

| REVISIONS |      |                           |         |          |       |           |
|-----------|------|---------------------------|---------|----------|-------|-----------|
| SYM       | ZONE | DESCRIPTION               | DATE    | E.M.N.NO | DRAFT | CHKD APPD |
|           | Ø    | ORIGINAL RELEASE FOR PROD | 3/14/66 |          |       |           |
| A         |      | CORRECTED AND UPDATED     | 7/15/66 |          | MJT   |           |

| FROM   | TERMINAL BOARD, PLUG OR JACK | PIN DESIGNATION                | TO   | TERMINAL BOARD, PLUG OR JACK | PIN DESIGNATION   | FUNCTION          | CURRENT REMARKS                 |
|--------|------------------------------|--------------------------------|--|------------------------------|-------------------|-------------------|---------------------------------|
| RTPF-1 | P-1007                       | 2                              | RTKY-1   | P-6501                       | R                 | +6 VDC            | FOR<br>DETAIL<br>SEE<br>CA-1196 |
|        |                              | 3                              |  |                              | S                 | -18 VDC           |                                 |
|        |                              | 4                              |  |                              | T                 | -18 VDC DELAYED   |                                 |
|        |                              | 25                             |  |                              | U                 | -24 VDC           |                                 |
|        |                              | 9                              |  |                              | H                 | TAPE READ BIT 2   |                                 |
|        |                              | 12                             |  |                              | D                 | * BIT 5           |                                 |
|        |                              | 10                             |  |                              | F                 | BIT 3             |                                 |
|        |                              | 11                             |  |                              | E                 | BIT 4             |                                 |
|        |                              | 8                              |  |                              | J                 | BIT 1             |                                 |
|        |                              | 28                             |  |                              | g                 | TAPE PUNCH BIT 1  |                                 |
|        |                              | 32                             |  |                              | b                 | * BIT 5           |                                 |
|        |                              | 30                             |  |                              | d                 | BIT 3             |                                 |
|        |                              | 31                             |  |                              | c                 | BIT 4             |                                 |
| 29     | f                            | BIT 2                          |  |                              |                   |                   |                                 |
| 6      | B                            | SEARCH COMPLETE                |  |                              |                   |                   |                                 |
| 5      | A                            | SEARCH START                   |  |                              |                   |                   |                                 |
| 27     | Y                            | START PROCESS                  |  |                              |                   |                   |                                 |
| 1      | W                            | 115 VAC                        |  |                              |                   |                   |                                 |
| 20     | X                            | 115 VAC                        |  |                              |                   |                   |                                 |
| 7      | C                            | GND                            |  |                              |                   |                   |                                 |
| 33     | a                            | GND (FEED DIRECTIONAL CONTROL) |  |                              |                   |                   |                                 |
| RTPF-1 | P-1007                       | 26                             | RTKY-1   | P-6501                       | V                 | GND               |                                 |
| RTPF-1 | P-1008                       | 15                             | RTRS-216   | TB-6000                      | 1                 | BIT CONTROL RELAY | FOR<br>DETAIL<br>SEE<br>CA-1197 |
|        |                              | 2                              |  |                              | * BIT 1           |                   |                                 |
|        |                              | 3                              |  |                              | BIT 2             |                   |                                 |
|        |                              | 4                              |  |                              | BIT 3             |                   |                                 |
|        |                              | 5                              |  |                              | BIT 4             |                   |                                 |
|        |                              | 6                              |  |                              | BIT 5             |                   |                                 |
|        |                              | 7                              |  |                              | -12 VDC           |                   |                                 |
|        |                              | 8                              |  |                              | BIT CONTROL RELAY |                   |                                 |
|        |                              | 19                             |  |                              | { DELAYED "A"     |                   |                                 |
|        |                              | 20                             |  |                              | { CONTACTS        |                   |                                 |
|        |                              | 16                             |  |                              | { PUNCH           |                   |                                 |
|        |                              | 17                             |  |                              | { NO PUNCH        |                   |                                 |
|        |                              | 18                             |  |                              | { CONTROL         |                   |                                 |
| 14     | 26 VDC                       |                                |  |                              |                   |                   |                                 |
| 1      | 26 VDC                       |                                |  |                              |                   |                   |                                 |
| 21     | RTRS-216                     | TB-6001                        | 6  | COMMON BIT                   |                   |                   |                                 |
| RTPF-1 | P-1009                       | C                              | EXTERNAL CABLE TO CUSTOMERS TTY SERVICE (NOT SUPPLIED) |                              |                   | MARK OUTPUT       | SEE NOTE 2                      |
| RTPF-1 | P-1009                       | E                              |  |                              |                   | COMMON            |                                 |
| RTPF-1 | P-1009                       | A                              |  |                              |                   | SPACE             |                                 |

NOTE:

- SINCE THESE UNITS MUST BE CO-LOCATED IN ORDER TO FUNCTION AS A REMOTE TUNING GROUP, THE MAXIMUM WIRE SIZE REQUIRED WOULD BE APPROXIMATELY #22 AWG. THE 115 VOLTS AC LINE SHOULD BE #18 AWG MINIMUM AND SHIELDED.
- TELETYPE BATTERY LOOP OUTPUT. FOR NEUTRAL KEYING CONNECT BETWEEN TERMINALS C AND E. FOR POLAR KEYING USE TERMINALS C,E AND A.

\* REFER TO INSTRUCTION MANUAL FOR DETAILS ON TUNING CODE.

RTPF-1 TO RTKY-1  
P1007 TMC PART NO. JJ-313-3H-3H  
P6501 TMC PART NO. PL-249

RTPF-1 TO RTRS-216  
P1008 TMC PART NO. JJ-313-2H  
TB6000 TMC PART NO. TM 105-10AR } FANNING STRIP  
TB6001 TMC PART NO. TM 105-10AR }

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ±1/64 ±.005 ±1/2°

| QTY REQ                     | ITEM | PART NO. | DESCRIPTION                         | SYMBOL   |
|-----------------------------|------|----------|-------------------------------------|----------|
| H. JOHNSON BILL OF MATERIAL |      |          |                                     |          |
| FINAL APPROVAL              |      | DATE     | THE TECHNICAL MATERIEL CORP.        |          |
| MECH. DES.                  |      | DATE     | MAMARONECK, NEW YORK                |          |
| ELECT. DES.                 |      | DATE     | REMOTE TUNING CONTROL GROUP         |          |
| CHECKED                     |      | DATE     | CABLE INTERCONNECTIONS              |          |
| DRAWN                       |      | DATE     | TMC MODELS RTPF-1, RTRS-216, RTKY-1 |          |
| APPROVED FOR BUSHIPS        |      | CODE     | SIZE                                | DWG. NO. |
| CONTRACT NO.                |      | 82679    | C                                   | ID-356   |
|                             |      | SCALE    | SHEET OF                            |          |
|                             |      |          | A                                   |          |

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.