

Narrow and Dual Guage

Electrical

- 1. Narrow and Dual Guage Lay-out
- 2. Block Diagram Loco Control
- 3. Block Diagram Turn-out Control
- 4. Block Diagram Indicator Circuits

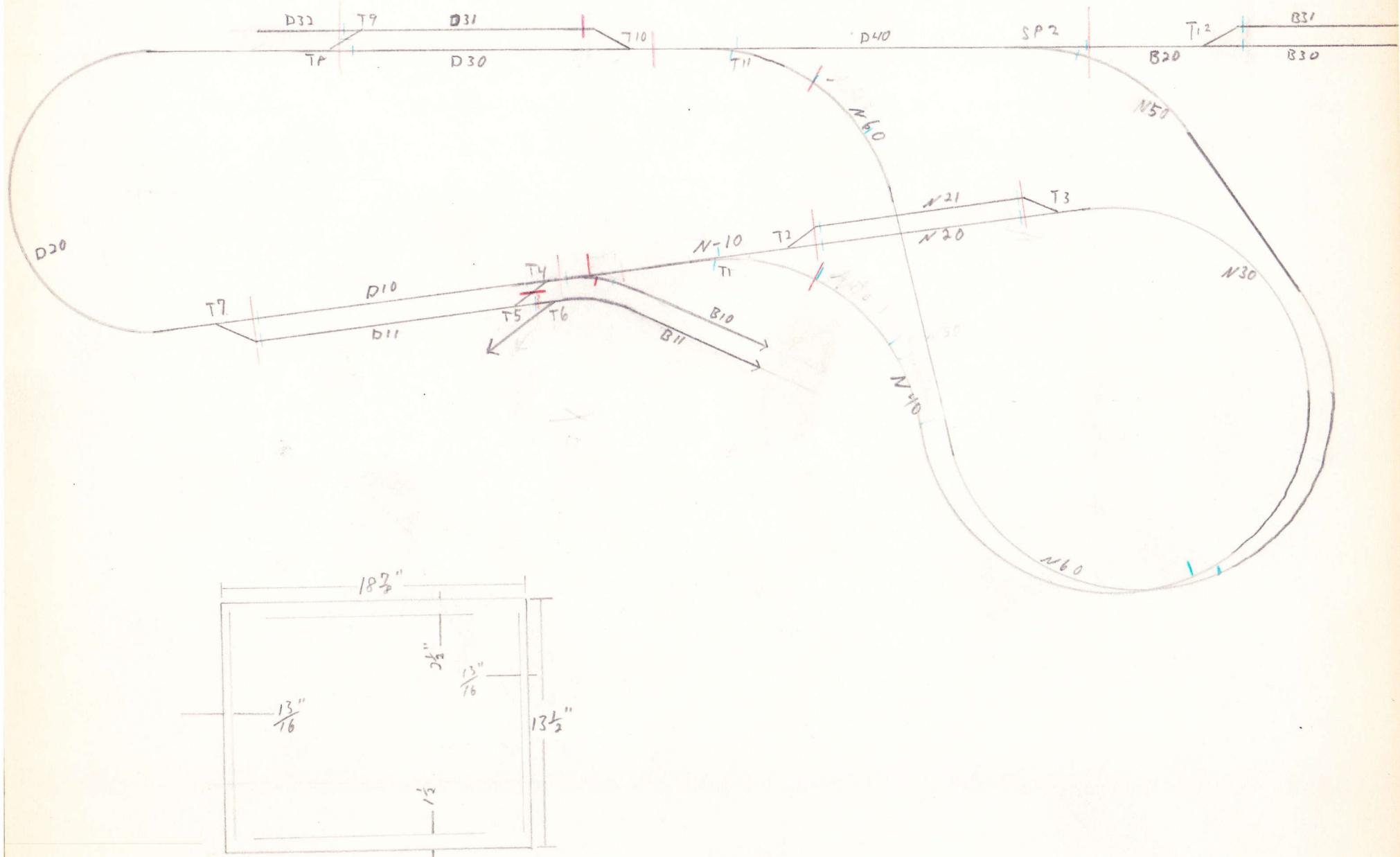
- 1. Interconnect Power Supplies to TB1
- 2. Interconnect TAT IV Amp. Meter SMD SD to TB2
- 3. Interconnect SAM to TB3
- 4. Interconnect STO to TB4
- 5. Interconnect SP to TB5 TB6
- 6. Interconnect D-2 to TB7 TB8 TB9 TB10
- 7. Interconnect IBO to TB9
- 8. Interconnect SBsp to TB11
- 9. Interconnect K-1 K-2 to TB12
- 10. Interconnect ITO to TB13
- 11. Interconnect ISB to TB14

- 1. Interconnect TOM1 to TT1
Interconnect TBSP1 TBSP2 to Rail
- 2. Interconnect TOM2-10 to TT2-10
- 3. Interconnect TOM11 to TT11

- 1. Interconnect TB4 TB12
- 2. Interconnect TB5 TB7 TB8 TB10
- 3. Interconnect TB11
- 4. Interconnect TB13

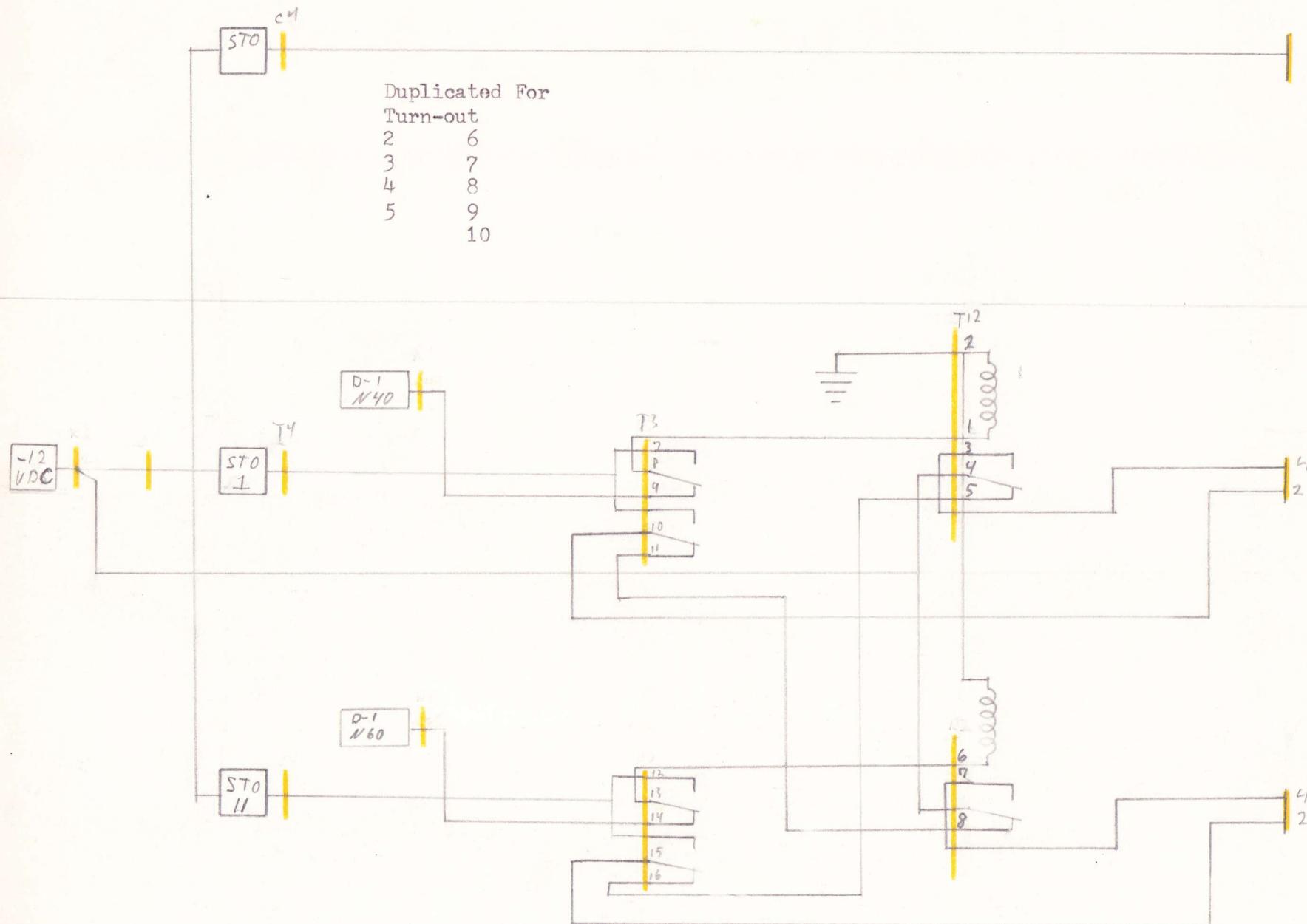
- 1. Track Block N20 N21 N30
- 2. Track Block N10 N40
- 3. Track Block B10 B11 D10 D11 D20
- 4. Track Block D20 D30 D31
- 5. Track Block D40 N50 N60

D-2	Tri-Delt Detector Circuit
IPO	Indicator Block Occupation
ISB	Indicator Selected Block
ITO	Indicator Turn-out
SAD	Switch Automatic Direction
SAM	Switch Automatic / Manual
SB	Switch Block Control
SD	Switch Direction N40 N60
SMD	Switch Master Direction
SP	Separator Dual to Narrow Standard
STO	Switch Turn-out Control
TB	Terminal Board
TOM	Turn-out Machine

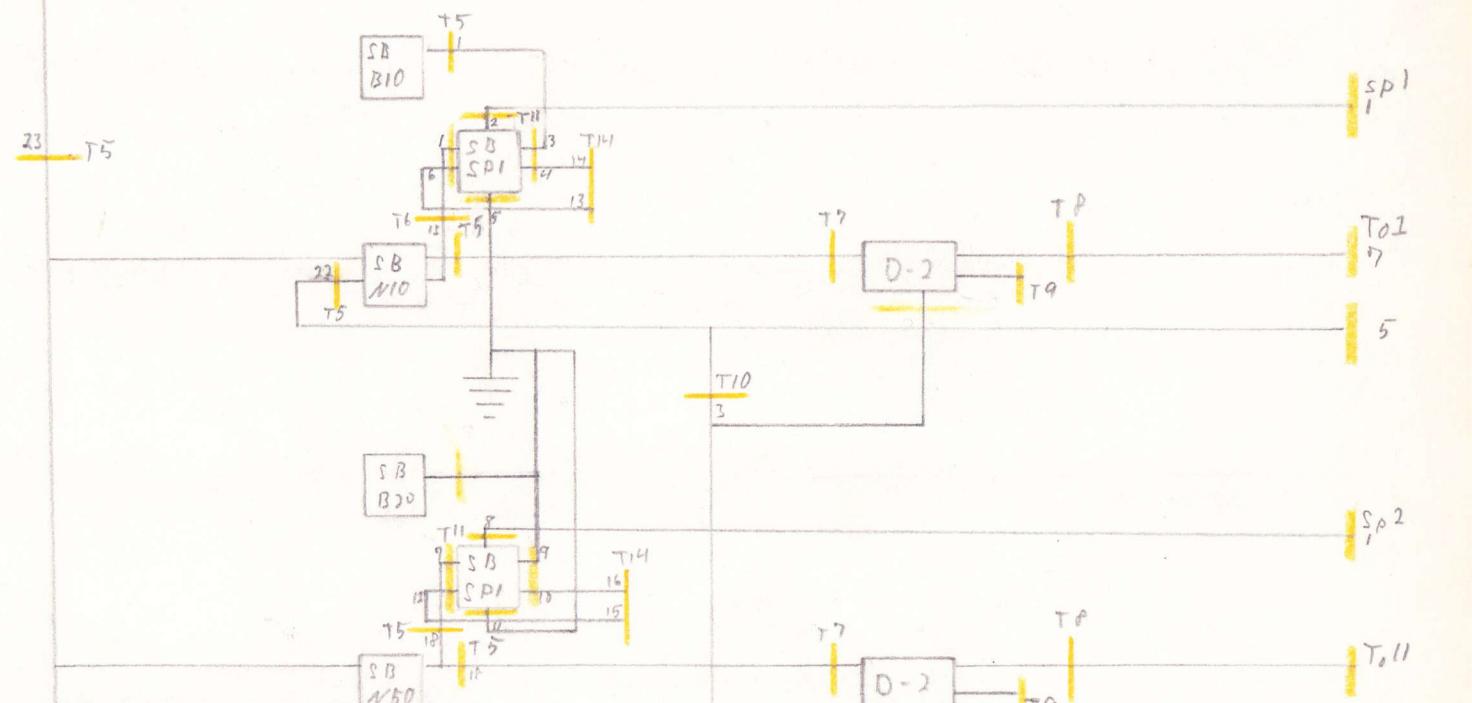
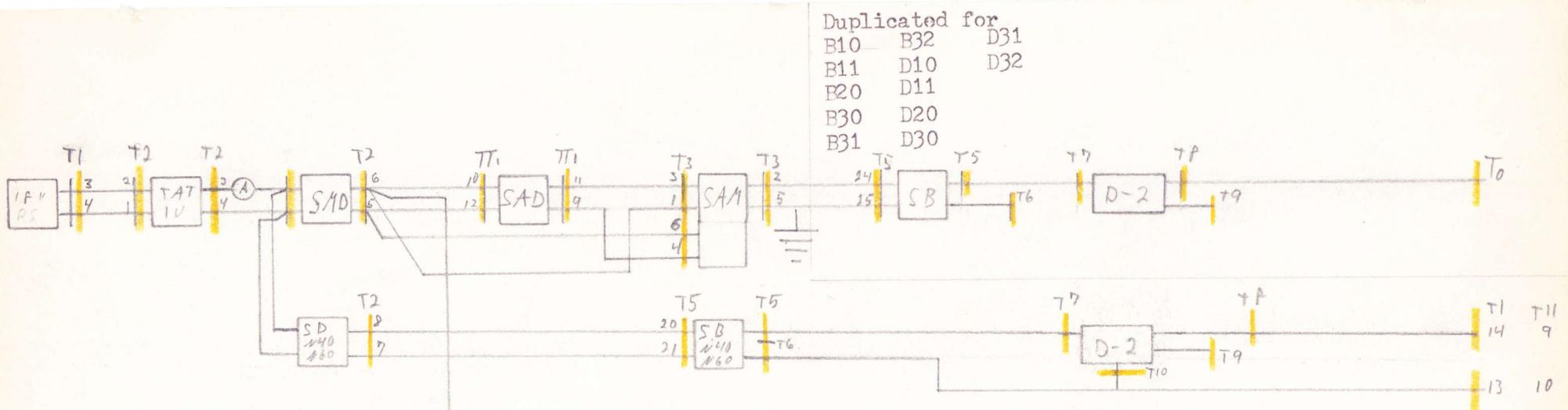


Trackage Diagram Narrow & Dual Gauge Div.





Block Diagram Turn-out Control

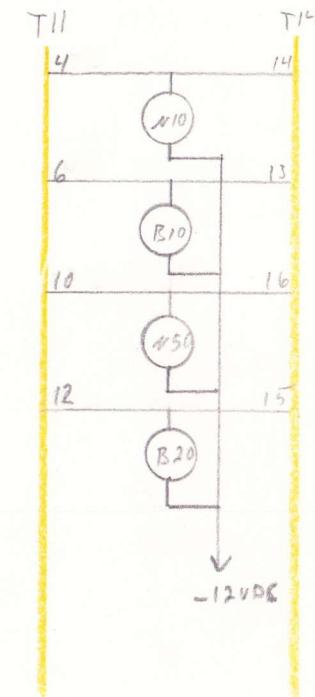
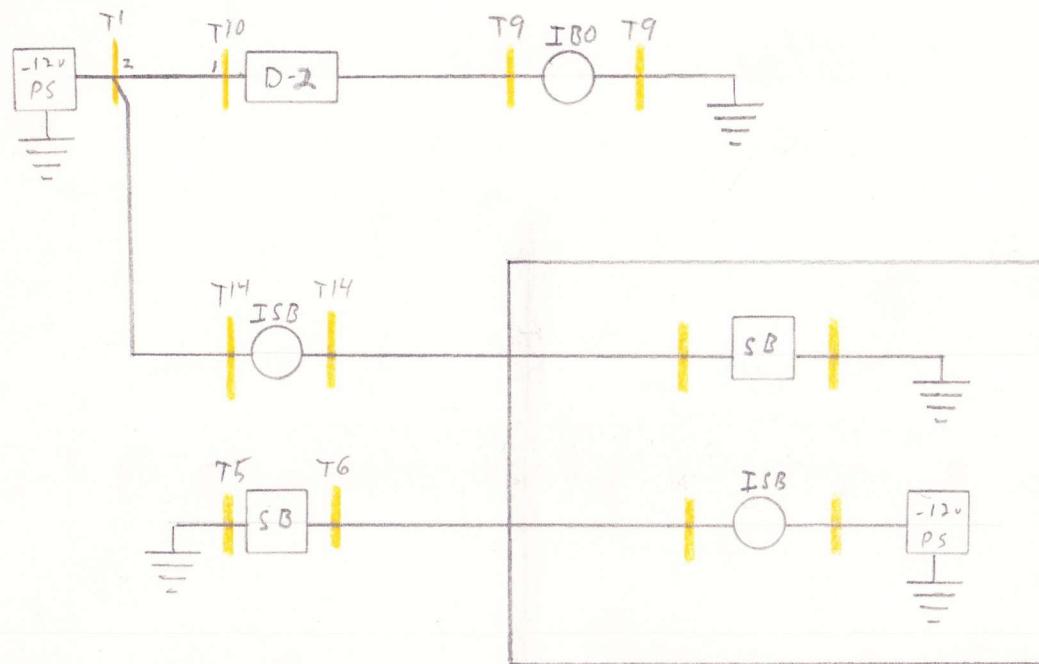


Duplicated for

N20 N30
N21 D40

SB
T5
T6
D40 Only

Block Diagram Loco Control

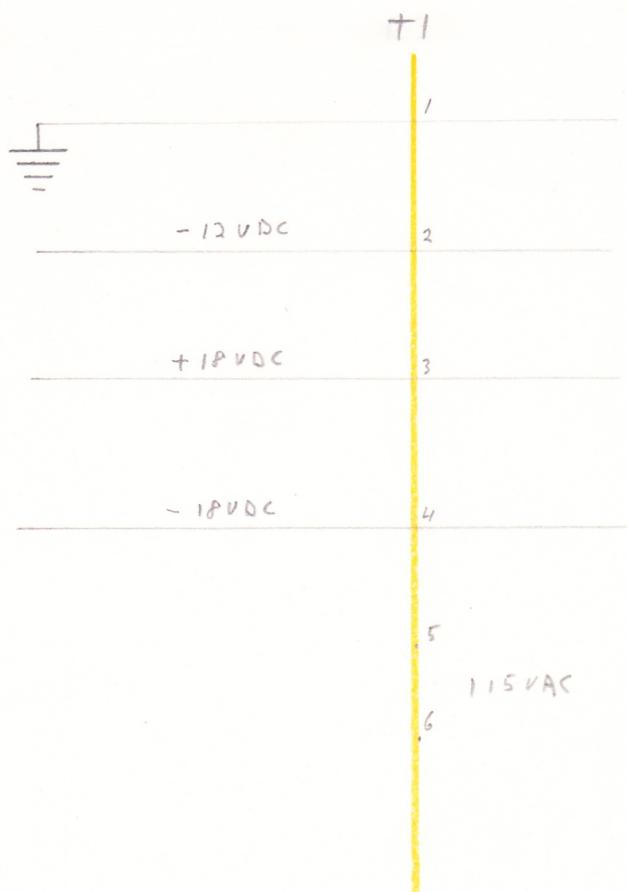


Interconnect

Power Supplies

to

TB 1

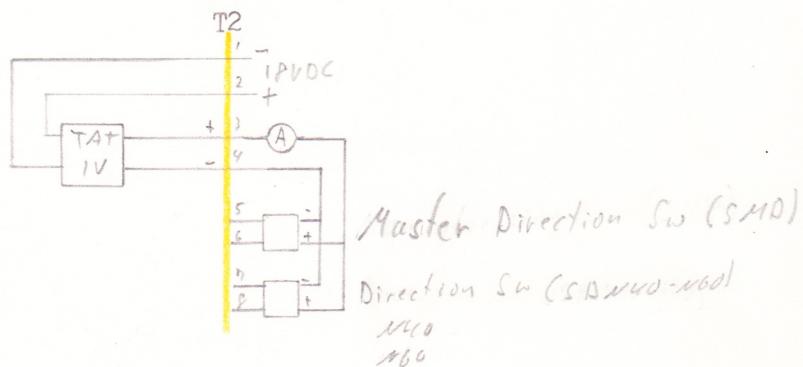


Interconnect

TAT IV
Amp Meter
SMD
SD

to

T2

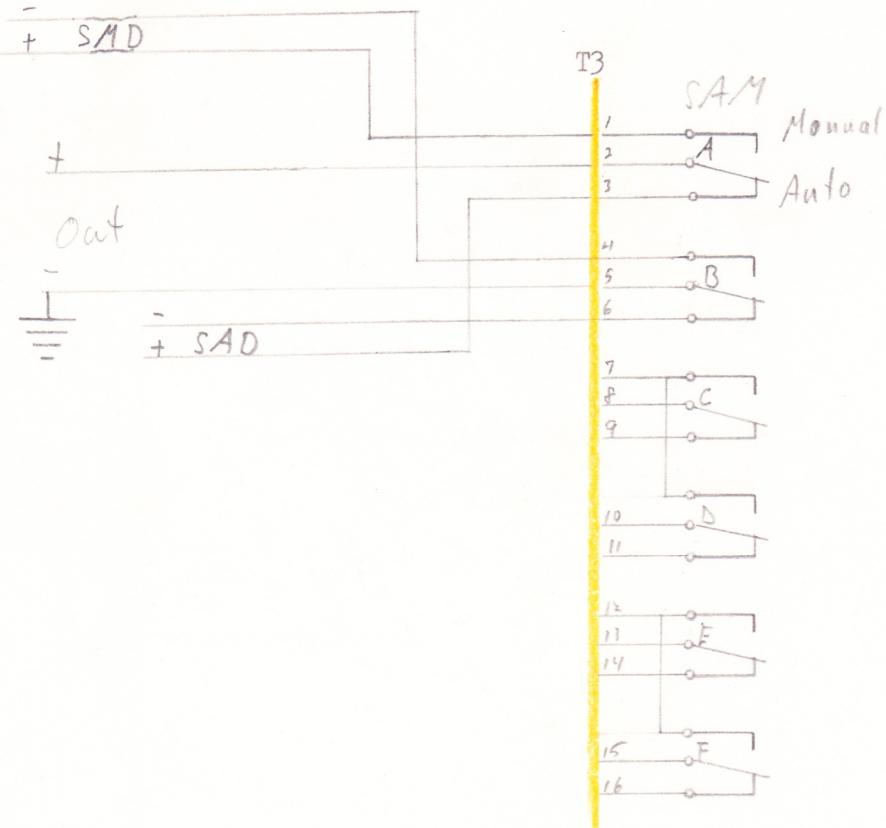


TDC2 3

Auto / Manual

Interconnect
SAM to

T3



TB4

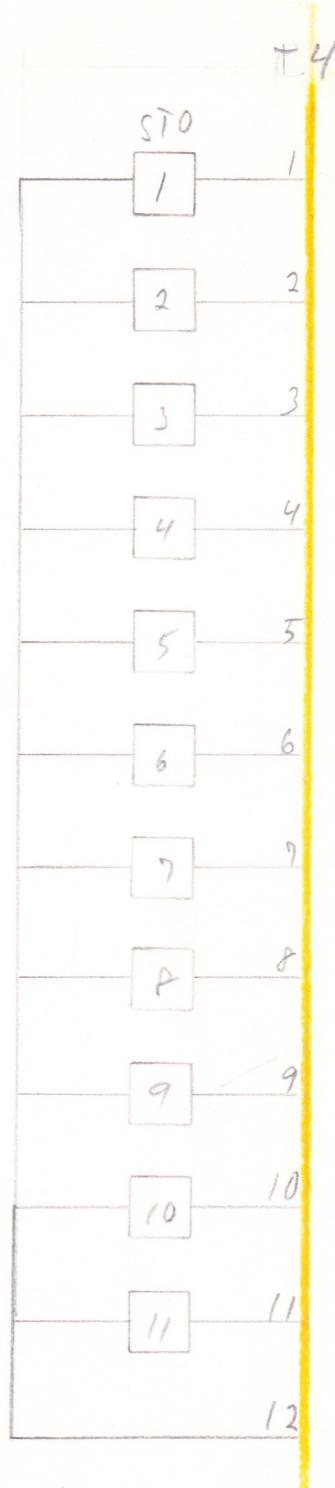
Tan 4

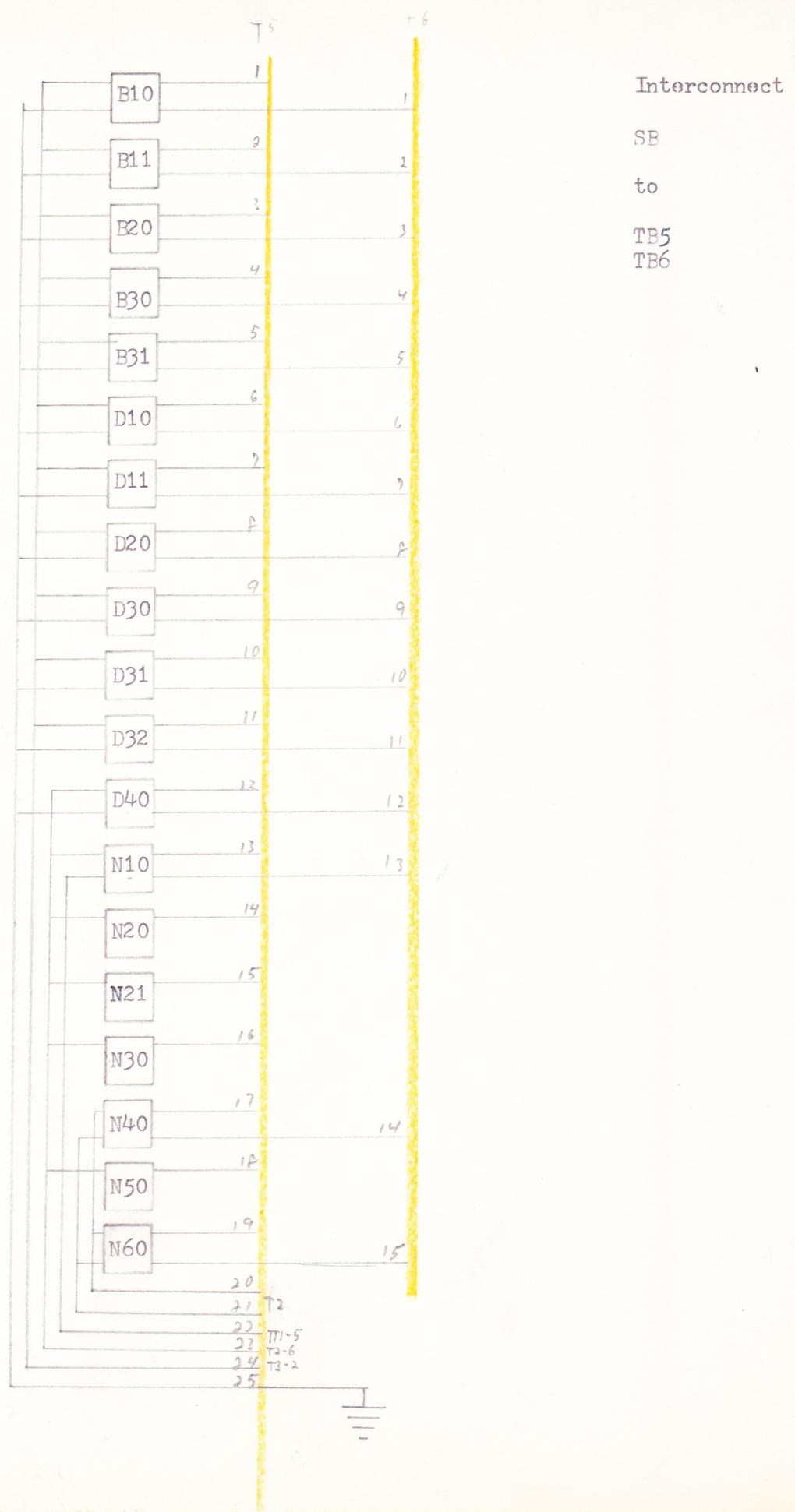
Interconnect

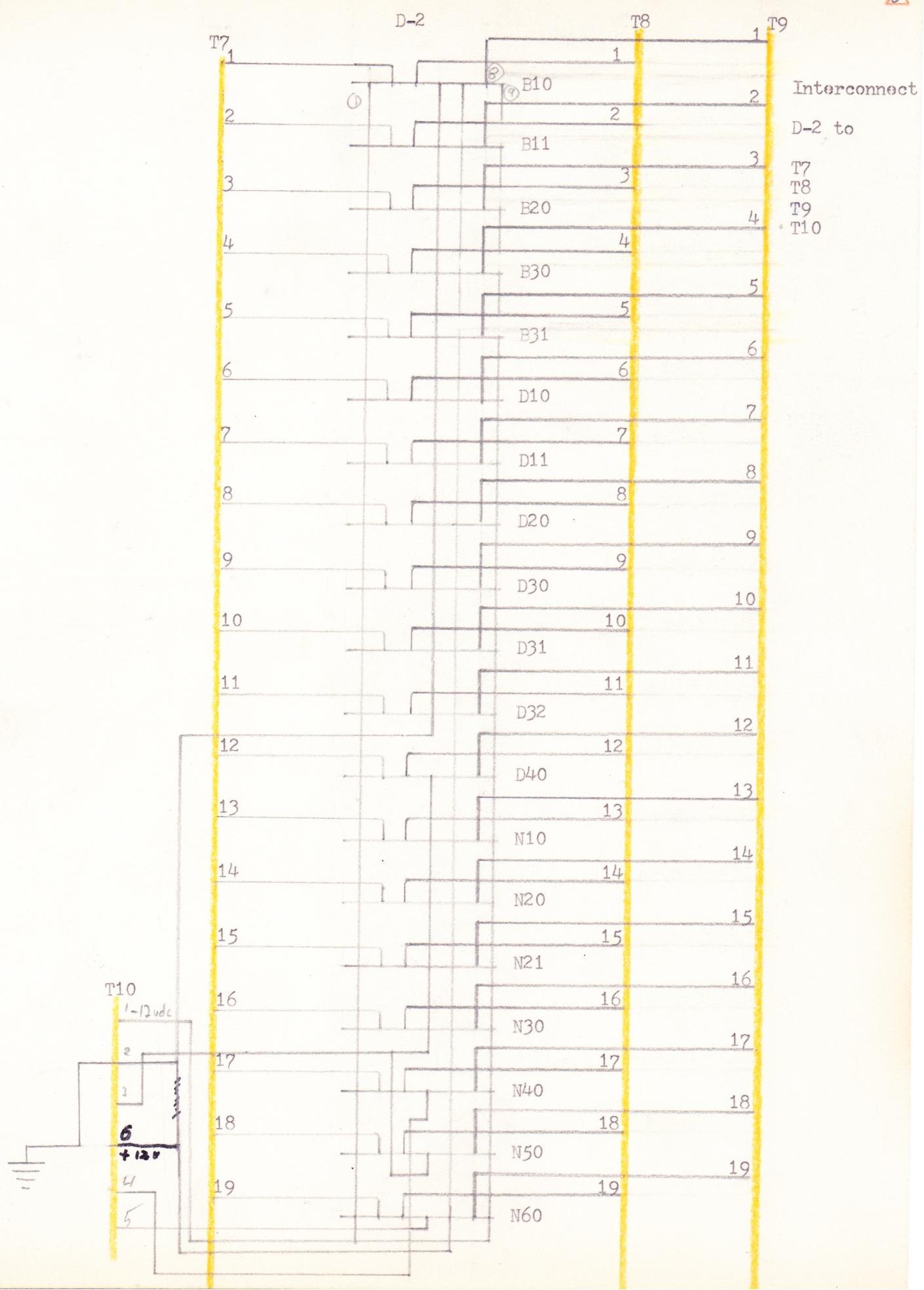
STO

to

TB4







7

Block

Interconnect

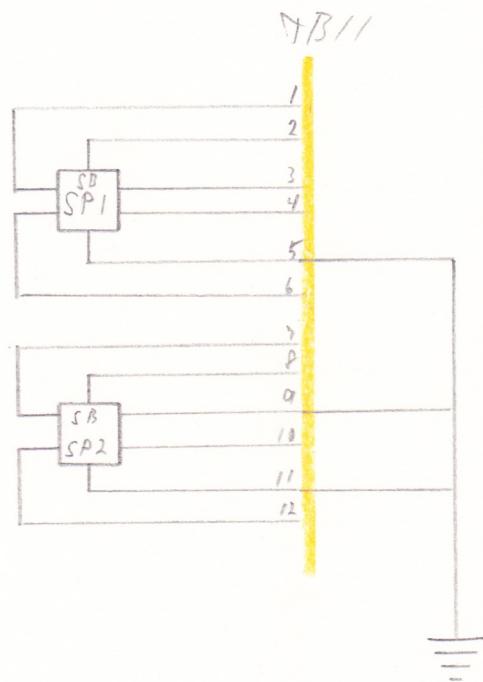
IBO

to

TB9



Interconnect
SBSp
to
TB11



T12

9

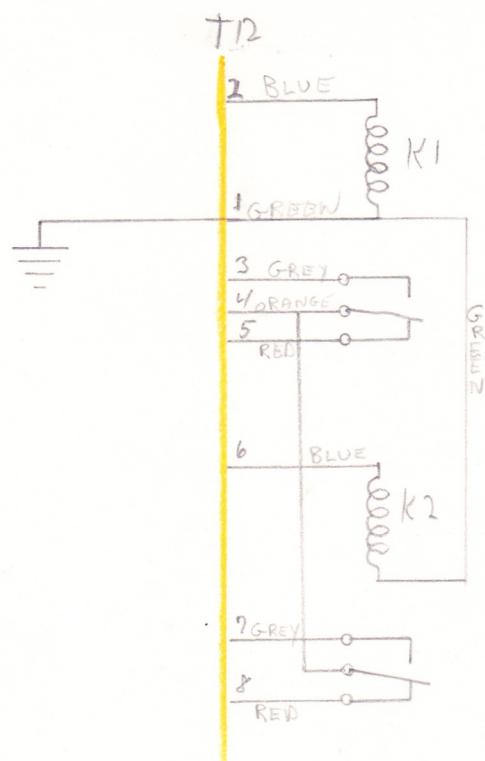
Interconnect

K-1

K-2

to

TB12



7072 10

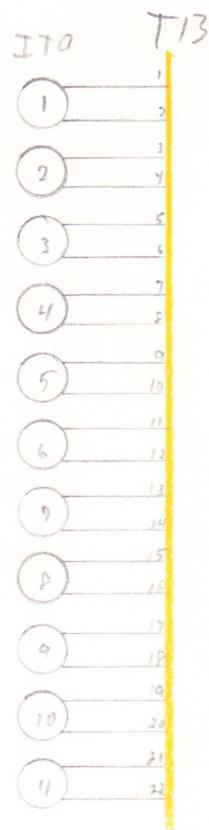
Transistors

Interconnect

ITO

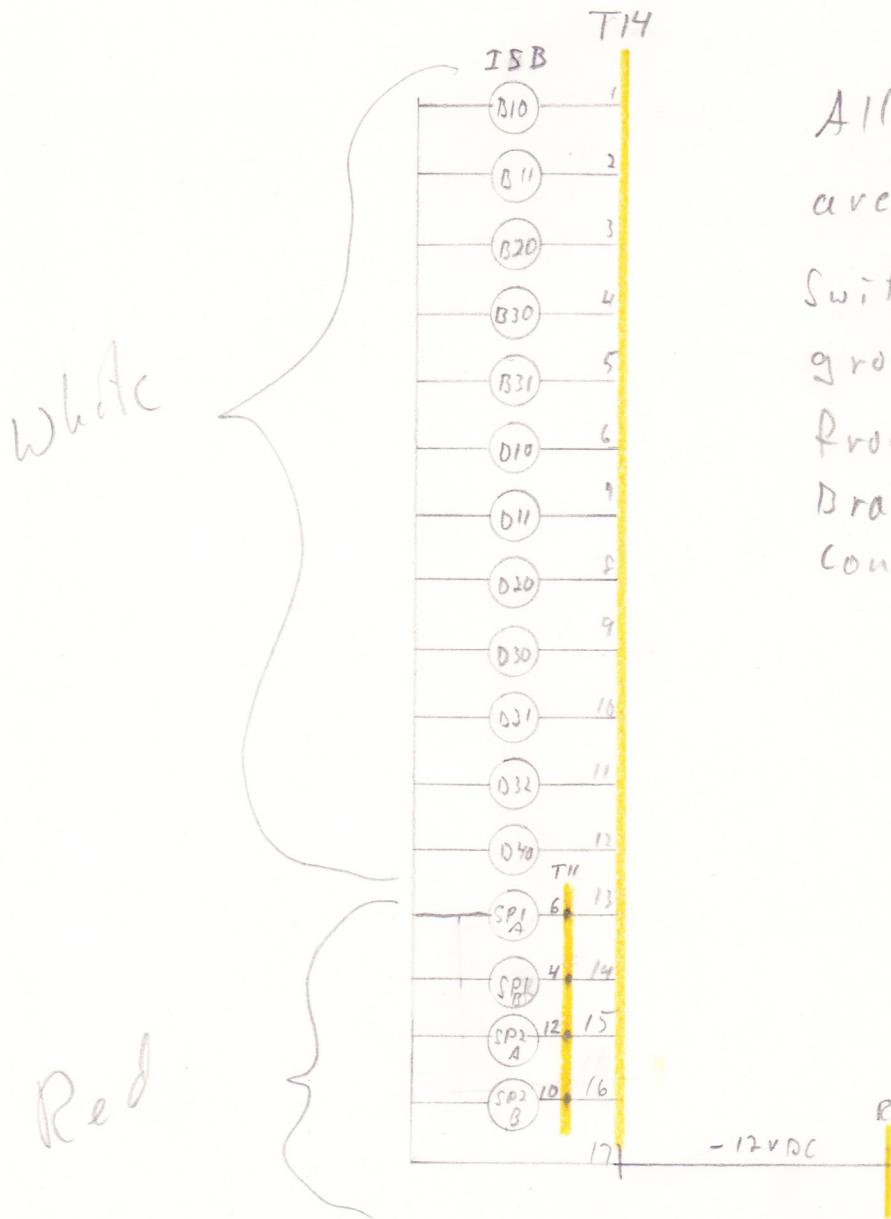
to

TB 13



Red

TP46
Block
Selected
Interconnect
ISB
to
TB14



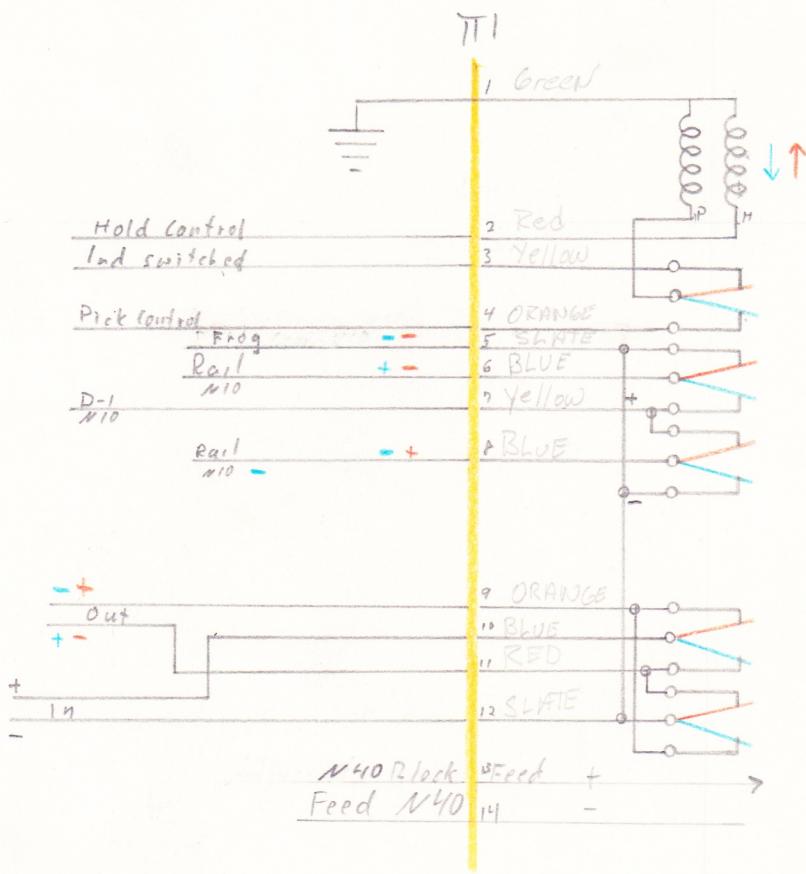
All inputs
are a
switched
ground
from
Branch Line
Control Panel

Interconnect

TOM 1

to

TT 1



TB SP1

TB SP2

ISP2

2 N50

3 B20

4 B20

5 B31

Feed

Point

TB

ISP1

2 B10

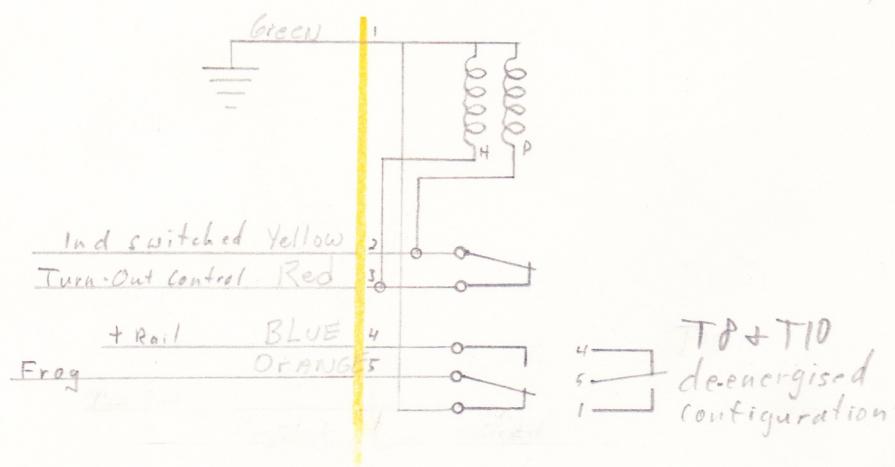
Interconnect

TOM 2 - 10

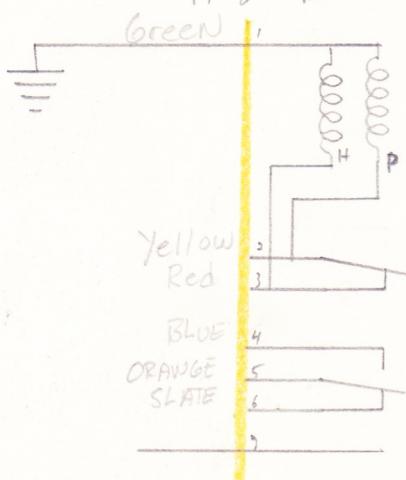
to

TT 2 - 10

$\pi_4 - \pi_{10}$



$\pi_2 + \pi_3$

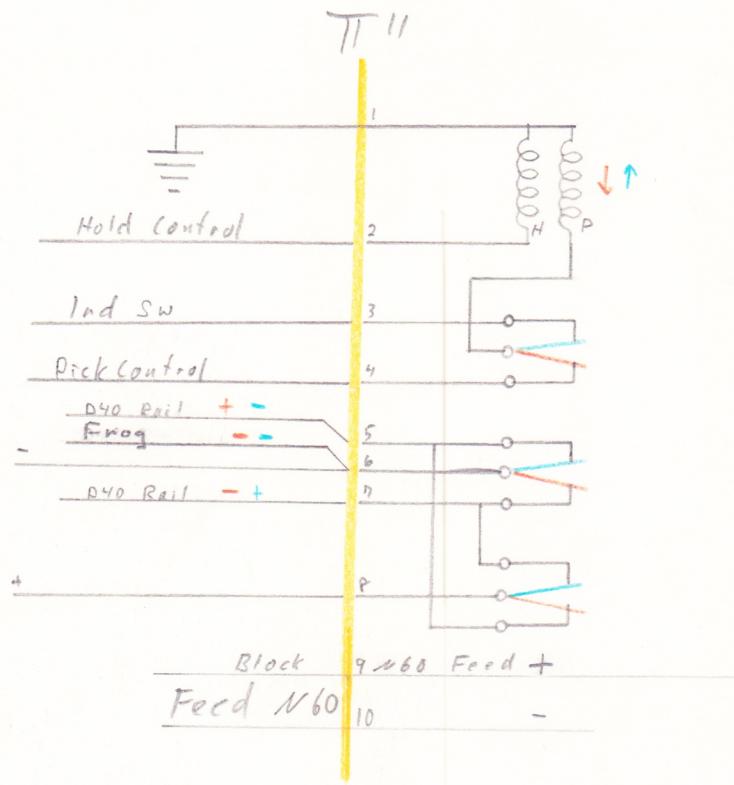


Interconnect

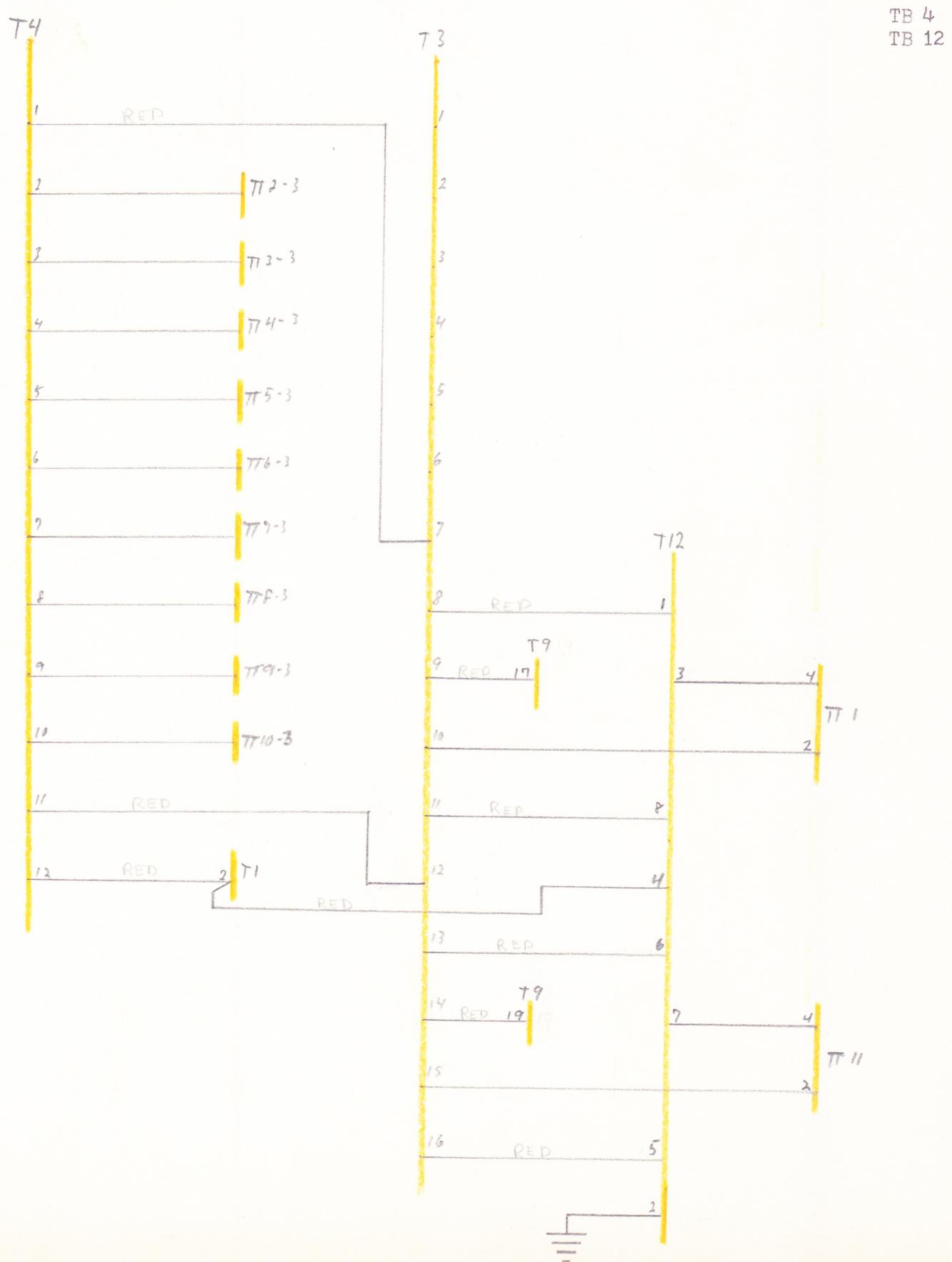
TOM 11

to

TT 11



Interconnect

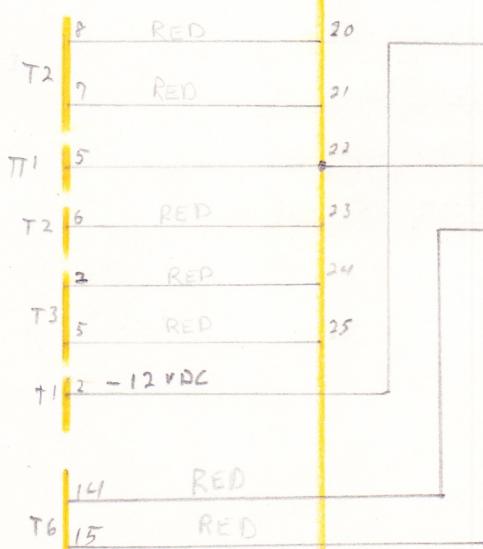


T5

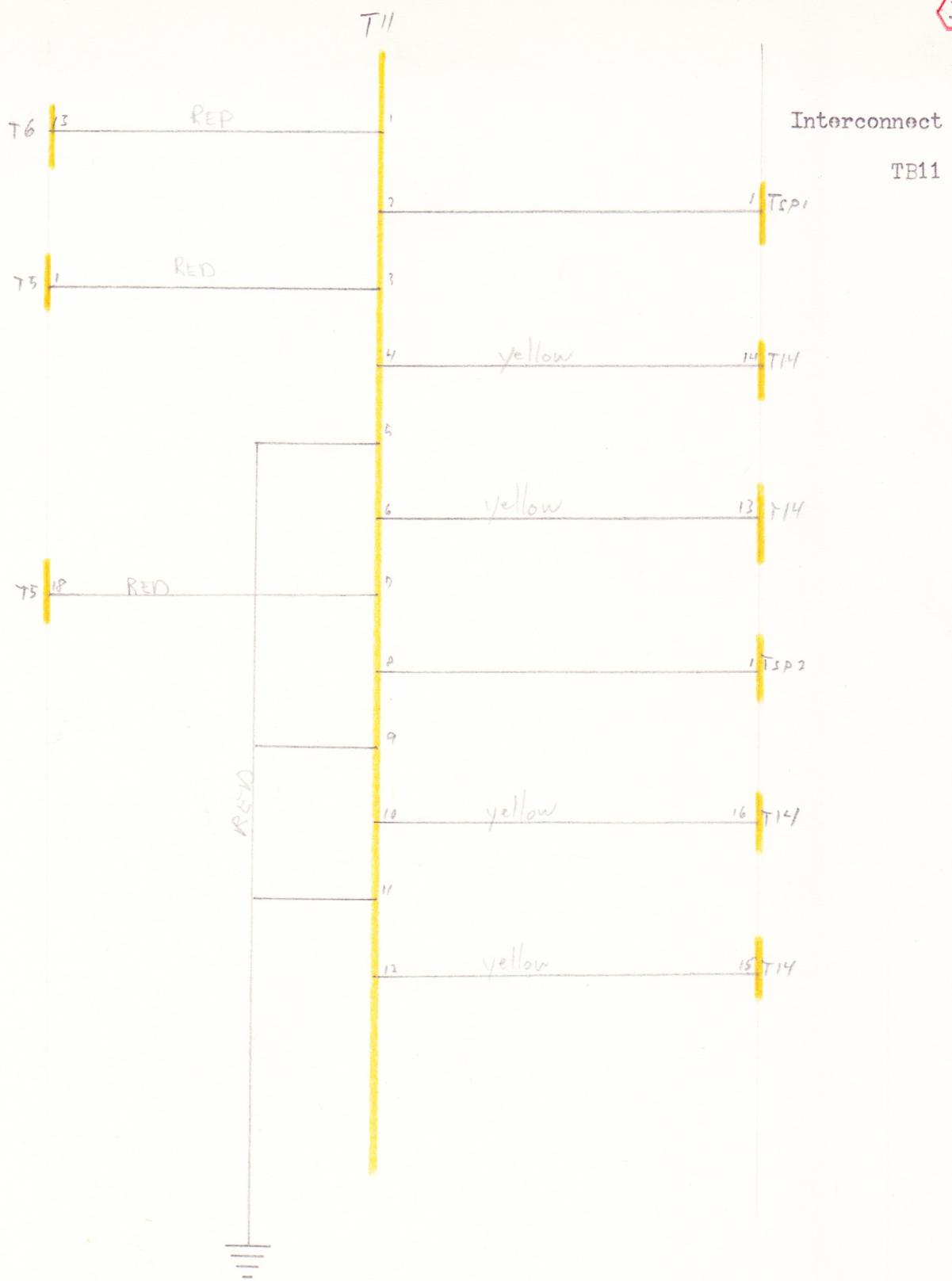
T7

T8

- | | |
|----|----|
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |



1	B10	SP1-2
2	B11	T07B6-4 Interconnect
3	B20	SP2-3 TB5
4	B30	SP2-4 TB7
5	B31	SP2-5 TB8
6	D10 Blue	T07B4-4
7	D11 Blue	T07B5-4
8	D20	T07B7-4
9	D30	T07B10-4
10	D31	T07B9-4
11	D32	→ D32
12	D40	T07B11-8
13	N10	T07B1-7
14	N20	T07B2-7
15	N21	T07B3-7
16	N30	T07B3-4
17	N40	T07B1-14
18	N50	SP2-2
19	N60	T07B11-9

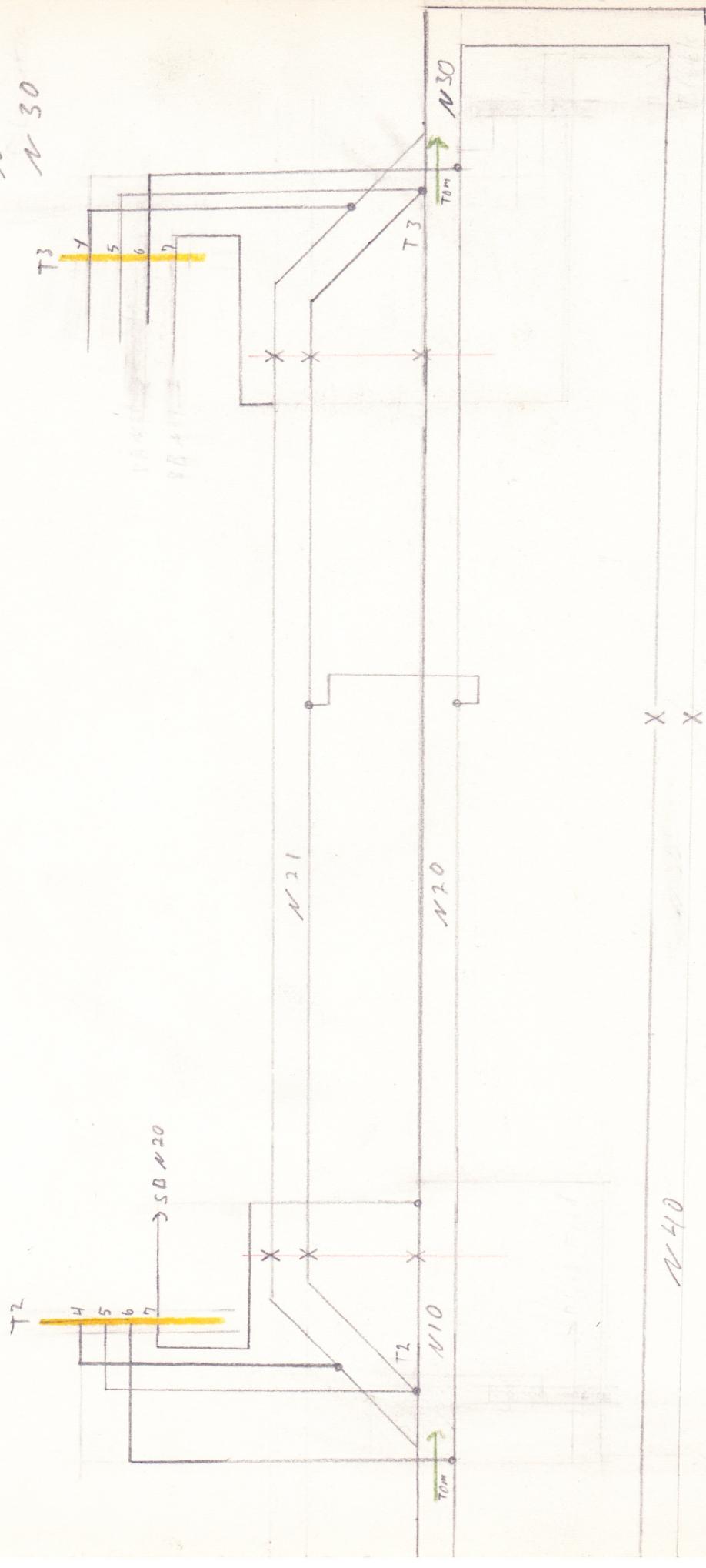


Interconnect

TB 13

T13		T4	
1	ORANGE	1	T12-3
2		2	T11-3
3	ORANGE	3	T12-2
4		4	T13-2
5	ORANGE	5	T14-2
6		6	T15-2
7	ORANGE	7	T16-2
8		8	T17-2
9	ORANGE	9	T18-2
10		10	T19-2
11	ORANGE		T10-2
12			T12-7
13	ORANGE		T11-3
14			
15	ORANGE		
16			
17	ORANGE		
18			
19	ORANGE		
20			
21	ORANGE		
22			

N 20
N 21
N 30



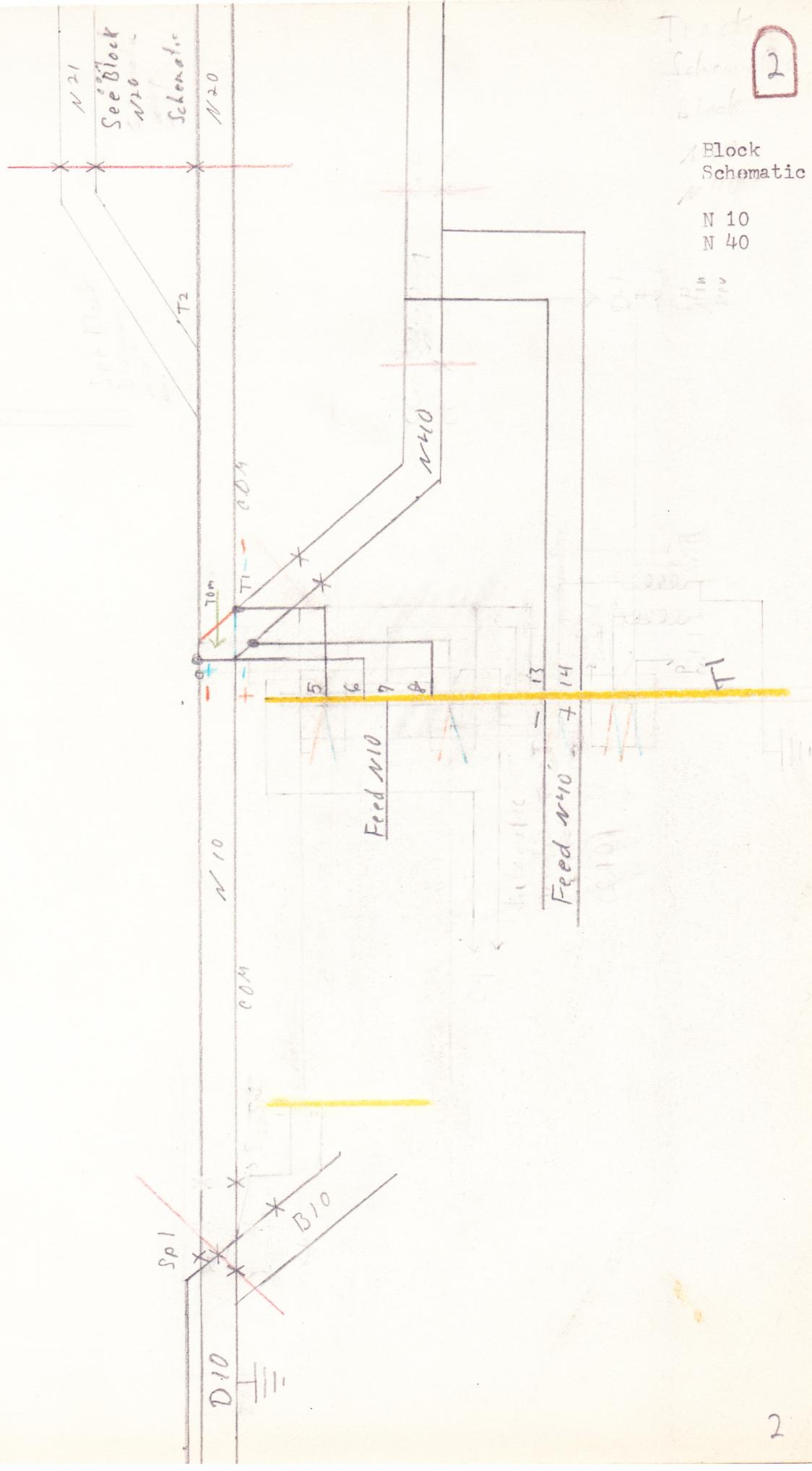
Block
Schematic

N 20
N 21
N 30

1

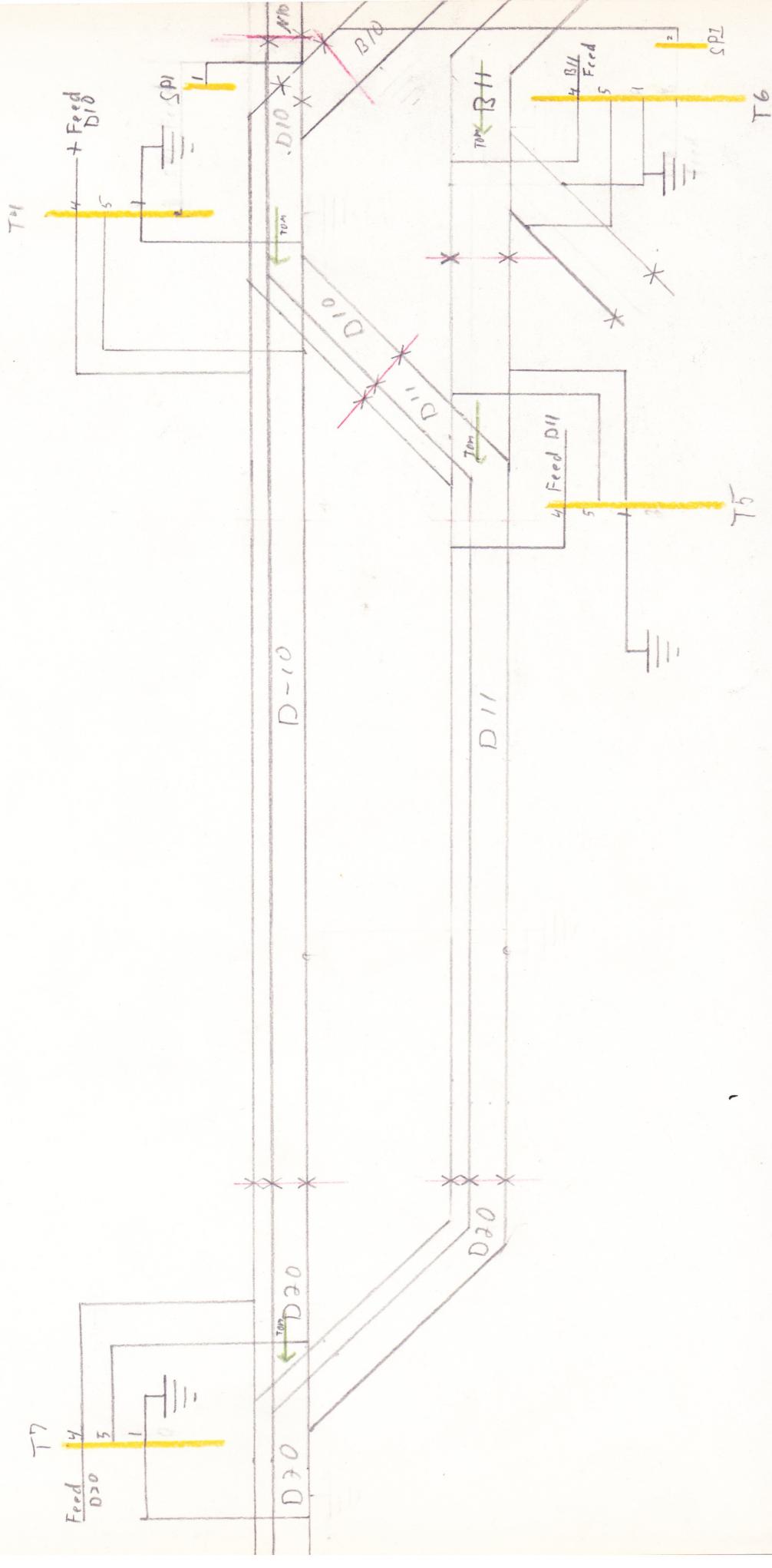
N 10

N 10



D10

D11



Block Schematic

B 10

B 11

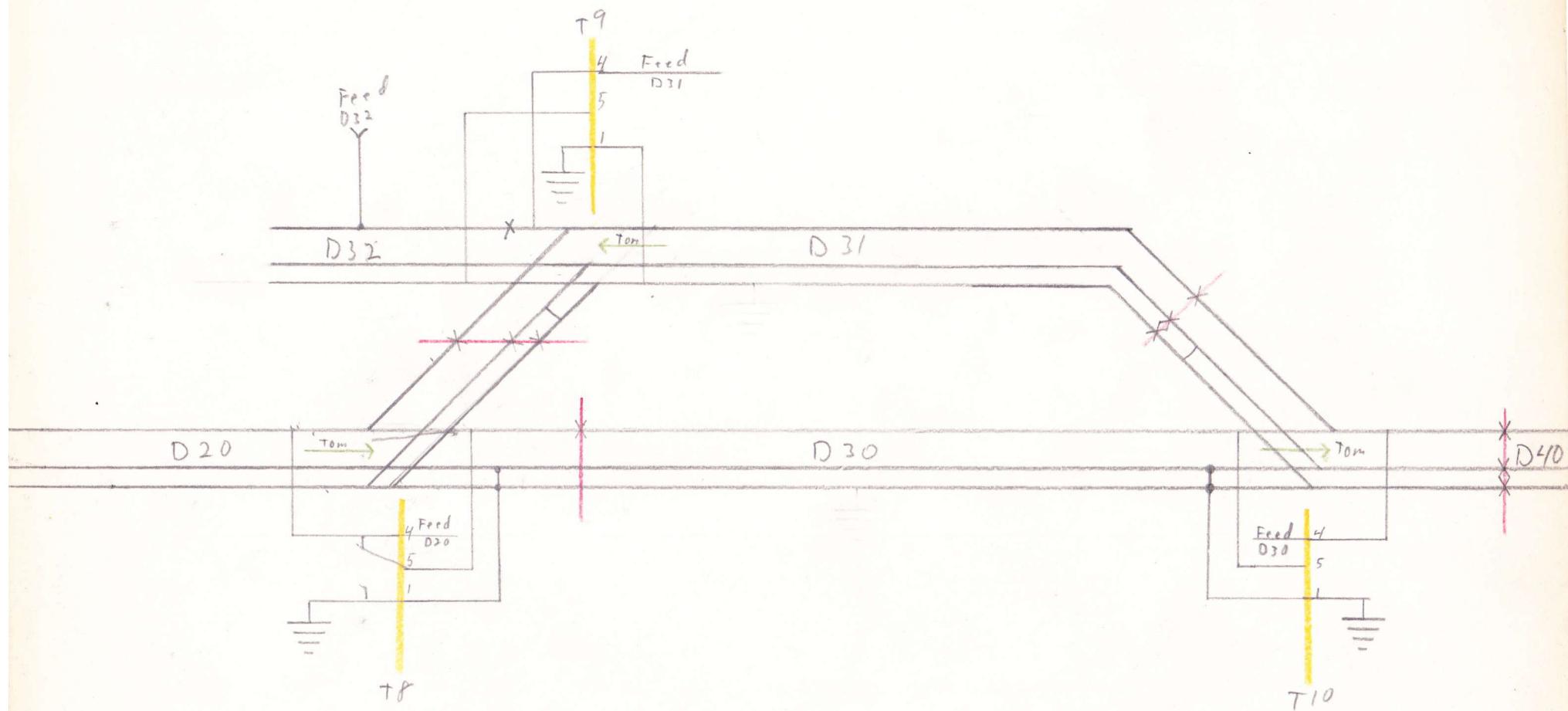
D 10

D 11

D 20

3

3



Block Schematic Block D30 D20
D31

4

Task
Schematic

5

Block
Schematic

D 40
N 50
N 60

