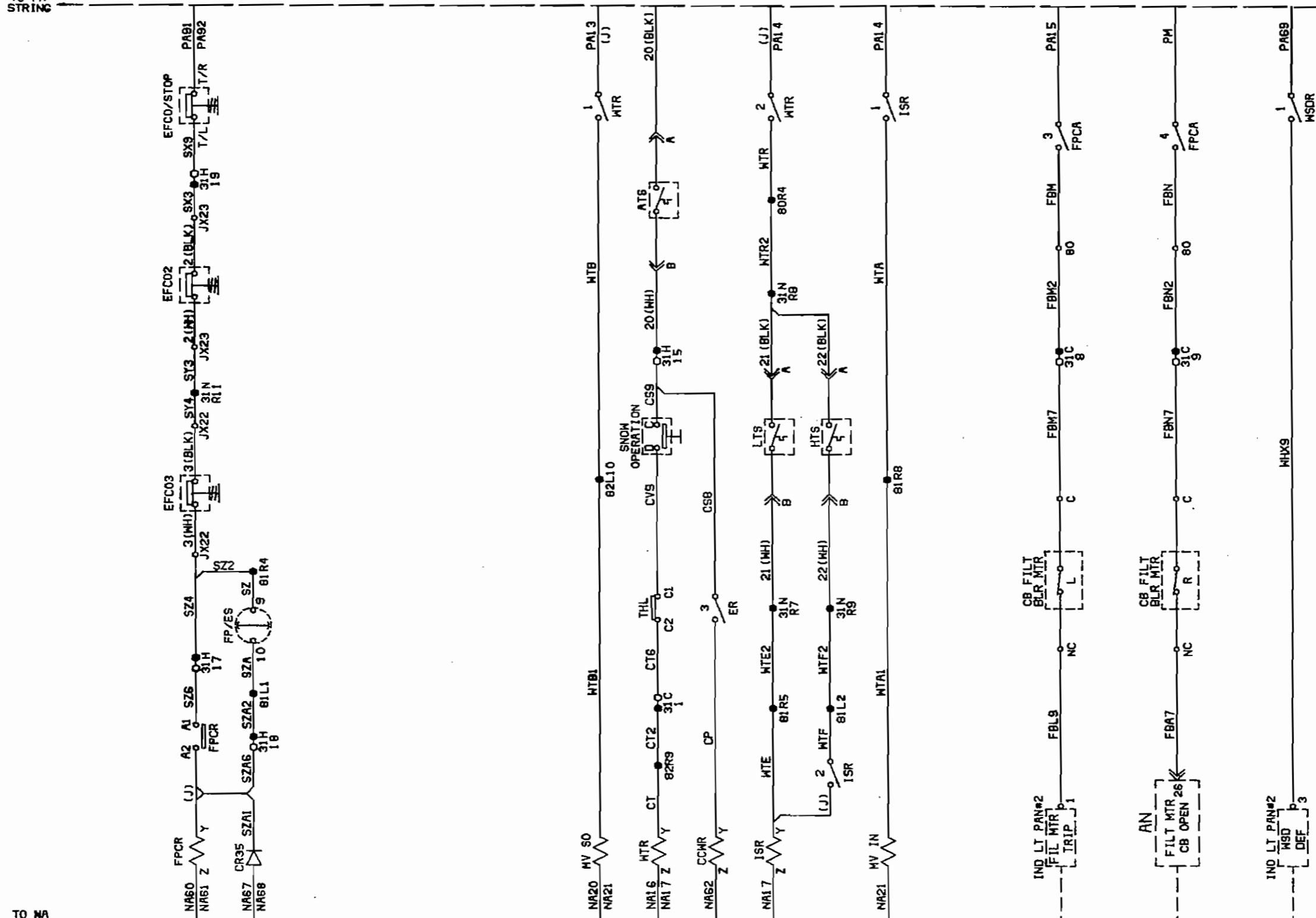
SHEET 32 OF 59



TO PA STRING

TO MA STRING

A B C D E F T G



ENG. STOP START

WINTERIZATION

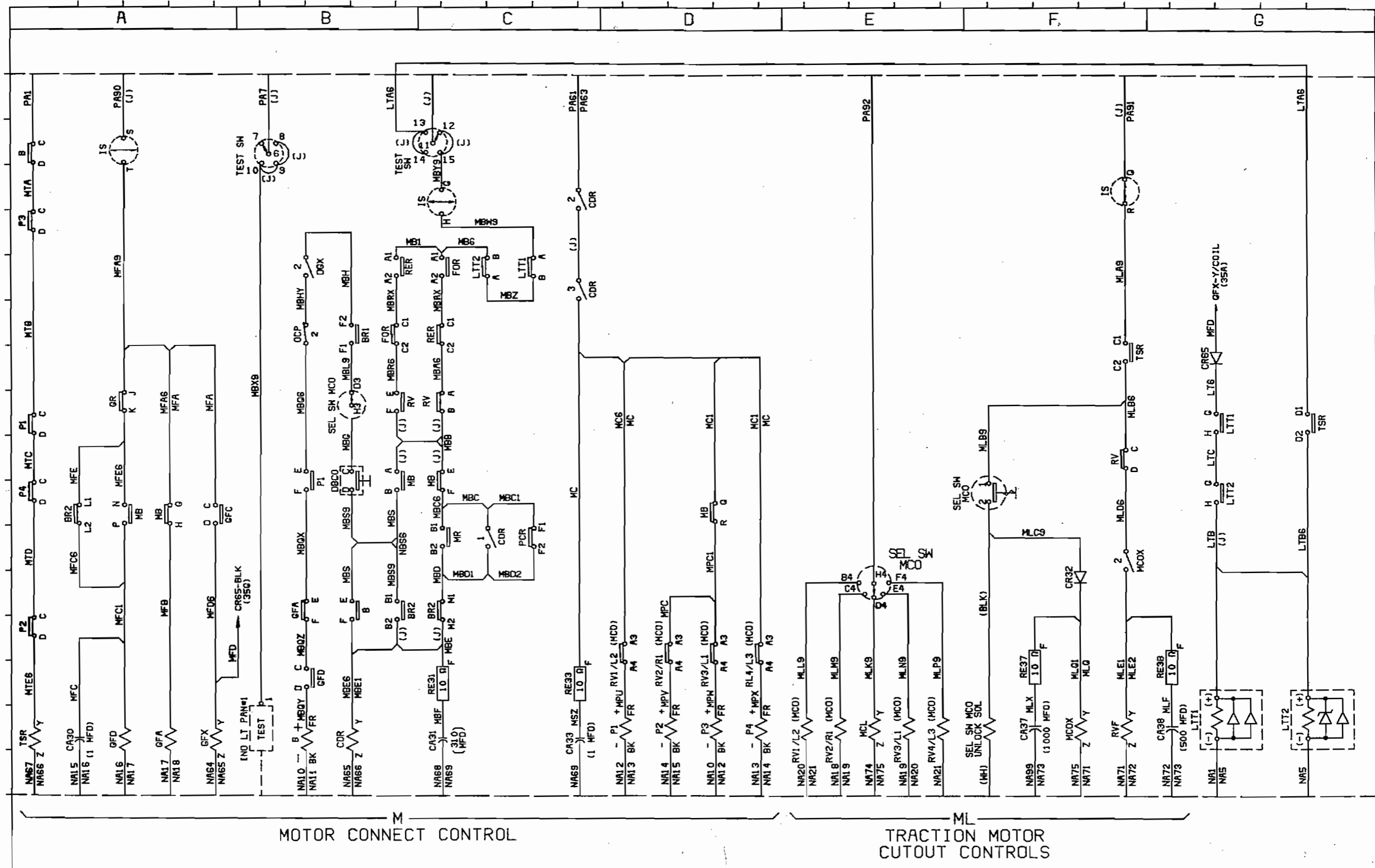
MODEL GP49-DE

ORDER NO 847035

PART NO WD02759

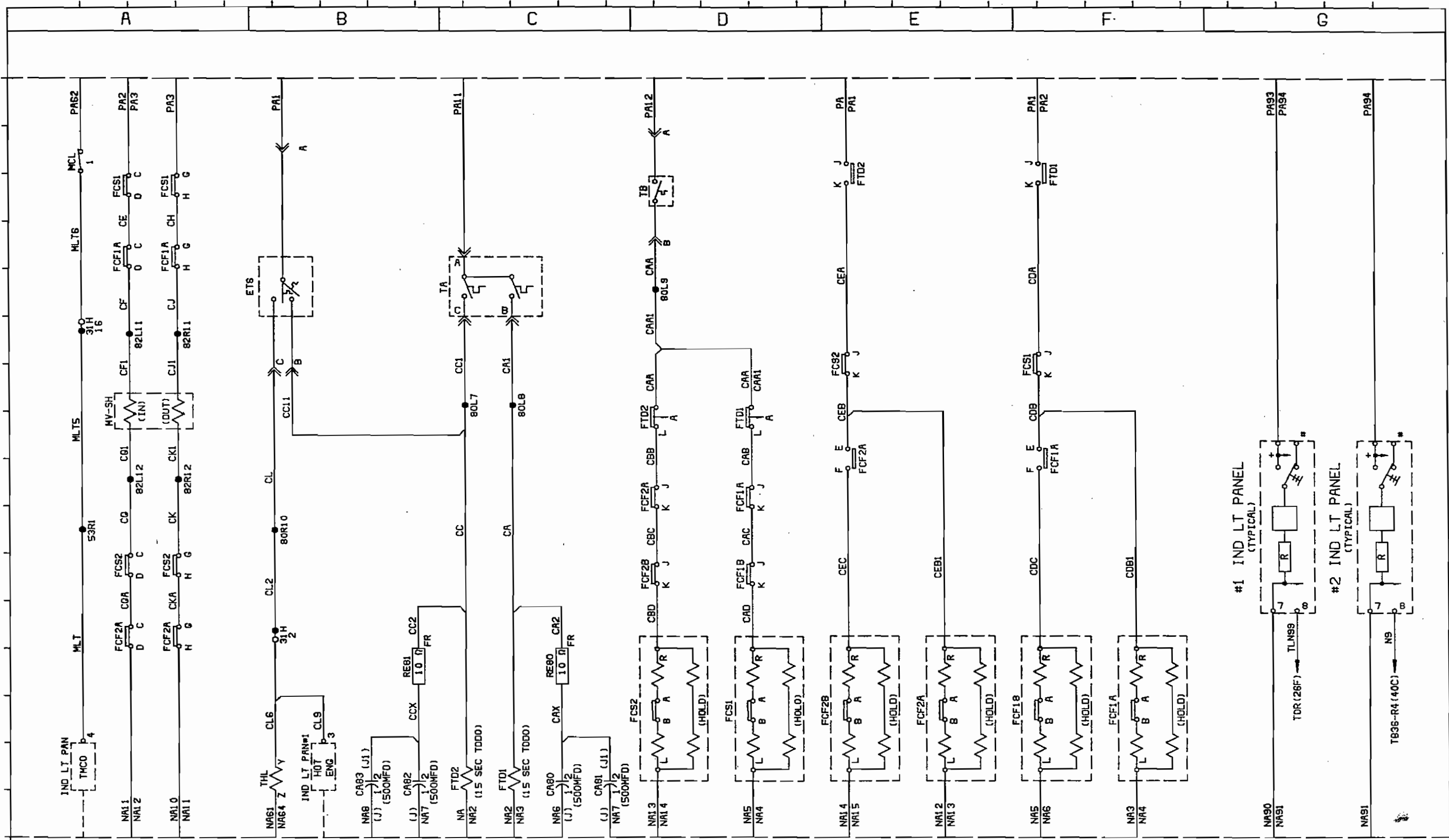
REV

SHEET 34 OF 59

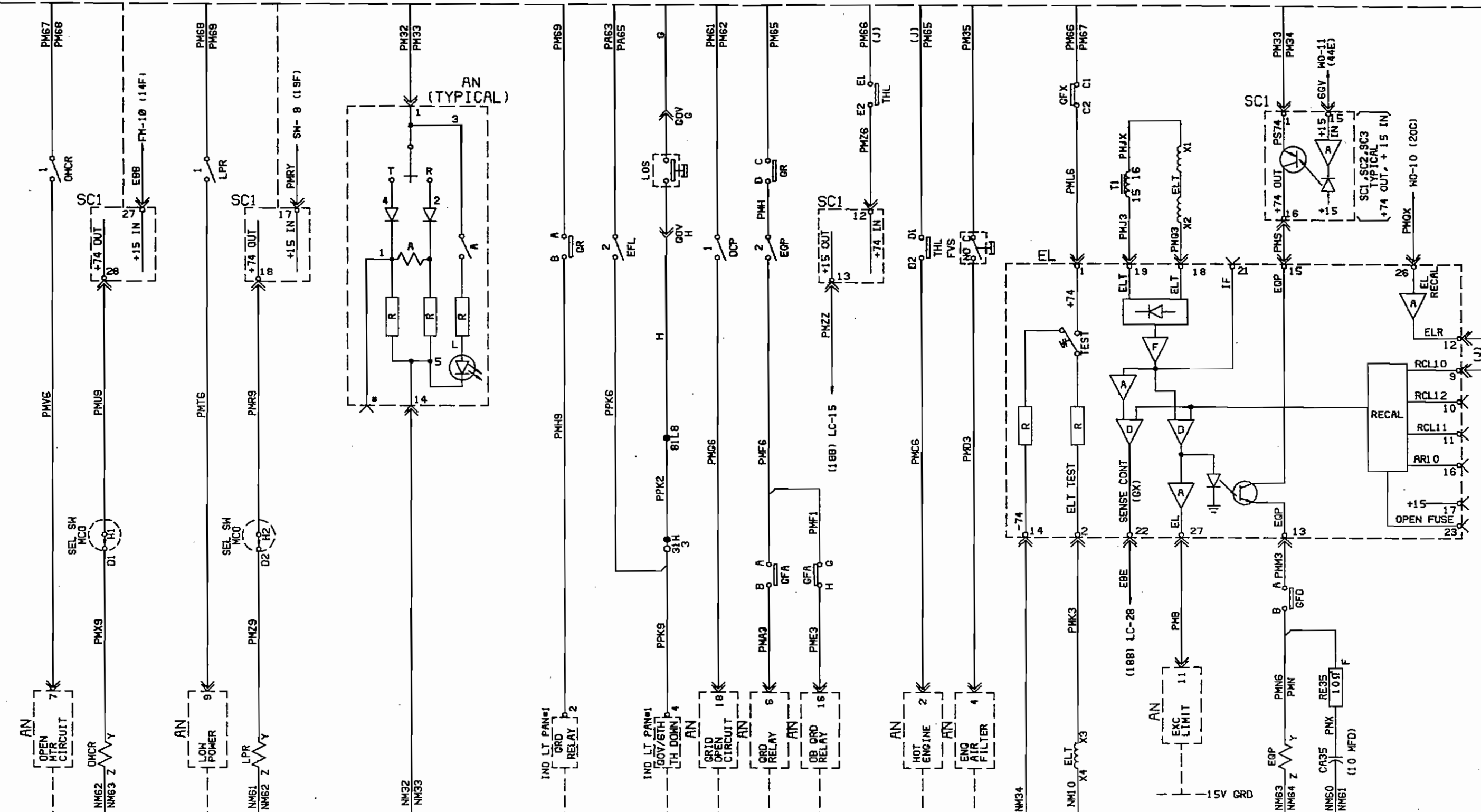


M
MOTOR CONNECT CONTROL

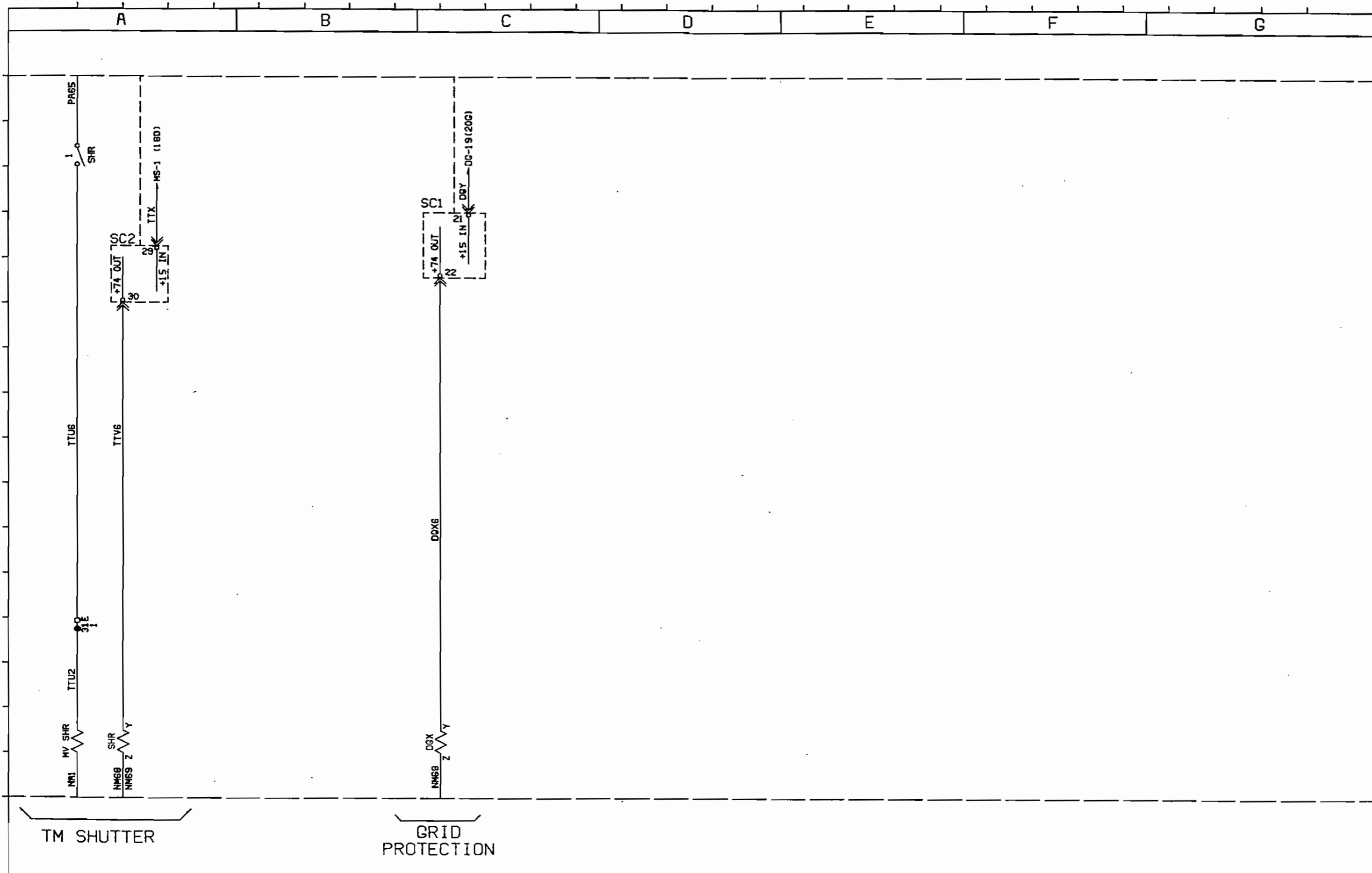
ML
TRACTION MOTOR CUTOUT CONTROLS



ENGINE COOLING CONTROL



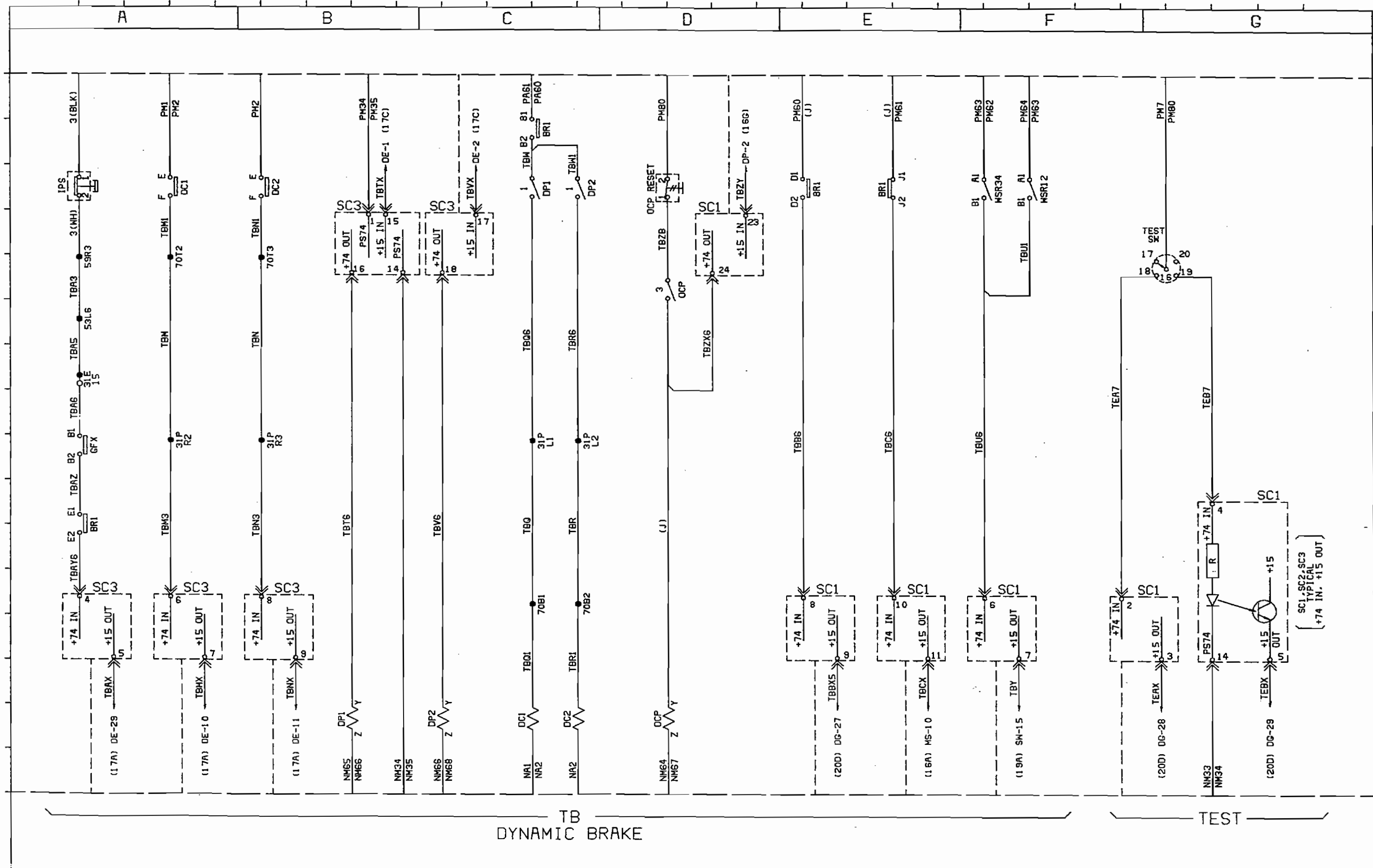
PROTECTION



TM SHUTTER

GRID PROTECTION

MODEL GP49-DE	ORDER NO 847035	PART NO WD02759	REV	SHEET 38 OF 59
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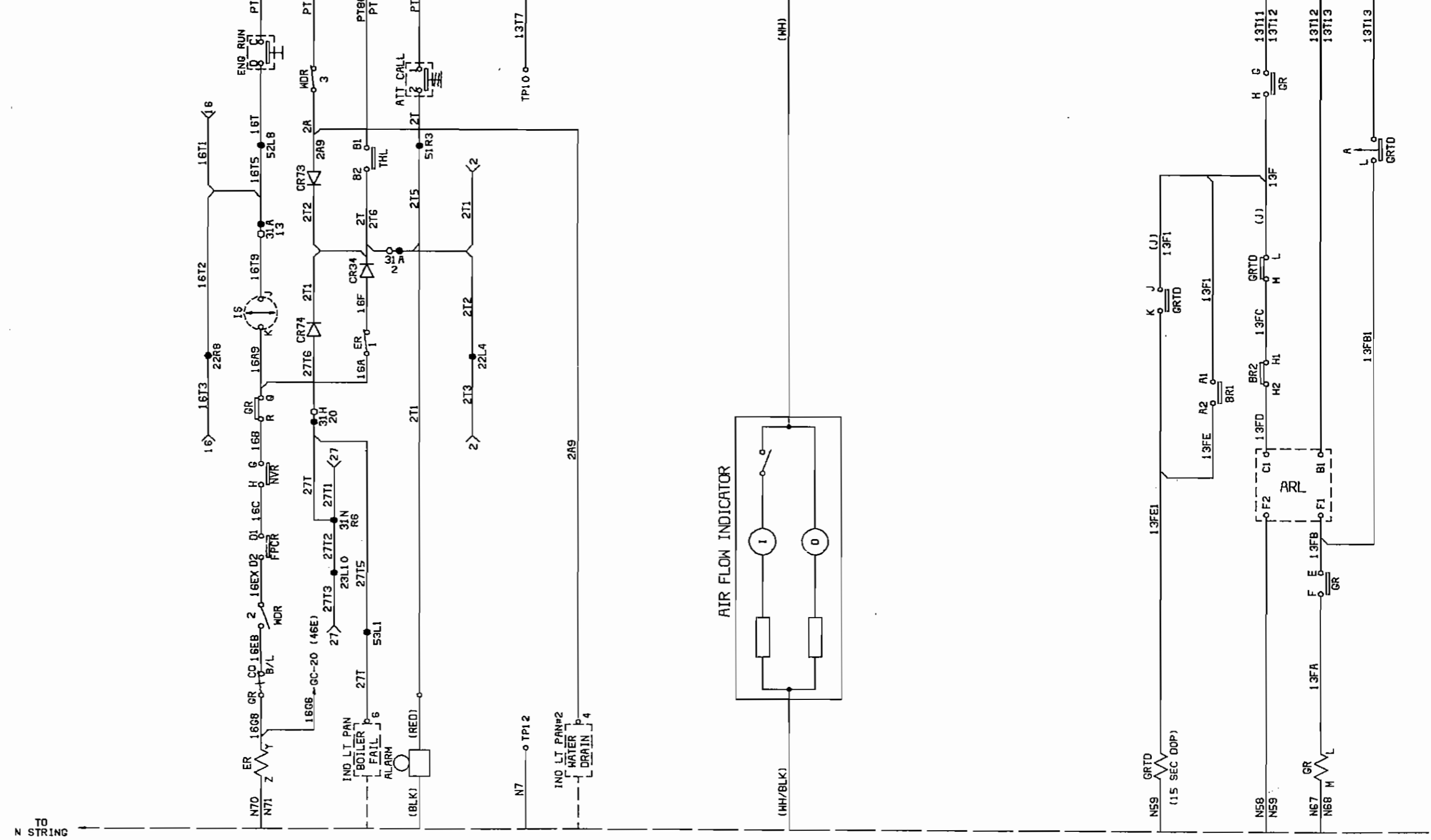


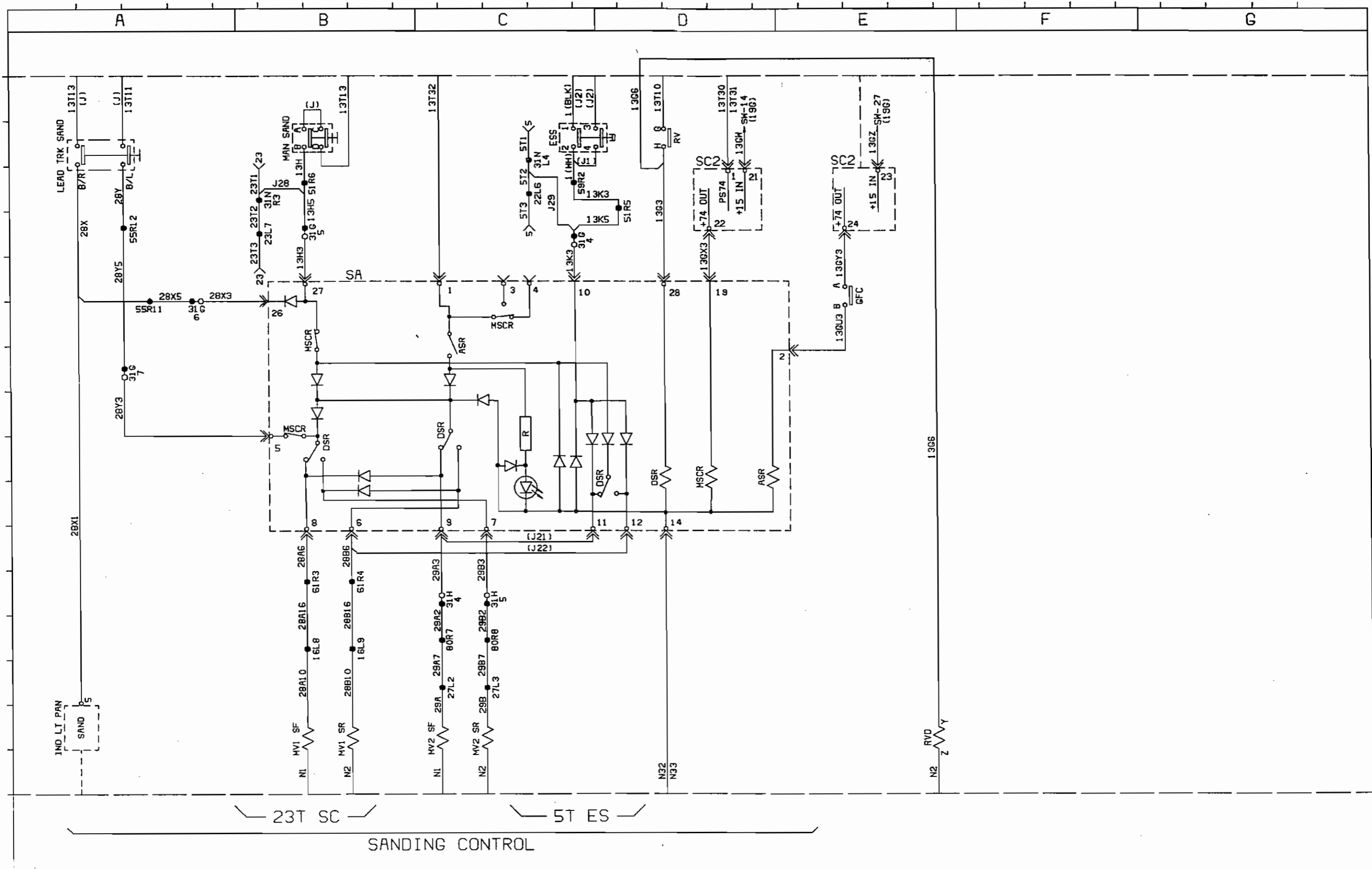
TO 13T STRING

TO N STRING

16T ENG. RUN
 27T BOILER ALARM
 2T FAIL

AUTO GRD RELAY RESET



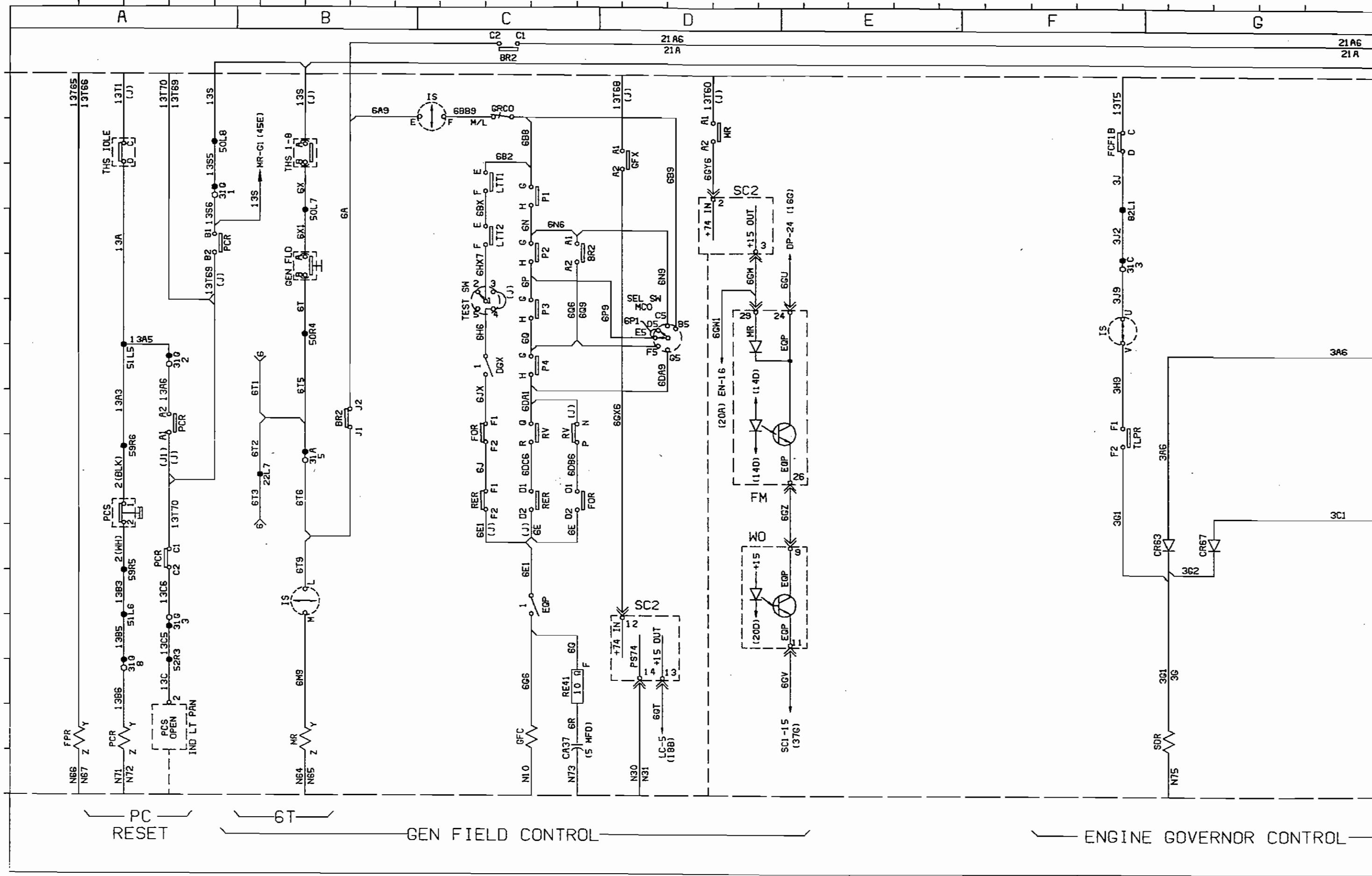


23T SC

5T ES

SANDING CONTROL

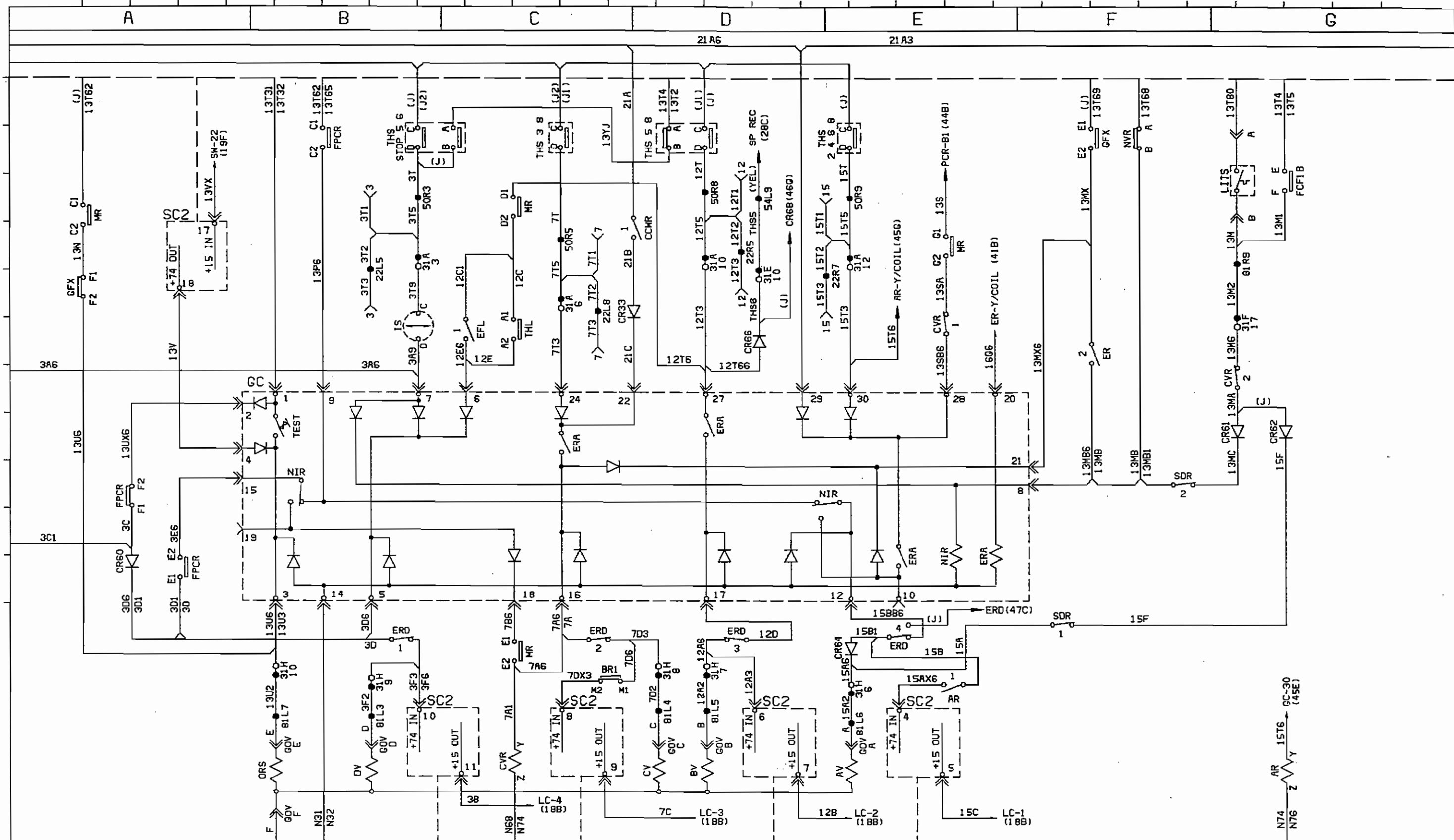
MODEL GP49-DE	ORDER NO 847035	PART NO WD02759	REV	SHEET 43 OF 59
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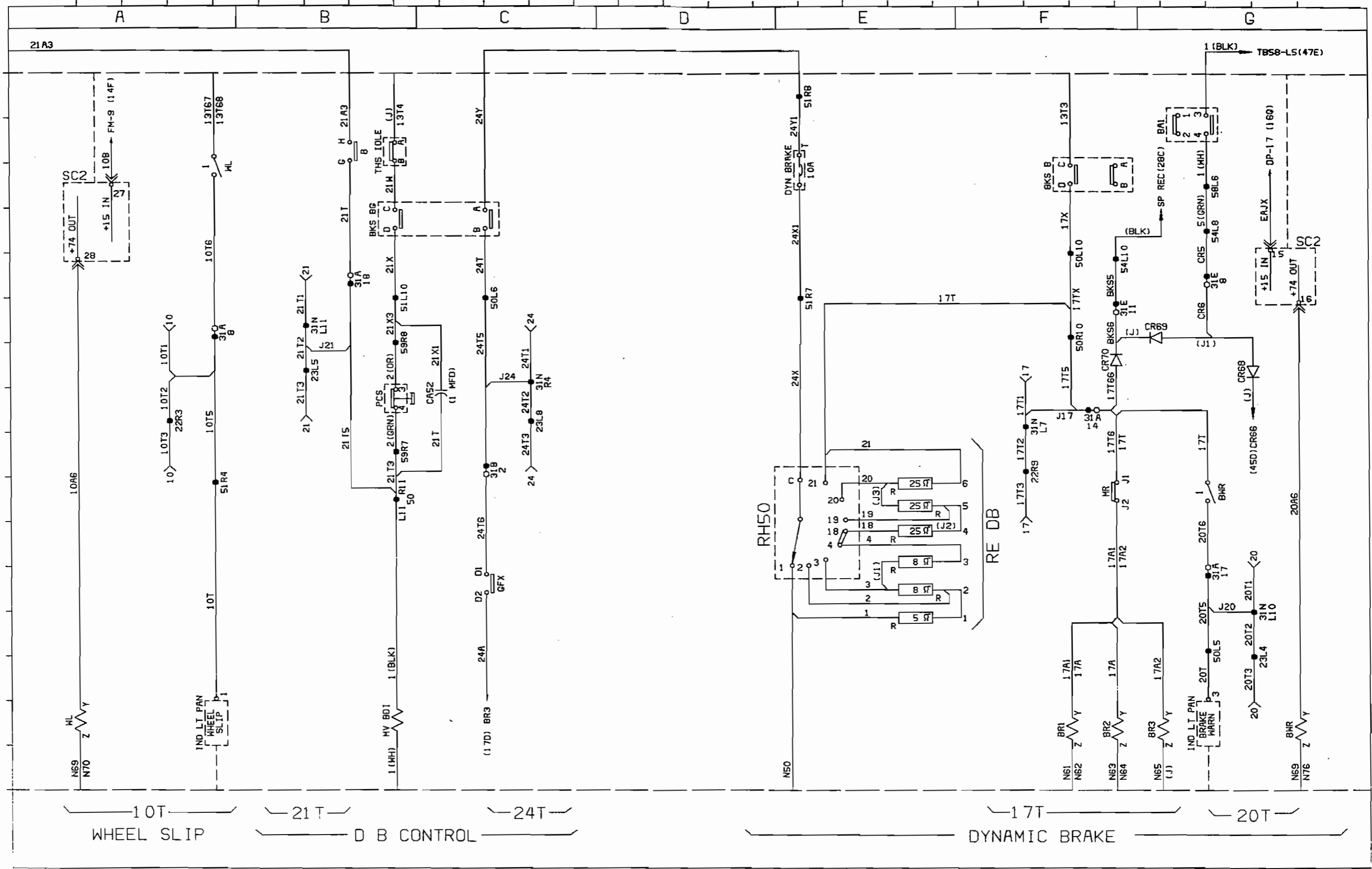
PC
RESET

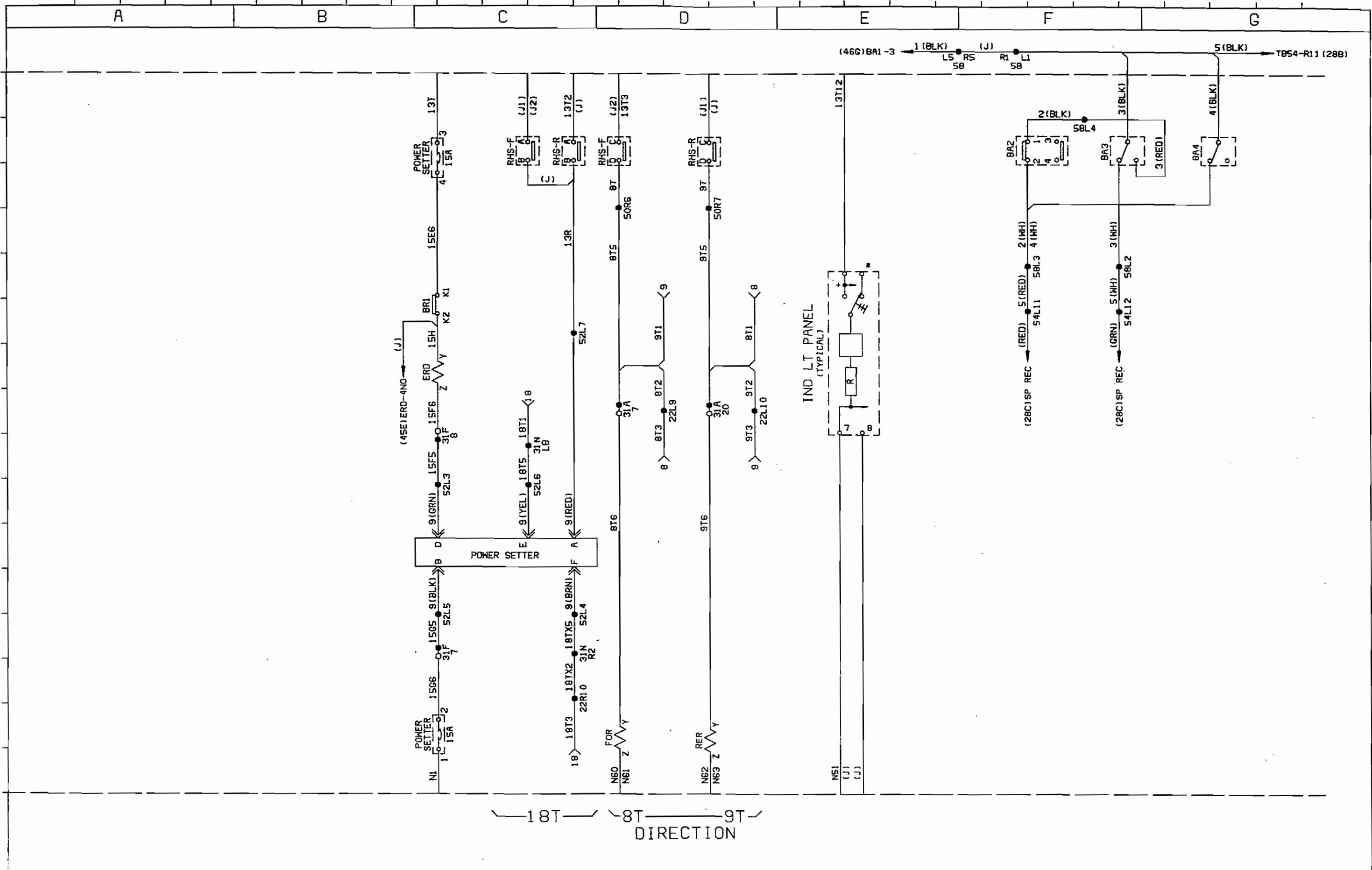
GT
GEN FIELD CONTROL

ENGINE GOVERNOR CONTROL



3T ENGINE GOVERNOR CONTROL 7T 12T 15T





A

B

C

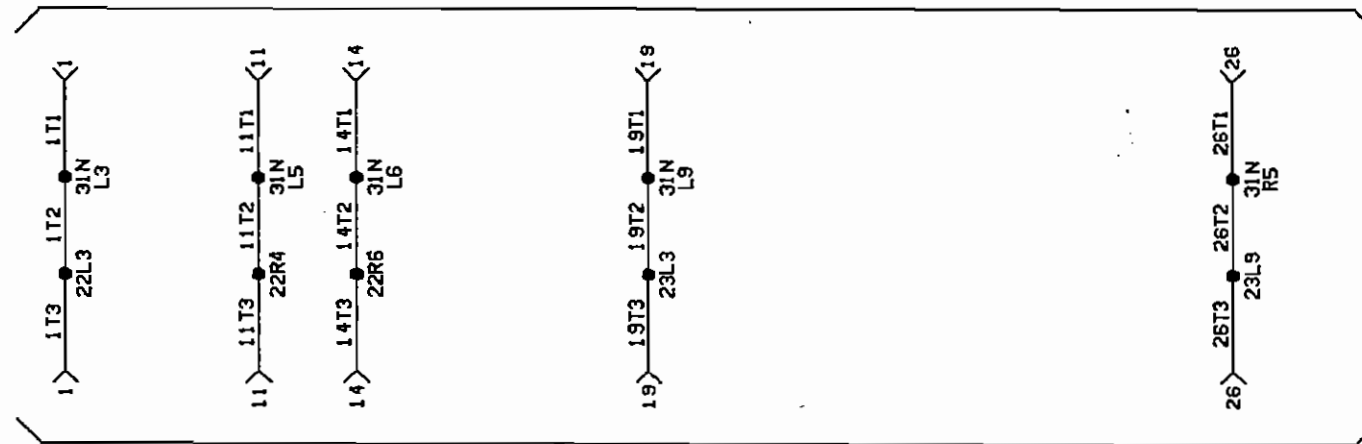
D

E

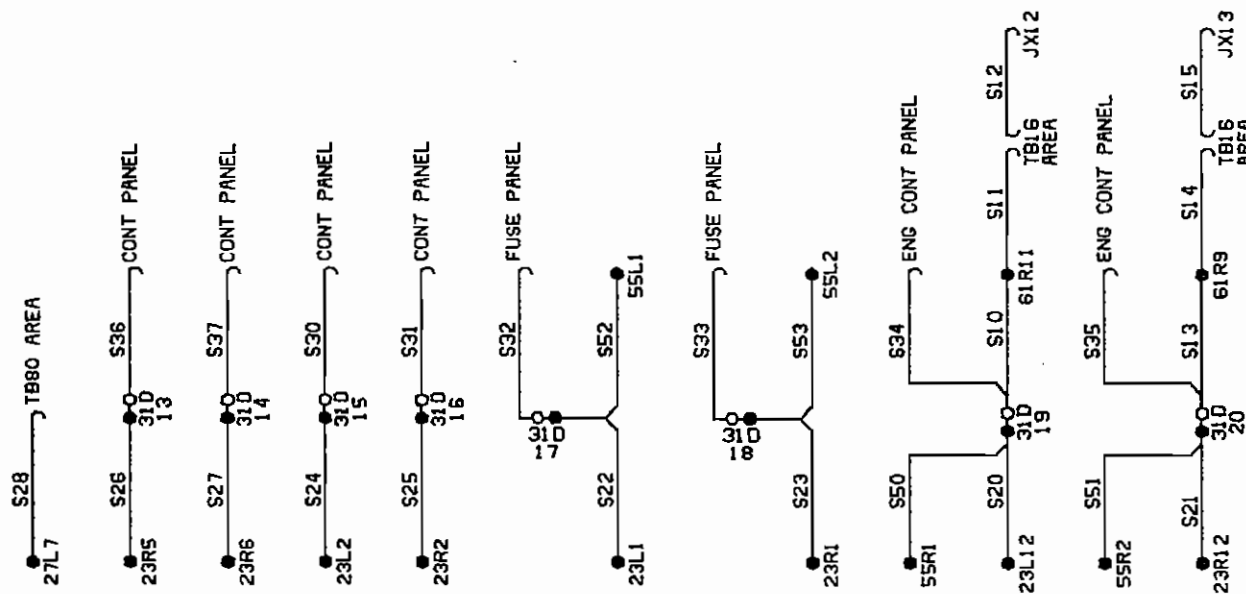
F

G

SHORT HOOD



LONG HOOD



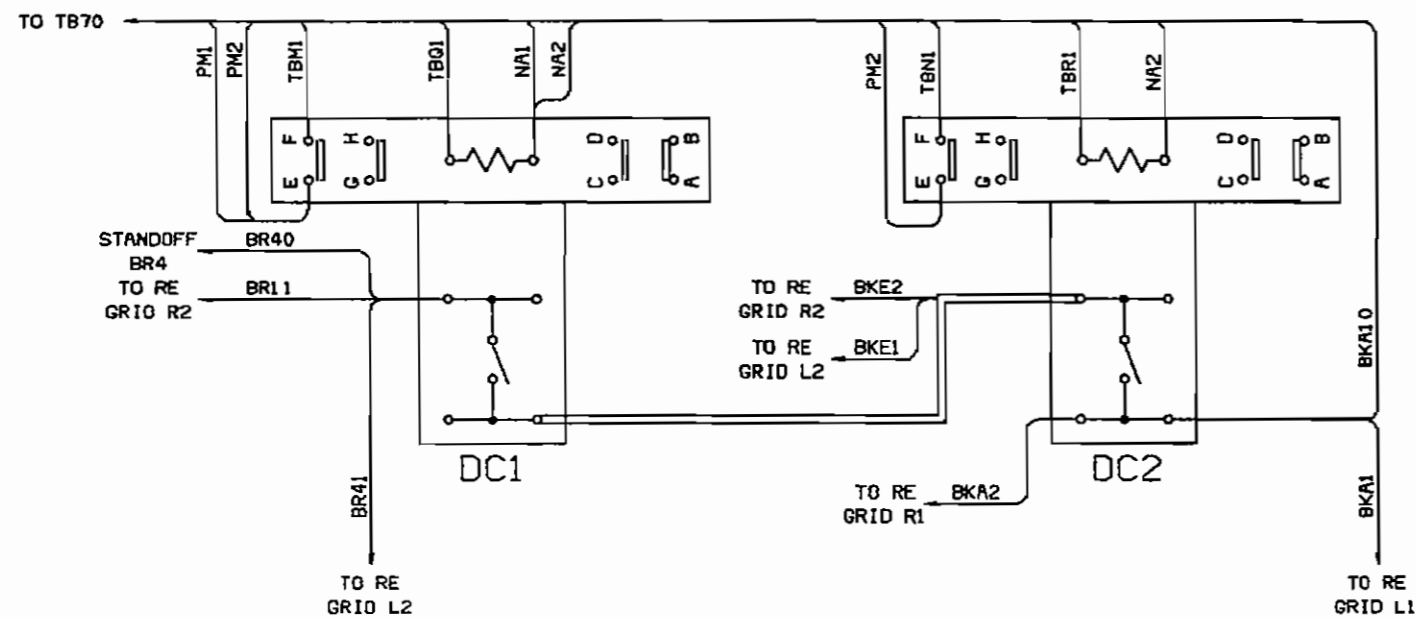


FIG C (SHEET 52)



SHORT HOOD

LONG HOOD

LIGHTING SYMBOLS

- (C) CAB LT 30W 75V
- (CL) CLASS LT 30W 75V
- (E) ENG RM LT 50W 75V
- (G) GROUND LTS 25W 75V
- (H) HOOD LT 30W 75V
- (N) NUMBER LT 25W 75V
- (P) PLATFORM LT 50W 75V
- (SL) STEP LT 25W 75V
- (W) WALKWAY LT 25W 75V

WIRE AND CABLE

SYMBOL	CABLE SIZE		DIAMETER		TYPE OF INSULATION	PART NO.
	AWG/CM	STRAND	OUTSIDE	BARE		
1E	#12 AWG	37/.0133	.180	.085	EXANE	8460547
1IE	14.950	37/24	.258	.148	EXANE	9094884
1IIE	36.760	91/24	.344	.234	EXANE	9094885
1VE	50.500	125/24	.395	.285	EXANE	9094886
VI	211.600	2100/30	.865	.640	EPR & HY	8421416
IXE	131.900	325/24	.688	.478	EXANE	9094888
8H	16.500	133/.0111	.340	.162	S.R.G & D	8443325
XIE	444.400	1100/24	1.068	.858	EXANE	9086285
XIH	444.400	1100/24	1.140	.916	S.R.G & D	8333126
XII	222.200	550/24	.910	.810	EPR & HY	8421209
XE	#14 AWG	37/30	.160	.073	EXANE	8460546
XXE	535.300	1325/24	1.260	.978	EXANE	8462288
XXFE	535.300	1325/24	1.215	.965	EXANE	9087013
XXIE	90.900	225/24	.528	.390	EXANE	9094887
XXVI	646.400	1600/24	1.470	1.060	EPR & HY	8421213
XXX	777.700	1925/24	1.570	1.120	EPR & HY	8421214
3H	#3 AWG	133/.0199	.480	.296	S.R.G & D	8376487
6H	26.200	133/.0140	.400	.216	S.R.G & D	8405158
16E	#16 AWG	19/29	.122	.058	EXANE	8466844
18E	#18 AWG	19/.0092	.108	.045	EXANE	8466845
16T	#16 AWG	19/29	.090	.063	TEFLON	8269142
14T2	#14 AWG	19/27	.158	.071	TEFLON	8338506
C2	#16 2 COND	65/34	.410	.059	NEOPRENE	8077432
T2	#16 2 COND	65/34	.390	.063	S.R.G. & D	8337786
W2	#14 2 COND	41/30	.530	.078	NEOPRENE	8077433
J3	#14 3 COND	41/30	.600	.082	NEOPRENE	8183415
T3	#16 3 COND	65/34	.440	.063	S.R.G. & D	8337787
#25	#25 AWG		.144		PLAS SHLD	8284005
RG 8/U	CO AXIAL		.405		PLAS SHLD	8121241
C5	#16 5 COND	65/34	.550	.059	NEOPRENE	8243381
14E	#14 AWG	37/30	.130	.075	EXANE	8470754
XIVE	313.100	775/24	.930	.720	EXANE	9094890
XXIE	592.800	1488/24	1.268	1.088	EXANE	9085669
S6	#20-6 COND	19/32	.492	.040	POLYHALO	9326022
HE2S	#16-2 COND	19/.0121	.412	.058	EXANE	9097022
16EG	#16 AWG	19/29	.122	.058	EXANE	9322292
18EG	#18 AWG	19/.0092	.108	.045	EXANE	9321021
18HE	#16 AWG	19/29	.139	.060	EXANE	9086254
18T2	#18 AWG	19/30	.094	.050	TEFLON	8453180
18	#18-2 COND	41/34	.310	.047	COTT & RUB	8198183

LEGEND

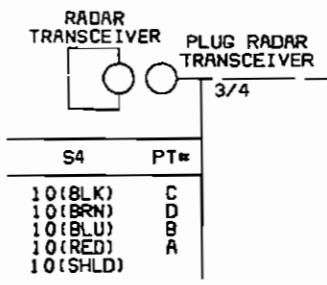
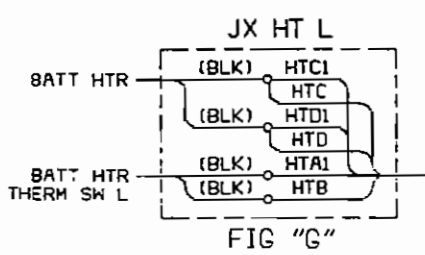
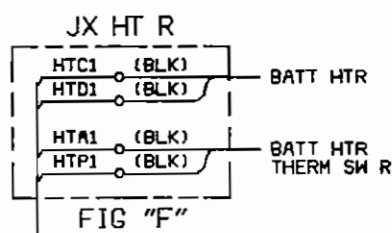
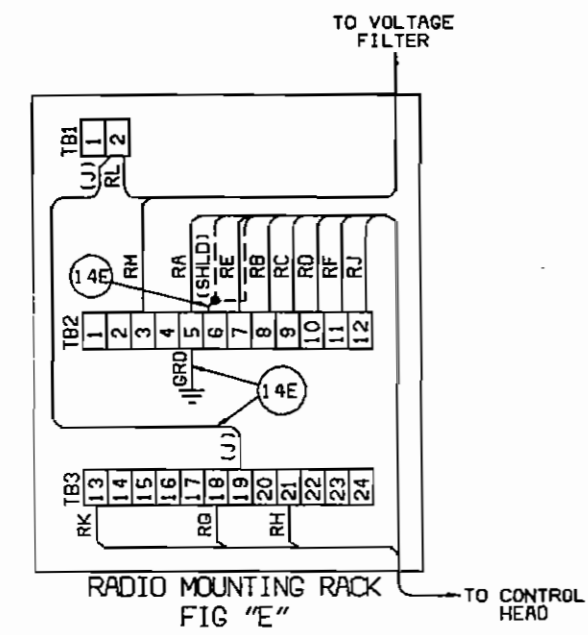
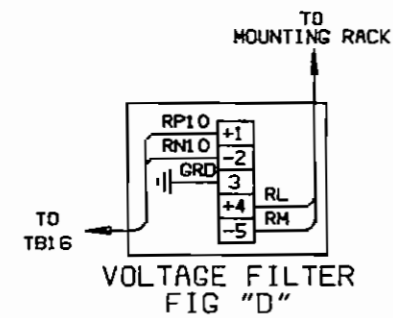
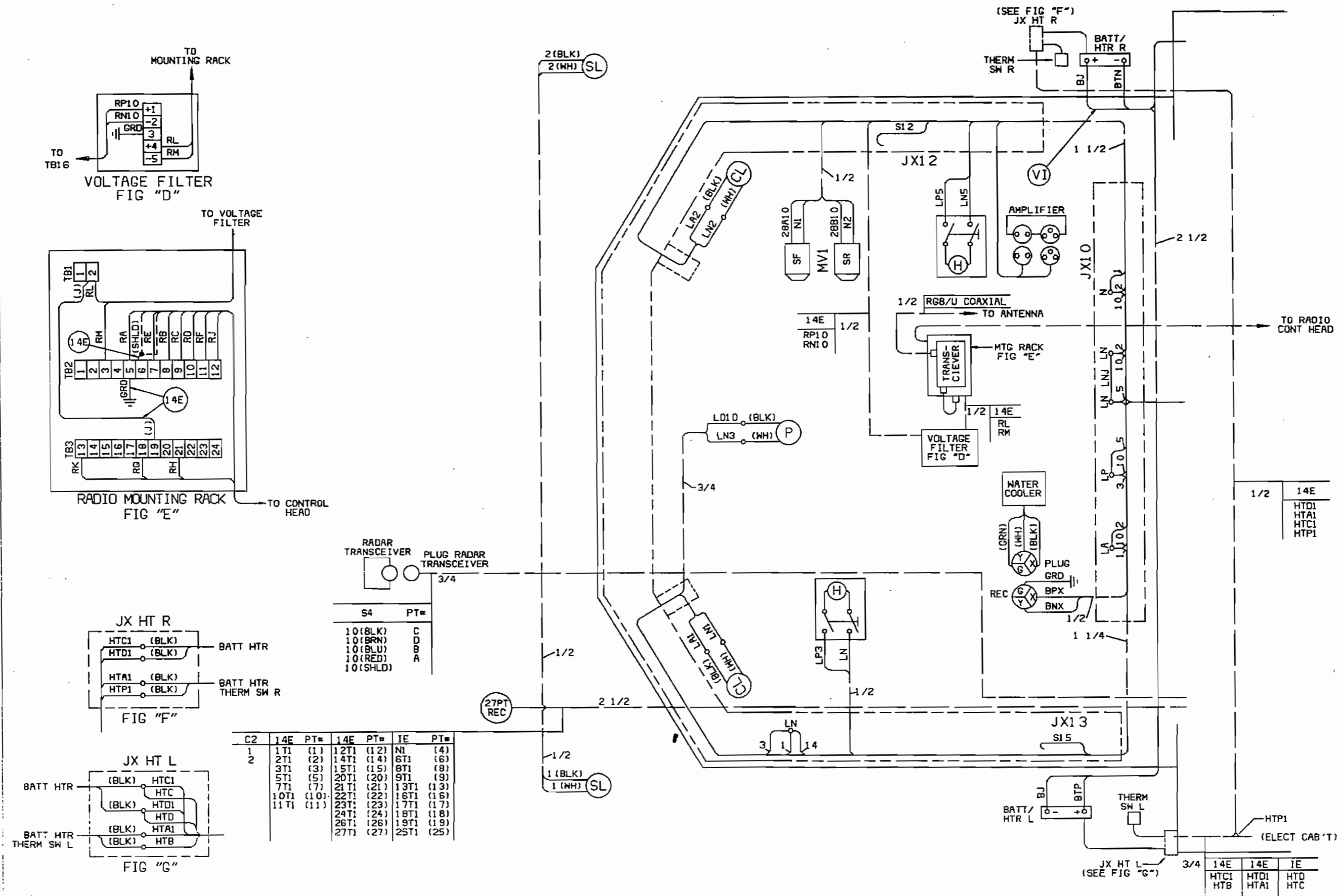
- ARROW INDICATES WIRE LEAVES ENCLOSURE
- CIRCLE INDICATES WIRES CONNECT TO TERMINAL BOARD OR SPLICE
- ⊙ REPRESENTS STANDOFF INSULATOR
- REPRESENTS CONDUIT

ALL SPLICES & CONNECTIONS ARE TO BE MADE IN FITTINGS & JUNCTION BOXES

NO SPLICES OF ANY KIND TO BE IN CONDUIT

USE SYMBOL 14E (8470754) IN CONDUIT DIAGRAM UNLESS OTHERWISE SPECIFIED

WIRE TAGS IN PARENTHESIS ARE NOT TAGGED

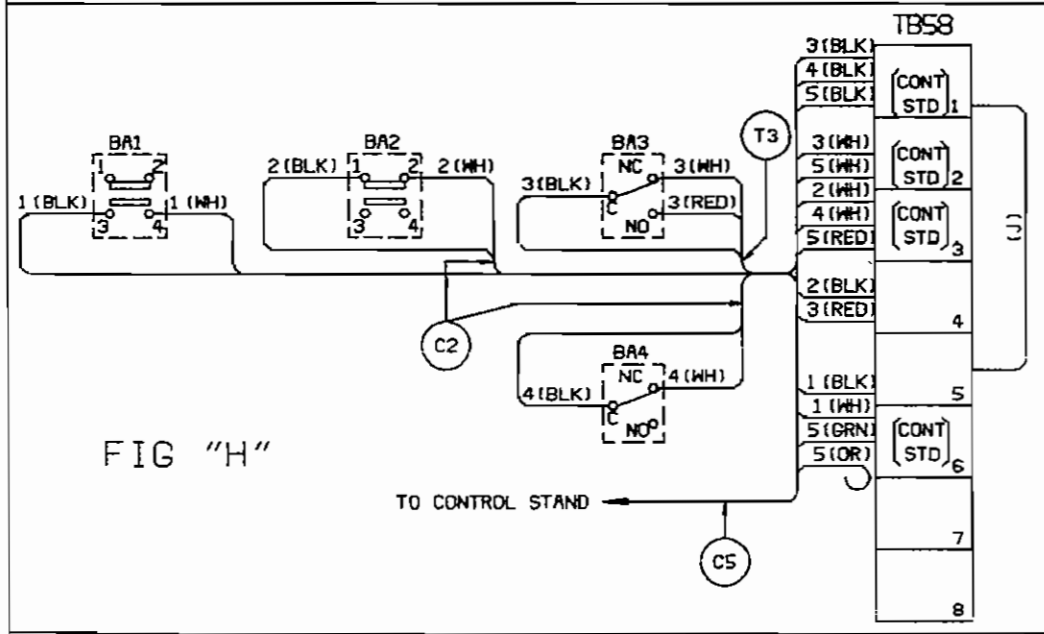
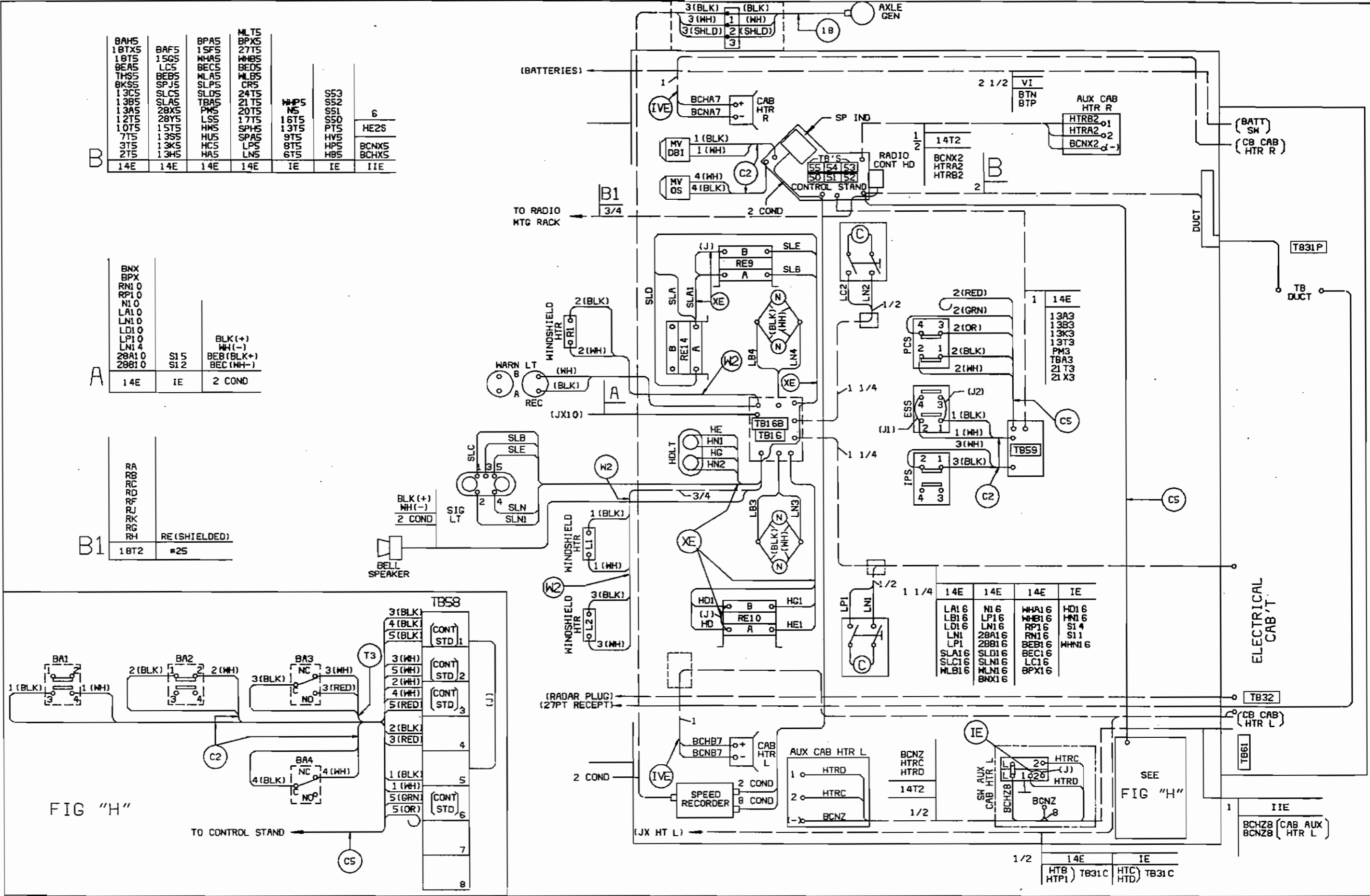


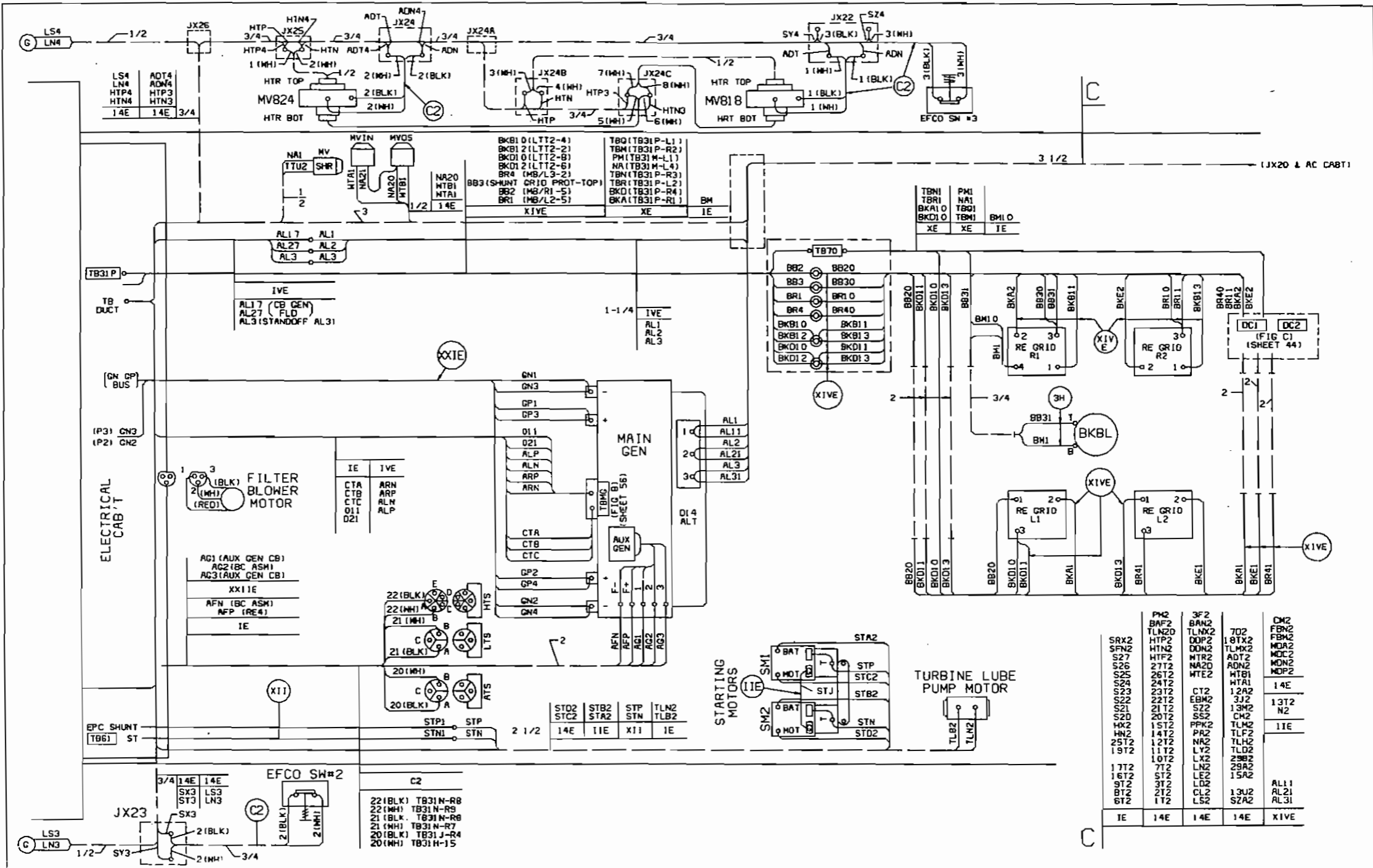
C2	14E	PT#	14E	PT#	IE	PT#
1	1T1	(1)	12T1	(12)	N1	(4)
2	2T1	(2)	14T1	(14)	8T1	(6)
	3T1	(3)	15T1	(15)	8T1	(8)
	5T1	(5)	20T1	(20)	9T1	(9)
	7T1	(7)	21T1	(21)	13T1	(13)
	10T1	(10)	22T1	(22)	16T1	(16)
	11T1	(11)	23T1	(23)	17T1	(17)
			24T1	(24)	18T1	(18)
			26T1	(26)	19T1	(19)
			27T1	(27)	25T1	(25)

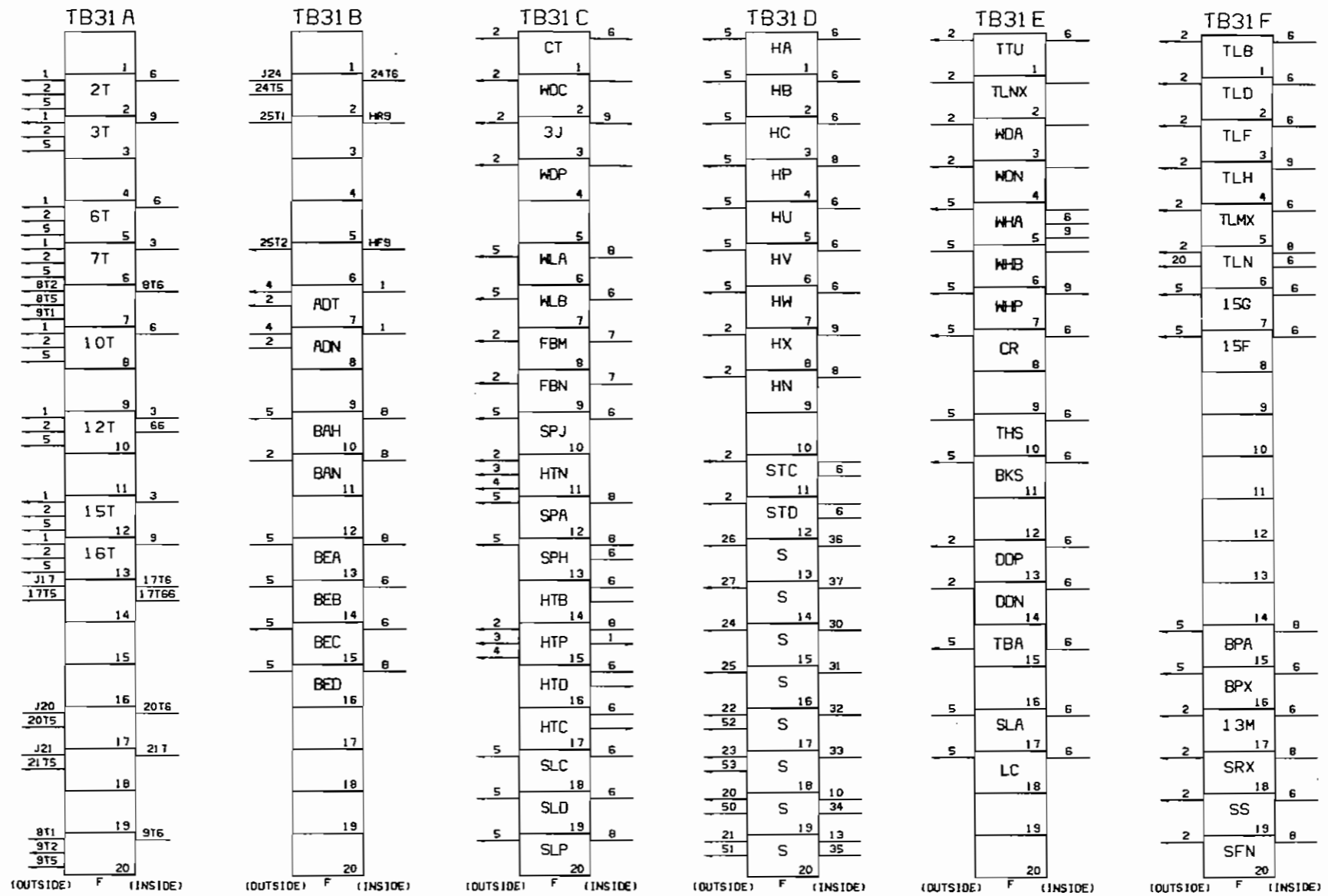
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18TX5	15G5	15F5	BPX5			
18T5	15G5	MHA5	27T5			
BEA5	LCS	BEC5	BED5			
TH55	BEB5	MLA5	MLB5			
8K55	SPJ5	SLP5	CR5			
13C5	SLC5	SLD5	24T5			
13B5	SLA5	TBA5	21T5			
13A5	28X5	PMS	17T5			
12T5	28Y5	L55	20T5			
10T5	15T5	HMS	SPH5			
7T5	13S5	HUS	SPA5			
3T5	13K5	HCS	LPS			
2T5	13H5	HAS	LNS			
14E	14E	14E	14E	1E	1E	1IE

BNX		
BPX		
RNI0		
RP10		
N10		
LA10		
LN10		
LD10		
LP10		
LN14		
28A10		
28B10		
14E	1E	2 COND

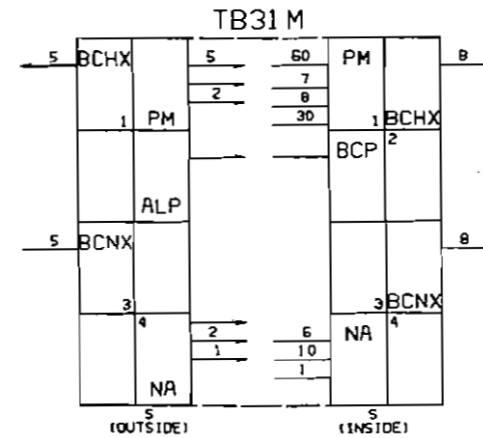
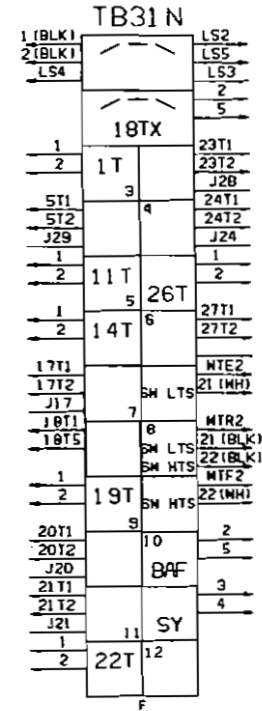
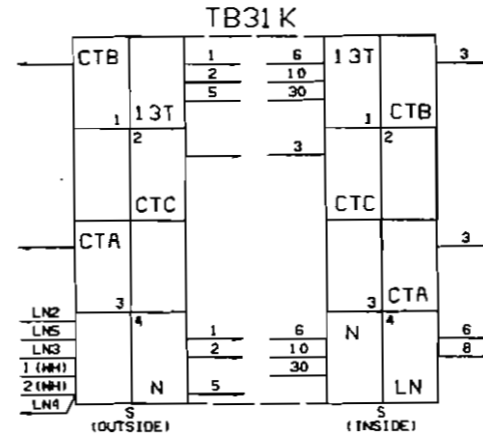
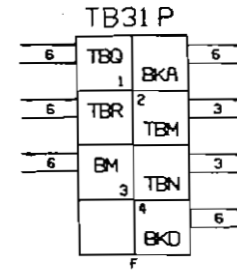
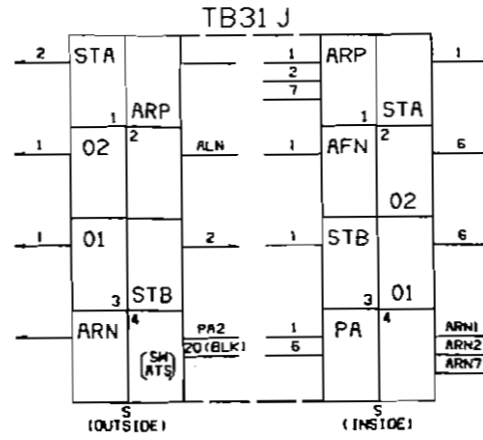
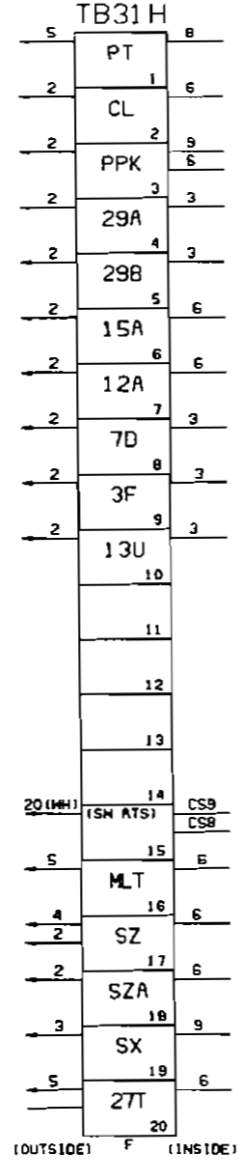
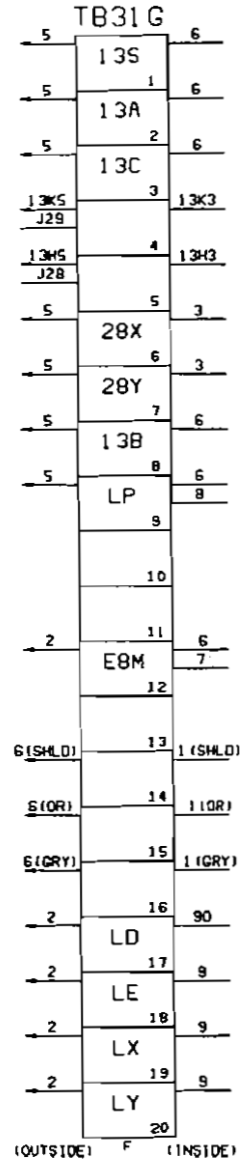
RA		
RB		
RC		
RD		
RE		
RF		
RJ		
RK		
RL		
RH		
1B72	#25	



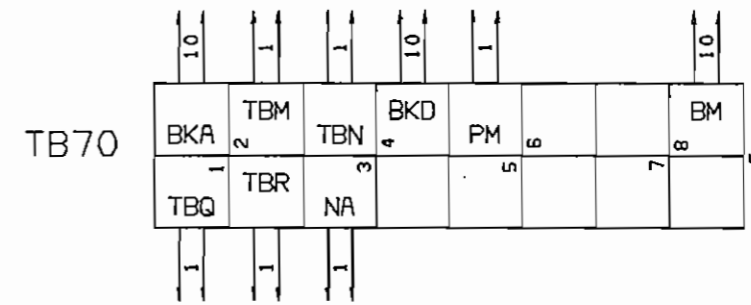
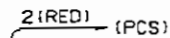
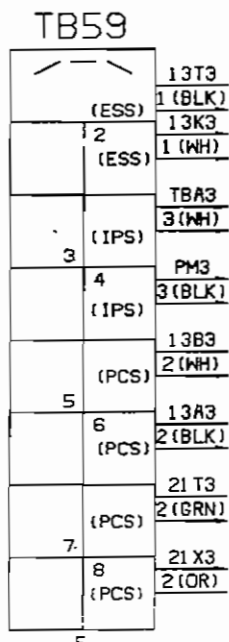
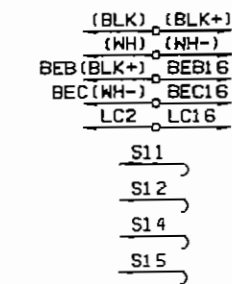
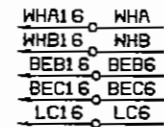
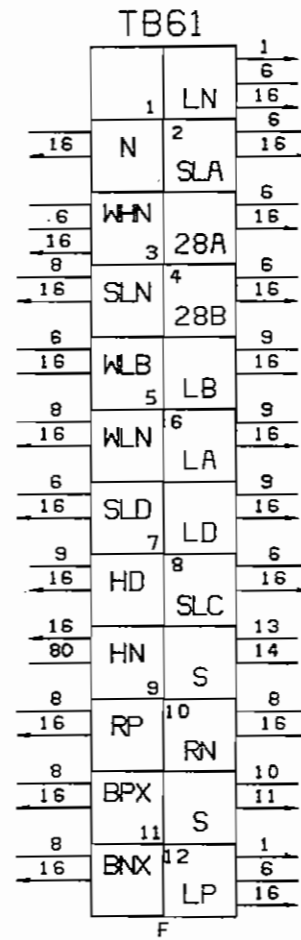
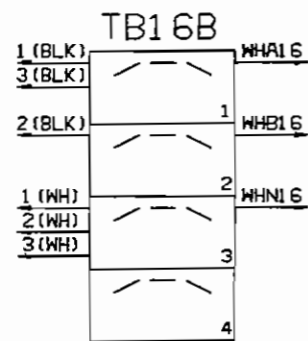
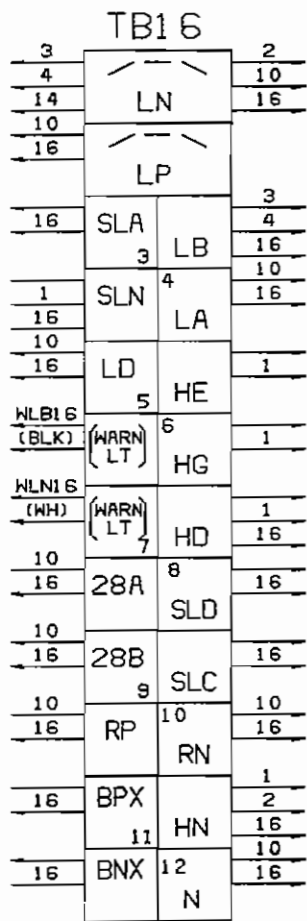
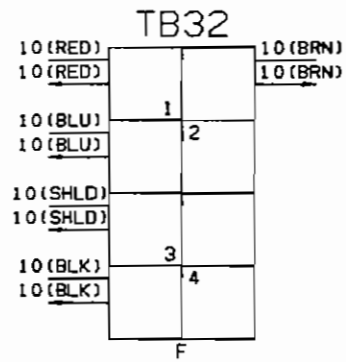




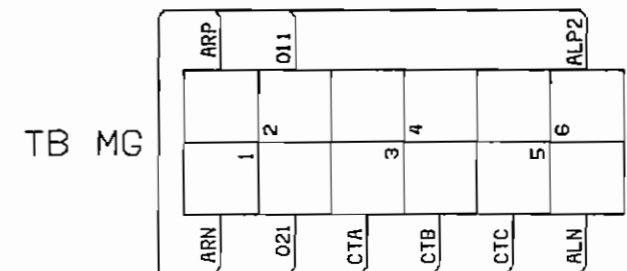
ELECTRICAL CABINET



ELECTRICAL CABINET



DB GRID HATCH



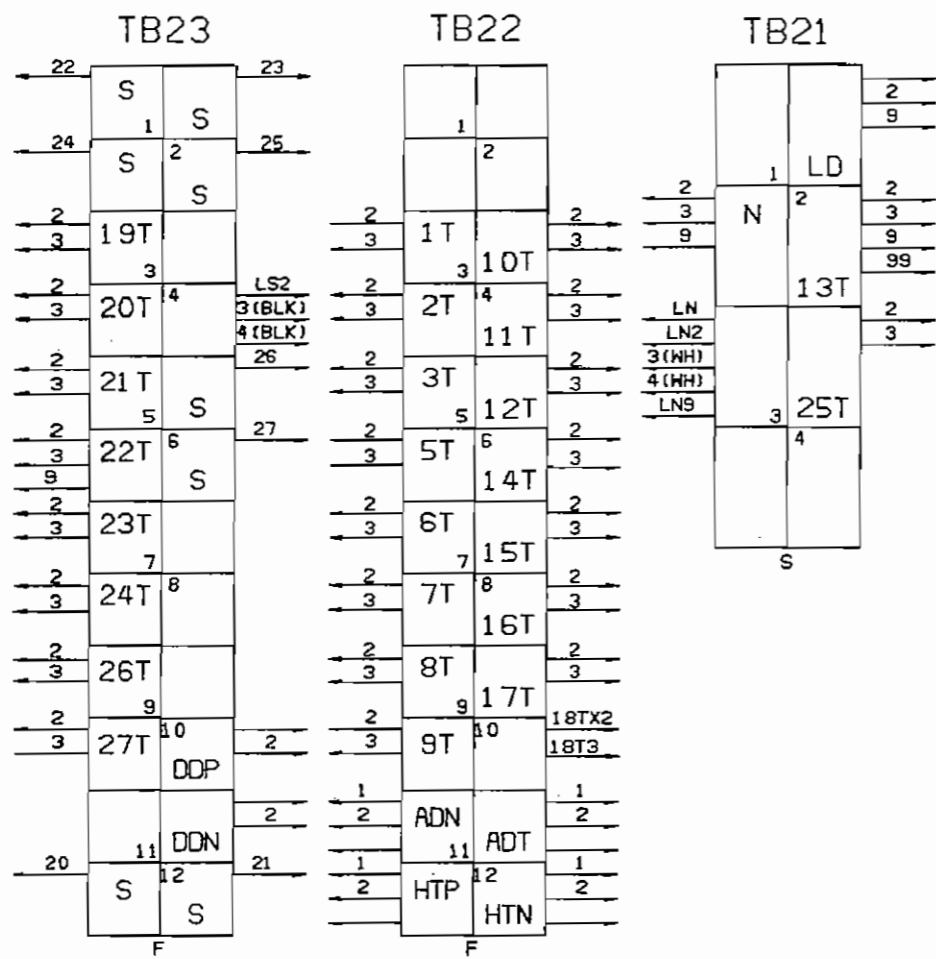
TO ELECT CABT

FIG "B"
(SHEET 52)

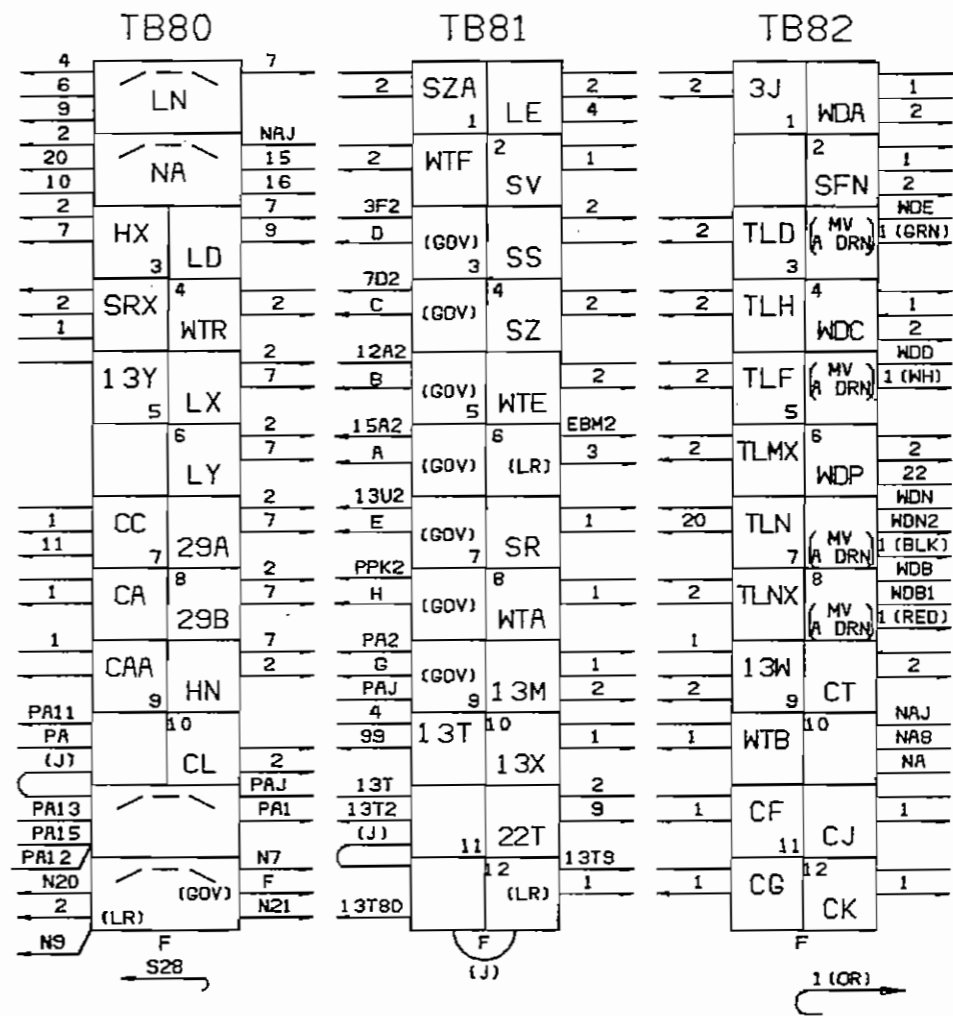
ELECTRICAL CABINET

CAB

SUB BASE



JUNCTION BOX 20



A C CABINET

