DRAWING SIZE D

REVISIONS			
REVISION	DESCRIPTION	DATE (YEAR-MO-DA)	APPROVED
G	REDRAWN WITH CHANGE NOR L09S3155 / 2009-11-09	2009-11-12	BMG
H	NOR L15S3038 / 2015-05-13	2015-05-19	JTD
J	NOR L19S3017 / 2019-03-21	2019-03-29	BMG
K	NOR L19S3014 / 2019-04-23	2019-04-30	GJC
L	NOR L19S3068 / 2020-01-08	2020-01-09	BAC
M	NOR L20S3027 / 2020-02-26	2020-03-05	GJC

NOTES:

1. APPLICABLE SPECIFICATIONS AND STANDARDS:
   A. MIL-G-10944.
   B. MIL-STD-120 REF.
   C. USASI Y14.5-1966.
   D. ASME Y14.100-2017.

2. MATERIAL: ALLOY TOOL STEEL, TYPE A2 PER ASTM A681 OR STAINLESS STEEL, TYPE 440C PER ASTM A276/A276M. HARDNESS: HRC 55 TO 60 OR EQUIVALENT.

   401 Y — MATERIAL
   501 Z — HARDNESS

3. SURFACE FINISH: 63 EXCEPT AS NOTED.

4. BREAK EDGES $.003^{+.012}_{-.000}$ EXCEPT AS NOTED.

5. PROTECTIVE FINISH ON NON-WORKING SURFACES ONLY: FINISH 3.3.1 OR 3.3.2 OF MIL-STD 171. MAY BE APPLIED PRIOR TO FINAL MACHINING OF WORKING SURFACES.

   402 Y — PROTECTIVE FINISH

6. LASER-ETCH ALL MARKINGS EXCEPT AS NOTED. ALL MARKINGS, WHETHER LASER ETCHINGS, LABELS, OR OTHER, SHALL BE PERMANENT AND LEGIBLE PER MIL-STD-130.

   106 O V — MARKING PER MIL-STD-130

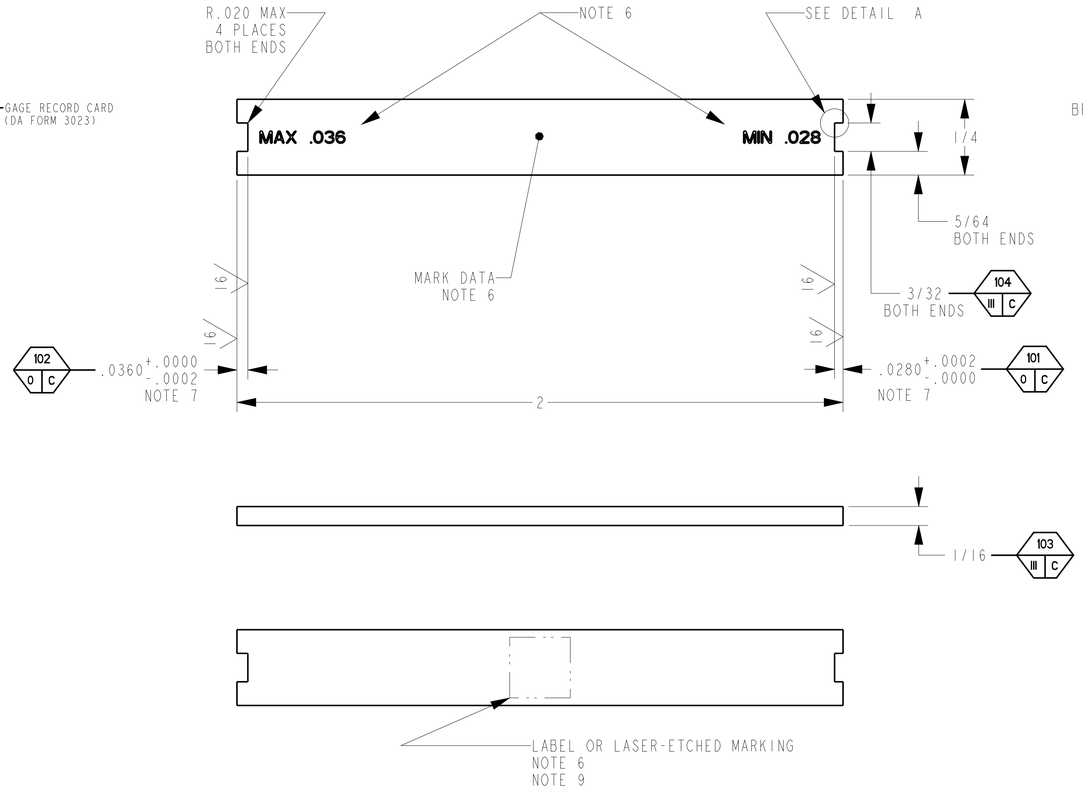
7. NEWLY-PRODUCED GAGES SHALL MEET ALL REQUIREMENTS OF THE DRAWING. ANNUAL RE-CALIBRATION REQUIREMENTS ARE NOTED. WITH REGARD TO ANNUAL RE-CALIBRATION, A REVISION LETTER MAY BE MARKED ON THE GAGE PER EARLIER DRAWING REVISIONS.

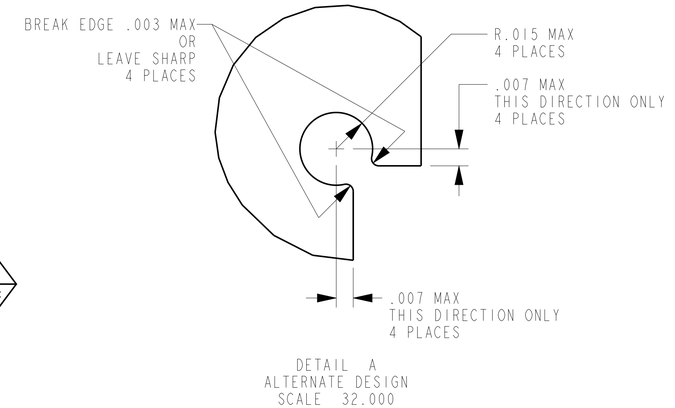
8. ALL MAJOR QAP CHARACTERISTICS SHALL BE LISTED ON THE GAGE RECORD CARD IN THE BLOCK ENTITLED "REQUIRED COMPONENT DIMENSION." EACH DIMENSION SHALL BE MEASURED AND THE MEASUREMENT RECORDED IN THE BLOCK ENTITLED "ACTUAL GAGE DIMENSIONS." EACH CARD SHALL BE SIGNED AND DATED BY THE CONTRACTOR CERTIFYING THAT THE GAGE COMPLIES WITH THE REQUIRED DIMENSIONS SPECIFIED ON THE GAGE DRAWING AND SHALL BE PLACED IN THE PACKAGING WITH THE GAGE. EACH PACKAGED ASSEMBLY SHALL CONTAIN ONE GAGE AND THE GAGE RECORD CARD SPECIFIC TO THAT GAGE. THE GAGE RECORD CARD MUST BE COMPLETED AT THE TIME OF ACCEPTANCE BY THE ACCEPTANCE POINT (ORIGIN OR DESTINATION) IDENTIFIED IN THE CONTRACT.

   107 O V — GAGE RECORD CARD (DA FORM 3023)

9. THE LABEL OR OTHER MARKING SHALL CONTAIN A LINEAR BAR CODE (MACHINE-READABLE INFORMATION), ALONG WITH THE HUMAN-READABLE INTERPRETATION, REPRESENTING THE GAGE IDENTIFICATION NUMBER. A DUPLICATE LABEL OR OTHER MARKING SHALL APPEAR ON THE GAGE RECORD CARD IN THE BLOCK ENTITLED "IDENTIFICATION NO." EACH GAGE IDENTIFICATION NUMBER SHALL BE CHOSEN/ASSIGNED BY THE GOVERNMENT.

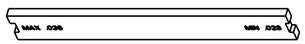
10. QUALITY ASSURANCE PROVISION REQUIREMENTS PER DRAWING NUMBER 12993884 APPLY.





DETAIL A
ALTERNATE DESIGN
SCALE 32.000

105 III C — 16 SURFACE FINISH OF WORKING SURFACES
201 II V — NO MISSING OR DEFECTIVE PROTECTIVE FINISH
202 II V — WORKMANSHIP



ISOMETRIC VIEW
SCALE 2.000

MARK DATA IN BLOCK BELOW ON GAGE IN POSITION SHOWN
7799735 - [ ] ← PRIME CONTRACTOR'S CAGE CODE
RIFLE, 5.56 MM - M16
FIRING PIN PROTRUSION - FIELD SERVICE

CURRENT DESIGN ACTIVITY CAGE CODE 19200
US ARMY
COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER
PICATINNY ARSENAL, NEW JERSEY 07806-5000

THIS DRAWING WAS GENERATED FROM A SOLID MODEL AND IS CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

PART NO. 7799735

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PMIC		DO NOT SCALE DRAWING	CONTRACT NUMBER
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CONTRACTOR
MECHANICAL PROPERTIES	M23I	TOLERANCES ON ANGLES ± 2° 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .010 FRACTIONS ± 1/64	DRAWN BY: R. BROWN — DATE(YEAR-MO-DA): 1963-09-26
YP	M4AI		CHECKER: D. COLLUM — ENGINEER: A. FOLTZ
TS	M4	THIRD ANGLE PROJECTION	ENGINEER: R. BROWN — QUALITY ENGINEER: J. ANDRADE
EL2	M16A4		DRAWING APPROVAL: J. WINDHAM 2009-11-09
RA	M16A3		
BH	M16A2		
RH	NEXT ASSY / USED ON	MATL ENGR / MODELED BY: R. BROWN	DESIGN APPROVAL: M. CROSSON 2009-11-09
	APPLICATION		

DESIGN ACTIVITY: US ARMY SPRINGFIELD ARMORY SPRINGFIELD, MASSACHUSETTS

GAGE, FIRING PIN PROTRUSION

SIZE	DAI	DWG NO.
D	19205	7799735

SCALE 4.000 | UNIT WT. 0.00893 | SHEET 1 OF 1

FORMAT: D_TACOM_ENG_1_0