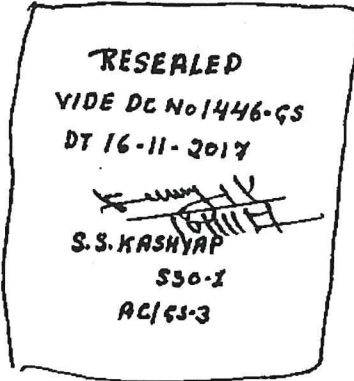


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SPECIFICATION NO. IND/GS/11 51 (c)



Government of India

Ministry of Defence

DGQA Organization

Specification

for

CAT PART NO. CN / 8465 -000024

CARRIER MAN PACK

Issued By

Controller

Controllerate of Quality Assurance (General Stores)

Department of Defence Production & Supplies

Ministry of Defence (DGQA)

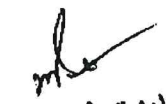
Kanpur - 208004

Price:

Year: 2017

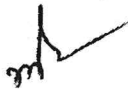

FOR CONTROLLER
AS(QA)
8/5/2018

गुणता आश्वासन नियंत्रणालय (सामान्य वस्तु)
Controllerate of Quality Assurance (GS)
पत्र बॉक्स नं-127, कानपुर
Post Box No.-127, Kanpur-208 004


GO(G.S.Y)

II
RECORD OF AMENDMENTS

Amendment Sr. No.	Date dd / mm / yy	Details of Amendments	Amendment Carried out by & Date


GO (GS-4)

- (III) -

INDEX

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FOREWORD

0.1 This specification has been prepared by Chief Inspectorate of General Stores Post Box No. 127, Kanpur on behalf of the Director General of Quality Assurance, Ministry of Defence, New Delhi. This specification was prepared on October 1964 and sealed vide DC No.5209 -GS dated 03-11-1964.

0.2 The Quality Assurance Authority for the store covered by this specification is the Controller, Controllerate of Quality Assurance [General stores], Kanpur-208004. Enquiries regarding this specification related to technical or any other contractual conditions shall be referred to the Quality Assurance Authority named in the purchase document viz. tender or contract.

0.3 This specification shall be used to guide procurement, manufacture & Quality Assurance of the store for which it is intended.

0.4 This Specifications is a live / dynamic document and is, therefore, likely to undergo changes. Any major change in design/material should have the approval of General Staff/Users, financial concurrence in the form of DGQA approval as it may involve some price difference. Therefore, a specification issued holds good only for the order for which it is issued.

1.0 SCOPE

- 1.1 This specification covers the requirement of Carrier Man Pack Cat. Part No. CN/8465- 000024, used for carrying the goods by Army personnel.

2.0 RELATED SPECIFICATIONS AND DOCUMENTS

S No	Specification No.	Title/Subject
a)	IS: 179-2009	Cotton Dosutie
b)	IS: 280 - 2006, Amdt.- 1 Re-2010	Mild Steel Wire For General Engineering Purposes
c)	IS:737 -2008 RA-2013	Wrought Aluminium and Aluminium Alloy Sheet and Strip For General Engineering Purposes
d)	IS: 1079 - 2009	Hot Rolled Carbon Steel Sheet and Strip
e)	IS : 1161- 2014	Steel Tubes For Structural Purpose - Specification
f)	IS : 1424 -1983 Amdt. 2 RA -2010	Cotton Canvas
g)	IS : 1720 - 1978, RA - 2012	Cotton Sewing Threads
h)	IS: 1912 - 1984, Amdt -1 RA- 2007	Country Jute Twine
i)	IS: 2102 (Part - I) 1993	General Engineering Tolerance for linear and Angular dimensions.
j)	IS: 2500 (Part -1)-2000 (3 rd Rev.) Amdt-1 Reaffirmed -16	Sampling, Inspection Procedure : Attribute Sampling Plan indexed by Acceptance Quality (Limit) (AQL) for lot by lot inspection

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S No	Specification No.	Title/Subject
k)	IS: 3252 -1987 – RA -2008	Shroud –Laid Cotton Lines
l)	IS: 4084 – 1978 Amdt. 2 RA-2013	Eyelets and Washers (SAIL)
m)	IS: 4905 – 2015 (1st Rev.) Amdt -1& Random sampling & Randomization Procedure	Method for Random Sampling
n)	IS: 6488 -1999, RA-2010	Textile – Cotton Webbing for Personal Web Equipment
o)	JSS: 8010 : 83 -2012	Paint RFU Finishing Air Drying Brushing/ Spraying War Equipment
p)	IND/GS/1541 (a)	Web Equipment Patt. 37- Brass Fittings
q)	CQA(GS)/US/324	Web Equipment Light Weight

3.0 REQUIREMENT

3.0 Shape & Design/ Dimension – CN/ 8465- 000024 Carrier Man Pack shall conform to the Shape & design and dimensions as shown in the Drawing Sheet attached to this specification.

4.0 MATERIAL

4.1 The Carrier Man Pack and its components shall be manufactured from the following materials.

Components of Carrier Man Pack

S No.	Components	Material
A i	Frame	M S, ERW Tubes 12.5 mm OD 1.25 mm Wall Thickness. The Tube shall conform ISI Specn No. IS: 1161 - 2014 (Grade – 310, as per Clause 11.2.1 Table 2)s except for dimensions.
ii	Bracket	M S, ERW Tubes 12.5 mm OD 1.25 mm Wall Thickness. The Tube shall conform ISI Specn No. IS: 1161 - 2014 (Grade – 310, as per Clause 11.2.1 Table 2) except for dimensions.
iii	Hook	M S, ERW Tubes 5.5 mm OD 1.25 mm Wall Thickness. The Tube shall conform ISI Specn No. IS: 1161 - 2014 (Grade – 310, as per Clause 11.2.1 Table 2) except for dimensions.
iv	Stop	M.S. Wire 15.00 mm Dia (hard) Confirming to ISI Spec. No. IS : 280- 2006, Amdt. -1
v	Sleeve	Mild Steel Sheet 1.25 mm Thickness Confirming to ISI Specn. No. IS :1079 - 2009
B	STRAP	
i	Web Thick OG 51mm	Specn.No. IS: 6488 -1999-RA-2010
ii	Sewing Cotton OG 27 Tex/ 9	IS : 1720 -1978, RA -2012

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C	STRAP WITH BUCKLE	
i	Web Thick OG 25mm	Specn.No. IS: 6488 -1999-RA-2010
ii	Dosootie OG	Specn.No. IS: 179 -2009
iii	Sewing Cotton OG 270 d Tex/ 9	IS : 1720 -1978, RA -2012
iv	Sewing Cotton OG 160 d Tex/ 6	IS : 1720 -1978, RA -2012
v	Quick Release Buckle Aluminium 25 mm to	Specn.CQA (GS) /US/324 and material as per IS: 737 -2008 RA-2013, Grade-53000
D	STRAP WITH TIP	
i	Clip End Strap Aluminium 25 mm	Specn.No IND/ GS/ 1541 (a), Sheet 4 of 4 except material which shall be as per IS : 737 -2008 RA-2013 and material as per IS: 737 -2008 RA-2013 Grade-53000
ii	Eyelet Aluminium Alloy W.E. Pattern	Specn.CQA (GS) /US/324 material as per IS: 737 -2008 RA-2013, Grade-53000
iii	Web Thick OG 25 mm	Specn.No. IS: 6488 -1999 RA-2010
iv	Sewing Cotton OG 270 d Tex//9	Specn. No. IS: 1720-1978, RA -2012
E	Tying Line	
i	Line Cotton O G 4 mm Dia	Specn. IS: 3252-1987 RA -2008
ii	Line Cotton O G6 mm Dia	Specn. IS: 3252-1987 RA -2008
iii	Twine Jute 3 Ply	Specn. IS: 1912-1984, Amdt-1 RA-2007
F	Canvas Back	
i	Canvas Cotton 680 gm O.G Un proofed	Specn.No. IS: 1424 -1983, Amdt. 2 RA-2010
ii	Sewing Cotton OG 270d Tex / 9	IS : 1720 -1978, RA -2012
iii	Eyelet Aluminium No. 24 with Washer	Specn. No. IS : 4084 -1978,s Amdt -2, RA -2013
G	Head Band	
i	Web Thick OG 51mm	Specn.No. IS: 6488 -1999-RA-2010
ii	Latex Foam Sponge Sheet Soft Quality 12 mm thick	To be best trade quality approved by SQAQ
iii	Sewing Cotton OG 270 d Tex / 9	IS : 1720 -1978, RA -2012
iv	Dosootie OG	Specn.No. IS: 179 -2009
v	Quick Release Buckle Aluminium 25 mm	Specn.CQA (GS) /US/324, material as per IS: 737 -2008 RA-2013, Grade-53000

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H	Shoulder Band Right & Left	
i	Canvas Cotton 680 gm O.G.Unproofed	Specn.No. IS: 1424 -1983 Amdt. 2 RA-2010
ii	Web Thick O.G. 25 mm	Specn.No. IS: 6488 -1999 RA-2010
iii	Dosootie OG	Specn.No. IS: 179 -2009
iv	Sewing Cotton OG 270 d Tex / 9	IS : 1720 -1978, RA -2012
v	Latex Foam Sponge Sheet Firm Quality 25 mm thick	To be best trade quality approved by SQAQ
vi	Quick Release Buckle Aluminium 25 mm	Specn.CQA (GS) /US/324, material as per IS: 737 -2008 RA-2013, Grade-53000
I	Load Rest	
i	Mild Steel Sheet 1.12 mm Thick	Specn.No. IS: 1079 :2009
J	Paint	
i	Paint RFU War Equipment Air Drying Brushing /Spraying Olive Green ISC-294	Specn.No. JSS: 8010 -83:2012.

5.0 PROCESSING / MANUFACTURING

5.1 The metals and Textile components of Carrier Man Pack shall be manufactured to shape and designed as shown in the plates attached to this specification. The outer Frame and the three horizontal bars shall be individually made from single piece of Tube and shall be properly bent to the shape and welded in position as shown. The end of the outer Frame shall be welded with a well fitting M. S. Sleeve mounted in position as shown. Care shall be taken to ensure that the Tubes do not get unduly flattened at the bends and the dia. of the Tube at the bend does not reduce by more than 25%. The Hooks, the Brackets and the Stops shall be formed to shape and dimensions and welded to the frame in proper position and alignment as shown in the plate attached to this specification. The Load Rest shall be made from single sheet and shall be correctly and neatly formed to shape and dimensions as shown. The whole frame and the Load Rest shall be thoroughly cleaned free from rust, grease, dirt and other foreign matter and Brushing / Spraying Olive Green ISC. 294. Second coat shall be applied after the first coat has thoroughly dried.

5.1.1 The Textile components ie the Straps, the Head Band, the Shoulder Bands, Straps with Tips, Straps with Buckles and the Canvas Back shall be properly stitched with specified lapping and folding of the cloth and other details of stitching as given in the plate attached to the specification. The Buckles shall not be cast. The holes for the Eyelets shall be punched with a punch of smaller diameter than the shanks of the Eyelets. The Eyelets shall be clinched tightly over these holes without any splits and deformation.

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5.1.2 The re- enforcement / Padding shall be properly fitted in position. The Textiles components shall be mounted to the Frame and tightly stitched in position as shown in the plate attached to the specification.

6.0 DIMENSION AND TOLERANCES

6.1 DIMENSIONS - The Carrier Man Pack complete shall conform to the dimensions as shown in the plates attached to this specification.

6.2 TOLERANCES - Unless otherwise specified, general tolerances shall be as per IS: 2102 (Part-I)-1993 (3rd Revision), Reaffirmed 2008, shall be Course Class (C).

7.0 WORKMANSHIP AND FINISH

7.1 The store shall be finished, smooth and free from splits, pits, dents, cracks, distortion and other manufacturing defects. All the joints shall be neatly and soundly welded. The welding shall be even, continuous and smooth and should not have burned off the material. The Eyelets should be clinched tightly without splits. The roughness, sharp edges, scratches and pits shall be removed and shall be painted after manufacturing in order to give bright finish. The Textile components should be in similar shades i.e. OG.

7.2 The load rest shall be properly formed and the holes shall be neatly pierced to size in the proper position as shown. The Tips and Buckles shall be free from splits, cracks, burrs, sharp edges and other surface defects and shall be properly fitted to the webbing. The Eyelets shall be properly clinched over the canvas and shall be free from cracks and sharp protrusions on the inside of the hole. The stitching shall be of even tension and free ends firmly finished of. The paint coating shall be uniform, flexible and firmly adherent and shall be free from any uncovered spots.

7.2 The general workmanship and finish of the Carrier Man Pack complete shall be of high standard.

8.0 PRE INSPECTION OF SUPPLIES BY THE PRODUCER

8.1 Manufacturers must satisfy themselves first that the store manufactured are in accordance with the contract and fully conform to the specification by carrying out thorough pre-inspection of each lot/batch before actually tendering the same for inspection to the Quality Assurance Officer nominated under the terms of the contract.

8.2 A declaration by the contractor that necessary pre-inspection / tests have been carried out on the store tendered are fit for inspection & test reports shall be rendered along with the challan/ offer letter. The declaration shall include the method followed in pre-inspection showing features checked/tested and the challan will be accompanied by the test reports.

9.0 QUALITY ASSURANCE

9.1 Examination of samples taken from any portion of the consignment or during quality assurance, shall conform to the requirement when tested in accordance with the methods against each in this specification.

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10.0 SAMPLING PROCEDURE

10.1 The supplier shall arrange the units of the homogeneous lot in such a way that all the units are easily accessible to the Quality Assurance Officer to enable him to draw samples from any portion of the homogeneous lot.

10.2 Sampling of stores shall be done adopting appropriate sampling method as per IS: 4905-2015, 1st Rev. Amdt.-1 so that samples drawn as per Sampling Table given for assessing various quality requirements, are true representative of the lot.

11.0 SCALE OF SAMPLING

11.1 Number of sample-units to be drawn for assessing the quality of the store, characteristic wise, should be in accordance with the Sampling Table for dimensional/non destructive/visual inspection and for detailed laboratory testing.

12.0 CRITERIA FOR CONFORMITY

12.1 All the sample units as specified in Table I and Table II are required to be tested/inspected irrespective of the rejection number ($=Ac+1$) being achieved earlier.

12.2 When the sample size equals or exceeds lot size, 100% inspection will be carried out.

12.3 The lot shall be considered conforming to the specified quality if the number of defective units observed in the samples is not more than the respective acceptance number of each class of defects.

12.4 The number of sample units to be sampled for laboratory testing should be a multiple of the number of characteristics/tests which cannot be carried out simultaneously on the same sample units.

12.5 Sampling for Visual Inspection:- The Quality Assurance Officer shall draw samples as per Table I above for dimensional/non-destructive/visual inspection to assess the quality of the lot. If the quality of the lot indicates conformity to the standards as laid down in Table I, sampling for laboratory test will be done. Otherwise, the lot shall be straightway rejected.

12.6 Sampling for Laboratory Testing:- If the lot is considered conforming to the quality standards as specified in Table I, above sampling for laboratory testing shall be carried out as per Table II above and the samples shall be subjected to the laboratory testing.

12.7 Bulk Inspection:- If the laboratory test report indicates that the lot does not conform to the standards as specified in Table II above, the whole lot shall be rejected. Otherwise, the lot shall be inspected 100% thoroughly for workmanship, finish and other critical & visual defects. All items found defective shall be rejected.

13.0 SAMPLING AND FORMATION OF LOT

13.1 The delivery shall be visually inspected by the Quality Assurance Officer at the spot in the first instance to ascertain its homogeneity in respect of nature, size, shape, source and year of manufacture. If it is homogeneous, the delivery shall be treated as one lot. If not it shall be segregated by the supplier into separate groups so that each group which is homogeneous within itself forms a lot.

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13.2 **SAMPLING TABLE**

Sampling plan AQL 4.0% as per Table 2- A for visual inspection (Based on general inspection level II) and Table 2- B for Laboratory testing (Based on inspection levels S-1 & S-3 AQL 4.0%) of IS: 2500 – Part I-2000

TABLE - I				TABLE - II					
Lot Size	No. of sample to be drawn by sampling officer for visual examination.			Samples for laboratory testing					
				For Physical testing (S-3)			For Chemical testing (S-1)		
(1)	Sample size. (2)	Acceptance No. (3)	Rejection No. (4)	Sample size (5)	Acceptance No (6)	Rejection No. (7)	Sample Size (8)	Acceptance No (9)	Rejection No. (10)
UP to 90	13	1	2	5	0	1	3	0	1
91 to 150	20	2	3	5	0	1	3	0	1
151 to 280	32	3	4	8	1	2	3	0	1
281 to 500	50	5	6	8	1	2	3	0	1
501 to 1200	80	7	8	13	1	2	5	0	1
1201 to 3200	125	10	11	13	1	2	5	0	1
3201 to 10000	200	14	15	20	2	3	5	0	1
10,001 to 35000	315	21	22	20	2	3	5	0	1

Note: -(i) Inspection level S-3 for physical and S-1 for chemical tests (individual sample to be tested)
(ii) The rejection number (Re) will always be one more than the acceptance number (Ac)

14.0 **TESTS**

14.1 **Chemical Test** - Chemical Composition as per Clause 4 of this specification

14.2 **Physical Test** – Shape, Design and Dimensions of the store shall be as per drawing plates attached to this specification.

14.3 **Load Test**

(a) A load of 10 Kg shall be hung from each Hook for period of 1 minute. The welding shall not give way.

(b) A load of 40 Kg shall be hung from the middle of the sleeve in the upper Arm of the frame for 5 minutes. The welding shall not give way and there shall be no deformation of the member.

(c) A weight of 30 Kg shall be put on the load rest attached in position to a rigidly suspended Carrier Man Pack. The load rest shall not bend, distort or deform in the test.

14.4 **Mechanical Shock Test for Welding**

(a) The Hooks and Sleeve shall be given five light strokes with a 115 gms Hammer. The welding shall not crack.

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15.0 MARKING

15.1 Marking by the supplier: - Each unit shall be legibly and indelibly marked on the hip Frame with the following details:-

- (a) Manufacturer's name, initials or recognized trademark.
- (b) Month & year of manufacture.
- (c) DS Cat No. and nomenclature of store

15.2 The marking shall be done either by stenciling or by transfer and shall not be stamped on the tube.

15.2 Marking by the Quality Assurance Officer

The final rejections shall be marked by Quality Assurance Officer by stamping the letter "X" on both sides of vendor's name/trade mark as follows :-

DS Cat No. and nomenclature of store
"X" Vendor's name/Trade Mark "X"
Year of Manufacture

16.0 PACKAGING

16.1 Vendor shall ensure that package / packing materials used to provide the required safeguard for the store during transit, handling and storage against any other factors which are likely to affect the serviceability / durability of the store. The package shall withstand hazards of environment so that the store inside are not affected.

16.2. MARKING ON PACKAGES

16.3 The seller shall mark each outer/ inner package with indelible ink/paint in the English language as follows:-

- (i) Nomenclature
- (ii) DS Cat No
- (iii) Contract No
- (iv) Consignee
- (v) I/Note. & Date
- (vi) Name of Seller / Seller's marking
- (vii) Package No
- (viii) Quantity per Package
- (ix) Gross/net weight

16.4 The gross weight of each pack shall not exceed 25 Kg.

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17.0 **DRAWINGS / SKETCHES**

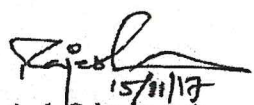
17.1 One Set of drawing (07 sheets) is attached to this specification.

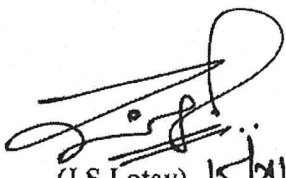
18.0 **SUGGESTIONS FOR IMPROVEMENT**

18.1 This specification is a live/ dynamic document and subject to change/updating. Any suggestions for improvement of this document may be referred to the Controller, CQA (GS) Kanpur.


(Manjeet Singh)
AE(QA)
GO/GS-4


(Er. M Satyanarayana)
P Sc O
DC/ GS -4


(Rajesh Srivastava)
JAG (NFSG)
Addl. Controller


(J S Lotay) 15/11/17
Maj Gen

CONTROLLER
CONTROLLERATE OF QUALITY ASSURANCE (GS)

KANPUR - 208 004

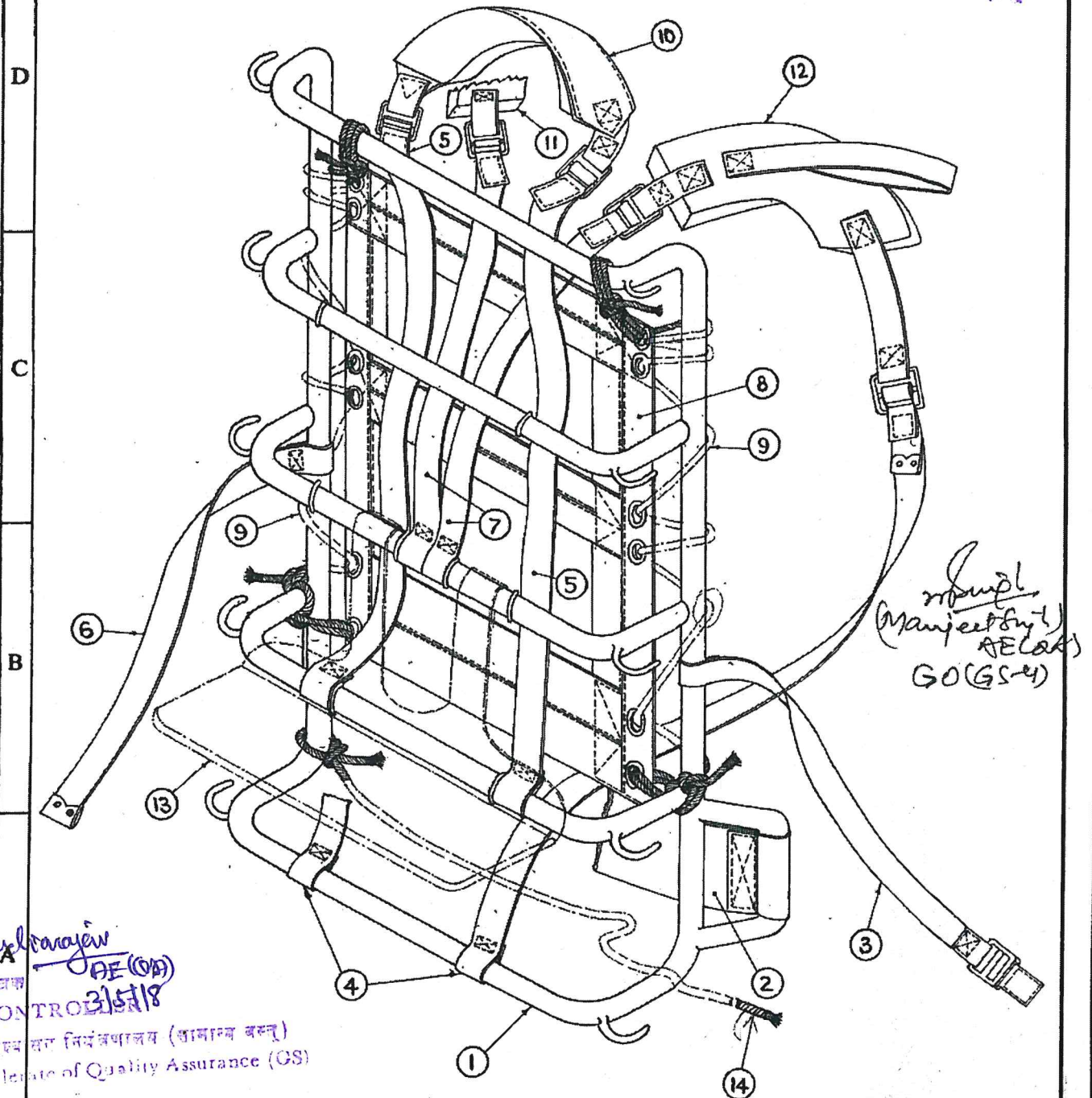

FOR CONTROLLER 3/5/18
पुनर्वि. आश्वासन निदेशिका (साधारण रूप)
Controllerate of Quality Assurance (GS)
[उप-पेटी सं.-127, कानपुर]
Post Box No.-127, Kanpur-208 004

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SHEET No.- 1 OF 7

ASSEMBLY

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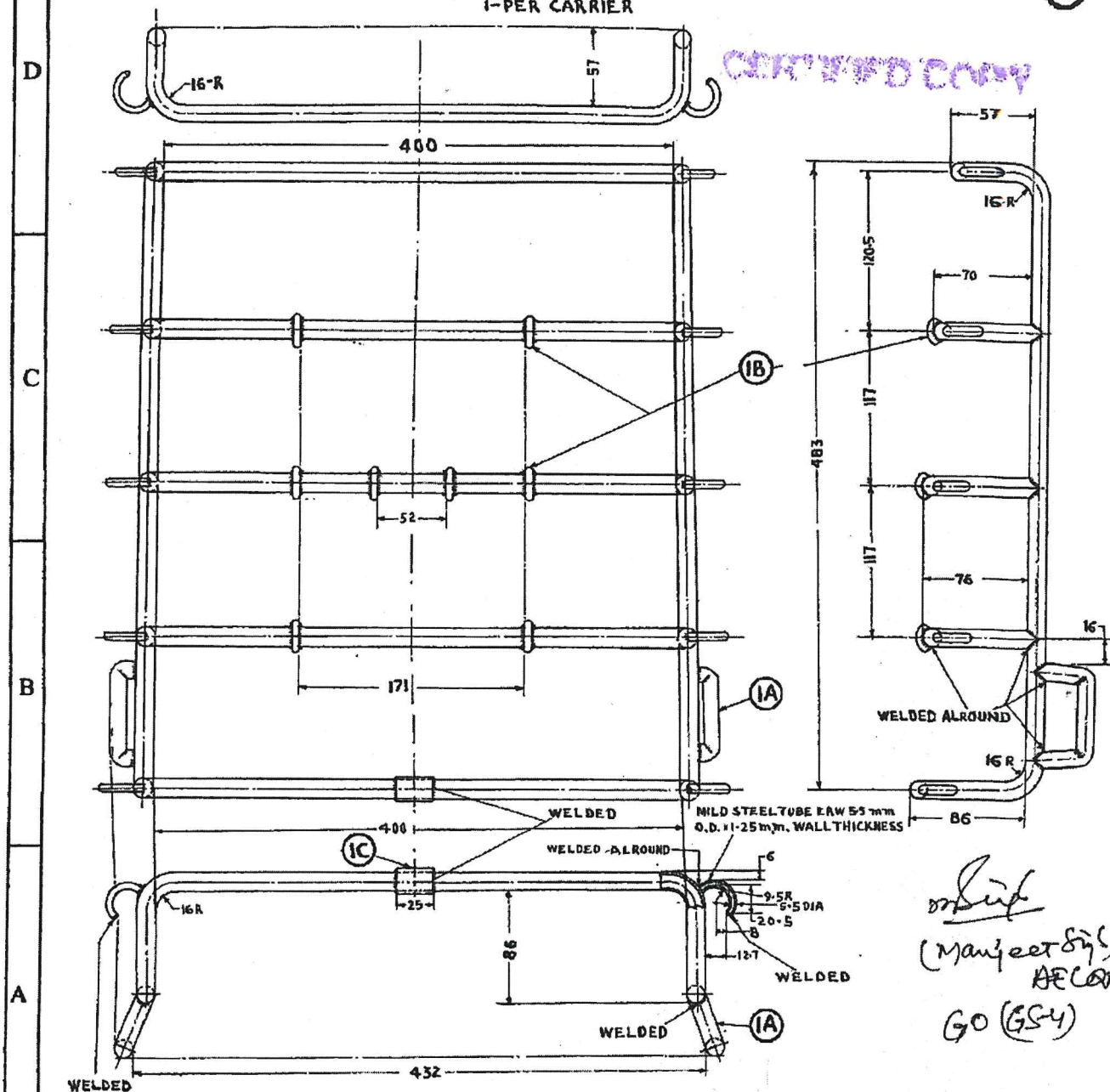
For Control
 गुणता आश्वासन नियंत्रणालय (सामान्य वस्तु)
 Controllerate of Quality Assurance (GS)

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	DGN.			
	DRN.			
	CHD.			
PASSED BY:-	TRD.	P. D. ARYA	CAT No.CN / 8465 - 000024 CARRIER MAN PACK	 ALL DIMENSIONS ARE IN mm. PLATE ATTACHED TO SPECN. No.IND/ GS/1151(C)
GO/GS-4	COMP	P. D. ARYA		
APPROVED BY:-	SCALE : ---			
DC/GS-4				

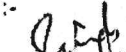
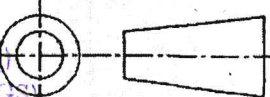
GS - 9/82/2017

FRAME

MATERIAL:- MILD STEEL TUBE 12.5mm ϕ D. XI-25mm. WALL THICKNESS
1-PER CARRIER



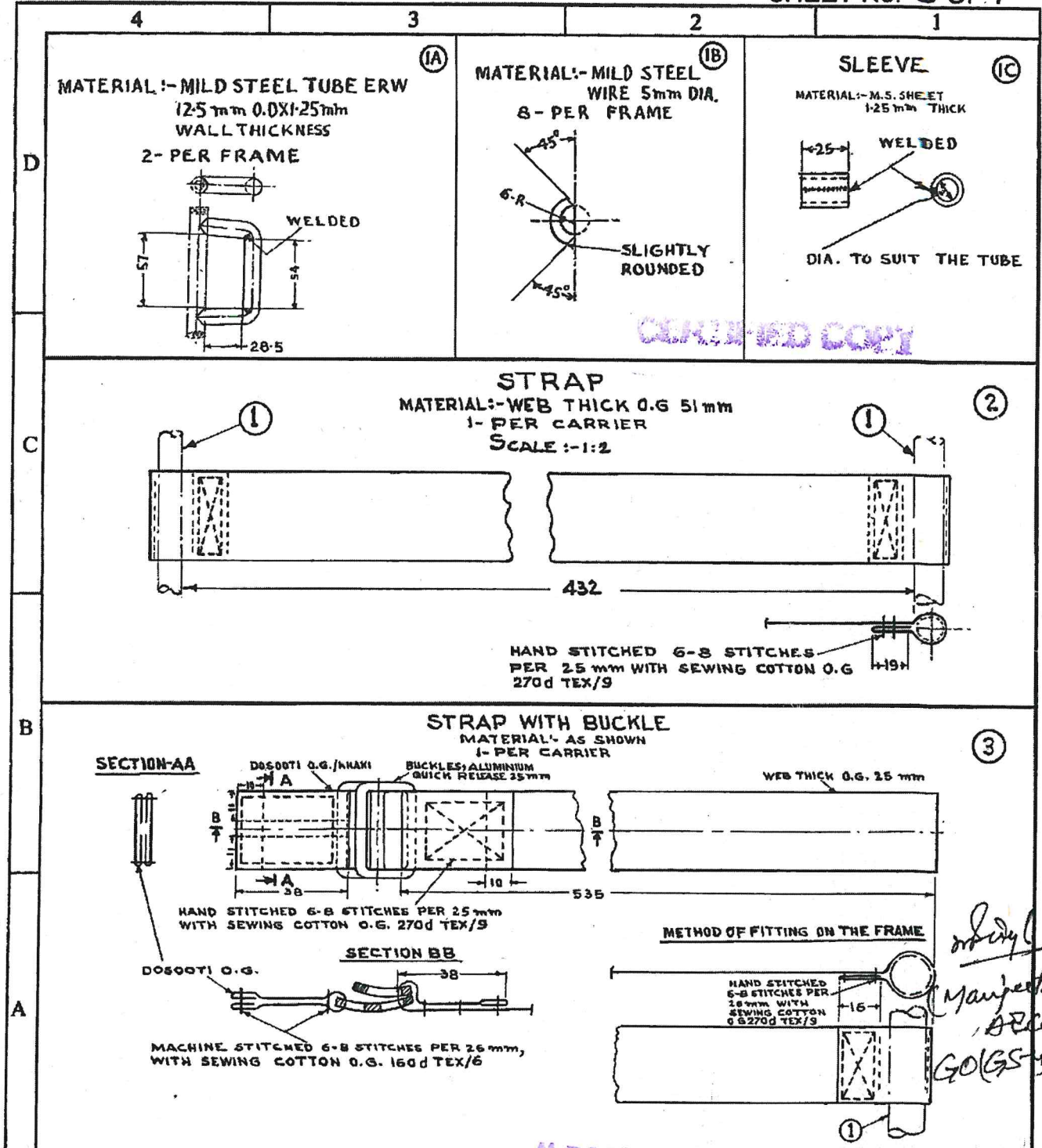
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AECA
GO (GS4)

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DATE	NAME																		
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DRN.																			
CHD.																			
TRD.	P. D. ARYA																		
COMP.	P. D. ARYA																		
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APPROVED BY:-  DC/GS-4		_____		ALL DIMENSIONS ARE IN mm. PLATE ATTACHED TO SPECN. No. IND/ GS/1151(C)															

GS - 9/82/2017

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SHEET No.- 3 OF 7



P.D. ARYA (P.D. ARYA) JTO (D)	DATE NAME	NOT TO SCALED <i>Manoj Kumar</i> 3/5/17 CAT No. CN / 8465 - 000024 CARRIER MANPACK	C.Q.A.(G.S.) MINISTRY OF DEFENCE (DGQA) KANPUR
PASSED BY:- <i>Manoj Kumar</i> GO/GS-4	TRD. COMP. P.D. ARYA P.D. ARYA	SCALE: ---	
APPROVED BY:- <i>Manoj Kumar</i> DC/GS-4	ALL DIMENSIONS ARE IN mm. PLATE ATTACHED TO SPECN. No. IND/ GS/1151(C)		

GS - 9/82/2017

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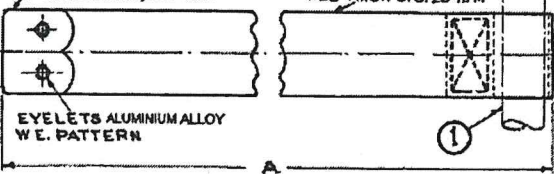
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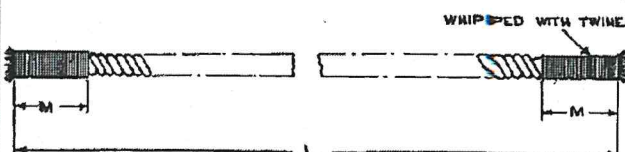
TYING LINES
MATERIAL:- AS SHOWN

WEB THICK 0.6-2.5 mm



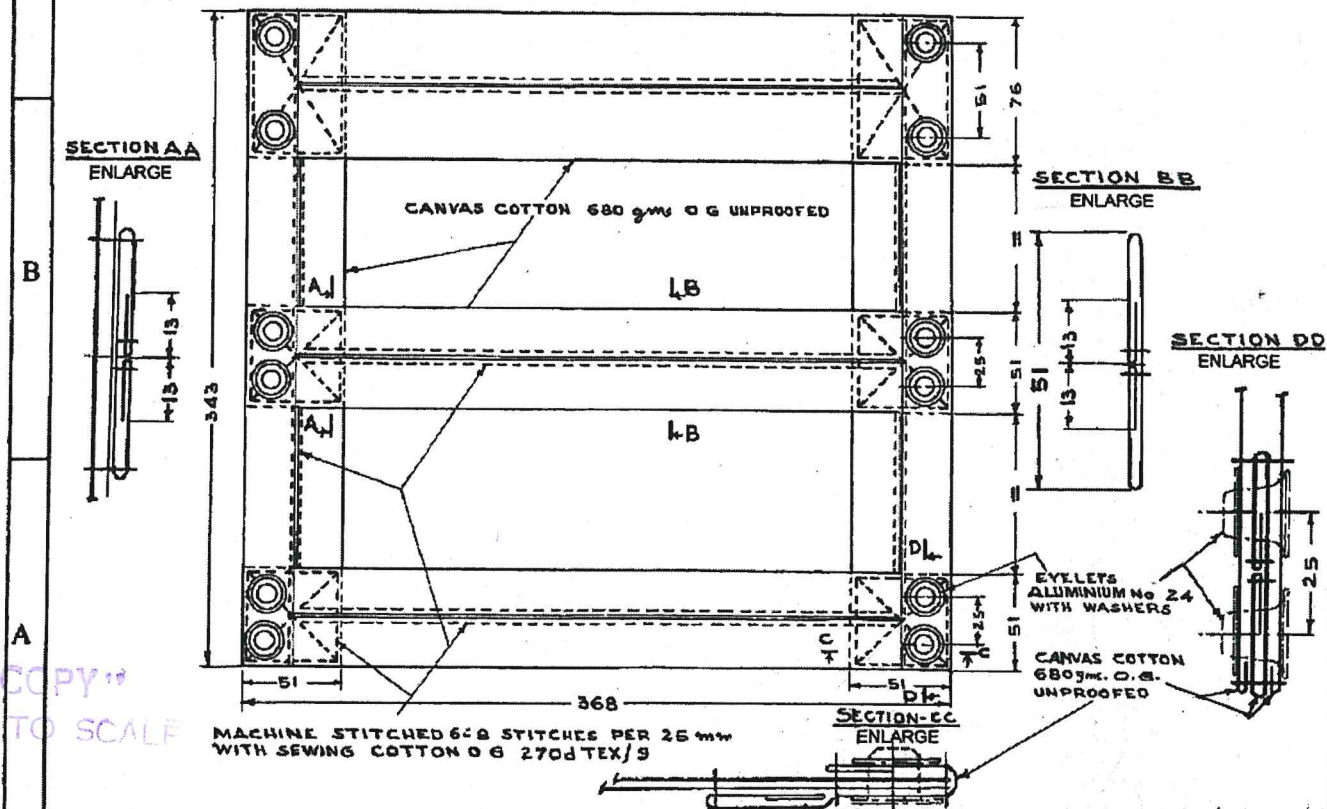
DETAIL No.	SIZE	LENGTH A	No. PER CARRIER
4	EXTRA LARGE	790	2
5	LARGE	735	2
6	MEDIUM	510	1
7	SMALL	430	2

HAND STITCHED 6-8 STITCHES
PER 25 mm WITH SEWING
COTTON O.G. 270d TEX/9



DETAIL	SIZE	MATERIAL	L	M	No. PER CARRIER
9	SMALL	LINE COTTON 0.6 $\times$ 4mm	1524	19	2
14	LARGE	LINE COTTON 0.6 $\times$ 6mm	746B	25	1

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~~Handwritten signature~~
(P D ARYA)
JTO (D)

PASSED BY:-

3/5/18

APPROVED BY:

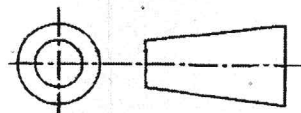
	DATE	NAME
DGN.		
DRN.		
CHD.		
TRD.		P. D. ARYA
COMP.		P. D. ARYA

SCALE : ---
(GS) :

CAT No.CN / 8465 - 000024

CARRIER MAN PACK

**C.Q.A.(G.S.)
MINISTRY OF DEFENCE (DGQA)
KANPUR**

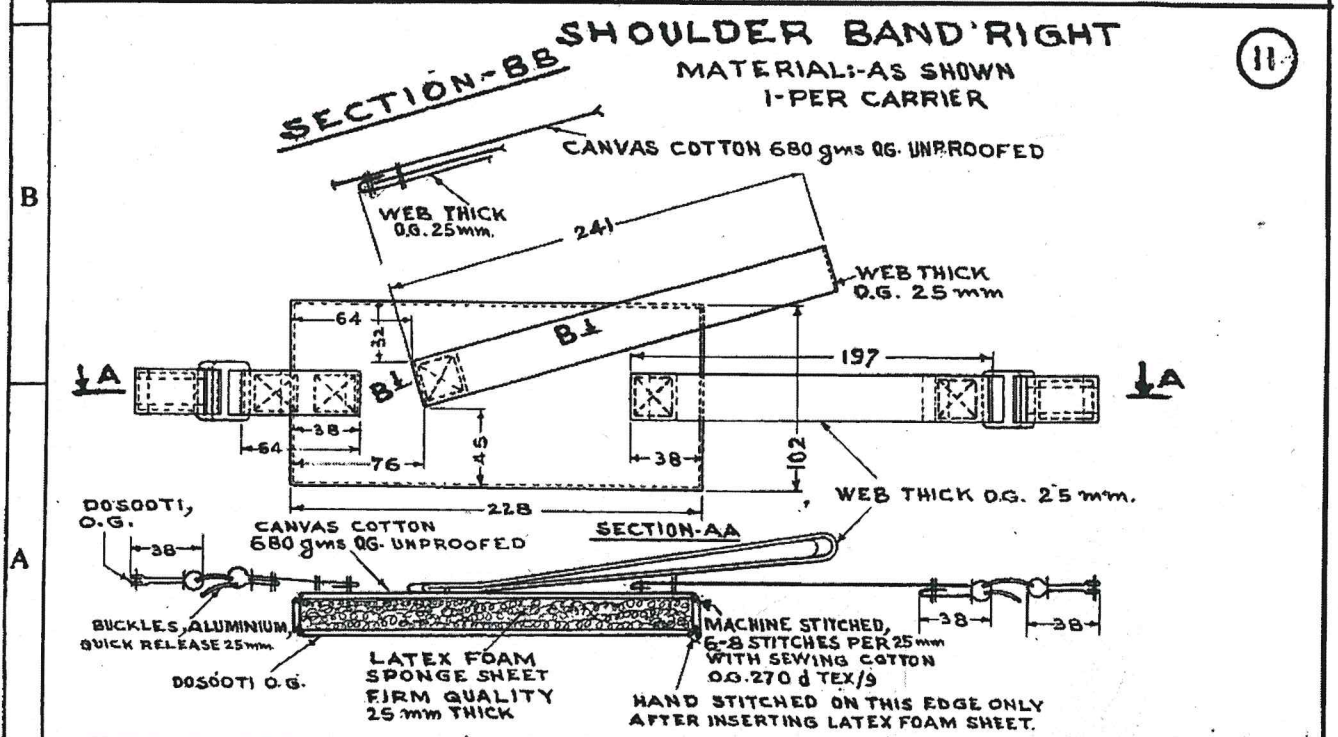
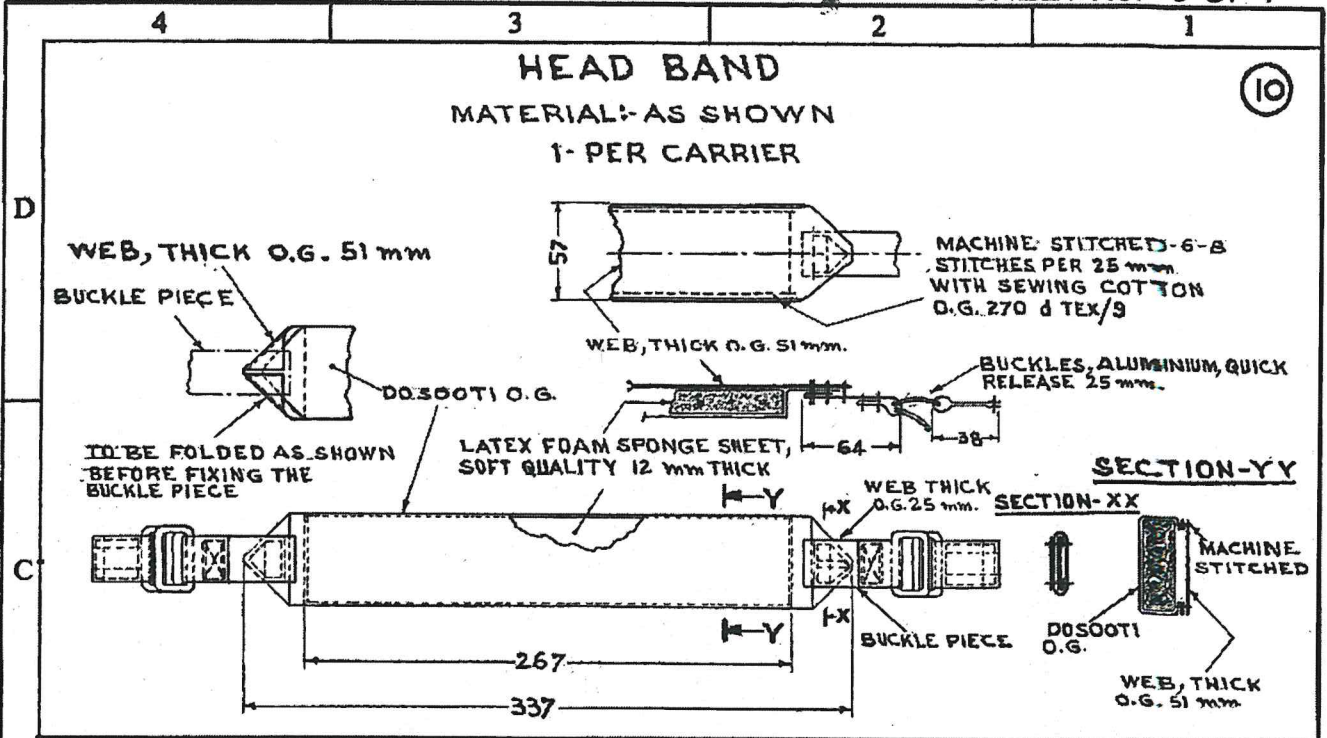


ALL DIMENSIONS ARE IN mm.
PLATE ATTACHED TO SPECN
No. IND/ GS/1151(C)

GS - 9/82/2017

SEALED COPY

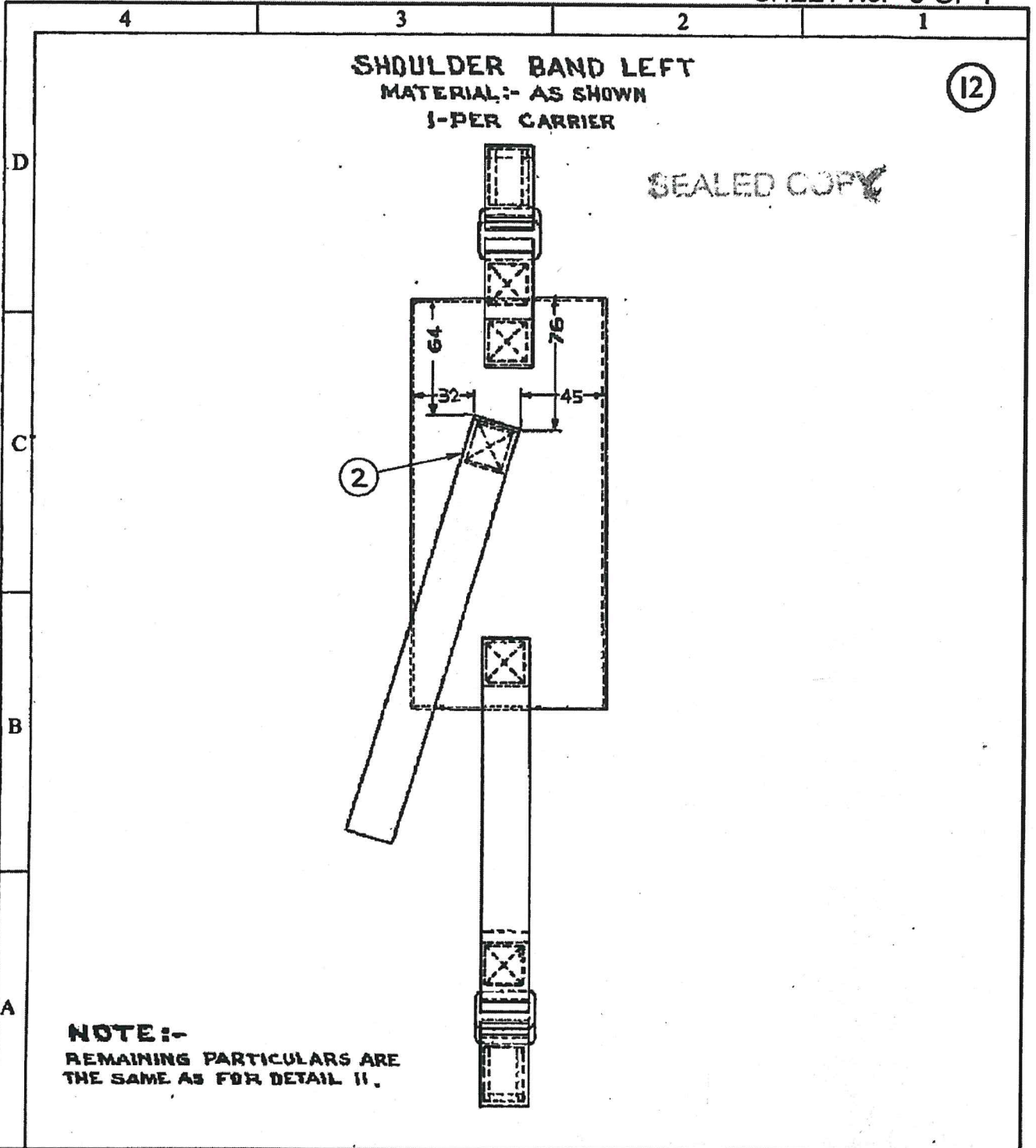
SHEET No.-5 OF 7



P.D. ARYA JTO (D) PASSED BY:- <i>[Signature]</i> GO/GS-4 APPROVED BY:- <i>[Signature]</i> DC/GS-4	DGN. DRN. CHD. TRD. COMP.	DATE NAME P. D. ARYA P. D. ARYA	"COPY" NOT TO SCALE CAT No. CN / 8465 - 000024 CARRIER MAN PACK <i>[Signature]</i> GO (GS-4)	C.Q.A.(G.S.) MINISTRY OF DEFENCE (DGQA) KANPUR ALL DIMENSIONS ARE IN mm. PLATE ATTACHED TO SPECN. No. IND/ GS/1151(C) GS - 9/82/2017
	SCALE : ---			
	SCALE : ---			
	SCALE : ---			

CERTIFIED COPY

SHEET No.- 6 OF 7



NOTE:-

REMAINING PARTICULARS ARE THE SAME AS FOR DETAIL II.

<i>[Signature]</i> (P D ARYA) JTO (D)	DATE	NAME	"COPY" NOT TO SCALE	C.Q.A.(G.S.) MINISTRY OF DEFENCE (DGQA) KANPUR
	DGN.			
	DRN.			
PASSED BY:-	TRD.	P. D. ARYA	CAT No.CN / 8465 - 000024 CARRIER MAN PACK <i>[Signature]</i> (Mansuet Singh) AE(CQA)	ALL DIMENSIONS ARE IN mm. PLATE ATTACHED TO SPECN. No.IND/ GS/1151(C)
GO/GS-4	COMP.	P. D. ARYA		
APPROVED BY:-	SCALE : ---			
<i>[Signature]</i> (DC/GS-4)				

GS - 9/82/2017

GO(GS-4)

LOAD REST

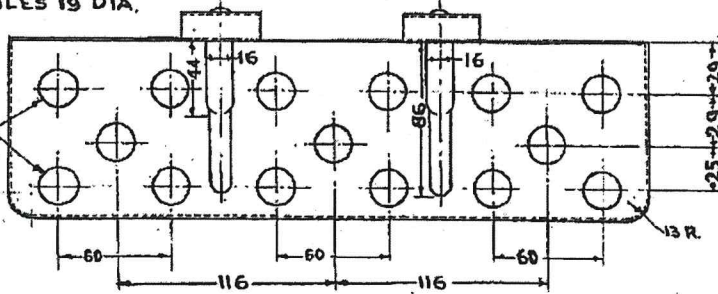
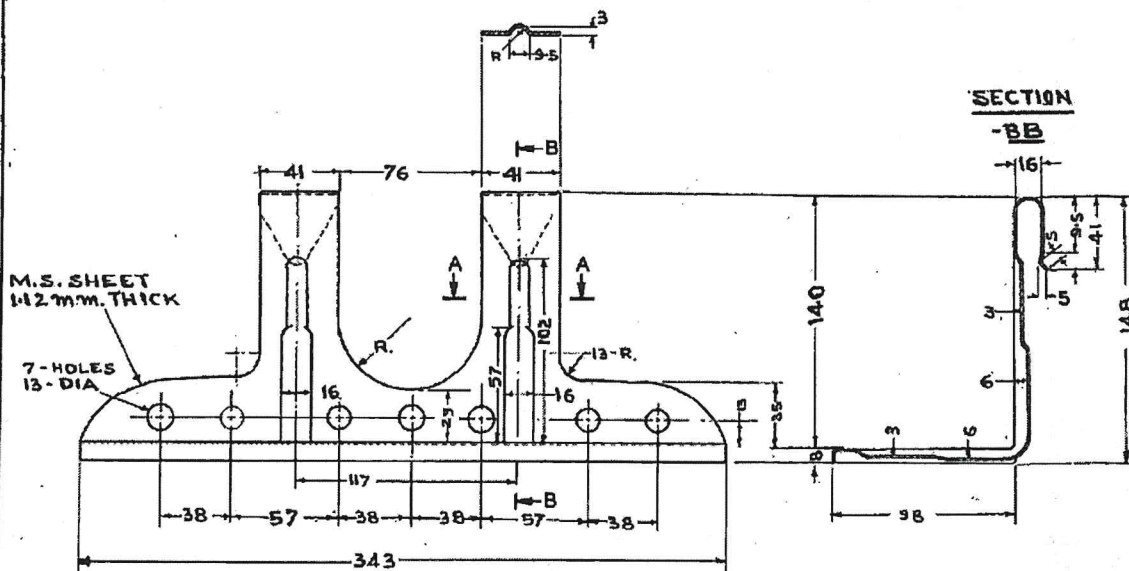
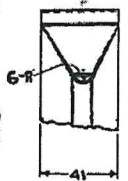
MATERIAL:-MILD STEEL SHEET 1.12 mm THICK

1- PER CARRIER

13

SEALED COPY

15-HOLES 19 DIA.

**SECTION-AA****SECTION -BB**BACK VIEW
OF
HOOK

[Signature]
 (P D ARYA)
 JTO (D)

DATE	NAME
DGN.	
DRN.	
CHD.	
TRD.	P. D. ARYA
COMP.	P. D. ARYA

"COPY"
 NOT TO SCALE

C.Q.A.(G.S.)
 MINISTRY OF DEFENCE (DGQA)
 KANPUR

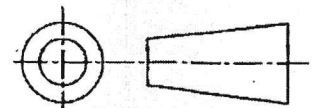
PASSED BY:-

[Signature]
 JTS/118
 GO/GS-4

SCALE : ---

CAT No.CN / 8465 - 000024

**CARRIER
 MAN PACK**



APPROVED BY:-

[Signature]
 Assurance (G.S.)
 DC/GS-4

[Signature]
 (Manager Smt)

ALL DIMENSIONS ARE IN mm.
 PLATE ATTACHED TO SPECN.
 No. IND/ GS/1151(C)

BECQA

GS - 9/82/2017

GO (GS-4)