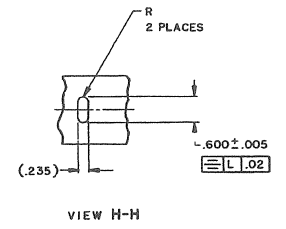
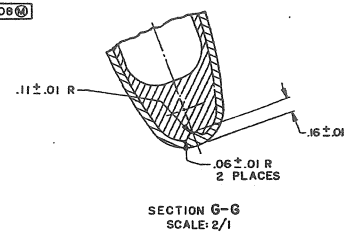
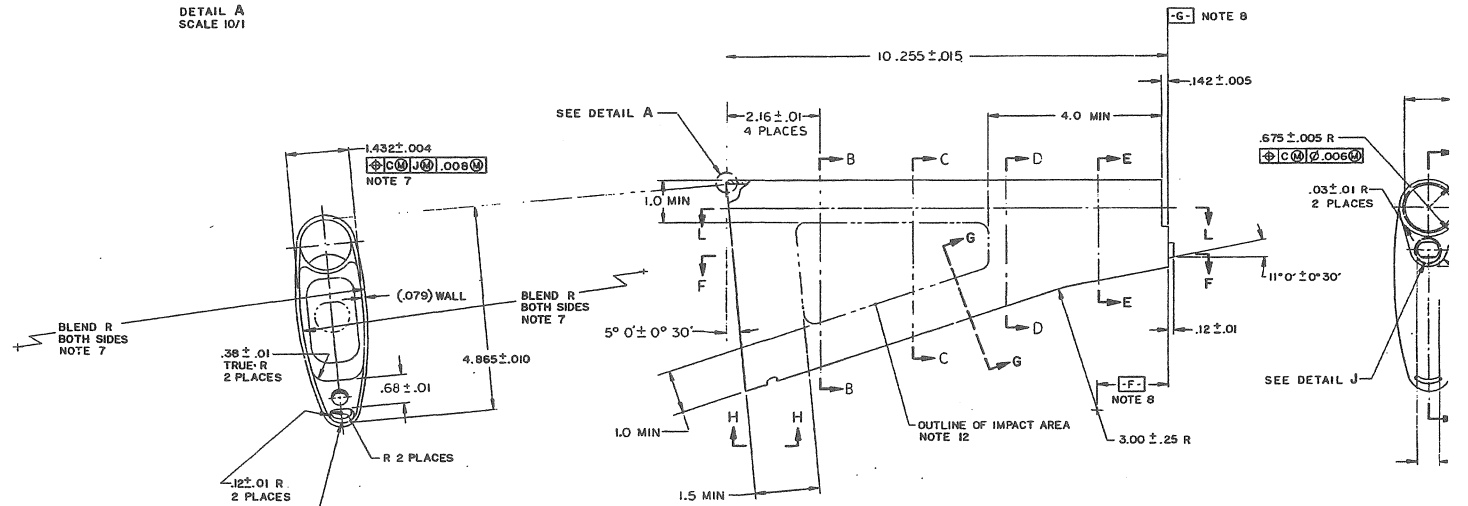
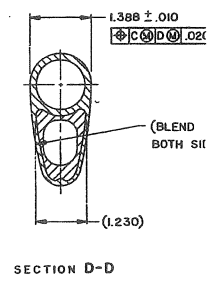
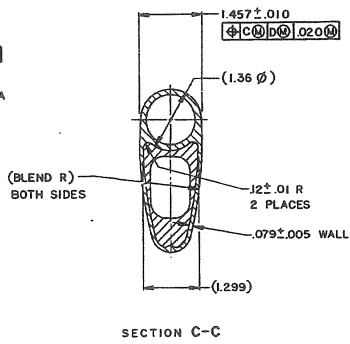
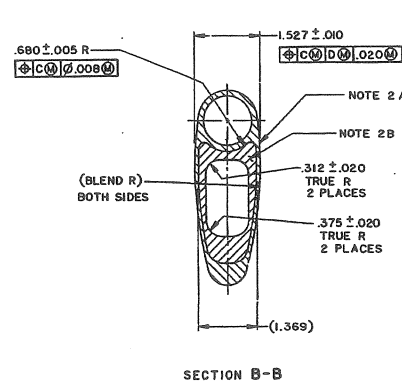
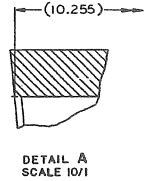


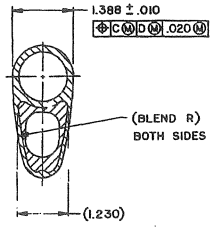
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- NOTES:—
- 1— SPEC. MIL-W-13855 AND ANSI Y14.5-73 APPL.
  - 2— MATERIAL:—  
 A. PLASTIC COMPOUND PER 9349122.  
 B. PLASTIC PER MIL-P-21929, CLASS 2, USING POLYETHER COMPOUND WITH PAPI CATALYST. THE STOCK CAVITY SHALL BE ROUGHENED FOR FOAMING BY SANDING, WIRE BRUSHING OR GRIT BLASTING. THE CAVITY SHALL THEN BE CLEANED AND PRIMED WITH A MIXTURE OF EQUAL VOLUMES OF PRIMER PER ASTM-D-4701. THE PRIMER CAN BE USED AS IS FOR BRUSH OR SWAB APPLICATION, OR DILUTED TO DESIRED VISCOSITY FOR SPRAY APPLICATION WITH SOLVENT PER 9349125. THE PRIMER SHOULD DRY FOR AT LEAST ONE (1) MINUTE AT ROOM TEMPERATURE BEFORE APPLICATION OF FOAM. THE STOCK CAVITY SHALL BE COMPLETELY FILLED WITH PLASTIC AS SHOWN AND BE PROVIDED WITH A CAVITY HAVING A HARD, SMOOTH SURFACE OF .03 MINIMUM THICKNESS. THIS THICKNESS SHALL INCLUDE THE ENTIRE DENSITY GRADIENT BETWEEN MASS AND HARD SURFACE. THERE SHALL BE NO BLOW HOLES EITHER IN THE SKIN ITSELF OR ADJACENT TO THE SKIN.
  - 3— BREAK EDGES .02 MAX EXCEPT AS NOTED.
  - 4— FILLET RADII .03 MAX EXCEPT AS NOTED.
  - 5— DIMENSIONS APPLY AT INTERSECTION OF STRAIGHT LINES.
  - 6— WITHIN DIMENSIONAL REQUIREMENTS ALL CHANGING SECTIONS SHALL BE SMOOTHLY BLENDED.
  - 7— SURFACES UNIFORMLY REDUCED TO BLEND INTO AREA  $\boxed{-F-}$ .
  - 8— SURFACES UNIFORMLY INCREASE IN AREA  $\boxed{-F-}$  FROM  $\boxed{-G-}$ .
  - 9— REMOVE ALL FLASH.
  - 10— NO CRACKS PERMISSIBLE ON HARD MOLDED SHELL.
  - 11— IRREGULARITIES PERMISSIBLE ON EXTERIOR SURFACES, NOT TO EXCEED  $156 \text{ } \mu\text{m}$  (.010 MIN) OR BE WITHIN 100 MIN OF EACH OTHER.
  - 12— THE MOLDED SHELL SHALL BE CAPABLE OF WITHSTANDING AN IMPACT OF 5 IN-LB WITHOUT VISIBLE EVIDENCE OF FAILURE. SUCH AS CRACKING OR CHIPPING. THE IMPACTING MASS SHALL BE STEEL, AND SHALL HAVE A SPHERICAL RADIUS OF  $.125 \pm .010$  INCHES ON THE STRIKING SURFACE. THE SHELL SHALL BE SUPPORTED (SEE NOTE IN ZONE C-6) SO THAT THE IMPACT BLOW WILL BE GRAVITY ACCELERATED AND STRIKE PERPENDICULAR TO THE INDICATED AREA ON THE SHELL (SEE NOTE IN ZONE C-9).
  - 13— FINISH ON ALL EXTERIOR SURFACES SHALL BE LUSTERLESS (FLAT), APPROX BLACK, NO. 37039, TABLE IX BUT NOT LIGHTER THAN GRAY, NO. 36076, TABLE XIII OF FED-STD-595.
  - 14— FINISH  $125 \sqrt{\text{ }}$  ALL SURFACES EXCEPT AS NOTED.

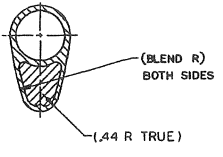


**J 9349 2**  
**REV G**  
**F-1/2**

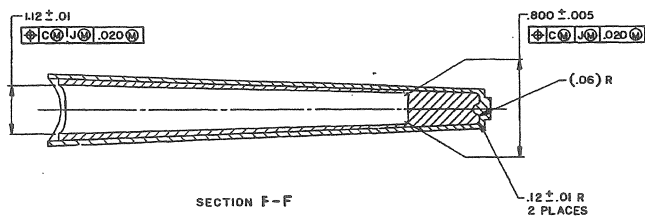
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C	NOR W553006/85-03-12	870219	
D	NOR W55004/860310	880224	
E	(ECP W653028/860521)	890215	
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SECTION D-D

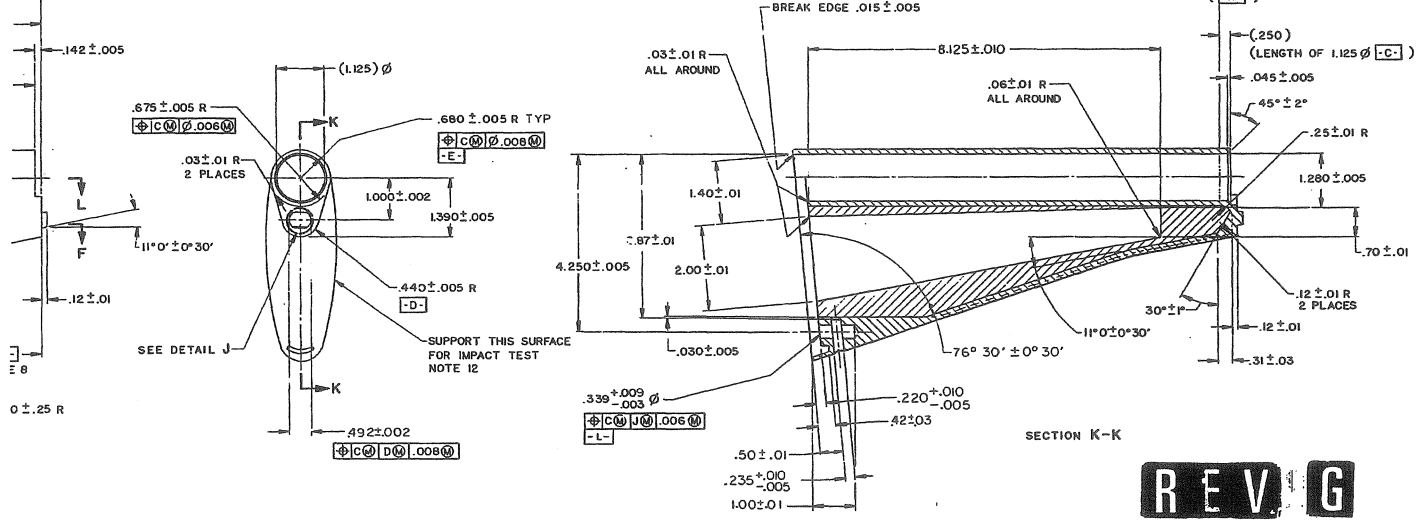


SECTION E-E



SECTION F-F

-G- NOTE 8

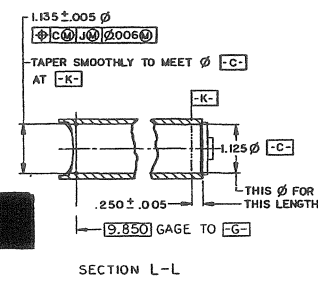


SECTION K-K

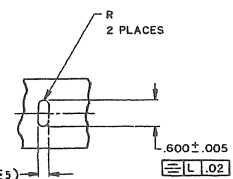
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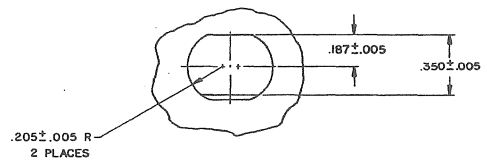
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SECTION L-L



VIEW H-H



DETAIL J  
SCALE: 4/1

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TEMP	YR	UNLESS OTHERWISE SPECIFIED	82-06-09	DESIGNED BY	DEW	US ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER DOVER, NEW JERSEY 07801	
MATERIAL	SYMBOL	DIMENSIONS ARE IN INCHES		DESIGNED BY	DEW	BUTTSTOCK	
M16	ELC	TOLERANCES ON DECIMALS		DESIGNED BY	DEW	BUTTSTOCK	
M16A1	ELC	FRACTIONS		DESIGNED BY	DEW	BUTTSTOCK	
M16A2	ELC	ANGLES		DESIGNED BY	DEW	BUTTSTOCK	
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M16A4	ELC			DESIGNED BY	DEW	BUTTSTOCK	
M16A5	ELC			DESIGNED BY	DEW	BUTTSTOCK	
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