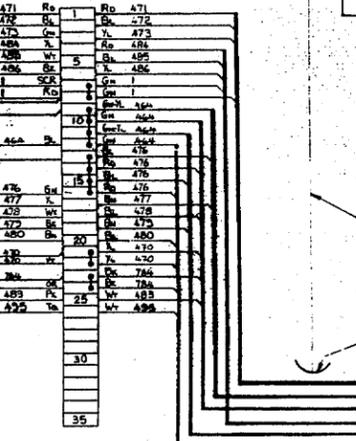
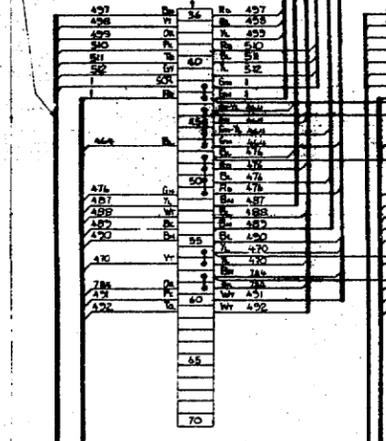


NO	TYPE
TFP2	4x16/O-2
TFP3	3x16/O-2
TFP4	4x16/O-2
TFP5	4x16/O-2
TFP6	3x16/O-2
TFP7	4x16/O-2
TFP8	4x16/O-2
TFP9	3x16/O-2
TFP10	4x16/O-2
TFP11	4x16/O-2
TFP12	3x16/O-2
TFP13	4x16/O-2
TFP32	12x16/O-2 C
TFP33	25x16/O-2

- (TCI 203) F21
- (TCI 203) F20
- (TCI 203) S20
- (TCI 203) S15
- (TCI 203) S16
- (TCI 203) S17
- (TCI 203) S21

12x16/O-2

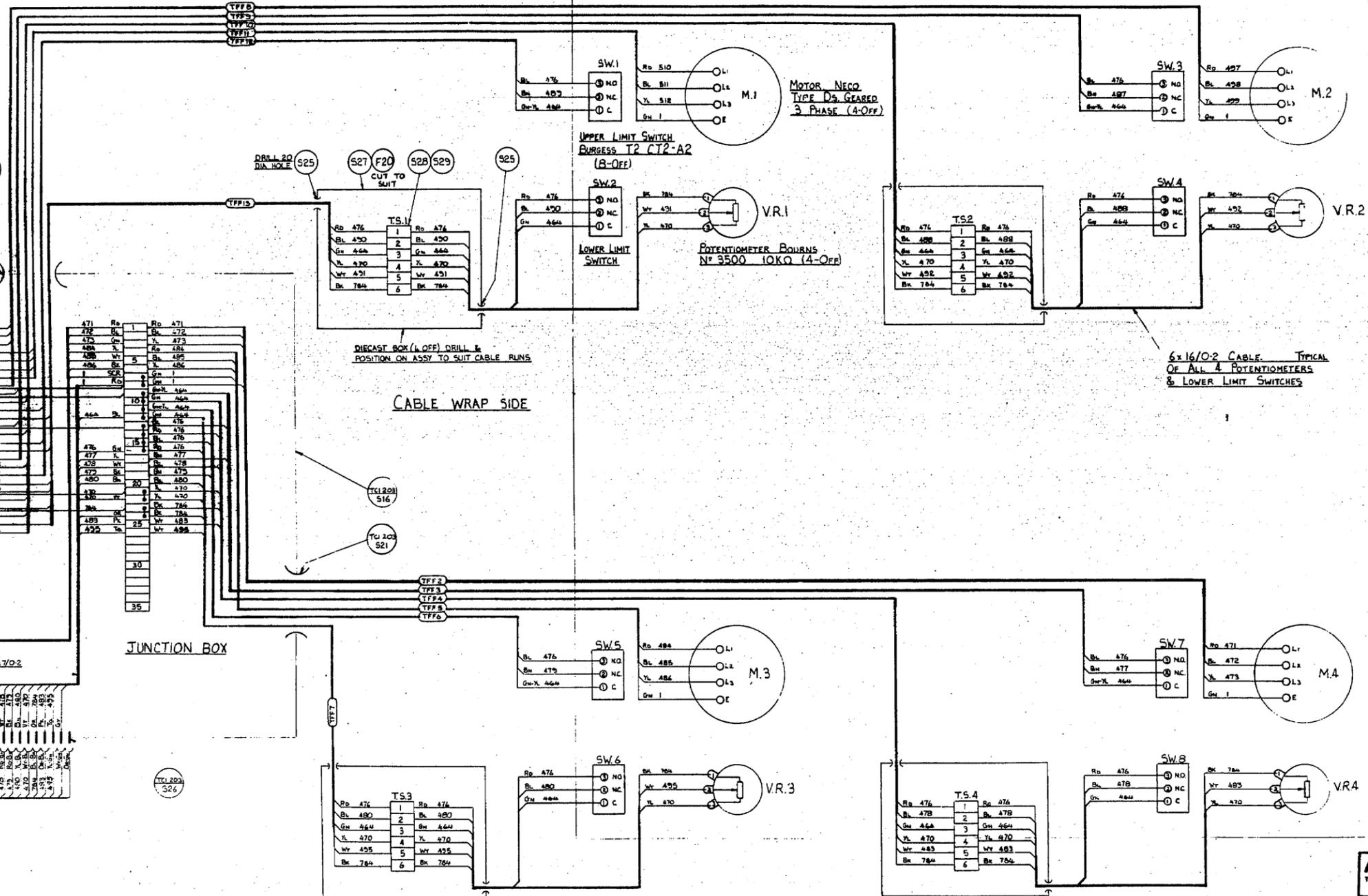


JUNCTION BOX

(TCI 203) S25

(TCI 203) S26

TO CLIP CENTRE



CABLE WRAP SIDE

DRIVE SIDE

6x16/O-2 CABLE TYPICAL OF ALL 4 POTENTIOMETERS & LOWER LIMIT SWITCHES

DIECAST BOX (L OFF) DRILL & POSITION ON ASSY TO SUIT CABLE RUNS

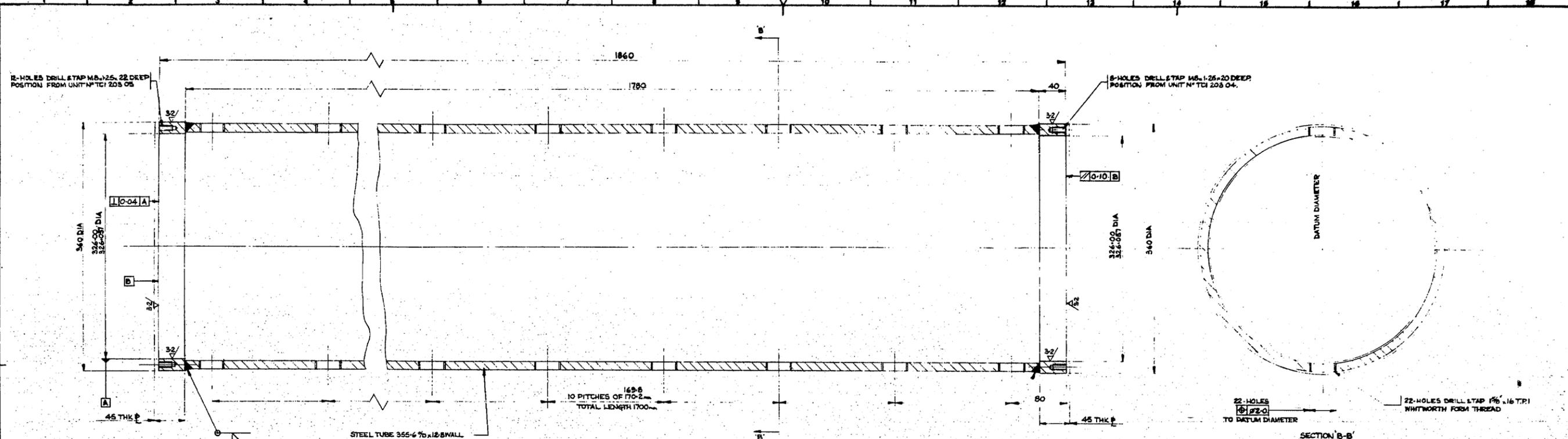
NOTE CENTRE SECTION VIEWED FROM ABOVE (MOTORS UPPERMOST)

APPROVED
 TCI 203 A
 12.12.77

AS BUILT DRAWINGS
 This drawing shows all changes to this work.

DATE OF MOD. 19-3-82	MODIFIED BY S.G.M.	DATE OF MOD. 19-3-82	MODIFIED BY S.G.M.	FIRST ISSUE DATE	11/8/74
Supply leads to 16/1-16/4		Largest dimension and length of lead shall be as shown on drawing. The lead shall be of the same material as the cable. The lead shall be of the same material as the cable.		COST ACCOUNT	203
TITLE CENTRE SECTION MOTORISED COUNTERWEIGHTS WIRING		SCALE		SHEET NO. 1 OF 1	
DRAWN S.G.M.		DATE 19-3-82		DRAWING NUMBER TCI 203 02 C	

42 INCH TELESCOPE
 TELESCOPE
 TELESCOPE



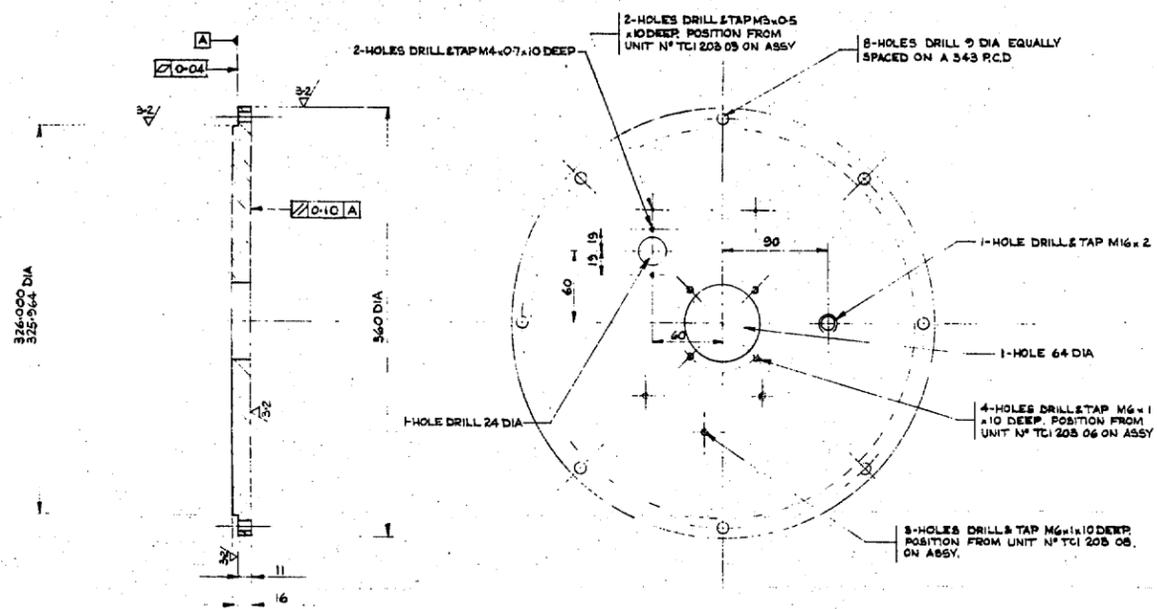
FREEMAN FOX & PARTNERS
APPROVED
 No. TCI 203 03 Rev. C
 Date 26-10-1982

FREEMAN FOX & PARTNERS
APPROVED
 No. TCI 203 03 Rev. B
 Date 22-9-1982

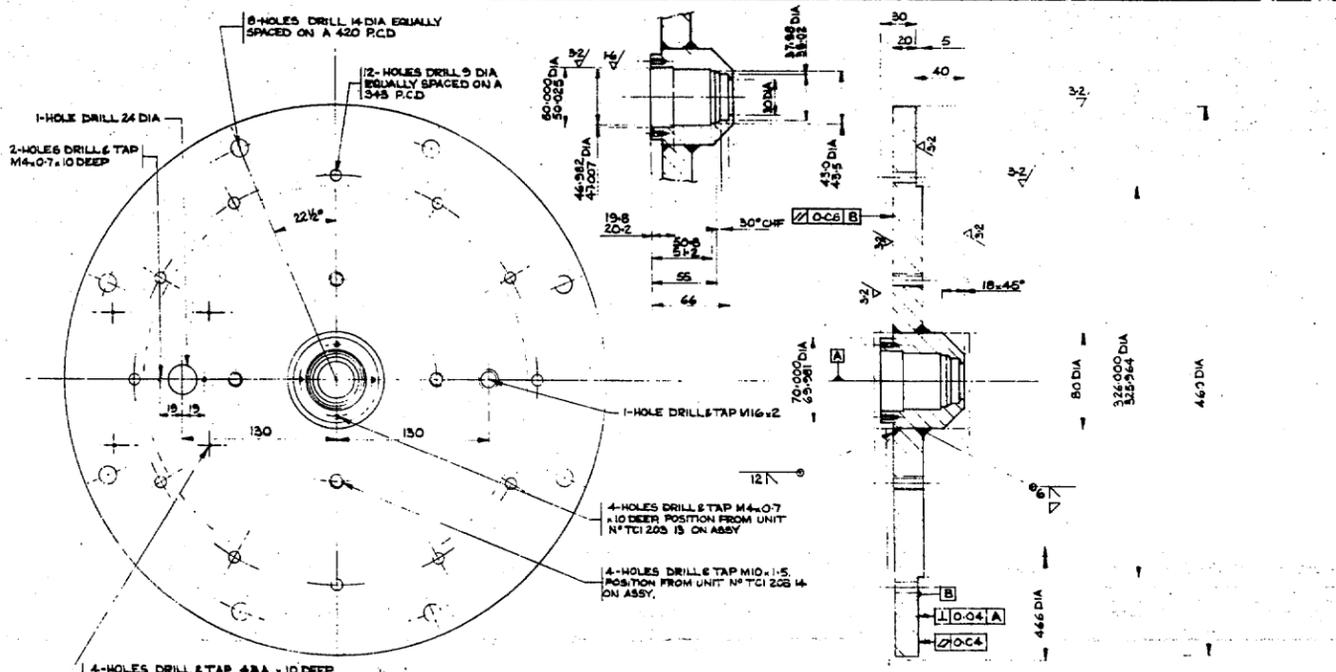
- NOTES**
1. MANUFACTURE IN ACCORDANCE WITH GRUBB PARSONS PURCHASE SPEC 6. STRESS RELIEF IS NOT REQUIRED.
 2. FABRICATION TOLERANCES AS PURCHASE SPEC 6 UNLESS STATED OTHERWISE ON DRAWING.
 3. STEEL PLATE TO BS 4360 GR 43A.
 4. STEEL TUBE TO BS 3607 OR EQUIVALENT.
 5. BLAST CLEAN & PRIME ALL SURFACES IN ACCORDANCE WITH GRUBB PARSONS PURCHASE SPEC 6.
 6. INSPECTION IN ACCORDANCE WITH GRUBB PARSONS QUALITY CONTROL SCHEDULE Q.C.S. 6/A.
 7. FINISH PAINT PALE GREEN 14C31 TO BS. 4800.

FREEMAN FOX & PARTNERS
APPROVED
 No. TCI 203 03 Rev. A
 Date 5-3-1982

DATE OF MODIFIED BY	DATE OF MODIFIED BY	FIRST MADE ORG. NO.	18764	MATERIAL	SEE ABOVE 3
		FIRST ISSUE DATE	8-3-82	FINISH	SEE ABOVE 6
		COST ACCOUNT	203	PART NO.	
		TITLE	2 METRE WILLIAM HERSCHEL TELESCOPE		
		WEIGHT	11.6 KG	SCALE	1/2
		NO. OFF PER SET	1	UNIT NO.	TCI 203 03



FREEMAN FOX & PARTNERS
APPROVED
 No. TCI 203 04 Rev. A
 Date 5-3-1982



FREEMAN FOX & PARTNERS
APPROVED
 No. TCI 203 05 Rev. A
 Date 5-3-1982

FREEMAN FOX & PARTNERS
APPROVED
 No. TCI 203 06 Rev. B
 Date 22-9-1982

- NOTES**
1. MANUFACTURE IN ACCORDANCE WITH GRUBB PARSONS PURCHASE SPEC 6. STRESS RELIEF IS NOT REQUIRED.
 2. FABRICATION TOLERANCES AS PURCHASE SPEC 6 UNLESS STATED OTHERWISE ON DRAWING.
 3. PRIME ALL SURFACES IN ACCORDANCE WITH GRUBB PARSONS PURCHASE SPEC 6.
 4. INSPECTION IN ACCORDANCE WITH GRUBB PARSONS QUALITY CONTROL SCHEDULE Q.C.S. 6/A.
 5. FINISH PAINT PALE GREEN 14C31 TO BS. 4800.

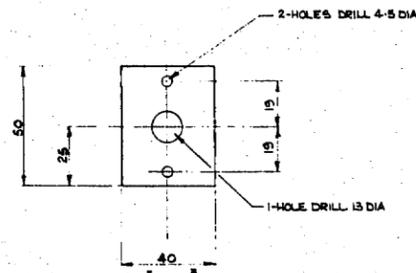
FREEMAN FOX & PARTNERS
APPROVED
 No. TCI 203 05 Rev. B
 Date 22-9-1982

FREEMAN FOX & PARTNERS
APPROVED
 No. TCI 203 06 Rev. A
 Date 22-9-1982

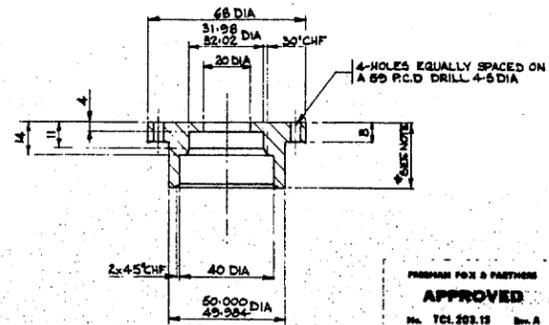
DATE OF MODIFIED BY	DATE OF MODIFIED BY	FIRST MADE ORG. NO.	18764	MATERIAL	BS 4360 GR 43A
		FIRST ISSUE DATE	8-3-82	FINISH	SEE ABOVE 5
		COST ACCOUNT	203	PART NO.	
		TITLE	2 METRE WILLIAM HERSCHEL TELESCOPE		
		WEIGHT	11.6 KG	SCALE	1/2
		NO. OFF PER SET	1	UNIT NO.	TCI 203 06

AS BUILT DRAWINGS
 This drawing shows all variations to the work.

2 METRE WILLIAM HERSCHEL TELESCOPE
 FOR
OBSERVATORIO DEL PUEBLO DE LOS MICHANOS
 T.A. CHILIA
 ROYAL OBSERVATORY



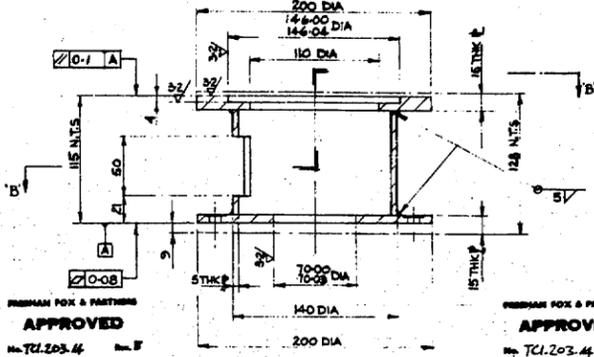
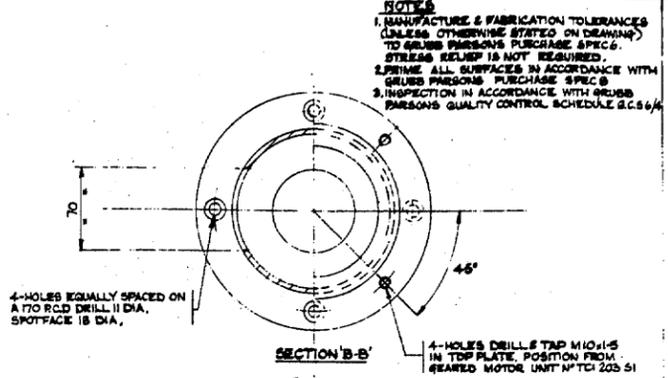
FREEMAN FOX & PARTNERS
APPROVED
 No. TCI.203.12 Rev. A
 Date 8-3-1982 by *fl*



FREEMAN FOX & PARTNERS
APPROVED
 No. TCI.203.13 Rev. A
 Date 8-3-1982 by *fl*

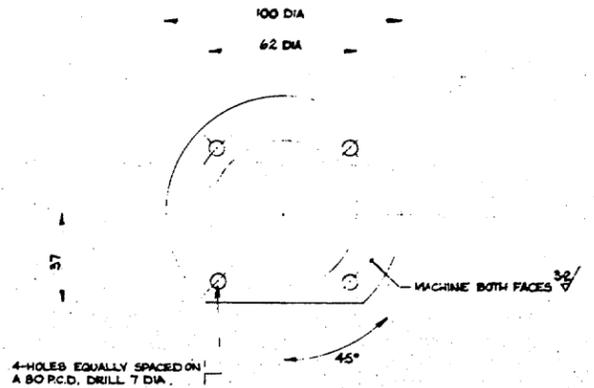
NOTE
 STARRED DIMENSION TO BE DETERMINED ON ASSY (27 NOM). FOR PURPOSES OF MANUFACTURE BEFORE ASSY THIS DIMENSION CAN BE MADE 30 AND TRIMMED TO SUIT ON ASSY.

MACHINE ∇ 32/ ALL OVER



FREEMAN FOX & PARTNERS
APPROVED
 No. TCI.203.14 Rev. B
 Date 26-10-1982 by *fl*

FREEMAN FOX & PARTNERS
APPROVED
 No. TCI.203.14 Rev. C
 Date 22-2-1983 by *fl*



FREEMAN FOX & PARTNERS
APPROVED
 No. TCI.203.15 Rev. A
 Date 8-3-1982 by *fl*

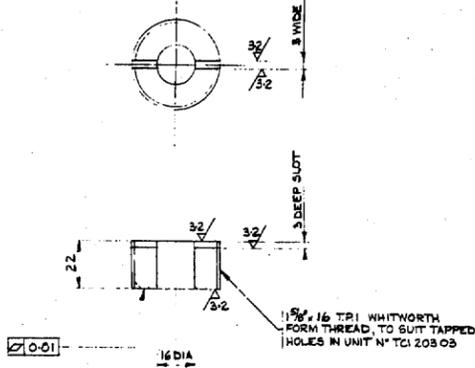
NOTE
 THICKNESS OF SHIM TO BE DETERMINED ON ASSY NOMINAL THICKNESS 6mm.

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118764	MATERIAL	Steel, White Phosph Not Combined Steel
		FIRST ISSUE DATE 8-3-82	FRESH	
		COST ACCOUNT 203	PART No.	
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE LIMIT SWITCH BRACKET		
		WEIGHT 0.042kg	SCALE 1/1	UNIT No. TCI 203 12
		No. OFF PER SET 2		ISSUE A

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118764	MATERIAL	201 Combined Steel
		FIRST ISSUE DATE 8-3-82	FRESH	
		COST ACCOUNT 203	PART No.	
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE Rotative Clamp		
		WEIGHT 0.02kg	SCALE 1/1	UNIT No. TCI 203 13
		No. OFF PER SET 1		ISSUE A

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118764	MATERIAL	Steel, 45 45 45
		FIRST ISSUE DATE 8-3-82	FRESH	
		COST ACCOUNT 203	PART No.	
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE Gearing Motor Mount		
		WEIGHT 8.70kg	SCALE 1/2	UNIT No. TCI 203 14
		No. OFF PER SET 1		ISSUE C

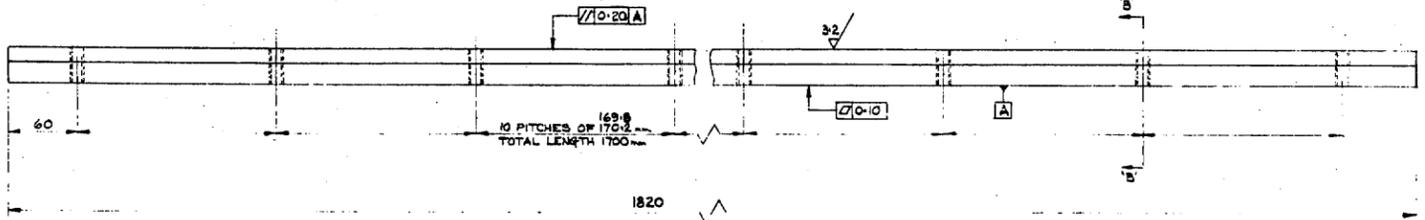
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118764	MATERIAL	201 Combined Steel
		FIRST ISSUE DATE 8-3-82	FRESH	
		COST ACCOUNT 203	PART No.	
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE Shim		
		WEIGHT	SCALE 1/1	UNIT No. TCI 203 15
		No. OFF PER SET 1		ISSUE A



FREEMAN FOX & PARTNERS
APPROVED
 No. TCI.203.16 Rev. C
 Date 26-10-1982 by *fl*

FREEMAN FOX & PARTNERS
APPROVED
 No. TCI.203.16 Rev. A
 Date 8-3-1982 by *fl*

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118764	MATERIAL	Lo' Carbon Steel
		FIRST ISSUE DATE	FRESH	Natural
		COST ACCOUNT 203	PART No.	
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE Adjusting Screen		
		WEIGHT 0.16kg	SCALE 1/1	UNIT No. TCI 203 16
		No. OFF PER SET 2		ISSUE 6

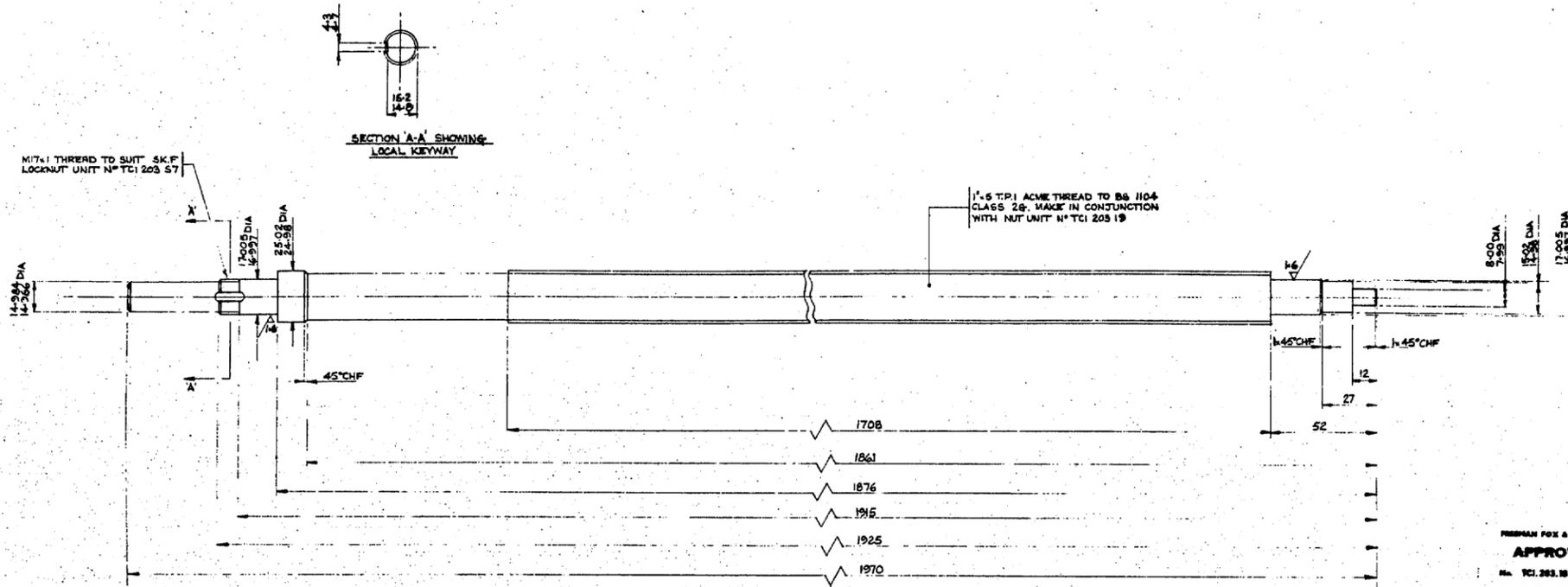


FREEMAN FOX & PARTNERS
APPROVED
 No. TCI.203.17 Rev. A
 Date 8-3-1982 by *fl*

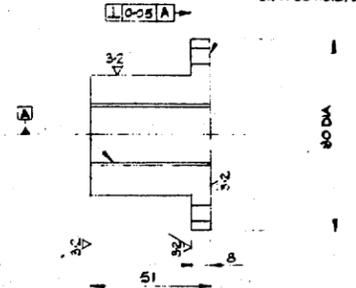
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118764	MATERIAL	Steel, E1 50 (1 1/2" Sq. Bar)
		FIRST ISSUE DATE	FRESH	Natural
		COST ACCOUNT 203	PART No.	
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE Bearing Track		
		WEIGHT 16.25kg	SCALE 1/2	UNIT No. TCI 203 17
		No. OFF PER SET 2		ISSUE A

AS BUILT DRAWINGS
 The drawing shows all dimensions in this unit

4.2 METRE WILLIAM HERSCHEL TELESCOPE
 FOR
OBSERVATORIO DEL FUOQUE DE LOS BARRIAJOS
 LA PALMA
 AND
ROYAL GREENWICH OBSERVATORY



1.6 T.P.I. ACME THREAD TO BS 1104 CLASS 2B. MAKE IN CONJUNCTION WITH LEAD SCREW UNIT N° TC1 203 19. 4 HOLES EQUALLY SPACED ON A 66 P.C.D. DRILL 6.6 DIA.



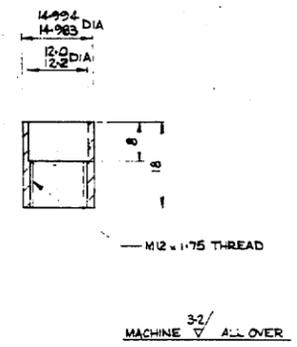
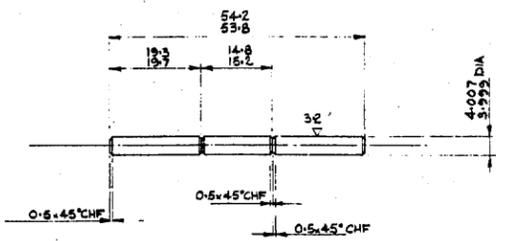
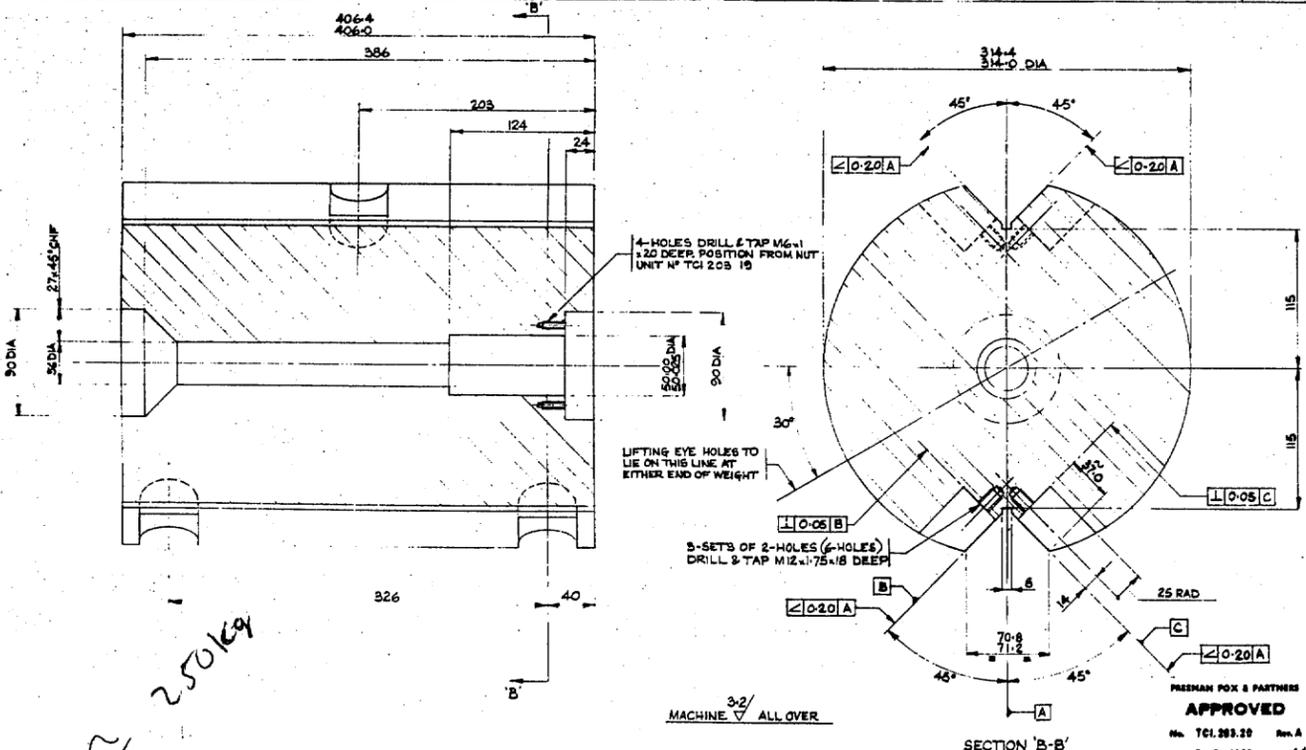
FREEMAN FOX & PARTNERS
APPROVED
No. TC1 203.18 Rev. A
Date 5-3-1962 by J.L.

FREEMAN FOX & PARTNERS
APPROVED
No. TC1 203.19 Rev. A
Date 5-3-1962 by J.L.

32/ MACHINE ALL OVER EXCEPT WHERE STATED OTHERWISE

DATE OF MOD. RECORDED BY	DATE OF MOD. RECORDED BY	FIRST MADE ORD. No.	MATERIAL	STYL. OR STD.
		118764	CRD M40	
		FIRST ISSUE DATE	FINISH	
		8-3-62	NATURAL	
		COST ACCOUNT	PART No.	
		203		
		TITLE	SCALE	UNIT No.
		LEAD SCREW	1/1	TC1 203 18
		WEIGHT	SCALE	UNIT No.
		4.25	1/1	TC1 203 18
		No. OFF PER SET		
		1		

DATE OF MOD. RECORDED BY	DATE OF MOD. RECORDED BY	FIRST MADE ORD. No.	MATERIAL	STYL. OR STD.
		118764	CRD M40	
		FIRST ISSUE DATE	FINISH	
		8-3-62	NATURAL	
		COST ACCOUNT	PART No.	
		203		
		TITLE	SCALE	UNIT No.
		NUT	1/1	TC1 203 19
		WEIGHT	SCALE	UNIT No.
		1.50	1/1	TC1 203 19
		No. OFF PER SET		
		1		



FREEMAN FOX & PARTNERS
APPROVED
No. TC1 203.21 Rev. A
Date 5-3-1962 by J.L.

FREEMAN FOX & PARTNERS
APPROVED
No. TC1 203.22 Rev. A
Date 5-3-1962 by J.L.

DATE OF MOD. RECORDED BY	DATE OF MOD. RECORDED BY	FIRST MADE ORD. No.	MATERIAL	STYL. OR STD.
		118764	BRONZE	
		FIRST ISSUE DATE	FINISH	
		8-3-62	NATURAL	
		COST ACCOUNT	PART No.	
		203		
		TITLE	SCALE	UNIT No.
		SHOULDER PIN	2/1	TC1 203 21
		WEIGHT	SCALE	UNIT No.
		2.1	1/1	TC1 203 21
		No. OFF PER SET		
		1		

DATE OF MOD. RECORDED BY	DATE OF MOD. RECORDED BY	FIRST MADE ORD. No.	MATERIAL	STYL. OR STD.
		118764	20' Carbon Steel	
		FIRST ISSUE DATE	FINISH	
		8-3-62	NATURAL	
		COST ACCOUNT	PART No.	
		203		
		TITLE	SCALE	UNIT No.
		BEAT SLOPE	2A	TC1 203 22
		WEIGHT	SCALE	UNIT No.
		6	1/1	TC1 203 22
		No. OFF PER SET		
		1		

NOTE
LIFTING HOLES SIZE & POSITION TO BE DECIDED BY SHOPS WHEN ASSEMBLING.

DATE OF MOD. RECORDED BY	DATE OF MOD. RECORDED BY	FIRST MADE ORD. No.	MATERIAL	STYL. OR STD.
		118764	20' Carbon Steel	
		FIRST ISSUE DATE	FINISH	
		8-3-62	NATURAL	
		COST ACCOUNT	PART No.	
		203		
		TITLE	SCALE	UNIT No.
		COUNTERWEIGHT	1/2	TC1 203 20
		WEIGHT	SCALE	UNIT No.
		228.5	1/2	TC1 203 20
		No. OFF PER SET		
		1		

4.2 METRE WILLIAM HERSCHEL TELESCOPE
FOR
OBSERVATORIO DEL ROQUE DE LOS MUJACOS
LA PALMA
ROYAL GREENWICH OBSERVATORY