

Group A Upper Bank

16/ _____
 17/ _____
 18/ _____
 19/ _____
 10/ _____

 0/ _____
 9/ _____
 8/ _____
 7/ _____
 6/ _____

Lower Bank

11/ _____ 110
 12/ _____ 120
 13/ _____ 130
 14/ _____ 140
 15/ _____ 150

 5/ _____ 50
 4/ _____ 40
 3/ _____ 30
 2/ _____ 20
 1/ _____ 10

Group B Upper Bank

6/ _____
 7/ _____
 8/ _____
 9/ _____
 0/ _____

 10/ _____
 19/ _____
 18/ _____
 17/ _____
 16/ _____

Lower Bank

1/ _____ 10
 2/ _____ 20
 3/ _____ 30
 4/ _____ 40
 5/ _____ 50

 15/ _____ 150
 16/ _____ 160
 13/ _____ 130
 12/ _____ 120
 11/ _____ 110

Fig. 2

Plant School
Training Purposes Only

355 CDO
Bank Wiring

T 616930

lower level preferred
in group as shown

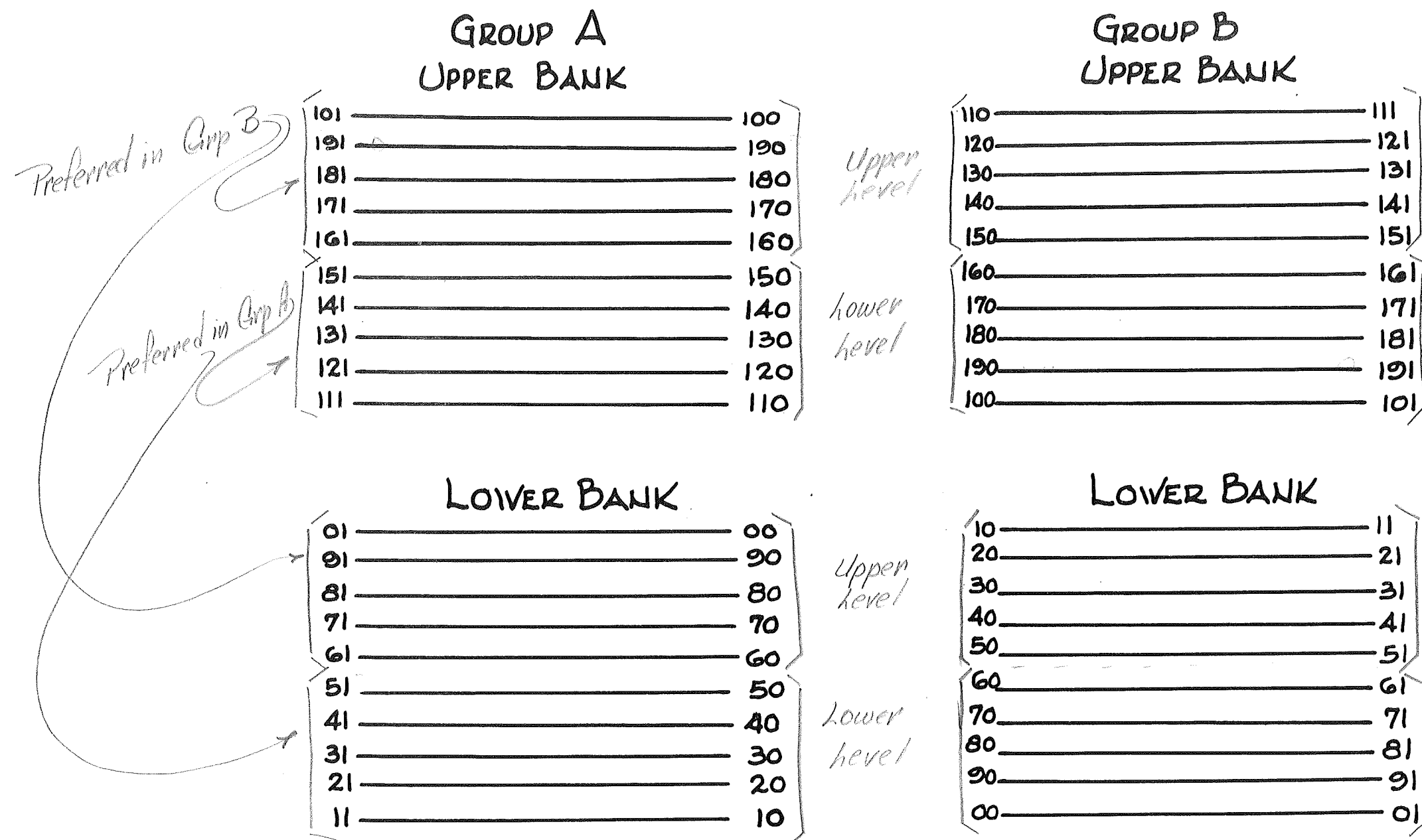


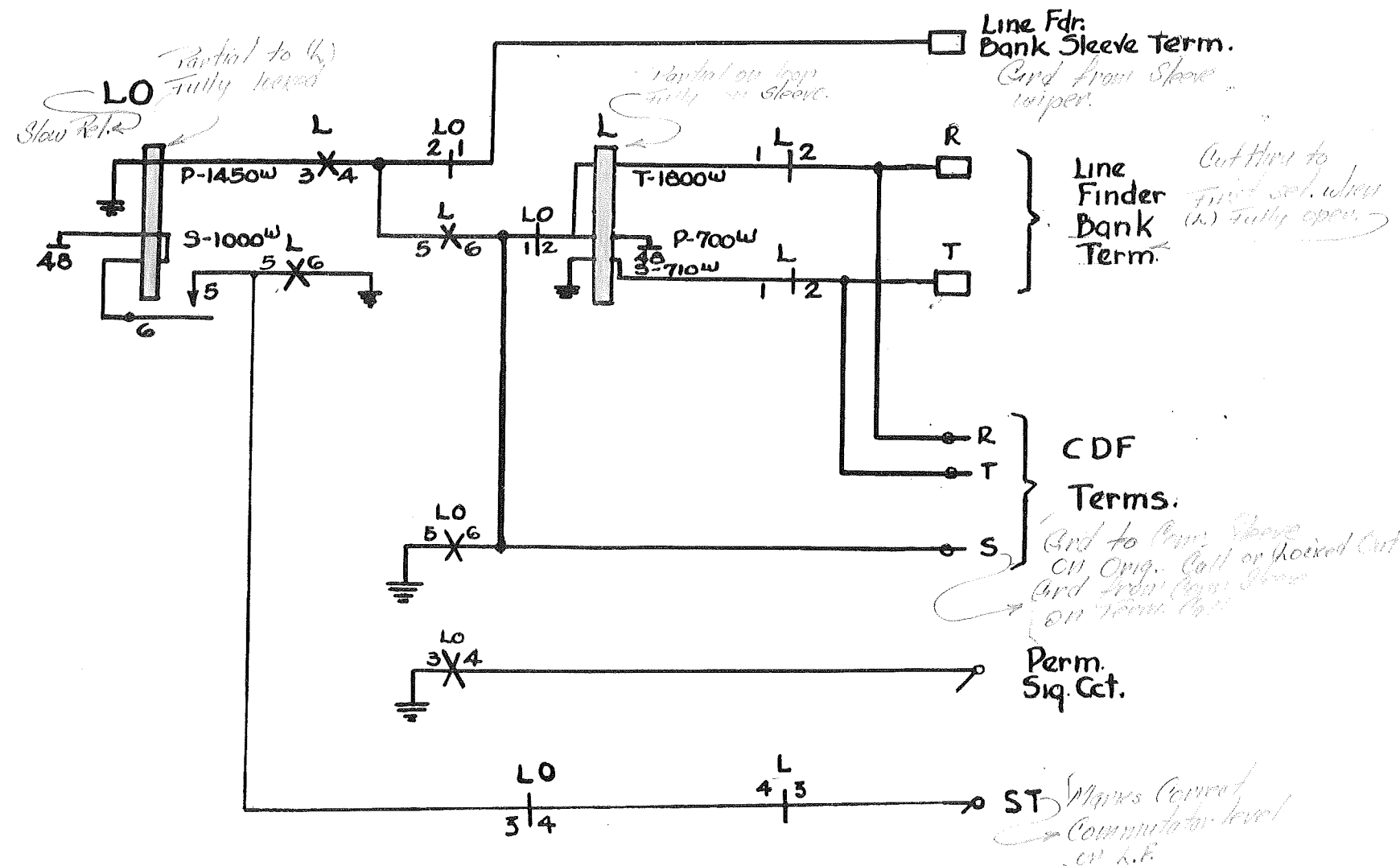
FIG. 4.5
PLANT SCHOOL
TRAINING PURPOSES ONLY
355 CDO
BANK WIRING
TG16986

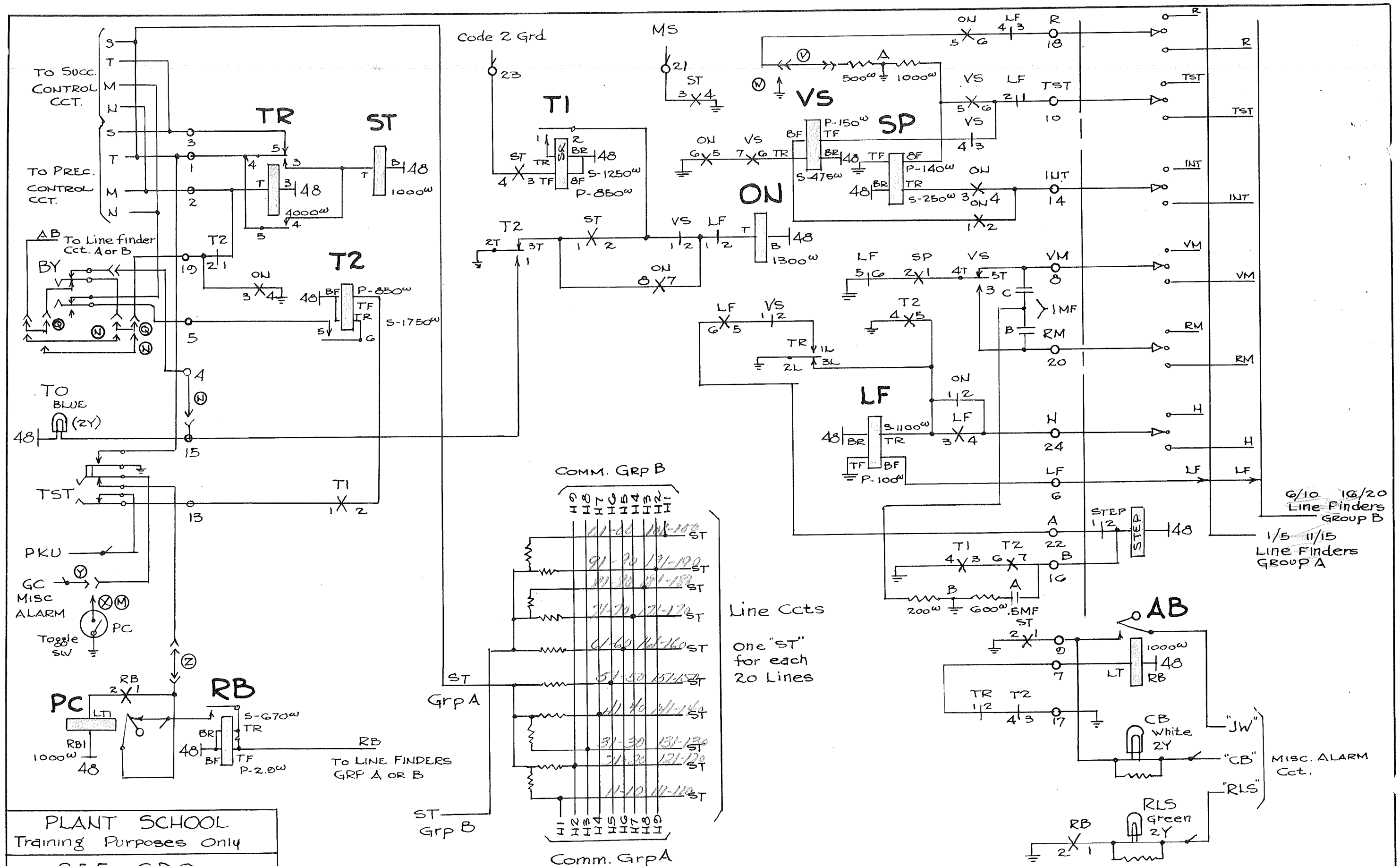
Commutating Call

(L) - Operates partially on subs loop.
 Marks Sleeve term on L.F. & Commutator.
 L.F. Sleeve wiper puts grd. back to
 fully operate (L).
 Tr R cut thru to first selector thru L.F.
 Start lead open. Both & Grd removed from
 Tr R.

Terminating Call
 (L)° to grd on sleeve
 wiper of commutator
 to make line bgy.
 (cuts both & grd from (L) to cut.
 For pulsing purposes.)

hook Out Feature.
 PS. ties line to
 first sel.
 No dialing!
 Timing feature momentarily opens
 sleeve grd.
 (LO) partial open to L
 (LO) fully open & locks to partial mode
 contact 5x6 3 (LO)
 (L) releases to (LO)
 reoperates partially to subs loop
 LF & First Sel. released [sleeve open]
 Perm sig cut connected





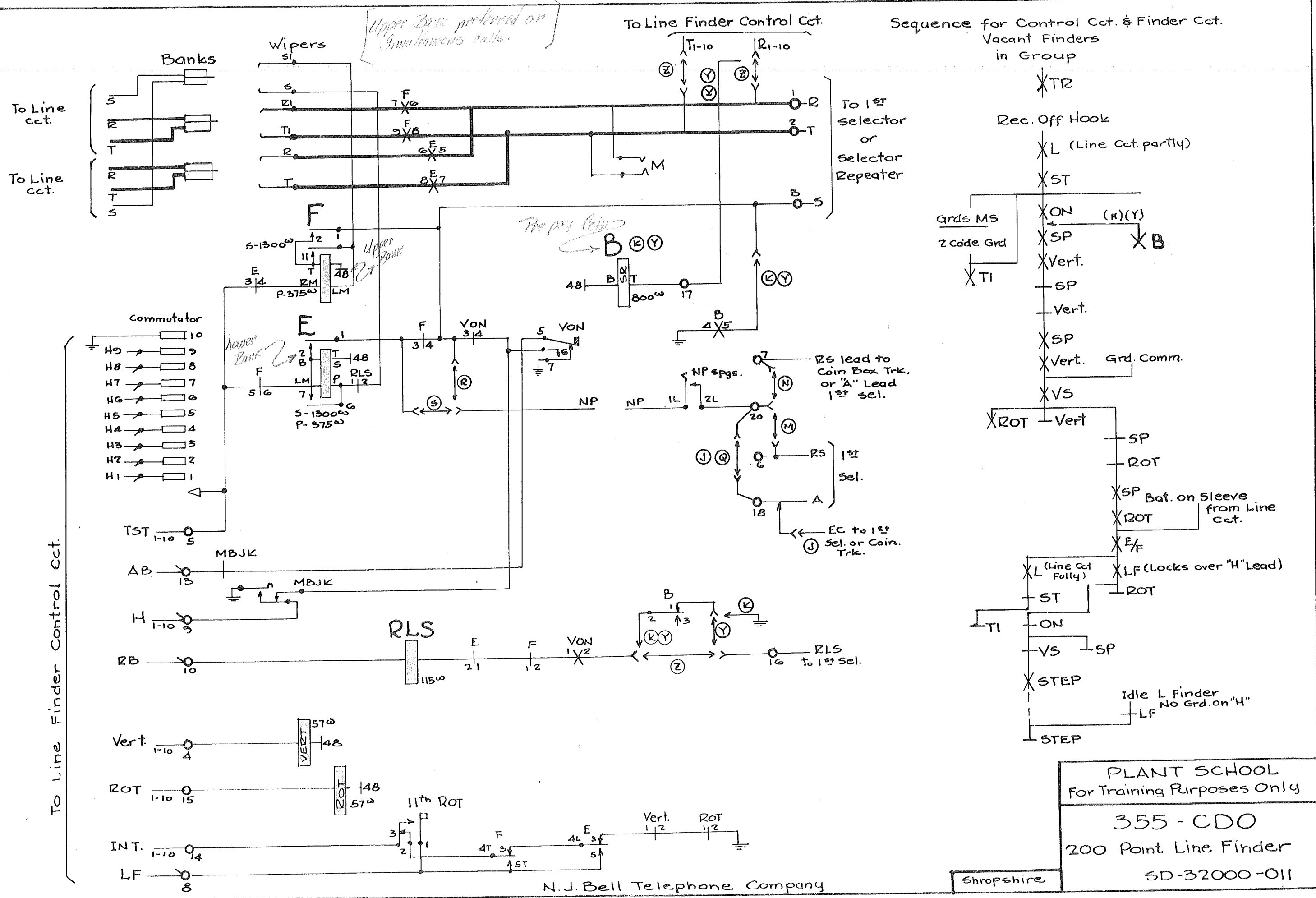
PLANT SCHOOL
Training Purposes Only

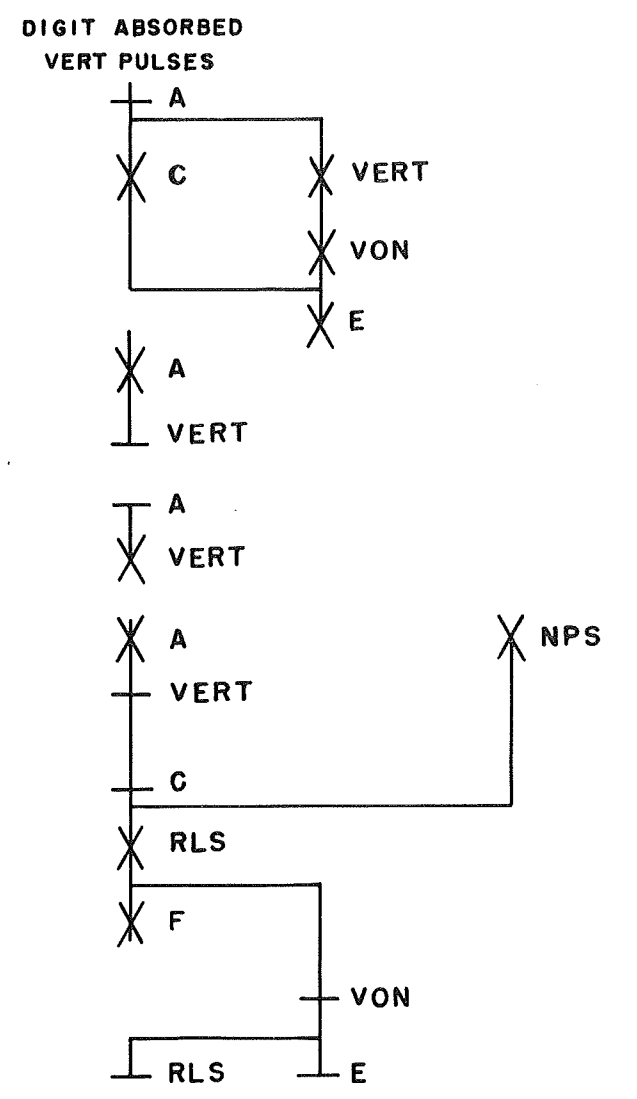
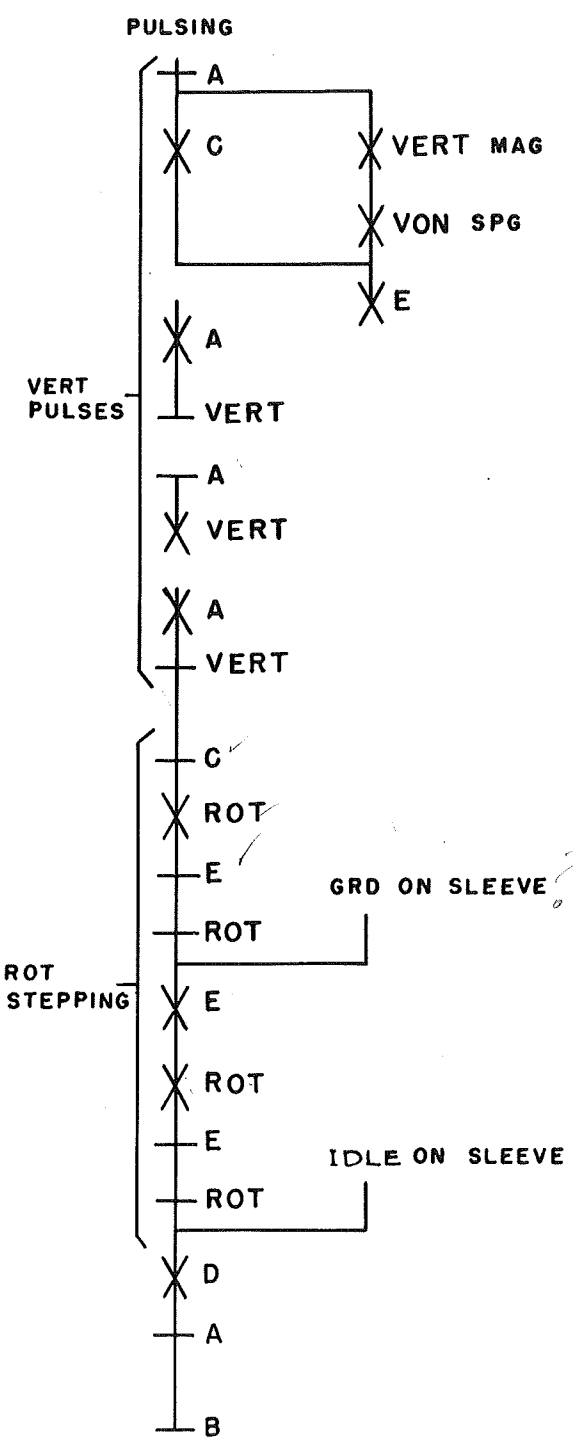
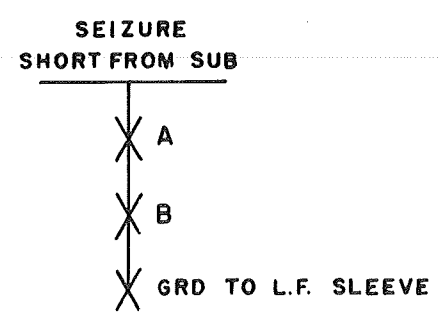
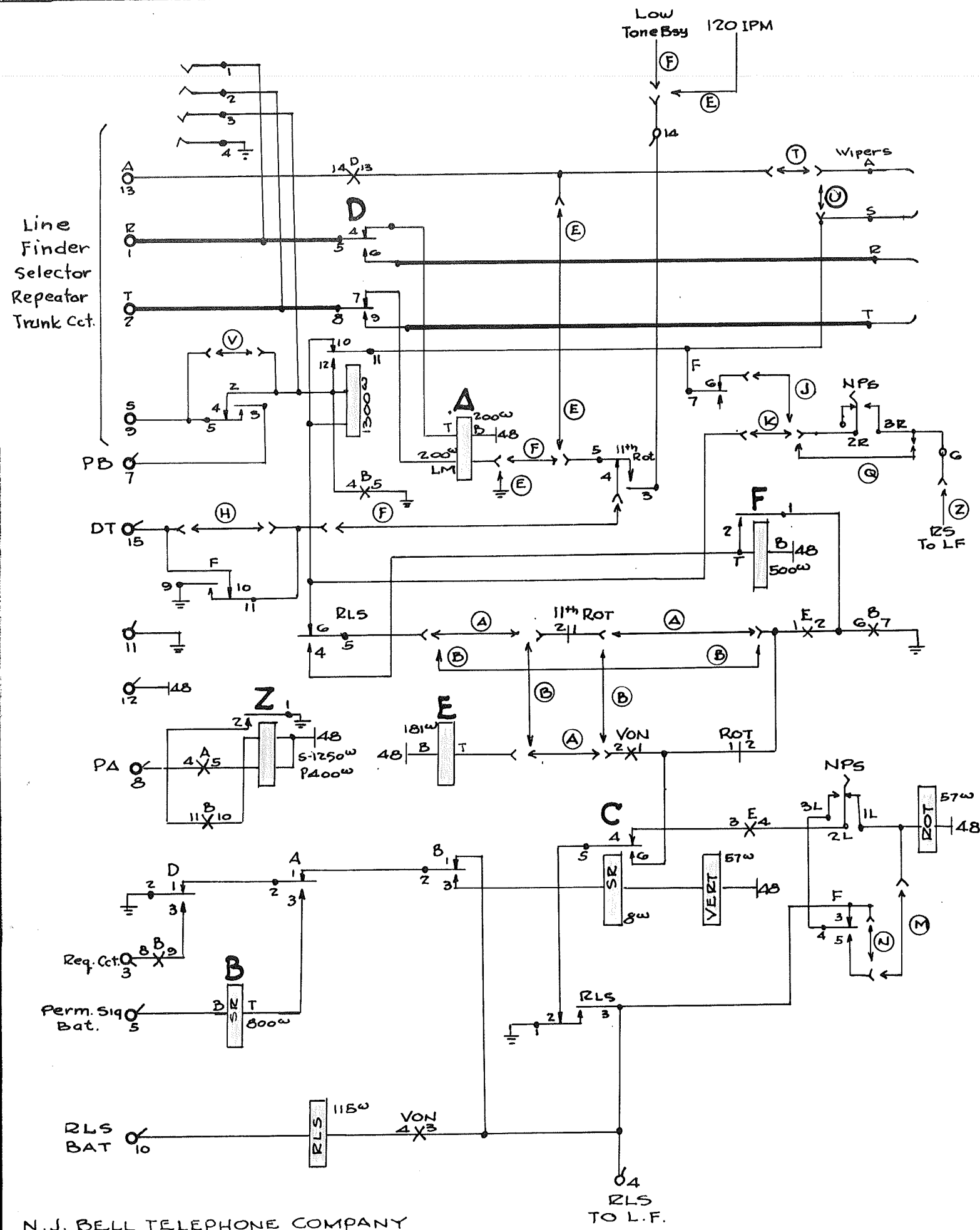
355 CDO
Line Finder Control Cct

SD-31022-011

Shropshire

U. J. BELL TELEPHONE CO.

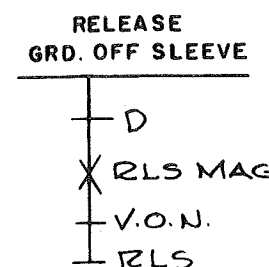
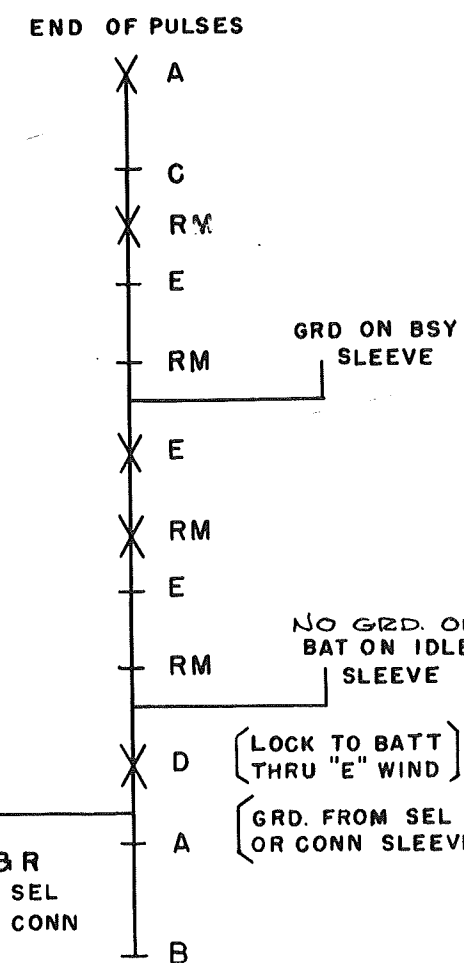
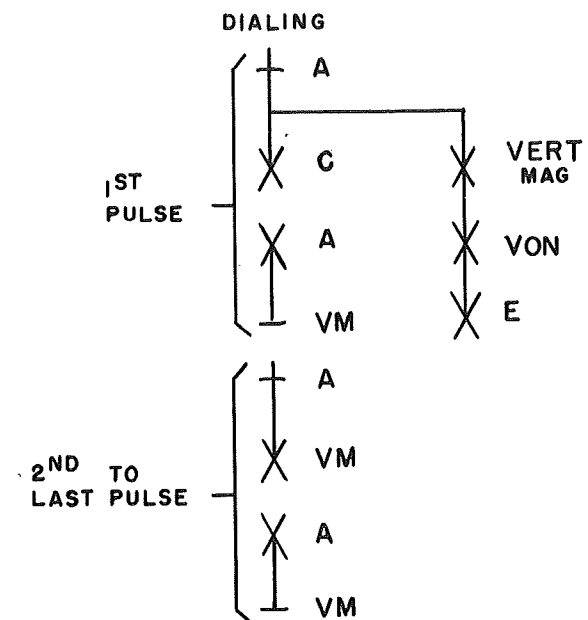
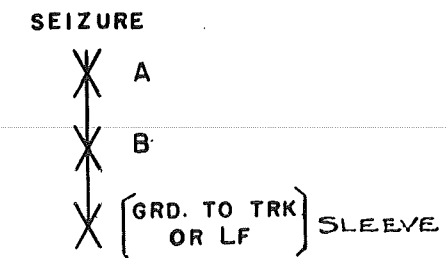
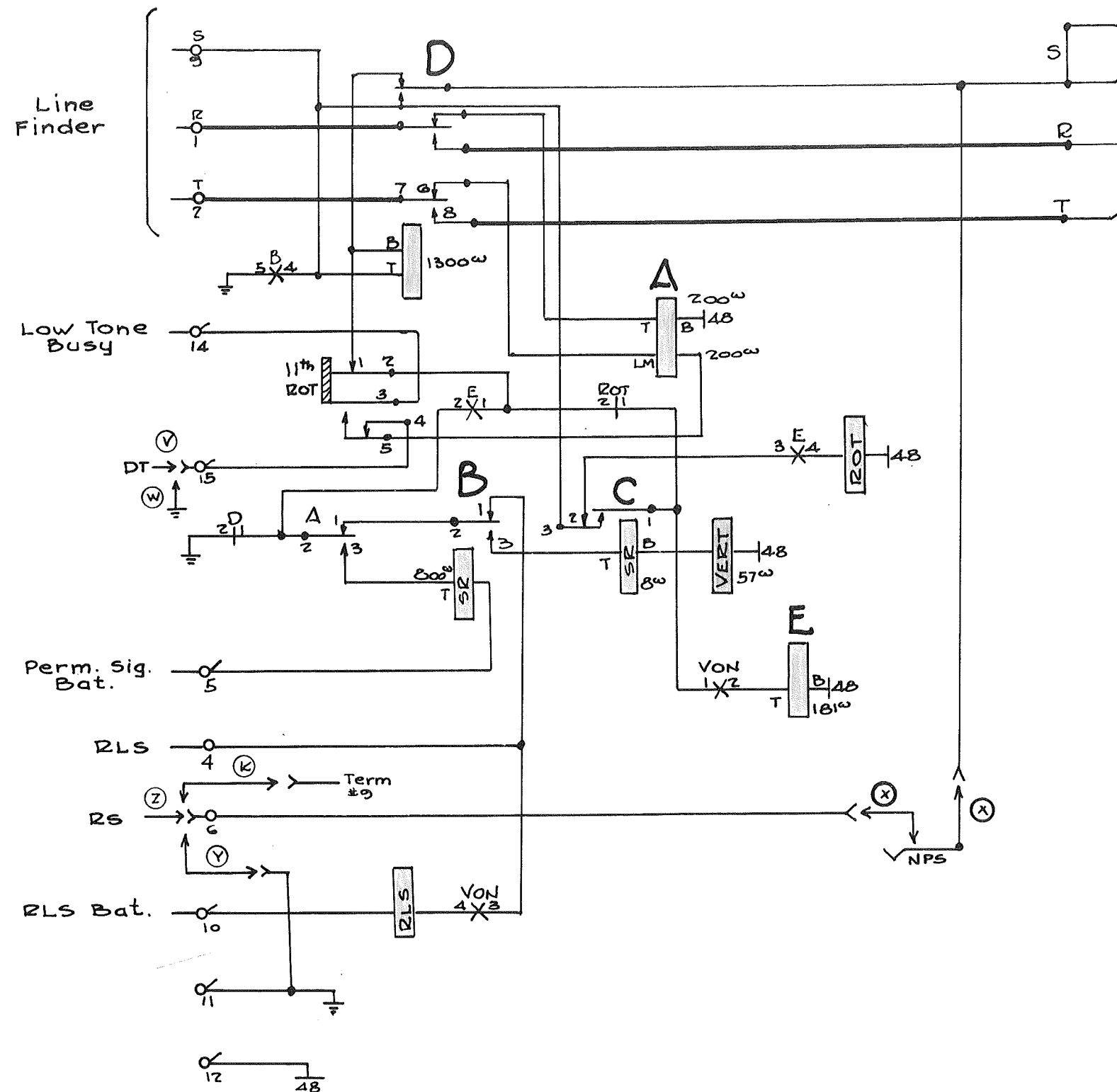




PLANT SCHOOL
Training Purposes Only

355 CDO
SELECTOR
SD 32077-011

C. Shropshire

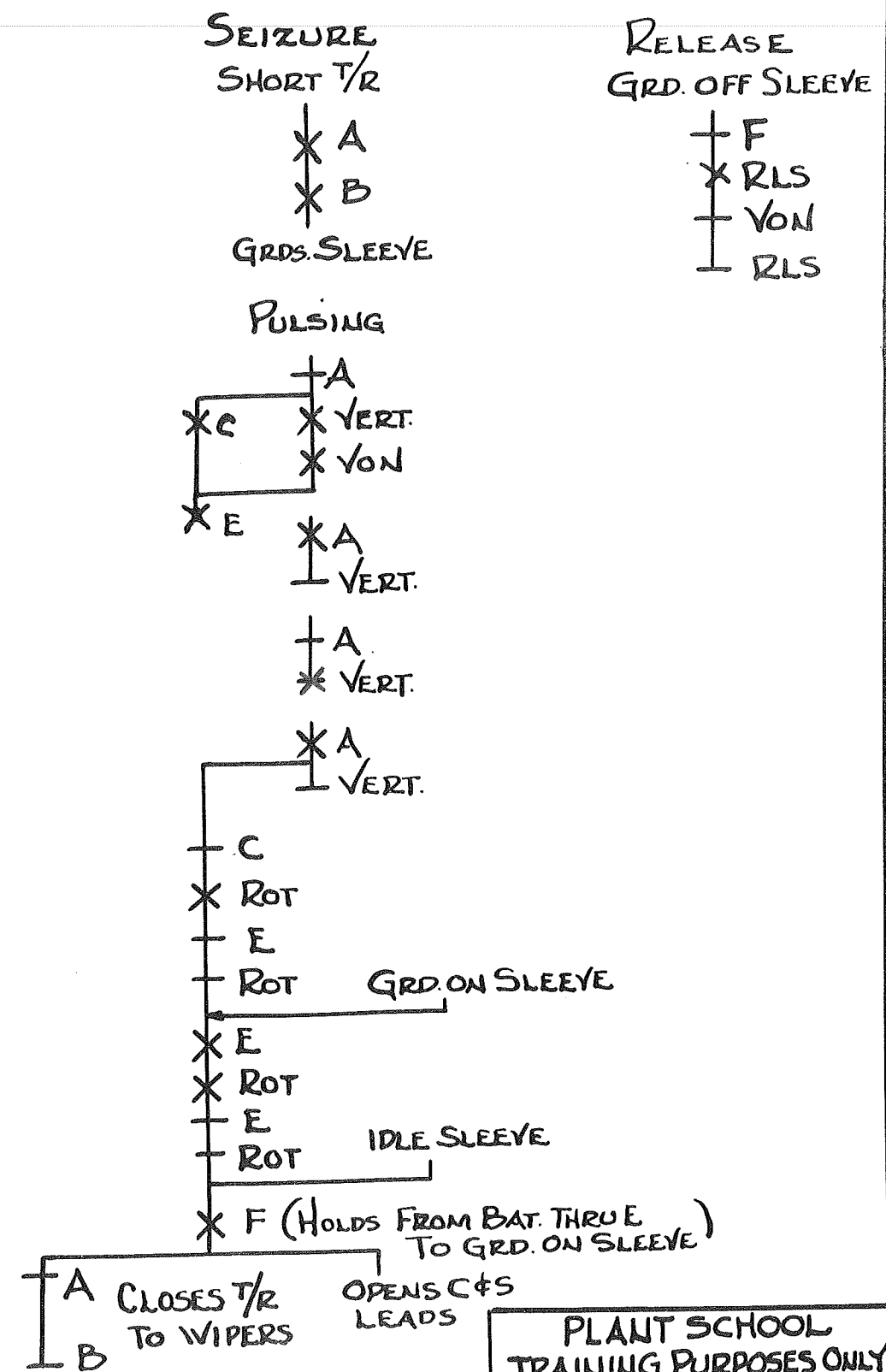
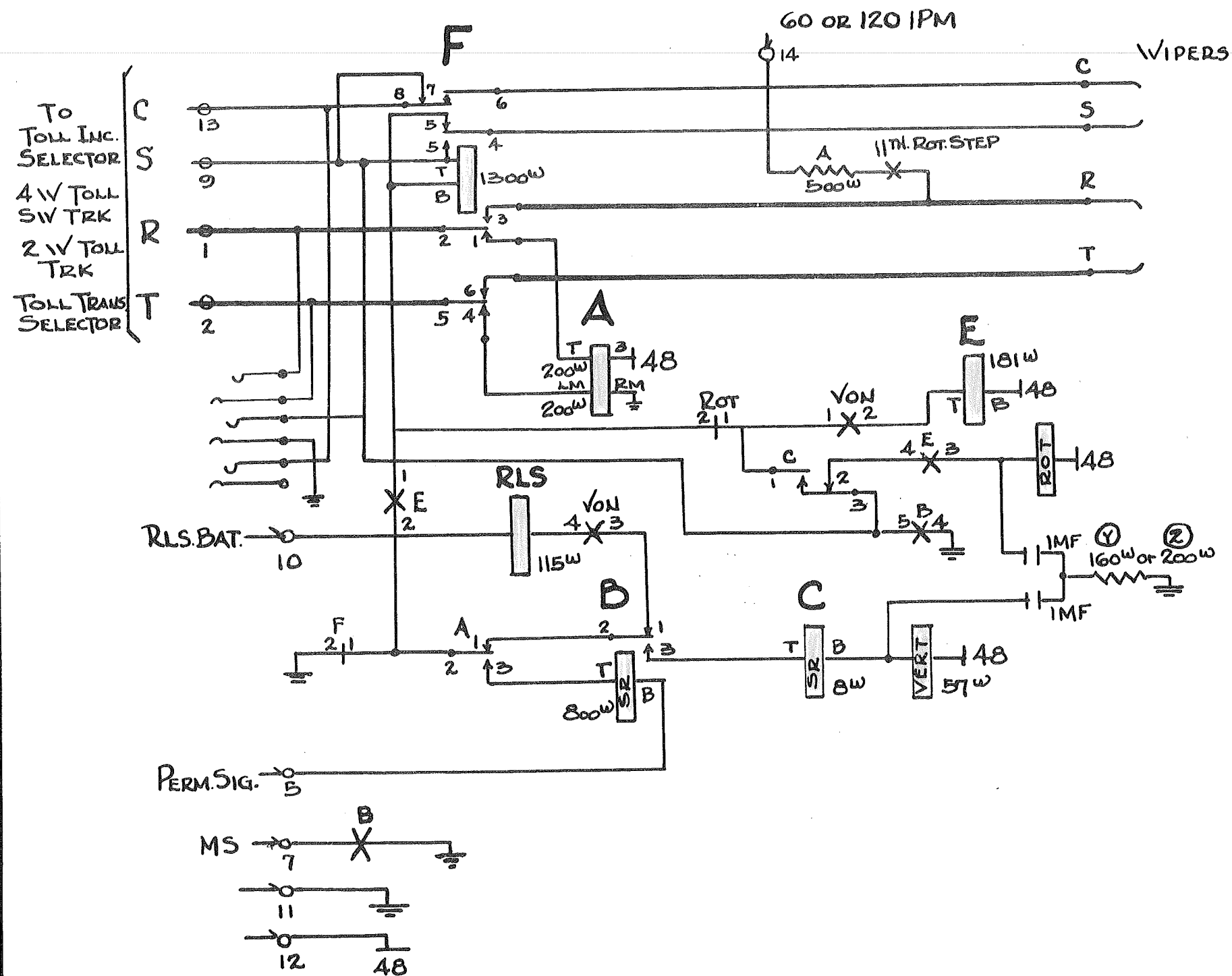


PLANT SCHOOL
For Training Purposes Only.

355A CDO
LOCAL OR INCOMING SELECTOR

SD31735-011

Shropshire

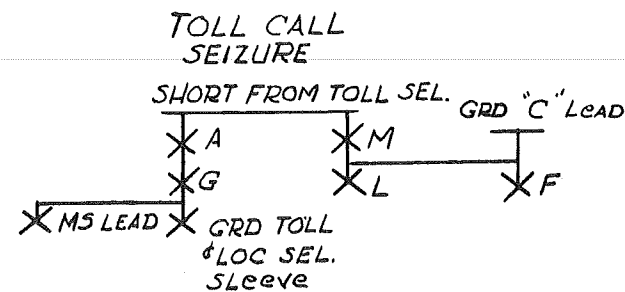
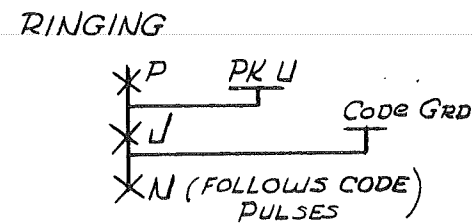
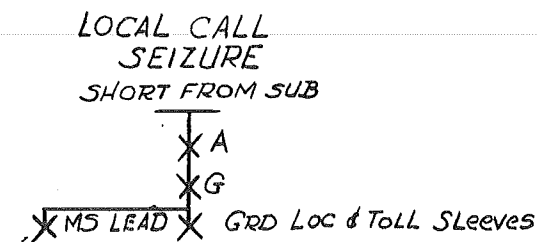


NEW JERSEY BELL TELEPHONE COMPANY

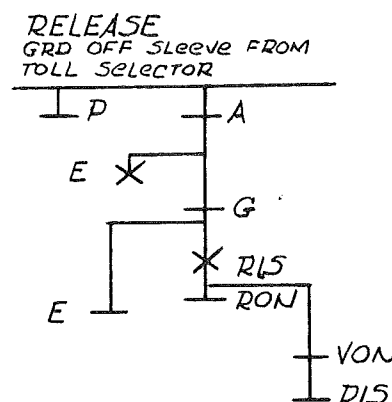
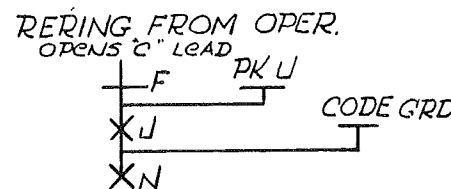
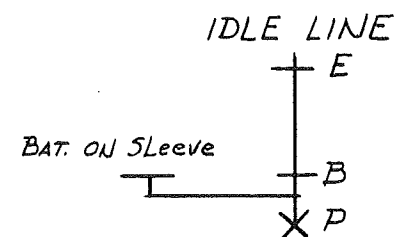
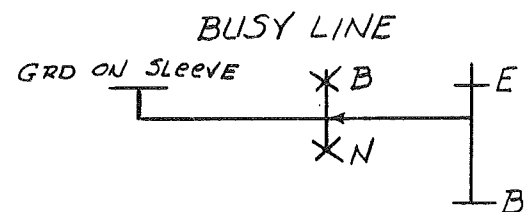
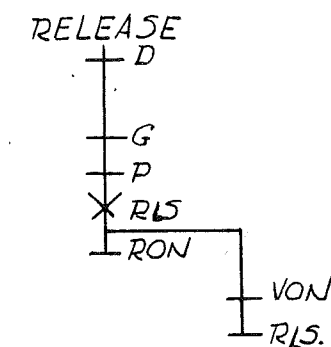
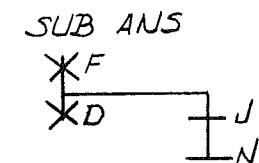
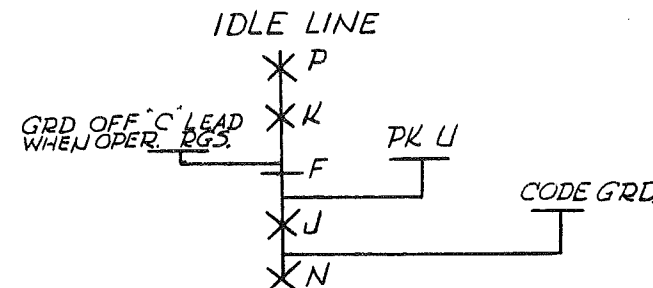
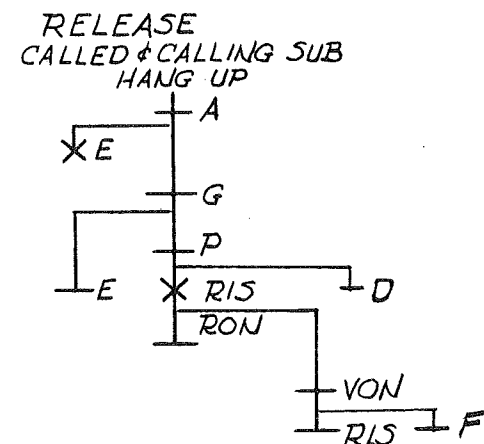
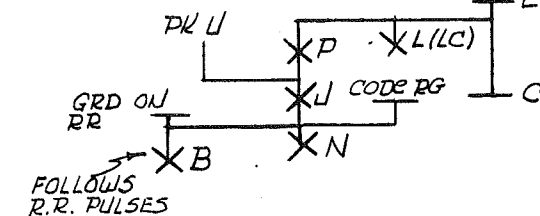
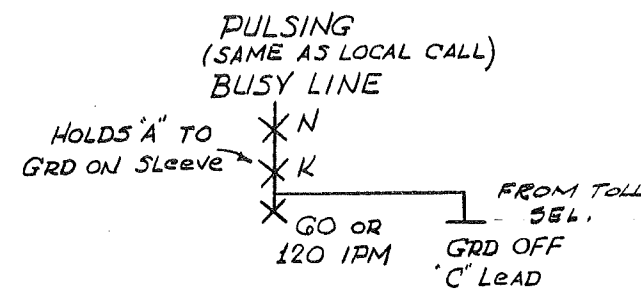
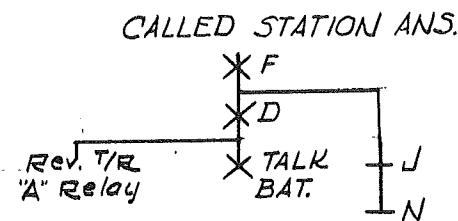
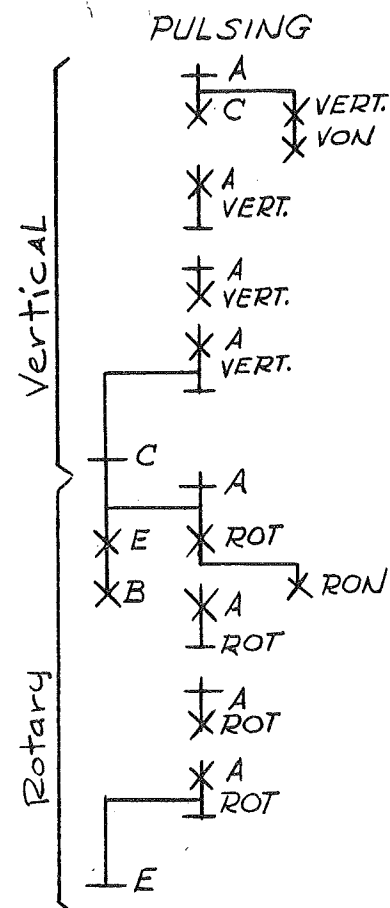
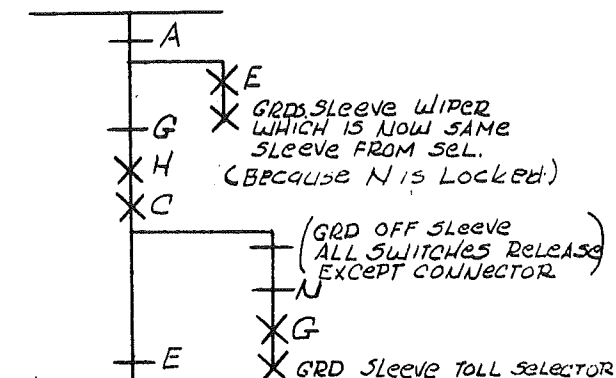
PLANT SCHOOL
TRAINING PURPOSES ONLY

355 C.D.O.
TOLL INTERMEDIATE
OR
TOLL INCOMING SELECTOR
SD-31744 011

SHROPSHIRE



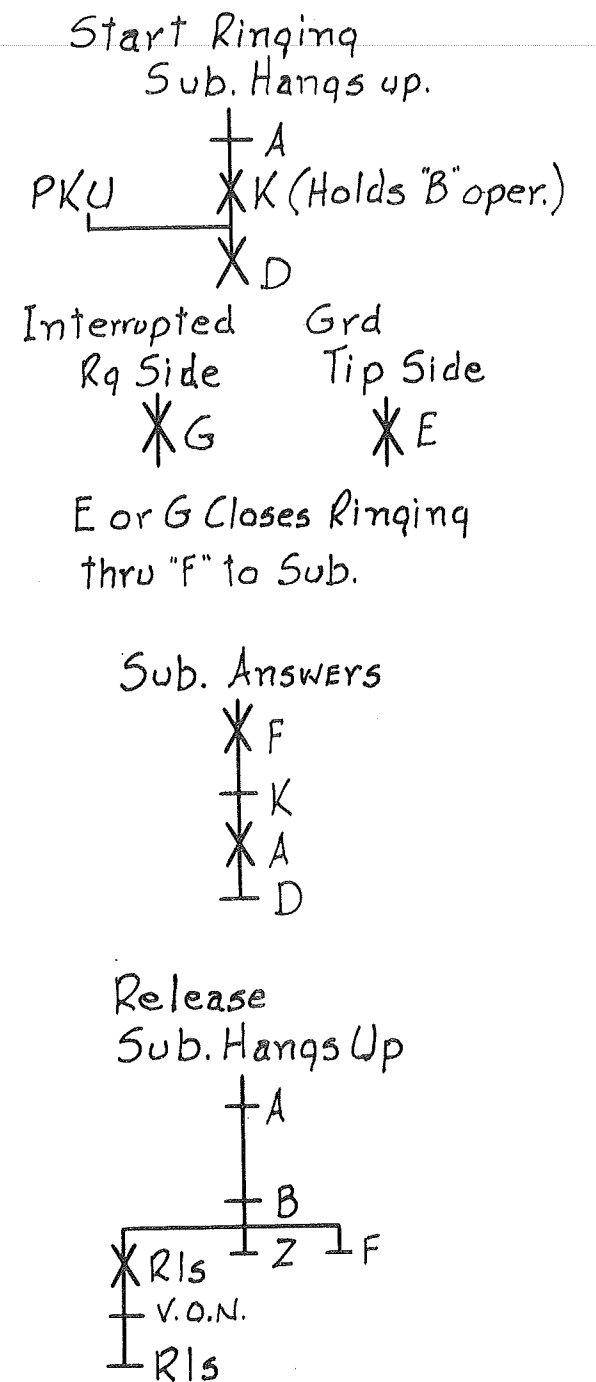
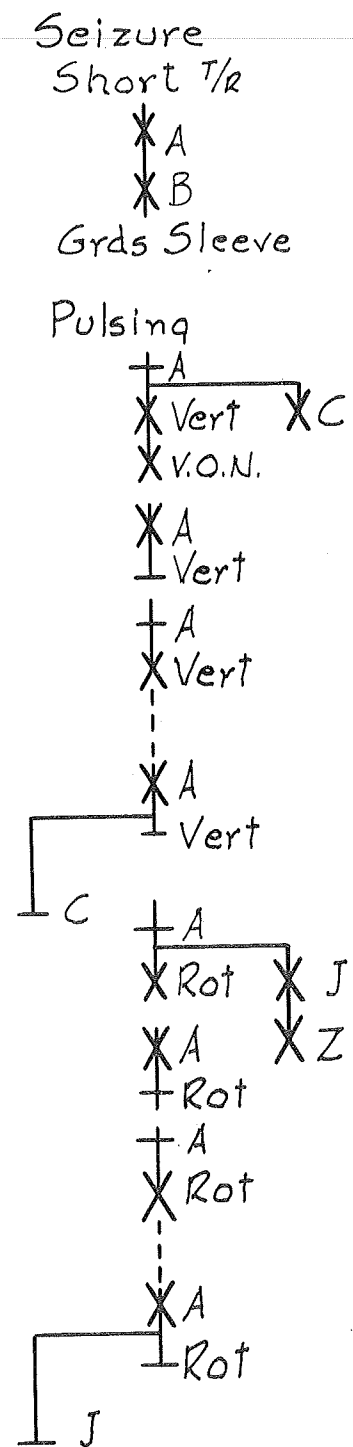
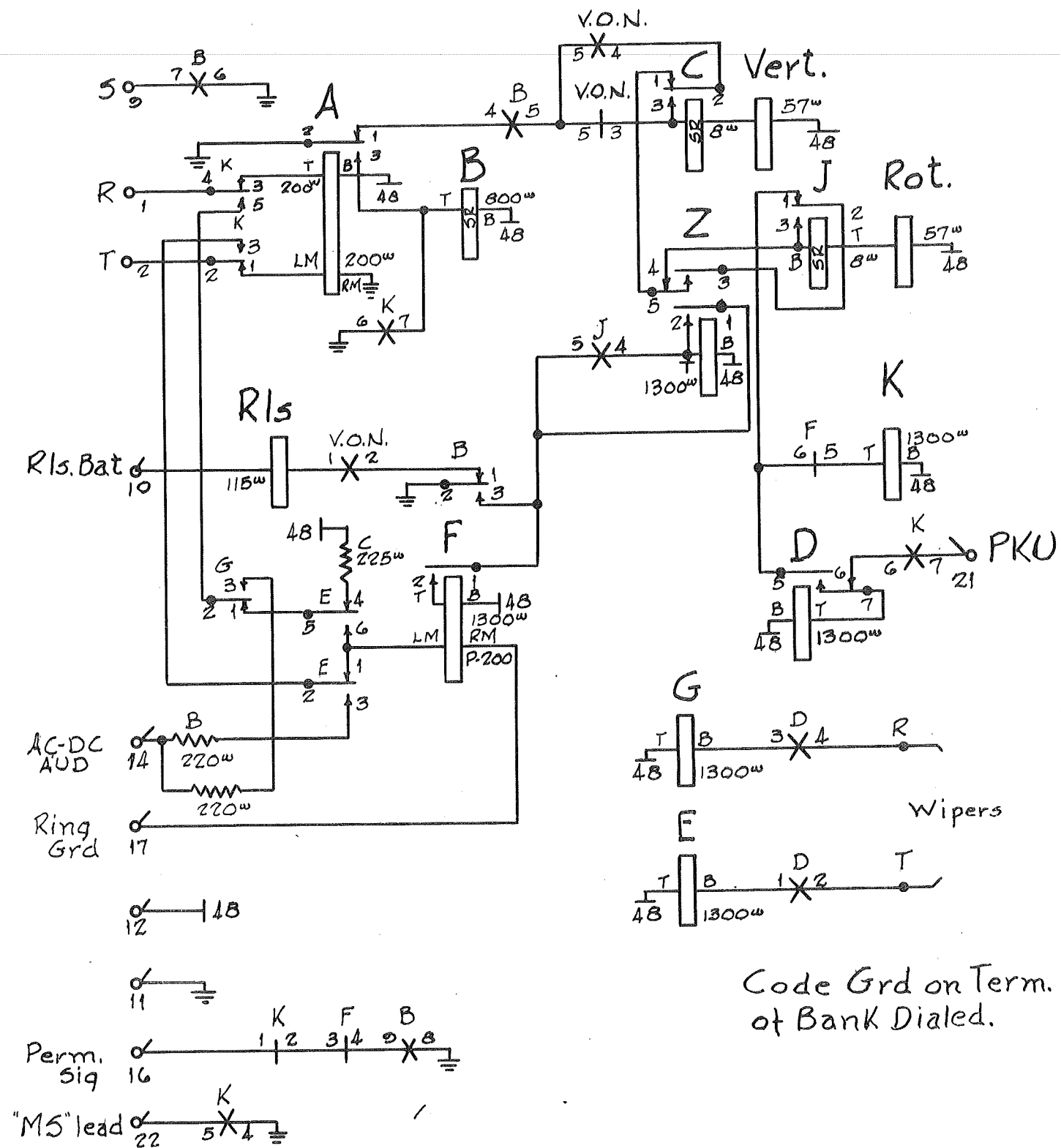
REVERTING RING
PULSING & LINE BUSY SAME AS LOCAL
CALLING SUB HANGS UP



PLANT SCHOOL
FOR TRAINING PURPOSES ONLY

COMBINATION CONNECTOR
SD 31811-011

C. SHROPSHIRE



10 Pth T.P.L.

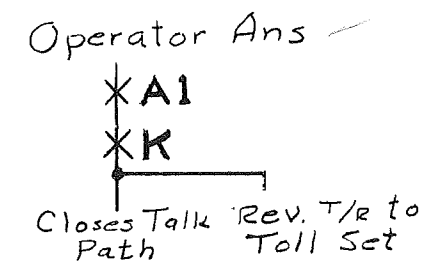
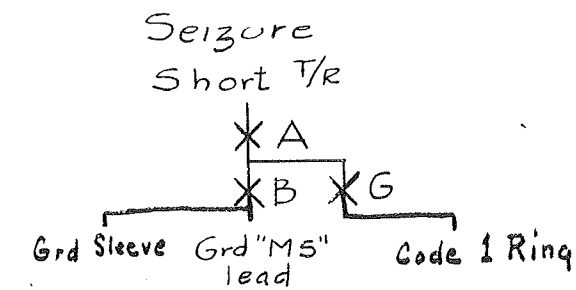
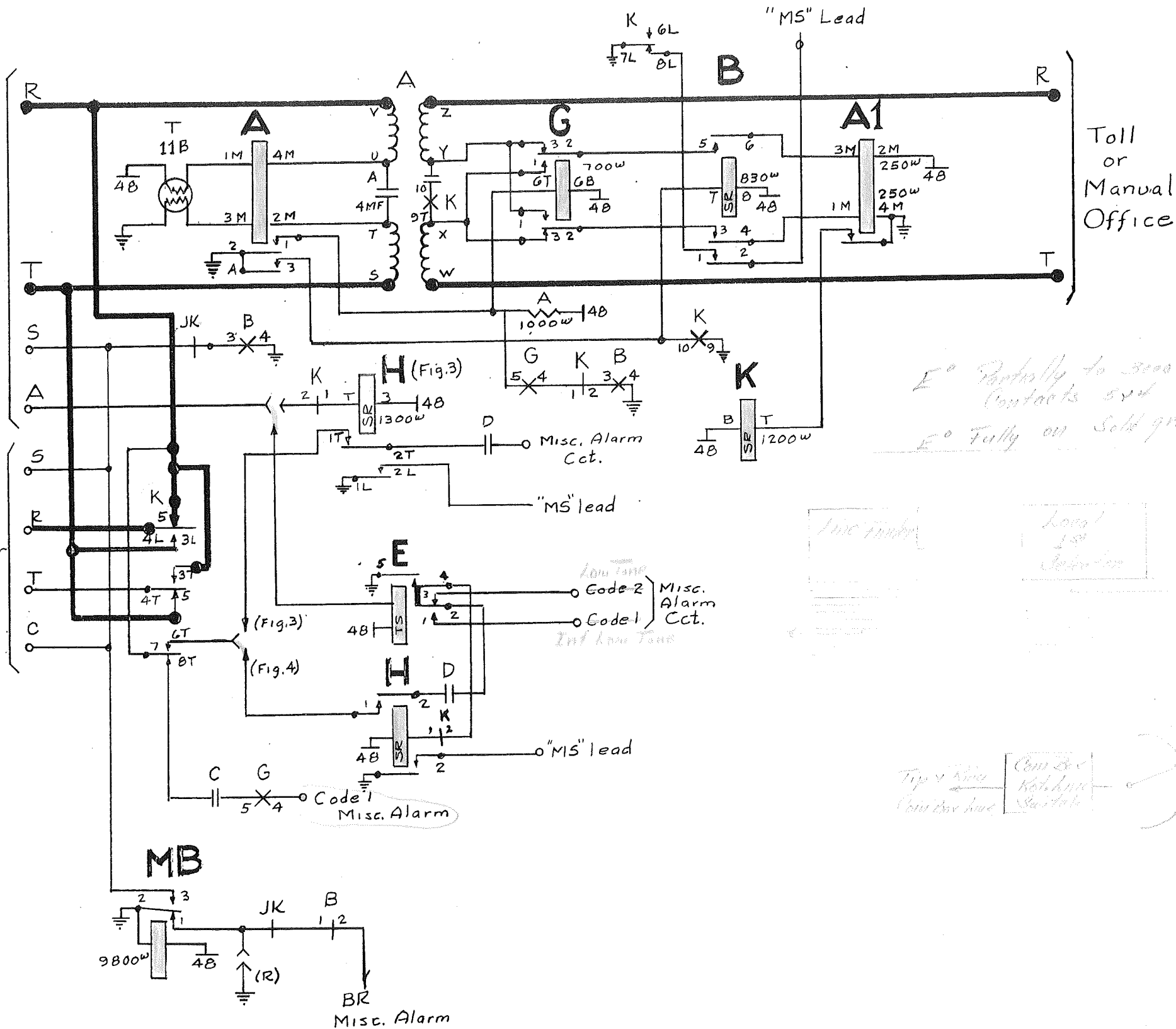
PLANT SCHOOL
Training Purposes Only

355 CDO
Reverting Call Selector
Fig 1.C. Y Wiring
SD 31762-011

C.E. Shropshire

Rotary
Line
Switch
Bank's
Local
Selector
Mult.
Bank's

Toll
Selector
Rotary
Out. Trk



E° Partially to 3000W grd.
Contacts 5 & 4
E° Fully on Solid grd.

Line Finder

Local
1st
Selector

2015 Trk
Cot. 31925

Tip & Ring
Cot. 31925

MR line - 1" solid grd.
Inter Low Tone

Conn Box - 1" 3000W grd.
Low Tone

Thot Gate - 1" Open

Tip & Ring
Conn Box line

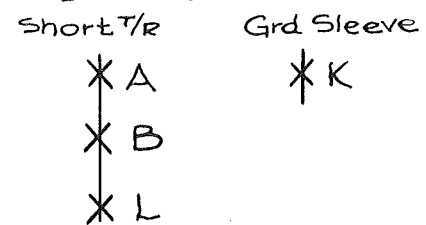
Conn Box
Rel. line
Switch

Thot Gate
Trip to

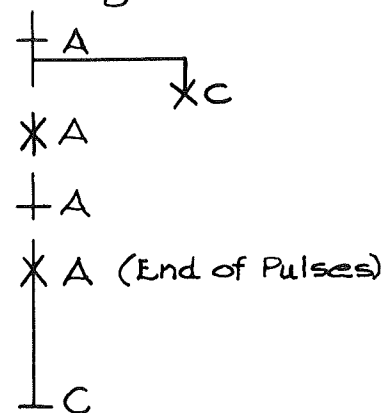
Plant School
Training Purposes Only

355 C.D.O.
Outgoing Trunk to
Manual, Toll
SD 31925-011

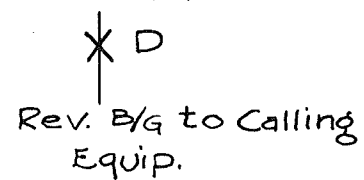
Outgoing Call Seizure



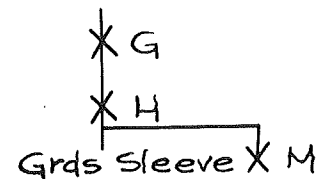
Pulsing



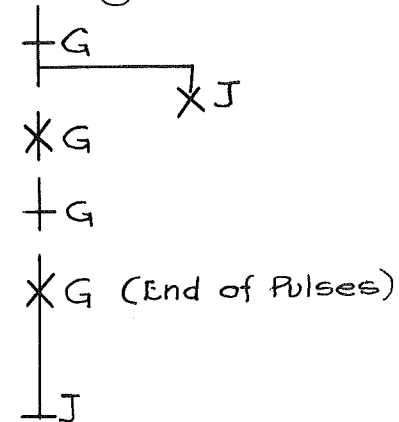
Called Party Ans. Rev. B/G



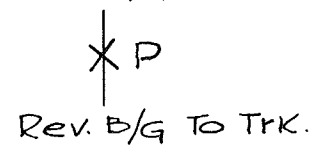
Incoming Call Short from Trk.



Pulsing



Called Party Answ. Rev. B/G from Conn.

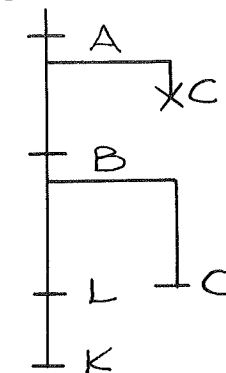


Disconnect Outgoing Call

Called sub. Hangs Up.



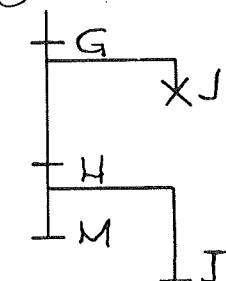
Calling SUB. Hangs Up.



Incoming Call Called sub. Hangs Up



Calling Sub. Hangs Up.



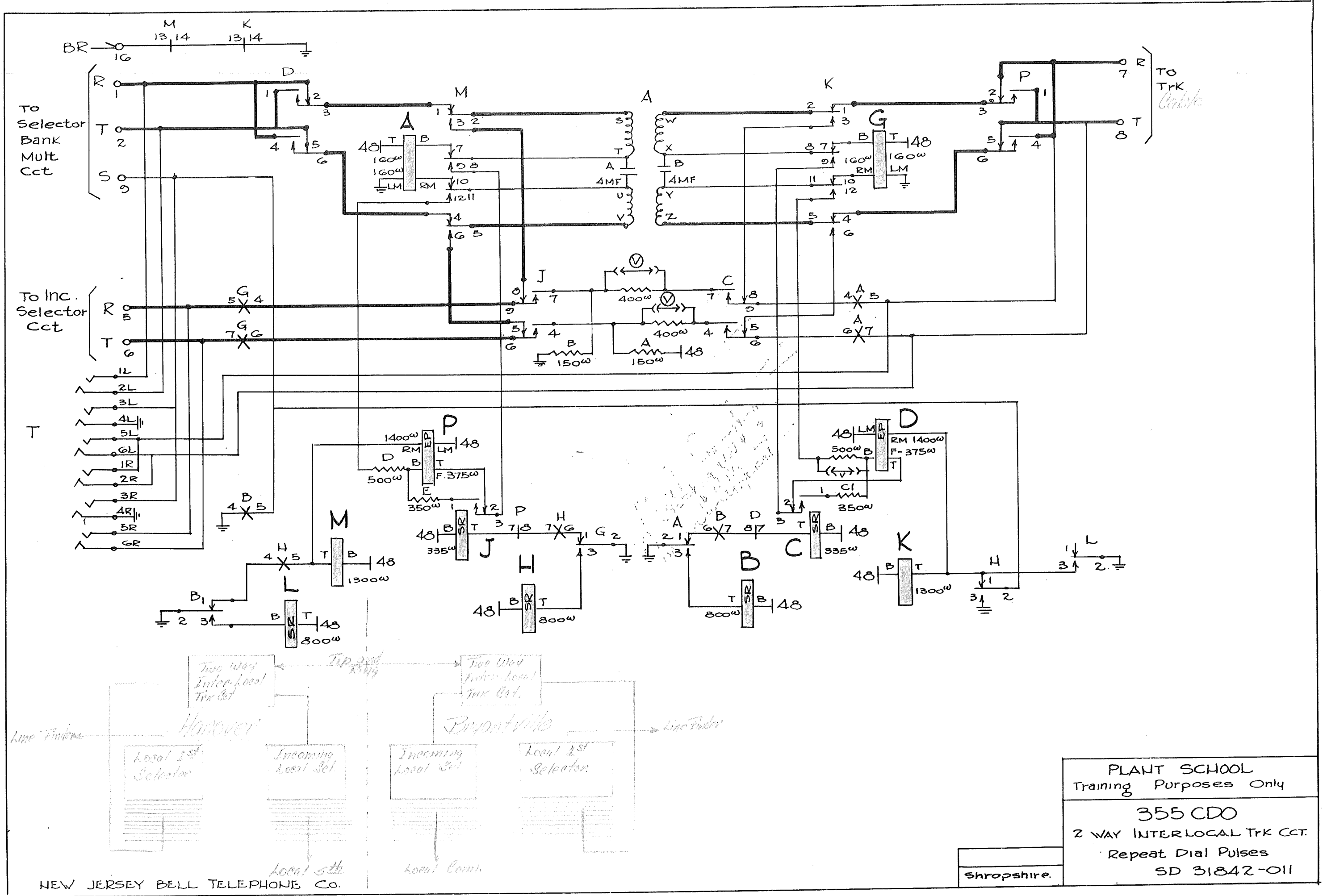
PLANT SCHOOL
Training Purposes Only

355 CDO
2 way Interlocal Trunk

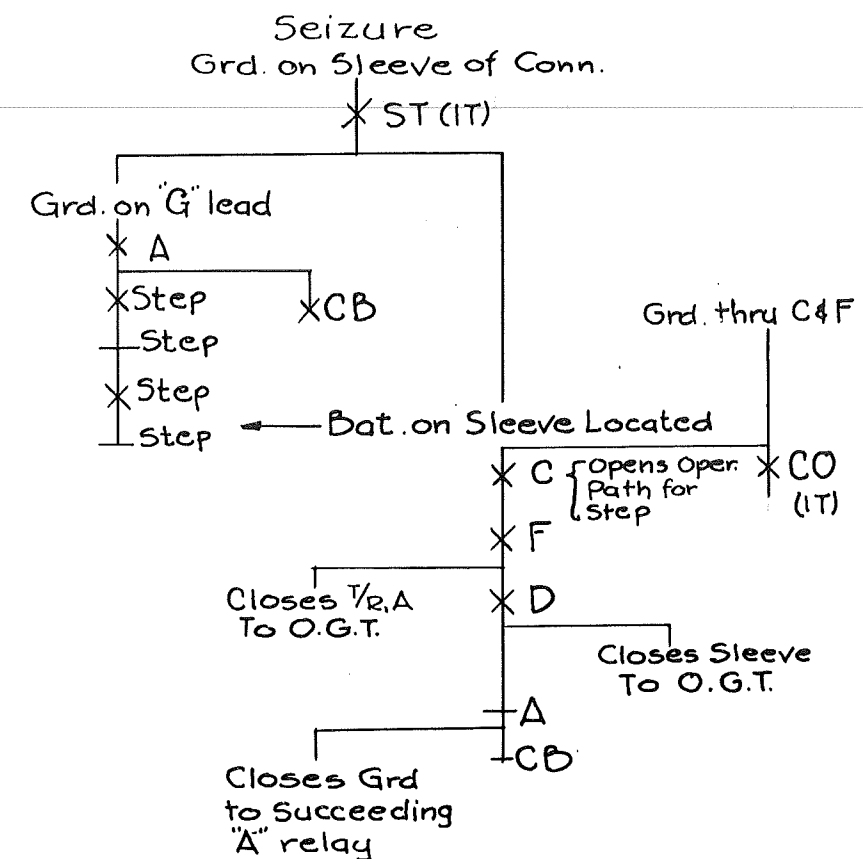
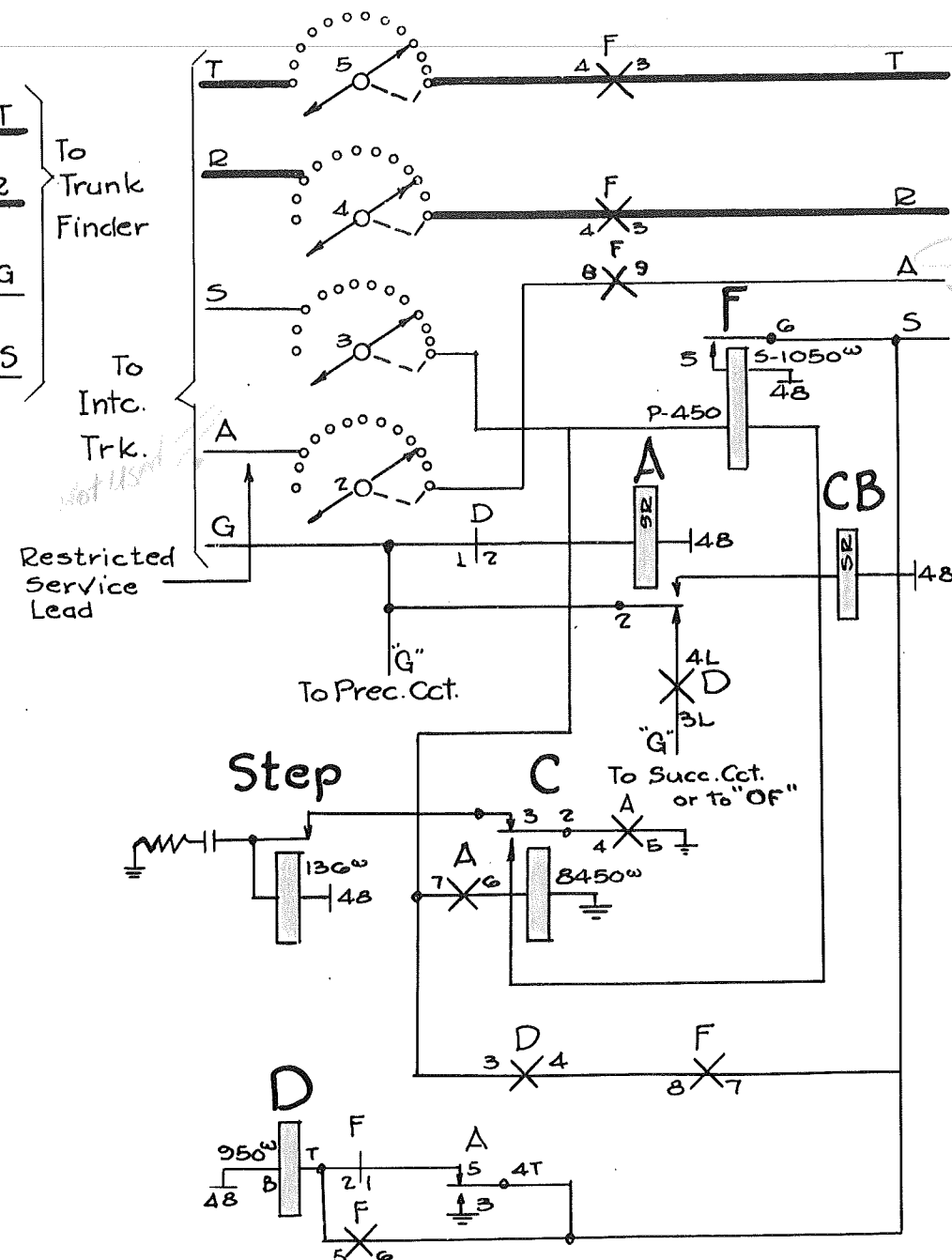
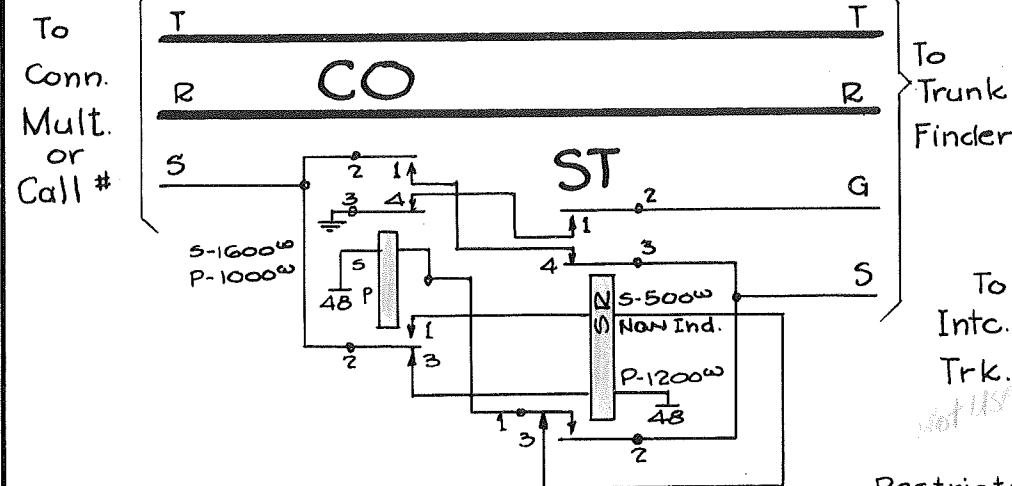
SD 31842-011

shropshire

NEW JERSEY BELL TELEPHONE CO.

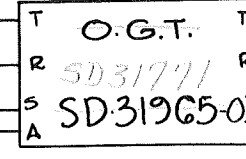
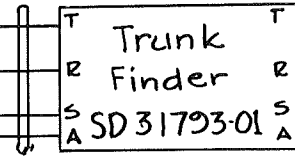
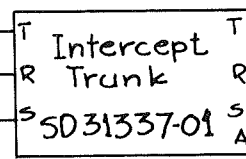
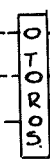
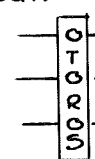


Intercepting Trunk Cct. SD 31337-011

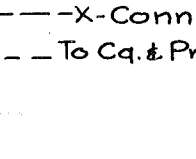
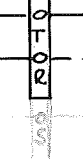


CDF
Call #

CDF
Incpt. Trk.



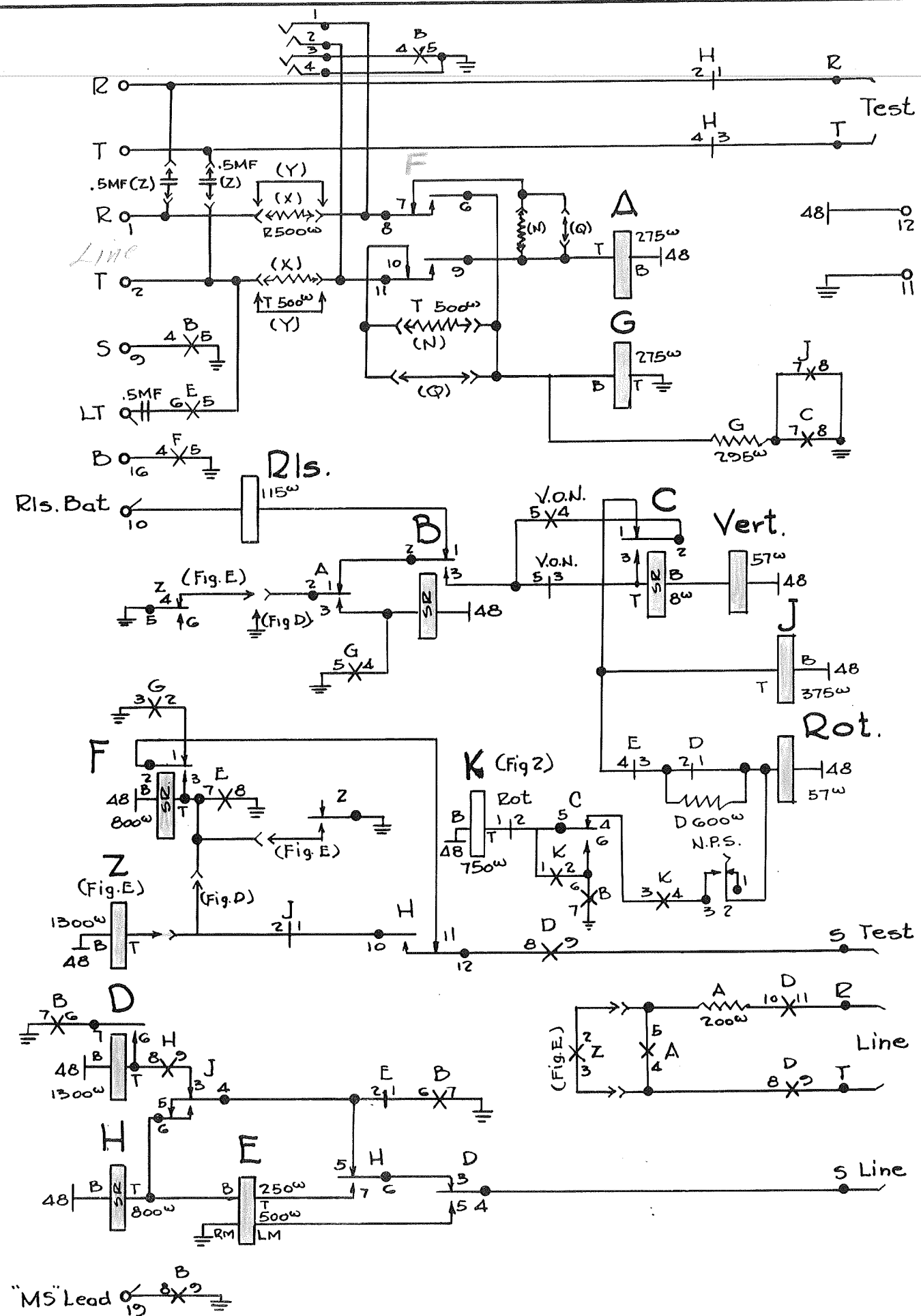
C.D.F.
O.G.T.



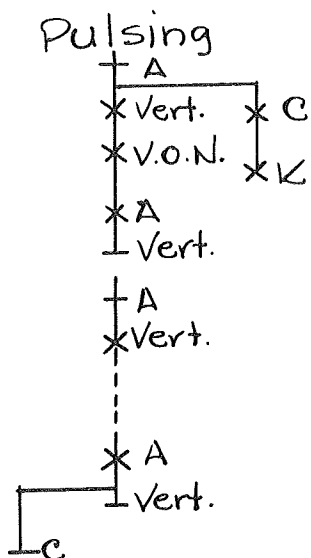
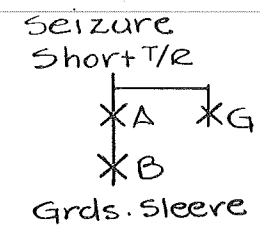
Assoc. Cct. SD 31965-01

PLANT SCHOOL
Training Purposes Only

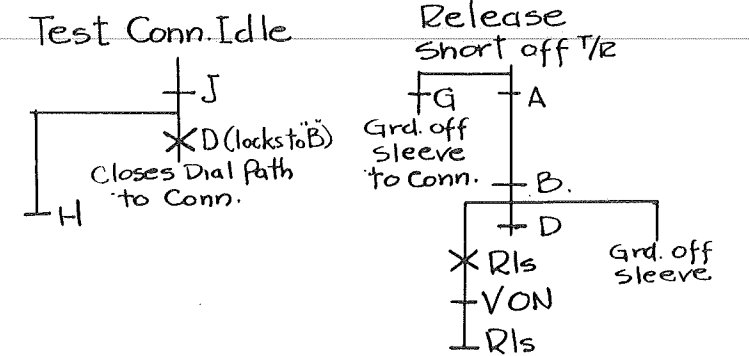
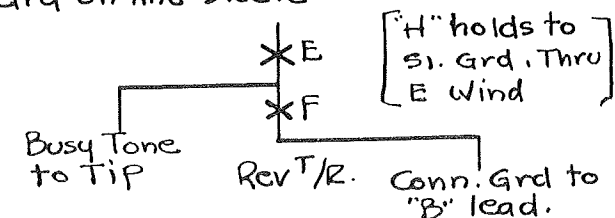
355-CDO
Intercept Trunk • SD 31337-01
Trunk Finder • SD 31793-01



New Jersey Bell Telephone Co.

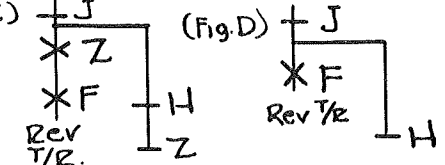


Test Conn. Busy
Grd on line sleeve



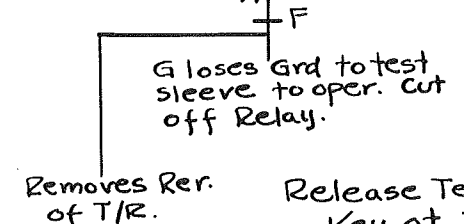
"A" Repeats Pulses to Test Conn.
H & J oper. on All Pulses.

Called Line Busy
Grd on Test Sleeve
(Fig. E)



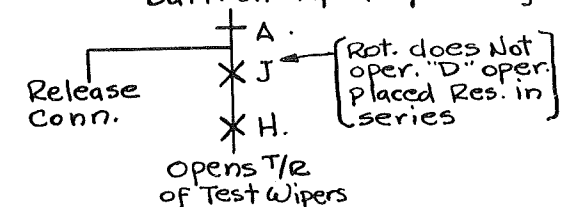
Connection May be held
Until Line becomes Idle

Rec. on hook
Grd. off Test Sleeve.



Removes Rev. of T/R.

Release Test Conn. Only
Key at Test Pbs.
Batt. on Tip. & opens Rig.



opens T/R of Test Wipers
Redial Last 2 Digits for New Called #!

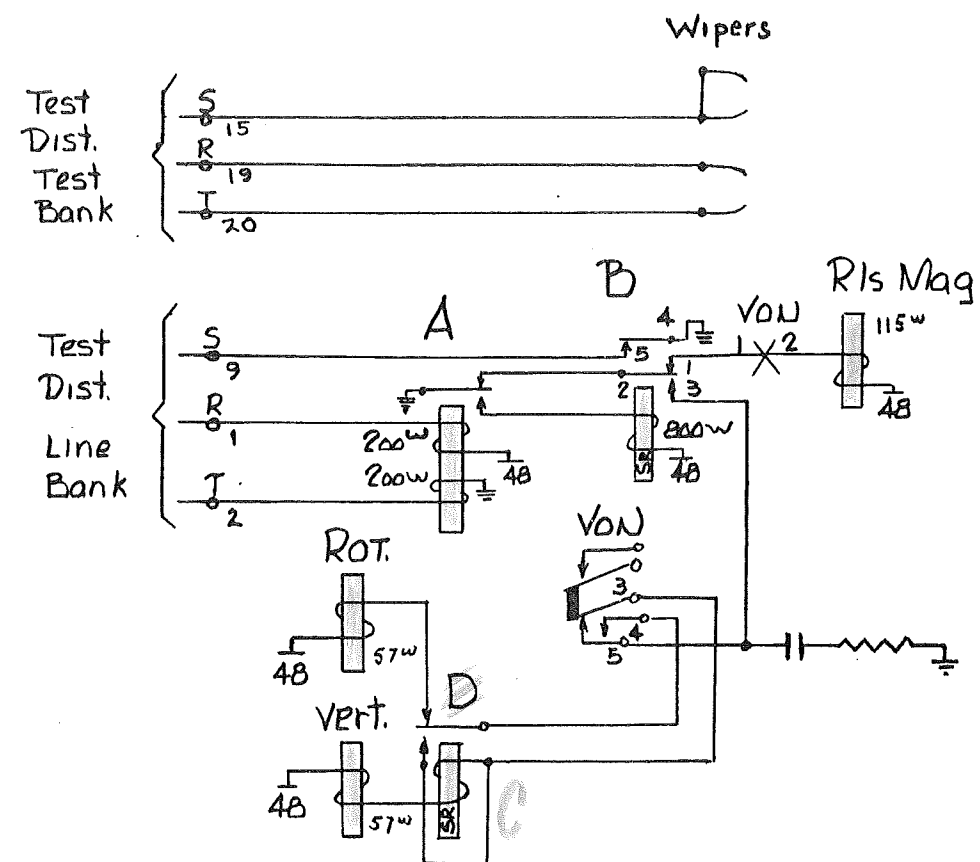
PLANT SCHOOL

355 CDO

Test Distributor Circuit

SD 32007-011

C.E. Shropshire



Seizure
 X A
 X B
 X Grds. Sleere

Pulsing
 + A
 X Vert X C
 X VON
 X A
 + Vert.
 + A
 X Vert.
 X A
 + Vert.
 + A
 X Rot. C
 X A
 + Rot

Release
 + A
 + B
 X Ris
 + VON
 + Ris

Local Call
Seizure
Short T/R

X A
X B
Grd. Sleeves

Pulsing

X C X A
X V.O.N.
X Vert.
X A
X Vert.

X A

X C

X A X Rot X E
X A X H
X Rot "MS" Lead

X A

X Rot

X A

X Rot

X A

X C X Rot C.S.

X A X O.N.C. Sel.

X Rot C.S.

X A

X Rot C.S.

X A

X Rot C.S. Calling Sub

X C

Line Test Busy
Start of Rotary Code
Selector Pulses

X C X Rot. C. Sel. Grd. on
X O.N. C. Sel. Sleeve

X L
X J Rot. C. Set
C Closes Busy
Tone to Sub.

Rotary Hunting
Grd on Sleeve

Shorts
"J" Relay

X L Grd. on "H" lead

X G

X Rot

X G

"H" Lead Tested
for Grd.

No Grd "H"

X J Grd. on Sleeve

Busy Tone

Idle Line

Pick Up X C X S Batt. on
Sleeve

X K

Starts Ring

Sub. Answers

Rev. T/R to
Calling Sub

X F
X D X K
X Rls. Code Sel.
X O.N. Code Sel.

Toll Call
Seizure
Short T/R

X A X M
X B X F (locks to "C" lead)
Grd's Loc. Sl.

Pulsing
(Same as local)

Line Tests Busy
Grd. on Sleeve

X L
X Rot. C. S. X J
X R
60 or
120 I.P.M.

Line Idle

X C

X S

X R

Hold "A" by
Grd on Toll
Sleeve

Operator Rings
Grd. off "C" Lead

Pick Up X F
X K
Starts Rg.

Sub Answers

X F
X K
Closes T/R to
Trans. Sel.

Release Local Call
Calling Sub. Hangs Up
Called sub hangs up

+ D

X B
X H X F X S
X Rls
X V.O.N.
X Rls

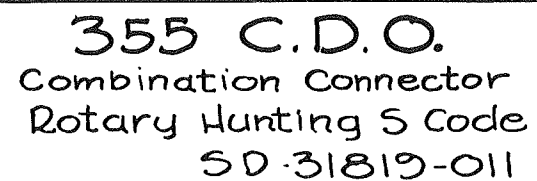
Release Toll Call
Operator Removes Cd.
Grd. Off Sleeve

Grd. off "C" lead
+ F X M X A X R X S
X B X H X Rls
X V.O.N.
X Rls

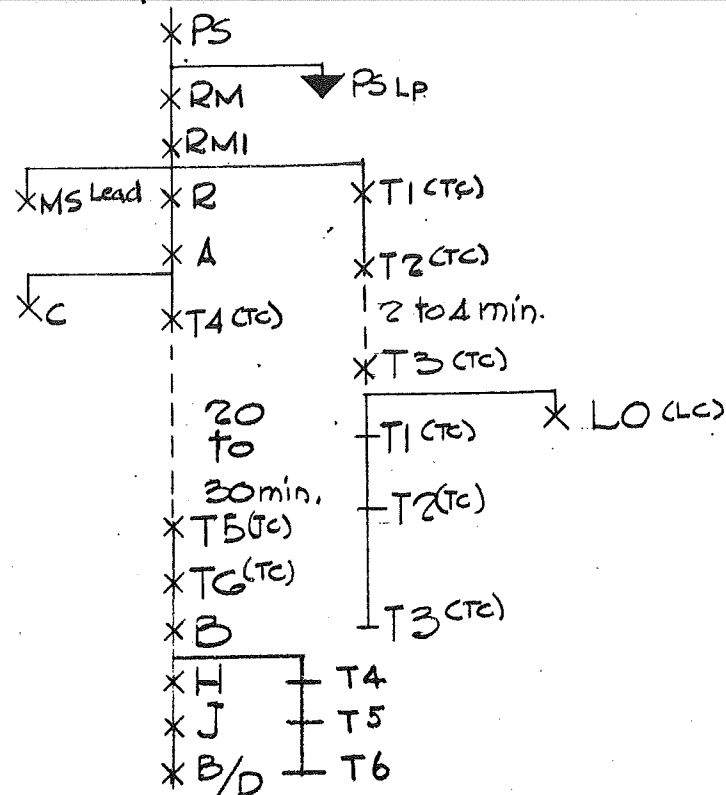
PLANT SCHOOL
TRAINING PURPOSES ONLY

355 C.D.O.
Combination Connector
Rotary Hunting 5 Code
SD-31819-011

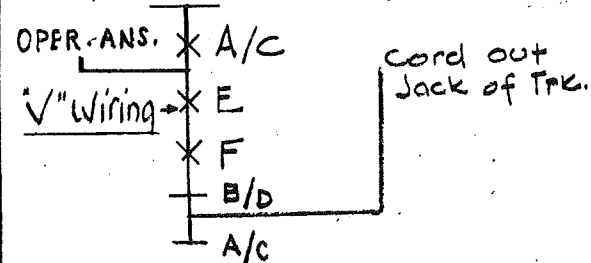
C.E. Shropshire



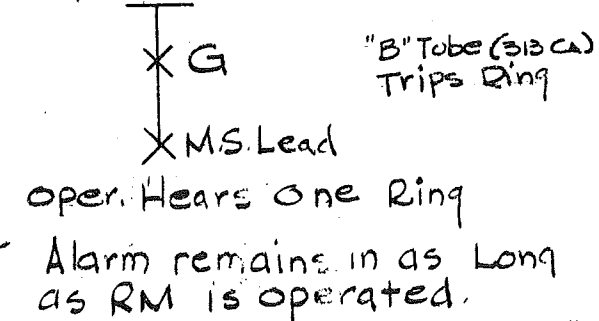
Perm. Sig. Alarm Grd. from "A" relay thru winding of Selector



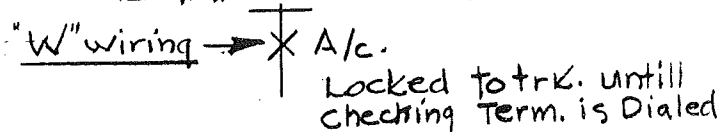
Oper. Ans. & Hears Nothing
Grd. on sleeve of Trk.



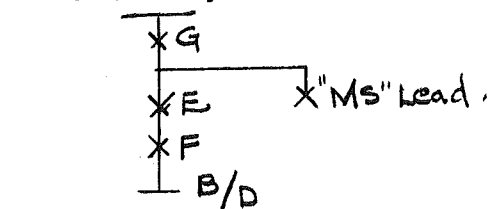
Oper. Dials Test #
Grd. on Sleeve.



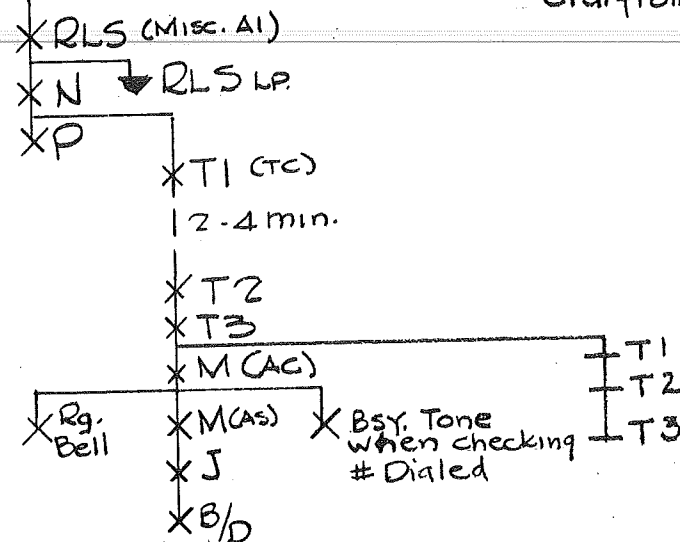
Oper. Ans. & Hears Nothing
Grd. on sleeve of Trunk.



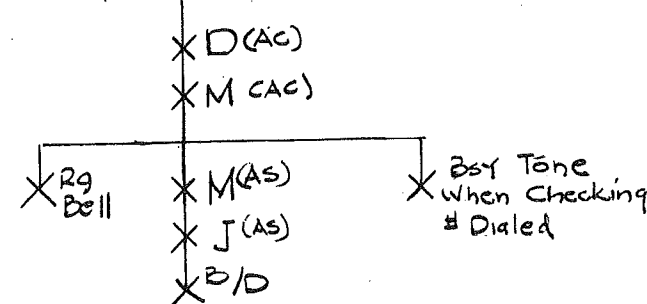
Oper. Dials Test #
Grd. on sleeve.



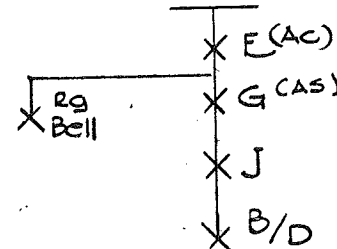
Release Alarm Grd. through RLS Mag.



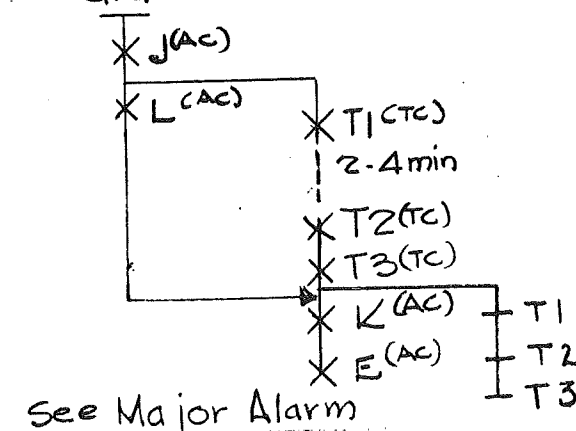
Minor Alarm Batt. from Blown fuse.



Major Alarm Grd.

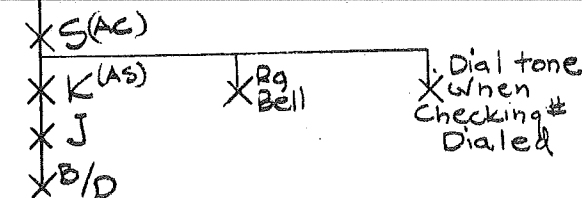


Call Block Grd.



See Major Alarm

Cable Ins. or Mult. Perm. Sig. Alarm. Grd. from ca. Ins. Cut.

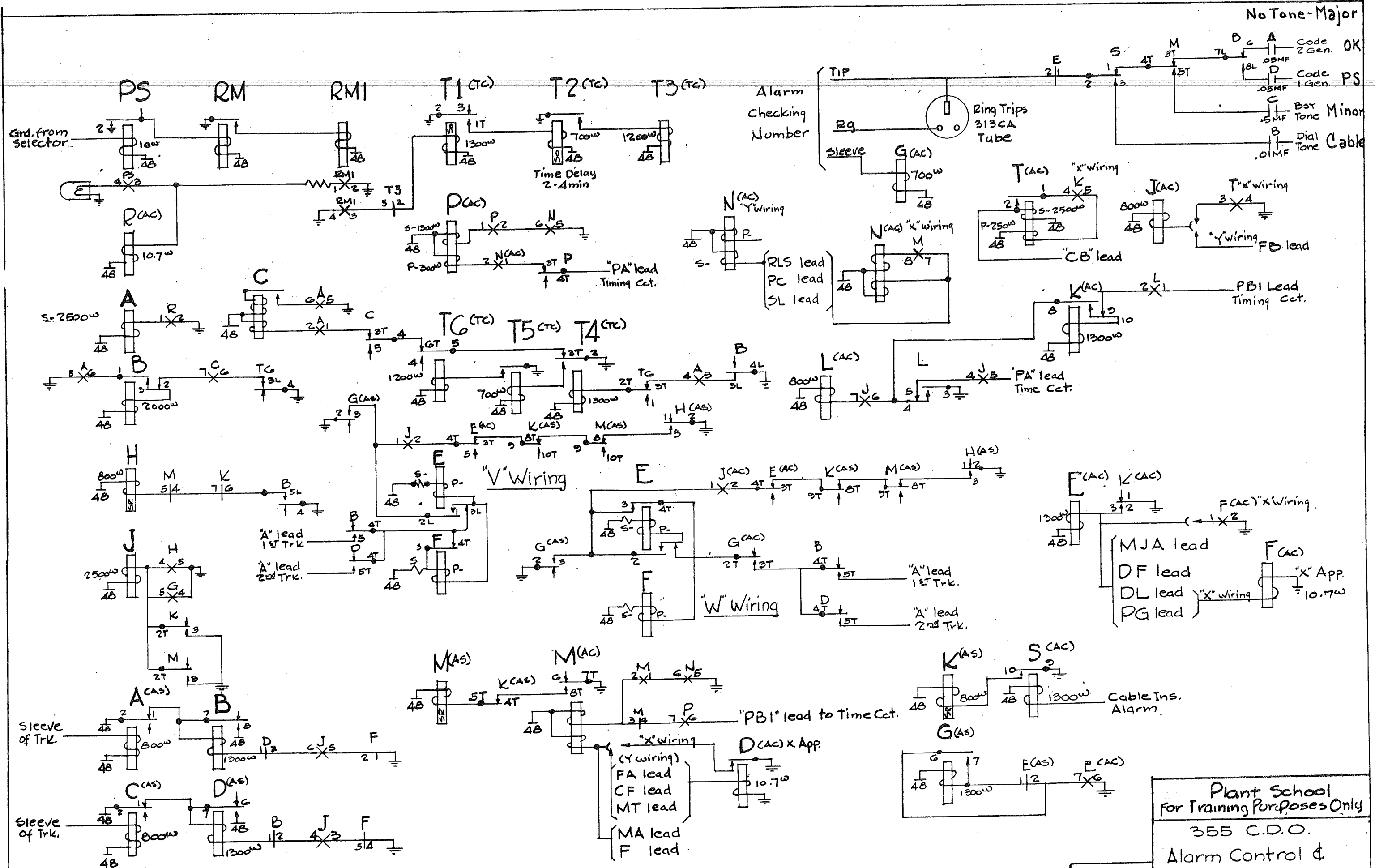


Plant School
For Training Purposes Only
Assoc. Drwg.

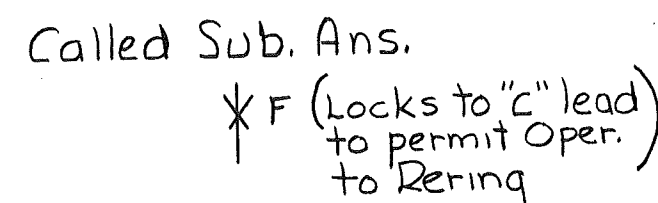
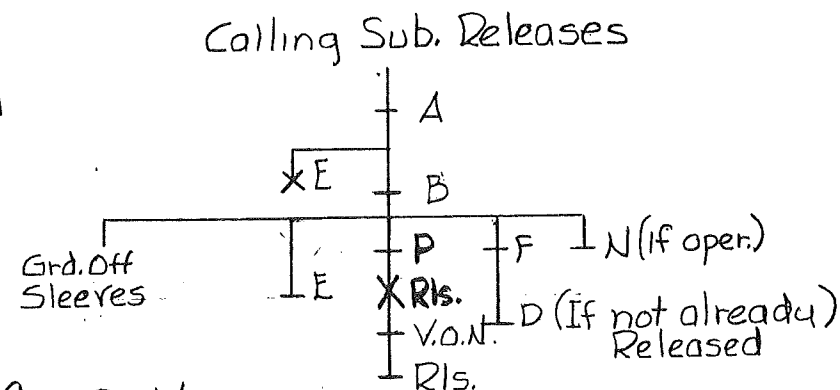
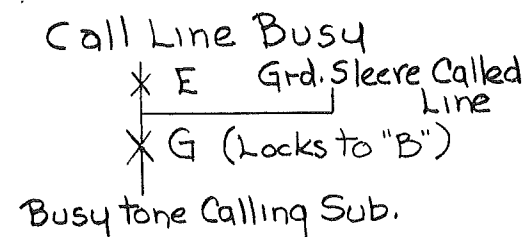
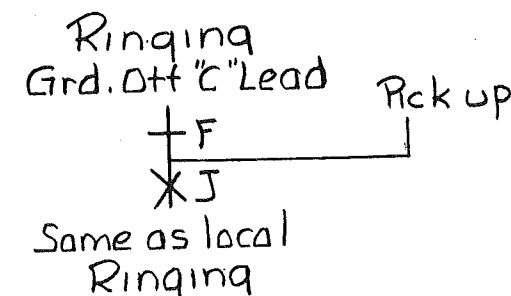
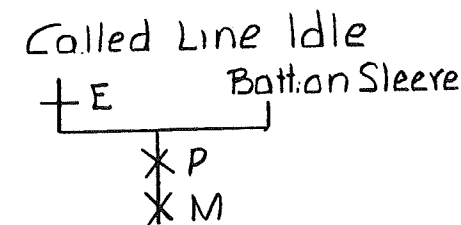
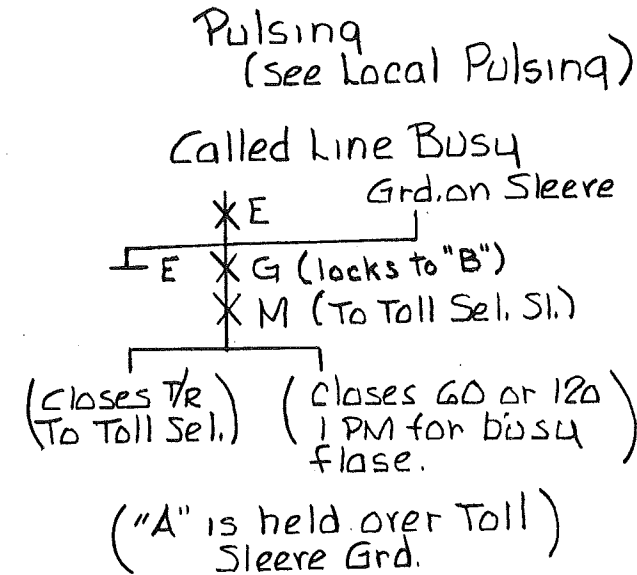
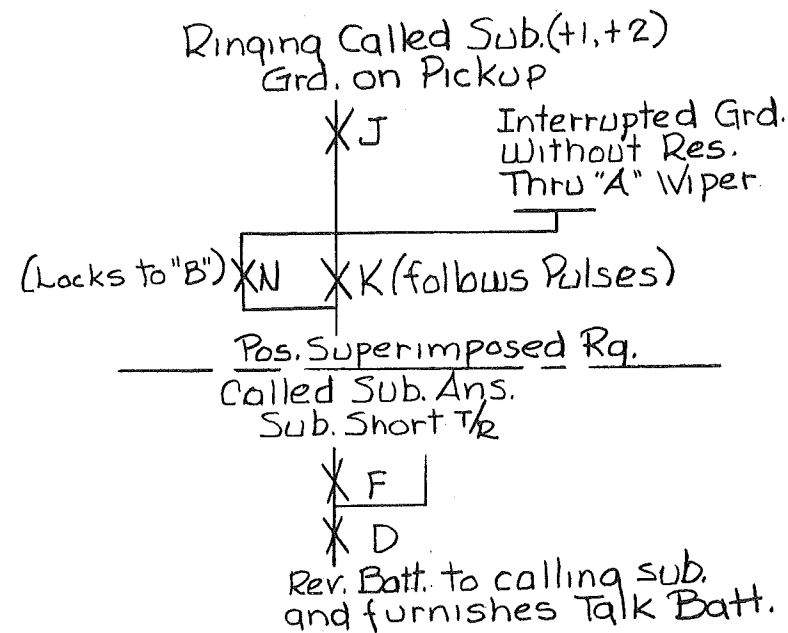
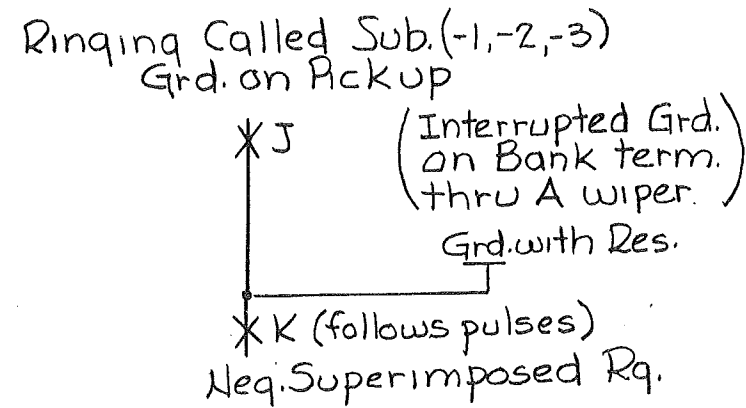
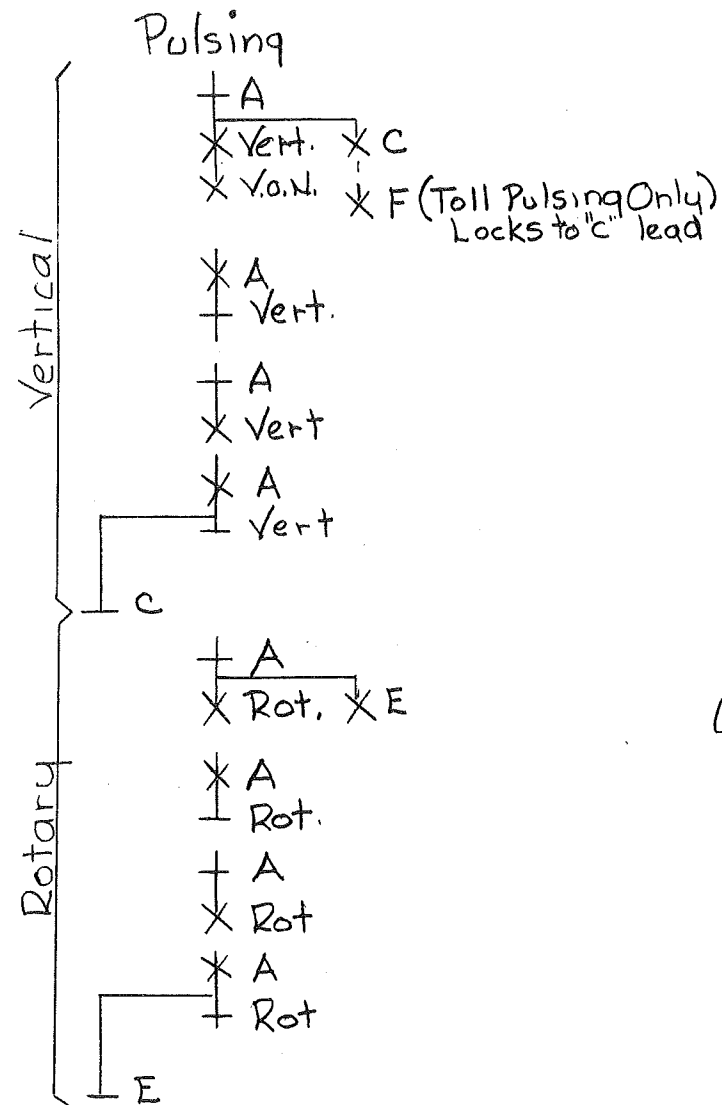
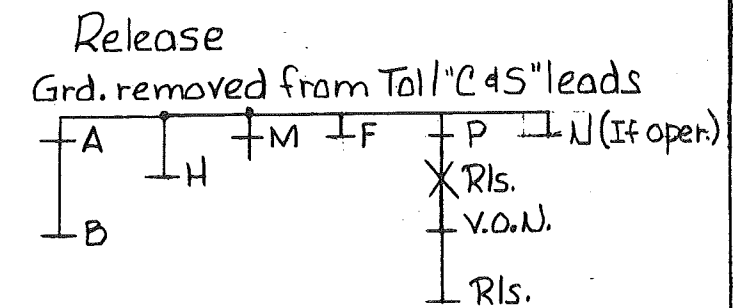
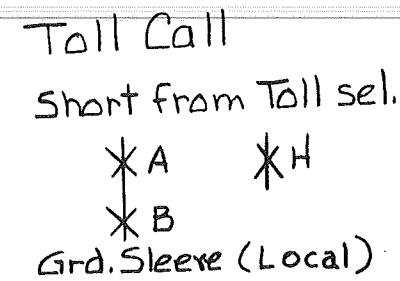
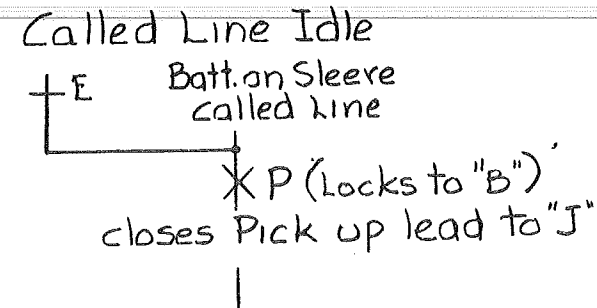
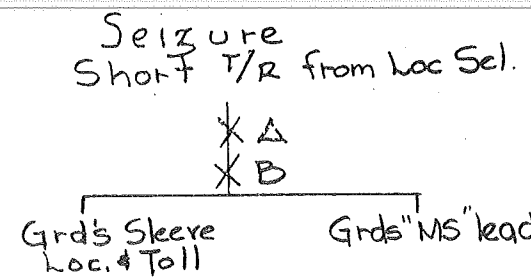
SD. 32043-011
SD. 31844-011

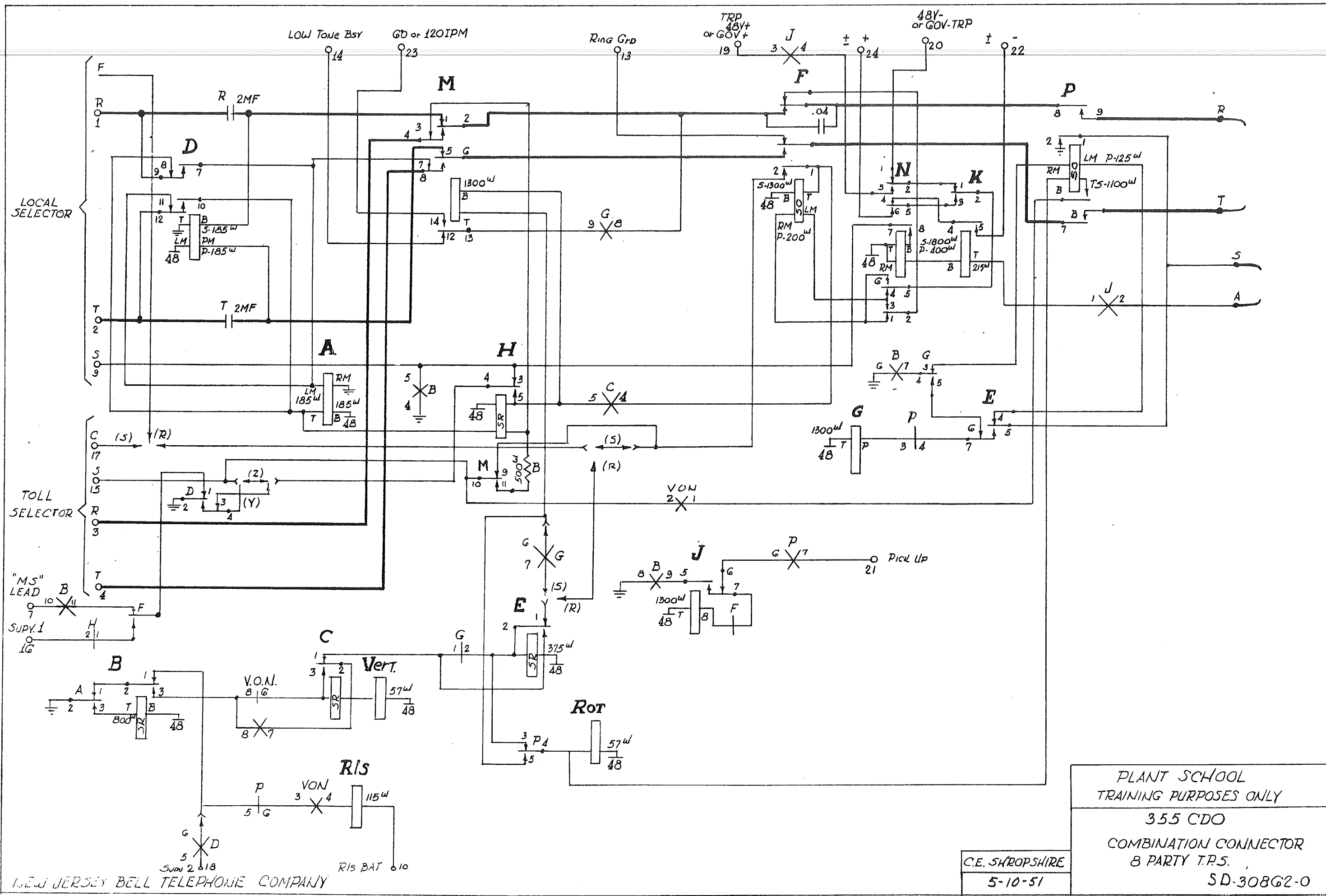
Alarm Control
&
Sender Cct.
SD-31980-011

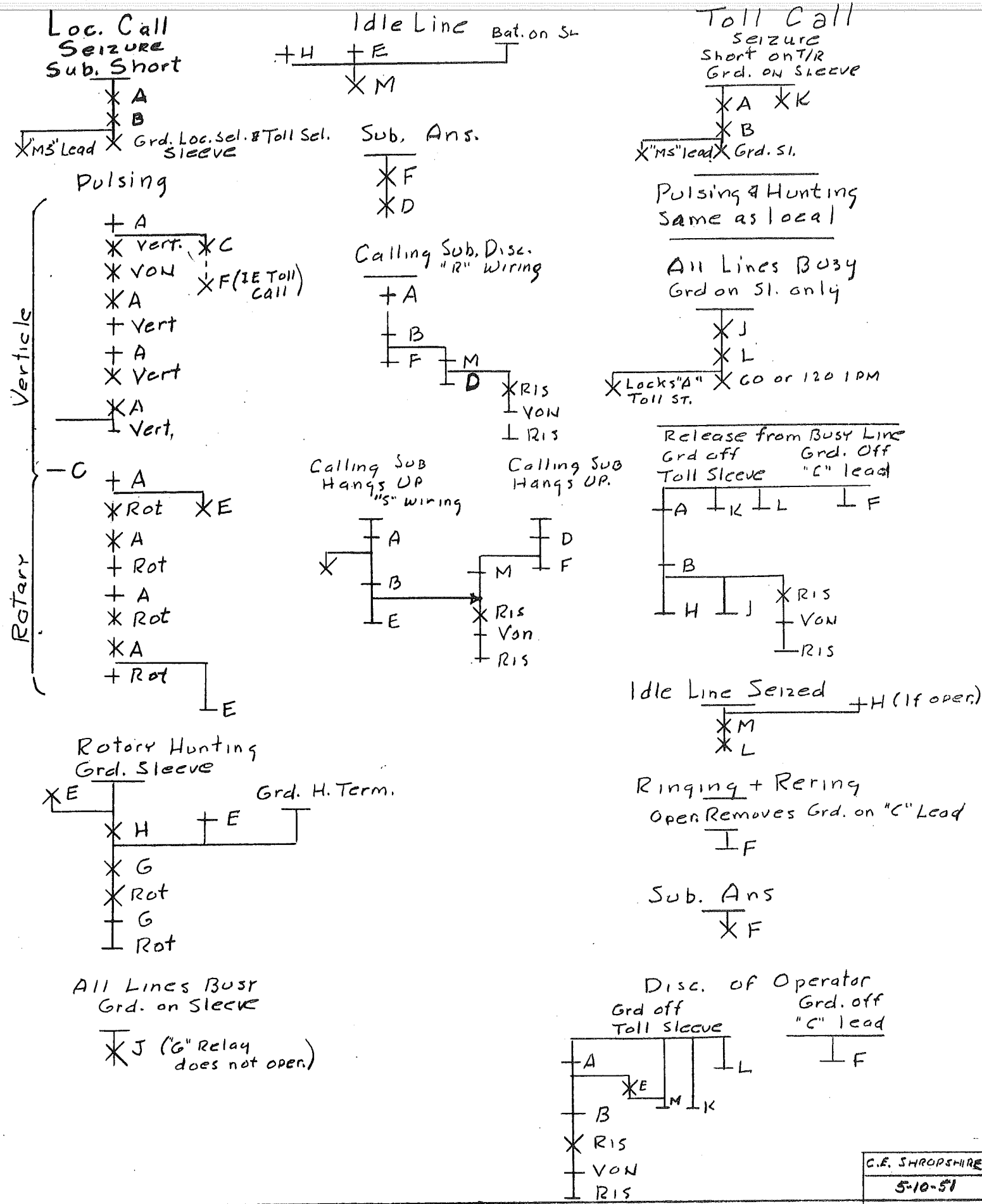
C. Shropshire



Comb. Connector

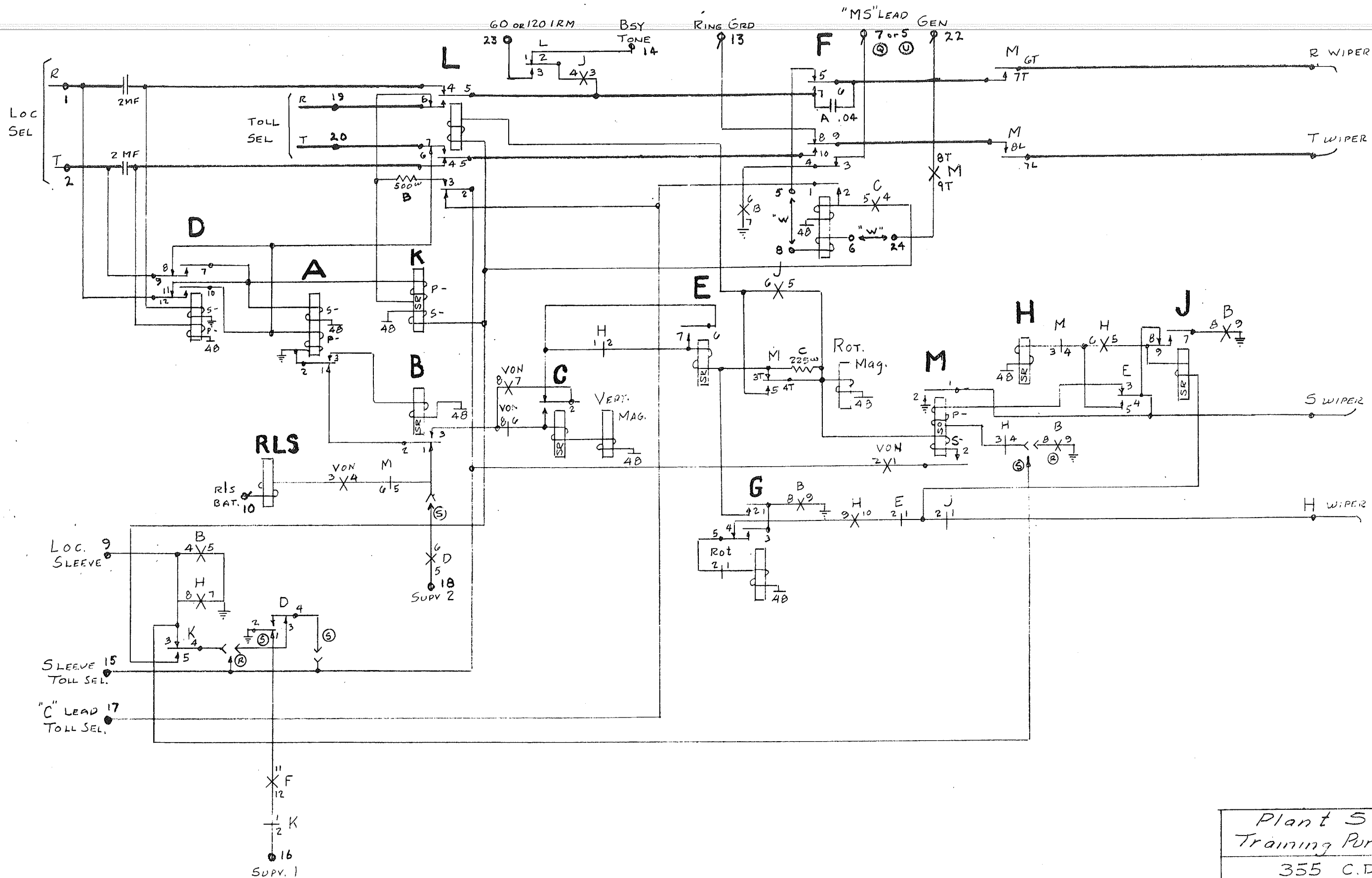






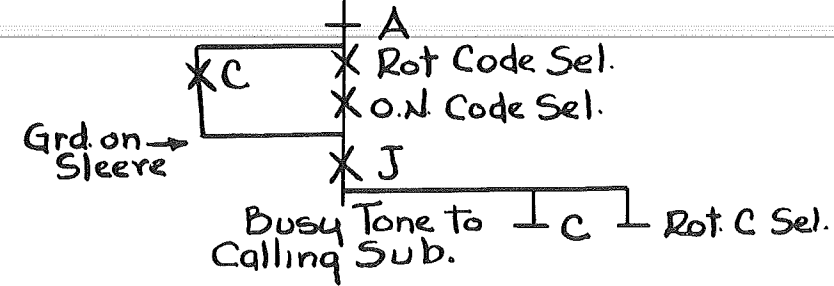
Plant School
 Training Purposes Only
 355 C.D.O.
 COMBINATION CONNECTOR
 ROTARY HUNTING
 SD 30950-011

C.E. SHROPSHIRE
 5-10-51

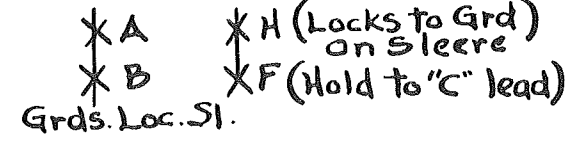


Local Call
Seizure
Short T/R
*A
*B
Grds Sleeves

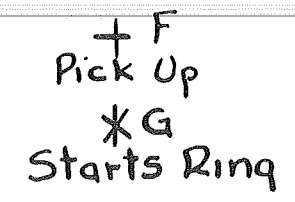
Line Tests Busy



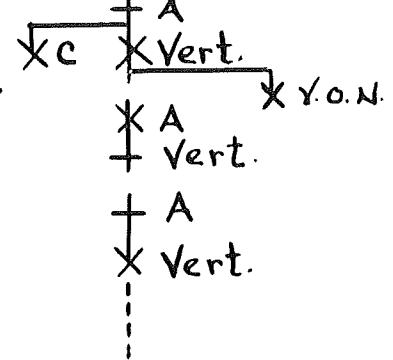
Toll Call
Seizure
Short T/R



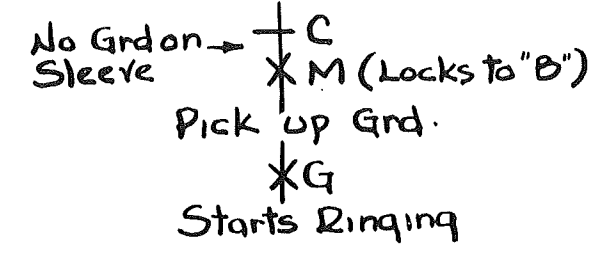
Operator Rerings
Grd. off "C" lead



Pulsing

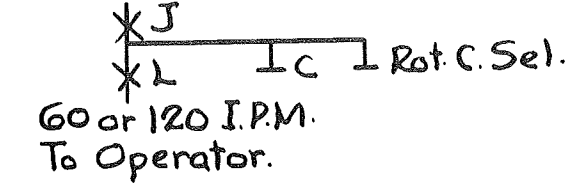


Line Tests Idle

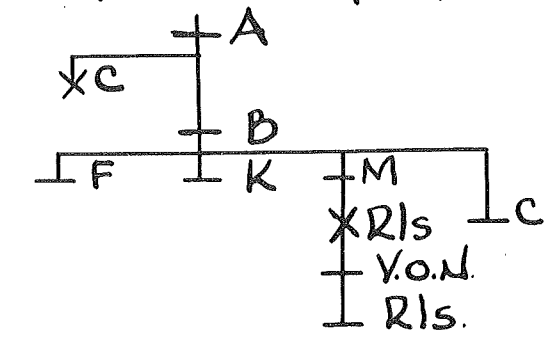


Pulsing
Same as Local

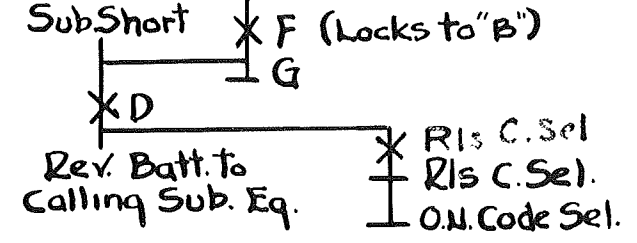
Busy Test



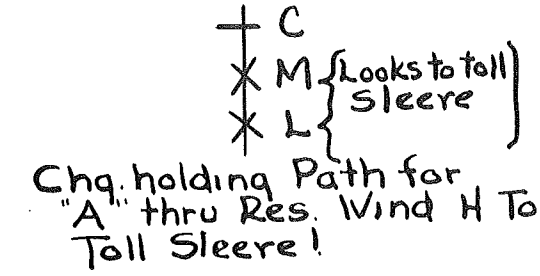
Local Call
Calling Sub. Hangs Up



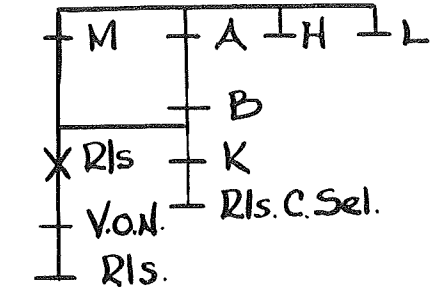
Sub. Ans.



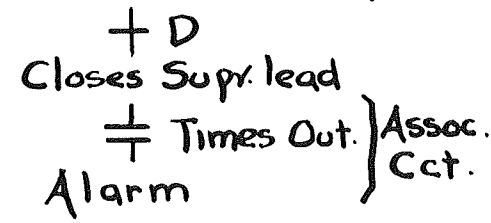
Line Tests Idle



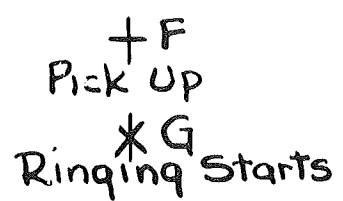
Toll Call
Operator Releases
Grd. Off "C" lead - Grd Off Sleere



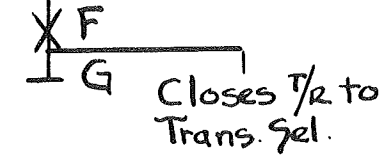
Calling Party Perm.
Called Sub. Hangs Up



Operator Rings
Grd. Off "C" lead



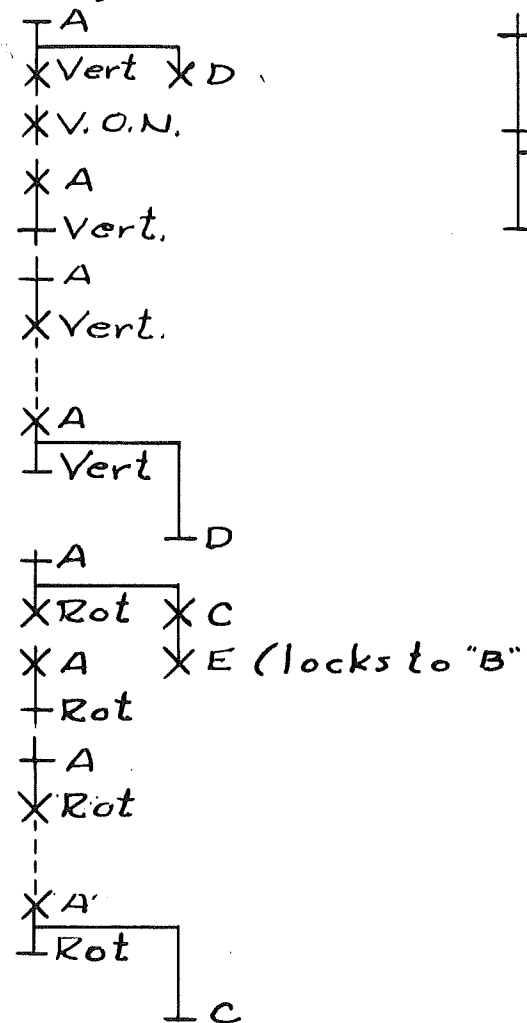
Sub. Answers



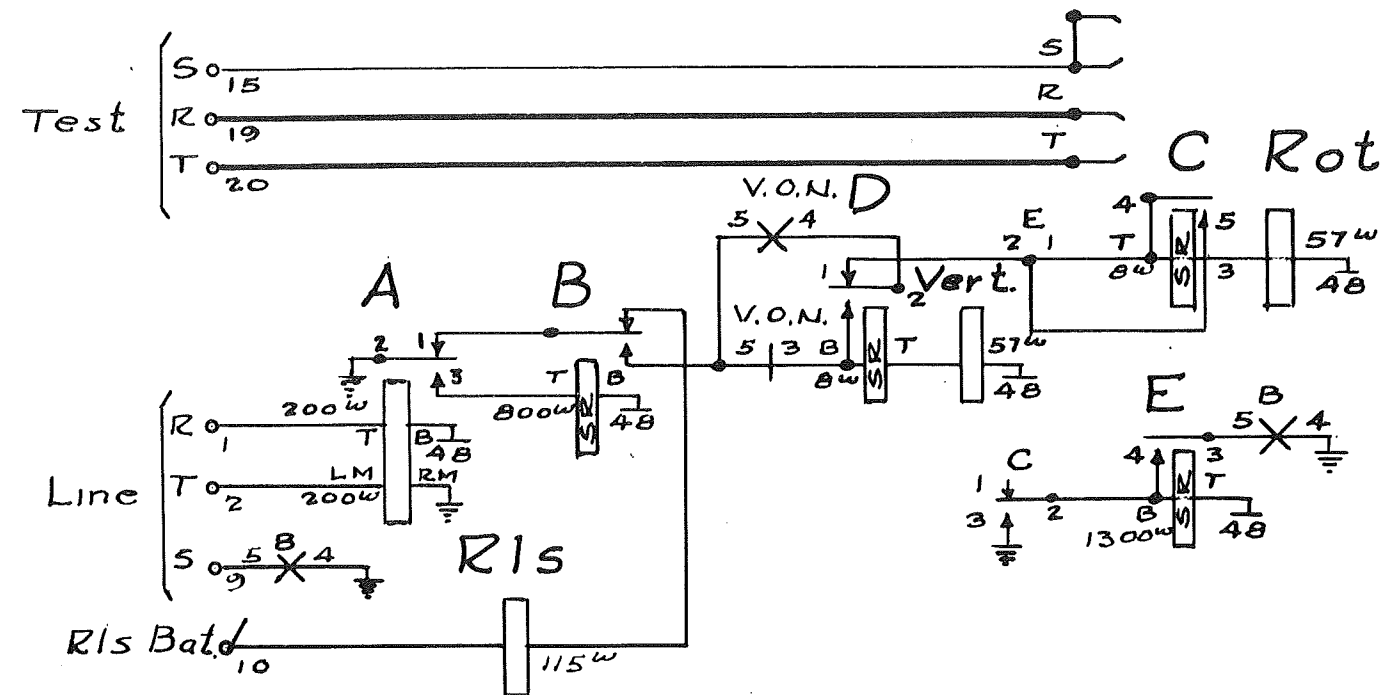
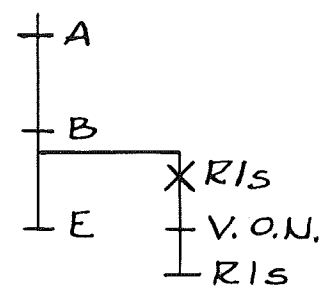
Vertical
Rotary
Rotary Code Selector

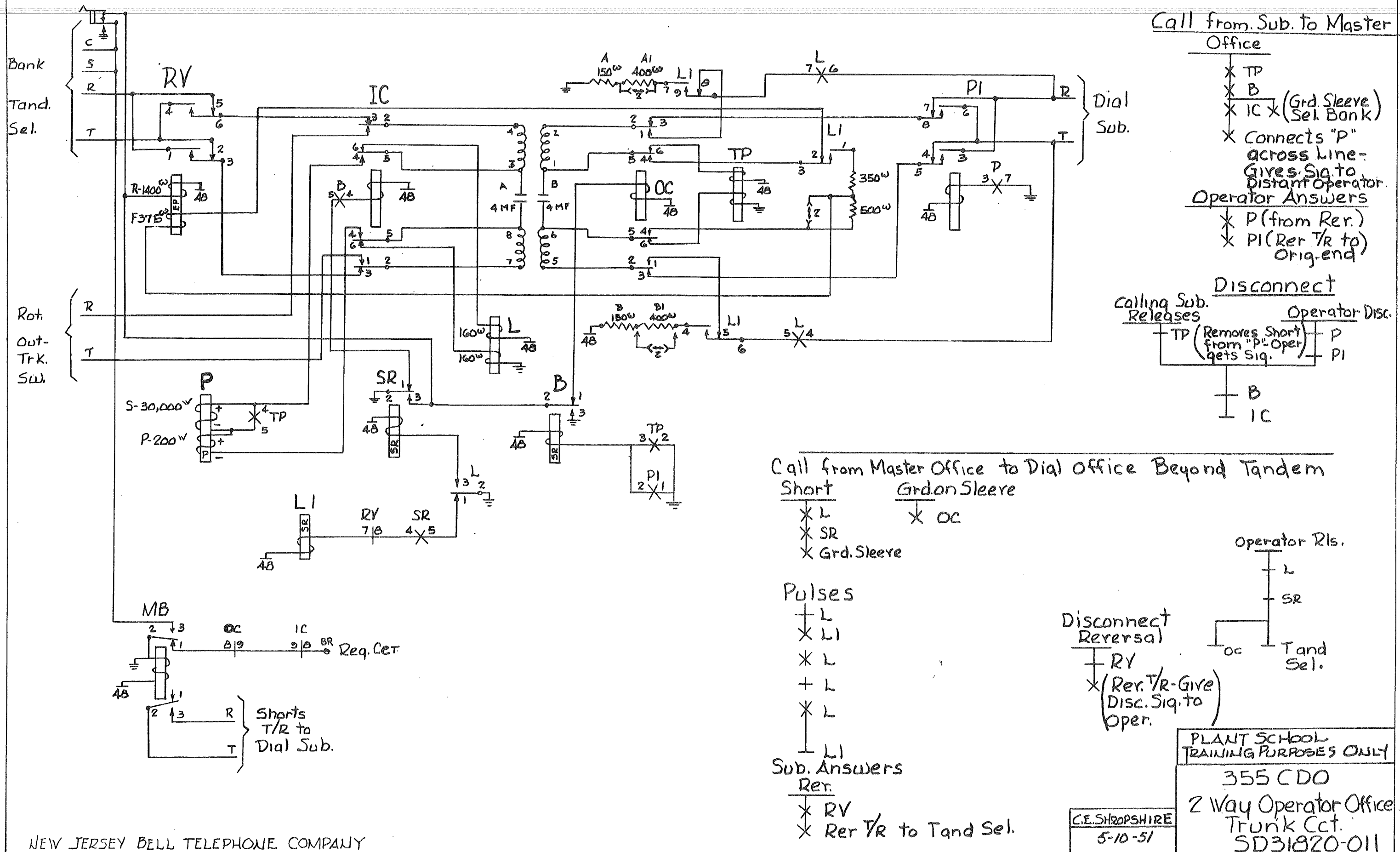
Seizure
Short T/R
* A
* B
Grd. Sleeve

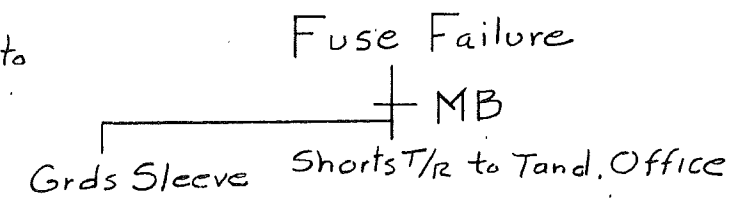
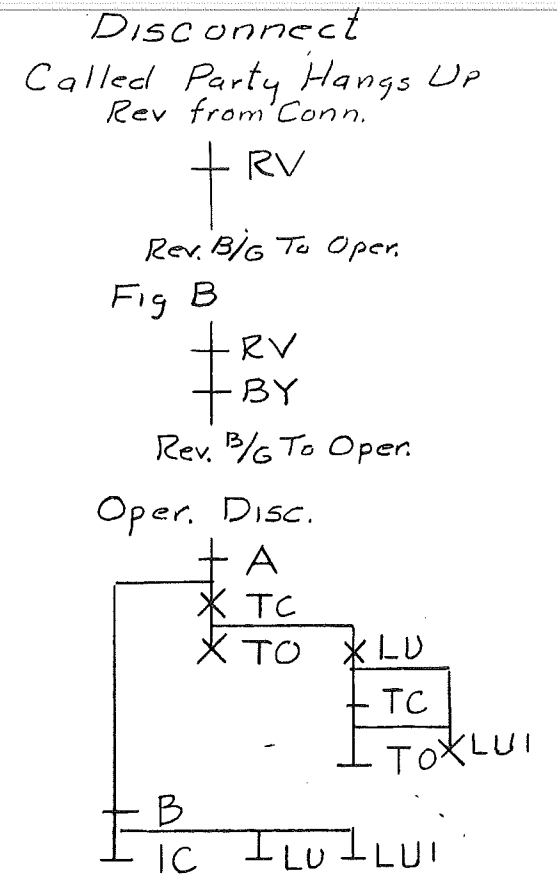
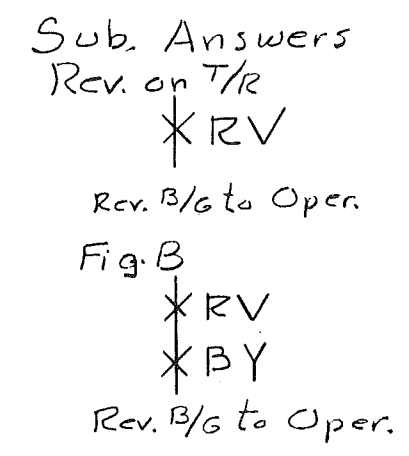
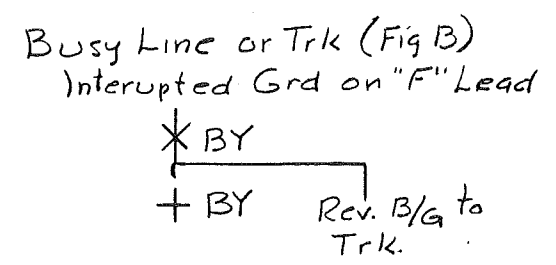
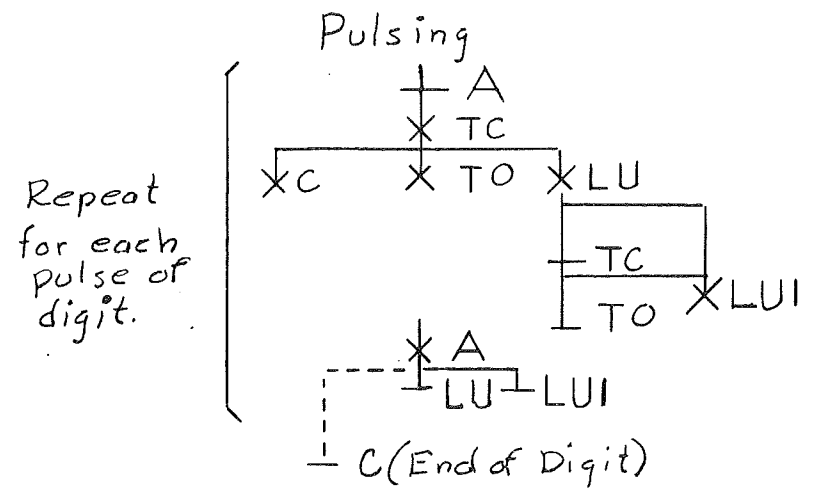
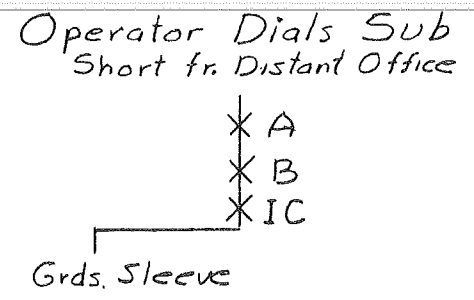
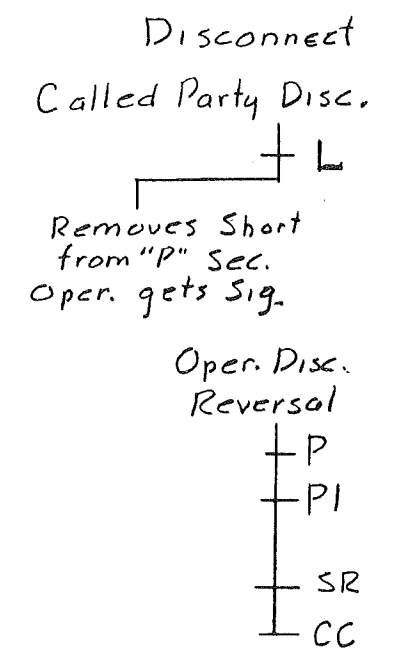
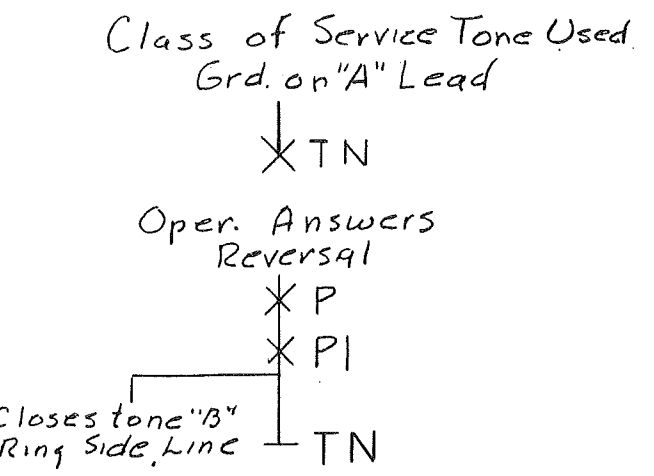
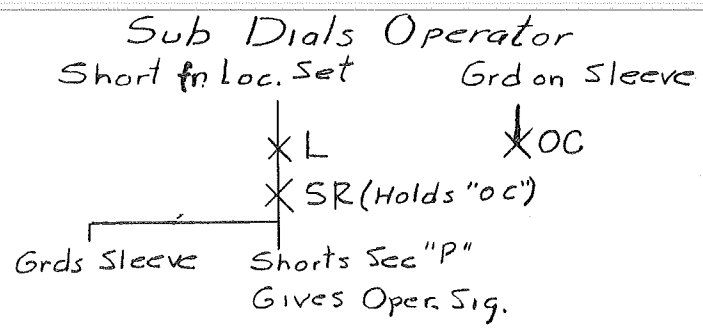
Pulsing



Release







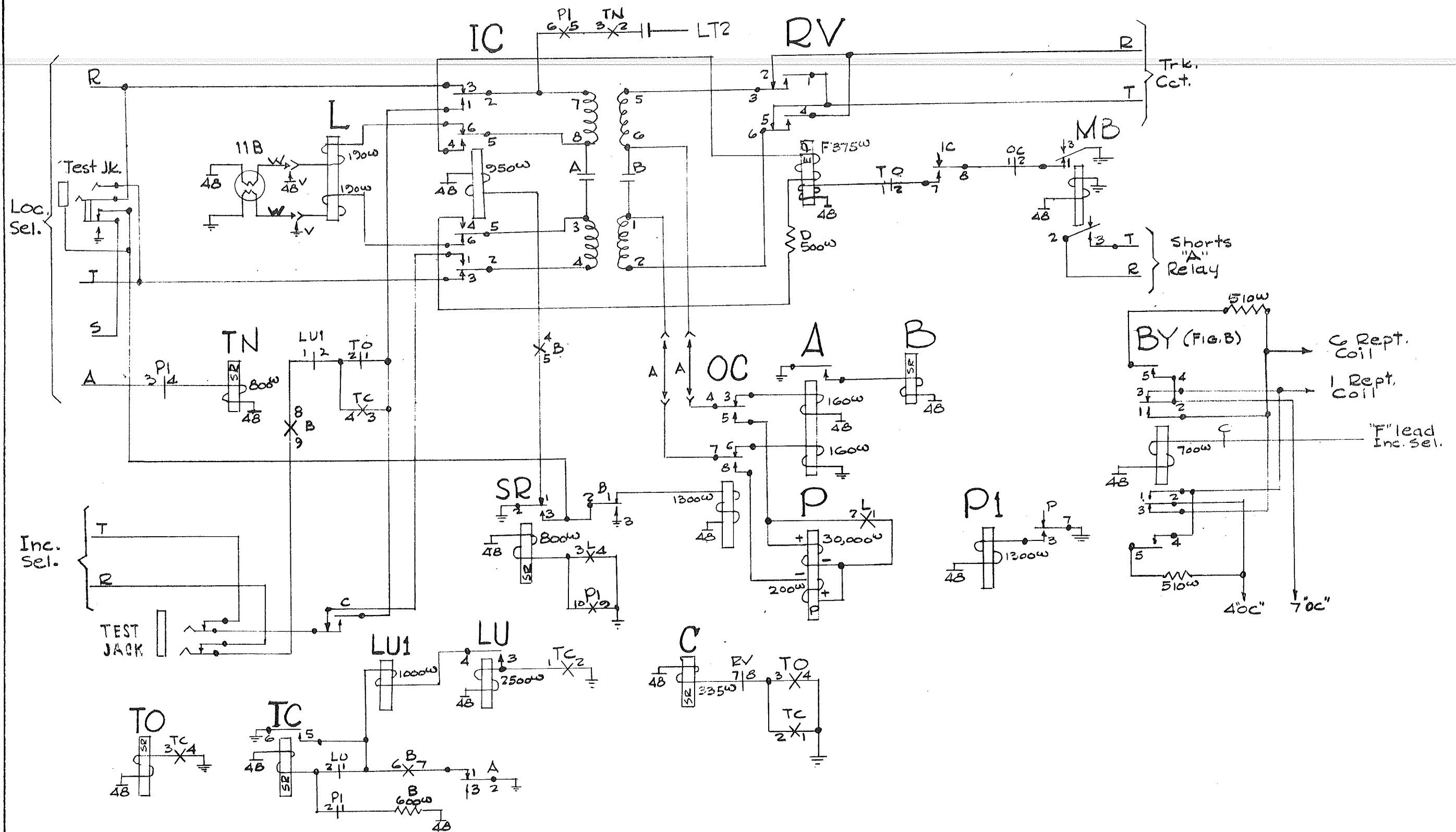
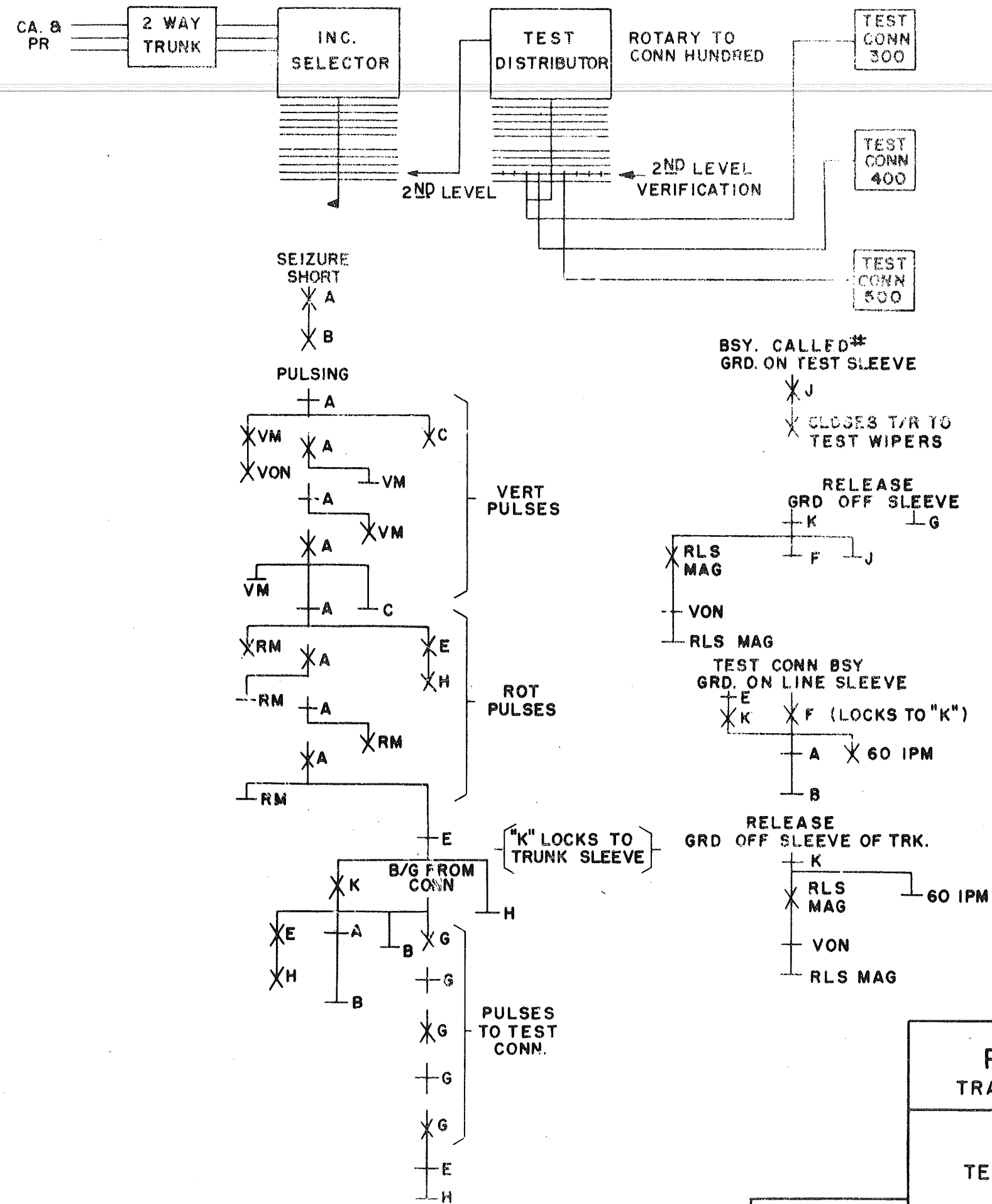


Fig. 1, 2, A, B

Plant School
For Training Purposes Only

355-CDO
2 Way Operator Off.
Trunk - Tandem.
SD-31822-011

C.E. Shropshire



PLANT SCHOOL
TRAINING PURPOSES ONLY

355-CDO
TEST DISTRIBUTOR CIRCUIT
SD-31851-011

C.E. SHROPSHIRE

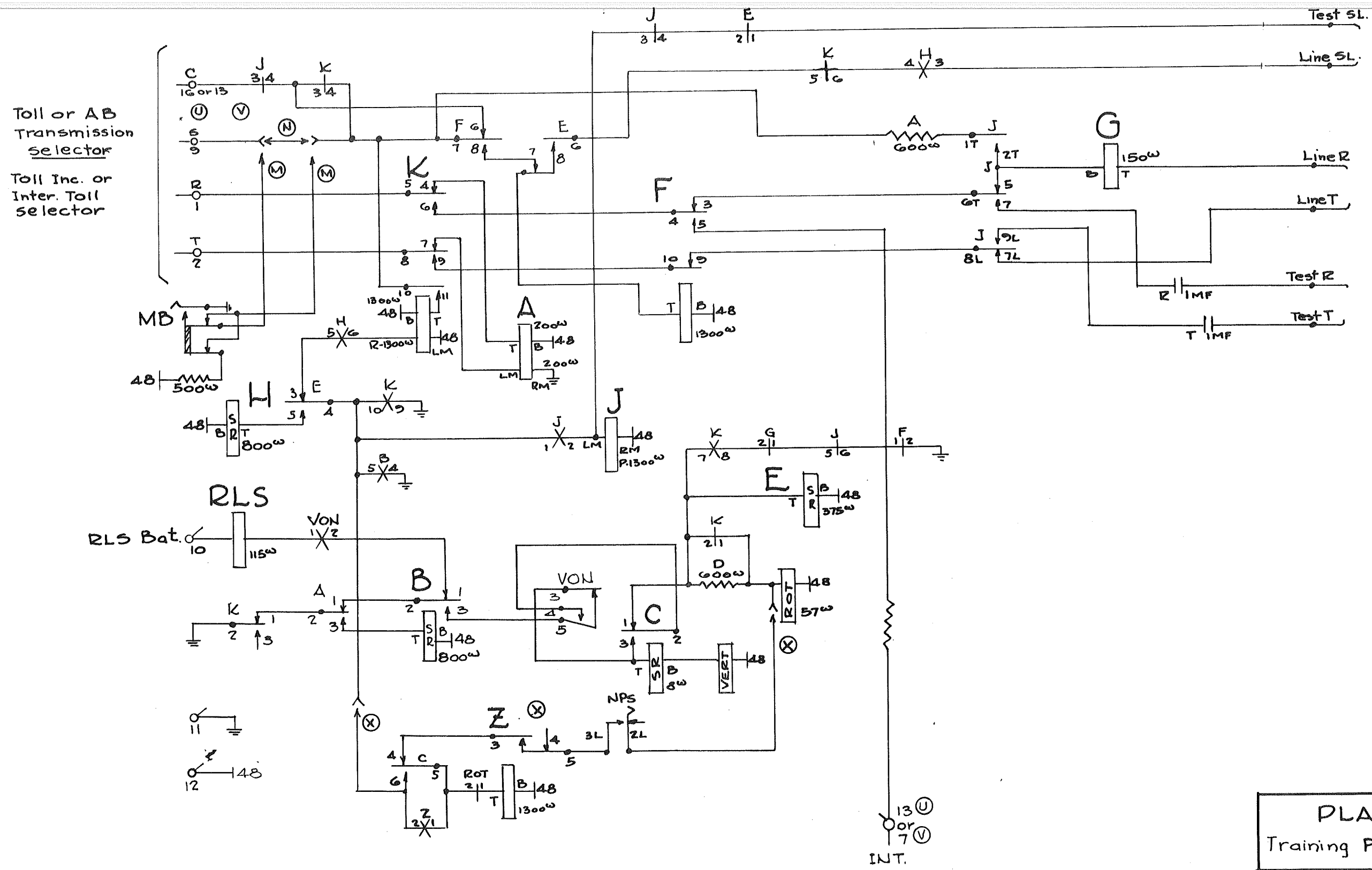
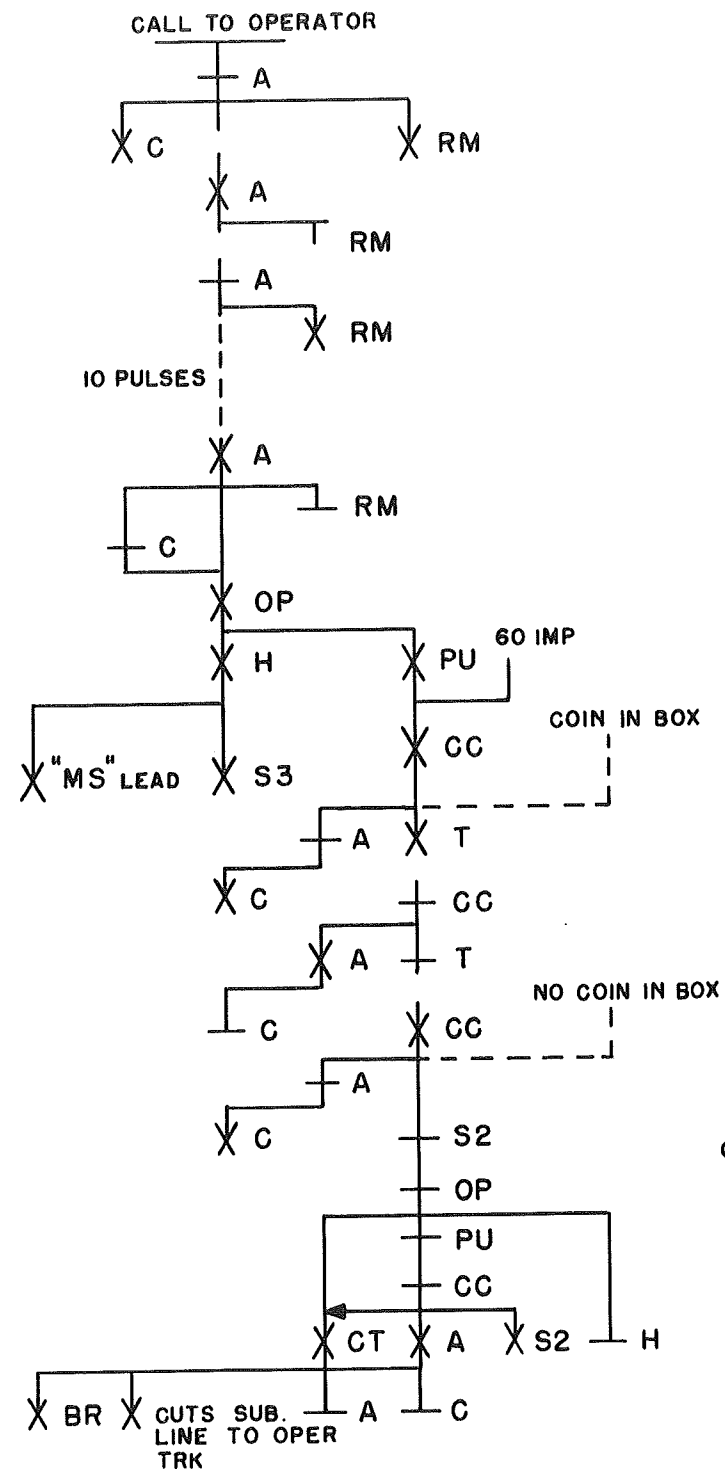
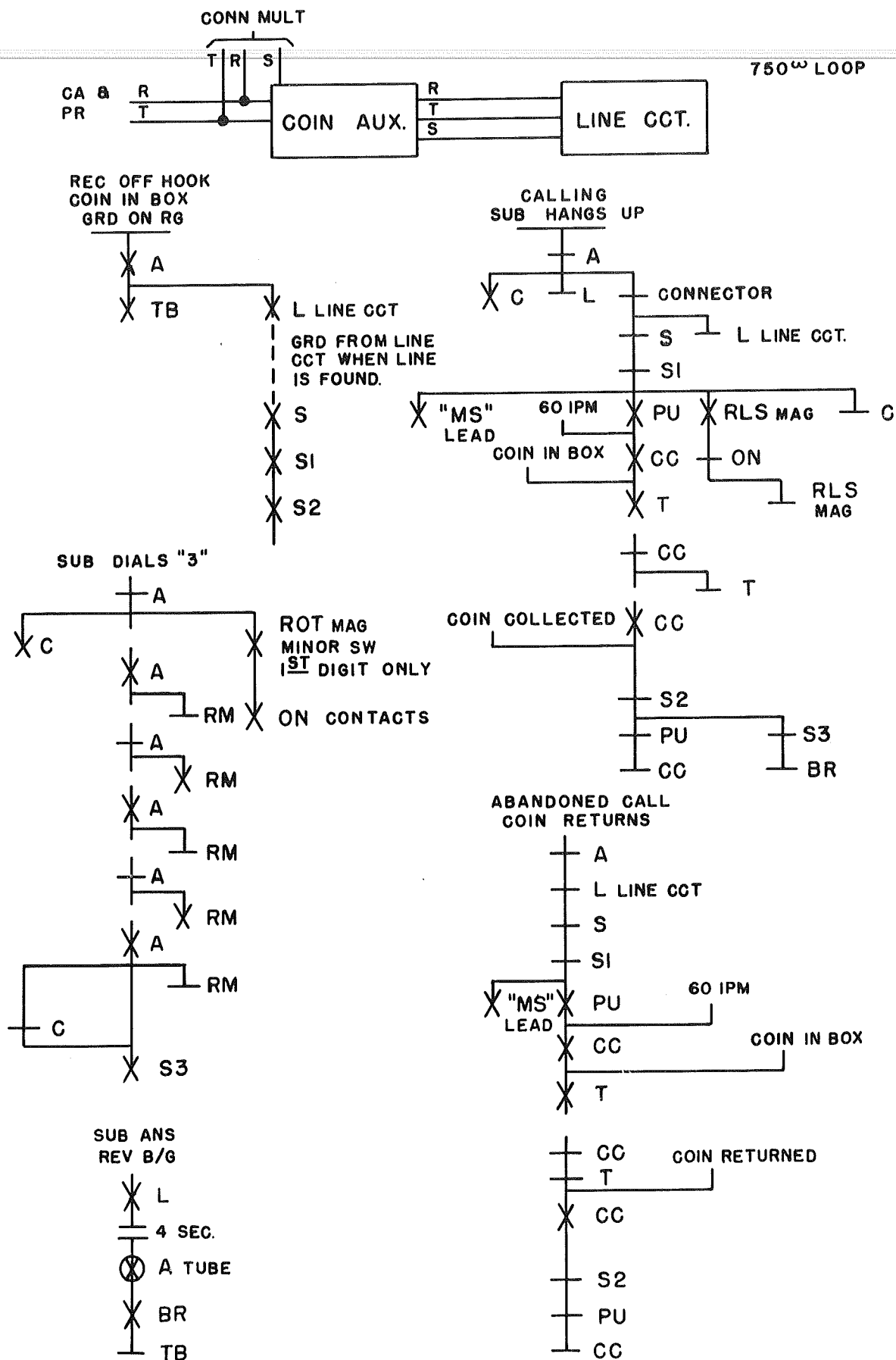


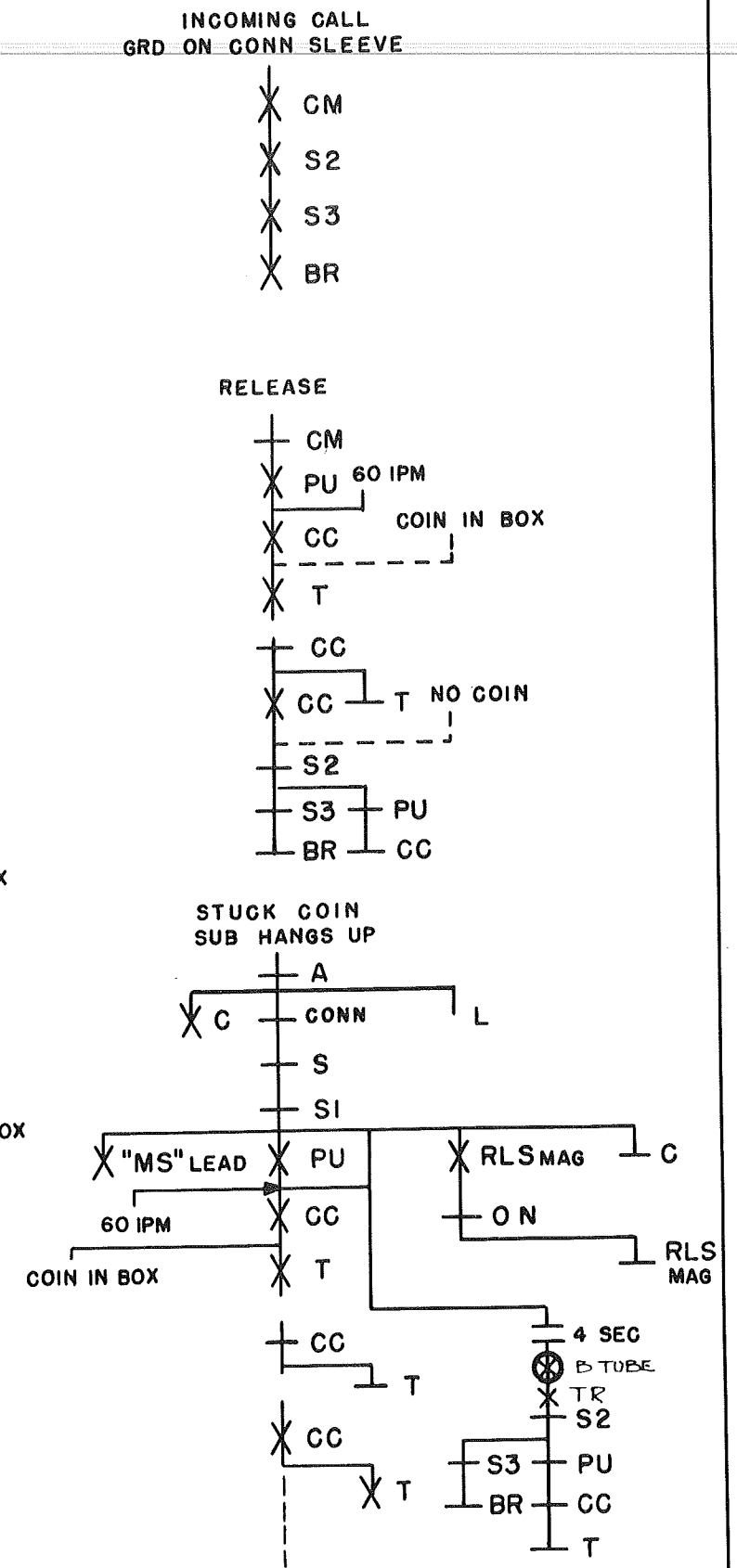
Fig. 2

PLANT SCHOOL
Training Purposes Only

355 - C D O
Test Distributor
SD-31851-011

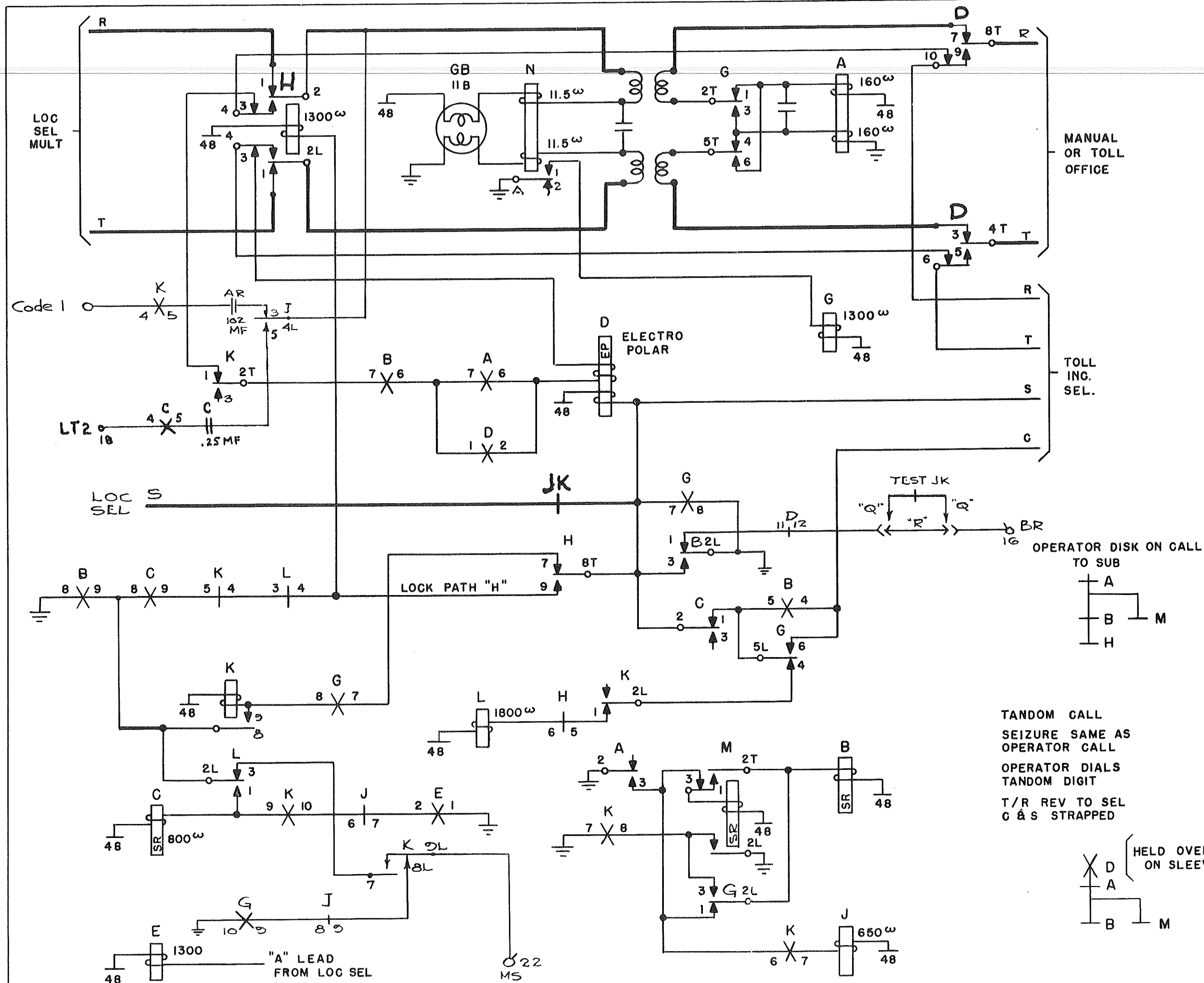


ALL SUBSEQUENT COIN ARE COLLECTED
AT COMPLETION OF CALL COINS ARE
COLLECTED AS PREVIOUSLY DESCRIBED.

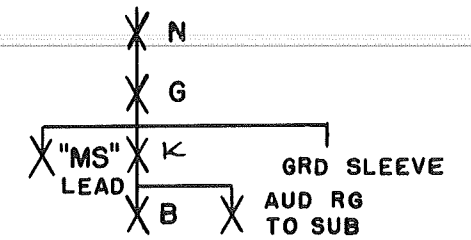


355 CDO

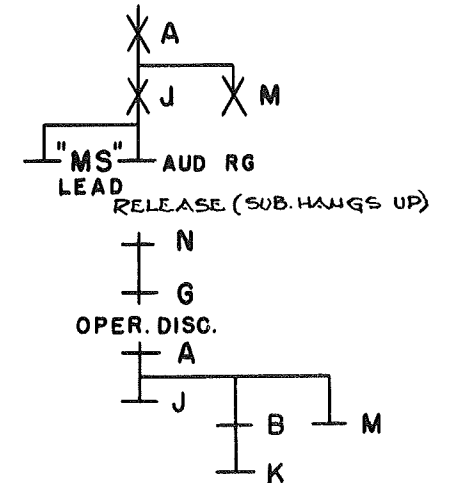
AUX. COIN LINE CCT.
SD 31873-011



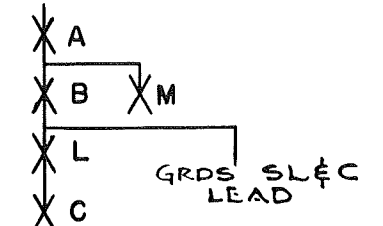
CALL TO OPERATOR
STATION SHORT THRU SEL



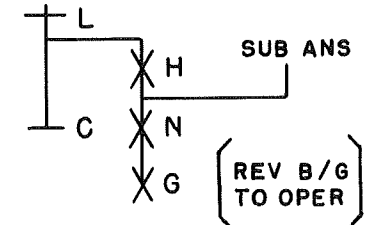
OPERATOR ANS



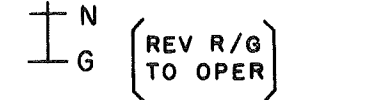
SEIZURE
OPER CALLS SUB



PULSING
("A" FOLLOWS PULSES)
IDLE LINE SEIZED
(C & S LEAD SEPARATE)

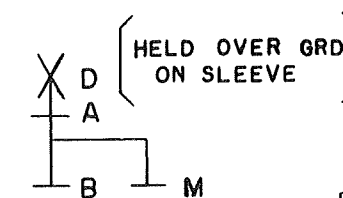


SUB HANGS UP



SEE OPER DISC ON CALL TO SUB

TANDOM CALL
SEIZURE SAME AS
OPERATOR CALL
OPERATOR DIALS
TANDOM DIGIT
T/R REV TO SEL
C & S STRAPPED

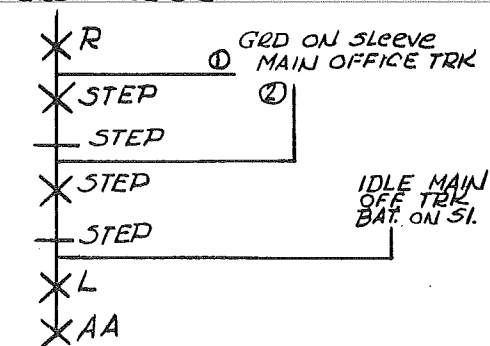
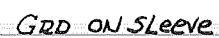


355 CDO

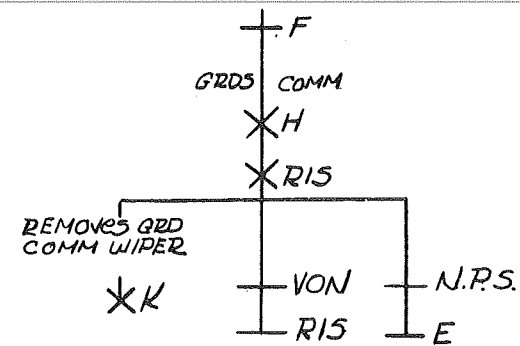
2 WAY TRUNK
SD 31874 - 011

SHROPSHIRE

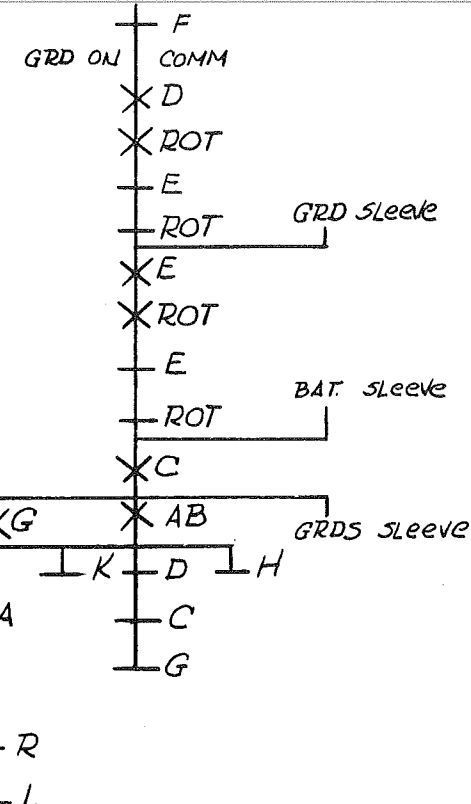
PLANT SCHOOL FOR TRAINING PURPOSES ONLY

SHORT^T/R OR GRD^R/S

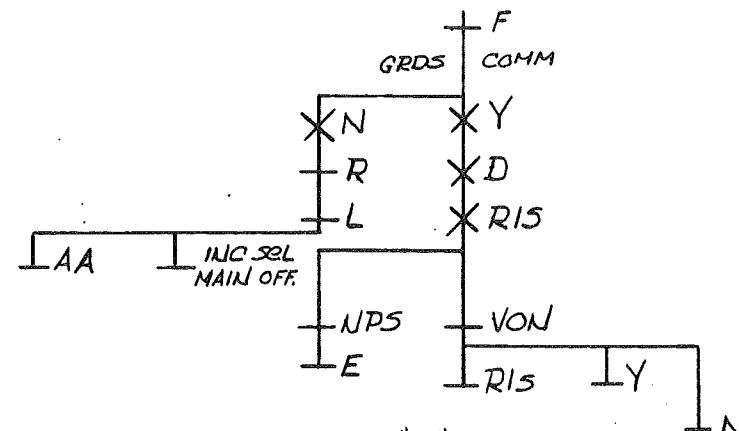
DIGIT "4" 1ST DIGIT



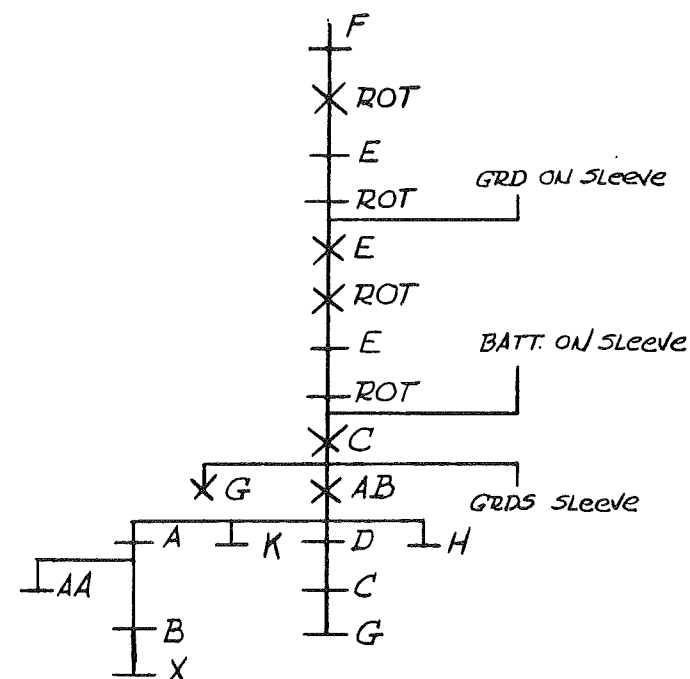
DIGIT "O"



GRDS	COMM
------	------

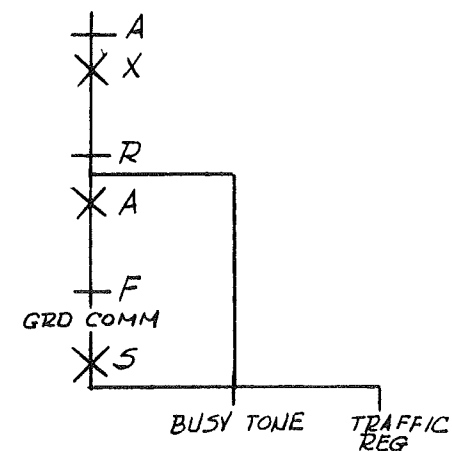


DIGIT "2" 3RD DIGIT

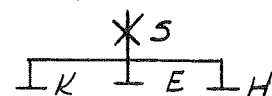


4TH & 5TH DIGITS DIALED
ON CONNECTOR

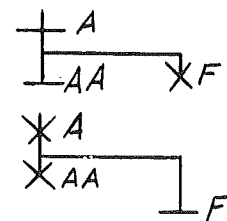
ALL TRUNKS BUSY TO MAIN OFFICE



$\vdash F$
GRD ON COMM.



ALL OTHER DIGITS REPEATED



SUB ANS.

* 4

NEW JERSEY BELL TELEPHONE CO.

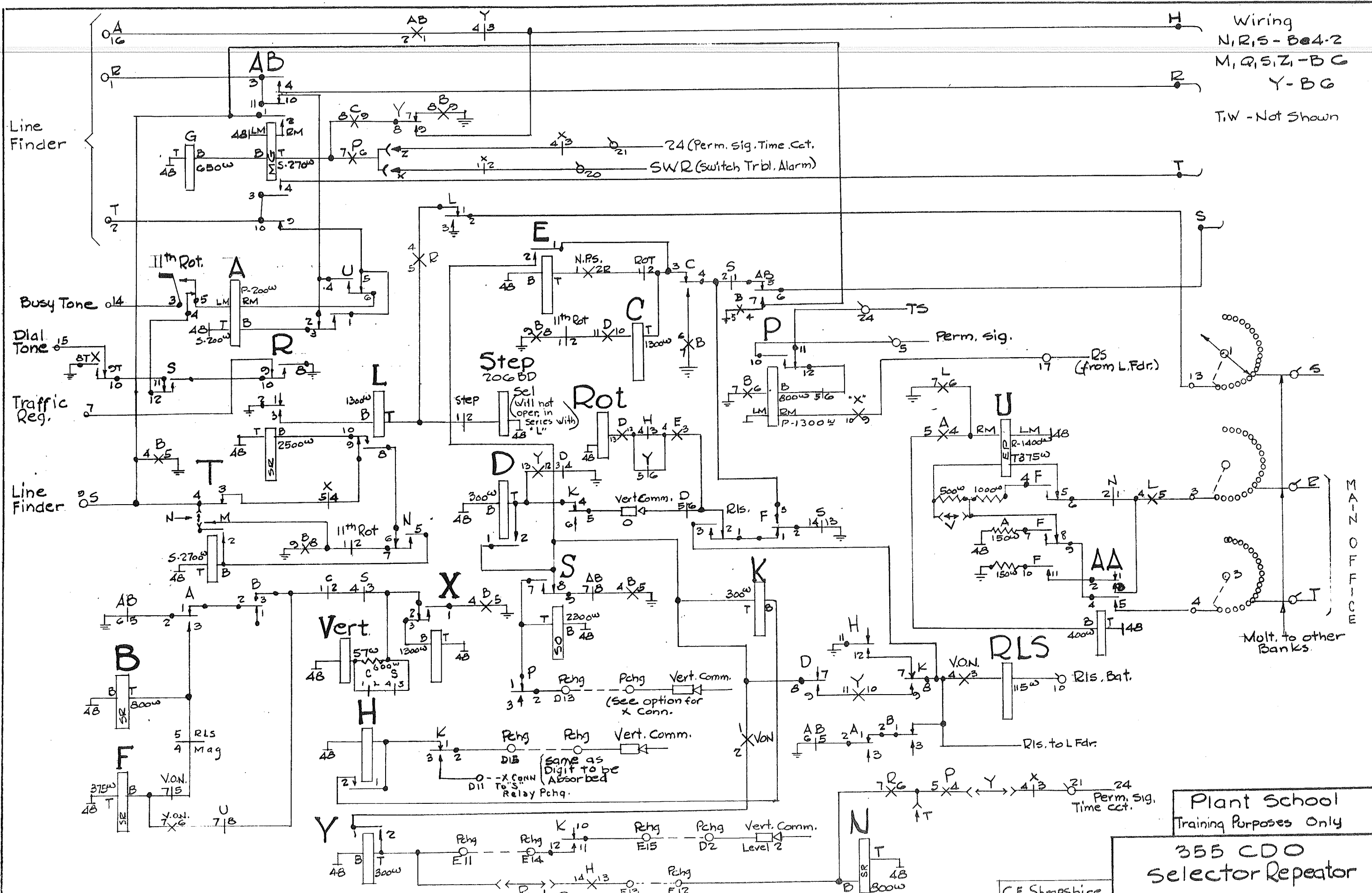
Na PLAN 4.00
N.R.S. OPTIONS

PLANT SCHOOL
TRAINING PURPOSES ONLY

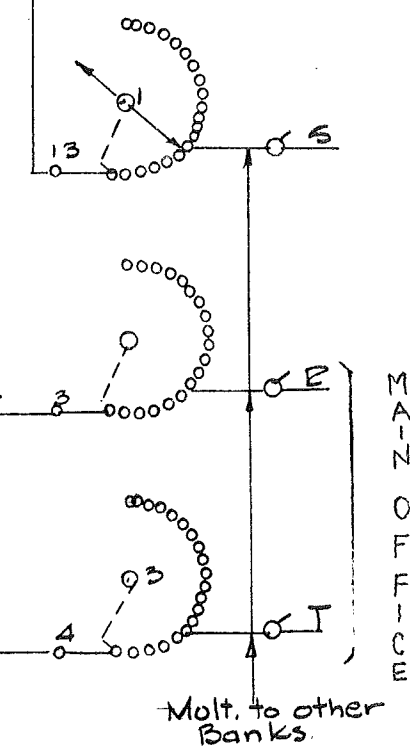
355 CDO
SLECTOR REPEATERS
BEACH HAVEN 4-2

SD 31914-011

C.E SHROPSHIRE

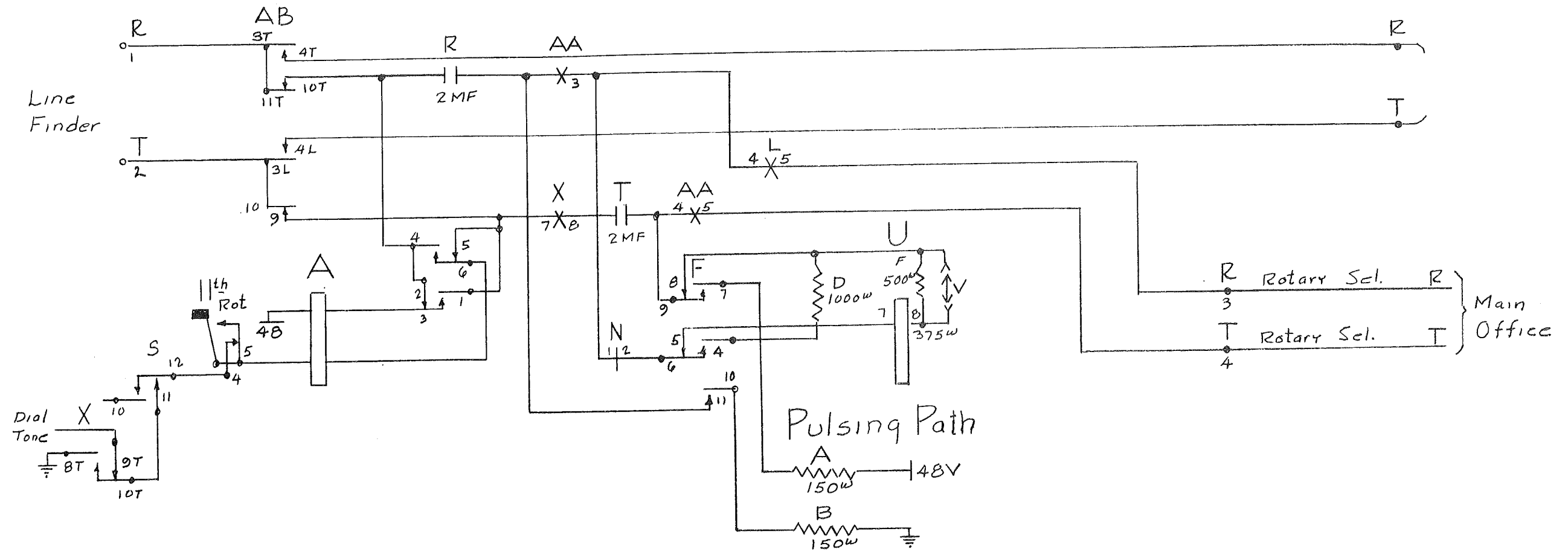


Wiring
N, R, S - B 4-2
M, Q, S, Z, -B C
Y - B G
T, W - Not Shown



Plant School
Training Purposes Only
355 CDO
Selector Repeater
SD-31914-011
G.E. Shropshire
3-17-51

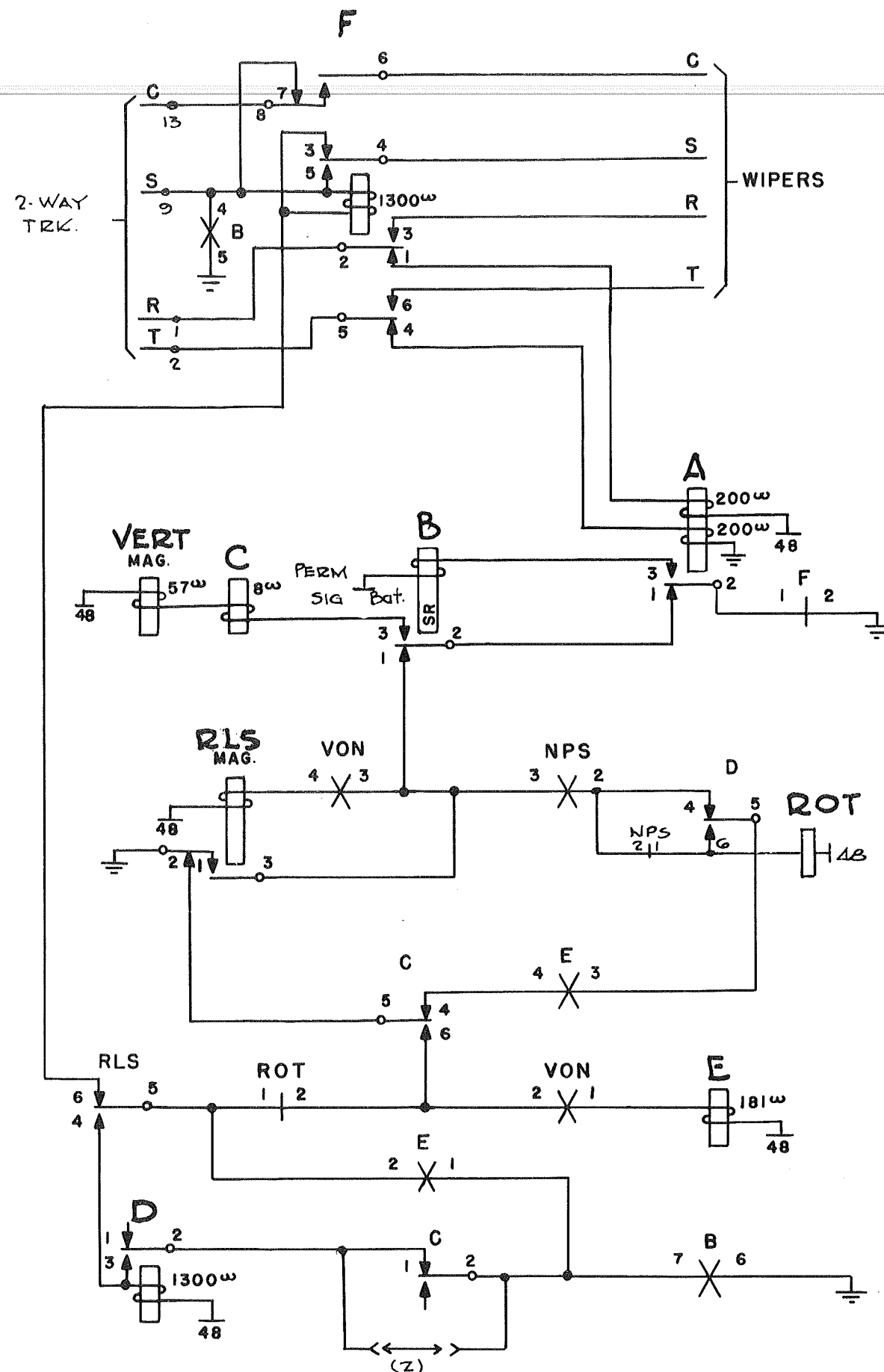
Talking Paths



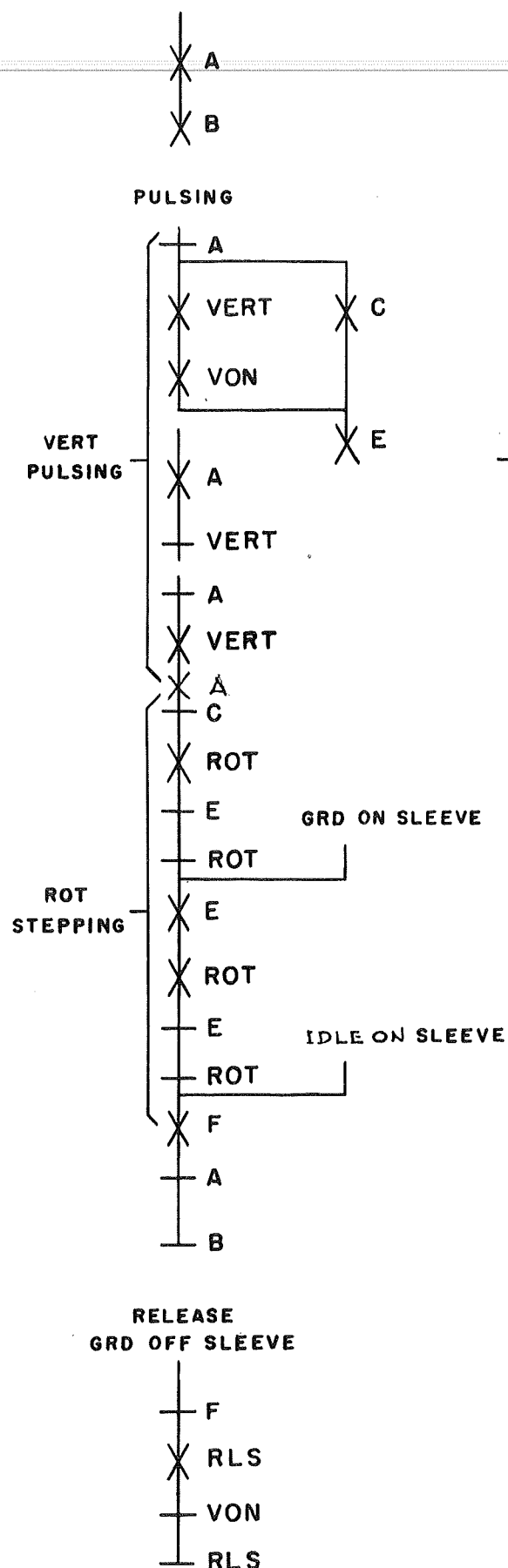
Plant School
Training Purposes Only

355 C.D.O.
Selector Repeater

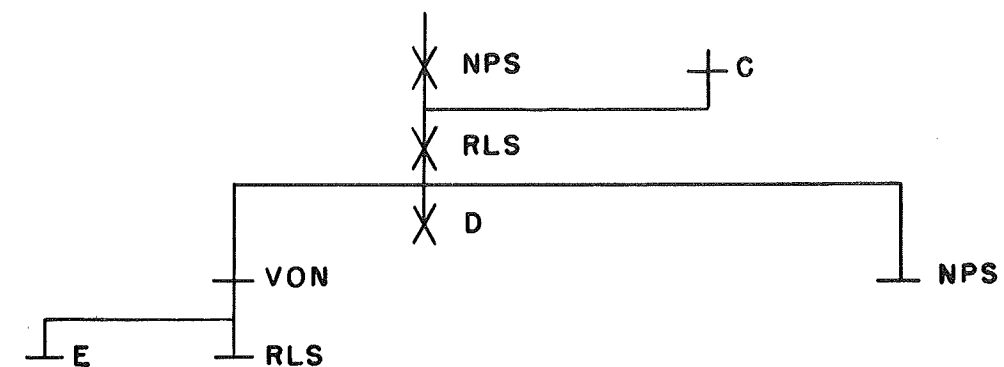
SD 3314-01



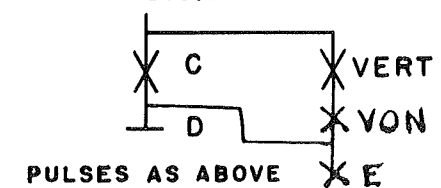
SEIZURE
SHORT FROM ORIG OFFICE



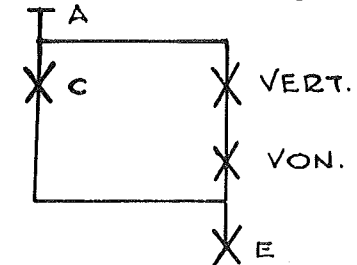
1ST DIGIT ABSORBED
NPS OPERATED



2ND DIGIT



2ND DIGIT (Z Wiring)



PLANT SCHOOL FOR TRAINING PURPOSES ONLY

Shropshire

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TOLL INCOMING SELECTOR

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