

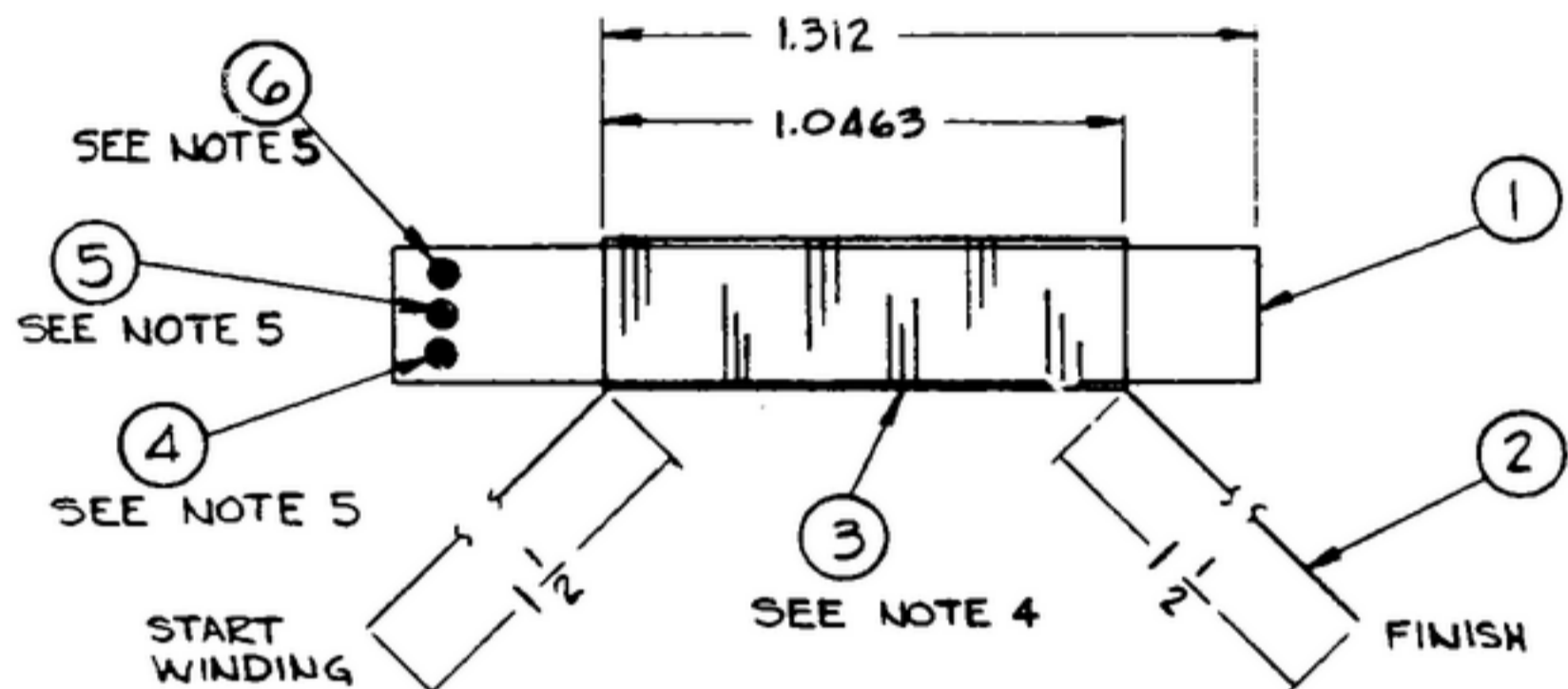
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NOTE:

*FOR INFORMATION ONLY. CONTRACTOR MAY AT HIS OPTION DEVIATE FROM THESE PROCESS DETAILS

SWE * APPROVAL		REVISIONS		
SYM	DESCRIPTION	DATE	APPROVAL	
A ₁	A ₁ REVISED & REDRAWN	16 DEC 59	42428-PC-59 -A1-5: REV'D PFR	



NOTES:

- COIL TO BE WOUND TO MEET ELECTRICAL REQUIREMENTS SPECIFIED ON SM-D-249088 & SM-D-249094.
- TYPICAL WINDING DATAS:
NO. OF TURNS: 66
TYPE OF WIND: VARIABLE PITCH PROGRESSIVE UNIVERSAL
- WIRE: SINGLE NYLON SERVING OVER 6 STRANDS OF NO. 42 AWG SINGLE CONDUCTOR WIRE WITH SINGLE POLYURETHANE FILM INSULATION. DRAWN & ANNEALED COPPER TWISTED FOR FLEXIBLE CONSTRUCTION. AS SUPPLIED BY KERRIGAN LEWIS MFG. CO., CHICAGO, ILL. OR EQUAL.
- THE COIL WINDING SHALL BE SUFFICIENTLY COATED TO FIRMLY ANCHOR ALL WIRES. COATING MATERIAL (ITEM 3) TRANSPARENT "Q" MAX. #A27 TO BE SUPPLIED BY COMMUNICATIONS PRODUCTS CO. INC., MARLBORO, N.J. OR EQUAL.
- FOR IDENTIFICATION USE, COLOR CODING LACQUERS (ITEMS 4, 5 & 6) AS SUPPLIED BY CAPITAL CHEMICAL CO., CHICAGO, ILL. OR EQUAL. APPLY DESIGNATED COLOR UNTO COIL FORM LOCATED AS SHOWN.
FOR ANT. COILS -- BLACK DOTS & ORANGE DOTS - FOR R.F. COILS -- RED DOT (1/8 DIA. TYP.)
- S.W.E. WINDING PROCEDURE FOR 2-4 MC. ANT. COIL SPECIFIED ON 12P205229.
2-4 MC. R.F. COIL SPECIFIED ON 12P205235

SWE PART NO.	ITEM	REQD	PART NO.	DESCRIPTION	MATL	MATL SPEC	NOTES
30S111266-3	6	AS REQD		LACQUER, COLOR CODING (RED)		TT-L-31	5
20S111266-4	5	AS REQD		LACQUER, COLOR CODING (ORANGE)		TT-L-31	5
20S111266-1	4	AS REQD		LACQUER, COLOR CODING (BLACK)		TT-L-31	5
20S110864-5	3	AS REQD		LACQUER			4
30S130137-6-42	2	1	SM-B-283283-1	WIRE, MAGNET (66 INCHES TYP)			3
	1	1	SM-B-178374	FORM, COIL			

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED				COLLIN RADIO CO.		DEPARTMENT OF THE ARMY SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY
DIMENSIONS ARE IN INCHES				CEDAR RAPIDS IOWA 14214-RH-51-93 SIGNAL CORPS		
TOLERANCES ON FRACTIONS DECIMALS ANGLES						COIL ASSY
± 1/64 ± .005 ±						
DRAWN BY LIPPISCH				REVIEWED PNE		
CHECKED BY BG				APPROVED HLY PME		
NEXT ASSY	USED ON	NEXT ASSY	USED ON	DATE 11 MAR 58	SCALE 2/1	SM-B-283283
SWE APPLICATION		APPLICATION				