

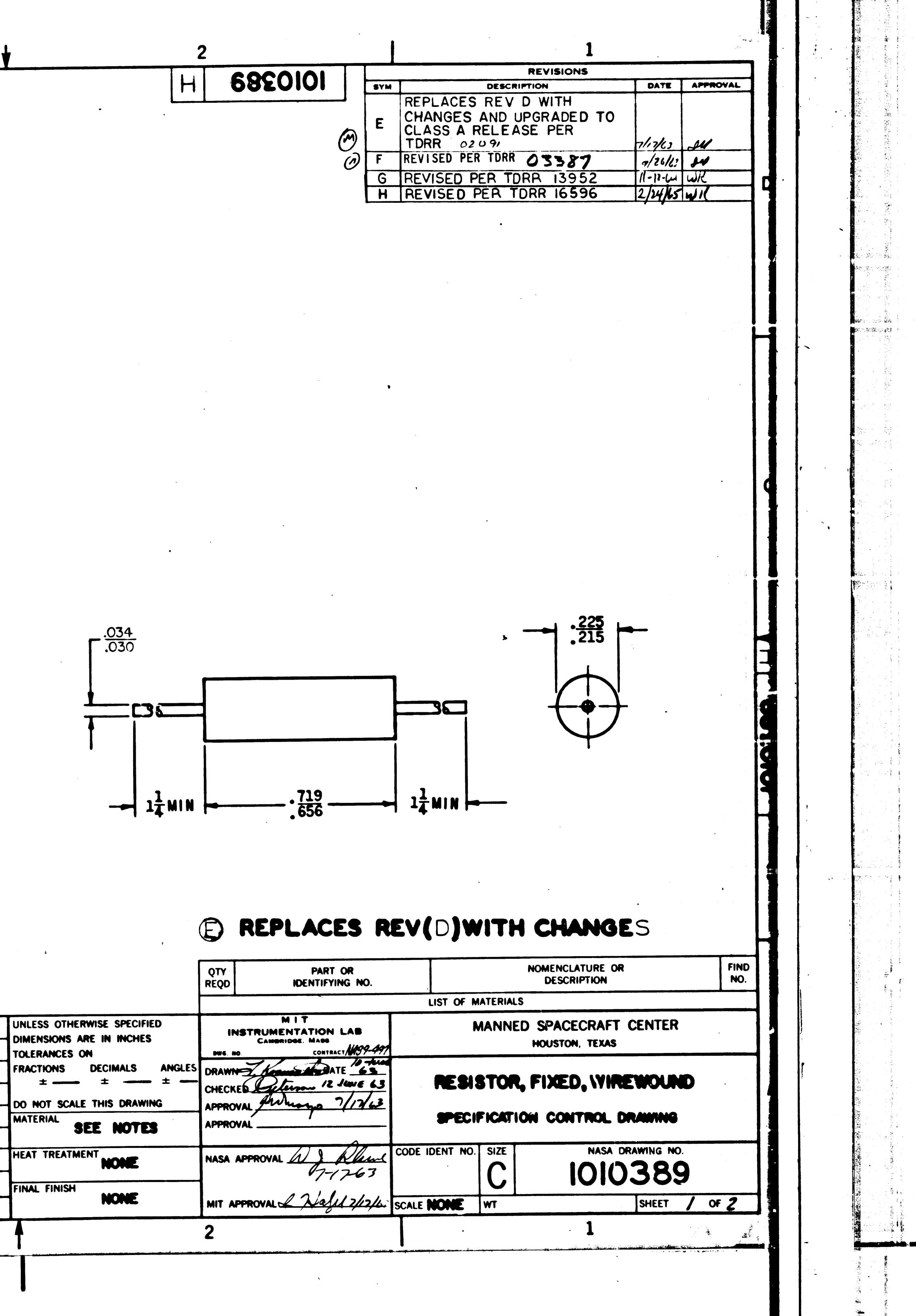
IFICATION MIL-R-26, CHARACTERISTIC 6, FOR INSULATED B. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS C. INTERPRET DRAWING SYMBOLS, ABBREVIATIONS AND REFERENCE DES-IGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS PRE-D. PACKAGING: UNITS SHALL BE PACKAGED PER MIL-R-26, LEVEL A. (1) LEADS: NICKEL ALLOY PER ND PS 1015400. A CERTIFICATE OF COMPLIANCE TO THIS REQUIREMENT SHALL ACCOMPANY (2) MARKING: MARK UNITS PER ND 1002019 WITH THE NASA PART NUMBER AND REVISION LETTER AND THE MANUFACTURER'S NAME AND/OR SYMBOL, RESISTANCE VALUE, TOLERANCE AND POWER RATING. THE MANUFACTURER'S PART NUMBER MAY APPEAR ON THE PART OR PACKAGE. MARKING OF UNIT PACK-AGES AND EXTERIOR SHIPPING CONTAINERS SHALL INCLUDE NASA PART NUMBER AND REVISION LETTER PER MIL-STD-129 B. POWER RATING: 3 WATTS @ 25°C DERATED TO ZERO AT 275°C. D. MAXIMUM RATED CONTINUOUS WORKING VULTAGE:  $E = \sqrt{PR} OR$ E. RESISTANCE ELEMENT: RESISTANCE WIRE USED SHALL HAVE A MINIMUM DIAMETER OF 0,001 INCH. (SEE NOTES FOR EXCEP-

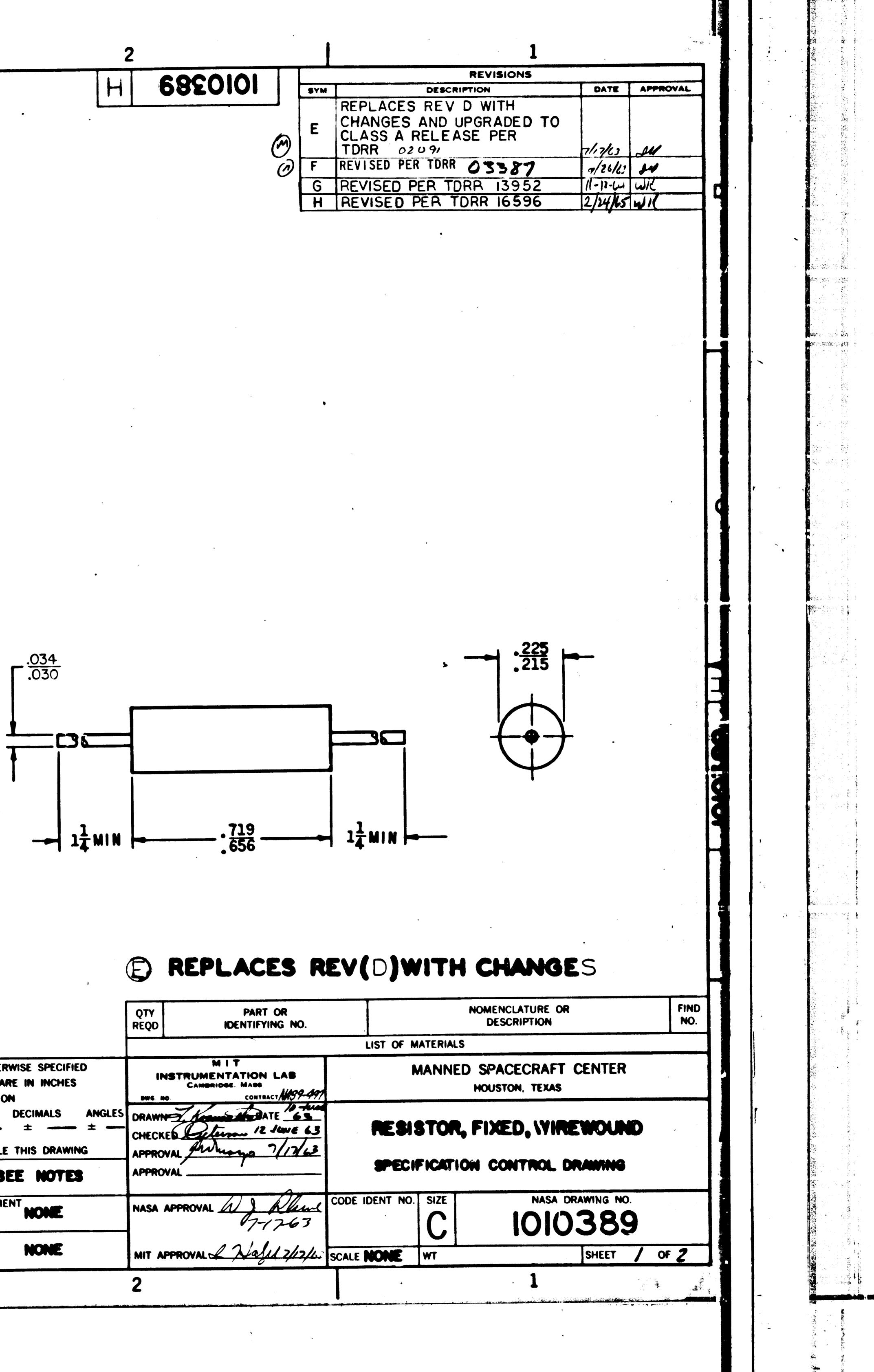
F. DIELECTRIC STRENGTH: 1000 VOLTS AC TRMS, 60 CYCLE.

EACH LEAD SHALL BE CAPABLE OF WITHSTANDING TWO (2) BENDS UNDER A TWO (2) POUND VERTICAL PULL (LEAD VERTICAL WITH RESPECT TO UNIT BODY). TWO (2) BENDS SHALL BE ACCOMP-LISHED BY MOVING THE BODY OF THE UNIT, WHILE IN THE SAME PLANE, THROUGH 90° IN ONE DIRECTION, THEN BACK 180° TO THE OPPIITE DIRECTION, THEN BACK 90° TO THE ORIGINAL POSITICA. NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST.

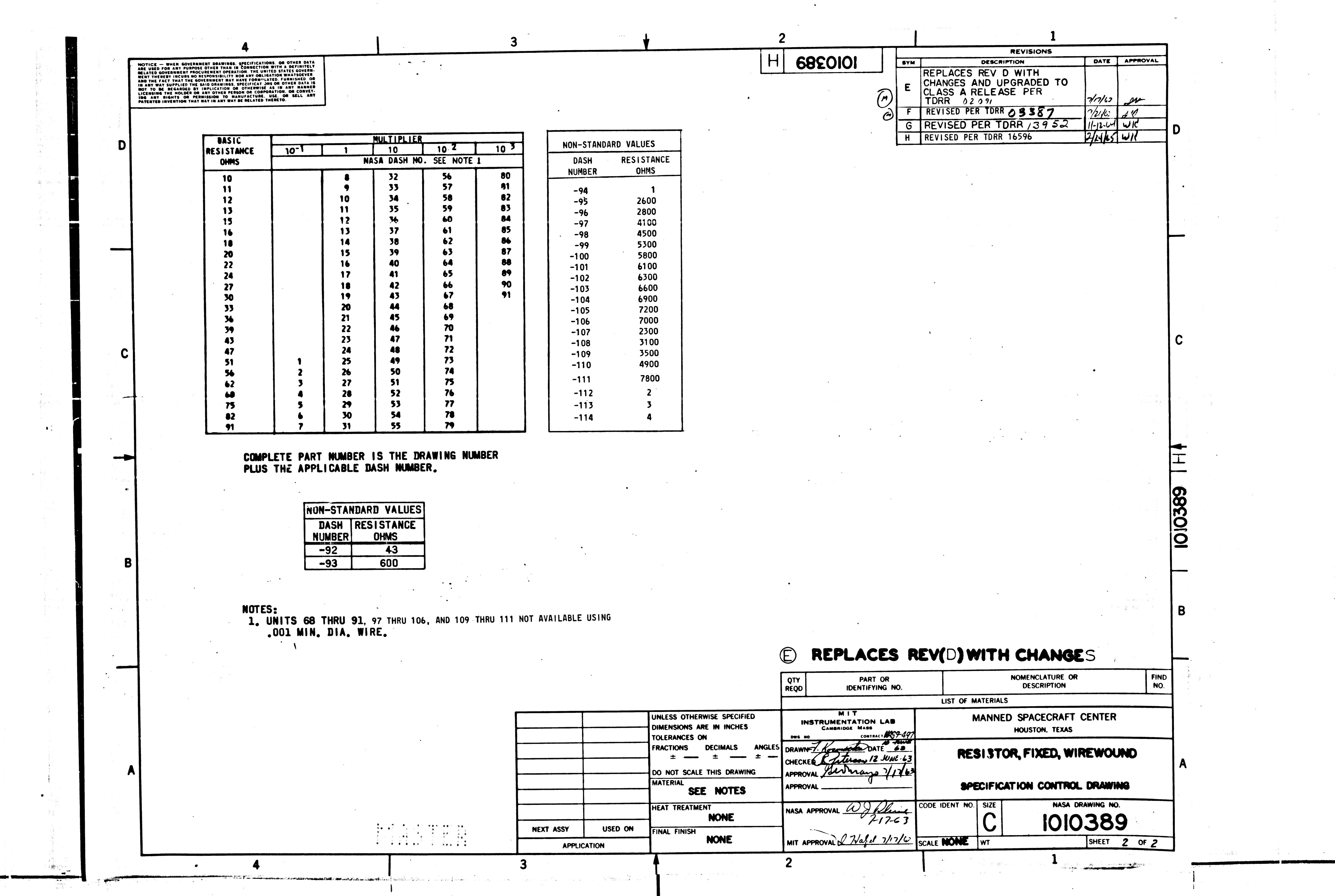
A. BURN-IN TEST: THE MANUFACTURER SHALL BURN-IN ALL RESIS-TORS FOR 100 HOURS AT +25°C AT 3 WATTS @ COMMERCIAL LINE FREQUENCY 1-1/2 HRS ON AND 1/2 HR. OFF. UNITS CHANGING RESISTANCE MORE THAN 0.5% OR EXCEEDING THE INITIAL PURCHASE TOLERANCE SHALL BE REJECTED.

PROCURE ONLY FROM APPROVED SOURCES LISTED MN ND 1002034 FOR THIS DRAWING.  NEXT ASSY USED ON APPLICATION





| NONE  | міт а<br>2 | PPROVAL & Nafel 2/12/6  | SCALE NONE     | WT    |
|---|------------|---|----------------|-------|
| <br>HEAT TREATMENT NONE   |            | APPROVAL A Johnson  | CODE IDENT NO. | C     |
| TOLERANCES ON<br>FRACTIONS DECIMALS ANGLES<br>± ± ±<br>DO NOT SCALE THIS DRAWING<br>MATERIAL<br>SEE NOTES |            | E Conterno 12 Jane 63<br>NAL ANNAN 7/1763                       | RESI<br>SPECI  | FIC   |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES  | REQD       | IDENTIFYING NO.<br>MIT<br>ISTRUMENTATION LAB<br>CAMERIDGE. MASS | LIST OF N      | MATER |
|   | QTY        | PART OR   |                |       |



|     | ATA  |  |
|-----|------|--|
| 41T | ELY  |  |
| VE  | RN-  |  |
|     | ER.  |  |
| ED  | 0    |  |
|     | A 15 |  |
| AN  | NER  |  |
|     | VEY- |  |
|     | ANY  |  |
| -   |      |  |
|     |      |  |
|     |      |  |

| MULTIPLIER |    |            |      |           |  |
|------------|----|------------|------|-----------|--|
| -1         | 1  | 10         | 10.2 | 10 3      |  |
|            | NA | . SEE NOTE | 1    |           |  |
|            |    | 32         | 56   | 80        |  |
|            | 9  | 33         | 57   | <b>B1</b> |  |
|            | 10 | 34         | 58   | 82        |  |
| ļ          | 11 | 35         | 59   | 83        |  |
|            | 12 | 36         | 60   | 84        |  |
|            | 13 | 37         | 61   | 85        |  |
|            | 14 | 38         | 62   | 86        |  |
|            | 15 | 39         | 63   | 87        |  |
|            | 16 | 40         | 64   | 88        |  |
|            | 17 | 41         | 65   | 89        |  |
|            | 18 | 42         | 66   | 90        |  |
|            | 19 | 43         | 67   | 91        |  |
|            | 20 | 44         | 68   |           |  |
|            | 21 | 45         | 69   |           |  |
|            | 22 | 46         | 70   |           |  |
|            | 23 | 47         | 71   |           |  |
|            | 24 | 48         | 72   |           |  |
| 1          | 25 | 49         | 73   |           |  |
| 2          | 26 | 50         | 74   |           |  |
| 3          | 27 | 51         | 75   |           |  |
| 4          | 28 | 52         | 76   |           |  |
| 5          | 29 | 53         | 77   |           |  |
| 6          | 30 | 54         | 78   |           |  |
| 7          | 31 | 55         | 79   |           |  |

| NON-STANDA | RD VALUE |
|------------|----------|
| DASH       | RESIST   |
| NUMBER     | OHM      |
| -94        |          |
| -95        | 26       |
| -96        | 28       |
| -97        | 41       |
| 98         | 45       |
| -99        | 53       |
| -100       | · 58     |
| -101       | 61       |
| -102       | 63       |
| -103       | 66       |
| -104       | 69       |
| -105       | 72       |
| -106       | 70       |
| -107       | 23       |
| -108       | 31       |
| -109       | 35       |
| -110       | 49       |
| -111       | 78       |
| -112       |          |
| -113       | •        |
| -114       |          |
|            |          |

| NUN-STANDARD VALUES |            |  |
|---------------------|------------|--|
| DASH                | RESISTANCE |  |
| NUMBER              | OHMS       |  |
| -92                 | 43         |  |
| -93                 | 600        |  |

|  | 2                       | · · · · · · · · · · · · · · · · · · · |                |           |
|--|-------------------------|---------------------------------------|----------------|-----------|
| FINAL FINISH<br>NONE   | MIT A                   | PPROVAL & Wafel 7/17/6                | SCALE NONE     | WT        |
| HEAT TREATMENT<br>NONE   | NASA                    | APPROVAL W Solicie<br>7-17-63         | CODE IDENT NO. | SIZE<br>C |
| ± ± ±<br>DO NOT SCALE THIS DRAWING<br>MATERIAL<br>SEE NOTES  | CHECK<br>APPRO<br>APPRO | VAL Germans 1/1/63                    | <b>\$</b> Pt   | ECIF      |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON<br>FRACTIONS DECIMALS ANGLES | DWG N                   | T. Kornicka DATE 68                   |                | MAN       |
|  | QTY<br>REQD             | PART OR<br>IDENTIFYING NO.            | LIST OF M      |           |