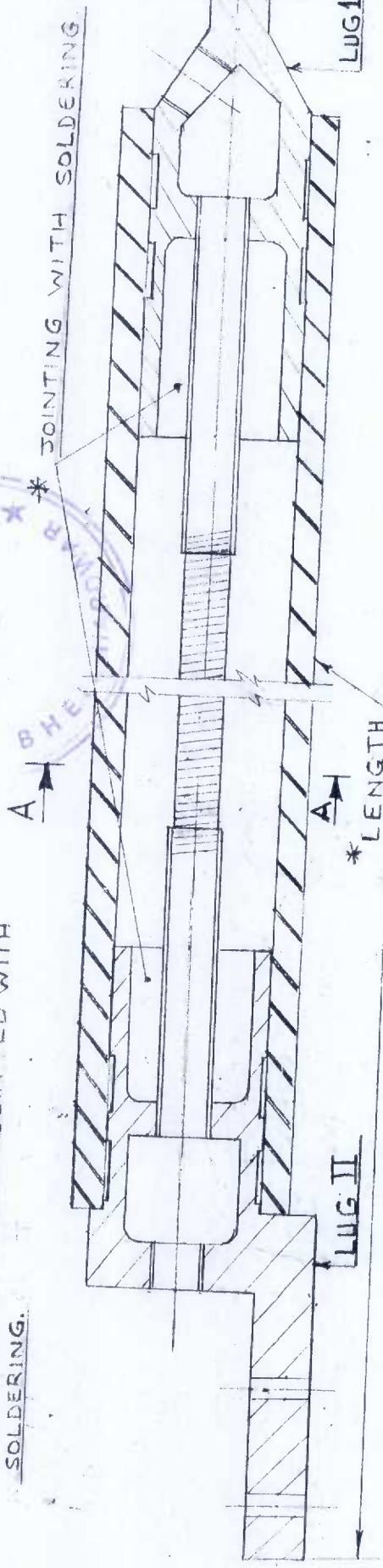


DRAWING NUMBER

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NOTES.

- 1. HOSE SHOULD BE CLAMPED WITH COPPER LUG WITH MIN. 2 NOS. OF CLAMP EACH SIDE.
- * 2. LUG & CONDUCTOR SHOULD BE JOINTED WITH SOLDERING.



WATER HOSE

NEOPRENE BASED, SYNTHETIC RUBBER, CARBON FREE, NO STEEL WIRE RE-INFORCEMENT, ELECTRICALLY INSULATING TYPE, NON REACTIVE WITH ABRASION RESISTANT AND ASBESTOS COVERING 3mm
4-PLY FURNACE COOLANT HOSE I.D. 2 3/4" X O.D. 3 3/4"
WORKING PRESSURE 10KG/CM²
WORKING TEMPERATURE 80°C

COPPER CONDUCTORS
7 X 12 X 20 Ø 0.254 OR 33 SWG
(TOTAL WT = 47.5 KGS. APPROX)
99.9% PURE ELECTROLYTIC COPPER

BRASS COIL
WIRE Ø 1.5mm, I.D. 20mm
L=9 METERS APPROX. FOR WATER DISTRIBUTION.
(TOTAL WT. = 7KGS APPROX.)

REV	DATE	ALTERED	CHECKED	BY	REASON
R3					
R2	12/12	ALTERED	CHECKED		
R1		ALTERED	CHECKED		

REV	DATE	ALTERED	CHECKED	BY	REASON
R4	06/10	ADDED			1. MATERIAL ADDED. 2. INSTALLED QUANTITY
R3		ALTERED	CHECKED		1. MATERIAL OF HOSE CHANGED IN SH 1/3 2. DIMENSIONS CHANGED AS MARK R1 IN SH 3/3

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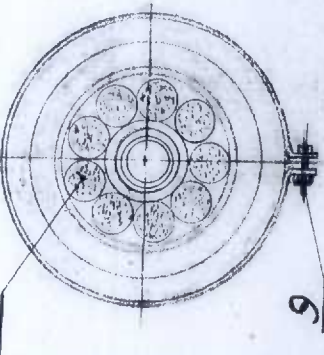
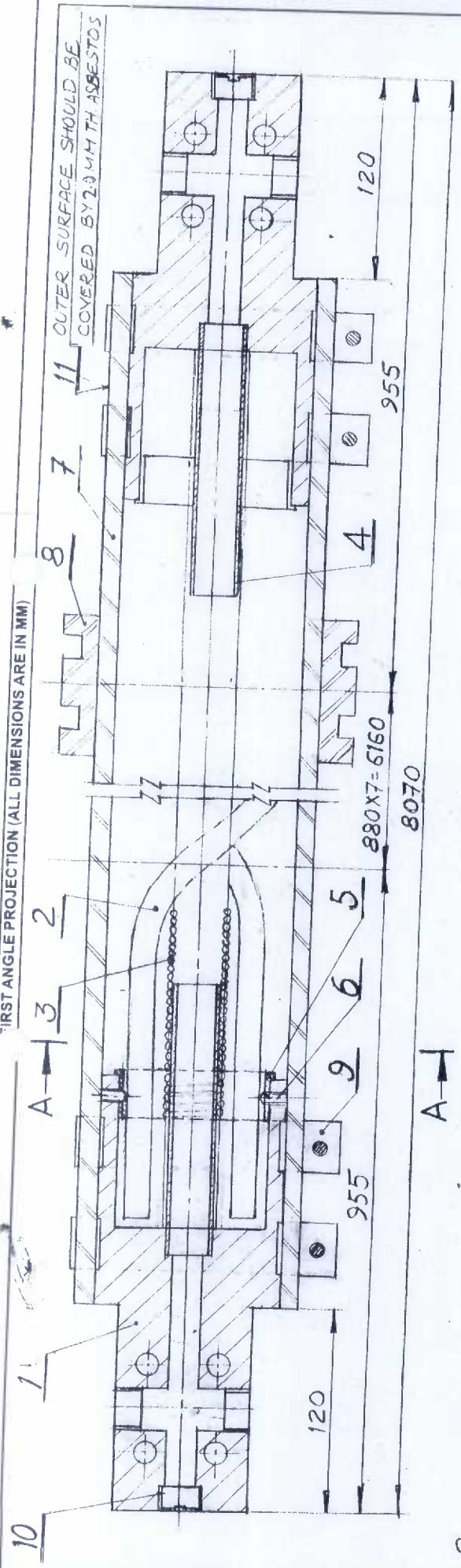
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R1		ALTERED	CHECKED		

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM)



NOTES:

1. HOSE SHOULD BE CLAMPED WITH COPPER LUG, WITH MIN. OF 2 NOS CLAMP.
2. LUG & CONDUCTOR SHOULD BE JOINED WITH SOLDERING.
3. MATERIAL FOR HOSE - NEOPRENE BASED, SYNTHETIC RUBBER, CARBON FREE, NO STEEL WIRE RE-INFORCEMENT, ELECTRICALLY INSULATING TYPE NON REACTIVE WITH ABRASION RESISTANT. WORKING PRESSURE - 6KG/CM² WORKING TEMPERATURE - 80°C
4. THE COPPER CONDUCTOR SHOULD BE SPIRALLED OVER SPRING.

SECTION A-A

5. EACH END OF THE COPPER WIRE ROPES DEEP INTO SOLDER AND MAKE PROPER END FINISH.
6. ON TOTAL BUNCH OF WIRE ROPES (9 NOS) PLACE IN ITEM NO. 5. AFTER INSERTING THE COPPER WIRE ROPES INSIDE THE LUG (ITEM NO. 1) PUSH ITEM NO. 5 INTO THE LUG & FIX THE SELF TAPPING SCREW (ITEM 6) THEREAFTER FILL THE GAP OF COPPER STANDS INSIDE THE LUG BY LIQUID SOLDER AND HEAT THE LUG (ITEM NO. 1) THROUGHLY FOR UNIFORM FLOW OF SOLDER MATERIAL.
8. BUFFER RING (ITEM NO. 8) SHOULD BE SUPPLIED IN TWO HALVES. (SEE DETAIL).



BHARAT HEAVY ELECTRICALS LTD.
UNIT: CENTRAL FOUNDRY FORGE PLANT

DEPT. DESIGN

TITLE ASSY. OF WATER COOLED CABLE FOR 70 T VAD (SMS)

SCALE 1:2.5
 WEIGHT (KGS.)
 REF. TO ASSY. DRG.

REV.	DATE	ALTERED	CHECKED	REV.	DATE	ALTERED	CHECKED

DRAWING NO. 02.33.024
 REV. 0
 SHEET NO. 3
 NO. OF SHEETS 3



MATERIAL:

REV.	DATE	ALTERED	CHECKED

Inventory No. FF8122562450
 Sign & Date
 Ref. Drg. No.

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1ST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM)

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Ref. Drg. No.

Sign & Date

Inventory No. FF 8122542450



ITEM NO.	DESCRIPTIONS	QTY.	DRG. NO.	MATERIAL	UNIT	TOTAL WT
11	ASBESTOS BRADING 2MM X 3.2 m2	-	-	-	-	-
10	PLUG 1" BSP X 15 Lg	6	-	M.S	-	-
9	SS CLAMP WITH NUT BOLT & WASHER 20	-	-	-	-	-
8	BUFFER RING #126 X 170 Lg	8	02, 33, 024 SA. 30F3	-	-	-
7	WATER HOSE OD 127 X 8Th X 7830 Lg	1	-	-	-	-
6	SET SCREW M5 X 15 Lg	8	-	AISI- 304	-	-
5	STRAND HOLDER	2	02, 33, 024 SA. 30F3	COPPER	-	-
4	PIPE OD 28 X 160 Lg	2	02, 33, 024 SA. 30F3	COPPER	-	-
3	COMPRESSION SPRING #3.25 X OD 38.5 X ID 32 X 77.40 Lg	1	-	99.97 PURE ELECTROLYTIC COPPER	-	-
2	COPPER CONDUCTOR (9 X 14 X 85) WIRE #.457 X 9000 Lg.	1	-	99.97 PURE ELECTROLYTIC COPPER	-	-
1	COPPER LUG	2	02, 33, 024 SA. 30F3	99.97 PURE ELECTROLYTIC COPPER	-	-

BHARAT HEAVY ELECTRICALS LTD.
UNIT : CENTRAL FOUNDRY FORGE PLANT
HARDWAR



DEPT. DESIGN: SCALE: WEIGHT (KGS.)

TITLE: ASSY. OF WATER COOLED CABLE FOR 70 T VAD, (SMS)

REF. TO ASSY. DRG. ITEM NO.

DRAWING NO. 02,33,024

SHEET NO. 2 NO. OF SHEETS 3

REV. 0

APPROVED:

CHECKED:

DATE:

NAME:

SIGN:

Dimensions to be Controlled Within Limits as Shown
 Machining Tolerance ± 0.25 mm Unless Otherwise Shown. Non Machining Tolerance ±

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Inventory No.
FF 8122 S+2450

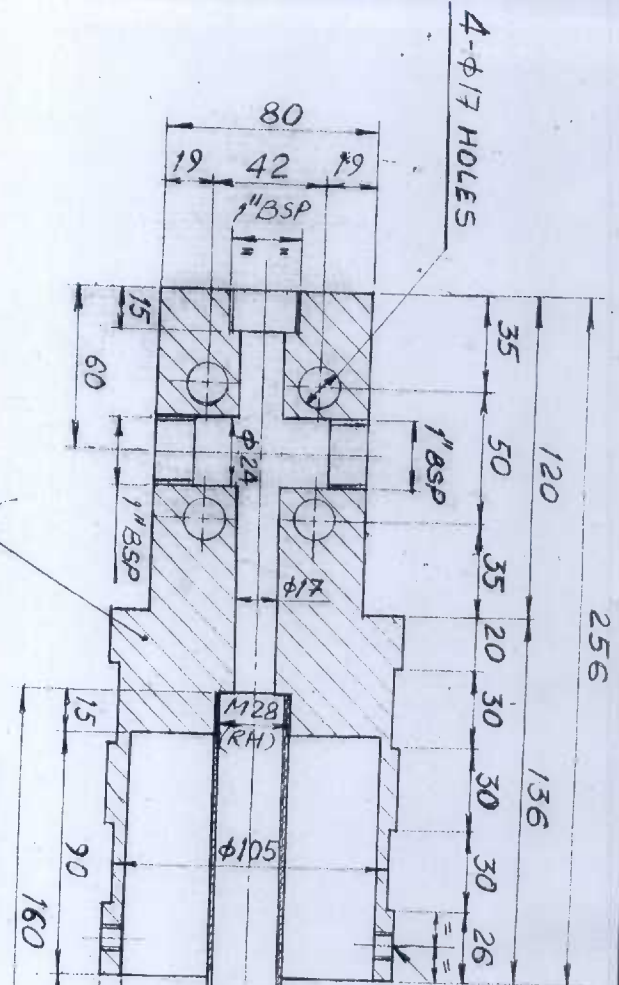
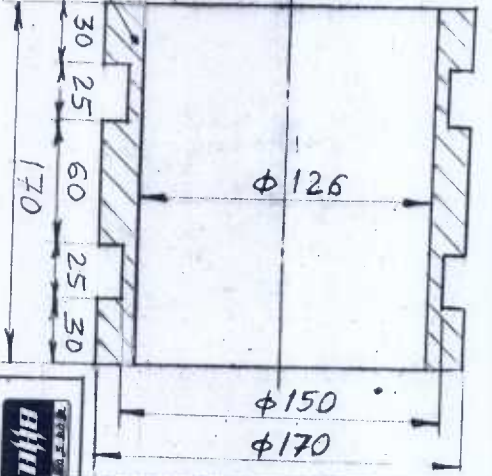
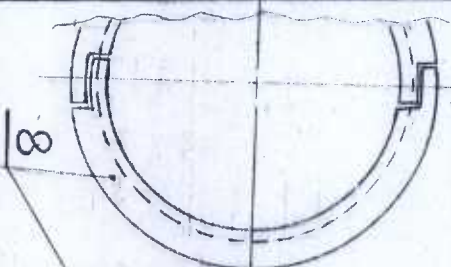
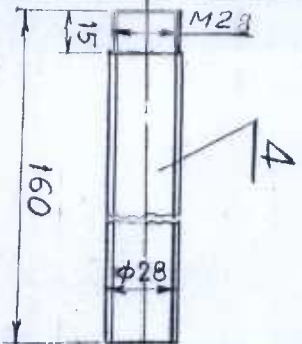
Sign & Date

Ref. Drg. No.

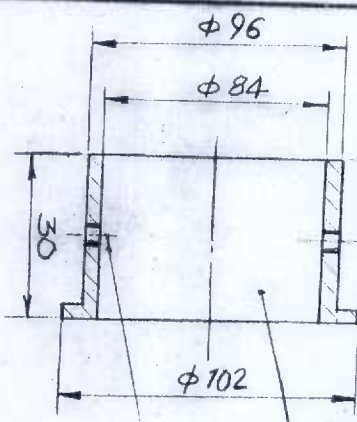
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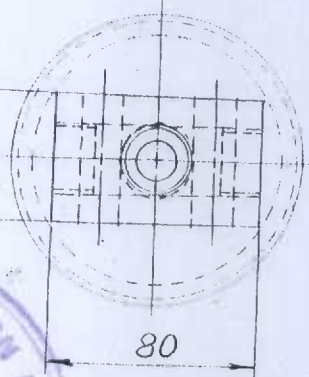
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SECTION A-A



4-M5 TAP HOLES.
EQUALLY SPACED.



4-M5 TAP HOLES
EQUALLY SPACED

FAST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM)

BHARAT HEAVY ELECTRICALS LTD.
UNIT : CENTRAL FOUNDRY FORGE PLANT
HARDWAR

DEPTT. DESIGN
TITLE: **DETAIL OF WATER COOLED CABLE FOR TOT VAD (SWS)**
SCALE: 1:2
WEIGHT (KGS):
REF. TO ASSY. DRG.

Dimensions to be Controlled Within Limits as Shown
Machining Tolerance ± 0.25 mm Unless Otherwise Shown. Non Machining Tolerance ±

DRAWING NO.	DATE	REV.
02, 33, 024	0	0

NO. OF SHEETS	SHEET NO.
3	3

