

TUBES MUST BE MADE & ASSEMBLED IN FINISHED MATRIX SO THAT THE DIMENSIONS OVER THE ENDS OF ANY 10 CONTIGUOUS TUBES ARE WITHIN THE FOLLOWING LIMITS 61.5 M/M, 63.5 M/M.

SCALE 10/1

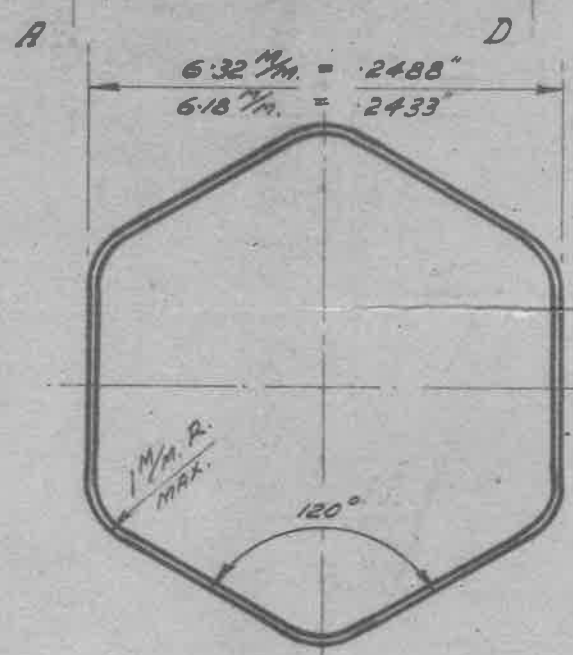
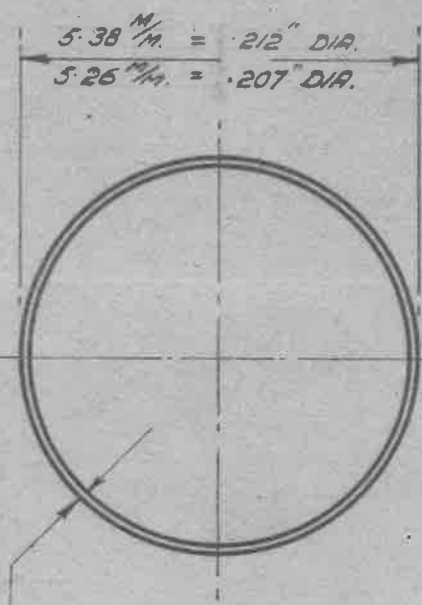
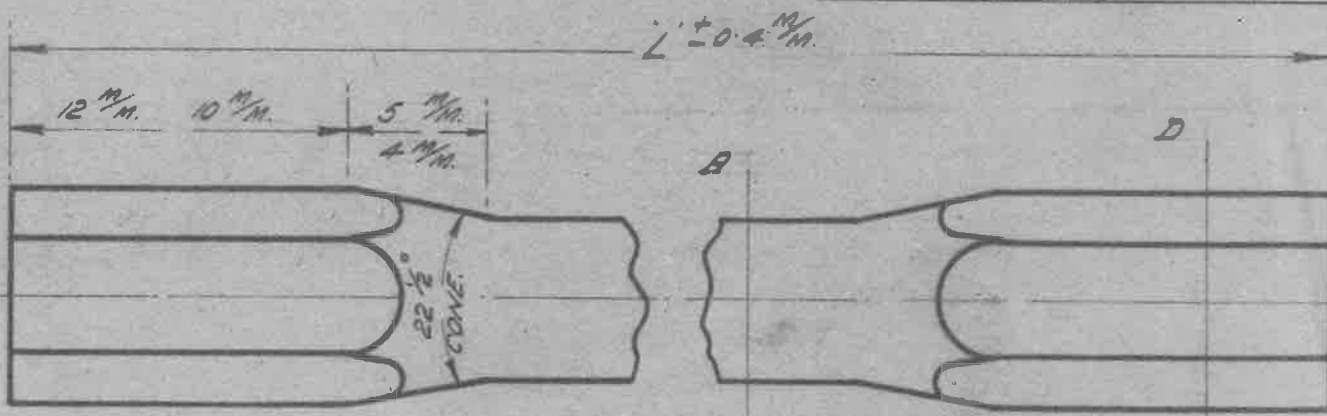
ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT	TITLE:- STANDARD TUBES FOR OIL COOLERS. ASSEMBLY OF TUBES				DRAWN	TRACED L. COOK 26.7.48
	ISSUE N°	1 3/3AT			CHECKED <i>[Signature]</i>	APPROVED
	ALTER N°	MOD N° ACS 626				

BASED ON I.C.I. DRGS. S.D. 88/C & S.D. 151/C.

MINISTRY OF AIRCRAFT PRODUCTION. AGS. N° 10

SHEET N° 2.

N° OF SHEETS. 7.



THICKNESS OF TUBE ON THIS SECTION TO BE BETWEEN .140 mm = .0055" AND .114 mm = .0045."

SECTION A-A

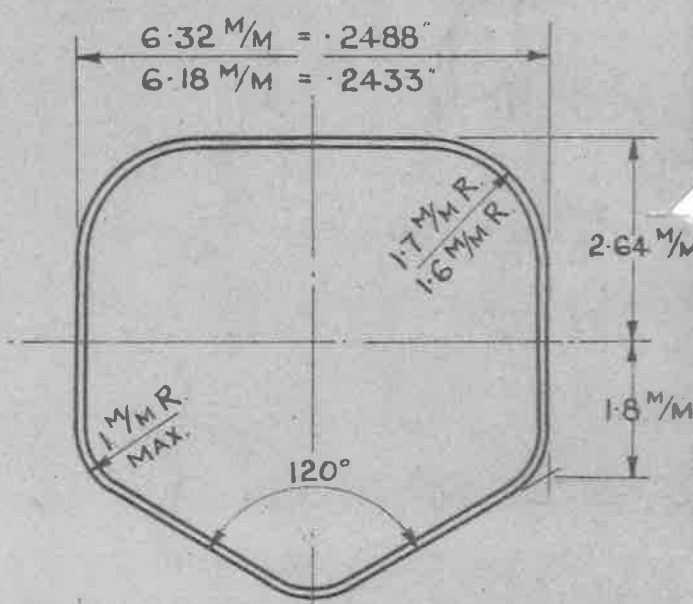
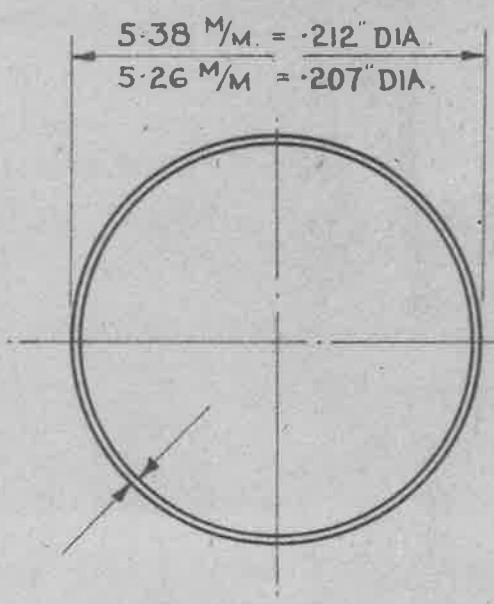
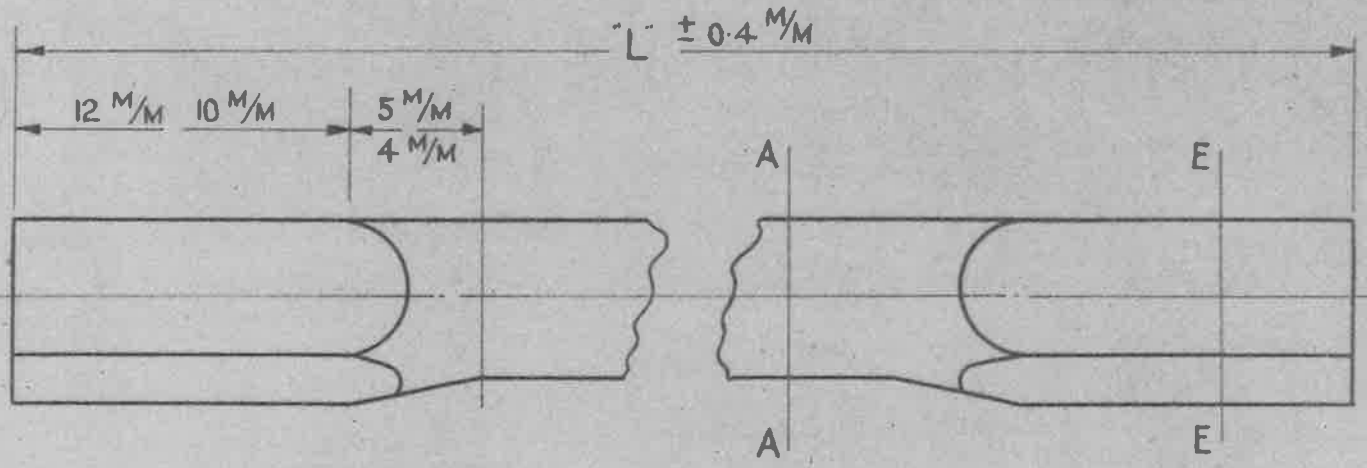
SECTION D-D

SCALE: -  $\frac{4}{1}$  &  $\frac{10}{1}$

MATERIAL: - TUBES SHALL COMPLY WITH SPEC. D.T.D. 387 (LATEST ISSUE)

ITEM N°	LENGTH L	NUMBER PER LB.	ITEM N°	LENGTH L	NUMBER PER LB.
1A	9"	90 TO 105.			
1B	11"	75 TO 90.			
1C	300 mm.	70 TO 85.			
1D	320 mm.	65 TO 80.			

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT	TITLE: -	DRAWN.	TRACED. J. MATTHEWS. 12.5.48.
	STANDARD TUBES FOR OIL COOLERS, HEXAGON ENDS.		
	ISSUE N°	CHECKED.	APPROVED.
	1 31.3.47		



THICKNESS OF TUBE ON THIS SECTION  
TO BE BETWEEN .140 M/M = .0055  
AND .114 M/M = .0045

SECTION A A

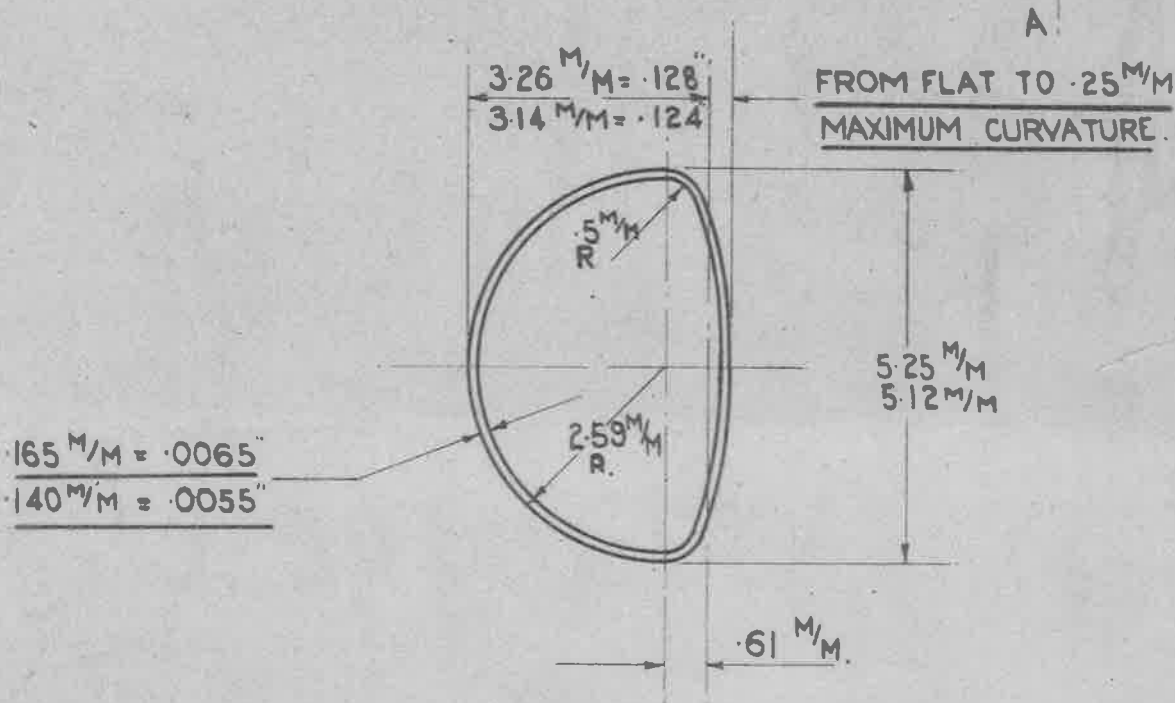
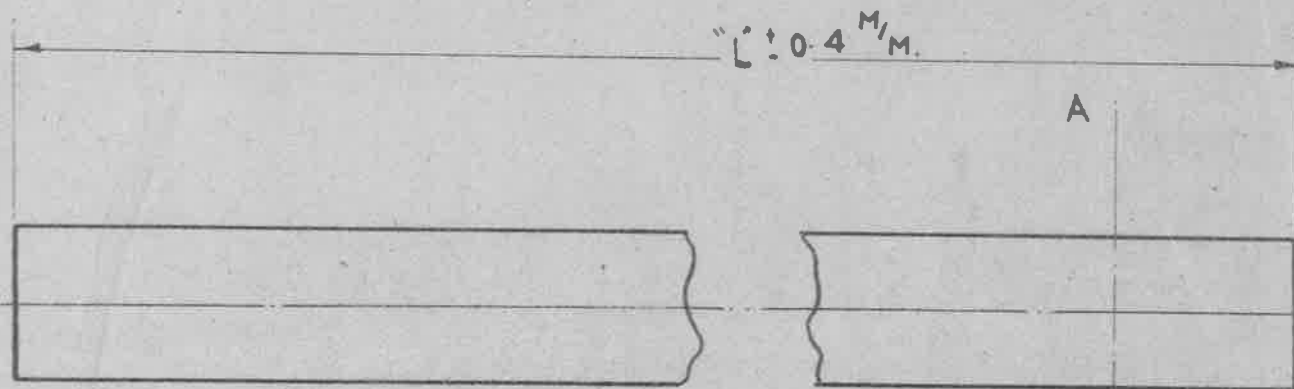
SECTION E E

SCALE - 4/1 & 10/1

MATERIAL - TUBES SHALL COMPLY WITH SPEC: D.T.D. 387 (LATEST ISSUE)

ITEM N°	LENGTH "L"	NUMBER PER LB.	ITEM N°	LENGTH "L"	NUMBER PER LB.
2A	9"	90 TO 105			
2B	11"	75 TO 90			
2C	300 M/M	70 TO 85			
2D	320 M/M	65 TO 80			
2E	7 1/2"	115 TO 140			

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT	TITLE:- STANDARD TUBES FOR OIL COOLERS PENTAGON ENDS				DRAWN	TRACED L. COOK 27 7 48
	ISSUE N°	1 31/3/47			CHECKED	APPROVE
	ALTER N°	MOD. N° ACS/626				



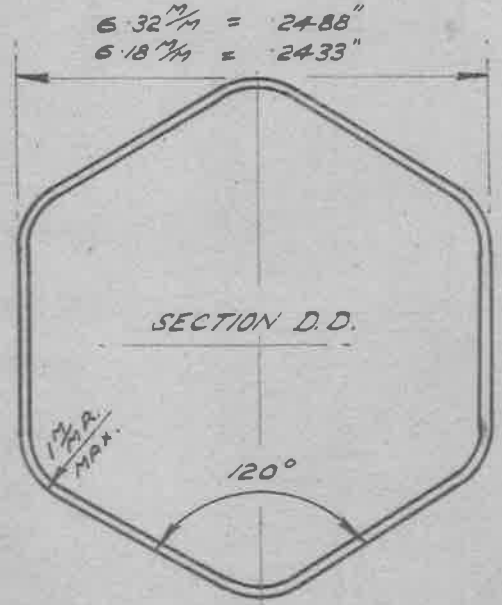
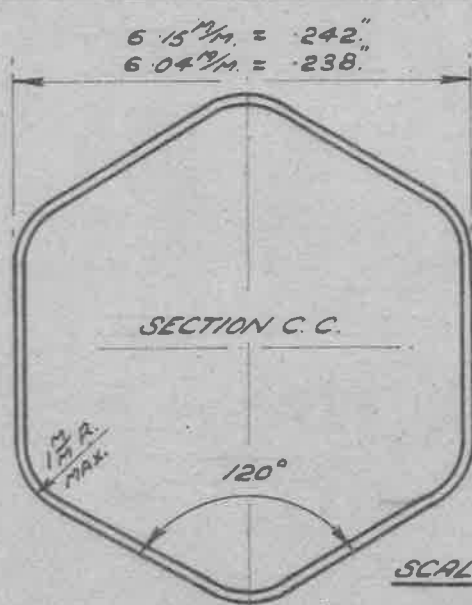
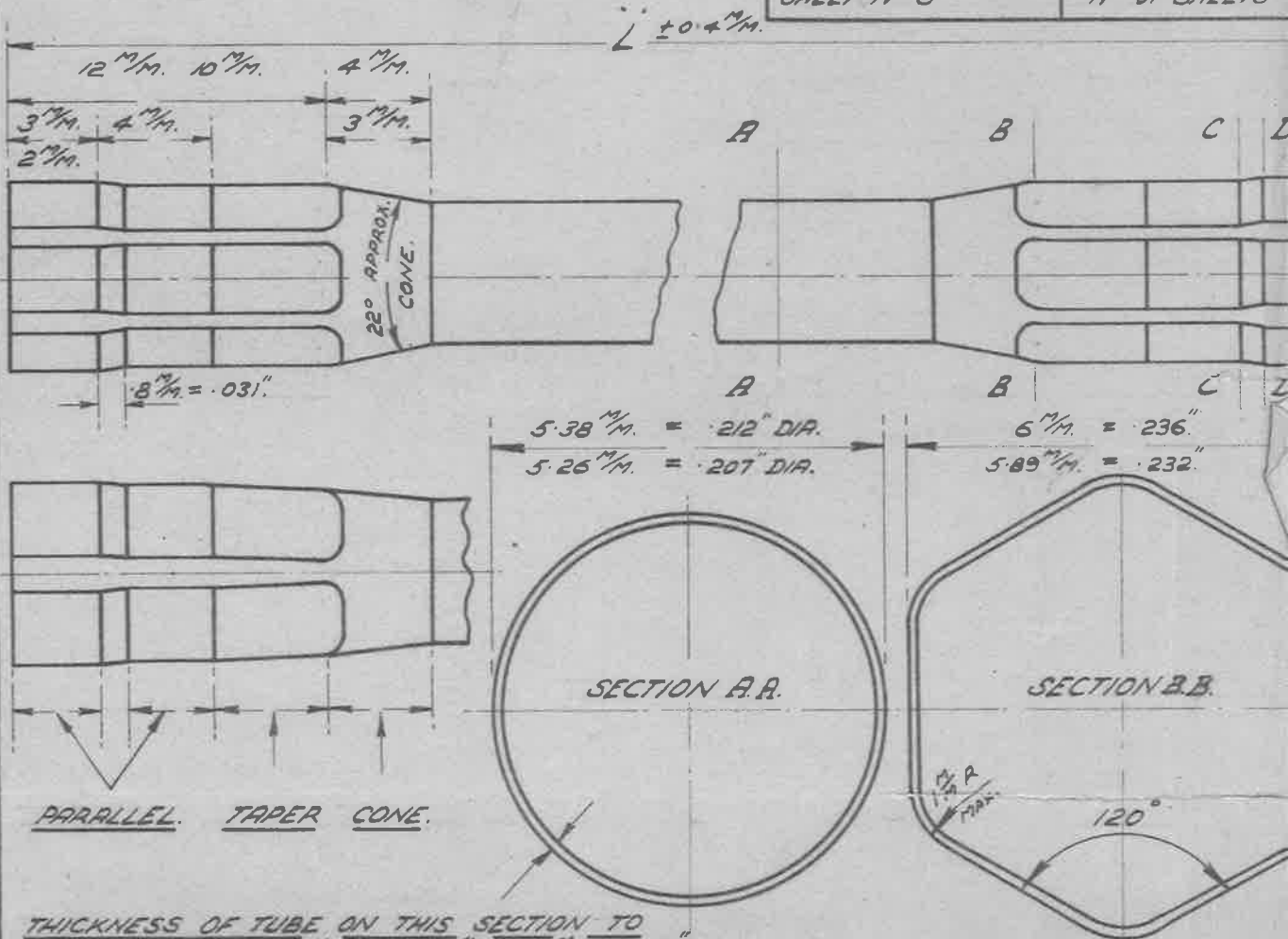
SECTION A.A

SCALE:  $\frac{4}{1}$  &  $\frac{10}{1}$

MATERIAL :- TUBES SHALL COMPLY WITH SPEC. D.T.D.387 (LATEST ISSUE)

ITEM N°	LENGTH "L"	NUMBER PER LB.	ITEM N°	LENGTH "L"	NUMBER PER LB.
3A	9"	90 TO 105			
3B	11"	75 TO 90			
3C	300 M/M	70 TO 85			
3D	320 M/M	65 TO 80			
3E	7 1/2"	115 TO 140			

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT.	TITLE:- STANDARD TUBES FOR OIL COOLERS HALF TUBE				DRAWN	TRACED J HARRIS 30: 7: 48
	ISSUE N°	1				
	ALTERN. N°	MDD. N° A.G.S. 626				

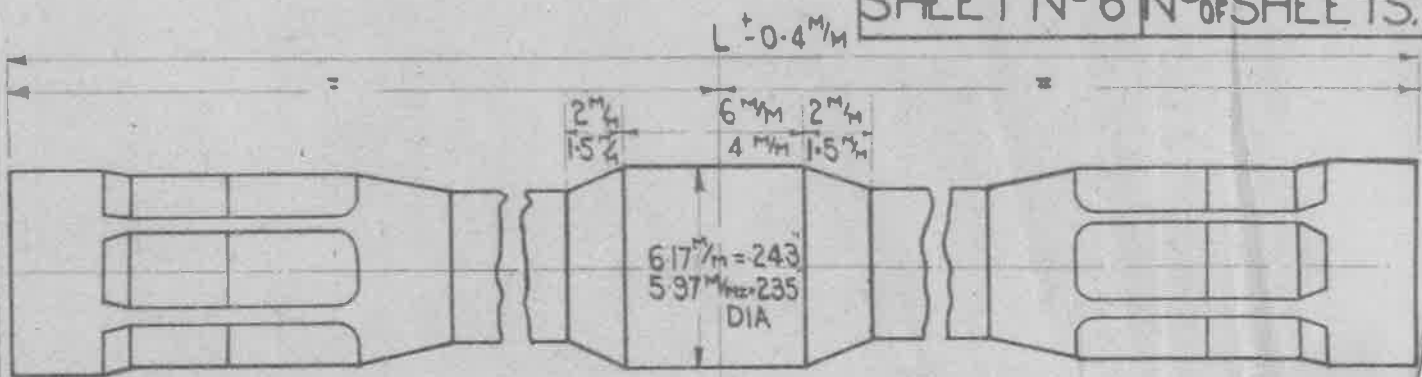


SCALE: - 4/7 & 10/7

MATERIAL: TUBES SHALL COMPLY WITH SPEC. D.T.D. 387 (LATEST ISSUE)

ITEM No.	LENGTH L	NUMBER PER LB.	ITEM No.	LENGTH L	NUMBER PER LB.
4A	9"	90 TO 105			
4B	11"	75 TO 90			
4C	300 <sup>mm</sup>	70 TO 85			
4D	320 <sup>mm</sup>	65 TO 80			
4E	7 1/2"	115 TO 140			

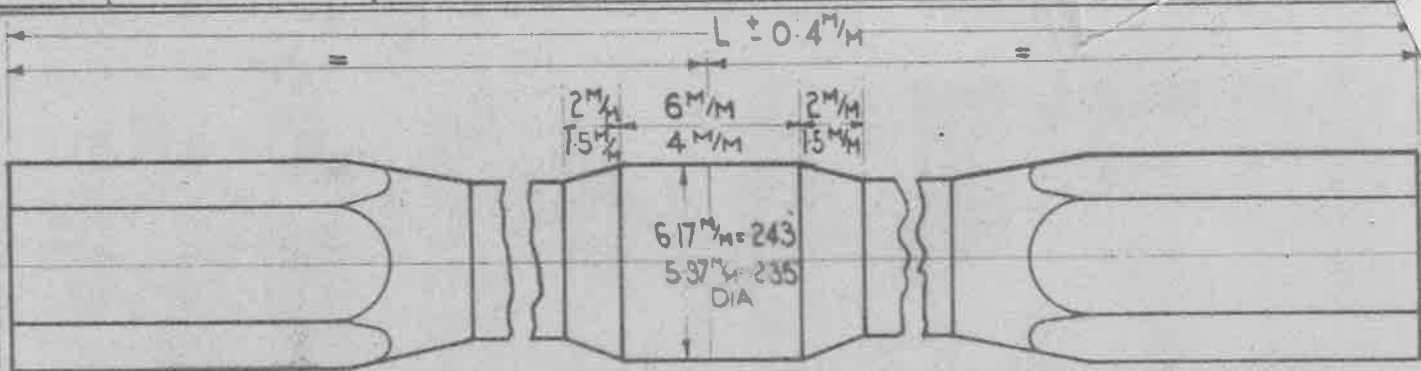
ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT.	TITLE: - STANDARD TUBES FOR OIL COOLERS HEXAGON ENDS, DOUBLE EXPANSION.				DRAWN.	TRAC.
	ISSUE No.	1-3			CHECKED	APPROV.
	ALTER No.	MOD. No.			L. COOK	



FOR ALL OTHER PARTICULARS SEE SHT 5 OF THIS AGS.

TITLE:- HEXAGON ENDS, DOUBLE EXPANSION, CENTRAL BULGE.

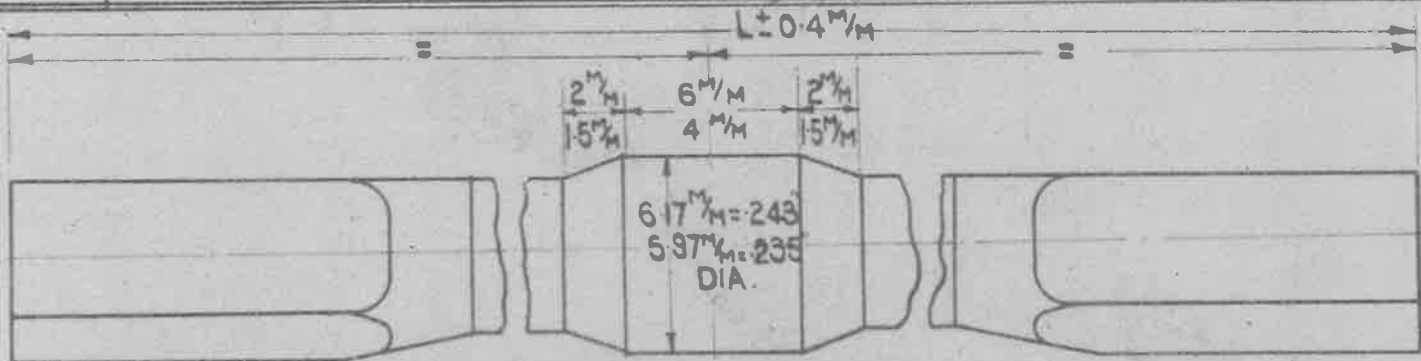
ITEM N°	LENGTH "L"	NUMBER PER LB.		
5D	320 M/M	65 TO 80		



FOR ALL OTHER PARTICULARS SEE SHT 2 OF THIS A.G.S.

TITLE:- HEXAGON ENDS, CENTRAL BULGE.

ITEM N°	LENGTH "L"	NUMBER PER LB.		
6D	320 M/M	65 TO 80		



FOR ALL OTHER PARTICULARS SEE SHT 3 OF THIS AGS.

TITLE:- PENTAGON ENDS, CENTRAL BULGE.

ITEM N°	LENGTH "L"	NUMBER PER LB.		
7D	320 M/M	65 TO 80		

ISSUED BY  
ROYAL  
AIRCRAFT

TITLE:- STANDARD TUBES FOR OIL COOLERS  
CENTRAL BULGE TYPE.

ISSUE N°

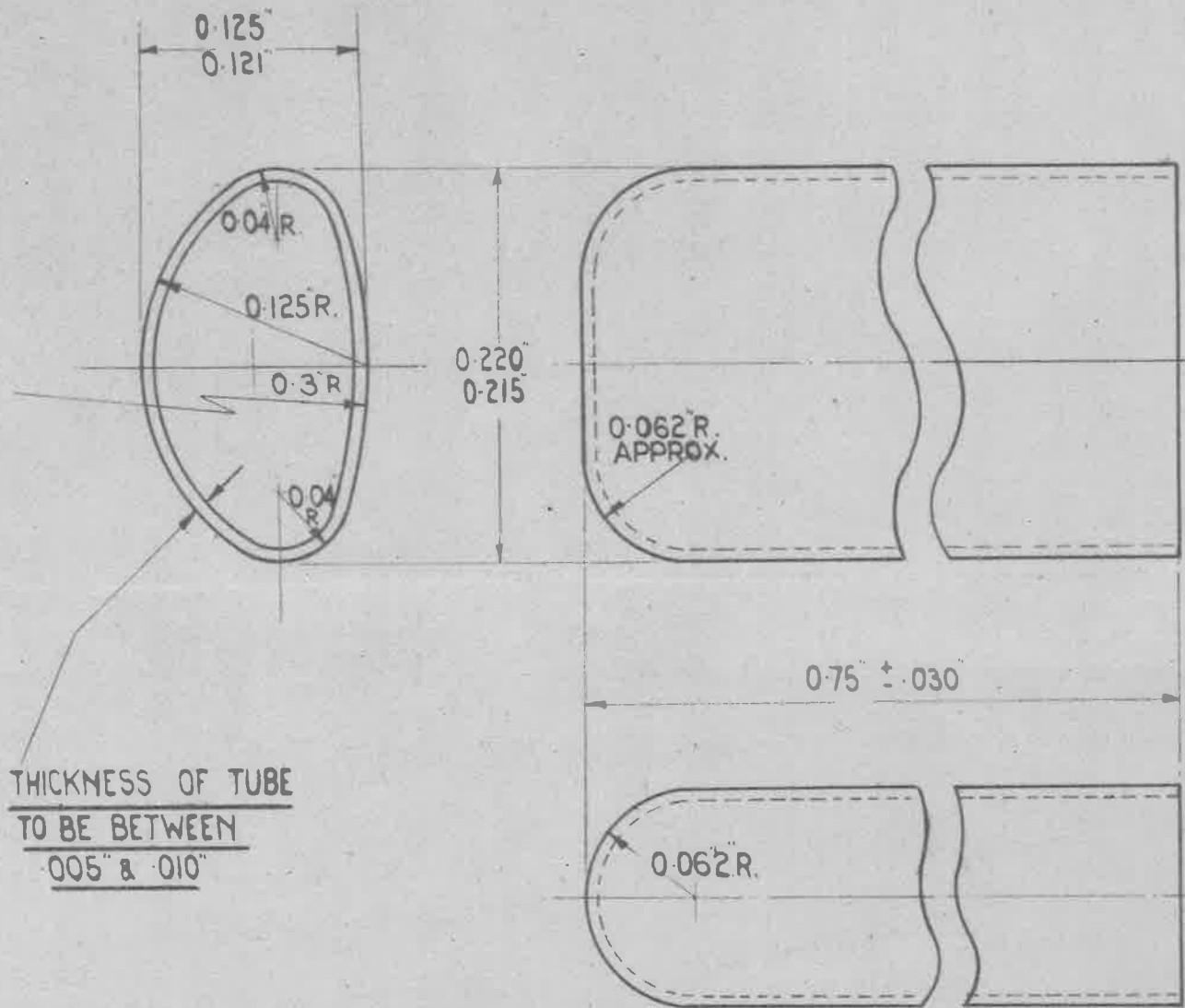
1

DRAWN

CHECKED

RE-TRACED  
J HARRIS 20 6 41

APPROVED.



MATERIAL: COPPER, D.T.D. SPEC. 387 (LATEST ISSUE)

SCALE: 10/1.

ITEM N°	LENGTH "L"	NUMBER PER LB.	ITEM N°	LENGTH "L"	NUMBER PER LB.
8 A	0.50"	850 TO 1350			
8 B	0.75"	600 TO 925			
8 C	1.50"	300 TO 400			
8 D	145 M/M.	75 TO 100			

ALL TUBES TO BE TESTED TO A MINIMUM INTERNAL PRESSURE OF 45 LBS PER IN<sup>2</sup> THICKNESS OF TUBES TO BE SUCH THAT THE NUMBER OF TUBES LIE BETWEEN THE LIMITS GIVEN.

ISSUED BY THE ROYAL AIRCRAFT ESTABLISHMENT.	TITLE: STANDARD TUBES FOR OIL COOLERS DUMMY DEE TUBES.				DRAWN C.T. REYNOLDS.	RE-TRACED J. HARRIS. 28/6/4
	ISSUE N°	1			CHECKED	APPROVED.
	ALTERN N°	MOD. N° AGS/626				