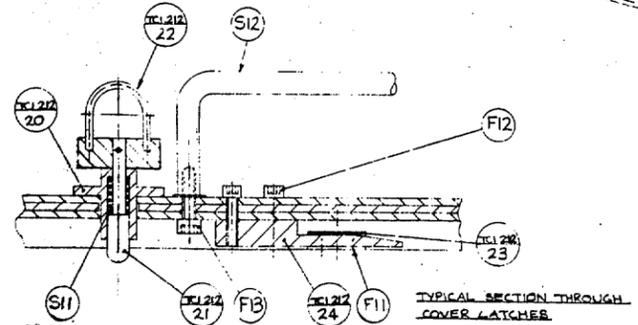
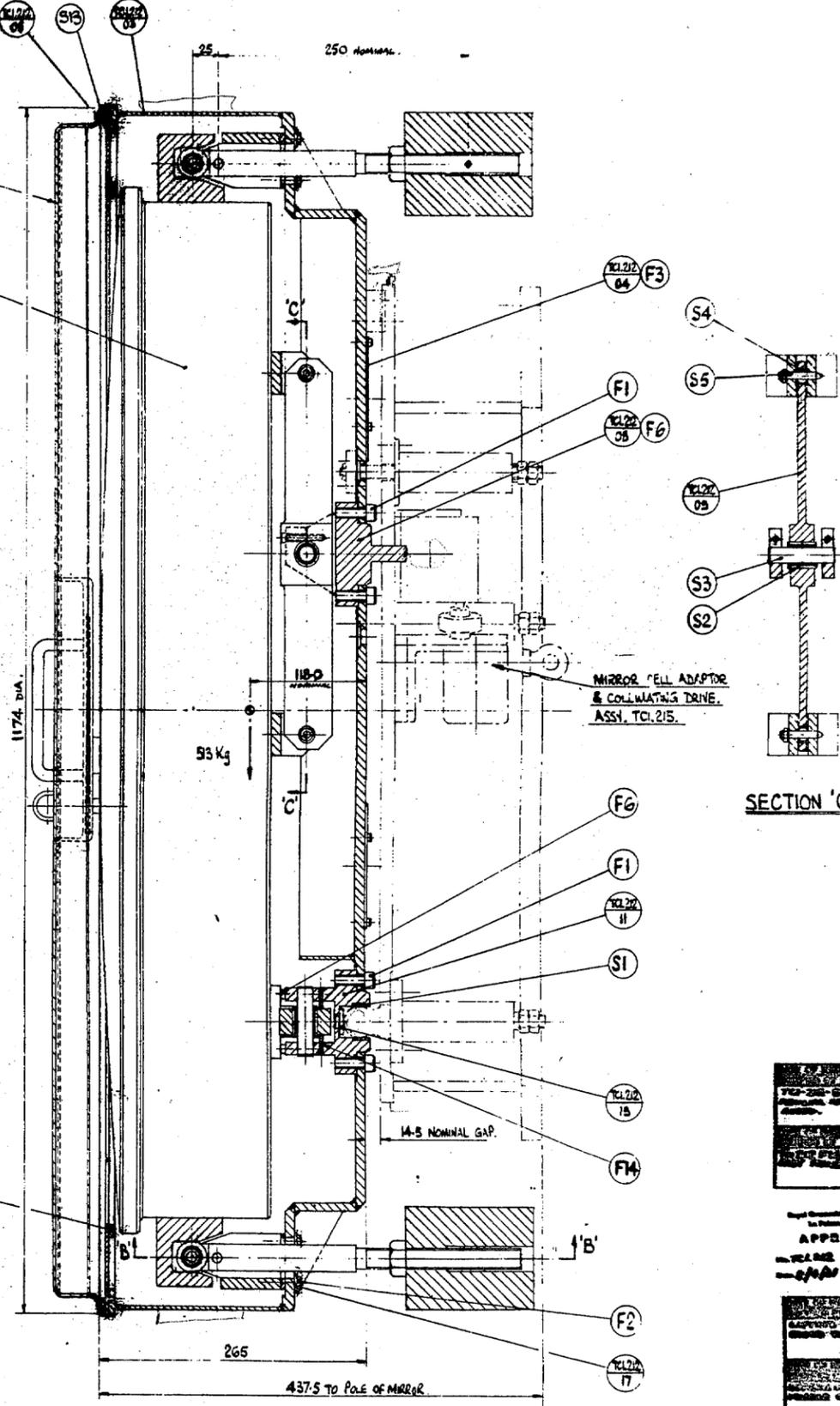


VIEW ON ARROW 'B'
TYPICAL 2 PLACES

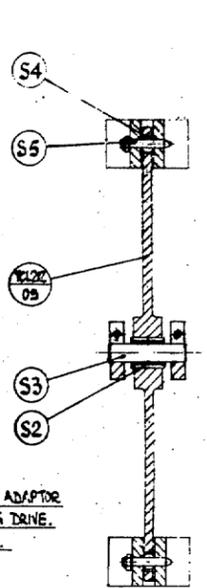
FIDUCIAL MARKS
AS SHOWN ON
ASSY. TC1-031



SECTION 'B-B'

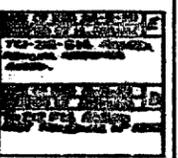


SECTION 'A-A'

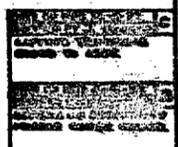


SECTION 'C-C'

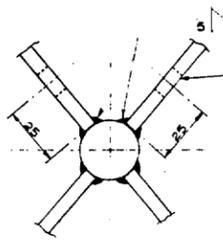
ASSEMBLY PROCEDURE NUMBER: TC1212 AR12-2



APPROVED
DATE: 1968
BY: [Signature]



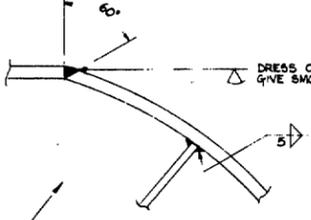
SURFACE FINISH EQUIVALENTS TO BS 499 THIS DRAWING CONFORMS TO B.S. 308	SURFACE FINISH SYMBOLS ✓ FINISH NOT NECESSARILY MACHINED ✗ FINISH MACHINED	WELD SYMBOLS TO BS 499 PART 2 1968	FABRICATION TOLERANCES DIMENSIONS UP TO 250 ± 0.20 DIMENSIONS FROM 250 TO 2500 ± 0.30 ANGLES STRAIGHTNESS/FLATNESS ± 1:500	THIS DRAWING IS THE PROPERTY OF H.E.I. PARSONS LTD. ANY MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY WITHOUT WRITTEN CONSENT	ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 1 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 2 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 3 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 4 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 5 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 6 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 7 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 8 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 9 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 10 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 11 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 12 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 13 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 14 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 15 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 16 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 17 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 18 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 19 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 20 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 21 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 22 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 23 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 24 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 25 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 26 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 27 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 28 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 29 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 30 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 31 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 32 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 33 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 34 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 35 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 36 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 37 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 38 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 39 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 40 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 41 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 42 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 43 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 44 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 45 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 46 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 47 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 48 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 49 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 50 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 51 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 52 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 53 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 54 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 55 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 56 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 57 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 58 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 59 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 60 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 61 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 62 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 63 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 64 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 65 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 66 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 67 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 68 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 69 UNLESS OTHERWISE 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OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 88 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 89 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 90 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 91 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 92 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 93 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 94 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 95 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 96 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 97 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 98 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 99 UNLESS OTHERWISE SPECIFIED	DIMENSIONS TO BS 308 PART 100 UNLESS OTHERWISE SPECIFIED



2 HOLES DRILL 12 DIA
REMOVE ALL SHARP EDGES

WELD DETAIL FOR DIAGONAL RIBS
SCALE 1:1

2 HOLES DRILL & REAM
7.93 (5/16") DIA. POSITION
FROM UNIT N° TC1 215 11
ON ASSY



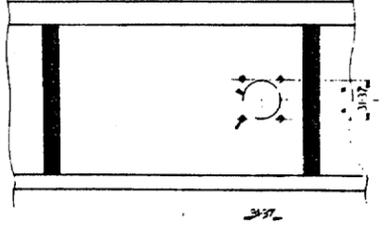
DRESS OFF WELD TO
GIVE SMOOTH FINISH

WELD DETAIL WITH TOP PLATE REMOVED
SCALE 1:2

4 HOLES DRILL & TAP M6 x 1.25
POSITION FROM TC1 215 11 ON
ASSEMBLY

2 SETS OF 4 HOLES (8 HOLES)
DRILL & TAP M6 x 1. POSITION
FROM UNIT N° TC1 215 21 ON ASSY

1 HOLE DRILL 13.55 DIA



4 HOLES DRILL
4.85 DIA.

VIEW ON ARROW A

2 HOLES DRILL 26 DIA

2 SETS OF 2 HOLES (4 HOLES)
DRILL & TAP M6 x 1. POSITION FROM
UNIT N° TC1 215 23 ON ASSY

1 HOLE DRILL 10 DIA

4 HOLES AT 45° OFF AXIS
FLAT BOTTOM DRILL 16 DIA
x 9 DEEP

DETAIL OF DRILLING FOR
HARDENED INSERTS
SCALE 1:1

1/2 WAY TERMINAL STRIP CUT IN
HALF TO MAKE 2-6 WAYS.
SPOT FIXING HOLES ON ASSY

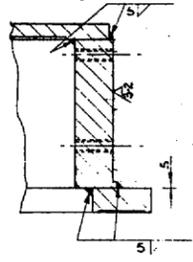
MACHINE 5/2 ON UNDERSIDE
OF TOP PLATE. MAXIMUM
CORNER RADII TO BE 25 R4

4 HOLES DRILL & TAP
M4 FOR MOTOR CAPACITORS

4 HOLES ON A 790 R.C.D. DRILL
20 DIA & SPOTFACE 40 DIA

4 HOLES DRILL AND TAP M6 x 1.25
POSITION FROM UNIT N° TC1 215 06

1 HOLE DRILL 35.000 DIA



DETAIL OF TRUNNION BLOCKS
SCALE 1:2

2 SETS OF 4 HOLES (8 HOLES)
DRILL & TAP M10 x 1.5 POSITION
FROM UNIT N° TC1 212 00
ON ASSY

SECTION A-A

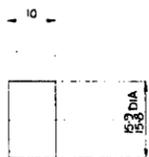
APPROVED
No. 781,215-01
Date 2.8.81 by *L.A.H.*

DATE OF MOD 20-1-81 MODIFIED BY J. CALLEN	DATE OF MOD 18-1-81 MODIFIED BY J. CALLEN	FIRST MADE ORD No. 28640	MATERIAL 2024-T3 AL
TO THE HOLE MADE ON OFFICIAL REV. (See Remarks)	HOLES ADDED 20-18, 19, 20	FIRST ISSUE DATE 27-2-81	PURCH NEW BUSHING
DATE OF MOD 11-4-81 MODIFIED BY J. CALLEN	DATE OF MOD 18-1-81 MODIFIED BY J. CALLEN	COST ACCOUNT DS	PART No.
HOLES ADDED FOR MOTOR CAPACITORS	HOLES DRILLED FOR MOTOR CAPACITORS	WEIGHT 36.34	SCALE 1:2
		NO. OF PER SET 1	TC1 215 05

AS BUILT DRAWINGS
This drawing shows all revisions to this work

NOTES
1. TO BE STRESS RELIEVED TO BS 1500-1968
SECTION 4D AND GRIE BLASTED
PAINT WITH PRIMER IMMEDIATELY AFTER
BLASTING.
2. ALL WELD SURFACES ARE TO BE CLEAN & FREE
FROM SCALE, LAMINATIONS AND INCLUSIONS.
3. ALL WELDS TO BE CONTINUOUS.
4. TO PURCHASE SPECIFICATION: BS 1500-1968
5. TO QUALITY CONTROL SCHEDULE-3.0.5/14

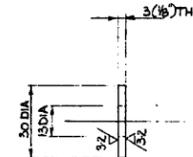
<p>A member of</p> <p>Grubb Parsons</p>	<p>SURFACE FINISH EQUIVALENTS</p> <p>2 SURFACE FINISH SYMBOLS</p> <p>WELD SYMBOLS</p> <p>FABRICATION TOLERANCES</p>	<p>THIS DRAWING IS THE PROPERTY OF NEI PARSONS LTD. AND MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY WITHOUT GRUBB PARSONS WRITTEN CONSENT.</p>	<p>ALL DIMENSIONS ARE IN MILLIMETRES</p> <p>PROJECTION CHECKED</p> <p>DATE 27-10-80</p>	<p>GRUBB PARSONS NEWCASTLE UPON TYNE NEG 278</p> <p>DETAILS FOR SECONDARY MIRROR CELL ADAPTOR</p>
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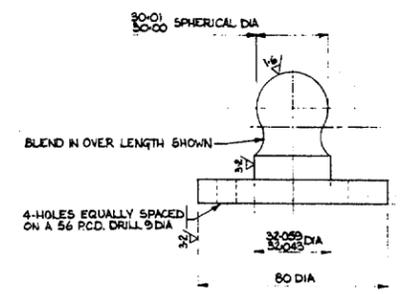
MACHINE 3/2 ALLOVER

NOTE
TO BE MACHINED AND THEN
HARDENED TO ROCKWELL N°60
PROCESS SPEC HT/01 ISSUE 1,
TEMP 300°C

DATE OF MOD REVISION BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL 20' CARBON STEEL
		FIRST ISSUE DATE 27-2-91	FINISH Natural
		COST ACCOUNT 215	PART No.
		TITLE MIRROR	
		WEIGHT 0-016 Kg	SCALE UNIT No. 1/1
		No. OFF PER SET 4	TC1 215 04 A

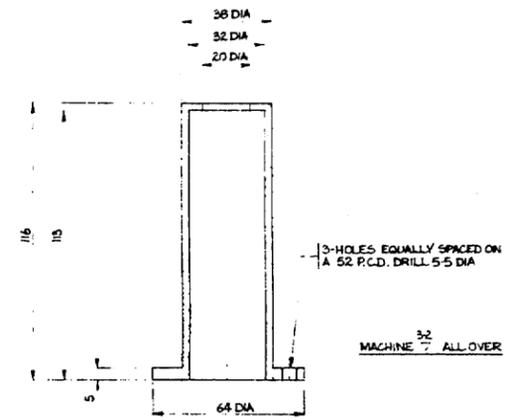


DATE OF MOD REVISION BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL 20' CARBON STEEL
		FIRST ISSUE DATE 27-2-91	FINISH Natural
		COST ACCOUNT 215	PART No.
		TITLE MIRROR	
		WEIGHT 0-014 Kg	SCALE UNIT No. 1/1
		No. OFF PER SET 4	TC1 215 05 A

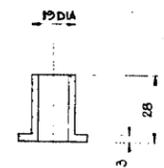


NOTE
TO BE MACHINED AND THEN
HARDENED TO ROCKWELL N°60
LAP WITH I.N.A. INNER RACE
IR 90.35+17 UNIT N° TC1 212.51
O.A. ASSEMBLY
PROCESS SPEC HT/01 ISSUE 1,
TEMP 300°C

DATE OF MOD REVISION BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL 20' CARBON STEEL
		FIRST ISSUE DATE 27-2-91	FINISH Natural
		COST ACCOUNT 215	PART No.
		TITLE BALL SOCKET	
		WEIGHT 0-61 Kg	SCALE UNIT No. 1/1
		No. OFF PER SET 1	TC1 215 06 A

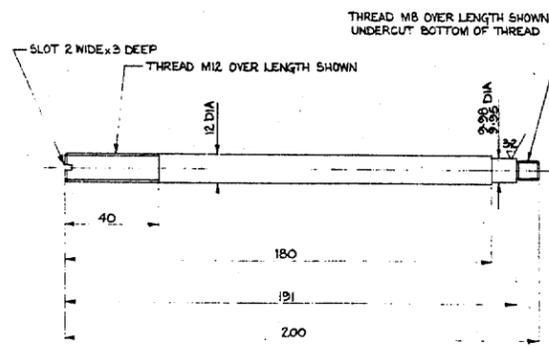


DATE OF MOD REVISION BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL 20' CARBON STEEL
		FIRST ISSUE DATE 27-2-91	FINISH Natural
		COST ACCOUNT 215	PART No.
		TITLE SPINDLE MOUNTING	
		WEIGHT 0-89 Kg	SCALE UNIT No. 1/1
		No. OFF PER SET 6	TC1 215 07 A

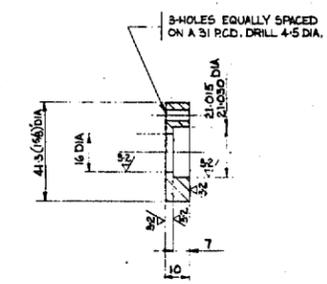


MACHINE 3/2 ALL OVER

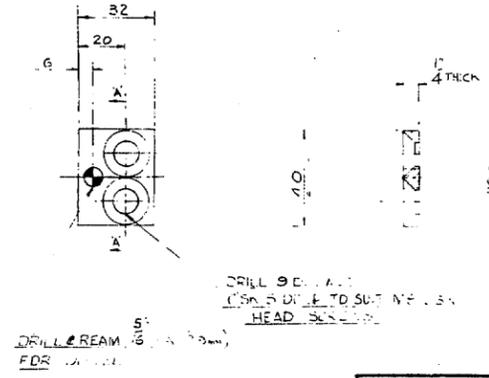
DATE OF MOD REVISION BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL STAINLESS STEEL
		FIRST ISSUE DATE 27-2-91	FINISH Natural
		COST ACCOUNT 215	PART No.
		TITLE SPRING PLUNGER	
		WEIGHT 0-045 Kg	SCALE UNIT No. 1/1
		No. OFF PER SET 6	TC1 215 08 A



DATE OF MOD REVISION BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL 20' CARBON STEEL
		FIRST ISSUE DATE 27-2-91	FINISH Natural
		COST ACCOUNT 215	PART No.
		TITLE CENTRE PIN	
		WEIGHT 0-17 Kg	SCALE UNIT No. 1/1
		No. OFF PER SET 6	TC1 215 09 A



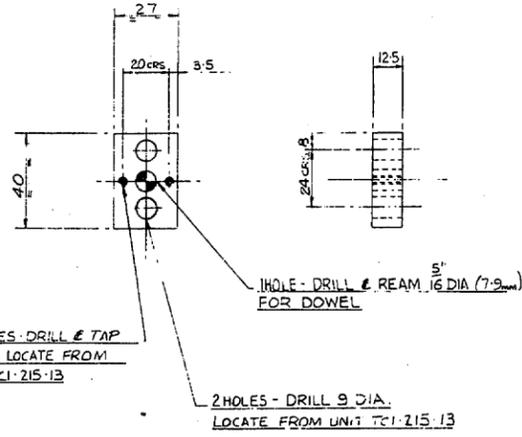
DATE OF MOD REVISION BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL 20' CARBON STEEL
		FIRST ISSUE DATE 27-2-91	FINISH Natural
		COST ACCOUNT 215	PART No.
		TITLE BRONZE CUP	
		WEIGHT 0-068 Kg	SCALE UNIT No. 1/1
		No. OFF PER SET 6	TC1 215 10 A



DATE OF MOD REVISION BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL STAINLESS STEEL
		FIRST ISSUE DATE 27-2-91	FINISH Natural
		COST ACCOUNT 215	PART No.
		TITLE CLAMPING PLATE	
		WEIGHT 0-085 Kg	SCALE UNIT No. 1/1
		No. OFF PER SET 2	TC1 215 11 A

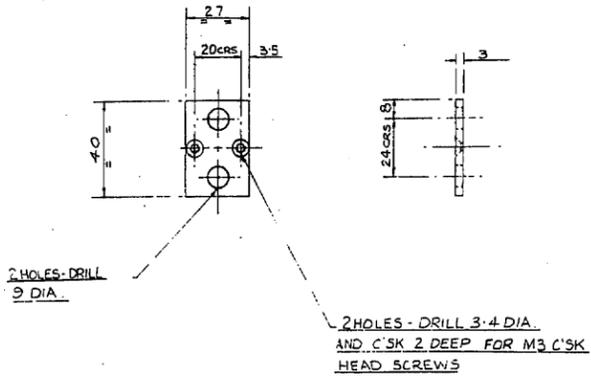
AS BUILT DRAWINGS
This drawing shows all changes to the work

APPROVED
1997



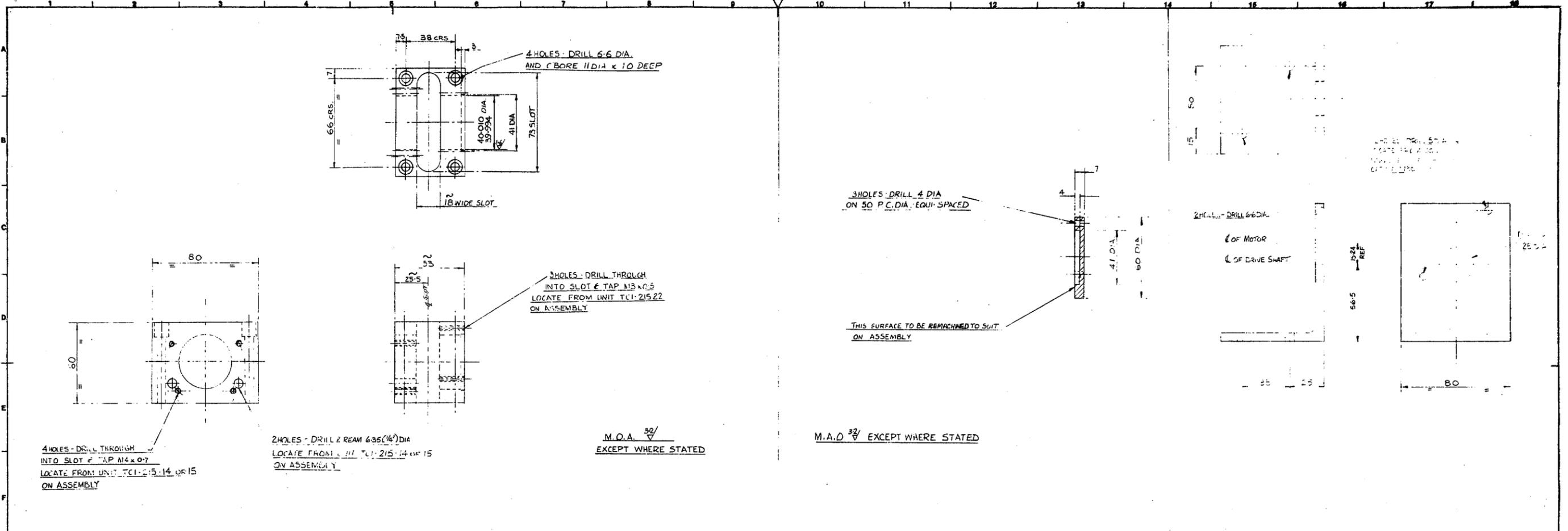
M.A.D. 3/7

M.A.D. 3/7



TCI 215 14 ONWARDS FOLLOWS ON ANOTHER SHEET A BROWN 27-2-87

PROJECT NAME	PROJECT NO.	DATE	SCALE	UNIT NO.	REV.
PROJECT NAME	PROJECT NO.	DATE	SCALE	UNIT NO.	REV.
PROJECT NAME			SCALE	UNIT NO.	REV.
PROJECT NAME			SCALE	UNIT NO.	REV.



4 HOLES - DRILL THROUGH INTO SLOT & TAP M4 x 0.7 LOCATE FROM UNIT TCI-215-14 OR 15 ON ASSEMBLY

2 HOLES - DRILL & REAM 6.35 (1/4") DIA LOCATE FROM UNIT TCI-215-14 OR 15 ON ASSEMBLY

3 HOLES - DRILL THROUGH INTO SLOT & TAP M3 x 0.5 LOCATE FROM UNIT TCI-215-22 ON ASSEMBLY

3 HOLES - DRILL 4 DIA ON 50 P.C. DIA. EQUI-SPACED

THIS SURFACE TO BE REMACHINED TO SUIT ON ASSEMBLY

2 HOLES - DRILL 6.6 DIA. OF MOTOR OF DRIVE SHAFT

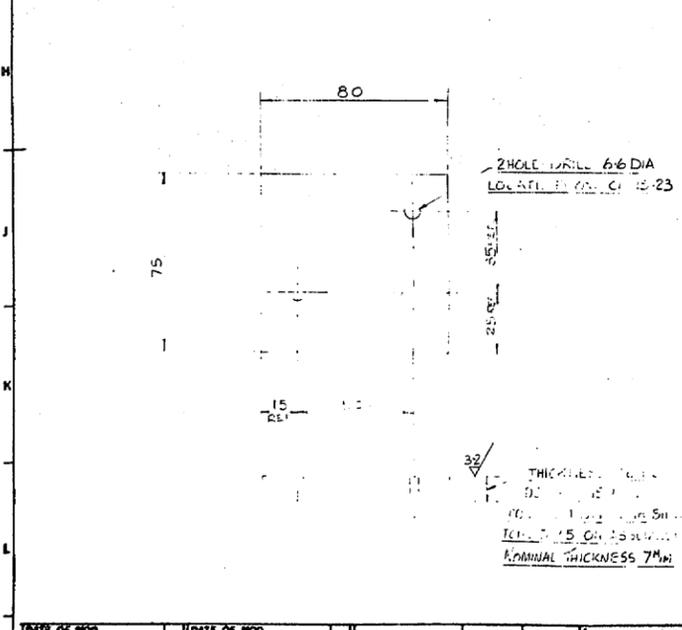
M.O.A. ³²/_V EXCEPT WHERE STATED

M.A.D. ³²/_V EXCEPT WHERE STATED

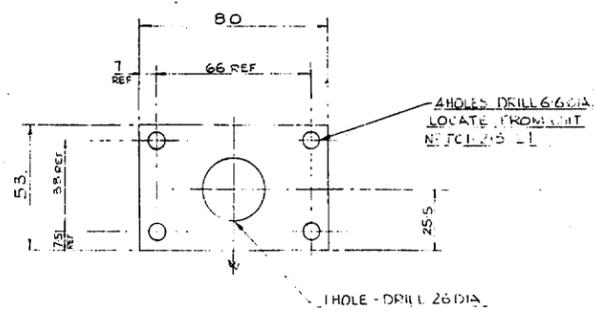
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL 20' Carbon Steel
		FIRST ISSUE DATE 27-8-91	FINISH
		COST ACCOUNT 215	PART No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE ECCENTRIC HOUSING	
		WEIGHT 0.13 kg	SCALE 1:1
		No. OFF PER SET 2	UNIT No. TCI-215-21 A

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL 20' Carbon Steel
		FIRST ISSUE DATE 27-8-91	FINISH
		COST ACCOUNT 215	PART No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE CAP	
		WEIGHT 0.08 kg	SCALE 1:1
		No. OFF PER SET 2	UNIT No. TCI-215-22 A

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL AL ALLOY
		FIRST ISSUE DATE 27-8-91	FINISH
		COST ACCOUNT 215	PART No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE BRACKET	
		WEIGHT 0.08 kg	SCALE 1:1
		No. OFF PER SET 2	UNIT No. TCI-215-23 A



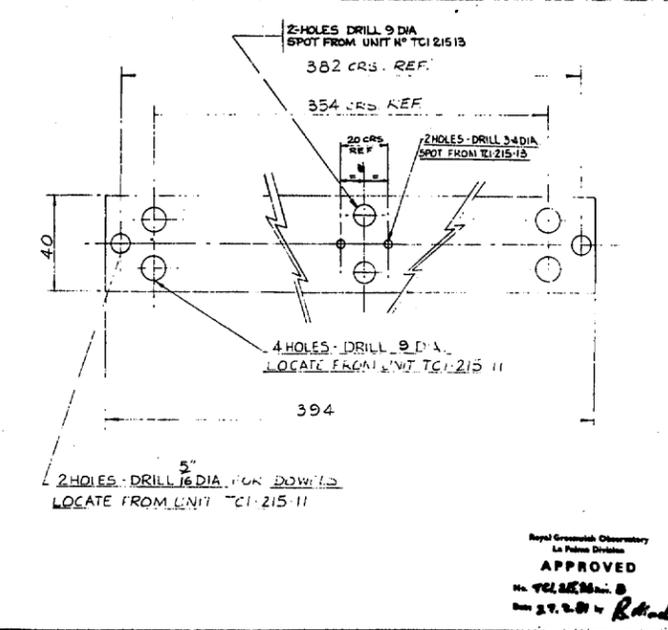
2 HOLES - DRILL 6.6 DIA LOCATE FROM UNIT TCI-215-23



4 HOLES - DRILL 6.6 DIA LOCATE FROM UNIT TCI-215-21

1 HOLE - DRILL 26 DIA

THICKNESS TO BE DETERMINED IN CONJUNCTION WITH CHIM TCI-215-24 ON ASSEMBLY NOMINAL THICKNESS 5mm



2 HOLES - DRILL 9 DIA SPOT FROM UNIT TCI-215-18

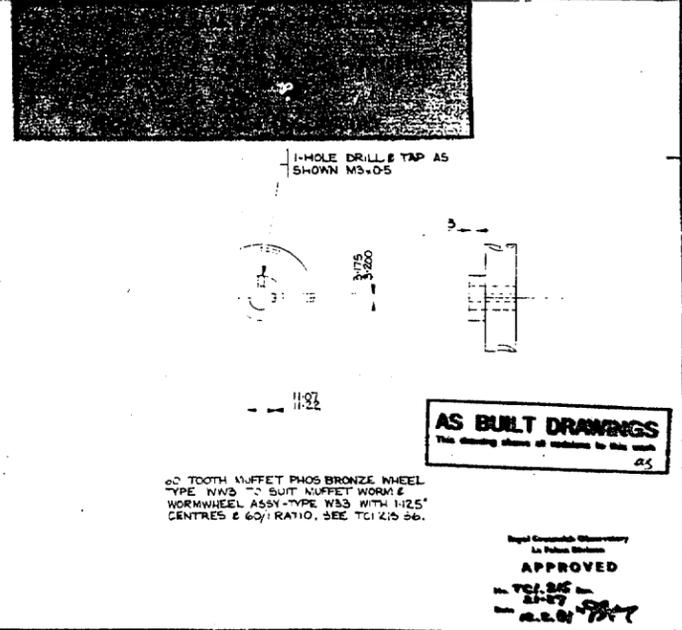
382 CRS REF

354 CRS REF

2 HOLES - DRILL 3.4 DIA SPOT FROM UNIT TCI-215-18

4 HOLES - DRILL 9 DIA LOCATE FROM UNIT TCI-215-11

2 HOLES - DRILL 16 DIA FOR DOWN TO LOCATE FROM UNIT TCI-215-11



1 HOLE - DRILL & TAP AS SHOWN M3 x 0.5

60 TOOTH MUFFET PHOS BRONZE WHEEL TYPE NWS TO SUIT MUFFET WORK & WORKWHEEL ASSY-TYPE W33 WITH 1:2.5 CENTRES & 60:1 RATIO. SEE TCI-215-26.

AS BUILT DRAWINGS

APPROVED
DATE 27.8.91

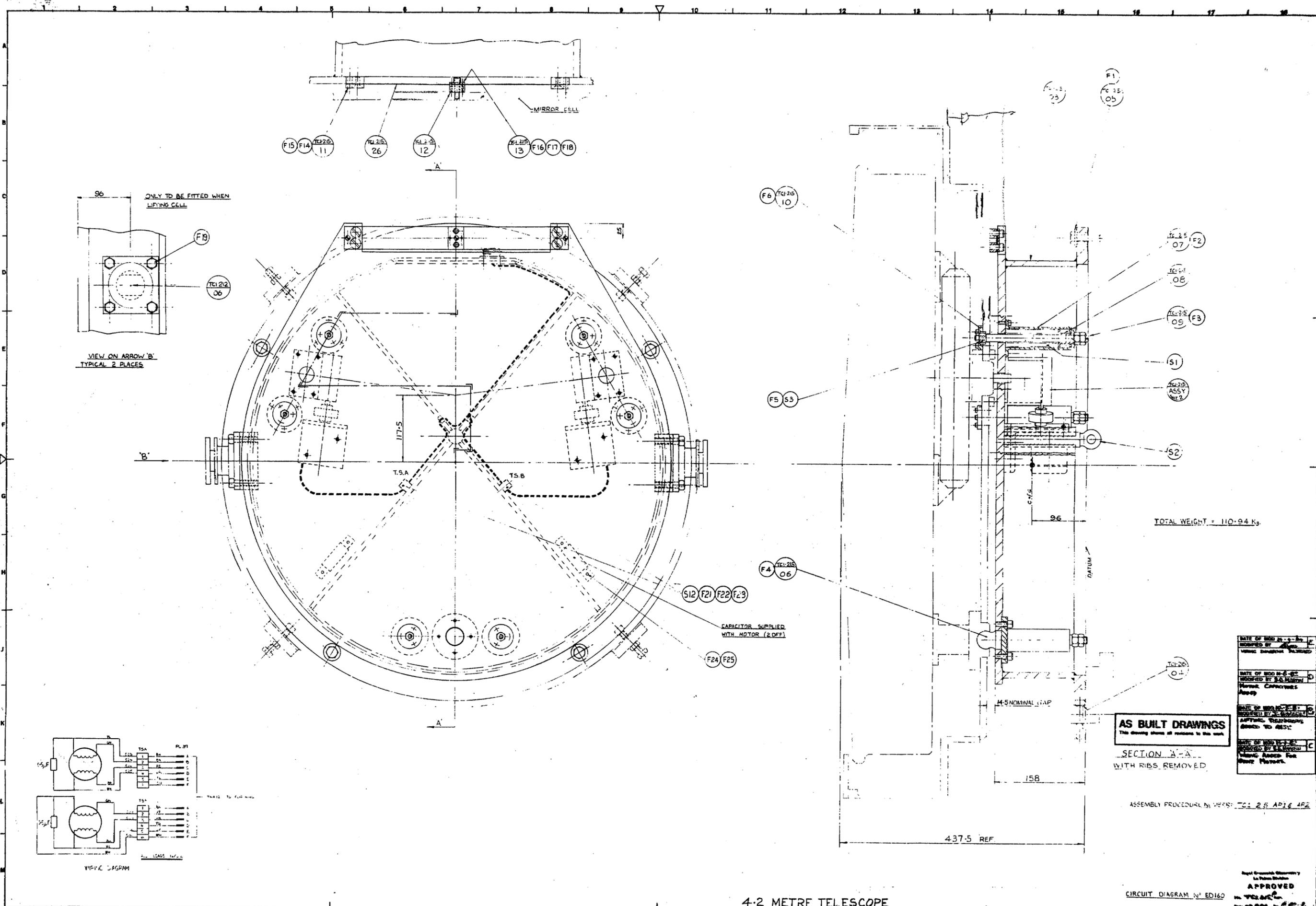
APPROVED
DATE 27.8.91

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL 20' Carbon Steel
		FIRST ISSUE DATE 27-8-91	FINISH
		COST ACCOUNT 215	PART No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE MOTOR SHIM	
		WEIGHT 0.3 kg	SCALE 1:1
		No. OFF PER SET 2	UNIT No. TCI-215-24 A

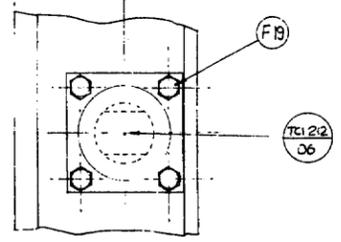
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		FIRST ISSUE DATE 27-8-91	FINISH
		COST ACCOUNT 215	PART No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE ECCENTRIC SHIM	
		WEIGHT 0.2 kg	SCALE 1:1
		No. OFF PER SET 2	UNIT No. TCI-215-25 A

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL STAINLESS
		FIRST ISSUE DATE 27-8-91	FINISH
		COST ACCOUNT 215	PART No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE FLEXIBLE STRAP	
		WEIGHT 4.1 kg	SCALE 1:1
		No. OFF PER SET 2	UNIT No. TCI-215-26 B

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118660	MATERIAL See Above
		FIRST ISSUE DATE 27-8-91	FINISH
		COST ACCOUNT 215	PART No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE Adaptation to Motor Shim	
		WEIGHT 1.1 kg	SCALE 1:1
		No. OFF PER SET 1	UNIT No. TCI-215-27



96 ONLY TO BE FITTED WHEN LIFTING CELL



VIEW ON ARROW 'B' TYPICAL 2 PLACES

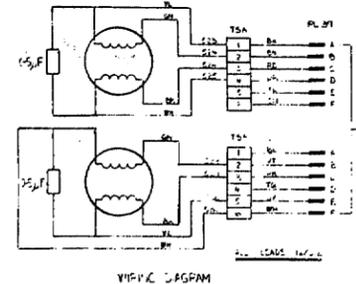
TOTAL WEIGHT = 110.94 Kg.

AS BUILT DRAWINGS
This drawing shows all material in this work.

SECTION A-A
WITH RIBS REMOVED

ASSEMBLY PROCEDURE NUMBER: TC1-215 AD16 1P2

437.5 REF



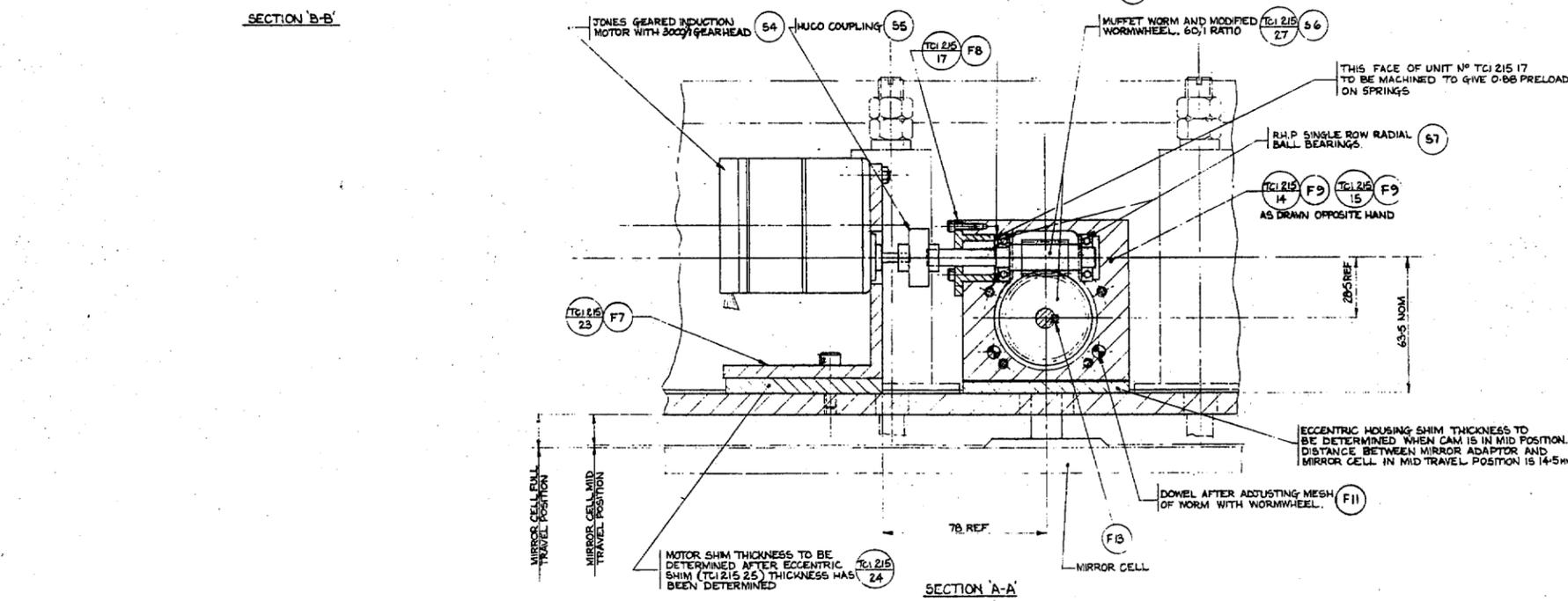
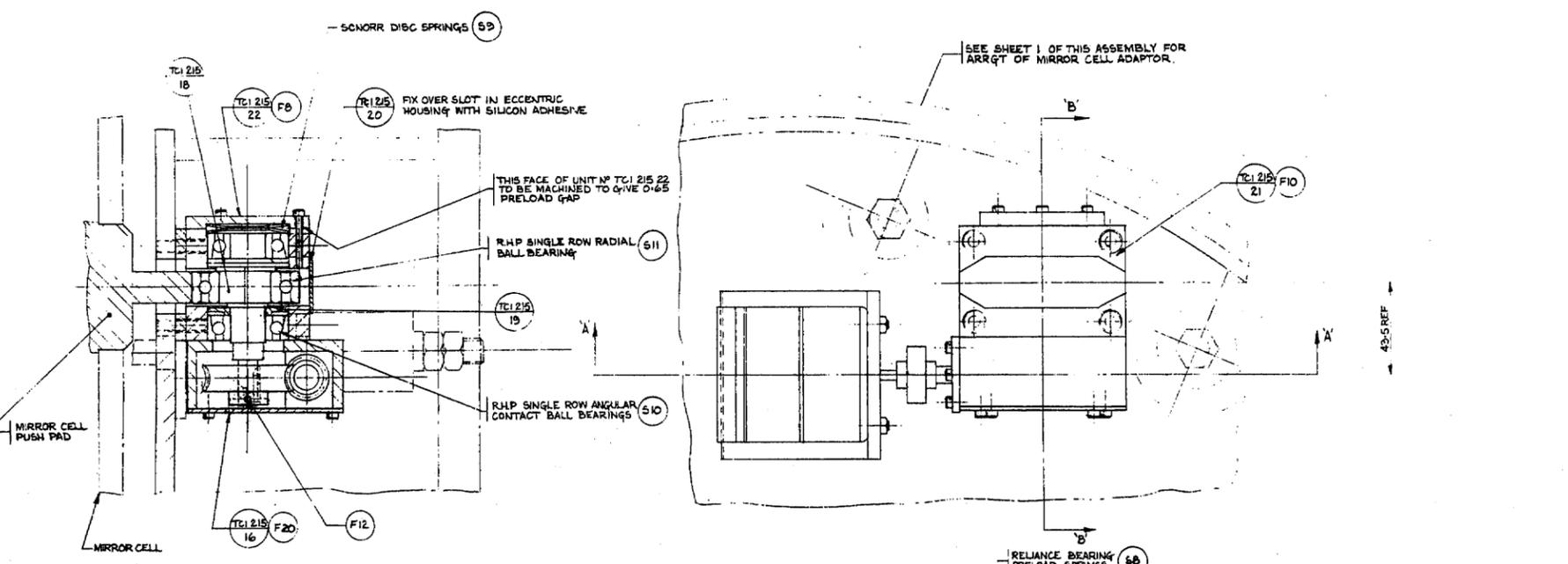
WIRING DIAGRAM

4.2 METRE TELESCOPE

CIRCUIT DIAGRAM NO ED160

A member of Clarke Chapman and Roylance Parsons	SURFACE FINISH EQUIVALENTS MICROMETRES 12 18 22 30 36 45 60 80 100 RECOMMENDED 1 2 3 4 5 6 7 8 9 10 11 12 13	SURFACE FINISH SYMBOLS DENOTES NOT NECESSARILY MACHINED DENOTES MACHINED	WELD SYMBOLS TO BS 499 PART 2 1959	FABRICATION TOLERANCES DIMENSIONS UP TO 250 ± 0.20 DIMENSIONS FROM 250 TO 2500 ± 0.30 ANGLES ± 1:600 STRAIGHTNESS/FLATNESS 1:600	THIS DRAWING IS THE PROPERTY OF HBI PARSONS LTD. AND MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY WITHOUT GRUBB PARSONS WRITTEN CONSENT.	ALL DIMENSIONS ARE IN MILLIMETRES ANGLES & SCREW THREADS TO B.S. 8443 PART 3 MEDIUM FIT MACHINED DIA CORRECTING TO D1 TOLERANCE	DRAWN BY N. MANN DATE 7.11.80.	GRUBB PARSONS NEWCASTLE UPON TYNE NBS 5YD ASSY. OF SECONDARY M. CELL ADAPTOR AND COLLMATING DRIVE 3/2 TC1-215
	APPROVED [Signature]							

A
B
C
D
E
F
G
H
J
K
L
M



NOTES
 1 MESH OF WORM TO WORMWHEEL IS TO BE ADJUSTED ON ASSEMBLY BY MOVING WORM HOUSING RELATIVE TO CAM HOUSING TO GIVE MINIMUM CLEARANCE (TARGET CLEARANCE TO BE LESS THAN 0.01MM)
 2 ONE COLLIMATING DRIVE ASSY AS DRAWN - ONE OFF OPPOSITE HAND.

AS BUILT DRAWINGS
 This drawing shows all conditions in this work.

4.2 METRE TELESCOPE

SURFACE FINISH EQUIVALENTS INCHES: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 MILLIMETERS: 0.001 0.002 0.003 0.004 0.005 0.006 0.007 0.008 0.009 0.010 0.012 0.015 0.020 0.025 0.030 0.035 0.040 0.045 0.050 0.055 0.060 0.070 0.080 0.090 0.100 0.125 0.150 0.200 0.250 0.300 0.400 0.500 0.600 0.800 1.000 1.250 1.500 2.000 2.500 3.000 4.000 5.000 6.000 8.000 10.000 12.500 15.000 20.000 25.000 30.000 40.000 50.000 60.000 80.000 100.000 THIS DRAWING CONFORMS TO B.S. 308		SURFACE FINISH SYMBOLS ✓ DENOTES NOT NECESSARILY MACHINED ✗ DENOTES MACHINED		WELD SYMBOLS TO BS 499 (PART 2 1989)		FABRICATION TOLERANCES DIMENSIONS UP TO 250 ± 0.20 DIMENSIONS FROM 250 TO 2500 ± 0.30 ANGLES ± 1:800 STRAIGHTNESS/FITNESS ± 1:800		THIS DRAWING IS THE PROPERTY OF GRS PARSONS LTD. AND MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY WITHOUT GRUBB PARSONS WRITTEN CONSENT.		GENERAL TOLERANCES UNLESS OTHERWISE SPECIFIED: DIMENSIONS OVER ± 0.1 DIMENSIONS UNDER ± 0.1 DIMENSIONS WITH OVER ± 0.1 DIMENSIONS WITH UNDER ± 0.1		ALL DIMENSIONS ARE IN MILLIMETRES ANGLES ± SCREW THREADS TO B.S. 9443 PART 2 MEDIUM FIT MACHINED DIA CONCENTRIC TO D ± 0.125		PROJECTION CHECKED 2nd ANGLE DATE 12-11-80 DRAWN A. BROWN		GRUBB PARSONS NEWCASTLE UPON TYNE NES 2YB ASSEMBLY OF SECONDARY MIRROR CELL ADAPTOR AND COLLIMATING DRIVE 1/1 TCI 215	
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