

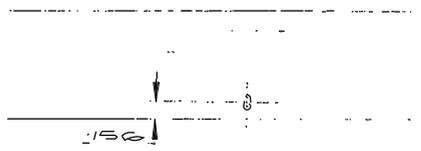
11 HOLES 1/8" C/BORE 3/16" X 1/16" ITF SPACED AT 30° ON 4.562 RCD.

167, C/BORE 25" X 3/8" ITF

3 HOLES TAD 4 BA.

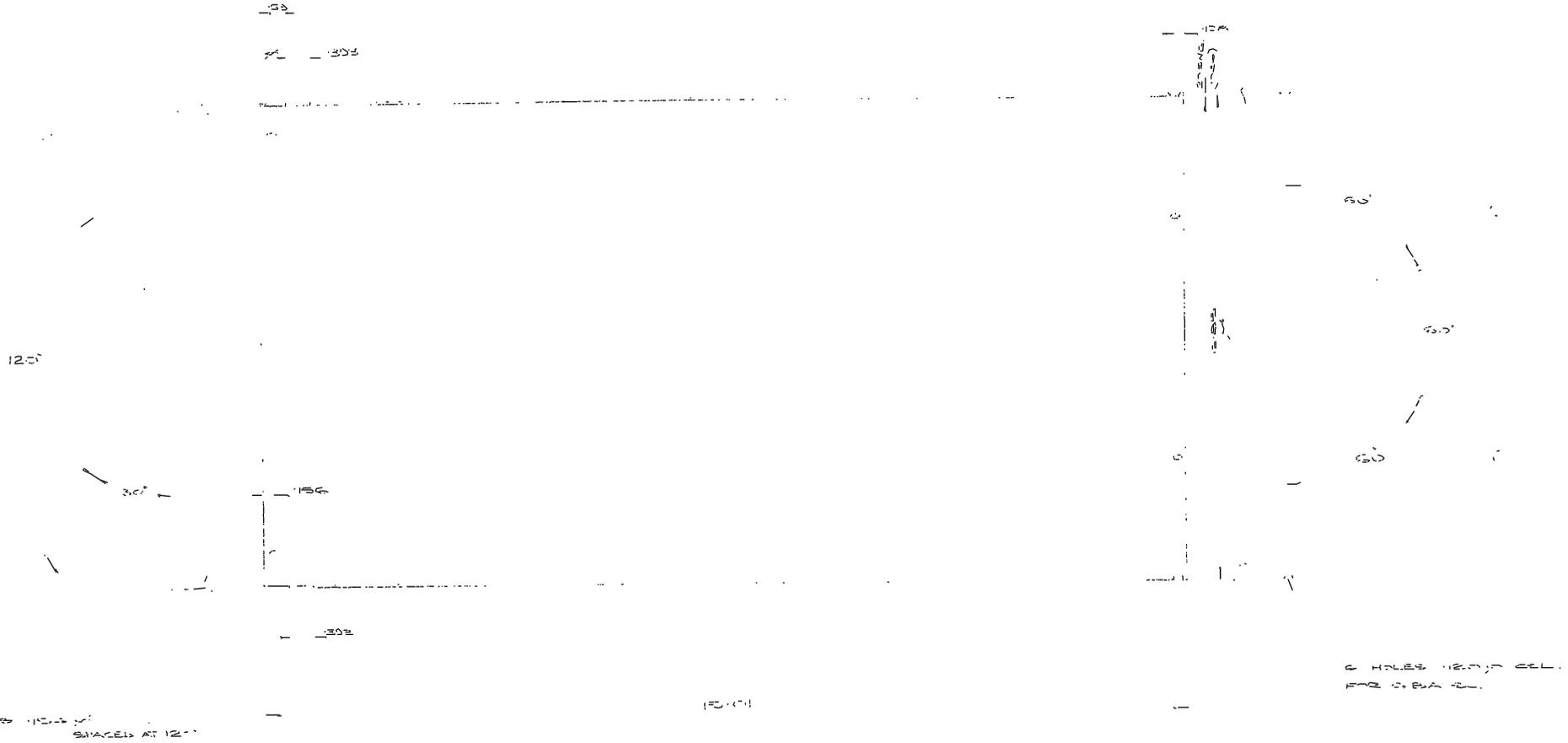
120°

120°



				Tols. (unless otherwise stated.)	Material BRASS		
				Decimals: ±.005	Finish	Drg. No.	No. Req.
Issue	Mod. No.	Date	Drawn by	Fractions: ±1/64		Used on X.5199	
Dimns. in ins.				Scale: 1:1			
Royal Greenwich Observatory, Herstmonceux Castle, Hailsham				Sussex.			
Title MK III SOLENOID OUTER COOLING FLANGE						Drawing No. Y.5202	

DRG. No.
X.5200

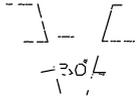


				TOLS. (UNLESS OTHERWISE STATED)	MATERIAL		
					27 SWG. NICKEL		
				FRACTIONS: 1/2, 1/4	FINISH	DRG. No. No. REC.	
				DECIMALS: 0.001	CLEAN	USED ON	
				THIRD ANGLE PROJECTION			
ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM,				TITLE MK III SLEEVES, INNER NICKEL SCREEN		DRAWING No. X.5200	
SCALE: 1:1							

DRG. No.

X. 5199

.25



X. 4153

X. 5201

X. 5270

Y. 5275

* X. 5081: INTERFACE (NOT SHOWN)

Y. 5202

Z. 4161

COPPER TUBE 1/4 OD x 20 SWG. NB THESE TUBES ARE AT 90° TO THE POSITIONS SHOWN ON THIS DRG.

MARK THIS TUBE WITH ARROW TO INDICATE DIRECTION OF FLOW

X. 4164

E.M.I. F.H.C.S.

5.037

* X. 5600: IMAGE T. RETAINER (NOT SHOWN)

2.75 I.T.L.

TERMINATE BOTH TUBES JUST SHORT OF FLANGE FACE

* ONE TO BE MADE FOR EACH SOLENOID.

Handwritten note: 1/2" dia. hole in plate

COIL Y. 5203

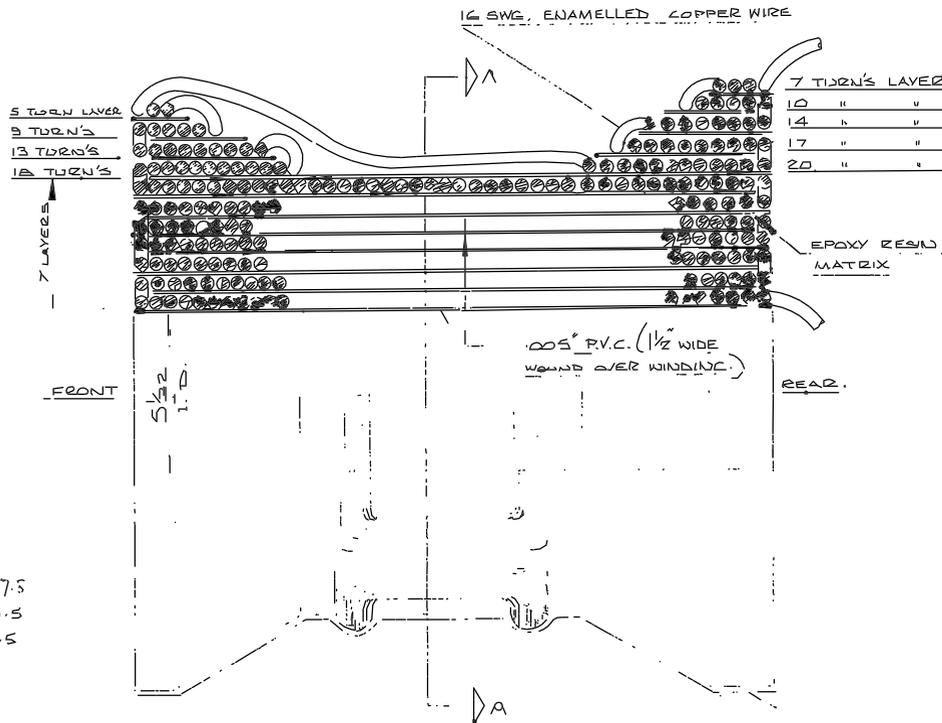
TUBE 1/4" OD, 1/2" I.D. LENGTH: 13.55 BRASS.

TUBE 1/4" OD, 1/2" I.D. LENGTH: 13.557 BRASS.

				TOLS. (UNLESS OTHERWISE STATED)	MATERIAL		
				FRACTIONS.	FINISH		
				DECIMALS:			
ISSUE	MOD. No.	DATE	DRAWN BY	THIRD ANGLE PROJECTION			
DIMNS. IN INS. SCALE: 1:1				ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM, SUSSEX.			
				TITLE			
				✓ MK III SOLENOID			
						DRAWING No.	
						X5199	

DIAGRAMATIC SECTION DRG.

NOTE: SCAN COILS NOT SHOWN IN SECTION

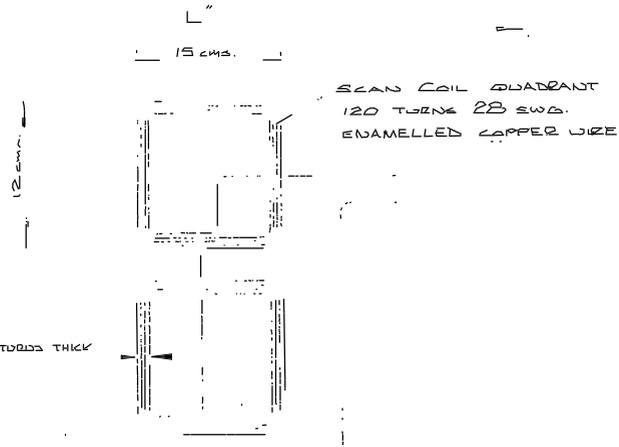


5.5 127.5
12 x 16 wire 19.5
12 x 12.5 1.5

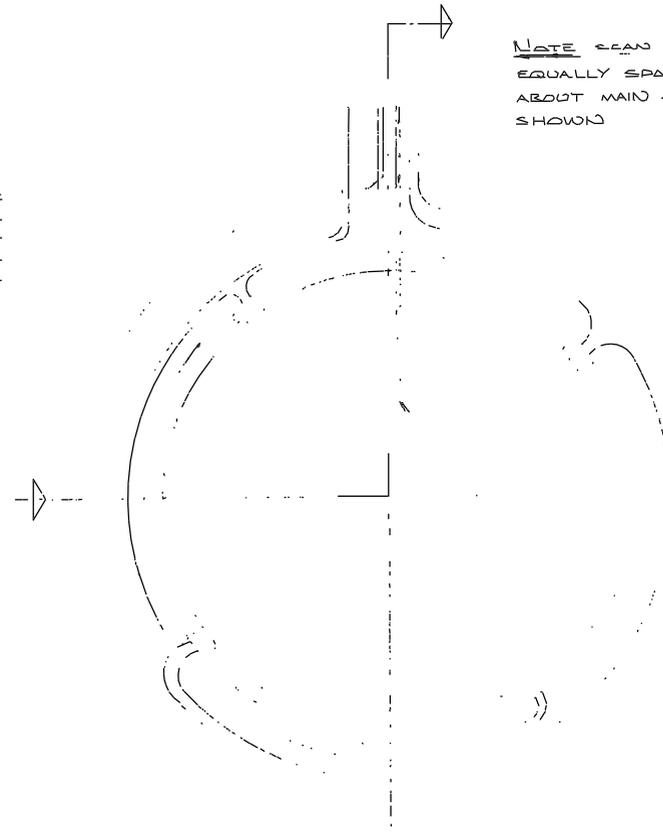
Non radi of coil.

$63.3 = 19.5 + 1.5$

+ allow for the main coil
+ allow for tape interlocking
= 66.0



NOTE: SCAN COILS TO BE EQUALLY SPACED & SYMMETRICAL ABOUT MAIN COIL LEADS AS SHOWN



SECTION A-A

NOTE: COIL ASSEMBLY TO BE PROTECTED WITH ONE LAYER OF INSULATING TAPE

- L = 342 mm. FOR SOLENOID MK II (A.A.T)
- L = 357 mm " " MK III (UNIT SPEC.)
- L = 357 mm " " UNIVERSAL

				Tols. (unless otherwise stated)	Material		
				Decimals:	Finish	Drg. No.	No. Req.
Issue	Mod. No.	Date	Drawn by	Fractions:		Used on 1/24/66	
Dimns. in ins.		Scale: $\frac{1}{2}$		THIRD ANGLE PROJECTION.			
Royal Greenwich Observatory, Hersimonceaux Castle, Hailsham Sussex.				Title SOLENOID COIL		Drawing No. Y.5203	