INCH-POUND

MIL-C-44048F

27 June 1991

SUPERSEDING

MIL-C-44048E

29 August 1990

## MILITARY SPECIFICATION

## COATS, CAMOUFLAGE PATTERN, COMBAT

This specification is approved for use by all Departments and Agencies of the Department of Defense.

## SCOPE

- 1.1 <u>Scope</u>. This specification covers camouflage pattern, single breasted combat coats.
- \* 1.2 <u>Classification</u>. The coat shall be of the following types and sizes as specified (see 6.2).

Type I - Woodland camouflage pattern cotton/nylon twill cloth

Type II - Deleted (see 6.9)

Type III - Woodland camouflage pattern, ripstop cotton cloth

Type IV - Desert camouflage pattern (3 color), cotton/nylon twill

cloth

Type V - Desert camouflage pattern (3 color), cotton poplin cloth

## Schedule of Sizes

X-Small	<u>Small</u>	Medium	<u>Large</u>	<u>X-Large</u>
X-Short Short Regular	XX—Short X—Short Short Regular	XX-Short X-Short Short Regular	X-Short Short Regular	Regular

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be used in improving this document should be addressed to: U.S. Army Natick Research, Development, and Engineering Center, Natick, MA 01760-5019 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8415

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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## 2. APPLICABLE DOCUMENTS

## 2.1 Government documents.

2.1.1 <u>Specifications</u>, <u>standards</u>, <u>and handbooks</u>. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

## SPECIFICATIONS

**X-X-50003** 

#### FEDERAL

A-A-50083	_	Bag, Plastic Folded Garment
A-A-50198	, <b>–</b>	Thread, Gimp, Cotton, Buttonhole
A-A-50199	_	Thread, Polyester Core, Cotton-, or
<b>U</b> 30 <b>UU</b> - <b>U</b>	,	Polyester-Covered
V-B-871	_	Button, Sewing Hole, and Button, Staple, (Plastic)
V-T-276	· _	Thread, Cotton
V-T-285	· -	Thread, Polyester
DDD-L-20	_	Label: For Clothing, Equipage and Tentage
		(General Use)
PPP-B-636	.,	Boxes, Shipping, Fiberboard
•		
MILITARY		
MIL-L-35078		Loads, Unit: Preparation of Semiperishable
		Subsistence Items; Clothing, Personal Equipment
		and Equipage; General Specification For
MIL-C-43468		
	_	
MTD_C_42400	1 -	Cloth, Camouflage Pattern, Wind Resistant Poplin,
	! -	Cloth, Camouflage Pattern, Wind Resistant Poplin, Cotton
MIL-C-44031		Cloth, Camouflage Pattern, Wind Resistant Poplin, Cotton Cloth, Camouflage Pattern: Woodland, Cotton and
MIL-C-44031		Cloth, Camouflage Pattern, Wind Resistant Poplin, Cotton Cloth, Camouflage Pattern: Woodland, Cotton and Nylon
		Cloth, Camouflage Pattern, Wind Resistant Poplin, Cotton Cloth, Camouflage Pattern: Woodland, Cotton and Nylon Cloth, Twill, Camouflage Pattern, Cotton and Nylon
MIL-C-44031 MIL-C-44034		Cloth, Camouflage Pattern, Wind Resistant Poplin, Cotton Cloth, Camouflage Pattern: Woodland, Cotton and Nylon Cloth, Twill, Camouflage Pattern, Cotton and Nylon for Desert Uniform
MIL-C-44031		Cloth, Camouflage Pattern, Wind Resistant Poplin, Cotton Cloth, Camouflage Pattern: Woodland, Cotton and Nylon Cloth, Twill, Camouflage Pattern, Cotton and Nylon

## **STANDARDS**

## **FEDERAL**

FED-STD-595 - Colors Used in Government Procurement FED-STD-751 - Stitches, Seams, and Stitchings

#### **MILITARY**

MIL-SID-105 - Sampling Procedures and Tables for Inspection

by Attributes

MIL-STD-129 - Marking for Shipment and Storage

MIL-SID-147 - Palletized Unit Loads

MIL-SID-731 - Quality of Wood Members for Containers and Pallets

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

\* 2.2 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are those listed in the issue of the DODISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.2).

AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS (AATOC)

AATCC Photographic Comparative Rating of Single and Double Needle Seams (Method 88B, two photos)

(Application for copies should be addressed to the American Association of Textile Chemists and Colorists, Research Triangle Park, P.O. Box 12215, Durham, NC 27709.)

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

D 3951 - Standard Practice for Commercial Packaging

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103-1187.)

(Non-Government standards and other publications are normally available from the organizations that prepare or distribute the documents. These documents also may be available in or through libraries or other informational services.)

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

## 3. REQUIREMENTS

3.1 <u>First article</u>. When specified (see 6.2), a sample shall be subjected to first article inspection (see 6.3) in accordance with 4.3.

- 3.2 <u>Guide sample</u>. Samples, when furnished, are solely for guidance and information to the contractor (see 6.4). Variation from this specification may appear in the sample, in which case this specification shall govern.
- 3.3 <u>Material</u>. It is encouraged that recycled material be used when practical as long as it meets the requirements of this specification.
  - 3.3.1 Basic material.
- 3.3.1.1 For type I coat. The basic material shall be woodland camouflage pattern cotton/nylon twill cloth conforming to class 1 of MIL-C-44031.
- 3.3.1.2 <u>For type III coat</u>. The basic material shall be woodland camouflage pattern cotton ripstop poplin cloth conforming to type III of MIL-C-43468.
- \* 3.3.1.3 For type IV coat. The basic material shall be desert camouflage pattern (3 color) cotton/nylon twill cloth conforming to class 3 of MIL-C-44034.
- \* 3.3.1.4 For type V coat. The basic material shall be cotton poplin printed in a desert camouflage pattern (3 color) conforming to type V of MIL-C-43468.
- \* 3.3.2 Pencil pocket. The cloth for the pencil pocket shall be camouflage pattern basic material, ground shade cloth, or printed seconds cloth. Ground shade cloth shall be dyed in conformance with class 1 of MIL-C-44031 for type I coat, type III of MIL-C-43468 for type III coat, class 3 of MIL-C-44034 for type IV coat and type V of MIL-C-43468 for type V coat. Ground shade cloth shall meet the physical, mechanical, and dimensional requirements of the respective finished fabric. Printed seconds shall be cloth which has been rejected only for defects pertaining to color, infrared reflectance, or camouflage print patterns, cited in MIL-C-44031 for type I coat, MIL-C-44034 for type IV coat, and MIL-C-43468 for types III and V coats.
- \* 3.3.3 <u>Cloth, fusible, interlining collar and pocket flaps</u>. The material for interlining the collar and pocket flaps of the type I, III and V coats shall conform to bonding strength and type V, class 3, adhesive dot application, style B of MIL-C-44296.
- 3.3.3.1 Fusing press operating procedure and conditions. Fuse a single layer of fusible interlining to a single layer of basic material on a dry electrically heated fusing press which has the capacity of controlling and retaining pressure, dwell time, and temperature for a minimum of 8 hours. Pair or sandwich fusing which can create differential shrinkage, and uneven bonding shall not be permitted. A steam sourced fusing press shall not be allowed for any initial fusing operations. For optimum results, the fusible material manufacturers recommendations for fusing dwell time, pressure and temperature, based upon the fusing equipment used and basic material being

fused, shall be utilized. The temperature used in fusing shall not exceed 340°F and shall not cause an objectionable color change or staining of the basic fabric. Basic preproduction and production maintenance procedures, including a fusing press information chart, shall be required to ensure proper fusing press performance relative to temperature control, evenness in pressure head or roller contact, dwell time, cleanliness, and bonding strength. The fusing process shall be controlled to ensure that the fused plies of material show no sign of bubbling or delamination initially or after three launderings when tested as specified in 4.4.3.4. Results of the production maintenance procedures shall be recorded on figure 2.

## 3.3.4 Thread and gimp.

- \* 3.3.4.1 Thread. The thread shall be cotton- or polyester-covered polyester core type I or type II of A-A-50199, ticket Nos. 30, 2 or 3 ply; 50, 2 ply and 70, 2 ply, except that cotton thread conforming to V-T-276, ticket No. 70, 2 ply may be used to serge facings and fly. As an alternate, polyester thread conforming to type IV or V of V-T-285, size 40 may be substituted for sizes 50 and 70 of A-A-50199 and size 60 may be substituted for size 30 of A-A-50199. The thread shall be dyed Camouflage Green 483 approximating Color Chip 34094 of FED-STD-595 for type I and type III coats and Khaki P-1 C.A. 66019 for types IV and V coats.
- \* 3.3.4.2 Gimp. The cotton gimp for reinforcing buttonholes shall be Camouflage Green 483 approximating Color Chip 34094 of FED-STD-595 for type I and III coats and Khaki P-1, C.A. 66019 for types IV and V coats and shall conform to type I or II, size No. 8 of A-A-50198.
- 3.3.4.3 <u>Colorfastness</u>. The dyed thread and gimp shall show fastness to laundering equal to or better than the standard sample. When no standard sample is available, the dyed thread and gimp shall show "good" fastness to laundering.
- \* 3.3.5 <u>Labels</u>. Each coat shall have a class 2 size label and either a class 15 combination identification and instruction label or separate class 1 identification and class 3 instruction labels conforming to type VI of DDD-L-20. The label color for type I and III shall be Medium Green, Cable No. 70034, 70130 or 70131 and for types IV and V shall be Khaki, Cable No. 70188. The labels shall show fastness to laundering. The legend for the class 2 size label shall be as specified in 3.3.5.1. The instruction label or the combination label, as applicable, shall include the following information:

Type I - Coat, Woodland Camouflage Pattern; Combat

Type III - Coat, Hot Weather, Woodland Camouflage Pattern; Combat

Type IV - Coat, Desert Camouflage Pattern (3 color); Combat

Type V - Coat, Hot Weather, Desert Camouflage Pattern (3 color); Combat

- 1. Wear outside of trousers
- 2. Adjust closures to ventilate; avoid overheating of body.
- 3. <u>Machine washing</u>. Use Permanent Press Cycle. Wash in warm water with mild detergent.
- 4. <u>Hand washing</u>. Wash in warm water using mild detergent. DO NOT WRING OR TWIST. Rinse in clean warm water.
- 5. DO NOT USE CHLORINE BLEACH OR STARCH.
- 6. Dry at low heat (Do not exceed 130°F). After drying, tumble at room temperature for 10 minutes. Remove <u>immediately</u> from dryer. To drip dry, remove from water and place on rust-proof hanger.

## DO NOT REMOVE THIS LABEL

3.3.5.1 <u>Size label legend</u>. The legend shall be printed with not less than 10 point characters. The legend for each size of coat shall contain the following information as applicable.

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X-Small	- X-Sl	nort	-	
Height:	From	59	to	63
Chest:	Up to	33		
Stock No	ο.		.:	. '
NATO Si	ze 5060	)/74	184	

NATO Size 5060/7484	NATO
Small - XX-Short	Smal
Height: Up to 59	Heig
Chest: From 33 to 37	Ches
Stock No.	Stoc

	Regular From 67 to 71
Chest:	From 33 to 37
Stock No	o.
NATO Si	ze 7080/8494

NATO Size 4050/8494

Medium - XX-Short Height: Up to 59
Chest: From 37 to 41
Stock No. NATO Size 4050/9404

Medium - Regular
Height: From 67 to 71
Chest: From 37 to 41
Stock No.
NATO Size 7080/9404

<u>X-Small - Short</u>
Height: From 63 to
Chest: Up to 33
Stock No.
NATO Size 6070/7484

Small - X-Short		
Height: From 59 to 63		
Chest: From 33 to 37		
Stock No.		
NATO Size 5060/8494		

Small -	Long
Height:	From 71 to 7
Chest:	From 33 to 37
Stock No	o <b>.</b>
NATO Siz	ze 8090/8494

Medium -	- X-Short
Height:	From 59 to 63
Chest:	From 37 to 41
Stock No	o <b>.</b>
NATO Si:	ze 5060/9404

Medium -	Long
Height:	From 71 to 75
Chest:	From 37 to 41
Stock No	) <b>.</b> "
NATO Siz	e 8090/9404

## X-Small - Regular Height: From 67 to 71 Chest: Up to 33 Stock No. NATO Size 7080/7484

<u>Small -</u>	<u>Short</u>
Height:	From 63 to 67
Chest:	From 33 to 37
Stock No	o <b>.</b>
NATO Si	ze 6070/8494

# Small - X-Long Height: Above 75 Chest: From 33 to 37 Stock No. NATO Size 9000/8494

Medium - Short
Height: From 63 to 67
Chest: From 37 to 41
Stock No.
NATO Size 6070/9404

# Medium - X-Long Height: Above 75 Chest: From 37 to 41 Stock No. NATO Size 9000/9404

Large - Regular

Stock No.

Height: From 67 to 71

Chest: From 41 to 45

NATO Size 7080/0414

Large - X-Short Large - Short Height: From 59 to 63 Height: From 63 to 67 Chest: From 41 to 45 Chest: From 41 to 45 Stock No. Stock No. NATO Size 5060/0414 NATO Size 6070/0414 Large - Long Large - X-Long Height: Above 75 Height: From 71 to 75 Chest: From 41 to 45 Chest: From 41 to 45 Stock No. Stock No. NATO Size 9000/0414 NATO Size 8090/0414

X-Large - Regular X-Large - Long

Height: From 67 to 71 Height: From 71 to 75

Chest: Above 45 Chest: Above 45

Stock No. Stock No.

NATO Size 7080/1424 NATO Size 8090/1424

- \* 3.3.6 <u>Buttons</u>. The buttons shall be type II, class D, style 26, 30-line, conforming to V-B-871. The buttons shall have a dull finish and the color shall be shade Olive Green BP Cable 62016 for type I and type III coats and Tan AJ Cable 62028 for types IV and V coats.
- \* 3.4 <u>Design</u>. The coat is a single breasted coat style design with collar, four patch bellows-type pockets with flaps, a straight cut bottom, elbow patches (types I, III and V), waist tabs (types I, III and V), and sleeve tabs.
- 3.5 <u>Figure</u>. Figures 1, 2, and 3 are furnished for information only. If there are inconsistencies between this specification and the figures, this specification shall control.
- 3.6 <u>Patterns</u>. Standard patterns, which provide an allowance of 3/8 inch for single needle and 1/2 inch for shoulder, backarm, sleeve setting, and side and underarm seams, except as otherwise indicated, will be furnished by the Government to the contractor for cutting working patterns. Neither the Government patterns or the working patterns shall be altered in any way.
- \* 3.6.1 <u>List of pattern parts</u>. The component parts of the coat shall be cut from materials specified in accordance with pattern parts indicated in table I.

TABLE I. List of pattern parts

Basic material	Nomenclature	Cut parts
Cotton/nylon cloth	Front	2
or cotton ripstop cloth	Back	1
	Collar	2
	Collar (one piece) <u>1</u> /	1

## TABLE I. <u>List of pattern parts</u> (cont'd)

Basic material	Nomenclature	Cut parts
Cotton/nylon cloth or cotton ripstop cloth (cont'd)	Top sleeve Undersleeve Sleeve and waist tab 2/ Sleeve and waist tab (one piece) 2/ 3/ Breast pocket Breast pocket flap Breast pocket flap tab Breast pocket flap and tab (one piece) 4/ Pencil pocket Lower pocket Lower pocket Lower pocket flap Lower pocket flap tab Lower pocket flap and tab (one piece) 4/ Left front fly Top sleeve elbow patch (types I, III and V) Undersleeve elbow patch (types I, III and V) Elbow patch (one piece) (types I, III and V) 5/	2 2 8 4 2 2 2 2 7 1 2 2 2
Fusible interlining (types I, III and V coats only)	Collar 1/ Breast pocket flap Breast pocket flap and tab (one piece) 4 Lower pocket flap Lower pocket flap and tab (one piece) 4/	2

- 1/ When alternate one piece collar is used, disregard separate collar piece.
- 2/ Waist tabs are included only on types I, III and V coats.
- 3/ When alternate one piece sleeve and waist tab is used, disregard separate sleeve and waist tab pieces and deduct the seam allowance along the back edge.
- 4/ When alternate one piece breast pocket flap and tab and lower pocket flap and tab pattern pieces are used, disregard separate flap and tab pieces.
  NOTE: Tabs are not fused.
- 5/ When alternate one piece elbow patch is used, disregard top and undersleeve patches.

- 3.7 Stitches, seams, and stitchings. Stitch, seam, and stitching types specified in table II are those covered by FED-STD-751. Whenever two or more methods, seams, or stitching types are given for the same part of the operation, any one of them may be used. When stitch type 401 is used, the looper, that is, the underthread, shall be on the inside of the coat. Unless otherwise specified, double needle stitching shall be 3/16 to 1/4 inch gage with outer row of stitching 1/16 inch from edge on outside of coat. The guides and knives on the overedge machines shall be set to trim only the ravelled ends of the fabric. Seam allowances shall be maintained with seams sewn so that raw edges, runoffs, twists, pleats, puckers, or open seams will not result. All seams shall start and finish evenly. Seams required to be worked out having a depth between the fold of 1/8 inch or more shall be considered a defect.
- 3.7.1 Type 301 stitching. Ends of all stitching shall be backstitched or overstitched not less than 1/4 inch except where ends are turned under or caught in other seams or stitching. Ends of continuous lines of stitching shall be overlapped not less than 1/2 inch except on labels where a minimum of a three stitch overlap is required. Thread tensions shall be maintained so that there will be no loose stitching resulting in loose bobbin or top thread or excessively tight stitching resulting in puckering of the materials sewn. The lock shall be imbedded in the materials sewn.
- 3.7.1.1 Repairs of type 301 stitching. Repairs of type 301 stitching shall be as follows:
- a. When thread breaks or bobbin run-outs occur during stitching, the stitching shall be repaired by restarting the stitching a minimum of 1/2 inch back of the end of the stitching.  $\underline{1}/$
- b. Thread breaks or two or more consecutive skipped or runoff stitches noted during inspection of the item shall be repaired by overstitching. The stitching shall start a minimum of 1/2 inch in back of the defective area and continue over the defective area a minimum of 1/2 inch beyond the defective area onto the existing stitching. Loose or excessively tight stitching shall be repaired by removing the defective stitching without damaging the materials and restitching in the required manner. 1/
- 1/ When making the above repairs, the ends of the stitching are not required to be backstitched.
- 3.7.1.2 Types 401, 502, 503, and 504 stitching. Thread tension shall be maintained so that there will be no loose stitching. All repairs shall be in accordance with 3.7.1.1a and 3.7.1.1b. Repairs to stitch type 401 may be accomplished by use of stitch type 301 except when used for eyelets.
- 3.7.2 Stitches per inch. The minimum and maximum number of stitches per inch shall be as specified in table II.

## 3.7.3 Buttonholes.

- 3.7.3.1 Eyelet-end tapered bar. The buttonholes in the pocket flaps and tabs, sleeve and waist tabs, and left front fly shall be eyelet-end tapered bar type worked over gimp specified in 3.3.4.2 with not less than four tacking stitches at bar end catching gimp ends (not counting crossover stitch). The purling shall be on outside of sleeve and waist tabs between tab and flap plies and front facing and front plies. Left front lapel buttonhole purling shall be on outside of coat. The cut lengths shall be 3/4 to 7/8 inch, unless otherwise indicated in table II. The buttonholes shall be clean cut with the stitching securely caught in the fabric.
- 3.7.4 Eyelets. Eyelets for pockets shall be sewn with purling on the outside with a 3/16 to 1/4 inch diameter finished opening. The width or bight of stitching around the eyelet shall be no less than 1/16 inch. The eyelet stitching shall have at least four overlapping stitches.
- 3.7.5 <u>Bartacks</u>. Bartacks shall measure 3/8 to 5/8 inch long and be free from thread breaks and loose stitching.
- 3.8 <u>Manufacturing operations requirements</u>. The coat shall be manufactured in accordance with operation requirements specified in table II. The contractor is not required to follow the exact sequence of operations listed. Any basting or holding stitching required to facilitate manufacture is permissible, provided the thread is removed or does not show in the finished coat except elbow patches and pockets which may be prehemmed.
- 3.9 <u>Use of automated apparel equipment</u>. Automated apparel equipment may be used to perform any of the operations specified in table II, providing that the seam and stitch type are as specified and the finished component conforms to the required configuration. When a government furnished shaper pattern is forwarded, the component shall conform to that pattern.

			·				1		<del></del>
COVER		-							
THREAD BOBBIN/ LOOPER									
NEEDLE			-	·	···			· <u>-</u>	
STITCHES PER INCH								· .	
SEAM AND STITCHING TYPE	· <b>*</b>							_	
STITCH TYPE									
TABLE II. MANUFACTURING OPERATIONS REQUIREMENTS	Cut coat.	a. Cut coat in strict accordance with patterns furnished which show size, shape, directional lines, placement of pockets, and notches for the proper assembling of all parts.	b. Cut top collar with long dimension across the material. The undercollar may be cut on the warp or filling direction. When option to cut one-piece collar is used, the long dimension shall be across the material. For type III only, the collar and tabs may be cut in either the warp or filling direction.	c. Cut all parts of the coat out of one piece of material except the undercollar, pencil pocket, pocket flap tabs, and left front fly, which may be cut from ends.	d. Cut the fusible interlinings in the same direction as the parts to be fused.	Replacement of damaged parts.	Care shall be exercised during the spreading, cutting, and manufacturing operations to assure that material defects and damages as classified in 4.4.4.1 are excluded and replaced with nondefective material.	Marking or bundling.	a. Mark or bundle cut parts of the coat to insure a uniform size, uniformity of shades, and proper assembly throughout the coat.
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NATICK FORM 903 1 Dec 76 EDITION OF 1 OCT 76 WILL BE USED UNTIL EXHAUSTED.

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THREAD BOBBIN/	TOOPER							:	. ,		
	FIGURE									,	
STITCHES PER	ENCH TIME							·			-
SEAM AND STITCHING	TAFE			,							
STITCH	TIFE								. 1		
TABLE II. (cont'd) MANITEACHIDING OPENATIONS DESTIDEMENTS	MANUFACTURING OFFICENS RECUIRENTS	Marking and bundling. (cont'd)	b. Any method of marking may be used except:	<ol> <li>Metal fastening devices.</li> <li>Sew-on tickets.</li> <li>Adhesive type tickets which leave traces of adhesive on the material after removal of the tickets.</li> </ol>	c. The use of an ink pad numbering machine, rubber stamp or pencil will be acceptable provided the numbers do not show through the outside of the coat.	d. Identify test swatches (basic material and fusible interlining) that represent every 1000 coat units of production (see 4.4.3.4).	Fusing (types I, III and V coats only). (see 3.3.3.1)	a. Position collar interlining centered on the top collar with all the edges 1/8 inch from the top collar edges. Fuse the fusible to the top collar.	b. Position fusible centered on both breast and lower pocket flaps with all edges set back 1/8 inch from flap edges. Fuse the fusible to the flaps. (The tab is not fused.)	or	c. When using the alternate one piece flap and tab construction, position fusible with all edges set
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NO. PRINCE II. (cont.d)  *4. Figing (types I, III and V costs only). (see 3.3.3.1)  back 1/8 inch from flap side edges. Puse the fusible to the flags. (The tab is not fused.)  NUTE: Pused lots shall be allowed to cool to the flags. (The tab is not fused.)  NUTE: Pused lots shall be allowed to cool to the flaps. (The tab is not fused.)  Sew labels to coat on all four sides with stitching on the flaps. (The tab is not be through writing on label. Stitching shall not be through writing on label. Locate label as follows:  (1) Identification label. On inside of left fromt with the label stitching covered by lower pooker. (2) Size. On center back, 1/2 to 3/4 thich down from onlar joining seam. The label shall be toward the wearer in the finished coat and instruction. On inside of right front with the label stitching covered by lower pooker. (3) Instruction. On inside of right front with the label stitching covered by lower pooker. (4) Cambination identification and instruction.  6. Make left front fly.  a. Pool left front fly in half lengthwise, and seam 330 or 58e-2(a) 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 50 70 10-14 70 70 70 10-14 70 70 70 70 70 70 70 70 70 70 70 70 70		-	•		٠				
MO. FUSING (LYPES I, III and V coats only). (see 3.3.3.1)  **A. Fusing (LYPES I, III and V coats only). (see 3.3.3.1)  back 1/8 inch from flap side edges. Ruse the fusible to the flags. (The tab is not fused.)  NOTE: Pused lots shall be allowed to cool to the touch prior to bundle tying or testing.  Sew labels to coat on all four sides with stitching and shall not be through writing on label. Stitching shall not be through writing on label. Stitching shall not be through writing on label. Locate label as follows:  (1) Identification label. On inside of label, shill down from collar joining seem. The label shall be toward the weater to the flushed coat and content of it inch from the label stitching seem. The label shall be toward the weater tolers tolerary lower pocket.  (2) Size. On center back, 1/2 to 3/4 inch down from collar joining seem. The label shall be toward the weater tolerary lower pocket.  (3) Instruction. Collar joining seem. The label with the label stitching covered by lower pocket.  (4) Combinetion identification and instruction and inst	COVER					·		•••	
MO. FUSING (LYPES I, III and V coats only). (see 3.3.3.1)  **A. Fusing (LYPES I, III and V coats only). (see 3.3.3.1)  back 1/8 inch from flap side edges. Ruse the fusible to the flags. (The tab is not fused.)  NOTE: Pused lots shall be allowed to cool to the touch prior to bundle tying or testing.  Sew labels to coat on all four sides with stitching and shall not be through writing on label. Stitching shall not be through writing on label. Stitching shall not be through writing on label. Locate label as follows:  (1) Identification label. On inside of label, shill down from collar joining seem. The label shall be toward the weater to the flushed coat and content of it inch from the label stitching seem. The label shall be toward the weater tolers tolerary lower pocket.  (2) Size. On center back, 1/2 to 3/4 inch down from collar joining seem. The label shall be toward the weater tolerary lower pocket.  (3) Instruction. Collar joining seem. The label with the label stitching covered by lower pocket.  (4) Combinetion identification and instruction and inst	HREAD OBBIN/ OOPER			•		. 50	·		70
MANUFACTURING OPERATIONS REQUIREMENTS  *4. Fusing (types I, III and V coats only). (see 3.3.3.1)  back 1/8 inch from flap side edges. Fuse the fusible to the flags. (The tab is not fused.)  NATE: Pused lots shall be allowed to cool to the touch prior to bundle tying or testing.  Sea labels to coat on all four sides with stitching or more than 3/16 inch from edge of label. Stitching shall not be through writing on label. Locate label as follows:  (1) Identification label. On inside of left front with the label stitching covered by lower pocket.  (2) Size. On center back, 1/2 to 3/4 inch down from collar joining seam. The label securely in undercollar joining seam. The label shall be content back out and instruction (4) Combination identification and instruction label (5) Indeed (5) Indeed (5) Indeed (5) Indeed (6)			ı			. 20			50
*4. Fusing (types I, III and V coats only). (see 3.3.3.1)  (cont'd)  back 1/8 inch from flap side edges. Fuse the fusible to the flaps. (The tab is not fused.)  NOTE: Rused lots shall be allowed to cool to the touch prior to bundle tying or testing.  5. Iabeling.  Sew labels to coat on all four sides with stitching nor more than 3/16 inch. from edge of label. Stitching nor each as follows:  (1) Identification label. On inside of left front with the label stitching sewered by lower pocket.  (2) Size. On commer back, 1/2 to 3/4 inch down from collar joining seam or top edge may be caught securely in undercollar joining seam. The label shall be toward the wearer in the fluished coat and centered, (1 inch off the center tolerance).  (3) Instruction. On inside of right front with the label stitching covered by lower pocket.  (4) Combination label securitied in (3) above.  (5) Make left front fly.  a. Fold left front fly in half lengthwise, and seam 401  a. Fold left front fly in half lengthwise, and seam 401			-			10–14			
*4. Fusing (types 1, III and V coats only). (see 3.3.3.1)  *2. Fusing (types 1, III and V coats only). (see 3.3.3.1)  *3. Fusing (types 1, III and V coats only). (see 3.3.3.1)  *4. Cont'd)  *4. Ensing (types 1, III and V coats only). (see 3.3.3.1)  *5. Labeling.  *6. Labeling.  *6. Labeling.  *6. Labeling.  *7. Labeling.  *6. Labeling.  *7. Labeling.  *6. Labeling.  *7. Labeling.  *7. Labeling.  *7. Labeling.  *7. Labeling.  *7. Labeling.  *7. Labeling.  *8. Make left front fly.  *8. Rabelieft front fly.  *8. Rabelieft front fly.  *8. Roll left front fly in half lengthwise, and seam and top and bottom edges.	SEAM AND STITCHING TYPE					LSbj-1			SSe-2(a)
*4. Fusing (types I, III and V coats only). (see (cont'd)  back 1/8 inch from flap side edges. Fuse th to the flaps. (The tab is not fused.)  NOTE: Fused lots shall be allowed to cool to touch prior to bundle tying or testin touch prior to bundle tying or testin sew labels to coat on all four sides with not more than 3/16 inch from edge of label. Ing shall not be through writing on label. label as follows:  (1) Identification label. On inside of with the label stitching covered by lower posture to context back, 1/2 to 3/4 in from collar joining seam or top edge may be securely in undercollar joining seam. The shall be toward the wearer in the finished centered, (± 1 inch off the center tolerance) (3) Instruction, On inside of right frow with the label stitching covered by lower postute the label (see 3.3.5). Attach as specified in 6. Wake left front fly in half lengthwise, top and bottom edges.						301			301 or 401
0.   *   4	TABLE II. (cont'd) MANUFACTURING OPERATIONS REQUIREMENTS		~	Fused lots shall be allowed touch prior to bundle tying		s with label. abel.	(1) <u>Identification label</u> . On inside of left front with the label stitching covered by lower pocket.  (2) <u>Size</u> . On center back, 1/2 to 3/4 inch down from collar joining seam or top edge may be caught securely in undercollar joining seam. The label shall be toward the wearer in the finished coat and centered, (± 1 inch off the center tolerance).  (3) <u>Instruction</u> . On inside of right front with the label stitching covered by lower pocket.  (4) <u>Combination identification and instruction label</u> (see 3.3.5). Attach as specified in (3) above.		Fold left front fly in half lengthwise, and bottom edges.
	<u>8</u>	4.						<u> </u>	

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	50		50	30			50	
	10-14		10–14	52—56 per buttonhole			10-14 10-14	
	SSe-2(b) and OSf-1		SSc-1 and OSf-1				SSe-2 OSf-1	
	301		301	Button- hole			301 and 301	
Make left front fly. (cont'd)	b. Turn, work out corners, and stitch top and bottom edges 3/16 to 1/4 inch from edge. Continue stitching along front folded edge maintaining gage of stitching.	or	c. Fold left front fly in half lengthwise, turn in raw edges at ends of fly and stitch top, front and bottom edges, 1/8 to 3/16 from turned edges.	d. Make four buttonholes in left front fly as indicated by marks on pattern, with the inside front edge of each eyelet 5/8 to 3/4 inch from front edge.	Make facings.	Finished appearance. The fronts shall be even in length with the facings neither tight, short, twisted nor too full. The lapel steps shall be even in length. Front edge of left front fly shall not be exposed on outside of coat.	a. Seam top edge of each lapel, slash seam allowance at collar notch, turn, work out corners, and single stitch beginning at collar notch 3/16 to 1/4 inch from edge; continue across step and down front edge to the bottom of coat 3/16 to 1/4 inch from front edge.	
9					7.			
	ļ	Make left front fly. (cont'd)  b. Turn, work out corners, and stitch top and bottom edges 3/16 to 1/4 inch from edge. Continue stitching along front folded edge maintaining gage of stitching.	Make left front fly. (cont'd)  b. Turn, work out corners, and stitch top and bottom edges 3/16 to 1/4 inch from edge. Continue stitching along front folded edge maintaining gage of stitching.	Make left front fly. (cont'd)  b. Turn, work out corners, and stitch top and bot- tom edges 3/16 to 1/4 inch from edge. Continue stitching along front folded edge maintaining gage of stitching.  or  c. Fold left front fly in half lengthwise, turn in raw edges at ends of fly and stitch top, front and bottom edges, 1/8 to 3/16 from turned edges.	b. Turn, work out corners, and stitch top and bot- tom edges 3/16 to 1/4 inch from edge. Continue stitching along front folded edge maintaining gage of stitching.  or  c. Fold left front fly in half lengthwise, turn in raw edges at ends of fly and stitch top, front and bottom edges, 1/8 to 3/16 from turned edges.  d. Make four buttonholes in left front fly as indicated by marks on pattern, with the inside front hole edge of each eyelet 5/8 to 3/4 inch from front edge.	b. Turn, work out corners, and stitch top and bottom edges 3/16 to 1/4 inch from edge. Continue stitching along front folded edge maintaining gage of stitching.  or  c. Fold left front fly in half lengthwise, turn in raw edges at ends of fly and stitch top, front and bottom edges, 1/8 to 3/16 from turned edges.  d. Make four buttonholes in left front fly as indicated by marks on pattern, with the inside front edge.  Make facings.	Make left front fly. (cont'd)  b. Turn, work out corners, and stitch top and bottom edges 3/16 to 1/4 inch from edge. Continue stitching along front folded edge maintaining gage of stitching.  or  c. Fold left front fly in half lengthwise, turn in raw edges at ends of fly and stitch top, front and bottom edges, 1/8 to 3/16 from turned edges.  d. Make four buttonholes in left front fly as indicated by marks on pattern, with the inside front edge of each eyelet 5/8 to 3/4 inch from front edge.  Finished appearance. The fronts shall be even in length with the facings neither tight, short, twisted nor too full. The lapel steps shall be even in length. Front edge of left front fly shall not be exposed on outside of coat.	Wake left front fly. (cont'd)  b. Turn, work out corners, and stitch top and bottom edges 3/16 to 1/4 inch from edge. Continue stitching along front folded edge maintaining gage of stitching along front fly and stitch top, front and bottom edges.  c. Fold left front fly in half lengthwise, turn in raw edges at ends of fly and stitch top, front and bottom edges, 1/8 to 3/16 from turned edges.  d. Make four buttomholes in left front fly as indicated by marks on pattern, with the inside front edge of each eyelet 5/8 to 3/4 inch from front edge.  Finished appearance. The fronts shall be even in length with the facings neither tight, short, this length with the facings neither tight, short, this even in length. Front edge of left front fly shall not be exposed on outside of coat.  a. Seam top edge of each lapel, slash seam allowance at collar notch, turn, work out corners, and single stitch beginning at collar notch, turn, work out corners, and single stitch beginning at collar notch, turn, work out corners, and single stitch beginning at collar notch at collar notch from front edge.  continue across step and down front edge to the bottom of coat 3/16 to 1/4 inch from front edge.

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	COVER							*	<u>.</u>					
THREAD PORRIN/	LOOPER		20		70	20	50 or 70	,	20		70	70		
	NEEDLE		20		70	50	30 or 70		50		20	70		
STITCHES	-	·	10-14		6-10	10_14	52-56 per buttonhole	·	10-14		6-10	6-10		
SEAM AND	TYPE		EFb-1		EFd-1	ena EFa-1			EFb-1		SSa-1	end EFa-1		:
$\vdash$	TYPE		301		503 or	301	Button- hole		301		503	504	<del></del>	
TABLE II. (cont'd)	MANUFACTURING OPERATIONS REQUIREMENTS	Make facings. (cont'd)	b. Turn under back edge of right facing and single stitch through front, 1/16 to 1/8 inch from turned edge.	JO		stitch through front 1/8 to 1/4 inch from edge.	d. Mark the position and make buttonhole in left lapel parallel with the top edge, as indicated on pattern, with the inside edge of eyelet 5/8 to 3/4 inch from front edge of coat.	e. Superimpose left front fly on left facing, as indicated on pattern, with back edges of left fly and facing even.	f. Turn under back edge of left facing and stitch through front, 1/16 to 1/8 inch from turned edge.	JO	g. Overedge stitch fly and facing together. The	overedge stitching shall extend the entire length of the facing.	-	
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COVER	,	. :						**************************************	· ·
THREAD BOBBIN/ LOOPER		20	-	50		20.	20	20	
NEEDLE		50		50	٠.	30	20	20	·· ·
STITCHES PER INCH	·	10-14		10–14 28 per bartack		52-56 or buttonhole	10–14	10-14	
SEAM AND STITCHING TYPE		EFa-1		SSa-1			LSb-1	SSe-2(a)	
STITCH		301		301 or bartack		Button-hole	301	301	
TABLE II. (cont'd) MANUFACTURING OPERATIONS REQUIREMENTS	Make facings. (cont'd)	h. Single stitch left facing through front 1/8 to 1/4 inch from back edge of facing.	and	i. Tack or bartack left front fly to front of coat with three vertical tacks, 1/4 to 1/2 inch long, position at top and bottom edge of fly with the third tack centered between the two middle buttonholes ± 1/4 inch. The tacks or bartacks shall be	superimposed on the edge stitching of front of coat.  Make breast and lower pocket flaps.	a. Fold tab, back to back, on tab foldline. Make two vertical buttonholes in each tab, as indicated by pattern, with inside of eyelet 3/8 to 1/2 inch from bottom folded edge. The purling shall finish on the narrow width side of tab.	b. Align inner (narrow) edges of flap and tab. Stitch through one ply of flap and both plies of tab 1/4 to 3/8 inch from flap edge. The buttonhole purling shall face the flap.	c. Fold opposite raw edge of flap (fabric face to face) even with raw edge of tab enclosing tab within the fold, and stitch raw edges.	
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COVER							-	
THREAD BOBBIN/ LOOPER		20	70	20		20	50	20
NEEDLE	<u>.</u>	50	70	. 50		30	20	20
STITCHES PER INCH		10-14	6-10	10–14	. "	52—56 per buttonhole	10-14	10-14
SEAM AND STITCHING TYPE		SSe-2(b) and OSf-1	EFd-1	EFa-2			SSe-2(a)	SSe-2(b) and OSf-1
STITCH		301	503 or 504	301		Button- hole	301	301
TABLE II. (cont'd) MANUFACTURING OPERATIONS REQUIREMENTS	Make breast and lower pocket flaps. (cont'd)	d. Turn flap and tab right side out, force out corners and edges. Stitch side edges and bottom 3/16 inch from edges. Bottom edge of buttonhole tab shall not be caught in the bottom edge stitching.	e. Overedge stitch the top raw edges of each pocket flap.	f. Fold top edge of left breast pocket flap 1/4 to 5/16 inch and double stitch forming pencil pocket opening (see 13.d.).	or	g. Fold buttonhole tab portion of flap, as indicated Button-by marks on pattern (fabric back to back) and make two vertical buttonholes in each tab, as indicated by pattern, with inside edge of eyelet 3/8 to 1/2 inch from bottom folded edge.	h. Fold tab on tab fold line (fabric face to face). Fold opposite raw edge of flap (fabric face to face), even with raw edge of tab enclosing tab within the fold, and stitch side raw edges.	i. Turn flap and tab right side out, force out corners and edges. Stitch bottom and side edges 3/16 to 1/4 inch from edge. Turn flap and tab again (to finished position with the raw edges hidden) and work out the corners and edges. Bottom edge of buttonhole tab shall not be caught in the bottom edge stitching.
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MANUFACTURING OPERATIONS REQUIREMENTS  Reads breast and lower pocket flare. (cont'd)  i. Double stitch, 3/16 to 1/4 inch gage, the top foliale degree; turn, clip and work out pointed finish 1-3/4 ± 1/8 inches wide.  b. Crease all sides of one-piece tab. Pold tab in half lengthwise and double stitch tab together around finish 1-3/4 ± 1/8 inches wide.  c. Make a periodical degree of each tab with the inside of each tab with the inside of each tab with from edges. The tab shall sides of one-piece tab. Pold tab in and the shall sides of one-piece tab. Pold tab in a SSC-2 in 10-14 50 50 50 50 50 50 50 50 50 50 50 50 50	<u>                                     </u>	T		•	-		L-C-44040r	•				·
MANUFACTURING OPERATIONS REQUIREDARNS  MANUFACTURING OPERATIONS REQUIREDARNS  Make brossst and lower pocket flags. (cont'd)  j. Double stitch, 3/1s to 1/4 inch gage, the top folided edge of left breast pocket at pencil opening (see 13.f.).  Make sleeve and waist tabs.  a. Join plies of tab along top, bottom, and pointed edge of left broad topic transfer and edges and stitch 3/1s to 1/4 inch from edges. The tab shall lengthwise and double stitch tab topether around finish 1-3/4 ± 1/8 inches wide.  b. Crease all sides of one-piece tab. Fold tab in sides and points 1/4 to 1/8 inch from edges. The tab shall finish 1-3/4 ± 1/8 inches wide.  c. Make a horizottal buttonhole in the inside edges. The coff center tolerance) of each tab with the inside edge of eyelet end 5/8 to 3/4 inch from pointed end of tab.  Make collar.  where collar.  a. See 2(a) 10-14  50  10-14  10-14  50  10-14  50  10-14  50  10-14	COVER			٠			,			• •		
MANUFACTURING OFERNICORS REQUIREMENTS  MANUFACTURING OFERNICORS REQUIREMENTS  Make breast and lower pocket flags. (cont'd)  j. Double stitch, 3/16 to 1/4 inch gage, the top opening (see 13.f.).  Make sleeve and waist tabs.  a. Join plies of tab along top, bottom, and pointed edges and stitch 3/16 to 1/4 inch from edges. The tab shall finish 1-3/4 ± 1/8 inches wide.  b. Crease all sides of one-piece tab. Fold tab in 301 SSG-2(a) 10-14 half lengthwise and double stitch tab together around sides and points 1/16 to 1/8 inch from edges. The tab shall finish 1-3/4 ± 1/8 inches wide.  c. Make a horizontal buttonhole in center (1/8 inch side edges of eyelet end 5/8 to 3/4 inch from pointed end edges. The bole edge of eyelet end 5/8 to 3/4 inch from pointed end edges. Trim work out points and edges and single edge of eyelet end 5/8 to 3/4 inch from pointed end edges. Trim as Seem plies of collar around outside edges; trim and seem plies of collar around outside edges; trim and seem plies of collar around outside edges; trim and seem plies of collar around outside edges and single edges. The seem plies of collar around outside edges and single edges and single stitch 3/16 to 1/4 inch from edge.  a. Seem plies of collar around outside edges; trim and seem plies of collar around outside edges and single seed to 1/4 inch from edge.  a. Seem plies of collar around outside edges and single and single seed to 1/4 inch from edge.	THREAD BOBBIN/ LOOPER	,	20		50 70 50		.50	20		.50 70 50		
MANUFACTURING OPERATIONS REQUIREMENTS  Make breast and lower pocket flags. (cont'd)  j. Double stitch, 3/16 to 1/4 inch gage, the top folded edge of left breast pocket at pencil opening (see 13.f.).  Make sleeve and waist taks.  a. Join plies of tab along top, bottom, and pointed adge of left breast pocket at pencil opening (see 13.f.).  Make sleeve and waist taks.  a. Join plies of tab along top, bottom, and pointed adge of left breast pocket at pencil opening (see 13.f.).  Make sleeve and waist taks.  a. Join plies of tab along top, bottom, and pointed adges and souble stitch shalf finish 1-3/4 ± 1/8 inches wide.  b. Crease all sides of one-piece tab. Fold tab in 301 SSc-2(b) 10-14 half lengthwise and double stitch tab together around sides and points 1/16 to 1/8 inch from edges. The tab shall finish 1-3/4 ± 1/8 inches wide.  c. Make a horizontal buttonhole in center (1/8 inch of feeder tolerance) of each tab with the inside edge of eyelet end 5/8 to 3/4 inch from pointed end of tab.  Make collar.  a. Seem plies of collar around outside edges; trim of tab.  Make collar.  a. Seem plies of collar around outside edges and single stitch 3/16 to 1/4 inch from edge.  or  Or  Or  Or  Or  SSC-2(b) 10-14 inch from edge.  301 or SSC-2(c) 10-14 inch from edge.  301 or SSC-2(c) 10-14 inch from edge.	NEEDLE		20		50 50	-	50	30		50 50		
MANUFACTURING OPERATIONS REQUIREMENTS  Make breast and lower pocket flaps. (cont'd)  j. Double stitch, 3/16 to 1/4 inch gage, the top folded edge of left breast pocket at pencil opening (see 13.f.).  Make sleeve and waist tabs.  a. Join plies of tab along top, bottom, and pointed adges; turn, clip and work out points and edges and stitch 3/16 to 1/4 inch from edges. The tab shall finish 1-3/4 ± 1/8 inches wide.  b. Crease all sides of one-piece tab. Fold tab in and stitch 3/16 to 1/8 inch from edges. The tab shall finish 1-3/4 ± 1/8 inches wide.  c. Make a horizontal buttonhole in center (1/8 inch hole edge of eyelet end 5/8 to 3/4 inch from pointed end of tab.  a. Seam plies of collar around outside edges; trim diversements, turn, work out points and edges and single stitch 3/16 to 1/4 inch from edge.  or corners, turn, work out points and edges and single stitch 3/16 to 1/4 inch from edge.	STITCHES PER INCH		10-14		10-14		10-14	52-56 per buttonhole		i0-14 10-14	-	
MANUFACTURING OPERATIONS REQUIREMENTS  Make breast and lower pocket flags. (cont'd)  j. Double stitch, 3/16 to 1/4 inch gage, the top folded edge of left breast pocket at pencil opening (see 13.f.).  Make sleeve and waist tabs.  a. Join plies of tab along top, bottom, and pointed edges; turn, clip and work out points and edges and stitch 3/16 to 1/4 inch from edges. The tab shall finish 1-3/4 ± 1/8 inches wide.  b. Crease all sides of one-piece tab. Fold tab in half lengthwise and double stitch tab together around sides and points 1/16 to 1/8 inch from edges. The tab shall finish 1-3/4 ± 1/8 inches wide.  c. Make a horizontal buttonhole in center (1/8 inch off center tolerance) of each tab with the inside edge of eyelet end 5/8 to 3/4 inch from pointed end of tab.  Make collar.  a. Seam plies of collar around outside edges; trim corners, turn, work out points and edges and single stitch 3/16 to 1/4 inch from edge.  or	SEAM AND STITCHING TYPE		0Sf-2				SSc-2				,	
MANUFACTURING OPERATIONS REQUIREMENTS  Make breast and lower pocket flaps. (cont'd)  j. Double stitch, 3/16 to 1/4 inch gage, the t folded edge of left breast pocket at pencil opening (see 13.f.).  Make sleeve and waist tabs.  a. Join plies of tab along top, bottom, and poedges; turn, clip and work out points and edges stitch 3/16 to 1/4 inch from edges. The tab sh finish 1-3/4 ± 1/8 inches wide.  b. Crease all sides of one-piece tab. Fold ta half lengthwise and double stitch tab together sides and points 1/16 to 1/8 inch from edges. tab shall finish 1-3/4 ± 1/8 inches wide.  c. Make a horizontal buttonhole in center (1/8 off center tolerance) of each tab with the insience of eyelet end 5/8 to 3/4 inch from pointed of tab.  Make collar.  a. Seam plies of collar around outside edges; corners, turn, work out points and edges and sistitch 3/16 to 1/4 inch from edge.  Or	STITCH		301				301	Button- hole				
.01 10.	TABLE II. (cont'd) MANUFACTURING OPERATIONS REQUIREMENTS	Make breast and lower pocket flaps.	/16 to 1/4 inch gage, breast pocket at penci		ttom, ts and The	or	b. Crease all sides of one-piece tab. Fold tab in half lengthwise and double stitch tab together around sides and points 1/16 to 1/8 inch from edges. The tab shall finish 1-3/4 ± 1/8 inches wide.			a. Seam plies of collar around outside edges; trim corners, turn, work out points and edges and single stitch 3/16 to 1/4 inch from edge.	or	
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COVER				-						,	
THREAD BOBBIN/ LOOPER		50	. 20	· -			70	70	70	20 2	50.00
NEEDLE		200	20				20	70	70	20	20 20
STITCHES PER INCH		10-14 10-14	10–14				19-24 per	eyelet 26-32 per exelet	26-32 per eyelet	10-14	10-14 10-14 10-14
SEAM AND STITCHING TYPE		SSe-2(a) SSe-2(a)	SSe-2(b) and OSf-1							四的-1	LSq-2(a) LSq-2(a) LSq-2(b)
STITCH		301 or 401 and	T000				401 or			301	301 or 401 301
TABLE II. (cont'd) MANUFACTURING OPERATIONS REQUIREMENTS	Make collar. (cont'd)	ΨΨ	1/4 inch from side and top edges.	c. The collar shall finish $2-1/2 \pm 1/8$ inches wide at the neck opening (for types I, III and V coats only).	Make breast and lower pockets.	Finished appearance. The bellows portion of the pockets should finish even with the edge of the pocket. The bellows portion of each breast pocket shall face toward the side seam/arm hole of the coat and should not extend beyond the edge of the pocket.	a. Make one 3/16 to 1/4 inch sewn eyelet at bottom	eyelets at bottom bellows part of each lower pocket (type I and type III coats only). The eyelets shall	뷡	b. Hem top of each pocket, as indicated on pattern, and stitch 1/16 to 1/8 inch from edge.	c. Seam the two edges of the cut-out corners of the pockets; turn seam toward bottom of pocket and raise stitch 1/16 to 1/8 inch from joining seams.
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NAMERACHARING OFFERNITONS REQUIREDGENIS   STITCH   STITCHEN   PER   NEEDER   COOKER						M1L-C-440	7701				
STITCH   STITCH   STITCH   STITCH   STITCHES	COVER				•	1					
(cont'd)     SEAM AND STITCHES       ONS REQUIREMENTS     STITCH       (cont'd)     TYPE       orows of stitching     301 or SSa-2       ets and back side and indicated by pattern, rom folded edges.     301       e prehemmed prior to and bottom edges of and bottom edges.       A inch from raw edge.     301     EFa-1     10-14       A inch from raw edge.     10-14     10-14       i pattern, and stitch     10-14     10-14       an indicated by marks of pocket; position as indicated by an an an	THREAD BOBBIN/ LOOPER		•	50	20	20.		20	20	-	20
(cont'd) STITCH STITCHING Cont'd)  orows of stitching orows of stitching  orows of stitching  orows of stitching  orows of stitching  orows of stitching  orows of stitching  ges of bellows (both cts and back side and indicated by pattern, rom folded edges.  e prehemmed prior to and bottom edges of nd bottom edges of der 3/8 inch and edge.  der 3/8 inch and edge.  as indicated by marks /4 inch from raw edge. ges of pocket; position i pattern, and stitch n as indicated by n as indicated by outnow of breast lower pocket to urned-in edges.	NEEDLE			20 20	. 20	20		20	20		20
cont'd)  STITCH TYPE  (cont'd)  o rows of stitching  ges of bellows (both and indicated by pattern, rom folded edges.  e prehemmed prior to and bottom edges of edge.  as indicated by marks  4 inch from raw edge.  ges of pocket; position 301  as indicated by marks  4 inch from raw edge.  ges of pocket; position 301  trs 3/8 inch, if not and stitch as indicated by octom of breast lower pocket to urned-in edges.	STITICHES PER INCH			10-14	10-14	8-10		10-14	10-14		10-14
cont'd)  STITT  CONS REQUIREMENTS  (cont'd)  o rows of stitching  ges of bellows (both and indicated by pattern, row folded edges.  e prehemmed prior to and bottom edges of and bottom edges of and bottom edges of der 3/8 inch and edge.  as indicated by marks  4 inch from raw edge.  ges of pocket; position 301  ges of pocket; position 301  tra 3/8 inch, if not as indicated by cottom of breast 10 out of breast 10 outnod-in edges.	SEAM AND STITCHING TYPE			SSa-2	0§f-1	EFa-1		EFa-1	LSd-1		LSd-1
MANUFACTURING OPERATIONS REQUIREMENTS  reast and lower pockets. (cont'd)  or  itch the corners with two rows of stitching to 3/32 inch apart.  old inside and outside edges of bellows (both and bottom of lower pockets and back side and to fi breast pockets, as indicated by pattern, itch 1/16 to 3/32 inch from folded edges.  ww edges of pockets may be prehemmed prior to ment to coat. The back and bottom edges of pockets and the sides and bottom edges of pockets may be turned under 3/8 inch and and attach pencil pocket.  un in top edge of pocket as indicated by marks ttern and stitch 1/8 to 1/4 inch from raw edge.  un in side and bottom edges of pocket; position ft front, as indicated on pattern, and stitch to 1/8 inch from edges.  un in raw edges of pockets 3/8 inch, if not med (see 11.f.), position as indicated by med (see 11.f.), position as indicated by m, and stitch back and bottom of breast to, 1/8 inch from turned-in edges.	STITCH		•		301	301		301	301		301
d. d. lower and lower at ta at ta at ta at ta at ta at ta bread bread lower a. b. lower a.	TABLE II. (cont'd) MANUFACTURING OPERATIONS REQUIREMENTS	Make breast and lower pockets. (	JO	Stitch the corners with two 16 to 3/32 inch apart.	e. Fold inside and outside edges of bellows (both sides and bottom of lower pockets and back side and bottom of breast pockets), as indicated by pattern, and stitch 1/16 to 3/32 inch from folded edges.	Raw edges of pockets may be prehemmed pricachment to coat. The back and bottom edges ast pockets and the sides and bottom edges are pockets may be turned under 3/8 inch and sched 1/16 to 1/8 inch from edge.	Make and attach pencil pocket.	Turn in top edge of pocket pattern and stitch 1/8 to 1/	Turn in side and bottom edg left front, as indicated on 16 to 1/8 inch from edges.	Sew on pockets and flaps.	Turn in raw edges of pockets themmed (see 11.f.), position tern, and stitch back and bot skets and all three sides of ants 1/16 to 1/8 inch from turns.
NO. 111. 111. 123. 133.	₩.	i					12.			13.	

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MANUEL LIT. (cont.d)  Sea on pociets and flars. (cont.d)  Set con pociets and flars. (cont.d)  Set con pociets and flars. (cont.d)  Stitching shall superimpose preheming stitching when this option is selected. Do not catch bellows when this option is selected. Do not catch bellows when this option is selected. Do not catch bellows when this option is selected. Do not catch bellows when this option is selected. Do not catch bellows when this option is selected. Do not catch bellows when this option is selected. Do not catch bellows when the period of the pocket should finish even with the process. And not be exposed beyond the pocket, and not be exposed beyond the pocket should finish even with the pocket, and not be exposed beyond the stitching along bottom of pocket catching the content of the bellows for not less than 1/4 inch nor more than 3/4 inch.  or  c. Operations 13.a. and 13.b. may be performed as one operation on the breast pocket. When using the content of each pressit pocket should finish under the bellows to the pocket should finish under the bellows and the left has a than 1/4 inch apart. Leving the seam on the left flap shall, be don't not be set to the pocket should finish under the bellows to the pocket should finish under the bellows and the left flap shall. Bellow as fatterfully in operation of the stitching in the seam of the left flap shall. Bellow as of stitching in the seam on the left flap shall. Bellow to the pocket should finish under the pocket shall be bellow to the pocket should finish under the bellow to the pocket should finish under the pocket should finish under the pocket of flap, flap open 1-1/4 to 1-1/2 inches at center of flap, flap open 1-1/4 to 1-1/2 inches at center of flap, flap open 1-1/4 to 1-1/2 inches at center of flap.				-			_ <del></del>
THELE II. (cont.d.)  Sew on pockets and flags. (cont.d.)  Sew on pockets and flags to the teach bellows in the stitching. The bellows on the breast pocket shall be beyond the pocket, and not be exposed beyond the pocket shall from edge, continuing the to fromts 1/16 to 1/8 inch from edge, continuing the stitching along bottom of pocket catching the corner of the bellows for not less than 1/4 inch nor more operation on the breast pocket. When using the single operation, the front bottom corner of each breast pocket for not less than 1/4 inch.  C. Operations 13.a. and 13.b. may be performed as more operation on the breast pocket. When using the single operation, the front bottom corner of each breast pocket on the backtacked through the bellows and the pocket for not less than 1/4 inch. The crossover stitch from the bellows to the pocket should finish under the backtack to preclude any weak spot in this area.  d. Turn in top edge of flags; position folded edge above pockets on lines indicated on pattern, and stitching on the left flag part 1-1/4 to 1-1/2 inches at center of flag. Both may of the stitching along both may be account of the stitching and the pocket flag pean 1-1/4 to 1-1/2 inches at center of flag. Both may be seen on the left flag path belows the seen on the left flag path below and the pocket flag pean 1-1/4 to 1-1/2 inches at center of flag.	COVER	- <del></del>					
THEIR II. (cont'd)  SEW ON DOCKETS and flags. (cont'd)  Stitching shall superintose preheming stitching when this option is selected. Do not each bellows when this option is selected. Do not each bellows in the stitching, The bellows on the breast pocket bellows potion of the pocket should finish even with the pocket, and not be expeed beyond the pocket, and not be expeed beyond the pocket and not be expeed beyond the pocket and not be expeed beyond the pocket catching the corner of the bellows for not less than 1/4 inch nor more than 3/4 inch.  C. Operations 13.a. and 13.b. may be performed as one operation, the front bottom corner of each press pocket should finish under the bellows to the pocket for not less than 1/4 inch.  Dellows and the pocket for not less than 1/4 inch breast pocket should finish under the bellows to the pocket should finish under the bellows to the pocket should finish area.  G. Turn in top edge of flags; position folded edge above pockets on lines indicated on pattern, and spart, leaving the seam on the left breast pocket flap, and the left breast pocket flap, and the pocket of many weak sport in this area.  G. Turn in top edge of flaps: position folded edge above pockets should finish under the bellows to the pocket should finish under the belt breast pocket flap open 1-1/4 to 1-1/2 inches at center of flap, Both rows of stitching all performance of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 to 1-1/2 inches at center of flap open 1-1/4 t	HREAD SOBBIN/ COOPER		*	20	-		
TRREE II. (cont'd)  SEW ON DOCKETS and flaps. (cont'd)  SELICHING SHITCHING DEPRITIONS REQUIREMENTS  SELICHING SHALL SUPERITIONS REQUIREMENTS  SELICHING SHALL SUPERITIONS PERHAMING SLICKHING When this option is selected. Do not catch bellows in the stitching. The bellows on the breast pocket shall face the sides sean'Ami hole of the cost. The bellows portion of the pocket should finish even with the pocket, and not be exposed beyond the pocket depocked, and not be exposed beyond the pocket depocked, and not be exposed beyond the pocket depocked, and not be exposed beyond the corner of the pallows for not less than 1/4 inch nor more than 3/4 inch.  C. Operations 13.a. and 13.b. may be performed as one operation on the breast pocket. When using the stingle operation, the front bottom corner of each breast pocket should finish under the bellows for the front less than 1/4 inch. The crossover stitch from the bellows to the pocket should finish under the bellows and the pocket for not less than 1/4 inch. The crossover stitch from the bellows to the pocket should finish under the bellows and the pocket for not less than 1/4 inch. The crossover stitch from the bellows to the pocket should finish under the bellows of the pocket should finish under the bellows of stitching 3/16 to 1/4 inch apart, leaving the seam on the left breast pocket filep spall be bellowed to stitching on the left flap shall be a continuation of the stitching in operation 8.f.				20		200	
TABLE II. (cont'd)  SEAV ON POCKETS and flaps. (cont'd)  Stitching shall superimpose prehemming stitching when this option is selected. Do not catch bellows in the stitching. The bellows on the breast pocket shall face the side seam/arm hole of the coat. The bellows portion of the pocket should finish even with the pocket, and not be exposed beyond the pocket edge.  b. Stitch the turned-in front edge of breast pocket to fronts 1/16 to 1/8 inch from edge, continuing the stitching along bottom of pocket catching the corner of the bellows for not less than 1/4 inch nor more than 3/4 inch.  c. Operations 13.a. and 13.b. may be performed as one operation on the breast pocket. When using the single operation, the front bottom corner of each breast pocket for not less than 1/4 inch. The crossover stitch from the bellows to the pocket for not less than 1/4 inch. The crossover stitch from the bellows to the pocket for not less than 1/4 inch. The crossover stitch from the bellows to the pocket for not less than 1/4 inch above bockets on lines indicated on pattern, and stitch with two rows of stitching 3/16 to 1/4 inch apart, leaving the seam on the left flaps shall be a continuation of the stitching in operation 8.f.	STITCHES PER INCH		r	10-14		10-14	10-14
Sew on pockets and flaps. (cont'd)  Stitching shall superimpose preherming stitching when this option is selected. Do not catch bellows in the stitching. The bellows on the breast pocket shall face the side seam/arm hole of the coat. The bellows portion of the pocket should finish even with the pocket, and not be exposed beyond the pocket edge.  b. Stitch the turned-in front edge of breast pocket to fronts 1/16 to 1/8 inch from edge, continuing the stitching along bottom of pocket catching the corner of the bellows for not less than 1/4 inch nor more than 3/4 inch.  c. Operations 13.a. and 13.b. may be performed as one operation on the breast pocket. When using the single operation on the breast pocket. When using the bellows and the pocket for not less than 1/4 inch. The crossover stitch from the bellows to the pocket should finish under the backtack to preclude any weak spot in this area.  d. Turn in top edge of flaps; position folded edge above pockets on lines indicated on pattern, and stitch with two rows of stitching 3/16 to 1/4 inch apart, leaving the seam on the left the backet of flap. Both rows of stitching on the left flap shall be continuation of the stitching in operation 8.f.	SEAM AND STITCHING TYPE			1.5d-1		LSd-1	1.8d-2
Sew on pockets and flaps. (cont'd Stitching shall superimpose preh when this option is selected. D in the stitching. The bellows o shall face the side seam/arm holbellows portion of the pocket shall face the bellows for not be expopocket edge.  b. Stitch the turned-in front e to fronts 1/16 to 1/8 inch from stitching along bottom of pocket of the bellows for not less than than 3/4 inch.  c. Operations 13.a. and 13.b. one operation on the breast pocket shall be backtack bellows and the pocket for not The crossover stitch from the bocket should finish under the any weak spot in this area.  d. Turn in top edge of flaps; above pockets on lines indicate stitch with two rows of stitching apart, leaving the seam on the flap open 1-1/4 to 1-1/2 inches Both rows of stitching in the locatinuation of the stitching in the locations.	STITCH			301		301	. 301
. 13. 13.	TABLE II. (cont'd) MANUFACTURING OPERATIONS REQUIREMENTS	Sew on pockets and flaps. (cont'd)	Stitching shall superimpose prehemming stitching when this option is selected. Do not catch bellows in the stitching. The bellows on the breast pocket shall face the side seam/arm hole of the coat. The bellows portion of the pocket should finish even with the pocket, and not be exposed beyond the pocket edge.	Stitch the turned-in front efronts 1/16 to 1/8 inch from tching along bottom of pocket the bellows for not less than n 3/4 inch.	or	Operations 13.a. and 13.b. may be performed operation on the breast pocket. When using sle operation, the front bottom corner of each pocket shall be backtacked through the lows and the pocket for not less than 1/4 incressover stitch from the bellows to the ket should finish under the backtack to precipe spot in this area.	Turn in top edge of flaps; ve pockets on lines indicate tch with two rows of stitch it, leaving the seam on the p open 1-1/4 to 1-1/2 inched in rows of stitching on the tinuation of the stitching
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COVER					• 1				<u> </u>
THREAD BOBBIN/ LOOPER			50 50		20		50		
NEEDLE			50		20		50		
STITCHES PER INCH			10-14 10-14 10-14		10-14		21-28 per bartack	, <u> </u>	• ,
SEAM AND STITCHING TYPE			LSbk-3(a) LSbk-3(a) LSbk-3(b)		0Sf-2		•		
STITCH			301 or 401 301		301		Bartack		
TABLE II. (cont'd) MANUFACIURING OPERATIONS REQUIREMENTS	Sew on pockets and flaps. (cont'd)	or	e. Position flaps (except left breast pocket flap) above pockets so that the line of stitching will be aligned with the lines indicated on pattern. Stitch to fronts 3/16 to 1/4 inch from raw edges. Turn flaps down and raise stitch with two rows of stitching 3/16 to 1/4 inch apart.	Or	f. When operations 8.g. through j. are used: Position top folded edge of flaps above pockets on lines indicated on pattern, and stitch with two rows of stitching 3/16 to 1/4 inch apart, leaving the seam on the left breast flap open 1-1/4 to 1-1/2 inches at center of flap. Both rows of stitching on the left flap shall be a continuation of the stitching in operation 8.j. The raw edges inside the flap and tab shall be caught in the stitching.	g. Bartack pockets and flaps as follows: Do not catch bellows in the bartacks.	(1) At each end of the pocket, superimpose bartack Bartack over line of stitching.	(2) Left breast flap, at each end of pencil pocket opening, positioned vertically.	
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	COVER				• "						
THREAD	BOBBIN/ LOOPER		50			20	•			50	50
	TICEEN		20			20				20	20
STITCHES	PER INCH		10-14			8-10				10-14	10-14
SEAM AND	STITCHING TYPE		LSc-2			EFa-1	-			I.Sd-2	ISc-2
	STITCH		301 or 401			301		·		301	301 401
TABLE II. (cont'd)	MANUFACTURING OPERATIONS REQUIREMENTS	Join shoulder seams.	Join fronts to back at shoulder with the back over fronts, with a double-lapped and double-stitched seam.	Make sleeves.	NOTE: Elbow patches are included on types I, III and V coats only.	a. Elbow patches may be prehermed by turning under top, bottom, and front edges (for top sleeve patch) or back edges (for undersleeve patch), and stitch 1/16 to 1/8 inch from turned edges.	<b>.</b>	b. Turn in top and undersleeve patch edges as specified in operation 15.a. and position on sleeves, as indicated on pattern.	and	c. Join patches to sleeves with a double row of stitching with outside row 1/16 to 1/8 inch from turned edges of patch. The outside row shall superimpose prehemming stitching when this option is selected.	d. Join the back arm seams of sleeves with a double-stitched seam with top sleeve lapped on undersleeve and the edge of elbow patches caught in the stitching.
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	COVER										
THREAD BOBBIN/	LOOPER		20		50			20 70	50	20	
	NEEDLE		20		20			20 20 .	20	20	
STITCHES PER	INCH		10-14	,	10-14		i	10-14	21–28 per bartack	10-14	
SEAM AND STITCHING	TYPE		LSd-2		LSc-2			LSc-2		LSb1-2	
STITCH	TYPE		301		301 or 401		,	301 or 401	Bartack	301	
TABLE II. (cont'd)	MANUFACTURING OPERATIONS REQUIREMENTS	Make sleeves. (cont'd)	e. If alternate one-piece elbow patch is used, the patch shall be positioned as indicated by marks on pattern after backarm seam is joined.	Set in sleeve.	Set sleeves to coat with double-lapped and double-stitched seams, with fronts and back lapping the sleeves.	Join side and sleeve seams and attach waist tabs.	a. Sleeves may be hemmed according to operation 18.a. prior to closing side and underarm seams.	b. Join side seams and underarm seams in one continuous operation with double-lapped and double-stitched seams with fronts lapping backs. When sleeves are prehemmed, finished hem stitching and bottoms of undersleeve and top sleeve shall not be out of alignment by more than 1/8 inch.	c. Prehemmed sleeves shall be bartacked 1/8 inch from bottom of finished sleeve with a horizontal bartack positioned across sleeve joining seam.	d. Position raw edges of waist tab on side seam of of coat front (types I, III and V only). The bottom of the tab shall be positioned the following applicable distance above the bottom raw edge of the coat.	
	Ğ.	15.		16.		17.				*	

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No.   WANUFACTURING OPERATIONS REQUIREMENTS   STUTCH   STRUCHES   STRUCH				•	MIL-C-4404	OI	· · · · · · · · · · · · · · · · · · ·
TABLE II. (cont.d)  Join Side and sleeve seems and attach waist tabs.  Join Side and sleeve seems and attach waist tabs.  Join Side and sleeve seems and attach waist tabs.  Join Side and sleeve seems and attach waist tabs.  Cont.d)  Cont.d)  Cont.d)  Cont.di  Ariber  E. Stitch the width of the tab 1/8 to 3/16 inch (toward coat back) and raise stitch tab 3/16 to lines by the bottom of tab on side seem of coat in coordance dowe the bottom raw edge of the coat in coordance dowe the bottom raw edge of the coat in coordance above the bottom raw edge of the coat in coordance above the bottom raw edge of the coat in coordance above the bottom raw edge of the coordance above the bottom raw edge of the coat in accordance above the bottom raw edge of the coordance above the bottom raw edge of the coat in accordance above the bottom raw	COVER						
TRREE II. (cont'd)  STITICHES  STITICH STITICHES  Join side and sleeve seams and attach waist tabs.  (cont'd)  Cont Size  XX-Short  Short  Short  Short  Join side and sleeve seams and attach waist tabs.  (cont'd)  XX-Short  Short  Short  Join side and sleeve seams and attach waist tabs.  (cont'd)  XX-Short  Short  Join side and sleeve seams and attach waist tabs.  XX-Short  Short  Join side and sleeve seams and attach waist tabs.  110-5/16  Long  Long  Tolerance  110-5/16  Long  Tolerance  11-5/16  e. Stitch the width of the tab 1/8 to 3/16 inch  (toward coat back) and raise stitch tab 3/16 to  1/4 inch from turned edge. Raw edges shall be buried within the seam.  or  f. Position straight end of tab on side seam of coat the bottom of the box attach with the bottom of the tab positioned above the bottom raw edge of the coat in accordance with the measurements cited in 17.d. Stitch the width of the tab with a rectangular inch wide.	THREAD BOBBIN/ LOOPER			N.		-	
TARLE II. (cont'd)  STUTCHING MANUFACTURING OPERATIONS REQUIREMENTS  TYPE  Join side and sleeve seams and attach waist tabs.  (cont'd)  Coat Size  XX-Short  8-3/8  XX-Short  Regular  11-5/16  X-Short  Regular  11-5/16  E. Stitch the width of the tab 1/8 to 3/16 inch  from zw edge of tab. Thun tab to finished position  (toward coat back) and raise stitch tab 3/16 to  1/4 inch from turned edge. Raw edges shall be buried within the seam.  or  f. Position straight end of tab on side seam of coat front coat in accordance with the measurements cited in  17.4. Stitch the width of the tab with a rectangular box stitch or double row of stitching 3/16 to 1/4  17.4. Stitch the width of the tab with a rectangular box stitch or double row of stitching 3/16 to 1/4  17.4. Stitch the width of the tab with a rectangular box stitch or double row of stitching 3/16 to 1/4  inch wide.	atiquan	;					
TAREE II. (cont'd)  STITCH  MANUFACTURING OPERATIONS REQUIREMENTS  Join side and sleeve seams and attach waist tabs.  (cont'd)  Coat Size  XX-Short  8-3/8  XX-Short  8-3/8  XX-Short  8-3/8  Kashort  Short  Short  10-5/16  X-Long  Tolerance  11-5/16  X-Long  Tolerance  12-5/16  X-Long  Tolerance  12-5/16  Y-Long  Tolerance  13-16 inch  (toward coat back) and raise stitch tab 3/16 to  1/4 inch from turned edge. Raw edges shall be buried within the seam.  Or  f. Position straight end of tab on side seam of coat front (types I, III and V only), with the bottom of the tab positioned above the bottom raw edge of the coat in accordance with the measurements cited in 17.d. Stitch the width of the tab with a rectangular box stitch or double row of stitching 3/16 to 1/4 inch wide.	STITCHES PER INCH						10-14
TABLE II. (cont'd)  MANUFACTURING OPERATIONS REQUIREMENTS  Join side and sleeve seams and attach waist tabs. (cont'd)  Coat Size  Inches  XX-Short  8-3/8  X-Short  8-3/8  K-Short  8-3/8  Regular  10-5/16  Long  X-Long  Tolerance  11-5/16  12-5/16  12-5/16  14 inch from turned edge. Raw edges shall be buried within the seam.  or  f. Position straight end of tab on side seam of coat front (types I, III and V only), with the bottom of the tab positioned above the bottom raw edge of the coat in accordance with the measurements cited in 17.d. Stitch the width of the tab with a rectangular box stitch or double row of stitching 3/16 to 1/4 inch wide.	SEAM AND STITCHING TYPE			·			SSC-2
	STITCH TYPE						301
NO. 117.	TABLE II. (cont'd) MANUFACTURING OPERATIONS REQUIREMENTS	Join side and sleeve seams and attach waist (cont'd)	•	ort 8 ort 8 cort 8 cort 10 cor	of the tab 1/8 to 3/16 Turn tab to finished I raise stitch tab 3/16 Sdge. Raw edges shall	or	f. Position straight end of tab on side seam of coat front (types I, III and V only), with the bottom of the tab positioned above the bottom raw edge of the coat in accordance with the measurements cited in 17.d. Stitch the width of the tab with a rectangular box stitch or double row of stitching 3/16 to 1/4 inch wide.
	Ñ.	17.					-

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COVER			•					÷
THREAD . BOBBIN/ LOOPER	20	20			20		20	50
NEEDLE	20	200		•	20		20	50
STITCHES PER INCH	10-14	10-14			10-14		10-14	10-14
SEAM AND STITCHING TYPE	EFD-1	LSb1-2		,	SSc-2		SSa-1	LSb-1
STITCH	301	301		•	301		301	301
TABLE II. (cont'd) MANUFACTURING OPERATIONS REQUIREMENTS	Hem sleeves and attach sleeve tabs.  a. Turn up bottom of sleeves as indicated on pattern with rest of the tent of	from the edge. Hem shall finish 1-1/8 to 1-3/8 inches in width.  b. Position raw edge of tab on top sleeve, as indicated on pattern with bottom edges even and stitch the width of tab 1/8 to 3/16 inch from raw edge of	tab. Turn tab to finished position (toward back arm seam) and raise stitch tab 3/16 to 1/4 inch from turned edge. Raw edges shall be buried within the seam.	or	c. Position straight edge of tab on top sleeve, as indicated on pattern, with bottom edges even and stitch the width of the tab with a rectangular box stitch or double row of stitching 3/16 to 1/4 inch wide.	Set collar.	a. Seam undercollar to neck of coat with the seaming at ends of the collar not more than 1/8 inch below top edge of lapel. When size label is caught in seam, it shall be caught securely.	b. Turn in bottom edge of top collar and single stitch to neck of coat 1/16 to 1/8 inch from edge, with the stitching not more than 1/8 inch from undercollar joining seam.
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COVER			-				···	
THREAD BOBBIN/ NEEDLE LOOPER		20	20			30		
NEEDLE		20	20			30		
STITCHES PER INCH		10-14	21-28 per bartack			14-16 per button 14-16 per button		
SEAM AND STITCHING TYPE		EFb-1 and SSa-1						
STITCH TYPE		301	Bartack			101 or 301		
TABLE II. (cont'd) MANUFACTURING OPERATIONS REQUIREMENTS	Hem bottom.	a. Turn up bottom with the raw edge turned in and single stitch 1/16 to 1/8 inch from folded edge with the stitching continued across ends of hem. Hem shall finish 5/8 ± 1/8 inch wide and the ends shall not extend beyond front edges of coat.	b. In lieu of stitching across ends of hem, vertical bartacks may be substituted in line with vertical stitching and shall cross the horizontal stitching.	Attach buttons.	Attach buttons to coat as follows:	(1) Five buttons on right front positioned 1 to 1-1/4 inches from finished front edge (measurement taken from center of buttons) and corresponding to the eyelet ends of buttonholes in left front and front fly.	(2) Two buttons on each pocket to correspond with the eyelet end of flap buttonholes.	shall conform to the tab buttonhole with sleeve in finished position. The second button on undersleeve with the center of button 4 ± 1/8 inches from first button and 7/8 ± 1/8 inch from bottom edge of sleeve. The third button on undersleeve with the center of button 2 ± 1/8 inches from second button and 7/8 ± 1/8 inch from bottom edge of sleeve. The buttons shall be sewn through the hem.
Q.	20.			21.				

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COVER		· ·			· ·		•	•					
THREAD BOBBIN/ LOOPER C					.,							-	
NEEDLE					, .								
STITCHES PER INCH			ı						•	·			
SEAM AND STITCHING TYPE			,		ş	-			,		,		
STITCH							8		•		_		
TABLE II. (cont'd) MANUFACTURING OPERATIONS REQUIREMENTS	Attach buttons. (cont'd)	(4) Two buttons on each side back. The first button shall conform to the tab buttonhole with the tab in the finished position. The second button on the back shall be $1-1/2 \pm 1/8$ inches from the first button.	Clean coat.	a. Trim all ends of stitching to 1/2 inch maximum length throughout (inside and outside) and remove loose threads from the coat.	b. Remove all spots, stains, and visible shade or size markings.								
ÃO.	21.	<u> </u>	22.		ı,								

NATICK Form 903 1 Dec 76 EDITION OF 1 OCT 76 WILL BE USED UNTIL EXHAUSTED.

The finished measurements shall be as shown in table III. TABLE III. Finished measurements (inches) 3.10 Finished measurements.

	XX-Short	X-Short	Short	Regular	Long	X-Long	Tolerance
Half chest 1/ X-small Small Medium Large X-Large	22-1/4 24-1/4 	20-1/4 22-1/4 24-1/4 26-1/4	20-1/4 22-1/4 24-1/4 26-1/4	20-1/4 22-1/4 24-1/4 26-1/4 28-1/4	22-1/4 24-1/4 26-1/4 28-1/4	22-1/4 24-1/4 26-1/4 	+1+1+1+1+1 3/4 3/4 4/4
Back length <u>2</u> / X-small Small Medium Large X-Large	26-5/8 27-1/8 	27-1/8 27-5/8 28-1/8 28-5/8	28-1/8 28-5/8 29-1/8 29-5/8	29~5/8 30~1/8 30~5/8 31~1/8 31~5/8	31–1/2 32 32–1/2 33	32-7/8 33-3/8 33-7/8 	+1+1+1+1 3/4 3/4 4/4 4/4
Sleeve length 3/ X-small Small Medium Large X-Large	21-3/4 22-1/4 	22-1/4 22-3/4 23-1/4 23-3/4	23-1/4 23-3/4 24-1/4 24-3/4	24-1/4 24-3/4 25-1/4 25-3/4 26-1/4	25-3/4 26-1/4 26-3/4 27-1/4	26-3/4 27-1/4 27-3/4	11/1/27/27/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2

<sup>1/</sup> With coat buttoned, in line with pit of armhole from folded edge to folded edge.

Along center back from undercollar seam to bottom edge of coat. 75

Fold sleeve along the underarm seam, measure along folded edge of the top sleeve from shoulder seam to the bottom of sleeve. اري ا

3.11 <u>Workmanship</u>. The finished coats shall conform to the quality of product established by this specification and the occurrence of defects shall not exceed the applicable acceptable point values and quality levels.

## 4. QUALITY ASSURANCE PROVISIONS

- 4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in this specification where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.
- 4.1.1 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.
- 4.1.2 Responsibility for dimensional requirements. Unless otherwise specified in the contract or purchase order, the contractor is responsible for ensuring that all specified dimensions have been met. When dimensions cannot be examined on the end item, inspection shall be made at any point, or at all points in the manufacturing process necessary to ensure compliance with all dimensional requirements.
- 4.1.3 <u>Certificates of compliance</u>. When certificates of compliance are submitted, the Government reserves the right to inspect such items to determine the validity of the certification.
- 4.2 <u>Classification of inspections</u>. The inspection requirements specified herein are classified as follows:
  - a. First article inspection (see 4.3).
  - b. Quality conformance inspection (see 4.4).
- 4.3 <u>First article inspection</u>. When a first article is required (see 3.1 and 6.2), it shall be examined for the defects specified in 4.4.4.1 and 4.4.4.2.

- 4.4 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be performed in accordance with MIL-STD-105.
- 4.4.1 <u>Component and material inspection</u>. In accordance with 4.1, components and materials shall be inspected in accordance with all the requirements of referenced documents unless otherwise excluded, amended, modified, or qualified in this specification or applicable purchase document.
- 4.4.2 <u>Certification</u>. When printed or dyed seconds are used, the contractor shall furnish a certificate of compliance indicating that they meet the requirements of 3.3.2.
- 4.4.3 <u>Daily preproduction testing (types I, III and V coats only)</u>. The tests listed in table IV shall be performed each day prior to the start of production.

TABLE IV. Daily preproduction tests

Characteristics	Requirement	Test procedure
Fusing press settings	3.3.3.1	4.4.3.1
Actual fusing temperature	3.3.3.1	4.4.3.2
Bonding strength	MIL-C-44296	4.4.3.3

- 4.4.3.1 <u>Fusing press settings</u>. Before production begins each day, all fusing machine settings for temperature, pressure, and dwell time shall be visually checked for conformance with manufacturers recommendations. Nonconforming settings shall be adjusted accordingly. Actual setting shall be recorded in the first column of figure 2.
- 4:4.3.2 Actual fusing temperature. One swatch of outershell material, 8 inches in the warp direction and 11 inches in the filling direction, shall be cut from material to be used in the first of the days production. At the same time, one swatch of fusible interlining cloth material, 8 inches in the machine direction and 11 inches in the cross-machine direction, shall be cut from material to be used in the first of the days production. All test swatches shall be cut into three equal parts of approximately 3.6 inches by 8 The fusible test swatches may be cut slightly smaller in size to avoid fusing belt or head contamination. Sandwich a temperature strip (see 6.8) face down between one specimen of outershell material placed face down and a specimen of fusible interlining cloth material placed on top with the adhesive side down. The temperature strip shall be placed slightly within the fusible starter strip. All fusing tests shall have an approximate 1 inch by full width starter strip or non-fused area incorporated into the top portion of any given bond strength samples. This can be accomplished by placing a thin, non-adhesive material between the fusible interlining cloth material and outershell before fusing, or by folding the fusible onto itself.

This sample shall be placed in the center of the fusing press conveyor or head with the outershell material down. Prepare two additional samples as described above using fusible interlining cloth material and place them on the left and right sides of the fusing head or conveyor belt with the outershell material face down. After the fusing press is fully warmed up, run all samples through the fusing press, take the temperature of the strip specimens, determine the average of the three readings, and record the results in column 2 of figure 2. Retain each individual temperature reading in an organized, self-developed worksheet format. If the average falls outside of the fusible manufacturers recommended range, or if there is a variance in excess of 10°F or 6°C between lanes, determine the cause, correct the problem, and repeat the testing process. Actual temperature and time shall be recorded in Chart A of figure 2.

- 4.4.3.3 Bonding strength. To determine bonding strength, trim all fusible interlining cloth swatches from the actual temperature test to 1 inch by 8 inch strips. Pinking shears shall not be used to cut strips. The outershell fabric of each shall be clamped at the top, and the fusible material pulled from the starter strips downwards in a vertical direction in a steady, continuous motion. A constant-rate-extension (CRE), or a constant-rate-traverse (CRT), or calibrated spring scale type tester may be used. If a spring scale type tester is used it shall be calibrated once weekly. Any calibration procedure used shall ensure an accuracy of 1/4 ounce or better, and the date of calibration shall be entered on figure 2. Average the three bonding strength readings in an organized self-developed worksheet format and record the averages on Chart A of figure 2. If any individual reading fails to meet minimum bonding strength requirements, then cause must be determined, corrections made, and the material retested until the problem is resolved before commencing production. In case of bonding strength dispute see 6.7.
- 4.4.3.4 <u>In-process fusing press maintenance and representative production testing (types I, III and V coats only)</u>. In-process tests listed in table V shall be performed. Actual fusing temperature and bonding strength testing shall be performed after every 4 hours of fusing production time. Pressure evenness and dwell time maintenance testing shall be performed once weekly. All representative production testing shall be performed once weekly. All representative production testing shall be performed on outershell, and fusible interlining cloth materials, sampled from component lots to be consumed in the next 1000 units of end item production. Sample size, and acceptance/rejection criteria shall be as specified in the applicable test procedure. Tests shall include appearance before laundering and appearance and bonding strength after three launderings.

TABLE V. <u>In-process fusing maintenance and representative production tests</u>

Characteristic	Requirement	Test procedure
Fusing press maintenance: Actual fusing temperature Bonding strength	3.3.3.1 MIL-C-44296	4.4.3.2 4.4.3.3

TABLE V. <u>In-process fusing maintenance and representative</u> <u>production tests</u> (cont'd)

<u>Characteristic</u>	Requirement	Test procedure	
Pressure evenness	3.3.3.1	4.4.3.5	
Dwell time	3.3.3.1	4.4.3.5	
Representative production:			
Appearance (before and	• • • •	*	
after 3 launderings)	3.3.3.1	~ 4.4.3.6	
Laundered bonding strength	3.3.3.1	4.4.3.6	

4.4.3.5 Pressure evenness and dwell time. Cut five strips, 8 inches in the warp direction by 2 inches in the filling direction, of outershell material and slightly smaller sized fusible interlining cloth material. Place each of the fusible strips, with the adhesive side down, on the top of the outershell material with the face side down and with a fusible starter strip (see 4.4.2.3). Arrange the five specimens on the fusing press conveyor belt alongside each other in five different lanes, consisting of extreme left, middle left, center, middle right, and extreme right. For head press equipment, place a specimen in each corner and one in the middle. Run the specimens through the fusing press and using a stop watch, mark the time elapsed between the time the leading edge of one of the specimens comes under pressure contact and the time it is released from the pressure contact. Enter the dwell time on figure 2. Remove the strips from the fusing machine when adequately cooled, cut fused outershell/fusible laminate to 1 inch in the filling direction, and perform the bonding test in 4.4.2.4 on all five specimens, recording the results for each specimen on figure 2. The dwell time should be consistent with the machine speed ratings. The fusible manufacturers recommended range and all five specimens should meet the minimum initial requirement for bond strength. Any variations shall be investigated for cause, corrections made, and the testing process repeated.

4.4.3.6 Laundered appearance and bonding strength. For testing, prepare an 8 inch in the warp by an 11 inch in the filling, outershell material specimen representative of each 1000 unit production end item lot. Prepare a slightly smaller sized fusible interlining cloth specimen and fuse in accordance with 4.4.3.2. Launder the fused sample three times in accordance with MIL-C-44296 requirements, except launder for a minimum of 10 minutes and do not condition to equalibrium under standard conditions. Examine the test swatch for bubbling, delamination, or strike through and record observations on Chart B of figure 2. Trim the swatch into three 1 inch by 8 inch strips and perform bonding strength tests using the bonding strength procedure in the preproduction testing in 4.4.3.3. Retain each individual bonding strength reading in an organized, self-developed worksheet format and record averages on Chart B of figure 2. Any evidence of bubbling, delamination, or strike through, or bonding strength not meeting the requirements of

MIL-C-44296 shall be investigated for cause, corrections made, and retesting performed before continuing production of the 1000 end items represented by the sample. At the conclusion of all tests, authorized initials shall be written in to verify contractor results.

## 4.4.4 Point count inspection (see 6.6).

4.4.4.1 End item visual examination. The end items shall be examined for the defects listed in table VI and the assessment of penalty points shall be as indicated therein. Sampling and acceptance criteria shall be as specified in 4.4.4.1.1. Material defects and damages shall be clearly visible when examined at a distance of 3 feet.

TABLE VI. End item visual defects

Examine	Defect	Point value
Material defects	Any hole, cut, tear, smash, burn, drill	
and damage	hole $1/$ , scorched area, multiple float, or open place:	
	a. On outside 2/ (longest dimension in any direction):	
	- Up to 1/4 inch inclusive	2
	- More than 1/4 inch	2 3
	b. On inside 3/ (longest dimension in any direction):	
	- Up to 1/4 inch inclusive	1
	- More than 1/4 inch	2
	Misweave, dyestreak, broken or missing	
	yarn, visible mend, thin place, or shade	
	bar greater than 1/4 inch	1
	Loose yarn or coarse yarn on outside	1
	Needle chew on outside (largest dimension	£
-	in any direction):	
	- Up to 1/2 inch inclusive	· 2 3
	- More than 1/2 inch	3
	No printed dye penetration:	1
•	- Up to 1/4 inch inclusive	1
	- More than 1/4 to 1/2 inch inclusive	2 3
	- More than 1/2 inch	3
	Poor printed dye penetration:	,
	- More than 1/4 to 1/2 inch inclusive	1 2
	- More than 1/2 inch	1
	Knot or slub on outside 4/ Woven in waste on outside more than	
	1/2 inch (largest dimension in any	1
	direction)	T

## TABLE VI. End item visual defects (cont'd)

Examine		Defect	Point value
Shaded part	 •	Variation in shade within an outside part	1
	NOTE:	Parts suspected as being shaded shall be examined at a distance of 3 feet against the background of the other parts and colors of the garment. When the shade difference is readily discernible under these examined conditions, it shall be scored as a shaded part.	
		Any part required to be cut from one piece of material, shaded	2
Cleanness		Spot or stain on outside 1/4 inch or more (largest dimension in any direction) Five or more thread ends of more than 1/2 inch on the outside, or nine or more	1
		thread ends of more than 1/2 inch on the inside	1
		Two or more shade or size tickets not removed	1
		Any size or shade marking on outside 1/4 inch or more	1
		More than 10 loose threads of 1 inch or more throughout (inside and outside)	1
Components and assembly		Any component part or required operation omitted (unless otherwise classified	2
		herein) Any component not as specified	3 3
		Any component part twisted, distorted, pleated, misshaped, tight, or full	
		(unless otherwise classified herein) Any operation not as specified (unless	2
		otherwise classified herein) The edge of any component part required to be forced out having folds of more	1
		than 1/8 inch (unless otherwise classified herein)	1

# TABLE VI. End item visual defects (cont'd)

Examine	•	Defect	Point value
Cutting		Any component part not cut in accordance with specified pattern or directional	
		lines on patterns, or not in accordance with requirements	3 ·
Seams and stitching		Accuracy of seaming:  a. Seam irregular, twisted, pleated, or wavy	1
	NOTE:	Pleats shall be scored when they exceed 1/4 inch in length and 1/16 inch in depth of fold.	
		b. Seam puckered (score only when on major portion of seam) 5/	1
		<ul> <li>c. Any part of coat caught in an unrelated operation or stitching</li> <li>d. End of stitching when not caught in</li> </ul>	2
		other seams or stitching, backtacked less than 1/4 inch	1
		e. Thread break (all stitch types) stitched less than 1/2 inch beyond each end of break	1
		f. Ends of a continuous line of stitching overlapped less than 1/2 inch (except	
		label stitching) g. Ends of stitching on label overlapped with less than three stitches	1
	Gage of stitching and seam allowance:  a. Irregular, i.e. unevenly gaged, or corresponding stitchings not uniformly gaged (to be scored only when condition exists on more than	<del>-</del> .	
		b. Width not as specified or not within range of gage specified or varies more than 1/16 inch when no range is	1
		specified c. Edge or raised stitching sewn too close	1
		to edge resulting in damage to cloth d. Seam allowance not as specified or varies more than 1/8 inch (to be	2
		scored only when condition exists on more than 1/2 the length of the seam):	2

Examine	Defect	Point value
Seams and	Open seam (all seams):	
stitching (cont'd)	a. Up to 1/2 inch inclusive	1
<b>.</b>	b. More than 1/2 to 3/4 inch inclusive	2
	c. More than 3/4 inch	3
NOTE	One or more broken stitches or two or more continuous skipped or runoff stitches on joining seam constitute an open seam. On double stitched seams, a seam is considered open when one or both sides of seam is open.	
	Raw edges:	
·	a. On outside:	•
•	- Up to 1/2 inch inclusive	1
	- More than 1/2 to 3/4 inch inclusive	2
•	- More than 3/4 inch	3
	On inside (except overedge edge):	
•	- More than 1 inch	1
	On overedged edge:	
	- 1 to 2 inches inclusive	1
	- More than 2 to 3 inches inclusive	2
	- More than 3 inches	3
	Exposed under pocket flaps and sleeve tab	
	- 1/4 to 1 inch inclusive	1
	- More than 1 inch	2
	Raw edge on inside or outside of coat	
	caused by excessive seam allowance	
	protruding from a double-lapped, double-	
	stitched seam	1 .
	Run-offs:	
	Edge or raised stitching:	
	- 1/4 to 1/2 inch inclusive	1
	- More than 1/2 inch	2
	Seam and stitch type:	
	a. Not specified seam or stitch type	2
	b. Looper thread on outside (when	
	401 stitch type is used)	3
	c. Any line of stitching omitted	3

Examine	Defect	Point value
Seams and	Stitch tension:	
stitching (cont'd)	a. Loose tension, resulting in a loose	
	seam: - Up to 1/2 inch inclusive	1
	- More than 1/2 up to 3/4 inch	
	inclusive	2
	- More than 3/4 inch	3
•	b. Loose tension on raised or edge	
	stitching resulting in exposed	
	loose thread	1
	c. Tight tension (stitches break when	
·	normal strain is applied in the	~
	direction of the seam or stitching)	3
	Stitches skipped or broken: a. 1/4 to 1/2 inch inclusive	1
	b. More than 1/2 inch	1 2
	Stitches per inch (to be scored only when	4
	condition exists on major portion of seam):	-
	a. All seams, except stitching of labels and	
	overedge stitching:	
	- Less than the minimum	2
	- More than the maximum	1
	b. Stitching of label and overedge	_
	stitching, two or more stitches less	
	than specified	1
n	0	
Buttonholes and	One or more omitted, added, not specified	2
eyelets	type, or not finished as specified	3
	Gimp omitted, uncut buttonhole, or ends of gimp not pulled through to underside	1
	Ragged edge, incomplete stitching, stitching	7
	not securely caught in fabric	2
•	One or more broken stitches or two or more	4
	skipped stitches in one or more button-	
	holes	1
	Buttonhole stitching extending beyond	•
	bartack; stitches per buttonhole less	
	than minimum specified	1
	Finished cut length not as specified	1
	End of buttonhole tacked with less than	
	four stitches per bar (see 3.7.3):	
	a. One buttonhole	1
	b. Two or more buttonholes	2

Examine	Defect	Point value
Buttons (one or more)	Missing, broken, defective, not attached as specified, or insecurely sewn Stitching not locked at end of cycle (tug at loose end of thread when accessible,	1
	to determine if it will ravel) Sleeve buttons not sewn through sleeve	1
	hem	1
Bartacks or tacks (one or more)	Missing, insecure, misplaced, not specified size or type, or not serving intended	
	purpose	2
Collar ,	Top collar tight, causing collar to curl Fullness or puckers on top collar Tight at joining to neck, causing puckers	2 2
	or pleats on front or back  Corner of pointed end poorly shaped or not	2
	of uniform size or shape Edge uneven	2 1
	Twisted Points uneven in length:	2
	- 1/4 to 1/2 inch inclusive	1
	- More than 1/2 inch Ends of undercollar joining seam over-	2
	lapping top of lapel more than 1/8 inch Width of collar ends on type I and III coats only, less than 2-3/8 inches	1
	wide or more than 2-5/8 inches wide Stitching of top collar joining seam more than 1/8 inch above or below stitching of undercollar joining seam for a	2
	distance of more than 2 inches	1
Fronts	Lengths of fronts: - Uneven by more than 1/4 inch at bottom	_
	when buttoned - Uneven by 1/4 inch or more at neck,	2
	when buttoned Front buttons and left fly buttonholes out	2
•	of alignment, causing a noticeable bulge or twist on fronts when buttoned	2

Examine	Defect	Point value
Fronts (cont'd)	Lapel and left fly buttonholes (position):	
•	a. Buttonhole less than 5/8 inch or more	•
	than 3/4 inch from edge	2
	b. Left fly buttonholes 1/2 inch or more	
	from equal spacing	2
	<ul> <li>Left fly buttonhole constructed with</li> </ul>	
_	the purling on the reverse side	
	(facing wearer) of left fly	. 2
	d. Lapel buttonhole not parallel with top	
	edge of lapel	1
	e. Lapel buttonhole constructed with the	_
	purling on inside of facing	1
	Front buttons (position measured to center	
	of button):	
	a. Button less than 7/8 inch or more than	_
	1-1/4 inches from edge	2
	b. Buttons 3/8 inch or more out of vertical	_
	alignment	2
	Lapel steps uneven by more than 1/4 inch	2
Pocket and flaps	Construction and position:	
	a. Edges of pocket pleated or twisted in	
	stitching	1
	b. Double row of stitching omitted at	
	pencil opening of left breast pocket	
	flap	1
	c. Pencil opening omitted in left breast	
	pocket flap	2
	d. Raw edge of pocket hems not turned in	<b>2</b>
	e. Pocket flap tab tight, causing	
	fullness, twisting or curling of	
	pocket flap	2
	<ul> <li>f. Flap attached crookedly, i.e. distance</li> </ul>	
	between sides of pocket and underside	
	of opened flap vary by more than	
	1/4 inch	2
	g. Bellows portion of breast pocket	-
	positioned toward front center of coat	2
	h. Pocket or flap poorly shaped	2
	i. Pocket or flap out of alignment at any	
	corresponding point from pocket to	
	pocket or flap to flap by more than	
	3/8 inch (measure vertically from	_
	bottom of coat)	2

# MIL-C-44048F TABLE VI. End item visual defects (cont'd)

Examine	Defect	Point value
Pocket and flaps (cont'd)	j. Front edge of breast or lower pocket not parallel to front edge of coat by	
	3/8 inch or more  k. Breast pocket and/or lower pockets  unequal in width or height by more	2
	than 3/8 inch  1. Flap not covering front or back edge	2
•	of pocket by 3/16 inch or more m. Bottom folded edge of pocket flap button tab caught in edge stitching	2
	of pocket flap, affecting function  n. Pocket flaps not uniform in width and length from pocket to pocket by more	3
•	than 1/8 inch	1
	Button and buttonhole:  a. Button not corresponding with eyelet end of buttonhole, causing pocket to	
	be pulled up, or flap to bulge or twist when buttoned	2
	<ul> <li>b. Buttonhole not vertically positioned on button tab</li> </ul>	3
	c. Constructed with purling on the underside of button tab	2
	Pencil pocket:	
	a. Hem less than 1/2 inch or more than 5/8 inch wide	1
	<ul> <li>Edge exposed beyond side or bottom edge of pocket</li> </ul>	3
	c. Opening less than 1-1/4 inches or more than 1-1/2 inches	1
Bellows	Bellows exposed beyond edges of pocket	_
	1/8 to 1/4 inch	1
	Bellows exposed beyond edges of pocket more than 1/4 inch.	2
Sleeves	Sleeves reversed, i.e., right sleeve in left armhole, left sleeve in right armhole	3
	Sleeve puckered or pleated at joining to armhole	. 2
	Sleeve tight at armhole, causing puckers, or pleats on fronts or back at armhole seam	2

## MIL-C-44048F TABLE VI. End item visual defects (cont'd)

		Point
Examine	Defect	value
Sleeves (cont'd)	Sleeve backarm seams unequal distance from	
5250755 (55115 4)	shoulder seams by more than 3/4 inch	1
•	Elbow patches on types I, III, and V reversed,	
	i.e., top patch on undersleeves, undersleeve	^
,	patch on top sleeve Sleeve hem less than 1-1/8 inches or more	2
,	than 1-3/8 inches wide	1
	Bottom edges of top and undersleeve not	
	aligned at bottom by more than 1/8 inch	_
	if alternate hemming is used Sleeve hem irregular by more than 1/4 inch	2 1
	:	1
Sleeve tabs and buttons	Inside edge of eyelet less than 5/8 inch or more than 3/4 inch from pointed end of	
Datoon	tab	1
·	Buttonhole off center from point of cuff by more than 1/8 inch	1
	Bottom edge of tab extending below sleeve,	
	or extending above bottom edge of sleeve by	
	more than 1/8 inch	1
,	First button not aligned with eyelet end of sleeve tab when turned to finished position	1
	Second button less than 3-7/8 inches or more	_
	than 4-1/8 inches from first button or less	
	than 3/4 or more than 1 inch from bottom edge	
	of sleeve (measurements taken from center of buttons)	1
	Third button less than 1-7/8 or more than	-
	2-1/8 inches from second button or less than	
	3/4 or more than 1 inch from bottom edge of	
	sleeve (measurements taken from center of buttons)	1
	- Width of sleeve tab less than 1-5/8 inches	+
	or more than 1-7/8 inches	1
199-1-3 1-1 3		
*Waist tabs and buttons (types I,	Inside edge of eyelet less than 5/8 inch or more than 3/4 inch from pointed end of tab	1
III and V coats	Buttonhole off center from point of tab by	1
only)	more than 1/8 inch	1
•	First button not aligned with eyelet end of	
	buttonhole tab when turned to finished	4
•	position	1

Examine	Defect	
*Waist tabs and buttons (types I, III and V coats	Second button less than 1-3/8 or more than 1-5/8 inches from first button or more than 1/4 inch out of horizontal alignment with	
only) (cont'd)	first button	1
	Width of waist tab less than 1-5/8 inches or more than 1-7/8 inches	1
	Waist tab and buttons out of horizontal alignment from each other by more than	
	1/4 inch Waist tabs out of horizontal alignment with	1
	each other by more than 3/8 inch	1
NOTE:	Measure from bottom edge of coat to bottom edge of waist tab on each side of coat. Any difference of more than 3/8 inch in the two measurements will be scored as a defect.	
Shoulder, armhole,	Front lapped on back at shoulder seams	1.
underarm, side seams, and back and	Back lapped on front at side seams Undersleeve lapped on top sleeve at back	1
front arm sleeve	arm or front arm seams Sleeve lapped on front or back at armhole	1
	seam	2
Labels	Size:	2
	<ul> <li>a. Missing, incorrect, or illegible</li> <li>b. Top edge of label less than 1/2 inch         or more than 3/4 inch below collar         joining seam (when not caught in collar</li> </ul>	2
•	stitching)	1
	c. Not positioned as specified	1 1
	d. Not stitched on four sides	
• •	e. More than 1 inch off center Identification:	2
	a. Missing, incorrect, or illegible	2
	b. Label stitching not covered by lower	•
	left pocket	2 1
	c. Not stitched on four sides Instruction or combination identification and instruction:	
	a. Missing, incorrect, or illegible	3
	<ul> <li>Label stitching not covered by lower right pocket</li> </ul>	. 2
	TIMIC DOVEC	

# MIL-C-44048F TABLE VI. End item visual defects (cont'd)

Examine	Defect	Point value
Front facings	Twisted, causing twist on fronts	2
220.00 200230	Tight or short, causing fullness on fronts Front puckered or pleated by stitching	2
•	on back edge of facing through front Back edge of right facing not turned under	. 1
	or overedged Back edge of left facing and fly not	3
	turned under or overedge stitched together Lapel steps uneven by more than 1/4 inch	3 2
Left fly	Construction and position:	
	a. Fly twisted or puckered	2
	<ul><li>b. Fly exposed beyond edge of left front</li><li>c. Tacking of left fly not superimposed on</li></ul>	2
	edge stitching of left front	·1
Bottom hem	Stitching across ends of hem omitted or insecure	1
	Twisted	2 .
	Width less than 1/2 inch or more than 3/4 inch	. 2
	Irregular in width by 1/4 inch or more Bottom of coat pleated or puckered at	1
	stitching, forming hem One or both hem ends extending more than	3
	1/8 inch beyond front edge of coat	2
*Fusing	Bubbling or delamination on fused components	3
(types I, III and V coats only)	Any strike through or bleed through Any resin transfer:	2
•	- On any fused component	2
	<ul> <li>On any non-fused component</li> <li>Color fading of fused parts, i.e., fused</li> </ul>	3
	parts shaded from rest of garment	2

<sup>&</sup>lt;u>1</u>/ Drill hole - This defect should not be scored when visible on the inside of the coat, provided that the component as attached to outside of coat fully covers the drill hole.

<sup>2/</sup> The "outside" is any part of the coat that is visible when the completely buttoned and closed coat is examined.

- 3/ The "inside" is any part of the coat that is not visible when the completely buttoned and closed coat is examined.
- 4/ Only knots or slubs that exceed the limit specified in the basic cloth document and are clearly visible when examined at a distance of 3 feet shall be scored as defects in evaluating the quality of the coat.
- 5/ Seams suspected of being puckered shall be examined at a distance of 3 feet in comparison with the AATCC Photographic Comparative Rating (see 2.2) for seams. Puckering on a major portion of the suspected seam that equals or is worse than rating 3 for single needle seams or double needle seams shall be scored as a puckered seam.
- 4.4.4.1.1 <u>Sampling and acceptance for visual examination</u>. The sampling and acceptance criteria shall be as specified in table VII and 4.4.1.2 through 4.4.4.1.4.4. The lot size unit and the sample unit shall be one coat. The lot shall be unacceptable if:
- a. The point value for 3 and 2 point defects exceeds the applicable maximum acceptable point value.

or .

b. The point value for total (3, 2 and 1 point) defects exceeds the applicable maximum acceptable point value.

TABLE VII. Sampling and acceptance criteria for visual examination

			•		
		Maximum acceptable point values			
	,	~ 1 -			
		Sample	3 & 2 point	3, 2 & 1 point	
	Lot_size	size	defects	defects	
Normal	Up thru 500	50	13 points	25 points	
inspection	501 thru 1200	80	19 points	31 points	
Timpeccion	1201 thru 3200	125	27 points	43 points	
•					
	3201 thru 10,000	200	38 points	63 points	
	10,001 and over	315	58 points	93 points	
			Maximum acceptable		
			point values		
		Sample	3 & 2 point	3, 2 & 1 point	
	Lot size	size	defects	defects	
Mi white and	In the EOO	<b>5</b> 0	7 points	16 points	
Tightened	Up thru 500	50	7 points		
inspection	501 thru 1200	80	12 points	25 points	
	1201 thru 3200	125	18 points	37 points	
	3201 thru 10,000	200	28 points	57 points	
	10,001 and over	315	41 points	85 points	

TABLE VII. Sampling and acceptance criteria for visual examination (cont'd)

			Maximum a point	_
	Lot size	Sample size	3 & 2 point <u>1</u> / defects	3, 2 & 1 point defects
Reduced	Up thru 1200	32	7-14 points	24 points
inspection	1201 thru 3200	50	12-18 points	30 points
-	3201 thru 10,000	80	16-21 points	38 points
	10,001 and over	125	23-28 points	43 points

- If the first value is exceeded but the second value has not been exceeded, accept the lot but reinstate normal inspection (see 4.4.4.1.4.4b). The second value is the maximum acceptable point value.
- 4.4.4.1.2 <u>Initiation of inspection</u>. Normal inspection shall be used at the start of inspection unless otherwise directed by the responsible procurement quality assurance element administering the contract.
- 4.4.4.1.3 <u>Continuation of inspection</u>. Normal, tightened, or reduced inspection shall continue unchanged on successive lots except where switching procedures in 4.4.4.1.4 require a change.

#### 4.4.4.1.4 Switching procedures.

- 4.4.4.1.4.1 <u>Normal to tightened</u>. When normal inspection is in effect, tightened inspection shall be instituted when two out of five consecutive lots have been rejected on original inspection (i.e., ignoring resubmitted lots for this procedure).
- 4.4.1.4.2 <u>Tightened to normal</u>. When tightened inspection is in effect, normal inspection shall be instituted when five consecutive lots have been considered acceptable on original inspection.
- 4.4.1.4.3 <u>Normal to reduced</u>. When normal inspection is in effect, reduced inspection shall be instituted provided that all of the following conditions are satisfied:
- a. The preceding ten lots have been on normal inspection and none have been rejected on original inspection; and
- b. The total number of points for 3 and 2 point defects in the samples from the preceding ten lots is equal to or less than 60 percent of the total maximum acceptable point values for 3 and 2 point defects from the preceding ten lots; and

- c. The total number of points for 3, 2, and 1 point defects in the sample from the preceding ten lots is equal to or less than 75 percent of the total maximum acceptable point values for 3, 2, and 1 point defects from the preceding ten lots; and
  - d. Production is at a steady rate; and
- e. Reduced inspection is considered desirable by the procurement quality assurance element administering the contract.
- 4.4.1.4.4 <u>Reduced to normal</u>. When reduced inspection is in effect, normal inspection shall be instituted if any of the following occur on original inspection:
  - a. A lot is rejected; or
- b. A lot is considered acceptable but exceeds the applicable first value (see 1/ to table VII); or
  - c. Production becomes irregular or delayed; or
  - d. Other conditions warrant that normal inspection be instituted.
- 4.4.4.2 <u>Dimensional examination</u>. The appropriate number of coats, as specified below, shall be examined for conformance to the finished measurement requirements specified in 3.10. When a measurement deviates from a dimension and tolerance specified, the coat shall be penalized one point. Each coat shall also be penalized one point when the sleeves are uneven in length by 1/2 inch or more. The lot shall be unacceptable if the total point value resulting from this examination exceeds the maximum acceptable point value specified below. Each size of coat present in the lot shall be represented in the sample selected for this examination. The lot size unit and the sample unit shall be one coat.

<u>Lot size</u>	Sample size	Maximum acceptable point values
Up thru 500	8	. 0
501 thru 3,200	<b>13</b> .	1
3,201 thru 35,000	20	2
35,001 and up	32	3

4.4.5 <u>Packaging examination</u>. The fully packaged end items shall be examined for the defects listed below. The lot size shall be expressed in units of shipping containers. The sample unit shall be one shipping container fully packaged. The inspection level shall be S-2 and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 2.5.

<u>Examine</u> <u>Defect</u>

Marking (exterior and Omitted; incorrect; illegible; of improper

interior) size, location, sequence, or method of

application

Materials Any component missing, damaged, or not as

specified

Workmanship Inadequate application of components, such as:

incomplete closure of container flaps, loose strapping, improper taping, or inadequate

stapling

Bulged or distorted container

Content Number of coats per container is more or less

than required

Size shown on one or more coats not as

specified on shipping container

4.4.6 <u>Palletization examination</u>. The fully packaged and palletized end items shall be examined for the defects listed below. The lot size shall be expressed in units of palletized unit loads. The sample unit shall be one palletized unit load, fully packaged. The inspection level shall be S-1 and the AQL, expressed in terms of defects per hundred units, shall be 6.5.

<u>Examine</u> <u>Defect</u>

Finished dimensions Length, width, or height exceeds

specified maximum requirements

Palletization Pallet pattern not as specified

Load not bonded as specified

Weight Exceeds maximum load limits

Marking Omitted; incorrect; illegible; of improper

size, location, sequence, or method of

application

#### PACKAGING

- 5.1 <u>Preservation</u>. Preservation shall be level A or Commercial as specified (see 6.2).
- 5.1.1 Level A preservation. Each coat shall be laid flat with the front up. The sleeves shall be folded at right angles across the chest one on top of the other. For the larger sizes, it may be necessary to adjust the sides

in order to attain the desired width of approximately 23 inches. The bottom edge of the coat shall first be folded over a few inches and the coat then folded in half so the length measures approximately 14-1/2 inches. Each coat shall be placed in a plastic bag conforming to A-A-50083.

- 5.1.2 <u>Commercial preservation</u>. Coats shall be preserved in accordance with ASTM D 3951.
- 5.2 <u>Packing</u>. Packing shall be level A, B or Commercial as specified (see 6.2).
- \* 5.2.1 <u>Level A packing</u>. Thirty coats of one size only for types I, IV and V and thirty-five coats of one size only for type III, preserved as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC-L, grade V2s of PPP-B-636. The inside of each shipping container shall be fitted with a box liner conforming to type CF, class weather-resistant, variety DW, grade V15c of PPP-B-636. Inside dimensions of each shipping container shall approximate 23-1/2 inches in length, 15 inches in width, and 15 inches in depth. Approximate dimensions are furnished as a guide only. Each shipping container shall be closed in accordance with method III, waterproofed in accordance with method V, and reinforced as specified in the appendix of PPP-B-636, except that the inspection shall be in accordance with 4.4.5. Shipping containers shall be arranged in unit loads in accordance with MIL-L-35078 for the type and class of load specified (see 6.2). Strapping shall be limited to nonmetallic strapping for type II, class F loads.
- \* 5.2.2 <u>Level B packing</u>. Thirty coats of one size only, for type I, IV and V and thirty-five coats of one size only for type III, preserved as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC-L, type CF (variety SW) or SF, class domestic, grade 275 of PPP-B-636. The inside of each shipping container shall be fitted with a box liner conforming to type CF, class domestic, variety DW, grade 275 of PPP-B-636. Inside dimensions of each shipping container shall approximate 23-1/2 inches in length, 15 inches in width, and 15 inches in depth. Approximate dimensions are furnished as a guide only. Each shipping container shall be closed in accordance with method II as specified in the appendix of PPP-B-636, except that the inspection shall be in accordance with 4.4.5.
- 5.2.2.1 Weather-resistant fiberboard shipping containers. When specified (see 6.2), shipping containers shall be a grade V3c, V3s, or V4s fiberboard box fabricated in accordance with PPP-B-636 and closed in accordance with method III as specified in the appendix of PPP-B-636, except that the inspection shall be in accordance with 4.4.5.
- 5.2.3 <u>Commercial packing</u>. Coats, preserved as specified in 5.1, shall be packed in accordance with ASIM D 3951.

- 5.3 <u>Palletization</u>. When specified (see 6.2), coats packed as specified in 5.2.2 or 5.2.3 shall be palletized on a 4-way entry pallet in accordance with load type Ia of MIL-SID-147. Pallet types shall be type I (4-way entry), type IV, or type V in accordance with MIL-SID-147. Pallets shall be fabricated from wood groups I, II, III, or IV of MIL-SID-731. Each prepared load shall be bonded with straps in accordance with bonding means C and D or film bonding means F or G. Pallet pattern shall be number 3 in accordance with the appendix of MIL-SID-147.
- 5.4 <u>Marking</u>. In addition to any special marking required by the contract or purchase order, shipping containers and palletized unit loads shall be marked in accordance with MIL-SID-129 or ASIM D 3951, as applicable.

#### 6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

- \* 6.1 <u>Intended use</u>. The coats are for wear by military personnel of the Department of Defense as an outer garment: type I in foliated areas, type III in hot humid areas and types IV and V in desert areas.
- 6.2 <u>Acquisition requirements</u>. Acquisition documents must specify the following:
  - a. Title, number and date of this specification.
  - b. Type and size required (see 1.2).
  - c. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1.1 and 2.2).
  - d. When a first article is required (see 3.1, 4.3, and 6.3).
  - e. Levels of preservation and packing (see 5.1 and 5.2).
  - f. Type and class of unit load required (see 5.2.1).
  - g. When weather-resistant grade fiberboard shipping containers are required for level B packing (see 5.2.2.1).
  - h. When palletization is required (see 5.3).
- 6.3 <u>First article</u>. When a first article is required, it shall be inspected and approved under the appropriate provisions of FAR 52.209-4. The first article should be a preproduction sample. The contracting officer should specify the appropriate type of first article and the number of units to be furnished. The contracting officer should include specific instructions in all acquisition documents regarding arrangements for selection, inspection, and approval of the first article.
- 6.4 <u>Samples</u>. For access to samples address the contracting activity issuing the invitation for bids or request for proposal.

- 6.5 <u>International standardization agreement</u>. Certain provisions of this specification are the subject of international standardization agreement as cited in NATO, STANAG No. 2333. When amendment, revision, or cancellation of this specification is proposed that will modify the international agreement concerned, the preparing activity will take appropriate action through international standardization channels including departmental standardization offices, to change the agreement or make other appropriate accommodations.
- 6.6 Point count system. This specification contains the requirements for a point count system for sampling and inspection of the end item. For the visual examination, point values of 1, 2, or 3 are assigned to the listed defects depending on severity. The higher point values are assigned to those defects having a more detrimental effect on the appearance or serviceability of the items.
- 6.7 Bonding strength dispute procedure. In case of a dispute, the average of the first 3 inches of the five highest bonding strength peaks from a chart recording on a CRE Tensile Tester, running at 12 inches/minute shall determine the bonding strength. If splitting is observed, then just the highest peak shall be regarded as the bonding strength.
- 6.8 <u>Temperature strip</u>. Suggested sources for temperature strips are as follows:

MRCINC, Reatec Divsion, telephone number (215) 687-4300 Paper Thermometer Co., telephone number (603) 547-2034

Also, each fusible manufacturer supplies their own brand of temperature strips.

- \* 6.9 <u>Supersession data</u>. The type II, desert camouflage pattern (6 color), cotton/nylon twill coat has been deleted since it is no longer required.
  - 6.10 Subject term (key word) listing.

Battle dress uniform Clothing Desert Tropical Utility Woodland

6.11 <u>Changes from previous issue</u>. The margins of this specification are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any

inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content as written, irrespective of the marginal notations and relationship to the last previous issue.

#### Custodians:

Preparing activity:

Army - GL

Navy - NU Air Force - 11

(Project 8415-0822)

Army - GL

#### Review activities:

Army - MD Navy - MC

Air Force - 82, 99

DLA - CT

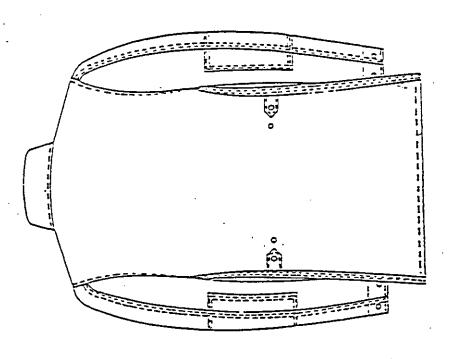
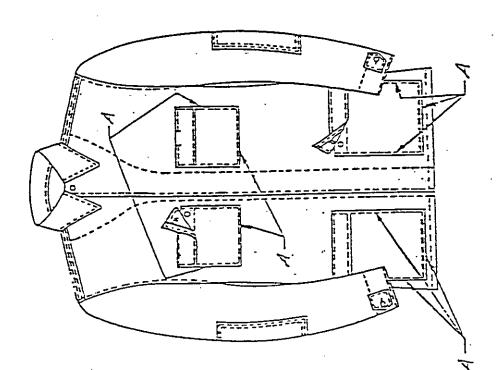




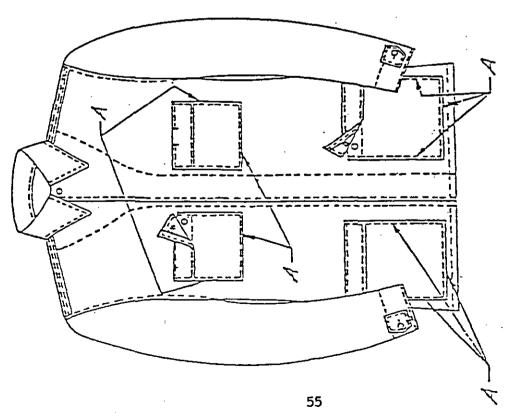
FIGURE 1. COAT, CAMOUFLAGE PATTERN, COMBAT (TYPES I, III AND V)



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CONTRACT # -	FUSING PRESS SETTINGS RECOMMENDED BY FUSIBLE	TEMPERATURE, °F(°C)
CONTRACTOR -	MFG	PRESSURE, PSI (BAR)
QAR NAME	STYLE NO.:	DWELL TIME, SEC
		·
CHART A	•	CHART B
INITIAL DAILY TEST (AFTER FUSING PR	REPRESENTATIVE PRODUCTION DATE RESS UNITS/1,000 DD/MM/	BS APPEAR PROD. AFTER 3 AFTER 3 YY LOT * LAUNDER. LAUNDER AI
DATE MACHINE (4 HOURS CLEANLINE DD/MM/YY WARM UP) LATER) (ONCE DAI MS T T	ESS 1 - 1,000 / /	
TT - P - DT TE BS TE BS AI:		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2,001 - 3,000 / /	- :
MS T T T T T T T T T T T T T T T T T T T	3,001 - 4,000 //	
MS T T T T T T T T T T T T T T T T T T T	4,001 - 5,000 7 . 7	
MS T T T	5,001 - 6,000 / /	
MT - P - DT TE BS TE BS AI:	1 2	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		
IN ROMT: 2 LBS. (907 GMS) /INCH OR SPLIT PRESSURE EVENNESS, BONDING STRENGTH	9,001 - 10,000 //	
EST ONCE WEEKLY DATE: // AI	MIN ROMT: 1.5 LBS. (680 (	SAS)/INCH OR SPLIT GOOD
WELL TIME, SEC. TEST ONCE WEEKLY DATE: MACHINE STOP WATCH PRADING  AI  SPRING SCALE CALIBRATION TEST ONCE WEEKLY DATE:  AI  AI	AI - AUTHORIZED INIT CONTRACTOR TE BS - BONDING STRENG DT - DWELL TIME MS - MACHINE SETTIN MT - MACHINE TEMPER P - PRESURE T - TIME TE - TEMPERATURE ST	STS TH/ IN., AVE. G , ATURE

FIGURE 2. FUSING PRESS MAINTENANCE/BONDING STRENGTH
CHECK CHARTS - ONE WEEK PRE-PRODUCTION
(CHART A) - REPRESENTATIVE PRODUCTION (CHART B)



\*U.S. GOVERNMENT PRINTING OFFICE: 1991--504-034/50327

FIGURE 3. COAT, CAMOUFLAGE PATTERN, COMBAT (TYPE IV)

## STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

#### INSTRUCTIONS.

- 1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
- 2. The submitter of this form must complete blocks 4, 5, 6, and 7.
- 3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:  MIL-C-44048F  1991 June 27
DOCUMENT TITLE
/·
COATS, CAMOUFLAGE PATTERN, COMBAT

5. REASON FOR RECOMMENDATION

6. SUBMITTER		
a. NAME (Last, First, Middle initial)	b. ORGANIZATION	
c. ADDRESS (Include 2lp Code)	d: TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (If applicable)	7. DATE SUBMITTED (YYMMOD)
8. PREPARING ACTIVITY		
a. NAME	b. TELEPHONE (Include Area Code) (1) Commercial	(2) AUTOVON
U.S. Army Natick RD&E Center	508-651-4532	256-4532
c. ADDRESS (Include Zip Code) Commander, U.S. Army Natick RD&E Center ATTN: STRNC-IRT Natick, MA 01760-5019	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340	