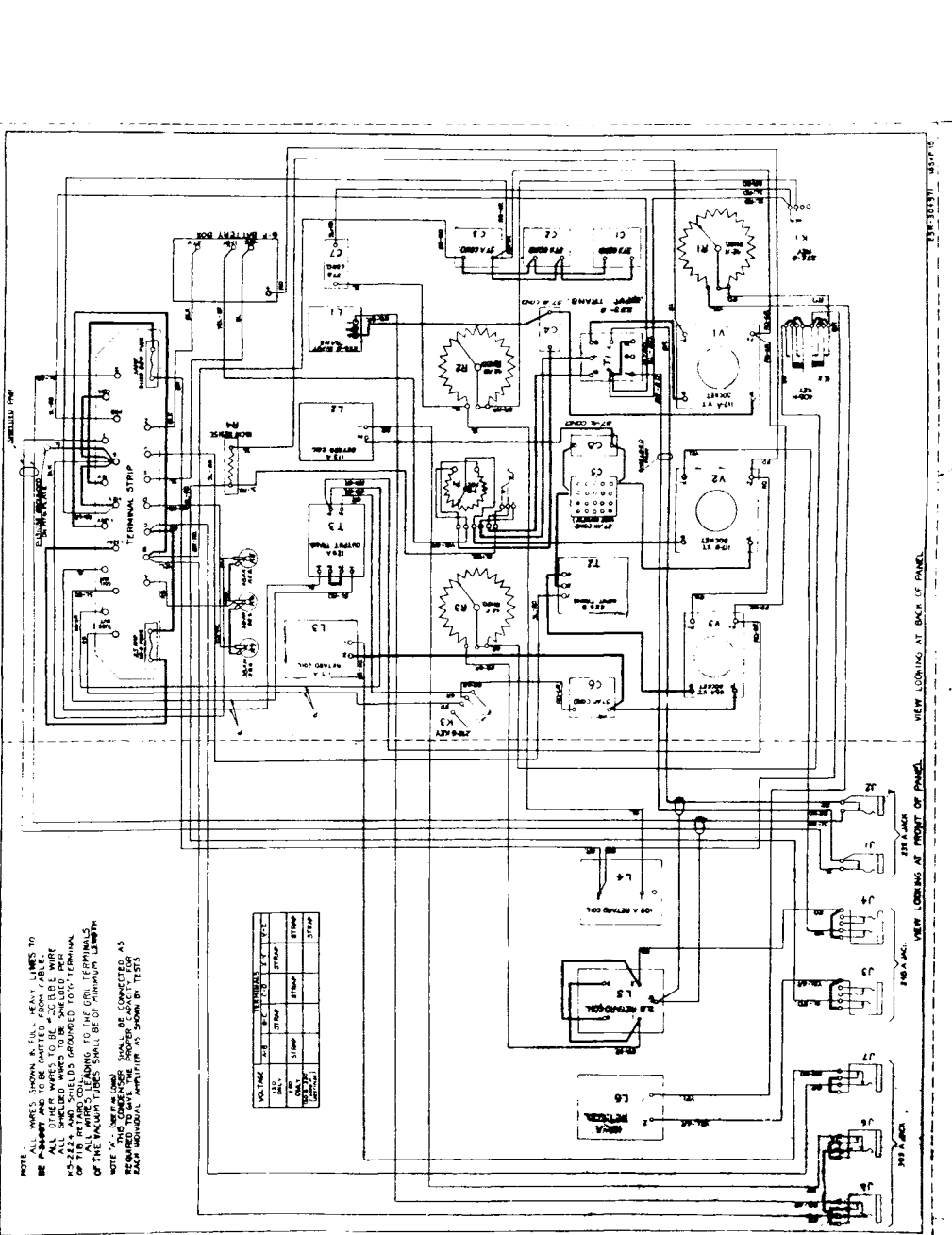


8-B AMPLIFIER
PUBLIC ADDRESS SYSTEM
SCHEMATIC CIRCUIT LABEL

8-B SPEECH INPUT AMPLIFIER SCHEMATIC--ESO-304581

ESO 304581



NOTE: WIRES SHOWN ON TUBULAR STRIPS SHALL BE AS SHOWN. ALL FULL REAR LINES TO BE ALUMINUM WIRE. ALL OTHER WIRES TO BE #20 GAGE. ALL CABLE WIRE #14-16. ALL INSULATION TO BE PROPERLY APPLIED TO ALL TERMINALS OF THE REAR PANEL. CONTACTS TO THE GROUND TERMINALS OF THE VACUUM TUBES SHALL BE OF MINIMUM LENGTH.

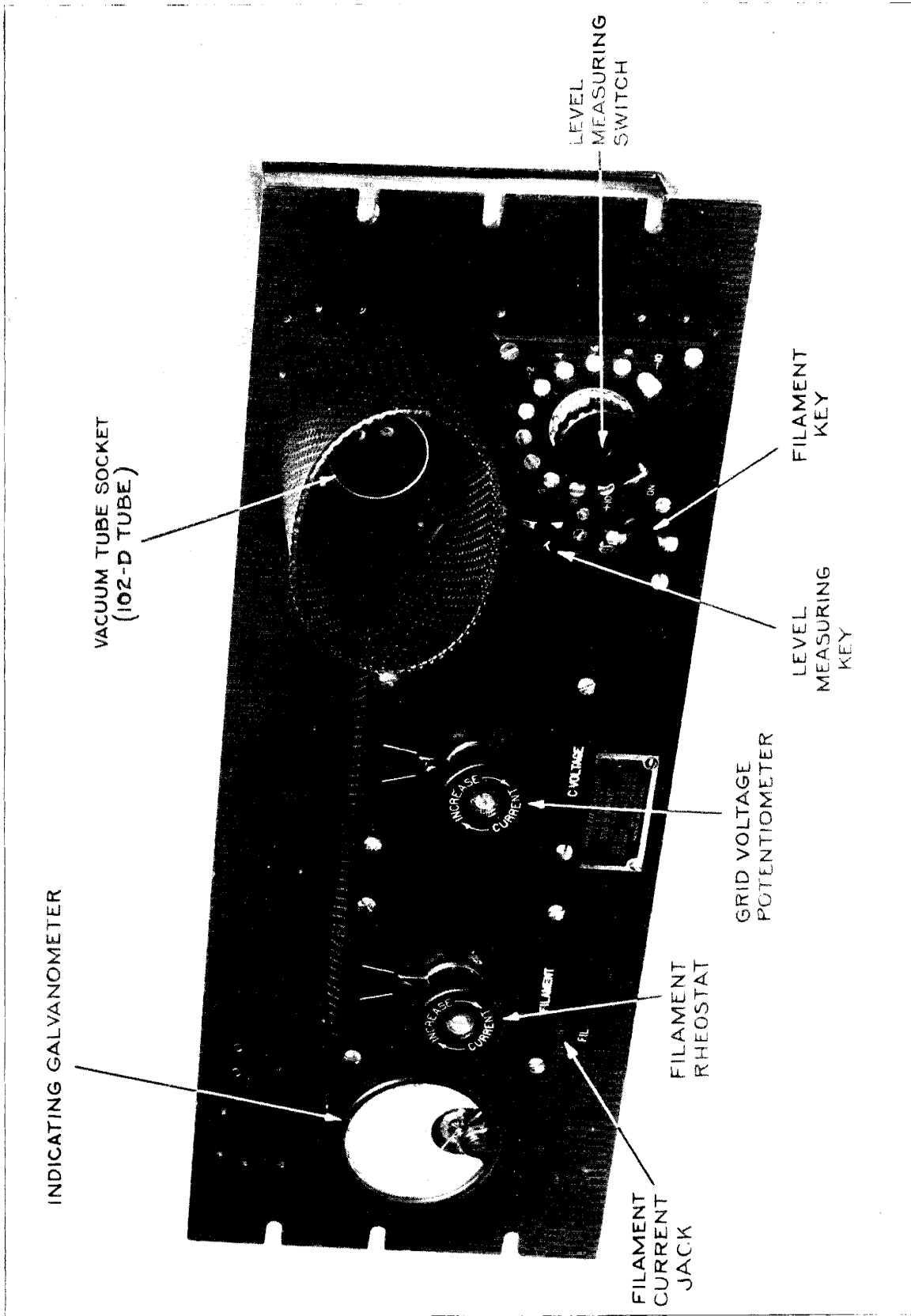
NOTE: VOLTAGE VALUES SHOULD BE MAINTAINED AS SHOWN BY TESTS. THE PROPER CAPACITORS FOR EACH INDIVIDUAL AMPLIFIER AS SHOWN BY TESTS.

VOLUME	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
ALL	STRIP	STRIP	STRIP	STRIP	STRIP	STRIP	STRIP	STRIP	STRIP	STRIP	STRIP	STRIP
RESISTANCE	1000 OHMS	1000 OHMS	1000 OHMS	1000 OHMS	1000 OHMS	1000 OHMS	1000 OHMS	1000 OHMS	1000 OHMS	1000 OHMS	1000 OHMS	1000 OHMS
TYPE	5W	5W	5W	5W	5W	5W	5W	5W	5W	5W	5W	5W

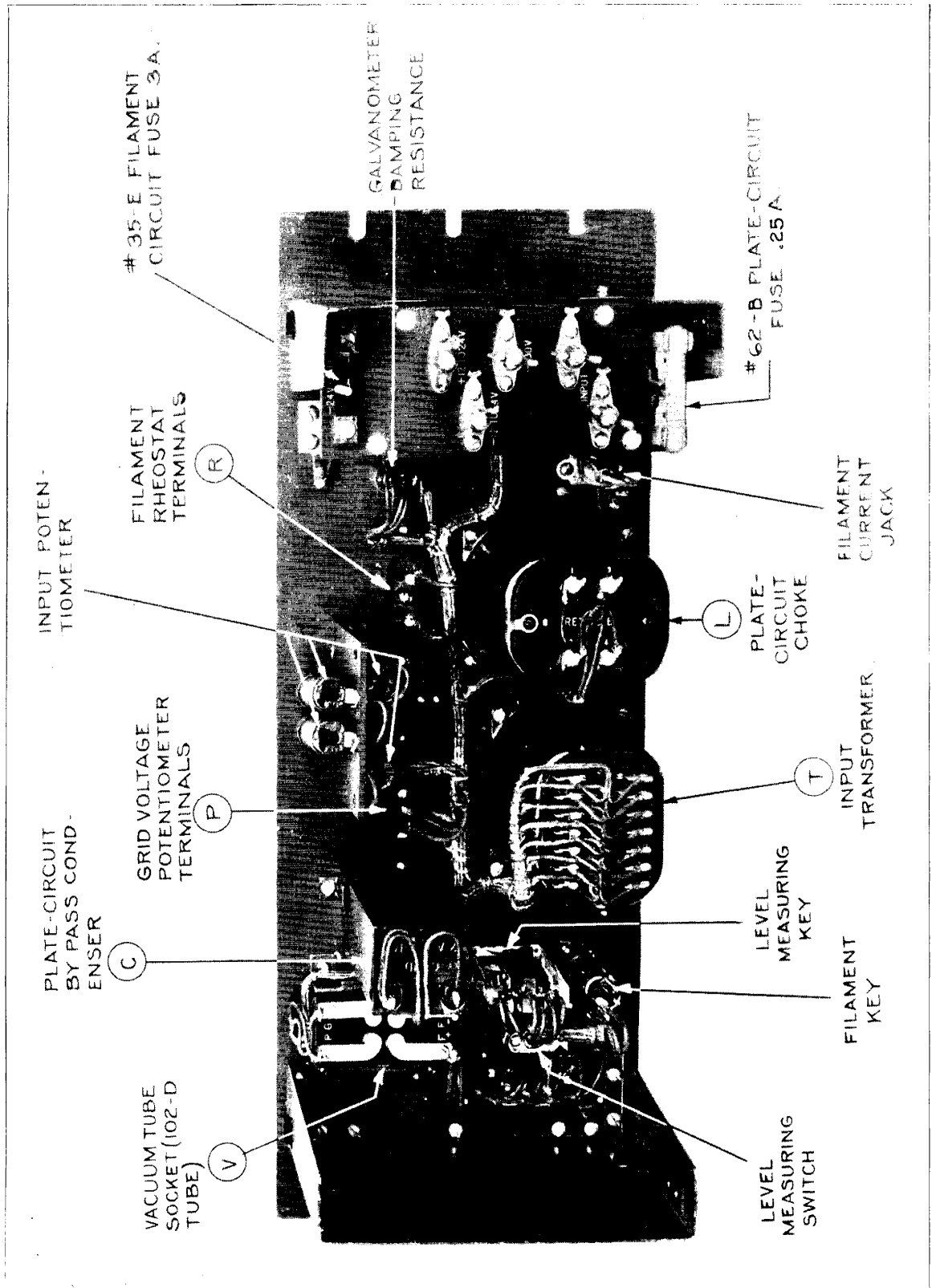
8-B AMPLIFIER
FOR
PUBLIC ADDRESS SYSTEM
WIRING DIAGRAM

8-B SPEECH INPUT AMPLIFIER WIRING DIAGRAM—ESR-304971

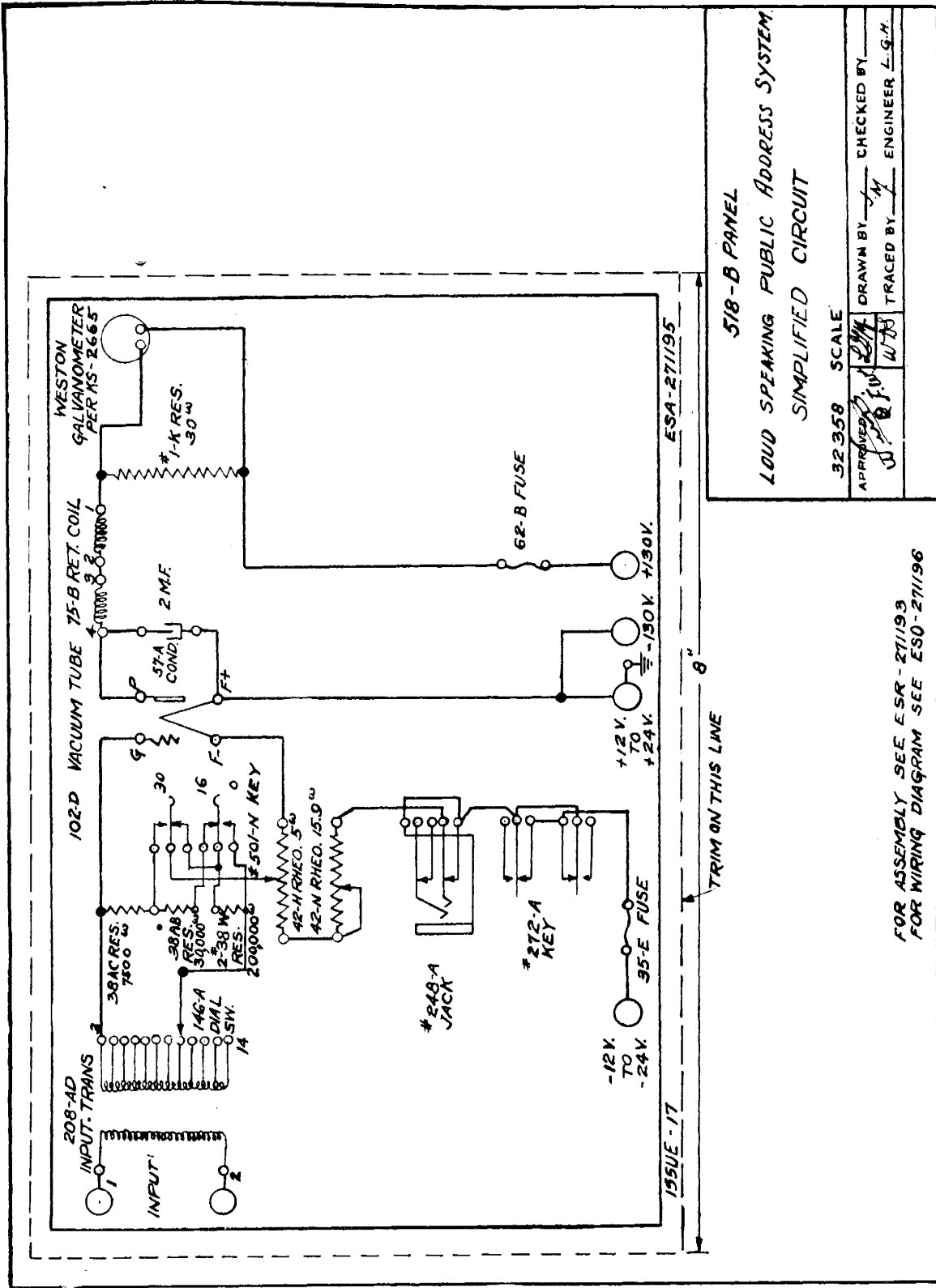
ESR-304971



518-B VOLUME INDICATOR PANEL, FRONT VIEW-21435



518-B VOLUME INDICATOR PANEL, REAR VIEW—26100



518-B PANEL
 LOUD SPEAKING PUBLIC ADDRESS SYSTEM
 SIMPLIFIED CIRCUIT

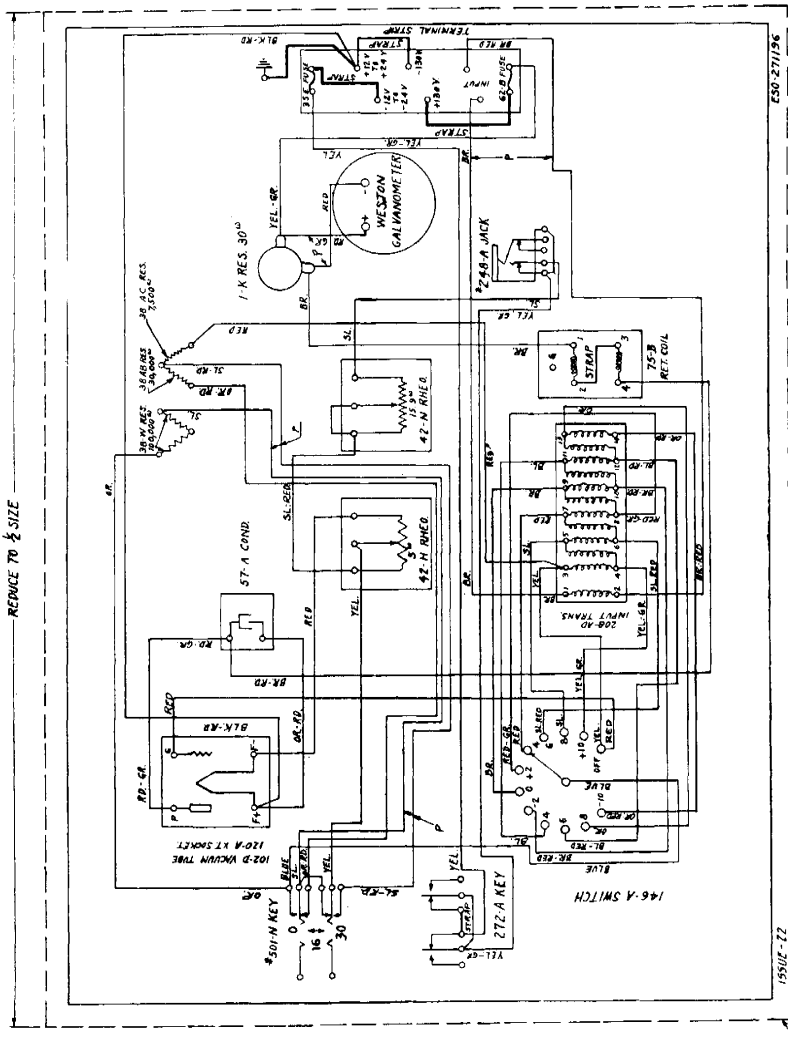
32358 SCALE

APPROVED: [Signature]
 DRAWN BY: [Signature] ENGINEER L.G.M.
 TRACED BY: [Signature]

FOR ASSEMBLY SEE ESR-271193
 FOR WIRING DIAGRAM SEE ESO-271196

518-B VOLUME INDICATOR PANEL SIMPLIFIED CIRCUIT—ESA-271195

REDUCE TO 1/2 SIZE



ESO-271196

Wires to be of colors & kind specified on cable
Straps to be run with P 26597

15502-72

TRIM ON THESE LINES

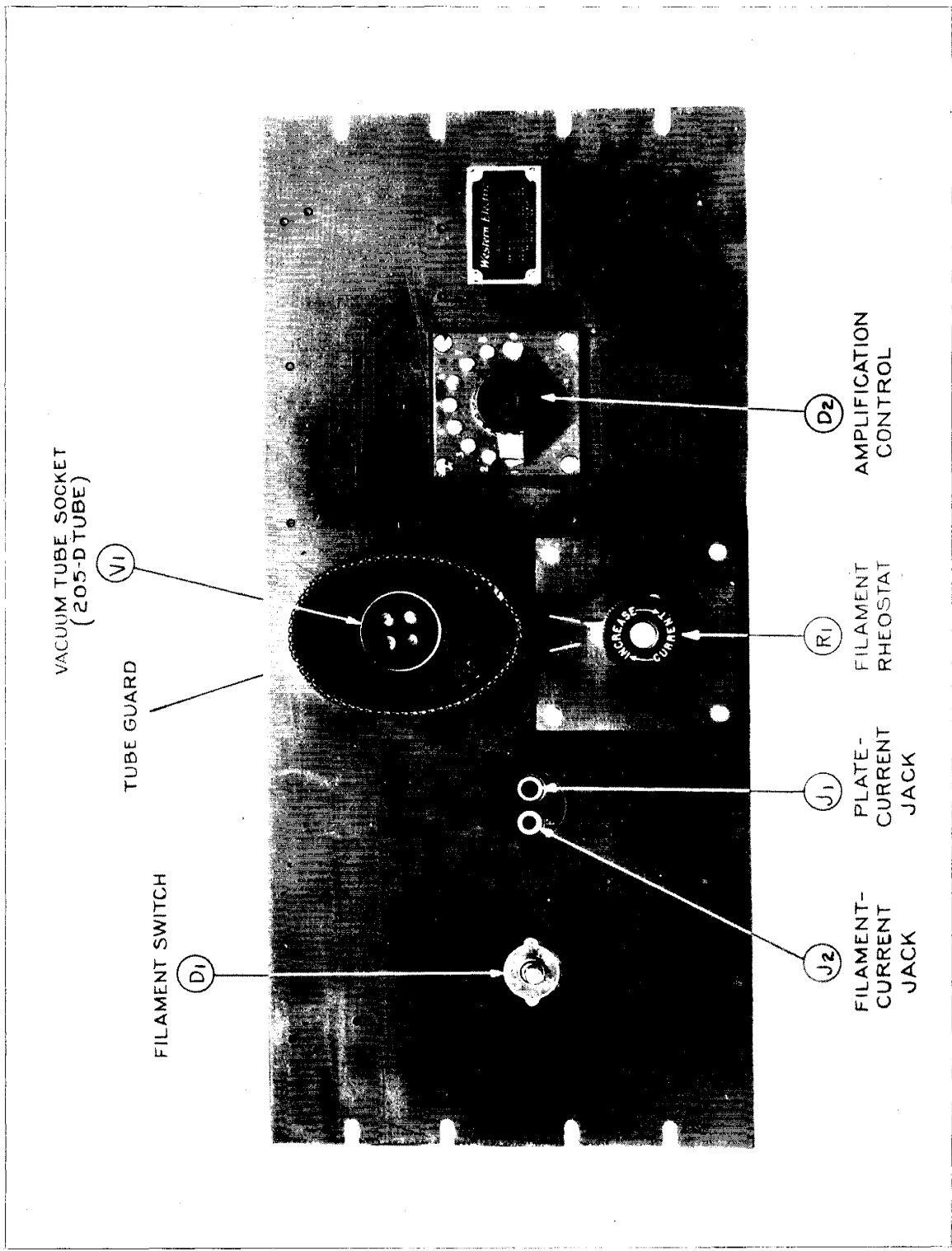
FOR CABLE SEE ESO-271197
FOR ASSEMBLY SEE ESR-271193
FOR SIMPLIFIED CIRCUIT LABEL
SEE ESA-271195

518-B PANEL
LOUD SPEAKING PUBLIC ADDRESS SYSTEM
WIRING DIAGRAM

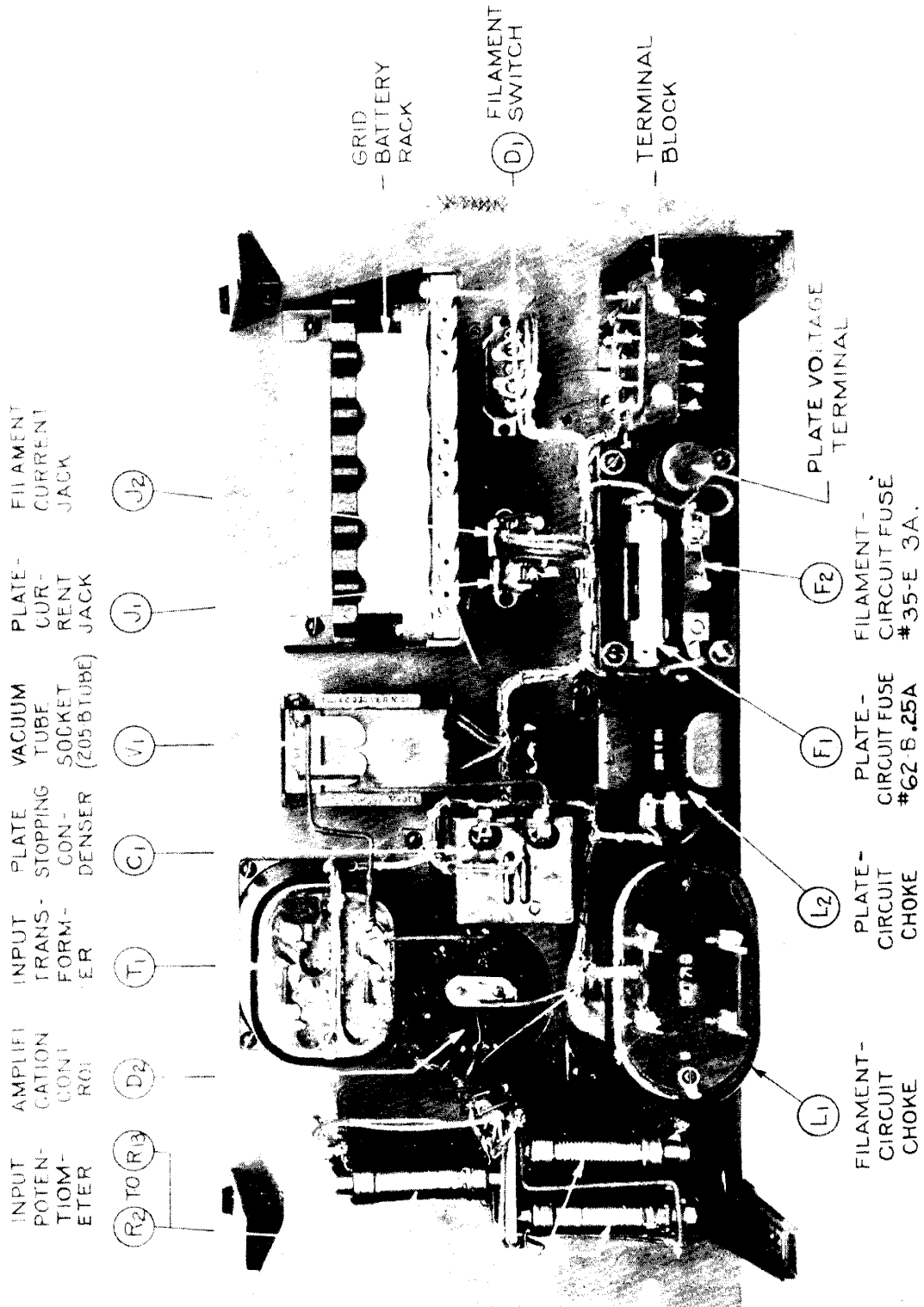
DATE	SCALE	DESIGNED BY	CHECKED BY
10/1/52	1/8"	W.A.B.	W.A.B.
		INCHES W.A.B. - BUSINESS 50	

ESO-271196

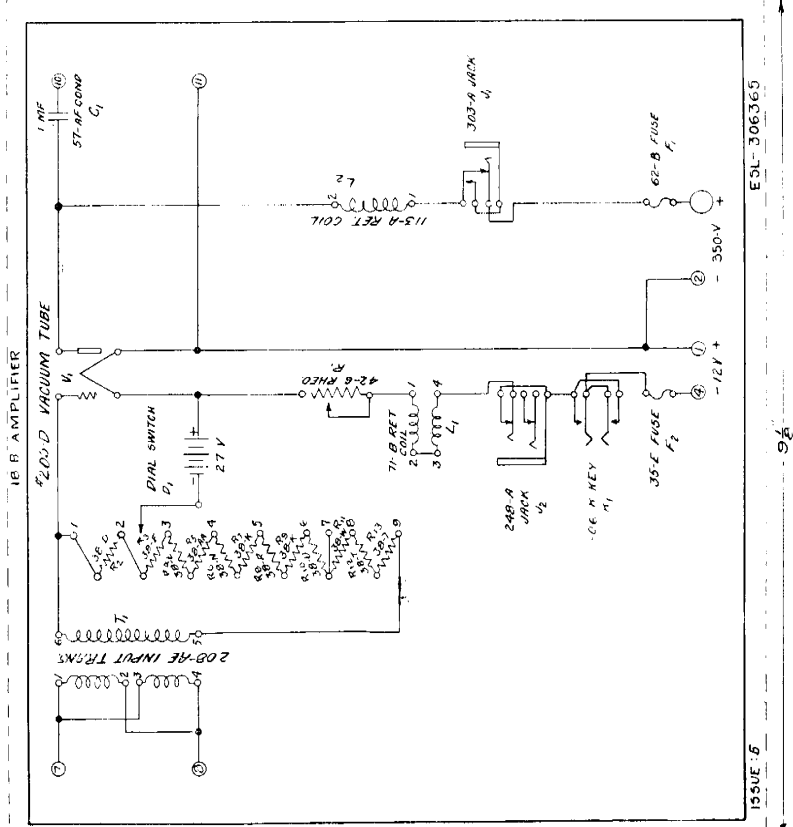
518-B VOLUME INDICATOR PANEL WIRING DIAGRAM—ESO-271196



18-B MONITORING AMPLIFIER FRONT VIEW—26103



18-B MONITORING AMPLIFIER REAR VIEW—26102



ESL-306365

ISSUE 5

9 1/2"

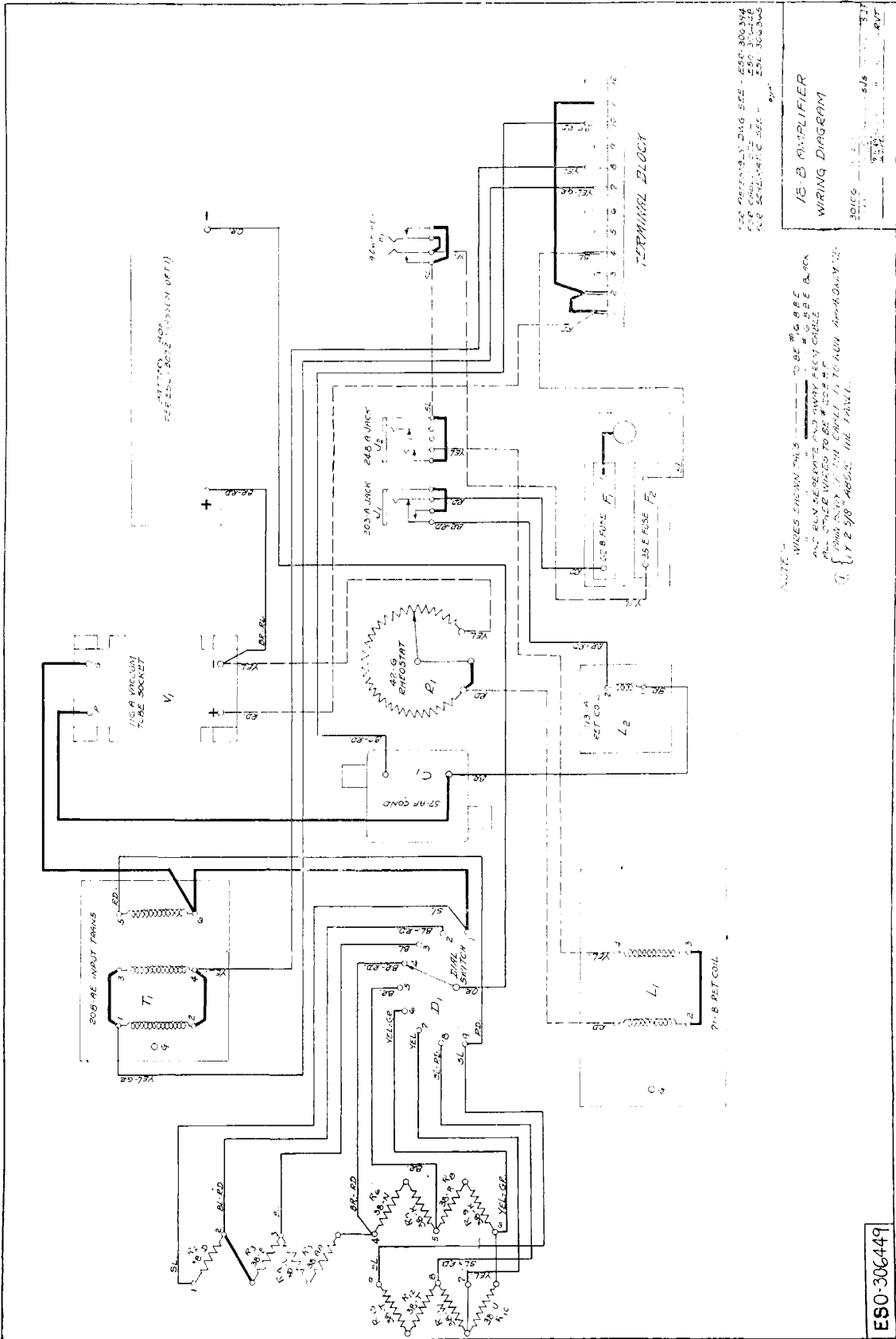
**18-B AMPLIFIER
SCHEMATIC
&
CIRCUIT LABEL**

SCALE 400%
 DRAWN BY B. J. (checked by S.J.F)
 TRACED BY R. (checked by R.V.T)
 APPROVED BY P.P.P. (checked by R.V.T)
 DATE 1/27/52
 E. I. LABORATORIES, INC., 3500 DEPT. 4

FOR ASSEMBLY SEE ESL-306394
 FOR WIRING DIAGRAM SEE ESL-306419

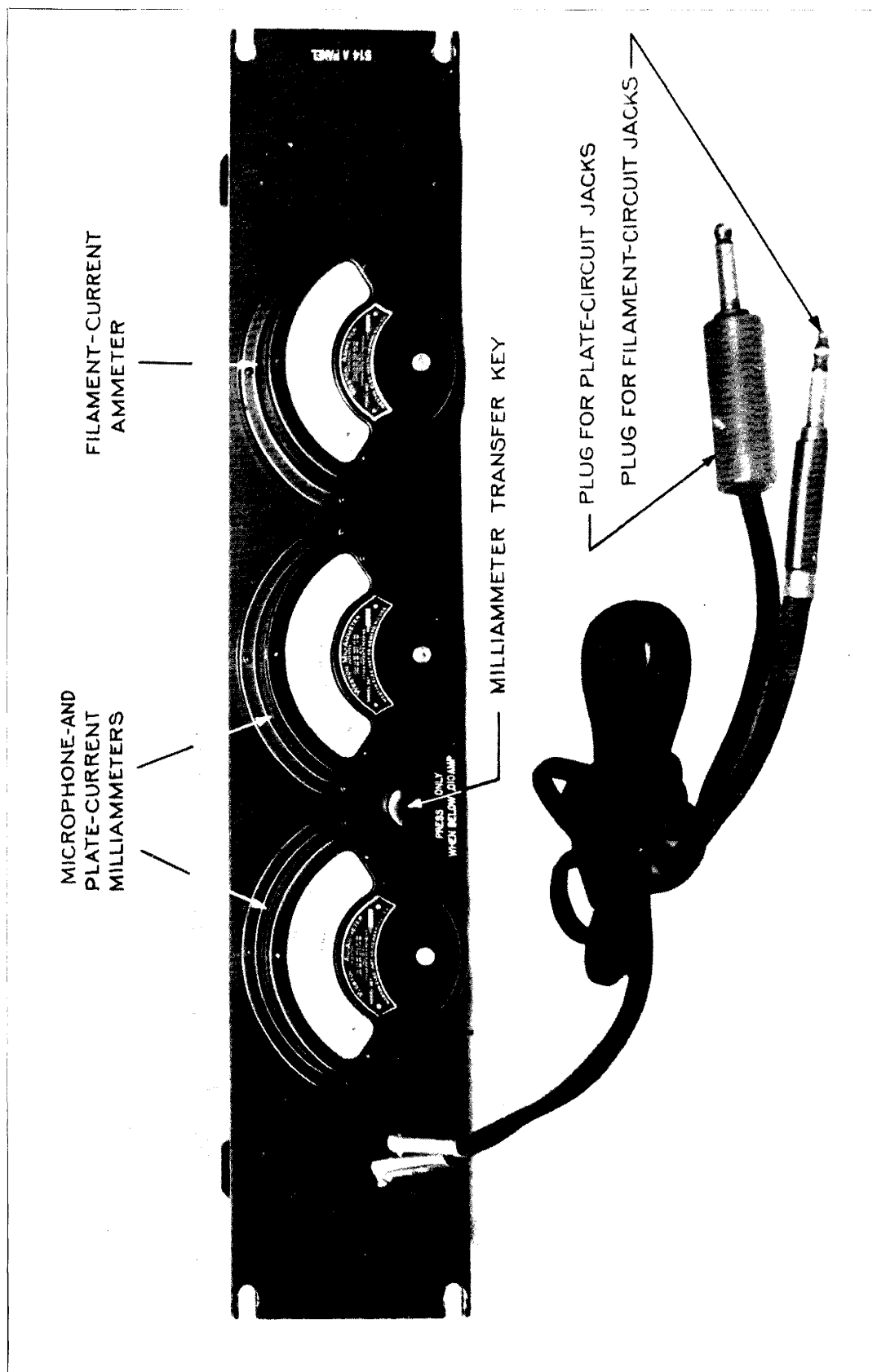
ESL-306365

18-B AMPLIFIER SCHEMATIC - ESL-306365

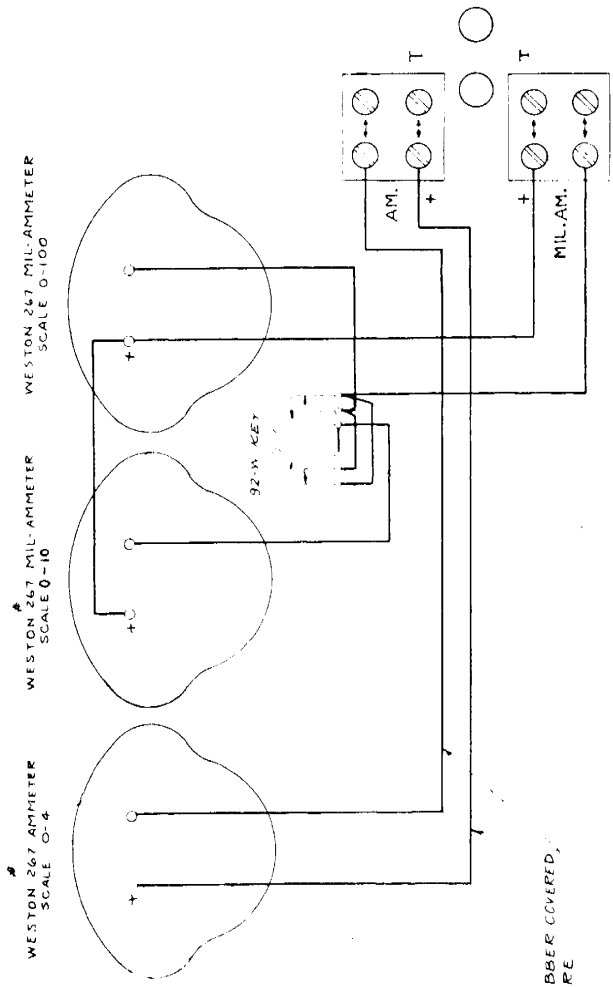


18-B AMPLIFIER WIRING DIAGRAM—ESO-306449

ESO-306449



514-A METER PANEL--21448



USE #4 PARAKELL RUBBER COVERED,
TINNED COPPER WIRE

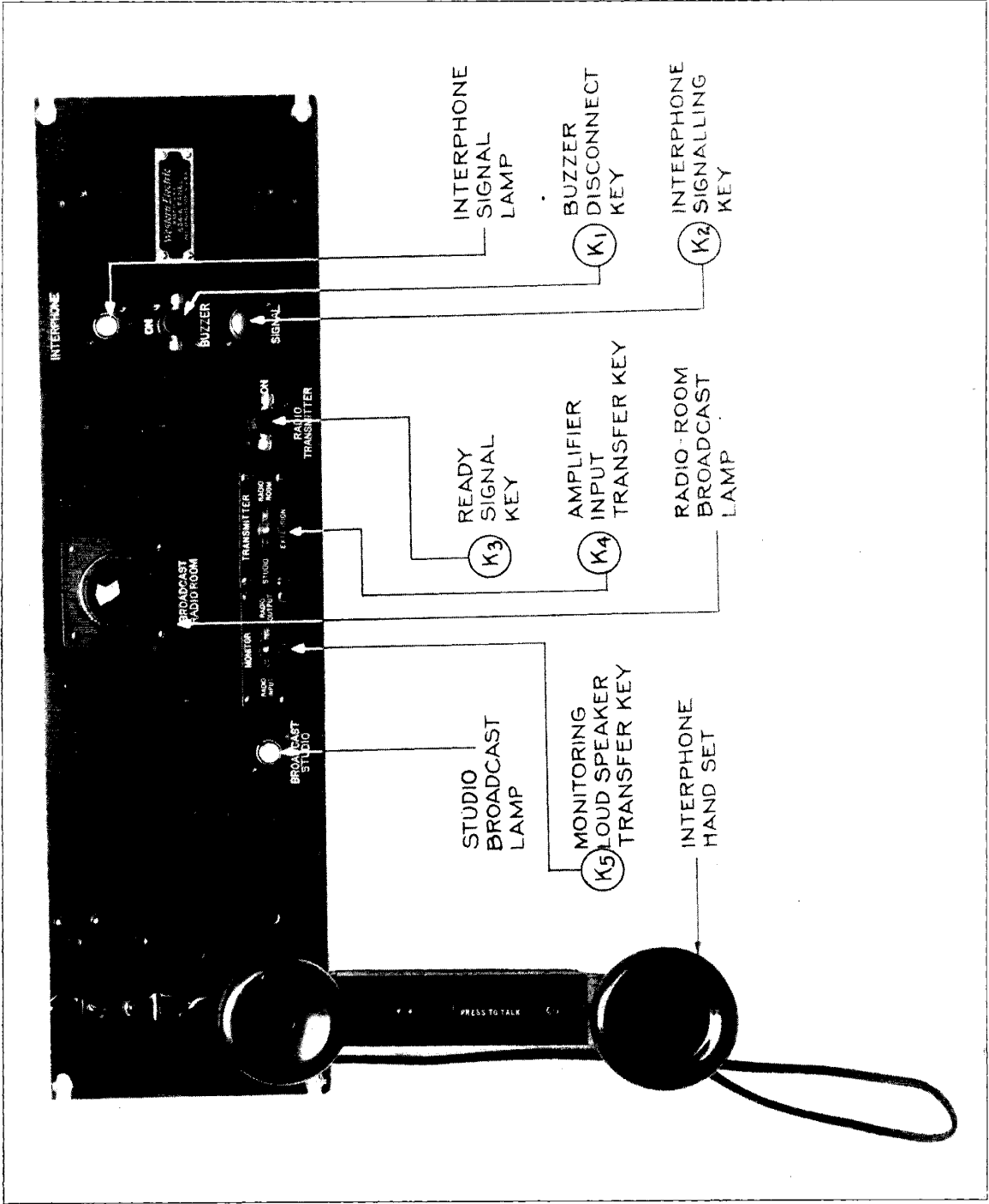
VIEW LOOKING AT BACK OF PANEL

FOR ASSEMBLY SEE ESR-259562
 LOUD SPEAKING PUBLIC
 ADDRESS SYSTEM
 519A PANEL
 WIRING DIAGRAM

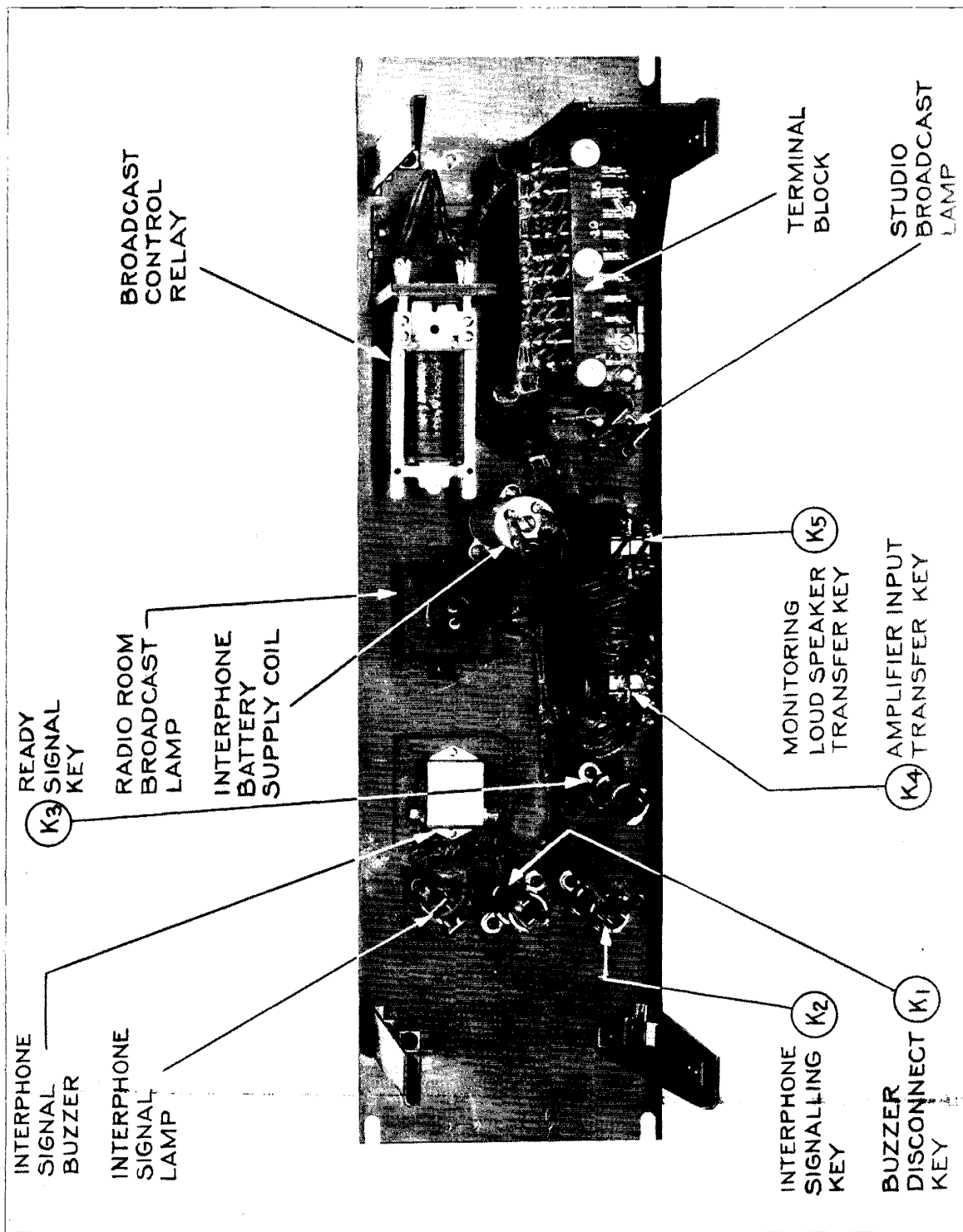
31320 SCALE
 DRAWN BY JJC CHECKED BY JJC
 1/25/53
 MADE BY JJC ENGINEER, E. I.
 SYSTEM ELECTRIC COMPANY, INCORPORATED N. Y. Eng. Dept.

ESL-259576

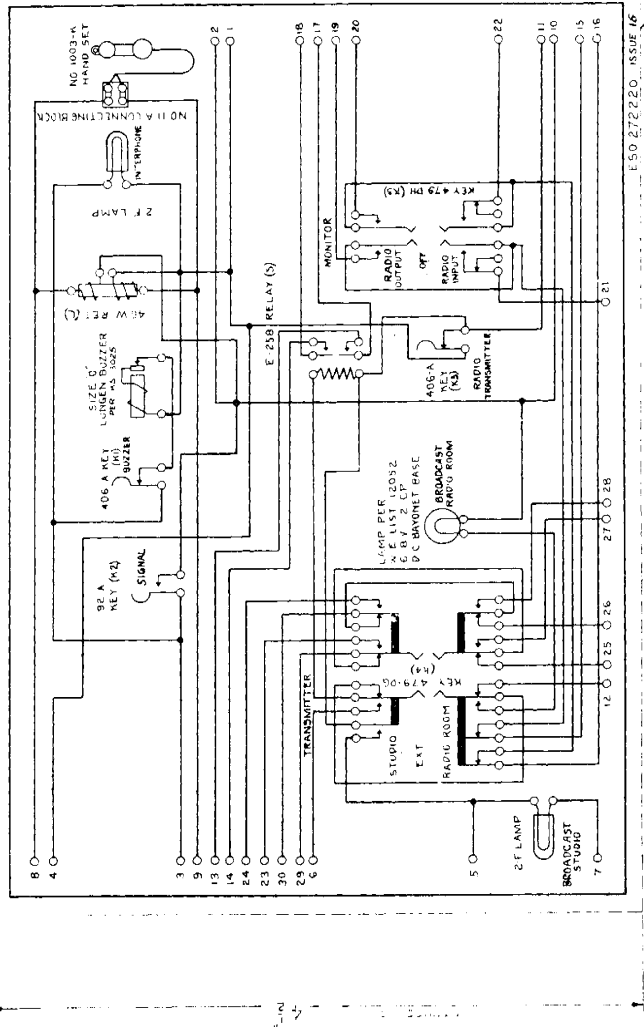
514-A METER PANEL WIRING DIAGRAM—ESL-259576



534-A SIGNAL AND CONTROL PANEL FRONT VIEW-21436



534-A SIGNAL AND CONTROL PANEL REAR VIEW-21440



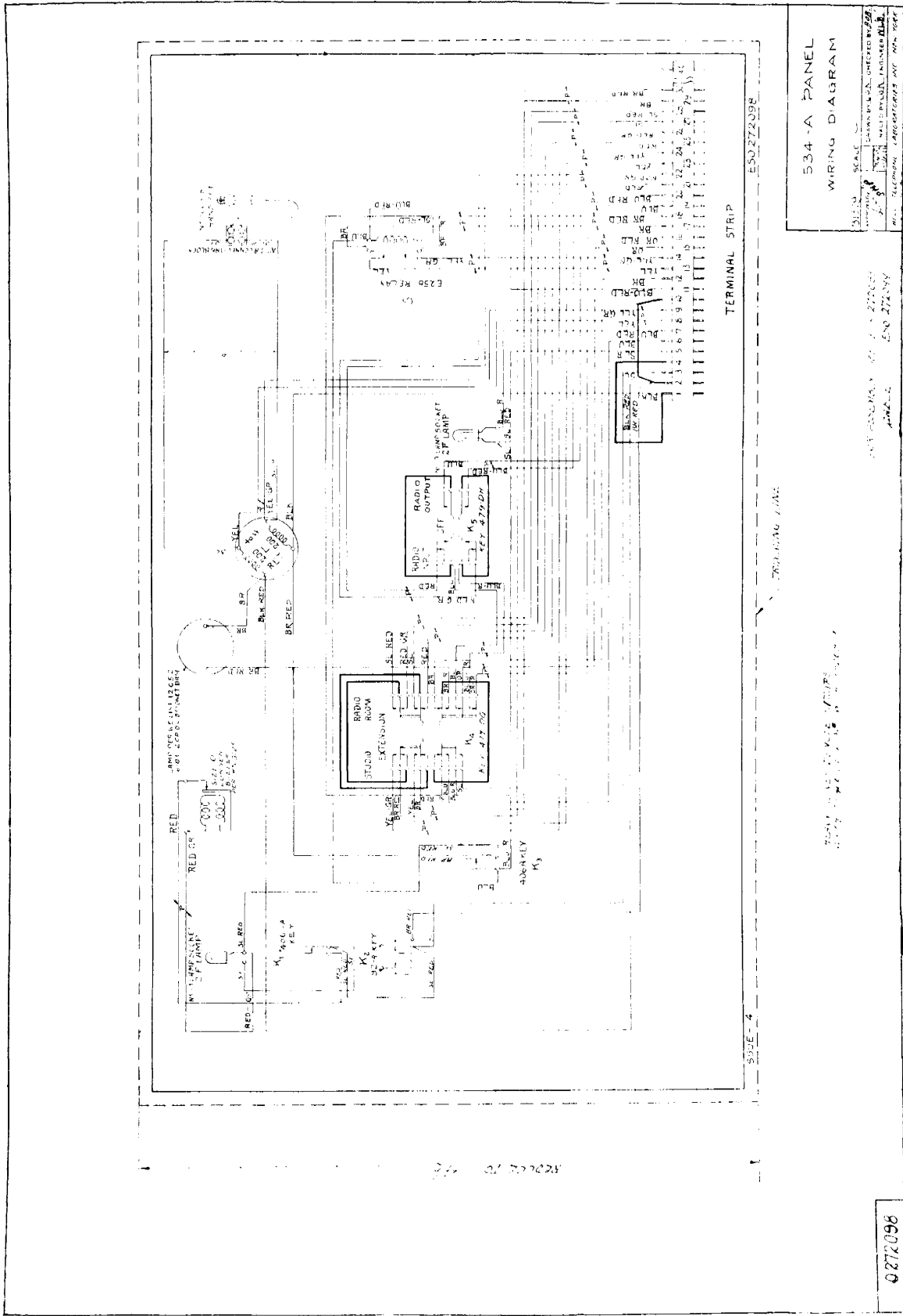
ASSEMBLY: CAR-272084
WIRING DIAGRAM: ENC-272098
CABLE DRAWING: ENC-272099

534-A PANEL
CIRCUIT LABEL

SCALE: 1/4" = 1'-0"
BY: [Signature]
CHECKED BY: [Signature]
DATE: [Signature]

534-A SIGNAL AND CONTROL PANEL SCHEMATIC—ES0-272220

ES0-272220



SCALE 1/16" = 1"

534-A PANEL
WIRING DIAGRAM

SCALE 1/16" = 1"
 DRAWN BY J. M. H. CHECKED BY J. M. H.
 DATE 10-1-51
 PROJECT 534-A
 REVISION 1
 WILLIAM SULLIVAN ENGINEERING, INC.
 1001 CALIFORNIA STREET, NEW YORK 17, N.Y.

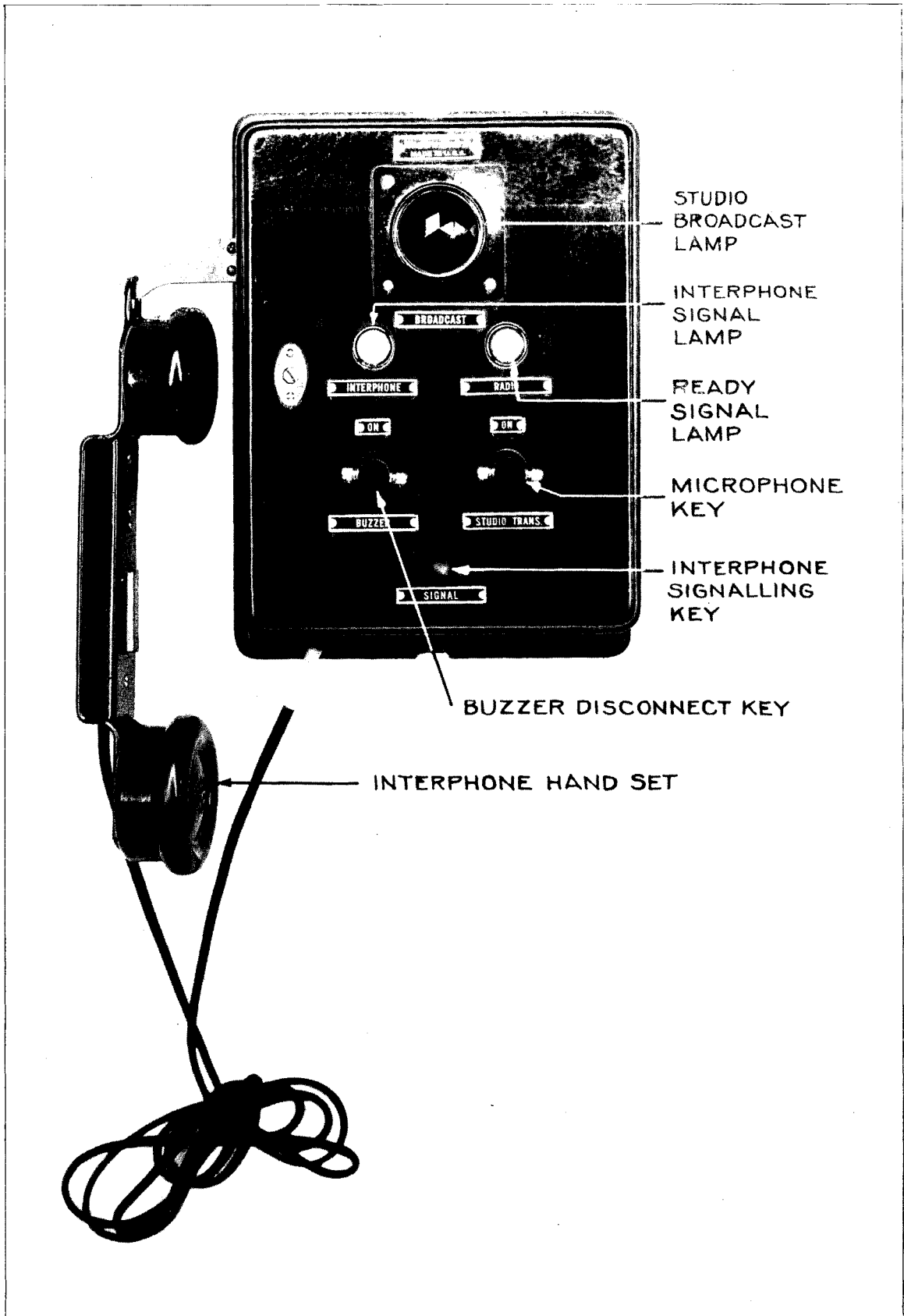
1001 CALIFORNIA STREET, NEW YORK 17, N.Y.
 PROJECT 534-A
 DRAWING NO. 534-272098

TERMINAL STRIP

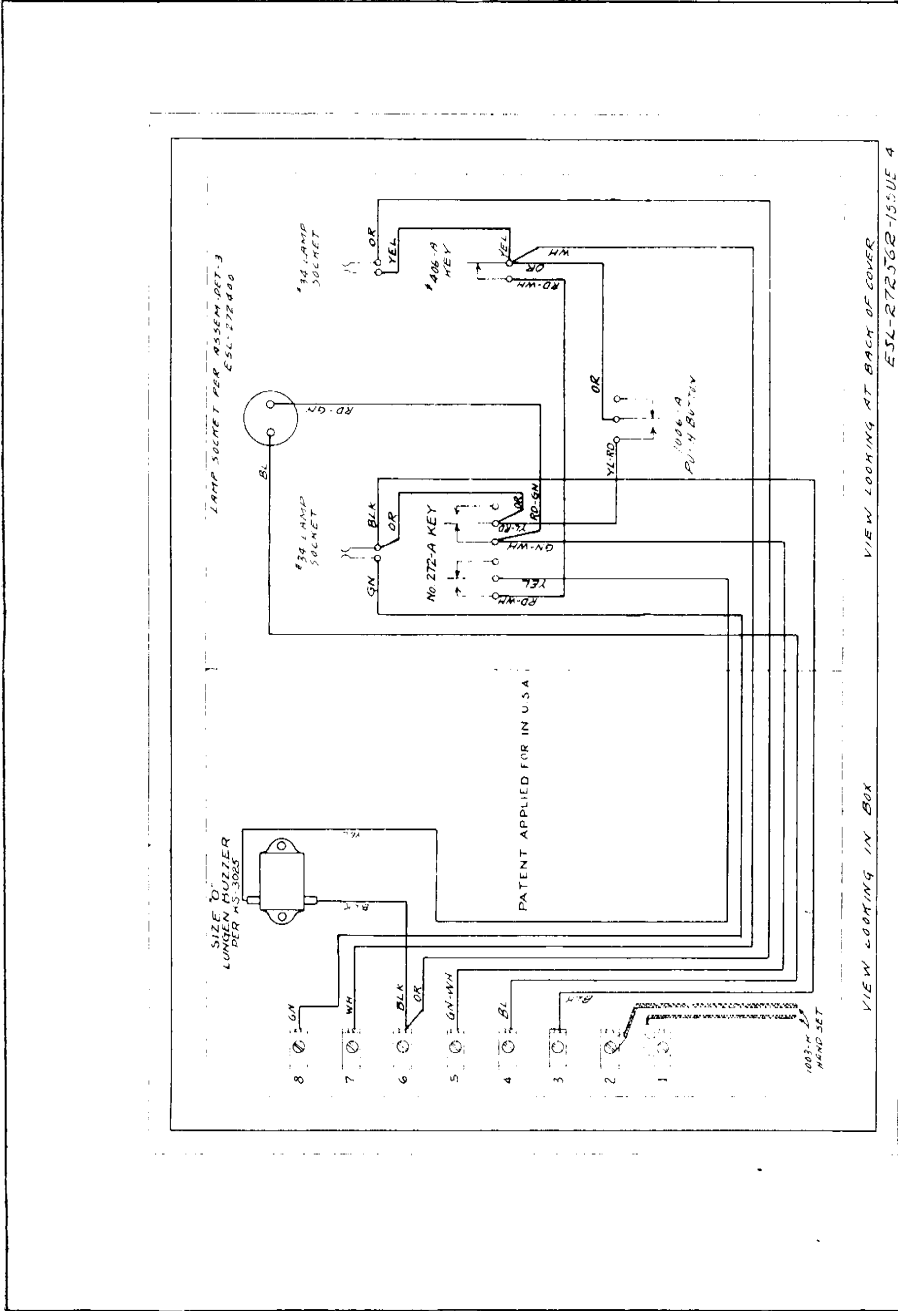
534-4

0272098

534-A SIGNAL AND CONTROL PANEL WIRING DIAGRAM—E50-272098



6045-A TELEPHONE SET—21449



NOTE
WIRE WITH #22 SPECIAL Tinned
US SINGLE LAMP CORD PER A.S. 1644

FOR ASSEMBLY SEE ESU-272560

SCALE 3/32"

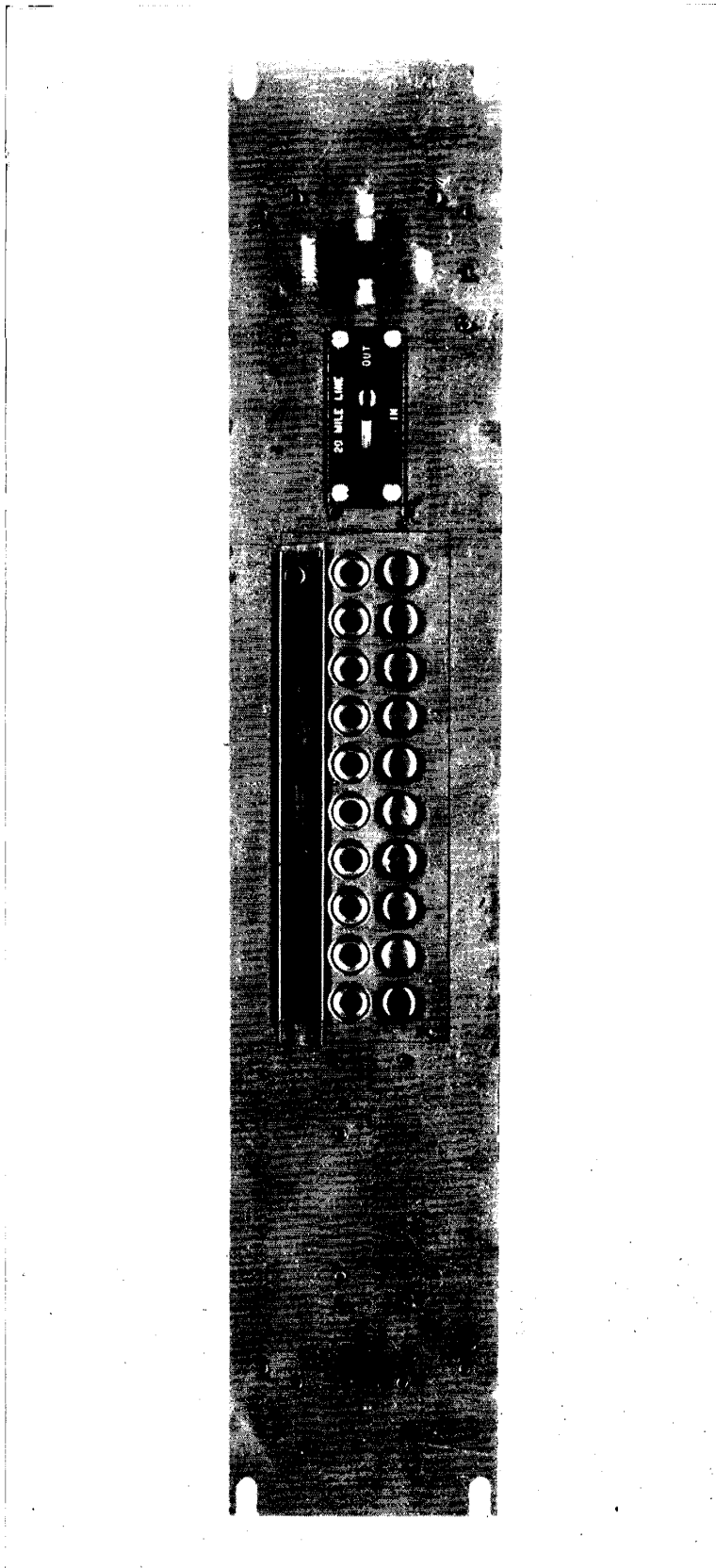
522-A SUBSCRIBERS SET
FOR
RADIO BROADCASTING STUDIO
CIRCUIT LABEL

DRN 57
JES

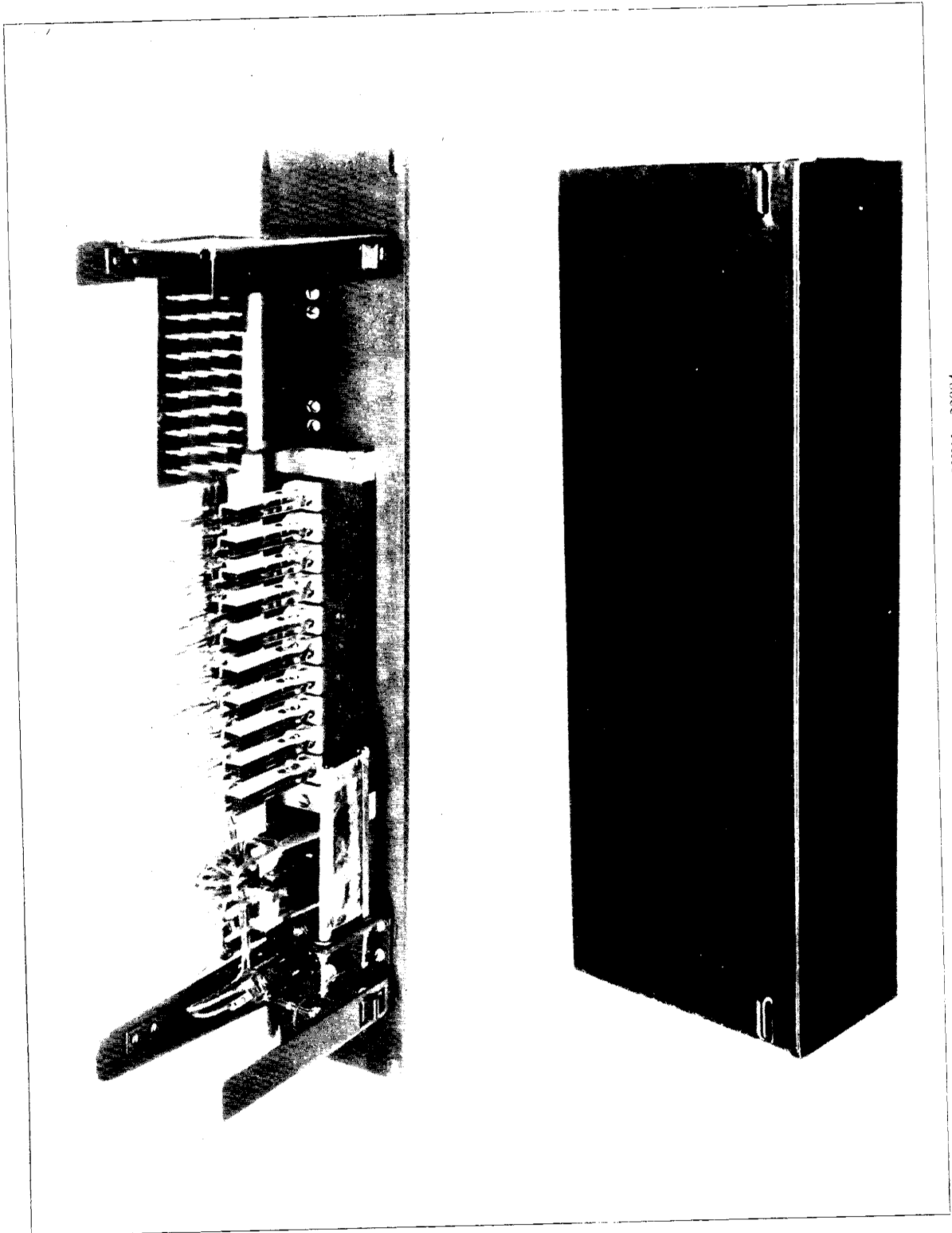
SCALE
DRAWN BY A.E.B. CHECKED BY S.H.J.
DESIGNED BY A.F.B. ENGINEER, E.E.T.
NEW YORK

ESL-272562

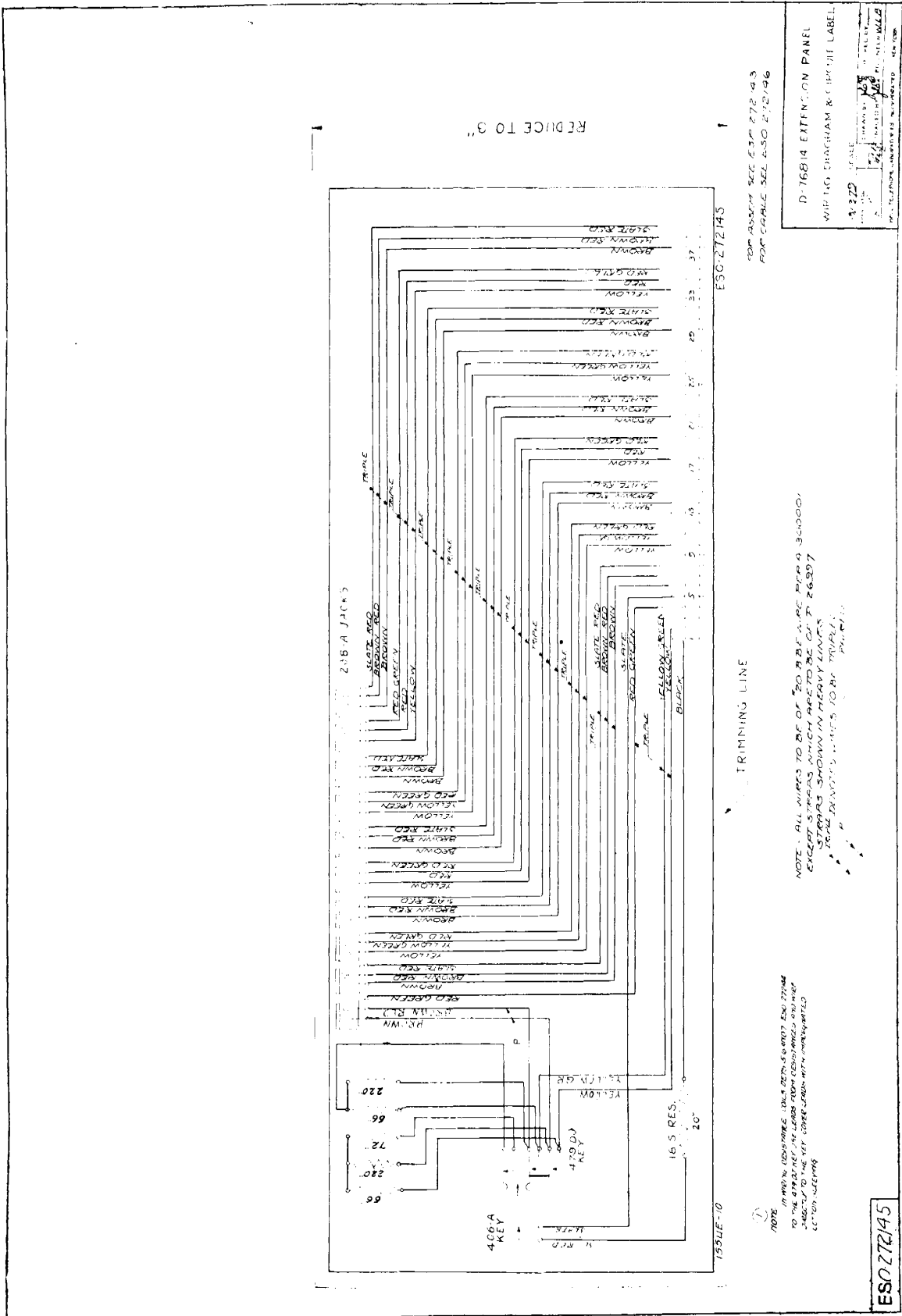
6045-A TELEPHONE SET CIRCUIT LABEL 522-A SUB. SET--ESL-272562



D-76814 EXTENSION PANEL FRONT VIEW-22882



D-76814 EXTENSION PANEL REAR VIEW-22884



TOP BOARD SEC 234 272-43
 FOR CABLE SEE 272/46

D-7684 EXTENSION PANEL
 WIRING DIAGRAM & CABLE LABEL

9-22-50

SCALE: 1/4" = 1'-0"

DATE: 9-22-50

DESIGNED BY: [Signature]

CHECKED BY: [Signature]

APPROVED BY: [Signature]

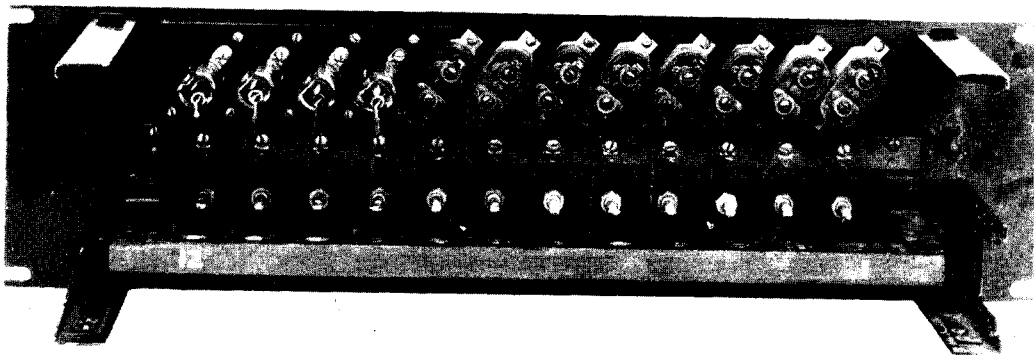
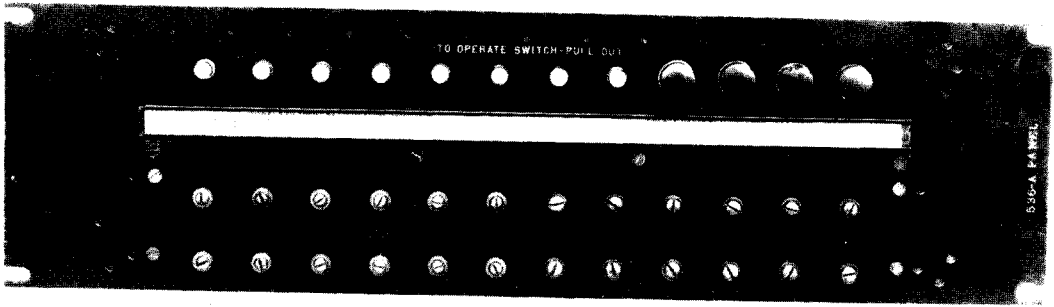
NOTE: ALL WIRES TO BE OF 20 AWG UNLESS OTHERWISE SPECIFIED
 EXCEPT STRIPS WHICH ARE TO BE OF 20 AWG
 STRIPS SHOWN IN HEAVY LINES
 STRIP IDENTIFICATION IS TO BE MADE

TRIMMING LINE

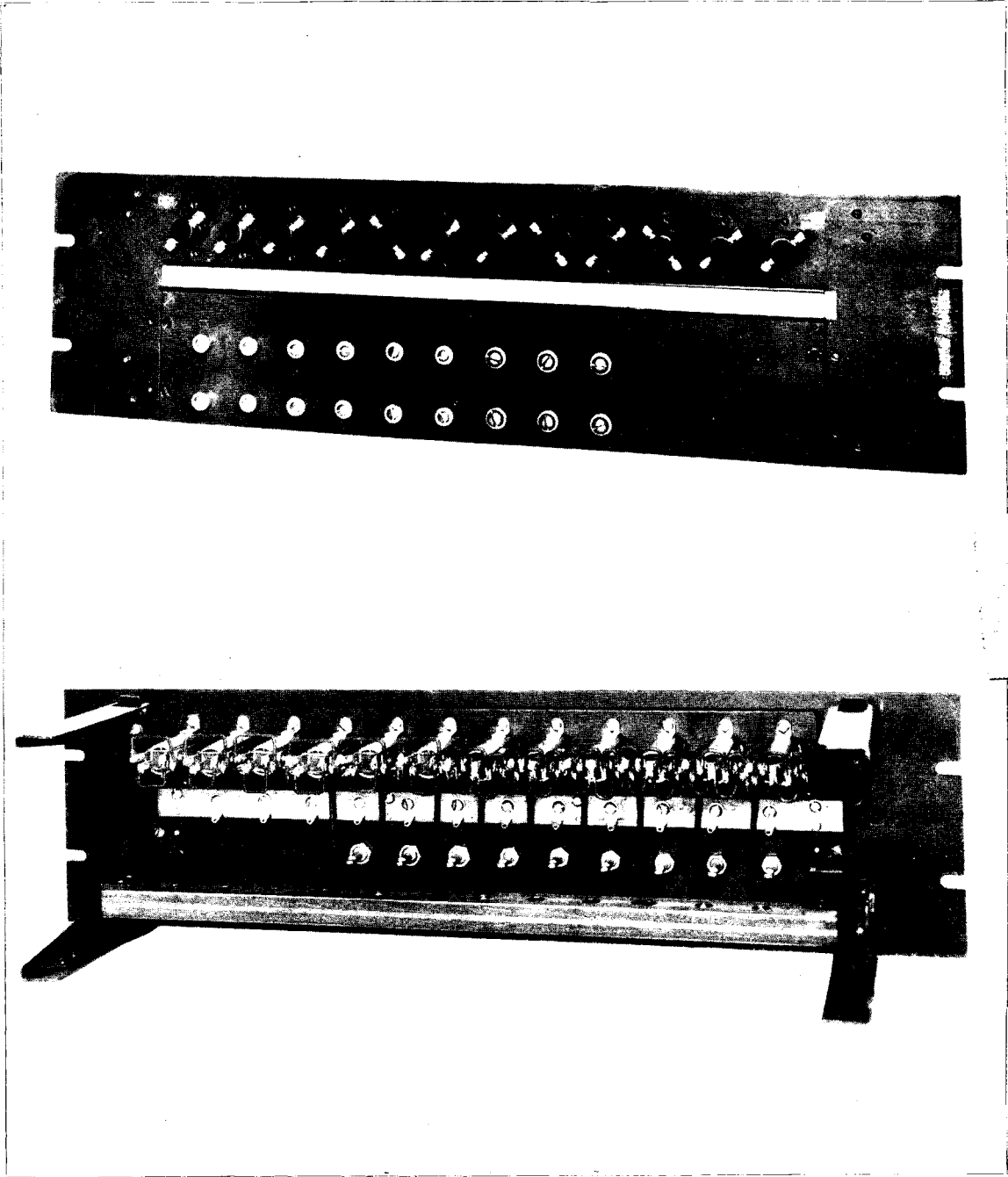
NOTE: IN THIS WIRING, ALL WIRE IS TO BE STRIPPED TO THE 9/16" KEY. THE LEADS FROM THE STRIPPED WIRE MUST BE CONNECTED TO THE KEY CORRESPONDING TO THE IDENTIFICATION NUMBER.

ESO272/45

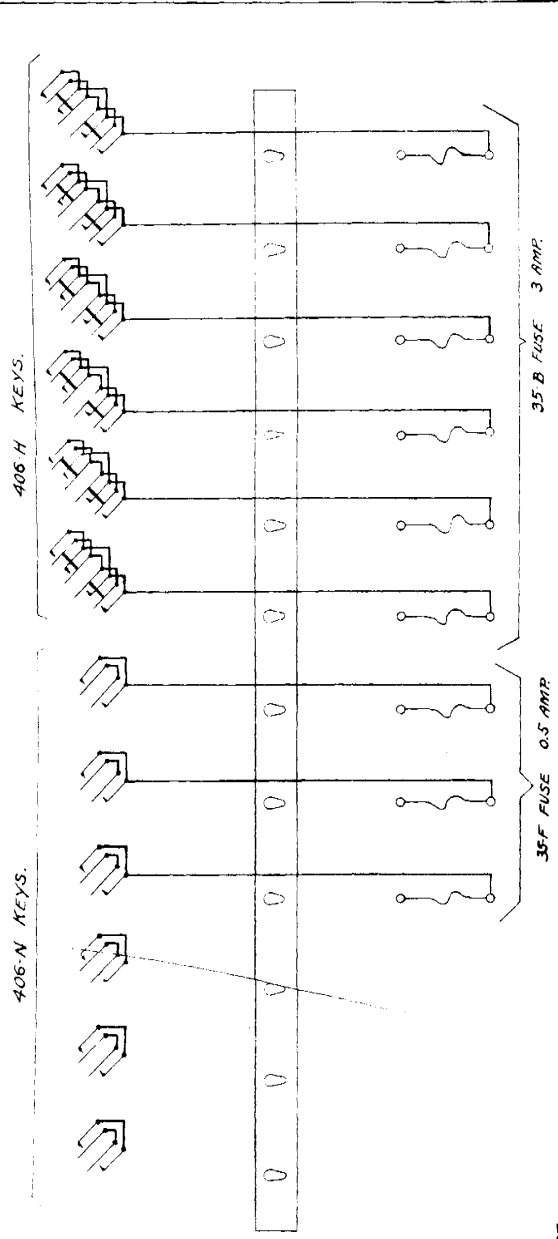
D-7684 EXTENSION PANEL WIRING DIAGRAM—ESO-272/45



536-A BATTERY SUPPLY PANEL (MODIFIED)—23255-C



536-B BATTERY SUPPLY PANEL—22963-C



NOTE
 STRAPPING BETWEEN TERMINALS OF 406
 TYPE KEYS SHALL BE PER P. 2699.
 ALL OTHER WIRING TO BE BLACK #16 BBE
 WIRE PER A. 300001.

NOTE - A
 STRAPS SHALL BE SOLDERED CLOSE
 TO BODY OF KEYS TO LEAVE HOLES
 IN SPRINGS OPEN FOR EXTERNAL
 WIRING

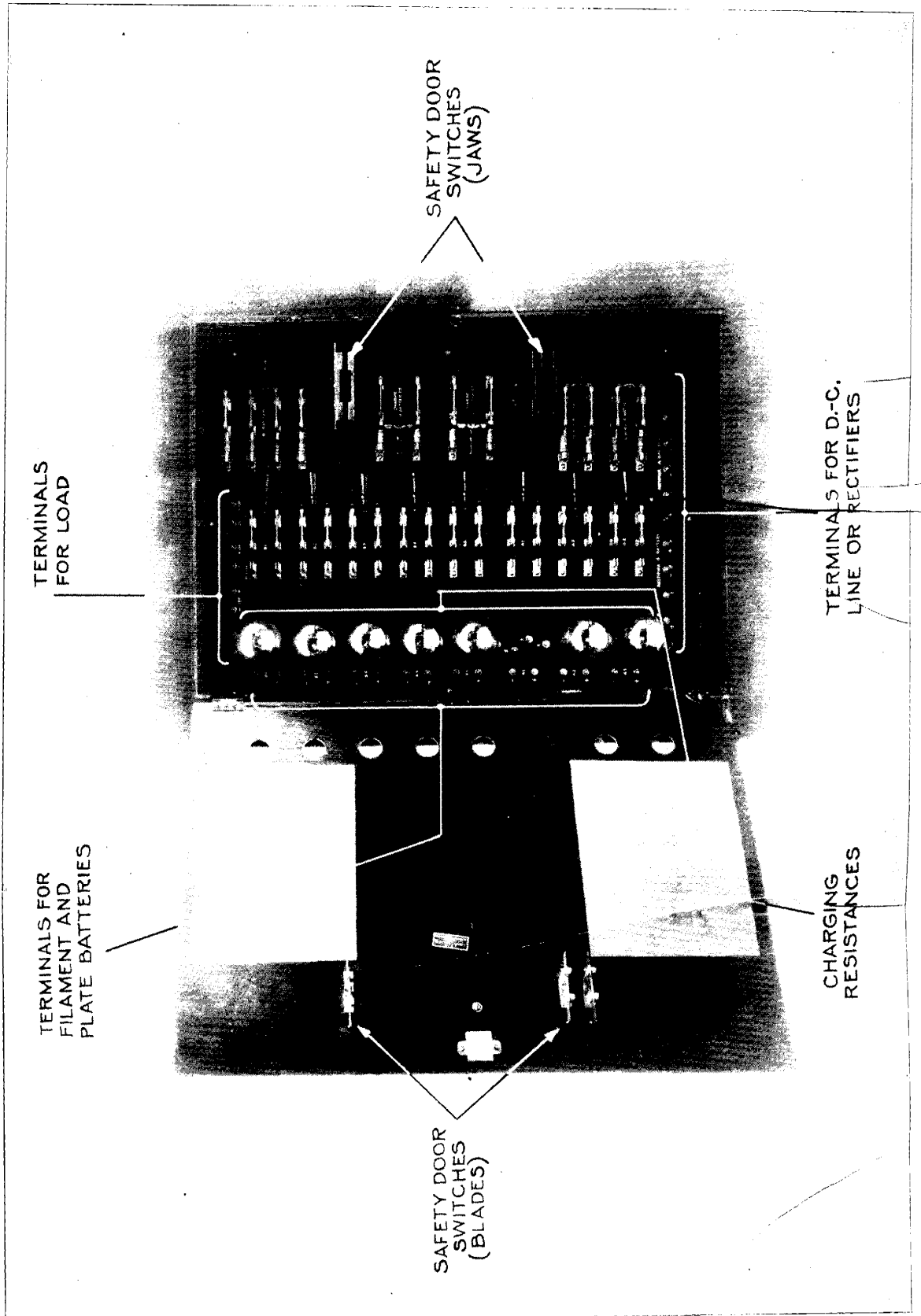
APPROVED
 FOR ASSEMBLY SEE ESR-302269

536-B PANEL
 RADIO BROADCASTING EQUIPMENT
 BATTERY SUPPLY AND FUSE PANEL
 WIRING DIAGRAM

32344 SCALE
 APPROVAL: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]
 R.A. [Signature] TRACED BY: [Signature] ENGINEER: E.V.T.
 BELL TELEPHONE LABORATORIES NEW YORK

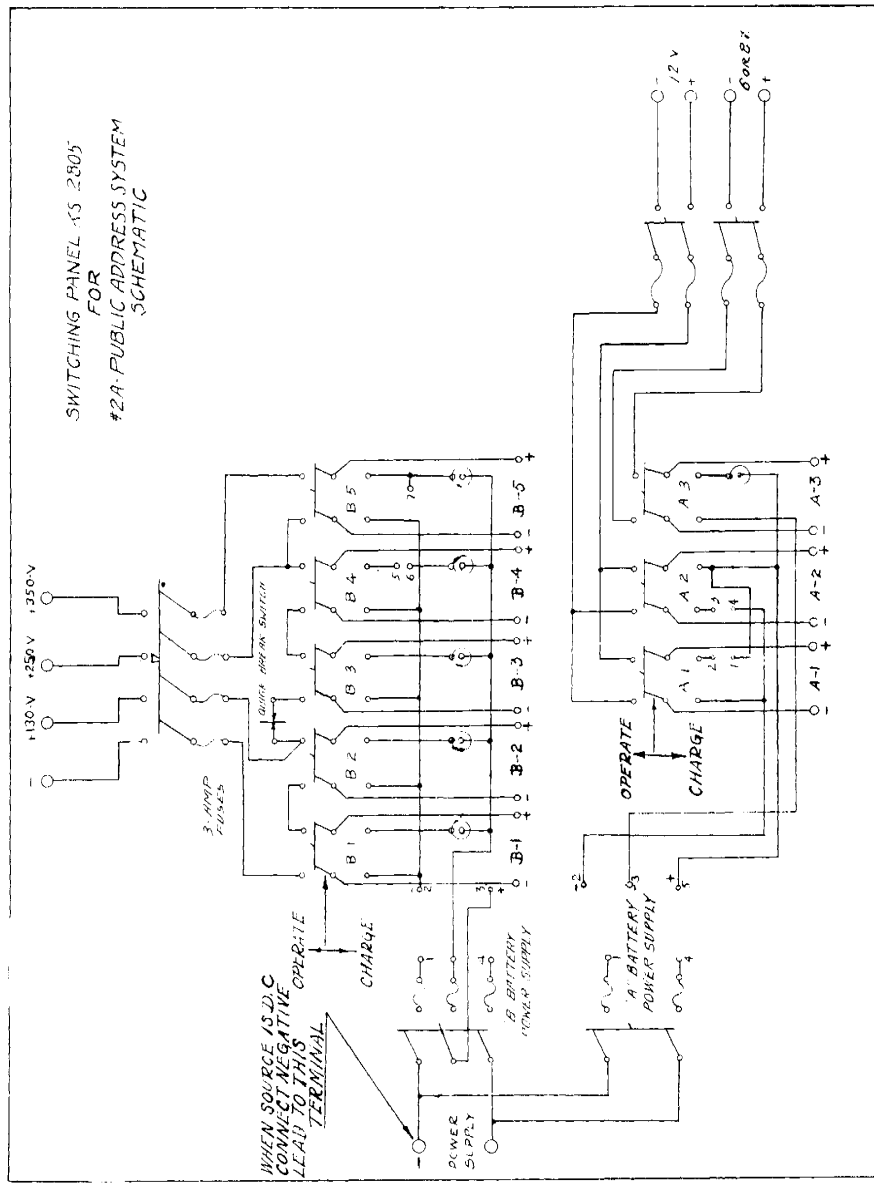
ESL-302270

536-B BATTERY SUPPLY PANEL WIRING DIAGRAM—ESL-302270



KS-2805 BATTERY CHARGING AND SWITCHING PANEL--21445

SWITCHING PANEL KS 2805
FOR
#2A-PUBLIC ADDRESS SYSTEM
SCHEMATIC



E6L - 305070

BATTERY CHARGING & SWITCHING
PANEL KS 2805
#2A-PUBLIC ADDRESS SYSTEM
SCHEMATIC

32614 SCALE
APPROVED BY: [Signature]
DRAWN BY: P.C.S. CHECKED BY: W.S.D.
TRACED BY: P.C.S. ENGINEER/CAH
ELECTRONIC LABORATORIES, INC. NEW YORK

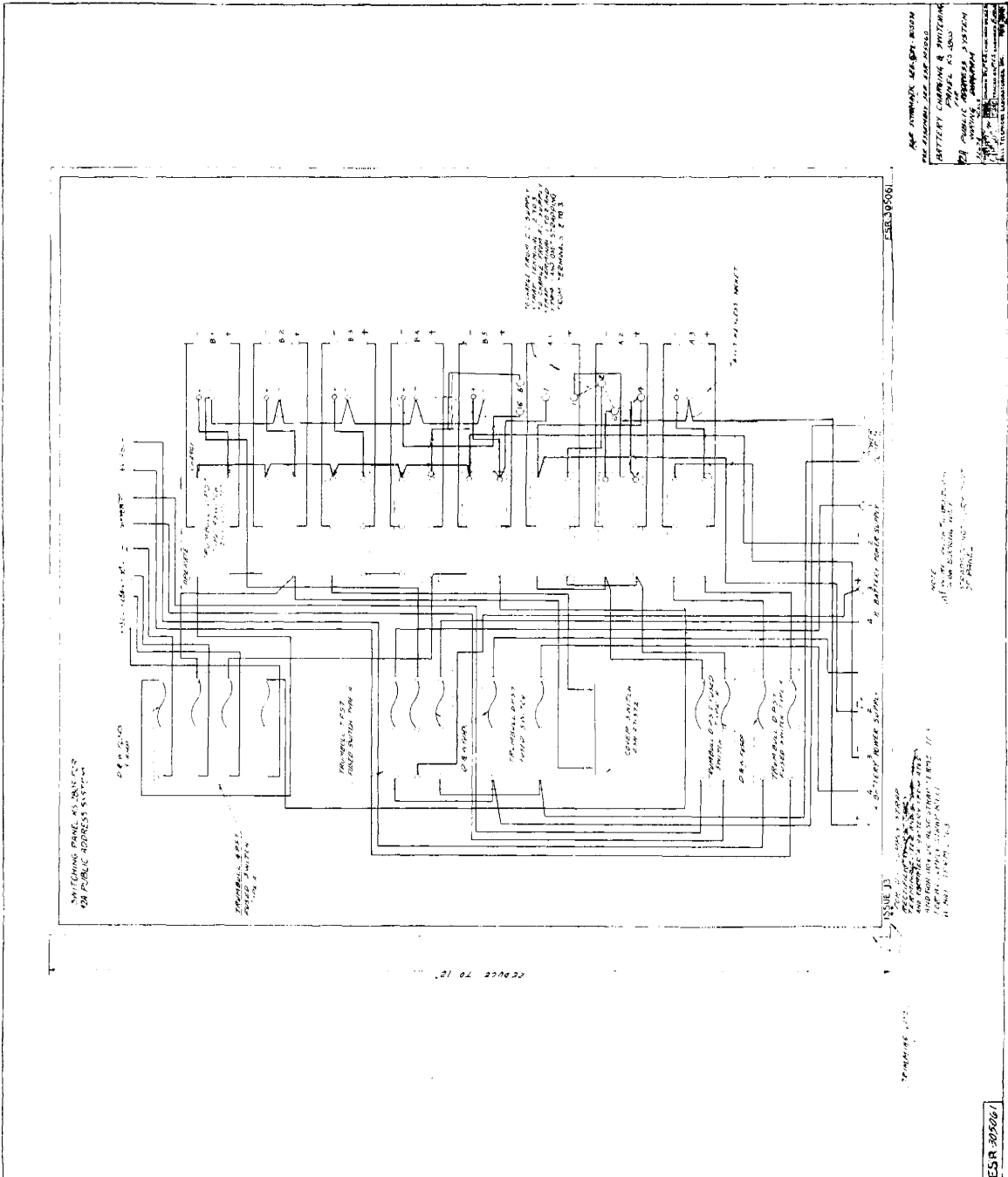
FOR ASSEMBLY SEE ESR 305060
FOR WIRING SEE ESR 305061

1/8" OVERALL
TRIMMING LINE

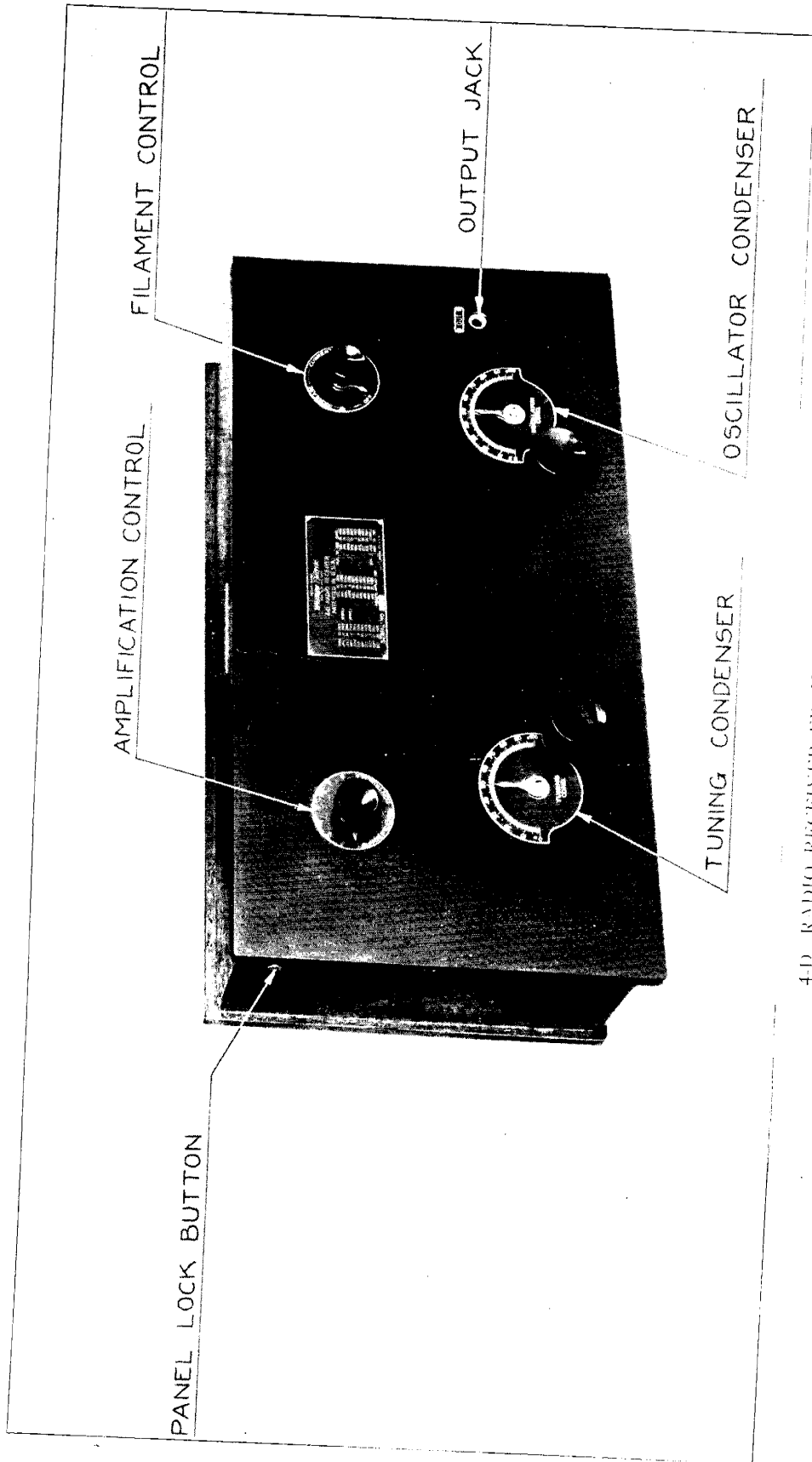
ISSUE 10

E6L 305070

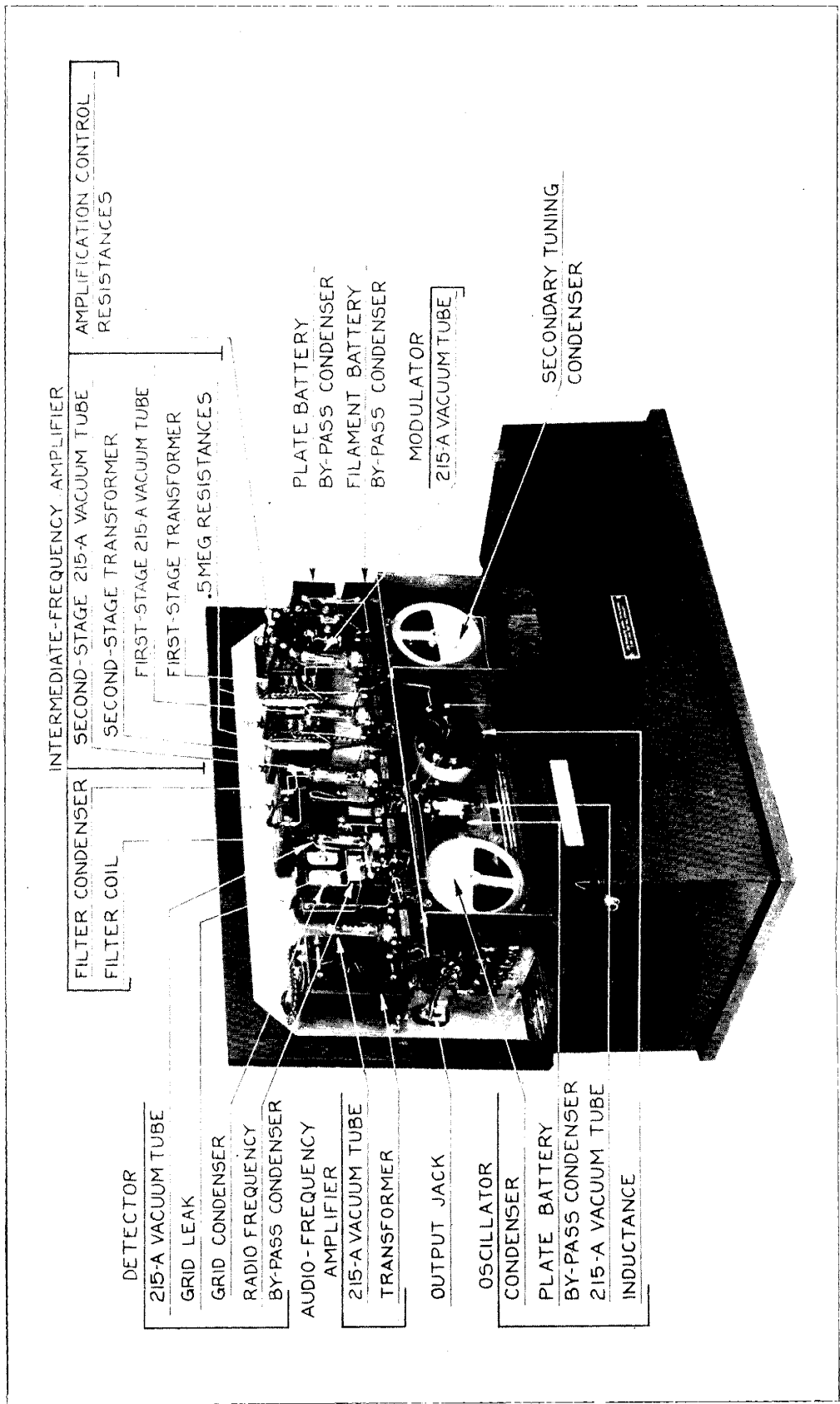
KS-2805 BATTERY CHARGING AND SWITCHING PANEL SCHEMATIC—E6L-305070



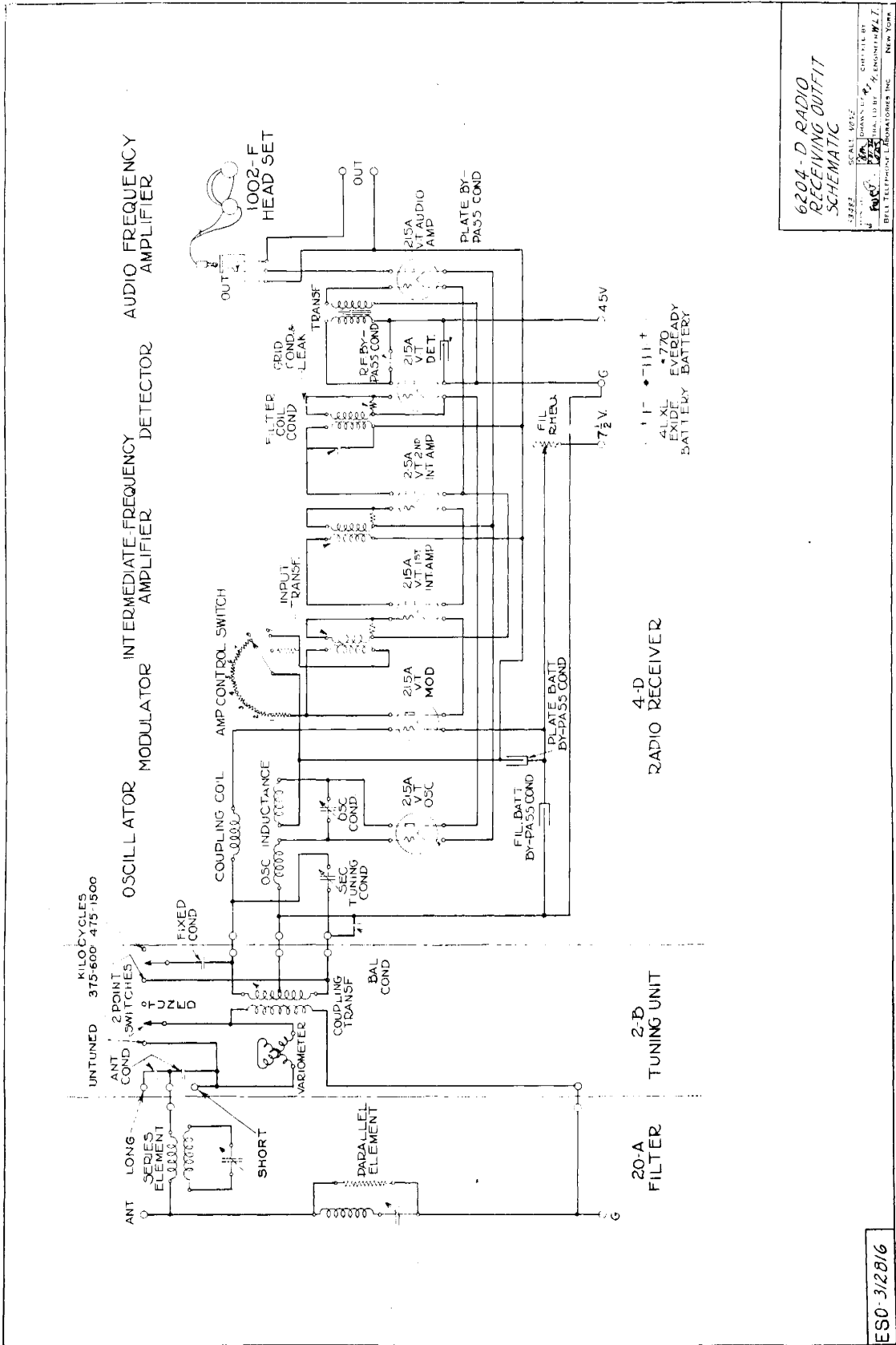
KS-2805 BATTERY CHARGING AND SWITCHING PANEL WIRING DIAGRAM—ESR-305061



4-D RADIO RECEIVER FRONT VIEW—2548



4-D RADIO RECEIVER OPEN VIEW—25694



6204-D RADIO RECEIVING OUTFIT SCHEMATIC

SCALE: 1/2" = 1"

DESIGNED BY: [Signature]

DRAWN BY: [Signature]

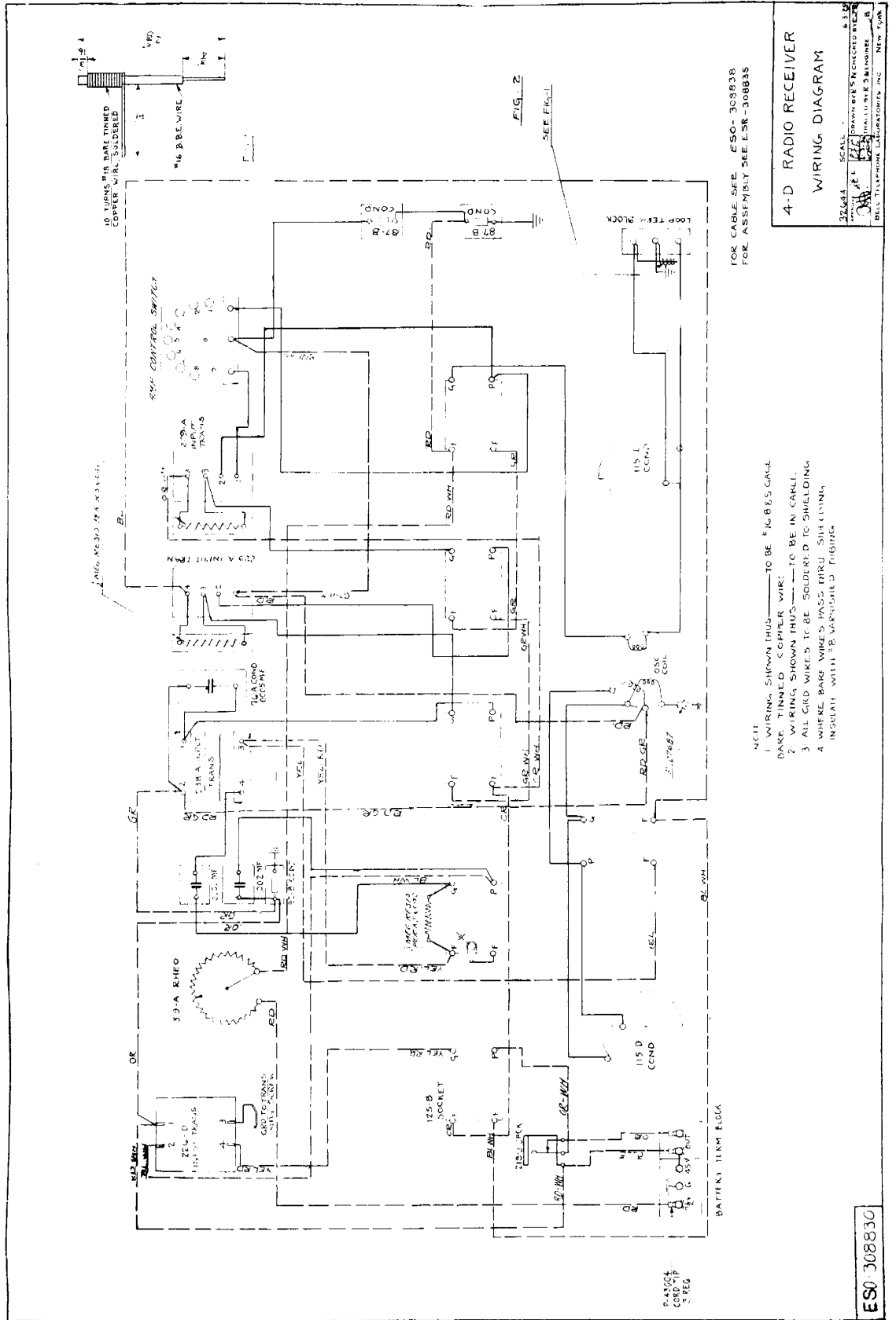
CHECKED BY: [Signature]

APPROVED BY: [Signature]

REEL TELEPHONE LABORATORIES, INC. NEW YORK

6204-D RADIO RECEIVING OUTFIT SCHEMATIC--ESO-312816

ESO-312816



FOR CABLE SEE ESO-308830
FOR ASSEMBLY SEE ESR-308835

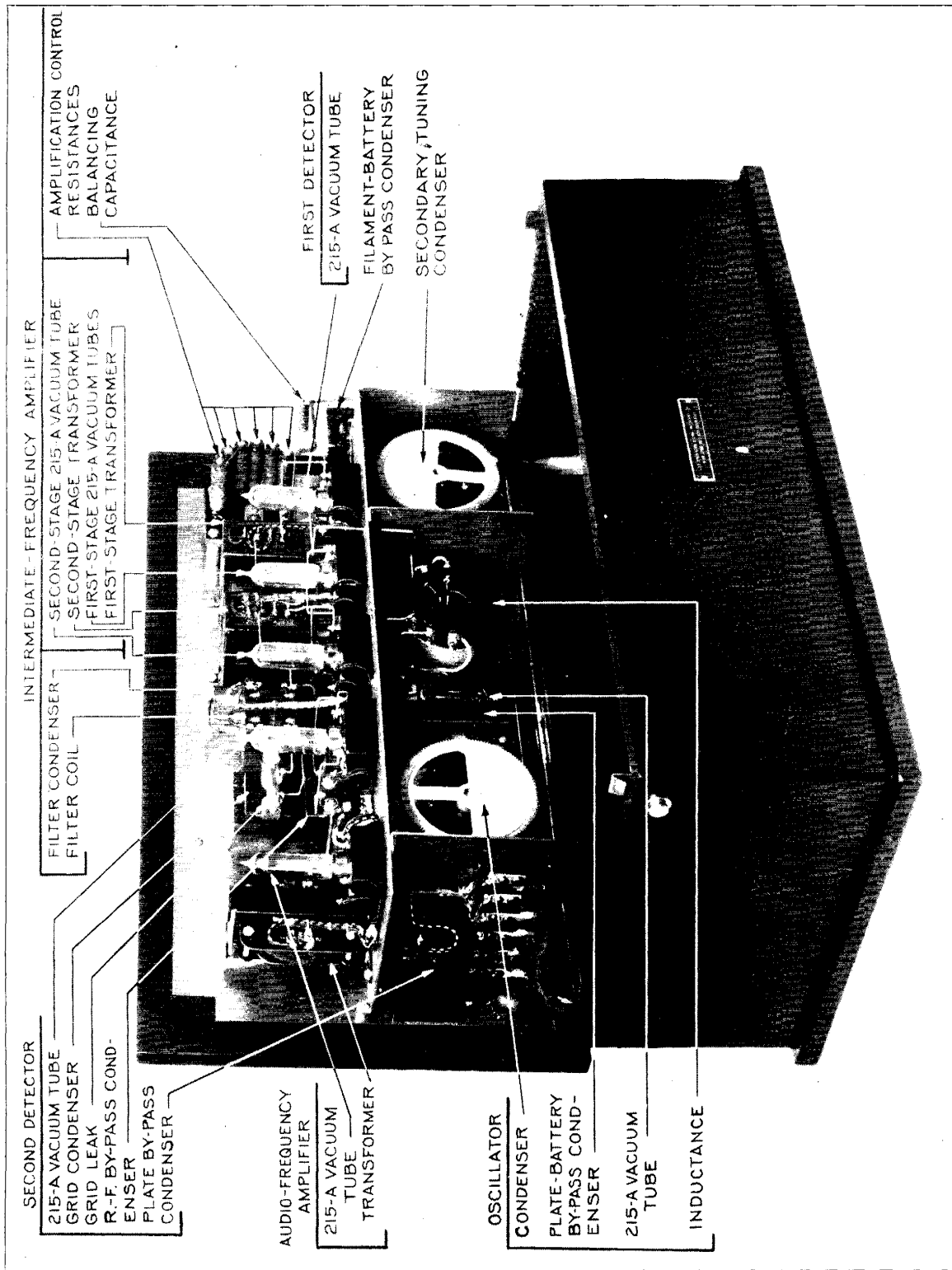
4-D RADIO RECEIVER
WIRING DIAGRAM

- NOTE
1. WIRING SHOWN THUS TO BE 1/16 B.B. GAGE DARE TINNED COPPER WIRE.
 2. WIRING SHOWN THUS TO BE IN CABLE.
 3. ALL GRID WIRES TO BE SOLDERED TO SHIELDING.
 4. WHITE BAKED WIRE WOULD PASS THRU SHIELDING INSULATED WITH 1/8" VARNISHED TUBING.

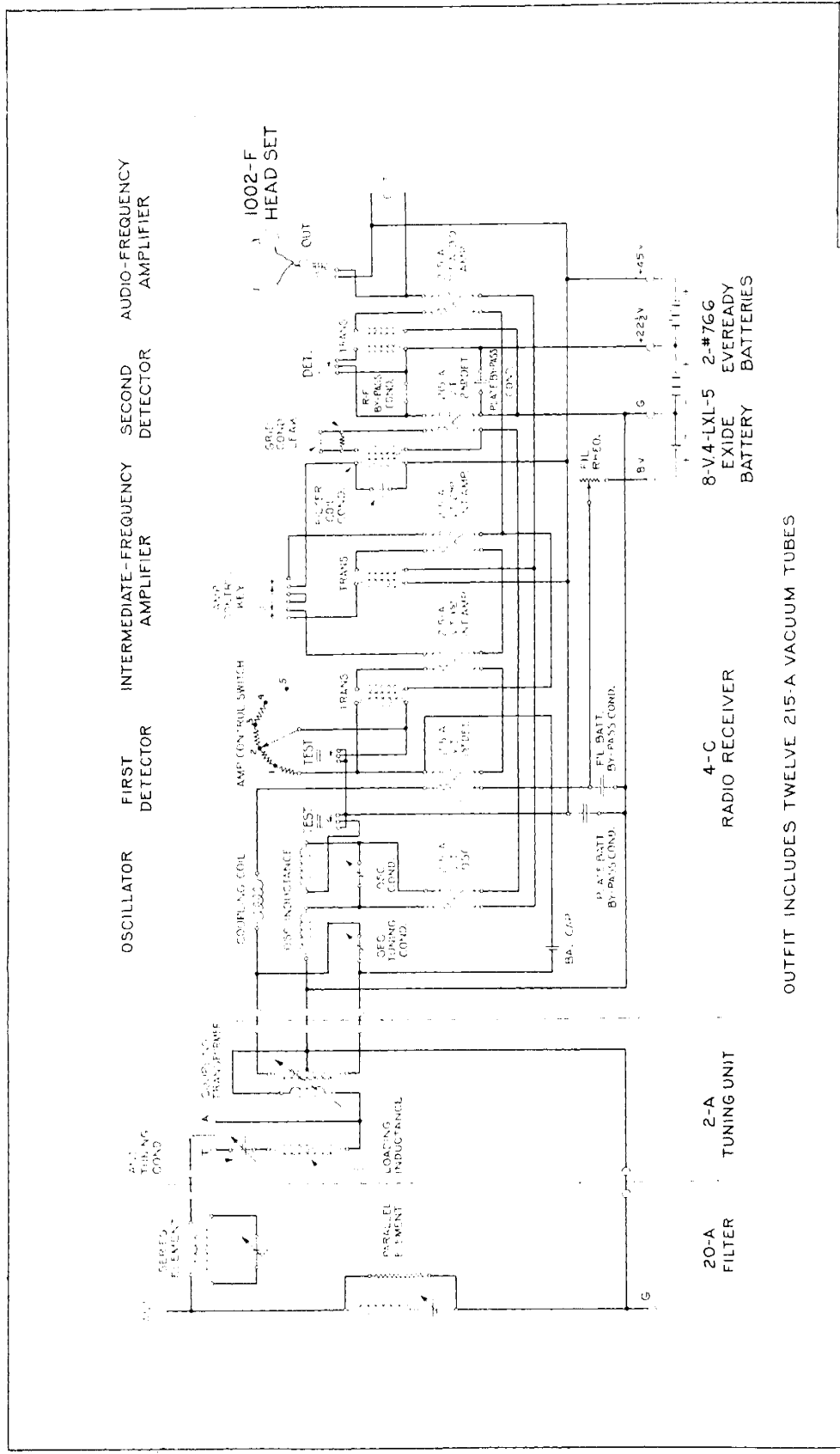
372484 SCALE 4:1
DRAWN BY S. M. HIGGINS
CHECKED BY E. J. HIGGINS
BELL TELEPHONE LABORATORIES, INC. NEW YORK

P-41004
COND. P.P.
REG

ESO-308830



4-C RADIO RECEIVER--21437

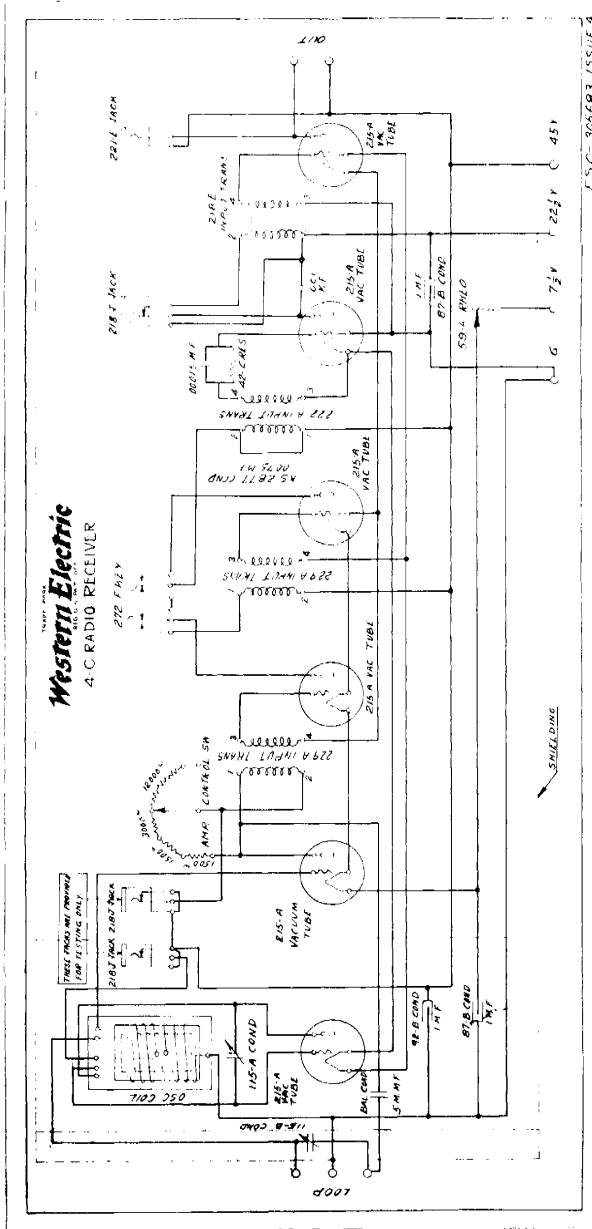


6004-C RADIO RECEIVING OUTFIT - SCHEMATIC-

OUTFIT INCLUDES TWELVE 215-A VACUUM TUBES

ESO-307765

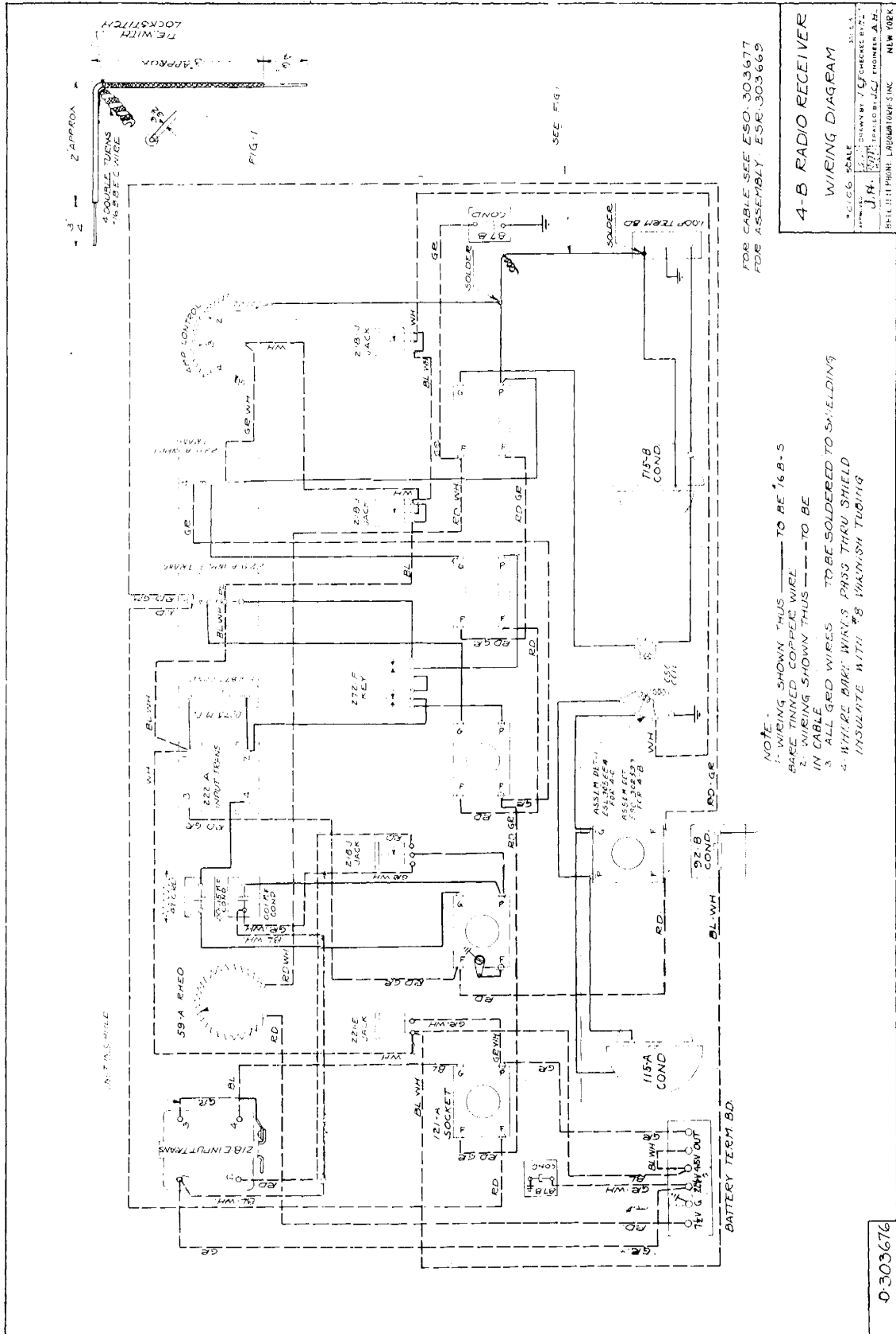
Western Electric
 4-C RADIO RECEIVER



FOR WIRING DIAGRAM SEE ESO 30568 Y
 FOR ASSEMBLY SEE I SR 30368 D
4-C RADIO RECEIVER
 CIRCUIT LABEL
 SCALE 1/8" = 1"
 DRAWN BY VCB, CHECKED BY PZB
 FILED BY P. F. ENGLISH A.L.B.
 Part Release Information: 12-20-74, New York

4-C RADIO RECEIVER CIRCUIT LABEL—ESO 305683

ESO-305683



FOR CABLE SEE ESO-303677
FOR ASSEMBLY ESR-303669

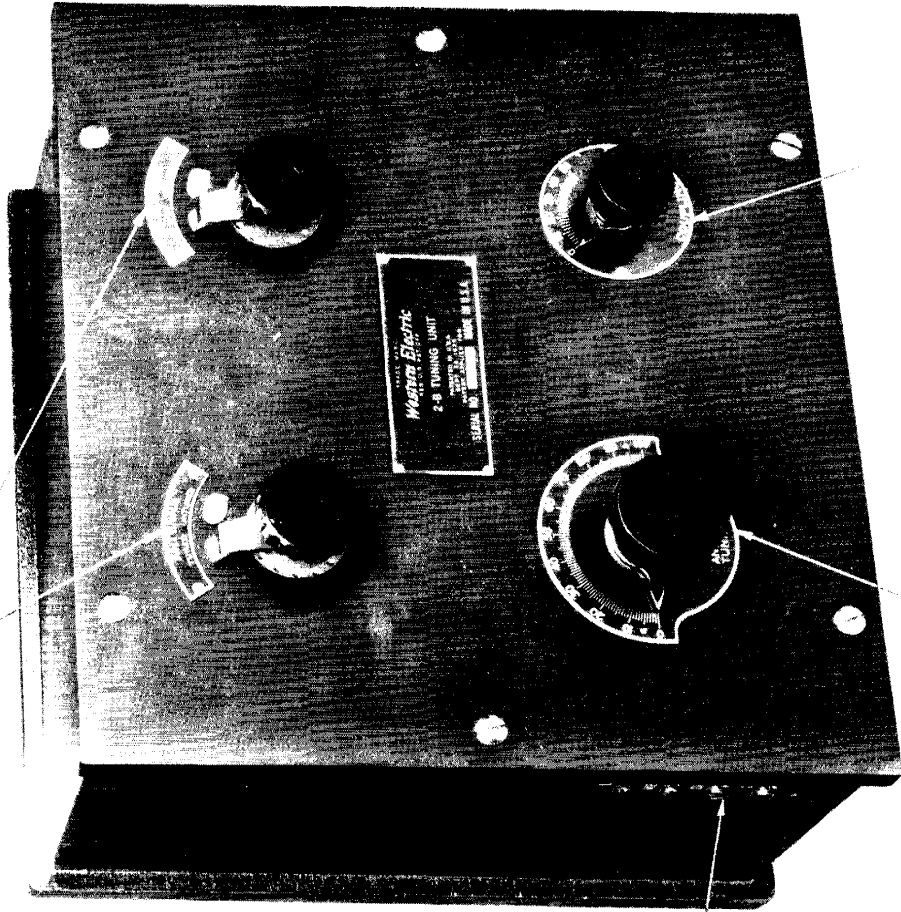
**4-B RADIO RECEIVER
WIRING DIAGRAM**

NOTE:
1. WIRING SHOWN THUS **---** TO BE 16-B-S
BARE TINNED COPPER WIRE
2. WIRING SHOWN THUS **---** TO BE
IN CABLE
3. ALL GND WIRES TO BE SOLDERED TO SHIELDING
4. WHERE BARE WIRES PASS THRU SHIELD
INSULATE WITH #8 WAXWASH TUBING

4-B 4-C RADIO RECEIVER WIRING—ESO-303676

0-303676

TWO POINT SWITCHES

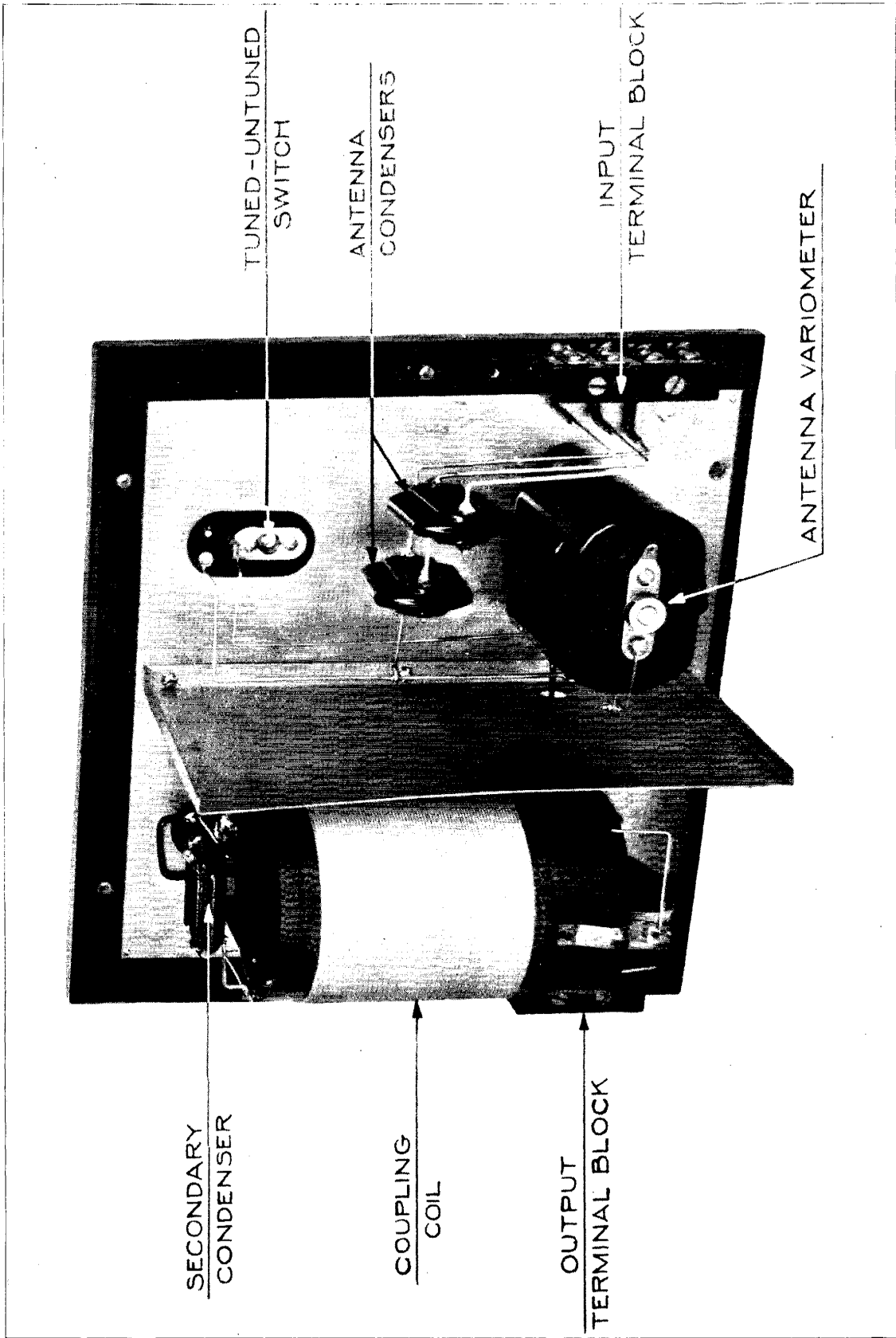


TERMINAL

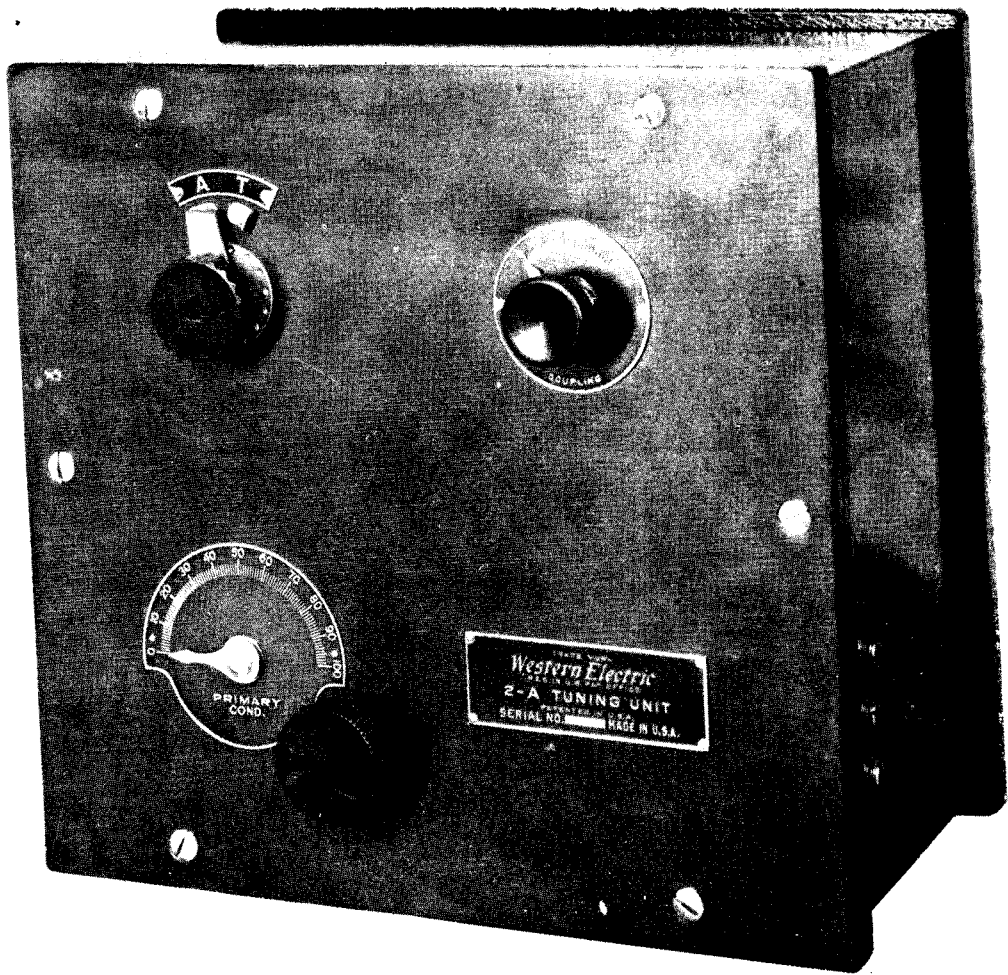
ANTENNA TUNING VARIOMETER

COUPLING

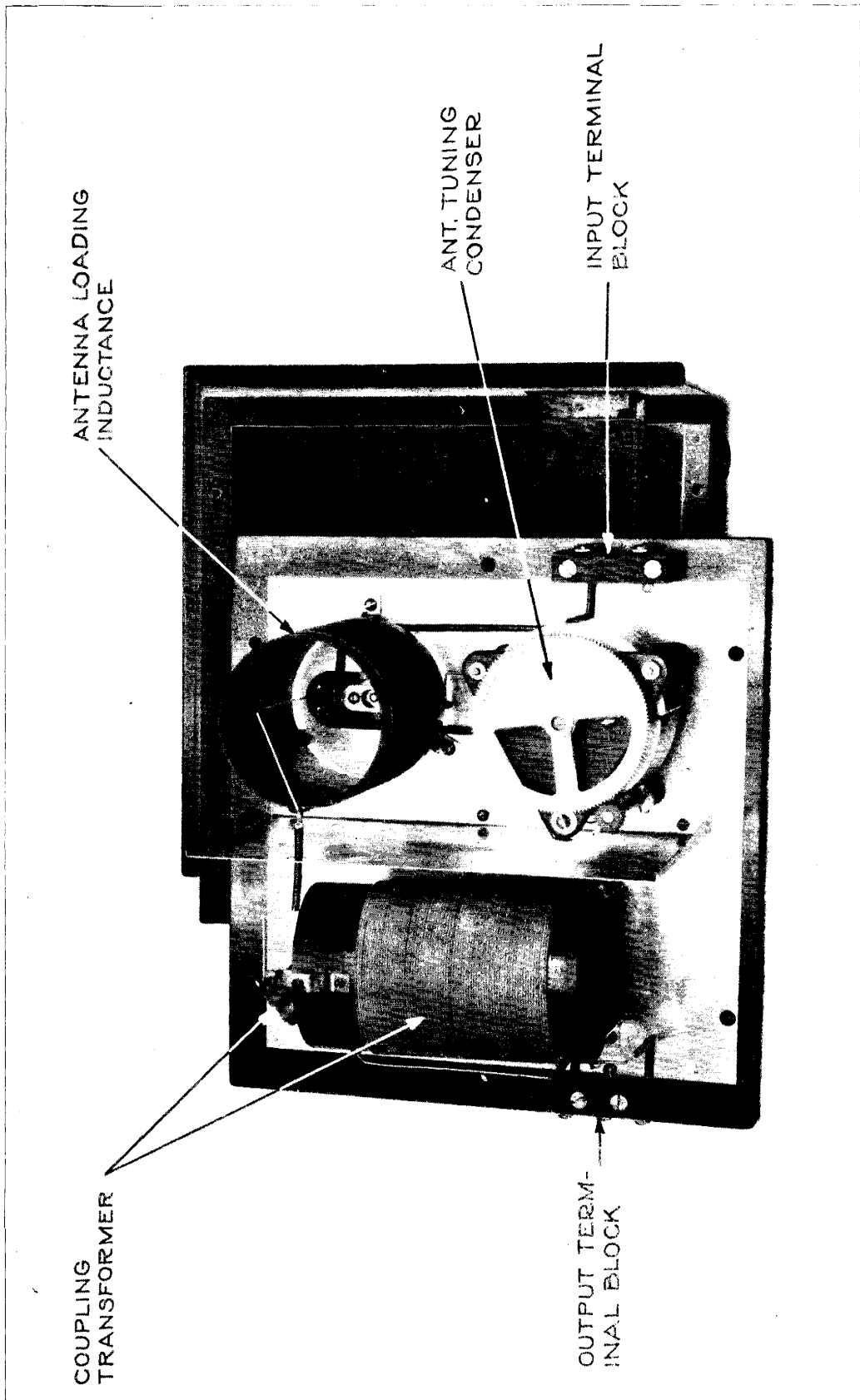
2-B TUNING UNIT FRONT VIEW—25449



2-B TUNING UNIT REAR VIEW—25446



2-A TUNING UNIT FRONT VIEW—22129



ANTENNA LOADING
INDUCTANCE

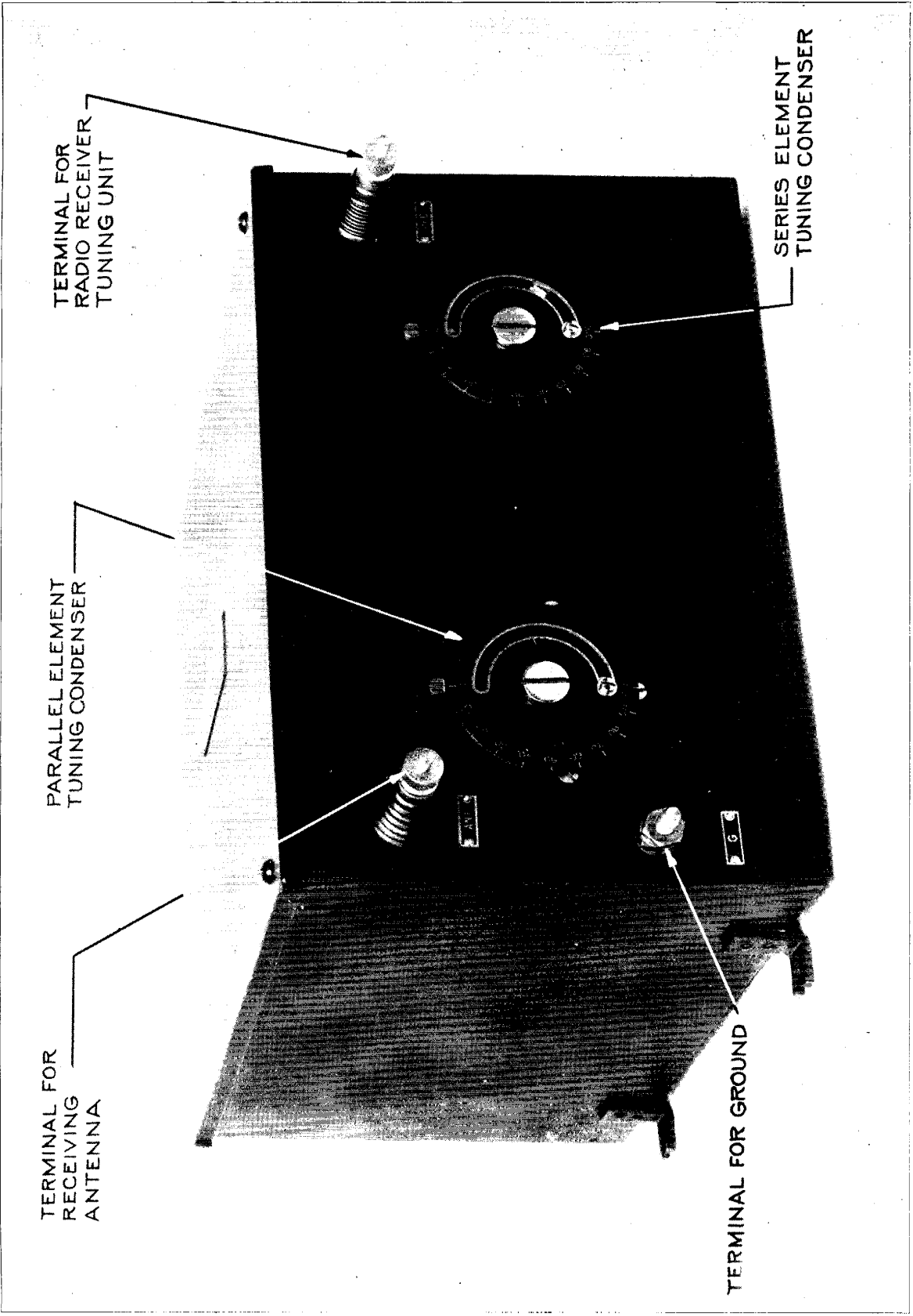
ANT. TUNING
CONDENSER

INPUT TERMINAL
BLOCK

COUPLING
TRANSFORMER

OUTPUT TERM-
INAL BLOCK

2-A TUNING UNIT REAR VIEW-2142



TERMINAL FOR
RADIO RECEIVER
TUNING UNIT

PARALLEL ELEMENT
TUNING CONDENSER

TERMINAL FOR
RECEIVING
ANTENNA

SERIES ELEMENT
TUNING CONDENSER

TERMINAL FOR GROUND

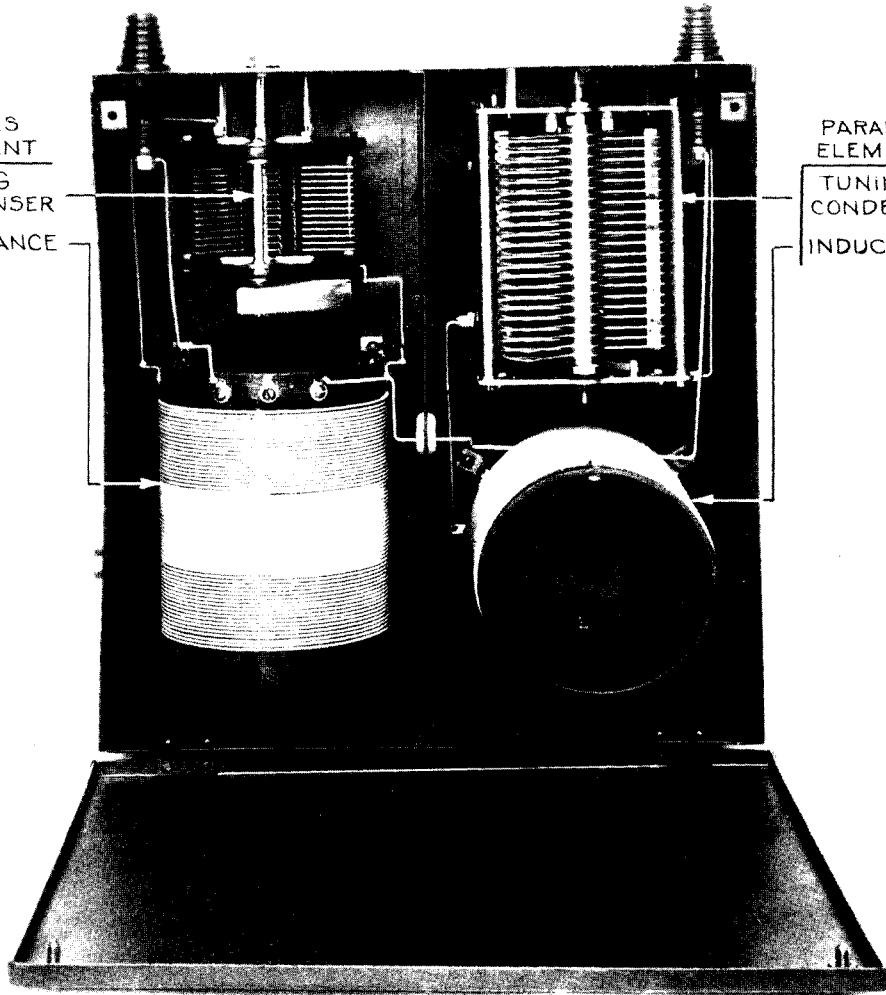
20-A FILTER FRONT VIEW - 21484

TERMINAL FOR
RADIO RECEIVER
TUNING UNIT

TERMINAL FOR
RECEIVING
ANTENNA

SERIES
ELEMENT
TUNING
CONDENSER
INDUCTANCE

PARALLEL
ELEMENT
TUNING
CONDENSER
INDUCTANCE



20-A FILTER REAR VIEW—21444

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Ltd.) Harvard House, 192 Castle-
reagh Street, (P. O. Box 525),
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graphenfabrik, A. G. Czernia
Nissl & Co., Dresdner Strasse,
No. 75, Vienna, XX 2.

BELGIUM—

Be 11 Telephone Manufacturing
Co., 18 Rue Bondewyns, Antwerp.

BRAZIL—

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Western Electric Co., Inc.) Caixa
Postal 219, (Street Address, Rua
dos Ourives 91-D) Rio de Janeiro.

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Chang-ku Cha-dao, Peking.
China Electric Co., Ltd., 1-C
Kukiang Road (P. O. Box 289),
Shanghai.

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Electric), Prague—Vrsovice 664.

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Co., Ltd.), 26 Sharia El Mauakh
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tric Corp. (Formerly Interna-
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Le Materiel Telephonique, 46
Avenue de Breteuil, Paris.

GREAT BRITAIN—

Standard Telephones and Cables,
Ltd. (Formerly Western Electric
Co., Ltd.), Connaught House,
Aldwych, London, W. C. 2.

HOLLAND—

Bell Telephone Manufacturing
Co., Scheldestraat 160-162, The
Hague.

HUNGARY—

United Incandescent Lamps &
Electrical Co., Ltd., Ujpest 4
(near Budapest).

INDIA—

Standard Telephones and Cables,
Ltd. (Formerly Western Electric
Co., Ltd.), C-2 Clive Building,
(P. O. Box 413) Calcutta.

ITALY—

Standard Elettrica Italiana (For-
merly Western Electric Italiana),
Via Vittoria Colonna, No. 9,
Milan, 25.

JAPAN—

Nippon Electric Co., Ltd., 2 Mita
Shikokumachi, Shiba-Ku, Tokyo.

LATVIA—

A. E. Reinke, Sales Representa-
tive, International Standard Elec-
tric Corp. (Formerly Interna-
tional Western Electric Co., Inc.),
Rainis Boulevard 11, Riga.

NEW ZEALAND—

Standard Telephones and Cables
(Australasia), Ltd. (Formerly
Western Electric Co., (Australia)
Ltd.), P. O. Box 638, Wellington.

NORWAY—

Standard Electric Aktieselskap
(Formerly Western Electric Norsk
Aktieselskap), Drammensveien 20,
Oslo.

POLAND—

Standard Electric Co. W. Polsee,
Sp. z o.o., (Formerly Western
Electric Co., Ltd., W. Polsee.)
Warsaw, Matejki, 7.

SOUTH AFRICA—

Standard Telephones and Cables,
Ltd. (Formerly Western Electric
Co., Ltd.), Cam Buildings, Sim-
monds Street (South) (P. O. Box
1571), Johannesburg.

SPAIN—

Standard Electrica S/A (For-
merly Telefonos Bell, S/A),
Avenida de Pi y Margall No. 5,
(Apartado No. 12,325), Madrid.

STRAITS SETTLEMENTS—

Standard Telephones and Cables,
Ltd. (Formerly Western Electric
Co., Ltd.), 1 Orchard Road,
Singapore.

SWITZERLAND—

Bell Telephone Manufacturing
Co., 10 Bubenberplatz, Berne.

S. Adams

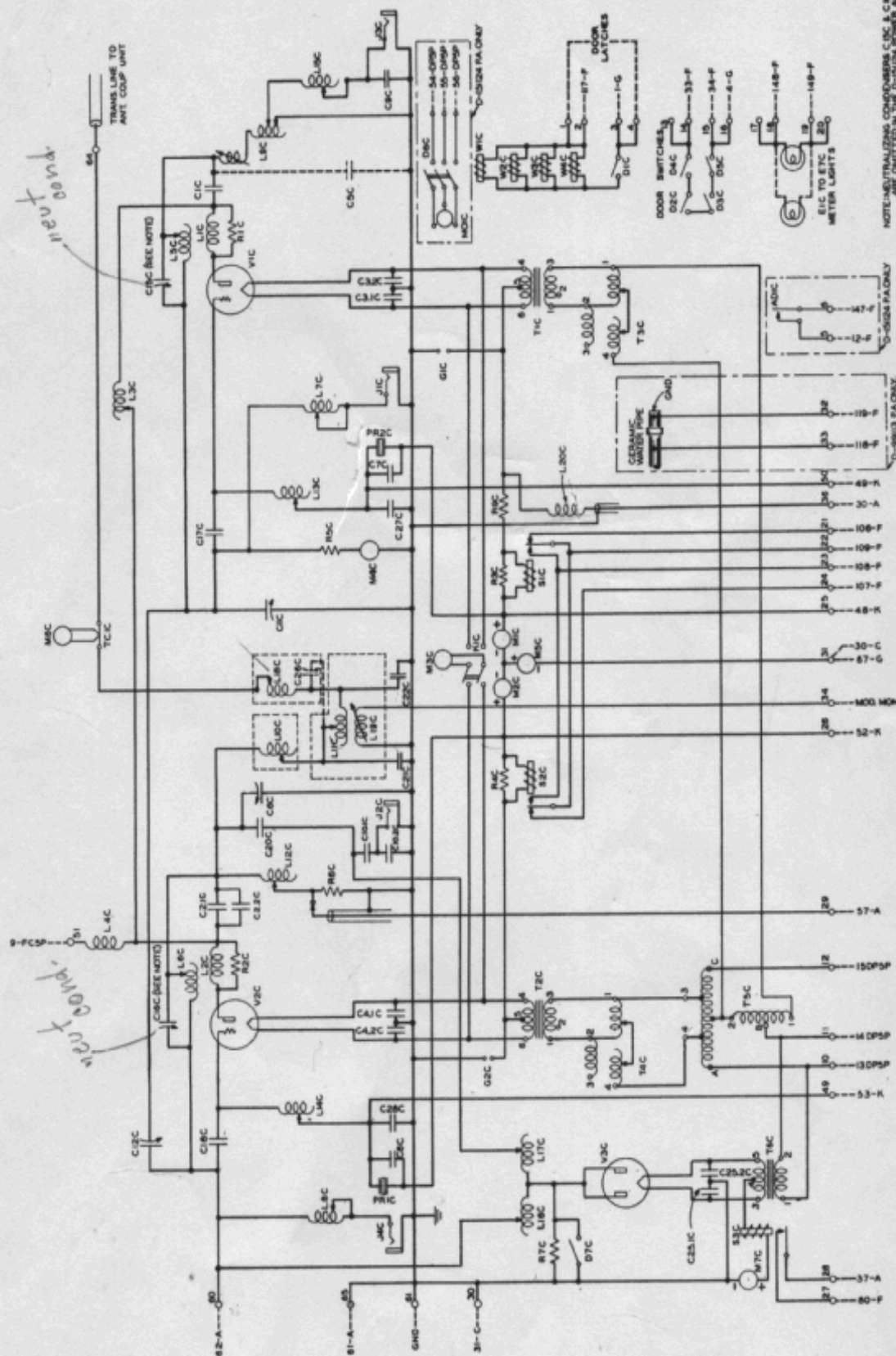


FIGURE 8—Unit C-D-99113 (or D-151124) Power Amplifier