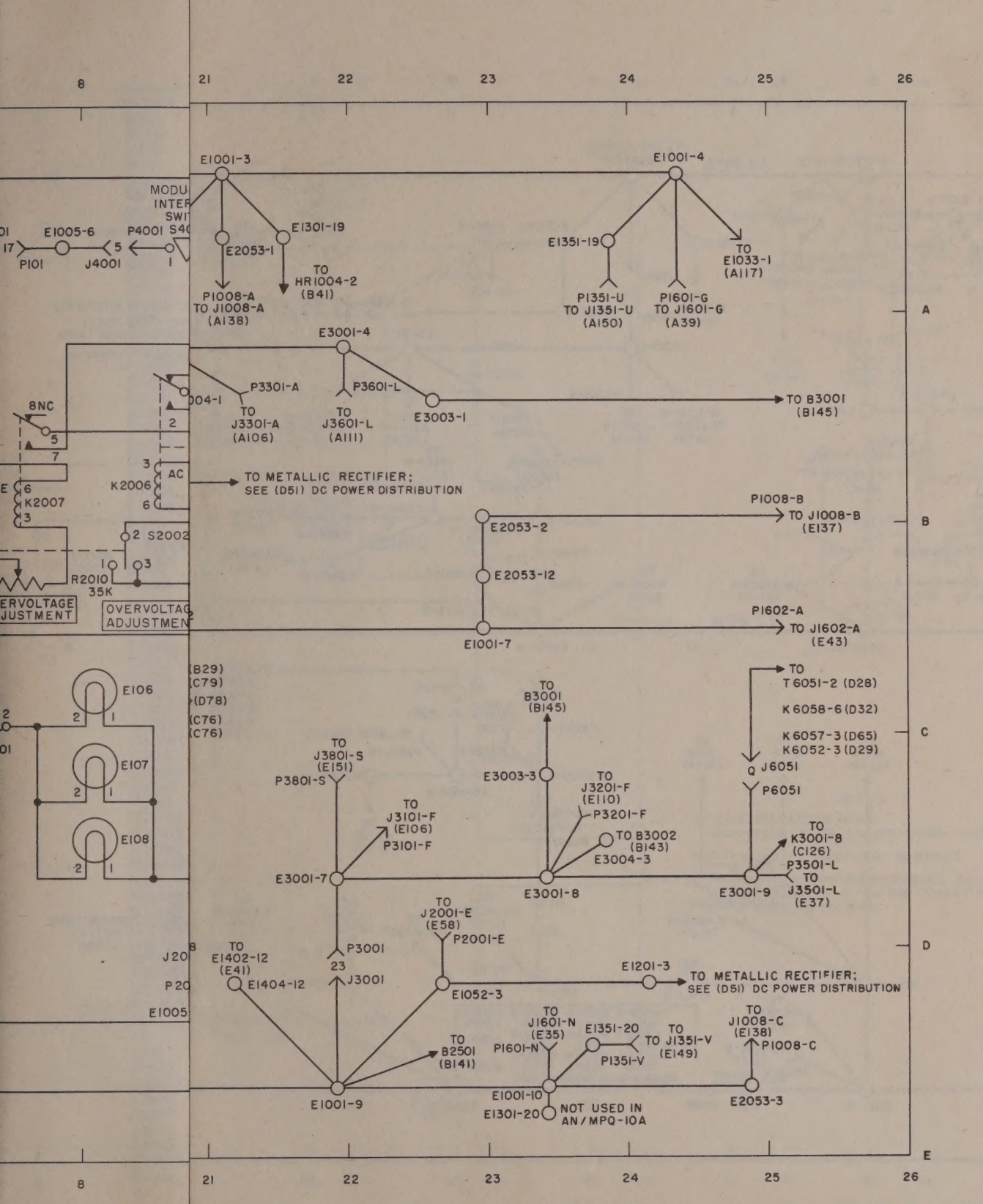


TM1503-C2-1 (1)

394349 O - 56 (In pocket)

Reference designation	Coordinate location
B101	B133
B102	B134
B103	B136
B201	B152
B202	D152
B203	A152
B1001	B139
B1002	B138
B1301	E150
B1355	C150
B1356	D150
B1359	C150
B1360	B150
B2051	B141
B3001	B144
B3002	B143
B3801	G152
B3802	B152
B4001	A93
B4002	A96
B5001	C73
B5501	B66
B5503	B66
B5505	B65
B5506	B64
C2002	C6
E106	C9
E107	D9
E108	D9
E205	E152
E1060	C131
E1301	B149
E1302	B150
E1303	B153
E3808	C152
E5251	B27
E5252	C29
E5253	C79
E5254	A77
E5255	B75
E5256	C76
E5561	B63
E5562	B60
E5563	B62
F5101	E74
H R101	C116
H R103	E115
H R301	C116
H R1003	B121
H R1004	B41
H R1351	B124
H R1401	C41
H R3001	C129
H R3002	C129
H R4001	C95
H R4002	C94
H R5002	D3
H R5003	D2
J6	B1
J7	B2
J104	B112
J1034	C118
J1035	D6
J1036	D6
J3002	C125
J4002	C96
J5002	C1
J5003	C2
J5004	D5
K1	A2
K2	B133
K3	C56
K4	C57
K101	D12
K102	E146
K103	E147
K511	D34
K512	D33
K513	B114
K1030	C120
K1031	D6
K1531	D51
K1532	D61
K1533	D62
K1534	D61
K1535	D54
K1536	D63
K1541	D60
K1542	D64
K1543	D59
K1544	D30
K1609	C46
K1610	C40
K1611	C39
K1612	E36
K1613	D44
K2005	D59
K2006	B9
K2007	B8
K3001	C126
K3301	C106
K3311	B106
K3312	B107
K3313	B107
K3521	C96
K4001	B91
K4108	A90
K4109	E87
K4110	C90
K4111	C91
K4205	D86
K4206	C85
K4207	C88
K5001	D5
K5002	D2
K5125	D77
K5126	D76
K5301	A51
K5316	B52
K5318	A50
K5501	B59
K6057	C65
K6058	E32
M1032	C117
M4203	D81
M5251	D78
MG401	B147
R202	E153
R1303	A150
R1306	A150
R1307	A149
R2009	C7
R2010	C8
R2011	C9
R3833	C152
R4104	B91
R4210	D82
R4211	C82
R5253	C75
R5254	B76
R5502	B63
R5503	B60
R5504	B62
S1	C30
S2	A6
S101	C8
S102	B115
S301	C115
S1001	A10
S1002	C124
S1033	D30
S1034	B10
S1035	D122
S1036	D121
S1051	B130
S1401	D39
S1402	D40
S1403	C41
S1404	C123
S1602	D45
S2002	C9
S3001	B128
S3002	B128
S4001	D95
S4002	D94
S4003	A9
S4101	B100
S4201	D80
S4202	B82
S5001	D2
S5002	D3
S5252	B29
S5253	B79
S5254	B4
S5256	B37
S5258	D78
S5260	A80
S5261	B63
S5501	A56
S5502	A61
S5503	A55
S5504	B58
S6051	D32
T1302	D67
T1512	C67
T1603	E42
T1653	E43
T1701	C103
T3101	D106
T3102	D104
T3201	C109
T3235	C110
T3301	B109
T3302	B109
T3601	C111
T3602	C112
T4101	A92
T4102	C101
T4201	C82
T4203	C83
T5101	D74
T5102	D75
T5301	B51
T5302	B48
T5303	B49
T6051	E28
T6052	E29

Figure 363.1—Continued.

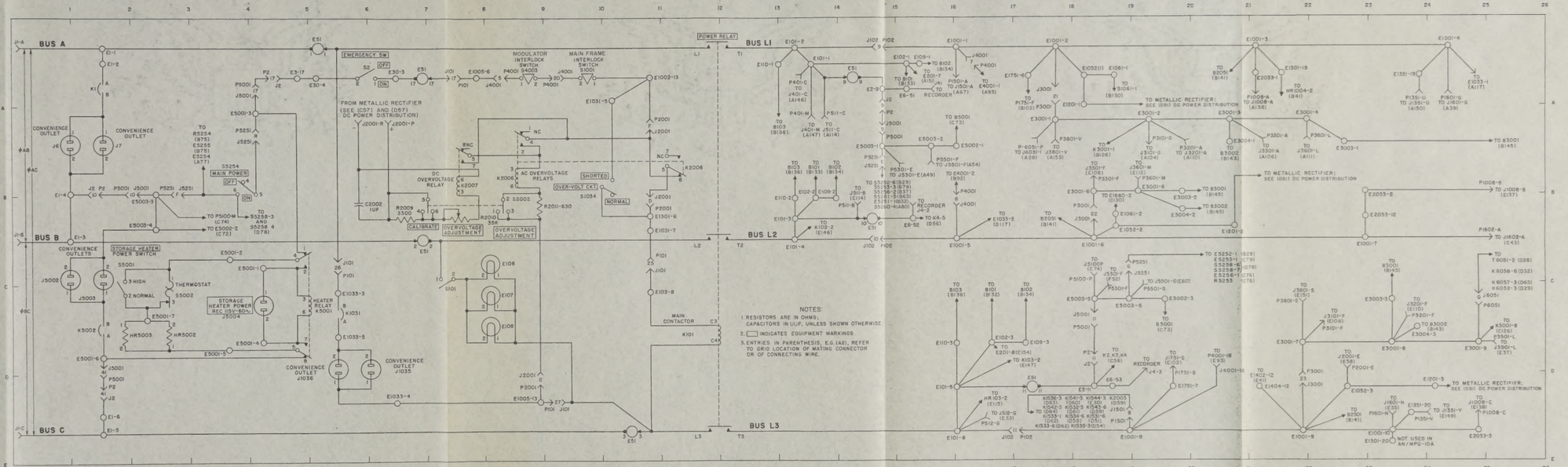
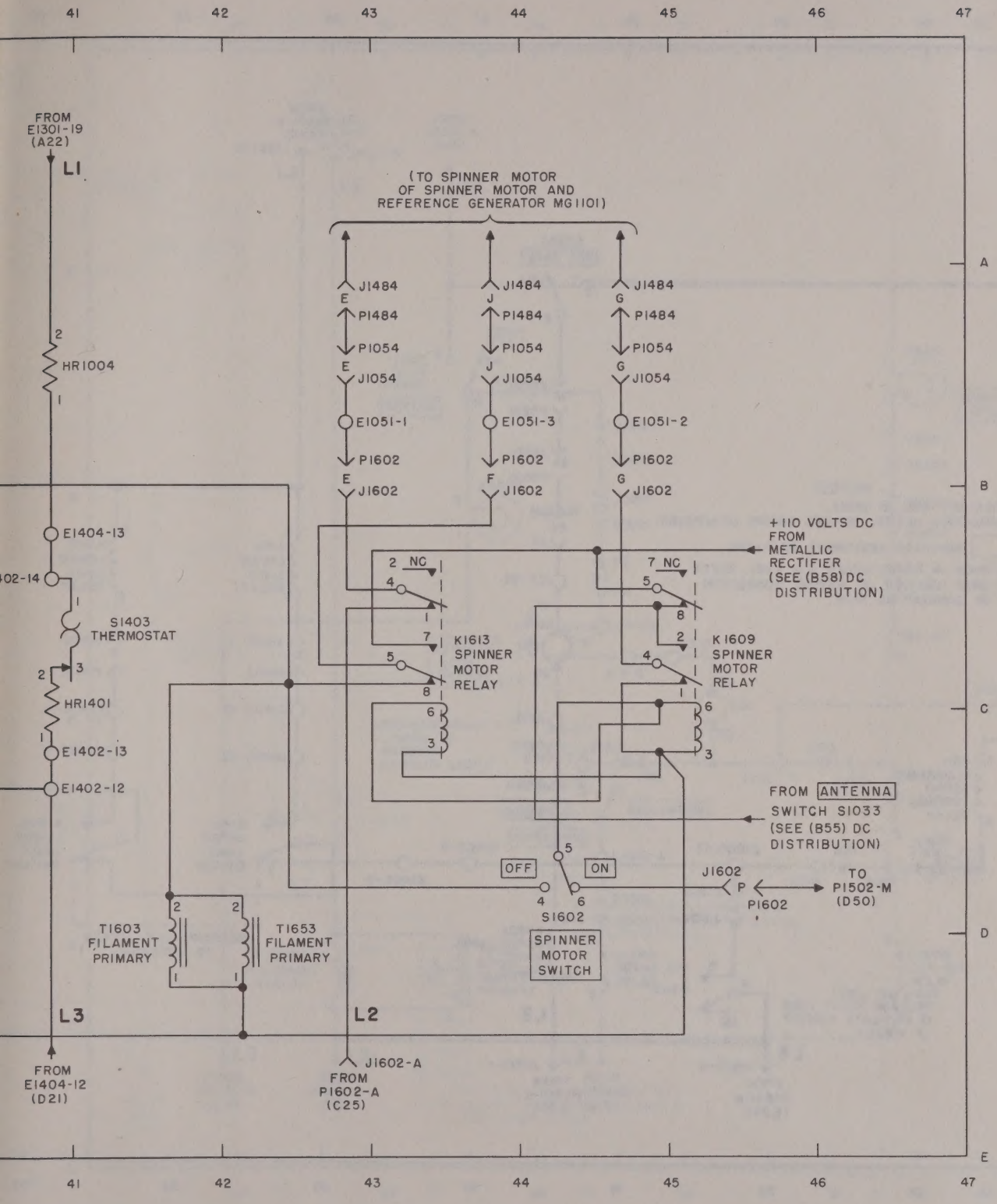


Figure 363.1. (Added) *Ac power distribution (AN/MPQ–10A), schematic diagram.*

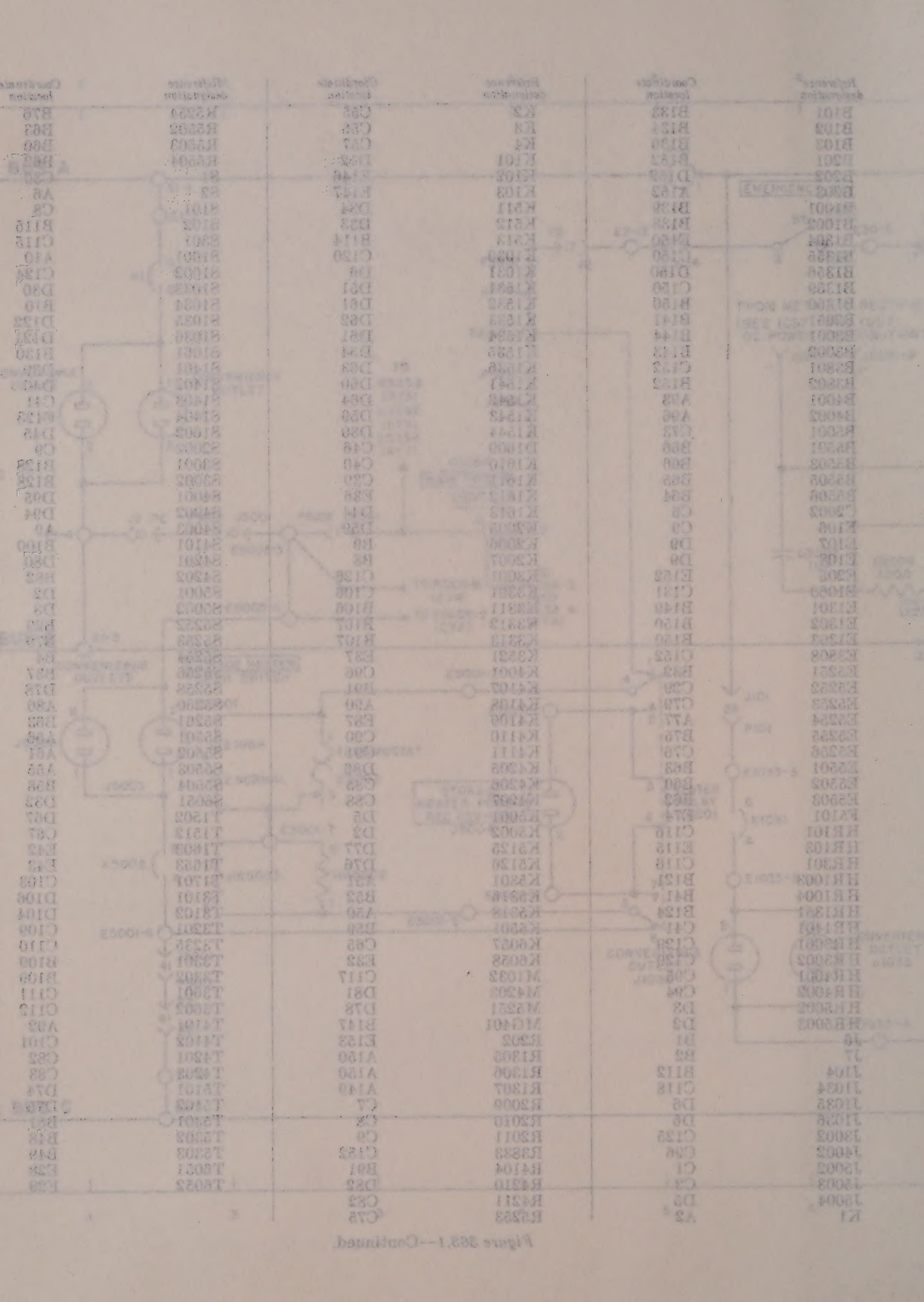
(Sheet 1 of 6)

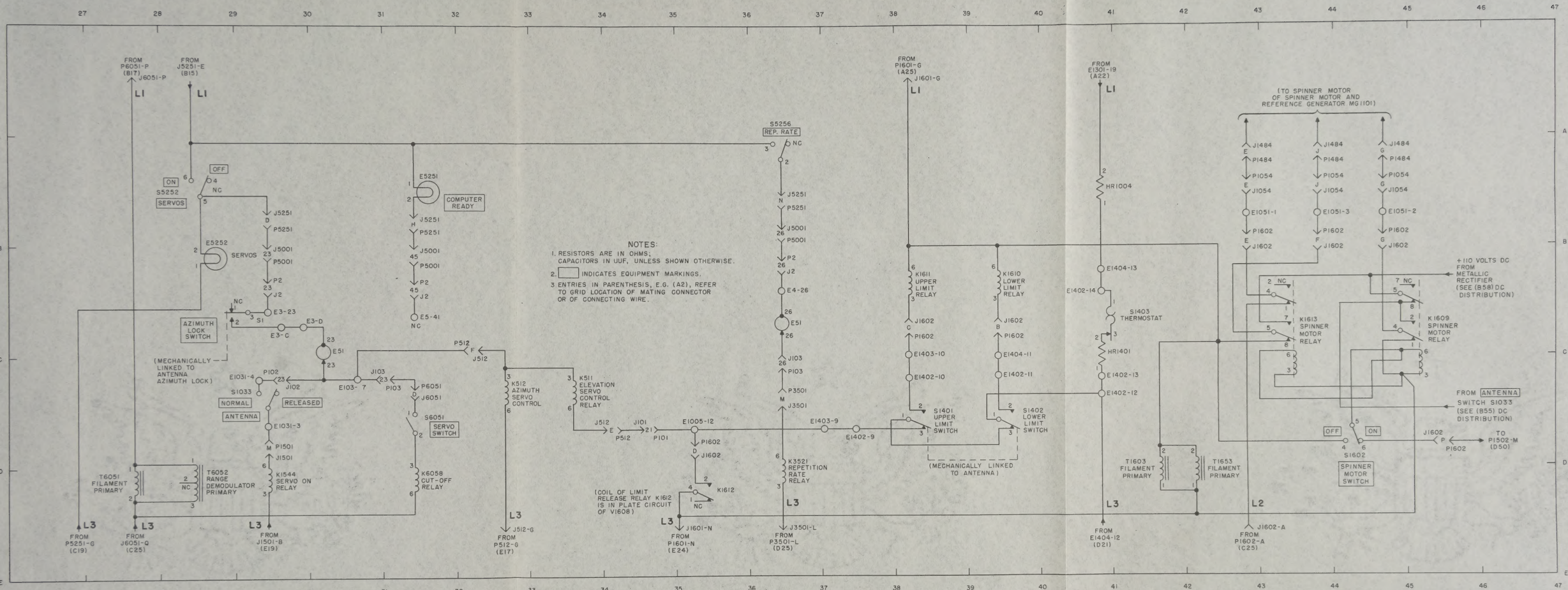
TM1503-CZ-1 ①

339349 O – 56 (In pocket)



394349 O - 56 (In pocket)





NOTES:

1. RESISTORS ARE IN OHMS; CAPACITORS IN UUF, UNLESS SHOWN OTHERWISE.
2. [ ] INDICATES EQUIPMENT MARKINGS.
3. ENTRIES IN PARENTHESIS, E.G. (A2), REFER TO GRID LOCATION OF MATING CONNECTOR OR OF CONNECTING WIRE.

Figure 363.1. (Added)—Continued.

(Sheet 2 of 6)

394349 O - 56 (In pocket)

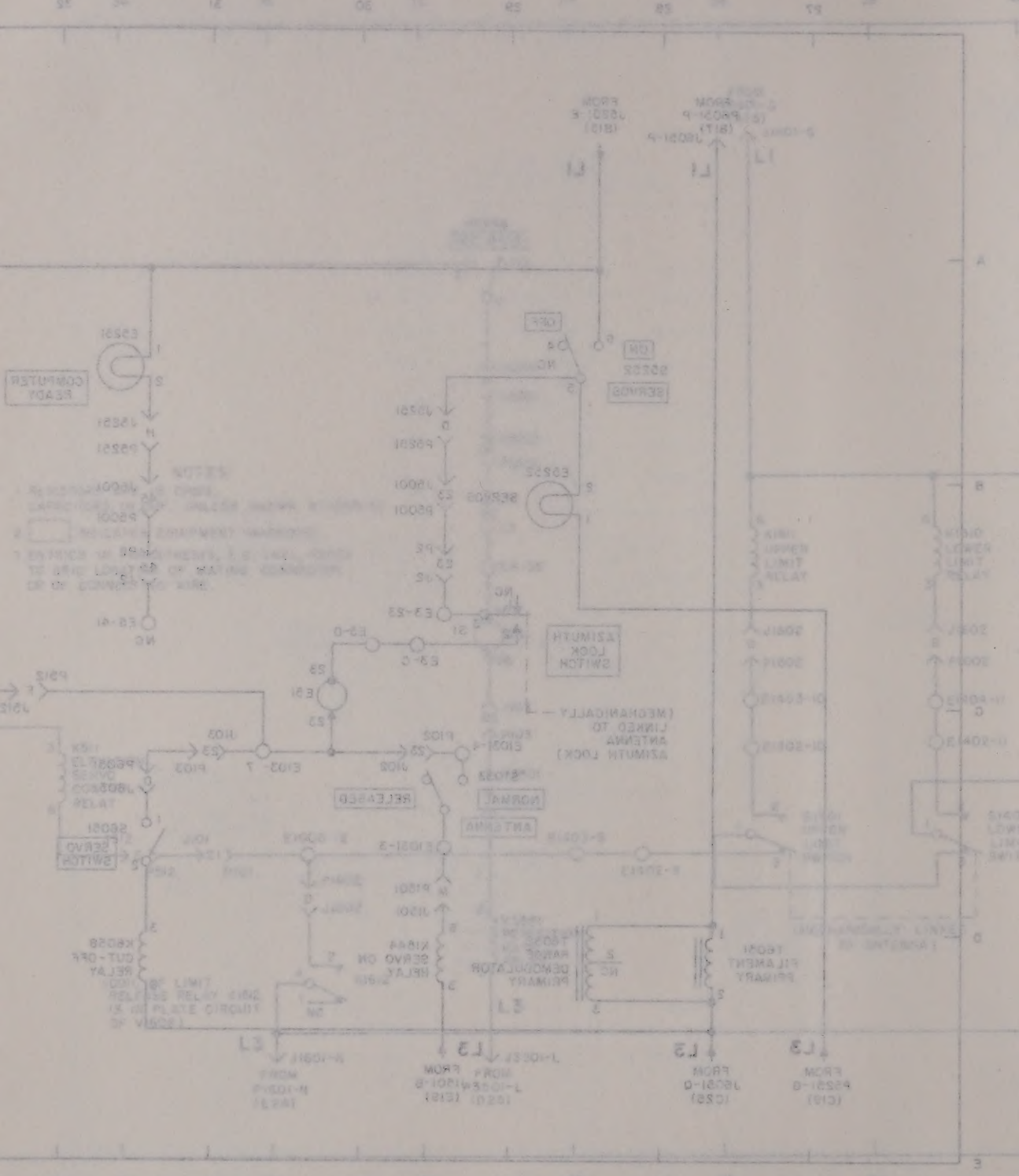
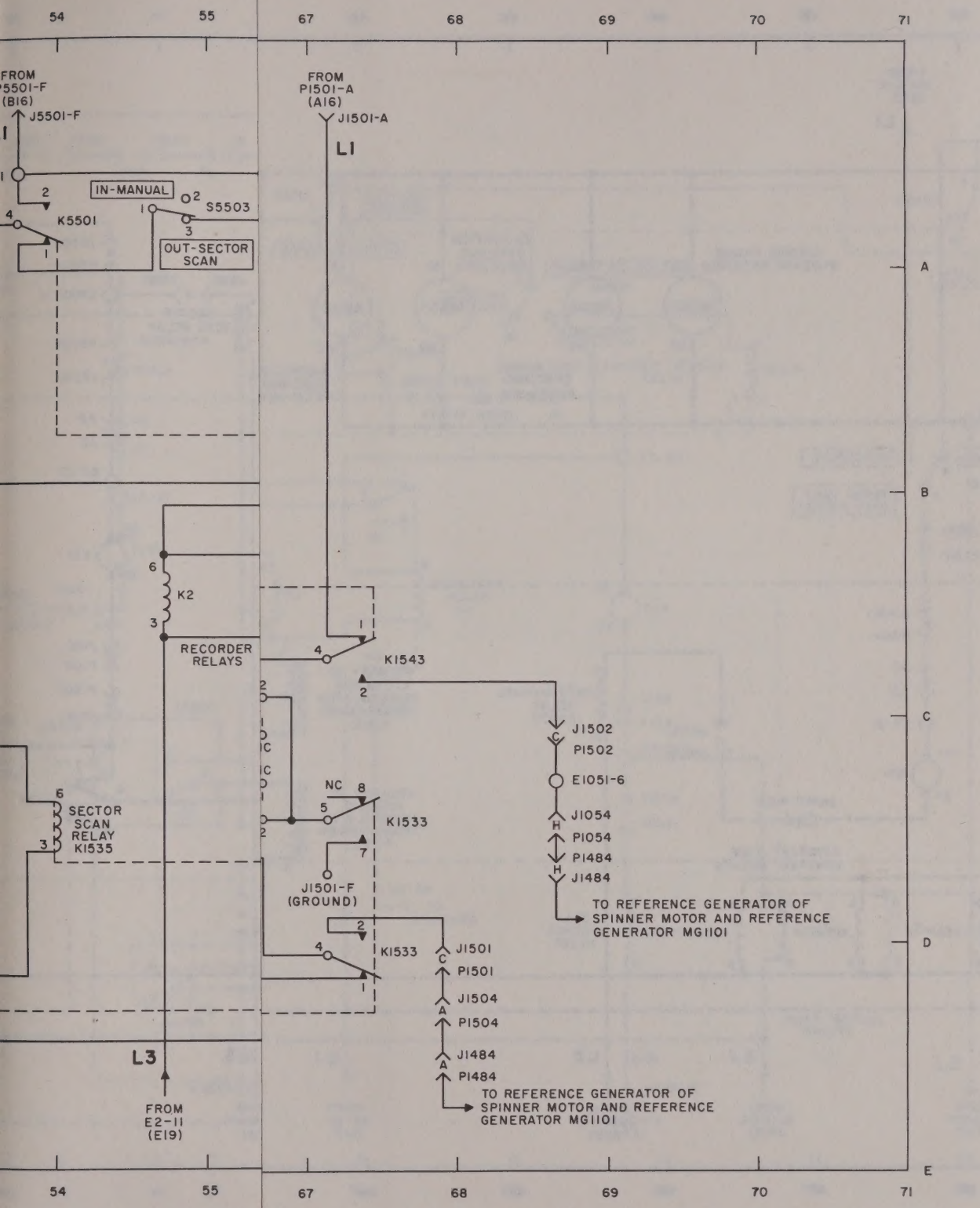


Figure 6E2-7. (Added)—Continued.



TM1503-C2-1 (3)

394349 O - 56 (In pocket)

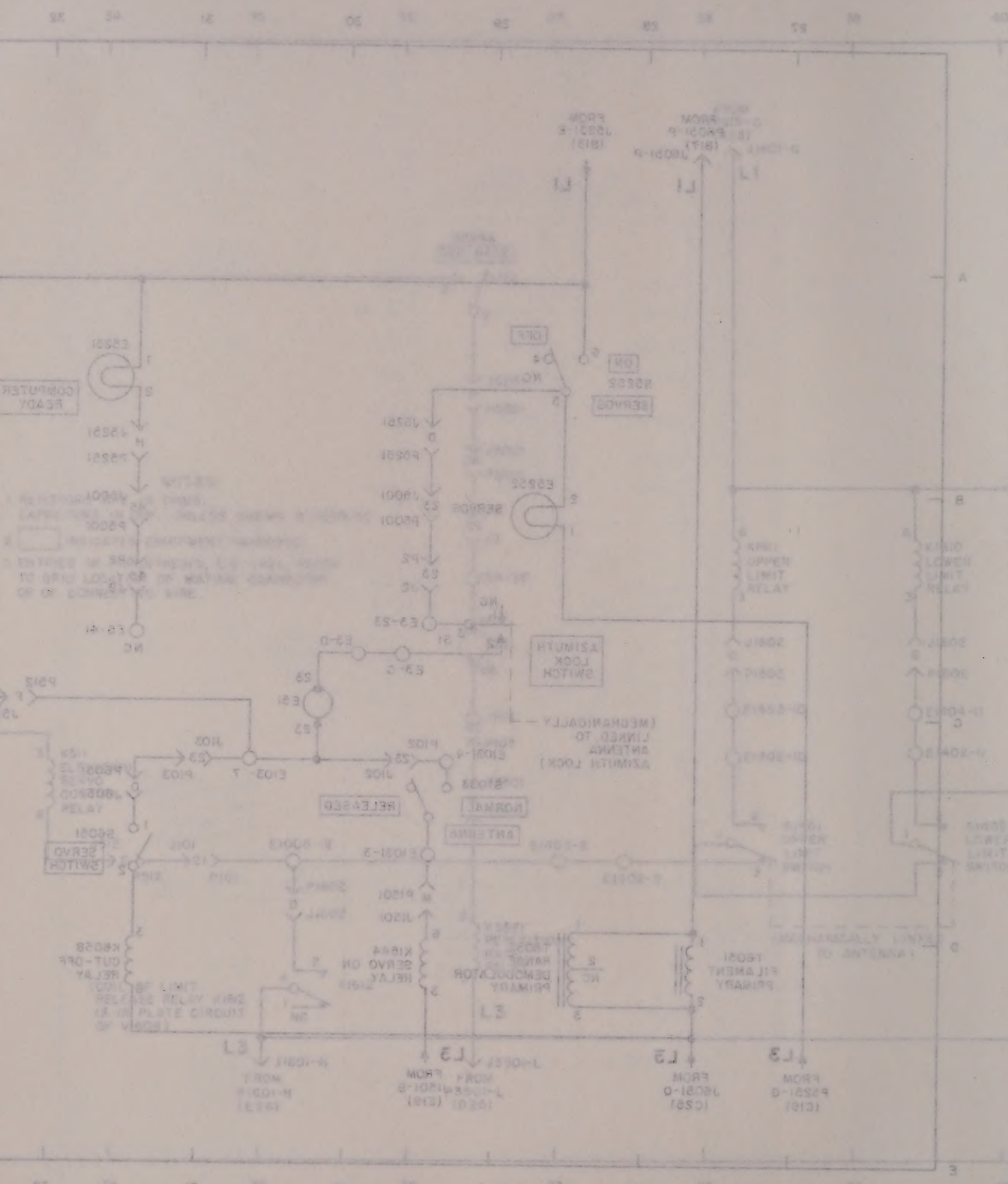


Figure 8C3.1. (Added)—Continued.

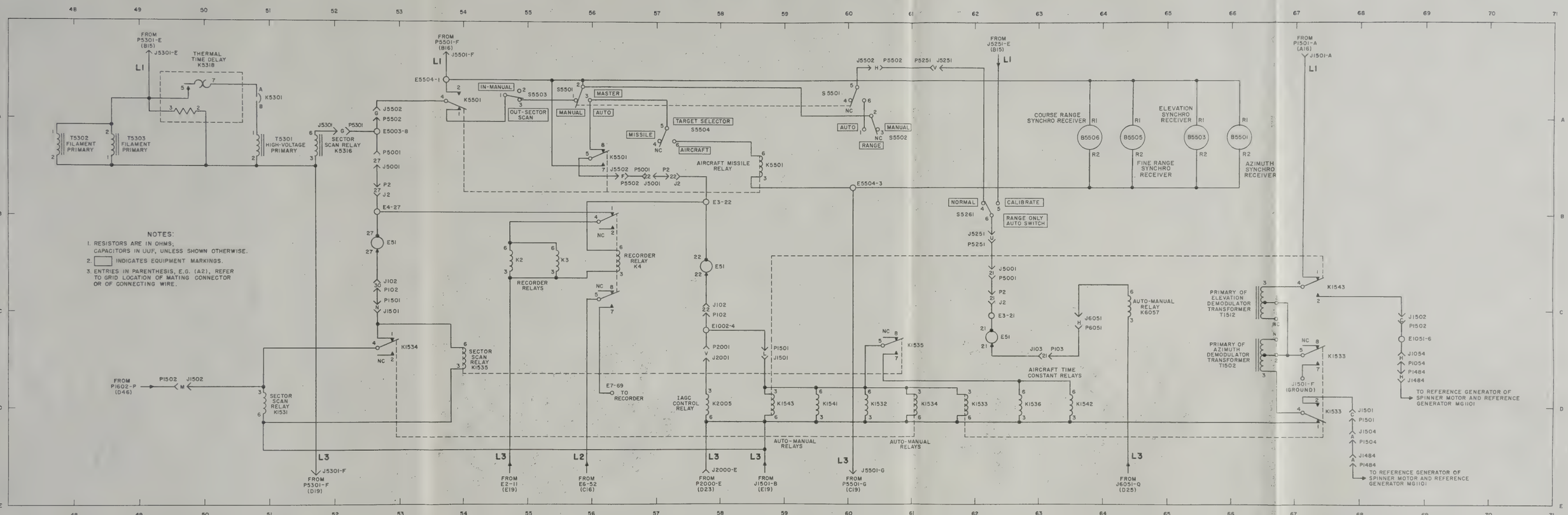
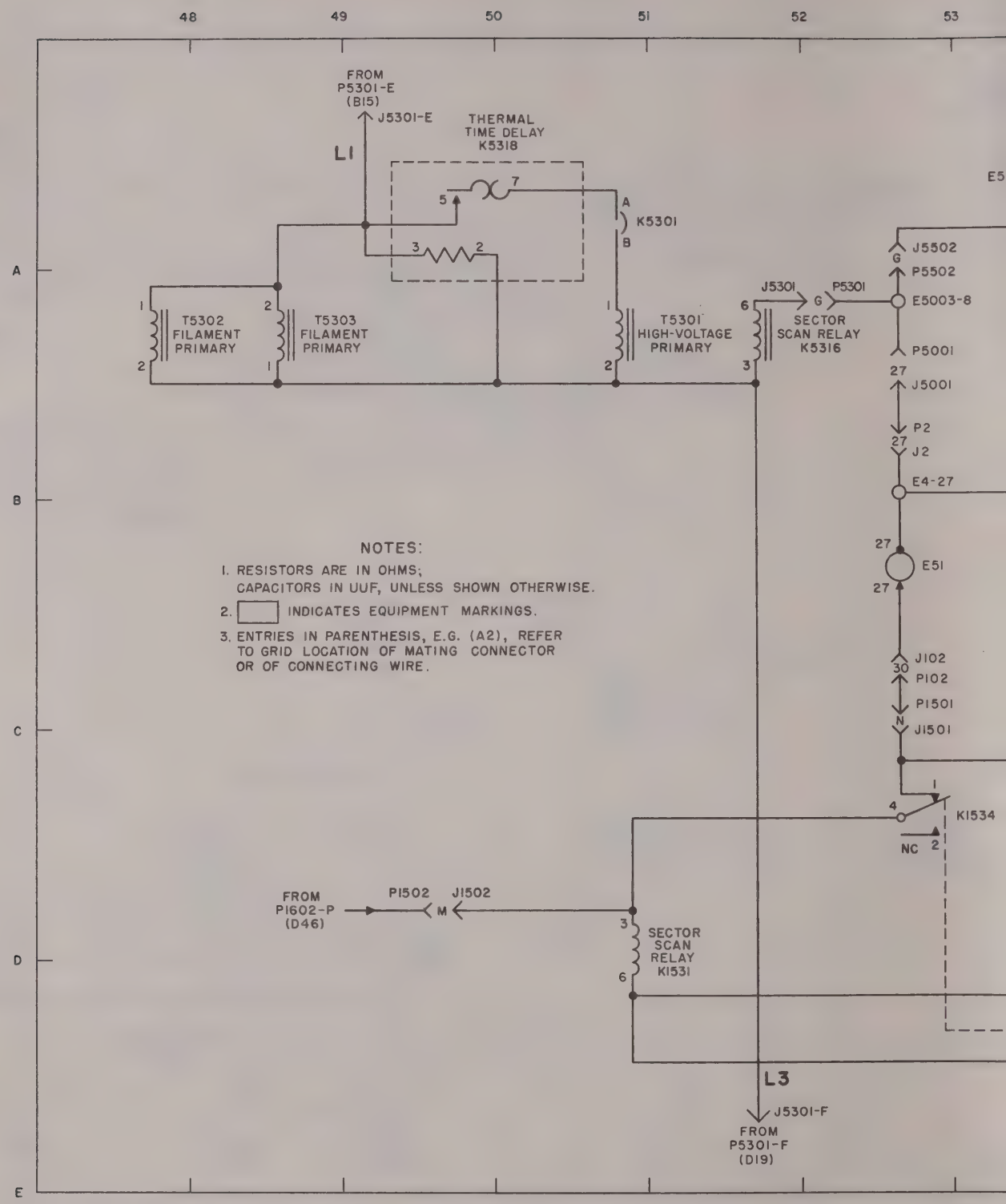
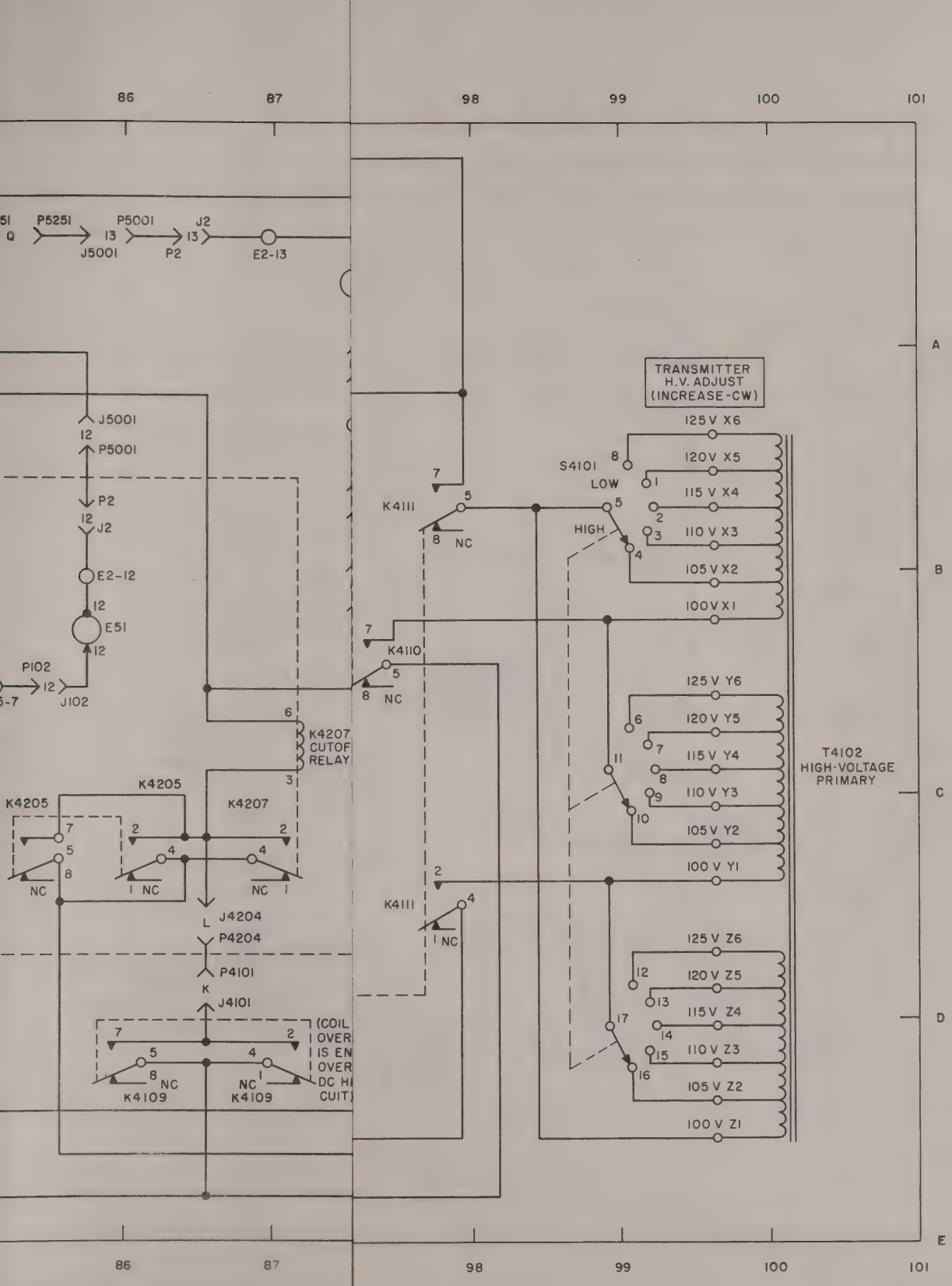


Figure 363.1. (Added)—Continued.

(Sheet 3 of 6)

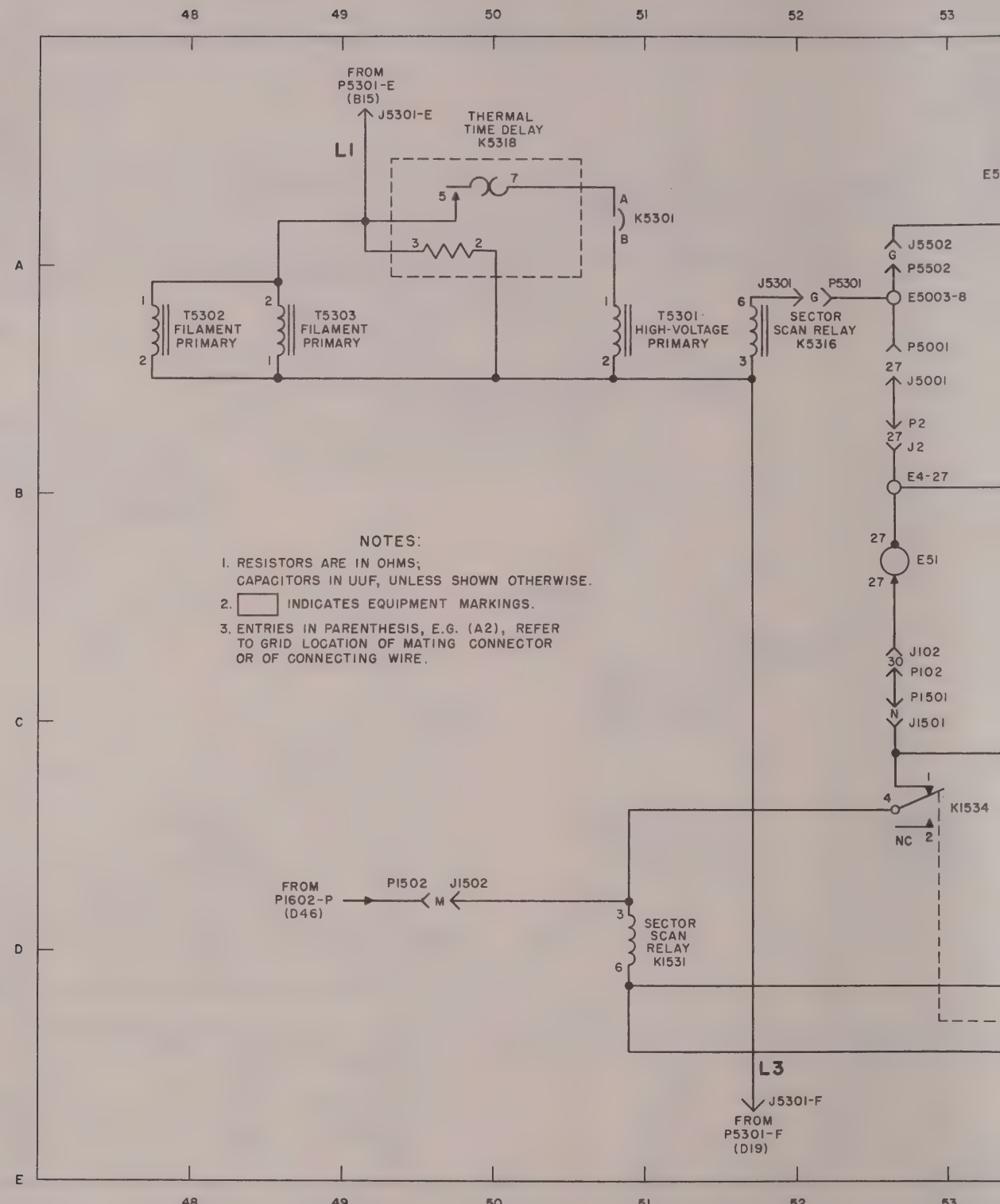

48
49
50
51
52
53
A
B
C
D
E
FROM P5301-E (B15)
J5301-E
L1
THERMAL TIME DELAY K5318
7
5
3
2
A
K5301
B
T5302 FILAMENT PRIMARY
T5303 FILAMENT PRIMARY
T5301 HIGH-VOLTAGE PRIMARY
J5301
P5301
SECTOR SCAN RELAY K5316
J5502
P5502
E5003-8
P5001
J5001
P2
J2
E4-27
E5
E51
J102
P102
P1501
J1501
K1534
NC
FROM P1602-P (D46)
P1502
J1502
SECTOR SCAN RELAY K1531
L3
J5301-F
FROM P5301-F (D19)
NOTES:
1. RESISTORS ARE IN OHMS; CAPACITORS IN UUF, UNLESS SHOWN OTHERWISE.
2. INDICATES EQUIPMENT MARKINGS.
3. ENTRIES IN PARENTHESIS, E.G. (A2), REFER TO GRID LOCATION OF MATING CONNECTOR OR OF CONNECTING WIRE.



ure 363.1. (Added)—Continued.

(Sheet 4 of 6)

TM 1503-C2-1 ④


48
49
50
51
52
53
A
B
C
D
E
FROM P5301-E (B15)
J5301-E
L1
THERMAL TIME DELAY K5318
7
5
3
2
A
B
K5301
T5302 FILAMENT PRIMARY
T5303 FILAMENT PRIMARY
T5301 HIGH-VOLTAGE PRIMARY
J5301
P5301
SECTOR SCAN RELAY K5316
J5502
P5502
E5003-8
P5001
J5001
P2
J2
E4-27
E51
J102
P102
P1501
J1501
K1534
NC
FROM P1602-P (D46)
P1502
J1502
SECTOR SCAN RELAY K1531
L3
J5301-F
FROM P5301-F (D19)
NOTES:
1. RESISTORS ARE IN OHMS; CAPACITORS IN UUF, UNLESS SHOWN OTHERWISE.
2. INDICATES EQUIPMENT MARKINGS.
3. ENTRIES IN PARENTHESIS, E.G. (A2), REFER TO GRID LOCATION OF MATING CONNECTOR OR OF CONNECTING WIRE.

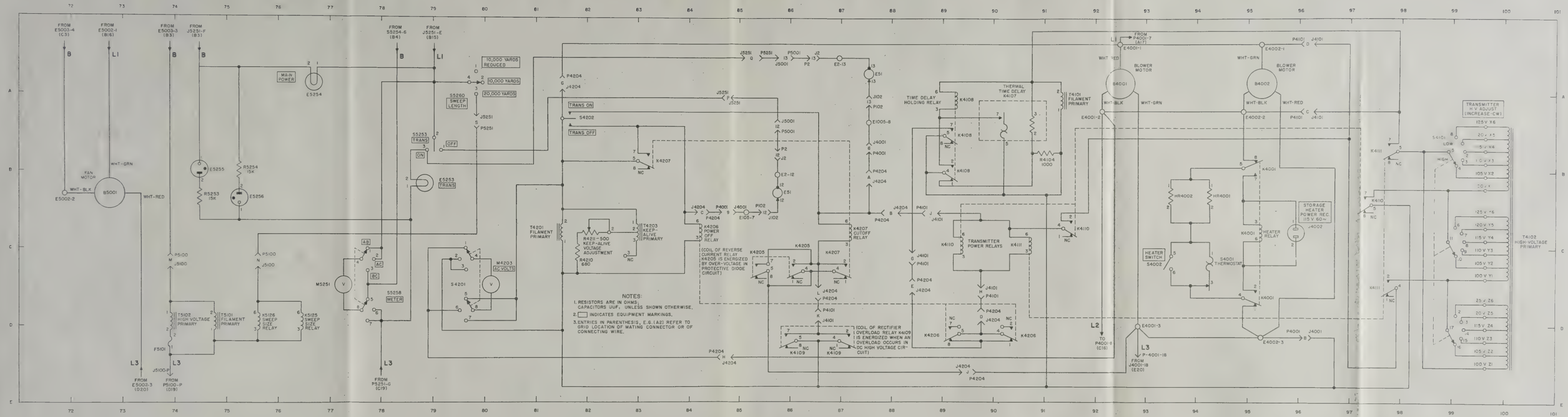
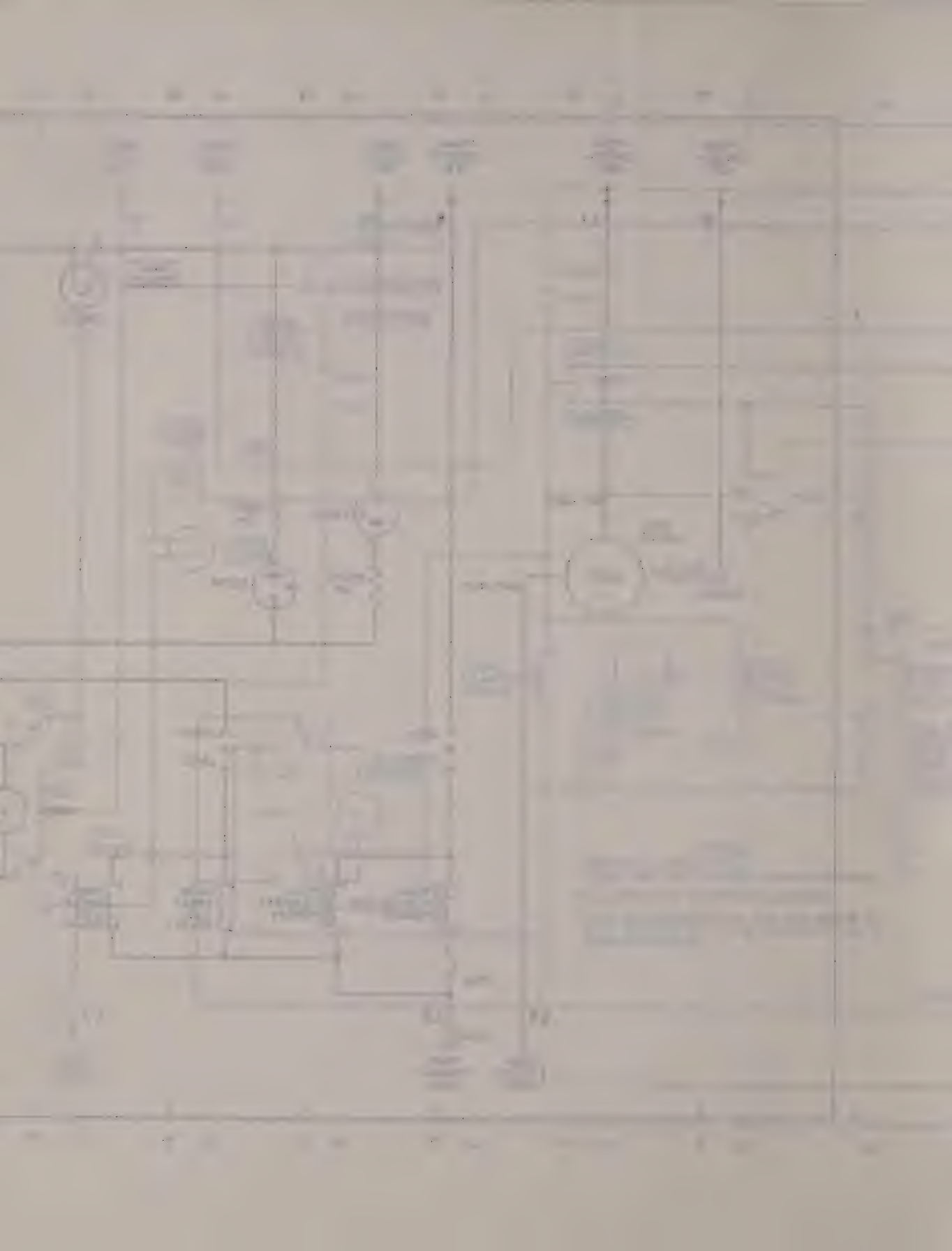


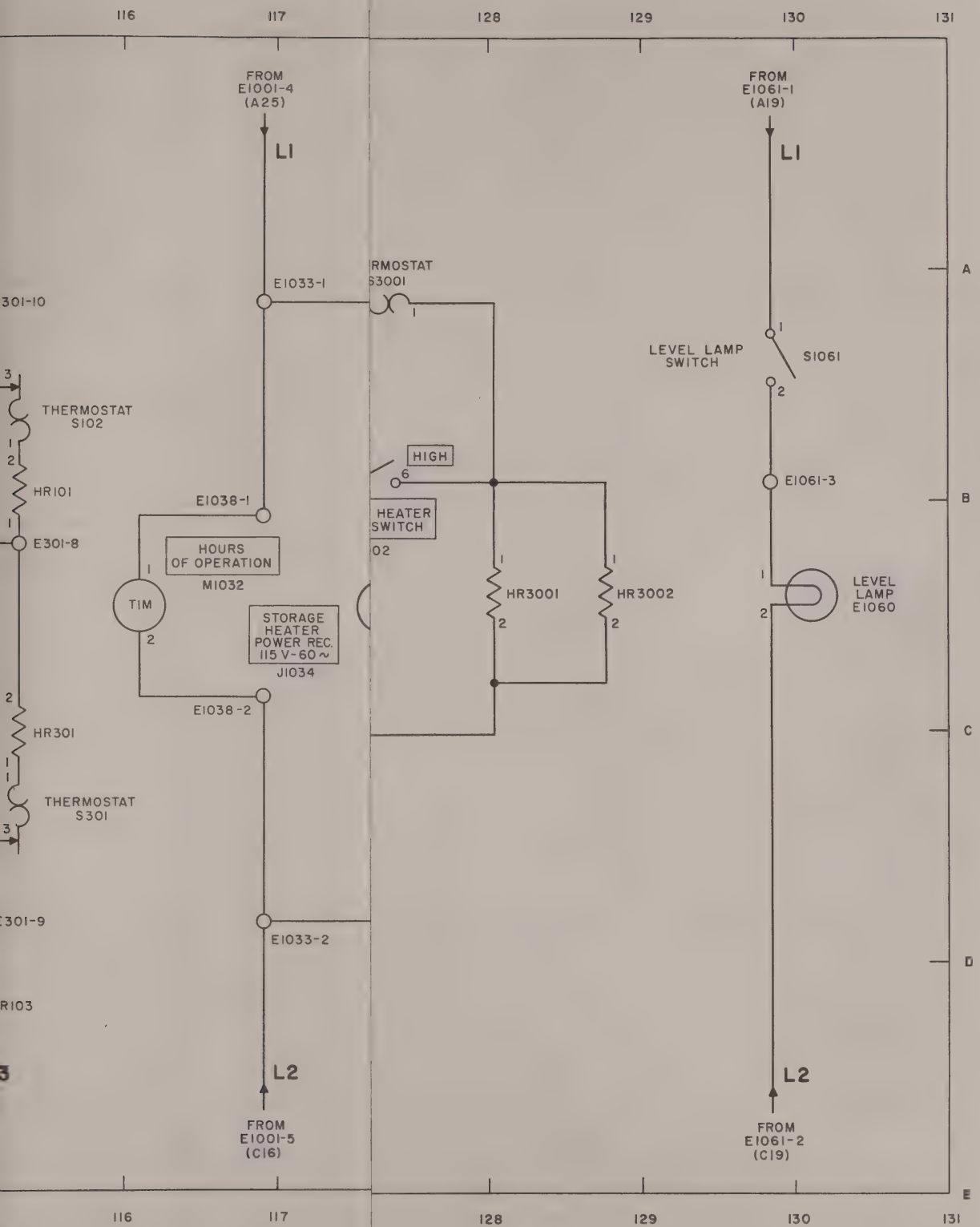
Figure 363.1. (Added)—Continued.

(Sheet 4 of 6)

TM 1503-62-1

194369 O - 55 (In pocket)



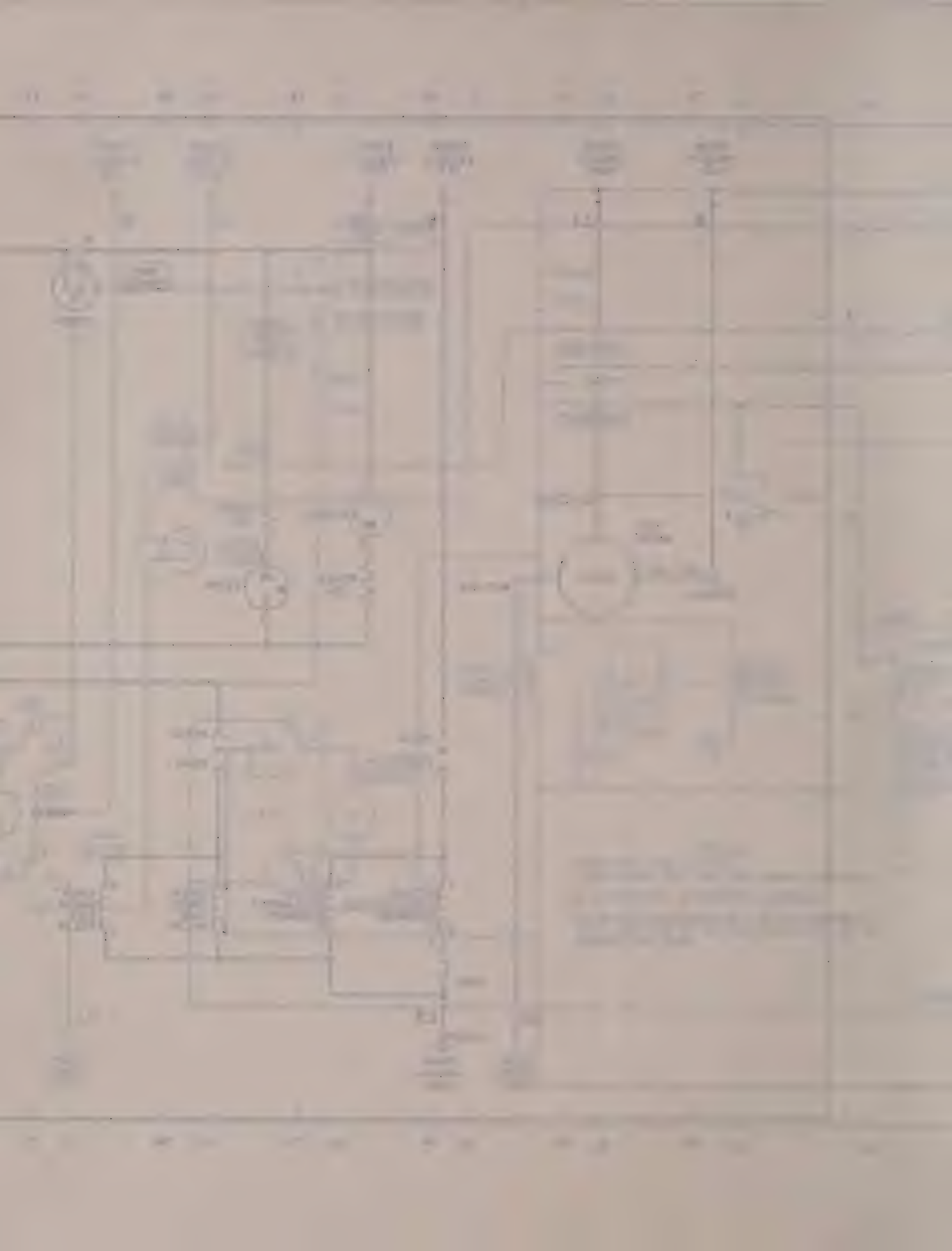


gure 363.1. (Added)—Continued.

(Sheet 5 of 6)

TM 1503-C2-1 ⑤

394349 O - 56 (In pocket)



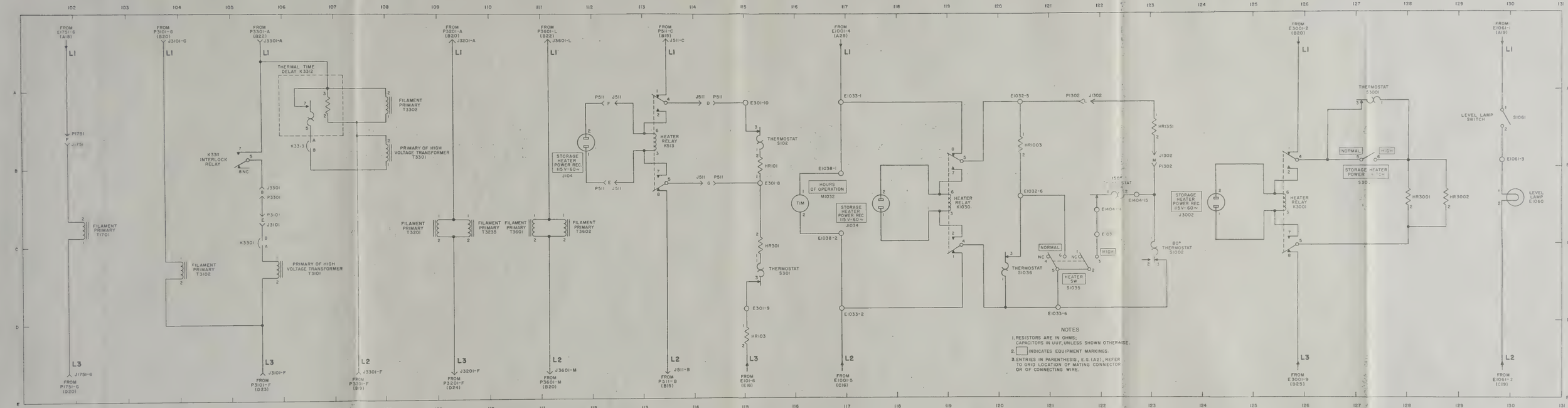
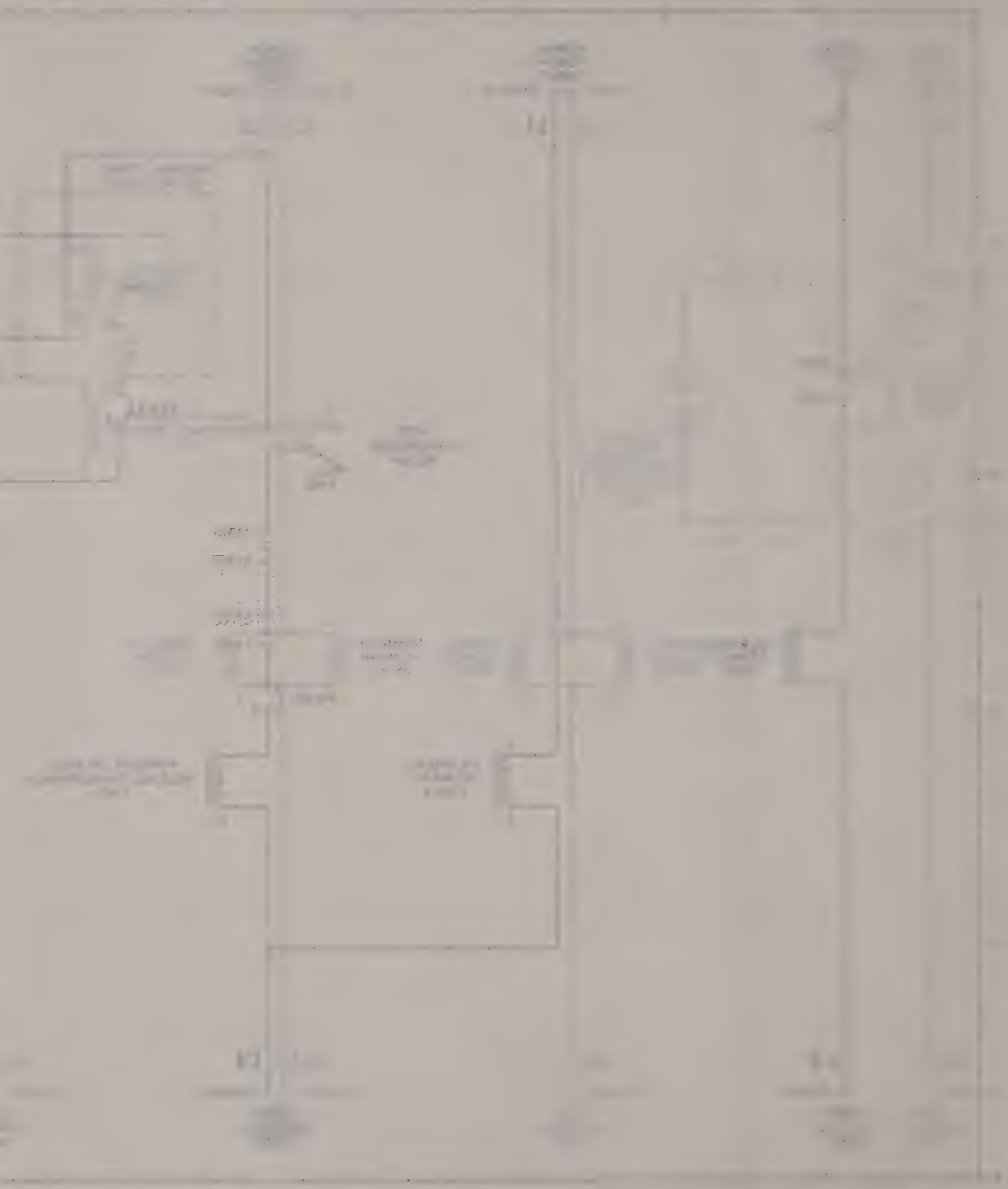
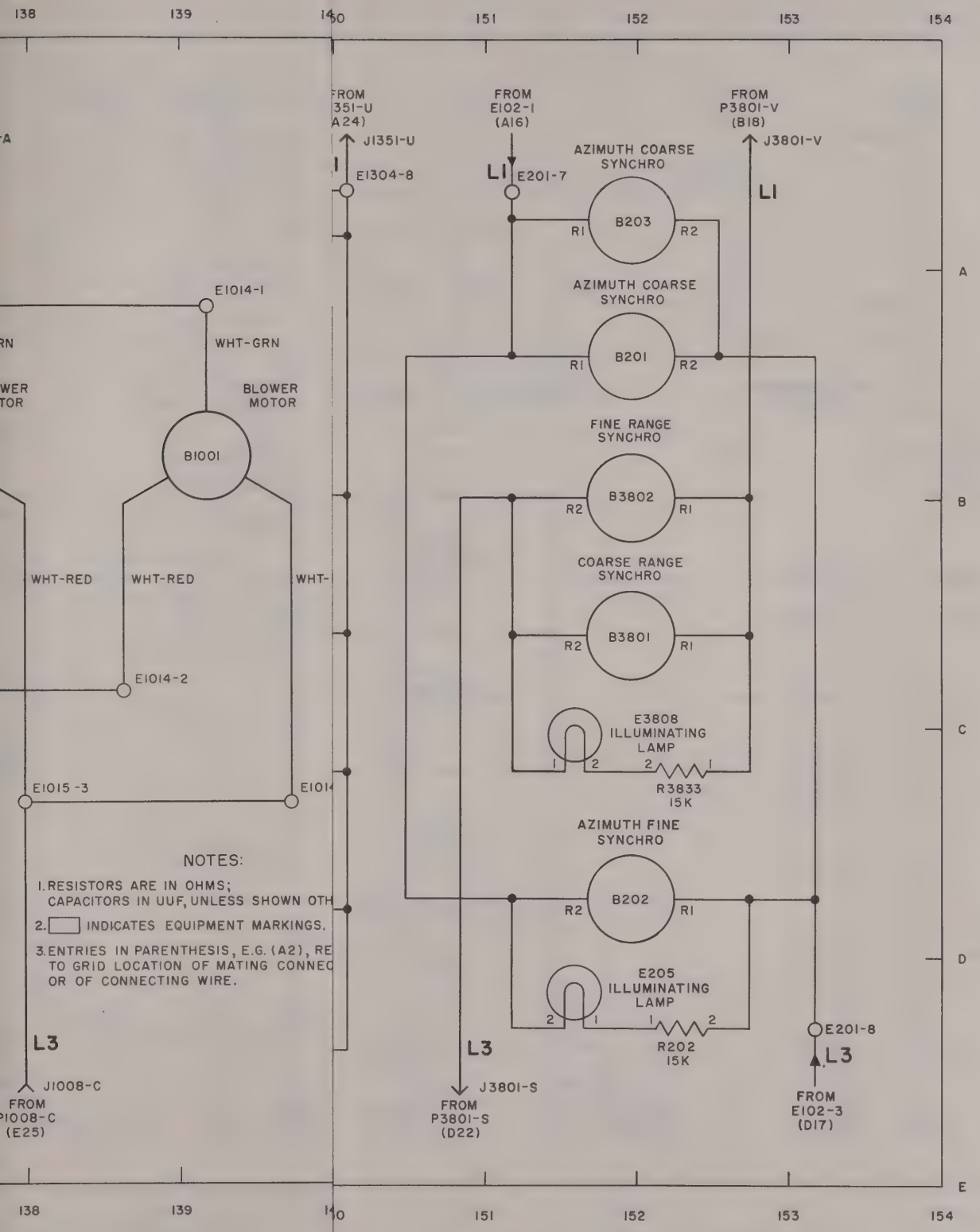


Figure 363.1. (Added)—Continued.

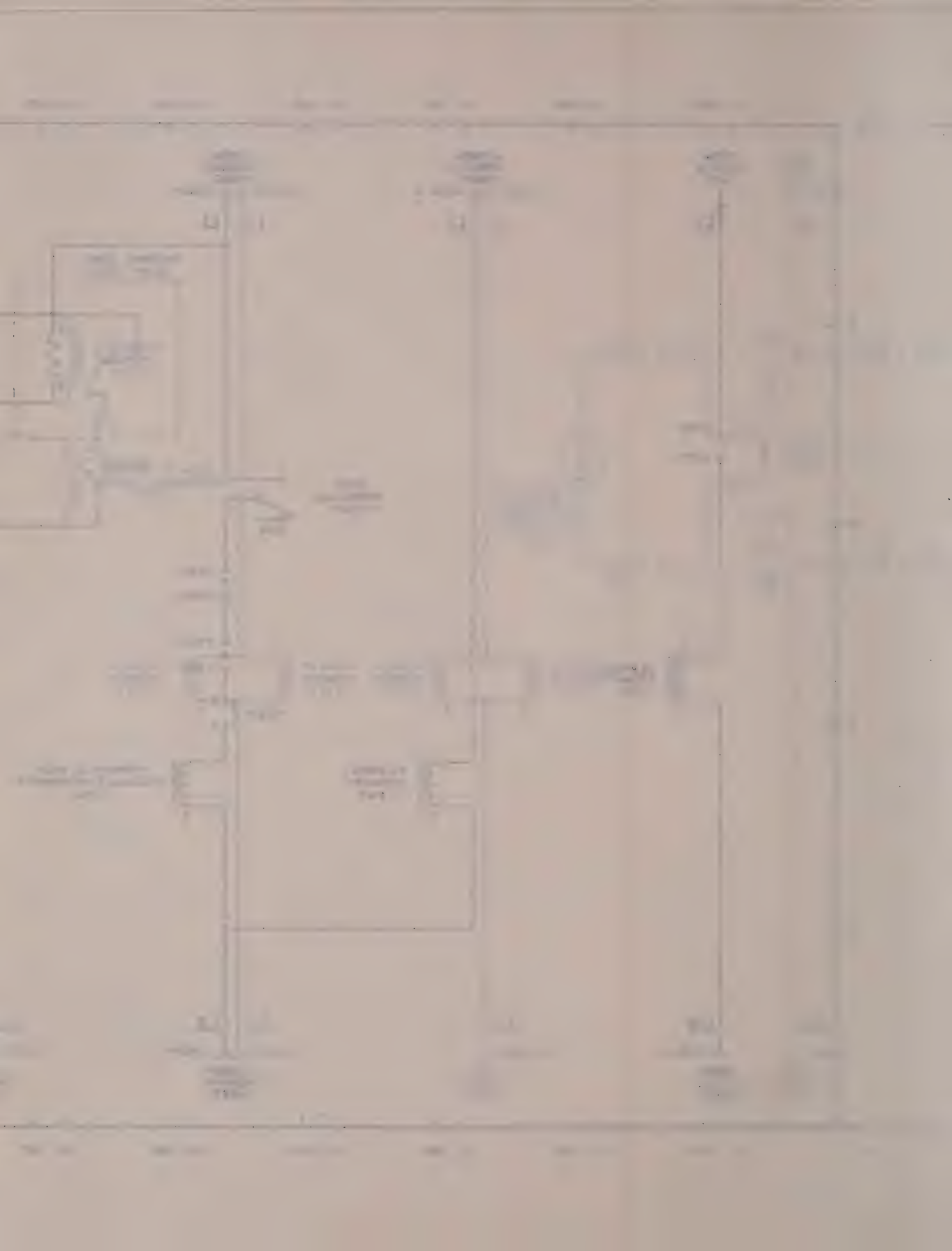
(Sheet 3 of 6)





TM1503-C2-1 ⑥

394349 O - 56 (In pocket)



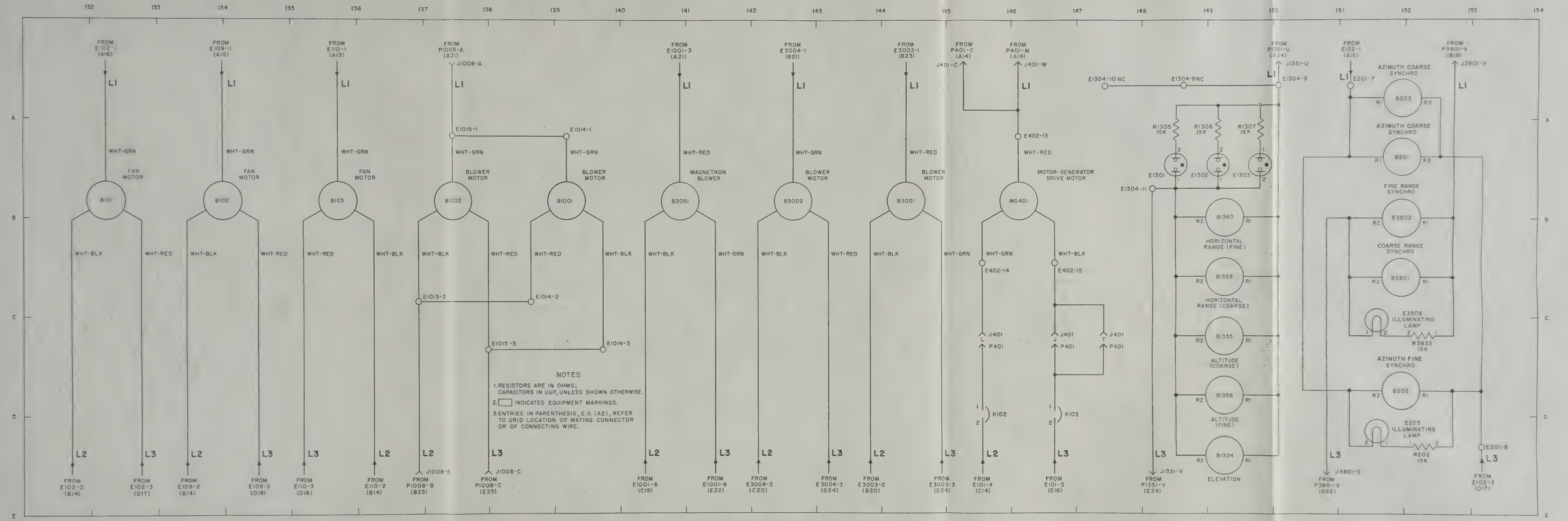
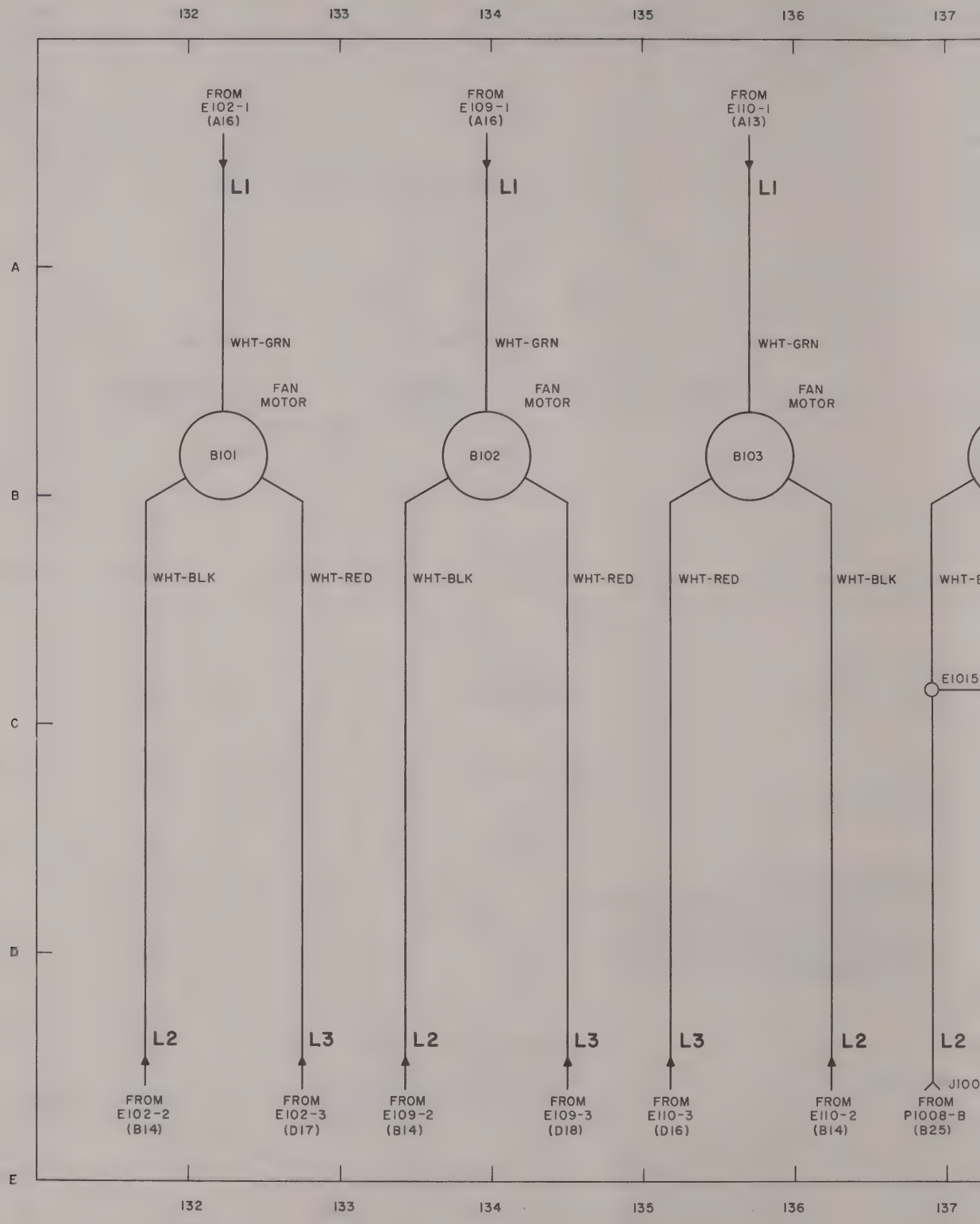


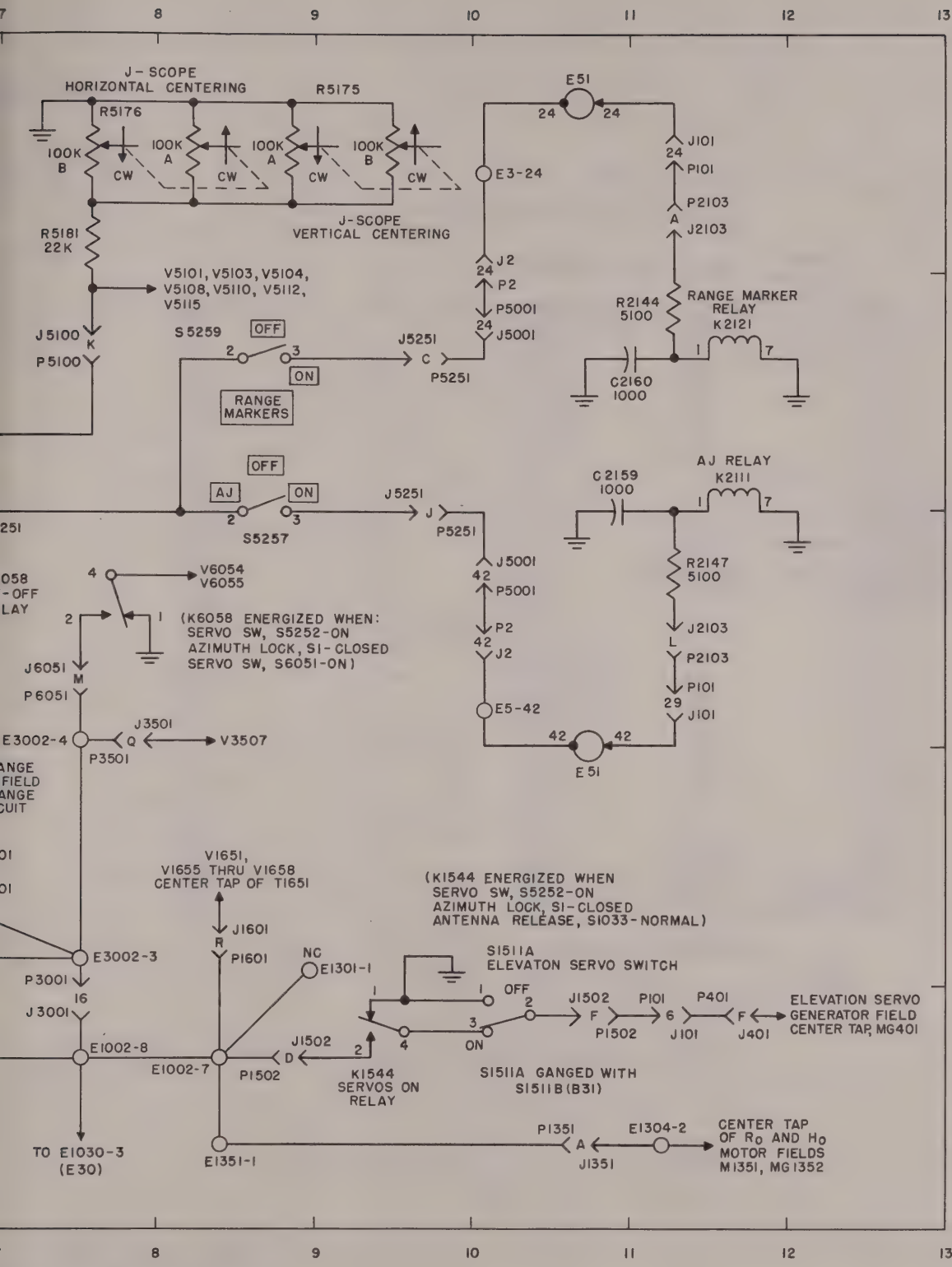
Figure 363.1. (Added)—Continued.

(Sheet 6 of 6)

TM1503-C2-1 ©

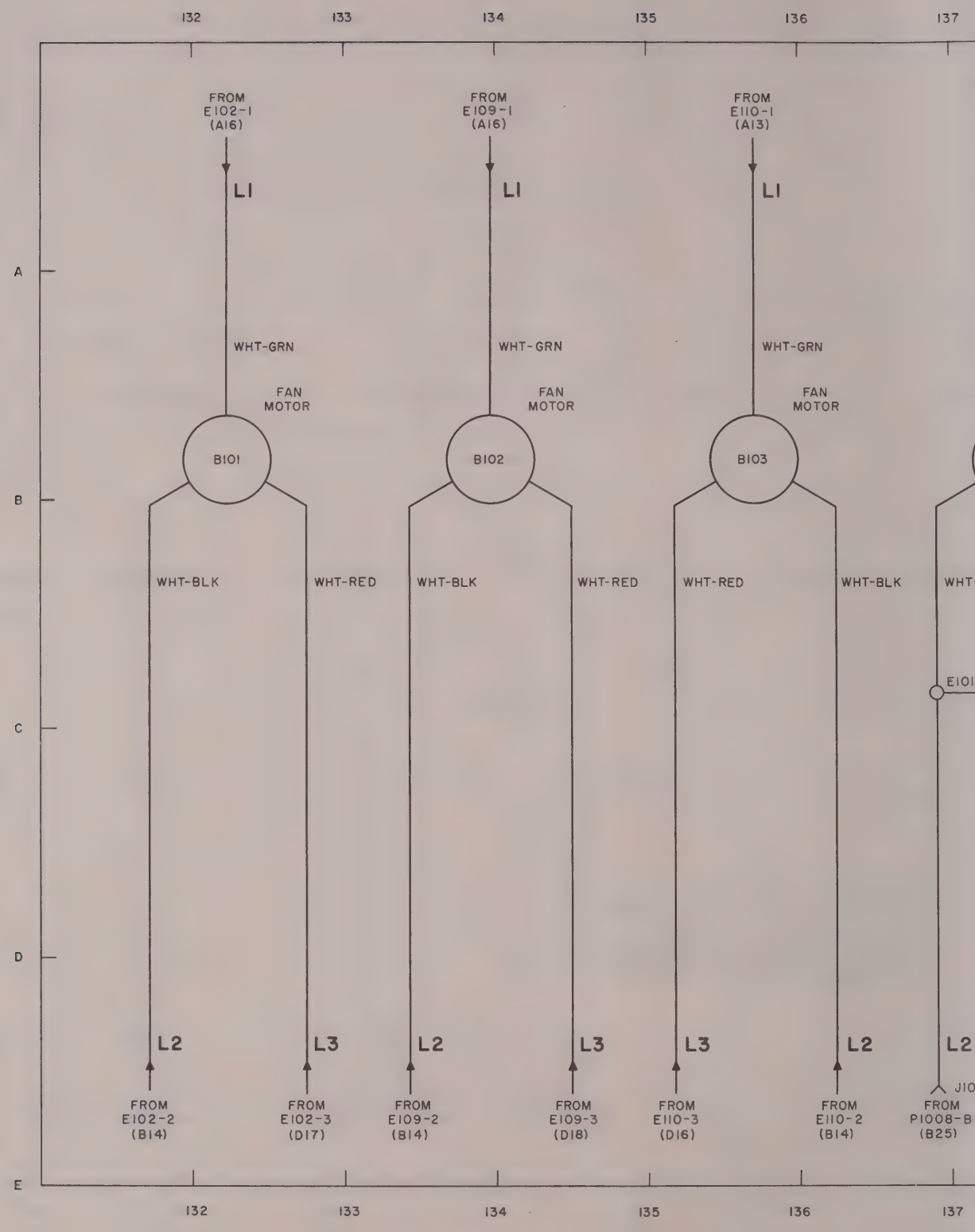
394349 O - 56 (In pocket)


132
133
134
135
136
137
A
B
C
D
E
FROM E102-1 (A16)
FROM E109-1 (A16)
FROM E110-1 (A13)
L1
WHT-GRN
FAN MOTOR
B101
B102
B103
WHT-BLK
WHT-RED
E1015
L2
L3
FROM E102-2 (B14)
FROM E102-3 (D17)
FROM E109-2 (B14)
FROM E109-3 (D18)
FROM E110-3 (D16)
FROM E110-2 (B14)
FROM P1008-B (B25)



N/MPQ–10A), schematic diagram.

TM1503-C2-2①


132
133
134
135
136
137
A
B
C
D
E
FROM E102-1 (A16)
FROM E109-1 (A16)
FROM E110-1 (A13)
L1
WHT-GRN
FAN MOTOR
B101
B102
B103
WHT-BLK
WHT-RED
L2
L3
FROM E102-2 (B14)
FROM E102-3 (D17)
FROM E109-2 (B14)
FROM E109-3 (D18)
FROM E110-3 (D16)
FROM E110-2 (B14)
E101
J10
FROM P1008-B (B25)

Reference designation	Coordinate location
C402	D3
C406	C33
C512	C32
C2001	B46
C2002	D56
C2159	B11
C2160	B11
C3204	B17
C5117	C47
CR1201	D50
CR1202	D50
CR1203	C50
CR5103	C48
E403	D3
E1030	E30
E1201	C51
J3101	A25
J3201	A14, B3, C26, C27, E14
J3301	C39
J5301	A7, D44
K401	E5
K512	C32
K1535	A19
K1544	E10, B30
K1609	B57
K1612	B15
K1613	B58
K2004	B47, D19
K2005	B20
K2007	D58
K2111	B12
K2121	B12
K3311	C4
K3721	A18
K5316	B22
K6058	C8
M1030	D27
MG301	B54
MG401	D2
MG1401	B54
MG3851	C55
P3101	B24
P3201	A15, B3, C25, C28, E15
P3301	C37
P5301	B7, D44
R201	C19
R513	B32
R514	B32
R516	C32
R517	C17
R519A	C17
R519B	D40
R520	D40
R521	D40
R522	E40
R1204	C51
R1205	C51
R1206	B50
R1207	B50
R2001	E18
R2002	E18
R2003	E19
R2004	B43
R2005	B43
R2006	B45
R2007	B45
R2008	B44
R2009	D57
R2010	D57
R2144	B12
R2147	C12
R2222	A41
R2223	A42
R2224	A42
R3777	A17
R3778	A17
R3779	A17
R3813	B17
R3827	B19
R3828A	B18
R3828B	B19
R3834	B19
R5129	D48
R5132	D48
R5175	A10
R5176	A8
R5181	A8
R5252	A47
S1030	D28
S1033	B55
S1511A	E11
S1511B	B31
S1701	B30
S2001A	B45
S2001B	D20
S2002	D59
S5251	C22
S5255	C22
S5257	B9
S5259	B9
Z401	E3

Figure 363.2—Continued.

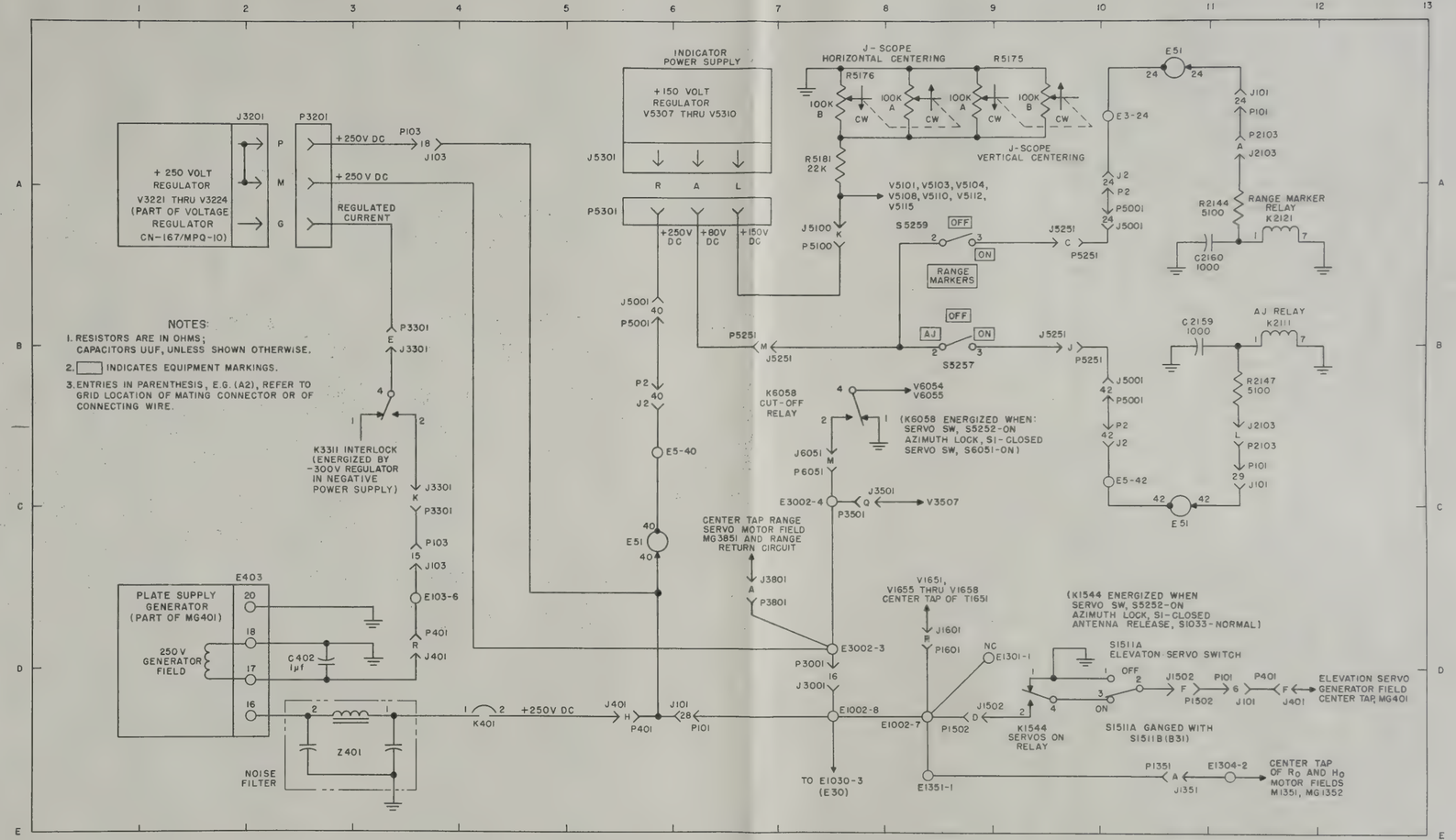
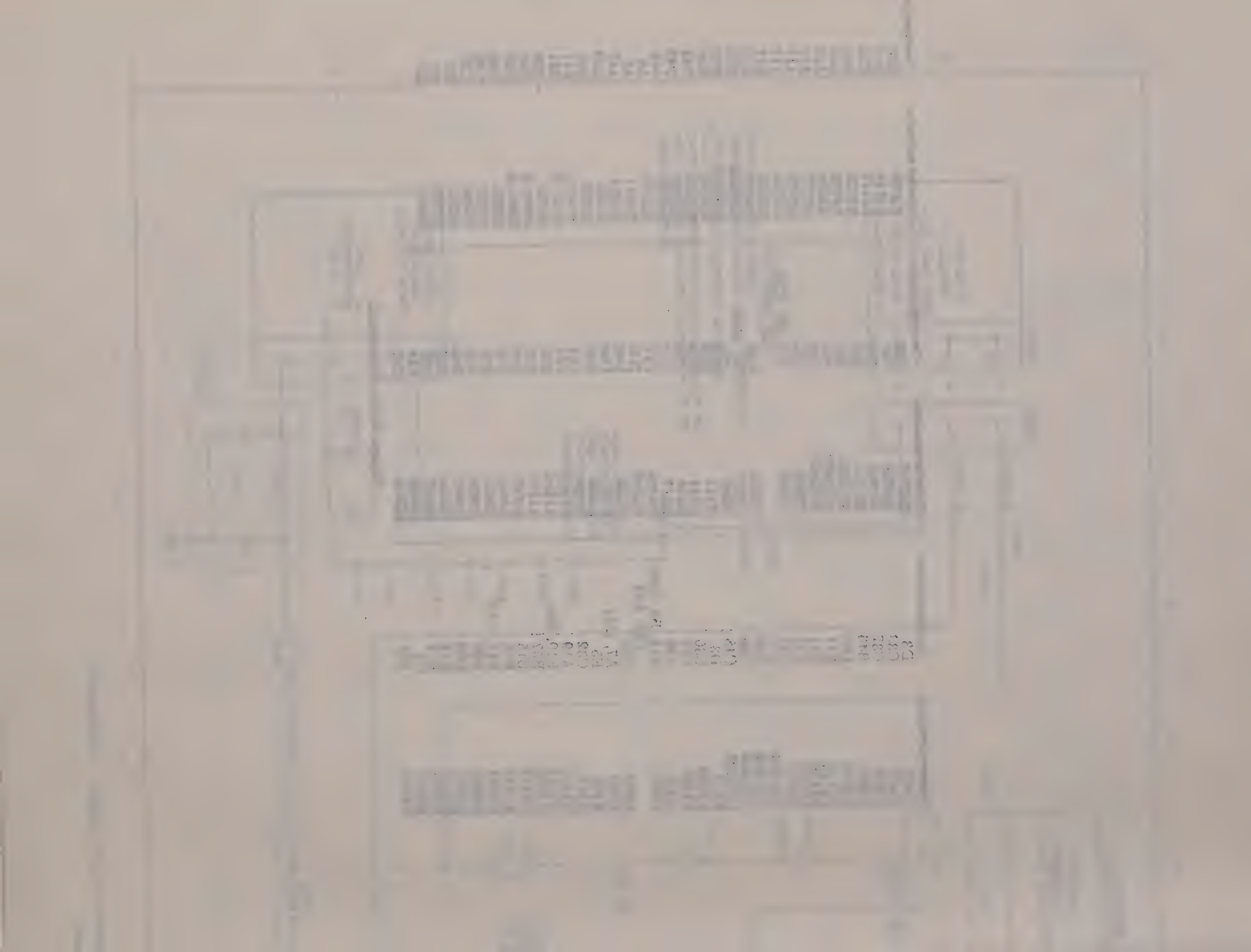
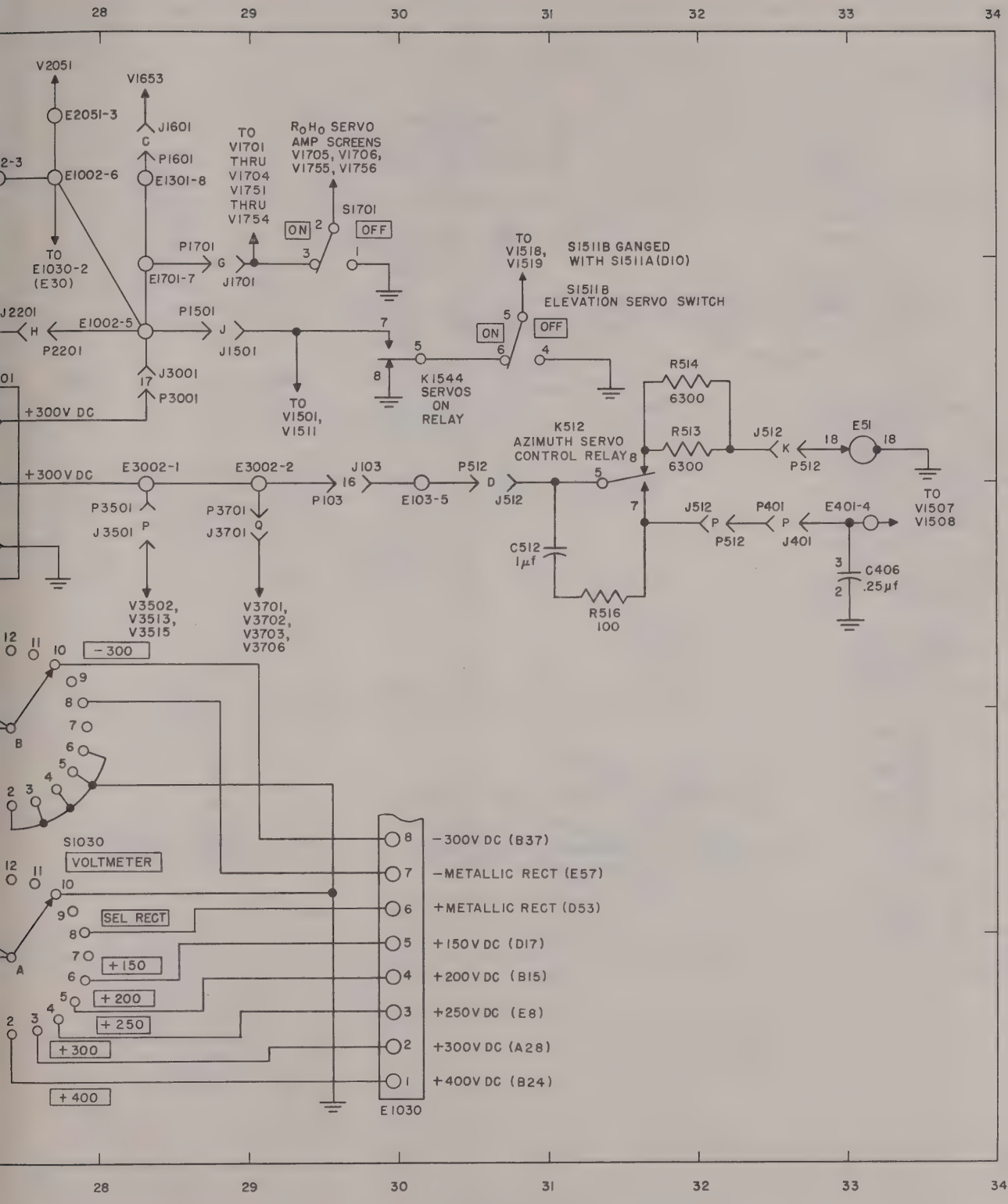


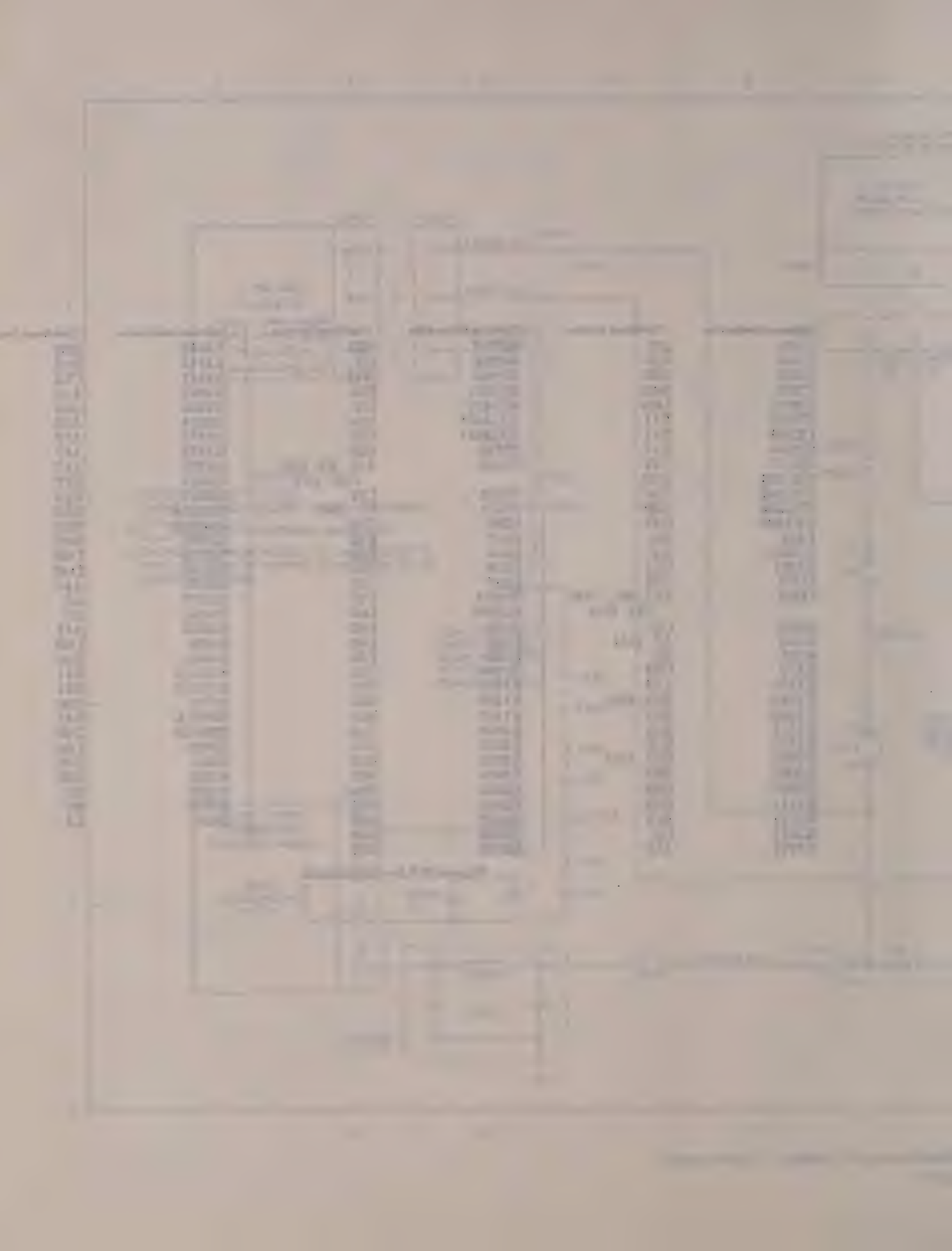
Figure 363.2. (Added) *Dc power distribution (AN/MPQ-10A), schematic diagram.*
(Sheet 1 of 3).

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394349 O - 56 (In pocket)




28
29
30
31
32
33
34
A
B
C
D
E
V2051
E2051-3
E1002-6
TO E1030-2 (E30)
V1653
J1601
C
P1601
E1301-8
E1701-7
P1701
G
J1701
TO V1701 THRU V1704 V1751 THRU V1754
R0H0 SERVO AMP SCREENS V1705, V1706, V1755, V1756
S1701
ON
OFF
2
3
1
J2201
H
P2201
E1002-5
P1501
J
J1501
J3001
17
P3001
+300V DC
TO V1501, V1511
TO V1518, V1519
S1511B GANGED WITH S1511A(D10)
S1511B ELEVATION SERVO SWITCH
5
6
4
7
8
K1544 SERVOS ON RELAY
R514
6300
R513
6300
K512 AZIMUTH SERVO CONTROL RELAY
J512
K
P512
E51
18
18
TO V1507 V1508
+300V DC
E3002-1
E3002-2
J103
16
P103
P512
D
J512
P3501
J3501
P
P3701
J3701
Q
V3502, V3513, V3515
V3701, V3702, V3703, V3706
C512 1μf
R516 100
J512
P
P512
P401
P
J401
E401-4
3
C406 .25μf
2
12
11
10
-300
9
8
7
6
5
4
3
2
B
S1030
VOLTMETER
SEL RECT
+150
+200
+250
+300
+400
A
E1030
8
-300V DC (B37)
7
-METALLIC RECT (E57)
6
+METALLIC RECT (D53)
5
+150V DC (D17)
4
+200V DC (B15)
3
+250V DC (E8)
2
+300V DC (A28)
1
+400V DC (B24)



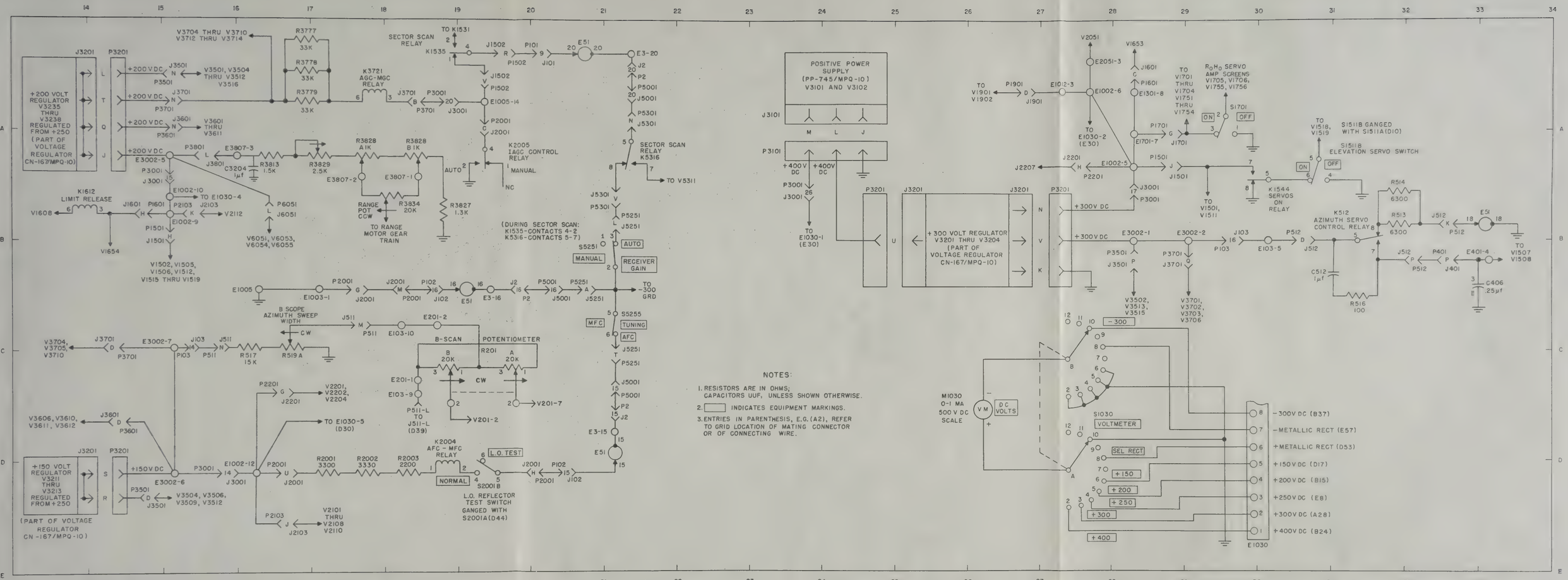
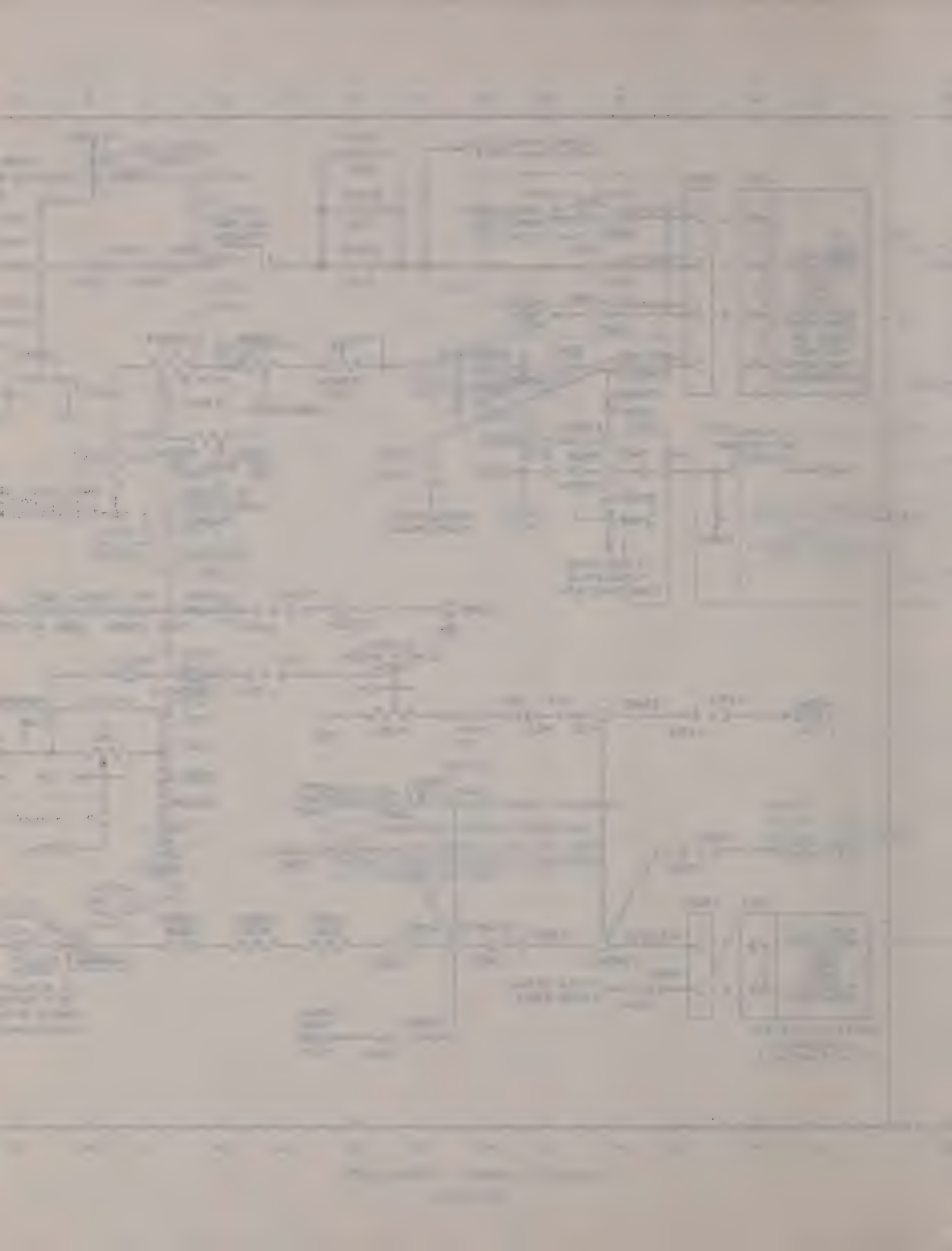
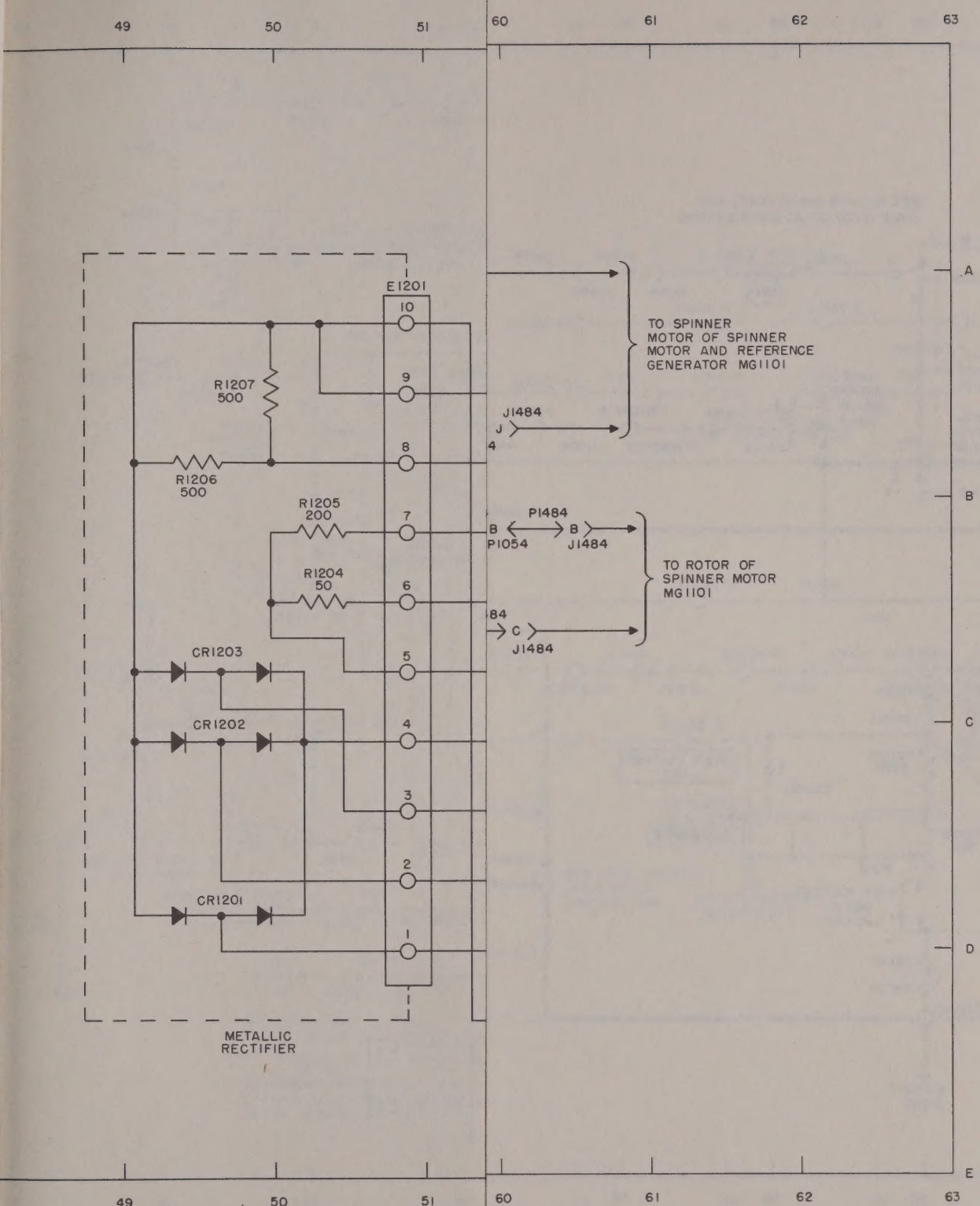


Figure 363.2. (Added)—Continued.

(Sheet 2 of 3).





. (Added)—Continued.

(Sheet 3 of 3).

394349 O - 56 (In pocket)

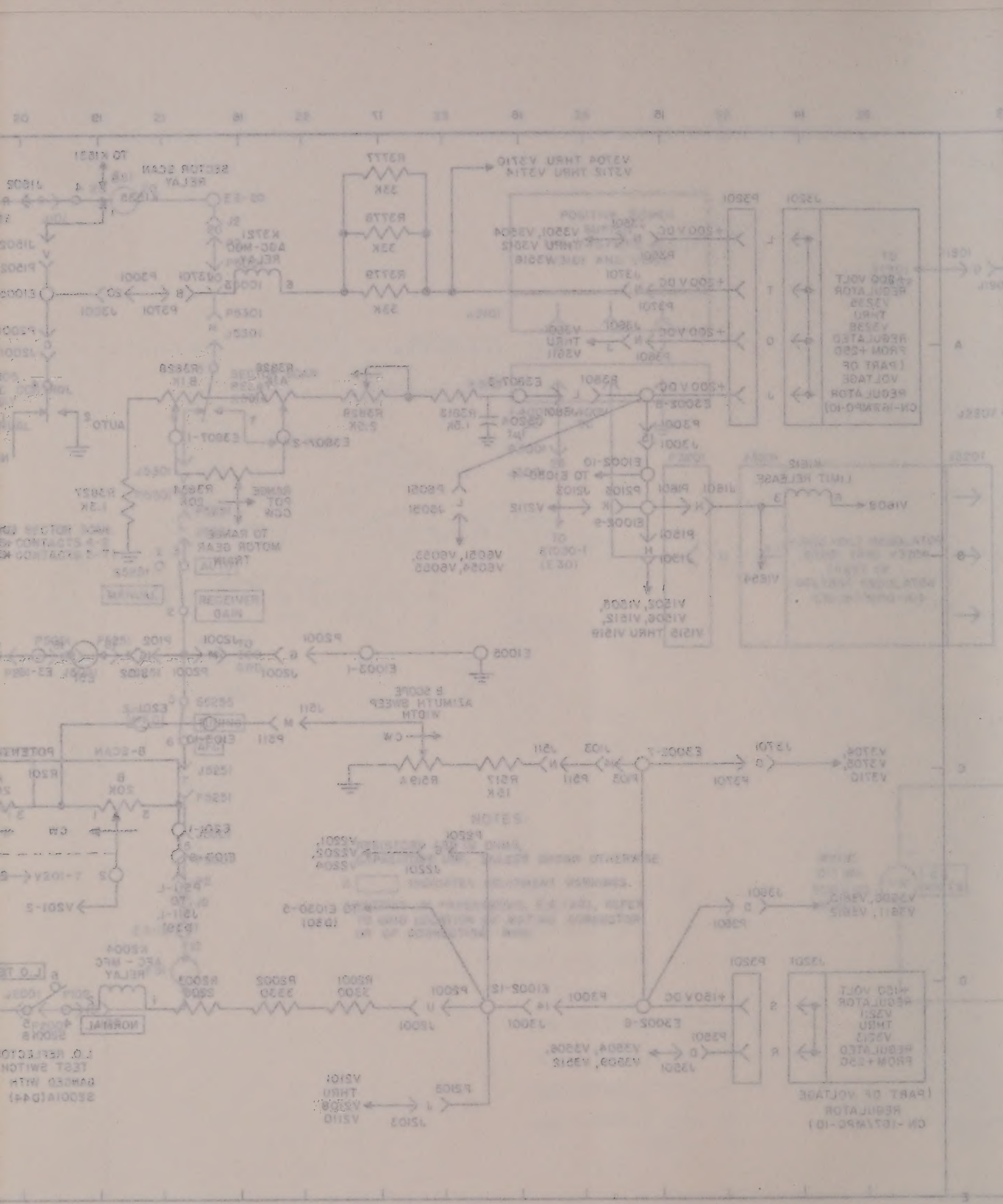


Figure 8-15. (Added)—Continued

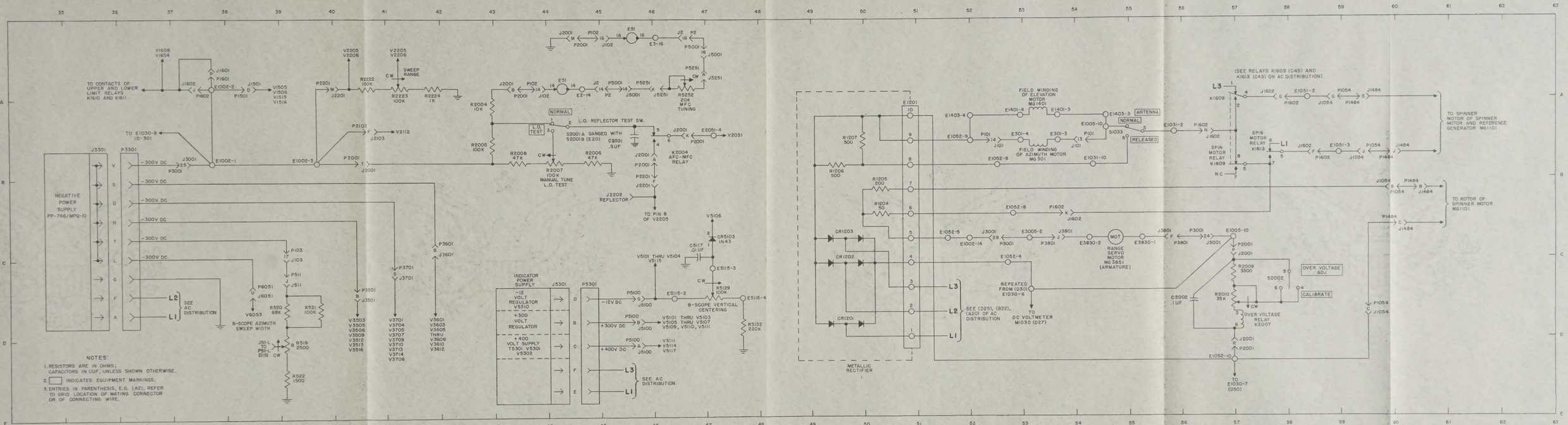
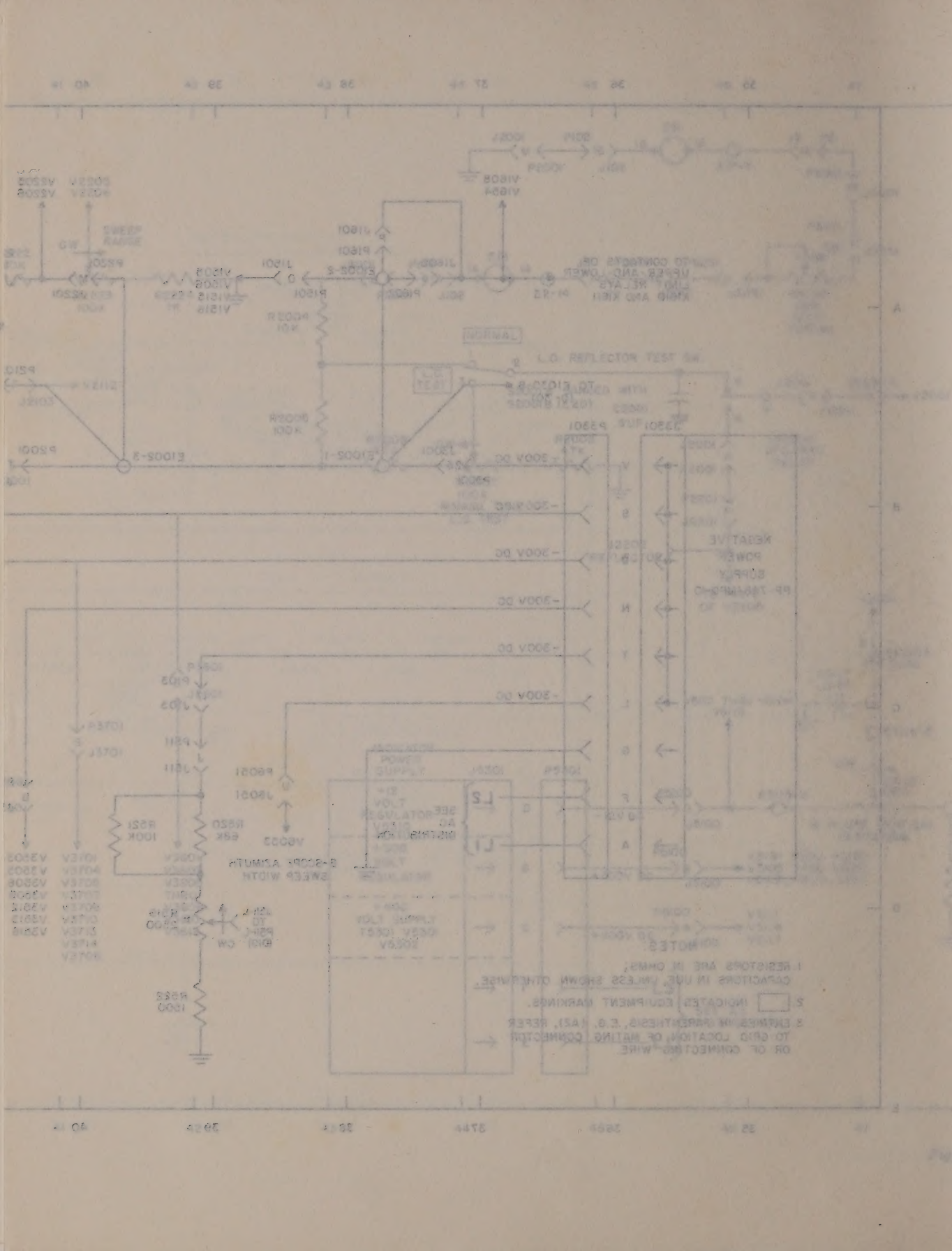


Figure 363.2. (Added)—Continued.

(Sheet 3 of 3).

394349 O - 55 (In pocket)


NORMAL
L.O. REFLECTOR TEST SW.
-300V DC
-300V DC
-300V DC
-300V DC
-300V DC
-300V DC
NEGATIVE POWER SUPPLY
LC
LI
NOTES:
1. RESISTORS ARE IN OHMS, CAPACITORS IN MFD, UNLESS SHOWN OTHERWISE.
2. INDICATES EQUIPMENT MARKINGS.
3. DASHED LINE INDICATES E.O. MAST, REFER TO GP10 LOCATION, OR MATING CONNECTOR OR OF CONNECTING WIRE