

MIL-J-87037D(NU)  
8 June 1988  
SUPERSEDING  
MIL-J-87037C(NU)  
27 September 1983

MILITARY SPECIFICATION

JUMPER, MAN'S, WHITE

This specification is approved for use by the Navy Clothing and Textile Research Facility, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

\* 1.1 Scope. This specification covers the requirements for 100% polyester certified Navy twill white jumper.

\* 1.2 Classification. Jumpers covered by this specification shall be of one type only in the following sizes and lengths (see 6.2).

Sizes - 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52

Lengths - Short, Regular, Long, and Extra Long

---

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Officer in Charge, Navy Clothing and Textile Research Facility, 21 Strathmore Road, Natick, MA 01760-2490 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

---

AMSC N/A

FSC 8405

\*DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.

## MIL-J-87037D(NU)

## 2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation.

## SPECIFICATIONS

## FEDERAL

- |          |  |
|----------|--|
| V-B-871  | - Button, Sewing Hole, and Button, Staple (Plastic)                                |
| V-T-280  | - Thread, Cotton, Gimp, Buttonhole   |
| NN-P-71  | - Pallet, Material Handling, Wood, Stringer Construction, 2 Way or 4 Way (Partial) |
| DDD-L-20 | - Label; For CLOthing, Equipage, and Tentage (General Use)                         |
| DDD-T-86 | - Tape, Textile, Cotton, General Purpose (Unbleached, Bleached, or Dyed)           |

## MILITARY

- |             |   |
|-------------|---|
| MIL-P-15011 | - Pallet, Material Handling, Wood, Post Construction, 4 Way Entry |
| MIL-B-17757 | - Boxes, Shipping, Fiberboard (Modular Sizes)                     |
| MIL-T-43548 | - Thread, Polyester Core: Cotton- , Rayon- , Polyester-Covered    |
| MIL-C-87052 | - Cloth, Twill, Polyester, White                                  |

## STANDARDS

## FEDERAL

- |             |                                   |
|-------------|-----------------------------------|
| FED-STD-751 | - Stitches, Seams, and Stitchings |
|-------------|-----------------------------------|

## MILITARY

- |             |   |
|-------------|---|
| MIL-STD-105 | - Sampling Procedures and Tables for Inspection by Attributes |
| MIL-STD-129 | - Marking for Shipment and Storage                            |
| MIL-STD-147 | - Palletized Unit Loads                                       |

(Copies of specifications, standards, drawings, and publications required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

MIL-J-87037D(NU)

\* 2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this specification to the extent specified herein. Unless otherwise specified, the issues shall be those in effect on the date of the solicitation.

LAWS AND REGULATIONS

US POSTAL SERVICE MANUAL

(Copies may be obtained from the Superintendent of the Documents, U.S. Government Printing Office, Washington, DC 20402-0001.)

2.2 Other publications. The following document(s) form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted shall be those listed in the issue of the DODISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS shall be the issue of the nongovernment documents which is current on the date of the solicitation.

NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION, INC., AGENT

National Motor Freight Classification

(Applications for copies should be addressed to the American Trucking Association, ATTN: Traffic Department, 1616 P Street, N.W., Washington, DC 20036-1404).

UNIFORM CLASSIFICATION COMMITTEE, AGENT

Uniform Freight Classification

(Applications for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606-5808).

THE COLOR ASSOCIATION OF THE UNITED STATES

Department of Defense Standard Shades for Buttons

Department of Defense Standard Shades for Sewing Threads

(Application for copies of color cards should be addressed to the Color Association of the U.S., 343 Lexington Avenue, New York, NY 10016).

NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION, INC. AGENT

NATIONAL MOTOR FREIGHT CLASSIFICATION

(Application for copies should be addressed to American Trucking Association, Attn: Traffic Department, 1616 P Street, NW, Washington, DC 20036-1404).

## MIL-J-87037D(NU)

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

## 3. REQUIREMENTS

3.1 Guide sample. Samples, when furnished, are solely for guidance and information to the contractor (see 6.3). Variations from this specification may appear in the sample in which case this specification shall govern.

3.2 First article. When specified, the contractor shall furnish sample unit(s) for first article inspection and approval (see 4.3 and 6.2).

3.3 Material.

\* 3.3.1 Basic material. The material for the jumper shall be a polyester twillcloth shade white 3006 conforming to MIL-C-87052.

3.3.2 Tape, cotton. The cotton tape for the hanger loops shall conform to type II, class 2, 1/2 inch width of DDD-T-86.

3.3.3 Thread.

\* 3.3.3.1 Thread, covered, polyester. The thread for seaming and stitching shall be cotton covered or rayon covered polyester, shade white AH, Cable No. 66050, Ticket No. 24, 50, and 70, 2 or 3 ply and for crowtack stitching Ticket No. 50, 2 or 3 ply conforming to MIL-T-43548. The Cable No. shall conform to the Department of Defense Standard Shades for Sewing Threads. The use of polyester-covered polyester core thread is not allowed.

\* 3.3.3.1.1 Automatic pocket machine. When an automatic pocket machine using a 101 stitch type is used, the thread shall be type IC2, Ticket No. A, 3 ply conforming to V-T-276. When an automatic pocket machine using a 301 stitch type is used, the thread shall be Ticket No. 50, 2 or 3 ply conforming to MIL-T-43548. The Cable No. shall be as stated in 3.3.3.1.

\* 3.3.3.2 Colorfastness. The thread shall show discoloration to light and laundering equal to or better than the standard sample when tested as specified in V-T-276 or MIL-T-43548. As a limit of acceptability or when no standard sample is available, the thread shall show a minimum of "good" discoloration to light and laundering when tested as specified in V-T-276 or MIL-T-43548.

\* 3.3.4 Button. The button for the inside swing pocket shall be 22-line and conform to type II, class D, style 19 of V-B-871. The color of the button shall be White, Shade BA, Cable No. 62031 in accordance with the Department of Defense Standard Shades for Buttons.

\* 3.3.5 Gimp cotton. The cotton gimp for reinforcing buttonholes shall be bleached white AH, Cable No. 66050 in accordance with the Department of Defense Standard Shades for Sewing Threads and shall conform to type I or II, size no. 8 of V-T-280.

## MIL-J-87037D(NU)

\* 3.3.5.1 Colorfastness. The gimp shall be equal to or better than the standard sample when tested for discoloration to laundering. As a limit of acceptability or when no standard sample is available, the gimp shall show a minimum rating of "good" when tested for discoloration to laundering as specified in V-T-280.

\* 3.3.6 Combination label. Each jumper shall have a combination identification, personnel, and instruction label conforming to type VI, classes 10 and 15 of DDD-L-20. The printing shall show fastness to laundering and shall bear the following inscription and format:

NAME:  
 SERVICE NO:  
 JUMPER, MAN'S, WHITE  
 FIBER CONTENT: 100% POLYESTER  
 CONTRACT NO: DLA-100-00-0-0000 (EXAMPLE)  
 NAME OF CONTRACTOR:  
 NAME OF MANUFACTURER: (IF DIFFERENT THAN CONTRACTOR)

MACHINE WASHING

Machine wash. Permanent press cycle, hot wash. Do not mix colors. Fill machine with clothes to 2/3 capacity. Use heavy duty soap or detergent. Prespot stains with a laundry stain pretreatment. If needed, use a non-chlorine bleach. Tumble dry using a warm setting or shape and hang dry. Remove at once from dryer. If touch-up ironing is needed, use a warm iron, press jumper inside-out.

OR

Follow NAVEDTRA Manual 414-01-45-81, Formula II.

\* 3.3.6.1 Size label. Each jumper shall have a size label conforming to type IV or VI, Class 2 of DDD-L-20. The label shall be sufficiently sized to indicate size, length, and stock number. The inscription shall be as follows:

34L (Example)  
 Stock Number 8405-00-000-0000 (Example)

NOTE: Abbreviation for the applicable size shall be S for Short, R for Regular, L for Long, and XL for Extra-Long.

\* 3.3.6.2 Removable size ticket. Each jumper shall have a commercial type size ticket attached to the outside of the lower left sleeve. The ticket shall be 1-1/2 inches long and 2 inches high, made of a suitable plain white cardboard. The corners of the ticket may be double perforated for ease in tacking. The size (38R - Example) shall be printed or stamped on the upper left hand corner in black or blue ink. The lettering for the size shall be 1/4 inch in height. Abbreviations for lengths shall be allowed in accordance with 3.3.6.1.

## MIL-J-87037D(NU)

3.4 Design. The jumper shall be of the pull-over type having a one piece front and a one piece back, a plain square sailor collar, a "V" neck, one piece sleeves and finished at the bottom with turned-up hems. There shall be one beason type pocket on the left front and one dummy (closed) beason type pocket on the right front which shall have an inside swing pocket and button flap closure (see figure 1 and 2).

3.4.1 Figures. The figures are furnished for information purposes only. To the extent of any inconsistencies between the specification and the figure, the specification shall govern.

\* 3.5 Patterns. Standard patterns to be used to cut working patterns will be furnished by the Government (see 6.3). The working patterns shall be identical to the Government patterns. Neither the Government patterns nor the working patterns shall be altered in any way, except that additional notches for use during construction are permitted on the working patterns. Also, minor modifications are permitted where necessary when using automatic equipment. These modifications shall not alter the dimensional, serviceability, or appearance requirements cited in the specification. The patterns allow a 1/2 inch seam allowance for double lapped and double stitched seams, or for safety-stitched, double needle topstitched seams.

\* 3.5.1 Pattern parts. The component parts for the jumper shall be cut from the material specified in accordance with the following pattern parts:

Material	Pattern parts	Cut parts
Cloth, polyester twill	Back	1
	Front	1
	Sleeve	2
	Topcollar	1
	Undercollar	1
	Inside pocket (right front)	1
	Outside pocket (left front)	1
	Pocket welt	2

3.6 Construction.

\* 3.6.1 Stitches, seams, and stitchings. Stitch, seams, and stitching types specified in Table I shall conform to FED-STD-751. Wherever two or more methods for seam or stitch types are given for the same part of the operation, any one of them may be used. Where stitch type 401 is used, the looper (underthread) shall be on the inside of the jumper. Unless otherwise specified, double needle stitching shall be 1/4 (+ 1/16) inch gauge with the outer row of stitching 1/16 to 1/8 inch from the finished edge. Topstitching and edge stitching shall be 1/16 to 1/8 inch from edge, unless otherwise specified in Table I. Seam allowances shall be maintained with seams sewn so that no raw edges, runoffs, twists, pleats, or puckers or open seams result. All seams shall start and finish evenly. Thread tension shall be maintained so that there is no tight or loose stitching.

## MIL-J-87037D(NU)

\* 3.6.2 Thread breaks and ends of seams. Ends of all seams and stitchings when not caught in other seams or stitchings shall be backtacked not less than 3/8 inch. The ends of a continuous line of stitching (except labels) shall be overlapped not less than 1/2 inch. The ends of label stitching shall be overlapped not less than 3 stitches. Thread breaks (all stitch types) shall be secured by stitching back of the break not less than 1/2 inch. Skipped stitches or 401 stitch type thread breaks may be repaired by using 301 stitch type. When stitch type 401 is permitted as an option, it shall not be used unless the ends are caught in other seams or stitching. As an exception, when closing the sides of the pockets, stitch type 401 may be used and a 1/4 to 3/8 inch chain shall extend beyond the ends not caught in other stitching. During the overedge operations, a knife shall be used for trimming off only the loose thread ends. The bight of the overedge stitching shall be 3/16 inch.

3.6.3 Stitches per inch. The minimum and maximum number of stitches per inch shall be as specified in Table I.

\* 3.7 Manufacturing operations requirements. The jumper shall be manufactured in accordance with the operation requirements specified in Table I. The contractor is not required to follow the exact sequence of operations as listed, provided the finished jumper is identical to that produced by following the sequence of operations as listed in Table I. Minor modifications are permitted where necessary when using automatic equipment. These modifications shall not alter the dimensional, serviceability, or appearance requirements cited in the specification.

3.7.1 Shade and size marking. The component parts of the jumper shall be marked or ticketed to insure a uniform shade and size throughout the garment. Any method may be used except:

- (1) Corrosive metal fastening devices
- (2) Sew-on shade tickets
- (3) Adhesive type tickets which discolor or adhere to the material upon removal of the tickets

NOTE: The use of ink pad numbering machine, rubber stamp, or pencil is allowed provided the numbering does not show on the outside of the garment and wherever possible is covered by the seam allowance.

3.7.2 Abbreviations in table of operations. The abbreviations used in Table I are as follows:

Stch	-	Stitch
in	-	inch
Ndl	-	Needle
Bob	-	Bobbin
Lpr	-	Looper
Mchne	-	Machine
Brtck	-	Bartack
Comrcl	-	Commercial
smlr	-	similar
Btnhl	-	Buttonhole
incl	-	including
dbl	-	double
chnstch	-	chainstitch

## MIL-J-87037D(NU)

TABLE I - CONSTRUCTION OF JUMPER

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD NDL BOB/ LPR
1.	<p><u>Cutting.</u> *a. The jumpers shall be cut in strict accordance with patterns furnished which show size, shape, and directional line for cutting, and notches and pattern marks for proper assembly of all parts.</p> <p>*b. All component parts shall be cut from the same piece of material except pockets, inside pocket flap and undercollar which may be cut from ends. Parts cut from ends shall approximate the shade of the jumper.</p>				
2.	<p><u>Replacement of defective components</u> During the spreading, cutting, and manufacturing process, components having material defects or damages that are classified as defects in Section 4 shall be removed from production and replaced with nondefective and properly matched components.</p>				
3.	<p><u>Size and shade marking (see 3.7.1).</u> *All parts shall be marked, or ticketed to insure a uniform shade, size and proper assembly throughout the garment except those parts cut from ends.</p>				
4.	<p><u>Outside (left) pocket.</u> NOTE: Form pocket welts with an automatic double welt pocket machine. Each welt shall finish 1/8 inch wide and 3-1/2 (+ 1/4) inches long. Welts shall be even and uniform with no raw edges, distortion, gapping, or overlapping at the ends of the pockets. Caution shall be exercised when forming welts that pockets are straight and in horizontal alignment with each other.</p> <p>a. Position pocket piece on inside of jumper in accordance with pattern marks with the long portion of pocket above welt marks.</p>				

## MIL-J-87037D(NU)

TABLE I - CONSTRUCTION OF JUMPER

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD	
					NDL	BOB/ LPR
	*b. Insert welt piece in pocket machine with an appropriate size piece of interlining of a type recommended by the machine manufacturer. Stitch welts in such a manner that the welt piece extends less than 3/4 inch above the top welt stitching on the underside of the finished, turned welt, and at least 3/4 inch below the bottom welt stitching.	101 or 301	pocket mchne	10-14	50	50
	c. Turn welts to finished position. Turn lower raw edge of welt under and stitch to pocket piece. Caution shall be exercised in performing this operation that no distortion or bulging results.	301 or 401	LSd-1	12-14	50	50 70
	d. Topstitch 1/16 inch below lower welt through all plies the length of the pocket and 1 or 2 stitches beyond the ends of the pocket.	301	LSca-2	12-14	50	50
	e. Turn down pocket pieces at notches leaving top of welt piece flat and topstitch 1/16 inch above upper welt through all plies the length of the pocket and 1 or 2 stitches beyond the ends of the pocket.	301	seam type as described	12-14	50	50
	*f. Close outer edge of pocket 3/8 inch from edge.	515, 516, or 519	SSa-2	12-14	50	70 . (chnstch) 70 70 (overedge)
	g. Make a crowsack with 3 pointed rays at each end of pocket opening. The crowsacks shall measure 3/4 (+ 1/16) inch between tips of the two opposite rays. The crowsack shall be stitched with the center ray pointed horizontally away from the pocket opening and the two opposite rays pointed vertically. Crowsacks shall cover the square ends of the pocket, but shall not extend into the welt area.	Crow- tack		126	50	50 per crow- tack

## MIL-J-87037D(NU)

TABLE I - CONSTRUCTION OF JUMPER

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD	
					NDL	BOB/ LPR
5.	<u>Inside (right) pocket (See NOTE under operation 4).</u> The pocket shall be one piece.					
	*a. Overedge and hem one end of pocket piece 1-1/2 ( <u>+</u> 1/8) inches.	503 or 504 or 602 &	EPd-1	8-12	70	70
	OR	301 or 401	EPa-1	12-14	50 50	50 70
	Turn under and hem one end of pocket piece 1-1/2 ( <u>+</u> 1/8) inches.	301 or 401	EPb-1	12-14	50 50	50 70
	NOTE: If 401 used, chain must be on inside of pocket.					
	b. Fold in hemmed end face to face according to pattern notches to form pocket and fold in top end to within 1/4 inch of the notches to form pocket flap; close sides 3/8 inch from edge.	301 or 401	SSa-1	12-14	50 50	50 70
	c. Overedge stitch sides of pocket including edges of flap portion.	504 or 602	SSa-1	8-12	70	70
	OR					
	*d. Operations c and d may be performed in one operation by simultaneously seaming and overedging the sides of the pocket.	515 or 516 or 519	SSa-2	12-14	50 70	70 70 (overedge)
	e. Position the pocket, pouch down with the opening toward the wearer and the flap in its open position in accordance with pattern marks for pocket location.					

## MIL-J-87037D(NU)

TABLE I - CONSTRUCTION OF JUMPER

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD	
					NDL	BOB/ LPR
	*f. Insert welt piece in the pocket machine with an appropriate size piece of interlining of a type recommended by the machine manufacturer. Stitch welts in such a manner that the welt piece extends less than 3/4 inch above the top welt stitching on the underside of the finished, turned welt, and at least 3/4 inch below the bottom welt stitching.	101 or 301	pocket mchne	10-14 A	50	50
	*g. Turn welts to finished position. Turn lower raw edge of welt under and stitch to pocket piece using caution to avoid distorting welt piece.	301 or 401	LSd-1	12-14	50 50	50 70
	NOTE: Operations 5c, d, and e follow 5h when pouch in 5f is made after the welt is finished.					
	h. Turn down pocket flap to its closed position leaving top of welt piece flat and topstitch through all plies, 1/16 inch above upper welt and 1/16 inch below lower welt the length of the pocket and 1 or 2 stitches beyond the ends of pocket.	301	seam type as described	12-14	50	50
	i. Make a 3/4 inch crowtack at each end of pocket opening as indicated in operation 4g.	Crowtack		126	50	50
	j. Pocket shall measure (inclusive of seam) 5 (+ 1/4) inches wide.			per crowtack		
	k. Pocket flap shall measure 2-1/2 (+ 1/4) inches in vertical length and 5 (+ 1/4) inches wide. Free end of pocket flap shall measure 1-3/4 (+ 1/4) inches in vertical length.					

## MIL-J-87037D(NU)

TABLE I - CONSTRUCTION OF JUMPER

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD	
					NDL	BOB/ LPR
6.	<u>Shoulders.</u>					
	a. Join front to back at shoulders with back on top of front, with a double lapped, double stitched seam.	301 or 401	LSc-2	12-14	50 50	50 70
	OR					
	Join front to back at shoulders by stitching and overedging seam, turning seam toward the back, and double needle topstitching.	515 or 516 or 519 &  301 or 401	LSbm-4	12-14	50 (chnstch) 70 (overedge) 50 50 50	70 70 70
7.	<u>*Make and attach collar.</u>					
	a. Position and stitch combination label on all sides to outside bottom ply of undercollar. The stitching shall not be through the printing. The label shall be centered with the top edge approximately 1 inch from raw neck edge.	301	LSbj-1	12-14	50	50
	b. Stitch 3/8 inch from edge (face to face) neck edge of undercollar to neckline. Clip jumper to stitch line 1/2 inch in front of shoulder seam; press joining seam open and flat in front of clip.	301 or 401	SSa-1	12-14	50 50	50 70
	c. Stitch (face to face) center front ends of top collar together taking a seam 1/4 inch wide at the bottom edge and tapering to a point at the "V" opening.	301 or 401	SSa-1	12-14	50 50	50 70
	d. Stitch (face to face) top collar to undercollar at outer edge and along neck opening 1/4 to 5/16 inch from raw edge and tapering to a point at "V" opening; turn to finished position and topstitch edge 1/16 inch from folded edge.	301 or 401 & 301	SSe-2(a)  SSe-2(b)	12-14	50 50 50	50 70 50

## MIL-J-87037D(NU)

TABLE I - CONSTRUCTION OF JUMPER

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD	
					NDL	BOB/ LPR
	e. Stitch inner edge of top collar to back neckline and front with no bulging or distortion catching the size label in the center back neckline seam. The clipped undercollar seam allowance shall not extend beyond the turned and stitched top collar edge.	301	LSd-1	12-14	50	50
	f. Make a uniform crowsack with 3 pointed rays at the base of the neck opening. The crowsack shall measure $3/4 (+ 1/16)$ inch between tips of the two opposite rays. The crowsack shall be stitched with the center ray pointed vertically toward bottom and the two opposite rays pointed horizontally.	Crowsack		126	50	50
				per crowsack		
	NOTE: The crowsack shall not extend into the topstitching at base of neck.					
8.	<u>Sleeves.</u>					
	a. Set sleeves in armhole with body on top of sleeves with a double lapped, double stitched seam.	301 or 401	LSc-2	12-14	50 50	50 70
	b. Close sleeves and side seams with front on top of back with double lapped, double stitched seam.	301 or 401	LSc-2	12-14	50 50	50 70
	c. As an alternate, operations 8a and 8b may be performed by safety stitching seams right sides together, turning seam toward body (8a) or toward front (8b) and double-needle topstitching.	515 or 516 or 519 & 301 or 401	LSbm-4	12-14	50 (chnstch) 70 (overedge) 50 50	70 70 70
	d. Turn sleeve bottom under $3/8$ to $1/2$ inch and hem sleeves to finish $2 (+ 1/4)$ inches wide.	301 or 401	EFb-1	12-14	50 50	50 70

## MIL-J-87037D(NU)

TABLE I - CONSTRUCTION OF JUMPER

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	THREAD		
				STCH IN	NDL	BOB/ LPR
9.	<u>Bottom hem.</u> *a. Turn bottom under 3/8 to 1/2 inch matching side seams within 1/4 inch and hem bottom to finish 1-1/2 (+ 1/4) inches wide inserting a tape for hanger loop in the hem at each side of the front approximately 1/2 inch from the side seam.	301 or 401	EFb-1	12-14	50	50 50 70
	b. Hanger loops shall have a 1-1/4 (+ 1/4) inches free opening.					
10.	<u>Buttonhole.</u> Buttonhole shall be 5/8 inch long, well made, eyelet end, taper bar type, worked over gimp and centered, 1/2 (+ 1/8) inch from bottom edge of inside pocket flap.	Btntl		46	50	50 per btntl
11.	<u>Button.</u> One 22-line button shall be sewn to hem of inside pocket to correspond with buttonhole on pocket flap.	101 or 304		20-22	24	24 per button 14-16 24 24 per button
12.	<u>Removable size ticket.</u> Attach removable size ticket to outside of lower left sleeve, tacking all four corners.		Hand or mchne	2-4		stitches per tack  6-8 stitches per tack
13.	<u>Cleaning and pressing.</u> a. Trim and remove all loose ends of thread					
	NOTE: Care shall be taken when trimming thread ends that damage to the fabric does not result.					
	b. Remove all shade tickets.					

## MIL-J-87037D(NU)

TABLE I - CONSTRUCTION OF JUMPER

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD		
					NDL	BOB/ LPR	
	c. Turn jumper inside out.						
	*d. Press entire jumper neatly with a heated iron or pressing machine.						
	e. Press creases in collar as follows: Fold collar ends to center and crease; fold collar in half lengthwise and crease (see figure 2).						
	f. Press along top of sleeve and underarm seam so that when turned right side out, creases face inward.						

## MIL-J-87037D(NU)

3.8 Sizes and measurements. Unless otherwise specified, size and measurements for the finished jumper shall be in accordance with Table II (see Figure 1). All measurements and tolerances are expressed in inches.

Table II - Sizes and Measurements

Size	Chest (A)	Bottom (B)	Length (C)			
			S	R	L	XL
30	17	15-1/2	23-1/2	25	27	29
32	18	16-1/2	23-1/2	25	27	29
34	19	17-1/2	23-3/4	25-1/4	27-1/4	29-1/4
36	20	18-1/2	24	25-1/2	27-1/2	29-1/2
38	21	19-1/2	24-1/4	25-3/4	27-3/4	29-3/4
40	22	20-1/2	24-1/2	26	28	30
42	23	21-1/2	24-3/4	26-1/4	28-1/4	30-1/4
44	24	22-1/2	25	26-1/2	28-1/2	30-1/2
46	25	23-1/2	25-1/4	26-3/4	28-3/4	30-3/4
48	26	24-1/2	25-1/2	27	29	31
50	27	25-1/2	25-3/4	27-1/4	29-1/4	31-1/4
52	28	26-1/2	26	27-1/2	29-1/2	31-1/2
Tolerances:						
	$\pm 1/2$	$\pm 1/2$	$\pm 1/2$	$\pm 1/2$	$\pm 1/2$	$\pm 1/2$

Table II - Sizes and measurements (Cont'd)

Size	Sleeve (D)				Collar Width (E)	Collar Depth (F)
	S	R	L	XL		
30	30	31-1/4	32-3/4	34-1/4	10-1/4	9-1/4
32	30-3/8	31-5/8	33-1/8	34-5/8	10-5/8	9-1/4
34	31	32-1/4	33-3/4	35-1/4	11	9-3/8
36	31-3/8	32-5/8	34-1/8	35-5/8	11-3/8	9-3/8
38	31-3/4	33	34-1/2	36	11-3/4	9-1/2
40	32-3/8	33-5/8	35-1/8	36-5/8	12-1/8	9-5/8
42	32-3/4	34	35-1/2	37	12-1/2	9-3/4
44	33-3/8	34-5/8	36-1/8	37-5/8	12-7/8	9-7/8
46	33-3/4	35	36-1/2	38	13-1/4	10
48	34-3/8	35-5/8	37-1/8	38-5/8	13-5/8	10-1/8
50	34-3/4	36	37-1/2	39	14	10-1/4
52	35-1/8	36-3/8	37-7/8	39-3/8	14-1/4	10-3/8
Tolerances:						
	$\pm 1/2$	$\pm 1/2$	$\pm 1/2$	$\pm 1/2$	$\pm 1/4$	$\pm 1/4$

NOTE: Refer to Figure 1 for A, B, C, D, E, and F measurements.

MIL-J-87037D(NU)

A. Chest measurement shall be taken across front at base of armhole from folded edge to folded edge.

B. Bottom measurement shall be taken across bottom from folded edge to folded edge.

C. Center back length measurement shall be taken from the base of the neckline seam to the bottom of the hem.

D. Sleeve measurement shall be taken from the center back at the collar seam, across shoulder to the bottom of the sleeve.

E. Collar width shall be taken at bottom of collar from collar edge to collar edge.

F. Collar length shall be taken from the neckline seam at center back to the finished edge of collar at center.

3.9 Workmanship. The finished jumper shall conform to the quality of product established by this specification. The occurrence of defects shall not exceed the applicable acceptable quality levels.

4. QUALITY ASSURANCE PROVISIONS

\* 4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the contractor may use his own or any other facilities suitable for 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 the specification where such inspections are deemed necessary to assure 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 assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material.

4.1.2 Certificate of compliance. Where certificates of compliance are submitted, the Government reserves the right to check test such items to determine the validity of the certification.

4.2 Classification of inspection. The inspection requirements specified herein are classified as follows:

1. First article inspection (see 4.3).
2. Quality conformance inspection (see 4.4).

MIL-J-87037D(NU)

4.3 First article inspection. When required, the first article submitted in accordance with 3.2 shall be inspected for compliance with design, construction, workmanship, appearance, and dimensional requirements.

4.4 Quality conformance inspection. Inspection shall be performed in accordance with MIL-STD-105, except where otherwise indicated.

4.4.1 Component and material inspection. In accordance with 4.1 above, components and materials shall be tested in accordance with all the requirements of referenced specifications, drawings, and standards unless otherwise excluded, amended, modified, or qualified in this specification or applicable procurement documents.

4.4.2 Examination of the end item. Examination of the end item shall be in accordance with 4.4.2.1 through 4.4.2.2. The applicable inspection levels and acceptable quality levels (AQL's) shall be as indicated in 4.4.2.3. The sample unit shall be one finished jumper. The lot size shall be expressed in units of one jumper.

4.4.2.1 Visual examination. The jumpers shall be examined for defects in color, design, material, construction, workmanship, and marking and the defects classified in accordance with the list below:

## MIL-J-87037D(NU)

Defect	Classification	
	Major	Minor A B
<b>MATERIAL DEFECTS AND WORKMANSHIP DAMAGES</b>		
a. Any hole, cut, tear, smash, burn, drill hole, scorched area, float, or open place	X	
b. Misweave, shading, broken and missing section of yarn, visible mend, thin place, or shade bar	X	
c. Slub, unsightly		X
d. Snag, pulled yarn or needle chew on outside, visible at normal inspection distance		X
*e. Woven-in waste, visible at normal inspection distance		X
<b>SHADED PART(S)</b>		
a. Variation in shade within a part or between parts (except part(s) which may be cut from ends)	X	
b. Part(s) cut from ends poor approximation to shade of jumper		X
<b>CLEANNES</b>		
a. Any spot or stain on outside	X	
b. Any spot or stain on inside		X
c. More than 3 thread ends not trimmed to 1/4 inch or less on outside		X
*d. More than 5 thread ends not trimmed to 1/2 inch or less on inside		X
e. Two or more shade or size markings not removed		X
f. Shade marking readily visible on outside	X	
<b>COMPONENT AND ASSEMBLY</b>		
a. Any component part or operation omitted (unless otherwise classified herein)	X	
b. Any component not as specified	X	
c. Any component part tight, twisted, distorted, pleated, or full (unless otherwise classified herein)		X

## MIL-J-87037D(NU)

Defect	Classification	
	Major	Minor A B
d. Any operation not as specified (unless otherwise classified herein)		X
e. The edge of any component part required to be forced out having folds of more than 1/8 inch (unless otherwise classified herein)		X
<b>CUTTING</b>		
*a. Any component part not cut in accordance with patterns, or not in accordance with specification requirements	X	
<b>PRESSING</b>		
a. Burned or scorched	X	
b. Poorly pressed or pressing omitted		X
c. Collar or sleeves not creased as specified		X
*d. Pressed excessively, forming gloss or discoloration on outside	X	
e. Jumper not turned inside out		X
<b>SEAMS AND STITCHINGS</b>		
a. Accuracy of seaming		
1. Seams twisted, puckered, or pleated on outside	X	
2. Multiple pleats on inside of seam for a distance of more than 1 inch		X
3. Part of garment caught in any unrelated operation or stitching	X	
4. Ends of all seams and stitchings when not caught in other seams or stitchings backtacked less than 1/4 inch, or when 401 stitching is used, required chain extension is lacking		X
*5. Ends of a continuous line of stitching overlapped less than 1/2 inch (except labels)		X
6. Thread breaks not secured or stitching back of the break less than 1/2 inch		X
7. Wrong or varying shades of thread used on outside	X	

## MIL-J-87037D(NU)

Defect	Classification	
	Major	Minor A B
b. Gauge of stitching		
1. Irregular, i.e., unevenly gauged, not uniform		X
2. Beyond range of width specified or varies more than 1/16 inch when no range is specified		X
*3. Edge of topstitching too close to edge, resulting in damage to the cloth	X	
c. Open seams (resulting from 2 or more skipped, broken, run-off, or missing stitches)		
1. On joining seams (includes one or both rows of double-needle stitching)		
- less than 1/4 inch		X
- 1/4 inch to 1/2 inch		X
- more than 1/2 inch	X	
2. On overedging		
- up to 3 inches		X
- more than 3 inches		X
*3. On edge or topstitching		
- up to 1/2 inch on inside		X
- more than 1/2 inch on inside or on outside		X
d. Raw edges		
1. On outside		
- less than 1/8 inch		X
- 1/8 inch to 1/2 inch inclusive		X
- more than 1/2 inch	X	
2. On inside (except overedge stitching)		
- 1/2 inch to 1 inch inclusive		X
- more than 1 inch		X
NOTE: Raw edges not caught in stitching shall be classified as an open seam. Raw edge is classified as such only when it occurs at places where edge is required to be turned under.		
e. Seam and stitch types		
1. Not specified seam or stitch tpe		X
2. Looper thread of 401 stitch type finishing on the outside of the jumper	X	
3. Any line of stitching not beginning or ending where specified (unless otherwise classified herein)		X

## MIL-J-87037D(NU)

Defect	Classification		
	Major	Minor A B	
f. Stitch tension			
1. Loose tension resulting in a loose seam			X
- up to 1/2 inch inclusive			
- more than 1/2 inch up to 3/4 inch inclusive		X	
- more than 3/4 inch	X		
2. Loose tension on top or edgestitching resulting in exposed loose threads			X
3. Tight tension (stitches break when strain is applied in the direction of the seam or stitching)	X		
g. Stitches per inch (Score only when condition for more than 2 inches)			
1. One stitch less than the minimum or 3 or more in excess of the maximum specified			X
2. Two stitches less than the minimum specified		X	
3. Three or more stitches less than minimum specified	X		
CROWTACKS			
*a. Missing, insecure, not as specified, or not serving intended purpose:			
- one crowsack			X
- two crowsacks	X		
b. Measure less than 11/16 inch or more than 13/16 inch between extreme points			X
c. One or more skipped or broken stitches:			
- one crowsack			X
- two crowsacks		X	
d. Crooked, i.e., opposite rays deviate from vertical or horizontal axis, as applicable or causing distortion			X
BUTTON			
a. Missing, loose, or defective			X
b. Not specified type or size			X
c. Button not aligned with buttonhole, causing bulge or twist when buttoned			X

## MIL-J-87037D(NU)

Defect	Classification	
	Major	Minor A B
<b>BUTTONHOLE</b>		
a. Omitted	X	
b. Not specified type or size		X
c. Uncut or partially cut buttonhole		X
d. Buttonhole not securely caught on fabric causing stitching to pull away from fabric	X	
e. End not securely tacked		X
f. Ragged edges		X
g. Gimp omitted		X
h. Purling on the underside		X
i. Off center by more than 1/4 inch		X
j. One or more broken or two or more skipped stitches		X
k. Position from bottom edge of flap:		
- less than 3/8 inch or more than 5/8 inch		X
- less than 1/4 inch or more than 3/4 inch		X
<b>COLLAR</b>		
a. Top collar full, tight, or twisted	X	
b. Collar edge crooked		X
c. Collar or body neckline puckered or pleated at joining seam, visible on outside	X	
d. Improperly set to jumper resulting in incorrect appearance	X	
e. Corners poorly shaped, i.e., angle excessively distorted		X
f. Undercollar exposed along collar edge for a distance of 1 inch or more		X
g. Facing stitching at bottom of neck opening not parallel to bottom hem at one end by more than 1/8 inch		X

## MIL-J-87037D(NU)

Defect	Classification	
	Major	Minor A B
*h. Stitching of top collar and facing to jumper causing distortion, twisting, fullness, or bulging on front, along edge of opening, or at base of "V" on outside	X	
i. Joining seam of undercollar to jumper not pressed open and flat in front of shoulder seam		X
j. Neckline seam allowance not notched in front of shoulder seam, and not spread open and pressed flat		X
k. Notch seam allowance extends beyond the turned and stitched top collar edge resulting in visible raw edge		X
<b>SHOULDER SEAMS</b>		
Fronts lapped over back, or double-needed topstitching on front		X
<b>SLEEVES</b>		
a. Puckered or pleated at armhole seam	X	
b. Back of sleeve lapped on front, or double needed topstitching on back		X
c. Sleeve hem puckered, pleated or twisted		X
d. Width of hem less than 1-3/4 inches or more than 2-1/4 inches		X
<b>SIDE SEAMS</b>		
Back lapped over front, or double needle topstitching on back		X
<b>ARMHOLE SEAMS</b>		
a. Ends of armhole seam staggered at junction, from center to center of seam, by more than 1/2 inch		X
b. Sleeve lapped on body, or double needle topstitching on sleeve		X
<b>POCKET (OUTSIDE WELTS)</b>		
a. Welts irregular in width by more than 1/16 inch within or between welts		X

## MIL-J-87037D(NU)

Defect	Classification	
	Major	Minor A B
b. Set on crooked relative to a straight edge laid perpendicularly across chest, by 1/4 inch or more		X
*c. Out of horizontal alignment with each other by 1/4 inch or more, measured perpendicularly from center of each pocket to bottom of jumper <u>l</u> /		X
d. Opening less than 3-1/4 inches or more than 3-3/4 inches wide, or openings uneven in length by 1/4 inch or more		X
e. Opening gapped more than 1/8 inch at center		X
f. Welts less than 1/16 inch wide or more than 3/16 inch wide		X
g. Top and bottom edges of pocket (above and below welts) not parallel, or less than 1/4 inch or more than 3/8 inch apart		X
h. Stitching along top and bottom edges does not continue 1 or 2 stitches beyond ends of pocket, or extends more than 1/8 inch beyond vertical rays of crowsacks		X
i. Ends of stitching along top and bottom edges not secured in crowsacks		X
j. Raw edges, distortion, gapping, or overlapping at the ends of the welts		X
POCKETS AND FLAP (INSIDE)		
*a. Hem less than 1-1/8 inches or more than 1-5/8 inches wide (right only)		X
b. Pocket less than 4-3/4 inches or more than 5-1/4 inches wide (including seam allowances)		X
c. Flap less than 4-3/4 inches or more than 5-1/4 inches wide (right only)		X
*d. Flap less than 2-1/4 inches or more than 2-3/4 inches in vertical length (right only)		X
*e. Free end of pocket flap less than 1-1/2 inches or more than 2 inches in vertical length at center (right only)		X

## MIL-J-87037D(NU)

Defect	Classification	
	Major	Minor A B
f. Either pocket finishing crooked with respect to a straight edge laid perpendicularly across chest by 1/4 inch or more from one side of pocket to the other		X
g. Total length of pockets deviating in length by 1/4 inch or more, measured from folded top edge to bottom edge at center		X
*h. Distance from top edge of pocket (left side) and flap (right side) to center of pocket opening deviates by 1/4 inch or more <u>1</u> / <sub>4</sub>		X
i. Lower inside edge of welt piece distorted when stitched to pocket		X
j. Top inside edge of welt does not lay flat in fold of flap/top pocket edge		X
k. Stitching of lower edge of welt to pocket catching pocket opening (right only)		X
*l. Distance from bottom of pockets to bottom of jumper deviates by more than 1/4 inch <u>1</u> / <sub>4</sub>		X
<b>BOTTOM HEM</b>		
*a. Bottom edge uneven or bowed with respect to a straight edge laid from side seam to side seam, by more than 1/4 inch		X
b. Puckered, pleated or twisted		X
c. Width less than 1-1/4 inches or more than 1-3/4 inches		X
d. Irregular in width by 1/4 inch or more		X
*e. Side seams not superimposed within 1/4 inch at bottom hem		X
<b>TAPE (HANGER LOOPS)</b>		
a. Omitted or not securely stitched		X
b. Not specified type or size		X
c. Free opening of loop less than 1 inch or more than 1-1/2 inches		X

## MIL-J-87037D(NU)

Defect	Classification	
	Major	Minor A B
d. Misplaced		X
<b>LABELS</b>		
a. Missing, incorrect, or illegible	X	
b. Misplaced		X
c. Stitching sewn through printing		X

\*1/ When the cumulative effect of any of these conditions, not severe enough to be scored individually as defects, produce pockets misaligned by 1/2 inch or more at any point, defect shall be scored as Minor A.

## MIL-J-87037D(NU)

4.4.2.2 Dimensional examination. The jumper shall be examined for defects in dimensions in accordance with the following:

a. Any measurement deviating from nominal dimensions and tolerances specified shall be scored as a size measurement defect.

b. Sleeve lengths unequal in length by 1/2 inch or more shall be scored as a size measurement defect.

4.4.2.3 Inspection levels and acceptable quality levels. The inspection levels and acceptable quality levels (AQL's) expressed in defects per 100 units for visual and dimensional examinations shall be as follows:

	<u>AQL's</u>	<u>Inspection level</u>
For visual examination in 4.4.2.1		
Major	1.5	III
Major, Minor A (Combined)	6.5	III
Total (Major, Minor A, Minor B combined)	15.0	III
For dimensional examination in 4.4.2		
One class	4.0	S-3

4.4.3 Examination of packaging requirements. An examination shall be made to determine that packaging, packing, and marking comply with Section 5 requirements of this specification. Defects shall be scored in accordance with the list below. The sample unit shall be one shipping container fully prepared for delivery. Defects of closure listed below shall be examined on shipping containers fully prepared for delivery. The lot size shall be on the number of shipping containers in the end item inspection lot. The inspection level shall be S-2 and the AQL shall be 2.5 defects per hundred units.

<u>Examine</u>	<u>Defect</u>
Marking (exterior and interior)	Omitted, incorrect, illegible, of improper 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, inadequate stapling, bulged or distorted container.
Content	Number of jumpers per shipping container is more or less than required. <u>2/</u> Size shown on one or more items not as specified on shipping container. <u>1/</u>

1/ For this defect, one item from each shipping container in sample shall be examined.

2/ One shipping container in the sample shall be examined.

## MIL-J-87037D(NU)

4.4.4 Palletization examination. An examination shall be made to determine that the palletization complies with the section 5 requirements. Defects shall be scored in accordance with the list below. The sample unit shall be one palletized unit load fully packaged. The lot size shall be the number of palletized unit loads in the end item inspected lot. The inspection level shall be S-1 and the AQL, expressed in terms of defects per hundred units, shall be 6.5 in accordance with MIL-STD-105.

<u>Examine</u>	<u>Defect</u>
Finished dimensions	Length, width, or height exceeds specified maximum requirements.
Palletization	Pallet pattern not as specified. Interlocking of loads not as specified. Load not bonded with required straps as specified.
Weight	Exceeds maximum load limits.
Marking	Omitted, incorrect, illegible, of improper size, location, sequence, or method of application.

## 5. PACKAGING

5.1 Preservation-packaging. Preservation packaging shall be level A or C (see 6.2).

5.1.1 Level A. Each jumper shall be folded and packaged as follows:

- (1) Lay jumper flat, front up (inside out)
- (2) Fold sleeves straight across the chest with the cuffs folded back approximately 6 inches.
- (3) Fold jumper in half by placing one shoulder on top of the other. The folded jumper shall measure approximately 11-1/2 inches.
- (4) Fold bottom of jumper up so that the folded length is approximately 15 inches.
- (5) Fold collar forward so that it lays on folded bottom of jumper.
- (6) Each folded jumper shall be individually packaged in a snug fitting flat style clear polyethylene bag of 0.00125 inch thickness (+ 20% tolerance). The bag shall be formed with heat sealed seams that are straight, continuous, and parallel to each other and the formed edges of the bag. The final closure of the bag shall be heat sealed with the heat seal made as close as possible to the open end. A 1/4 inch diameter hole shall be made at one corner of each polyethylene bag to allow excess air to escape. The final closure of the polyethylene bag is not permitted to be accomplished by means of a tuck or reverse flap.

5.1.2 Level C. Jumpers shall be preservation-packaged to afford adequate protection against deterioration and physical damage during shipment from the supply source to the first receiving activity. The package and the quantity per package shall be the same as that normally used by the contractor for retail distribution.

## MIL-J-87037D(NU)

5.2 Packing. Packing shall be level A, B, or C (see 6.2).

\*5.2.1 Level A. Sixteen (16) jumpers of one size and length only, packaged as specified in 5.1.1 shall be packed in a fiberboard shipping container assembled and closed conforming to class weather-resistant, type CF, variety DW, grade V15c, size 2A of MIL-B-17757. The fiberboard for the liner shall conform to type CF, class domestic and be in accordance with MIL-B-17757. Level A package shall be packed flat one in width, two in length and eight in depth, with the length of the bags parallel to the end panels of the box. Each container shall have the contents completely covered on the top and bottom with a sheet of commercial grade kraft paper.

\*5.2.2 Level B. Sixteen (16) jumpers of one size and length only, packaged as specified in 5.1.1 shall be packed in a fiberboard shipping container assembled and closed conforming to type CF, class domestic, grade 200, variety DW, size 2A of MIL-B-17757. The fiberboard for the liner shall conform to type CF, class domestic and be in accordance with MIL-B-17757. Level A packages shall be packed flat one in width, two in length, and eight in depth, with the length of the bags parallel to the end panels of the box. Each container shall have the contents completely covered on the top and bottom with a sheet of commercial grade kraft paper.

5.2.3 Level C. Jumpers of one size and length only, preserved-packaged as specified in 5.1, shall be packed in a manner to insure carrier acceptance and safe delivery at destination at the lowest transportation rate for such supplies. The quantity per shipping container shall be the same as that normally used by the contractor for retail distribution. Containers shall comply with the US Postal Service Manual, Uniform Freight Classification Rules or National Motor Freight Classification Rules, as applicable.

5.3 Marking. In addition to any special marking required by the contract or order, and shipping containers shall be marked in accordance with MIL-STD-129.

5.3.1 Special marking. Polyethylene packaged jumpers shall have the following information legibly printed or stamped in black directly on the bag or on a white paper label inserted within the bag so as to permit ready identification:

STOCK NUMBER  
NOMENCLATURE  
SIZE  
LENGTH  
QUANTITY

## MIL-J-87037D(NU)

5.4 Palletization. When specified (see 6.2) item packed as specified shall be palletized on a 4-way entry pallet in accordance with load type Ia of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means C, K, and L or O or P. Pallet pattern shall be in accordance with the appendix of MIL-STD-147. The pallet shall be 4-way, type IV; type V, class 1, size 2; or type VIII, fabricated from wood group I, II, III or IV, grade A of NN-P-71, or 4-way, style 1, size A, type I, class 1 fabricated from wood groups specified of MIL-P-15011. Interlocking of loads shall be effected by reversing the pattern of each course. If the container is of a size which does not conform to any of the patterns specified in MIL-STD-147, the pallet pattern used shall be approved by the contracting officer.

## 6. NOTES

\* 6.1 Intended use. The jumpers covered by this specification are intended for use by Navy enlisted men as part of the service dress white uniform.

6.2 Ordering data. Procurement documents should specify the following:

- a. Title, number, and date of this specification
- b. Size and length required (see 1.2).
- c. Whether first article inspection is required (see 3.2). When required, the item tested should be a first article sample. The contracting officer should include specific instructions in acquisition documents regarding arrangements for examinations, quantity, and testing and approval of the first article sample.
- d. Levels of packaging and packing required (see 5.1 and 5.2).
- \*e. When palletization is required (see 5.4).

6.3 Samples and patterns. For access to samples and patterns, address the procuring activity issuing the invitation for bids.

\* 6.4 Changes from previous issue. The margins of this specification are marked with an asterisk 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 irrespective of the marginal notations and relationship to the last previous issue.

\* 6.5 Subject term (key word) listing.

Cloth, twill, polyester white  
 Jumper, men's  
 Uniform, men's

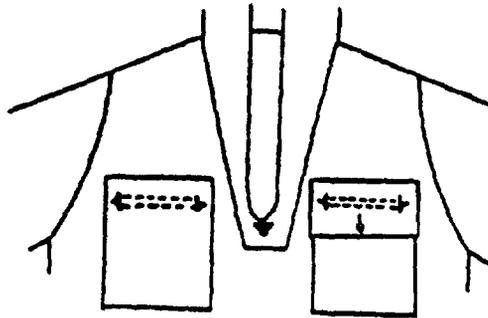
Custodian:  
 Navy - NU

Preparing Activity:  
 Navy - NU

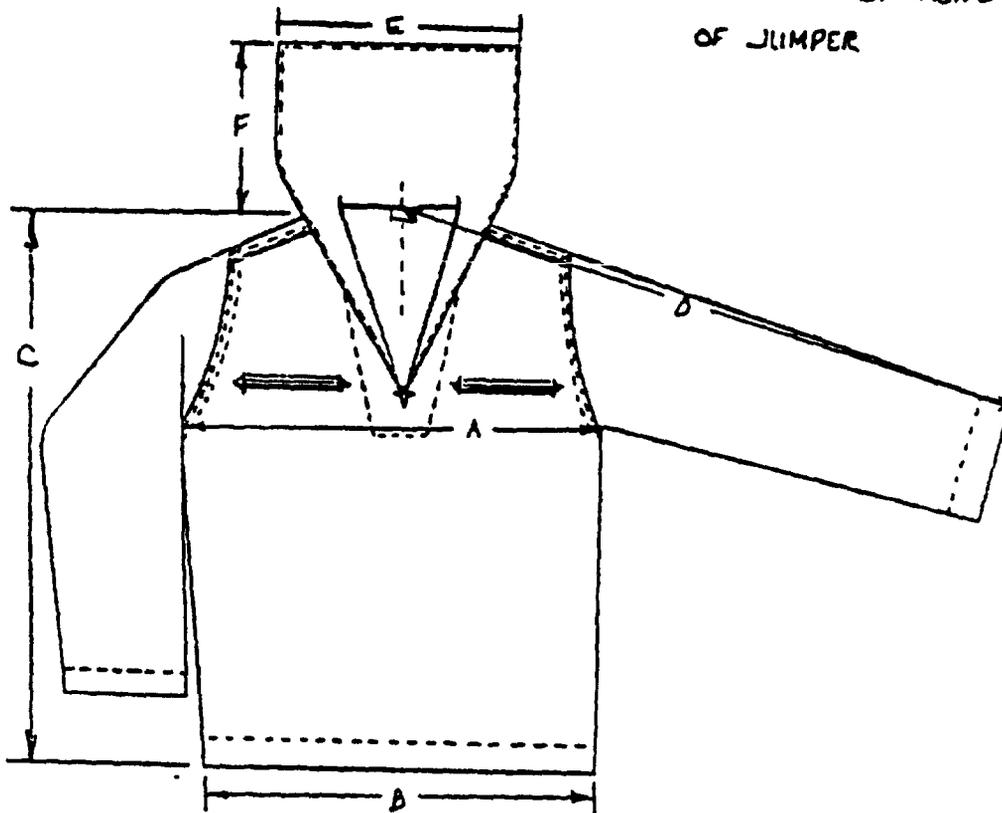
Review Activity:  
 DLA - CT

Project No. 8405-N009

MIL-J-87037D(NU)



POCKET DETAIL ON INSIDE  
OF JUMPER



\* FIGURE 1- JUMPER, MAN'S, WHITE

MIL-J-87037D (NU)

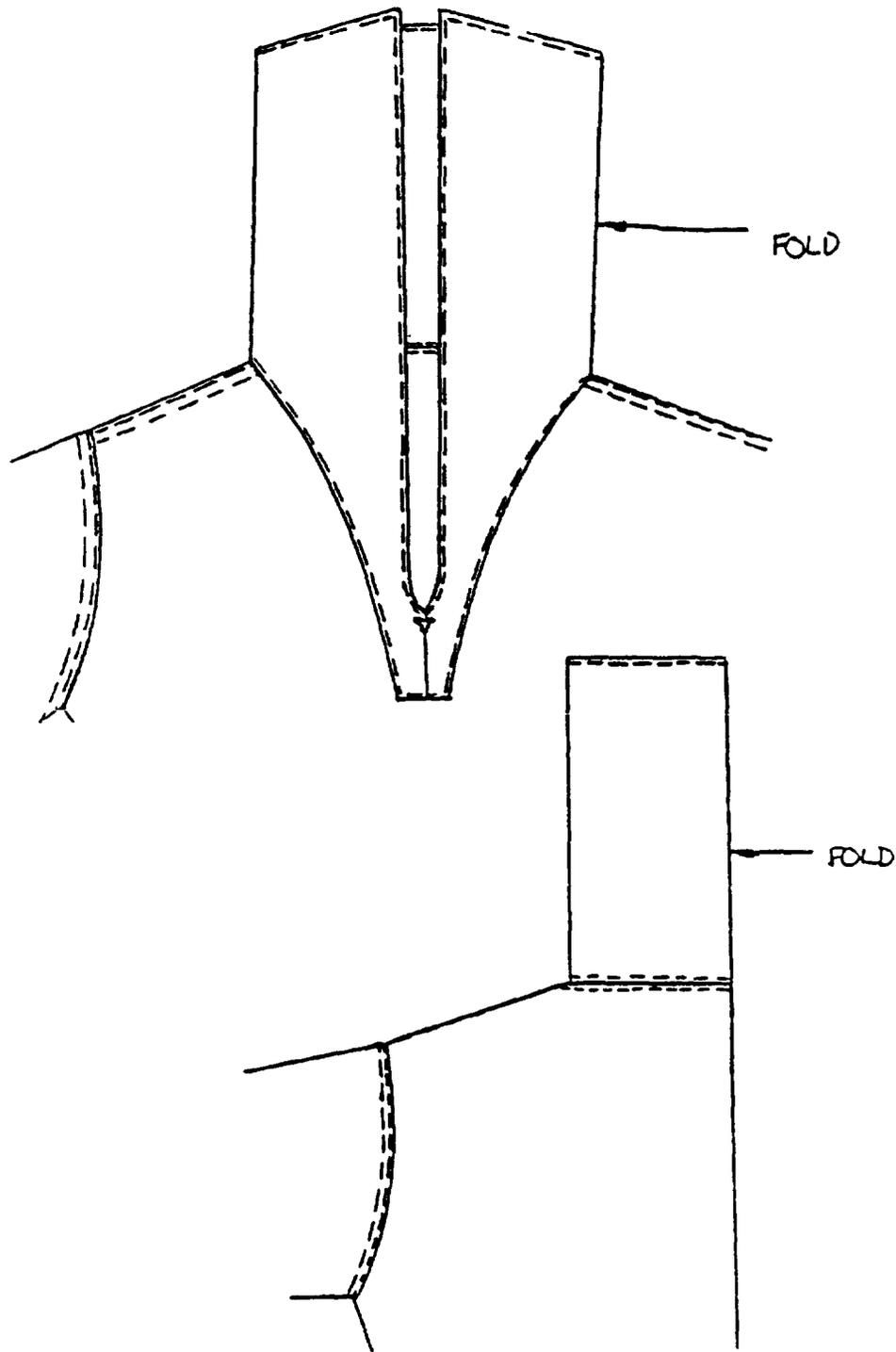


FIGURE 2- JUMPER, MAN'S, WHITE

**INSTRUCTIONS:** In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (*DO NOT STAPLE*), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

**NOTE:** This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification 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.

(Fold along this line)

(Fold along this line)

DEPARTMENT OF THE NAVY



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

**BUSINESS REPLY MAIL**  
FIRST CLASS PERMIT NO. 12503 WASHINGTON D C

POSTAGE WILL BE PAID BY THE DEPARTMENT OF THE NAVY

Officer in Charge  
Navy Clothing & Textile Research Facility  
21 Strathmore Road (Code 50)  
Natick, MA 01760-2490

