

## GENERAL COMPUTATION SHEET

SHEET NO. \_\_\_\_ OF \_\_\_\_ SHEETS  
 JOB FILE NO. \_\_\_\_  
 LOCATION \_\_\_\_

SUBJECT \_\_\_\_\_

MADE BY \_\_\_\_\_

DATE \_\_\_\_\_

CHECKED BY \_\_\_\_\_

APPROVED BY \_\_\_\_\_

Switch Machine Matrix #1

16 Diodes, 8 Buttons, 6 switch Machine

Set up tracks west-end

Track switches Y-1, Y-2, Y-3, Y-4,

West End Storage &amp; team trk

Buttons S-1, S-2, S-3, S-4, S-5, S-6, S-7

West End S

Routes Track Set Up ①

②

③

Eng. Hse Lead ④

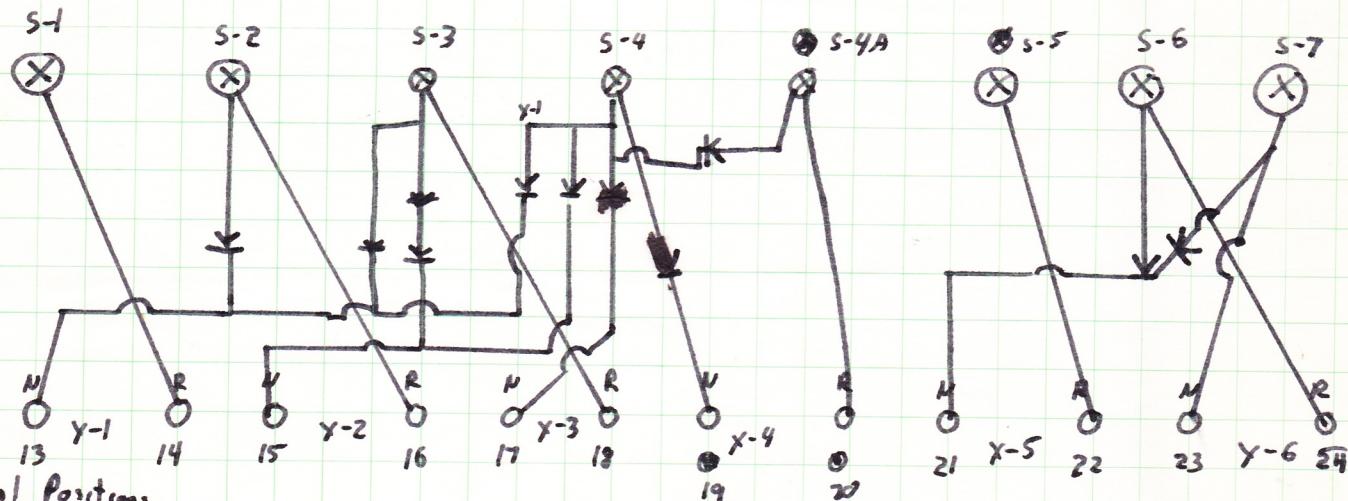
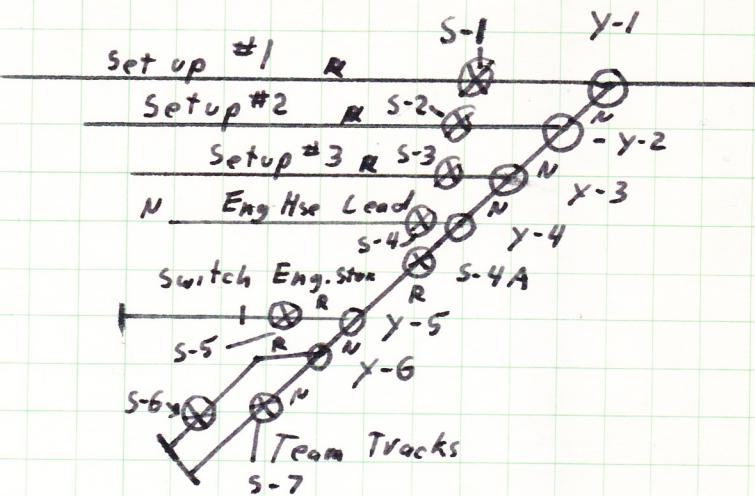
West End Stop ④

West End Switch ⑤

Team Tracks ⑥ or ⑦

O = Switch and switch # X

X = Push Button and # S



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Switch Matrix #2

6 Buttons, 5 switch Machines,  
12 Diods

First 5 Yard Storage tracks

Buttons S-14, S-15, S-16, S-17, S-18, S-19

Switches Y-10, Y-11, Y-12, Y-13, Y-14,

Routes Trk 1 = Button S-15

Trk 2 = " S-16

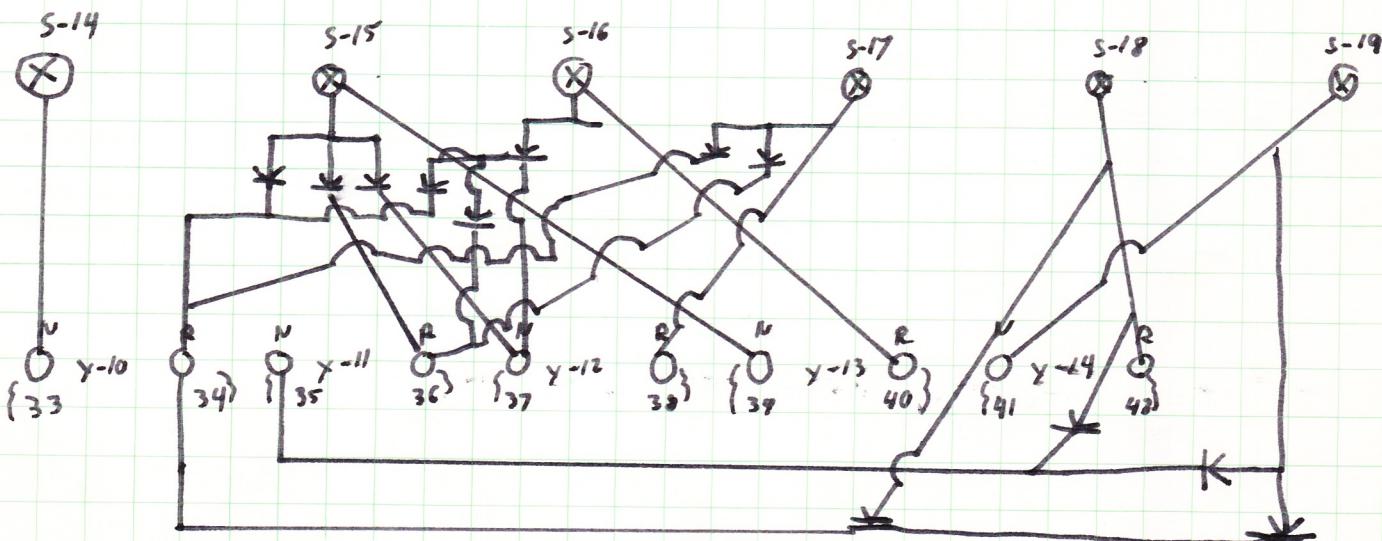
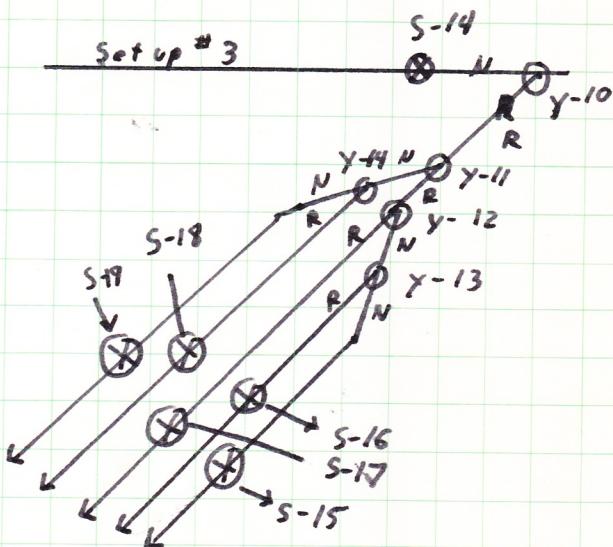
Trk 3 = " S-17

Trk 4 = " S-18

Trk 5 = " S-19

Normal Setup 3 " S-14

Setup #3



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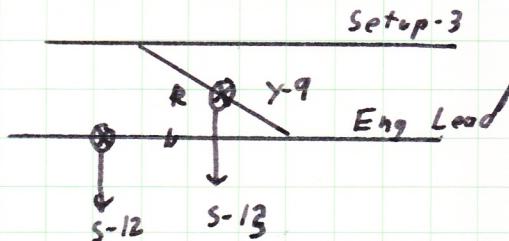
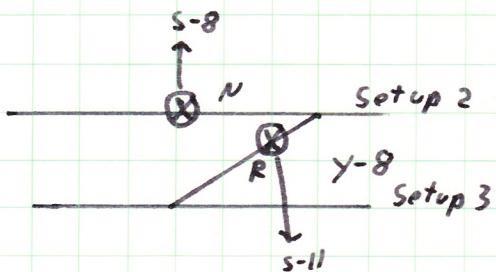
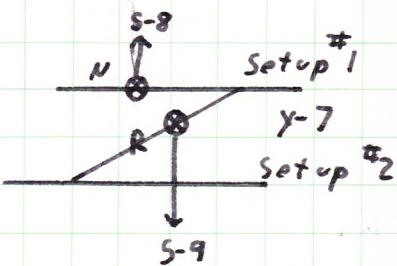
*Non Matrix Switches*

Cross overs Y-7 , Buttons S-8 Normal S-9, Reverse  
 Y-8 , Button S-10 Normal S-11 Reverse  
 Y-9 , Button S-12 Normal S-13 Reverse

*Terminal Positions*N R  
Y-7 25-26

Y-8 27-28

Y-9 31 - 32



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Switch Machine Matrix #4

5 switches

Set up Tracks East End

7 Buttons

East end Caboose + switch eng.

Track switches Y-17, Y-18, Y-19, Y-23, Y-24

Buttons S-27, S-28, S-29, S-30, S-31, S-32, S-33

Routes Button

Load

Set up 1 = S-33

Set up 2 = S-32

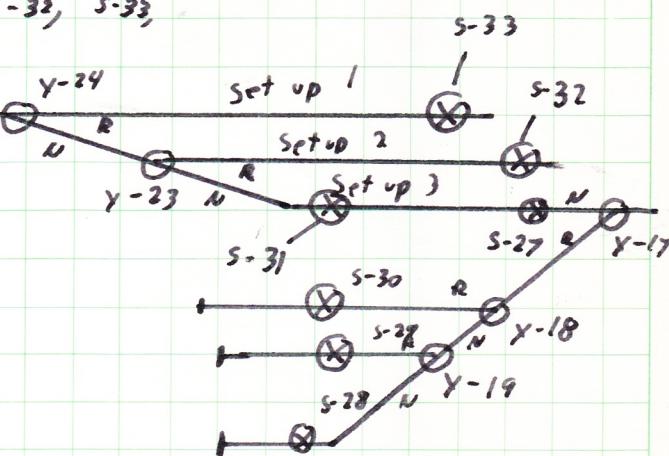
Set up 3 = S-31

East End Switch Eng. S-30

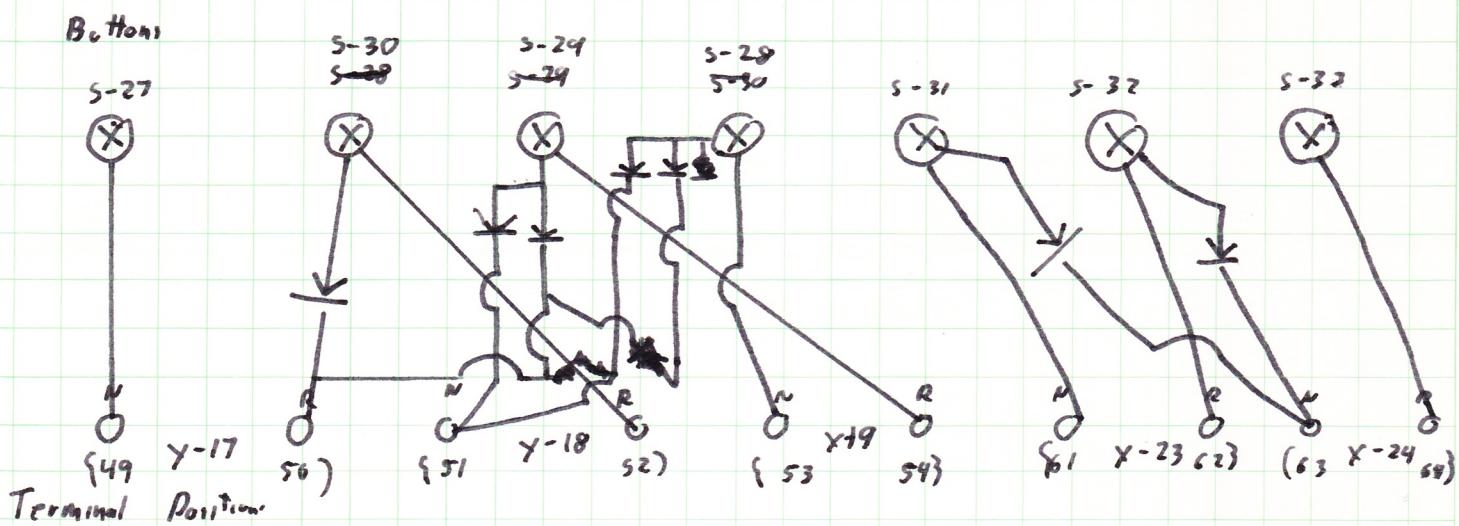
Caboos 1 = S-289

Caboos 2 = S-288

Normal = S-27



Buttons



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Switch Machine Matrix #3

Storage Track 6-10

Track Switches Y-15, Y-16, Y-20, Y-21, Y-22  
Buttons S-20 to S-26

5 switches, 7 Buttons

7 Diodes

Rates

Trk 6 = Button 21

Trk 7 = Button 22

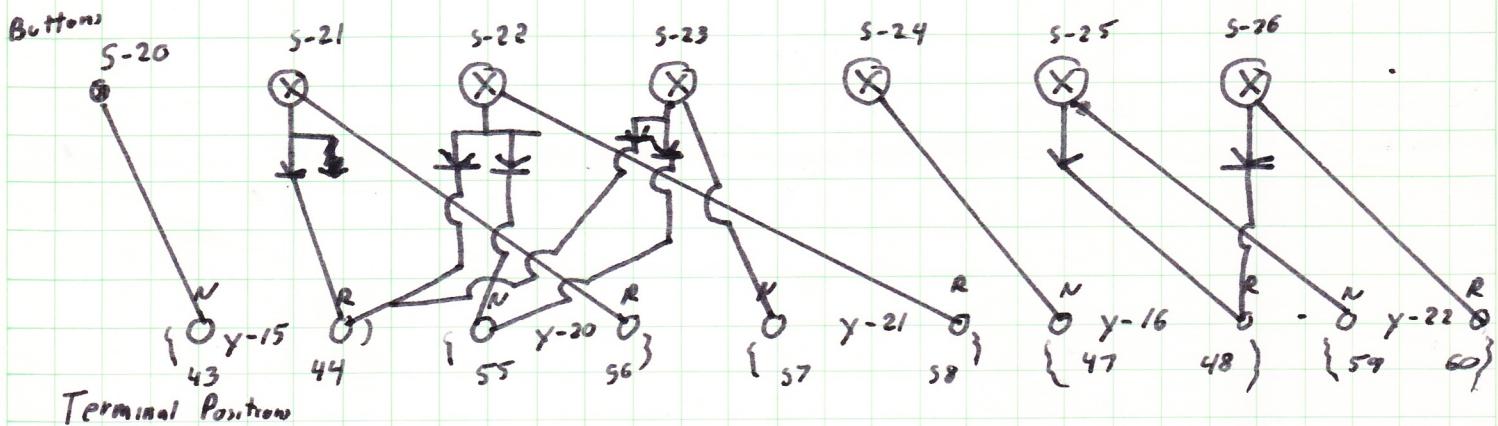
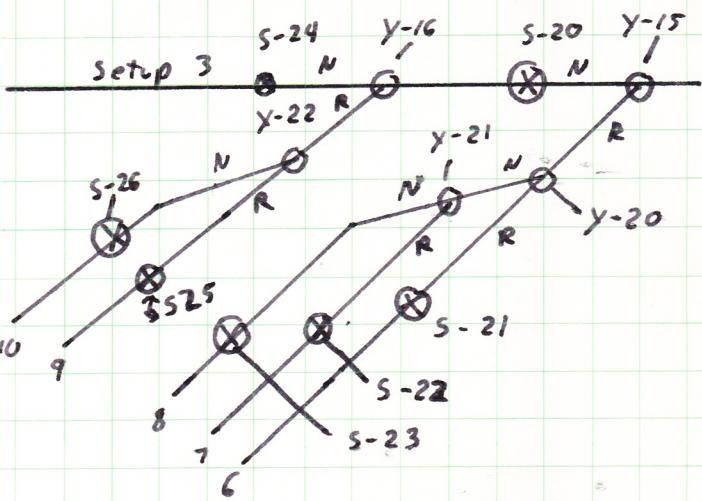
Trk 8 = Button 23

Normal = Button 20

Trk 9 = Button 25

Trk 10 = Button 26

Normal = Button 24



Terminal Positions Switch Machine

1-2  
M-1

3-4  
M-2

5-6  
M-3

7-8  
M-4

9-10  
M-5

spare

13-14  
Y-21

15-16  
Y-22

17-18  
Y-23

19-20  
Y-24

21-22  
X-25

23-24  
Y-6

25-26  
Y-7

27-28  
Y-8

29-30  
spare

31-32  
Y-9

33-34  
Y-10

35-36  
Y-11

37-38  
Y-12

39-40  
Y-13

41-42  
Y-14

43-44  
Y-15

45-46  
spare

47-48  
Y-16

49-50  
Y-17

51-52  
Y-18

53-54  
Y-19

55-56  
Y-20

57-58  
Y-21

59-60  
Y-22

~~Y-2~~  
61-62  
Y-23

63-64  
Y-24

65-66  
spare

67-68  
spare

69-70  
spare