

PART VIEW IN DIRECTION OF ARROW A

NOTE: STRESS RELIEVE AT 650°C FOR 45Min COOL SLOWLY

								TOLERANCES UNLESS OTHERWISE STATED:		MATERIAL		DIM IN MM		SCALE FULL SIZE		THIRD ANGLE PROJECTION		GA. NO. V/BF/120	
								X +/- 2		MILD STEEL		ONE				TITLE		DRG NO. 1 OF 2 SHEETS	
								XX +/-		FINISH		DRG NO.		ROYAL GREENWICH OBSERVATORY		CAD NAME		42PRIMEB	
								XXX +/-		STRESS RELIEVE SEE NOTE		USED ON		HERSTMONCEUX CASTLE, HAILSHAM EAST SUSSEX		BASE FABRICATION (WELDMENT)		V/BF/122	
ISSUE	MOD. NO.	DATE	DRAWN BY	ISSUE	MOD. NO.	DATE	DRAWN BY												
								NOV90 BTH											

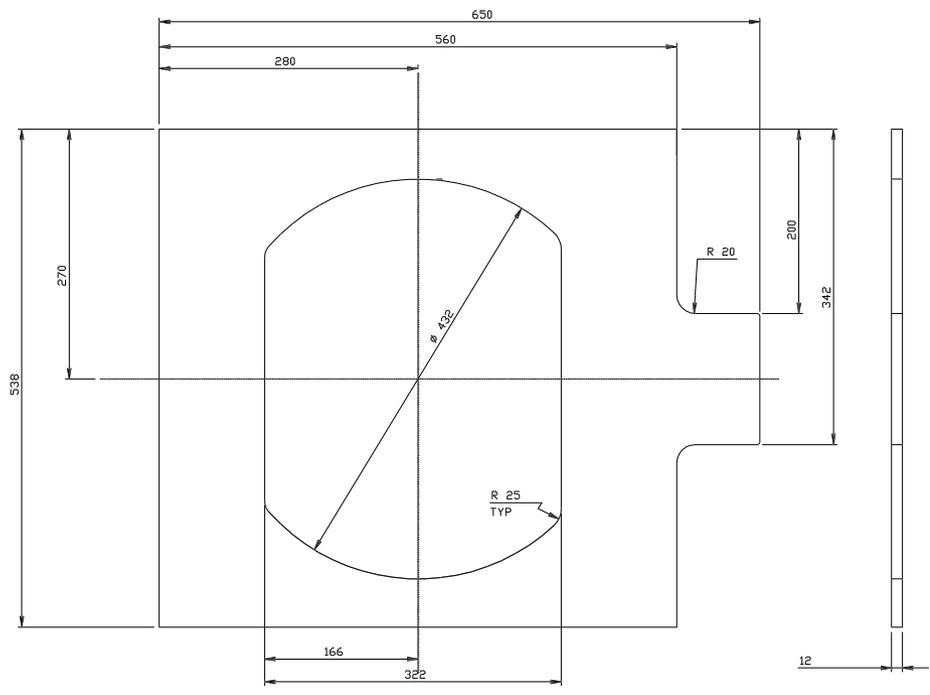
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W / BF / 151		1	BASE	1						
W / BF / 152		2	THRUST BEARING HOUSING	1						
W / BF / 153		3	NEEDLE BEARING HOUSING	1						
/ /										
W / BF / 155		5	THRUST BEARING RETAINER	1						
W / BF / 156		6	MOUNTING TABLE	1						
W / BF / 157		7	OPTICS HOUSING	1						
W / BF / 158		8	FIBRE BUNDLE HOUSING	1						
W / BF / 159		9	FIBRE BUNDLE CLAMP	1						
W / BF / 160		10	OPTICS CELL	1						
W / BF / 161		11	CCD HEAD SLIDE BASE	1						
W / BF / 162		12	HEAD SLIDE	1						
W / BF / 163		13	HEAD SLIDE - GIBBED	1						
W / BF / 164		14	GIB	1						
W / BF / 165		15	BASEPLATE	1						
/ /		16		1						
/ /		17		1						
/ /		18		1						
/ /		19		1						
/ /		20		1						
W / BF / 240		21	FILTERWHEEL ASSEMBLY	1						
W / BF / 166		22	FOCUS ADJUSTER	1						
W / BF / 167		23	ADJUSTER CLAMP	1						
/ /		24								
/ /		25								
/ /		26								
/ /		27								
/ /		28								
/ /		29								
/ /		30	STOP	1	No. 504-202	WDS LTD.				
/ /		31	THRUST BEARING	1	ZKLN 0624-2RS	INA LTD.				
/ /		32	NEEDLE BEARING	1	NK 6-10TN	INA LTD.				
/ /		33	LOCKNUT	1	ZM06	INA LTD.				
/ /		34	LINEAR BEARING TRACK	4	R3125	SCHNEEBERGER				
/ /		35	ROLLER CAGE	2	TYPE AC-SIZE 3-24	ROLLERS	SCHNEEBERGER			
/ /		36	SEALING RING	1	G6X12X2	INA LTD.				
/ /		37	ROLLER SCREW	1	RGT 8-2-100	INA LTD.				
/ /		38	ROLLER SCREW NUT	1	RGT 8-2-100	INA LTD.				
JOB TITLE	WHT PRIME FOCUS INSTRUMENT PLATFORM AUTOGUIDER FOCUS SLIDE ASSEMBLY					ASS'Y DRG No. W/BF/150	SHEET No. 10F2	DRAWN BY DATE JAN. 1993		
ROYAL GREENWICH OBSERVATORY, MADINGLEY ROAD, CAMBRIDGE										

DRAWING NUMBER	NO. OF SHEETS	GA ITEM NO.	DRAWING TITLE OR COMPONENT NAME	NO. OFF	MATERIAL STOCK OR ORDER No. AND DATE	REMARKS	ISSUE DATE	ISSUED TO	FINISH DATE	
W / BF / 171		1	HUB	1						
W / BF / 172		2	FILTER CELL	7						
W / BF / 173		3	SPINDLE	1						
W / BF / 174		4	DRIVE PLATE	1						
W / BF / 175		5	BEARING HOUSING	1						
W / BF / 176		6	SIDE PLATE	2						
W / BF / 177		7	TOP PLATE	1						
W / BF / 178		8	BASE	1						
W / BF / 186		9	DATUM SUPPORT	1						
W / BF /		10								
W / BF /		11								
/ /		12								
/ /		13								
/ /		14								
/ /		15								
/ /		16								
/ /		17								
W / BF / 188		18	FILTER BEZEL	7						
W / BF / 189		19	COUNTER WEIGHT	1						
W / BF / 190		20	SHOULDER SCREW	1						
W / BF / 191		21	DRIVE GEAR 20 TEETH	1	TYPE G 0.9-20	STEEL HPC LTD.				
W / BF / 192		22	DRIVE GEAR 140 TEETH	1	TYPE G 0.9-140	STEEL HPC LTD.				
W / BF / 193		23	DRIVE PIN	1						
W / BF / 194		24	BEARING KEEP	1						
/ /		25								
W / BF / 196		26	INSERT	7						
W / BF / 197		27	HANDLE	1						
W / BF / 220		28	DETENT ASSEMBLY	1						
/ /		29								
/ /		30								
/ /		31	BEARING ANGULAR CONTACT	2	TYPE 7201B	SKF LTD				
/ /		32	STEPPER MOTOR	1	TYPE VRDM60-566LN	BERGER-LAHR LTD.				
/ /		33	PROXIMITY SWITCH	1	RS 633-458					
/ /		34								
/ /		35								
/ /		36								
/ /		37								
/ /		38								
JOB TITLE	WHT PRIME FOCUS INSTRUMENT PLATFORM FILTERWHEEL ASSEMBLY					ASS'Y DRG No. V/BF/170	SHEET No.	DRAWN BY DATE AUG'93		
ROYAL GREENWICH OBSERVATORY, MADINGLEY ROAD, CAMBRIDGE										

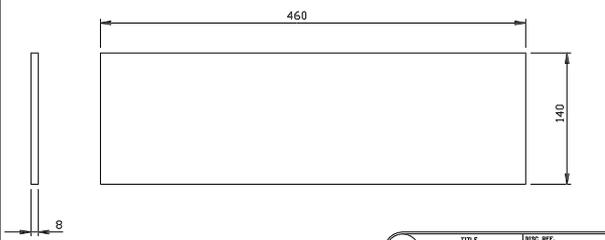
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/ /									
W / BF / 221		1	BASE	1		ISSUE B			
W / BF / 222		2	SLIDE	1		ISSUE B			
W / BF / 223		3	MOTOR MOUNT BRACKET	1		ISSUE B			
W / BF / 224		4	DRIVE BRACKET	1		ISSUE B			
W / BF / 225		5	NUT	1		ISSUE B			
W / BF / 226		6	LEAD SCREW	1		ISSUE B			
W / BF / 227		7	STOP	1		ISSUE B			
W / BF / 228		8	CATCH PAWL	1		ISSUE B			
W / BF / 229		9	SWITCH BRACKET	1		ISSUE B			
W / BF / 230		10	SWITCH BRACKET	1		ISSUE B			
W / BF / 231		11	SWITCH BRACKET	1		ISSUE B			
/ /									
/ /									
/ /									
/ /		15	LINEAR ACTUATOR	1	RS.318-711				
/ /		16	LINEAR BEARING	1 SET	R.2090	SCHNEEBERGER			
/ /		17	LIMIT SWITCH	3	RS.320-528				
/ /		18	SPRING	1	TO SUIT				
/ /									
/ /									
/ /									
/ /									
/ /									
/ /		25	SOCKET CAP SCREW M3X8	32	STEEL BLACK				
/ /		26	SOCKET CAP SCREW M3X10	2	STEEL BLACK				
/ /		27	SOCKET CAP SCREW M3X16	4	STEEL BLACK				
/ /		28	SOCKET CAP SCREW M4X12	4	STEEL BLACK				
/ /		29	HEX. HEAD SCREW M2X12	6	STEEL BLACK				
/ /		30	HEX. NUT M2	6	STEEL BLACK				
/ /		31	WASHER ϕ 3	8	STEEL BLACK				
/ /		32	ROLL PIN ϕ 1.5X12	1	STEEL				
/ /									
/ /									
/ /									
/ /									
/ /									
JOB TITLE	WHT PRIME FOCUS INSTRUMENT PLATFORM FILTERWHEEL DETENT ASSEMBLY					ASS'Y DRG No. W/BF/220	SHEET No. 1OF1	DRAWN BY DATE JAN. 1993	
ROYAL GREENWICH OBSERVATORY, MADINGLEY ROAD, CAMBRIDGE									

DRAWING NUMBER	No. OF SHEETS	GA ITEM No.	DRAWING TITLE OR COMPONENT NAME	No. OFF	MATERIAL STOCK OR ORDER No. AND DATE	REMARKS	ISSUE DATE	ISSUED TO	FINISH DATE	
W / BF / 241		1	BASE	1						
W / BF / 242		2	MOTOR MOUNTING PLATE	1						
W / BF / 243		3	PACKER	1						
W / BF / 244		4	FILTERWHEEL	1						
W / BF / 245		5	SPUR GEAR 72 TEETH	1	STEEL PG 0.5-72	HPC LTD.				
W / BF / 246		6	SPUR GEAR 24 TEETH	1	STEEL G 0.5-24	HPC LTD.				
W / BF / 247		7	STUB SHAFT	1						
W / BF / 248		8	WASHER	2						
W / BF / 249		9	GEAR SHAFT	1						
W / BF / 250		10	WASHER	1						
W / BF / 251		11	LEVER BRACKET	1						
W / BF / 252		12	LEVER ARM	1						
W / BF / 253		13	PIVOT PIN	1						
W / BF / 254		14	ROLLER	1						
W / BF / 255		15	ROLLER PIN	1						
W / BF / 256		16	SPRING POST	1						
/ /		17								
/ /		18								
/ /		19	CIRCLIP	1	DIN.471-5X0.6	ANDERTON LTD.				
/ /		20	STEPPER MOTOR	1	RDM 544/100A	BERGER-LAHR LTD.				
/ /		21	FLEXIBLE COUPLING	1	BFC-12	HPC LTD.				
/ /		22	NEEDLE BEARING	1	HK 0812-2RS	INA LTD.				
/ /		23	OILITE BEARING	1	AMC0508X12L					
/ /		24	EXTENSION SPRING	1	MF4405	FLEXO				
/ /		25	CIRCLIP	1	DIN.471-8X0.8	ANDERTON LTD.				
/ /		26	HEX. NUT M3	2	STEEL BLACK					
/ /		27	SOCKET CAP SCREW M2X10	3	STEEL BLACK					
/ /		28	SOCKET CAP SCREW M3X8	2	STEEL BLACK					
/ /		29	SOCKET CAP SCREW M4X12	4	STEEL BLACK					
/ /		30	SOCKET CAP SCREW M5X20	4	STEEL BLACK					
/ /		31	SOCKET GRUB SCREW M2X3	2	STEEL BLACK					
/ /		32	ROLL PIN ϕ 1.5X6	1	STEEL					
/ /		33	ROLL PIN ϕ 1.0X12	4	STEEL					
/ /		34	ROLL PIN ϕ 1.5X20	1	STEEL					
/ /		35								
/ /		36								
/ /		37								
/ /		38								
JOB TITLE	WHT PRIME FOCUS INSTRUMENT PLATFORM AUTOGUIDER FILTERWHEEL ASSEMBLY					ASS'Y DRG No. W/BF/240	SHEET No. 10F1	DRAWN BY DATE JAN. 1993		
ROYAL GREENWICH OBSERVATORY, MADINGLEY ROAD, CAMBRIDGE										

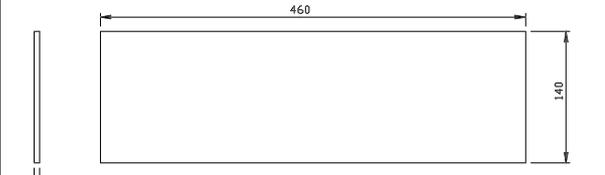
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V / BF / 270	1	-	GENERAL ASSEMBLY							
W / BF / 271	1	1	PROBE SLIDE BODY	1						
W / BF / 272	1	2	PROBE CELL HOLDER	1						
W / BF / 273	1	3	MIRROR HOUSING	1						
/ BF / 274		4	NUT PLATE	1						
/ BF / 275		5	SLEEVE	1						
/ BF / 276		6	BALL SCREW (B/O PART MODIFIED)	1	THK MINIATURE 0802218L FROM UNIMATIC LTD.					
/ BF / 277		7	MOTOR PLATE	1						
/ BF / 278		8	ENCODER BRACKET	1						
/ BF / 279		9	ENCODER BRACKET	1						
/ BF / 280		10	PACKER	1						
V / BF / 124	1	11	X SLIDE BASE	1				EXISTING		
W / BF / 125	1	12	X SLIDE MOTOR MOUNT	1				EXISTING		
/ BF / 126		13	X SLIDE THRUST BEARING HOUSING	1				EXISTING		
/ BF / 127		14	X SLIDE BEARING RETAINING PLATE	2				EXISTING		
/ BF / 128		15	X SLIDE BEARING HOUSING	1				EXISTING		
W / BF / 129	1	16	X-Y SLIDE INTERFACE	1				EXISTING		
W / BF / 130	1	17	X-Y SLIDE MOTOR MOUNT	1				EXISTING		
/ BF / 131		18	X-Y SLIDE THRUST BEARING HOUSING	1				EXISTING		
/ BF / 132		19	X-Y SLIDE BEARING HOUSING	1				EXISTING		
/ BF / 133		20	X-Y SLIDE NUT RETAINING PLATE	2				EXISTING		
W / BF / 137	1	21	PROBE MOUNT - Y SLIDE	1				EXISTING		
W / BF / 141	1	22	OPTICS CELL	1				EXISTING		
/ BF / 142		23	45° MIRROR	1				EXISTING		
W / BF / 261	1	24	ENCODER SUPPORT ARM	1				EXISTING		
/ BF / 262		25	ENCODER SUPPORT	1				EXISTING		
/ BF / 265		26	ENCODER SUPPORT	1				EXISTING		
W / BF / 145		27	LIMIT SW. BRACKET	1						
W / BF / 146		28	LIMIT SW. SUPPORT FOCUS	2						
W / BF / 144		29	LIMIT SW. PLATE	4						
/ /		30	STEPPER MOTOR WITH BRAKE	2	VRDM60-564LN	BERGER-LAHR		EXISTING		
/ /		31	PROXIMITY SWITCH	3	RS 633-458					
/ /		32	COUPLING	2	PANAMEC BC 24	HPC LTD		EXISTING		
/ /		33	RECIRCULATING LINEAR BEARING	2	SR 3075	SCHNEEBERGER		EXISTING		
/ /		34	LINEAR TRACK	2	R 3200	SCHNEEBERGER		EXISTING		
/ /		35	LINEAR TRACK	4	R 3075	SCHNEEBERGER		EXISTING		
/ /		36	ROLLER CAGE	2	TYPE AC SIZE 3-14	ROLLERS SCHNEEBERGER		EXISTING		
/ /		37	ROLLER SCREW	1	RGT 8-2-50	INA LTD		EXISTING		
JOB TITLE	MOTORISED PROBE OPTICS CELL ASSEMBLY FOR WHT PRIME FOCUS INSTRUMENT PLATFORM					ASS'Y DRG No. V/BF/270	SHEET No. 1 OF 2	DRAWN BY PROMECH DATE 4/5/93		
ROYAL GREENWICH OBSERVATORY, MADINGLEY ROAD, CAMBRIDGE										



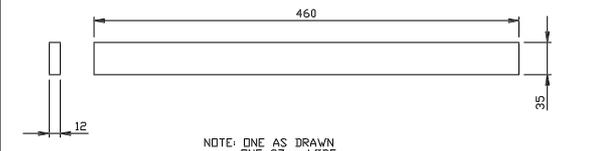
TITLE		DISC REF.	
1 BASE PLATE			
MATERIAL	SCALE	TOLERANCES ±	
MILD STEEL	1:2	±	1.0
FINISH	NO. REFERRED UNIT	±	0.25
CLEAN	ONE	±	xxx
GA. NO.	DRIVING NO.	DRAWING NO.	
V/BF/122	RGD V/BF/122/1	V/BF/122/1	



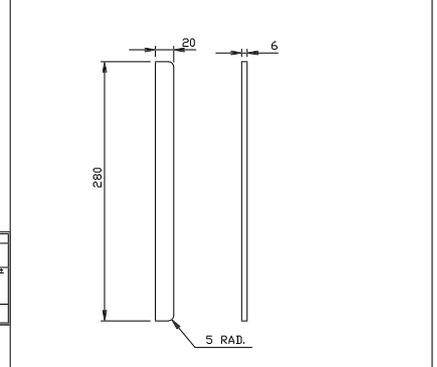
TITLE		DISC REF.	
2 SIDE PLATE A			
MATERIAL	SCALE	TOLERANCES ±	
MILD STEEL	1:2	±	1.0
FINISH	NO. REFERRED UNIT	±	0.25
CLEAN	ONE	±	xxx
GA. NO.	DRIVING NO.	DRAWING NO.	
V/BF/122	RGD V/BF/122	V/BF/122	



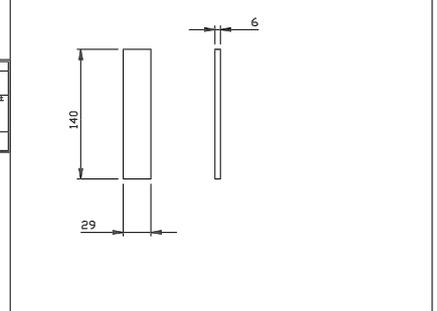
TITLE		DISC REF.	
3 SIDE PLATE B			
MATERIAL	SCALE	TOLERANCES ±	
MILD STEEL	1:2	±	1.0
FINISH	NO. REFERRED UNIT	±	0.25
CLEAN	ONE	±	xxx
GA. NO.	DRIVING NO.	DRAWING NO.	
V/BF/122	RGD V/BF/122/3	V/BF/122/3	



TITLE		DISC REF.	
4 TOP PLATE			
MATERIAL	SCALE	TOLERANCES ±	
MILD STEEL	1:2	±	1.0
FINISH	NO. REFERRED UNIT	±	0.25
CLEAN	SEE NOTE	±	xxx
GA. NO.	DRIVING NO.	DRAWING NO.	
V/BF/122	RGD V/BF/122/4	V/BF/122/4	

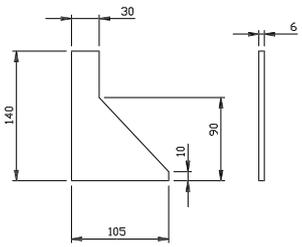


TITLE		DISC REF.	
5 STIFFENING PLATE			
MATERIAL	SCALE	TOLERANCES ±	
MILD STEEL	1:2	±	1.0
FINISH	NO. REFERRED UNIT	±	0.25
CLEAN	ONE	±	xxx
GA. NO.	DRIVING NO.	DRAWING NO.	
V/BF/122	RGD V/BF/122/5	V/BF/122/5	

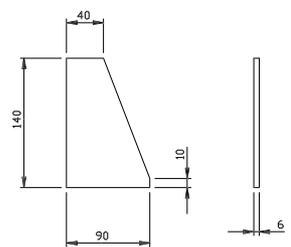


TITLE		DISC REF.	
6 END PLATE			
MATERIAL	SCALE	TOLERANCES ±	
MILD STEEL	1:2	±	1.0
FINISH	NO. REFERRED UNIT	±	0.5
CLEAN	TWO	±	xxx
GA. NO.	DRIVING NO.	DRAWING NO.	
V/BF/122	RGD V/BF/122/6	V/BF/122/6	

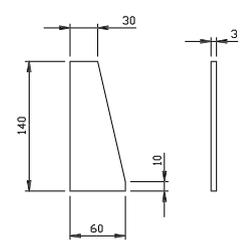
NOTE: ONE AS DRAWN
ONE 37mm WIDE



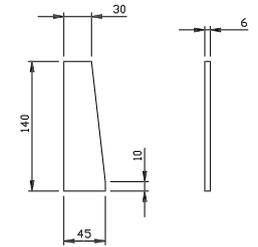
TITLE		DISC REF.	
7 GUSSET A			
MATERIAL	SCALE	TOLERANCES ±	
MILD STEEL	1:2	±	0.5
FINISH	NO. REFERRED UNIT	±	xxx
CLEAN	TWO	±	xxx
GA. NO.	DRIVING NO.	DRAWING NO.	
V/BF/122	RGD V/BF/122/7	V/BF/122/7	



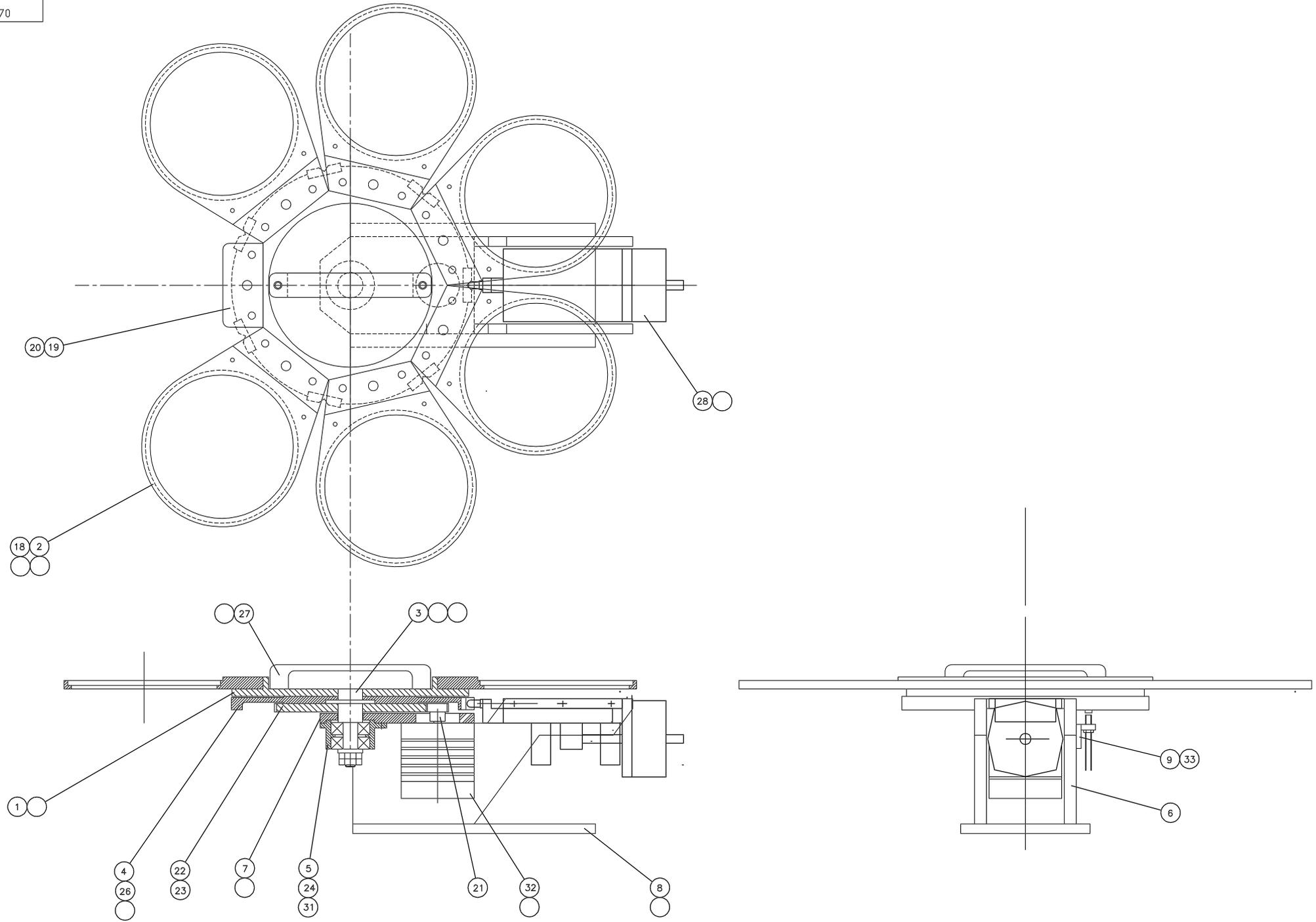
TITLE		DISC REF.	
8 END PLATE B			
MATERIAL	SCALE	TOLERANCES ±	
MILD STEEL	1:2	±	0.5
FINISH	NO. REFERRED UNIT	±	xxx
CLEAN	TWO	±	xxx
GA. NO.	DRIVING NO.	DRAWING NO.	
V/BF/122	RGD V/BF/122/8	V/BF/122/8	



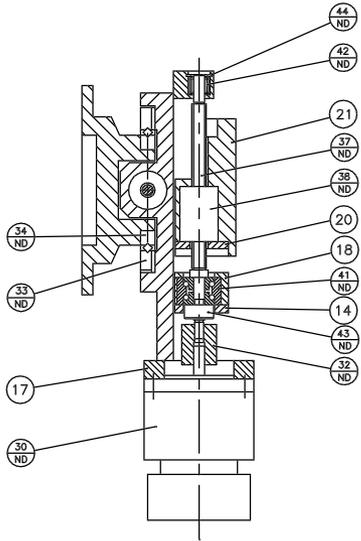
TITLE		DISC REF.	
9 WEB A			
MATERIAL	SCALE	TOLERANCES ±	
MILD STEEL	1:2	±	0.5
FINISH	NO. REFERRED UNIT	±	xxx
CLEAN	TWO	±	xxx
GA. NO.	DRIVING NO.	DRAWING NO.	
V/BF/122	RGD V/BF/122/9	V/BF/122/9	



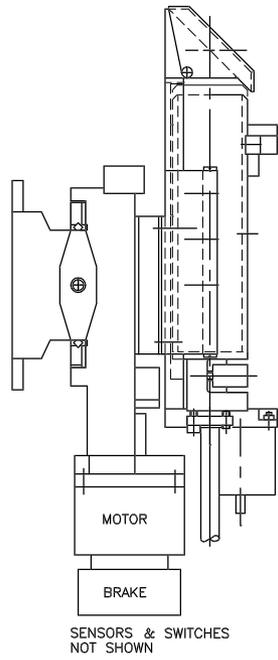
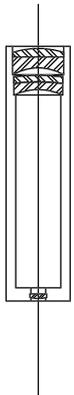
TITLE		DISC REF.	
10 WEB B			
MATERIAL	SCALE	TOLERANCES ±	
MILD STEEL	1:2	±	0.5
FINISH	NO. REFERRED UNIT	±	xxx
CLEAN	TWO	±	xxx
GA. NO.	DRIVING NO.	DRAWING NO.	
V/BF/122	RGD V/BF/122/10	V/BF/122/10	



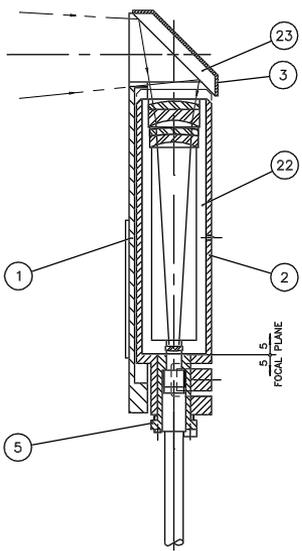
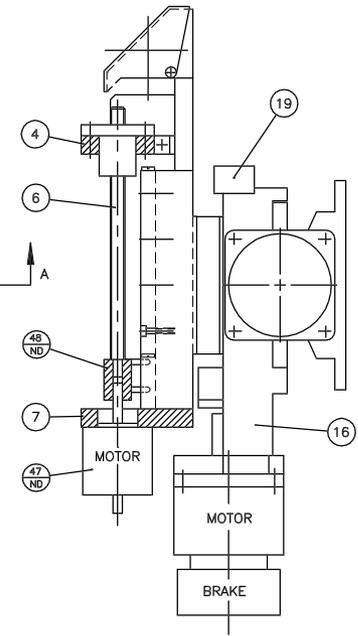
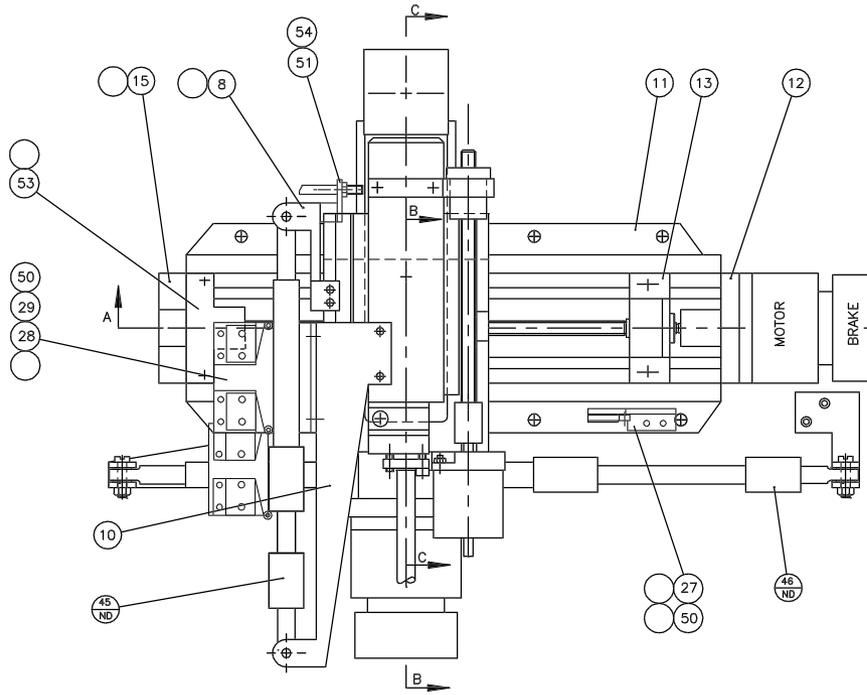
								TOLERANCES UNLESS OTHERWISE STATED		MATERIAL		DIM IN MM		SCALE		THIRD ANGLE PROJECTION		GA. NO.	
								X +/-		FINISH		ROYAL GREENWICH OBSERVATORY MADINGLEY ROAD CAMBRIDGE CB3 0EZ				TITLE		DRG NO.	
								XXX +/-		USED ON		DRG NO.		NO REQ		WHT PRIME FOCUS INSTRUMENT PLATFORM MAIN FILTERWHEEL ASSEMBLY		V/BF/170	
ISSUE	MOD. NO.	DATE	DRAWN BY	ISSUE	MOD. NO.	DATE	DRAWN BY												
						AUG'93	RHA												



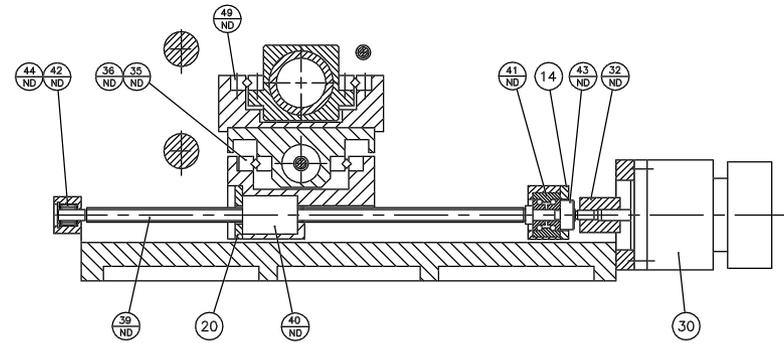
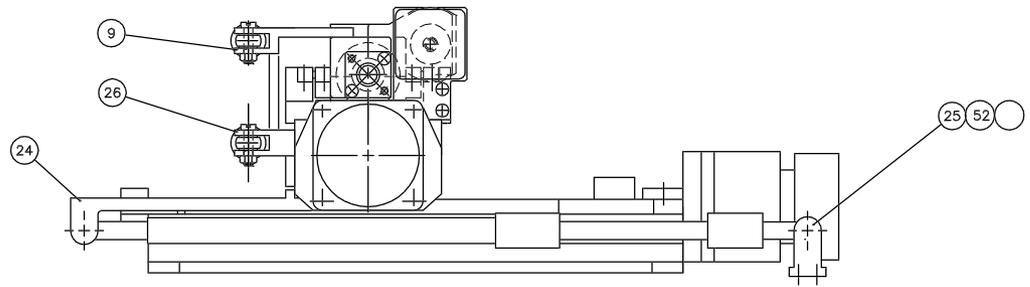
PART SECTION B-B
THRO' DRIVE ONLY



SENSORS & SWITCHES
NOT SHOWN



SECTION C-C
THRO' OPTICS ONLY

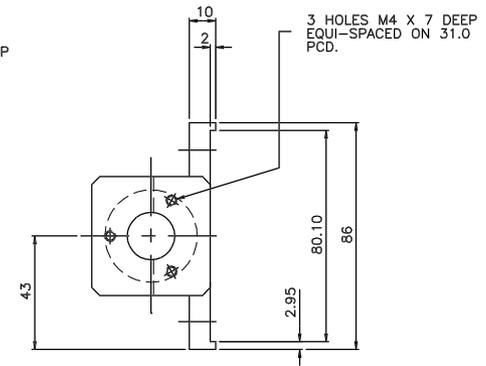
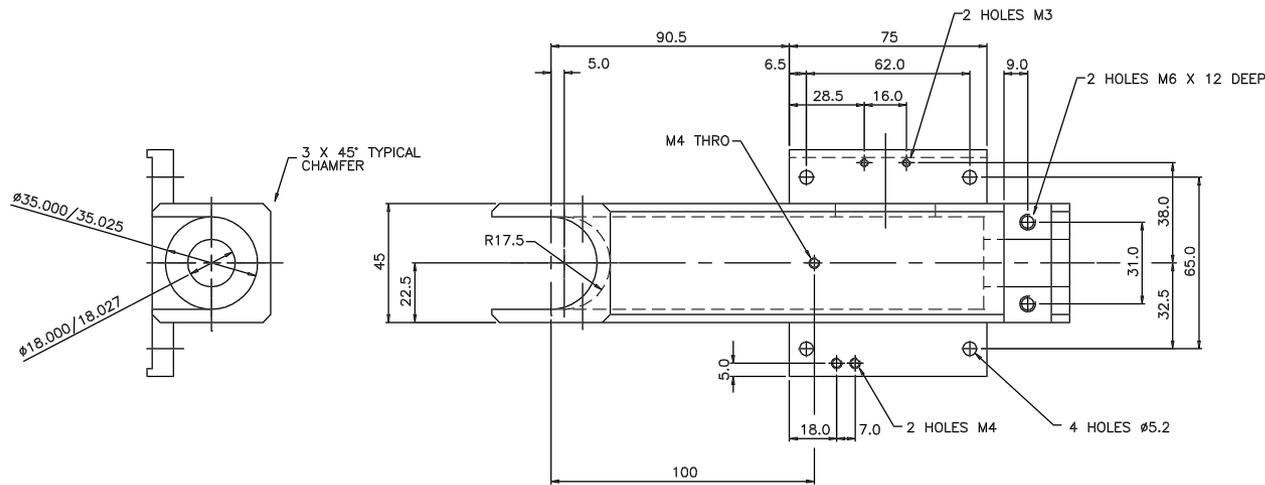
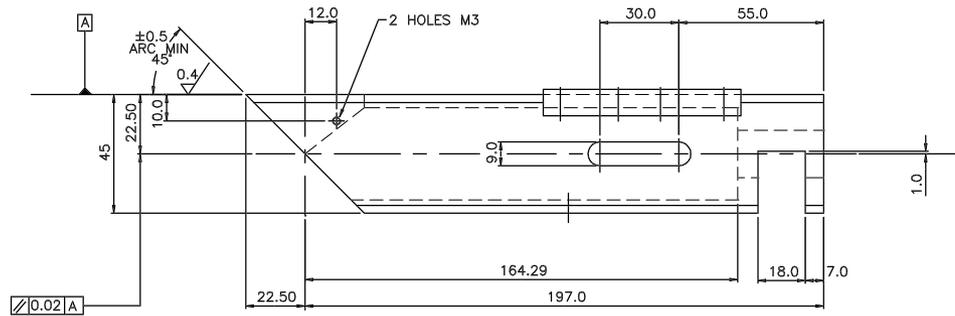


SECTION A-A

NOTE THIS G.A. REPLACES V/BF/123

								TOLERANCES (UNLESS OTHERWISE STATED)		MATERIAL		DIM IN MM		SCALE		THIRD ANGLE PROJECTION		G.A. NO. SH1 1 OF 1	
								X +/-				ROYAL GREENWICH OBSERVATORY		TITLE		DRG NO.			
				4/5/93				FINISH		DRG NO. NO REQ		MADINGLEY ROAD		MOTORISED PROBE OPTICS CELL ASSEMBLY FOR		V/BF/270			
ISSUE MOD. NO. DATE DRAWN BY				ISSUE MOD. NO. DATE DRAWN BY				ANG +/-		USED ON		CAMBRIDGE CB3 0EZ		WHT PRIME FOCUS INSTRUMENT PLATFORM		FILE VBF270			

REMOVE ALL SHARP EDGES

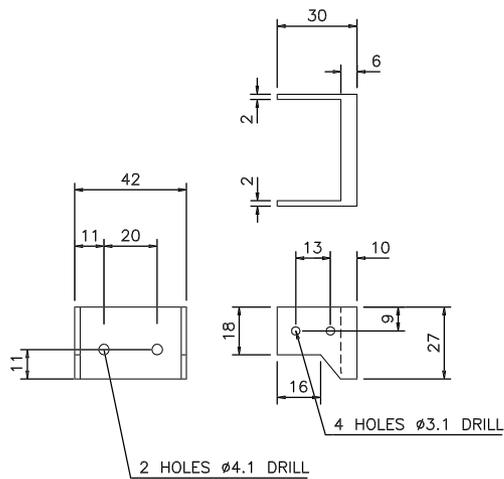


MACHINE $\sqrt{1.6}$ ALL OVER EXCEPT WHERE STATED OTHERWISE

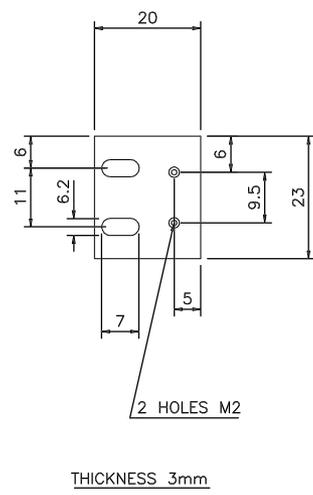
(16) TITLE PROBE BODY		
MATERIAL AL.6082.TF	SCALE FULL	TOLERANCES x ±0.5 x.x ±0.3 x.xx ±0.1
FINISH BLK ANODISE	No. RECD. PER UNIT 1	
GA. No. V/BF/123	R.G.O. W/BF/138	DRIVING No. ISS A

				Tolerance (Unless otherwise stated)		Material		Dimns.in m.m.		Scale 1:1		THIRD ANGLE PROJECTION		GA No. V/BF/123	
				X +/-								Title		Drawing No.	
				X.X +/-		Finish		Drg.No.				ROYAL GREENWICH OBSERVATORY		AUTOGUIDER PROBE BODY	
				X.XX +/-				Used on				MADINGLEY ROAD		W/BF/138	
				ANG. +/-								CAMBRIDGE CB3 0EZ		FILE WBF138A	
Issue	Mod.No	Date	Drawn by	Issue	Mod.No	Date	Drawn by								
			A			18/3/93	PROMECH								

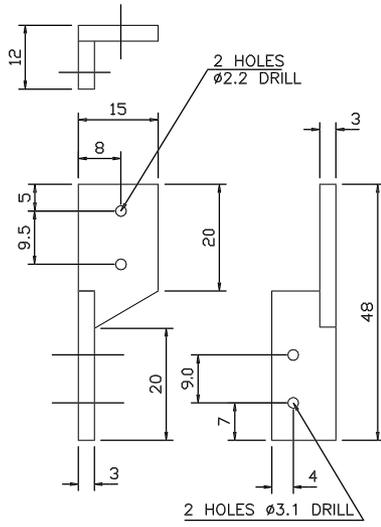
Drawing No.
W



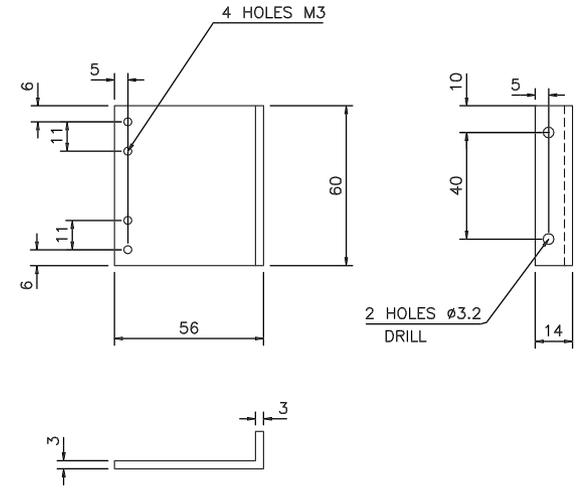
TITLE		DISC. REF.
CABLE CARRIER CLIP		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	1 : 1	x 0.3 xx 0.1 xxx
FINISH	No. REQD. PER UNIT	
BLACK ANODISE	ONE	
G.A. No.	DRAWING No.	
	RGD W/BF/143	



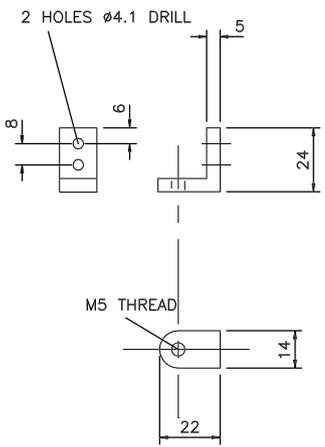
TITLE		DISC. REF.
LIMIT SWITCH PLATE		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	2 : 1	x 0.3 xx 0.1 xxx
FINISH	No. REQD. PER UNIT	
BLACK ANODISE	TWO	
G.A. No.	DRAWING No.	
	RGD W/BF/144	



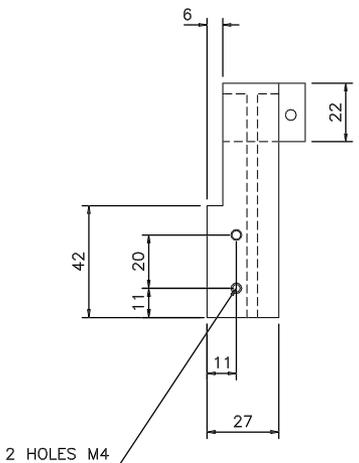
TITLE		DISC. REF.
LIMIT SWITCH BRACKET		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	2 : 1	x 0.3 xx 0.1 xxx
FINISH	No. REQD. PER UNIT	
BLACK ANODISE	ONE	
G.A. No.	DRAWING No.	
	RGD W/BF/145	



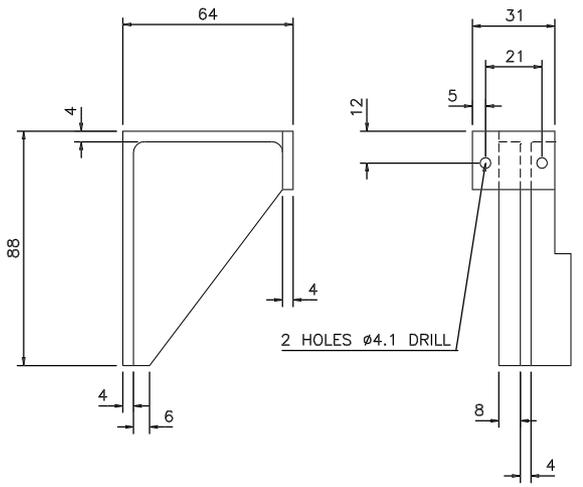
TITLE		DISC. REF.
LIMIT SWITCH SUPPORT		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	1 : 1	x 0.3 xx 0.1 xxx
FINISH	No. REQD. PER UNIT	
BLACK ANODISE	ONE	
G.A. No.	DRAWING No.	
	RGD W/BF/146	



TITLE		DISC. REF.
DATUM SWITCH TARGET		
MATERIAL	SCALE	TOLERANCES ±
STEEL	1 : 1	x 0.3 xx 0.1 xxx
FINISH	No. REQD. PER UNIT	
BLACK	ONE	
G.A. No.	DRAWING No.	
	RGD W/BF/148	

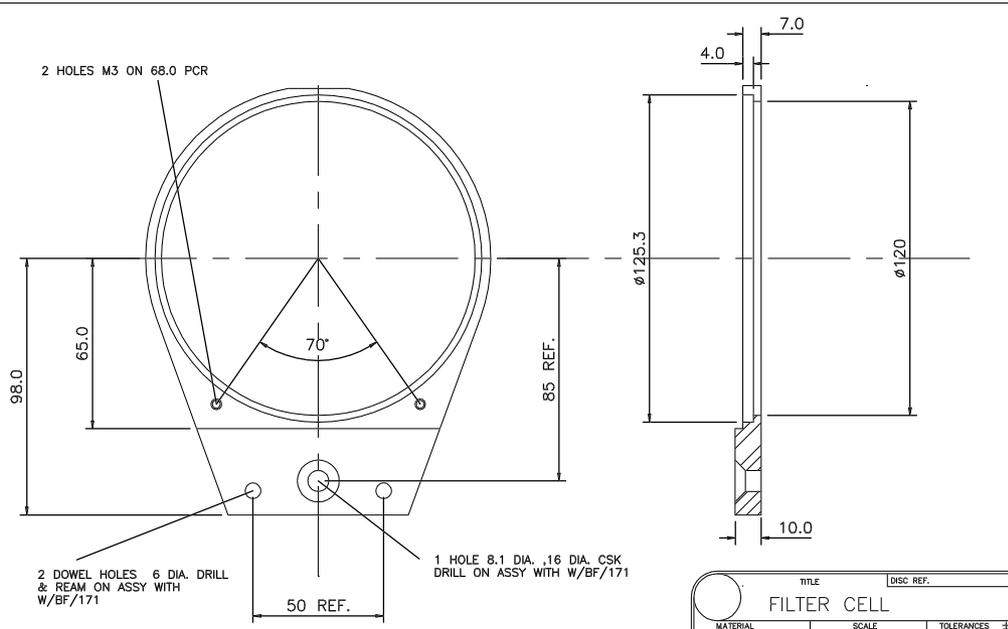
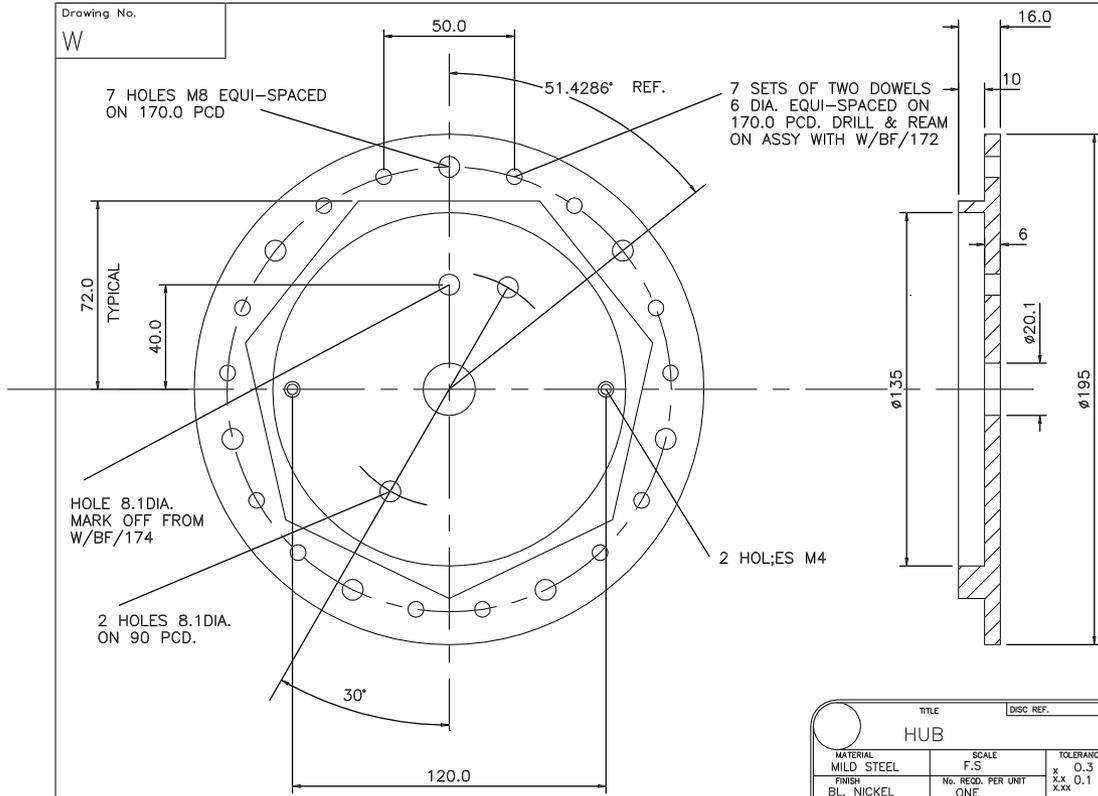


TITLE		DISC. REF.
CABLE CARRIER BRACKET		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	1 : 1	x 0.3 xx 0.1 xxx
FINISH	No. REQD. PER UNIT	
BLACK ANODISE	ONE	
G.A. No.	DRAWING No.	
	RGD W/BF/149	



TITLE		DISC. REF.
CABLE CARRIER CLIP		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	1 : 1	x 0.3 xx 0.1 xxx
FINISH	No. REQD. PER UNIT	
BLACK ANODISE	ONE	
G.A. No.	DRAWING No.	
	RGD W/BF/143	

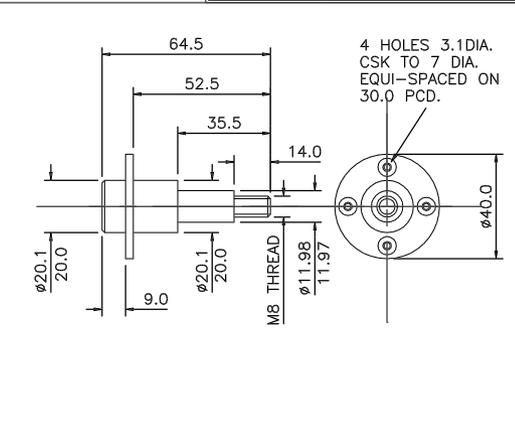
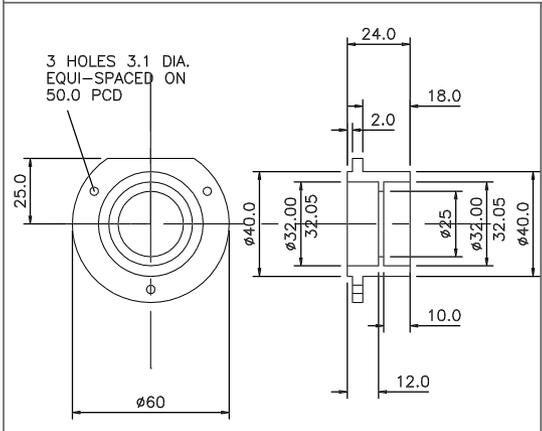
Drawing No.
W



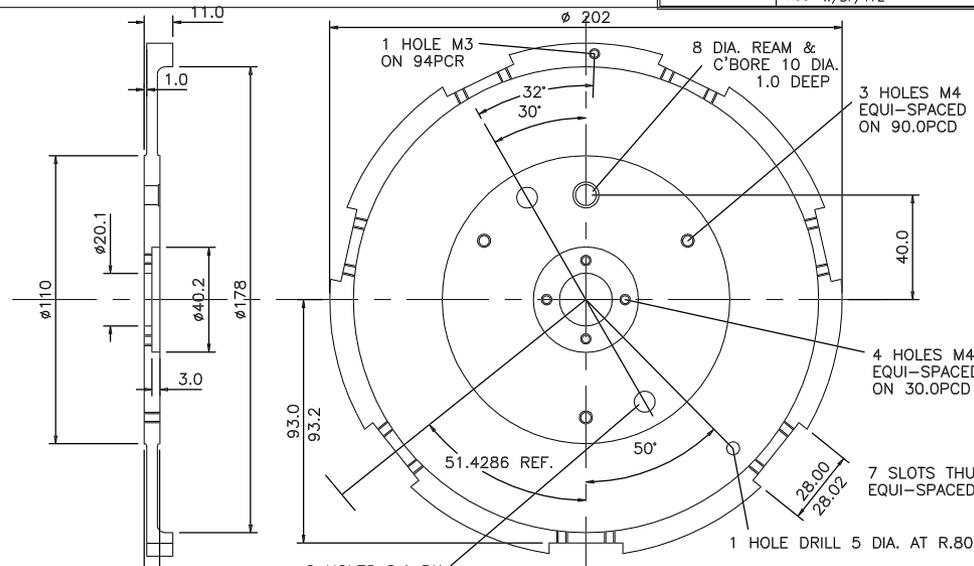
TITLE		DISC REF.
FILTER CELL		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	F.S.	x 0.3
FINISH	No. REQD. PER UNIT	x.x 0.1
BLACK ANODISE	SEVEN	x.xx 0.1
G.A. No.	DRAWING No.	
	RGO W/BF/172	

NOTE. MARK FILTER CELL AND ITS POSITION ON HUB AFTER ASSEMBLY

TITLE		DISC REF.
HUB		
MATERIAL	SCALE	TOLERANCES ±
MILD STEEL	F.S.	x 0.3
FINISH	No. REQD. PER UNIT	x.x 0.1
BL. NICKEL	ONE	x.xx 0.1
G.A. No.	DRAWING No.	
	RGO W/BF/171	



TITLE		DISC REF.
SPINDLE		
MATERIAL	SCALE	TOLERANCES ±
M.STEEL	F.S.	x 0.3
FINISH	No. REQD. PER UNIT	x.x 0.1
BLK NICKEL	ONE	x.xx 0.1
G.A. No.	DRAWING No.	
	RGO W/BF/173	



TITLE		DISC REF.
DRIVE PLATE		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	F.S.	x 0.3
FINISH	No. REQD. PER UNIT	x.x 0.1
BLACK ANODISE	ONE	x.xx 0.1
G.A. No.	DRAWING No.	
	RGO W/BF/174	

TITLE		DISC REF.
BEARING HOUSING		
MATERIAL	SCALE	TOLERANCES ±
BRASS	F.S.	x 0.3
FINISH	No. REQD. PER UNIT	x.x 0.2
	ONE	x.xx 0.1
G.A. No.	DRAWING No.	
	RGO W/BF/175	

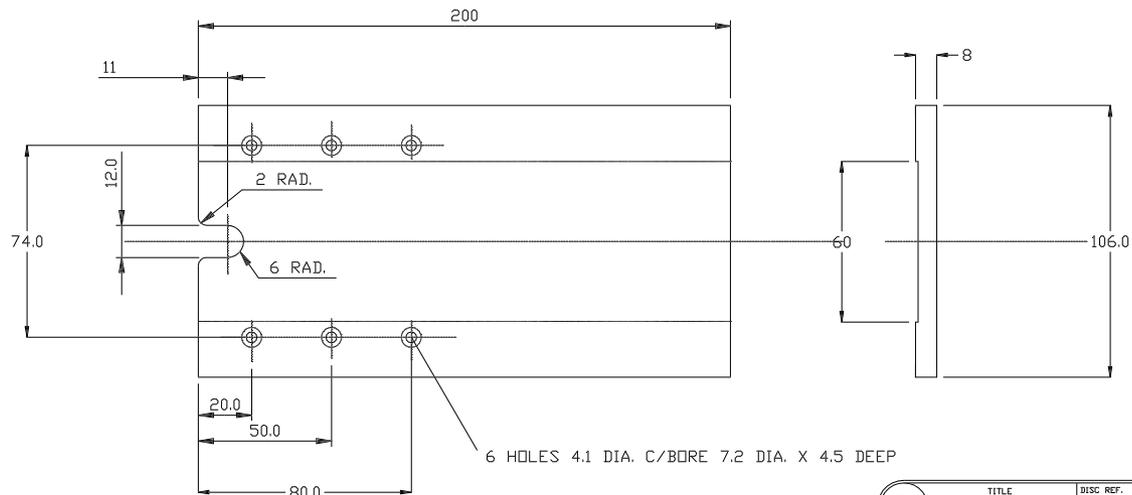
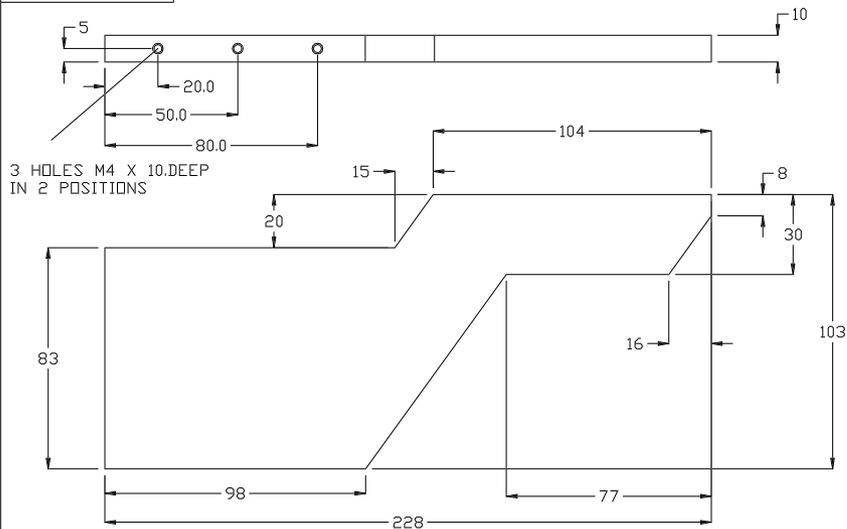
Issue	Mod.No	Date	Drawn by	Issue	Mod.No	Date	Drawn by
						25/8/92	RHA

Tolerance (Unless otherwise stated)	Material
x +/-	
x.x +/-	
x.xx +/-	
ANG. +/-	

Dimns.in m.m.	Scale
ROYAL GREENWICH OBSERVATORY	
MADINGLEY ROAD	
CAMBRIDGE CB3 0EZ	

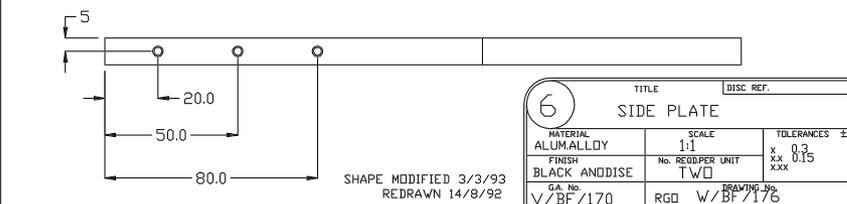
THIRD ANGLE PROJECTION	
DRG.No.	No.Req.
Title WHT PRIME FOCUS INSTRUMENT PLATFORM FILTERWHEEL DETAILS	

G.A. No.	Drawing No.
	W/BF/171-175

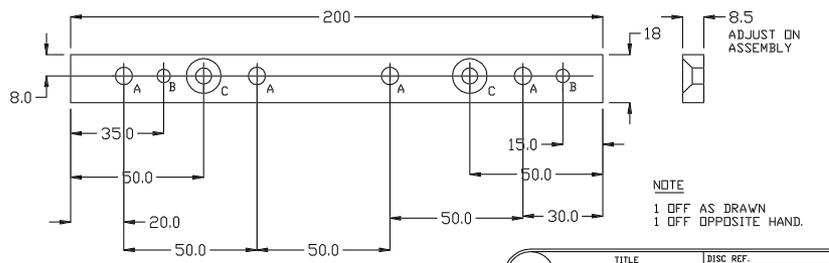


MODIFIED 14/8/92
106.0 WAS 102 74.0 WAS 72.0
4.1 DIA WAS 3.1 M10 HOLE DELETED
CHAMFERED EDGES DELETED

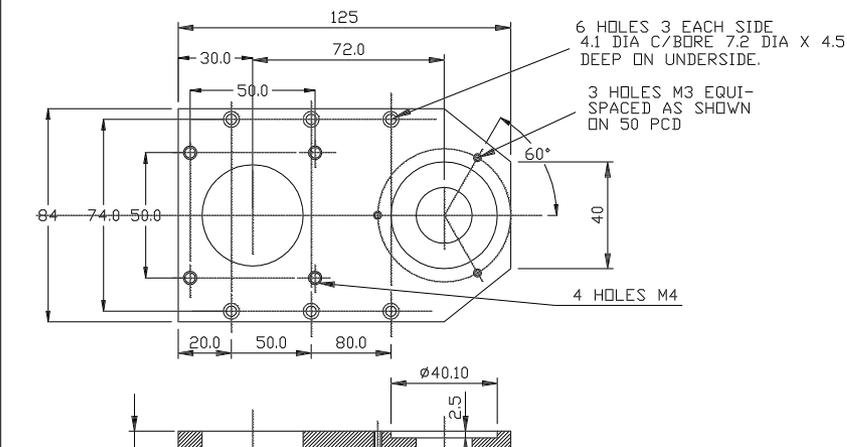
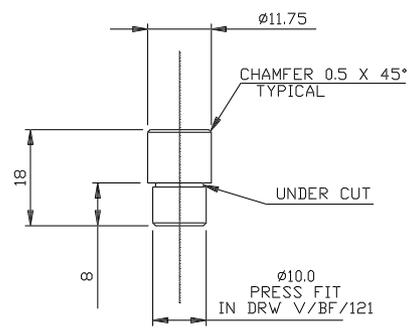
8		TITLE	DISC REF.
ALUM. ALLOY		SCALE	TOLERANCES ±
FINISH		No. RECD/PER UNIT	X 0.3 XX 0.15 XXX
BLACK ANODISE		ONE	
GA. No.	DRAWING No.		
RGD	W/BF/178		



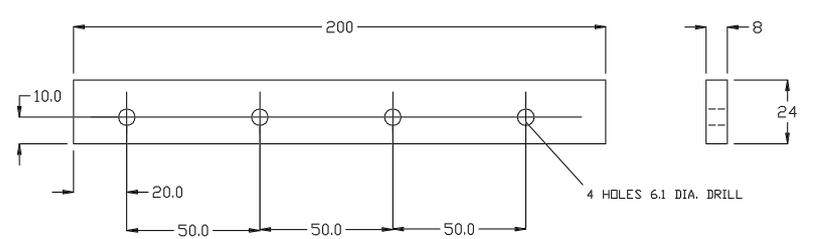
6		TITLE	DISC REF.
ALUM. ALLOY		SCALE	TOLERANCES ±
FINISH		No. RECD/PER UNIT	X 0.3 XX 0.15 XXX
BLACK ANODISE		TWO	
GA. No.	DRAWING No.		
V/BF/170	RGD W/BF/176		



LOCATING STRIP		TITLE	DISC REF.
ALUM. ALLOY		F.S.	TOLERANCES ±
FINISH		No. RECD/PER UNIT	X 0.3 XX 0.15 XXX
BLACK ANODISE		SEE NOTE	
GA. No.	DRAWING No.		
RGD	W/BF/179		



7		TITLE	DISC REF.
ALUM. ALLOY		SCALE	TOLERANCES ±
FINISH		No. RECD/PER UNIT	X 0.3 XX 0.15 XXX
BLACK ANODISE		ONE	
GA. No.	DRAWING No.		
V/BF/170	RGD W/BF/177		



CLAMP STRIP		TITLE	DISC REF.
ALUM. ALLOY		F.S.	TOLERANCES ±
FINISH		No. RECD/PER UNIT	X 0.3 XX 0.15 XXX
BLACK ANODISE		2 OFF	
GA. No.	DRAWING No.		
RGD	W/BF/181		

STOP PIN		TITLE	DISC REF.
M.S.		SCALE	TOLERANCES ±
FINISH		No. RECD/PER UNIT	X 0.3 XX 0.15 XXX
BL. NICKEL		ONE	
GA. No.	DRAWING No.		
RGD	W/BF/180		

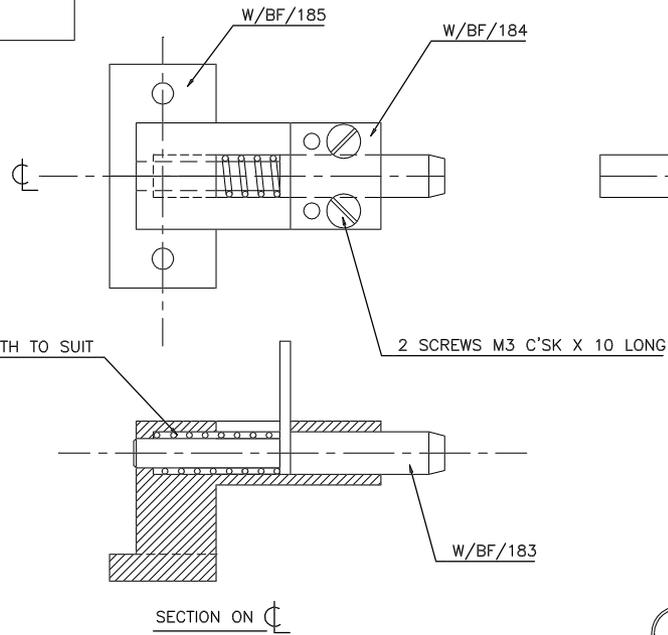
14/8/92 MODIFIED
50.0 WAS 47.14
36 DIA WAS 38.15
30.0 WAS 28.0
74.0 WAS 72.0

Issue	ModNo	Date	Drawn by	Issue	ModNo	Date	Drawn by

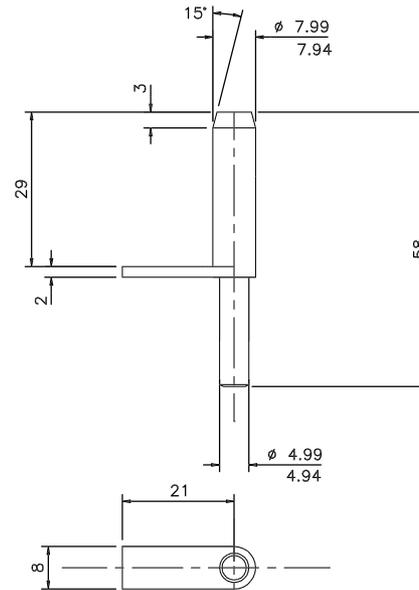
Material	Binns in m.m.	Scale	THIRD ANGLE PROJECTION
Finish	Dwg.No.	No. Req.	ROYAL GREENWICH OBSERVATORY HERSTMONCEUX CASTLE HAILSHAM SUSSEX
	Used on		Title
			WHT PRIME FOCUS INSTRUMENT PLATFORM FILTERWHEEL DETAILS

GA. No.	Drawing No.
	W/BF/176-181

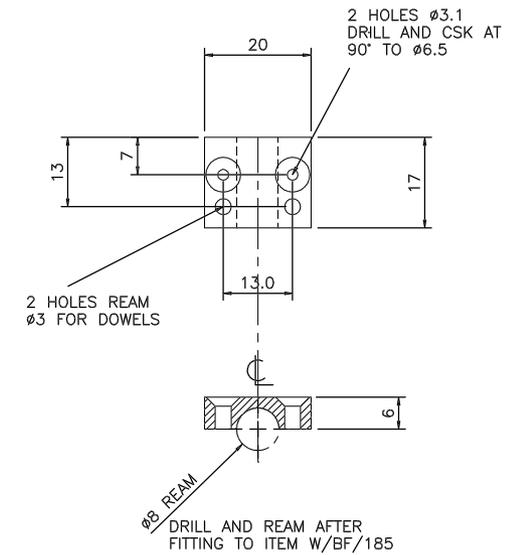
Drawing No. W



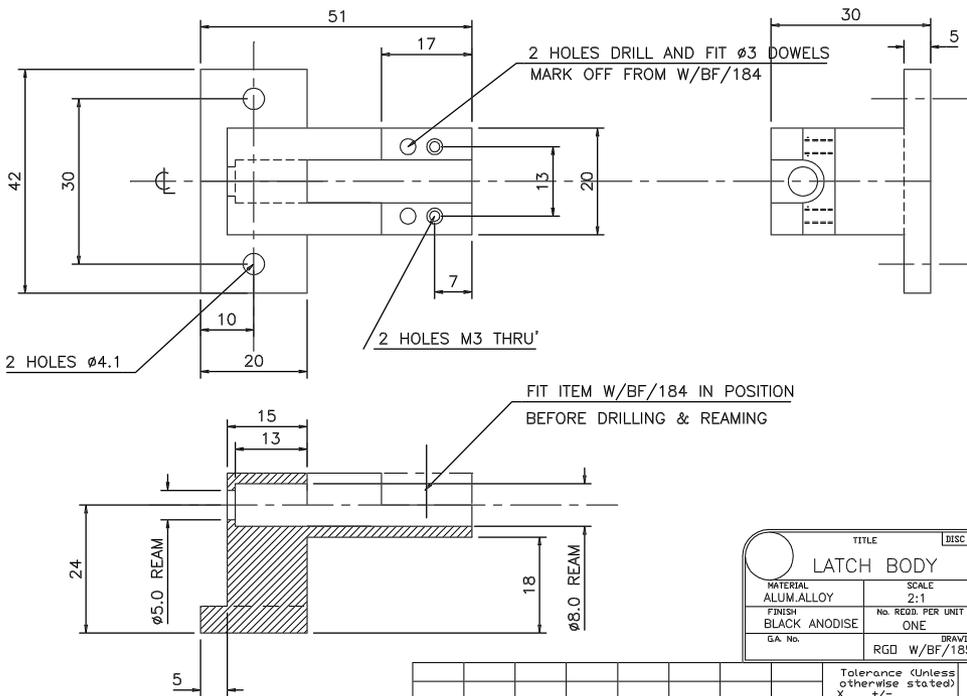
TITLE		DISC REF.
LATCH ASSEMBLY		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	2:1	X XX XXX
FINISH	No. REQD. PER UNIT	X XX XXX
BLACK ANODISE	ONE	0.3
GA. No.	RGD W/BF/182	DRAWING No.



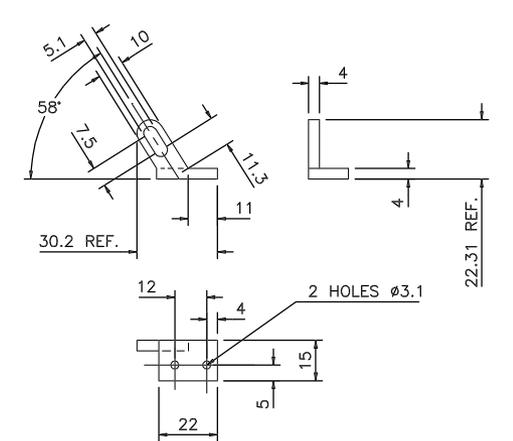
TITLE		DISC REF.
LATCH PIN		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	2:1	X XX XXX
FINISH	No. REQD. PER UNIT	X XX XXX
BLACK ANODISE	ONE	0.3
GA. No.	RGD W/BF/183	DRAWING No.



TITLE		DISC REF.
PIN RETAINER		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	2:1	X XX XXX
FINISH	No. REQD. PER UNIT	X XX XXX
BLACK ANODISE	ONE	0.3
GA. No.	RGD W/BF/184	DRAWING No.

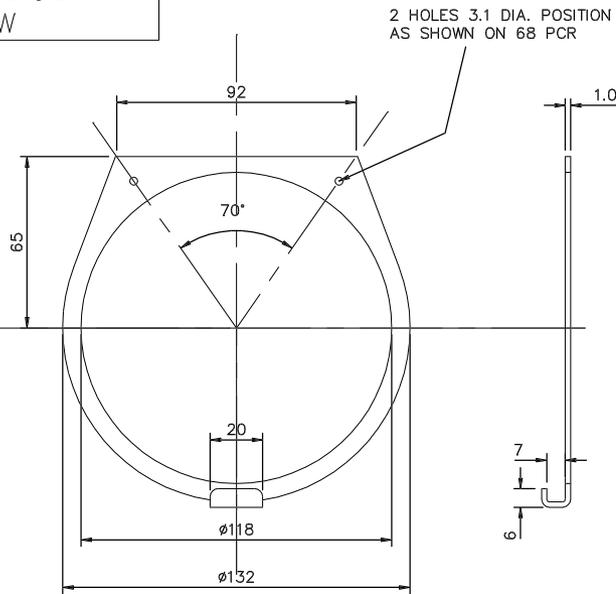


TITLE		DISC REF.
LATCH BODY		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	2:1	X XX XXX
FINISH	No. REQD. PER UNIT	X XX XXX
BLACK ANODISE	ONE	0.3
GA. No.	RGD W/BF/185	DRAWING No.



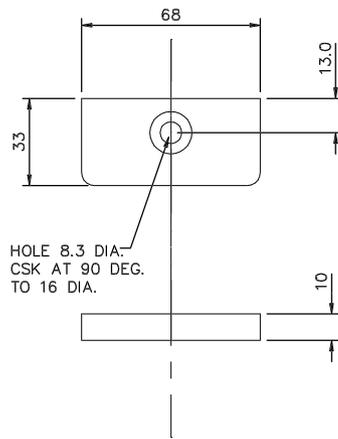
TITLE		DISC REF.
DATUM SUPPORT		
MATERIAL	SCALE	TOLERANCES ±
ALUM.ALLOY	1:1	X XX XXX
FINISH	No. REQD. PER UNIT	X XX XXX
BLACK ANODISE	ONE	0.3
GA. No.	RGD W/BF/186	DRAWING No.

Drawing No.
W



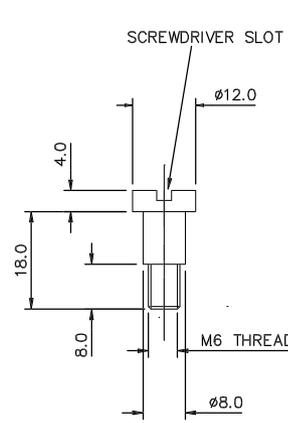
NOTE.
MACHINE TO SHAPE BEFORE
BENDING AND PLATING BLACK
NICKEL.

TITLE		DISC. REF.	
FILTER BEZEL			
MATERIAL	SCALE	TOLERANCES ±	
BRASS	F.S.	X 0.3	
FINISH	No. REQD. PER UNIT	X.X X.XX	
SEE NOTE	SEVEN		
G.A. No.	DRAWING No.		
	RG0 W/BF/188		



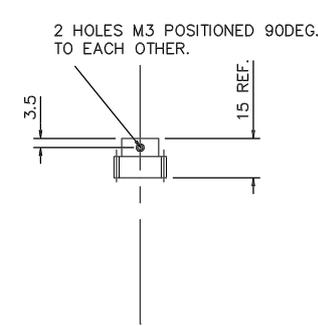
HOLE 8.3 DIA.
CSK AT 90 DEG.
TO 16 DIA.

TITLE		DISC. REF.	
COUNTERWEIGHT			
MATERIAL	SCALE	TOLERANCES ±	
LEAD	F.S.	X 0.5	
FINISH	No. REQD. PER UNIT	X.X X.XX	
	ONE		
G.A. No.	DRAWING No.		
	RG0 W/BF/189		



SCREWDRIIVER SLOT
Ø12.0
4.0
18.0
8.0
M6 THREAD
Ø8.0

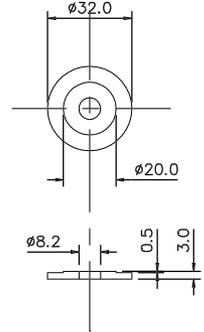
TITLE		DISC. REF.	
SHOULDER SCREW			
MATERIAL	SCALE	TOLERANCES ±	
MILD STL.	2:1	X 0.2	
FINISH	No. REQD. PER UNIT	X.X X.XX	
BLK. NICKEL	ONE		
G.A. No.	DRAWING No.		
	RG0 W/BF/190		



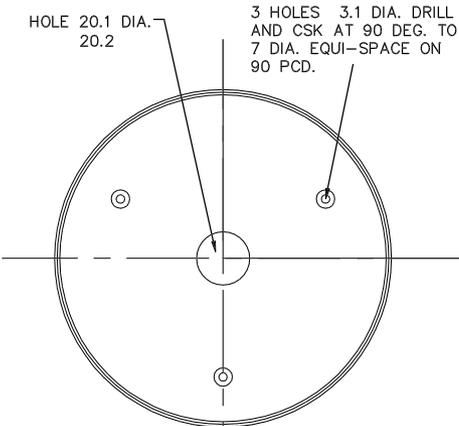
GEAR OBTAINABLE FROM: -
HPC GEARS LTD
PART No. G.O.9-20

PCD 18.0mm
MODULE 0.9
No. TEETH 20
BORE 6.0mm

TITLE		DISC. REF.	
DRIVE GEAR			
MATERIAL	SCALE	TOLERANCES ±	
MILD STL.	F.S.	X 0.2	
FINISH	No. REQD. PER UNIT	X.X X.XX	
BLK. NICKEL	ONE		
G.A. No.	DRAWING No.		
	RG0 W/BF/191		



TITLE		DISC. REF.	
BEARING RACE			
MATERIAL	SCALE	TOLERANCES ±	
BRASS	F.S.	X 0.1	
FINISH	No. REQD. PER UNIT	X.X X.XX	
BLK NICKEL	ONE		
G.A. No.	DRAWING No.		
	RG0 W/BF/194		

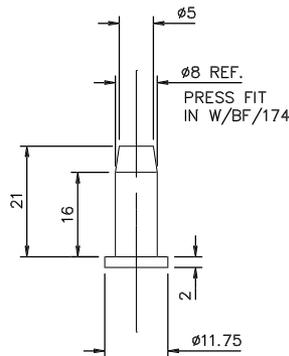


GEAR OBTAINABLE FROM
HPC LTD.
PART No. PG 0.9-140

PCD 126.0
MODULE 0.9
No. TEETH 140
BORE 10mm
THICKNESS 8mm

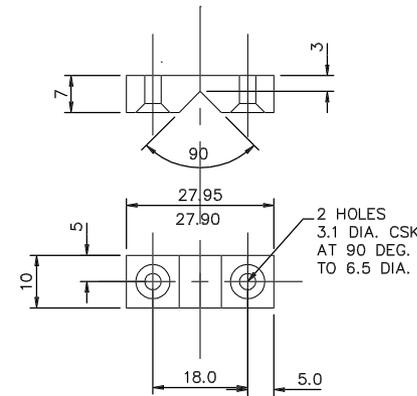
TITLE		DISC. REF.	
DRIVEN GEAR			
MATERIAL	SCALE	TOLERANCES ±	
STEEL	F.S.	X 0.3	
FINISH	No. REQD. PER UNIT	X.X X.XX	
BLK NICKEL	ONE		
G.A. No.	DRAWING No.		
	RG0 W/BF/192		

Issue	Mod.No	Date	Drawn by



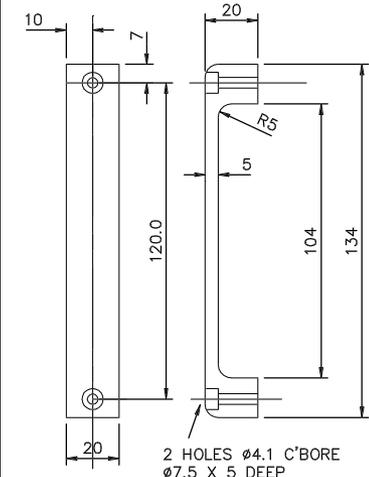
TITLE		DISC. REF.	
DRIVE PIN			
MATERIAL	SCALE	TOLERANCES ±	
ST. STEEL	2:1	X 0.2	
FINISH	No. REQD. PER UNIT	X.X X.XX	
	ONE		
G.A. No.	DRAWING No.		
	RG0 W/BF/193		

Material	Dimns.in m.m.	Scale



TITLE		DISC. REF.	
INSERT			
MATERIAL	SCALE	TOLERANCES ±	
ST. STEEL	2:1	X 0.1	
FINISH	No. REQD. PER UNIT	X.X X.XX	
BLK NICKEL	SEVEN		
G.A. No.	DRAWING No.		
	RG0 W/BF/196		

Material	Dimns.in m.m.	Scale



TITLE		DISC. REF.	
HANDLE			
MATERIAL	SCALE	TOLERANCES ±	
ALUM. ALLOY	F.S.	X 0.3	
FINISH	No. REQD. PER UNIT	X.X X.XX	
BLK ANODISE	ONE		
G.A. No.	DRAWING No.		
	RG0 W/BF/197		

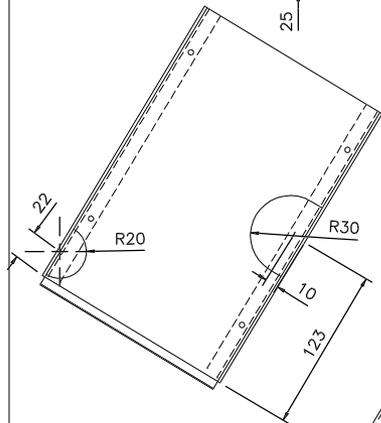
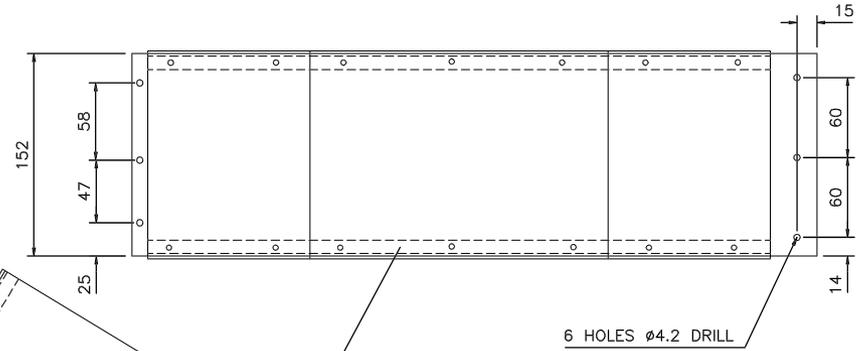
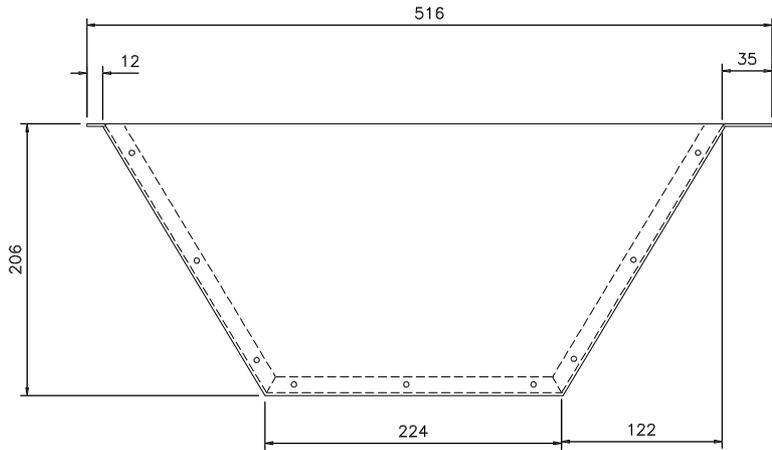
Material	Dimns.in m.m.	Scale

THIRD ANGLE PROJECTION
Title WHT PRIME FOCUS INSTRUMENT PLATFORM
FILTERWHEEL DETAILS

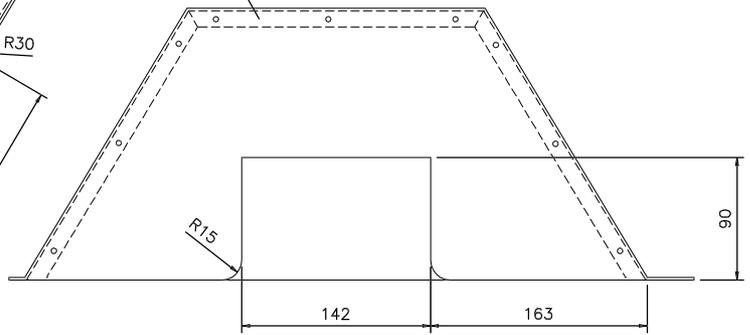
GA No.
Drawing No.
W/BF/188

ROYAL GREENWICH OBSERVATORY
MADINGLEY ROAD
CAMBRIDGE CB3 0EZ

Drawing No.
W

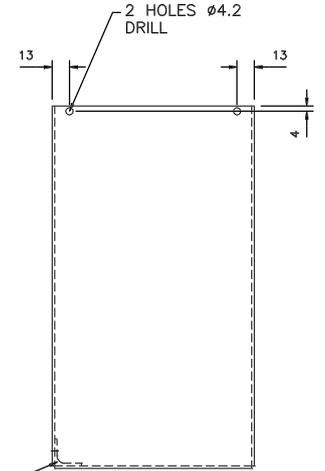
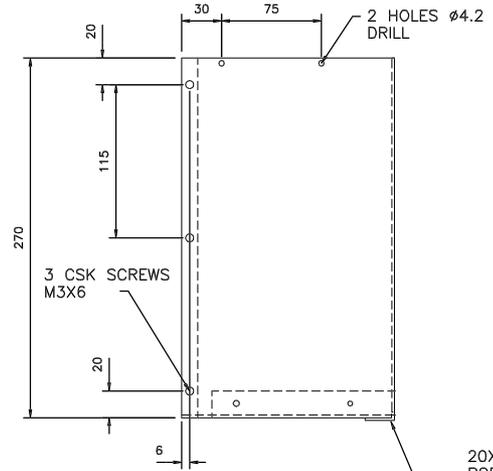
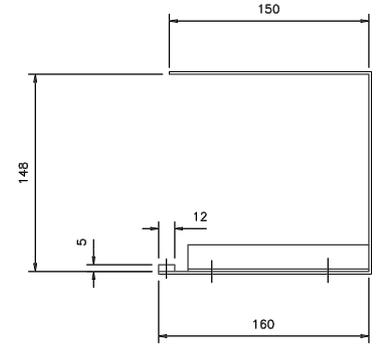


12X12X2 ALUM. ANGLE
POP-RIVET TO PANELS.

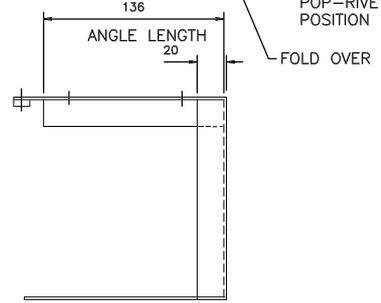


MATERIAL: ALUMINIUM SHEET 2mm THICK

TITLE		DISC REF.	
FILTERWHEEL COVER			
MATERIAL	SCALE	TOLERANCES ±	
SEE NOTE	1 : 2	X	0.3
FINISH	No. REQD. PER UNIT	XX	0.1
MATT BLACK	ONE	X,XX	
GA No.	DRAWING No.		
	RGD W/BF/210		



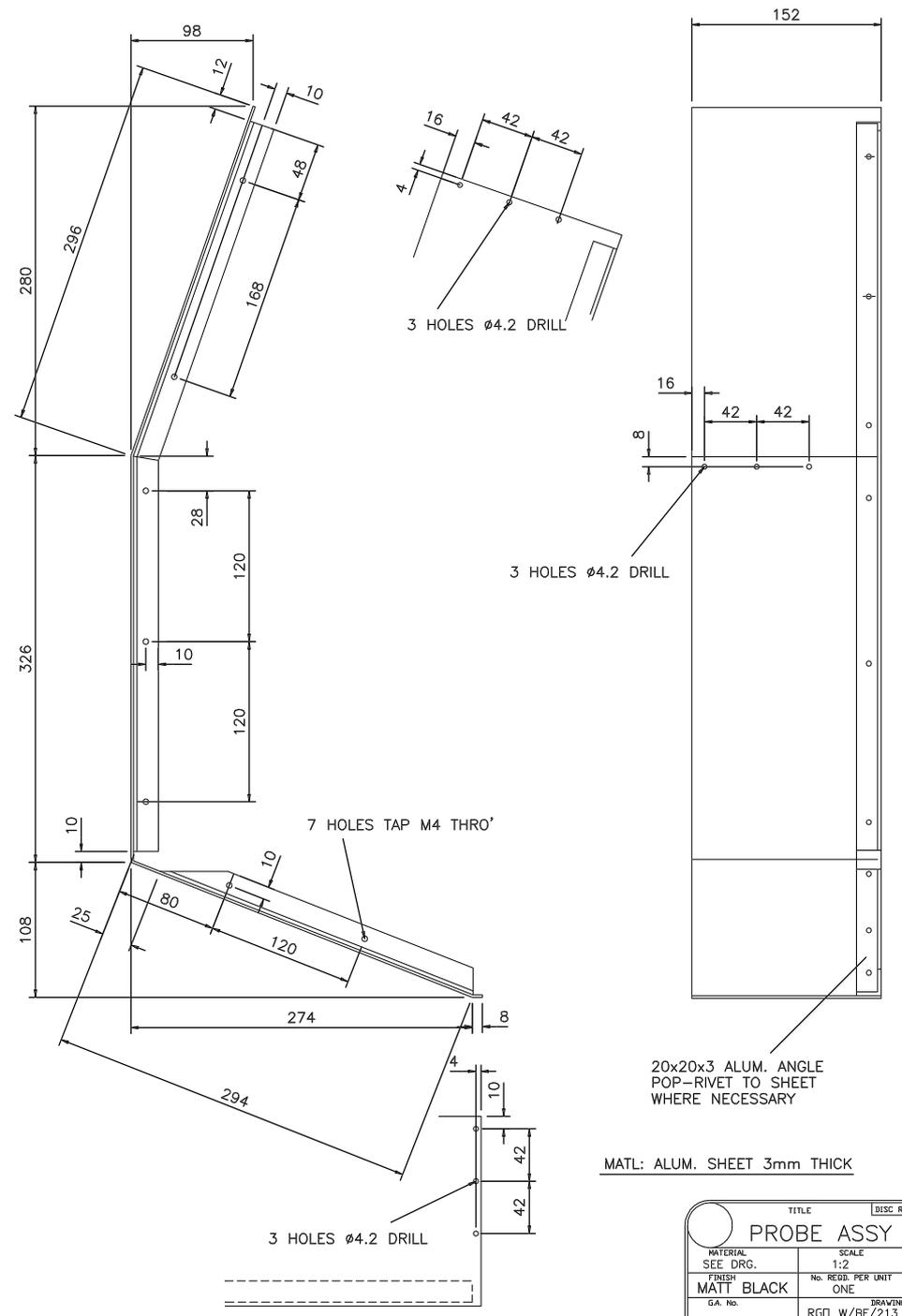
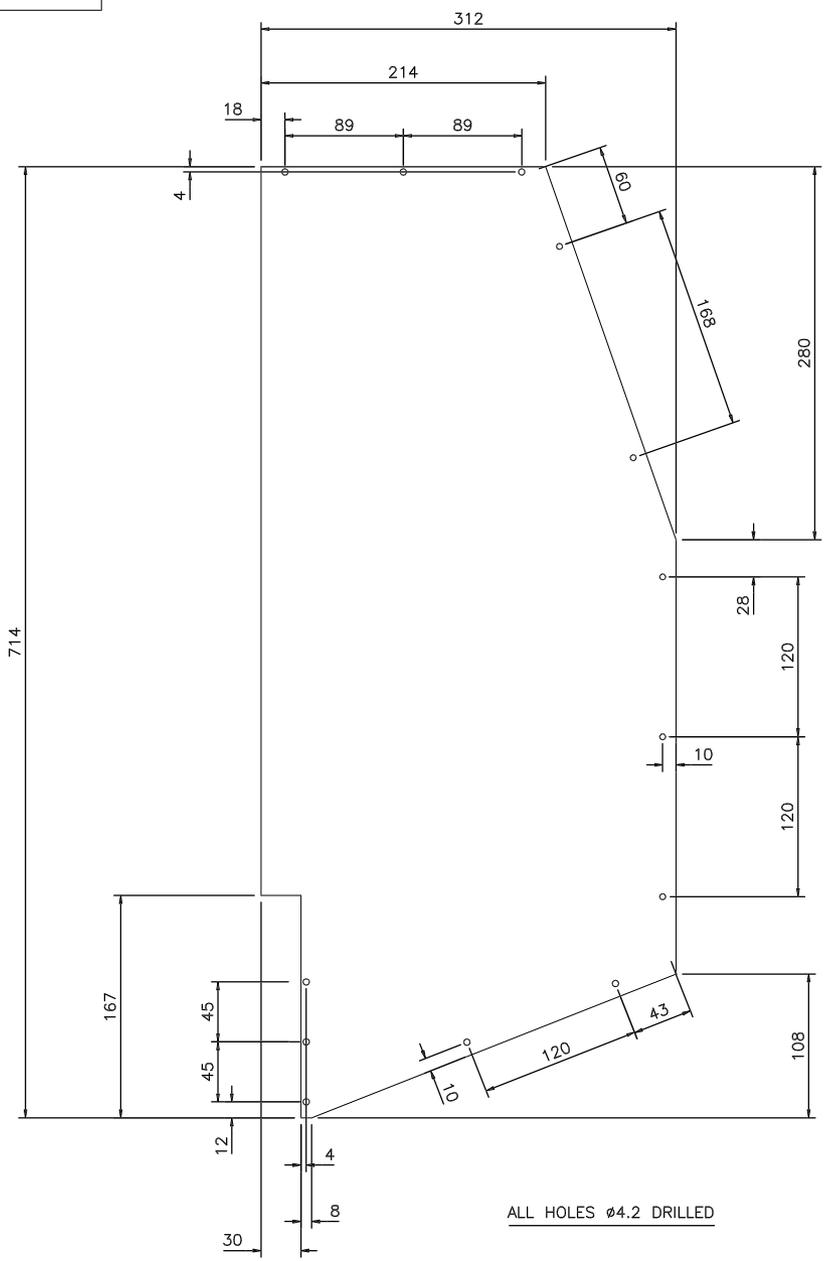
20X20X2 ANGLE
POP-RIVET IN
POSITION



MATL: ALUM. SHEET 2mm THICK
ALL ITEMS ALUMINIUM

TITLE		DISC REF.	
AUTOGUIDER COVER			
MATERIAL	SCALE	TOLERANCES ±	
SEE NOTE	1 : 2	X	0.3
FINISH	No. REQD. PER UNIT	XX	0.1
MATT BLACK	ONE	X,XX	
GA No.	DRAWING No.		
	RGD W/BF/211		

Issue				Date				Drawn by				Tolerance (Unless otherwise stated)				Material				Dimns.in m.m.				Scale				Title				THIRD ANGLE PROJECTION				GA No.			
Mod.No.				Date				Drawn by				X +/-				Finish				ROYAL GREENWICH OBSERVATORY				1 : 2				WHT PRIME FOCUS INSTRUMENT PLATFORM				Drawing No.							
Date				Date				ANG. +/-				Used on				CAMBRIDGE CB3 0EZ				DETAILS OF COVERS				W/BF/210-211															



TITLE		DISC. REF.	
TOP COVER			
MATERIAL	SCALE	TOLERANCES ±	
SEE NOTE	1:2	0.3	
FINISH	No. REQ. PER UNIT	X	X
MATT BLACK	ONE	XX	XXX
GA. No.	DRAWING No.		
RGD W/BF/212			

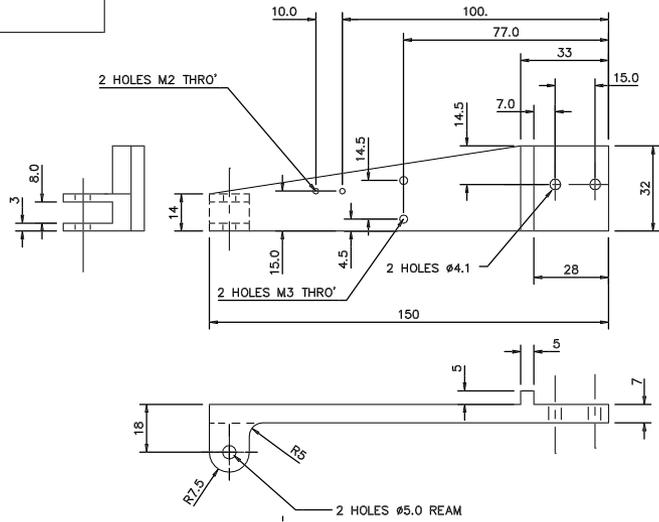
Issue	ModNo	Date	Drawn by	Issue	ModNo	Date	Drawn by

Material	Dimns in m.m.	Scale
Finish	Drwg. No.	No. Req.
	Used on	

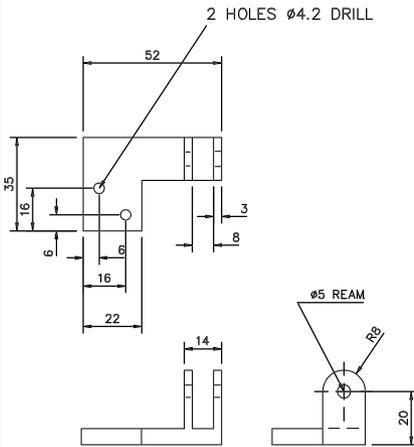
THIRD ANGLE PROJECTION		Title	
ROYAL GREENWICH OBSERVATORY		WHT PRIME FOCUS INSTRUMENT PLATFORM	
MADINGLEY ROAD		DETAILS OF COVERS	
CAMBRIDGE		CB3 0EZ	

TITLE		DISC. REF.	
PROBE ASSY COVER			
MATERIAL	SCALE	TOLERANCES ±	
SEE DRG.	1:2	0.3	
FINISH	No. REQ. PER UNIT	X	X
MATT BLACK	ONE	XX	XXX
GA. No.	DRAWING No.		
RGD W/BF/213			

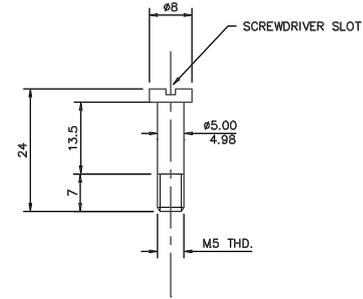
GA. No.	Drawing No.
	W/BF/212-213



TITLE		DISC. REF.	
ENCODER SUPPORT			
MATERIAL	SCALE	TOLERANCES ±	
ALUM. ALLOY	1:1	x	0.3
FINISH	No. REQD. PER UNIT	x.x	0.1
BLACK ANODISE	ONE	x.xx	
G.A. No.	DRAWING No.		
	RGO W/BF/261		

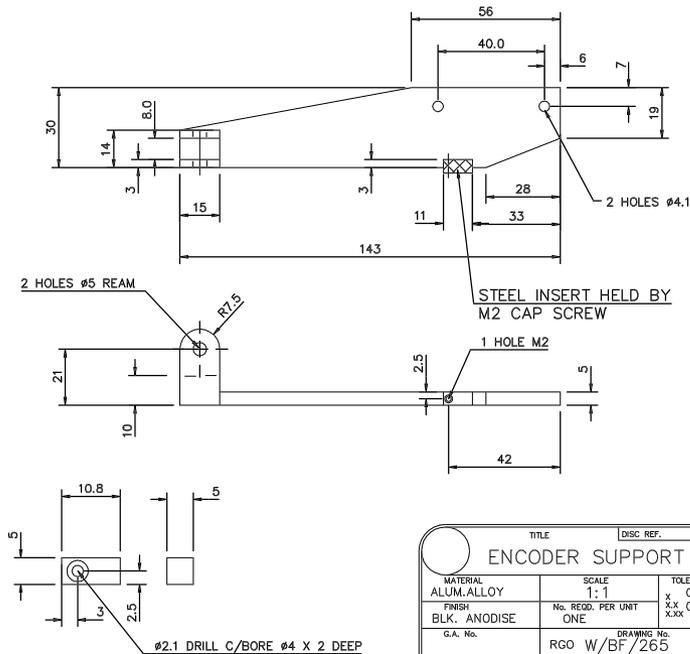


TITLE		DISC. REF.	
ENCODER LUG			
MATERIAL	SCALE	TOLERANCES ±	
ALUM. ALLOY	1:1	x	0.3
FINISH	No. REQD. PER UNIT	x.x	0.1
BLACK ANODISE	ONE	x.xx	
G.A. No.	DRAWING No.		
	RGO W/BF/262		



TITLE		DISC. REF.	
SCREW			
MATERIAL	SCALE	TOLERANCES ±	
MILD STL.	1:1	x	0.3
FINISH	No. REQD. PER UNIT	x.x	0.1
BLK. NICKEL	ONE	x.xx	
G.A. No.	DRAWING No.		
	RGO W/BF/263		

TITLE		DISC. REF.	
A/G ENCODER LUG			
MATERIAL	SCALE	TOLERANCES ±	
ALUM. ALLOY	1:1	x	0.3
FINISH	No. REQD. PER UNIT	x.x	0.1
BLACK ANODISE	ONE	x.xx	
G.A. No.	DRAWING No.		
	RGO W/BF/264		



TITLE		DISC. REF.	
ENCODER SUPPORT			
MATERIAL	SCALE	TOLERANCES ±	
ALUM. ALLOY	1:1	x	0.3
FINISH	No. REQD. PER UNIT	x.x	0.1
BLK. ANODISE	ONE	x.xx	
G.A. No.	DRAWING No.		
	RGO W/BF/265		

TITLE		DISC. REF.	
ENCODER LUG			
MATERIAL	SCALE	TOLERANCES ±	
ALUM. ALLOY	1:1	x	0.3
FINISH	No. REQD. PER UNIT	x.x	0.1
BLK. ANODISE	ONE	x.xx	
G.A. No.	DRAWING No.		
	RGO W/BF/266		

TITLE		DISC. REF.	
SCREW			
MATERIAL	SCALE	TOLERANCES ±	
MILD STL.	1:1	x	0.3
FINISH	No. REQD. PER UNIT	x.x	0.1
BLK. NICKEL	ONE	x.xx	
G.A. No.	DRAWING No.		
	RGO W/BF/267		

STEEL INSERT DETAILS

Issue	Mod.No	Date	Drawn by	Issue	Mod.No	Date	Drawn by

Tolerance (Unless otherwise stated)
x +/-
x.x +/-
x.xx +/-
ANG. +/-

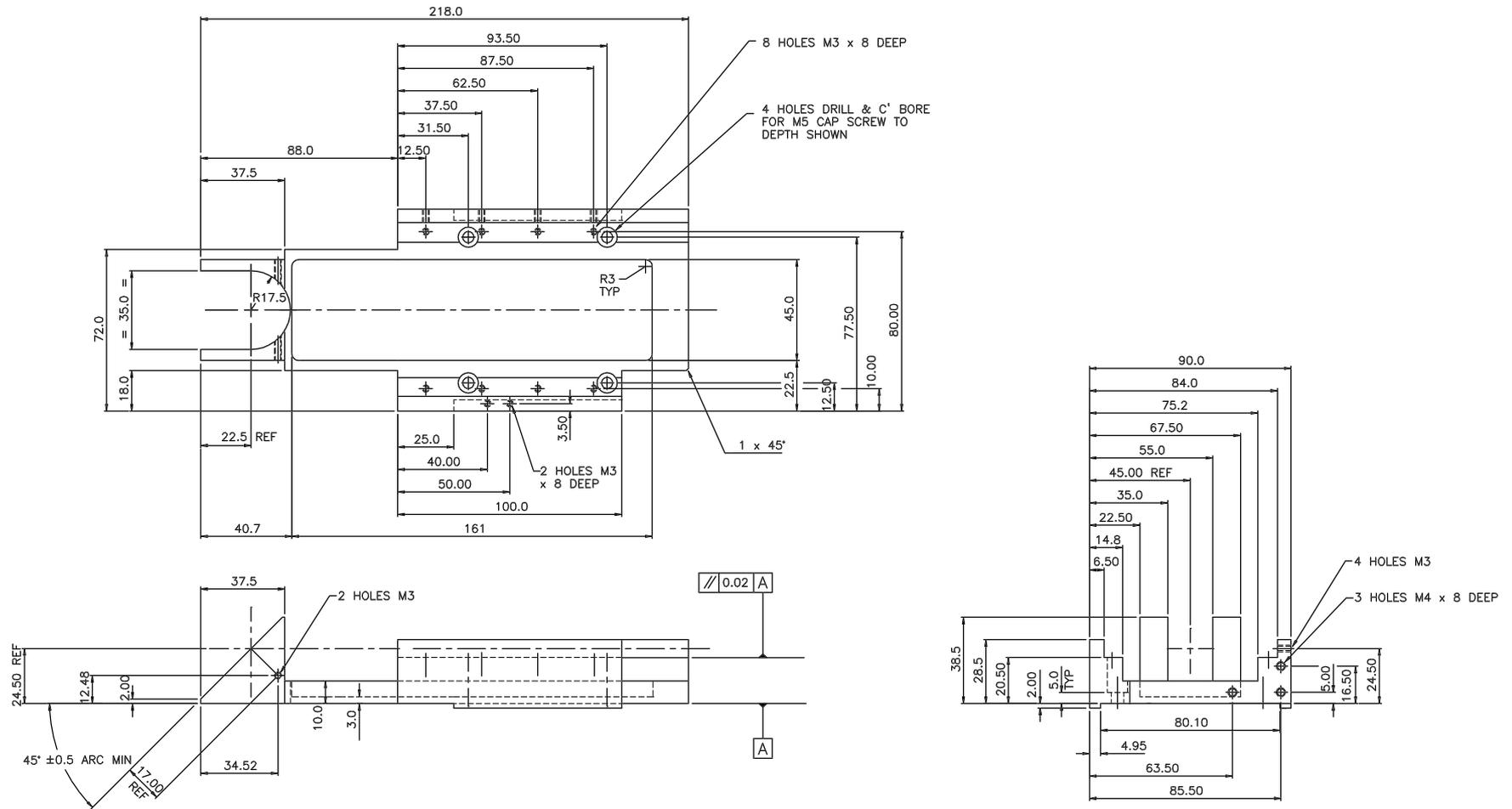
Material	Finish

Dimns. in m.m.	Scale

THIRD ANGLE PROJECTION	
ROYAL GREENWICH OBSERVATORY MADINGLEY ROAD CAMBRIDGE CB3 0EZ	Title: WHT PRIME FOCUS INSTRUMENT PLATFORM SLIDE ENCODER FIXINGS.

GA No.	Drawing No.
	W/BF/261-267

REMOVE ALL SHARP EDGES

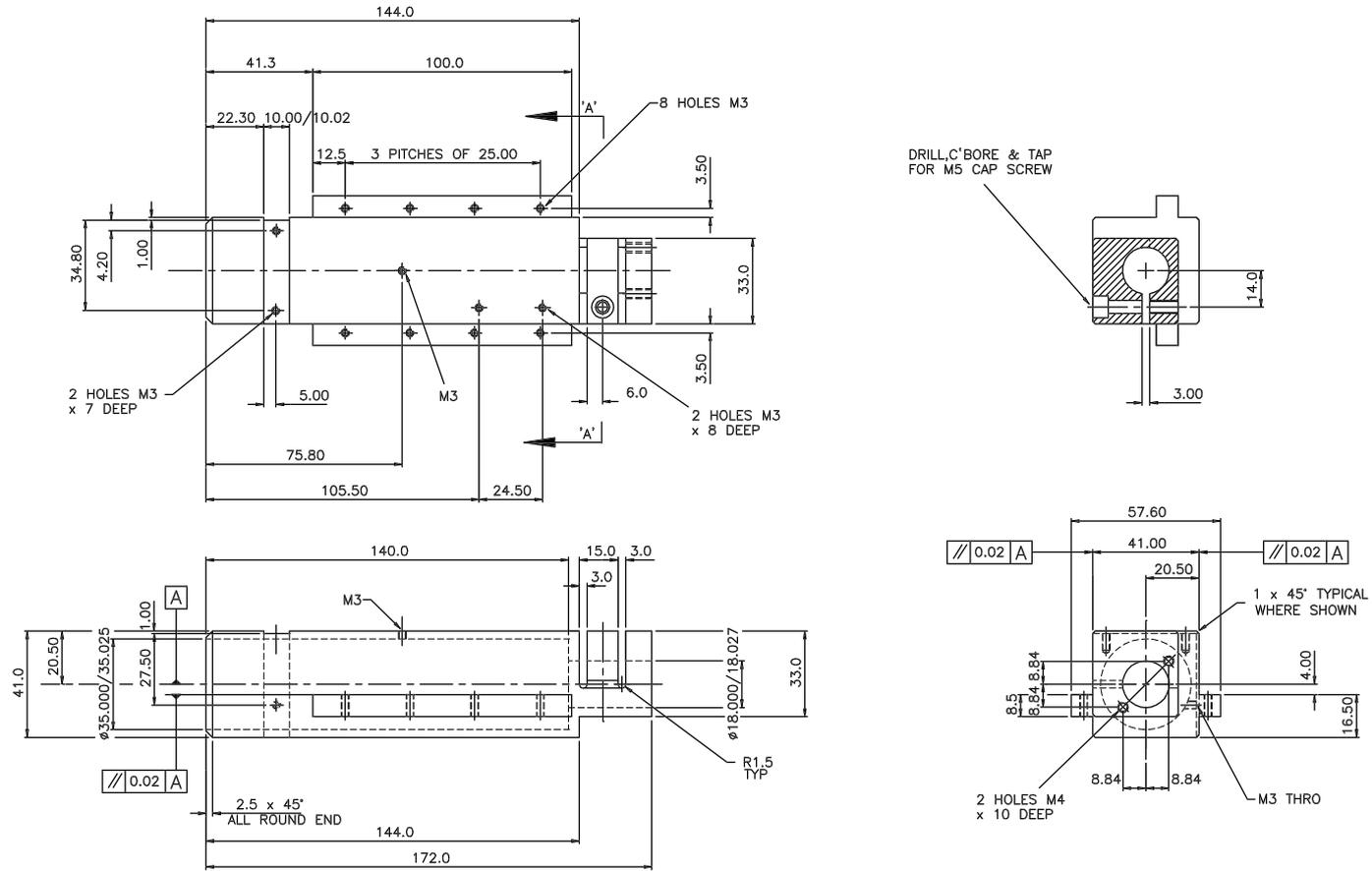


1			TITLE
PROBE SLIDE BODY			
MATERIAL	SCALE	TOLERANCES	
AL. ALLOY	FULL	x	±0.5
FINISH	No. REQD. PER UNIT	x.x	±0.3
BLK ANODISE	1	x.xx	±0.1
GA. No.	R.G.O.	DRAWING No.	
W/BF/270	W/BF/271		

						Tolerance (Unless otherwise stated)		Material		Dimns.in m.m.		Scale		THIRD ANGLE PROJECTION		GA No. W/BF/270	
						x +/-								ROYAL GREENWICH OBSERVATORY		Drawing No.	
						x.x +/-		Finish		Drg.No.				MADINGLEY ROAD		W /BF/271	
						x.xx +/-				Used on				CAMBRIDGE CB3 0EZ		FILE WBF271	
Issue	Mod.No	Date	Drawn by	Issue	Mod.No	Date	Drawn by										
						MAY 93	PROMECH										

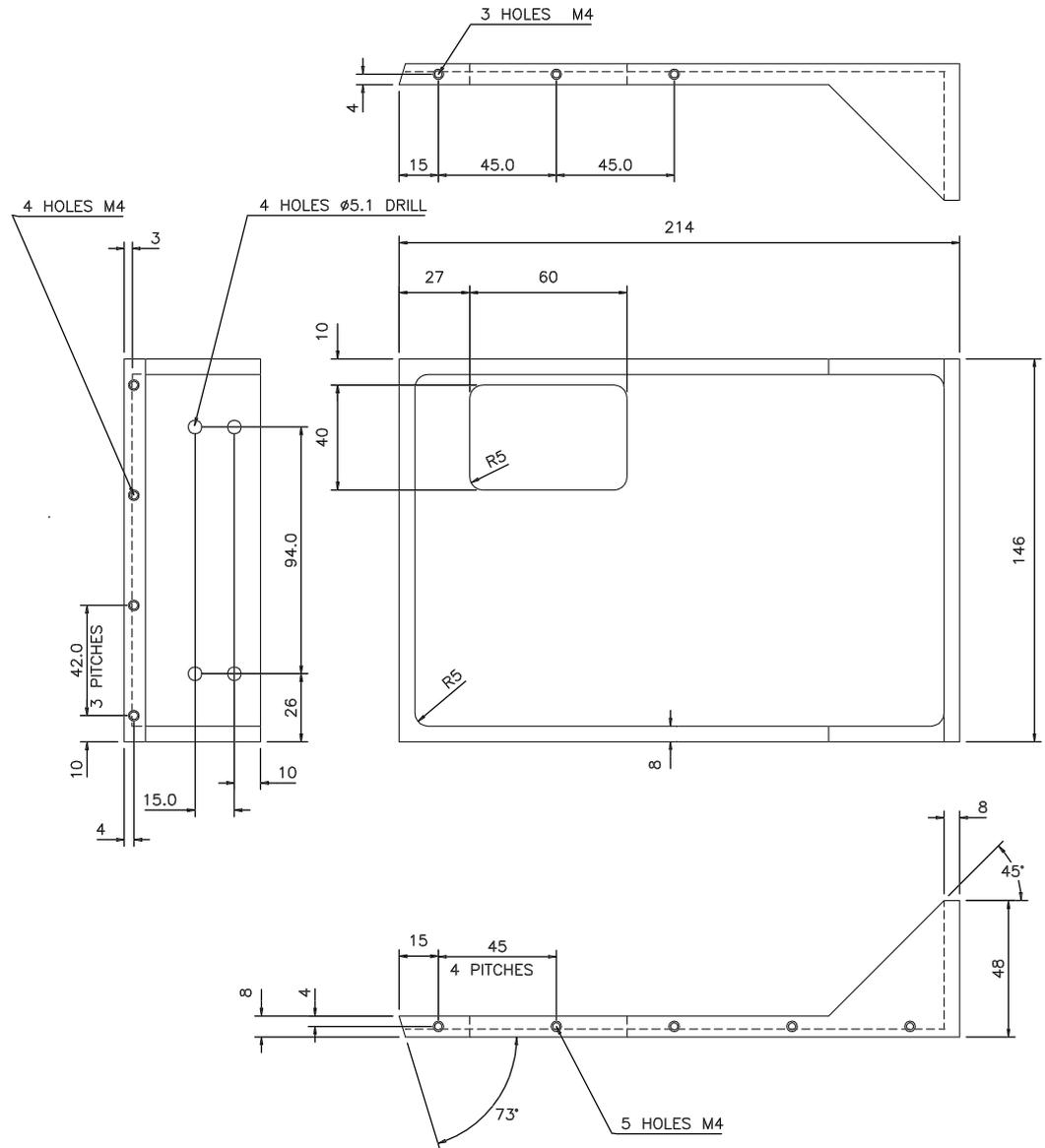
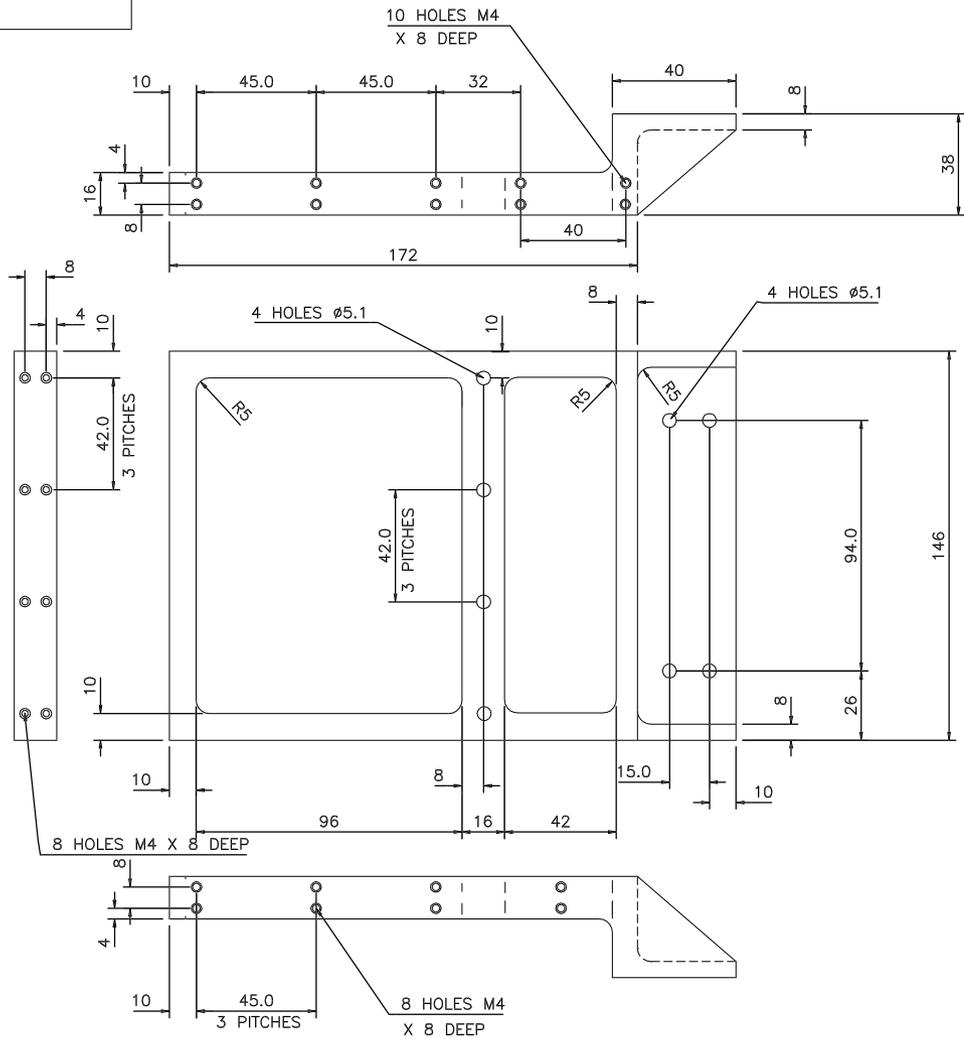
Title WHT PRIME FOCUS INST PLATFORM PROBE DETAILS

REMOVE ALL SHARP EDGES



2			TITLE		
PROBE CELL HOLDER					
MATERIAL	SCALE	TOLERANCES			
AL. ALLOY	FULL	x ±0.5			
FINISH	No. REQD. PER UNIT	XX ±0.3			
BLK ANODISE	1	XXX ±0.1			
GA. No.	R.G.O.	DRAWING No.			
W/BF/270	W/BF/272				

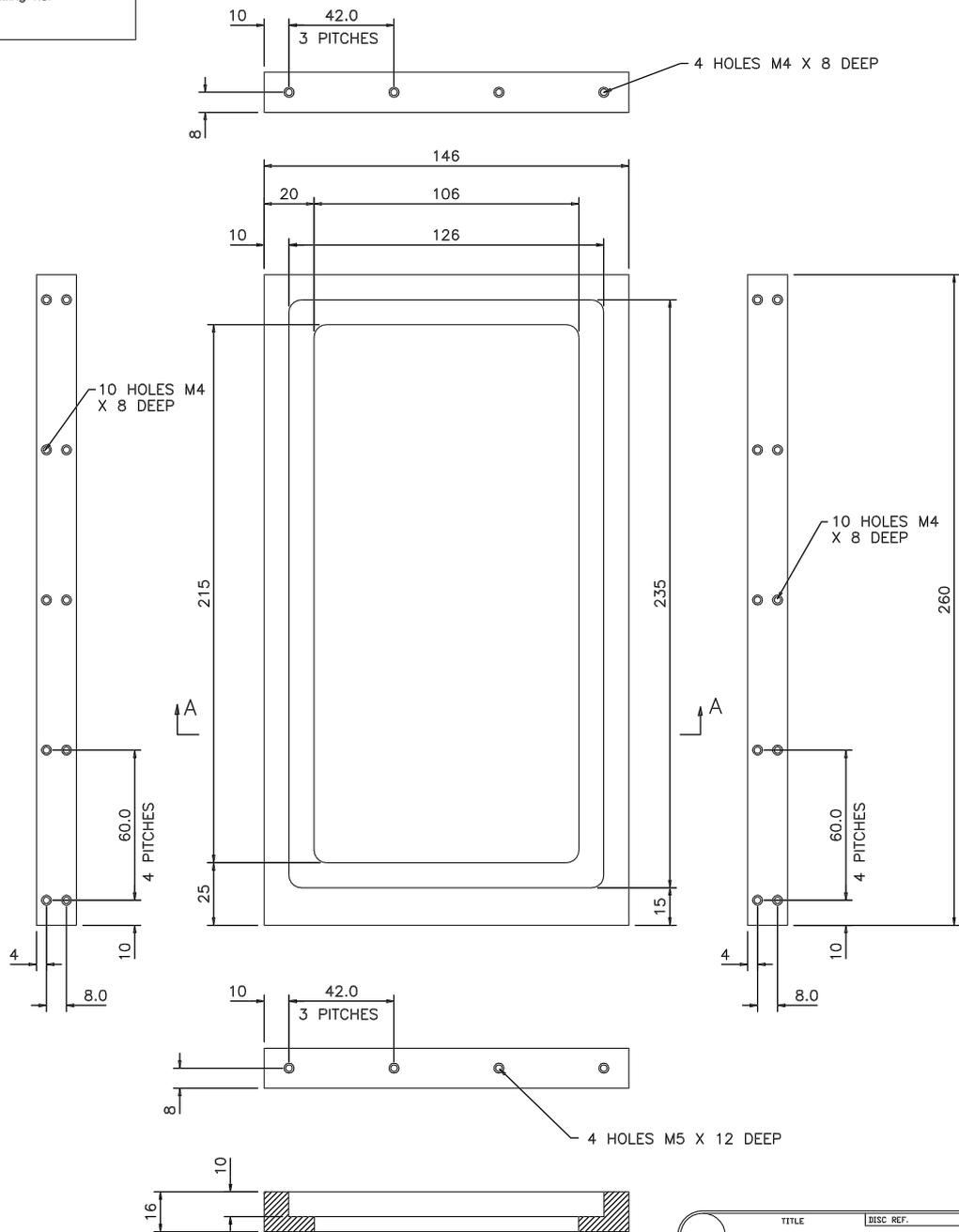
						Tolerance (Unless otherwise stated)		Material		Dimns.in m.m.		Scale		THIRD ANGLE PROJECTION		GA No. W/BF/270	
						x ±/-								Title		Drawing No.	
						XX ±/-		Finish		Drg.No.				WHT PRIME FOCUS INST PLATFORM PROBE		W /BF/272	
						XXX ±/-		Used on		No.Req.				ROYAL GREENWICH OBSERVATORY			
						ANG. ±/-								MADINGLEY ROAD			
														CAMBRIDGE			
														CB3 0EZ			



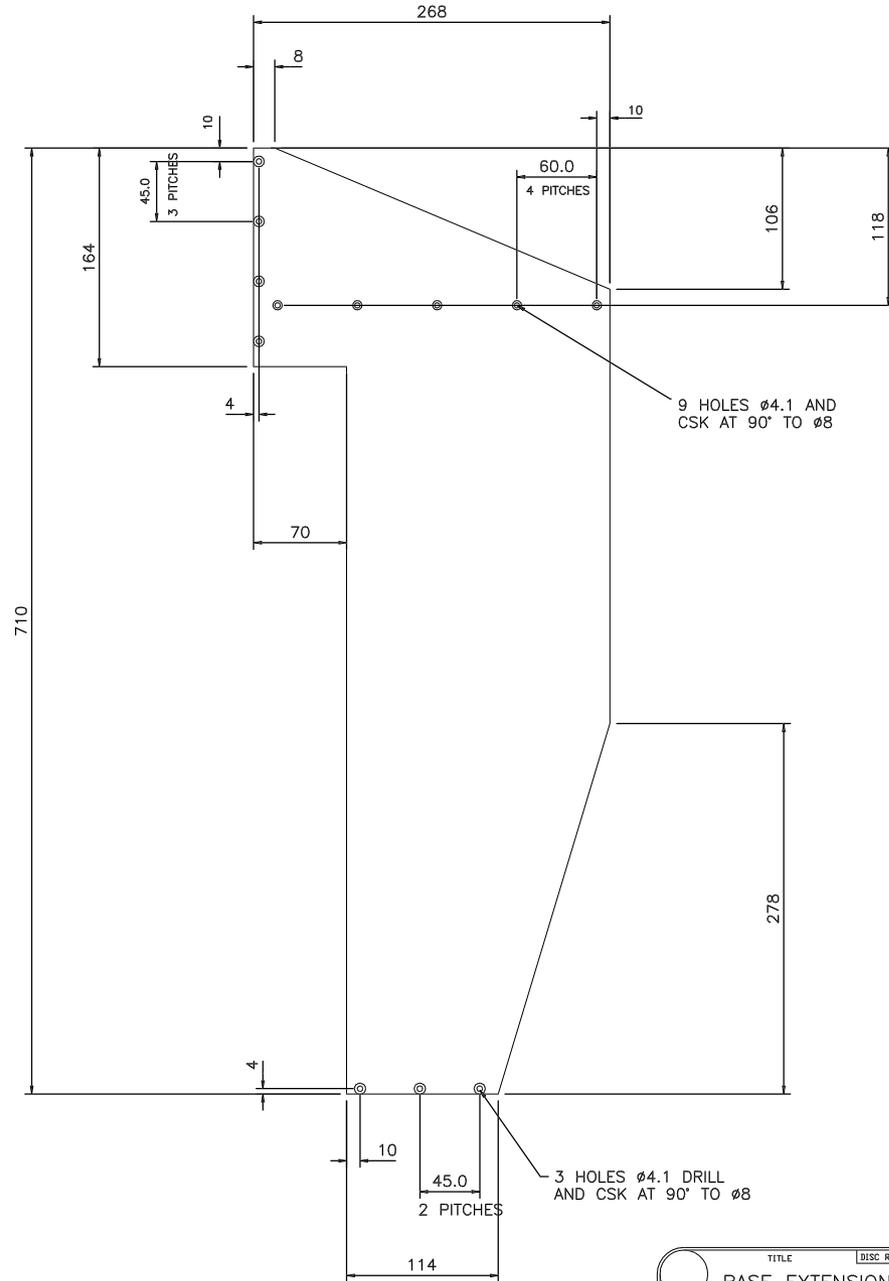
TITLE		DISC. REF.	
COVER BRACKET (A/G)			
MATERIAL	SCALE	TOLERANCES ±	
ALUM. ALLOY	1 : 1	X 0.3	
FINISH	No. REQD. PER UNIT	XX 0.1	
BLACK ANODISE	ONE	XXX	
GA. No.	DRAWING No.		
	RGD W/BF/282		

TITLE		DISC. REF.	
COVER BRACKET			
MATERIAL	SCALE	TOLERANCES ±	
ALUM. ALLOY	1 : 1	X 0.3	
FINISH	No. REQD. PER UNIT	XX 0.1	
BLACK ANODISE	ONE	XXX	
GA. No.	DRAWING No.		
	RGD W/BF/283		

Tolerance (Unless otherwise stated)				Material		Dimns. in m.m.		Scale		THIRD ANGLE PROJECTION		GA. No.	
X	±												
XX	+/-												
XXX	+/-												
ANG.	+/-												
Issue ModNo Date Drawn by				Material		Dimns. in m.m.		Scale		Title		Drawing No.	
				Finish		ROYAL GREENWICH OBSERVATORY		CAMBRIDGE CB3 0EZ		WHT PRIME FOCUS INSTRUMENT PLATFORM		W/BF/282-	
				Used on		MADINGLEY ROAD				DETAILS FOR COVERS			



TITLE		DISC. REF.	
COVER SUPPORT			
MATERIAL	SCALE	TOLERANCES ±	
ALUM.ALLOY	1 : 1	X	0.3
FINISH	No. RECD. PER UNIT	XX	0.1
BLACK ANODISE	ONE	XXX	
GA. No.	DRAWING No.		
	RGD W/BF/284		



TITLE		DISC. REF.	
BASE EXTENSION			
MATERIAL	SCALE	TOLERANCES ±	
ALUM.ALLOY	1 : 2	X	0.3
FINISH	No. RECD. PER UNIT	XX	0.1
BLACK ANODISE	ONE	XXX	
GA. No.	DRAWING No.		
	RGD W/BF/285		

Tolerance (Unless otherwise stated)				Material		Dimns.in m.m.		Scale		THIRD ANGLE PROJECTION		GA. No.	
X	±	+	-										
XX	±	+	-										
XXX	±	+	-										
ANG.	±	+	-										
Issue				Date				Drawn by		Title		Drawing No.	
Issue				Date				Drawn by		WHT PRIME FOCUS INSTRUMENT PLATFORM		W/BF/284-	
Issue				Date				Drawn by		DETAILS FOR COVERS		W/BF/285	
Issue				Date				Drawn by		ROYAL GREENWICH OBSERVATORY		W/BF/284-	
Issue				Date				Drawn by		MADINGLEY ROAD		W/BF/284-	
Issue				Date				Drawn by		CAMBRIDGE		W/BF/284-	
Issue				Date				Drawn by		CB3 0EZ		W/BF/284-	

