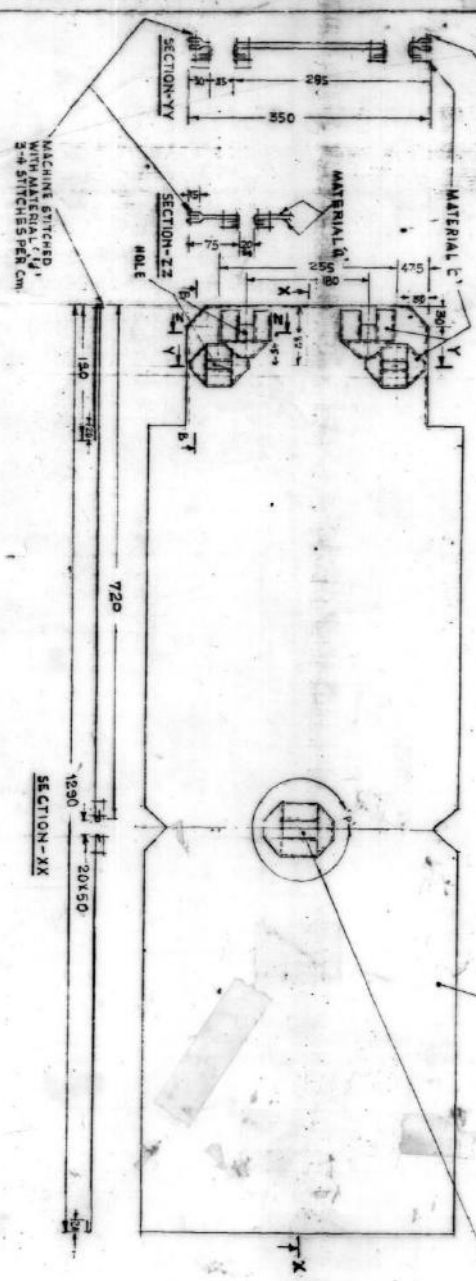
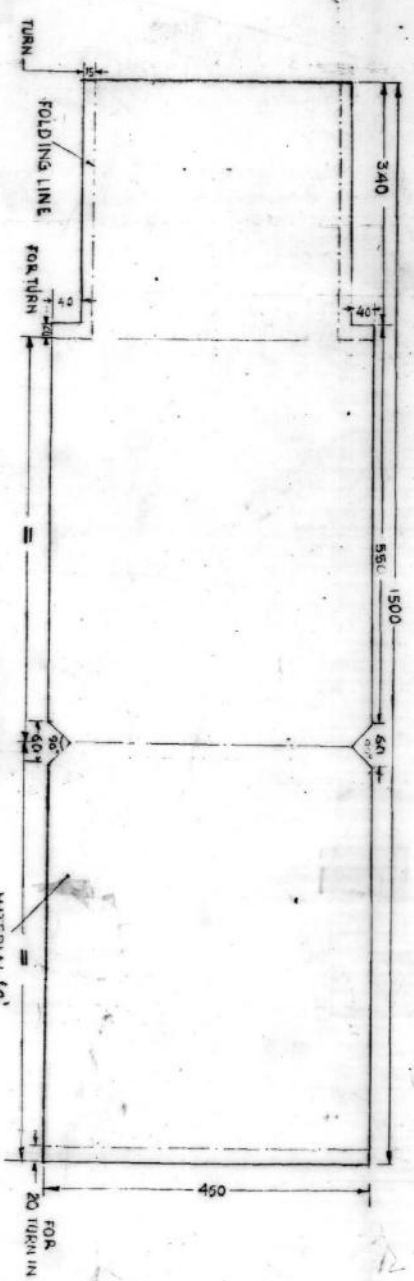


3



DEVELOPMENT

CUT FOLDING

HOLE

SECTION-BB

SHOWING POSITION OF CUT HOLE
IN LAYOUT VIEW AT 'P'
SCALE: 1:11

SHOWING ATTACHMENT OF TAPE

PACK BODY
I-OFF

R.No.	DATE	ZONE	AUTHORITY	PRJEF	RECORD	o/c	sgd

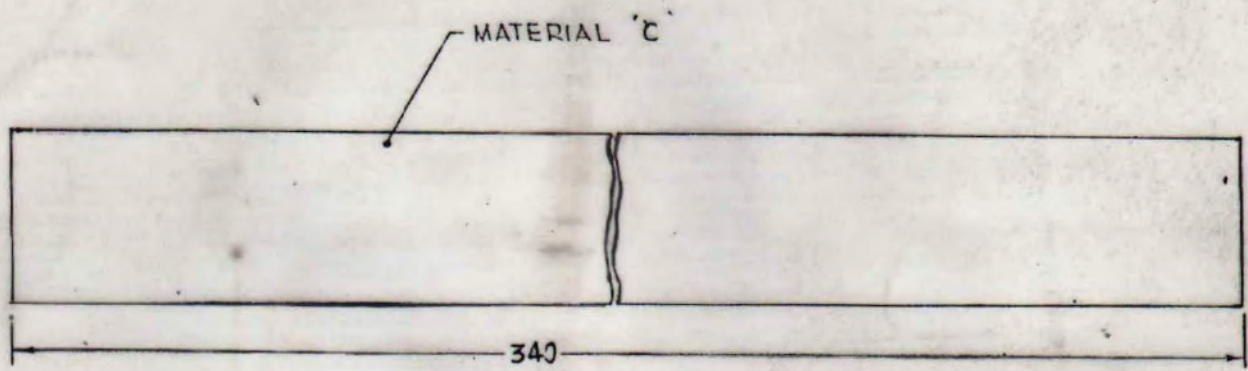
SRNT	ORD	MATERIAL
CID		
TRD		
COMB		
SCALE:-		
DIMENSIONS		
IN MM		
REMARKS:-		

HIGH ALTITUDE PARACHUTE
(MAIN)

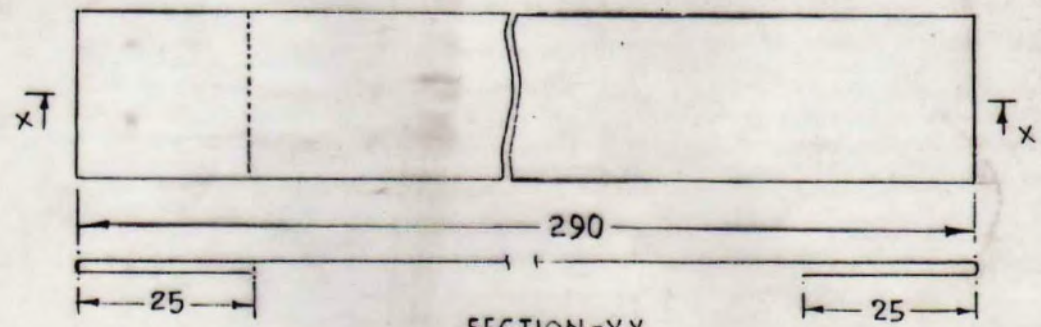
ADPDE, AGRA

APP REVISED
PRG. NO. 1
ADPDE/1289/A-40E
2002/2/28

3-A



DEVELOPMENT



SECTION-XX

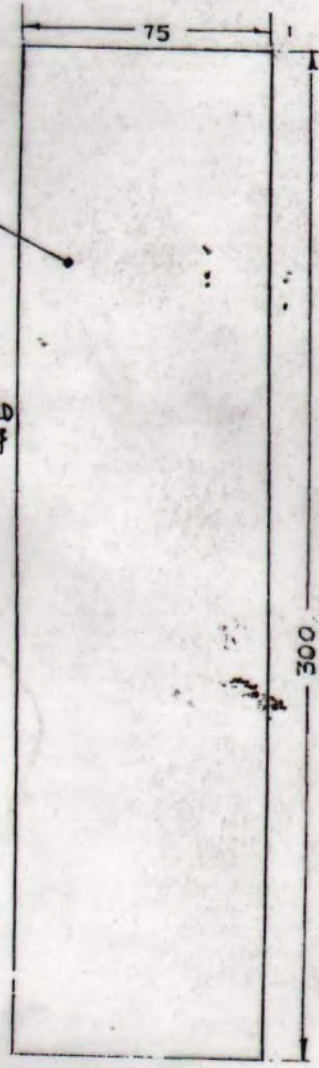
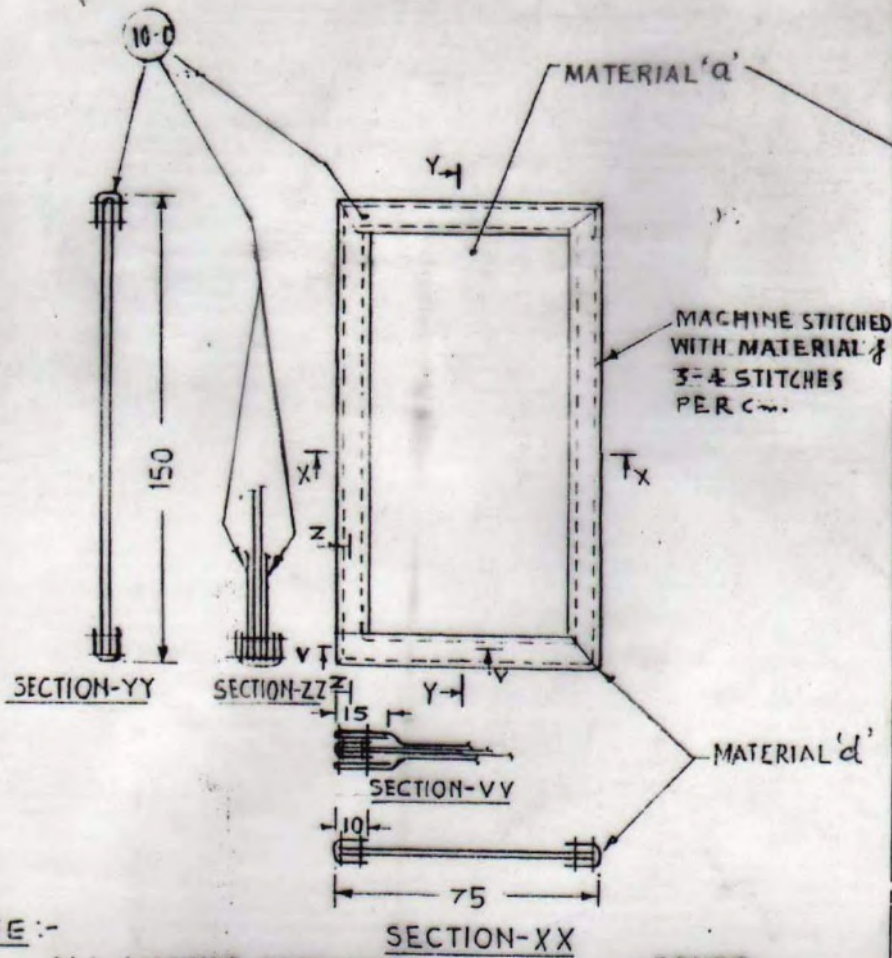
STRENGTHENING PIECE

1 - OFF

R.No.	DATE	ZONE	AUTHORITY	BRIEF RECORD		O/C	PGD
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DRN. <i>D.RAM</i>	DRD		MATERIAL:-	ADRDE ; AGRA
CHD <i>Shirah</i>	<i>Taha</i>	<i>+</i>	FINISH:-	
TRD	O/C	PGD	HEAT TREATMENT:-	APPROVED
COMP.	PROJ. OFFR. <i>onv</i>	DIV. HEAD <i>gung</i>		<i>S. Chandra</i>
SCALE:- 1:1	HIGH ALTITUDE PARACHUTE (MAIN)			PROG. DIRECTOR (Q.A.)
DIMENSIONS IN MM.				DRG No. <i>(a)(b)</i>
TOLERANCE:- ANSI/AIAA-5-017 - 1997				ADRDE/1283/A4

3-B



NOTE:-
ALL MACHINE STITCHINGS
TO BE DONE WITH MATERIAL 'j'

COVER
2-OFF

COVER FOR MOUTH FLAP
2-OFF

DEVELOPMENT

R.No	DATE	ZONE	AUTHORITY	BRIEF RECORD		O/C	PGD
------	------	------	-----------	--------------	--	-----	-----

DRN. <i>D.RAM</i>	DRD		MATERIAL:-	
CHD <i>Abdell.</i>	<i>Fde</i>	<i>PGD</i>	FINISH:-	
TRD	O/C	PGD	HEAT TREATMENT:-	
COMP.	PROJ. OFFR. <i>cm</i>	DIV. HEAD <i>Om</i>		

ADRDE, AGRA

APPROVED

DIMENSIONS IN MM.

TOLERANCE:-
ANSI/AIAA-S-017.
1991

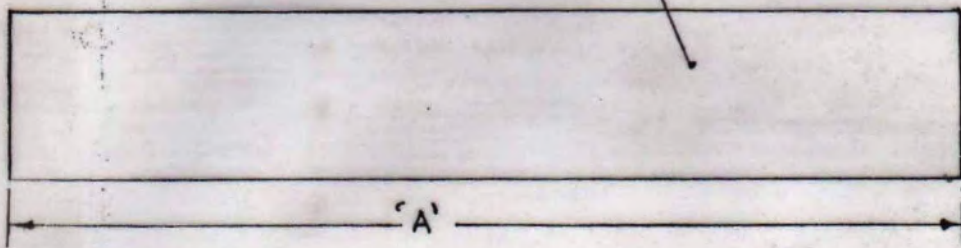
HIGH ALTITUDE PARACHUTE
(MAIN)

[Signature]
PROG DIRECTOR (Q.A.)

DRG.No. *(b)*
ADRDE/1283/A4 *(at)*

3-C 3-C₁ 3-C₂

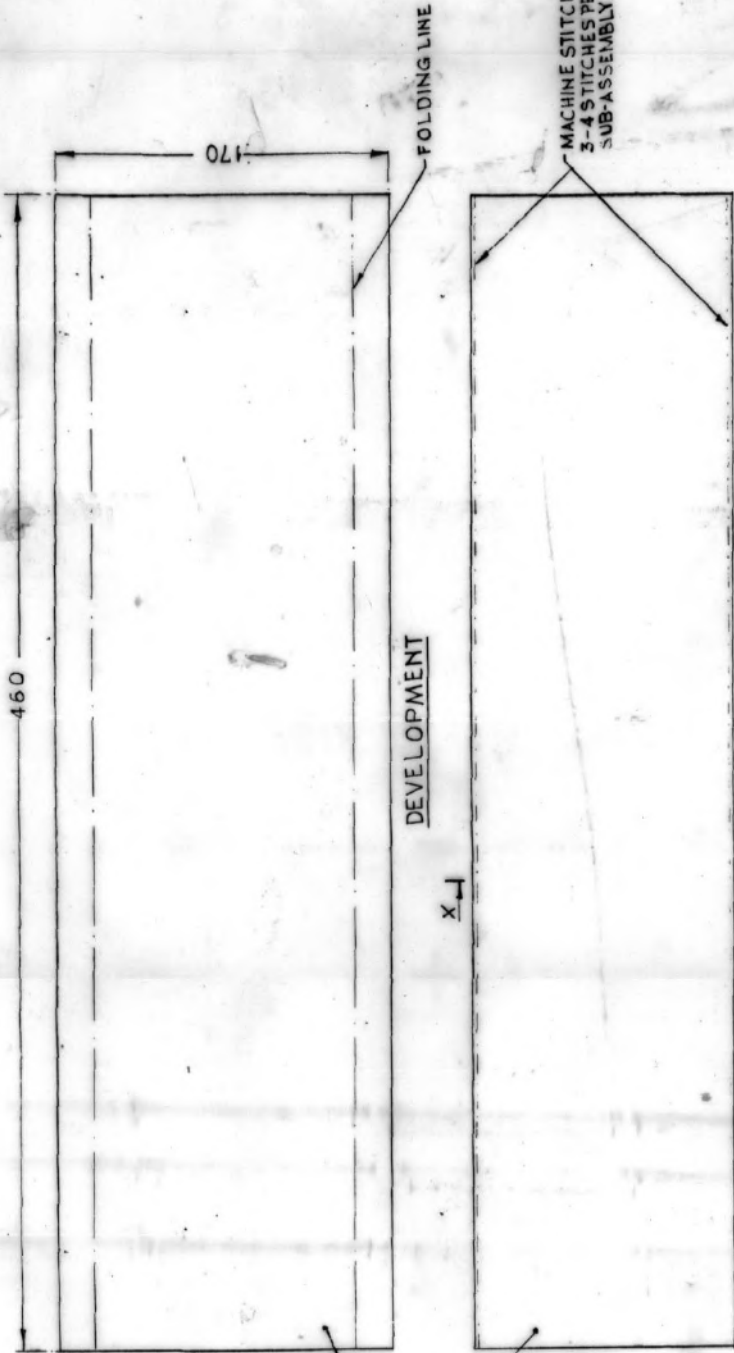
MATERIAL 'C'



DETAIL No.	LENGTH 'A'	No. OFF
3-C	315	1
3-C ₁	265	2
3-C ₂	150	2

ATTACHMENT TAPE

R.No.	DATE	ZONE	AUTHORITY	BRIEF RECORD		O/C	PGD
DRN. D. RAM			DRD	MATERIAL:-		ADRDE ; AGRA	
CHD <i>Alloch</i>			<i>Reli</i>	FINISH:-			
TRD			O/C				
COMP			PGD	HEAT TREATMENT:-		APPROVED	
SCALE:- NTS			PROJ. OFFR. <i>rel</i>			 PROG. DIRECTOR (Q.A.)	
DIMENSIONS IN MM.			DIV. HEAD <i>rel</i>				
TOLERANCE:- ANSI/AIAA-5-017 - 1997			HIGH ALTITUDE PARACHUTE (MAIN)				



MATERIAL 'A'

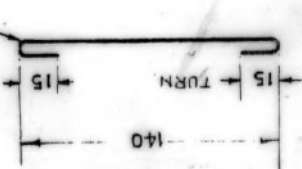
DEVELOPMENT

FOLDING LINE

MACHINE STITCHED WITH MATERIAL 'A'
3-4 STITCHES PER CM. AT THE TIME OF
SUB-ASSEMBLY.

STRENGTHENING PIECE

2 - OFF



SECTION-XX

DRN: <i>DRD</i>	DRD	MATERIAL:	ADR DE, AGRA
CHD: <i>Ad</i>	<i>Ad</i>	FINISH:	
TRD:	<i>Ad</i>	HEAT TREATMENT:	APPROVED
COMP:	O/C		
SCALE: 1:2	PROJ. OFFR. <i>CA</i>		PROG. DIRECTOR (S.A)
	DIV. HEAD <i>DR</i>		DRG. NO. <i>1203/A4</i>
DIMENSIONS IN MM		HIGH ALTITUDE PARACHUTE (MAIN)	APR 1998
TOLERANCE:			

DATE	ZONE AUTHORITY	PRICE RECORD

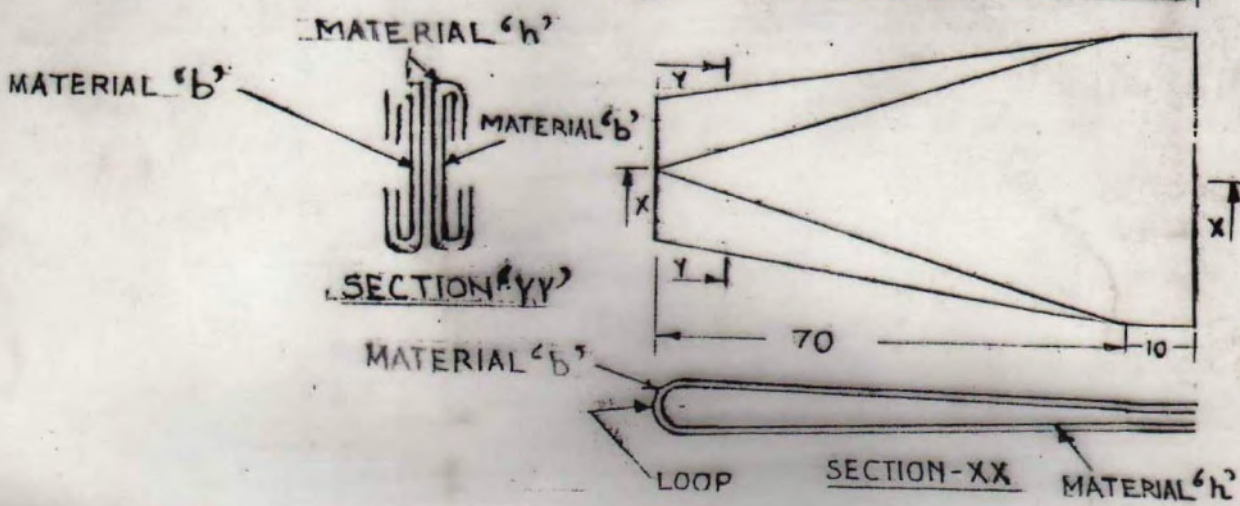
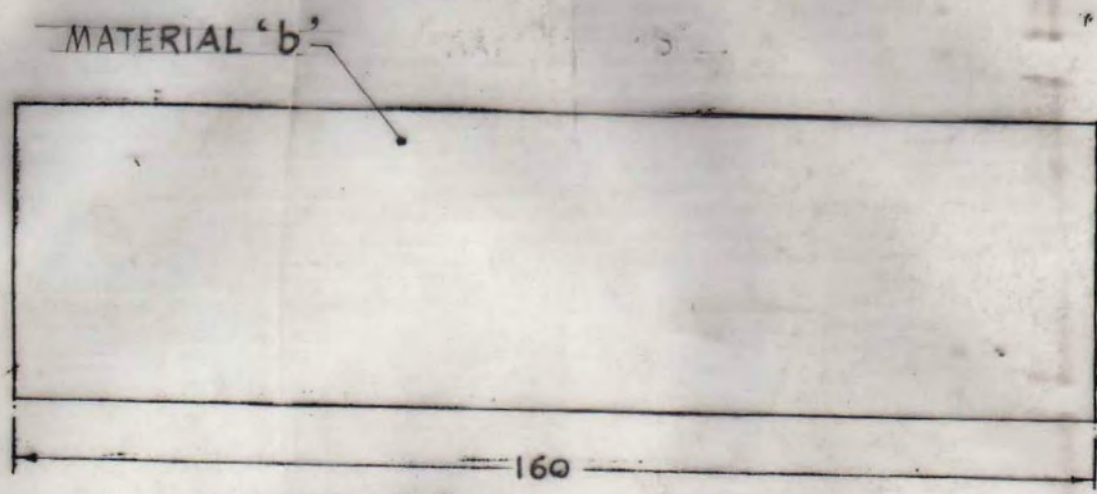
4

3

2

SHEET 6 OF 80

5-A

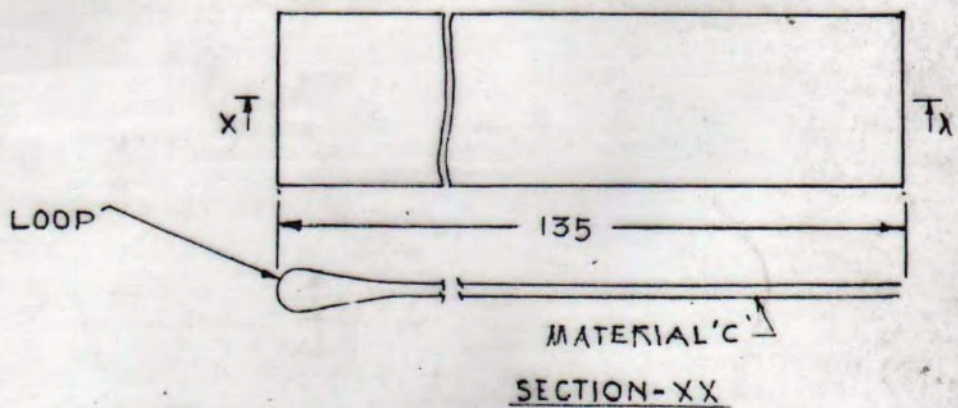
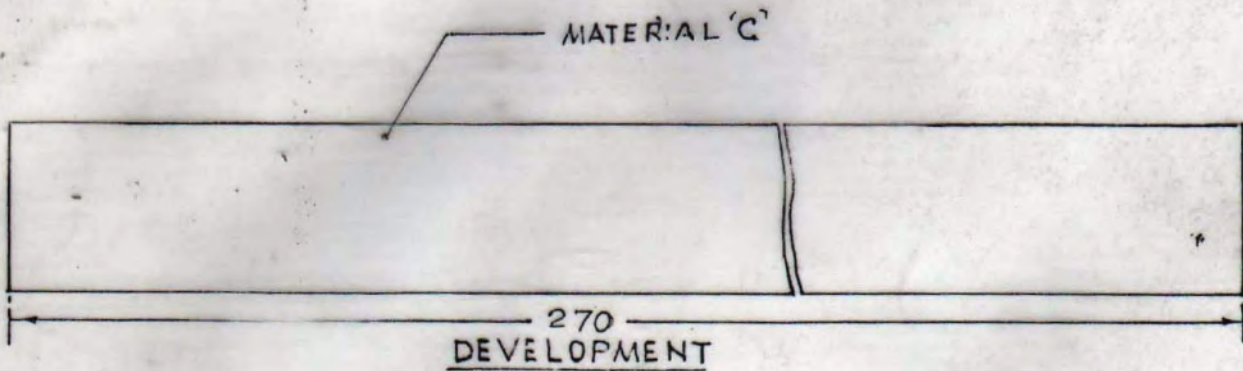


LOOP FOR MOUTH CLOSING
2-OFF

R.No.	DATE	ZONE	AUTHORITY	BRIEF RECORD		O/C	PGD
DRN. D. RAM			DRD	MATERIAL:-		ADRDE ; AGRA	
CHD				FINISH:-			
TRD				HEAT TREATMENT:-		APPROVED	
COMP							
SCALE:- 1:1	PROJ. OFFR. <i>ch</i>		DIV. HEAD <i>guy</i>		PROG. DIRECTOR (Q.A.)		
DIMENSIONS IN MM.	HIGH ALTITUDE PARACHUTE (MAIN)					DRG. No. <i>(a)(b)</i>	
TOLERANCE:- ANSI/AIAA-5-017-1997						ADRDE/1283/A4	

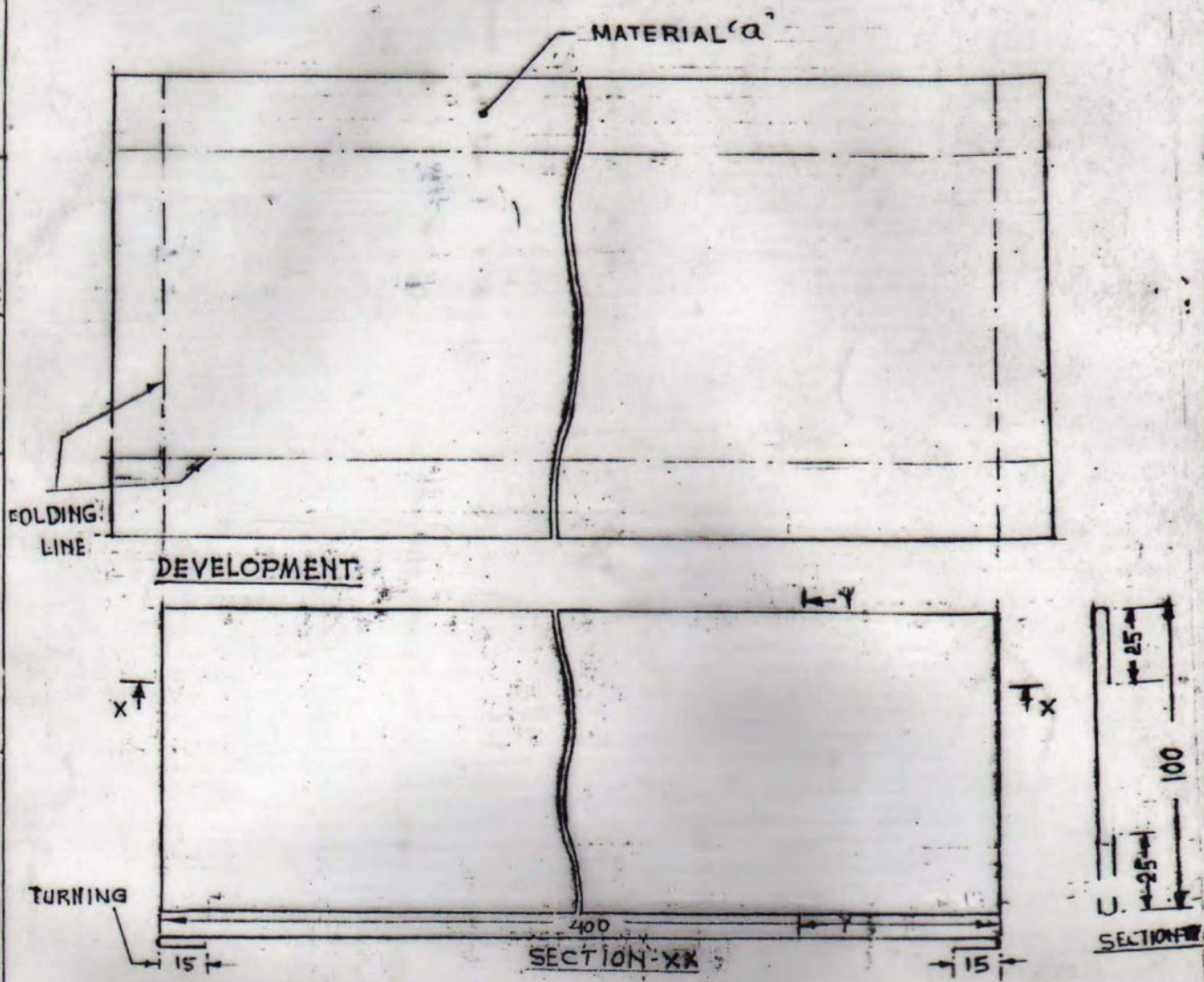
DRD/3/98

6



LOOP FOR MOUTH CLOSING
2-OFF

R.No.	DATE	ZONE	AUTHORITY	BRIEF RECORD		O/C	PGD
DRN. <i>D RAM</i>			DRD	MATERIAL:-		ADRDE ; AGRA	
CHD <i>Ab De</i>			<i>Th</i>	FINISH:-			
IRD			<i>+</i>	HEAT TREATMENT:-			
COMP.			O/C	PGD	APPROVED		
SCALE:- 1:1	PROJ. OFFR. <i>CM</i>		DIV. HEAD <i>D</i>				
DIMENSIONS IN MM.	HIGH ALTITUDE PARACHUTE (MAIN)					PROG. DIRECTOR (Q.A.)	
TOLERANCE:- ANSI/AIAA-5-0.7-1997						ORG. No. (a) <i>11</i>	



STRENGTHENING PIECE
2-OFF

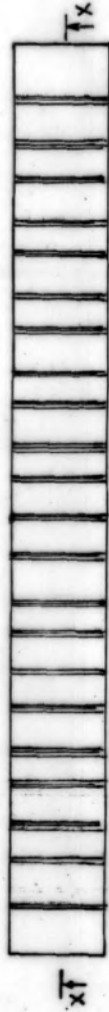
R.No	DATE	ZONE	AUTHORITY	BRIEF RECORD		o/c	PGD		
DRN. D. RAM			DRD	MATERIAL:-		ADRDE ; AGRA			
CHD <i>Abd</i>			<i>Tolu</i>		FINISH:-				
TRD			o/c	<i>+</i>	HEAT TREATMENT:-				
COMP.						APPROVED			
SCALE:- 1:2	PROJ. OFFR. <i>cm</i>		DIV. HEAD <i>...</i>						
DIMENSIONS IN MM.	HIGH ALTITUDE PARACHUTE (MAIN)							PROG. DIRECTOR (Q.A.)	
TOLERANCE:- ANSI/AIAA-5-017-1997								DRG. No. (a)(b) A. ORDE / 1283 / A4	

8

MATERIAL 'S'

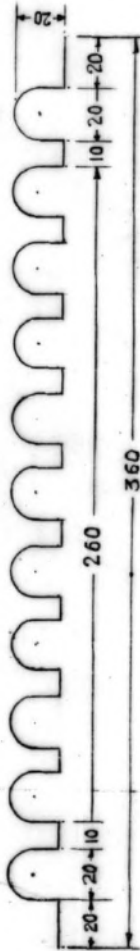
FREE LENGTH 710

DEVELOPMENT



STORAGE LOOP

2-OFF



SECTION - XX

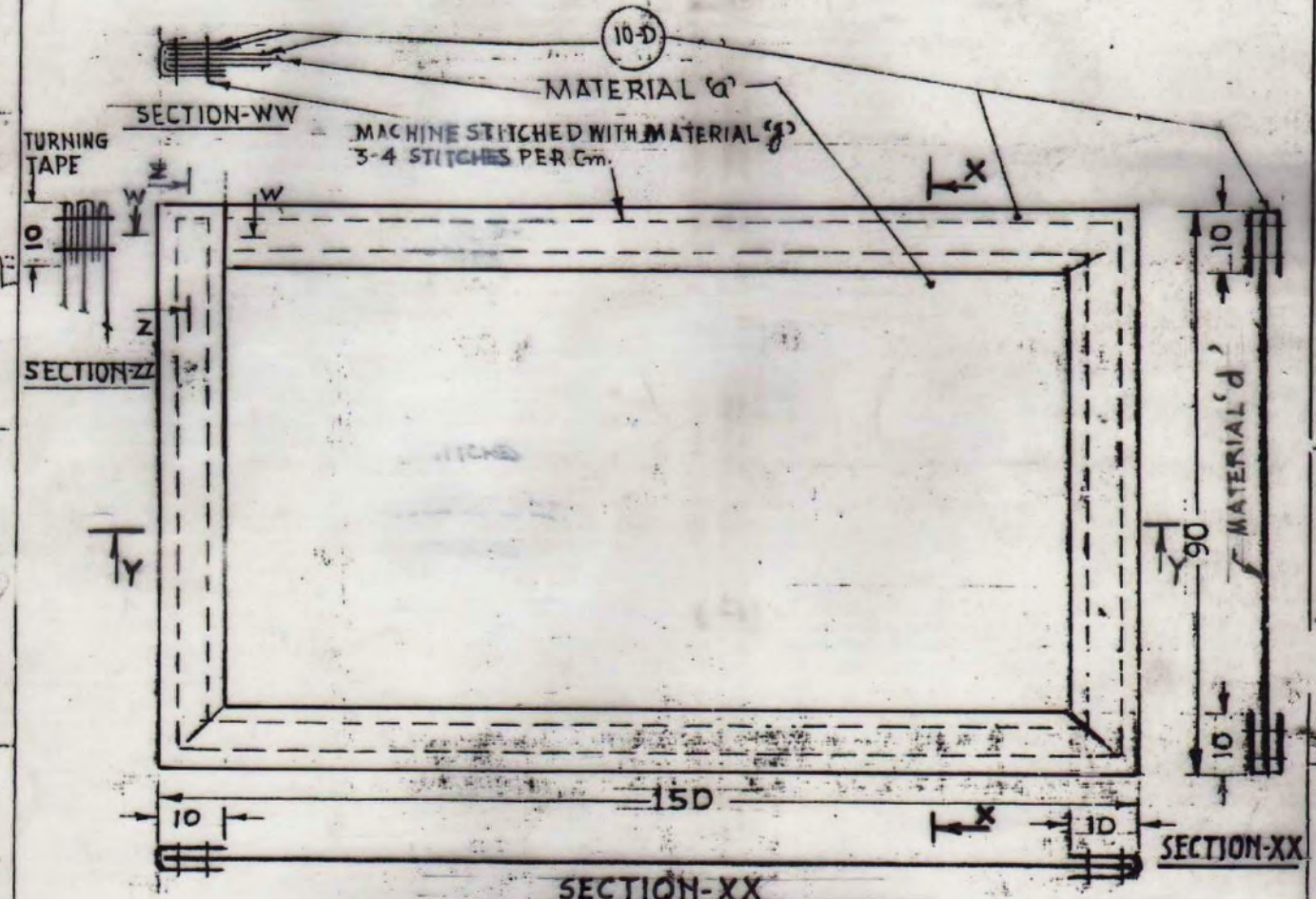
LOOP FOR RIGGING LINE STOWING

2-OFF

DRN'D. RAM	ORD	MATERIAL	APRDE, AGRA
CHD <i>Alu.</i>	<i>762</i>		
TRD	<i>PGD</i>	FINISH	
COMR	<i>O/C</i>	HEAT TREATMENT	
SCALE - 1:2	PROJ. OFFR. <i>Chy</i>		APPROVED
DIMENSIONS IN MM	DIV. HEAD <i>02</i>		
TOLERANCE		HIGH ALTITUDE PARACHUTE (MAIN)	PROG. DIRECTOR (9-A)
			DRG. NO. (2710)
			APRDE/1283/A4
			ORD/3/98

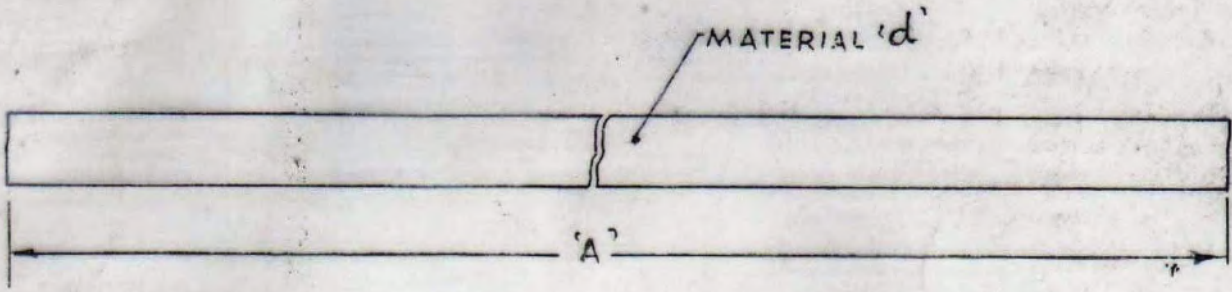
PRIEF. RECORD

ENG. DATE ZONE AUTHORITY



SECTION-XX
SLEEVE FOR TONGUE
 1-OFF

R.NO.		DATE		ZONE		AUTHORITY		BRIEF RECORD				O/C		PGD	
DRN.	D. RAM		DRD		MATERIAL:-				ADRDE; AGRA						
CHD	<i>Shrode</i>		<i>Joh</i>		FINISH:-										
TRD			O/C		HEAT TREATMENT:-				APPROVED						
COMP.			PGD		SCALE:- 1:1 PROJ. OFFR. <i>CP</i> DIV. HEAD <i>Am</i>										
DIMENSIONS IN MM.		HIGH ALTITUDE PARACHUTE (MAIN)												ORG. No: <i>(a)(b)</i> AORDE/1283/A4	
TOLERANCE:-														DRD/3/98	
ANSI/AIAA-5-017-1997															



10-D	250	1
10-C	240	2
10-B	280	2
10-A	620	2
DETAL No.	LENGTH	No. OFF

PIPING

R.No. DATE ZONE AUTHORITY **BRIEF RECORD** O/C PGD

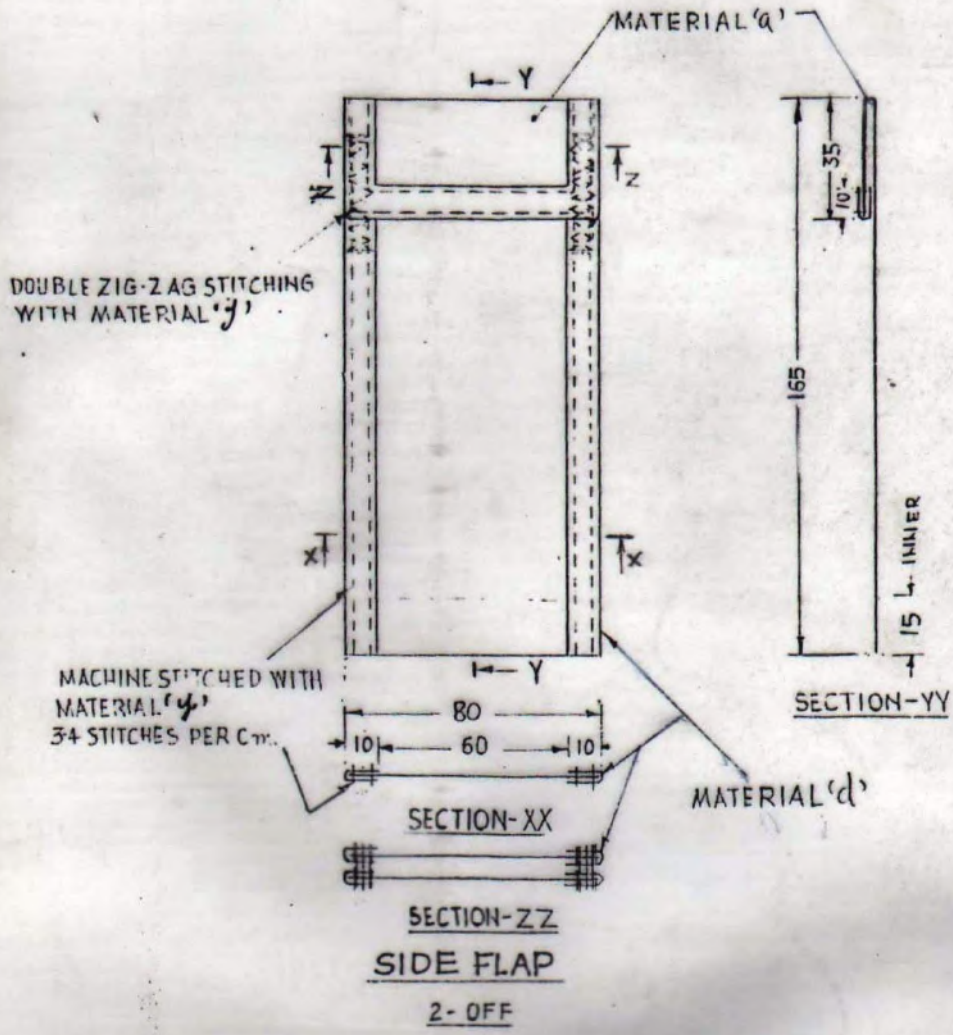
DRN. D.RAM	DRD		MATERIAL:-	ADRDE ; AGRA
CHD. <i>Alk</i>	<i>Alk</i>	<i>+</i>	FINISH:-	
TRD	O/C	PGD		
COMP.				

SCALE:-NTS. PROJ.OFFR. *en* HEAT TREATMENT:-
 DIV. HEAD *mg* APPROVED

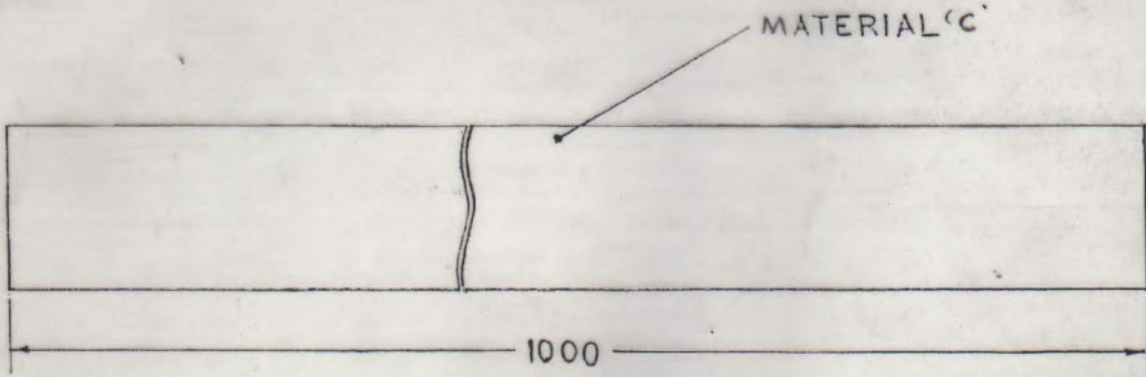
DIMENSIONS IN MM.
 TOLERANCE:-
 ANSI/AIAA-5-017-1997

HIGH ALTITUDE PARACHUTE (MAIN)

PROG. DIRECTOR (Q.A.)
 DRG. No. *(a)(b)*
 ADRDE/1283/A4
 DRD/3/98

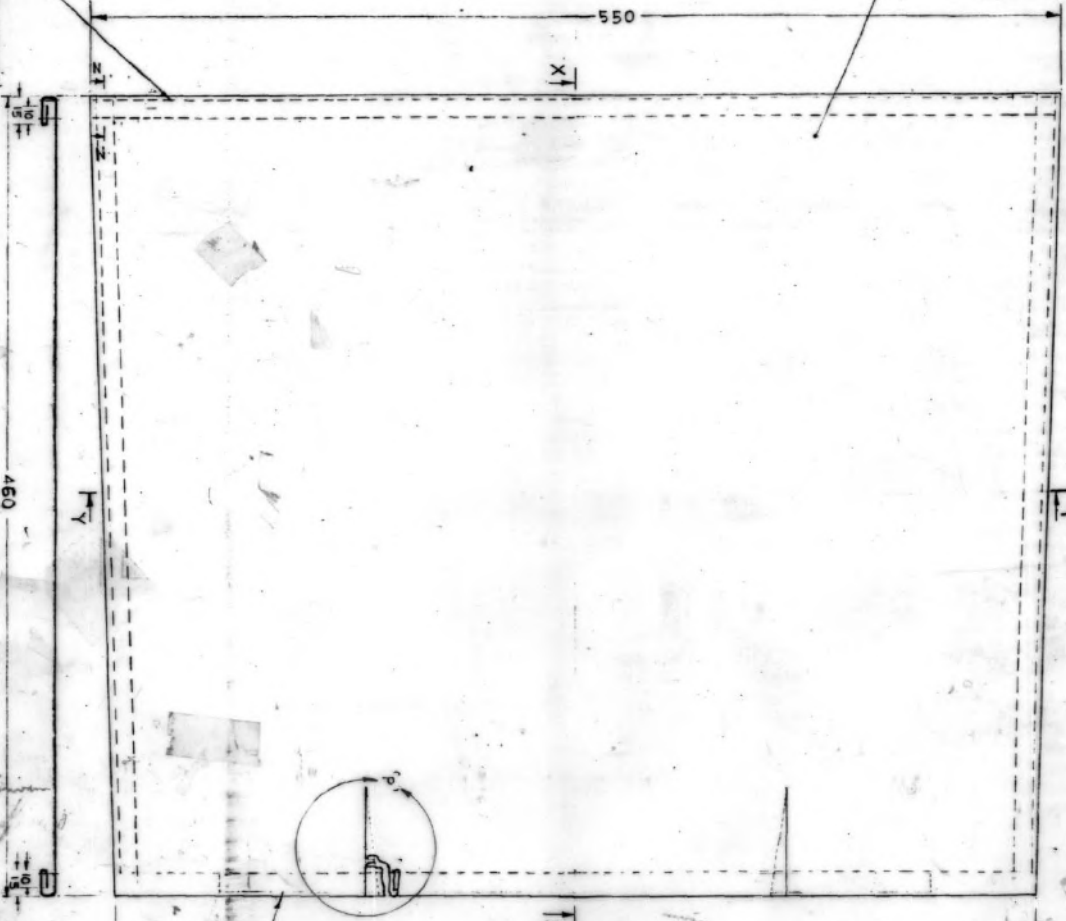
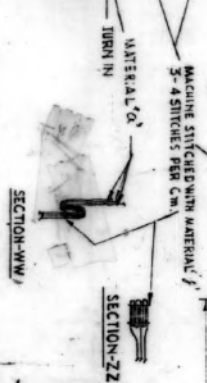
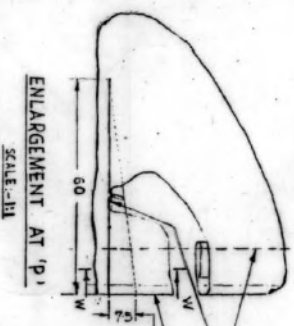
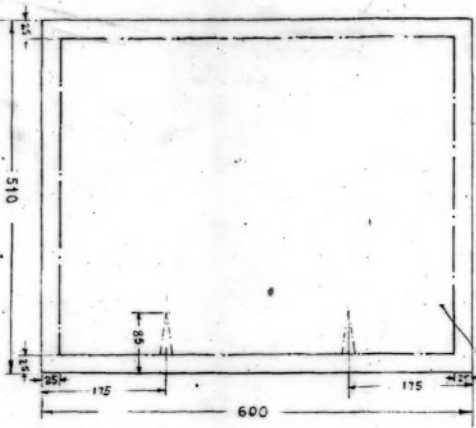


R.No.	DATE	ZONE	AUTHORITY	BRIEF RECORD		O/C	PGD
DRN. D.RAM			DRD	MATERIAL:-		ADRDE; AGRA	
CHD <i>Alv</i>			<i>Feb</i>	FINISH:-			
TRD			<i>+</i>	HEAT TREATMENT:-			
COMP.			O/C	PGD	APPROVED		
SCALE: 1-1:2	PROJ. OFFR. <i>CV</i>		DIV. HEAD <i>Plng</i>				
DIMENSIONS IN MM.	HIGH ALTITUDE PARACHUTE (MAIN)					PROG. DIRECTOR (Q.A.)	
TOLERANCE:- ANSI/AIAA-S-017-1997						DRG. No. <i>(a)(b)</i> AORDE/1283/A4 DRD/3/98	



PERIPHERAL TAPE
1 - OFF

R.No	DATE	ZONE	AUTHORITY	BRIEF RECORD		O/C	PGD	
DRN. D. RAM			DRD	MATERIAL:-		ADRDE; AGRA		
CHD. <i>Abdo</i>		<i>Zh</i>	<i>+j</i>	FINISH:-				
TRD		O/C	PGD	HEAT TREATMENT:-		APPROVED		
COMP								
SCALE:- 1:1		PROJ. OFFR. <i>ca</i>	DIV. HEAD <i>Om</i>			DRG. No. <i>(a)(b)</i> ADRDE/1283/A4 DRD/3/98		
DIMENSIONS IN MM.	HIGH ALTITUDE PARACHUTE (MAIN)							
TOLERANCE:- ANSI/AIAA-5-017-1991								



UPPER FLAP 1-OFF

3-NB	DATE	ZONE	AUTHORITY	o/c	PGD
PAIEF RECORD					

DRN 12	DRN 12	DRN 12	DRN 12	DRN 12	
CHD TRD	CHD TRD	CHD TRD	CHD TRD	CHD TRD	
SCALE: 1:12	SCALE: 1:12	SCALE: 1:12	SCALE: 1:12	SCALE: 1:12	
DIMENSIONS IN MM	DIMENSIONS IN MM	DIMENSIONS IN MM	DIMENSIONS IN MM	DIMENSIONS IN MM	
HIGH ALTITUDE PARACHUTE (MAIN)		HIGH ALTITUDE PARACHUTE (MAIN)		HIGH ALTITUDE PARACHUTE (MAIN)	
APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	
ADR DE, AGRA	ADR DE, AGRA	ADR DE, AGRA	ADR DE, AGRA	ADR DE, AGRA	
Prog. Director (R.A.)	Prog. Director (R.A.)	Prog. Director (R.A.)	Prog. Director (R.A.)	Prog. Director (R.A.)	
Page No. 1283/1A	Page No. 1283/1A	Page No. 1283/1A	Page No. 1283/1A	Page No. 1283/1A	
DRD/1283	DRD/1283	DRD/1283	DRD/1283	DRD/1283	

4

3

2

1

SHEET 75 OF 80

14

14-A

MATERIAL 'e'

455

2-OFF

MATERIAL 'f'

14-A

455

2-OFF

FASTENER TAPES

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R.No	DATE	ZONE	AUTHORITY	BRIEF RECORD				O/C	PGD
------	------	------	-----------	--------------	--	--	--	-----	-----

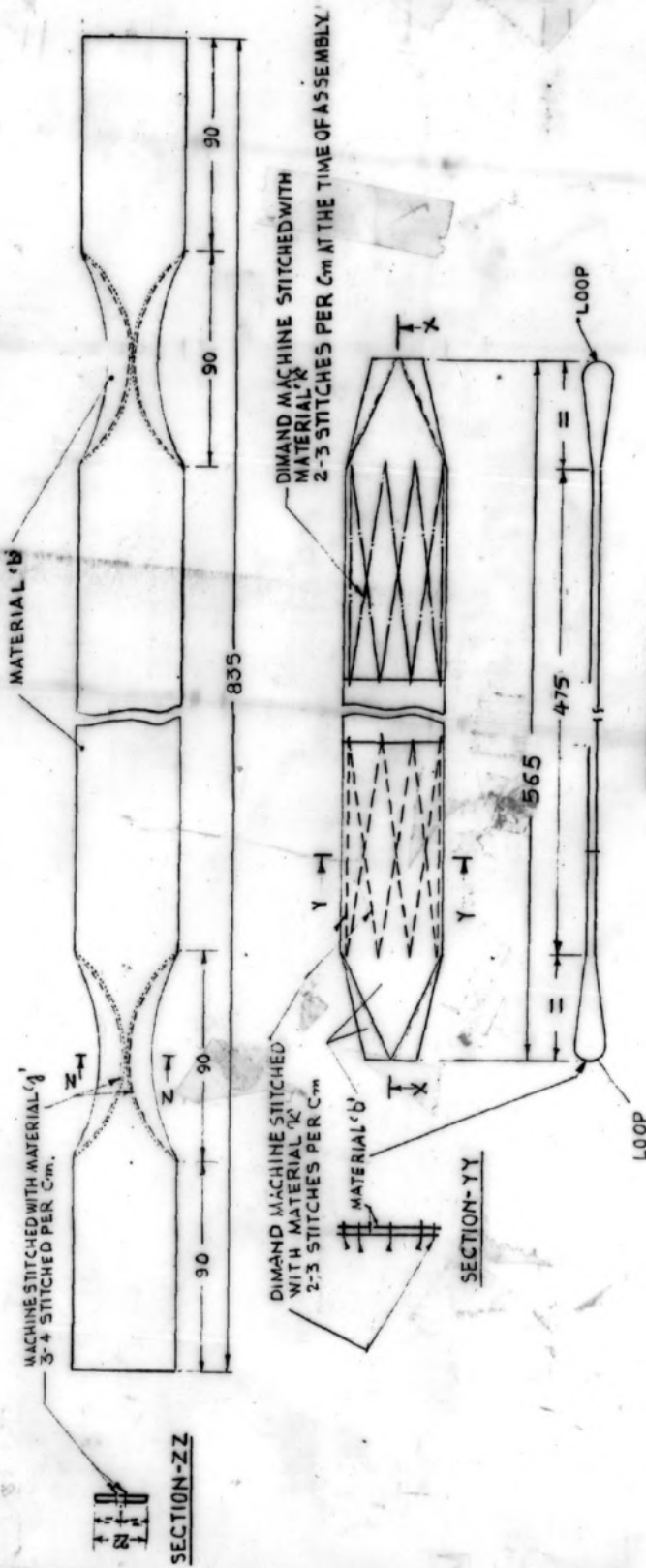
DRN. D. RAM	DRD		MATERIAL:-		ADRDE ; AGRA	
CHD <i>Abde</i>	<i>Fdk</i>	<i>+</i>	FINISH:-			
TRD	O/C	PGD				
COMP			HEAT TREATMENT:-		APPROVED	

SCALE:- 1:1	PROJ. OFFR. <i>ay</i>	HIGH ALTITUDE PARACHUTE (MAIN)	
	DIV. HEAD <i>ay</i>		

DIMENSIONS IN MM.	HIGH ALTITUDE PARACHUTE (MAIN)	
TOLERANCE:- ANSI/AIAA		

DRG. No. (a)(b)
 AORDE/1283/A4

DRD/3/98

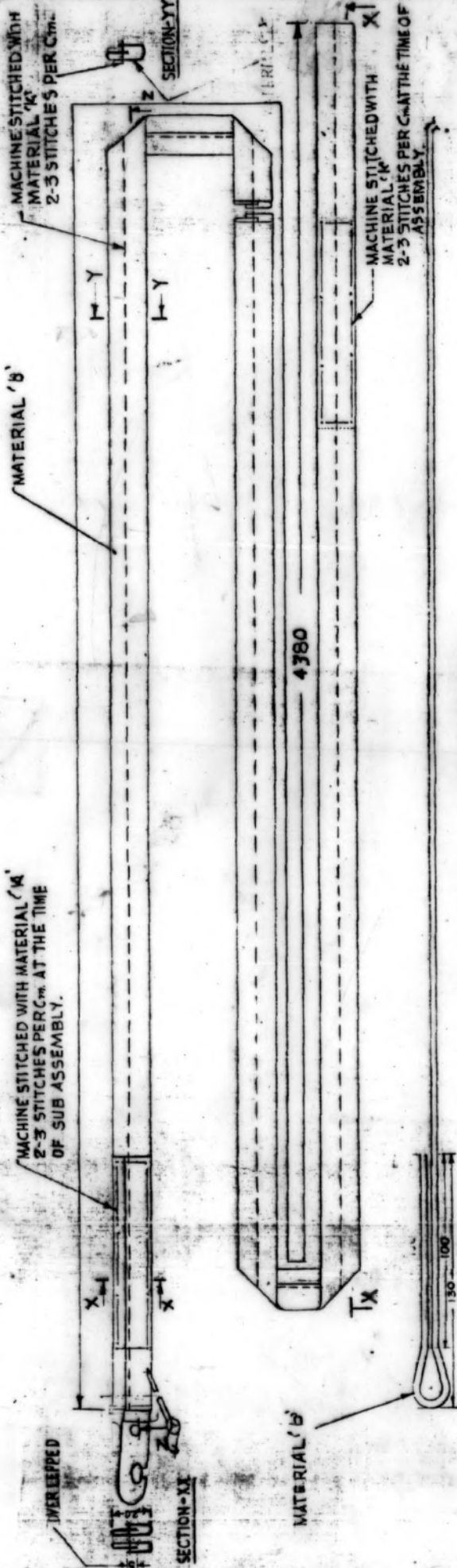


SECTION-XX

APEX TIE STRAP (TONGUE)

1 - OFF

DRN. Q. 1000		ORD		MATERIAL		APR DE, AGRA	
CHD	TRD	COMR	SCALE	FINISH	HEAT TREATMENT	APPROVED	
1000	1000	1000	1:2	PGD			
DIMENSIONS IN MM				HIGH ALTITUDE PARACHUTE (MAIN)			
TOLERANCE				PRG. DIR. FOR (S.A.)			
DATE ZONE AUTHORITY				PRG. No. (S.A.)			
PREF. RECORD				ADKDE/1283/A4			
o/c PGD				DRD/15198			



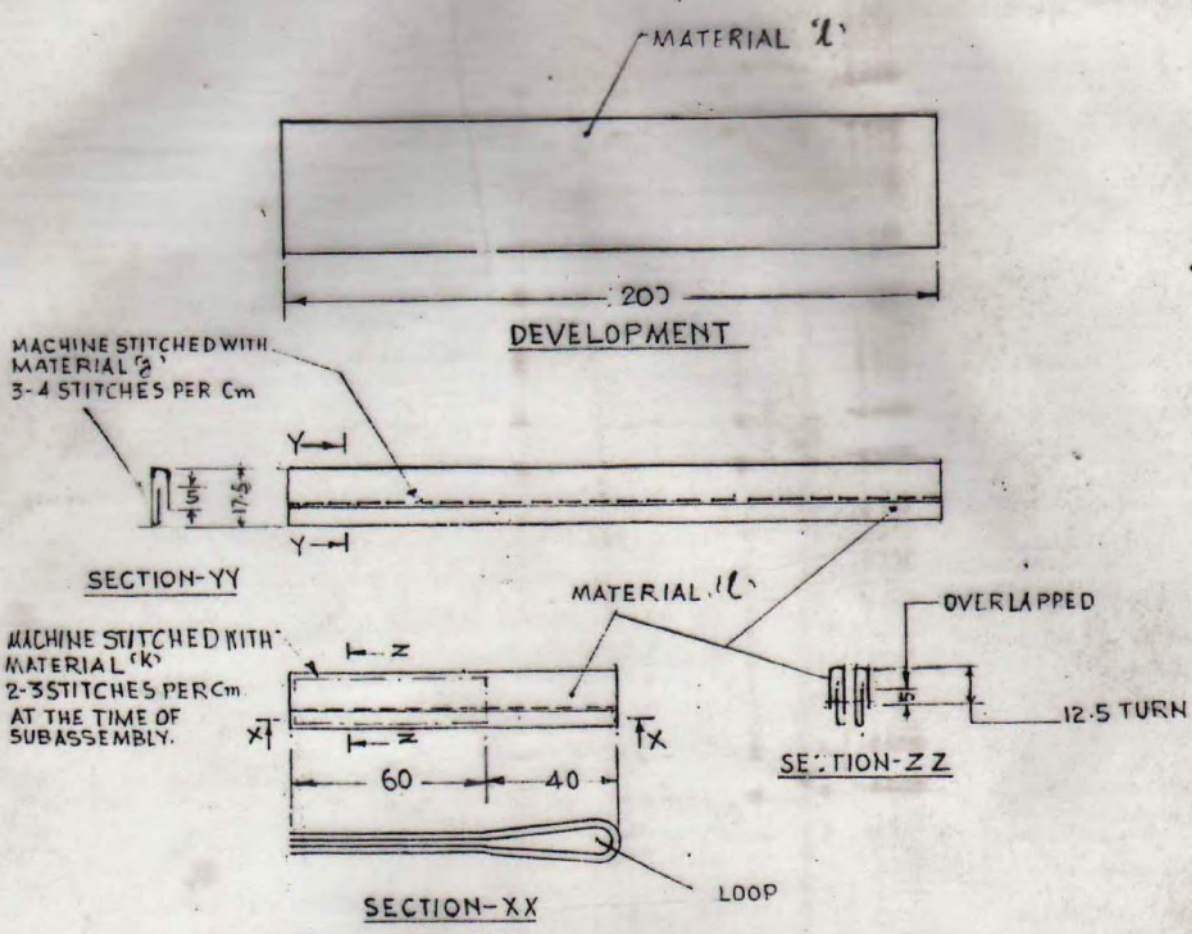
DETAIL OF STATIC LINE

DRN	DRD	MATERIAL	ADPDE, AGRA
CHD	TRD	FINISH	APPROVED
COMR	SCALE: 1:2	HEAT TREATMENT	
PROJ. OFFR.	DIV. HEAD		
DIMENSIONS IN MM		HIGH ALTITUDE PARACHUTE	
TOLERANCE:		1% (MAIN)	
P.R.E.C.E.D.		PRG. DIRECTOR (R.A.)	
P.R.E.C.E.D.		DRG. NO. 1283/AA	
P.R.E.C.E.D.		ADPDE/1283/AA	
P.R.E.C.E.D.		ORD/13/98	

o/c PGD

BRIEF RECORD

R.No. DATE ZONE AUTHORITY



DETAIL OF LOOP
2 - OFF

R.No.	DATE	ZONE	AUTHORITY	BRIEF RECORD		O/C	PGD
DRN. D.KAM.			DRD	MATERIAL:-		ADRDE; AGRA	
CHD	<i>Abdel</i>		<i>Taly</i>	FINISH:-			
TRD			<i>PGD</i>	HEAT TREATMENT:-		APPROVED	
COMP			O/C	SCALE:- 1:2			
DIMENSIONS IN mm		PROJ. OFFR. <i>CR</i>		DIV. HEAD <i>DRD</i>		PROG. DIRECTOR (Q.A.) DRG. No. <i> </i> A. ORDE/1283/A4 (b)	
TOLERANCE:- ANSI/AIAA-5-017-1997		HIGH ALTITUDE PARACHUTE (MAIN)				DRD/3/98	