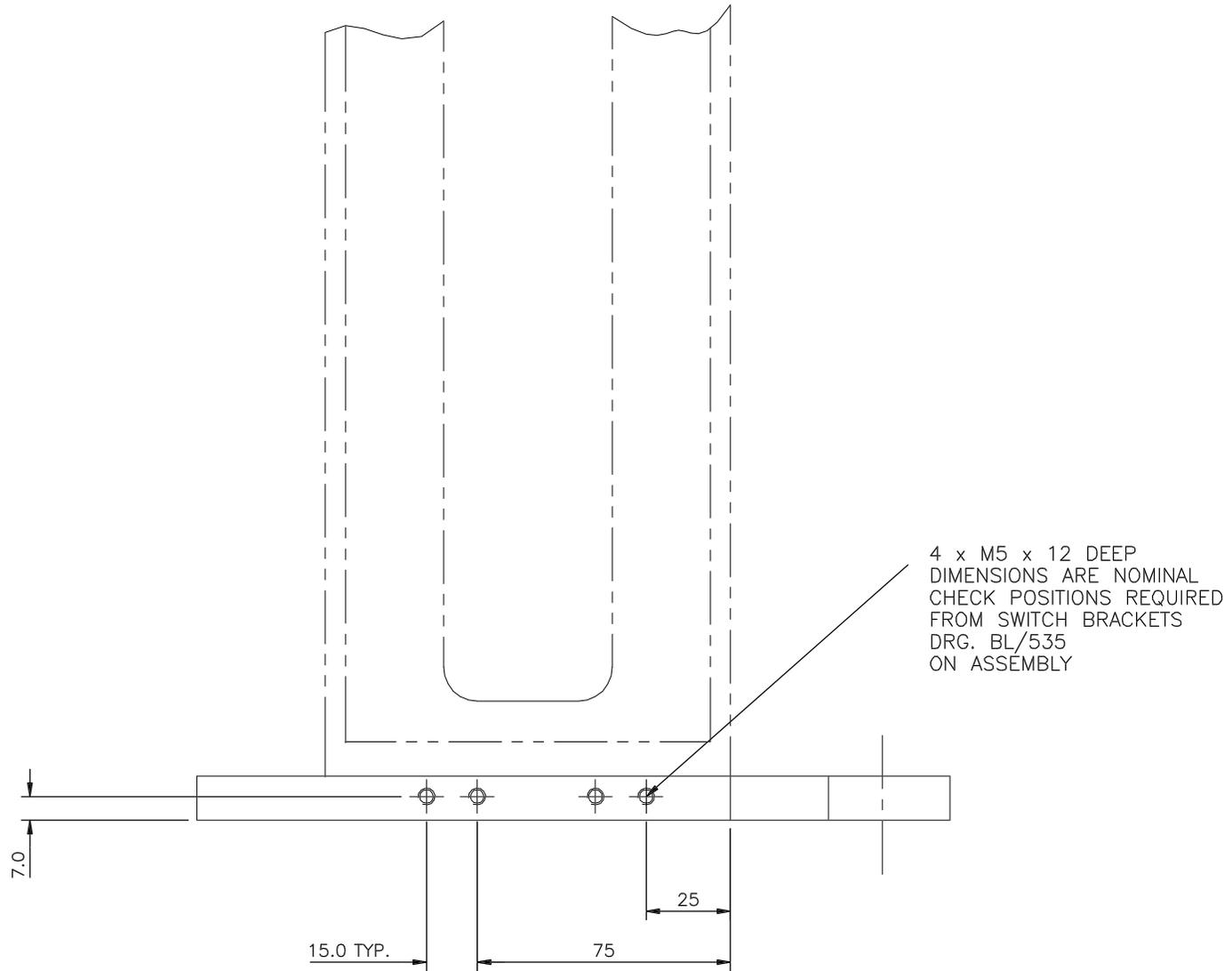


DRG NO.

BL/533

DO NOT SCALE



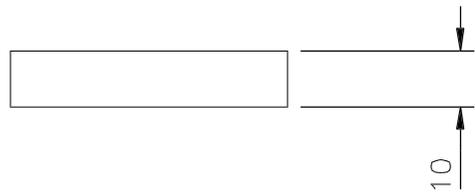
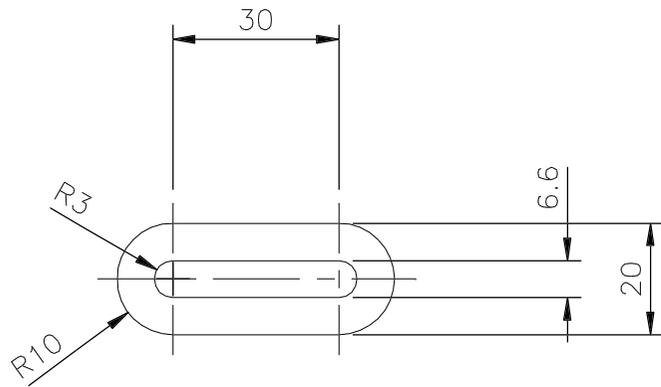
ALL OTHER DETAILS AS DRG. W/BL/402

				TOLERANCES (UNLESS OTHERWISE STATED) X ± X.X ± X.XX ± ANG. ±	MATERIAL	THIRD ANGLE PROJECTION ⊕ ↗	DIMS IN mm	ORIGINAL SCALE 1:1	ORIGINAL SHEET SIZE A2	G.A. NO.
1		19/12/96	AJW		FINISH	NO. REQ'D PER ASSY	ROYAL GREENWICH OBSERVATORY MADINGLEY ROAD CAMBRIDGE CB3 0EZ	TITLE 4.2 WYFFOS GRATING – SUPPORT MODS. TO SUIT POSITION ID SWITCH	LOC'N. BL SHT. 1	DRG NO. BL/533

DRG NO.
BL/534

DO NOT SCALE

REMOVE ALL SHARP EDGES

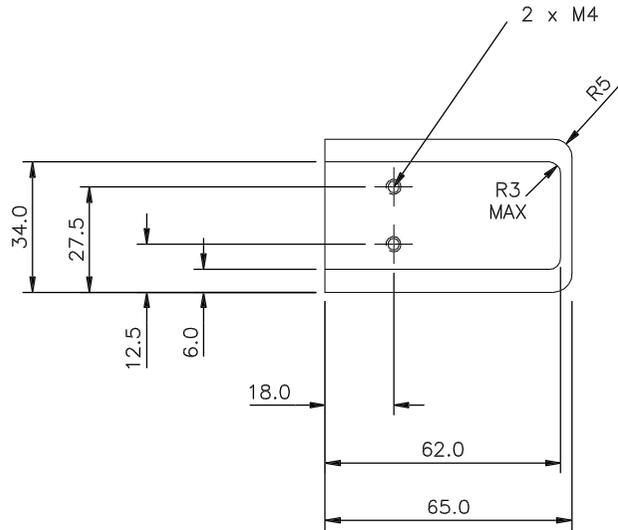
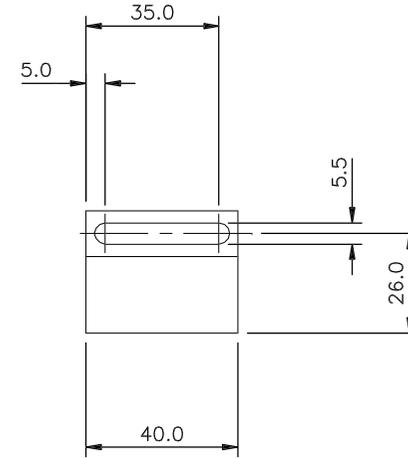
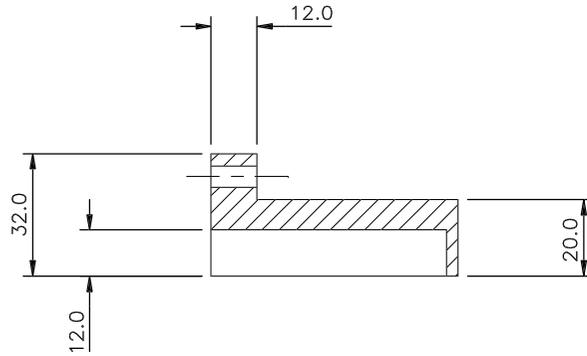


			TOLERANCES (UNLESS OTHERWISE STATED)	MATERIAL	THIRD ANGLE PROJECTION	DIMS IN mm	ORIGINAL SCALE 1:1	ORIGINAL SHEET SIZE A3	G.A. NO.
			X ± 0.3	AL.ALOY		ROYAL GREENWICH OBSERVATORY	TITLE 4.2 WYFFOS GRATING – BASEPLATE STOPS	REQUIRED FOR UPGRADE TO SUIT ECHELLE GRATING	
1	19/12/96	AJW	X.X ± 0.1	FINISH BLK.	No. REQ'D	MADINGLEY ROAD		DRG NO.	BL/534
ISSUE	DATE	DRAWN	X.XX ± 0.1	ANODISE	9 OFF	CAMBRIDGE CB3 0EZ		SHT.	1
			ANG. ±					LOC'N	BL

DRG NO.

BL/535

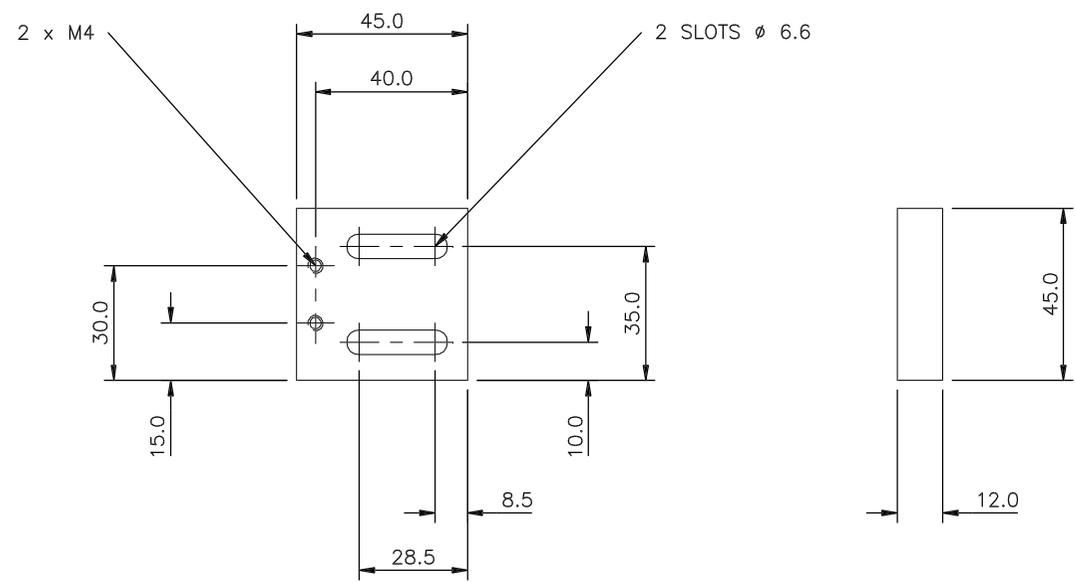
DO NOT SCALE
REMOVE ALL SHARP EDGES



				TOLERANCES (UNLESS OTHERWISE STATED) X X.X X.XX ANG.	MATERIAL H30 AL.ALLOY FINISH BLK.ANODISE	THIRD ANGLE PROJECTION NO. REQ'D PER ASSY 2 OFF	DIMS IN mm ORIGINAL SCALE 1:1	ORIGINAL SHEET SIZE A2	G.A. NO.
1		19/12/96	AJW	0.1			ROYAL GREENWICH OBSERVATORY MADINGLEY ROAD CAMBRIDGE CB3 0EZ	TITLE 4.2M WYFFOS GRATING - POS'N ID SWITCH BRACKET	LOC'N. BL SHT. 1 DRG NO. BL/535
ISSUE	MOD. NO.	DATE	DRAWN BY						

DRG NO.
BL/536

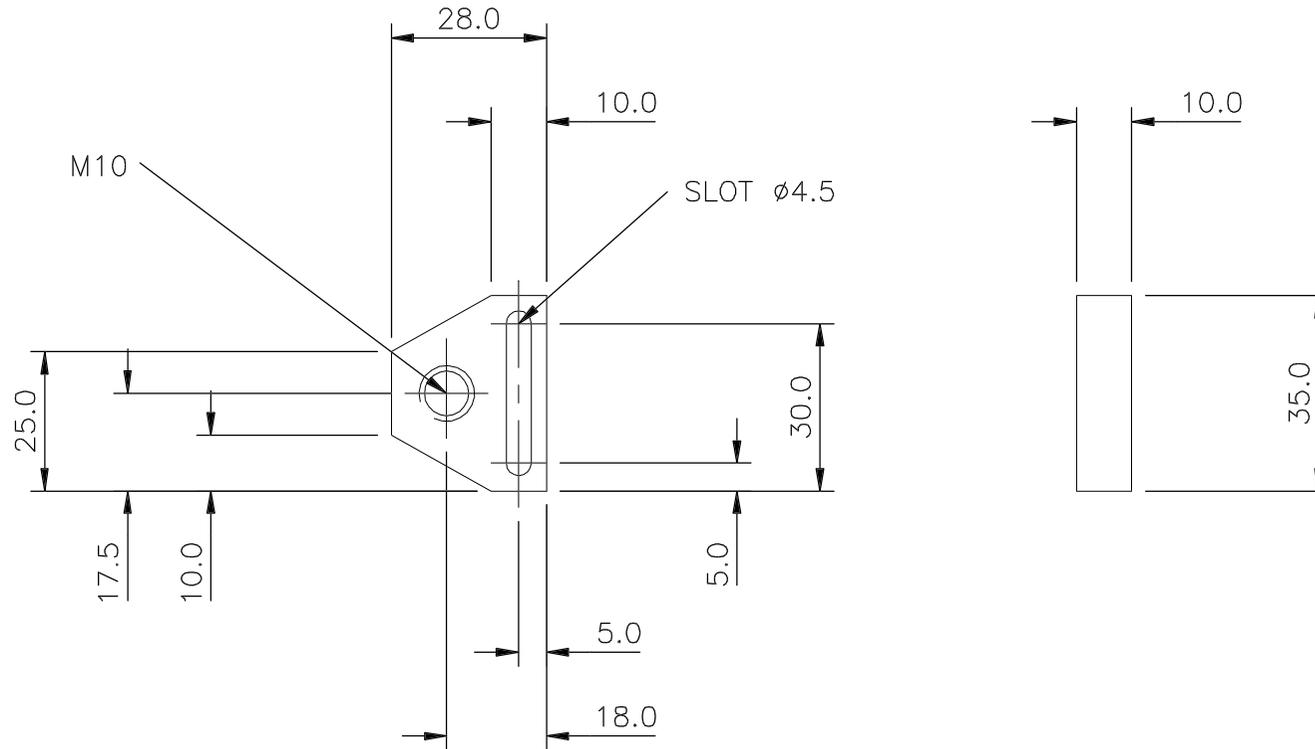
DO NOT SCALE
REMOVE ALL SHARP EDGES



				TOLERANCES (UNLESS OTHERWISE STATED) X ± X.X ± 0.1 X.XX ± ANG. ±	MATERIAL H30 AL.ALLOY	THIRD ANGLE PROJECTION ⊕ ↙	DIMS IN mm	ORIGINAL SCALE 1:1	ORIGINAL SHEET SIZE A2	G.A. NO.
1		19/12/96	AJW		FINISH BLK.ANODISE	NO. REQ'D PER ASS'Y 2 OFF	ROYAL GREENWICH OBSERVATORY MADINGLEY ROAD CAMBRIDGE CB3 0EZ	TITLE 4.2M WYFFOS GRATING - POS'N ID SWITCH FLAG BRACKET	LOC'N. BL SHT. 1	DRG NO. BL/536

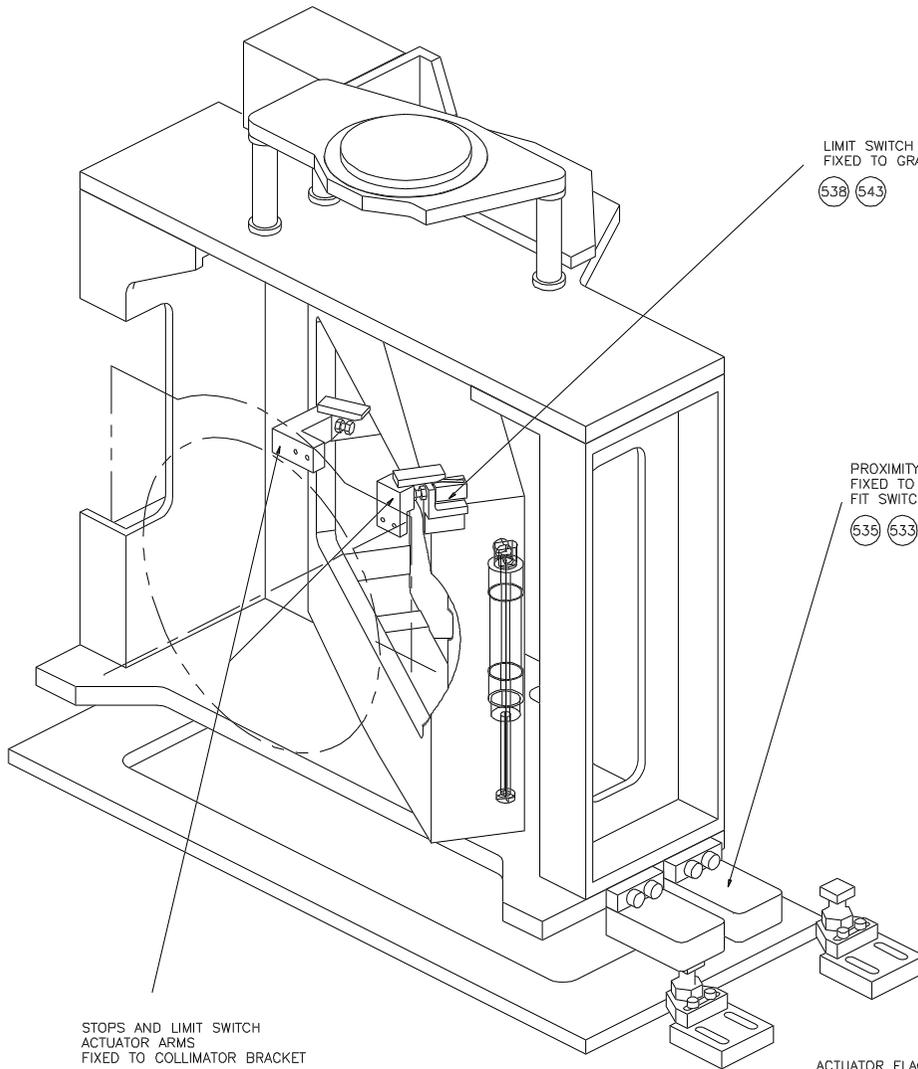
DRG NO.
BL/537

DO NOT SCALE
REMOVE ALL SHARP EDGES



			TOLERANCES (UNLESS OTHERWISE STATED)	MATERIAL	THIRD ANGLE PROJECTION	DIMS IN mm	ORIGINAL SCALE 1:1	ORIGINAL SHEET SIZE A3	G.A. NO.	
			X ± 0.1	AL.ALLOY		ROYAL GREENWICH OBSERVATORY		4.2M WYFFOS GRATING – POS'N ID		
1	19/12/96	AJW	X.X ±	FINISH BLK.	No. REQ'D	MADINGLEY ROAD		SWITCH FLAG BRACKET		
ISSUE	DATE	DRAWN	X.XX ±	ANODISE	2 OFF	CAMBRIDGE CB3 0EZ		DRG NO. BL/537	SHT. 1	LOC'N BL
			ANG. ±							

DO NOT SCALE

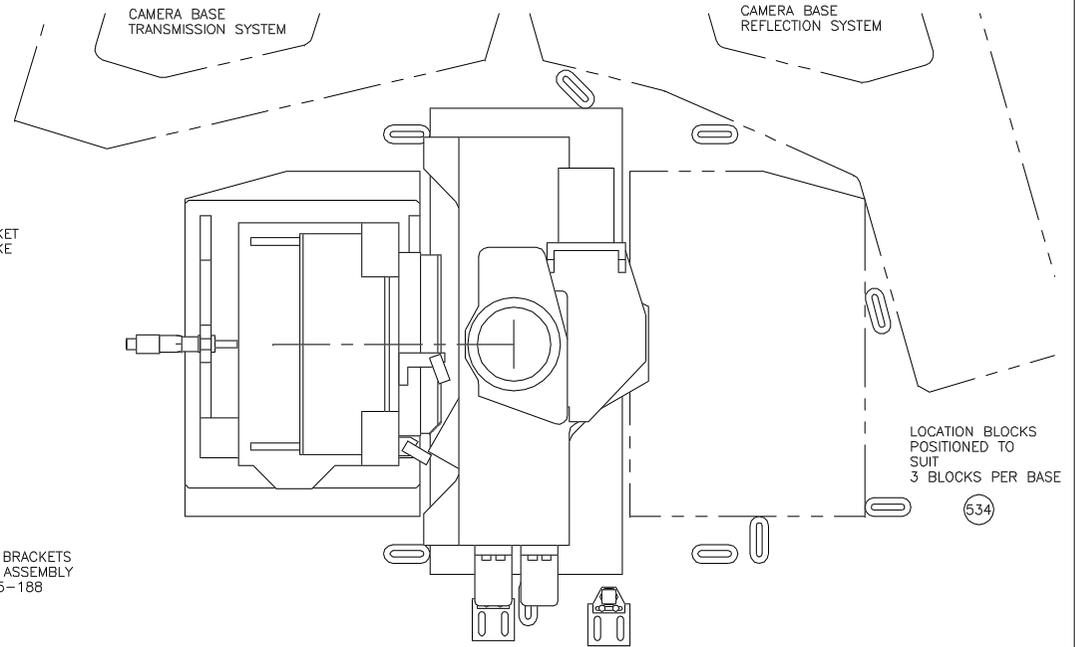


LIMIT SWITCH & BRACKET
FIXED TO GRATING YOKE
(538) (543)

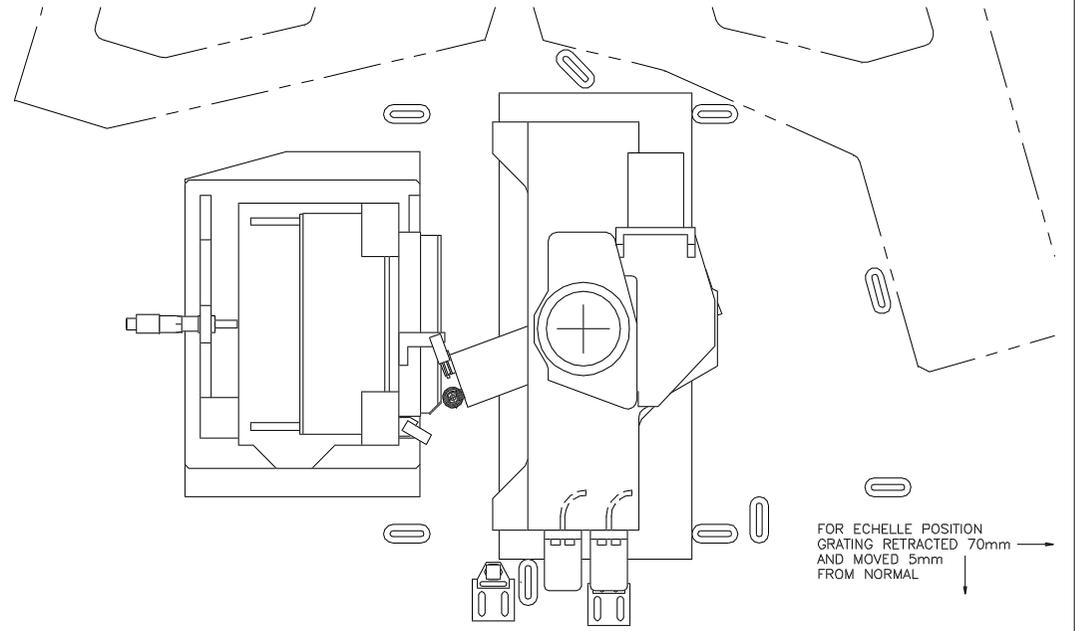
PROXIMITY SWITCH BRACKETS
FIXED TO GRATING ASSEMBLY
FIT SWITCH RS 285-188
(535) (533)

STOPS AND LIMIT SWITCH
ACTUATOR ARMS
FIXED TO COLLIMATOR BRACKET
(542) (541) (540) (539)

ACTUATOR FLAG
AND BRACKETS FIXED
TO OPTICAL TABLE
POSITION TO SUIT
(537) (536)



GRATING IN NORMAL OPERATING POSITION - 30 ° ROTATION MAX.



GRATING IN NORMAL OPERATING POSITION - 70 ° ROTATION MAX.

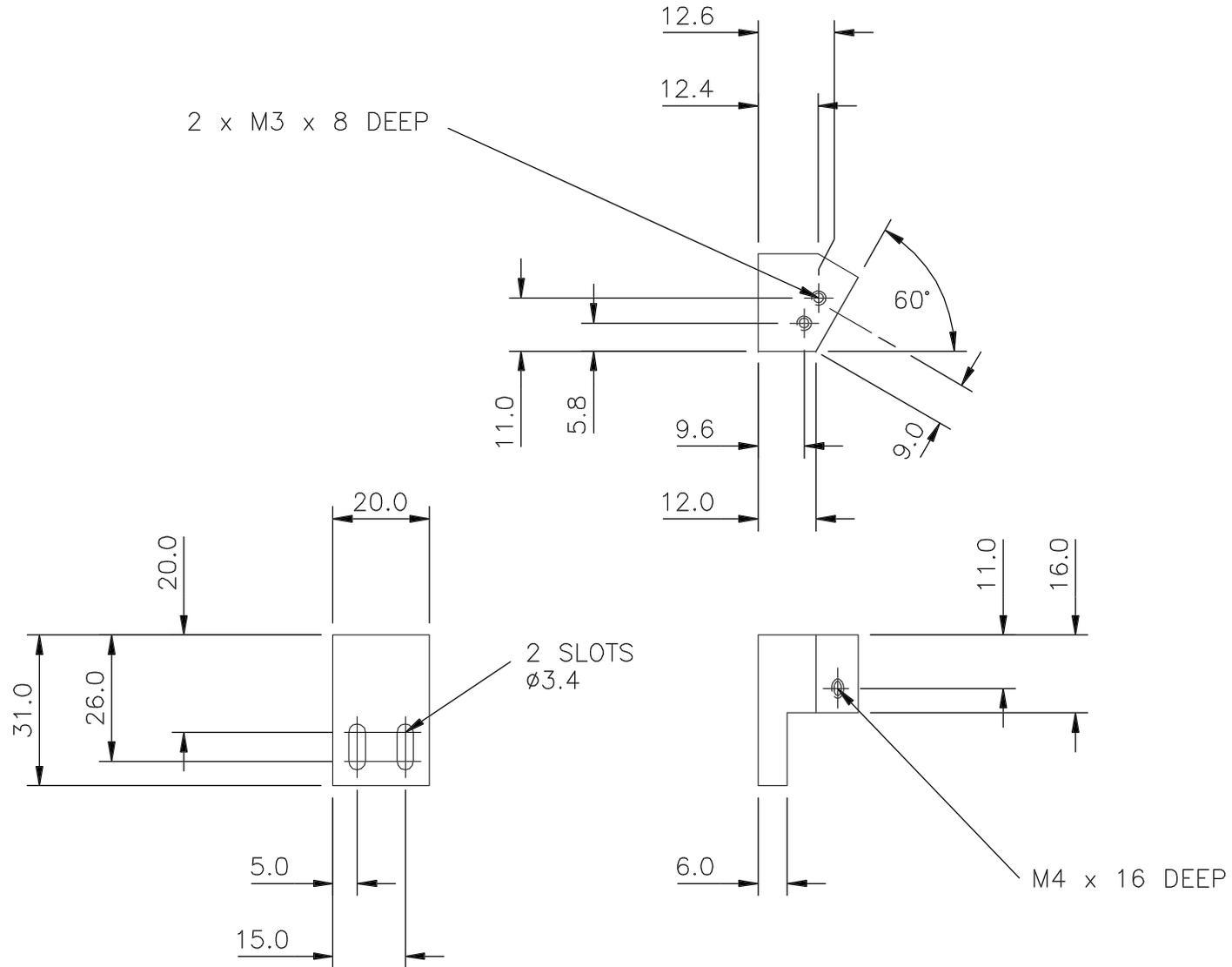
FOR ECHELLE POSITION
GRATING RETRACTED 70mm
AND MOVED 5mm
FROM NORMAL

								TOLERANCES (UNLESS OTHERWISE STATED)		MATERIAL	THIRD ANGLE PROJECTION	DIMS IN mm	ORIGINAL SCALE	ORIGINAL SHEET SIZE A0		G.A. NO.	LOC'N.	BL
ISSUE	MOD NO.	DATE	DRAWN BY	ISSUE	MOD NO.	DATE	DRAWN BY	x x.x x.xx ANG.	± ± ±	FINISH	NO. REQ'D PER ASSY	ROYAL GREENWICH OBSERVATORY MADINGLEY ROAD CAMBRIDGE CB3 0EZ	TITLE	DRG. NO.	SHT.NO.	1		
				1		19/12/96	AJW						4.2 WYFFOS GRATING - MODIFICATIONS TO SUIT THE ECHELLE GRATING MODE	BL/532				

DRG NO.
BL/539

DO NOT SCALE

REMOVE ALL SHARP EDGES

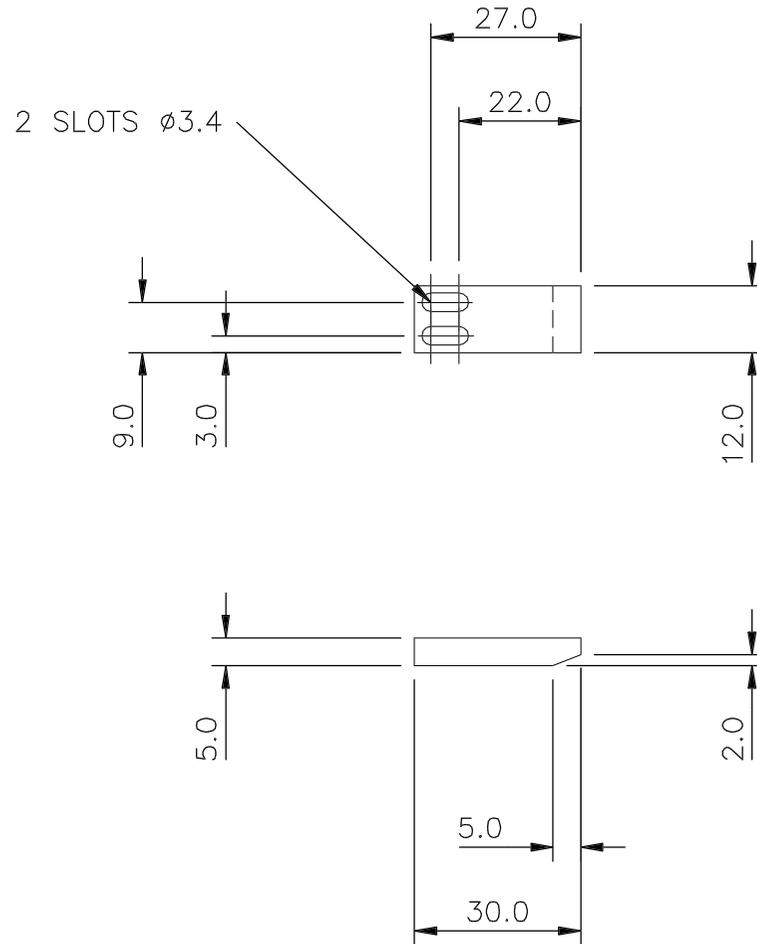


			TOLERANCES (UNLESS OTHERWISE STATED)	MATERIAL	THIRD ANGLE PROJECTION	DIMS IN mm	ORIGINAL SCALE 1:1	ORIGINAL SHEET SIZE A3	G.A. NO.	
			X ±	AL.ALLOY		ROYAL GREENWICH OBSERVATORY	TITLE	4.2 WYFFOS GRATING – STOP BRACKET		
1	19/12/96	AJW	X.X ± 0.1	FINISH BLK.	No. REQ'D	MADINGLEY ROAD	MOUNTED TO FIRST COLLIMATOR			
ISSUE	DATE	DRAWN	X.XX ±	ANODISE	1 OFF	CAMBRIDGE CB3 OEZ	DRG NO.	BL/539	SHT. 1	LOC'N BL
			ANG. ±							

DRG NO.
BL/540

DO NOT SCALE

REMOVE ALL SHARP EDGES

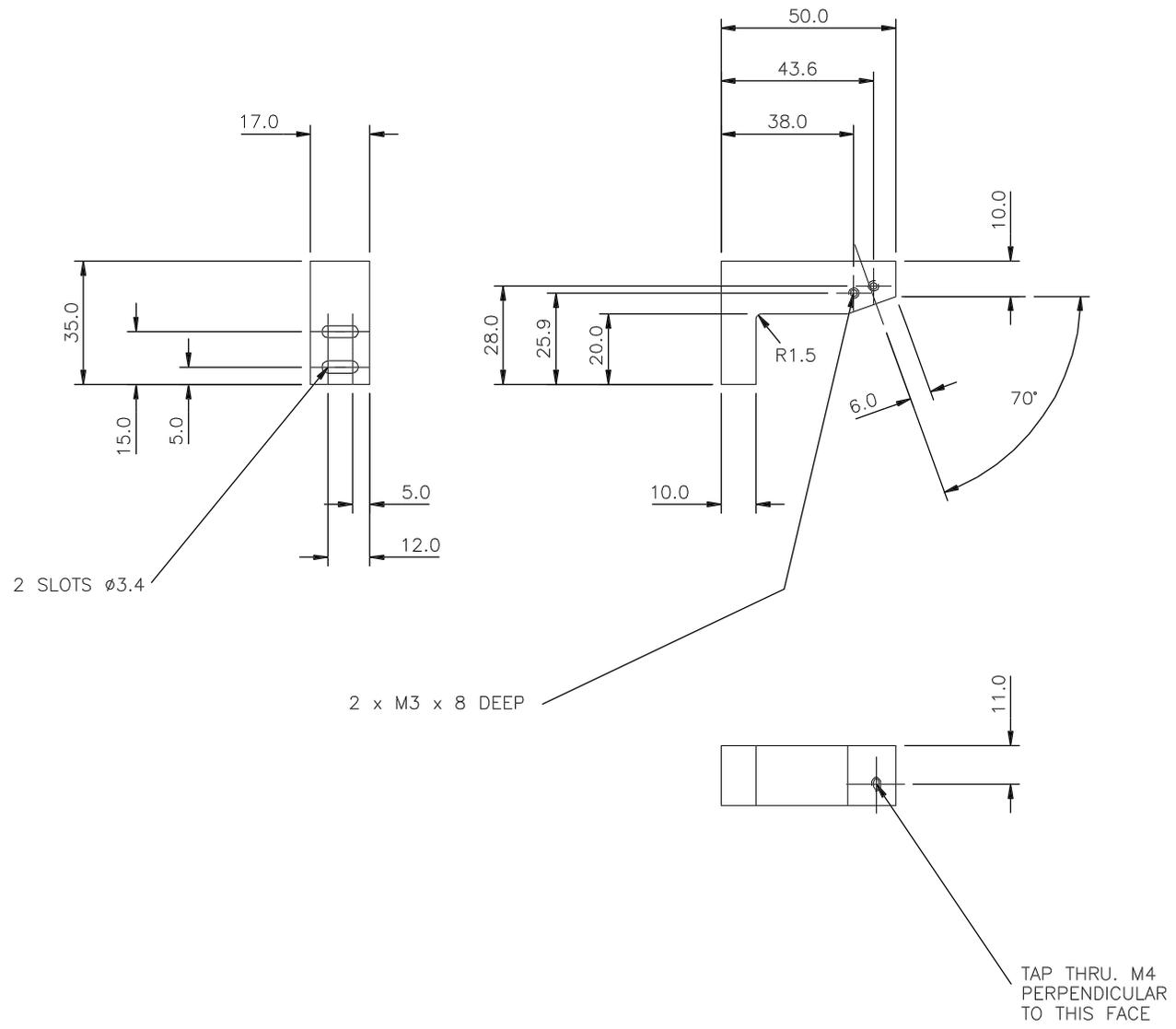


			TOLERANCES (UNLESS OTHERWISE STATED)	MATERIAL	THIRD ANGLE PROJECTION	DIMS IN mm	ORIGINAL SCALE 1:1	ORIGINAL SHEET SIZE A3	G.A. NO.	
			X \pm	AL.ALLOY		ROYAL GREENWICH OBSERVATORY	TITLE	4.2 WYFFOS GRATING – STOP ARM MOUNTED TO FIRST COLLIMATOR		
1	19/12/96	AJW	X.X \pm 0.1	FINISH	No. REQ'D	MADINGLEY ROAD				
ISSUE	DATE	DRAWN	X.XX \pm	BLK. ANODISE	2 OFF	CAMBRIDGE CB3 0EZ	DRG NO.	BL/540	SHT. 1	LOC'N BL
			ANG. \pm							

DRG NO.
BL/541

DO NOT SCALE

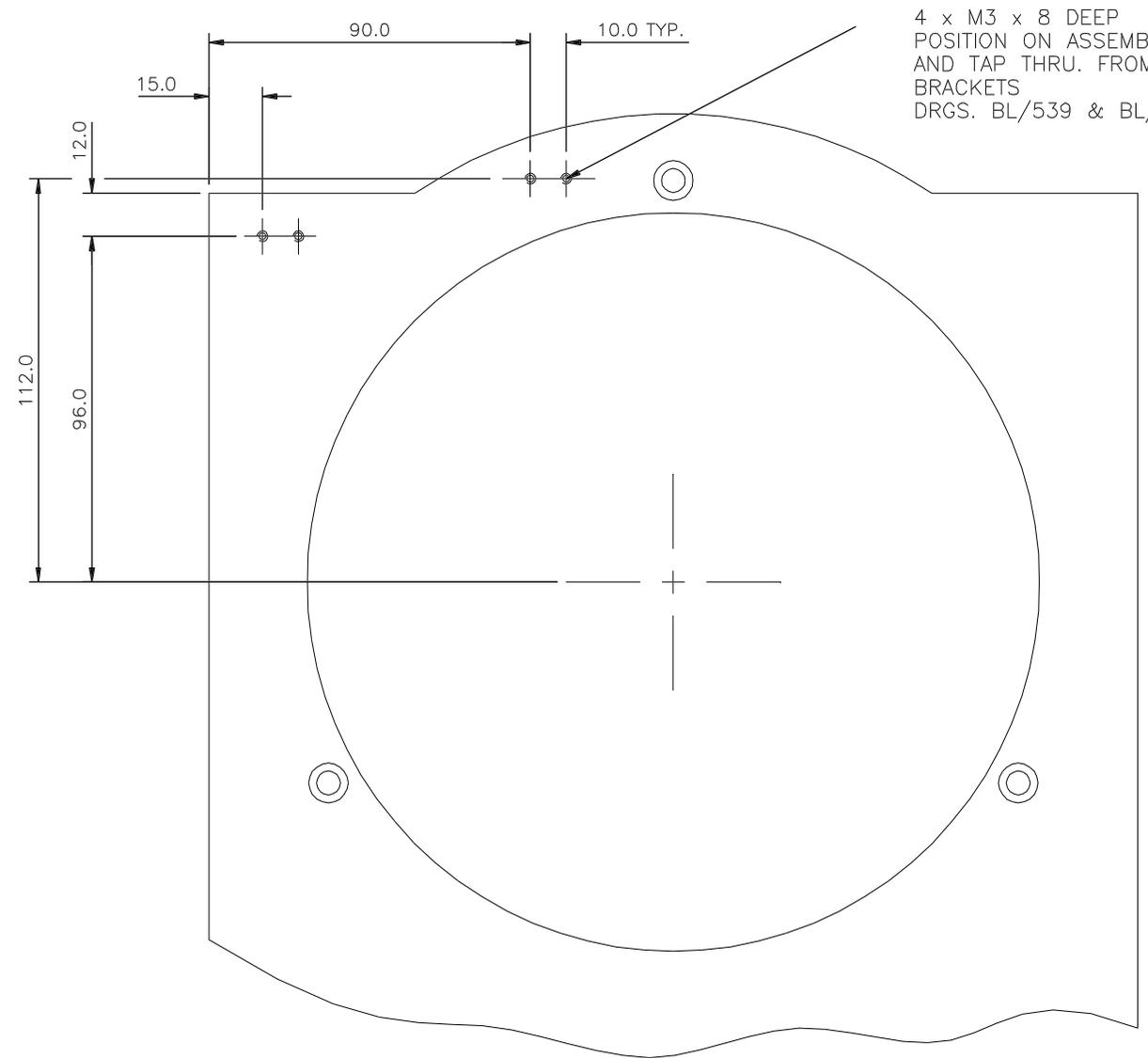
REMOVE ALL SHARP EDGES



				TOLERANCES (UNLESS OTHERWISE STATED)	MATERIAL	THIRD ANGLE PROJECTION	DIMS IN mm	ORIGINAL SCALE	ORIGINAL SHEET SIZE	G.A. NO.
				X ±	AL.ALLOY			1:1	A2	
1		19/12/96	AJW	X.X ± 0.1	FINISH	NO. REQ'D PER ASSY	ROYAL GREENWICH OBSERVATORY	TITLE	4.2 WYFFOS GRATING – STOP BRACKET	LOC'N. BL SHT. 1
ISSUE	MOD. NO.	DATE	DRAWN BY	X.XX ±	BLK.ANODISE	1 OFF	MADINGLEY ROAD	MOUNTED TO FIRST COLLIMATOR		DRG NO. BL/541
				ANG. ±			CAMBRIDGE CB3 0EZ			

DRG NO.
BL/542

DO NOT SCALE



4 x M3 x 8 DEEP
POSITION ON ASSEMBLY
AND TAP THRU. FROM
BRACKETS
DRGS. BL/539 & BL/541

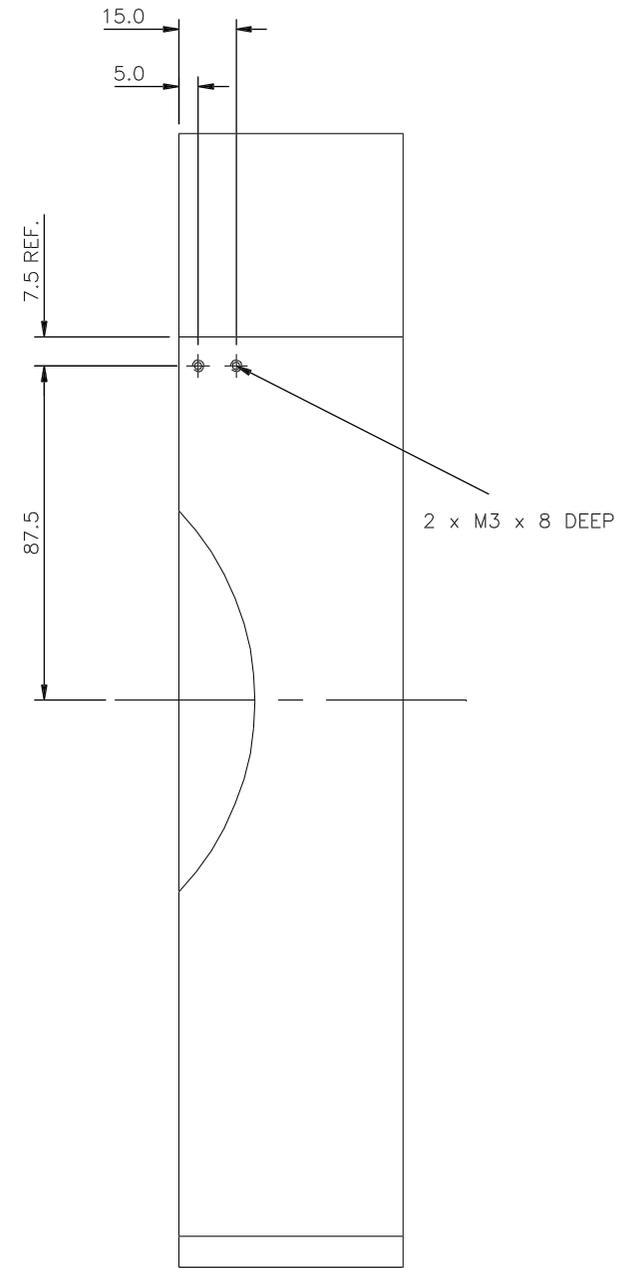
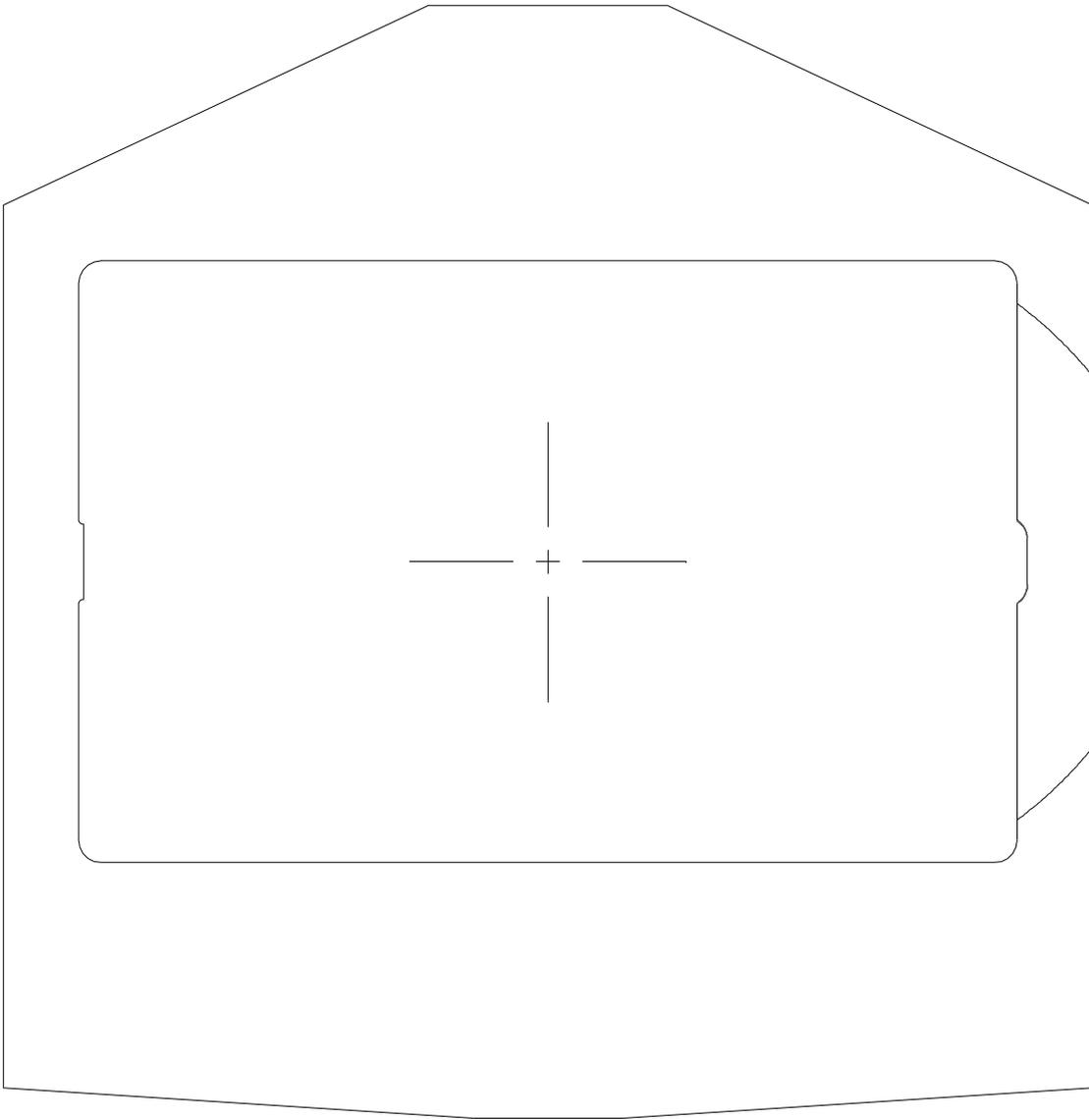
DIMENSIONS ARE NOMINAL POSITIONS
BUT CHECK ON ASSEMBLY
SPOT THRU.FROM STOP BRACKETS

ALL OTHER DETAILS SEE DRG. W/BL/301

				TOLERANCES (UNLESS OTHERWISE STATED)	MATERIAL	THIRD ANGLE PROJECTION	DIMS IN mm	ORIGINAL SCALE	ORIGINAL SHEET SIZE A2		G.A. NO.	
				X ±							LOC'N.	BL
1		19/12/96	AJW	X.X ±			ROYAL GREENWICH OBSERVATORY	TITLE		SHT. 1		
ISSUE	MOD. NO.	DATE	DRAWN BY	X.XX ±	FINISH	NO. REQ'D PER ASS'Y	MADINGLEY ROAD	4.2 WYFFOS GRATING – MODIFICATION		DRG NO.		
				ANG. ±			CAMBRIDGE CB3 0EZ	MOD TO COLLIMATOR TO SUIT GRATING STOPS		BL/542		

DRG NO.
BL/543

DO NOT SCALE



ALL OTHER DETAILS AS DRG. V/BL/493

				TOLERANCES (UNLESS OTHERWISE STATED)	MATERIAL	THIRD ANGLE PROJECTION	DIMS IN mm	ORIGINAL SCALE 1:1	ORIGINAL SHEET SIZE A2	G.A. NO.		
				X ±						LOC'N.	BL	SHT. 1
1		19/12/96	AJW	X.X ±		NO. REQ'D PER ASS'Y	ROYAL GREENWICH OBSERVATORY	TITLE	4.2 WYFFOS GRATING - YOKE MODS.	DRG NO.		
ISSUE	MOD. NO.	DATE	DRAWN BY	X.XX ±			MADINGLEY ROAD	TO SUIT EXTRA ROTATION FOR ECHELLE			BL/543	
				ANG. ±			CAMBRIDGE CB3 0EZ					