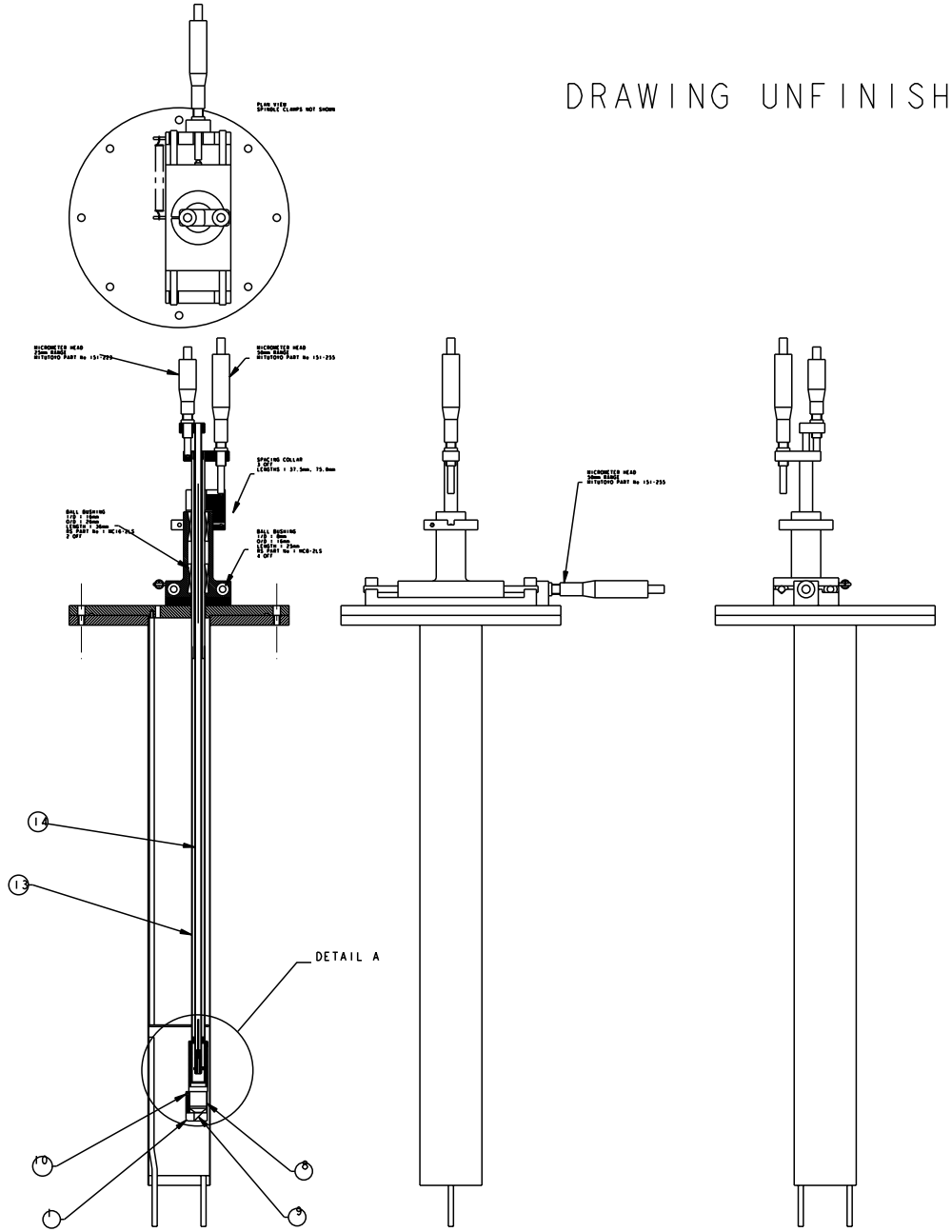
THIRD ANGLE PROJECTION

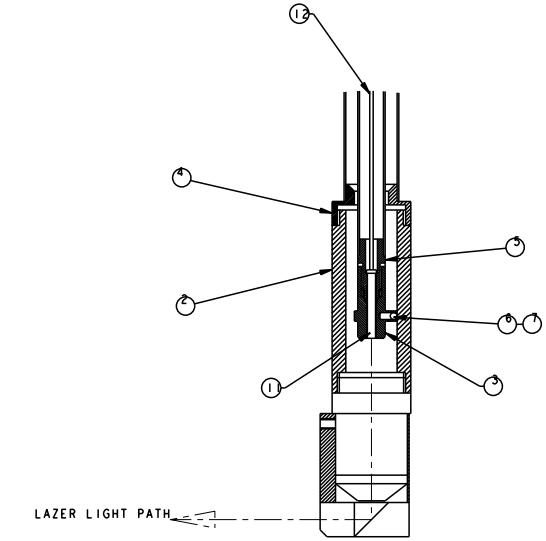
DRAWING UNFINISHED

ITEM	TITLE	DRAWING No	MATERIAL	REMARKS	QTY
1	PRISM MOUNT	NP32-01-40	BRASS		1
2	LENS EXT'N TUBE	NP32-01-41	BRASS		1
3	FIBER END GUIDE	NP32-01-42	BRASS		1
4	LENS MOUNT	NP32-01-43	BRASS		1
5	FIBER END GUIDE MOUNT	NP32-01-44	BRASS		1
6	Ø2mm BALL		STEEL		1
7	SPRING		STEEL		1
8	MICROSCOPE OBJECTIVE				1
9	10mm X 10mm PRISM		GLASS		1
10	GRUB SCREW		STEEL	M3 X 3	1
11	LIGHT FIBER FERRULE	EU 5307	BRASS	OMW DESIGN	1
12	LIGHT FIBER				1
13	OUTER TUBE	NP32-01-45	ST STEEL		1
14	INNER TUBE	NP32-01-46	ST STEEL		1
15					
16					
17					
18					

NOTES:-

1. BOND ITEM'S 4 & 5 INTO THE END OF THEIR RESPECTIVE TUBES USING LOCTITE RETAINER 601 OR HARD SOLDER.
2. IF USING LOCTITE RETAINER TEST JOINT STRENGTH AT LIQUID NITROGEN TEMPERATURE.
3. BOND THE PRISM (ITEM 9) TO THE PRISM MOUNT (ITEM 1) USING EPOXY RESIN ON THE NON-REFLECTIVE SIDES.
4. ALIGN PRISM TO BE SQUARE AND CENTRAL TO LENSE (ITEM 8).
5. DO NOT ALLOW REFLECTIVE SURFACES OF PRISM TO BECOME CONTAMINATED WITH EPOXY.





DETAIL A
SCALE 2:1

A			FIRST ISSUE
ISSUE	DATE	NAME	DESCRIPTION
MODIFICATIONS			

UNLESS OTHERWISE SPECIFIED:-
ALL DIMENSIONS IN MILLIMETRES
SURFACE TEXTURE VALUES IN MICROMETRES
SURFACE TEXTURE TO BE ✓
MACHINE ALL OVER OR WHERE MARKED ✓
REMOVE BURRS AND BREAK SHARP EDGES

METRIC SCREW THREADS TO BS3643 CLASS 6H/6g
TOLERANCES
MACHINED DIMS. ±
ANGULAR ±
UNLESS OTHERWISE SPECIFIED
DO NOT SCALE

BROADING PRACTICE AND TOLERANCE INTERPRETATION TO BS308
MATERIAL
SPEC
TREATMENT
FINISH

WELDING SYMBOLS TO BS 499

DRAWN: A A MUIR
DATE: 3/8/99
CHECKED
APPROVED

THE UNIVERSITY OF LIVERPOOL
DEPARTMENT OF PHYSICS

PROJECT: LCF1

TITLE: FIBER MANIPULATOR ASS'Y

DRAWING NUMBER: NP32-01-50
ARRGT. DRAWING: NP32-01-50

SHEET | OF | SHEETS | SCALE:- 1:2