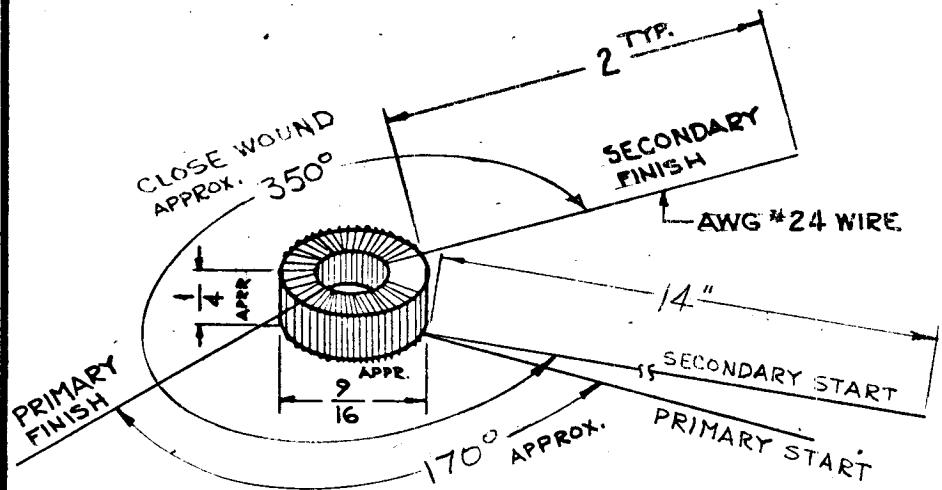


THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

| REQ. PER UNIT | USED ON |           |        |
|---------------|---------|-----------|--------|
|               | MODEL   | ASSY. NO. | DATE   |
| 1             | HFR-1A  |           | 3-9-64 |
| 1             | HFR-2   |           | 3-9-64 |

TZ 177 B



**ELECTRICAL SPECIFICATIONS**

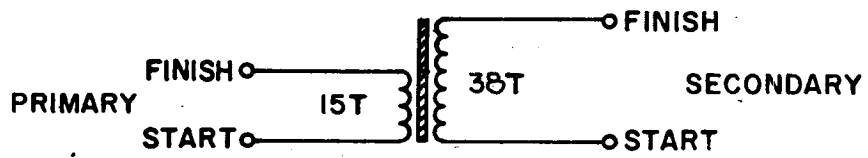
SECONDARY ~  $L = 6.07 \mu h \pm 0.15 \mu h$   
 WITH COIL CLAMPED INTO Q METER  $1/2''$  AWAY FROM TERMINALS,  
 WITH START END OF COIL TO LOW SIDE.  
 $Q = 210$  MIN AT 7.0 MC.  
 $C_{dist.} = 1.6 \mu f$  (FOR REF. ONLY)

PRIMARY ~  $L = 1.36 \mu h \pm 0.07 \mu h$   
 $Q = 60$  MIN. AT 7.0 MC  
 $C_{dist.} = 6.7 \mu f$  (FOR REF. ONLY)

| MODEL  | REQ | FUNCTION | FREQ (MC) | SYMBOL |
|--------|-----|----------|-----------|--------|
| HFR-1A | 1   | BAND #3  | 4-6 MC    | T1004  |
| HFR-2  | 1   | BAND #3  | 4-6 MC    | T1004  |

\* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

**SCHEMATIC DIAGRAM**



| SYM | DESCRIPTION                      | DATE     | CH. NO. | DRAFTS | CHECKER | ENG. APP. |
|-----|----------------------------------|----------|---------|--------|---------|-----------|
| B   | NOTE ADDED                       | 1-12-67  | 17575   | RME    | G.D.L.  | MM        |
| A   | SEC "Q" WAS 215, PRI "Q" WAS 365 | 11-21-66 | 17299   | RME    | W.S.D.  |           |
| Q   | ORIGINAL RELEASE FOR PRODUCTION  | 8-13-64  |         |        |         |           |
| X   | EXPERIMENTAL RELEASE             | 3-26-64  |         |        |         |           |

| REQ. | ITEM | PART NO. | DESCRIPTION  | SYMBOL |
|------|------|----------|--|--------|
|      |      |          | THE TECHNICAL MATERIEL CORP.<br>MAMARONECK, NEW YORK |        |
|      |      |          | TRANSFORMER, ANTENNA                                 |        |
|      |      |          | BAND 3, FREQ. 4-6 MC                                 |        |
|      |      |          | G.D.L.   | @      |
|      |      |          | J. Auger   |        |
|      |      |          | TZ 177   | B      |

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES ON  
 FRAC.  $\pm 1/64$  DEC.  $\pm .005$  ANGLES  $\pm 1/2^\circ$   
 SCALE: NONE IA 3525  
 MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.  
 REMOVE ALL BURRS AND SHARP EDGES