

**GOVERNMENT OF INDIA  
(MINISTRY OF DEFENCE)**

PROVISIONAL SPECIFICATION  
NO.DMSRDE/T&GS/93/408 (b)  
[Drawing 30 Plates attached]

**SPECIFICATION  
FOR  
TENT GLACIER 10-12 MEN COMPLETE (TEXTILE DECKING)**

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1. THIS SPECIFICATION CONSISTS OF SIX PAGES.
  2. THIS SPECIFICATION IS INTENDED TO GUIDE PURCHASE, INSPECTION AND MANUFACTURE OF TENT GLACIER AGAINST DEFENCE REQUIREMENT.
- THIS SPECIFICATION OR ANY OTHER INFORMATION ISSUED IN CONNECTION THEREWITH SHALL ONLY BE USED FOR SPECIFIC ORDER PLACED BY A COMPETENT AUTHORITY. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE WHATSOEVER WITHOUT THE EXPRESS WRITTEN SANCTION OF THE APPROPRIATE AUTHORITY.
4. ALL CLAUSES IN THIS SPECIFICATION SHALL BE COMPLIED WITH IN EVERY RESPECT, IRRESPECTIVE OF THE SOURCE OF SUPPLY OF THE MATERIAL.
  5. IN CASE OF ANY DISCREPANCY BETWEEN THIS SPECIFICATION AND SAMPLE LOANED FOR ANY PURPOSE, THIS SPECIFICATION ALONGWITH OTHER CONNECTED SPECIFICATIONS SHALL BE TAKEN AS CORRECT AT THE TIME OF FINALISATION OF A CONTRACT.
  6. WHEREVER A REFERENCE TO ANY OTHER SPECIFICATION OCCURS IN THIS SPECIFICATION, IT SHALL BE TAKEN AS A REFERENCE TO THE LATEST VERSION OF THAT SPECIFICATION EXISTING AT THE TIME OF FINALIZATION OF THE CONTRACT.
- 

**ISSUED BY**

**THE DIRECTOR  
DEFENCE MATERIALS AND STORES  
RESEARCH & DEVELOPMENT ESTABLISHMENT  
DMSRDE P.O.  
G.T. ROAD, KANPUR:-208 013**

(60)

**SCOPE**

- 1.1 This specification covers the requirements of the following textile components of Tent Glacier for housing 10 -12 men.
  - i) Fly Outer
  - ii) Liner inner attached with Ground Sheet.
  - iii) Bag for Outer Fly.
  - iv) Bag for Liner Inner.
  - v) Bag large for Poles.
  - vi) Bag small for Poles.
  - vii) Bag for 3 way/ 4 way Joints
  - viii) Bag for Pins.
  - ix) Packing straps for outer fly and liner inner.
  - x) Repair Kit Bag

**2. SEALED SAMPLE**

1 The Tent Glacier shall conform in every respect to the terms of this specification. In workmanship, finish and in all other respects not defined in this specification, it shall conform to the sealed sample held in the custody of the Controlling Authority.

**3. MATERIALS**

3.1 The tent shall be manufactured from the materials mentioned below:

| <u>S.No.</u> | <u>Materials</u>                                     | <u>Particulars</u>                         |
|--------------|--|--|
| i)           | Fabric Polyester 650 gsm PVC Coated 140cm Wide White | Prov. Specn. No. DMSRDE/T&GS/93/409(b)     |
| ii)          | Fabric Polyester 650 gsm PVC Coated 140cm Wide Grey  | --- do ---                                 |
| iii)         | Non- Woven Polyester Fabric 140cm Wide               | Prov. Specn. No. DMSRDE/T&GS/TEX-2/2009/01 |
| iv)          | Fabric Nylon Knitted Aluminised 100cm Wide           | Prov. Specn. No. DMSRDE/T&GS/TEX-2/2009/02 |
| v)           | Fabric Cotton Closely woven 237 gsm Scoured          | JSS - 8305 -5                              |
| vi)          | Tape Nylon Thin 70 mm Undyed                         | Prov. Specn. No. DMSRDE/TEX-2/93/3         |
| vii)         | Tape Nylon Thick 38 mm Undyed.                       | Prov. Specn. No. DMSRDE/T&GS/92/403        |

Contd.....P/3

(59)

- |        |  |  |
|--------|--|--|
| viii)  | Tape Nylon Thick 25 mm Undyed.   | Prov. Specn. No.<br>DMSRDE/T&GS/92/403   |
| ix)    | Rope Nylon Hawserlaid 8 mm Undyed  | JSS- 4020 - 1  |
| x)     | Cord Nylon 3120 N Breaking Load<br>Undyed  | JSS- 4020 - 9  |
| xi)    | HDPE Monofilament Mosquito Netting<br>Round Mesh Undyed.                         | IS: 10054  |
| xii)   | Fastener Hook and Loop Tape Synthetic<br>Undyed 50 mm                            | IS: 8156   |
| xiii)  | Sewing Nylon Undyed for Aerospace<br>Purpose                                     | IS: 4229 Variety No. H2 with<br>amendment No. 1 , April 1983                           |
| xiv)   | Sewing Cotton 16 Tex X 6 White   | IS: 1720   |
| xv)    | Slide Fastener Plastic Heavy Duty White<br>Closed end one way with Double Puller | IS: 14181  |
| xvi)   | Eyelet Aluminium Alloy No. 30 with<br>washer                                     | IS: 4084 (with amendment No. 1)<br>and supplementary schedule No.<br>CQA (GS)/ SS/335. |
| xvii)  | Dees Iron 40 mm  | Prov. Specn. No.<br>DMSRDE/T&GS/93/407(b)  |
| xviii) | Buckle Steel Serrated 25 mm  | -- do --   |
| xix)   | Loop with Toggle   | Details given on sheet No. 28 of the<br>attached drawing.                              |
| xx)    | Runner   | Prov. Specn. No.<br>DMSRDE/T&GS/93/407(b)  |
| xxi)   | Shackle with Pin   | -- do --   |

4. MANUFACTURE

- 4.1 The Fly outer, liner inner with ground sheet, packing straps & Repair kit Bags shall be manufactured as per the details given in the attached drawing.

5. WORKMANSHIP AND FINISH

- 5.1 In appearance, shape, workmanship and finish and in all other respects not defined in the drawing/ specification, the tent shall conform to sealed pattern held in the custody of the Controlling Authority.

Contd.....P/4

STITCHING

6.1 The tent shall be machine stitched with lock stitches regulated at 25 ± 5 stitches per dm with even tension. The ends of threads shall be trimmed off. The quilting of liner inner shall be done by machine. To prevent unravelling, thread breaks shall be back stitched (over lapped) for not less than 25 mm at each thread break end.

7. REPAIR KIT

7.1 The following items shall be properly placed in the repair kit.

| S.No. | Nomenclature   | Qty.                     | Particulars                        |
|-------|--|--------------------------|------------------------------------|
| 1.    | Adhesive Tubes ( Dendrite)   | 2 Nos.<br>each of 50 'g' | Best Trade<br>Quality              |
| 2.    | Scissors Tailor 255 mm long<br>(Type-II) IS: 989                                       | 1 Pair                   | JSS-651-35-1966<br>(Revision No.1) |
| 3.    | Fabric Polyester 650 gsm PVC<br>Coated 140 cm wide White & Grey                        | 50 cm each               | -                                  |
| 4.    | Circular Pieces of 50 mm dia of<br>Fabric Polyester 650 gsm PVC<br>Coated White & Grey | 20 Nos. each             | -                                  |
| 5.    | Clips ( to be fitted in Three way/Four<br>way joints)                                  | 15 Nos.                  | -                                  |

8. MARKING

8.1 Prior to being offered for inspection, fly outer, liner inner shall be legibly and indelibly marked in 2.5 cm characters with the manufacturer's name, initial or recognized trade mark, year of manufacture, A/T No, serial number, nomenclature and catalogue number of the store using suitable ink/ paint duly approved by inspector. The fly outer shall be marked on the inner side and liner inner on the outer side at the position shown in the attached drawing.

2 The repair kit bag shall also be marked with the word "REPAIR KIT" in 2.5 cm characters.

9. PACKING

9.1 The fly outer and liner inner shall be folded neatly to form a bundle of rectangular shape of suitable size to be accommodated inside the respective packing bag. The bundle of fly outer and liner inner each shall be tied at two places with respective packing straps provided for the purpose. The guy ropes (rolled into hanks) and repair kit shall be placed within the folds of the outer fly before rolling into the bundle. The bundle of the fly outer and liner inner shall then be kept inside the respective packing bags. The flaps of the bags shall then be fastened with the ropes attached. The packing bags containing fly outer and liner inner shall then be wrapped with an inner layer of polythene film 0.04 mm (150 gauge) and an outer layer of cloth 'C' Heavy or an equivalent quality of Hessian cloth previously approved by the inspector to form a compact package of rectangular shape as far as possible. Press packing shall not be resorted to. The package shall be properly and securely stitched with double 3 ply jute twine with not less than five stitches per dm taking care not to pierce the inner wrapping during stitching. Sufficient Hessian cloth shall be pulled out of each corner to form "ears" of about 15 cm in length.

Contd.....P/5

2 Before dispatch each bag/ pack shall be legibly marked showing following details.

- i) Nomenclature of the store
- ii) Quantity packed in the bag/ pack
- iii) Lot and serial No. of bag/ pack
- vii) Month and year of the packing
- viii) Name and address of the consignee
- ix) Name and trade mark of the manufacturer
- x) Inspection note no. and date
- xi) A/T No. and date
- xii) Gross weight of the bag/pack in Kg

10. PRE-INSPECTION

10.1 Before tendering the store to the Govt. Inspector, the supplier shall carryout thorough pre-inspection of each delivery to satisfy himself that the stores fully conform to this specification. In case, the pre- inspection is found unsatisfactory, the stores may be rejected out right by inspector.

11. SAMPLING AND CRITERIA FOR CONFORMITY

- 11.1 The quantity of each component of the tent offered against one 'dispatch note' shall constitute a lot.
- 11.2 The conformity of a lot to the requirements of the standard shall be determined on the basis of the tests/examination carried out on the tent selected from the lot.
- 11.3 The number of tent components to be selected at random for thorough examination shall be in conformity with the following table:-

TABLE

| Lot size<br>(No. of tent components e.g Fly outer, Inner liner, Repair kit & bags) | No. of components to be selected |
|--|----------------------------------|
| 0 to 50  | 2                                |
| 51 to 100  | 4                                |
| 101 to 200   | 6                                |
| 200 to 300   | 8                                |
| 301 to 500   | 10                               |
| 501 and above  | 12                               |

- 11.4 For assuring himself about the quality of the basic materials, the inspecting officer will exercise his option to draw stage control samples of different basic materials for laboratory testing.
- 11.5 The inspecting officer / AHSP may also take out samples of the basic materials from the made up tent to ensure that the fabrics /components used in the supplies conform to the stipulated standard. Frequency of drawing such samples will also be at the discretion of the inspector/AHSP.

Contd.....P/6

12. INSPECTION

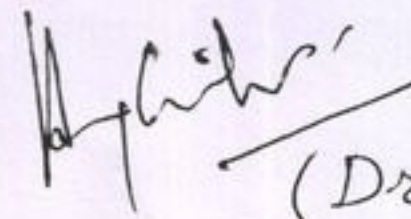
- 12.1 If on examination, material from any portion of a consignment is found not to be fully in accordance with this specification, the whole consignment is liable to be rejected.
- 12.2 If on examination of 20% of any delivery, 20% of those examined are found not to conform to this specification in any respect, the whole consignment may be rejected. However, when the delivery lots are large, the decision may be based on examination of 10% only i.e on examination of 10% of the delivery, 20% are found not to conform to this specification, the whole delivery may be rejected.
- 12.3 The tents not fully in accordance with this specification shall be rejected.

13. WARRANTY CLAUSE

- 13.1 The store supplied against an order shall be deemed to bear warranty of the contractor against defective materials/ workmanship and performance for a period of 12 months from the date of receipt of the stores at consignee's depot. If during the period, the stores supplied are found by the consignee to be defective, the same shall be replaced immediately with serviceable stores without any charges or cost.

Date : 22.01.2010

Place : Kanpur

  
(Dr. Anurag Srivastava)  
'S.F.'

for DIRECTOR

DEFENCE MATERIAL AND STORES RESEARCH  
& DEVELOPMENT ESTABLISHMENT  
G.T. Road, K A N P U R - 208013

Drawn Spasm. No. DMSRDE/TT26S/93/408 (b)

SECTION EE

BAG SMALL FOR POLES

# TENT GLACIER

30-PLATES  
PLATE - 24

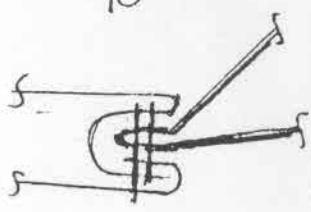
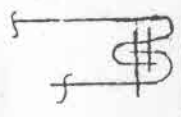
SECTION DD

MATL - (2)  
1 - OFF

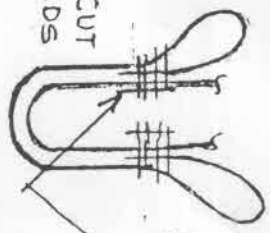
SECTION - BB

SECTION - CC

SECTION-AA

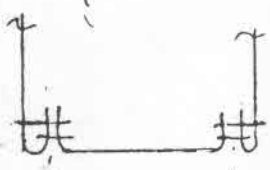


MTL. (10) x 150 Cm CUT  
LENGTH FREE ENDS  
HEAT SEALED

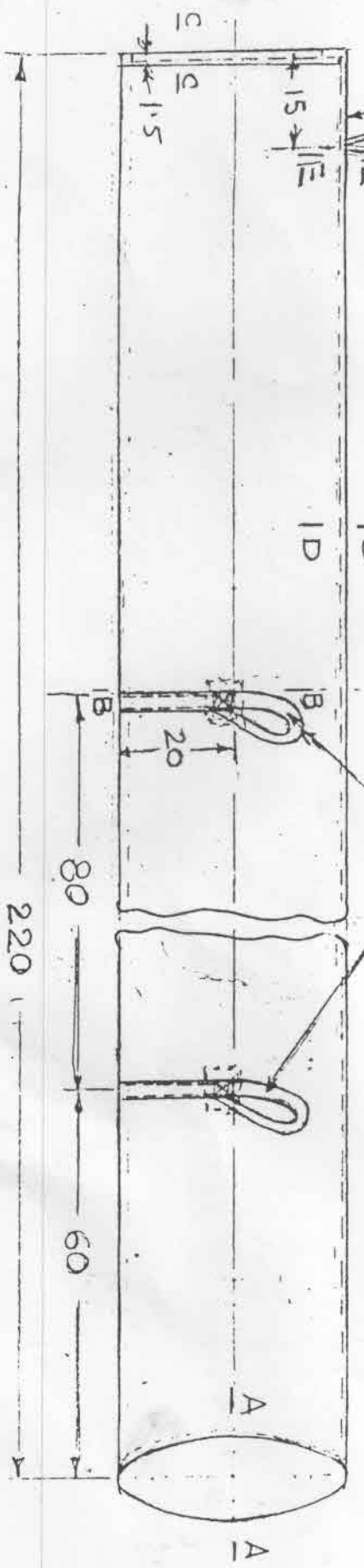


STRENGTHENING  
PIECE MATL (2)  
6x6 cm

MATL - (7) x 140 cm.  
CUT LENGTH EACH



35 DIA.



FIRST ANGLE PROJECTION

DIMENSIONS IN C.M.

|                            |                              |                             |                             |
|----------------------------|------------------------------|-----------------------------|-----------------------------|
| DRAWN BY<br><i>Shankar</i> | CHECKED BY<br><i>Shankar</i> | PASSED BY<br><i>Shankar</i> | APPROVED.<br><i>Shankar</i> |
|----------------------------|------------------------------|-----------------------------|-----------------------------|

ALL STITCHING DONE WITH  
MATL - (13)

Draw. Specn. No. DMSRDE/T 2 GS/93/408 (b)

# TENT GLACIER

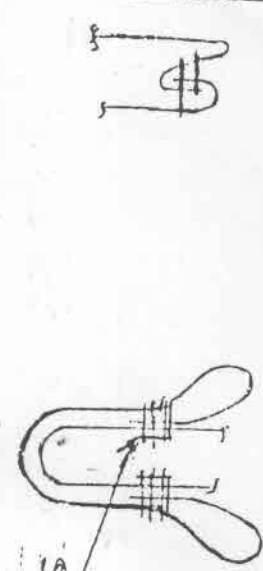
30-PLATES  
PLATE-23

SECTION - DD      SECTION - BB      BAG LARGE FOR POLES

MATL - ②  
1 - OFF

SECTION - CC

SECTION - AA

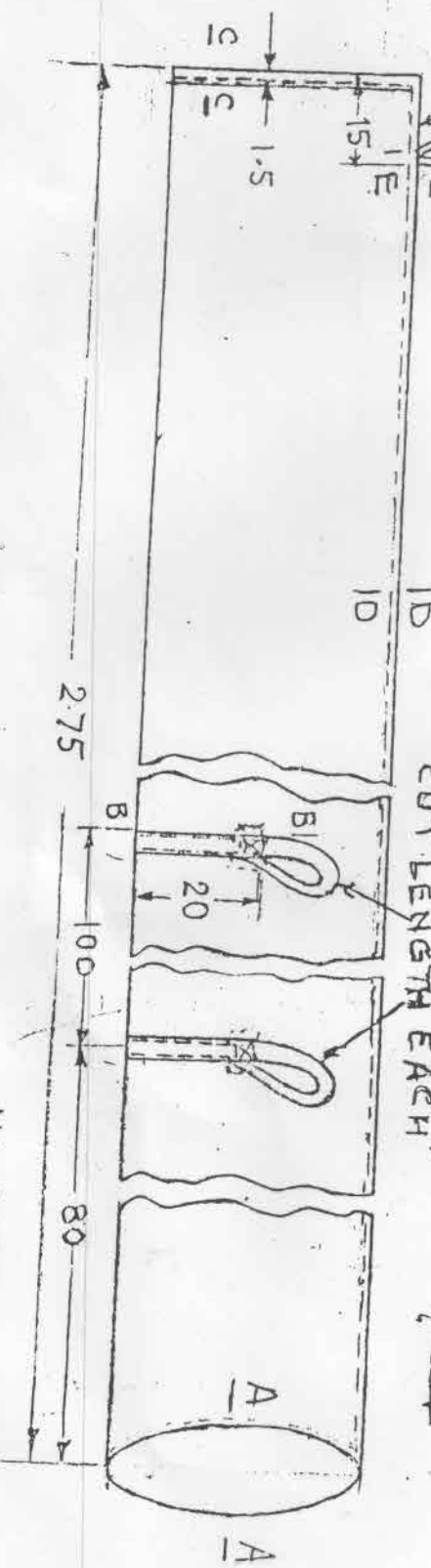
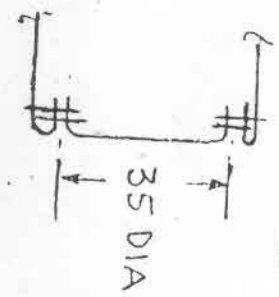


STRENGTHENING  
PIECE MATL ②  
6 X 6 CM



MATL ⑩ X  
150 CM. CUT LENGTH, FREE  
ENDS HEAT SEALED,

MATL ⑦ X 140 CM  
CUT LENGTH EACH



FIRST ANGLE PROJECTION

DIMENSIONS IN C.M.

DRAWN BY  
*[Signature]*

CHECKED BY  
*[Signature]*

PASSED BY  
*[Signature]*

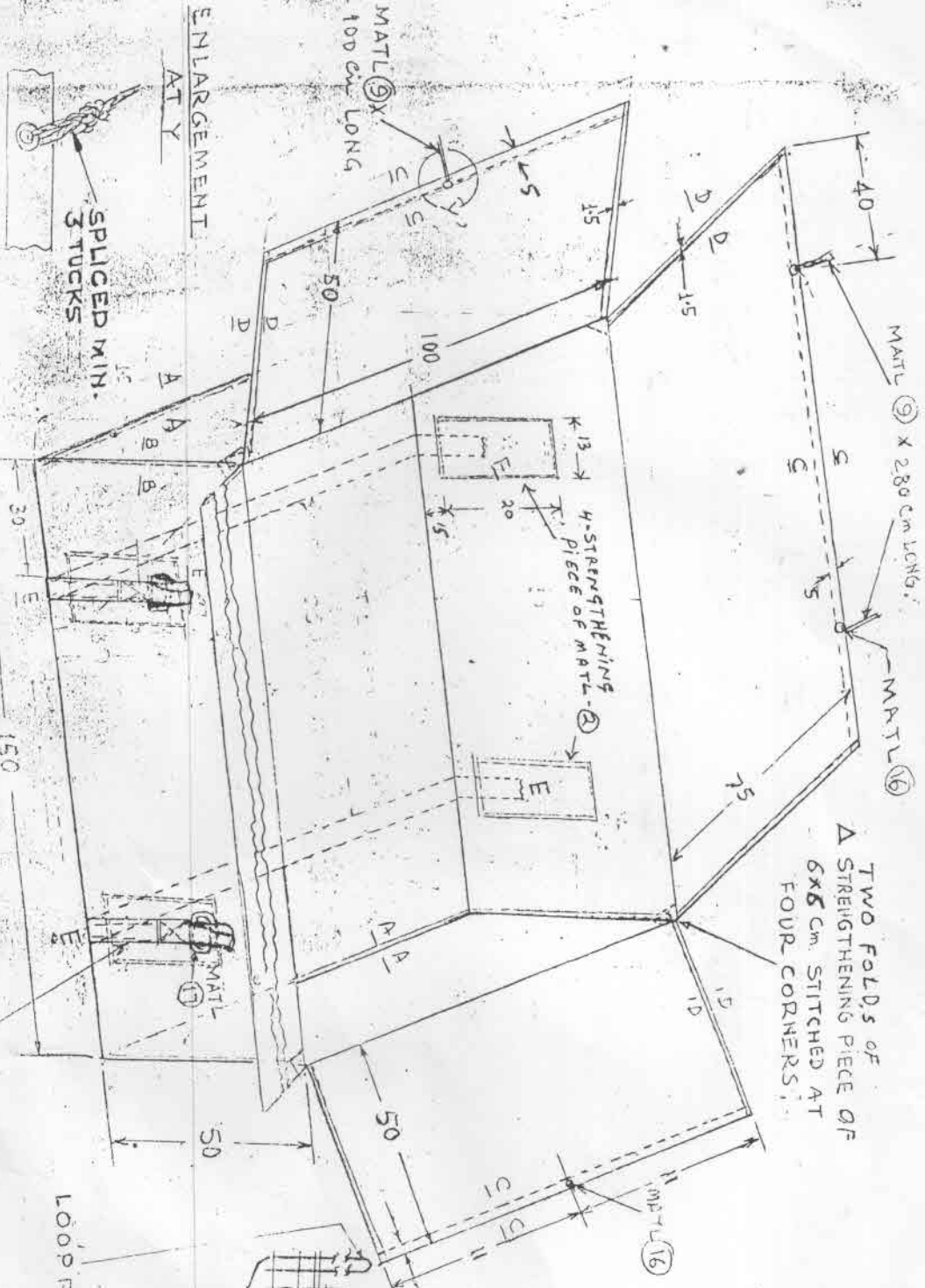
APPROVED,  
*[Signature]*

ALL STITCHING DONE WITH  
MATL ⑬

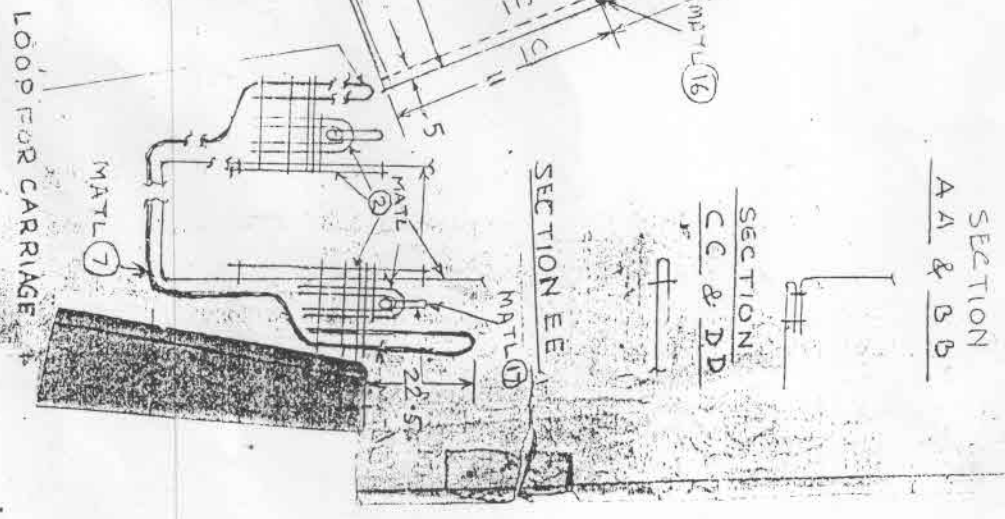


# TENT GLACIER BAG FOR INNER LINER

MATL-2  
1-OFF



DIMENSIONS IN CENTIMETRES  
FIRST ANGLE PROJECTION  
DRAWN BY  
CHECKED BY  
PASSED BY  
APPROVED BY  
CUT LENGTH OF MATL 7 X 250 CM



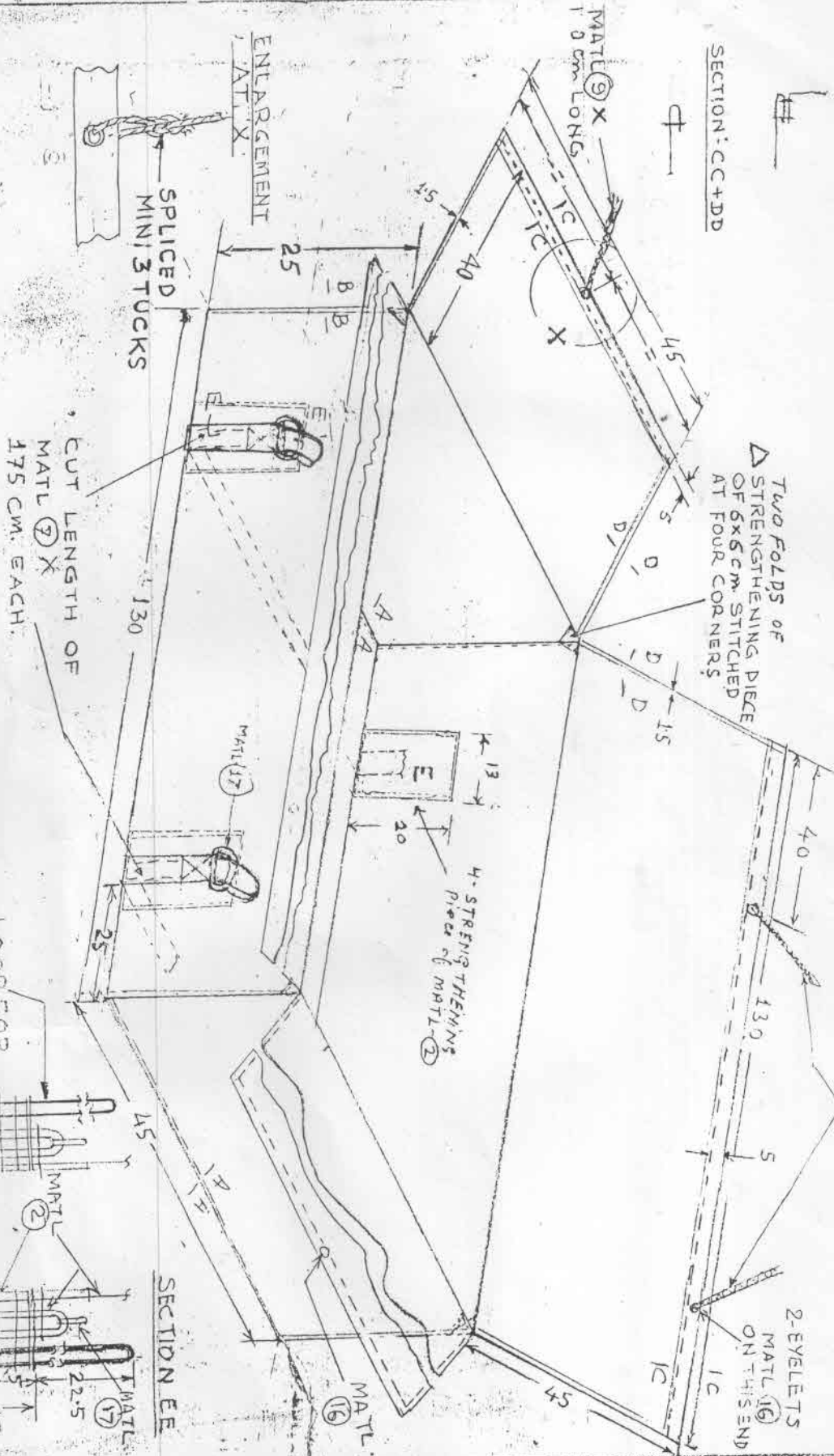
# TENT GLACIER

## BAG FOR FLY OUTER

30-PLATES  
PLATE -21

SECTION AA+BB  
MATT-2  
1-OFF

SECTION CC+DD



DIMENSIONS IN CENTIMETRES  
FIRST ANGLE PROJECTION DRAWN BY

CHECKED BY PASSED BY APPROVED BY

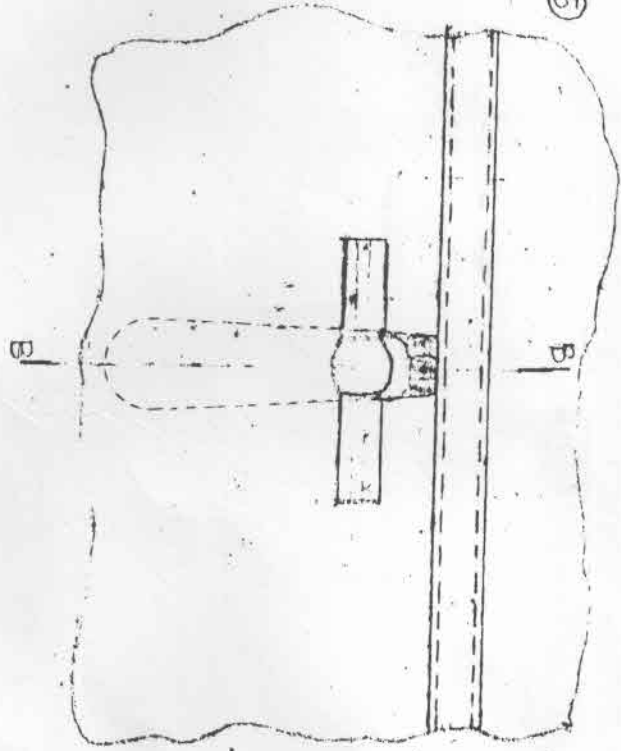
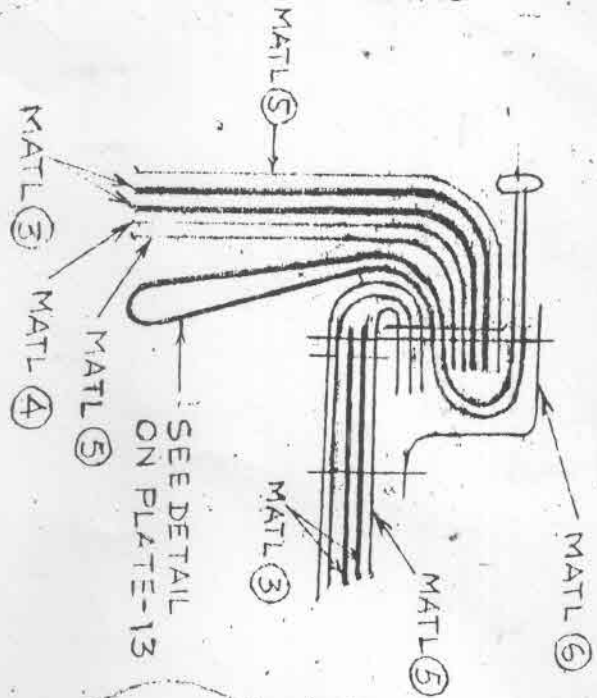
Specimen No. DMSRDELTRGS/93/408(b)

# TENT GLACIER

INNER LINER

SECTION 'BB'

TOGGLE & LOOP FOR ROLLING UP FRONT & BACK CURTAIN



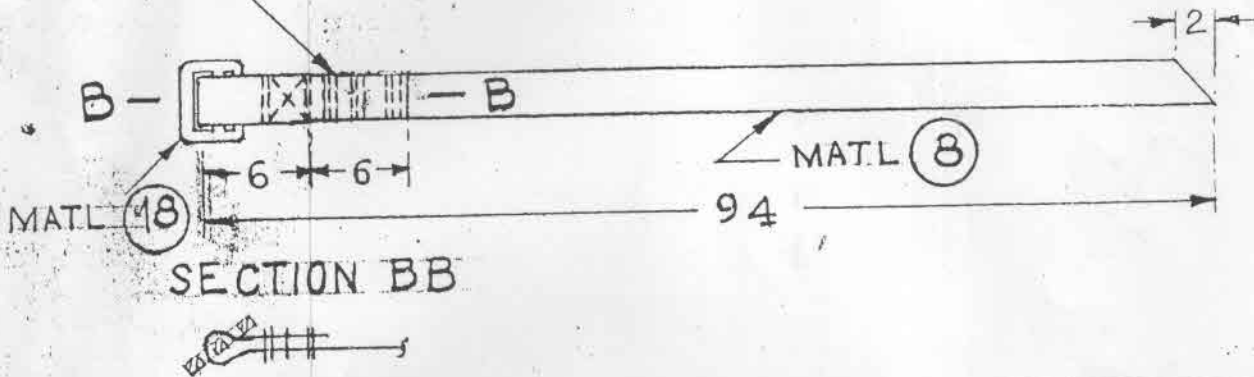
RIGHT ANGLE PROJECTION  
DIMENSIONS IN CENTIMETRES

|                             |                            |                              |                             |
|-----------------------------|----------------------------|------------------------------|-----------------------------|
| DRAWN BY<br><i>B. S. S.</i> | CHECKED BY<br><i>A. S.</i> | PASSED BY<br><i>B. S. S.</i> | APPROVED BY<br><i>A. S.</i> |
|-----------------------------|----------------------------|------------------------------|-----------------------------|

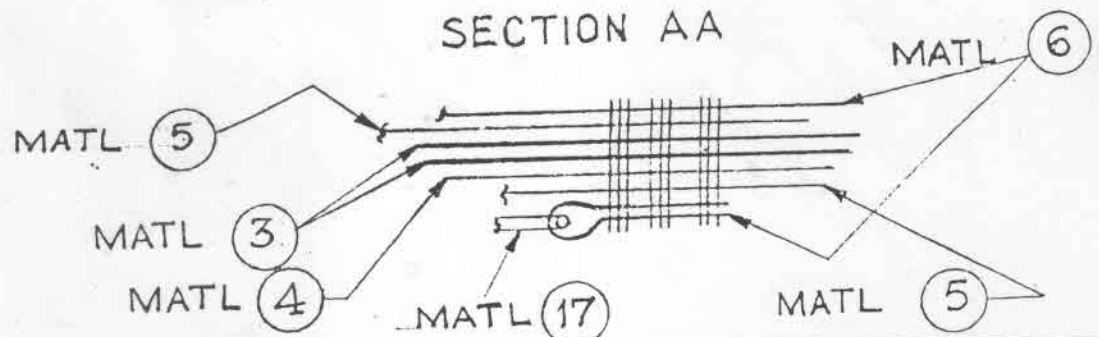
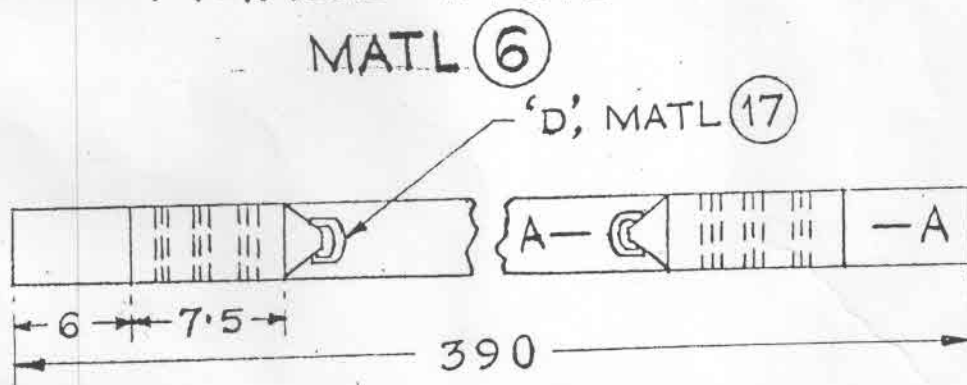
# LENTI GLACIER (INNER LINER)

## TYING BELT WITH BUCKLE. 22 - OFF.

THIS PORTION STITCHED WITH LINER BY 9 ROWS OF STITCHINGS FOR TYING HANGING LINER WITH POLES.



## POSITION OF HANGER AT RIDGE FIXED INSIDE

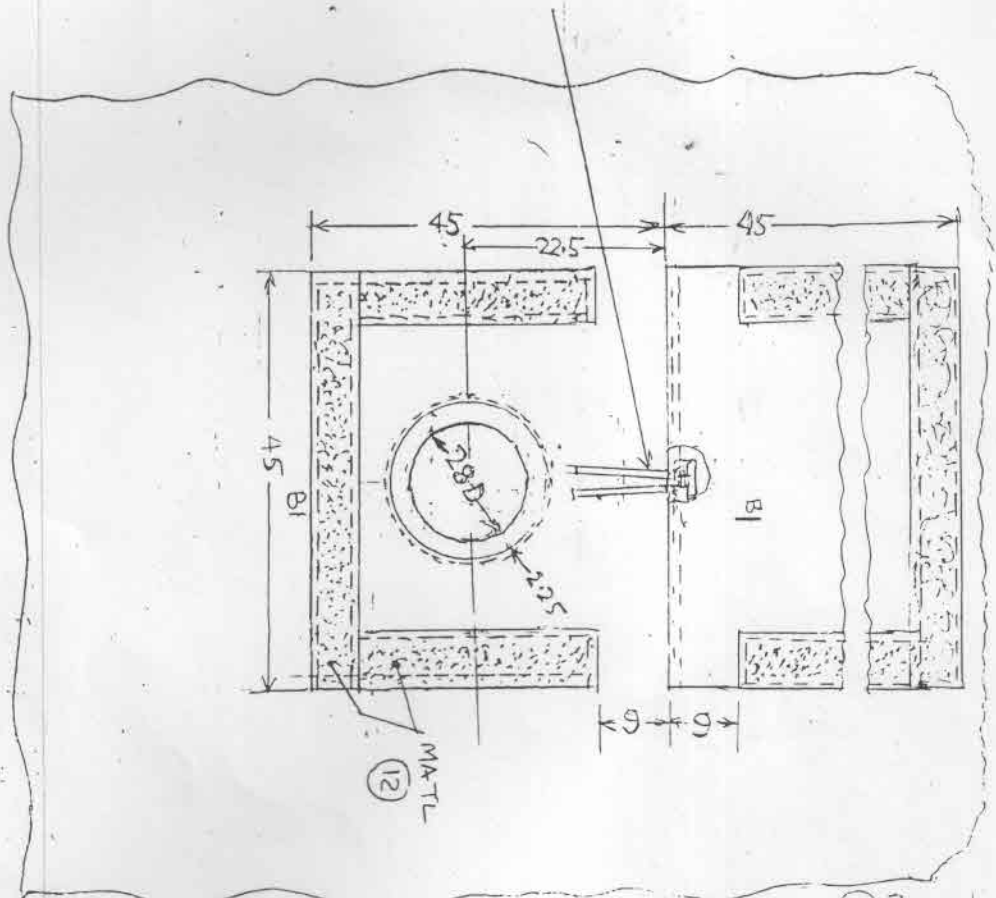


Drawn: Spoor No. DMSRDE/TT & GS/193/1108 (B)

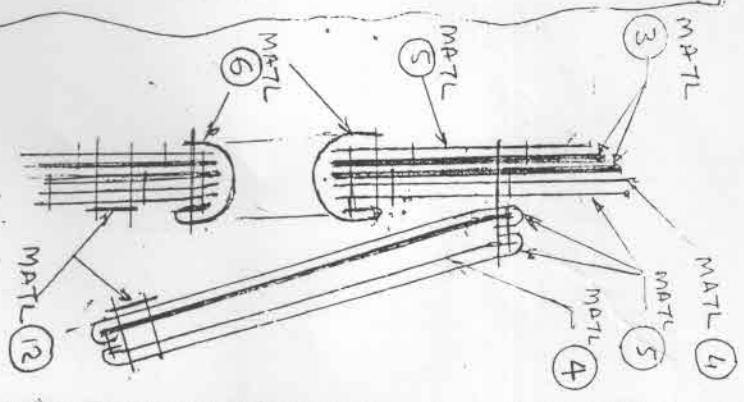
# TENT GLACIER CHIMNEY HOLE (INNER LINER) (INSIDE VIEW)

PLATE-18

SEE DETAIL ON  
PLATE 13



## SECTION B-B

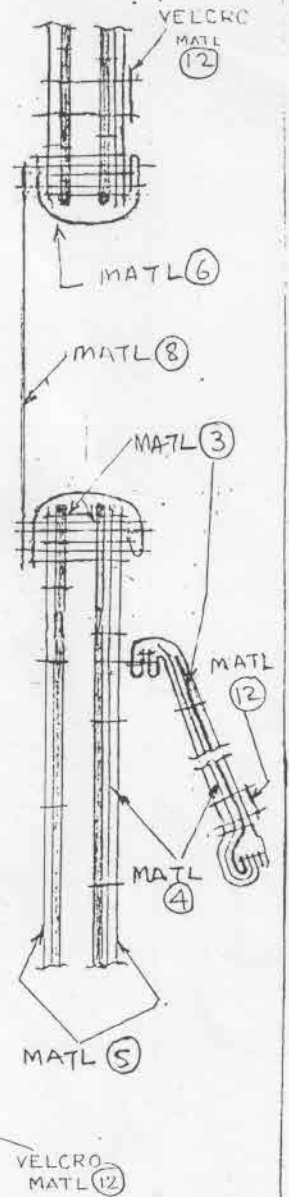
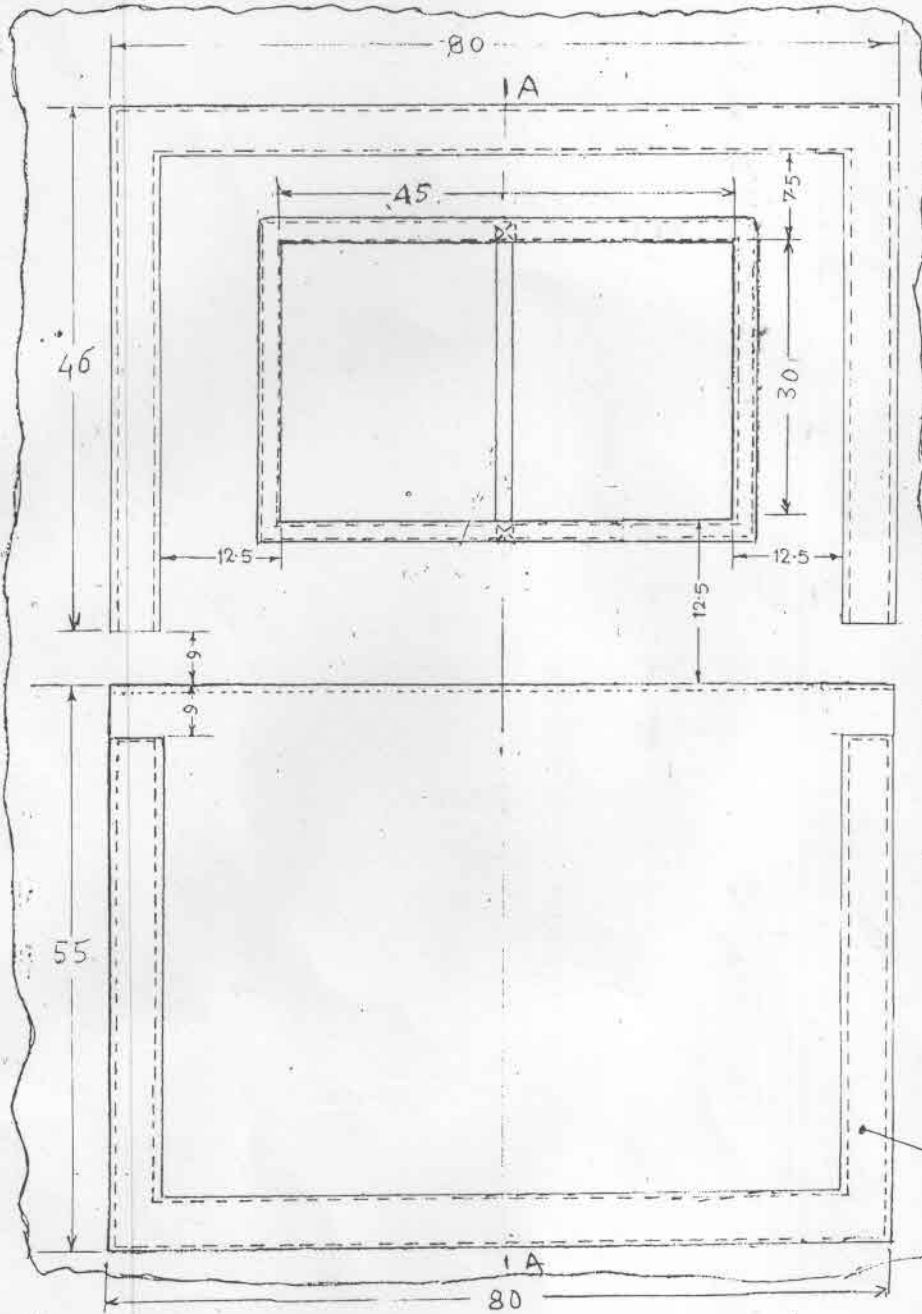


|                                     |                           |                           |                         |
|-------------------------------------|---------------------------|---------------------------|-------------------------|
| DESIGNED BY<br><i>Dr. 2281/2225</i> | CHECKED BY<br><i>Chid</i> | PASSED BY<br><i>Pr...</i> | APPROVED BY<br><i>Q</i> |
| FIRST ANGLE PROJECTION              |                           |                           |                         |

# TENT GLACIER

INNER LINER  
DETAIL OF WINDOW (INSIDE VIEW)

SECTION AA



FIRST ANGLE PROJECTION DIMENSIONS IN cm

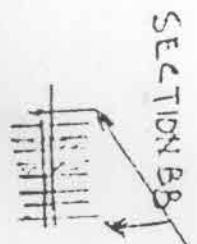
| SCALE | DRAWN BY           | CHECKED BY         | PASSED BY          | APPROVED           |
|-------|--------------------|--------------------|--------------------|--------------------|
| 1     | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |

Drawn Specification No: DMRDE/T&GS/93/408(B)

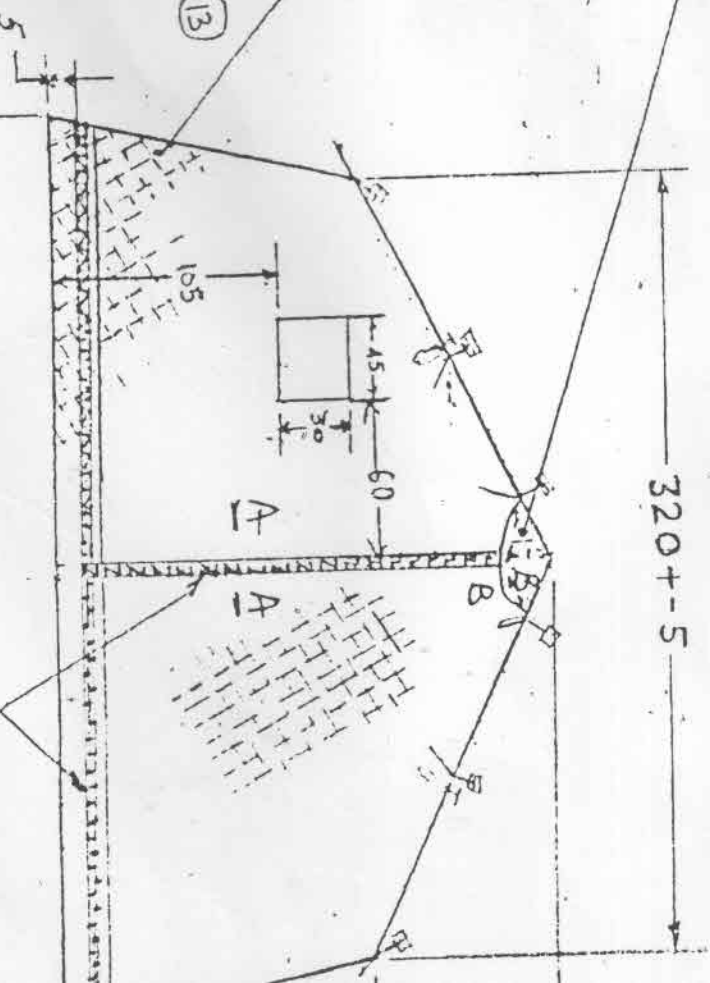
# TENT GLACIER

FRONT/ END VIEW  
INNER LINER

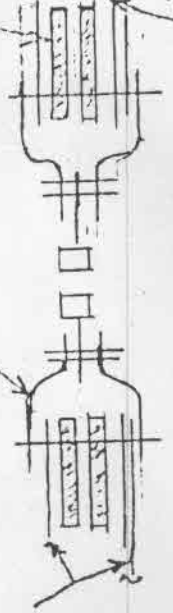
STRENGTHENING PIECE  
MATL ①



MACHINE GUILTING  
22 SWISS.  
WITH MATL ⑬



SECTION-AA



MATL ③

MATL ⑥

MATL ⑤

MATL ④

SLIDE FASTENER  
MATL ⑮

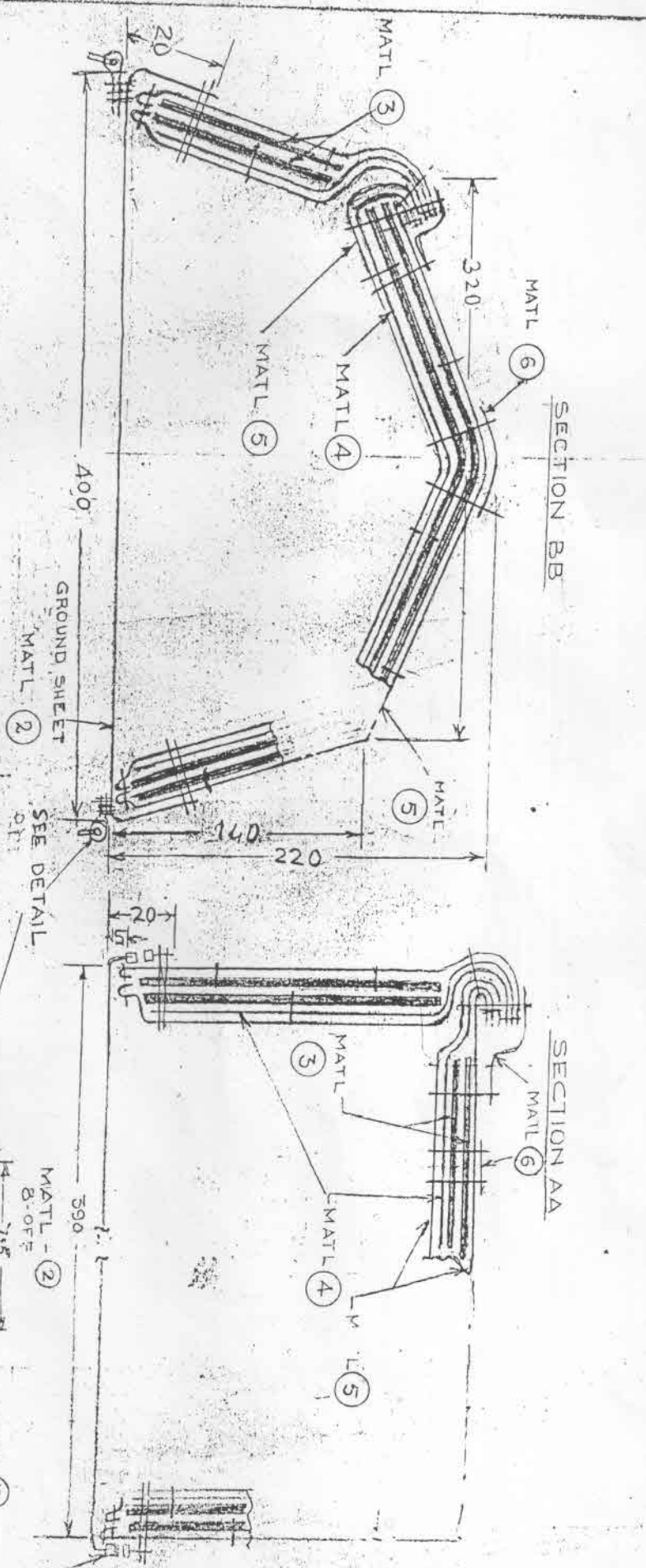
FIRST ANGLE PROJECTION.  
DIMENSIONS IN CENTIMETRES.

DRAWN BY CHECKED BY PASSED BY APPROVED BY

Rev. Span. no. DMSRDE/TT 2.6/193/408 (b)

# TENT GLACIER INNER LINER (POLES NOT SHOWN)

30-PLATES  
PLATES-19



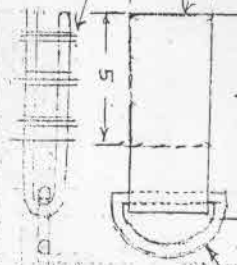
FIRST ANGLE PROJECTION  
DIMENSIONS IN CENTIMETRES

DRAWN BY  
*S. S. S. S. S.*

CHECKED BY  
*Shind*

APPROVED BY  
*B. S. S.*

STITCHING SHOWN WITH GROUND SHEET 9 ROWS

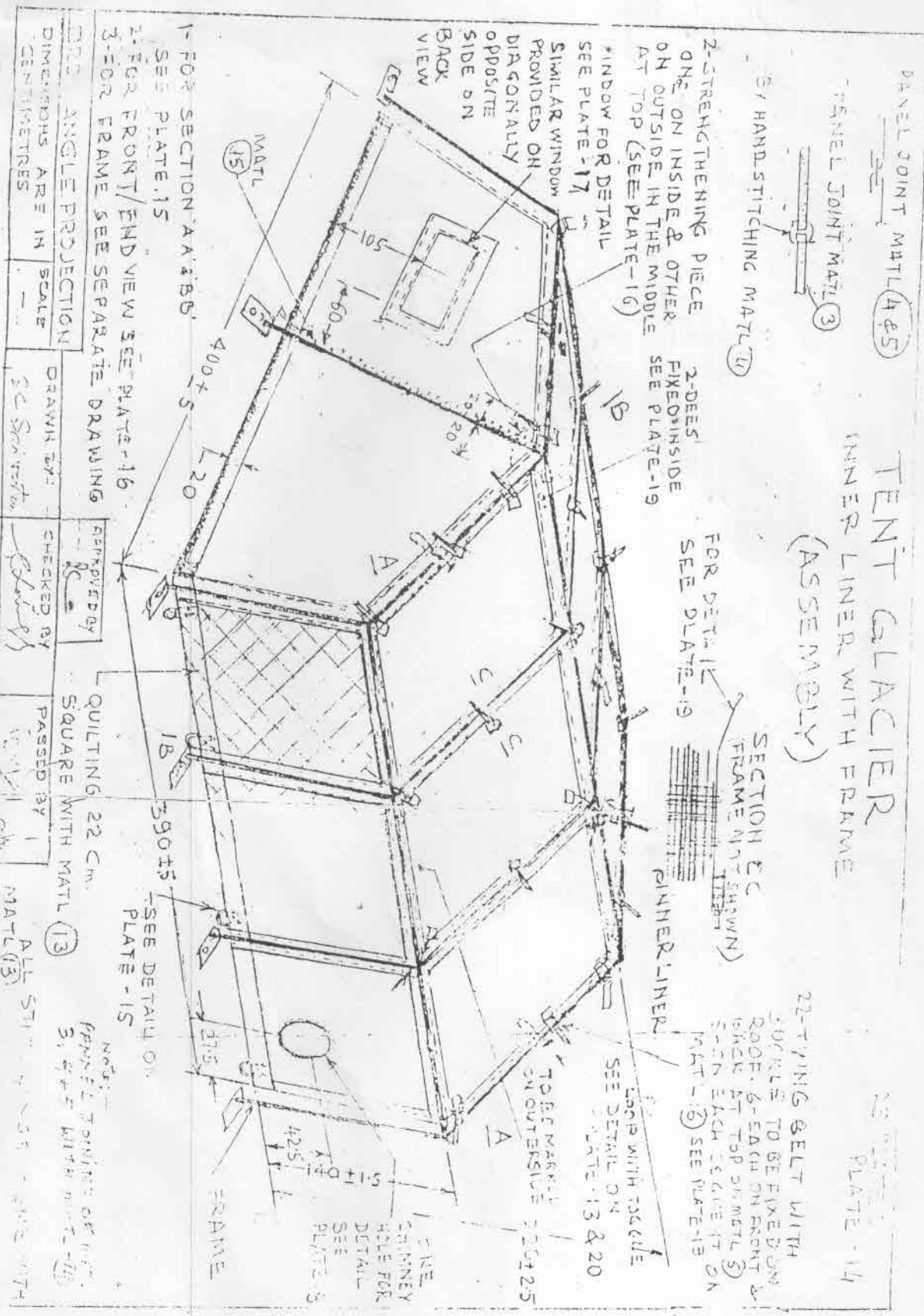


NOTE: ALL STITCHINGS DONE WITH MATT 17



Specification for the construction of a **TENT**

### TENT GLACIER INNER LINER WITH FRAME (ASSEMBLY)



- 1- FOR SECTION A-A & B-B  
SEE PLATE-15
- 2- FOR FRONT/END VIEW SEE PLATE-16
- 3- FOR FRAME SEE SEPARATE DRAWING

|                                 |                  |                           |                             |                              |                    |                     |                |
|---------------------------------|------------------|---------------------------|-----------------------------|------------------------------|--------------------|---------------------|----------------|
| 3-DIMENSIONS ARE IN CENTIMETRES | ANGLE PROJECTION | DRAWN BY<br>SEE SIGNATURE | CHECKED BY<br>SEE SIGNATURE | APPROVED BY<br>SEE SIGNATURE | QUILTING<br>22 CM. | SQUARE WITH MATL 13 | ALL ST... WITH |
|---------------------------------|------------------|---------------------------|-----------------------------|------------------------------|--------------------|---------------------|----------------|

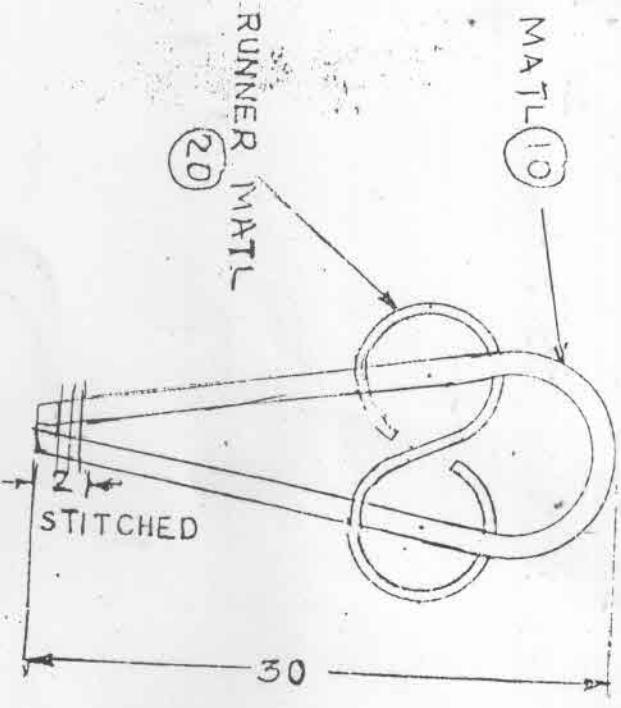
Notes:  
FRAMES TO BE FIXED ON ROOF - 6" EACH ON FRONT & BACK AT TOP OR METL 3) - 6" EACH SEE DETAIL ON MATL-18 SEE PLATE-18

Prov. Specn. No. DMSRDE/T 265/93/408(b)

# TENT GLACIER FLY OUTER/INNER LINER

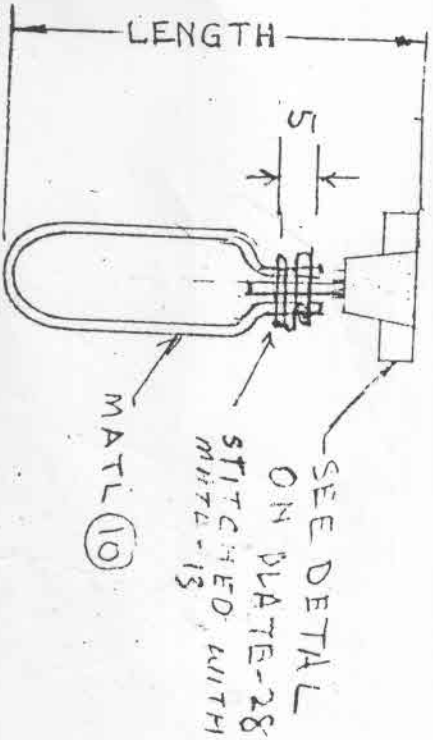
30-PLATES  
PLATE-13

NYLON CORD WITH RUNNER  
10- OFF.



STITCHED INSIDE AT BOTTOM WALL OF  
FLY OUTER FOR TYING WITH PINS.

LOOP WITH TOGGLE  
FOR ROLLING CURTAIN



| NO. OFF. | LENGTH |                             |
|----------|--------|-----------------------------|
| 4        | 45 cm. | FOR END CURTAIN FLY OUTER   |
| 4        | 25 cm. | FOR WINDOWS                 |
| 4        | 90 cm. | FOR END CURTAIN INNER LINER |
| 1        | 25 cm. | FOR CHIMNEY HOLE LINER      |

DIMENSIONS IN CENTIMETRE

DRAWN BY

*[Signature]*

CHECKED BY

*[Signature]*

PASSED BY

*[Signature]*

APPROVED BY

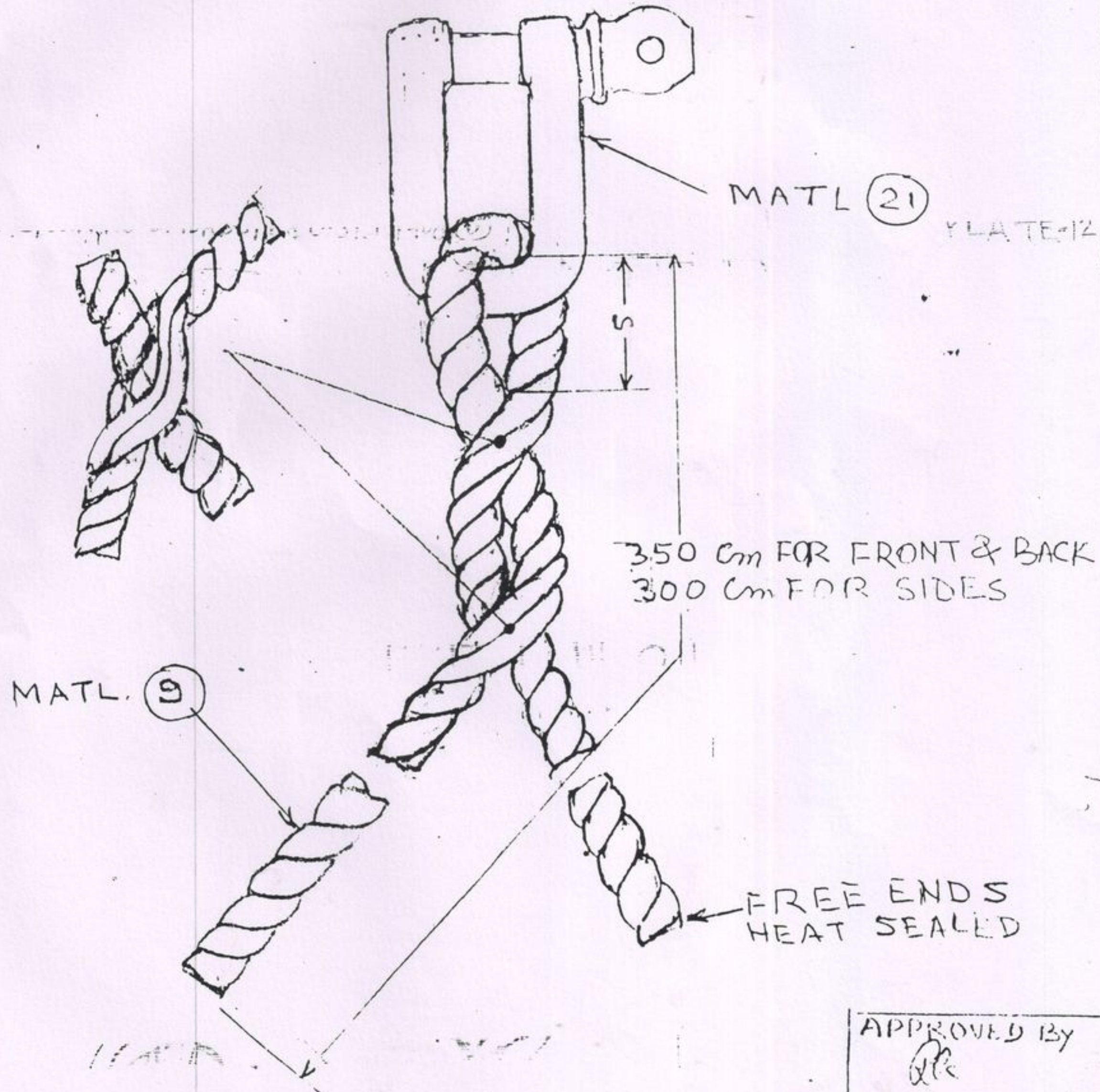
*[Signature]*

# TENT GLACIER GUY ROPES

10-OFF

2 NOS. ONE FOR FRONT & OTHER FOR BACK  
CUT LENGTH 700 CM

8 NOS. FOUR FOR EACH SIDE CUT LENGTH 600 CM.



DIMENSIONS IN CM

DRAWN BY

CHECKED BY

PASSED BY

*[Signature]*

*[Signature]*

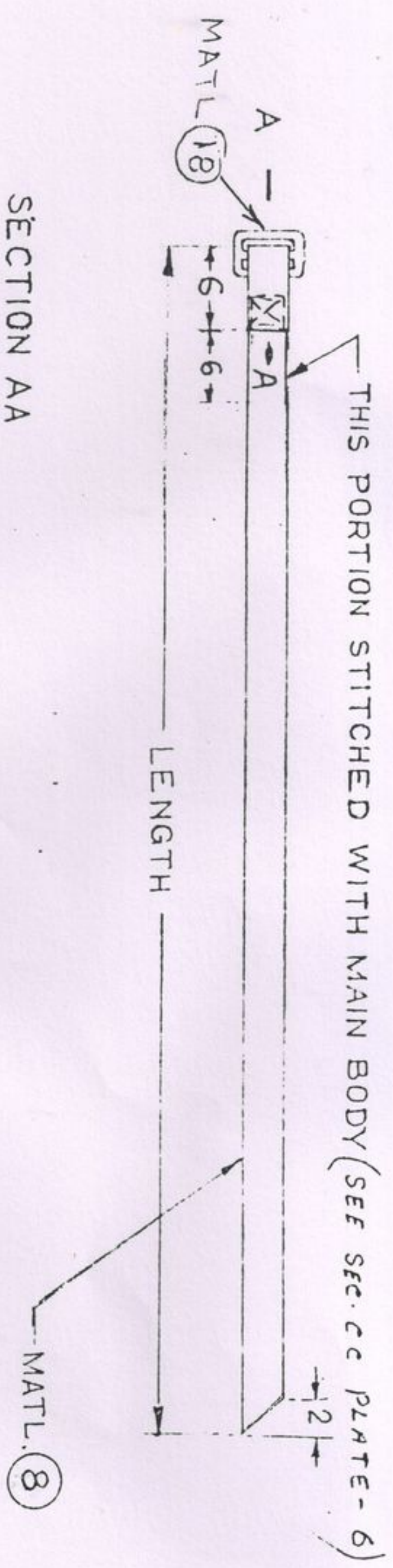
*[Signature]*

Prov. Specn. No. DMSRDE/T2 GS/93/408(b)

30-PLATES  
PLATE-11

# TENT GLACIER (FLY OUTER) TYING BELT WITH BUCKLE

- 1-OFF. 100 cm. LONG FOR SPOUT
- 10-OFF. 70 cm LONG FOR WALLS, FRONT & BACK



FIRST ANGLE PROJECTION

DIMENSIONS IN CENTIMETRE

|                         |                            |                                 |                                   |
|-------------------------|----------------------------|---------------------------------|-----------------------------------|
| DRAWN BY<br><i>Sohn</i> | CHECKED BY<br><i>Edwin</i> | PASSED BY<br><i>F. D. Singh</i> | APPROVED BY<br><i>[Signature]</i> |
|-------------------------|----------------------------|---------------------------------|-----------------------------------|

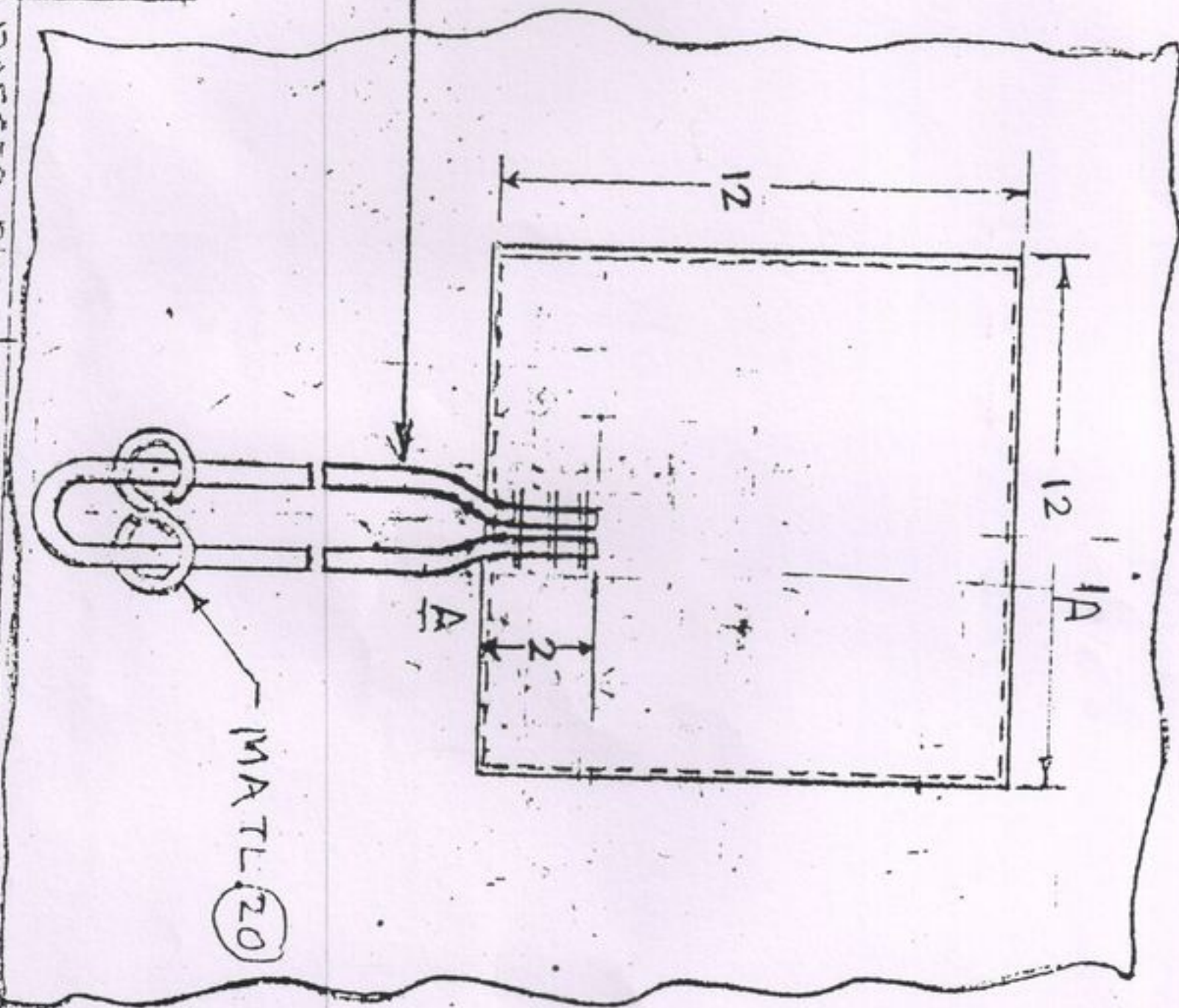
Proj. Spec. No. DMSRDE/T2 GS/93/408 (b)

# TENT GLACIER

30-PLATES  
PLATE-10

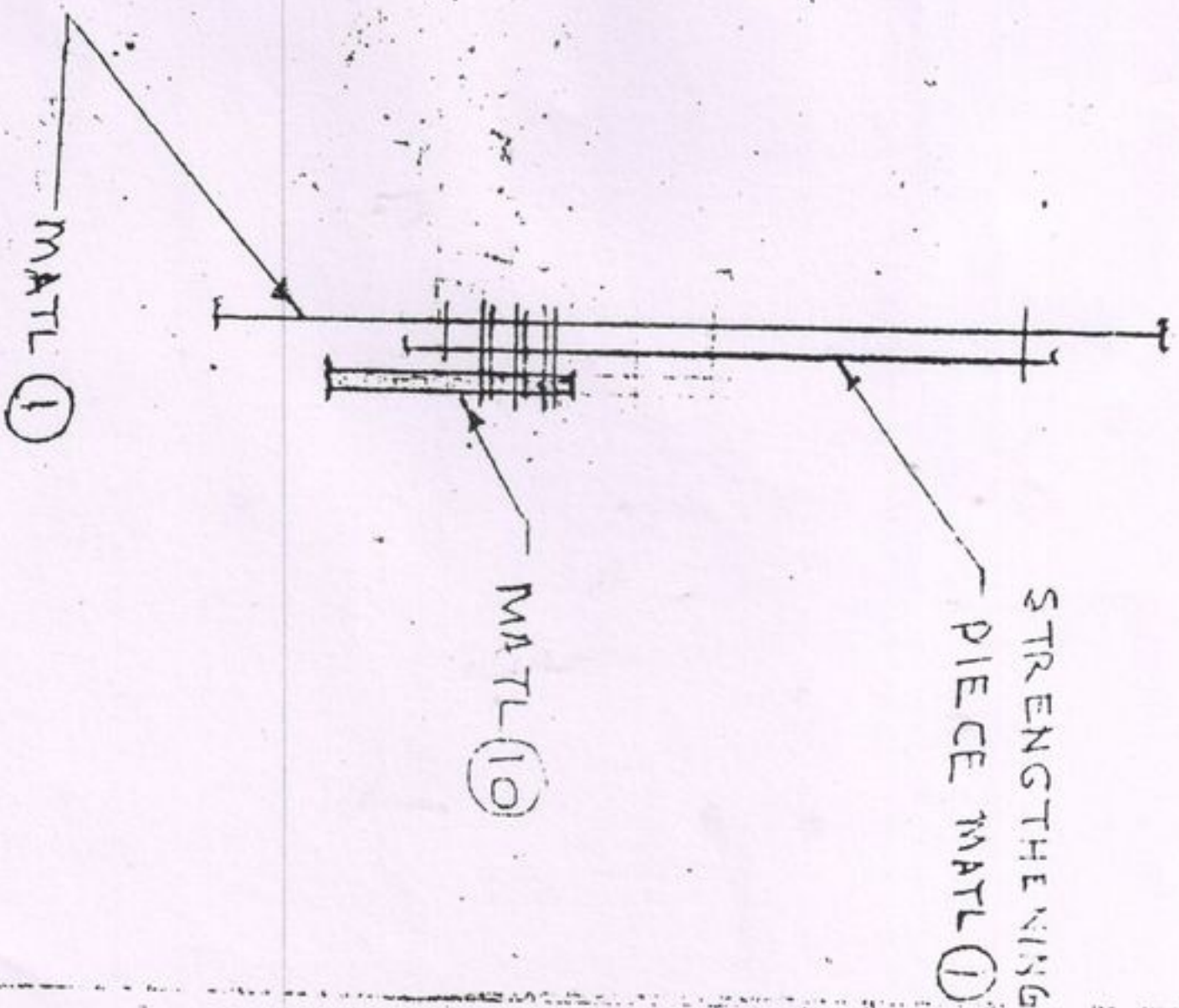
OUTER FLY

DETAIL OF LOOP WITH RUBBER (INSIDE VIEW)  
(3 EACH ON BOTH SIDES, 2 EACH ON FRONT & BACK)  
10-OFF



SEE DETAIL  
ON PLATE-13

SECTION A-A



FIRST ANGLE PROJECTION  
DIMENSIONS IN CENTIMETRES

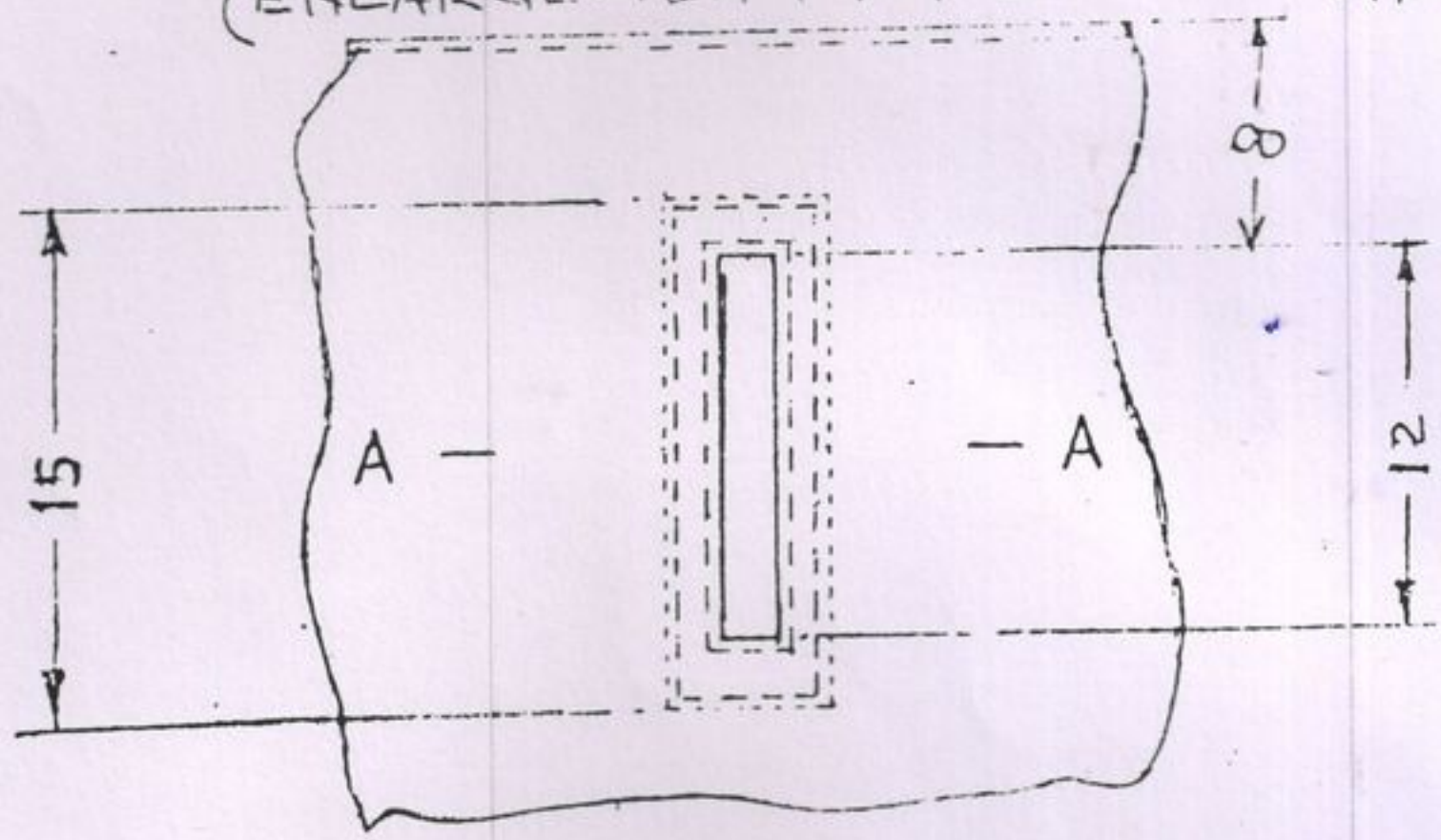
|              |                         |                           |                          |                            |
|--------------|-------------------------|---------------------------|--------------------------|----------------------------|
| SCALE<br>MTS | DRAWN BY<br>S. S. SETHI | CHECKED BY<br>S. S. SETHI | PASSED BY<br>B. S. SETHI | APPROVED BY<br>B. S. SETHI |
|--------------|-------------------------|---------------------------|--------------------------|----------------------------|

Prov. Spec. No. DMSRDEI  
T&GS193/408(b)

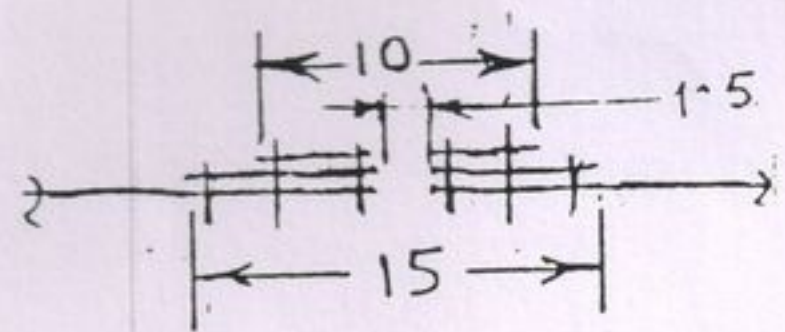
# TENT GLACIER (FLY OUTER)

30-PLATES  
PLATE-9

## CUT MARK FOR POLE WITHOUT COVER (ENLARGEMENT AT Z)

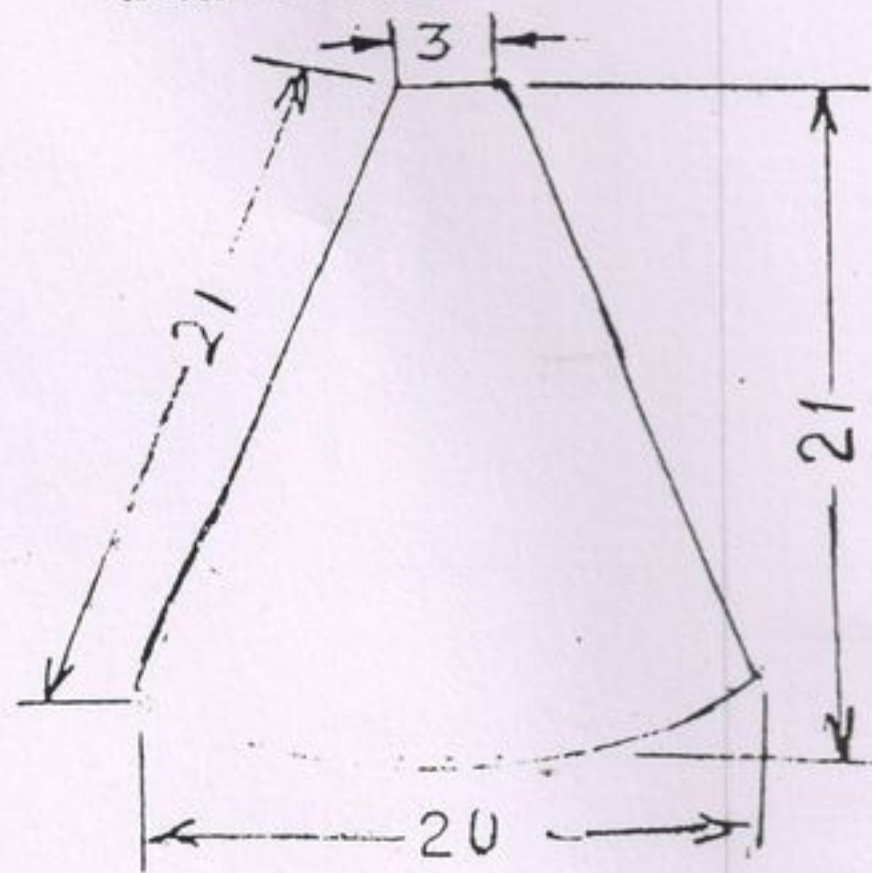


SECTION A A

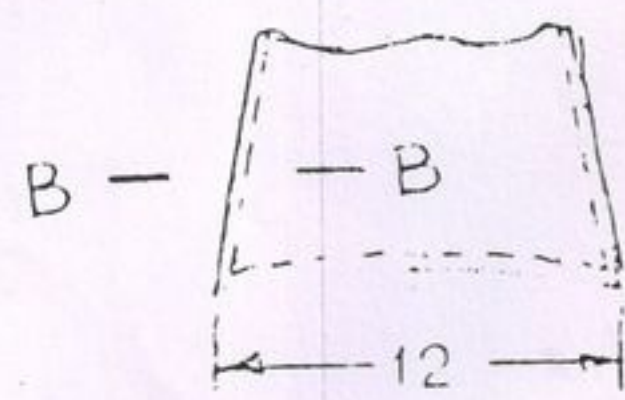


## COVER OF CUT MARK MATL ①

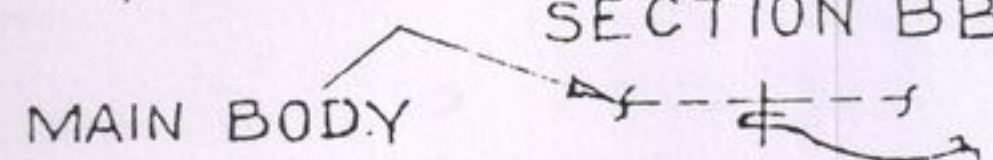
DEVELOPMENT



LOWER SHAPE  
WHEN STITCHED WITH FLY



SECTION B B



MAIN BODY

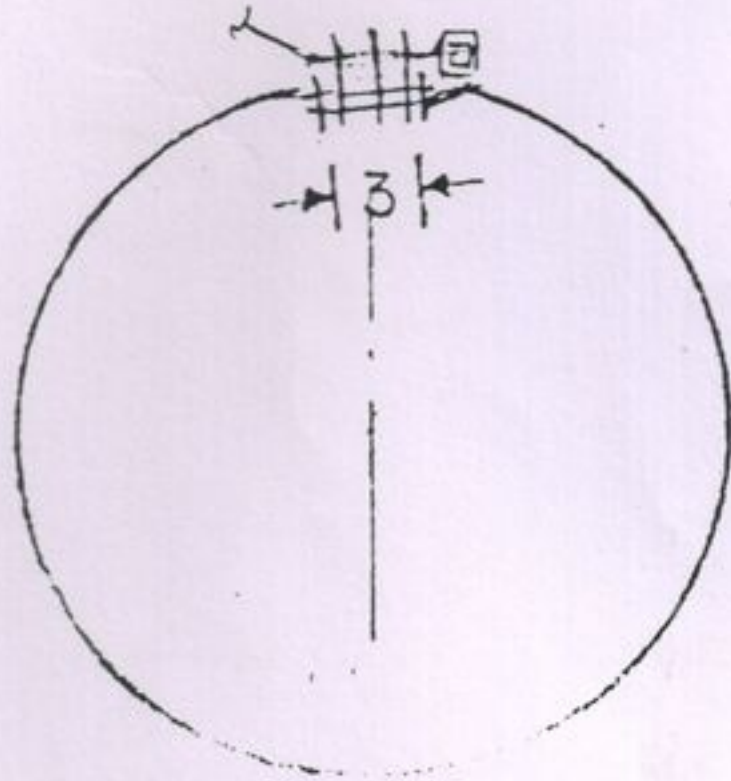
|                          |                               |                                |                                 |                                   |
|--------------------------|-------------------------------|--------------------------------|---------------------------------|-----------------------------------|
| FIRST ANGLE PROJECTION   | DRN. BY<br><i>[Signature]</i> | CHKD. BY<br><i>[Signature]</i> | PASSED BY<br><i>[Signature]</i> | APPROVED BY<br><i>[Signature]</i> |
| DIMENSIONS IN CENTIMETRE |                               |                                |                                 |                                   |

# TENT GLACIER

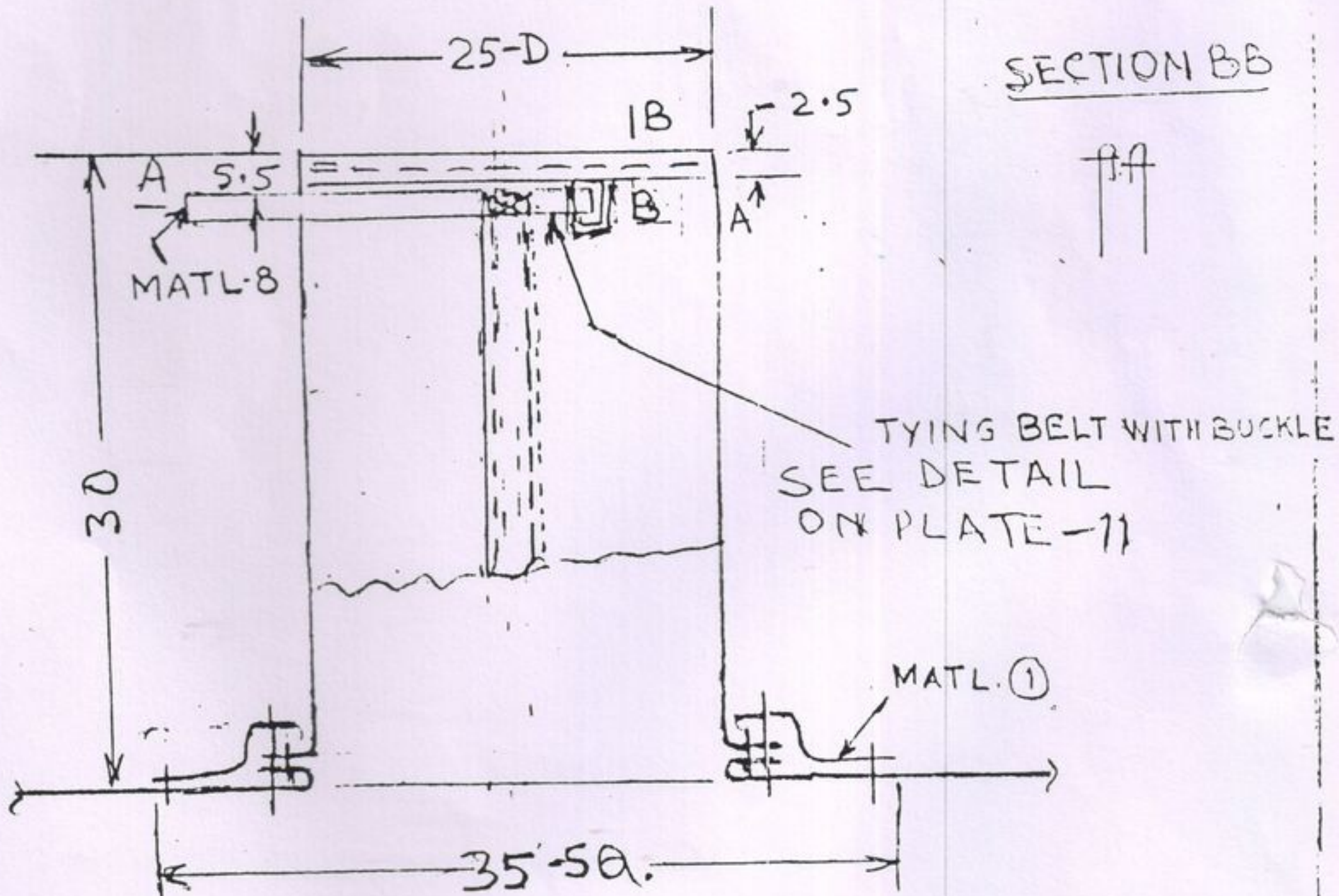
## SPOUT (FLY OUTER).

MATL ①

SECTION AA



SECTION BB



FIRST ANGLE PROJECTION

APPROVED BY

DIMENSIONS IN CM

DRAWN BY

CHECKED BY

PIECED BY

*P. K. Singh*

*P. K. Singh*

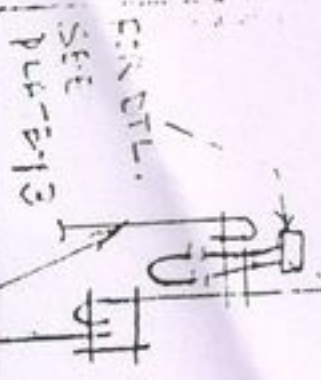
*P. K. Singh*

# TENT GLACIER FLY OUTER

REGARD LOOP FOR ROLLING OF WINDOW CURTAINS SHOWN.  
 Draw. Spec. No. DMSRDE/T2/GS/93/48(b)

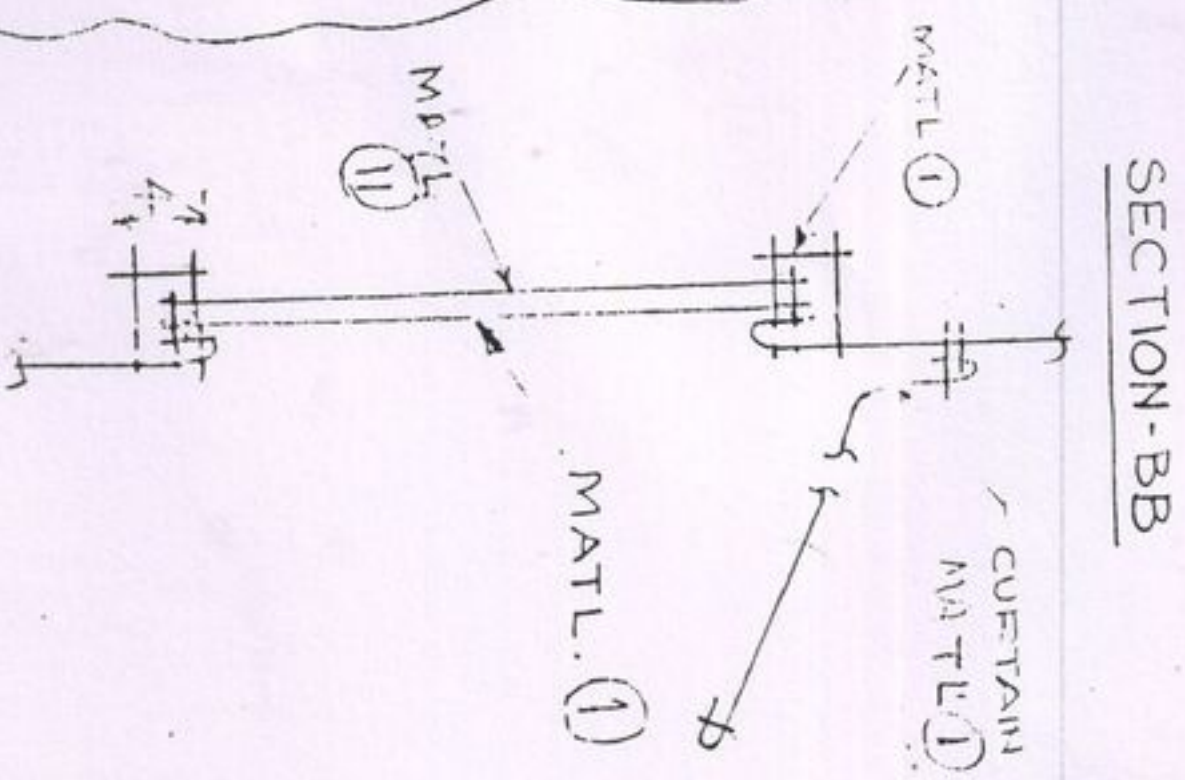
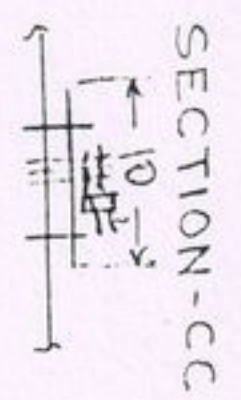
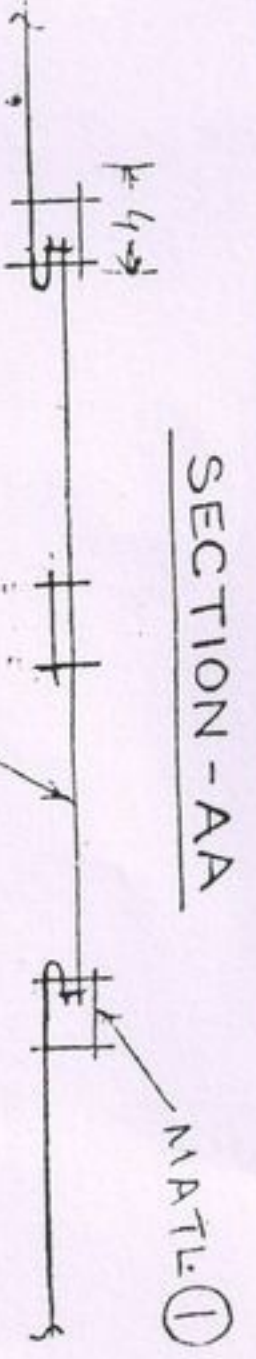
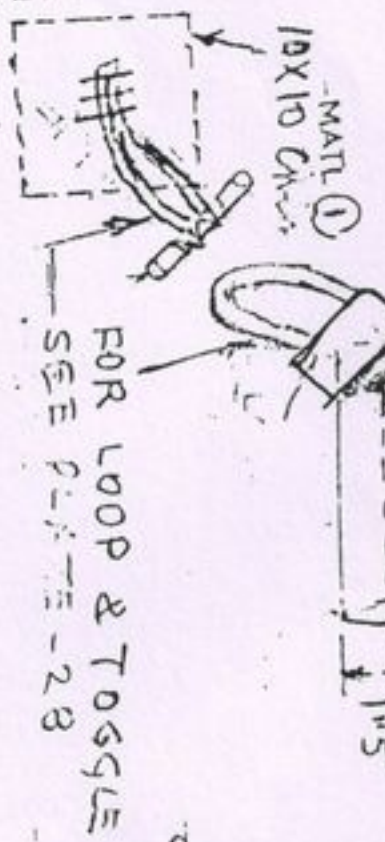
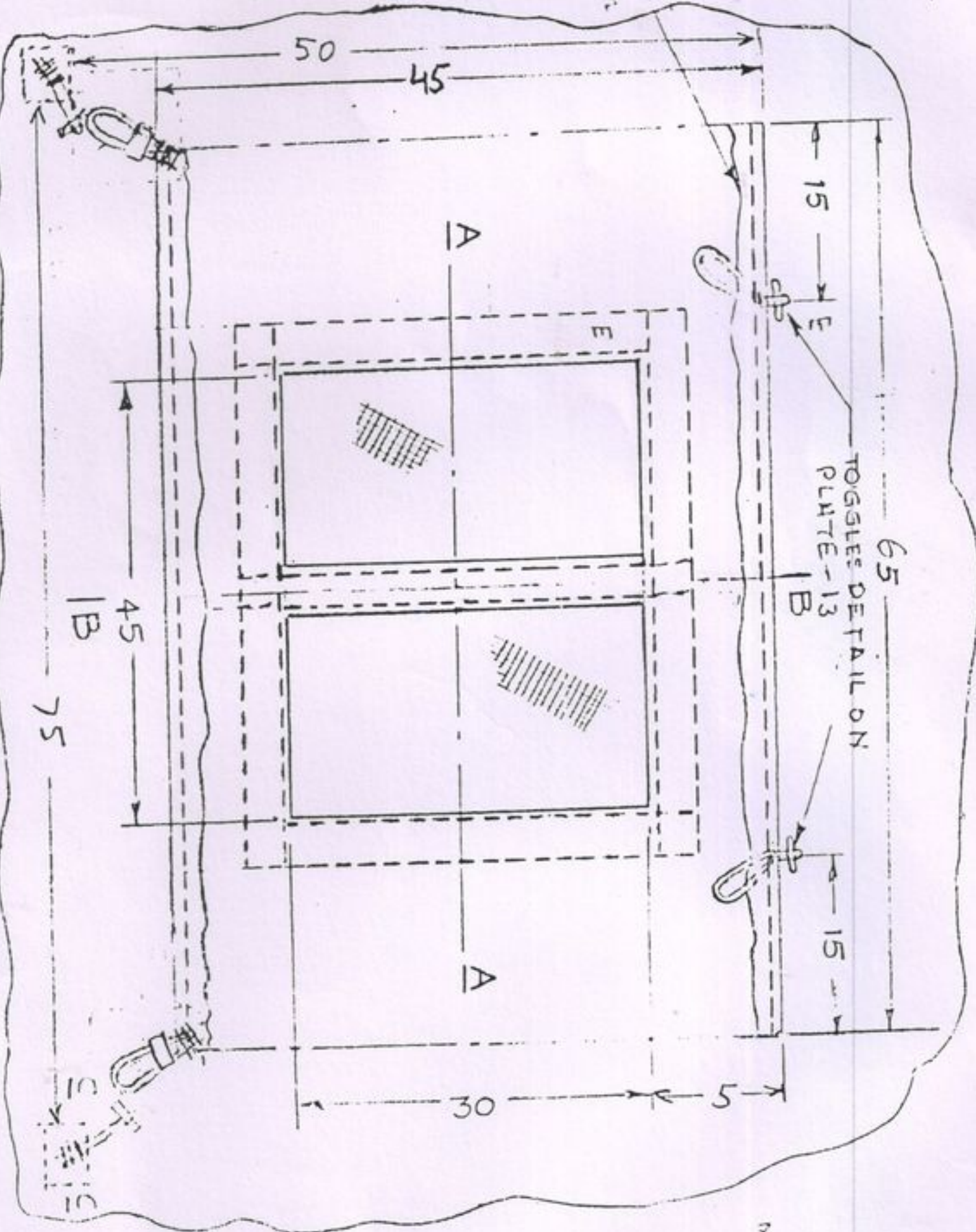
## WINDOW

30 PAGES  
 PLATE → 7



CURTAIN 65 x 45 cm

ENLARGEMENT OF  
 TOGGLES & LOOP  
 FITTING SHOWN AT  
 WINDOW CURTAIN  
 AND MAIN  
 BODY



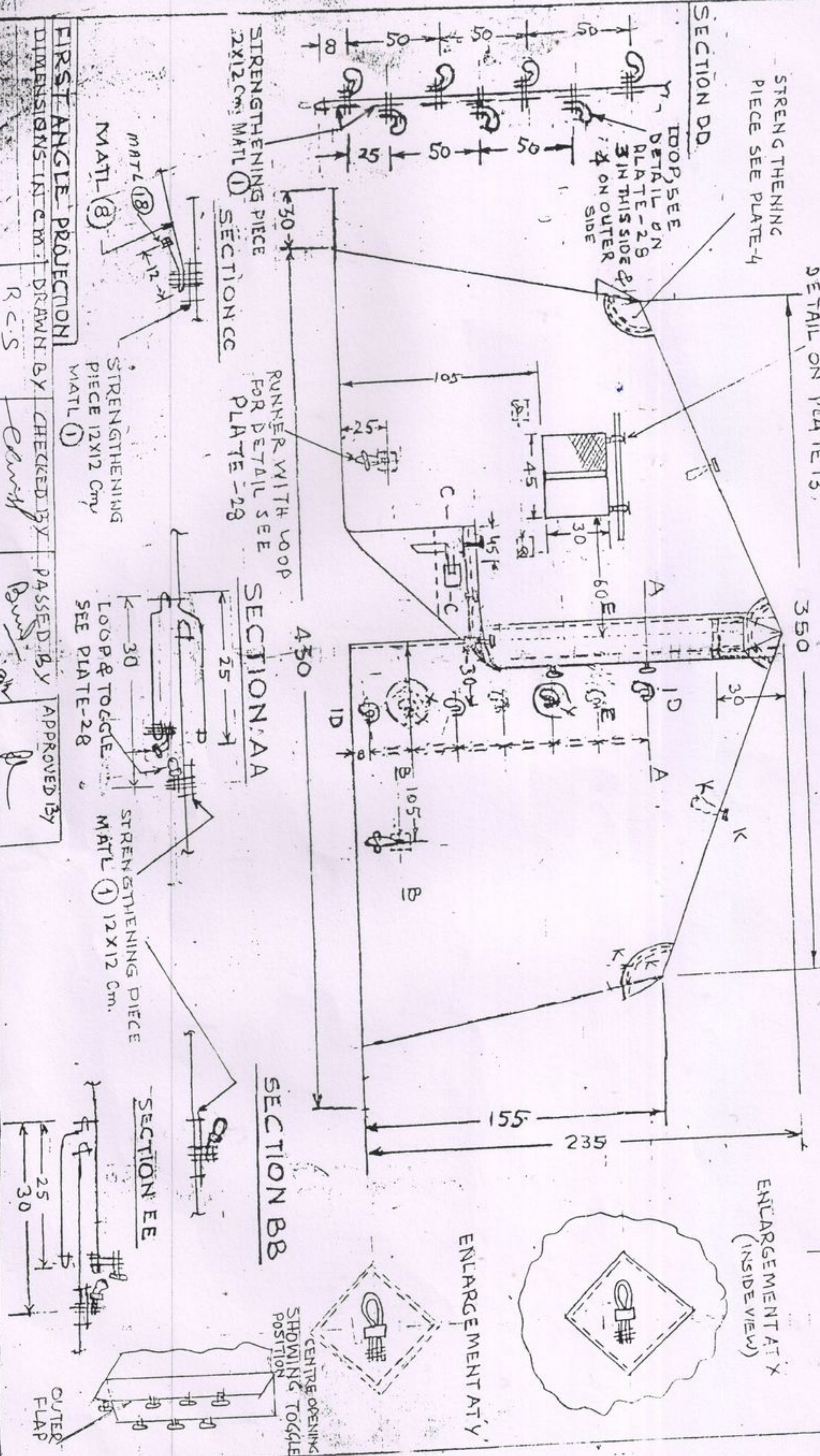
FIRST - ANGLE PROJECTION  
 DRAWN BY  
 CHECKED BY  
 PASSED BY  
 APPROVED BY



Rev. Spec. No. DMSRDE/T&GS/193/1408 (b)

# TENT GLACIER E.V. OUTER FRONT/BACK VIEW

30-PLATES  
PLATE-6



**FIRST ANGLE PROJECTION**  
DIMENSIONS IN C.M. DRAWN BY *R.C.S.* CHECKED BY *Chand* PASSED BY *Ravi* APPROVED BY *B*

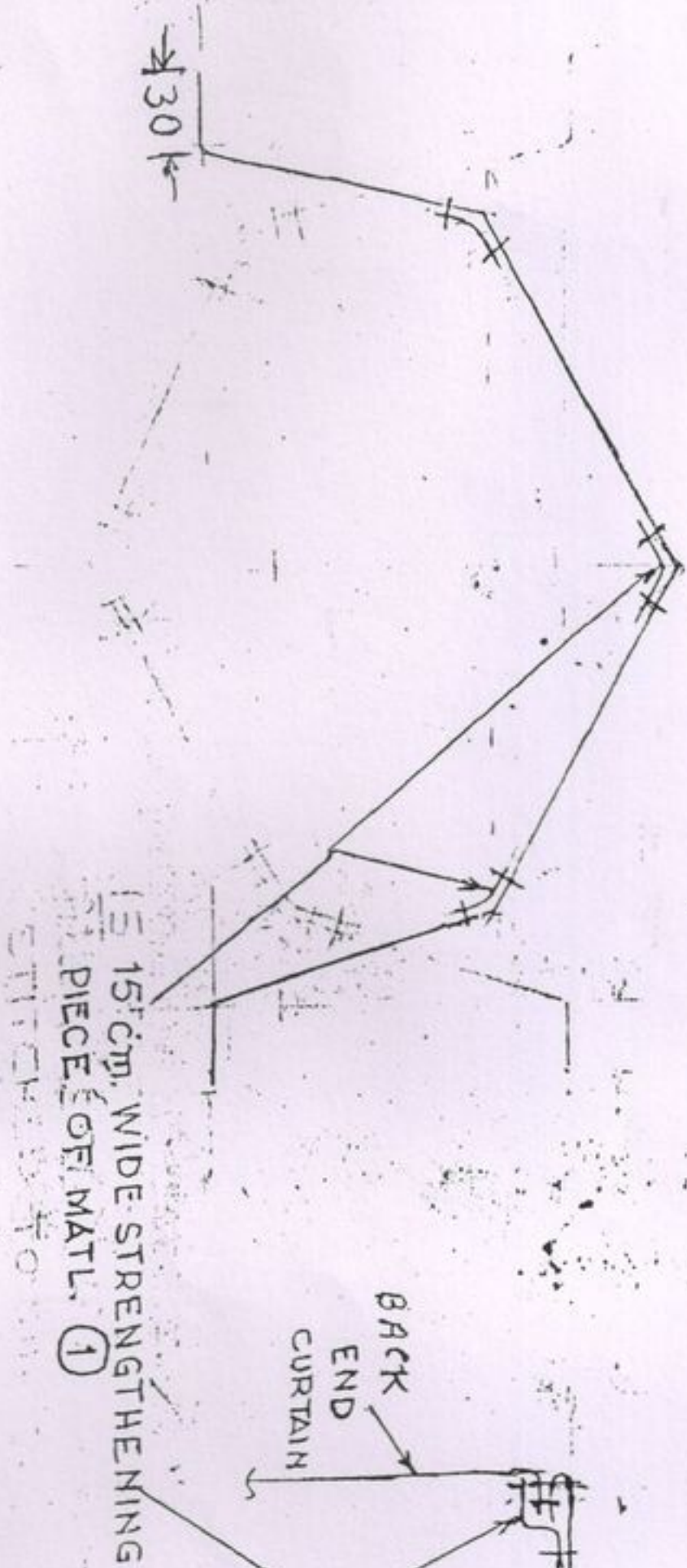
# TENT GLACIER

FLY OUTER.

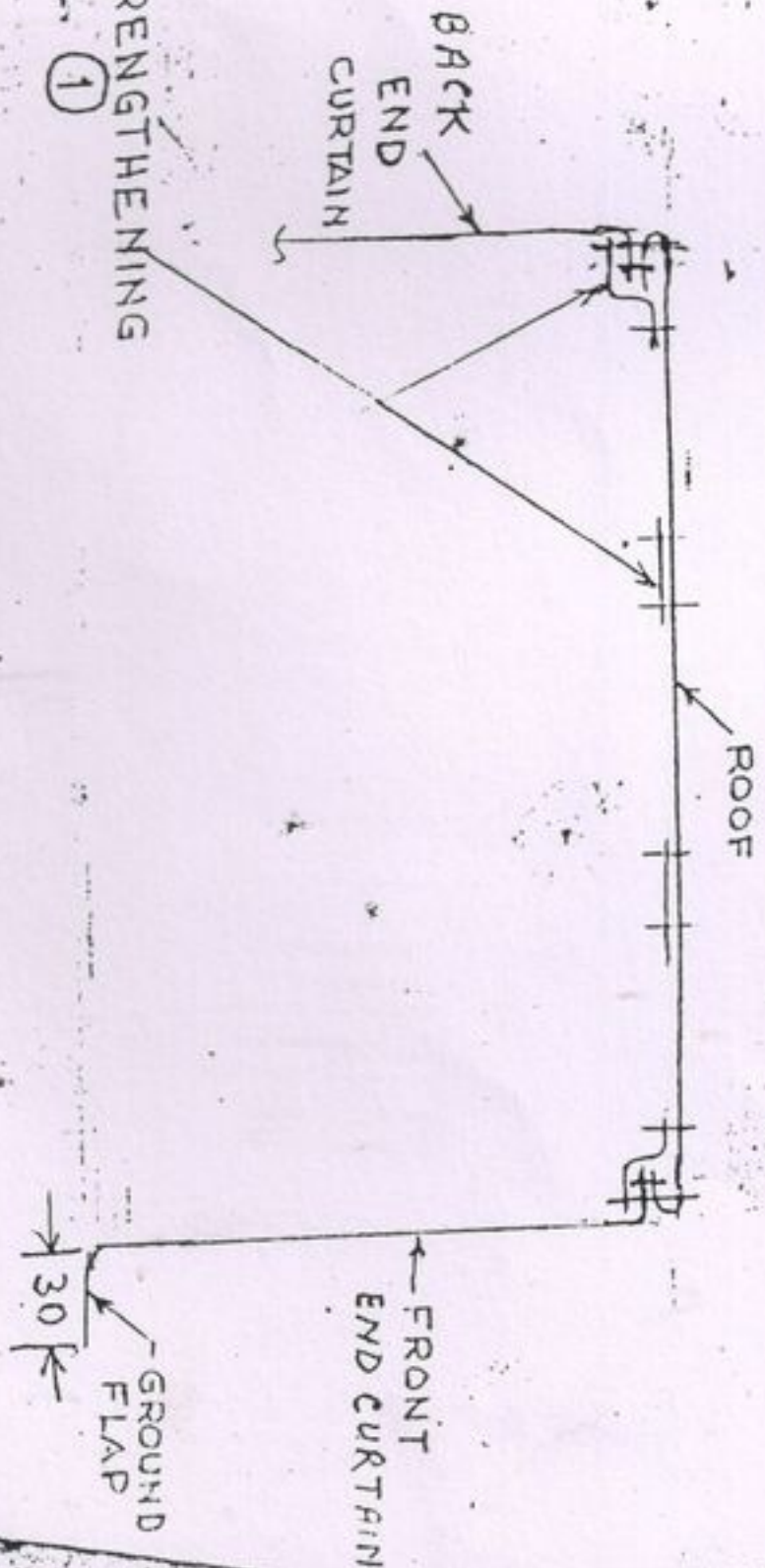
(POLES NOT SHOWN)

MATL ①

## SECTION AA



## SECTION BB



FIRST ANGLE PROJECTION

DIMENSIONS ARE IN

CM

DESIGNED BY

APPROVED BY

DATE

*[Signature]*

*[Signature]*

*[Signature]*

# TENT GLACIER

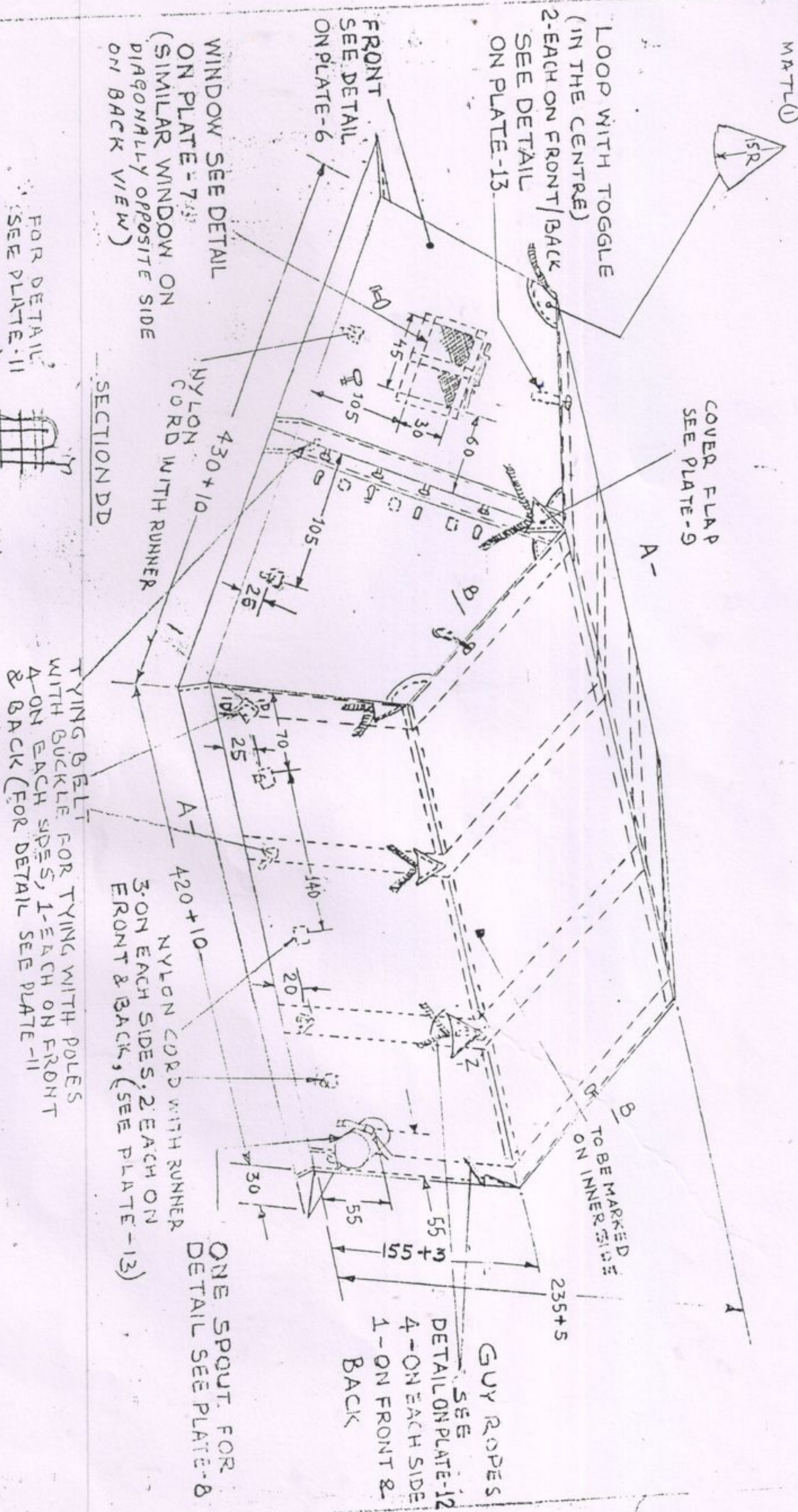
## FLY OUTER (ASSEMBLY)

Prov. Spain No. DMSRDE/T & GS/93/408 (b)

PANEL JOINT

STRENGTHENING PIECE  
MATL ①

PLATE - 4



DIMENSIONS IN CM.

DRAWN BY *[Signature]*

CHECKED BY *[Signature]*

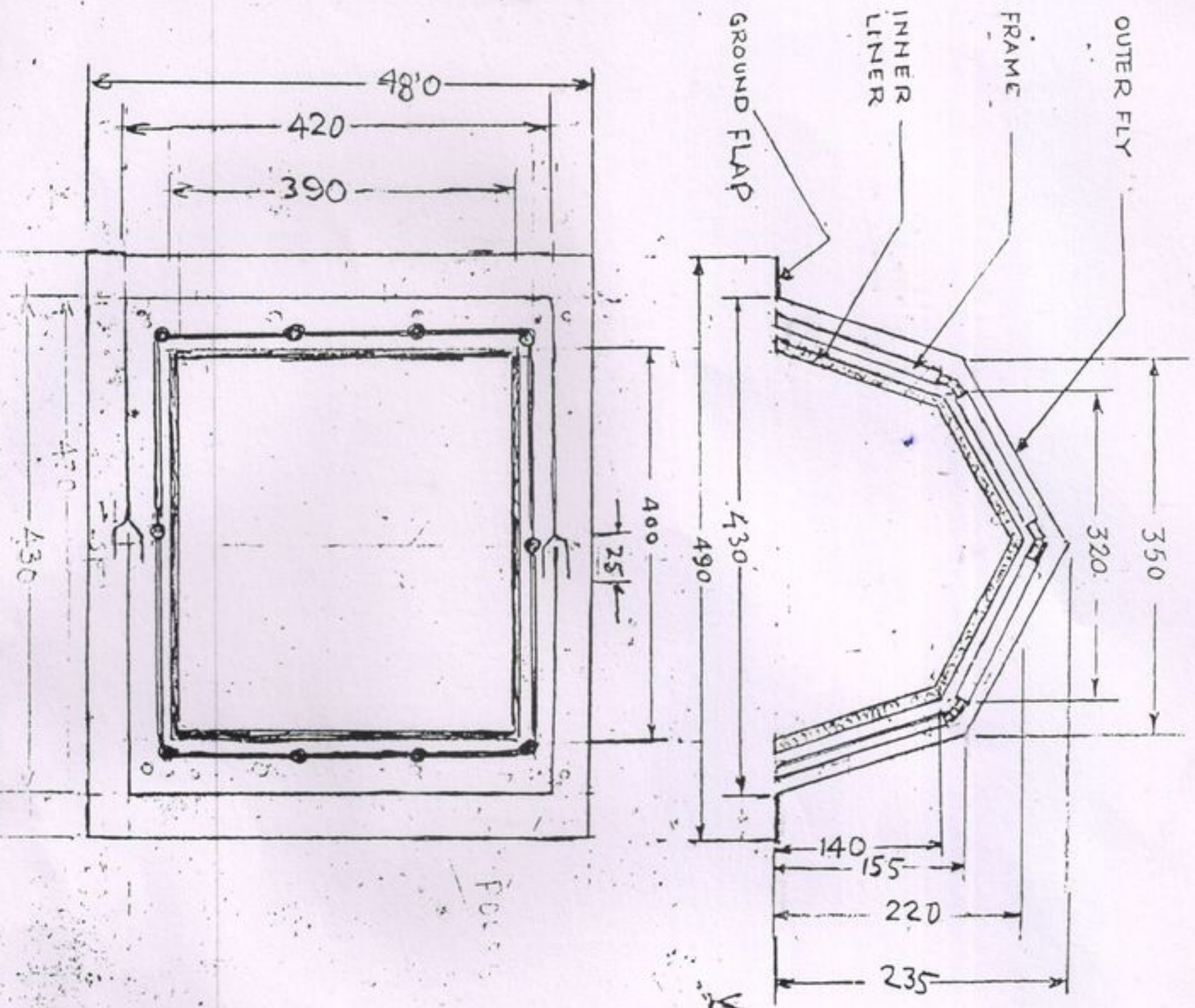
PASSED BY *[Signature]*

APPROVED *[Signature]*

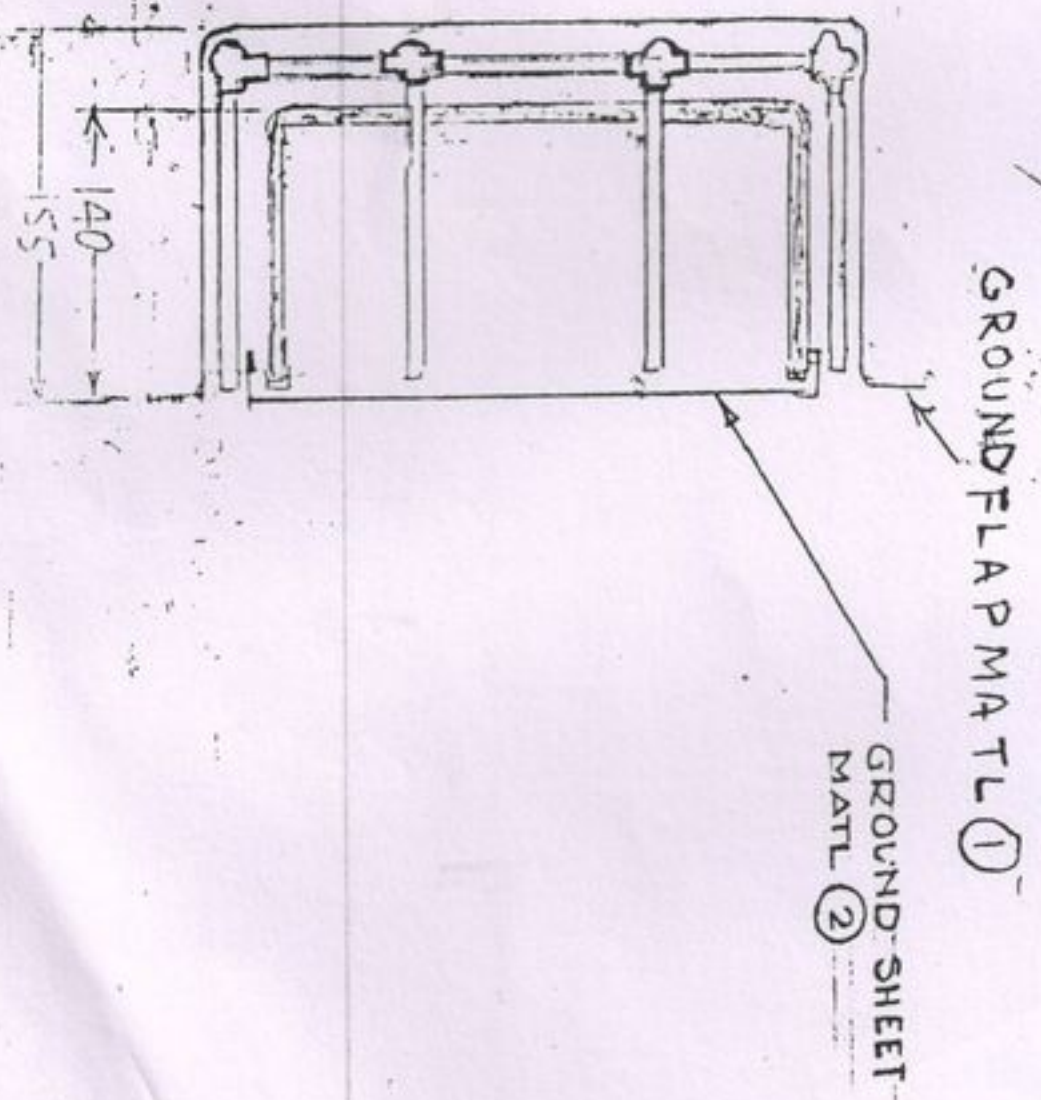
- NOTES:
- 1- FOR ENLARGEMENT 'Z' SEE PLATE-9
  - 2- ALL STITCHINGS DONE WITH MATL ①
  - 3- SECTION 'AA', 'BB' SEE PLATE-5

# TENT GLACIER

## GENERAL ASSEMBLY (LINE PLAN)



VIEW AT SIDE WALL



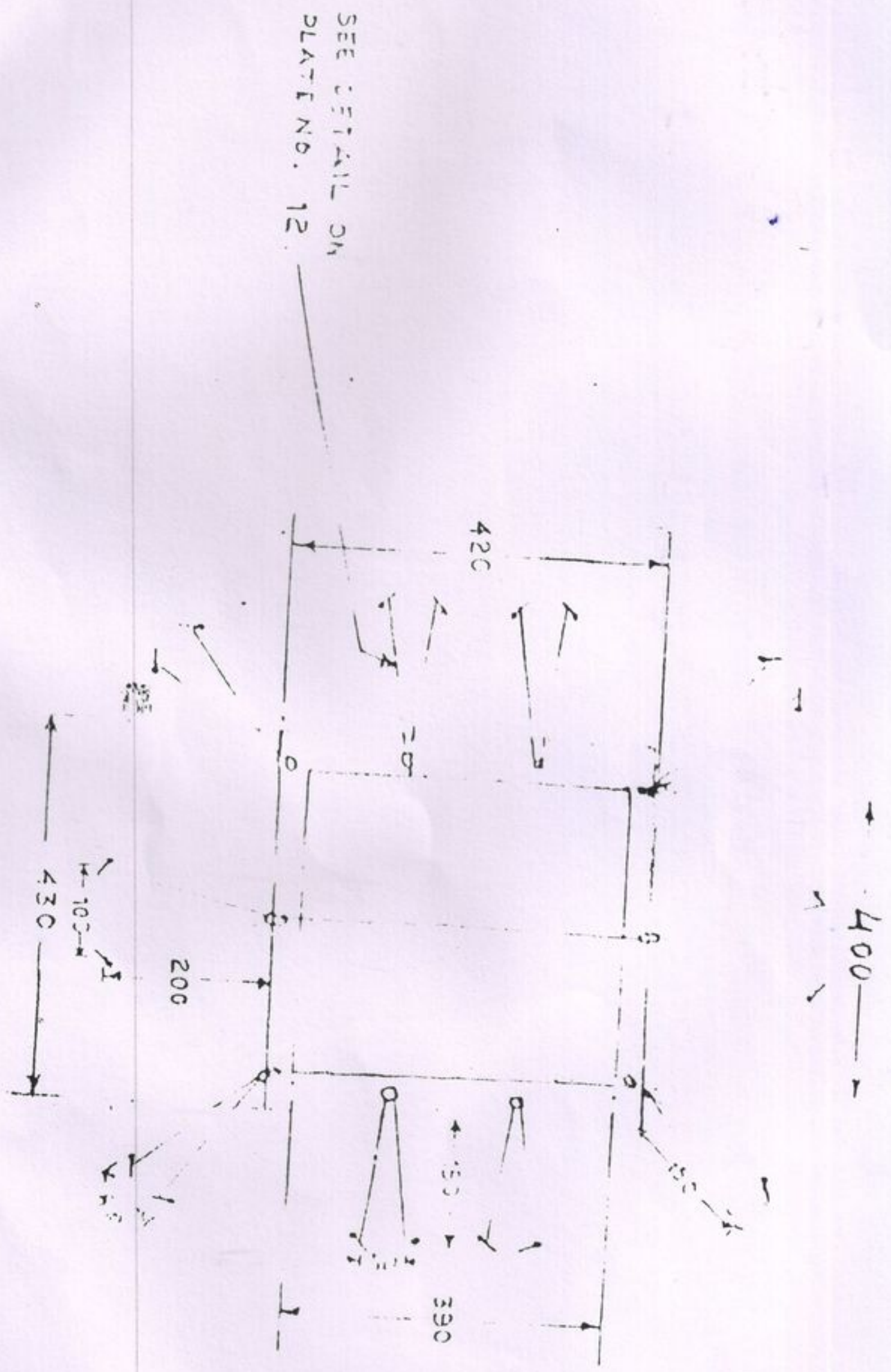
- NOTES -
- FOR FLY OUTER SEE PLATE - 4
  - FOR INNER LINER SEE PLATE - 14
  - FOR POLES (FRAME) SEE SEPARATE DRAWING

|                        |                           |          |            |                    |
|------------------------|---------------------------|----------|------------|--------------------|
| FIRST ANGLE PROJECTION | DIMENSIONS IN CENTIMETRES | DRAWN BY | CHECKED BY | PASSED APPROVED BY |
|                        |                           |          |            |                    |

Handwritten notes or reference numbers at the top of the page.

# TENT GLACIER PITCHING PLAN

30-PLATES  
PLATE-2



○ — POLES  
 | — PINS

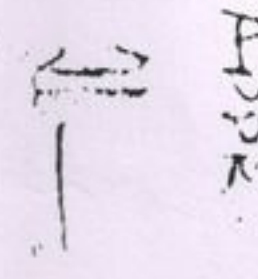
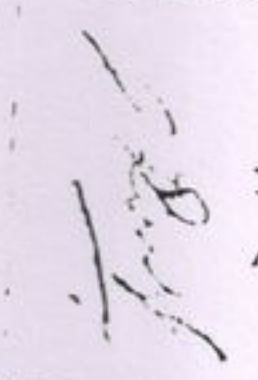
DIMENSIONS IN Cm

DRN. *gare*

CHK

PASS

APPR.



# TENT GLACIER

## INDEX

| S. No. | NOMENCLATURE   | ON PLATE |
|--------|--|----------|
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| 2      | PITCHING PLAN  | 2        |
| 3      | GENERAL ASSEMBLY (LINE PLAN)                           | 3        |
| 4      | ASSEMBLY (FLY OUTER)                                   | 4        |
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| 6      | FRONT/END VIEW (FLY OUTER)                             | 6        |
| 7      | WINDOW (FLY OUTER)                                     | 7        |
| 8      | SPOUT (FLY OUTER)                                      | 8        |
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| 28     | BAG FOR 3WAY / 4WAY JOINTS                             | 25       |
| 29     | BAG FOR PINS   | 26       |
| 30     | PACKING STRAPS   | 27       |
| 31     | LOOP WITH TOGGLE                                       | 29       |
| 32     | MATERIALS LIST   | 30       |
| 33     | BAG REPAIR KIT   |          |

DRAWN BY

CHECKED BY

PASSED BY

APPROVED BY

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

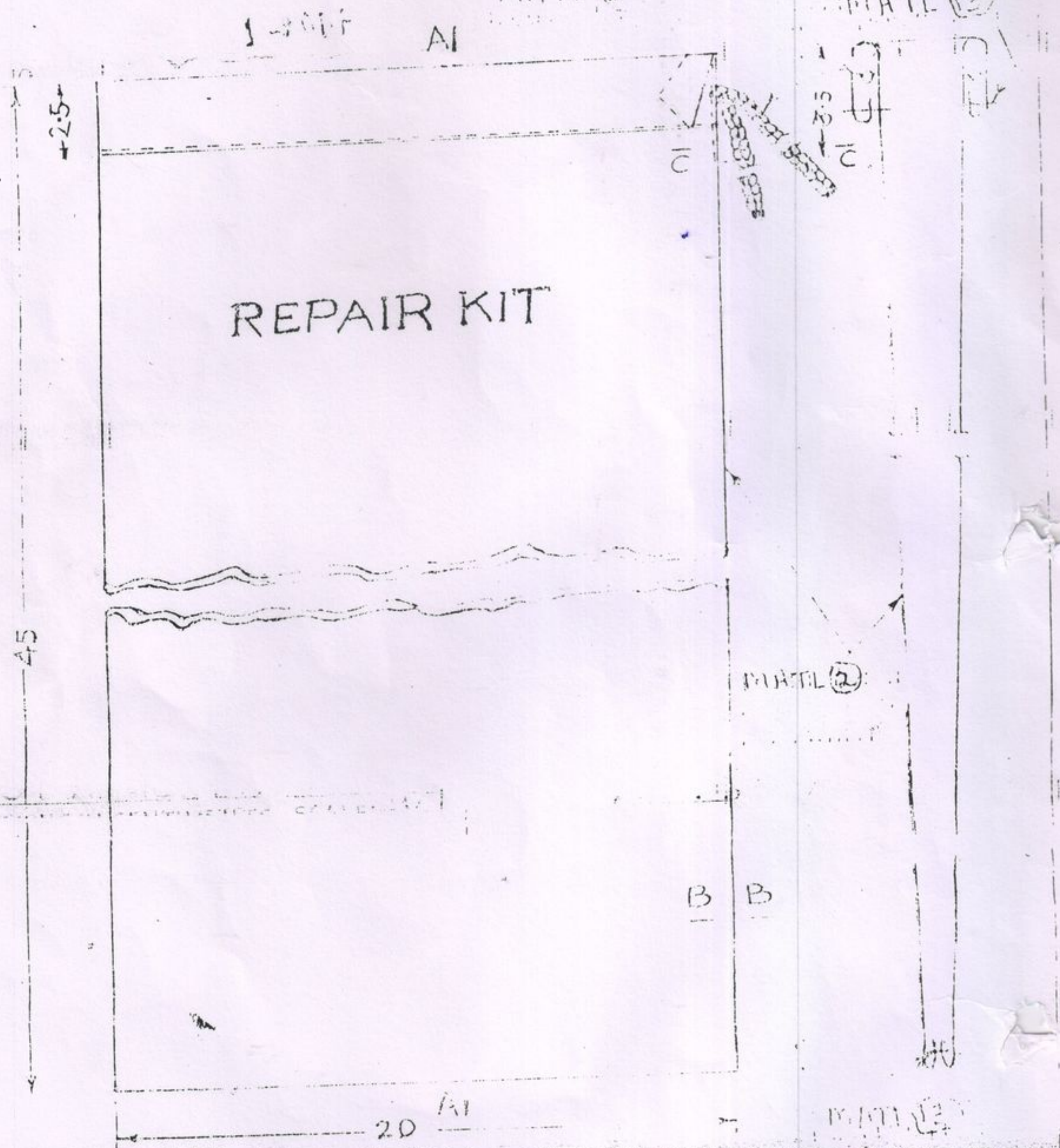
DESIGN SPECIFICATION NO. DMSRDE/T&GS/93/408

# TENT GLACIER 10-12 MEN BAG REPAIR KIT

30-PLATE  
PLATE-30

MATERIAL

SECTION-AA  
PART (2)



SECTION-BB

SECTION-CC

FIRST ANGLE PROJECTION  
DIMENSIONS IN CENTIMETRES SCALE: 1/2

|                      |                        |                       |                      |
|----------------------|------------------------|-----------------------|----------------------|
| DRAWN BY<br>N. M. S. | CHECKED BY<br>G. S. S. | PASSED BY<br>G. S. S. | APPROVED<br>B. S. S. |
|----------------------|------------------------|-----------------------|----------------------|

Drawn Sheet No. DMSRDE/TT2/GS/93/1408 (B)

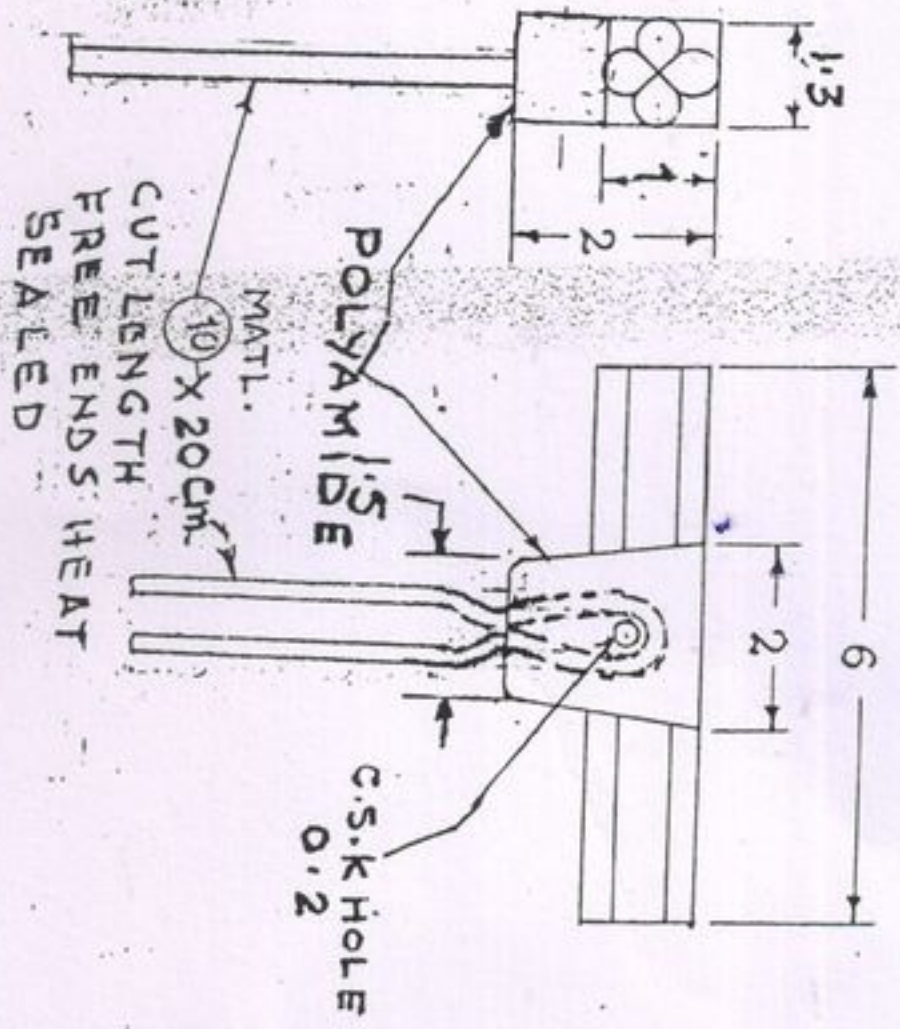
### TENT GLACIER

30-PLATES  
PLATE-28

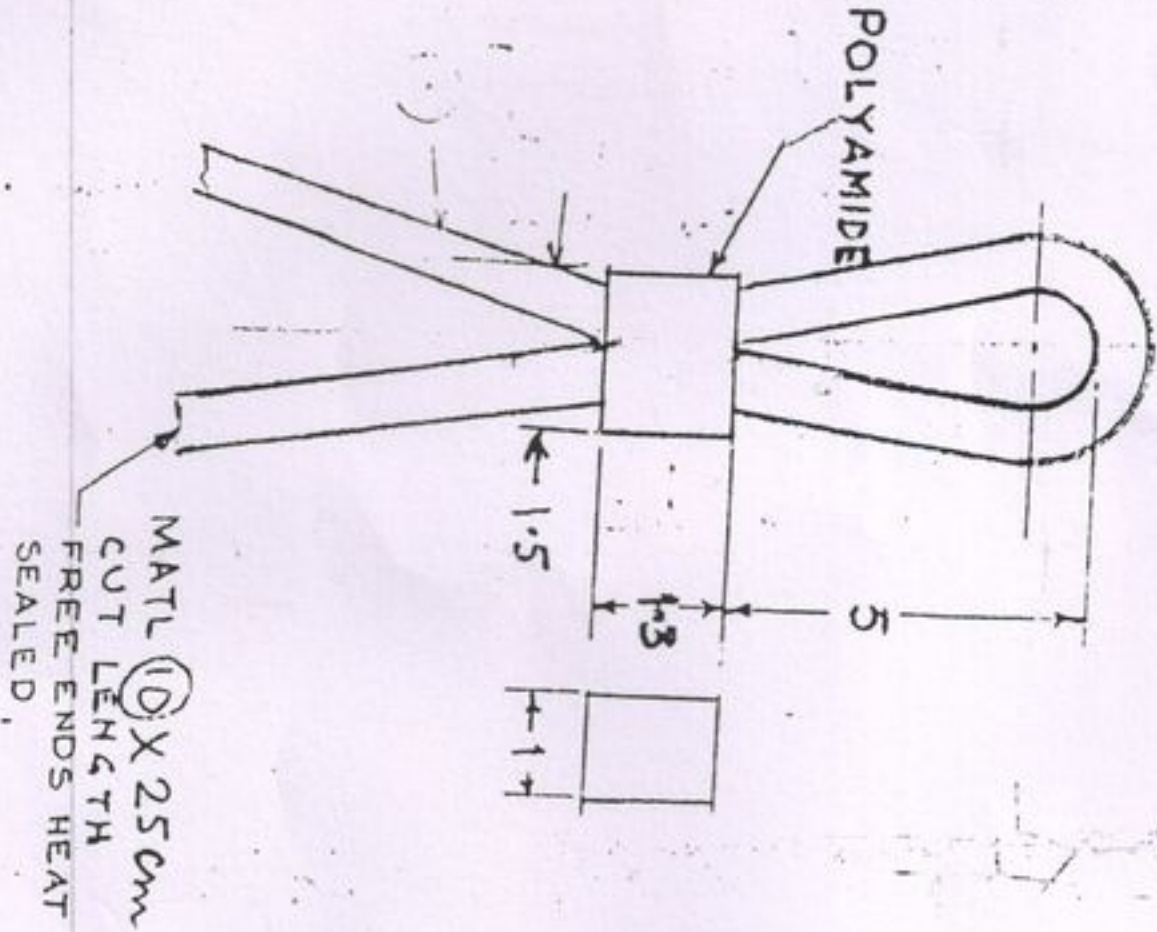
### LOOP WITH TOGGLE

### TOGGLE

26 No. FOR FLYOUTER  
5 No. FOR INNER LINER.



18 No. FOR FLYOUTER  
LOOP



FIRST ANGLE PROJECTION

DRAWN BY

CHECKED BY

PROJECTED BY

APPROVED BY

DESIGNED BY

R.M.

*[Signature]*

*[Signature]*

*[Signature]*



Prov. Specn. No. DMSRDE/T&GS/93/408(b) **TENT GLACIER**  
**MATERIALS LIST**

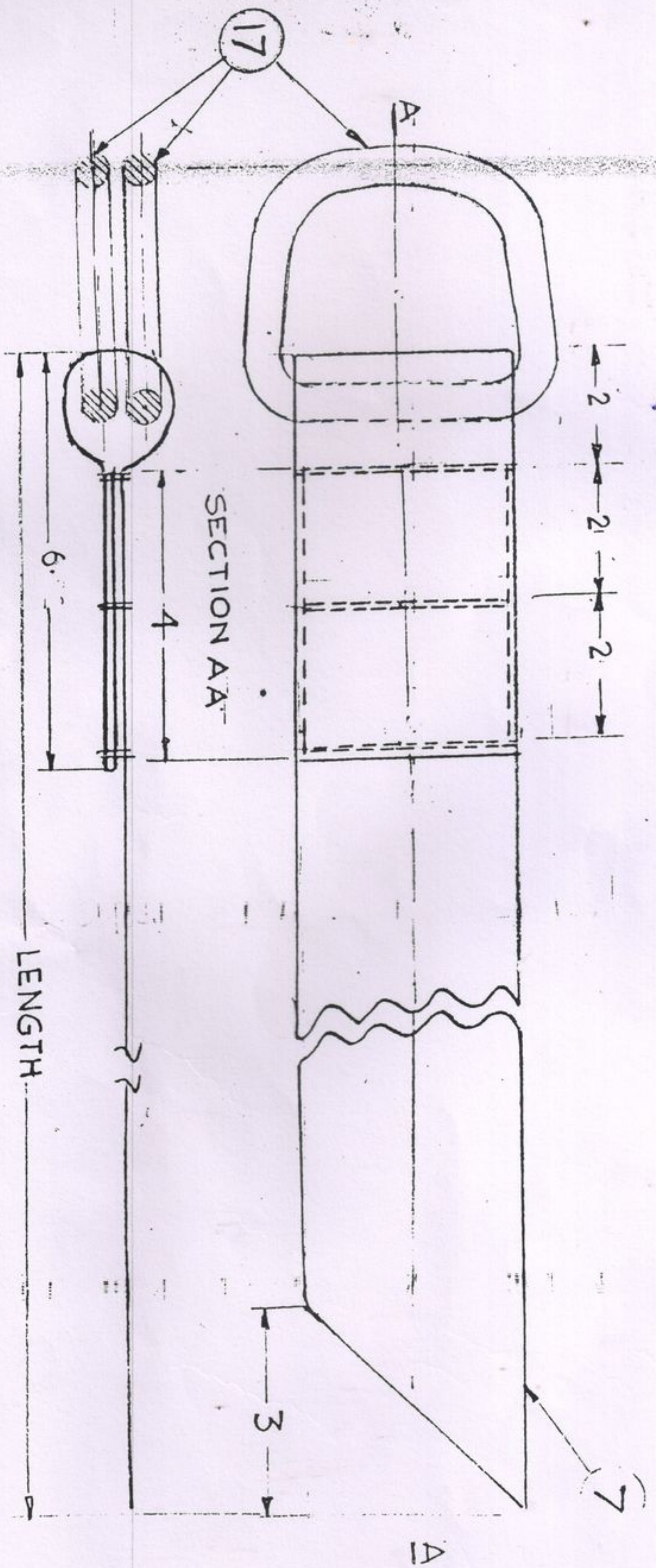
| S-NO. | NAME OF MATERIAL   | PARTICULARS  |
|-------|--|--|
| 1     | FABRIC POLYESTER 650gm PVC COATED WHITE 140 cm WIDE                              | PROV. SPECN. No. DMSRDE/T&GS/93/409                      |
| 2     | FABRIC POLYESTER 650gm PVC COATED GREY 140 cm WIDE                               | SCHEDULE NO. DMSRDE/TEX-2/93/1                           |
| 3     | NON-WOVEN POLYESTER FABRIC 140 cm WIDE   | SCHEDULE NO. DMSRDE/TEX-2/93/2                           |
| 4     | FABRIC NYLON KNITTED ALUMINISED 100 cm WIDE                                      | JSS-8305-5   |
| 5     | FABRIC COTTON CLOSELY WOVEN 237gm SCOURED 91cm WIDE                              | SCHEDULE NO. DMSRDE/TEX-2/93/3                           |
| 6     | TAPE NYLON THIN 70 mm UNDYED   | PROV. SPECN. No. DMSRDE/T&GS 92/403                      |
| 7     | TAPE NYLON THICK 38 mm UNDYED  | JSS-4020-1   |
| 8     | TAPE NYLON THICK 25 mm UNDYED  | JSS-4020-9   |
| 9     | ROPE NYLON HANSERLAID 8 mm UNDYED  | IS:10054   |
| 10    | CORD NYLON 3120 N BREAKING LOAD UNDYED   | IS:8156  |
| 11    | HD PE MONOFILAMENT MOSQUITO NETTING  | IS:4229 VARIETY No. H1 WITH AMENDMENT No.1, APRIL-83     |
| 12    | ROUND MESH UNDYED  | IS:1720  |
| 13    | FASTENER HOOK AND LOOP TAPE SYNTHETIC UNDYED 50 mm                               | IS:4829 AND DMSRDE SCHEDULE No. DMSRDE/TEX-2/89/1        |
| 14    | SEWING NYLON UNDYED FOR AEROSPACE PURPOSE  | IS:4089 (WITH AMENDMENT No.1) AND SS No. CBA (GS)/SS/335 |
| 15    | SEWING COTTON 16 TEX X6 WHITE  | PROV. SPECN. No. DMSRDE/T&GS/93/407                      |
| 16    | SLIDE FASTENER PLASTIC, HEAVY DUTY WHITE (CLOSED END ONE WAY WITH DOUBLE PULLER) | AS PER DETAIL ON PLATE-28                                |
| 17    | EYELET ALUMINIUM ALLOY No. 30 WITH WASHER  | PROV. SPECN. No. DMSRDE/T&GS/93/407                      |
| 18    | DEES IRON 40 mm  | PROV. SPECN. No. DMSRDE/T&GS 93/407                      |
| 19    | BUCKLE STEEL SERRATED 25 mm LOOP WITH TOGGLE                                     |  |
| 20    | RUNNER   |  |
| 21    | SHACKLE WITH PIN   |  |

|                 |                                  |                                 |                                |
|-----------------|----------------------------------|---------------------------------|--------------------------------|
| DRAWN BY<br>RKP | CHECKED BY<br><i>[Signature]</i> | PASSED BY<br><i>[Signature]</i> | APPROVED<br><i>[Signature]</i> |
|-----------------|----------------------------------|---------------------------------|--------------------------------|

# TENT GLACIER

## PACKING STRAPS

2 OFF, 245 CM LONG FOR FLY OUTER  
2 OFF, 370 CM LONG FOR INNER LINER



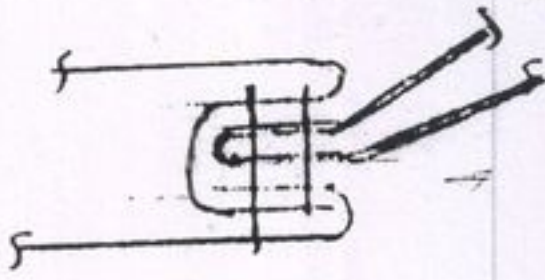
END HEAT SEALED

|                              |               |               |               |               |
|------------------------------|---------------|---------------|---------------|---------------|
| FIRST ANGLE PROJECTION       | DRAWN BY      | CHECKED BY    | PASSED BY     | APPROVED BY   |
| DIMENSIONS IN CM. SCALE: 1/1 | <i>Arvind</i> | <i>Arvind</i> | <i>Arvind</i> | <i>Arvind</i> |

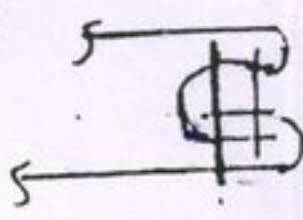
Proj. Specn. No. DMSRDE/TPGS/93/408 (b)

30-PLATES  
PLATE - 26

SECTION EE



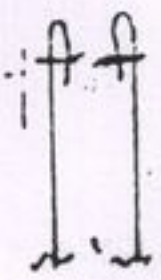
SECTION DD



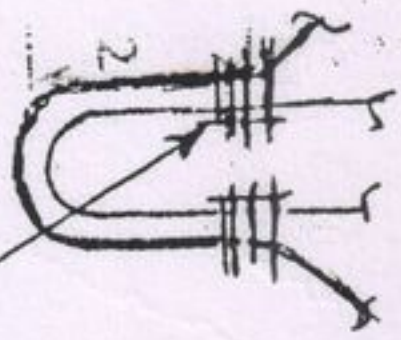
TENT GLACIER  
BAG FOR PINS

MATL - ②  
1 - OFF

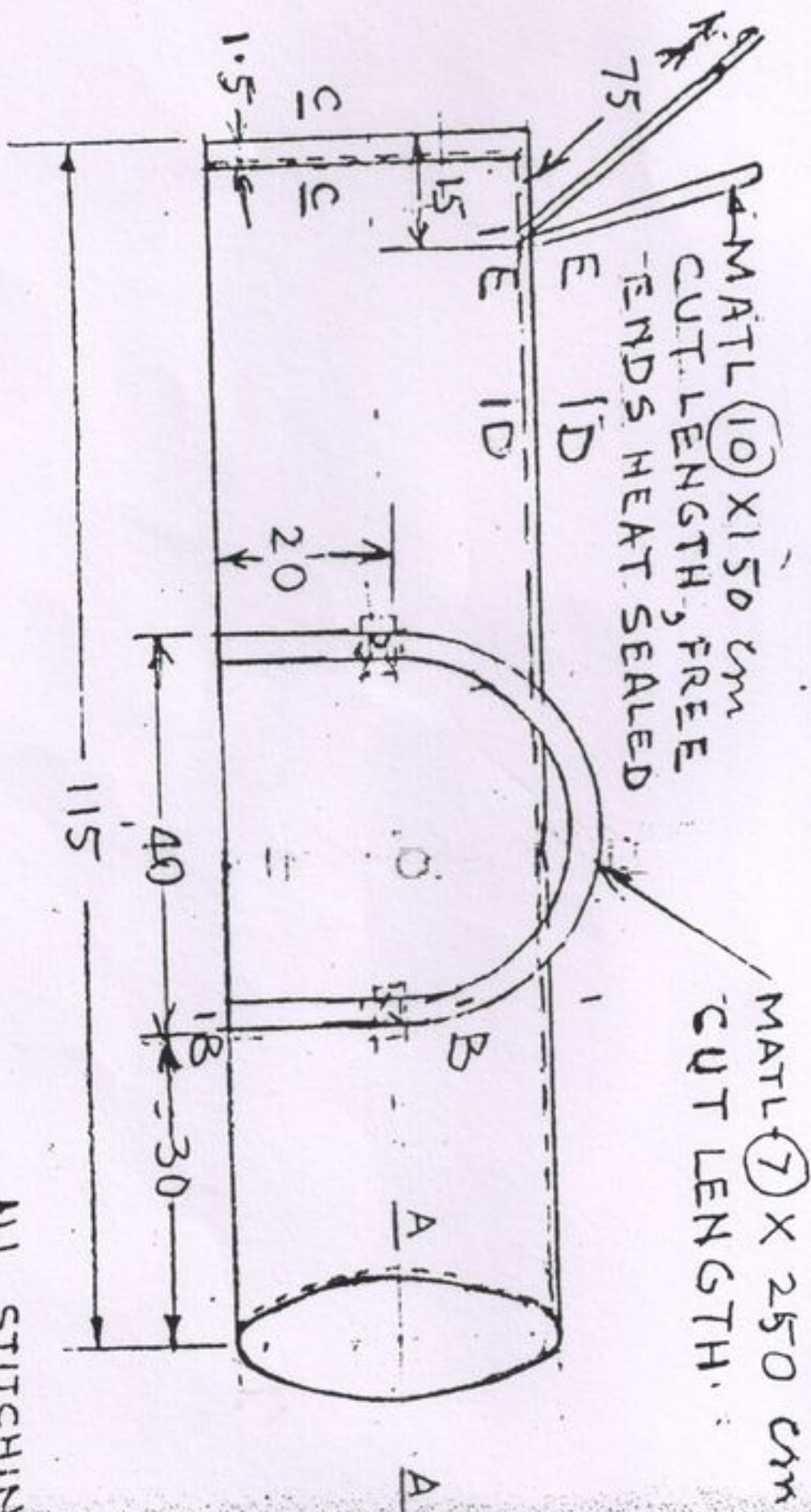
SECTION - CC



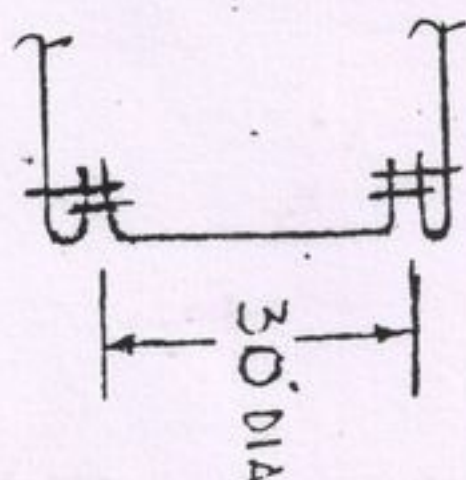
SECTION - BB



STRENGTHENING  
PIECE MATL ②  
6 X 6 cm.



SECTION - AA



ALL STITCHING DONE WITH  
MATL - ⑬

FIRST ANGLE PROJECTION

DIMENSIONS IN CM.

|                           |                             |                          |                                   |
|---------------------------|-----------------------------|--------------------------|-----------------------------------|
| DRAWN BY<br><i>Jangir</i> | CHECKED BY<br><i>et nif</i> | PASSED BY<br><i>Ravi</i> | APPROVED BY<br><i>[Signature]</i> |
|---------------------------|-----------------------------|--------------------------|-----------------------------------|

Prov. Specn. No. DMSRDE/TP GS/93/408 (b)

# TENT GLACIER

30-PLATES  
PLATE-25

BAG FOR 3 WAY / 4 WAY JOINTS

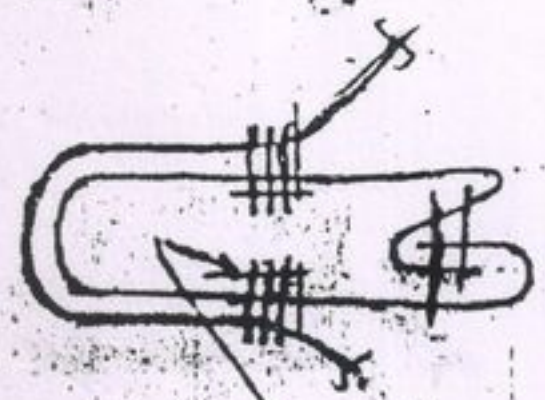
MATL - (2)  
1 - OFF

SECTION BB

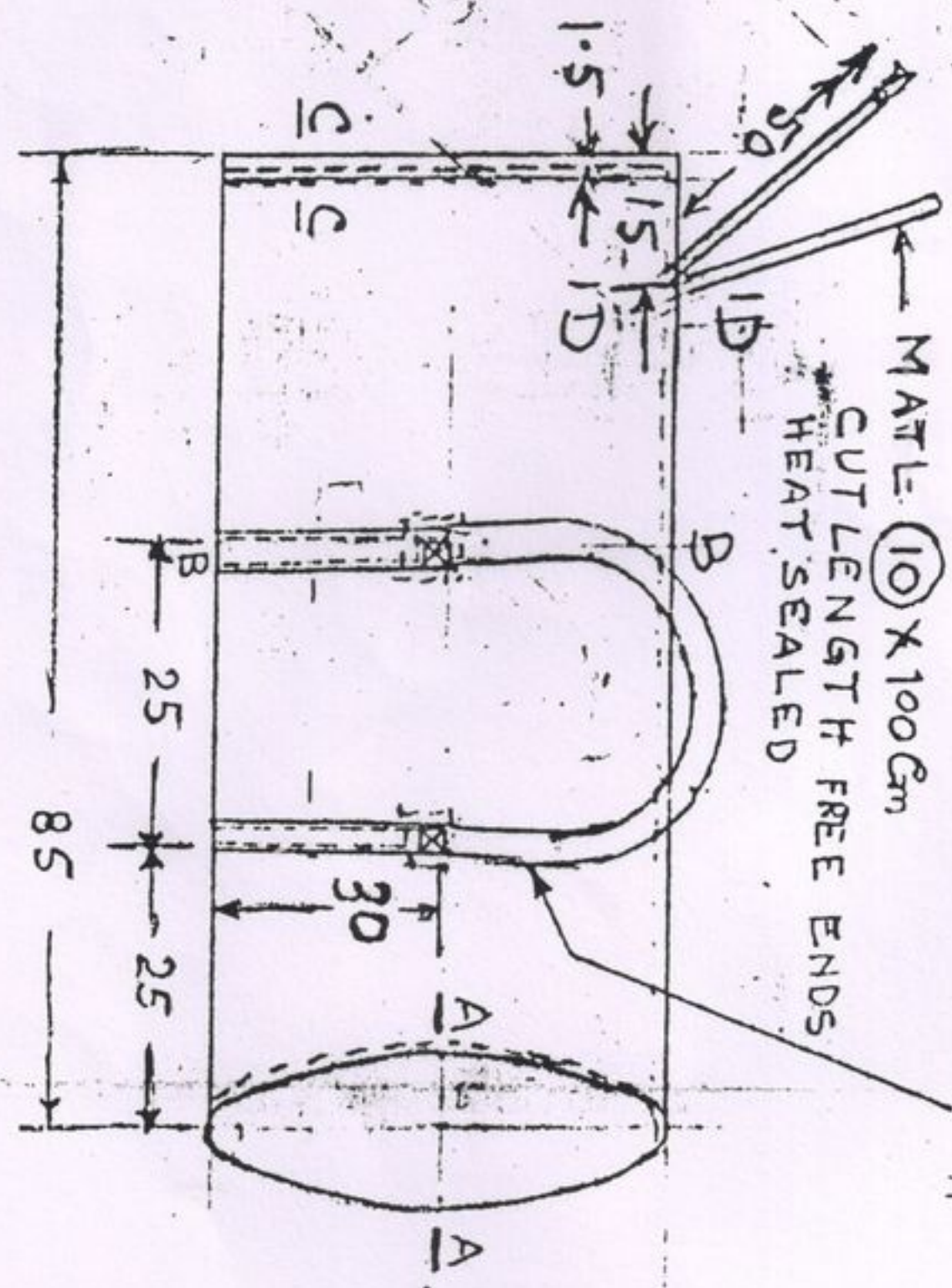
STRENGTHENING  
PIECE MATL (2) 6 X 6 cm.

MATL (7) X 300 cm.  
CUT LENGTH

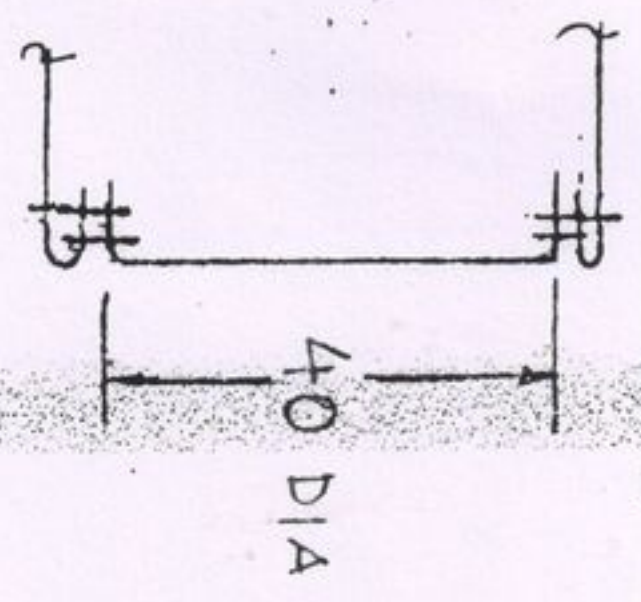
MATL (10) X 100 cm.  
CUT LENGTH FREE ENDS  
HEAT SEALED



SECTION - CC



SECTION - AA



ALL STITCHINGS DONE WITH  
MATL - (13)

FIRST ANGLE PROJECTION

DIMENSIONS IN C.M.

DRAWN BY

*Spraggs*

CHECKED BY

*R. B. S.*

PASSED BY

*R. B. S.*

APPROVED

*R. B. S.*