

INDEX OF LOGICAL DRWGS FOR A.C. CONTROL (WGC18).

INDEX

WGC18/ SHEET 0

" " / SHEET 1

WGC18/ SHEET 2

" " / SHEET 3

WGC18/ SHEET 4

" " / SHEET 5

WGC/18 SHEET 6

SUB			
ACW			
ACD			
DATE			

OPERATIONAL SEQUENCES

All relays defined in De-energised state.

RL1	P	Supplies not present: Freeze+ & Store Enable
RL2	Z	Freeze+
RL3	C	Clocks Stopped (Stop+)
RL4	S	Start
RL5	I	Interrupt (CCMPINT+)
RL6	O	SWOFF
RL7	M	Monitor HT.OFF
RL8	F	CFRZ+

SEQUENCE

Switched to 'Remote'

'SWON'

1. On button sends start pulse via S1+S2
To first control where the Termination Plug returns it as the 'SWON' signal: if all interlocks are present 'S' energises on that control.
2. Contactor 1, timers 1 & 2 Energise.
3. (After Timer 2 Period) contactor 2 Energises.
4. When all D.C. supplies present 'P' Energises.
5. (After Timer 1 Period) 'Z' Energises: also 'Reset' line to Package 4 Energised.
6. (If relay 'P' is Energised) 'SWON' to next control
(If relay 'P' not Energised) SWON and contactors De-Energise.
7. 'SWON' pulse from last control returns as Rel.clocks line & Energises all 'C' relays.
8. 'I' Energises Timer 1.De-Energises.

NORMAL OFF

1. Relays 'S' & I Fall-Out
2. Relay 'O' Energised making SWOFF signal to all A.C.Controls.
3. (After Timer T.) 'C' Falls-Out.
4. 'Z' Falls-Out
5. Contactors & Timers Fall-Out
6. 'P' & 'O' Fall-Out.

D.C. Supply Failure

1. 'P' Falls-Out
2. Contactors 1 & 2 Fall-Out
3. 'S' & I Fall-Out
4. (After Timer 1 Period) 'C' Falls-Out
5. 'Z' Falls-Out
6. Timers Fall-Out

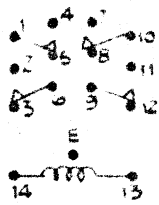
A.C. CONTROL (3/10/07093)

WGC18/SHE

SUB			
A.C.D.			
ACW			
DATE			

COMPONENT IDENTIFICATION

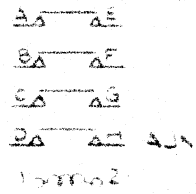
RELAY



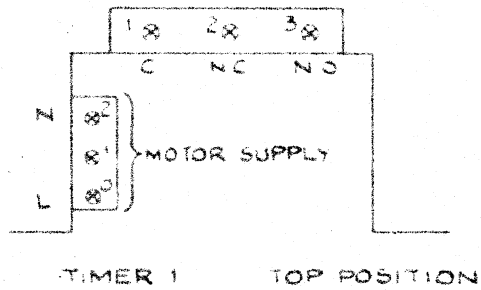
VIEWED FROM REAR

C/O No	DE-ENERGISED PINS		
	NO	CO	NC
1	4	1	5
2	2	6	3
3	7	10	8
4	11	3	12

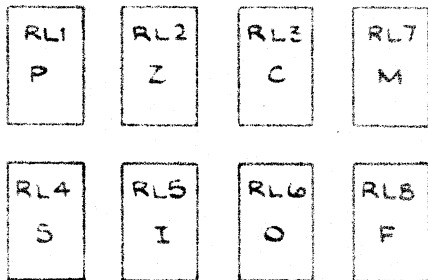
CONTACTOR



TIMERS



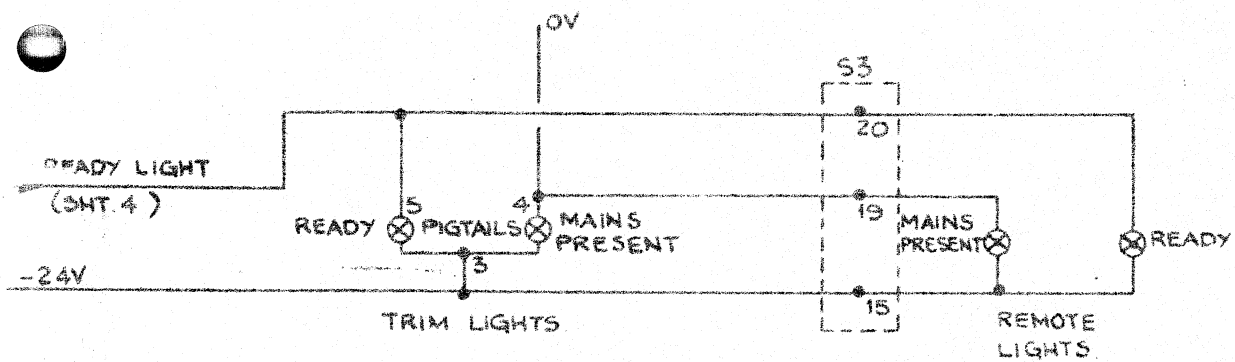
RELAY LAYOUT (VIEWED FROM REAR)



AC CONTROL.

WGC.18 / SHEET

SUB.																				
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DATE																				



AC CONTROL.

WGC.18/SHEET 6

SUB.														
A.C.W.														
DATE														

INDEX OF LOGICAL DRAWINGS FOR ENGINEERS

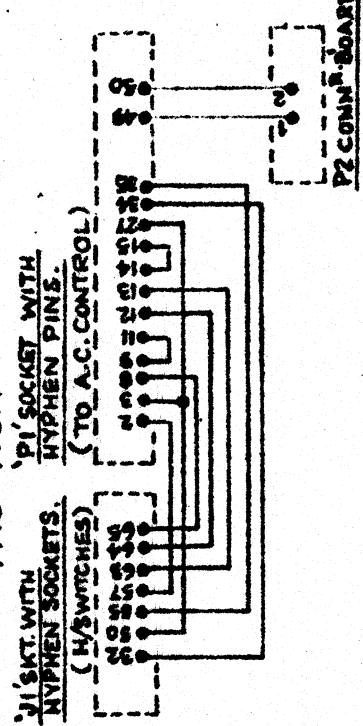
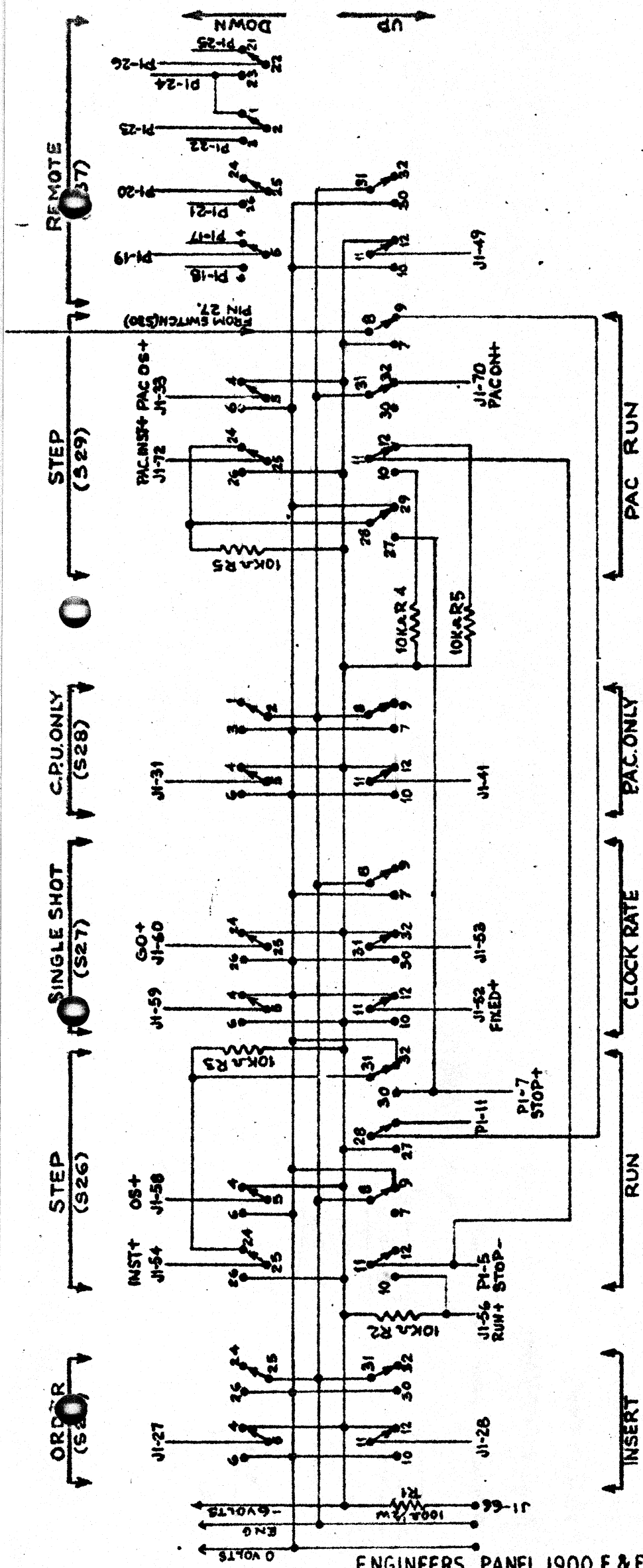
PANEL WGC 18/1 (USED ON 1900 E & F)

INDEX

WGC 18/1/SHEET 1

WGC 18/1/SHEET 2

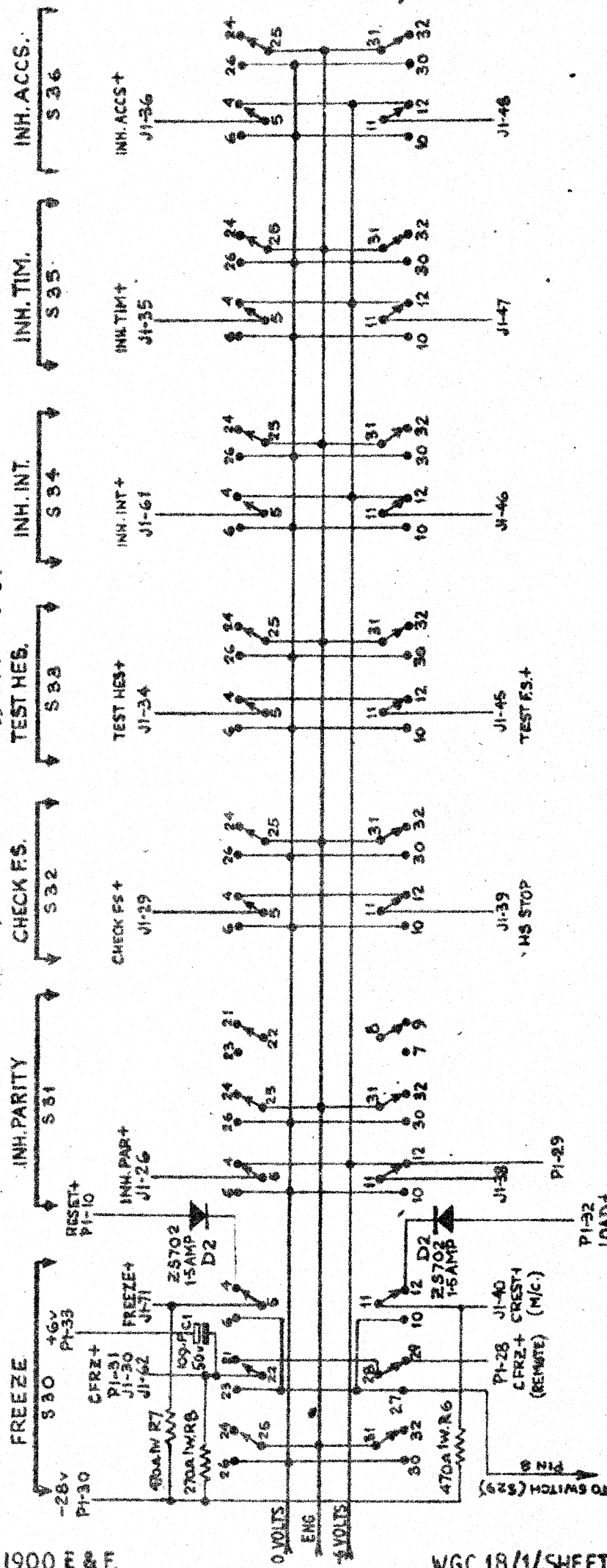
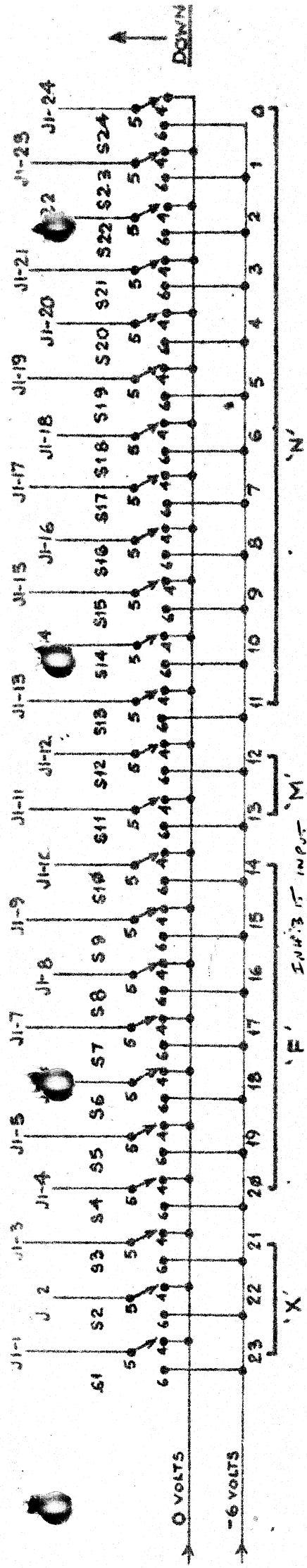
SUB	ISS .		
ACW	1595		
ACD	- .		
DATE	10/12/68		



SWITCH CONTACTS		7	27	MG
1	21 NC	U P		
2	22 C			
3	23 NO.	9	29	NC.
4	24 NC.	10	30	NO.
5	25 C	11	31	C
6	26 NO.	12	32	NC.

ACW 1595
10/12/68

SUB	ISS	
ACW	1595	



ENGINEERS PANEL 1900 E & F.

WGC 18/1/SHEET 1

SUB	ISS		
ACW	1595		
ACD	-		
DATE	12/12/68		

INH. 3 INPUT M' TO ADDRESS BUS AFTER FOR ADDRESS = 0.0.0.

INH. INT X2 22 AUTO HESINT. FORCE Y3

MS STOP

FIVED STOP

TEST FS.