

ANDREW YULE & CO. LTD.  
T & S UNIT  
MADRAS - 600 096.

MATERIAL INSPECTION PLAN

QAP - 107/R.-1

PRESS BOARD, PRECOMPRESSED BOARD,  
SPACER STRIPS, RUNNERS, ANGLE RING AND  
ANGLE WASHERS.

Method of inspection :

1. Verification of manufacturer's test certificates for the following parameters:
  - a) Thickness
  - b) Density
  - c) Electrical strength
  - d) Tensile strength
  - e) Compressibility
  - f) Oil absorption
  - g) Moisture content
  - h) Shrinkage
  - i) Conductivity
  - j) Ash content
  
2. Checks on the material at our works.
  - a) Thickness
  - b) Dimension
  - c) Physical verification

Acceptance by Sampling Inspection.  
Sampling procedure as per IS 2500 part -I (1992)

<u>MATERIAL DESCRIPTION</u>	<u>INSPECTION LEVEL</u>	<u>AQL</u>	<u>MODE OF INSPECTION</u>
PRESS BOARDS	L - III	4.0	REDUCED
PRE COMPRESSED BOARDS	L - III	4.0	REDUCED
STRIPS	L - III	1.5	TIGHTENED
RUNNERS	L - III	1.5	TIGHTENED
SPACERS	L - III	1.5	TIGHTENED

ANGLE RING, ANGLE WASHERS - 100% Inspection.

Prepared by : *B. Mahalingam*  
Designation : A M - QC  
Date : *17/1/95*

Approved by : *[Signature]*  
Designation : D M - QC  
Date : *17/1/95*



**SPECIFICATION FOR PRESS BOARDS**

**I. GENERAL REQUIREMENTS**

1. Type : Calendered pressboards (type C&D)  
pre-compressed pressboards
2. Application : Used in transformer as electrical  
insulating material

**II. SPECIFICATIONS**

1. Standards to be adopted : IS 1576/92 for pressboards, IEC  
641-3-2 for precompressed press  
boards
2. Material composition
  - a. Pressboard type C : Mixture of cotton and other fibres such as  
jute and wood pulp
  - b. Pressboard type D : Vegetable fibre – usually made from chemical  
woodpulp
  - c. Precompressed pressboard : 100% sulphate wood pulp.



**3. Material Characteristics**

CHARACTERISTICS	UNIT	TYPE C		TYPE D		PRE-COMPRESSED	
		REQUIRED VALUE	TOLERANCE	REQUIRED VALUE	TOLERANCE	REQUIRED VALUE	TOLERANCE
Thickness	Mm	As per PO	+/-7.5%	As per PO	+/-7.5%	As per PO	+/-7.5%
Finish		Calendered		Calendered		Calendered	
Density	G/cc	1.10	MAX	1.10	MIN	1.1 to 1.3	
Electrical strength							
i) In air	KV/mm	7.0	MIN	8.0	MIN	12.0	MIN
ii) In oil	KV/mm	9.0	MIN	10.0	MIN	28.0	MIN
Tensile strength							
i) Machine direction	Kg/Sq.cm	500	MIN	800	MIN	1100	MIN
ii) Cross direction	Kg/Sq.cm	250	MIN	400	MIN	800	MIN
Compressibility							
i) In air	%	8	MAX	5	MAX	6	MAX
ii) In oil	%	12	MAX	9	MAX		
Shrinkage in air							
i) Machine direction	%	1.0	MAX	1.0	MAX	0.5	MAX
ii) Cross direction	%	1.5	MAX	1.5	MAX	0.7	MAX
iii) Perpendicular direction	%	4.0	MAX	6.0	MAX	4.5	MAX
Shrinkage in oil							
i) Machine direction	%	0.3	MAX	0.3	MAX	N.A	
ii) Cross direction	%	0.3	MAX	0.3	MAX	N.A	
iii) Perpendicular direction	%	1.5	MAX	1.5	MAX	N.A	

0	THIRD ISSUE			
Revision	Description	Prepared	Approved	Date
		<i>A. Yule</i>	<i>(S)</i>	10.1.97

**GDD111**



CHARACTERISTICS	UNIT	TYPE C		TYPE D		PRE-COMPRESSED	
		REQUIRED VALUE	TOLERANCE	REQUIRED VALUE	TOLERANCE	REQUIRED VALUE	TOLERANCE
Oil Absorption	%	15	MIN	15	MIN	9	MIN
Conductivity of aqueous extract	mho/cm.	85	MAX	80	MAX	80	MAX
pH value of aqueous extract		7 to 9.5		5 TO 9.5		5.5 TO 9.0	
Moisture content	%	%	MAX	8	MAX	6	MAX
Mineral Ash	%	2	MAX	1	MAX	1	MAX

### III. TESTS

Routine tests to be conducted for all the characteristics mentioned in clause II.3 as per IS 1576 and IEC 641.

### IV. EXTENT OF CHECK

Sampling as per IS 1576.

### V. PACKING

Pressboards shall be packed to protect it from absorbing moisture and mechanical injuries in polyethylene bags and cases.

Each consignment shall be legibly marked on a suitable place with the following Information:

- i. Manufacturer's name
- ii. Grade
- iii. Thickness
- iv. Quantity in Kgs.

### VI. DOCUMENTS

Test Certificate shall accompany each consignment

### VII. ACCEPTANCE CRITERIA

As per SPT 119 ( For Internal use only ).

0	THIRD ISSUE			
Revision	Description	Prepared	Approved	Date
		R. Y. S.	(Signature)	10.1.97

GDD111



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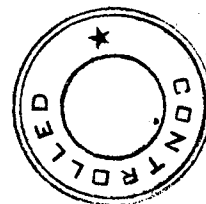
SPEC. No. SPT 119

PAGE NO. 1 OF 1

SPT 119

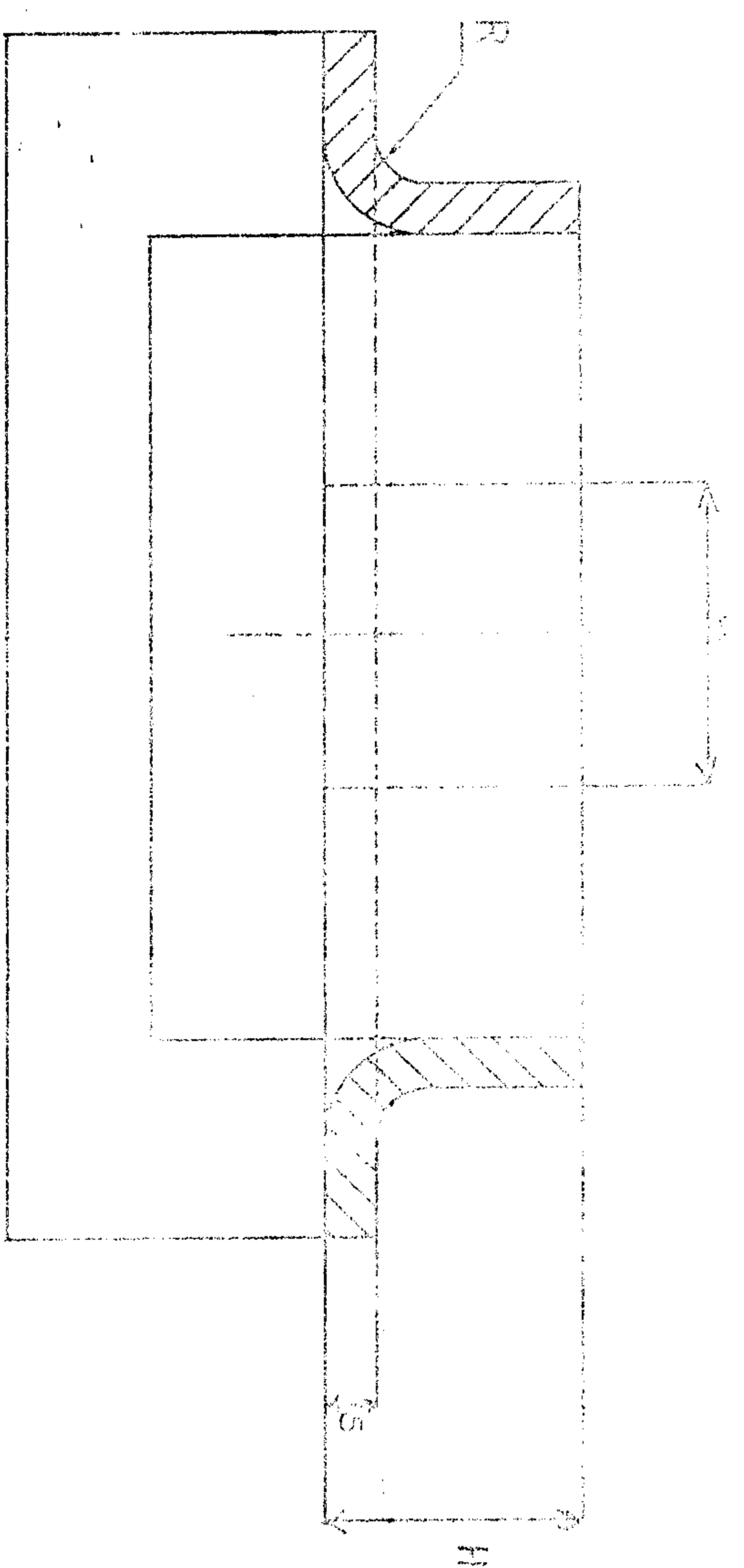
**I ACCEPTANCE CRITERIA FOR PRESS BOARDS FOR SPEC. NO.SMI 104**

CHARACTERISTICS	UNIT	TYPE C		TYPE D		PRE-COMPRESSED	
		REQUIRED VALUE	TOLERANCE	REQUIRED VALUE	TOLERANCE	REQUIRED VALUE	TOLERANCE
THICKNESS	mm	As per PO	+/-7.5%	As per PO.	+/-7.5%	As per PO	+/-7.5%
Electric strength							
I) In Air	KV/mm	7.0	MIN	8.0	MIN	12.0	MIN
II) In Oil	KV/mm	9.0	MIN	10.0	MIN	28.0	MIN
Oil Absorption	%	15	MIN	15	MIN	9.0	MIN
Moisture content	%	8	MAX	8	MAX	6.0	MAX
Length	mm	As per PO.	+/- .5%	As per PO.	+/- .5%	As per PO.	+/- .5%
Width	mm	As per PO.	+/- .5%	As per PO.	+/- .5%	As per PO.	+/- .5%



0	FIRST ISSUE	<i>K. M. S.</i>	<i>(SR)</i>	10.1.97
Revision	Description	Prepared	Approved	Date

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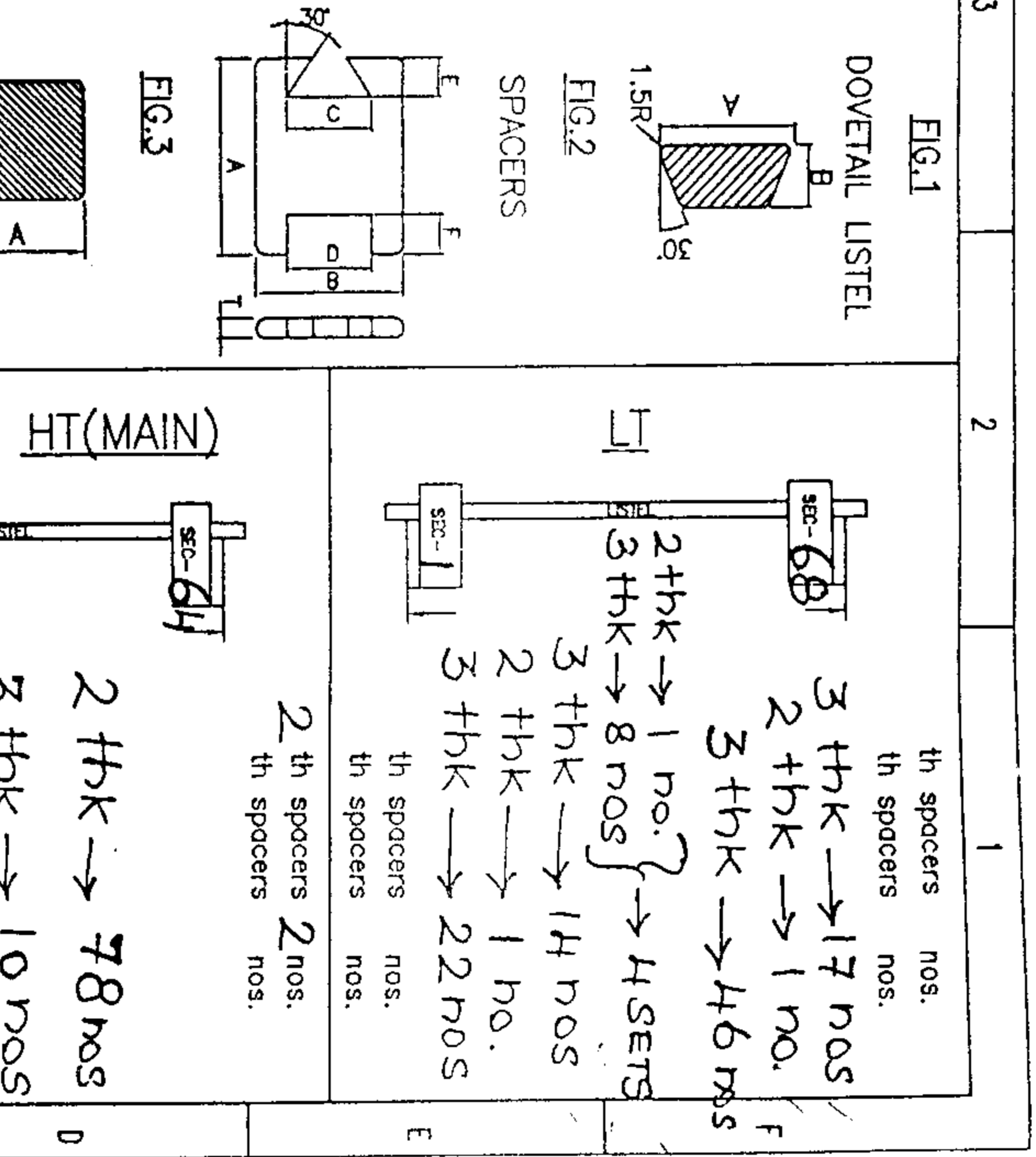


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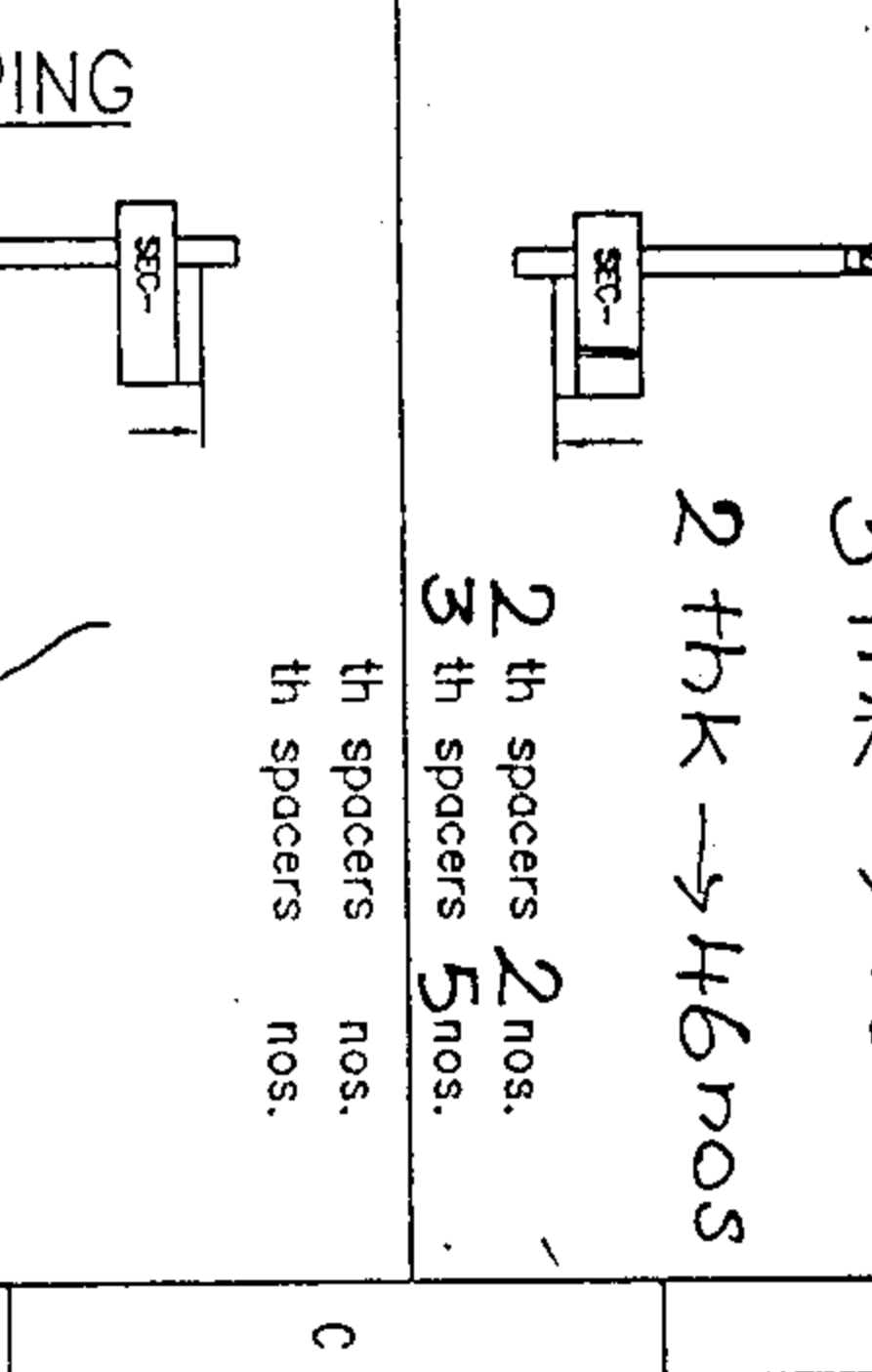
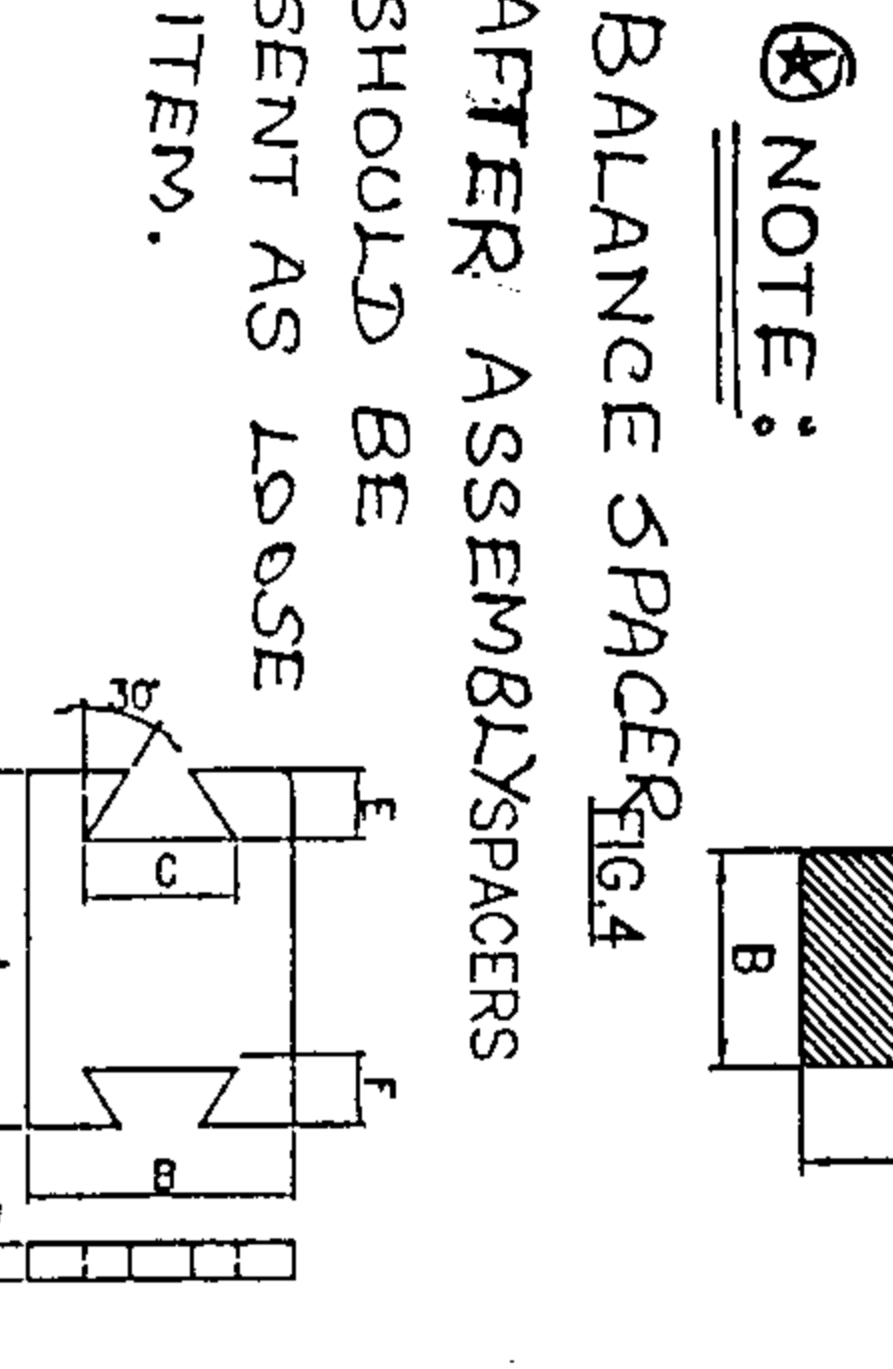
MATERIAL: TRANSCFORMER BOARD T III  
 PRE-COMPRESSED BOARD

All dimensions are in mm Unless otherwise stated Tolerance Coarse IS:2102 (Part 1) Unless otherwise specified		ANDREW YUIE & CO. LTD. (A CORPORATION OF INDIA ENTERPRISE) ELECTRICAL DIVISION TRANSFORMER & SWITCHGEAR UNIT MADRAS		ISSUE DATE: 21/11/68 PUR. P/LB QC PRO CUST. MEN CONTROLLED COPY	
Name: K.J. Signature: [Signature] Date:	Design: [Signature] Date:	Checked: [Signature] Approved: [Signature]	Title: ANGLE RING	Scale: NTS	No. 3571
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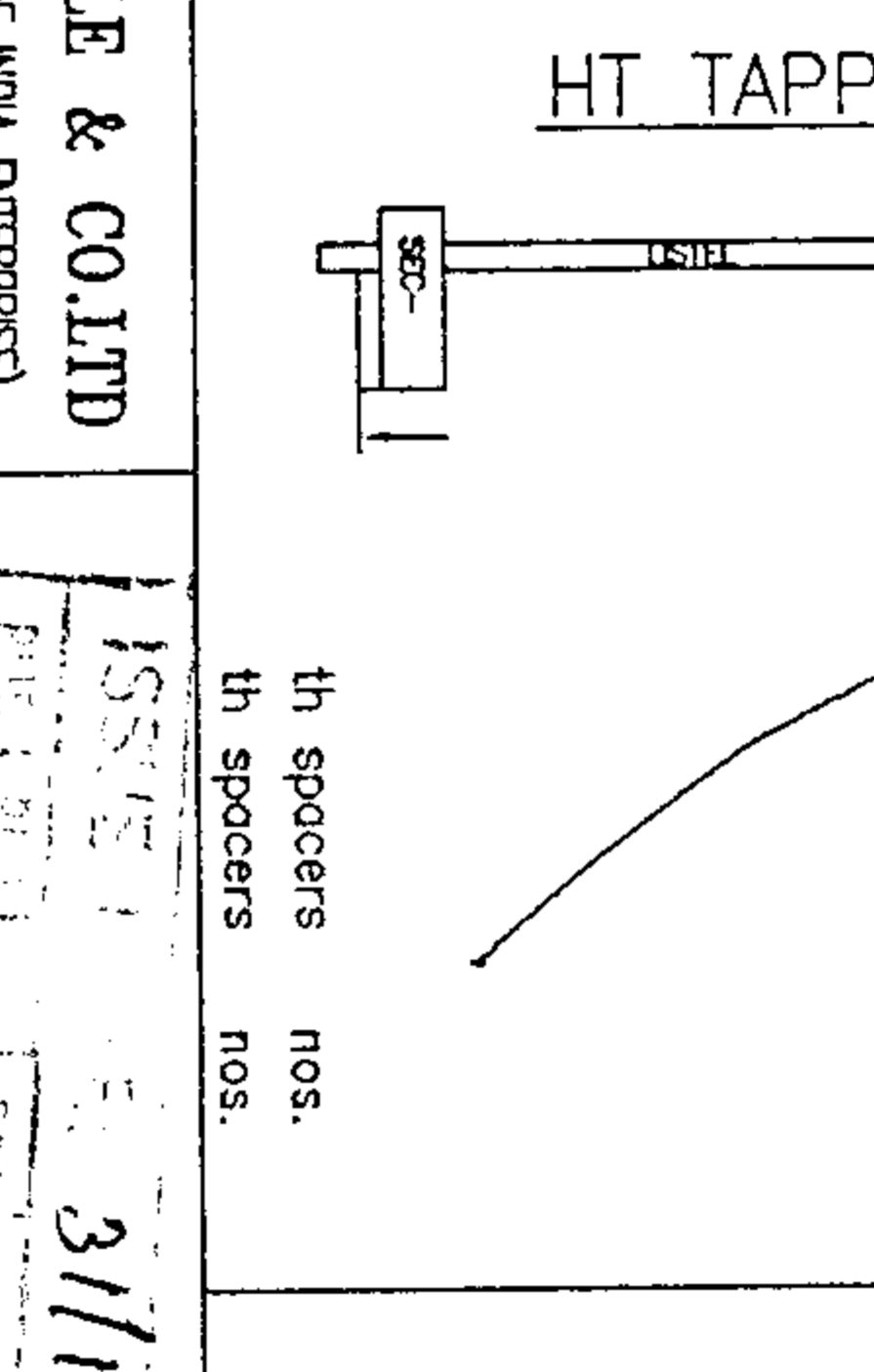
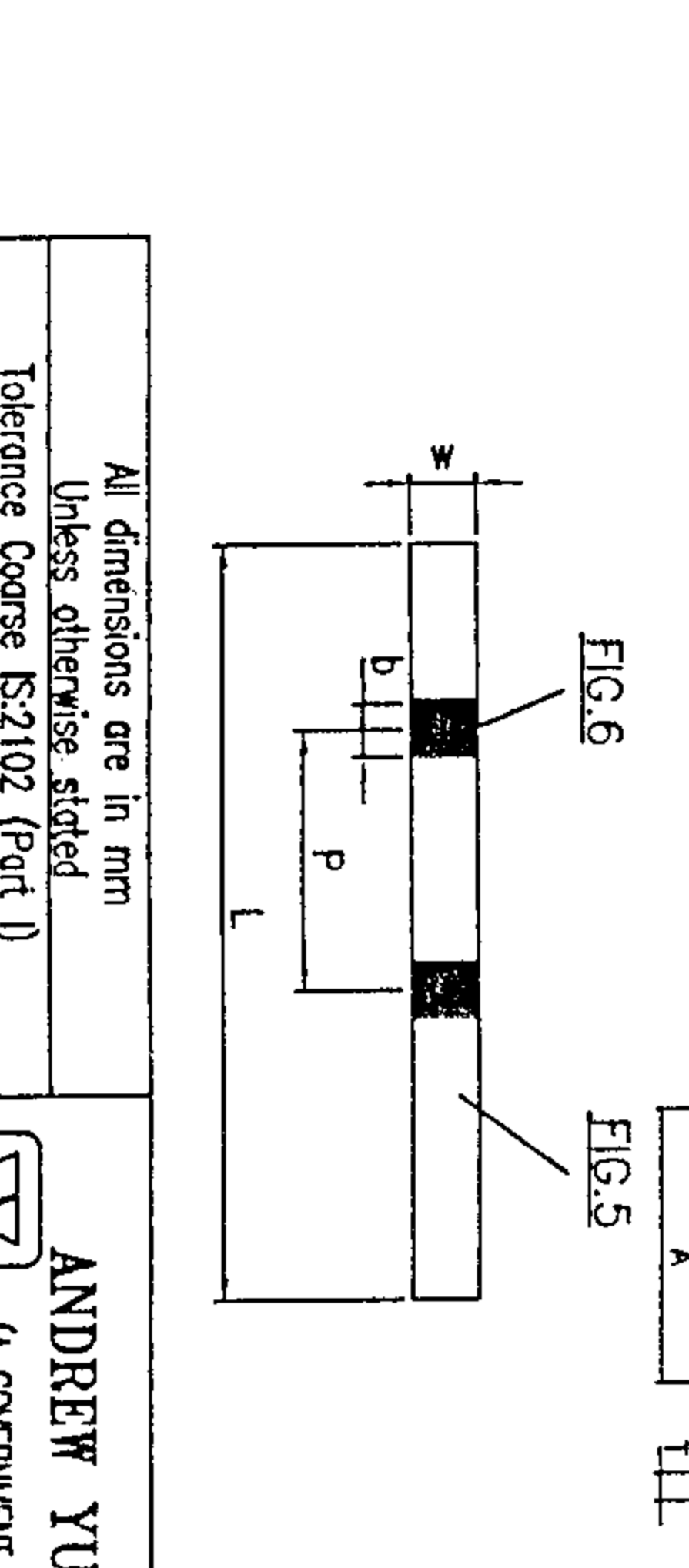
WDG.	DOVETAIL LISTEL (MATL: PCPB)			SPACER X (MATL: PCPB)						RECT. RUNNER X (MATL: PCPB)			CYLINDER X (MATL: P.B)					
	A	B	L	QTY.	A	B	C	D	E	F	A	B	L	QTY.	L	B	THK.	QTY.
LT	206	1480	96	FIG.1	39	40	21	21	4	4	20	5	1380	48	1710	1380	1.5	3
HT (MAIN)	25	8	1480	48	FIG.1	89	50	26	26	6	6	6	6	6	6	6	6	6
HT (TAP)	—	—	—	FIG.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—



DUCT NOS.	DUCT PIECE TO BE PASTED ON BASE STRIP AT A PITCH OF "P"	BASE STRIP (FIG 5) (4.3 Grade)			DUCT PIECE (FIG 6) (4.3 Grade)			PASTING DETAILS
		W	L	THK	QTY.	W	b	
L.V								PITCH (P) =
H.V								PITCH (P) =



HT (TAP)	PACKING STRIP X (MATL. 4.3 GRADE)			DISTANCE PIECE X (MATL. 4.3 GRADE)				
	W	L	THK	QTY.	W	b	THK	QTY.
L.T	11.5	1500	1.0	375	—	—	—	—
HT (MAIN)	15.0	2300	1.0	65	15.0	40	3.0	200
HT (TAP)	10.0	2300	1.0	120	10.0	40	4.0	100



REV.No.	ZONE	DETAILS OF REVISION	DRAWN	APPD.	DATE
8					

Checked	18.R	14.10.06
Approved		

SCALE :	N.T.S
F.O.No.	3571/5
DRG.No. :	TG-A4-7710
REV.No.	0

ISSUE 1 DATE 31/10/06

NOTE:  
 [1] 2% EXTRAPACKING STRIP (L.V & H.V) SHOULD BE SENT SEPERATELY  
 [2] 2% EXTRA SPACER IN ALL SIZES ARE TO BE SENT SEPERATELY.  
 [3] 6 NOS DUCT ASSEMBLY SHOULD BE SENT AS EXTRA

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 TRANSFORMER & SWITCHGEAR UNIT  
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Tolerance Course IS:2102 (Part 1)  
 Unless otherwise specified

HT TAPPING

HT(MAIN)

INSULATION KIT (WINDING)

DOVETAIL LISTEL

SPACERS

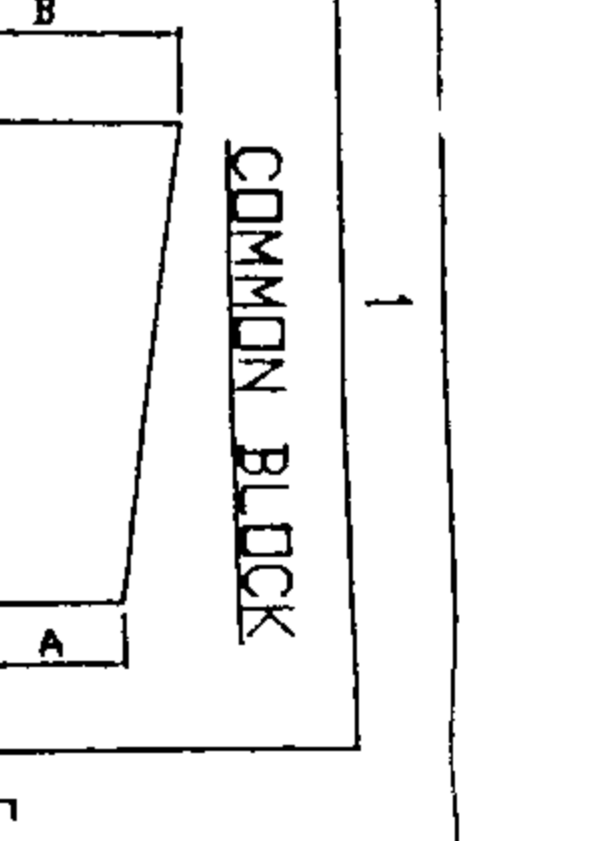
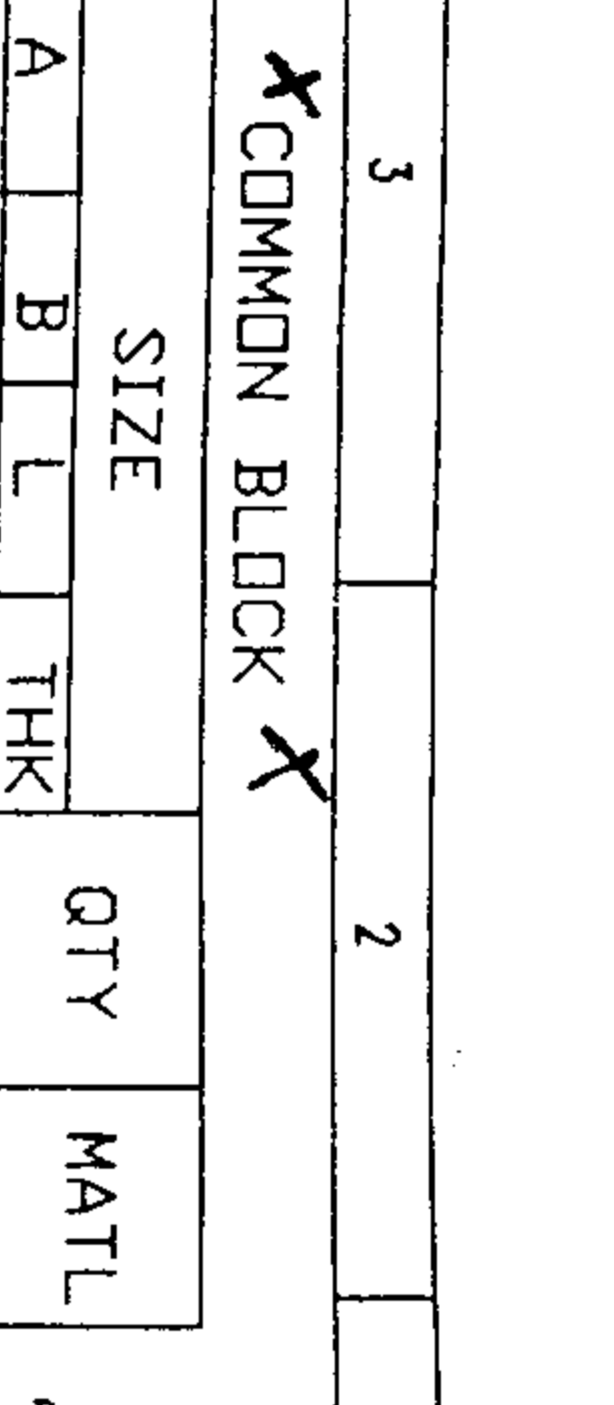
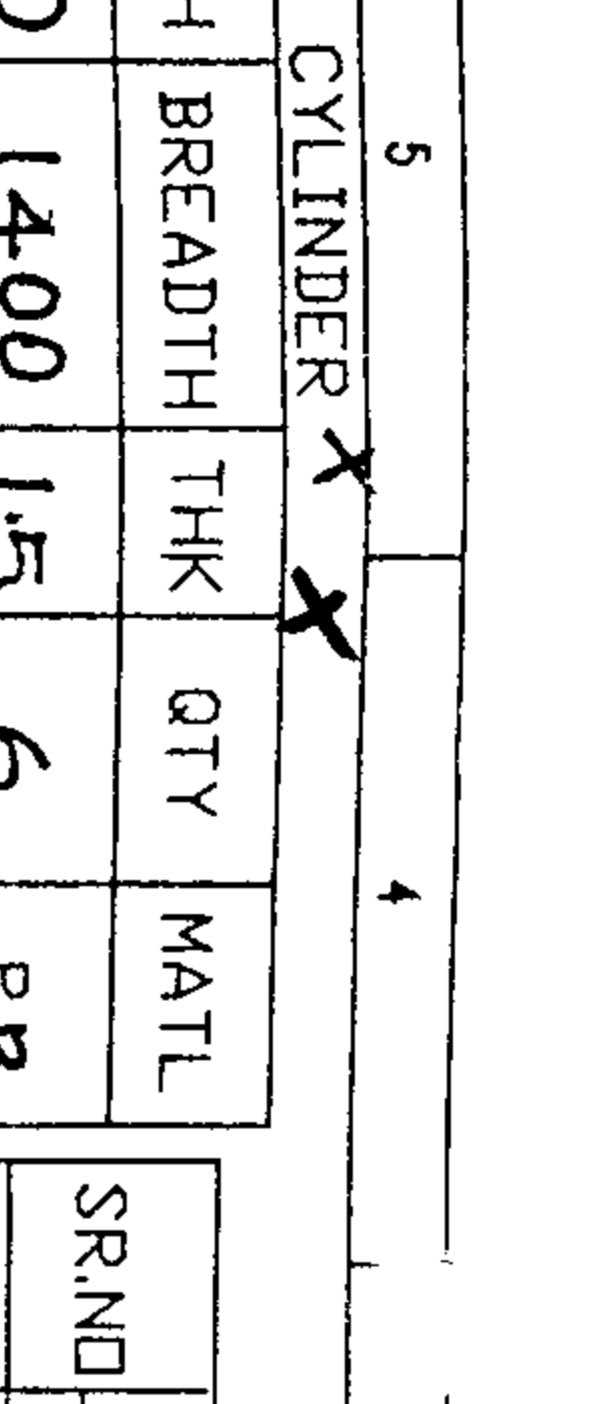
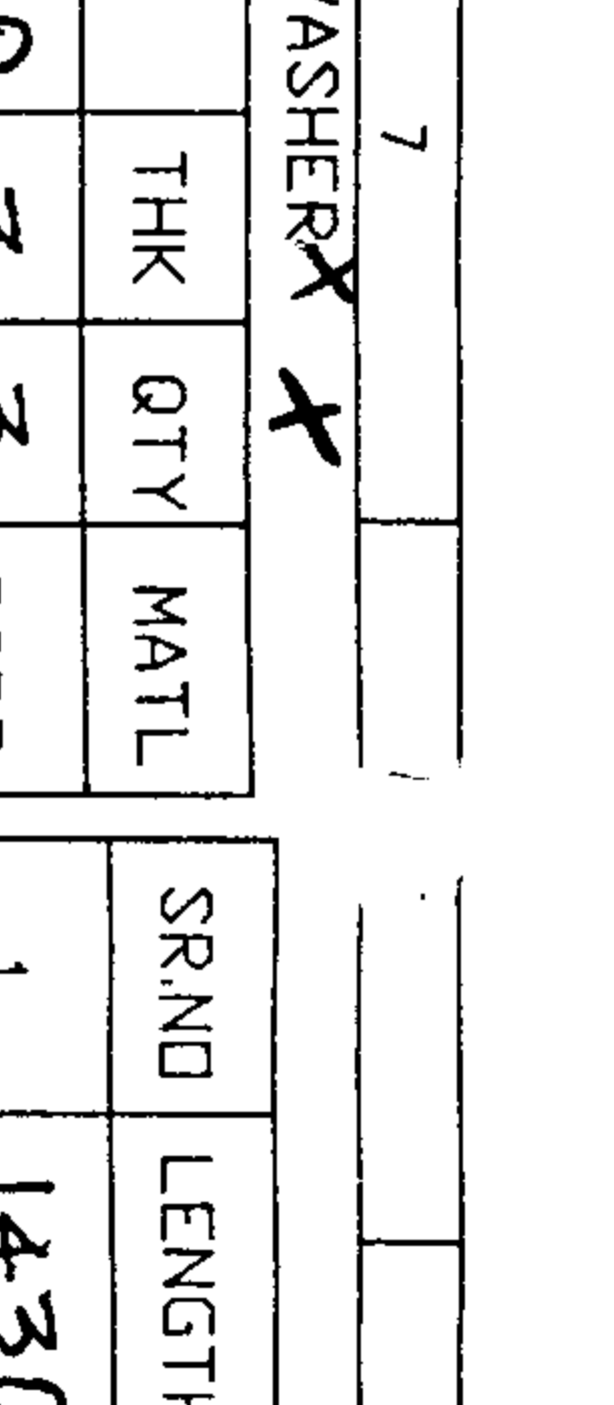
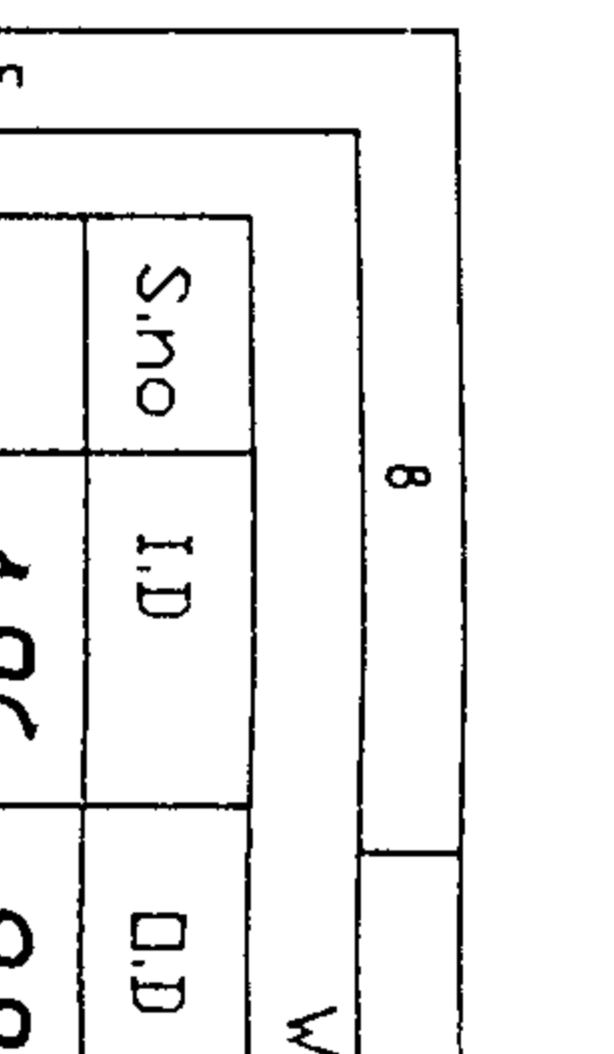
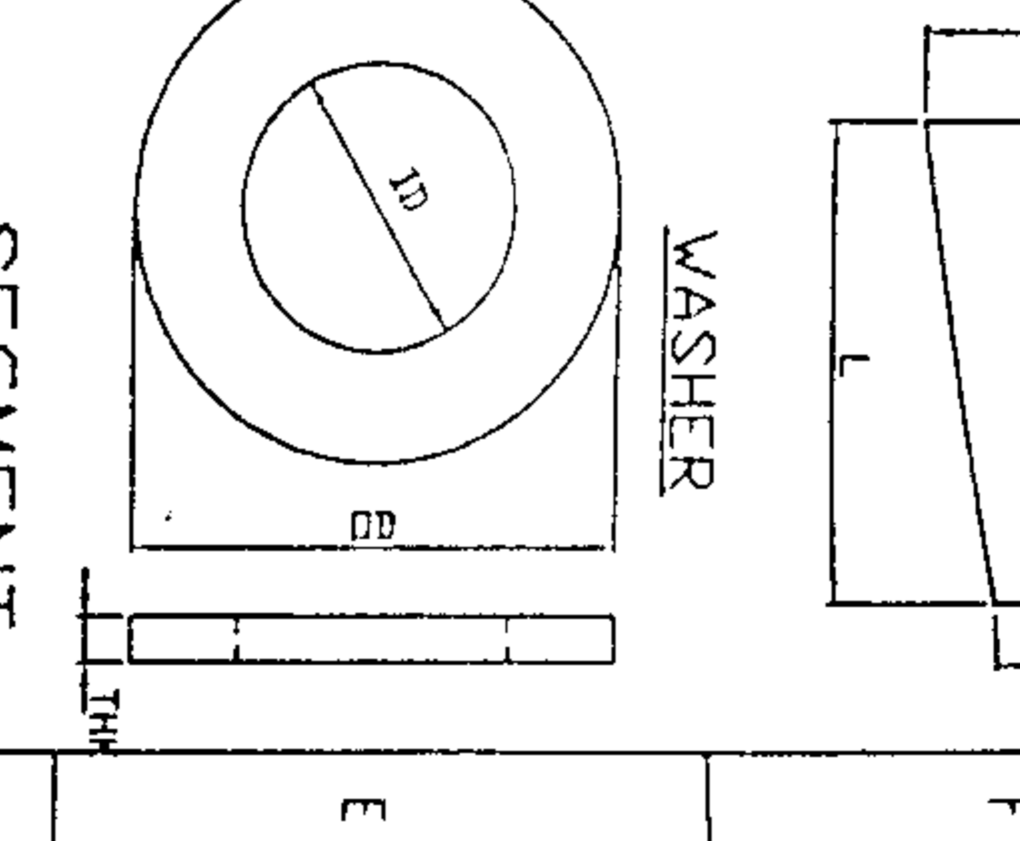
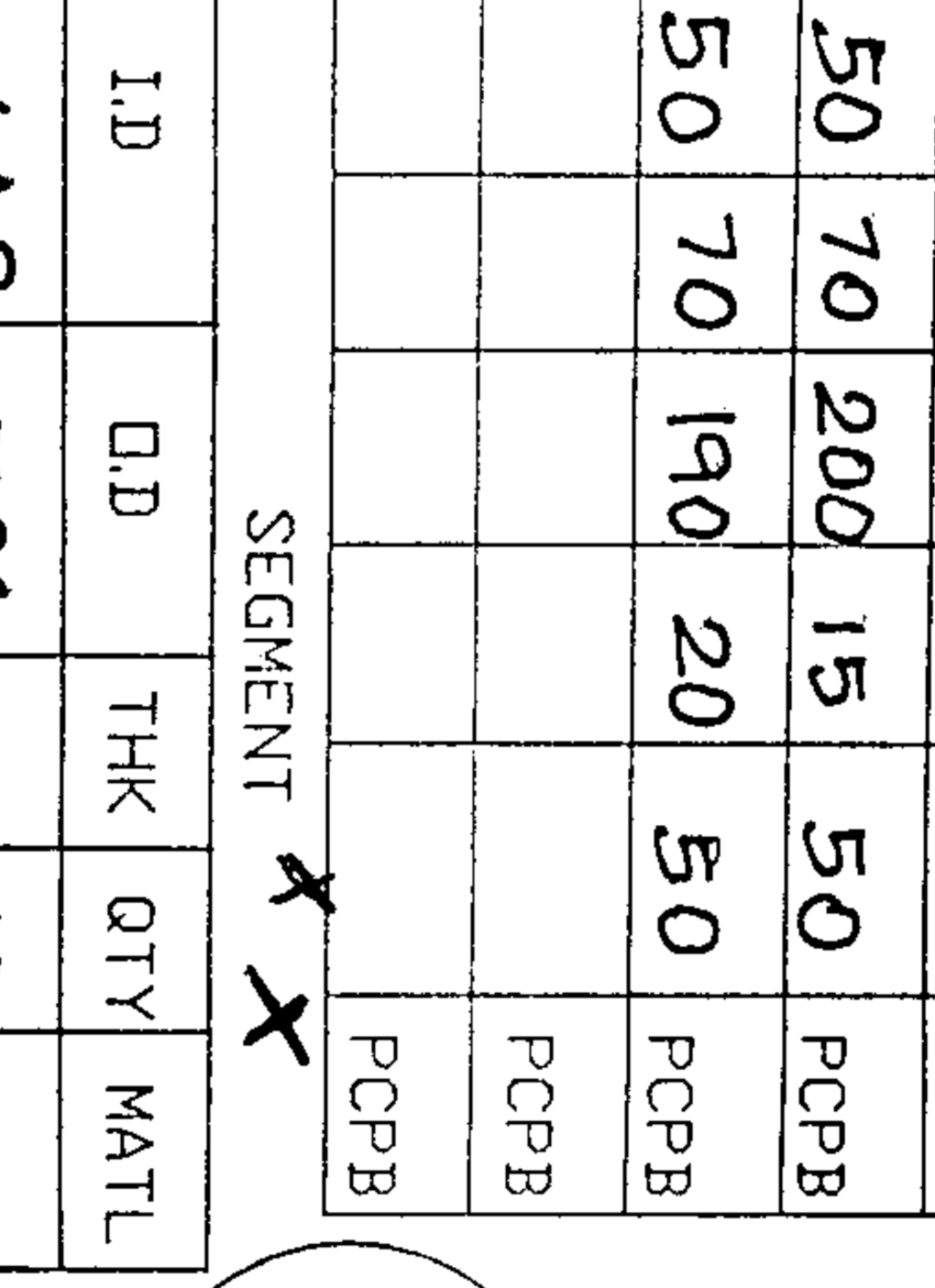
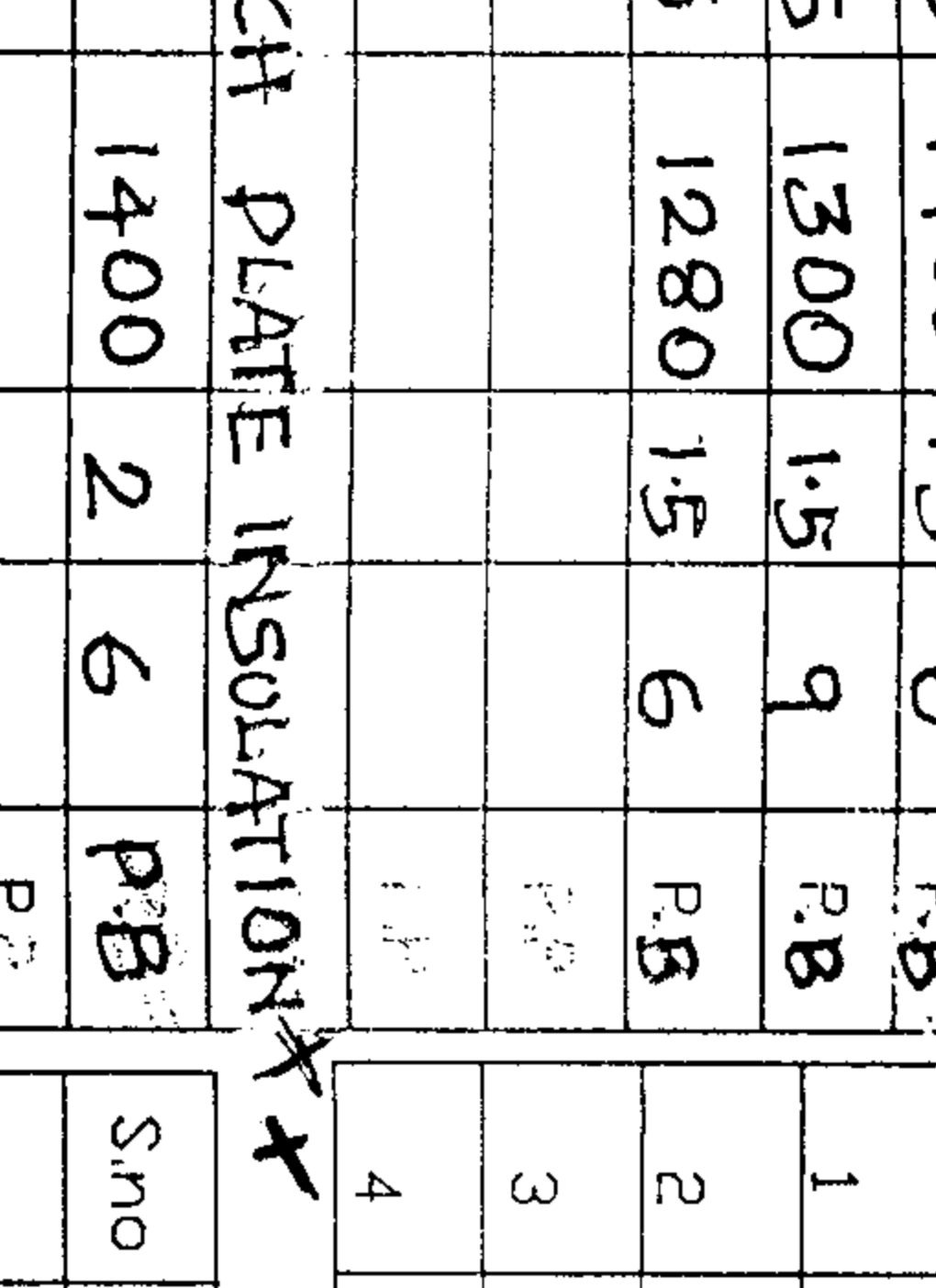
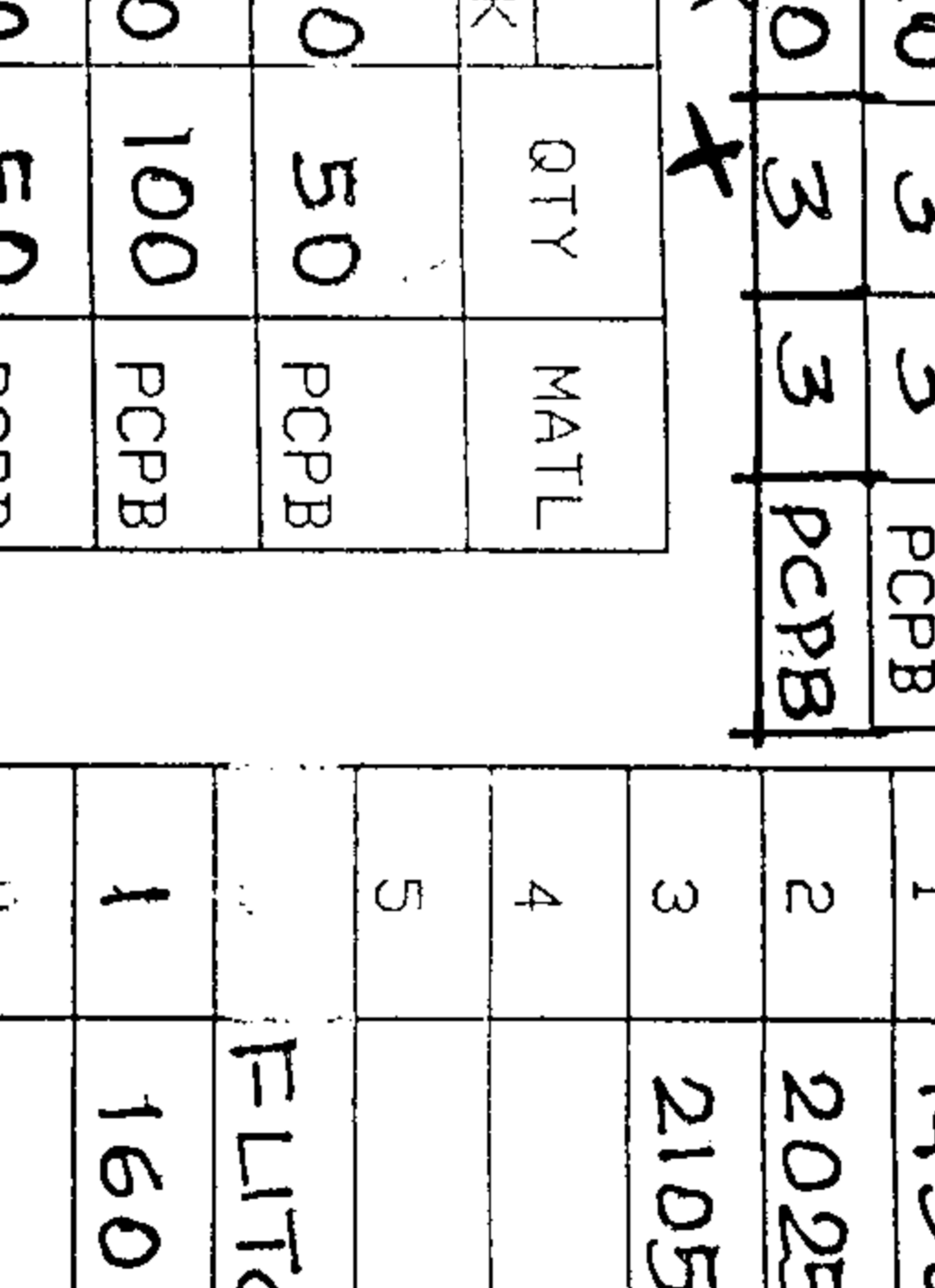
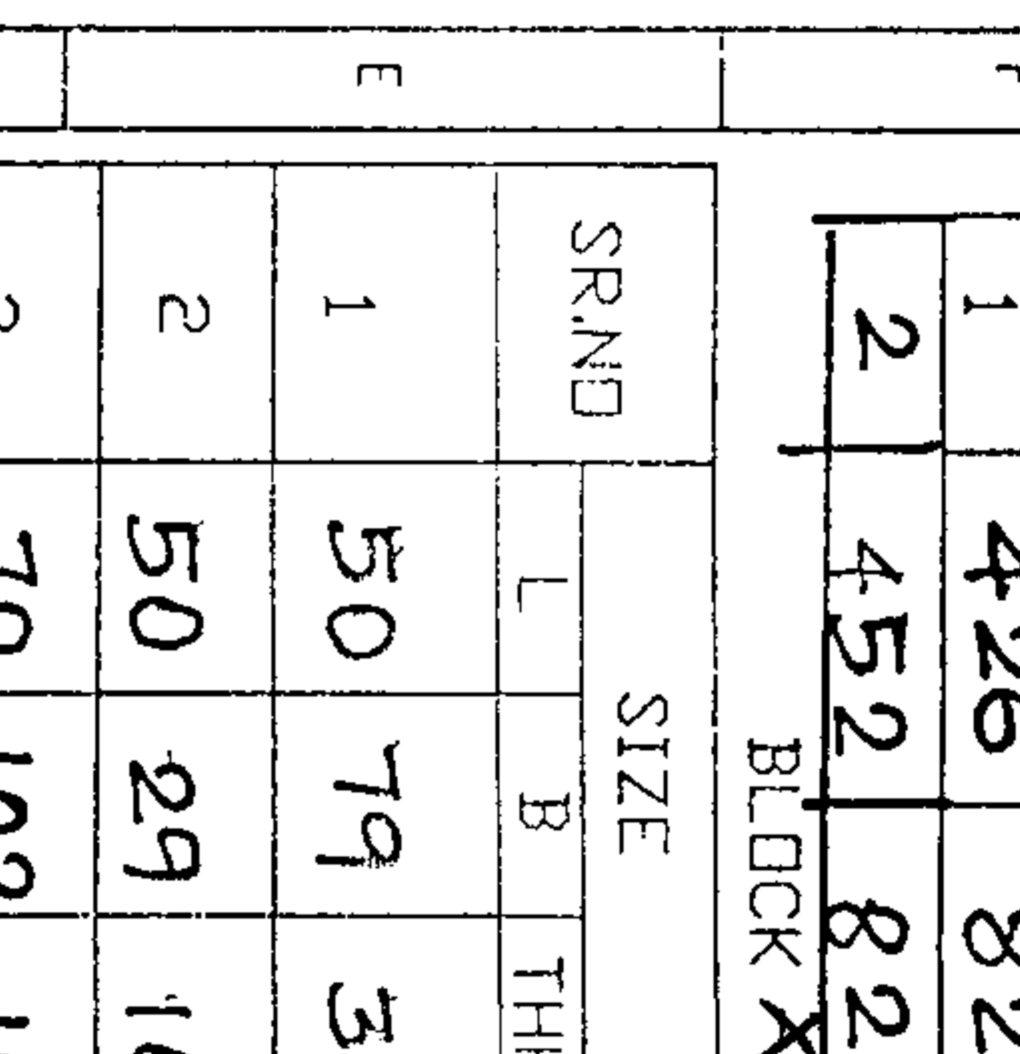
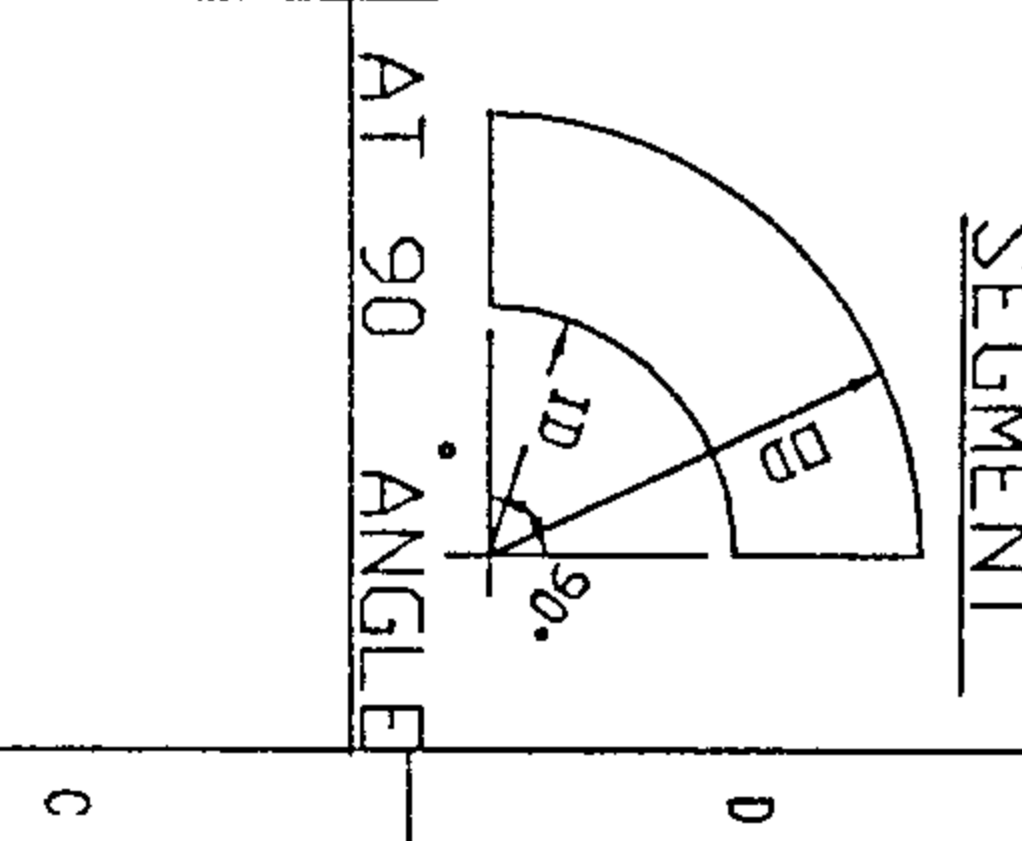
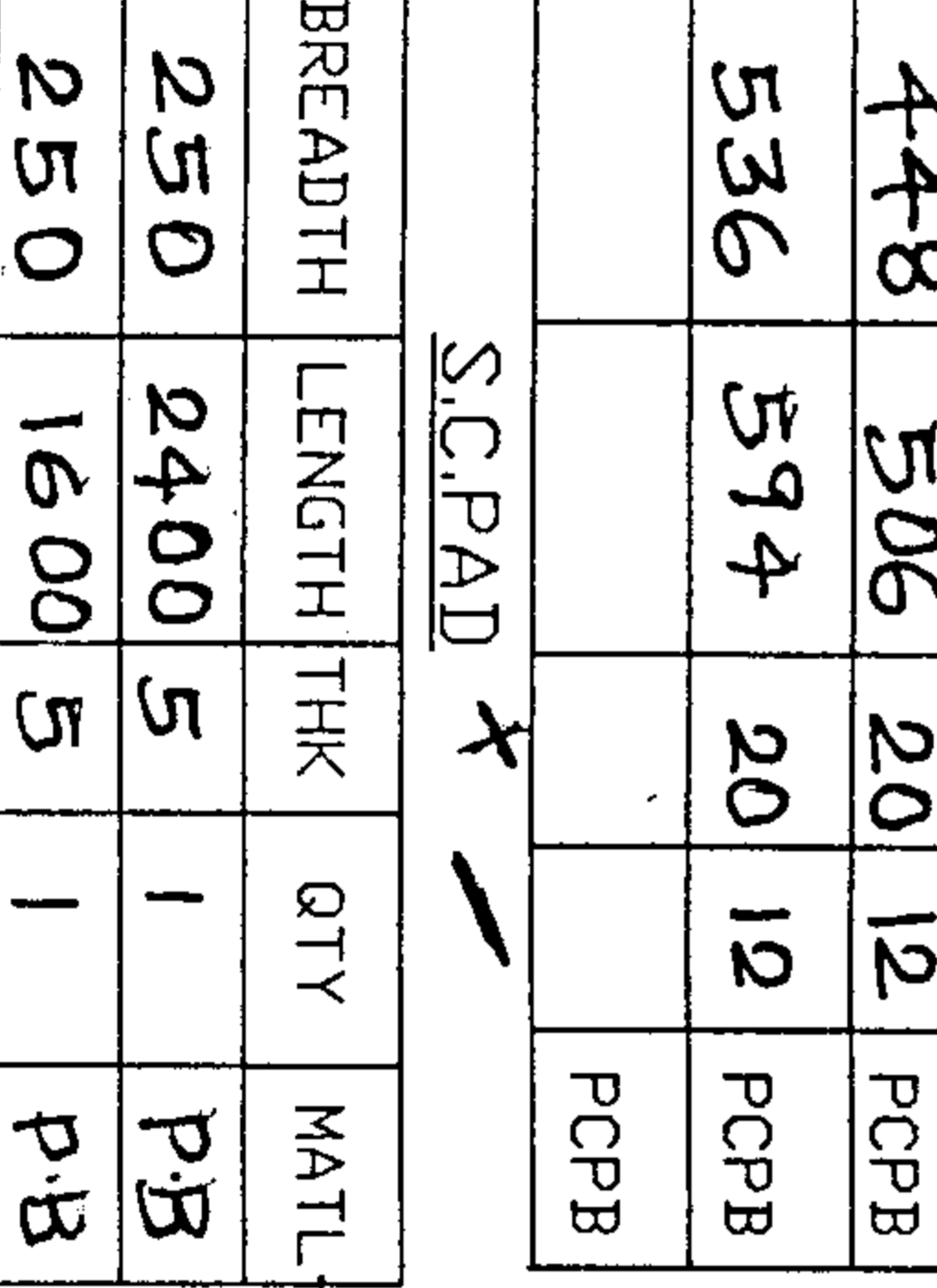
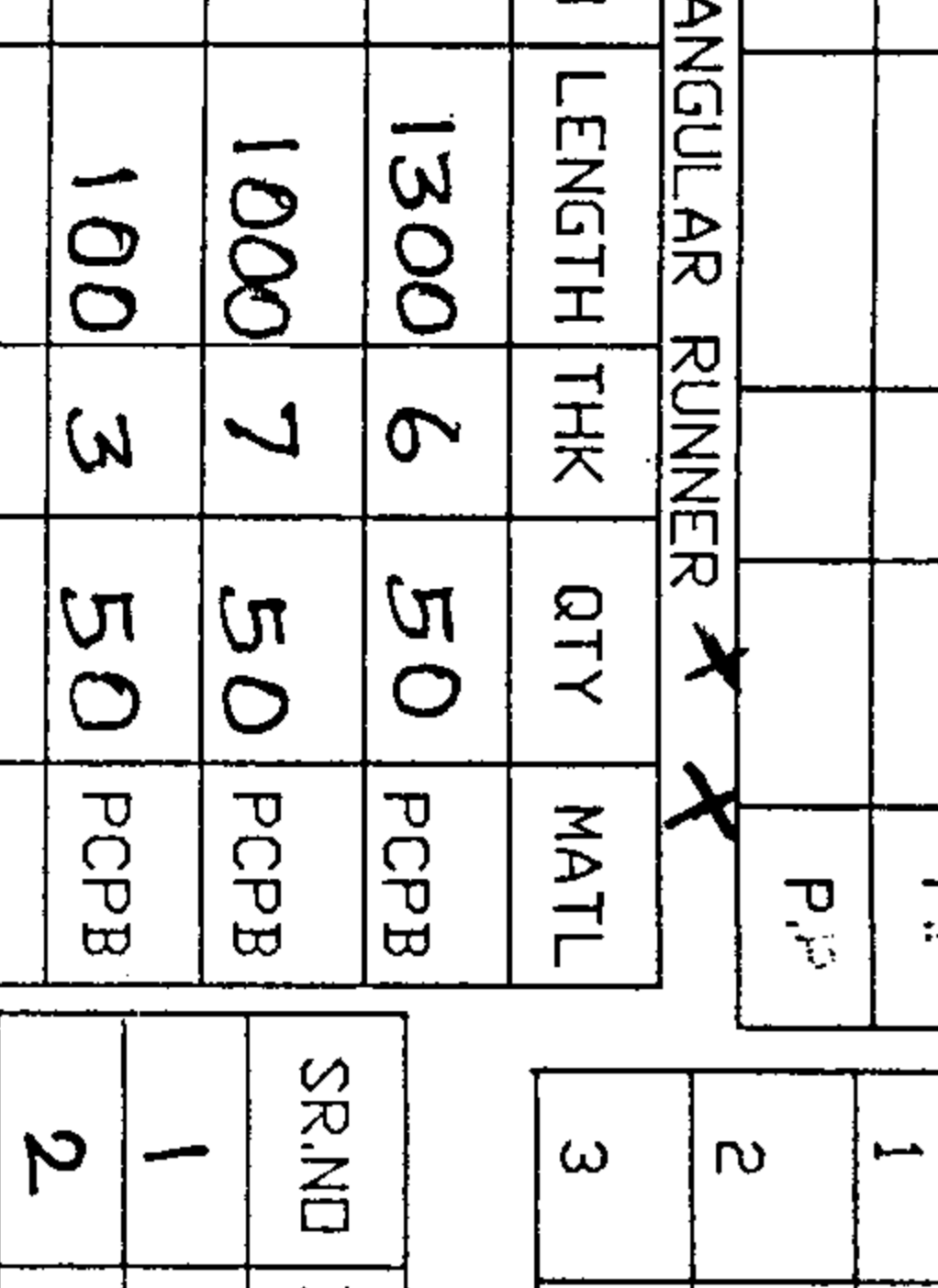
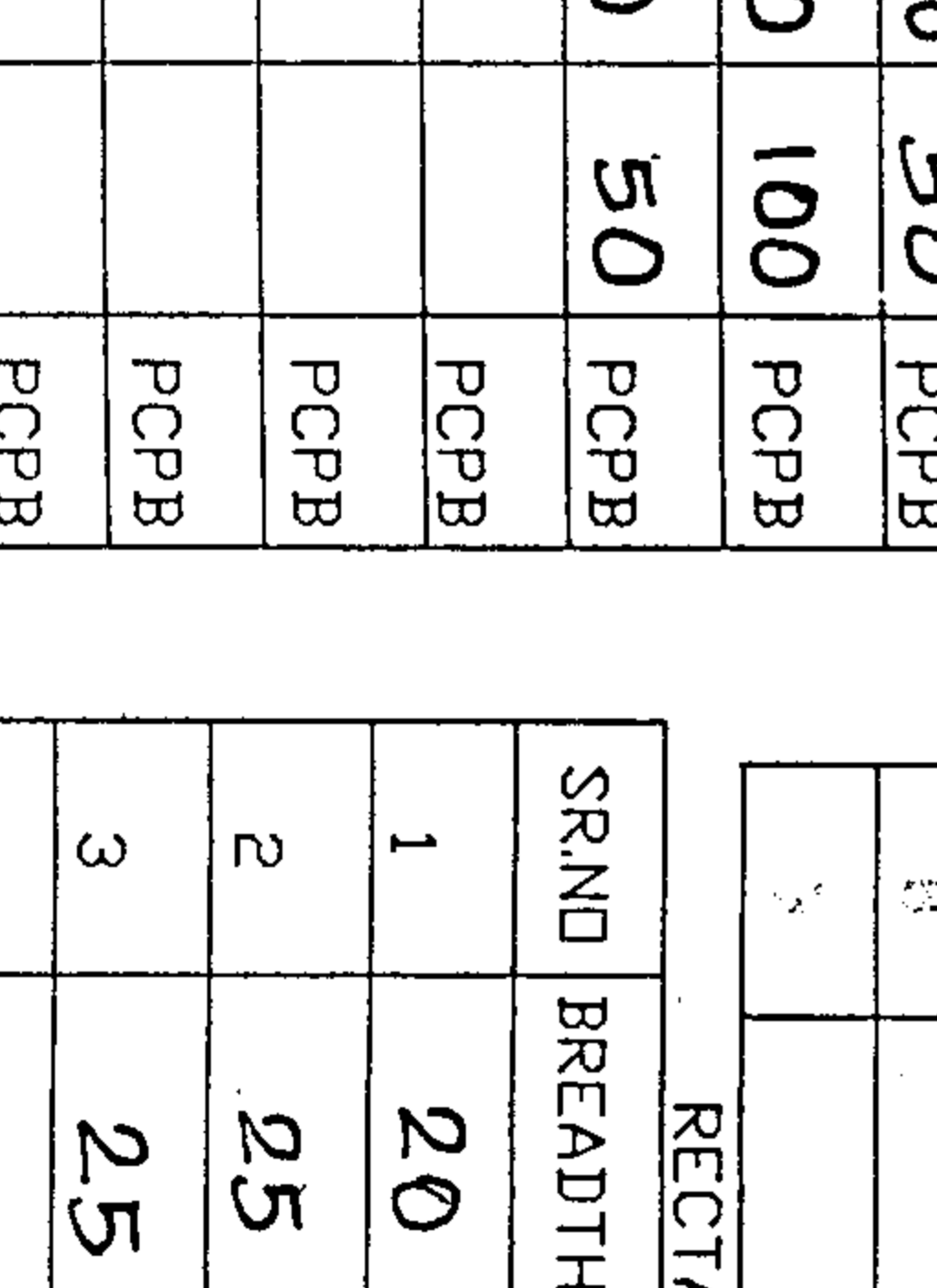
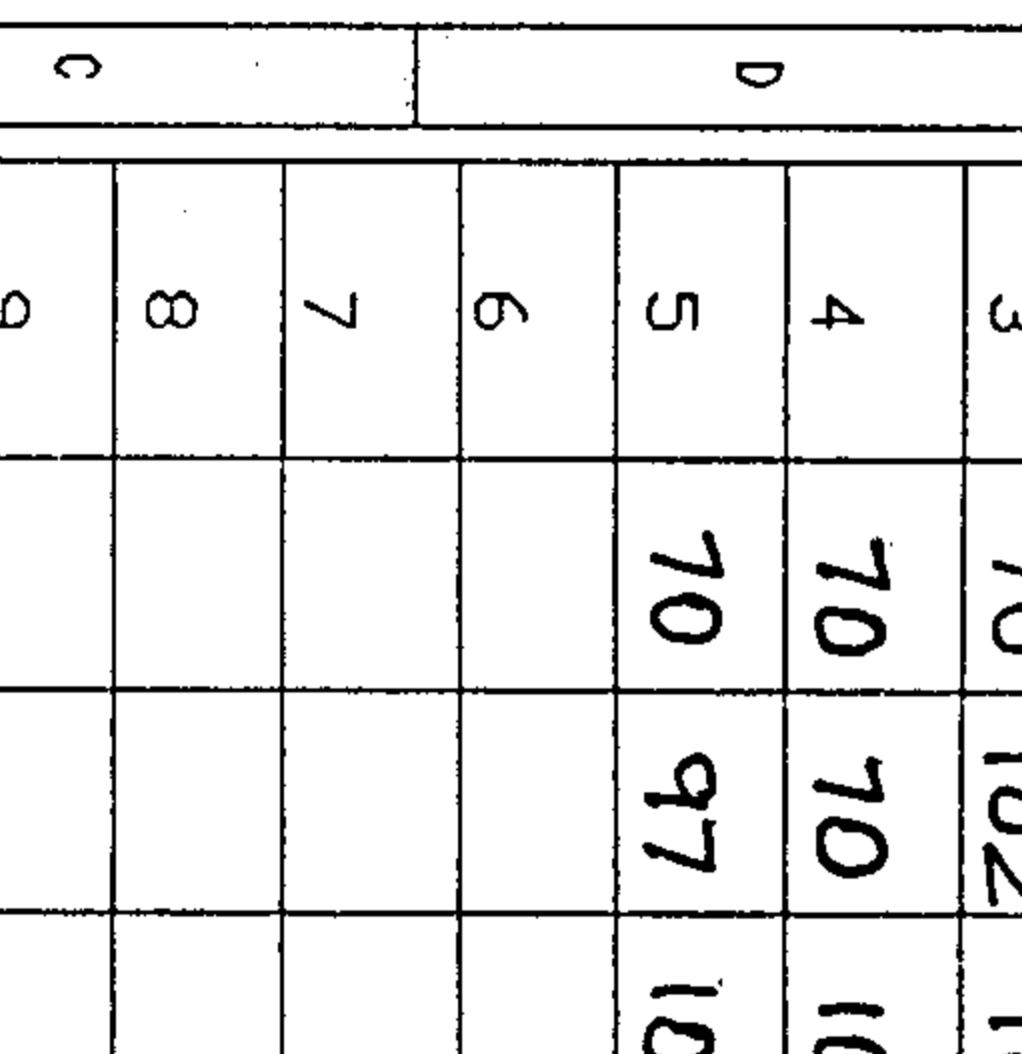
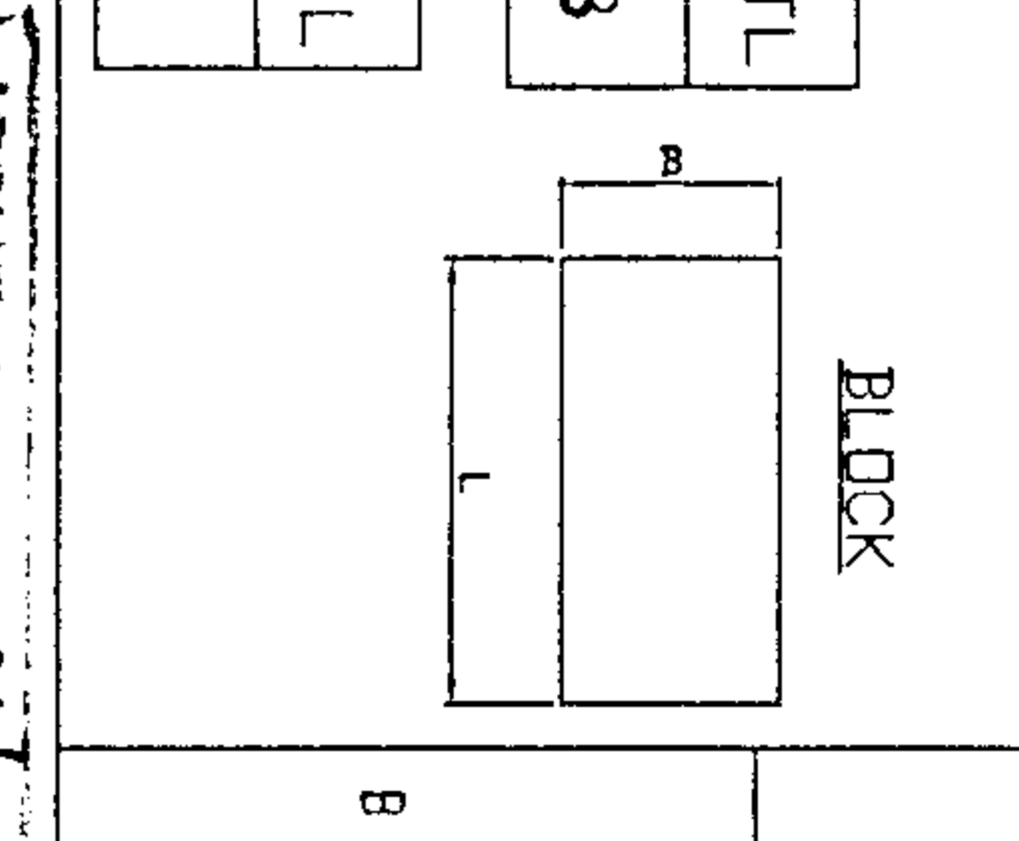
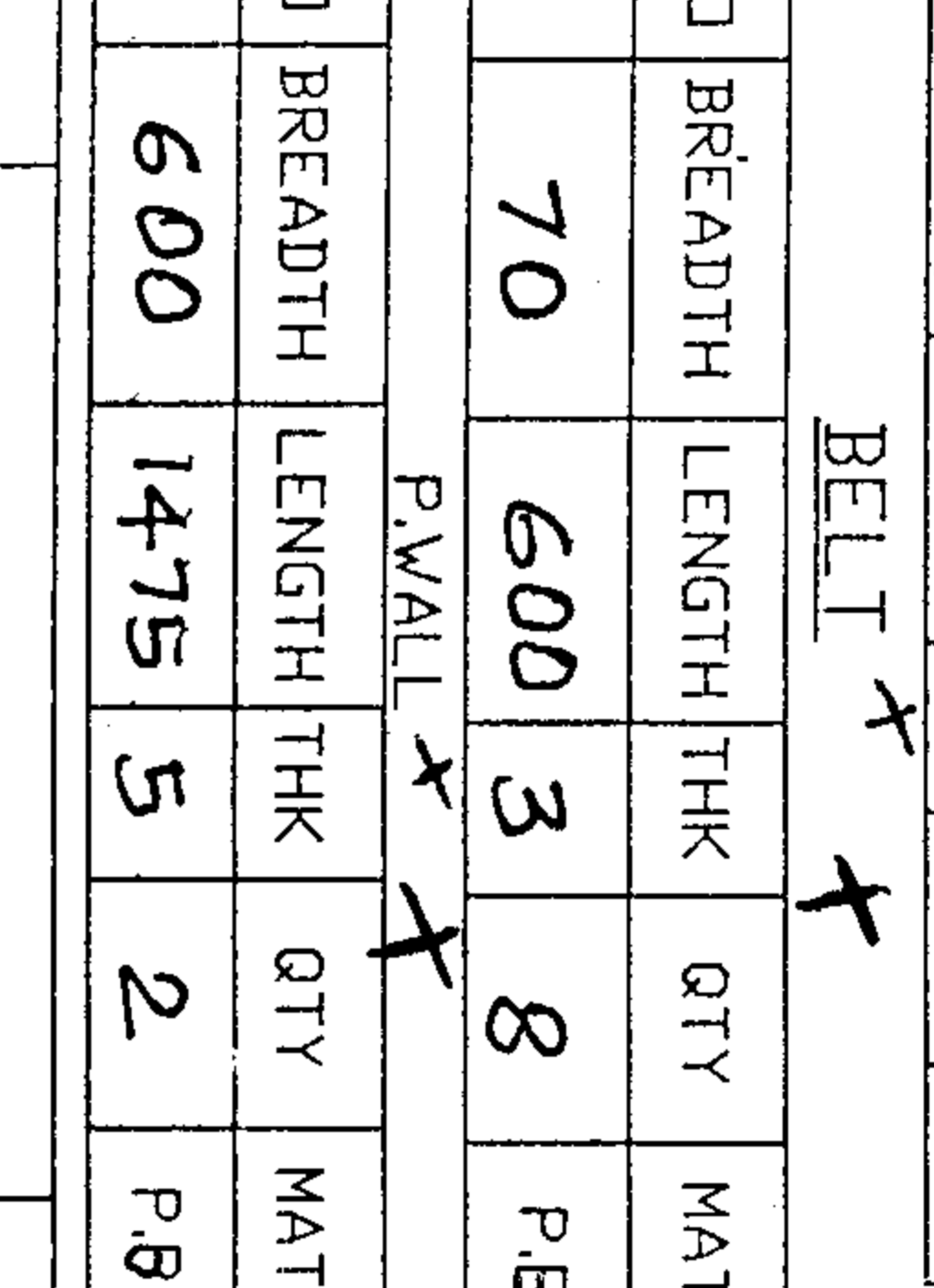
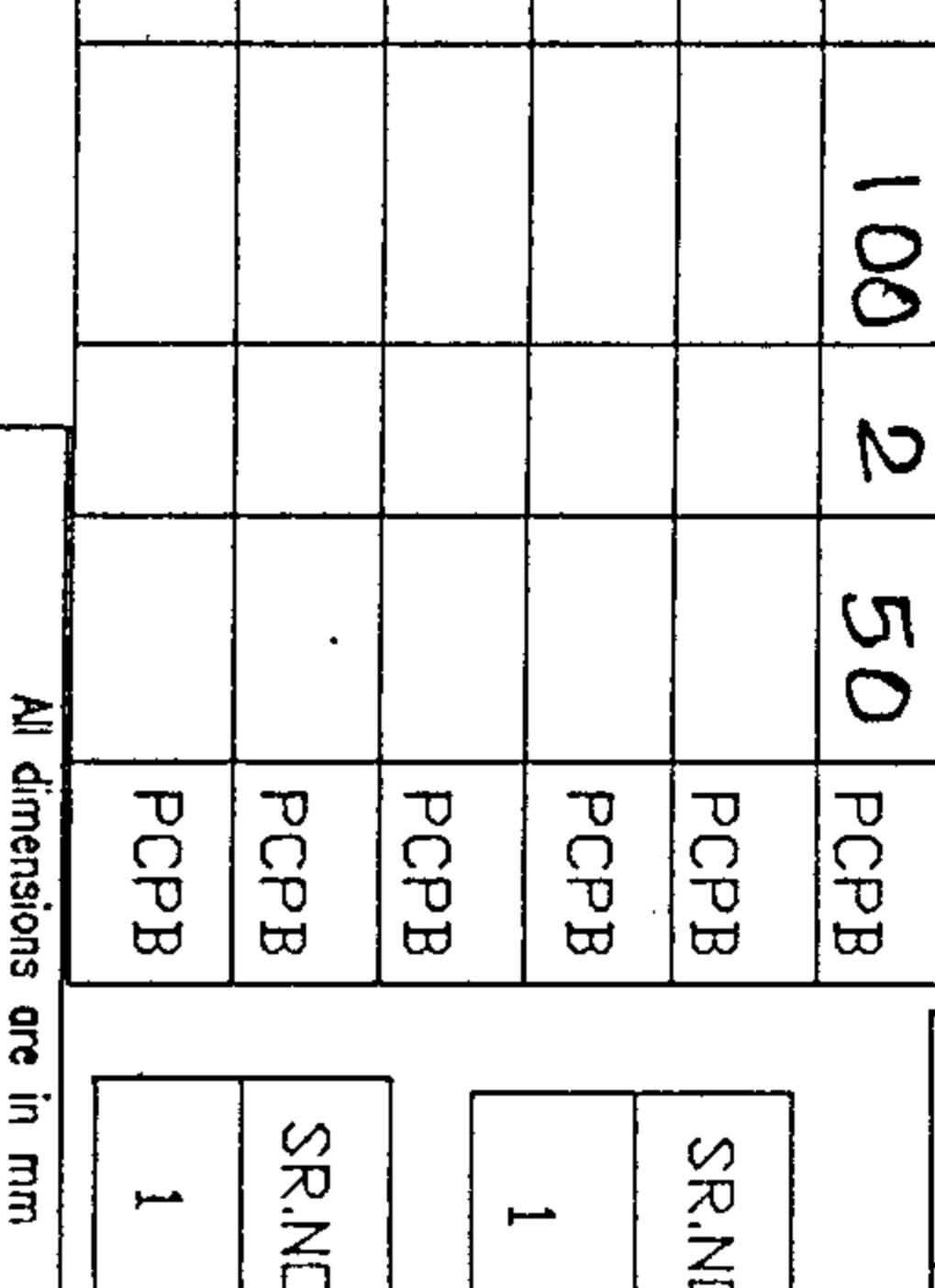
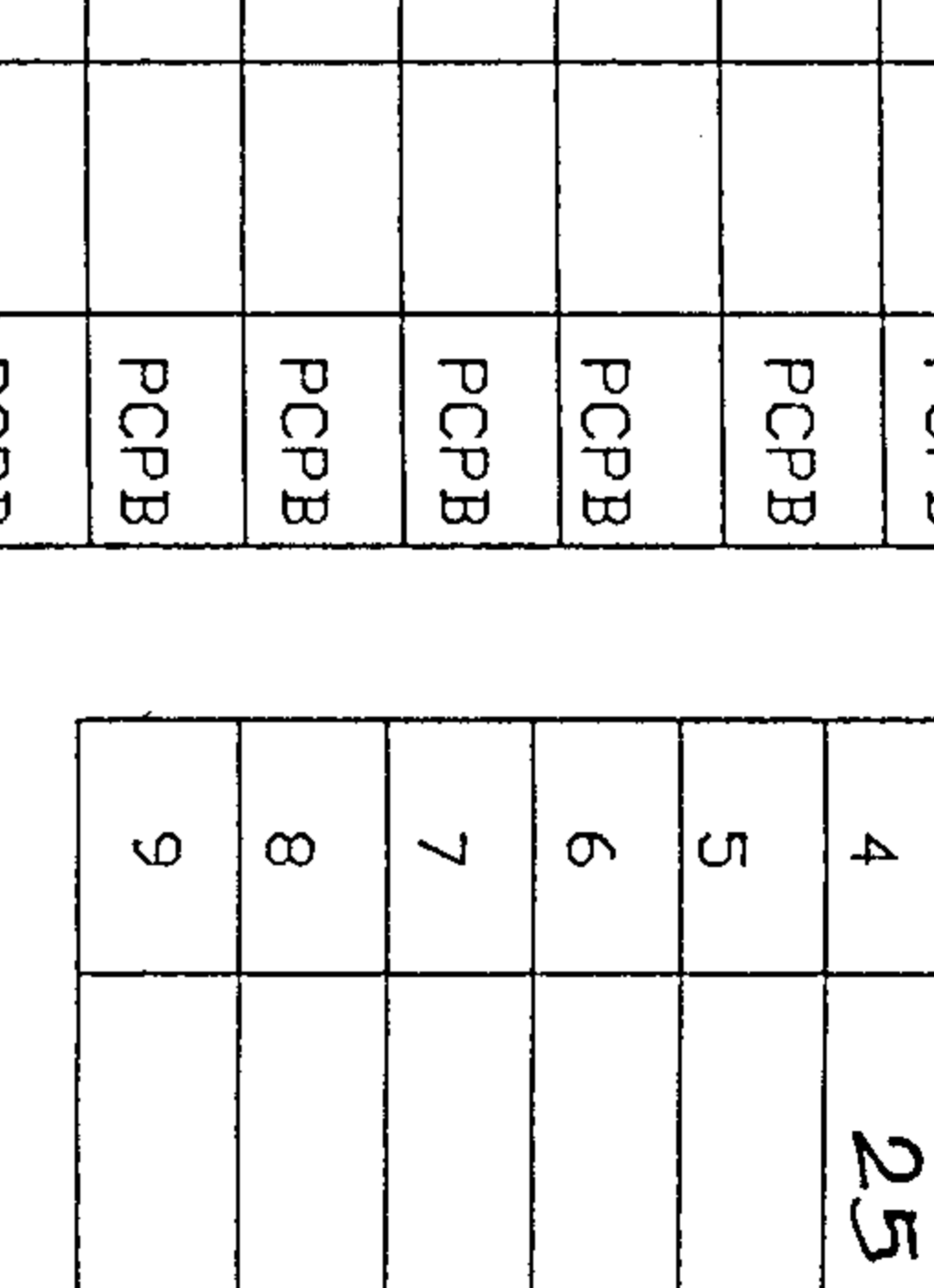
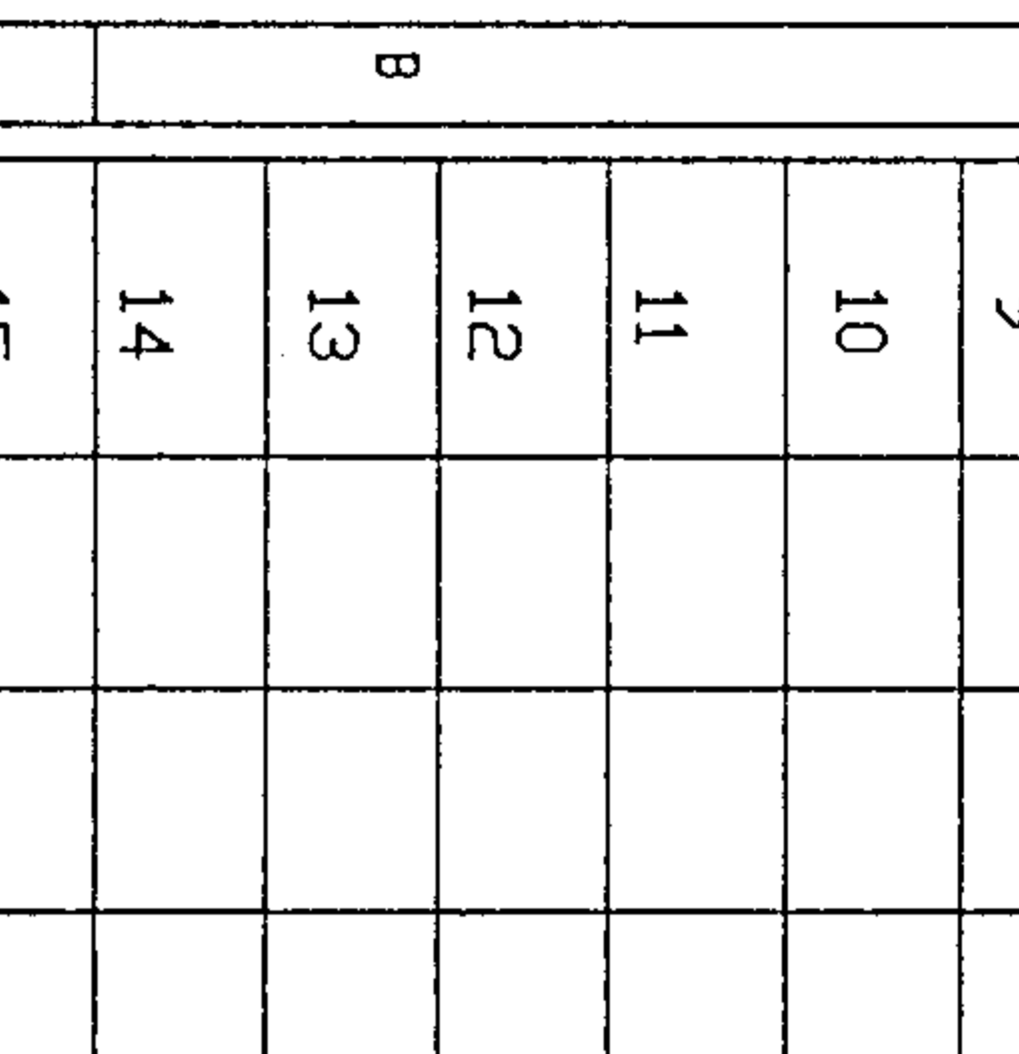
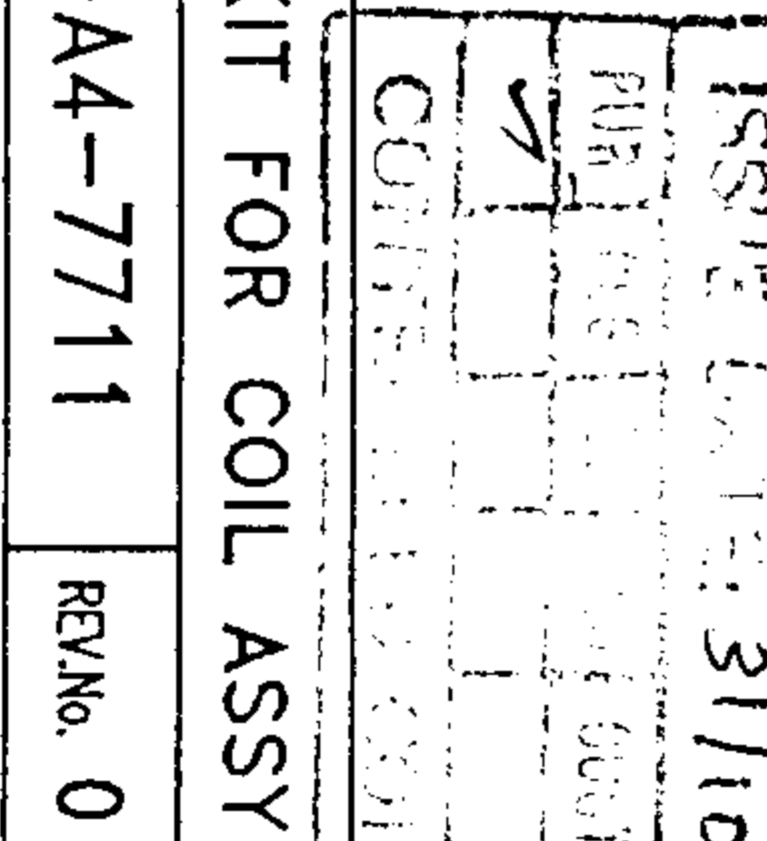
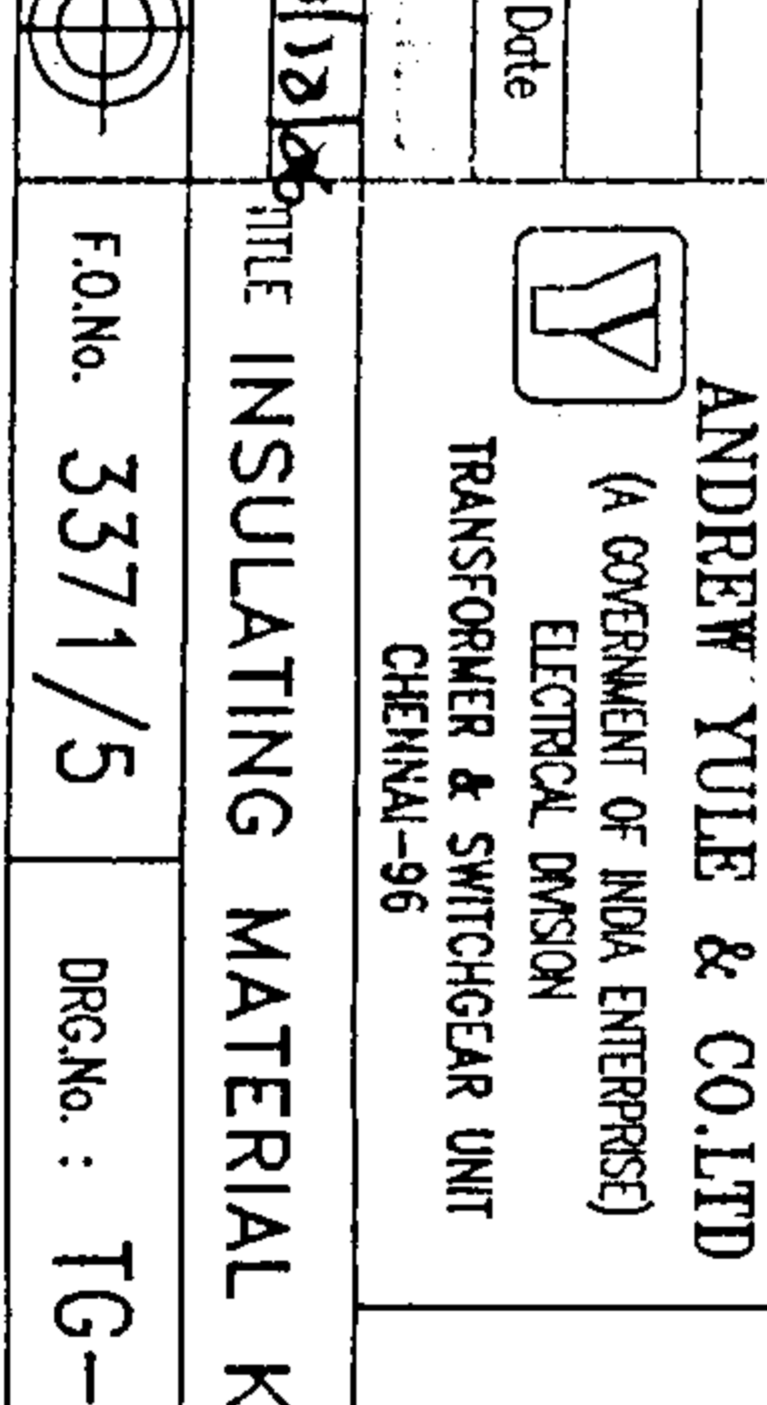
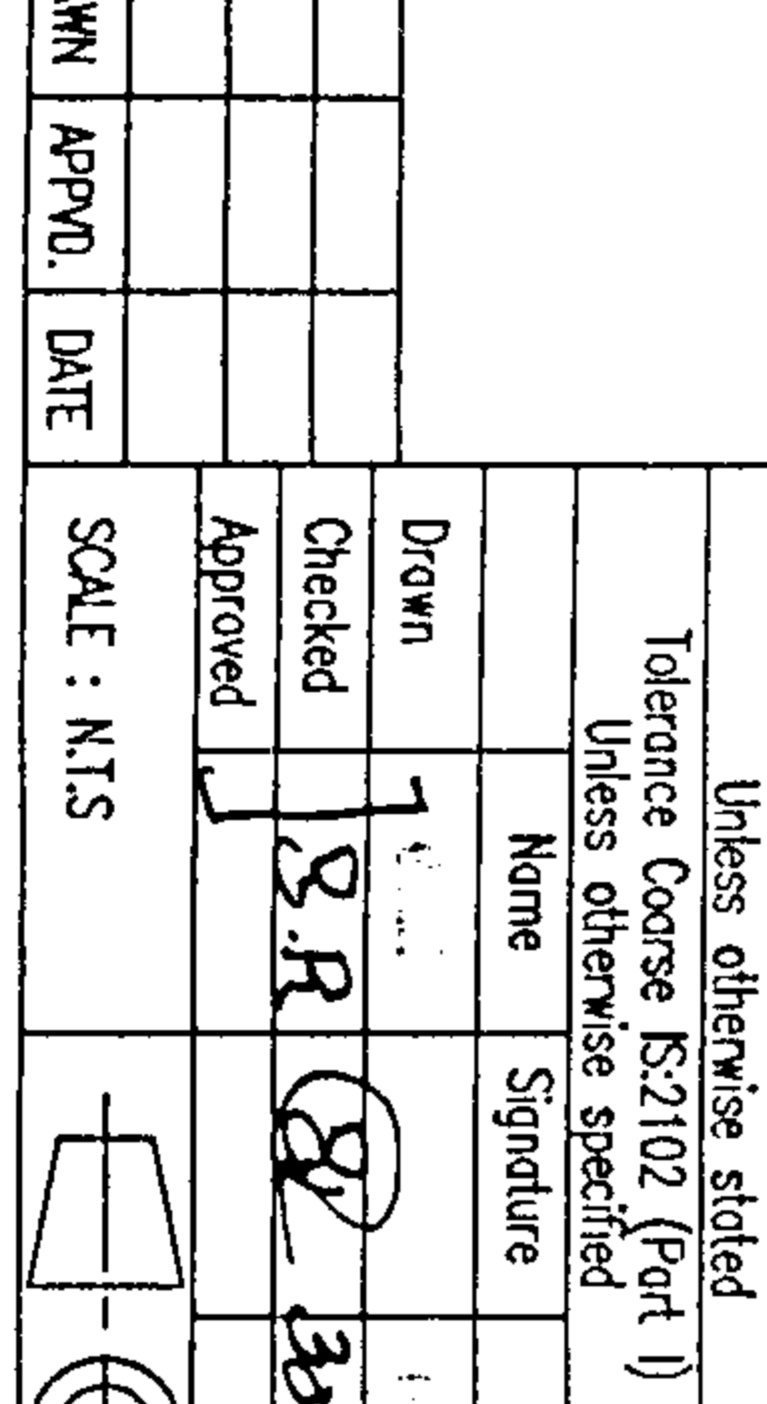
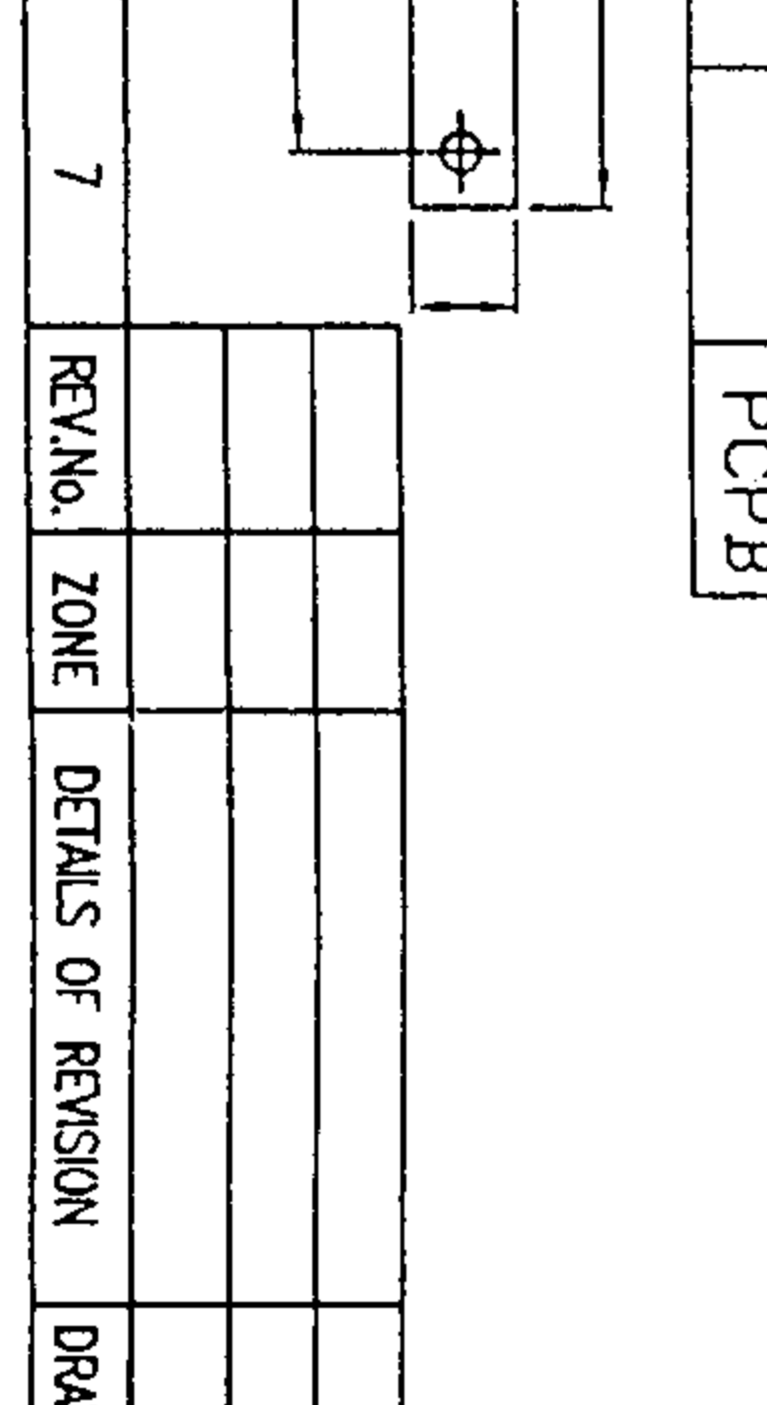
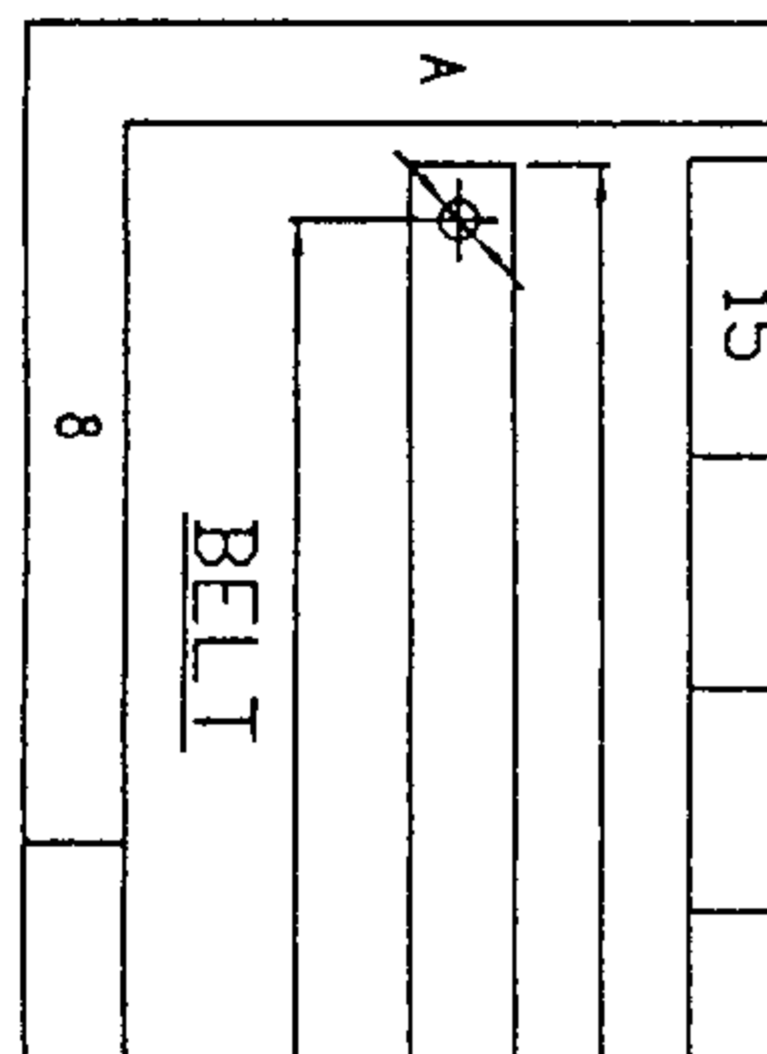
RECT. RUNNER

CYLINDER

HT TAPPING

HT(MAIN)

8										7										5										4										3										2										1									
WASHER X										CYLINDER X										COMMON BLOCK X										COMMON BLOCK X										COMMON BLOCK X										COMMON BLOCK X																			
S.no	I.D	O.D	THK	QTY	MATL	SR.NO	LENGTH	BREADTH	THK	QTY	MATL	SR.NO	LENGTH	BREADTH	THK	QTY	MATL	SR.NO	LENGTH	BREADTH	THK	QTY	MATL	SR.NO	LENGTH	BREADTH	THK	QTY	MATL	SR.NO	LENGTH	BREADTH	THK	QTY	MATL																																		
1	426	820	3	3	PCPB	1	1430	1400	1.5	6	P.B	1	50	70	200	15	50	PCPB	1	250	2400	5	1	P.B	1	50	70	190	20	50	PCPB	1	250	2400	5	1	P.B																																
2	452	820	3	3	PCPB	2	2025	1300	1.5	9	P.B	2	50	70	190	20	50	PCPB	2	250	1600	5	1	P.B	2	50	70	190	20	50	PCPB	2	250	1600	5	1	P.B																																
BLOCK X										RECTANGULAR RUNNER X										FLITCH PLATE INSULATION X										COMMON BLOCK X										COMMON BLOCK X																													
1	50	79	30	50	PCPB	1	160	1400	2	6	P.B	1	20	1300	6	50	PCPB	1	250	2400	5	1	P.B	1	50	70	190	20	50	PCPB	1	250	1600	5	1	P.B																																	
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All dimensions are in mm  
Unless otherwise stated  
Tolerance Coarse JS:2102 (Part I)  
Unless otherwise specified

Drawn: [Signature]  
Checked: [Signature]  
Approved: [Signature]

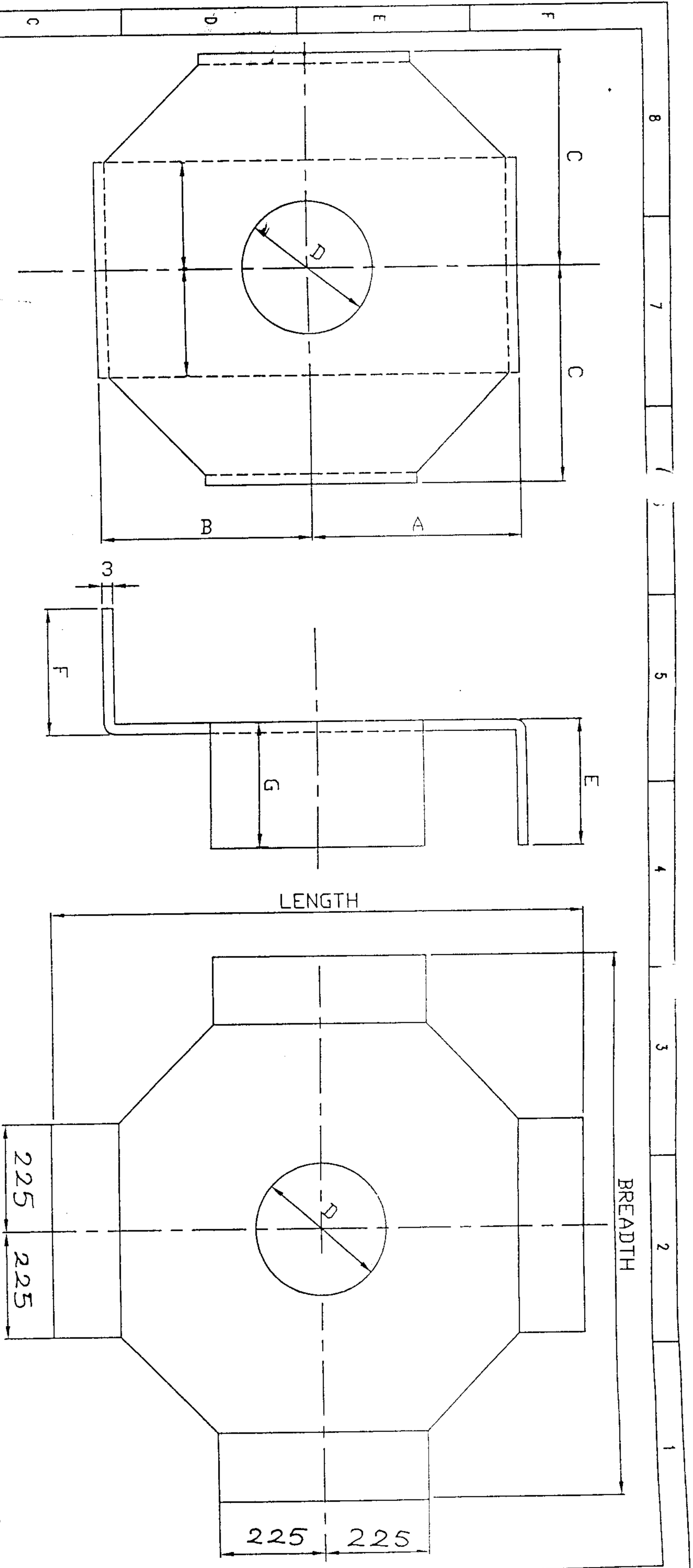
SCALE: N.T.S

ANDREW YULE & CO.LTD  
(A GOVERNMENT OF INDIA ENTERPRISE)  
ELECTRICAL DIVISION  
TRANSFORMER & SWITCHGEAR UNIT  
CHENNAI-96

ISSUE DATE: 31/10/04

REV. No. 0

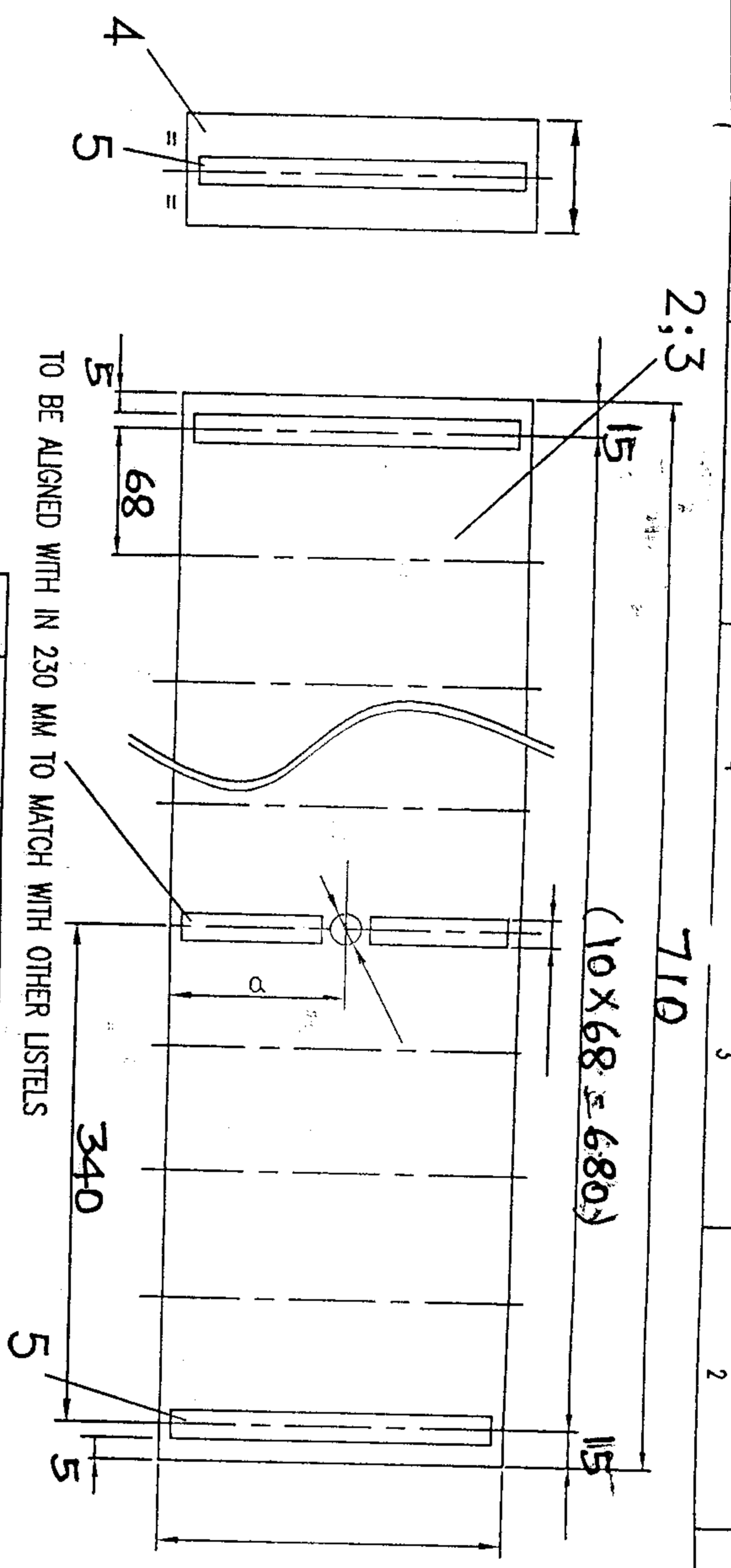
REV. No. 0



PART NO	DIMENSIONS IN MM							TO BE MADE FROM THESE SHEET SIZES	QTY PER UNIT	
	A	B	C	D	E	F	G			
1)	410	410	410	636	110	150	110	1080	1040	3

NOTE:  
 IF JOINTS ARE REQUIRED ALONG THE LENGTH OR BREADTH OF WASHER, THEN MAKE WASHER OUT OF TWO THICKNESS 15MM EACH AND STAGGER THE JOINTS AS SHOWN BY DOTTED LINE  
 MAT: T-III PRE COMPRESSED BOARD  
 ALL DIMENSIONS IN MM

All dimensions are in mm Unless otherwise stated		Tolerance Coarse IS:2102 (Part I) Unless otherwise specified	
Drawn	J.S.R.	Signature	Date
Checked			
Approved			
SCALE : N.T.S		TITLE	
F.O.No. 3371/5		ANGLE WASHER	
DRG.No. : TG-A4-7712		ANDREW YULE & CO.LTD. (A GOVERNMENT OF INDIA ENTERPRISE) ELECTRICAL DIVISION TRANSFORMER & SWITCHGEAR UNIT CHENNAI - 96	
REV.No. 8	7	REV.No. 0	31/10/06



QTY	DESCRIPTION	REF.	MAT	PT	REMARKS
4	INSULATION (C sheet) L= 2010		P.P	15	b= 340
2	INSULATION (B sheet) L= 1845		P.P	14	b= 340
4	INSULATION (A sheet) L= 2185		P.P	10	b= 340
2	INSULATION (C sheet) L= 2070		P.P	9	b= 400
1	INSULATION (B sheet) L= 1845		P.P	8	b= 400
2	INSULATION (CORE) (A sheet) L= 2245		P.P	7	b= 400
3	INSULATION (FOOT IRON) 210 x 400		P.P	6	
96	LISTEL 20 x 230		PCPB	5	
8	INSULATION (FOR YOKE) 50 x 250		P.P	4	
4	INSULATION (FOR YOKE) 250 x 710		P.P	3	d = 125 (Bottom)
4	INSULATION (FOR YOKE) 250 x 710		P.P	2	d = 125 (TOP)
6	INSULATION (FLITCH PLATE) 160 x 2100		P.P	1	

NOTE:-1) PART NO:5 LISTEL TO BE PASTED WITH PART NO :2,3&4 INSULATIONS AS SHOWN IN FIGURE  
 2) HOLES ARE NOT TO BE DRILLED

REV.No.	ZONE	DETAILS OF REVISION	DRAWN	APPVD	DATE

Scale : N.T.S.

Drawn: J.R.K. 30/10/06  
 Checked: J.R. 30/10/06  
 Approved: J.R. 30/10/06

ANDREW YULE & CO. LTD.  
 (A GOVERNMENT OF INDIA ENTERPRISE)  
 ELECTRICAL DIVISION  
 TRANSFORMER & SWITCHGEAR UNIT  
 CHENNAI - 96

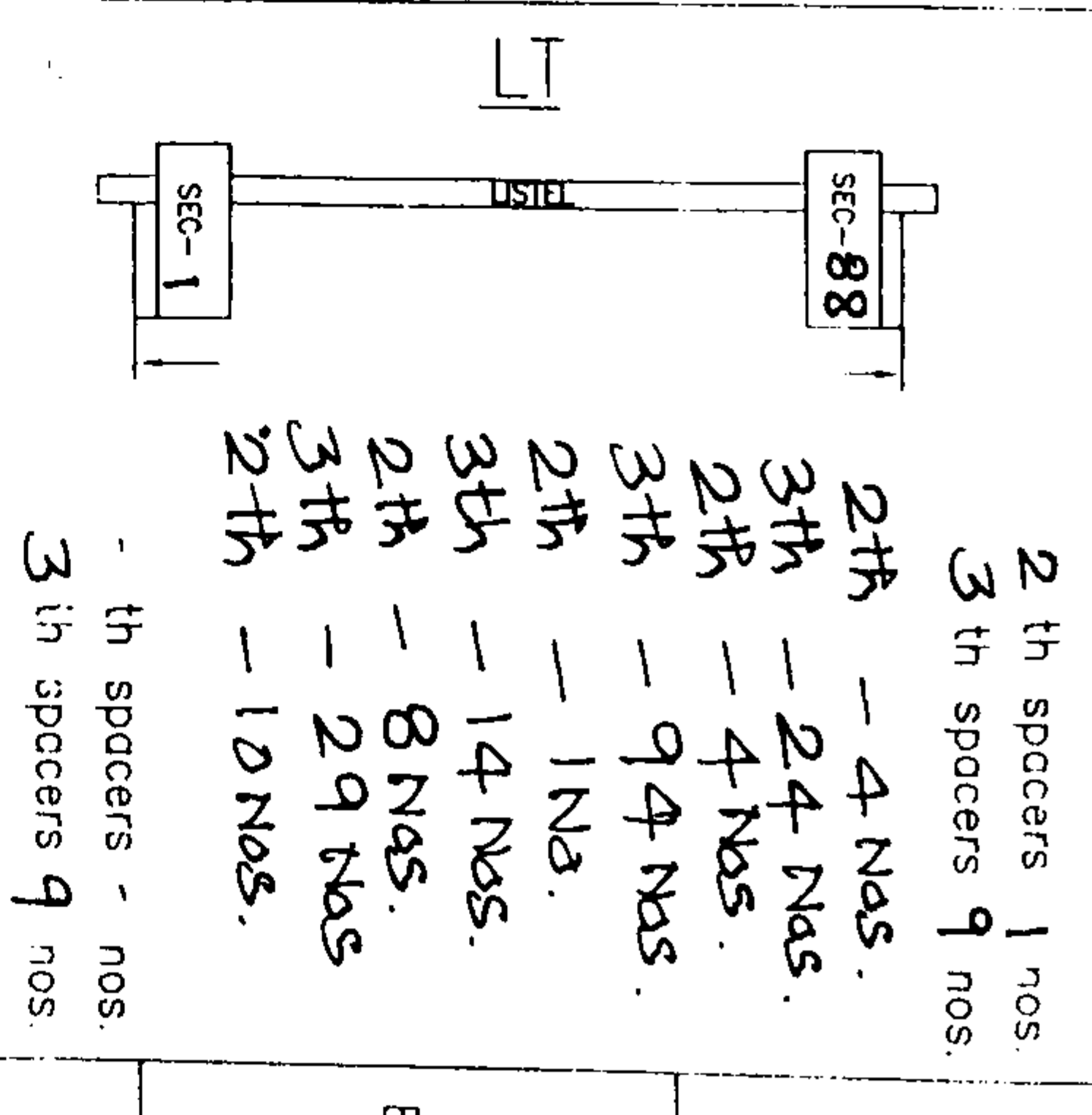
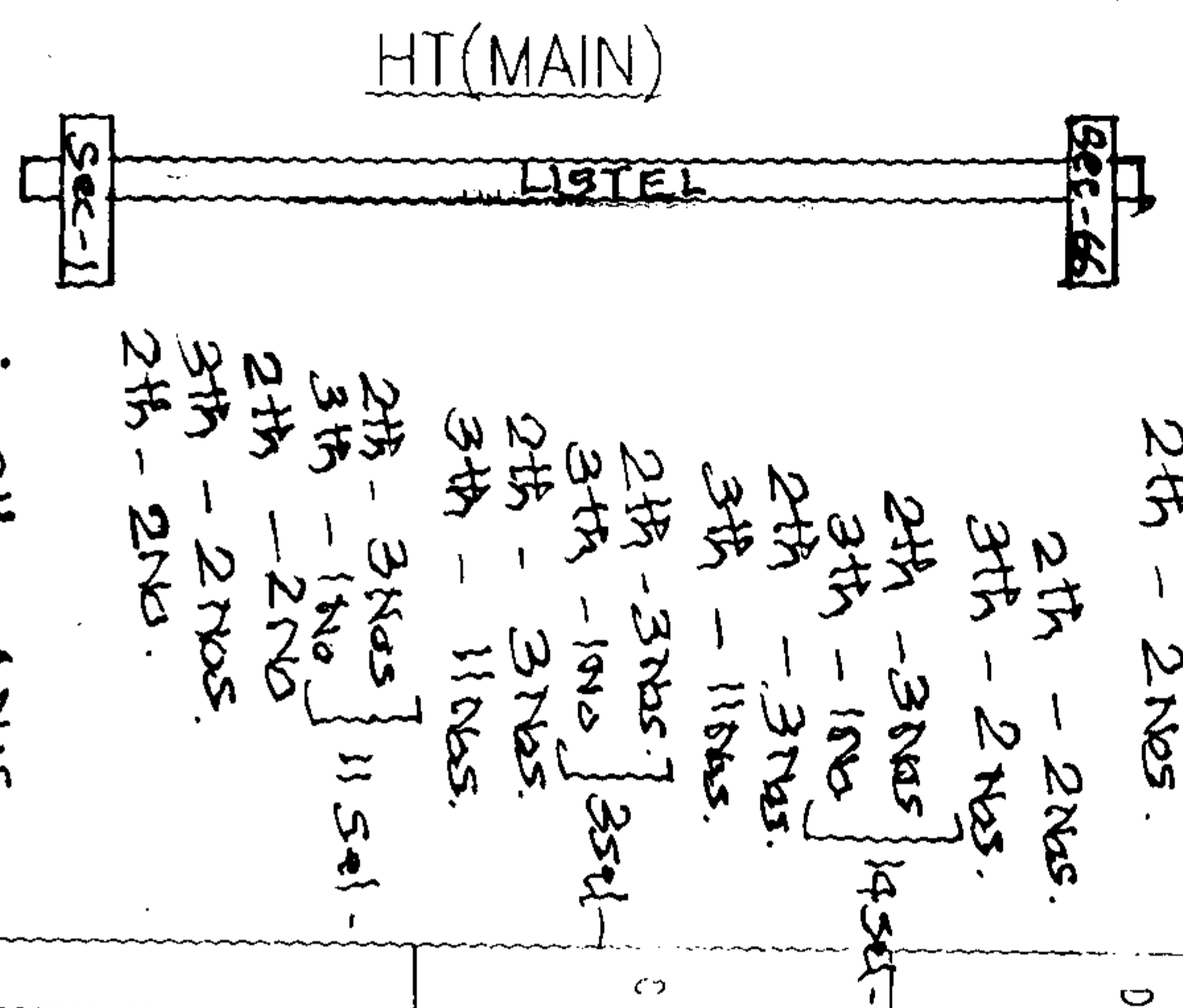
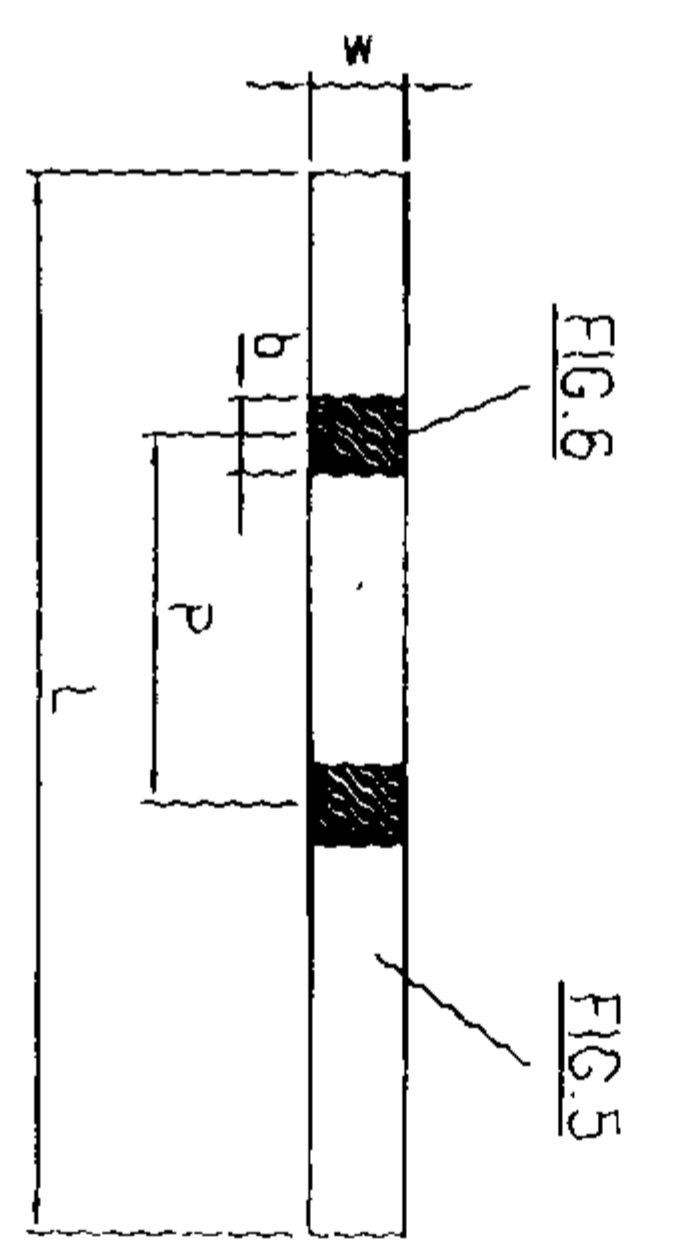
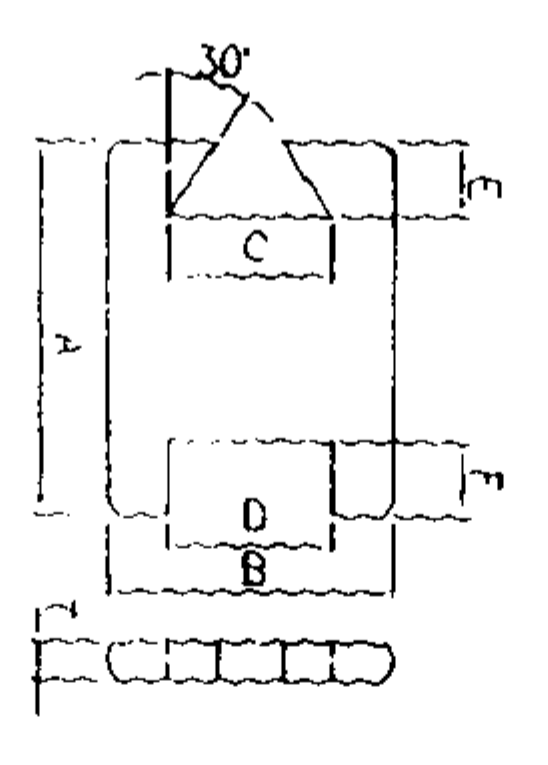
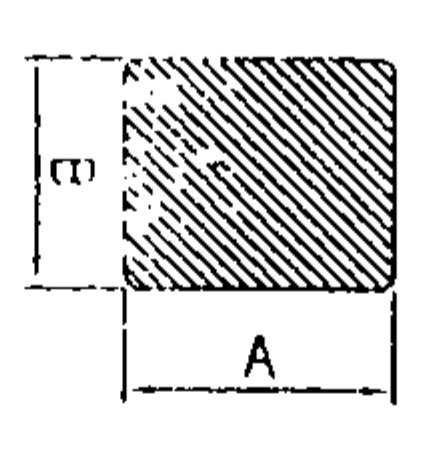
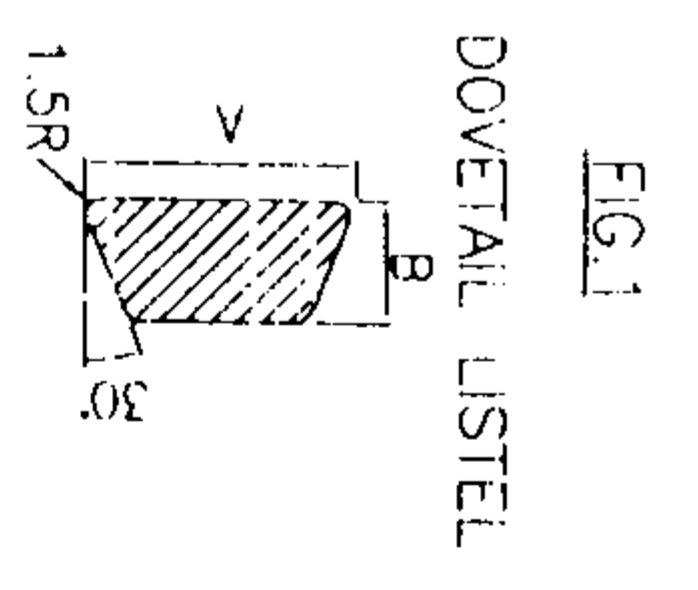
TITLE: CORE INSULATION

F.O.No. 3371/5      DRC.No. : TG-A4-7715      REV.No. 0

ISSUE DATE: 31/10/06  
 CONTROLLED COPY

WDG	DOVETAIL LISTEL (MATERIAL: PCPB)			SPACER (MATERIAL: PCPB)						RECT. RUNNER (MATERIAL: PCPB)			CYLINDER (MATERIAL: PCPB)			
	A	B	L	A	B	C	D	E	F	A	B	L	L	B	THK	QTY
LT	25	8	1650	48	78	50	26	26	6	6						
				FIG.1	QTY. 2 THK: 1344 3 THK: 8592				FIG.2				FIG.3			
HT (MAIN)	25	8	1650	48	95	60	26	26	6	6						
				FIG.1	QTY. 2 THK: 4896 3 THK: 2736				FIG.2				FIG.3			
HT (TAP)				FIG.1	QTY. 2 THK: 3 THK:				FIG.2				FIG.3			

WDG	PACKING STRIP (FIG 5) (MATERIAL: 4.3 GRADE)				DISTANCE PIECE (FIG 6) (MATERIAL: 4.3 GRADE)			
	W	L	THK	QTY	W	D	THK	QTY
LT	9.6	2080	1.0	160	9.6	40	2.7	1050
HT (MAIN)	15.3	2890	1.0	220	15.3	40	3.2	300
HT (TAP)	13.9	2890	1.0	100	13.9	40	3.4	100



NOTE:  
 [1] BALANCE SPACER & BASE STRIP AFTER ASSEMBLY SHOULD BE SENT SEPERATELY  
 [1] 2% EXTRA SPACER IN ALL SIZES ARE TO BE SENT SEPERATELY.  
 [1] DUCT ASSEMBLY SHOULD BE SENT AS EXTRA

All dimensions are in mm  
 Unless otherwise stated  
 Tolerance Coarse (S:2102 Part 1)  
 Unless otherwise specified

Drawn	J.R.	7/1/88
Checked		
Approved		

SCALE: N.T.S.

ANDREW YULE & CO. LTD  
 (A GOVERNMENT OF INDIA ENTERPRISE)  
 ELECTRICAL DIVISION  
 TRANSFORMER & SWITCH-GEAR UNIT  
 MADRAS

TITLE: INSULATION KIT (WINDING)

ISSUE DATE: 08.01.88

PUR	PLG	QC	PRO	CUSTOMER

CONTROLLED COPY

F.O.No: 3391  
 DRG.No: TG-A4-7939  
 REV.No: 0

8

8 7 5 4 3 2 1

WASHER

SR.NO	ID	OD	THK	QTY	MATL
1	545	1015	3	3	PCPB
2	600	1015	3	3	PCPB
3	600	1015	5	3	PCPB

SWITCHING CONN/PAD

SR.NO	LENGTH	BREADTH	THK	QTY	MATL
1	2830	250	5	1	PCPB
2	1770	250	5	1	PCPB

BLOCK

CYLINDER

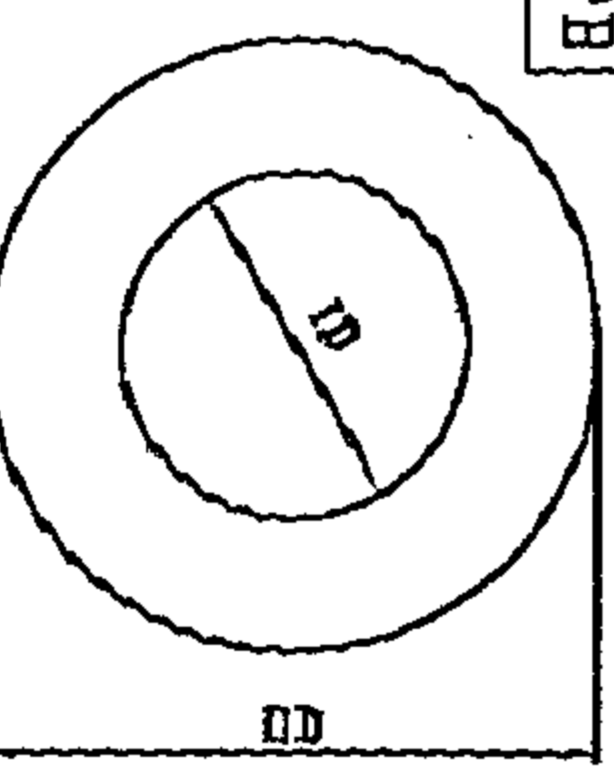
SR.NO	LENGTH	BREADTH	THK	QTY	MATL
1	1900	1655	1.5	9	PCPB
2	2515	1520	1.5	9	PCPB
3	2560	1510	1.5	9	PCPB
4	2640	1450	1.5	9	PCPB
5					PCPB
6					PCPB
7					PCPB

CYLINDER

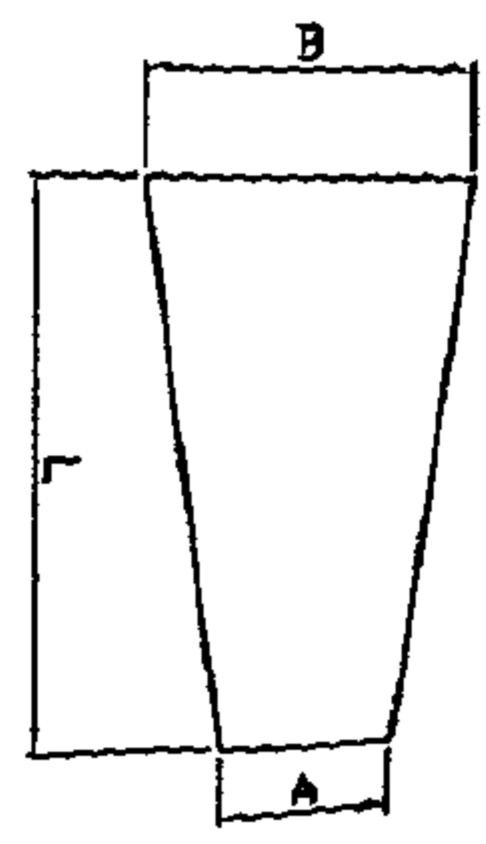
COMMON BLOCK

SR.NO	SIZE			QTY	MATL	
	A	B	L			
1	60	80	235	25	50	PCPB
2	60	80	210	25	50	PCPB
3						PCPB
4						PCPB

COMMON BLOCK



WASHER



BARRIER

SR.NO	BREADTH	LENGTH	THK	QTY	MATL
1	970	1670	3	4	PCPB
2	970	1440	3	4	PCPB
3	970	1490	3	10	PCPB
4					PCPB

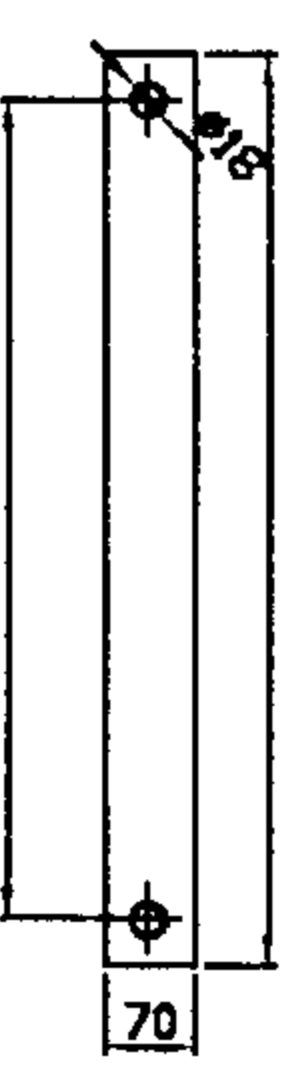
FLITCH PLATE INSULATION

SR.NO	WIDTH	LENGTH	THK	QTY	MATL
1	240	1650	2	6	P.P

BELT

SR.NO	BREADTH	LENGTH	THK	QTY	MATL
1	70	1200	3	36	PCPB

BELT

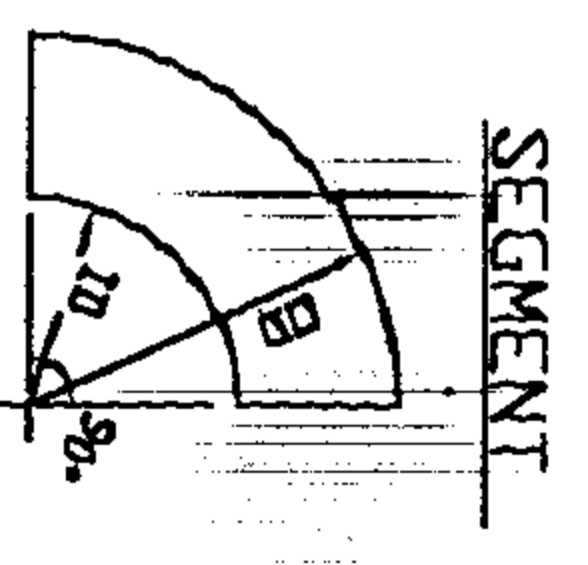


RECTANGULAR RUNNER

SR.NO	BREADTH	LENGTH	THK	QTY	MATL
1	20	1520	18	50	PCPB
2	25	1230	8	50	PCPB
3	25	1160	6	50	PCPB
4	25	140	3	100	PCPB
5	25	140	2	100	PCPB
6					PCPB
7					PCPB

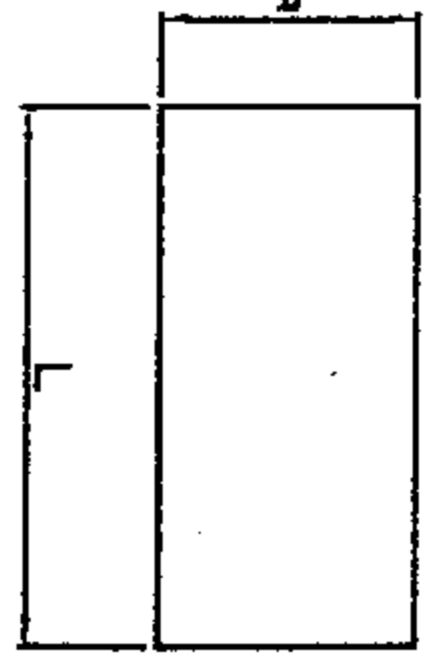
P.WALL

SR.NO	BREADTH	LENGTH	THK	QTY	MATL
					PCPB



AT 90° ANGLE

BLOCK



SR.NO	SIZE			QTY	MATL
	L	B	THK		
1	60	72	50	50	PCPB
2	60	62	50	50	PCPB
3	60	62	10	50	PCPB
4	70	74	15	50	PCPB
5	70	74	10	50	PCPB
6	70	115	10	100	PCPB
7	70	102	10	200	PCPB
8					PCPB
9					PCPB
10					PCPB
11					PCPB
12					PCPB
13					PCPB

NOTE: \* MARKED CYLINDERS ARE PB FOR UNIT 2 TO 7

REV. NO.	ZONE	DETAILS OF REVISION	DRAWN	APPD.	DATE
1	A-18	NOTE ADDED	SR	SR	16.2.2008

All dimensions are in mm Unless otherwise stated

Tolerance Coarse (S:2102 (Part 1) Unless otherwise specified

Checked: SR  
Approved: SR  
Date: 16.2.2008

Drawn: SR  
Signature: SR  
Date: 4.11.08

ANDREW YULE & CO. LTD  
(A GOVERNMENT OF INDIA ENTERPRISE)  
ELECTRICAL DIVISION  
TRANSFORMER & SWITCHGEAR UNIT  
CHENNAI-96

ISSUE DATE: 6.2.08

PUR PUG OC PRO CUST

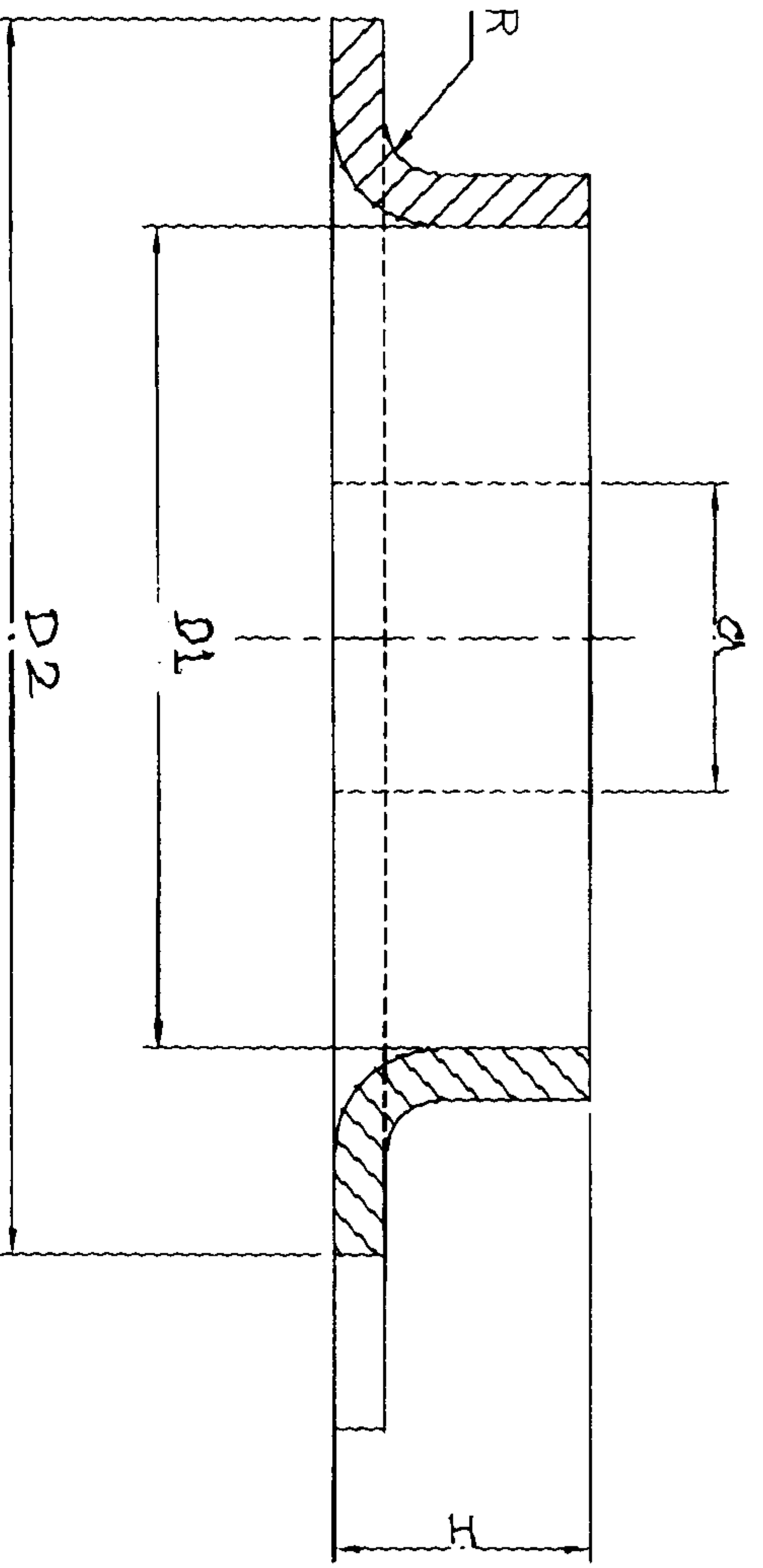
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SCALE: N.T.S

F.O.No. 3391

DRG.No.: TG-A4 - 7940

REV.No. 2



S.No.	d	D1	D2	S	H	R	QTY./ TRANS.
1	120	778	1015	3	150	10	6
2	120	804	1015	3	150	15	6

MATERIAL: TRANSFORMER BOARD T III  
 PRE-COMPRESSED BOARD

8	7	6	5	4	3	2	1
A	B	C	D	E	F	B	C

All dimensions are in mm  
 Unless otherwise stated  
 Tolerance Coarse IS:2102 (Part 1)  
 Unless otherwise specified

Drawn	J.S.R.	Signature	Date
Checked	J.S.R.	Signature	Date
Approved	J.S.R.	Signature	Date

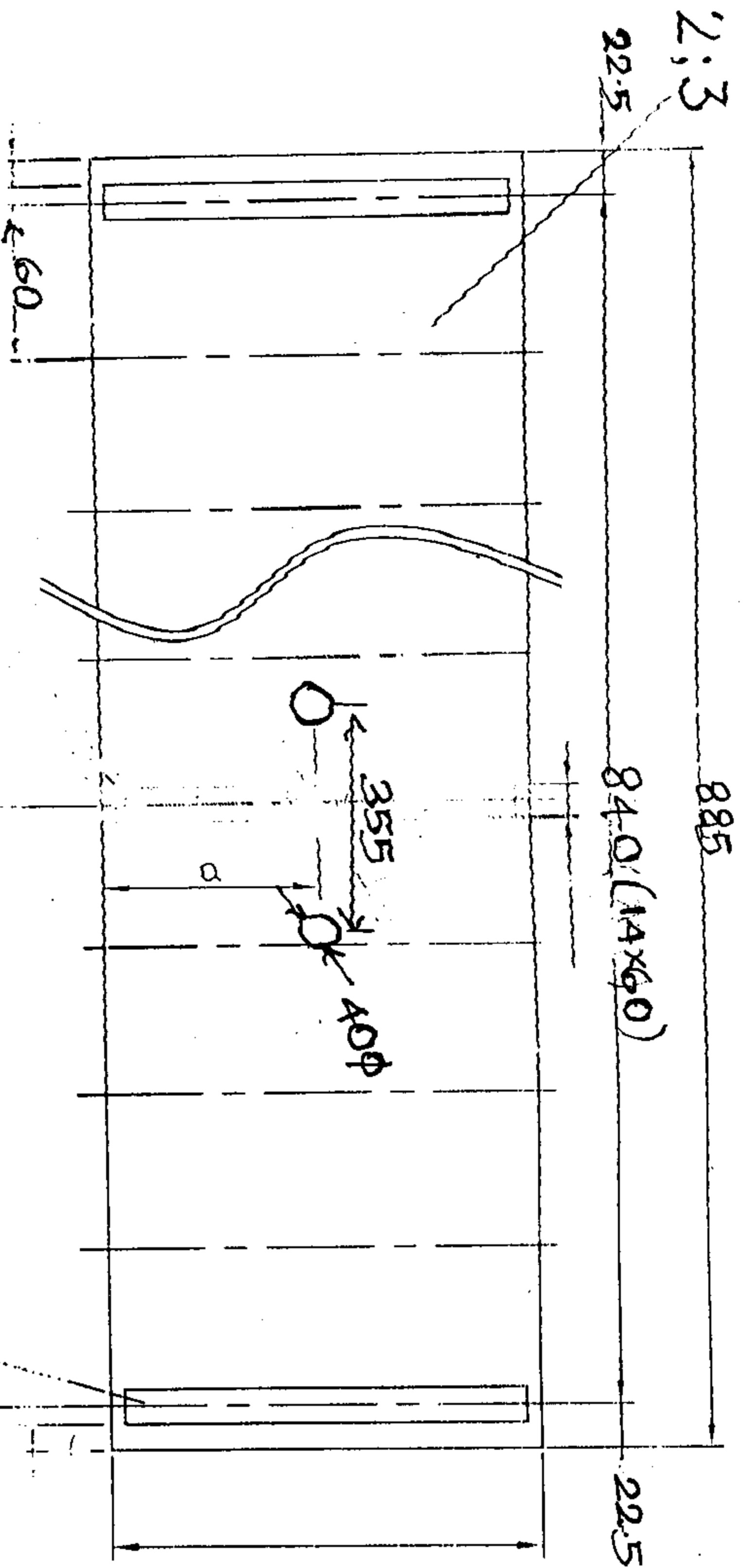
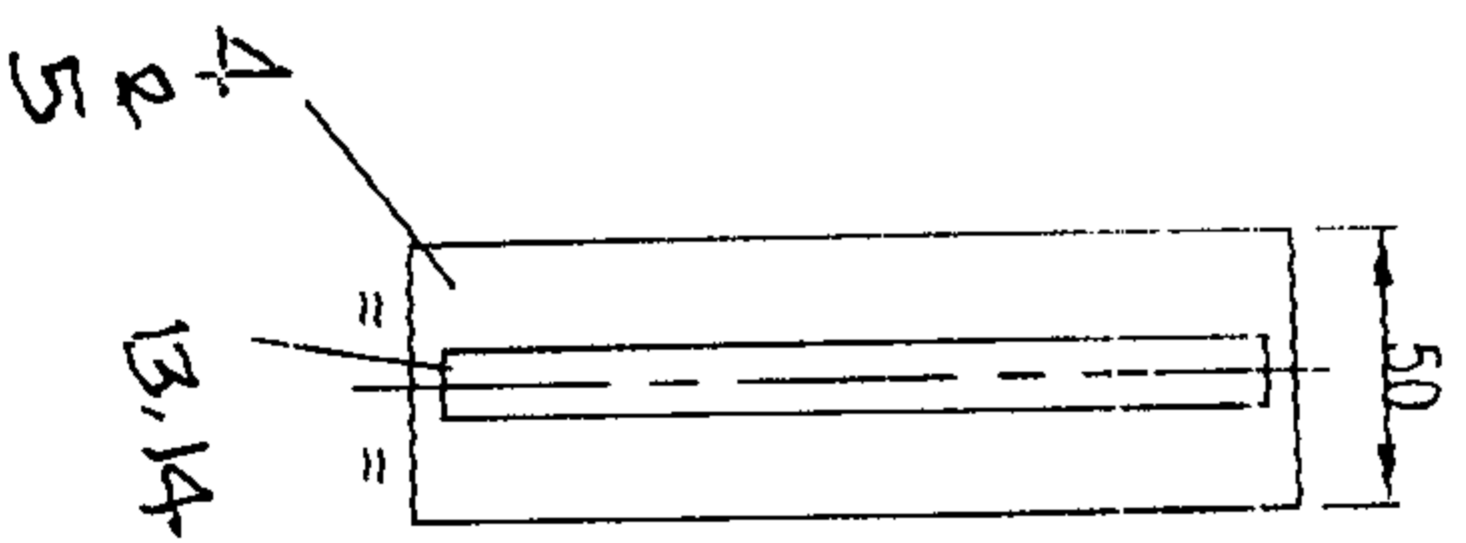
SCALE: N.T.S.

ANDREW YULE & CO. LTD.  
 (A GOVERNMENT OF INDIA ENTERPRISE)  
 ELECTRICAL DIVISION  
 TRANSFORMER & SWITCHGEAR UNIT  
 MADRAS

ISSUE DATE: 28/12/07

EUR	PLG	CC	PRO	CUSTOMER

F.O.No. 3391      DRG.No. : TG-A4-7919      REV.No. 0



QTY	DESCRIPTION	REF.	MAT	PT	REMARKS
64	20 X 340 LISTEL	10th	P.P	15	(CT)
64	20 X 360 LISTEL	10th	P.P	13	(CB)
4	INSULATION (C sheet) L = 2570		P.P	12	b = 440
2	INSULATION (B sheet) L = 2220		P.P	11	b = 440
4	INSULATION (A sheet) L = 2660		P.P	10	b = 440
2	INSULATION (C sheet) L = 2660		P.P	9	b = 530
1	INSULATION (B sheet) L = 2220		P.P	8	b = 530
2	INSULATION (CORE) (A sheet) L = 2750		P.P	7	b = 530
3	INSULATION (FOOT IRON) 210 X 530		P.P	6	
4	INSULATION (FOR YOKE) 50 X 360		POP	5	(CT)
4	INSULATION (FOR YOKE) 50 X 380		P.P	4	(CB)
4	INSULATION (FOR YOKE) 885 X 360		P.P	3	0 = 195 (CT)
4	INSULATION (FOR YOKE) 885 X 380		P.P	2	0 = 158 (CB)
6	INSULATION (FLITCH PLATE) 180 X 2550		P.P	1	

NOTE:- 1) PART NO. LISTEL TO BE PASTED WITH PART NO. 2, 3 & 4 INSULATIONS AS SHOWN IN FIGURE  
 2) HOLES ARE NOT TO BE DRILLED

13, 14

REV. NO.	ZONE	DETAILS OF REVISION	DRAWN	APPVD.	DATE

Scale: N.T.S.

All dimensions are in mm unless otherwise stated. Tolerance: Coarse (S:2102 Part 1) unless otherwise specified.

Drawn: [Signature] 7/1/08

Checked: [Signature] 7/1/08

Approved: [Signature]

ANDREW YULE & CO. LTD. (A GOVERNMENT OF INDIA ENTERPRISE) ELECTRICAL DIVISION TRANSFORMER & SWITCHGEAR UNIT CHENNAI - 96

TITLE: CORE INSULATION

F.O.No: 3391

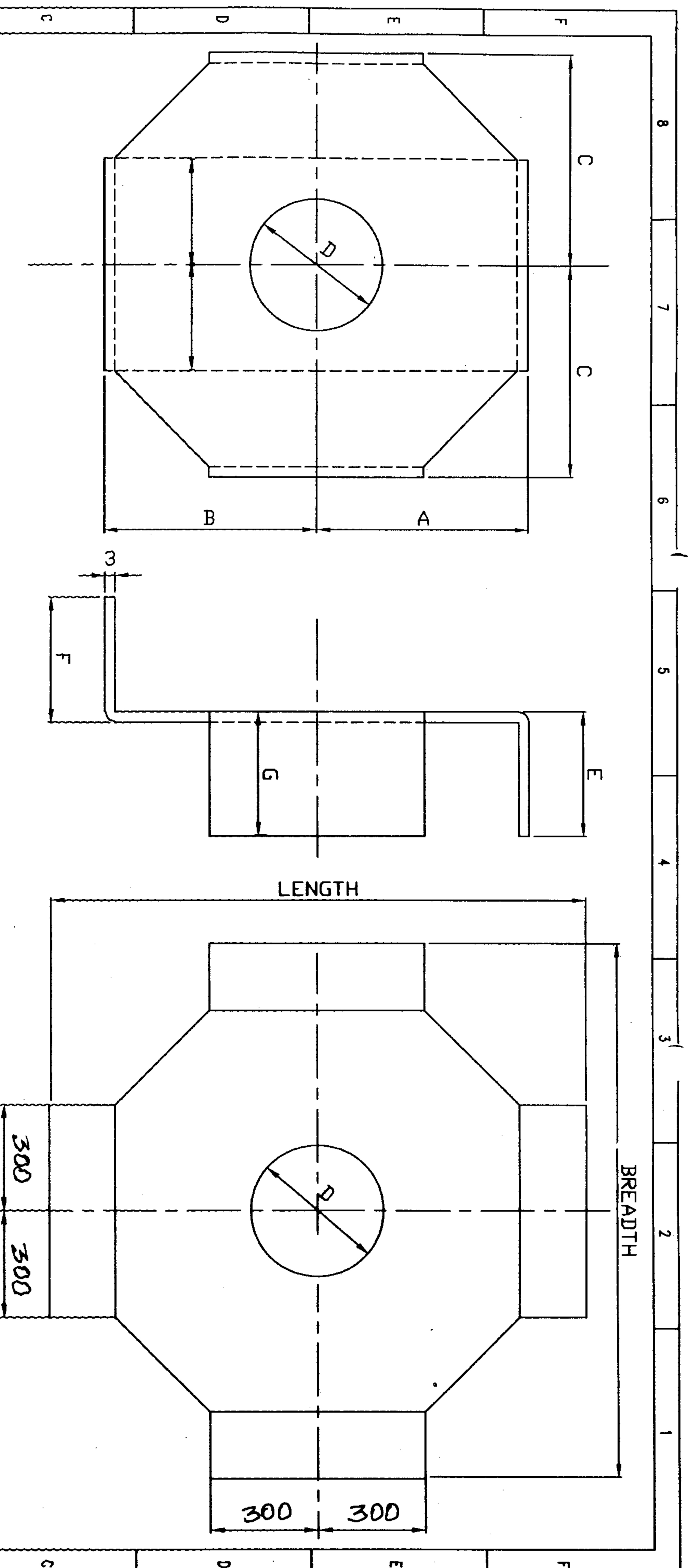
DRG.No: TG-A4-7936

REV.No: 0

ISSUE DATE: 21/08

PUR: [ ] P.L.G: [ ] G.C: [ ] PRO: [ ] CUSTOMER: [ ]

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PART NO	DIMENSIONS IN MM							QTY	
	A	B	C	D	E	F	G		
1	525	505	515	776	180	180	180	1390	3
2	505	505	515	<del>802</del>	160	120	160	1310	3
3	505	525	515	799	160	120	160	1310	3
4	525	505	515	773	180	100	180	1310	3

NOTE:  
 IF JOINTS ARE REQUIRED ALONG THE LENGTH OR BREADTH OF WASHER THEN MAKE WASHER OUT OF TWO THICKNESS 15MM EACH AND STAGGER THREE JOINTS AS SHOWN BY DOTTED LINE  
 MAT: T-III PRE COMPRESSED BOARD  
 ALL DIMENSIONS IN MM

All dimensions are in mm Unless otherwise stated		Tolerance Coarse (S2102 (Part 1)) Unless otherwise specified		Home		Signature		Date	
Checked		18R		27/12/87		DRAWN		SCALE: N.T.S	
Approved									
REV. NO.		ZONE		DETAILS OF REVISION		DRAWN		APP'D.	
8		7							
F.O.No.		3391		DRG.No. : TG-A4-1938		REV.No.		0	
TITLE		ANGLE WASHER		ISSUE DATE: 08.01.88		PUR		PLG	
ANDREW YULE & CO. LTD		(A DIVISION OF MVA ENTERPRISES)		ELECTRICAL DIVISION		TRANSFORMER & SWITCHGEAR UNIT		CHEMVAI - 96	
CONTROLLED COPY									