

C.P.R.
MONTREAL WEST
INTERLOCKING
WIRING DIAGRAMS

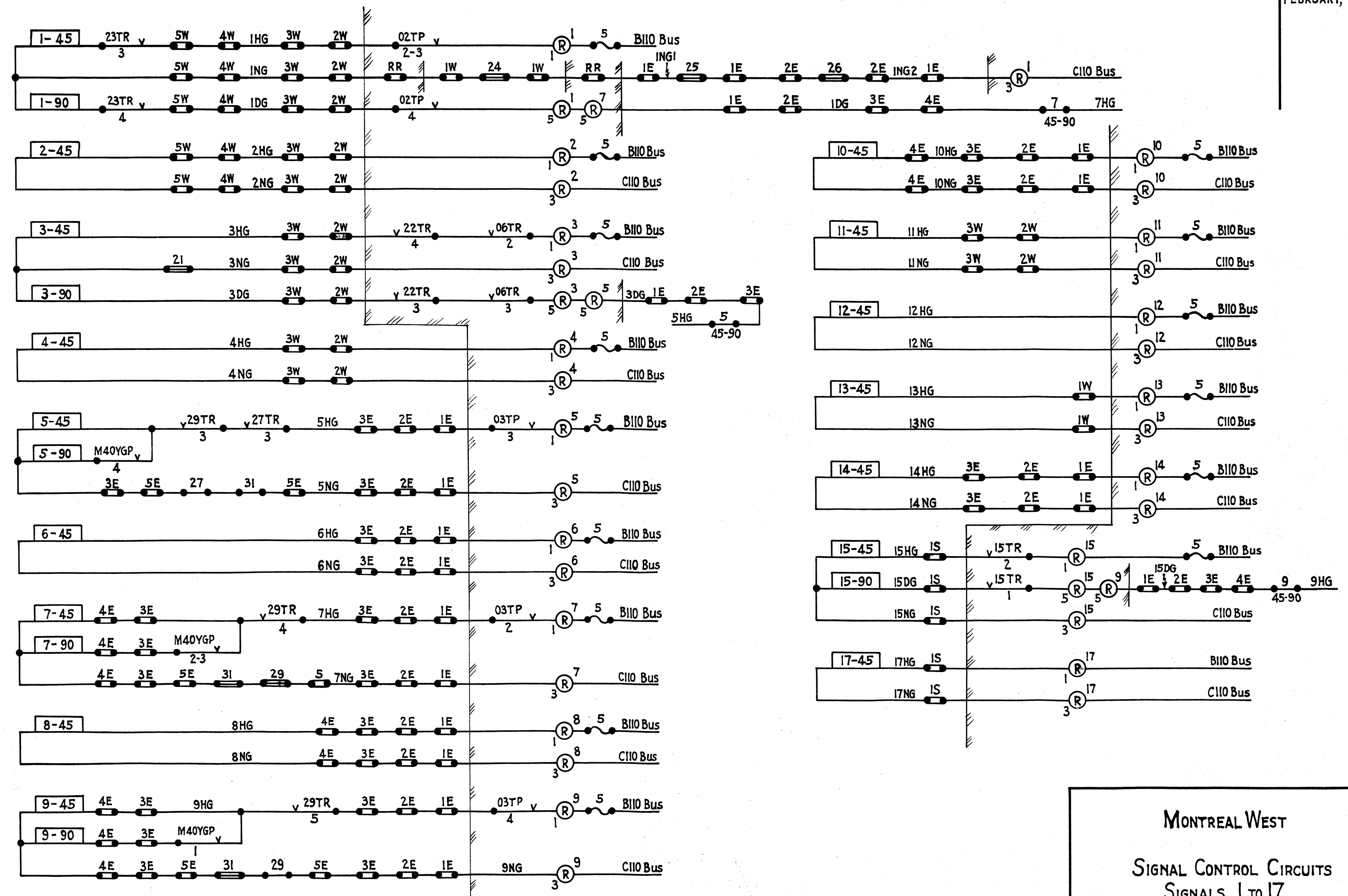
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SHEET 10 DELETED.

FEBRUARY, 1938. REDRAWN.
SEPARATE COMMONS INSTALLED
FOR SWITCHES AND SIGNALS.
FEBRUARY 28, 1939. POLE LINE
REVISIONS.
JUNE 9, 1939. BATTERIES NOS. 1 & 3
TIED TOGETHER TO INCREASE VOLTAGE
AT SWITCH MACHINES.
JANUARY 16, 1940. SIGNALS 450 AND
451 MADE SL; CABLE RENEWED AND
SPLICED FROM B4W TO B10W.
APRIL 1, 1941. POWER BOARD CONNECTIONS
CHANGED TO ALLOW BATTERIES NOS. 1 AND 3
TO BE CHARGED SIMULTANEOUSLY BY GENERATOR.
JANUARY 10, 1945. POLE LINE CHANGES, ETC.,
ACCT. NEW LINE WIRE WESTMOUNT-MTL. WEST.
OCTOBER 1, 1945. CIRCUITS REVISED ¹/_C
REMOVAL OF SIGNALS 443 & 446.
NOV. 15, 1946.
REVISIONS BETWEEN MONT. W & BALLANTYNE

DRAWN :
CHECKED: A.J.K.
TRACED: O.B.
Signal Engineer.

COMPLETE IN 19 SHEETS. Signal Engineer's Office, Montreal.

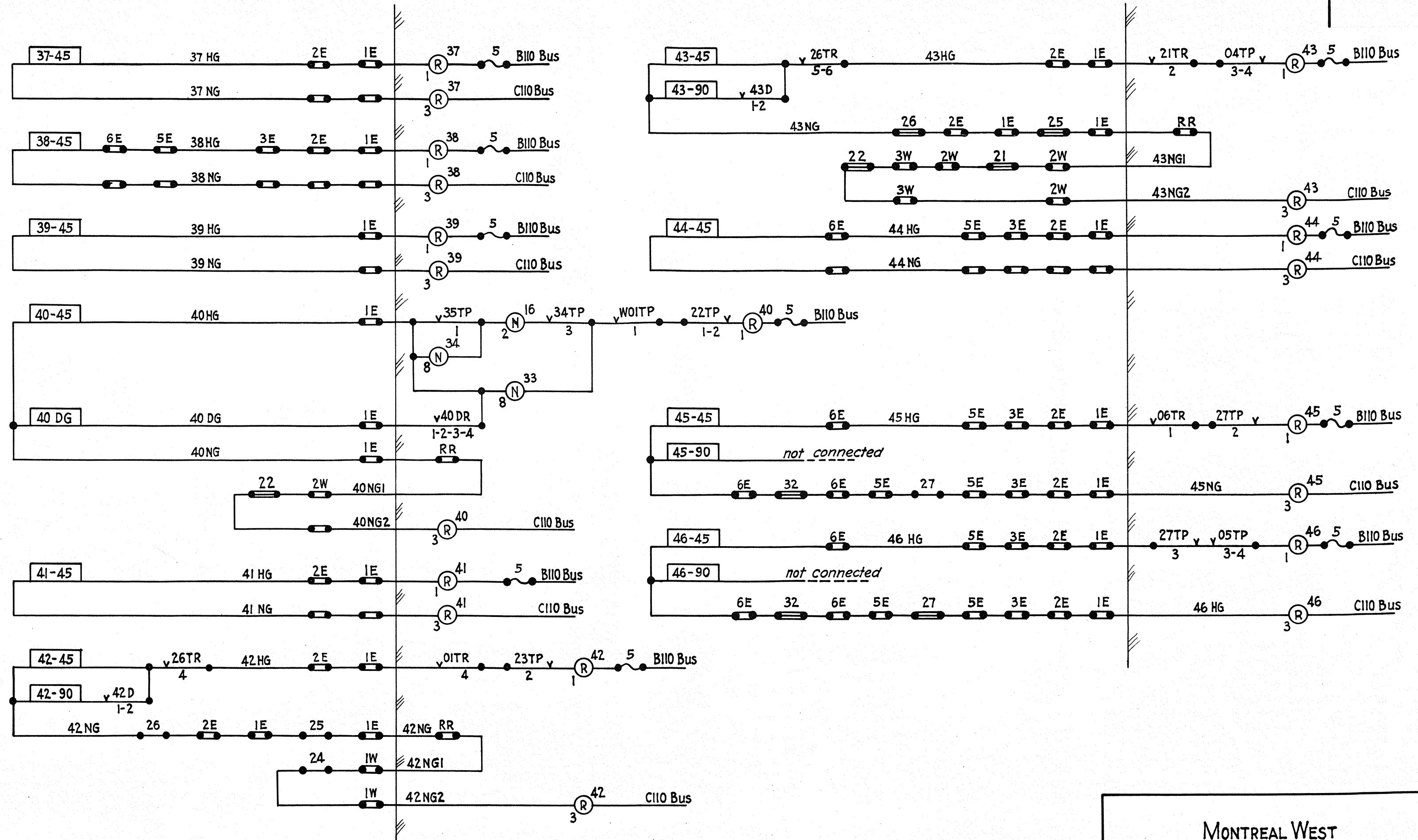


MONTREAL WEST

SIGNAL CONTROL CIRCUITS

SIGNALS 1 TO 17

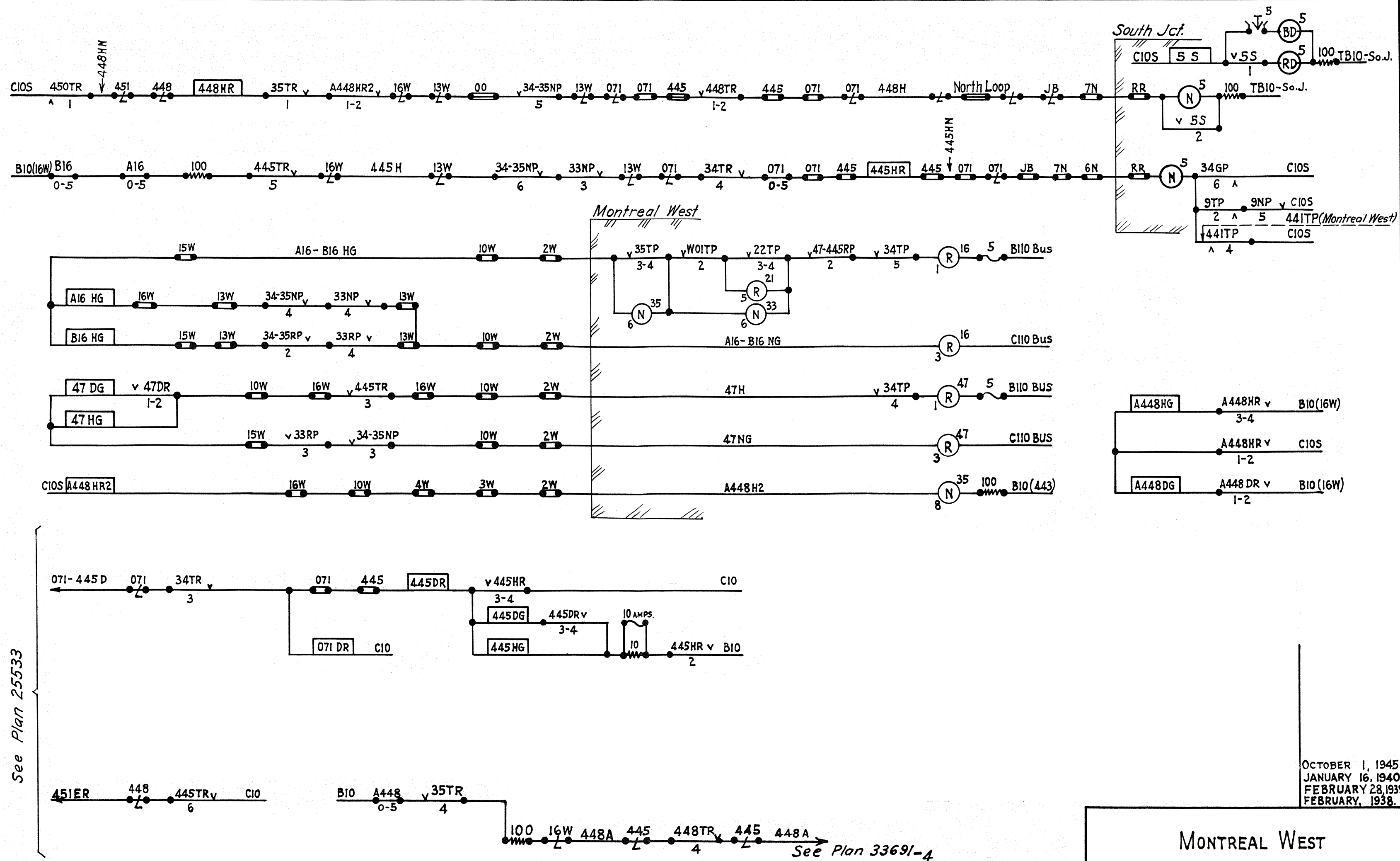
SHEET 2 OF 19.



MONTREAL WEST

SIGNAL CONTROL CIRCUITS
SIGNALS 37 TO 46

SHEET 3 OF 19.



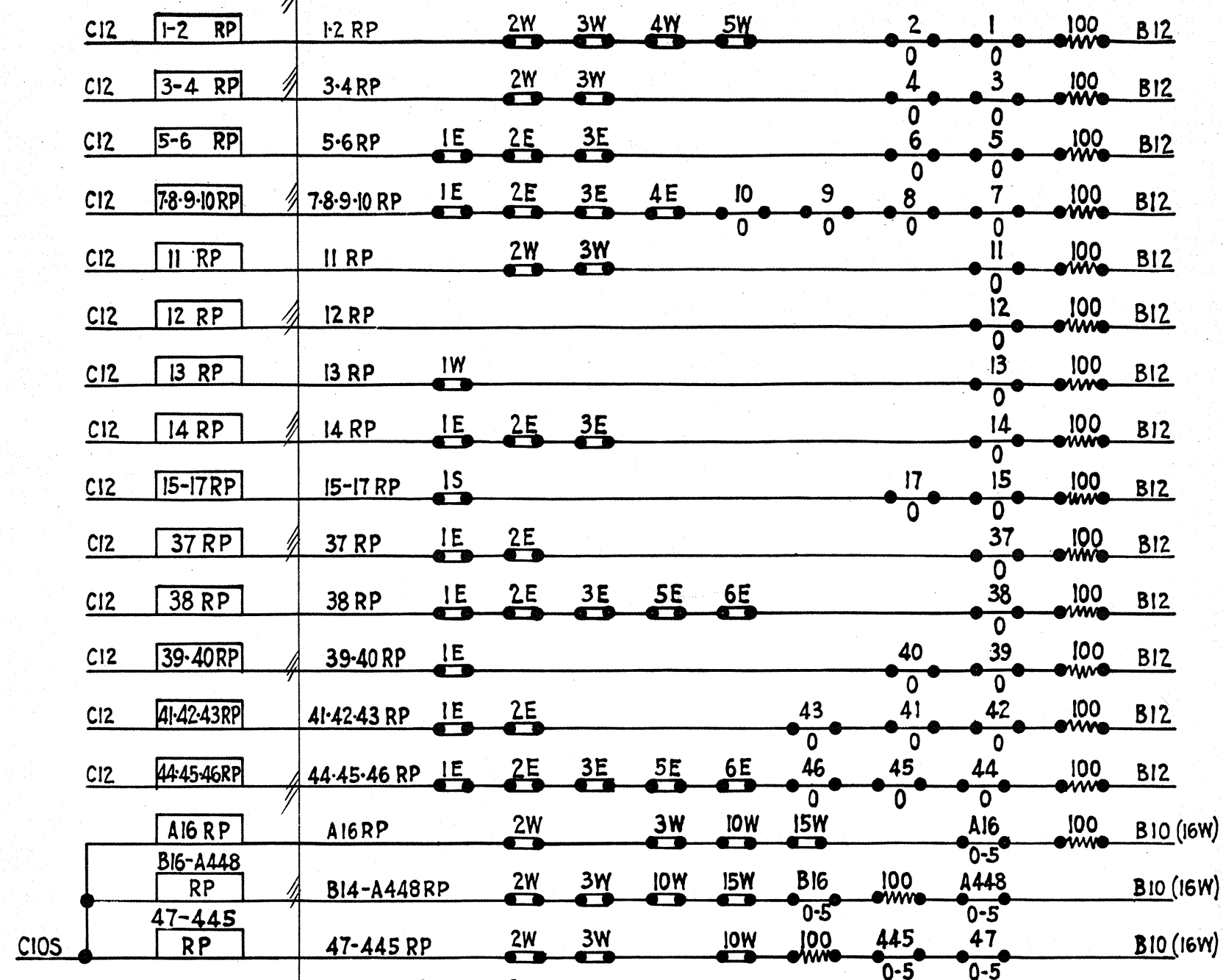
OCTOBER 1, 1945.
JANUARY 16, 1940.
FEBRUARY 28, 1939
FEBRUARY, 1938.

MONTREAL WEST OUTLYING SIGNAL CONTROLS SWITCH INDICATOR

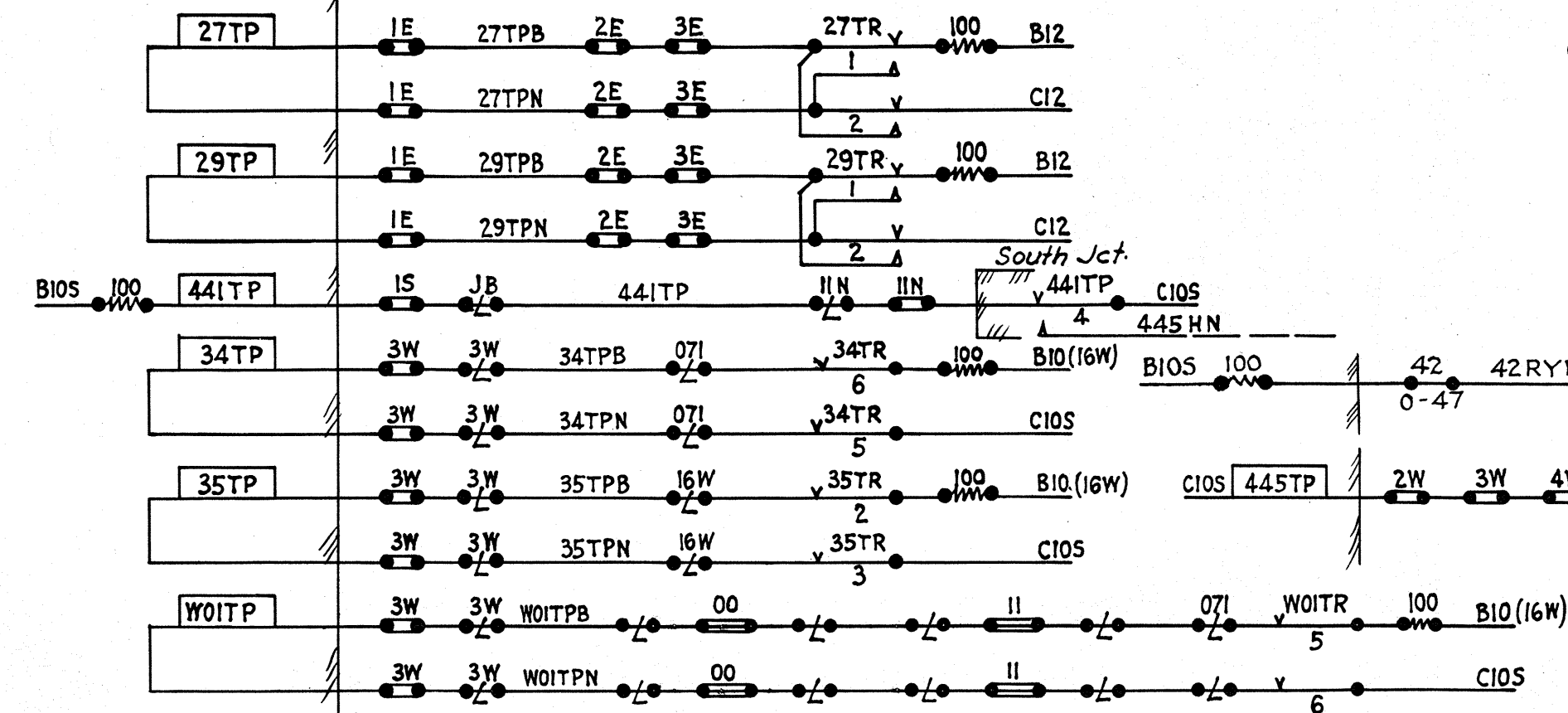
SHEET 4 OF 19.

57604-4

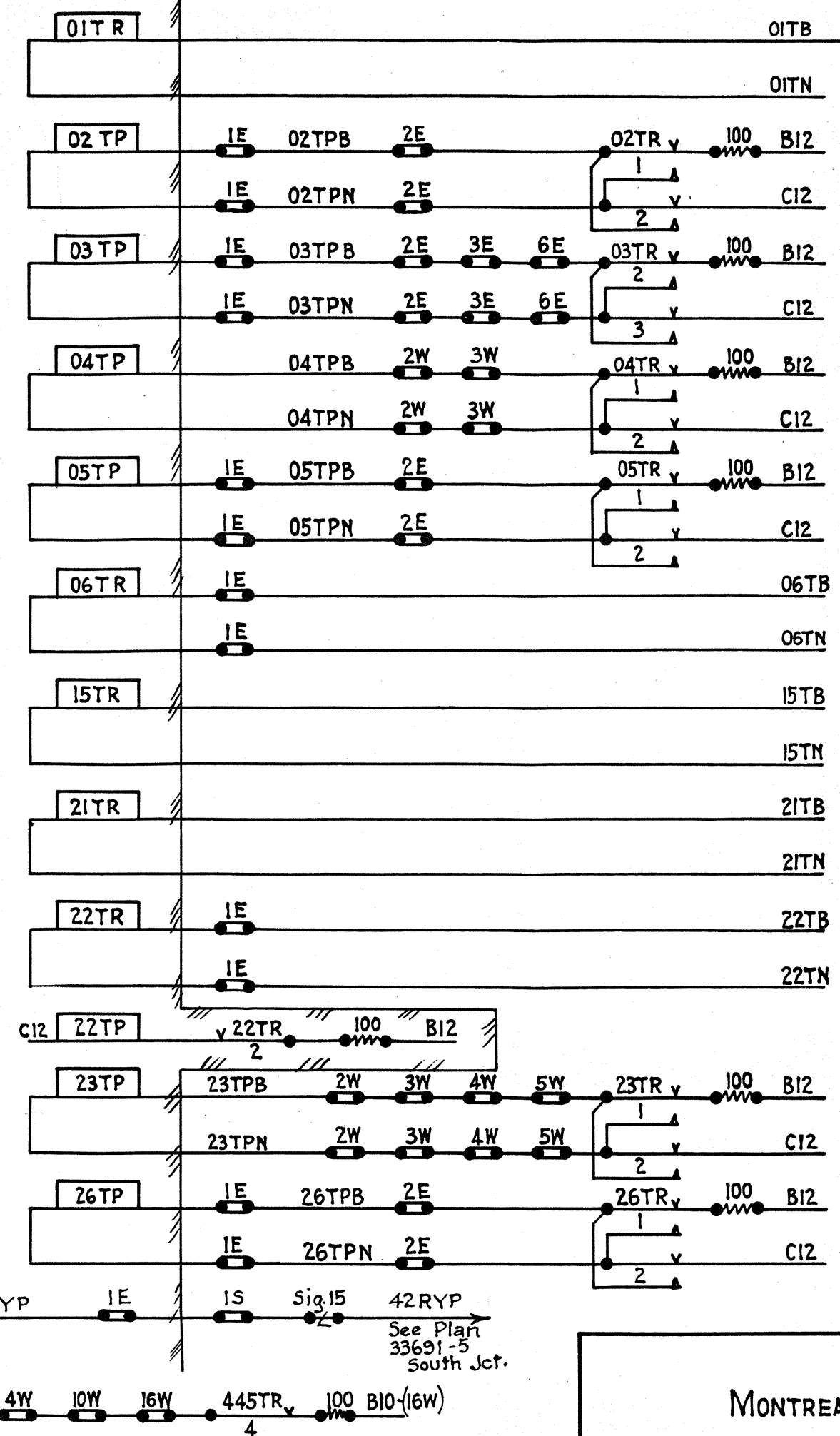
SIGNAL REPEATER CIRCUITS.



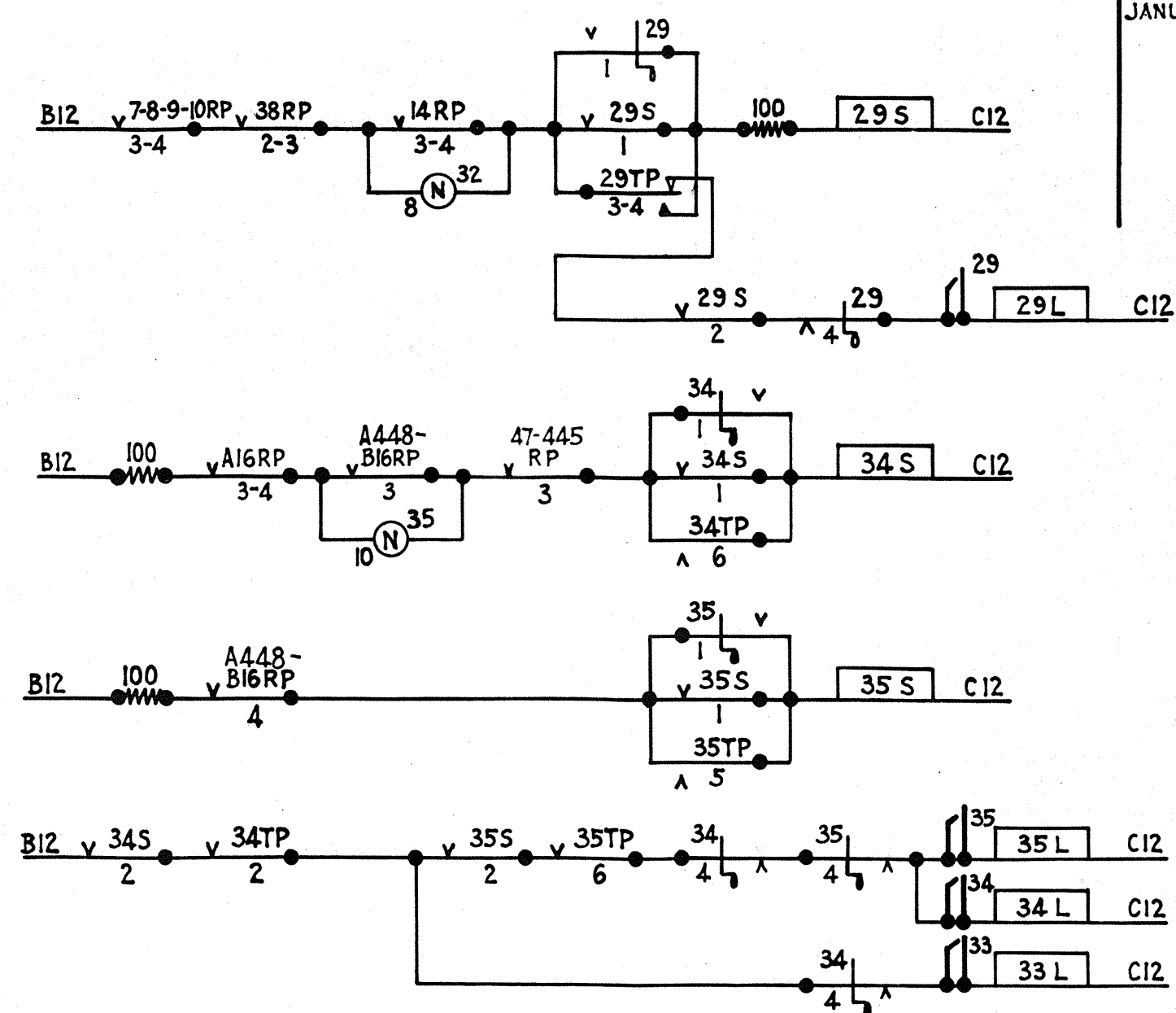
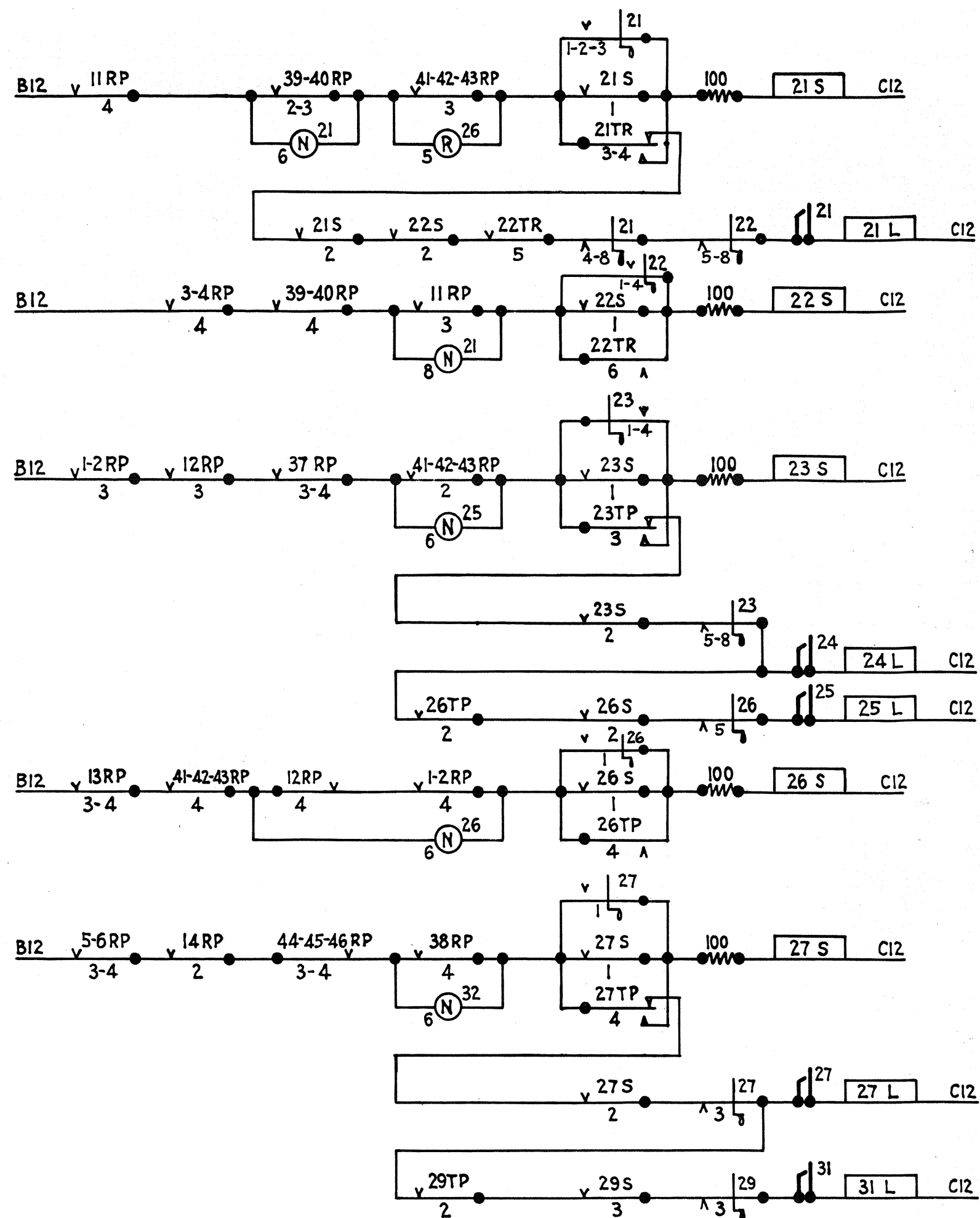
TRACK REPEATER CIRCUITS.



TRACK REPEATER CIRCUITS.



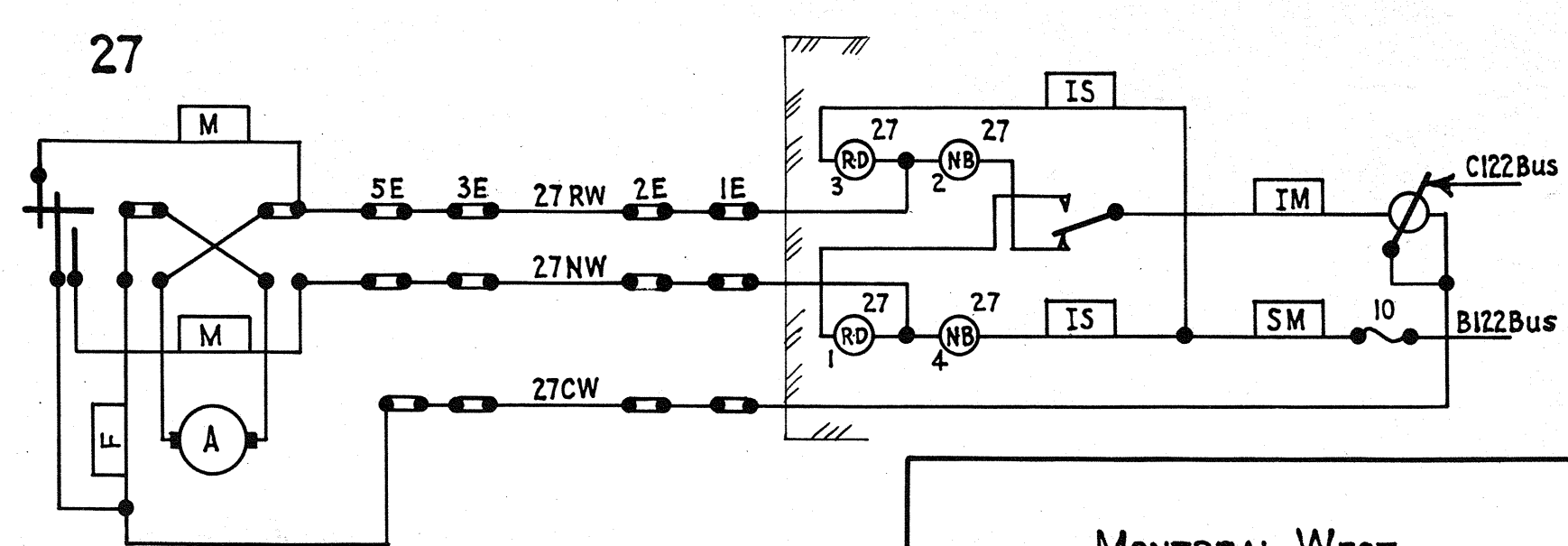
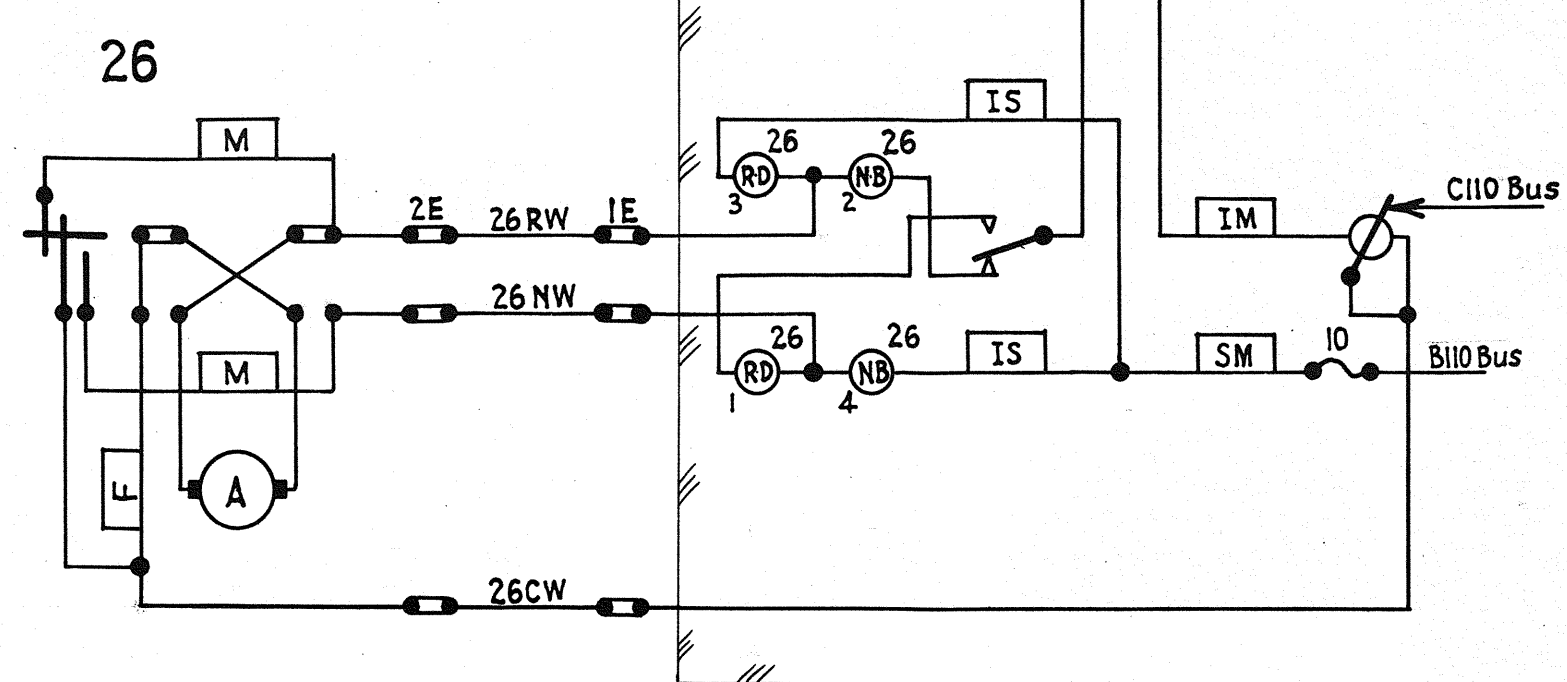
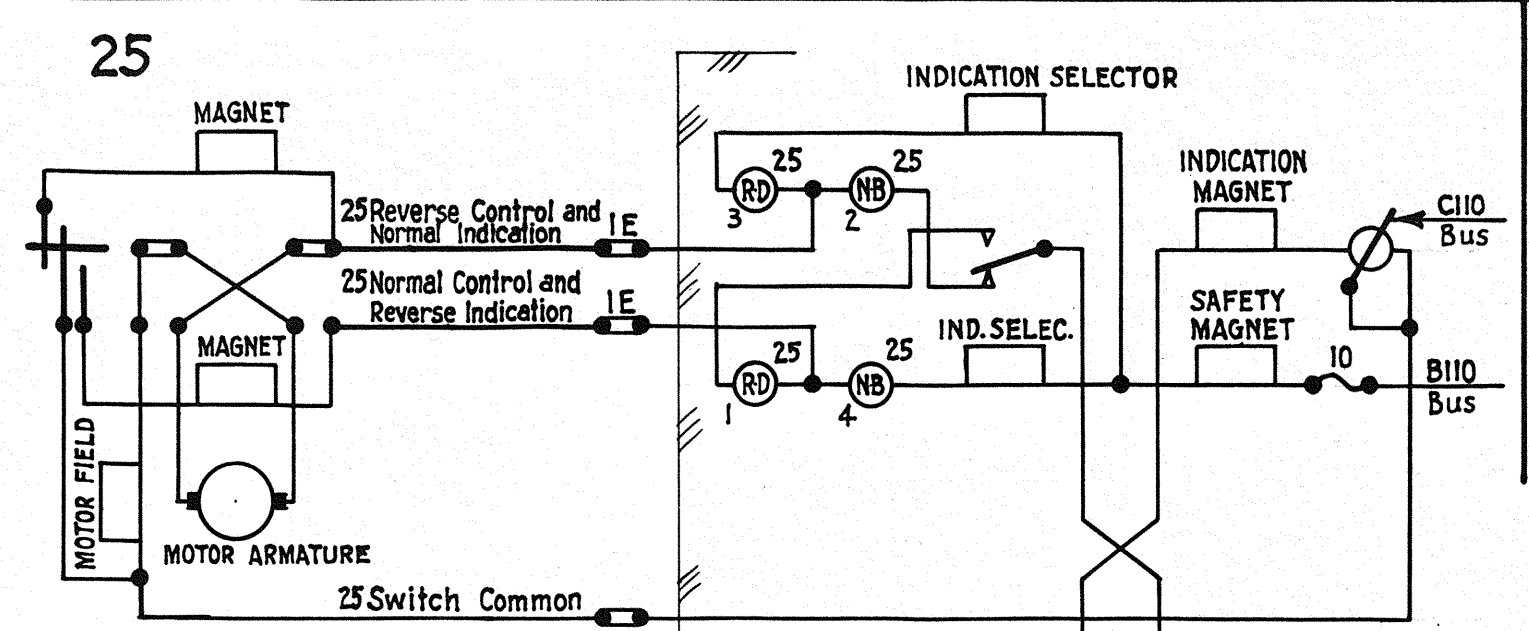
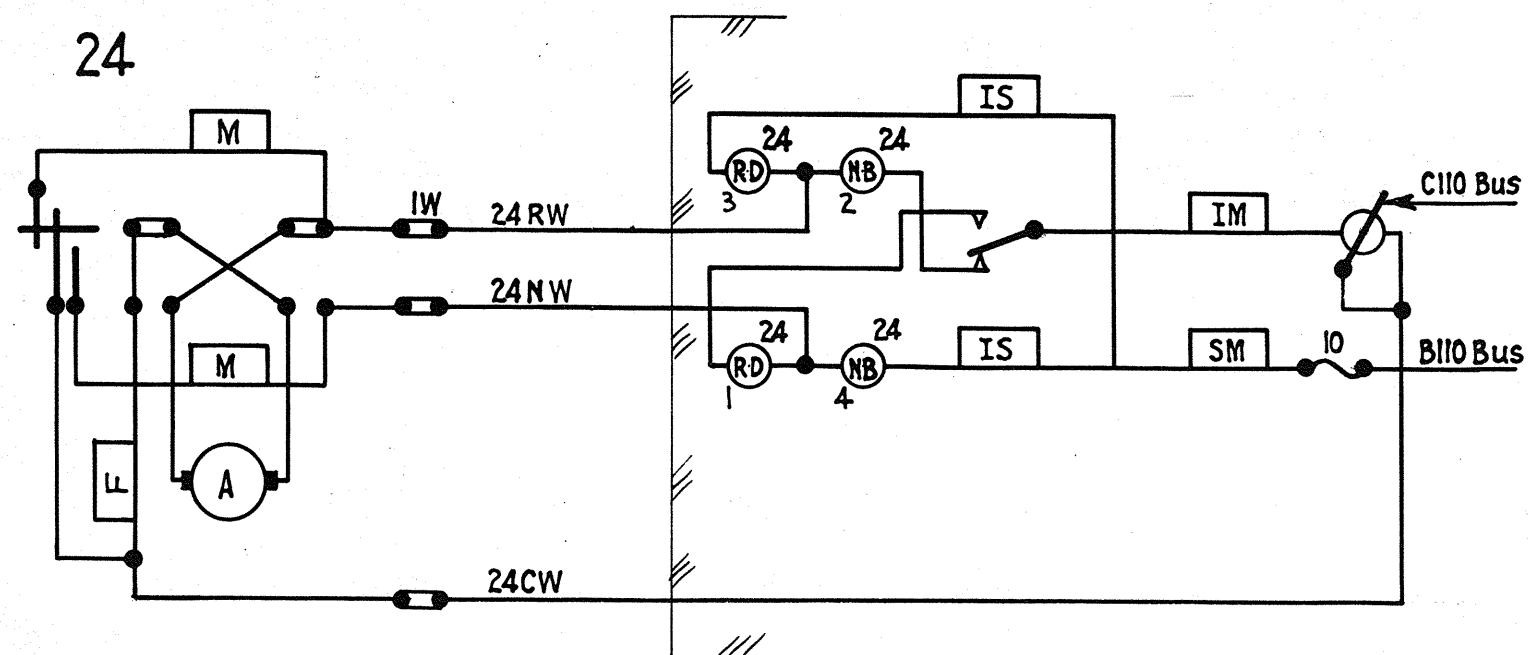
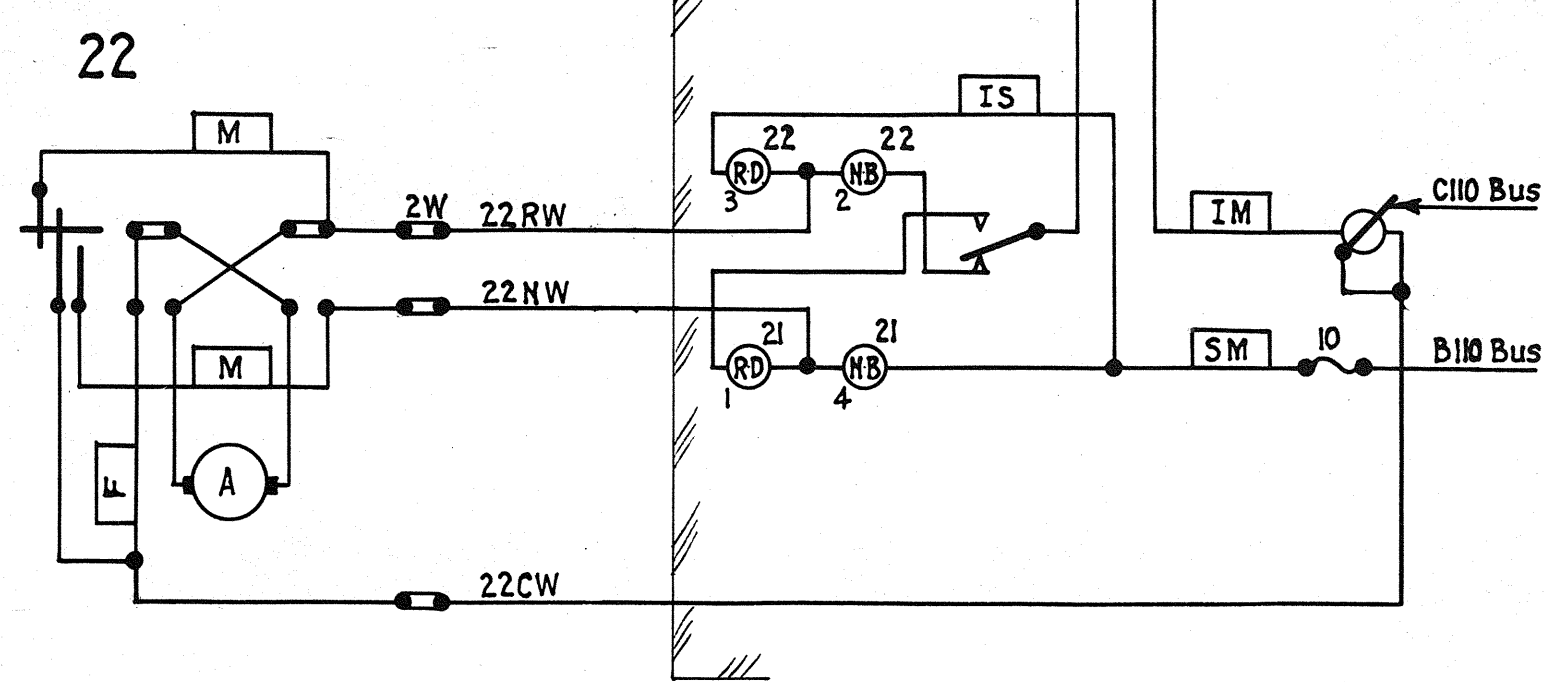
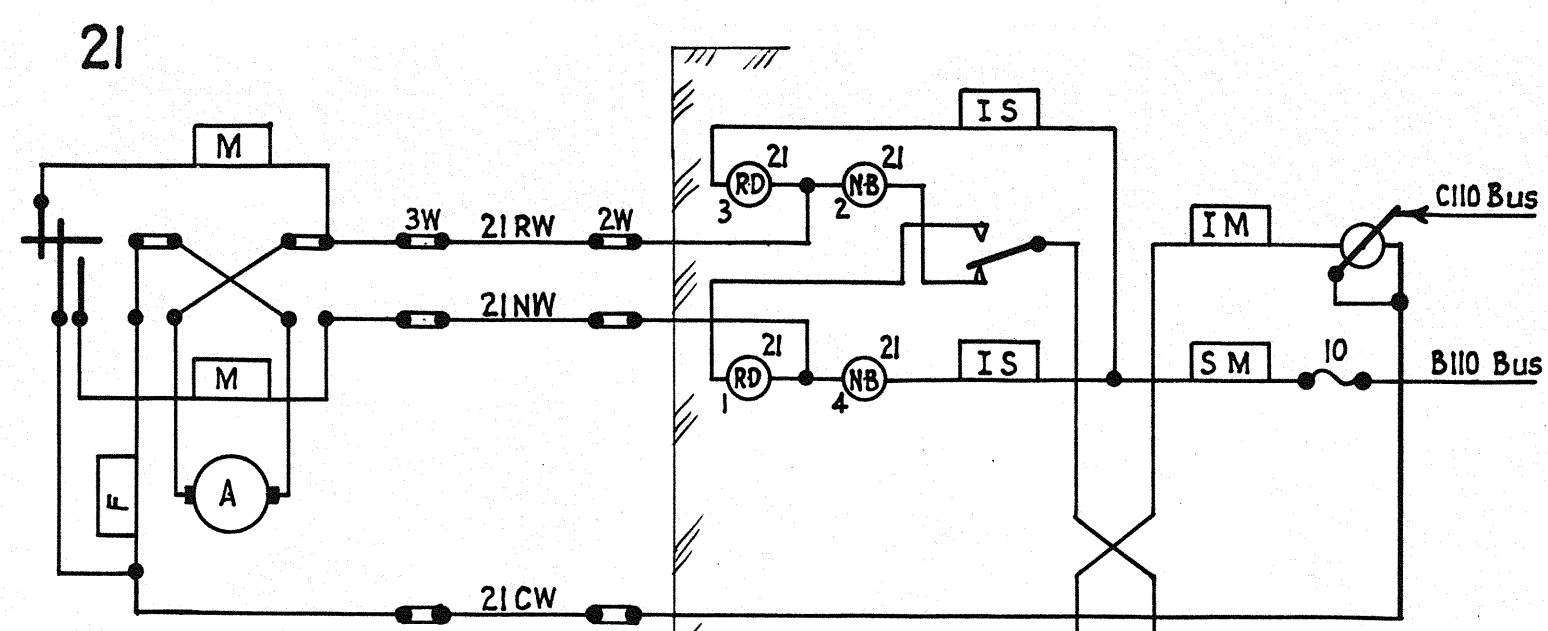
MONTREAL WEST
SIGNAL REPEATER CIRCUITS
TRACK REPEATER CIRCUITS



MONTREAL WEST

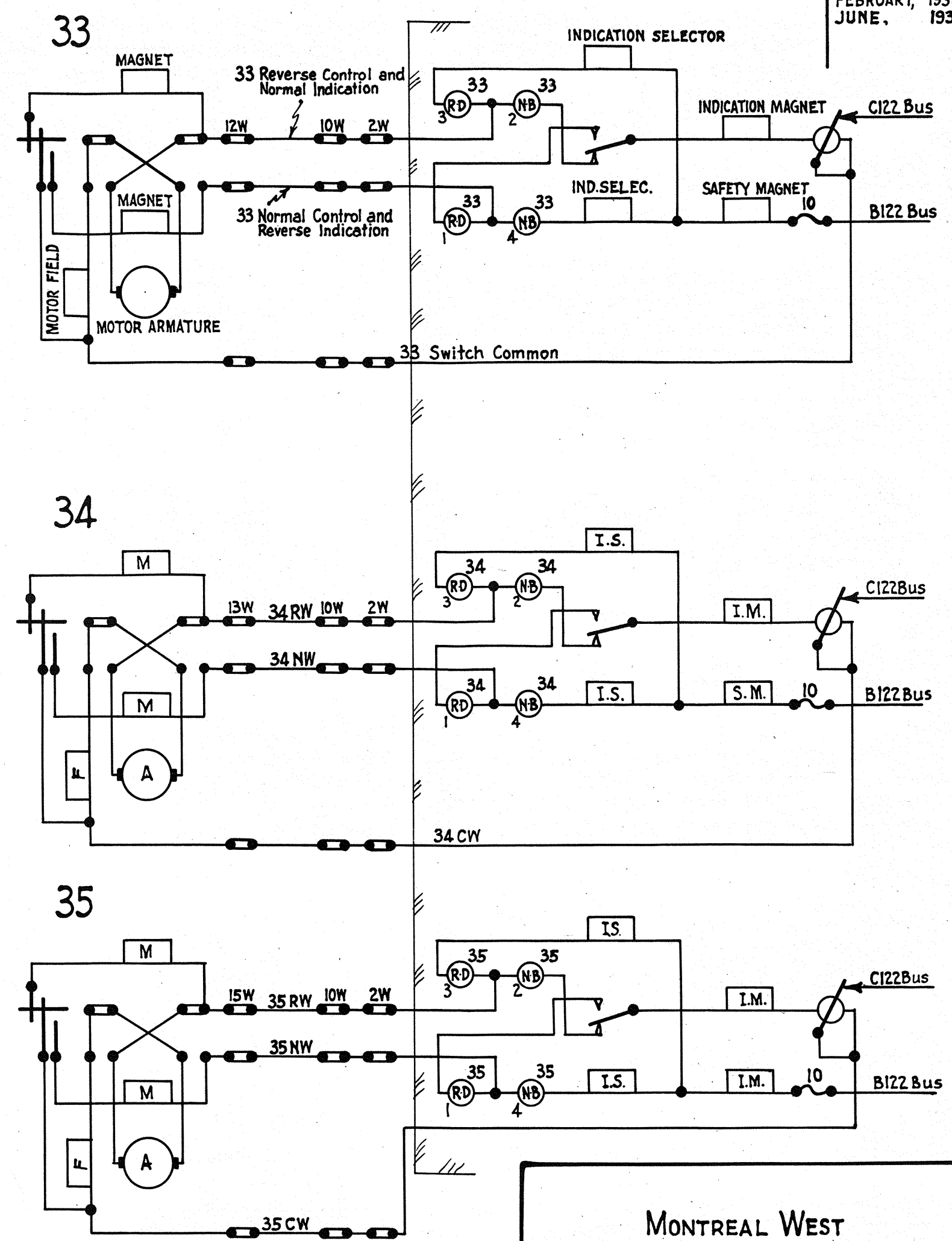
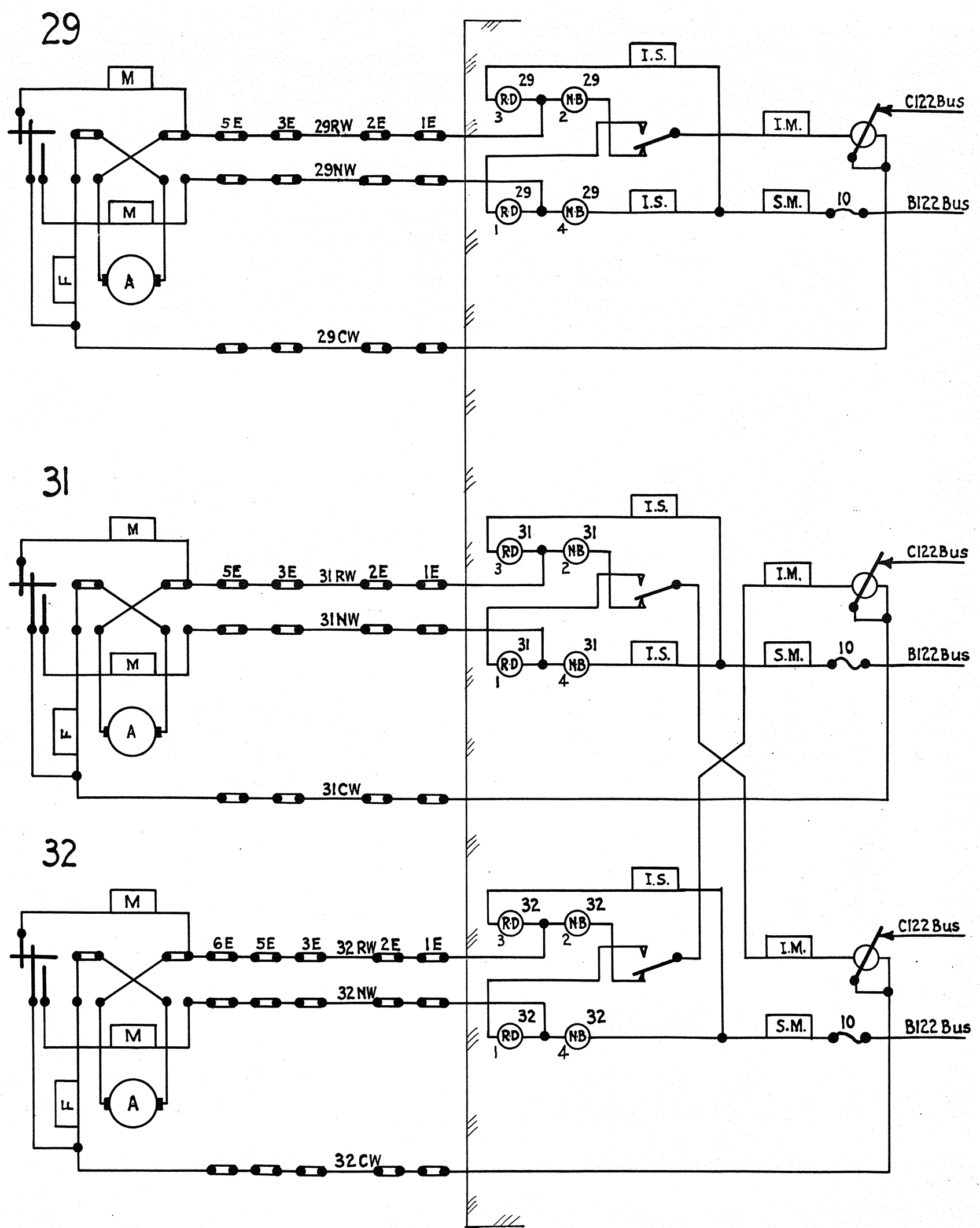
APPROACH, ROUTE, AND DETECTOR LOCK CIRCUITS

SHEET 6 OF 19.



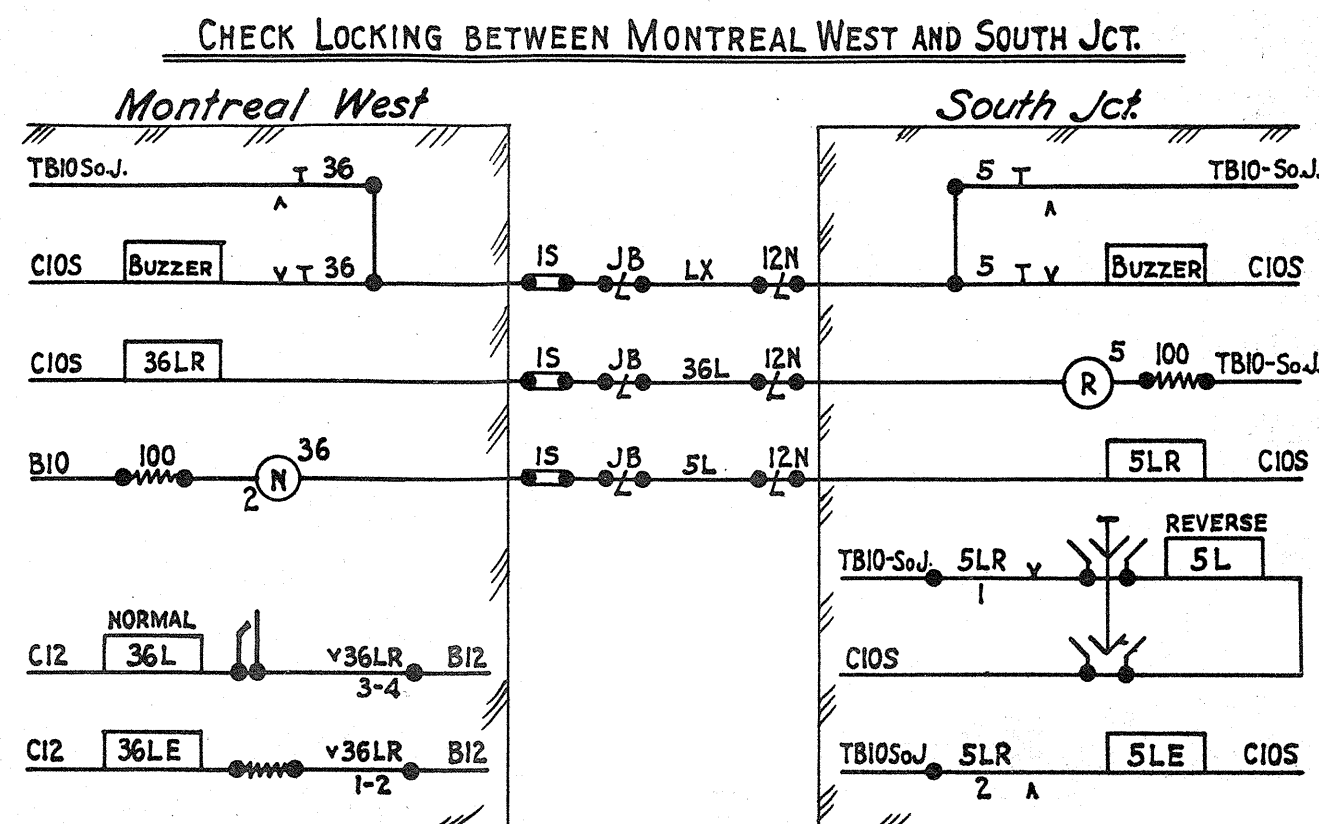
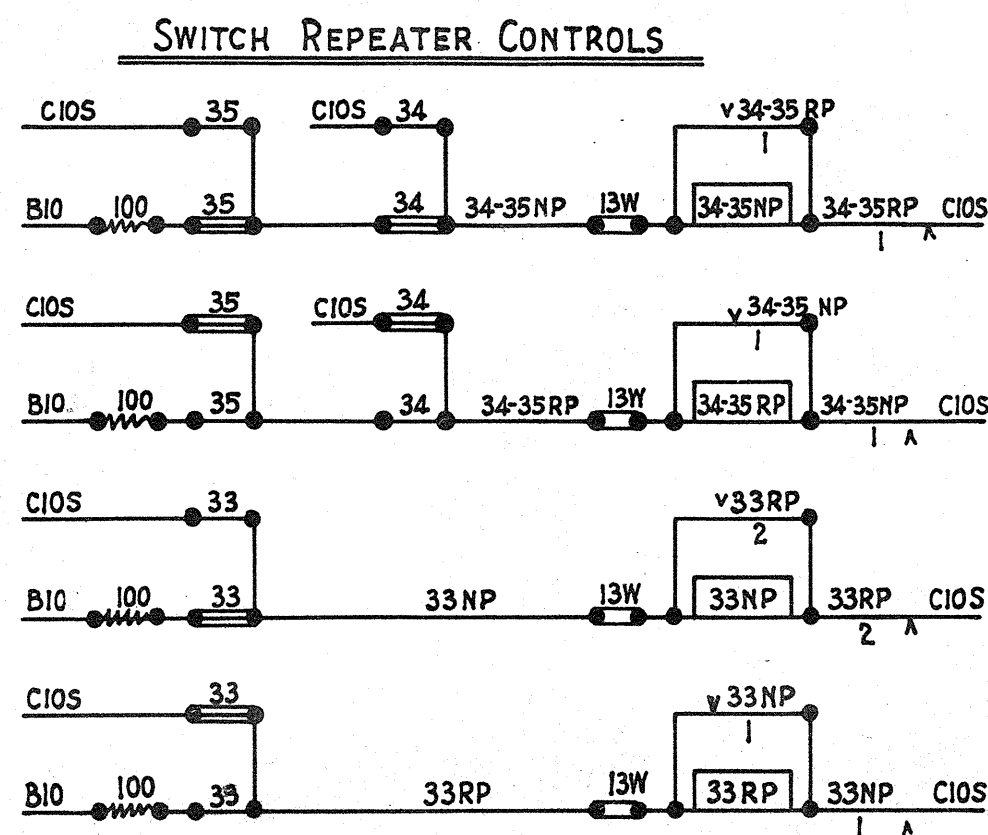
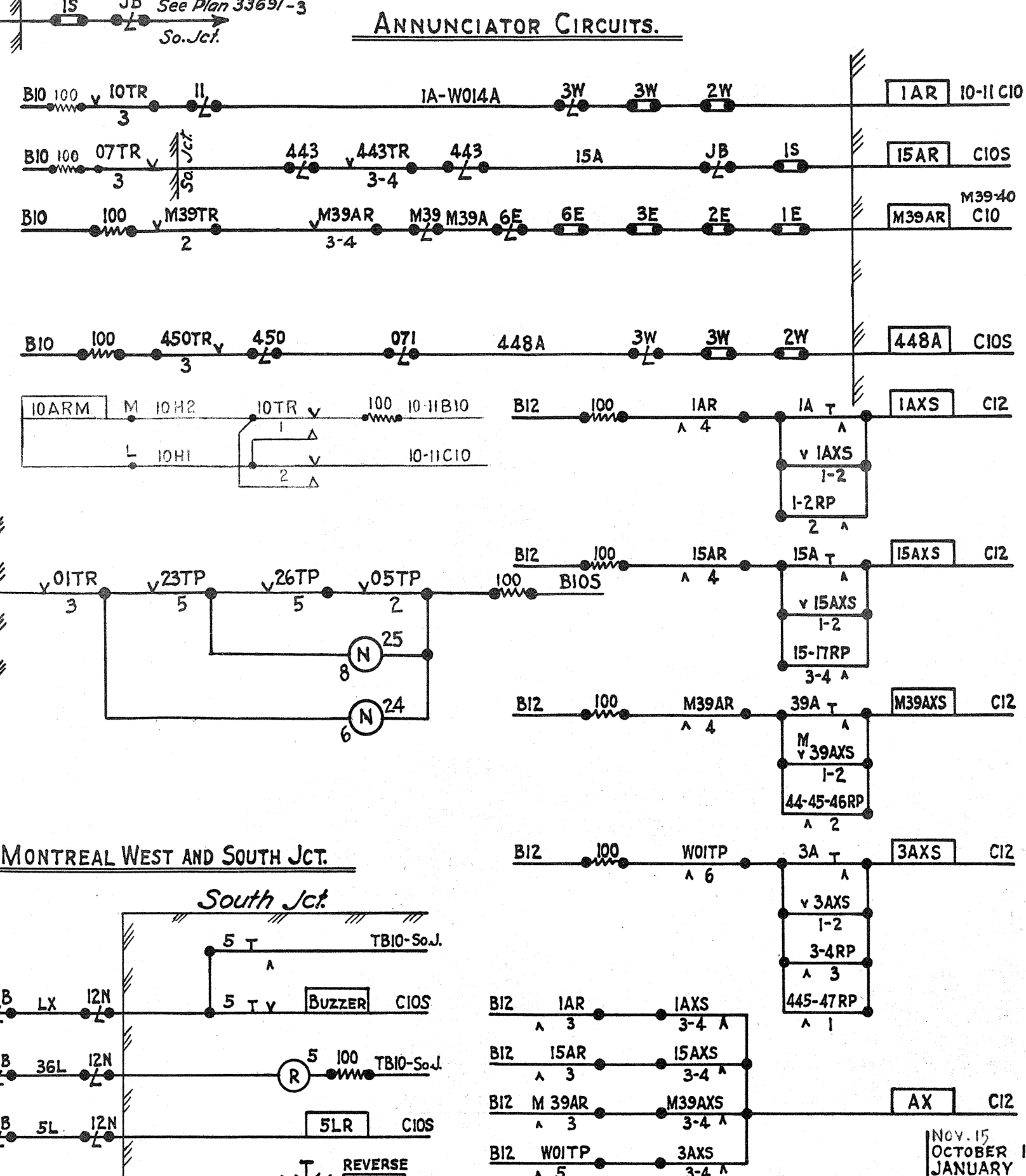
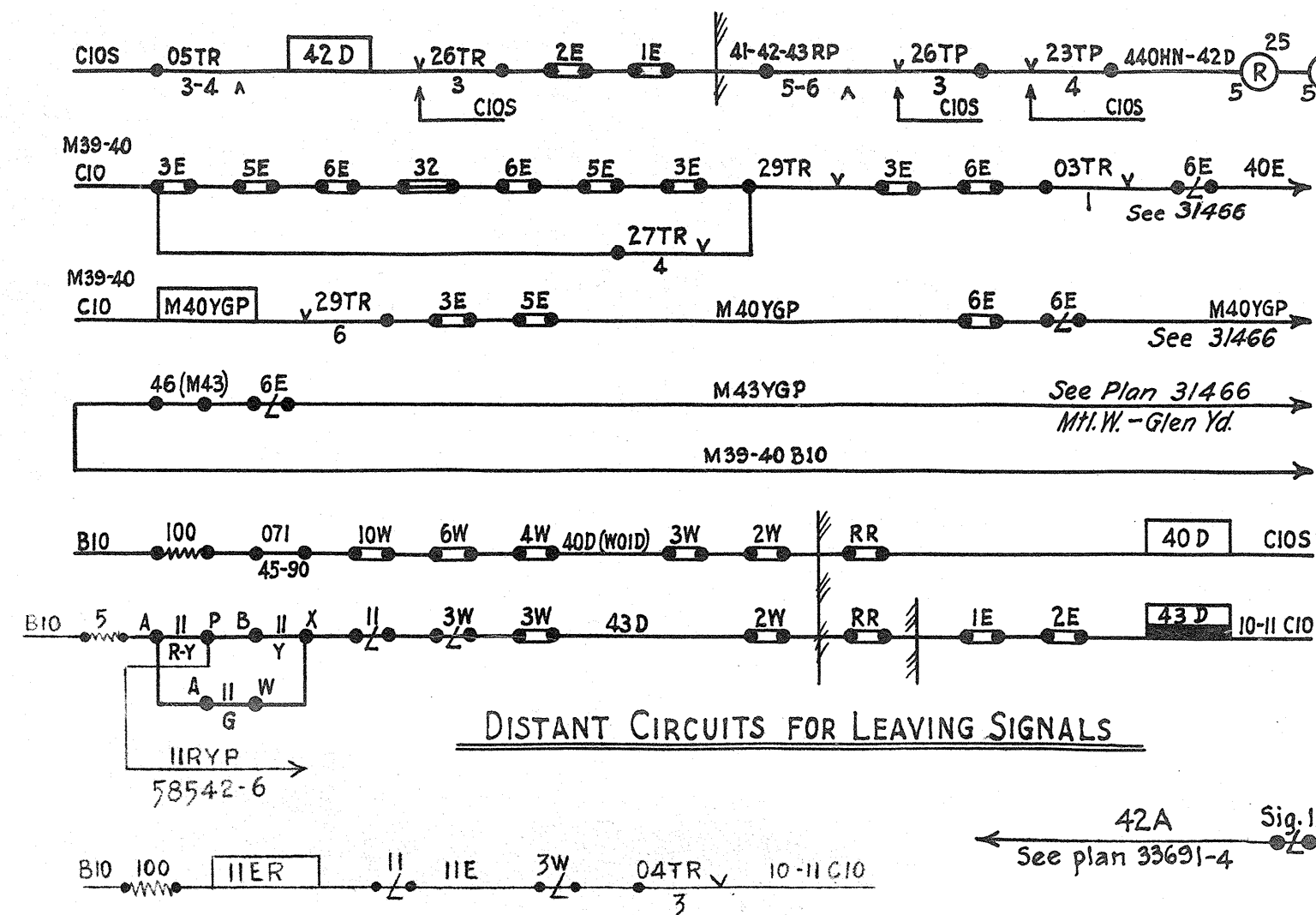
All switch machines are GRS Model 2.

MONTREAL WEST
CONTROL CIRCUITS FOR
SWITCHES 21-22, 24, 25-26, 27



All switch machines are GRS Model 2.

MONTREAL WEST
CONTROL CIRCUITS FOR
SWITCHES 29, 31-32, 33, 34, 35



MONTREAL WEST

DISTANT CIRCUITS FOR LEAVING SIGNALS

ANNUNCIATOR CIRCUITS

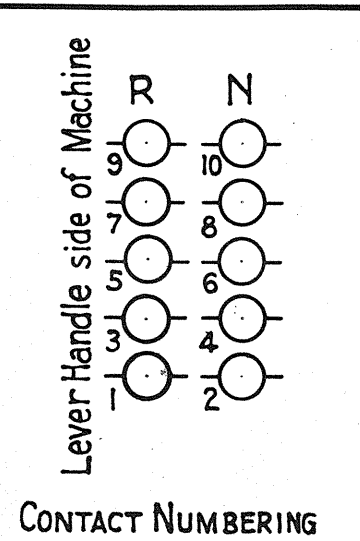
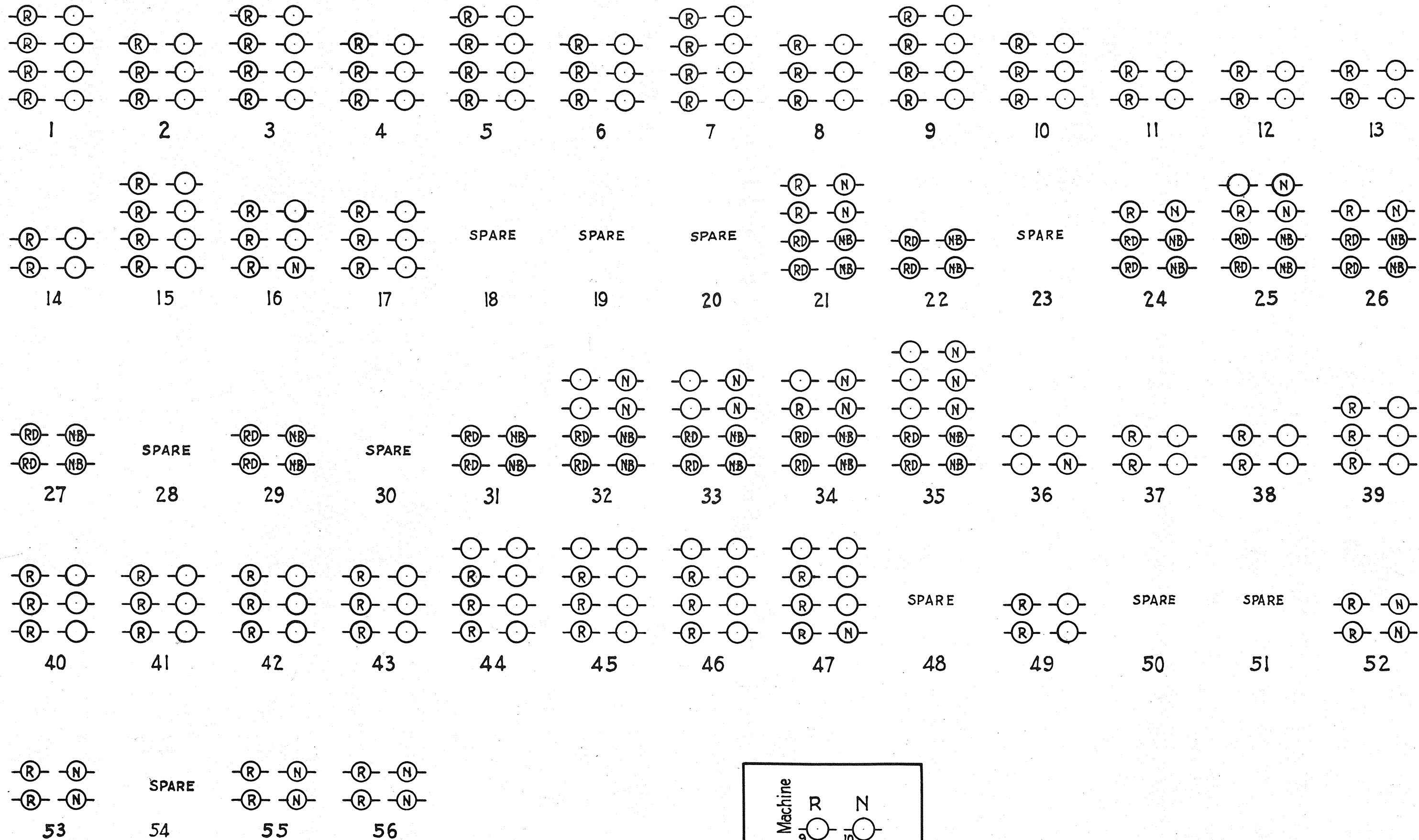
SWITCH REPEATER CONTROLS

CHECK LOCKING BETWEEN MTL. WEST AND SO. JCT.

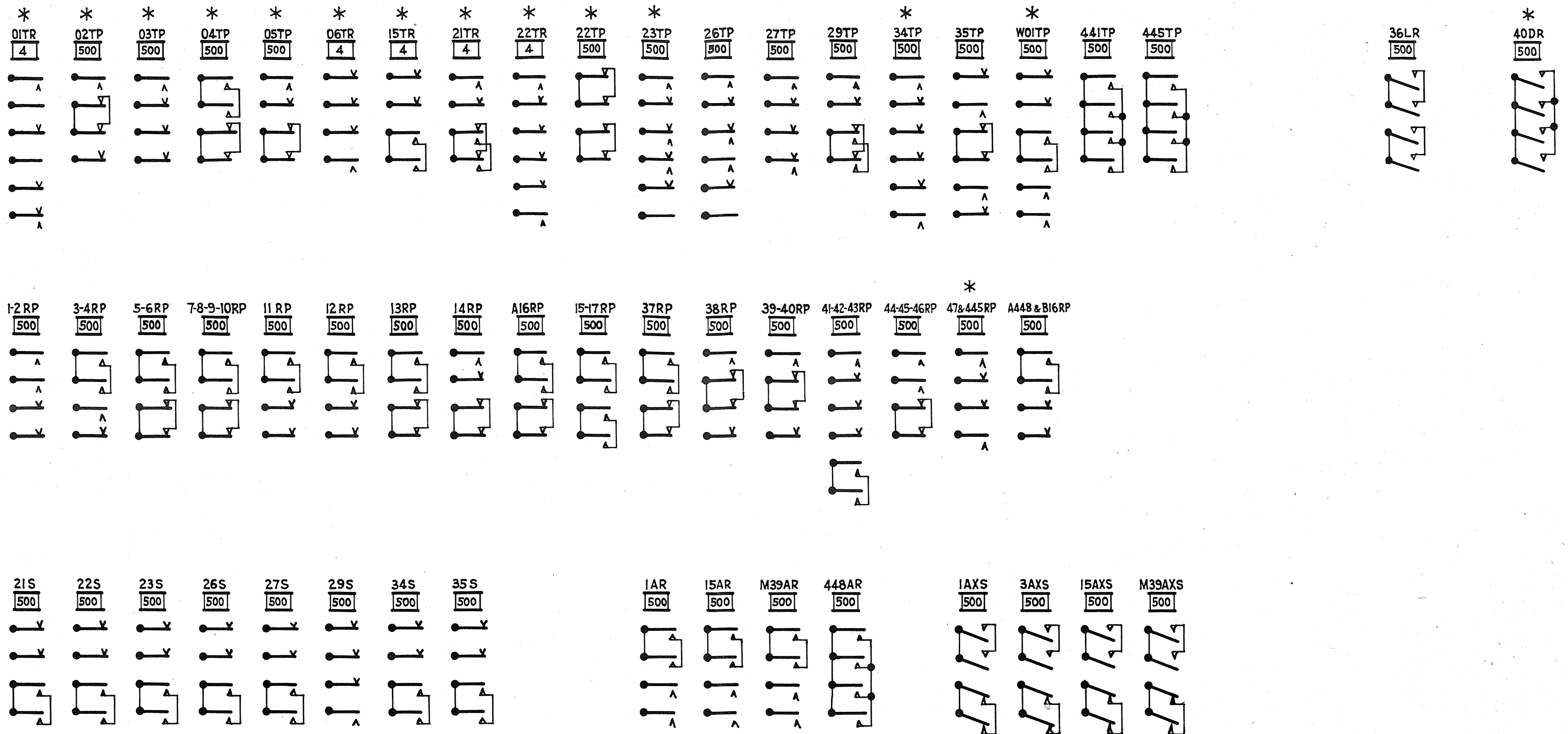
SHEET 9 OF 19.

NOV. 15 1946
OCTOBER 1, 1945
JANUARY 1945
FEBRUARY, 1938.

57604-9



MONTREAL WEST
LEVER CONTACTS



OCTOBER 1, 1945.
FEBRUARY, 1938.

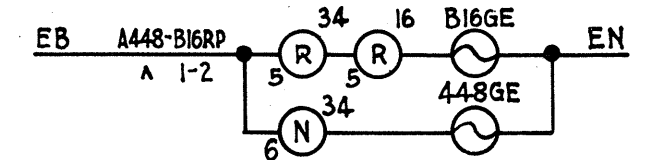
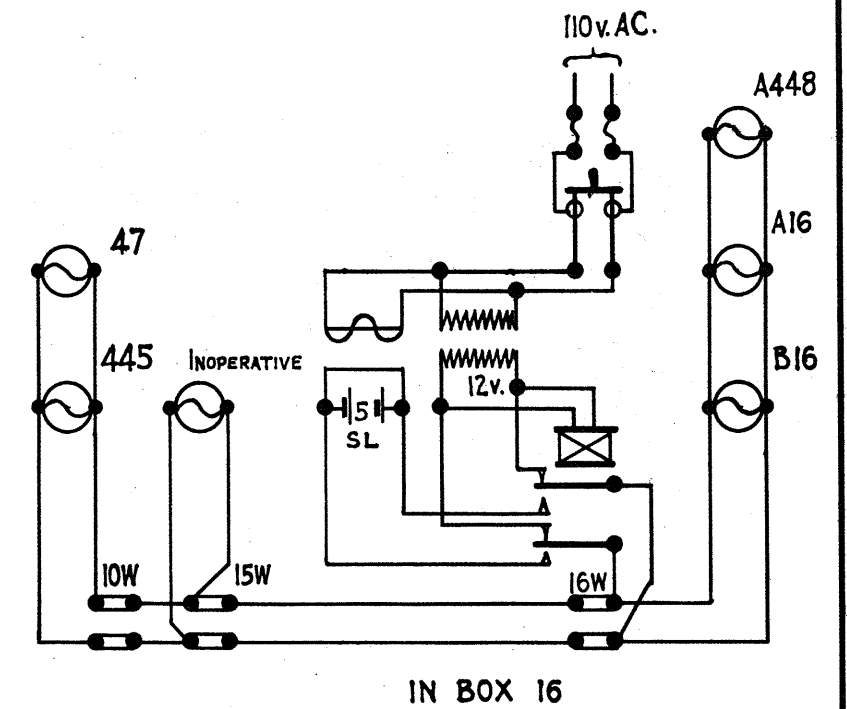
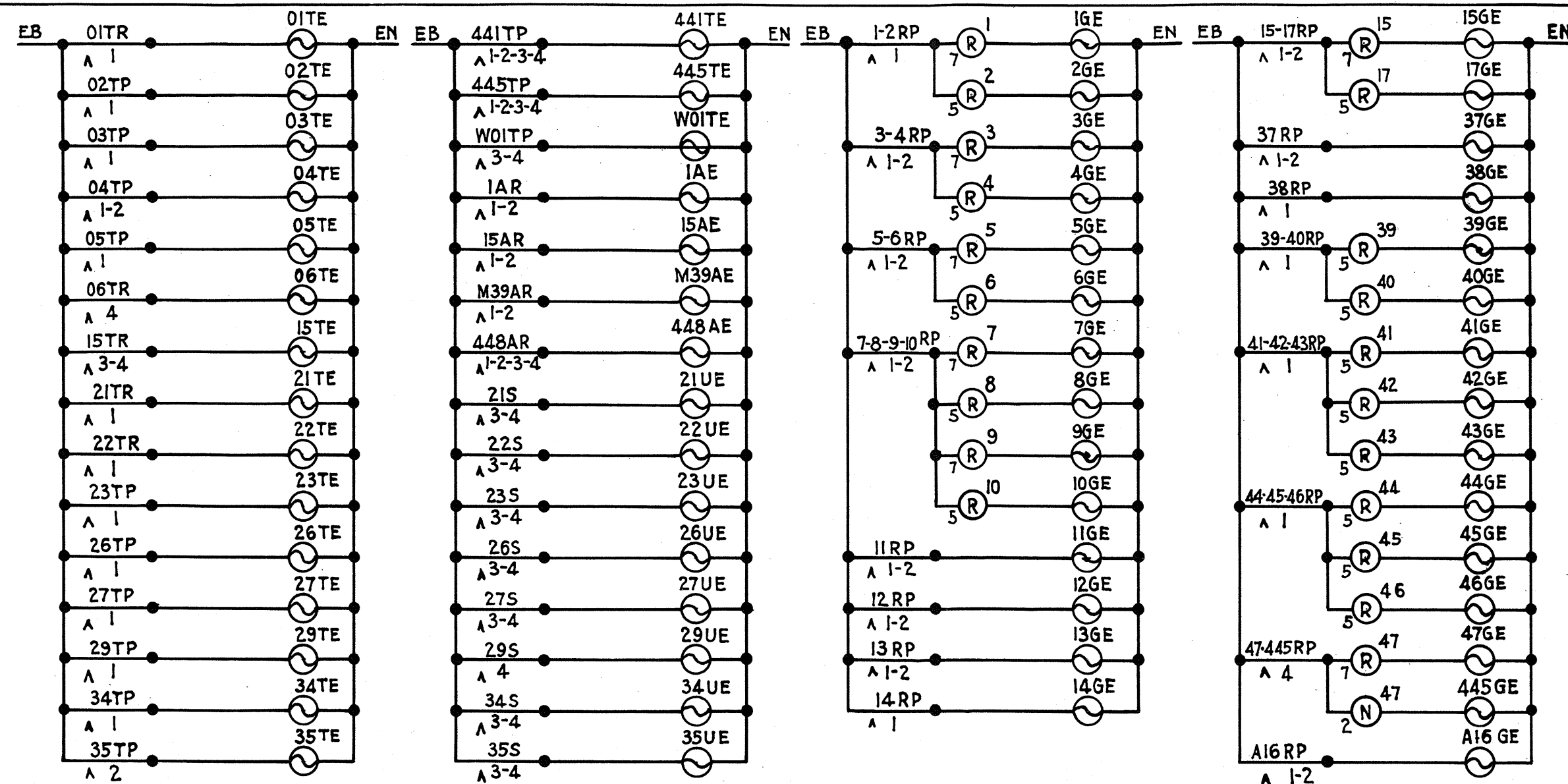
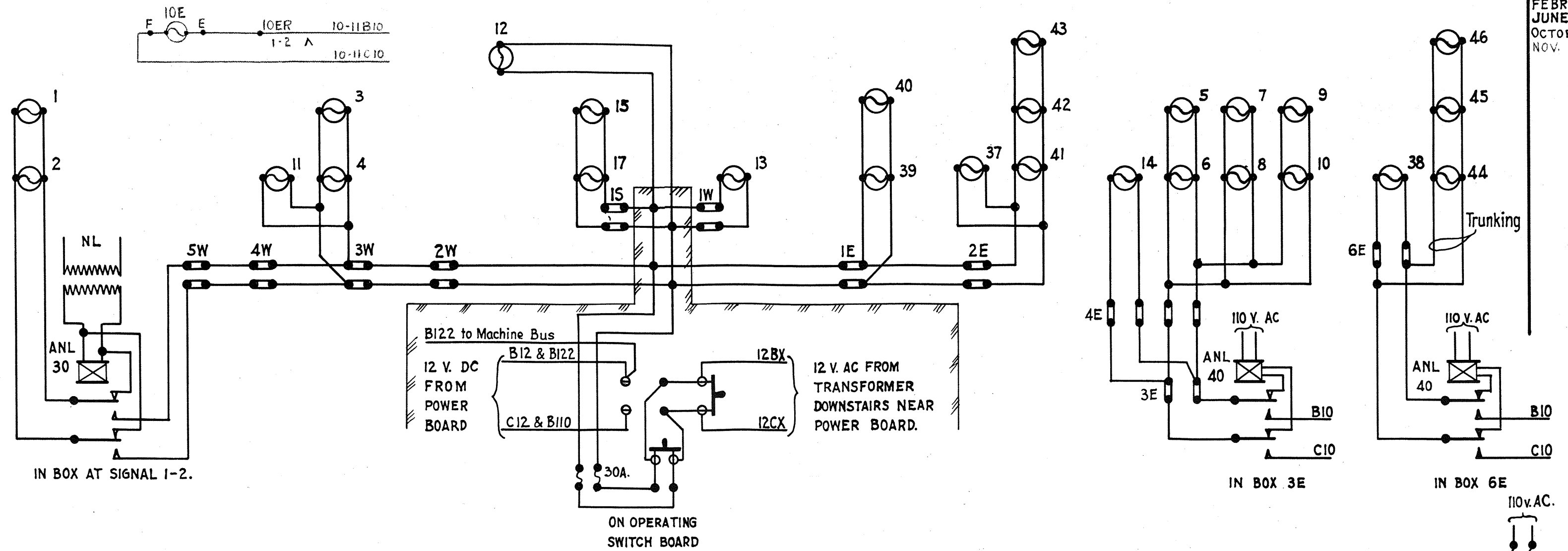
MONTREAL WEST

RELAYS IN TOWER

* - Relays marked thus are adjusted for 110 v. signal circuits.

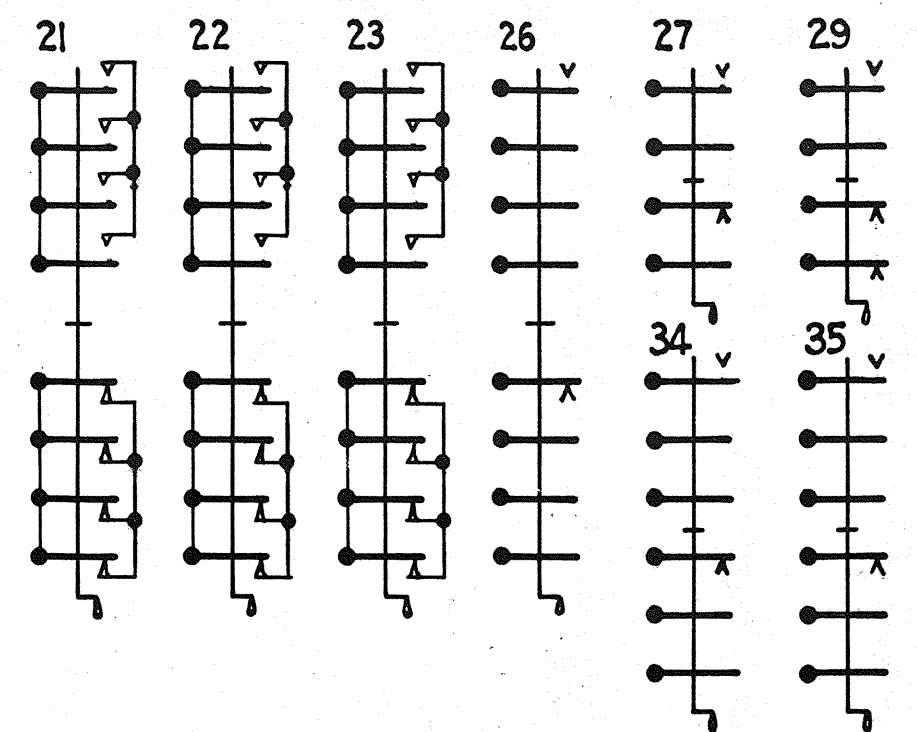
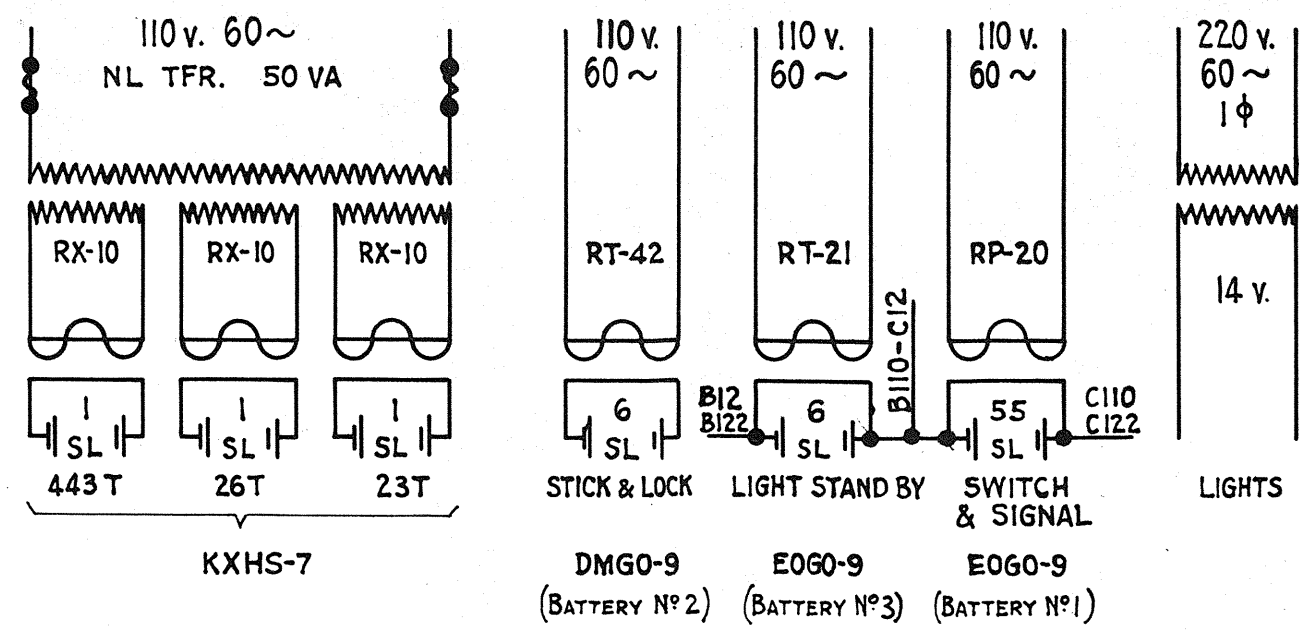
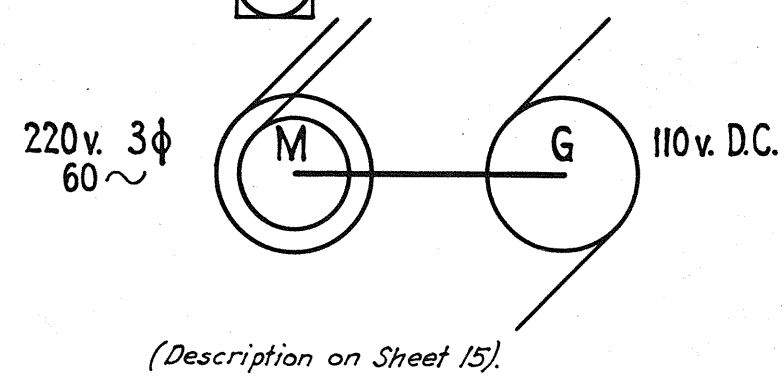
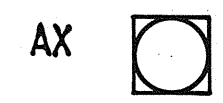
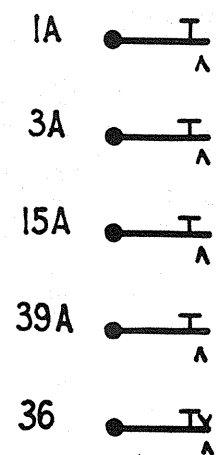
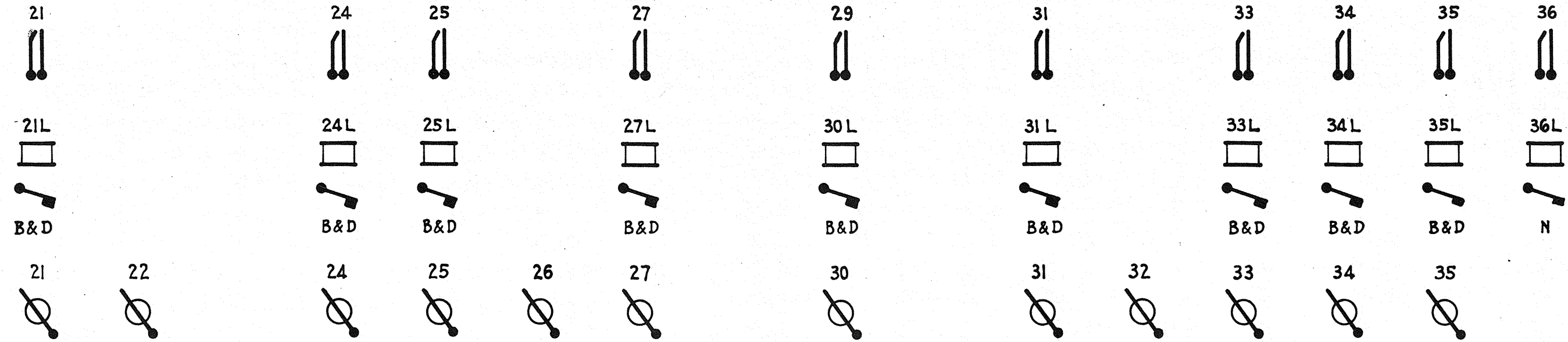
SHEET 12 OF 19.

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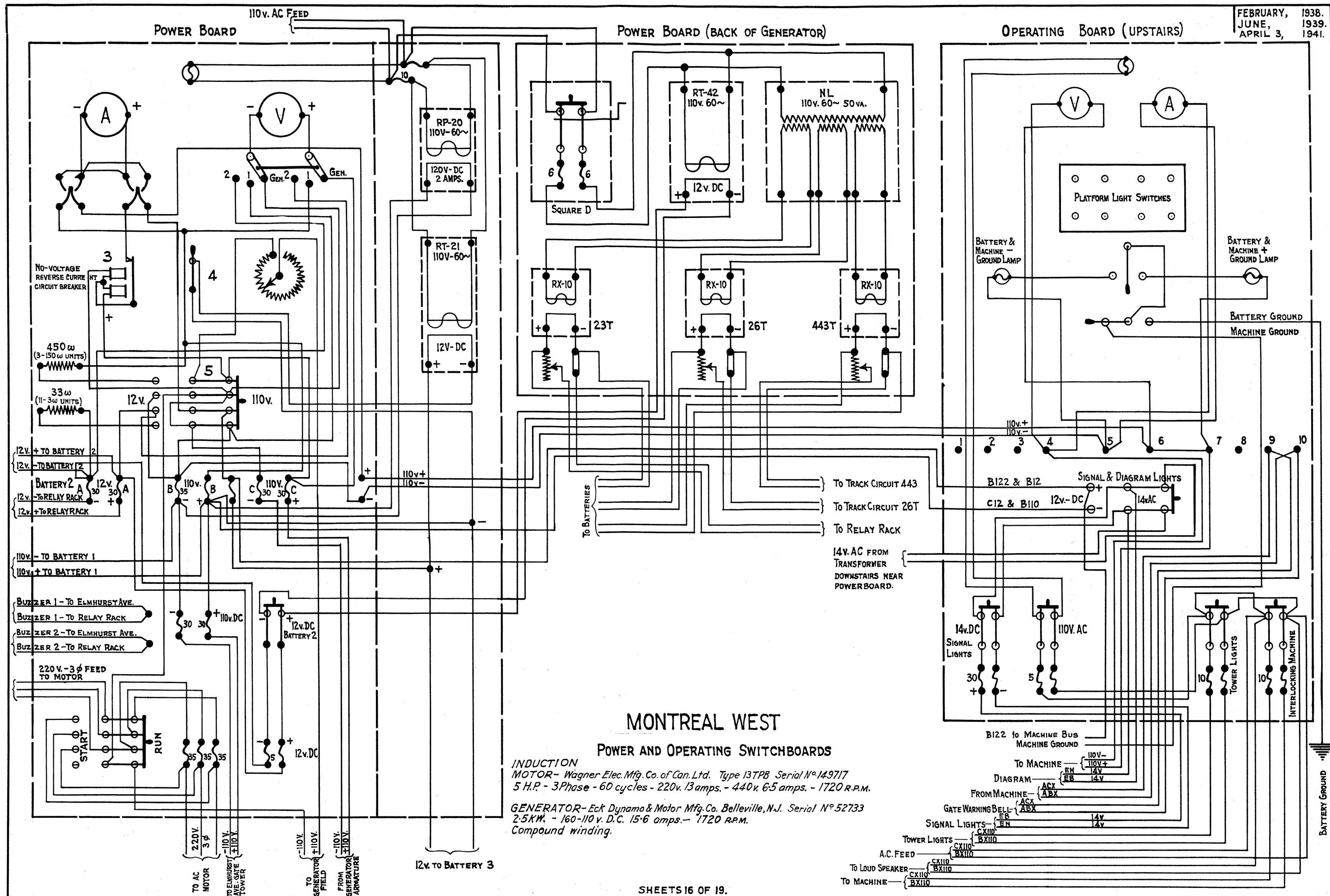
MONTREAL WEST

SIGNAL LIGHT CIRCUITS
DIAGRAM LIGHT CIRCUITS



MONTREAL WEST

APPARATUS IN TOWER



TOWER TO Box 1E								Box 1E to Box 2E								Box 2E to Box 3E								Box 3E to Box 4E								Box 3E to SIGNAL 14							
CABLE C 65 Cdr. Parkway				CABLE D 47 Cdr. Parkway				CABLE E 47 Cdr. Parkway				CABLE F 50 Cdr. Parkway				CABLE G 68 Cdr. Parkway				CABLE S 9 Cdr. Parkway				CABLE T 9 Cdr. Parkway				CABLE U 9 Cdr. Parkway				9 Cdr. Parkway							
	WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE							
1	1DG		54	29TPN		66	8NG	Nº14	48	1NG 1	Nº14	1	1DG	Nº14	54	B12	Nº12	1	EB	Nº14	10	7HG	Nº14	19	EB	Nº14			1	14HG	Nº14								
2	1NG 1		55	23TB		67	M39A	"	49	1NG 2	"	2	3DG	"	55	C12	"	2	EB	"	11	7DG	"	20	EB	"			2	14NG	"								
3	1NG 2		56	23TN		68	5-6 RP	"	50	5HG	"	3	5HG	"	56	27NW	"	3	EB	"	12	7NG	"	21	EB	"			3	B12	"								
4	3DG		57	38RP		69	7-8-9-10RP	"	51	7HG	"	4	5NG	"	57	27RW	"	4	EN	"	13	8HG	"	22	EN	"			4	14RP	"								
5	5HG		58	44-45-46RP		70	14RP	"	52	14HG	"	5	6HG	"	58	27CW	"	5	EN	"	14	8NG	"	23	EN	"			5	EB	"								
6	5NG		59	440HN-42D		71	37RP	"	53	38HG	"	6	6NG	"	59	29RW	"	6	EN	"	15	9HG	"	24	EN	"			6	EN	"								
7	6HG		60	B10S		72	39-40RP	"	54	37HG	"	7	7HG	"	60	29CW	"	7	7-8-9-10RP	"	16	9DG	"	25	10HG	"			7	SPARE	"								
8	6NG		61	SPARE 1		73	41-42-43RP	"	55	42HG	"	8	7NG	"	61	31NW	"	8	B12	"	17	9NG	"	26	10NG	"			8	SPARE	"								
9	7HG		62	" 2		74	M39-40 C10	"	56	43HG	"	9	8HG	"	62	31RW	"	9	C12	"	18	1DG	"	27	15DG	"			9	SPARE	"								
10	7NG		63	" 3		75	10-11 C10	"	57	45HG	"	10	9NG	"	63	32NW	"																						
11	8HG		64	" 4		76	55Gate UP	"	58	45NG	"	11	9HG	"	64	32RW	"																						
12	9HG		65	42 RYP		77	55Gate DOWN	"	59	46HG	"	12	10HG	"	65	SPARE	Nº6																						
13	9NG					78	Phone 1	"	60	15DG	"	13	10NG	"	66	SPARE	"																						
14	10HG					79	Phone 2	"	61	41NG	"	14	14HG	"	67	SPARE	"																						
15	10NG					80	26CW	"	62	42NG	"	15	14NG	"	68	SPARE	"																						
16	14HG					81	27CW	"	63	44-45-46RP	"	16	15DG	"																									
17	14NG					82	27CW	"	64	41-42-43 RP	"	17	38HG	"																									
18	15DG					83	29CW 2	"	65	38RP	"	18	38NG	"																									
19	37HG					84	32CW	"	66	37NG	"	19	44HG	"																									
20	37NG					85	32CW	"	67	44HG	"	20	45HG	"																									
21	38HG					86	SPARE 3	"	68	43NG	"	21	45NG	"																									
22	38NG					87	02TPB	"	69	440HN-42D	"	22	45DG	"																									
23	39HG					88	03TPB	"	70	43D	"	23	46HG	"																									
24	39NG					89	05TPB	"	71	PHONE 1	"	24	46NG	"																									
25	40HG					90	26TPB	"	72	PHONE 2	"	25	46DG	"																									
26	40NG					91	27TPB	"	73	10-11 C10	"	26	M39A	"																									
27	41HG					92	29TPB	"	74	C10 SOUTH	"	27	M39-40 C10	"																									
28	41NG					93	27RW	Nº12	75	23TB	"	28	PHONE 1	"																									
29	42HG					94	27NW	"	76	27CW	"	29	PHONE 2	"																									
30	42NG					95	29RW	"	77	27CW	"	30	5-6 RP	"																									
31	40DG					96	29NW	"	78	29CW	"	31	7-8-9-10RP	"																									
32	43HG					97	31RW	"	79	29CW	"	32	14RP	"																									
33	43NG					98	31NW	"	80	M39A	"	33	38RP	"																									
34	43D					99	32RW	"	81	SPARE 1	"	34	44-45-46RP	"																									
35	44HG					100	32NW	"	82	SPARE 2	"	35	03TPB	"																									
36	44NG					101	B12	"	83	42RYP	"	36	03TPN	"																									
37	45HG					102	B12	"	84	M39-40 C10	Nº12	37	27TPB	"																									
38	45NG					103	C12	"	85	1DG	"	38	27TPN	"																									

TOWER TO BOX 1W						TOWER TO BOX 2W												Box 2W TO Box 3W						Box 3W TO Box 4W						Box 4W TO Box 5W							
CABLE B 22 Cdr. Parkway						CABLE A 50 Cdr. Parkway				CABLE K 24 Cdr. Parkway				CABLE L 14 Cdr. Parkway				CABLE O 14 Cdr. Parkway			CABLE N 28 Cdr. Parkway			CABLE M 28 Cdr. Parkway			CABLE Q 14 Cdr. Parkway			CABLE P 28 Cdr. Parkway			CABLE R 28 Cdr. Parkway				
	WIRE	SIZE					WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		WIRE	SIZE		
1	13RP	Nº14				1	WOITPB	Nº14	26	21 CW	Nº14	51	35TPN	Nº12	75	33RW	Nº8	1	33NW	Nº8	15	04TPB	Nº14	43	43D	Nº14	1	34 NW	Nº8	15	1NG	Nº14		1	1HG	Nº14	
2	1NG (to)	"				2	WOITPN	"	27	22CW	"	52	04TPN	"	76	33NW	"	2	33 RW	"	16	04TPN	"	44	WOITPB	"	2	34 RW	"	16	1DG	"	2	1DG	"		
3	1NG (from)	"				3	34TPB	"	28	C10 S	"	53	A16RP	"	77	33CW	"	3	33 CW	"	17	23TPB	"	45	WOITPN	"	3	34 CW	"	17	1HG	"	3	1NG	"		
4	42NG (to)	"				4	04TPB	"	29	43 D	"	54	445TP	"	78	34 RW	"	4	34 NW	"	18	23TPN	"	46	34TPB	"	4	33 NW	"	18	2NG	"	4	2HG	"		
5	SPARE	"				5	23TPB	"	30	GATE UH	"	55	40D	"	79	34 NW	"	5	34 RW	"	19	1-2 RP	"	47	34TPN	"	5	33 RW	"	19	2HG	"	5	2NG	"		
6	SPARE	"				6	23TPN	"	31	GATE DH	"	56	47-445RP	"	80	34CW	"	6	34 CW	"	20	3-4RP	"	48	35TPB	"	6	33 CW	"	20	1-2 RB	"	6	1-2 RP	"		
7	SPARE	"				7	1HG	"	32	GATE C110	"	57	B16-A448RP	"	81	35 RW	"	7	35 NW	"	21	11 RP	"	49	35TPN	"	7	35 NW	"	21	23TPB	"	7	23TPB	"		
8	SPARE	"				8	1DG	"	33	SPARE	"	58	47 HG	"	82	35 NW	"	8	35 RW	"	22	1HG	"	50	10-11 C10	"	8	35 RW	"	22	23TPN	"	8	23TPN	"		
9	SPARE	"				9	1NG	"	34	SPARE	"	59	40NG (fr.)	"	83	35 CW	"	9	35 CW	"	23	1 DG	"	51	1A	"	9	35 CW	"	23	NJ Phone	"	9	B12	"		
10	SPARE	"				10	2HG	"	35	SPARE	"	60	NJ Phone 1	"	84	EB	"	10	EB	"	24	1 NG	"	52	NJ Phone 1	"	10	EB	"	24	NJ Phone	"	10	C12	"		
11	42NG (from)	Nº10				11	2NG	"	36	SPARE	Nº12	61	NJ Phone 2	"	85	EN	"	11	EN	"	25	2 HG	"	53	NJ Phone 2	"	11	EN	"	25	40D	"	11	SPARE	"		
12	13HG	"				12	3HG	"	37	1A	"	62	Stn. Buzzer 1	"	86	BX 110	"	12	BX 110	"	26	2NG	"	54	448A	"	12	BX 110	"	26	A448H2	"	12	SPARE	"		
13	13NG	"				13	3DG	"	38	10-11 C10	"	63	Stn. Buzzer 2	"	87	CX 110	"	13	CX 110	"	27	3HG	"	55	40D	"	13	CX 110	"	27	A-B16 HG	"	13	SPARE	"		
14	B12	"				14	3NG	"	39	B12	"	64	A448H2	"	88	SPARE	"	14	SPARE	"	28	3DG	"	56	A448H2	"	14	SPARE	"	28	A16 RP	"	14	SPARE	"		
15	24NW	"				15	4HG	"	40	C12	"	65	SPARE	"							29	3NG	"	57	4NG	"				29	B16-A448RP	"	15	SPARE	"		
16	24RW	"				16	4NG	"	41	34TPN	"	66	A-B16 HG	Nº10							30	4HG	"	58	A16RP	"				30	47-445RP	"	16	SPARE	"		
17	24CW	"				17	11HG	"	42	35TPB	"	67	A-B16NG	"							31	11HG	"	59	B16-A448RP	"				31	445TP	"	17	SPARE	"		
18	EN	"				18	11NG	"	43	22NW	"	68	SPARE	"							32	11NG	"	60	47-445RP	"				32	SPARE	"	18	SPARE	"		
19	EB	"				19	43NG (to)	"	44	22RW	"	69	SPARE	"							33	43NG (to)	"	61	445TP	"				33	SPARE	"	19	SPARE	"		
20	SPARE	"				20	43NG (from)	"	45	21 NW	"	70	SPARE	"							34	SPARE	"	62	SPARE	"				34	SPARE	"	20	SPARE	"		
21	SPARE	"				21	1-2 RP	"	46	21RW	"	71	SPARE	"							35	SPARE	"	63	SPARE	"				35	SPARE	"	21	SPARE	"		
22	SPARE	"				22	3-4 RP	"	47	SPARE	Nº10	72	SPARE	"							36	SPARE	"	64	SPARE	"				36	SPARE	"	22	SPARE	"		
						23	11RP	"	48	SPARE	"	73	SPARE	"							37	21 NW	Nº12	65	A-B16 HG	Nº12				37	B12	Nº12	23	EB	Nº12		
						24	40NG (to)	"	49	SPARE	"	74	SPARE	"							38	21 RW	"	66	A-B16 NG	"				38	C12	"	24	EN	"		
						25	448A	"	50	SPARE	"		47NG	Nº8							39	21 CW	"	67	47 HG	"				39	C10 S	"	25	BX 110	"		
																					40	B12	"	68	47 NG	"				40	47 HG	"	26	CX 110	"		
																					41	C12	"	69	C10 S	"				41	47 NG	"	27	SPARE	"		
																					42	SPARE	"	70	43NG (fr.)	"				42	A-B16NG	"	28	SPARE	"		

Box 4W TO Box 10W (N.J.)					
THIS CABLE RUN SPLICED TOGETHER AND BOXES 6W, 7W, 8W, AND 9W REMOVED.					
24 Cdr. Parkway					
	WIRE	SIZE		WIRE	SIZE
1	SPARE	Nº12			
2	SPARE	"	16	33NW	Nº8
3	A16RP	"	17	33RW	"
4	B16-A448RP	"	18	33CW	"
5	47-445RP	"	19	34NW	"
6	A448H2	"	20	34RW	"
7	C10 S	"	21	34CW	"
8	NJ Phone 1	"	22	35NW	"
9	NJ Phone 2	"	23	35RW	"
10	A-B16HG	"	24	35CW	Nº6
11	A-B16NG	"			
12	47HG	"			
13	47NG	"			
14	445TP	"			
15	40D	"			

TOWER TO BOX 1S					
CABLE J 28 Cdr. Parkway					
	WIRE	SIZE		WIRE	SIZE
1	36L	Nº14	15	15NG	Nº14
2	LX	"	16	15-17RP	"
3	5L	"	17	B12	"
4	15A	"	18	C12	"
5	42A	"	19	Phone SJ	"
6	440HN-42D	"	20	Phone SJ	"
7	42RYP	"	21	Phone	"
8	441TP	"	22	Phone	"
9	C10 S	"	23	EB	Nº12
10	B10S	"	24	EN	"
11	17HG	"	25	SPARE	"
12	17NG	"	26	SPARE	"
13	15HG	"	27	SPARE	"
14	15DG	"	28	SPARE	"

TOWER TO LINE			
To terminal box on pole opposite tower.			
4 Cdr. Parkway			
	WIRE	SIZE	
To Elmhurst Ave.	B110	Nº 6	
	C110	"	
	BUZZER 1 } BUZZER 2 }	Nº 12 Stranded	

NOTES.

Track battery and relay feeds from Tower to OIT, 15T, 21T, 443T, and 26T are 1 Cdr. #9 Parkway.

Stn. Buzzer #1 and #2 are Style "B" from 2W to pole opposite tower.

MONTREAL WEST

CONSIST OF CABLES

OCTOBER 1, 1945.
JANUARY 16, 1946.
FEBRUARY, 1938.

SHEET 18 OF 19

MONTREAL WEST