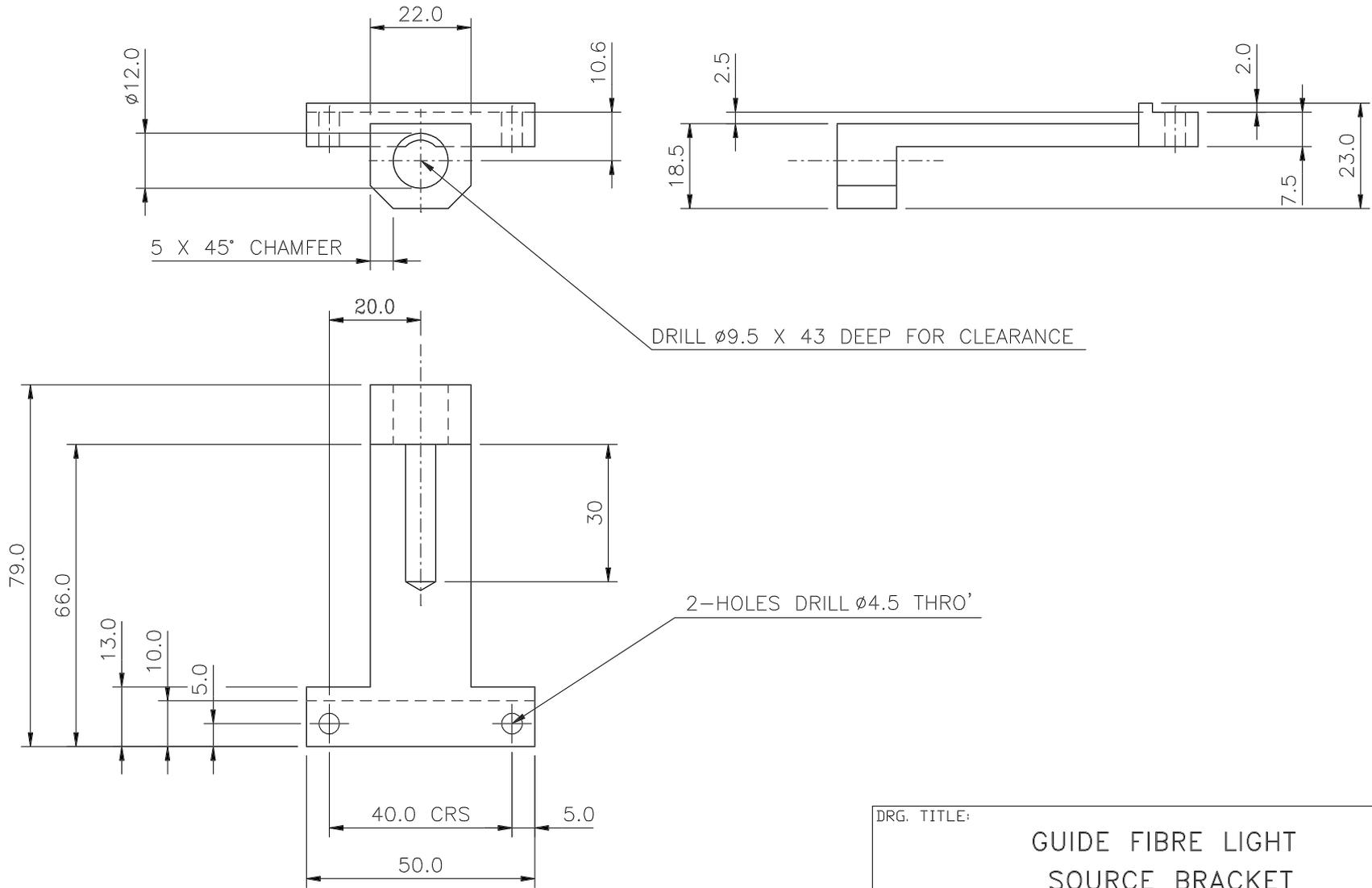
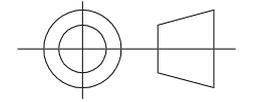


DO NOT SCALE

THIRD ANGLE PROJECTION



DRILL $\phi 9.5$ X 43 DEEP FOR CLEARANCE

2-HOLES DRILL $\phi 4.5$ THRO'

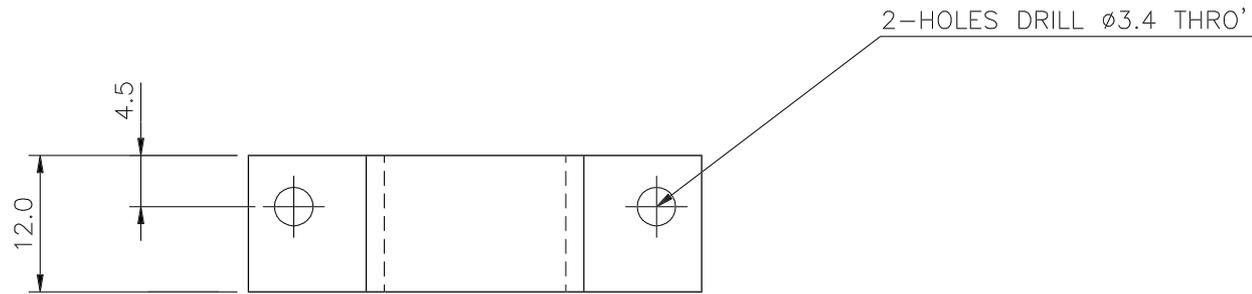
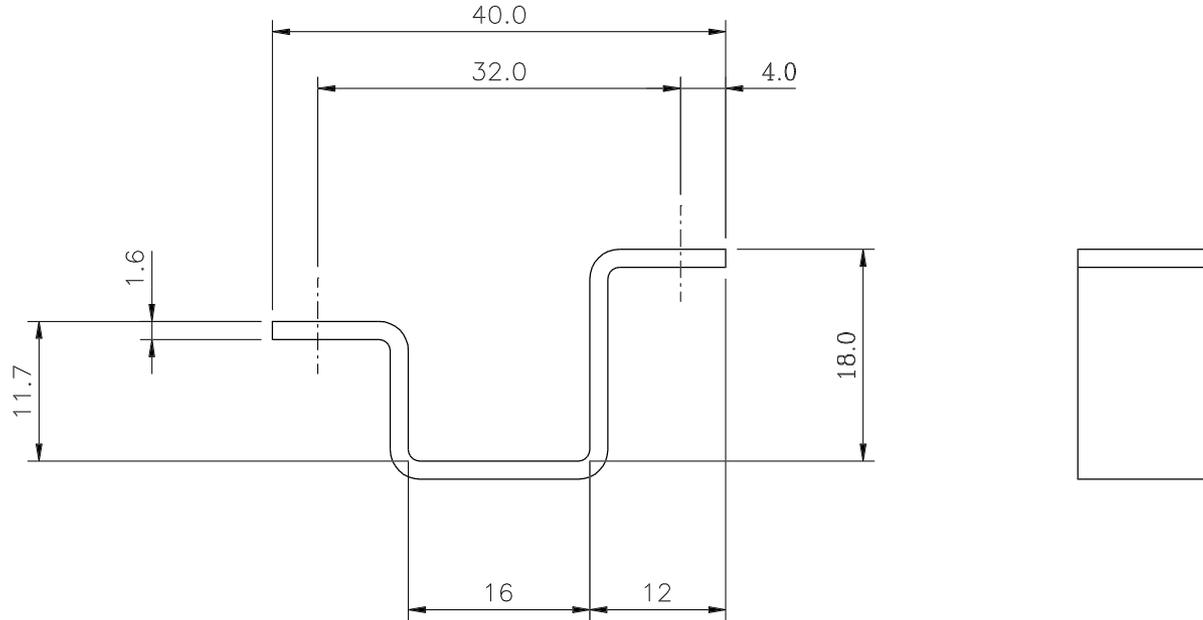
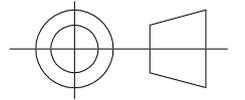
DRG. TITLE:		GUIDE FIBRE LIGHT SOURCE BRACKET	
SCALES:	1:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP	
DRAWN BY:	G.D		
DATE	9/05/94	DRAWING No.	AF2\FM-26
		REV. SIZE	A3
		REV.	A

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED			
IMPLIED TOLERANCES			
X (OVER 100) ± 0.20			
X (UP TO 100) ± 0.1			
X.X ± 0.10			
X.XX ± 0.05			
ISSUE	REVISION	DRN	DATE

Material:
AL ALLOY
Quantity: 1 OFF

DO NOT SCALE

THIRD ANGLE PROJECTION



DRG. TITLE:		COVER -GUIDE FIBRES	
SCALES:		2:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108
DRG. TYPE:		PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP
DRAWN BY:		G.D	
DATE		7/05/94	DRAWING No. AF2\FM-23
ISSUE		REVISION	DRN

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED

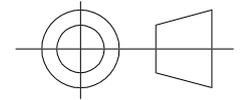
IMPLIED TOLERANCES
 X (OVER 100) ±0.20
 X (UP TO 100) ±0.1
 X.X ±0.10
 X.XX ±0.05

Material:
AL ALLOY
 Quantity: 1 OFF

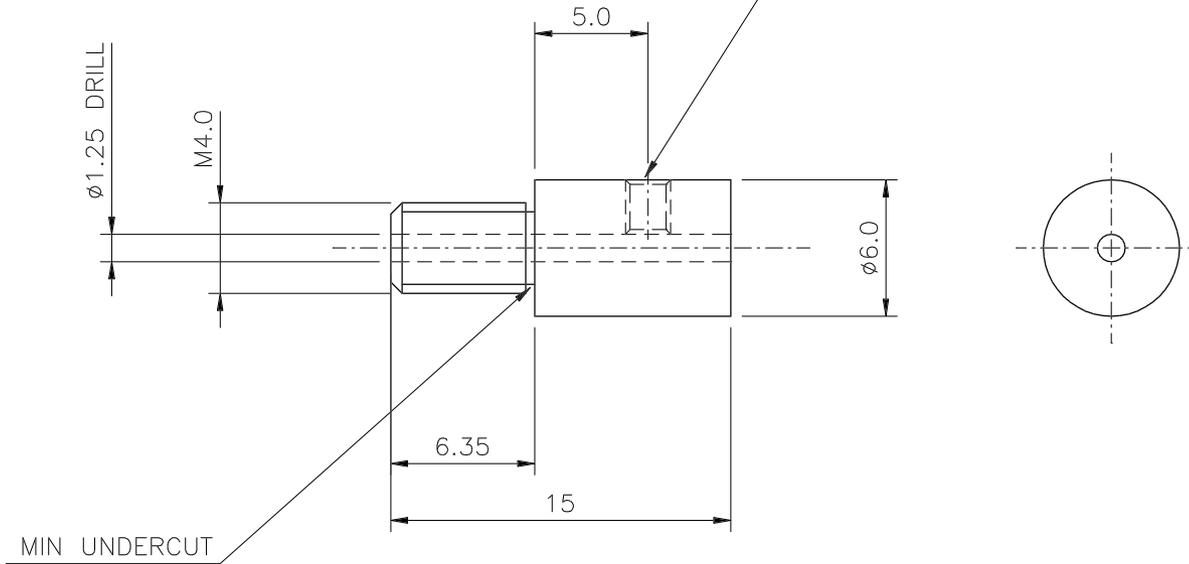
DRG. SIZE
A3
 REV.
A

DO NOT SCALE

THIRD ANGLE PROJECTION



1-HOLE DRILL & TAP M2 THRO,
POSITION DETERMINED WHEN SCREWED INTO
FIELD PLATE CARRIER



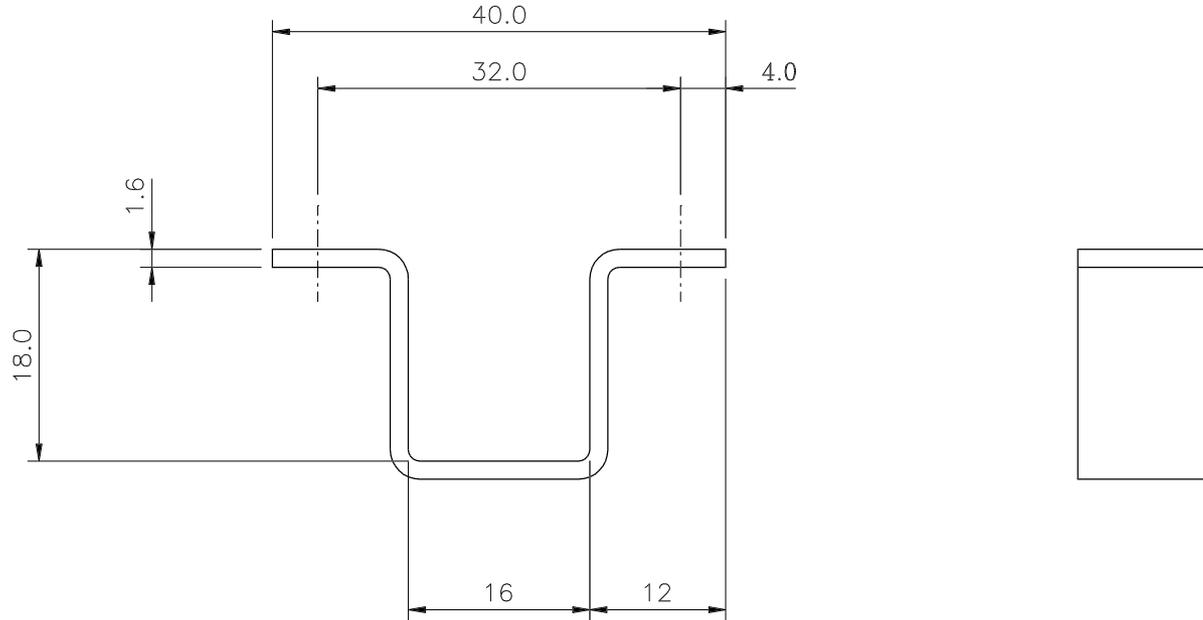
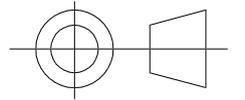
DRG. TITLE:		FIBRE HOLDER - GUIDE FIBRES	
SCALES:		1:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108
DRG. TYPE:		PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP
DRAWN BY:		G.D	
DATE		7/05/94	DRAWING No. AF2\FM-24
REV.:		A	DRG. SIZE A3

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED			
IMPLIED TOLERANCES			
X (OVER 100) ±0.20			
X (UP TO 100) ±0.1			
X.X ±0.10			
X.XX ±0.05			
ISSUE	REVISION	DRN	DATE

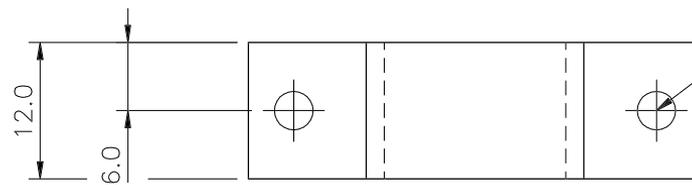
Material:
BRASS
Quantity: 5 OFF

DO NOT SCALE

THIRD ANGLE PROJECTION



2-HOLES DRILL $\phi 3.4$ THRO'

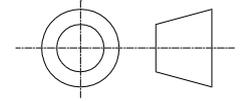


DRG. TITLE:		COVER -GUIDE FIBRES	
SCALES:	2:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP	A3
DRAWN BY:	G.D		
DATE	7/05/94	DRAWING No.	AF2\FM-23
			REV. A

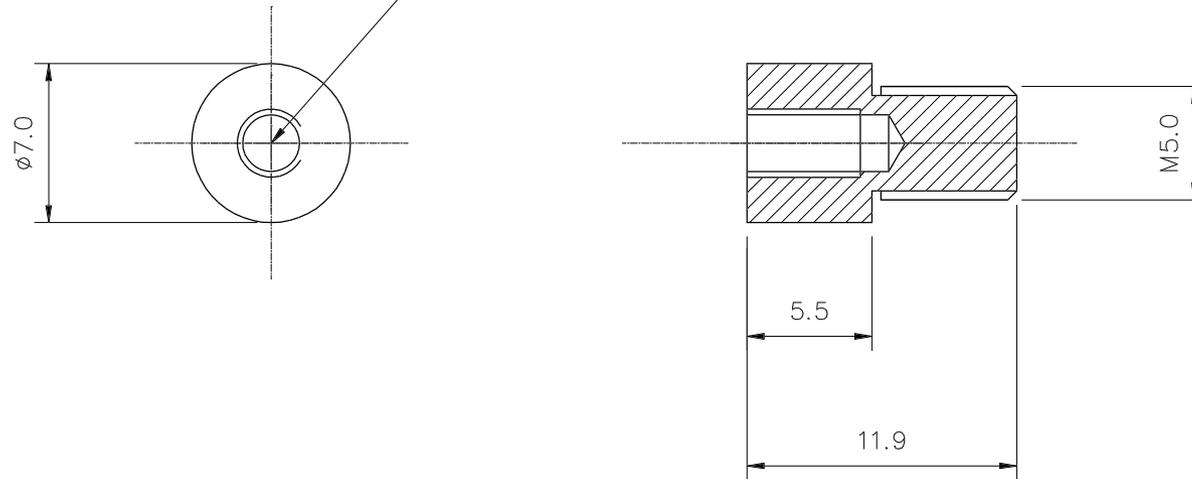
				ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED	
				IMPLIED TOLERANCES X (OVER 100) ± 0.20 X (UP TO 100) ± 0.1 X.X ± 0.10 X.XX ± 0.05	Material: AL ALLOY
ISSUE	REVISION	DRN	DATE		Quantity: 4 OFF

DO NOT SCALE

THIRD ANGLE PROJECTION



1 HOLE(S) DRILL 2.50 6.3 DEEP
TAP M3.00 5.0 DEEP



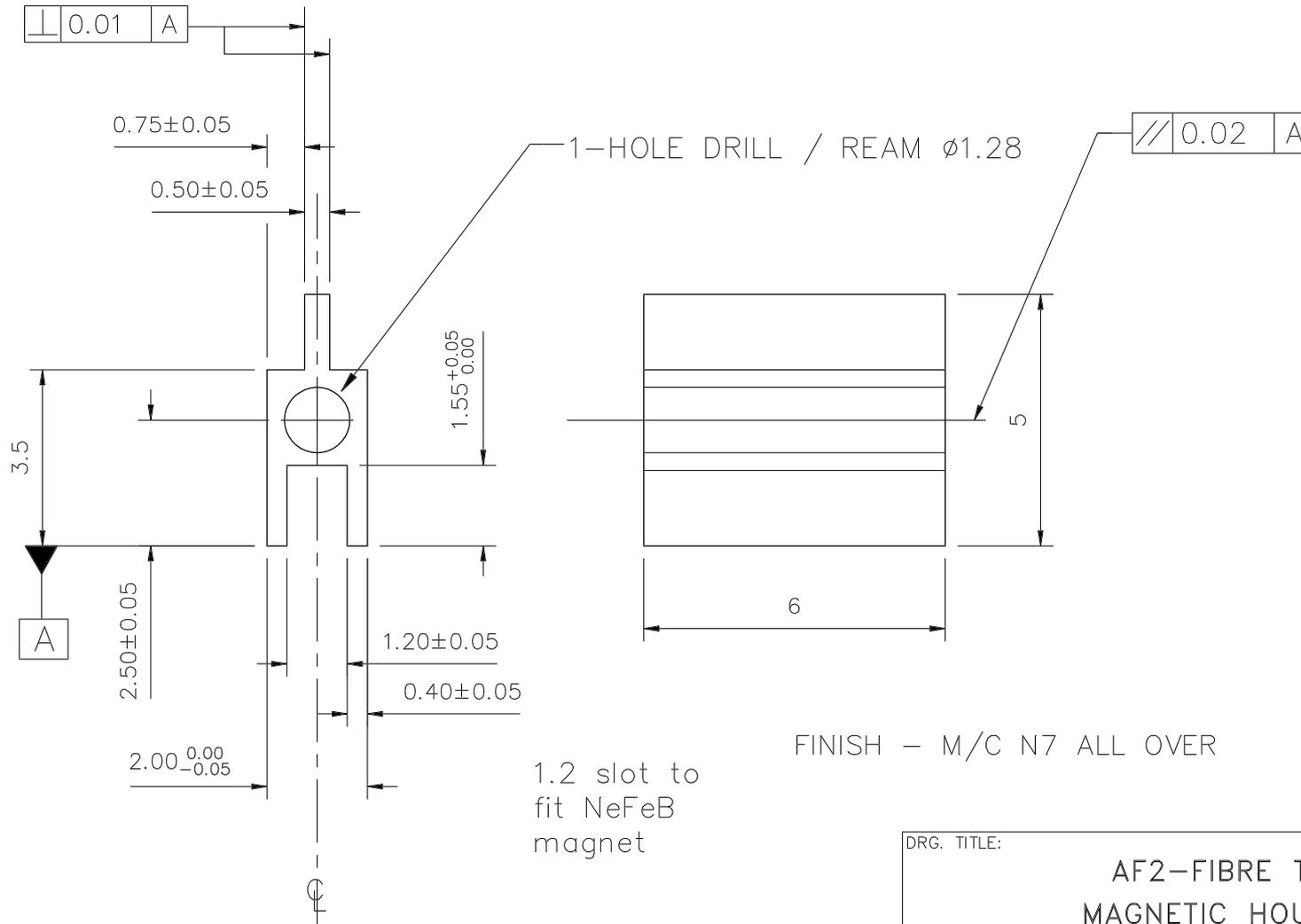
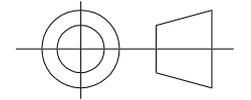
FINISH – MACHINE N8 ALL OVER

DRG. TITLE:		SPACER	
SCALES:	4:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DHI 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP	DRG. SIZE
DRAWN BY:	G.D		A3
DATE	10/02/92	DRAWING No.	REV.
		AF2\FM-22	A

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED			
IMPLIED TOLERANCES		Material:	
	X (OVER 100) ±0.20	AL ALLOY	
	X (UP TO 100) ±0.1	Quantity: 10 OFF	
	X.X ±0.10		
	X.XX ±0.05		
ISSUE	REVISION	DRN	DATE

DO NOT SCALE

THIRD ANGLE PROJECTION



1.2 slot to fit NeFeB magnet

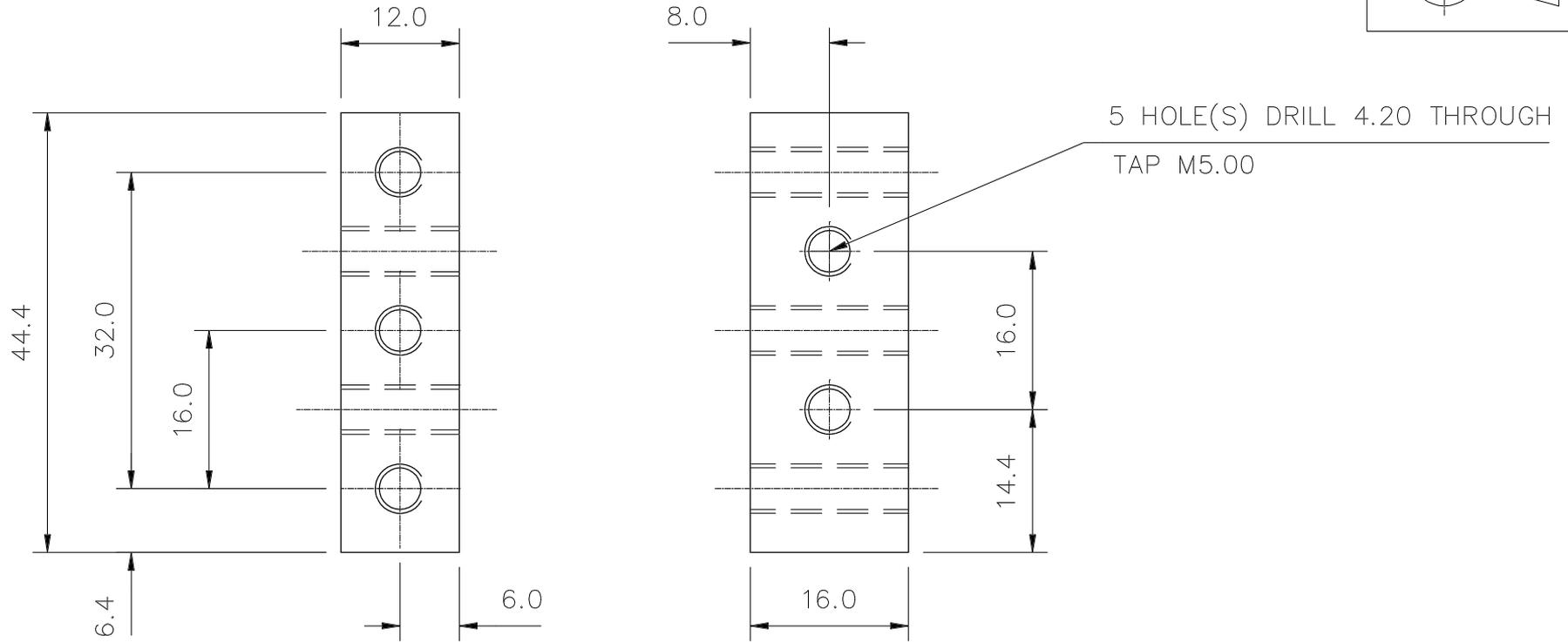
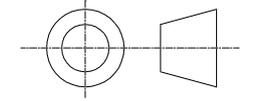
FINISH - M/C N7 ALL OVER

DRG. TITLE:		AF2-FIBRE TIP MAGNETIC HOUSING	
SCALES:	10:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP	DRG. SIZE A3
DRAWN BY:	G.D		
DATE	13/10/92	DRAWING No.	AF2\FM-21
			REV. D

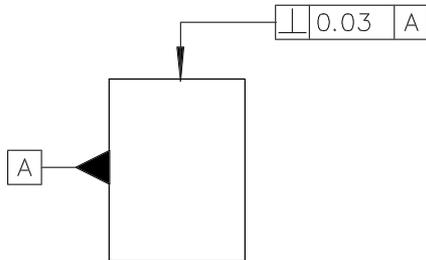
D	MAT. WAS MAG. ST STEEL 416S37	GD	18.5.93	ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED	
C	1.55 DIMENSION WAS 1.6	GD	14.5.93	IMPLIED TOLERANCES	Material: MILD STEEL Quantity: 400 OFF
B	HOLE ALTERED TO $\phi 1.28$ & GEOMETRIC TOLERANCE ADDED	GD	1.4.93	X (OVER 100) ± 0.20 X (UP TO 100) ± 0.1 X.X ± 0.10 X.XX ± 0.05	
	REVISION	DRN	DATE		
ISSUE					

DO NOT SCALE

THIRD ANGLE PROJECTION



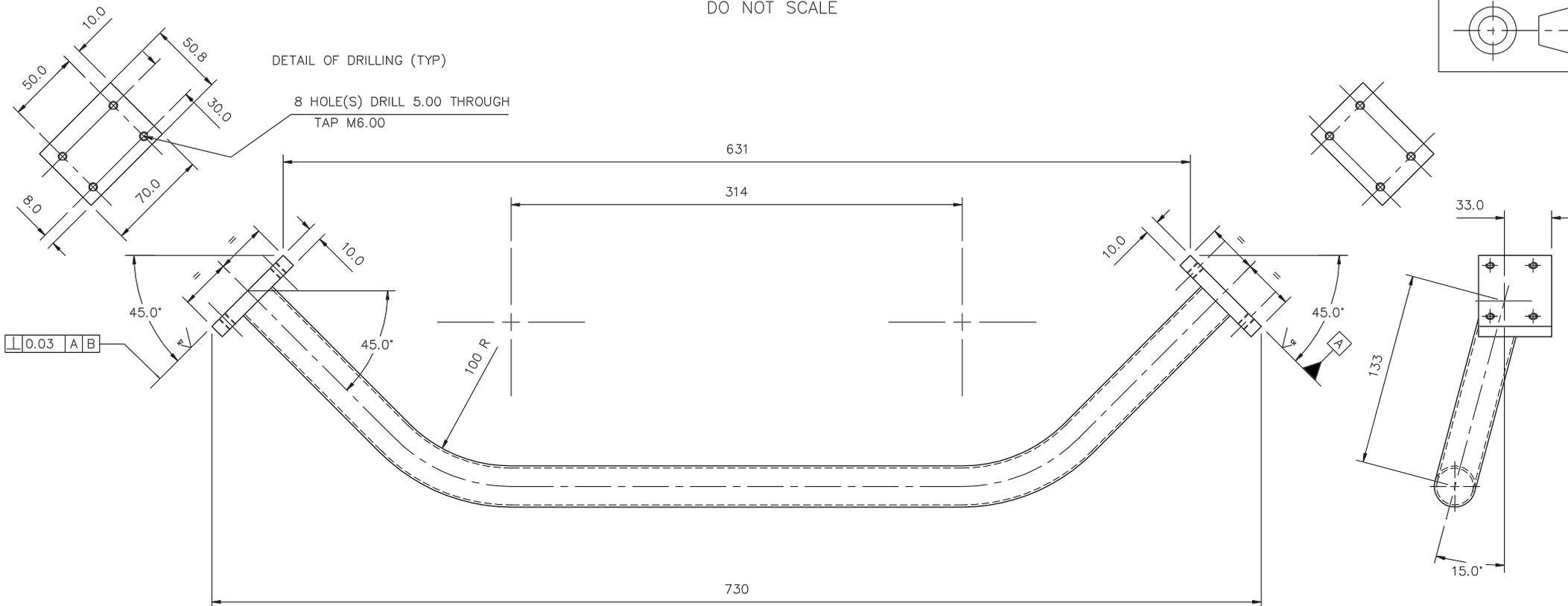
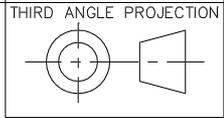
FINISH - MACHINE N7 ALL OVER



DRG. TITLE:		BLOCK	
SCALES:	2:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP	DRG. SIZE
DRAWN BY:	G.D		A3
DATE	6/02/91	DRAWING No.	REV.
		AF2\FM-18	A

ISSUE	REVISION	DRN	DATE	ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED	Material:
				IMPLIED TOLERANCES	AL ALLOY
				X (OVER 100) ±0.20	Quantity: 4 OFF
				X (UP TO 100) ±0.1	
				X.X ±0.10	
				X.XX ±0.05	

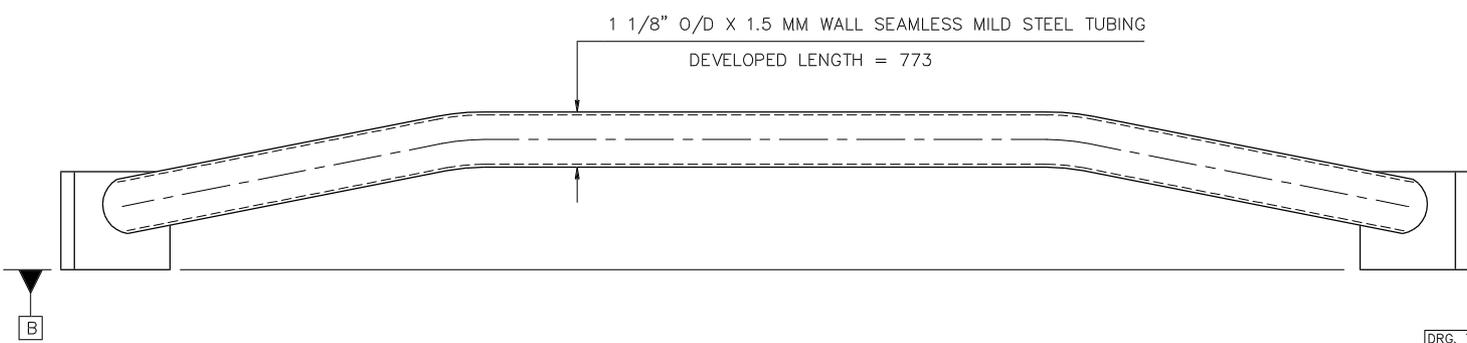
DO NOT SCALE



0.03 A B

DETAIL OF DRILLING (TYP)
8 HOLE(S) DRILL 5.00 THROUGH
TAP M6.00

1 1/8" O/D X 1.5 MM WALL SEAMLESS MILD STEEL TUBING
DEVELOPED LENGTH = 773



NOTE - ALL WELDS TO BE 3 MM CONTINUOUS FILLET, DRESSED AND GROUND SMOOTH. REMOVE ALL SHARP CORNERS. LIFTING HANDLES TO BE STRESS RELIEVED BEFORE FINAL MACHINING

DRG. TITLE:		LIFTING HANDLES	
SCALES:	1:2	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP.	
DRAWN BY:	G.D	DRAWING No.	A2
DATE	6/02/92	AF2\FM-17	REV. A

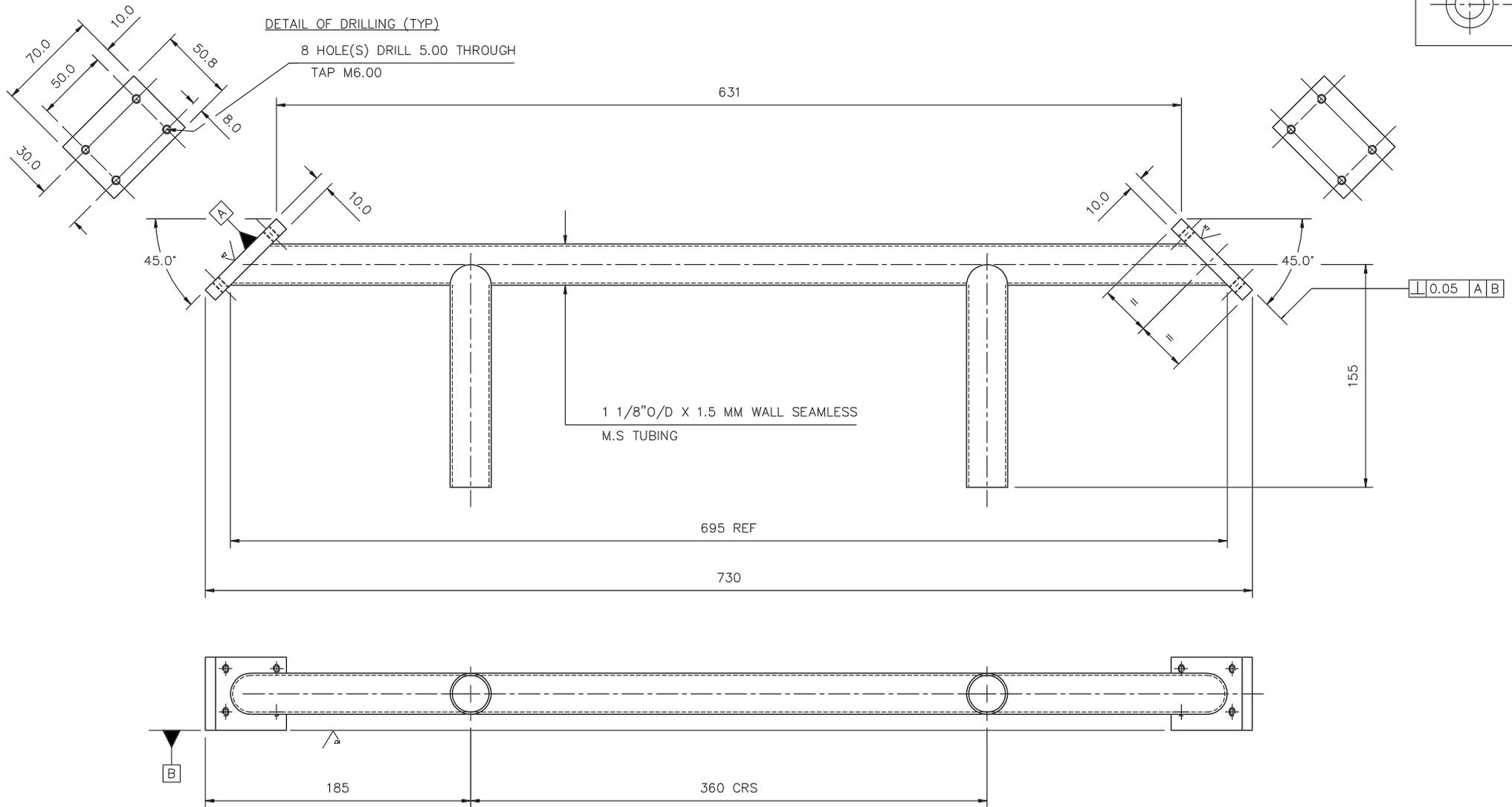
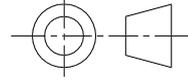
ISSUE	REVISION	DRN	DATE	ISSUE	REVISION	DRN	DATE

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED
IMPLIED TOLERANCES
X (OVER 100) ±0.20
X (UP TO 100) ±0.1
X.X ±0.10
X.XX ±0.05

Material:
MILD STEEL
Quantity: 2 OFF

DO NOT SCALE

THIRD ANGLE PROJECTION



NOTE - ALL WELDS TO BE 3 MM CONTINUOUS FILLET, DRESSED & GROUND SMOOTH
BRACE TO BE STRESS RELIEVED BEFORE FINAL MACHINING

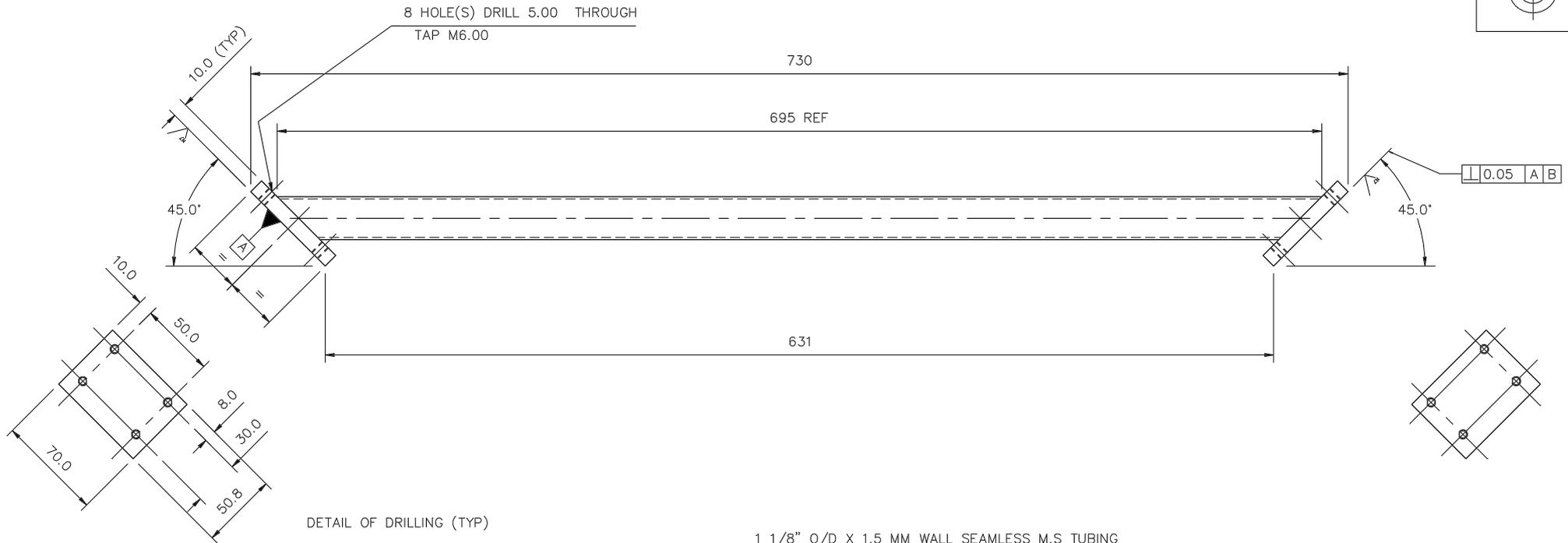
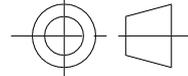
DRG. TITLE:		BRACE (BOTTOM)	
SCALES:		1:2	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCES LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108
DRG. TYPE:		PARTS	
DRAWN BY:		G.D.	
DATE:		3/02/92	
		DRAWING No.	
		FM-16	
		REV. A	

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED									
IMPLIED TOLERANCES									
X (OVER 100) ±0.20									
X (UP TO 100) ±0.1									
X.X ±0.10									
X.XX ±0.05									
Material: MILD STEEL									
Quantity: 1 OFF									
ISSUE	REVISION	DRN	DATE	ISSUE	REVISION	DRN	DATE		

DRG. SIZE
A2

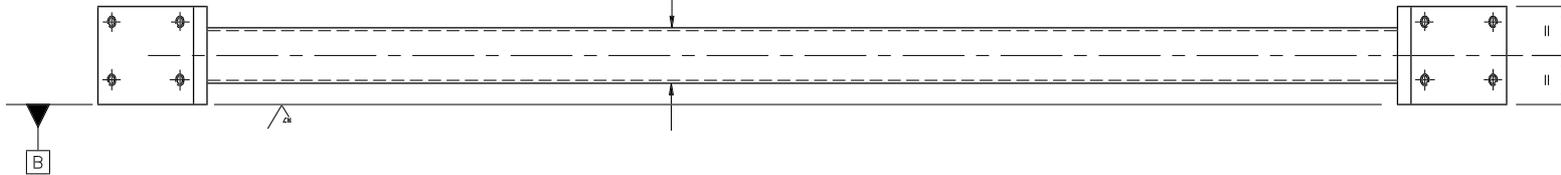
DO NOT SCALE

THIRD ANGLE PROJECTION



DETAIL OF DRILLING (TYP)

1 1/8" O/D X 1.5 MM WALL SEAMLESS M.S TUBING



NOTE - ALL WELDS TO BE 3 MM CONTINUOUS FILLET ,
DRESSED AND GROUND SMOOTH
BRACE TO BE STRESS RELIEVED BEFORE FINAL
MACHINING

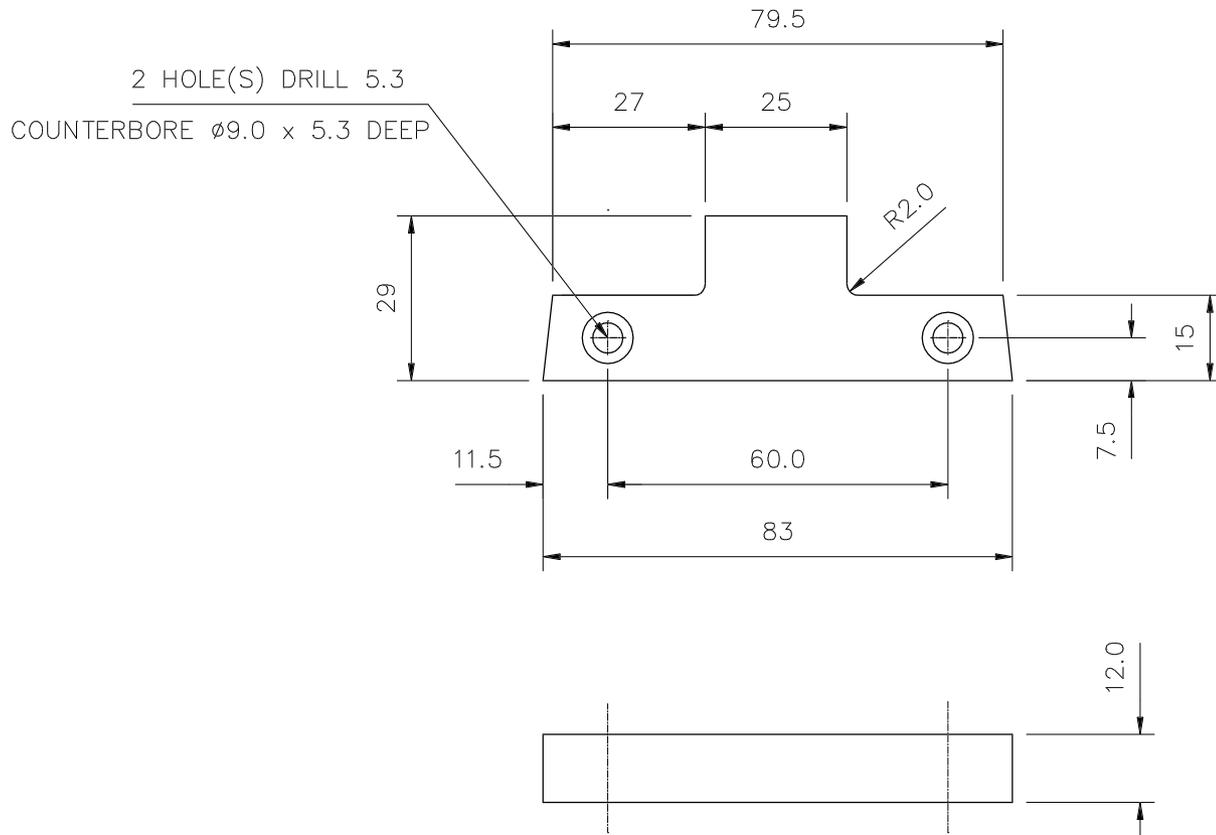
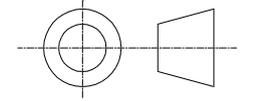
DRG. TITLE:		BRACE (TOP)	
SCALES:	1:2	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP.	
DRAWN BY:	G.D	DRG. SIZE:	A2
DATE:	3/02/92	DRAWING No.:	FM-15
		REV.:	A

ISSUE	REVISION	DRN	DATE	ISSUE	REVISION	DRN	DATE

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED	
IMPLIED TOLERANCES	Material:
X (OVER 100) ±0.20	MILD STEEL
X (UP TO 100) ±0.1	
X.X ±0.10	
X.XX ±0.05	
Quantity: 1 OFF	

DO NOT SCALE

THIRD ANGLE PROJECTION



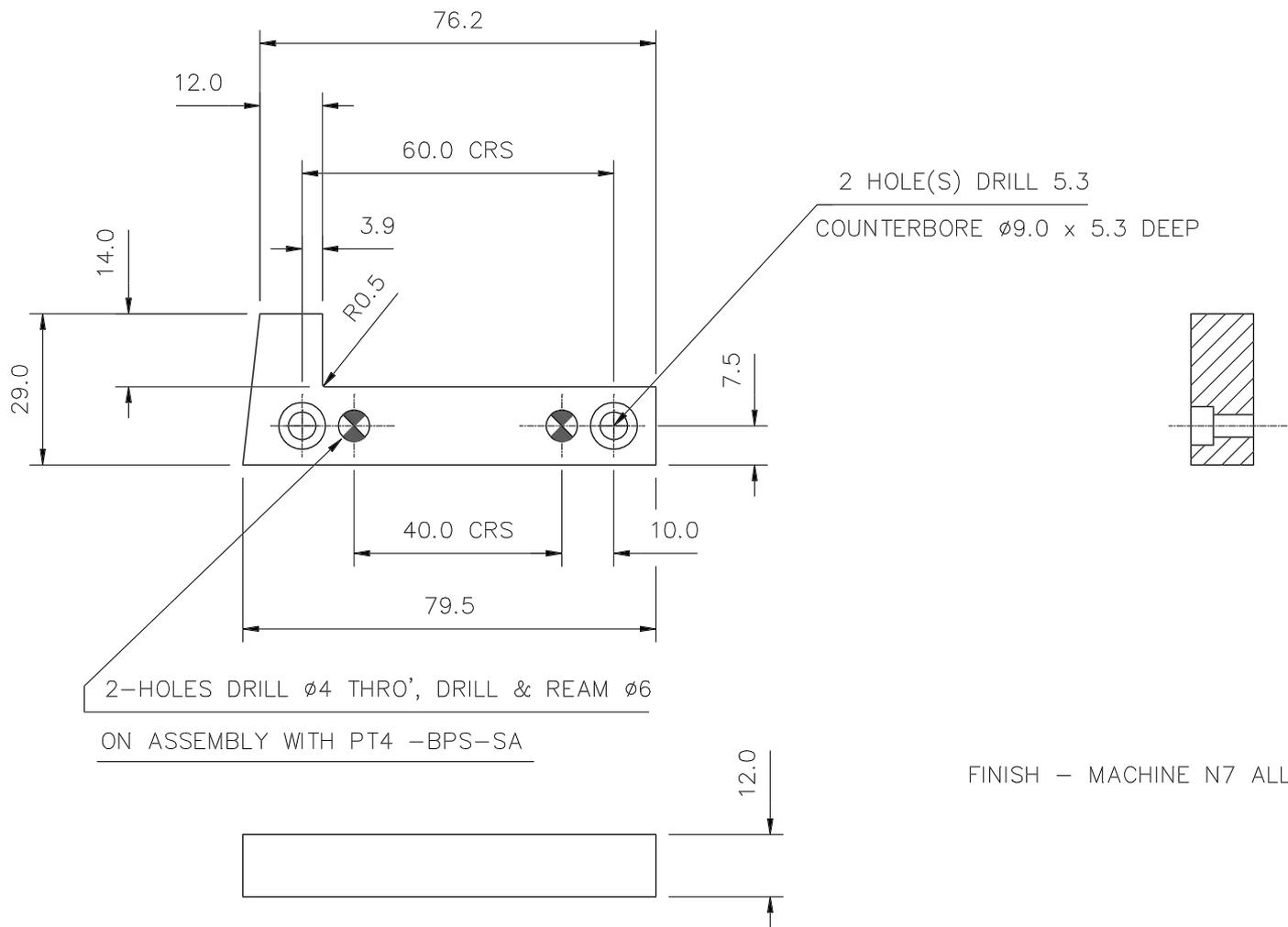
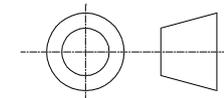
FINISH - MACHINE N7 ALL OVER

DRG. TITLE:		FOOLPROOFING PLATE	
SCALES:		1:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108
DRG. TYPE:		PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP
DRAWN BY:		G.D	
DATE:		6/02/92	DRG. SIZE A3
			DRAWING No. AF2\FM-14
			REV. A

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED			
IMPLIED TOLERANCES			
X (OVER 100) ±0.20			
X (UP TO 100) ±0.1			
X.X ±0.10			
X.XX ±0.05			
Material:		AL ALLOY	
Quantity:		2 OFF	
ISSUE	REVISION	DRN	DATE

DO NOT SCALE

THIRD ANGLE PROJECTION

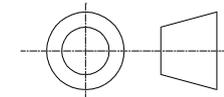


DRG. TITLE:		SIDE STOP (LH)	
SCALES:		1:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108
DRG. TYPE:		PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP
DRAWN BY:		G.D	
DATE:		3/02/92	DRAWING No.
		AF2\FM-13	REV. A

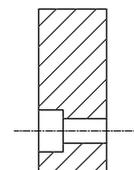
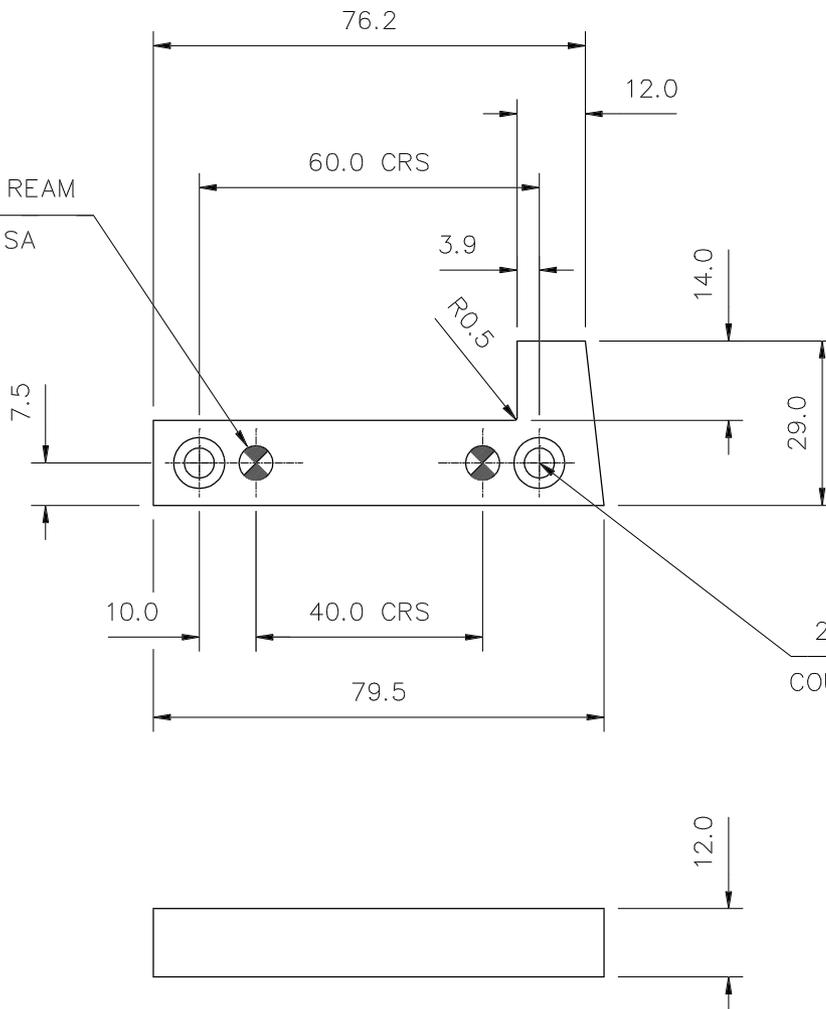
ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED			
IMPLIED TOLERANCES			
X (OVER 100) ± 0.20			
X (UP TO 100) ± 0.1			
X.X ± 0.10			
X.XX ± 0.05			
Material:		AL ALLOY	
Quantity:		1 OFF	
ISSUE	REVISION	DRN	DATE

DO NOT SCALE

THIRD ANGLE PROJECTION



2-HOLES DRILL $\phi 4$ THRO, DRILL & REAM
 $\phi 6$ ON ASSEMBLY WITH PT4-BPS-SA



2 HOLE(S) DRILL 5.3
 COUNTERBORE $\phi 9.0 \times 5.3$ DEEP

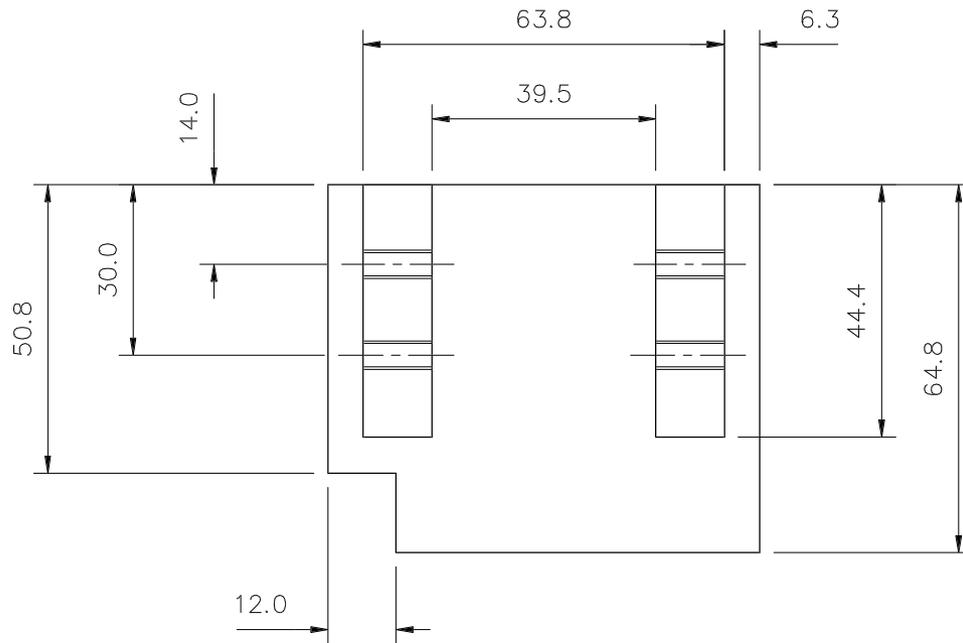
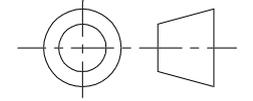
FINISH - MACHINE N7 ALL OVER

DRG. TITLE:		SIDE STOP (RH)	
SCALES:	1:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DHI 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP	DRG. SIZE A3
DRAWN BY:	G.D		
DATE	3/02/92	DRAWING No.	REV. A
		AF2\FM-12	

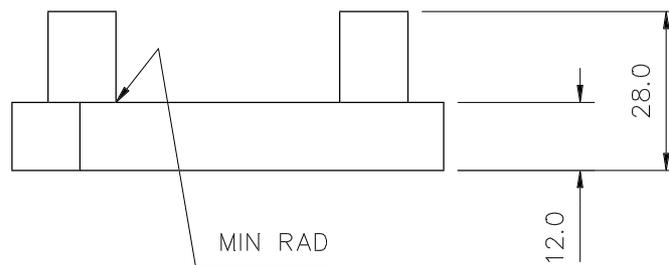
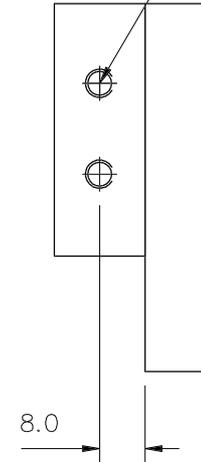
ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED			
IMPLIED TOLERANCES		Material:	
	X (OVER 100) ± 0.20	AL ALLOY	
	X (UP TO 100) ± 0.1	Quantity: 1 OFF	
	X.X ± 0.10		
	X.XX ± 0.05		
ISSUE	REVISION	DRN	DATE

DO NOT SCALE

THIRD ANGLE PROJECTION



4 HOLE(S) DRILL 4.20 THROUGH
TAP M5.00



FINISH - MACHINE N7 ALL OVER

DRG. TITLE:		LOCATION PLATE (RH)	
SCALES:	1:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP	DRG. SIZE A3
DRAWN BY:	G.D		
DATE	3/02/92	DRAWING No. AF2\FM-10	
ISSUE	REVISION	REV.	B

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED

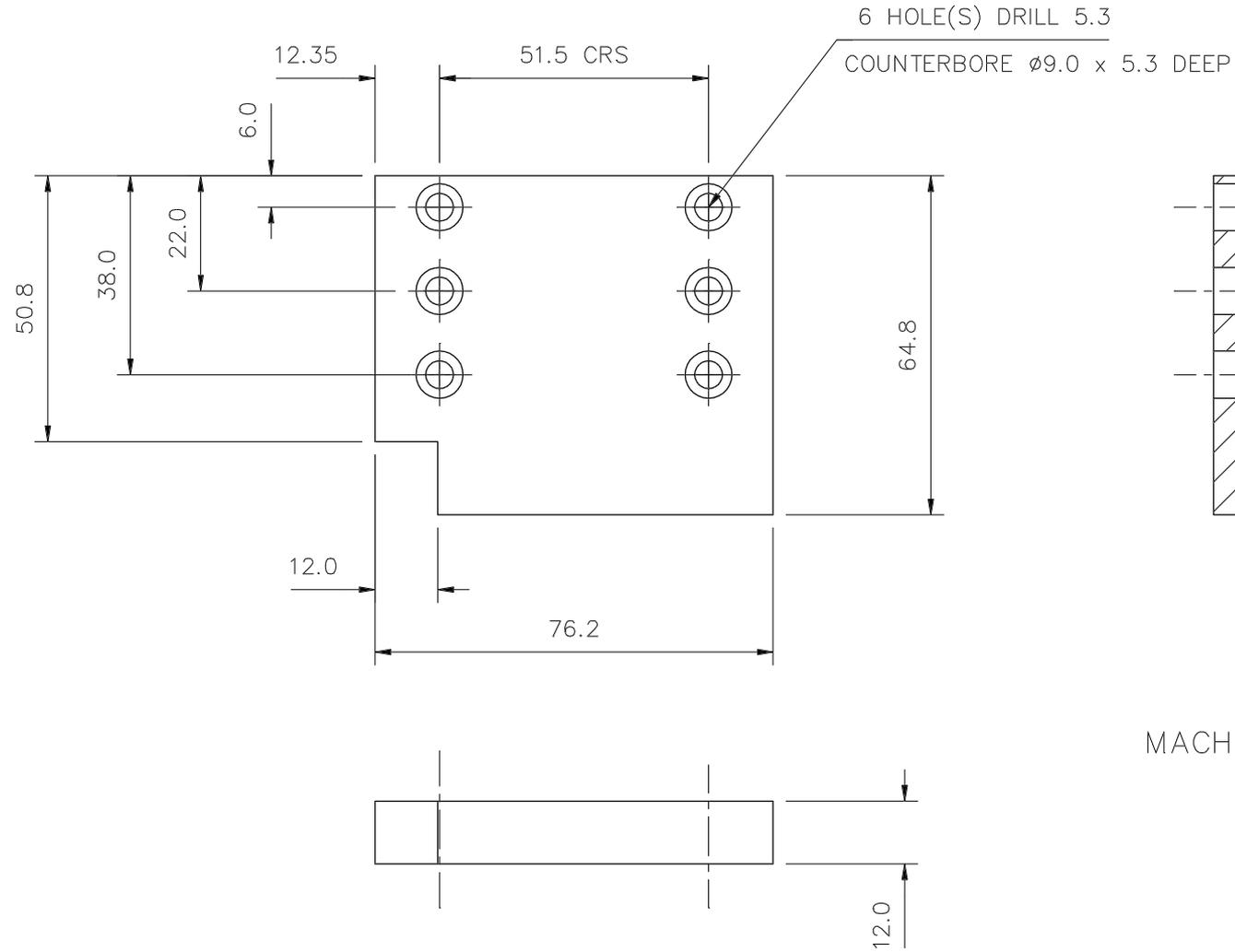
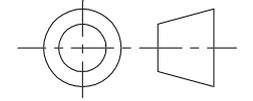
IMPLIED TOLERANCES
X (OVER 100) ±0.20
X (UP TO 100) ±0.1
X.X ±0.10
X.XX ±0.05

Material:
AL ALLOY
Quantity: 1 OFF

B	REDESIGNED	GD	30/7/92
ISSUE	REVISION	DRN	DATE

DO NOT SCALE

THIRD ANGLE PROJECTION

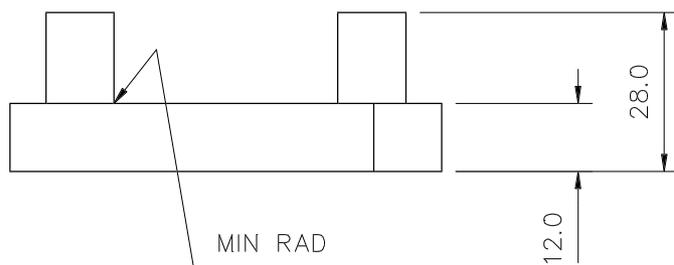
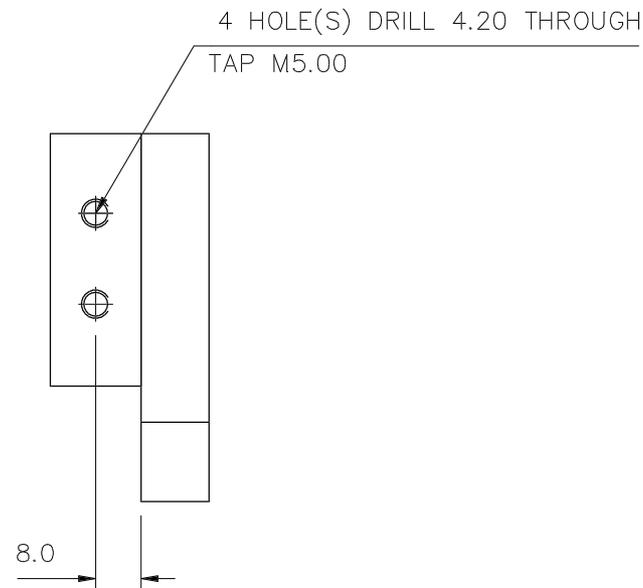
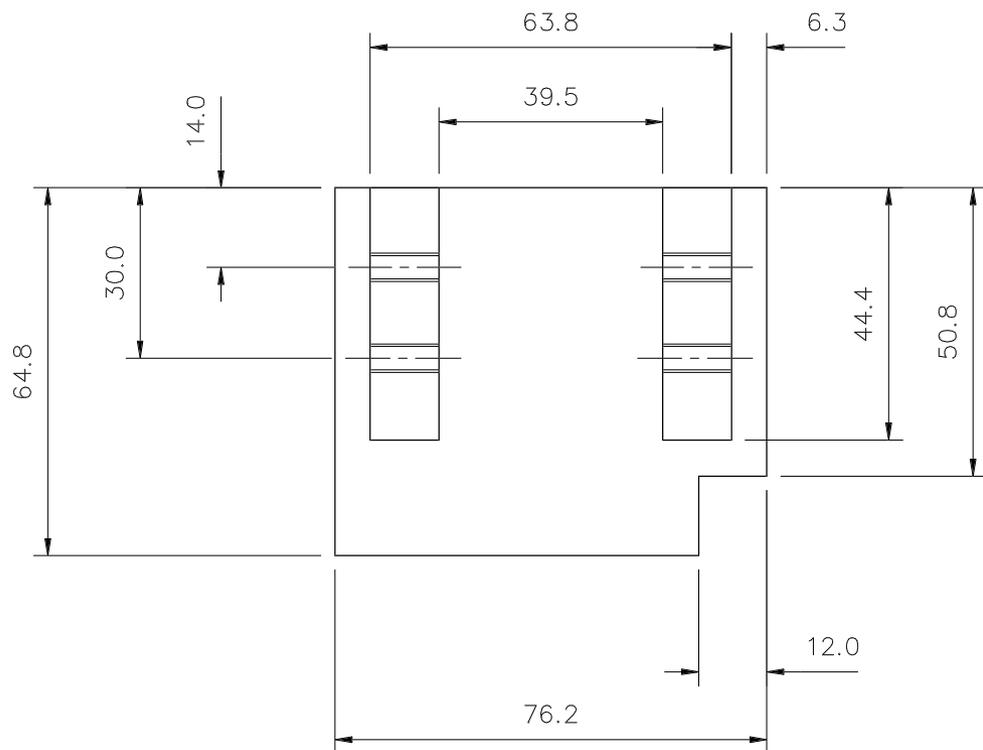
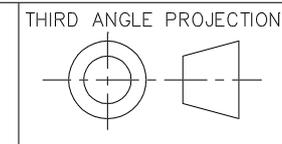


MACHINE N7 ALL OVER

DRG. TITLE:		LOCATION PLATE (LH)	
SCALES:	1:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP	DRG. SIZE A3
DRAWN BY:	G.D		DRAWING No.
DATE	3/02/92	AF2\FM-11	REV. A

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED			
IMPLIED TOLERANCES		Material:	
X (OVER 100) ± 0.20		AL ALLOY	
X (UP TO 100) ± 0.1		Quantity: 1 OFF	
X.X ± 0.10			
X.XX ± 0.05			
ISSUE	REVISION	DRN	DATE

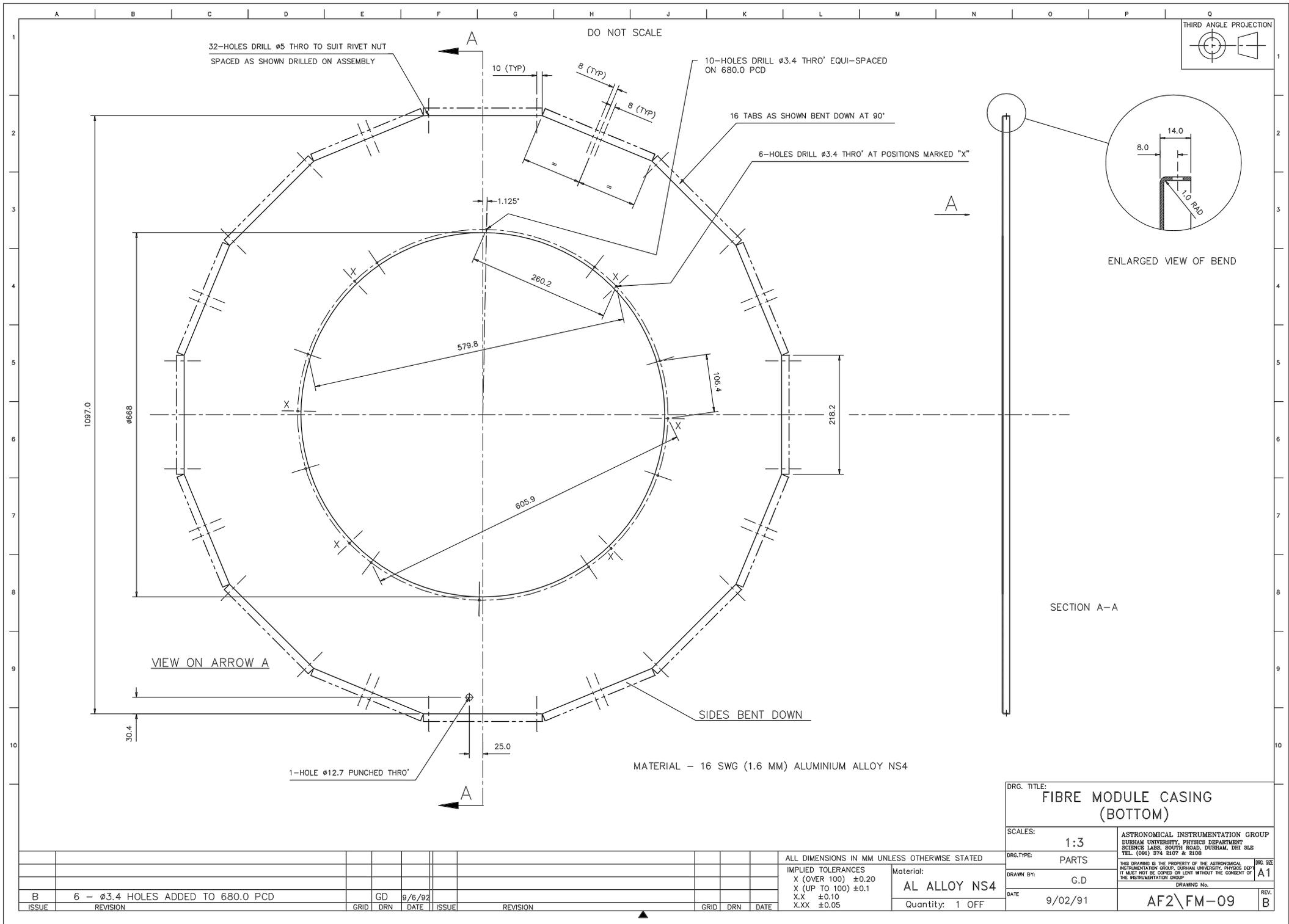
DO NOT SCALE



FINISH - MACHINE N7 ALL OVER

DRG. TITLE:		LOCATION PLATE (RH)	
SCALES:	1:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP	DRG. SIZE A3
DRAWN BY:	G.D		
DATE	3/02/92	DRAWING No. AF2\FM-10	
Quantity: 1 OFF			REV. B

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED			
IMPLIED TOLERANCES		Material:	
X (OVER 100) ±0.20		AL ALLOY	
X (UP TO 100) ±0.1		Quantity: 1 OFF	
X.X ±0.10			
X.XX ±0.05			
B	REDESIGNED	GD	30/7/92
ISSUE	REVISION	DRN	DATE



DRG. TITLE:
**FIBRE MODULE CASING
(BOTTOM)**

SCALES:
1:3

DRG. TYPE: PARTS

DRAWN BY: G.D

DATE: 9/02/91

ASTRONOMICAL INSTRUMENTATION GROUP
DURHAM UNIVERSITY, PHYSICS DEPARTMENT
SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 1TA
TEL: (0191) 574 5107 & 5108

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DRAWING No. AF2\FM-09

REV. A1

REV. B

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED

IMPLIED TOLERANCES

X (OVER 100) ± 0.20

X (UP TO 100) ± 0.1

X.X ± 0.10

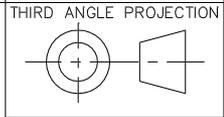
X.XX ± 0.05

Material: AL ALLOY NS4

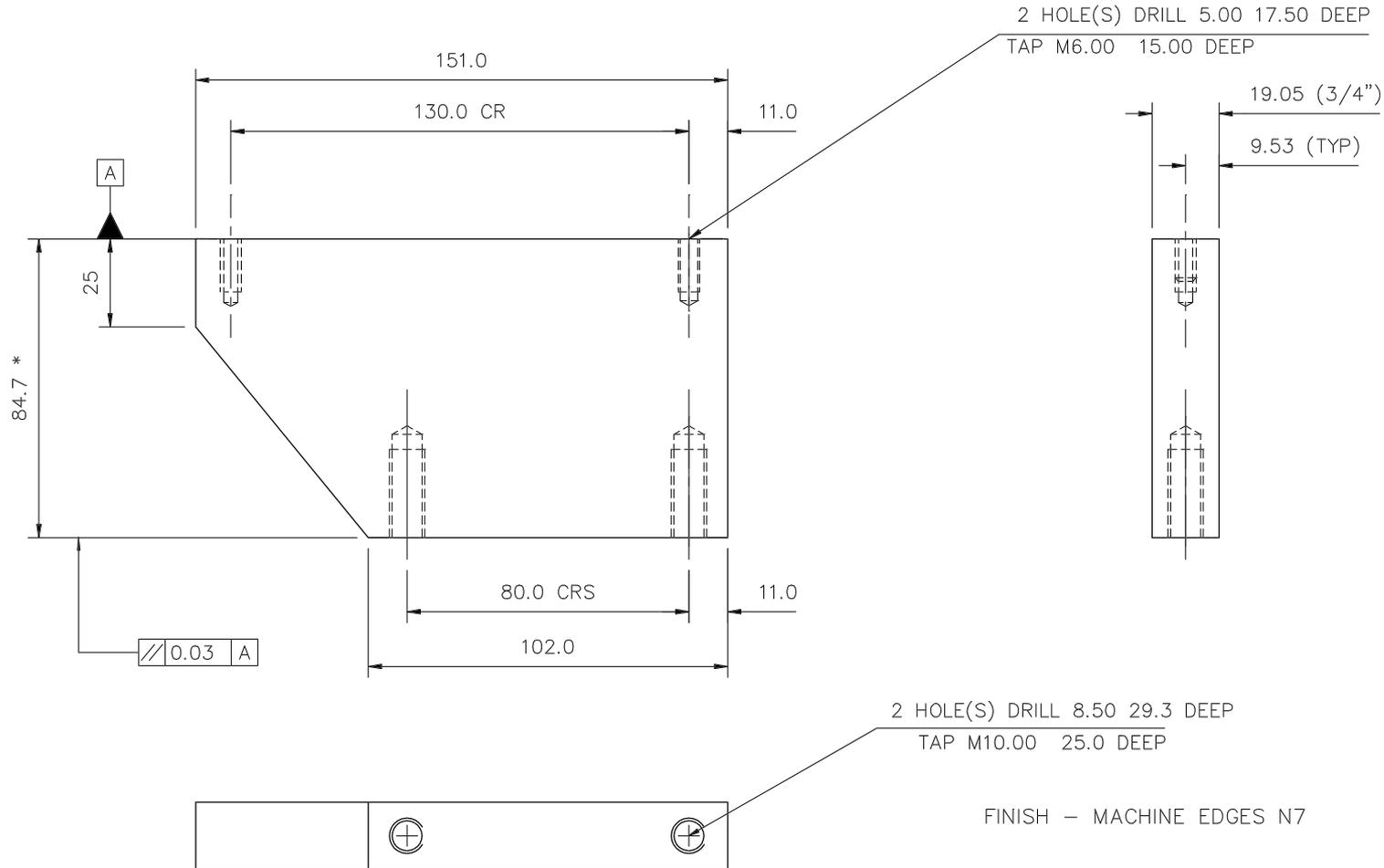
Quantity: 1 OFF

ISSUE	REVISION	GRID	DRN	DATE	ISSUE	REVISION	GRID	DRN	DATE
B	6 - $\phi 3.4$ HOLES ADDED TO 680.0 PCD		GD	9/6/92					

DO NOT SCALE



* MACHINE 4 BLOCKS TOGETHER TO ENSURE THIS DIMENSION IS COMMON



DRG. TITLE:		FRAME SUPPORT	
SCALES:	1:1	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 3LE TEL. (091) 374 2107 & 2108	
DRG. TYPE:	PARTS	THIS DRAWING IS THE PROPERTY OF THE ASTRONOMICAL INSTRUMENTATION GROUP, DURHAM UNIVERSITY, PHYSICS DEPT. IT MUST NOT BE COPIED OR LENT WITHOUT THE CONSENT OF THE INSTRUMENTATION GROUP.	
DRAWN BY:	G.D	DRG. SIZE:	A2
DATE:	31/01/92	DRAWING No.:	AF2\FM-06
Quantity:	4 OFF	REV.:	A

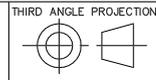
ISSUE	REVISION	DRN	DATE	ISSUE	REVISION	DRN	DATE

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED

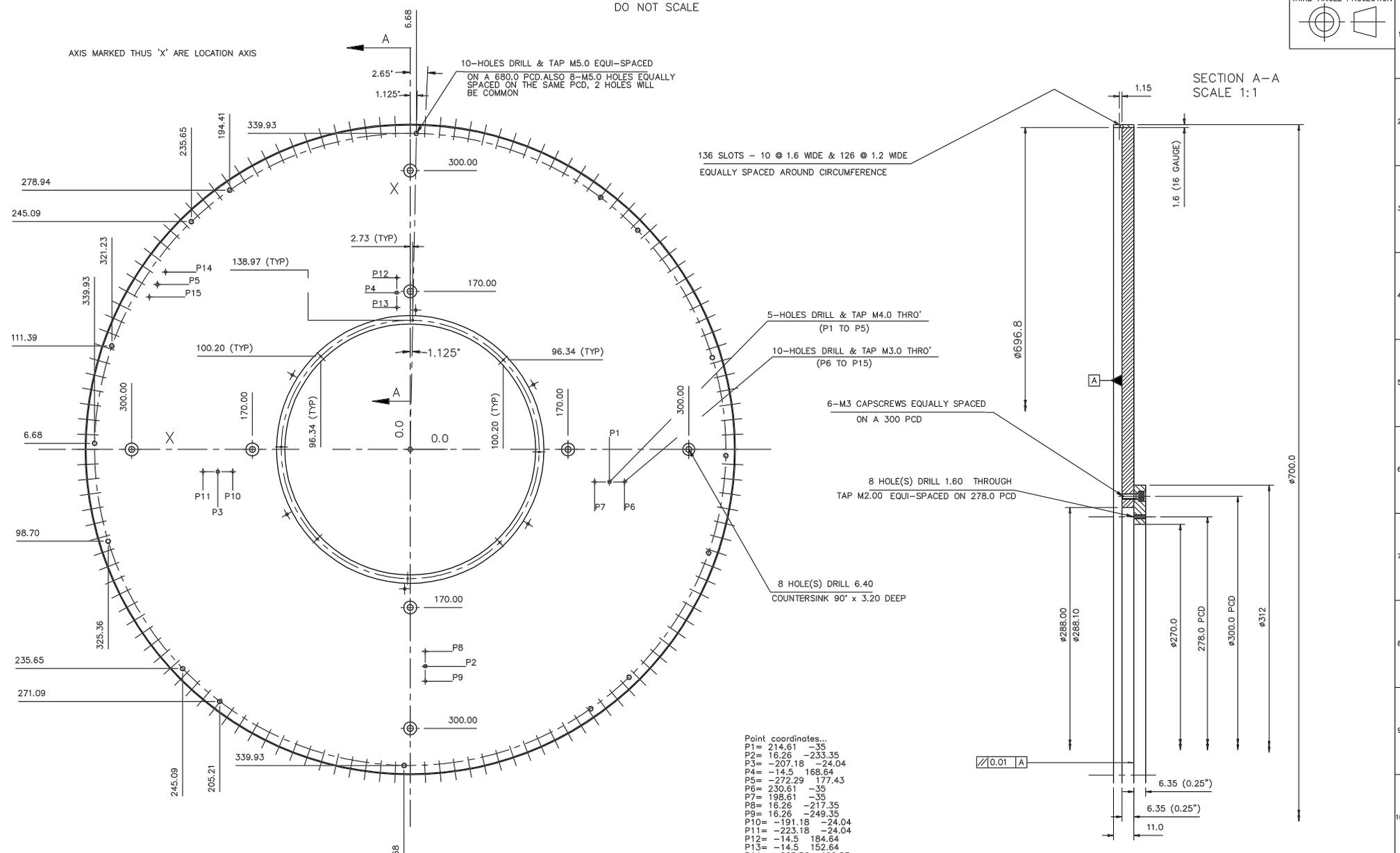
IMPLIED TOLERANCES
 X (OVER 100) ±0.20
 X (UP TO 100) ±0.1
 X.X ±0.10
 X.XX ±0.05

Material:
AL TOOL PLATE
 Quantity: 4 OFF

DO NOT SCALE



SECTION A-A
SCALE 1:1



136 SLOTS - 10 @ 1.6 WIDE & 126 @ 1.2 WIDE
EQUALLY SPACED AROUND CIRCUMFERENCE

5-HOLES DRILL & TAP M4.0 THRO'
(P1 TO P5)
10-HOLES DRILL & TAP M3.0 THRO'
(P6 TO P15)

6-M3 CAPSCREWS EQUALLY SPACED
ON A 300 PCD

8 HOLE(S) DRILL 1.60 THROUGH
TAP M2.00 EQUI-SPACED ON 278.0 PCD

8 HOLE(S) DRILL 6.40
COUNTERSINK 90° x 3.20 DEEP

Point coordinates...
P1= 214.61 -35
P2= 16.26 -233.35
P3= -207.18 -24.04
P4= -14.5 168.64
P5= -272.29 177.43
P6= 230.61 -35
P7= 198.61 -35
P8= 16.26 -217.35
P9= 16.26 -249.35
P10= -191.18 -24.04
P11= -223.18 -24.04
P12= -14.5 184.64
P13= -14.5 152.64
P14= -263.56 190.83
P15= -281.03 164.02

0.01 A

DRG. TITLE:
**FIELD PLATE CARRIER
(136 SLOTS)**

SCALES:
1:2

DRG. TYPE: PARTS
DRAWN BY: G.D

DATE: 7/1/92

ASTRONOMICAL INSTRUMENTATION GROUP
DURHAM UNIVERSITY, PHYSICS DEPARTMENT
SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 1TA
TEL: (091) 574 8107 & 8108

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DRAWING No. **AF2\FM-05B**

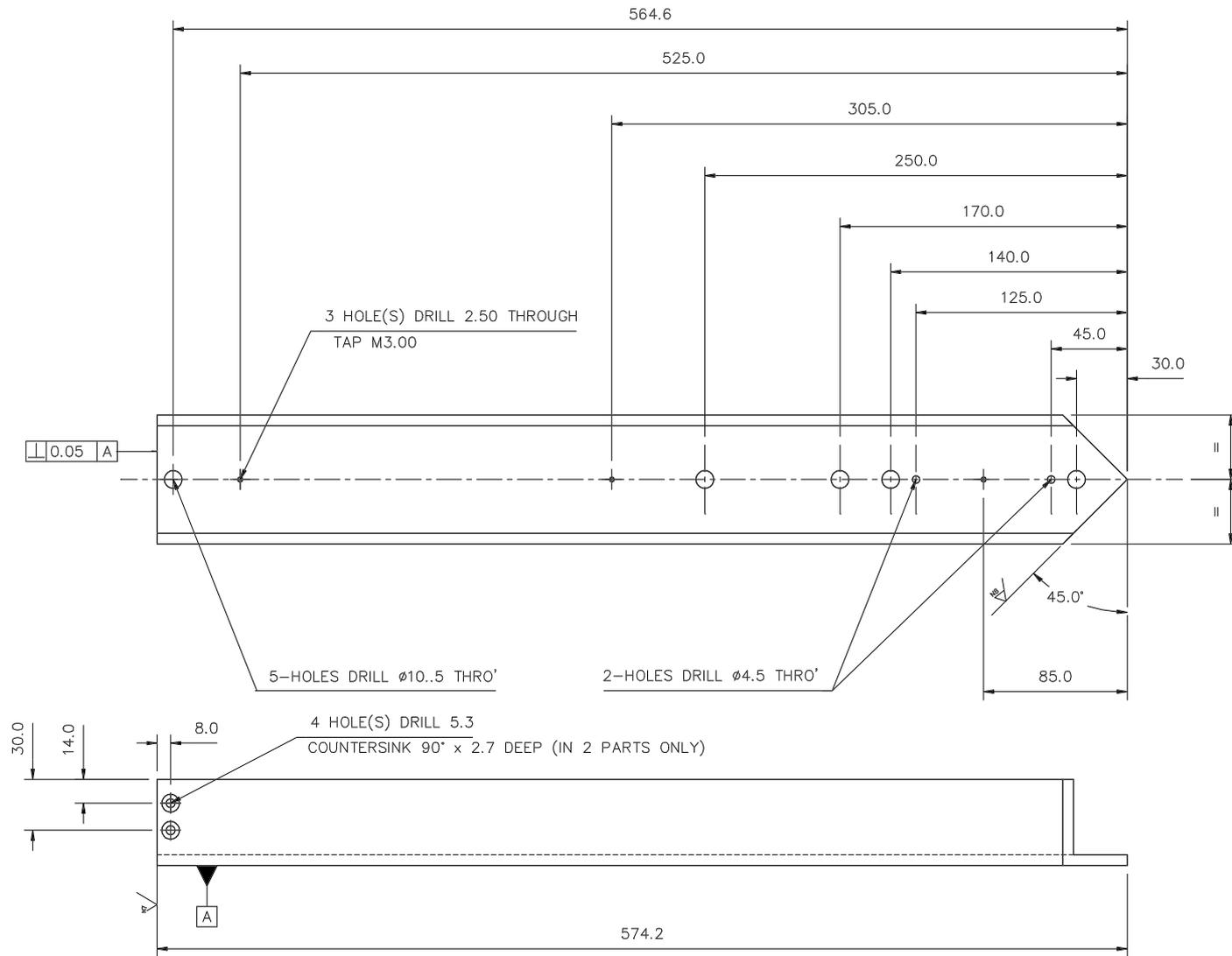
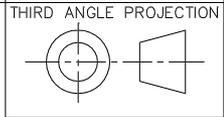
ISSUE	REVISION	GRID	DRN	DATE	ISSUE	REVISION	GRID	DRN	DATE
B	5-M4 HOLES, AND 10-M3 HOLES ADDED		GD	4/5/94					

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED
IMPLIED TOLERANCES
X (OVER 100) ±0.20
X (UP TO 100) ±0.1
X.X ±0.10
X.XX ±0.05

Material: **AL TOOL PLATE**
Quantity: 1 OFF

REV. **A1**

DO NOT SCALE



0.05
0.05

ALLUMINIUM ALLOY SECTION BS1474 HE30TF
3" X 2" CHANNEL 1/4" THICK

DRG. TITLE:		SUPPORT ARM	
SCALES:	1:2	ASTRONOMICAL INSTRUMENTATION GROUP DURHAM UNIVERSITY, PHYSICS DEPARTMENT SCIENCE LABS, SOUTH ROAD, DURHAM, DH1 1LE TEL. (091) 374 2107 & 2108	
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DRAWN BY:	G.D	DRAWING No.	A2
DATE	17/12/91	AF2\FM-01	REV. A

ISSUE	REVISION	DRN	DATE	ISSUE	REVISION	DRN	DATE

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED
 IMPLIED TOLERANCES
 X (OVER 100) ± 0.20
 X (UP TO 100) ± 0.1
 X.X ± 0.10
 X.XX ± 0.05
 Material:
AL ALLOY
 Quantity: 4 OFF