

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

PA SPECIFICATION

QM SPEC NR IC-21JSA

DEC 16 2022
Interim

JOGGING SUIT, ATHLETIC

1. SCOPE

1.1. Scope - This specification covers one set of brand new Jogging Suit composed of Long Sleeve Shirt and Jogging Pants for use of military personnel of the Philippine Army.

1.2. Grade - The finished Jogging Suit shall conform to the quality and grade of product prescribed by this specification.

1.3. Sizes - Sizes and measurements of the finished Jogging Suit are specified in Annex A.

2. REQUIREMENTS

2.1. First Article - Two (2) sets samples of the finished Jogging Suit shall be submitted to the Office of the Army Quartermaster and shall be subjected to first article inspection in accordance with para 3.1.

2.2. Materials

2.2.1. Long Sleeve Shirt

2.2.1.1. Front Part: The front part basic material shall be 85% \pm 5 polyester fabric and 15% \pm 5 Spandex, two tone gray in color and shall conform to the following requirements:

| | | | | | |
|--|---|---|---|---|----------------|
| Thread Count/ 1 in ² | | | | | |
| Wales | - | - | - | - | 45 (minimum) |
| Courses | - | - | - | - | 75 (minimum) |
| Thickness, mm | - | - | - | - | 0.38 (minimum) |
| Weight, g/m ² : | - | - | - | - | 175 (maximum) |
| Type of Knit: | - | - | - | - | Plain |
| Bursting Strength, kg/cm ² | - | - | - | - | 5 (minimum) |
| Color Quality (Color Difference) Spectrophotometric Method: | - | - | - | - | 2 (maximum) |

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Dimensional Change, % - - - - ± 3%

| | | |
|--------------------------------|-----------------|---------------|
| Colorfastness | Change in Color | Staining |
| Laundrying, rating - - - - - | Grade 4 (min) | Grade 4 (min) |
| Perspiration, rating - - - - - | Grade 4 (min) | Grade 4 (min) |

2.2.1.2. Back Part: The back part basic material shall be 85% ± 5 polyester fabric and 15% ± 5 Spandex, gray with design and shall conform to the following requirements:

| | | |
|---------------------------------------|-----------------|----------------------|
| Thread Count/ 1 in ² | | |
| Wales | - - - - - | 60 (minimum) |
| Courses | - - - - - | 100 (minimum) |
| Thickness, mm | - - - - - | 0.35 (minimum) |
| Weight, g/m ² : | - - - - - | 150 (maximum) |
| Type of Knit: | - - - - - | Plain w/ Mesh Design |
| Bursting Strength, kg/cm ² | - - - - - | 5 (minimum) |
| Color Quality (Color Difference) | | |
| Spectrophotometric Method: - - - - - | - - - - - | 2 (maximum) |
| Dimensional Change, % - - - - - | - - - - - | ± 3% |
| Colorfastness | Change in Color | Staining |
| Laundrying, rating - - - - - | Grade 4 (min) | Grade 4 (min) |
| Perspiration, rating - - - - - | Grade 4 (min) | Grade 4 (min) |

2.2.1.3. Collar Stiffener - The fabric for the collar stiffener shall be non-woven polyester, white in color and shall have a minimum thickness of 0.2 mm.

2.2.1.4. Zipper - The zipper for closure of the neckline shall be made of nylon zipper, size No. 3 - 4, black in color with a length of 15 – 17 cm from the upper edge of the collar.

2.2.1.5. Thread, Sewing – The thread to be used for all sewing and stitching of the Long Sleeve Shirt shall be polyester, Black in color, 1 ply (minimum) and 140 denier (minimum) with a minimum breaking strength of 1.0 kg.

2.2.1.6. Logo – PA logo shall be placed at the back of the Long Sleeve Shirt 6 ± 0.5 cm from the upper edge of the collaret using rubberized material by heat transfer process. The design and dimensions shall be as shown in Figure 2.

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2.2.1.7. ARMY Marking – The “ARMY” marking shall be placed on the left breast part of the Long Sleeve Shirt, Stencil font, size 100 using gray reflective rubberized material by heat transfer process. The location and distance of the lettering shall be as follows:

| SIZES | Y | X | TOLERANCE (±) |
|--------|------|-----|------------------|
| SMALL | 9.0 | 5.4 | 0.5 |
| MEDIUM | 10.0 | 5.4 | 0.5 |
| LARGE | 10.0 | 5.4 | 0.5 |
| XL | 10.0 | 5.4 | 0.5 |

2.2.2. Jogging Pants

2.2.2.1. The basic material shall be made of Polyester, two-tone Black and shall conform to the following requirements:

| | | | | |
|---|-------|-----------------|---|----------------|
| Type of Weave | - | - | - | Plain Knit |
| Thread Count/ 1 in ² | | | | |
| Warp | - | - | - | 45 (minimum) |
| Filling | - | - | - | 65 (minimum) |
| Thickness, mm | - | - | - | 0.45 (minimum) |
| Weight, g/m ² | - | - | - | 250 (maximum) |
| Bursting Strength, kg/cm ² | - | - | - | 15 (minimum) |
| Colorfastness | | Change in Color | | Staining |
| Laundering, rating | ----- | Grade 4 (min) | | Grade 4 (min) |
| Perspiration, rating | ----- | Grade 4 (min) | | Grade 4 (min) |
| Color Quality (Color Difference) (Spectrophotometric Method) | - | - | - | 2 (maximum) |

2.2.2.2. Elastic Band – The elastic band for waistband shall be at least 3.5 cm wide. It shall have a maximum elongation of 3% after subjecting it to 100 stretches to a distance equal to its length at the rate of 4 stretches per minute and shall conform to the following requirements.

| | | | |
|-----------------------|---|---|---------------|
| Number of Strands | - | - | 28 (minimum) |
| Breaking Strength, kg | | | |
| Per strand | - | - | 1.0 (minimum) |

2.2.2.3. Draw Cord - The draw cord shall be made of braided polyester or nylon measuring 1.0 cm (minimum) in diameter, Black, with plastic reinforcement tips and shall have length of not less than 120 cm.

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2.2.2.4. Thread – The thread to be used for all sewing and stitching operations of the Jogging Pants shall be polyester of the same color shade as the basic material, 1 ply (minimum), 120 denier (minimum) with a minimum breaking strength of 1.0 kg.

2.2.2.5. Zipper - The closure for the side & hip pockets and bottom part of the jogging pants shall be made of nylon zipper No. 3 – 4.

2.3. Construction

2.3.1. Cutting – The Jogging Suit shall be cut strictly in accordance with the design as illustrated in Figures 1,2 & 3.

2.3.2. Collar – The collar shall have a width of 5.5 ± 0.5 cm.

2.3.3. Waistband – The waistband for the Jogging Pants shall be provided with elastic band as specified in para 2.2.2.2.

2.3.4. Side Pockets – The side pocket shall be cut from the material prescribed in para 2.2.2.1, and sewn at the both sides of the Jogging Pants as illustrated in Figure 3. The finished side pocket shall have an opening of 17 ± 0.5 cm and provided with zippers for closure.

2.3.5. Hip Pocket – The jogging pants shall be provided with one (1) hip pocket positioned as shown in the illustration. The depth of the pocket shall be 17 ± 0.5 cm and provided with zipper for closure.

2.3.6. Draw Cord – The draw cord shall be sewn on the center back portion of the waistband. There shall be two (2) outlets for both ends of the draw cord placed inside the front portion of waistband.

2.3.7. Side Slit – The Jogging pants shall be provided with side slit at the end of the inseams and provided with zipper for with the measurements specified in Table 1. The construction is as shown in Figure 2 & 3.

2.3.8. Bottom Hem – The bottom hem of the Jogging Pants shall have double rows of stitching.

2.3.9. Reflectorized Tapes – There shall be five (5) reflectorized tapes diagonally placed 1.0 – 1.5 cm from sides of the outseam and the upperside of the sleeves. The tapes shall measure 15.3 ± 1.0 cm long and 1.8 ± 0.3 cm wide respectively as shown in Figure 3.

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2.4. Workmanship

2.4.1. Design – The design of the finished Jogging Suit shall be essentially the same as shown in Figures 1,2 & 3 and the official sample of the Philippine Army.

2.4.2. Finish – The Jogging Suit shall be clean, well-finished, well-pressed and free from any defect which may affect its appearance or serviceability. Overall workmanship shall be the best known to the trade. Poor quality of sewing or workmanship shall be sufficient ground for rejection of the finished article.

2.4.3. Contractor's Label with Washing Instruction – The label shall consist of the following:

JOGGING SUIT, ATHLETIC
Name of Contractor:
Size:

WASHING INSTRUCTION

MACHINE WASHABLE / WASH WITH LIKE COLORS
DO NOT BLEACH / TUMBLE DRY LOW / WARM IRON
DO NOT IRON DESIGN / DO NOT DRY CLEAN

2.4.3.1. Long Sleeve Shirt - The contractor's label with washing instruction shall be printed on the inside back portion of the Long Sleeve Shirt, 2.5 ± 1.0 cm below the collar seam using gray paint, Arial font, Size 12.

2.4.3.2. Jogging Pants - The contractor's label with washing instruction shall be printed on the outside portion of the right side pocket, using gray paint, Arial font, Size 12.

3. VERIFICATION

3.1. First Article Inspection – The two sets samples of the finished Jogging Suit including materials and components submitted in para 2.1 shall be subjected to first article inspection by Philippine Army representative/agency. The samples shall be subjected to tests and examination to verify if the requirements in para 2.2 through 2.4 are satisfied with reference to the attached test parameters.

3.2. Sampling

3.2.1. Samples of finished Jogging Suit shall be taken at random during acceptance and shall be subjected to test evaluation at authorized agency/facility. In-process inspection shall be conducted when stipulated in the contract for the purpose of examination to determine compliance with the requirements of the specification and immediate correction on the overall workmanship can be conducted.

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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. 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 absence of any inspection requirements in the document shall not relieve the contractor of the responsibility of assuring that all product 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 accept of defective material.

4.3 Samples – The samples of the finished Jogging Suit and materials shall be submitted for testing in accordance to the test procedure set forth by the Philippine Army to determine the extent of compliance with this specification insofar as quality of materials used is concerned. The Philippine Army representative shall determine the extent of compliance with the specification insofar as workmanship, style and finish are concerned.

5. PACKAGING AND PACKING

5.1 Packaging – Each set of Jogging Suit shall be placed in a transparent (cellophane) bag with markings printed legibly on one face at the center portion of the bag using black indelible ink. The contents of the bag marking shall be as follows:

- JOGGING SUIT, ATHLETIC
- Designed for Athletics
- MEN'S /WOMEN
- SIZE

| Size, cm | S | M | L | XL | XXL | XXXL |
|------------------|----|-----|-----|-----|-----|------|
| Chest (cm) up to | 96 | 100 | 106 | 112 | 120 | 128 |
| Waist (cm) up to | 72 | 76 | 80 | 84 | 88 | 92 |

5.2 Packing – Twenty Five (25) sets of the Jogging Suit shall be packed in a corrugated carton. The top cover, when closed, shall be sealed with a binding tape and finally secured with nylon straps. The box shall be labeled as follows:

JOGGING SUIT, ATHLETIC
Name of Contractor:
QTY: 25 sets
SIZE:

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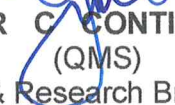
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6. MISCELLANEOUS

Any point not covered by this text shall be supplemented and supported by the attached illustration as reference guide.

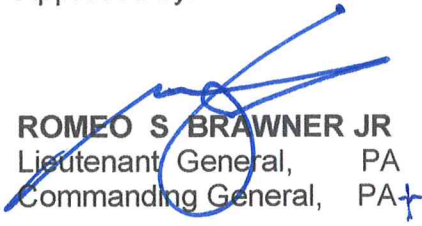
Prepared by:


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
Lieutenant General, PA
Commanding General, PA+

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MEASUREMENTS AS TO DIFFERENT SIZES IN CENTIMETERS

TABLE 1
(LONG SLEEVE SHIRT FOR MALE)

| | | Small | Medium | Large | XL | 2XL | 3XL | Tolerance |
|----|-----------------|-------|--------|-------|------|------|------|-----------|
| AB | Body Width | 48 | 50 | 53 | 56 | 60 | 64 | +/- 2.0 |
| BC | Body Length | 66 | 68 | 70 | 72 | 74 | 76 | +/- 2.0 |
| CD | Sleeve Length | 58 | 60 | 62 | 64 | 66 | 68 | +/- 2.0 |
| DE | Shoulder Length | 37 | 39 | 41 | 43 | 45 | 47 | +/- 1.0 |
| EF | Sleeve Opening | 11 | 11.5 | 12 | 12.5 | 13 | 13.5 | +/- 1.0 |
| FG | Arm Hole | 22.5 | 24.5 | 26.5 | 27.5 | 28.5 | 29.5 | +/- 1.0 |
| GH | Collar Diameter | 19.5 | 20.5 | 21.5 | 22.5 | 23.5 | 24.5 | +/- 1.0 |
| HI | Collar Width | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | +/- 0.5 |
| IJ | Neck Diameter | 23.5 | 24.5 | 25.5 | 26.5 | 27.5 | 28.5 | +/- 0.5 |

TABLE 2
(JOGGING PANTS FOR MALE)

| | | Small | Medium | Large | XL | XXL | XXXL | Tolerance |
|----|---|-------|--------|-------|-----|-----|------|-----------|
| | Waistline (Unstretched) | 36 | 38 | 40 | 42 | 44 | 46 | Minimum |
| | Waistline (Stretched) | 50 | 52 | 54 | 56 | 58 | 60 | Minimum |
| AB | Length of Outseam | 98 | 100 | 102 | 104 | 106 | 108 | ± 2.0 |
| BC | Perpendicular Rise (Waistband To Crotch) | 29 | 30 | 31 | 32 | 33 | 34 | ± 1.0 |
| CD | Length Of Inseam | 69 | 71 | 73 | 75 | 77 | 79 | ± 2.0 |
| DE | Width Of Hip (Measured 15 cm From Top Of Waistband) | 50 | 52 | 54 | 56 | 58 | 60 | ± 2.0 |
| EF | Bottom Width (closed) | 15 | 16 | 17 | 18 | 19 | 20 | ± 1.0 |
| FG | Bottom Hem | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | ± 0.5 |
| GH | Side Slit | 21 | 21 | 21 | 21 | 21 | 21 | ± 1.0 |
| HI | Placement of Reflectorized Tape | 33 | 33 | 33 | 33 | 33 | 33 | ± 1.0 |
| IJ | Back Upper | 12 | 12 | 12 | 12 | 12 | 12 | ± 1.0 |
| JK | Back Pocket Opening | 14 | 14 | 14 | 14 | 14 | 14 | ± 1.0 |
| | Length of Drawcord | 120 | 120 | 120 | 120 | 120 | 120 | Minimum |

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**TABLE 3
(LONG SLEEVE SHIRT FOR FEMALE)**

| | | Small | Medium | Large | XL | 2XL | 3XL | Tolerance |
|------|-----------------|-------|--------|-------|------|------|------|-----------|
| AB 1 | Body Width | 48 | 50 | 53 | 56 | 60 | 64 | +/- 2.0 |
| AB 2 | | 45 | 47 | 50 | 53 | 57 | 61 | +/- 2.0 |
| AB 3 | | 48 | 50 | 53 | 56 | 60 | 64 | +/- 2.0 |
| BC | Body Length | 66 | 68 | 70 | 72 | 74 | 76 | +/- 2.0 |
| CD | Sleeve Length | 58 | 60 | 62 | 64 | 66 | 68 | +/- 2.0 |
| DE | Shoulder Length | 37 | 39 | 41 | 43 | 45 | 47 | +/- 1.0 |
| EF | Sleeve Opening | 10.5 | 11 | 11.5 | 12 | 12.5 | 13 | +/- 1.0 |
| FG | Arm Hole | 22.5 | 24.5 | 26.5 | 27.5 | 28.5 | 29.5 | +/- 1.0 |
| GH | Collar Diameter | 19 | 20 | 21 | 22 | 23 | 24 | +/- 1.0 |
| HI | Collar Width | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | +/- 0.5 |
| IJ | Neck Diameter | 23 | 24 | 25 | 26 | 27 | 28 | +/- 0.5 |

**TABLE 2
(JOGGING PANTS FOR FEMALE)**

| | | Small | Medium | Large | XL | XXL | XXXL | Tolerance |
|----|---|-------|--------|-------|-----|-----|------|-----------|
| | Waistline (Unstretched) | 36 | 38 | 40 | 42 | 44 | 46 | Minimum |
| | Waistline (Stretched) | 50 | 52 | 54 | 56 | 58 | 60 | Minimum |
| AB | Length of Outseam | 96 | 98 | 100 | 102 | 104 | 106 | ± 2.0 |
| BC | Perpendicular Rise (Waistband To Crotch) | 28 | 29 | 30 | 31 | 32 | 33 | ± 1.0 |
| CD | Length Of Inseam | 67 | 69 | 71 | 73 | 75 | 77 | ± 2.0 |
| DE | Width Of Hip (Measured 15 cm From Top Of Waistband) | 50 | 52 | 54 | 56 | 58 | 60 | ± 2.0 |
| EF | Bottom Width | 14 | 15 | 16 | 17 | 18 | 19 | ± 1.0 |
| FG | Bottom Hem | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | ± 0.5 |
| GH | Side Slit | 21 | 21 | 21 | 21 | 21 | 21 | ± 1.0 |
| HI | Placement of Reflectorized Tape | 33 | 33 | 33 | 33 | 33 | 33 | ± 1.0 |
| IJ | Back Upper | 12 | 12 | 12 | 12 | 12 | 12 | ± 1.0 |
| JK | Back Pocket Opening | 14 | 14 | 14 | 14 | 14 | 14 | ± 1.0 |
| | Length of Drawcord | 120 | 120 | 120 | 120 | 120 | 120 | Minimum |

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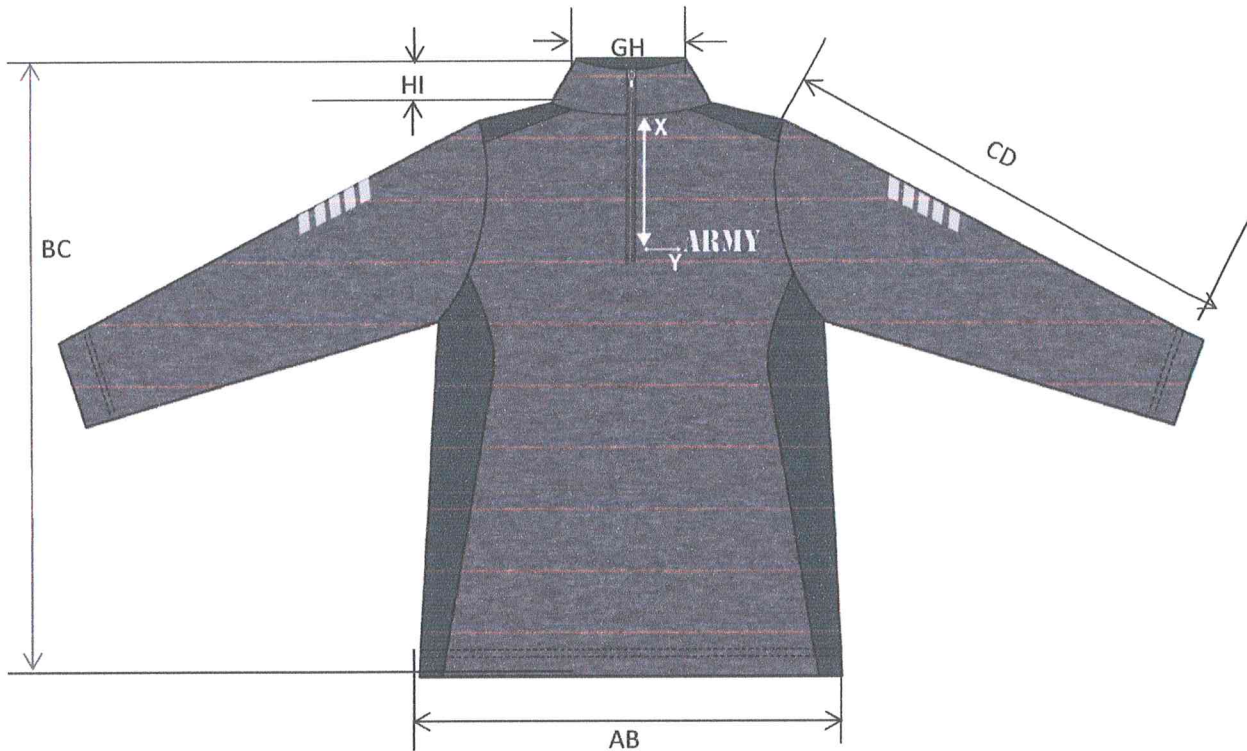
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JOGGING SUIT, ATHLETIC
LONG SLEEVE SHIRT, MALE



FRONT VIEW

FIGURE 1

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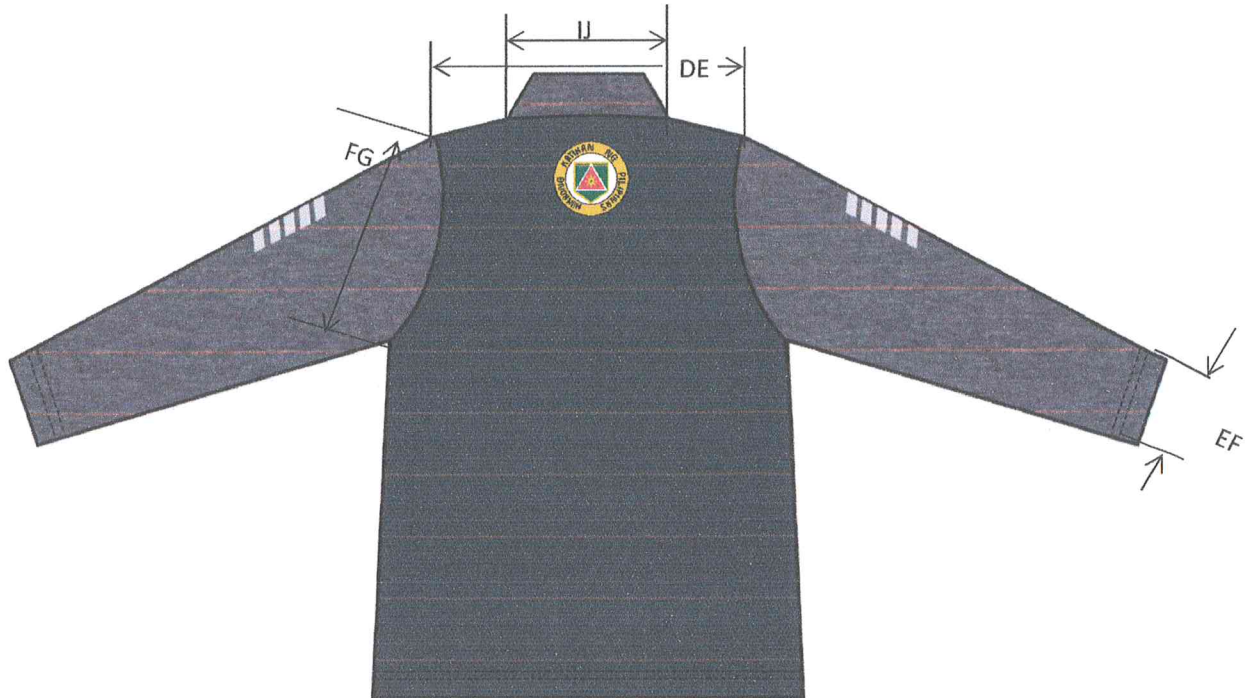
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JOGGING SUIT, ATHLETIC
LONG SLEEVE SHIRT, MALE



BACK VIEW MALE

PHILIPPINE ARMY LOGO (OFFICIAL)

(Measurement in Centimeter)

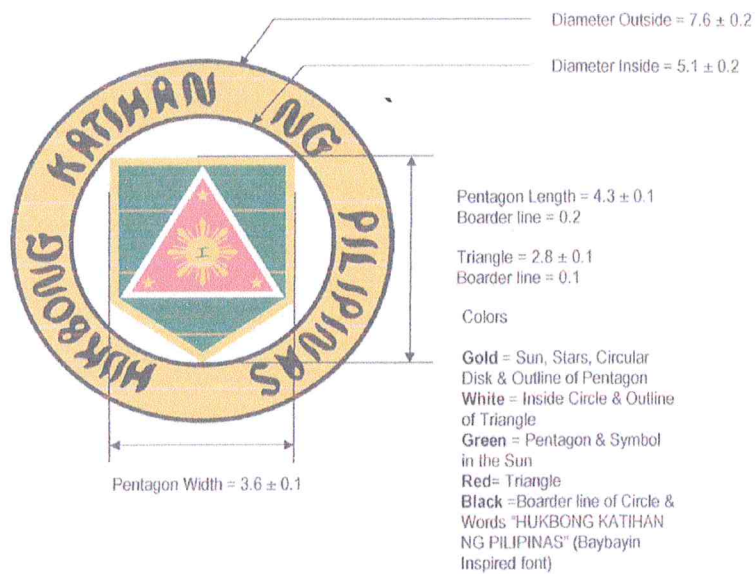


FIGURE 2

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Honor. Patriotism. Duty.

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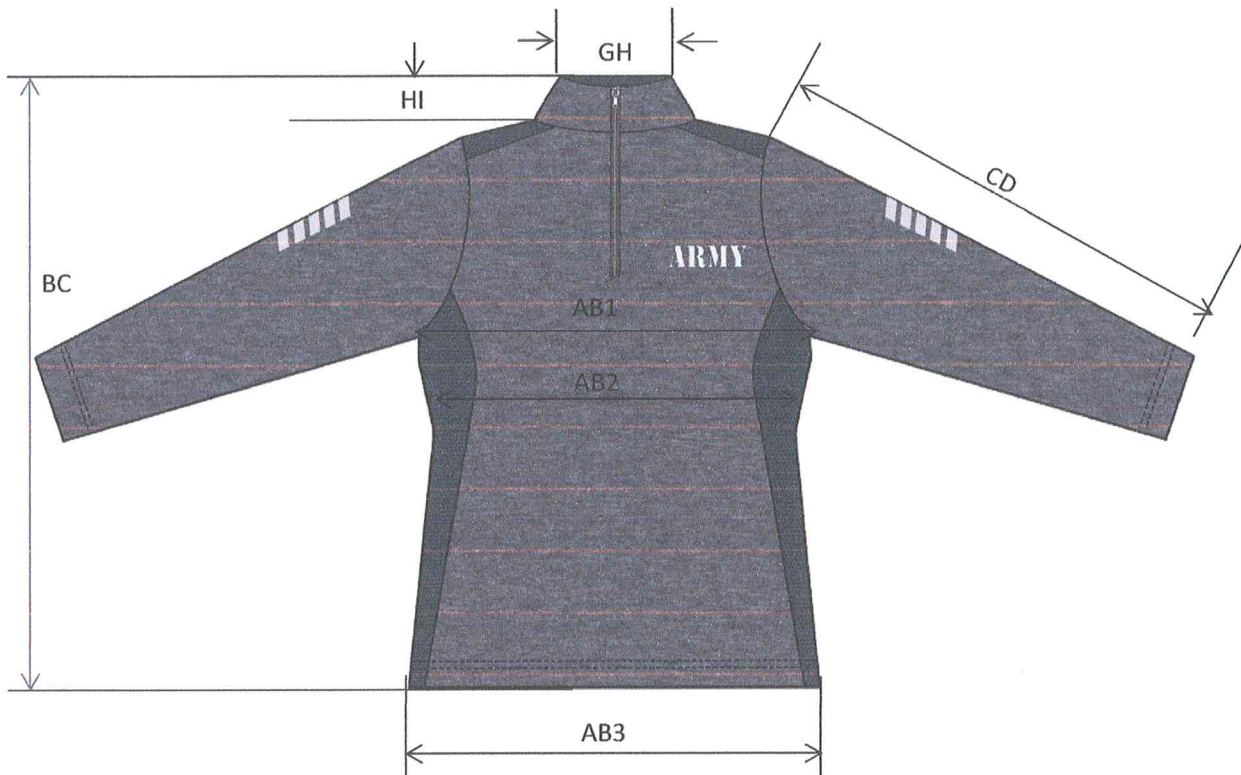
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JOGGING SUIT, ATHLETIC
LONG SLEEVE SHIRT, FEMALE



FRONT VIEW FEMALE

FIGURE 3

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JOGGING SUIT, ATHLETIC
LONG SLEEVE SHIRT, FEMALE



BACK VIEW FEMALE

FIGURE 4

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JOGGING SUIT, ATHLETIC
JOGGING PANTS

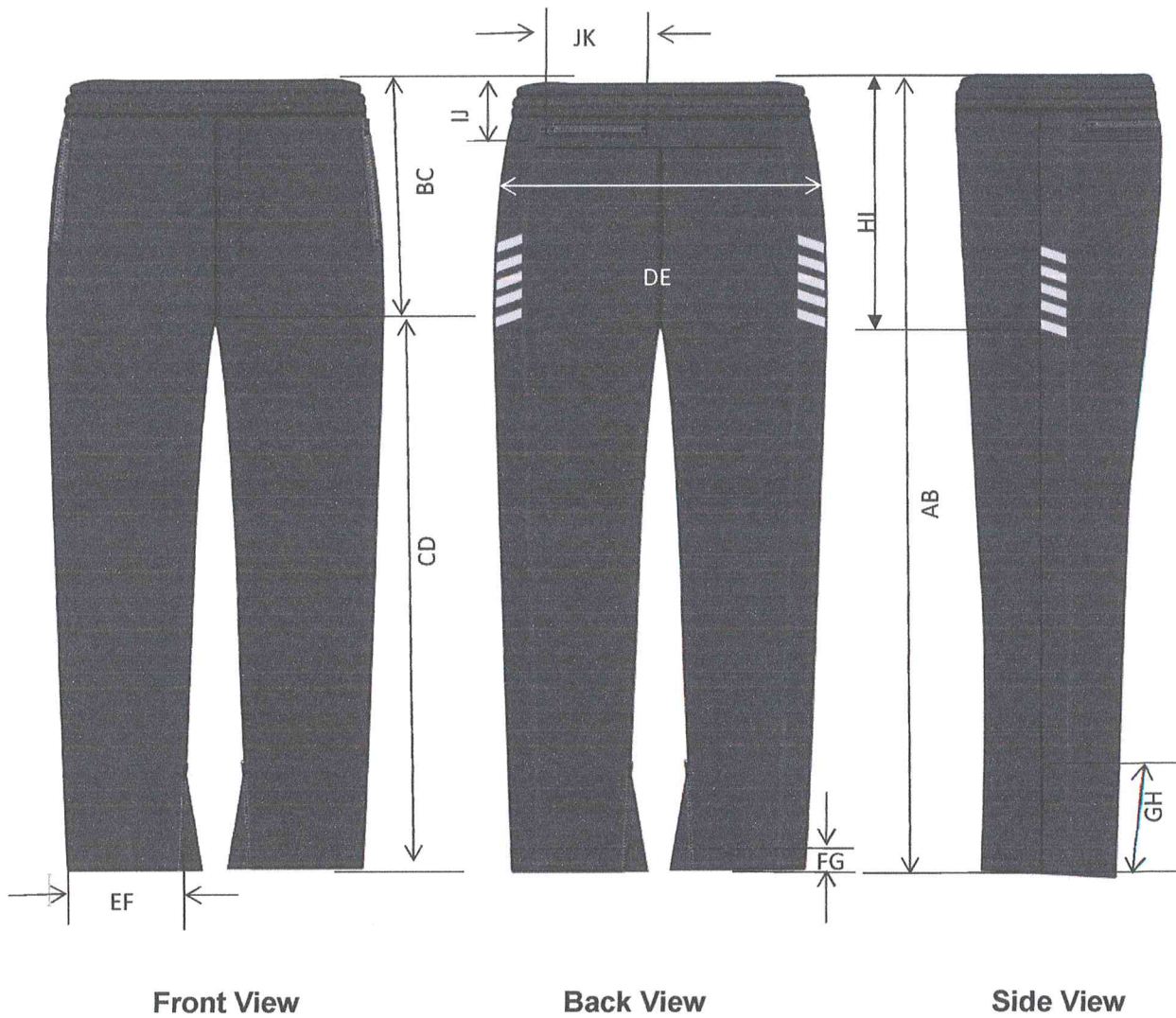


FIGURE 5