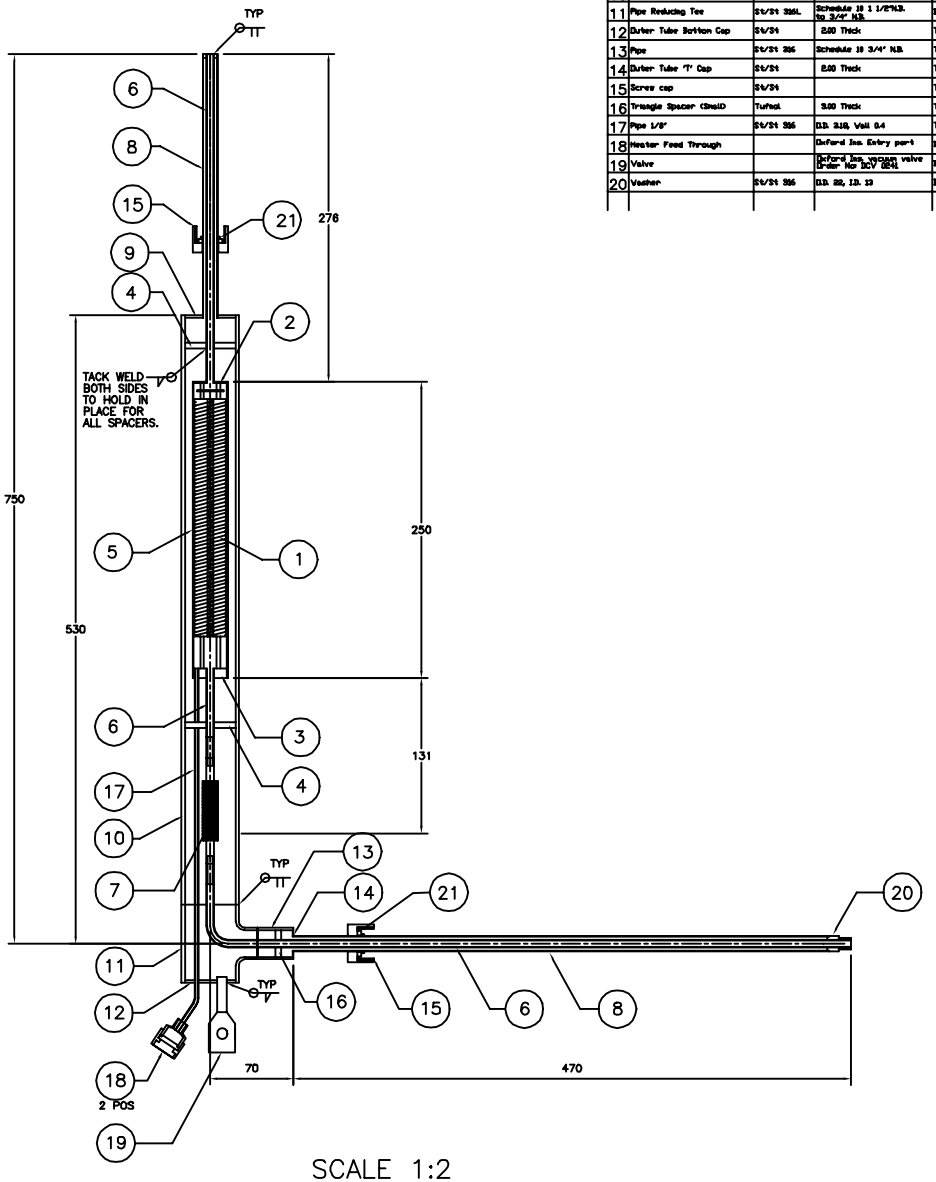
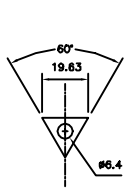
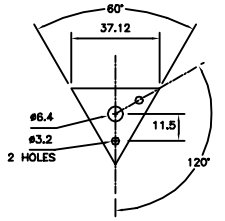
No	ITEM	MAT.	REMARK	DWG	#off
1	Heater			This DWG.	1
2	Heater Tube Top Cap	St/St	2.00 Thick	This DWG.	1
3	Heater Tube Bottom Cap	St/St		This DWG.	1
4	Triangle Spacer (Large)	Tufnol	2.00 Thick	This DWG.	2
5	Pipe	St/St 304	O.D. 30mm, Wall 2mm	This DWG.	1
6	Pipe 1/4"	St/St 316	O.D. 6.35mm, Wall 0.5mm	This DWG.	3
7	Cajon flexible tube and adapters	St/St 316L	Nom. ID 1/4" Length 6" with VCR Adaptor 304-4-6MA Other End 1/4" BSP Male Order No CAM Adaptor 304-4-6MA	B.O.P.	1
8	Pipe	St/St 304	O.D. 12.7mm, Wall 0.5mm	This DWG.	2
9	Outer Tube Top Cap	St/St	2.00 Thick	This DWG.	1
10	Pipe	St/St 316	Schedule 10 1 1/2"N.B.	This DWG.	1
11	Pipe Reducing Tee	St/St 316L	Schedule 10 1 1/2"N.B. to 3/4" N.B.	B.O.P.	1
12	Outer Tube Bottom Cap	St/St	2.00 Thick	This DWG.	1
13	Pipe	St/St 316	Schedule 10 3/4" N.B.	This DWG.	1
14	Outer Tube "T" Cap	St/St	2.00 Thick	This DWG.	1
15	Screw cap	St/St		This DWG.	2
16	Triangle Spacer (Small)	Tufnol	2.00 Thick	This DWG.	1
17	Pipe 1/8"	St/St 316	O.D. 3.18, Wall 0.4	This DWG.	2
18	Heater Feed Through		Oxford Ins. Entry part	B.O.P.	2
19	Valve		Oxford Ins. vacuum valve Order No DCV 2E4L	B.O.P.	1
20	Washer	St/St 316	O.D. 22, I.D. 13	B.O.P.	2



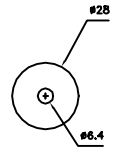
SCALE 1:2



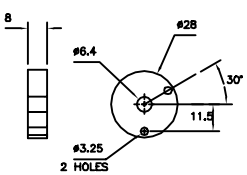
ITEM 16



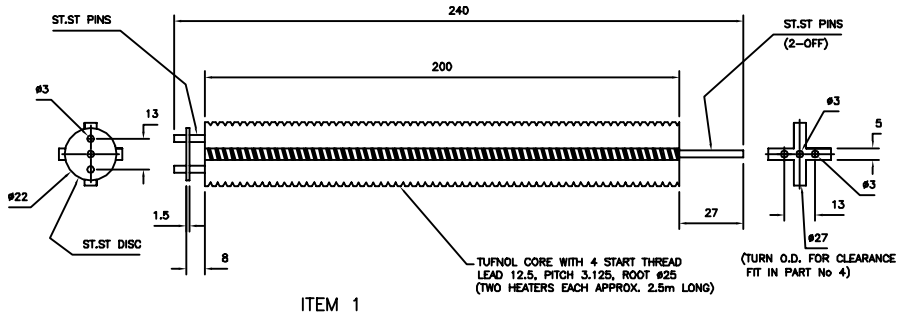
ITEM 4



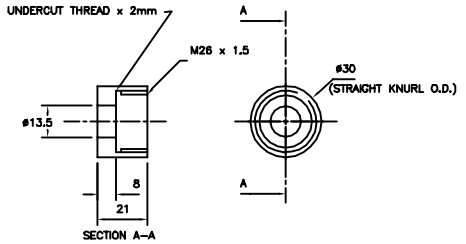
ITEM 2



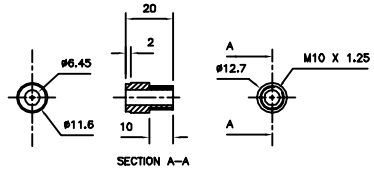
ITEM 3



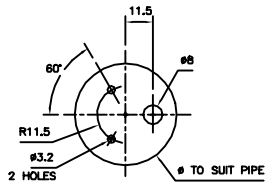
ITEM 1



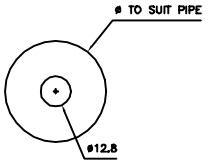
ITEM 15



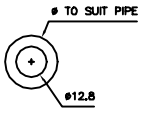
ITEM 20



ITEM 12



ITEM 9



ITEM 14

THE UNIVERSITY OF LIVERPOOL
DEPARTMENT OF PHYSICS

LCFI

HEATER ASSY

NP32–01–100

J.A.CARROLL
7/1/99
R.MURGATROYD
R.MURGATROYD

DO NOT SCALE

1 | 1 | 1:1 | A