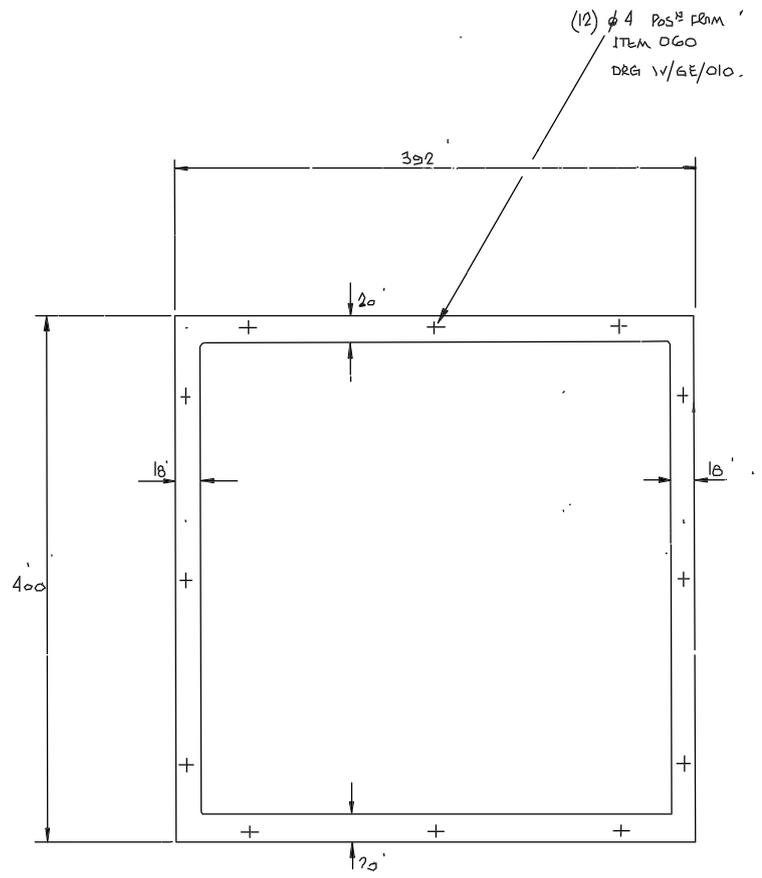


WELDED ASSY.

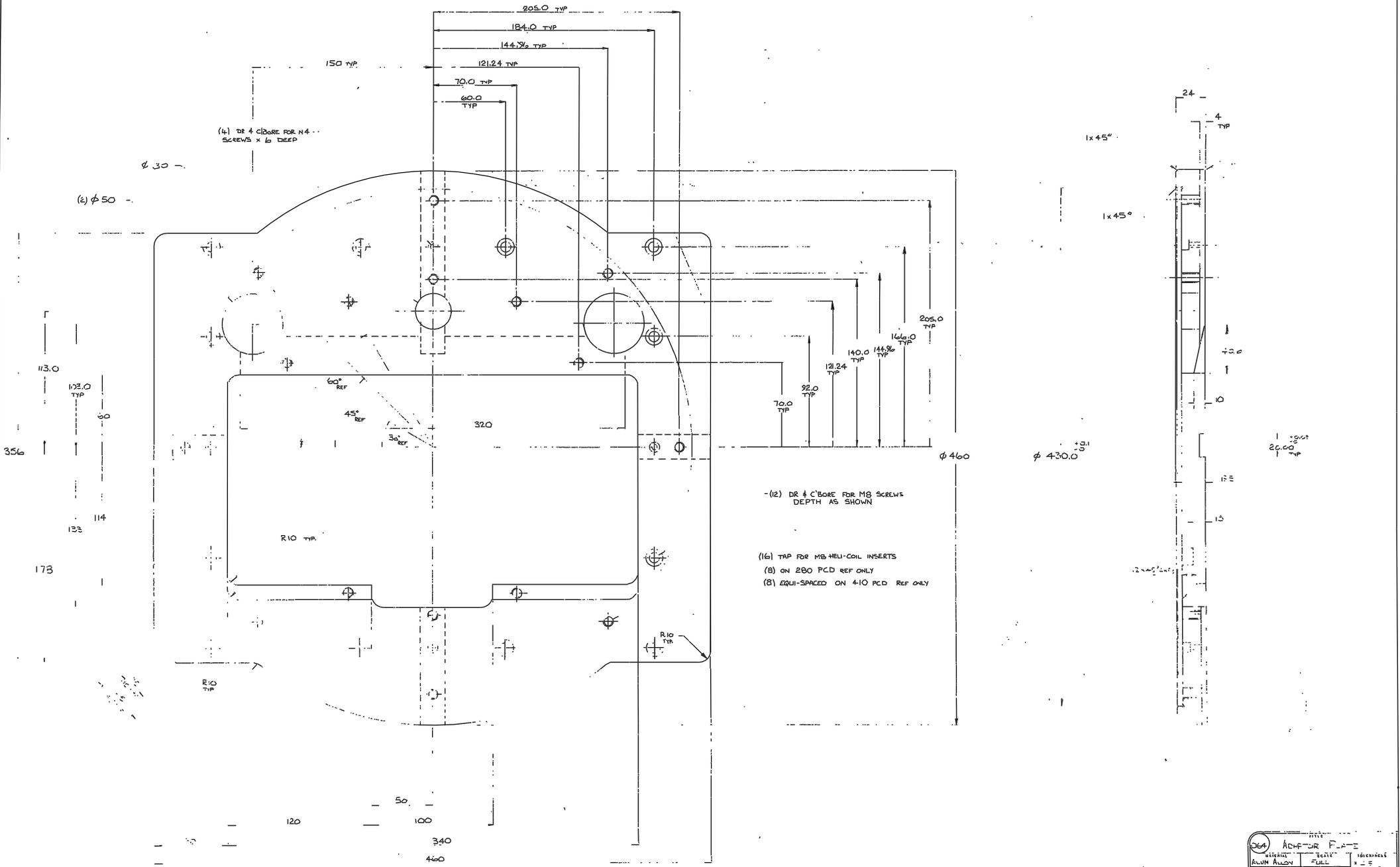


2mm THICK SH.

TITLE COVER		
MATERIAL ALUMINUM ALLOY	SCALE 1/2	TOLERANCES ± 0,3
FINISH MATT BLK ANODISED	NO REQ. PER UNIT 1	XX ± XXX ±
G.A. No.	DRAWING No. R.G.O. W/GE/010	

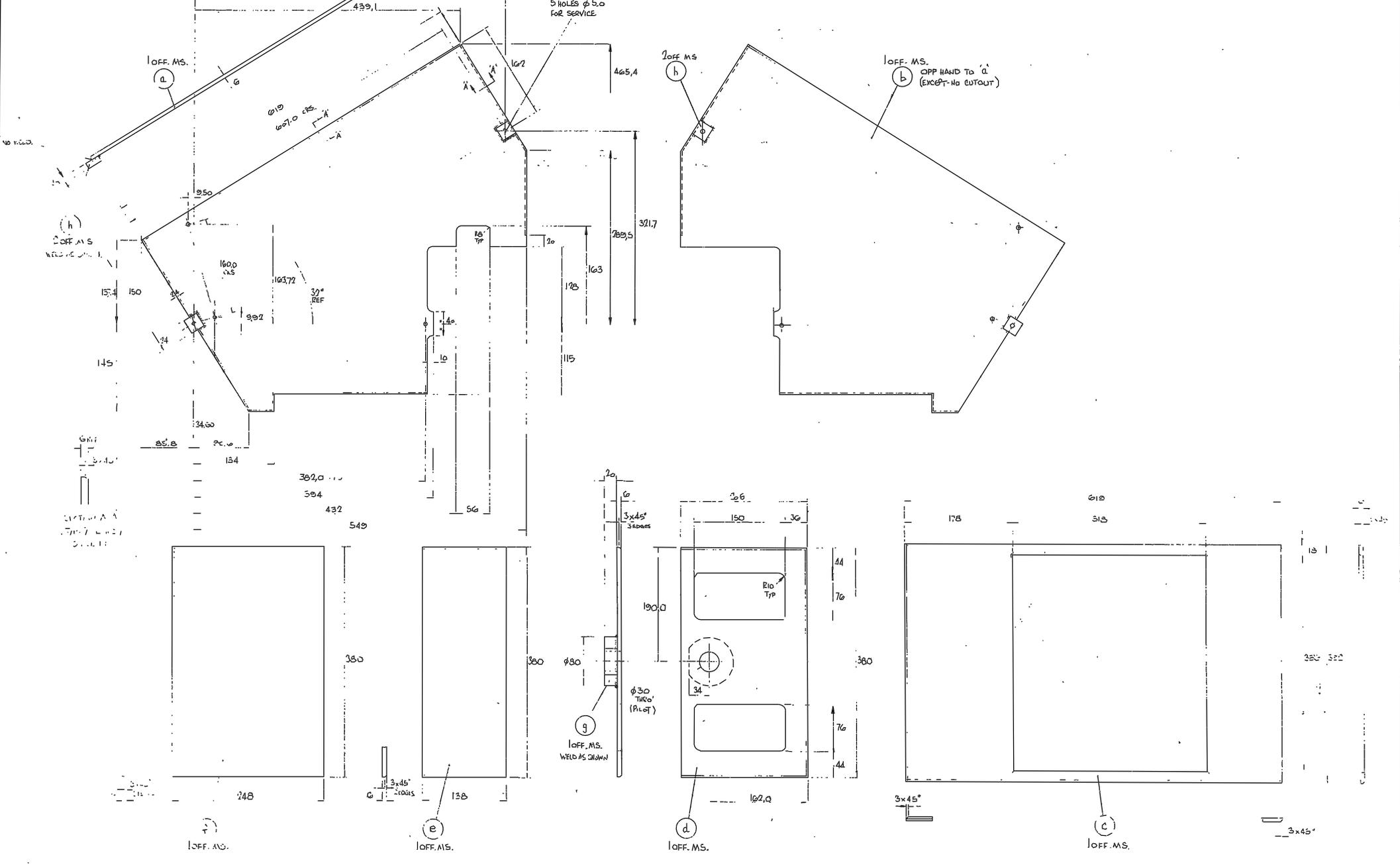
TITLE GASKET		
MATERIAL RUBBER SH	SCALE 1/1	TOLERANCES ± 0,3
FINISH BLACK	NO REQ. PER UNIT 1	XX ± XXX ±
G.A. No.	DRAWING No. R.G.O. W/GE/011	

Tolerances (Unless otherwise stated)						Material		Dimms in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No.	
X ±						Finish		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM		SUSSEX.		Title		Drawing No.	
XX ±								Drg. No.		No. Req.		DETAILS		W/GE/010	
XXX ±								Used on						011	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By								

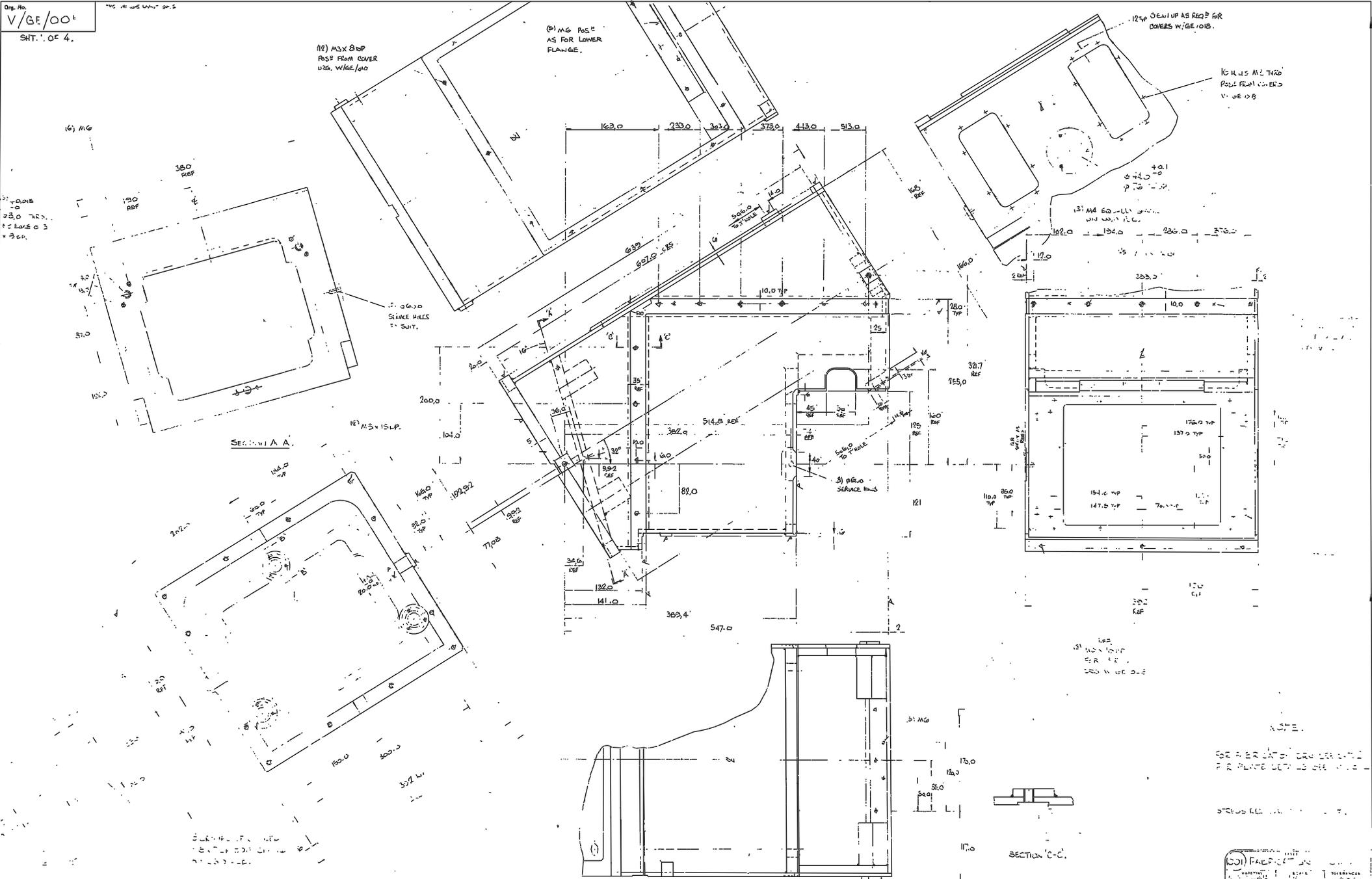


DATE	APPROVED	SCALE	TOLERANCES
20/07/85	ALAN ALLEN	1/1	AS SHOWN
DESIGNED	DRAWN	CHECKED	APP'D
ALAN ALLEN	ALAN ALLEN	ALAN ALLEN	ALAN ALLEN
MATERIAL		SHEET NO.	
SUSSEX		2	
DRAWN BY		SHEET NO.	
ALAN ALLEN		2	
DATE		SHEET NO.	
20/07/85		2	

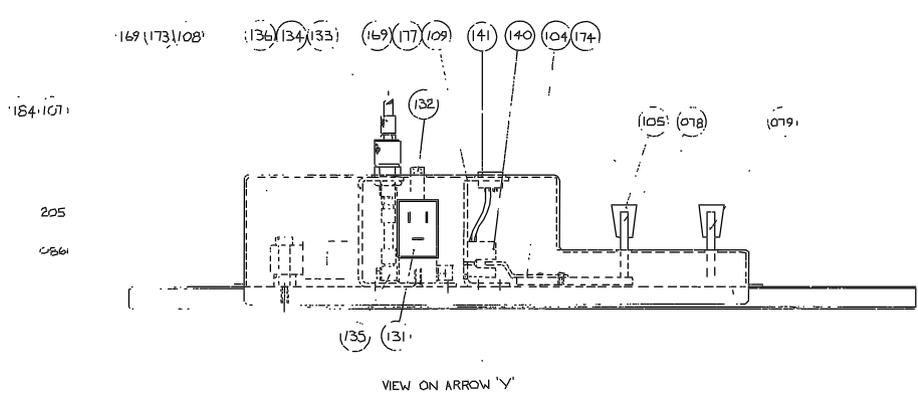
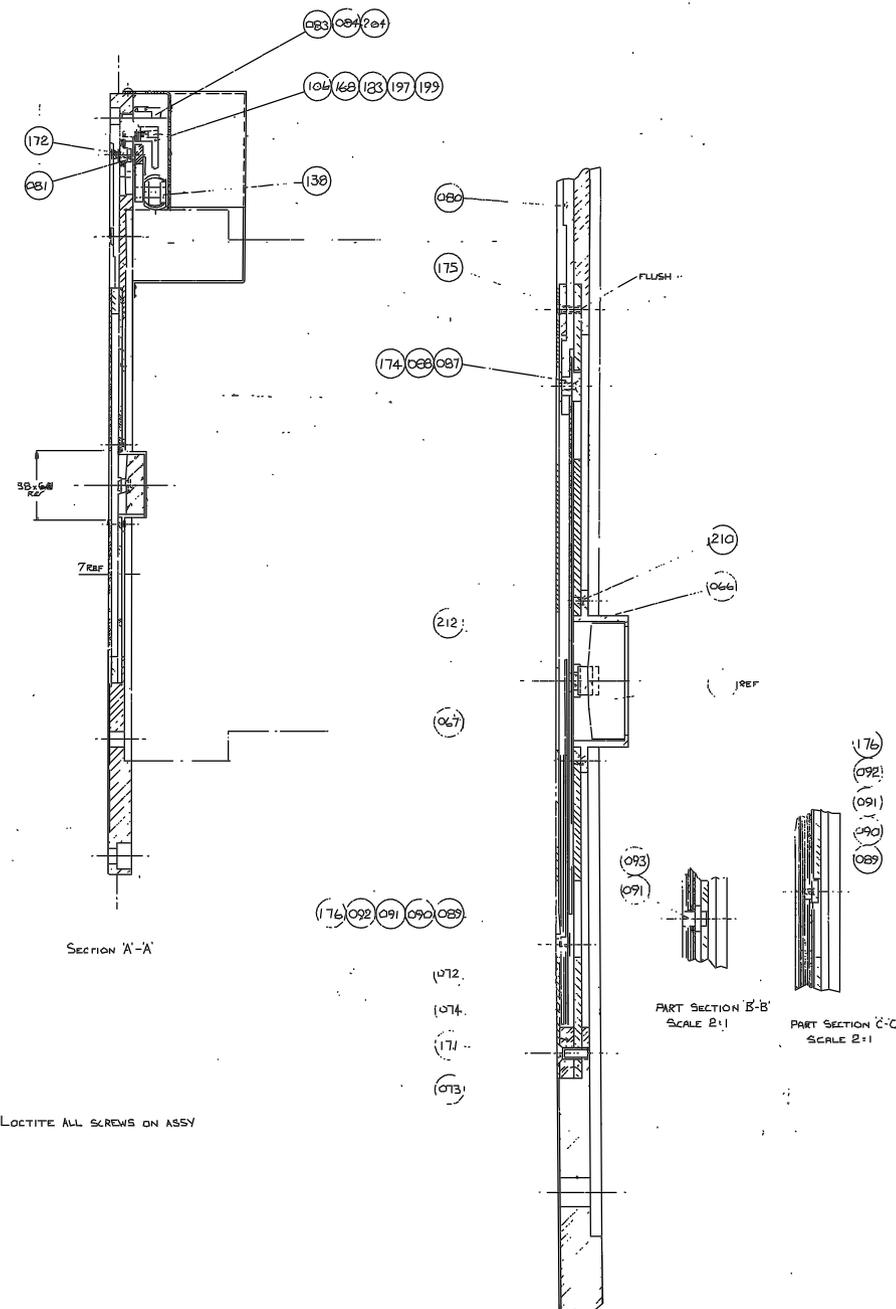
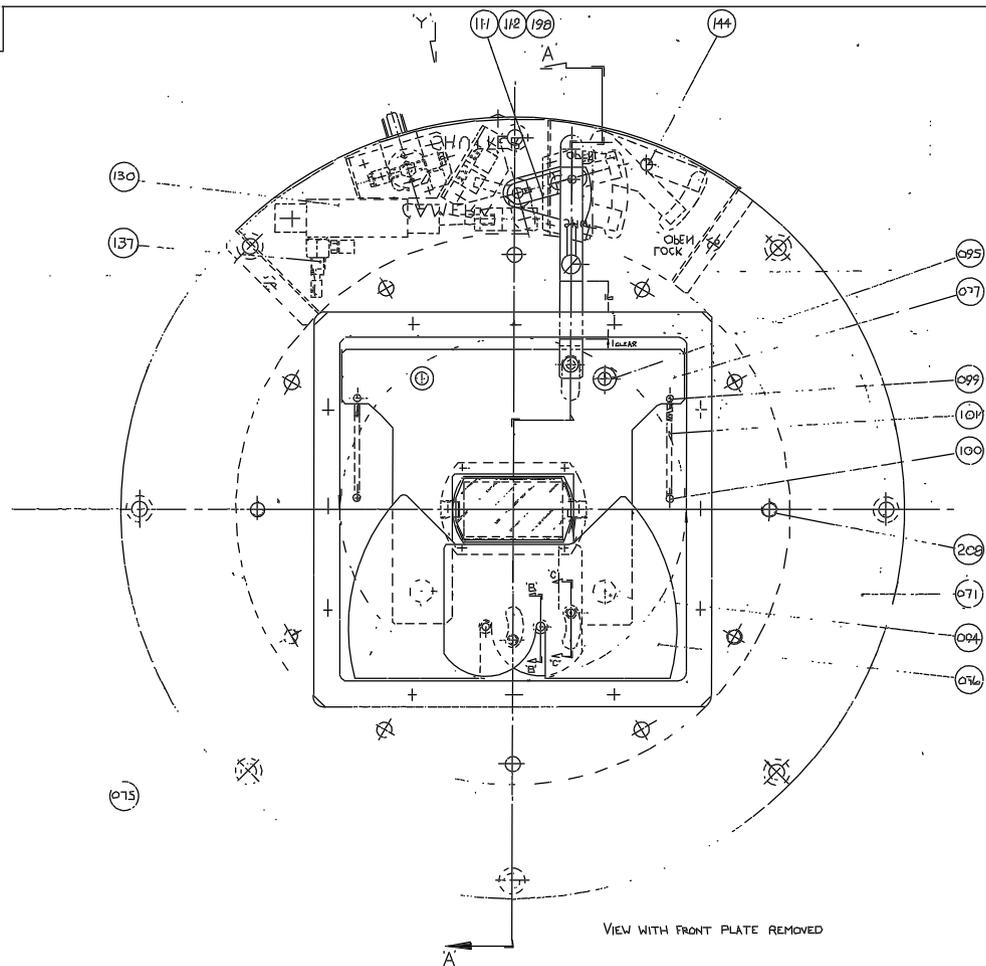
								Tolerances (Unless otherwise stated)		Material		Dimms. in m.m.		Scale 1/1		THIRD ANGLE PROJECTION		G.A. No.	
								X ±		Finish		Org. No.		ROYAL GREENWICH OBSERVATORY,		Title		Drawing No.	
								XX ±		Used on		No. Req.		HERSTMONCEUX CASTLE,		DETAIL		V/GE/002	
								XXX ±						HAILSHAM		SUSSEX.			
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By												



								Tolerances (Unless otherwise stated)		Material		Dimms. in m.m.		Scale		THIRD ANGLE PROJECTION		GA No. SHT 3 OF 4	
				1				X ±		Finish		Dr. No.		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM		Title		Drawing No.	
Issue	Mnd. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	XX ±	Used on	No. Raq.		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM		DETAIL		V/GE/001			
								XXX ±											



		2		MAR 1960		PROV.EC		Tolerances (Unless otherwise stated)		Material		Dimns. in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No. 341 OF 4	
		1		18 JULY 1965		PROV.EC		X ±		MILD STEEL FABR		Dwg. No.		No. Rev.		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HALLSHAM, SUSSEX.		Drawing No.	
Issue		Mod. No.		Date		Drawn By		Finish UNMACHINED FACES TO BE FINISHED BLACK.		Used on						DETAIL		V/GE/001	

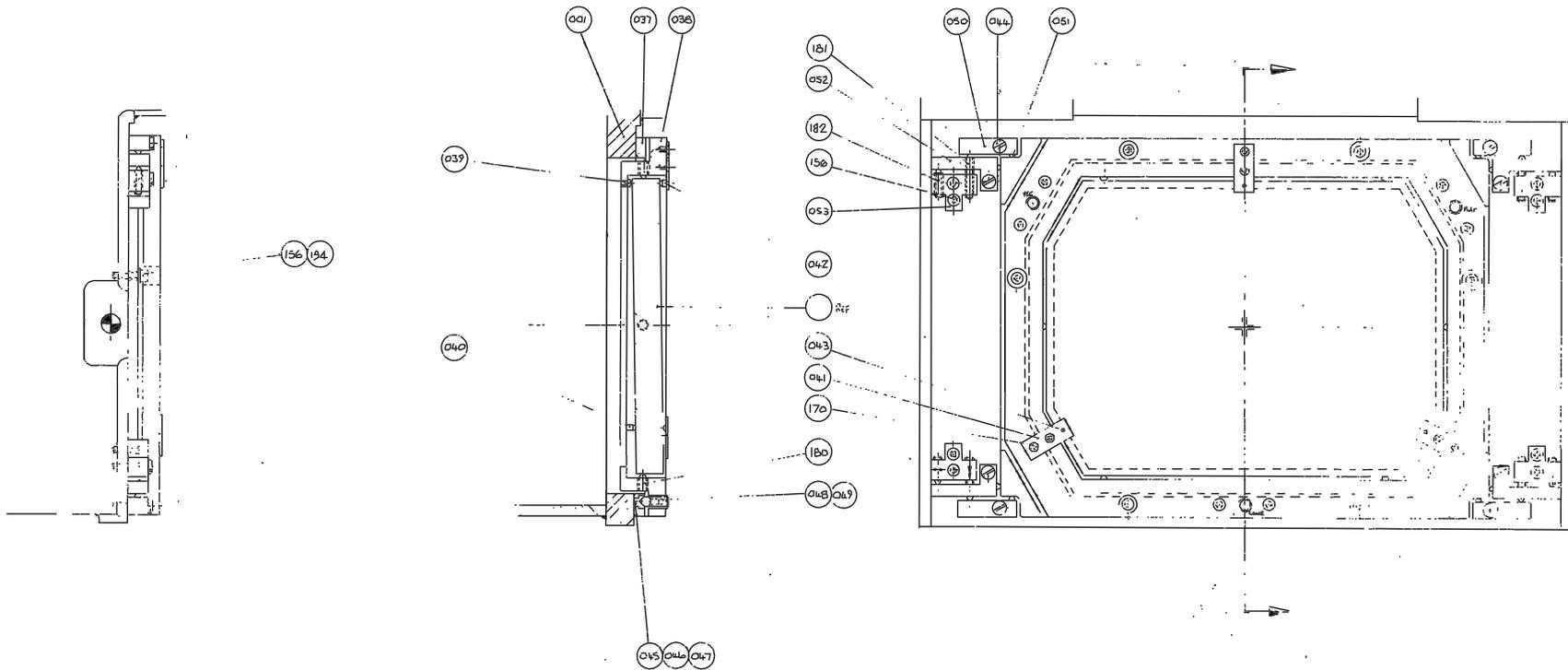


NOTE: LOCTITE ALL SCREWS ON ASSY

ENLARGED PART SECTION A-A SCALE 2:1

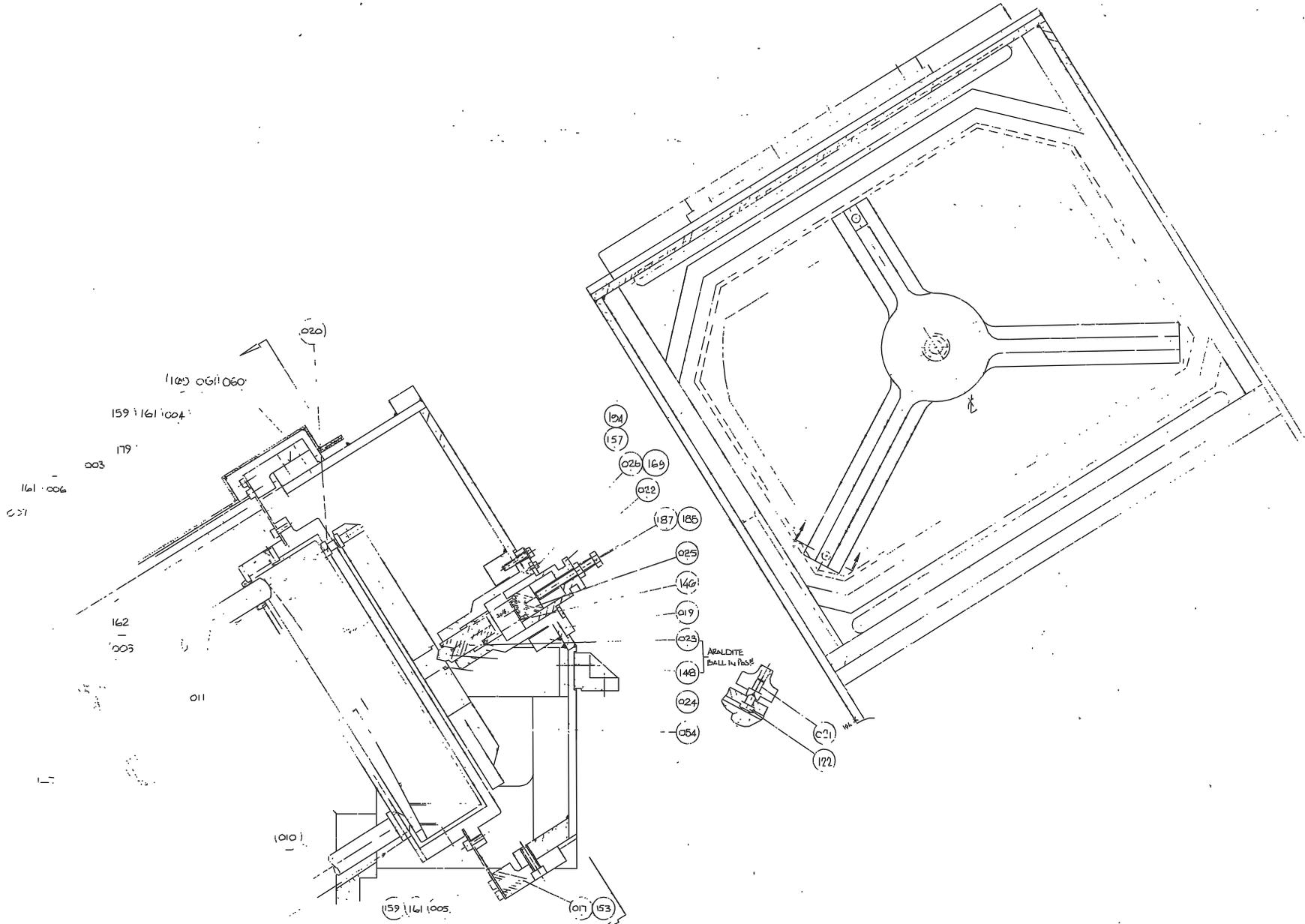
SHUTTER & FIELD LENS MOUNTS

Tolerances (Unless otherwise stated)						Material		Dimns. in m.m.		Scale 1:1 & 2:1		THIRD ANGLE PROJECTION		GA No. SHT 6 OF 6		
Y ±						Finish		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM SUSSEX.		Title		4.2 'ISIS' SPECTROGRAPH - RED CAMERA SYSTEM		Drawing No. V/GE/000		
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Dep. No.	No. Req.	Used on						



ASPHERIC LENS MOUNTING

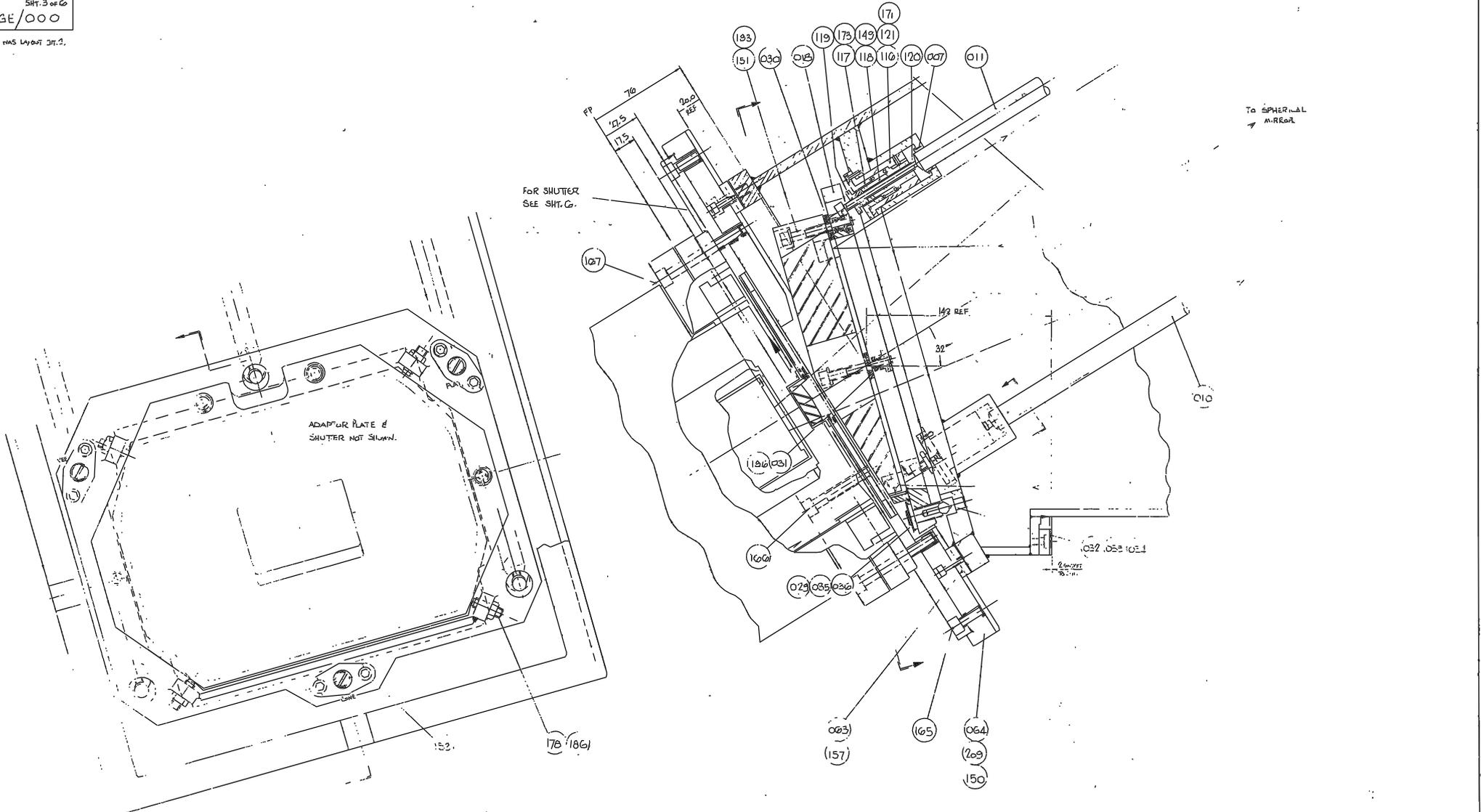
						Tolerances (Limits otherwise stated) X ± XX ± XXX ±		Material Finish		Dimns. in mm. Scale 1/1 ROYAL GREENWICH OBSERVATORY, HERSTWONCEUX CASTLE, HAILSHAM SUSSEX.		Title THIRD ANGLE PROJECTION 4.2 M ISIS SPECTROGRAPH INTERCHANGEABLE RED CAMERA MODULE		G.P. No. SH. 5 OF 6 Drawing No. V/GE/000	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By			Dwg. No.	No. Pgs.				
						JULY 85	PR-MLE								



				MAR 1984 JULY 1985 PERM/EC				Tolerances (unless otherwise stated) X ± XX ± XXX ±		Material Finish		Dimns. in m.m. Scale 1/1		THIRD ANGLE PROJECTION 4.2 M 1515 SPECTROGRAPH INTERCHANGEABLE RED CAMERA MODULE		G.A. No. 007.1.2.0 Drawing No. V, GE, 000	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By			Dwg. No.	No. Rec.						
				1													

CPH 11/2/85

THIS SHIT HAS LAYOUT SHIT. 2.



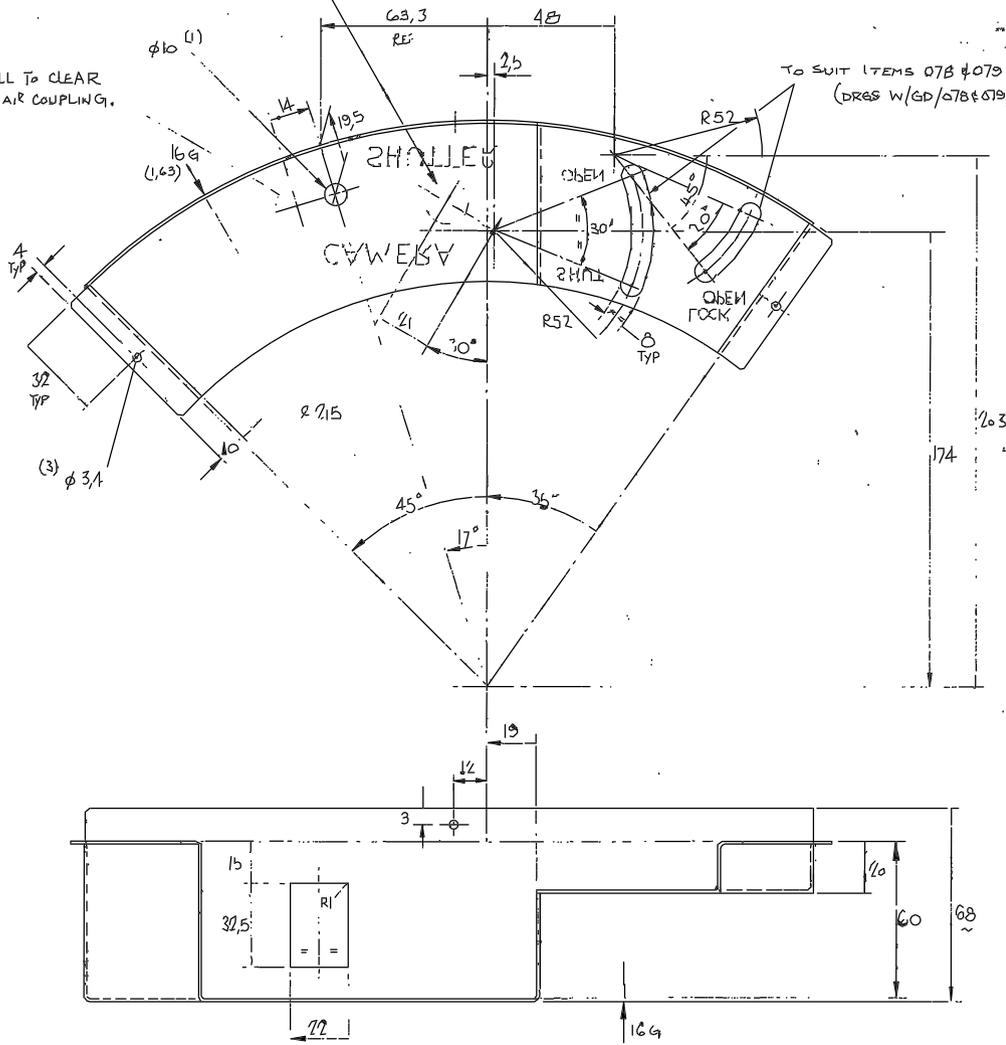
		2		MAR 1966		PR:MEC	Tolerances (Unless otherwise stated) X ± XX ± XXX ±	Material	Dimns. in m.m.		Scale 1/1	THIRD ANGLE PROJECTION		GA. No. SHIT. 3 OF 6
		1		JULY 1965		PR:MEC			Finish	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM		Title 4.2M '1515' SPECTROGRAPH INTERCHANGEABLE 'RED' CAMERA MODULE.		Drawing No. V/GE/000
3		AVG	BS	DNQ					Drq. No.	No. Req.				
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Used on						

Drawing No. 107
 To 109
 W/GD/109

DRILL HOLE TO CLEAR ELEC SOCKET, ITEM 141

DRILL TO CLEAR 1/2 AIR COUPLING.

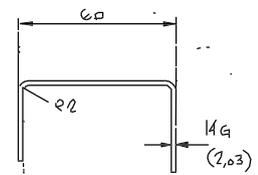
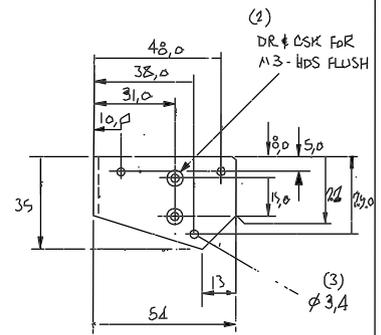
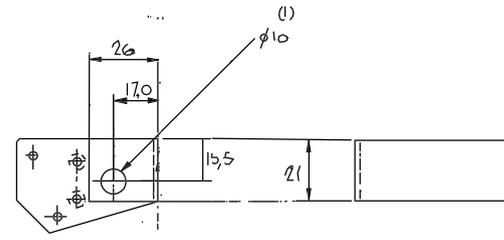
TO SUIT ITEMS 07B & 079 (DRES W/GD/578 & 579)



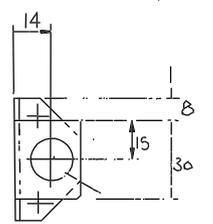
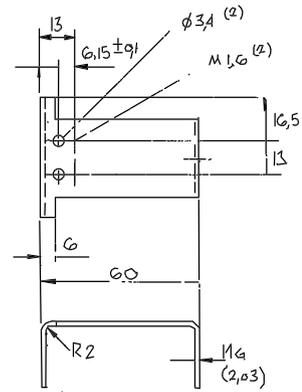
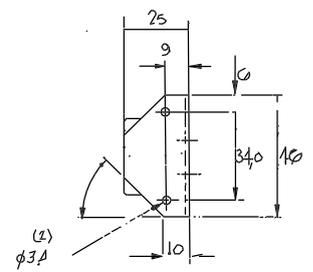
NOTE! MARK ON REVERSE IN BOLD LETTERING.
 "SHUT", "OPEN", "LOCK OPEN",
 # "CAMERA SHUTTER".

WELDED CONSIDERED AS REQD

37		TITLE COVER	
MATERIAL ALUM ALLOY	SCALE 1/1	TOLERANCES X ± 0.25 XX ± 0.12 XXX ±	
FINISH MATT BLK ANODISE	NO REQD PER UNIT 1		
G.A. No.	DRAWING No. R.G.O. W/GD/107		



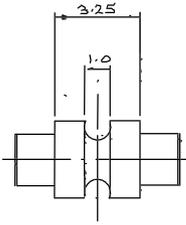
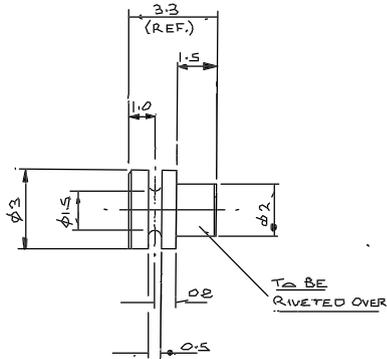
38		TITLE SOLENOID BRACKET	
MATERIAL ALUM ALLOY	SCALE 1/1	TOLERANCES X ± 0.25 XX ± 0.12 XXX ±	
FINISH MATT BLK ANODISE	NO REQD PER UNIT 1		
G.A. No.	DRAWING No. R.G.O. W/GD/108		



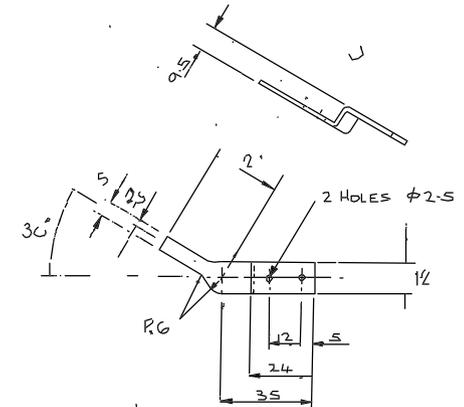
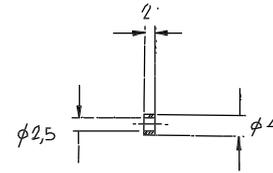
DR. TO SUIT ELEC SOCKET, ITEM 141.

39		TITLE SWITCH BRKT	
MATERIAL ALUM ALLOY	SCALE 1/1	TOLERANCES X ± 0.25 XX ± 0.12 XXX ±	
FINISH MATT BLK ANODISE	NO REQD PER UNIT 1		
G.A. No.	DRAWING No. R.G.O. W/GD/109		

Tolerance (Unless otherwise stated)										Material		Dim in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No.	
X ±										Finish		Dwg. No.		No. Req.		ROYAL GREENWICH OBSERVATORY, HERSTONCEUX CASTLE, BAILSHAM, SUSSEX.		Drawing No.	
XX ±										Used on						DETAILS		W/GD/107	
XXX ±																		To 109	



ALL OTHER DIMS AS ITEM 29.

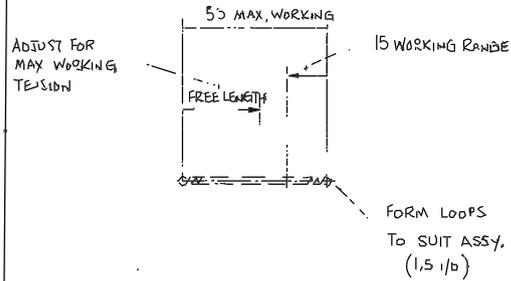


TITLE		
103 SPRING POST		
MATERIAL	SCALE	TOLERANCES
BRASS	10/1	x ±0.25
FINISH	No REQS. PER UNIT	xx ±0.12
BLK. CHROME PLT	2	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/099	

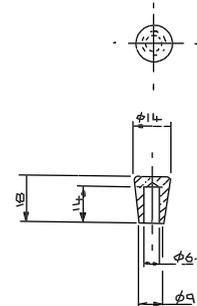
TITLE		
100 SPRING POST		
MATERIAL	SCALE	TOLERANCES
BRASS	10/1	x ±0.25
FINISH	No REQS. PER UNIT	xx ±0.12
BLK. CHROME PLT	2	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/100	

TITLE		
103 COLLAR		
MATERIAL	SCALE	TOLERANCES
ALUM. ALLOY	2/1	x
FINISH	No REQS. PER UNIT	xx
MIL. BLK ANODISE	1	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/103	

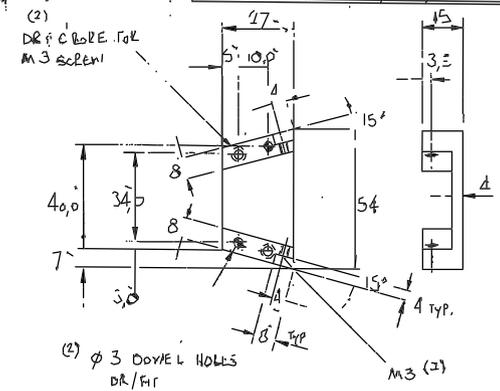
TITLE		
104 SWITCH FLAG		
MATERIAL	SCALE	TOLERANCES
BRASS	1/1	x
FINISH	No REQS. PER UNIT	xx
BLK CHROME PLT	1	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/104	



(2) MAKE FROM FLEXO N² LB 29. (1) (3/2 0/b 276) x 12"



M/C WITH ITEMS 078 & 079
(DRGS W/GD/078 & 079)



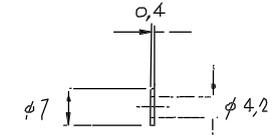
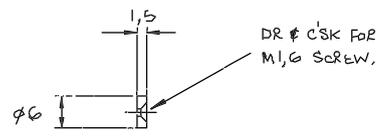
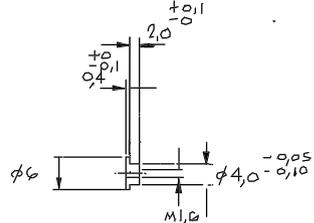
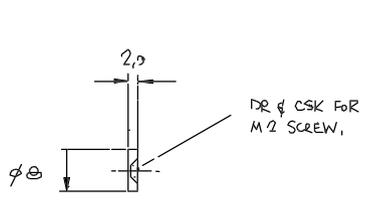
TITLE		
101 SPRING		
MATERIAL	SCALE	TOLERANCES
FLEXO N ² LB 29	1/1	x ±0.25
FINISH	No REQS. PER UNIT	xx ±0.12
BLACK	2	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/101	

TITLE		
105 KNOB		
MATERIAL	SCALE	TOLERANCES
NYLON	1/1	x
FINISH	No REQS. PER UNIT	xx ±0.1
RED	2	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/105	

TITLE		
105 KNOB		
MATERIAL	SCALE	TOLERANCES
NYLON	1/1	x
FINISH	No REQS. PER UNIT	xx ±0.1
RED	2	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/105	

TITLE		
106 STOP BLOCK		
MATERIAL	SCALE	TOLERANCES
ALUM. ALLOY	1/1	x
FINISH	No REQS. PER UNIT	xx ±0.1
MIL. BLK ANODISE	1	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/106	

Drawing No. **088**
TO
090



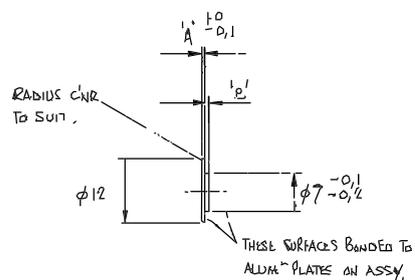
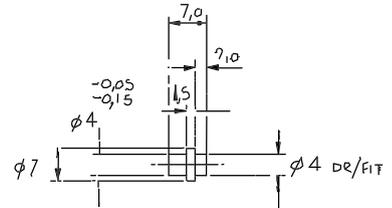
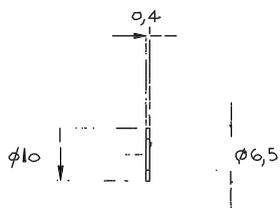
USE PUNCHES TO MANUF.

TITLE		
088 CAP		
MATERIAL	SCALE	TOLERANCES
ST. STL	2/1	x ±0.25
FINISH	No REQS. PER UNIT	xx ±0.12
BLK NIC. PLT	1	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/088	

TITLE		
089 BEADING		
MATERIAL	SCALE	TOLERANCES
ST. STL	2/1	x ±0.25
FINISH	No REQS. PER UNIT	xx ±0.12
BLK NIC. PLT	2	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/089	

TITLE		
090 LAP		
MATERIAL	SCALE	TOLERANCES
ST. STL	2/1	x ±0.25
FINISH	No REQS. PER UNIT	xx ±0.12
BLK NIC. PLT	2	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/090	

TITLE		
091 SPACER		
MATERIAL	SCALE	TOLERANCES
P.T.F.E.	2/1	x ±0.25
FINISH	No REQS. PER UNIT	xx ±0.12
STAIN. BLK	0	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/091	



DIMENSION 'A'
4 OFF 0.5 ITEM 094
2 OFF 2.0 ITEM 095

DIMENSION 'S'
2.0
1.0

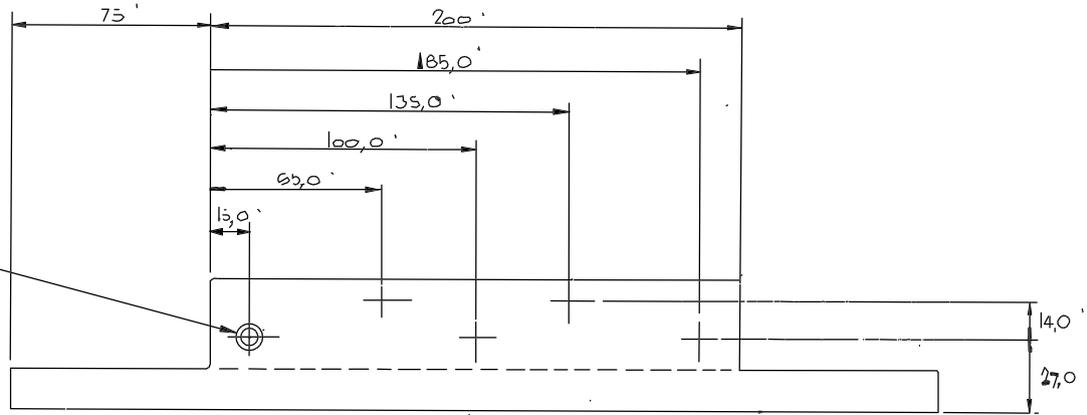
USE PUNCHES TO MANUF.

TITLE		
092 SPACER		
MATERIAL	SCALE	TOLERANCES
P.T.F.E.	2/1	x ±0.25
FINISH	No REQS. PER UNIT	xx ±0.12
STAIN. BLK	2	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/092	

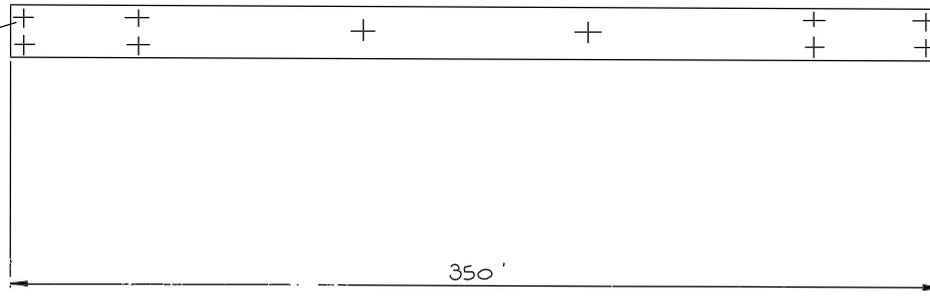
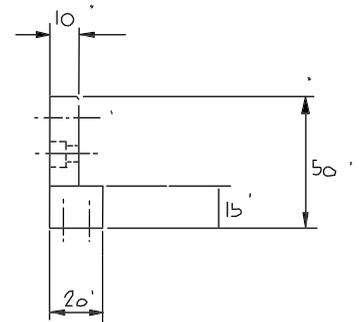
TITLE		
093 PIVOT		
MATERIAL	SCALE	TOLERANCES
ST. STL	2/1	x ±0.25
FINISH	No REQS. PER UNIT	xx ±0.12
BLK NIC. PLT	2	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/093	

TITLE		
094, 095 PAD		
MATERIAL	SCALE	TOLERANCES
P.T.F.E.	2/1	x ±0.25
FINISH	No REQS. PER UNIT	xx ±0.12
STAIN. BLACK	AS DRG	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/094, 095	

TITLE		
091 SPACER		
MATERIAL	SCALE	TOLERANCES
P.T.F.E.	2/1	x ±0.25
FINISH	No REQS. PER UNIT	xx ±0.12
STAIN. BLK	0	xxx
G.A. No.	DRAWING No.	
	R.G.O. W/GD/091	



(5) DR & C/BOLT FOR
M & CAP SCREWS.

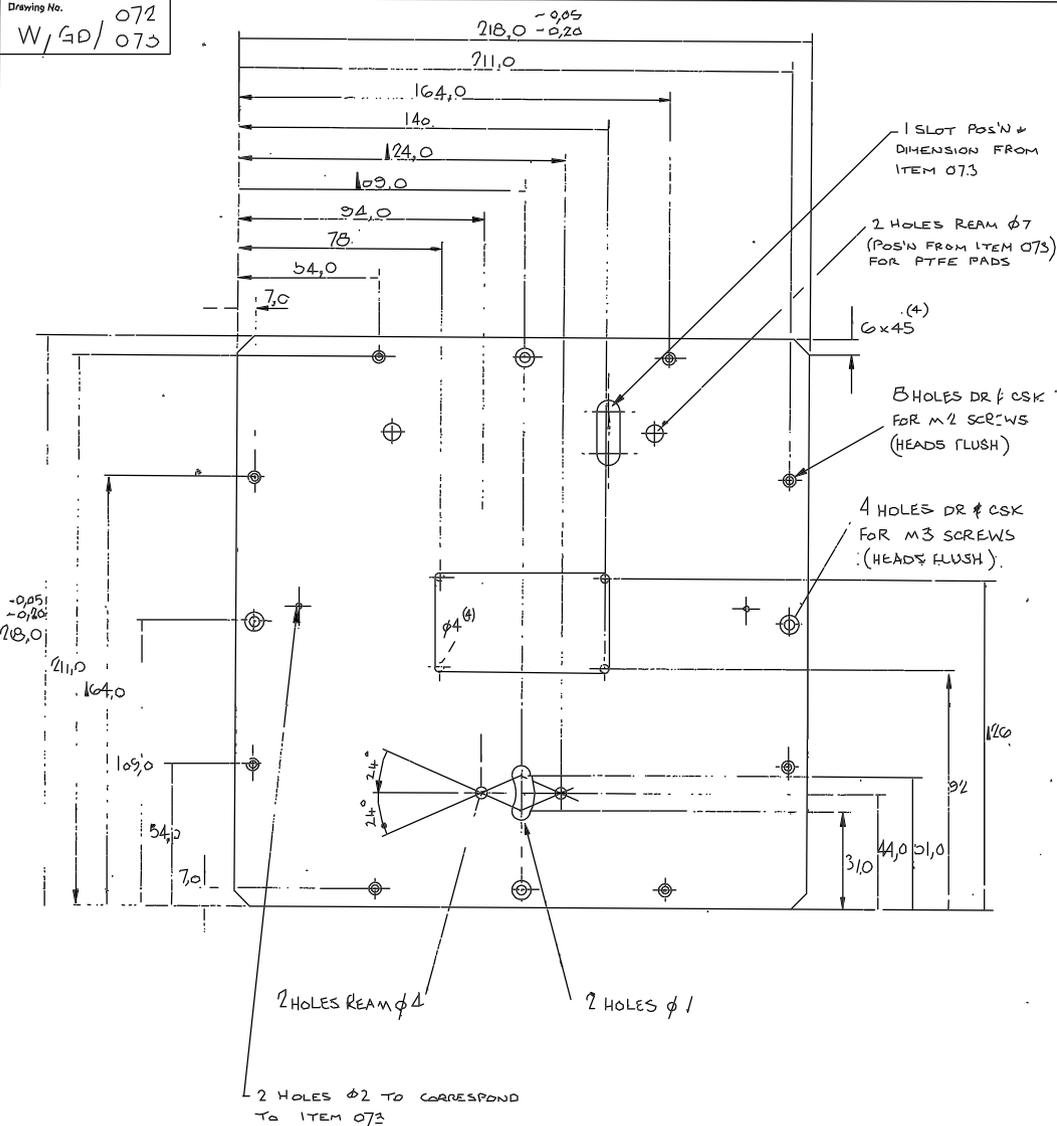


(10) M3x12-POS# FRAM
SUPPORT DIAPHRAGM.
DRG W/GD/004-005,

017 DIAPHRAGM SUPPORT		
MATERIAL ALUM. ALLOY	SCALE FULL	TOLERANCES X ± 0.1
FINISH MATT BL ANODS	NO REQ PER UNIT /	X.X ± 0.05
D.A. No.	DRAWING No.	
	R.G.O.	

								Tolerances (Unless otherwise stated)	Material	Dimms in n.m.	Scale	THIRD ANGLE PROJECTION		G.A. No.
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Finish	Drq. No.	No. Req.	Title		Orwing No.	
						JULY 85	RZIMEC	X ± XX ± XXX ±			ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM SUSSEX.		W/GE/019	
									Used on			DETAIL		

Drawing No. 072
W/GD/073



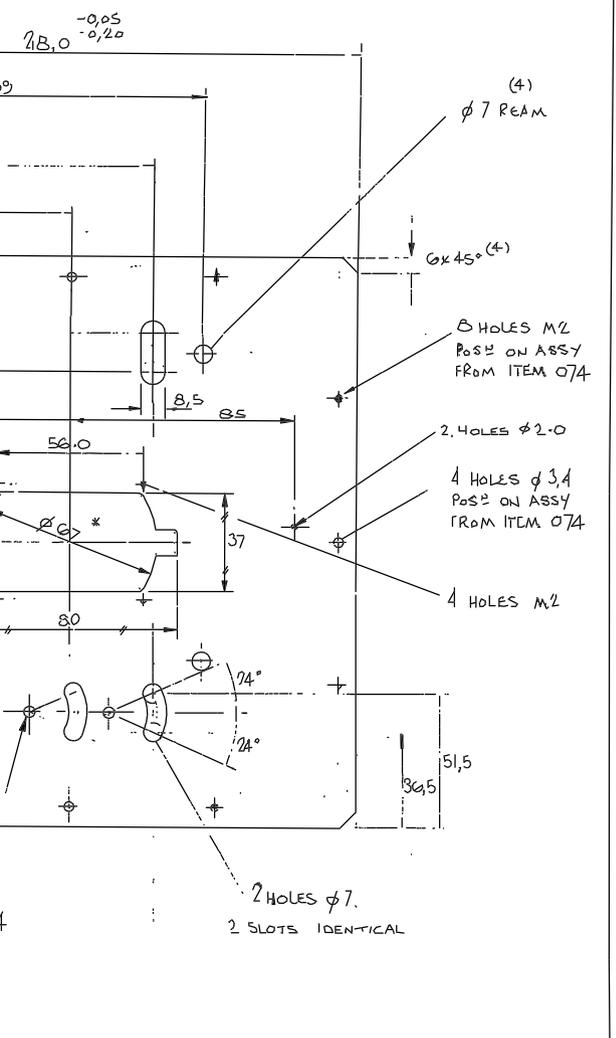
18G (1.22) THICK

072			TITLE: FRONT PLATE		
MATERIAL	SCALE	TOLERANCES	MATERIAL	SCALE	TOLERANCES
MILD STEEL	FULL	X ± 0.25	ALUM ALLOY	FULL	X ± 0.25
FINISH	NO REQ. PER UNIT	XX ± 0.12	FINISH	NO REQ. PER UNIT	XX ± 0.12
CAD. & PASS.	1	XXX \pm	CAD. & PASS.	1	XXX \pm
G.A. No.	DRAWING No. R.G.O. W/GD/072		G.A. No.	DRAWING No. R.G.O. W/GD/073	

M/C WITH ITEMS
073 & 074
(DRGS W/GD/073 & 074)

Issue	Mod. No.	Date	Drawn By	1	Mod. No.	Date	Drawn By
			July 85	PROWEL			

Material	Finish	Tolerances (Unless otherwise stated)
		X \pm
		XX \pm
		XXX \pm



14G (2.03) THICK

073			TITLE: REAR PLATE		
MATERIAL	SCALE	TOLERANCES	MATERIAL	SCALE	TOLERANCES
ALUM ALLOY	FULL	X ± 0.25	ALUM ALLOY	FULL	X ± 0.25
FINISH	NO REQ. PER UNIT	XX ± 0.12	FINISH	NO REQ. PER UNIT	XX ± 0.12
CAD. & PASS.	1	XXX \pm	CAD. & PASS.	1	XXX \pm
G.A. No.	DRAWING No. R.G.O. W/GD/072		G.A. No.	DRAWING No. R.G.O. W/GD/073	

M/C WITH ITEMS
072 & 074
(DRGS W/GD/072 & 074)

Issue	Mod. No.	Date	Drawn By	1	Mod. No.	Date	Drawn By
			July 85	PROWEL			

Material	Finish	Tolerances (Unless otherwise stated)
		X \pm
		XX \pm
		XXX \pm

DETAILS

Drawing No. W/GD/072
W/GD/073

Drawing No.
W/GD/071

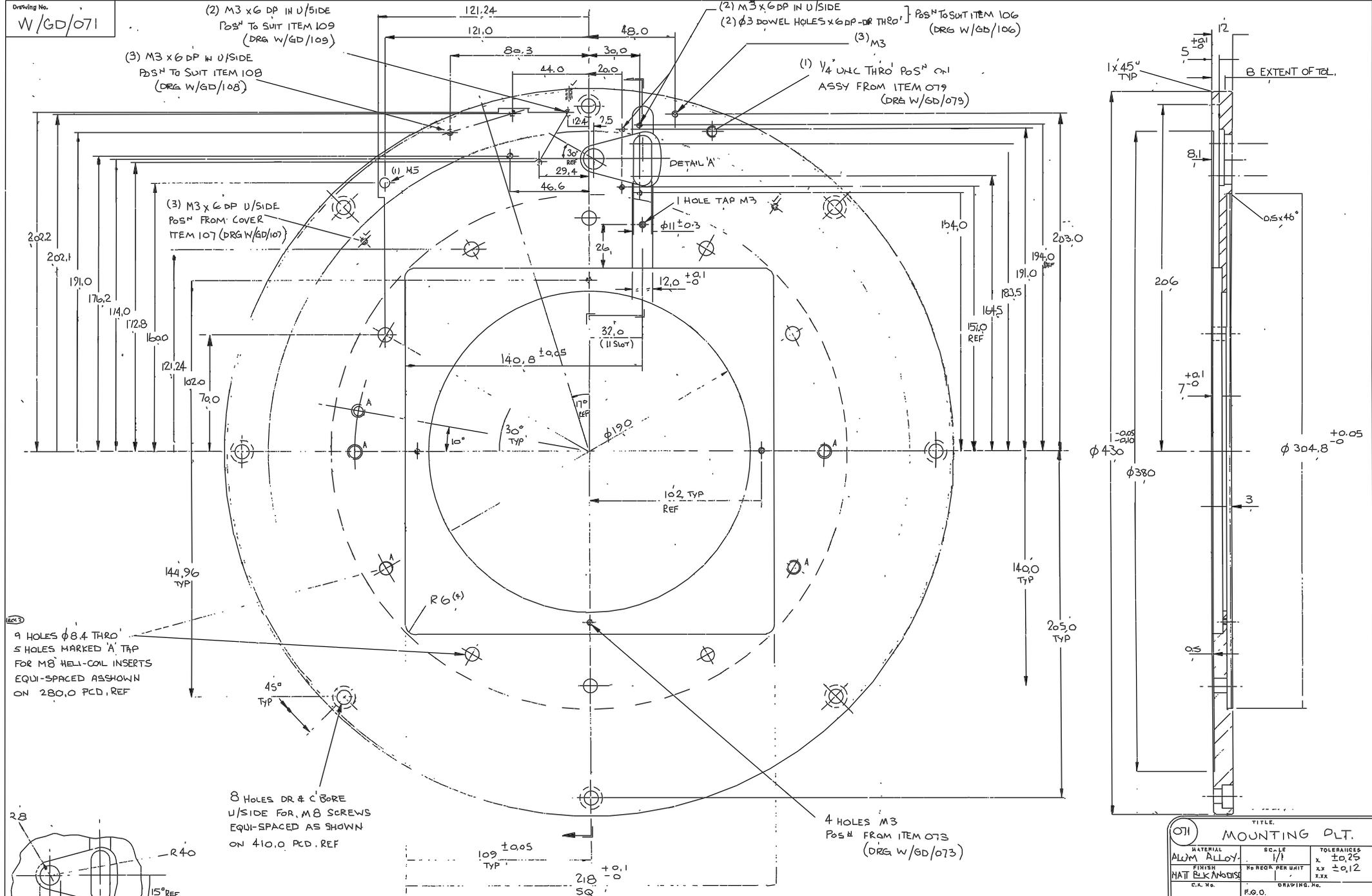
(2) M3 x 6 DP IN U/SIDE
Posⁿ TO SUIT ITEM 109
(DRG W/GD/109)

(3) M3 x 6 DP IN U/SIDE
Posⁿ TO SUIT ITEM 108
(DRG W/GD/108)

(2) M3 x 6 DP IN U/SIDE
(2) $\phi 3$ DOWEL HOLES x 6 DP - DR THRO' } Posⁿ TO SUIT ITEM 106
(DRG W/GD/106)

(1) 1/4 UNC THRO' POSⁿ ON
ASSY FROM ITEM 079
(DRG W/GD/079)

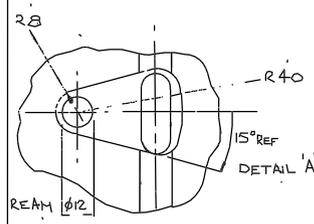
(3) M3 x 6 DP U/SIDE
Posⁿ FROM COVER
ITEM 107 (DRG W/GD/107)



9 HOLES $\phi 8.4$ THRO
5 HOLES MARKED 'A' TAP
FOR M8 HELI-COIL INSERTS
EQUI-SPACED AS SHOWN
ON 280.0 PCD, REF

8 HOLES DR & C BORE
U/SIDE FOR M8 SCREWS
EQUI-SPACED AS SHOWN
ON 410.0 PCD, REF

4 HOLES M3
Posⁿ FROM ITEM 073
(DRG W/GD/073)



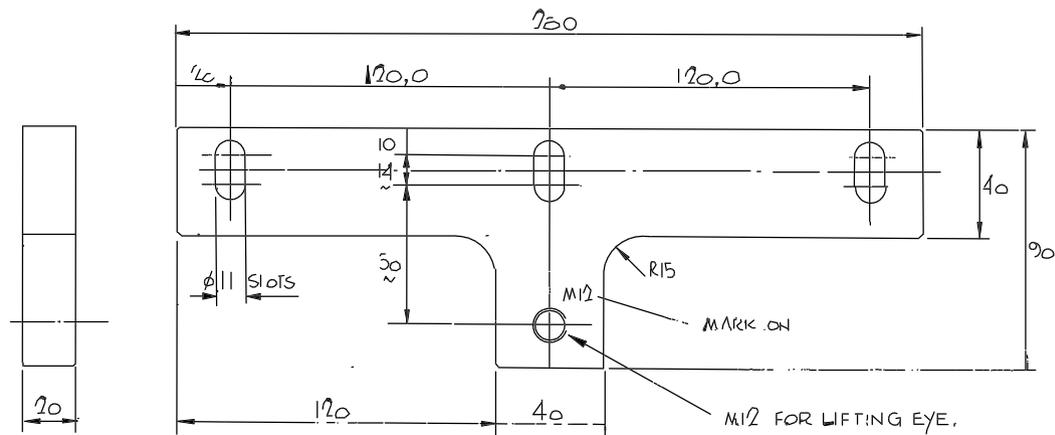
Issue				Date				Drawn By				Checked By				Material				Dimns in mm.				Scale 1/1				Title			
1				JULY 85				R. J. P.				R. J. P.				ALUM ALLOY				ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE HAILSHAM SUSSEX				MOUNTING PLT.							
2				JULY 85				R. J. P.				ALUM ALLOY				ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE HAILSHAM SUSSEX				MOUNTING PLT.											
3				JULY 85				R. J. P.				ALUM ALLOY				ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE HAILSHAM SUSSEX				MOUNTING PLT.											

MATERIAL		SCALE		TOLERANCES	
ALUM ALLOY		1/1		X ± 0.25	
FINISH		NO REQ PER UNIT		XX ± 0.12	
NAT PLK ANODISE				XXX	
C.A. No.		P.O.		DRAWING No.	

THIRD ANGLE PROJECTION
DETAIL
W/GD/071

Drawing No.

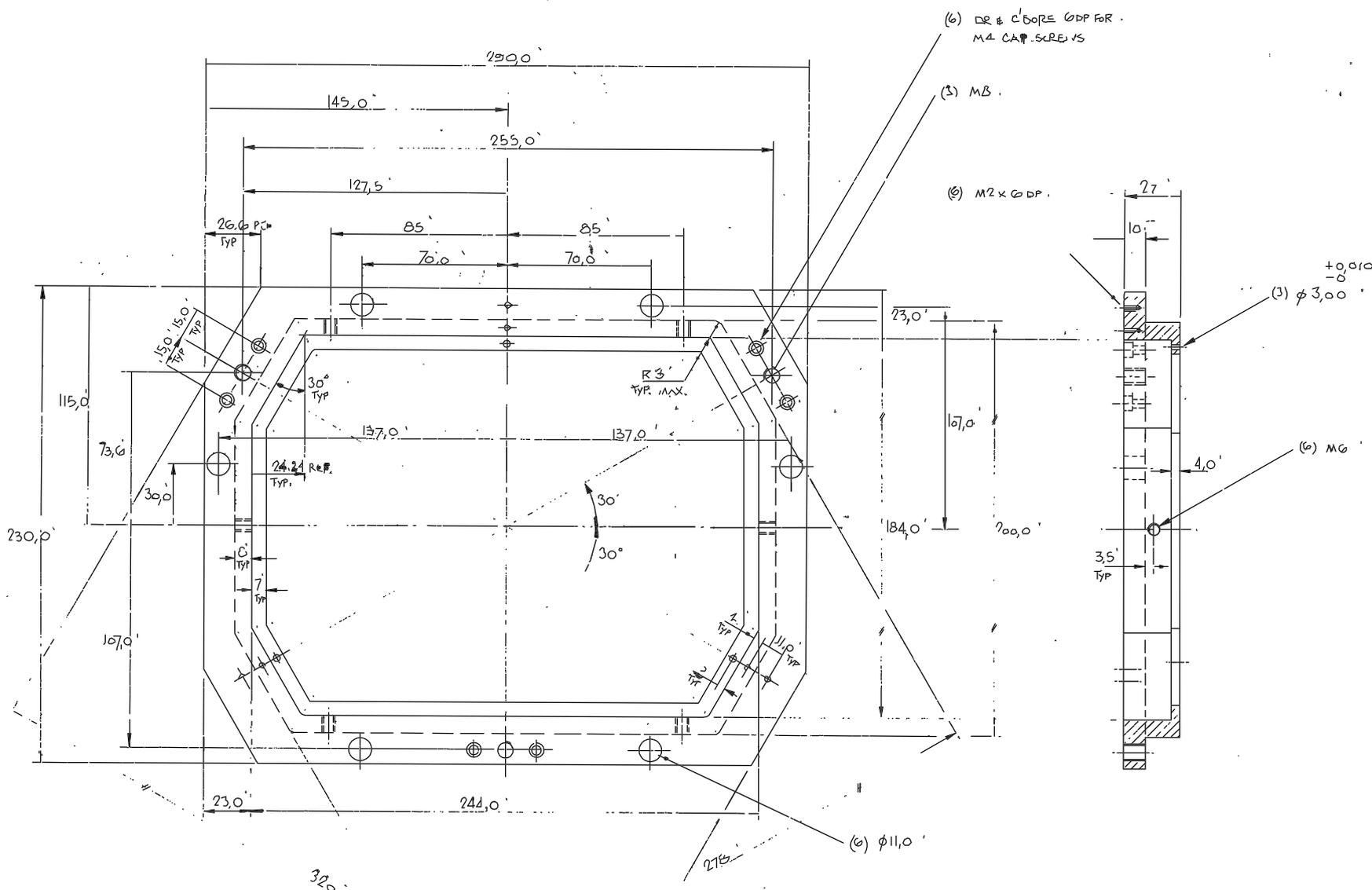
W/GD/060



06		TITLE	
LIFTING PLATE			
MATERIAL	SCALE	TOLERANCES	
ALUMINUM ALLOY	1/1	X ±0.25	
FINISH	No REQS. PER UNIT	XX 10-12	
MATT BLK ANODS		XXX	
G.A. No.	DRAWING No.		
R.G.O.	W/GD/060		

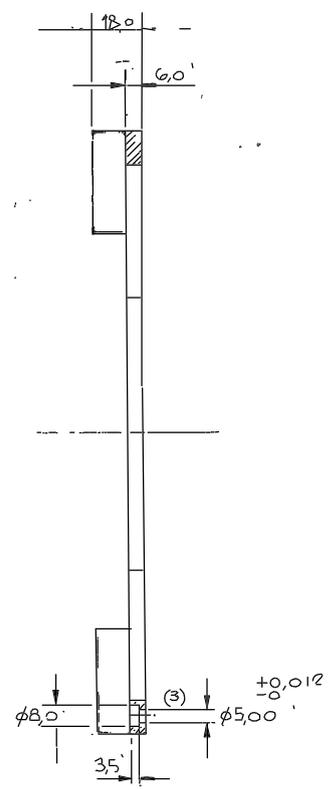
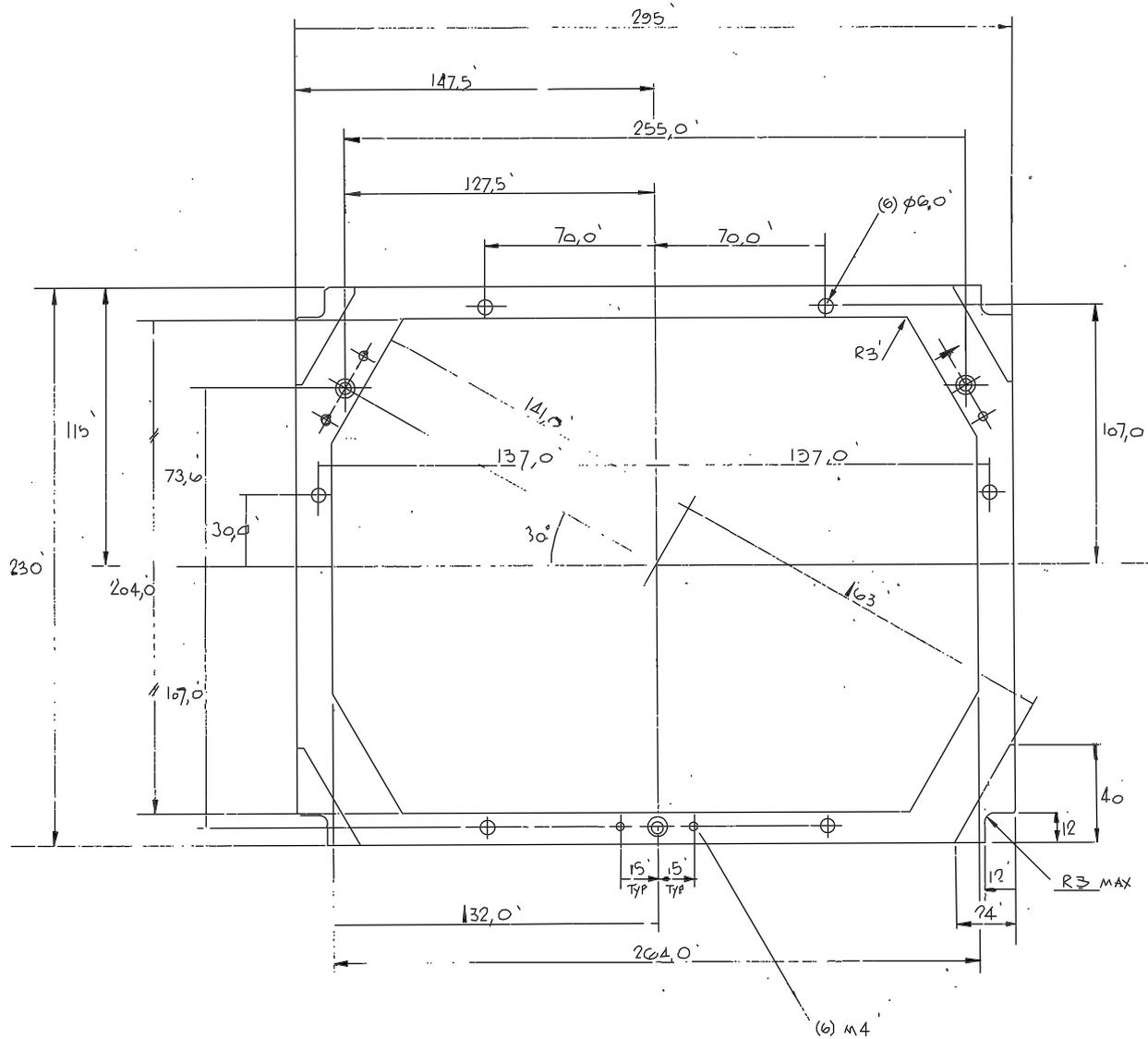
Tolerances (Unless otherwise stated)								Material		Dimms in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No.	
														DETAILS		Drawing No.	
								Finish		Dwg. No.		No. Pgs.		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM SUSSEX.		W/GD/060	
Issue	Mod. No.	Date	Drawn By	Issued	Mod. No.	Date	Drawn By	Used on									

Drawing No. W/GD/038



TITLE 038 ASPHERIC CELL		
MATERIAL ALUMINUM	SCALE FD 1	TOLERANCES x ± 0.1 xx ± 0.05 xxx
FINISH MAT SILK ANODISE	NO REQ. PER UNIT 1	
G.A. No.	R.G.O.	DRAWING No.

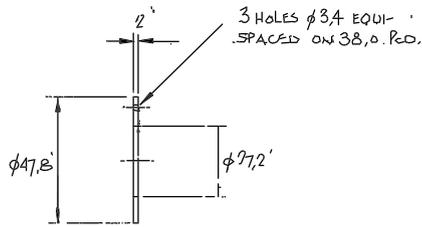
Tolerances (Unless otherwise stated)						Material		Dimns in m.m.		Scale		THIRD ANGLE PROJECTION		Title	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Finish	Drq. No.	No. Req.	ROYAL GREENWICH OBSERVATORY, HERSTMONGEUX CASTLE HAILSHAM SUSSEX.	DETAIL		Drawing No. W/GD/038	
									Used on						



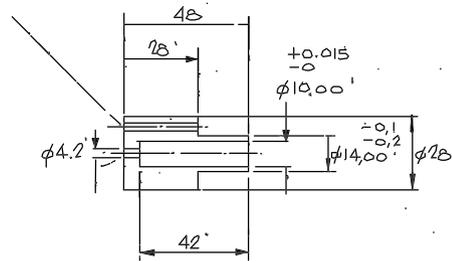
037 ASPHERIC CELL MFG. P.L.T.		
MATERIAL M.S.	SCALE FULL	TOLERANCES x ±0.1
FINISH BLK NI PLT	NO REQ. PER UNIT 1	XX ±0.05 XXX
Q.A. No.	R.E.O.	DRAWING No.

Issue		Mod. No.		Date		Drawn By		Issue		Mod. No.		Date		Drawn By		Tolerances (Unless otherwise stated)		Material		Dimns in mm.		Scale		THIRD ANGLE PROJECTION		Title		Drawing No.		
																	X XX XXX													

Drawing No. 026
 W/GD/030



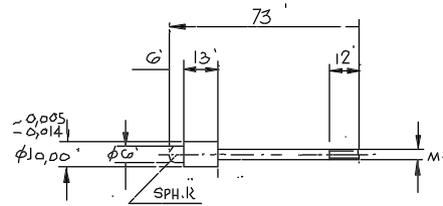
3 HOLES $\phi 3.0$ EQUI-SPACED ON 28.0 P.C.D.



NOT RECD

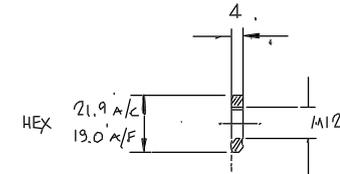
TITLE		
026 COVER		
MATERIAL	SCALE	TOLERANCES
STAINLESS STL	FULL	x ± 0.25
FINISH	No REQ. PER UNIT	xx ± 0.12
BLK NI P/LT	1	xxx ± 0.12
G.A. No.	DRAWING No.	
	R.G.O. W/GD/026	

TITLE		
027 SPRING HOUSING		
MATERIAL	SCALE	TOLERANCES
STAINLESS STL	FULL	x ± 0.25
FINISH	No REQ. PER UNIT	xx ± 0.12
BLK NI P/LT	1	xxx ± 0.12
G.A. No.	DRAWING No.	
	R.G.O. W/GD/027	



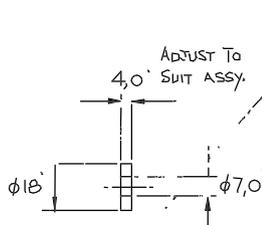
NOT RECD

TITLE		
028 PLUNGER		
MATERIAL	SCALE	TOLERANCES
STAINLESS STL	FULL	x ± 0.25
FINISH	No REQ. PER UNIT	xx ± 0.12
BLK NI P/LT	1	xxx ± 0.12
G.A. No.	DRAWING No.	
	R.G.O. W/GD/028	

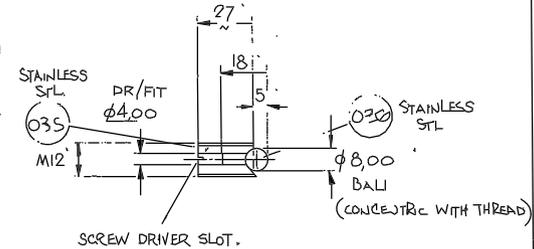
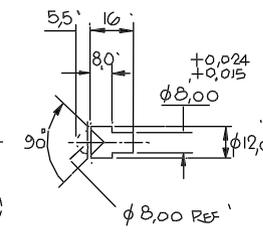
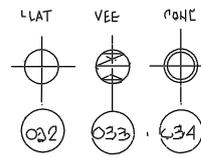
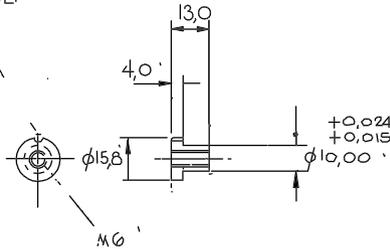


MODIFY STD NUT.

TITLE		
029 THIN NUT		
MATERIAL	SCALE	TOLERANCES
STAINLESS STL	FULL	x ± 0.25
FINISH	No REQ. PER UNIT	xx ± 0.12
BLK NI P/LT	3	xxx ± 0.12
G.A. No.	DRAWING No.	
	R.G.O. W/GD/029	



$\phi 2$ FOR POWEL ON ASSY.



(MAY BE MADE IN ONE PIECE)

PTFE
 2nd G 1017 33

TITLE		
030 SPACER		
MATERIAL	SCALE	TOLERANCES
STAINLESS STL	FULL	x ± 0.25
FINISH	No REQ. PER UNIT	xx ± 0.12
BLK NI P/LT	4	xxx ± 0.12
G.A. No.	DRAWING No.	
	R.G.O. W/GD/030	

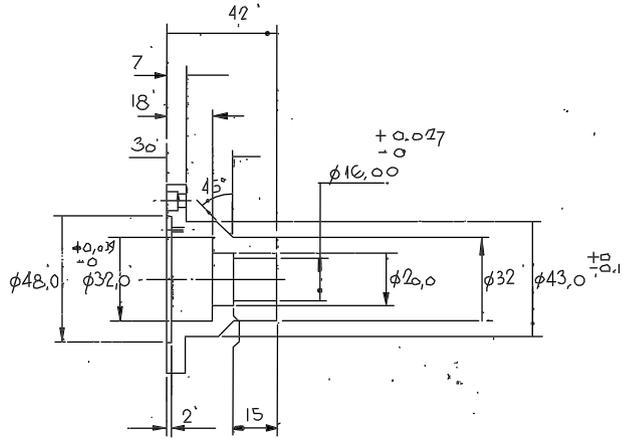
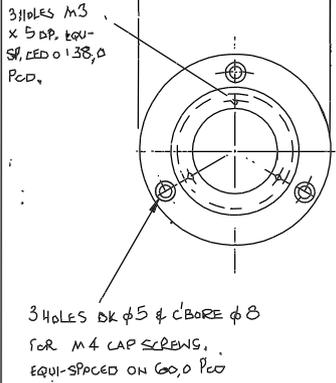
TITLE		
031 INSERT		
MATERIAL	SCALE	TOLERANCES
STAINLESS STL	FULL	x ± 0.25
FINISH	No REQ. PER UNIT	xx ± 0.12
BLK NI P/LT	4	xxx ± 0.12
G.A. No.	DRAWING No.	
	R.G.O. W/GD/031	

TITLE		
032 033 034 KINEMATIC SLIP FIT		
MATERIAL	SCALE	TOLERANCES
STAINLESS STL	FULL	x ± 0.25
FINISH	No REQ. PER UNIT	xx ± 0.15
BLK NI P/LT	1 PART EACH	xxx ± 0.15
G.A. No.	DRAWING No.	
	R.G.O. W/GD/032/3/4	

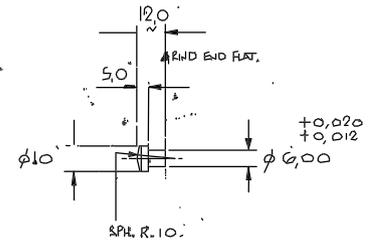
TITLE		
035 036 KINEMATIC BALL ADJ		
MATERIAL	SCALE	TOLERANCES
AS DRC	FULL	x ± 0.25
FINISH	No REQ. PER UNIT	xx ± 0.12
BLK NI P/LT	2 PART EACH	xxx ± 0.12
G.A. No.	DRAWING No.	
	R.G.O. W/GD/035/036	

ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM, SUSSEX.																																															
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.																																						
<table border="1"> <tr> <td>MR 86</td> <td>PRIMEC</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>JULY 86</td> <td>PRIMEC</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>APR 85</td> <td>PRIMEC</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>							MR 86	PRIMEC						JULY 86	PRIMEC						APR 85	PRIMEC						<table border="1"> <tr> <td>Dim in mm.</td> <td>Scale</td> </tr> <tr> <td></td> <td></td> </tr> </table>		Dim in mm.	Scale			<table border="1"> <tr> <td>Third Angle Projection</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>		Third Angle Projection				<table border="1"> <tr> <td>G.A. No.</td> <td></td> </tr> <tr> <td>Drawing No.</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>		G.A. No.		Drawing No.			
MR 86	PRIMEC																																														
JULY 86	PRIMEC																																														
APR 85	PRIMEC																																														
Dim in mm.	Scale																																														
Third Angle Projection																																															
G.A. No.																																															
Drawing No.																																															
<table border="1"> <tr> <td colspan="5">ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM, SUSSEX.</td> <td colspan="5">Title</td> </tr> <tr> <td colspan="5">Details</td> <td colspan="5">W/GD/026 To 030</td> </tr> </table>										ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM, SUSSEX.					Title					Details					W/GD/026 To 030																						
ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM, SUSSEX.					Title																																										
Details					W/GD/026 To 030																																										

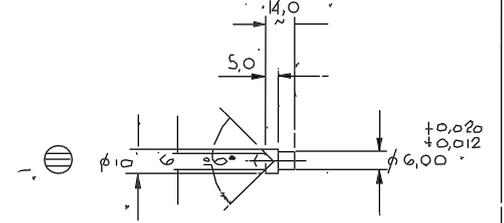
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W/GD/025



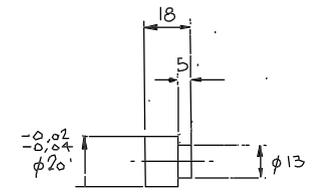
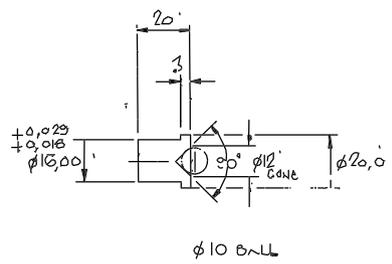
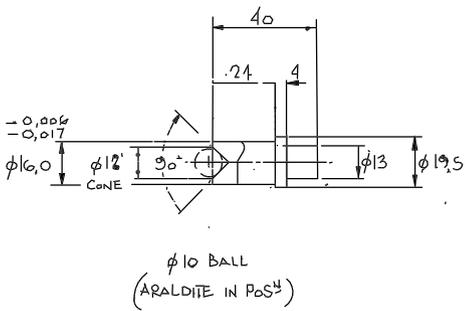
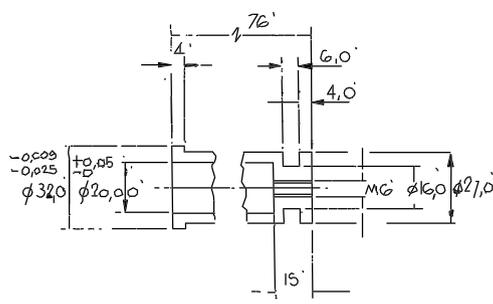
TITLE		
019 SPRING HOUSING		
MATERIAL STAINLESS STL	SCALE FULL	TOLERANCES x ±0.25
FINISH BLK NI PTF	NO REQ. PER UNIT 1	XX ±0.12 XXX
D.A. No.	DRAWING No. R.G.O. W/GD/019	



TITLE		
020 BUTTON		
MATERIAL STAINLESS STL	SCALE FULL	TOLERANCES x ±0.25
FINISH BLK NI PTF	NO REQ. PER UNIT 4	XX ±0.12 XXX
D.A. No.	DRAWING No. R.G.O. W/GD/020	



TITLE		
021 VEL LOCATOR		
MATERIAL STAINLESS STL	SCALE FULL	TOLERANCES x ±0.25
FINISH BLK NI PTF	NO REQ. PER UNIT 1	XX ±0.12 XXX
D.A. No.	DRAWING No. R.G.O. W/GD/021	



TITLE		
023 CONE SEAT		
MATERIAL BRASS	SCALE FULL	TOLERANCES x ±0.25
FINISH BLK NI PTF	NO REQ. PER UNIT 1	XX ±0.12 XXX
D.A. No.	DRAWING No. R.G.O. W/GD/023	

TITLE		
024 CONE INSERT		
MATERIAL BRASS	SCALE FULL	TOLERANCES x ±0.25
FINISH BLK NI PTF	NO REQ. PER UNIT 1	XX ±0.12 XXX
D.A. No.	DRAWING No. R.G.O. W/GD/024	

TITLE		
025 SPRING SEAT		
MATERIAL BRASS	SCALE FULL	TOLERANCES x ±0.25
FINISH BLK NI PTF	NO REQ. PER UNIT 1	XX ±0.12 XXX
D.A. No.	DRAWING No. R.G.O. W/GD/025	

TITLE		
22 HOUSING		
MATERIAL BRASS	SCALE FULL	TOLERANCES x ±0.25
FINISH BLK NI PTF	NO REQ. PER UNIT 1	XX ±0.12 XXX
D.A. No.	DRAWING No. R.G.O. W/GD/022	

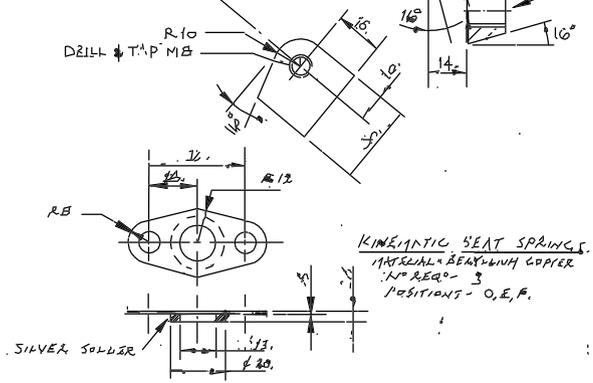
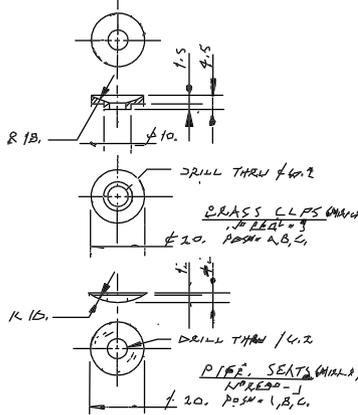
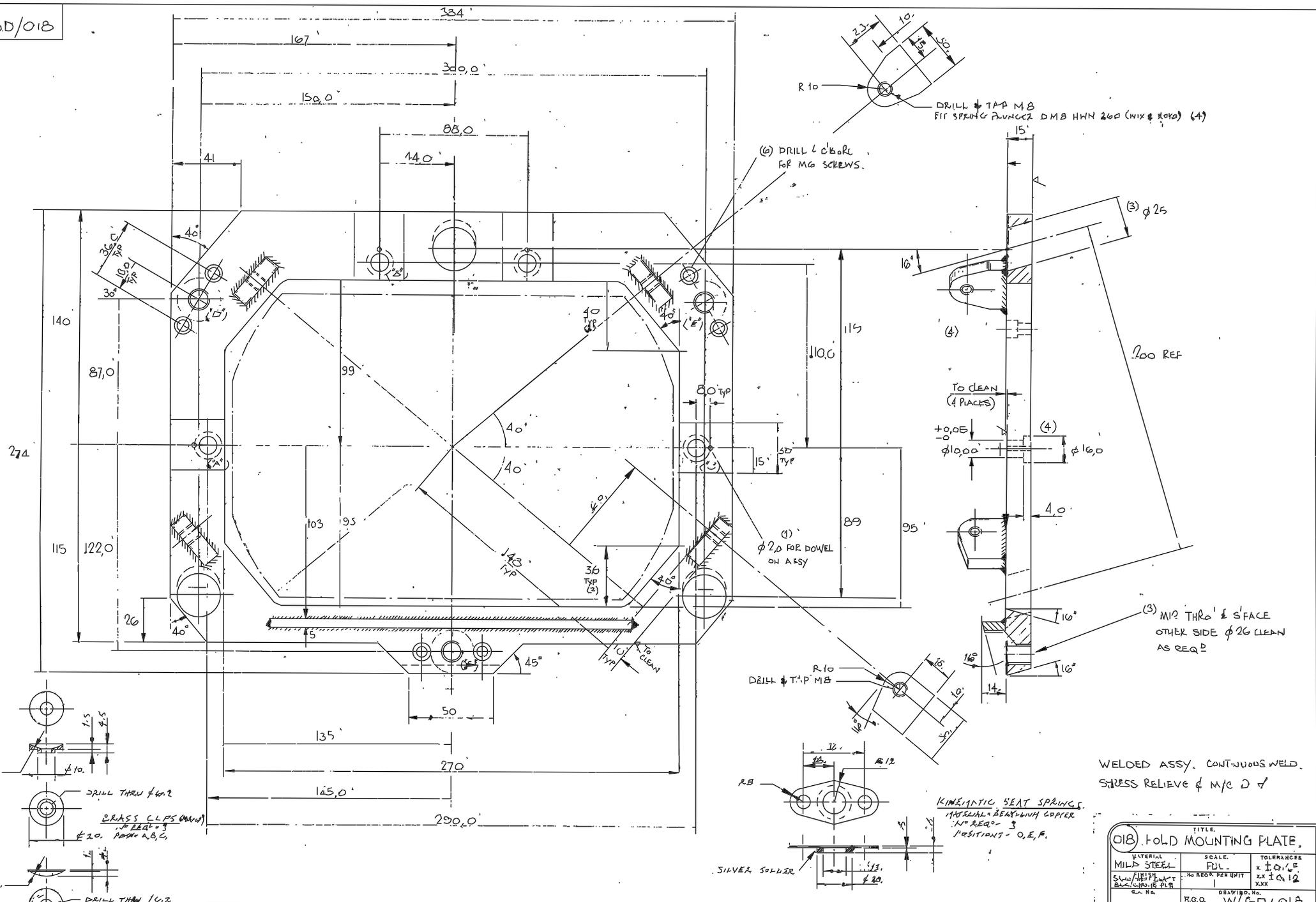
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Finish	Dim's in mm.	Scale	THIRD ANGLE PROJECTION	Drawing No.

ROYAL GREENWICH OBSERVATORY,
HERSTMONCEUX CASTLE,
HALSHAM
SUSSEX.

DETAILS

Drawing No. 019
To 025
W/GD/025

Drawing No. W/GD/018



WELDED ASSY. CONTINUOUS WELD.
STRESS RELIEVE & M/C D ✓

Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By
3		Aug 80	DWJG	1		24 JUL 85	PROMEC
2		MAR 80	PROMEC			JUN 85	PROMEC
						APR 85	PROMEC

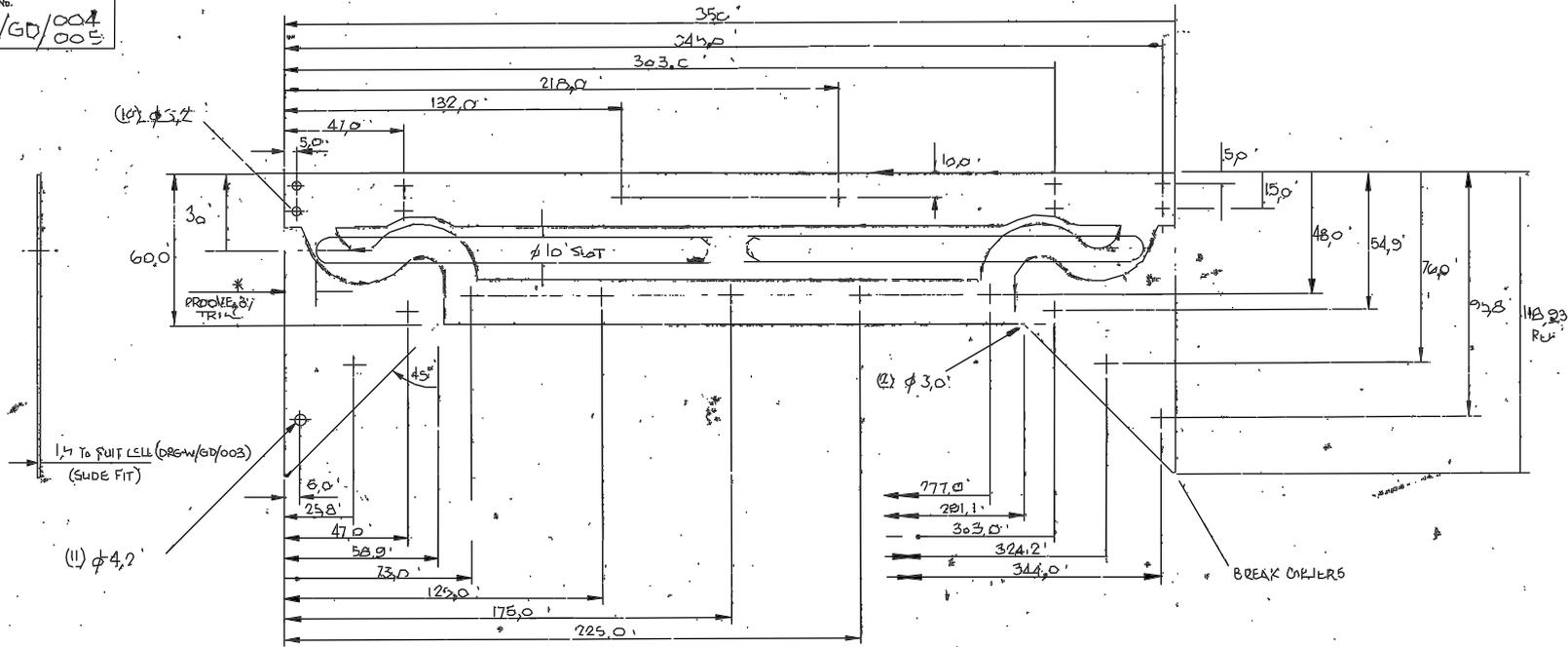
Tolerances (Unless otherwise stated)
X ±
XX ±
XXX ±

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

THIRD ANGLE PROJECTION
DETAIL
G.A. No.
Drawing No.
W/GD/018

TITLE		SCALE		TOLERANCES	
018 FOLD MOUNTING PLATE.		FOL		X ± 0.12	
MATERIAL	MILD STEEL	NO REQ. PER UNIT	1	XX ± 0.12	XXX
DRIVING No.	R.G.O. W/GD/018				

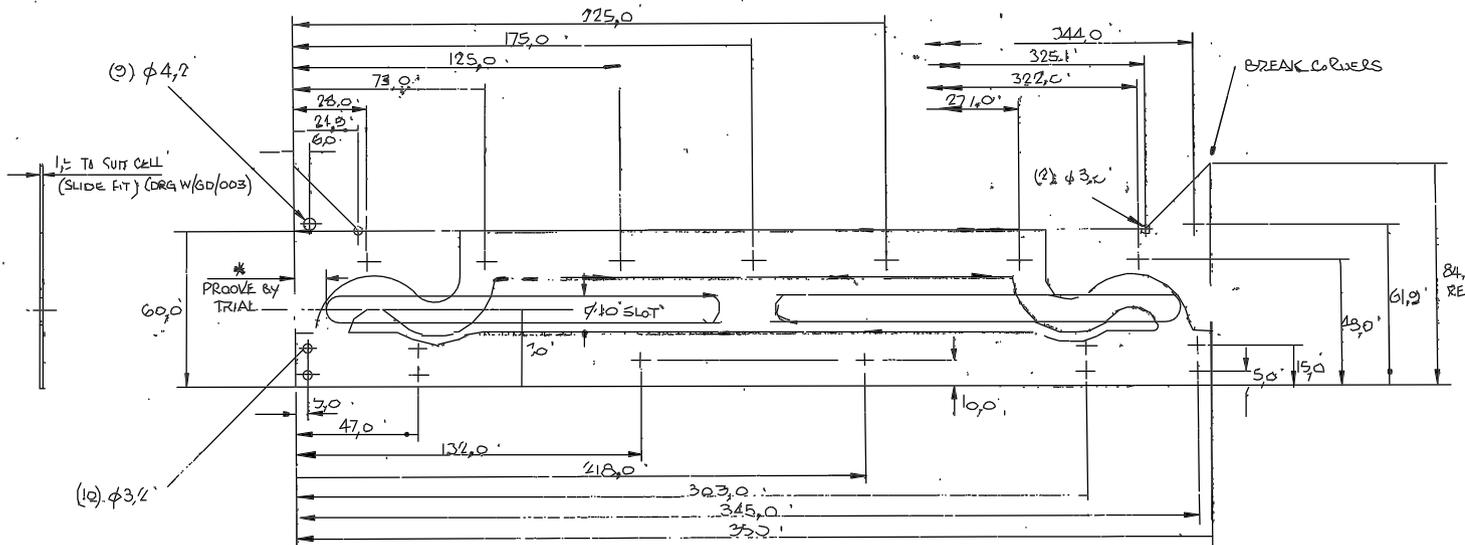
Drawing No.
 V1/GD/004
 005



RED PROFILE AS ASSEMBLED DWG 29/7/35

TITLE		
004 SUPPORT DIAPHRAGM		
MATERIAL 1/8" THK ST. 316	SCALE FULL	TOLERANCE X ± 0.1
FINISH P.K. NE PT	NO. REQ. PER UNIT 1	XX ± 0.05 XXX
DRAWING NO. P.S.G. W/GD/004		

CHECK WITH D/G



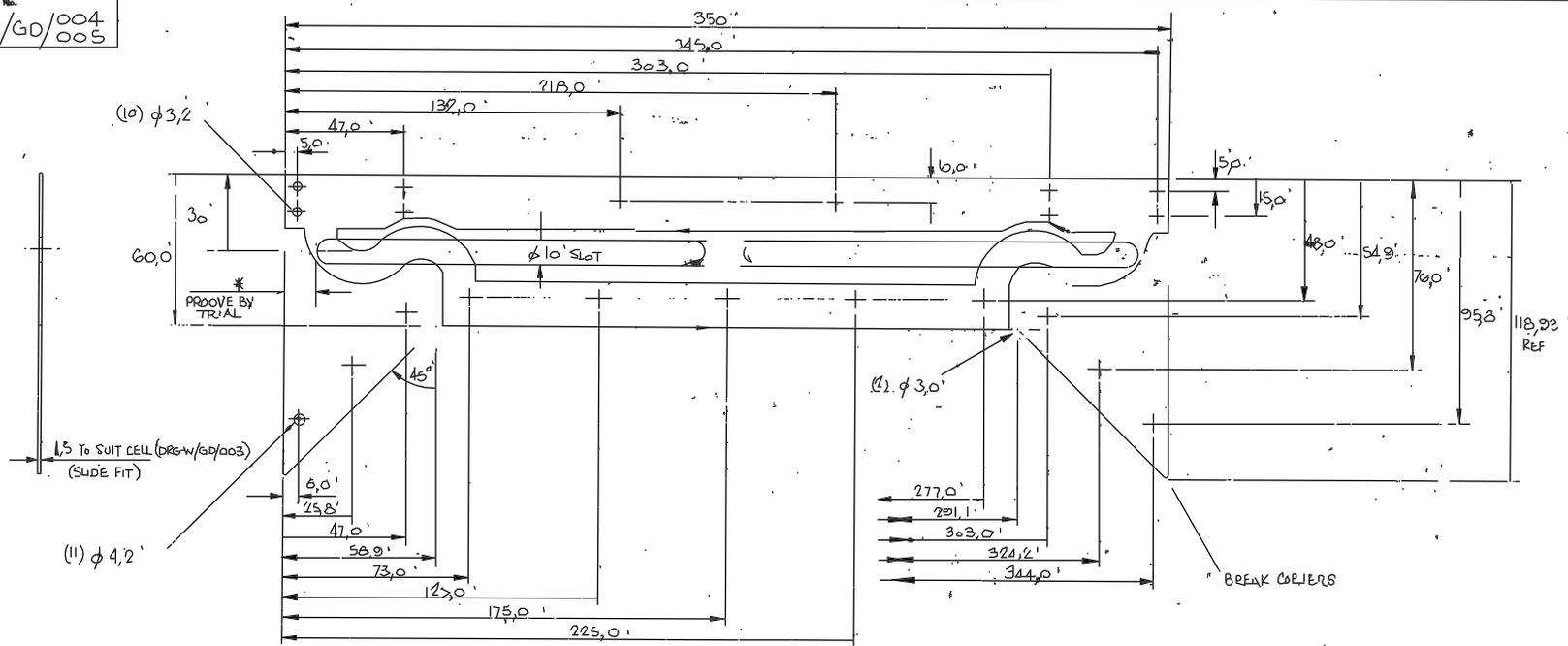
RED PROFILE AS ASSEMBLED DWG 23/7/35

TITLE		
005 SUPPORT DIAPHRAGM		
MATERIAL 1/8" THK ST. 316	SCALE FULL	TOLERANCE X ± 0.1
FINISH P.K. NE PT	NO. REQ. PER UNIT 1	XX ± 0.05 XXX
DRAWING NO. P.S.G. W/GD/005		

CHECK WITH D/G

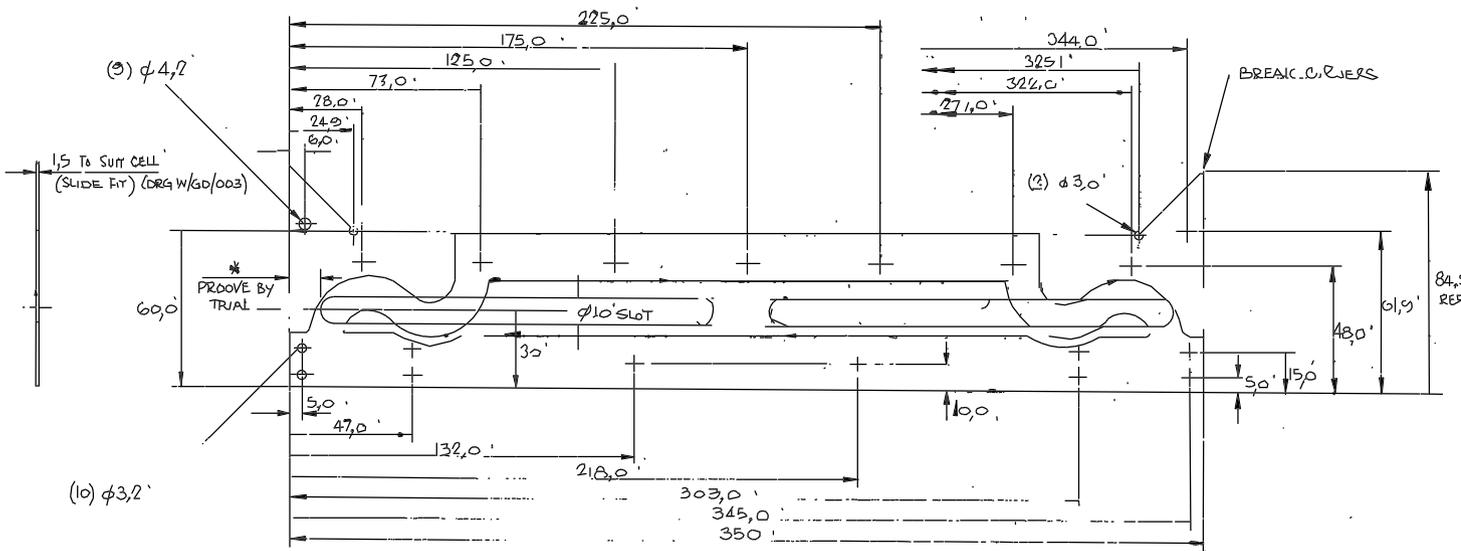
TOLERANCES (Unless otherwise stated)				MATERIAL		DIMENSIONS IN mm		SCALE		THIRD ANGLE PROJECTION	
XXX	XX	X	±	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE HAILSHAM	SUSSEX	THIS	DETAILS			DRAWING NO. V1/GD/004 005	
Issue	Prod. No.	Date	Drawn By	Issued	Mod. No.	Date	Drawn By	Org. No.	No. Req.	Used on	

Draw No. 1/G0/004/005



SEE BLUE W/G0/005

004 SUPPORT DIAPHRAGM			
MATERIAL	SCALE	TOLERANCES	
1.0 THK. ST. SL.	FULL	X ± 0.1	
FINISH	NO REQ. PER UNIT	XX ± 0.05	
SLK NI PLT		XXX	
G.A. No.	DRAWING No.		
R.G.A. W/G0/004			



005 SUPPORT DIAPHRAGM			
MATERIAL	SCALE	TOLERANCES	
1.0 THK. ST. SL.	FULL	X ± 0.1	
FINISH	NO REQ. PER UNIT	XX ± 0.05	
SLK NI PLT		XXX	
G.A. No.	DRAWING No.		
R.G.A. W/G0/005			

Issue	Prod. No.	Date	Drawn By	Issue	Prod. No.	Date	Drawn By	Tolerances (Units as otherwise stated)	Material	Finish	Drawn in mm	Scale	THIRD ANGLE PROJECTION	Title	Drawing No.
			JULYBS	PROVBC				X ±						ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE HAILSHAM SUSSEX.	004
			APRBS	PROVBC				XY ±							005
								XXX ±							

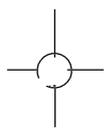
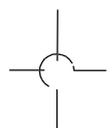
DRAWING NUMBER	No. of Sheets	G.A. Item No.	DRAWING TITLE OR COMPONENT NAME	No. of	MATERIAL STOCK OR ORDER No. AND DATE	REMARKS	ISSUE DATE	ISSUED TO	FINISH DATE
/ /		150	Soc HO CAP SCREW - M8 x 25	19	STAINLESS STEEL				
/ /		151	" " M6 x 50	4	" "				
/ /		152	" " M6 x 10	3	" "				
/ /		153	" " M6 x 20	10	" "				
/ /									
/ /		155	" " M4 x 35	2	" "				
/ /		156	" " M4 x 10	14	" "				
/ /		157	" " M4 x 15	7	" "				
/ /		158	" " M4 x 12	6	" "				
/ /		159	" " M4 x 10	22	" "				
/ /									
/ /		161	" " M3 x 10	32	" "				
/ /		162	" " M2 x 10	6	" "				
/ /									
/ /		164	" " M8 x 20	23	" "				
/ /		165	" " M8 x 20	8	" "				
/ /		166	" " M8 x 50	4	" "				
/ /		167	" " M8 x 65	5	" "				
/ /		168	" " M3 x 16	2	" "				
/ /		169	" " M3 x 6	20	" "				
/ /		170	CSK SCREW M2 x 4	6	" "				
/ /		171	" " M3 x 12	15	" "				
/ /		172	" " M3 x 8	1	" "				
/ /		173	" " M3 x 6	8	" "				
/ /		174	" " M2 x 5	2	" "				
/ /		175	" " M2 x 8	8	" "				
/ /		176	" " M1.6 x 3	2	" "				
/ /		177	" " M1.6 x 6	2	" "				
/ /		178	GRUB SCREWS M8 x 25	4	NYLON				
/ /		179	" " M8 x 12	6	" "				
/ /		180	" " M6 x 10	6	" "				
/ /		181	" " M5 x 25	4	STAINLESS STEEL				
/ /		182	" " M5 x 16	4	" "				
/ /		183	" " M3 x 8	2	" "				
/ /		184	MUSH ROOM HD SCREW - M3 x 6	3	" "				
/ /		185	HEX HEAD SCREW M6 x 50	1	" "				

JOB TITLE 1515 - SPECTROGRAPH - REF CAMERA SYSTEM
 ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM, SUSSEX
 ASSY DRC. No. V/GC/000
 SHEET No. 6 of 7
 DRAWN BY P.R.O.M.E.C.
 DATE MAR 1980

DRAWING NUMBER	No. of Sheets	G.A. Item No.	DRAWING TITLE OR COMPONENT NAME	No. of	MATERIAL STOCK OR ORDER No. AND DATE	REMARKS	ISSUE DATE	ISSUED TO	FINISH DATE
/ / 1080		080	PUSH ROD	1					
/ / 1081		081	POST	1					
/ / 1082		082	SPACER	1		? IF REQ'D			
/ / 1083		083	"	1					
/ / 1084		084	"	1					
/ / —		—							
/ / 1086		086	"	1					
/ / 1087		087	BEARING	1					
W/GD/1088	1	088	CAP	1					
/ / 1089		089	BEARING	2					
/ / 1090		090	CAP	2					
/ / 1091		091	SPACER	6					
/ / 1092		092	SPACER	2					
/ / 1093		093	PIVOT	2					
/ / 1094		094	PAD	4					
/ / 1095		095	"	2					
/ /									
/ /									
/ /									
W/GD/099	1	099	SPRING POST	2					
/ / 100		100	" "	2					
/ / 101		101	SPRING	2					
/ /									
/ / 103		103	COLLAR	1		? IF REQ'D			
/ / 104		104	SWITCH FLAG	1					
/ / 105		105	KNOB	2					
/ / 106		106	STOP BLOCK	1					
W/GD/107	1	107	COVER	1		WELDED ASSY			
/ / 108		108	SOLENOID BRK'T	1					
/ / 109		109	SWITCH BRK'T	1					
/ /									
W/GD/111	1	111	PIVOT ARM	1					
/ / 112		112	BUSH	1					
/ /									
/ /									
/ /									

JOB TITLE	ASSY ORG. No.	SHEET No.	DRAWN BY
ISIS - SPECTROGRAPH - RED CAMERA SYSTEM	VIC/1000	4 of 7	PROMEC
ROYAL GREENWICH OBSERVATORY,	HERSTMONCEUX CASTLE,	HAILSHAM,	SUSSEX
			DATE MAR 1980

DRAWING NUMBER	No. of Sheets	G.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/GD/043		043	BUTTON	2					
1 / 044		044	SHOULDER SCREW	8					
1 / 045		045	KINEMATIC SEALS	1					
1 / 046		046	" "	1					
1 / 047		047	" "	1					
1 / 048		048	KINEMATIC BALL JOINTS	2					
1 / 049		049	" " "	3					
1 / 050		050	LEVER	4					
1 / 051		051	BUTTON	2					
W/GD/052	1	052	CL JIBEC LEVER	4					
1 / 053		053	ADJUSTING BLOCK	4					
1 /		-							
1 /		-							
1 /		-							
1 /		-							
1 /		-							
1 /		-							
1 /		-							
1 /		-							
1 /		-							
1 /		-							
1 /		-							
W/GD/066	1	066	FIELD LENS CELL	1					
1 / 067		067	CLIP	2					
1 /									
1 /									
W/GD/071	1	071	MOUNTING PLT	1					
W/GD/072	1	072	FRONT PLATE	1					
1 / 073		073	REAR PLATE	1					
1 / 074		074	FRAME	1					
1 / 075		075	BLADE	1					
1 / 076		076	BLADE	1					
W/GD/077	1	077	BLADE	1					
1 / 078		078	LEVER	1					
1 / 079		079	LATCH	1					
JOB TITLE					ASSY DRG. No.	SHEET No.	DRAWN BY		
1115 - SPECTROGRAPH - RED CAMERA SYSTEM					W/GD/000	3 of 7	PPD/MEC		
ROYAL GREENWICH OBSERVATORY,					HERSTMONCEUX CASTLE,	HAILSHAM,	SUSSEX		
							DATE MAR 1986		



DRAWING NUMBER	No. of Sheets	G.A. Item No.	DRAWING TITLE OR COMPONENT NAME	U. O. Z.	MATERIAL STOCK OR ORDER No. AND DATE	REMARKS	ISSUE DATE	ISSUED TO	FINISH DATE
W/GD/003	1	003	CEIL FOR SPH, MIRROR	1					
W/GD/004	1	004	SUPPORT DIAPHRAGM	1					
/ / 005		005	SUPPORT DIAPHRAGM	1					
W/GU/006	1	006	PLATE	1					
/ / 007		007	BUSH	6					
/ / 008		008	INSERT	3					
/ /									
W/G0/010	1	010	ROD	2	INVAR	MANUF. FROM A. K. L. O. Y. F. I. S.			
/ / 011		011	ROD	1	INVAR	" " " "			
/ /									
/ /									
/ /									
/ /									
/ /									
/ / 018		018	FOLD MOUNTING PL.	1					
W/G0/020	1	020	BUTTON	4					
/ / 021		021	VEE LOCATOR	1					
/ / 023		023	CONE SEAT	1					
/ / 024		024	INSERT	1					
/ / 025		025	SPRING SEAT	1					
W/GD/026	1	026	COVER	1					
/ / 029		029	THIN WOLF	3					
/ / 030		030	SPACER	4					
/ / 031		031	INSERT	4					
/ / 032		032	KINEMATIC SEAT	1					
/ / 033		033	" "	1					
/ / 034		034	" "	1					
/ / 035		035	KINEMATIC BALL ADJUSTER	3					
/ / 036		036	" " " "	3					
W/G0/037	1	037	ASPHERIC CELL MOUNT PL.	1					
W/G0/038	1	038	ASPHERIC CELL	1					
W/GD/039	1	039	PLATE	1					
/ / 040		040	"	1					
/ / 041		041	SPRING	3					
/ / 042		042	BUTTON	1					

JOB TITLE ISIS - SPECTROGRAPH - KEYS CAMERA SYSTEM	ASSY DRG. No. VIGE/00.	SHEET No. 2 of 7	DRAWN BY PHAMEL DATE MAR 1980
ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE,		HAILSHAM, SUSSEX	

