

NOTE: THIS DRAWING IS THE PROPERTY OF THE SIGNAL CORPS ENGINEERING LABORATORIES AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. THIS DRAWING IS THE PROPERTY OF THE SIGNAL CORPS ENGINEERING LABORATORIES AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

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

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	(1) ADDED ITEM 16 & 21 (2) REVISED NOTES 2, 5 & 7 (3) REMOVED ITEM 18 & 19	18 MAR 60	PME PME
B	(1) REVISED PICTORIALS, 2" DIA. HNS B/N/C, 1" DIA. ADDED (2) 15/13/32/6-10-2 TAPE HNS 115/130/6-9-2 TAPE	17 MAY 60	PME PME

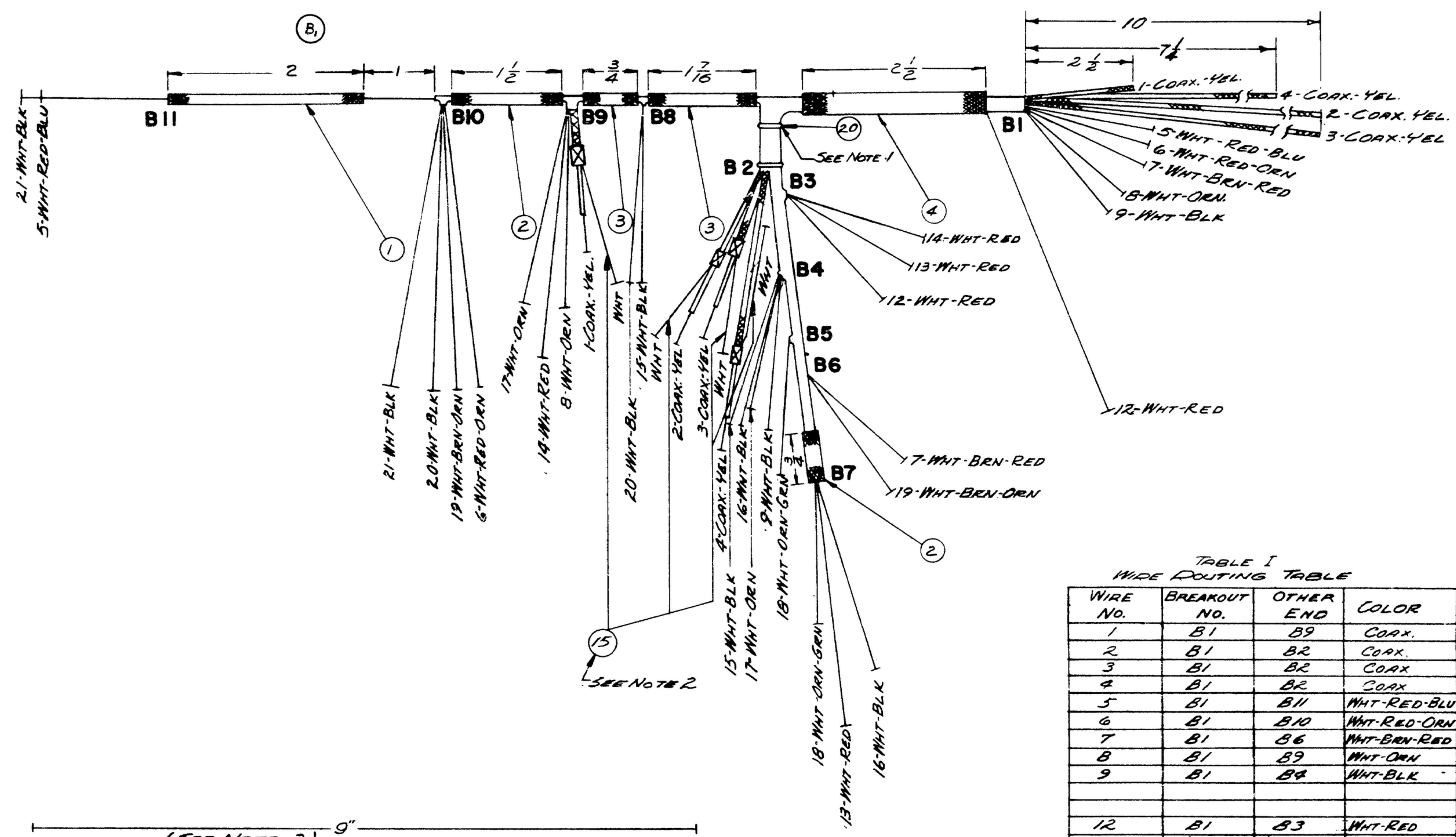
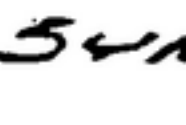


TABLE I
WIRE ROUTING TABLE

WIRE NO.	BREAKOUT NO.	OTHER END	COLOR	ITEM
1	B1	B9	COAX.	5
2	B1	B2	COAX.	5
3	B1	B2	COAX.	5
4	B1	B2	COAX.	5
5	B1	B11	WHT-RED-BLU	13
6	B1	B10	WHT-RED-ORN	12
7	B1	B6	WHT-BRN-RED	10
8	B1	B9	WHT-ORN	8
9	B1	B4	WHT-BLK	6
12	B1	B3	WHT-RED	7
13	B3	B7	WHT-RED	7
14	B3	B9	WHT-RED	7
15	B4	B8	WHT-BLK	6
16	B4	B7	WHT-BLK	6
17	B4	B9	WHT-ORN	8
18	B5	B7	WHT-ORN-GRN	14
19	B6	B10	WHT-BRN-ORN	11
20	B8	B10	WHT-BLK	6
21	B10	B11	WHT-BLK	6

ITEM	QTY	DESCRIPTION	MATERIAL	DATE	BY
(A) 105130317-17	21	SOLDER, SOFT	QQ-5-571		7
(B) 115130316-10-2	20	SMD-249046-5 WIRE TYPE 7 CLASS 2, WAIRED	MIL-T-713		1
(B) 10					
(B) 18					
(B) 17					
(A) 16	4	M52531-100 FERRULE, SHIELD GND	MIL-N-12349		
(A) 15	AS REQD	KF22-(X)U-9 WIRE WHT	MIL-N-12349		
305130227-22-935	14	SM-D-249046-12 WHT-ORN-GRN	MIL-N-16878		6
↑ -926	13	↑	↑		
↑ -923	12	↑	↑		
↑ -913	11	↑	↑		
305130227-22-912	10	SMD-249046-6 WIRE WHT-BRN-RED			
9					
305130227-22-93	8	AS REQD SMD-249046-7 WIRE WHT-ORN			
305130227-22-92	7	SM-D-249046-6 WIRE WHT-RED			
305130227-22-90	6	SMD-249046-5 WIRE WHT-BLK	MIL-N-16878		6
	5	SM-B-283210 CABLE-YELLOW			
375130333-6-19	4	SM-D-249046-8 No. 8	MIL-I-3190		4 E 5
↑ -15	3	↑	↑		
↑ -13	2	↑	↑		
375130333-6-8	1	AS REQD SMD-249046-9 INSULATION NO. 13	MIL-I-3190		4 E 5

- NOTES:
- 1. LACE OR TIE CABLE AT ENDS OF SLEEVING, AT BREAKOUTS & AT APPROX 3/4 INCH INTERVALS USING TWINE (20).
 - (A) 2. SYMBOL  INDICATES TERMINATION OF SHIELD BY INSERTING (16) OVER SHIELD. WHERE INDICATED INSERT OVER GROUND WIRE (15) IN FERRULE & CRIMP.
 - 3. CABLE IS DOWN TO SCALE. LENGTHS INDICATED BY MARKS ARE TO ENDS OF STRANDS AFTER STRIPPING.
 - (A) 4. INSULATE CABLE WITH INSULATION AS SHOWN.
 - (A) 5. PART SHALL BE CLASS B-A-1, COLOR BLACK. VINYL COATED FIBERGLASS TUBING PER SPEC MIL-I-3190.
 - (A) 6. SHALL BE B-22 NYLON JACKET.
 - (A) 7. STRIP & TIN ALL LEADS 1/4 INCH USING SOLDER COMP 5N163 PER SPEC QQ-5-571.

DRAWN ECS	CHECKED RAM	APPROVED	REVIEWED PME	APPROVED HLY	DATE 8 MAR 58	SCALE 1/1
UNLESS OTHERWISE SPECIFIED: DECIMAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±.008 FRACTIONAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±1/64 MACHINED ANGLES MAY VARY ±.1° SHEARED ANGLES MAY VARY ±.28° BROKEN ANGLES MAY VARY ±1° CONCENTRICITY BETWEEN ANY DIAMETERS ON THE SAME CENTERLINE SHALL NOT EXCEED ONE TOTAL INDICATOR READING. ALL DIMENSIONS ARE FITTED DIMENSIONS INCLUDING APPLIED FINISH AND ARE GIVEN IN INCHES.		SIGNAL CORPS ENGINEERING LABORATORIES FORT MONMOUTH NEW JERSEY 540-7610-00		CABLE ASSY-R.F. SMD-249046		