

RESTRICTED



IMMEDIATE

DID
OFFICE OF NRD (ITD
WING)

PN/DID/GENERAL/9585688

58455

See Distribution

02 August 2024

PROMULGATION OF AMENDMENTS IN PN SPECIFICATIONS : INCLUSION OF SECURITY CLAUSE IN PN SPECIFICATIONS OF CAMOUFLAGE DRESSES

Reference(s):

- A. PN/NS Dte/GENERAL/2142599 dated 31 July 2024

Apropos reference A, amendments in following PN Specifications of Camouflage Dresses and Weather proof Jackets are promulgated herewith for compliance/ future reference, please:

S.No	PN Specifications	Description
a.	03/ 2018	Dress Pak Marines 60% Cotton - 40 % polyester
b.	10/2014	Dress Pak Marines 100% Cotton
c.	04/ 2018	Dress SSG(N) 60% Cotton - 40 % polyester
d.	08/2014	Dress SSG(N) 100% Cotton
e.	02/2018	GSD Dress 4 60% Cotton - 40 % polyester
f.	01/2018	GSD Dress 4 100% Cotton
g.	05/2019	Weather Proof Jackets

AZHAR HUSSAIN TI(M)
CAPT PN
DID

RESTRICTED

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Encl(s):

1. Amendment in PN Specificatios w.r.t inclusion of security clauses

Distribution:

External:

Action:

CSD N
Attn: CO PNCSD

Chief Inspector of Naval Stores
Attn: IO CLOTHING CINS

DP Navy
Attn: ADP 33 PRE AND POST

Information:

DNS

DCINS

Internal:

Information:

MD ITD (AOL)

DID
Attn: SO TEXTILE I ID

PN/DID/GENERAL/9585688 approved by DID CAPT PN AZHAR HUSSAIN TI(M) on
02 August 2024 (1022 Hrs)

Note: Computer generated documents do not require signature

RESTRICTED

AMENDEMENTS IN PN SPECIFICATION 10/2014
DRESS PAK MARINES 100% COTTON
(BUSH JACKET & TROUSER)

FOR:

Article No	Page No	ITEM
16	8	<u>LABELS</u> 16.1 Main Label Each garment shall be bear the following information on main label attached on centre of collar and waist band, as indicated in the drawing: a. Contractor's name, initials or trade mark b. Batch No. with year of manufacturer. c. Item name/ item description. d. Contract number and Date. e. Material Composition
17.	9	<u>PACKING</u> Packing requirements shall comply with the details stated in the contract or order.

READ:

Article No	Page No	ITEM
16.	8	<u>IDENTIFICATION LABEL</u> 16.1 Main Label Each garment shall be bear the following information on main label attached on centre of collar and waist band, as indicated in the drawing: a. Contractor's name, initials or trade mark b. Batch No. with year of manufacturer. c. Item name/ item description. d. Contract number and Date. e. Material Composition 16.1.1 Unique Security Code/ tracking code with permanent ink should be embossed in the following way on inside of each Shirt and Trouser at a suitable place:

		<p>a. A unique security/tracking code (10-12 digits) with permanent ink should be embossed/ printed on the inner side of each Shirt and Trouser (preferably at collar or cuff) as well as the Trouser (inner side of the front/back pocket or waist belt).</p> <p>b. The complete security/ tracking code must start with a 4-letter alphabet to represent manufacturing supplier/ firm name followed by 6 to 8 digits. For instance, 'ABCD00010786' for M/s ABCDE or 'CBAD00020786' for M/s CBADEF.</p> <p>c. Specific alphabet should be defined in indent of store initiated by concerned depot.</p>
17.	9	<p><u>PACKING DETAILS</u></p> <p>17.1. The store when ordered to be delivered 'PACKED' shall be packed as per following instructions:</p> <ul style="list-style-type: none"> • Each Dress shall be properly folded length wise. • Unique Security Code (as embossed on the Inside of each items) alongwith corresponding Barcode, may also be indicated on outside of each polythene bag in form of stickers at a suitable place. • The Dress shall be packed in a neat, dry and clean condition in polyethylene bag of suitable size. • 10 x Dress shall be further packed in a thick Boxboard/Flouring. • Complete list of tracking/ security code must be Placed inside the thick Boxboard/ Flouring. • Each Box Board packing shall be securely and properly packed. • Each box board shall consist of same size.



MDITD
NSSD WEST WHARF
ROAD KARACHI

PN/MDITD/03/635514

58410

See Distribution

10 May 2017

AMENDMENT IN PN SPECIFICATION 10/2014:11/2014 DRESS PAK MARINES

Reference:

- A. DITD letter PD/2400/10/ DRESS PAK MARINE/12/87 dated 14 Jan 16
- B. PN CSD letter CSD/405/R D/2537 dated 23 Dec 15
- C. DITD letter PD/2400/DRESS PAK MARINE/12/169 dated 13 Jan 15
- D. PN CSD letter CSD/PG/525/194 dated 28 Jan 16

1. PN Specification No. 10/2014 and 11/2014 for Dress Pak Marines were promulgated vide reference C. Following amendments has been done and forwarded for inclusion at your end please.

a. Amend Para (9.3) as follows:

For : Khaki 16-0726 TCX
Read : Green 19-0315 TCX

b. Add Para 9.8 as follows:

check
"Bar tack stitch be done at bush jacket on pocket and its flaps, collar, front placket, sleeves loops at trouser on front cross pockets ends, thigh pockets and its flaps, back pocket and pocket bag, loops at waist and fly."

c. Amend para 9.4 as follows:

The buttons to be fastened with same matching color thread

d. Addition of following tests at Para 7.1

S.No.	Items	Requirement
1.	Dimensional Stability test (3A) with tumble dry after 3 washes ISO : 6330; BS EN 25077	± 2%
2.	Appearance after 5-10washes (3A) with tumble dry ISO : 6330	Satisfactory

60/12/15

PG

PI next to complicate

CLOTHING STORES DEPOT	
INWARD MAIL	
INWARD NO	1706
DATE	11-05-17
CAPT	
EXO	
GO (PG)	
GO (LP)	
SECY	
ACTION BY	Go PG
ACTION DATE:	

3.	Pilling resistance after 2000 cycles ISO : 12945-2	Grade 4
4.	Abrasion resistance after 3000 cycles ISO : 12947-2	Satisfactory
5.	pH level AATCC – 81; ISO 3071	6-8

e. Drawing Page No. 11, 12, 14 and 15 are also amended with some additional details; same are enclosed.

f. Amend para 7.1 (t) of PN Specification no. 11/2014 only as follows:

FOR	Ground Print	Vat and Disperse dyed Pigment printing
READ	Ground Print	Vat and Disperse dyed Vat and Disperse printing

IJAZ AHMAD
Capt PN
DITD

Encl(s):

1. Dress Pak Marines Shirt
2. Dress Pak Marines small parts
3. Dress Pak Marines trouser
4. Dress Pak Marines trouser small parts

Distribution:

External:

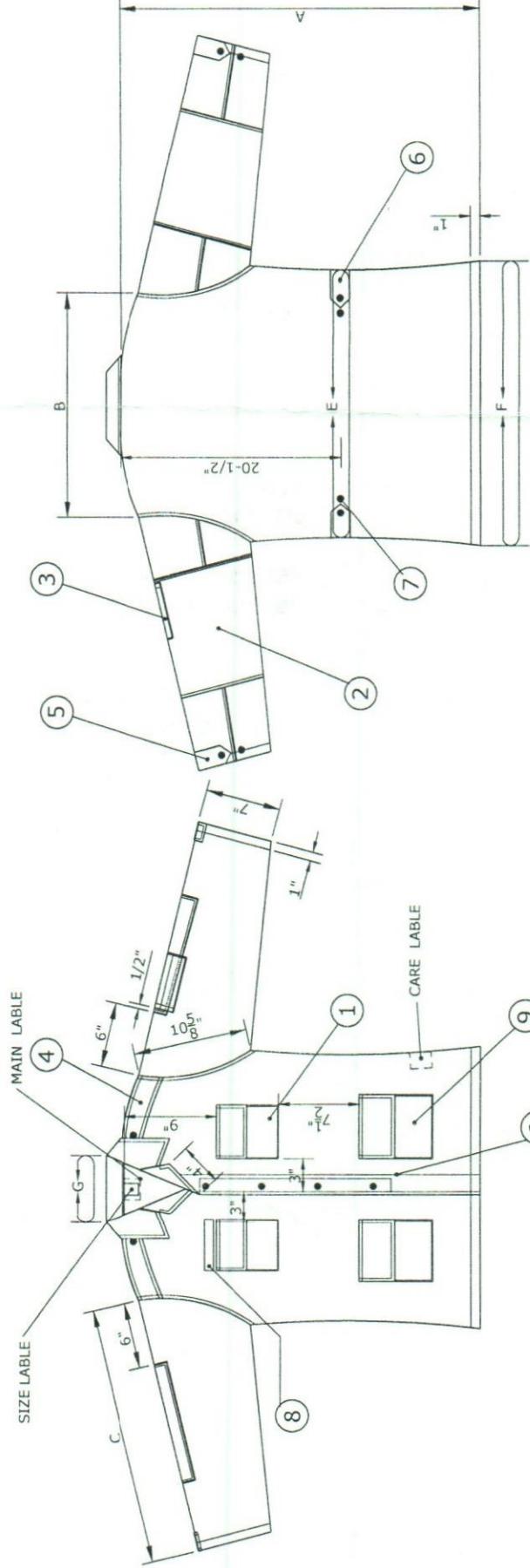
Action:

DNS

DP NAVY

CINS

CO PNCSD

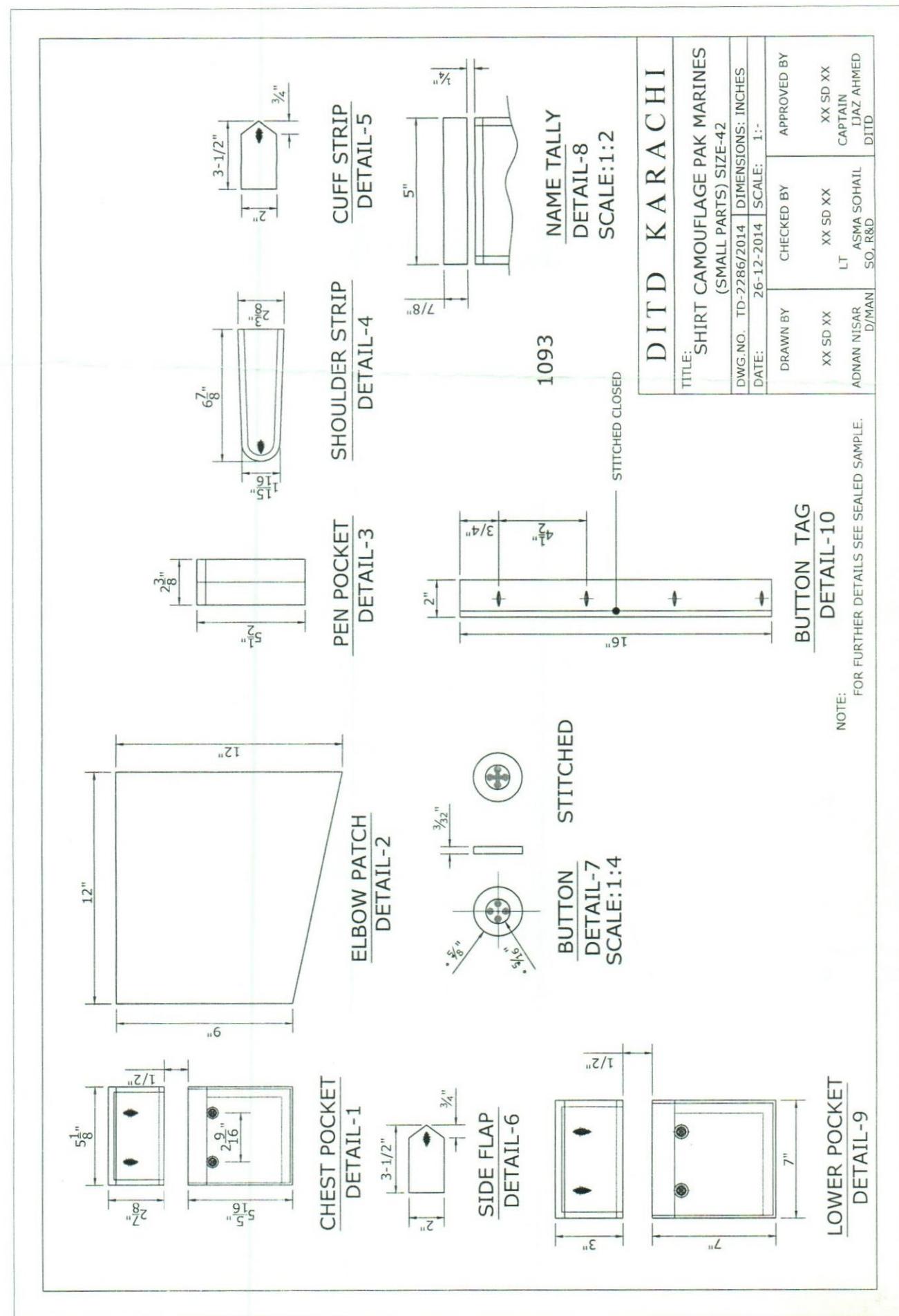


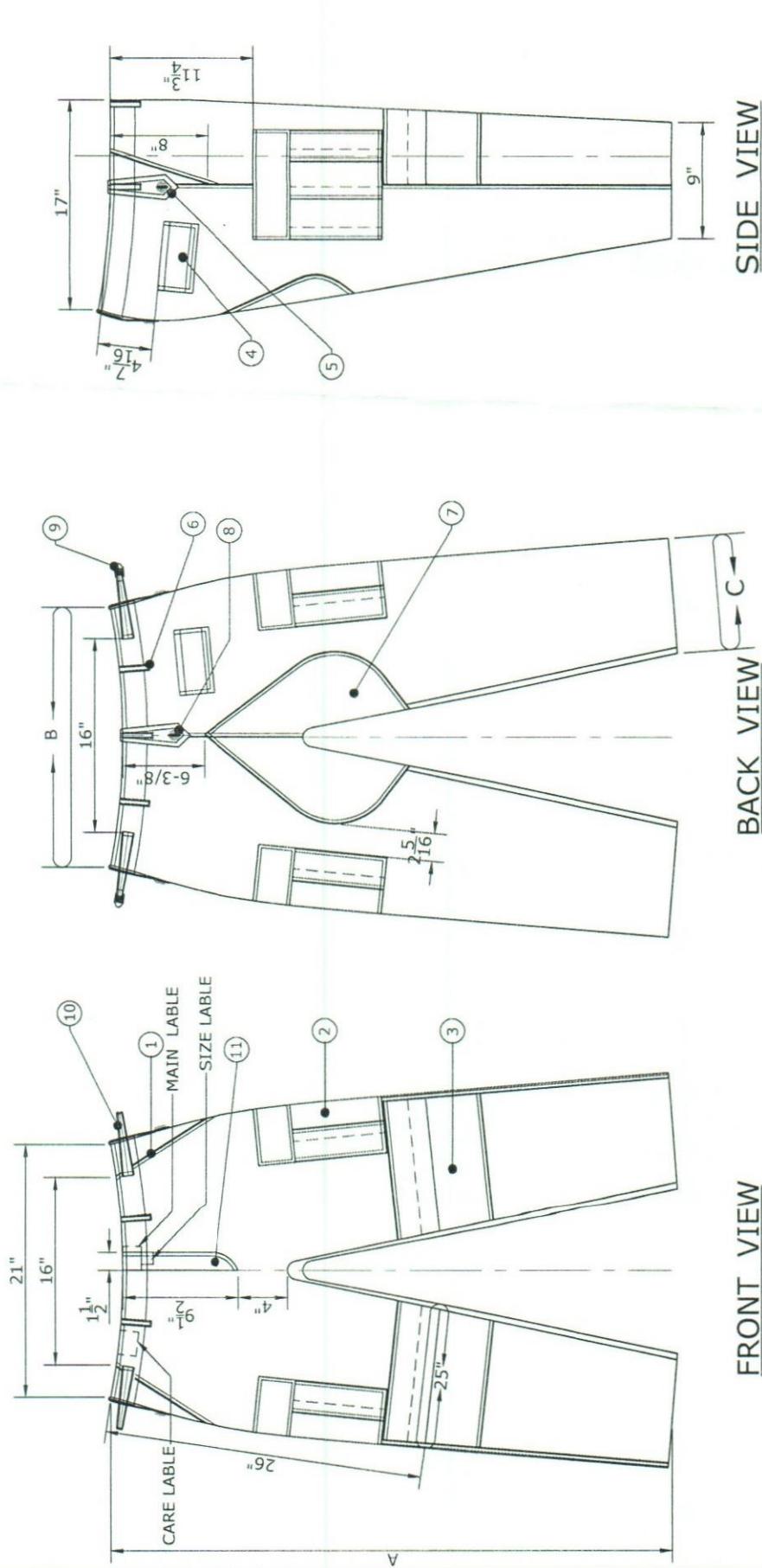
FRONT VIEW

1092

BACK VIEW

DITD KARACHI		TITLE: SHIRT CAMOUFLAGE PAK MARINES (MAIN BODY) SIZE-42	
DWG.NO.	TD-2285/2014	DIMENSIONS: INCHES	
DATE:	26-12-2014	SCALE:	1:12
DRAWN BY	CHECKED BY	APPROVED BY	
XX SD XX	XX SD XX	XX SD XX	
S.NO	ITEM	QTY	MATERIAL
		L.T.	ASMA SOHAIL SO.R&D
			CAPTAIN IJAZ AHMED GMPD
			NOTE: FOR FURTHER DETAILS SEE SEALED STOCK SAMPLE.





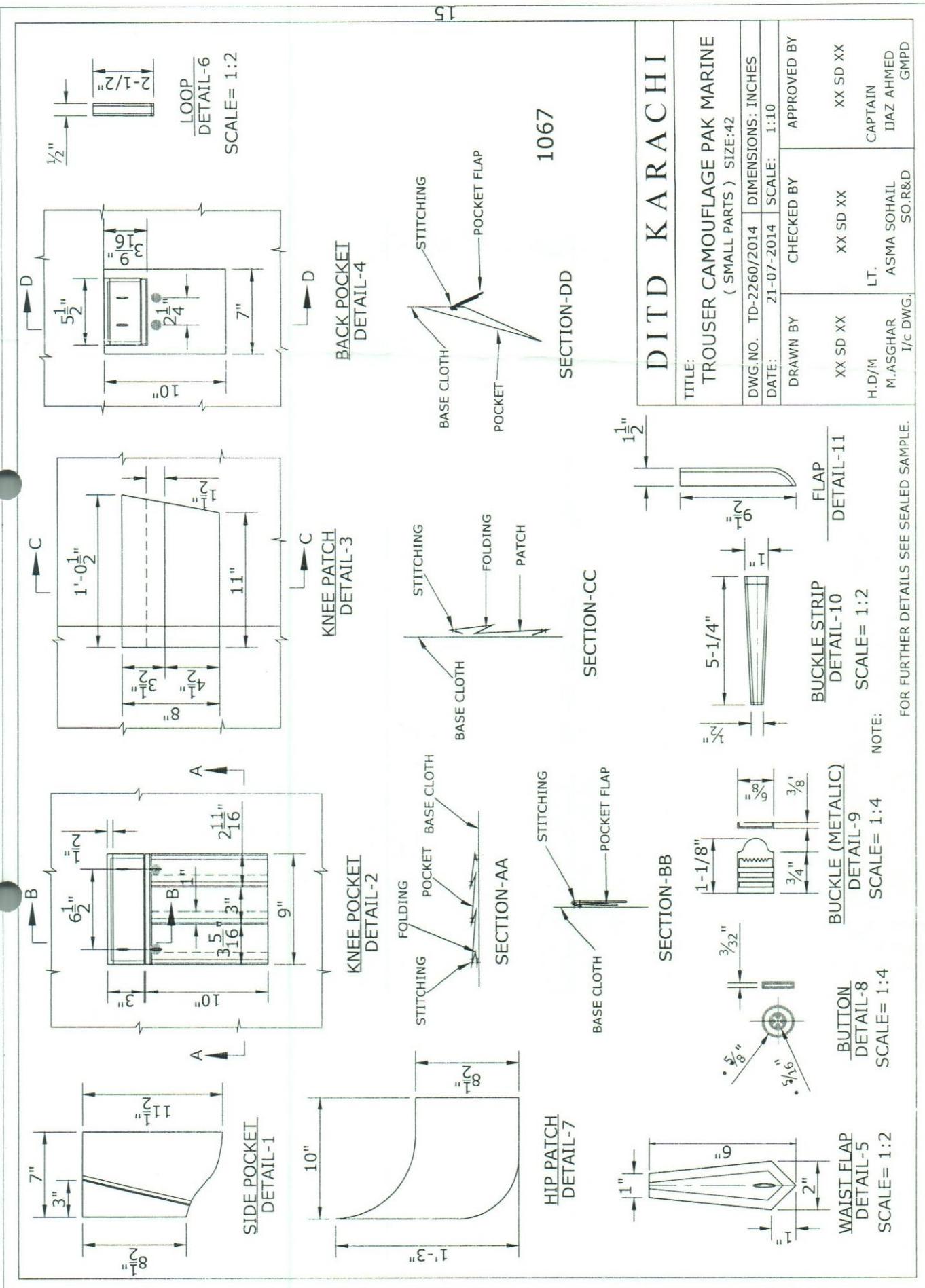
SIDE VIEW

BACK VIEW

FRONT VIEW

S.NO	ITEM	QTY	MATERIAL	H.D/M	L.T.	DESCRIPTION	CAPTAIN IJAZ AHMED GMPD
11	FLAY	1	FABRIC			DITD KARACHI	
10	BUCKLE STRIP	4	FABRIC				
9	BUCKLE	2	METAL				
8	BUTTON	13	PLASTIC			TROUSER CAMOUFLAGE PAK MARINES (MAIN BODY)	
7	HIP PATCH	2	FABRIC			SIZE:42	
6	LOOP	7	FABRIC			DWG. NO. TD-2287/2014	
5	WAIST FLAP	3	FABRIC			DIMENSIONS: INCHES	
4	BACK POCKET	1	FABRIC			DATE: 26-12-2014	
3	KNEE PATCH	2	FABRIC			SCALE: 1:12	
2	KNEE POCKET	2	FABRIC			CHECKED BY	APPROVED BY
1	SIDE POCKET	2	FABRIC			XX SD XX	XX SD XX

FOR FURTHER DETAILS SEE SEALED SAMPLE.





PAKISTAN NAVY SPECIFICATION 10/2014

PROMULGATION DATE: 13 JAN 2015

DRESS FOR PAK MARINES (AFLOAT)
CAMOUFLAGE 100% COTTON
(BUSH JACKET & TROUSER)

Prepared by:

Directorate of Indigenous
Technical Development
at NSSD, West Wharf Road
KARACHI
Tel: 021 48508410
Fax: 021 99214765

AMENDMENT RECORD

Amd No	Date	Text Effected	Signature and Date

REVISION NOTE

The specification has been prepared to bring the test methods and procedures into line with up-to-date PN requirements and facilities held in Pakistan. CINS may request to amend any test requirement/ test procedure in light of the experience emanating from its inspection history, through the performa placed at Annex E. However, such an alteration will be effective when the amendment is promulgated by this Directorate, and will be effective on the contracts which materialize after the promulgation date of respective amendment.

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1. **DESIGNATION**

1.1 Dress for Pak Marines Afloat 100% Cotton Camouflage (Bush Jacket & Trouser)

2. **USAGE**

2.1 This dress will be used by Officers, CPOs and Sailors of Pakistan Navy (afloat) vide NHQ letter at reference ST-V/0901/425027, 425010/205 dated 17 Dec 14.

3. **INTRODUCTION**

3.1 This specification is prepared by Directorate of Indigenous Technical Development, Karachi, to provide necessary guidance to the potential manufacturers/ suppliers of the items mentioned herein. This specification is to be used for testing and deciding upon acceptance, or otherwise, of the items mentioned. Any alteration or addition in this specification can be suggested to ITD Directorate. However, it cannot be implemented without prior approval of DITD. This specification supersedes and replaces PN Specifications No. 04/2013 promulgated earlier in relation to the items mentioned herein.

3.2 This specification booklet includes 05 Annexes and consists 21 pages, including the cover.

4. **SCOPE**

4.1 This specifications defines the requirements for cloth made from cotton to be used in the manufacturing of uniform, namely Dress for Pak Marines Camouflage Afloat (Bush Jacket & Trouser) and the requirement of a standard finished garment.

5. **RELATED DOCUMENTS**

5.1 The standards and documents that have been referred to in this specification are:

- a. AATCC-20 Determination of fiber quality.
- b. ISO-3801 Determination of mass per unit length and area.
- c. ISO-7211/2 Determination of number of thread per unit length.
- d. ISO-7211/5 Determination of linear density of yarn removed from fabric.
- e. ISO-13934/1 Determination of maximum forced and elongation at maximum force using the strip method.
- f. ISO-105-B01 Colour fastness to Light (Day light).
- g. ISO-105-C03 Colour fastness to Washing test No. 3.
- h. ISO-105-E02 Colour fastness to Seawater test.
- k. ISO-105-X12 Colour fastness to Rubbing test.
- l. ISO-105-E04 Colour fastness to Perspiration .
- m. ASTM D 1230 Flammability of Apparels.

6. **TERMS & DEFINITIONS**

6.1 Definitions for the terms used in this standard are given at Annex C

SPECIFIC REQUIREMENTS**7. TECHNICAL DETAILS FOR CLOTH CAMOUFLAGE**

7.1 The required cloth shall have following parameters:

S NO	ITEM	REQUIREMENT	
a.	Material	65% Cotton 35% Polyester	
b.	Count of Yarn	Warp $21^s \pm 2$ Weft $16^s \pm 2$	(28 ± 2 Tex) (37 ± 2 Tex)
c.	Thread per Inch	Warp 110 ± 5 Weft 56 ± 5	(Ends) (Picks)
d.	Colors:	Blue Brown Green Khaki	Pantone # 19-4027 TCX Pantone # 19-0814 TCX Pantone # 19-0315 TCX Pantone # 16-0726 TCX
e.	Weave Pattern	Rib Stop	
f.	Thread/Rib	Warp Weft	3 each single 3 each single
g.	Size of Rib	Warp Weft	6mm ± 1mm 6mm ± 1mm
h.	Weight (gm/sq.mtr)	210gm ± 10 gm	
j.	Finish	Mercerizes and Sanforized	
k.	Dimensional Stability	Warp Weft	±2% ±2%
l.	Color fastness to washing (Test No. 3)		
	a. Change in Shade	GS: 4	
	b. Staining	GS: 4	
m.	Color Fastness to Rubbing (Dry) Staining	GS: 4	
n.	Color Fastness to Rubbing (Wet) Staining	GS: 4	
p.	Color Fastness to light Change in Shade	GS: 4	
q.	Color Fastness to perspiration		
	a. Change in Shade	GS: 4	
	b. Staining	GS: 4	
r.	Color Fastness to Sea Water		
	a. Change in Shade	GS: 4	
	b. Staining	GS: 4	
s.	Breaking strength in kg (10.2 cm x 20 cm BG)	Warp Weft	190kg (Min) 100kg (Min)
t.	Nature of Dye	Ground Print	Vat and Disperse dyed Pigment Printing
u.	Flammability	Class1 Flame spread time > 3.5 sec	
Addition of following tests at Para 7.1 vide DITD letter PN/MDITD/03/635514 dated 10 May 2017.			
1.	Dimensional Stability test (3A) with tumble dry after 3 washes ISO : 6330; BS EN 25077	± 2%	
2.	Appearance after 5-10 washes (3A) with tumble dry ISO : 6330	Satisfactory	
3.	Pilling resistance after 2000 cycles ISO : 12945-2	Grade 4	
4.	Abrasion resistance after 3000 cycles ISO : 12947-2	Satisfactory	
5.	pH level AATCC – 81; ISO 3071	6-8	

u.	Flammability	Class1 Flame spread time ≥ 3.5 sec
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7.2 The cloth shall be pre-shrink by sanforizing.

8. SCHEDULE OF MEASUREMENT

8.1 All measurements and drawings of Bush Jacket and Trouser are given at Annex A and Annex B respectively.

9. GARMENT MANUFACTURING DETAILS

9.1 A standard pattern garment, which is to be obtained from Pakistan Navy Clothing Store Depot, is to provide the criteria for all materials, components or manufacturing features/ garment operations, which may not be fully defined in this specification.

9.2 Any queries for material, components or manufacturing features/ garment operations which are not defined in this specification will be routed to DITD and amendment in specification will be promulgated accordingly.

9.3 The sewing thread should match with the main fabric pantone and spun polyester.

Green 19-0315 TCX
Vide DITD letter PN/MDITD/03/635514
Dated 10-05-2017.

9.4 Buttons used should be Mat finished, 4 holes with 15 mm dia and black in colour.
The buttons to be fastened with same matching color thread
Vide DITD letter PN/MDITD/03/635514 Dt. 10-05-2017.

with cross sewing neatly as shown in diagram.

9.5 Seams and Stitching

9.5.1 Stitching must have 8-10 stitches per 2 cm and be correctly tensioned.

9.5.2 Top stitching on collar, shoulder and shoulder straps, waist strip, arm holes and pocket flaps seams are to be stitched 0.6 cm from the edge.

9.5.3 On sleeve back-joint, sleeve pocket, reinforced patch at elbow, double needle stitching and front pockets edge stitching required.

9.5.4 Buttonholes are to have at least 22 stitches per 2 cm and to be bar-tacked or taper barred.

9.5.5 On fly, cross pockets, knee and seat patches, cargo pockets, and side and seat seam, double needle stitching is required.

9.5.6 Top stitching on side pocket openings, back pocket flaps and 03 long belt loops are to be stitched 0.6 cm from the edge, the stitching is to be regular and unbroken.

9.5.7 Side seam and inseam are to be lapped towards the back.

9.5.8 The trouser shall have concealed button and button hole fly.

9.5.9 Two spare buttons each for bush jacket and trouser be provided/ stitched on the garment.

9.6. **Pocket Lining** The cloth for waist band lining and fly lining shall be same as base cloth. The material for pockets lining shall be 100 % cotton, plain weave and color shall be white.

9.7. **Inter Lining** The material of interlining for collar, shoulder straps, pocket flaps and trouser waist band should be of best trade quality woven fusing buckram.

9.8. "Bar tack static be done at bush jacket on pocket and its flaps, collar, front pocket, sleeves loops at trouser on front cross pockets ends, thigh pockets and its flaps, back pocket and pocket bag, loops at waist and fly." Vide DITD letter PN/MDITD/03/635514 Dt. 10-05-2017.

10. QUALITY OF WORKMANSHIP AND FINISHING

10.1 Workmanship and finish of the garment shall be equal to the sealed sample. It shall be best of its class and to the entire satisfaction of the inspector.

11. TESTING

11.1 The material shall be subjected to tests laid down in this specification in Art 7. The material may also be subjected to such tests which are deemed necessary by the inspection authority in order to determine their suitability.

12. TENDER SAMPLE

12.1 Tender sample to be approved by INS

12.2 For each contract following material shall be supplied by the manufacturer at the time of tendering.

- | | |
|---------------------|------------|
| a. Finished Garment | - 03 Nos. |
| b. Fabric | - 05 Meter |
| c. Fused Buckram | - 03 Meter |
| d. Buttons | - 10 Nos. |
| e. Stitching Thread | - 50 Grams |
| f. Buckle Black | - 04 Nos. |

13. ADVANCE SAMPLE

13.1 Advance sample, when required, shall be submitted in accordance with terms of the contract for inspection, testing and approval. The minimum quantities required are given as under.

04 Dresses	i. Best trade quality to be approved by INS. ii. All advance samples are to properly sealed and stamp with firms branded stamp. iii. 01 accepted sample is to be properly stamped by INS and returned to the firm for guidance, which may be produced before inspection team, at the time of bulk inspection.
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13.2 Approval of the sample mention in para 12 or 13 authorizes the commencements of bulk production, but does not relieve the manufacturers from compliance with all the provisions of this specification.

14. INSPECTION

14.1 **Bulk representative sample** B/R sampling will be carried out as per rules in vogue.

14.2 **Bulk Inspection** Bulk inspection will be carried out after satisfactory completion of Visual Examination and Testing of B/R Sample.

14.3 **Inspection of Garment** Each Bush Jacket/ Trouser at least 70% of the offered store shall be inspected. The guide lines for such examination/inspection are listed at Annex 'D'.

14.4 **INSPECTION/ ACCEPTANCE AND REJECTION OF STORES** Inspection/ acceptance is to be carried out to the satisfaction of Chief Inspector Naval Stores.

14.5 CINS reserves the right to reject the whole supply in case, upon examination, material or packing of any sample or portion of the consignment is found NOT CONFORMING to this specification.

14.6. If on examination 5% of any delivery, 20% of those examined from bulk supply are found NOT CONFORMING to this specification in respect of the pattern, dimensions, workmanship and finish, the whole consignment may be Rejected without any compromise.

14.7 **RESPONSIBILITY FOR INSPECTION** The supplier is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. PN reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

14.8 **RESPONSIBILITY FOR COMPLIANCE** The inspection set forth in this specification shall become a part of the supplier's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to PN for acceptance comply with all requirements of the contract. Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit PN to acceptance of defective stores (material).

15. **STAMPING OF ACCEPTED/ REJECTED STORES BY THE INSPECTOR**

Following instructions are to be followed:

15.1 **Stamping of Accepted Stores** Each acceptable garment shall be stamped with Inspector's Individual Acceptance Mark's. The stamping shall be legible.

15.2 **Stamping of Rejected Stores** The rejected garment shall be marked with Inspector's Rejection Mark's to avoid re-submission by the supplier.

15.3 The Inspector is the authority in all matters pertaining to inspection.

16. **LABELS**

16.1 **Main Label** Each garment shall bear the following information on Main Label attached on centre of collar and waist band, as indicated in the drawing:

- Contractor's name, initials, or trade mark.
- Batch No. with Year of manufacture.
- Item name/ item description

- d. Contract number and Date.
- e. Material Composition.

16.2 **Size Label** Each garment shall bear Size label attached just above Main label as indicated in the drawing.

16.3 **Care Label** Each garment shall have Care Label clearly mentioning washing and dyeing instructions both in English as well as Urdu attached as indicated in drawing.

17. **PACKING** * Amended PN/DID/GENERAL/9585688 dt 02-8-2024

Packing requirements shall comply with the details stated in the contract or order.

18. **MARKING OF STORES**

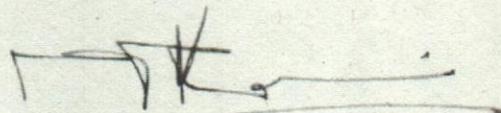
In addition to any special marking required by contract or order, the marking of packages shall be stenciled with quick drying Black ink/ Paint in accordance with Specification No. NS/MISC/002/80

19. **DELIVERY**

19.1 The consignment of store will be delivered in accordance with the terms of contract.

19.2 The store shall be delivered in Brand new, clean and dry condition.

19.3 The contractor / manufacturer is fully responsible for the safety of the supplies during inspection, storage at firms premises proper packing, dispatch and delivery up to consignee.



MUHAMMAD TAHIR KARIM

Captain Pakistan Navy

Director

Annexes:

- A. Schedule of measurements
- B. Drawings
- C. Terms & Definitions
- D. Guideline for Inspection – Specific Parts Defects
- E. Feed Back Performa

Distribution:

DNS

DP (N)

CINS

CO PNCSD

ANNEX A TO
PN SPECIFICATION NO. 10/2014
PROMULGATION DATE 13 JAN 15

SCHEDULE OF MEASUREMENTS – DRESS FOR PAK MARINES AFLOAT**Bush Jacket**

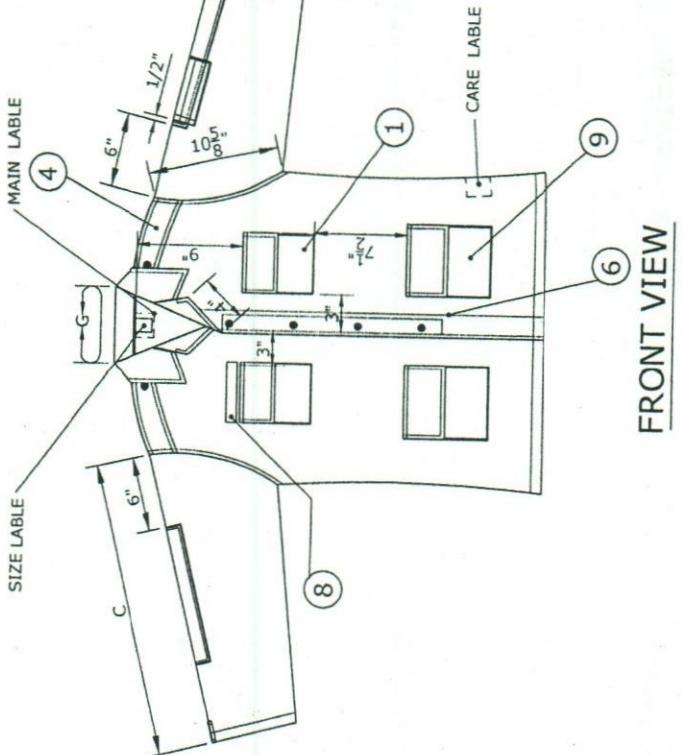
Size	Length (A)	Shoulder (B)	Sleeves (C)	Chest (D)	Waist (E)	Hip (F)	Collar (G)
28	30	17.5	23	38	36	40	14.5
30	30	17.5	23	40	38	42	15
31	30	18	23.5	41	39	43	15.5
32	31	18	23.5	42	40	44	15.5
33	31	18.5	23.5	43	41	45	15.5
34	31	19	24	44	42	46	16
35	32	19	24	45	43	47	16
36	32	19.5	24.5	46	44	48	16.5
38	32	20	24.5	48	46	50	16.5
40	33	20.5	25	50	48	52	17
42	33	21	25	52	50	54	17.5
44	33	21	25	54	52	56	18

Trousers

Side seam (A)	Waist (B)	Bottom (C)	Knee (D)	HIP
46	28	18	22	38
46	30	18	23	40
46	31	18	23	41
46	32	18	23	42
46	33	18	23	43
46	34	18	23	44
46	35	18	24	45
46	36	18	24	46
46	38	18	24	48
46	40	18	24	50
46	42	18	24	52
46	44	18	24	54

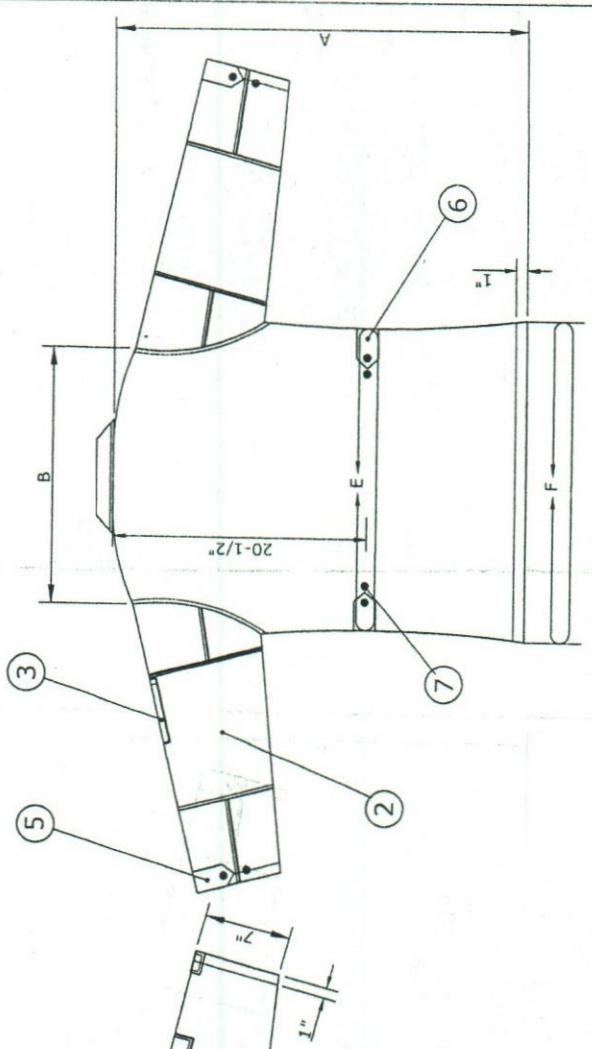
NOTE:

All measurements are in inches with tolerance of $\pm \frac{1}{2}$ inch.



FRONT VIEW

1092

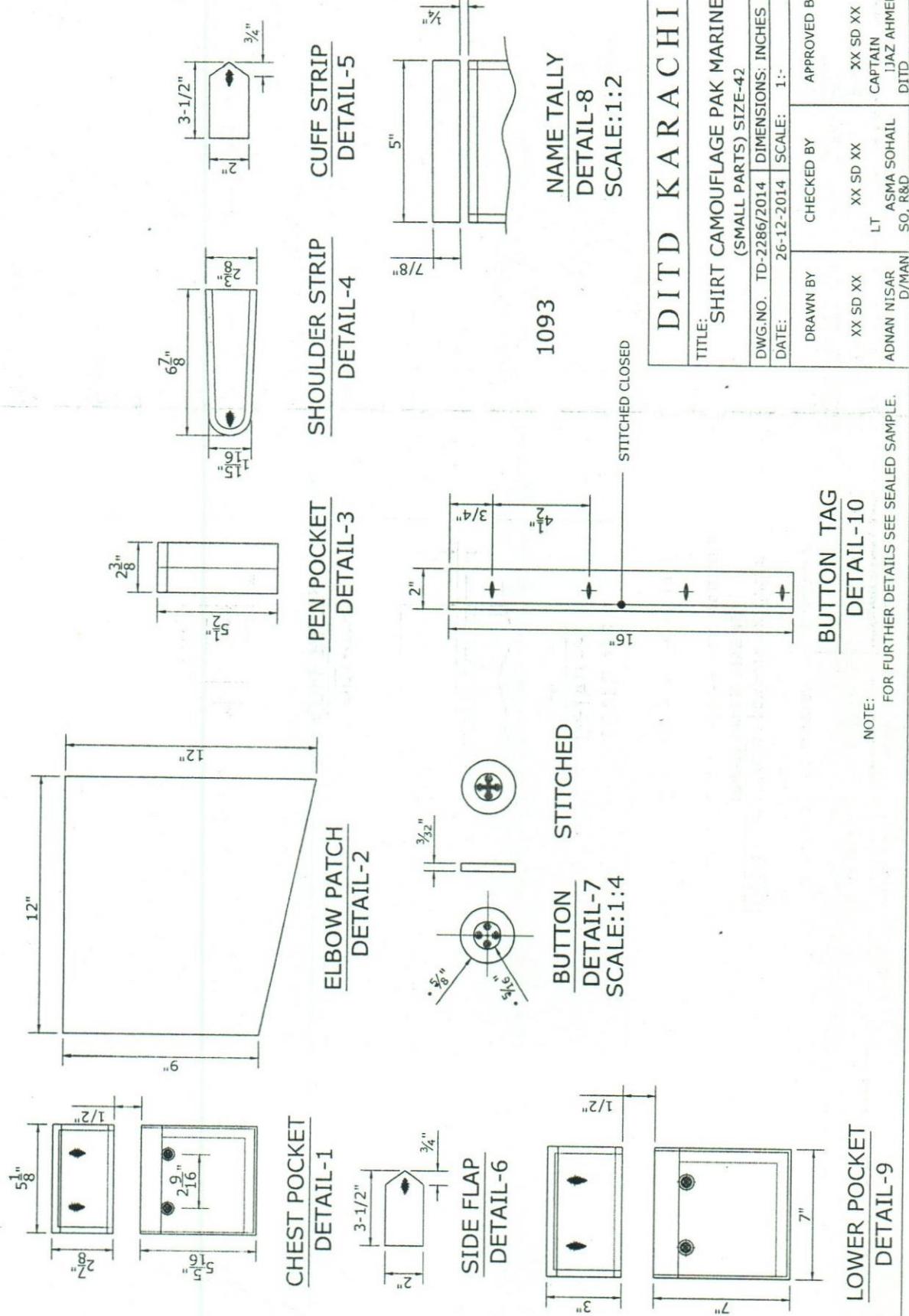


BACK VIEW

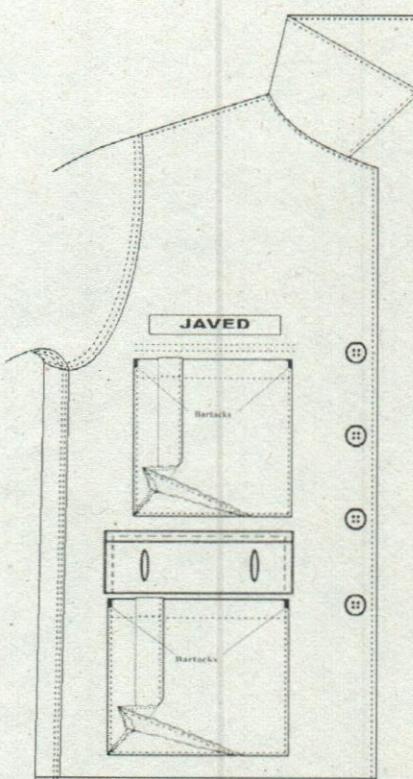
DITD KARACHI			
TITLE: SHIRT CAMOUFLAGE PAK MARINES (MAIN BODY) SIZE-42			
DWG.NO.	TD-2285/2014	DIMENSIONS: INCHES	
DRAWN BY	XX SD XX	SCALE: 1:12	
DATE:	26-12-2014	APPROVED BY	
CHECKED BY	XX SD XX	XX SD XX	
L.T.	LT. ASMA SOHAIL	CAPTAIN IJAZ AHMED GMNP	
ADNAN NISAR D/MAN	SO.R&D		
DESCRIPTION	ITEM	QTY	MATERIAL

S.NO	ITEM	QTY	MATERIAL
9	LOWER POCKET	02	FABRIC
8	NAME TALLY	01	VELCRO
7	BUTTON	22	PLASTIC
6	SIDE FLAP	2	FABRIC
5	CUFF STRIP	2	FABRIC
4	SHOULDER STRIP	2	FABRIC
3	PEN POCKET	1	FABRIC
2	ELBOW PATCH	2	FABRIC
1	CHEST POCKET	2	FABRIC

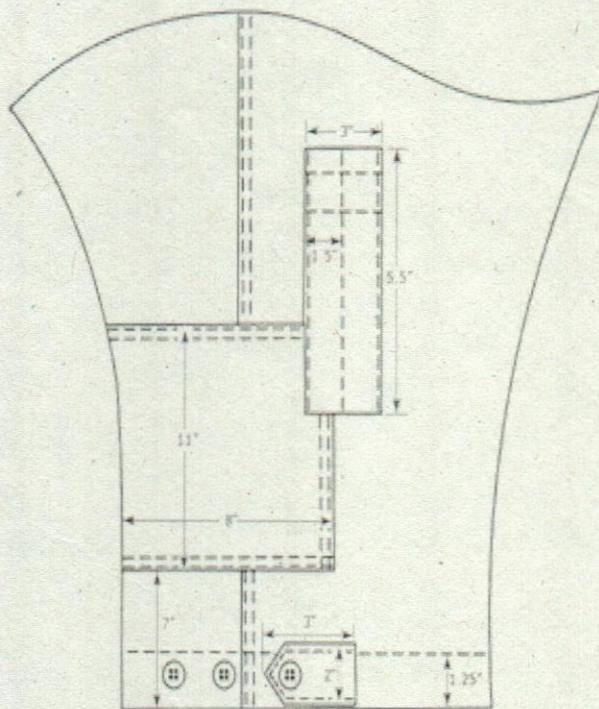
NOTE: FOR FURTHER DETAILS SEE SEALED STOCK SAMPLE.

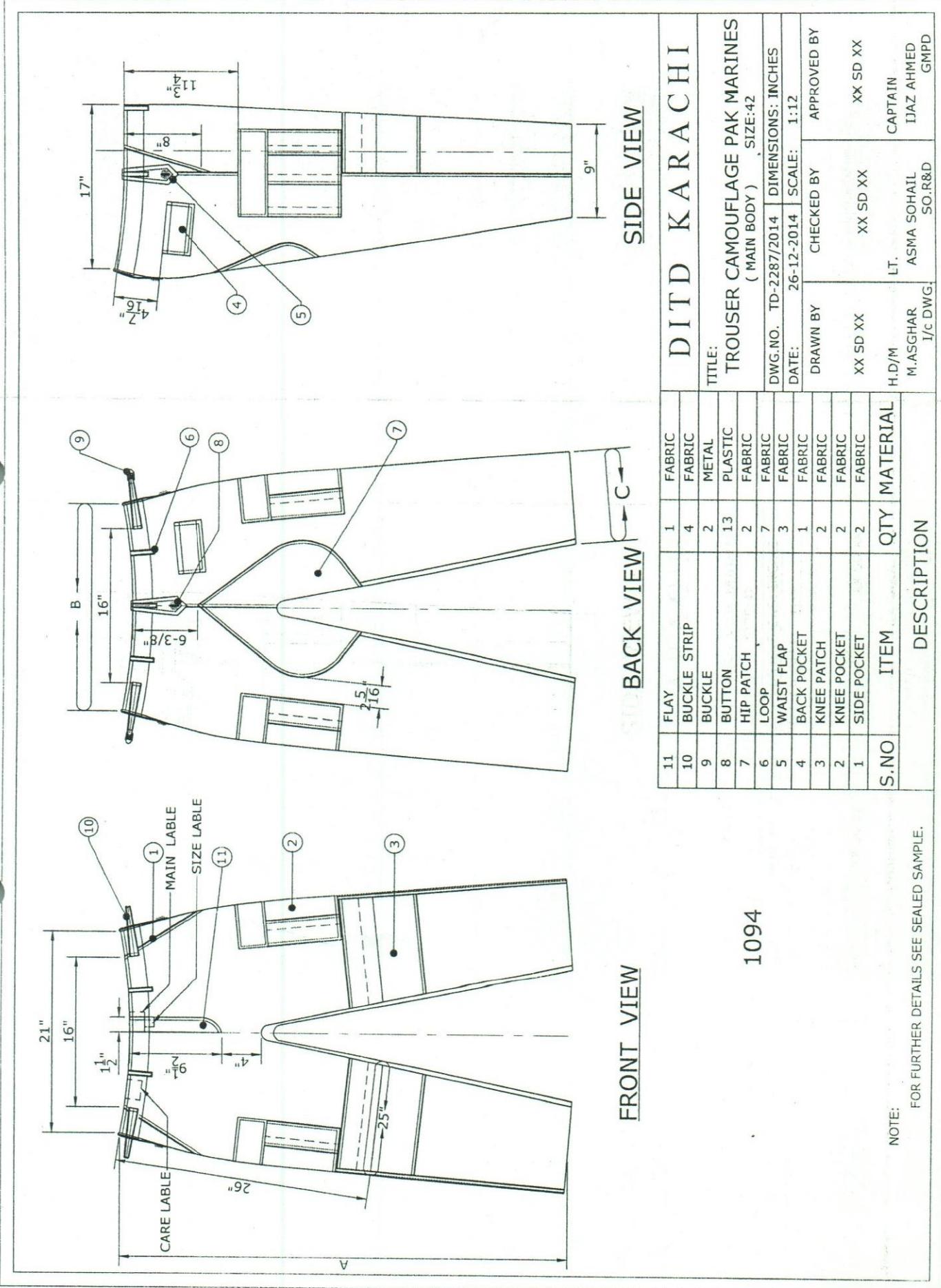


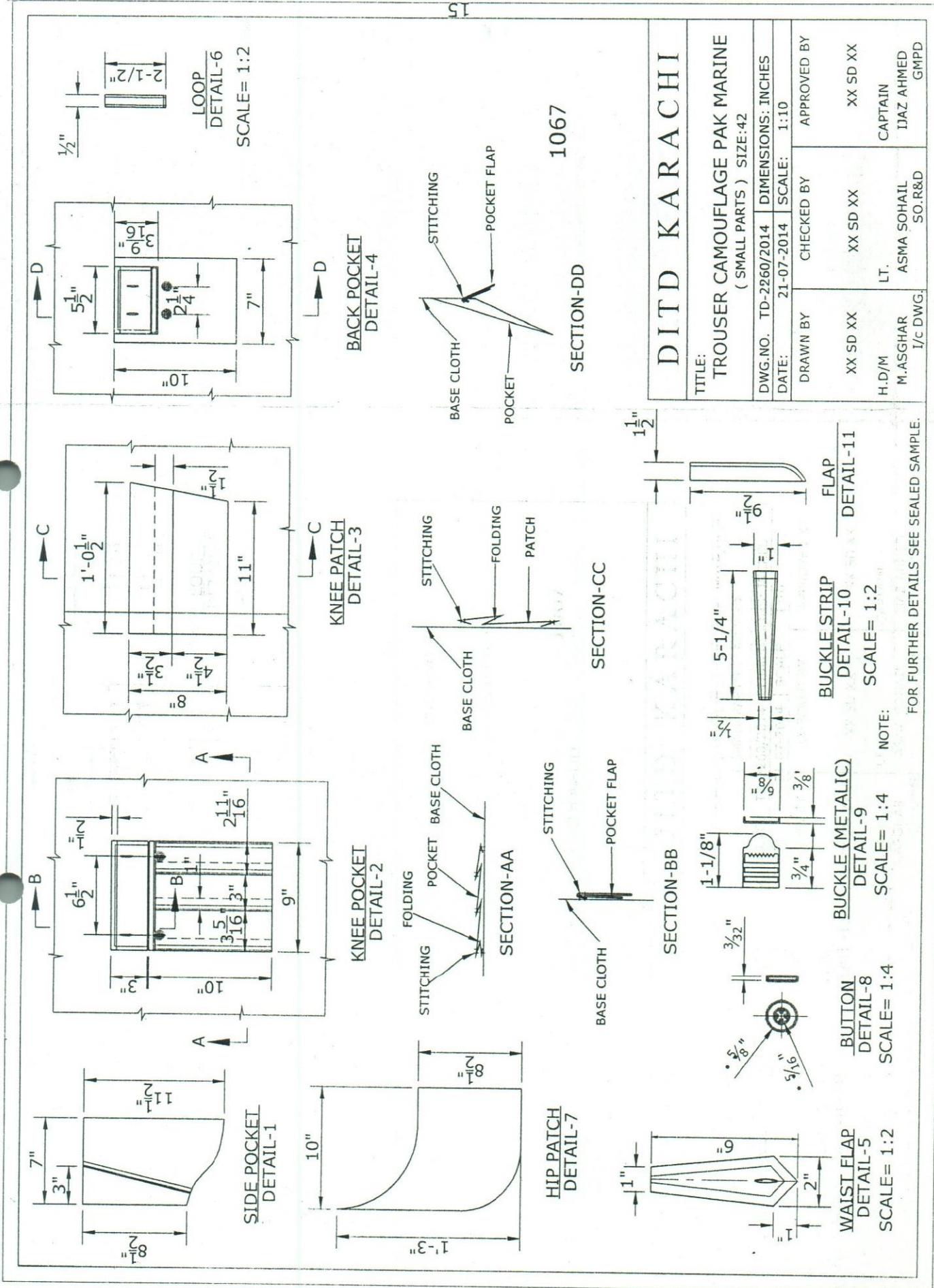
BREAST POCKET & LOWER POCKET



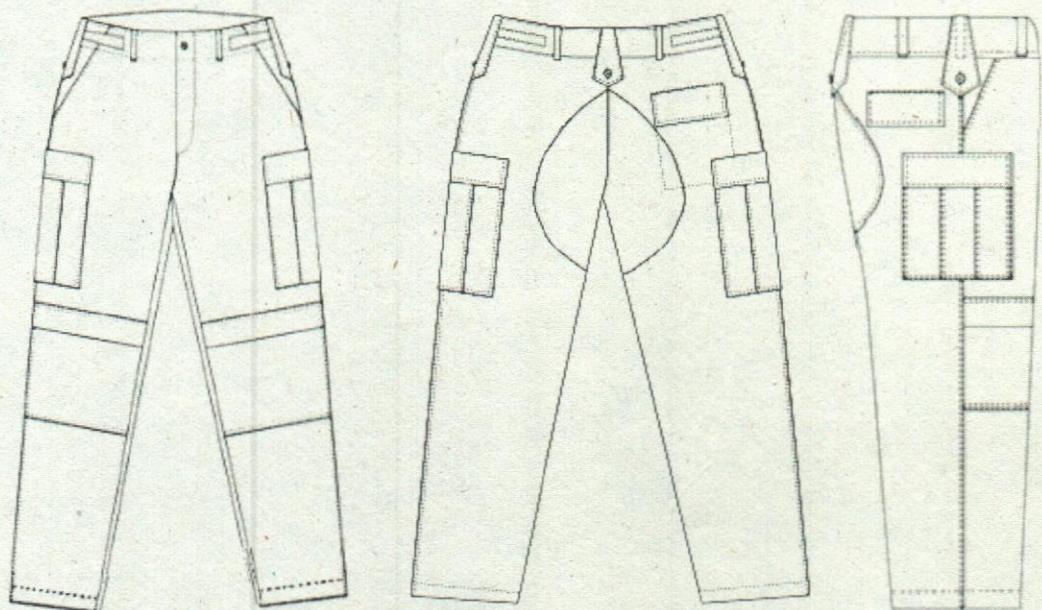
SLEEVE



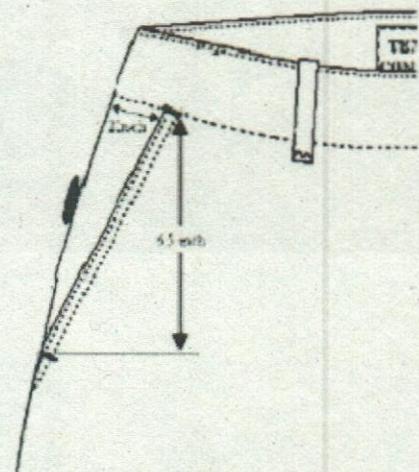




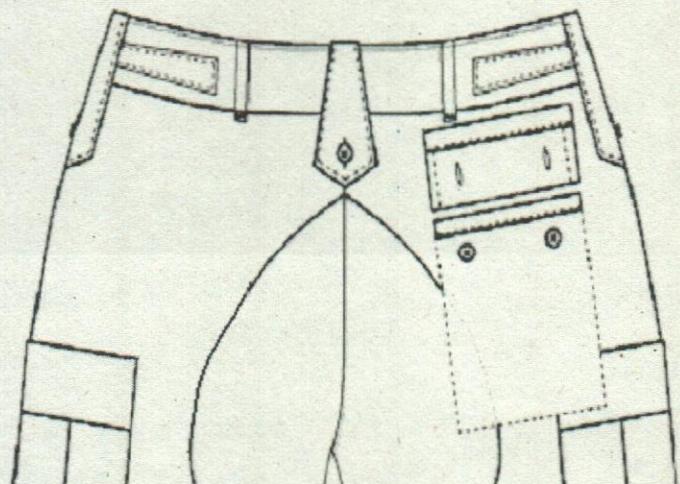
TROUSER FRONT, BACK & SIDE VIEW

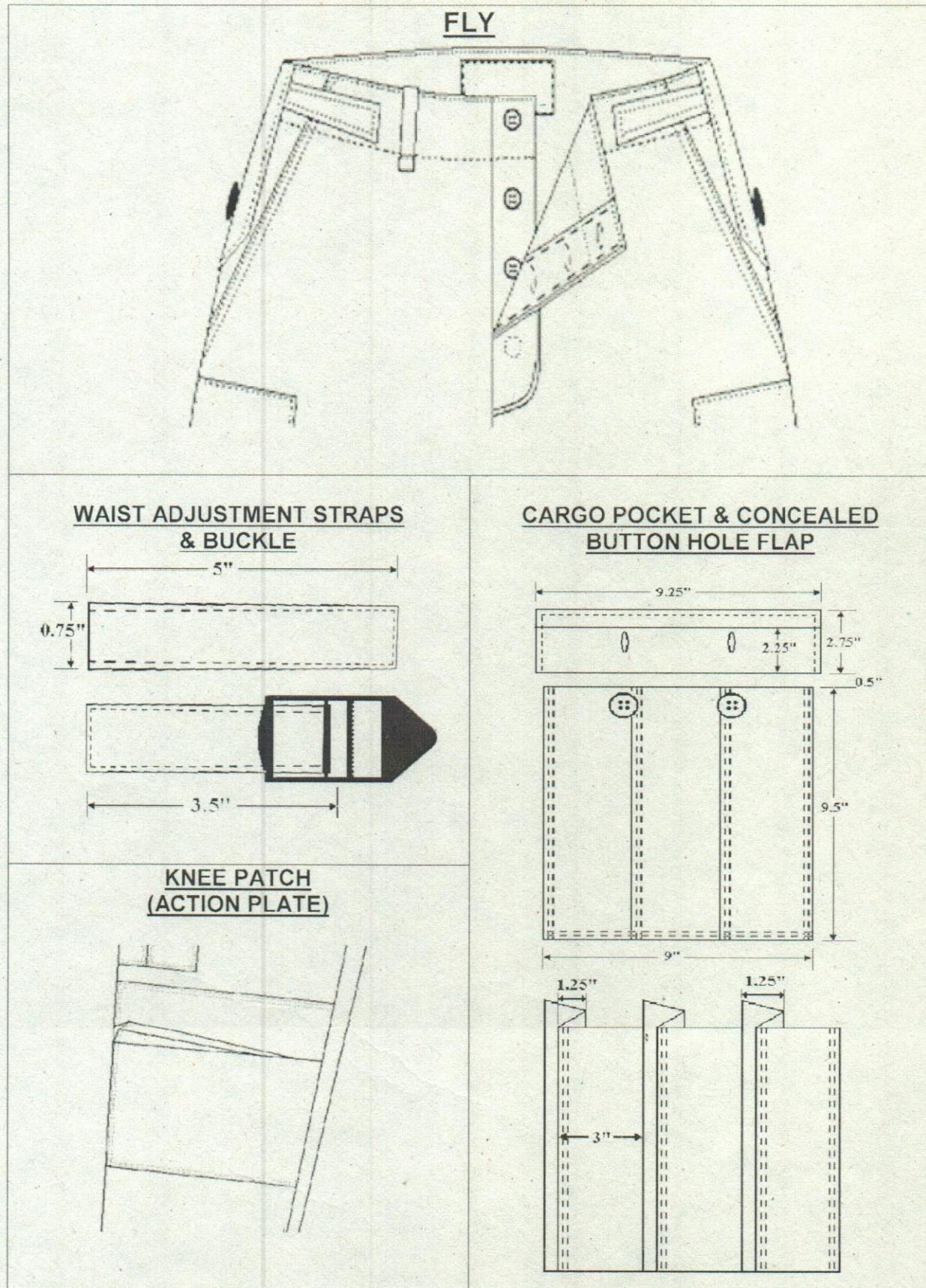


CROSS SIDE POCKET



HIP POCKET & CONCEALED
BUTTON HOLE FLAPS





ANNEX C TO
PN SPECIFICATION NO 10/2014
PROMULGATION DATE 13 JAN 15

TERMS & DEFINITIONS

1. **Inspection Authority**. Chief Inspector of Naval Stores (CINS). His verdict in respect of inspection matters is to be taken as final.
2. **Inspecting Officer**. An officer nominated by the Chief Inspector of Naval Stores (CINS) for carrying out inspection of stores supplied by the supplier, against a specified contract or order, in accordance with the particulars stipulated therein.
3. **Inspector**. The term inspector shall include the "Inspection Authority", inspecting officer and their representatives, duly authorized for the purpose of discharging inspection duties involved.
4. **Sealed Pattern**. It denotes a pattern, sealed and signed by the Inspection Authority & held in his custody, and represents the standard of store in respect of materials, dimensions, design, workmanship and finish, etc. There is only one sealed pattern for each store, which cannot be removed from custody of the inspection authority.

ANNEX D TO
PN SPECIFICATION NO 10/2014
PROMULGATION DATE 13 JAN 15

GUIDELINES FOR INSPECTION – GENERAL DEFECTS

Defect
1. <u>Material Defect and Workmanship Damages</u>
<ul style="list-style-type: none"> a. Any hole, scissor or knife tear, mend, burn or weakening defect, such as smash, multiple float, loose slub, or needle chews, that might develop into hole. b. Cloth stiffened, hardened, or seared by heat, where thermo activated shade. c. Any garment portion puckered, twisted, or pleated at joining seam.
2. <u>Shaded Parts</u>
<ul style="list-style-type: none"> a. Any part shaded or any shade bar.
3. <u>Colour</u>
<ul style="list-style-type: none"> a. Any component of not specified colour.
4. <u>Cleanliness</u>
<ul style="list-style-type: none"> a. Any slub, spot, or stain on outer side. b. Threads ends not trimmed or loose threads ends not removed (to be scored only when condition exists on major portion of garment). c. Any shade identification stamping visible on outer side.
5. <u>Component and Assembly</u>
<ul style="list-style-type: none"> a. Any component not as specified or any defect of component or defect of assembly not herein classified. b. Any component, component part, or required operation omitted or any other operation improperly performed not herein specified/ classified.
6. <u>Seams and Stitching</u>
<ul style="list-style-type: none"> a. Any seam twisted, puckered, or pleated (unless otherwise classified herein) b. Any part of Jacket and Trouser caught in unrelated operation or stitching.

- c. Any edge not properly forced out, i.e, having fold more than specified.
- d. Ends of stitching that are not caught in other seam or stitching not securely tacked.
- e. Ends of seams or stitches that are not caught in other seams or stitching secured but backstitched for distance less than specified.
- f. Thread breaks not securely overstitched
- g. Stitching tension tight resulting in breakage of stitches when normal pull is applied.
- h. Stitching per 20 mm on major portion of seam one or two stitches more or less than specified, except on labels.
- j. Stitches per 20 mm on major portion of seam more than three stitches more or less than specified, except on labels.
- k. Any bar tacks omitted, loose, misplaced or not serving intended purpose.
- l. Three or more bar tacks missing, loose, misplaced, or not serving intended purpose on multiple pencil compartment pocket.
- m. Skipped or broken stitches on one sewn eyelet.
- n. Skipped or broken stitches in two or more sewn eyelets
- p. Stitch tension loose resulting in loose seam.
- q. Stitches in sewn eyelet one or two stitches less than specified.

ANNEX E TO
PN SPECIFICATION NO 10/2014
PROMULGATION DATE 13 JAN 15

FEED BACK FORM

Item Designation: _____

Pattern #: _____

Parent Equipment: _____

PN SPEC #: _____

Problem Faced: _____

Technical Solution: _____

Financial Effect (if any): _____

Name Stamp

COUNTERSIGNED

Name Stamp