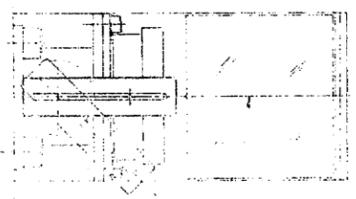
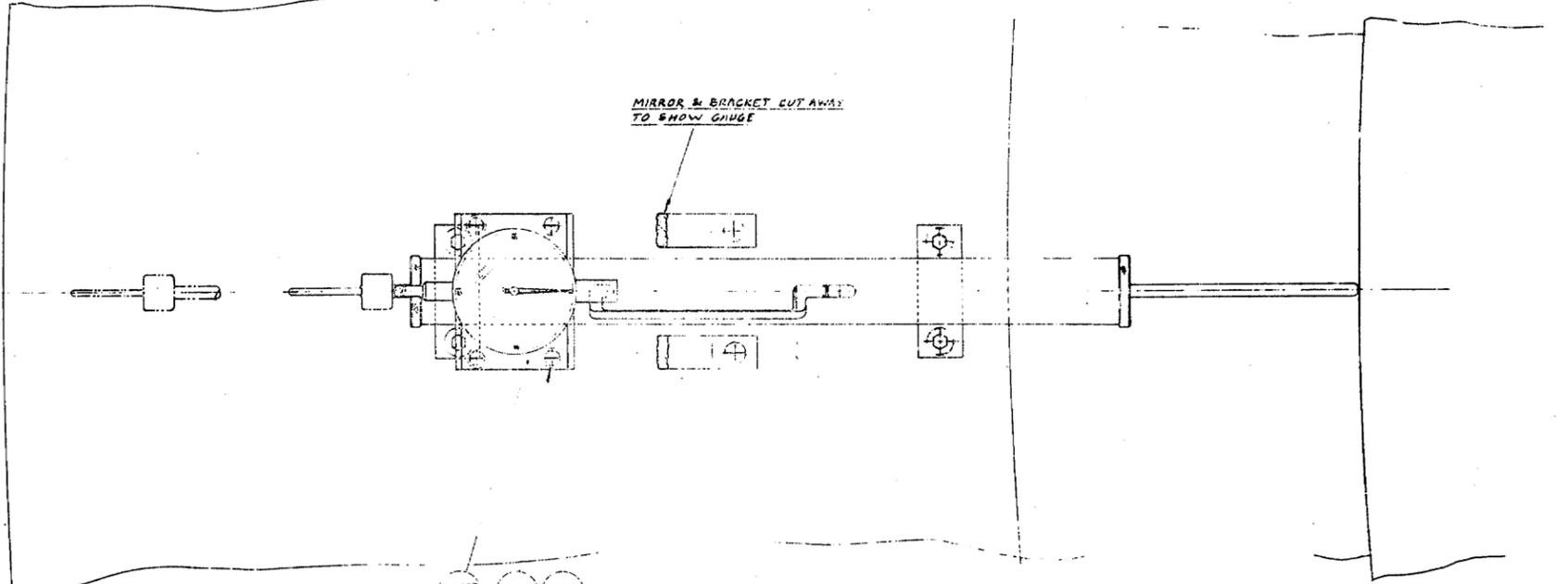




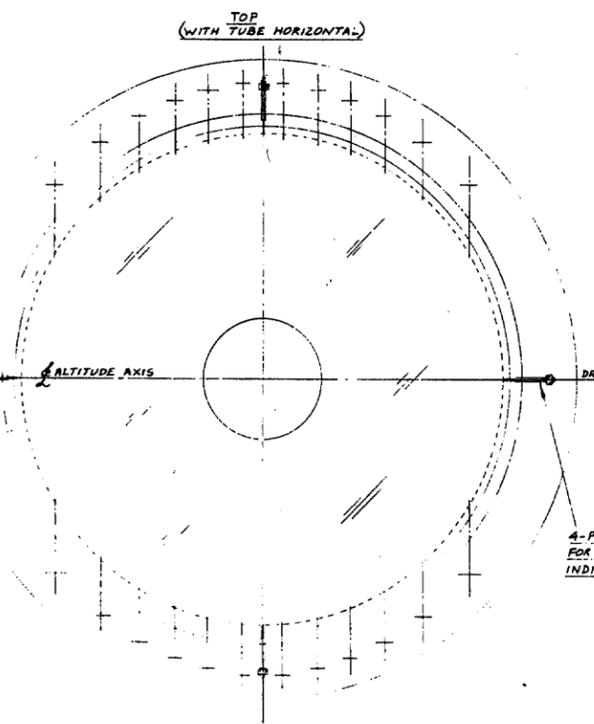
H



TURN HANDLE 45° WHEN WITHDRAWING PLUNGER



MIRROR & BRACKET CUT AWAY TO SHOW GAUGE



TOP (WITH TUBE HORIZONTAL)

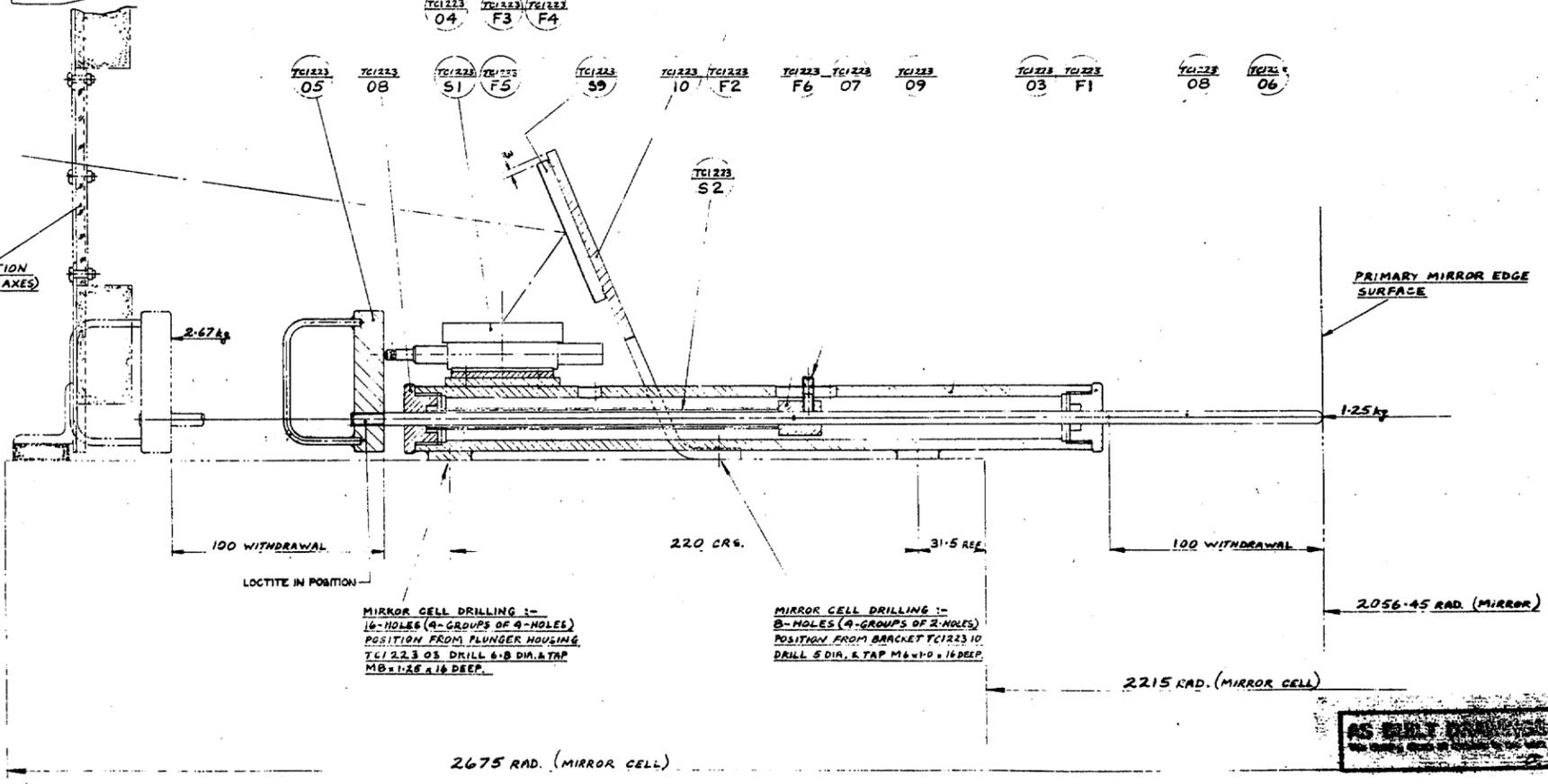
CABLE WRAP SIDE ALTITUDE AXIS DRIVE SIDE

VIEW ON TOP SURFACE OF MIRROR CELL SCALE :- 1 : 20

WINDOW IN VENTILATION DUCT (4-POSITIONS ON AXES)

4-POSITIONS ON AXES FOR RADIAL POSITION INDICATION GAUGES

- TC1223 04
- TC1223 F3
- TC1223 F4
- TC1223 05
- TC1223 08
- TC1223 S1
- TC1223 F5
- TC1223 S9
- TC1223 10
- TC1223 F2
- TC1223 F6
- TC1223 07
- TC1223 09
- TC1223 03
- TC1223 F1
- TC1223 08
- TC1223 06



PRIMARY MIRROR EDGE SURFACE

100 WITHDRAWAL

220 CR6

31.5 REF

100 WITHDRAWAL

1.25 kg

2.056.45 RAD. (MIRROR)

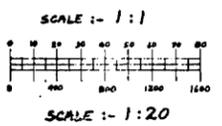
2215 RAD. (MIRROR CELL)

2675 RAD. (MIRROR CELL)

MIRROR CELL DRILLING :-  
16 HOLES (4-GROUPS OF 4-HOLES)  
POSITION FROM PLUNGER HOUSING  
TC1223 03 DRILL 6.8 DIA. & TAP  
M6 x 1.25 x 16 DEEP

MIRROR CELL DRILLING :-  
8 HOLES (4-GROUPS OF 2-HOLES)  
POSITION FROM BRACKET TC1223 10  
DRILL 5 DIA. & TAP M6 x 1.0 x 16 DEEP

LOCTITE IN POSITION



SCALE :- 1 : 1

SCALE :- 1 : 20

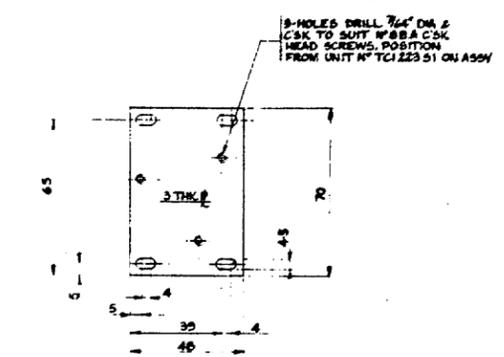
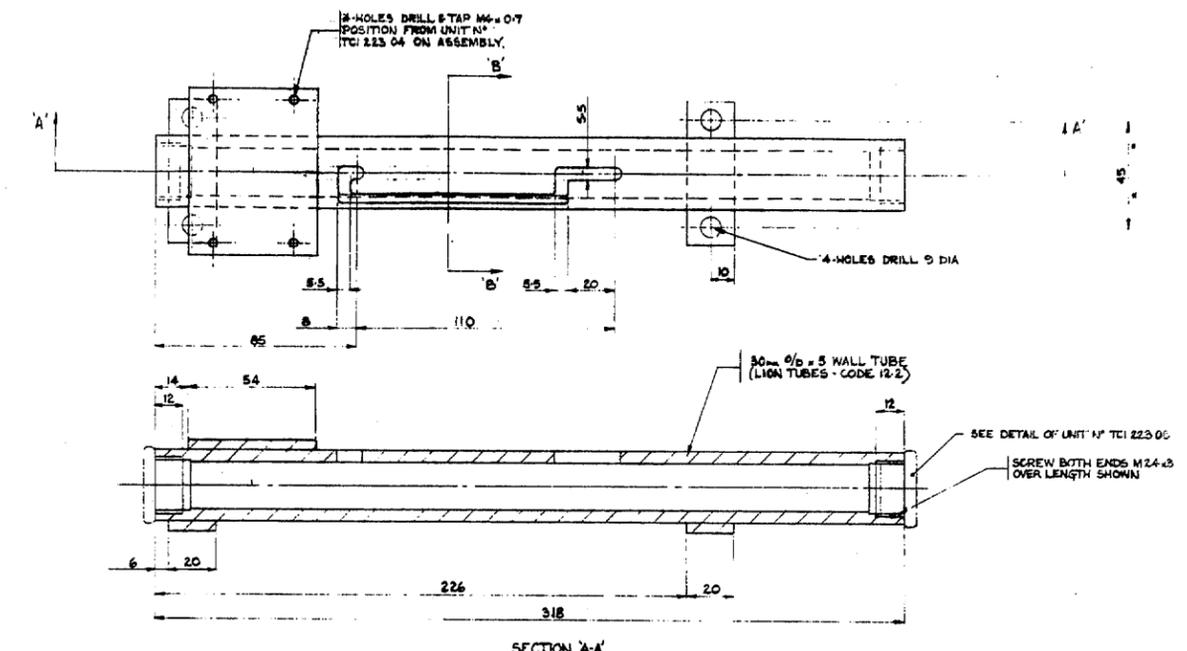
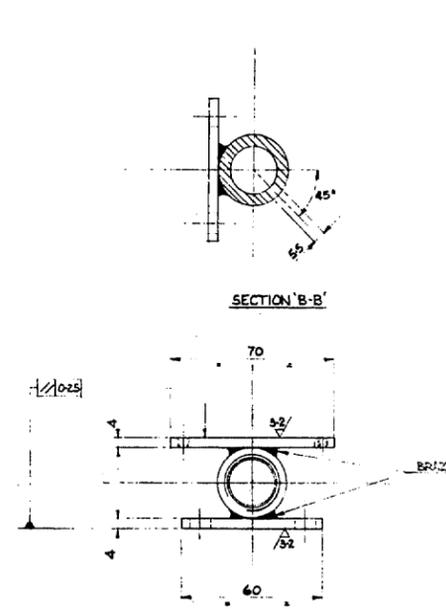
TOTAL WEIGHT :- 37.5 Kg

ASSEMBLY PROCEDURE N° :- TC1 223 AP1



APPROVED  
DATE  
BY

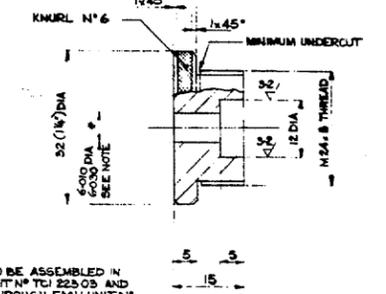
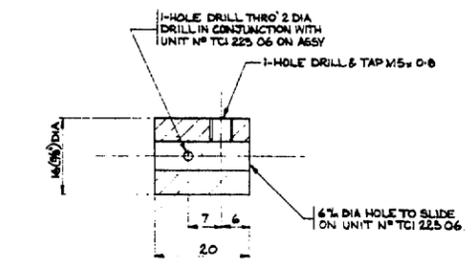
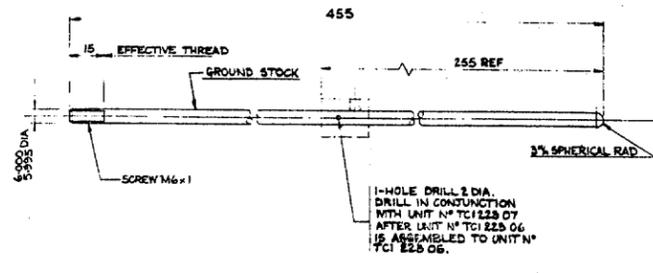
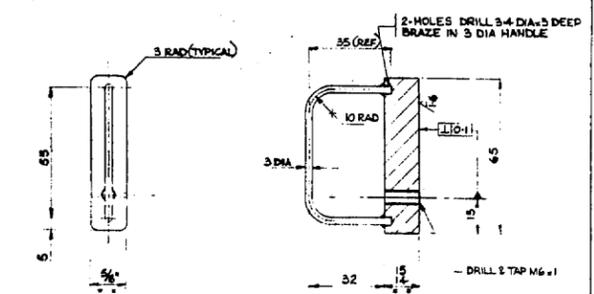
A. Bishop of Clarke Chapman Parsons	SURFACE FINISH EQUIVALENTS 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100	SURFACE FINISH SYMBOLS ✓ DENOTES NOT NECESSARILY MACHINED ▽ DENOTES MACHINED	WELD SYMBOLS TO BS 489 PART 2 1969	FABRICATION TOLERANCES DIMENSIONS UP TO 300 ± 0.30 DIMENSIONS FROM 300 TO 2000 ± 0.50 DIMENSIONS FROM 2000 TO 10000 ± 1.00 DIMENSIONS FROM 10000 TO 100000 ± 1.60 STRAIGHTNESS / FLATNESS ± 0.10	THIS DRAWING IS THE PROPERTY OF NEW PARSONS LTD. AND MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY WITHOUT GRUPE PARSONS WRITTEN CONSENT.	ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED UNLESS OTHERWISE SPECIFIED UNLESS OTHERWISE SPECIFIED UNLESS OTHERWISE SPECIFIED	PROJECT NO. 100-100 DRAWING NO. 24-2-61 DATE 12.12.61	GRUPE PARSONS NEWCASTLE UPON TYNE 4.2 METRE TELESCOPE PRIMARY MIRROR RADIAL BEARING UNIT	SCALE 1:1 SCALE 1:20
	THIS DRAWING CONFORMS TO B.S. 902								



APPROVED  
T.C.I. 223 06  
A

APPROVED  
T.C.I. 223 06  
A

DESIGN NO.	REVISED DATE	REVISED BY	APPROVED BY
TCI 223 06	6-5-61	A	A
MATERIAL: BRASS			
FINISH: POLISHED			
WEIGHT: 0.150			
PART NO. 223 06			



APPROVED  
T.C.I. 223 06  
A

APPROVED  
T.C.I. 223 06  
A

APPROVED  
T.C.I. 223 06  
A

DESIGN NO.	REVISED DATE	REVISED BY	APPROVED BY
TCI 223 06	6-5-61	A	A
MATERIAL: BRASS			
FINISH: POLISHED			
WEIGHT: 0.150			
PART NO. 223 06			

THIS DRAWING IS THE PROPERTY OF KEI PARSONS LTD. AND MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY WITHOUT WRITTEN CONSENT.

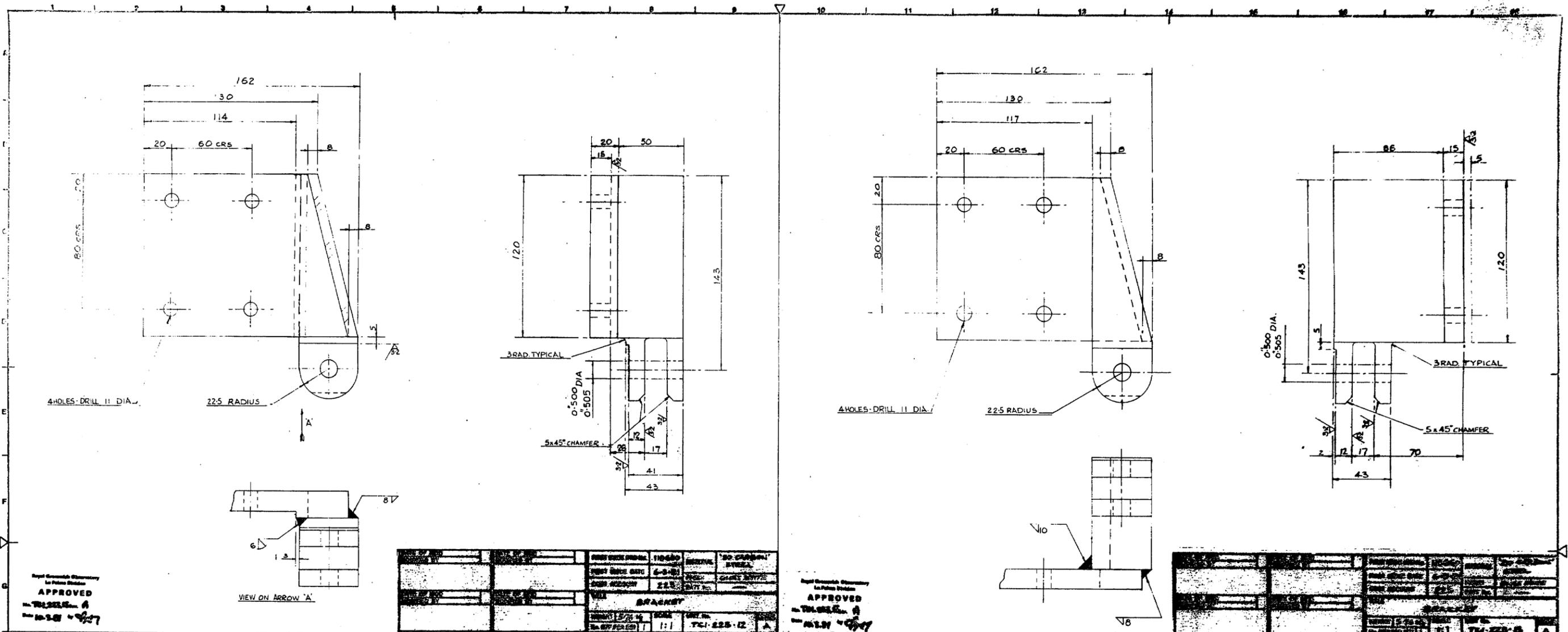
ALL DIMENSIONS ARE IN MILLIMETERS.

ANGLES & SCREW THREADS TO B.S. 9413 PART 2 MEDIUM FIT MACHINED DIA CONCENTRIC TO O.D. TAPER.

GRUPE PARSONS NEWCASTLE UPON TYNE ENG. SVCS.

18-2-61



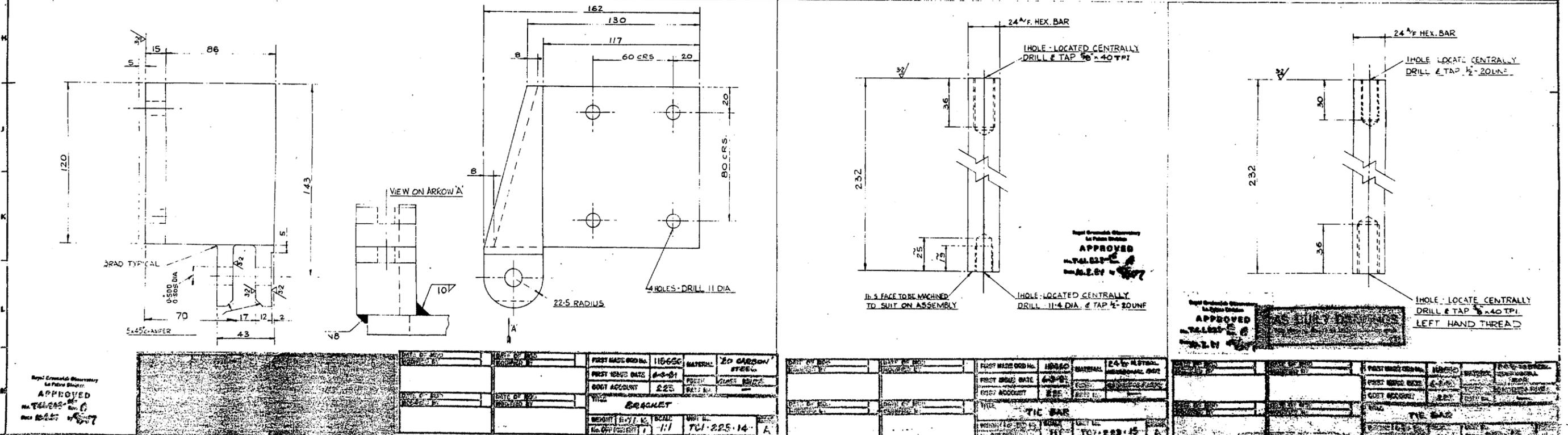


Approved  
 T. J. P. 10-2-57

Approved  
 T. J. P. 10-2-57

DESIGN NO.	11566	MATERIAL	20 CARBON STEEL
FIRST MADE DATE	6-3-51	DESIGNER	W. J. P.
COST ACCOUNT	225	DRY. NO.	TC1-225-12
BRACKET			
SCALE	1:1	DRY. NO.	TC1-225-12

DESIGN NO.	11567	MATERIAL	20 CARBON STEEL
FIRST MADE DATE	6-3-51	DESIGNER	W. J. P.
COST ACCOUNT	225	DRY. NO.	TC1-225-13
BRACKET			
SCALE	1:1	DRY. NO.	TC1-225-13



Approved  
 T. J. P. 10-2-57

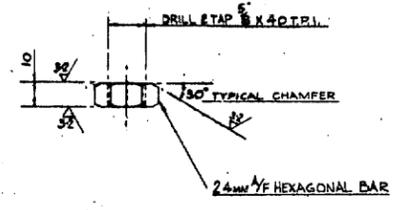
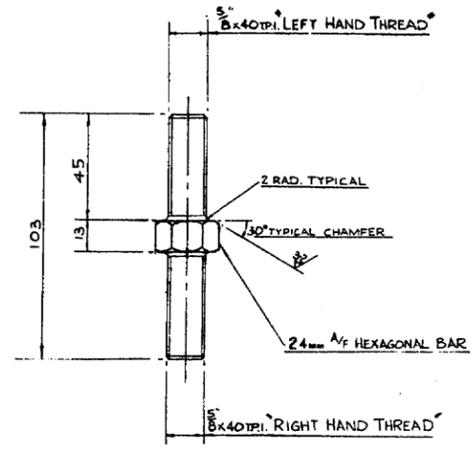
Approved  
 T. J. P. 10-2-57

Approved  
 T. J. P. 10-2-57

DESIGN NO.	11566	MATERIAL	20 CARBON STEEL
FIRST MADE DATE	6-3-51	DESIGNER	W. J. P.
COST ACCOUNT	225	DRY. NO.	TC1-225-14
TIE BAR			
SCALE	1:1	DRY. NO.	TC1-225-14

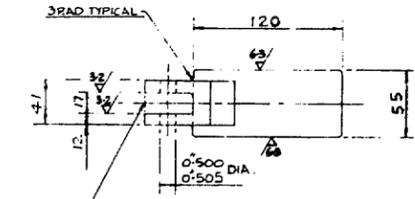
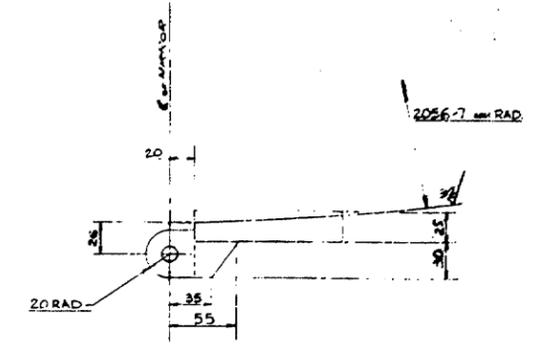
DESIGN NO.	11567	MATERIAL	24 F. HEX. BAR
FIRST MADE DATE	6-3-51	DESIGNER	W. J. P.
COST ACCOUNT	225	DRY. NO.	TC1-225-15
TIE BAR			
SCALE	1:1	DRY. NO.	TC1-225-15

DESIGN NO.	11568	MATERIAL	24 F. HEX. BAR
FIRST MADE DATE	6-3-51	DESIGNER	W. J. P.
COST ACCOUNT	225	DRY. NO.	TC1-225-16
TIE BAR			
SCALE	1:1	DRY. NO.	TC1-225-16



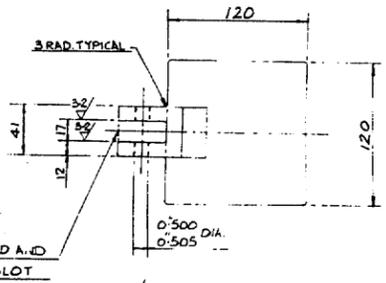
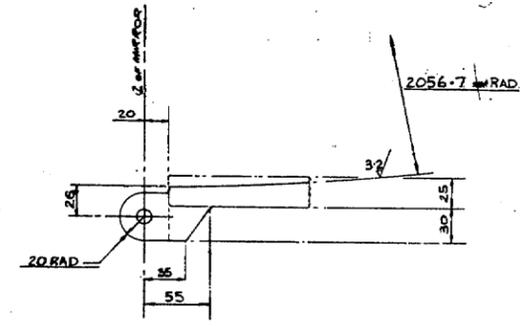
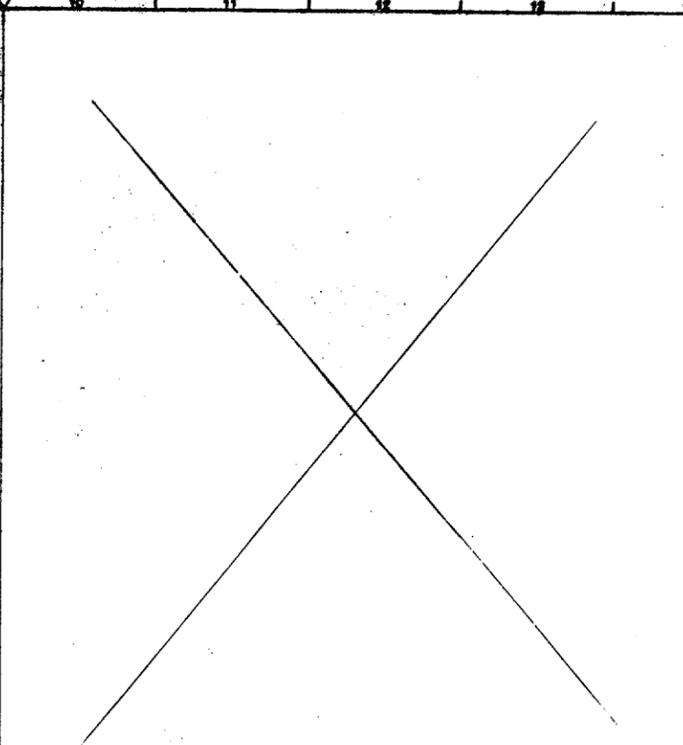
UNIT NO	DESCRIPTION
TCI-223-18	LEFT HAND THREAD
TCI-223-19	RIGHT HAND THREAD

APPROVED  
 APPROVED  
 APPROVED

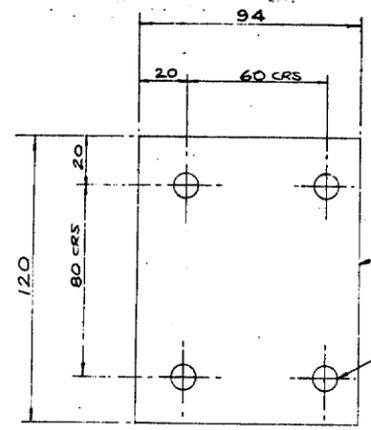


CAST SOLID AND  
 MACHINE SLOT

APPROVED  
 APPROVED



CAST SOLID AND  
 MACHINE SLOT



THICKNESS TO BE  
 DETERMINED  
 ON ASSEMBLY

ANGLES - DRILL 11 DIA  
 TO LOCATE WITH HOLES  
 IN UNITS TCI-223-12, -13, -14.

APPROVED

APPROVED

DESIGNER	118660	DESIGNED BY	118660	PROJECT NO.	TCI-223-21
ISSUED BY	118660	CHECKED BY	118660	UNIT NO.	TCI-223-22
DATE	19-2-51	DATE	19-2-51	SCALE	1:1
WORKSHEET NO.	112	WORKSHEET NO.	112	PROJECT	MIRROR BRACKET
REVISIONS		REVISIONS		DESCRIPTION	