

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL:50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261
 AUTH.NAME AUTHOR AFFILIATION
 UTLEY,E.E. Carolina Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION
 SCHWENCER,A. Operating Reactors Branch 1

SUBJECT: Informs of addition of onsite diesel generator for auxiliary shutdown sys,to be installed & operational by 801031.
 Forwards Figures 1-15 to be substituted for Figures 1-14 of 800201 submittal.

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Carolina Power & Light Company

March 21, 1980

FILE: NG-3514(R)

SERIAL NO. NO-80-451

Office of Nuclear Reactor Regulation
Attention: Mr. Albert Schwencer, Chief
Operating Reactors Branch No. 1
United States Nuclear Regulatory Commission
Washington, D.C. 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
AUXILIARY SHUTDOWN SYSTEM

Dear Mr. Schwencer:

In a February 1, 1980 response to you concerning Safe Shutdown Capability, Carolina Power & Light Company (CP&L) indicated that it would provide a dedicated on-site back-up power supply for the Auxiliary Shutdown System. The purpose of this letter is to inform you that the back-up power supply will be an on-site diesel generator. In addition, to add reliability to the system, electrical loads to be powered by the Auxiliary Shutdown System will be placed on a new bus, designated DS. This will allow them to be electrically disconnected from the other electrical buses if operation of the diesel generator is required. Attached Figures 1 through 15 show the layout of the system and should be substituted for Figures 1 through 14 of our February 1, 1980 submittal.

It should be noted that the dedicated diesel generator will not be safety grade or be seismically qualified. This coincides with your previously stated positions. It is presently planned to have the Auxiliary Shutdown System installed and operational by October 31, 1980. Should delays be encountered which will prevent meeting that schedule, CP&L will promptly inform you and propose mitigating action for the interim period until the system is operational. Proposed surveillance and operability Technical Specifications for the diesel generator will be provided by October 31, 1980.

We trust this information will be suitable for your use. If you have any questions on this subject, please contact our staff.

Yours very truly,

E. E. Utley

Executive Vice President
Power Supply and Customer Services

EEU/JJS/t1

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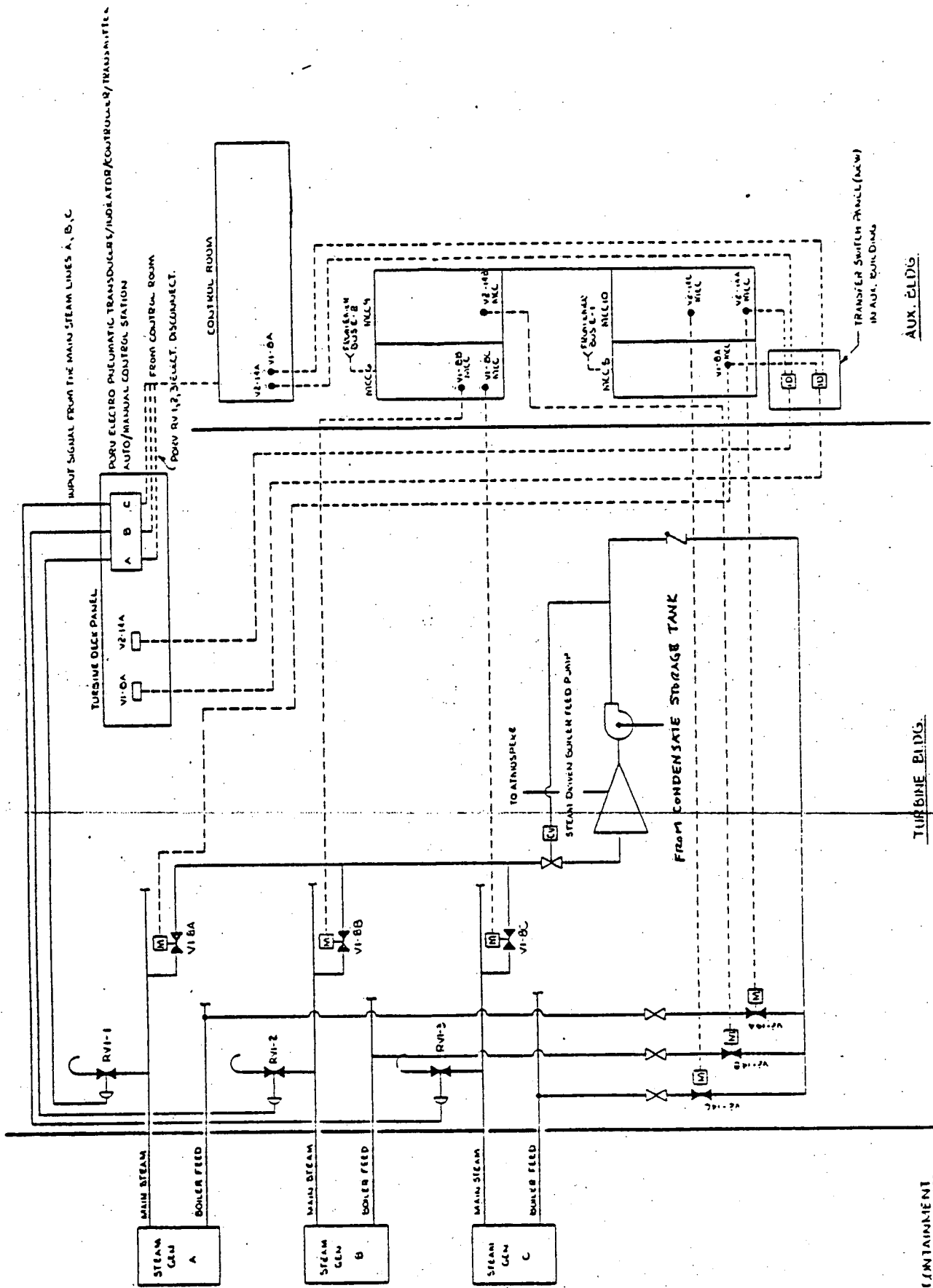
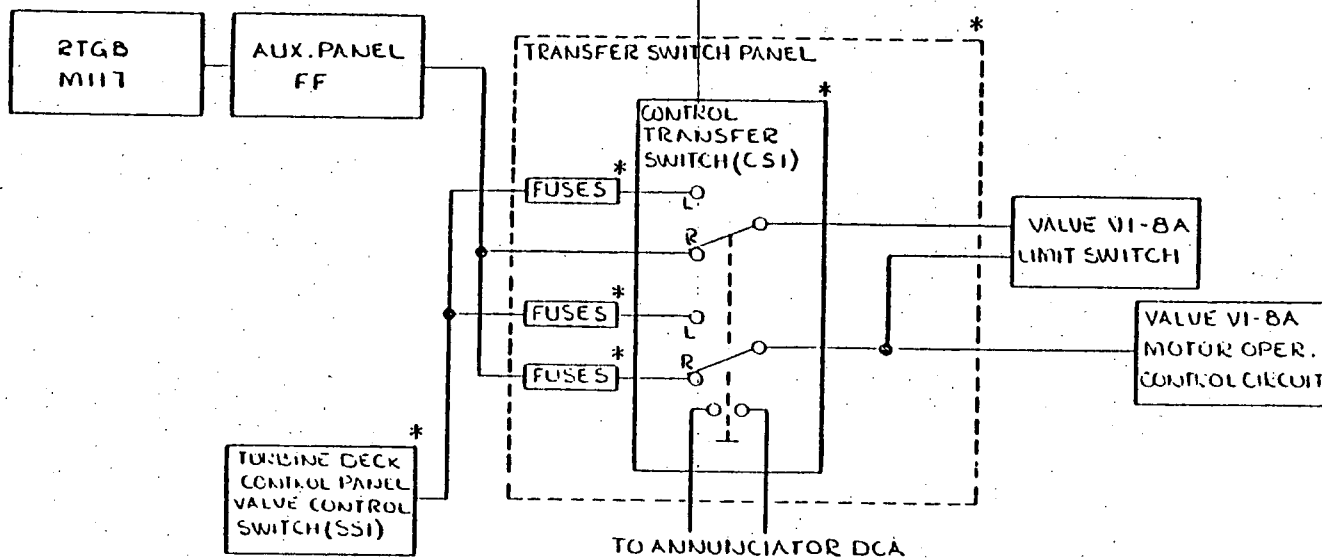


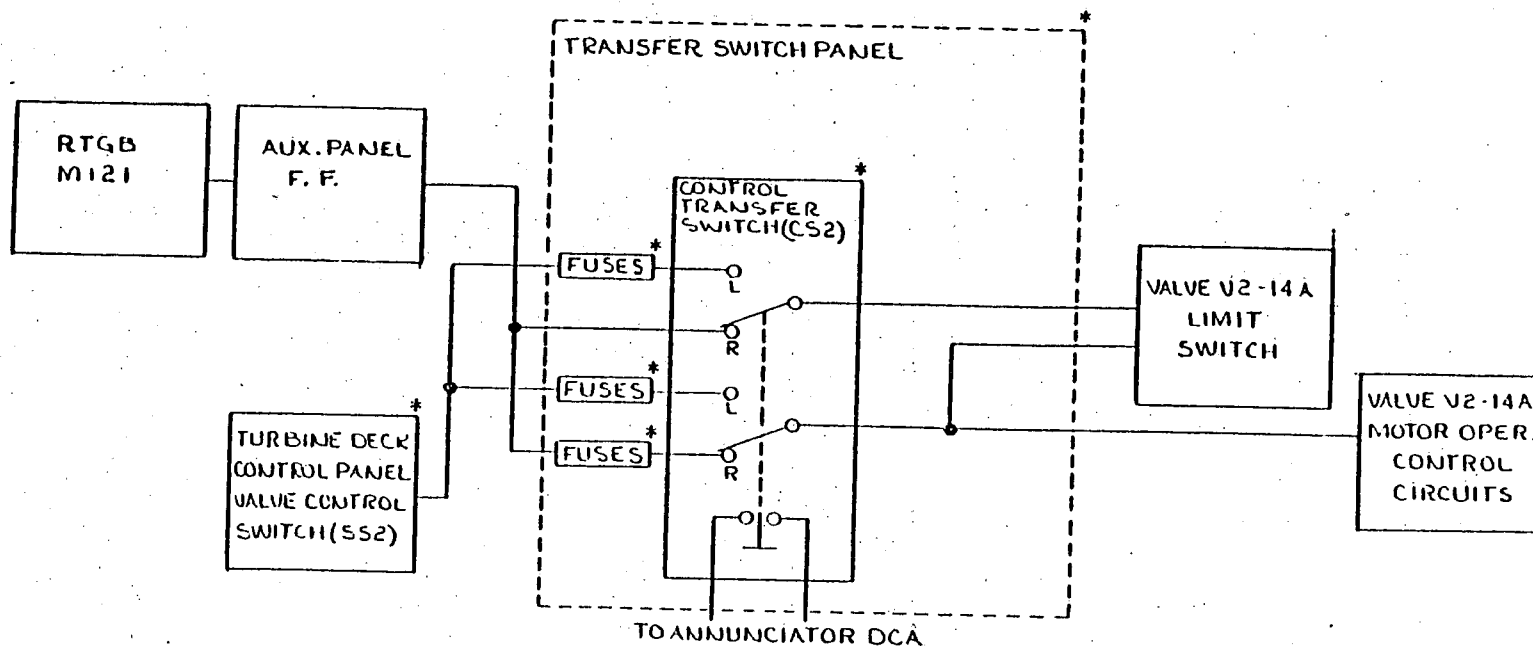
FIGURE 1
 SIMPLIFIED DIAGRAM-FIRE PROTECTION
 SHUTDOWN SYSTEM CONTROLS



NOTES

1. SWITCH CSI IS SHOWN IN REMOTE CONTROL POSITION
2. ASTERISK (*) DENOTES NEW COMPONENT
3. REFER TO NUS DRAWINGS 5137-E-6101, -6109, -6218, -6314 & -6318.

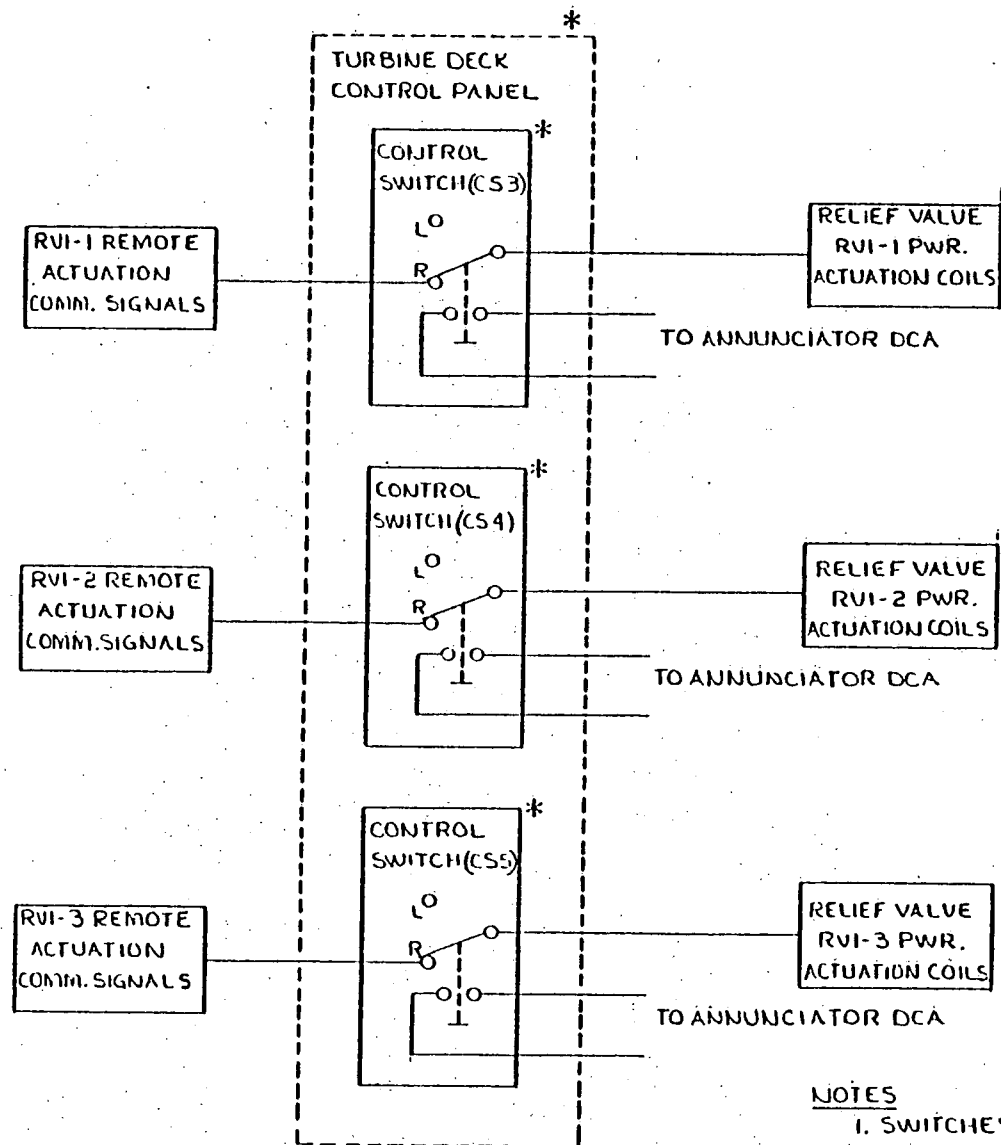
FIGURE 2
STEAM DRIVEN FWP STEAM SHUTOFF VALVE VI-8A



NOTES

1. SWITCH CS2 SHOWN IN REMOTE CONTROL POSITION
2. ASTERISK (*) DENOTES NEW COMPONENT
3. REFER TO NUS DRAWINGS 5137-E-6109, -6115, -6219, -6314, & -6319.

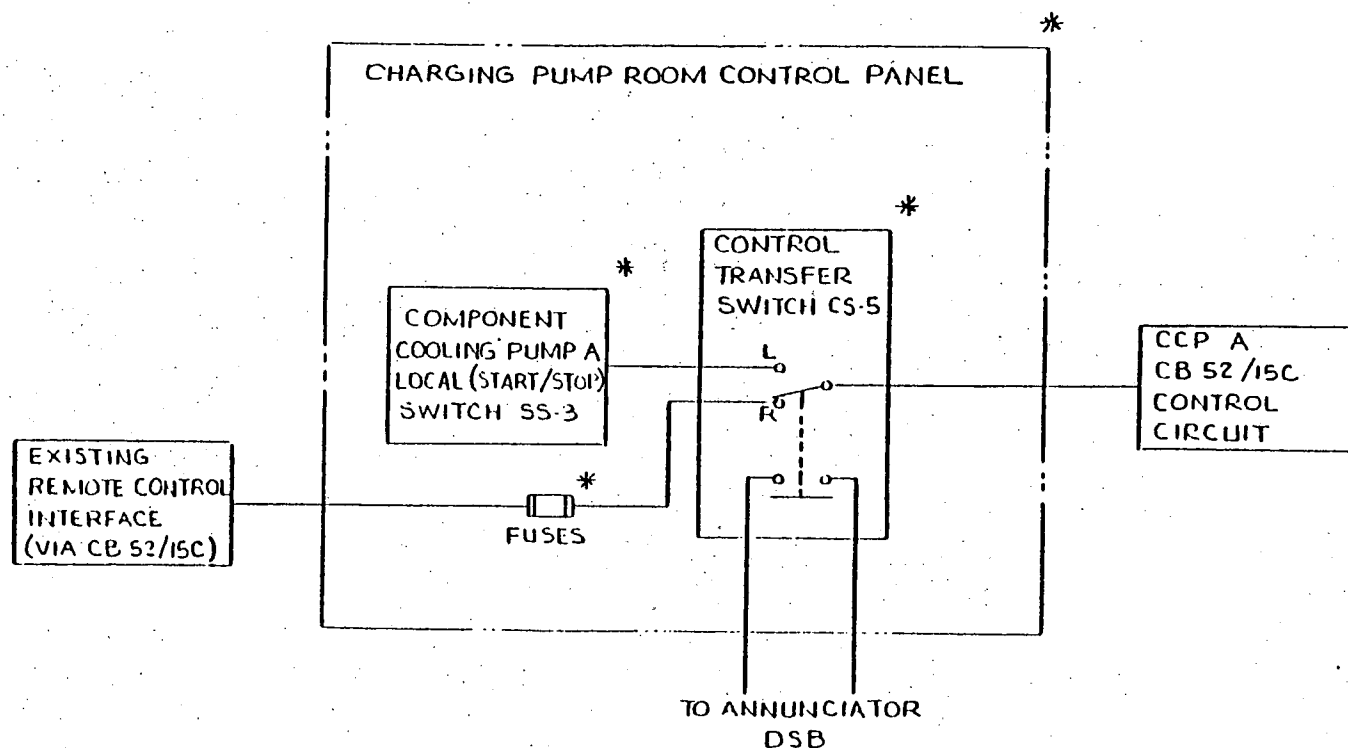
FIGURE 3
STEAM DRIVEN FWP STEAM SHUTOFF VALVE V2-14A



NOTES

1. SWITCHES SHOWN IN REMOTE CONTROL POSITION
2. ASTERISK (*) DENOTES NEW COMPONENT
3. REFER TO NUS DRAWINGS 5137-E-6103, -6220, & -6314.

FIGURE 4
STEAM DUMP VALVE CONTROL



NOTES:

1. SWITCH CS-5 SHOWN IN REMOTE CONTROL POSITION
2. ASTERISK (*) DENOTES NEW COMPONENT
3. REFERENCE: NUS DRAWINGS 5137 E-6110, 5137 E-6211, AND 5137 E-6313

FIGURE 5
COMPONENT COOLING PUMP A CONTROL TRANSFER

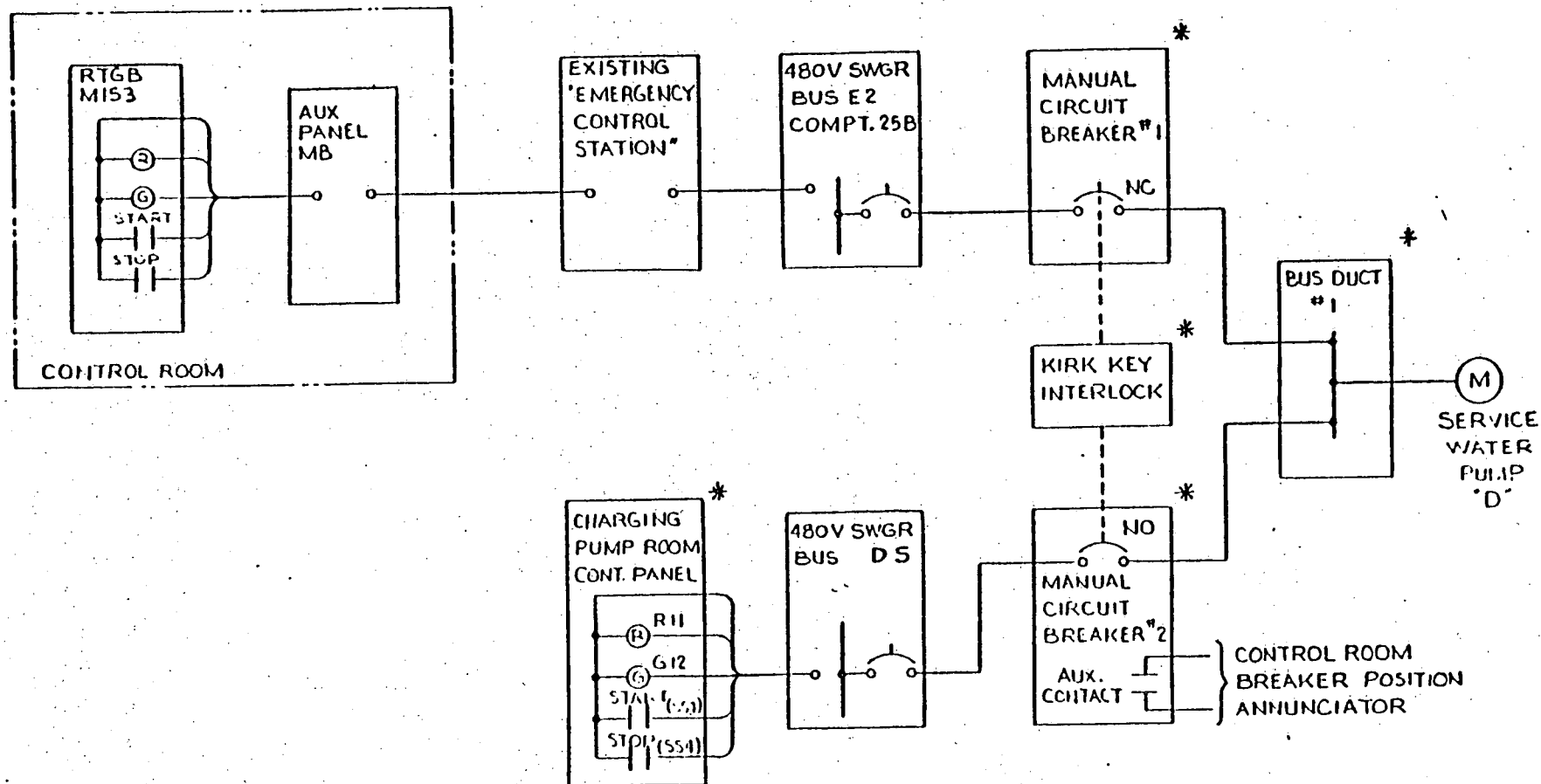


FIGURE 6
SERVICE WATER PUMP 'D'

COMMON POWER DIVISION
WIRING AND LOCATION

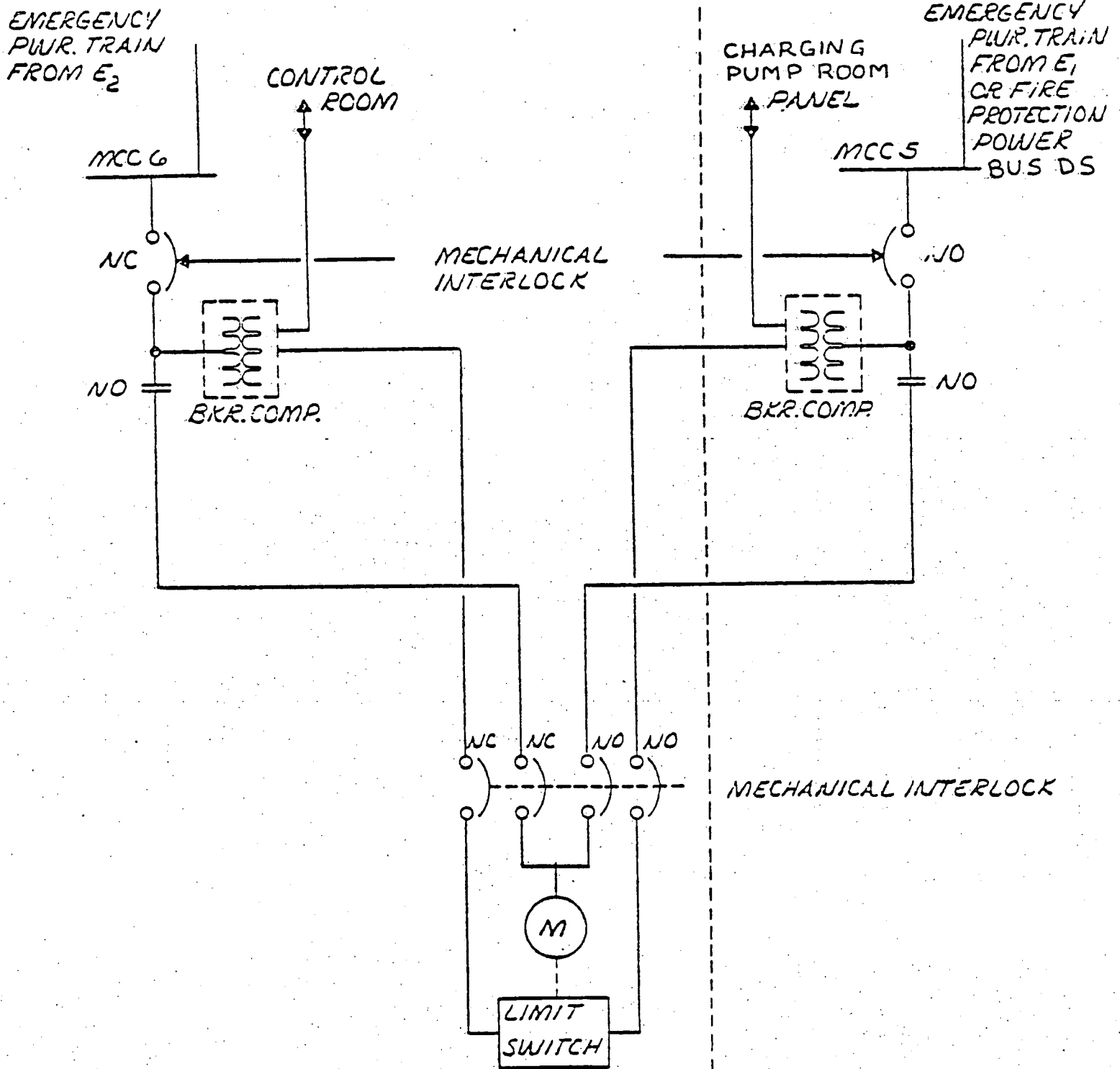
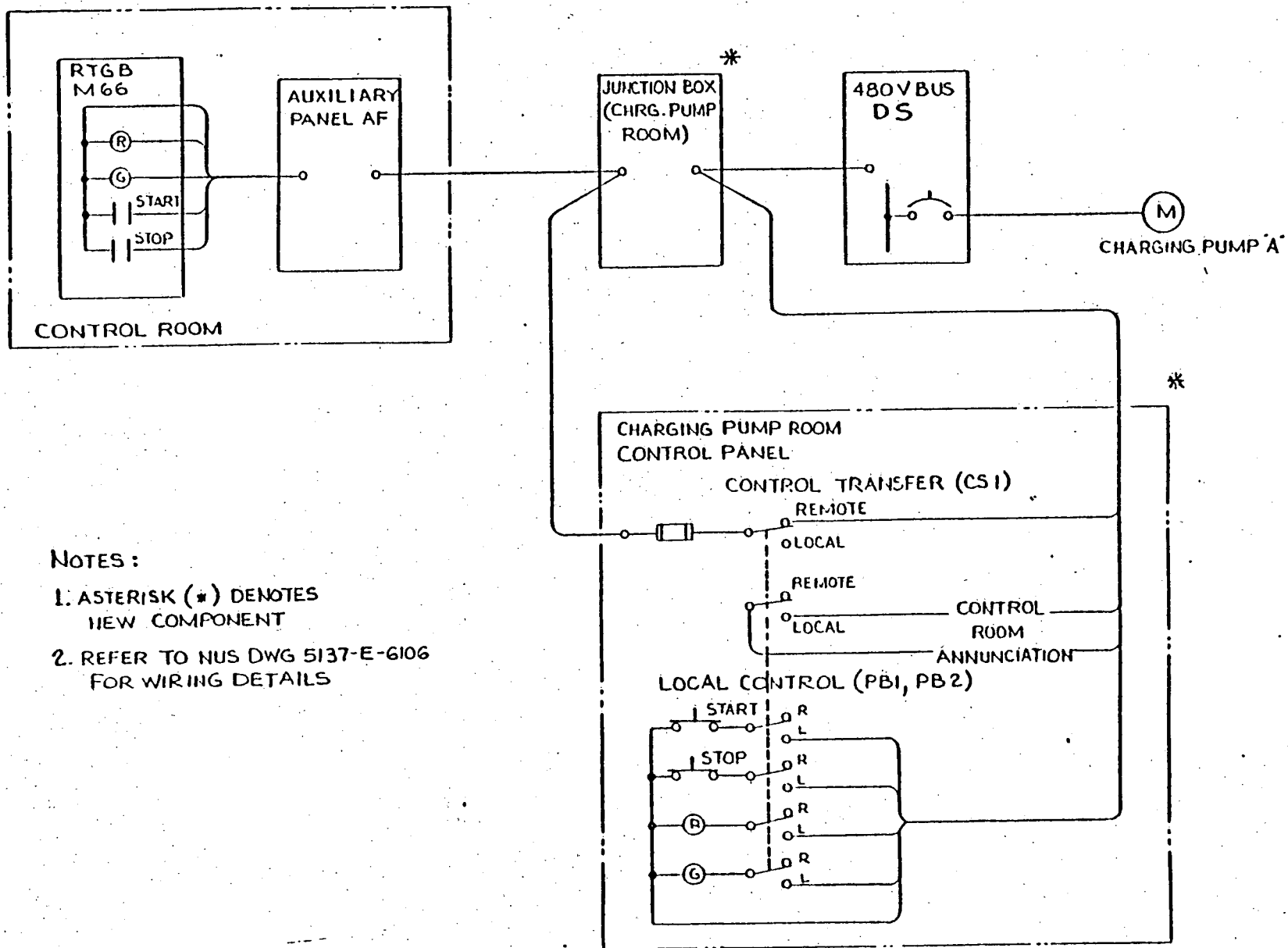


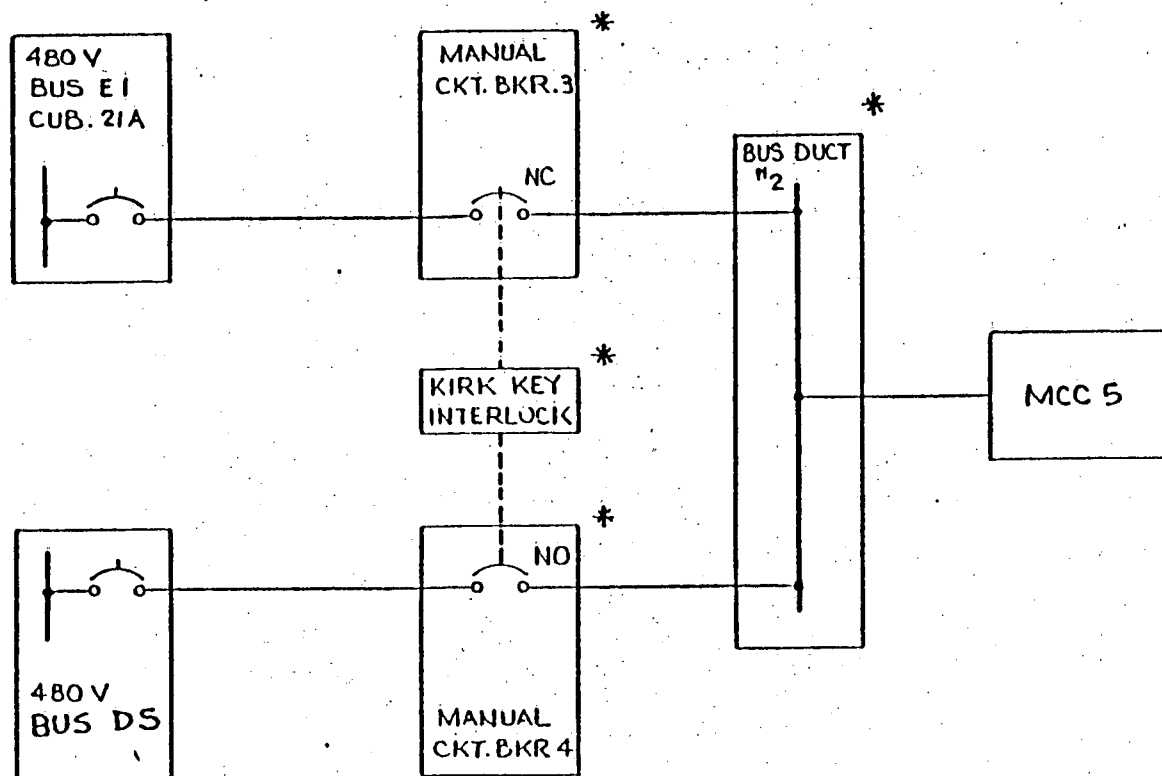
FIGURE 7
SERVICE WATER DISCHARGE VALVE V6-12D



NOTES :

1. ASTERISK (*) DENOTES NEW COMPONENT
2. REFER TO NUS DWG 5137-E-6106 FOR WIRING DETAILS

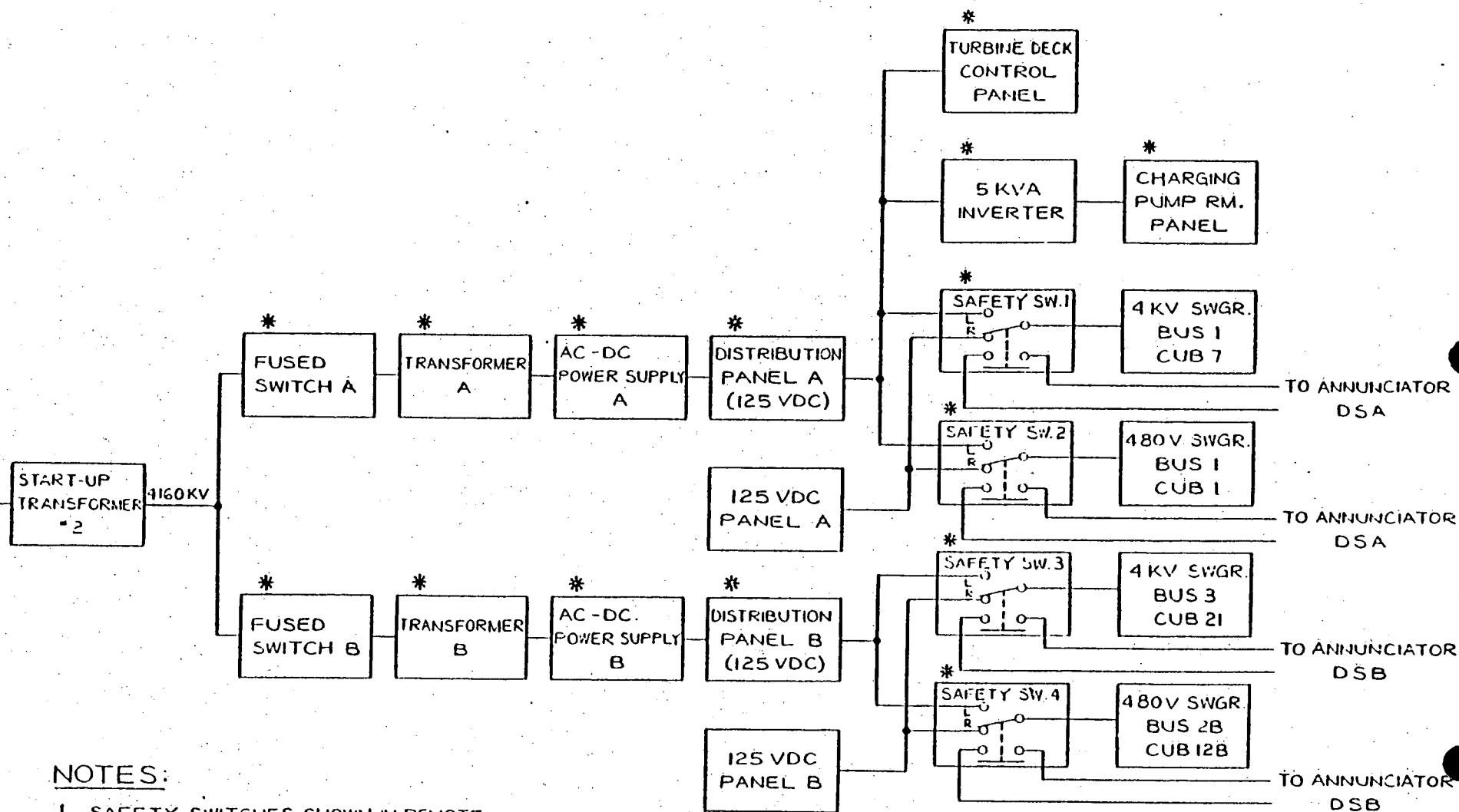
FIGURE 8
CHARGING PUMP "A"



NOTES :

1. ASTERISK (*) DENOTES NEW COMPONENT.
2. REFERENCE : NUS DWG. 5137-E-6217

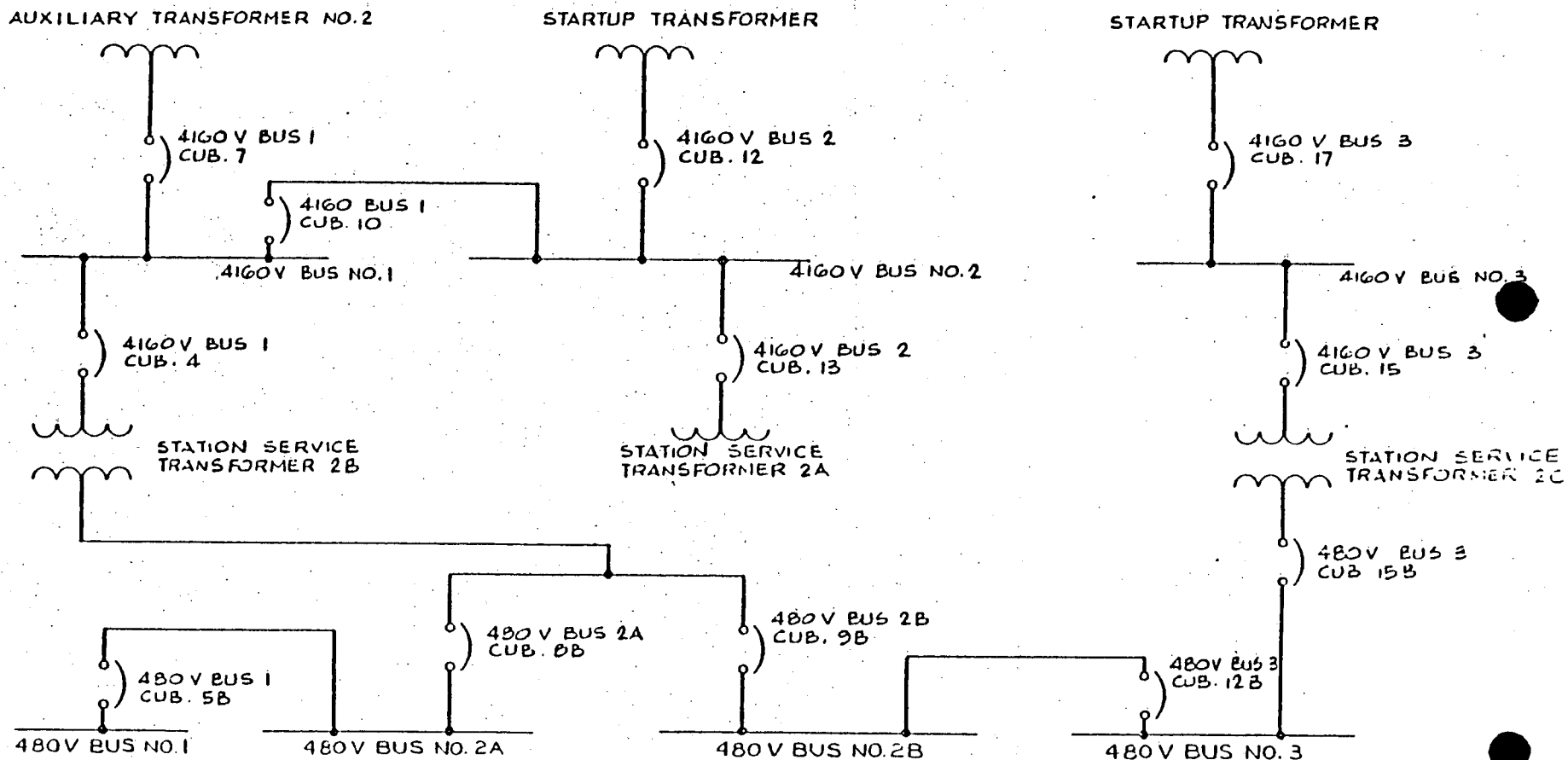
FIGURE 9
ALTERNATE POWER FOR MCC 5



NOTES:

1. SAFETY SWITCHES SHOWN IN REMOTE CONTROL POSITION.
2. ASTERISK(*) DENOTES NEW COMPONENT.
3. REFER TO NUS DRAWINGS 5137-E-6109, -6110, -6213 4 -6215.

FIGURE 10
EMERGENCY DC POWER SUPPLY

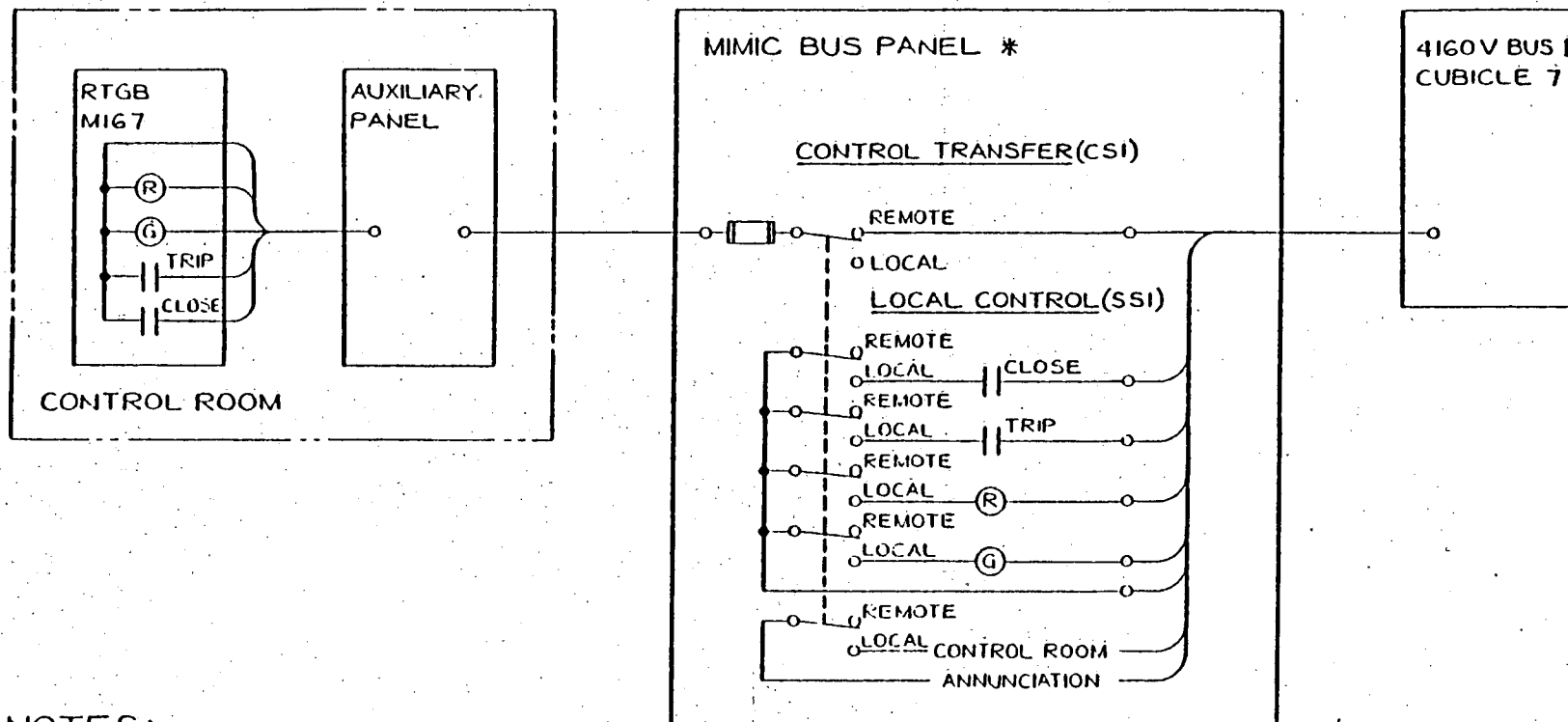


NOTE 5:

1. A REMOTE / LOCAL CONTROL TRANSFER SWITCH AND LOCAL CONTROL SWITCH IS PROVIDED ON THE MIMIC PANEL FOR EACH OF THE ABOVE BREAKERS AS SHOWN ON FIGURE SQ2-II.

2. REFERENCE NUS DWG. 5137-E-0318.

FIGURE II
SWITCHGEAR MIMIC PANEL CONTROLS



NOTES:

1. THIS SCHEMATIC TYPICAL FOR BREAKER CONTROLS ON THE MIMIC BUS PANEL.
ALSO APPLIES TO THE FOLLOWING BREAKERS:

CIRCUIT BREAKER

4160 V BUS 1, CUB. 10
4160 V BUS 2, CUB. 12
4160 V BUS 3, CUB. 17
480 V BUS 2A, CUB. 8B
480 V BUS 2B, CUB. 9B
480 V BUS 1, CUB. 5B
480 V BUS 3, CUB. 12B
480 V BUS 3, CUB. 15B
4160 V BUS 1, CUB. 4
4160 V BUS 2, CUB. 13
4160 V BUS 3, CUB. 15

MIMIC BUS PANEL CONT. SWS.

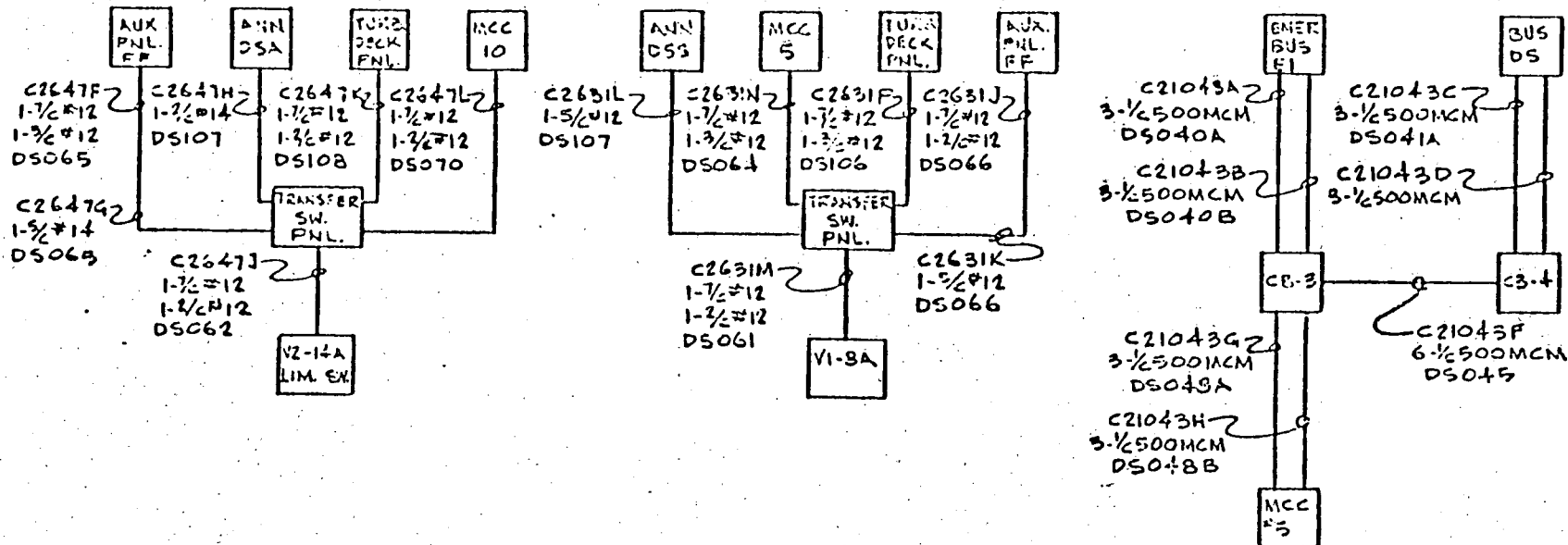
CS4, SS4
CS2, SS2
CS3, SS3
CS8, SS8
CS9, SS9
CS11, SS11
CS12, SS12
CS10, SS10
CS5, SS5
CS6, SS6
CS7, SS7

2. ASTERISK (*) DENOTES NEW COMPONENT.

3. REFER TO NUS DWG. 5137-E-6213, SHEETS 1 THRU 24 FOR WIRING DETAILS.

FIGURE 12

TYPICAL MIMIC PANEL BREAKER CONTROLS



NOTES:

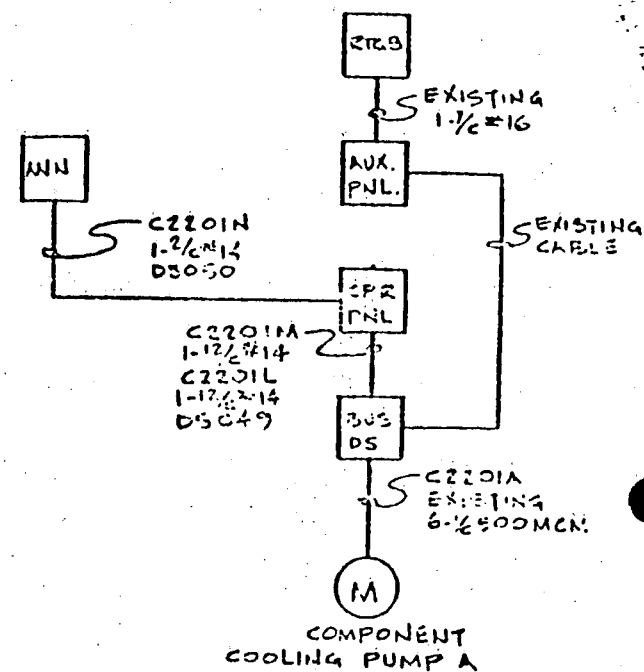
1. USE FIGURES 13 & 14 IN CONJUNCTION WITH NUS DWG. 5137-E-6311, SH. 1-7.
2. C----- DENOTES CABLE NUMBER
D----- DENOTES CONDUIT NUMBER AS SHOWN ON ROUTING DRAWING. (5137-E-6311)

CAROLINA POWER & LIGHT COMPANY
H. B. ROBINSON STEAM ELECTRIC PLANT

DEDICATED SHUTDOWN
CABLE ROUTING BLOCK DIAGRAM

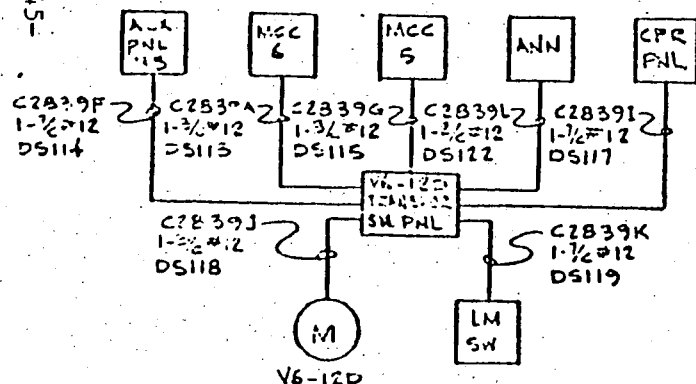
5304-FIGURE 13

C. WIGER



NOTES :

1. USE FIGURES 13 & 14 IN CONJUNCTION WITH NOS DWG. 5137-E-6311, SH. 1-7.
2. C----- DENOTES CABLE NUMBER
D----- DENOTES CONDUIT NUMBER
(AS SHOWN ON ROUTING DRAWING.
(5137-E-6311))



			C.WISER		DEDICATED SHUTDOWN CABLE ROUTING BLOCK DIAGRAM
					5304-FIGURE 14

-97-

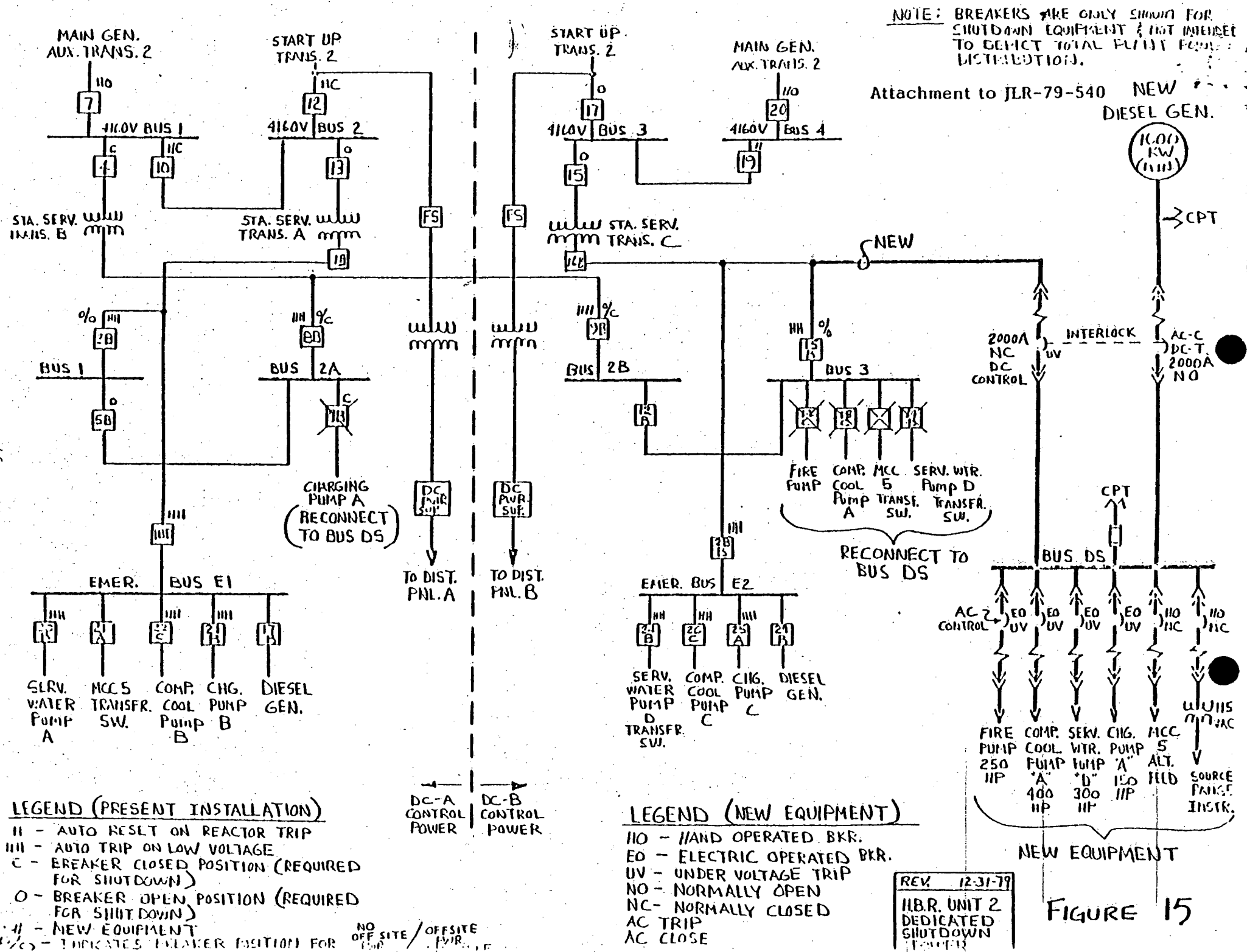


FIGURE 15