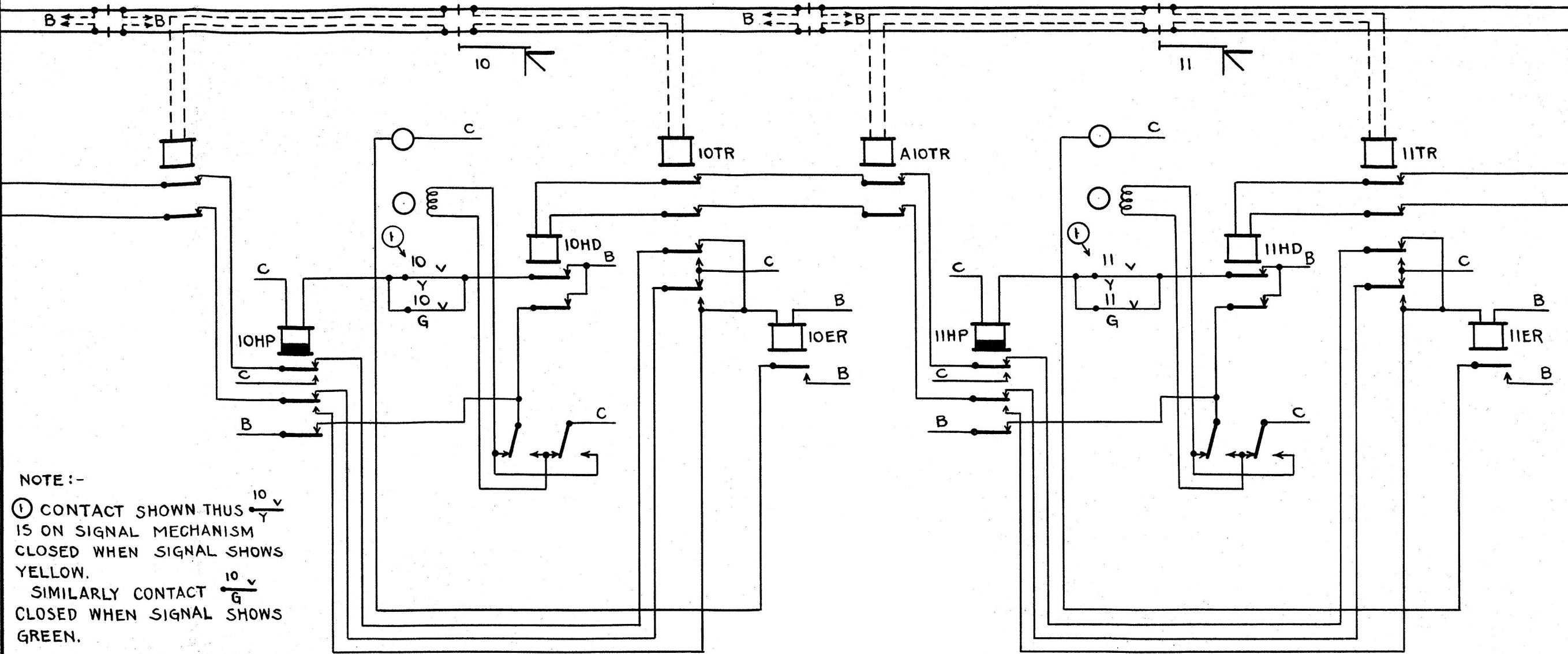


CUT OUT
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LETTER FILE



NOTE :-
① CONTACT SHOWN THUS $\frac{10}{Y}$
IS ON SIGNAL MECHANISM
CLOSED WHEN SIGNAL SHOWS
YELLOW.
SIMILARLY CONTACT $\frac{10}{G}$
CLOSED WHEN SIGNAL SHOWS
GREEN.

SUPERSEDES P4249 SH.2.

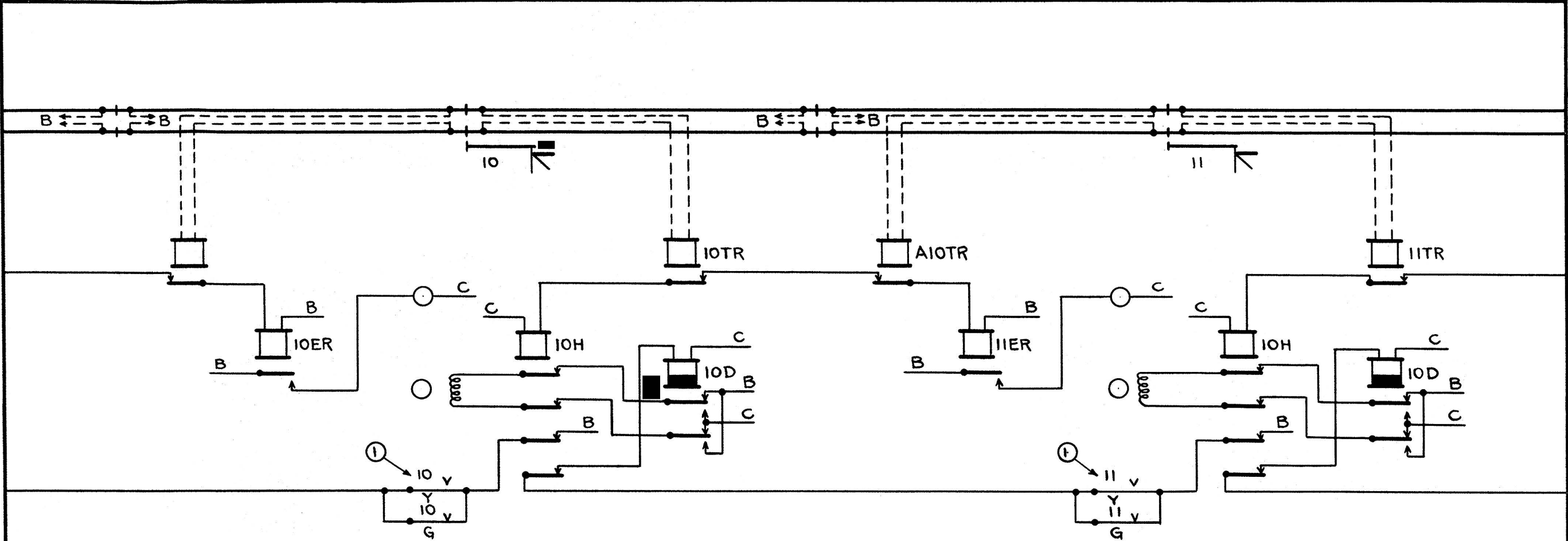
DESIGNED BY RAM^cC
DRAWN BY ALTENHOF
TRACED BY FJH
CHECKED BY *[Signature]*
O. K'D BY

POLARIZED LINE CIRCUITS
WITH LINE RELAYS

TYPICAL CIRCUITS FOR SEARCH
LIGHT SIGNALS
DOUBLE TRACK
TWO BLOCK INDICATION
U. S. & S. Co., Swissvale, Pa. Scale: NONE

MORE SHEETS SHEET No. 2
APPROVED *[Signature]* DATE 5/15/32
DATE 4-5-32
TP 64

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NOTE:-
① CONTACT SHOWN THUS $\frac{10V}{Y}$ IS ON SIGNAL MECHANISM
CLOSED WHEN SIGNAL SHOWS YELLOW
SIMILARLY CONTACT $\frac{10V}{G}$ CLOSED WHEN SIGNAL SHOWS
GREEN.

SUPERSEDES P4249 SH3.

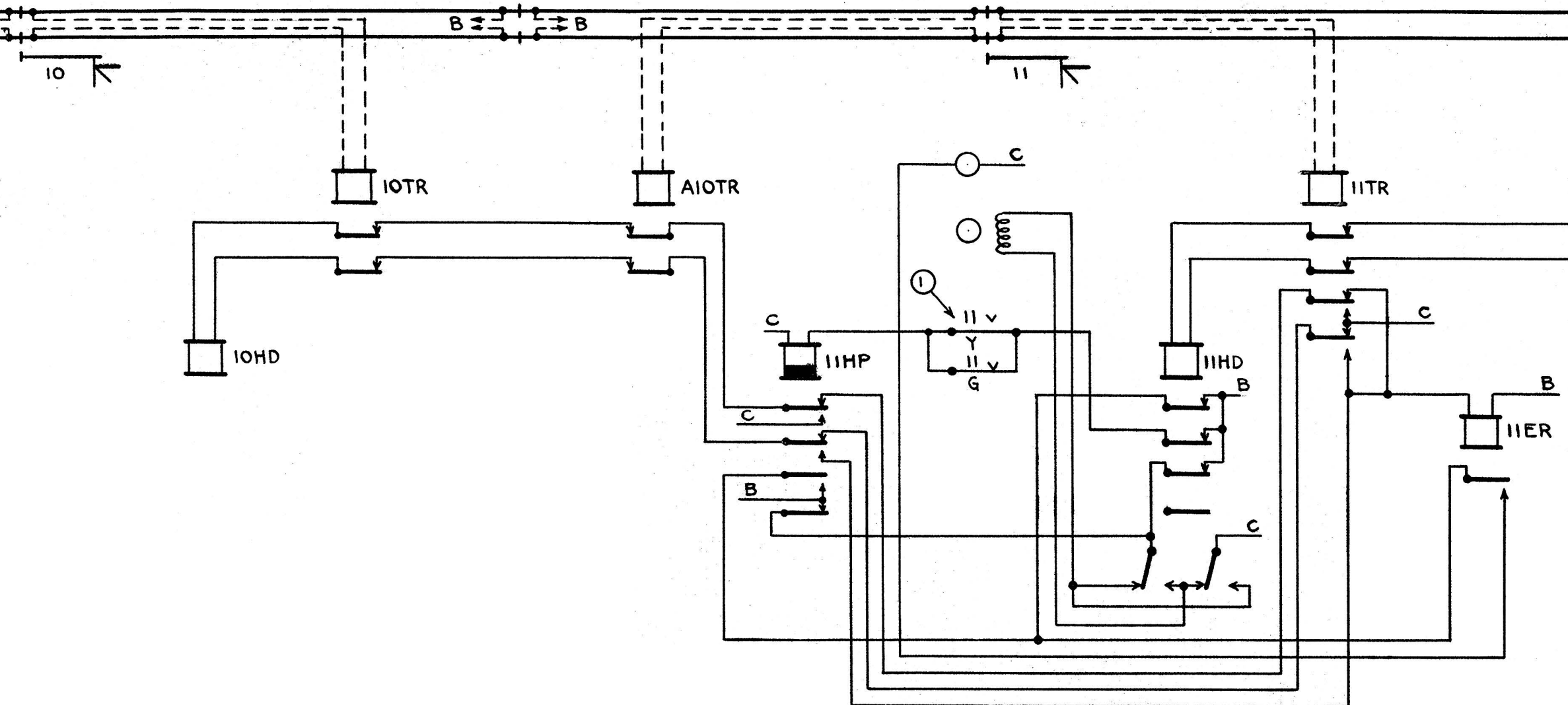
DESIGNED BY RAMC
DRAWN BY ALTENHOF
TRACED BY FJH
CHECKED BY *RAMC*
O. K'D BY

NEUTRAL LINE RELAYS

TYPICAL CIRCUITS FOR SEARCH-
LIGHT SIGNALS
DOUBLE TRACK
TWO BLOCK INDICATION
U. S. & S. Co., Swissvale, Pa. Scale: NONE

MORE SHEETS SHEET NO. 3
APPROVED *RAMC* DATE 9/13/32
DATE 4-5-32
TP 64

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LETTER FILE



NOTE:
① CONTACT SHOWN THUS: $\frac{11 v}{Y}$ IS ON SIGNAL MECHANISM
CLOSED WHEN SIGNAL SHOWS YELLOW.
SIMILARLY CONTACT $\frac{11 g}{G}$ CLOSED WHEN SIGNAL SHOWS
GREEN.

DESIGNED BY R.A.M.C.
DRAWN BY FISHER
TRACED BY FJH
CHECKED BY *SMC*
O. K'D BY

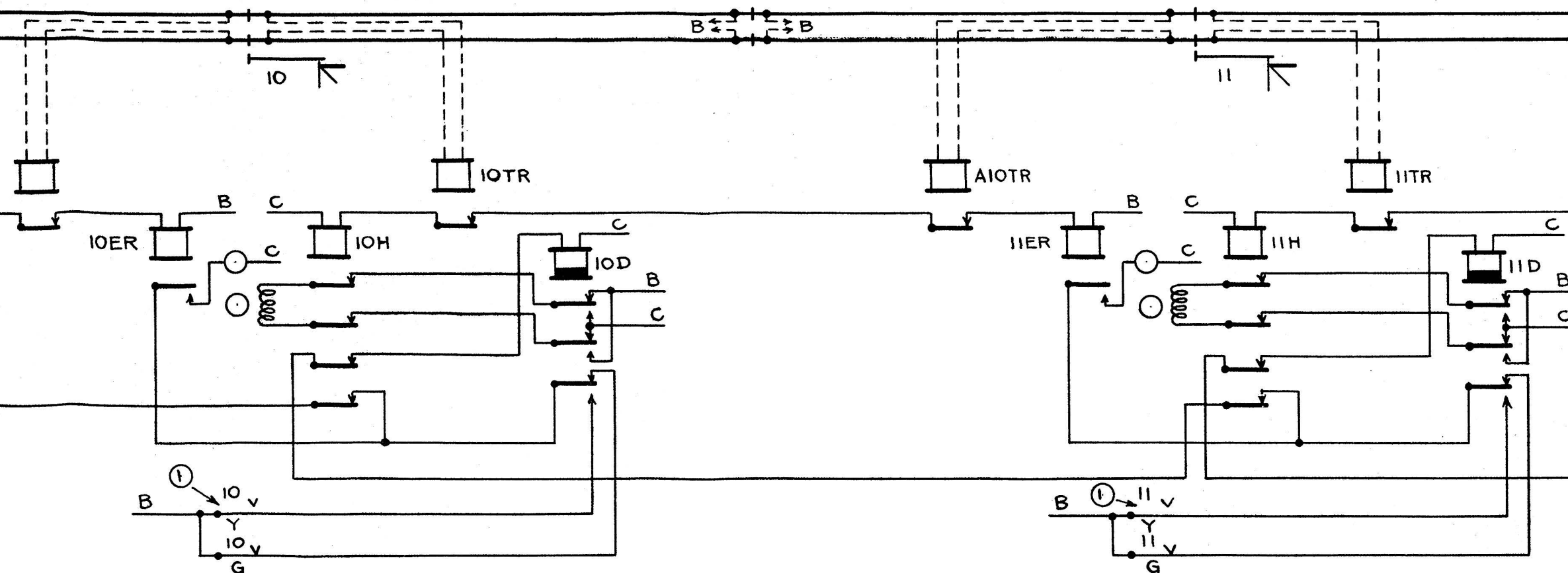
POLARIZED LINE CIRCUITS
WITH LINE RELAYS
CIRCUIT TO ELIMINATE
RED FLASH

TYPICAL CIRCUITS FOR SEARCH-
LIGHT SIGNALS
DOUBLE TRACK
TWO BLOCK INDICATION
U. S. & S. Co., Swissvale, Pa. Scale: NONE

MORE SHEETS SHEET NO. 6
APPROVED *FJH* DATE 5/22/32
DATE 4-5-32
TP 64

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LETTER FILE



NOTE:-

① = CONTACT SHOWN THUS: $\frac{10 \vee}{Y}$ IS ON SIGNAL MECHANISM
CLOSED WHEN SIGNAL SHOWS YELLOW.
SIMILARLY CONTACT $\frac{10 \vee}{G}$ CLOSED WHEN SIGNAL SHOWS
GREEN.

DESIGNED BY R.A.McC.
DRAWN BY HOWSARE
TRACED BY FJH
CHECKED BY *R.M.C.*
O. K'D BY

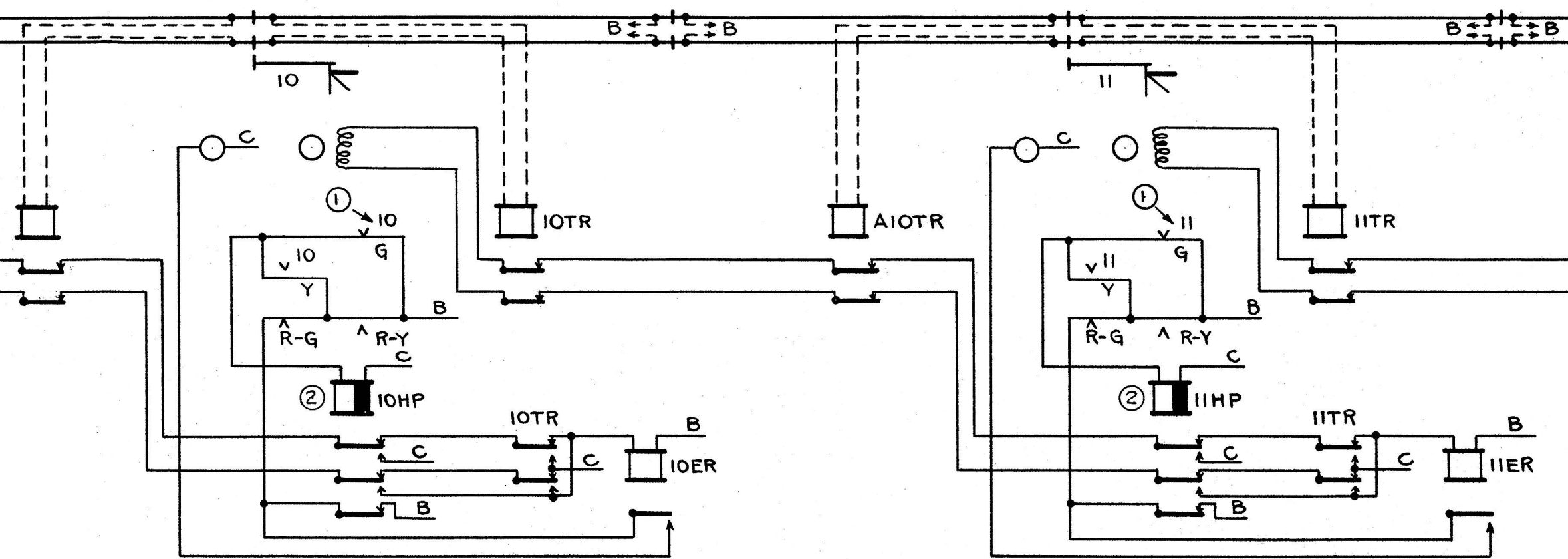
NEUTRAL LINE RELAYS CIRCUIT
TO ELIMINATE RED FLASH.

TYPICAL CIRCUITS FOR SEARCH-
LIGHT SIGNALS
DOUBLE TRACK
TWO BLOCK INDICATION
U. S. & S. Co., Swissvale, Pa. Scale: NONE

MORE SHEETS SHEET No. 7
APPROVED *[Signature]* DATE *5/22/32*
DATE
4-5-32
TP 64

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LETTER FILE



NOTE:

- ① CONTACT SHOWN THUS: $\frac{10 \vee}{Y}$ IS ON SIGNAL MECHANISM
CLOSED WHEN SIGNAL SHOWS YELLOW.
SIMILARLY CONTACT $\frac{10 \vee}{G}$ CLOSED WHEN SIGNAL SHOWS
GREEN.
- ② DN-18 SLOW-PICK UP SLOW RELEASE RELAY

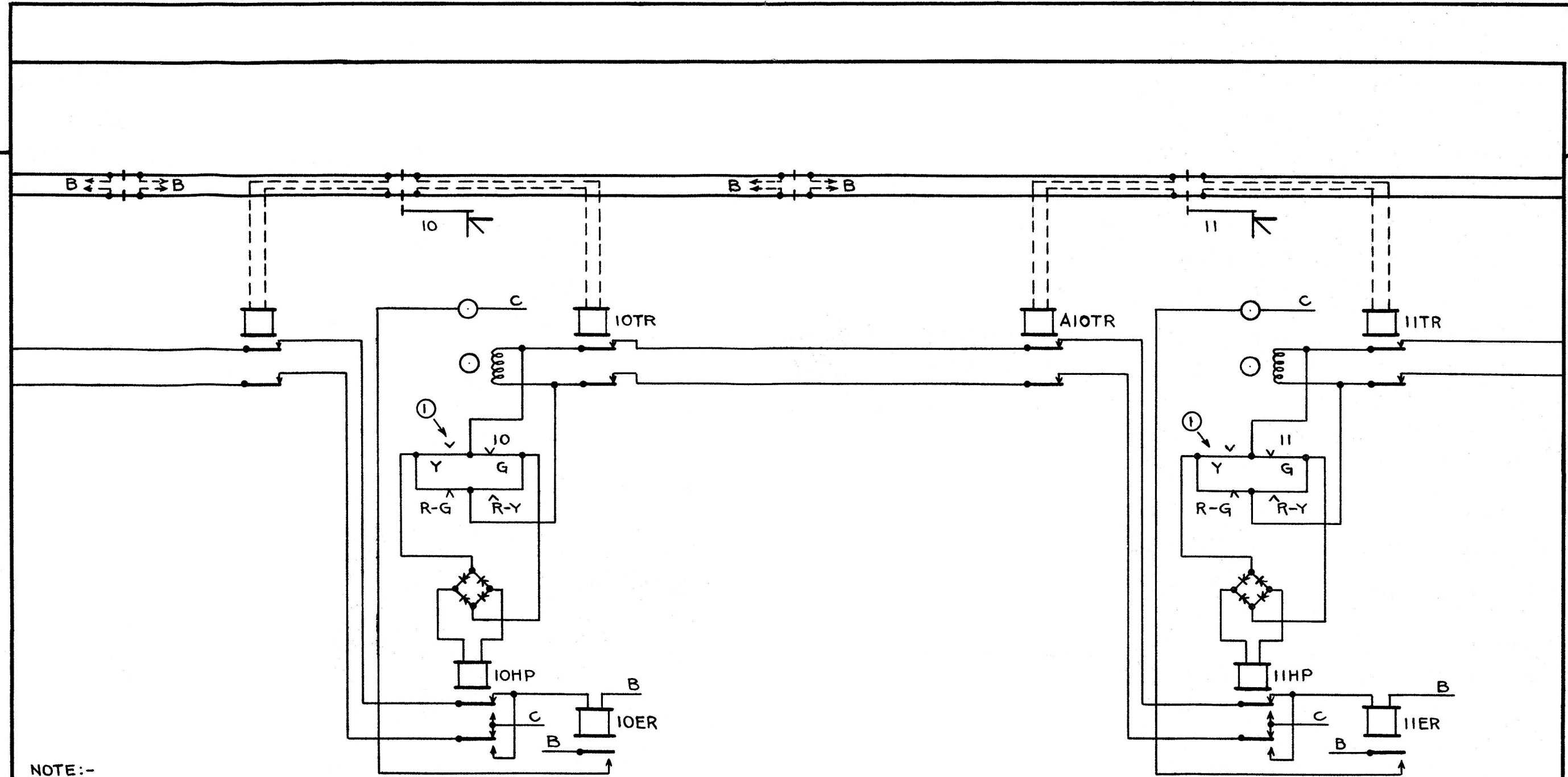
DESIGNED BY R.A.M.C
DRAWN BY FISHER
TRACED BY FJH
CHECKED BY *[Signature]*
O. K'D BY

POLARIZED LINE CIRCUIT
WITHOUT LINE RELAYS
CIRCUIT TO ELIMINATE
GREEN FLASH

TYPICAL CIRCUITS FOR FLASH-
LIGHT SIGNALS.
DOUBLE TRACK
TWO BLOCK INDICATION
U. S. & S. Co., Swissvale, Pa. Scale: NONE

MORE SHEETS SHEET No. 8
APPROVED *[Signature]* DATE 8/23/32
DATE 4-5-32
TP 64

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LETTER FILE



NOTE:-
① CONTACTS SHOWN THUS $\frac{10 \vee}{Y}$ IS ON SIGNAL MECHANISM
CLOSED WHEN SIGNAL SHOWS YELLOW.
SIMILARLY CONTACT $\frac{10 \vee}{G}$ CLOSED WHEN SIGNAL SHOWS
GREEN.

DESIGNED BY R.A.M.C.
DRAWN BY ALTENHOF
TRACED BY FJH
CHECKED BY *RMC*
O. K'D BY

SIGNAL REPEATING
RELAY CONTROLLED FROM
SIGNAL LINE
CIRCUIT

TYPICAL CIRCUITS FOR SEARCH-
LIGHT SIGNALS
DOUBLE TRACK
TWO BLOCK INDICATION
U. S. & S. Co., Swissvale, Pa. Scale: NONE

9 SHEETS SHEET NO. 9
APPROVED *[Signature]* DATE 6/23/32
DATE 4-5-32
TP 64