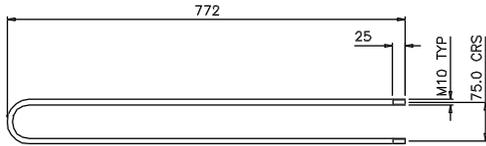


Drawing No. 1213
W/BL/1207

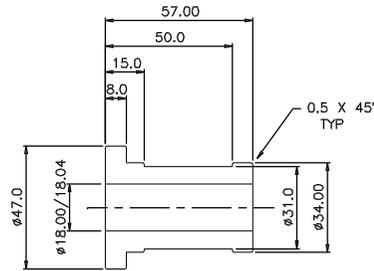
REMOVE ALL SHARP EDGES



Ø10 ALUM ROD

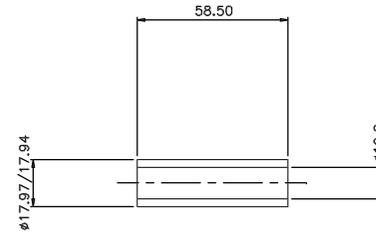
7			TITLE		
PULL ROD					
MATERIAL	SCALE	TOLERANCES			
ALUM ALLOY	1/5	X ±0.5			
FINISH	No. REQD. PER UNIT	XX ±0.3			
BLK ANODISE	1	XXX ±0.1			
G.A. No.	DRAWING No.				
V/BL/1200	W/BL/1207				

REMOVE ALL SHARP EDGES



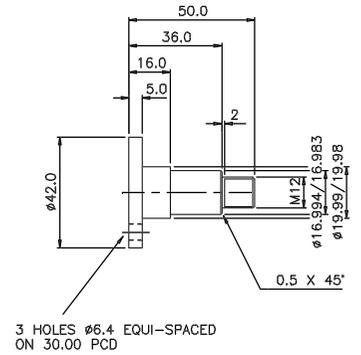
8			TITLE		
FLANGED ROLLER					
MATERIAL	SCALE	TOLERANCES			
MILD STEEL	FULL	X ±0.5			
FINISH	No. REQD. PER UNIT	XX ±0.3			
BLK	4	XXX ±0.1			
G.A. No.	DRAWING No.				
V/BL/1200	W/BL/1208				

REMOVE ALL SHARP EDGES



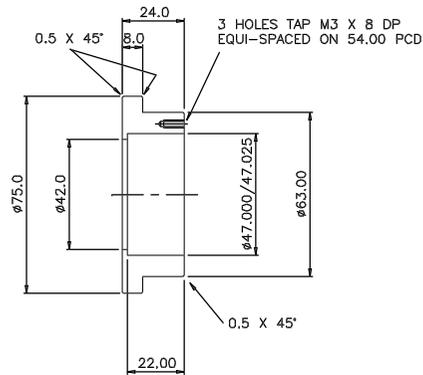
9			TITLE		
BEARING SPACER					
MATERIAL	SCALE	TOLERANCES			
PHOS BRONZE	FULL	X ±0.5			
FINISH	No. REQD. PER UNIT	XX ±0.3			
NAT.	4	XXX ±0.1			
G.A. No.	DRAWING No.				
V/BL/1200	W/BL/1209				

REMOVE ALL SHARP EDGES



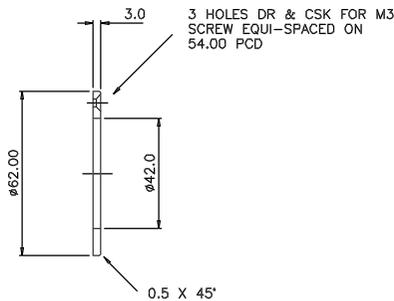
10			TITLE		
SPIGOT					
MATERIAL	SCALE	TOLERANCES			
MILD STEEL	FULL	X ±0.5			
FINISH	No. REQD. PER UNIT	XX ±0.3			
BLK	4	XXX ±0.1			
G.A. No.	DRAWING No.				
V/BL/1200	W/BL/1210				

REMOVE ALL SHARP EDGES



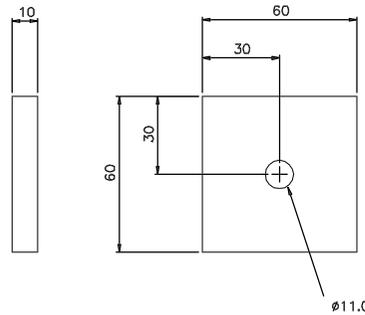
11			TITLE		
TRACK ROLLER					
MATERIAL	SCALE	TOLERANCES			
MILD STEEL	FULL	X ±0.5			
FINISH	No. REQD. PER UNIT	XX ±0.3			
BLK	4	XXX ±0.1			
G.A. No.	DRAWING No.				
V/BL/1200	W/BL/1211				

REMOVE ALL SHARP EDGES



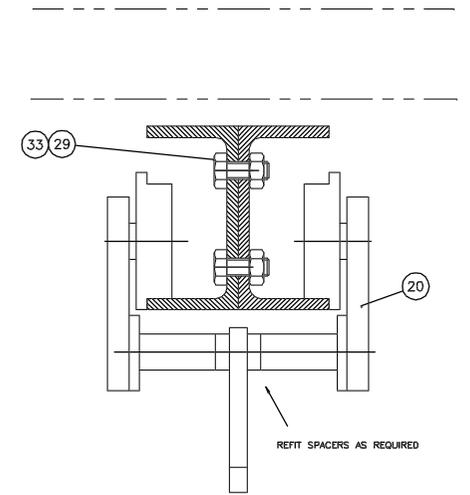
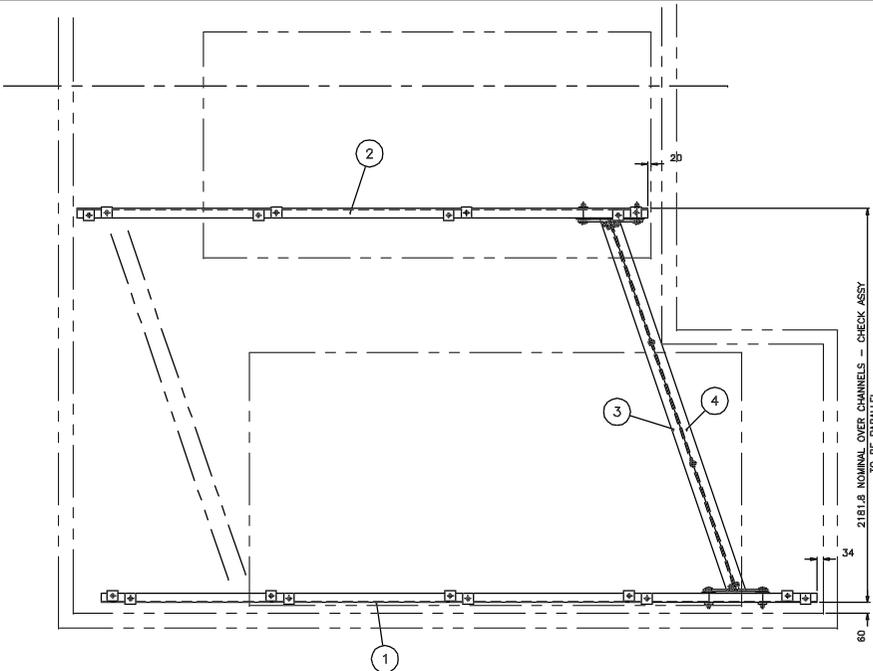
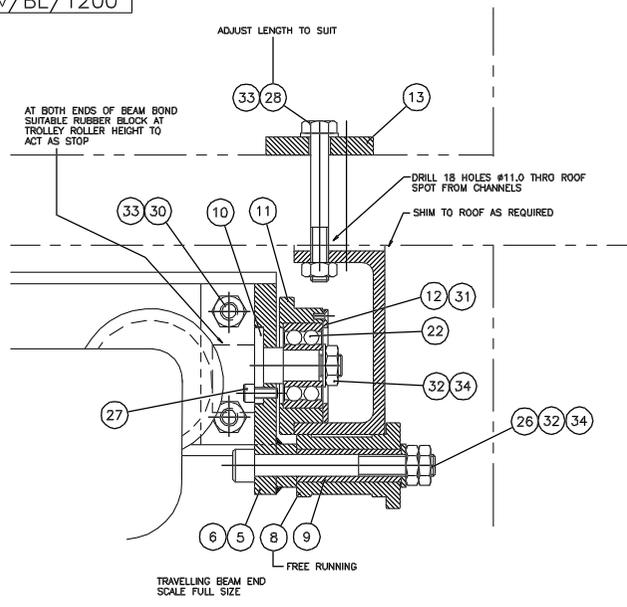
12			TITLE		
BEARING PLATE					
MATERIAL	SCALE	TOLERANCES			
MILD STEEL	FULL	X ±0.5			
FINISH	No. REQD. PER UNIT	XX ±0.3			
BLK	4	XXX ±0.1			
G.A. No.	DRAWING No.				
V/BL/1200	W/BL/1212				

REMOVE ALL SHARP EDGES

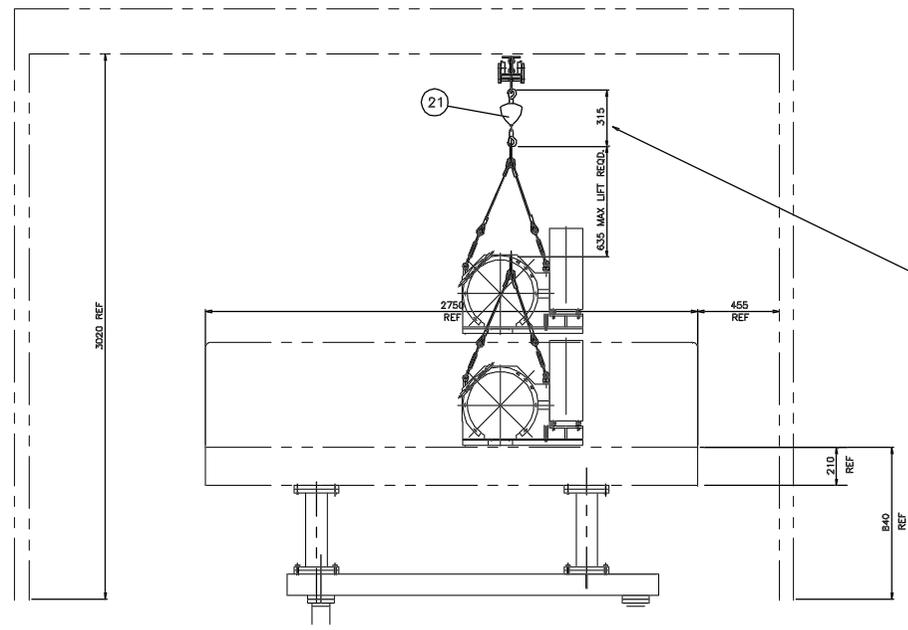
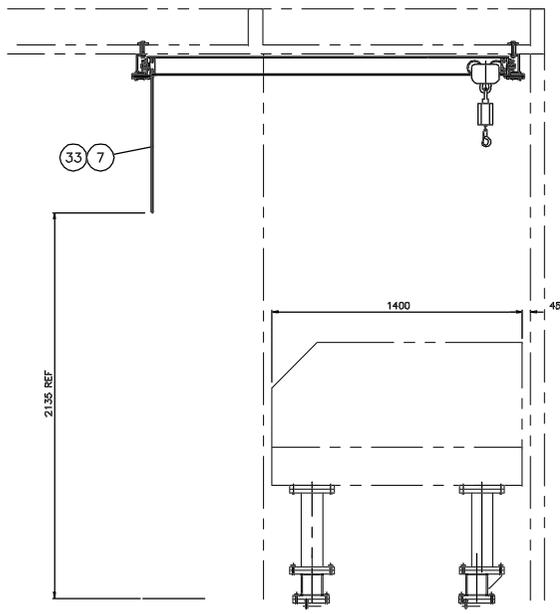


13			TITLE		
SPREADER PLATE					
MATERIAL	SCALE	TOLERANCES			
ALUM ALLOY	FULL	X ±0.5			
FINISH	No. REQD. PER UNIT	XX ±0.3			
BLK ANODISE	18	XXX ±0.1			
G.A. No.	DRAWING No.				
V/BL/1200	W/BL/1213				

Material		Dimns. in m.m.		Scale FULL		THIRD ANGLE PROJECTION		GA No.	
Finish		Drg.No.		No. Req.		ROYAL GREENWICH OBSERVATORY		Title	
Issue		Mod.No.		Date		MADINGLEY ROAD		DETAILS	
Date		Drawn by		Issue		CAMBRIDGE CB3 0EZ		Drawing No. 1213	
Date		Drawn by		Issue				W/BL/1207	
Date		Drawn by		Issue				ANG. +/-	



SECTION THRO TROLLEY & TRAVELLING BEAM
SCALE FULL SIZE



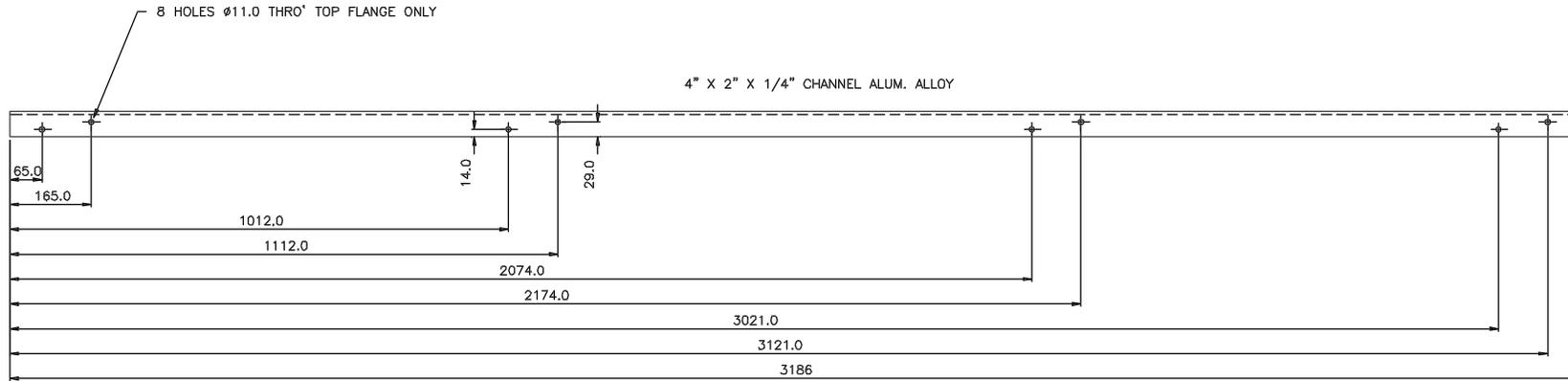
VIEW SHOWING OPTICAL TABLE IN GHRIL ROOM
SCALE 1/10 FULL SIZE

KEY-GRIDER TROLLEY
1/2 TONNE CAP
REF 114R110N
CAN BE FITTED WITH
1/2 TONNE CAP CHAIN BLOCK
MIN DIST. 275mm
17 kg TOTAL WT.

TOLERANCES (UNLESS OTHERWISE STATED)				MATERIAL		DIM IN MM		SCALE 1/10 & 1/1		TITLE		G.A. NO. SHIT 1 OF 1	
X	±	±	±							THIRD ANGLE PROJECTION			
X.X	±	±	±							ROYAL GREENWICH OBSERVATORY		DRG NO.	
X.XX	±	±	±							MADINGLEY ROAD		V/BL/1200	
ANG	±	±	±							CAMBRIDGE CB3 0EZ			
ISSUE	MOD. NO.	DATE	DRAWN BY	ISSUE	MOD. NO.	DATE	DRAWN BY	USED ON		WYFFOS-LIFTING ARRANGEMENT			

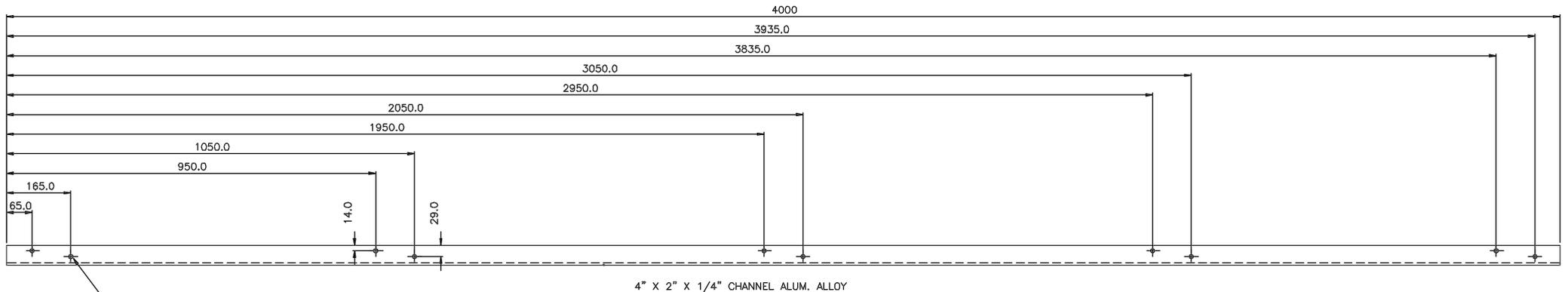
Drawing No. 1202
W/BL/1201

REMOVE ALL SHARP EDGES



2			TITLE		
			ROOF BEAM		
MATERIAL	SCALE	TOLERANCES			
SEE DRG.	1/5	X	±0.5		
FINISH	No. RECD. PER UNIT	X.X	±0.3		
NAT.	1	X.XX	±0.1		
GA. No.	R.G.O.	DRAWING No.			
V/BL/1200	W/BL/1202				

REMOVE ALL SHARP EDGES



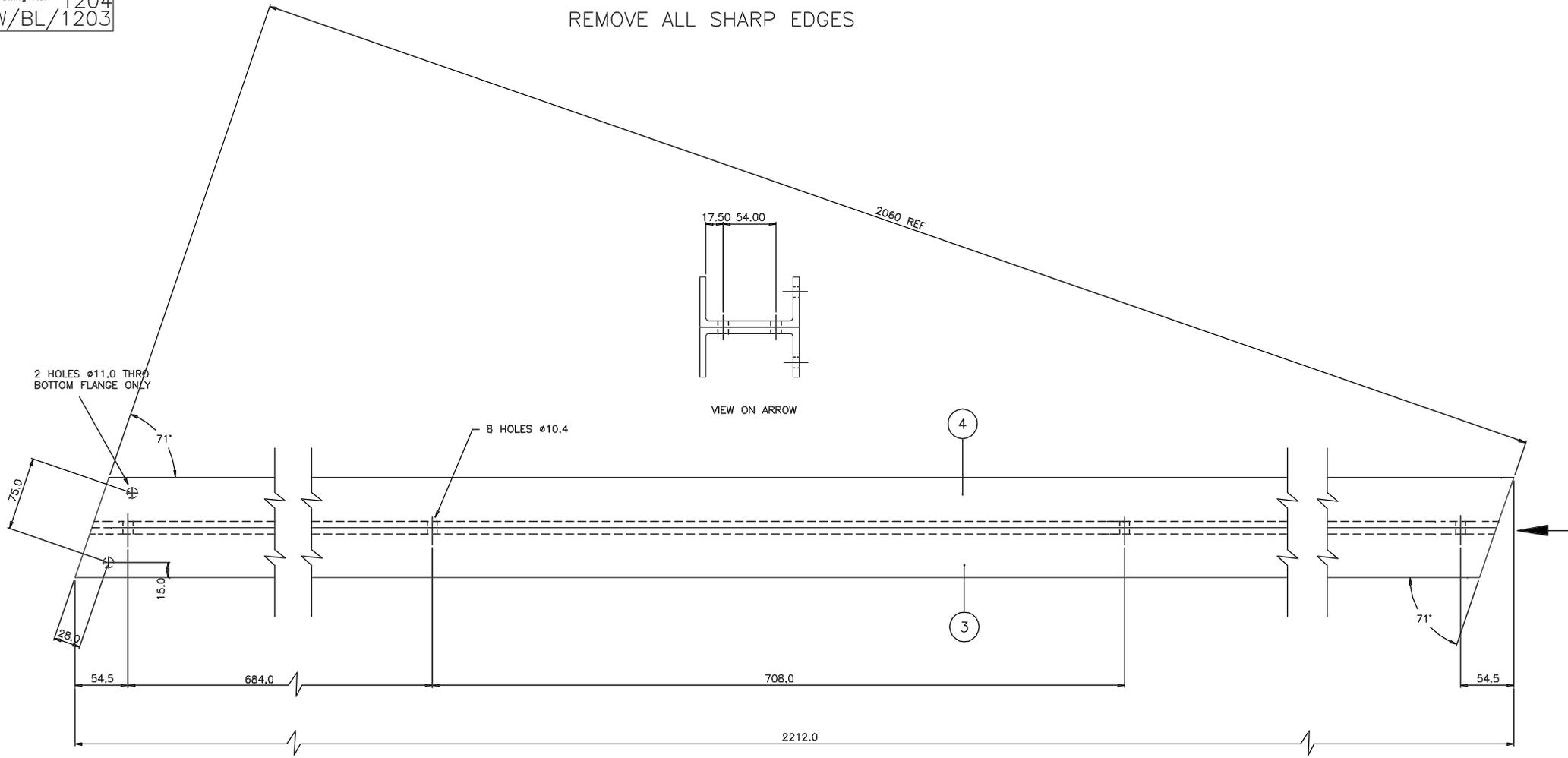
10 HOLES Ø11.0 THRO' TOP FLANGE ONLY

1			TITLE		
			ROOF BEAM		
MATERIAL	SCALE	TOLERANCES			
SEE DRG.	1/5	X	±0.5		
FINISH	No. RECD. PER UNIT	X.X	±0.3		
NAT.	1	X.XX	±0.1		
GA. No.	R.G.O.	DRAWING No.			
V/BL/1200	W/BL/1201				

							Tolerance (Unless otherwise stated)		Material		Dimns.in m.m.		Scale 1/5		THIRD ANGLE PROJECTION		GA. No.		
							X												
							X.X												
							X.XX												
							ANG.												
Issue	Mod.No	Date	Drawn by	Issue	Mod.No	Date	PROMECH			Drg.No.		No.Req.		ROYAL GREENWICH OBSERVATORY		Title		Drawing No. 1202	
										Used on				MADINGLEY ROAD		DETAILS		W/BL/1201	
														CAMBRIDGE CB3 0EZ					

Drawing No. 1204
W/BL/1203

REMOVE ALL SHARP EDGES

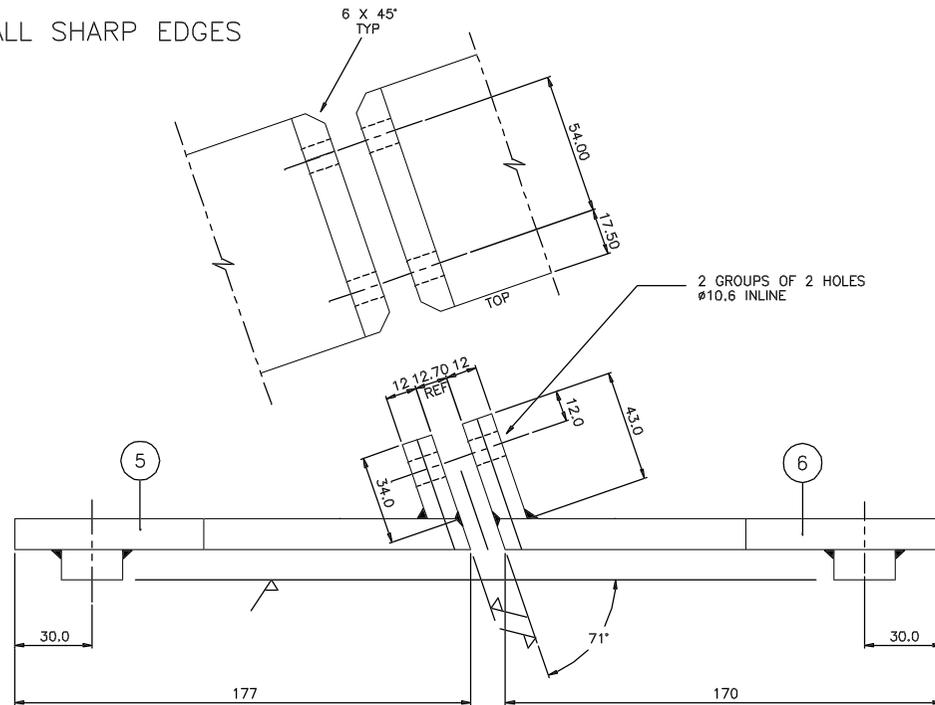


3 4		TITLE TRAVELLING BEAM	
MATERIAL	SCALE	TOLERANCES	
4" X 2" X 1/4"	1/2	x	±0.5
FINISH	No. RECD. PER UNIT	XX	±0.3
NAT.	1 EACH	XXX	±0.1
G.A. No. V/BL/1200	R.G.O.	DRAWING No. W/BL/1203 & 4	

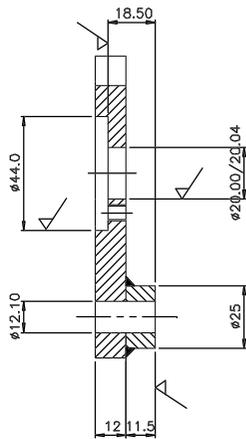
NOTE ALUM CHANNELS
4" X 2" X 1/4"
BACK TO BACK

				Tolerance (Unless otherwise stated)				Material		Dimns. in m.m.		Scale 1/2		THIRD ANGLE PROJECTION		GA No.	
				X +/-						ROYAL GREENWICH OBSERVATORY				Title		Drawing No. 1204	
				X.X +/-				Finish		MADINGLEY ROAD				DETAILS		W/BL/1203	
				X.XX +/-				Drg.No.		CAMBRIDGE CB3 0EZ							
				ANG. +/-				Used on									
Issue	Mod.No	Date	Drawn by	Issue	Mod.No	Date	Drawn by										

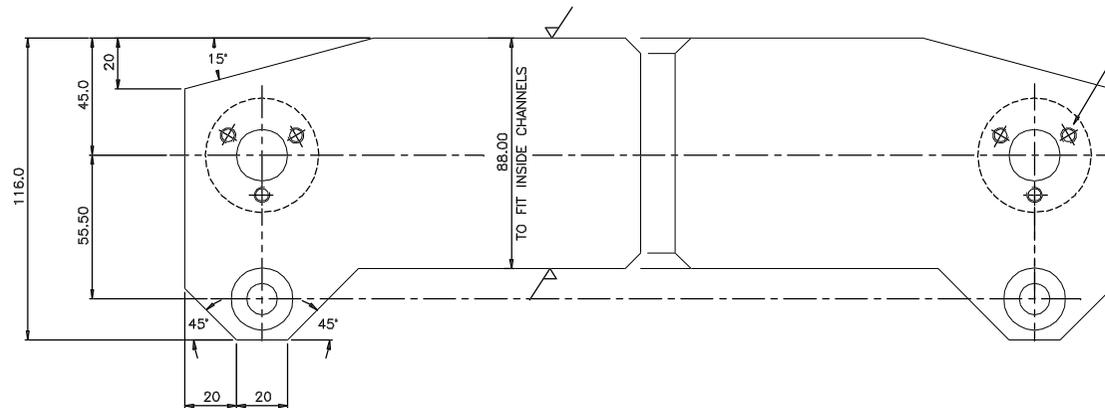
REMOVE ALL SHARP EDGES



2 GROUPS OF 2 HOLES
Ø10.6 INLINE



TYPICAL SECTION

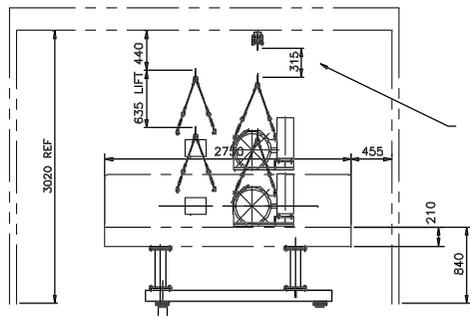
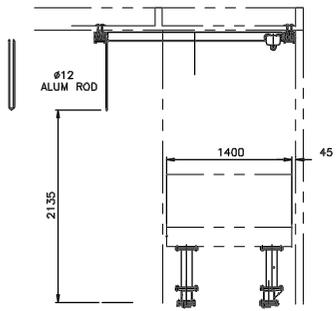
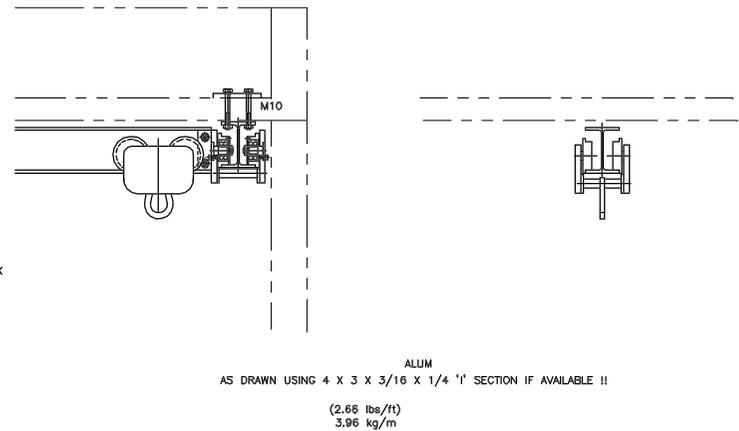
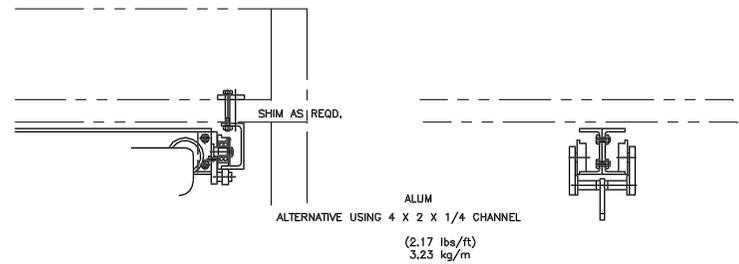
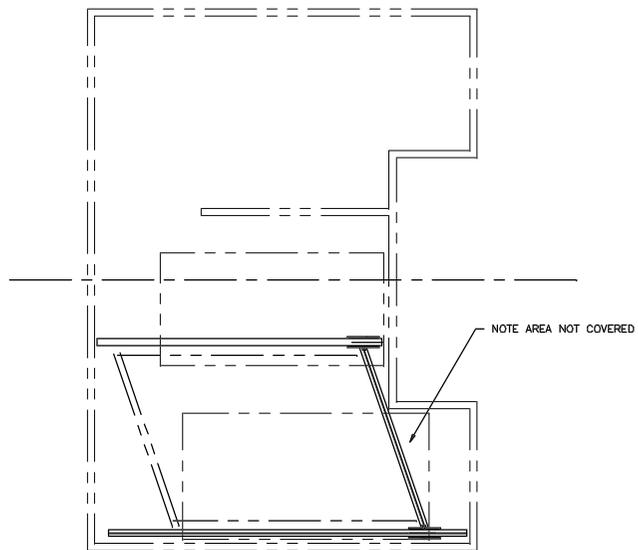


2 GROUPS OF 3 HOLES
M6 EQUI-SPACED ON
30.00 PCD

NOTE
WELDED ASSEMBLY—CONTINUOUS WELD WHERE SHOWN
STRESS RELIEVE AND M/C AT

5 6		TITLE	
CARRIAGE PLATE			
MATERIAL	SCALE	TOLERANCES	
MS FAB.	FULL	x	±0.5
FINISH	No. RECD. PER UNIT	x.x	±0.3
TO RGO SPEC	2 EA	x.xx	±0.1
G.A. No.	DRAWING No.		
V/BL/1200	R.G.O. W/BL/1205 & 6		

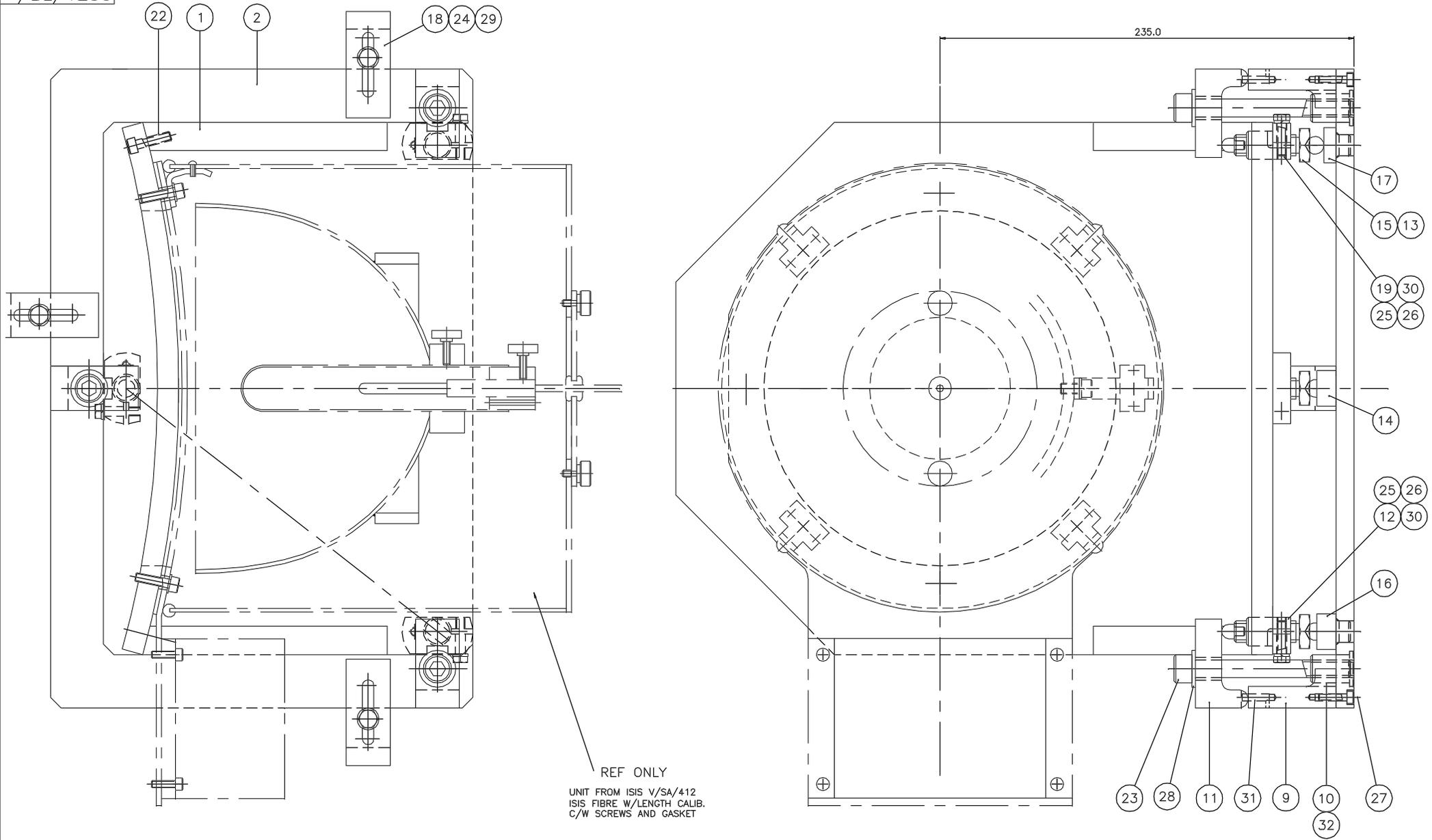
				Tolerance (Unless otherwise stated)		Material		Dimns. in m.m.		Scale		THIRD ANGLE PROJECTION		GA No.	
				X X.X X.XX ANG. +/-				ROYAL GREENWICH OBSERVATORY		Title		DETAILS		Drawing No. 1206	
Issue	Mod.No	Date	Drawn by	Issue	Mod.No	Date	Drawn by	Finish	Drg.No.	No.Req.	Used on	CAMBRIDGE CB3 0EZ		W/BL/1205	



KEY-GIRDER TROLLEY
1/2 TONNE CAP
REF 114R110A
CAN BE FITTED WITH
1/2 TONNE CAP CHAIN BLOCK
MIN DIST 275mm
17 kg TOTAL

TOLERANCES (UNLESS OTHERWISE STATED)				MATERIAL		DIM IN MM		SCALE 1/20 & 1/5		THIRD ANGLE PROJECTION		G.A. NO. SHIT 1 OF 1	
X	±	±								TITLE		DRG NO.	
X.X	+/-	+/-		FINISH	DRG NO.	NO REQ	ROYAL GREENWICH OBSERVATORY		LIFTING ARRANGEMENT LAYOUT-WYFFOS		V/XX/XXX		
X.XX	+/-	+/-			USED ON		MADINGLEY ROAD						
ANG	+/-	+/-					CAMBRIDGE CB3 0EZ						

Drawing No.
W/BL/1250

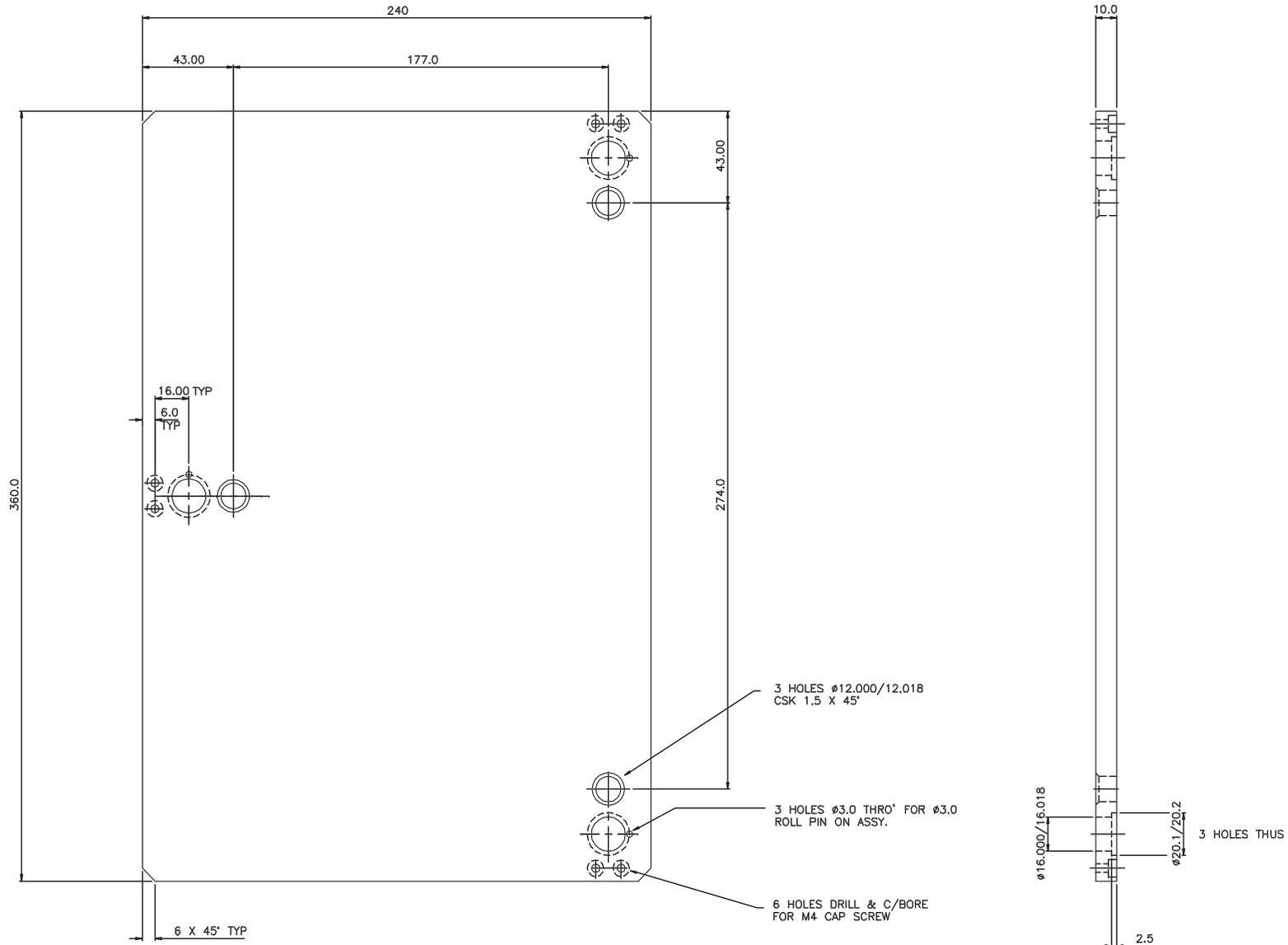


REF ONLY
UNIT FROM ISIS V/SA/412
ISIS FIBRE W/LENGTH CALIB.
C/W SCREWS AND GASKET

				Tolerance (Unless otherwise stated)				Material		Dimns. in m.m.		Scale		THIRD ANGLE PROJECTION				GA No.	
				X +/-						ROYAL GREENWICH OBSERVATORY				Title				Drawing No.	
				X.X +/-				Finish		MADINGLEY ROAD				WYFFOS-WAVELENGTH CALIBRATION				W/BL/1250	
				X.XX +/-				Drg.No.		CAMBRIDGE CB3 0EZ									
				ANG. +/-				No. Req.											
				Date				Used on											
				30/7/93															
				PROMECH															
				Date															
				Drawn by															

Drawing No.
W/BL/1252

REMOVE ALL SHARP EDGES



2		TITLE	
BASE PLATE			
MATERIAL	SCALE	TOLERANCES	
ALCOA PLATE	FULL	X	± 0.5
FINISH	No. RECD. PER UNIT	XX	± 0.3
BLK ANODISE	1	XXX	± 0.1
G.A. No.	DRAWING No.		
WBL1250	R.G.O.	W/BL/1252	

							Tolerance (Unless otherwise stated)		Material		Dimns. in m.m.		Scale		THIRD ANGLE PROJECTION		Title		GA No.	
							X	+/-			ROYAL GREENWICH OBSERVATORY				DETAIL		Drawing No.		W/BL/1252	
							X.X	+/-	Finish		MADINGLEY ROAD									
							X.XX	+/-	Drg.No.		CAMBRIDGE CB3 0EZ									
Issue	Mod.No	Date	Drawn by	Issue	Mod.No	Date	Drawn by	Used on	No.Req.											

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 / 1200	1		GENERAL ASSEMBLY						
W / BL / 1201	1	1	ROOF BEAM	1					
/ / 1202		2	ROOF BEAM	1					
W / BL / 1203	1	3	TRAVELLING BEAM	1					
/ / 1204		4	TRAVELLING BEAM	1					
W / BL / 1205	1	5	CARRIAGE PLATE	2					
/ / 1206		6	CARRIAGE PLATE	2					
W / BL / 1207	1	7	PULL ROD	1					
/ / 1208		8	FLANGED ROLLER	4					
/ / 1209		9	BEARING SPACER	4					
/ / 1210		10	SPIGOT	4					
/ / 1211		11	TRACK ROLLER	4					
/ / 1212		12	BEARING PLATE	4					
/ / 1213		13	SPREADER PLATE	18					
/ /									
/ /									
/ /									
/ /									
/ /									
/ /									
/ /		20	GIRDER TROLLEY KEY INDUSTRIES	1	No. 114R110N	PLAIN PUSH 1/2 T			
/ /		21	CHAIN BLOCK KEY INDUSTRIES	1	No. 100R110N	1/2 TONNE CAP.			
/ /		22	BALL BEARING INA 3303.2RS	4					
/ /									
/ /									
/ /									
/ /		26	SOC CAP SCREW M10 X 100	4					
/ /		27	" " " M6 X 12	12					
/ /		28	HEX BOLT M10 X 100	18					
/ /		29	" " M10 X 25	4					
/ /		30	" " M10 X 50	4					
/ /		31	CSK SCREW M3 X 8	12					
/ /		32	HEX LOCK NUT M12	12					
/ /		33	HEX NUT M10	30					
/ /		34	PLAIN WASHER ø12	8					
/ /		35	" " ø10	18					
/ /									
/ /									
JOB TITLE						ASS'Y DRG No.	SHEET No.	DRAWN BY PROMECH	
WYFFOS – LIFTING ARRANGEMENTS						V/BL/1200	1 OF 1	DATE 26/7/93	
ROYAL GREENWICH OBSERVATORY, MADINGLEY ROAD, CAMBRIDGE									