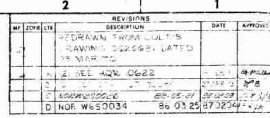
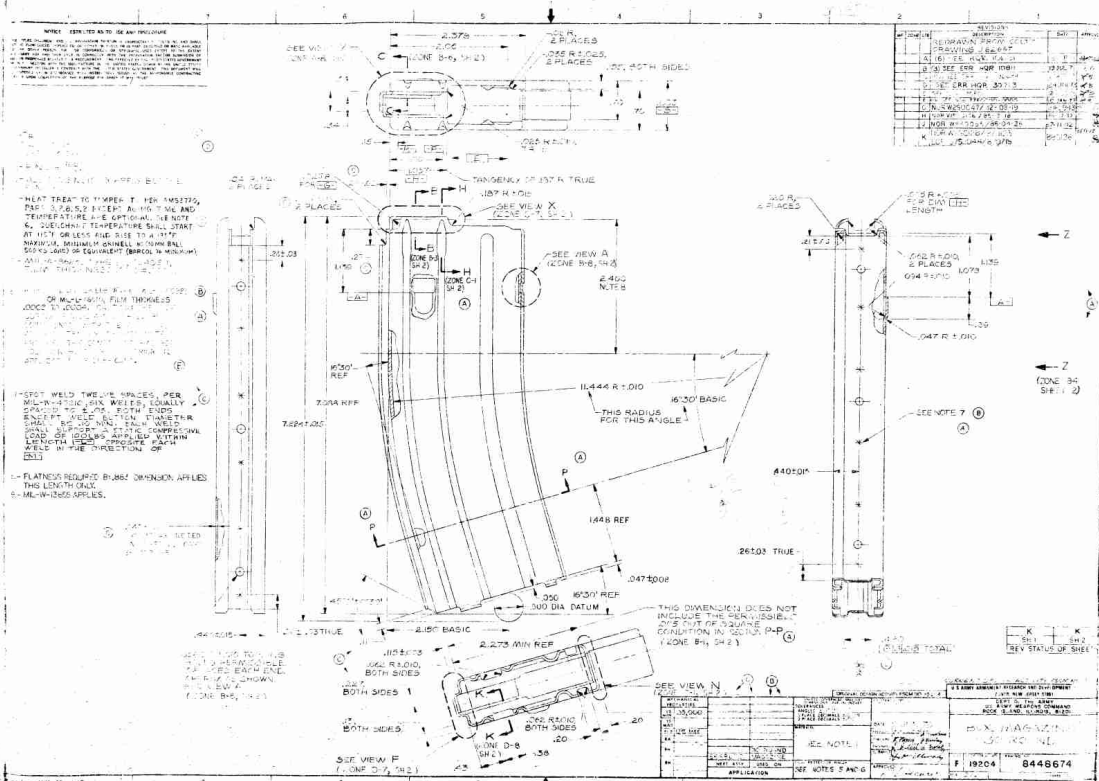
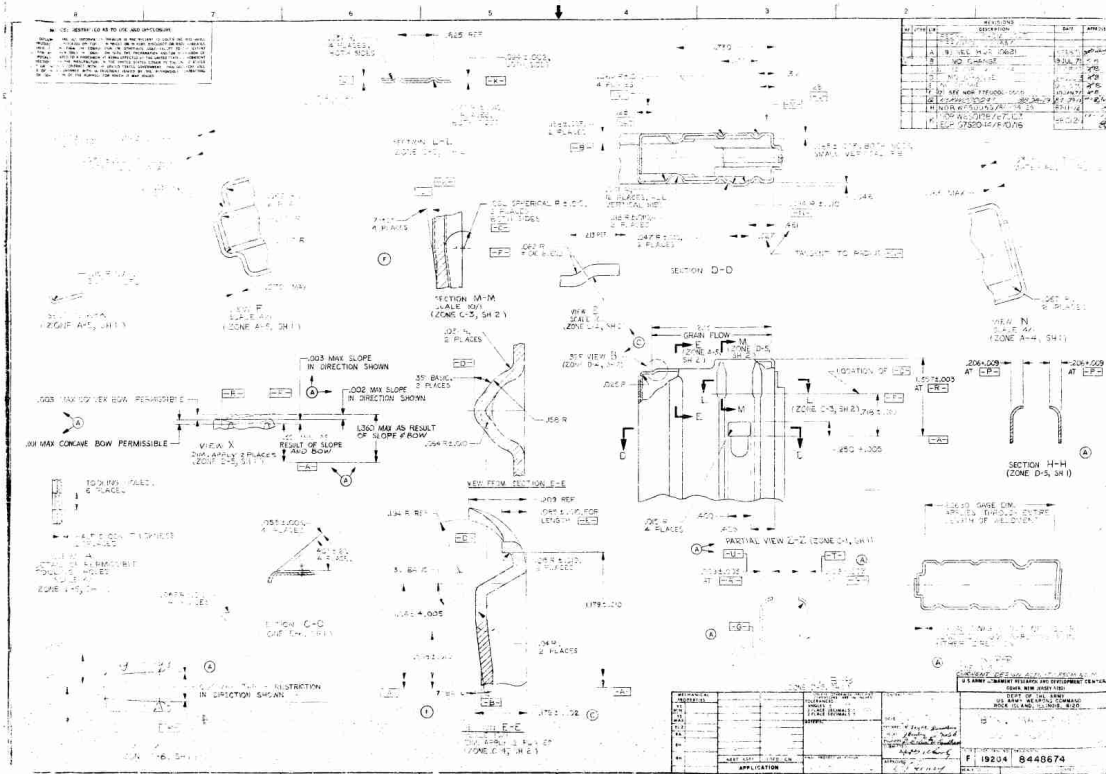


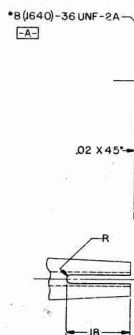
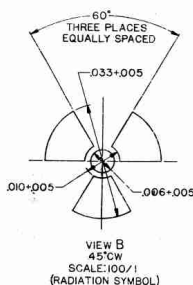


[illegible][illegible]





- NOTES: 1. FINISH:  $\sqrt{}$  EXCEPT AS NOTED.  
2. ALL EDGES SHALL BE BROKEN .005+.010 UNLESS OTHERWISE SPECIFIED.  
3. STEEL, CARBON, COND. CD, CMPSN 1137, SPEC ASTM-A108.  
4. SYMBOL, LETTERS, AND NUMBERS TO BE .005+.005 DEEP.  
5. FINISH 5.3.12 OF MIL-STD-171.  
6. MIL-W-13855 APPLIES.



VIEW A  
(ALTERNATIVE DESIGN)

RADIOACTIVE CONTENT, SEE  
TABULATION AND NOTE 4

RADIOACTIVE ELEMENT SYMBOL,  
SEE TABULATION AND NOTE 4

DATE OF ELEMENT ASSEMBLY,  
REF DWG 8448689 OR 12002965;  
MONTH  $\pm$  1 MONTH, HYPHEN, AND  
YEAR, EXAMPLE 06-71 (SEE NOTE 4)

PART NO.	NEXT ASSY	RADIOACTIVE ELEMENT SYMBOL	RADIOACTIVE CONTENT
8448689-2	C12002965	H-3	9 MC

CURRENT DESIGN ACTIVITY FBCH NO. 19200  
US ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER  
FOSTER, NEW JERSEY 07424

REVISIONS		DATE		APPROVED	
REV	DATE	BY	DATE	BY	DATE
1	11	SEE ERM HGR 1001	22 DEC 70	SPC	
2	11	SEE ERM HGR 2003	25 JAN 71	SPC	
3	11	SEE ERM HGR 3009	24 MAR 71	SPC	
4	11	SEE ERM HGR 4004	14 OCT 71	SPC	
5	11	SEE ERM HGR 5005	20 DEC 71	SPC	

DESIGNER	DATE	25 JUN 71
ENGINEER	DATE	25 JUN 71
TESTER	DATE	25 JUN 71
INSPECTOR	DATE	25 JUN 71
APPROVER	DATE	25 JUN 71
DATE	25 JUN 71	
TIME	10:00	
LOCATION	FOSTER, NJ	
PROJECT	8448689	
APPLICATION	SEE NOTE 5	

NOTES:-  
1. MIL-W-13855 APPLIES.

REVISE		REVISIONS	
MP	ZONE	DESCRIPTION	DATE
A	INDR W952009	80-02-13	80-05-16
B	INDR W150003/81-03-27		83-09-14

SAME AS MSI6535-I25 EXCEPT  
FINAL PROTECTIVE FINISH TO BE  
5.3.1.2 OR 5.3.2.2 OF MIL-STD-171.

CURRENT  
FSCM NO.  
19200

ALTERED ITEM DRAWING  
PART NO. 8448697

MECHANICAL PROPERTIES		8448300 M203		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES		CONTRACT NO.		DEPT OF THE ARMY	
TS		CB448565	MI6	TOLERANCES:	DATE 11 APR 72	PREP		US ARMY WEAPONS COMMAND	
MS			MI6AI	ANGLES:		CHK		ROCK ISLAND, ILLINOIS, 61201	
WAS				3 PLACE DECIMALS: ±		ENG		RIVET	
LS		D8448663	MI6	2 PLACE DECIMALS: ±		PLN			
EA			MI6AI	MATERIAL		APP			
SH									
WH									
NEXT ASSY		USED ON		FINAL PROTECTIVE FINISH		APPROVED		TYPE CODE IDENT NO. DRAWING NO.	
APPLICATION				SEE NOTE		B 19204		8448697	

AMSWE Form 4038, 13 Nov 70

EDITION OF 29 JUL 69 MAY BE USED.

NOTES:		REVISONS																													
<p>1. WIRE, STEEL, MUSIC SPRING QUALITY PER ASTM-A228 TABLE I .022 SIZE EXCEPT TENSILE STRENGTH TO BE 363,000 TO 393,000 PSI.</p> <p>2. STRESS RELIEVE-HOLD AT 450°F±25°F FOR 30 MIN.</p> <p>3. SUGGESTED SOURCE OF SUPPLY: NATIONAL STANDARD, NILES, MICHIGAN 49120; MAPES PIANO STRING CO., ELIZABETHAN, TENN. 37644; JOHNSON WIRE &amp; STEEL, WORCESTER, MASS.</p> <p>4. MANUFACTURE IN ACCORDANCE .100 MIN WITH TYPE I, GRADE A, MIL-S-13572.</p> <p>5. MIL-W-13855 APPLIES (A)</p> <p>6. BREAK SHARP EDGES .003" .012</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>MP</th> <th>ZONE</th> <th>LIB</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> <tr> <td>A</td> <td></td> <td></td> <td>SEE ERR HQR 20778</td> <td>6 OCT 72</td> <td><i>[Signature]</i></td> </tr> <tr> <td>B</td> <td></td> <td></td> <td>NOR W9S2009 80-02-13</td> <td>80-05-16</td> <td><i>[Signature]</i></td> </tr> <tr> <td>C</td> <td></td> <td></td> <td>NOR W2S0011 / 82-04-13 (ECP W3S3120 / 83-07-07)</td> <td>83-11-04</td> <td><i>[Signature]</i></td> </tr> <tr> <td>D</td> <td></td> <td></td> <td>NOR W6S014 / 86-03-25 (ECP W6S0106 / 86-10-07)</td> <td>87-02-17</td> <td><i>[Signature]</i></td> </tr> </table>	MP	ZONE	LIB	DESCRIPTION	DATE	APPROVED	A			SEE ERR HQR 20778	6 OCT 72	<i>[Signature]</i>	B			NOR W9S2009 80-02-13	80-05-16	<i>[Signature]</i>	C			NOR W2S0011 / 82-04-13 (ECP W3S3120 / 83-07-07)	83-11-04	<i>[Signature]</i>	D			NOR W6S014 / 86-03-25 (ECP W6S0106 / 86-10-07)	87-02-17	<i>[Signature]</i>
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WIRE DIA .0220

TOTAL COILS 4 REF

DIRECTION OF HELIX OPTIONAL

\* LOAD AT COMPRESSED LENGTH OF 14.0 IN = 20 LB ± 0.2 LB

\* LOAD AT COMPRESSED LENGTH OF 11.2 IN = 42 LB ± 0.4 LB

ONE END EXPANDED TO DIM. (C)

TYPE OF ENDS CLOSED AND GROUND

SOLID LENGTH .090 MAX

NOTES: CONTINUED

\*7. PRESET-COMPRESS TO SOLID HEIGHT 3 TIMES PRIOR TO CHECKING LOADS.

PART NO. 8448753																																																																																																																																																																																																																																																																																																																																																																																																																																													
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AMSWE Form 4038, 13 Nov 70

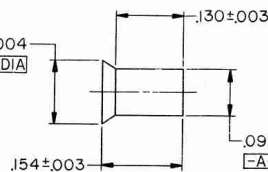
EDITION OF 29 JUL 69 MAY BE USED.

NOTES:

1. RUBBER, FLUOROSILICONE, TYPE II, CLASS I, GRADE 60, SPEC MIL-R-25988 EXCEPT: TABLE II, AGING IN STAUFFER BLEND 7700 FLUID, COMPRESSION SET REQUIREMENTS SHALL NOT APPLY.
2. ALL EXTERIOR AND INTERIOR EDGES TO BE .005 R MAX.
3. MIL-W-13855 APPLIES.

(A)

.125 DIA ± .004  
Φ .125 DIA



CURRENT DESIGN ACTIVITY  
FSCM NO. 19200

U S ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER  
DOVER, NEW JERSEY 07801

PART NO. 8448754

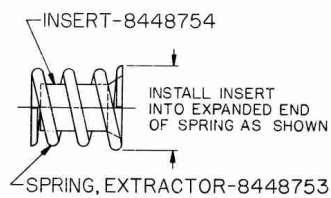
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES		CONTRACT NO.	DEPT OF THE ARMY	
YS		ANGLES ±		DATE	U S ARMY WEAPONS COMMAND	
MIN		3 PLACE DECIMALS ±		4 NOV 71	ROCK ISLAND, ILLINOIS, 61201	
YS		2 PLACE DECIMALS ±		PREP	J. J. [Signature]	
MAX		1 PLACE DECIMALS ±		CHK	J. J. [Signature]	
ELZ	8448755	1 PLACE DECIMALS ±		ENGR	J. J. [Signature]	
RA		1 PLACE DECIMALS ±		DESIGN	J. J. [Signature]	
BH		1 PLACE DECIMALS ±		APPROVED	J. J. [Signature]	
KH		1 PLACE DECIMALS ±		DATE	4 NOV 71	
NEXT ASSY		MATERIAL		DRAWING NO.		8448754
MATERIAL		MIL-STD-1316		SCALE		10/1
APPLICATION		MIL-STD-1316		SHEET		1 OF 1

AMSWE Form 4038, 13 Nov 70

EDITION OF 29 JUL 69 MAY BE USED.



REVISIONS					
MF	ZONE	LTR	DESCRIPTION	DATE	APPROVED
		A	NO. 1250005	02-05-21	03-02-03 JAWR



*CURRENT DESIGN ACTIVITY FSCM NO. 19200*  
U S ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER  
DOVER, NEW JERSEY 07801

SEE PL 8448755

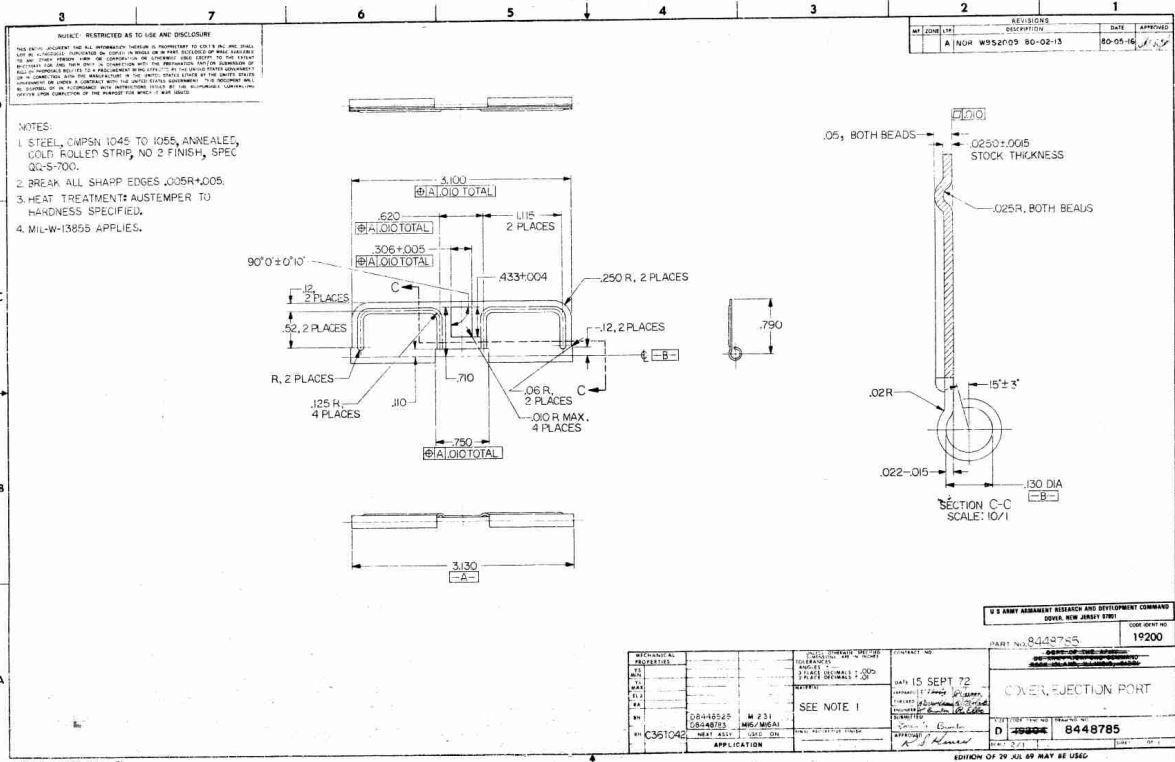
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DATE: <b>4 NOV 71</b>		PART NO. <b>6448755</b>	
YS	TOLERANCES:	ANGLES:		CONTR. <b>W. Wilson</b>		DEPT OF THE ARMY	
MIN		3 PLACE DECIMALS: ---		CHK <b>W. Wilson</b>		US ARMY WEAPONS COMMAND	
MAX		2 PLACE DECIMALS: ---		ENG <b>W. Wilson</b>		ROCK ISLAND, ILLINOIS, 61201	
EL		MATERIAL		ENGR <b>W. Wilson</b>		SPRING ASSY, EXTRACTOR	
RA				SOLVENT <b>W. Wilson</b>			
C644859		MIG		APPROV. <b>W. Wilson</b>		3-1/2" (SEE IDENT NO)	
MIG		MIG		APPROV. <b>R. B. Henry</b>		DRAWING NO	
NEXT ASSY		USED ON		APPROV. <b>R. B. Henry</b>		B 19204	
APPLICATION		FINAL PROTECTIVE FINISH		APPROV. <b>R. B. Henry</b>		6448755	
KH		KH		APPROV. <b>R. B. Henry</b>		SCALE 10/1	
KH		KH		APPROV. <b>R. B. Henry</b>		SHEET J OF	

AMSWE Form 403B, 13 Nov 70

EDITION OF 29 JUL 69 MAY BE USED.







NOTICE: RESTRICTED AS TO USE AND DISCLOSURE		REVISIONS	
THE ENTIRE DOCUMENT AND ALL INFORMATION THEREON IS PROPRIETARY TO COLT'S INC AND SHALL NOT BE REPRODUCED, DUPLICATED OR COPIED IN WHOLE OR IN PART, DISCLOSED OR MADE AVAILABLE TO ANY OTHER PERSON, FIRM OR CORPORATION OR OTHERWISE USED EXCEPT TO THE EXTENT NECESSARY FOR AND THEN ONLY IN CONNECTION WITH THE PREPARATION AND/OR SUBMISSION OF PROPOSALS OR PROPOSALS RELATED TO A PROCUREMENT BEING EXPECTED BY THE UNITED STATES GOVERNMENT IN CONNECTION WITH THE MANUFACTURE IN THE UNITED STATES EITHER BY THE UNITED STATES GOVERNMENT OR UNDER A CONTRACT WITH THE UNITED STATES GOVERNMENT. THIS DOCUMENT WILL BE DECLASSIFIED IN ACCORDANCE WITH INSTRUCTIONS ISSUED BY THE RESPONSIBLE CONTRACTING OFFICE UPON COMPLETION OF THE PURCHASE FOR WHICH IT WAS ISSUED.		MF A NOR W952003 B NOR W352023/83-06-06	LTR 80-02-13 83-09-14
		DESCRIPTION 80-02-13 83-09-14	DATE 80-02-13 83-09-14
		APPROVED <i>[Signature]</i>	

NOTES:

1. FINISH  $\sqrt{}$  EXCEPT AS NOTED.
2. BREAK ALL SHARP EDGES .005 MAX.
3. CARBURIZE .003 TO .006 TOTAL CASE DEPTH.
4. HEAT TREATMENT: QUENCH AND TEMPER TO SURFACE HARDNESS 15 N 90 MIN.
5. FINISH 5.3.12 OF MIL-STD-171.
6. MIL-W-13855 APPLIES.

MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE IN INCHES	
TS		ANGLES	± .005
YS		PLACES DECIMALS	± .005
RA		PLACES DECIMALS	± .005
EL		MATERIAL	STEEL CMPSN 1117
RA			SPEC ASTM A108
RA		HEAT TREAT	SEE NOTE 5
RA		APPLICATION	

CONTRACT NO.		DATE	
15 SEPT 72		15 SEPT 72	
PREP	<i>[Signature]</i>	CHE	<i>[Signature]</i>
INCH	<i>[Signature]</i>	DATE	<i>[Signature]</i>
APPROVED		APPROVED	
<i>[Signature]</i>		<i>[Signature]</i>	

AMSWE Form 4038, 29 Jul 69

U S ARMY AMMUNITION RESEARCH AND DEVELOPMENT CENTER  
DOWEL NEW JERSEY 07001

CURRENT DESIGN ACTIVITY FSCM NO.19200

PART NO. 8448786

LATCH, COVER

B 19204 8448786

SCALE 10/1

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REVISIONS			
REV	ZONE	DESCRIPTION	DATE
1	A	SEE ERR HQR 20778	16 OCT 72
2	B	NOR W352009 80-02-13	80-05-16
3	C	NORW252015 82 08 20	83 02 03
4	D	NOK W25 0011 / 82-04-13	83-11-04
5	E	KECP W353120 / 83-07-07	

SPRING, HELICAL, COMPRESSION

NOTES:

1. WIRE, STAINLESS STEEL, TYPE 316, (17-7PH), COLD DRAWN, ASTM A316.
2. PRECIPITATION HEAT TREAT AFTER FORMING TO CONDITION CH900. HOLD AT 900°F ± 10°F FOR ONE HOUR. AIR COOL.
3. FINISH 5.4J OF MIL-STD-171.
4. MIL-W-13855 APPLIES.
5. BREAK SHARP EDGES .003 ± .012.

WIRE DIAMETER	.0120 ± .0003
COIL DIAMETER (OD)	.120 ± .002
FREE LENGTH	.413 REF
TOTAL COILS	8 REF
DIRECTION OF HELIX	OPTIONAL
LOAD AT COMPRESSED LENGTH OF .201	.80 LB ± .08 LB
LOAD AT COMPRESSED LENGTH OF	
SPRING RATE	3.77 LB/IN REF
SOLID LENGTH	.0984 MAX
TYPE OF ENDS	CLOSED, GROUND
MANUFACTURE IN ACCORDANCE WITH TYPE I, GRADE B, MIL-S-13572	

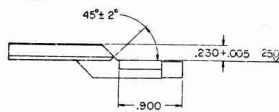
U.S. ARMY AMMUNITION RESEARCH AND DEVELOPMENT CENTER  
DOVER, NEW JERSEY 07801

CURRENT FSCM NO.  
PART NO. 8448787 19200

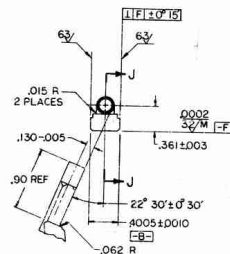
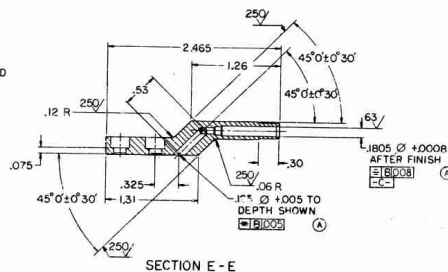
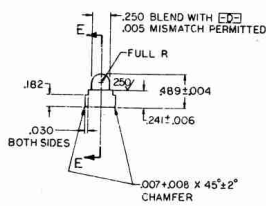
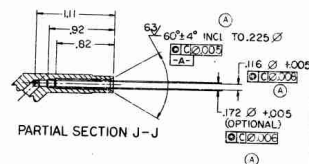
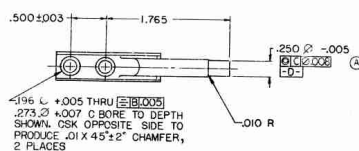
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE IN INCHES		CONTRACT NO.	DATE	DEPT OF THE ARMY
TS		ANGLES ±		15 SEPT 72		U.S. ARMY WEAPONS COMMAND
MS		2 PLACE DECIMALS ±				ROCK ISLAND, ILLINOIS, 61201
EL	D8448525	M 231		CHK		SPRING, COVER LATCH
SA	D8448525	M16/M16A1		ENGR		
BR	15N 845 MIN			TOB		
APPLICATION		FIRE PROTECTION FINISH		SIZE (CODE IDENT NO.) DRAWING NO.		
				B 19204 8448787		
				SCALE		

NOTES:

- 1-SPEC MIL-W-3855 AND ANSI Y14.5 1973 APPLY. (A)
- 2-FINISH 125, EXCEPT AS NOTED.
- 3-SUGGESTED HEAT TREAT PROCEDURE:  
OIL QUENCH FROM 1575°F. TEMPER  
AT 1100°F FOR 1 HOUR.
- 4-FINISH 1222 OF MIL-STD-171 ON DIA  
[A] AND [C]. FILM THICKNESS  
0.002/0.003.
- 5-ALL OTHER SURFACES TO RECEIVE  
FINISH 5.3.1.2 OF MIL-STD-171.



REVISIONS			
QTY	DESCRIPTION	DATE	APPROVE
A	REVISED DWS TO AGREE WITH LATEST ENGR'G CHANGES.	7/30/84	11
B	ERR W952302	7/30/84	11

[illegible]

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED DWG TO AGREE WITH LATEST ENGR'G CHANGES	79-0410	<i>[Signature]</i>
B	ERR W9S 2505	79-0718	<i>[Signature]</i>
C	NOR WIS5002 81-12-02	81-12-15	<i>[Signature]</i>

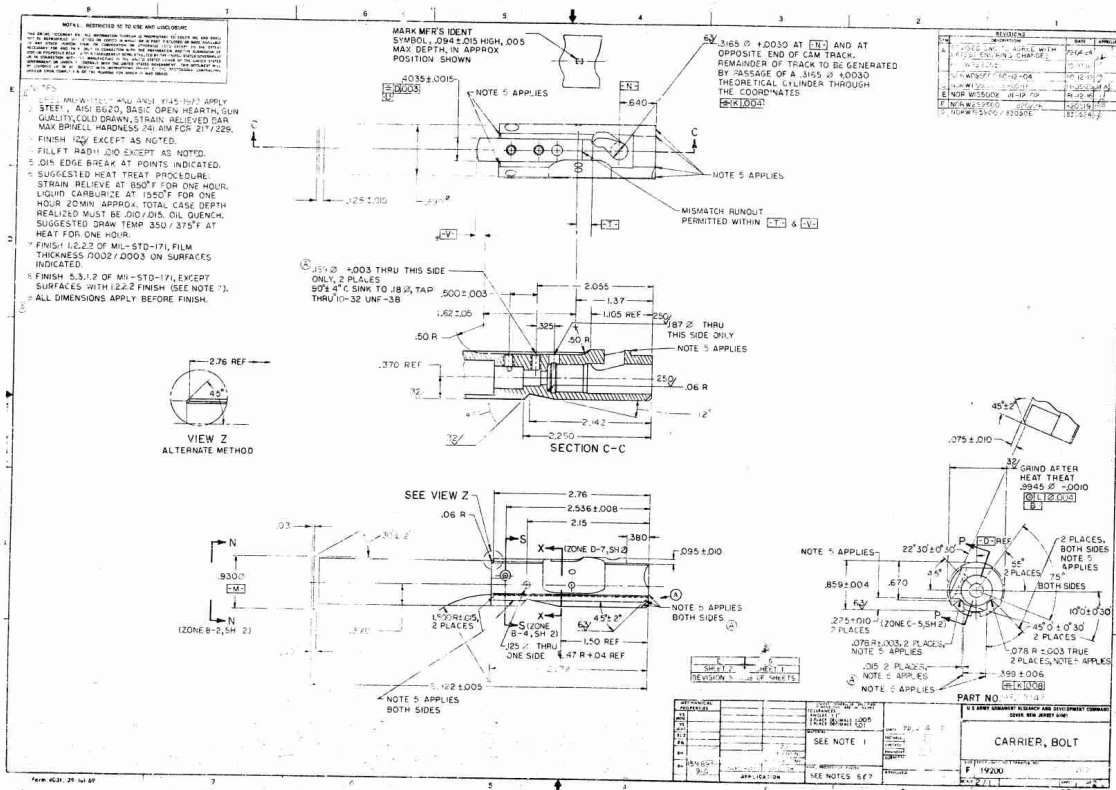
NOTES:-  
 1-SPEC MIL-W-13855 AND ANSI Y14.5-1973 APPLY.  
 2-MATERIAL: SCREW, CAP HEX SOCKET HEAD-89349327 TO BE ALTERED AS INDICATED. (A)

ALTERED ITEM DRAWING  
 PART NO. 9327042

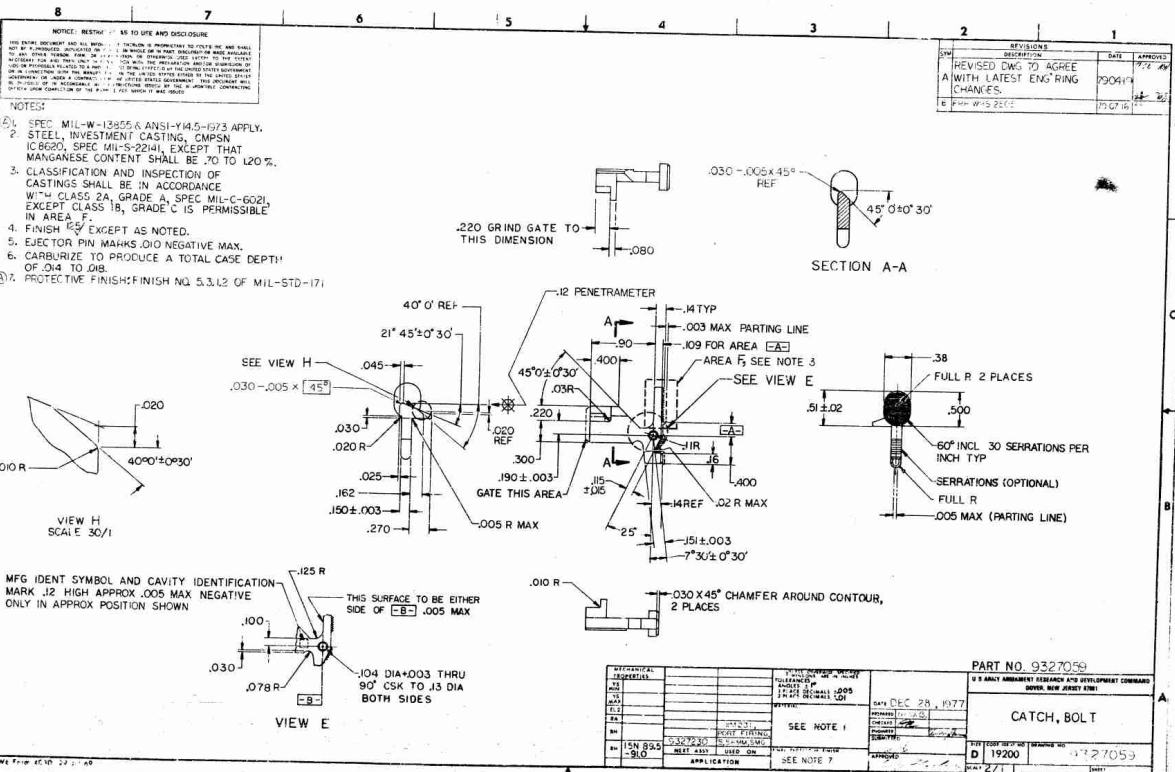
MECHANICAL PROPERTIES		DO NOT SCALE DRAWING		ORIGINAL DATE OF DRAWING		U S ARMY AMMUNITION RESEARCH AND DEVELOPMENT COMMAND	
UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES		OCT 24, 1977		DOVER, NEW JERSEY 07801	
YP		TOLERANCES ON DECIMALS =		DRAFTSMAN	CHECKER	SCREW, BOLT	
TS		FRACTIONS =	ANGLES =	ENGR	ENGR	CARRIER KEY	
RA						SIZE	
BH						CODE IDENT NO.	
IN						B 19200 9327042	
APPLICATION						SCALE 4/1 UNIT WT. SHEET	

DATA FORM 1059 OCT 77 EDITION OF DTIC MAY BE USED









4

3

2

1

NOTICE: RESTRICTED AS TO USE AND DISCLOSURE

F NORW252504 / 82-09-15 82-11-01

REVISIONS

DESCRIPTION	DATE	APPROVED
A 2 SPRING PINS ADDED WITH DIM AND CALLOUTS	9-20-78	
B REVISED DWG TO AGREE WITH LATEST ENGRING CHANGES	79-04-18	
C ERR WSS 2502	79-07-16	
D NOR WISS000 81-05-11	21-05-29	
E NOR WISS002 81-12-02	81-12-16	

COUNTERBORES

.0621003 Ø

2 HOLES THRU

.128 ± .015

.1765 REF

.128 ± .015

2-SCREW, BOLT CARRIER KEY — 9327042

TIGHTENING TORQUE 60 LB IN. ± 5 LB IN.

APPLY PERMATEX NO. 3D AVIATION FORM-A-GASKET (LIQUID) AROUND GAS HOLE ONLY ON BOLT CARRIER PRIOR TO ASSEMBLY.

2-MS16562-98 SPRING PIN

FOR U.S. GOVERNMENT USE ONLY

KEY, BOLT CARRIER — 9327041

CARRIER, BOLT — 9327047

SEE SEPARATE PARTS LIST 9327071

PART NO. 9327071

NOTE:

1 — SPEC MIL-W-13855 AND Y14.5-1973 APPLY.

2 — APPLY FINISH NO. 30.7 MIL-STD-471 TO ALL EXTERNAL RUBBING SURFACES OF THE BOLT CARRIER AND THE BOLT CARRIER KEY IN THEIR ASSEMBLED CONFIGURATION

MECHANICAL PROPERTIES		TOLERANCES		MATERIAL		DATE DEC 9, 1977	
YS		UNLESS OTHERWISE SPECIFIED	ANGLES 5			PREPARED	
MIN			3 PLACE DECIMALS .005			CHECKED	
MAX			2 PLACE DECIMALS .01			ENGINEER	
ELZ						SUBMITTED	
AA						APPROVED	
BN		M231					
EN		PORT FIRING					
		5.56MM SMG					
		NEXT ASSY					
		USED ON					
		FINAL PROTECTIVE FINISH					
		APPLICATION					

U S ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND

DDVFA, NEW JERSEY 07081

KEY AND BOLT CARRIER ASSEMBLY

SIZE C 19200

DRAWING NO 9327071

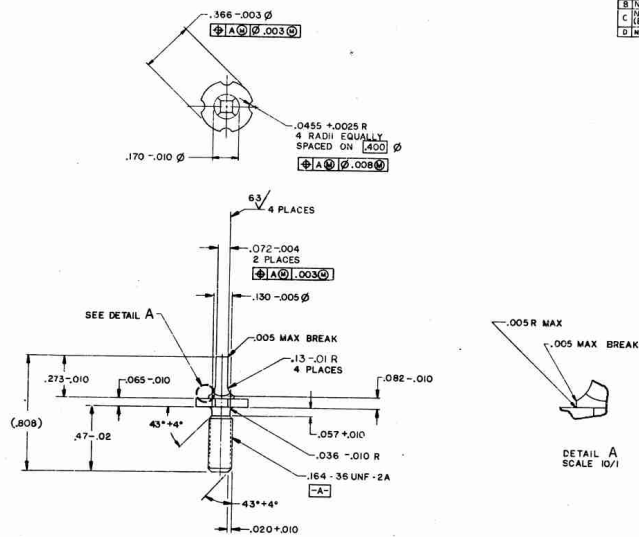
SCALE 2/1

SHEET 1 OF 1

AMSWE Form 403C, 29 Jul 69

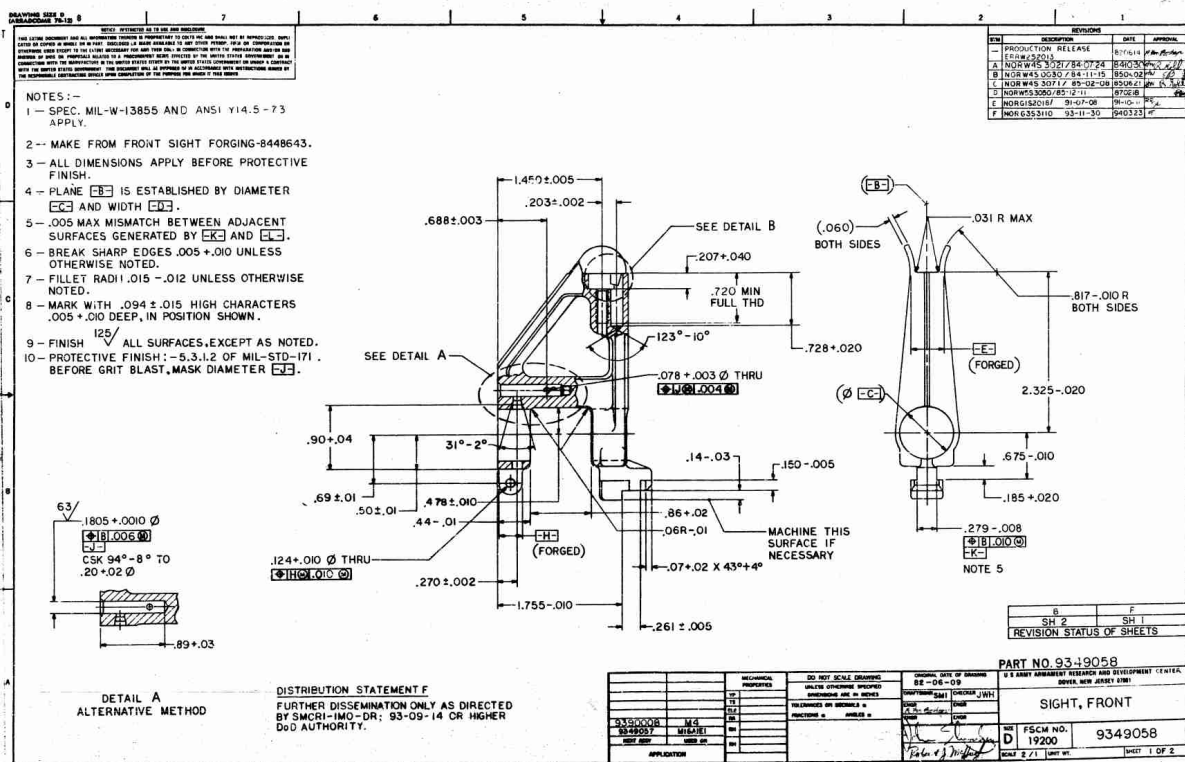
THIS DRAWING IS TO BE USED FOR THE DESIGN OF THE PARTS OF THE MACHINE. IT IS THE RESPONSIBILITY OF THE DESIGNER TO SEE THAT THE PARTS ARE DESIGNED TO MEET THE REQUIREMENTS OF THE MACHINE. THE DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE PARTS AND FOR THE SELECTION OF THE MATERIALS. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE FINISHES AND FOR THE SELECTION OF THE TOLERANCES. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE DIMENSIONS AND FOR THE SELECTION OF THE ANGLES. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE ROUNDS AND FOR THE SELECTION OF THE CHAMFERS. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE HOLE LOCATIONS AND FOR THE SELECTION OF THE HOLE DIAMETERS. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE THREADS AND FOR THE SELECTION OF THE THREAD DIRECTIONS. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE SURFACE TREATMENTS AND FOR THE SELECTION OF THE COATINGS. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE PAINTS AND FOR THE SELECTION OF THE COLORS. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE MARKINGS AND FOR THE SELECTION OF THE FONT SIZES. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE DIMENSION LINES AND FOR THE SELECTION OF THE DIMENSION VALUES. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE TITLES AND FOR THE SELECTION OF THE SUBTITLES. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE NOTES AND FOR THE SELECTION OF THE NOTE NUMBERS. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE CALLOUTS AND FOR THE SELECTION OF THE CALLOUT NUMBERS. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE DIMENSION LINES AND FOR THE SELECTION OF THE DIMENSION VALUES. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE TITLES AND FOR THE SELECTION OF THE SUBTITLES. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE NOTES AND FOR THE SELECTION OF THE NOTE NUMBERS. THE DESIGNER IS RESPONSIBLE FOR THE SELECTION OF THE CALLOUTS AND FOR THE SELECTION OF THE CALLOUT NUMBERS.

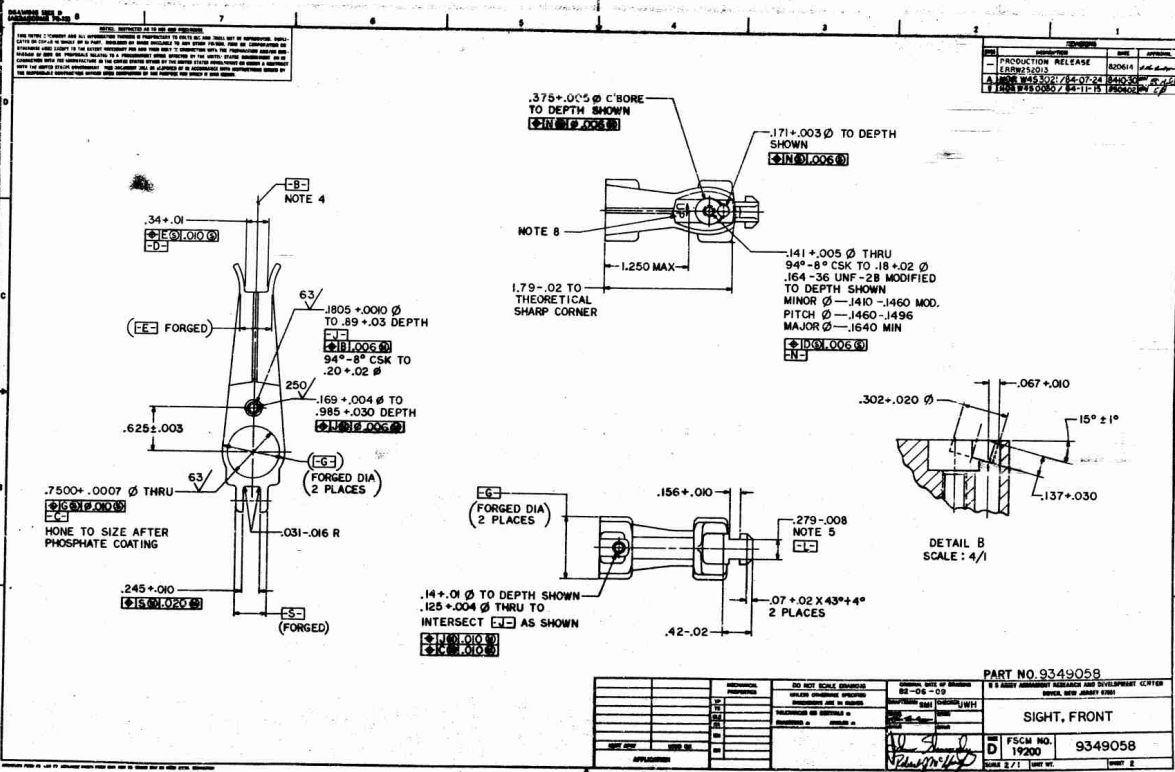
- NOTES:-
- 1-SPEC MIL-W-13855 AND ANSI Y14.5-73 APPLY.
  - 2-MATERIAL-STEEL, COLD DRAWN BAR CHURN 117 THRU 1144, SPEC ASTM-A108.
  - 3-ALL DIMENSIONS ARE BEFORE PROTECTIVE FINISH.
  - 4-BREAK SHARP EDGES .005+.010 EXCEPT AS NOTED.
  - 5-FILLET RADII .015-.012
  - 6-FINISH 125/ ALL OVER
  - 7-PROTECTIVE FINISH--S.3.1.2 OF MIL-STD-171.



REV	DESCRIPTION	DATE	APPROVAL
1	PRODUCTION RELEASE	8/20/64	J. L. W. H.
2	PRODUCTION RELEASE	8/20/64	J. L. W. H.
3	PRODUCTION RELEASE	8/20/64	J. L. W. H.
4	PRODUCTION RELEASE	8/20/64	J. L. W. H.

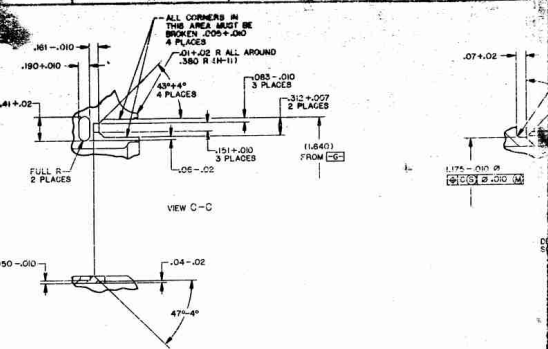
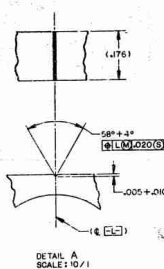
PART NO. 9349056		V. L. LARRY MANAGEMENT RESEARCH AND DEVELOPMENT CENTER BOULEVARD NEW JERSEY 07001	
POST, FRONT SIGHT		FSCM NO. 19200	
APPLICATOR		DATE 6/1/64	





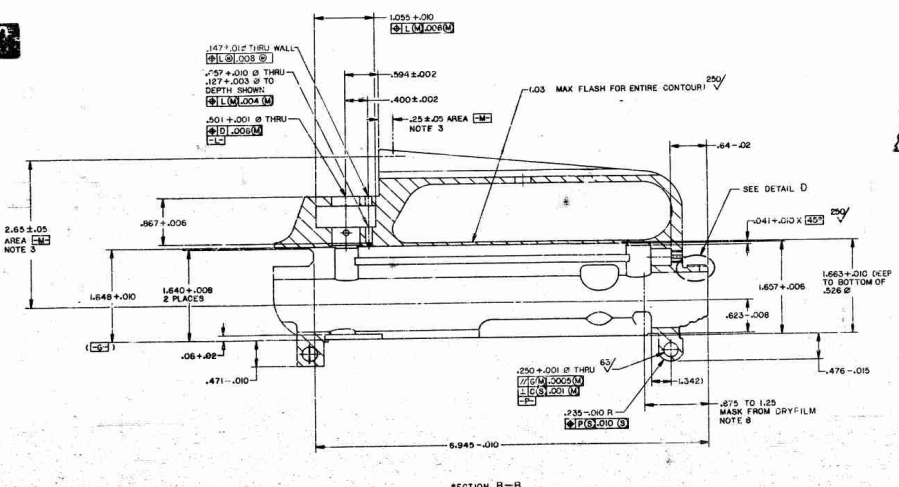
# NOTES:-

- 1 - SPEC MIL-W-13555 AND ANSI Y14.5-73 APPLY.
- 2 - MATERIAL-MAKE FROM FORGING, UPPER RECEIVER-5349064.
- 3 - CENTER LINE (10-8) AND (10-5) ARE ESTABLISHED WHEN LOCATING ON (10-8) AND SLOT (10-5) AT AREA (10-10).
- 4 - WITNESS MARK (H-9) TO DETERMINE STARTING POINT FOR MACHINING.
- 5 - ALL DIMENSIONS APPLY BEFORE PROTECTIVE FINISH UNLESS OTHERWISE NOTED.
- 6 - BREAK SHARP EDGES .005+.000 UNLESS OTHERWISE NOTED.
- 7 - FILLET RADI .015-.019 UNLESS OTHERWISE NOTED.
- 8 - EVERLUBE 628 OR 628S CURED AT 275°F ± 25°F FOR 1 HOUR OR MIL-L-14600 CURED 300°F TO 325°F FOR 2 HOURS, TO BE APPLIED AFTER PROTECTIVE FINISH TO INTERIOR EXCEPT FOR .075 TO 1.25 LENGTH (H-10). FILM THICKNESS .0002+.0001.
- 9 - FINISH V ALL MACHINED SURFACES, EXCEPT AS NOTED.
- 10 - PROTECTIVE FINISH-MIL-A-8625, TYPE III CLASS 2, FILM THICKNESS .0010±.0005, FINISH SHALL BE LUSTERLESS (FLAT), APPROX BLACK, NO. 3700, TABLE 1, BUT NOT LIGHTER THAN GRAY 300% TABLE 1 OF FED-STD-595 AND SHALL BE BLAST FROST TO FINISH TO PROVIDE NON REFLECTIVE MATTE SURFACE AFTER FINISH.



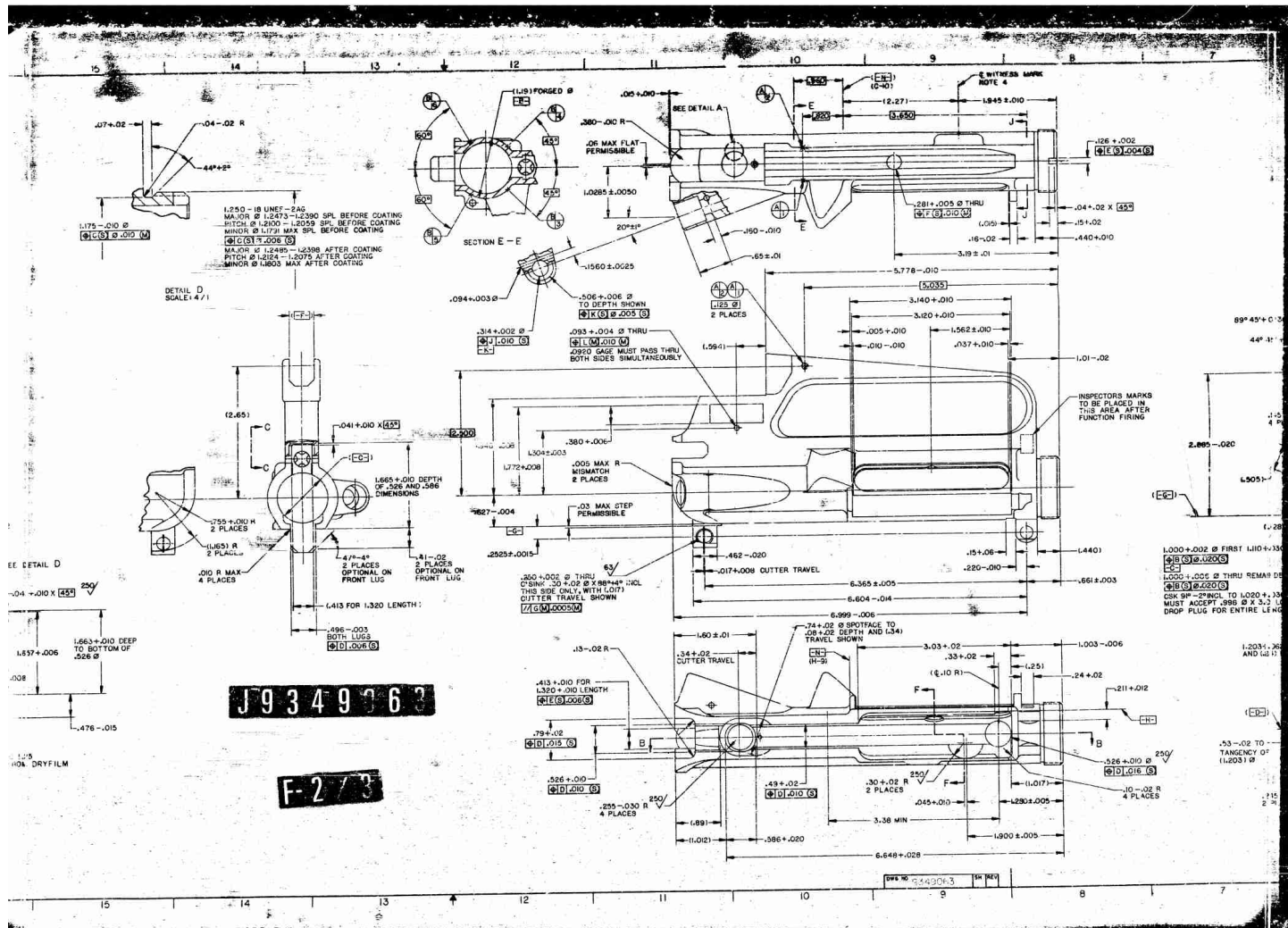
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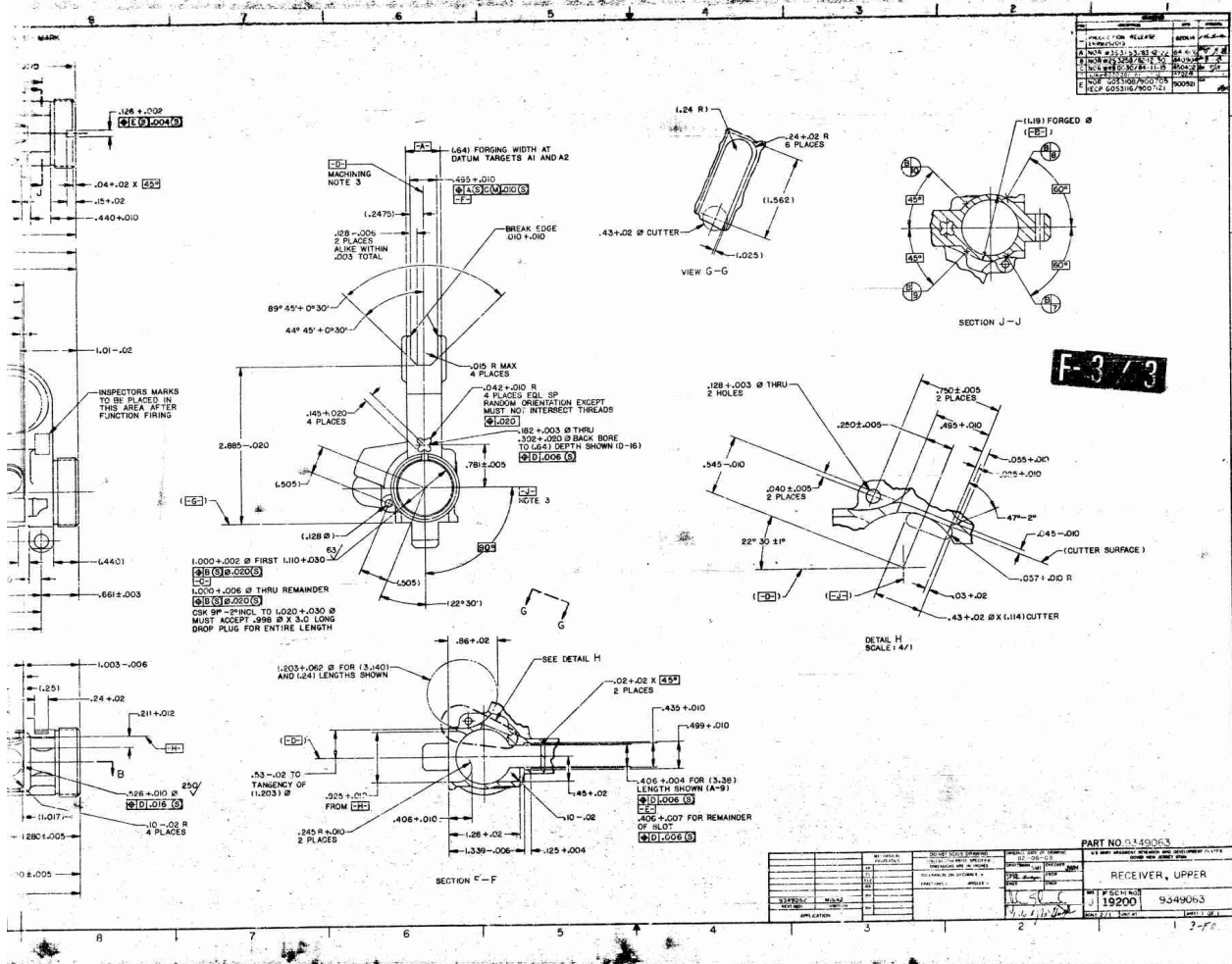
F-13



9349063

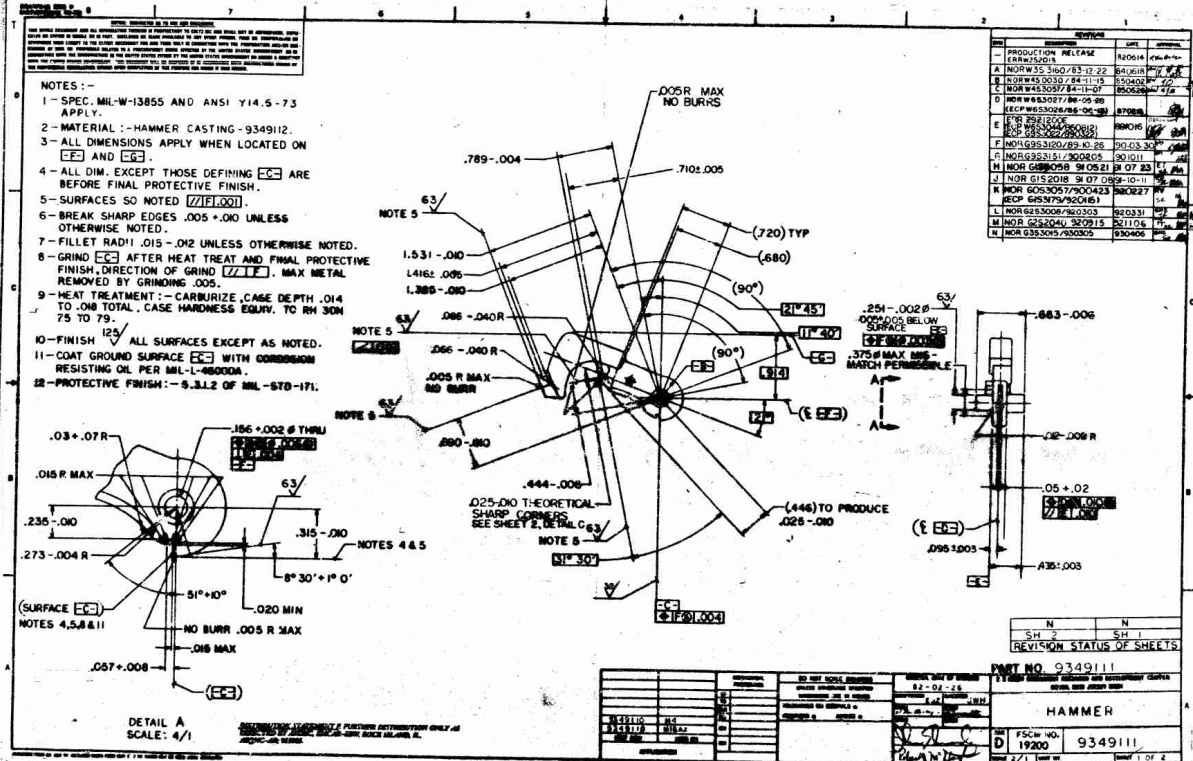












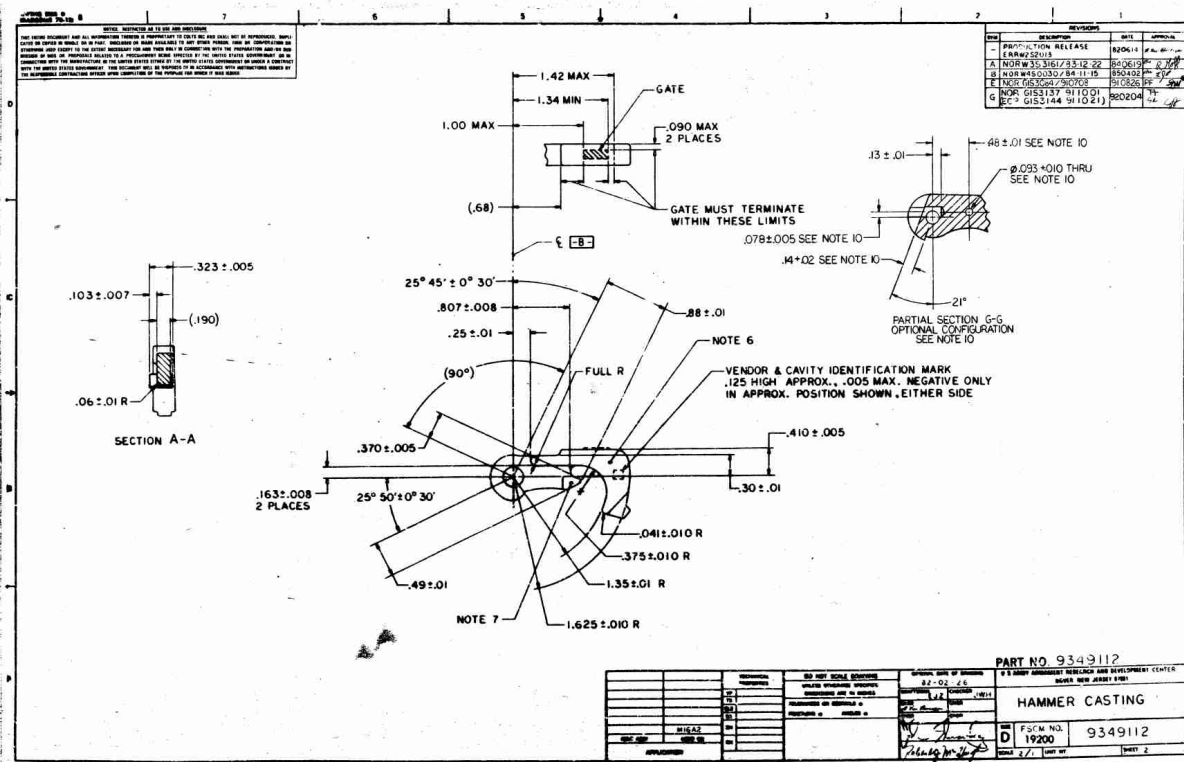
- NOTES:-
- 1-SPEC. MIL-W-13855 AND ANSI Y14.5-73 APPLY.
  - 2-MATERIAL:-HAMMER CASTING-9349112.
  - 3-ALL DIMENSIONS APPLY WHEN LOCATED ON [ ] AND [ ].
  - 4-ALL DIM. EXCEPT THOSE DEFINING [ ] ARE BEFORE FINAL PROTECTIVE FINISH.
  - 5-SURFACES SO NOTED [ ] ARE BEFORE FINAL PROTECTIVE FINISH.
  - 6-BREAK SHARP EDGES .005+.000 UNLESS OTHERWISE NOTED.
  - 7-FILLET RADII .015-.002 UNLESS OTHERWISE NOTED.
  - 8-GRIND [ ] AFTER HEAT TREAT AND FINAL PROTECTIVE FINISH. DIRECTION OF GRIND [ ]. MAX METAL REMOVED BY GRINDING .005.
  - 9-HEAT TREATMENT:-CARBURIZE, CASE DEPTH .014 TO .018 TOTAL, CASE HARDNESS EQUIV. TO RH 30H 75 TO 79.
  - 10-FINISH [ ] ALL SURFACES EXCEPT AS NOTED.
  - 11-COAT GROUND SURFACE [ ] WITH CORROSION RESISTING OIL PER MIL-L-48000A.
  - 12-PROTECTIVE FINISH:-S.3.1.2 OF MIL-STD-171.

REV	DESCRIPTION	DATE	BY	CHKD
1	PRODUCTION RELEASE	12/01/84	...	...
2	NOR W 55 340/83-12-22	...	...	...
3	NOR W 45 0030/84-11-15	...	...	...
4	NOR W 45 0030/84-11-17	...	...	...
5	NOR W 45 0030/84-11-17	...	...	...
6	NOR W 45 0030/84-11-17	...	...	...
7	NOR W 45 0030/84-11-17	...	...	...
8	NOR W 45 0030/84-11-17	...	...	...
9	NOR W 45 0030/84-11-17	...	...	...
10	NOR W 45 0030/84-11-17	...	...	...
11	NOR W 45 0030/84-11-17	...	...	...
12	NOR W 45 0030/84-11-17	...	...	...

PART NO. 9349111		REVISION STATUS OF SHEETS	
SH 2		SH 1	
HAMMER			
D 19200		9349111	
2/1		1 of 2	







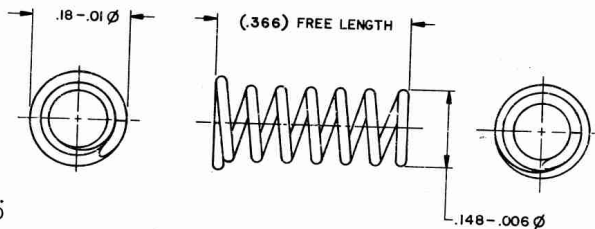


DRAWING SIZE C  
(ARRADCOM 78-12)

NOTE: DIRECTORAL A-12 USE FOR INSPECTION  
THIS DRAWING IS THE PROPERTY OF THE ARMY AND IS LOANED TO YOU FOR INFORMATION ONLY. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ARMY. IT IS TO BE RETURNED TO THE ARMY WHEN NO LONGER NEEDED. IT IS TO BE KEPT IN A SAFE PLACE AND NOT TO BE EXPOSED TO THE ELEMENTS OF NATURE. IT IS TO BE KEPT IN A SAFE PLACE AND NOT TO BE EXPOSED TO THE ELEMENTS OF NATURE. IT IS TO BE KEPT IN A SAFE PLACE AND NOT TO BE EXPOSED TO THE ELEMENTS OF NATURE.

NOTES:-

- 1-SPEC MIL-W-13855 AND ANSI Y14.5-73 APPLY,
- 2-MATERIAL:  
WIRE, STAINLESS STEEL, TYPE 316 (17-7PH),  
COLD DRAWN, ASTM-A313.
- 3-WIRE DIAMETER:- .0200  $\pm$  .0005.
- 4-DIRECTION OF HELIX:- OPTIONAL.
- 5-TOTAL NO. OF COILS:- (7.5)
- 6-LOAD AT COMPRESSED LENGTH OF  
.263:- 2.1 LBS  $\pm$  .21 LBS.
- 7-MAX. SOLID HEIGHT:- .154.
- 8-BREAK SHARP EDGES .003  $\pm$  .012.
- 9-FINISH  $\sqrt{125}$  ALL SURFACES.
- 10-MANUFACTURE IN ACCORDANCE WITH  
TYPE I, GRADE B, MIL-S-13572,  
EXCEPT PARAGRAPH 4.4.4.1 SHALL  
NOT APPLY.
- 11-PRECIPITATION HEAT TREAT AFTER  
FORMING. HOLD AT 900°F  $\pm$  10°F FOR  
ONE HOUR, AIR COOL.
- 12-HARDNESS EQUIV TO ROCKWELL C 48 MIN.
- 13-TYPE OF ENDS:- ONE CLOSED AND GROUND,  
ONE CLOSED, FLARED AND  
GROUND.
- 14-PROTECTIVE FINISH:- 5.4.1 OF MIL-STD-171.
- 15-SPRING REQUIREMENTS APPLY AFTER  
COMPRESSING TO SOLID LENGTH.



REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
1	PRODUCTION RELEASE ERRW252013	820614	
A	NOR W250011/82-04-13 KECP W35 3120/83-07-07	83-11-04	
B	NOR W253258/82-12-30	840904	
C	NOR W450030/84-11-15	850402	
D	NOR W55 2030/85-05-25	850731	

9349115		M16A2		USED ON		APPLICATION	
MECHANICAL PROPERTIES		DO NOT SCALE DRAWING		ORIGINAL DATE OF DRAWING		PART NO. 9349116	
YF		UNLESS OTHERWISE SPECIFIED		82-02-26		U S ARMY ANNAMMENT RESEARCH AND DEVELOPMENT CENTER	
TS		DIMENSIONS ARE IN INCHES		DRAFTSMAN M M		DOVER, NEW JERSEY 07801	
ELI		TOLERANCES ON DECIMALS		CHECKER DEW		SPRING, DISCONNECT	
SA		FRACTIONS * ANGLES *		ENGR		SIZE	
BH				ENGR		FSCM NO.	
RH				ENGR		19200	
				ENGR		9349116	
				ENGR		SCALE 10/1 UNIT WT.	
				ENGR		SHEET 1 OF 1	

ARADCOM FORM 87 AUG 77 REPLACES ARADCOM FORM 1040 OCT 75 WHICH MAY BE USED UNTIL EXHAUSTED