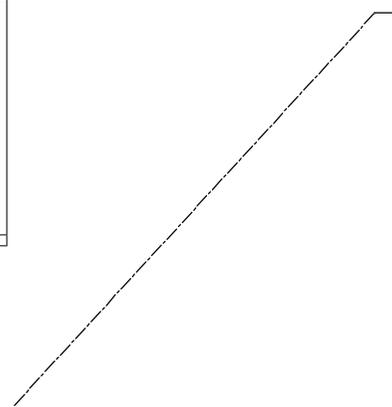
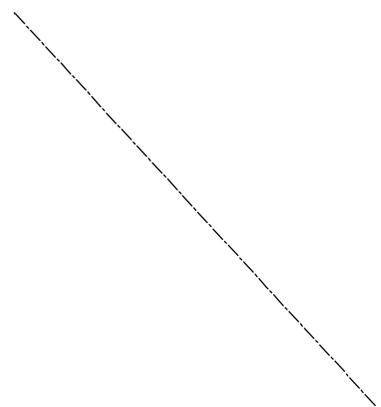
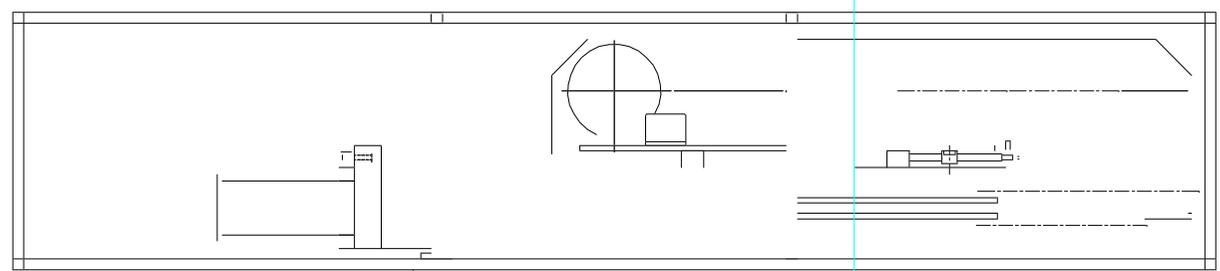
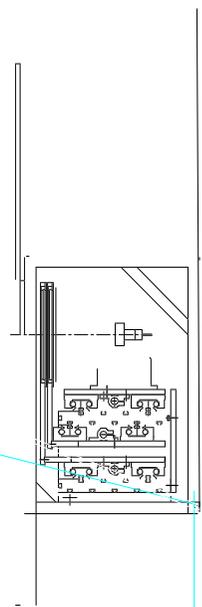
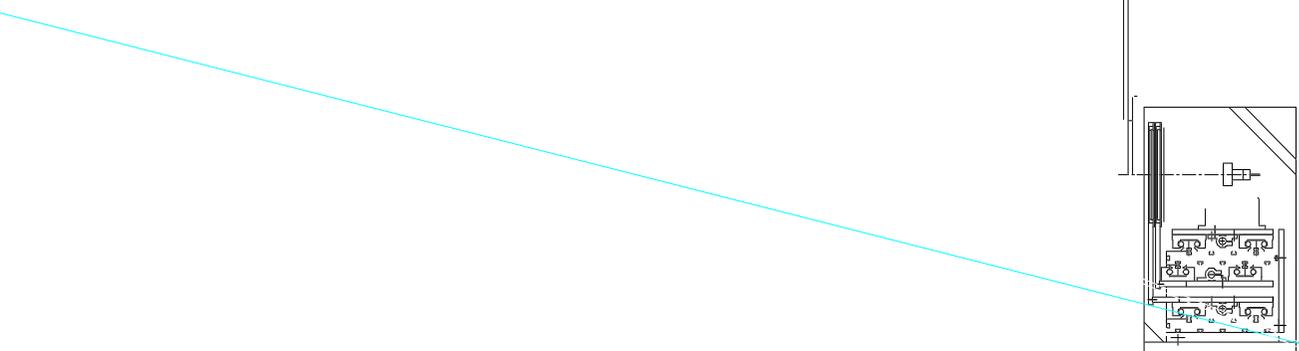
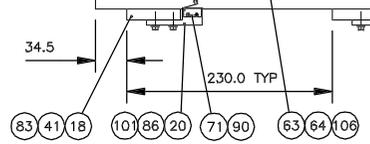
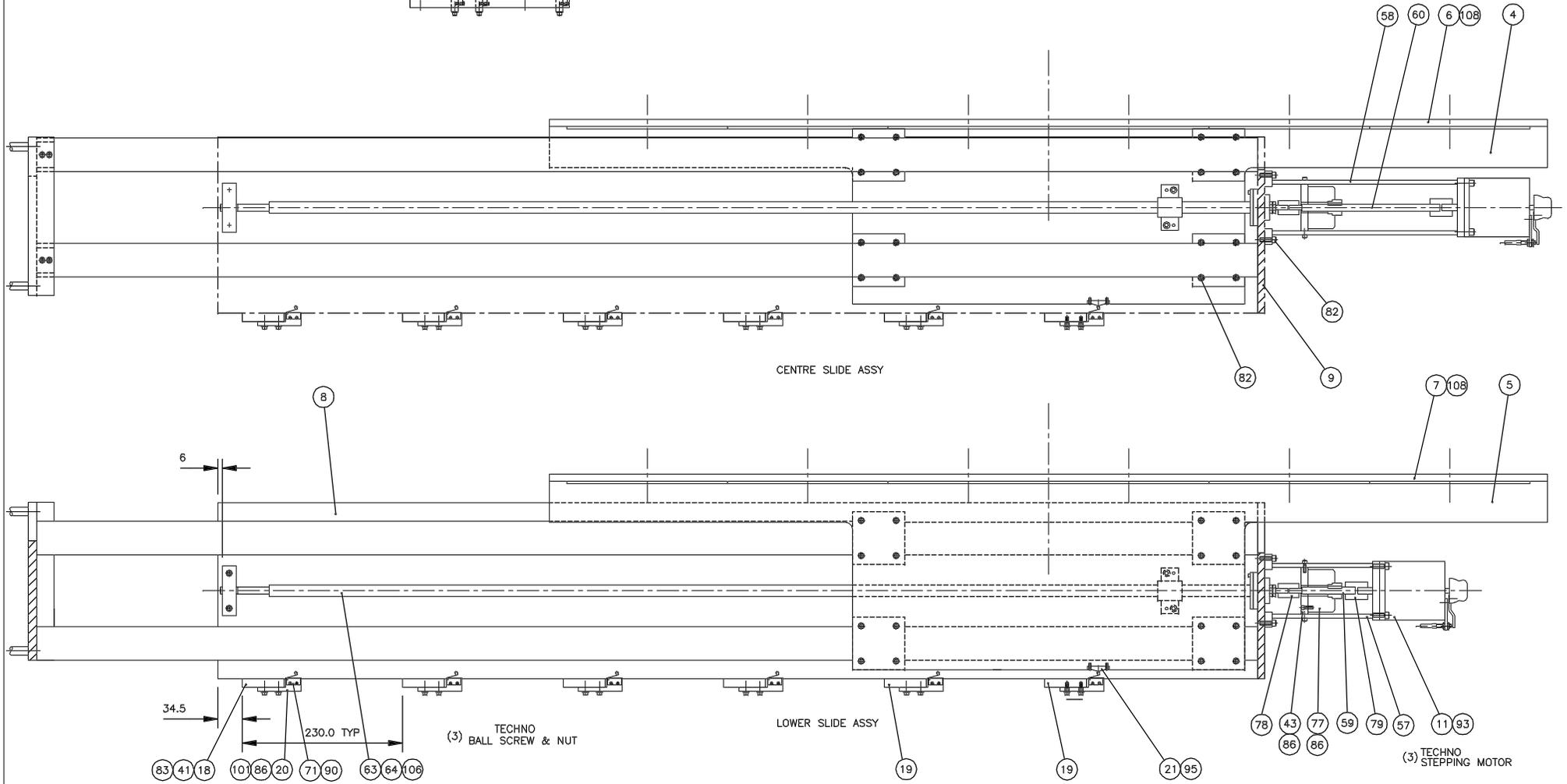
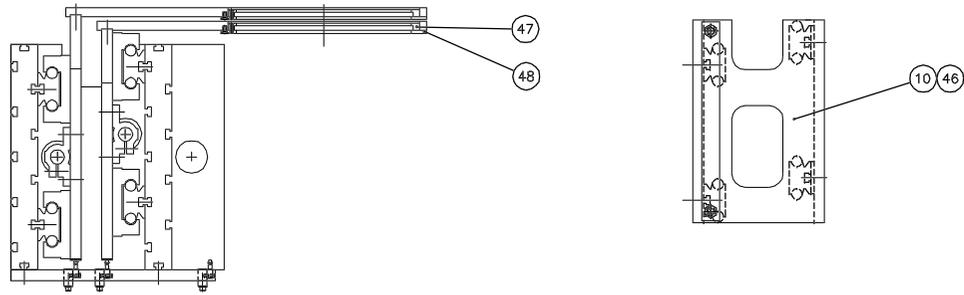


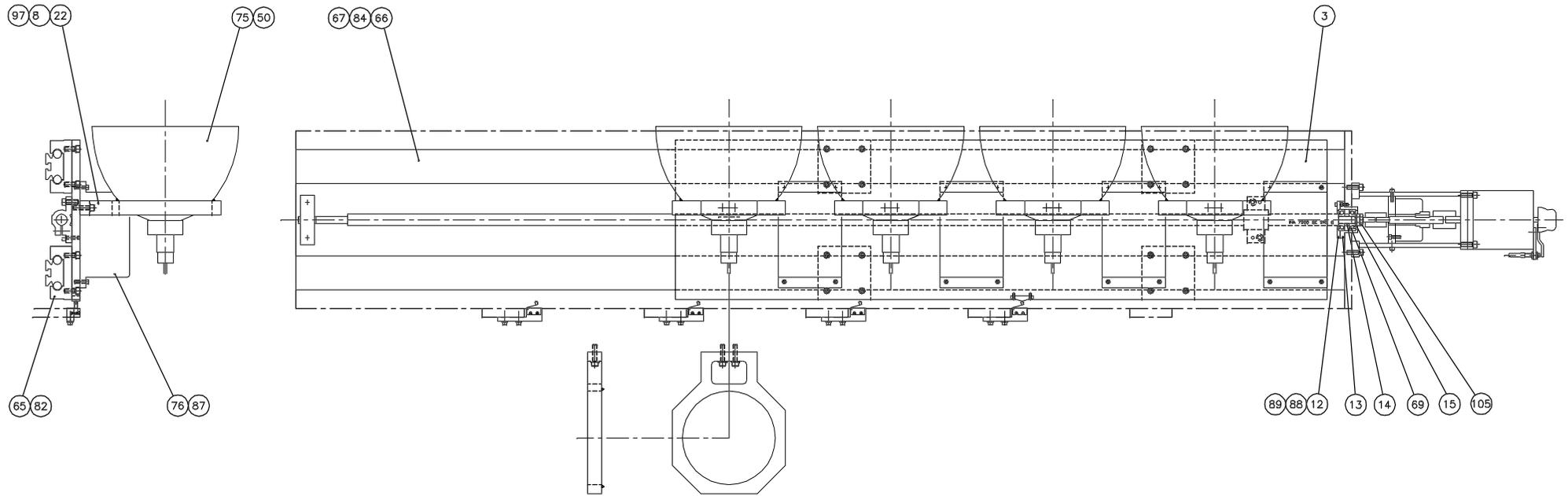
DRAWING NUMBER	No. OF SHEETS	GA ITEM No.	DRAWING TITLE OR COMPONENT NAME	No. OFF	MATERIAL STOCK OR ORDER No. AND DATE	REMARKS	ISSUE DATE	ISSUED TO	FINISH DATE	
/ /		38	WASHER	6						
/ /		39	SWITCH BLOCK	2						
/ /		40	NUT PLATE	2						
/ /		41	NUT PLATE	12						
/ /		42	NUT PLATE	5						
/ /		43	MOTOR PACKER	3						
W/ BL / 1644	1	44	NUT PLATE	2						
/ /		45	NUT PLATE	10						
/ /		46	NUT PLATE	4						
/ /		47	FILTER HOLDER	10						
/ /		48	FILTER PLATE	10						
W/ BL / 1649	1	49	BRACKET	2						
/ /		50	LAMP & REFLECTOR ASSY (TYPICAL)	4						
/ /		51	GUIDE RAIL	1						
/ /		52	GUIDE RAIL	1						
/ /		53	STOP	2						
/ /		54	PULL BAR	2						
/ /		55	PULL ROD	4						
W/ BL / 1656	1	56	TROLLEY ASSY	1						
W/ BL / 1657	1	57	MOTOR SUPPORT BRKT - SHORT	2						
/ /		58	MOTOR SUPPORT BRKT - LONG	1						
W/ BL / 1659	1	59	CONN. SHAFT - SHORT	2						
/ /		60	CONN. SHAFT - LONG	1						
W/ BL / 1659	1	61	WEB	2						
/ /		62	PLATE	1		(UNIMATIC LTD)				
/ /		63	BALL SCREW $\phi 16-5 \times 1530$	3	211-134-2153	TECHNOISEL				
/ /		64	BALL NUT $\phi 16-5$ PITCH	3	213001	TECHNOISEL				
/ /		65	STEPPING MOTOR 300Ncm	3	CODE 398002	TECHNOISEL				
/ /		66	DOUBLE RAIL GUIDE 1750	6	HL4222M0011750	TECHNOISEL				
/ /		67	NUT STRIP	3	HL6100M209012	TECHNOISEL				
/ /		68	CARRIAGE	12	HL46D0M223001	TECHNOISEL				
/ /		69	BEARING	6	INA-7200BE2RSG					
/ /		70	BEARING	3	NMB-R2210ZZ					
/ /		71	MICRO SWITCH BURGESS-V4 ROLLER	16	V42T6Y1					
/ /		72	MICRO SWITCH BURGESS-V4 LEVER	2	V42T6Y1					
/ /		73	BUSH MOUNT RS 688-329	2						
/ /		74	SWIVEL HOIST RING M10 HR-125M	1	BS	500kg				
/ /		75	REFLECTOR	4	ORIEL 45337	SEE DRG 1650				
JOB TITLE	WYFFOS WAVELENGTH CALIB ASSY					ASS'Y DRG No. V/BL/1600	SHEET No. 2 of 3	DRAWN BY PROMECH DATE 04/03/97		
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
/ /		76	PSU & LAMP TYPE AS REQUIRED	4	ORIEL	SEE DRG 1650			
/ /		77	FAIL SAFE BRAKE FS 60/1L	3	CLARK ELEC CLUTCH LTD				
/ /		78	COUPLING AC075-ø6-ø6	3	HELICAL				
/ /		79	COUPLING (3/8") AC100-12	3	HELICAL				
/ /		80	HEX HEAD SCREW M12 x 30	12		ALL ITEMS TO BE			
/ /		81	HEX HEAD SCREW M10 x 30	15		STAIN LESS STEEL			
/ /		82	SOC HEAD CAP SCREW M6 x 18	66					
/ /		83	SOC HEAD CAP SCREW M6 x 12	66					
/ /		84	SOC HEAD CAP SCREW M6 x 25	68					
/ /		85	SOC HEAD CAP SCREW M6 x 30	24					
/ /		86	SOC HEAD CAP SCREW M4 x 12	74					
/ /		87	SOC HEAD CAP SCREW M4 x 16	16					
/ /		88	SOC HEAD CAP SCREW M3 x 8	9					
/ /		89	SOC HEAD CAP SCREW M3 x 10	9					
/ /		90	SOC HEAD CAP SCREW M2.5 x 10	36					
/ /									
/ /									
/ /		93	SOC HEAD CAP SCREW M5 x 12	14					
/ /		94	CSK HEAD SCREW M6 x 12	18					
/ /		95	CSK HEAD SCREW M3 x 10	78					
/ /		96	CSK HEAD SCREW M4 x 6	4					
/ /		97	CSK HEAD SCREW M4 x 8	48					
/ /		98	SOC HEAD CAP SCREW M8 x 20	8					
/ /		99	WASHER PLAIN M10	15					
/ /		100	WASHER PLAIN M6	8					
/ /		101	WASHER PLAIN M4	38					
/ /		102	WASHER PLAIN M8	8					
/ /		103	SOC HEAD CAP SCREW M6 x 15	16					
/ /		104	HEX NYLOC NUT M4	14					
/ /		105	HEX LOCK NUT M8	10					
/ /		106	DOWEL ø4 x 16	6					
/ /									
/ /		108	DOWEL ø6 x 16	4					
/ /									
/ /									
/ /									
/ /		112	PROXIMITY SWITCH M5	3	RS 63				
/ /									
JOB TITLE						ASS'Y DRG No.	SHEET No.	DRAWN BY PROMECH	
WYFFOS WAVELENGTH CALIB ASSY						V/BL/1600	3 of 3	DATE 04/03/97	
ROYAL GREENWICH OBSERVATORY, MADINGLEY ROAD, CAMBRIDGE									



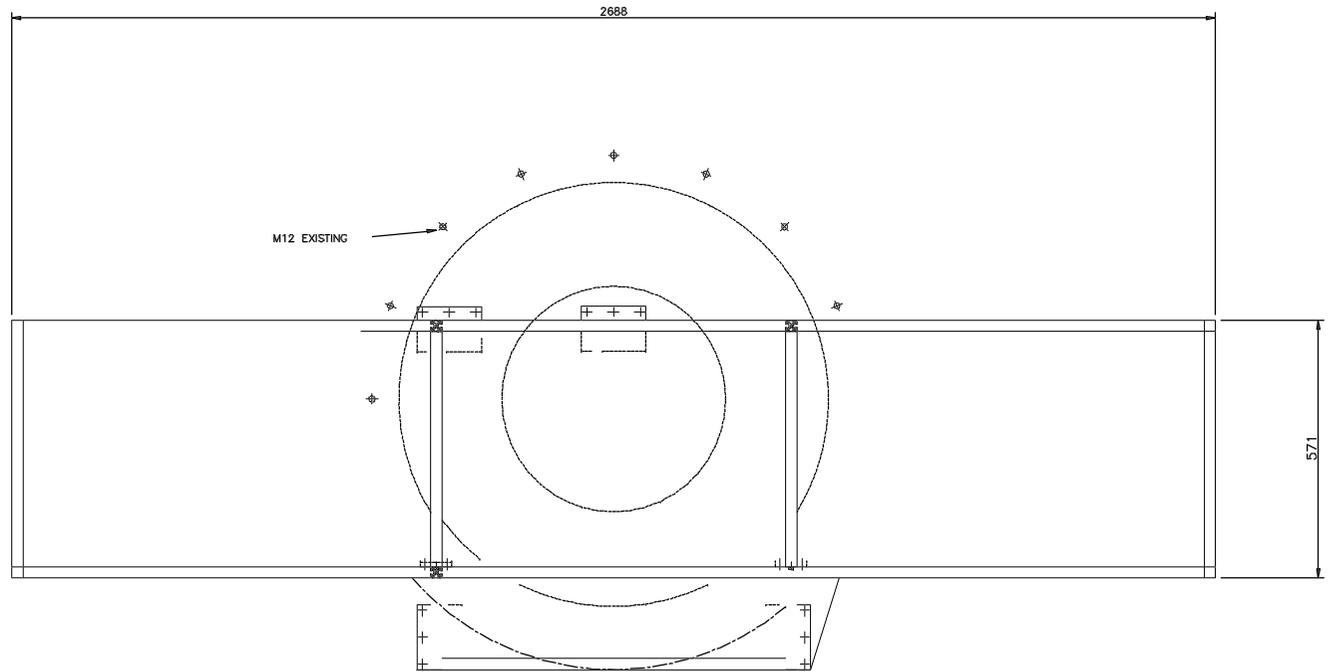
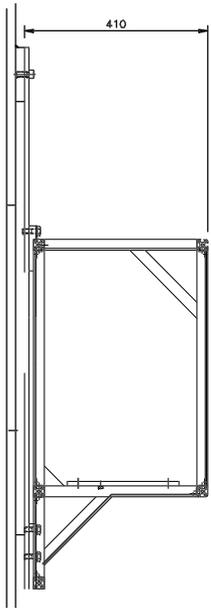


ISSUE				MATERIAL				DIM IN MM		SCALE	THIRD ANGLE PROJECTION		G.A. NO.	
27/02/97	PROMECH	TOLERANCES (UNLESS OTHERWISE STATED)		MATERIAL		ROYAL GREENWICH OBSERVATORY		1/2	TITLE		DRG NO.		SHT 2 OF 10	
			X +/-		FINISH	MADINGLEY ROAD			WYFFOS WAVELENGTH CALIBRATION ASSY		V/BL/1600			
			X.XX +/-			CAMBRIDGE CB3 0EZ								
			ANG +/-											



TOP SLIDE ASSY

ISSUE				MATERIAL				DIM IN MM		SCALE	THIRD ANGLE PROJECTION		G.A. NO.	
NO.	DATE	DRAWN BY	ISSUE	NO.	DATE	DRAWN BY	FINISH	DRG NO.	NO REQ	1/2	TITLE		NO.	SHT 3 OF 19
											WYFFOS WAVELENGTH CALIBRATION ASSY		V/BL/1600	
											ROYAL GREENWICH OBSERVATORY MADINGLEY ROAD CAMBRIDGE CB3 0EZ			



MATERIAL

DIM IN MM SCALE 1/4

G.A. NO.

FINISH

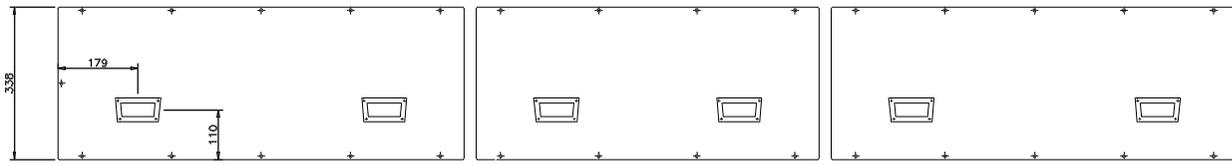
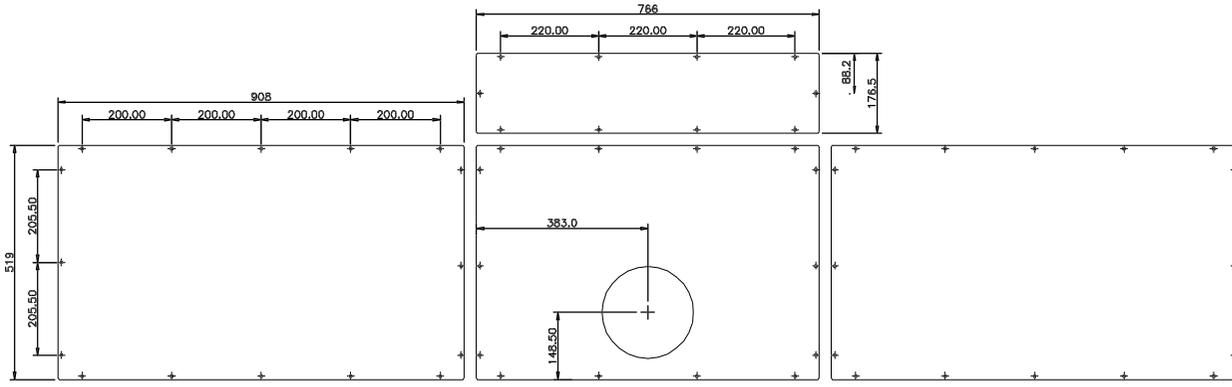
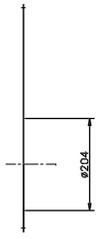
DRG NO. NO REQ
USED ON

TITLE
ROYAL GREENWICH OBSERVATORY
MADINGLEY ROAD
CAMBRIDGE CB3 0EZ

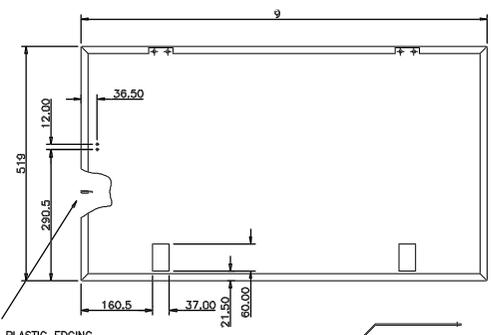
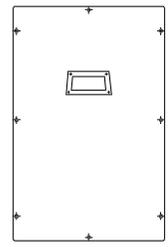
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DATE

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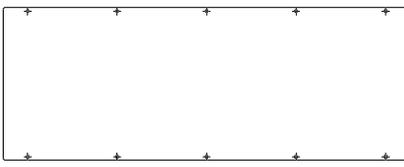
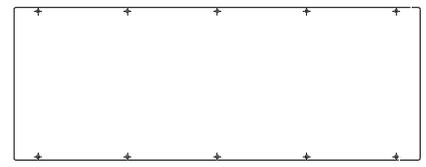
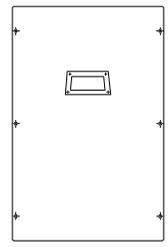
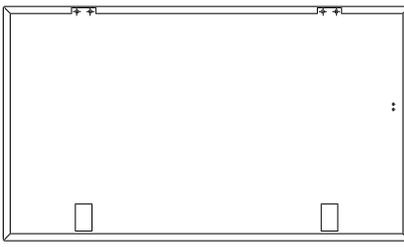
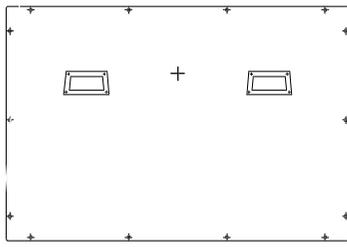


FIT RS 826-183
(HOLE TO SUIT)



SUITABLE PLASTIC EDGING
(CUT TO CLEAR HINGES)

FIT DZUS 2102



2		PANEL ASSY DETAILS	
UNFIN.	SCALE	TOLERANCES	
ALUM ALLOY	1/4	X ±0.3	
BLK ANODISE	1 SET	XX ±0.3	
DRG NO.	R.C.C.	XXX ±0.1	
V/BL/1600	V/BL/1602		

				TOLERANCES (UNLESS OTHERWISE STATED)		MATERIAL		DIM IN MM		SCALE 1/4		THIRD ANGLE PROJECTION		G.A. NO.	
				X +/-								ROYAL GREENWICH OBSERVATORY		DRG NO.	
				XX +/-		FINISH						MADINGLEY ROAD		V/BL/1602	
				XXX +/-								CAMBRIDGE CB3 0EZ		TITLE	
				ANG +/-								PANEL ASSY DETAILS		FILE BL1602	
ISSUE	MOD. NO.	DATE	DRAWN BY	ISSUE	MOD. NO.	DATE	DRAWN BY	USED ON							
						27/02/97	PROMECH								

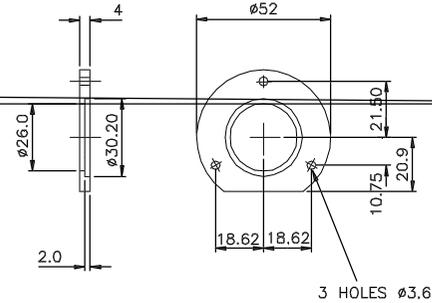
Drawing No. 1617
W/BL/1611

REMOVE ALL SHARP EDGES

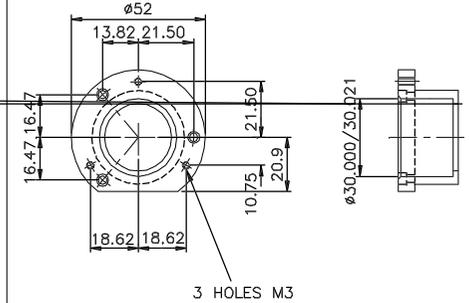
TECHNO-ISEL
STEPPING MOTOR
300 Ncm CODE 398002

FIT 'FLAG' TO MOTOR SHAFT
KNOB AND PROXIMITY SWITCH
AS SHOWN

REMOVE ALL SHARP EDGES



REMOVE ALL SHARP EDGES



11 TITLE			
STEPPING MOTOR DRIVE			
MATERIAL	SCALE	TOLERANCES	
SEE DRG	FULL	x	±0.5
FINISH	No. REQD. PER UNIT	x.x	±0.3
BLK	3	x.xx	±0.1
G.A. No.	DRAWING No.		
V/BL/1600	R.G.O. W/BL/1611		

12 TITLE			
BRG PLATE			
MATERIAL	SCALE	TOLERANCES	
ALUM ALLOY	FULL	x	±0.5
FINISH	No. REQD. PER UNIT	x.x	±0.3
BLK ANODISE	3	x.xx	±0.1
G.A. No.	DRAWING No.		
V/BL/1600	R.G.O. W/BL/1612		

13 TITLE			
BRG HOUSING			
MATERIAL	SCALE	TOLERANCES	
ALUM ALLOY	FULL	x	±0.5
FINISH	No. REQD. PER UNIT	x.x	±0.3
BLK ANODISE	3	x.xx	±0.1
G.A. No.	DRAWING No.		
V/BL/1600	R.G.O. W/BL/1613		

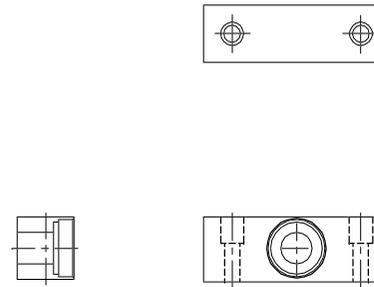
REMOVE ALL SHARP EDGES



REMOVE ALL SHARP EDGES



REMOVE ALL SHARP EDGES



REMOVE ALL SHARP EDGES

14 TITLE			
BRG SPACER			
MATERIAL	SCALE	TOLERANCES	
ALUM ALLOY	FULL	x	±0.5
FINISH	No. REQD. PER UNIT	x.x	±0.3
BLK ANODISE	3	x.xx	±0.1
G.A. No.	DRAWING No.		
V/BL/1600	R.G.O. W/BL/1614		

15 TITLE			
WASHER			
MATERIAL	SCALE	TOLERANCES	
ST STEEL	FULL	x	±0.5
FINISH	No. REQD. PER UNIT	x.x	±0.3
BLK NIC PLT	3	x.xx	±0.1
G.A. No.	DRAWING No.		
V/BL/1600	R.G.O. W/BL/1615		

16 TITLE			
BRG SUPPORT BLOCK			
MATERIAL	SCALE	TOLERANCES	
ALUM ALLOY	FULL	x	±0.5
FINISH	No. REQD. PER UNIT	x.x	±0.3
BLK ANODISE	3	x.xx	±0.1
G.A. No.	DRAWING No.		
V/BL/1600	R.G.O. W/BL/1616		

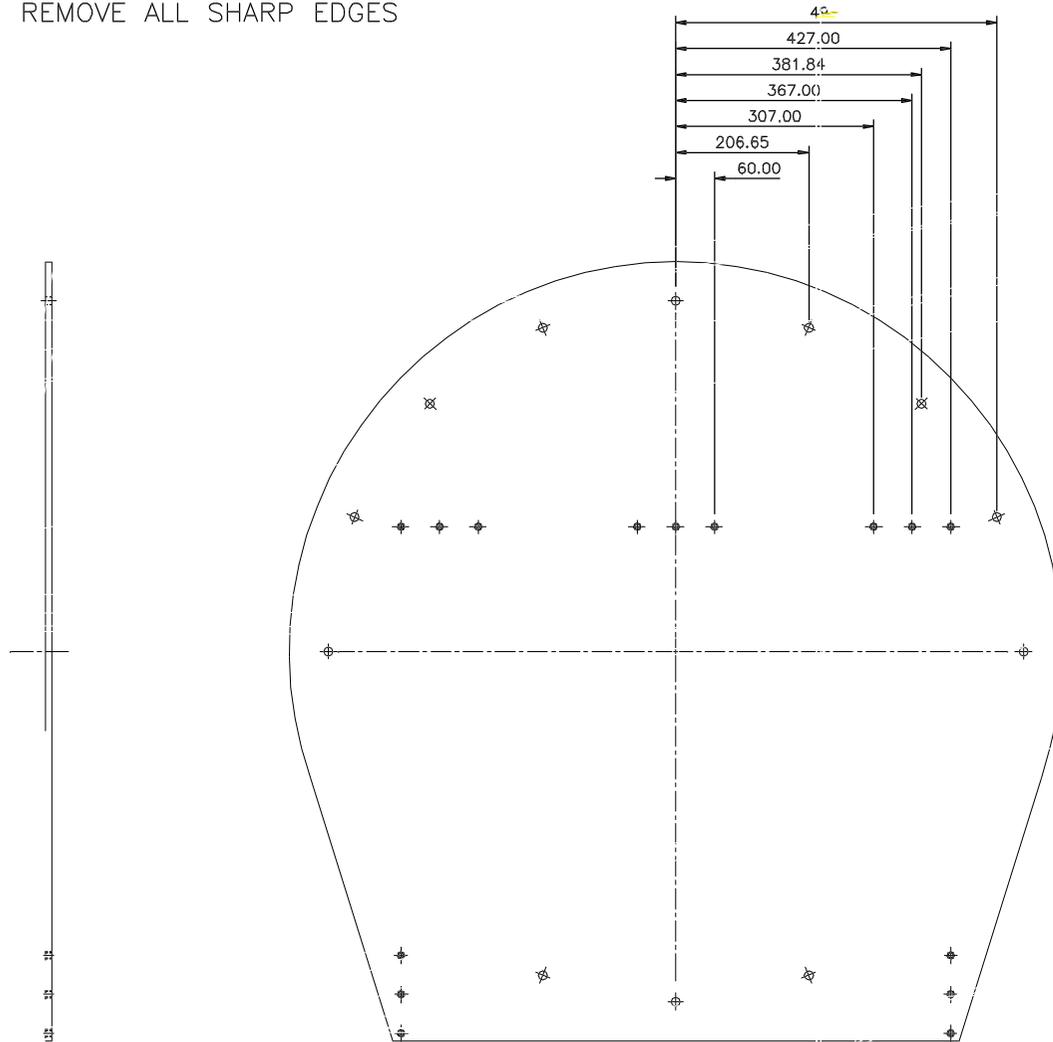
17 TITLE			
SPECIAL WASHER			
MATERIAL	SCALE	TOLERANCES	
ST STL	FULL	x	±0.5
FINISH	No. REQD. PER UNIT	x.x	±0.3
BLK	6	x.xx	±0.1
G.A. No.	DRAWING No.		
V/BL/1600	R.G.O. W/BL/1617		

Issue	Mod.No	Date	Drawn by	Issue	Mod.No	Date	Drawn by	Material	Finish	Drg.No.	No.Req.	Dimns.in	m.m.	Scale	ROYAL GREENWICH OBSERVATORY MADINGLEY ROAD CAMBRIDGE CB3 0EZ	Title	THIRD ANGLE PROJECTION	GA No.	Drawing No. 1617 W/BL/1611
						27/02/97	PROMECH									DETAILS			

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	
V / BL / 1600	4		GENERAL ASSY.							
V / BL / 1601	1	1	FRAME ASSY	1						
V / BL / 1602	1	2	PANELS ASSY	1						
W / BL / 1603	1	3	TOP PLATE	1						
W / BL / 1604	1	4	CENTRE PLATE	1						
W / BL / 1605	1	5	LOWER PLATE	1						
W / BL / 1606	1	6	CENTRE FILTER PLATE	1						
W / BL / 1607	1	7	LOWER FILTER PLATE	1						
W / BL / 1608	1	8	TABLE PLATE	2						
W / BL / 1609	1	9	MOTOR PLATE	1						
/ /		10	RAIL END PLATE	1						
W / BL / 1611	1	11	STOPPING MOTOR DRIVE	3						
/ /		12	BEARING PLATE	3						
/ /		13	BEARING HOUSING	3						
/ /		14	BEARING SPACER	3						
/ /		15	WASHER	3						
/ /		16	BEARING SUPPORT BLOCK	3						
/ /		17	SPECIAL WASHER	6						
W / BL / 1618	1	18	SUPPORT STRAP	4						
/ /		19	SUPPORT STRAP	2						
/ /		20	SWITCH PLATE	16						
/ /		21	SWITCH CAM	3						
/ /		22	REFLECTOR SUPPORT BRACKET	4						
/ /										
W / BL / 1624	1	24	BACK PLATE	1						
W / BL / 1625	1	25	L/H TOP PLATE	1						
/ /		26	CTR TOP PLATE	1						
/ /		27	R/H TOP PLATE	1						
/ /		28	L/H BOTTOM PLATE	1						
/ /		29	R/H BOTTOM PLATE	1						
W / BL / 1630	1	30	MOUNTING PLATE	2						
/ /		31	LIFTING BLOCK	1						
/ /		32	BAR	2						
/ /		33	BAR	2						
/ /		34	L/H BRACKET	1						
/ /		35	R/H BRACKET	1						
W / BL / 1636	1	36	SHOULDER SCREW	4						
/ /		37	SHOULDER SCREW	2						
JOB TITLE	WYFFOS WAVELENGTH CALIB ASSY					ASS'Y DRG No. V/BL/1600	SHEET No. 1 of 3	DRAWN BY PROMECH DATE 04/03/97		
ROYAL GREENWICH OBSERVATORY, MADINGLEY ROAD, CAMBRIDGE										

Drawing No.
W/BL/1624

REMOVE ALL SHARP EDGES

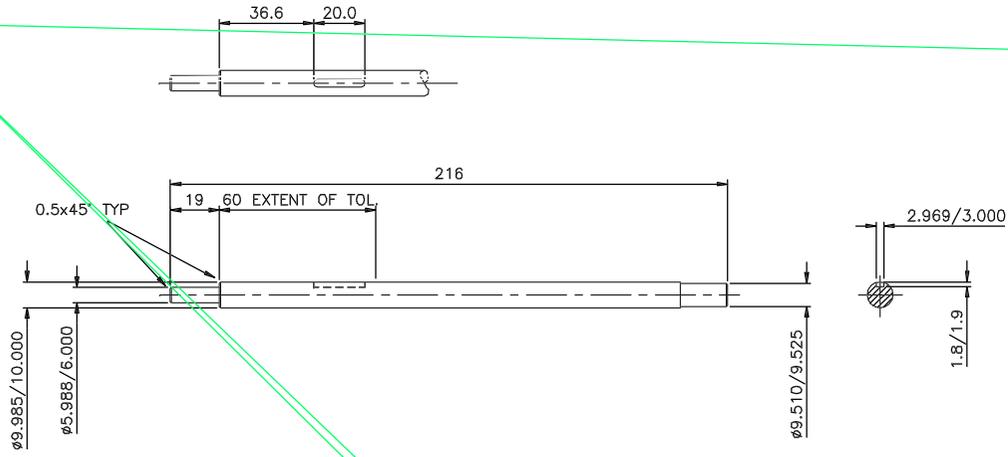


24		TITLE	
BACK PLATE			
MATERIAL	SCALE	TOLERANCES	
ALCOA PLT	1/4	x	±0.5
FINISH	No. RECD. PER UNIT	x.x	±0.3
BLK ANODISE	1	x.xx	±0.1
G.A. No.	R.G.O.	DRAWING No.	
V/BL1600	W/BL/1624		

						Tolerance (Unless otherwise stated)		Material		Dimns. in m.m.		Scale		THIRD ANGLE PROJECTION		Title	
						X	+/-			ROYAL GREENWICH OBSERVATORY				DETAIL			
						X.X	+/-	Finish		Drg.No.		No.Req.				MADINGLEY ROAD	
						X.XX	+/-			Used on				CAMBRIDGE CB3 0EZ			
Issue	Mod.No	Date	Drawn by	Issue	Mod.No	Date	Drawn by										

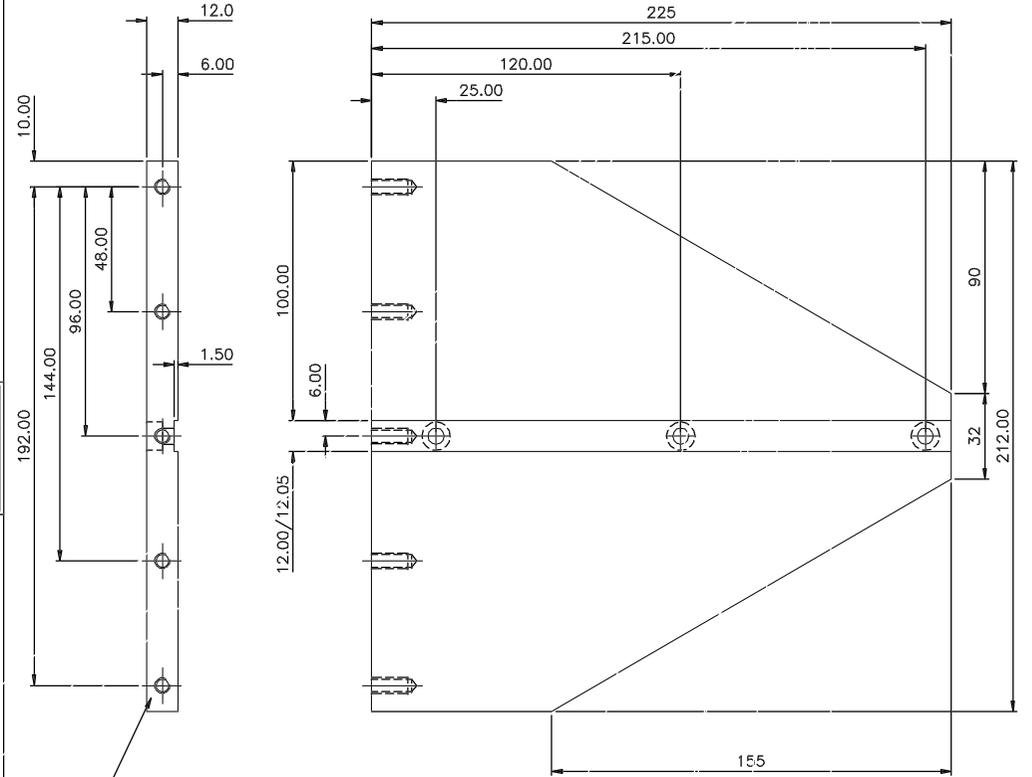
Drawing No. 1661
W/BL/1659

REMOVE ALL SHARP EDGES



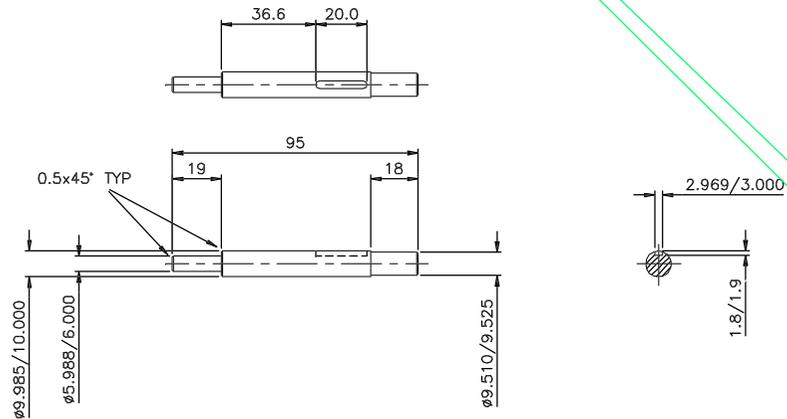
60			TITLE		
CONN. SHAFT - LONG					
MATERIAL	SCALE	TOLERANCES			
ST STEEL	FULL	X ±0.5			
FINISH	No. RECD. PER UNIT	XX ±0.3			
BLK	1	XXX ±0.1			
G.A. No.	DRAWING No.				
V/BL/1600	R.G.O. W/BL/1660				

REMOVE ALL SHARP EDGES



5 HOLES M6 x 14 DEEP

REMOVE ALL SHARP EDGES

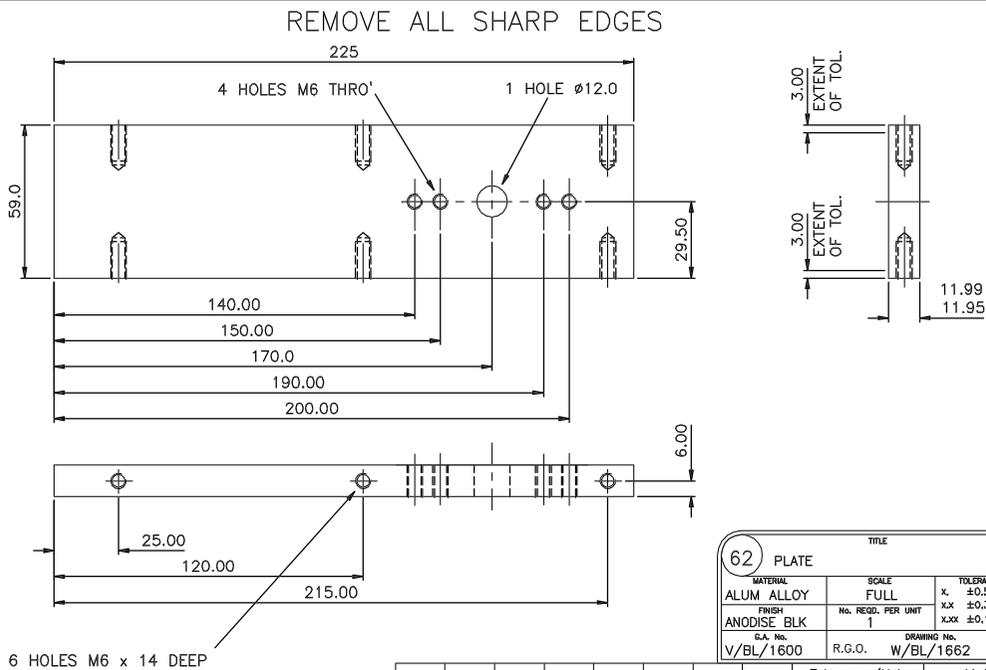


59			TITLE		
CONN. SHAFT - SHORT					
MATERIAL	SCALE	TOLERANCES			
ST STEEL	FULL	X ±0.5			
FINISH	No. RECD. PER UNIT	XX ±0.3			
BLK	2	XXX ±0.1			
G.A. No.	DRAWING No.				
V/BL/1600	R.G.O. W/BL/1659				

61			TITLE		
WEB					
MATERIAL	SCALE	TOLERANCES			
ALUM ALLOY	FULL	X ±0.5			
FINISH	No. RECD. PER UNIT	XX ±0.3			
ANODISE BLK	2	XXX ±0.1			
G.A. No.	DRAWING No.				
V/BL/1600	R.G.O. W/BL/1661				

Material		Dimns. in m.m.		Scale		THIRD ANGLE PROJECTION		GA No.	
Tolerance (Unless otherwise stated)		ROYAL GREENWICH OBSERVATORY		MADINGLEY ROAD		Title		Drawing No. 1661	
X +/-		CAMBRIDGE CB3 0EZ		DETAILS		W/BL/1659		FILE BL1659	
X.X +/-									
X.XX +/-									
X.XXX +/-									
ANG. +/-									
Issue	Mod.No	Date	Drawn by	Issue	Mod.No	Date	Drawn by		
		27/02/97	PROMECH						

Drawing No.
W/BL/1662



62 PLATE		TITLE	
MATERIAL	SCALE	TOLERANCES	
ALUM ALLOY	FULL	x	±0.5
FINISH	No. REQD. PER UNIT	x.x	±0.3
ANODISE BLK	1	x.xx	±0.1
E.A. No.	DRAWING No.		
V/BL/1600	R.G.O. W/BL/1662		

										THIRD ANGLE PROJECTION		GA No.	
												Drawing No.	
Issue		Mod.No		Date		Drawn by		Issue		Mod.No		Date	
				27/02/97		FROMECH						W/BL/1662	
						Tolerance (Unless otherwise stated)		Material		Dimns.in m.m.		Scale	
						x x.x x.xx x.xxx +/- +/-		Finish		Drg.No.		No.Req.	
						ANG.		Used on		ROYAL GREENWICH OBSERVATORY		Title	
										MADINGLEY ROAD		DETAILS	
										CAMBRIDGE		CB3 0EZ	

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/ BL / 1250	1		GENERAL ASSY.						
W/ BL / 1251	1	1	BRACKET ASSY.	1					
W/ BL / 1252	1	2	BASE PLATE	1					
/ /		3							
/ /		4							
/ /		5							
/ /		6							
/ /		7							
/ /		8							
W/ BL / 603	1	9	CLAMP LEG	3					
/ /604		10	CLAMP BUSH	3					
/ /605		11	CLAMP	3					
/ /606		12	SCREW CLAMP	2					
/ /607		13	BUTTON	3					
/ /608		14	SUPPORT BUSH(CONE)	1					
/ /609		15	ADJUSTER SCREW	3					
W/ BL / 610	1	16	SUPPORT BUSH(VEE)	1					
/ /611		17	SUPPORT BUSH(FLAT)	1					
/ /613		18	BASE CLAMP	3					
W/ BL / 307	1	19	SCREW CLAMP(OPPOSITE HAND)	1					
/ /		20							
/ /		21							
/ /		22	SOC HD CAP SCREW M5 x 20	12					
/ /		23	SOC HD CAP SCREW M10 x 90	3					
/ /		24	HEX HD SCREW M6 x 35	3					
/ /		25	HEX HD SCREW M5 x 20	3					
/ /		26	SOC HD CAP SCREW M5 x 12	3					
/ /		27	SOC HD CAP SCREW M4 x 16	6					
/ /		28	PLAIN WASHER M10	3					
/ /		29	SPRING WASHER M6	3					
/ /		30	SPRING WASHER M5	3					
/ /		31	DOWEL PIN ϕ 4 x 15 LONG	3					
/ /		32	ROLL PIN ϕ 3 x 10 LONG	3					
/ /									
/ /									
/ /									
/ /									
JOB TITLE WYFFOS WAVELENGTH CALIBRATION ASSY.						ASS'Y DRG No. W/BL/1250	SHEET No. 1 of 1	DRAWN BY PROMECH DATE 30/7/93	
ROYAL GREENWICH OBSERVATORY, MADINGLEY ROAD, CAMBRIDGE									