

A B C D E F G H J K L M N

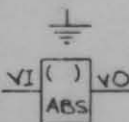
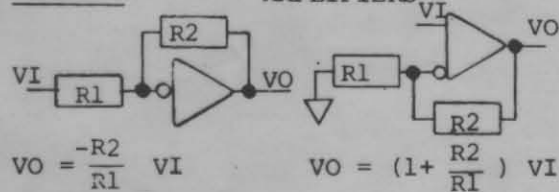
VOLTAGE POLARITIES SHOWN ARE FOR MOTORING DAI(+)

HARDWARE ABBREVIATIONS

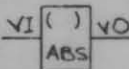
MCC MAIN CONTROL CARD
 IFC INTERFACE CARD
 PSC POWER SUPPLY CARD
 SCR THYRISTOR ASSEMBLY
 DGC DIAGNOSTIC CARD
 MFC MOTOR FIELD CONTROL
 MFE MOTOR FIELD EXCITER
 MDR MODIFICATION RACK
 ACC AUXILIARY CONTROL CARD

SYMBOLS

AMPLIFIERS



CASE GROUND



VO = SIGN () X ABSOLUTE VALUE OF VI

STAB ON TERMINAL

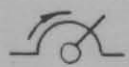


TERMINAL AT 2TB, 3TB, 4TB, RTB.

EX: 9 [2] - 2TB9; X2 [R] - RTBX2



TERMINAL AT T.B.'s



POTENTIOMETER ARROWS ON THE CARD
 ELEMENTARY DIAGRAMS INDICATE THE
 WIPER DIRECTION AS THE POTENTIOMETER
 SHAFT IS ROTATED CLOCKWISE TO INCREASE
 FUNCTION.



THESE RESISTORS ARE CRIMPED IN WIRE
 HARNESS.

FUNCTION	USE	LOC	JUMPERS
60HZ		MFC	ZA-ZB (IF USED)
50HZ		MCC	HZA - PHA
IOC-400%			(NONE)
-500%		IFC	I - IHI
-300%		IFC	I - ILO
SR5 - 9v			(NONE)
9 - 20v		MCC	SRH - COM
JOGR 10v			(NONE)
20v		MCC	JH - COM
LT. 3-7sec			(NONE)
2 - 60sec			332Ω FROM LTI TO COM
VREG			NT-CEMF CC-COM
DC TACHO			(NONE)
AC TACHO		MCC	AT1 - AT2
TACHO FILT		IFC	TC - TC
TACHO V.		IFC	NT-NT1 PT - PT1
24-64vdc		IFC	NT-NT1 PT - PT1
27-71vac		IFC	NT-NT2 PT - PT2
60-160vdc		IFC	NT-NT2 PT - PT2
66-177vac		IFC	NT-NT2 PT - PT2
110-300vdc		IFC	NT-NT3 PT - PT3
120-300vac		IFC	NT-NT3 PT - PT3
G134 G256		IFC	MFC OR MFE
1.7		MF	NONE
1.3		MF	YB - YD
2.4		MF	YA - YB
4.0		MF	YA-YB, YC-YD
7.0		MF	YA - YC
13		MF	YA-YC, YB-YD
13		MF	YA-YC, YB-YD
L/R < .25S		MFC	QA - QB
INH RUN		DGC	D1-D2 (IF USED)
INH DRV CL		MCC	DC1 - COM
FUSELESS		ACC	CFY - CFX
DRV CL			
200%		MCC	DCX - DCY

SIGNAL DEFINITIONS AND LOCATIONS

SEE DIAGRAM 906P118CY

* CEMF COUNTER EMF (16)
 * CFB CURRENT FEEDBACK (16)
 CMFA ABSOLUTE VALUE CEMF (08)
 CRM CROSSOVER MODIFY (11)
 DFP DELAYED FIRING POWER (25)
 * DR DRIVER REFERENCE (33)
 * EAO ERROR AMP OUTPUT (33)
 EST EXTERNAL FLT STOP INPUT (14)
 FALT FAULT (14)
 * FC FIELD CURRENT (NS26)
 FDR FIELD DIAGNOSTIC REFERENCE (08)
 FEA FIELD ECONOMY ADJUST (25)
 FF FIELD FAULT (28)
 IABS MOTOR CURRENT ABSOLUTE (09)
 ILA CURRENT LIMIT ADJUST (23)
 IMET CURRENT SIGNAL FOR METER (10)
 * IPU INITIAL PULSE (20)
 * LR LOCAL REF. FROM DGC (33)
 * JOG JOG SWITCH INPUT (23)
 * JOGR JOG REFERENCE INPUT (31)
 * MAC MAX/MA CONTROL SIGNAL (20)
 MSW MODE SWITCH (30)
 * OSC OSCILLATOR (17)
 * PCR PHASE CONTROL REF. (26)
 * PRE DRIVE PRECONDITION (21)
 ØSEQ PHASE SEQUENCE (14)
 RERR REGULATOR ERROR (27)
 RIJ INTEGRATOR SUMMING JUNCTION (27)
 RJ REGULATOR SUMMING JUNCTION (31)
 RRA REGULATOR RESPONSE ADJUST (30)
 RSET RESET (16)
 * RTR READY TO RUN (16)
 * RUN RUN SWITCH INPUT (21)
 * SA-C PHASE SYN OUTPUT (16)
 * SFB SPEED FEEDBACK (20)
 SMET SPEED SIGNAL FOR METER (12)
 * SR SYSTEM REFERENCE INPUT (29)
 * SYS SYSTEM FAULT TRIP (13)
 * TA OUTPUT FOR TACHO TRIP ADJUST (20)
 TF TACHO FAULT (NS28)
 * TFB TACHOMETER FEEDBACK (20)
 TFR AC TACHO FREQUENCY OUTPUT (13)
 * TR TIMED REFERENCE (33)
 * VFB VOLTAGE FEEDBACK (19)
 * WFR WEAK FIELD REFERENCE (20)

(* - TEST POINT ON DOOR FRONT)

MAPPING SYSTEM

(NS/PS/TS) PS - PAST SHEET
 NS - NEXT SHEET
 TS - THIS SHEET

HENCE (PS-12) DENOTES LOCATION ON PAST SHEET LINE 12. OTHER LOCATIONS ARE
 DENOTED BY SHEET NUMBER AND LINE? E.G. (1A16) SIGNIFIES LOCATION ON SHEET
 1A, LINE 16 ETC.

NOTE: FIELD EFFECT TRANSISTOR: THE
 CLOSED/OPEN (I/O) STATE OF THESE
 SWITCHED FOR "PRECONDITION" - "RUN"
 OR JOG" - "DIAGNOSTIC STATIC" -
 "DIAGNOSTIC RUN" IS SHOWN BY A
 FOUR DIGIT WORD WITH STATE SEQUENCE.

READ IN CONJUNCTION WITH DIAGRAM 902M118CY

CMA - COM

CRS - COM

MFC DM22 IF

MCC DMI -ILA

MCC DM8 RS

TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	DATE	8 6 84	HOIST AND LONG TRAVEL				IDENT		
							TECHN.	M4B WILD (BOSTON)				DR SH		
							ENG.	GO NUMBER 404902				ELEMENTARY DIAGRAM 902M128BB		
							APPD.	2				2		
							VARIABLE SPEED DRIVES OPERATION, BRIGHTON, ENGLAND.							

A B C D E F G H J K L M N

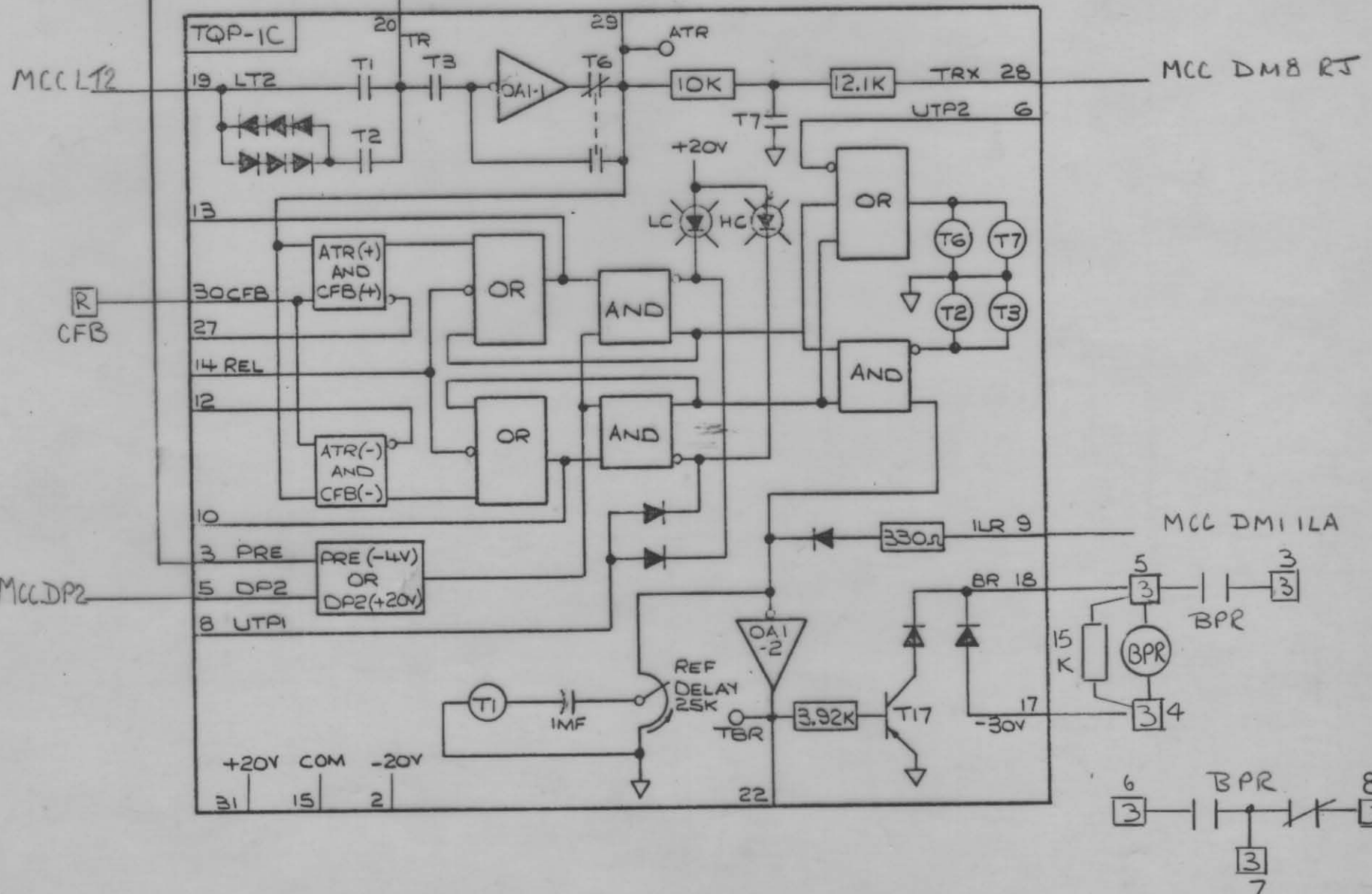
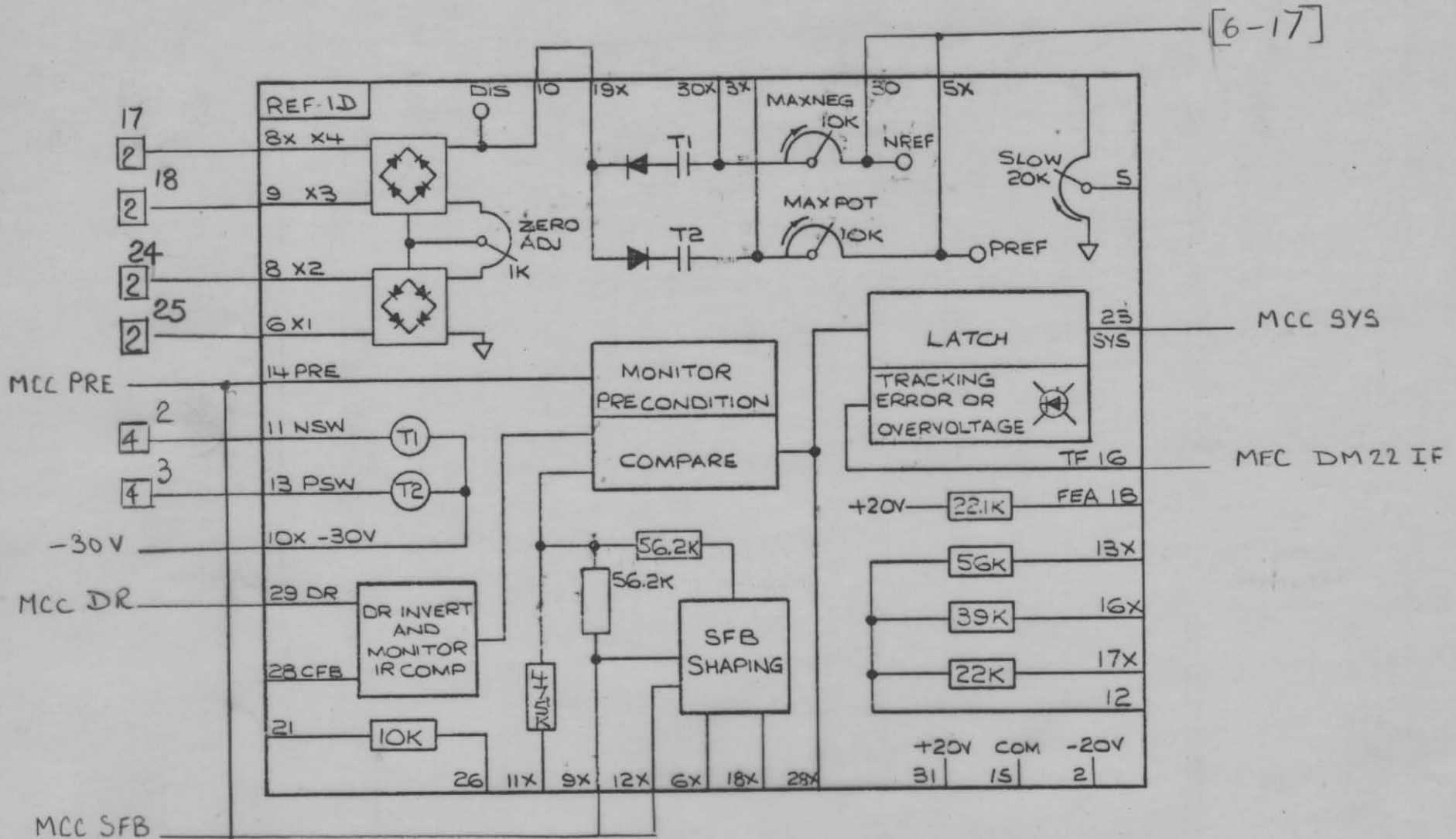
DR

SH

CONTO.

ELEMENTARY DIAGRAM

902M128



TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	DATE
						8.6.84
			TECHN.			
			ENG.			
			APPD.			

ALLENWEST

Simplex

VARIABLE SPEED
DRIVES OPERATION,
BRIGHTON, ENGLAND.REFERENCE AND TORQUE PROVING
CARDS

HOLT / LT

GO NUMBER
404902ELEMENTARY DIAGRAM
902M128BBCONTO.
4

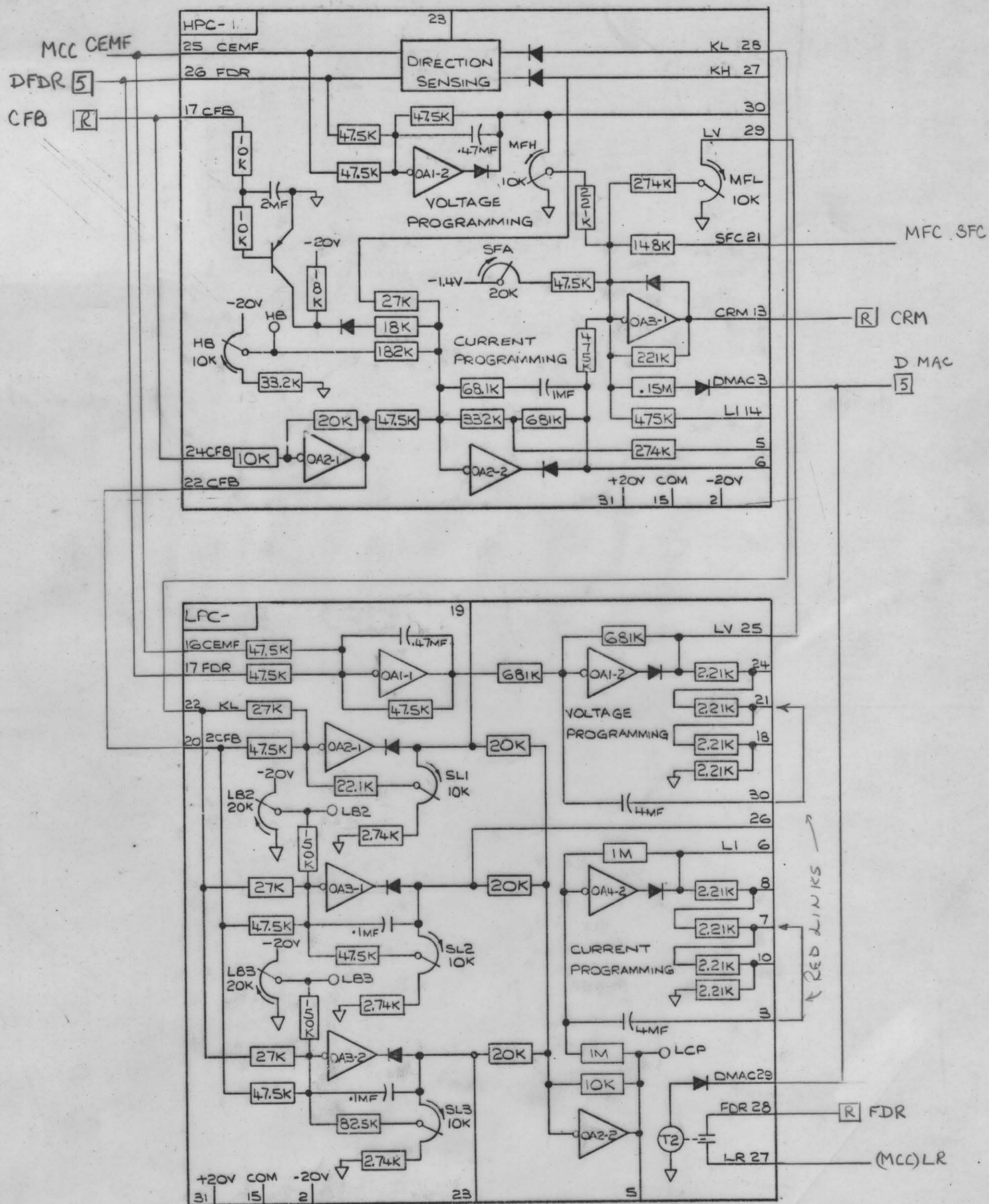
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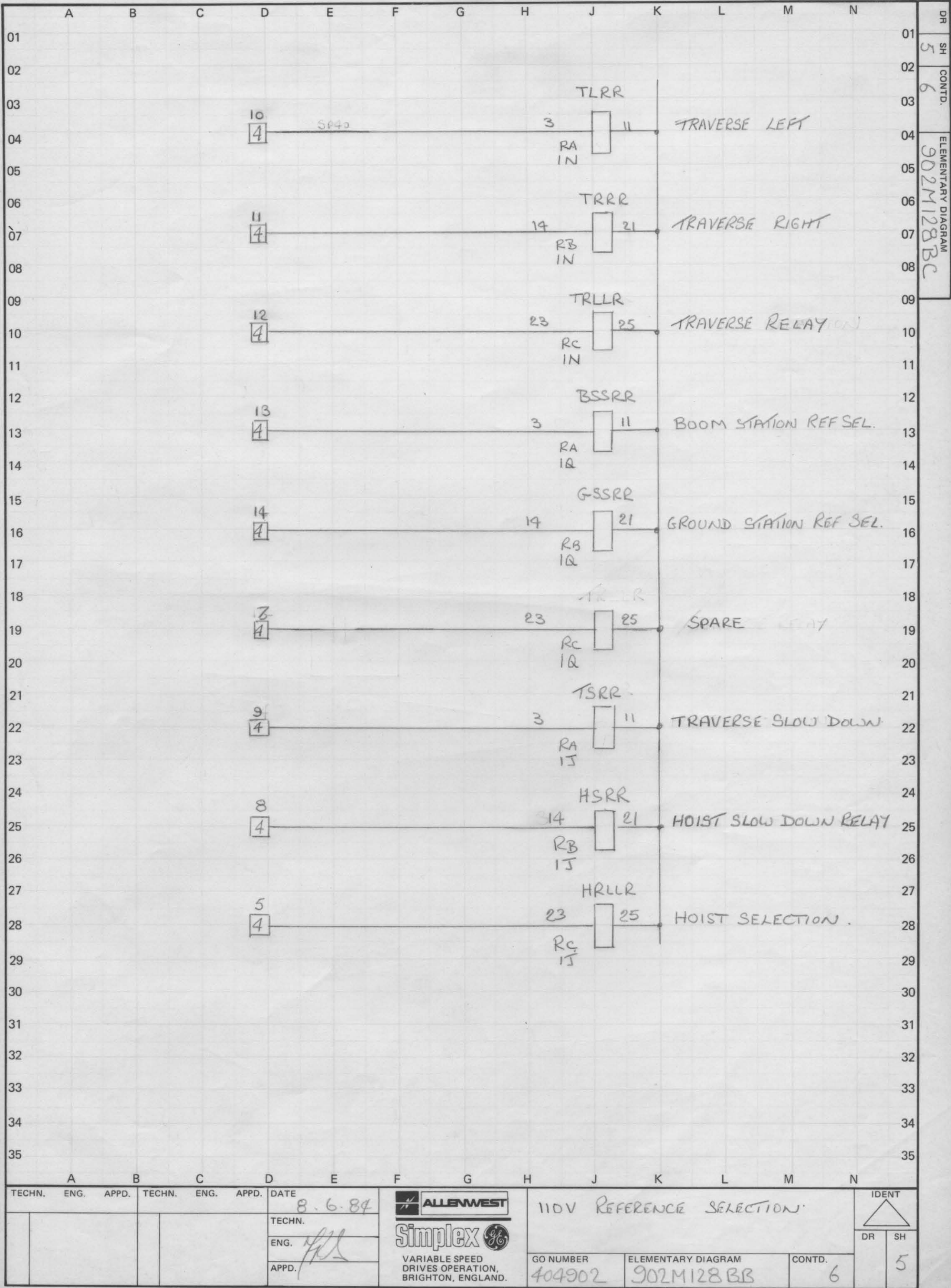


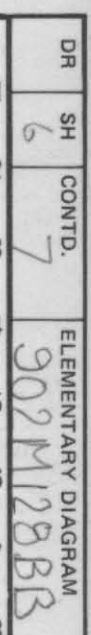
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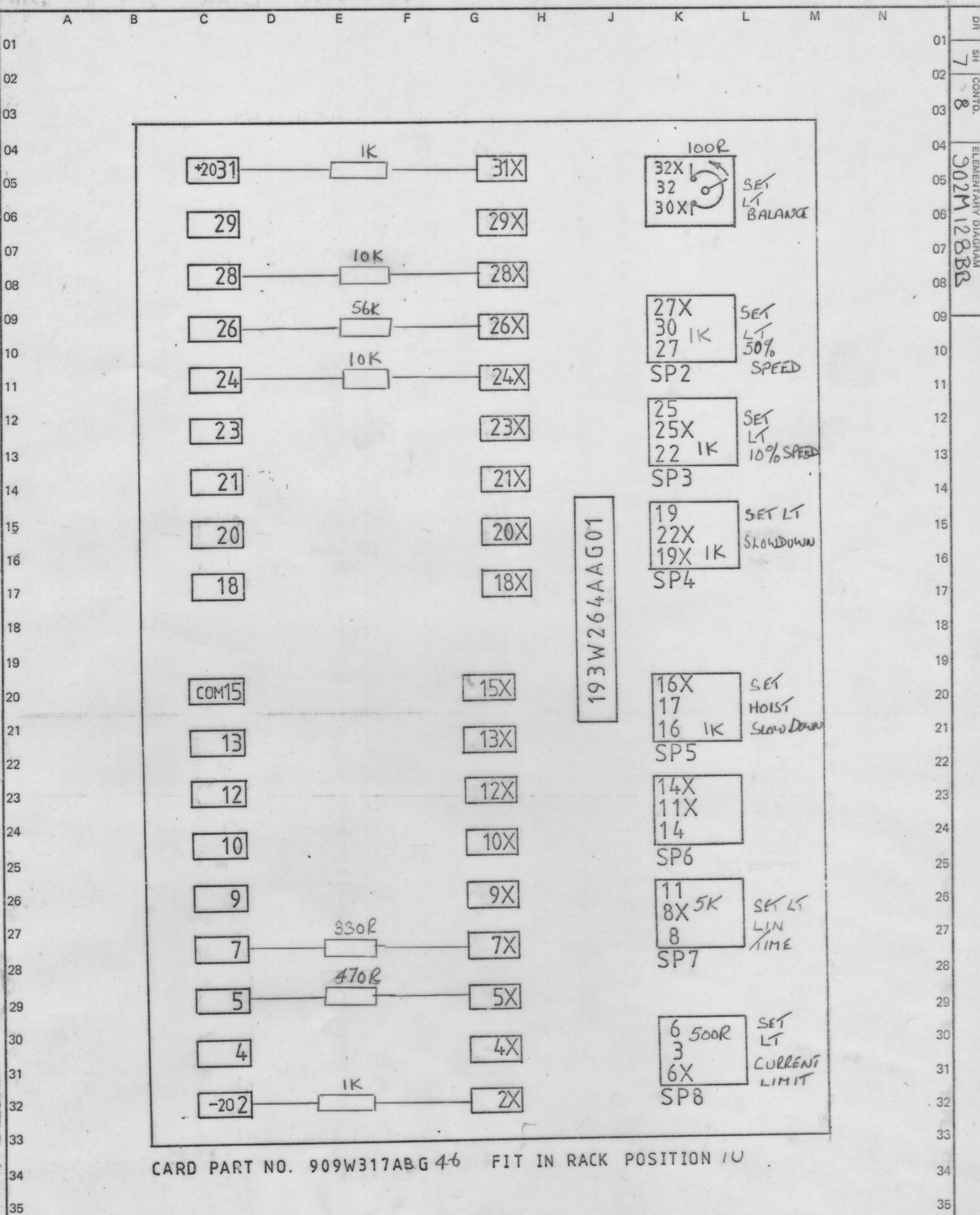
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3



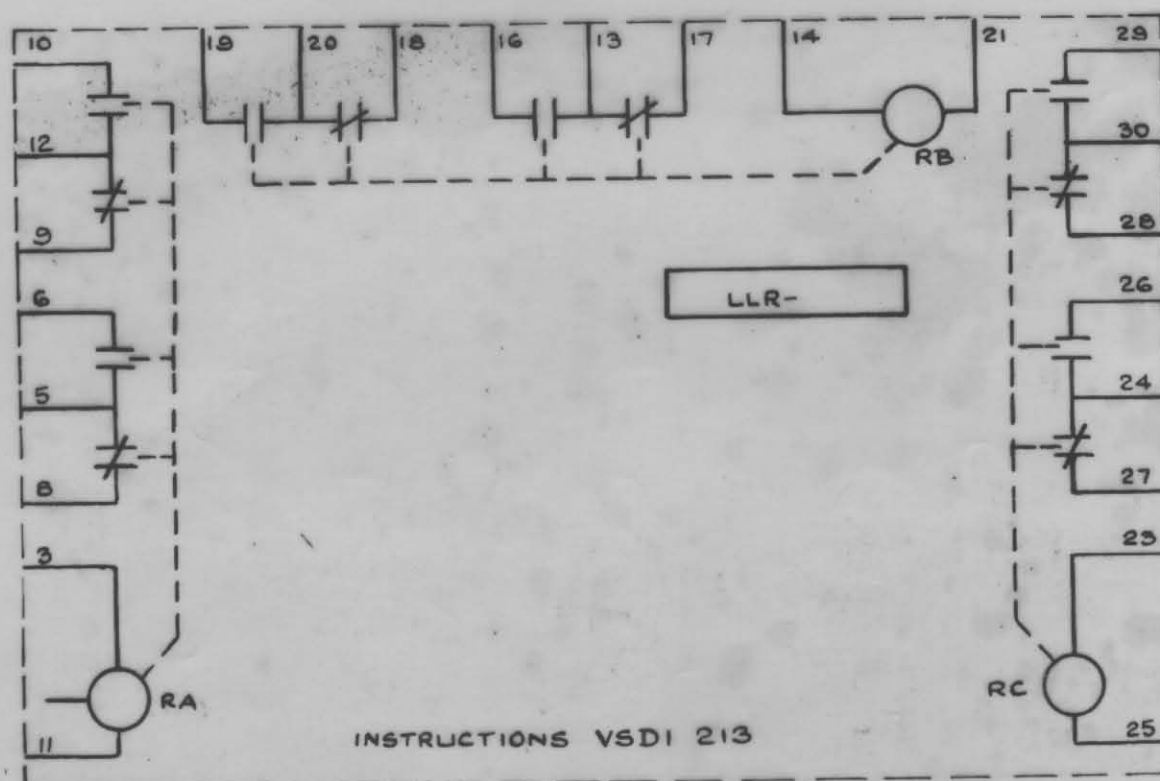






CARD PART NO. 909W317ABG 46 FIT IN RACK POSITION 10

A			B			C			D			E			F			G			H			J			K			L			M			N		
TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	DATE	TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.					
						8.6.84							ALLENWEST						COMPONENT CARD						IDENT													
													Simplex						HOIST AND LONG TRAVEL						DR SH													
													VARIABLE SPEED DRIVES OPERATION, BRIGHTON, ENGLAND.						GO NUMBER 404902						ELEMENTARY DIAGRAM 902M128BB						CONTD. 8							
																															7							



	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	
01	HPG	LPC	TQP	REF	ISLD		TDR		LLR		LOR		LIR					A	CC		
02																					
03																					
04																					
05																					
06																					
07	193W 547AAG01	193W 548AAG01	193W 545AAG01	193W 546AAG01	193W 277AAG02		193W 543AAG02		193W 279AAG03		193W 265AAG04		193W 279AAG03					193W 256AAG01	193W 316AAG04		
08																					
09																					
10																					
11																					

ON PRINTED CIRCUIT CARDS USED IN THIS RACK THE LETTERS 'AA' AFTER BASIC CATALOGUE NUMBER INDICATES ORIGINAL DESIGN. SUBSEQUENT DESIGNS WITH THE SAME BASIC NUMBERS AND GROUP NUMBER WITH THE SECOND LETTER CHANGED, SUCH AS: AB, AC, AD, ETC., ARE DIRECTLY INTERCHANGEABLE AND MAY BE SUPPLIED IN PLACE OF THE 'AA' CARDS.

THE PRINTED CIRCUIT CARD SHOULD ALWAYS BE REMOVED WITH THE CARD EXTRACTOR WHICH IS ATTACHED ON TOP OF THE CARD RACK. SOME CARDS CONTAIN PARTS WHICH WILL BE THERMALLY HOT AFTER BEING IN OPERATION. CARE SHOULD BE EXERCISED IN HANDLING ALL CARDS AFTER REMOVAL UNTIL THESE PARTS HAVE COOLED. DO NOT REMOVE OR INSERT CARDS WITH POWER APPLIED.

FRONT VIEW OF 64 PIN
RECEPTACLE AS SEEN
IN RACK CLOSED
POSITION.

SYMBOLS:



TEST POST



POT ADJUSTMENT



INDICATING LIGHT

32 - 64	32 - 32X
31 - 63	31 - 31X
30 - 62	30 - 30X
29 - 61	29 - 29X
28 - 60	28 - 28X
27 - 59	27 - 27X
26 - 58	26 - 26X
25 - 57	25 - 25X
24 - 56	24 - 24X
23 - 55	23 - 23X
22 - 54	22 - 22X
21 - 53	21 - 21X
20 - 52	20 - 20X
19 - 51	19 - 19X
18 - 50	18 - 18X
17 - 49	17 - 17X
16 - 48	16 - 16X
15 - 47	15 - 15X
14 - 46	14 - 14X
13 - 45	13 - 13X
12 - 44	12 - 12X
11 - 43	11 - 11X
10 - 42	10 - 10X
9 - 41	9 - 9X
8 - 40	8 - 8X
7 - 39	7 - 7X
6 - 38	6 - 6X
5 - 37	5 - 5X
4 - 36	4 - 4X
3 - 35	3 - 3X
2 - 34	2 - 2X
1 - 33	1 - 1X

CARD RACK WIRE JUMPER TABLE

RTB COM - 1G15	5TB DMAC - 1A3	4TB5 - 1S23	1E28 - 1G3X
RTB +20 - 1G31	SP1(2TB13)	SP36(4TB6) 1E9	- 1L9
RTB -20 - 1G2	SP2(2TB15)	SP37(4TB7) 1Q23	
RTB -CFB - 1C30	SP3(2TB16) - 1L	SP38(4TB8) 1S14	1L10 - 1L11
RTB -30 - 1L5	SP4(2TB17) - 1D3X	SP39(4TB9) - 1J3	- 1E27
MCC SFB - 1D12X	SP5(2TB18) - 1D9	SP40(4TB10) - 1N3	
MCC TR - 1C20	SP6(2TB19)	SP41(4TB11) - 1N4	1E11 - 1E22
MCC SR - 1T12X	SP7(2TB24) 1D8	SP42(4TB12) - 1N23	1E19 - 1E21
MCC SYS - 1D23	SP8(2TB25) 1D6	SP43(4TB13) - 1Q3	1E3 - 1L5X
MCC DR - 1D29	3TB1 - 1G12	SP44(4TB14) - 1Q4	1E13 - 1E17
MCC CEMF - 1E11	3TB2 - 1L10	SP45(4TB15) MCC+30	
MCC DM8 - 1C28	3TB3	MCC DM(1A) - 1C9	1G 32 - 1G1
MCC LT2 - 1C19	3TB4 - 1C17		- 1G15
MCC DP2 - 1C5	3TB5 - 1C18	LT1(MCC) 1U7	
MCC PRE - 1D14	3TB6	RTB(CFB) - 1A17	1D10 - 1D19X
MFC DM22 - 1D16	3TB7 - 1L3X	- 1A24	1D30 - 1D5X
RTB FDR - 1B28	3TB8	1C17 - 1D10X	- 1Q9
MCC LR - 1B27	4TB1 - 1L3	1D12X - 1D9X	
MFC SFC - 1A21	4TB2 - 1D11	1D10X - 1L5	1L4 - 1E15
RTB CRM - 1A13	4TB3 - 1D13	1E22 - 1B16	
5TB DFDR - 1B17	4TB4 - 1G5X	1B16 - 1A25	

NOTE: RECEPTACLE PINS MAY
BE NUMBERED AS SHOWN
IN EITHER SKETCH. (PIN
33 CORRESPONDS TO PIN
1X, 34 TO 2X, ETC.)

TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	DATE				MODIFICATION RACK			IDENT	
						8.6.84								
						TECHN.	VARIABLE SPEED DRIVES OPERATION, BRIGHTON, ENGLAND.			GO NUMBER			ELEMENTARY DIAGRAM	
						ENG.				404902			902M128BB	
						APPD.							CONTD.	
													9	
													8	

[illegible]

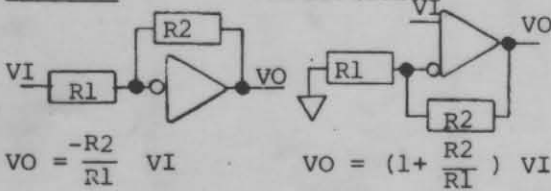
VOLTAGE POLARITIES SHOWN ARE FOR MOTORING DA1(+)

HARDWARE ABBREVIATIONS

MCC	MAIN CONTROL CARD
IFC	INTERFACE CARD
PSC	POWER SUPPLY CARD
SCR	THYRISTOR ASSEMBLY
DGC	DIAGNOSTIC CARD
MFC	MOTOR FIELD CONTROL
MFE	MOTOR FIELD EXCITER
MDR	MODIFICATION RACK
ACC	AUXILIARY CONTROL CARD

SYMBOLS

AMPLIFIERS



CASE GROUND

$VO = \text{SIGN}() \times \text{ABSOLUTE VALUE OF } VI$
 STAB ON TERMINAL

TERMINAL AT 2TB, 3TB, 4TB, RTB.

EX: 9 [2] - 2TB9; X2 [R] - RTBX2

TERMINAL AT T.B.'s

POTENTIOMETER ARROWS ON THE CARD
 ELEMENTARY DIAGRAMS INDICATE THE
 WIPER DIRECTION AS THE POTENTIOMETER
 SHAFT IS ROTATED CLOCKWISE TO INCREASE
 FUNCTION.

THESE RESISTORS ARE CRIMPED IN WIRE
 HARNESS.

FUNCTION	USE	LOC	JUMPERS
60HZ		MFC	ZA-ZB (IF USED)
50HZ		MCC	HZA - PHA
IOC-400%			(NONE)
-500%		IFC	I - IHI
-300%		IFC	I - ILO
SR5 - 9v			(NONE)
9 - 20v		MCC	SRH - COM
JOGR 10v			(NONE)
20v		MCC	JH - COM
LT. 3-7sec.			(NONE)
2 - 60sec			332Ω FROM LTI TO COM
VREG			NT-CEMF CC-COM
DC TACHO			(NONE)
AC TACHO		MCC	AT1 - AT2
TACHO FILT		IFC	TC - TC
TACHO V.		IFC	NT-NT1 PT - PT1
24-64vdc		IFC	NT-NT1 PT - PT1
27-71vac		IFC	NT-NT2 PT - PT2
60-160vdc		IFC	NT-NT2 PT - PT2
66-177vac		IFC	NT-NT3 PT - PT3
110-300vdc		IFC	NT-NT3 PT - PT3
120-300vac		IFC	NT-NT3 PT - PT3
G134 G256		IFC	MFC OR MFE
1.7		MF	NONE
1.3		MF	YB - YD
2.4		MF	YA - YB
4.0		MF	YA-YB, YC-YD
7.0		MF	YA - YC
13		MF	YA-YC, YB-YD
L/R < .25S		MFC	QA - QB
INH RUN		DGC	D1-D2 (IF USED)
INH DRV CL		MCC	DC1 - COM
FUSELESS		ACC	CFY - CFX
DRV CL		MCC	DCX - DCY
200%			

SIGNAL DEFINITIONS AND LOCATIONS

SEE DIAGRAM 906P118CY

* CEMF	COUNTER EMF (16)
* CFB	CURRENT FEEDBACK (16)
CMFA	ABSOLUTE VALUE CEMF (08)
CRM	CROSSOVER MODIFY (11)
DFP	DELAYED FIRING POWER (25)
* DR	DRIVER REFERENCE (33)
* EAO	ERROR AMP OUTPUT (33)
EST	EXTERNAL FLT STOP INPUT (14)
FALT	FAULT (14)
* FC	FIELD CURRENT (NS26)
FDR	FIELD DIAGNOSTIC REFERENCE (08)
FEA	FIELD ECONOMY ADJUST (25)
FF	FIELD FAULT (28)
IABS	MOTOR CURRENT ABSOLUTE (09)
ILA	CURRENT LIMIT ADJUST (23)
IMET	CURRENT SIGNAL FOR METER (10)
* IPU	INITIAL PULSE (20)
* LR	LOCAL REF. FROM DGC (33)
* JOG	JOG SWITCH INPUT (23)
* JOGR	JOG REFERENCE INPUT (31)
* MAC	MAX/MA CONTROL SIGNAL (20)
MSW	MODE SWITCH (30)
* OSC	OSCILLATOR (17)
* PCR	PHASE CONTROL REF. (26)
* PRE	DRIVE PRECONDITION (21)
ØSEQ	PHASE SEQUENCE (14)
RERR	REGULATOR ERROR (27)
RIJ	INTEGRATOR SUMMING JUNCTION (27)
RJ	REGULATOR SUMMING JUNCTION (31)
RRA	REGULATOR RESPONSE ADJUST (30)
RSET	RESET (16)
* RTR	READY TO RUN (16)
* RUN	RUN SWITCH INPUT (21)
* SA-C	PHASE SYN OUTPUT (16)
* SFB	SPEED FEEDBACK (20)
SMET	SPEED SIGNAL FOR METER (12)
* SR	SYSTEM REFERENCE INPUT (29)
* SYS	SYSTEM FAULT TRIP (13)
* TA	OUTPUT FOR TACHO TRIP ADJUST (20)
TF	TACHO FAULT (NS28)
* TFB	TACHOMETER FEEDBACK (20)
TFR	AC TACHO FREQUENCY OUTPUT (13)
* TR	TIMED REFERENCE (33)
* VFB	VOLTAGE FEEDBACK (19)
* WFR	WEAK FIELD REFERENCE (20)

(* - TEST POINT ON DOOR FRONT)

MAPPING SYSTEM

(NS/PS/TS) PS - PAST SHEET
 NS - NEXT SHEET
 TS - THIS SHEET

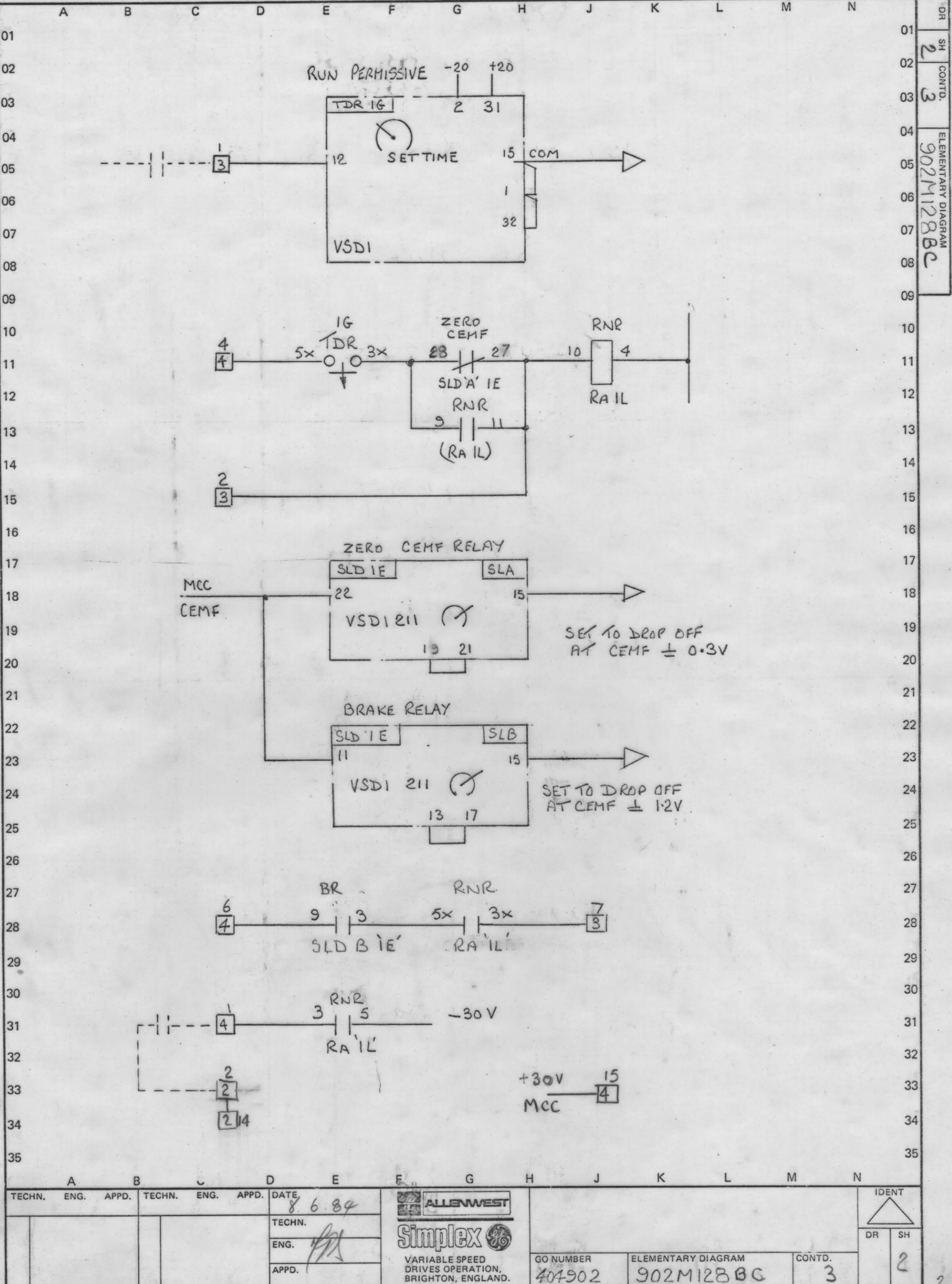
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 1A, LINE 16 ETC.

NOTE: FIELD EFFECT TRANSISTOR: THE
 CLOSED/OPEN (I/O) STATE OF THESE
 SWITCHED FOR "PRECONDITION" - "RUN"
 OR JOG - "DIAGNOSTIC STATIC" -
 "DIAGNOSTIC RUN" IS SHOWN BY A
 FOUR DIGIT WORD WITH STATE SEQUENCE.

READ IN CONJUNCTION WITH DIAGRAM 906P118CY

DMI -ILA
 CMA -COM.

TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	DATE	8 6 84	TECHN.	8 6 84	ENG.	8 6 84	APPD.	AS SHIPPED	GO NUMBER	404902	ELEMENTARY DIAGRAM	902M128 BC	CONTD.	2	IDENT	DR	SH	1
														CROSS TRAVERSE - BOOM HOIST									
														M+B WILD - BOSTON									
														VARIABLE SPEED DRIVES OPERATION, BRIGHTON, ENGLAND.									



902HM100FD

CRANES

A B C D E F G H J K L M N

DR

SH

3

02

CONTD.

4

03

ELEMENTARY DIAGRAM

902M128BC

05

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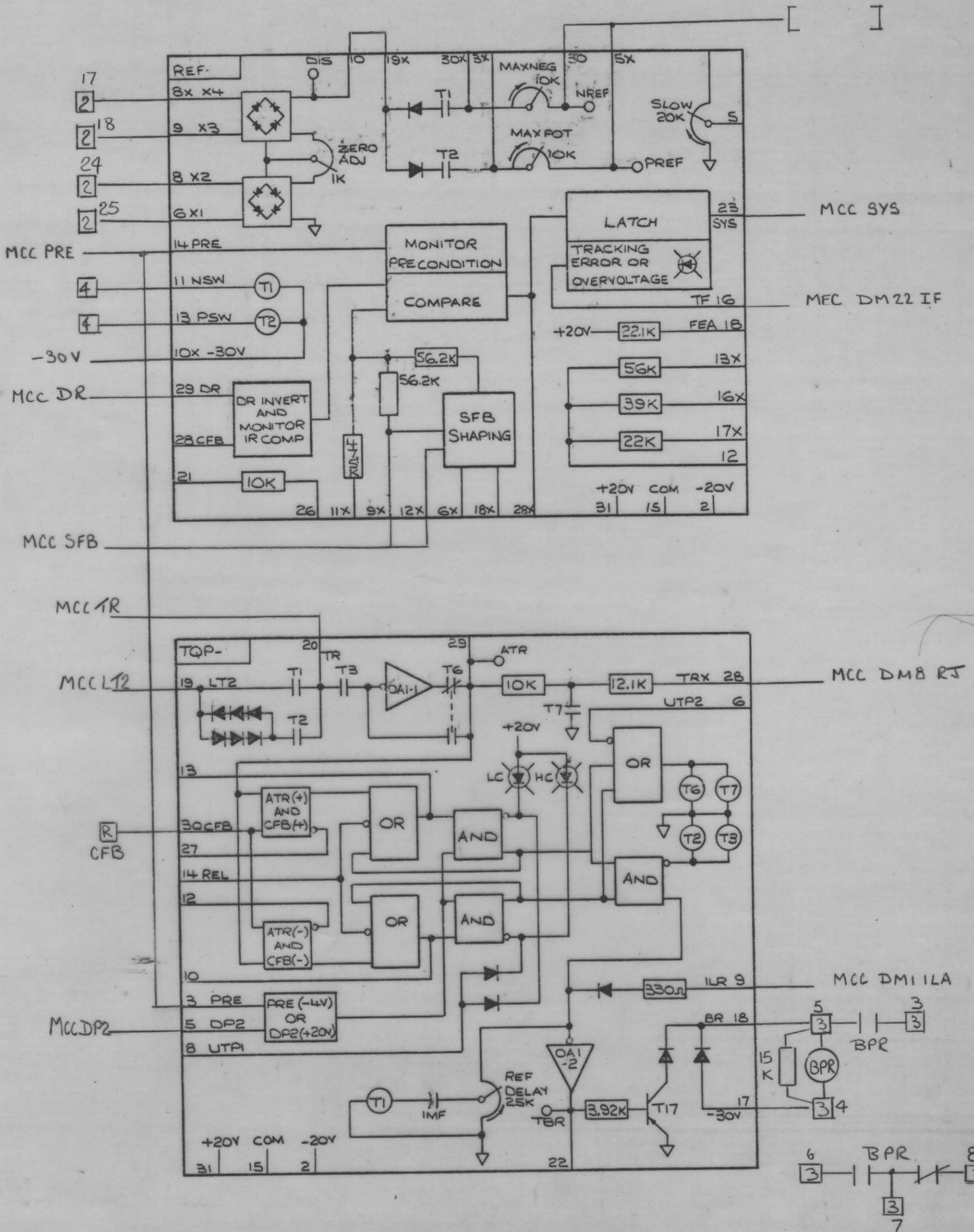
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32

33

34

35



TECHN. ENG. APPD. TECHN. ENG. APPD. DATE 8 6 84

TECHN. ENG. APPD.

TECHN. ENG. APPD.

TECHN. ENG. APPD.

TECHN. ENG. APPD.

ALLENWEST

Simplex

VARIABLE SPEED

DRIVES OPERATION,

BRIGHTON, ENGLAND.

REFERENCE & TORQUE PROVING

GO NUMBER 404902

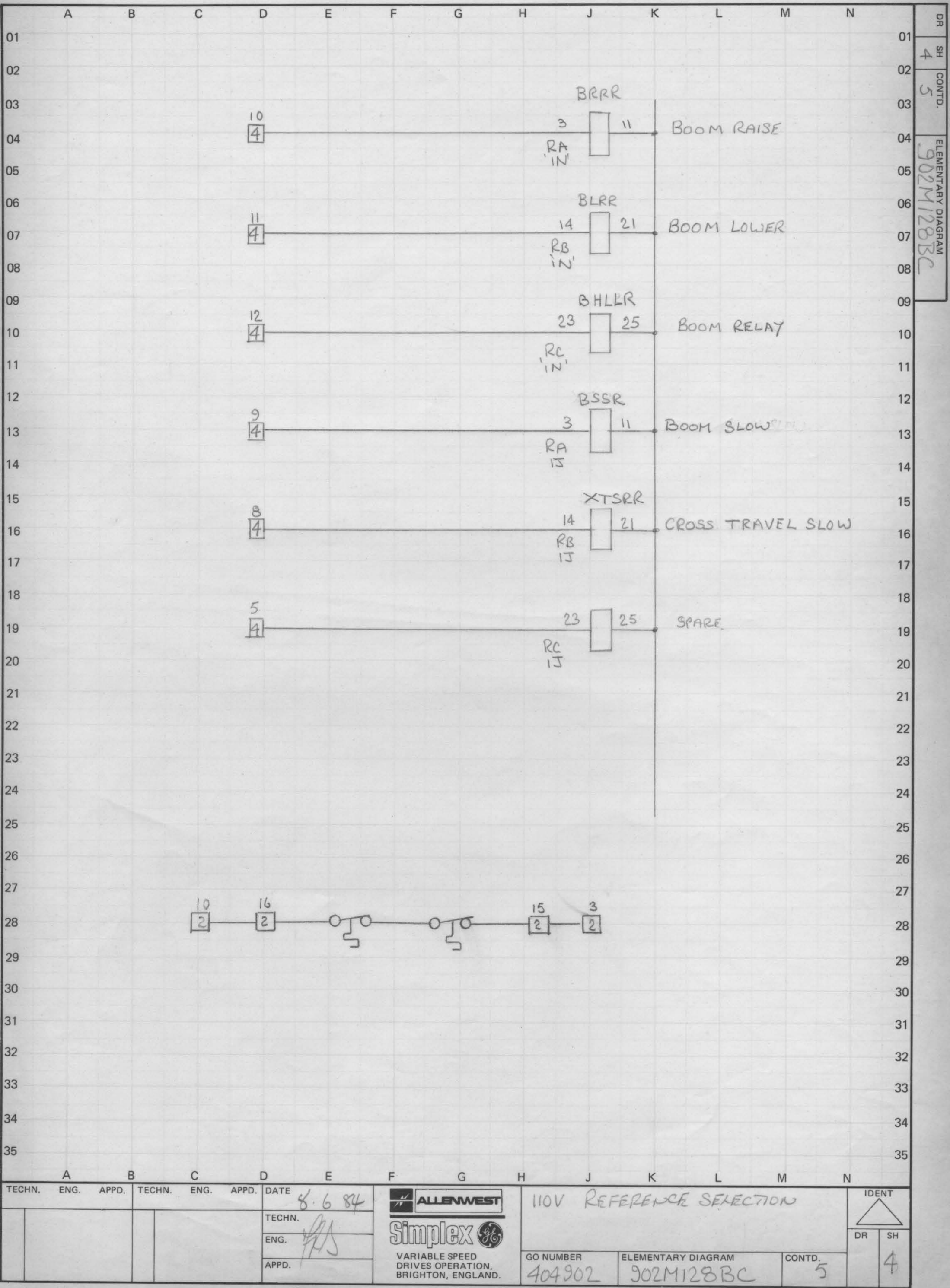
ELEMENTARY DIAGRAM 902M128BC

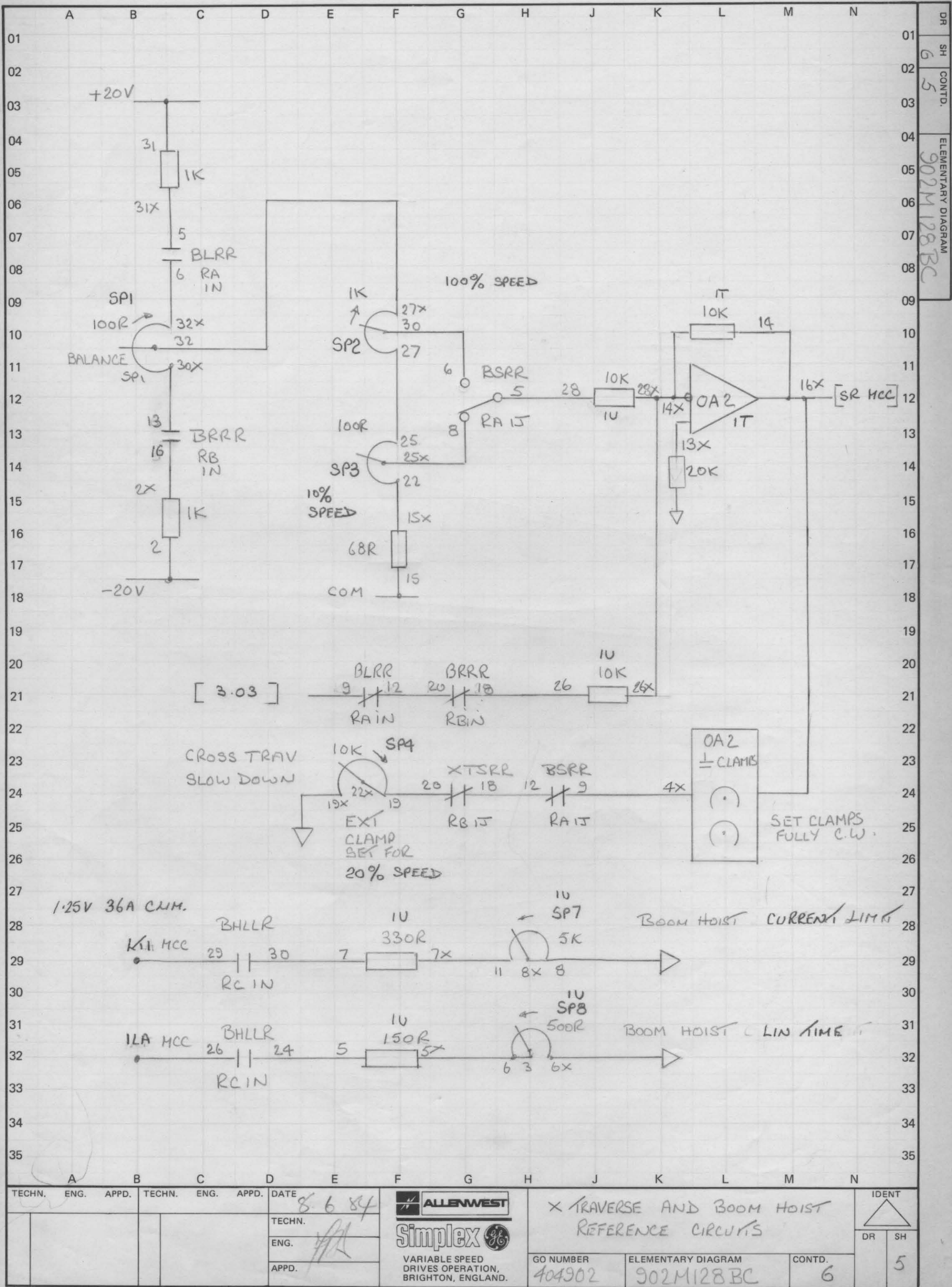
CONTD. 4

IDENT

DR SH

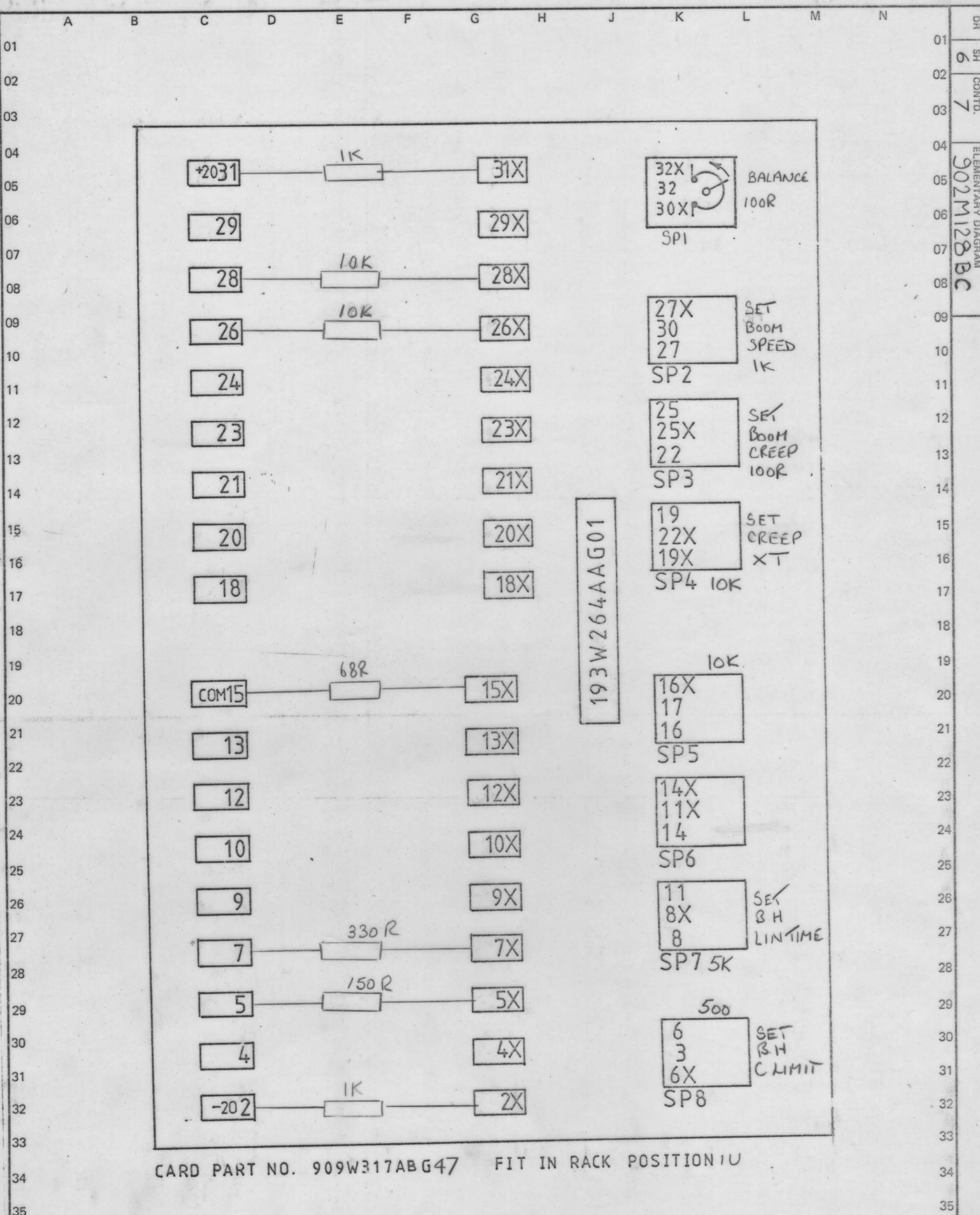
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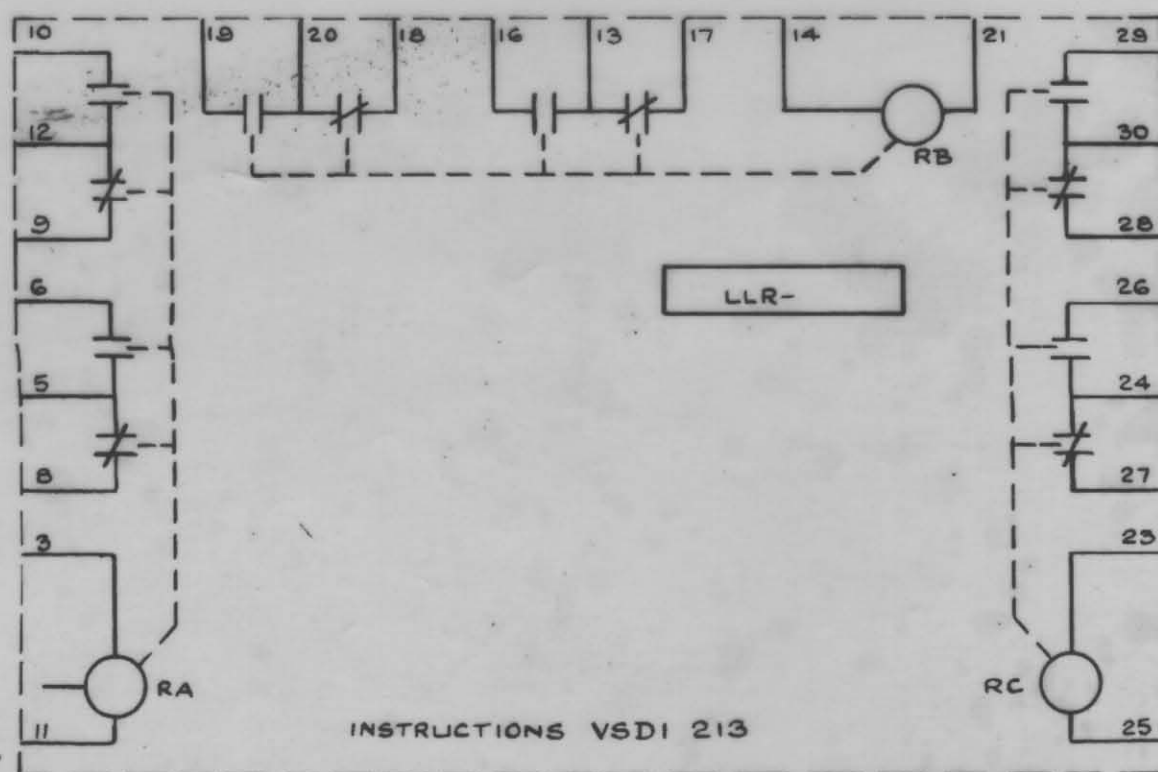
DR SH CONTD. ELEMENTARY DIAGRAM 902M128BC

TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	DATE	TECHN.	ENG.	APPD.	GO NUMBER	ELEMENTARY DIAGRAM	CONTD.	IDENT
						8.6.84				404902	902M128BC	6	5
							Allenwest			X TRAVERSE AND BOOM HOIST REFERENCE CIRCUITS			
							Simplex			VARIABLE SPEED DRIVES OPERATION, BRIGHTON, ENGLAND.			



CARD PART NO. 909W317ABG47 FIT IN RACK POSITION 1U

TECHN. ENG. APPD.			TECHN. ENG. APPD.			DATE	4.6.84			ALLENWEST			COMPONENT CARD			IDENT		
						TECHN.				Simplex			X TRAVERSE & BOOM HOIST			DR SH		
						ENG.				VARIABLE SPEED DRIVES OPERATION, BRIGHTON, ENGLAND.			GO NUMBER 404902			ELEMENTARY DIAGRAM 902M128BC		
						APPD.							CONTD. 7			6		



	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V		
01			TQP	REF	SLD		TDR		LLR		LOR		LZR		LLR				A	CC		
02																						
03																						
04																						
05																						
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DR

SH

CONTD.

ELEMENTARY DIAGRAM

6

ON PRINTED CIRCUIT CARDS USED IN THIS RACK THE LETTERS 'AA' AFTER BASIC CATALOGUE NUMBER INDICATES ORIGINAL DESIGN. SUBSEQUENT DESIGNS WITH THE SAME BASIC NUMBERS AND GROUP NUMBER WITH THE SECOND LETTER CHANGED, SUCH AS: AB, AC, AD, ETC., ARE DIRECTLY INTERCHANGEABLE AND MAY BE SUPPLIED IN PLACE OF THE 'AA' CARDS.

THE PRINTED CIRCUIT CARD SHOULD ALWAYS BE REMOVED WITH THE CARD EXTRACTOR WHICH IS ATTACHED ON TOP OF THE CARD RACK. SOME CARDS CONTAIN PARTS WHICH WILL BE THERMALLY HOT AFTER BEING IN OPERATION. CARE SHOULD BE EXERCISED IN HANDLING ALL CARDS AFTER REMOVAL UNTIL THESE PARTS HAVE COOLED. DO NOT REMOVE OR INSERT CARDS WITH POWER APPLIED.

FRONT VIEW OF 64 PIN RECEPTACLE AS SEEN IN RACK CLOSED POSITION.

SYMBOLS:



TEST POST



POT ADJUSTMENT



INDICATING LIGHT

CARD RACK WIRE JUMPER TABLE

RTB COM - 1G15		4TB5 - 1J23	1E28 - 1G3X
RTB+20 - 1G31	SP1(2TB13)	SP36(4TB6) - 1E9	- 1L9
RTB - 20 - 1G2	SP2(2TB15)	SP37(4TB7) - 1Q13	
RTB-CFB - 1C30	SP3(2TB16)	SP38(4TB8) - 1J14	1L10 - 1L11
RTB - 30 - 1L5	SP4(2TB17) - 1D8X	SP39(4TB9) - 1J3	- 1E27
MCC SFB - 1D12X	SP5(2TB18) - 1D9	SP40(4TB10) - 1N3	
MCC TR - 1C20	SP6(2TB19)	SP41(4TB11) - 1N14	1E11 - 1E22
MCC SR -	SP7(2TB24) - 1D8	SP42(4TB12) - 1N23	1E19 - 1E21
MCC SYS - 1D23	SP8(2TB25) - 1D6	SP43	1E3 - 1L5X
MCC DR - 1D29	3TB1 - 1G12	SP44	1E13 - 1E17
MCC CEMF - 1E11	3TB2 - 1L10	SP45(4TB15) MCC+30	
MCC DM8 - 1C28	3TB3 -	MCC DM114 - 1C9	1G32 - 1G1
MCC LT2 - 1C19	3TB4 - 1C17		- 1G15
MCC DP2 - 1C5	3TB5 - 1C18	LT1 MCC - 1N29	
MCC PRE - 1D14	3TB6		1D10 - 1D19X
MFC DM22 - 1D16	3TB7 - 1L3X		1D30 - 1DSX
	3TB8		- 1N9
	4TB1 - 1L3		
	4TB2 - 1D11		
	4TB3 - 1D13		
	4TB4 - 1G5X		

NOTE: RECEPTACLE PINS MAY BE NUMBERED AS SHOWN IN EITHER SKETCH. (PIN 33 CORRESPONDS TO PIN 1X, 34 TO 2X, ETC.)

TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	DATE				TX - 31HT MODIFICATION RACK			IDENT 		
						8.6.84							DR SH 8		
							VARIABLE SPEED DRIVES OPERATION, BRIGHTON, ENGLAND.			GO NUMBER 404902		ELEMENTARY DIAGRAM 902M128BC		CONTD.	

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[illegible]

A B C D E F G H J K L M N

TECHN.	ENG.	APPD.	TECHN.	ENG.	APPD.	DATE
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DATE 8.6.84

TECHN.

ENG.

APPD.



Simplex

VARIABLE SPEED
DRIVES OPERATION,
BRIGHTON, ENGLAND.

GO NUMBER

404902

ELEMENTARY DIAGRAM

902M128BC

CONTD.

IDENT



DR	SH
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