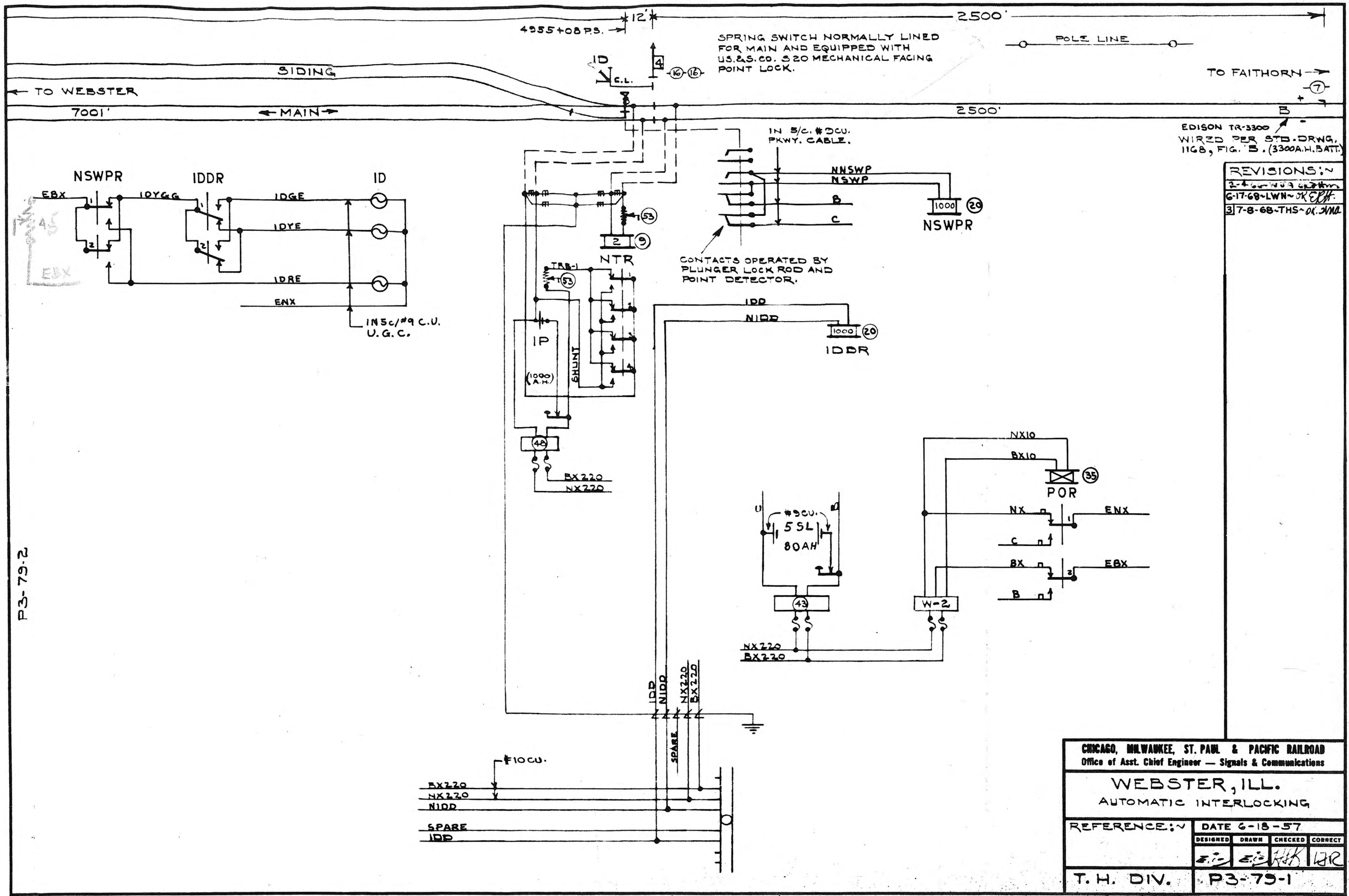


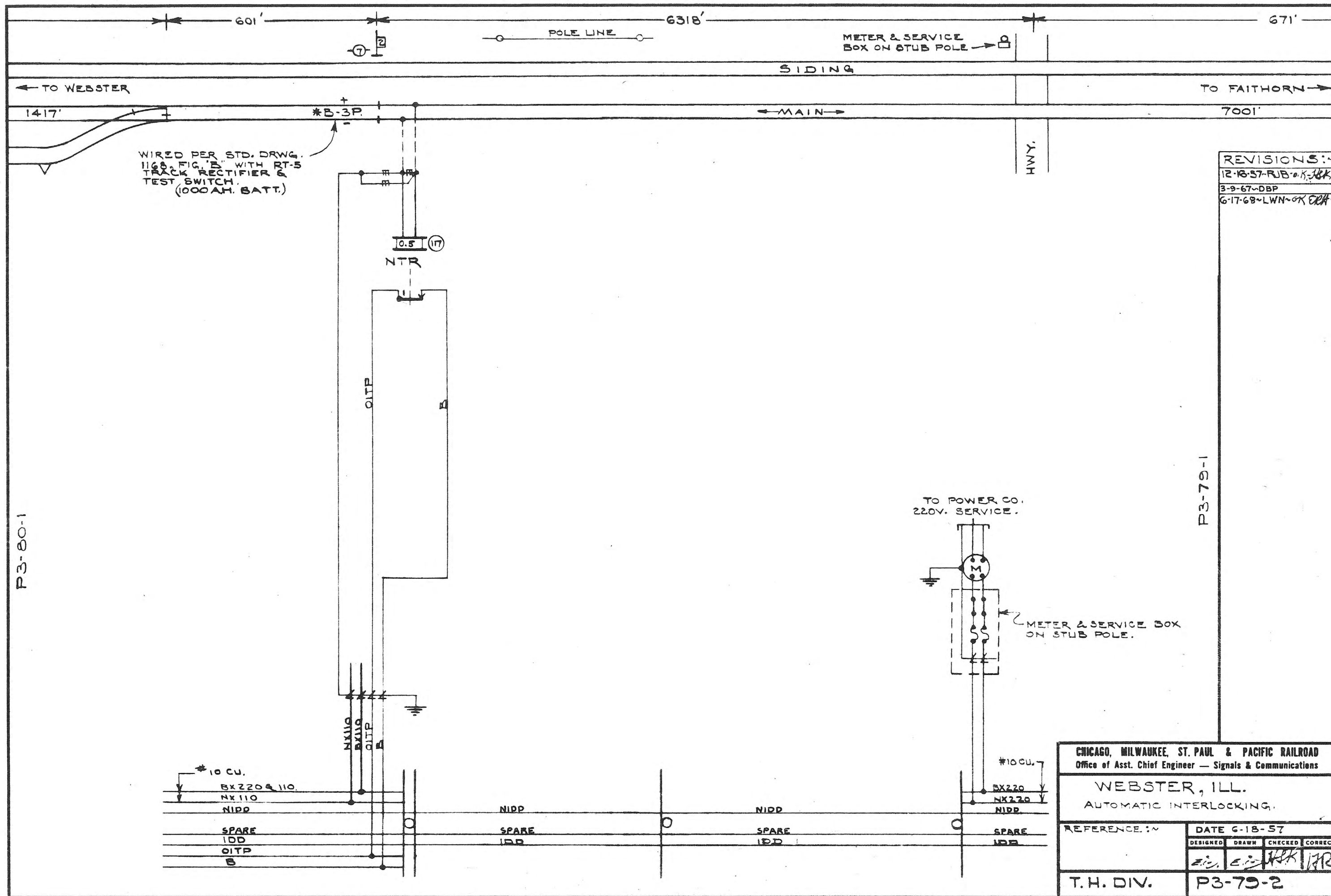


P3-79-2

EDISON TR-3300
WIRED PER STD. DRWG,
1168, FIG. B. (3300A.H. BATT.)

REVISIONS:			
2-4-68	WJ	3	WJ
6-17-68	LWN	2	REP
3-7-68	THS	OK	JMA

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD Office of Asst. Chief Engineer - Signals & Communications			
WEBSTER, ILL. AUTOMATIC INTERLOCKING			
REFERENCE:	DATE 6-18-57		
DESIGNED	DRAWN	CHECKED	CORRECT
E.P.	E.P.	REP	WJR
T. H. DIV.		P3-79-1	



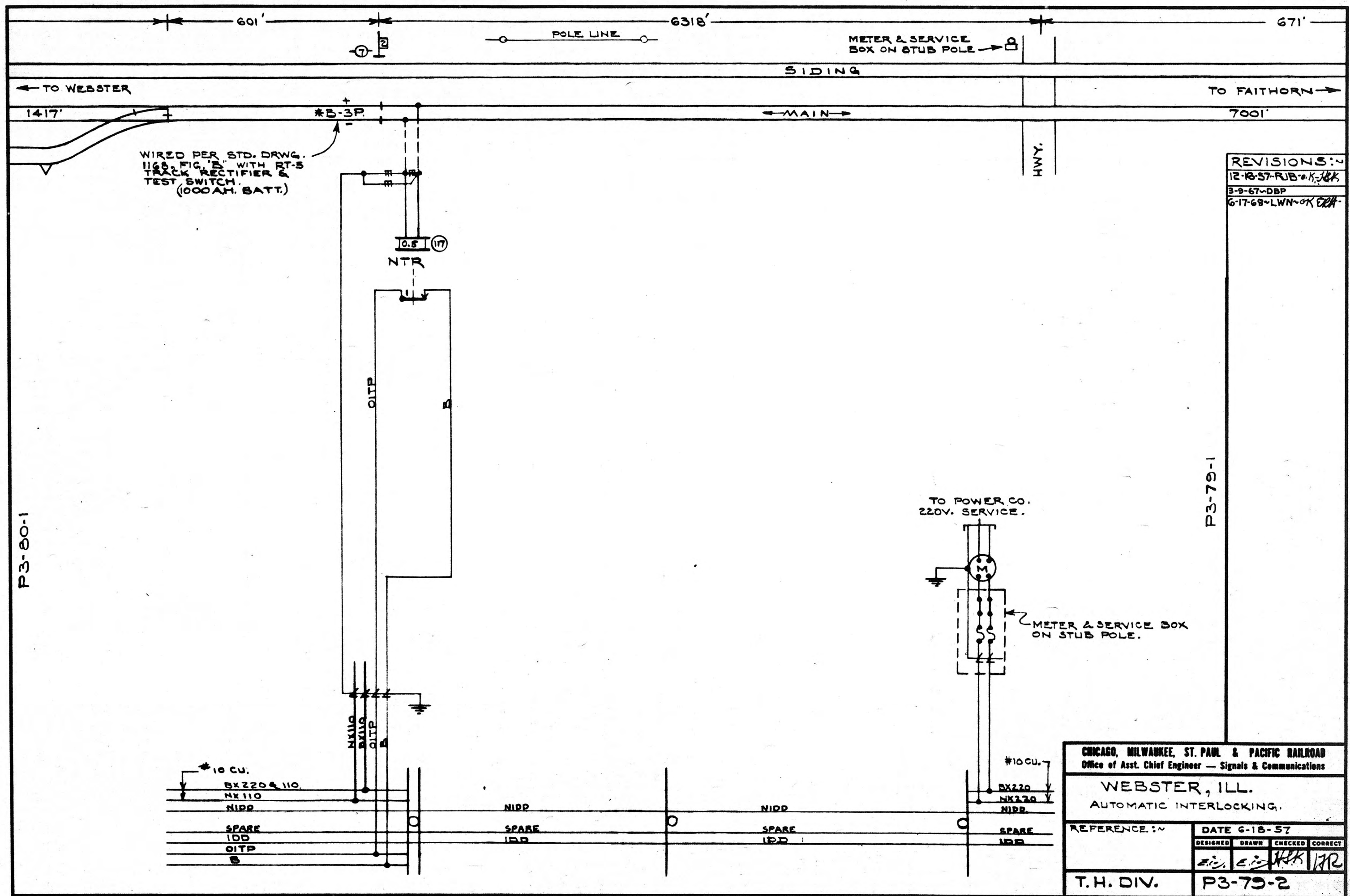
REVISIONS:

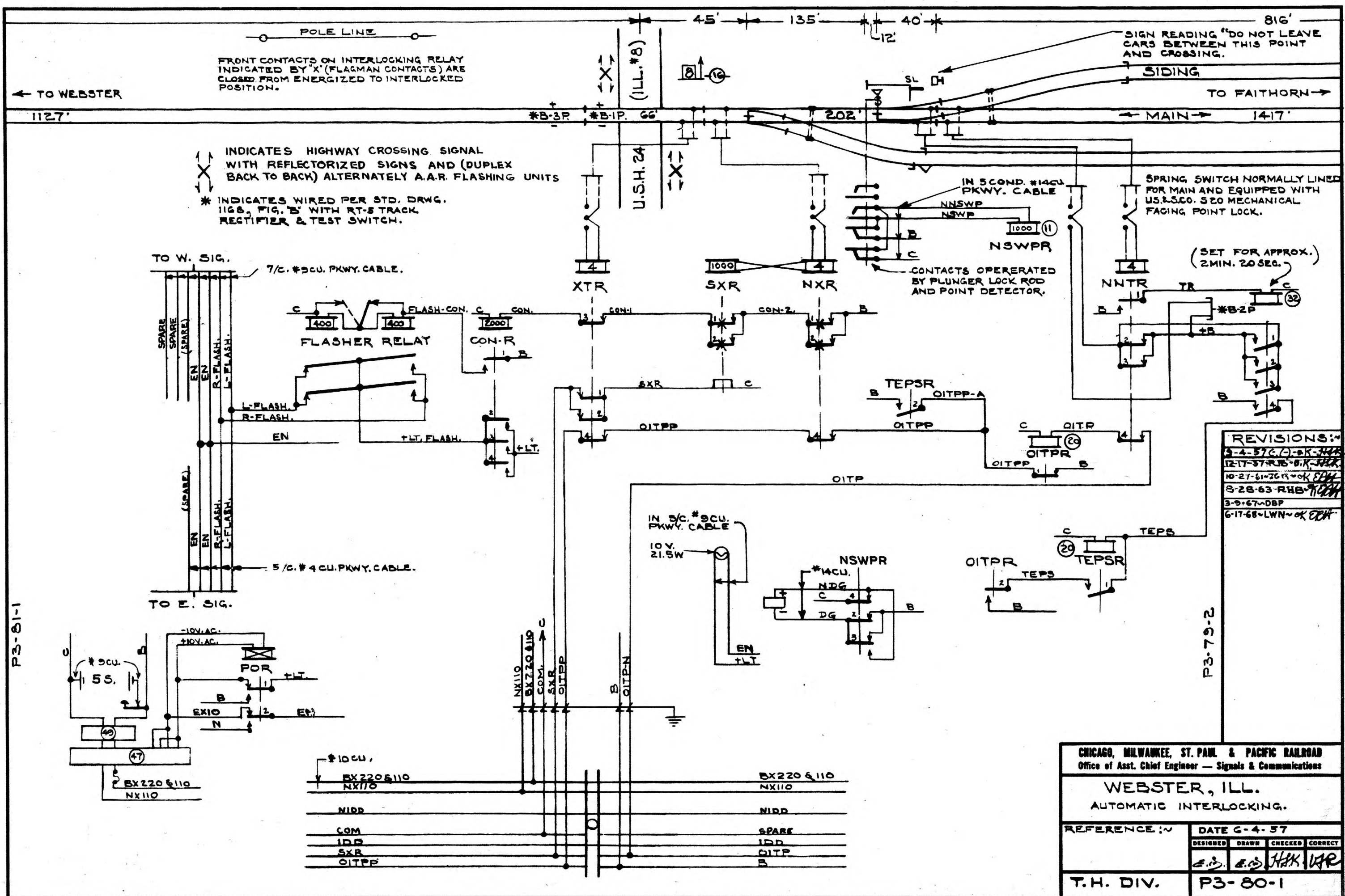
12-18-57-RJB-o.k. JHK

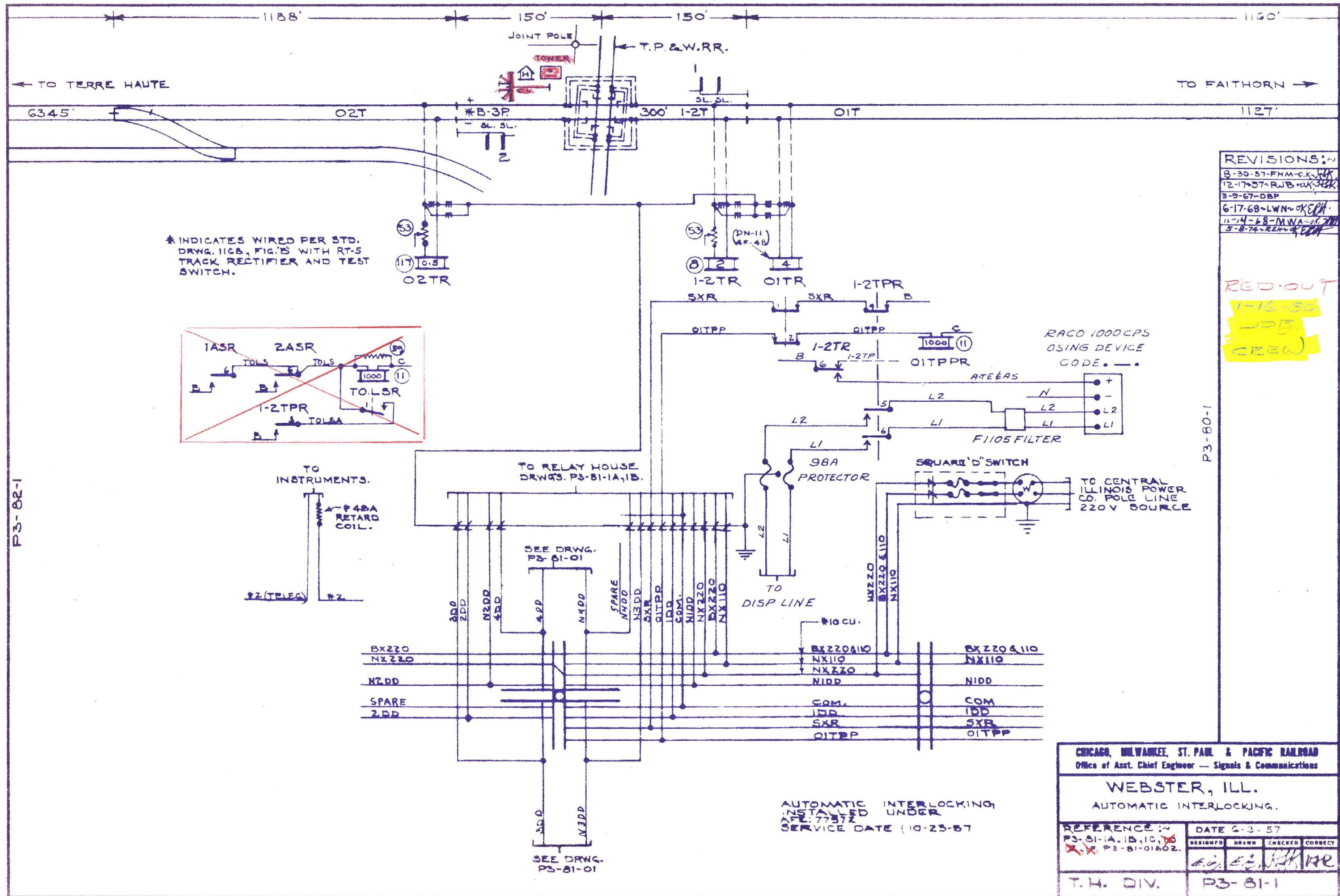
3-9-67-DBP

6-17-68-LWN-o.k. EKH

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD			
Office of Asst. Chief Engineer — Signals & Communications			
WEBSTER, ILL.			
AUTOMATIC INTERLOCKING.			
REFERENCE: ~	DATE 6-18-57		
DESIGNED	DRAWN	CHECKED	CORRECT
E.C.	E.C.	JHK	JHK
T.H. DIV.	P3-79-2		







REVISIONS:

8-30-57-FHM-OK
12-17-57-RWB-OK
3-9-67-DBP
6-17-68-LWN-OK
11-14-68-MWA-OK
5-8-74-REH-OK

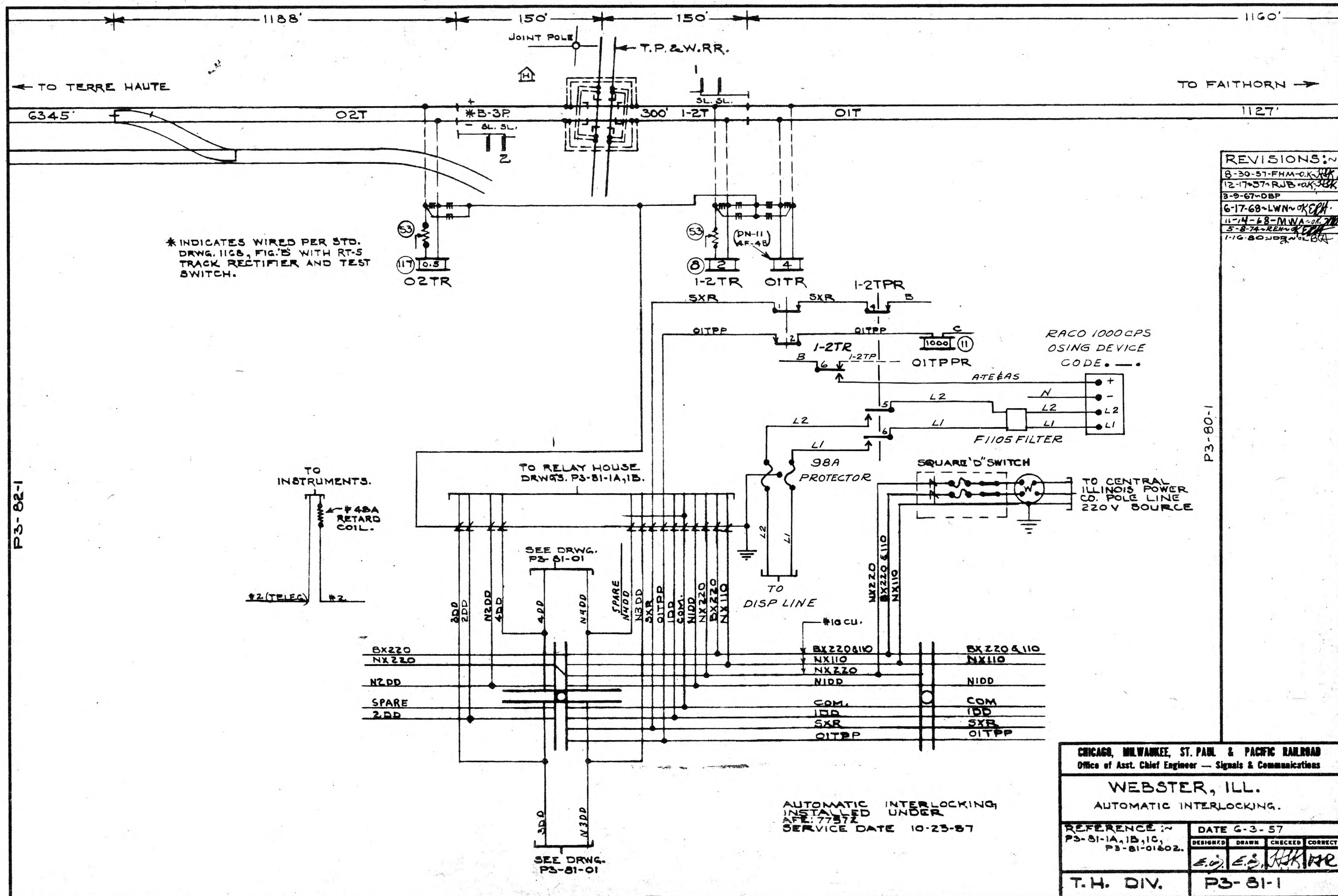
RED-OUT
1-16-80
JOB
GREEN

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD
Office of Asst. Chief Engineer — Signals & Communications

WEBSTER, ILL.
AUTOMATIC INTERLOCKING.

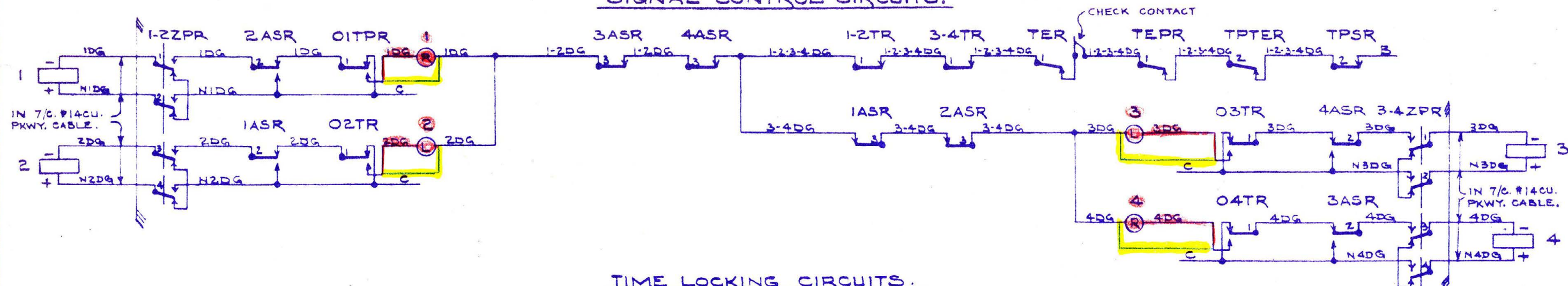
REFERENCE IN PS-81-1A, 1B, 1C, 1D, X-X PS-81-01 & 02.	DATE 6-3-57
DESIGNED E.C.	DRAWN E.C.
CHECKED J.R.K.	CORRECT J.R.K.
T.H. DIV.	P3-81-1

AUTOMATIC INTERLOCKING
INSTALLED UNDER
AFL 77572
SERVICE DATE (10-23-87)

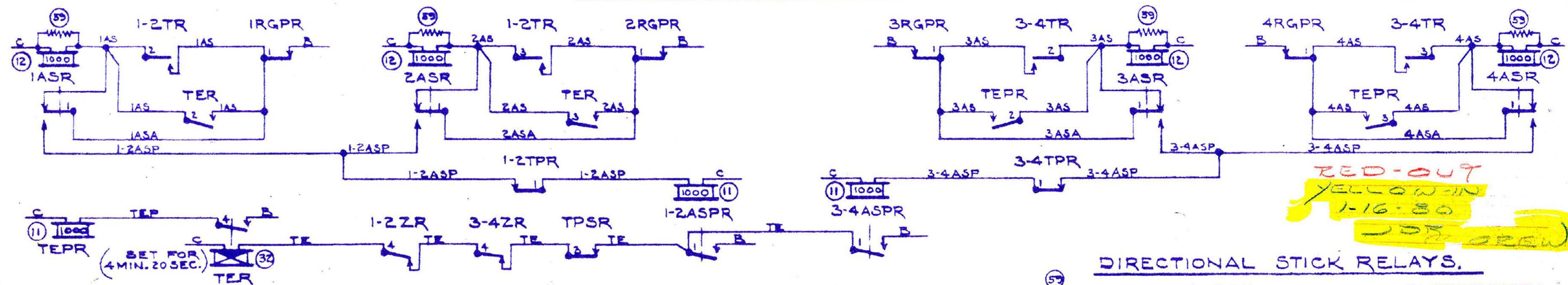


1	9-5-57	WAFK	OK	44
2	12-17-57	RJB	OK	44

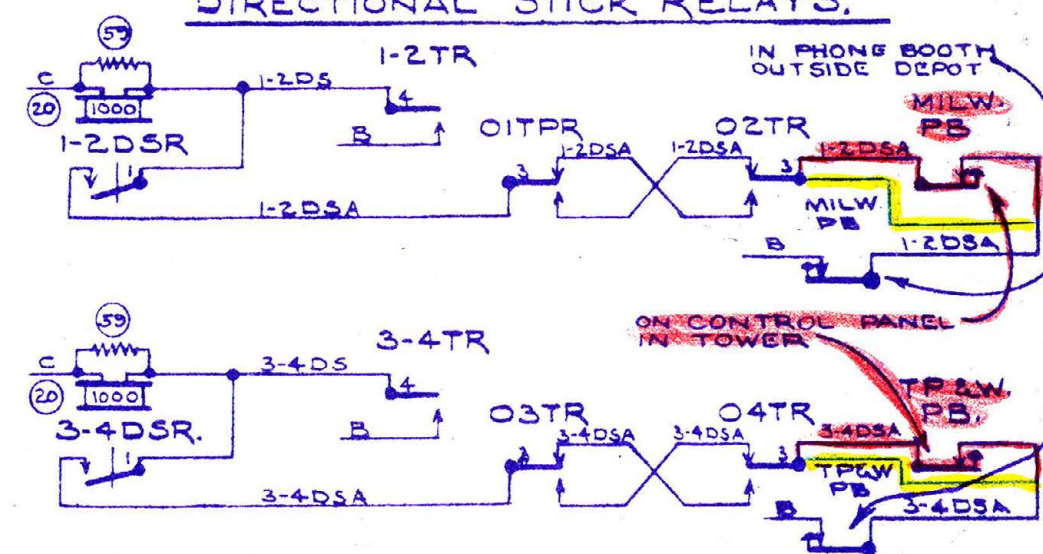
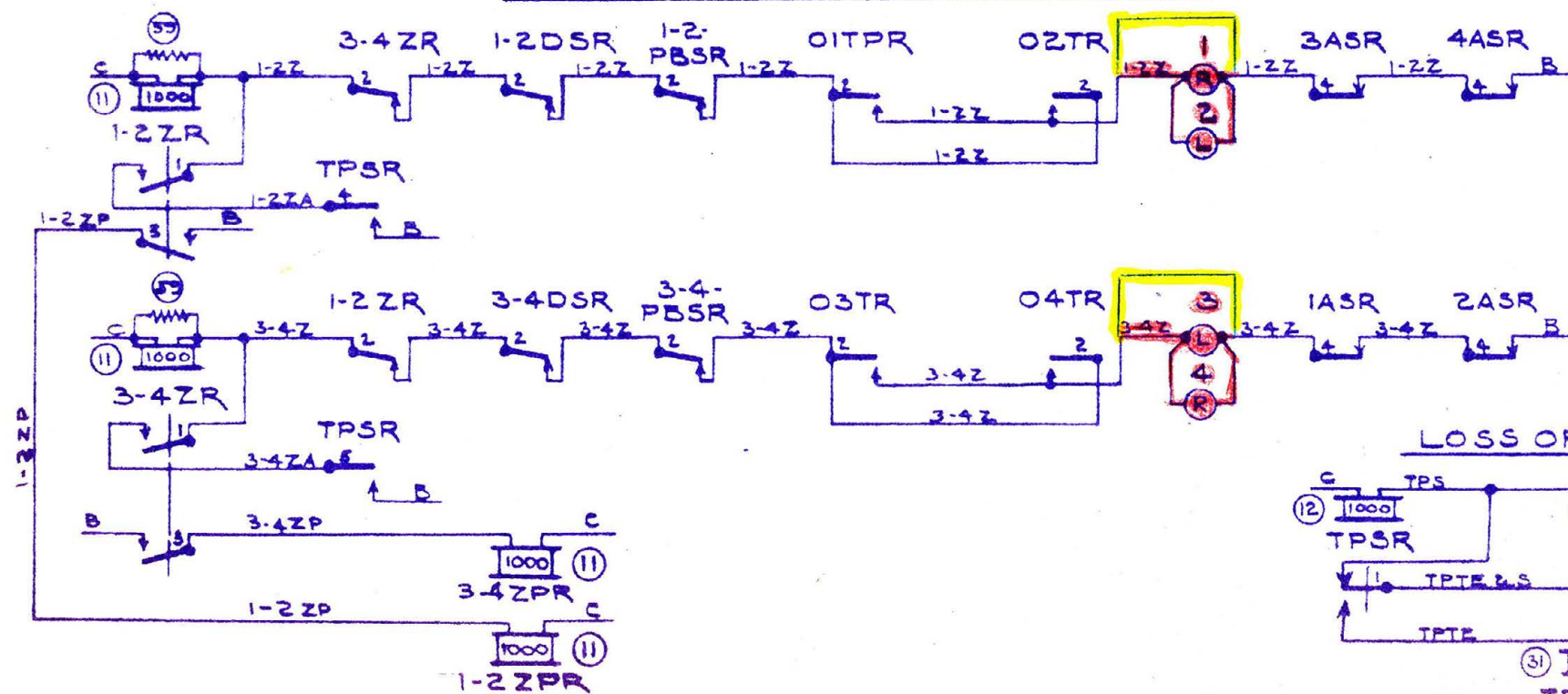
TIME LOCKING CIRCUITS.



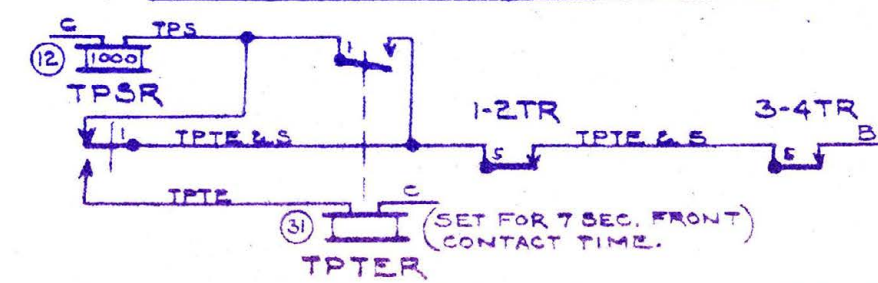
TIME LOCKING CIRCUITS.



DIRECTIONAL STICK RELAYS.



LOSS OF SHUNT CIRCUITS.

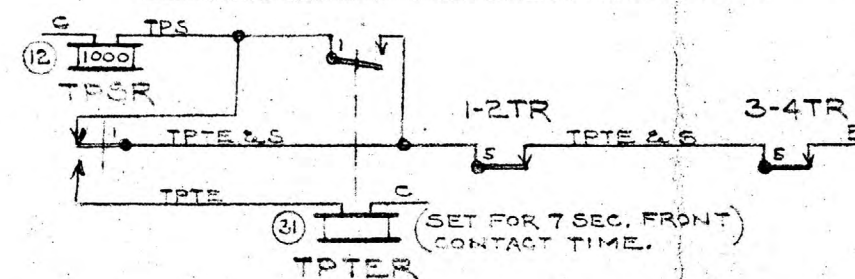
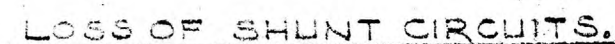
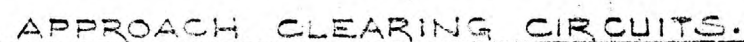
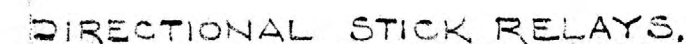
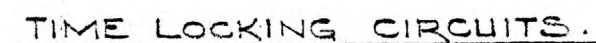


CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD
Office of Asst. Chief Engineer — Signals & Communications

WEBSTER, ILL.
AUTOMATIC INTERLOCKING.

REFERENCE: W	DATE 5-28-57			
	DESIGNED	DRAWN	CHECKED	CORRECT
	<i>E.C.</i>	<i>E.C.</i>	<i>H.K.</i>	<i>H.K.</i>
T.H. DIV.	P3-81-1A			

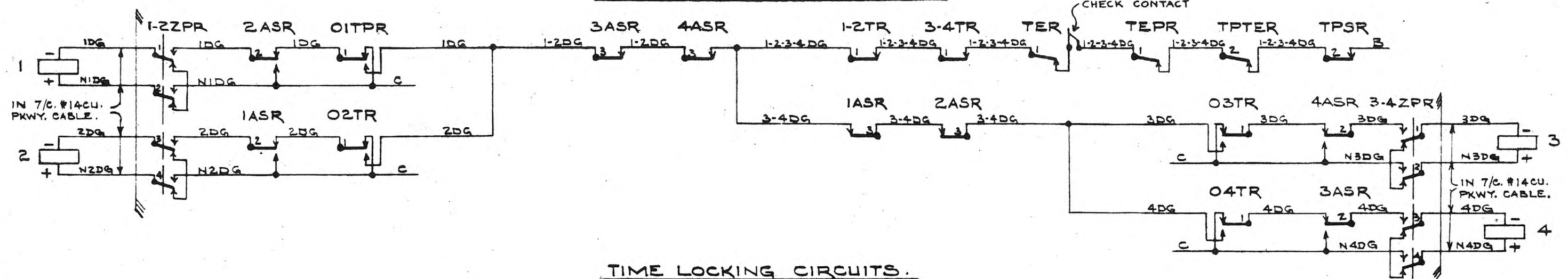
CHECK CONTACT



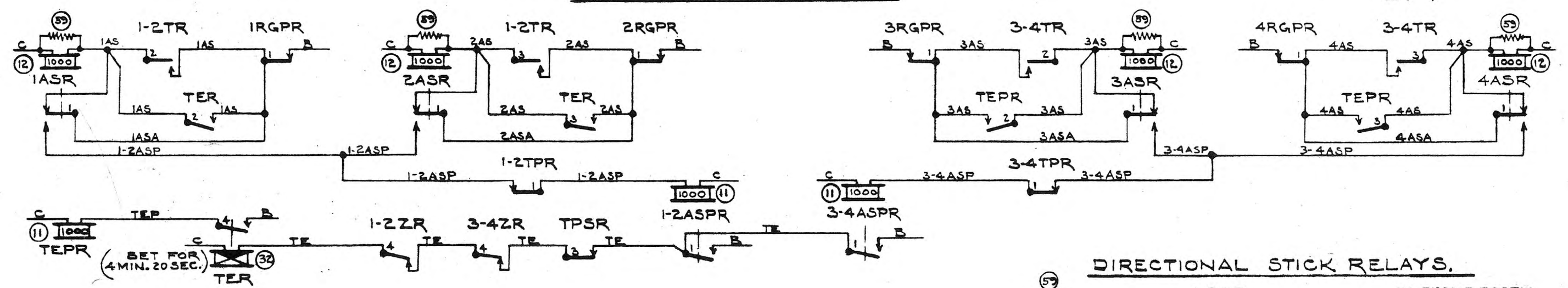
REFERENCE NO.	DATE 5-28-57			
	DESIGNED	DRAWN	CHECKED	CO.
	E.C.	E.C.	H.K.	
T.H. DIV.	P3-81-1A			

REVISIONS:
 1 9-5-57 W.P.M. & K.H.
 2 12-17-57 R.B.
 1-16-80 J.D.R. & K.H.

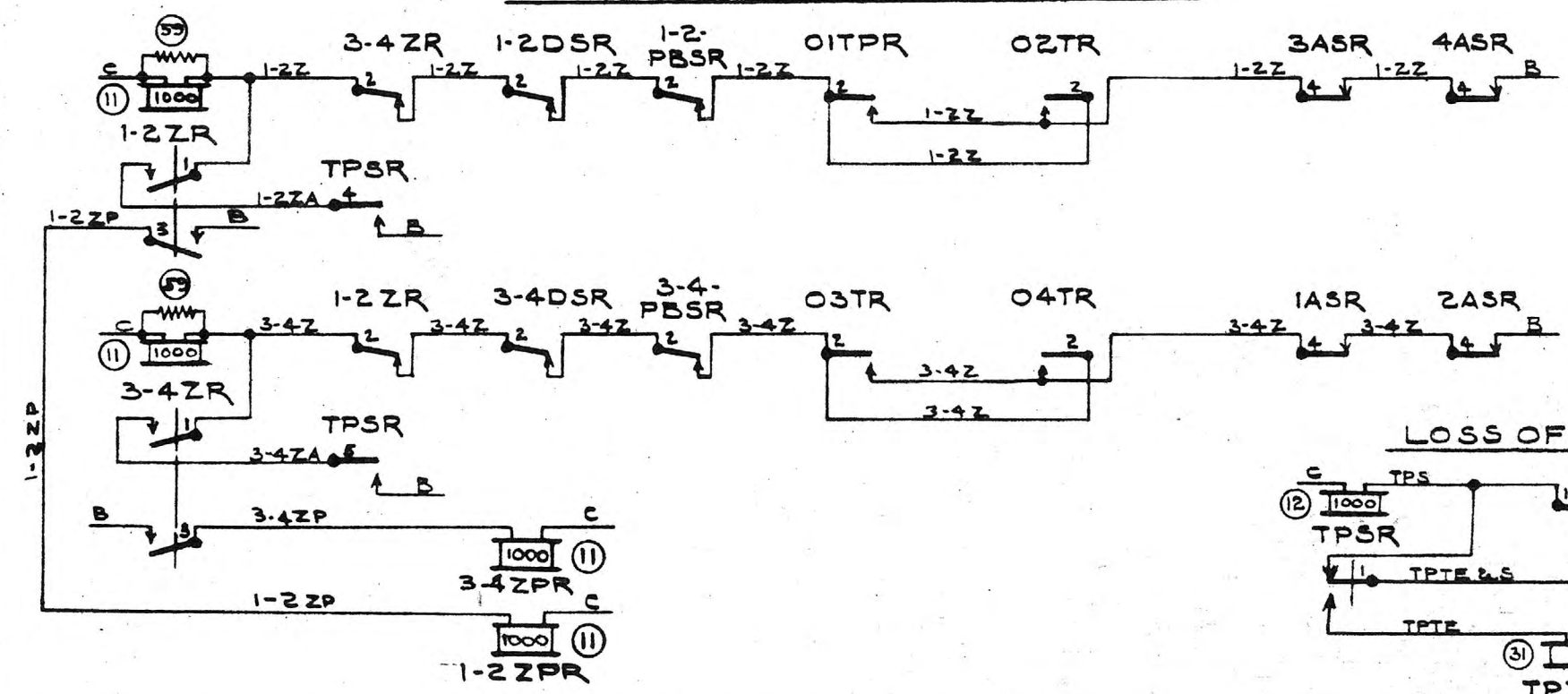
SIGNAL CONTROL CIRCUITS.



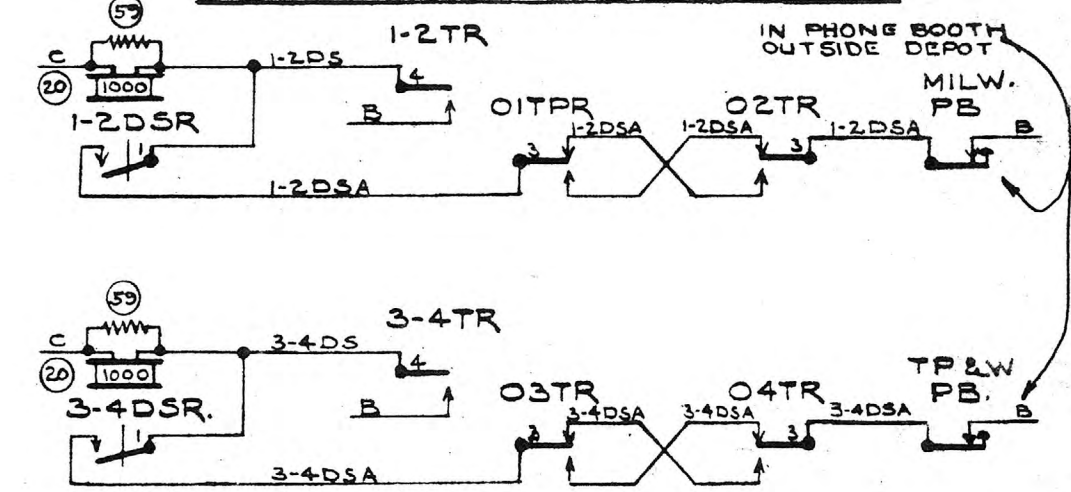
TIME LOCKING CIRCUITS.



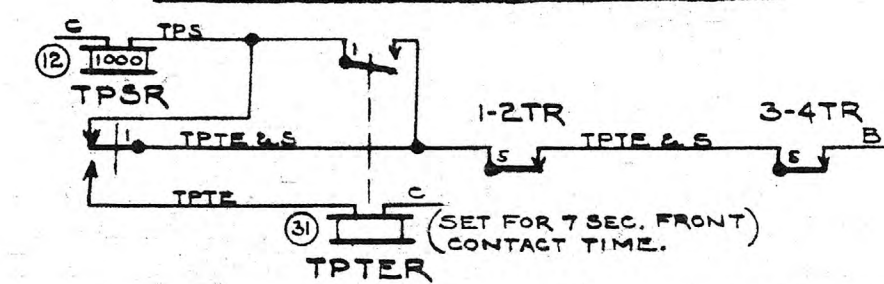
APPROACH CLEARING CIRCUITS.



DIRECTIONAL STICK RELAYS.

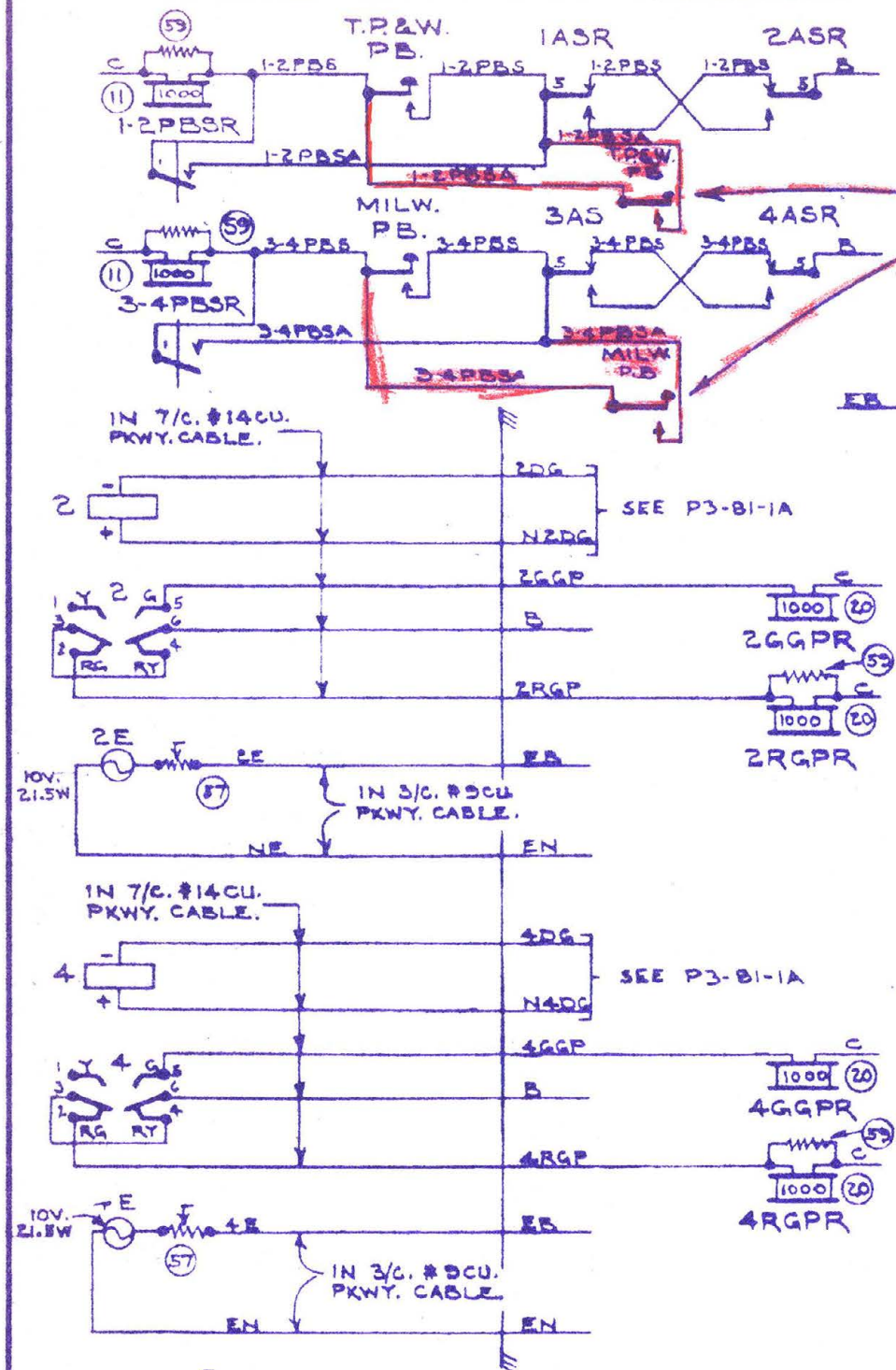


LOSS OF SHUNT CIRCUITS.



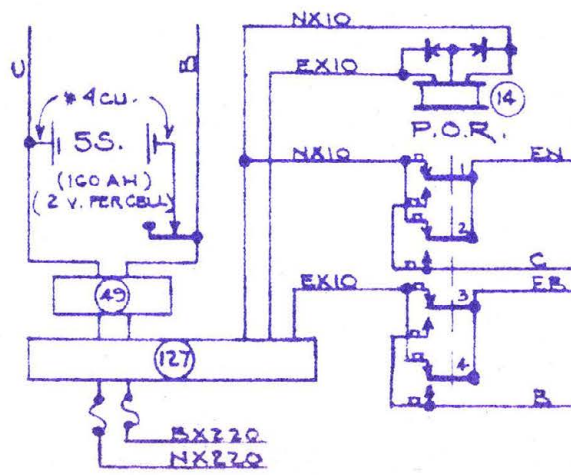
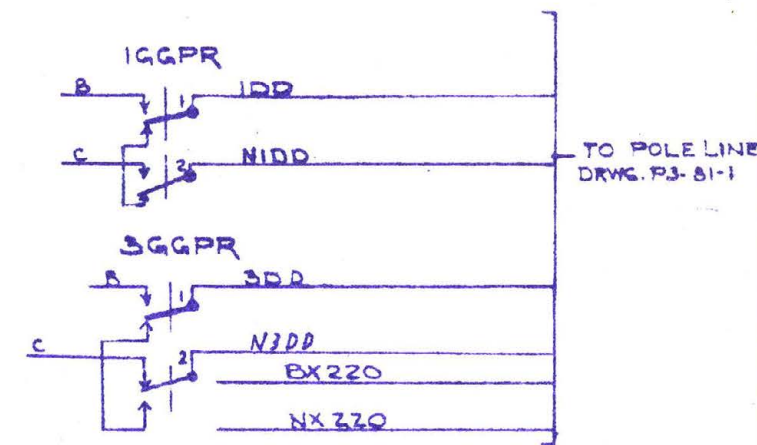
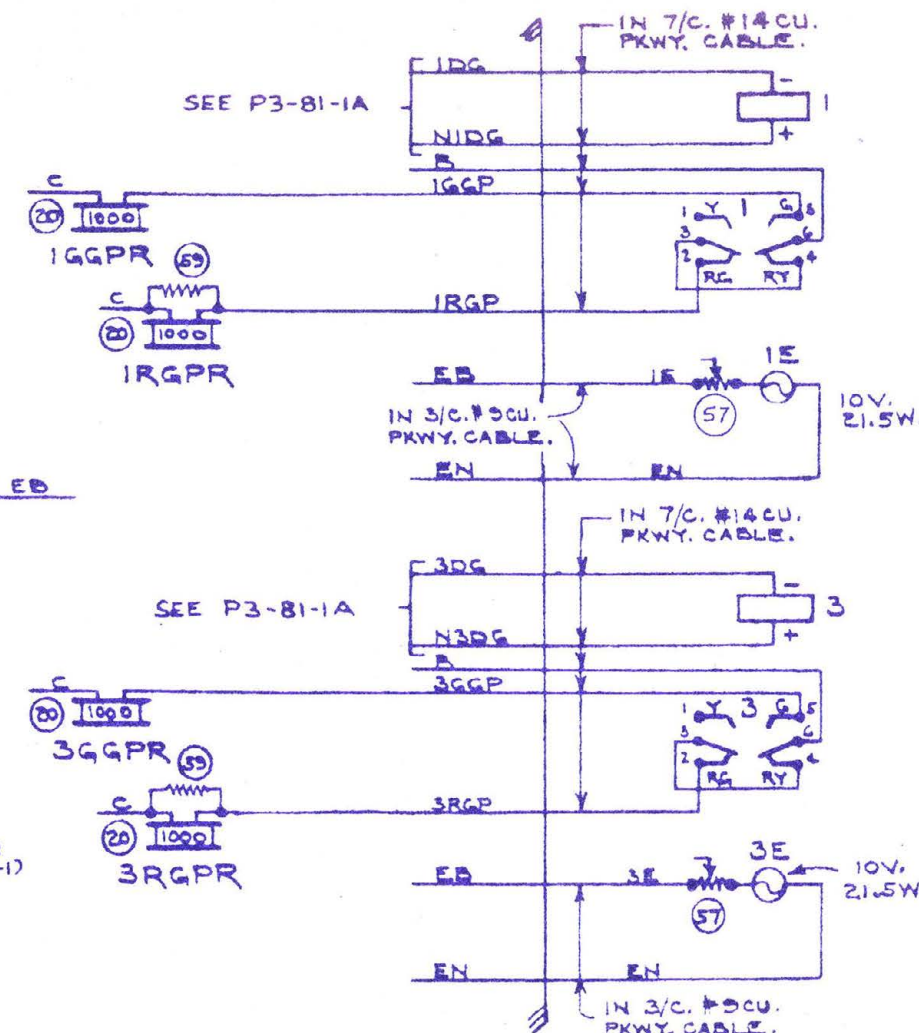
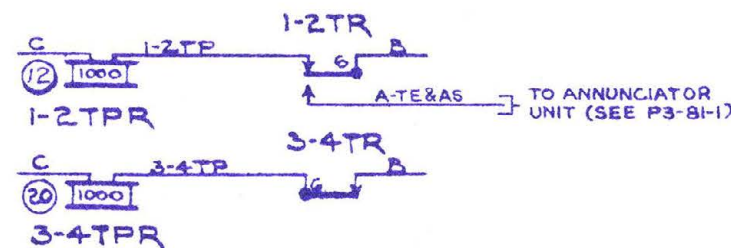
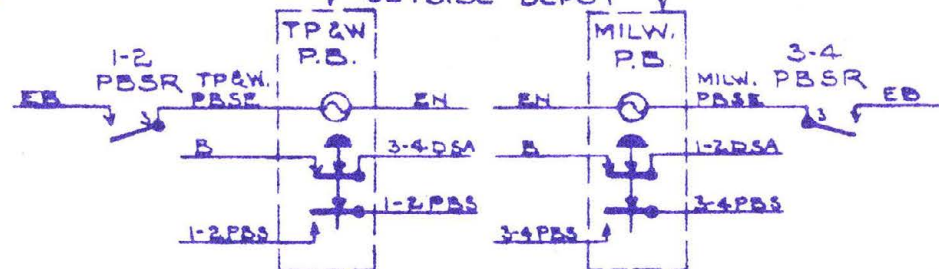
CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD Office of Asst. Chief Engineer — Signals & Communications			
WEBSTER, ILL. AUTOMATIC INTERLOCKING.			
REFERENCE: N	DATE 5-28-57		
DESIGNED	DRAWN	CHECKED	CORRECT
E.S.	E.S.	J.H.K.	J.H.K.
T.H. DIV.		P3-81-1A	

PUSHBUTTON STICK RELAYS.



ON CONTROL PANEL IN TOWER

IN PHONE BOOTH OUTSIDE DEPOT



REVISIONS:
12-17-57 R.B. OK
25-26-64 D.B. OK
6-17-68 L.W. OK
11-14-68 M.W. OK
5-8-74 R.E. OK
6-8-77 K.E. OK

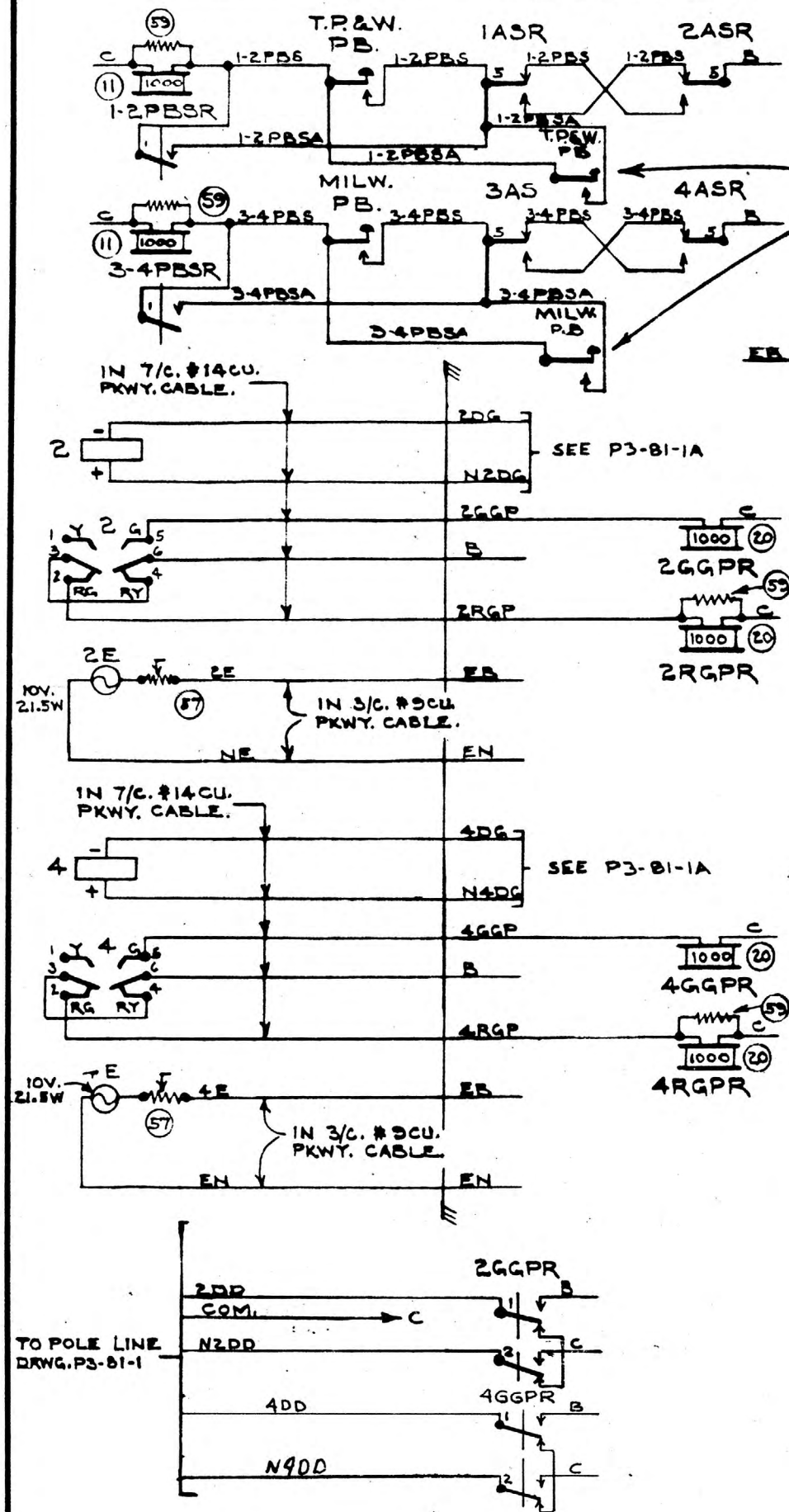
RED-OUT
1-16-80
JDR
CREW

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD
Office of Asst. Chief Engineer — Signals & Communications

WEBSTER, ILL.
AUTOMATIC INTERLOCKING

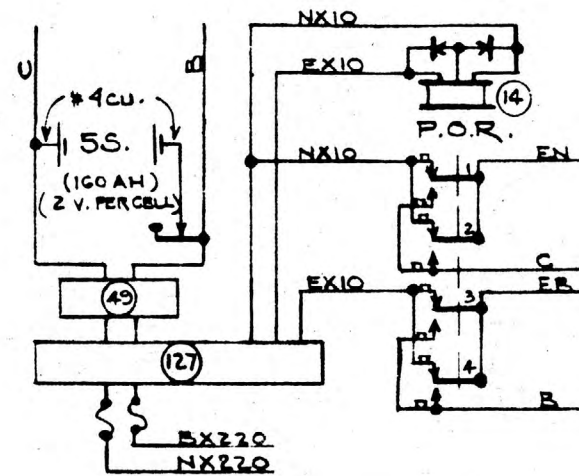
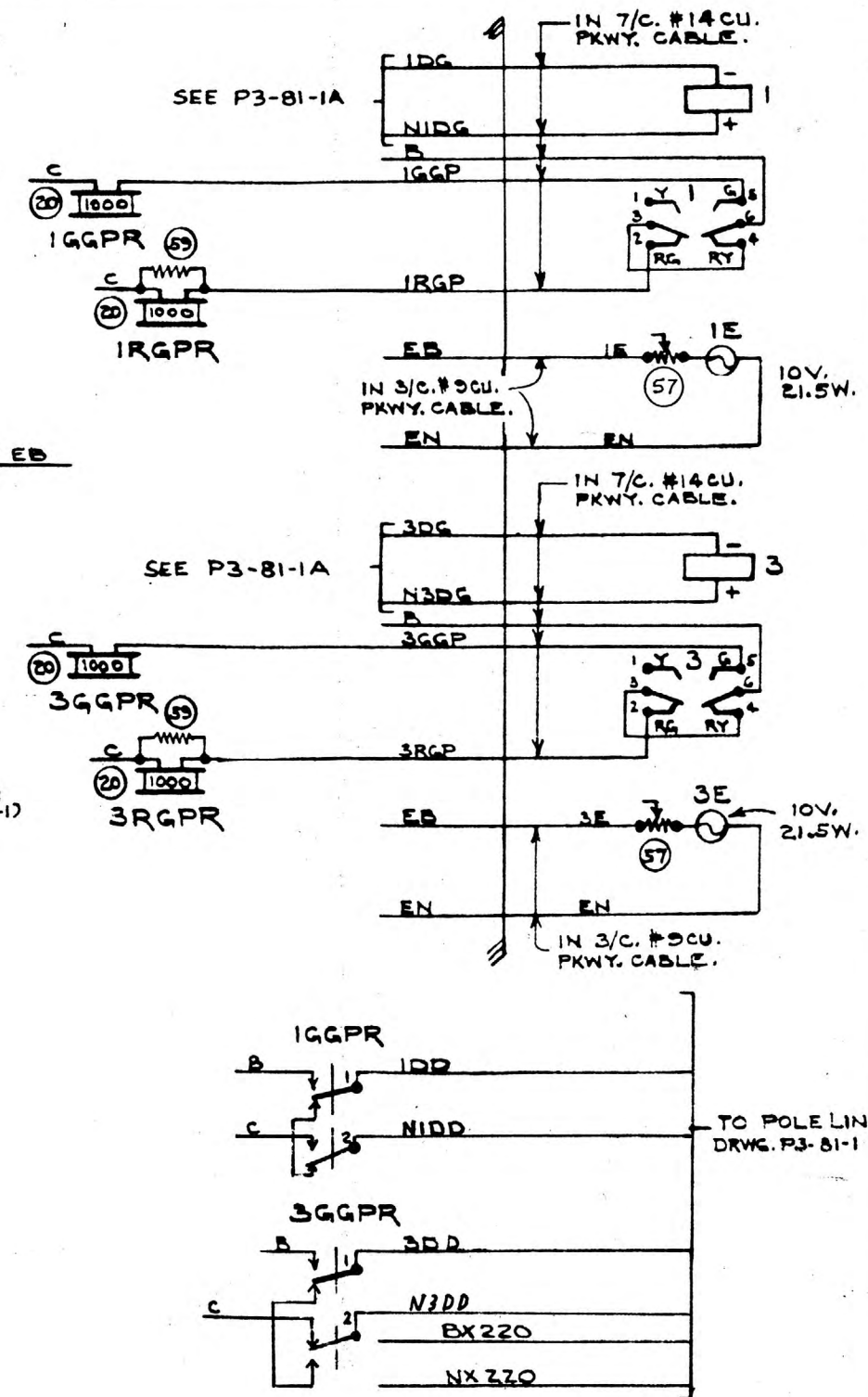
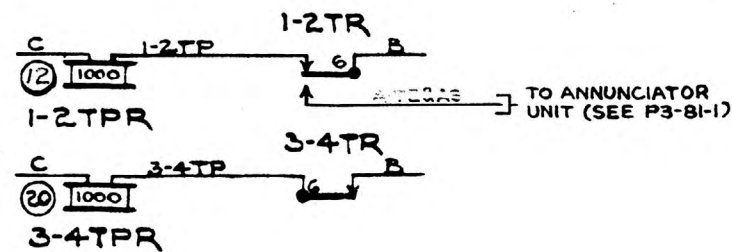
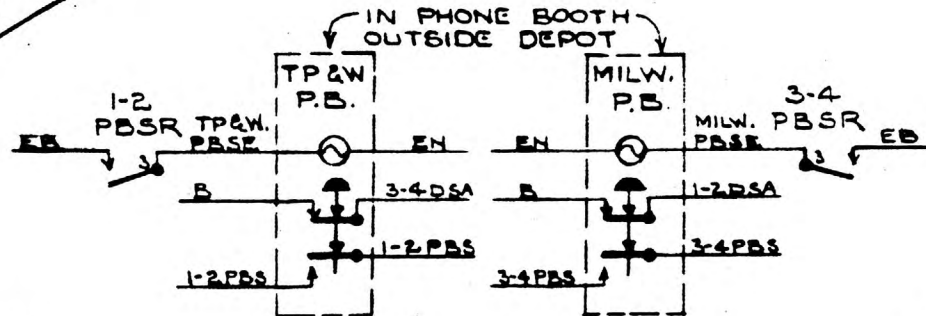
REFERENCE IN	DATE 5-31-57
DESIGNED	DRAWN
CHECKED	CORRECT
T.H. DIV.	P3-81-1B

PUSHBUTTON STICK RELAYS.



ON CONTROL PANEL
- IN TOWER

IN PHONE BOOTH
OUTSIDE DEPOT



REVISIONS:

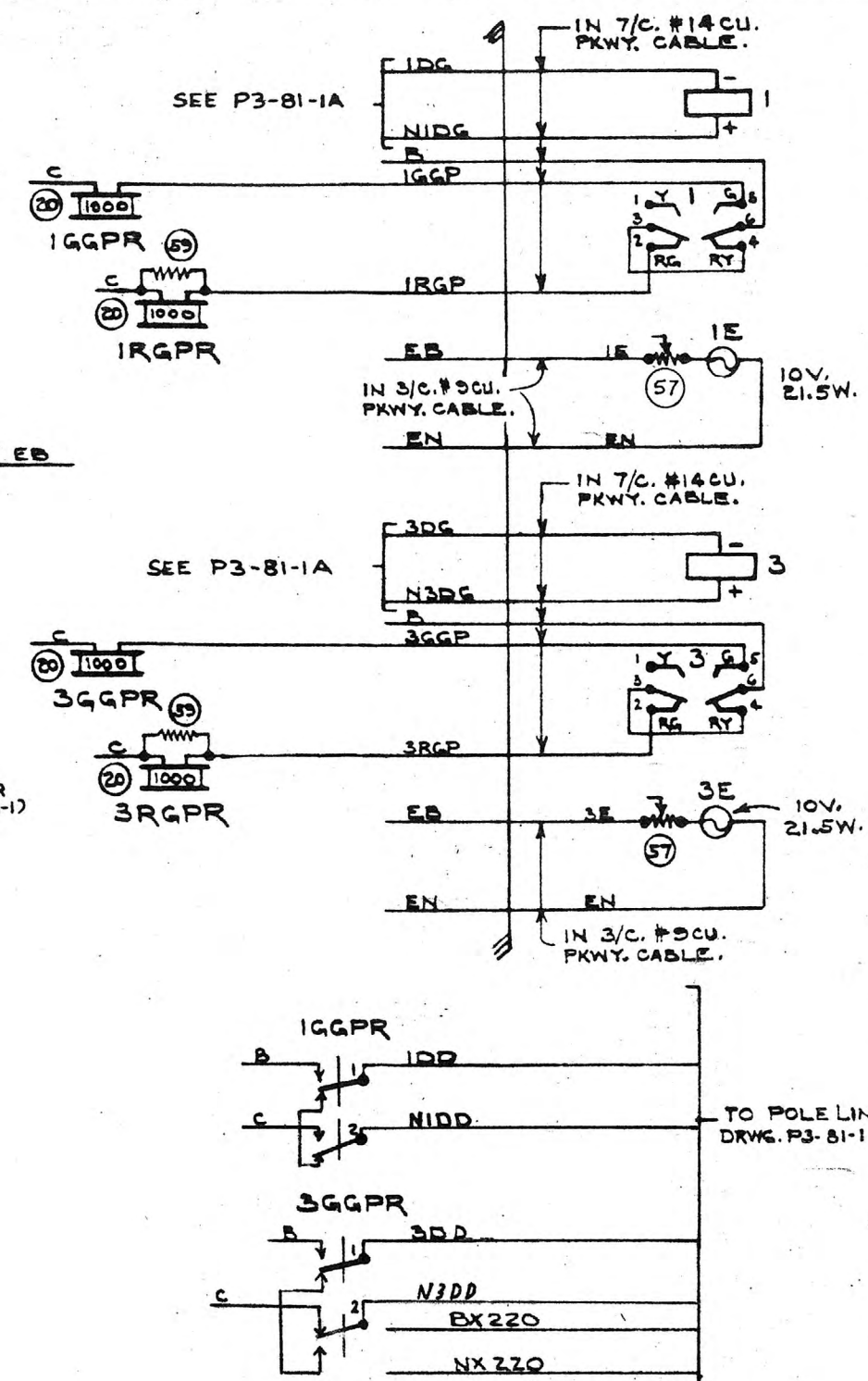
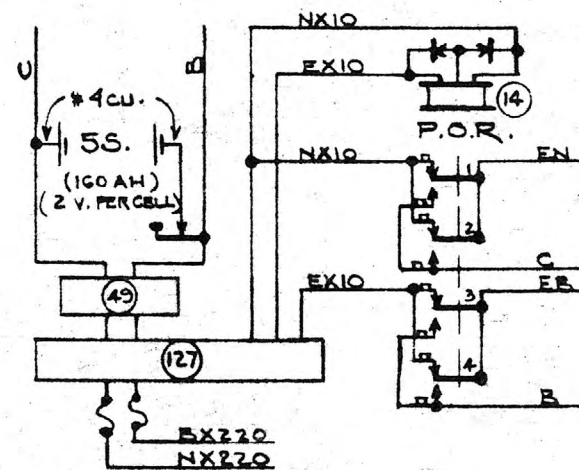
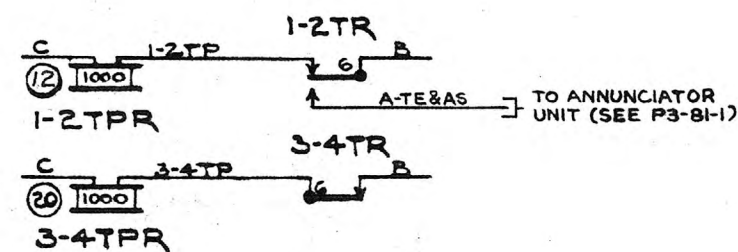
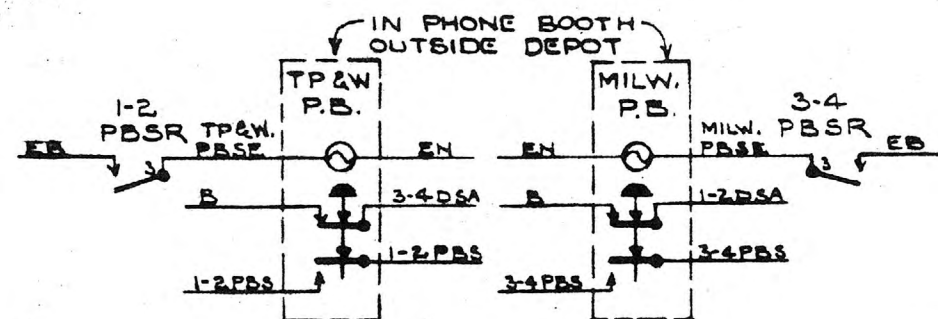
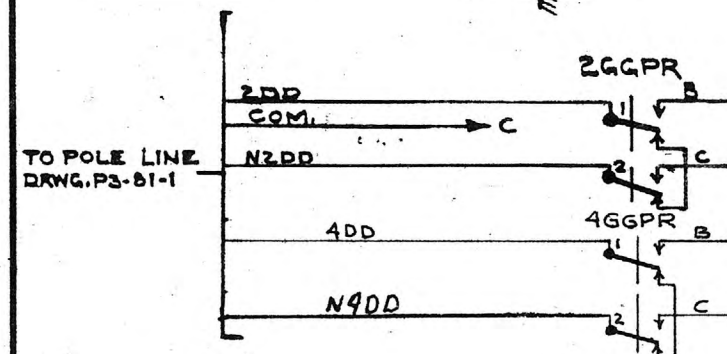
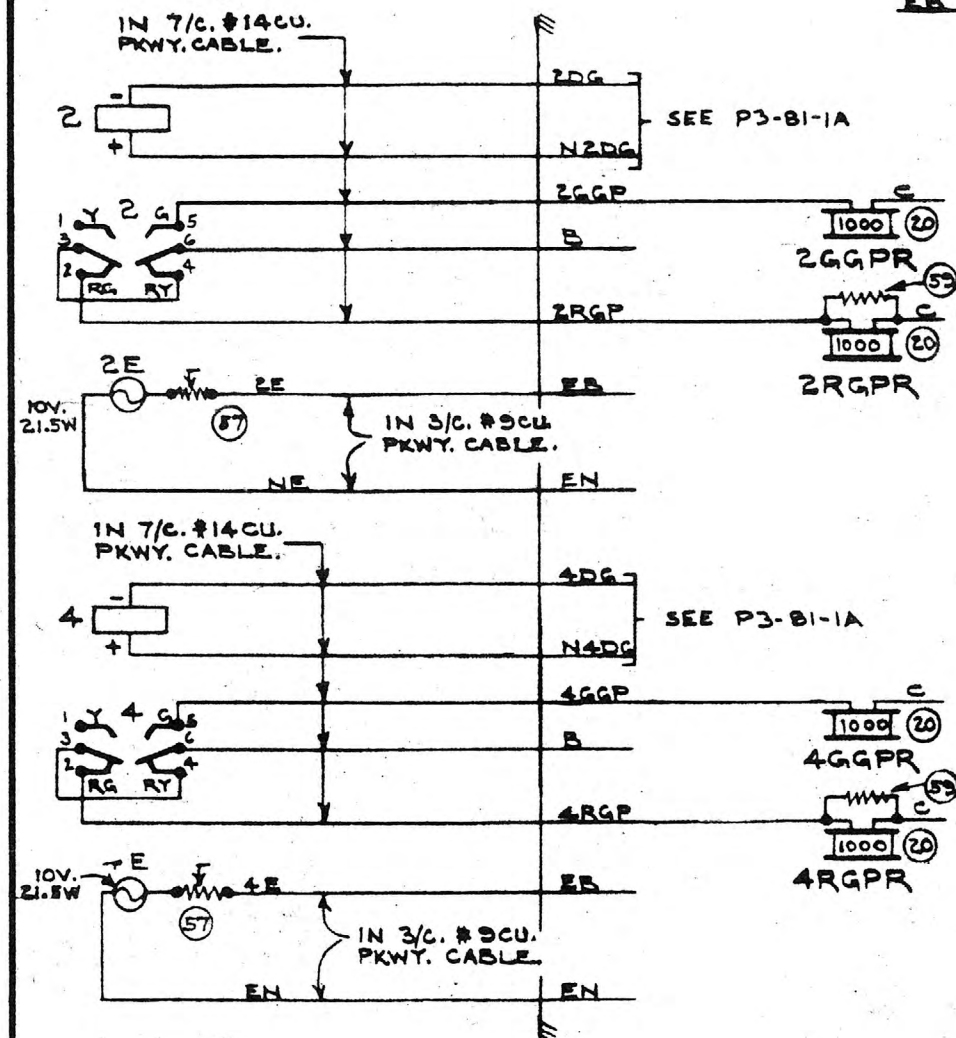
12-17-57~RJBO.K. ^{JK}
25-26-64~DBRO.K. ^{JK}
6-17-68~LWN~OK ^{ERK}
11-11-68 MWAN~OK ^{MA}
5-8-74~REH~OK ^{KE}
6-8-77~KEAN OK ^{REH}

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD
Office of Asst. Chief Engineer — Signals & Communications

WEBSTER, ILL.
AUTOMATIC INTERLOCKING

REFERENCE IN	DATE 5-31-57			
	DESIGNED	DRAWN	CHECKED	CORRECT
	<i>E.C.</i>	<i>E.C.</i>	<i>JSK</i>	<i>HR</i>
T.H. DIV.	P3-81-1B			

The top diagram is for the T.P. & W. PB. system. It shows a power source (C) connected to a 59V transformer and a 1000 ohm resistor. The circuit includes a 1-2PBSR component, a 1-2PBS component, and a 1-2PBSA component. The output is labeled 1ASR and 2ASR. The bottom diagram is for the MILW. PB. system. It shows a power source (C) connected to a 59V transformer and a 1000 ohm resistor. The circuit includes a 3-4PBSR component, a 3-4PBS component, and a 3-4PBSA component. The output is labeled 3AS and 4ASR.

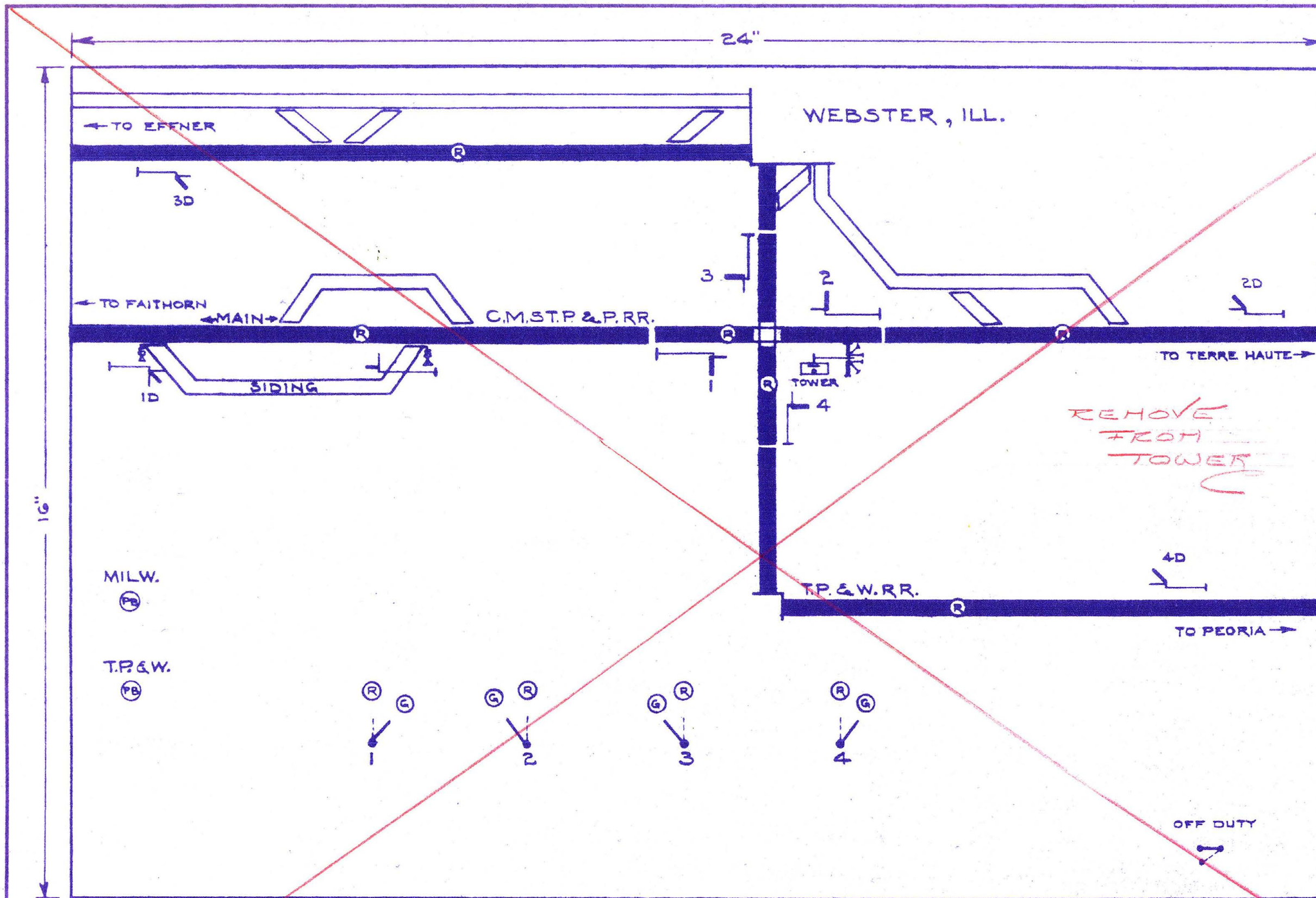


12-17-57~RJ50.K.HK
25-26-64~DBF0.K.HK,
6-17-68~LWN~OK
11-11-68 MWA~OK
5-8-74~REH~OK
6-8-77~KEAN OK REH
1-16-80~JDB~OK

WEBSTER, ILL.
AUTOMATIC INTERLOCKING

DATE 5-31-57

P3-81-1B



REVISIONS:-
12-17-57-RJB-O.K.A.H.
6-8-77-KEA O.K. REH

RED-OUT
1-16-80
J.D.F.
S.C.W.

THIS
SHT.
VOID

REMOVE
FROM
TOWER

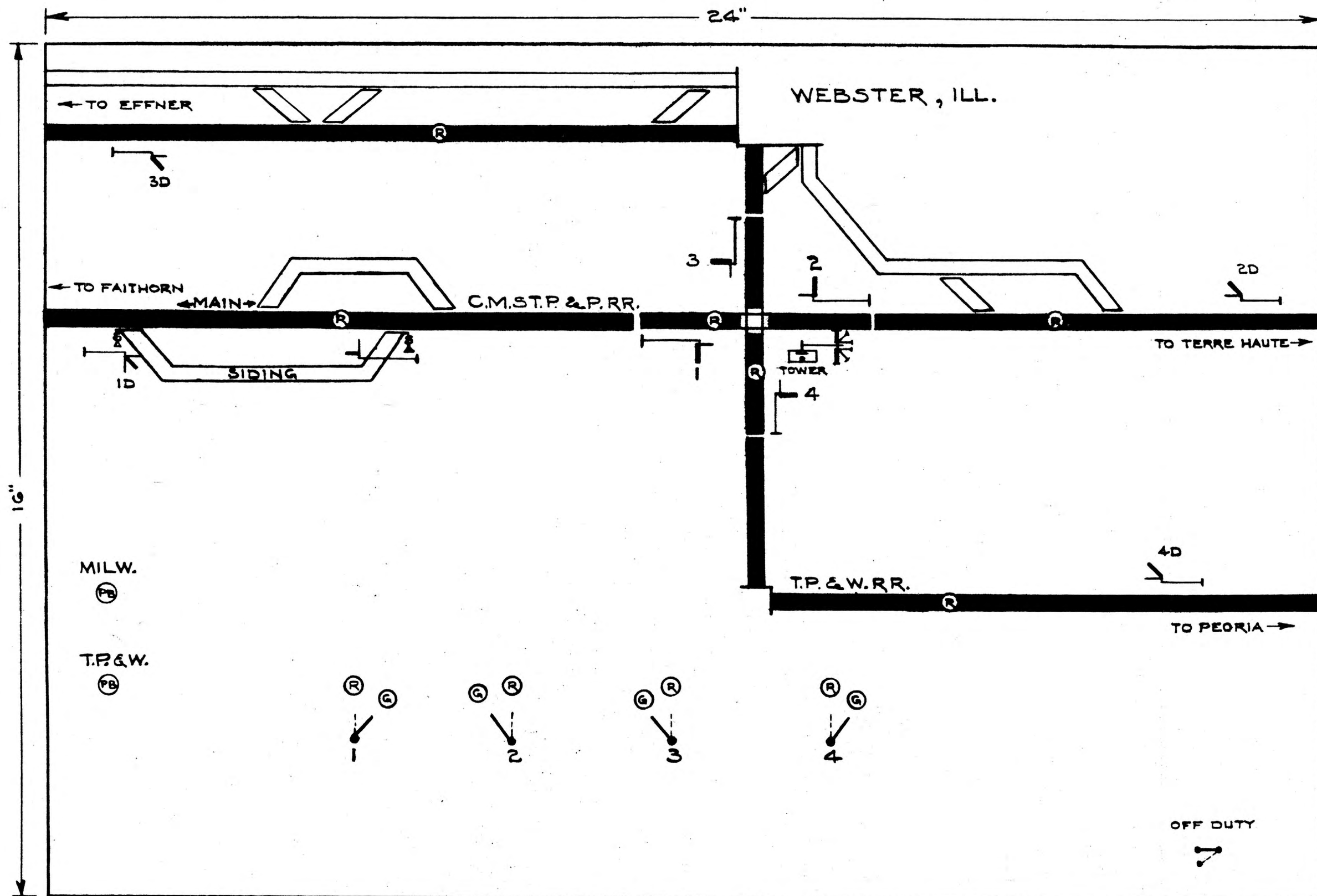
PANEL CABINET TO BE
APPROXIMATELY 6" DEEP
AND WITH REMOVABLE BACK,
(NOT TO SCALE.)

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD
Office of Asst. Chief Engineer — Signals & Communications

WEBSTER, ILL.
CONTROL PANEL.

REFERENCE:- PS-82-1D	DATE 8-15-57
DESIGNED	DRAWN
CHECKED	CORRECT
T.H. DIV.	PS-81-1C

REVISIONS:
 12-17-57-RJB o.k. H.K.
 6-8-77-WEA OK REH



PANEL CABINET TO BE
 APPROXIMATELY 6" DEEP
 AND WITH REMOVABLE BACK,
 (NOT TO SCALE.)

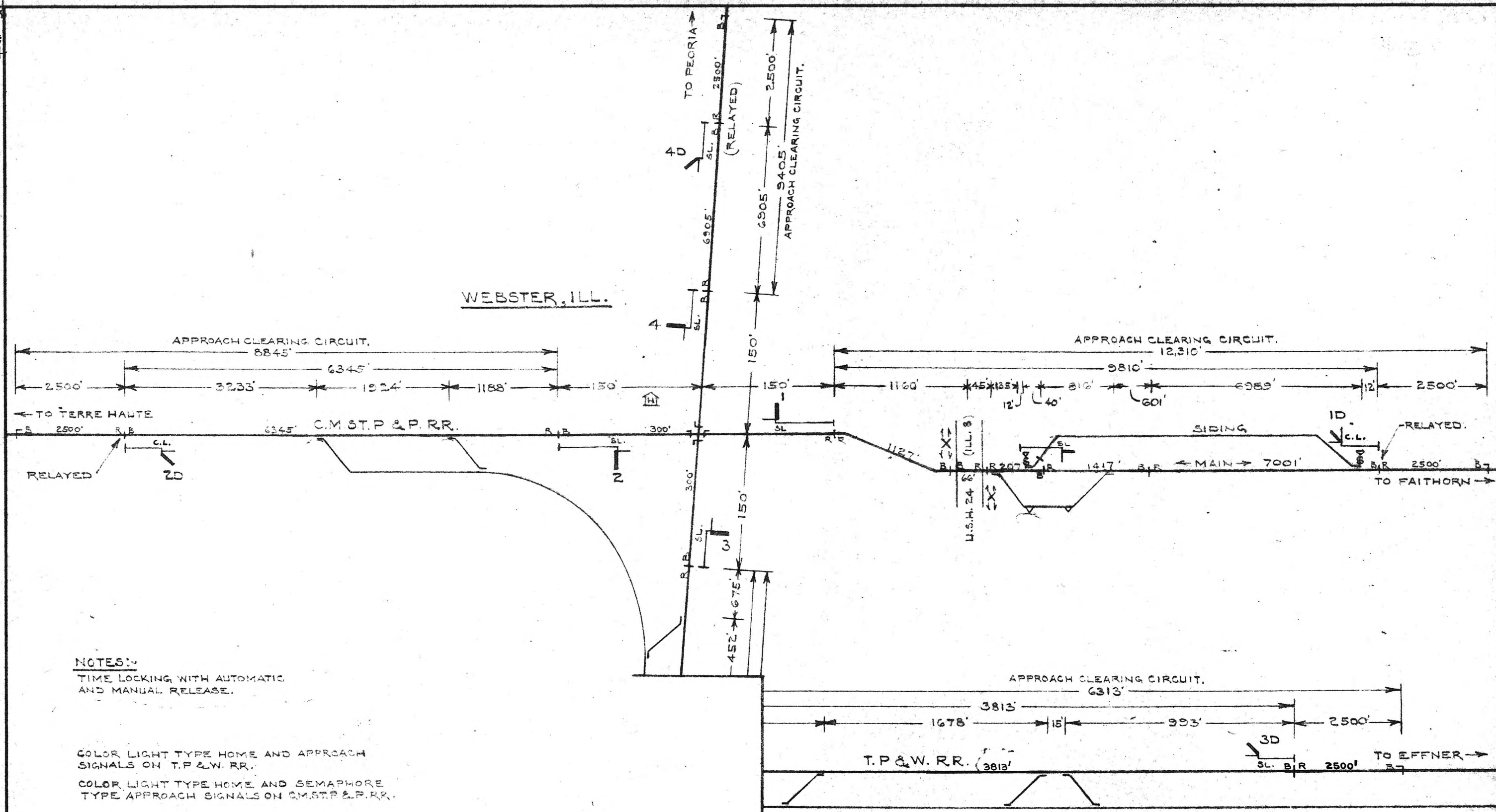
CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD
 Office of Asst. Chief Engineer — Signals & Communications

WEBSTER, ILL.
 CONTROL PANEL.

REFERENCE: P3-82-1D	DATE 5-15-57			
	DESIGNED	DRAWN	CHECKED	CORRECT
	E.D.	E.D.	H.K.	REH
T.H. DIV.	P3-81-1C			

12-16-57-RJB OK
3-6-67-DBP
6-17-68-LWN OK
6-8-77-KEAN OK
1-16-80-JDR OK

12-16-57-RJB OK
3-6-67-DBP
6-17-68-LWN OK
6-8-77-KEAN OK
1-16-80-JDR OK



NOTES:

TIME LOCKING WITH AUTOMATIC
AND MANUAL RELEASE.

COLOR LIGHT TYPE HOME AND APPROACH
SIGNALS ON T.F. & W. RR.

COLOR LIGHT TYPE HOME AND SEMAPHORE
TYPE APPROACH SIGNALS ON CHSST & F. RR.

AUTOMATIC INTERLOCKING
INSTALLED UNDER
AFE 77572
SERVICE DATE 10-23-57

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD
Office of Asst. Chief Engineer — Signals & Communications

WEBSTER, ILL.

AUTOMATIC INTERLOCKING.
TRACK & SIGNALING PLAN.

夏四月丙辰，葬昭王。

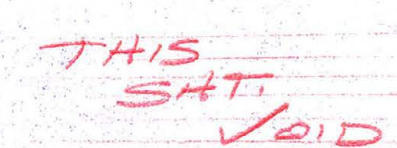
DATE 5-13-57

DESIGNED	DRAWN	CHECKED	CORRECT
<i>E.S.</i>	<i>E.S.</i>	<i>H.H.</i>	<i>Smith</i>

T. H. DIV.

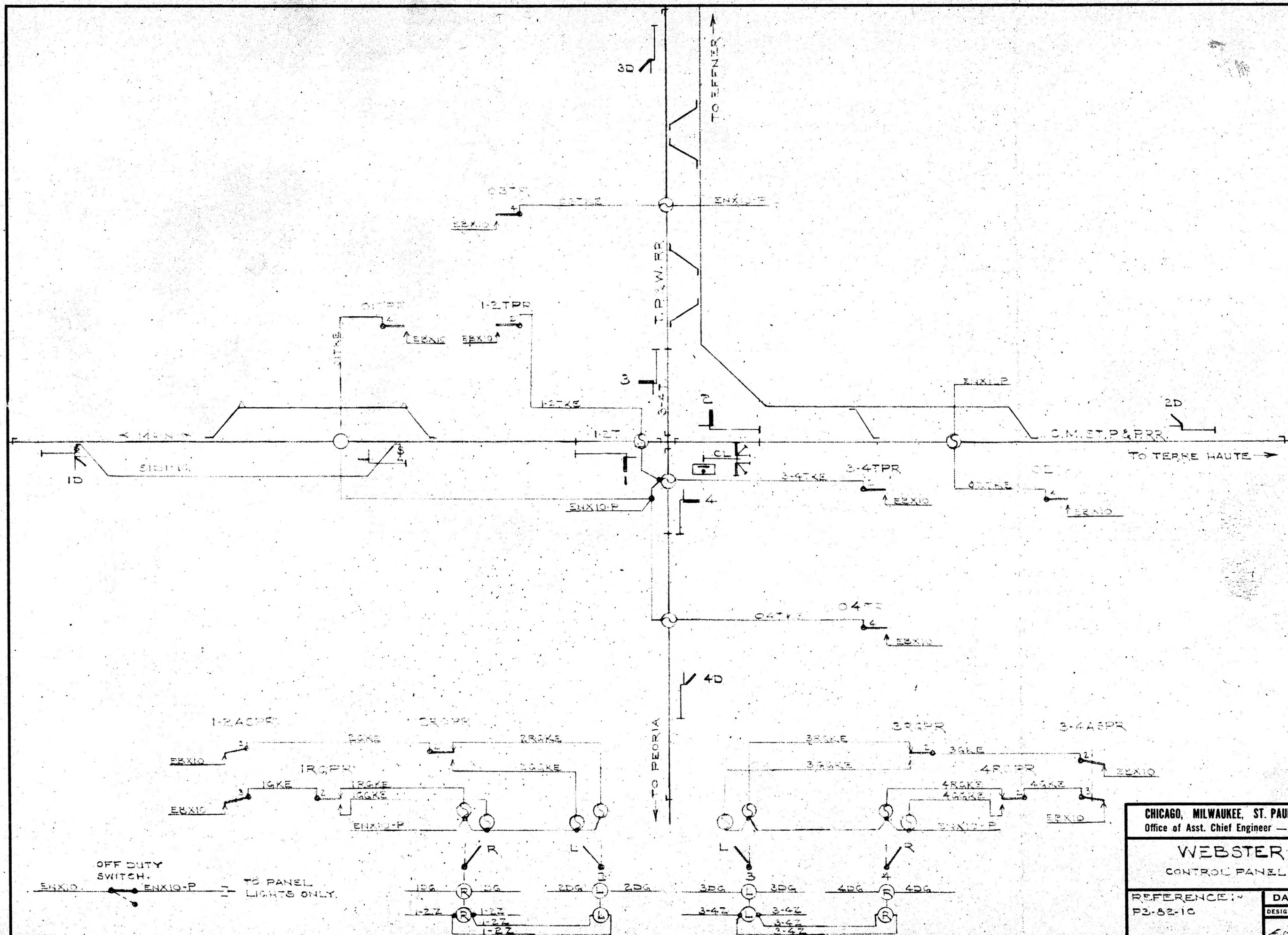
P3-81-1C

12-17-57-RUB. O.K. JHK
6-9-77NHEAN O.K. REH



~~P3-81-13~~

REVISIONS:
12-17-57 RJB, G.K. HJK
6-9-77 WHEAN, G.K. RSH



CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD
Office of Asst. Chief Engineer — Signals & Communications

WEBSTER, ILL.
CONTROL PANEL CIRCUITS.

REFERENCE:
P3-82-10

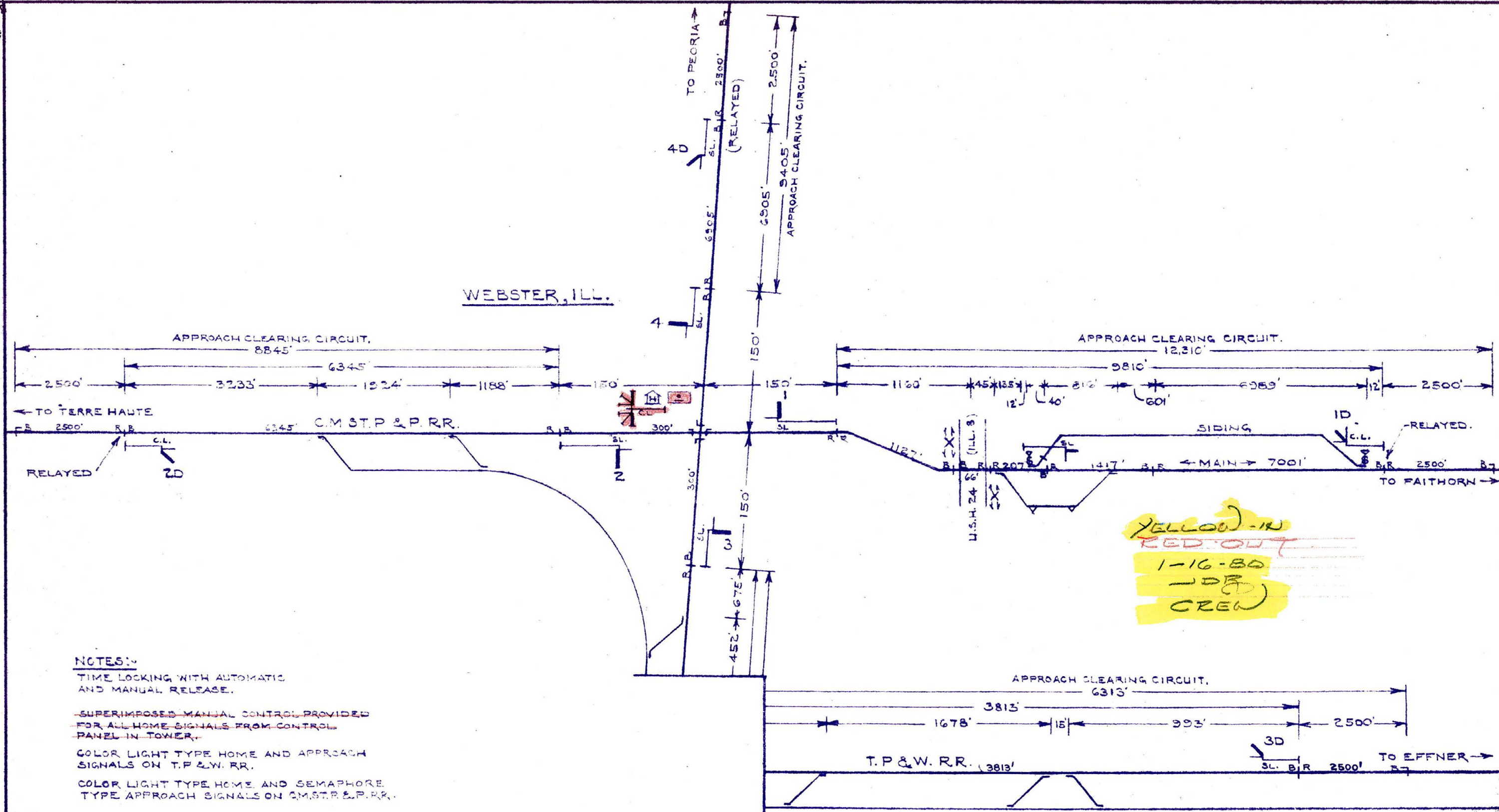
DATE 5-16-57

DESIGNED	DRAWN	CHECKED	CORRECT
G.C.	G.C.	H.K.	H.K.

T.H. DIV.

P3-81-10

REVISIONS:
 10-57-RJB-OK
 5-67-WDBP
 7-68-LWN-OK
 8-77-KEA-OK



NOTES:-

TIME LOCKING WITH AUTOMATIC AND MANUAL RELEASE.

~~SUPERIMPOSED MANUAL CONTROL PROVIDED FOR ALL HOME SIGNALS FROM CONTROL PANEL IN TOWER.~~

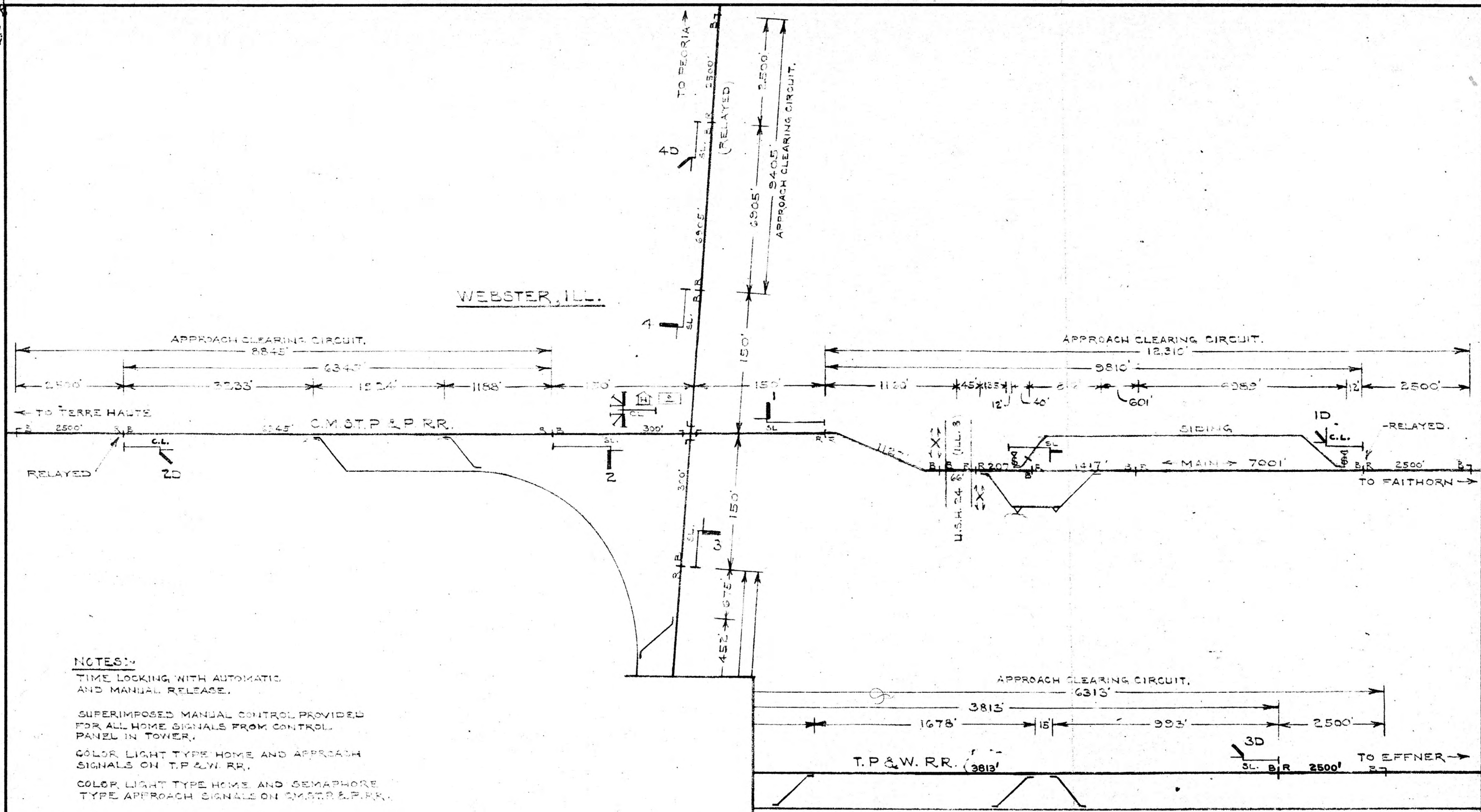
COLOR LIGHT TYPE HOME AND APPROACH SIGNALS ON T.P. & W. RR.

COLOR LIGHT TYPE HOME AND SEMAPHORE TYPE APPROACH SIGNALS ON C.M. & St. P. & P. RR.

AUTOMATIC INTERLOCKING
 INSTALLED UNDER
 AFE 77572
 SERVICE DATE 10-23-57

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD Office of Asst. Chief Engineer — Signals & Communications			
WEBSTER, ILL. AUTOMATIC INTERLOCKING. TRACK & SIGNALING PLAN.			
REFERENCE:-	DATE 5-13-57		
DESIGNED	DRAWN	CHECKED	CORRECT
E.D.	E.D.	R.H.	W.M.
T.H. DIV.		P3-81-1EC	

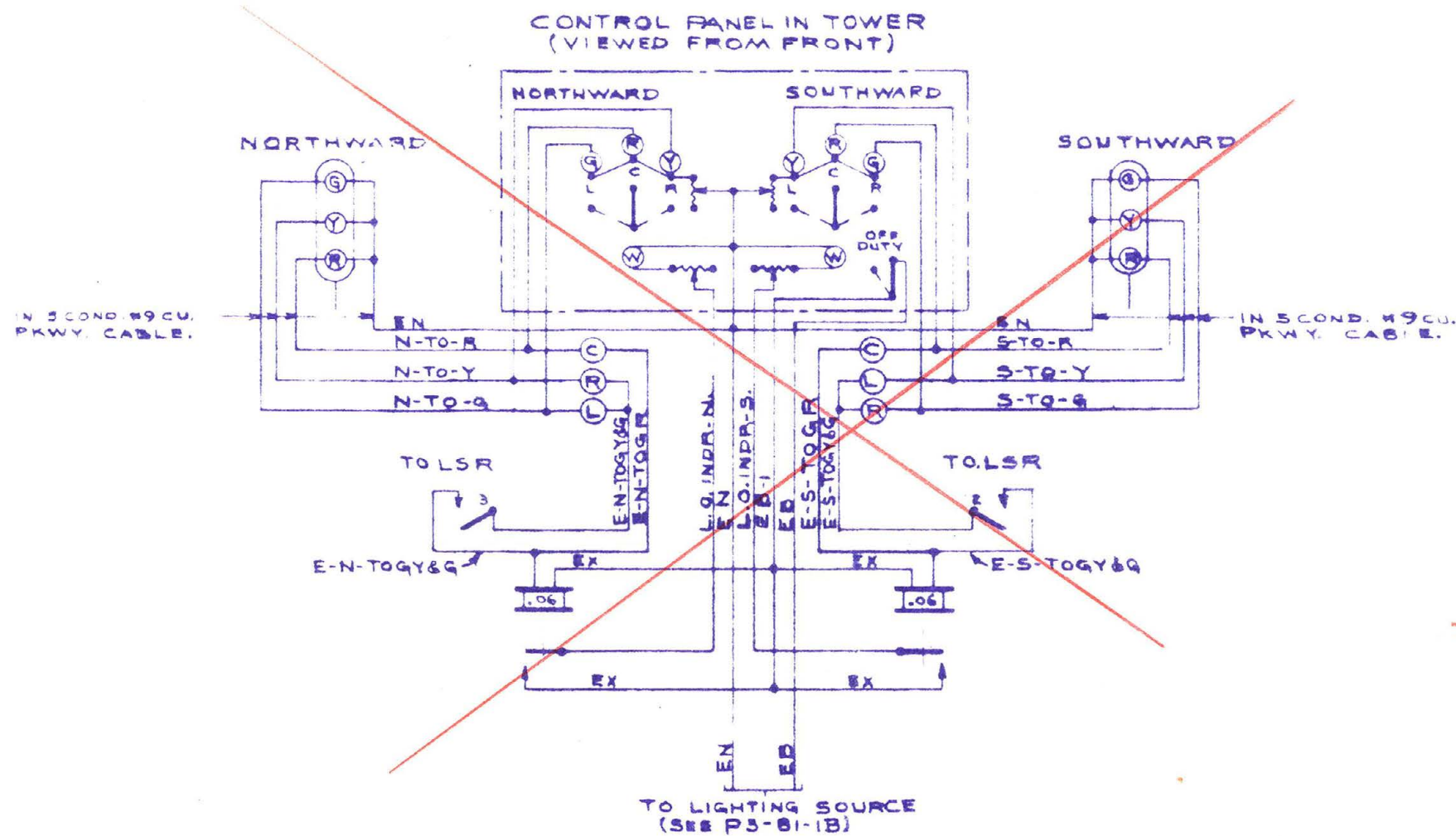
REVISIONS
 12-16-57-RJB
 3-6-67-DBP
 6-17-68-LWN
 6-8-77-KEA



NOTES:-
 TIME LOCKING, WITH AUTOMATIC AND MANUAL RELEASE.
 SUPERIMPOSED MANUAL CONTROL PROVIDED FOR ALL HOME SIGNALS FROM CONTROL PANEL IN TOWER.
 COLOR LIGHT TYPE HOME AND APPROACH SIGNALS ON T.P. & W. RR.
 COLOR LIGHT TYPE HOME AND SEMAPHORE TYPE APPROACH SIGNALS ON C.M. & ST. P. RR.

AUTOMATIC INTERLOCKING
 INSTALLED UNDER
 AFE 77572
 SERVICE DATE 10-23-57

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD			
Office of Asst. Chief Engineer — Signals & Communications			
WEBSTER, ILL.			
AUTOMATIC INTERLOCKING. TRACK & SIGNALING PLAN.			
REFERENCE:	DATE 5-13-57		
DESIGNED	DRAWN	CHECKED	CORRECT
E.C.	E.C.	R.H.K.	G.M.A.
T.H. DIV.		P3-81-1E	



THIS
PRINT
VOID

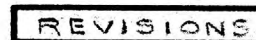
REVISIONS

RED-OUT
1-16-89
JDR
CREW

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD
Office of Asst. Chief Engineer — Signals & Communications

WEBSTER, ILLINOIS.
TRAIN ORDER CONTROL PANEL

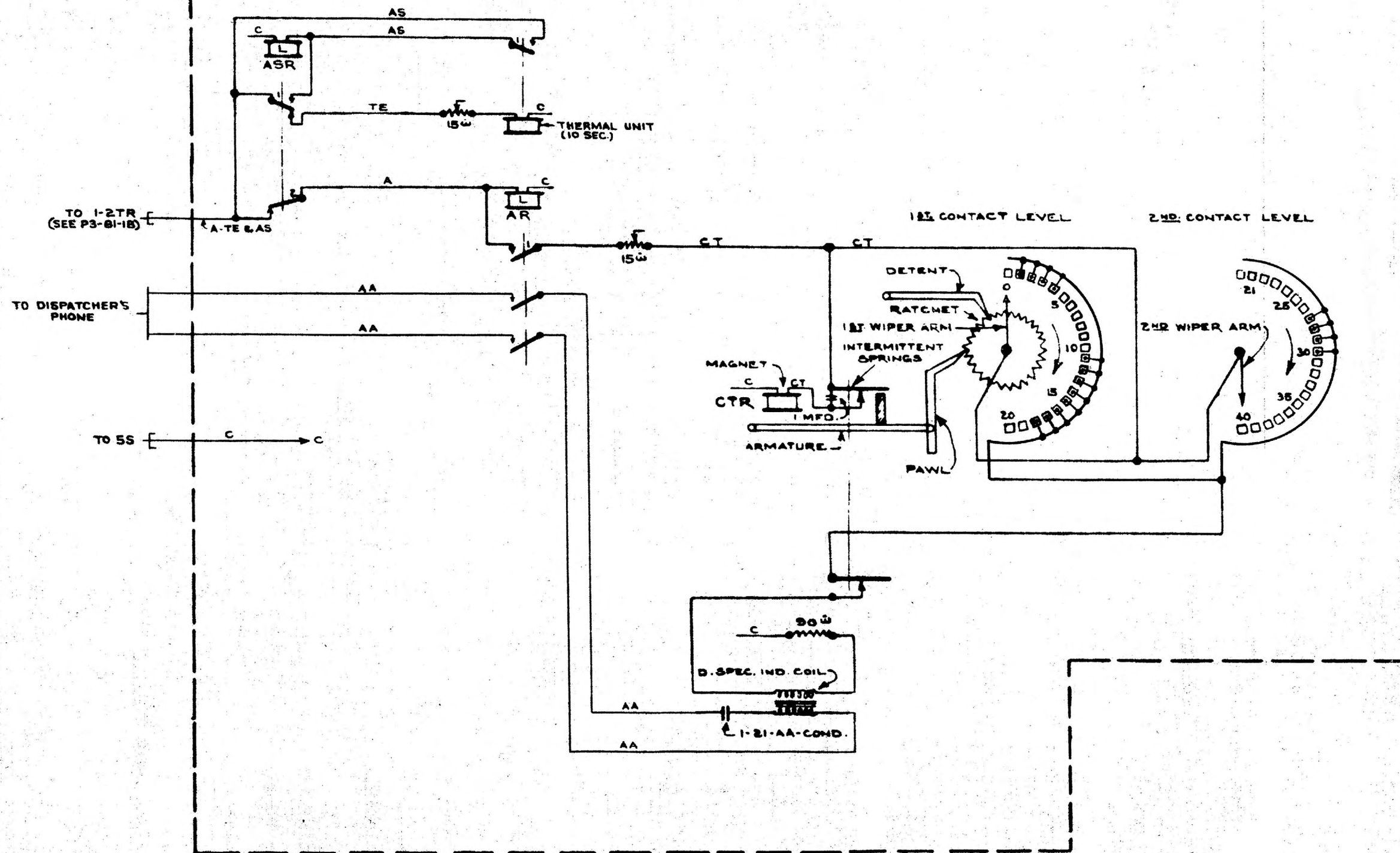
REFERENCES -		DATE 8-19-57			
		DESIGNED	DRAWN	CHECKED	APPROVED
			FHM	W.H.	W.H.
T.H. DIV.		P3-81-1B			



P3-81-1F

ANNUNCIATOR UNIT

REVISIONS:
J5-26-64 DBR:KJH



C. M. ST. P. & P. RR.
TELEGRAPH-SPECIAL DEPT.

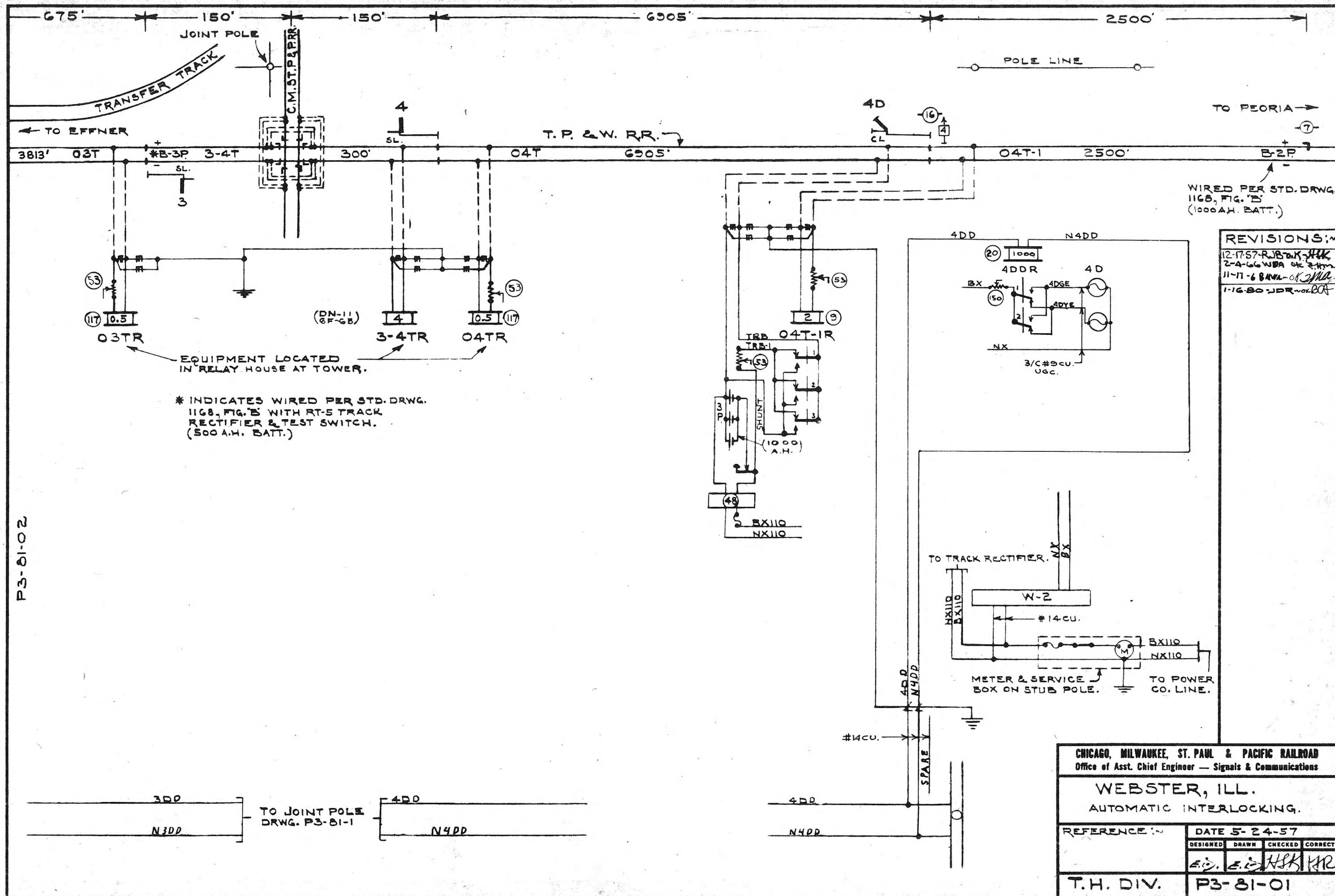
WEBSTER, ILL.
(ANNUNCIATOR CIRCUITS)

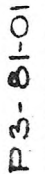
REFERENCE: 17

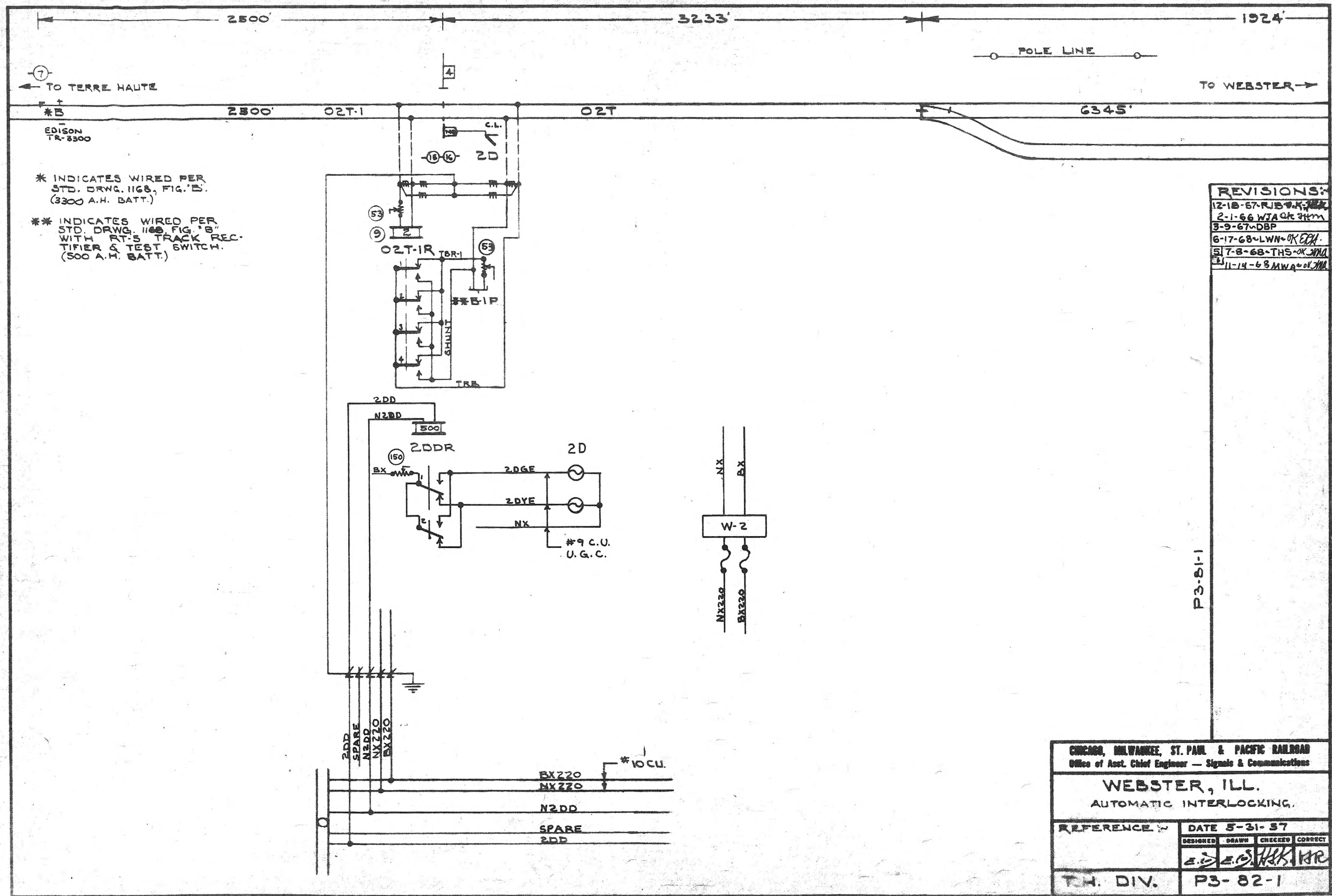
DATE: 5-26-54

T. H. DIV.

P3-81-1G







REVISIONS:	
12-18-67	RJB OK JHM
2-1-66	WJA OK JHM
9-9-67	DBP
6-17-68	LWN OK ECH
5-7-68	THS OK JMA
11-14-68	MWA OK JMA

P3-81-1

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD				
Office of Asst. Chief Engineer — Signals & Communications				
WEBSTER, ILL.				
AUTOMATIC INTERLOCKING.				
REFERENCE	DATE 5-31-57			
	DESIGNED	DRAWN	CHECKED	CORRECT
	E. J.	E. C.	W. K.	J. R.
T.H. DIV.		P3-82-1		