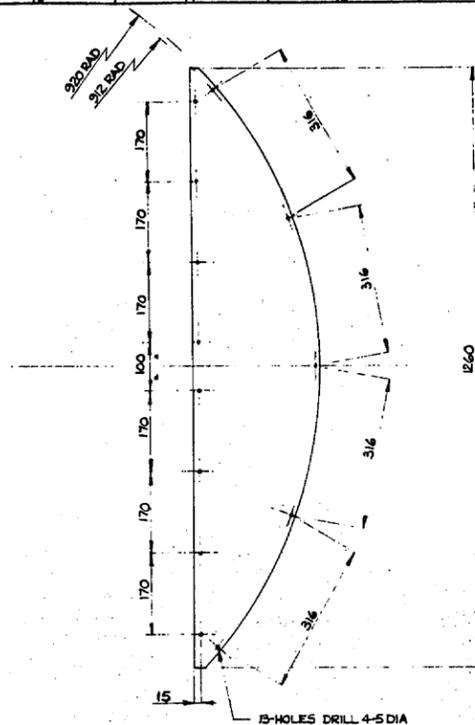


FREEMAN FOX & PARTNERS
APPROVED
 No. TC1 271 04 Rev. A
 Date 2.7.1982 by *jl*

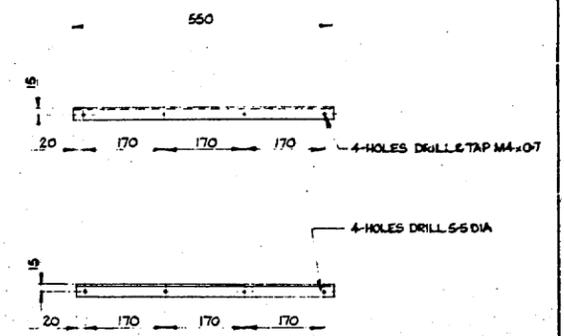
ALL JOINTS TO BE SILVER SOLDERED
 (LAP PLATES IF NECESSARY)

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118764	MATERIAL 20 S.M.S. STEEL SHEET
		FIRST ISSUE DATE	FINISH
		COST ACCOUNT 271	PATT No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE ENCODER ASSEMBLY COVER	
		WEIGHT 1.08kg	SCALE 1/2
		UNIT No. TC1 271 04	ISSUE A



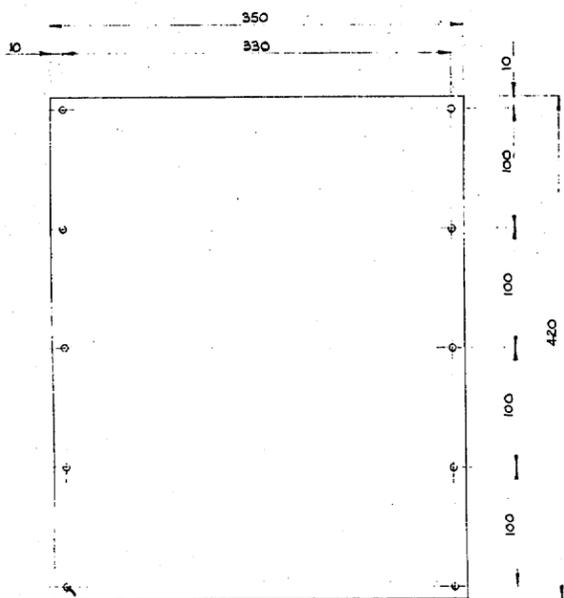
FREEMAN FOX & PARTNERS
APPROVED
 No. TC1 271 05 Rev. A
 Date 2.7.1982 by *jl*

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118764	MATERIAL 20 S.M.S. STEEL SHEET
		FIRST ISSUE DATE	FINISH
		COST ACCOUNT 271	PATT No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE COVER PLATE	
		WEIGHT 3.0kg	SCALE 1/5
		UNIT No. TC1 271 05	ISSUE A



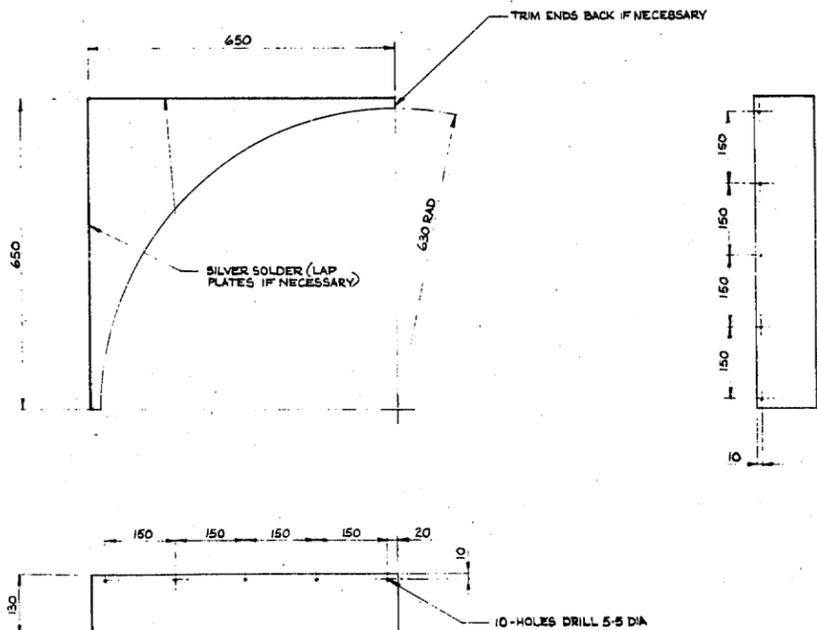
FREEMAN FOX & PARTNERS
APPROVED
 No. TC1 271 06 Rev. A
 Date 2.7.1982 by *jl*

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118764	MATERIAL 20 S.M.S. STEEL SHEET
		FIRST ISSUE DATE	FINISH
		COST ACCOUNT 271	PATT No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE SUPPORT ANGLE	
		WEIGHT 0.97kg	SCALE 1/5
		UNIT No. TC1 271 06	ISSUE A



FREEMAN FOX & PARTNERS
APPROVED
 No. TC1 271 07 Rev. A
 Date 2.7.1982 by *jl*

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118764	MATERIAL 1/4" THK MILD STEEL SHEET
		FIRST ISSUE DATE	FINISH
		COST ACCOUNT 271	PATT No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE MOTOR COVER	
		WEIGHT 1.8kg	SCALE 1/2
		UNIT No. TC1 271 07	ISSUE A



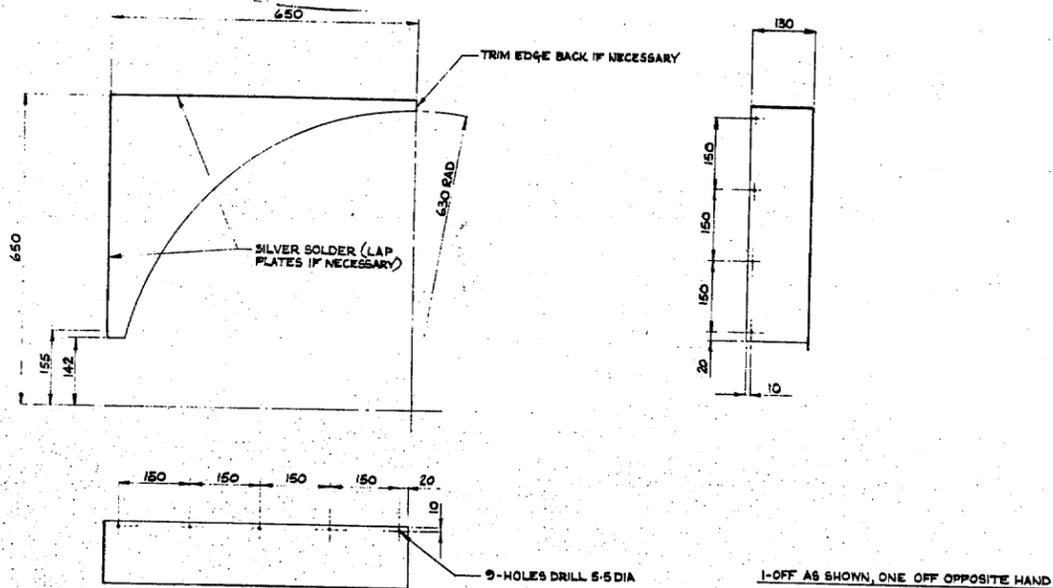
FREEMAN FOX & PARTNERS
APPROVED
 No. TC1 271 08 Rev. A
 Date 2.7.1982 by *jl*

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 118764	MATERIAL 20 S.M.S. STEEL SHEET
		FIRST ISSUE DATE	FINISH
		COST ACCOUNT 271	PATT No.
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	TITLE CLASS TRANSMISSION GEAR COVER	
		WEIGHT 2.0kg	SCALE 1/5
		UNIT No. TC1 271 08	ISSUE A

SEE OTHER SHEET OF DETAILS FOR
 UNIT N^o 271 09 ONWARDS.

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

4.2 METRE WILLIAMS REFLECTOR
 GRUBB PARSONS
 NEWCASTLE UPON TYNE, ENGLAND



FRESHMAN FOX & PARTNERS
APPROVED
 No. TCI 271 09 Rev. A
 Date 2.7.1982 *WJL*

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 18764	MATERIAL 20 S.L.P. H. STEEL SHEET
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST ISSUE DATE	FINISH
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	COST ACCOUNT 271	PART No.
TITLE Cass Telescope Gaze Cover			
WEIGHT 2.0 Kg		SCALE 1/5	UNIT No. TCI 271 09
No. OFF PER SET			ISSUE A

* ALL HOLES AT ENDS OF COVER (6-OFF) TO BE DRILLED IN CONJUNCTION WITH OTHER UNITS OF THIS NUMBER & UNIT N° TCI 271 11 & 12 WHEN SETTING UP ON ASSY.

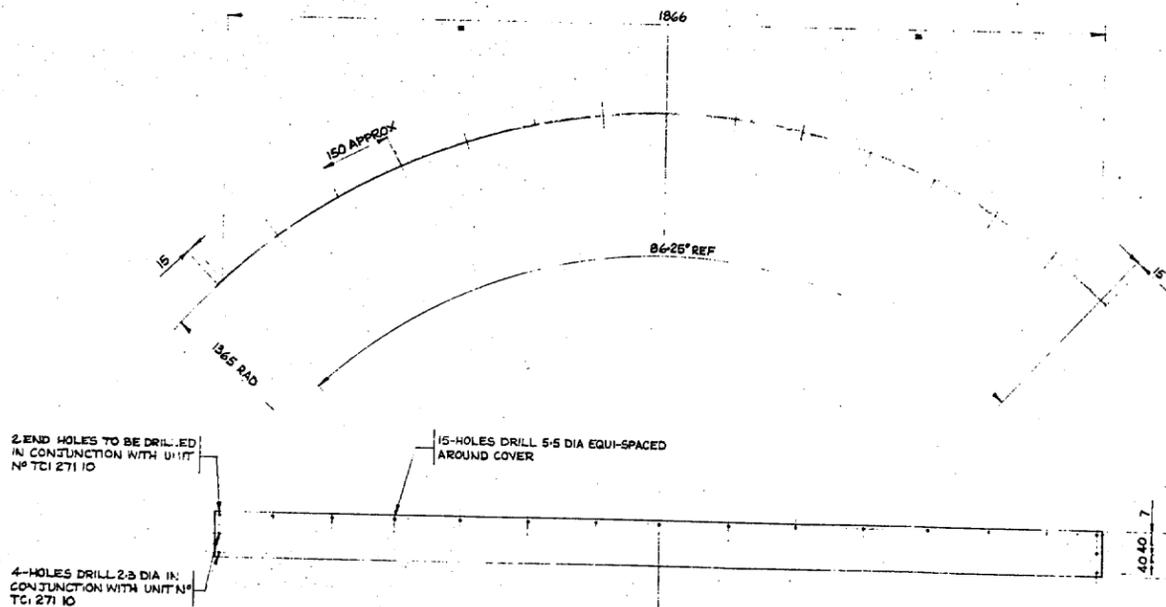
* 4-HOLES DRILL 2.3 DIA

15-HOLES DRILL 5.5 DIA EQUI-SPACED AROUND COVER

NOTES
 1. ALL SIZES TO BE CHECKED FROM MIRROR CELL EXTENSION UNIT N° TCI 271 03 BEFORE MANUFACTURE OF COVER PLATE
 2. DEVELOPED LENGTH OF PLATE = 2085 mm
 3. 2 OFF AS SHOWN, 1 OFF OPPOSITE HAND

FRESHMAN FOX & PARTNERS
APPROVED
 No. TCI 271 10 Rev. A
 Date 2.7.1982 *WJL*

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 18764	MATERIAL 20 S.L.P. H. STEEL SHEET
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST ISSUE DATE	FINISH
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	COST ACCOUNT 271	PART No.
TITLE Cass Cabletop Gaze Guard			
WEIGHT 1.44 Kg		SCALE 1/5	UNIT No. TCI 271 10
No. OFF PER SET			ISSUE A

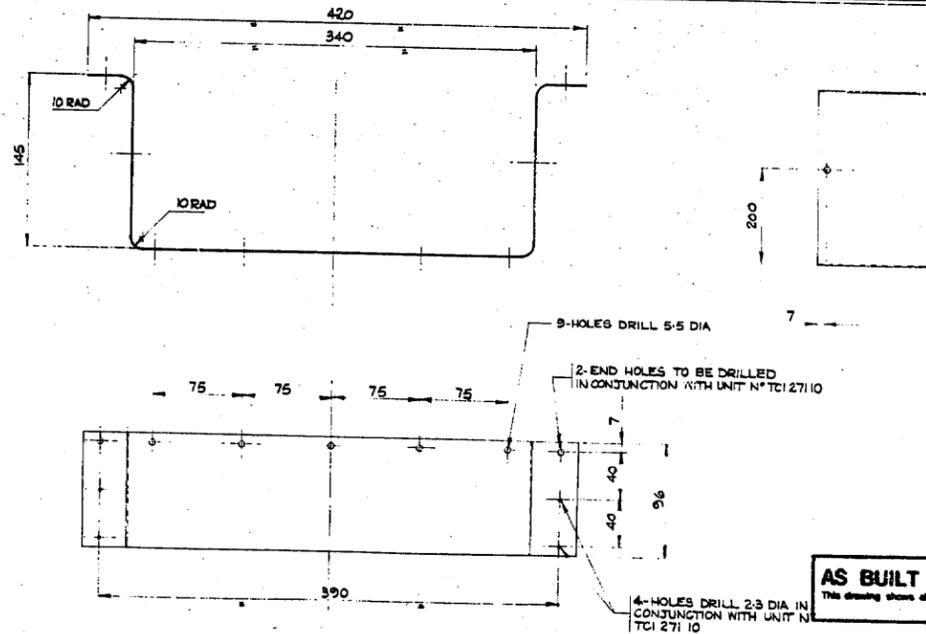


FRESHMAN FOX & PARTNERS
APPROVED
 No. TCI 271 11 Rev. A
 Date 2.7.1982 *WJL*

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 18764	MATERIAL 20 S.L.P. H. STEEL SHEET
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST ISSUE DATE	FINISH
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	COST ACCOUNT 271	PART No.
TITLE Cass Cabletop Gaze Guard			
WEIGHT 1.44 Kg		SCALE 1/5	UNIT No. TCI 271 11
No. OFF PER SET			ISSUE A

NOTES
 1. ALL SIZES TO BE CHECKED FROM MIRROR CELL EXTENSION UNIT N° TCI 271 03 BEFORE MANUFACTURE OF COVER PLATE
 2. DEVELOPED LENGTH OF PLATE = 2085 mm

NOTES
 1. ALL SIZES TO BE CHECKED FROM MIRROR CELL EXTENSION UNIT N° TCI 271 03 BEFORE MANUFACTURE OF COVER PLATE
 2. DEVELOPED LENGTH OF PLATE = 693 mm

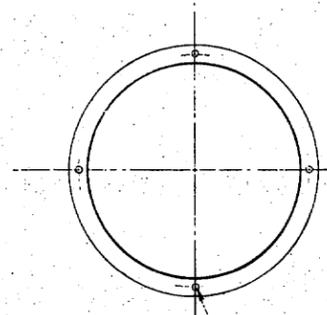


AS BUILT DRAWINGS
 This drawing shows all resources to this work

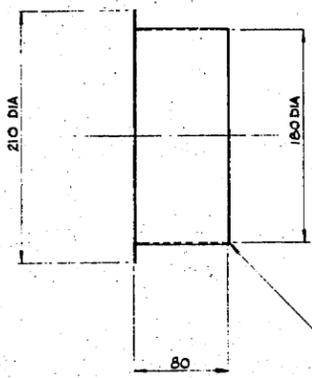
FRESHMAN FOX & PARTNERS
APPROVED
 No. TCI 271 12 Rev. A
 Date 2.7.1982 *WJL*

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No. 18764	MATERIAL 20 S.L.P. H. STEEL SHEET
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST ISSUE DATE	FINISH
DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	COST ACCOUNT 271	PART No.
TITLE Cass Cabletop Gaze Guard			
WEIGHT 0.48 Kg		SCALE 1/2	UNIT No. TCI 271 12
No. OFF PER SET			ISSUE A

42 METRE WILLIAM HERSCHEL TELESCOPE
 FOR OBSERVATION DEL COMAR DE LOS ANDES
 LA PALMA
 ROYAL GREEN



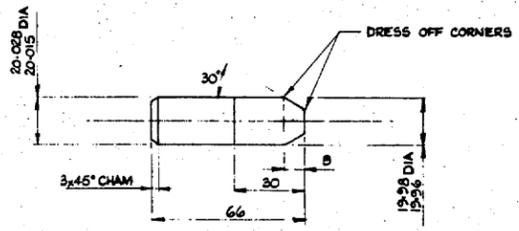
4-HOLES DRILL 5.5 DIA EQUI-SPACED ON A 196 P.C.D.



SILVER SOLDER ALL JOINTS

FREEMAN FOX & PARTNERS
APPROVED
 No. TCI 271 13 Rev. B
 Date 22-5-1982 *WJL*

FREEMAN FOX & PARTNERS
APPROVED
 No. TCI 271 15 Rev. A
 Date 2.7.1982 *WJL*



DRESS OFF CORNERS

FREEMAN FOX & PARTNERS
APPROVED
 No. TCI 271 14 Rev. A
 Date 2.7.1982 *WJL*

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No.	MATERIAL	20 S18 MLD SPECIAL ORDER
		FIRST ISSUE DATE	FINISH	UNFINISHED
		COST ACCOUNT	PART No.	
		TITLE CASS TELESCOPE MIRROR COVER		
		WEIGHT	SCALE	UNIT No.
		No. OFF PER SET	1/2	TCI 271 13

DATE OF MOD MODIFIED BY	DATE OF MOD MODIFIED BY	FIRST MADE ORD No.	MATERIAL	BS 970 Free Cut 1.070 SPECIAL ORDER
		FIRST ISSUE DATE	FINISH	NEEDLE
		COST ACCOUNT	PART No.	
		TITLE DOME L		
		WEIGHT	SCALE	UNIT No.
		No. OFF PER SET	1/1	TCI 271 14

AS BUILT DRAWINGS
 This drawing shows all dimensions to this work

4.2 METRE WILLIAM HERSCHEL TELESCOPE
 FOR
 OBSERVATORIO DEL ROYAL DE LOS LABORIOS
 LA PALMA
 1980
 ROYAL GREENWICH OBSERVATORY

Surface Finish Equivalents MICROMETRES 4 8 16 32 63 125 250 500 MICROINCHES 1 2 4 8 16 32 63 125 THIS DRAWING CONFORMS TO B.S. 308	Surface Finish Symbols DENOTES NOT NECESSARILY MACHINED DENOTES MACHINED	Weld Symbols TO BS 499 PART 2 1980	Fabrication Tolerances DIMENSIONS UP TO 250 ± 0.20 DIMENSIONS FROM 250 TO 2400 ± 0.30 ANGLE ± 1.600 STRAIGHTNESS / FLATNESS 1:600	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.	General Machining Tolerances (EXCEPT WHERE STATED OTHERWISE) UNFINISHED DIMENSIONS ± 0.2 DIMENSIONS WITH OVER AND DECIMAL SIGN ± 0.1 DIMENSIONS WITH AND DECIMAL SIGN ± 0.1	ALL DIMENSIONS ARE IN MILLIMETRES ANGLES ± SCREW THREADS TO B.S. 3843 PART 2 MEDIUM FIT MACHINED DIA CONCENTRIC TO 0.1 T.D.	PROJECTION CHECKED 3rd ANGLE DATE 13-5-82	DRAWN A BROWN DATE 13-5-82	GRUBB PARSONS NEWCASTLE UPON TYNE NEG 2VB TITLE DETAILS FOR PRIMARY MIRROR CELL EXTENSION SCALE TCI 271 13-14	SHEET -- OF -- DRAWING NUMBER SERIE