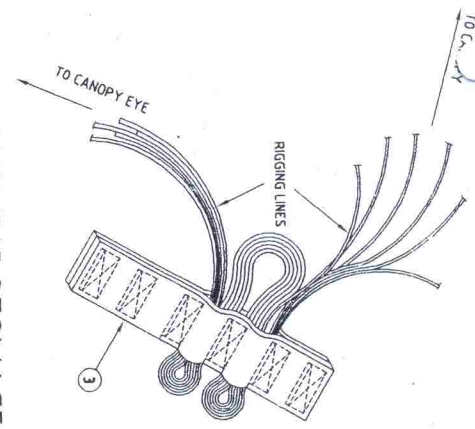


ROWS OF DOUBLE ZIG-ZAG STITCHINGS WITH MATERIAL OF 3-4 STITCHES PER CM TO BE DONE AFTER PASSING RISER END THROUGH CANOPY EYE.

VIEW SHOWING ATTACHMENT OF CANOPY EYE WITH RISER LOOP



VIEW SHOWING STOWAGE OF RIGGING LINES IN THE LOOP BAND

SCHEDULE

SRL	DETAIL No.	SHEET No.	NOMENCLATURE	No. OFF.	SPECN/DRG. No.
1	-	1-2	GENERAL, ASSEMBLY	-	ADDRDE/543(B)
2	1	3-5	CANOPY	1	ADDRDE/543-A-(1a)
3	2	6	RISER	1	ADDRDE/543-A-(2a)
4	3	7	LOOP-BAND	1	ADDRDE/543-A-(3a)
5	4	8	STEEL RING	1	ADDRDE/543-A-(4a)
6	5	9	WIRE ROPE	1	ADDRDE/543-A-(5a)

GENERAL ASSEMBLY

DESIGN AUTHORITY ADDRDE, AGRA	DRAWING CONVENTIONS CONFORM TO IS:696 DIMNS. ARE IN mm UNLESS OTHERWISE STATED	WORKING TOLERANCES ON DIMNS. AS SPECIFIED	DRAWING NAME: PARACHUTE SYSTEM FOR 84 mm CARL GUSTAF ILLUMINATING AMMUNITION (GENERAL ASSEMBLY)
SCALE: NTS	SHEET NO. - 10F9	REF	

LIST OF MATERIALS/COMPONENTS

SRL.	NOMENCLATURE	NO. OF COMP	DETAIL. REF	SPECN./DRG.No.
a	FABRIC NYLON, 75 G, U/D			ADDRDE/SPECN/1980/5(a)
b	TAPE TUBULAR NYLON BRAIDED, 3.5mm U/D			ADDRDE/SPECN/1981/6
c	TAPE TUBULAR NYLON, 14mm U/D			ADDRDE/SPECN/1981/6
d	TAPE NYLON, 19mm, U/D			ADDRDE/BP/3(a)
e	WEBBING NYLON, 25.4 mm, U/D			ADDRDE/SPECN/1983/11
f	THREAD SEWING NYLON LIGHT. 06/UD, V.NO. L3 (BL=40 N)			IS:4229-1978
g	INK BLACK			IND/SL SERIES
h	STEEL RING			ADDRDE/543-A-1/SA-1
j	WIRE ROPE			ADDRDE/543-A-2/SA-1

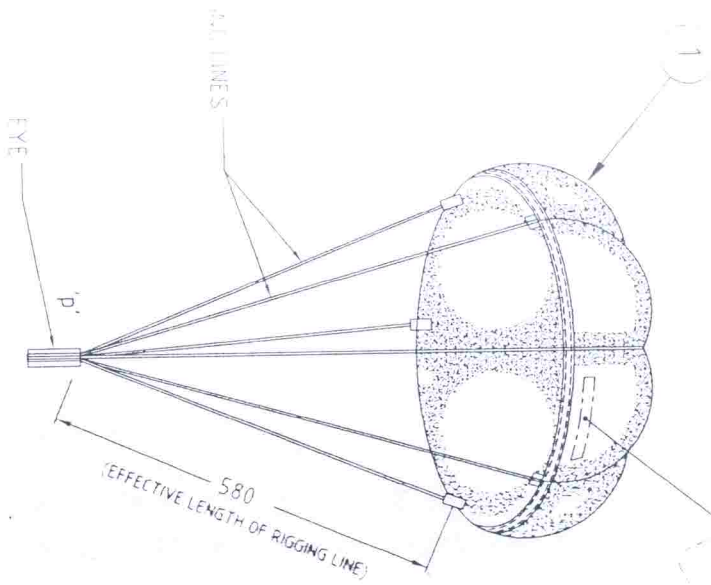
NOTE:- SPECN/DRG No MENTIONED IN THE LIST OF MATERIALS/COMPONENTS UNDER THE COLUMN SPECN/DRG.No. SHALL BE TAKEN AS A REFERENCES TO THE LATEST ISSUE OF THAT SPECN/DRG.No.

DESCRIPTION - THE PARACHUTE IS USED IN THE 84mm ILLUMINATING ROUND FFV545. THE PARACHUTE MAINLY CONSISTS OF CANOPY RIGGING LINES AND RISER. ITS PURPOSE IS TO GIVE THE ILLUMINATING ASSEMBLY A SUITABLE RATE OF DESCENT AFTER BURST.

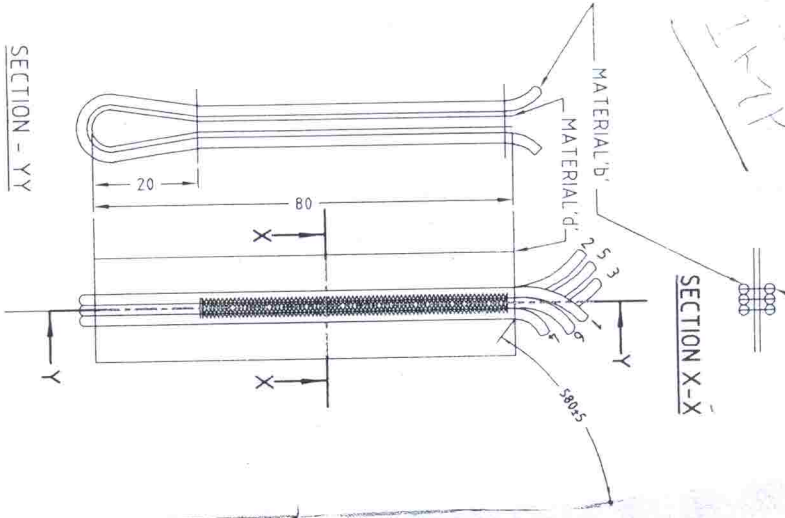
- PACKING - ONE PARACHUTE WILL BE PACKED IN A POLYTHENE BAG OF SUITABLE SIZE. AN APPROPRIATE NUMBER OF SUCH BAGS SHALL BE PLACED IN A CBC OF SIZE 38 Cm X 38 Cm X 45.5 Cm. THE EMPTY SPACES IF ANY IN THE CBC SHALL BE FILLED WITH CUSHIONING MATERIAL TO AVOID DAMAGE IN TRANSIT. THE FLAPS OF THE CBC SHALL BE SECURED BY LACING WITH WINE JUTE 3 PLY THROUGH EYELETS PROVIDED FOR THIS PURPOSE BEFORE DESPATCH EACH BOX SHALL BE LEGIBLY AND INDELIBLY MARKED WITH THE FOLLOWING:-
- (i) NOMENCLATURE AND CAT.NO. OF THE STORE
 - (ii) QUANTITY PACKED IN EACH BOX
 - (iii) SRL NO. OF THE BOX
 - (iv) MONTH & YEAR OF THE PACKING
 - (v) NAME & TRADEMARK OF THE MANUFACTURE
 - (vi) MASS OF THE BOX IN Kg.
 - (vii) NAME AND ADDRESS OF CONSIGNEE.
 - (viii) NAME AND ADDRESS OF CONSIGNOR.
 - (ix) INSPECTION NOTE NO. AND DATE

DESIGN AUTHORITY	DRAWING NAME
ADRDE, AGRA	PARACHUTE SYSTEM FOR 84 mm CARL GUSTAF ILLUMINATING AMMUNITION (GENERAL ASSEMBLY)
SHEET NO - 2 OF 9	REF -
SCALE - NTS	

PLACE FOR MARKING NOMENCLATURE OF THE STORE, CAT NO MANUFACTURER'S NAME OR RECOGNISED TRADE MARK, MONTH & YEAR OF MANUFACTURE AND INSPECTOR'S STAMP WITH INK MATERIAL 'g'



DETAIL OF FORMATION OF EYE (MARKED - 'P')



ASSEMBLY

2-ROWS OF DOURLI JIG-ZAG STITCHINGS WITH MATERIAL 'f', 3-4 STITCHES PER CM

LIST OF MATERIAL/COMPONENTS

SRL	NOMENCLATURE	No OFF COM	SPECN /DRG No
a	FABRIC NYLON, 75 g, U/D	-	ADRDE/SPECN/1980/5(a)
b	TAPE TUBULAR NYLON BRAIDED, 3.5 mmU/D	-	ADRDE/SPECN/1981/6
d	TAPE NYLON, 19 mm, U/D	-	ADRDE/8P/3(a)
f	THREAD SEWING NYLON LIGHT, 06/U/D VARIETY NO L3(BL-40 N)	-	IS 4229-1978
g	INK BLACK	-	IND/SL SERIES
h	STEEL RING	1	ADRDE/543-A-1/SA-1

NOTE: - SPECN/DRG No MENTIONED IN THE LIST OF MATERIALS/COMP UNDER THE COLUMN SPECN /DRG No SHALL BE TAKEN AS A REFERENCE TO THE LATEST ISSUE OF THAT SPECN/DRG No

DETAIL INDEX

DETAIL No.	SHEET No.	NOMENCLATURE	No OFF
1	3	CANOPY, ASSEMBLY	1
4		CANOPY(OUTER FLAT VIEW)	-
5		CANOPY, CUTTING TEMPLATE	2

DESIGN AUTHORITY
ADRDE, AGRA

DRAWING CONDITIONS
CONFORM TO
DIMNS. ARE II
UNLESS OTHER
SPECIFIED

WORKING TOLERANCES ON
DIMNS
- LESS THAN 50 mm - ± 2mm,
51 mm UPTO 250 mm - ± 3mm,
EXCEPT WHERE OTHERWISE
SPECIFIED

DRAWING NAME
**PARACHUTE SYSTEM FOR
84 mm CARL GUSTAF
ILLUMINATING AMMUNITION
(CANOPY)**



SCALE - NI
TITAC

SHEET NO. - 3 OF 9

REF. ADRDE/543-A-1/SA-1

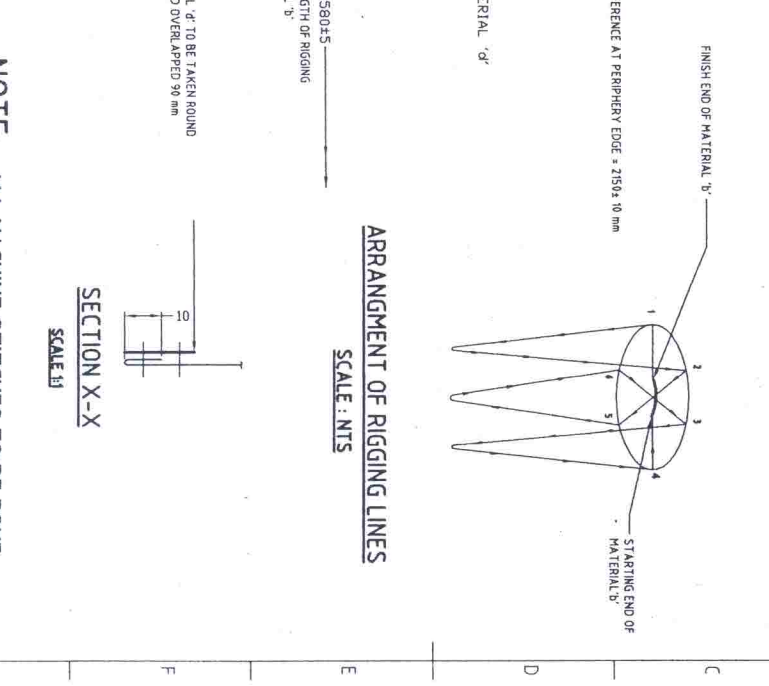
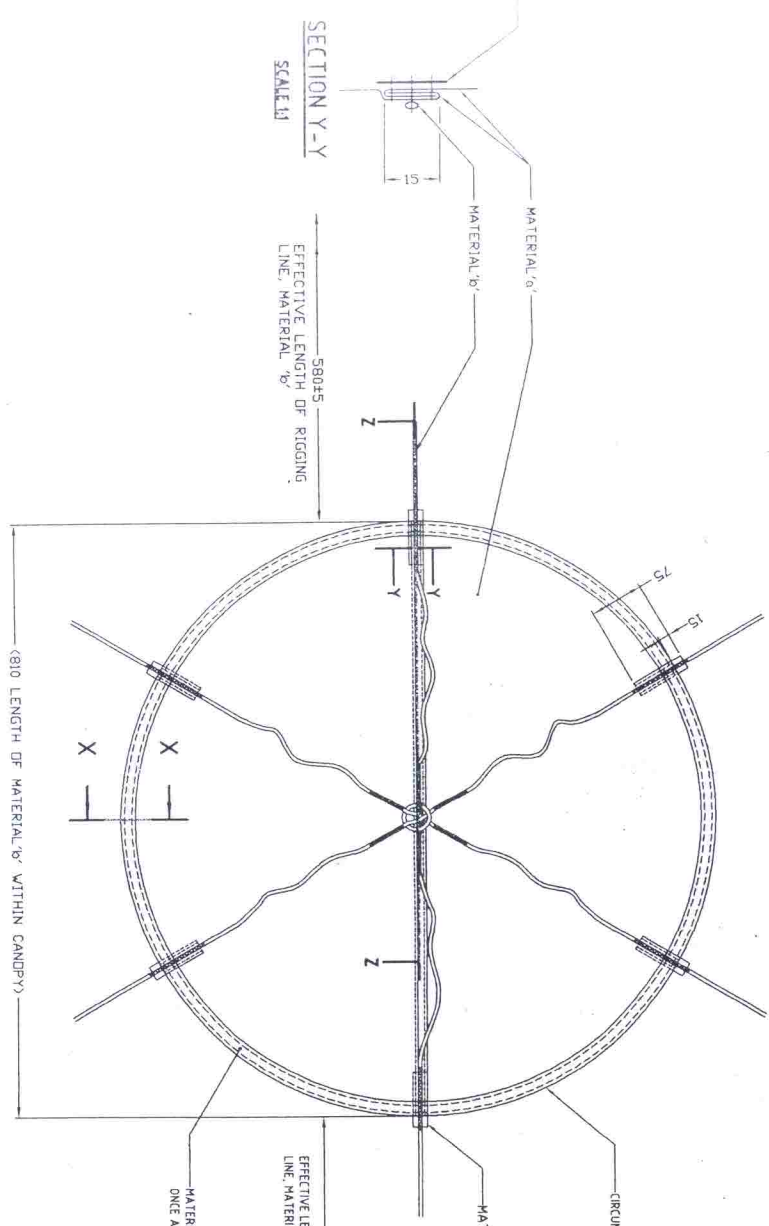
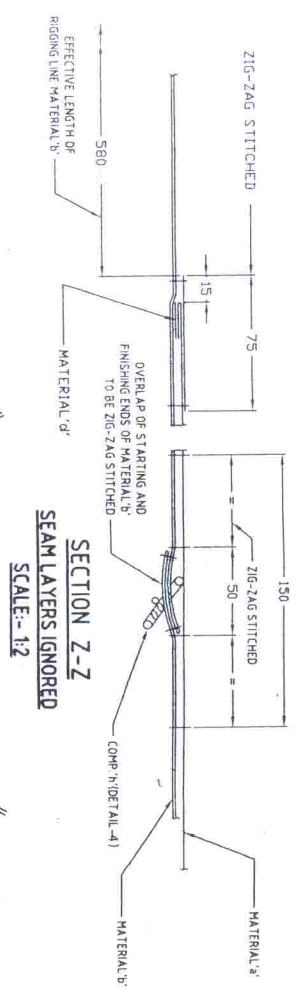
REV NO

REVISION NOTE

DATE

SIGNATURE

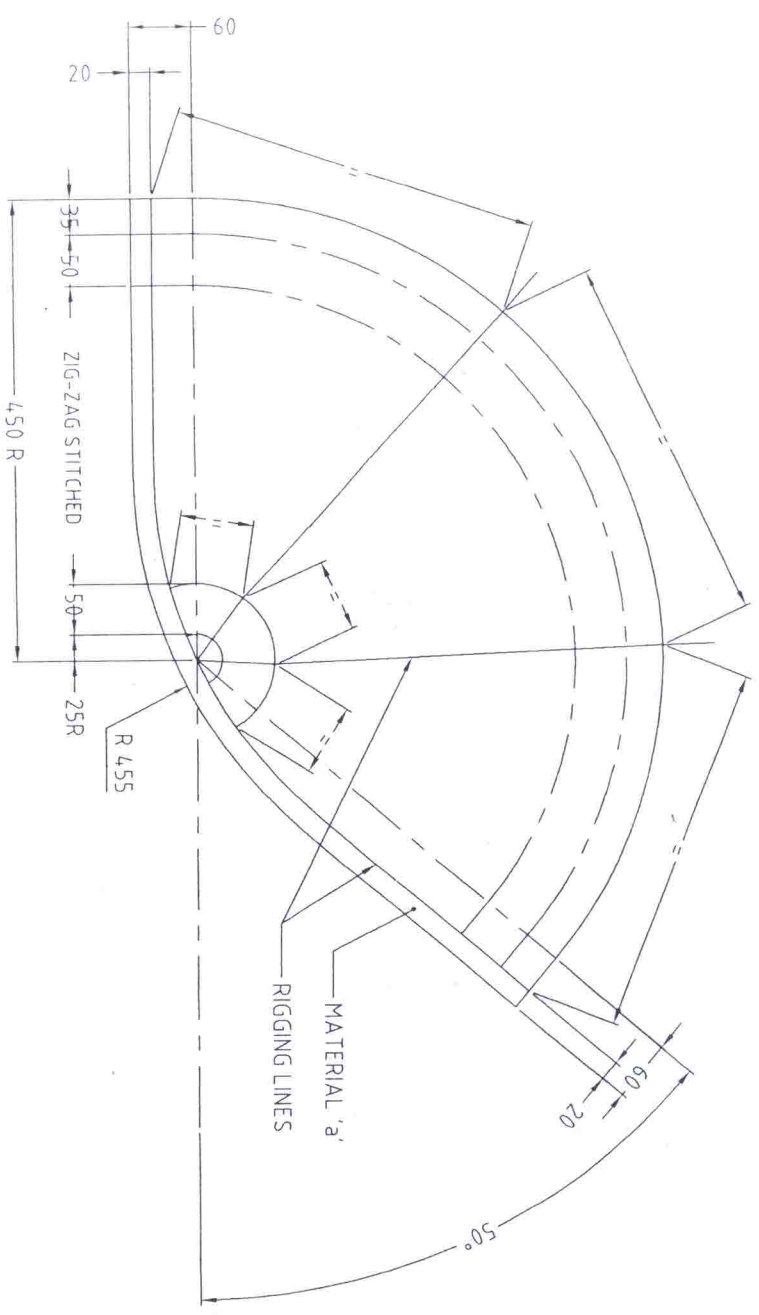
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CANOPY
OUTER FLAT VIEW

NOTE:- ALL MACHINE STITCHES TO BE DONE WITH MATERIAL 'c', 3-4 STITCHES PER CM.

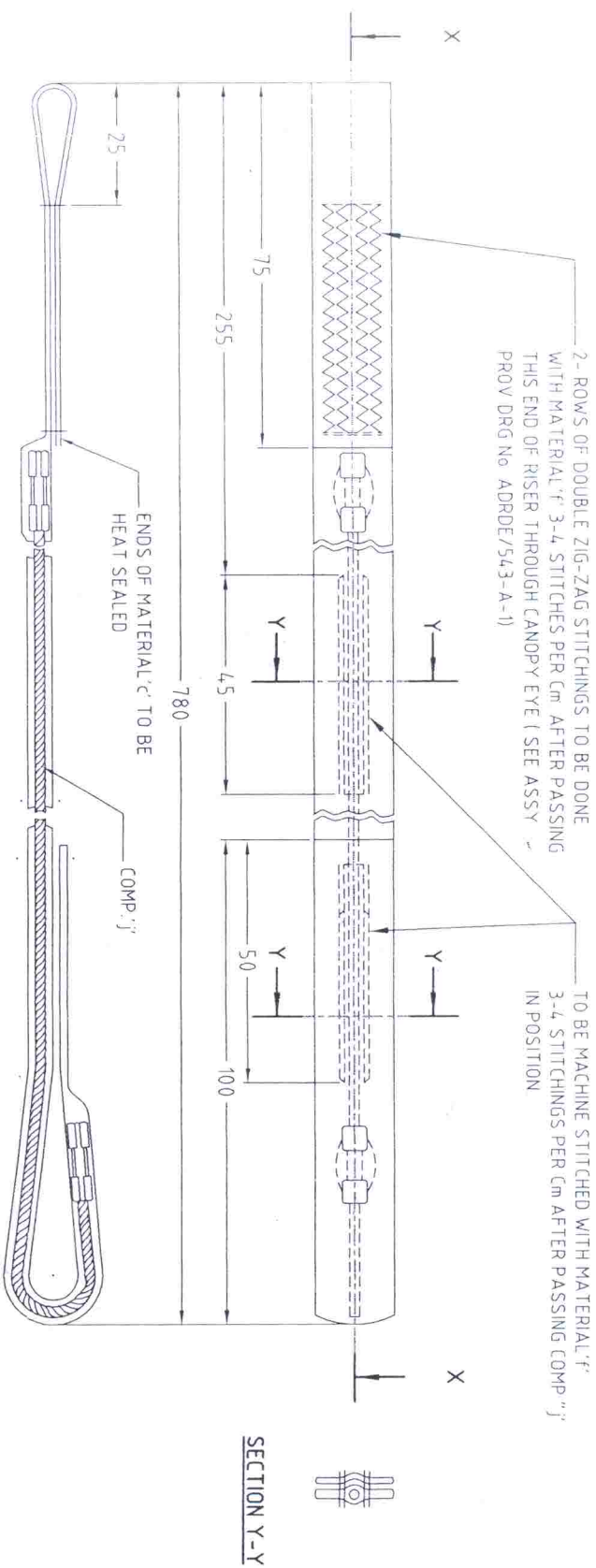
	DESIGN AUTHORITY ADDE, AGRA	DRAWING NAME PARACHUTE SYSTEM FOR 84 mm GUSTAF ILLUMINATING AMMUNITION (CANOPY)
	DRAWING CONVENTIONS DIMS. ARE IN mm UNLESS OTHERWISE STATED	WORKING TOLERANCES ON DIMS - LESS THAN 50 mm - ± 0.2 mm, 51 mm UP TO 250 mm - ± 0.3 mm, ABOVE 251 mm UP TO 750 mm - 0 mm, ABOVE 751 mm UP TO 1520 mm - ± 0.5 mm
SCALE: 1:1, 1:2, 1:5 & NTS	SHEET NO. 4 OF 9	REF: ADEB/26/A-1(9)
TACKLED WITH ABRDE DRAWING HO ADEB/26/A-1(9) (1/15)		



CANOPY, CUTTING TEMPLATE OF CANOPY
2-OFF

<p>DESIGN AUTHORITY</p> <p>ADRDE, AGRA</p>	<p>DRAWING CONVENTIONS</p> <p>CONFORM TO IS:695</p> <p>DIMNS. ARE IN mm</p> <p>UNLESS OTHERWISE STATED</p>	<p>WORKING TOLERANCES ON DIMNS.</p> <p>-LESS THAN 50 mm- ± 2 mm,</p> <p>51 mm UPTO 250 mm- ± 3 mm,</p> <p>251 mm UPTO 750 mm- ± 6 mm.</p>	<p>DRAWING NAME:</p> <p>PARACHUTE SYSTEM</p> <p>FOR 84 mm CARL GUSTAF</p> <p>ILLUMINATING AMMUNITION</p> <p>(CANOPY)</p>
	<p>SCALE - 1:5</p>	<p>SHEET NO. - 5 OF 9</p>	<p>REF ADRDE/43-43 - A-1 (0)</p>
<p>TRACED WITH ADRDE DRAWING NO. ADRDE/43-43 - A1- (0)</p>			

2 3 4 5 6 7 8



NOTE: - SPECN/DRG No MENTIONED IN THE LIST OF MATERIALS UNDER THE COLUMN SPECN/DRG No. SHALL BE TAKEN AS A REFERENCES TO THE LATEST ISSUE OF THAT SPECN/DRG No

ASSEMBLY

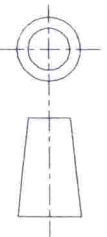
LIST OF MATERIAL/COMPONENTS

SRL	NOMENCLATURE	No. OFF COMP.	SPECN/DRG.No
c	TAPE TUBULAR NYLON 14 mm U/D	-	ADRDE/SPECN/1981/6
f	THREAD SEWING NYLON LIGHT 06/UD VARIETY No.13 (BS 40N)	-	IS-4:229-1978
g	INK BLACK	-	IND/SL SERIES
j	WIRE ROPE	1	ADRDE/543-A-2/SA-1

DESIGN AUTHORITY
ADRDE, AGRA

DRAWING CONVENTIONS
CONFORM TO IS:696
DIMNS. ARE IN mm
UNLESS OTHERWISE STATED

DRAWING NAME
PARACHUTE SYSTEM
FOR 84 mm CARL GUSTAF
ILLUMINATING AMMUNITION
(RISER)



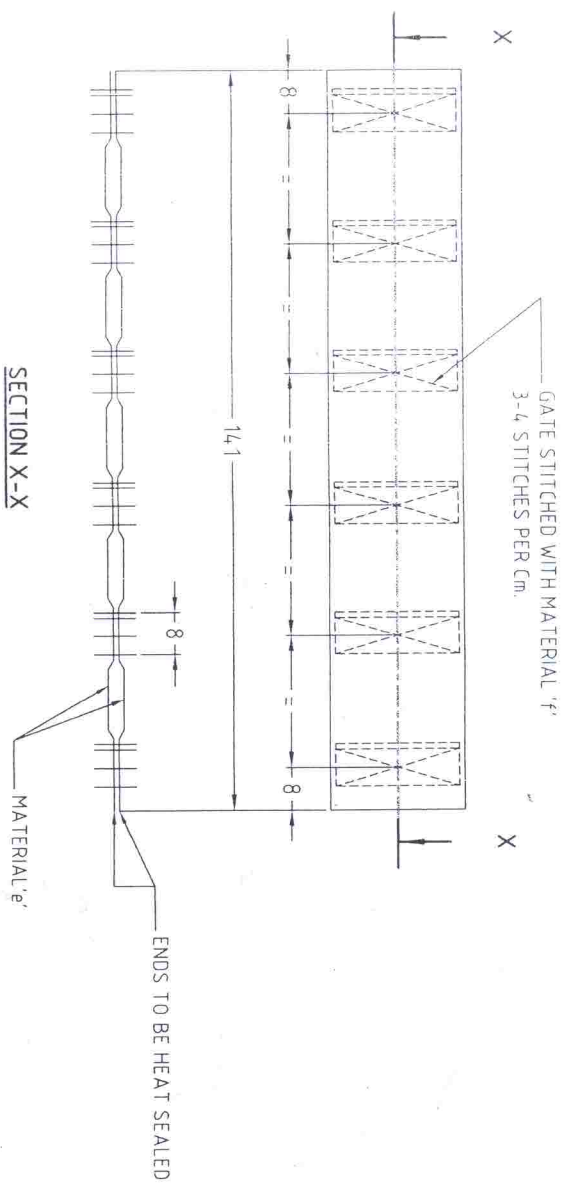
SCALE - 11

SHEET NO - 6 OF 9

REF: ADRDE/43-A-2 (b)

TRACED WITH ADRDE DRAWING NO. ADRDE/543-A2 (b)

2	3	4	5	6	7	8
REV NO	REVISION NOTE	DATE	SIGNATURE	CHECKED		



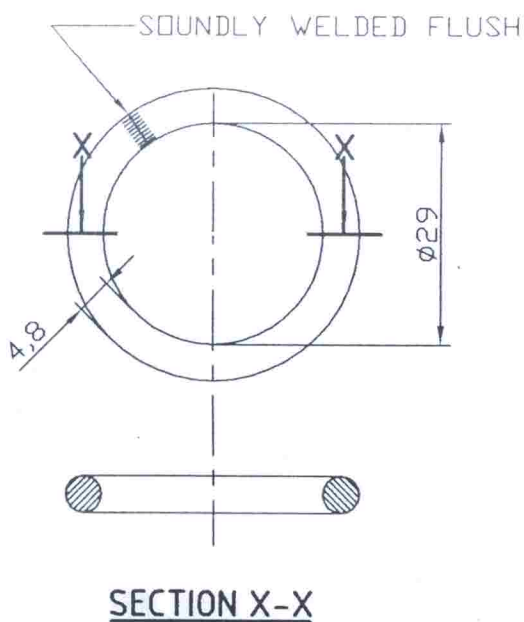
LIST OF MATERIALS

SRL	NOMENCLATURE	SPECN./DRG.No.
e	WEBBING NYLON, 25.4 mm U/D	ADRDE/SPECN/1983/11
f	THREAD SEWING NYLON LIGHT, 06/UD VARIETY No.L3 (BS 40N)	IS:4229-1978

1-OFF

NOTE :- SPECN/DRG No. MENTIONED IN THE 'LIST OF MATERIALS' UNDER THE COLUMN SPECN./DRG.No. SHALL BE TAKEN AS A REFERENCES TO THE LATEST SPECN./DRG.No.

DESIGN AUTHORITY ADRDE, AGRA		DRAWING NAME PARACHUTE SYSTEM FOR 84 mm CARL GUSTAF ILLUMINATING AMMUNITION (LOOP BAND)	
DRAWING CONVENTIONS CONFORM TO IS:696 DIMNS. ARE IN mm UNLESS OTHERWISE STATED		GEN. TOL.:-	
SCALE:- 1:1	SHEET NO.:- 7 OF 9	REF: ADRDE/43-A3 (b)	
TRACED WITH ADRDE DRAWING NO. ADRDE/43-A3 (b)			



FINISH :- TO BE FINISHED SMOOTH AND CADMIUM PLATED TO AN AVERAGE THICKNESS OF 0.012 mm AND CHROMATE PASSIVATED AS PER SPECN. IS: 1572-1968.

PACKING :- EACH RING SHALL BE WRAPPED IN TISSUE PAPER AND 25 NOS. THUS WRAPPED BE PACKED IN A SUITABLE CARTON. 10 SUCH CARTONS SHALL BE PACKED IN A C.W.P. (DULY LINED WITH PAPER PACKING WATER PROOF). ONE SAMPLE IN EACH CARTON SHALL BE IDENTIFIED BY A LABEL SHOWING THE NOMENCLATURE OF THE STORE AND YEAR OF MANUFACTURING. EACH CARTON SHALL BE MARKED

WITH THE INTIAL'S OF THE MANUFACTURE BEFORE DESPATCH EACH PACKING CASE SHALL BE ILLEGIBLY AND INDENIBLY MARKED WITH FOLLOWING DETAILS :-

- (i) NOMENCLATURE, CAT.NO. OF THE STORE AND THE YEAR OF THE MANUFACTURE.
- (ii) TOTAL NO. OF THE PACKING CASES AND NO. OF THE INDIVIDUAL PACKING CASE IN A CONSIGNMENT.
- (iii) NO. OF CARTONS IN EACH PACKING CASE AND THE QUANTITY IN EACH CARTON.
- (iv) MASS OF THE PACKING CASE IN Kg.
- (v) ADDRESS OF THE CONSIGNEE.
- (vi) ADDRESS OF THE CONSIGNOR.

DESIGN AUTHORITY
ADRDE, AGRA

DRAWING CONVENTIONS
CONFORM TO IS:696
DIMNS. ARE IN mm
UNLESS OTHERWISE
STATED

GEN. TOL. ± 0.5 mm
EXCEPT OF MATERIAL
CROSS SECTION

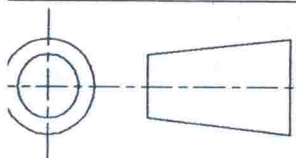
DRAWING NAME: PARACHUTE SYSTEM
FOR 84 mm CARL GUSTAF
ILLUMINATING AMMUNITION
(STEEL RING)

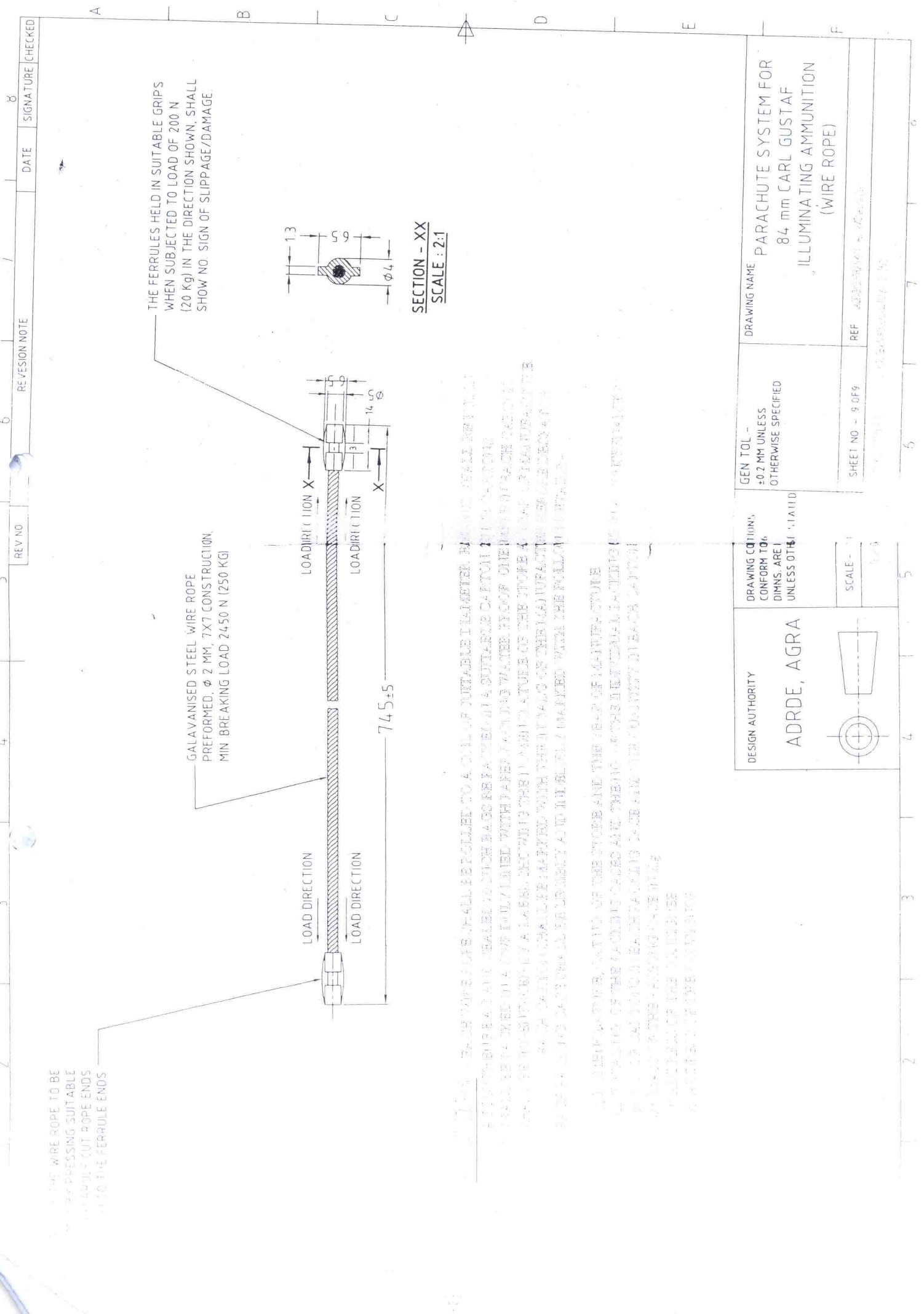
SCALE :- 1:1

SHEET NO : 8 OF 9

REF: ADRDE/543-A1/SA-1(b)

Traced with ADRDE Drawing no. ADRDE/543-A1/SA-1(b)





SECTION - XX
SCALE : 2:1

THE WIRE ROPE TO BE HELD BY PRESSING SUITABLE CUT ROPE ENDS TO THE FERRULE ENDS

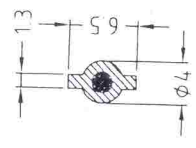
THE FERRULES HELD IN SUITABLE GRIPS WHEN SUBJECTED TO LOAD OF 200 N (20 Kg) IN THE DIRECTION SHOWN, SHALL SHOW NO. SIGN OF SLIPPAGE/DAMAGE

GALVANISED STEEL WIRE ROPE PREFORMED, φ 2 MM, 7X7 CONSTRUCTION, MIN. BREAKING LOAD 2450 N (250 KG)

LOAD DIRECTION

LOAD DIRECTION

745 ± 5



DESIGN AUTHORITY ADRDE, AGRA	DRAWING CODES, CONFORM TO, DIMS. ARE I UNLESS OTHERWISE STATED	GEN. TOL - ± 0.2 MM UNLESS OTHERWISE SPECIFIED	DRAWING NAME PARACHUTE SYSTEM FOR 84 mm CARL GUSTAF ILLUMINATING AMMUNITION (WIRE ROPE)
	SCALE - 2:1	SHEET NO - 9 OF 9	REF. ADRDE/AGRA/.../...