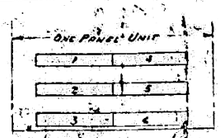
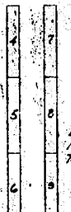


ARRANGEMENT OF TERMINAL BLOCKS IN POWER TROUGH

BLOCK TERMINALS ARE NUMBERED RIGHT TO LEFT



BLOCK TERMINALS NUMBERED FROM TOP TO BOTTOM

ARRANGEMENT OF TERMINAL BLOCKS IN CORNER AS VIEWED FROM REAR OF ENVIRO

	Printer Panel 3 (42)	Printer Panel 2 (41)	Printer Panel 1 (40)	Coust. Trans. Panel 3 (39)	Coust. Trans. Panel 2 (38)	Coust. Trans. Panel 1 (37)	Funct. Table No 3 Panel 2 (36)	Funct. Table No 3 Panel 1 (35)	
				1			2 Outer	1 Outer	
				SCHEPR*			PT	PAC	
1				—			-1.5	—	1
2				—			+100	—	2
3				+225A			+80B	—	3
4				+150A			00	—	4
5				+110D			+80	—	5
6				-50E			—	—	6
7				+20C			+285	-920	7
8				—			+150A	-835	8
9				-130D			+75	-815	9
10				110 AC N			+230	-750	10
11				110 AC *			+195	-725	11
12				0D			—	0 D	12
13				Sch. Cable 7-13			—	-375	13
14				Sch. Cable 7-14			-180B	-125	14
15				Sch. Cable 7-15			—	—	15
16				Sch. Cable 7-16			—	-555	16
17				Sch. Cable 7-17			—	-360	17
				—			—	-340	
							3 Outer	2 Outer	
							PS	PE	
1							+225B	-245	1
2							+110C	-295	2
3							+50D	-345A	3
4							-105	-320	4
5							-315	-170	5
6							-345A	-75	6
7							-320	-425	7
8							-245	-555	8
9							-240	-620	9
10							-200	-640	10
11							-175	-470	11
12							0D	-450	12
13							-140	-315	13
14							-40	-360	14
15							-95	-295	15
16							+260	-240	16
17							-150	-385	17
18							-95	-415	18
							3 Outer		
							PD		
1							+25B		1
2							+50D		2
3							0D		3
4							+75		4
5							+110C		5
6							+20B		6
7							+225B		7
8							Initial Clear		8
9							-595		9
10							-200		10
11							-130C		11
12							-105		12
13							-265		13
14							-180B		14
15							-10		15
16							+150A		16
17							00		17
18							-40		18

	Funct. Table No 2 Panel 2 (34)	Funct. Table No 2 Panel 1 (33)	Funct. Table No 1 Panel 2 (32)	Funct. Table No 1 Panel 1 (31)	Accumulator No 20 (30)	Accumulator No 19 (29)	Accumulator No 18 (28)	Accumulator No 17 (27)	(26)
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									

	Converter No. 2 1	4	7	
1	+550	-10	—	1
2	+525	-40	—	2
3	+505	-75	+225A	3
4	+500	-80	+150A	4
5	Sch. Cable 1-5	-85A	+110D	5
6	+460	-85B	+50E	6
7	—	-85C	+20C	7
8	+370	-90	—	8
9	Sch. Cable 1-9	-95	-130D	9
10	+345	-105	—	10
11	+330	-115	—	11
12	Sch. Cable 1-12	-120	0D	12
13	+290	-125	Sch. Cable 1-13	13
14	+285	-130A	Sch. Cable 1-14	14
15	+280	-130B	Sch. Cable 1-15	15
16	+225A	-130C	Sch. Cable 1-16	16
17	+260	-140	Sch. Cable 1-17	17
19	+230	-150	—	19
	2	5	8	
1	+225B	-170	Voltage Calibrate	1
2	+220	-175	—	2
3	+200	-180A	Voltage Short Circuit	3
4	+195	-180B	Voltage Calibrate	4
5	+140	-230	Voltage Short Circuit	5
6	+150A	-235	Voltage Finish Pulse	6
7	+150B	-240	Voltage Finish Pulse	7
8	+130	-245	Voltage Short Circuit	8
9	+110A	-265	Initial Clear	9
10	+110B	-290	—	10
11	+110C	-295	—	11
12	+100	-300	—	12
13	+35	-315	—	13
14	+80	-320	—	14
15	+75	-345A	—	15
16	+55A	-345B	—	16
17	+55B	-345C	—	17
18	+55C	-360	—	18
	3	6		
1	+55D	-375		1
2	+55E	-385		2
3	+55F	-400		3
4	+55G	-415		4
5	+50A	-425		5
6	+50B	-435		6
7	+50C	-450		7
8	+50D	-470		8
9	+25A	-475		9
10	+25B	-555		10
11	+20A	-595		11
12	+20B	-620		12
13	0A	-640		13
14	0B	-725		14
15	0C	-750		15
16	0D	-815		16
17	00	-835		17
18	-1.5	-920		18

	Accumulator No 16 (25)	Accumulator No 15 (24)	Accumulator No 14 (23)	Accumulator No 13 (22)	Multiplier Panel 3 (21)	Multiplier Panel 2 (20)	Multiplier Panel 1 (19)	Accumulator No 12 (18)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								

	Converter No 1 1	4		
1	+550	-10		1
2	+525	-40		2
3	+505	-75		3
4	+500	-80		4
5	Sch. Cable 1-5	-85A		5
6	+460	-85B		6
7	—	-85C		7
8	+370	-90		8
9	Sch. Cable 1-9	-95		9
10	+345	-105		10
11	+330	-115		11
12	Sch. Cable 1-12	-120		12
13	+290	-125		13
14	+285	-130A		14
15	+280	-130B		15
16	—	-130C		16
17	+260	-140		17
18	+230	-150		18
	2	5	8	
1	+225B	-170	Converter Calibrate	1
2	+220	-175		2
3	+200	—	Converter Short Circuit	3
4	+195	-180B	Converter Calibrate	4
5	+140	-200	Converter Short Circuit	5
6	+150A	-235	Converter Finish Pulse	6
7	+150B	-240	Converter Finish Pulse	7
8	+130	-245	Converter Short Circuit	8
9	+110A	-255	Initial Clear	9
10	+110B	-290	—	10
11	+110C	-295	—	11
12	+100	-300	—	12
13	+35	-315	—	13
14	+80	-320	—	14
15	+75	-345A	—	15
16	+55A	-345B	—	16
17	—	-345C	—	17
18	—	-360	—	18
	3	6		
1	—	-375		1
2	—	-385		2
3	—	-400		3
4	—	-415		4
5	+50A	-425		5
6	+50B	-435		6
7	+50C	-450		7
8	+50D	-470		8
9	+50F	-475		9
10	+25B	-555		10
11	+20A	-595		11
12	+20B	-620		12
13	+20C	-640		13
14	—	-725		14
15	0C	-750		15
16	0D	-815		16
17	00	-835		17
18	-1.5	-920		18

	Accumulator No 11 (17)	Converter See Note (16)	Accumulator No 10 (15)	Accumulator No 9 (14)	Accumulator No 8 (13)	Accumulator No 7 (12)	Accumulator No 6 (11)	Accumulator No 5 (10)	Divider and Square Rooter (9)
1		0							
2		+20C							
3		+25							
4		-50A							
5		+75							
6		+110C							
7		+225							
8		+230							
9		—							
10		LCG							
11									
12									
13									
14									
15									
16									
17									
18									
1		-555							
2		-470							
3		-450							
4		-45							
5		—							
6		-385							
7		-360							
8		-345							
9		—							
10		-320							
11		-295							
12		-265							
13		-200							
14		-180							
15		-170							
16		-130C							
17		-125							
18		-40							

	Accumulator No 4 (8)	Accumulator No 3 (7)	Accumulator No 2 (6)	Accumulator No 1 (5)	Master Prog. Panel 2 (4)	Master Prog. Panel 1 (3)	Cycling Unit (2)	Initiating Unit (1)
			2 Outer	2 Outer	1			1 Right
			PR	PR	SCHEPR*			P2
1			-245	-245	—			—
2			-295	-295	—			Start
3			-345A	-345A	+225A			Pulse B
4			-320	-320	+150A			Pulse B
5			-170	-170	+110D			—
6			-80	-80	+50E			—
7			-425	-425	+20C			—
8			-555	-555	—			—
9			—	—	-130D			—
10			-375	-375	110 AC N			—
11			-470	-470	110 AC *			
12			-450	-450	0D			
13			-315	-315	Sch. Cable 7-13			
14			-360	-360	Sch. Cable 7-14			
15			-235	-235	Sch. Cable 7-15			
16			-240	-240	Sch. Cable 7-16			
17			-395	-395	Sch. Cable 7-17			
18			-15	-15	—			
			3 Outer	3 Outer				2 Right
			PQ	PQ				PU
1			+25B	+25B				Start
2			+50C	+50C				Start
3			0D	0D				Stop
4			+75	-75				Stop
5			+110A	+110A				Neutral Gang
6			+20A	+20A				Pulse Pilot L
7			+225B	+225B				
8			Initial Clear	Initial Clear				Pulse B Initial Clear
9			+150B	+150B				Pulse B Initial Clear
10			-200	-200				
11			-130C	-130C				
12			-105	-105				
13			-115	-115				
14			-180B	-180B				
15			-10	-10				
16			-125	-125				
17			-85A	-85				
18			-40	-10				
								3 Right
								PY
1								Wire Pos. Phase A
2								Wire Neg. Phase A
3								Wire Pos. Phase B
4								Wire Neg. Phase B
5								Neutral Wire Pos. Phase C
6								Wire Neg. Phase C
7								Red Pilot L
8								Blue Pilot L
9								D.C. off
10								Green Pilot L
11								D.C. off
12								D.C. off
13								
14								
15								
16								
17								
18								

NOTE: D.C. CABLES FOR CONVERTER CONNECTED TO BLOCK ON CORNER NO. 2

*P.A. = PULSE AMPLIFIER
* SEE PX-1-113 FOR CONNECTION

REVISIONS
NEW PANEL ADDED (CONVERTER) 4-13-47

MOORE SCHOOL OF ELECTRICAL ENGINEERING
UNIVERSITY OF PENNSYLVANIA

CHART FOR D.C. WIRING IN POWER TROUGH (CONT.)

SCALE —

DRAWN BY J. Chapman June 3, 1947 | CHECKED BY J. Chapman June 3, 1947 | APPROVED BY

PX-13-107A