

ENCAPSULATION: GLASS. UNITS SHALL BE HERMETICALLY SEALED.

LEAD MATERIAL SHALL BE IRON-NICKEL ALLOY, COPPER CLAD, GOLD PLATED IN ACCORDANCE WITH NASA DOCUMENT PS 1015401. A CERTIFICATE OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT.

SHALL WITHSTAND A THERMAL SHOCK OF 300°C FROM 0°C WITHIN 30 SECONDS AND BE RETURNED TO ROOM AMBIENT WITHOUT AFFECTING OPERATING CHARACTERISTICS AS SPECIFIED HEREIN, IN ADDITION TO THE REQUIREMENTS

SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS OF

UNITS SHALL BE 100 PERCENT INSPECTED FOR COMPLIANCE WITH THE

TRANSIENT RESPONSE: USING A TECHTRONIX TYPE S PLUG-IN UNIT AND $I_F = 5$ MILLIAMPERES AND $I_R = 100$ MICROAMPERES, THE MEASURED TIME MUST BE LESS THAN .5 MICROSECOND. THE SLOPE OF THAT PORTION OF THE DISCHARGE CURVE CORRESPONDING TO LINEAR CAPACITANCE SHALL BE

LEAD TESTS: EACH LEAD SHALL BE CAPABLE OF WITHSTANDING THE

LEAD BEND TEST: WITH THE COMPONENT BODY HELD IN A VERTICAL POSITION AND A ONE POUND WEIGHT SUSPENDED IN AN AXIAL DIRECTION FROM THE LEAD UNDER TEST, 2 CYCLES OF BENDS SHALL BE ACCOMPLISHED. ONE CYCLE OF BENDS SHALL CONSIST OF MOVING THE BODY OF THE UNIT IN THE SAME PLANE THROUGH 90 DEGREES IN ONE DIRECTION THEN BACK 180 DEGREES IN THE OPPOSITE DIRECTION AND BACK 90 DEGREES TO THE ORIGINAL POSITION. NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE

(2) LEAD PULL TEST: EACH LEAD SHALL WITHSTAND AN AXIAL PULL OF 4 POUNDS MINIMUM. NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST.

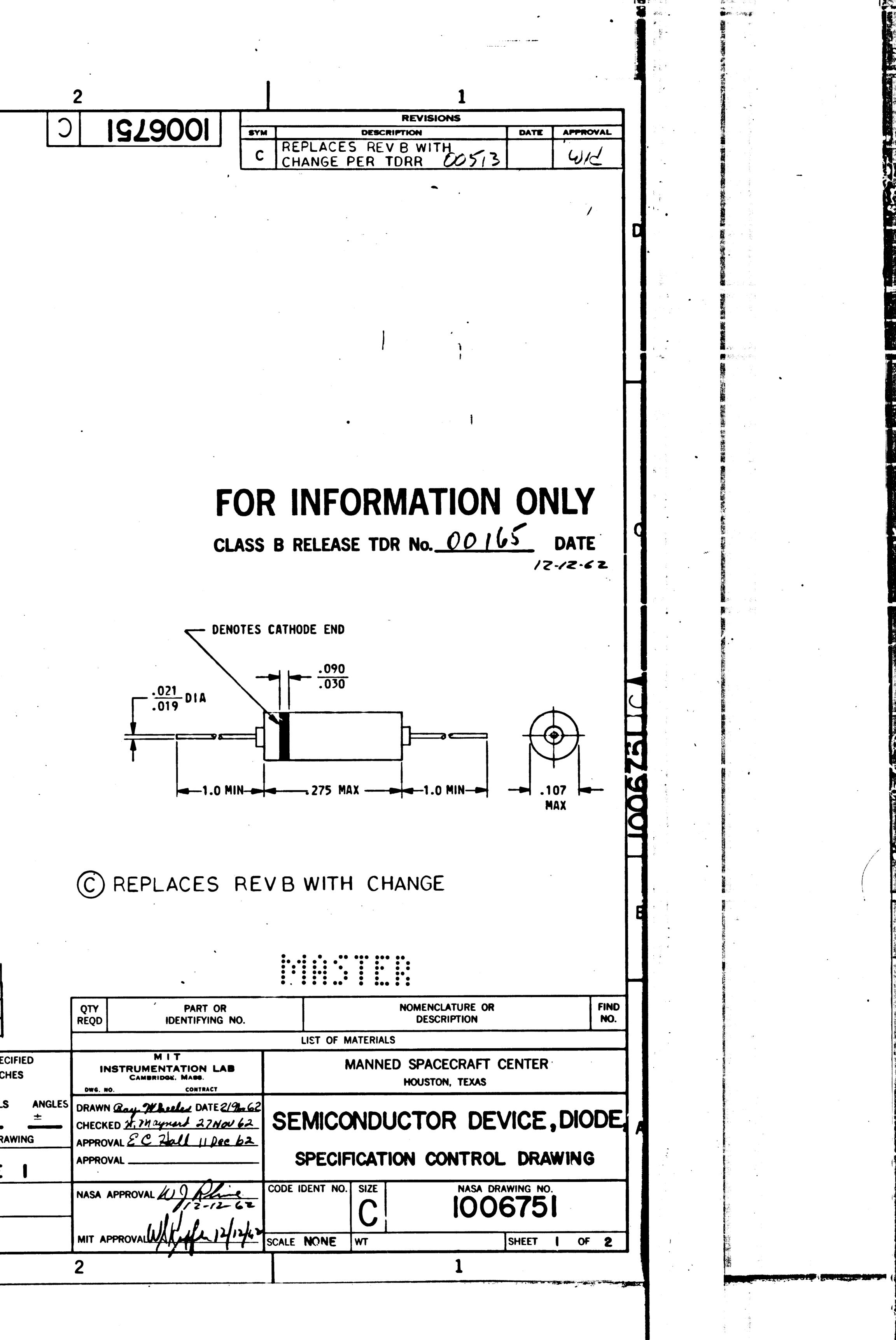
EACH DIODE SHALL BE MICROSCOPICALLY INSPECTED, BEFORE PAINTING, UNDER 10X MAGNIFICATION, FOR FOREIGN PARTICLES, TIPPED DICE, INCOMPLETE SEALING, AND REDUCTION OF LEAD DIAMETER AT POINT OF

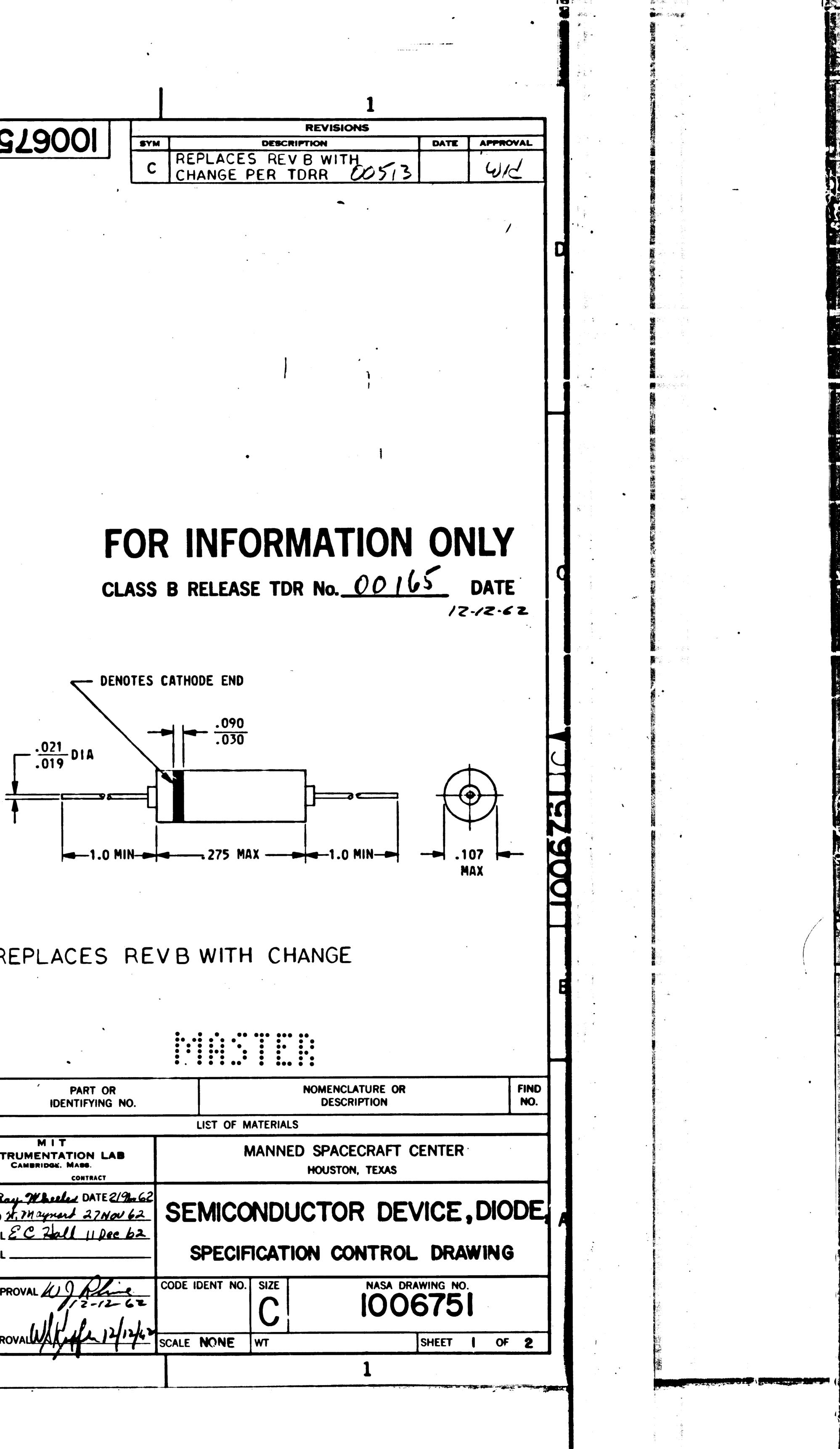
PREPARATION FOR DELIVERY: IN ACCORDANCE WITH MIL-S-19491 LEVEL C PRESERVATION AND PACKAGING AND LEVEL C PACKING. MARKING OF UNIT PACKAGES AND EXTERIOR SHIPPING CONTAINERS SHALL INCLUDE

USED ON

NEXT ASSY

APPLICATION





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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES \pm \pm \pm DO NOT SCALE THIS DRAWING MATERIAL				DWG. N	MIT NSTRUMENTATION LAB CAMBRIDGE, MASS. 10. CONTRACT	MANNED				
				DRAWN Ray Wheeles DATE 2/9662 CHECKED 24, 7M aynart 27Nov 62 APPROVAL & C Zall 11 Dec 62 APPROVAL		SEMICONDUC				
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