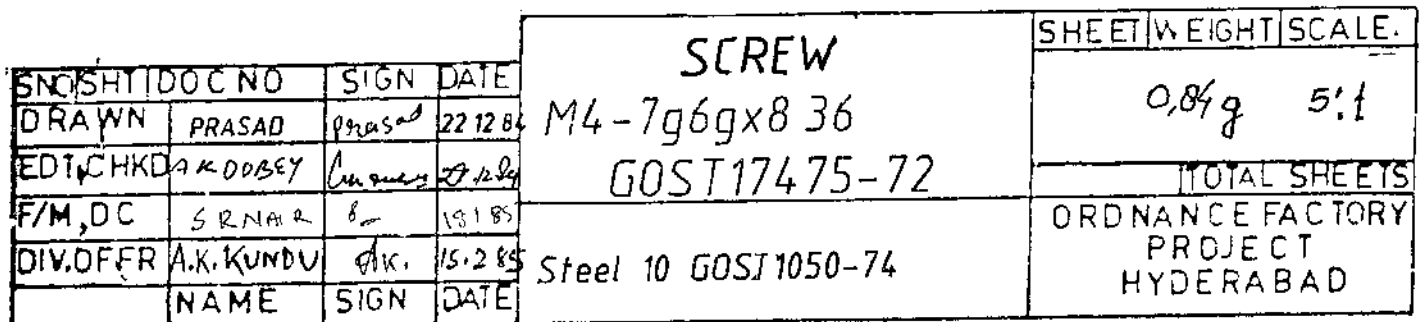
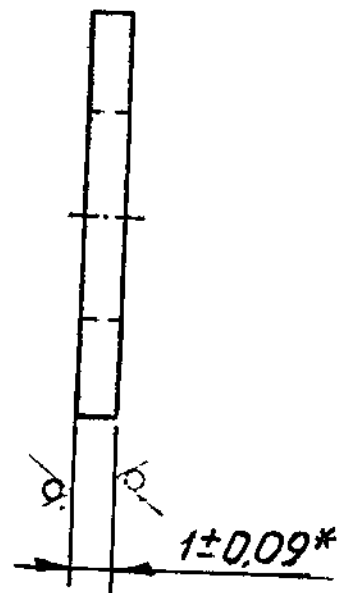
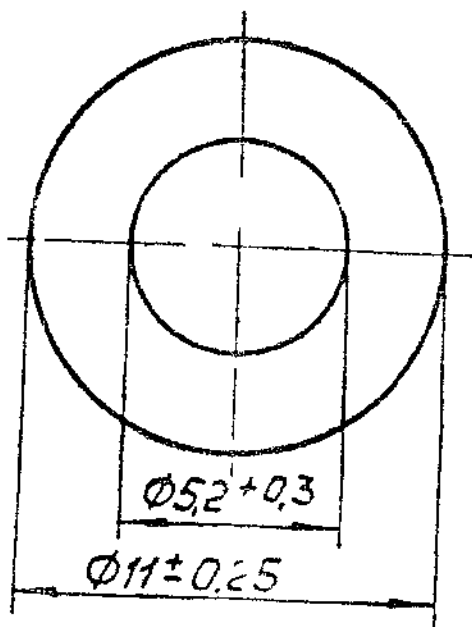


$\nabla^4(\nabla)$



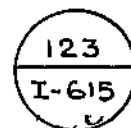
L571-X8

R. 80
✓(✓)



DESIGNATION.	COATING.
8X-1497.	Zinc-plated, 6 microns thick, chromating. Composition of solution for chromating is as per V-252-78.

* Dimension is given for reference.



ECKD

8X-1497

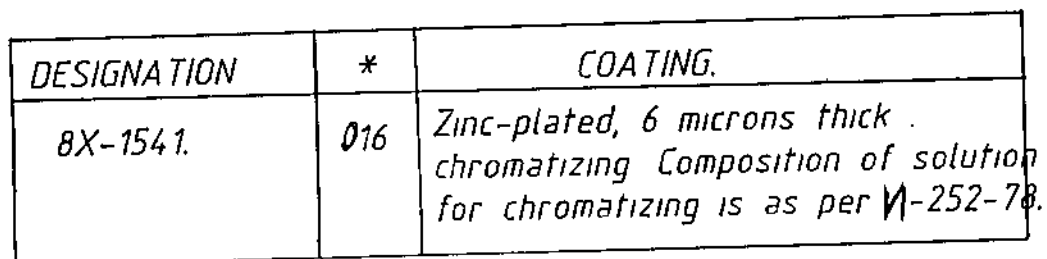
SNOSHT	DOC NO	SIGN	DATE
DRAWN	R.H. PRASAD	<i>[Signature]</i>	24.12.84
EDT/CHKD	D.K. JAIN	<i>[Signature]</i>	29.12.84
F/M, UC	S.R. NAIR	<i>[Signature]</i>	18.1.85
DIV. OFFR	A.K. KUNNU	<i>[Signature]</i>	15.2.85
	NAME	SIGN	DATE

WASHER.

SHEET	WEIGHT	SCALE
1	50.6g	5:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

Sheet B 10 OCT 19904-74
4-II 10 OCT 16523-70.

$\nabla_4(\nabla)$



1. Maximum misalignment of head and slot axes with respect to body axis is 0.3mm.
3. Technical requirements are as per GOST 1759-70.

124
I-615

Copy is taken from GOST 17473-72.

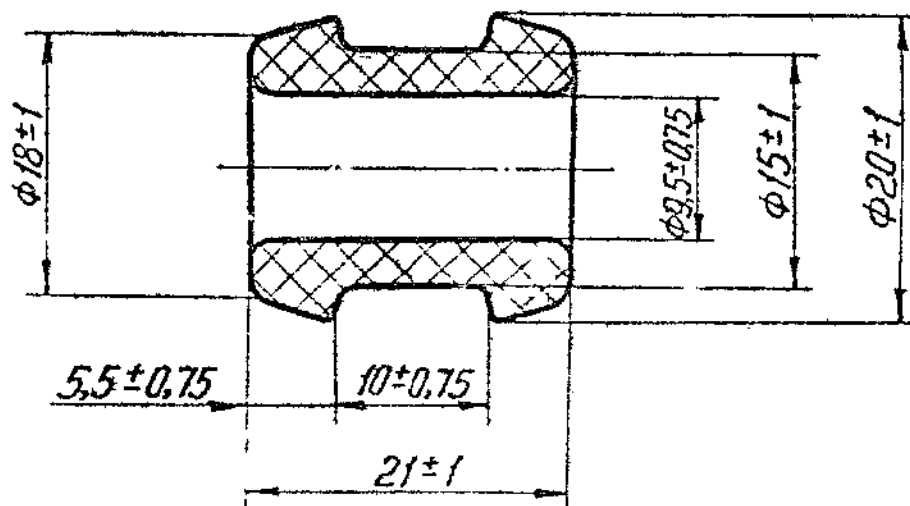
8X-1541

SNO					SHT					DOC NO					SIGN					DATE				
DRAWN					R.H.PRASAD.					<i>[Signature]</i>					24.12.84.									
EDT					CHKD					D.K.JAIN					<i>[Signature]</i>					29.12.84.				
F/M, DC.					S.R.NAIR.					<i>[Signature]</i>					18.1.85.									
DIV.OFFR					A.K.KUNDU					<i>[Signature]</i>					15-2-85.									
					NAME					SIGN					DATE									

SCREW		
M4-7g6g x 8.36 *		
FOCT 17473-72.		
Wire 3.45 - 10		
FOCT 5663-79.		

SHEET	WEIGHT	SCALE
	5:1,1862	5:1
TOTAL SHEETS		
ORDNANCE FACTORY		
PROJECT		
HYDERABAD		

AK8.735.008



- 1 Rounding off radii are 1mm
- 2 Dimensions are provided with tool
- 3 Mark on the label
- 4 Other technical requirements are as per TY 005216-75

152
I-615

ЕСКД

AK8.735.008

SN	SH	DOC NO	SIGN	DATE
DRAWN		PRASAD	Prasad	26.12.84
EDT,CHKD		AKKURAR	AKKURAR	27.12.84
F/M,DC		S R NAIL	S R NAIL	18.1.85
DIV.OFFR		A.K.KUNDU	A.K.	15.2.85
		NAME	SIGN	DATE

SHOCK-ABSORBER

Rubber 98-1,
TY 005216-75

SHEET WEIGHT SCALE.

TOTAL SHEETS

ORDNANCE FACTORY
PROJECT
HYDERABAD

Восстановлен с оригинала

75 7129

000.943.000

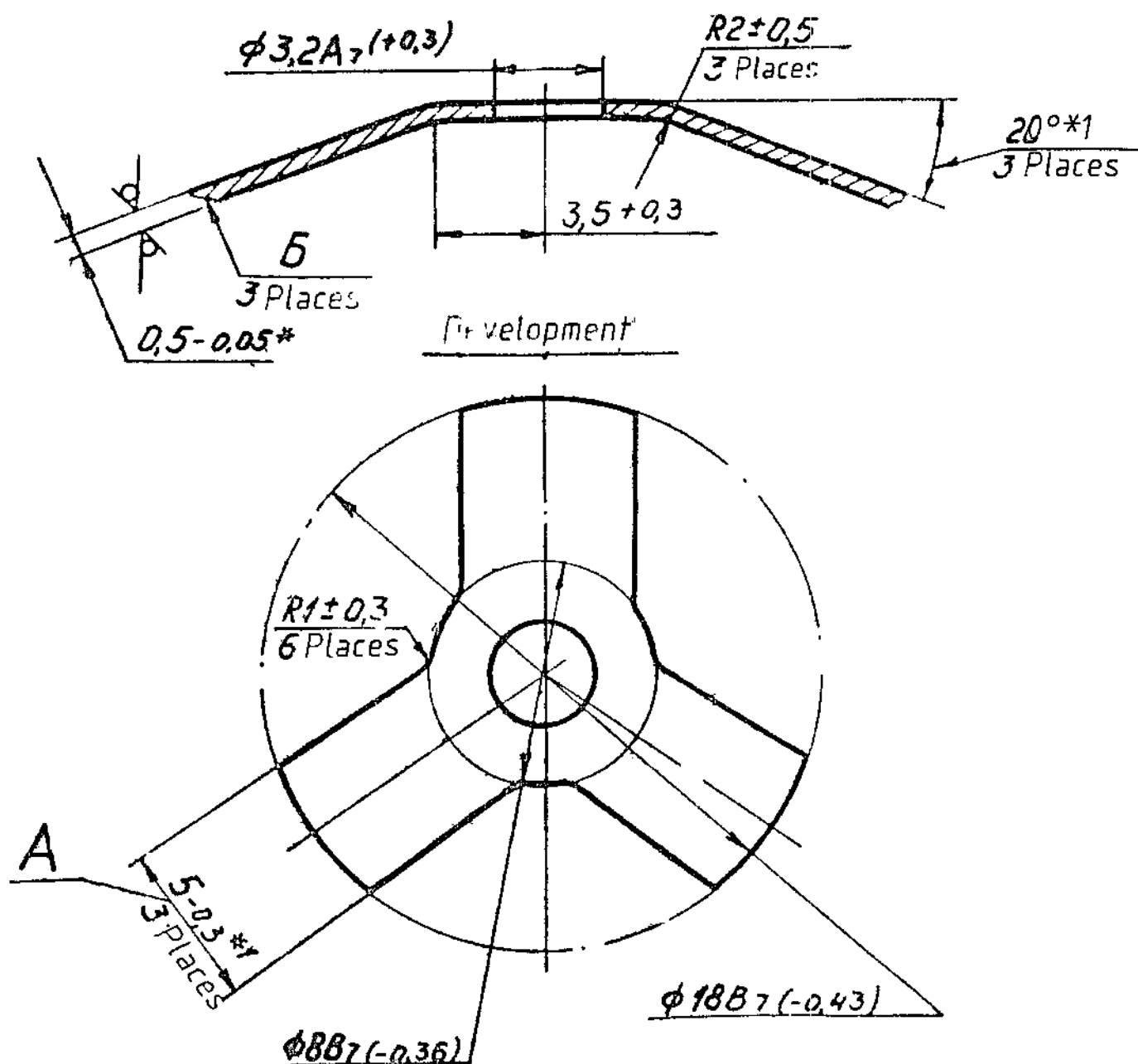
0.27

пер. примен.
PH10.250

Справ. №

в соответствии с подлинником верно:

21593 (Подп.) 3.10.77 10483



Designation	Coating
BB 8 943 000	Chemically oxidized/varnish ГФ -95 GOST 8018-70(1)

- 1 HRC 42 to 47.
- 2 *Dimension is given for reference
- 3 *1 Dimension is for tool
- 4 δ - side of rounding due to stamping
- 5 Displacement of dimension A along the angle is $\pm 1^\circ$ from true position
- 6 It is allowed to use varnish MA -92 GOST 15865-70 instead of varnish ГФ-95 GOST 8018-70

157
1-615

BB8.943.000

SN/SHY	DOC NO	SIGN	DATE
DRAWN	PRASAD	prasad	26.12.84
EDT/CHK	Prasad	prasad	27.12.84
F/M, DC	S. R. NAIN	82	18.1.85
DIV. OFFR	A. K. KONDU	AK	15.2.85
	NAME	SIGN	DATE

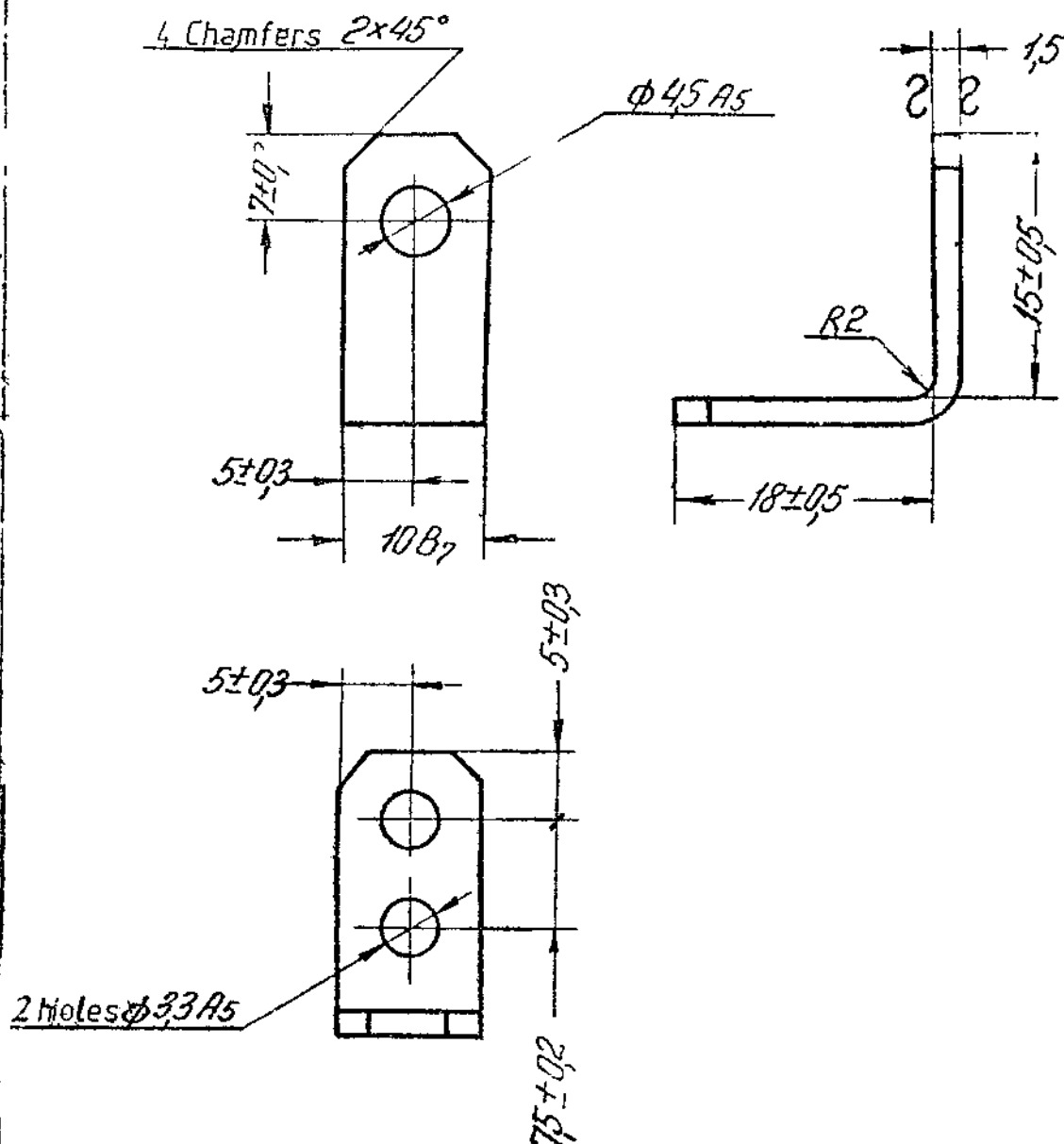
SPRING WASHER

Band Y8A-C-05
GOST 2283-79

SHEET	WEIGHT	SCALE
6	0.52	5:1
ROYAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

068 '601'8X9

▽3 Unless otherwise specified



Radii of 2mm are allowed instead of 4 chamfers $2 \times 45^\circ$

Coating Anodic oxidized, chromating

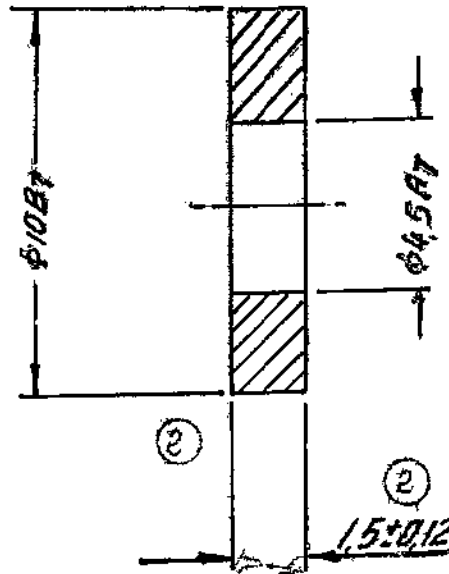
150
I-615

S/NO	SHEET	DOC NO	SIGN	DATE	BK8.109 890		
DRAWN BY	PRASAD	PRASAD	26 12 84		ANGLE PIECE		
EDITED AND CHECKED BY	A.K. KUNDU	AKK	26 12 84				
FOREMAN OF DC	S.R. NAIN	S.R.N.	18 12				
DIVISIONAL OFFICER	A.K. KUNDU	AKK	15 12 84				
	NAME	SIGN	DATE				
					Alloy AMF 2M Sheet 1,5		
					GOST 12592-67		
					SHEETS	WEIGHT	SCALE
					TOTAL SHEETS		
					ORDNANCE FACTORY PROJECT HYDERABAD		

5K8542.258

073

Unless otherwise specified.



- 1 Dress the burrs
- 2 Stamping method accepted in sealed bundle
- 3 Coating Zinc-plated, 9microns thick, chromating

Material $\frac{15 \text{ GOST } 19904-74}{4-II-10 \text{ GOST } 16523-70}$ sheet

156
I-615

SN	SHT	DOC NO	SIGN	DATE
DRAWN		RRASAD	Phrasad	26.12.84
EDT,CHKD		A. K. KUNDU	Am	21-12-84
F/M,DC		S. R. NAIL	82	18.1.85
DIV.OFFR		A. K. KUNDU	AK.	15.2.85
		NAME	SIGN	DATE

WASHER

See above,

SHEET WEIGHT SCALE.

5K8542.258

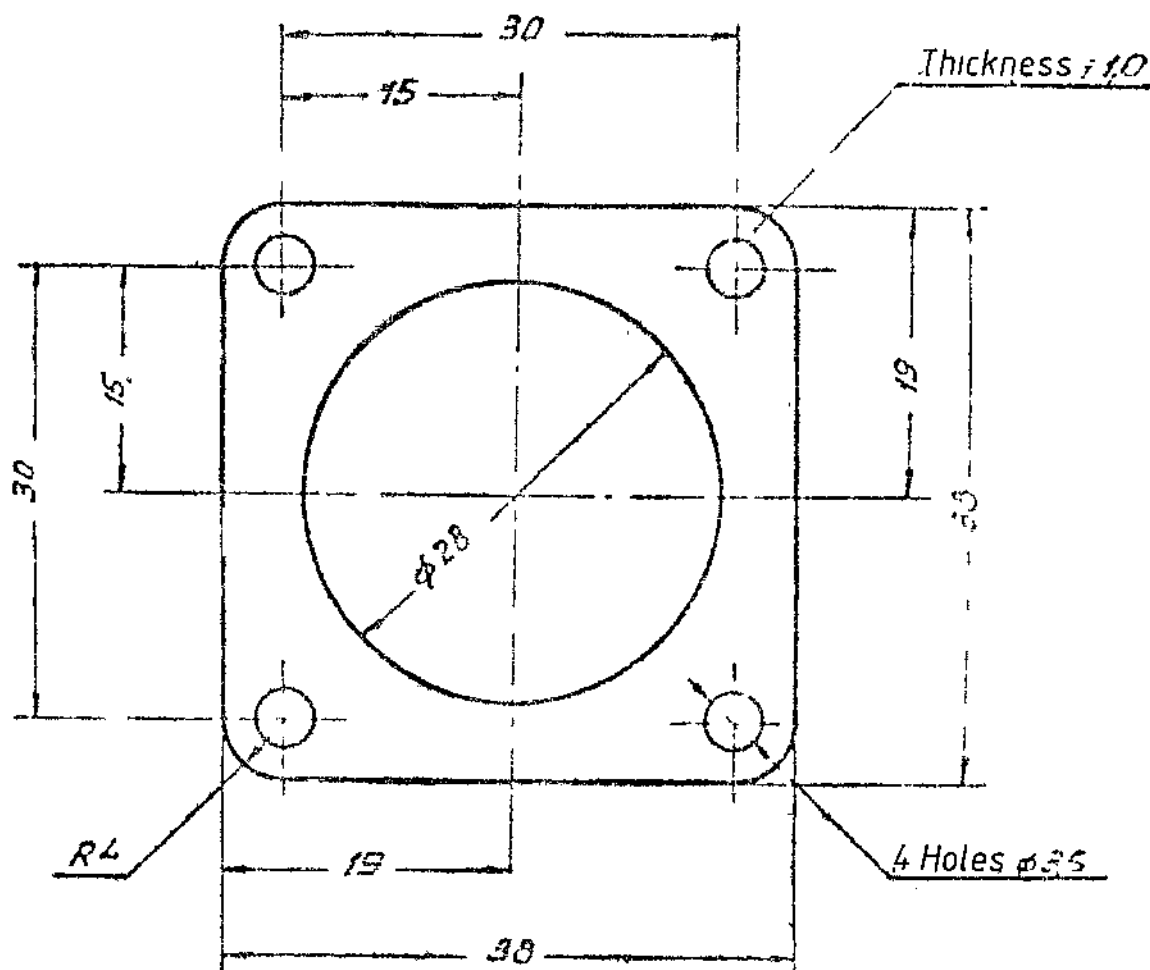
TOTAL SHEETS

ORDNANCE FACTORY
PROJECT
HYDERABAD

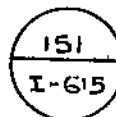
Weight 10.098 g SCALE = 5:1

B. N. 353 Mup. 17878

5K8.683.000



Stamping method acceptance in sealed bundle



S/NO	SHEET	DOC NO	SIGN	DATE
DRAWN BY	PRASAD	prasad		26.12.84
EDITED AND CHECKED BY	A. K. KUNDU	AKK		29.12.84
FOREMAN OF DC	S. R. NAIN	SRN		18.1.85
DIVISIONAL OFFICER	A. K. KUNDU	AKK		15.2.85
	NAME	SIGN	DATE	

GASKET

Rubber: 9086
MPTY 38-5-1166-64

5K8.683.000

SHEETS WEIGHT SCALE

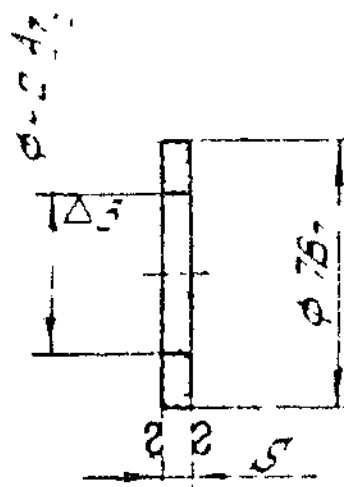
TOTAL SHEETS

ORDNANCE FACTORY PROJECT
HYDERABAD

RECEIVED BY: 2577, 1-123

244
5K8.942
247

2(Δ)



- 1 Stamping method accepted in sealed bundle,
- 2 Parts 5K8.942 $\frac{244}{245}$ may be manufactured from band 10M-HT-2-0-0.2 to 0.3 GOST503-71
- 3 Alternate material for part 5K8.942.246 is band 08KП -M-T-1-0.5 GOST503-71

Designation	Thickness S	Mass	Material	Coating
5K8.942.244	0.2-0.03	0.0001	Band 10-M-HT-2-0-0.2 GOST503-71	Zinc-plated 6microns thick, chromating
5K8.942.245	0.3-0.04	0.0001	Sheet $\frac{0.3}{4-II}$ GOST19904-74 GOST16523-70	Zinc-plated, 6microns thick, chromating
5K8.942.246	0.5-0.05	0.0002	Sheet $\frac{0.5}{4-II}$ GOST19904-74 GOST16523-70	Zinc-plated, 6microns thick, chromating
5K8.942.247	1-0.09	0.0004	Sheet $\frac{1}{4-II}$ GOST19904-74 GOST16523-70	Zinc-plated, 6microns thick, chromating

155
I-615

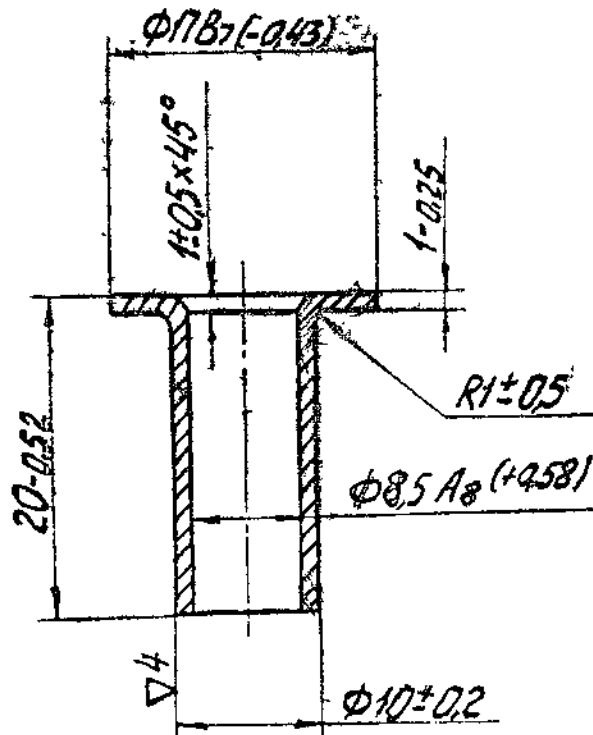
SINO	SHEET	DOCNO	SIGN	DATE
DRAWN BY	PRASAD	Prasad		26.12.84
EDITED AND CHECKED BY	Prasad	Prasad		26.12.84
FOREMAN OF DC	S. R. AM	S		18.1.85
DIVISIONAL OFFICER	A. K. AM	A		15.2.85
	NAME	SIGN	DATE	

WASHER

5K8.942.244 5K8.942.247	SHEETS	WEIGHT	SCALE
			5:1
TOTAL SHEETS			
ORDNANCE FACTORY PROJECT HYDERABAD			

BK4.024

▽3(▽)



1. Alternate material:

a) Steel 15 GOST 1050-74.

b) Steel A12-H GOST 1414-75

2. Coating: Cadmium, 24 microns thick chromating.
Area of coating 18cm^2 .

93
I-615

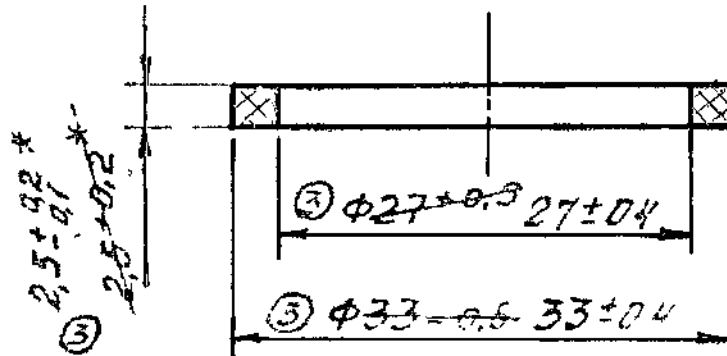
ECKD

BK4.024

SNO.	HT	DOC NO	SIGN	DATE	HOLLOW RIVET	SHEET	WEIGHT	SCALE
DRAWN		N yesudas	<i>[Signature]</i>	22.12.84			5.0004	2:1
EDT & CHKD		B. Sankar	<i>[Signature]</i>	31.12	Steel 10 GOST 1050-74	TOTAL SHEETS		
F/M, DC		S R Nair	<i>[Signature]</i>	18.1.85		ORDNANCE FACTORY		
DIV. OFFR		A.K. KUNDU	<i>[Signature]</i>	15.2.85		PROJECT		
		NAME	SIGN	DATE		HYDERABAD		

BKY.072

BKY 330-1



- 1 * Dimension is subjected to compulsory checking , other dimensions are provided with tools periodically checked not less than once quarterly.
- 2 Other Technical requirements are as per TY 005 216-75

104
I-615

ЕСКА

BKY.072

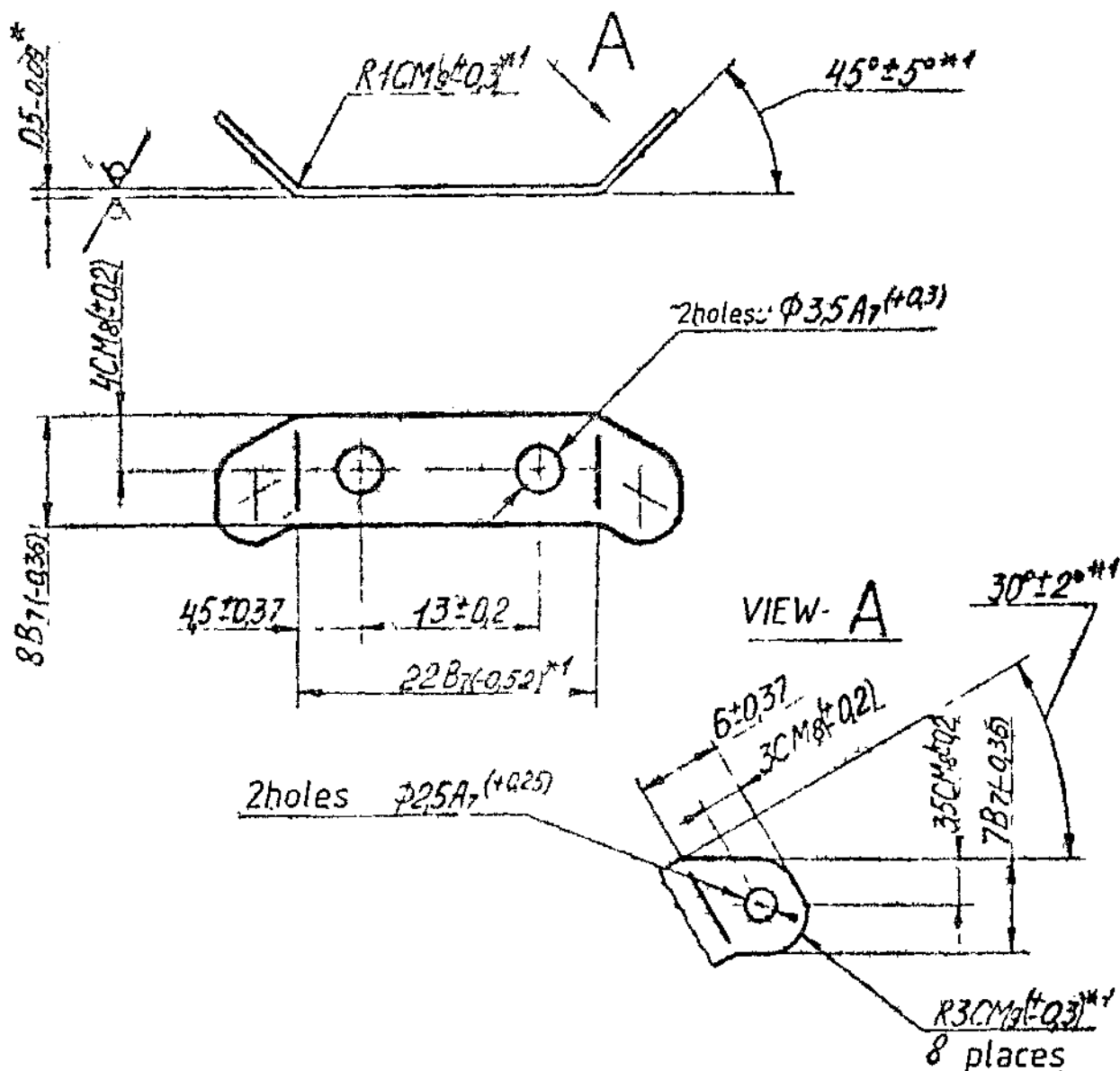
SN	SH	DOC NO	SIGN	DATE
DRAWN		R.H.PRASAD	<i>[Signature]</i>	22.12.84
EDT,CHKD		D.K.JAIN	<i>[Signature]</i>	29.12.84
F/M,DC.		S.R.NAIR	<i>[Signature]</i>	18.1.85
DIV.OFFR		A.K.KUNDU	<i>[Signature]</i>	15.2.89
		NAME	SIGN	DATE

RING 253113.

SHEET	WEIGHT	SCALE
5	0.4gms.	2:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

Rubber 98-I TY005.216-75

GP 15.012

R280
✓(✓)

1 *Dimension is given for reference.

2. *1 Dimensions are provided with tool.

3. Tolerating .09

83
I-615

ECKD

GP 15.012

SNO	SHY	DOC NO	SIGN	DATE
DRAWN	N. Yesudas			22.12.84
EDT,CHKD	S. S. S. S.			11.12
P/M,DC	S. R. Nair			18.1.85
DIV.OFFR	A. K. KUNDU			15.2.85
	NAME	SIGN	DATE	

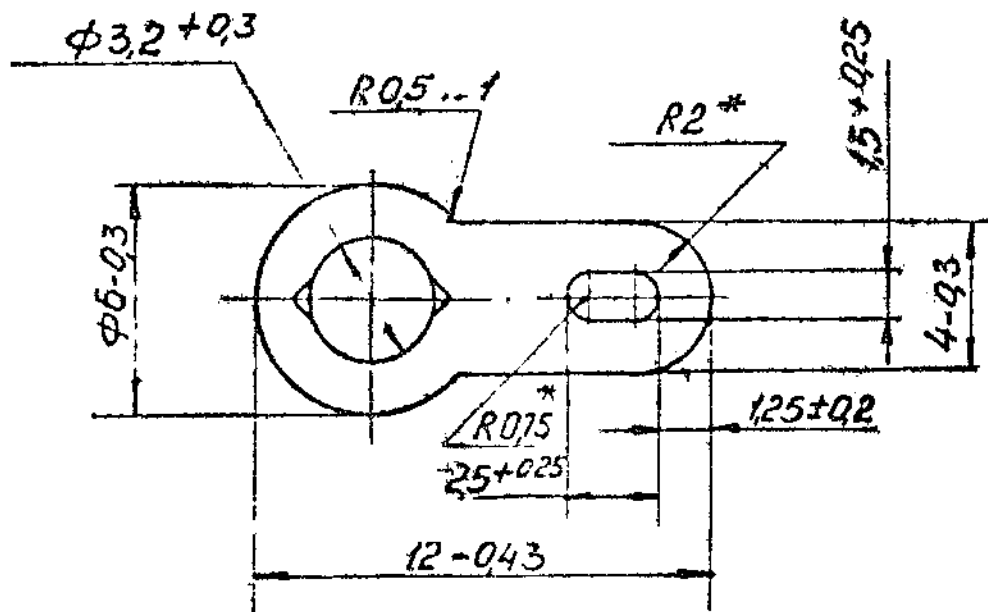
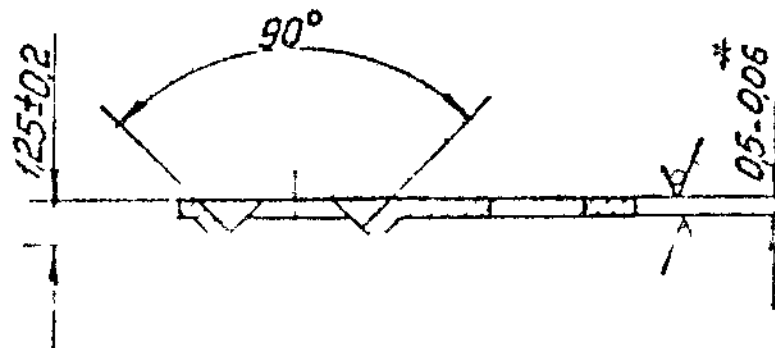
BOARD

Sheet 11 PM 05H 1163
GOST 931-78

SHEET	WEIGHT	SCALE
6	1g	2:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

KC7 750.006-3

Rz80/ (✓)



1 Dimensions are given for reference

2 Alternate material is sheet $\Lambda 63M$ GOST931-70

3 Coating tin-lead(50)9

It is allowed to coat Cadmium, 6microns thick

Copy is taken from standard HG 0 775 000

153
I-615

KC7 750 006-3

SNOSHT	DOC NO	SIGN	DATE
DRAWN	PRASAD	Prasad	26.12.84
EDT, CHKO	A. K. KUNDU	A. K. KUNDU	24.12.84
F/M, DC	S. R. NAIN	S. R. NAIN	18.12.84
DIV. OFFR	A. K. KUNDU	A. K. KUNDU	15.2.85
	NAME	SIGN	DATE

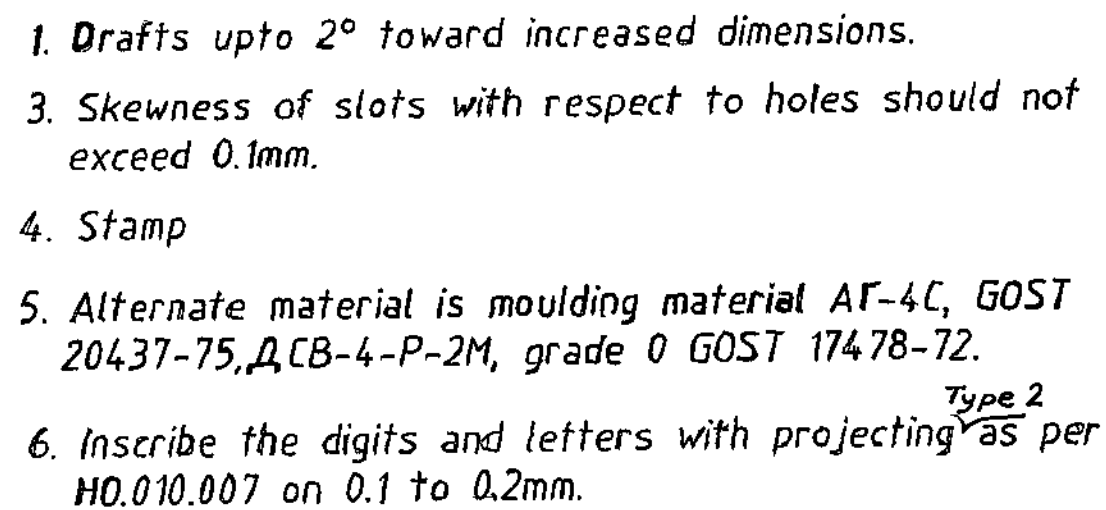
LUG

HG 0 775 000TY

Band $\Lambda 63-M-H-0,5$

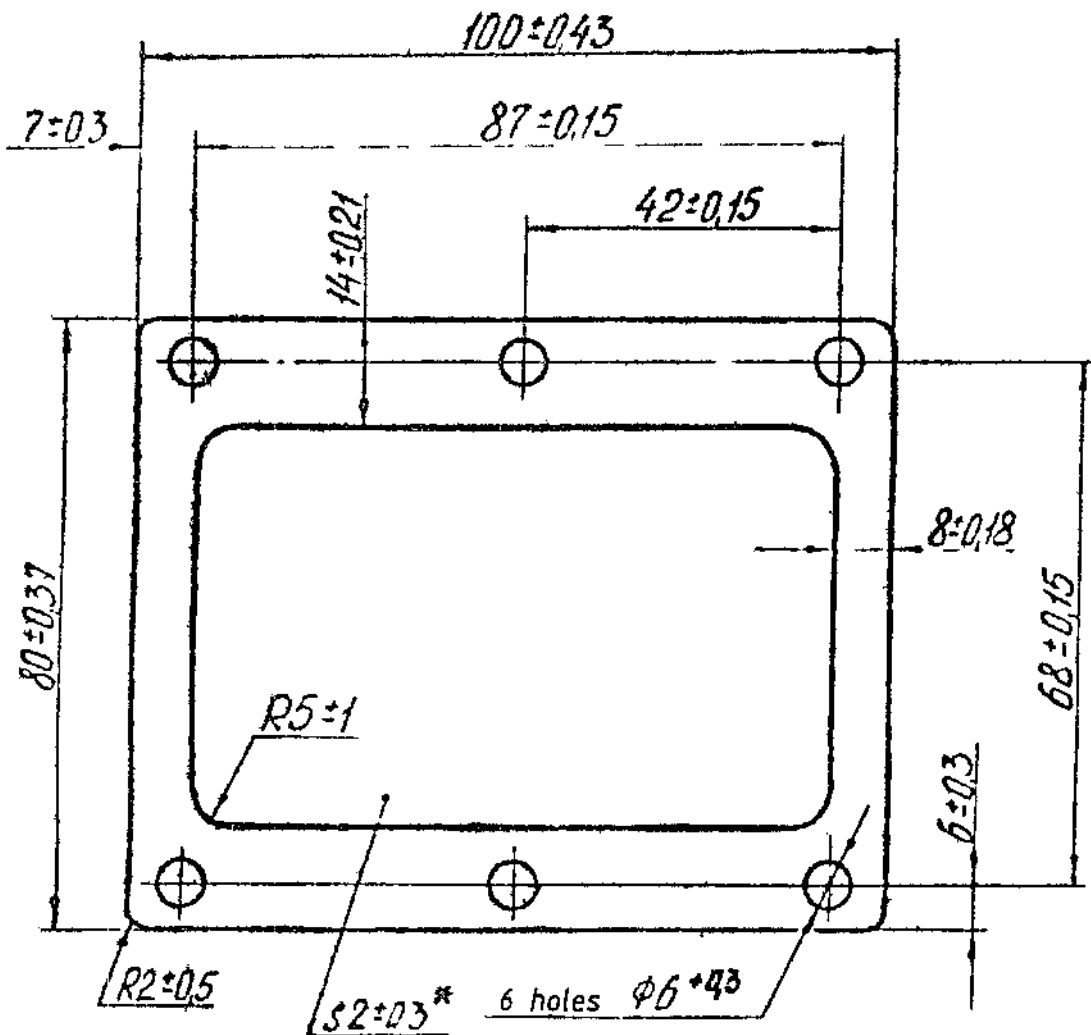
GOST 2208-70

SHEET	WEIGHT	SCALE
01/12	5.1	
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		



BOARD	SHEET	WEIGHT	SCALE
	5	0.025	1:1
	TOTAL SHEETS		
Moulding material AF-4B GOST 20437-75	ORDNANCE FACTORY PROJECT HYDERABAD		

800'91V



- 1 Alterante material sheet 25-4311-2 Ty005216-75, is allowed
rubber 4326-1
to use sheets as per Ty38005838-70
- 2 *Dimension is given for reference other requirements
are provided with tool
- 3 Other technical requirements are as per Ty005216-75



KT6.008

SN	SHY	DOC NO	SIGN	DATE
DRAWN	N	Yesudas	<i>[Signature]</i>	22.12.84
EDT/CHKD	B	Sankar	<i>[Signature]</i>	21.12
F/M, DC	S.R.	Nair	<i>[Signature]</i>	18.1.85
DIV OFFR	A.K.	KUNDU	<i>[Signature]</i>	15.2.85

GASKET

Rubber 98-1
Ty005216-75

SHEET	WEIGHT	SCALE
5	10 g	1:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

Восстановлен с подлинника

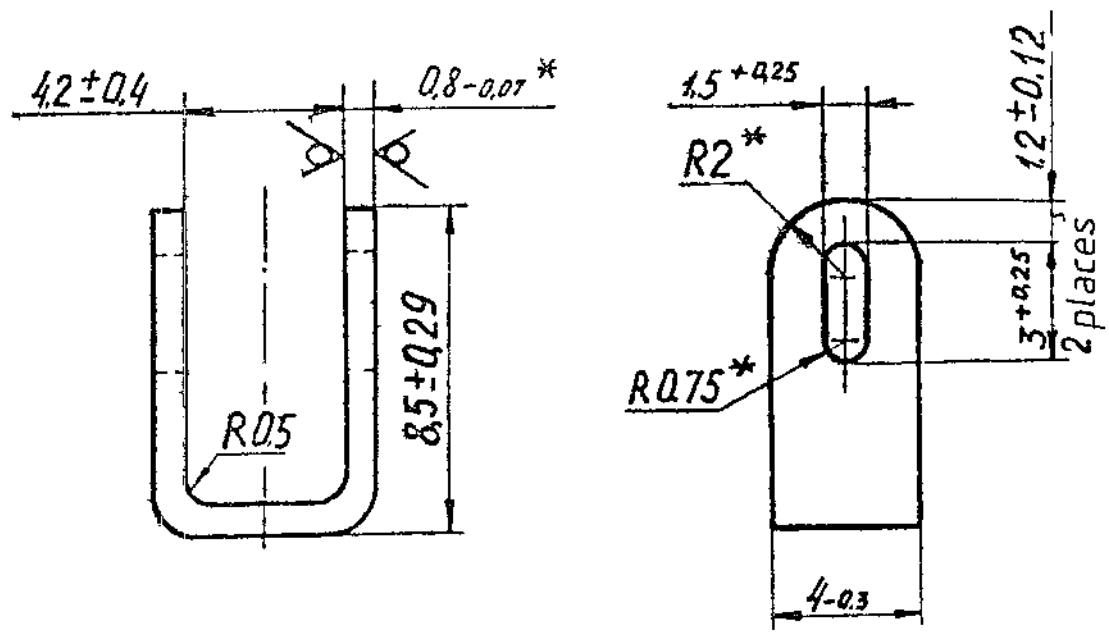
Верно:

KT-6

77 12388

KT6.023

Rz 80 ✓



1. *Dimensions are given for reference.
2. Coating: Cadmium, 12 microns.

92
I-615

ЕСКД

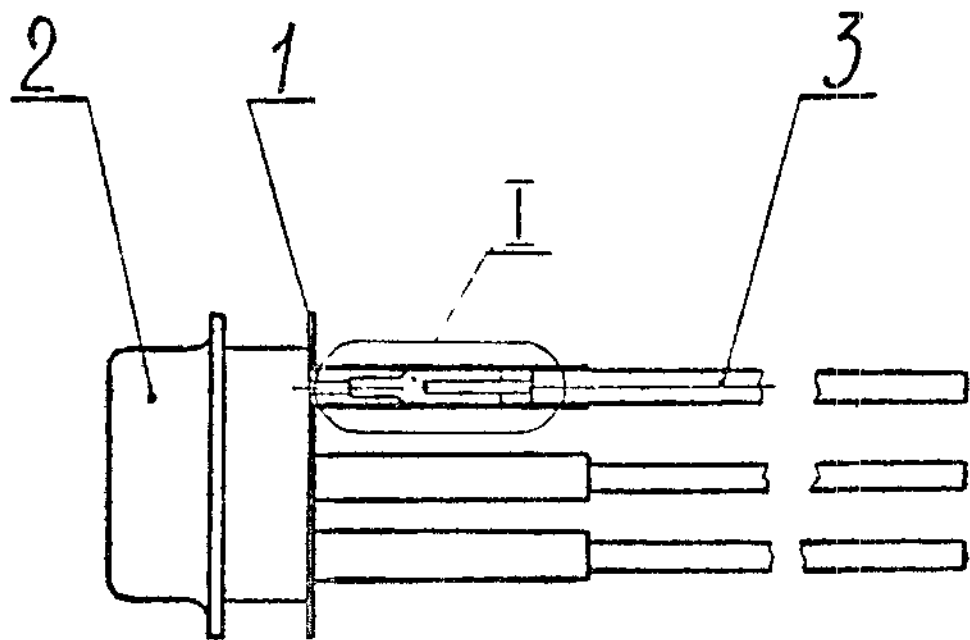
KT6.023

SHEET				WEIGHT		SCALE	
DRAWN				N Yesudas		0.53g 5:1	
EDT,CHKD				A.K. Kundu		TOTAL SHEETS	
F/M,DC.				S.R. Nair		ORDNANCE FACTORY	
DIV.OFFR				A.K. Kundu		PROJECT	
NAME				SIGN		HYDERABAD	
DATE				DATE			

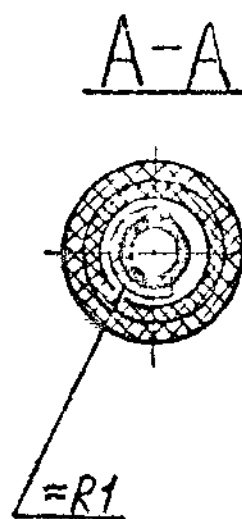
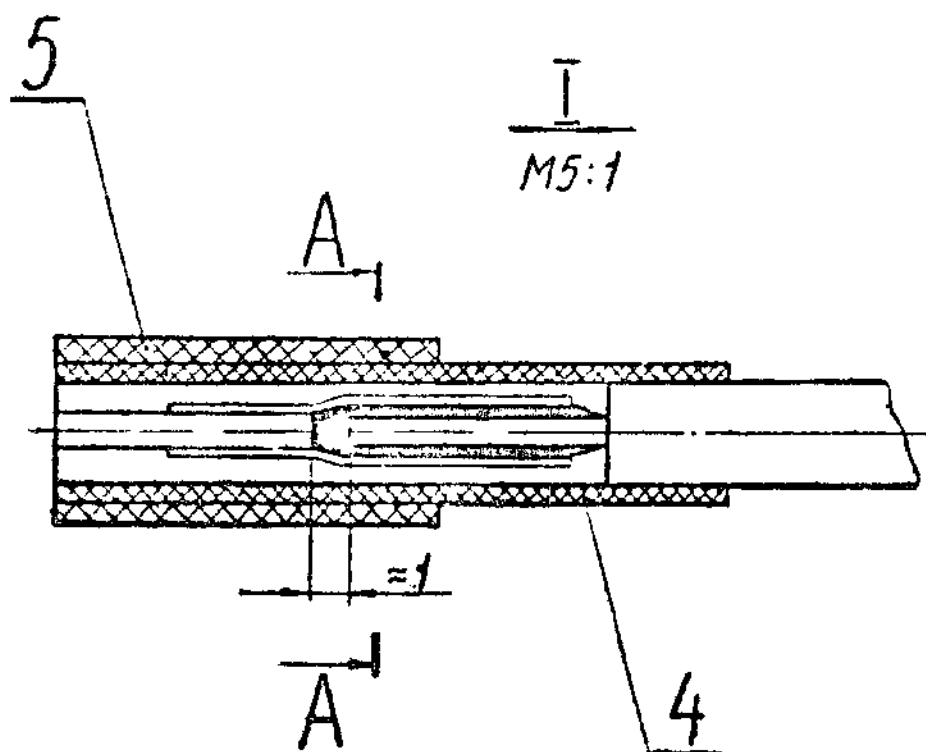
LUG

Band АПРМ 0 8HД Л63
GOST 2208-75

KT6.090CB



- 1 Thickness of pack of parts RefNo1 is 65 to 100mm
- 2 Use solder ПОВ50-18 GOST21930-76 with flux ФКН ОСТ 4 Г0.033 000
- 3 Bend plane portion of leads of transistors, Ref, No 2 in the form of chute
- 4 Perform wiring in compliance with requirements of technical specifications ЧЗ 365 012Y and instructions 41-80.



58
I-615

58
I-615

ЕСКД

KT6.090 CB

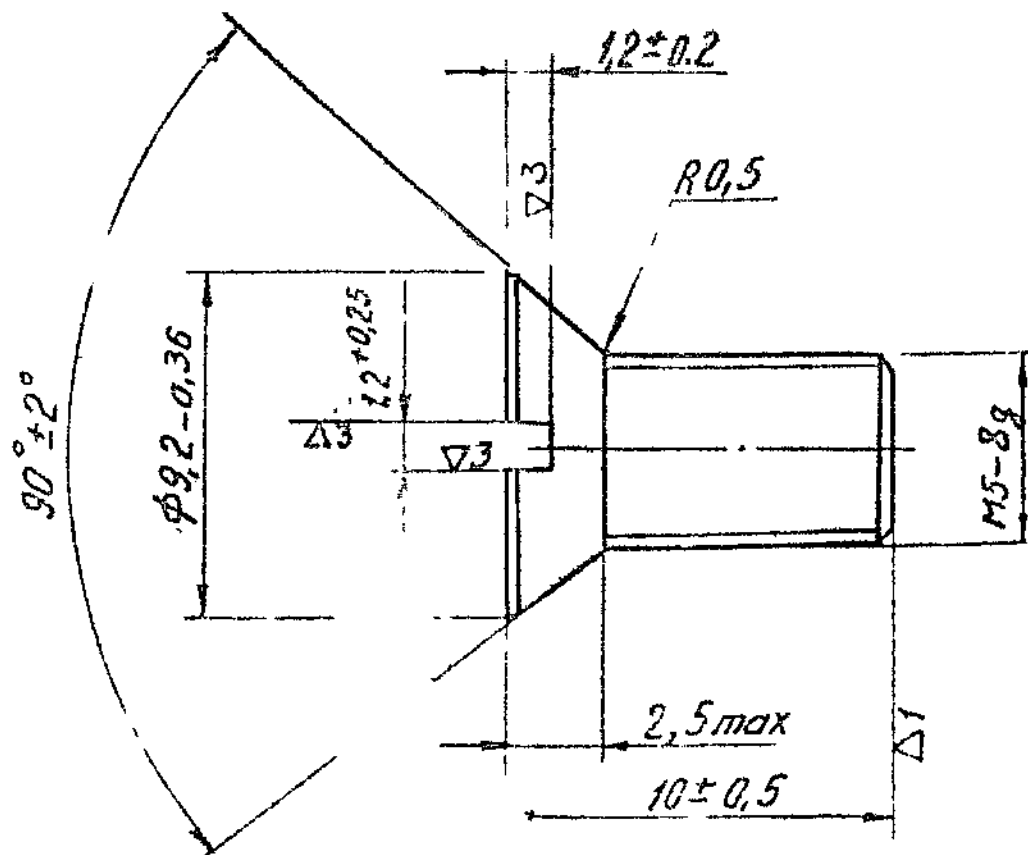
SNOSH	DOC NO	SIGN	DATE
DRAWN	S.Gopal	S.Gopal	22/12
EDT,CHKD	D.K.JAIN	D.K.JAIN	28.12.85
F/M,DC	S.R.Nair	S.R.Nair	18/85
DIV.OFFR	A.K.KUNDU	A.K.	16.12.85
	NAME	SIGN	DATE

SHEET/WEIGHT/SCALE		
6	152	1:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABA		

TRANSISTOR
ASSEMBLY DRAWING

M11-41872

▽4(▽)



Designation	*	Coating
M11-41872	D16	Zinc-plated, 6 microns thick, chromating Composition of solution for chromating is as per V-252-78.

1 Maximum misalignment of axes of head and slot with respect to axis of body is 0.3mm

2 Technical requirements are as per GOST 1759-70

Copy is taken from GOST 17475-72

149
I-615

M11-41872

NO	SH	DOC NO	SIGN	DATE
DRAWN		PRASAD	Prasad	24.12.84
EDT,CHKD		AKUNDU	AKUNDU	24.12.84
F/M,DC		S. R. NAIK	S. R. NAIK	16.1.85
DIV,OFFR		A. K. KUNDU	A. K. KUNDU	15.2.85
		NAME	SIGN	DATE

SCREW M5x10 36
GOST 17475-72

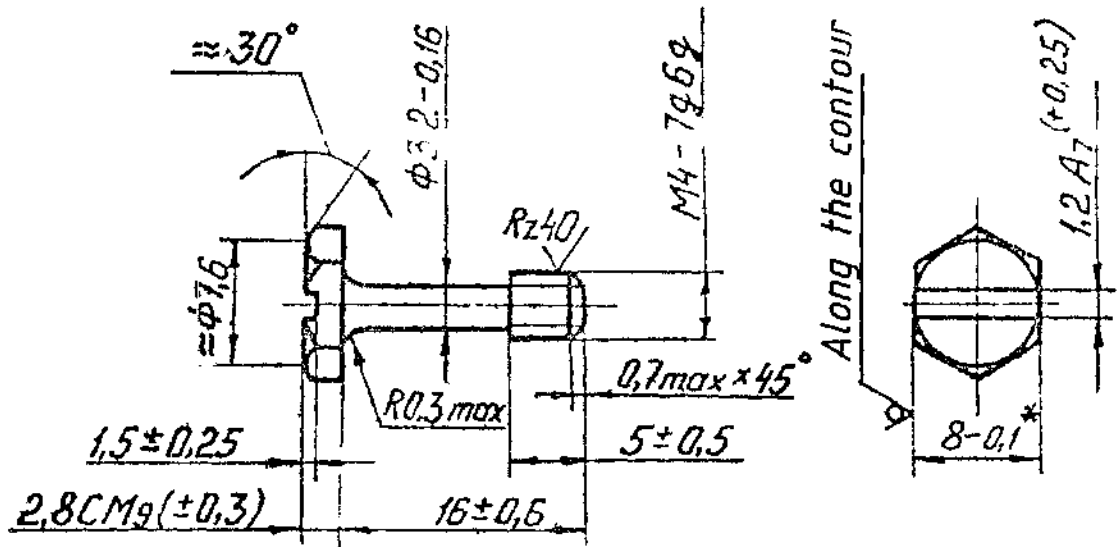
Steel 10 GOST 1050-74

SHEET	WEIGHT	SCALE
6	1.692	5:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

P6T.135

Rz80 ✓ (✓)

PIUIM-9.000



DESIGNATION	COATING.
P 6T.135.	Zinc-plated, 6 microns thick, chroma- tizing. Composition of solution for chromatizing is as per V-252-78.

1. Alternate material is steel 10, steel 15, GOST 1050-74.
2. * Dimension is given for reference.
3. Blunt ribs $R \approx 0.5 \text{ mm}$
4. Maximum mis-alignment of head and slot axes with respect to body axis is 0.3 mm.

112
I-615

P6T.135

NO	SHT	DOC NO	SIGN	DATE
DRAWN		R.H. PRASAD	<i>[Signature]</i>	24.12.84.
EDT, CHKD		D. K. JAIN	<i>[Signature]</i>	29.12.84
P/M, DC		S.R. NAIR	<i>[Signature]</i>	18.1.85
DIV. OFFR		A.K. KUNDU	<i>[Signature]</i>	15.2.85
		NAME	SIGN	DATE

SPECIAL BOLT.

SHEET	WEIGHT	SCALE
1	2.5g	2:1
ORDNANCE FAC PROJECT HYDERABAD		

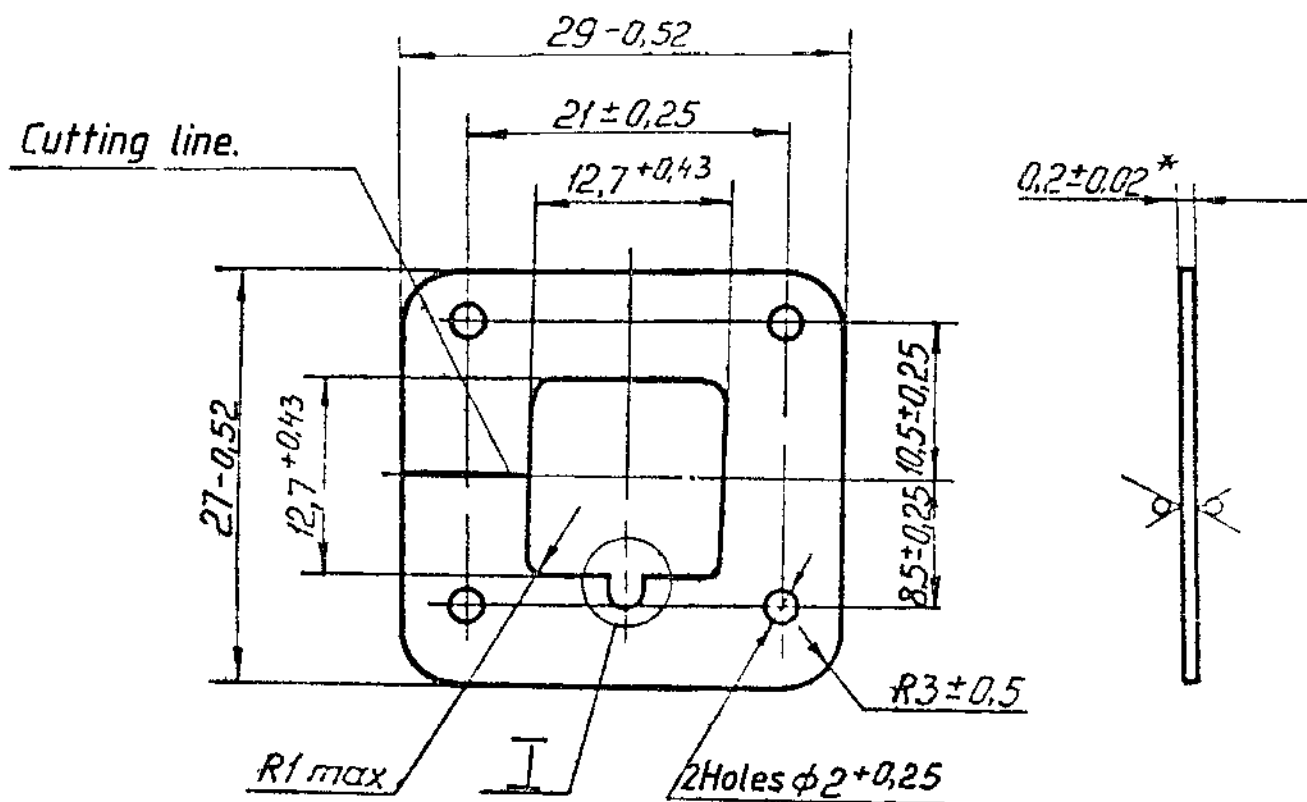
Hexahead bar 8-4 GOCT 8560-78.
A12-H-B GOCT 1414-75.

Восстановлен с подлинника. Верно.

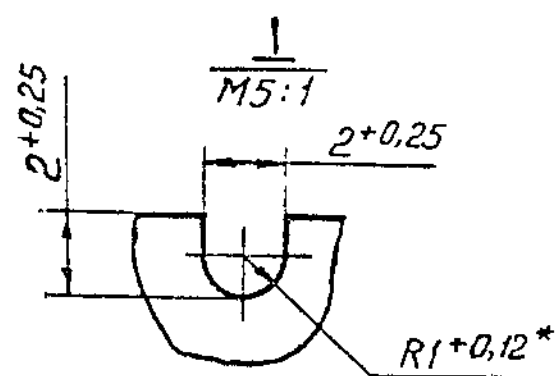
6179 7959

P6T.156

P10T.019



1. * Dimensions are given for reference.



115
I-615

ЕСКД

P6T.156

DESIGNATION.	COATING.	PERMISSIBLE COATING.
P 6 T.156	Varnish ГФ - 95 GOST 8018-70.	Varnish МЛ - 92 GOST 15865-70.

SHEET	DOC NO	SIGN	DATE
DRAWN	R.H.PRASAD.		24.12.84
EDT,CHK	D.K.JAIN		9.12.84
F/M,DC	S.R.NAIR.		18.1.85
DIV.OFFR	A.K.KUNDU		15.2.85
	NAME	SIGN	DATE

WASHER

Board 3BC 0.2
ГОСТ 2824-75.

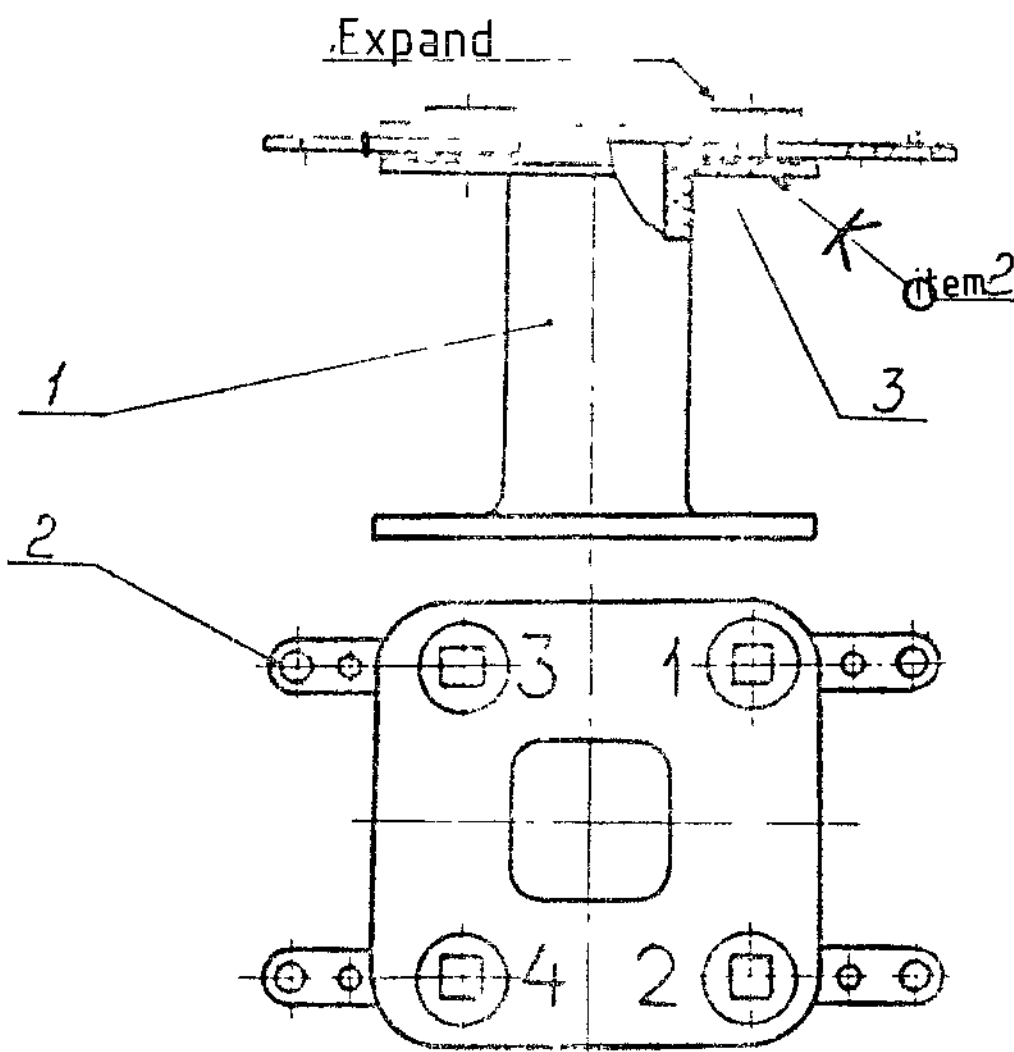
SHEET	WEIGHT	SCALE
5	0.00098	2:1
ROYAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

24233 (1100n.) 24.1.78 L 7908

P10T.019C5

Система учета и хранения документов № 2

P10T.019



1. Slipping of terminals, Ref No 2 is not allowed
2. Cement the washer, ref No 3 to the frame, Ref, No1. with adhesive БФ-4, GOST12172-74

65
I-615

ЕСКД

65
I-615

P10T.019C5

SN	DOC NO	SIGN	DATE
DRAWN	S.Gopal	S. Gopal	22/12
EDT, CHKD	D.K. JAIN	D.K. JAIN	28/12/85
F/M, DC	S.R.Nair	S.R. Nair	18/1/85
DIV. OFFR	A.K. KUNDU	A.K. Kundu	16.2.85
	NAME	SIGN	DATE

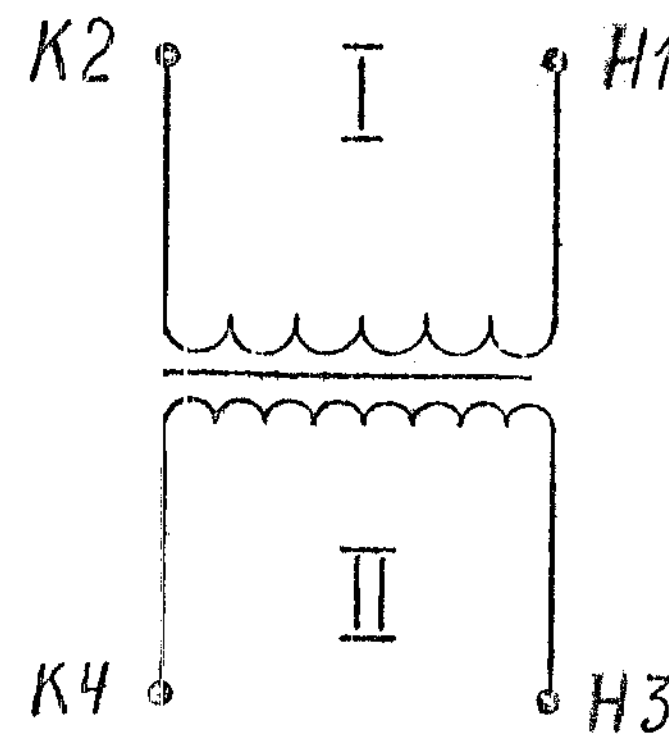
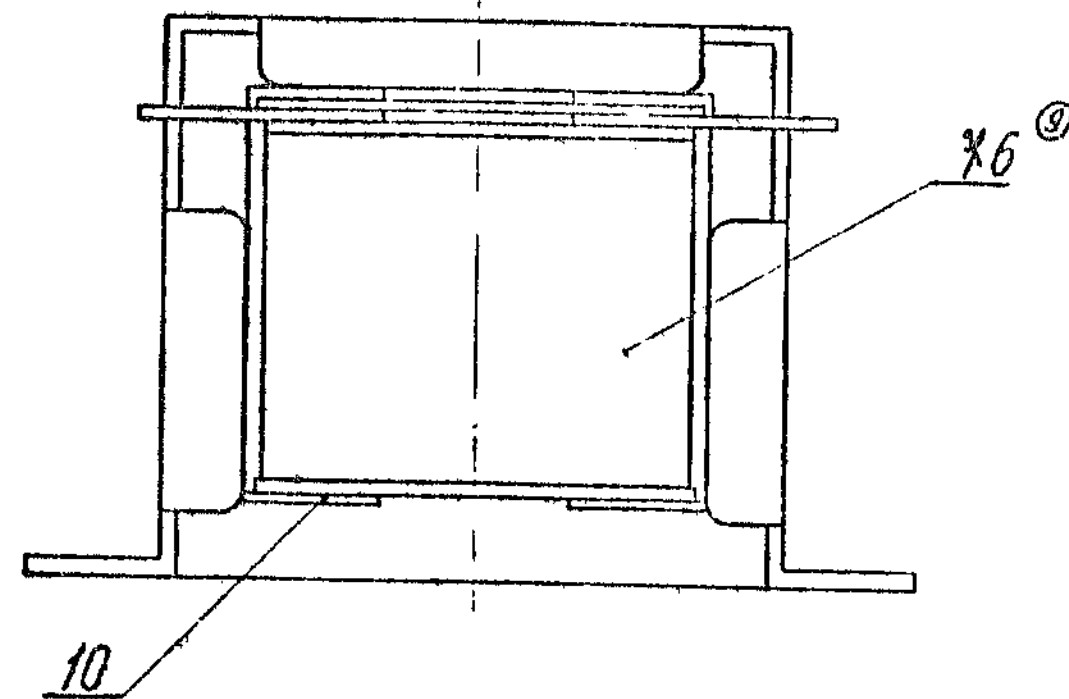
FRAME
ASSEMBLY DRAWING

SHEET	WEIGHT	SCALE
5		2:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

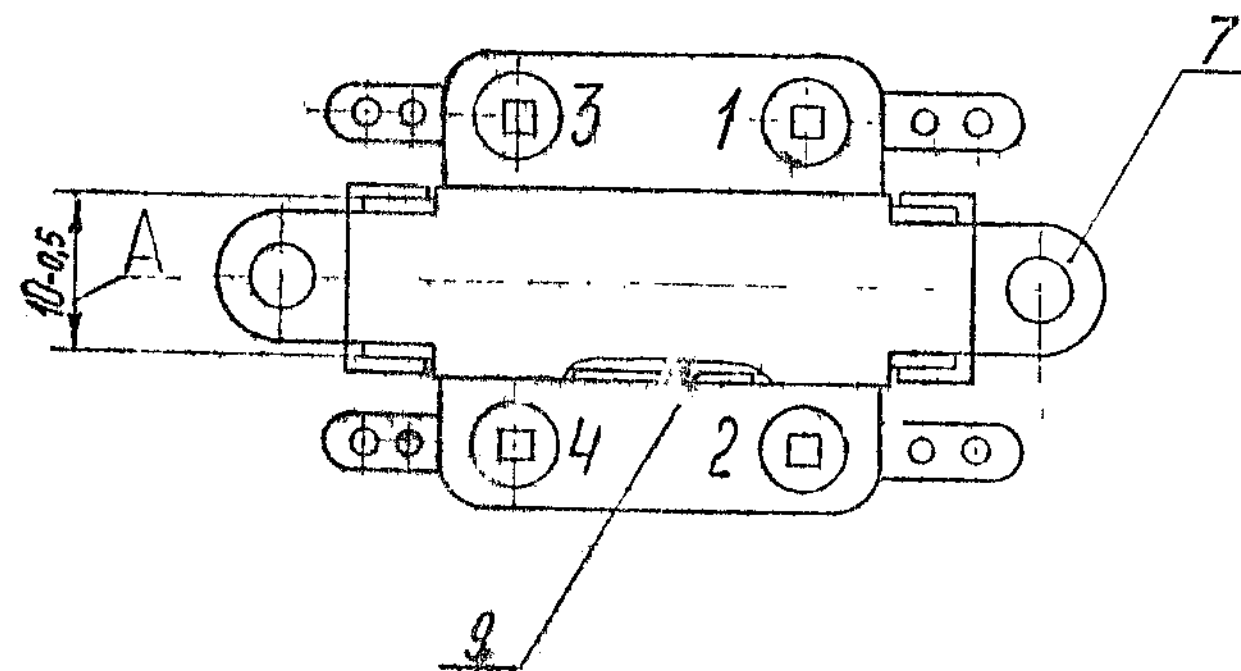
Восстановлен с подлинника №1 Верно

18/1854

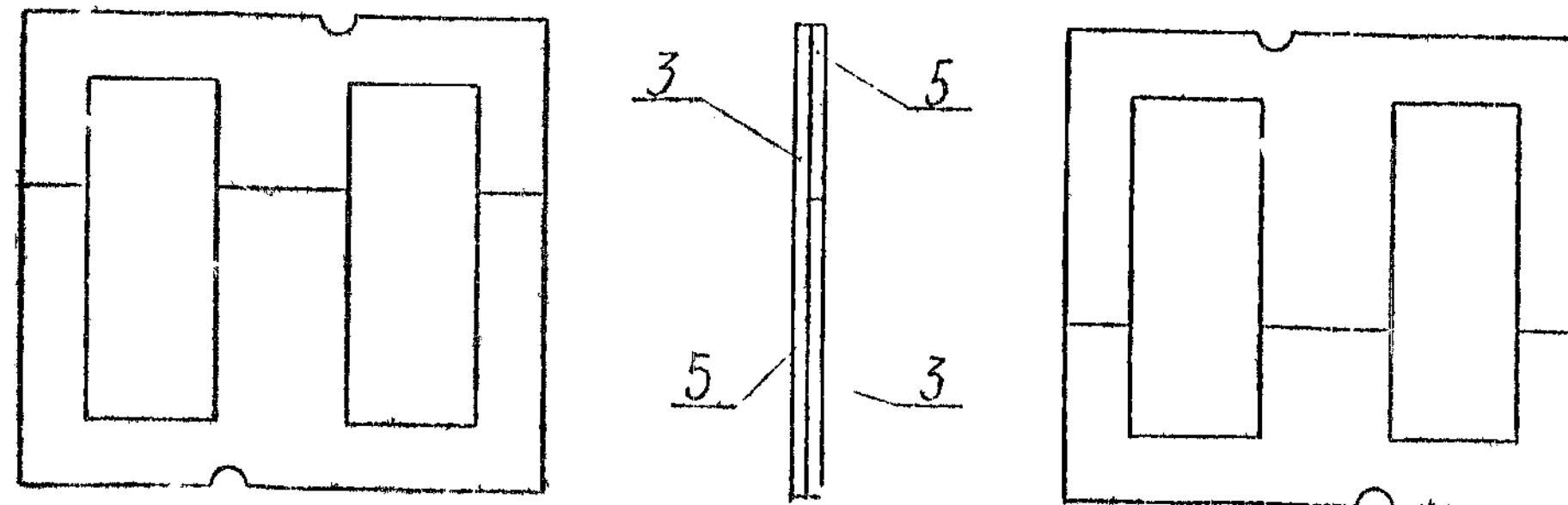
① Winding diagram.



1. Provide dimension A with by using required quantity of parts, Ref, No 35 If there is gap between the iron and frame eliminates it with wedge Ref No.9.
2. Axial shifting of coil is not allowed eliminate shifting if any with gasket, Ref No 10 on adhesive ϕ -4 GOST 12172-74
3. After assembly of iron press the clamp, Ref No, 7 and all units two times coat allows with varnish π -730 GOST 20824-75 In doing so protect the lugs to be soldered from varnish coating
4. Insulation between the winding and body should with stand the break down voltage of 500V, 50HZ for 1sec.
5. Insulation resistance between the winding and between each winding and body should be not less than 100 megaohms in normal climatic conditions
6. Open circuit current of secondary winding should not exceeding 10mA. at test voltage of 40V, 400Hz
7. Other technical requirements are as per Ty OAT.599.004.



② Assembly of core stack



Data for winding				
No of windings	No of terminals	No of turns	Grade and diameter of wire	Resistance of winding, ohms.
I	1-2	30-1	π 31 ϕ 116	
II	3-4	2000 ⁺⁵⁰	π 3 B-2 ϕ 0.1	230 $\pm$ 10

P10T 027C5

SN/SH/DOC NO	SIGN	DATE
DRAWN	S Gopal	22/12
EDT/CHKD	D K JAIN	28/12/83
F/M, DC	SR Nair	18/1/84
DIV. OFFR	A. K KUNDU	16/2/84
NAME	SIGN	DATE

TRANSFORMER
ASSEMBLY DRAWING

SHEET/WEIGHT/SCALE

2/1

TOTAL SHEETS

ORDNANCE FACTORY
PROJECT
HYDERABAD

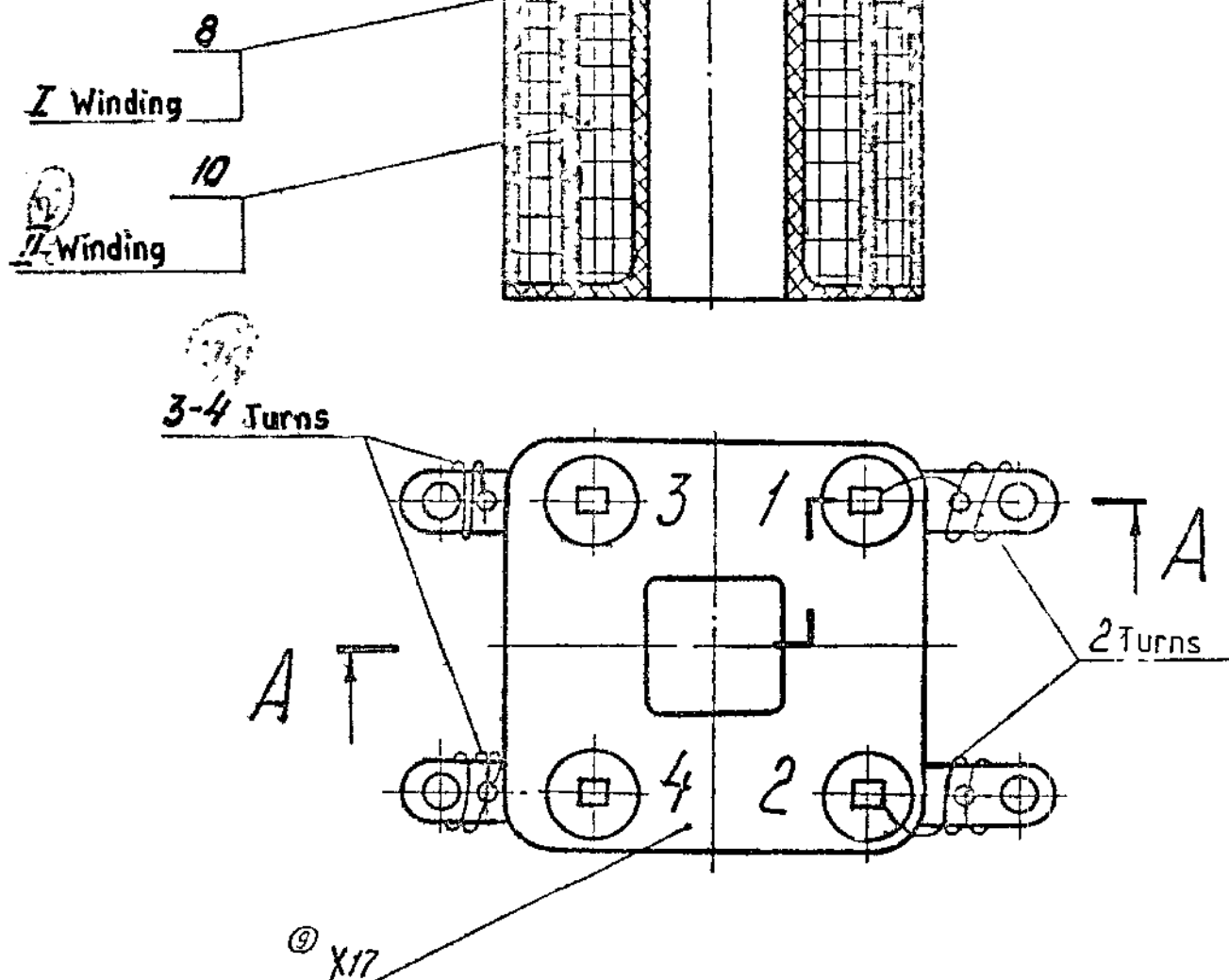
72/
1-615

P10T 028

Sheet
4

P10T.028 C5

A-A



1. Carry out the winding II first 2 to 3 turns with wire, Ref No,9 then 2000+50 turns with wire ref No,10 and at the ends,10 to 12 turns with Ref No 9
2. carryout soldering using solder ПОССY-40-2 GOST21930-76 with flux фКCn OST4 TO 033 000. Insulate soldered joints of windings with wireleads usial gasket,Ref,No,3
3. Winding are insulated from each other with gasket,Ref No,6
4. Beginning and ends of windings should be lead out through holes in washer and to the lug as per diagram
5. Insulate the out side of coil with double layer of gasket Ref,No 5 Cement the ends of gasket with adhesive ф-4, GOST12172-74 and secure with threads Ref No 14
6. Wind the windings counter clock wise as viewed from the side of marking
7. Lay papers, Ref,No,11. between the layer of winding I with overlap of one fourth of a turn
8. Protection of coil with respect to frame not exceeding 1mm, except the places for the transformer iron (from the side of terminals 1-2 and 3-4)
9. Insulate the ends of winding I with gasket, Ref No 4
10. Wire ПЭТБ-2 0 224. ПЭТБ-2. 1.18 OST160 505 00180 is allowed instead of wires Ref,Nos,8,9 respectively

Diagram	No of windings	No of terminals	No of turns	Grade and diagram of wire	Resistance of windings ohms at 20°C
	I	1-2	30-1	ПЭЛ-118	
	II	3-4	2000+50	ПЭТБ-2-01	230 ± 10 20

73
I-615

P10T.028 C5

SN	SH	DOC NO	SIGN	DATE
DRAWN		S Gopal		24/12
EDT,CHKD		D K JAIN		29/12/81
F/M,DC		S R NAIR		18/1/82
DIV.OFFR		A.K.KUNDU		14/2/82
		NAME	SIGN	DATE

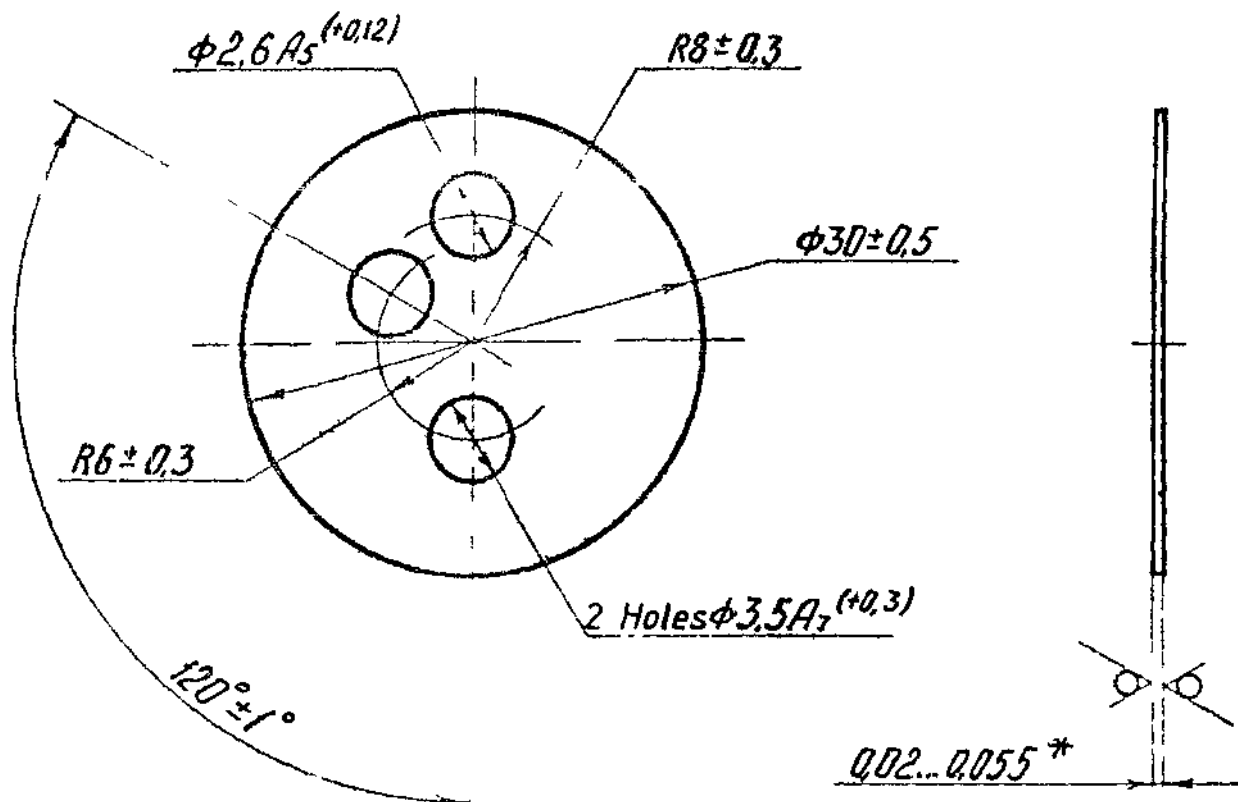
TRANSFORMER
COIL (Assy Drawing)

SHEET	WEIGHT	SCALE
5	0.1	2:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

12/1 AM/11/6202/81

P10T 125

P10T.340



1. Alternate material is mica Cφ GOST 7134-64.
2. * Dimension is given for reference, other dimensions are provided with tools which are periodically checked not less than once quarterly.
3. Stamp K on seal of packing

107
I-615

ЕСКД

P10T.125

SN	SH	DOC NO	SIGN	DATE
DRAWN	R.H.PRASAD.			22.12.84.
EDT,CHKD	D.K.JAIN			29.12.84
F/M, D.C.	S.R.NAIR.			18.1.85
DIV.OFFR	A.K.KUNDU			15.2.85
	NAME	SIGN	DATE	

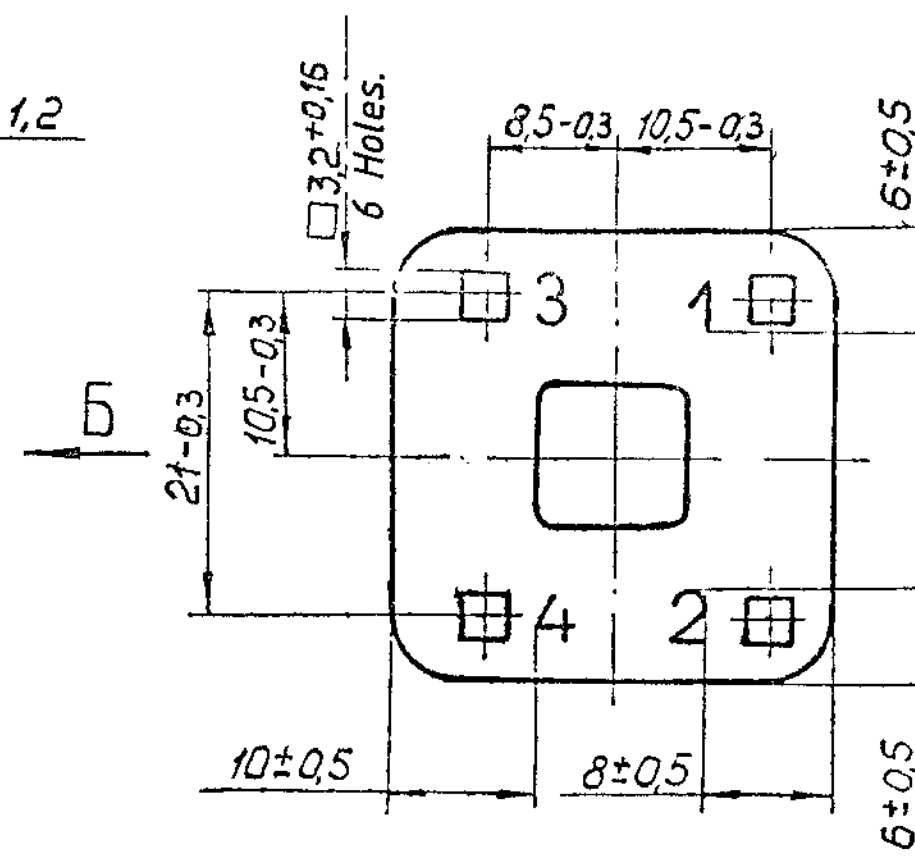
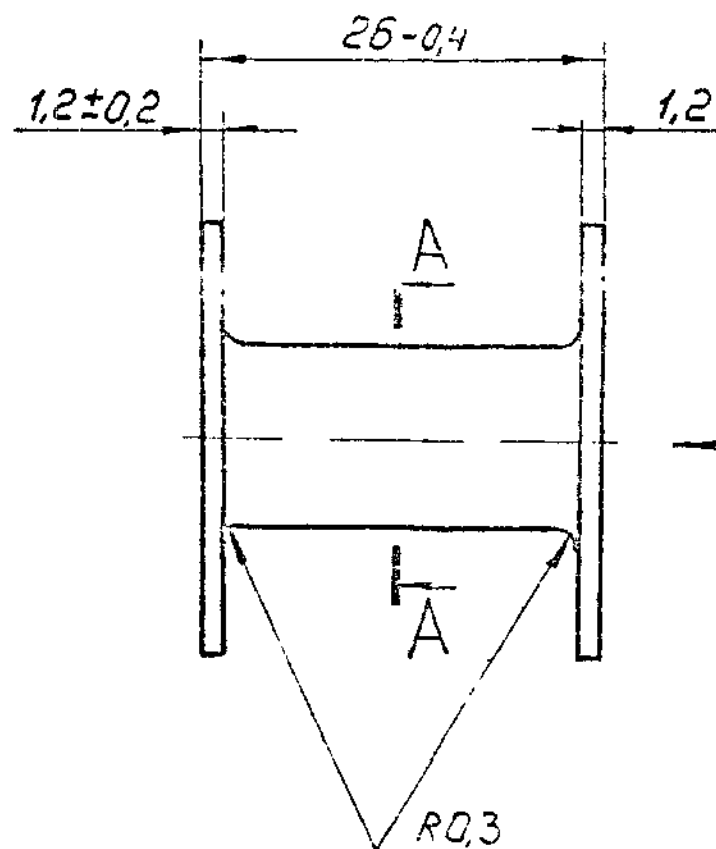
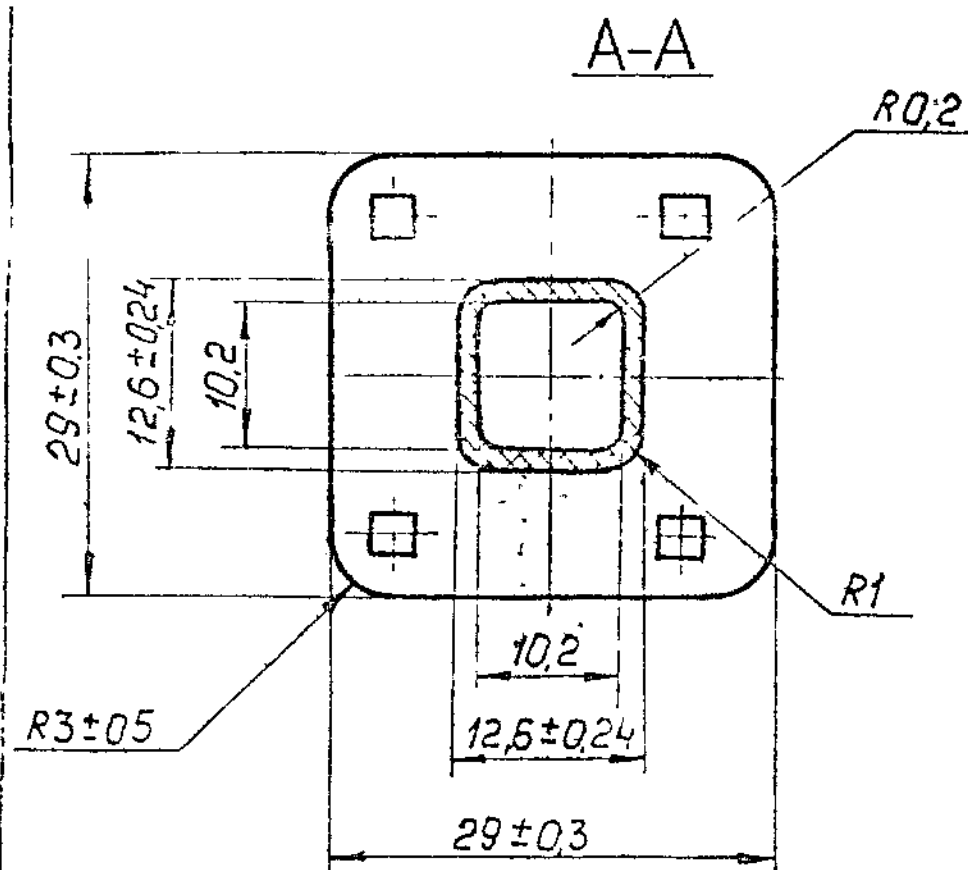
GASKET

Mica CO GOST 7134-64.

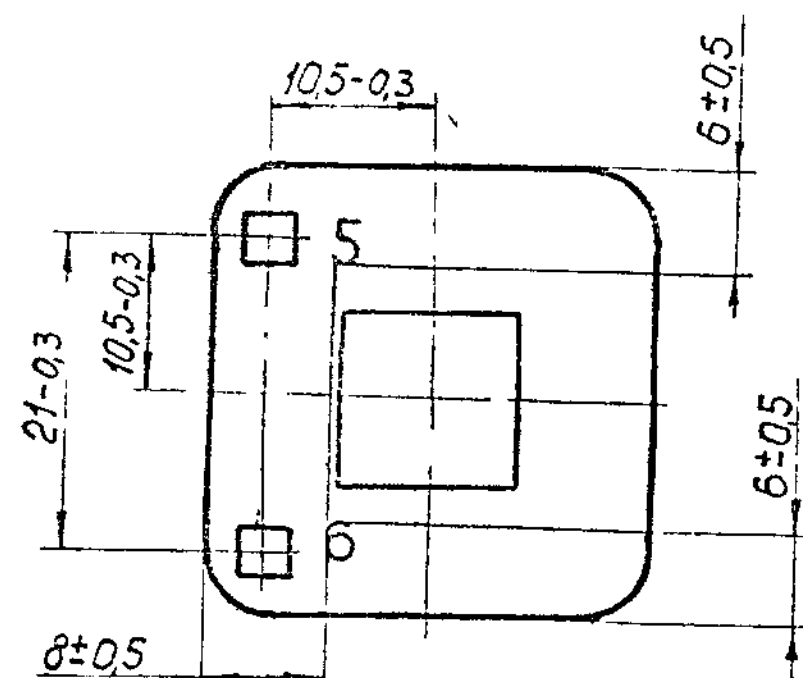
SHEET	WEIGHT	SCALE
B	0.093gms.	2:1
TOTAL SHEETS		
ORDNANCE FACTORY		
PROJECT		
HYD. LAB.		

885

P10T129 1-2



View B.


$$\frac{108}{J.615}$$

- 1 Tolerance on free dimensions is as per accuracy class 7.
3. Provide digits with type 4 as per H0.010.007, digit height is 0.5mm.
4. Digits 5 and 6 may be applied with enamel MC-17, grey TY 6-10-1012-78 with type 4 or 5 as per H0.010.007.
6. Drafts 1° towards increased dimension, those on dimension 10.2 are within the limits of tolerance.
7. Other requirements are as per OST B 84-1602-78.

P10T.129 1-2

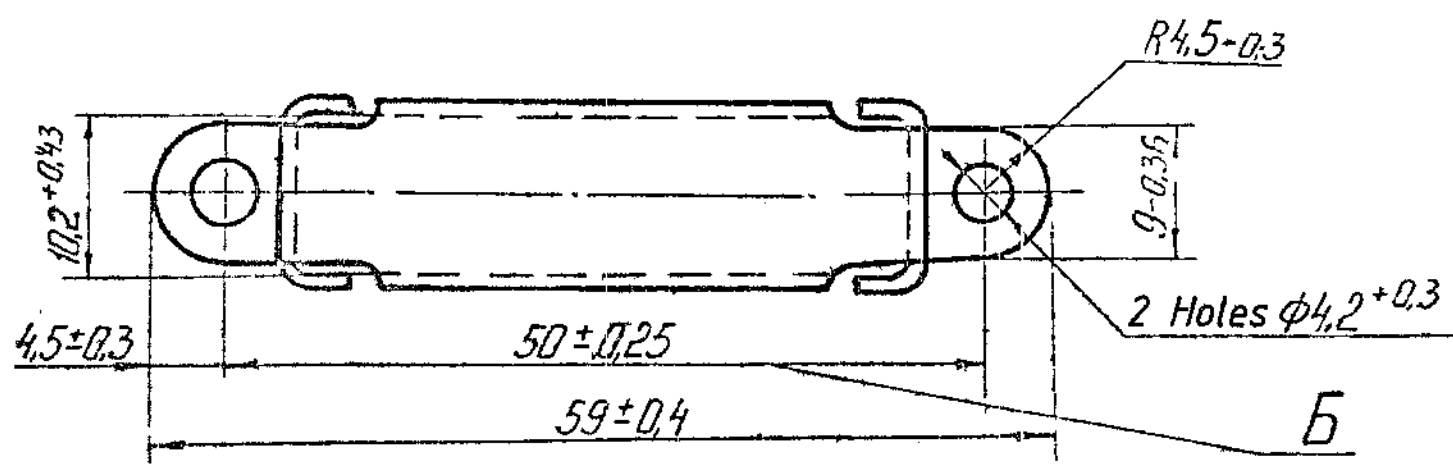
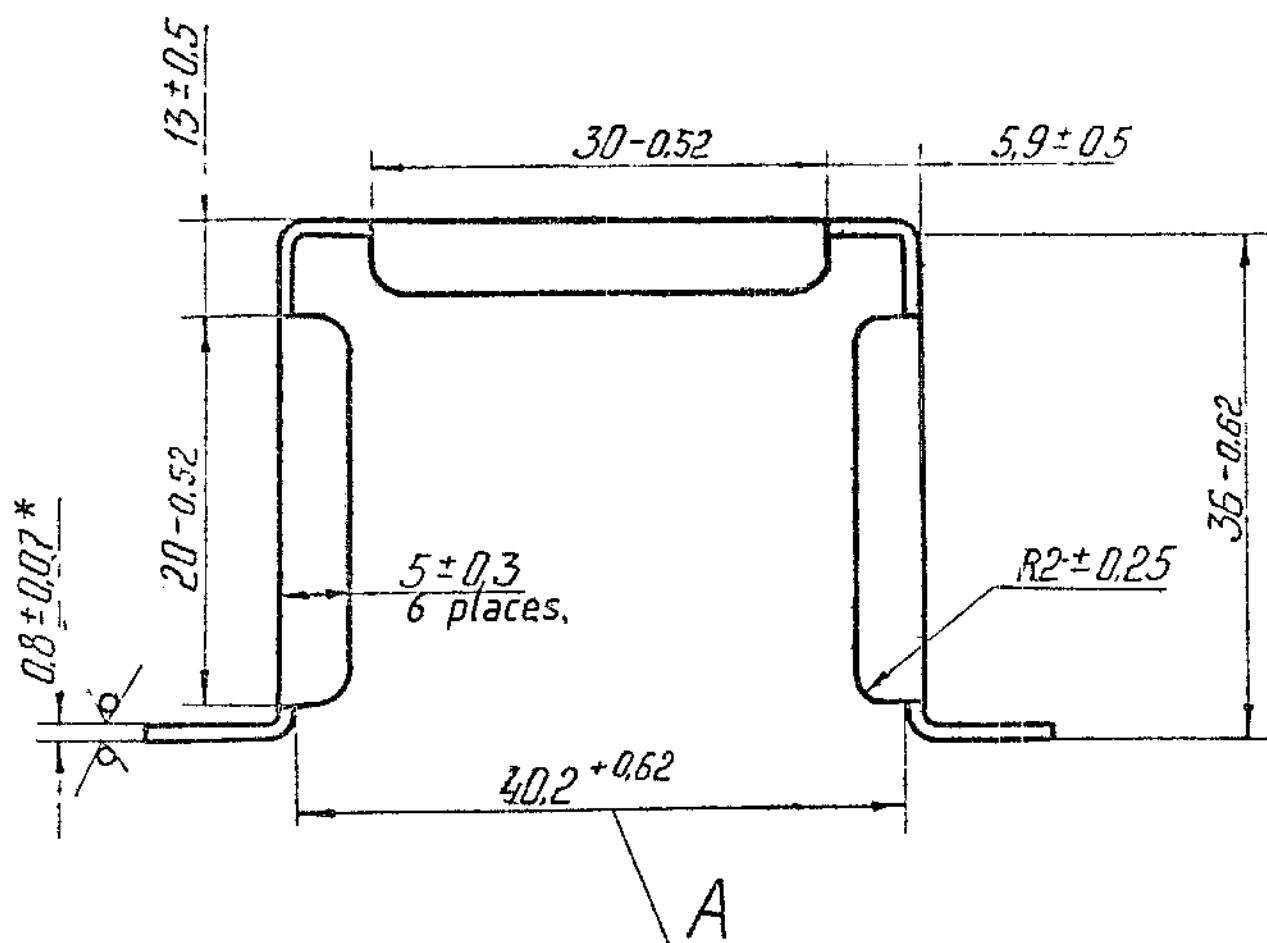
DESIGNATION.	K - BO	REMARKS.
P 10 T.129.1	4 holes  3.2 ^{+0.16}	Without view B.
P 10 T.129.2	6 holes  3.2 ^{+0.16}	With view B.

SNOSHT	DOC NO	SIGN	DATE
DRAWN	R.H.PRASAD.		22.12.84
EDT, CHKD	S. K. JAIN		29.12.88
F/M, D.C.	S.R. NAIR.		18.1.85
DIV. OFFR	A.K. KUNDU	etc.	15.2.85
	NAME	SIGN	DATE

FRAME	SHEET		WEIGHT		SCALE
	1	5	3,32	2,1	
	TOTAL SHEETS				
Polyimide 610, casting, highest grade OCT 10589-63.			ORDNANCE FACTORY PROJECT HYDERABAD		

Rz 320
✓(✓)

1. Alternate material is sheet B 0.8 GOST 19904-74.
II-87-08 Kn GOST 9045-70.
2. Bending radii $R 0.5 \pm 0.25 \text{mm}$.
3. Dimension B should be provided with dimension A.
4. * Dimension is given for reference.



DESIGNATION.	COATING
P10T.140	Zinc-plated, 21 microns thick, chromitized. Composition of solution for chromitizing is as per V-252-78.

SN	SH	DOC NO	SIGN	DATE
DRAWN		R.H. PRASAD.		26.12.84
EDT, CHKD		D.K. JAIN		29.12.84
F/M, DC		S.R. NAIR.		18.1.85
DIV. OFFR		A.K. KUNDU		15.2.85
		NAME	SIGN	DATE

P10T.140		
CLAMP	SHEET	WEIGHT SCALE.
	B	12.5gms. 2:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

Sheet B 0.8 GOCT 19904-74.
4-II-08 Kn GOCT 16523-70.

113
I-615

113
I-615
ECKD

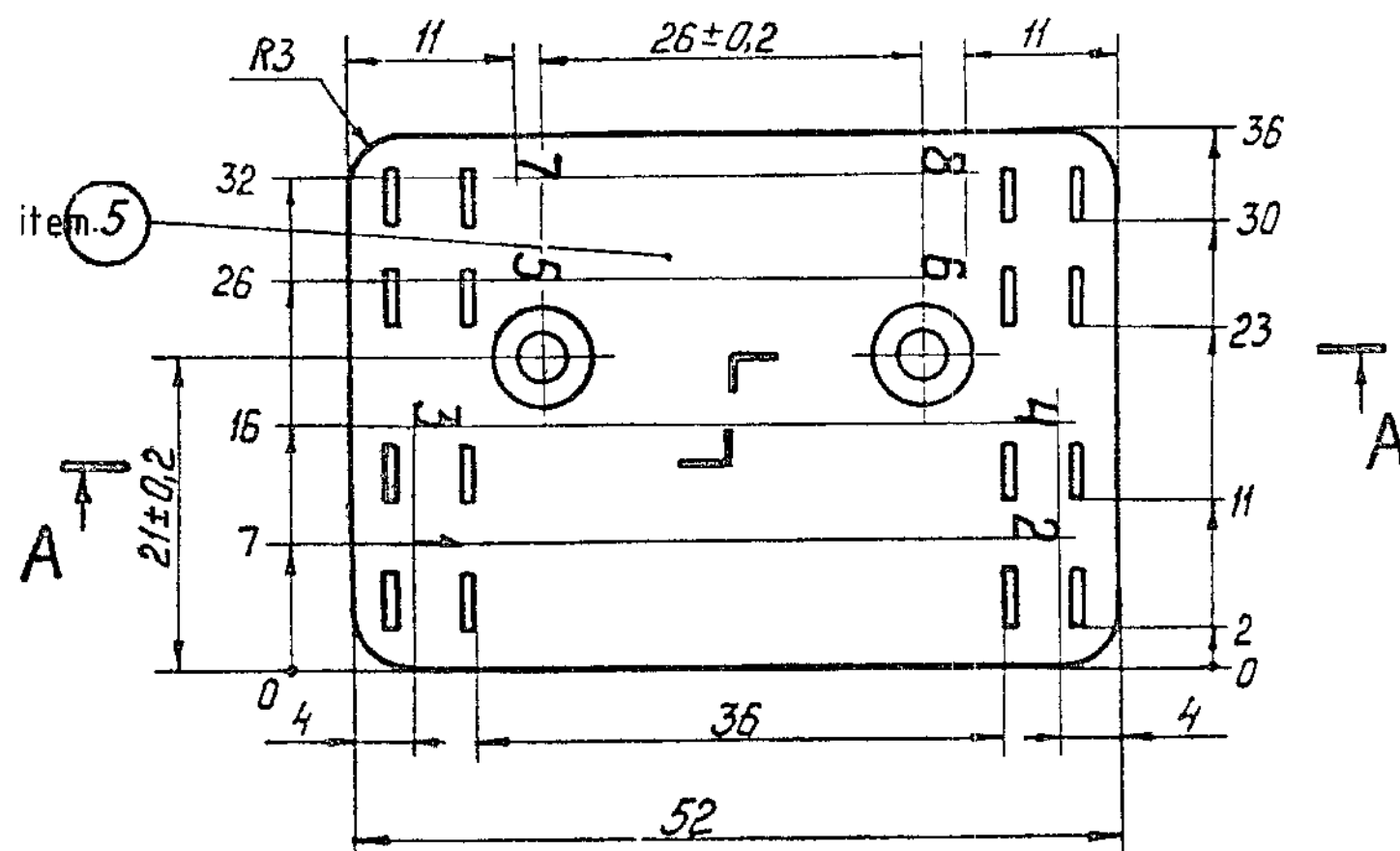
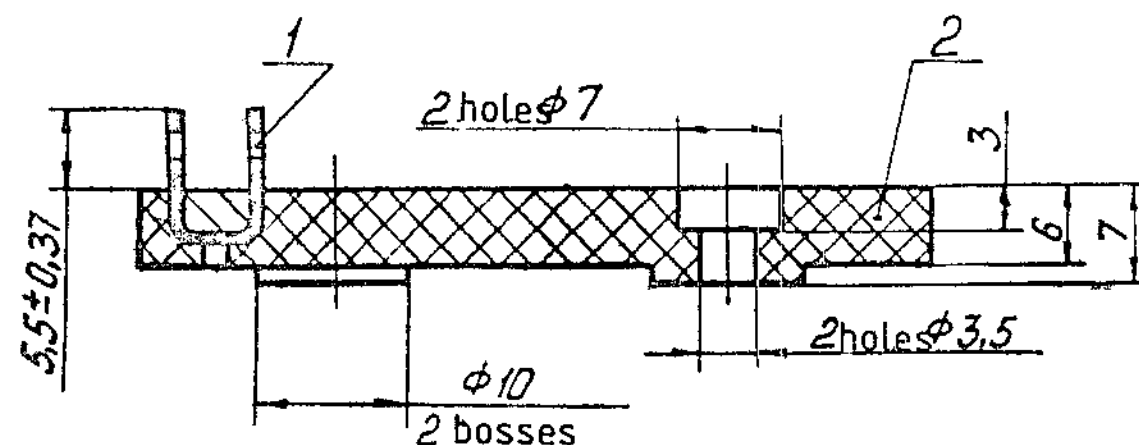
P10T.027

7903

25215

P10T.140

A-A



- 1 Unspecified limit deviations are as follows
for holes-as per A7, for shafts-as per B7, others $\pm 1/2$ of class 7
- 2 Drafts upto 3° to the side of increased dimensions,
for holes upto 1°
- 3 Auxiliary holes $\phi 2$ mm are allowed against lugs, Ref, No1
- 4 Inscribe the digits with type 3 as per HO 010 007
- 5 Mark the serial number of seat with type 2 as per HO 010 007
- 6 Other requirements are as per OST B 84-1602-78

75
I-615

ЕСКД

P10TM-4C2.140CB

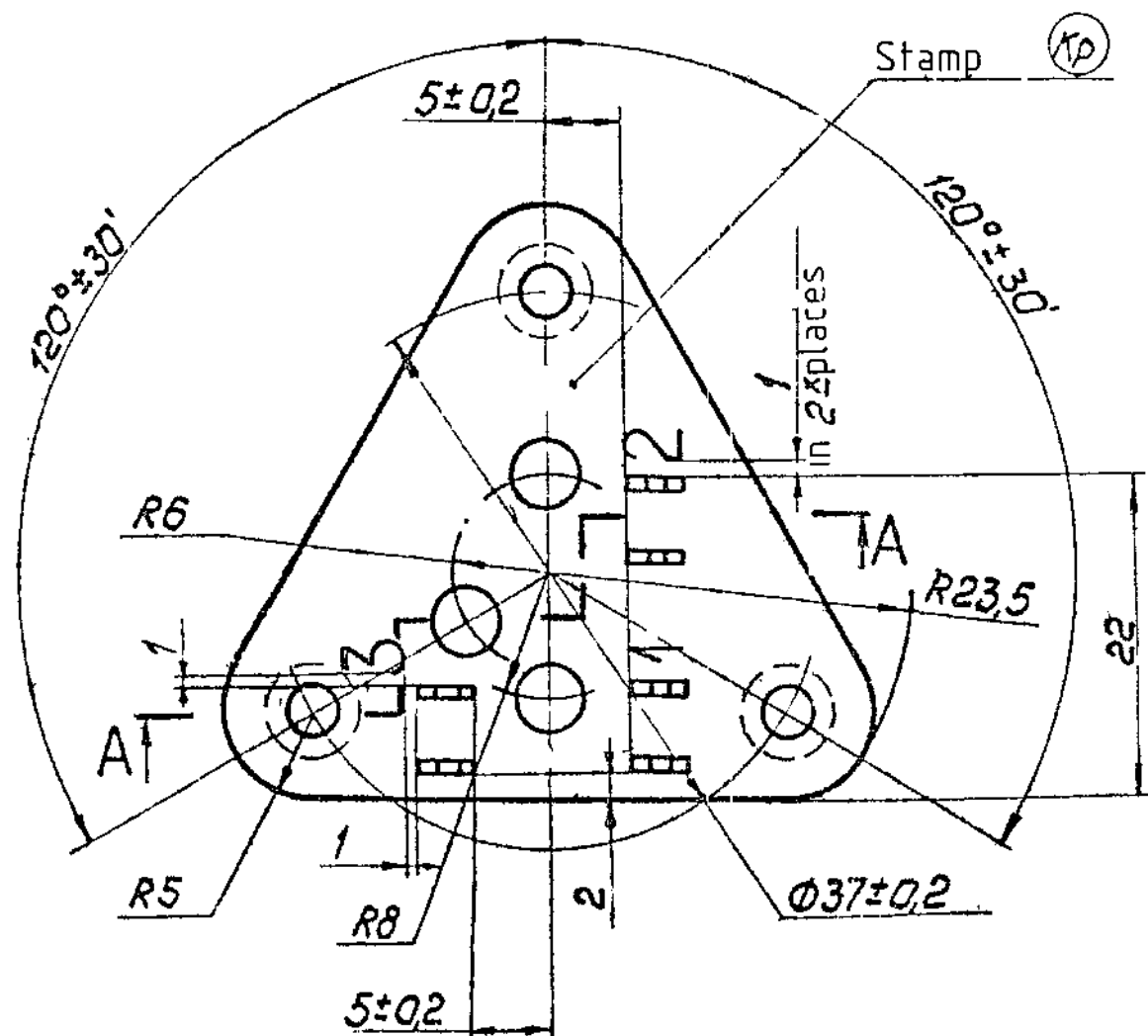
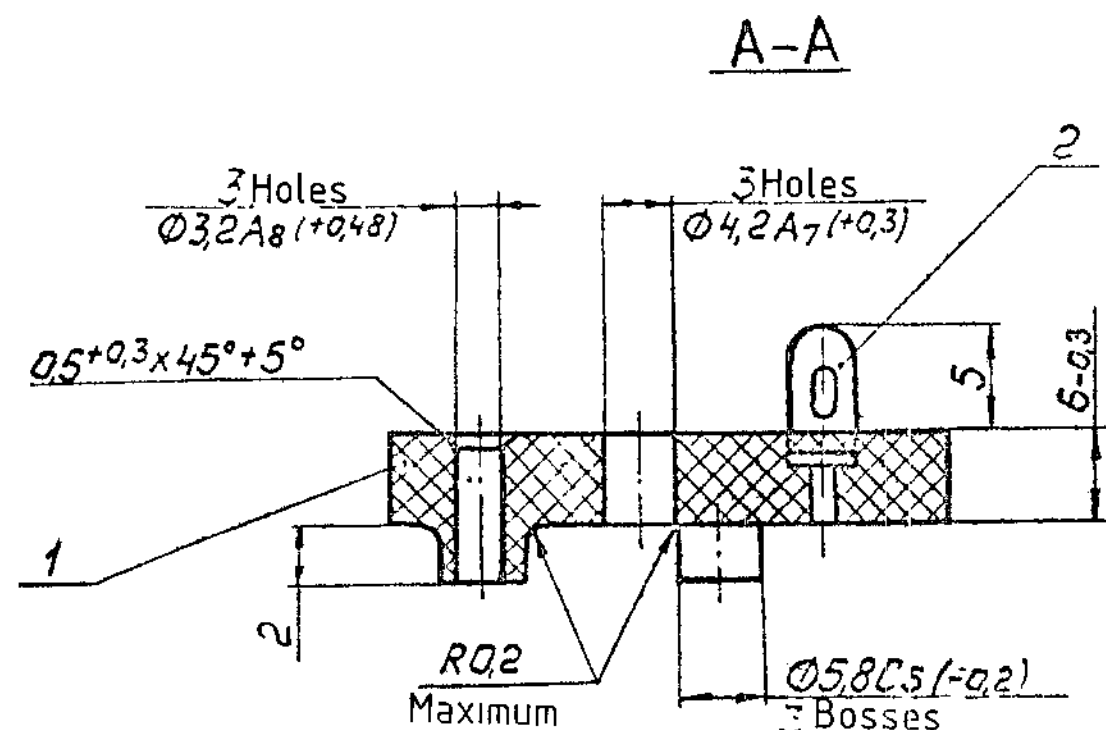
SN/SH	DOC NO	SIGN	DATE
DRAWN	SS Gopal	S. Gopal	22/12
EDT,CHKD	D.K. JAIN	D.K. Jain	29/12/85
F/M,DC	S.R Nair	S.R. Nair	18/1/85
DIV.OFFR	A.K. KUNDU	A.K. Kundu	16/2/85
	NAME	SIGN	DATE

BOARD

(ASSEMBLY DRAWING)

SHEET	WEIGHT	SCALE
	0.018	2:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

DL2 100d



- 1 Tolerance for free dimensions are $\pm 0.3\text{mm}$,
- 2 Drafts upto 2° towards increase of body, and in holes are with in the limits of tolerance
- 3 Unspecified external and internal radii are $R0.3\text{mm}$
- 4 Hight of digits is 0.1 to 0.2 type 4 as per HO 010 007
- 6 Heat treat the board if manufactured from moulding material AF-48 GOST20437-75
- 7 Stamp
- 8 Alternate material is moulding material AF-48 GOST20437-75.
- 9 Technolozical holes $\phi 2\text{mm}$ are allowed opposite to the lugs.
10. Tear out on the part is allowed on the side of bosses as a result of removal of gate with a depth up to 2mm and diameter up to 6mm
- 11 Other requirements are as per OST B 84-1602-78

2	KT6 023	LUG	3	
1		Moulding material, ACB-4-P-2		
		M, grade 0 GOST17478-72	13g	
Ref	Designation	Description	Qty	Remarks

10. 2 JUL 7 1903-80 9781

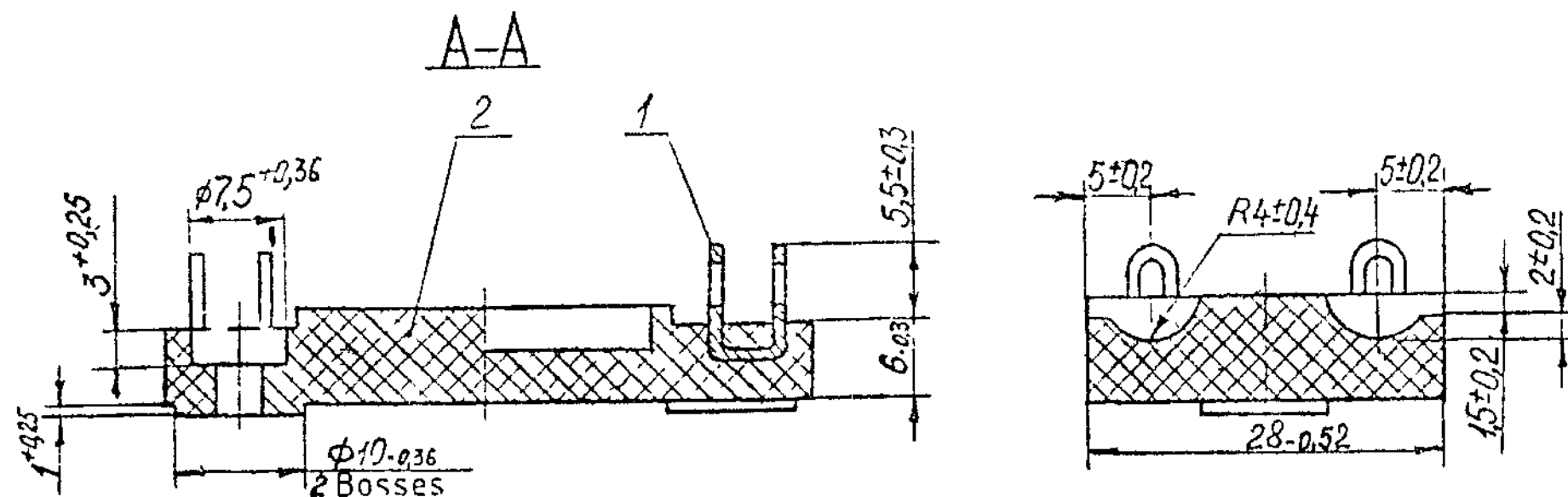
DL2 100d

SN	SH	DOC NO	SIGN	DATE
DRAWN	S Gopal			22/12
EDT,CHKD	D.K. JAIN			28.12.85
F/M,DC.	S.R.Nair			18/8
DIV.OFFR	A.K. KUNDU			16.2.85

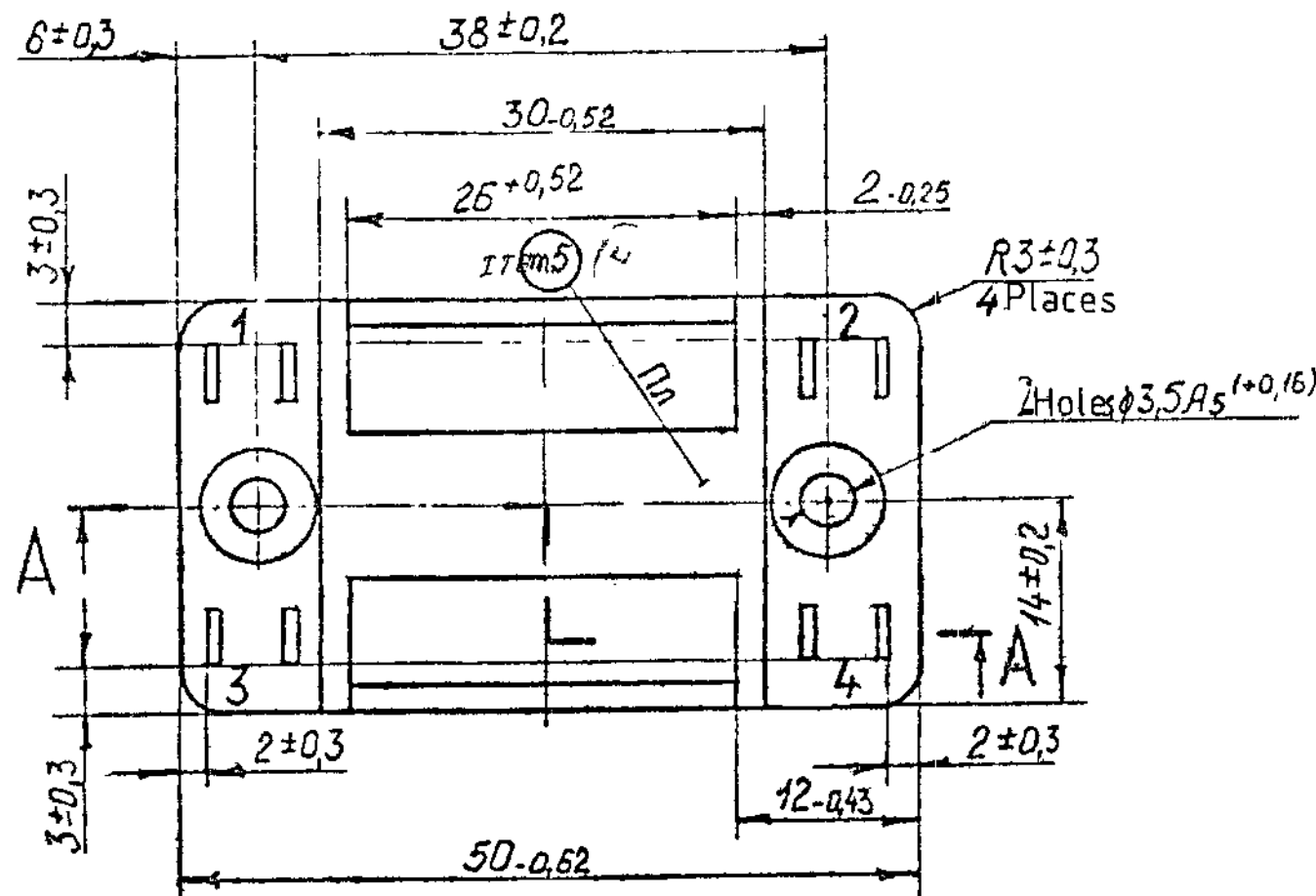
BOARD	SHEET	WEIGHT	SCALE
		14.5	2:1
TOTAL SHEETS			
ORDNANCE FACTORY PROJECT HYDERABAD			

Pφ1.290C5

2.0/



Designation	Alternate material
Pφ1,290	Phenoplastic Cn1-342-02 GOST5689-..



- 2 Drafts of upto 1° towards increasing dimensions are allowed
- 3 Auxiliary holes 2mm are allowed against the lugs
- 4 Inscribe the digits with projecting type 25 as per HO 010 007
- 5 Mark the seat numbers with type 3 as per HO 010 007
- 6 Other requirements are as per OST B 84-1602-78

61
I-615

Pφ1.290C5

SNOSHT	DOC NO	SIGN	DATE
DRAWN	S. Gopal	S. Gopal	22/12
EDT,CHKD	D. K. JAIN	D. K. JAIN	20/12/85
F/M,DC.	S. R. Nair	S. R. Nair	18/12/85
DIV.OFFR	A. K. KUNDU	A. K. KUNDU	16/12/85

BOARD	SHEET	WEIGHT	SCALE
ASSEMBLY DRAWING	6	0.012	2:1
TOTAL SHEETS			
ORDNANCE FACTORY PROJECT HYDERABAD			

7 2 11/11/86 22 01/11

pp/430C5

115 N 22 in Piedmonte Italia.



- 1 Drafts upto 3° towards decreased dimensions are allowed
crafts on the holes b should be within the limit of tolerance
- 2 Auxiliary holes 2mm are allowed again-st lugs
- 3 Provided digits with projecting type 3 as per HO-010 007
0.1 to 0.2mm
- 4 Stamp Ky on the seal in bundle,
- 5 Other requirements are as per OST B84-1602-78
- 6 Mark the seat number of mould with type 2 as per
HO 010 007

SNAPSHOT	DOC NO	SIGN	DATE
DRAWN	S Gopal	<i>[Signature]</i>	22/11
EDT/CHKD	D K JAIN	<i>[Signature]</i>	26/12/85
F/M, D.C.	S R Nair	<i>[Signature]</i>	18/1/85
DIV.OFFR	A.K.KUNDU	<i>[Signature]</i>	16/2/85
	NAME	SIGN	DATE

ASSEMBLY DRAWING

SHEET	WEIGHT	SCALE
	0.0036	2:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

8
I-615

VOLTAGE REGULATOR
PH-10

SHT.NO.		TO.NO.OF.SHT	
1		8	
ORDNANCE FACTORY PROJECT HYDERABAD			

FORMAT	ZONE	REF. NO.	DESIGNATION	DESCRIPTION.	QTY	REMARKS
				<u>Assembly units</u>		
11	1		PH10 020	Measuring unit БИ-10	1	
11	2		PH10 040	Board	1	
11	3		PH10 070	Unit	1	
11	4		PH10 190	Chassis	1	
11	5		PH10 220	Board	1	
11	6		PH10 230	Cover	1	
11	7		PH10 240	Board	1	
11	10		P10T 027	Transformer	1	
				<u>Parts</u>	1	
11	14		PH10 001	Gasket	1	
13	16		PH10 016	Cover	1	
22	17		PH10 017	Cover	1	
12	19		PH10 022	Gasket	1	
12	21		PH10 027	Casing	1	

9
I-615

PH10.000

S NO.	SHT	DOC NO.	SIGN.	DATE
DRAWN BY		N. Yesudas	<i>[Signature]</i>	20.12.84
CHECKED		B. Sankar	<i>[Signature]</i>	24.12.
F/MDC.		S R NAIR.	<i>[Signature]</i>	18.1.85
DIV.OFFR.		A.K.KUNDU		
		NAME.	SIGN.	DATE

VOLTAGE REGULATOR
PH-10

SHT.NO.	TO.NO.OF.SH
2	8
ORDNANCE FACTORY PROJECT HYDERABAD	

10
I-615

10/15

11
I-615

VOLTAGE REGULATOR
PH-10

12
I-615

S NO	SHT	DOC NO.	SIGN	DATE
DRAWN BY	N. Yesudas		<i>[Signature]</i>	20/12/84
CHECKED	D. S. ...		<i>[Signature]</i>	26/12
F/M DC.	S R NAIR.		<i>[Signature]</i>	18/85
DIV OFFR	A. K. KUNDU		<i>[Signature]</i>	15.2.89
	NAME		SIGN.	DATE

		SHT.NO.	TO NO.OF.SHT
		5	8
ORDNANCE FACTORY PROJECT HYDERABAD			

13
I-615

VOLTAGE REGULATOR

PH-10

ORDNANCE FACTORY
PROJECT HYDERABAD

FORMAT	ZONE	REF. NO.	DESIGNATION	DESCRIPTION.	QTY	REMARKS
				<u>Specified as per</u>		
				<u>PH10.000M3</u>		
				<u>Materials</u>		
				Wire Ty16-505.437-73		
				(technical specifications)		
		85		MFWB 0.35	22.63m	
		86		MFWB 0.5	2.83m	
		87		MFWB 0.75	2m	
		88		MFWB 1.5	2.05m	
				White sleeve		
				GOST 19034-73		
		90		III TB-40-230-2.5	0.04m	
		91		III TB-40-230-3x0.4	1.21m	
		92		III TB-40-230-3.5	0.45m	
		93		III TB-40-230-4x0.6	0.17m	
		94		III TB-40-230-5	0.07m	
		95		III TB-40-230-8	0.02m	
		96		Light blue PVC tape		
				nBX15x0.2		
				Grade 1		
				GOST 16214-70	0.2m	
		97		Thread in twelveply		
				"extra strong" Noo, glossy		any colour
				Grade 1, GOST 6309-73	25m	14 I-615

14
I-615

S NO.	SHT	DOC NO.	SIGN	DATE
DRAWN BY	N Yesudas			20.12.84
CHECKED	Dr. S. S. Nair			24.12
F/MDC.	S.R.NAIR.			18/85
DIV.OFFR				
	NAME.	SIGN.	DATE	

VOLTAGE REGULATOR
PH 10

PH10.000

SHT.NO.	TO NO.OF.SHT
7	8
ORDNANCE FACTORY PROJECT HYDERABAD	

VOLTAGE REGULATOR

PH-10

PH10.000

ALBUM No:72
TECHNICAL PAPERS
FOR ARTICLE"84/0848711-03- b-40007"
MAIN PRODUCTION DRAWINGS
(FOR VOLTAGE REGULATOR)

LIST

CONTENTS OF ALBUM No.72

INDEX No "84/0848711-03-ГБ-40007"

Ref No	Assembly, Article drawings numbers	Description of technical paper	Drawing number (process sheet)	number of sheets	Number of subsequent changes	Remarks
1	2	3	4	5	6	7
1	Drawing albums	Title sheet	PH10 000	1		
2	Voltage regulator PH-10 PH10 000	Specifications	PH10.000 Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7 Sheet 8	8		
3		Assembly drawing	PH10-000CB	1		
4		Electric wiring diagram	PH10 000M3 Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5	5		
5		Outline drawing	PH10.000Г4	1		
6		Schematic circuit diagram	PH10 00033	1		
7		List of specifications	PH10.000BC Sheet 1 Sheet 2	2		

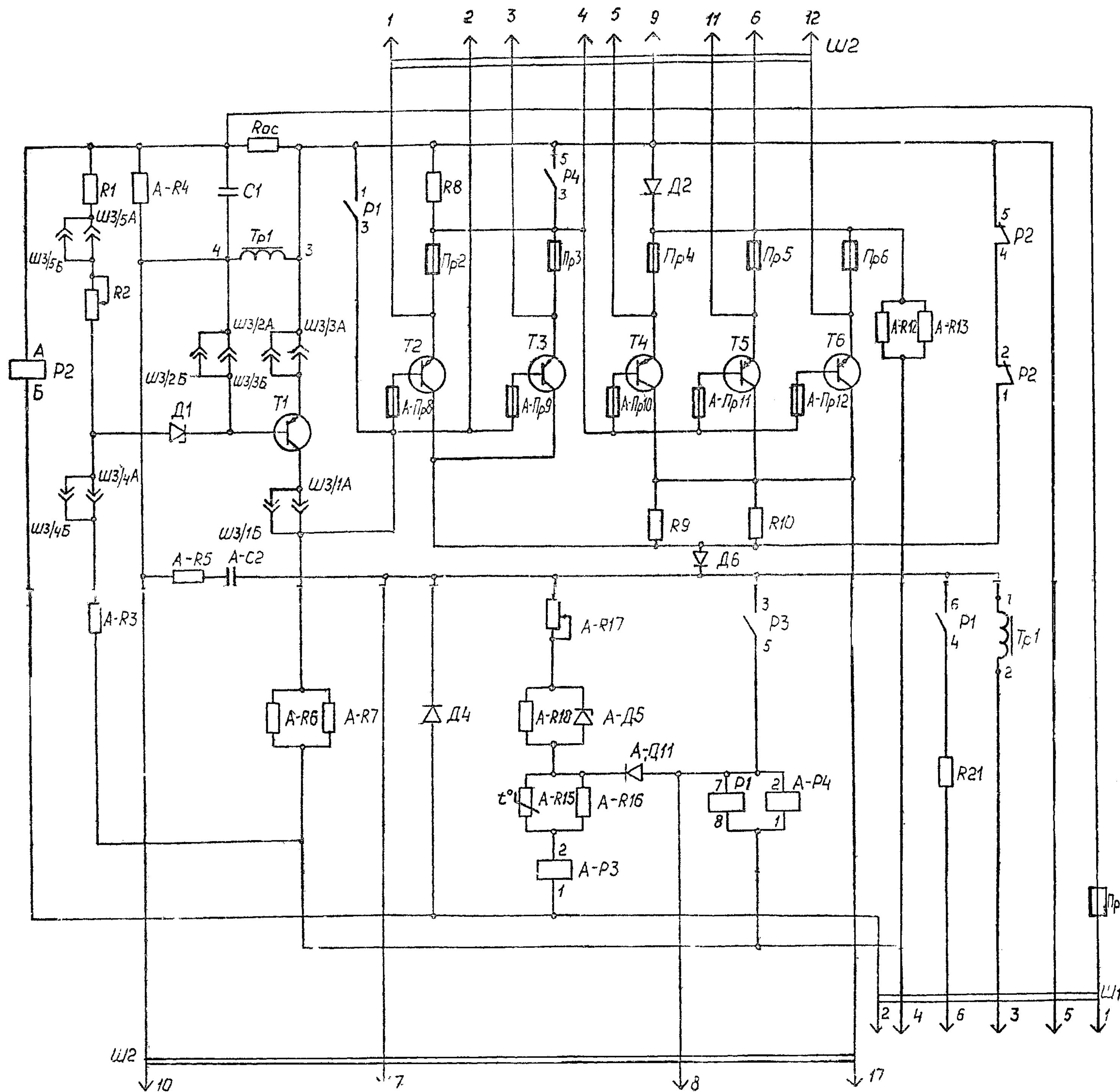
1	2	3	4	5	6	7
8		Specification	PH10 010	1		
9		Assembly drawing	PH10 010CB	1		
10		Specifications	PH10 020 Sheet 1 Sheet 2 Sheet 3 Sheet 4	4		
11		Assembly drawing	PH10 020CB	1		
12		Specifications	PH10 040 Sheet 1 Sheet 2	2		
13		Assembly drawing	PH10 040CB	1		
14		Specifications	PH10 060 Sheet 1	1		
15		Assembly drawing	PH10 060CB	1		
16		Drawing	PH10 070	1		
17		Specifications	PH10 170	1		
18		Assembly drawing	PH10 170LB	1		
19		Specifications	PH10 190 Sheet 1 Sheet 2	2		
20		Assembly drawing	PH10 190CB	1		
21		Specifications	PH10 210	1		
22		Assembly drawing	PH10 210CB	1		
23		Specifications	PH10 220	1		
24		Assembly drawing	PH10 220CB	1		
25		Drawing	PH10 230	1		
26		Specifications	PH10 240	1		

1	2	3	4	5	6	7
44		Specifications	P10TM-4C2-140	1		
45		Assembly drawing	P10TM-4C2 140C5	1		
46		Drawing	PH10 001 Sheet 1 Sheet 2	2		
47		Drawing	PH10 002	1		
48		Drawing	PH10 004	1		
49		Drawing	KT6 007	1		
50		Drawing	KT6 008	1		
51		Drawing	PH10 011	1		
52		Drawing	БР15 012	1		
53		Drawing	PH10.014	1		
54		Drawing	PH10 015	1		
55		Drawing	PH10 016	1		
56		Drawing	Бy40M-016	1		
57		Drawing	PH10 017	1		
58		Drawing	PH10 019	1		
59		Drawing	PH10 022	1		
60		Drawing	PH10 023	1		
61		Drawing	KT6 023	1		
62		Drawing	BKy 024	1		
63		Drawing	PH10.025	1		
64		Drawing	PH10 026	1		
65		Drawing	PH10 027	1		
66		Drawing	PH10 029	1		
67		Drawing	PH10 031	1		
68		Drawing	PH10 033	1		
69		Drawing	PH10 034	1		
70		Drawing	PH10 035	1		
71		Drawing	PH10 036	1		
72		Drawing	PH10 037	1		
73		Drawing	БKy 072	1		
74		Drawing	P10T 118	1		
75		Drawing	P10T 120	1		
76		Drawing	P10T 125	1		
77		Drawing	P10T 1291-2	1		

1	2	3	4	5	6	7
78		Drawing	P10T.130	1		
79		Drawing	P10T.131	1		
80		Drawing	P10T.132	1		
81		Drawing	P6T.135	1		
82		Drawing	P10T.140	1		
83		Drawing	P10T.143	1		
84		Drawing	P6T.156	1		
85		Drawing	P10T.157	1		
86		Drawing	P10T.158	1		
87		Drawing	P10T.160	1		
88		Drawing	8X-189	1		
89		Drawing	P10TM.226	1		
90		Drawing	X-1012	1		
91		Drawing	X-1482	1		
92		Drawing	8X-1497	1		
93		Drawing	8X-1541	1		
94		Drawing	8X-1548	1		
95		Drawing	X3-4033	1		
96		Drawing	7X-4081	1		
97		Drawing	X3-9675	1		
98		Drawing	X1-10527	1		
99		Drawing	X1-10539	1		
100		Drawing	X1-10542	1		
101		Drawing	X1-10557	1		
102		Drawing	X1-10560	1		
103		Drawing	X1-10561	1		
104		Drawing	X-10581	1		
105		Drawing	X2-10598	1		
106		Drawing	X1-10763	1		
107		Drawing	X6-10783	1		
108		Drawing	X1-10871	1		
109		Drawing	X9-10948	1		
110		Drawing	X3-11005	1		
111		Drawing	X9-111-37	1		
112		Drawing	X6-11236	1		
113		Drawing	X1-11299	1		
114		Drawing	X5-114-53	1		

1	2	3	4	5	6	7
115		Drawing	X1-11641	1		
116		Drawing	X1-11653	1		
117		Drawing	M11-40293	1		
118		Drawing	M11-41872	1		
119		Drawing	BK8.109.890	1		
120		Drawing	BK8.683.000	1		
121		Drawing	AK8.735 008	1		
122		Drawing	KC7.750 006-3	1		
123		Drawing	B8 8.942.008	1		
124		Drawing	BK8.842 $\frac{244}{247}$	1		
125		Drawing	BK8.942.258	1		
126		Drawing	B8 8.943-000	1		
		Total	Sheets	151		
	NOTE	PH10 060 sheet 2 mandrel is not applicable				

1	2	3	4	5	6	7
27		Assembly drawing	PH10 240C5	1		
28		Specifications	PH10 250 Sheet 1 Sheet 2 Sheet 3 Sheet 4	4		
29		Assembly drawing	PH10 250C5	1		
30		Schematic circuit diagram	PH10.250 3	1		
31		Specifications	KT6 090	1		
32		Assembly drawing	KT6 090C5	1		
33		Drawing	P Φ 1270	1		
34		Specifications	P Φ 1290	1		
35		Assembly drawing	P 1290C5	1		
36		Specifications	P Φ 1430	1		
37		Assembly drawing	P Φ 1.340C5	1		
38		Specifications	P10T 019	1		
37		Assembly drawing	P Φ 1.430C5	1		
38		Specifications	P10T.019	1		
39		Assembly drawing	P10T.019C5	1		
40		Specifications	P10T.027 Sheet 1 Sheet 2	2		
41		Assembly drawing	P10T 027C5	1		
42		Specifications	P10T.028 Sheet 1 Sheet 2 Sheet 3 Sheet 4	4		
43		Assembly drawing	P10T.028C5	1		



A-Board PH10 250

Ref Designation	Description	Qty	Remarks
R1	Resistor $\omega\omega\omega-05-866 \pm 2\% 0\omega 0467 013Ty$	1	
R2	" $\omega\omega 5-3-1BT100 0\omega\omega\omega 10\% 0\omega 0468 506Ty$	1	
R3	" $\omega 5-5-28BT2400\omega\omega\omega 1\% 0\omega 0467 505Ty$	1	
R4	" $\omega\omega\omega-0125-365 \omega\omega\omega\omega 2\% 0\omega 0467 013Ty$	1	
R5	" $OMMT-05-B-27K \omega\omega\omega\omega 5\% 0\omega 0467 107Ty$	1	
R6,R7	" $OM T-2-B-5100\omega\omega\omega 5\%$	2	
R8	" $\omega\omega\omega-0125-205 \omega\omega\omega\omega 2\% 0\omega 0467 013Ty$	1	
R9,R10	Resistor $P10T 143$	2	
R12,R13	Resistor $OMMT-2-B-510 \omega\omega\omega\omega 5\% 0\omega 0467-107Ty$	2	
R15	Resistor $OMMT-9-75 \omega\omega\omega\omega 10\% GOST 10688-75$	1	
R16	Resistor $\omega\omega\omega-0125-681 \omega\omega\omega\omega 2\% 0\omega 0467-013Ty$	1	
R17	Resistor $\omega\omega 5-2-1BT 150 \omega\omega\omega\omega 5\% 0\omega 0468 506Ty$	1	
R18	Resistor $OMMT-05-B-51K \omega\omega\omega\omega 5\% 0\omega 0467-107Ty$	1	
R21	Resistor $P10T 143$	1	
Roc	Wire Resistor $2-CX15H60 GOST 12766 1-77$	1	$\phi=37mm, R$ not more than $0.50\omega\omega$
C1	Capacitor $OCMB\omega-2-160-20 \pm 10\% 0\omega 0462-078Ty$	1	
D1	Stabilizer $\Delta 814B CM3. 362 012Ty$	1	
D2	Diode $\Delta 231 A \omega\omega\omega 3362 018 Ty$	1	
D4	Diode $\Delta 231 \omega\omega\omega 3362 018 Ty$	1	
D5	Stabilizer $\Delta 816A \omega\omega\omega 362 027Ty$	1	
D6	Diode $\Delta 231 A \omega\omega\omega 3362 018Ty$	1	
D11	Diode $\Delta 223B CM3. 362 \omega\omega\omega Ty$	1	
np1	Fuse $\omega\omega-15,30B Ty16-522 001-76$	1	
np2,np3	Fuse $\omega\omega-30-2 A\omega\omega-481 501 ty$	2	
np4,np6	Fuse $\omega\omega-10,30B Ty16-522 001-76$	3	
np8,np12	Fuse $B171-2-2A 0\omega\omega\omega 480 003Ty$	5	
p1	Relay $P3Cb P\omega\omega 0.452, 104, P\omega\omega 4.523, 009Ty$	1	
p2	Relay $TKE 52\omega\omega\omega Ty872-66$	1	
C2	Capacitor $M5M-160-0.5 \pm 10\% 0\omega 0462-032Ty$	1	
T1,T3	Transistor $n215 \omega\omega\omega 3.365, 012 Ty$	3	
T4,T6	Transistor $n210A \omega\omega\omega 365, 037Ty$	3	
Tp1	Transformer $P10T 027$	1	
p3	Electromagnetic relay type $P3C 10$		
	$PC4 529, 031-05 PCO 452, 049 Ty$	1	
W1	Connector $WPI 2877\omega\omega\omega \omega\omega\omega 364 108Ty$	1	
W2	Plug $2PM\omega\omega, 276 19W5E26 \omega\omega\omega 364 140Ty$	1	
W3	Plug $P1710-11 \omega\omega\omega 364 004Ty$	1	
W3	Socket $P1710-11 \omega\omega\omega 364 004Ty$	1	
P4	Electromagnetic relay type $P3C10 PC4 529 031-06$		
	$PCO 452 049Ty$	1	

PH10 00033

NGSH/DOC NO	SIGN	DATE
DRAWN IN Yesudas		22.12.84
DT/CHKD		24.12
M.D.C.	S.R.NAIR	18.1.85
V.OFFR	A.K.KUNDU	15.2.85
NAME	SIGN	DATE

VOLTAGE REGULATOR
PH-10

SCHEMATIC CIRCUIT DIAGRAM

SHEET/WEIGHT/SCALE

TOTAL SHEETS

ORDNANCE FACTORY
PROJECT
HYDERABAD

012				
Jer	1	26		
minat	2	37		
wire	3			
	4			

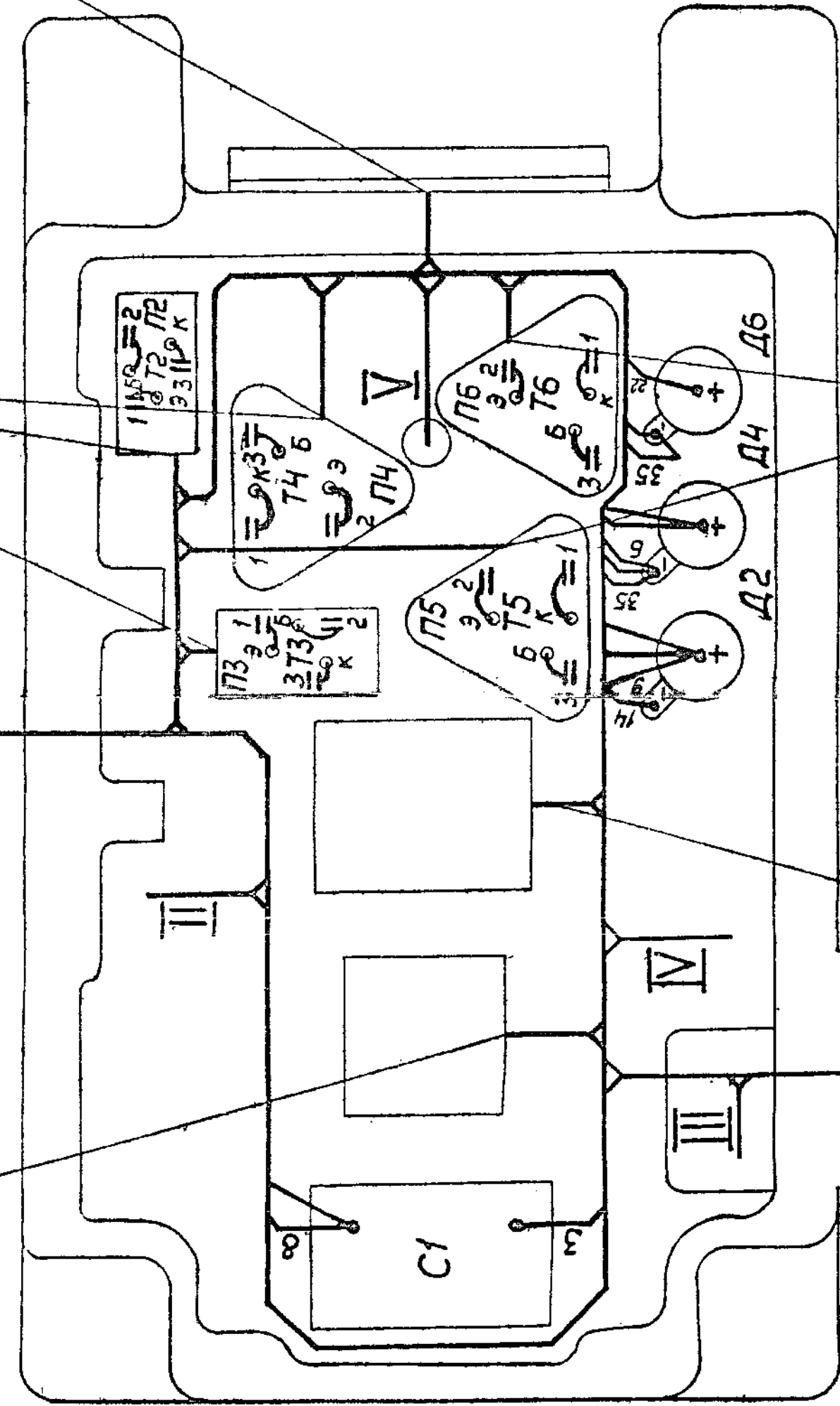
177			
	MINERAL WIRE		
1	11, 11		
2	13, 13		

71	TERTIAL WIRE	
	1	16; 16
	2	17; 17
	3	12; 12
	4	15; 15
	5	1
	6	36
	7	14; 14
	8	14
	9	11; 11
	10	3; 3
11	34	

Tp1	TEST	
	MINAL WIRE	
	1	35'35"
	2	34'
	3	9'9"
	4	8'8"

	n3		n2		n4	
	TER- MINAL	WIRE	TER- MINAL	WIRE	TER- MINAL	WIRE
1	1(3)	13,13	1(3)	12,12	1(5)	18,18
2	2(6)	43,43	2(6)	44,44	2(3)	15,15
3	3(5)	22,22	3(5)	22,22	3(6)	40,40

LW3	TIER	
	CHINA	WIRE
1A	10,10	
2A	8,8	
3A	9,9	
4A	21,21	
5A	7,7	
6A		
15	10,10	
15	8,8	
36	9,9	
46	21	
56	7	



P2	TERMINAL	
	WIRE	
	A	3
	5	6,6
	1	22
	2	23
	3	
	4	23
	5	9
	6	

75		76	
TER- MINAL	WIRE	TER- MINAL	WIRE
1(K)	18, 18	1(K)	18, 18, 18
2(3)	16, 16	2(3)	17, 17
3(6)	41, 41	3(6)	42, 42

W12	W11
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19

P1	INTER-								
	MINAL WIRE								
	1	9							
	2								
	3	10							
	4	26							
	5								
	6	35							
	7	25							
	8	24							

78	INTER-1								
	MINIMAL WIRE	1	2	3	4	5	6	7	8
		2	7						
		3	11						
		4	9,9						
		5	3,3						
		6	9						
		7	3,3						
		8	9						

- 1 Technical requirements are ^{as} per H0 010 001
- 2 Carryout soldering using solder nocy 61-0.5 GOST 21930-76 carryout soldering of semi-conductors A2, A4, A6, 12, T3, T4, T5, T6 and wires, running to terminals of board n10 using solder nocy 50-18 GOST 21930-76 Solder using the flux ~~4~~ KCT4 no 033 000
- 3 Put sleeves Ref Nos 71 to 75 on the ends of wires in! compliance with cross section of wire and marking according to the diagram Carryout marking of sleeves using tape for type writer GOST 604.8-67 or special ink as per instruction Bko. 029 000
- 4 Put sleeves Ref No 94, Ref No 92 on the diode leads A2, A4, A6, Put sleeve Ref No 90 on the free terminal of relay Put sleeves, by first applying adhesive YBK-2a Technical specification Ty6-10-463-75 on their inside surface,
- 5 Wiring is carried out with wire Ref Nos 85 to 88
- 6 Make inscriptions using enamel MC-17 black Technical specifications Ty6-10-1012 -78 on light black ground and enamel n4-115 white GOST 6465-76 on dark back ground
- 7 Marking of plug connectors with figures is ~~given~~ conventionally on the sides of wiring part of pins
- 8 Insulate the contact points between braid with sharp edges of body, chassis, units and devices with tape Ref no 96
- 9 Tie the wire in bundle using thread Ref No 97
- 10 Board n1 and chassis with boards n10, n12, n7 and relay p1 are displaced for clarity
- 11 Instead of wire Ref No 85, 86, 87, 88, it is allowed to use wire ~~MTWB-10.5~~ MTWB-1 0.75, MTWB-1 1.5 Technical specification Ty16-505 437-73 correspondingly

LMF4B-10.35

ЕКД

PH10.000 MƏ

[illegible]

Восстановлен с подлинника.

Conductor	Ref	From	To	Length cm.	Remarks
1	88	W1:1	П1:5	33	МГШВ 1,5
3	88	П1:10	П8:5	33	МГШВ 1,5
3	85	П8:1	С1	40	МГШВ 0,35
3	85	П8:5	П10:1	40	- do -
3	87	П8:7	П1:10	57	МГШВ 0,75
3	85	П8:7	Р2:А	40	МГШВ 0,35
6	85	П10:17	Р2:Б	40	МГШВ 0,35
6	85	Р2:Б	Д4: „+“	40	МГШВ 0,35
6	87	Д4: „+“	W1:2	57	МГШВ 0,75
7	85	П8:2	W3:5A	40	МГШВ 0,35
7	85	W3:5A	W3:5Б	40	- do -
8	85	П10:5	Тр1:4	40	МГШВ 0,35
8	85	Тр1:4	С1	40	- do -
8	85	W3:2A	W2:10	40	„
8	85	С1	W3:2Б	40	„
8	85	W3:2A	W3:2Б	40	„
9	85	Р1:1	W3:3Б	40	„
9	85	П10:14	Тр1:3	40	„
9	85	Тр1:3	Д2: „+“	40	„
9	88	Д2: „+“	П8:6	33	МГШВ 1,5
9	85	П8:8	W3:3A	40	МГШВ 0,35
9	85	W3:3A	W3:3Б	40	- do -
9	85	W1:5	Д2: „+“	40	„

18
I-615

26571
Подпись и дата
(Подп.) 12.12.78
Имя
Подпись
Дата

3
Лит. 797-80 (Подп.) #980

PH.10.000 МЭ

2

Conductor	Ref	From	To	Length cm	Remarks
9	86	P2:5	П8:4	44	МГШВ 0,5
9	85	П8:4	Ш2:9	40	МГШВ 0,35
10	85	Ш2:2	П10:3	40	- do -
10	85	Ш2:2	Ш3:1A	40	"
10	85	Ш3:1A	Ш3:1Б	40	"
10	85	P1:3	Ш3:1Б	40	"
11	85	П8:3	П7:1	40	МГШВ 0,35
11	85	П7:1	П1:9	40	- do -
11	85	П1:9	Ш2:4	40	"
11	85	П1:9	П10:13	40	"
12	85	T2:3	П2:1	40	МГШВ 0,35
12	85	П2:1	П1:3	40	- do -
12	85	П1:3	Ш2:1	40	"
13	85	T3:3	П3:1	40	"
13	85	П3:1	П7:2	40	"
13	85	П7:2	Ш2:3	40	"
14	88	Д2:.-	П1:7	33	МГШВ 1,5
14	85	П1:7	Ш2:6	40	МГШВ 0,35
14	85	П1:8	П10:10	40	- do -
15	-	T4:3	П4:2		Emitter lead
15	86	П4:2	П1:4	44	МГШВ 0,5
15	85	П1:4	Ш2:5	40	МГШВ 0,35
16	-	T5:3	П5:2		Emitter lead
16	86	П5:2	П1:1	44	МГШВ 0,5
16	85	П1:1	Ш2:11	40	МГШВ 0,35
17	-	T6:3	П6:2		Emitter lead
17	85	П1:2	Ш2:12	40	МГШВ 0,35
17	86	П6:2	П1:2	44	МГШВ 0,5

19
I-615

Исчисл. 1 374

Иш № 1101

Ваш инв

Получить в 2211

Иш № 26571

(подп) 12.12.78

3 АДП797-80 (подп) № 980

PH10.000 МЭ

Ишт
3

Conductor	Ref.	From	To	Length cm	Remarks
18	-	T5 K	П5.1		Collector lead
18	86	П9 2	П5.1	44	МГШВ 0,5
18	-	T4 K	П4.1		Collector lead
18	86	П4 1	П9:2	44	МГШВ 0,5
18	-	П9 2	П9.4	3	ММ 0,8
18	86	П9.4	П6.1	44	МГШВ 0,5
18	-	T6:K	П6:1		Collector lead
18	85	П6 1	Ш2:17	40	МГШВ 0,35
21	85	П10. 8	Ш3:4A	40	- DO .
21	85	Ш3 4A	Ш3:4Б	40	"
22	-	П9.1	П9.3	3	ММ 0,8
22	85	T3:K	П3:3	40	МГШВ 0,35
22	85	П3:3	П2:3	40	- DO -
22	85	T2.K	П2:3	40	"
22	85	П2:3	П9 1	40	"
22	88	П9.3	Д6: "+"	33	МГШВ 1,5
22	86	П9:1	Р2:1	44	МГШВ 0,5
23	86	Р2 4	Р2 2	44	МГШВ 0,5
24	85	Ш1 4	П10:6	40	МГШВ 0,35
24	85	Ш1.4	Р1 8	40	- DO -
25	85	Ш2 8	П10:16	40	МГШВ 0,35
25	85	П1 1	Ш2.8	40	- DO -
26	85	Р1.4	П12:1	40	МГШВ 0,35
34	88	Тр1:2	А1-4Ш1:3	33	МГШВ 1,5

20
I-615

26571
1. (подн) 12 12 78
4 1. 804.1 81-81
3 804.1 797-80

20481
4280
1212

РН10.000 МЭ

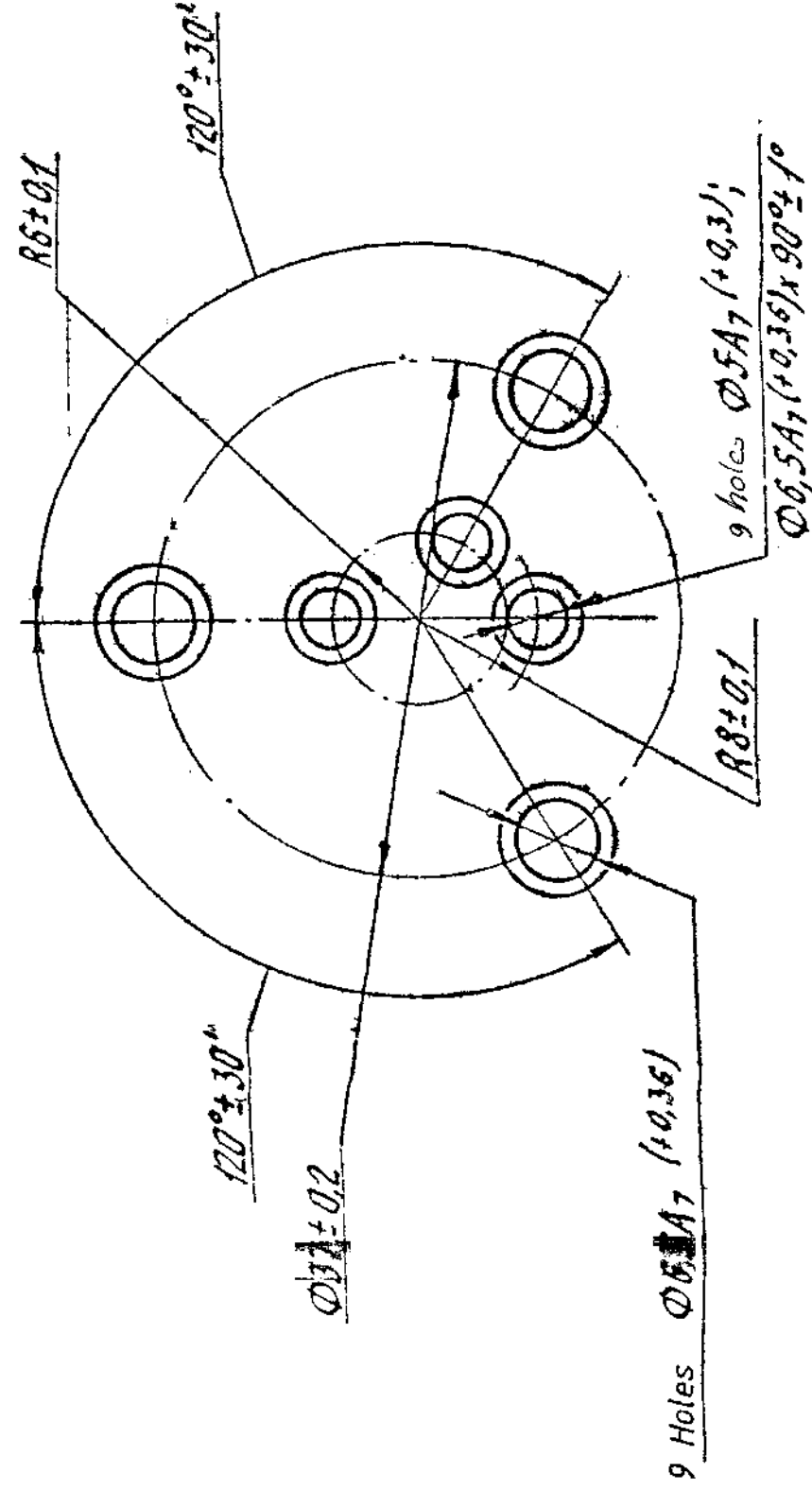
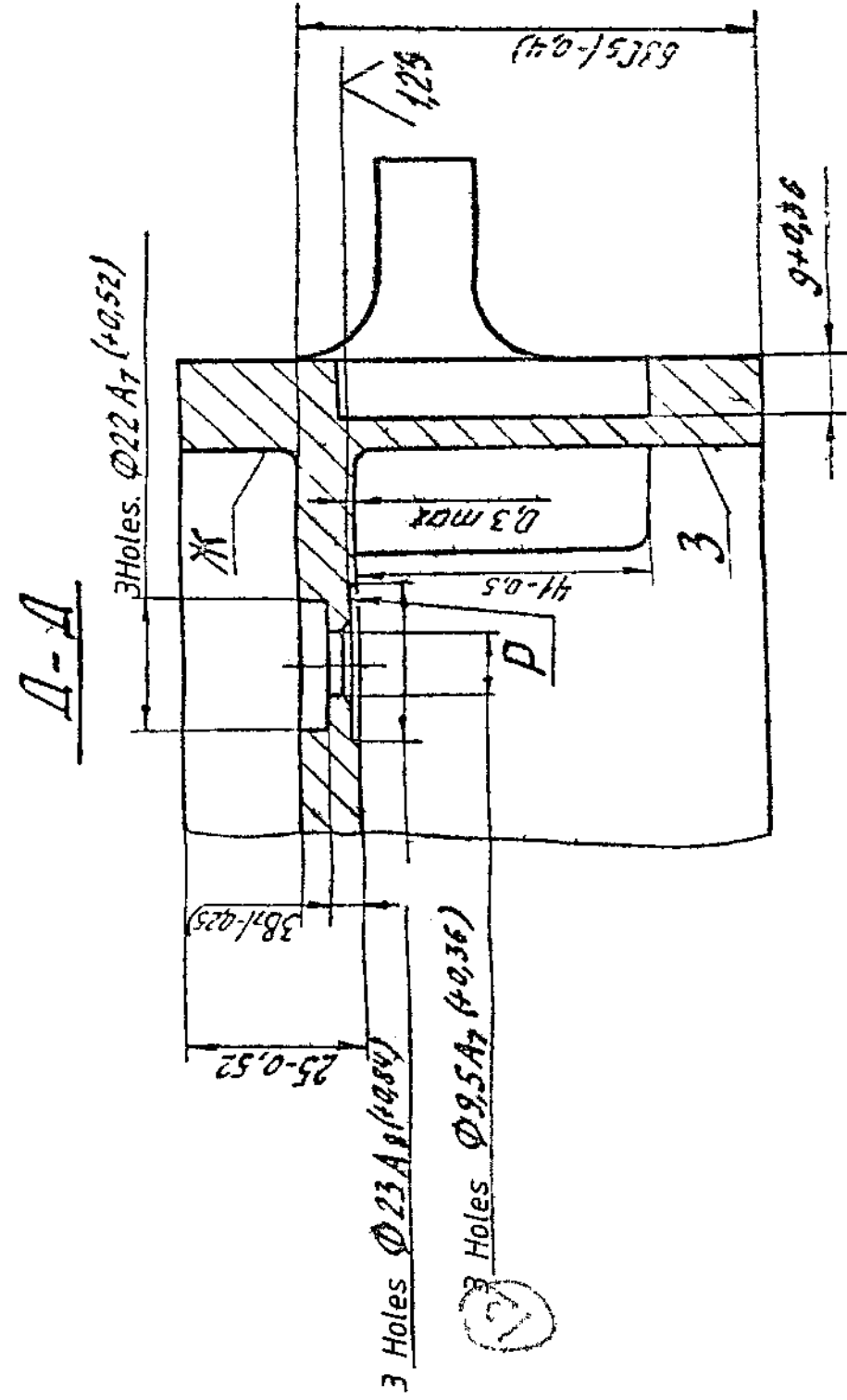
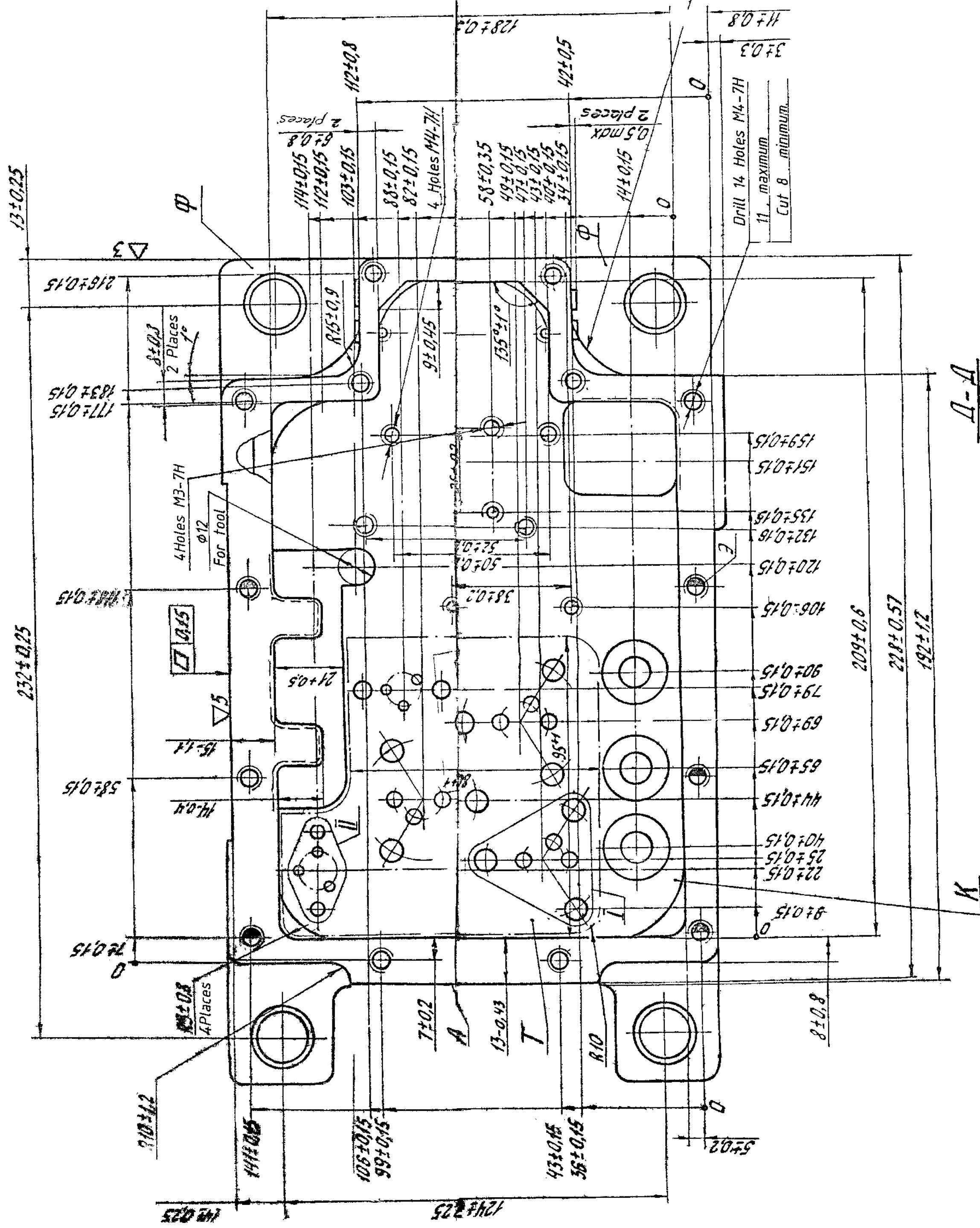
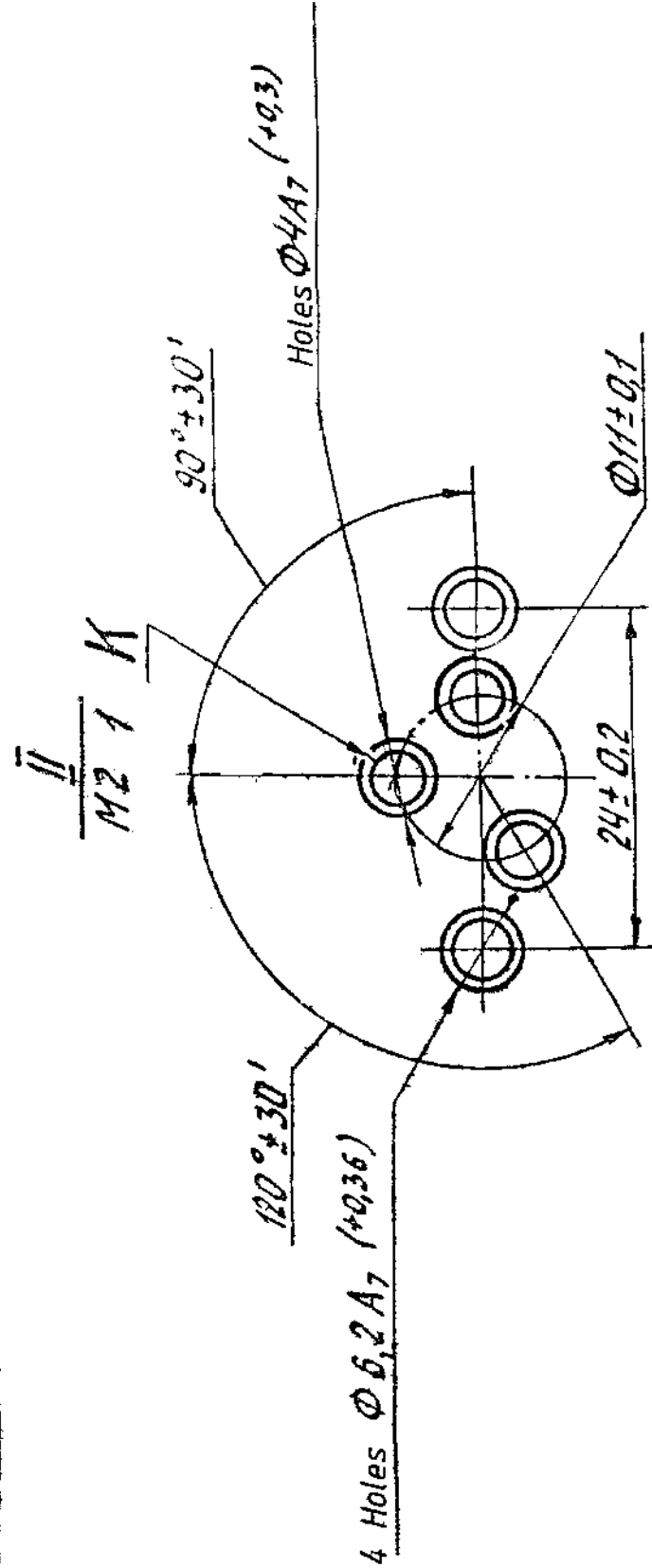
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4

[illegible]

21
I-615

PH 10.000 M3

5



3 Unspecified casting radii are R3,max

4, Pattern drafts of 1°30' towards increased body, for bosses and upto 2° towards increased body for lugs are allowed

6 Casting surface-remainder of pouring gate flash are allowed to be machined provided dimensions are preserved

7 Sharp edges, are not allowed Blunt with chamfer or radius ≈ 0.5

8 Internal angles of machining are ≈ 0.5

9 Displacement of one part of casting with respect to the other part should not exceed 1mm along metal mould parting line, short run of depth 0.5mm and roundness of sharp edges upto 1mm are allowed, provided dimensions are preserved

11 Internal surface, mating surface of covers, holes, and also places designated with symbol $\times$ - are without varnish coating. Threaded holes, hole y without varnish coating.

12. Permissible degree of porosity on surfaces T B P is as per standard

13 Welding of cavities followed by their machining upto dimensions specified in the drawing on surfaces $\Delta 1, \Delta 2$ is allowed

14 Surface $\Delta 1, \Delta 2$ are without pattern drafts except contour designated dotted line

15 Along internal contour Δ and $\Delta 3$ of dark sports are allowed after machining

16 Asymmetry of dimension $\Delta 3$ with respect to dimension 50.63 is 0.8mm, that of dimensions 54 with respect to dimension 62 is 0.5mm

17 Impregnation with varnish BJI - 725r Ty6-10-866-75 in vacuum is allowed.

18 Provided chamfers on holes $0.5^{+0.3} \times 45^\circ$,

19 while machining surface $\Delta 3$ cutting in or short run in the bottom of body should not exceed 0.5mm

20 Roughness of the surface T should be $\Delta 6$ to $\Delta 7$.

21 Carryout inscription $\Delta 1$ and $\Delta 2$ is using stencil with type 10 as per HO 010 007 enamel Mc-17 grey, Ty6-10-1012-78

22 Asymmetry of dimension 38 with respect to dimension 60 is 0.5mm.

23 Remainder of technological ribs with height upto 13 an width 9-0.5 on surface X are allowed

24 While machining the legs cutting-in the wall of body should not exceed 2mm from the side of plane M in 2 places

25 Holes $\Delta 3$ may be brought to surface

26 Nonflatness of surface $\Delta 1, M$, n should not exceed 0.15m

27 Coating Anodic oxidation chromizing / enamel MJ-165, grey GOST 12034-77 $\Delta 1, \Delta 2$

28 Select varnish coating in compliance with OST3-1928-73

29 Blunt sharp edges of holes K with chamfers 0.1 to 0.35x45° from the side of surface I

30 Roughness of surface K $\Delta \phi$ - R280

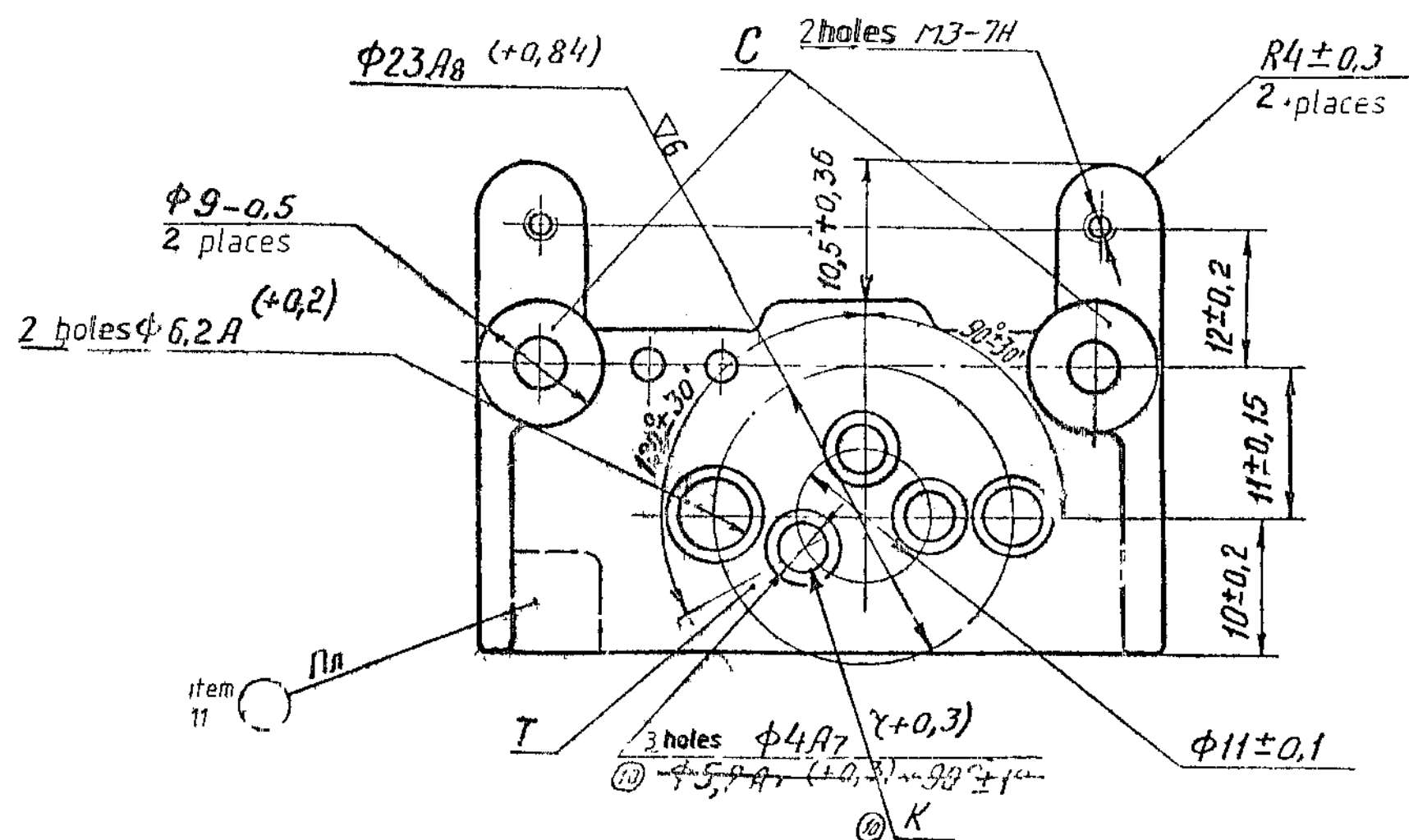
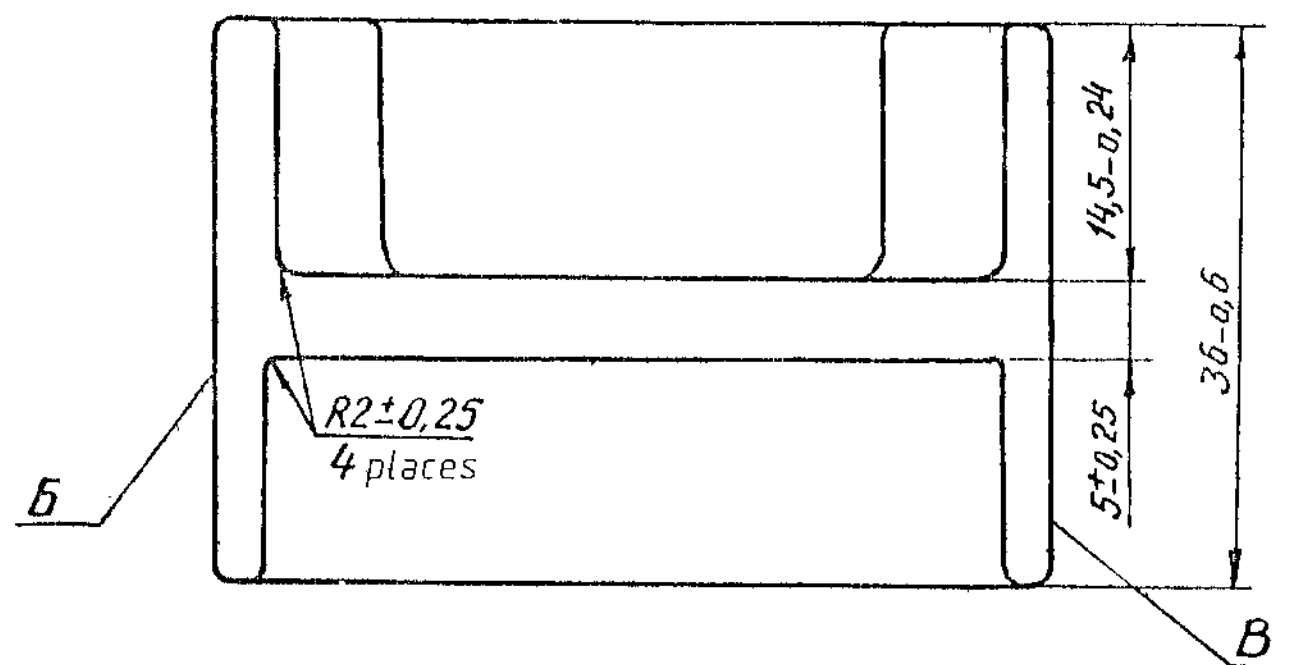
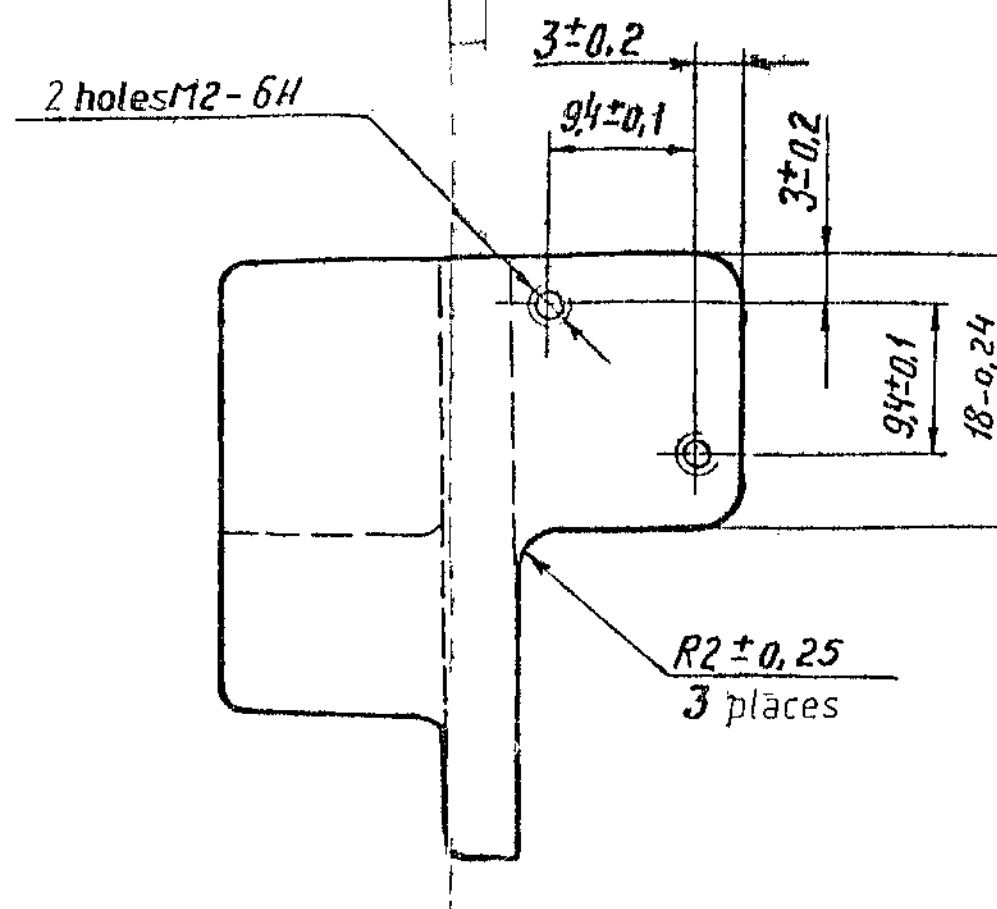
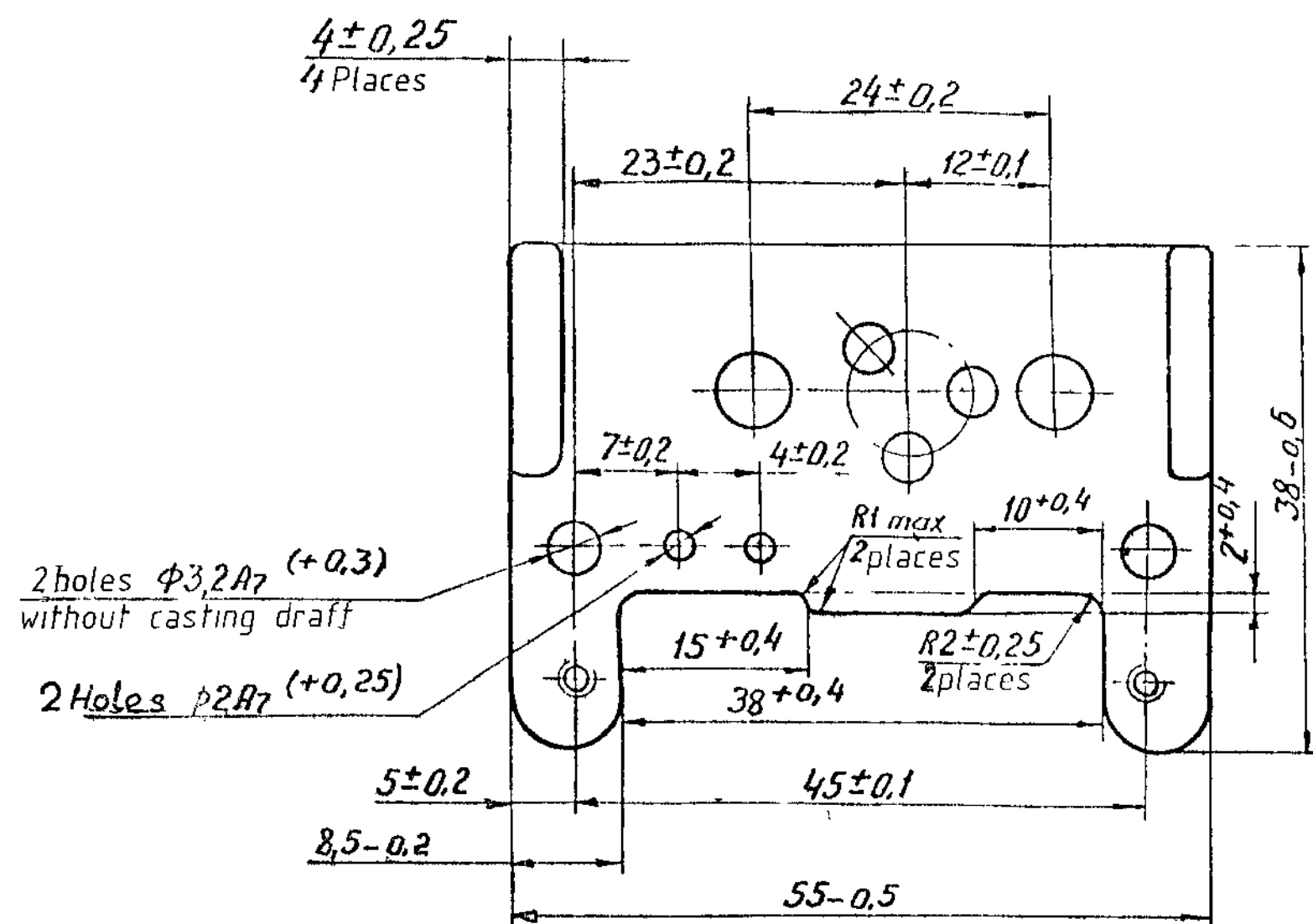
31 It is allowed to use enamel MJ-12, grey GOST 9754-76 or enamel MJ-165, silver, GOST 12034-77 grey GOST 12034-77 Δ instead of enamel MJ-165

32 Mark the smelting No.

NO. SHEET	DOC NO	SIGN	DATE
DRAWN	IN. Yesudhas		20.08.78
ED. TECH	8. Sankar		20.08.78
FM. D.C.	SP. MAR		18.08.78
DIV. OFFR	A. K. KUNDU		18.08.78
NAME	SIGN	DATE	

SHEET WEIGHT SCALE
6 18.5 1:1

ORDNANCE FACTORY
HYDERABAD



- Unspecified casting radii are $R1 \max$.
- Provide pattern drafts 1° to the side of decreased dimensions.
- Cavities and traces from knockout on surface T are ^{not} allowed.
- Blunt sharp edges and burrs are not allowed.
- Coating: Chemically, parkerized.
- Roughness of machining holes is $\nabla 3$, that for holes chamfer is $0.5^{+0.3} \times 45^\circ \pm 1^\circ$.
- Sinking traces from pushes upto 0.5mm on surface C are allowed.
- Parting line on surface B and B are allowed.
- Cavities in 2 holes $\phi 3.2 A_7 (+0.3)$ are allowed.
- Mark serial number of seat with type 3 as per HO.010.007. Height of digit is 0.5 to 0.7.
- Blunt sharp edges of holes K with chamfers 0.1 to 0.35 $\times 45^\circ$ from the side of surface T.

Material Casting

I-0CT3-4227*79
A112A, TOCT2685-7578
I-6'5

ECKD

PH10.002

SN/SHY	DOC NO	SIGN	DATE
DRAWN	N Yesudas	ES	22/12/84
EDT/CHKD	B. Sarma	ES	29.12
F/M, DC	S.R. Nair	ES	28.1.85
DIV. OFFER	A.K. Wundru	AK	19.2.85
NAME	SIGN	DATE	

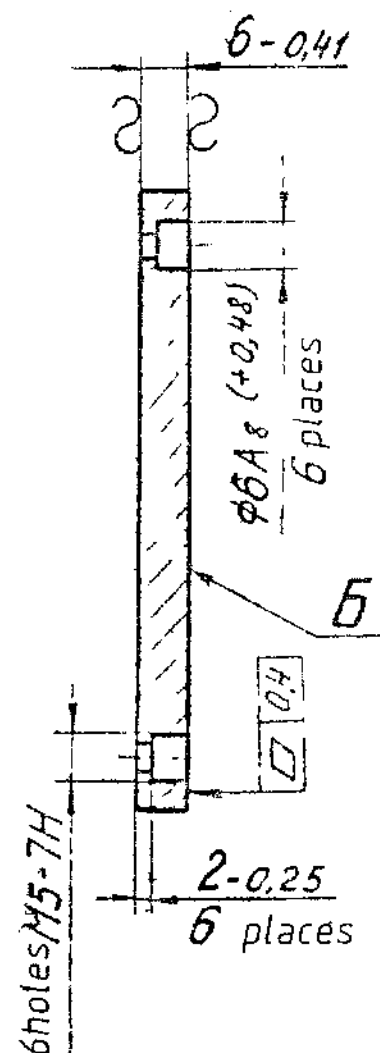
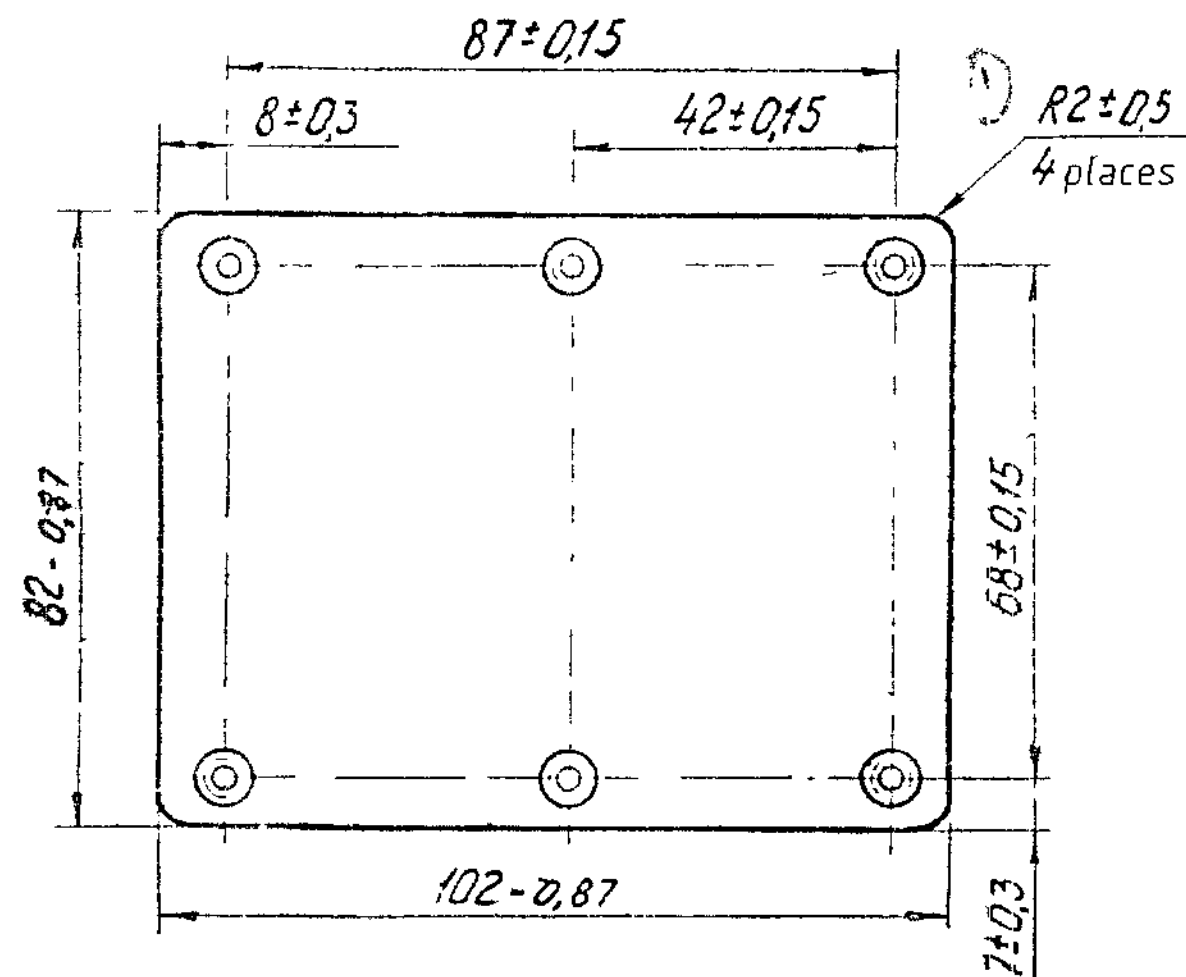
BODY

SHEET/WEIGHT/SCALE

5 0.04 2:1

TOTAL SHEETS
ORDNANCE FACILITY
PROJECT
HYDERABAD

PH10.004



1. Alternate material sheet $\Delta 16T-6$ GOST 21631-76.
2. Surface δ and holes are without paint coating.
3. Micks on surface δ are not allowed.
4. Tool marks on surface δ at a distance 15mm from edges are not allowed. Tool marks to depth not exceeding 0.5mm are allowed on the rest of surface δ .
5. Coating Anodic oxidation, chromatizing, enamel MJ-165 grey GOST 12034-77 III Ж1.
6. Select paint and varnish coating in compliance with OST3-1928-73.
7. It is allowed to use enamel MJ-12 grey GOST 9754-76 or enamel MJ-165 silver GOST 12034-77 instead of enamel MJ-165, grey GOST 12034-77.

79
I-615

ЕСКД

PH10.004

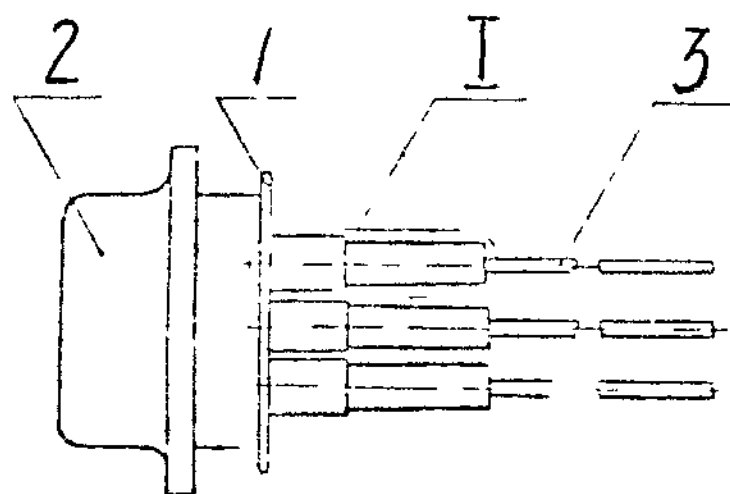
SN	SH	DOC NO	SIGN	DATE
DRAWN		N. Yesudas		22.12.84
EDT,CHKD		B. Sankar		31.12
F/M, D.C.		S.R. Nath		18.1.85
DIV. OFFR		A.K. KUNDU		15.2.85
		NAME	SIGN	DATE

COVER

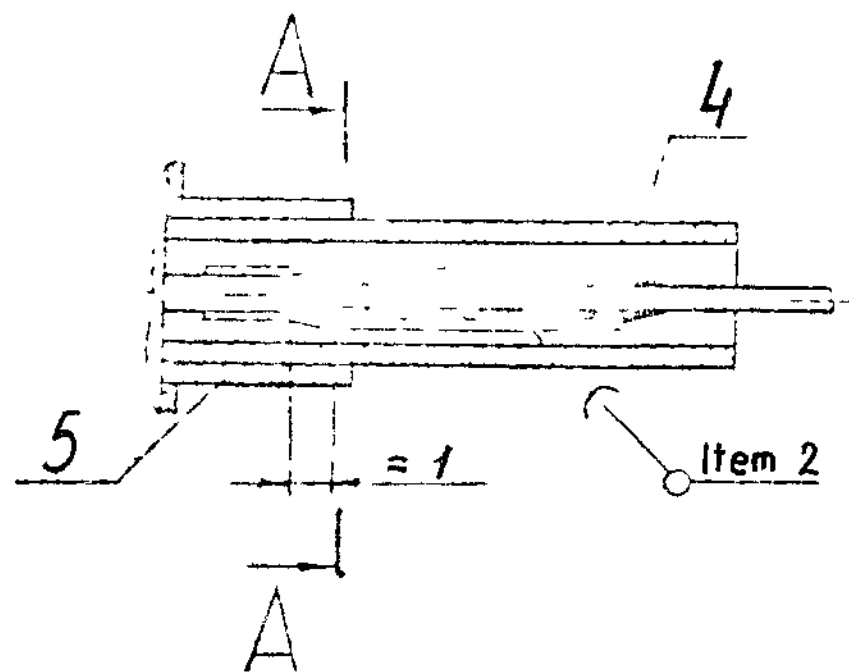
Sheet $\Delta 165T-6$
GOST 21631-76

SHEET	WEIGHT	SCALE
0,13	1:1	
TOTAL S. T. S.		
ORDNANCE FACTORY PROJECT HYDERABAD		

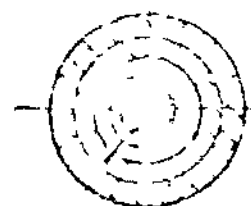
15827 (Подп) 28.73



I
M5:1



A-A



RI

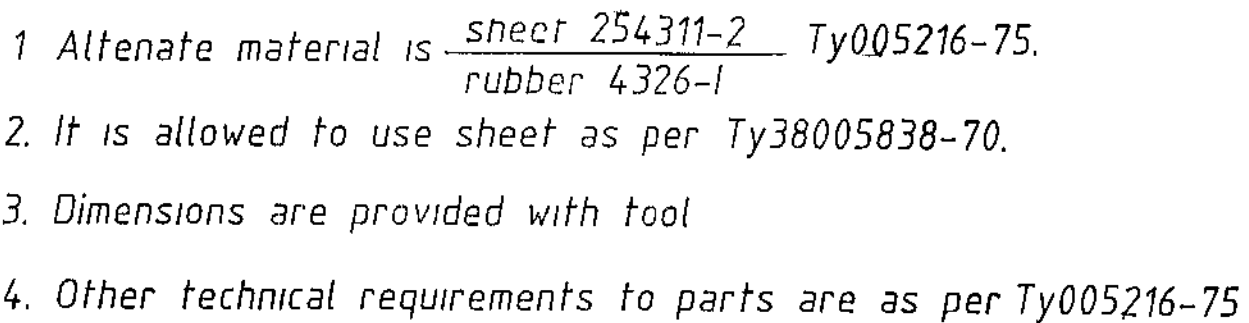
- 1 Thickness of pack of gaskets, Ref No 1 is 65 to 100mm
- 2 Solder ПЛОК 50-18 GOST21930-76, flux ФКЧн OST4 Г0 033 000
- 3 Bend flat section of lead of transistor, Ref No 2 in the form of chute,
- 4 Other technical requirements are as per CH3.365.012TY and instructions И 1-80

27
I-615

27
I-615

PH 10.010 CB				
SLNO	SHEET	DOCNO	SIGN	DATE
DRAWN BY	PRASAD	21.12.84		
EDITED AND CHECKED BY	B. B. Sankhal	22.12		
FOREMAN OF DC	S. R. N. N. P.	18.12.85		
DIVISIONAL OFFICER	A. K. KUNDU	15.2.85		
NA		SIGN	DATE	
TRANSISTOR ASSEMBLY DRAWING				
SHEETS		WEIGHT		SCALE
5		15g		2:1
TOTAL SHEETS				
ORDNANCE FACTORY PROJECT HYDERABAD				

000 0146
9410 000



ЕСИД

82
I-615

PH10.011

GASKET

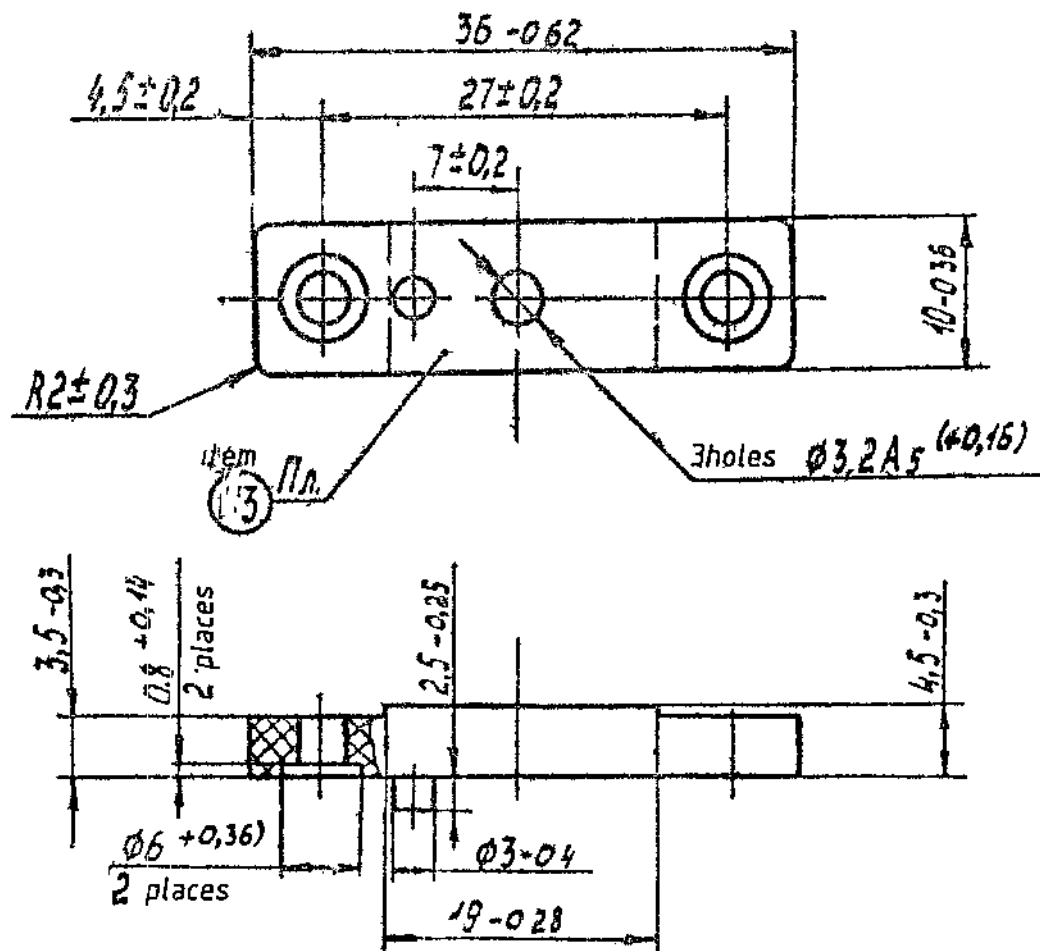
Rubber 98-J

Ty005216-75

SHEET	WEIGHT	SCALE
5	Q005	1:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

PH 10.014

2,5



1. Drafts upto 1° towards increased imensions.
2. Alterante material is moulding material AT-4C , GOST 20437-75, A CB-4-P-2M, grade 0, GOST 17478-72.
3. Mark the serial number of seat with type 2 as per HO.010.007.
4. Perform heattreatment.
5. Other technical requirements are as per OST B 84-1602 -78.

84
I-615

PH 10.014

SN	SH	DOC NO	SIGN	DATE
DRAWN		N. Yesudas	<i>[Signature]</i>	22.12.84
EDT	CHKD	B. Sankar	<i>[Signature]</i>	23.12
F/M, DC.		S.R. Nair	<i>[Signature]</i>	18.1.85
DIV. OFFR		A.K. KUNDU	<i>[Signature]</i>	15.2.85
		NAME	SIGN	DATE

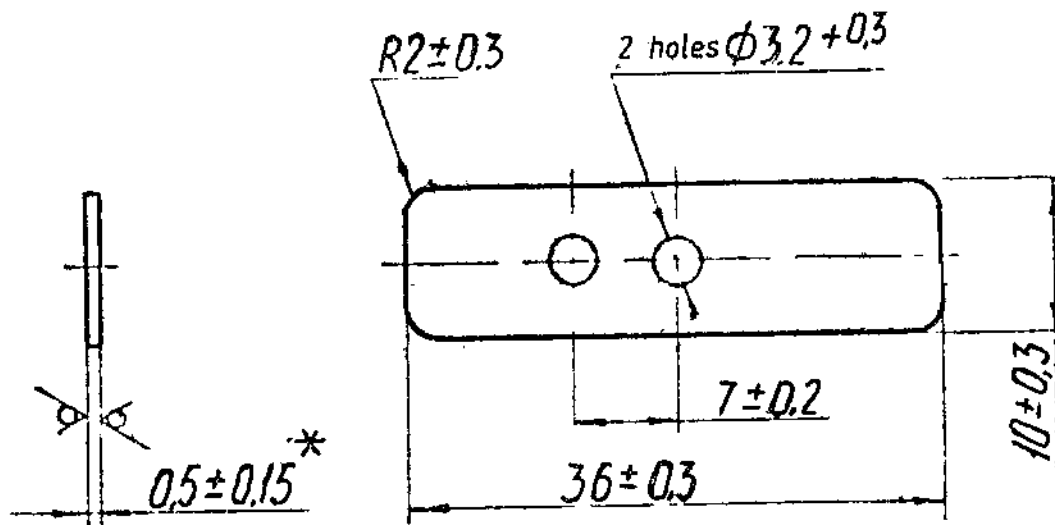
BOARD

Moulding material AT-4B
GOST 20437-75

SHEET	WEIGHT	SCALE
	0.0025	2:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYD-RABAD		

PH 10.014

PH10.015

Rz 160/
(✓)

1. *Dimension is given for reference.
2. Other dimensions are provided with tool.
3. Coat with varnish ГФ-95 GOST 8018-70,
It is allowed to use varnish МЛ-92 GOST 15865-70.

85
I-615

ЕСКА

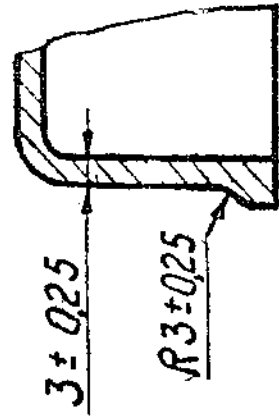
PH10 015

SNOSHT	DOC NO	SIGN	DATE
DRAWN	N. Yesudas	<i>[Signature]</i>	22.12.84
EDT, CHK	B. Sankar	<i>[Signature]</i>	31.12
F/M, DC	S.R. Nair	<i>[Signature]</i>	18.1.85
DIV. OFFR	A.K. KUNJ	<i>[Signature]</i>	15.2.85

GASKET

Glass textolite CT-I-0.5
GOST 12652-74

SHEET	WEIGHT	SCALE
5	0.002	2:1
TOTAL SHEET		
ORDNANCE FACTORY PROJECT HYDERABA		



- 2 Unspecified casting radii are R1, max
- 3 Blunt burrs and sharp edges with $R \approx 0.5 \text{ mm}$
- 4 Provide pattern drafts for internal surface of $1^\circ 30'$ towards increased body that for projection of upto $1^\circ 30'$ towards decreased body
- 5 Cavities on surface B are not allowed
- 6 Impregnate with varnish БН-725r Ty6-10-866-75 in vacuum
- 8 Surface B, internal surface and holes without are varnish coating, threaded holes are without coating
9. Mark inscription БН-10 in casting type 10 as per HO 010 007, Projection of inscription over the plane is 0.7 to 1mm
- 10 Mark serial number of seat with type 3 as per HO 010 007 height of digit is 0.7 to 1mm,
- 11 Coating Chemically, oxidized, fluorinated/enamel МЛ-165, grey GOST 12034-77 III ж1
- 12 Select paint and varnish coating in compliance with OST3-1928-73
- 13 It is allowed to use МЛ-12 grey GOST 9754-76 or enamel МЛ-165, silver GOST 12034-77 instead of enamel МЛ-165 grey GOST 12034-77.

13	2	44441	67-87
12	4	4444	637-80
11	4	4444	566-86

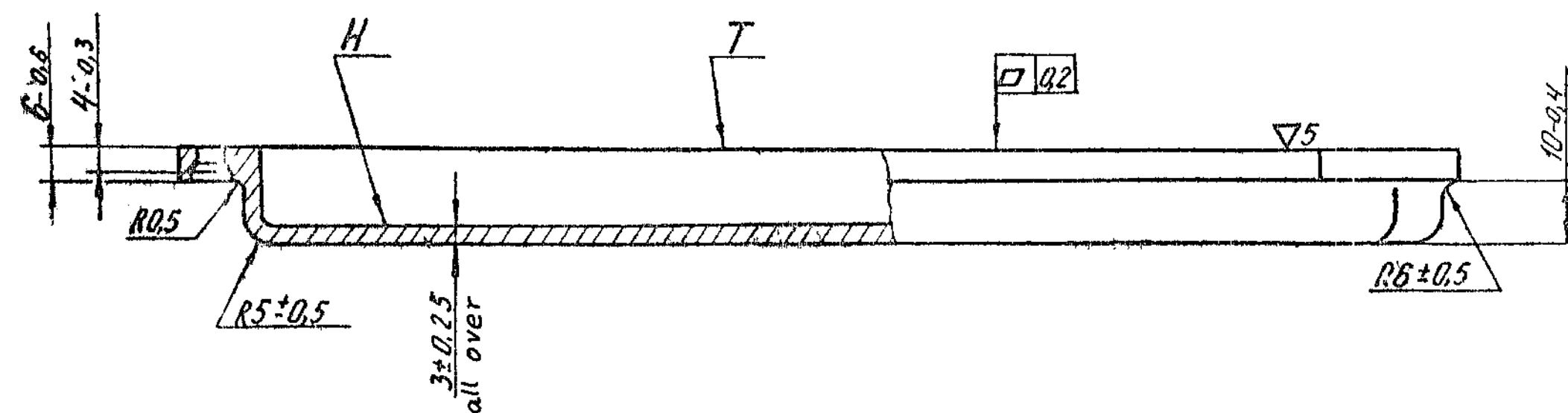
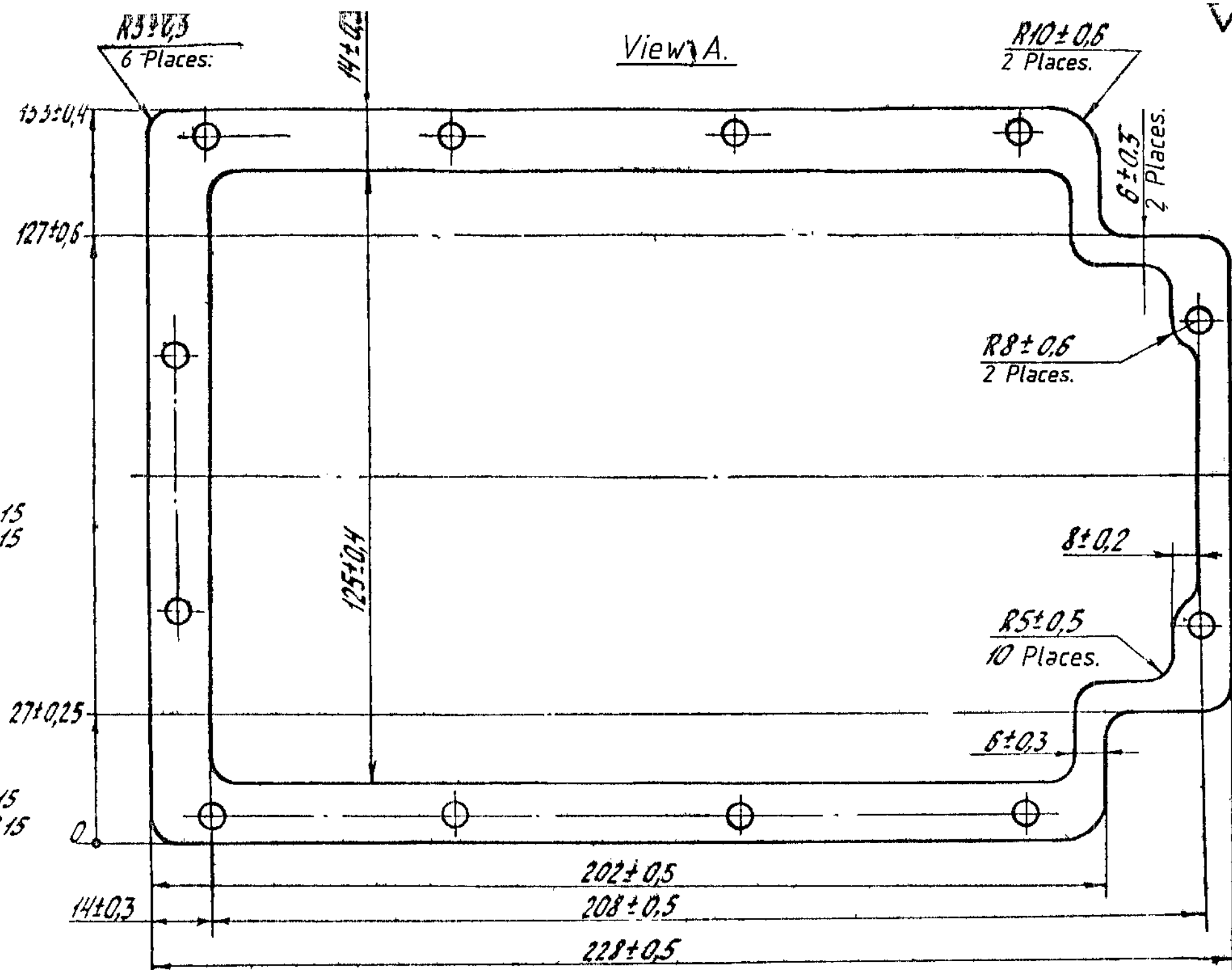
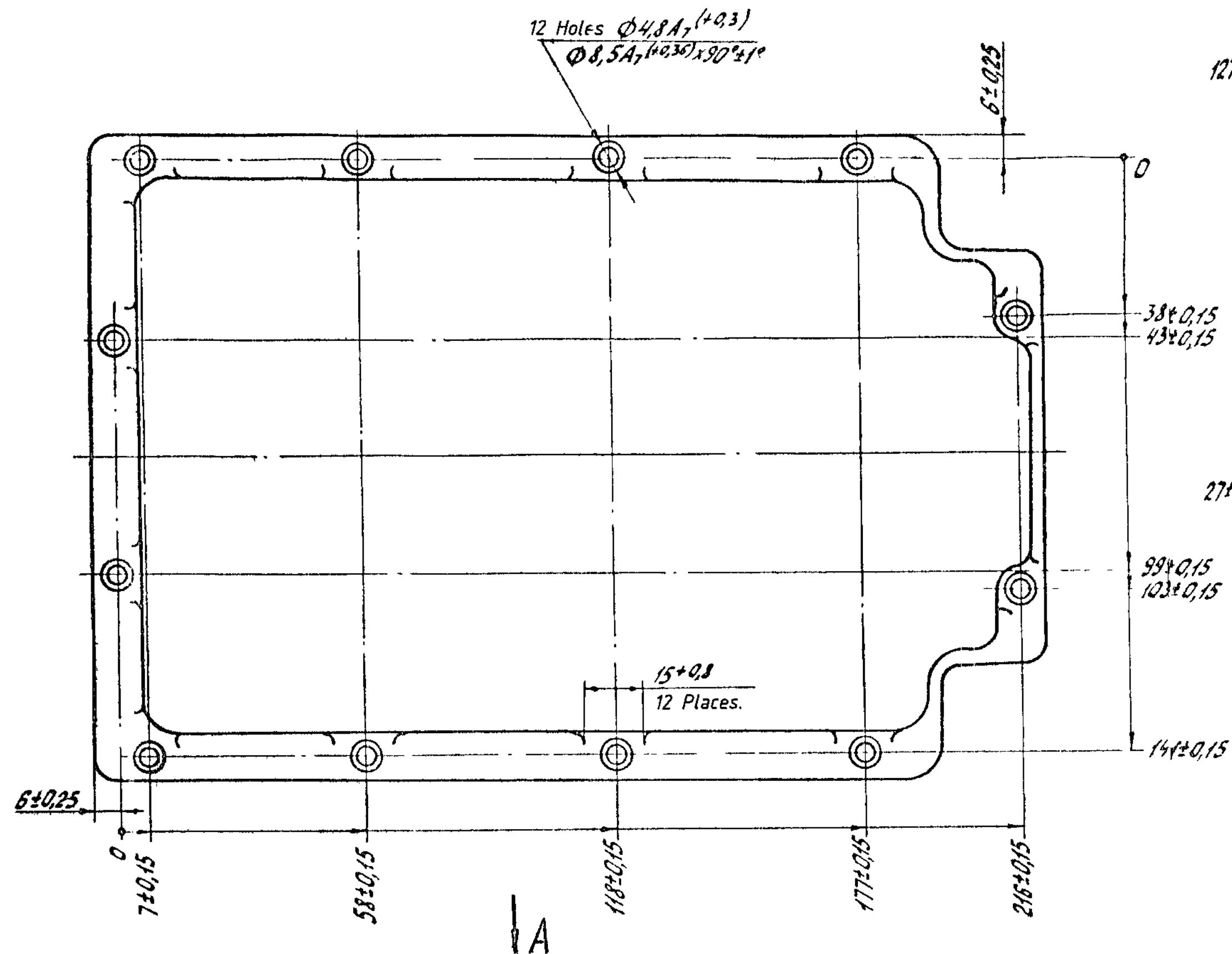
SNOWSH	DOC NO	SIGN	DATE
DRAWN	A. Vesudias	<i>[Signature]</i>	22.12.84
EDIT & CHK'D	B. Saravane	<i>[Signature]</i>	24.12
F/M, D.C.	S R Nair	<i>[Signature]</i>	18.1.85
DIV. OFFR	A.K. Kundu	<i>[Signature]</i>	15.2.85
	NAME	SIGN	DATE

PH10.016

COVER

5 Q106 1:1

<i>Casting</i> 10573-4227-79 0020 Cost: 10573-4227-79	TOTAL SHEETS ORDNANCE FACTORY PROJECT HYDERABAD
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- Unspecified casting radii are R3, max.
- Pattern drafts for internal surfaces are provided 1°30' towards decreased dimensions.
- Cavities and traces from knock-out are not allowed on surface T.
- Blunt sharp edges with chamfers or radiuses 0.5.
- Impregnate in vacuum with varnish BA-725F TY6-10-866-75
- Surface T without varnished coating.
- Coat the internal surface with one layer of enamel MA-12 white, GOST 9754-76.
- Technological grid, height of rib not exceeding 0.8mm is allowed on surface H.
- Coating: -Chemically oxidized, fluorated / enamel MA-165 grey, GOST 12034-77. Ж_1 .
- Select varnish coating in compliance with OST3-1928-73.
- It is allowed to use enamel MA-12, grey, GOST 9754-76 or enamel MA-165, silver, GOST 12034-77 instead of enamel MA-165, grey, GOST 12034-77 and enamel MA-115, white GOST 6465-76 instead of enamel MA-12 white GOST 9754-76.

NO	SH	DOC NO	SIGN	DATE
DRAWN	R.H.PRASAD.			24.12.84
EDT/CHKD	B. Samant			
F/M, D.C.	S.R. NAIR.			18.1.85
DIV. OFFR	A.K. KUNDU			15.2.85
	NAME	SIGN	DATE	

COVER

Casting GOST 3-4227-79
AJ 2.2, GOST 2685-75.

SHEET WEIGHT SCALE.

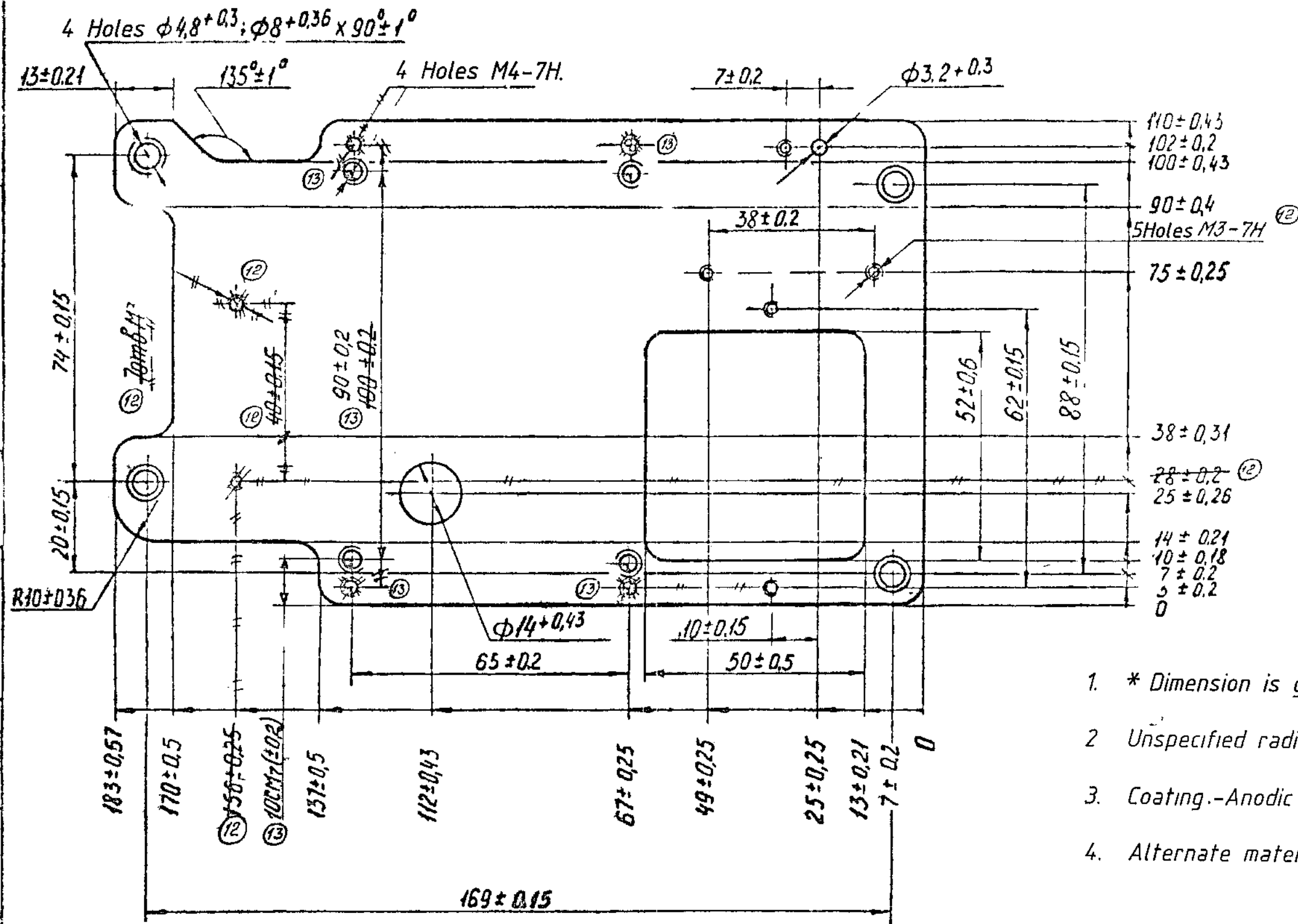
5 0.32 1:1

TOTAL SHEETS

ORDNANCE FACTORY
PROJECT
HYDERABAD

PH10.019

Rz 80/ (✓)



- * Dimension is given, for reference.
- Unspecified radii are $R 5^{+0.4}$ mm.
- Coating.-Anodic oxidation, chromating.
- Alternate material is sheet $\Delta 16T-3$ GOST 21631-76

89
I-615

PH10.019

ENG/SH	DOC NO	SIGN	DATE
DRAWN	RHPRASAD.		24.12.84
EDT/CHKD	B. Sanyal	Bless	24.12.84
F/M, D.C.	SRNAIR	82	18.1.85
DIV. OFFR	A.K. KUNDU	AK.	15.2.85
	NAME	SIGN	DATE

CHASSIS.

Sheet $\Delta 16$ AT - 3
ГОСТ 21631-76.

SHEET	WEIGHT	SCALE
5	0.114	1:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

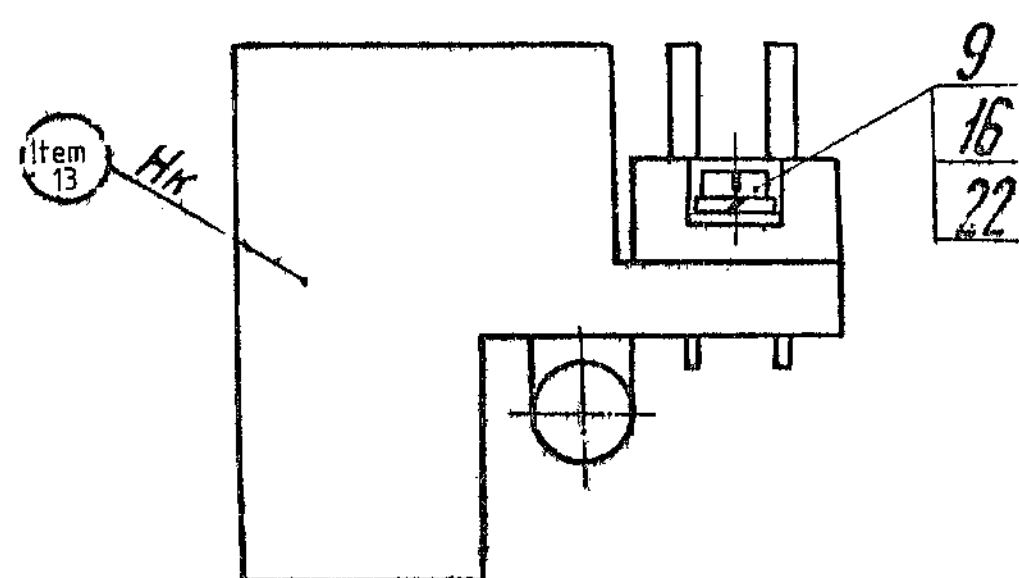
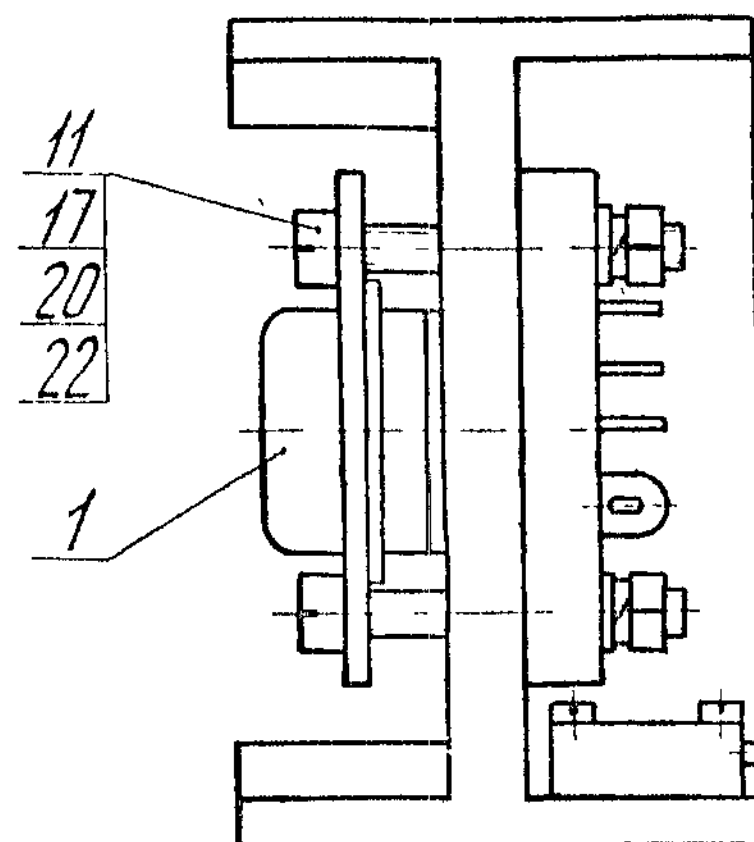
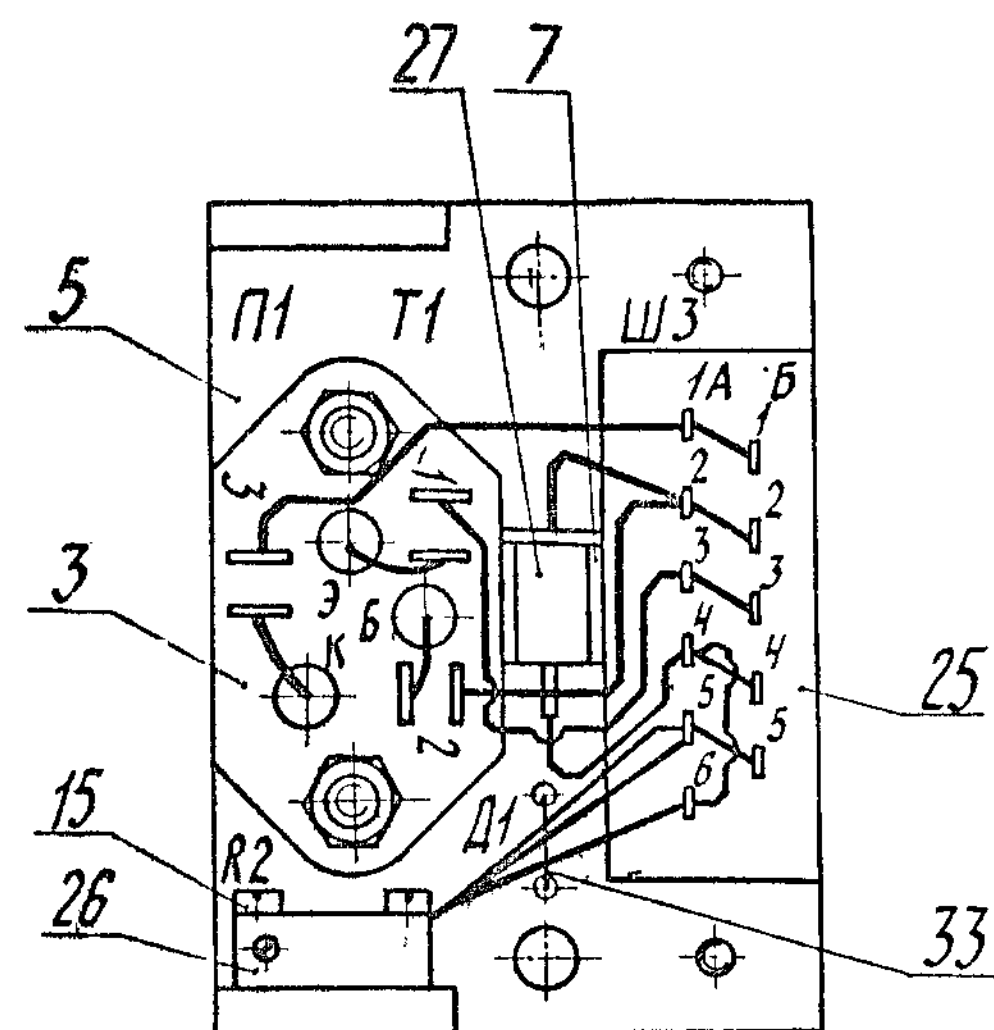


Table of connections

Conductor	Ref no.	From	To	Length M.	Remarks
1	30	T1: 9	П 1 1	0 02	
1	30	T1: K	П 1 3	0 02	
3	30	T1: 5	П 1 2	0 02	
4		R2	Ш 3 5A		Resistor lead
5		R2	Ш 3 5A		Resistor lead
6	30	Ш 3 4 A	Ш 3 6A	0 015	
7		Ш 3 6A	R2		Resistor lead
8		Ш 3 4A	Д 1 "+"		Stabilizer diode lead
9	30	П 1:1	Ш 3 3A	0 03	
10	30	П 1:2	Ш 33 2A	0 03	
11	30	П 1:3	Ш 3 1A	0 03	
12		Д 1 "-"	Ш 3 2A		Stabilizer diode lead
13	30	Ш 3:1A	Ш 3 1B	0 015	
14	30	Ш 3:2A	Ш 3 2B	0 015	
15	30	Ш 3:3A	Ш 3 3B	0 015	
16	30	Ш 3:4A	Ш 3 4B	0 015	
17	30	Ш 3:5A	Ш 3 5B	0 015	

- Jumpers are provided with wire, Ref No 30 with coating cadmium 3microns. Put the sleeve, Ref No 31 on jumpers.
- Carryout the soldering using solder ПСОКС-18 GOST21930-76 With flux ФКен OST4 Г 0 033 000
- Secure the screws, Ref, No 15 with enamel XB-124 grey GOST 10144-74
- Coat the fasteners with enamel XB-124, grey GOST 10144-74
- Secure the stabilizer diode, Ref No 27 and post Ref No 7 with compound Ф6-1C OST 10144-74
- Coat the transistor, Ref No 1 with compound МБК-1 TY6-16-2228-77 as per instruction И-9-79
- Put sleeve, Ref No 32 on lead of stabilizer diode, Ref No 27, running Ш 3, terminal 2A
- Fasten the lead of resistor, Ref No 26 with thread, Ref No 33
- Make the inscriptions with enamel MC-17, black TY6-10-1012-78, type 3 as per HO-010 007 IN places, where it is convenient for reading
- Insulation between the collector of transistor, Ref No 1 and body Ref No 5 before and after potting with compound should withstand a voltage of 500 Volts 50Hz for 1Sec, without breakdown
- In units, specified in SPTA set No 2, resistor, Ref No 26 so that when the unit is changed in regulators PH-10, regulated voltage is in compliance with requirements PH 10 000TY.
- Mark, type 3 as per HO 010 007, with enamel MC-17, black, TY6-10-1012-78
- Technical requirements for electric wiring are as per HO 010 001.

32
I-615

ЕСКА

PH10.020C5

SN	SH	DOC NO	SIGN	DATE
DRAWN	PRASAD	Prasad	21128	
EDT/CHKD	B. Sami	B. Sami	19156	
F/M, DC	S. R. NAIR	S. R. NAIR	15245	
DIV. OFFR	A. K. KUNDU	A. K. KUNDU		
	NAME	SIGN	DATE	

MEASURING
UNIT 5M-10
ASSY DRG.

SHEET	WEIGHT	SCALE
01	2.1	
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYD- RABAD		

9000

1947

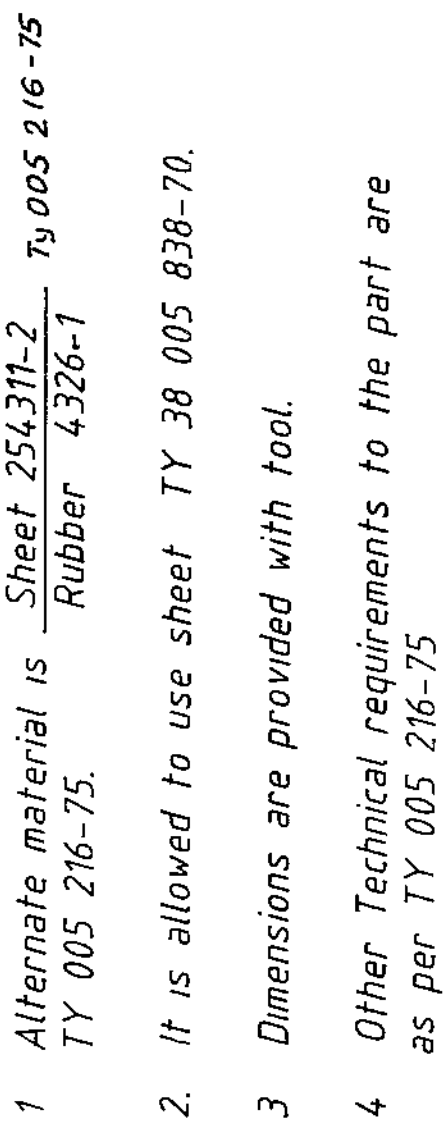
УНБ НПОД	ПОДПИСАНО	ПОДПИСАНО	УНБ НПОД
25656	13/18	12430	

PH40.000

9000

1947

УНБ НПОД	ПОДПИСАНО	ПОДПИСАНО	ПОДПИСАНО	УНБ НПОД
25656	13/18	12430		



90
I-615



PH10.022

GASKET

SNO	SHIT	DOC NO	SIGN	DATE
ID	DRAWN	R.H.PRASAD.		24-12-84
EDIT	CHKD	B.Saravali	GK	with
F/M, D.C.	S.R.NAIR		S ₀₂ =	19-1-85
DIV OFFR	A.K.KUNDU		GK	15-2-85
	NAME		SIGN	DATE

GASKET

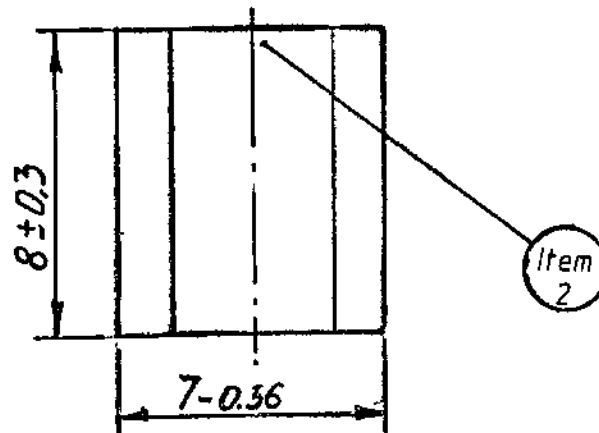
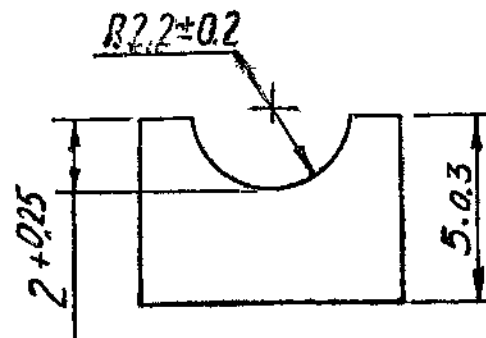
	SHEET WEIGHT SCALE	5	0.017	1:1
		TOTAL SHEETS		
		ORDNANCE FACTORY PROJECT HYDERABAD		

Rubber 98 - I
TY 005 216-75

Rubber 98 - I
TY 005 216-75

PH10.023

25/

91
I-615

- 1 Drafts are upto 2° towards decreased dimensions
- 2 Mark the serial number of seat by casting with type 2 as per HO 010 007
- 3 Other requirements are as per GOST B 84-1602-78
- 4 Alternate material is ACB-4-P-2M, grade O GOST 17478-72

91
I-615

ECKD

PH10.023

SN	SHY	DOC NO	SIGN	DATE
DRAWN		N Yesudas	Je Sob	22.12.84
EDT/CHKD		B. Sankar	Revis	24.12
F.M, DC		S.R Nair	802	18.1.85
D. JOFFR		A.K. KUNDU	AK	15.2.85
		NAME	SIGN	DATE

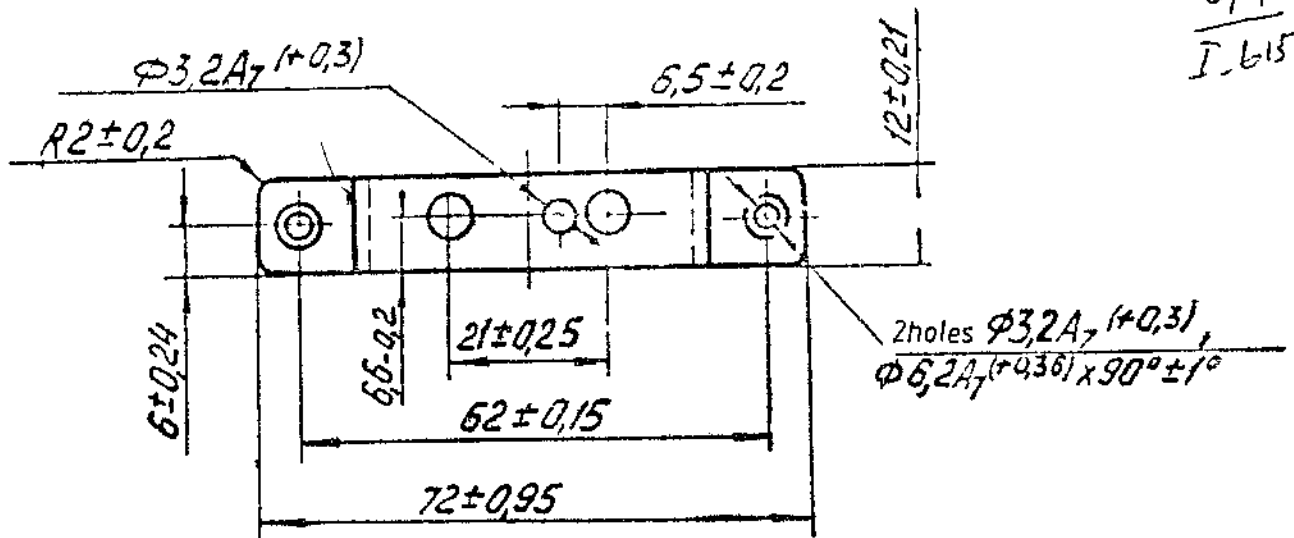
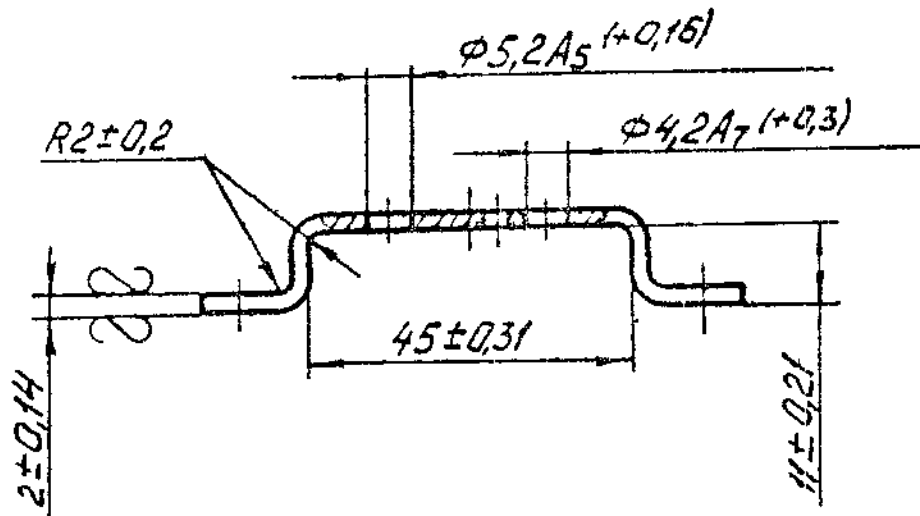
POST

MOULDING MATERIL AT-4B
GOST 20437 75

SHEET	WEIGHT	SCALE
6	0.0004	5:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

PH10.025

▽3(▽)

94
I-615

1 Coating Zinc-plated, 6 microns thick, chromating.
composition of solution for chromating is as per И-252-78

2. Alternate material sheet 52 GOST 19904-74
II BГ 08Kn GOST 9045-70

94
I-615

PH10.025

SNOSHT	DOC NO	SIGN	DATE
DRAWN	N Yesudas		22.12.84
EDT,CHK	B. Sankar		31.12.84
F/M,DC	S.R.Nar		18.1.85
DIV.OFFR	A.K.KUNDU		15.2.85
	NAME	SIGN	DATE

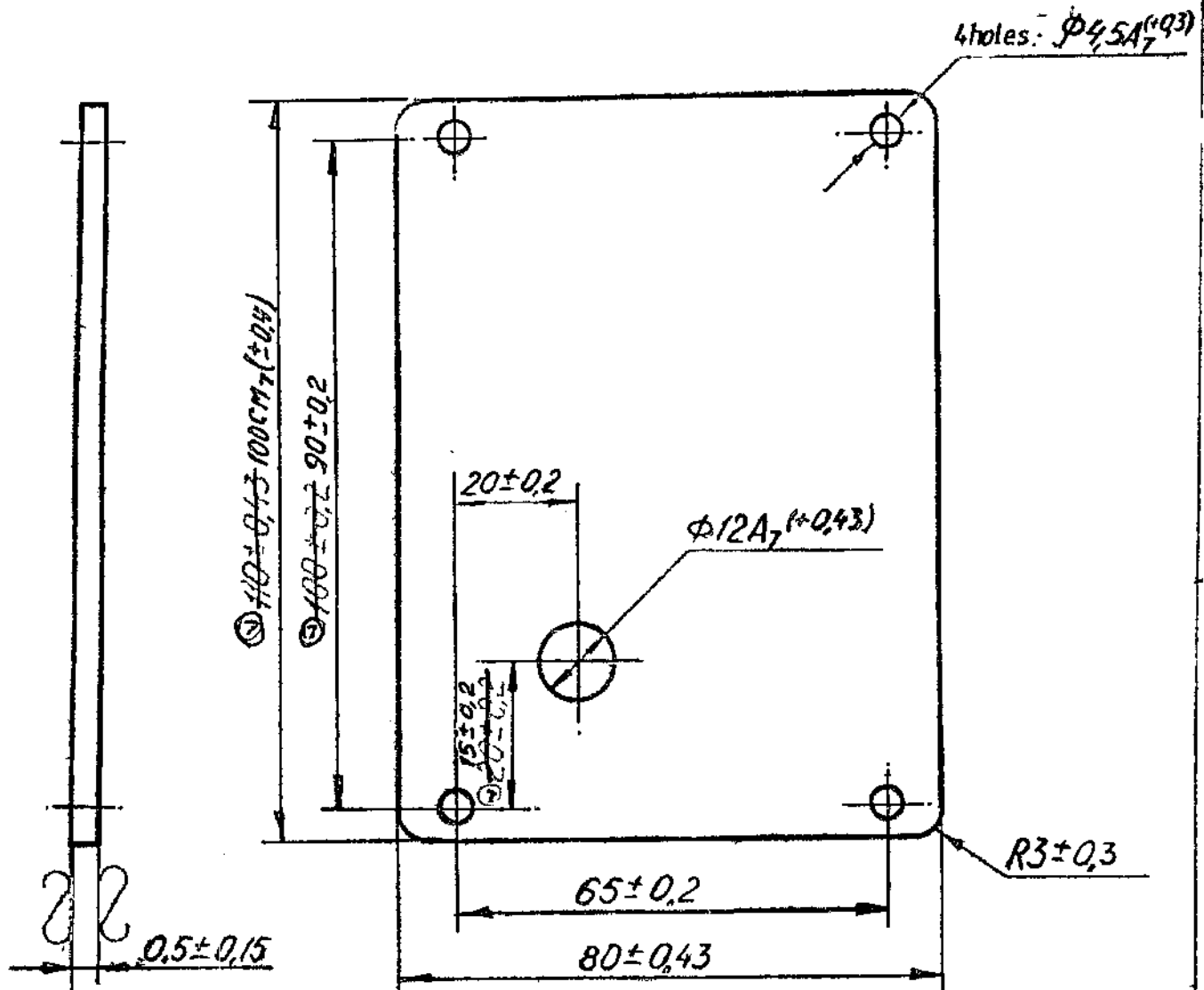
ANGLE PIECE

SHEET	WEIGHT	SCALE
	5.0016	1:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

Sheet 52 GOST 19904-74
4-II10 GOST16523-70

Восстановительный завод

PH10.026

 $\nabla 2(\nabla)$ 

1. Dimensions are given for tool.
2. Coating: Varnish $\Gamma\Phi$ -95 GOST 8018-70. It is allowed to use varnish M.1-92, GOST 15865-70.

95
I-615

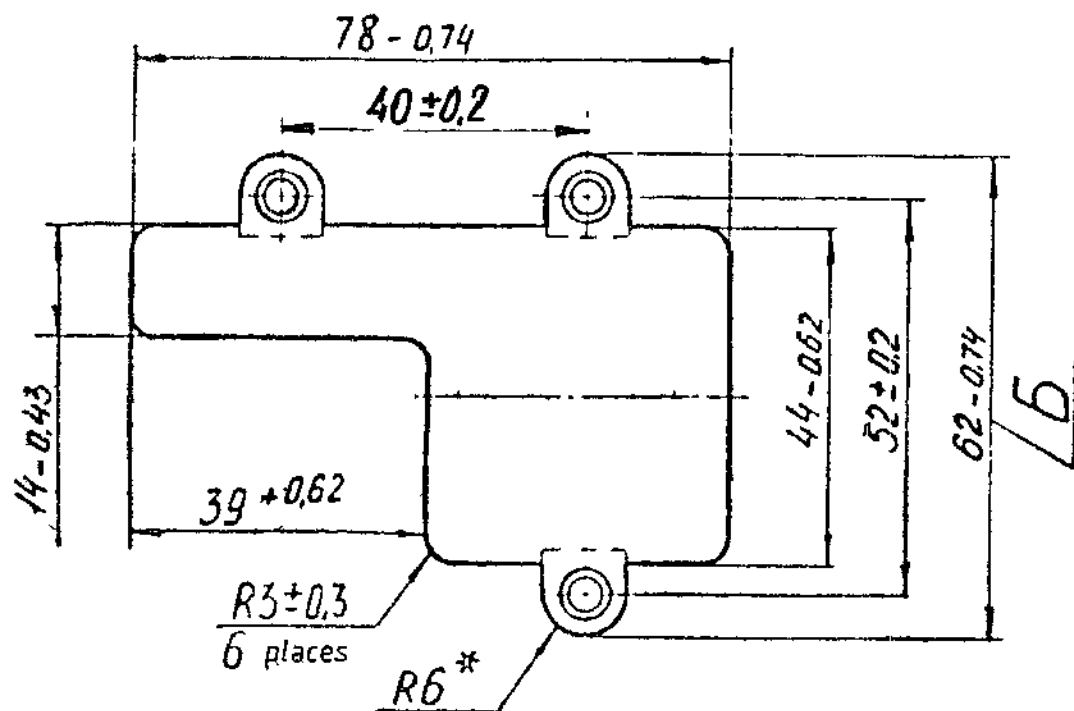
PH10.026

SNO	SHT	DOC NO	SIGN	DATE
DRAWN		N. Yesudas	<i>[Signature]</i>	22.12.84
EDT, CHKD		B. Sankar	<i>[Signature]</i>	27.12.84
F/M, DC		S.R. Nair	<i>[Signature]</i>	18.1.85
DIV. OFFR		A.K. KUNDU	<i>[Signature]</i>	15.2.85
		NAME	SIGN	DATE

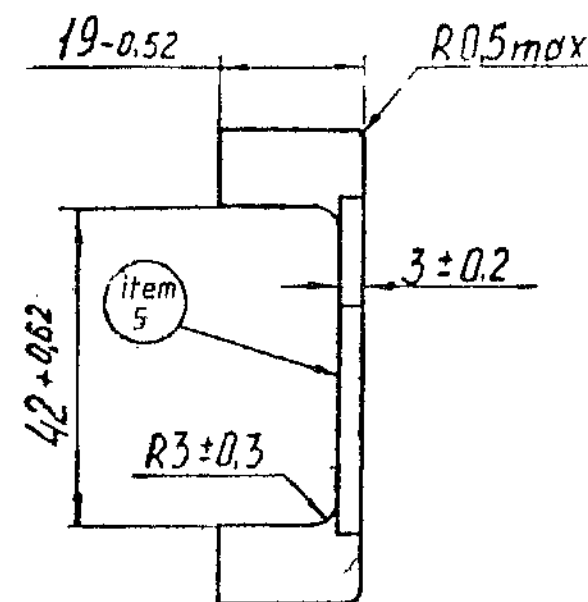
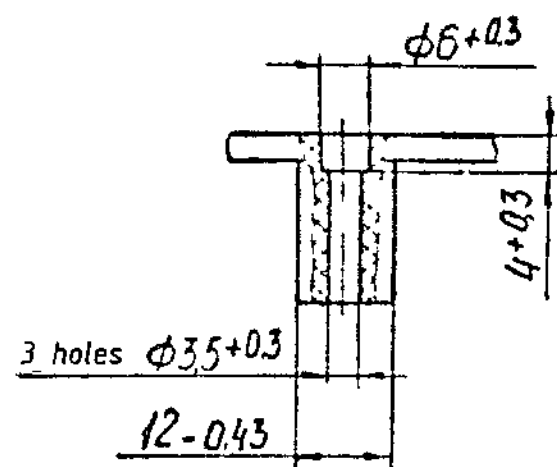
GASKET

Glass textolite CT-1-05
GOST 12652-74

SHEET	WEIGHT	SCALE
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDRABAD		

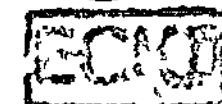


VIEW A



1. Alternate material is ACB-2-P-2M grade 0, ACB-4-P-2M grade 0 GOST 17478-72.
2. *Dimension is provided with tool.
3. Drafts are upto 3° towards increased dimensions, those for holes are upto 1° towards increased dimensions.
4. On dimension B drafts are upto 3° towards decreased dimension.
5. Mark serial No. of seat of mould with type 2 as per HO.010.007.
6. Other requirements are as per OST B 84-1602-78.

96
I-615



PH10.027

CASING

SNOSHT	DOC NO	SIGN	DATE
DRAWN	N Yesudas		22.12.84
EDT,CHKD	B. Sankar		24.12
F/M,DC	S.R.Na II		18.1.85
DIV.OFFR	A.K.KUNDU	A.K.	15.2.85
	NAME	SIGN	DATE

Moulding material Ar-4B
GOST 20437-75

SHEET	WEIGHT	SCALE
5	0.024	1:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

96
I.615

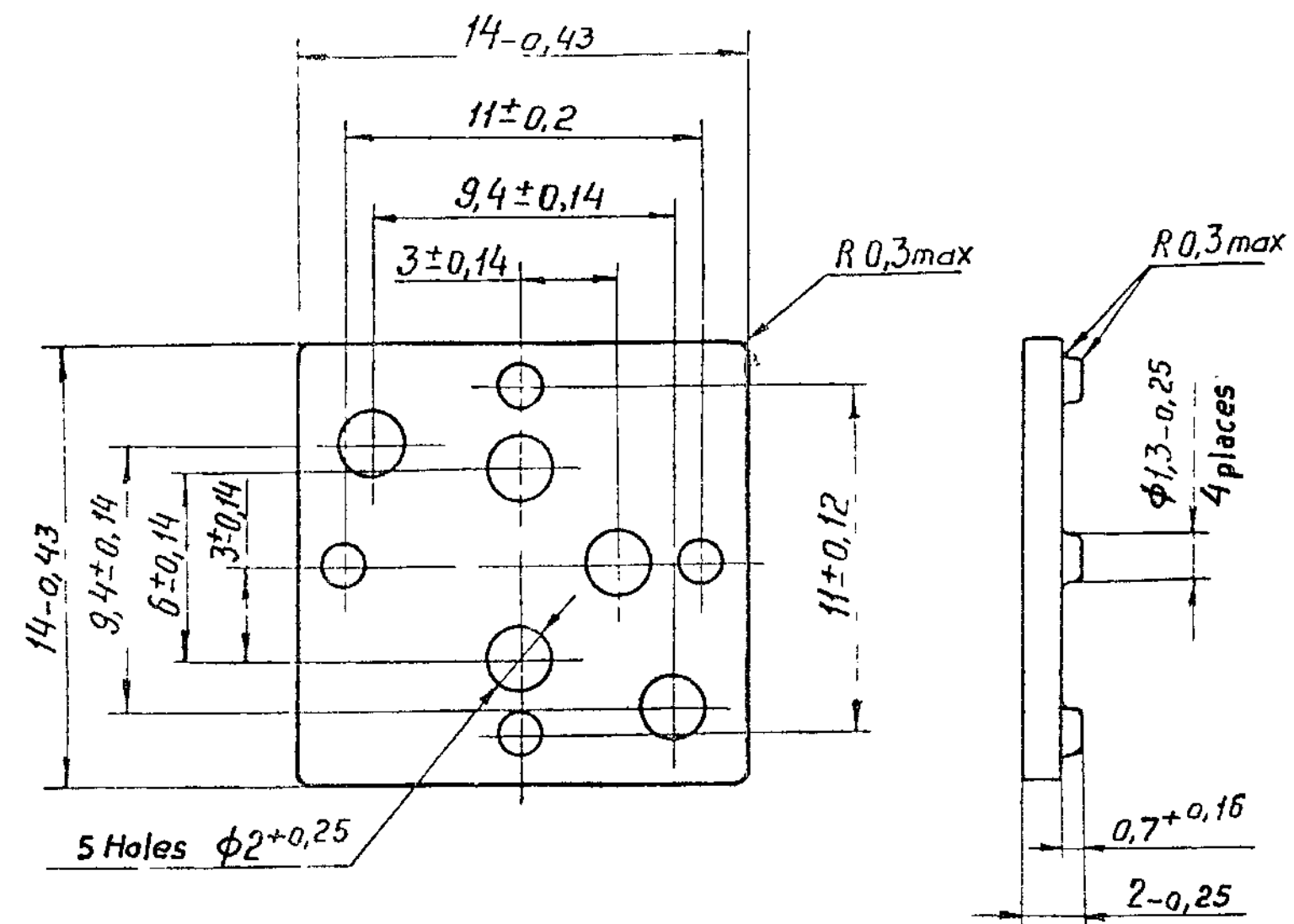
Восстановлен с подлинника

PH-10

19761, Дод. 11.12.75 12435

620'01Hd

1,25
A



1. Technological drafts upto 10° towards increased dimensions are allowed.
2. Other requirements are as per OST B 84-1602-78.
3. Alternate material is polyathylene 18103-035 grade 1, 11803-070, grade 1, GOST 16337-77.

97
I-615

97
I-615

PH10.029

SN	SH	DOC NO	SIGN	DATE
DRAWN		N. Yasudas		22.12.81
EDT/CHKD		B. Samud		22.12.81
F/M, D.C.		S. R. Nair		18.1.85
DIV. OFFER		A. K. KUND		15.2.85
		NAME	SIGN	DATE

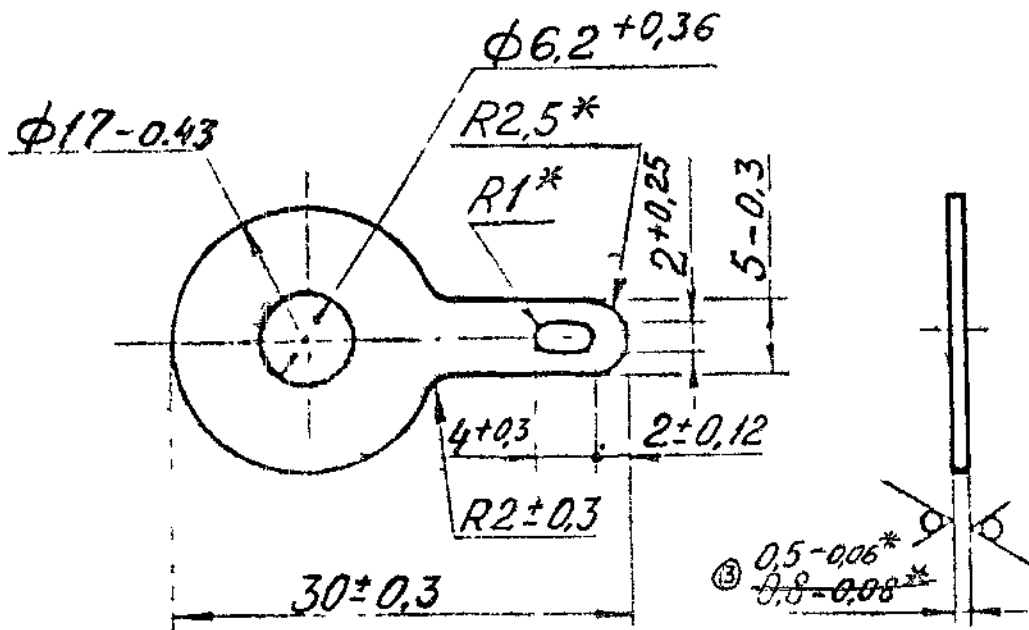
GASKET

Polyathylene 15803-020,
grade 1, GOST 16337-77

SHEET	WEIGHT	SCALE
5	0,0002	5:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

SHEET WEIGHT SCALE			
0.044 1:1			
TOTAL SHEETS			
ORDNANCE FACTORY PROJECT HYDERABAD			

PH10.033

Rz 80 $\checkmark$ ($\checkmark$)

1. Alternate material is band AnPHM0.5 Л63 GOST 2208-75.
2. *Dimensions are given for reference.
3. Coating: Tin-bismuth, 9 microns.

99

I-615

ECK

PH10.033

SNO	SRT	DOC NO	SIGN	DATE
DRAWN	N	Yesudas	<i>[Signature]</i>	22.12.84
EDT,CHKD	B.	Samuel	<i>[Signature]</i>	31.12
F/M,DC	S.R	Nair	<i>[Signature]</i>	18.1.85
DIV.OFFR	A.K.	KUNDU	<i>[Signature]</i>	15.2.85
NAME			SIGN	DATE

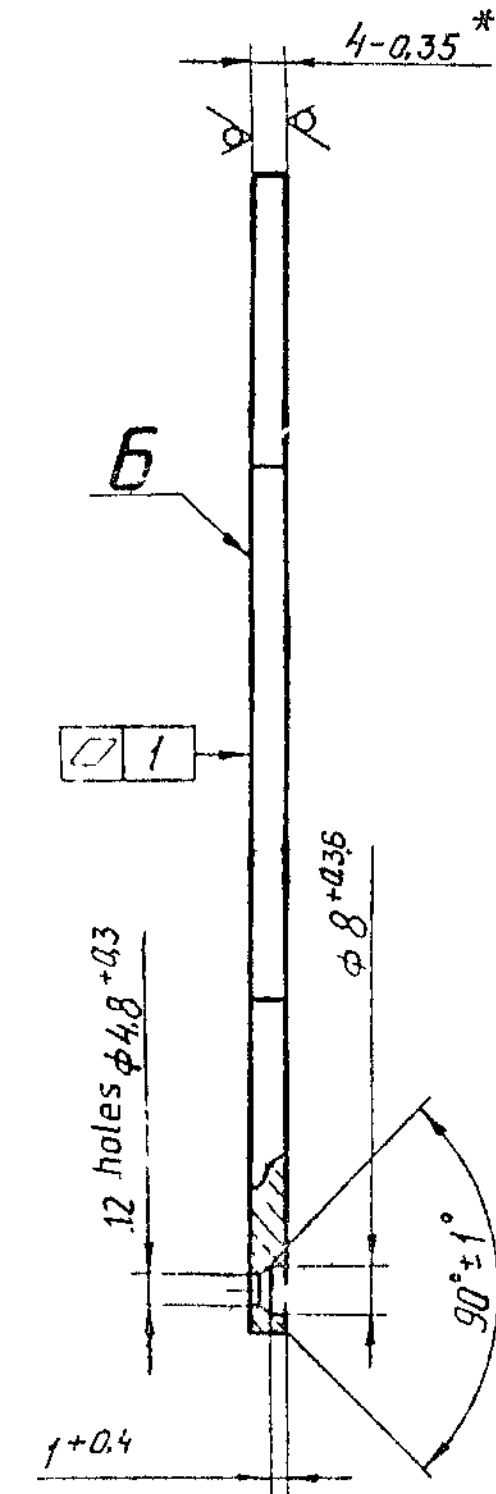
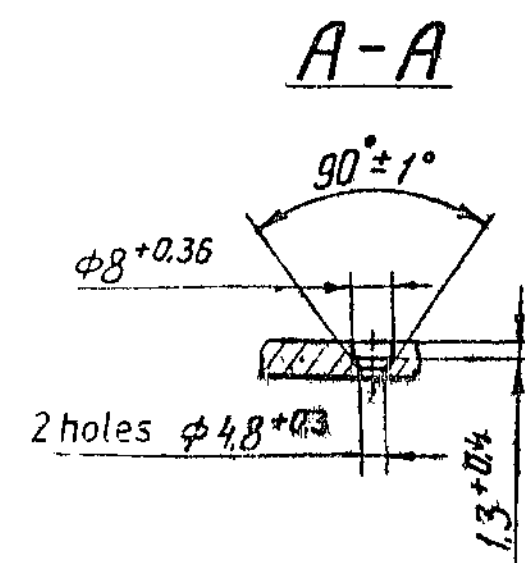
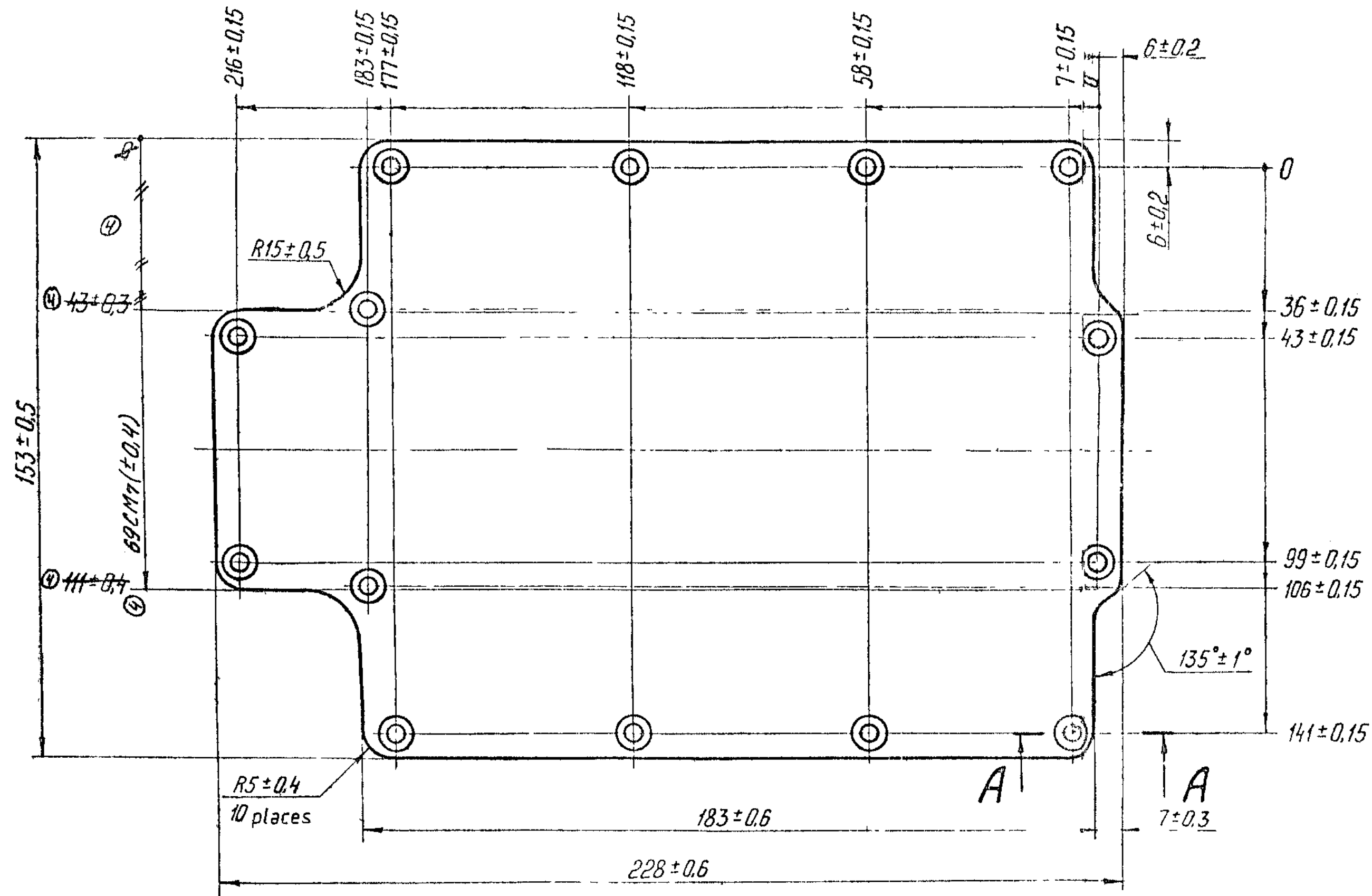
LUG

SHEET WEIGHT SCALE.

1,9 2:1

TOTAL SHEETS

ORDNANCE FACTORY
PROJECT
HYDERABADSheet AnPM 05 Л63
GOST 931-78



- *Dimension is given for reference.
- Micks and tool marks on surface B at a distance 15mm from edge are not allowed, on the other part of surface B tool marks to a depth not exceeding 0.5mm are allowed.
- Coating: Anodic oxidation chromating/enamel MЛ-165 grey GOST 12034-77 III Ж1
- Surface B is without varnish coating.
- Select varnish coating in compliance with OST3-1928-73.
- It is allowed to use enamel MЛ-12 grey GOST 9754-76 or enamel MЛ-165 silver GOST 12034-77 instead of enamel MЛ-165 grey GOST 12034-77.
- Alternate material is sheet A16T-4 GOST 21631-76

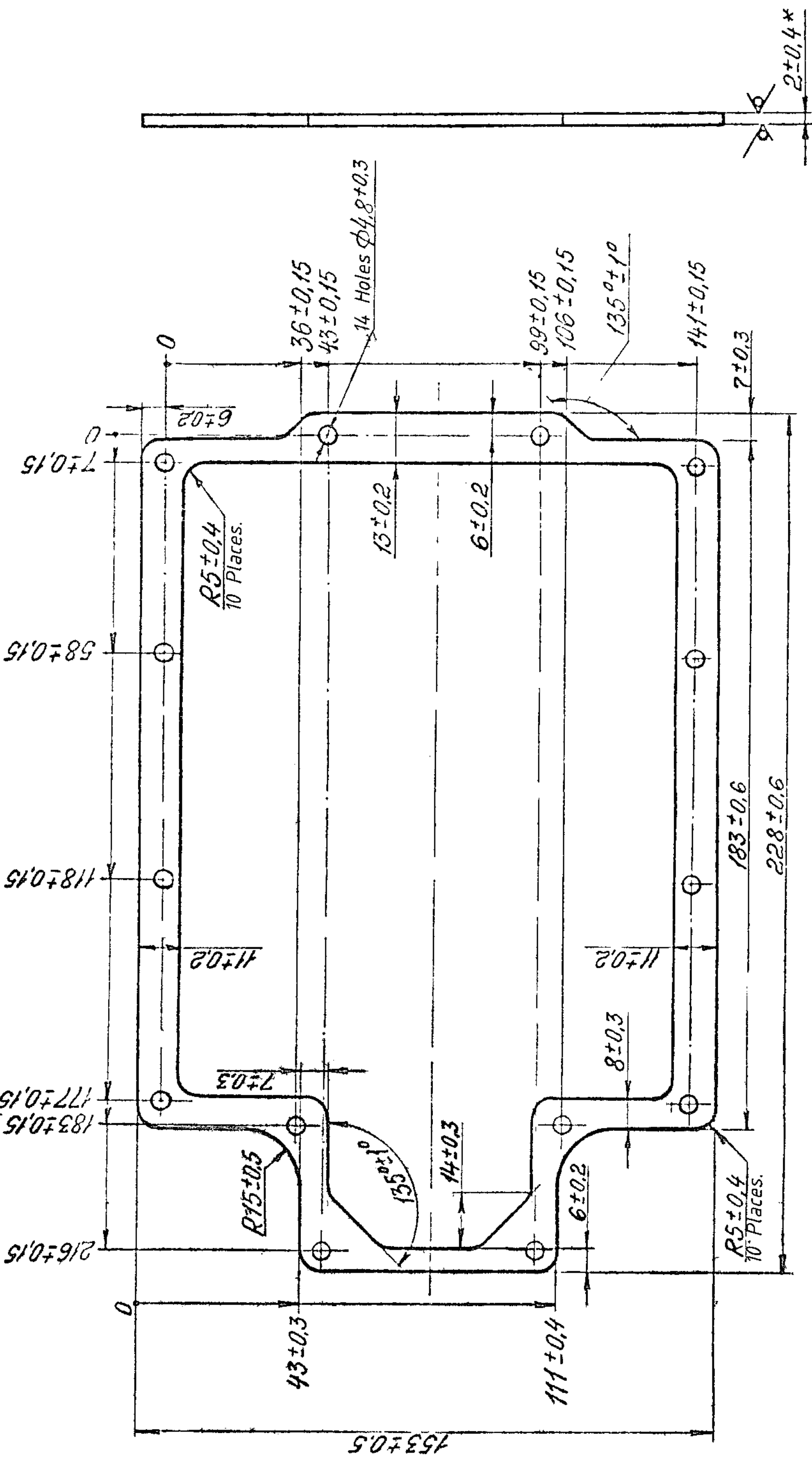
100
I-615

PH10.034

5-1 ALL 862 1/4-81				SHEET WEIGHT SCALE		
DRAWN	N. Yegorov	DATE	22.12.81	COVER		
EDT. CHKD	L. Savitskiy	DATE	31.12.81	TOTAL SHEETS		
F/M, DC	S. P. Vain	DATE	18.1.85	ORDNANCE FACTORY		
DIV. OFFR	A. K. KUNDU	DATE	15.2.85	PROJECT		
NAME	SIGN	DATE		HYDERABAD		

Sheet A16AT-4
GOST 21631-76

PH10.035



1. Alternate material is sheet as per TY38 005 838-70. It is allowed to manufacture from rubber 98-1, gasket is as per TY 005 216-75
2. * Dimension is given for reference, other dimensions are provided by tools which are checked not less than once quarterly.
3. Mark Y on the tag to batch
4. Other Technical requirements are as per TY005 216-75.

101
I-615

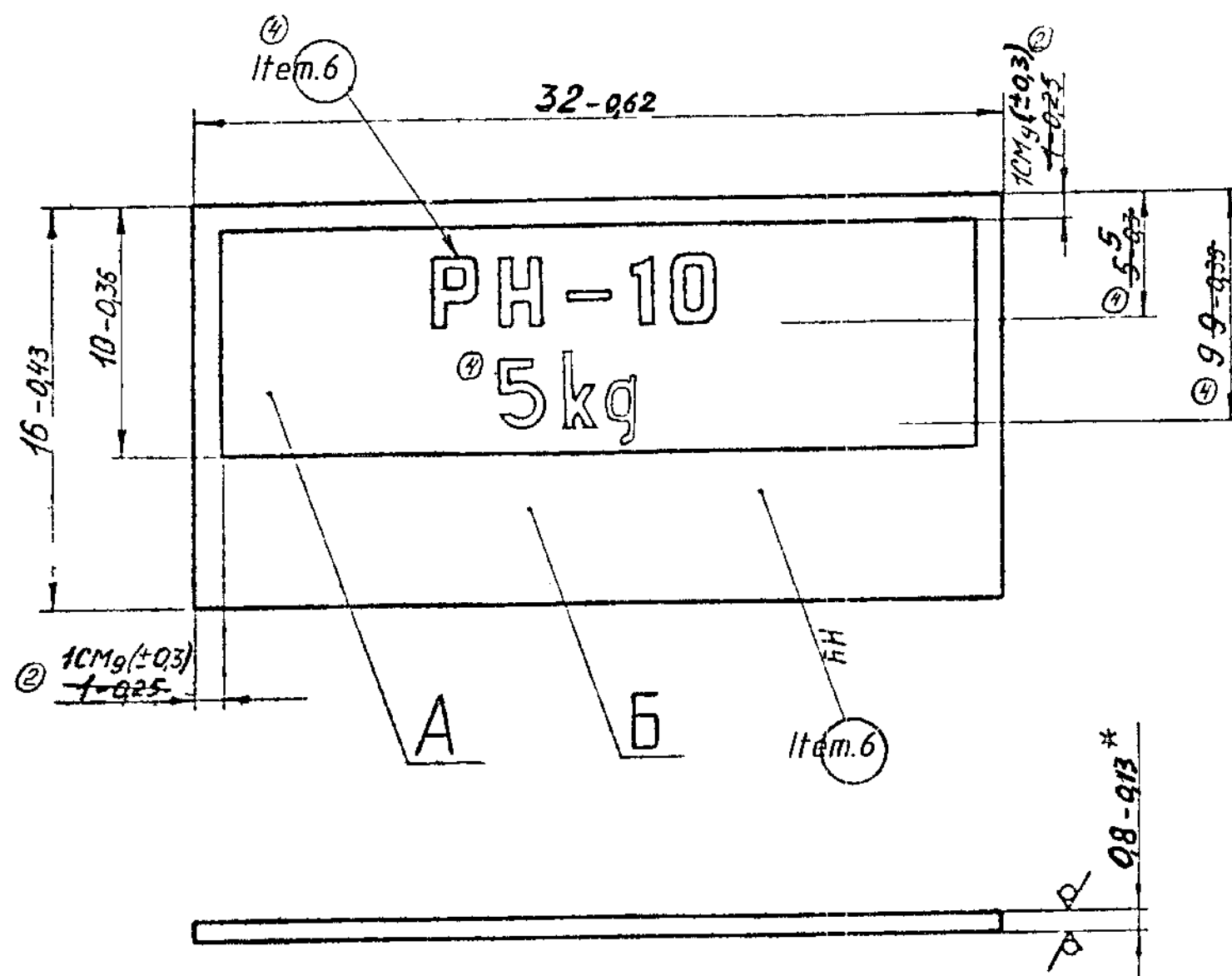
ECKM

PH10.035

SHEET WEIGHT SCALE:		TOTAL SHEETS	
5	0.016	1:1	
GASKET		ORDNANCE FACTORY	
Sheet 254311-2 TY005216-75, PROJECT		HYDERABAD	
Rubber 4326-1			
DRAWN	R.H. PRASAD	SIGN	DATE
EDT, CHKD	K. JAIN	SIGN	DATE
F/M, DC	S. NAIR	SIGN	DATE
DIV. OFFR	A. K. KUNDU	SIGN	DATE
NAME		SIGN	DATE

PH10.036

Rz160/✓(✓)



- * Dimension is given for reference.
- Make the plate by photochemical method.
- Surface A should have with uniform painting. Colour of painting is from black to blue Surfaces not free of photograph and inscriptions should have colour of metal.
- Coat the surface A and B after applying serial number with varnish AK-113 TY-6-10-1296-75.
- Mark with type 3 as per H0.010.007.
- Fill serial number with enamel MC-17, black, TY 6-10-1012-78.

102
I-615

PH10.036

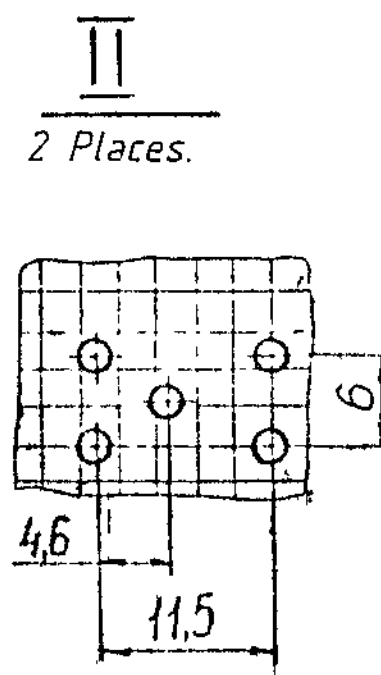
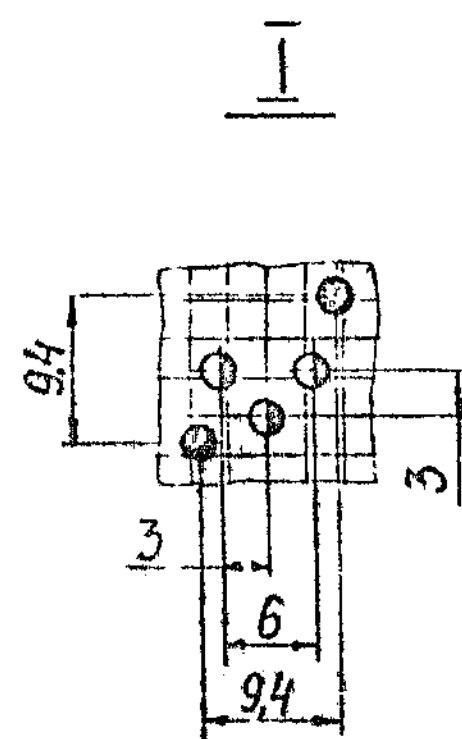
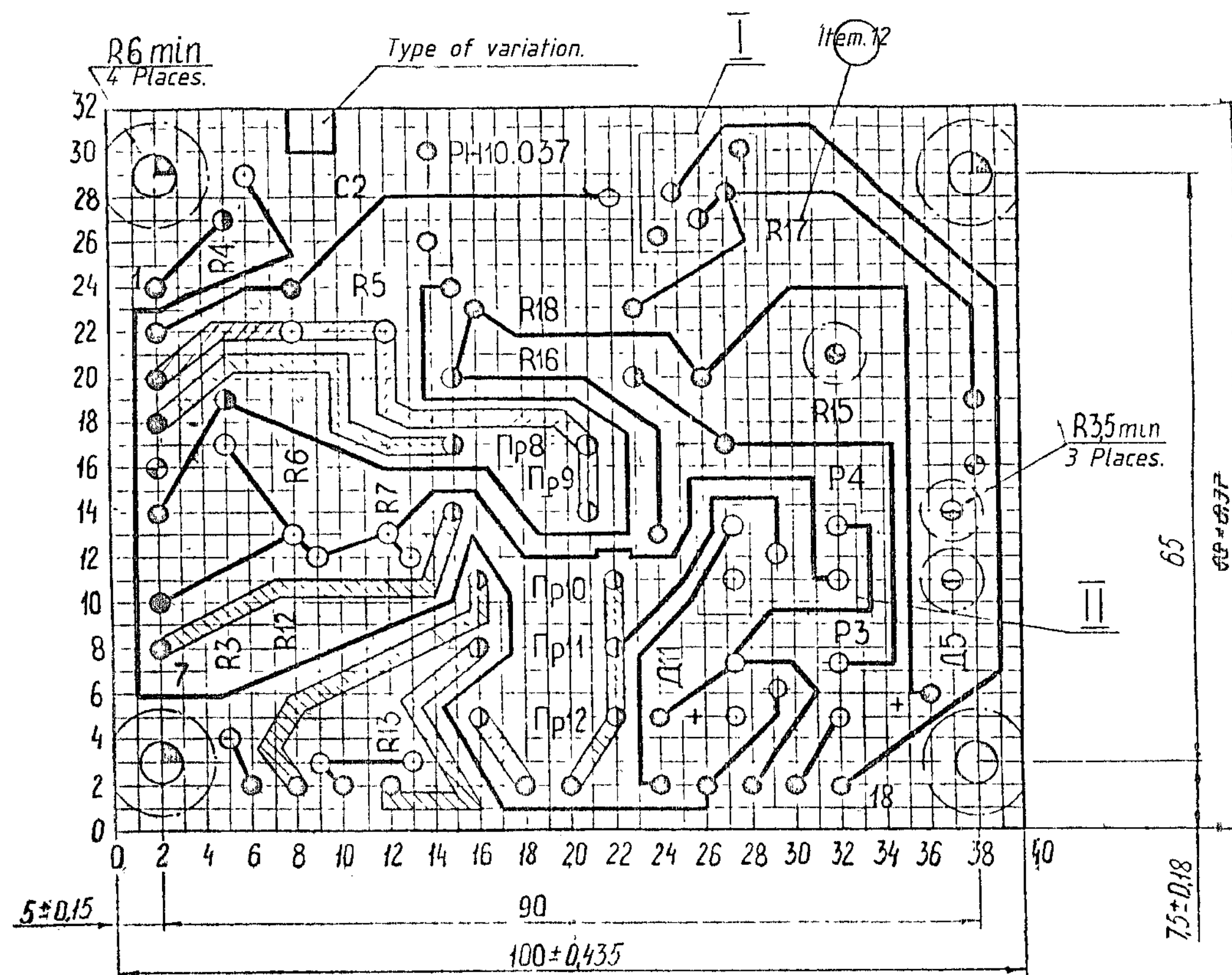
SNOSHT	DOC NO	SIGN	DATE
DRAWN	RHPRASAD		22.12.84
EDT,CHKD	DK SAIN		29.12.84
F/M,DC	SRNAIR		19.1.85
DIV.OFFR	A.K.KUNDU		15.2.85
	NAME	SIGN	DATE

PLATE

SHEET	WEIGHT	SCALE
5	1.112	4:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

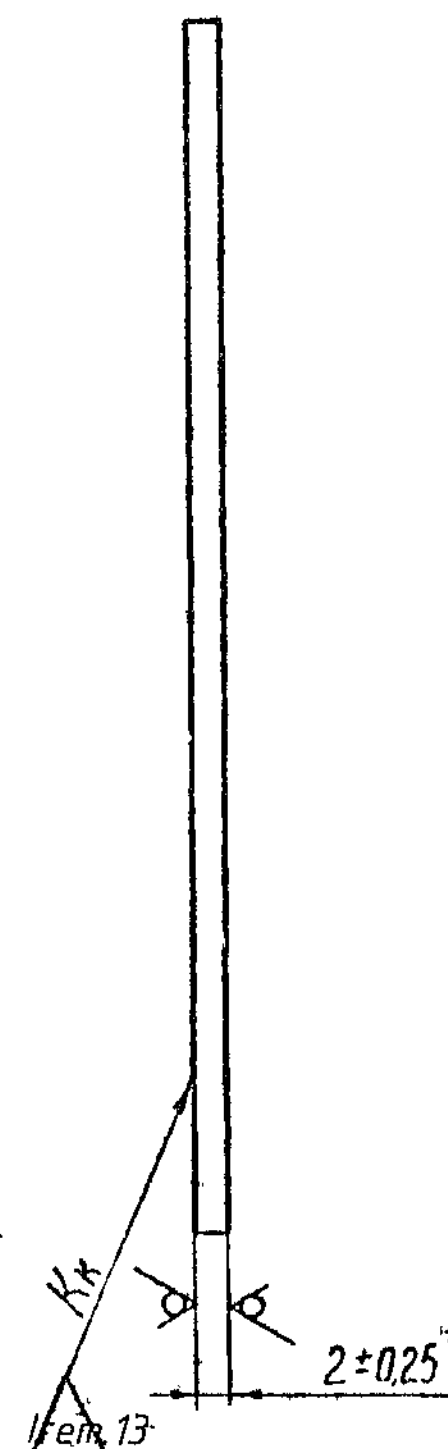
Sheet PLAT - 0.8
FOCT 21631-76.

3



Designation of hole.	Diameter of hole mm.	Diameter of contour sinking in mm	Presence of bonding.	Qty.
●	10 ± 0.12	12 ± 0.2 x 70° min.	Available	32
⊕	13 ± 0.12	15 ± 0.2 x 70° min.	Available	22
⊙	18 ± 0.12	20 ± 0.2 x 70° min.	Available	17
⊗	2.2 ± 0.12	—	Not available.	2
⊗	2.8 ± 0.12	—	Not available.	2
⊗	3.2 ± 0.30	—	Not available.	1
⊗	4.5 ± 0.30	—	Not available.	4

1. Make the board by combination negative method.
2. * Dimension is given for reference.
3. Board should correspond to OST 4.077.000.
4. Grid coordinate pitch is 2.5 mm
5. Provide the shape of conductors as per the coordinate grid with deviation of ±15 mm from the drawing.
6. Places shown by dash-dot line are not to be occupied by conductors.
7. Width of conductor in tight places is not less than 0.3mm.
8. Width of cross-hatched conductors is not less than 2mm.
9. Distance between the conductors and terminal strips in tight places is not less than 0.5mm.
10. Profile of contact strip is arbitrary Undersized terminal strip of upto 0.15mm from the edge of counter sinking.
11. Limit deviations of the centre to centre distance of holes is ±0.2
12. Mark with type 2.5 as per H 0.010.007.
13. Stamp.



PH10.037

SN	SH	DOC NO	SIGN	DATE
DRAWN		R.H. PRASAD		22.12.84
EDT, CHKD		D. K. JAIN		19.12.84
F/M, DC		S. R. NAIR		18.12.84
DIV. OFFER		A. K. KUNDU		15.12.84
		NAME	SIGN	DATE

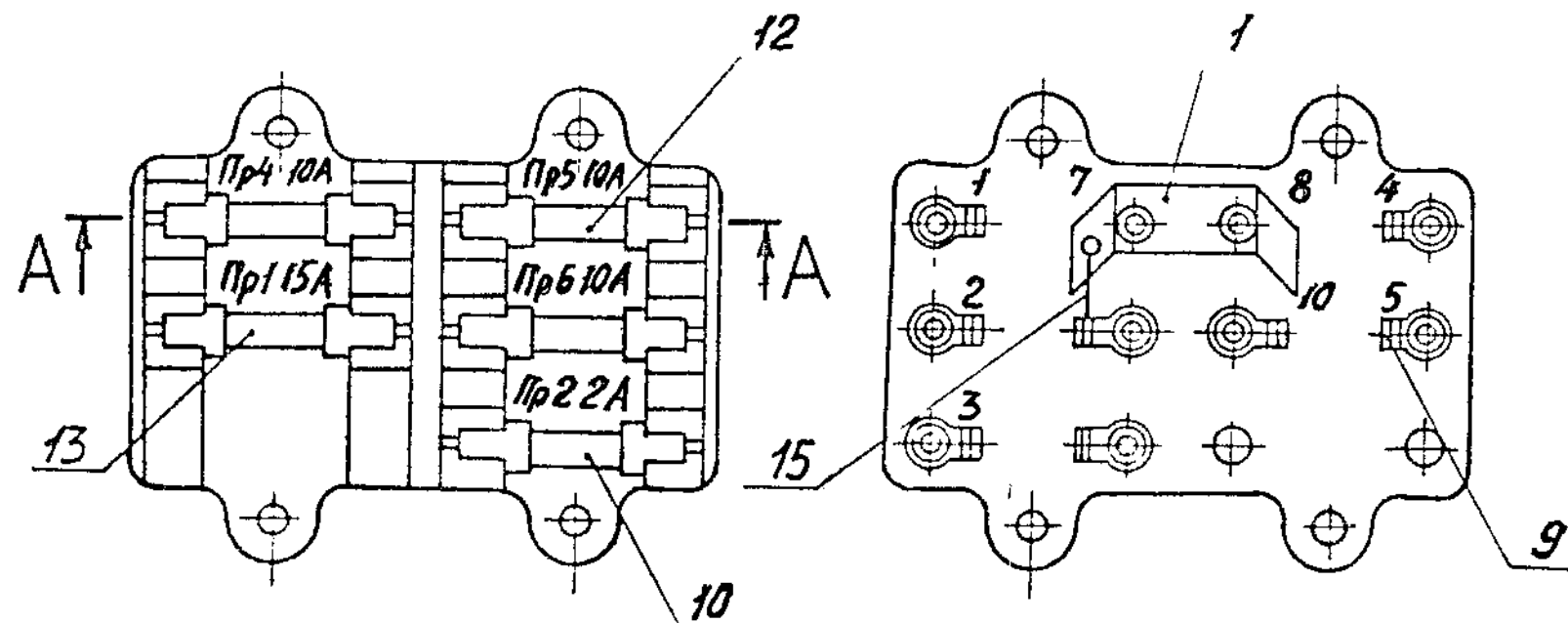
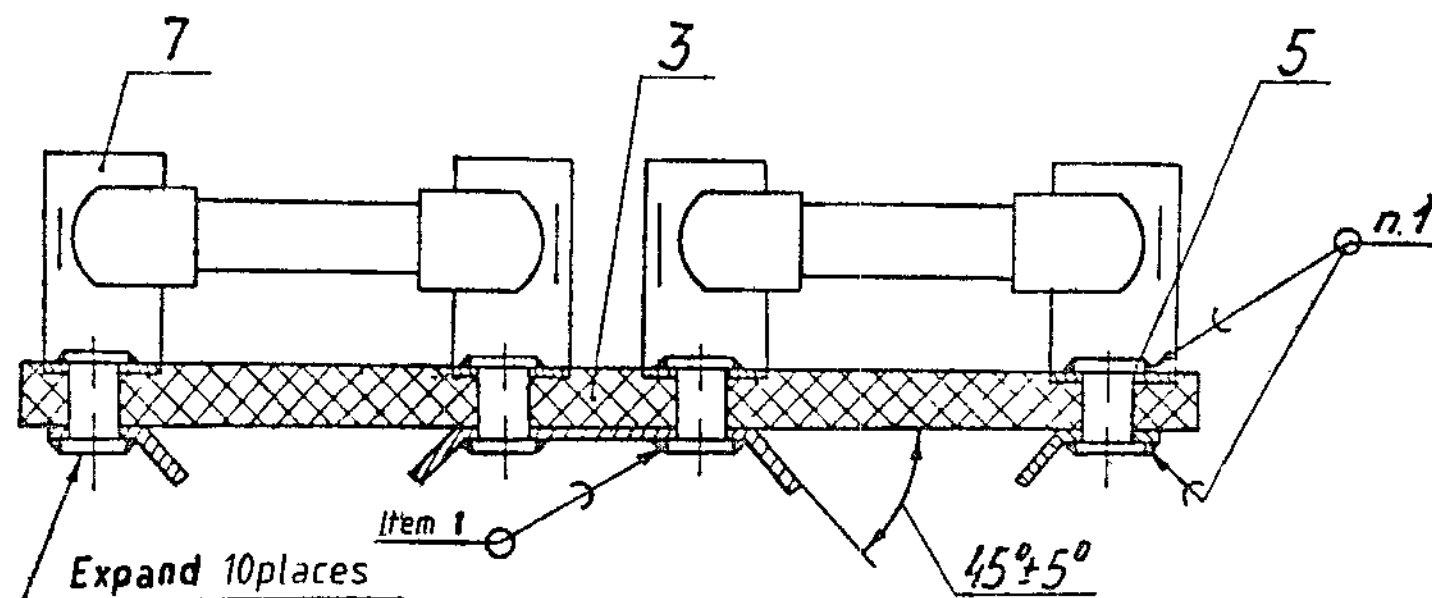
BOARD.

Glass textolite CØ-1-50-2
ГОСТ 10316-78.

SHEET	WEIGHT	SCALE
5	31gms.	2:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

PH 10.040CB

Rear view

A-A
M2:1

1. Solder with ПОССу40-2 GOST21930-76 flux Φ KCh
OST4Г 0.033.000

2. Wipe the jaws, Ref.No.9 and fuses with ethyl alcohol
GOST17299-78 before installing the fuses, Ref No s 10,
12,13.

3. For providing contact it is allowed to bend jaws,
Ref.No.9.

4. Provide inscription with enamel MC-17, black, TY6-10-1012-
78 type 3 as per HO 010.007 in places where it is
convenient for reading.

35
I-615

ЕСКД

PH 10.040CB

SNOSHT	DOC NO	SIGN	DATE
DRAWN	PRASAD	Prasad	22.12.84
EDT,CHKD	S. S. S. S.	S. S. S. S.	24.11.84
F/M,DC.	S. R. N. A. I. R.	S. R. N. A. I. R.	18.1.85
DIV.OFFR	A. K. K. U. N. D. V.	A. K. K. U. N. D. V.	15.2.85
	NAME	SIGN	DATE

.BOARD
ASSEMBLY DRAWING

SHEET/WEIGHT/SCALE

5	0.1	1:1
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TOTAL SHEETS

ORDNANCE FACTORY
PROJECT
HYDERABAD

Копировал

Формат 12

Восстановлен с подлинника

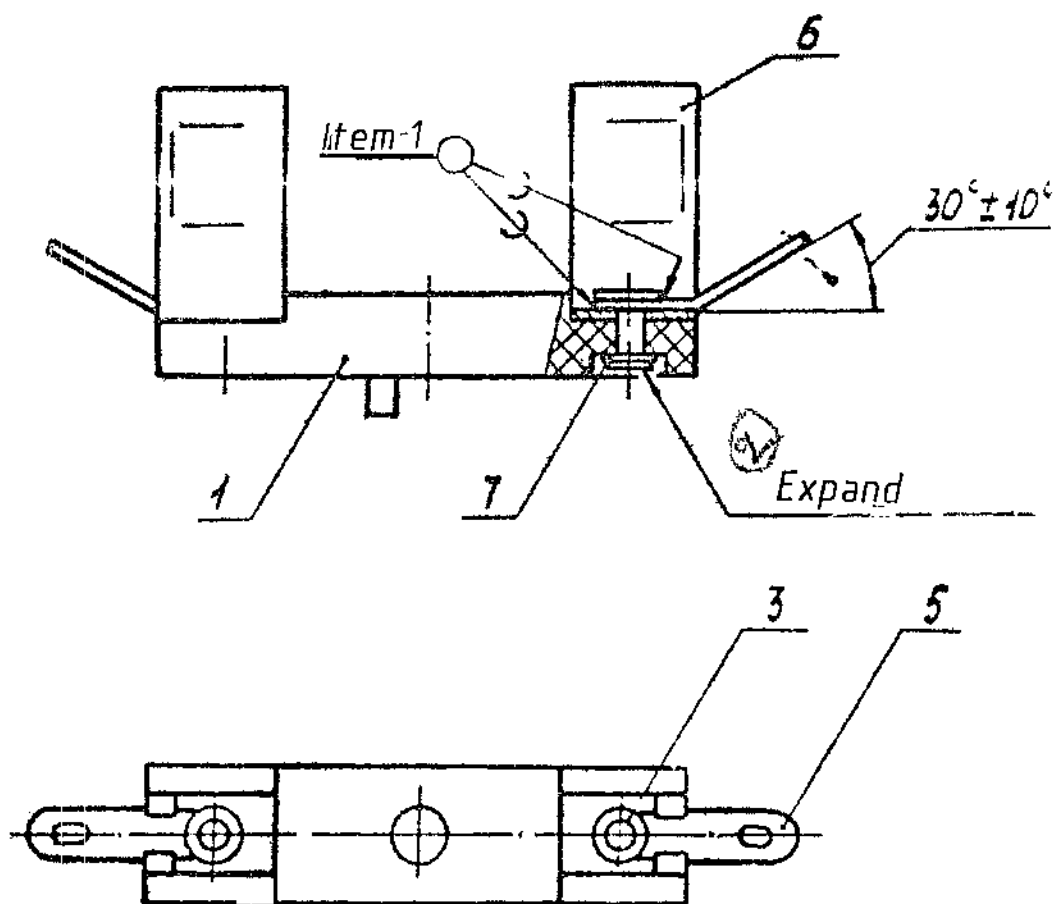
12437

Подп. 30.1.80

28335

PH10.060 C5

PH10 060



Designation	Coating of soldered joints
PH10 060	—

- 1 Solder the rivet, Ref No 3 to the parts, Ref No 5 and 6 with solder ПОССы 40-2 GOST21930-76 with flux OCT 4ГО.033.000
- 2 For providing contact it is allowed to bend jaws, Ref.No.6.

37
I-615

PH10.060 C5

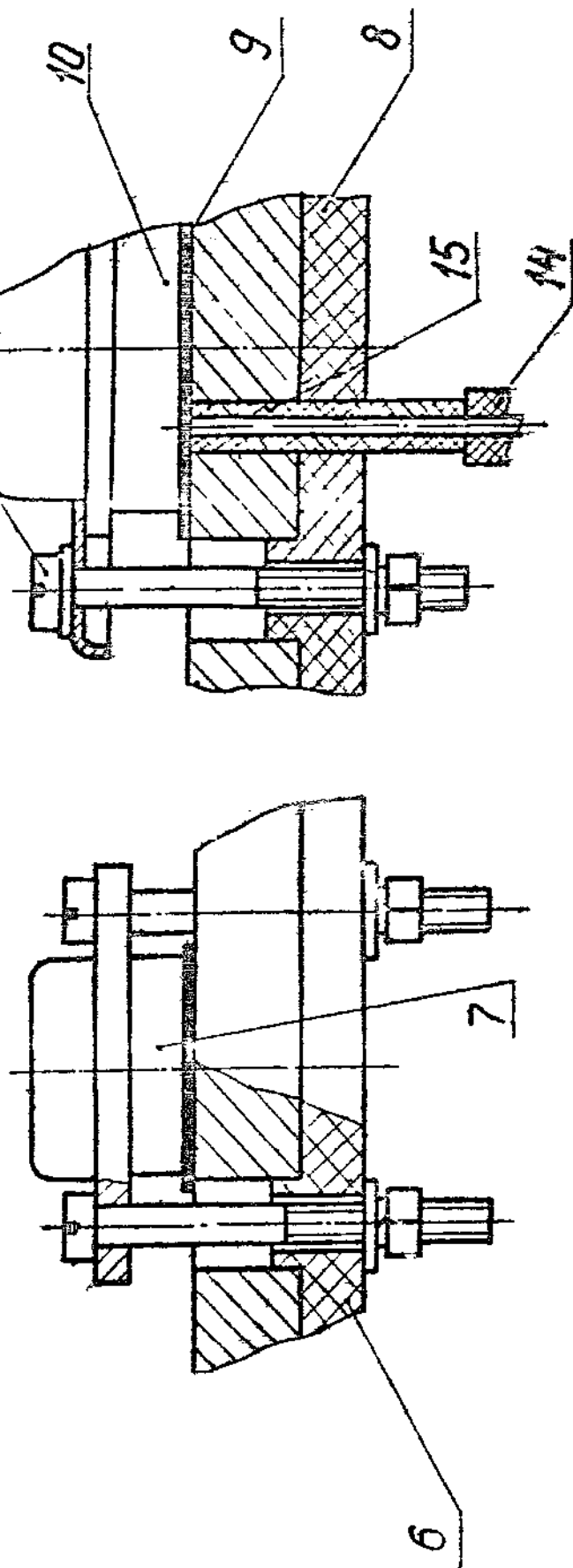
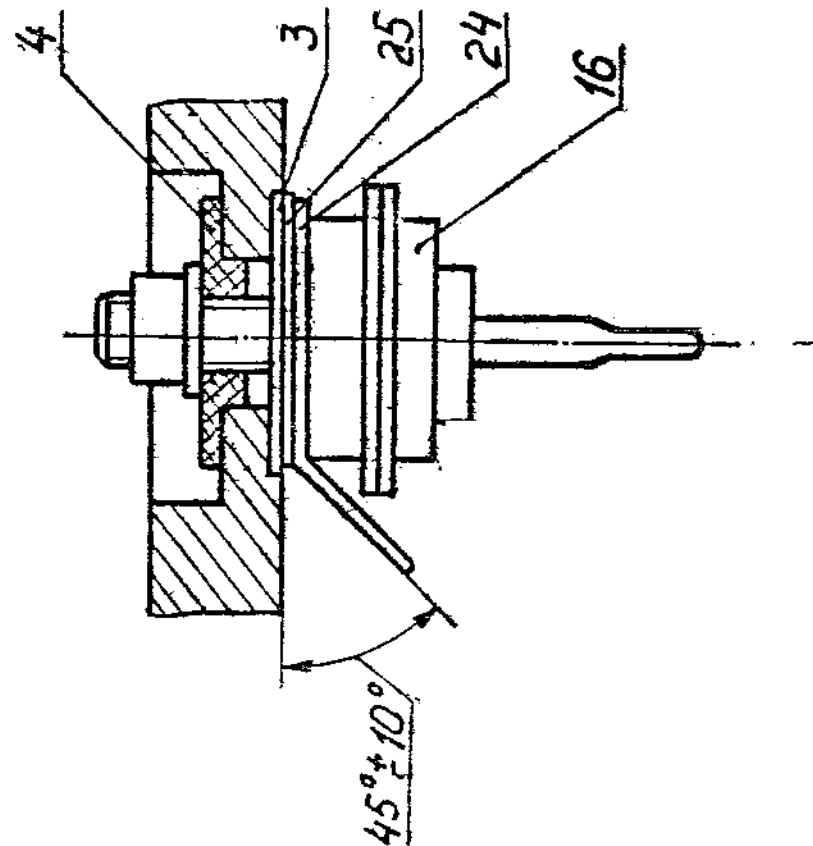
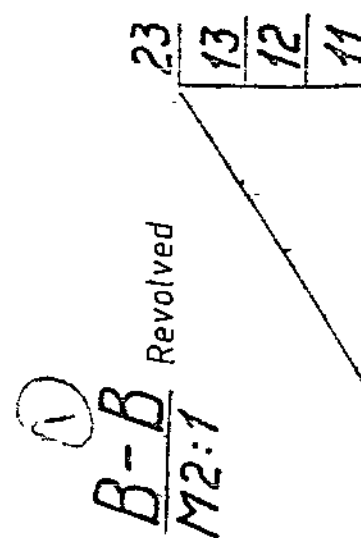
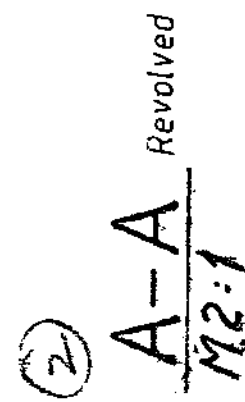
SNO	SHI	DOC NO	SIGN	DATE
DRAWN		PRASAD	Prasad	21.12.84
EDT	CHKD	B. S. Nair	B. S. Nair	25.12.84
F/M, DC.		S. R. Nair	S. R. Nair	18.1.85
DIV. OFFR		A. K. KUNDU	A. K. KUNDU	15.2.85
		NAME	SIGN	DATE

BOARD
ASSEMBLY DRAWING

SHEET	WEIGHT	SCALE
5	5.8g	2:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

составлен с подлинника.

11. Install transistors, Ref No 10 with **avalanche breakdown** voltage of plug not less than 65V
12. Before and after compound treatment insulation between transistor collector and body of unit, and also with body(lug) of each diode and unit body should withstand the test voltage of AC 500V, frequency 50Hz for 1sec
13. Surface of lug, Ref.No 24 from the side of rounding should mate mica surface
14. Put the nut and remaining part of screw of diodes, Ref No 16 with compound 3T -1C OST84-167-70



14		Sleeve III-TB-40-230-3x0.4 of white GOST19034-73.	0.6	M
25	X3-11005	Washer	2	
24	PH10 033	Lug	3	
23		Screw M3-6gx28 36 016 GOST1491-72.		
16		Diode A231A Y Ж 362 018TY	13	X1-11641
15		Sleeve III TB-40-230-2.5 of white GOST1904-73	2	Without lug
13	X2-10598	Nut M3.5A 016 GOST5927-70	0.18	M
17	X-10591	Washer 3 65T 06 GOST6402-70	13	
11	X3-9675	Washer	22	
10		Transistor of type П210А УМ3365.037TY	3	
9	P10T 125	Gasket	6	
8	P 1270	Board	3	
7	KT6 090	Transistor in assembly	2	
6	P 1430	Board	2	
5	X-1482	Washer 6 65T 06 GOST6402-70	1	
4	P10T 132	Bush	3	
3	P10T 120	Insulating gasket	6	
2		Diode A 231 Y Ж 3 362 018TY	1	Without lug
1	PH10.001	Body	1	
Ref. No.	DESIGNATION	DESCRIPTION	QTY	REMARKS
				38 I-615
		PH10-070		

PHIO-070

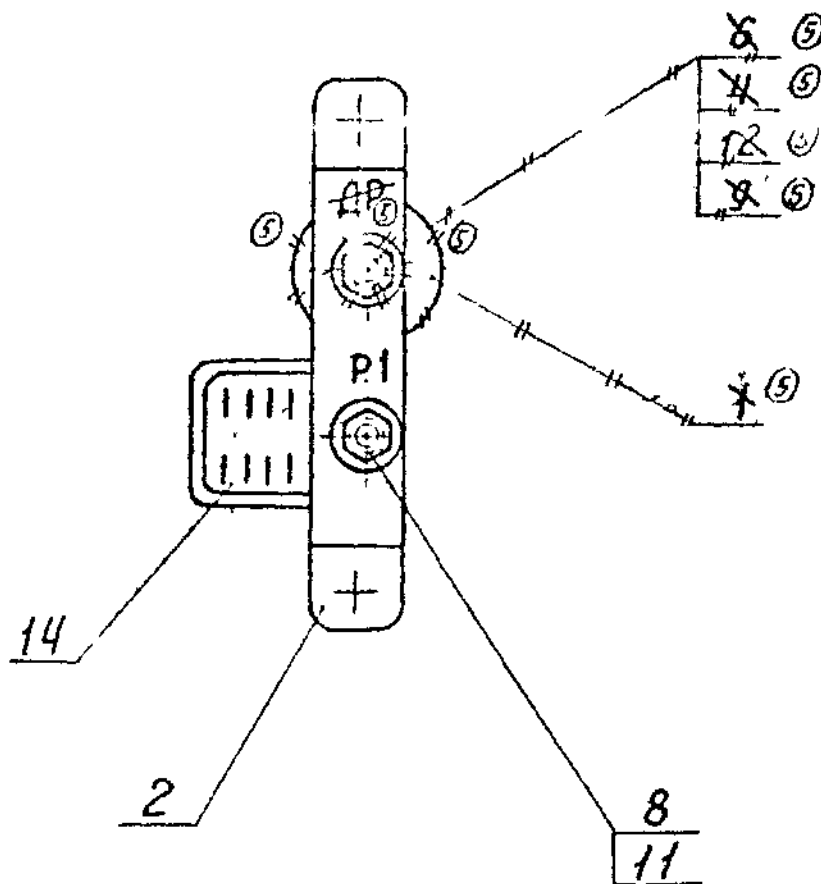
38
I-615

UNIT		SHEET WEIGHT/SCALE.		4-7	
SIGN DATE		TOTAL SHEETS		ORDNANCE FACTORY PROJECT HYDERABAD	
SNO	SHEET NO	SIGN	DATE		
1	DRAWN PRASAD	PRASAD	22-12-84		
2	EDITED A.K.O. Sankar	Sankar	28-12-84		
3	F/M J.C.	J.C.	13-1-85		
4	DIVIDED R A.K.KUNDU	A.K.KUNDU	16-2-85		

PH 10.170Cb

ПЕРС. ПРОЦЕДУР.

PH 10.170



- 1 Provide inscription with enamel Mc-17 black TY6-10-1012-78, with type 3 as per HO 010 007
- 2 Coat the fasteners with enamel XB-124 grey GOST 10144-74

40

615

ЕСКАД

40/615

PH10 170Cb

SINO	SHELT	DOCNO	SIGN	DATE	ANGLE PIECE ASSEMBLY DRAWING	SHEETS WEIGHT SCALE		
DRAWN BY	PRASAD	211284				6	0074	1.1
EDITED AND CHECKED BY	SARKHEL	281.2				TOTAL SHEETS		
FOREMAN OF DC	S R N A R	18185				ORDNANCE FACTORY PROJECT HYDERABAD		
DIVISIONAL OFFICER	A K KUNDU	16.2.85						
NAME		SIGN		DATE				

АЗАН УНБ УНБ НБУДЛ Подпись и дата

11.12.445

FORMAT	ZONE	REF. NO.	DESIGNATION.	DESCRIPTION.	QTY	REMARKS
11		17	X3 - 4033	Washer	4	
11		19	X5 - 114-53	Washer	2	
				<u>Standard items</u>		
		21		Screw M3-6gx10.36.016		
				GOST 1491-72	3	X1-10539
		23		Screw M4-6gx10.36.016		
				GOST 17473-72	4	8X-1548
		25		Screw M3-6gx8.36.016		
				GOST 17475-72	2	X1-10560
				Washer GOST 6402-70		
		27		3 65Г 0 6	3	X-10581
		28		4 65Г 0 6	4	X-1012
				<u>Other items</u>		
		30		Fuse		
				пЦ -30-2		
				АГ 0 481.501 TY	1	

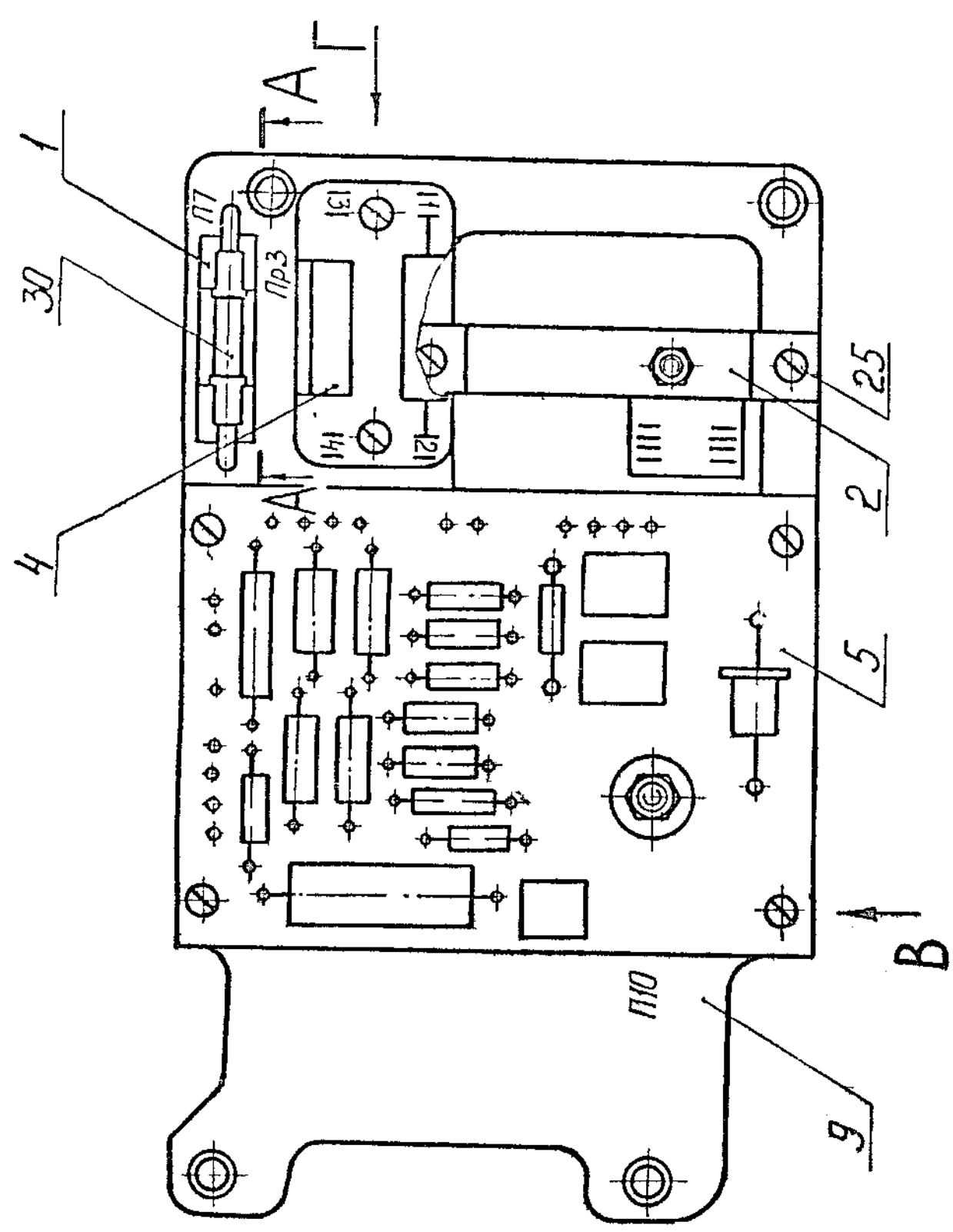
42
I-615

PH10.190

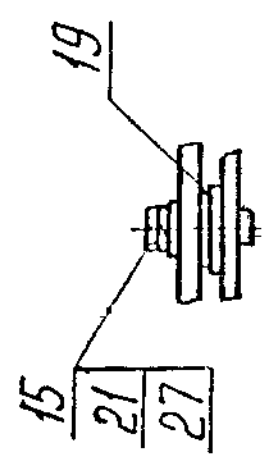
S NO.	SHT	DOC NO.	SIGN.	DATE
DRAWN BY		PRASAD	<i>Prasad</i>	22.12.84
CHECKED		B. Samuel	<i>B. Samuel</i>	28.1.2
F/M DC.		S.R NAIR.	<i>S.R</i>	18.1.85
DIV. OFFR.		A K KUNDU	<i>AK</i>	16.2.85
		NAME.	SIGN.	DATE

CHASIS

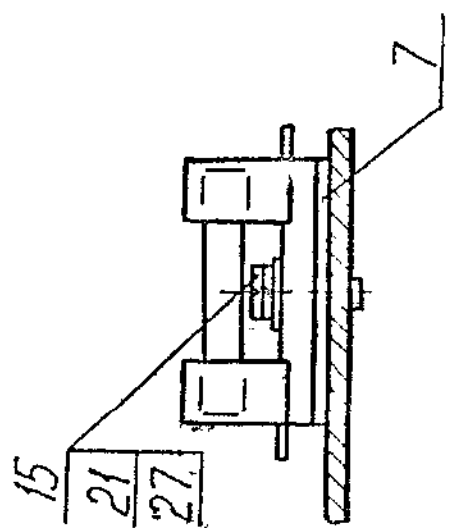
SHT. NO.	TO NO. OF SH
2	2



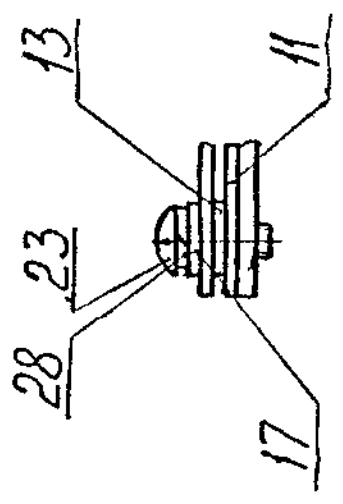
View - A



A-A



View - B



- 1 Secure screws, Ref No 25 with enamel XB-124 grey GOST 10144-74
- 2 Coat all fasteners with the same enamel
- 3, Wash the jaws and fuse with ethyl alcohol GOST 17299-78 before installing fuse, Ref No 30
- 4 Make inscription with enamel MC-17 black TY6-10-1012-78, with type 3 as per HO 010007 in places, where it is convenient for reading

43
I-615

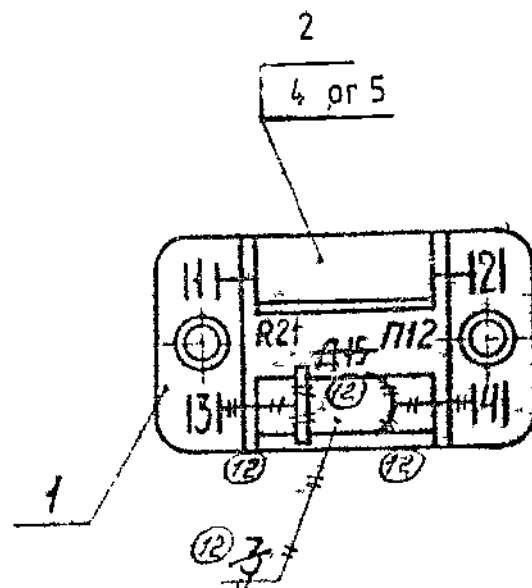
ECKD

PH10.190CG

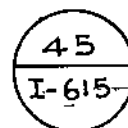
CHASIS
ASSEMBLY DRAWING

SHEET	WEIGHT	SCALE
5	3302	1:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		
SHEET NO	SIGN	DATE
DRAWN PRASAD	22.12.84	
EDT CHNO B. Sannu	28.12.84	
F/M, DC, SR NAIT	18/85	
DIV. OFFR A. K. KUNDU	16.2.85	
NAME	SIGN	DATE

PH 10.210.CB



1. Carryout the soldering with solder ЛОССу 61-0.5 GOST 21930-76 with flux ФКН OST 4Г 0 033 000
2. Make inscriptions with enamel ЛФ-115 white GOST 6465-76 WITH type 3 as per HO 010 007 in places convenient for reading



ЕСКД

PH 10.210.CB

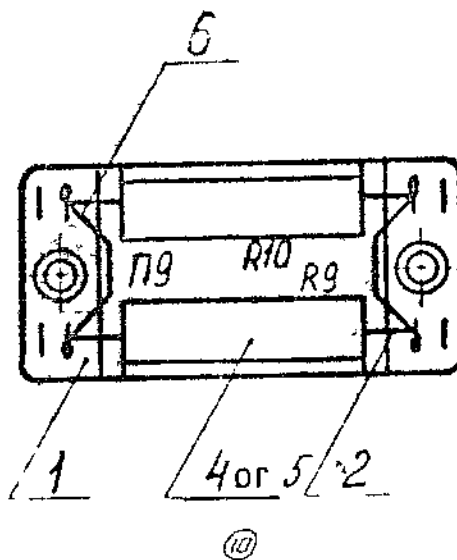
15	1	АЩ.П633	10.81
14	1	АЩ.П2631	10.81
13	1	АЩ.П111	10.81

SN	SH	DOC NO	SIGN	DATE
DRAWN		PRASAD	Prasad	21.12.84
EDT,CHKD		S. Sankar	Sankar	28.12
F/M,DC.		S R NAIR	S.R.	18.1.85
DIV.OFFR		AK KUNDU	AK	16.2.85
		NAME	SIGN	DATE

.BOARD
ASSEMBLY DRAWING

SHEET	WEIGHT	SCALE
	0.019	1:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

PH10.220CB



1. Jumpers are provided with wire Ref No,6. Solder with $\pi O C C y$ 61-0.5 GOST21930-76 Flux $\Phi K C n$ OST4Г O 033 000
2. Make inscriptions with enamel $\pi \Phi$ -115 white GOST6465-76, type 3 as per HO 010 007, in places convenient for reading
3. Technical requirements for electrical wiring are as per HO 010 001.

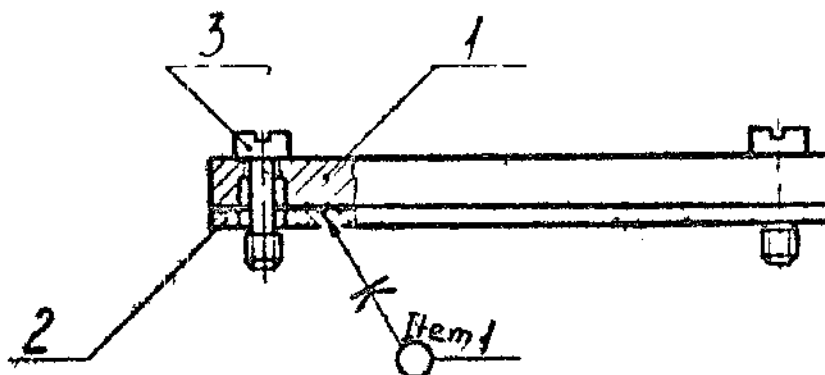
47
I-615

ECKE

PH10.220CB

BOARD				SHEET	WEIGHT	SCALE
ASSEMBLY DRAWING				0.02 1:1		
				TOTAL SHEETS		
				ORDNANCE FACTORY PROJECT HYDERABAD		
ENGLISH	DOC NO	SIGN	DATE			
DRAWN	PRASAD	Prasad	21.12.84			
EDT,CHKD	b. Sankar	b. Sankar	28.12			
F/M,DC	S R NAIR	SR	18.1.85			
DIV.OFFR	A.K.KUNDU	AK	16.2.85			
	NAME	SIGN	DATE			

PH10.230



1 Cement the gasket Ref No 2 to the cover Ref No.1 with cement 88-N TY38 105 1061-76

2 It is allowed to use cement 88 HП TY 38 105 540-73.

FORMAT	ZONE	REF NO	DESIGNATION	DESCRIPTION	QTY	REMARKS
12				<u>Parts</u>		
12	1		PH10.004	Cover	1	
11	2		KT6.008	Gasket	1	
11	3		X1-10871	Screw	6	

PH10.230

48
I-615

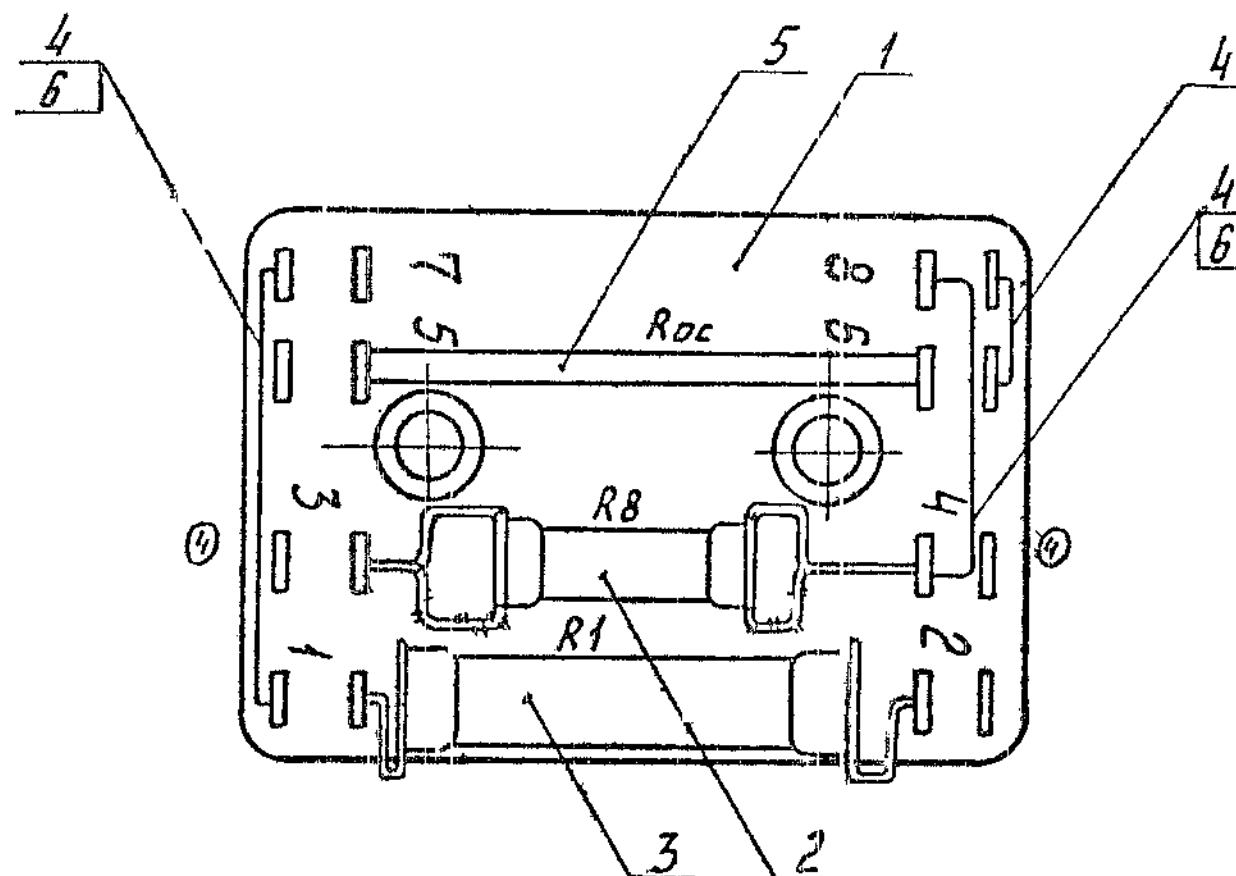
SN	SH	DOC NO	SIGN	DATE
DRAWN	PRASAD	Prasad		21.12.84
EDT,CHKD	B. Samant	B. Samant		20.12
F/M,DC.	S. R. Nair	S. R. Nair		18.1.85
DIV.OFFR	A. K. RUNDU	A. K. RUNDU		16.2.85
	NAME	SIGN	DATE	

COVER

SHEET	WEIGHT	SCALE
	40.7g	1:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

PH 10.240 CE

PH-10



- 1 Press the leads of resistor, Ref.No.5 upto 1.4mm before installing on both sides. Copper plate the resistor leads at length 5to8mm, thickness 3to5microns, then tin the leads with solder ПОССy61-0.5 GOST 21930-76 with flux ФКCn OST4Г 0.033.000.
- 2 Jumpers are provided with wire, Ref.No.4 in sleeve, Ref.No.6, before applying coating, Cadmium 3microns.
- 3 Carryout soldering using solder ПОССy61-0.5 GOST21930-76 with flux ФКCn OST4Г 0.033 000.
4. Marking of board and elements is made with enamel ПФ-115 white GOST6465-76 type3 as per HO.010.007, in places convenient for reading.
- 5, Technical requirements to wire as per HO.010.001.

①
②
③
④
⑤
⑥
⑦

50
I-615

ECKA

6	4	АУЛ 111-80	1.08.80
5	2	АУЛ 1.5M 3/4-78	8.2.79
4	3	АУЛ 1.3M 4-78	8.1.79
3	1	АУЛ 1.1M 4-78	1.1.79

PH 10.240 CE

SN	SHY	DOC NO	SIGN	DATE
DRAWN		PRASAD	Prasad	22.12.84
EDT,CHKD		B. Sarma	B. Sarma	22.12.84
F/M,DC		S R NAIK	S R NAIK	18.1.85
DIV.OFFR		A.K.KUNDU	A.K.	16.2.85
		NAME	SIGN	DATE

SHEET	WEIGHT	SCALE
		1:1
BOARD Assembly drawing		
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

711 АУЛ 1.1 283

16085 (addn) 22.12.74

Восстановлен с подлинника

FORMAT	ZONE	REF. NO.	DESIGNATION.	DESCRIPTION.	QTY	REMARKS
				Standard items		
		13		Screw M3-6gx2036 016		
				GOST1491-72	1	X141653
		14		Nut M3 5A 016		
				GOST5927-70	1	X2-10598
		15		Washer 3.01.016		
				GOST104 50-78	1	8X-189
		17		Washer 3.65F-06		
				GOST6402-70	1	X-10581
		19		Washer 4.65F.06		
				GOST6402-70	1	X-1012
				Resister 0x0 46 7 107TY		
		26		OMJT0 5B-5 1k0/um $\pm$ 5%	1	R18
		27		OMJT-0 5-B27k0/um $\pm$ 5%	1	R5
		29		OMJT-2B-510 $\pm$ 5%	4	R6,R7
						R12;R13
		31		Temperature-sensitive		R15
				resistor MMT-9 750m $\pm$ 10%		
				GOST10688-75	1	1to3
		35		Capacitor M6M-160-05 $\pm$ 10%	1	
				0x0 462 032 TY		C2
				Other items		
		40		Diode 223B CM3 362 018 TY	1	D11

S NO	SHT	DOC NO.	SIGN.	DATE
DRAWN BY		S. Gopal	S. Gopal	20/12
CHECKED		D. K. JAIR	D. K. JAIR	28/12/8
F/M DC.		S. R. NAIR	S. R. NAIR	18/1/85
DIV OFFR.		A. K. KUNDU	A. K. KUNDU	16/2/85
		NAME.	SIGN.	DATE

PH10 250

BOARD

52
I-615

SHT. NO.	TO NO OF. SH
2	4

FORMAT	ZONE	REF NO.	DESIGNATION	DESCRIPTION.	QTY	REMARKS
		42		Fuse		
				BП-2-2 0a0100 480 003TY	5	пр8 пр12
		43		Resistor		
				CП5-2-1Bm1500M±5%		
				0X0468 506 TY	1	B17
				Resistor 0X0467 013 TY		
		45		ули0,125-36,5 0m±2%	1	R4
		46		ули-0,125 68,1 0m±2%	1	R16
		48		Resistor C5-5-2Bm		
				240 0M±1%		
				0X0 467.505TY	1	R3
		49		Electro magnetic relay of type PЭC10, PC4529 031-05		
		50		PC0 452 049TY	1	P3
				Electro magnetic relay of type PЭC10, PC4 529.031-06		
				PC0 452 049TY	1	P4
		51		Stabilizer diode Д816A		
				уX3 362 027 TY	1	Д5
				Material		
		55		Wire Gost 2112-71		Гор. Пюсы
				MM - 0,8	0,24	Б1-0,5
					M	0XK0 12
		56				
				MM-1 L = 14±1	0,26M	

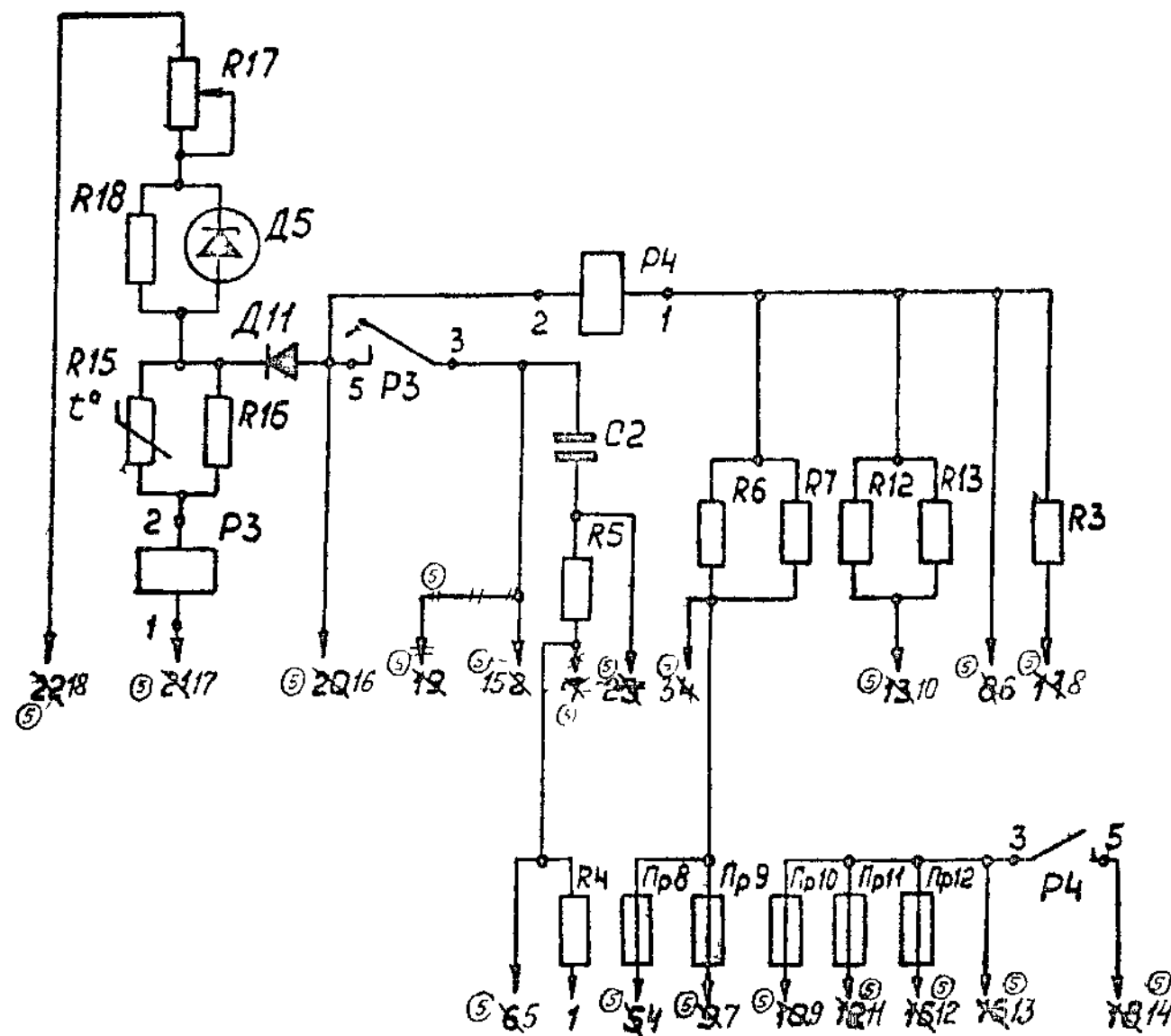
PH10 250

53
I-615

S NO.	SHT	DOC NO.	SIGN.	DATE
DRAWN BY		S Gopal	<i>S Gopal</i>	21/12
CHECKED		D K JAIN	<i>D K JAIN</i>	26.12.85
F/M DC.		S.R.NAIR.	<i>S.R.NAIR.</i>	18/18
DIV OFFR.				
		NAME.	SIGN.	DATE

BOARD

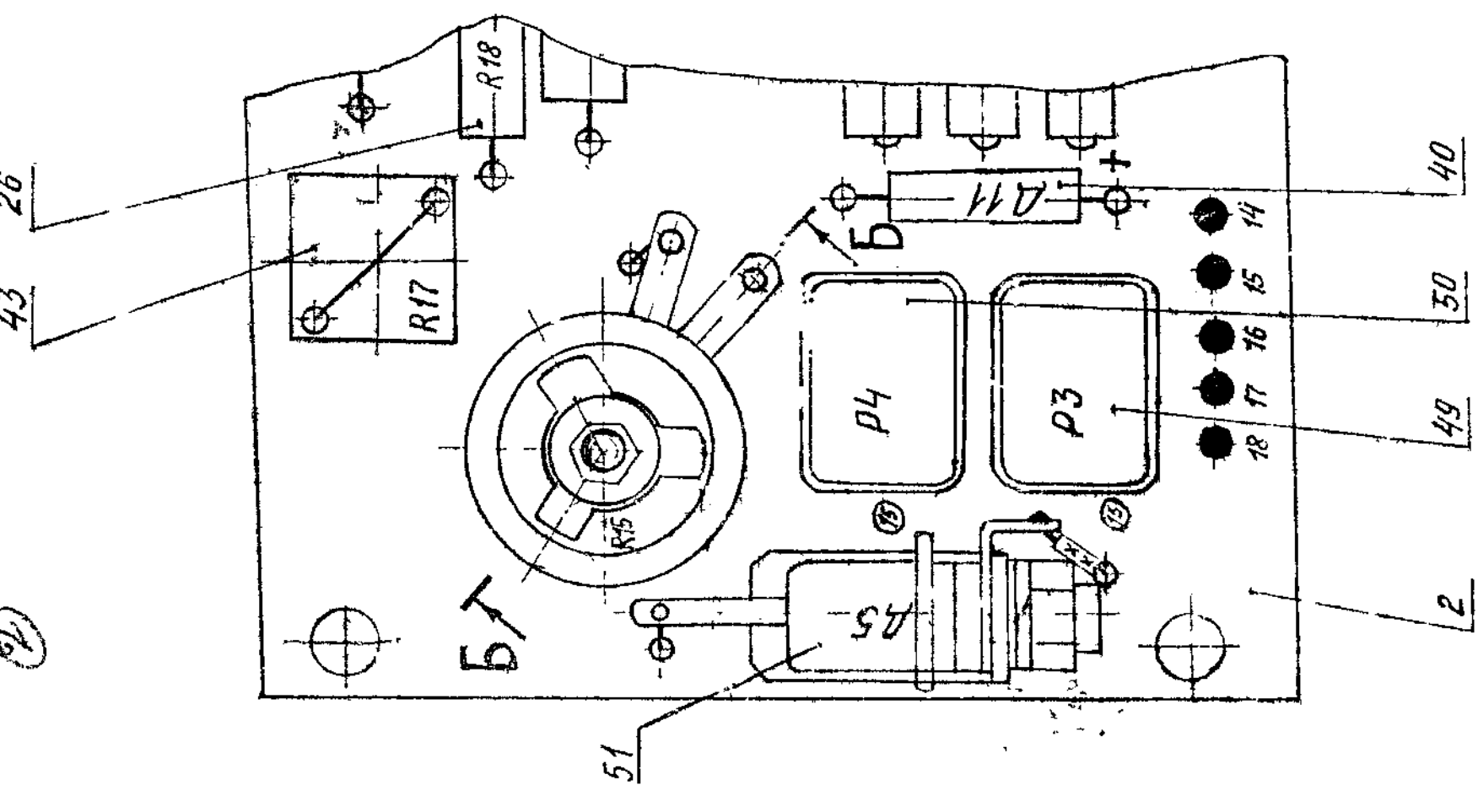
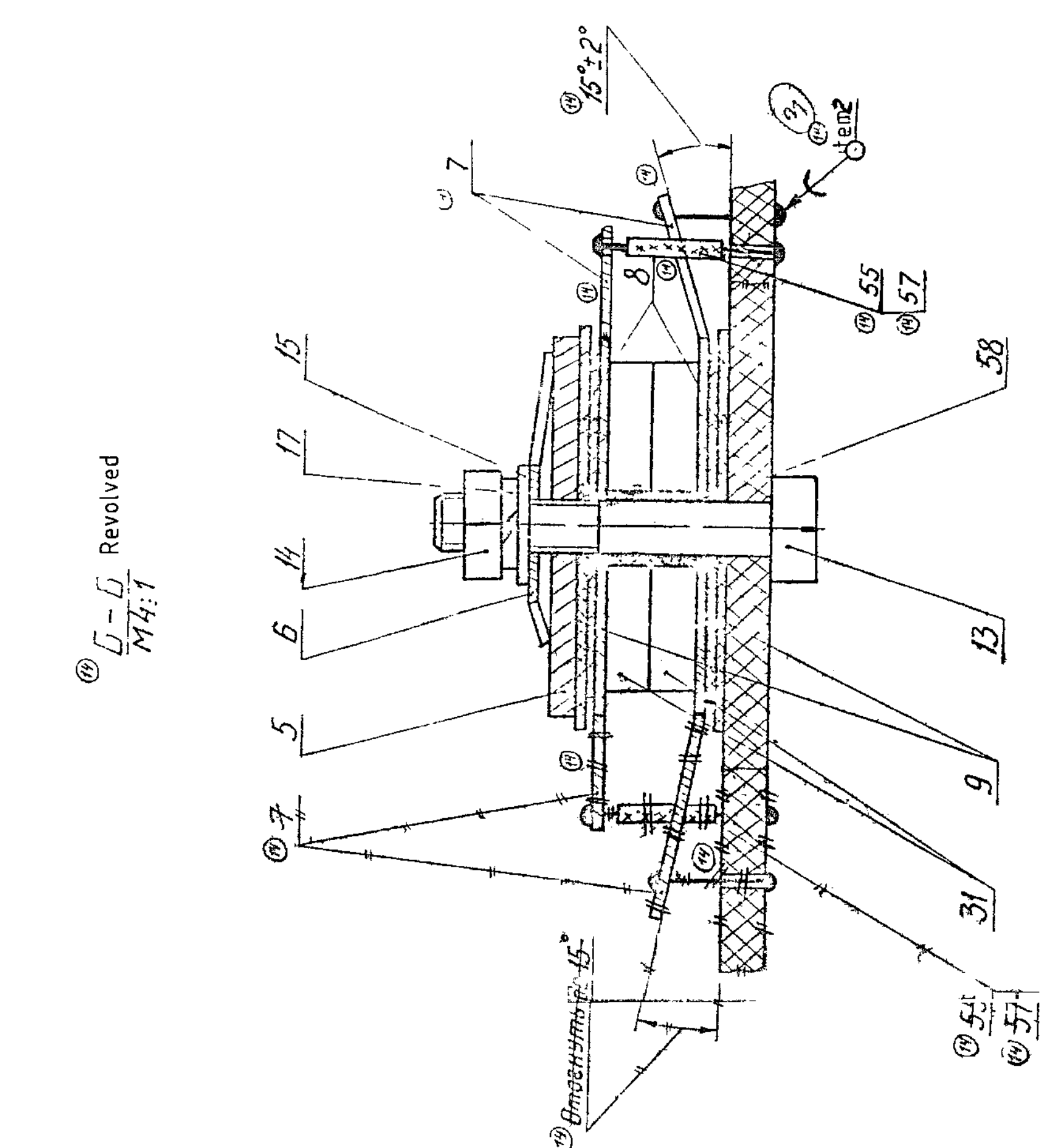
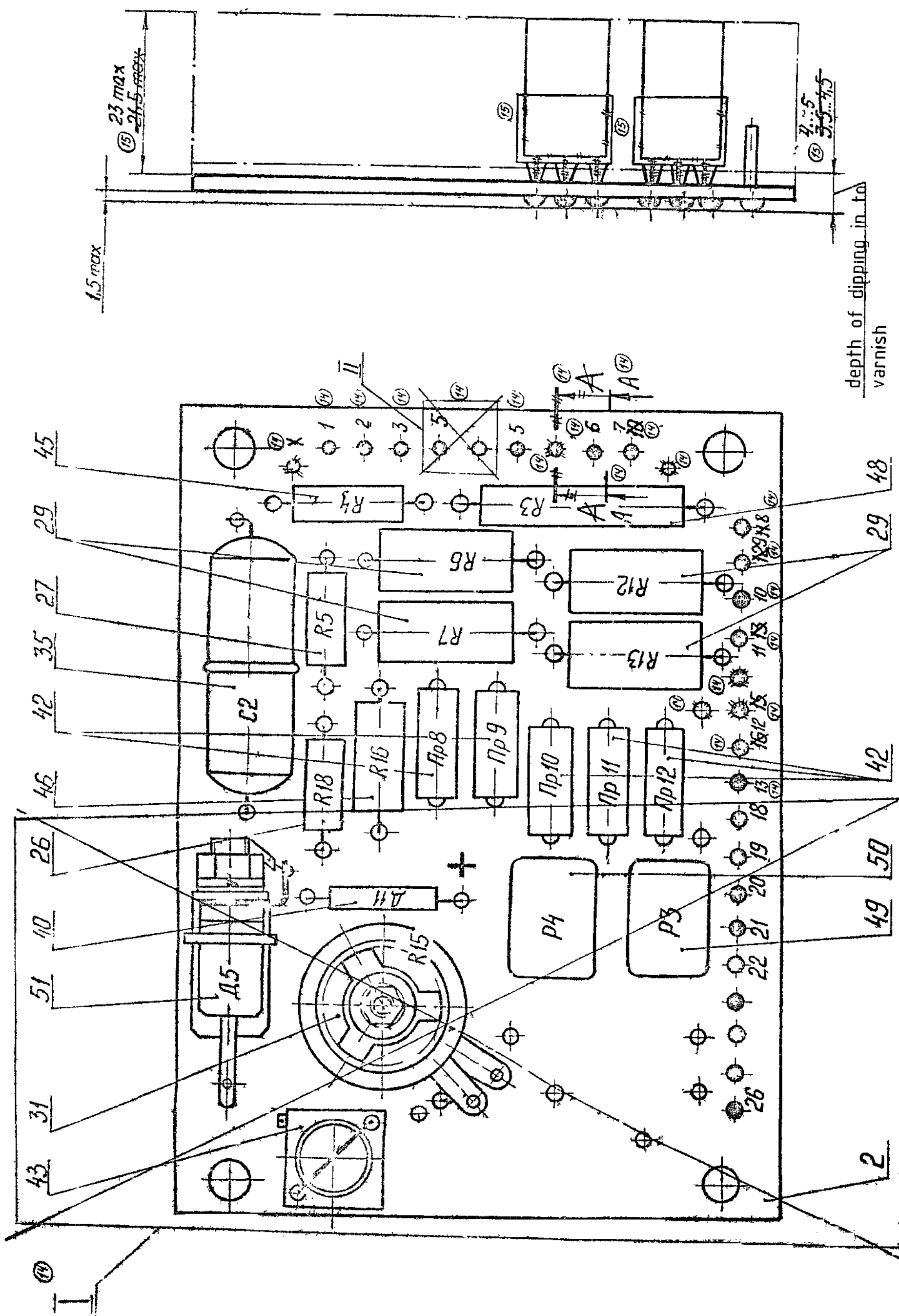
SHT. NO.	TO. NO. OF. SH
3	4



Zone	Ref No Designation	Description	Qty	Remarks.
	R3	Resistor C5-5-28m 240 0.1% 0.467 505TY	1	
	R4	" УЛИ-0 125-36 5±2% 0.467 013TY	1	
	R5	" ОМЛТ-0 5-27K 0.1% 0.467 107TY	1	
	R6 R7 R12 R13	ОМЛТ-2-5100 0.1% 0.467 107TY	4	
	R15	Temperature MMT 9.75 0.1% GOST 10688-75	1	
	R16	Resistor УЛИ-0.125-681±2% 0.467 013TY	1	
	R18	" ОМЛТ-0 5-5 1K 0.1% 0.467 107TY	1	
	R17	Resistor СП5-2-18m 1500 0.1% 0.468 506TY	1	
	C2	Capacitor МБМ-160-0 5±10% 0.462 032TY	1	
		Stabilizer А816А УХ3 362.027TY	1	
		Diode А223Б СМ3 362 018TY		
		Fuse ВП1-2-2А 0.480 003TY	5	
		Electro magnetic relay type РЭС10 PC4 520 031-05		
	P3	PCO 452 049TY	1	
	P4	PC4 520 031-06 PCO 452 049TY	1	

SNO	SHI	DOC NO	SIGN	DATE
DRAWN	S Gopal	S Gopal		22/12
EDT,CHKD	D K. JAIN	D K. JAIN		22/12/85
F/M,DC	S R NAIR	S R NAIR		18/1/85
DIV.OFFR	A. K. KUNDU	A. K. KUNDU		16.2.85

BOARD	SHEET	WEIGHT	SCALE
Schematic circuit diagram			
TOTAL SHEETS			
ORDNANCE FACTORY PROJECT HYDERABAD			

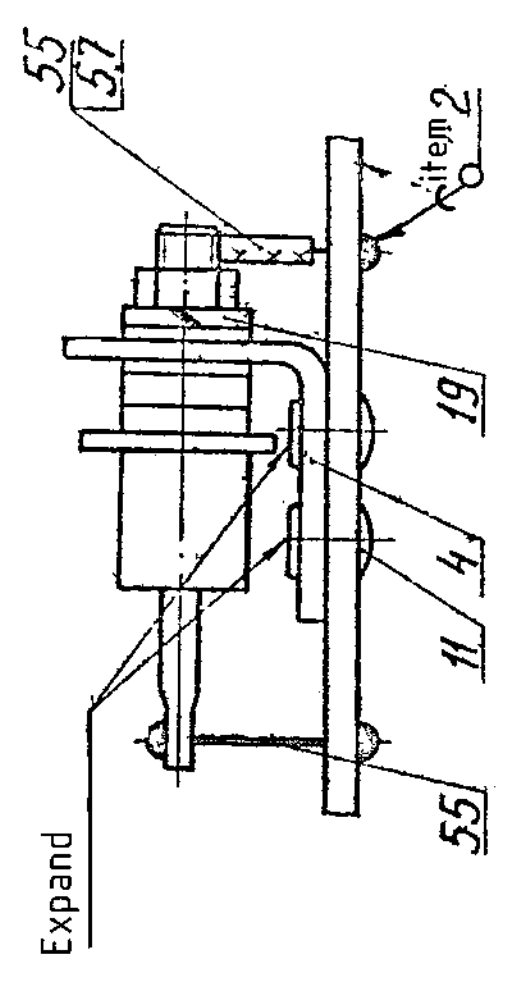
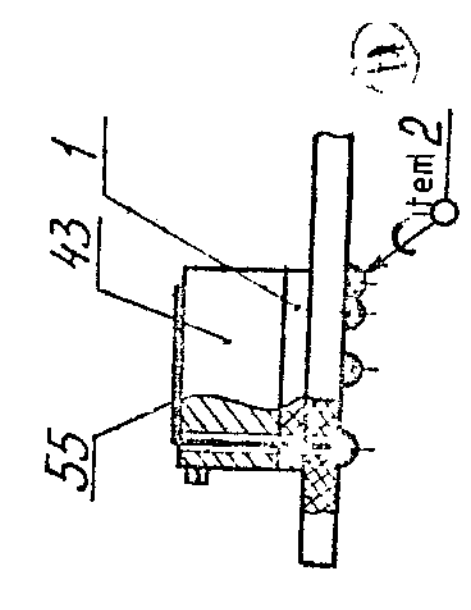


- 1 Assembly is carried out as per OST4 FO 054 091
- 2 Carryout soldering of elements and wires, Ref. No 55 using solder ПСК-50-18 and solder wire Ref. No 56, use solder. ПСК-61-05 GOST 1930-76 with flux ПСК as per OST 4 FO 033 001 soldering of elements should corresponding to OST 4 FO 054 089 as per instructions П-250-78 after assembly, it is allowed to coat with varnish П-730 GOST 20824-75
- 3 Protect wire, Ref. No 56, against coating with varnish
- 4 Marking is given conventionally
- 5 Jumpers loading to lug, Ref. No 7 should be turned around them not less than 3/4 of a turn and pressed
- 6 Install the sleeve, Ref. No 58, in situ up to the stop against the board Ref. No 2
- 7 Check electrical strength, insulation of screw, Ref. No 13 with respect to each lug, Ref. No 7 with voltage 500V a.c. 50Hz for 1 sec
- 8 Before installing the resistors Ref. nos 4, 5, 6 press their leads up to dimension 1, 5mm
- 9 When soldering method "wave" is used solder ПСК-61-05 GOST 1930-76 is employed for soldering the elements
- 10 Clearance between washers ref. nos 5 and 6 (section 5-6) is 0.2 to 0.5mm
- 11 Measure the resistance between the terminals 1 and 2 which should be in nominal climatic conditions 45 ohms ± 10 % after installing relay, Ref. No 49 on the board Ref. No 2
- 12 Protection of diode, Ref. No 40, from static charge is as per OST 11 073 062-76

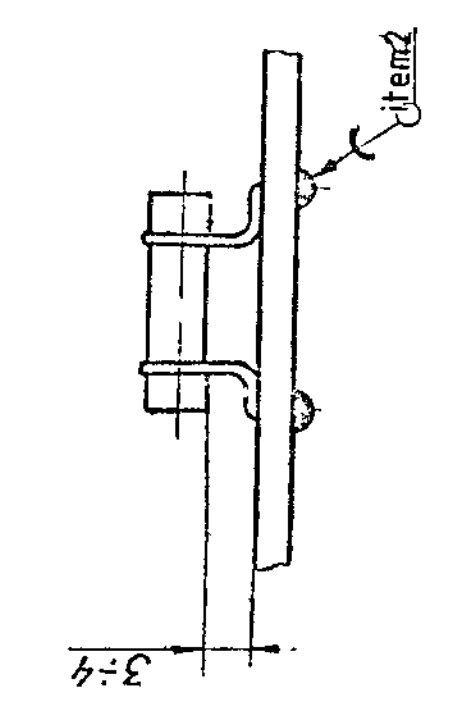
Installation of stabilizer diode 816A

Installation of resistor П-5-2

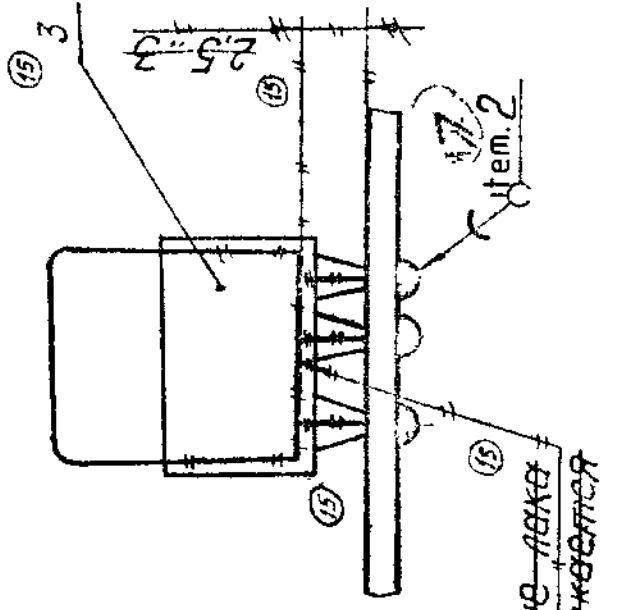
A-A
M10:1



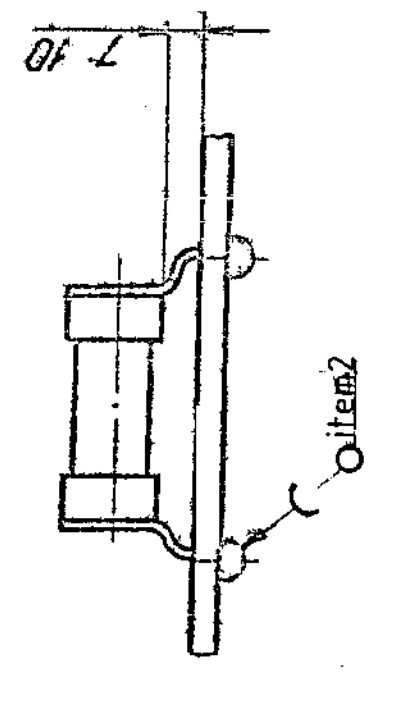
Installation of fuse БПТ-2



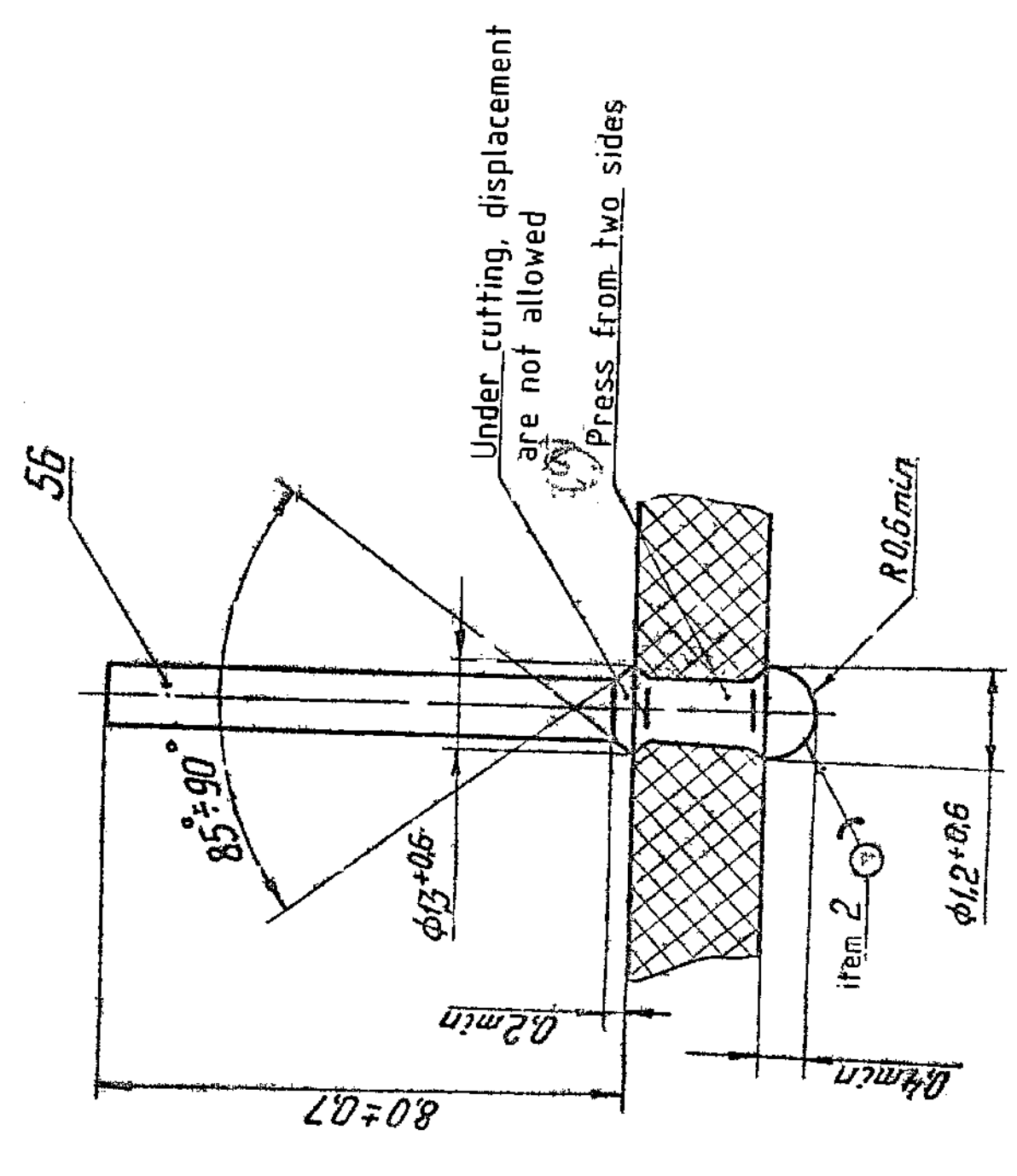
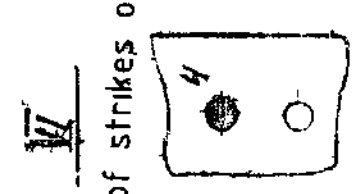
Installation of P2C-10



Installation of resistor, П-5-2



Instead of strikes out

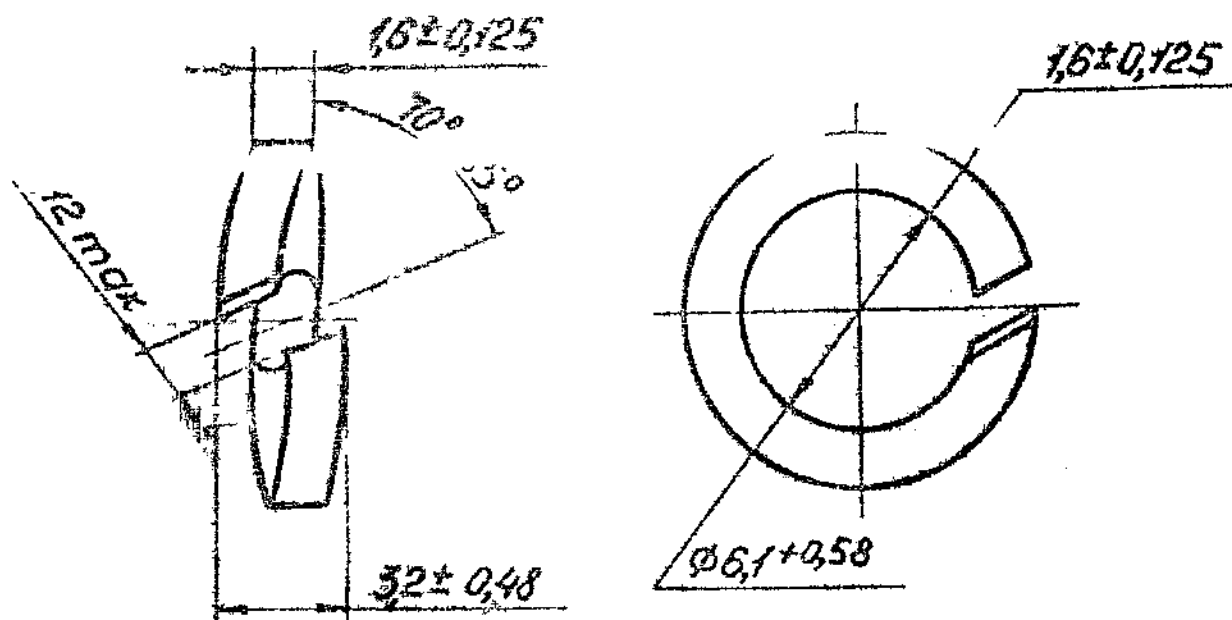


PH10.250C5		SHEET WEIGHT SCALE		2 #	
BOARD		Assembly drawing		TOTAL SHEETS	
				ORDINANCE FACTORY	
				PROJECT	
				HYDRO-PAD	

NO. 100	DOC. NO.	SIGN.	DATE
1	100	100	100
2	100	100	100
3	100	100	100
4	100	100	100
5	100	100	100
6	100	100	100
7	100	100	100
8	100	100	100
9	100	100	100
10	100	100	100
11	100	100	100
12	100	100	100
13	100	100	100
14	100	100	100
15	100	100	100
16	100	100	100
17	100	100	100
18	100	100	100
19	100	100	100
20	100	100	100
21	100	100	100
22	100	100	100
23	100	100	100
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89	100	100	100
90	100	100	100
91	100	100	100
92	100	100	100
93	100	100	100
94	100	100	100
95	100	100	100
96	100	100	100
97	100	100	100
98	100	100	100
99	100	100	100
100	100	100	100

2841-X

2



DESIGNATION.	*	COATING.	PERMISSIBLE COATING.
X-1482.	06	Chemically , parkerized , oiled	Chemically , oxidized , oiled.

Technical requirements are as per GOST 6402-70.

Copy is taken from GOST 6402-70.

122
I-615

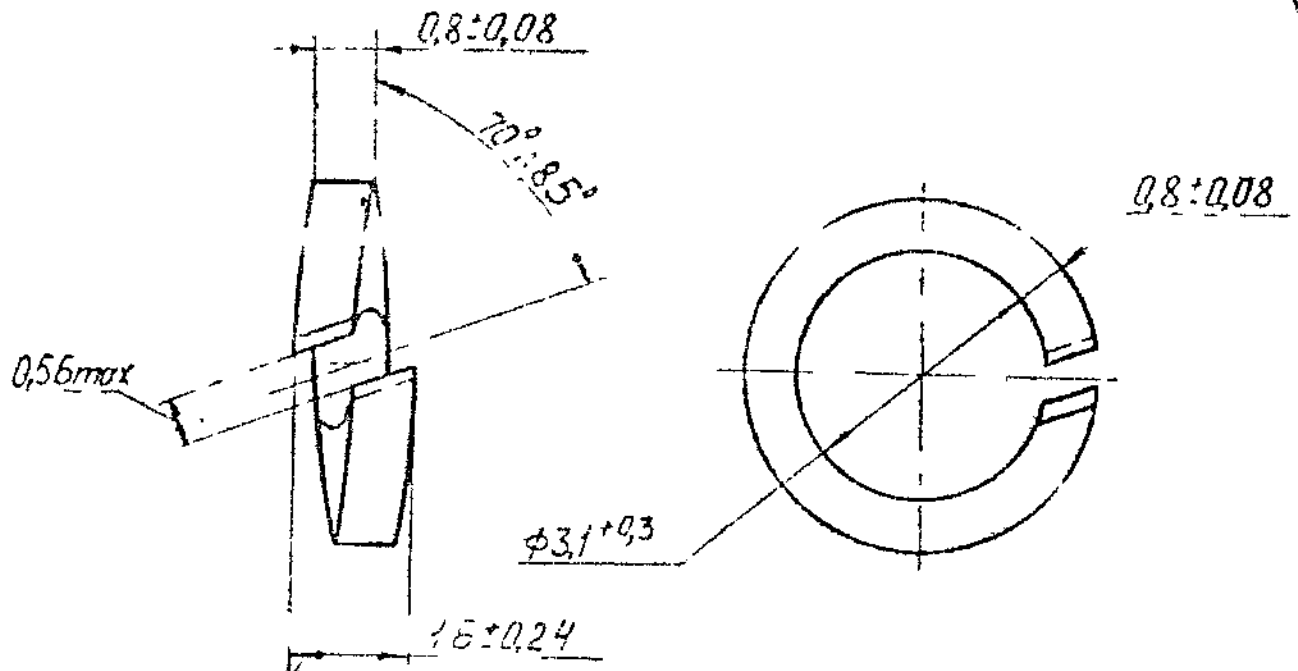
X-1482

SHEET WEIGHT SCALE.			
B 0.487gms. 5:1			
TOTAL SHEETS			
ORDNANCE FACTORY PROJECT HYDERABAD			

WASHER 6 65Г *	Steel 65Г ,ГОСТ 1050-74.
ГОСТ 6402-70.	

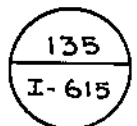
SNOSHT	DOC NO	SIGN	DATE
DRAWN	R.H.PRASAD.	[Signature]	24.12.84
EDT,CHKD	D.K.JAIN	[Signature]	29.12.84
F/M,DC.	S.R.NAIR	[Signature]	15.1.85
DIV.OFFR	A.K.KUNDU	[Signature]	15.2.85
	NAME	SIGN	DATE

18504-X



Designation	*	Coating	Permissible coating
X1-10580	06	Chemically, parke- rized, oiled,	Chemically, oxidized, oiled Zinc-plated, 6microns thick, chromatizing Cadmium, 6microns thick, chromatizing

Technical requirements are as per 6402-70



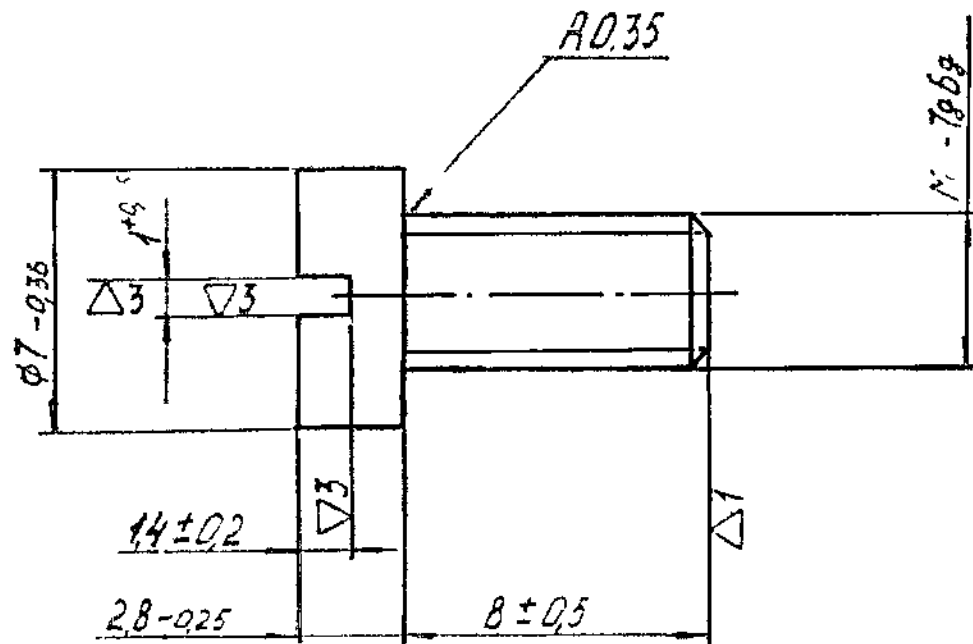
ECKD

X-10581

SNO	SHT	DOC NO	SIGN	DATE	WASHER 3 65F *	SHEET	WEIGHT	SCALE
DRAWN	PRASAD	Prasad	24	12 84	GOST 6402-70	0,062g	40:1	
EDT,CHKD	A.K.KUNDU	A.K.K.	22	12 84				
F/M,DC	S.R. NAIR	S.R.	18	1985				
DIV.OFFR	A.K.KUNDU	A.K.	15	2 85	Steel 65F GOST1050-74			
	NAME	SIGN	DATE					
						TOTAL SHEETS		
						ORDNANCE FACTORY PROJECT HYDERABAD		

X1-10527

44(1)



Designation	*	Coating
X1-10527	016	Zinc-plated, 6microns thick, chroma-
		tizing Composition of solution for
		chromatizing is as per M-252-79

1 Maxium misalignment of head and slot axes with respect to body axis is 0.15mm

2 Technical requirements are as per GOST1759-70

Copy is take from GOST1491-72



X1-10527

SNOSHT	DOC NO	SIGN	DATE
DRAWN	PRASAD	pprasad	22.12.84
EDT,CHKD	ANDREY	Andrey	29.12.84
F/M,DC	S.R. NAIK	S.R.	18.1.85
DIV.OFFR	A.K. KUNDU	A.K.	15.2.85
	NAME	SIGN	DATE

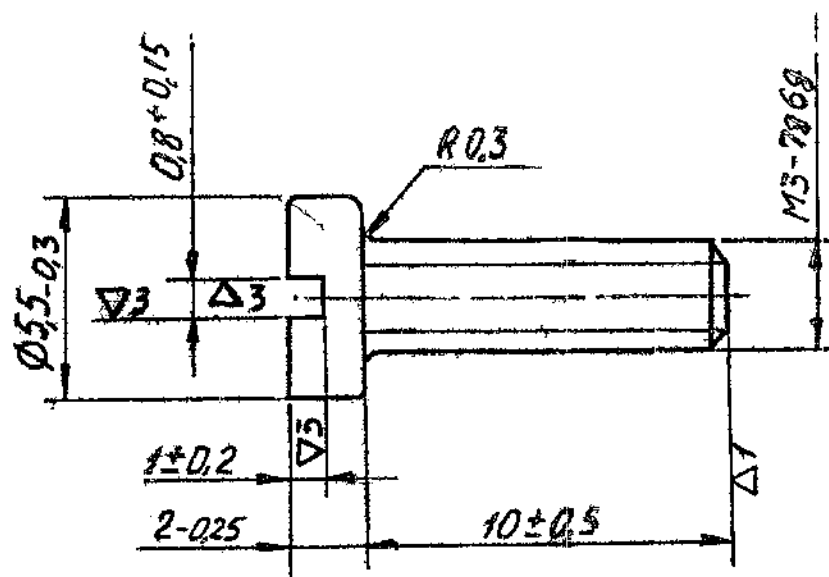
SCREW
M4-7g6gx8.36*
GOST 1491-72

Steel 10
GOST 1050-74

SHEET	WEIGHT	SCALE
5	1.312	5:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

6ES01-1X

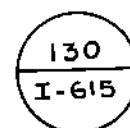
▽4/▽1



1. Maximum misalignment of head and slot axes with respect to body axis is 0.15mm.
2. Technical requirements are as per GOST1759-70.

Designation	Coating
X1-10539	Zinc-plated, 6microns,
	thick, chromating

Copy is taken from GOST1491-72.



X1-10539

SN	SH	DOC NO	SIGN	DATE
DRAWN		PRASAD	Prasad	22.12.84
EDT, CHKO		A.K. DUBEY	A.K. DUBEY	29.12.84
F/M, DC		S. R. NAIR	S.R. NAIR	18.1.85
DIV. OFFR		A.K. KUNDU	A.K. KUNDU	15.2.85
		NAME	SIGN	DATE

SCREW, M3-7g6g x 10, 36

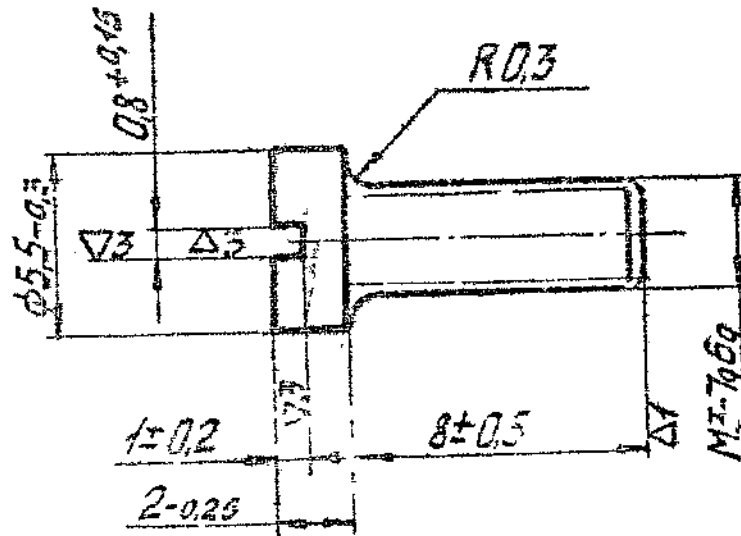
GOST1491-72

Steel 10
GOST1050-60

SHEET	WEIGHT	SCALE
5107/62	5.1	
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

21-501-1X

▽4(▽)



Designation	Coating
X1-10542	Zinc-plated, 6microns thick, chromating

- 1 Maximum misalignment of head and slot axes with respect to body axis $\leq 0.15\text{mm}$
- 2 Technical requirements are as per GOST 1759-70

Copy is taken from GOST 1491-72

131
I-615

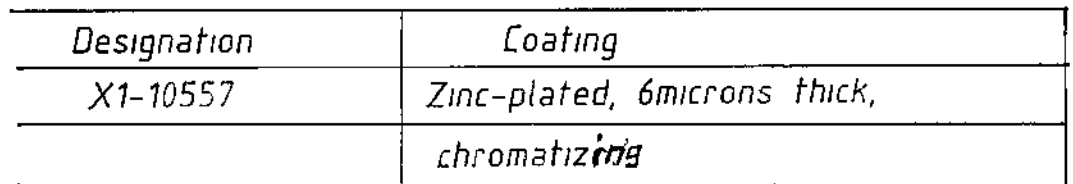
X1-10542

SHEET				WEIGHT		SCALE	
DRAWN				PRASAD		5:1	
EDT,CHKD				AK DUNDA		TOTAL SHEETS	
F/M,DC				S R NAIN		ORDNANCE FACTORY	
DIV.OFFR				A.K.KUNDU		PROJECT	
NAME				SIGN		HYDERABAD	
DATE				DATE			

SCREW M3-7g6g x 8 36

GOST 141-72

Steel 10 GOST 1050-60

$\nabla_4 (\nabla)$ 

- Copy is taken from GOST 17475-72

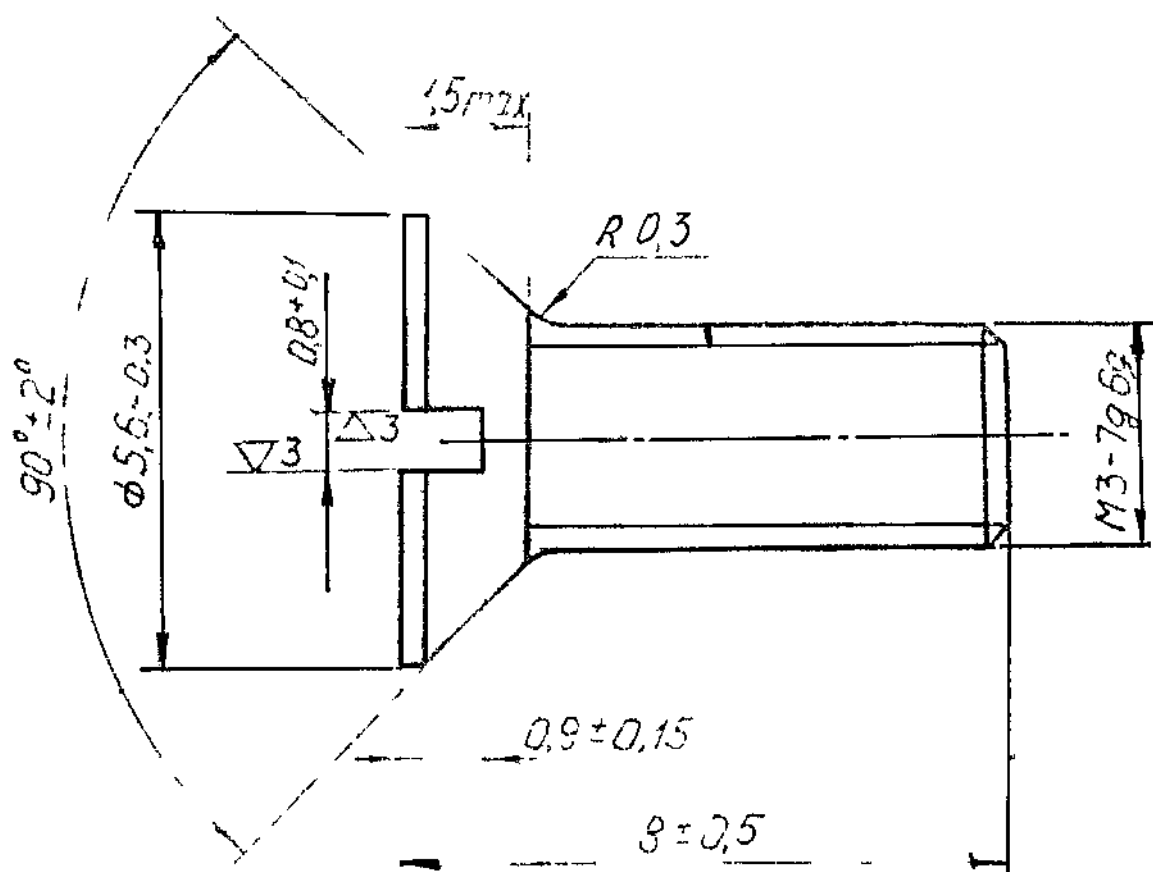


X1-10557

SNO					SHT					DOC NO					SIGN					DATE					SCREW M4-7g 6gx										SHEET					WEIGHT					SCALE.																								
DRAWN										PRASAD										Prasad										24.12.84										10 36 016										0.997										5:1									
EDT,CHKD										AK DUBOY										Im...										29.12.84										GOST 17475-72.																				TOTAL SHEETS									
F/M,DC.										S R NAIR										82										18.1.85										Steel 10										ORDNANCE FACTORY																			
DIV.OFFR										A.K.KUNDU										AK.										15.2.85										GOST 1050-60										PROJECT																			
										NAME										SIGN										DATE																				HYDERABAD																			

X1-10560

▽4 (▽)

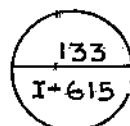


Designation	*	Coating
X1-10560	016	Zinc-plated, 6microns thick, chromating
		Composition of solution for chromating
		is as per M-252-78.

1 Maximum misalignment of head and slot axes with respect to body axis is 0.15mm

2 Technical requirements are as per GOST 1759-70

Copy is taken from GOST 17475-72



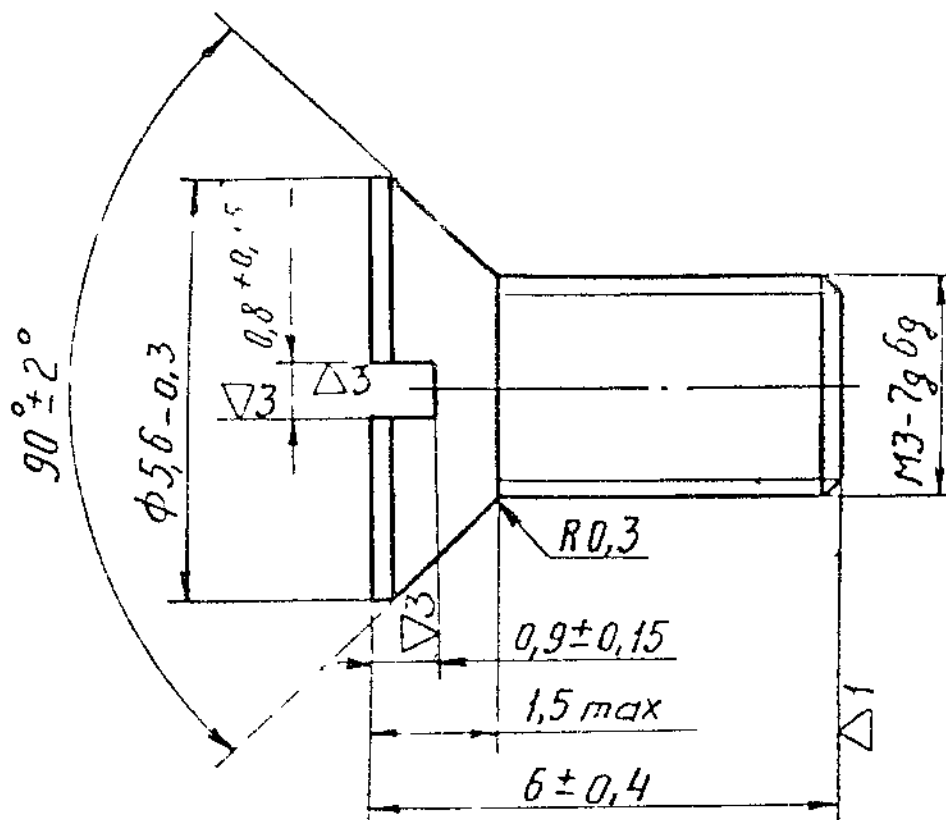
X1-10560

SN	SH	DOC NO	SIGN	DATE	SCREW M3-7g 6g x 8 36	SHEET	WEIGHT	SCALE
DRAWN		PRASAD	Prasad	24.12.82	GOST 17475-72		5.0442	10:1
EDT,CHKD		A.K.DUBEY	Amr	29.12.82				
F/M,DC		S.R.NAIL	82	18.1.85				
DIV.OFFR		A.K.KUNDU	AK	15.2.85	Steel 10 GOST 1050-74			
		NAME	SIGN	DATE				
						TOTAL SHEETS		
						ORDNANCE FACTORY PROJECT HYDERABAD		

19501-1X

▽4 (▽)

KP-150

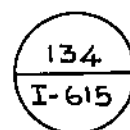


DESIGNATION	COATING
X1-10561	Zinc-plated, 6microns thick,
	chromatizing

1 Maximum misalignment of head and slot axes with respect to body axis $\leq 0.15\text{mm}$

2 Technical requirements are as per GOST 1759 -70

Copy is taken from GOST 17475-72.



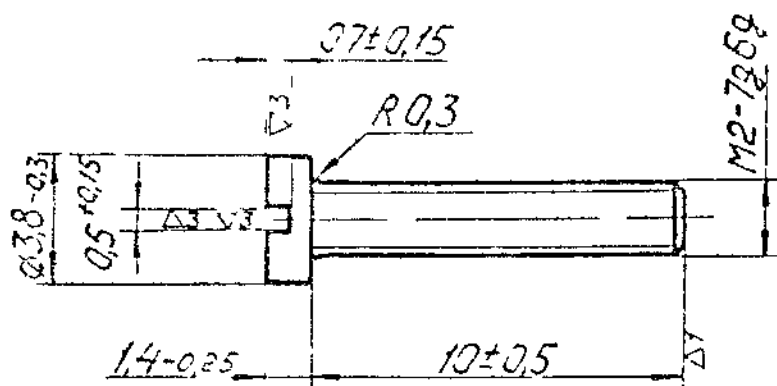
ЕСКД

X1-10561

SN	SH	DOC NO	SIGN	DATE	SCREW M3-7g6gx6 36	SHEET	WEIGHT	SCALE
DRAWN		PRASAD	Prasad	24.12.84	GOST 17475-72	6	0.3612	10:1
EDT,CHKD		AKOUBAY	Amir	29.12.84				
F/M,DC		S.R.NAIN	SR	18.1.85				
DIV.OFFR		A.K.KUNDU	AK	15.2.85	Steel 10 GOST1050-60			
		NAME	SIGN	DATE				
						TOTAL SHEETS		
						ORDNANCE FACTORY PROJECT HYDERABAD		

X1-10763

▽4 (▽)



- 1 Maximum misalignment of head and slot axes with respect to body axis is 0.15mm
2. Coating. Zinc-plated, 3to6microns thick, chromating
Composition of solution for chromating is as per instruction u-252-78.
- 3 Technical requirements are as per GOST1759-70

137
I-615

ECKA

X1-10763

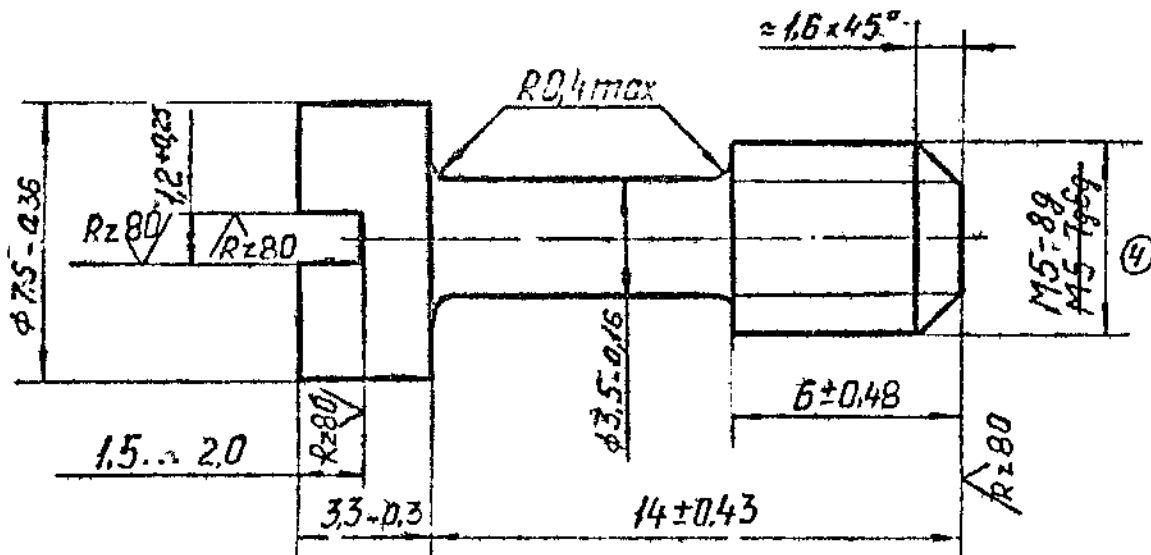
				SHEET	WEIGHT	SCALE.
				0,00025 5:1		
				TOTAL SHEETS		
				ORDNANCE FACTORY PROJECT HYDERABAD		

SN	SHY	DOC NO	SIGN	DATE
DRAWN		PRASAD	Prasad	24.12.84
EDT,CHKD	A.K. DUBAY	Anon		27.12.84
F/M,DC.	S.R. NAIR	SR		18/85
DIV.OFFR	A.K. KUNDU	AK		15.2.85
	NAME	SIGN	DATE	

SCREW
M2-7g6gx10 48A 016
GOST 1491-72
Steel A12
GOST 1414-75.

FL801-1X

Rz 40/ (✓)



- 1 Asymmetry of head is 0.25mm, that of flat is 0.4mm with respect to the axis of screw body
- 2 Coating Zinc-plated, 6microns thick, chromating Composition of solution for chromating is as per U-252-78
- 3 Other technical requirements are as per GOST1759-70

139
I-615

X1-10871

SCREW

SHEET WEIGHT SCALE

6 2.952 5:1

TOTAL SHEETS

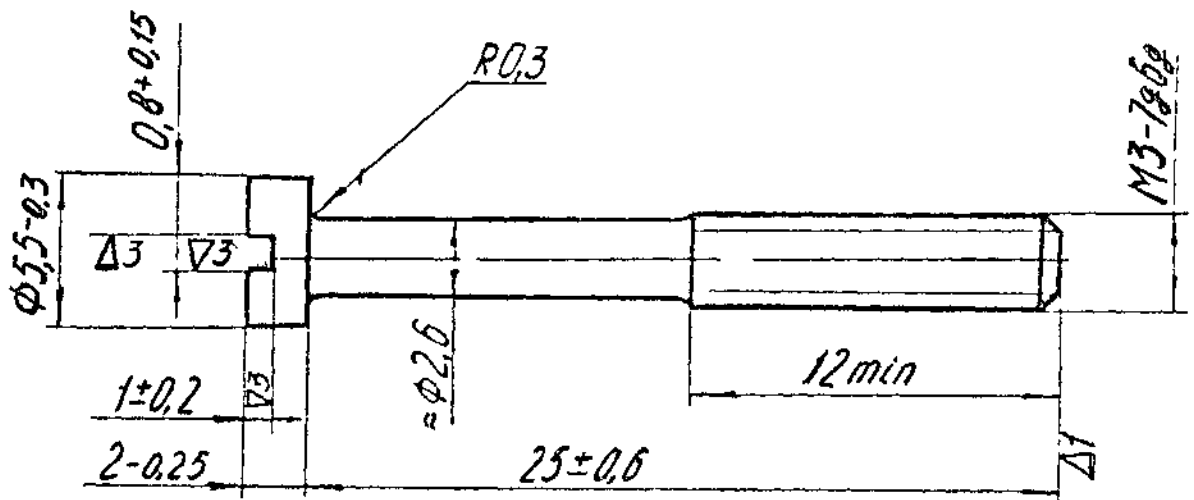
ORDNANCE FACTORY
PROJECT
HYDERABAD

SNOSHT	DOC NO	SIGN	DATE
DRAWN	PRASAD	prasad	24.12.84
EDT/CHKD	kanur	kanur	29.12.84
F/M, DC	S R NAIL	8	18.1.85
DIV. OFFR	A. K. KUNDU	AK	15.2.85
	NAME	SIGN	DATE

Steel A12 GOST1414-75

$\nabla_4 (\nabla)$

98378



1. Alternate material is steel A12 GOST 1414-75.
2. Maximum misalignment of axes of head and slot with respect to body axis 0.15mm.
3. Coating: Zinc-plated, 6 microns thick, chromating. Composition of solution for chromating is as per H-252-78.
4. Technical requirements are as per GOST 1759-70.

Copy is taken from GOST 1491-72.

вместе с подлинником

144

I-615

X1-11299

SNO	SHT	DOC NO	SIGN	DATE
DRAWN		PRASAD	<i>Prasad</i>	24.12.88
EDT,CHKD		A.K. KUNDU	<i>A.K. Kundu</i>	29.12.88
F/M, D.C.		S. R. NAIR	<i>S.R. Nair</i>	18.1.89
DIV. OFFR		A.K. KUNDU	<i>A.K. Kundu</i>	15.3.89
		NAME	SIGN	DATE

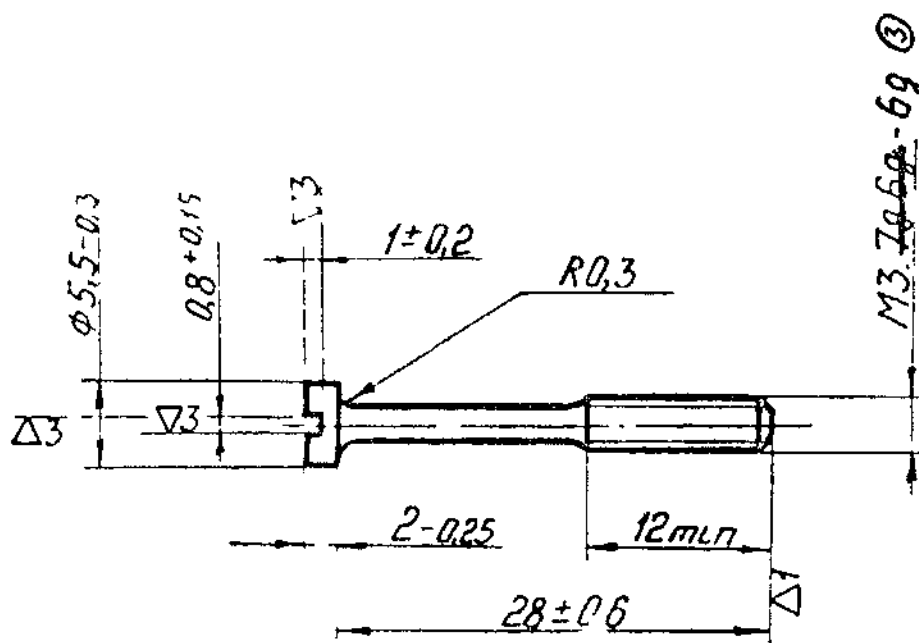
SCREW
M3-7g6gx25 36 016
GOST 1491-72
Steel 10
GOST1050-74

SHEET	WEIGHT	SCALE
137g 4:1		
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDABAD		

14911-1X

▽4(▽)

PH-10



Designation	*	Coating
X1-11641	016	Zinc-plated, 6microns thick, chromating Composition of solution for chromating is as per И-252-78

1 Maximum misalignment of axes of head and slot with respect to axis of body is 0.15mm

2 Technical requirements are as per GOST 1759-70

Copy is taken from GOST 1491-72.

146
I-615

X1-11641

SCREW

M3 6gx28 36

GOST 1491-72.

Steel 10 GOST 1050-74.

SHEET WEIGHT SCALE

0,0015! 2 1

TOTAL SHEETS

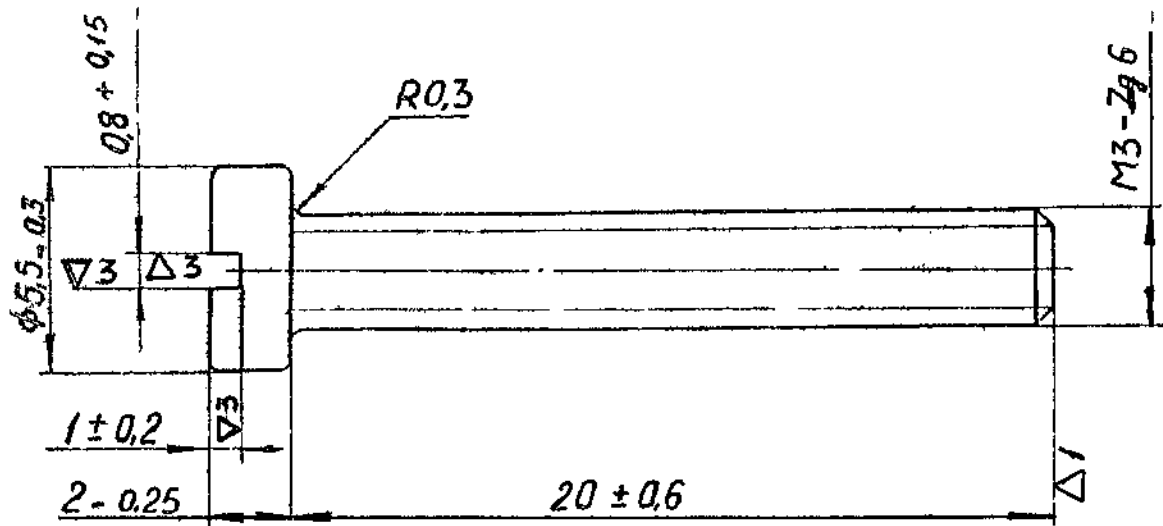
ORDNANCE FACTORY
PROJECT
HYDERABAD

NO	SHT	DOC NO	SIGN	DATE
DRAWN		PRASAD	prasad	24.12.81
EDT,CHKD		AKKUNDU	AKKUNDU	24.12.81
F/M,DC		S R NAIN	S R NAIN	18.1.85
DIV.OFFR		A.K.KUNDU	AKKUNDU	15.2.85
		NAME	SIGN	DATE

X1-11653

▽4(▽1)

PH-10



1 Maximum misalignment of axes of head and slot with respect to axis of body is 0.15mm

2 Technical requirements are as per GOST 1759-70

DESIGNATION	COATING
X1-11653	Zinc-plated, 6 microns thick chromating Composition of solution for chromating is as per 11-252-78,

147
I-615

X1-11653

SNOSHT	DOC NO	SIGN	DATE
DRAWN	PRASAD	Prasad	24.12.84
EDT,CHKD	A.K. SODHAI	Anon	24.12.84
F/M,DC	S.R. NAIR	82	18.1.85
DIV.OFFR	A.K. KUNDU	AK	15.2.85
	NAME	SIGN	DATE

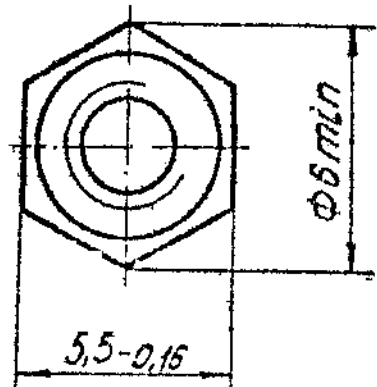
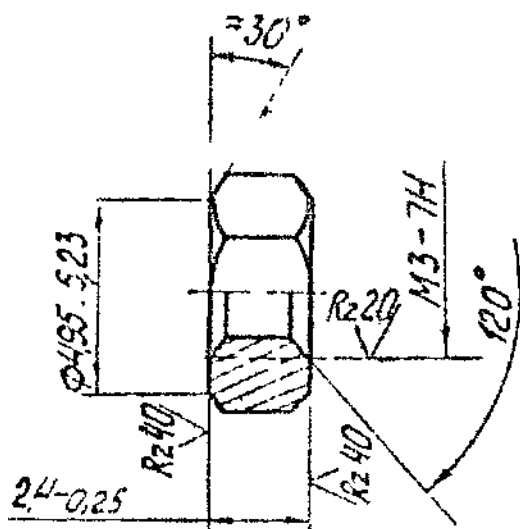
SCREW

Steel 10, GOST 1050-74

SHEET	WEIGHT	SCALE
	1.156 g	5:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

86904 - 2X

Rz 80 (✓)



1 Maximum displacement of axis of holes with respect to faces is 0.2mm

2 Roughness R2 40 is allowed

3 Other technical requirements are as per GOST 1759-70

Designation	*	Coating
X2-10598	016	Zinc-plated, 6 microns thick, chromating Composition of solution for chromating is as per H-252-78,

Copy is taken from GOST 5927-70

136
I-615

X2 - 10598

NUT M3.5A

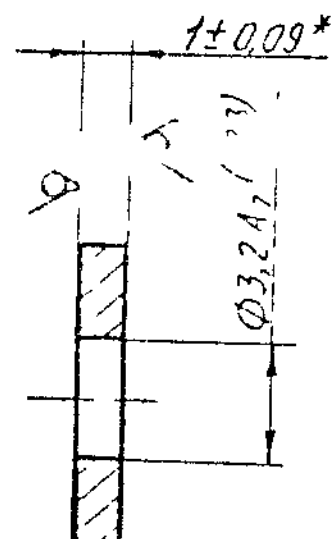
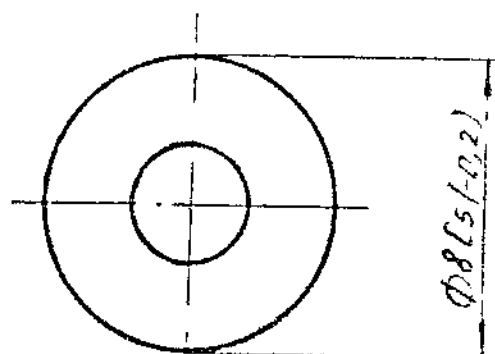
GOST 5927-70.

Steel A12 GOST 1414-75.

SN	SH	DOC NO	SIGN	DATE
DRAWN		PRASAD	prasad	24.12.84
EDT, CHKD		ANAND	anand	25.12.84
F/M, DC		S. R. NAIR	sr	18.1.85
DIV. OFFR		A. K. KUNDU	ak	15.2.85
		NAME	SIGN	DATE

SHEET	WEIGHT	SCALE
1	5.037g	5:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

X3-9675

R280
VM

Designation	Coating
X3-9675	Zinc-plated, 6 microns thick, chromating Composition of solution for chromating is as per M-252-78

* Dimension is given for reference

128
I-615

X3-9675

SHEET				WEIGHT		SCALE	
DRAWN				PRASAD		50.6: 5:1	
EDT, CHKD				A.K. DUBEY		TOTAL SHEETS	
F/M, DC				S.R. NAIK		ORDNANCE FACTORY	
DIV, OFFR				A.K. KUNDU		PROJECT	
NAME				SIGN		HYDERABAD	
DATE				DATE			

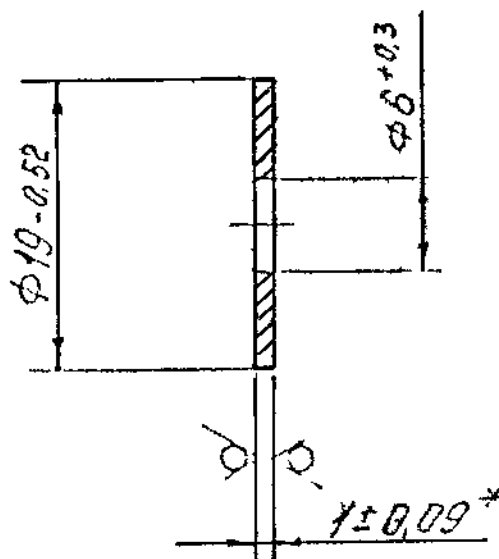
WASHER

B1 GOST 19904-74

Sheet 4 - II 10 GOST 16523-70.

X3-11005

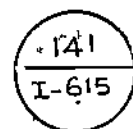
Rz80
V(V)



1. Dimension is given for reference

2. Coating Zinc-plated, 6 microns thick, chromating Composition of solution for chromating is as per U-252-78

7624



ECKD

X3-11005

SNO	SHY	DOC NO	SIGN	DATE
DRAWN	PRASAD	Phasad		24.12.84
EDT,CHKD	AKKUNDRU	AKKUNDRU		25.12.84
F/M,DC	S R NAIR	S R NAIR		18.1.85
DIV.OFFR	A.K. KUNDU	A.K. KUNDU		15.2.85
	NAME	SIGN	DATE	

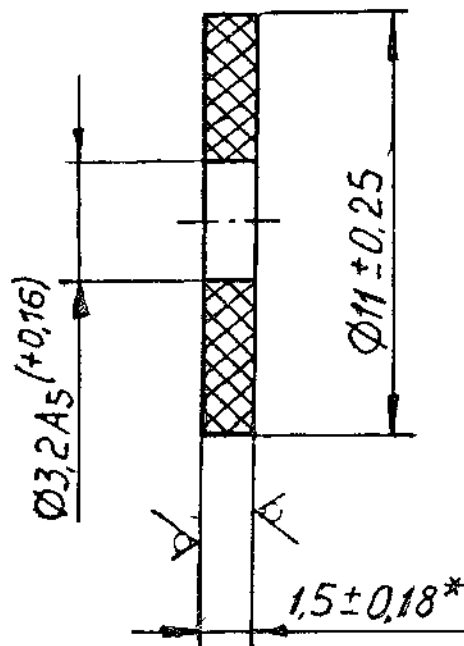
WASHER

Sheet 51 GOST 19904-74
4-II-10 GOST 16523-70.

SHEET	WEIGHT	SCALE
22		2:1
ROYAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

X5-114-53

R280/1017
✓(✓)



D Designation	Material	Alternate material	Coating
X5-114-53	Glass textolite A-1.5 GOST 2910-74.	Glass textolite Б-1.5 GOST2910-74.	Varnish ГФ-95 GOST8018-70.

- * Dimension is given for reference.
- it is allowed to use varnish МГ-92(И) GOST 15865-70.

145
I-615

145
I-615

ЕСКД

X5-114-53

WASHER

SN/SH	DOC NO	SIGN	DATE
DRAWN	PRASAD	Prasad	24.12.84
EDT,CHKD	A.K.KUNDU	A.K.K.	23.12.84
F/M,DC	S.R.NAIR	S.R.	18.1.85
DIV.OFFR	A.K.KUNDU	A.K.	15.2.85
	NAME	SIGN	DATE

SHEET	WEIGHT	SCALE
5	0,172	5:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

Восстановлен с оригинала

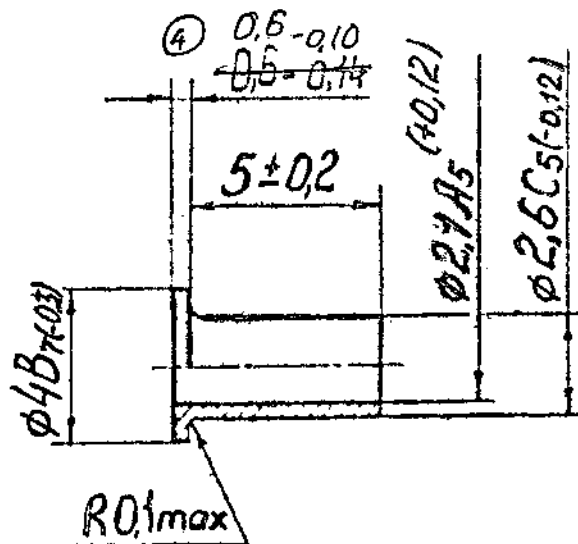
20079 100079 9476 2882

1000000000

1000000000

X6-10783

Rz80



Coating: tin-plating, 6.

138

I-615

ECKY

X6-10783

SNO	SHI	DOC NO	SIGN	DATE
DRAWN	PRASAD	Prasad		24.12.84
EDT, CHKD	A. K. KUNDU	A. K. K.		29.12.84
F/M, DC.	S. R. NAIL	S. R. N.		18.1.85
DIV. OFFR	A. K. KUNDU	A. K. K.		15.2.85
	NAME	SIGN	DATE	

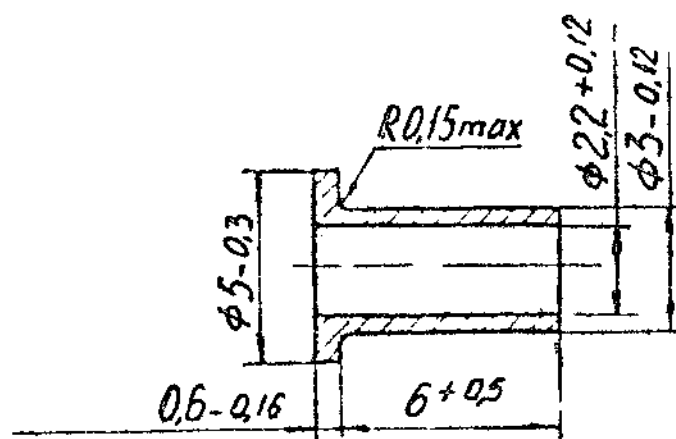
RIVET

Bar / 63 T.Kp NNT-5
GOST2060-73.

SHEET	WEIGHT	SCALE
5	0.082	5:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

X6-11236

Rz 80



- 1, Limit displacement of axis of head with respect to axis of body is 0.2mm,
- 2 Coating Cadmium, 9microns, thick, chromating
- 3 Other technical requirements are as per GOST 12644-67

143

I-615



X6-11236

SNO	SHY	DOC NO	SIGN	DATE
DRAWN	PRASAD	PRASAD		24.12.84
EDT,CHKD	A.K. KUNDU	A.K. KUNDU		21.12.84
F/M,DC.	S.R. NAIK	S.R. NAIK		18.1.85
DIV.OFFR	A.K. KUNDU	A.K. KUNDU		15.2.85
	NAME	SIGN	DATE	

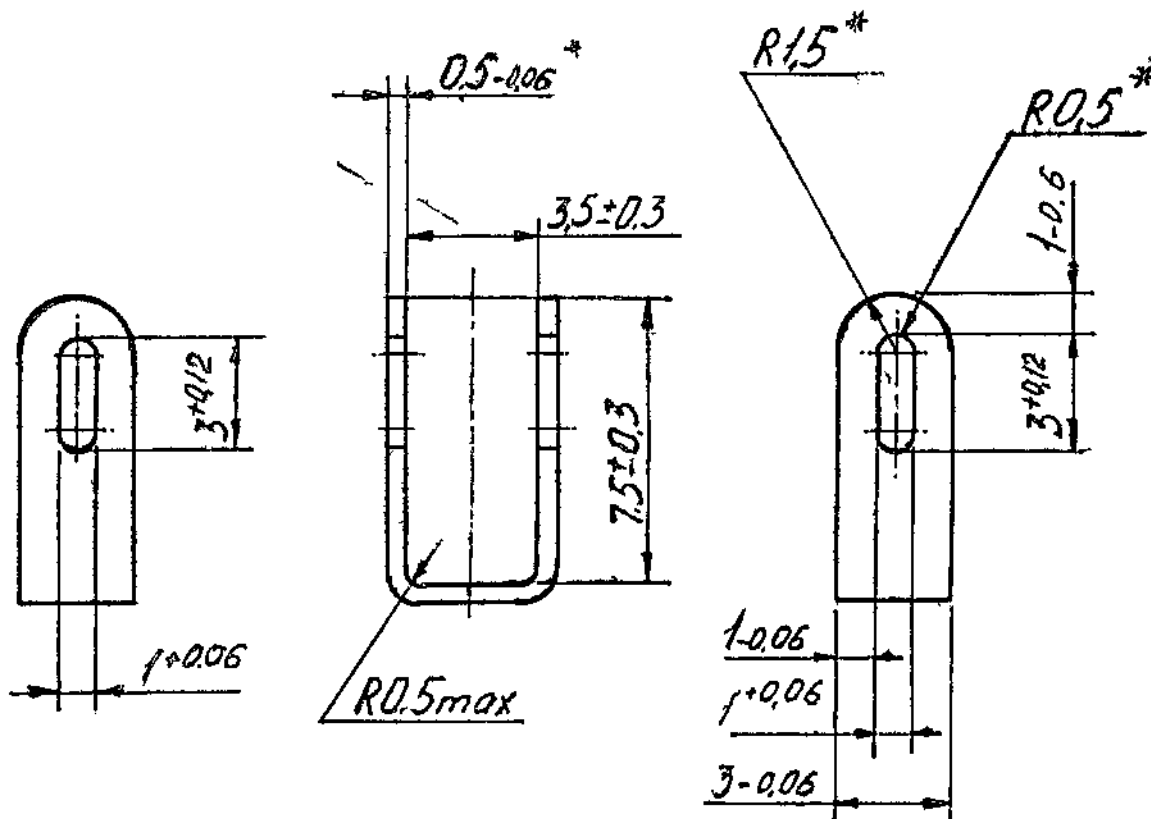
RIVET

Brass 163
GOST 15527-70

SHEET	WEIGHT	SCALE
6	0.105	5:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

X9-111-37

R280
✓(✓)



1 Alternate material is sheet **АППМ** 0.5 / 63 GOST 931-78

2* Dimensions are given for reference

3 Coating Cadmium, 12microns

4 Permissible coating Tin, 15microns and Silver, 9microns

142
I-615

ЕСКД

X9-111-37

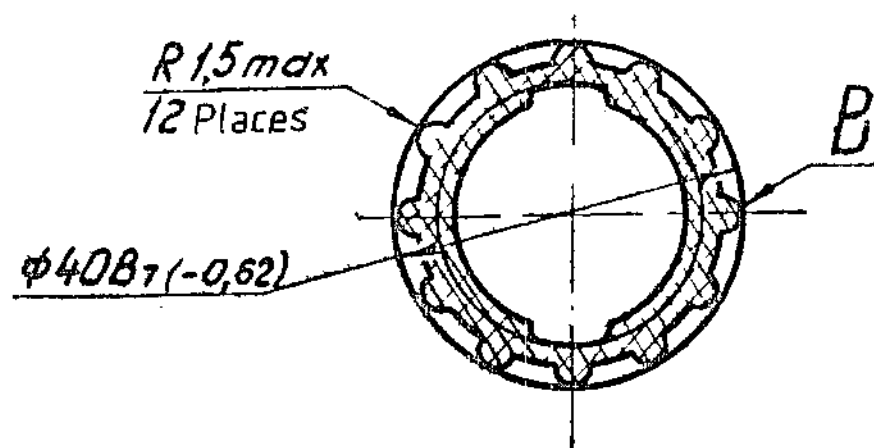
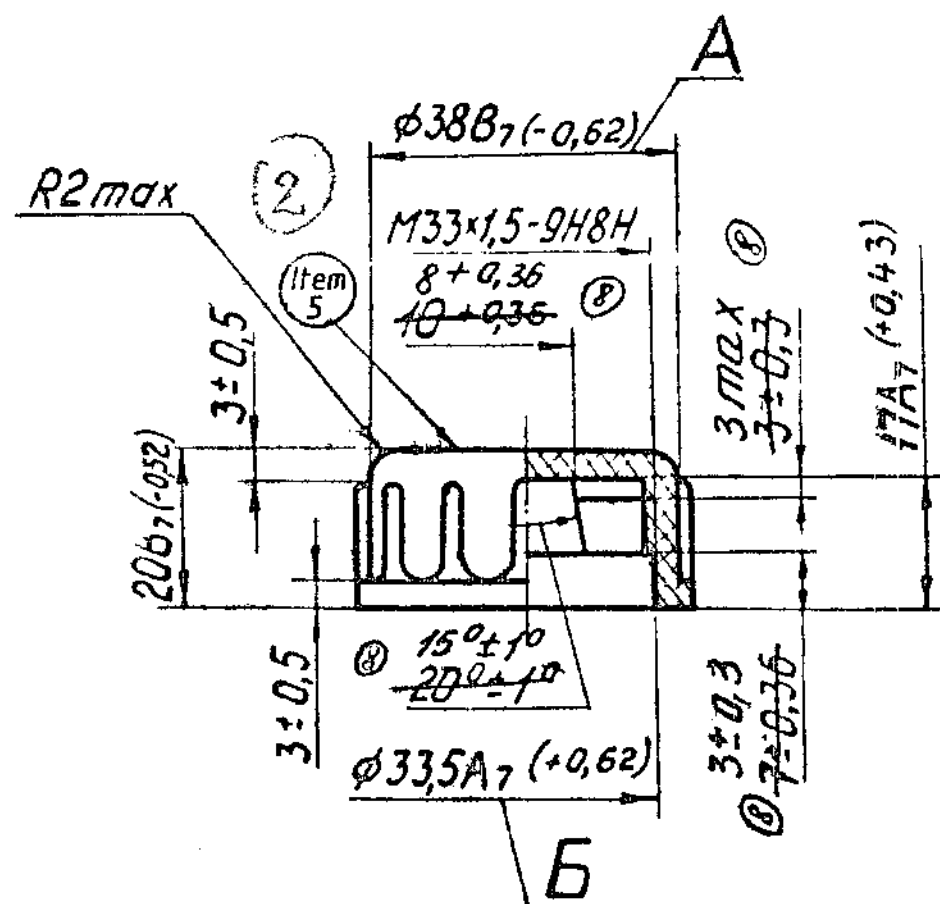
LUG				SHEET WEIGHT SCALE	
SN	SHY	DOC NO	SIGN DATE	5	2,199, 51
DRAWN	PRASAD	PRASAD	24.12.82	TOTAL SHEETS	
EDT/CHKD	AROUNDY	AROUNDY	28.12.82		
F/M, DC	S R NAR	S R NAR	18.1.83	ORDNANCE FACTORY PROJECT HYDERABAD	
DIV. OFFR	A.K. KUNDU	A.K. KUNDU	15.2.83		
	NAME	SIGN	DATE		

HBK0 775 017
(HBK7 750.067)

Band **АППМ** 0.5 / 63
GOST2208-75

84601-6X

2.5/



- 1 Alternate material is poly-ethylene 18103-035, grade 2, GOST 16337-77
- 2 Taper of 1° to the side of decreased dimension A and 4° to the side of increased dimension B is allowed upon removal from mould,
- 3 Unspecified radii should not exceed 1mm,
- 4 Displacement of ribs B along the angle is ±1° from true position
- 5 Mark the seat number of mould and designation of part with embossed type 4 as per HO 010 007.
- 6 Other requirements are as per OSTB 84-1602-78
- 7 Dimensions are provided with tool

140
I-615

X9-10948

SN/SH	DOC NO	SIGN	DATE
DRAWN	PRASAD	Prasad	24.12.84
EDT/CHKD	ARADUGAY	Aradugay	29.12.84
F/M, DC	S. R. NAIL	S. R. NAIL	18.1.85
DIV. OFFR	A. K. KUNDU	A. K. KUNDU	15.2.85
	NAME	SIGN	DATE

CAP
TRANSPORTATIONPolyethylene 209-01
Grade 1, GOST 16338-77

SHEET	WEIGHT	SCALE
11	6.92	1:1
TOTAL SHEETS		
ORDNANCE FACTORY PROJECT HYDERABAD		

Восстановлен с подлинника
17888 (подл.) 5.7.76 40198