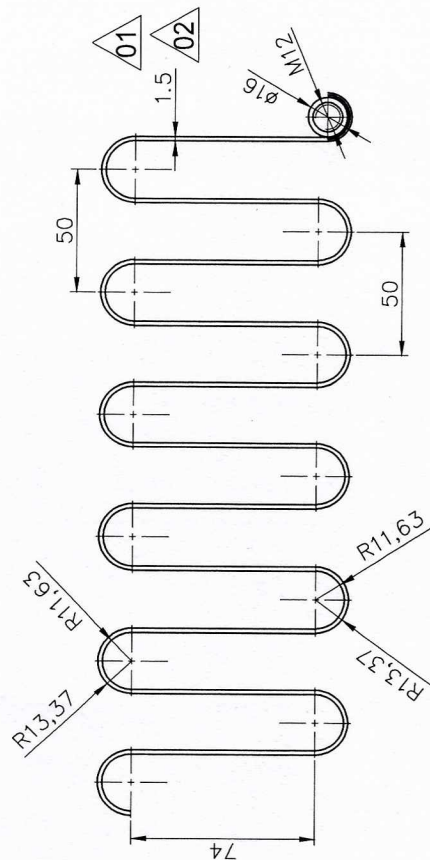
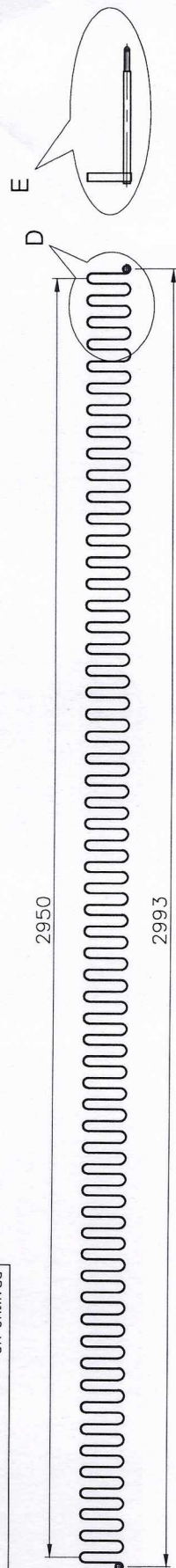
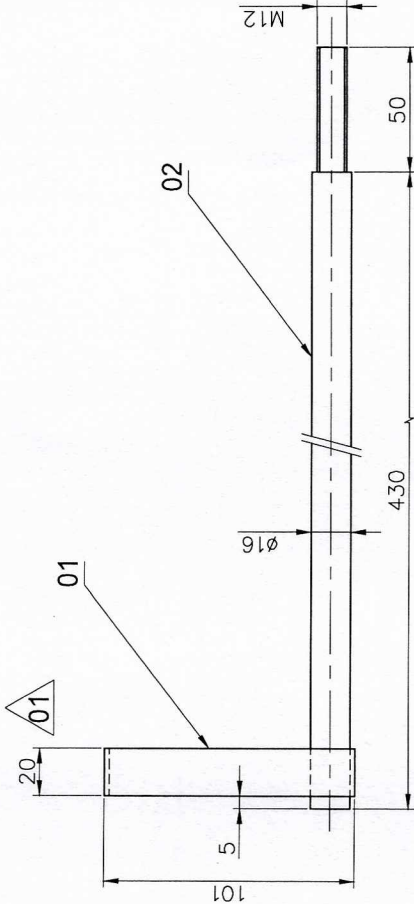


ALL DIMENSIONS ARE IN MILLIMETRES

DRAWING NO: 3-E-18A17-15460



DETAIL-D
SCALE-1:2



DETAIL-E
SCALE-1:2

NOTE: --

- 01 . HEATING ELEMENT MATERIAL KANTHAL
02 . SIZE OF STRIP : 20MM WIDTH x 1.5t
03 . NO OF TURNS IN EACH ELEMENT : 60
04 . STRETCHED LENGTH OF : 13619 MM.
05 . COLD RESISTANCE OF COIL INCLUDING TERMINAL ROD : 0.64 Ω (approx.)
06 . NO OF COIL IN FURNACE : 6

- 01 . BRAND AF GRADE.
02 . 20MM WIDTH x 1.5t
03 . NO OF TURNS IN EACH ELEMENT : 60
04 . STRETCHED LENGTH OF : 13619 MM.
05 . COLD RESISTANCE OF COIL INCLUDING TERMINAL ROD : 0.64 Ω (approx.)
06 . NO OF COIL IN FURNACE : 6

02	ROD ϕ 16x480L		D GRADE	0.70
01	COIL 1.5tx20wx13619 L		KANTHAL	2
			AF GRADE	3.39
			KANTHAL	1
			MATL CODE	UNIT WT
			MATL SPEC	QTY

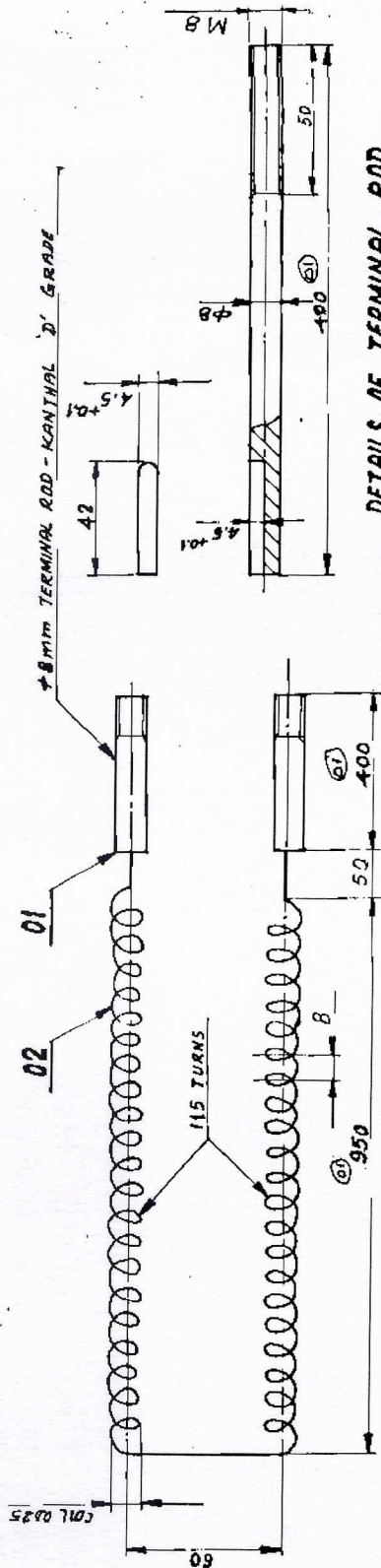
EQPT: PIT TYPE FORCED AIR CIRCULATION / ELECTRO THERME - 80

DEPT	MAS	GRADE OF UNTO. DIM	SCALE	WEIGHT (Kg)	REF TO ASSY DWG NO	ITEM
2597	15/2102	ϕ 16/f	1:10	4.79	REF TO OLD DWG NO	
			1:2			

TITLE	CARD CODE	DRAWING NO :	REV
STRIP ELEMENT	U 01	3-E-18A17-15460	02

A3-SIZE

Caution
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LTD. TELUKANAPALLY - 68 614.



DETAILS OF TERMINAL ROD

KANTHAL HEATING ELEMENT WIRE MATERIAL : KANTHAL AF GRADE

WIRE DIA : 4 mm (8 SWG)

COIL OUTSIDE DIA : 25 mm

PITCH : 8 mm

LENGTH OF COIL : 950 mm

NO. OF TURNS IN EACH COIL : 230

NO. OF COILS READ FOR THE FURNACE : 18

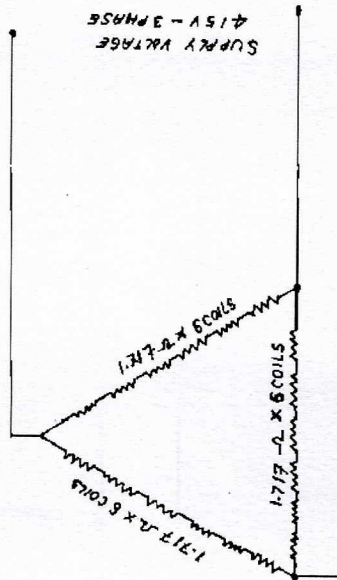
48mm TERMINAL ROD MATERIAL : KANTHAL 'D' GRADE

TOTAL COLD RESISTANCE FOR THE COIL INCLUDING THE TERMINALS : 1317.2 OHM/M.

W.L. OF EACH ELEMENT INCLUDING TERMINAL ROD : 1.585 M

STRAIGHT LENGTH OF 4mm WIRE READ FOR EACH ELEMENT : 15.3.5 m

W.C. N.A. : 1715 - 0720



CONNECTION DIAGRAM

REMARKS:- THE TERMINAL ROD MUST BE WELDED TO THE END SUITABLY BY TIG WELDING PROCESS.

1	WIRE 4 X 15325.1	KANTHAL AF GRADE	1-19-18A-02286	DATE : 31-01-95	02
2	ROD 48 X 300.1	KANTHAL 'D' GRADE	1-19-18A-02286	DATE : 31-01-95	01
No. of coils		DESCRIPTION	NATURAL	ALTERATIONS	03
REFERENCE		SCALE	DRAWN	CHECKED	04
		DATE	31-01-95	APPROVED	05
		DATE	31-01-95	DATE	06
		DATE	31-01-95	DATE	07
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		DATE	31-01-95	DATE	99
		DATE	31-01-95	DATE	100

FOR ALTERNATE DESIGN REFER DRAWING NO. 3-E-18A-11056

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Technical drawing of a mechanical part, showing three views: front view, top view, and side view. The drawing includes dimensions in millimeters (mm) and specific features.

Front View (Top):

- Overall width: 45×30 (mm) (Note: 2)
- Overall height: 180 (mm)
- Top edge features: A series of rounded peaks and valleys. The top edge is labeled with 2 and 46 (Note: 2).
- Bottom edge features: A series of rounded peaks and valleys. The bottom edge is labeled with 2 and 30 .
- Internal features: A central vertical slot with a width of 60 (mm) and a depth of 80 (mm). The bottom edge of the slot is labeled with 60 and 200 .
- Radius: $R6.5$ is indicated for the rounded corners.

Top View (Bottom):

- Overall length: 1715 (mm)
- Overall width: 1475 (mm)
- Internal features: A central vertical slot with a width of 25 (mm) and a depth of 135 (mm). The bottom edge of the slot is labeled with 240 .
- Radius: $R6.5$ is indicated for the rounded corners.

Side View (Right):

- Overall height: 30 (mm) (Note: 2)
- Internal features: A central vertical slot with a width of 60 (mm) and a depth of 80 (mm). The bottom edge of the slot is labeled with 60 and 200 .
- Radius: $R6.5$ is indicated for the rounded corners.

2	KANDAL-A1						
No. of pcs.	DESCRIPTION	MATERIAL	STD/BPS	Net wt. (kg)	Gross wt. (kg)	DRAWING No.	Item No.
REFERENCE:		ALTERATIONS	CC:00	EC:18	DCN	DATE	SIGN.
SIZE: 1500 Lx 700 W x 600 H		No. of coil per side (46) were 41-			097	23.5.96	Z
SCALE	DRAWN	dimensions added. MATL WAS					
	CHECKED	AF GRADE.					
1:2	APPROVED						
	DATE	28 01 1992					
MACHINE: ELECTRICAL FURNACE			TYPE: 60KW		1200°C.	Total wt. (kg.)	
TITLE			DRAWING No.			REV.	
TOPELEMENT			4-M-18a-24573				
			No. of Sheets:		Sheet No.		