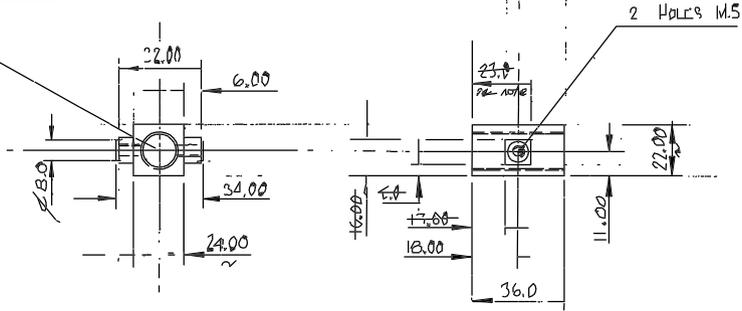


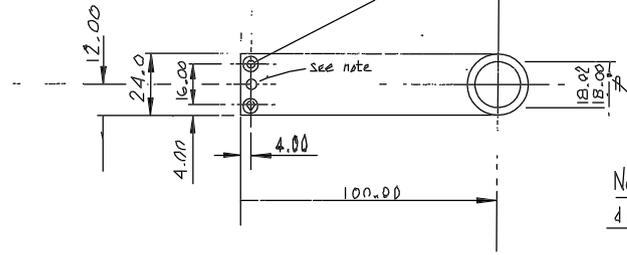
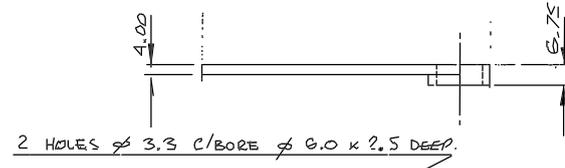
THR. M15 x 1.5H



φ 12

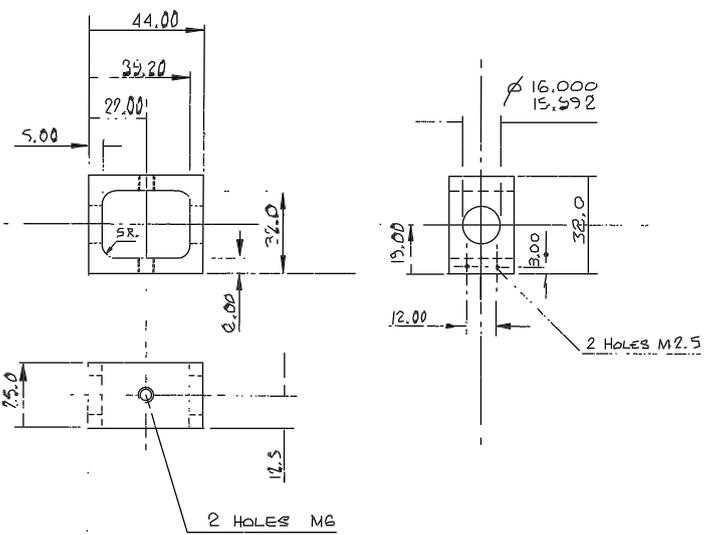
TITLE		
4	NUT	
MATERIAL	SCALE	TOLERANCES ±
BRONZE	1:1	x 0.5
FINISH	No REQS. PER UNIT	x.x 0.3
CLEAN	1	x.x.x 0.1
D.W. No.	DRAWING No.	
W/GC/100	R.G.O. 11/GC/104	

NOTE! SR TERMINATION CHANGED FROM BR TO ROUND, φ 12

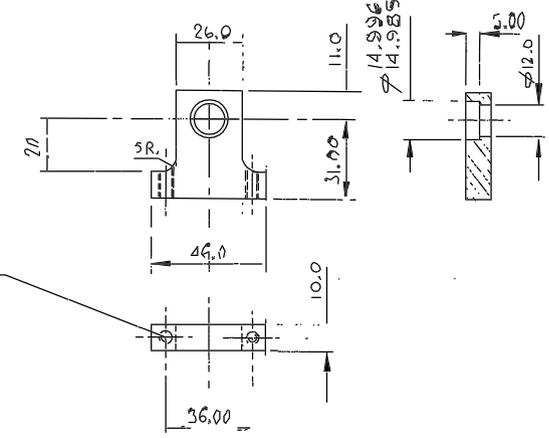


NOTE!  
4mm LOWER IN CON. WITH  
W/GC/116

TITLE		
6	GIMBLE	
MATERIAL	SCALE	TOLERANCES ±
ALUMINIUM	1:1	x 0.5
FINISH	No REQS. PER UNIT	x.x 0.3
BLK. ANODISE	2	x.x.x 0.1
D.W. No.	DRAWING No.	
W/GC/100	R.G.O. W/GC/106	

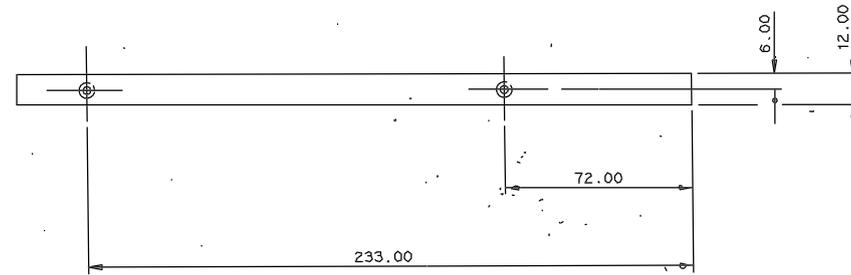
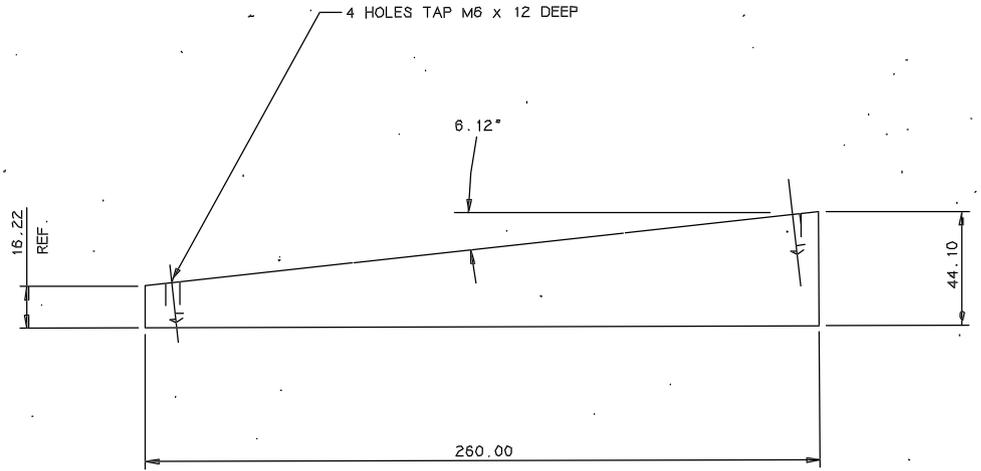
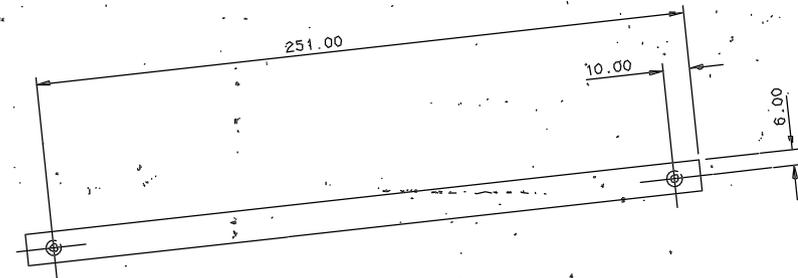
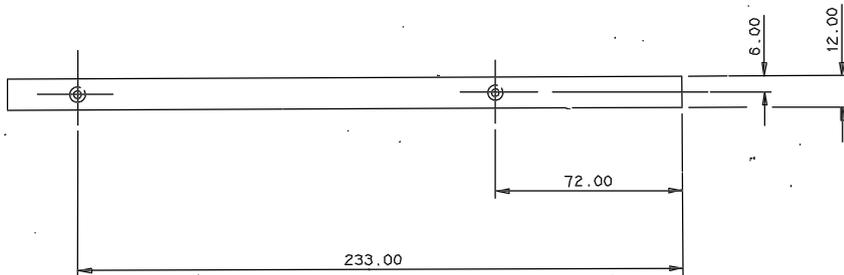
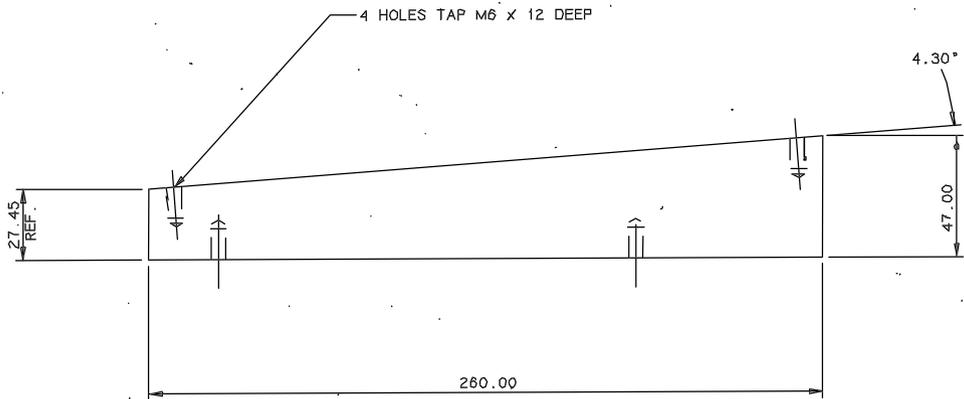
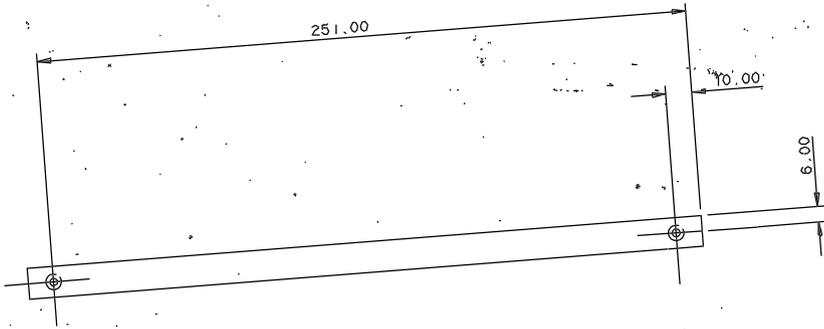


TITLE		
5	GIMBLE	
MATERIAL	SCALE	TOLERANCES ±
ALUMINIUM	1:1	x 0.5
FINISH	No REQS. PER UNIT	x.x 0.3
BLK. ANODISE	1	x.x.x 0.1
D.W. No.	DRAWING No.	
W/GC/100	R.G.O. W/GC/105	



TITLE		
7	BEARING HOUSING	
MATERIAL	SCALE	TOLERANCES ±
ALUMINIUM	1:1	x 0.5
FINISH	No REQS. PER UNIT	x.x 0.3
BLK. ANODISE	1	x.x.x 0.1
D.W. No.	DRAWING No.	
W/GC/100	R.G.O. W/GC/107	

						Tolerances (Unless otherwise stated)		Material		Dimns in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No.			
						X ±		Aluminium		ROYAL GREENWICH OBSERVATORY,		Title 1/5/5		Drawing No.		W/GC/104-107			
						XX ±		Finish		HERSTMONCEUX CASTLE		Dwg. No.		No. Req.		LALL. FOODS DRIVE DET			
						XXX ±		Used on		HAILSHAM		Used on							



TITLE		DISC REF.	
19		ANGLED SUPPORT	
MATERIAL	SCALE	TOLERANCES ±	
AL. ALLOY	1:1	X	±
FINISH	No. REQD. PER UNIT	X.X	0.1
BLK. ANODISE	2 OFF	X.XX	
S.A. No.	DRAWING No.		
RG0	W/GC/119		

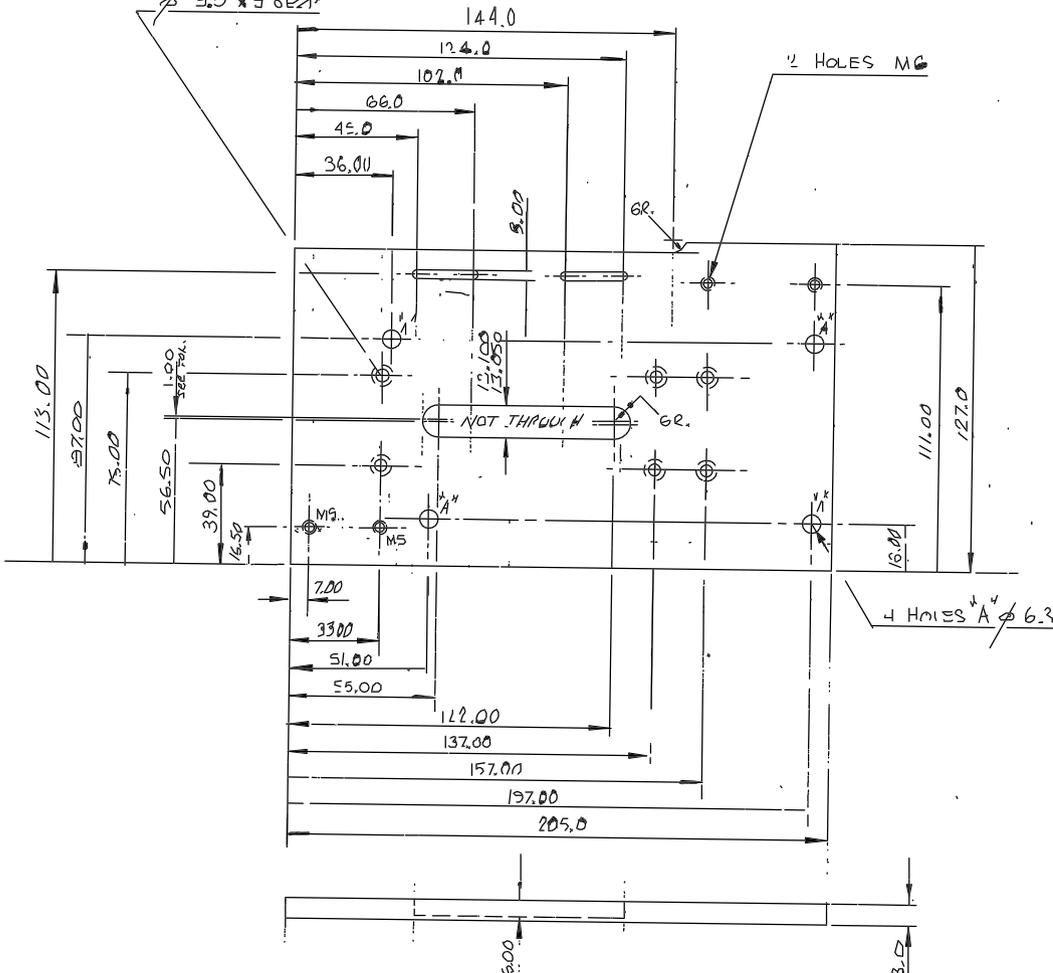
TITLE		DISC REF.	
20		ANGLED SUPPORT - RED	
MATERIAL	SCALE	TOLERANCES ±	
AL. ALLOY	1:1	X	±
FINISH	No. REQD. PER UNIT	X.X	0.1
BLK. ANODISE	2 OFF	X.XX	
S.A. No.	DRAWING No.		
RG0	W/GC/020		

Tolerances (Unless otherwise stated)								Material		Dimms. In m.m.		Scale		THIRD ANGLE PROJECTION		SA No.	
X	±																
X.X	±																
X.XX	±																
Issue	Mod.No	Date	Drawn by	Issued	Mod.No	Date	Drawn by	Material	Finish	Drg.No.	No. Req.	Used on	Title		Drawing No.		
													ROYAL GREEN WICH OBSERVATORY HERSTMONGEUX CASTLE HAILSHAM SUSSEX		4.2m ISIS COLLIMATOR FOCUS DRIVE - DETAILS W/GC/119-20		

6 HOLES  $\phi$  5.3 C/B ON O/SIDE

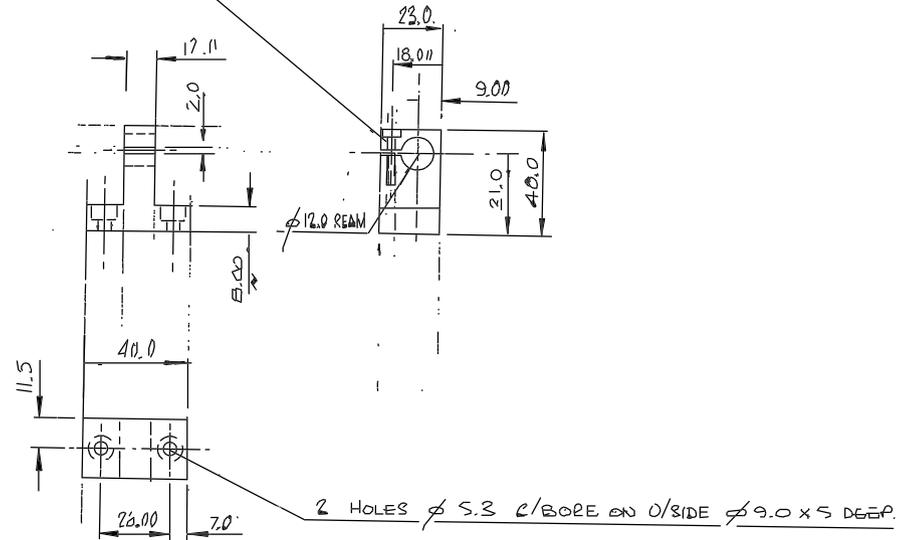
$\phi$  9.0 X 5 DEEP

2 HOLES M6



DRILL TAIL & BORE TO QUIT

M2 SKT HD. CAP SC.

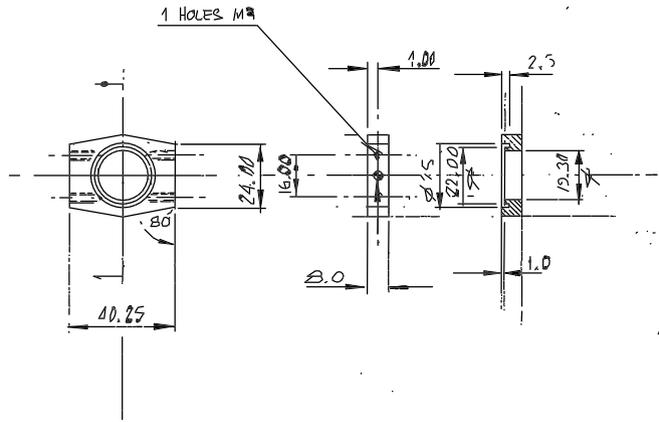


TITLE		
17 M6 PLATE (RED COLL)		
MATERIAL	SCALE	TOLERANCES $\pm$
ALUMINIUM	1:1	X 0.5
FINISH	NO REQ. PER UNIT	XX 0.3
ALL ANODISE	1	XXX 0.1
D.A. No.	DRAWING No.	
W/GC/100	R.G.O. W/GC/117	

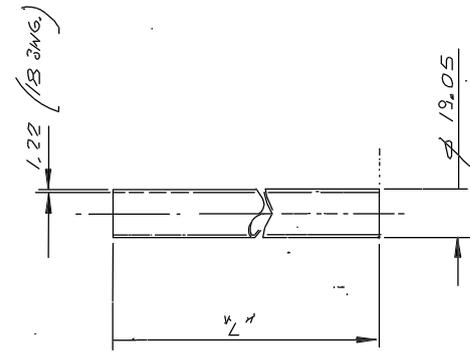
TITLE		
18 TRANSDEX M6. BKT		
MATERIAL	SCALE	TOLERANCES $\pm$
ALUMINIUM	1:1	X 0.5
FINISH	NO REQ. PER UNIT	XX 0.3
ALL ANODISE	1	XXX 0.1
D.A. No.	DRAWING No.	
W/GC/100	R.G.O. W/GC/118	

Issue						Material						Dim in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No.			
Tolerances (Unless otherwise stated)						Finish						Drg. No.		No. Req.		ROYAL GREENWICH OBSERVATORY, HERSTMANCEUX CASTLE, HALSHAM SUSSEX.		Title 15/3 COLL FOCUS 2 C/BS		Drawing No.	
X $\pm$						XXX $\pm$						Used on						W/GC/117-118		DET 45.	

Drawing No.  
N

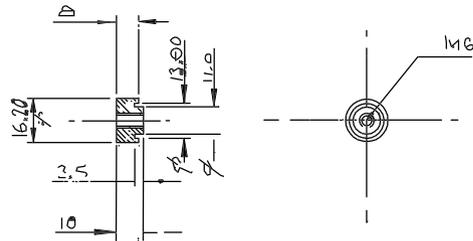


A FLANGE		
MATERIAL 321 ST. ST.	SCALE 1:1	TOLERANCES X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT 1	
D.A. No.	R.G.O.	DRAWING No.

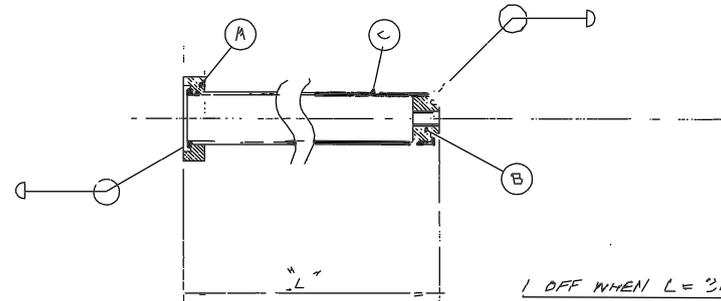


1 OFF WHEN L = 313.0  
1 x x L = 23.0

C. TUBE		
MATERIAL 321 TUBE	SCALE 1:1	TOLERANCES X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT 1 SET	
D.A. No.	R.G.O.	DRAWING No.



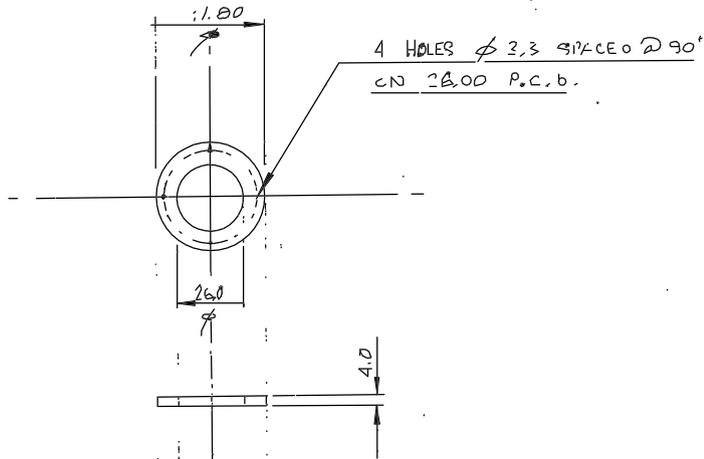
B CAP		
MATERIAL 321 ST. ST.	SCALE 1:1	TOLERANCES X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT 1	
D.A. No.	R.G.O.	DRAWING No.



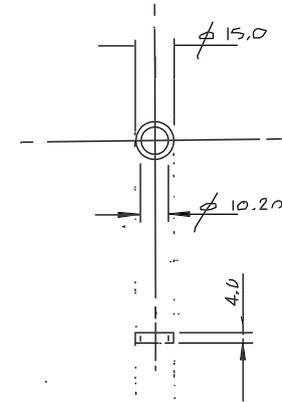
1 OFF WHEN L = 316 (BLUE COLL<sup>R</sup>)  
1 x x L = 26 (RED COLL<sup>R</sup>)

16 WELDED ASY		
MATERIAL 321	SCALE 1:1	TOLERANCES X 1.0 XX XXX
FINISH CLEAN	NO REQ. PER UNIT 1 SET	
D.A. No.	R.G.O.	DRAWING No.

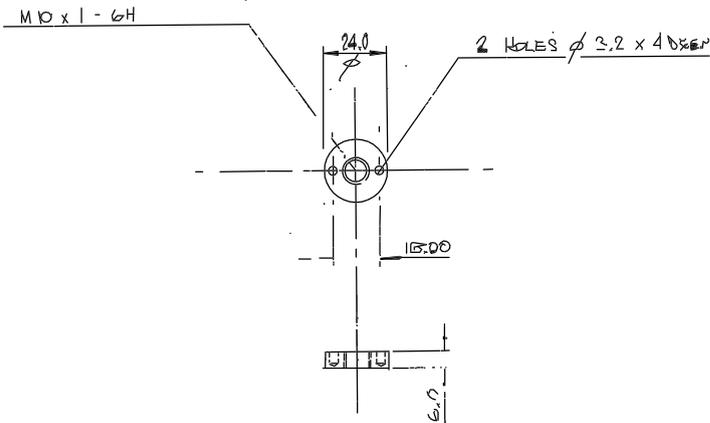
								Tolerances (Unless otherwise stated)		Material		Dims in mm.		Scale		THIRD ANGLE PROJECTION		G.A. No.			
								X ± XX ± XXX ±				Dr. No.		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE HALLSHAW		THIS 1/3 COLL FOCUS DRIVE		Drawing No.			
Isabé				Date				Drawn By		Issue		Mod. No.		Date		Drawn By		Used on		SUSSEX.	
																		CONNECTING ROD		W/GC/116	



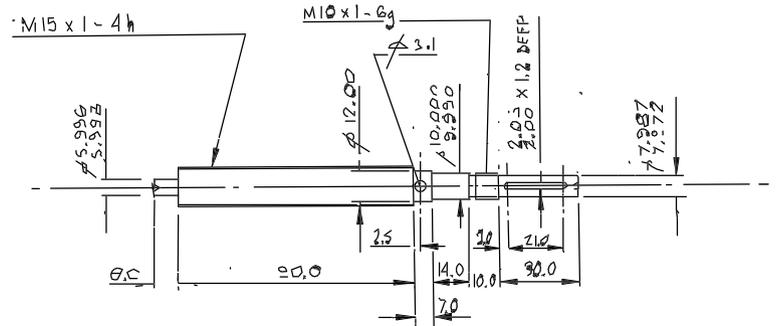
12 RING		
MATERIAL M.S.	SCALE 1:1	TOLERANCES ± X 0.3 XX 0.3 XXX 0.1
FINISH CAD 2 PASS	NO REQ. PER UNIT 1	
D.W. No. W/GC/100	DRAWING No. R.G.O. W/GC/112	



14 SPACER		
MATERIAL M.S.	SCALE 1:1	TOLERANCES ± X 0.3 XX 0.3 XXX 0.1
FINISH CAD 2 PASS	NO REQ. PER UNIT 1	
D.W. No. W/GC/100	DRAWING No. R.G.O. W/GC/112	

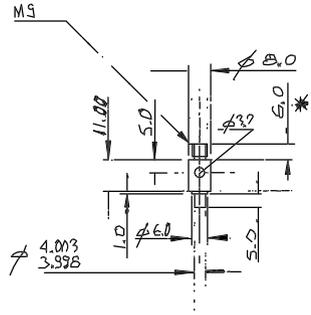


13 NUT		
MATERIAL M.S.	SCALE 1:1	TOLERANCES ± X 0.3 XX 0.3 XXX 0.1
FINISH CAD 2 PASS	NO REQ. PER UNIT 1	
D.W. No. W/GC/100	DRAWING No. R.G.O. W/GC/113	



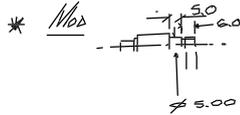
15 FOCUS SCREEN		
MATERIAL 13/323 S.S.S.T	SCALE 1:1	TOLERANCES ± X 0.3 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT 1	
D.W. No. W/GC/100	DRAWING No. R.G.O. W/GC/115	

Tolerances (Unless otherwise stated)								Material		Dimts in mm.		Scale		THIRD ANGLE PROJECTION		G.A. No.	
X ± XX ± XXX ±								Finish		Dwg. No.		No. Req.		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM SUSSEX.		This 15/5	
Issue								Used on						COLL. FOCUS DOVE DET.		Drawing No. W/GC/112-115	

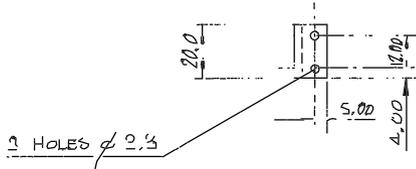
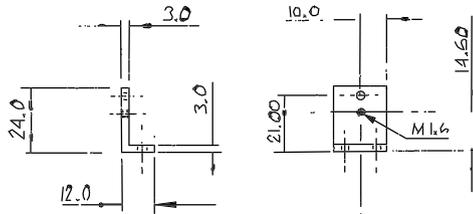
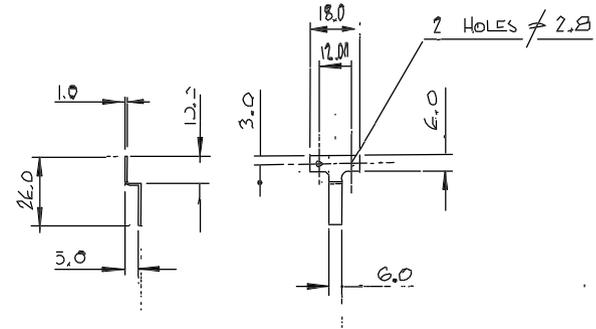


11  
17  
2  
12 8  
13  
14 5  
15  
16 9

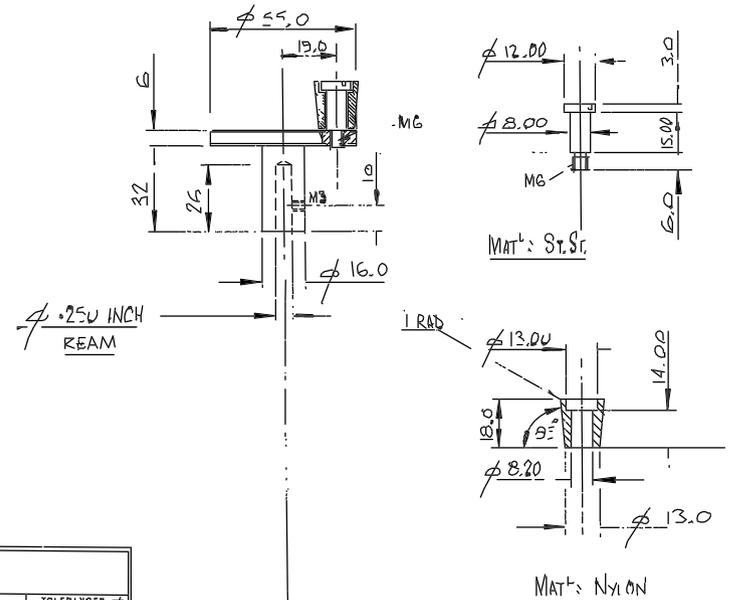
TITLE		
8 SPINDLE		
MATERIAL ST. B7S	SCALE 1/1	TOLERANCES ±
FINISH CLEAN	NO REQ. PER UNIT 1	X 0.5 XX 0.3 XXX 0.1
D.W. No. W/GC/100	DRAWING No. R.G.O. W/GC/108	



TITLE		
10 SWITCH FLAT		
MATERIAL ALUMINUM	SCALE 1/1	TOLERANCES ±
FINISH POL. ANODISE	NO REQ. PER UNIT 1	X 0.5 XX 0.3 XXX 0.1
D.W. No. W/GC/100	DRAWING No. R.G.O. W/GC/110	



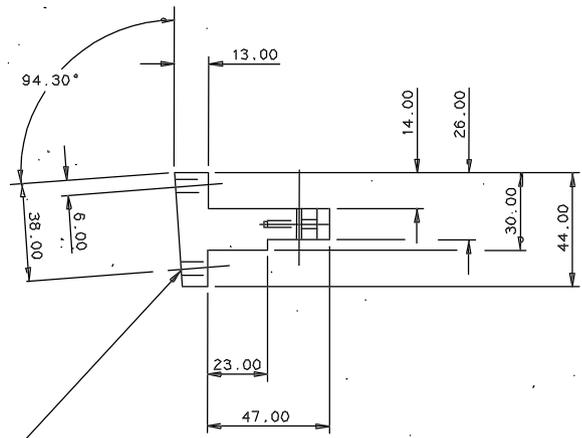
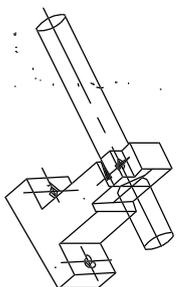
TITLE		
9 SWITCH BKT		
MATERIAL ALUMINUM	SCALE 1/1	TOLERANCES ±
FINISH BLK ANODISE	NO REQ. PER UNIT 2	X 0.5 XX 0.3 XXX 0.1
D.W. No. W/GC/100	DRAWING No. R.G.O. W/GC/109	



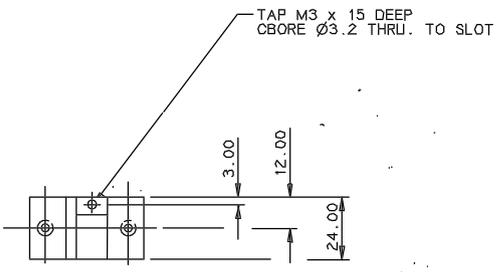
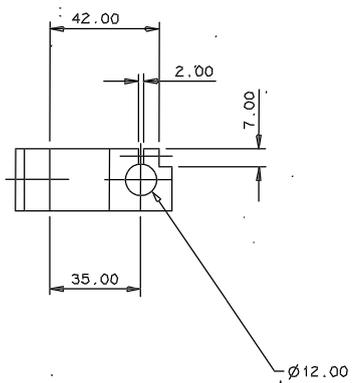
TITLE		
11 HANDWHEEL		
MATERIAL ALUMINUM	SCALE 1/1	TOLERANCES ±
FINISH ALK. ANODISE	NO REQ. PER UNIT 1	X 0.5 XX 0.3 XXX 0.1
D.W. No. W/GC/100	DRAWING No. R.G.O. W/GC/111	

Tolerances (Unless otherwise stated)				Material		Dimms in m.m.		Scale		THIRD ANGLE PROJECTION		Title		G.A. No.	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Drg. No.	No. Req.	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM	SUSSEX.	15/5		COLL. FOCUS DRIVE DETL.	
								Used on							W/GC/108-111

Drawing No.  
W/GC/121



2 x M6 THRU.

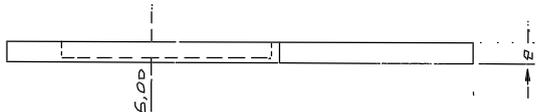
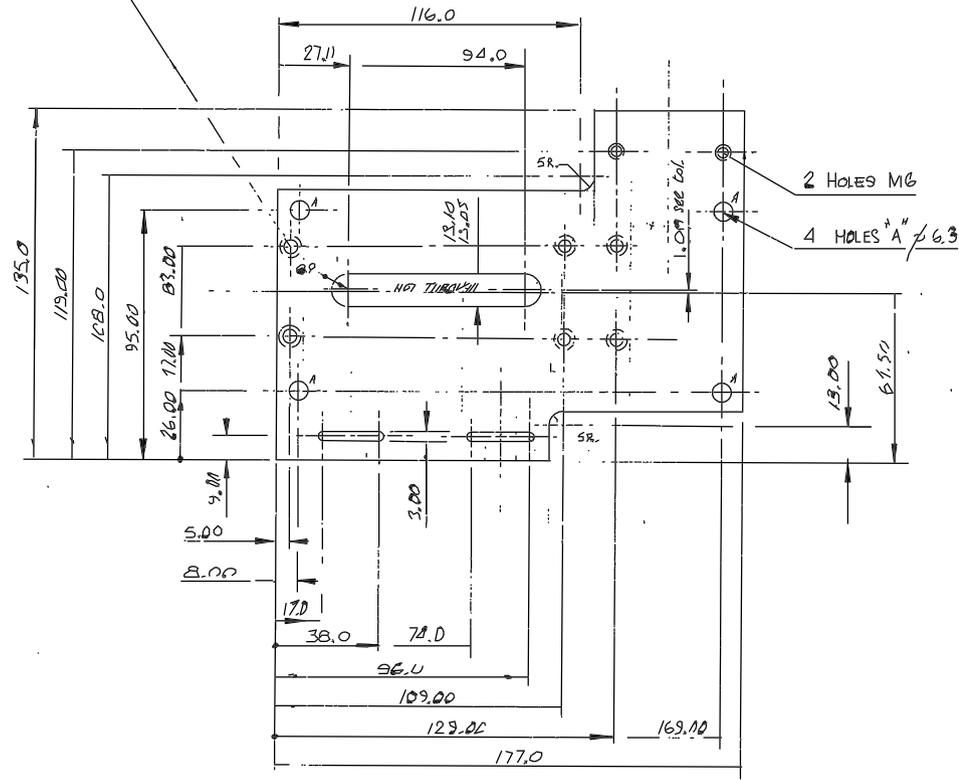


TITLE		DISC. REF.	
21 BRACKET LVDT			
MATERIAL	SCALE	TOLERANCES	
AL. ALLOY	1 : 1	X +/-	
FINISH	No. REQ. PER UNIT	X.X	
BLK. ANODISE	1 OFF	X.XX 0.1	
G.A. No.	DRAWING No.		
RG0	W/GC/121		

Tolerance (Unless otherwise stated)								Material		Dimns. in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No.	
X +/-								Finish		ROYAL GREENWICH OBSERVATORY		HERSTMONCEUX CASTLE		THIS 4.2m ISIS COLLIMATOR		Drawing No.	
X.X +/-								Drg. No.		HAILSHAM		SUSSEX		FOCUS DRIVE - DETAILS		W/GC/121	
X.XX +/-								Used on									

6 HOLES  $\phi 6.3$ , C/B ON U/SIDE

$\phi 5.0 \times 3$  DEEP.



TITLE MT4, PL.		
MATERIAL ALUMINIUM	SCALE 1:1	TOLERANCES $\pm$ X 0.5 XX 0.3 XXX 0.1
FINISH BKS ANODISE	NO REQ. PER UNIT 1	XXX 0.1
D.W. No. W/GC/100	DRAWING No. R.G.O. W/GC/103	

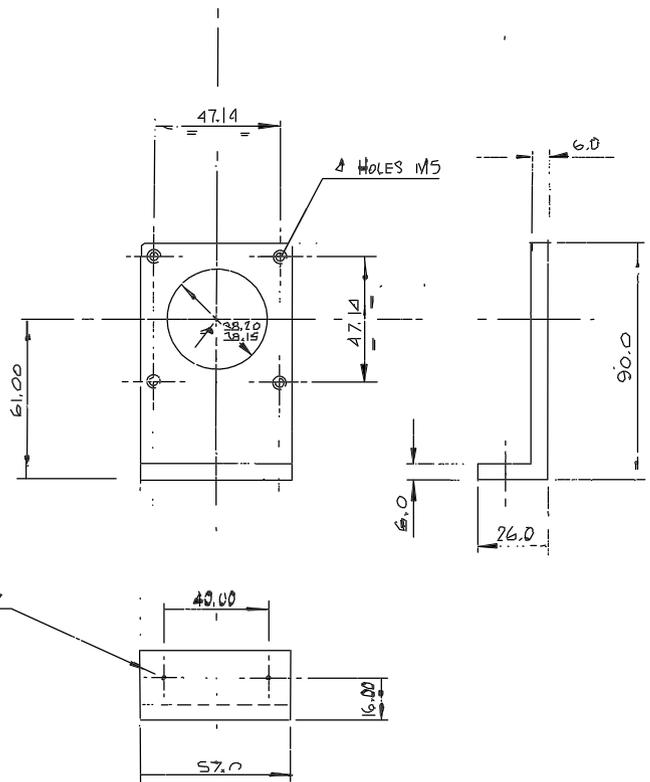
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By

Tolerances (Unless otherwise stated)  
X  $\pm$   
XX  $\pm$   
XXX  $\pm$

Material	
Finish	

2	MTOP	TITLE
MATERIAL	SCALE	TOLERANCES $\pm$
ALUMINIUM	1:1	X 0.5
FINISH	NO REQ. PER UNIT	XX 0.3
BKS ANODISE	1	XXX 0.1
D.W. No.	DRAWING No.	
W/GC/100	R.G.O. W/GC/102	

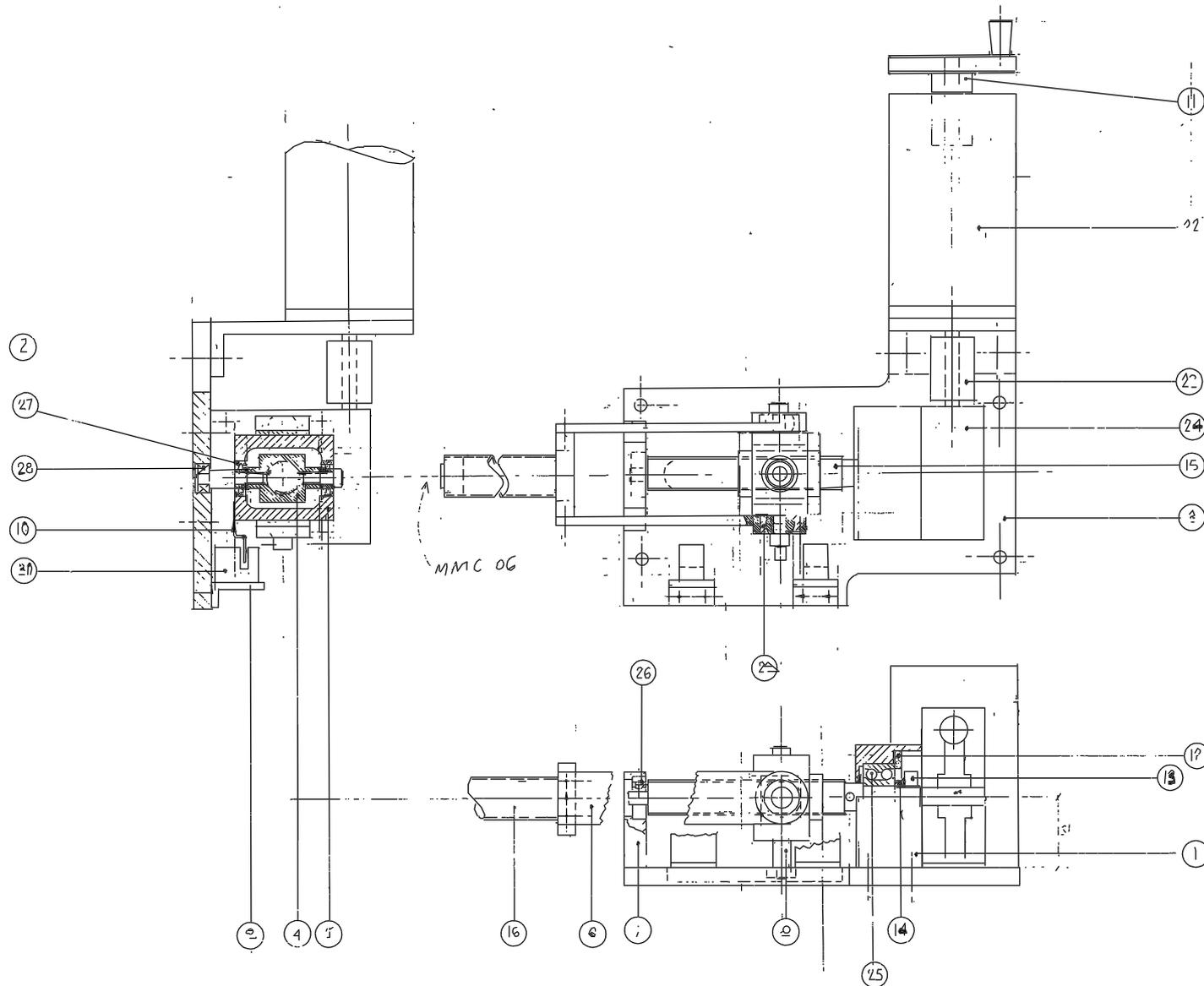
2 HOLES  $\phi 6.3$



Dim in m.m.	Scale
ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM	SUSSEX.

THIRD ANGLE PROJECTION	G.A. No.
Title 1513	Orig. ing. o.
COLL FOLDS DRIVE DET	W/GC/102-103





Notes

- ROSEJOINT M37 OG
- MOTOR BLO SYN M063-FC06E
- ROD ENDS ROSE MMC 06
- DOUBLE ROW ANGULAR COIST SKF 3200
- ESB SKF 624
- GEARBOY HPC P30-10
- SCREW 1mm PITCH 15 O.D.
- COUPLINE HELI-CAL WTC 25-C-10
- BALL RACE RMB RV 615 X
- BALL RACE RMB RV 516 X

Tolerances (Unless otherwise stated)						Material		Dimns in m.m.		Scale 1:1		THIRD ANGLE PROJECTION		G.A. No.	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Finish	Used on	Drig. No.	No. Rep.	Title 1:5, 1:5, 1:5		Drawing No.	
							C. WEST					COLLIMATOR FOCUS DRIVE		W/6C/100	

DRAWING NUMBER	No. of Sheets	C.A. Item No.	DRAWING TITLE OR COMPONENT NAME	No. of	MATERIAL STOCK OR ORDER No. AND DATE	REMARKS	ISSUE DATE	ISSUED TO	FINISH DATE
W/GC/101		1	BEARING BLOCK	1					
W/GC/102		2	MOTOR BKT	1					
W/GC/103		3	MIG. PL. (BLUE COLL.)	1		NOT REQ FOR RED COLL UNIT			
W/GC/104		4	NUT	1					
W/GC/105		5	GIMBLE	1					
W/GC/106		6	GIMBLE	2					
W/GC/107		7	BEARING HOUSING	1					
W/GC/108		8	SPINDLE	1					
W/GC/109		9	SWITCH BKT.	2					
W/GC/110		10	SWITCH FLAS						
W/GC/111		11	HANDWHEEL	1					
W/GC/112		12	RING	1					
W/GC/113		13	NUT	1					
W/GC/114		14	SPACER	1					
W/GC/115		15	SCREW	1					
W/GC/116		16	FOCUS ROD	1					
W/GC/117		17	MIG FLATE (RED COLL)	1		NOT REQ. FOR BLUE COLL. UNIT			
W/GC/118		18	TRANSDUCER MIG BKT	1					
W/GC/119		19	ANGLED SUPPORT - BLUE	2					
W/GC/120		20	ANGLED SUPPORT - RED	2					
W/GC/121		21	LYDT BRACKET	1					
/ /		22	MOTOR	1		SID SYN M062E			
/ /		23	COUPLING	1		HELICAL W7625-66			
/ /		24	GEARBOX	1		M2C P22-10			
/ /		25	BEARING	1		SKF 3200			
/ /		26	BEARING	1		RMB RV 516X			
/ /		27	BEARING	2		RMB RV 516X			
/ /		28	BEARING	1		SKF 624			
/ /		29	BEARING	2		ROSE M5T 06		*	
/ /		30	SWITCH	2		HEIT 511			
/ /									
/ /									
/ /									
/ /									
/ /									
/ /									
JOB TITLE					ASSY DRC. No.	SHEET No.	DRAWN BY		
1515 COLLIMATOR FOCUS DRIVE					W/GC/120		OATE		
ROYAL GREENWICH OBSERVATORY,					HERSTMONCEUX CASTLE,	HAILSHAM,	SUSSEX		