

HEADQUARTERS
PHILIPPINE ARMY
OFFICE OF THE ARMY QUARTERMASTER
Fort Andres Bonifacio, Metro Manila

PA SPECIFICATION

QM SPEC NR IC-21PAPBDU
w/ AMENDMENT 2

02 JUN 2022

(Interim)
SUPERSEDING
QM SPEC NR IC-21PAPBDU
Dated 16 March 2017
w/ Amendment 1 dated
19 February 2019

PHILIPPINE ARMY PATTERN (PHILARPAT)
BATTLE DRESS UNIFORM (BDU) with BALL CAP

1. SCOPE

1.1 Scope – This specification covers one (1) type of Philippine Army Pattern (PHILARPAT) Battle Dress Uniform and Ball Cap for use of military personnel of the Philippine Army.

1.2 Grade – The finished PHILARPAT, BDU with Ball Cap shall conform to the quality and grade of product prescribed by this specification.

1.3 Size – The sizes and measurements of the finished coat, trouser and cap are as shown in the attached Tables of Finished Sizes and Measurements (Tables I, II and III).

2. REQUIREMENTS

2.1. First Article – One (1) set of PHILARPAT, BDU and Ball Cap shall be submitted to the Office of the Army Quartermaster for first article inspection in accordance with para 3.1.

2.2. Materials

2.2.1. Basic Material – The basic material shall be a blend of 85% \pm 5 cotton and 15% \pm 5 polyester fabric with the following construction requirements:

2.2.1.1. Pattern – The basic material shall be printed with Philippine Army Pattern (PHILARPAT) design as shown in the attached illustrations (Figure 1 - 5). The pattern shall be characterized by the natural geometric shapes using color of dark green (Figure 5); black (Figure 4); light green (Figure 3); and beige (Figure 2) color combinations with beige as the base color of the fabric. One (1) complete pattern shall have four (4) Philippine Army logos as shown in the attached illustration. The size of the Philippine Army logo is 1.3 ± 0.1 cm in height and 1.1 ± 0.1 cm in width (Figure 6). The scale of the complete pattern shall be 76.2 ± 2.0 cm in length and 76.2 ± 2.0 cm in width. The pattern shall continuously repeat along the length and the width of the fabric.

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2.2.1.2. Physical Requirements

Type of Weave	-	Twill with ripstop design
Ripstop Design, cm		
Length	-	0.6 ± 0.1
Width	-	0.6 ± 0.1
Thread Count/2.54 cm:		
Warp	-	130 (minimum)
Filling	-	70 (minimum)
Yarn Size, Denier (Fine)		
Warp	-	160 (minimum)
Filling	-	160 (minimum)
Yarn Size, Denier (Coarse)		
Warp	-	600 (minimum)
Filling	-	750 (minimum)
Weight, g/m ²	-	200 (maximum)
Thickness, mm	-	0.30 - 0.35
Breaking Strength, kg (Grab Method)		
Warp	-	70 (minimum)
Filling	-	35 (minimum)
Tearing Strength, kg (Tongue Method)		
Warp	-	4.5 (minimum)
Filling	-	4.5 (minimum)
Flex Abrasion Resistance (Nr of cycles until rupture)		
Warp	-	9,000 (minimum)
Filling	-	9,000 (minimum)
Dimensional Change, %		
Warp	-	3 (maximum)
Filling	-	3 (maximum)
Colorfastness	AATCC Gray Scale Rating	
	Change in Color	Staining
Laundering	Grade 4 (min)	Grade 4 (min)
Perspiration	Grade 4 (min)	Grade 4 (min)
Color Quality		
Color Difference	-	1.5 (maximum)

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2.2.2. Cloth Finish – The finished cloth shall be free from runs and shall be clean with all spots and stains completely removed. The reverse side shall be Beige in color and the ripstop thread color shall also be Beige.

2.2.3. Thread – The sewing thread shall be made of nylon or polyester yarns, olive drab, 2 ply (minimum) and 220 denier (minimum) with a minimum breaking strength of 1 kg.

2.2.4. Buttons – The buttons shall be made of high-grade plastic, four-hole construction type, olive drab (OD) in color, 1.8 to 2.0 cm in diameter and a minimum thickness of 0.3 cm. There shall be five (5) buttons provided on the coat and one (1) button for the trouser.

2.2.5. Zipper – The closure for the breast pocket of the coat shall be made of nylon, No. 3 - 4, olive drab (OD) in color while for the flies of the trousers shall be made of brass, No. 4 - 5.

2.3. Construction

The PHILARPAT, BDA and Ball Cap shall be manufactured with the use of all the operations described in the succeeding paragraphs. The contractor/manufacturer is not required to follow the operation sequence as listed.

2.3.1. Coat, Long Sleeves

2.3.1.1. Cutting – The coat shall be cut in accordance with the design shown in the attached illustration.

2.3.1.2. Facings, Left and Right Front – The left and right front facing of the coat shall be made of the basic material, one-piece, folded and set in place with the collar and the bottom hem stitching and shall have a finished measurement of 6.0 ± 0.3 cm from the folded vertical edges. It shall have an olive drab velcro tape (loop), 2.5 ± 0.2 cm wide and 6.0 ± 0.2 cm long, as provision for placement of the rank patch. The top edge of the Velcro tape shall be aligned at the inner pointed edge of the breast pocket as illustrated.

2.3.1.3. Flap, Breast Pocket – The flaps of the breast pocket shall be cut from the basic material of double thickness and shall be set and sewed with double rows of stitching to the correct form and size as illustrated. It shall have a finished depth of 5.0 ± 0.2 cm along the inner edge, 6.5 ± 0.2 cm on the longest portion and 4.0 ± 0.2 cm along the outer edge with a width corresponding to the width of the pocket. The back portion of the breast pocket flap shall be provided with olive drab Velcro tape (hook), 2.5 ± 0.2 cm wide and 8.0 ± 0.2 cm long. It shall be sewed 1.0 ± 0.2 cm above the top edge of the breast pocket with the ends of flaps securely bartacked.

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2.3.1.4. Pocket, Breast – The breast pockets shall be cut from the basic material and creased in with an edge-turning machine to ensure uniformity of size and shape. There shall have two (2) breast pockets set and sewed in diagonal position forming 15° to 20° angle with double rows of stitching as illustrated. The dimensions of breast pockets shall be in accordance with the attached Table of Finished Sizes and Measurement (Table I). It shall have an additional pocket at the front provided with olive drab (OD) nylon zipper, no. 3 - 4, set and sewed 2.5 ± 0.2 cm from the outer edge of the breast pocket as illustrated. The breast pocket shall be provided with olive drab Velcro tape (loop), 2.5 ± 0.2 cm wide and 8.0 ± 0.2 cm long for closure, set and sewed to match the olive drab (OD) Velcro tape (hook) of the flap of the breast pocket.

2.3.1.5. Flap Sleeve Pocket – The sleeve pockets flap shall be one piece cut from the same material of double thickness, set and sewed with double rows of stitching to the correct form and size as illustrated. The sleeve pocket flap shall have a finished depth of 4.5 ± 0.2 cm on both inner and outer edge, tapered on both sides as illustrated to form a depth of 6.0 ± 0.2 cm with a width corresponding to the width of the sleeve pocket. The front portion of the sleeve pocket flap shall be provided with olive drab Velcro tape (loop), 4.5 ± 0.2 cm wide and 9.5 ± 0.2 cm long, sewed along the bottom edge of the flap. The back portion of the sleeve pocket flap shall be provided with olive drab Velcro tape (hook), 2.5 ± 0.2 cm wide and 9.5 ± 0.2 cm long. It shall be sewed 1.0 ± 0.2 cm above the top edge of the sleeve pocket with the ends of flap securely bartacked.

2.3.1.6. Pocket, Sleeve – The sleeve pocket shall be one piece cut from the basic material and creased in with an edge-turning machine to ensure uniformity of size and shape. There shall have two (2) sleeve pockets set and sewed in upright position with double rows of stitching. The dimensions of sleeve pocket shall be in accordance with the attached Table of Finished Sizes and Measurement (Table I). It shall be provided with olive drab Velcro tape (loop), 9.5 ± 0.2 cm wide and 14.2 ± 0.2 cm long for attachment of patches.

2.3.1.7. Pen Pocket – The pen pocket shall be cut from the basic material and creased in with an edge-turning machine to ensure uniformity of size and shape. There shall have two (2) pen pockets set and sewed in upright position on the left arm sleeve with double rows of stitching. The dimensions of pen pocket shall be in accordance with the attached Table of Finished Sizes and Measurements (Table I).

2.3.1.8. Sleeves – The sleeves shall be cut from the basic material. It shall be sewed with double-lapped and double-locked stitch seam.

2.3.1.9. Sleeve Padding – The padding of the sleeves elbow shall be from the same material as the coat and shall be creased in with an edge-turning machine to insure uniformity of size and shape. The two (2) sleeves shall have padding with appropriate dimensions in accordance with the attached Table of Finished sizes and measurements (Table 1) are to be patched at the center of the elbow sleeves. Elbow padding shall be double row stitched 0.7 cm apart.

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2.3.1.10. Velcro Tape for Name Cloth and ARMY Monogram Patch - The coat shall be provided with OD Velcro tape (loop) for the Name Cloth and ARMY Monogram Patch. It shall be 2.5 ± 0.2 cm wide and 13.5 ± 0.2 cm long. It shall be sewed directly on top of the each breast pocket flaps as illustrated.

2.3.1.11. ARMY Monogram Patch - The coat shall be provided with ARMY monogram patch embroidered on a dark green colored fabric having the same shade with the dark green color of the basic material using black thread in Arial font size 70. The patch shall be 2.5 ± 0.2 cm wide and 13.5 ± 0.2 cm long and provided with Velcro tape (hook) having the same dimension as the patch for attachment on top of the left breast pocket flap.

2.3.1.12. Cuffs - Each cuff shall be one piece cut from the basic material of double thickness formed to the correct size and shape with one end having a pointed extension and sewed with double rows of stitching along the edge of the sleeve opening and 4.0 ± 0.2 cm from the edge of the cuff sewed vertically as illustrated. The dimensions of cuff shall be in accordance with the attached Table of Finished Size and Measurements (Table I). It shall be provided with olive drab (OD) Velcro tape (hook), 5.0 ± 0.3 cm wide and 8.0 ± 0.3 cm long, sewed from the end of the pointed extension as illustrated. An olive drab (OD) Velcro tape (loop), 5.0 ± 0.3 cm wide and 14.0 ± 0.3 long, shall be sewed on the sleeve opening 6.0 ± 0.2 cm from the setting of the cuff for quick and easy adjustment and it shall be aligned with Velcro tape (hook) on the cuffs.

2.3.1.13. Adjustable Back Strap - Each adjustable strap shall be one piece cut from the basic material doubly folded and formed to correct size and shape with one end having a pointed extension and sewed with double rows of stitching as illustrated. The dimensions of adjustable back strap shall be in accordance with the Table of Finished Size and Measurements (Table I). It shall be provided with olive drab Velcro tape (hook) 5.0 ± 0.3 cm wide and 7.0 ± 0.2 cm long, sewed from the end of the pointed extension. An olive drab Velcro tape (loop), 5.0 ± 0.3 cm wide and 12.5 ± 0.5 cm long shall be sewed on the back of the coat 5.0 ± 0.2 cm from the setting of the adjustable back strap for quick and easy adjustment. The Velcro tape (loop) on the back of the coat shall be aligned with the Velcro tape (hook) on the adjustable back strap.

2.3.1.14. Back Expansion Flap - The coat shall have back expansion flap made from the basic material as the coat and sewed with double rows of stitching. The dimension shall be in accordance with the attached Table of Finished Sizes and Measurement (Table I).

2.3.1.15. Hem, Coat - The bottom of the coat shall be turned up with raw edge turned under and stitched through the coat with hem to measure 2.5 ± 0.2 cm wide.

2.3.1.16. Seams, Shoulder - Join collar and front pieces into double-lapped and double-locked stitch seams minimum of 0.5 cm in gauge.

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2.3.1.17. Seams, Side and Underarm – Join side and underarm seams with double-lapped and double-locked stitch seams minimum of 0.5 cm in gauge.

2.3.1.18. Collar – The collar shall be one piece cut from the basic material of double thickness. The collar shall be set into convertible types: sports and mandarin (stand-up collar) design. The collar leaf shall measure 5.3 ± 0.2 cm at the point and at the center. The left collar leaf shall have an extension of 5.5 ± 0.2 cm long and provided with olive drab Velcro tape (loop) 2.5 ± 0.2 cm wide and 5.0 ± 0.2 cm long, as illustrated. The left collar leaf in stand-up collar position (mandarin collar) shall be provided with olive drab Velcro tape (loop) 2.5 ± 0.2 cm wide and 2.5 ± 0.2 cm long, positioned to match the Velcro tape (hook) sewn on the extension portion when folded. The right collar leaf in mandarin collar position shall be provided with olive drab Velcro tape (hook) 2.5 ± 0.2 cm wide and 5.0 ± 0.2 cm long and sewed to match the Velcro tape (loop) sewn on the left collar leaf extension as illustrated.

2.3.1.19. Join Collar to Coat – Single-stitch one-ply of lay to neck of coat to hold. Turn in bottom edges of the collar and single stitch through collar and coat.

2.3.1.20. Buttonholes, Front – The coat shall have five (5) front buttonholes. The first buttonhole shall be set 2.0 ± 0.3 cm from the edge of the buttonhole fly and make all buttonholes with their centerline set 2.0 ± 0.2 cm from vertical edges and they shall be spaced evenly.

2.3.1.21. Buttonholes – All buttonholes shall be well worked to fit all buttons with their ends securely tacked.

2.3.1.22. Buttons – The buttons shall be sewed to fit the buttonholes of the left fly with at least seven (7) stitches between holes, and shall be well locked to avoid raveling of stitches and loosening of the button.

2.3.1.23. Patch – The coat shall be provided with Philippine Army patch in subdued color. It shall be provided with Velcro tape (hook) on the entire back of the patch. The color and dimension of the patch is as illustrated.

2.3.2. Trousers

2.3.2.1. Cutting – The trousers shall be cut to the design shown in the attached illustration.

2.3.2.2. Cutting Lining and Pocket – The waistband lining may be cut along or across the direction of the warp. The pockets shall be cut along the direction of the warp. The right fly lining shall be finished with the face of the material on the outside. Waistband and all pockets shall be finished with face of the material fronting the outside.

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2.3.2.10. Join Crotch Seam – Turn crotch seam of right front to the outside and stitch 0.32 cm on edge catching the right fly lining extension piece. Turn edge of left front crotch seam to inside and double-lock stitch catching the right front crotch seam with both rows of stitching through right fly lining.

2.3.2.11. Lining, Pocket – Side pocket and hip pocket linings shall be made from the same material. The measurement shall be as follows:

(FROM TOP WAISTBAND FOR SIDE POCKET)

LENGTH, CM		WIDTH, CM	
SIDE POCKET	HIP POCKET	SIDE POCKET	HIP POCKET
30 ± 0.5	27 ± 0.5	17 ± 0.5	18 ± 0.5

2.3.2.12. Join Outseam – The outseam shall be double-lapped and double lock stitched seam 0.5 ± 0.1 cm in gauge with the front of the trousers on top.

2.3.2.13. Join Inseam and Seat Seam – Join inseam and seat seam with a double-lapped and double-stitched seam of not less than 0.7 cm in gauge; the joining of front inseams shall be on top of back inseams. Outlet to waist shall be stitched across the top.

2.3.2.14. Buttock Padding – Buttock padding dimensions shall be as prescribed in the attached Table of Finished Sizes and Measurements (Table II). The padding shall be made of the basic material as the trousers stitched with double rows of stitching, 0.7 ± 0.1 cm apart, as illustrated.

2.3.2.15. Knee Padding – The knee padding shall be made of the same material as the trouser stitched with double rows of stitching 0.7 ± 0.1 cm apart and with pleats, both in the center edge as illustrated. The width shall be aligned and sewed along the edge of outseam and inseam. The length prescribes in the attached Table of Finished Sizes and Measurements (Table II).

2.3.2.16. Straps, Adjustable with Double-Bar Tongueless Buckle – The straps shall be one piece cut from the same material of double thickness formed to correct size and shape, 1.8 ± 0.2 cm wide and 12.0 ± 0.5 cm long. The double bar tongueless buckle shall be made of brass, with a minimum thickness of 1 mm, 2.0 ± 0.2 cm width and 2.5 ± 0.2 long, as illustrated.

2.3.2.17. Loops, Belt – The belt loops shall be double folded made of the same material as the trousers. They shall be single-stitched not less than 0.3 cm in gauge and with bartack as shown in attached illustration. The belt loops shall measure 5.0 ± 0.2 cm wide and 6.0 ± 0.2 cm long between bartacks. There shall be five (5) belt loops located as follows: two (2) in front of the trousers, set 7.0 ± 0.5 cm each to right from the center of the waistband button and to the left from the center of the waistband buttonhole, one (1) each along the side, and one (1) aligned at the center of the buttock padding as illustrated.

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2.3.2.18. Finished End of Right Fly and Top of Left Fly – The ends of the waistband lining shall be turned in and stitched to the edge of the right fly. Continue the left fly stitching to the top of the trousers with the waistband lining under the left fly. Continue top waistband lining stitch to the edge of the left fly and the bottom waistband stitching to the left fly stitching.

2.3.2.19. Buttonhole, Waistband – The buttonhole on top of left fly shall be at the center of the waistband, between the double rows of stitching, 2.0 ± 0.2 cm from the vertical edge of the left fly and shall be securely tacked.

2.3.2.20. Button, Trousers – Sew button of the trousers on the outside of the waistband at the top of the right fly in line with the metal zipper.

2.3.2.21. Hem, Bottom of Trousers – The bottom hem of the trousers shall be turned-up with raw edge turned under and stitched through the trousers with hem to measure based on the attached Table of Finished Sizes and Measurements (Table II).

2.3.3. Ball Cap, Philippine Army Pattern (PHILARPAT)

2.3.3.1. Cutting – The ball cap shall be cut in accordance with the design shown in the attached illustration. All component parts of the cap to include the lining and the inner lining shall be cut from the same material. Every piece of material shall be cut accordingly the same as shown in the attached illustration to prevent sagging, twisting, ridding up to insure better wear.

2.3.3.2. Visor Stiffener – The visor stiffener shall be made of hard plastic with a minimum thickness of 2.5 cm.

2.3.3.3. Sewing – All stitching for hems shall be from 9 to 10 stitches per 2.54 cm.

2.3.3.4. Top Hood – The circular edge of the top hood of the Ball Cap shall be sewn to retain and accentuate the circular shape of the top hood, as illustrated.

2.3.3.5. PA Seal – The PA Seal shall be sewed at the center front of the cap by aligning the lower edge of the circle to the upper edge of the headband lining. It shall be in subdued color and the dimensions, as shown in the attached illustration.

2.3.3.6. Wrap Around Headband Stiffener – The wrap around headband stiffener shall be made of double thickness of the same basic material.

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2.4. Workmanship

2.4.1. Finish – The PHILARPAT, BDU with Ball Cap shall be clean, well finished, well pressed and free from any defect or blemish which may affect its appearance or serviceability. Overall workmanship shall be the best known to the trade. Poor sewing or workmanship shall be sufficient ground for rejection of the finished item.

2.4.2. Stitches – Unless otherwise specified, the number of stitches on the seams and other stitching shall be 4-5 stitches per cm, 40-46 stitches per buttonhole and 36-42 stitches per bartack. Double-lapped seams and double lockstitch Type 401 for all joining seams is preferred. Other seams and stitch types are also acceptable provided that the serviceability and appearance of the finished item is not affected.

2.4.3. Design – The design of the PHILARPAT, BDU with Ball Cap shall be as shown in the attached illustrations.

2.4.4. Labels for Coat, Trousers and Cap

2.4.4.1. Label for Coat – Each coat shall have a label imprinted on the center of the inside back of coat 1 to 1.5 cm down from the collar joining seam using black paint or ink, Arial font, boldface, size 14 for the words “**FOR PHILIPPINE ARMY USE ONLY**” and size 12 for the rest of the label data. The contents for every size label shall be as follows:

X-SMALL SHORT

Height: Up to 5'1"
Chest: Up to 39 in

SMALL REGULAR

Height: From 5'6" to 5'9"
Chest: From 40" to 42"

MEDIUM SHORT

Height: 5'2" to 5'5"
Chest: From 43" to 45"

MEDIUM LONG

Height: From 5'9" to 6'3"
Chest: From 43" to 45"

LARGE REGULAR

Height: From 5'6" to 5' 9"
Chest: From 46" to 48"

X-LARGE LONG

Height: 6'3" & up
Chest: From 48" to 50"

SMALL SHORT

Height: 5'2" to 5'5"
Chest: From 40" to 42"

SMALL LONG

Height: From 5'9" to 6'3"
Chest: From 40" to 42"

MEDIUM REGULAR

Height: From 5' 6" to 5'9"
Chest: From 43" to 45"

LARGE SHORT

Height: 5'2" to 5'5"
Chest: From 46" to 48"

LARGE LONG

Height: From 5'9" to 6'3"
Chest: From 46" to 48"

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Date Manufactured:
Name of Manufacturer:
Lot No.: Project Qty:

FOR PHILIPPINE ARMY USE ONLY
UNAUTHORIZED USE IS PUNISHABLE BY LAW

2.4.4.2. Label for Trousers – Each trouser shall have a label imprinted on the inside of right side pocket using black paint or ink, Arial font, boldface, size 14 for the words “**FOR PHILIPPINE ARMY USE ONLY**” and size 12 for the rest of the label data. The contents for every size label shall be as follows:

X-SMALL SHORT

Waist: Below 31”
Outseam: 94 cm

SMALL SHORT

Waist: From 32” to 34”
Outseam: 102 cm

SMALL REGULAR

Waist: From 32” to 34”
Outseam: 107 cm

SMALL LONG

Waist: From 32” to 34”
Outseam: 112 cm

MEDIUM SHORT

Waist: From 35” to 37”
Outseam: 102 cm

MEDIUM REGULAR

Waist: From 35” to 37”
Outseam: 107 cm

MEDIUM LONG

Waist: From 35” to 37”
Outseam: 112 cm

LARGE SHORT

Waist: From 38” to 41”
Outseam: 102 cm

LARGE REGULAR

Waist: From 38” to 41”
Outseam: 107 cm

LARGE LONG

Waist: From 38” to 41”
Outseam: 112 cm

X-LARGE LONG

Waist: From 42” to 44”
Outseam: 112 cm

PHILIPPINE ARMY PATTERN (PHILARPAT), BDU
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Date Manufactured:
Name of Manufacturer:
Lot No.: Project Qty:

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FOR PHILIPPINE ARMY USE ONLY

UNAUTHORIZED USE IS PUNISHABLE BY LAW

2.4.4.3. Label for Ball Cap – Each ball cap shall have a label imprinted on the inside top portion of the cap using white paint or ink, Arial font, size 12. The contents shall be as follows:

PHILIPPINE ARMY PATTERN (PHILARPAT), BALL CAP
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Date Manufactured:

Name of Manufacturer:

Size:

Lot No.:

Project Qty:

2.4.4.4. Washing Instruction Tag – Each BDU shall be provided with a washing instruction tag printed on a tag stock, 5.5 ± 0.2 cm high and 9.0 ± 0.2 cm wide, using Arial font, size 12, boldface for the words “**PHILIPPINE ARMY PATTERN (PHILARPAT), BDU**”, black in color. The contents shall be as follows:

(Front)

PHILIPPINE ARMY PATTERN (PHILARPAT)
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WASH INSIDE OUT
USE MILD DETERGENT
DO NOT BLEACH/STARCH
RINSE THOROUGHLY
DO NOT DRY ON DIRECT SUNLIGHT

(Back)

PHILIPPINE ARMY PATTERN (PHILARPAT)
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BALIGTARIN BAGO LABHAN
GUMAMIT NG BANAYAD NA SABON
HUWAG GAMITAN NG PANGKULA/GAWGAW
BANLAWANG MABUTI
HUWAG IBILAD SA ARAW

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3. VERIFICATION

3.1. First Article Inspection – The first article submitted in accordance with para 2.1 shall be subjected to first article inspection and approval as against the bid sample. The samples shall be subjected to tests and examination to verify if the requirements in para 2.2 to 2.3 are satisfied, with reference to the attached test parameters and classification of defects for this document.

3.2. Sampling

3.2.1. Sample of materials, components and other items used in the manufacture of PHILARPAT, BDU with Ball Cap shall be taken at random from time to time by PA inspectors for the purpose of examination and test to determine compliance with the requirements of this specification.

3.2.2. Pre-Production Sample – Before actual production is commenced, unless otherwise specified, one (1) finished sample of the PHILARPAT, BDU and Ball Cap shall be submitted to RDC, ASCOM, PA for verification whether the quality of the materials used conform with the characteristics/requirements of this specification and one (1) finished PHILARPAT, BDU and Ball Cap to the Office of the Army Quartermaster for evaluation as to design, construction, workmanship, style and finish of the article.

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 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 document where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.2. Responsibility for Compliance – All items must meet all requirements of sections 2 and 3. The inspection set forth in this document shall become a part of the contractor's overall inspection system or quality assurance program. The absence of any inspection requirements in the document shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all the 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.

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4.3. Responsibility for Dimensional Requirements – Unless otherwise specified in the contract or purchase order, the contractor is responsible for assuring that all specified dimensions have been met. When dimensions cannot be examined on the end item, inspection shall be made at any point or all points in the manufacturing process necessary to assure compliance with all dimensional requirements.

4.4. Bid Samples – One (1) bid sample of PHILARPAT, BDU with Ball Cap shall be submitted to RDC, ASCOM, PA to determine the extent of compliance with this specification insofar as quality of materials used is concerned. One (1) bid sample of PHILARPAT, BDU and Ball Cap shall be submitted to the Office of the Army Quartermaster to determine the extent of compliance with this specification as far as workmanship, style and finish are concerned.

5. PACKAGING AND PACKING

5.1. Packaging – One (1) set of coat and trouser of matching sizes shall be properly placed in a transparent cellophane/plastic bag with the open end of the bag neatly folded and closed with transparent tape.

5.2. Packing

5.2.1. Coat and Trouser – Fifteen (15) sets of coat and trouser of the same sizes shall be packed in a corrugated carton, measuring 22" x 16" x 10" in size, double ply (minimum). The top when closed shall be sealed with binding tape and secured with strap. The box shall be labeled as follows:

PHILIPPINE ARMY PATTERN (PHILARPAT)
BATTLE DRESS UNIFORM Amendment 2
Name of Manufacturer
Quantity: 15 sets (coat and trousers)
Size:
Lot No. Project Qty:

5.2.2. Ball Cap – Fifty (50) pieces of ball cap of the same size shall be packed in a corrugated carton, double ply (minimum). The top when closed shall be sealed with binding tape and secured with strap. The box shall be labeled as follows:

BALL CAP, PHILIPPINE ARMY PATTERN (PHILARPAT)
Name of Manufacturer
Quantity: 50
Size:
Lot No. Project Qty:

uw

q

PA SPECIFICATION

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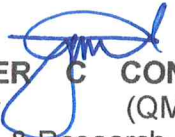
Interim

6. MISCELLANEOUS


6.1 The contractor shall notify the Office of the Army Quartermaster at least ten (10) days before actual production starts so that PA inspectors can be assigned to oversee the process of manufacture to be followed and to inspect the quality of materials to be used.

6.2 Any point not covered by this text shall be governed by the attached illustration which shall be followed in every detail.

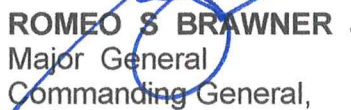
Prepared by:


GENERAL C. CONTILLO
Major (QMS) PA
Plans & Research Branch

Recommended by:


DEXTER A. MACASAET
Colonel MNSA (QMS) PA
Chief

Approved by:


ROMEO S. BRAWNER JR
Major General PA
Commanding General, PA†

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NEW TABLE OF FINISHED SIZES AND MEASUREMENTS OF COAT, TROUSERS AND CAP (MEASUREMENTS IN CENTIMETERS)

TABLE I – COAT

CODE	COAT	SMALL			MEDIUM			LARGE			XL		TOL ±
		X-SHORT	SHORT	REG	LONG	SHORT	REG	LONG	SHORT	REG	LONG	LONG	
AB	SLEEVE LENGTH, ARM SEAM TO END OF CUFF	57	59	63	67	59	63	67	59	63	67	68	1.0
CD	SHOULDER LENGTH FROM CENTER BACK TO TOP ARMHOLE SEAM	41	43	43	43	46	46	46	49	49	49	50	1.5
EF	ARMHOLE (CIRCUMFERENCE)	50.8	53.3	53.3	53.3	55.9	55.9	55.9	58.4	58.4	58.4	58.4	1.0
GH	WIDTH OF CHEST MEASURED 2.54 CM BELOW ARMPIT(CIRCUMFERENCE)	99.0	106.7	106.7	106.7	114.3	114.3	114.3	121.9	121.9	121.9	128	1.5
IJ	COLLAR CENTER POINT	49	49	49	49	52	52	52	54	54	54	54	1.0
KL	LENGTH OF COAT FROM NECK TO BOTTOM	71.1	75	77	82	75	77	82	75	77	82	86	1.0
MN	COAT CIRCUMFERENCE OF WAIST LINE	104	108.2	108.2	108.2	116	116	116	124.5	124.5	124.5	130	1.0
OP	BOTTOM WIDTH OF COAT (CIRCUMFERENCE)	106	111	111	111	118	118	118	126	126	126	132	2.0
QR	DISTANCE OF BREAST POCKET FLAP FROM JUNCTION OF SHOULDER AND COLLAR SEAMS	22	22	22	23	22	22	23	22	22	23	23	0.5
ST	LENGTH OF BREAST POCKET FROM POCKET FLAP	19	19	19	19	19	19	19	19	19	19	19	1.0
UV	WIDTH OF SLEEVE OPENING	15	15	15	15	17	17	17	18	18	18	18	1.0

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TABLE I – COAT

CODE	COAT	SMALL			MEDIUM			LARGE			XL		TOL ±
		X-SHORT	SHORT	REG	LONG	SHORT	REG	LONG	SHORT	REG	LONG	LONG	
WX	LEFT ARM PENCIL POCKET 1: WIDTH LENGTH	3.0 15.5	3.0 15.5	3.0 15.5	3.0 15.5	3.0 15.5	3.0 15.5	3.0 15.5	3.0 15.5	3.0 15.5	3.0 15.5	3.0 15.5	0.2 0.5
YZ	LEFT ARM PENCIL POCKET 2: WIDTH LENGTH	5.5 15.5	5.5 15.5	5.5 15.5	5.5 15.5	5.5 15.5	5.5 15.5	5.5 15.5	5.5 15.5	5.5 15.5	5.5 15.5	5.5 15.5	0.2 0.5
AA	LENGTH BUTTONHOLE FLY FROM NECK	4	4	5	6	4	5	6	4	5	6	6	0.5
BB	WIDTH OF BREAST POCKET	14	14	14	14	14	14	14	14	14	14	14	0.5
CC	WIDTH OF CUFF	5	5	5	5	5	5	5	5	5	5	5	0.2
DD	LENGTH OF CUFF	12	12	12	12	12	12	12	12	12	12	12	1.0
EE	WIDTH OF BUTTONHOLE FLY STITCHING	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	0.5
FF	LENGTH OF ADJUSTABLE BACK STRAPS	11	11	11	11	11	11	11	11	11	11	11	1.0
GG	WIDTH OF ADJUSTABLE BACK STRAP	5	5	5	5	5	5	5	5	5	5	5	0.5
HH	LENGTH OF BACK EXPANSION FLAP	32	32	32	32	32	32	32	32	32	32	32	2.0
II	DISTANCE OF BACK EXPANSION FLAP FROM THE ARM HOLE	6	6	6	6	6	6	6	6	6	6	6	0.5
JJ	WIDTH OF BACK EXPANSION FLAP	5	5	5	5	5	5	5	5	5	5	5	0.5
LL	LENGTH OF SLEEVE POCKET FROM POCKET FLAP	17	17	17	17	17	17	17	17	17	17	17	0.5

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w/ AMENDMENT 2

02 JUN 2022
Interim

TABLE I – COAT

CODE	COAT	SMALL			MEDIUM			LARGE			XL	TOL ±
		X-SHORT	SHORT	REG	LONG	SHORT	REG	LONG	SHORT	REG	LONG	
MM	WIDTH OF SLEEVE POCKET	14	14	14	14	14	14	14	14	14	14	0.5
NN	LENGTH OF SLEEVE PADDING	24	24	24	24	24	24	24	24	24	24	1.0
PP	WIDTH OF SLEEVE PADDING	21.5	21.5	21.5	21.5	22.5	22.5	22.5	23.5	23.5	23.5	1.0

TABLE II - TROUSERS

CODE	TROUSERS	SMALL			MEDIUM			LARGE			XL	TOL ±
		X-SHORT	SHORT	REG	LONG	SHORT	REG	LONG	SHORT	REG	LONG	
AB	WAIST CIRCUMFERENCE	78.7	86.3	86.3	86.3	93.9	93.9	93.9	104.1	104.1	104.1	2.0
CD	WAISTBAND TO CROTCH	28	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	1.0
EF	LENGTH OF OUTSEAM	94	102	107	112	102	107	112	102	107	112	1.0
GH	LENGTH OF INSEAM	66	71.5	76.5	81.5	71.5	76.5	81.5	71.5	76.5	81.5	1.5
IJ	BOTTOM HEM	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.2
KL	HIP CIRCUMFERENCE	96.4	104.2	104.2	104.2	111.8	111.8	111.8	122	122	122	1.5
MN	THIGH CIRCUMFERENCE	66	66	66	66	70	70	70	74	74	74	1.5
OP	CIRCUMFERENCE OF KNEE	50	50	50	50	54	54	54	57	57	57	1.5
QR	BOTTOM CIRCUMFERENCE	40	40	40	40	42	42	42	44	44	44	1.0
ST	SIDE POCKET OPENING	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	0.5
UV	LENGTH OF THIGH POCKET FROM POCKET FLAP	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	1.0

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TABLE II - TROUSERS

CODE	TROUSERS	SMALL			MEDIUM			LARGE			XL	TOL ±
		X-SHORT	SHORT	REG	LONG	SHORT	REG	LONG	SHORT	REG	LONG	
WX	WIDTH OF THIGH POCKET	18	18	18	18	18	18	18	18	18	18	1.0
YZ	LENGTH OF LOWER POCKET FROM POCKET FLAP	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	0.5
AA	WIDTH OF LOWER POCKET	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	0.5
BB	WIDTH OF WAISTBAND	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	0.3
CC	WIDTH OF LEFT FLY	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	0.5
DD	LENGTH OF KNEE PADDING	25	25	26	27	25	26	27	25	26	27	0.5
EE	WIDTH OF BUTTOCK PADDING FROM CROTCH TO INSEAM	13	14	14	14	15	15	15	16	16	16	0.5
FF	LENGTH OF BUTTOCK PADDING FROM UPPER EDGE TO CROTCH	25	26	26	26	27	27	27	28	28	28	0.5

TABLE III - BALL CAP

CODE	SIZES	54	55	56	57	58	59	60	TOLERANCE ±
		54	55	56	57	58	59	60	
A	TOP HOOD (CIRCUMFERENCE)	54	55	56	57	58	59	60	0.1
B	WRAP AROUND HEADBAND TO INCLUDE HEADBAND PIPING: HEIGHT - BACK - FRONT	8.0 5.8	8.0 5.8	8.0 5.8	8.0 5.8	8.0 5.8	8.0 5.8	8.0 5.8	0.2 0.2
C	WIDTH OF HEADBAND PIPING	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.2
D	LENGTH OF VISOR	6.5	6.5	6.5	6.5	6.5	6.5	6.5	0.2
E	WIDTH OF VISOR	17.5	17.5	17.5	17.5	17.5	17.5	17.5	0.5

62

2

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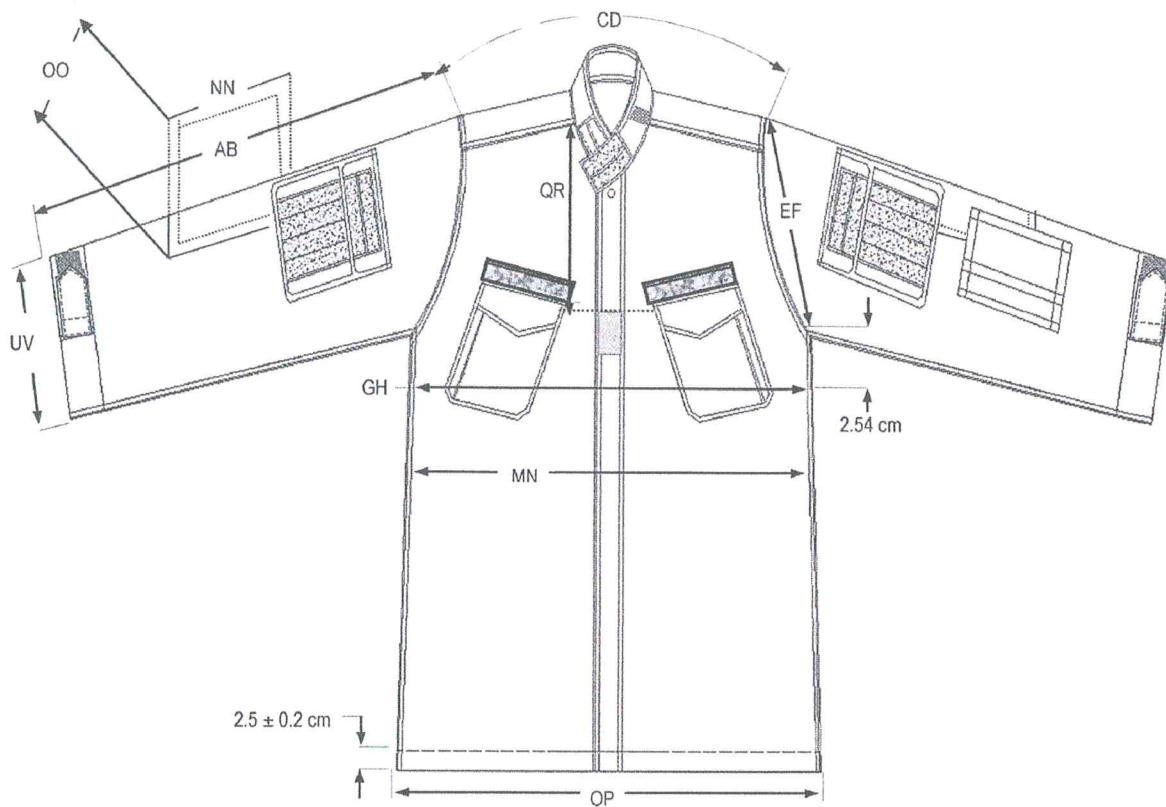
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PHILIPPINE ARMY PATTERN (PHILARPAT)
BATTLE DRESS UNIFORM (BDU)

COAT



FRONT VIEW

GA

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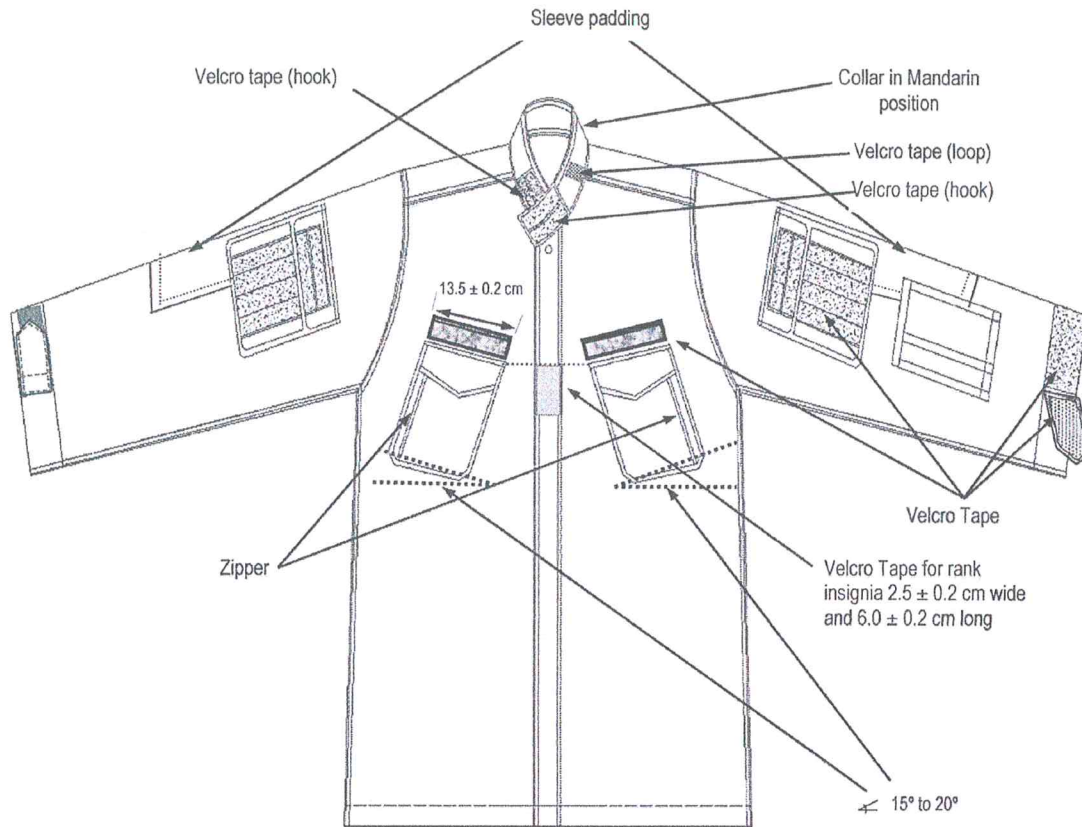
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QM SPEC NR IC-21PAPBDU
w/ AMENDMENT 2

U 2 JUN 2022

Interim

COAT



PA LOGO for T-Shirt

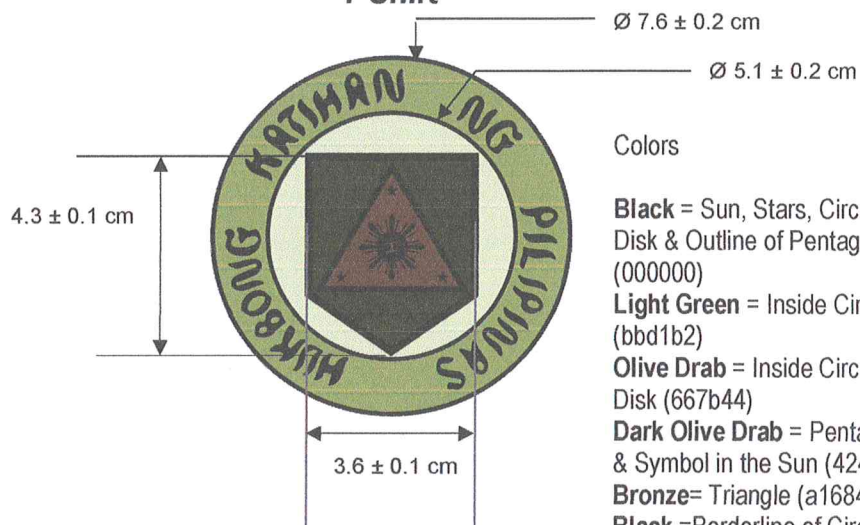


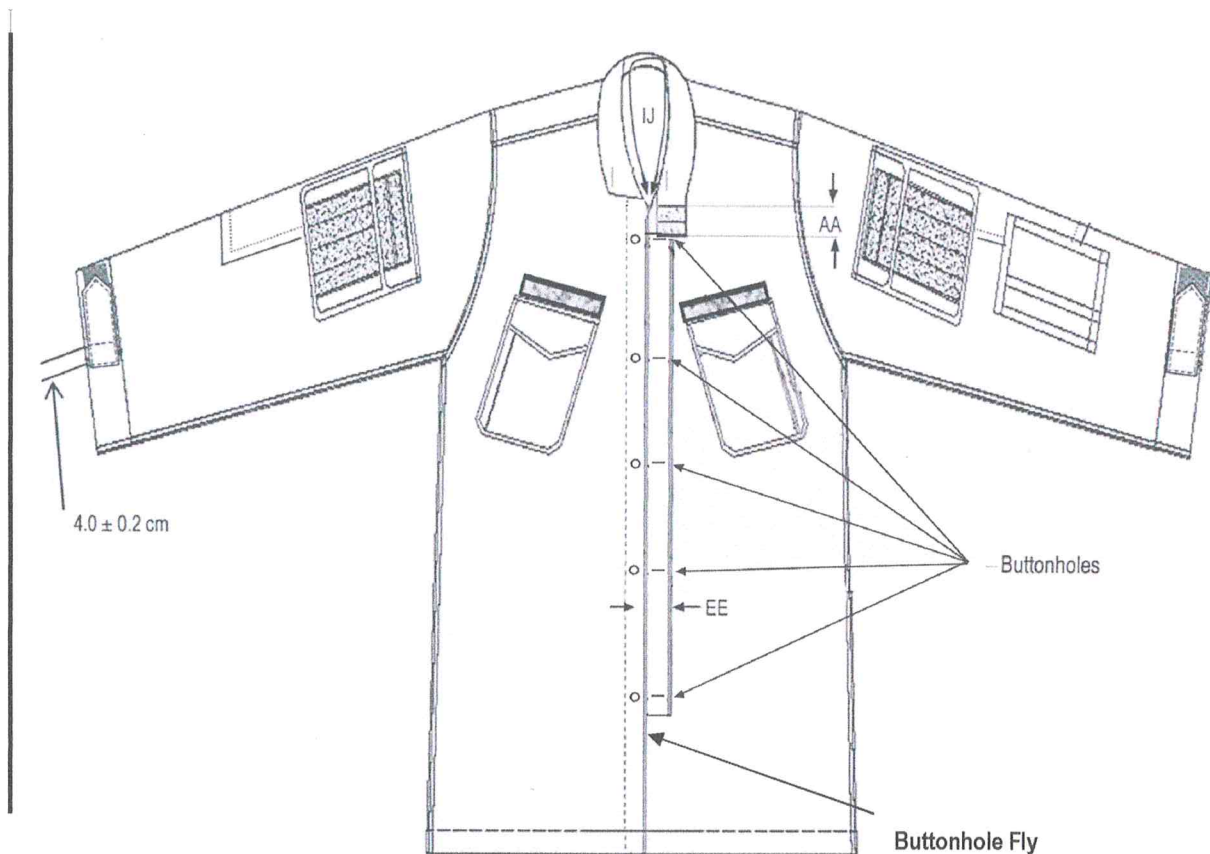
FIGURE 3

PA SPECIFICATION

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FRONT VIEW

602

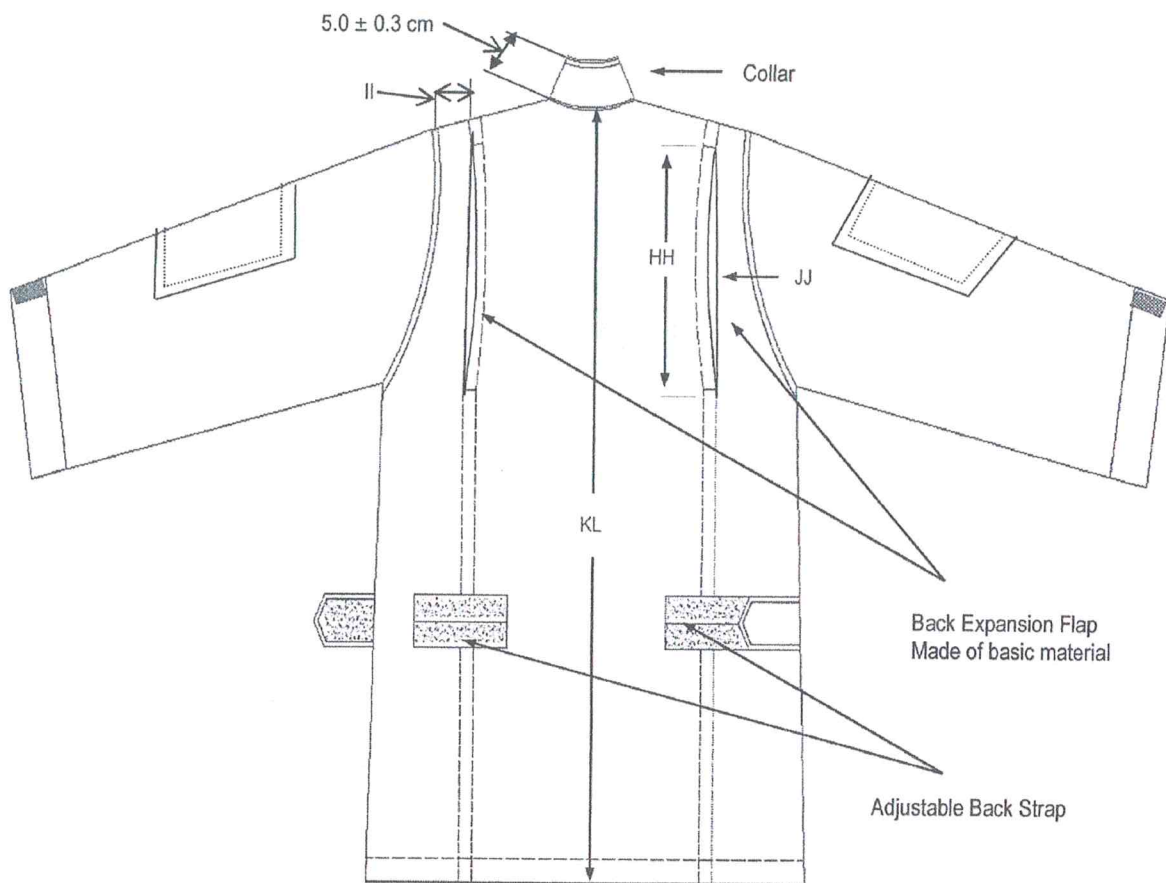
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QM SPEC NR IC-21PAPBDU
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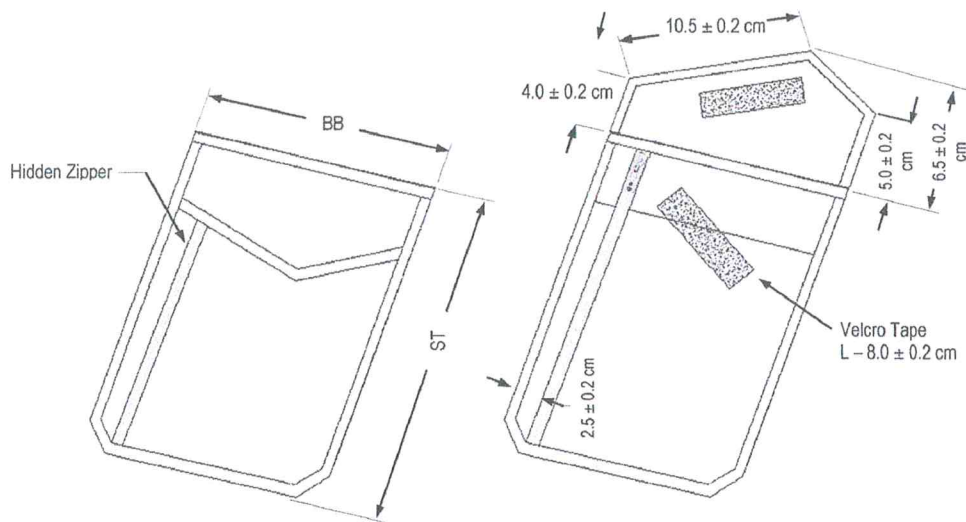
BACK VIEW

PA SPECIFICATION

QM SPEC NR IC-21PAPBDU
w/ AMENDMENT 2

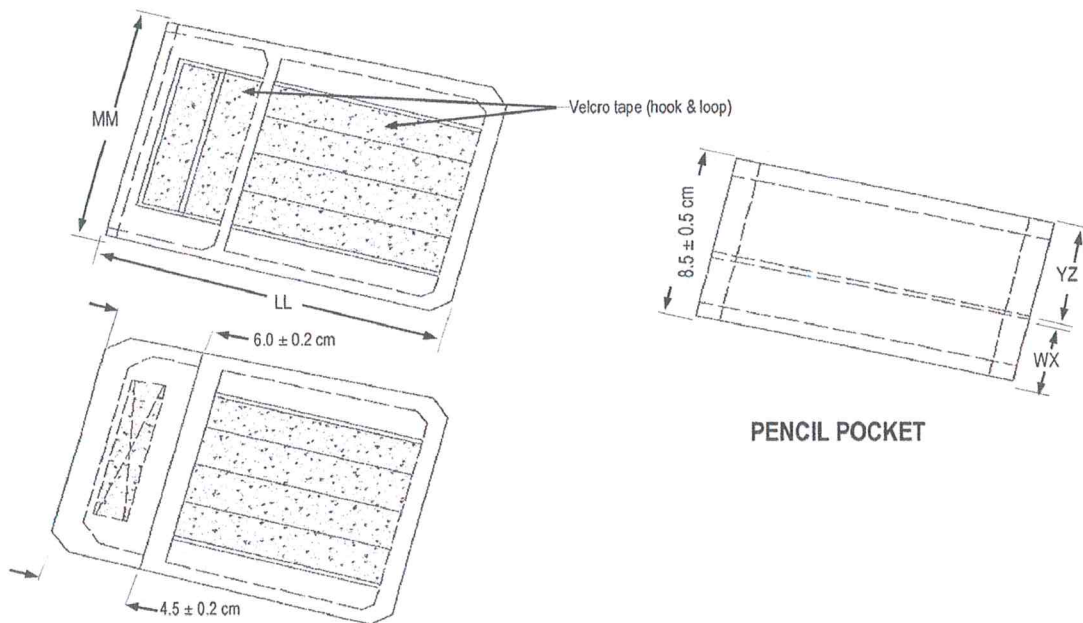
02 JUN 2022

Interim



BREAST POCKET WITH FLAP

BREAST POCKET WITH FLAP OPEN



SLEEVE POCKET WITH FLAP OPEN

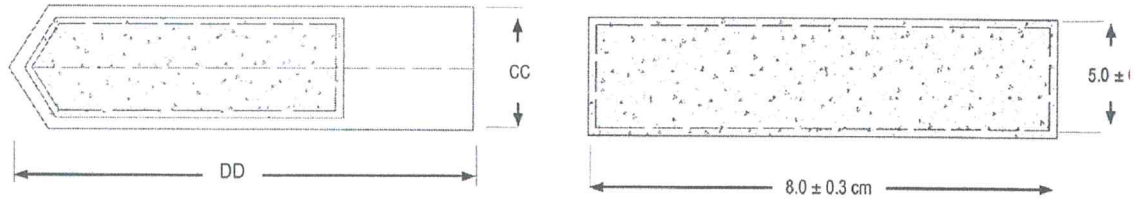
PENCIL POCKET

PA SPECIFICATION

QM SPEC NR IC-21PAPBDU
w/ AMENDMENT 2

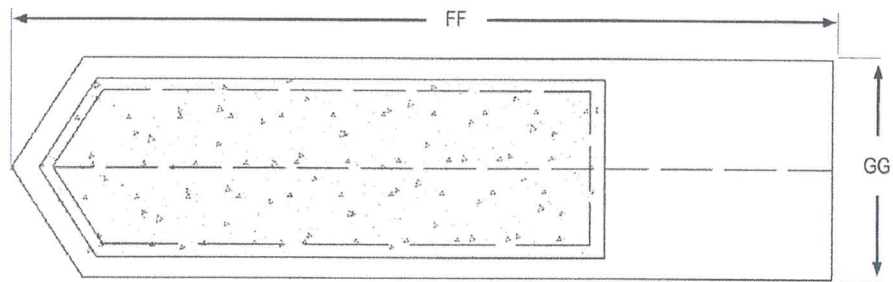
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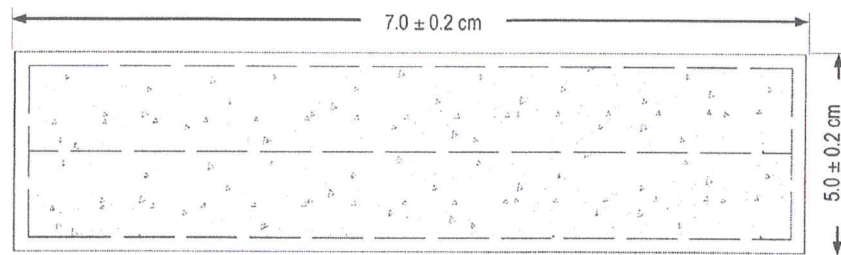


CUFF WITH VELCRO TAPE

VELCRO TAPE



ADJUSTABLE BACK STRAP WITH VELCRO TAPE



VELCRO TAPE

602

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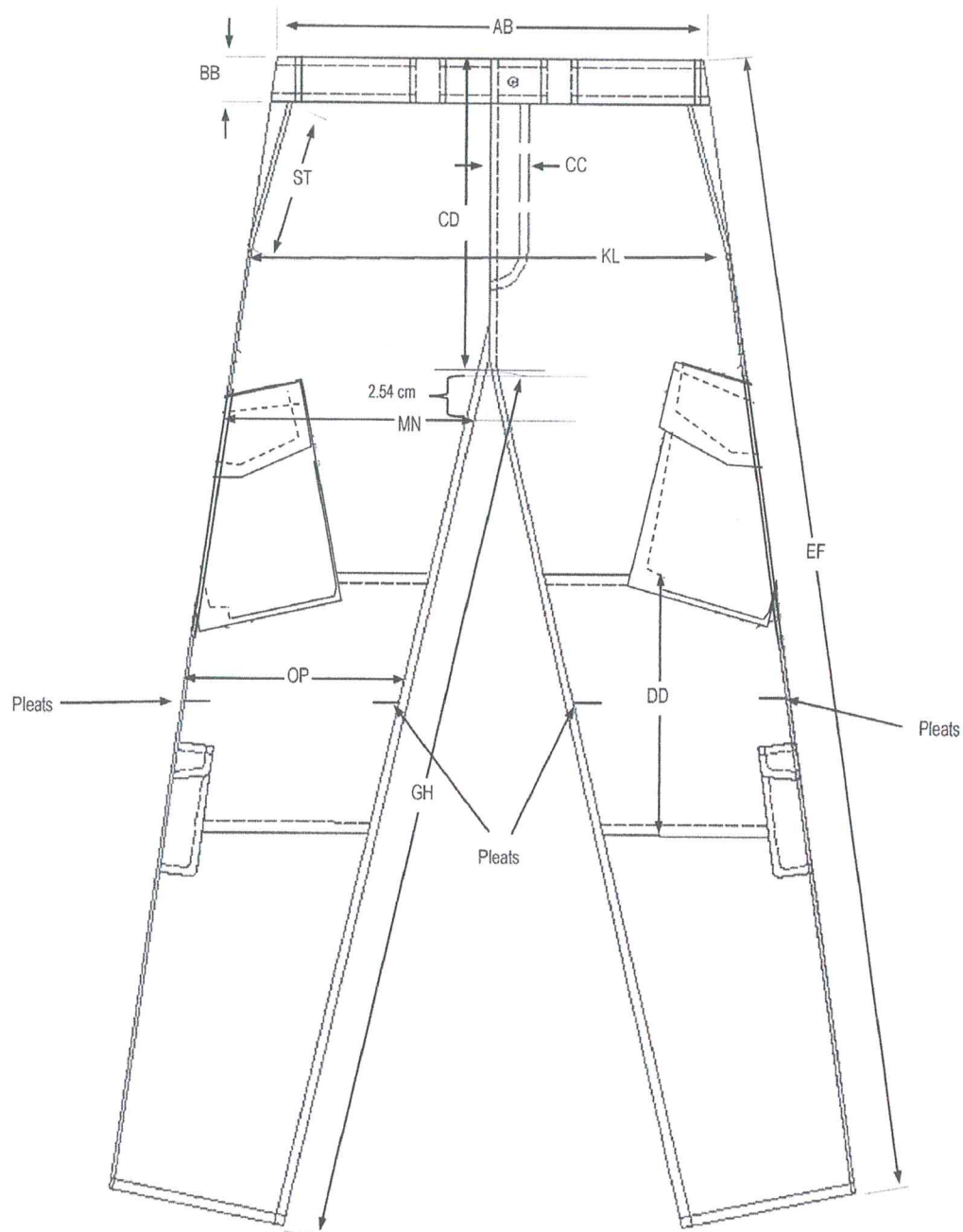
PA SPECIFICATION

QM SPEC NR IC-21PAPBDU
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TROUSERS



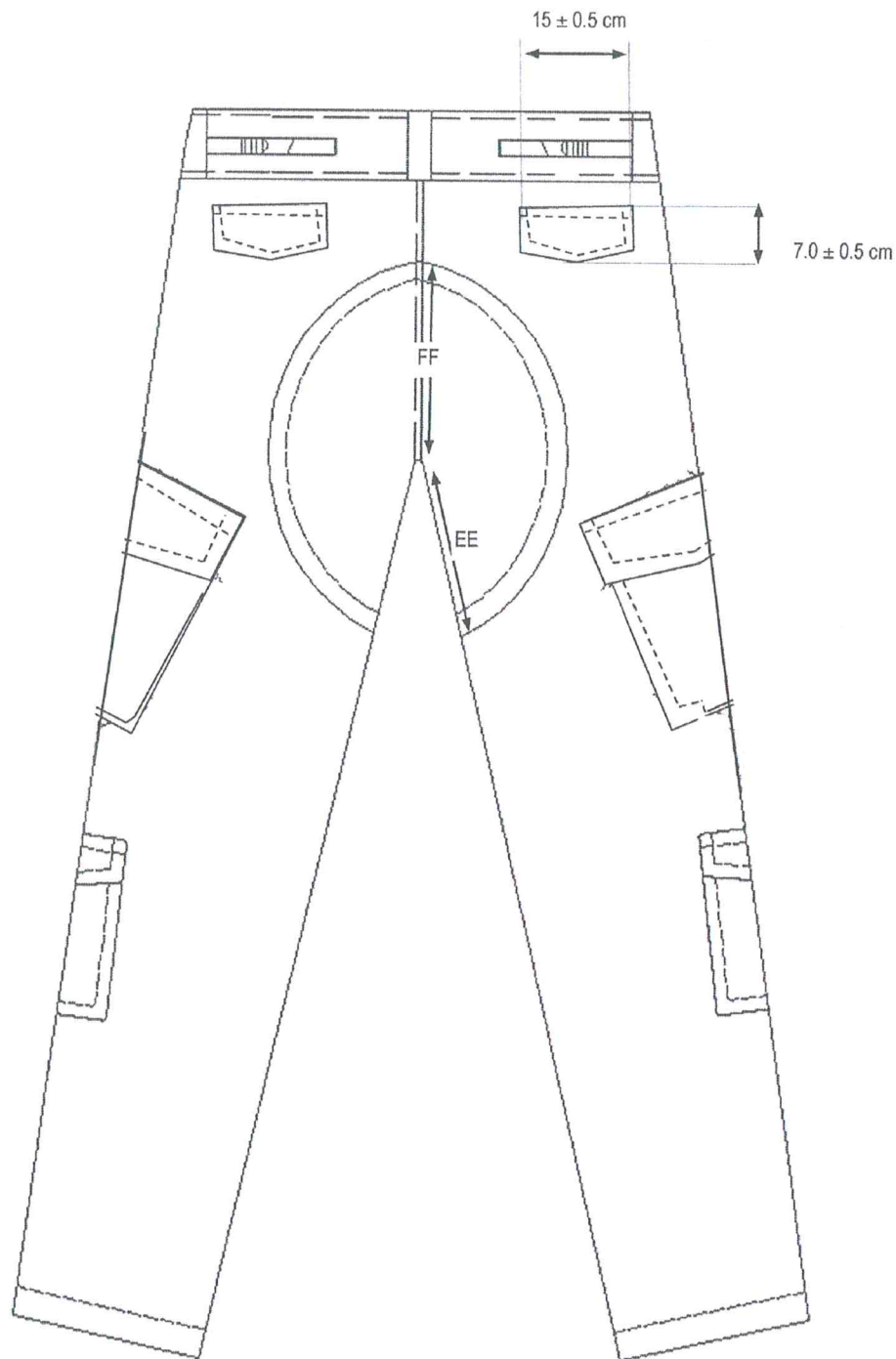
FRONT VIEW

PA SPECIFICATION

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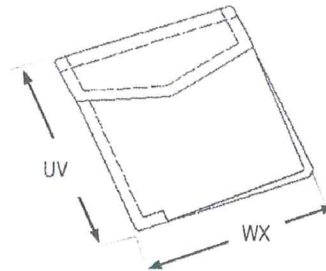
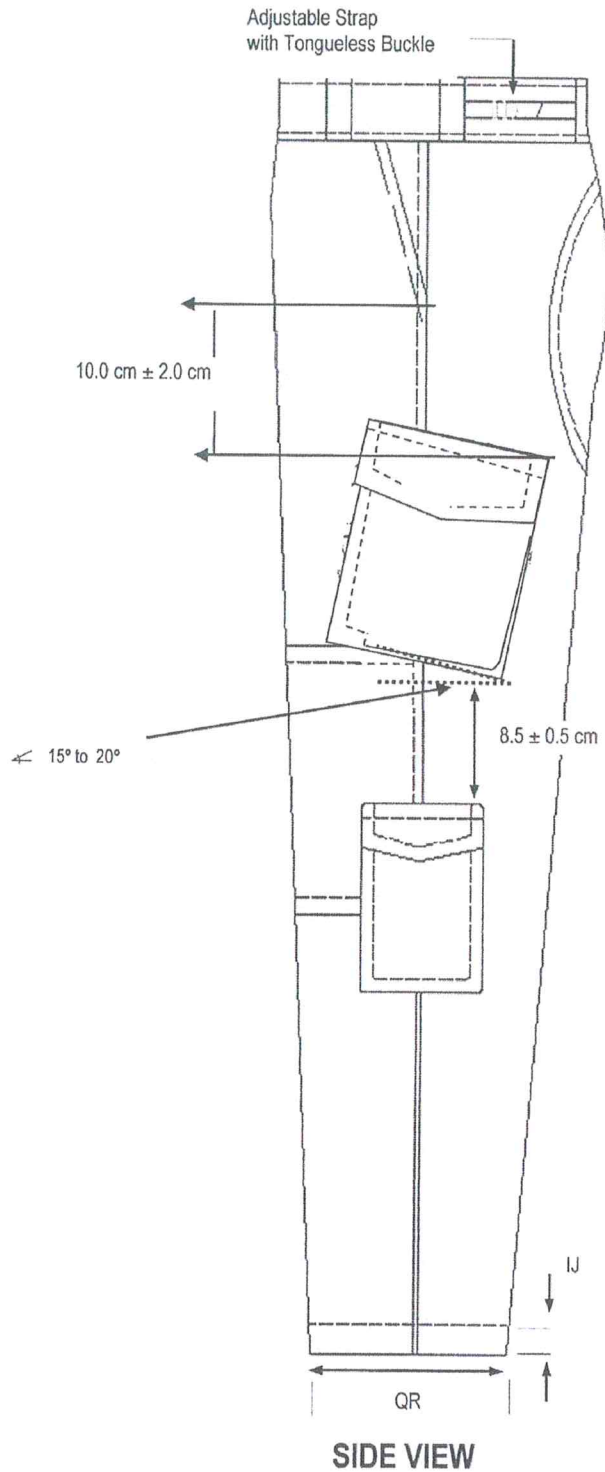


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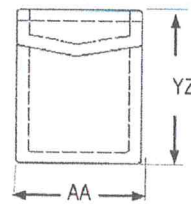
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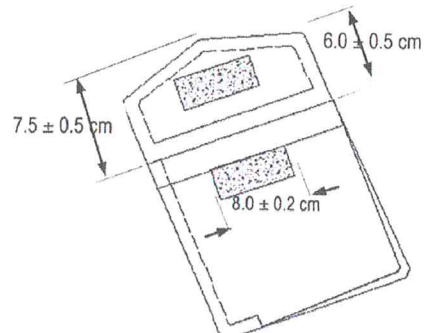
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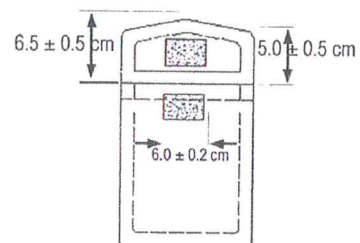
Thigh Pocket with Flap Closed



Lower Pocket with Flap Closed



Thigh Pocket with Flap Open



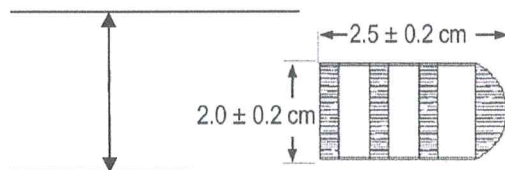
Lower Pocket with Flap Open

6a

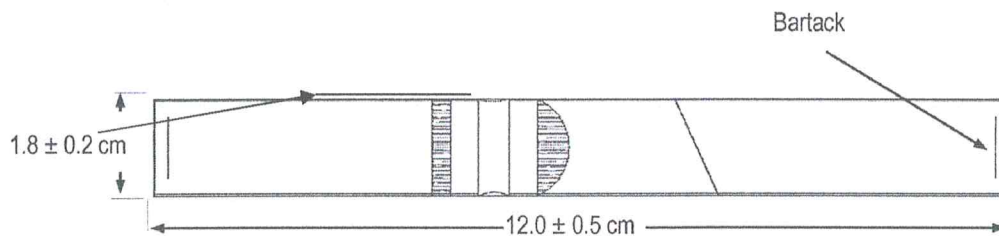
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PA SPECIFICATION

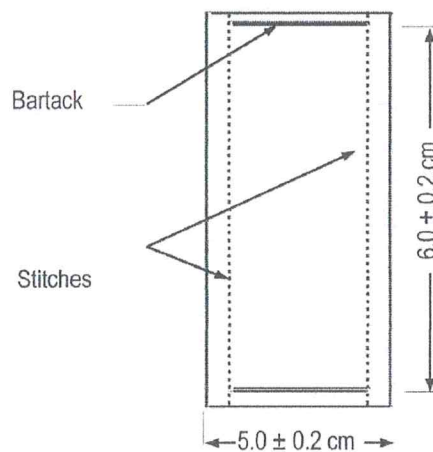
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DOUBLE BAR TONGUELESS BUCKLE



ADJUSTABLE STRAP WITH DOUBLE BAR TONGUELESS BUCKLE



BELT LOOP

PA SPECIFICATION

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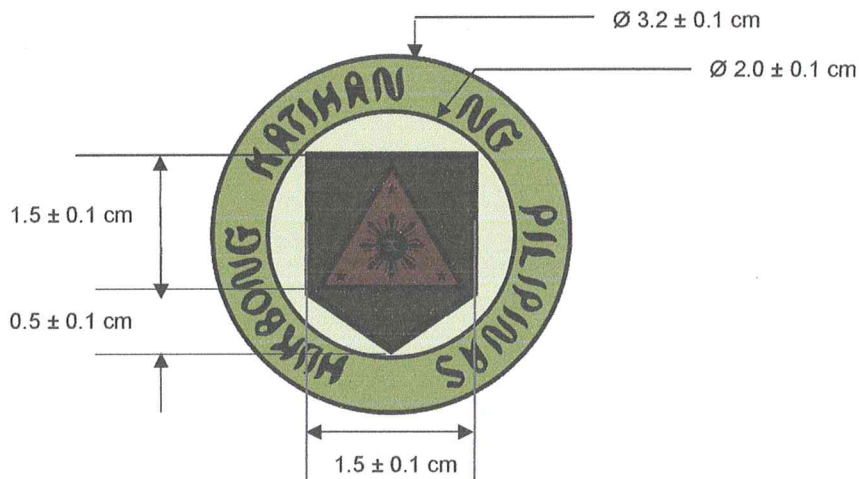
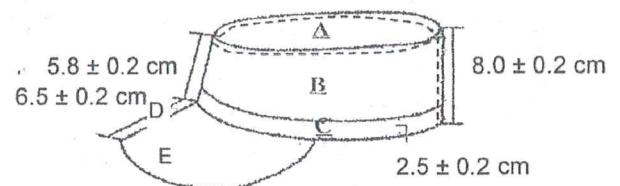
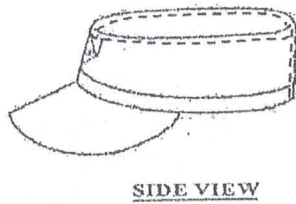
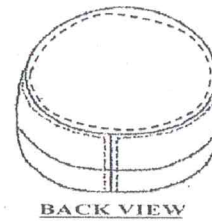
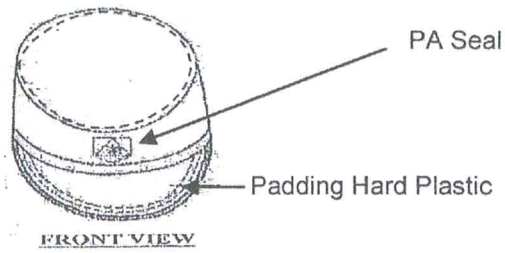


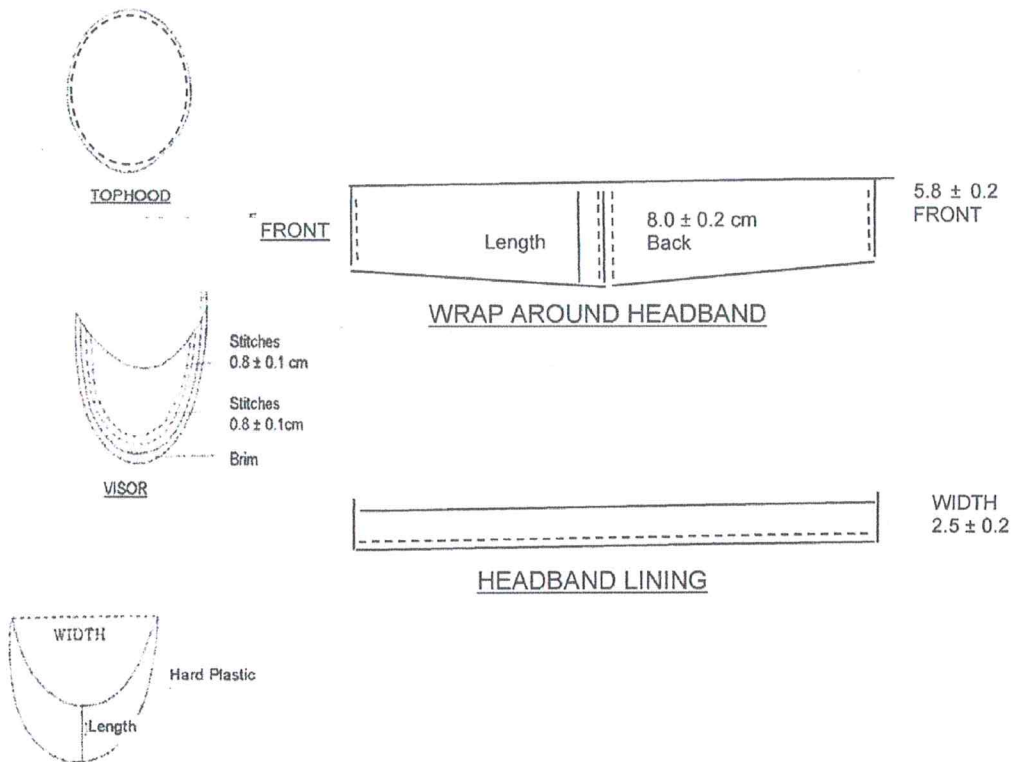
FIGURE 3

PA SPECIFICATION

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PA SPECIFICATION

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(Interim)

PHILIPPINE ARMY PATTERN (PHILARPAT)
DESIGN FOR TEXTILE

(76.2 cm x 76.2 cm)



Figure 1

PA SPECIFICATION

QM SPEC NR IC-21PAPBDU
w/ AMENDMENT 2
02 JUN 2022
(Interim)

PHILIPPINE ARMY PATTERN (PHILARPAT) DESIGN
BEIGE LAYER – BASE COLOR

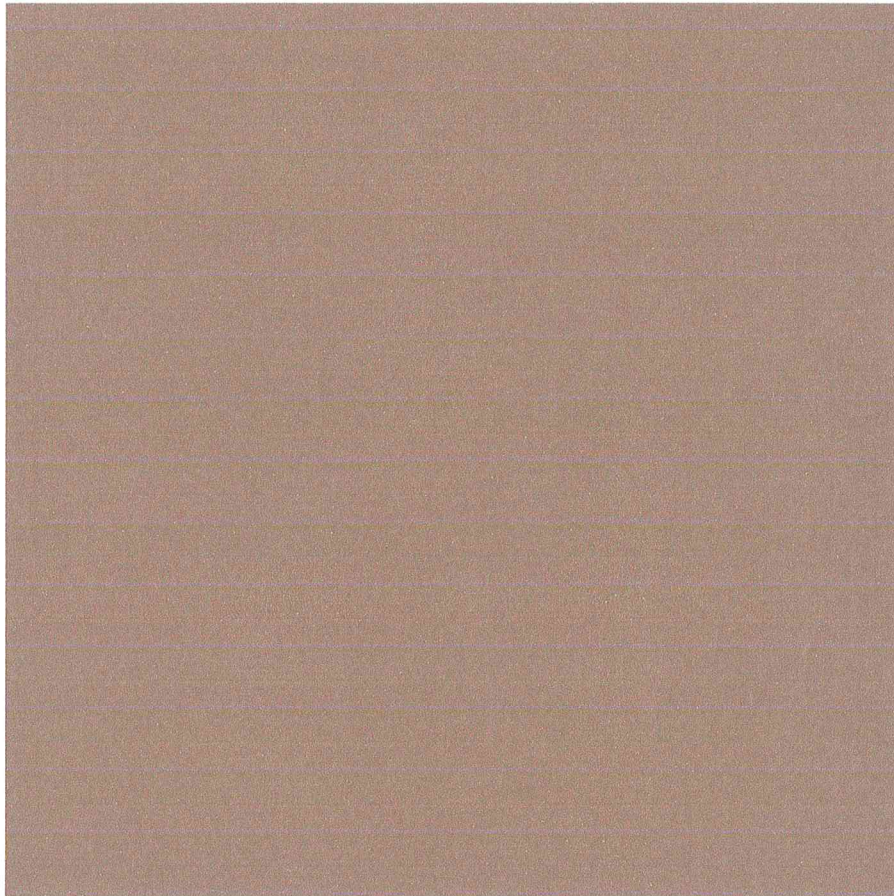


Figure 2

PA SPECIFICATION

QM SPEC NR IC-21PAPBDU
w/ AMENDMENT 2

02 JUN 2022

(Interim)

PHILIPPINE ARMY PATTERN (PHILARPAT) DESIGN
LIGHT GREEN LAYER



Figure 3

PA SPECIFICATION

QM SPEC NR IC-21PAPBDU
w/ AMENDMENT 2

02 JUN 2022

(Interim)

PHILIPPINE ARMY PATTERN (PHILARPAT) DESIGN
BLACK LAYER

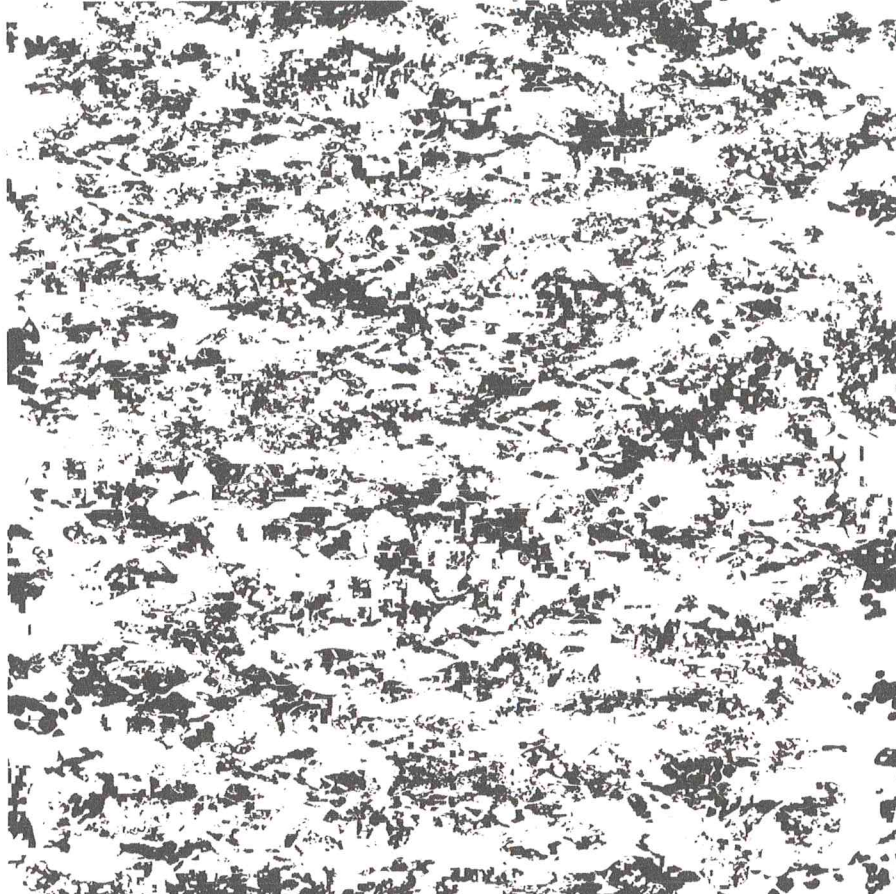


Figure 4

60

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PA SPECIFICATION

QM SPEC NR IC-21PAPBDU
w/ AMENDMENT 2
02 JUN 2022
(Interim)

**PHILIPPINE ARMY PATTERN (PHILARPAT) DESIGN
DARK GREEN LAYER**

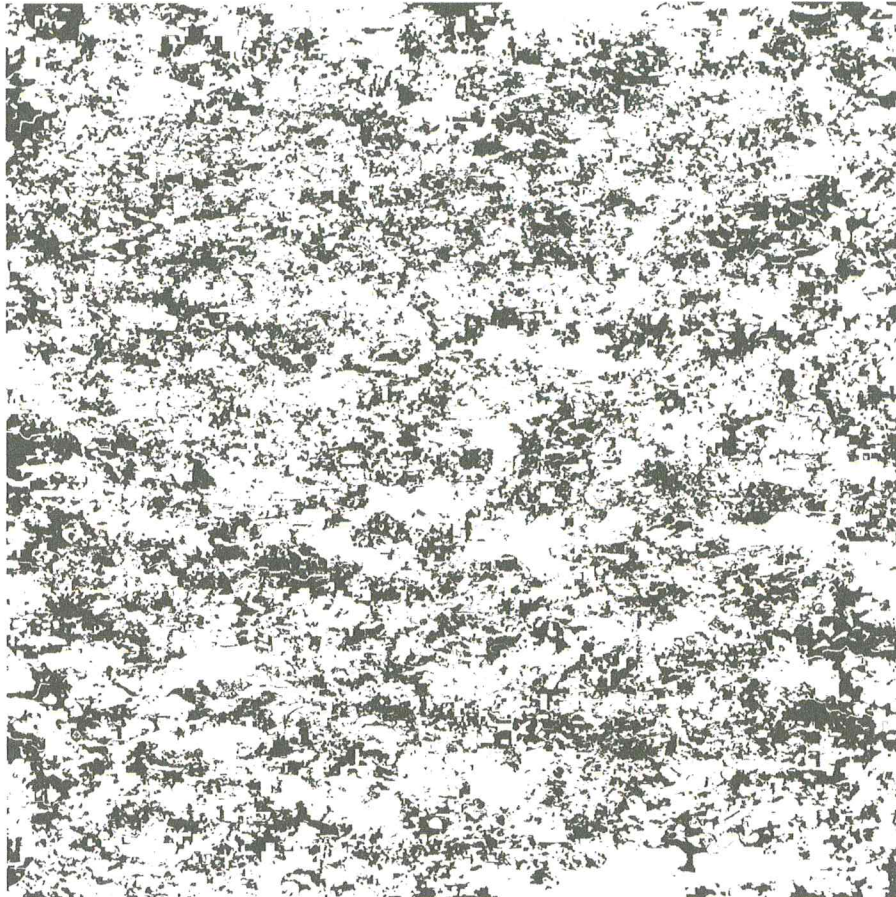


Figure 5

60

4

PA SPECIFICATION

QM SPEC NR IC-21PAPBDU
w/ AMENDMENT 2
02 JUN 2022
(Interim)

PHILIPPINE ARMY PATTERN (PHILARPAT) DESIGN
(PA LOGO MAGNIFIED)

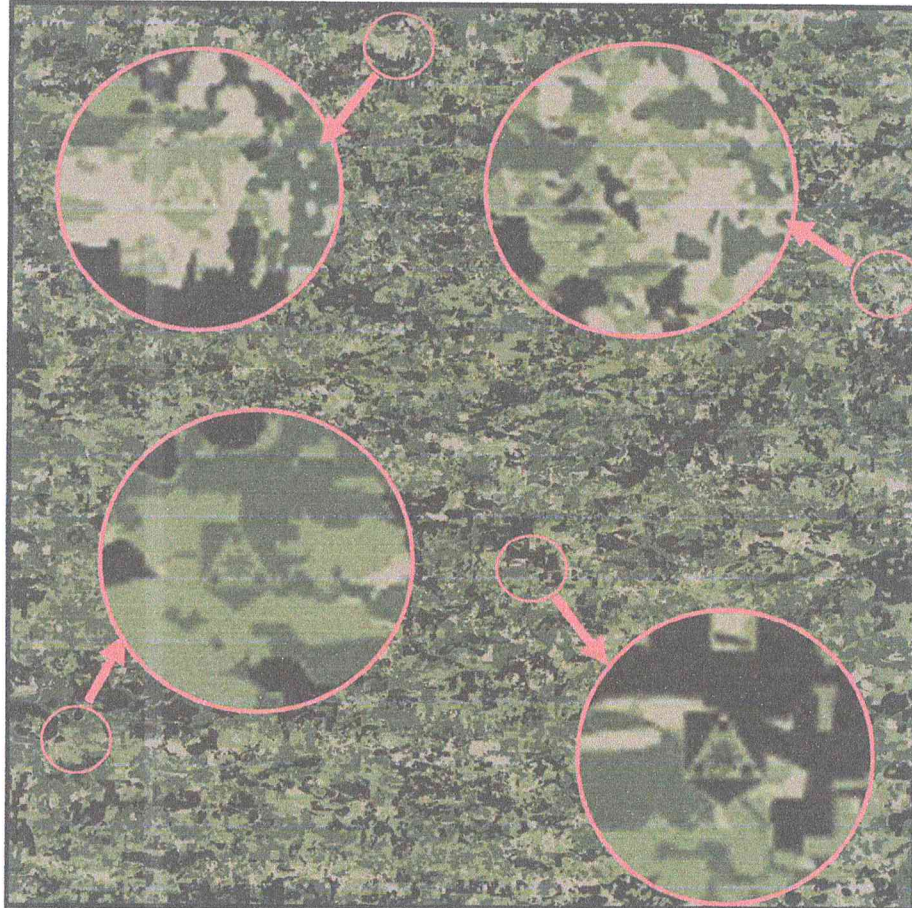


Figure 6