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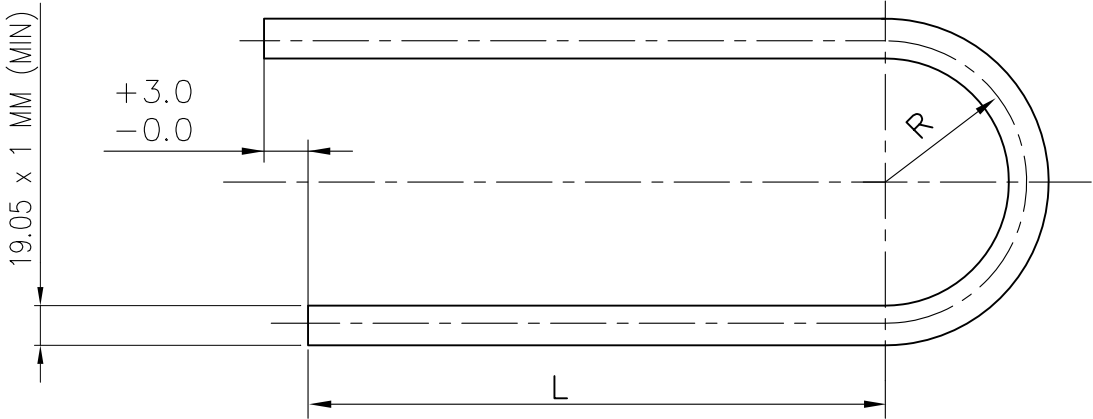
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

DRG. NO. 3-162-22-00387

	L.P.HEATER No.3	L.P.HEATER No.4
LENGTH "L"	11400-U TUBE	9400-U TUBE
QUANTITY	1145	1145
MATL. CODE	HE9718587780	HE9718587772

ROW No	RADIUS "R"	QUANTITY	LPH-3	LPH-4
			DEV LENGTH	DEV LENGTH
1	38.1	40	22920	18920
2	58.7	48	22984	18984
3	79.3	48	23049	19049
4	100.0	48	23114	19114
5	120.6	47	23179	19179
6	141.2	52	23244	19244
7	161.8	51	23309	19309
8	182.4	52	23373	19373
9	203.1	51	23438	19438
10	223.7	50	23503	19503
11	244.3	49	23568	19568
12	264.9	48	23633	19633
13	285.5	49	23697	19697
14	306.2	48	23762	19762
15	326.8	47	23827	19827
16	347.4	46	23892	19892
17	368.0	43	23957	19957
18	388.6	42	24021	20021
19	409.3	39	24086	20086
20	429.9	38	24151	20151
21	450.5	39	24216	20216
22	471.1	36	24281	20281
23	491.7	35	24345	20345
24	512.4	32	24410	20410
25	533.0	29	24475	20475
26	553.6	22	24540	20540
27	574.3	16	24605	20605
NO. OF TUBES		1145		
TOTAL DEVELOPED LENGTH FOR THE TUBE BUNDLE IN METERS			27109.64	22529.64
ESTIMATED WEIGHT OF THE TUBE BUNDLE IN KGS			13453.75	11186.65



NOTES: –

1. MATERIAL: –SA688 TP 304 WITH CARBON MAX. 0.05% AS PER ASME SEC-II PART-A YEAR OF EDITION AND ADDENDA AS PER P.O./ INDENT.
2. TECHINICAL REQUIREMENTS AS PER PRODUCT STD. HE 5 1103 REV.18 AND AS PER MATERIAL SPECIFICATION.
3. QUALITY REQUIREMENTS INSPECTION & CERTIFICATION AS PER QUALITY PLAN: –HY/HE/004/U–TUBES REV.(LATEST AS PER P.O./INDENT)
4. INSPECTION & CERTIFICATION: – M/S LLOYDS.
5. HYDRO TEST PRESSURE ON EACH TUBE = 75 Kg/Sq cm(g).
6. MIN.WALL THICKNESS = +20%
– 0%

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT										800 MW									
<div>बीएचईएल</div> <div>BHEL</div>					BHARAT HEAVY ELECTRICALS LTD. HYDERABAD					DRN.	NAME RAJESH M		SIGN.	M RAJESH		DATE	11.11.11		NO.OF VAR.
										CHD.	A.K.SAHOO		AKS	11.11.11		NA			
										APPD.	K KIRAN KUMAR			11.11.11					
DEPT. HEE	GRADE OF TOL.DIM. C/M/F			SCALE		WEIGHT (KG) NA		REF. TO ASSY DRG. NA				ITEM NO. NA	NO.OF ITEMS NA						
CODE 405	TITLE U – TUBES (FOR L.P.HEATERS –3 &4)					CARD CODE		DRAWING NO. 3-162-22-00388					REV. 00						
SHEET No. 1 NO OF SHEETS 1																			