

SECRET

Reference No.

ENG-2-115

Director of Logistics

PLEASE RETURN TO
ENGINEERING DIVISION

Director of Communications

8 FEB 1957

(Contract RD-79, Task VII, [redacted])

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REF: Memorandum from, Director of Communications, to Director of Logistics, Subject: Approval of Task VII, Contract RD-79, dated 16 August 1956.

1. Attached herewith are [redacted] estimates on cost increases resulting from increased scope on Phases A and B and the establishment of Phase D, Task VII, RD-79. This work is necessary to meet operational changes which have occurred, and to incorporate provisions to permit programmed modernization after the original installations are accomplished.

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2. These estimates have been reviewed by the Engineering Division and are considered acceptable. It is requested that the subject contract be modified accordingly. The total increase to the contract is \$20,063.00 (Phase A, \$17,401.00, Phase B, \$1,526.00 and Phase D, \$1,136.00). Funds in this amount are available and chargeable to Allotment No. 7-7912-50-600, as indicated by the attached Requisition No. MSB 57-248.

3. It is requested that the contract termination date be extended 90 days from the date of approval of these changes. Agency association with the contract is SECRET.

DOC	<u>3</u>	REV DATE	<u>9 APR 1957</u>	BY	<u>064540</u>
ORIG COMP	<u>033</u>	OPI	<u>56</u>	TYPE	<u>02</u>
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JUST	<u>02</u>	NEXT REV	<u>2010</u>	AUTH:	NR 10-3

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Attachments:

- Requisition No. MSB 57-248
- Specification No. 57-A-1052A, Modification No. 1, Phase A
- Specification No. 57-A-1052A, Phase D
- Contractor's Proposal

OC-E/R&D-EP/LEB:WJ (28 January 1957)
cc: R&D Subject File/OC-E/Reading/OC-A, [redacted] /MSB/R&D Vital Files/
R&D Obligation File/SPD/Chrono/Dev-ep

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COORDINATION:

Rbv

OC-A

JR

OC-P (RDL)

SPD

DD/CO

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SPECIFICATION NO. 57-A-1052-A

TASK 7

Phase A Modification No. 1

THE PROBLEM:

To modify the materials, basic design concepts and configuration of the materials covered in Items 1, 2 a b e, 3, 4, 5, 6, 7, 8 and 9 to provide for the establishment of the following as further delineated by list of deliverable items and associated drawings:

7 each E/CS-3 Installation equipments:

The E/CS-3 installation equipments shall be arranged to permit the initial installation of the E/CS-3 system being established with the MP-10641 amplifiers, but will include necessary provision for field cut-over to utilize replacement transistor amplifier units. The units shall be arranged to incorporate the activity amplifiers and activity indicators to be called for under phase C or this task (to be established). This arrangement will incorporate a third power supply MP-10406 and a third rack filter to power the two activity amplifier units to be installed in each rack when this equipment is available.

Deliverable Items:

<u>E/CS-3</u>	<u>Each</u>	<u>7 Systems</u>
Racks, dual: arranged to provide for the mounting of 2 each recorders, 2 recorder power supplies; 2 activity amplifier units; 1 activity amplifier power supply; 2 monitor panels and monitor cables and 3 power filters; and oscillator disable feature.	3	21
Recorder Mounts (osc disable fixture incorporated)	6	42
Filter, Power, activity, monitor monitor panel	3	21
Installation cable sets per dwg attachment "A", each set numbered from 1 to 6 incl.	1 set	7 sets
Power/SW/Fuse Junction box	1	7
Heater Junction box	1	7
Remote Indicator Cable	1	7
Remote indicator/switch unit	1	7
Monitor jack/switch panel units	6	42
<u>Phase C call out:</u> Activity amplifiers	(6)	(42)
Remote activity indicators	(6)	(42)

Phase A Modification No. 1

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5 each E/CS-3TD Installation equipments:

The E/CS-3TD installation equipments shall be arranged to permit the utilization of transistorized amplifiers only. The power supply unit required for the recorder monitor provision shall be utilize to power the activity amplifiers to be obtained under phase C. The power supply will provide for 1 recorder and 1 activity amplifier (port and starboard).

Deliverable Items:

<u>E/CS-3TD</u>	<u>Each</u>	<u>5 systems</u>
Racks, dual: arranged to provide for the mounting of 2 each recorders, 2 recorder/activity amplifier power supplies, 2 activity amplifiers; 2 monitor panels, 2 power filter units; and oscillator disable feature.	3	15
Recorder mounts (oscillator disable fixture incorporated)	6	30
Filter, power, activity, monitor mounting panels	3	15
Instillation cable sets (dwg attachment B) each set numbered from 1 to 6 incl.	1 set	5 sets
Power/S./fuse junction box	1	5
Heater junction box	1	5
Remote indicator cable	1	5
Remote Indicator/Switch unit	1	5
Monitor jack/switch panel units	6	30
<u>Phase C call out:</u> Activity amplifiers	(6)	(30)
Remote activity indicators	(6)	(30)

10 each E/CS-3TS Rack assemblies

The E/CS-3TS rack assemblies consist of a rack which will accept an individual recorder mount, one filter/power supply unit. It will comp rise a rack, a recorder mount and a filter/activity mounting panel. It shall be arranged to accept the recorder mount and filter panel assembly as utilized in the E/CS-3TD unit as well as being so arranged as to permit the installation of all units as removed from E/CS-3TD mounting assemblies.

Phase A Modification No. 1

pg 3.

10 each E/CS-3TS cont.

Deliverable Items:

<u>E/CS-3TS</u>	<u>Each</u>	<u>10 units</u>
Racks, single: arranged to provide for the mounting of a single recorder, 1 recorder/activity amplifier power supply; 1 activity amplifier; 1 monitor panel and 1 power filter unit	1	10
Recorder mount (oscillator disable fixture incorporated)	1	10
Filter, power, activity, monitor mounting panel	1	10

3 each Test Bench Junction Boxes and 296 ancillary cables

To incorporate necessary wiring changes as contained in drawings furnished under attachment C for the bench set ups indicated.

Deliverable Items:

	<u>Each</u>	<u>total</u>
Test Bench Junction Box	1	8 each
Ancillary cable sets	1 set	8 sets

(Special call's, not part of the above sets are called out under Phase D.)

TASK 7

PHASE D

Problem:

To fabricate special cables to be utilized with the test bench junction box which is being constructed under Phase A this task.

Item 1. 4 each Test Bench Cable W-1203 E/CS-3

Item 2. 4 each Test Bench Cable W-1202

Item 3. 16 each Test Bench Cable W-1205 E/CS-3, -3TD &-3TS.

These items are to be furnished in accordance with attached dwgs and are to be tropicalized-fungus treated.

TASK 7

PHASE D

Problem:

To fabricate special cables to be utilized with the test bench junction box which is being constructed under Phase A this task.

Item 1. 4 each Test Bench Cable W-1203 E/CS-3

Item 2. 4 each Test Bench Cable W-1202

Item 3. 16 each Test Bench Cable W-1205 E/CS-3, -3TD &-3TS.

These items are to be furnished in accordance with attached dwgs and are to be tropicalized-fungus treated.

TASK 7

PHASE D

Problem:

To fabricate special cables to be utilized with the test bench junction box which is being constructed under Phase A this task.

Item 1. 4 each Test Bench Cable W-1203 E/CS-3

Item 2. 4 each Test Bench Cable W-1202

Item 3. 16 each Test Bench Cable W-1205 E/CS-3, STD 6-3TS.

These items are to be furnished in accordance with attached dwgs and are to be tropicalized-fungus treated.

TASK 7

PHASE D

Problem:

To fabricate special cables to be utilized with the test bench junction box which is being constructed under Phase A this task.

Item 1. 4 each Test Bench Cable W-1203 E/CS-3

Item 2. 4 each Test Bench Cable W-1202

Item 3. 16 each Test Bench Cable W-1205 E/CS-3, -3TD &-3TS.

These items are to be furnished in accordance with attached dwgs and are to be tropicalized-fungus treated.

SECRET

EDC-6-902

77-23131
-06347

Director of Logistics

Director of Communications

Contract 21-77, Approval of Task VII,

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1. This Office has an urgent operational requirement for the fabrication of installation cables, mounting assemblies, and associated items to permit the augmentation and modernization of existing ELINT airborne equipments, and to provide ground test bench facilities. This work is described in the attached Task Outline, Specification 57-A-1052-A. The firm, , has been requested to submit a proposal for this work, and in compliance with this request a complete cost estimate has been furnished by as attached hereto.

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2. It is requested that be authorized to proceed with Specification No. 57-A-1052-A, Task VII, as delineated. Because of the urgency of this requirement, it is requested that the starting date of the contract be made 21 August 1956, and that the contractor be given telephonic authorization to purchase parts and material in the amount of \$21,000.00 on or before 22 August 1956. (Six to eight weeks procurement lead time is required in the procurement of necessary materials).

3. The material to be furnished by the Government includes a unit which is classified **SECRET**.

4. The total cost of this task is \$50,651.12. This estimate has been found to be satisfactory. Funds in this amount are available and chargeable to Allotment No. 7-7912-50-600, as indicated by attached requisition No. 58 57-508. The material, except for the classified (**SECRET**) equipment furnished by the Government, is unclassified. Agency association with this contract shall be **SECRET**.

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attachments:

- (1) Specification No. 57-A-1052-A
- (2) Requisition No. 58 57-508
- (3) Contractor's Proposal
- (4) Exhibit A
- (5) Requisition No. 00-2207-20757

Coordination

CC-E/DAD-EP/LBI:wm (16 Aug. 1956)
cc: R&D Subject File

CC-A

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NBB (2) Chrono Dev-op

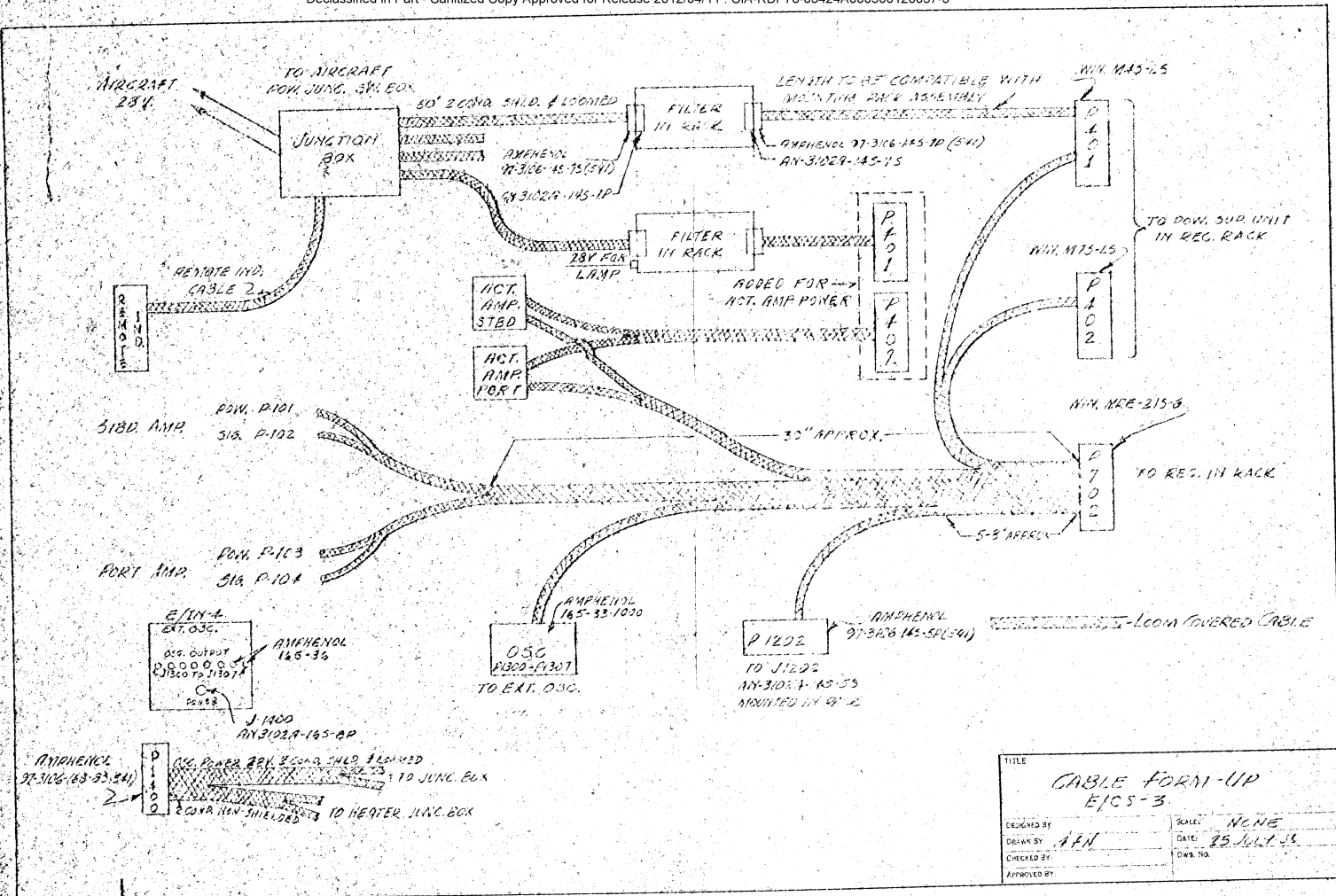
R&D Vital File

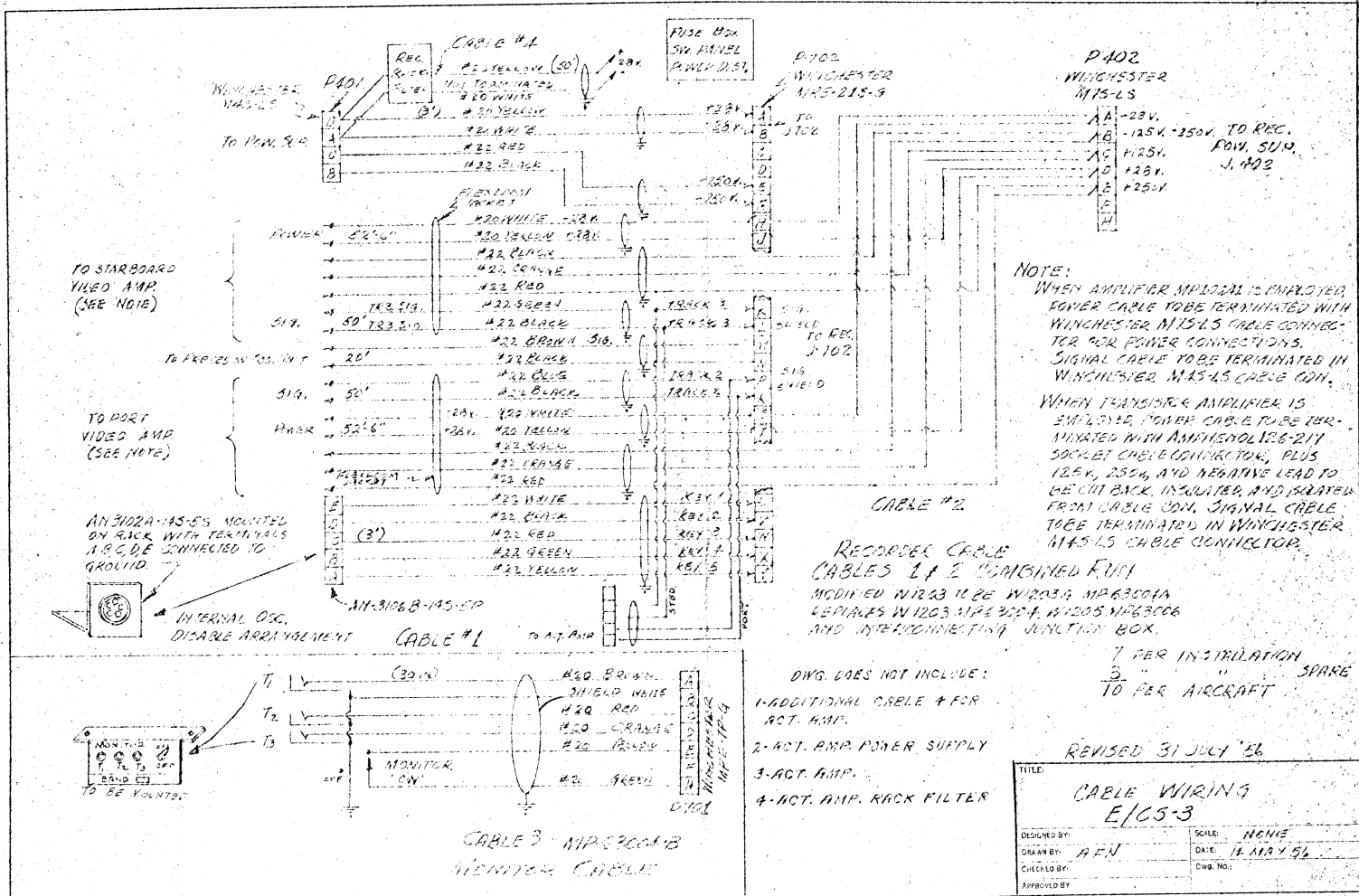
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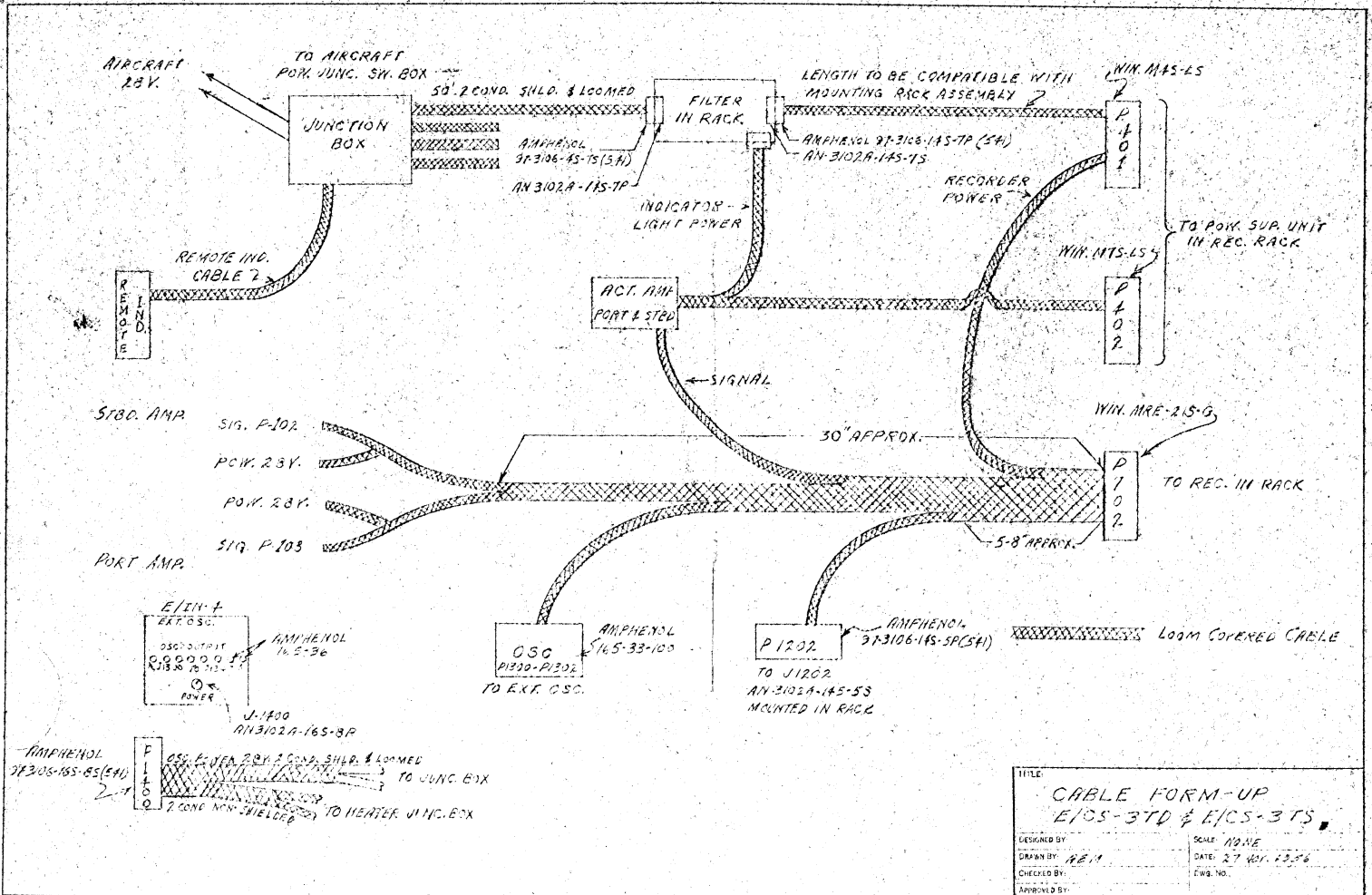
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CC-EP/RA

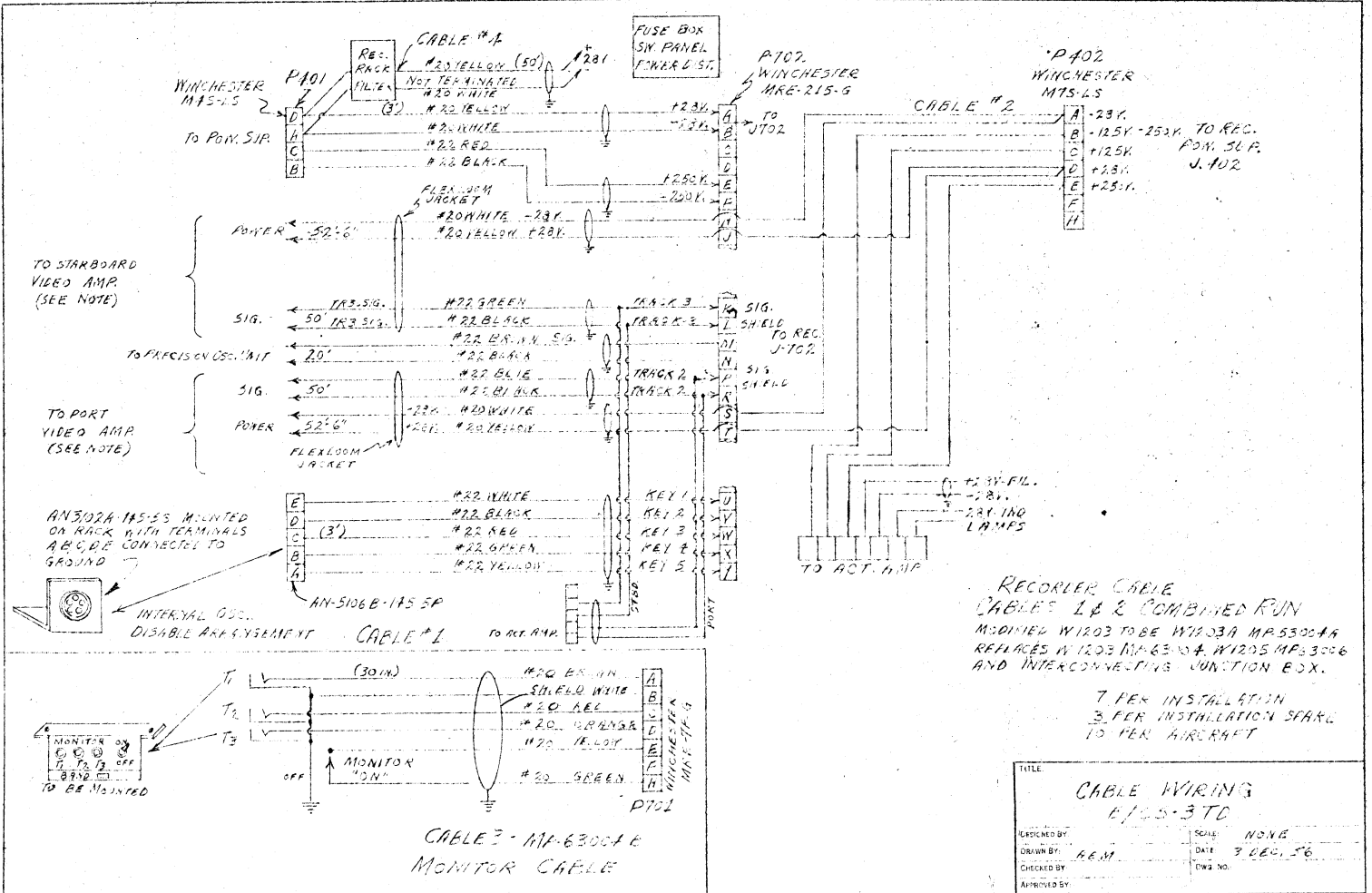
DB/CG







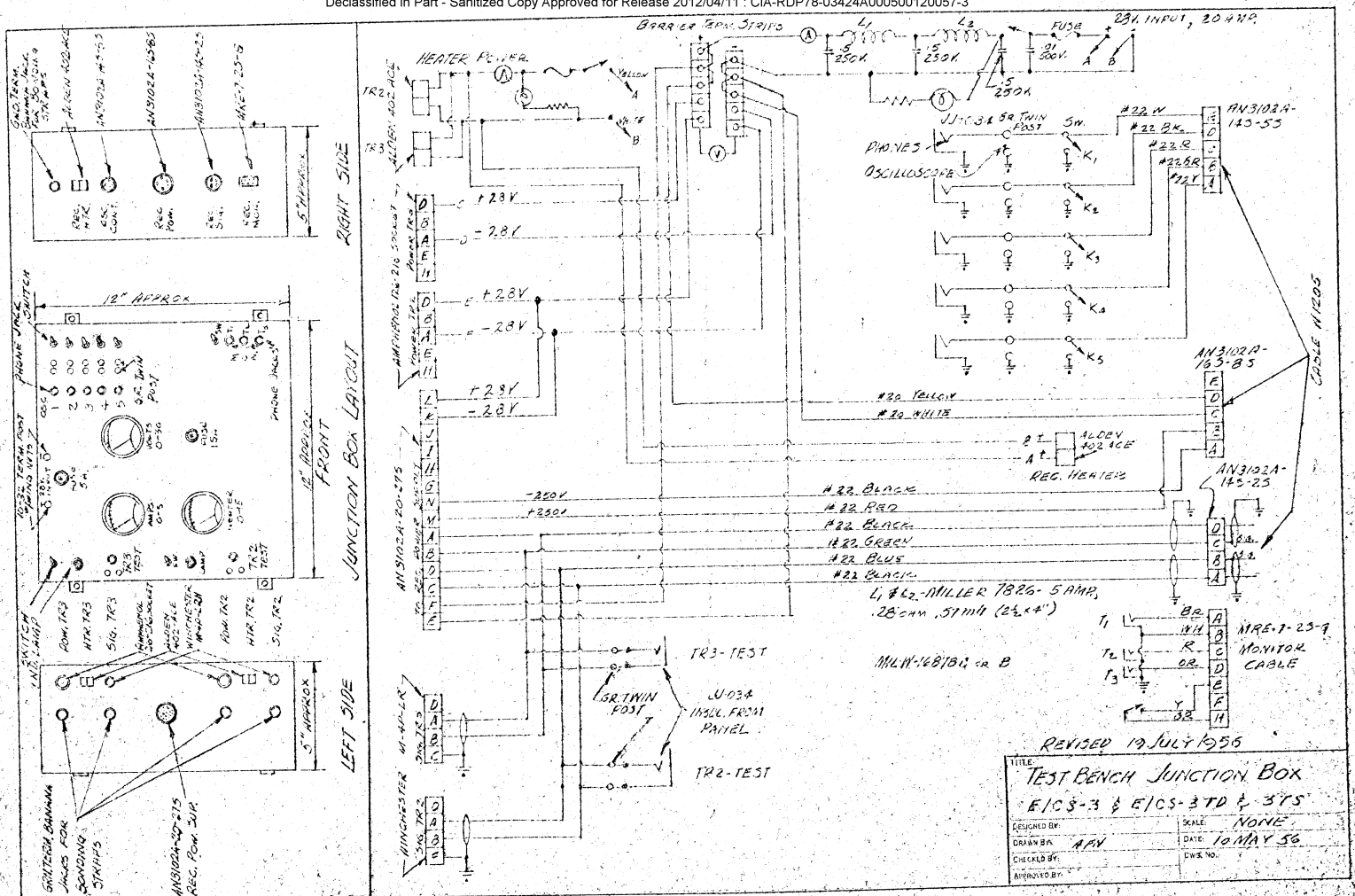
TITLE	
CABLE FORM-UP E/CS-3TD & E/CS-3TS	
DESIGNED BY	SCALE 10:1
DRAWN BY	DATE 27 NOV. 1956
CHECKED BY	FWA No.
APPROVED BY	

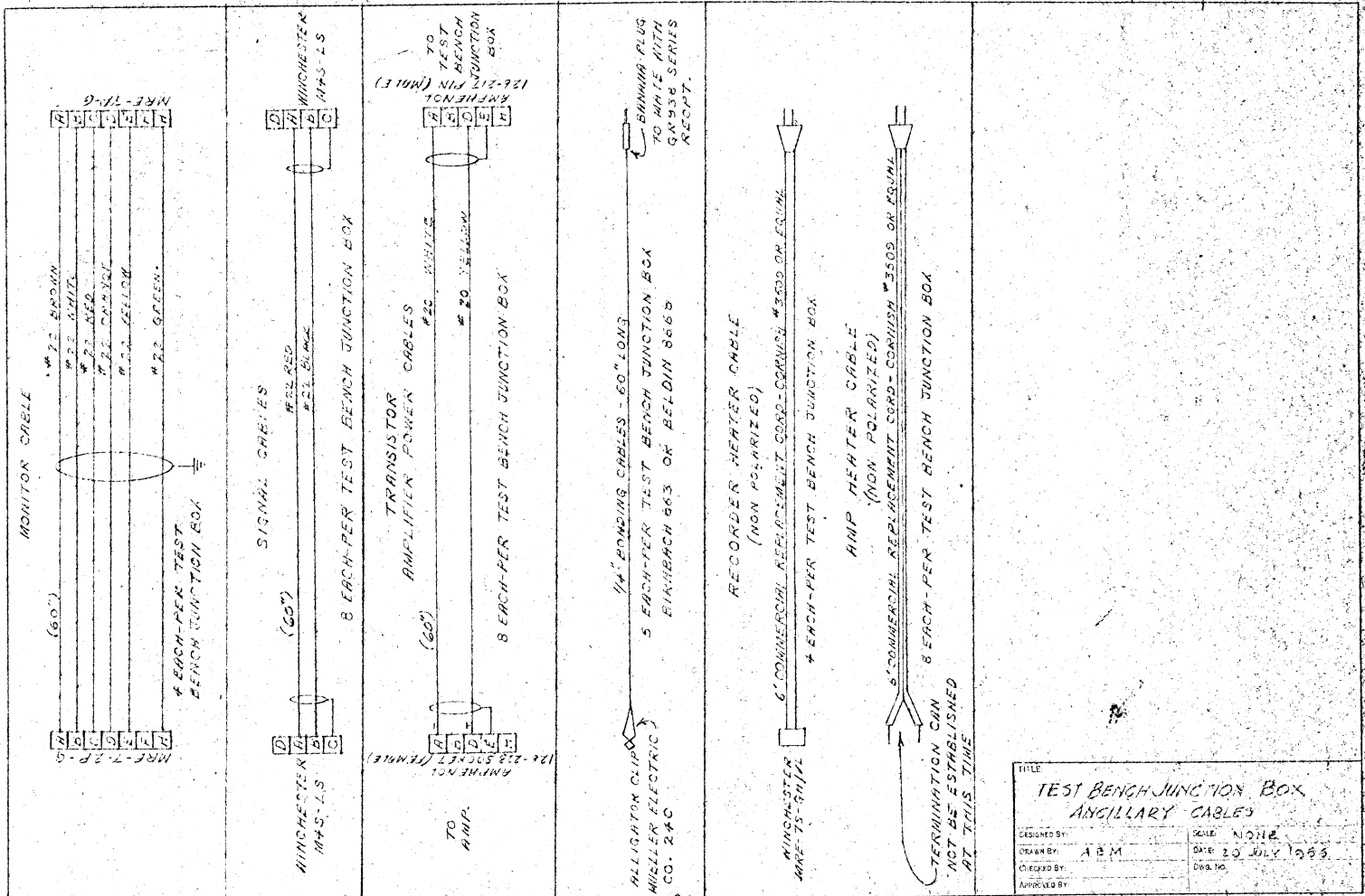


RECORDER CABLE CABLES 1 & 2 COMBINED RUN MODIFIED W1203 TO BE W1203A MP 530046 REPLACES W1203 MP 63104 W1205 MP 3006 AND INTERCONNECTING JUNCTION BOX.

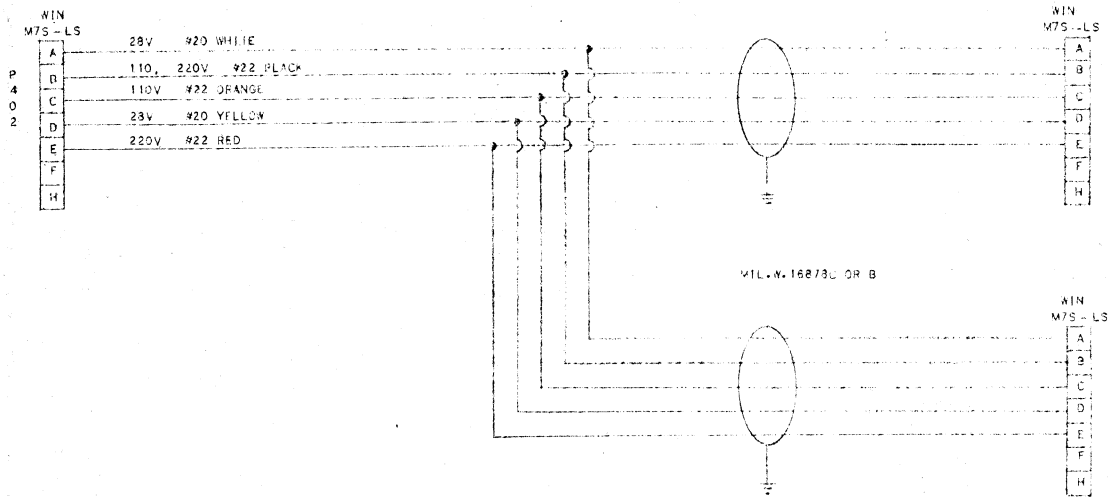
7 PER INSTALLATION
3 PER INSTALLATION SPARE
10 PER AIRCRAFT

TITLE CABLE WIRING P107-3TC	
CHECKED BY	SCALE NONE
DRAWN BY REM	DATE 3 DEC 56
CHECKED BY	DWG NO.
APPROVED BY	



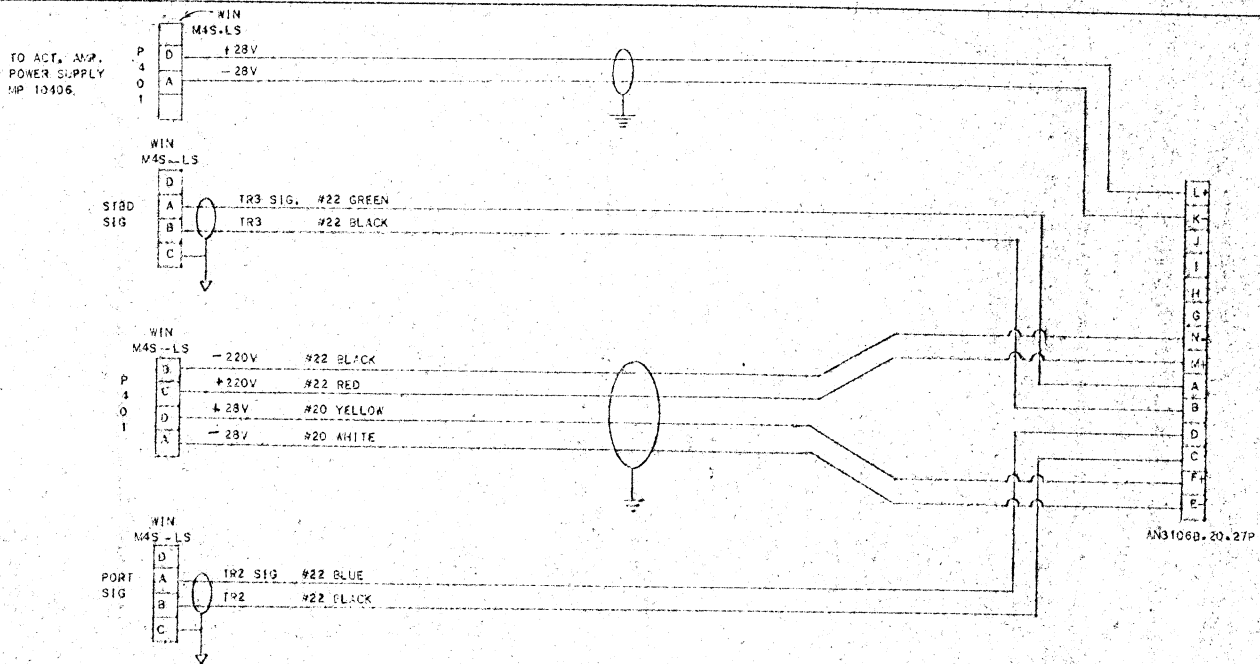


TITLE	
TEST BENCH JUNCTION BOX ANCILLARY CABLES	
DESIGNED BY:	SCALE: NONE
DRAWN BY: ABM	DATE: 20 JULY 1953
CHECKED BY:	DWG. NO.
APPROVED BY:	



- (1) 60 INCH TOTAL LENGTH BOTH BRANCHES FROM P402.
- (2) SHIELDED AND LOCKED.
- (3) CABLE JUNCTION AT P402, THIS END MAY BE CONTAINED BY CLAMP ON CONNECTOR HOOD AND/OR LAGED 6.3.

TITLE		TEST BENCH	
DRAWN BY		SCALE	
CHECKED BY		DATE	
APPROVED BY		DWS. NO.	
		OCT. 24, 1956	



- (1) 60 INCH TOTAL LENGTH ALL BRANCHES
- (2) SHIELDED AND LOCKED
- (3) 4-CABLE JUNCTION AT AN3106B-20-27P CABLE END MAYBE "CONTAINED" BY CABLE CLAMP OR LACED G.B.

TITLE: TEST BENCH	
CABLE W-1203	
FCS-3	
DESIGNED BY:	SCALE: NONE
DRAWN BY: AEM	DATE: OCT. 26, 1956
CHECKED BY:	DWG. NO.:
APPROVED BY:	

