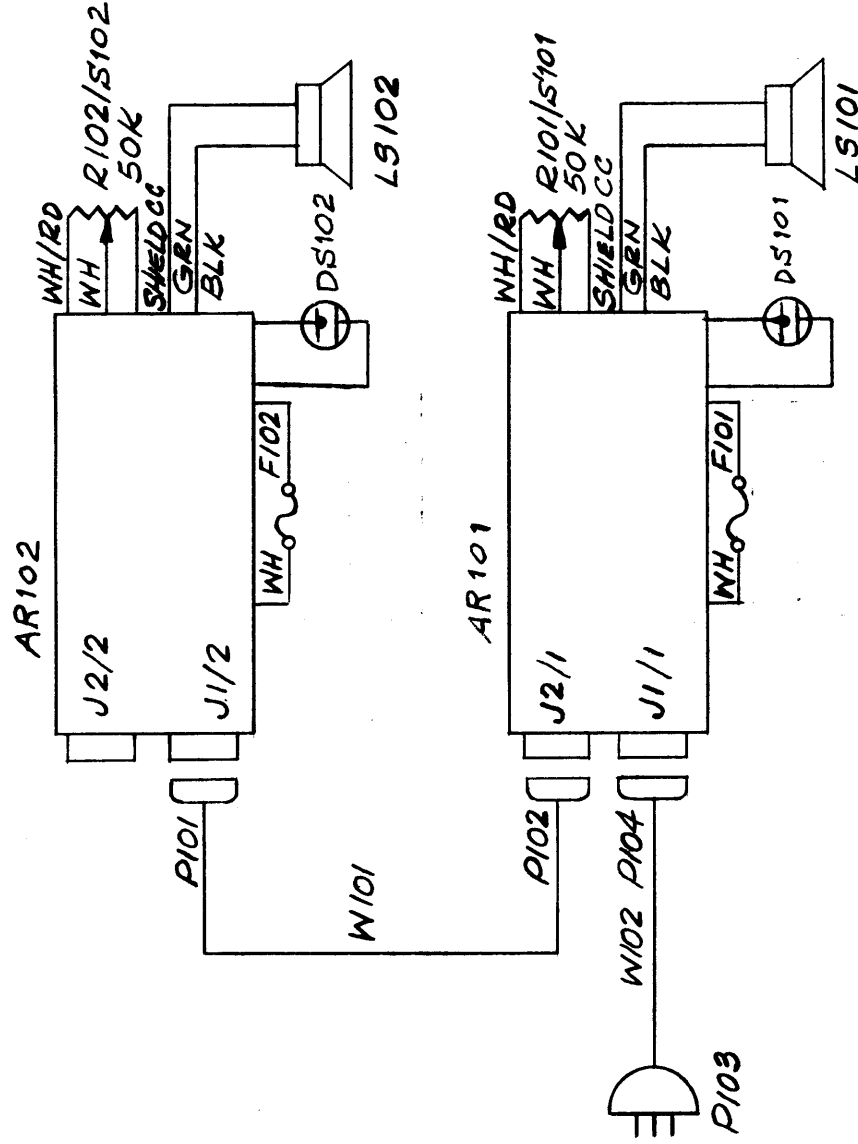


AUDIO AMPLIFIERS (SEE NOTE)



FUSES F101 & F102
 .1 AMP FOR 115V OPERATION
 .062 AMP FOR 230V OPERATION

NOTE:
 FOR SCHEMATIC DIAGRAM OF AUDIO
 AMPLIFIERS (TMC NO. AZ102)
 SEE CK 751.
 W102 USED ONLY WHEN THIS UNIT IS
 SHIPPED ALONE.

REVISIONS

| SYM | DESCRIPTION | DATE | E.M.N. NO. | DRAFT | CHKD | APPD |
|-----|---|---------|------------|-------|------|------|
| Ø | ORIGINAL RELEASE FOR PRODUCTION | 6-7-65 | -A- | H/A | | |
| A | R101/1, R102/2, DS1/1, DS1/2, DELETE .062 WAS .062 DS101, DS102, AR101, AR102, AR101, AR102, TO RMLR ADDED | 8-6-65 | 14529 | Z/VV | JLB | MM |
| B | .062 WAS .1 AMP; DS2 WAS .062 | 1-31-66 | 15630 | H/A | JLB | MM |
| C | ON F101 & F102: .1A WAS .062A, .062A WAS .032A | 3-16-64 | 15964 | APB | JLB | MM |

CK1004

| REQ'D. | ITEM | PART NUMBER | DESCRIPTION | SYMBOL |
|--------|---|------------------------|--|-------------|
| | R.HAY | | LIST OF MATERIAL | |
| | MATERIAL | -# | THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK | |
| | FINISH | -# | DIAGRAM, SCHEMATIC | |
| | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES | | | |
| | DIGITALS X ± .05 XX ± .01 XXX ± .008 | | | |
| | FRACTI NS ± 1/64 ANGLES ± 0° 30' | | | |
| | TOLERANCES | | | |
| | DATE | DATE | DATE | DATE |
| | DRAWN ALA | CHECKED JLB | FINAL APPROVED [Signature] | DATE 6/8/65 |
| | ELECT. DES. [Signature] | MECH. DES. [Signature] | CK 1004 | C |
| | | | SHEET | REV. LTR. |

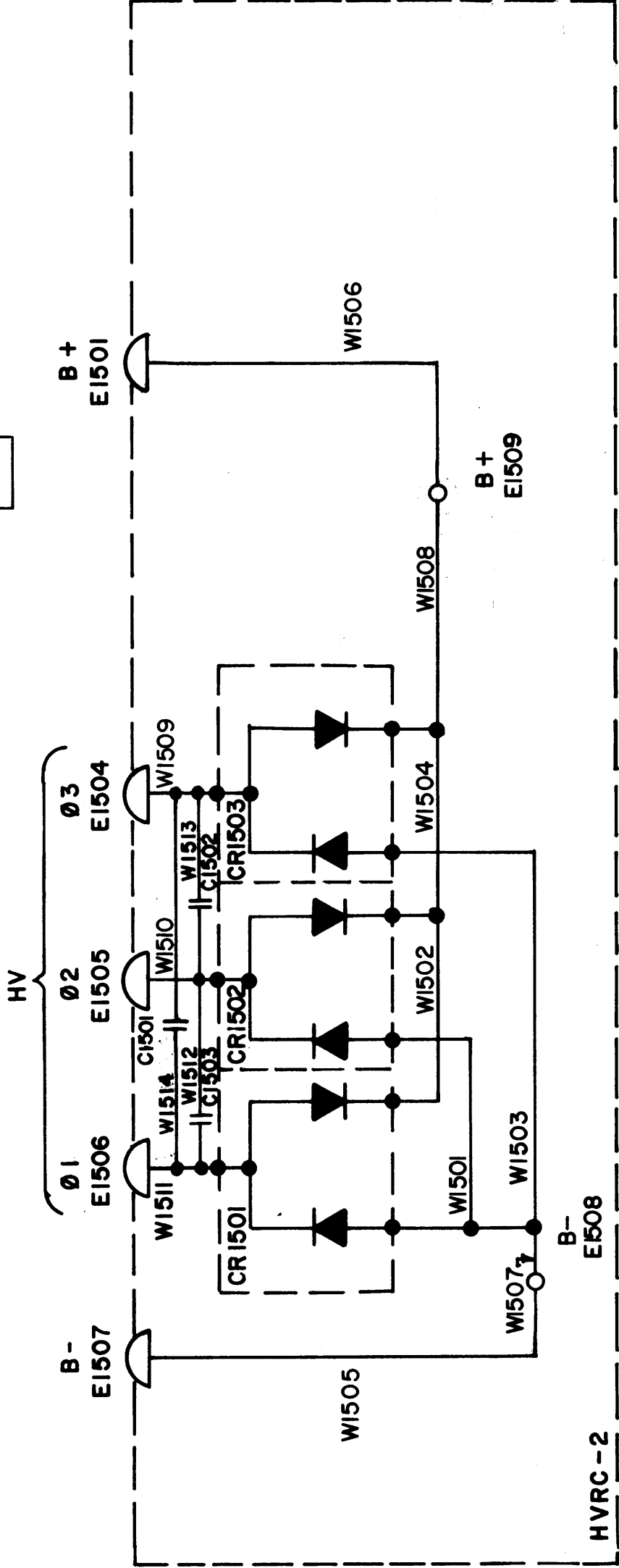
NOTES
 THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY
 OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR
 REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

| | | |
|-----------|---------------|-----------|
| QTY./UNIT | MODEL USED ON | ASBY. NO. |
| SCALE | BSP-5 | |
| | CODE | |

REVISIONS

| SYM | DESCRIPTION | DATE | E.M.N. NO. | DRAFT | CHKD | APPD |
|-----|--|---------|------------|-------|------|------|
| X1 | E1508, E1509 RELOCATED | 8-31-64 | H | E | | |
| Ø | ORIGINAL RELEASE FOR PROB | 8/31 | Ø | FLO | | |
| A | W1501 THRU W1511 ADDED | 12-8-64 | 15000 | AVV | | |
| B | C1501, C1502, C1503, W1512, W1513, W1514 ADDED | 12-8-64 | 15406 | C.D.L | | |
| C | MODEL USED ON HYRB-2 DELETED | 4-22-66 | CC | AV | | |

CR-101



LAST SYMBOLS
E1508
CR1503
W1514
C1503

MISSING SYMBOLS
E1502
E1503

NOTES

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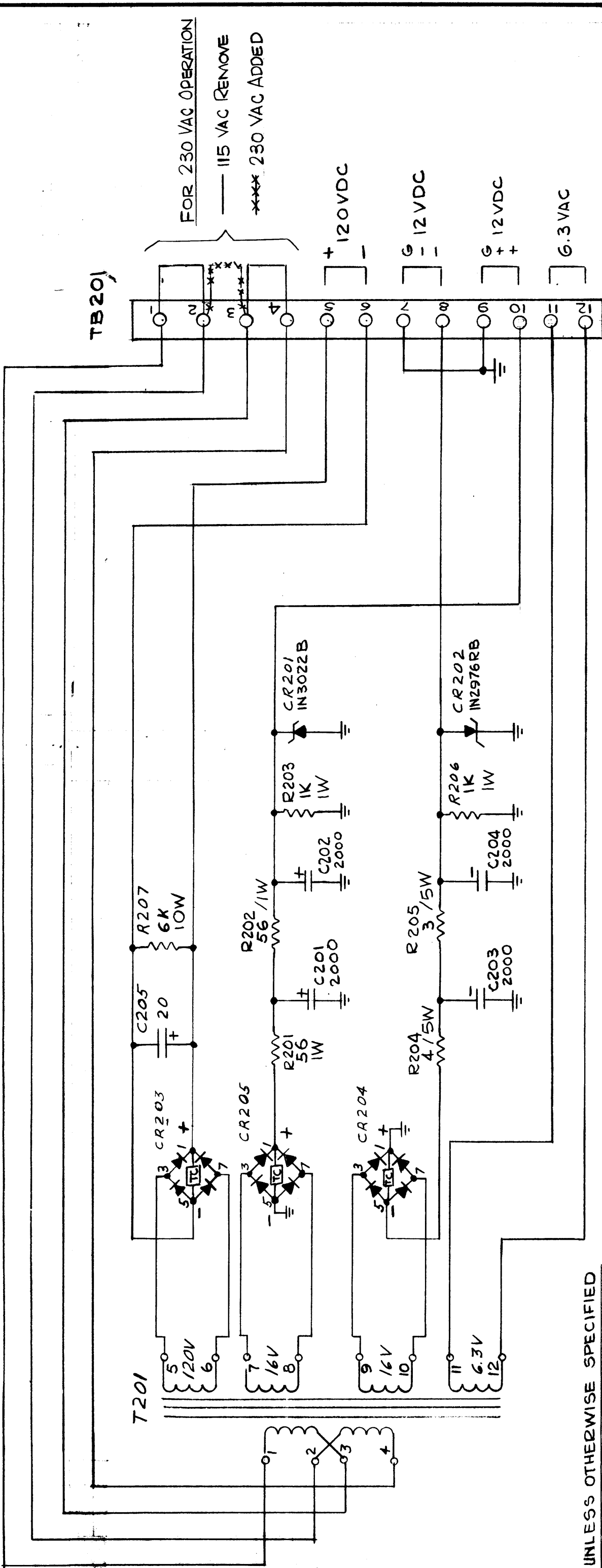
| REQ'D. | ITEM | PART NUMBER | DESCRIPTION | SYMBOL |
|---------------------------------------|------------|-------------|--|---------|
| | F. BUDETTI | | LIST OF MATERIAL | |
| | | | THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK | |
| TITLE | | | | |
| WIRING SCHEMATIC DIAGRAM | | | | |
| DRAWN | | G.D.L. | DATE | 8-13-65 |
| CHECKED | | [Signature] | DATE | 8/31/65 |
| ELECT. DES. | | [Signature] | DATE | |
| MECH. DES. | | | DATE | |
| FINISH | | | DATE | |
| UNLESS OTHERWISE SPECIFIED | | | DATE | |
| DIMENSIONS ARE IN INCHES AND INCLUDE | | | DATE | |
| CHEMICALLY APPLIED OR PLATED FINISHES | | | DATE | |
| DECIMALS | | | DATE | |
| .X ± .05 | | | DATE | |
| .XX ± .01 | | | DATE | |
| .XXX ± .005 | | | DATE | |
| FRACTIONS | | | DATE | |
| ± 1/64 | | | DATE | |
| ANGLES | | | DATE | |
| ± 0 30' | | | DATE | |
| TOLERANCES | | | DATE | |
| ± 0 30' | | | DATE | |
| QTY./UNIT | | | DATE | |
| SCALE | | | DATE | |
| MODEL USED ON | | | DATE | |
| CODE | | | DATE | |
| ASSY. NO. | | | DATE | |
| HVMC - 2 | | | DATE | |
| REV. LTR. | | | DATE | |
| CK 1025 | | | DATE | |
| C | | | DATE | |

REVISIONS

| BYN | DESCRIPTION | DATE | E.M.N. NO. | DRAFT | CHKD | APPD |
|-----|---|-----------|------------|-------|------|------|
| X1 | SYMBOLIZED CR 203, CR 204, CR 205 | 19 AUG 65 | X1 | BM | | |
| X2 | Added Notes | 24 AUG 65 | X2 | BM | | |
| X3 | PICTORIAL CLARIFIED, WATT VALUES ADDED TO ALL RESISTORS | 9-9-65 | X3 | C.D.L | | |

ORIGINAL RELEASE FOR PRODUCTION

CK1026



FOR 230 VAC OPERATION
 — 115 VAC REMOVE
 *** 230 VAC ADDED

UNLESS OTHERWISE SPECIFIED
 ALL CAPACITORS ARE IN MFD
 ALL RESISTORS ARE IN OHMS

LAST SYMBOLS

- C 205
- CR 205
- R 207
- T 201
- TB 201

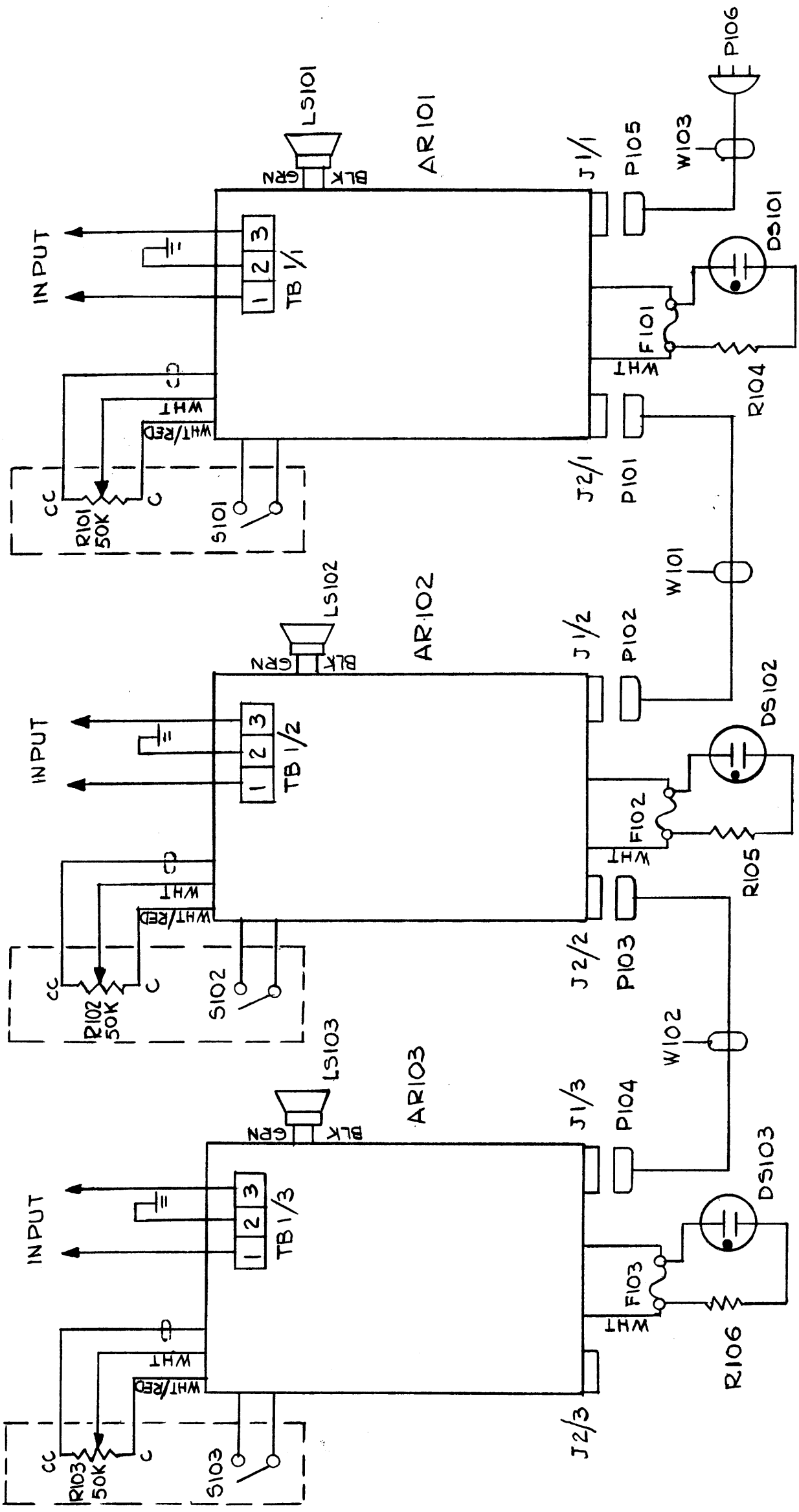
NOTES

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| REQ. D. | ITEM | PART NUMBER | DESCRIPTION | SYMBOL |
|---|------------|---------------------------------|-------------|-----------|
| LANGER | | | | |
| LIST OF MATERIAL | | | | |
| THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK | | | | |
| TITLE | | DIAGRAM, SCHEMATIC POWER SUPPLY | | |
| DRAWN | DATE | FINAL APPROVAL | DATE | |
| BM | 12 AUG. 65 | <i>[Signature]</i> | 11/1/65 | |
| CHECKED | DATE | | | |
| <i>[Signature]</i> | 9/29/65 | | | |
| ELECT. DES. | DATE | | | |
| <i>[Signature]</i> | | | | |
| MECH. DES. | DATE | | | |
| | | | | |
| SHEET | | | | REV. LTR. |
| | | | | CK1026 |

FILE 10/28/65

| REVISIONS | | | | |
|-----------|--|------------|-------|------|
| SYM | DESCRIPTION | E.M.N. NO. | DRAFT | CHKD |
| B | ORIGINAL RELEASE FOR PRODUCTION | 8/23/65 | MM | |
| A | .062A WAS 110A; .032A WAS 116A | 1/3/66 | NLA | |
| B | F101,102,103; JAWAS .062A; .032A WAS .032A | 3-15-66 | 15964 | |



LAST SYMBOL NOS.

AR 103
 DS 103
 F 103
 J 1/3
 J 2/3
 LS 103
 P 106
 R 106
 TB 1/3
 W 103

| REQ'D. | ITEM | PART NUMBER | DESCRIPTION | SYMBOL |
|--|--------|-------------|-------------|----------------|
| O. POSE | | | | |
| LIST OF MATERIAL | | | | |
| THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK | | | | |
| TITLE DIAGRAM, SCHEMATIC | | | | |
| DRAWN | G.D.L. | DATE | 8-23-65 | FINAL APPROVAL |
| CHECKED | MM | DATE | 8/23/65 | |
| ELECT. DES. | | DATE | | |
| MECH. DES. | | DATE | | |
| SHEET | | | | REV. LTR. |
| CK1027 | | | | B |

| QTY./UNIT | SCALE | MODEL USED ON | CODE | ASBY. NO. |
|-----------|-------|---------------|------|-----------|
| 1 | | BSP-3D | | |

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES AND INCLUDE
 CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS
 .X ± .08
 .XX ± .01
 .XXX ± .005

FRACTI. NS
 ANGLES
 ± 1/64
 TOLERANCES
 ± 0° 30'

--- AUDIO AMPLIFIERS ---
 (SEE NOTE 1)

NOTES

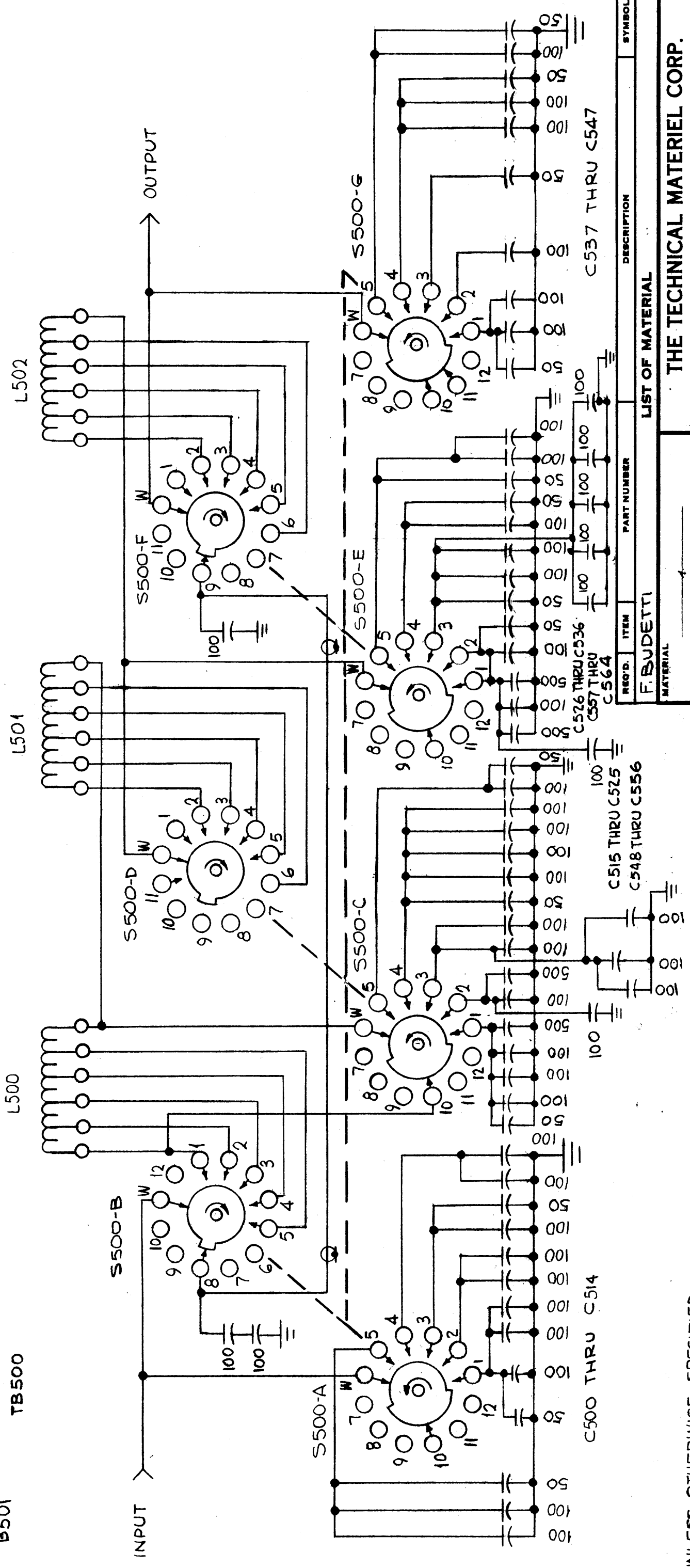
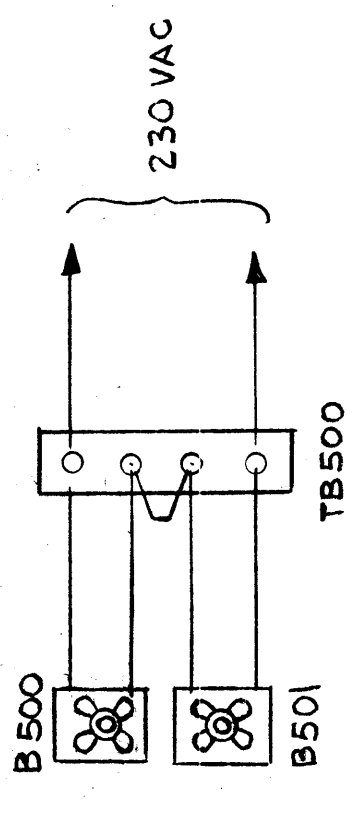
1- FOR SCHEMATIC DIAGRAM OF AUDIO AMPLIFIERS (TMC No. AZ102) SEE CK751.

2- FUSE F101, F102 AND F103 ARE .1A FOR 115V AC OPERATION .062A FOR 230V AC.

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REVISIONS

| SYM | DESCRIPTION | DATE | E.M.N. NO. | DRAFT | CHKD | APPD |
|-----|--|----------|------------|--------|------|------|
| X1 | C 537 ADDED | 12-7-65 | X1 | | | CK |
| X2 | L(100) CAP. ADDED, C 503 WAS (100) C 519 WAS (100) | 12-14-65 | X1 | | | PKS |
| X3 | REVISED & CLARIFIED | 4-7-66 | X3 | G.D.L. | | |
| Ø | ORIGINAL RELEASE FOR PRODUCTION | 4-12-66 | Ø | ALLA | | JLQ |



UNLESS OTHERWISE SPECIFIED
ALL CAPACITORS ARE IN PF

| REQ'D. | ITEM | PART NUMBER | DESCRIPTION | SYMBOL |
|--------|------|-------------|-------------------------------------|--------|
| | | | F. BUDETTI | |
| | | | LIST OF MATERIAL | |
| | | | THE TECHNICAL MATERIEL CORP. | |
| | | | MAMARONECK, NEW YORK | |

| TITLE | | DATE | FINAL APPROVAL | DATE |
|--------------------------------------|--|---------|--------------------|---------|
| DIAGRAM, SCHEMATIC (SWITCHED FILTER) | | 10-7-65 | <i>[Signature]</i> | 4/11/66 |
| DRAWN | | DATE | | |
| CHECKED | | DATE | | |
| ELECT. DES. | | DATE | | |
| MECH. DES. | | DATE | | |
| SHEET | | | | |
| REV. | | | | |

| QTY./UNIT | MODEL USED ON | ASBY. NO. |
|-----------|------------------|-----------|
| 1 | TST-10K (AF 105) | |
| SCALE | CODE | |

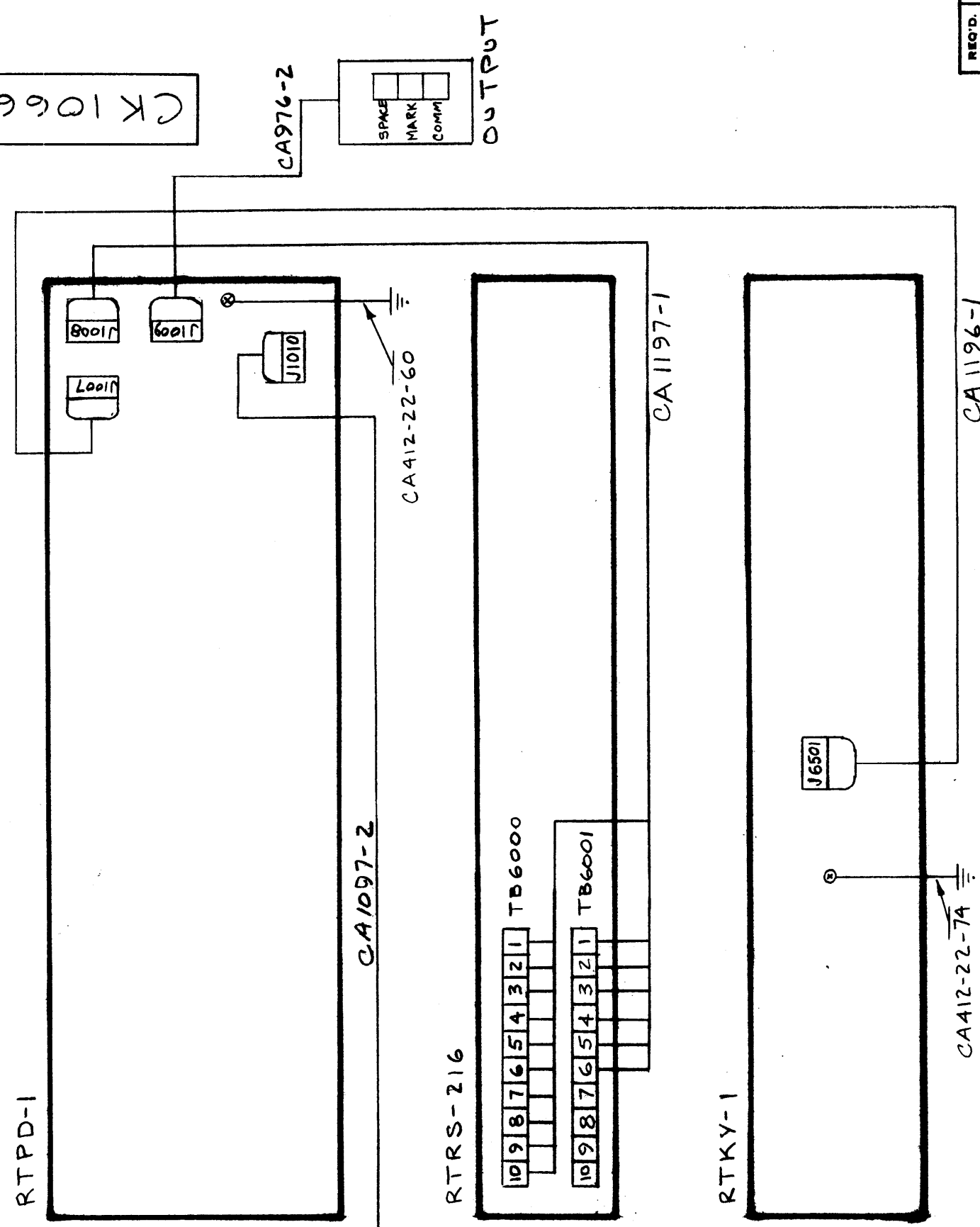
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NOTES

REVISIONS

| SYM | DESCRIPTION | DATE | E.M.N. NO. | DRAFT | CHKD | APPR |
|-----|----------------------------|---------|------------|-------|------|------|
| Ø | ORIGINAL RELEASE FOR PROD. | 5/29/66 | Ø | | | JL |

Ø CK 1066



| REQ'D. | ITEM | PART NUMBER | DESCRIPTION | SYMBOL |
|--------|---------|-------------|--|------------------|
| | STURMER | | LIST OF MATERIAL | |
| | | | THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK | |
| | | | TITLE WIRING DIAGRAM PTCA-1 | |
| | | | DRAWN M. STURMER | DATE 11-9-65 |
| | | | CHECKED [Signature] | DATE 11/30/65 |
| | | | ELECT. DES. [Signature] | DATE 11/23/65 |
| | | | MECH. DES. | DATE 11/23/65 |
| | | | W/L [Signature] | DATE 5/20/66 |
| | | | REV. LTR. | |

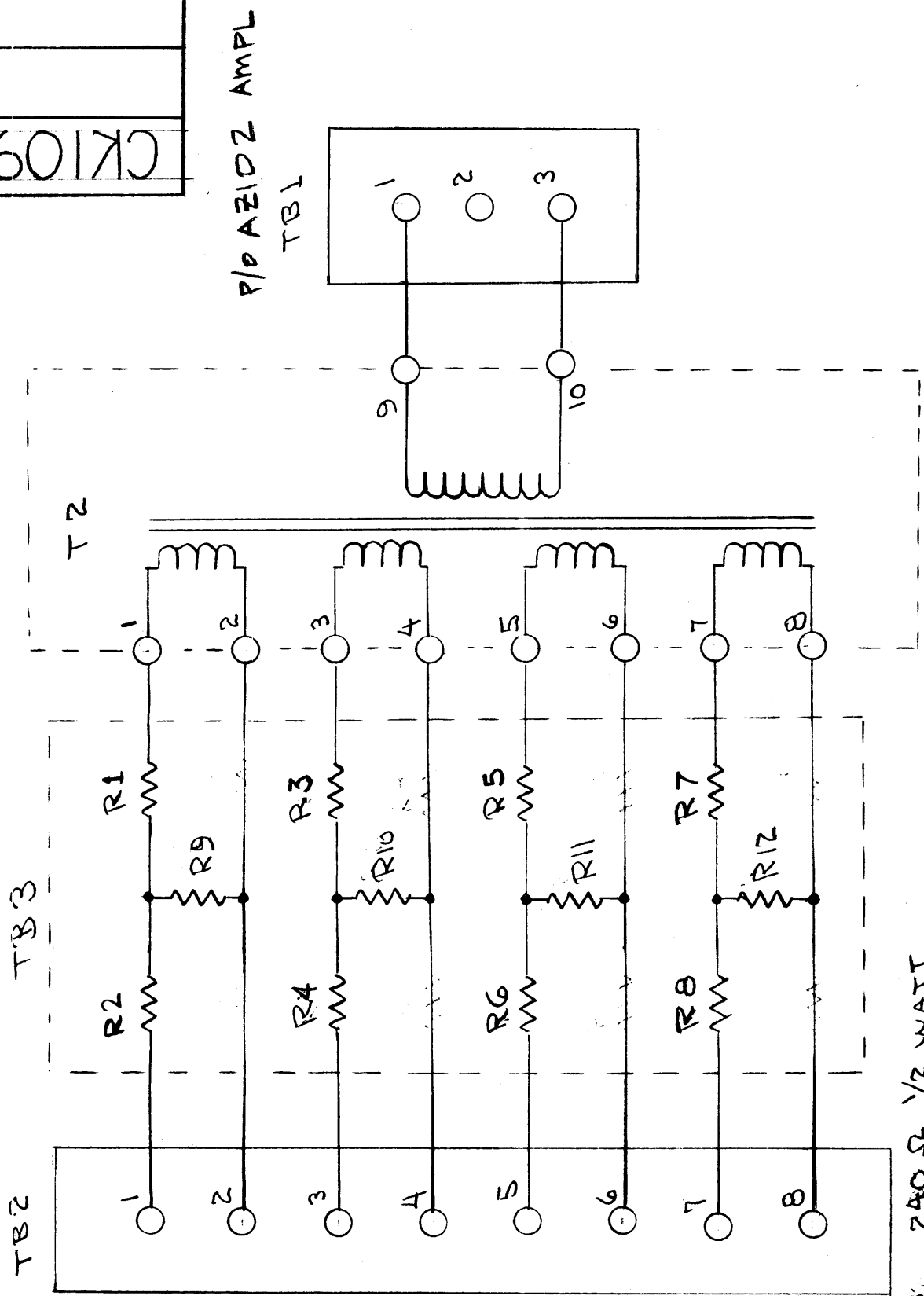
| | | | |
|---|---------------|--------|-----------|
| QTY./UNIT | MODEL USED ON | PTCA-1 | ASBY. NO. |
| SCALE | CODE | | |
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NOTES

REVISIONS

| SYM | DESCRIPTION | DATE | E.M.N. NO. | DRAFT | CHKD | APPD |
|-----|---------------------------------------|---------|------------|-------|------|------|
| Ø | ORIGINAL RELEASE FOR PRODUCTION | 2-23-66 | -A- | JC | JC | |
| A | ON TB-3, RELEGATED SYMBOLS R1 THRU R8 | 3-7-66 | 15935 | MIA | MIA | |

660170
CK1099



R1 - R8: 240Ω 1/2 WATT
R9 - R12: 330Ω 1/2 WATT

TB-1 P/O BSP AMP.

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| REQ'D. | ITEM | PART NUMBER | DESCRIPTION | SYMBOL |
|---|-----------|-------------|------------------|--------|
| | N. CARTER | | LIST OF MATERIAL | |
| MATERIAL | | | | |
| FINISH | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES | | | | |
| DECIMALS | FRACTI NS | | | |
| .X ± .05 | ± 1/64 | | | |
| .XX ± .01 | ANGLES | | | |
| .XXX ± .005 | ± 0° 30' | | | |
| DRAWN | | | | |
| DATE | | | | |
| CHECKED | | | | |
| DATE | | | | |
| ELECT. DES. | | | | |
| DATE | | | | |
| MECH. DES. | | | | |
| DATE | | | | |
| M/L ZB | | | | |
| SHEET | | | | |
| 2/23 | | | | |
| REV. LTR. | | | | |
| A | | | | |

| DATE | FINAL APPROVAL | DATE |
|---------|----------------|---------|
| 2-23-66 | [Signature] | 2/23/66 |
| 3-7-66 | [Signature] | 3/7/66 |

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

SCHMATIC, DIAGRAM