CAROLINA POWER & LIGHT COMPANY
BRUNSWICK STEAM ELECTRIC PLANT

UNIT 2

PROCEDURE TYPE: ALTERNATIVE SAFE SHUTDOWN PROCEDURE

NUMBER: ASSD-12

PROCEDURE TITLE: DIESEL GENERATOR BUILDING 2' ELEVATION
DIESEL GENERATOR BASEMENT

Rev. 0 RB.1

4/4/88

Approved By: S. A. Flow-Bixby Date: 4/11/88
General Manager/Manager-Operations

LIST OF EFFECTIVE PAGES

ASSD-12

Page(s)	Revision
1-26	0

RB

A. TITLE

Diesel Generator Building 2' Elevation Diesel Generator Basement

B. REFERENCES

1. Per 10CFR50 Appendix 'R' Section III.G and L.

2. Per 10CFR50 Appendix 'R' Section III.J.

C. ENTRY CONDITION

This procedure is entered from Alternative Safe Shutdown Index ASSD-01.

_____ 1. Damage to Train B

_____ a. A fire has occurred in an area containing Alternative Safe Shutdown Train B equipment,

AND

_____ b. The Shift Foreman has determined that the reactor is to be brought to Cold Shutdown using Alterative Safe Shutdown Train A.

OR

R B.1

_____ 2. Damage to Train A

_____ a. A fire has occurred in an area containing Alternative Safe Shutdown Train A equipment,

AND

_____ b. The Shift Foreman has determined that the reactor is to be brought to Cold Shutdown using Alternative Safe Shutdown Train B.

The purpose of this procedure is to provide supplemental actions to be used concurrently with EOP's and other operations procedures to achieve and maintain Cold Shutdown coincident with or without a 72 hour loss of off-site power.

D. OPERATOR ACTIONS

_____ 1. IF while executing this procedure, the fire is extinguished AND the Shift Foreman determines that no action within this procedure is required, THEN EXIT this procedure.

_____ 2. When the Shift Foreman has received adequate information to determine the proper safe shutdown train to be used for shutdown, THEN

_____ a. REFER to Section I of this procedure to initiate an A Train shutdown, OR

_____ b. REFER to Section II of this procedure to initiate a B Train shutdown, AND

_____ c. Notify Unit 1 of which safe shutdown train Unit 2 will be using.

RB.

SECTION I
A TRAIN SHUTDOWN

_____ 1. OBSERVE the following parameters on instruments indicated while performing actions to achieve and maintain cold shutdown.

Instrument	Location
2-CAC-TR-4426-1 Suppression Pool Temp. (Pt. 1)	Control Room Panel
2-CAC-LR-2602 Torus Level	Control Room Panel
2-C32-PI-R605 Reactor Pressure	Control Room Panel
2-C32-LI-R606A Reactor Water Level	Control Room Panel

_____ 2. IF reactor building AND/OR Diesel Generator Building AND/OR Service Water Building entry is required to restore OR monitor equipment, THEN

_____ a. DISPATCH the following minimum manpower for performance of this procedure:

Reactor Building - 1 Auxiliary Operator
Service Water Building - 1 Auxiliary Operator
Diesel Generator Building - 1 Auxiliary Operator

_____ b. OBTAIN the following keys from the Shift Foreman's Key Locker RB.1

_____ (1) ASSD Equipment Cabinet Key #148
_____ (1) ASSD Flashlight Tool Box Key #160

_____ c. OBTAIN Security Access Keys from SAS Security Officer located in the Control Room

AND PROCURE the following equipment from the ASSD Equipment Cabinet:

For Reactor Building

_____ (1) Flashlight
_____ (1) Sound powered phone
_____ (1) Copy of this procedure
_____ (3) Remote Shutdown Keys, Serial T112
_____ (1) Security Access Key
_____ (1) Twenty-five foot sound powered phone extension cord

For Service Water Building

_____ (1) Flashlight
_____ (1) Sound powered phone
_____ (1) Copy of this procedure
_____ (1) Security Access Key
_____ (1) Twenty-five foot sound powered phone extension cord

For Diesel Generator Building

_____ (1) Flashlight
_____ (1) Copy of this procedure
_____ (1) Security Access Key
_____ (14) Door Wedge Blocks

_____ d. USE appropriate figures in this procedure to provide access/egress routes, equipment and communication locations.

_____ 3. IF Diesel Generator operation is required, THEN BLOCK OPEN Diesel Generator Building doors, as indicated on Attachment 1, to establish ventilation for Diesel Generator operations.

_____ 4. VERIFY a flow path DOES NOT exist from the nuclear to conventional header through Conventional Service Water Pump 1A AND 1C AND 2B Discharge Valves by performing the following:

_____ a. PLACE the circuit breaker control switch in the OFF position for Conventional Service Water Water Pump 1A Discharge Valve To Conventional Header, 1-SW-V13, at MCC 2PB compartment E45.

_____ b. PLACE the circuit breaker control switch in the OFF position for Conventional Service Water Pump 1A Discharge Valve To Nuclear Header, 1-SW-V14, at MCC 2PB compartment E44.

R B.1

_____ c. VERIFY Closed OR Manually CLOSE Conventional Service Water Pump 1A Discharge Valve to EITHER the Nuclear Header, 1-SW-V14 OR Conventional Header, 1-SW-V13.

_____ d. PLACE the circuit breaker control switch in the OFF position for Conventional Service Water Pump 1C Discharge Valve To Conventional Header, 1-SW-V17, at MCC 1PB compartment BX8.

_____ e. PLACE the circuit breaker control switch in the OFF position for Conventional Service Water Pump 1C Discharge Valve To Nuclear Header, 1-SW-V18, at MCC 1PB compartment BX9.

_____ f. VERIFY Closed OR Manually CLOSE Conventional Service Water Pump 1C Discharge Valve to EITHER the Nuclear Header, 1-SW-V18 OR Conventional Header, 1-SW-V17.

_____ g. PLACE the circuit breaker control switch in the OFF position for Conventional Service Water Pump 2B Discharge Valve To Conventional Header, 2-SW-V15, at MCC 2PB compartment E36.

_____ h. PLACE the circuit breaker control switch in the OFF position for Conventional Service Water Pump 2B Discharge Valve To Nuclear Header, 2-SW-V16, at MCC 2PB compartment E37.

_____ i. VERIFY Closed OR Manually CLOSE Conventional Service Water Pump 2B Discharge Valve To EITHER the Nuclear Header, 2-SW-V16 OR Conventional Header, 2-SW-V15.

_____ 5. IF Nuclear Service Water Supply Valve, 2-SW-V105 CANNOT be operated from the RTGB, THEN Manually OPERATE 2-SW-V105.

_____ 6. IF Conventional-Nuclear Header Cross-tie Valve, 2-SW-V102 CANNOT be operated from RTGB, THEN Manually OPERATE 2-SW-V102.

_____ 7. IF Nuclear Service Water To Vital Header Valve, 2-SW-V117 CANNOT be operated from the RTGB, THEN Manually OPERATE 2-SW-V117.

_____ 8. IF operation of RHR Service Water System is required AND RHR Service Water Booster Pumps are NOT available, THEN REFER to OP-43.

_____ 9. IF operation of HPCI Steam Supply Inboard Isolation Valve, 2-E41-F002 is required AND power is NOT available from MCC 2XD, THEN

RB.1

_____ a. PLACE the circuit breaker control switch in the OFF position for HPCI Steam Supply Inboard Isolation Valve, 2-E41-F002, at MCC 2XD compartment DW1.

_____ b. PLACE the circuit breaker control switch in the ON position for HPCI Steam Supply Line Isolation Valve, 2-E41-F002, (ASSD FEED) at MCC 2XC compartment DS1.

_____ c. IF 2-E41-F002 is required to be Open, THEN PLACE the ASSD Keylock Control Switch in the OPEN position, at MCC 2XC compartment DS1.

_____ d. IF 2-E41-F002 is required to be Closed, THEN PLACE the ASSD Keylock Control Switch in the CLOSE position, at MCC 2XC compartment DS1.

_____ 10. IF operation of HPCI Turbine Exhaust Vacuum Breaker Valve, 2-E41-F079, is required AND power is NOT available from MCC 2XB, THEN

_____ a. PLACE the circuit breaker control switch in the OFF position for HPCI Turbine Exhaust Vacuum Breaker Valve, 2-E41-F079, at MCC 2XB compartment DQ0.

_____ b. PLACE the circuit breaker control switch in the ON position for HPCI Turbine Exhaust Vacuum Breaker Valve, 2-E41-F079, (ASSD FEED) at MCC 2XC compartment DT2.

_____ c. IF 2-E41-F079 is required to be Open, THEN PLACE the ASSD Keylock Control Switch in the OPEN position, at MCC 2XC compartment DT2.

_____ d. IF 2-E41-F079 is required to be Closed, THEN PLACE the ASSD Keylock Control Switch in the CLOSE position, at MCC 2XC compartment DT2.

_____ 11. IF operation of Shutdown Cooling Outboard Suction Throttle Valve, 2-E11-F008 is required AND power is NOT available from MCC 2XDB, THEN

_____ a. VERIFY OFF OR PLACE the circuit breaker control switch in the OFF position for Shutdown Cooling Suction Throttle Valve, 2-E11-F008, at MCC 2XDB compartment B50.

_____ b. PLACE the circuit breaker control switch in the ON position for RHR Suction Isolation Valve, 2-E11-F008, (ASSD FEED) at MCC 2XDA compartment B26.

RB

_____ c. IF 2-E11-F008 is required to be Open, THEN PLACE the Close/Off/Open Keylock Switch in the Open position, at MCC 2XDA compartment B26.

_____ d. IF 2-E11-F008 is required to be Closed, THEN PLACE the Close/Off/Open Keylock Switch in the CLOSE position, at MCC 2XDA compartment B26.

____ 12. WHEN Shift Foreman determines:

_____ a. Diesel Generator Building doors that were opened/blocked open for Diesel Generator ventilation are no longer required to be open, THEN RESTORE all Diesel Generator Building doors that were opened on Attachment 1 to the closed position.

_____ / _____
Ind/Ver

_____ b. Conventional Service Water Pump 1A Discharge Valves can be operated from normal controls, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 1A Discharge Valve to Conventional Header, 1-SW-V13, at MCC 2PB compartment E45.

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 1A Discharge Valve to Nuclear Header, 1-SW-V14, at MCC 2PB compartment E44.

_____ / _____
Ind/Ver

_____ c. Conventional Service Water Pump 1C Discharge Valves can be operated from normal controls, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 1C Discharge Valve to Conventional Header, 1-SW-V17, at MCC 1PB compartment BX8. R B.

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 1C Discharge Valve to Nuclear Header, 1-SW-V18, at MCC 1PB compartment BX9.

_____ / _____
Ind/Ver

_____ d. Conventional Service Water Pump 2B Discharge Valves can be operated from normal controls, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 2B Discharge Valve to Conventional Header, 2-SW-V15, at MCC 2PB compartment E36.

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 2B Discharge Valve to Nuclear Header, 2-SW-V16, at MCC 2PB compartment E37.

_____ / _____
Ind/Ver

_____ e. Power is available from MCC 2XD for operation of HPCI Steam Supply Inboard Isolation Valve, 2-E41-F002, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for HPCI Steam Supply Inboard Isolation Valve, 2-E41-F002, at MCC 2XD compartment DW1.

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the OFF position for HPCI Steam Supply Line Inboard Isolation Valve, 2-E41-F002, (ASSD FEED) at MCC 2XC compartment DS1.

_____ / _____
Ind/Ver

_____ (3) PLACE the ASSD Keylock Control Switch in the OFF position, for HPCI Steam Supply Line Isolation Valve, 2-E41-F002, at MCC 2XC compartment DS1. RB

_____ / _____
Ind/Ver

_____ f. Power is available from MCC 2XB for operation of HPCI Turbine Exhaust Vacuum Breaker Valve, 2-E41-F079, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for HPCI Turbine Exhaust Vacuum Breaker Valve, 2-E41-F079, at MCC 2XB compartment DQ0.

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the OFF position for HPCI Turbine Vacuum Breaker Valve, 2-E41-F079, (ASSD FEED) at MCC 2XC compartment DT2.

_____ / _____
Ind/Ver

_____ (3) PLACE the ASSD Keylock Control Switch in the OFF position for HPCI Turbine Vacuum Breaker Valve, 2-E41-F079, at MCC 2XC compartment DT2.

_____ / _____
Ind/Ver

_____ g. Power is available from MCC 2XDB for operation of Shutdown Cooling Outboard Suction Throttle Valve, 2-E11-F008, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for Shutdown Cooling Outboard Suction Throttle Valve, 2-E11-F008, at MCC 2XDB compartment B50.

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the OFF position for RHR Suction Isolation Valve, 2-E11-F008, (ASSD FEED) at MCC 2XDA compartment B26.

_____ / _____
Ind/Ver

RB

_____ (3) PLACE the Close/Off/Open Keylock Switch in the OFF position for RHR Suction Isolation Valve, 2-E11-F008, at MCC 2XDA compartment B26.

_____ / _____
Ind/Ver

____ 13. WHEN:

_____ a. The fire has been extinguished AND

_____ b. All breakers, AND/OR switches operated in this procedure are restored to their normal position AND

_____ c. No actions within this procedure are required to achieve or maintain Cold Shutdown, THEN

_____ d. EXIT this procedure.

Date/Time Completed _____

Performed By (Print) _____ Initials

_____ _____

_____ _____

_____ _____

_____ _____

Reviewed By: _____ _____
Shift Foreman

R B

SECTION II
B TRAIN SHUTDOWN

_____ 1. OBSERVE the following parameters on instruments indicated while performing actions to achieve and maintain cold shutdown.

Instrument	Location
2-CAC-TR-778 Suppression Pool Temp. (Pt. 7)	Remote Shutdown Panel
2-CAC-LI-3342 Torus Level	Remote Shutdown Panel
2-C32-PI-3332 Reactor Pressure	Remote Shutdown Panel
2-B21-LI-R604BX Reactor Water Level	Remote Shutdown Panel

_____ 2. IF reactor building AND/OR Diesel Generator Building AND/OR Service Water Building entry is required to restore OR monitor equipment, THEN

_____ a. DISPATCH the following minimum manpower for performance of this procedure:

Reactor Building - 2 Auxiliary Operators
Service Water Building - 1 Auxiliary Operator
Diesel Generator Building - 1 Auxiliary Operator

_____ b. OBTAIN the following keys from the Shift Foreman's Key Locker

RB.1

_____ (1) ASSD Equipment Cabinet Key #148
_____ (1) ASSD Flashlight Tool Box Key #160

_____ c. OBTAIN Security Access Keys from SAS Security Officer located in the Control Room

AND PROCURE the following equipment from the ASSD Equipment Cabinet:

For Reactor Building

_____ (2) Flashlights
_____ (2) Sound powered phones
_____ (2) Copies of this procedure
_____ (4) Remote Shutdown Keys, Serial T112
_____ (2) Security Access Keys
_____ (2) Twenty-five foot sound powered phone extension cords

For Service Water Building

_____ (1) Flashlight
_____ (1) Sound powered phone
_____ (1) Copy of this procedure
_____ (1) Security Access Key
_____ (1) Twenty-five foot sound powered phone extension cord

For Diesel Generator Building

_____ (1) Flashlight
_____ (1) Copy of this procedure
_____ (4) Remote Shutdown Keys, GE #75
_____ (1) Security Access Key
_____ (14) Door Wedge Blocks

_____ d. USE appropriate figures in this procedure to provide access/egress routes, equipment and communication locations.

_____ 3. PLACE Reactor Water Level "NORMAL/LOCAL" switch, 2-B21-CS-3345 at the Remote Shutdown Panel, to the "LOCAL" position to make level indicator 2-B21-LI-R604BX operable.

_____ 4. IF Diesel Generator operation is required, THEN BLOCK OPEN Diesel Generator Building doors, as indicated on Attachment 1, to establish ventilation for Diesel Generator operations.

_____ 5. VERIFY a flow path DOES NOT exist from the nuclear to conventional header through Conventional Service Water Pump 1B AND 2A AND 2C Discharge Valves by performing the following:

_____ a. PLACE the circuit breaker control switch in the OFF position for Conventional Service Water Pump 1B Discharge Valve to Conventional Header, 1-SW-V15, at MCC 1PA compartment BU7.

R B.1

_____ b. PLACE the circuit breaker control switch in the OFF position for Conventional Service Water Pump 1B Discharge Valve to Nucl Header, 1-SW-V16, at MCC 1PA compartment BU8.

_____ c. VERIFY Closed OR Manually CLOSE Conventional Service Water Pump 1B Discharge Valve To EITHER the Nuclear Header, 1-SW-V16 OR Conventional Header, 1-SW-V15.

_____ d. PLACE the breaker control switch in the OFF position for Conventional Service Water Pump 2A Discharge Valve to Conventional Header, 2-SW-V13, at MCC 2PA compartment E07.

_____ e. PLACE the breaker control switch in the OFF position for Conventional Service Water Pump 2A Discharge Valve to Nuclear Header, 2-SW-V14, at MCC 2PA compartment E08.

_____ f. VERIFY Closed OR Manually CLOSE Conventional Service Water Pump 2A Discharge Valve To EITHER the Nuclear Header, 2-SW-V14 OR Conventional Header, 2-SW-V13.

_____ g. PLACE the breaker control switch in the OFF position for Conventional Service Water Pump 2C Discharge Valve to Conventional Header, 2-SW-V17, at MCC 1PA compartment BV0.

_____ h. PLACE the breaker control switch in the OFF position for Conventional Service Water Pump 2C Discharge Valve to Nuclear Header, 2-SW-V18, at MCC 1PA compartment BU9.

_____ i. VERIFY Closed OR Manually CLOSE Conventional Service Water Pump 2C Discharge Valve To EITHER the Nuclear Header, 2-SW-V18 OR Conventional Header. 2-SW-V17.

_____ 6. IF RBCCW Heat Exchangers Service Water Inlet Valve, 2-SW-V106 CANNOT be operated from the RTGB, THEN Manually OPERATE 2-SW-V106.

_____ 7. IF Vital Header Cross-Tie Valve, 2-SW-V118 CANNOT be operated from the RTGB, THEN Manually OPERATE 2-SW-V118.

_____ 8. IF operation of RHR Service Water System is required AND RHR Service Water Booster Pumps are NOT available, THEN REFER to OP-43.

_____ 9. IF operation of RCIC Steam Supply Inboard Isolation Valve, 2-E51-F007 is required AND power is NOT available from MCC 2XC, THEN

RL

_____ a. PLACE the circuit breaker control switch in the OFF position for RCIC Steam Supply Inboard Isolation Valve, 2-E51-F007, at MCC 2XC compartment DS4.

_____ b. PLACE the circuit breaker control switch in the ON position for RCIC Steam Supply Line Isolation Valve, 2-E51-F007, (ASSD FEED) at MCC 2XD compartment DY1.

_____ c. IF 2-E51-F007 is required to be Open, THEN PLACE the ASSD Keylock Control Switch in the OPEN position, at MCC 2XD compartment DY1.

_____ d. IF 2-E51-F007 is required to be Closed, THEN PLACE the ASSD Keylock Control Switch in the CLOSE position, at MCC 2XD compartment DY1.

_____ 10. IF operation of RCIC Turbine Exhaust Vacuum Breaker Valve, 2-E51-F062 is required AND power is NOT available from MCC 2XA, THEN

_____ a. PLACE the circuit breaker control switch in the OFF position for RCIC Turbine Exhaust Vacuum Breaker Valve, 2-E51-F062, at MCC 2XA compartment DE4.

_____ b. PLACE the circuit breaker control switch in the ON position f RCIC Turbine Vacuum Breaker Valve, 2-E51-F062, (ASSD FEED) at MCC 2XD compartment DW2.

_____ c. IF 2-E51-F062 is required to be Open, THEN PLACE the ASSD Keylock Control Switch in the OPEN position, at MCC 2XD compartment DW2.

_____ d. IF 2-E51-F062 is required to be Closed, THEN PLACE the ASSD Keylock Control Switch in the CLOSE position, at MCC 2XD compartment DW2.

_____ 11. IF operation of RHR Suction Isolation Valve, 2-E11-F009 is required AND power is NOT available from MCC 2XA, THEN

_____ a. VERIFY OFF OR PLACE the circuit breaker control switch in the OFF position for RHR Suction Isolation Valve, 2-E11-F009, at MCC 2XA compartment DH3.

_____ b. PLACE the circuit breaker control switch in the ON position for RHR Suction Isolation Valve, 2-E11-F009, (ASSD Feed) at MCC 2XD compartment DX5.

_____ c. IF 2-E11-F009 is required to be Open, THEN PLACE the Close/Off/Open ASSD Feed Keylock Switch in the OPEN position, at MCC 2XD compartment DX5.

_____ d. IF 2-E11-F009 is required to be Closed, THEN PLACE the Close/Off/Open ASSD Feed Keylock Switch in the CLOSE position, at MCC 2XD compartment DX5.

RB

_____ 12. WHEN Shift Foreman determines:

_____ a. Diesel Generator Building doors that were opened/blocked open for Diesel Generator ventilation are no longer required to be open, THEN RESTORE all Diesel Generator Building doors that were opened on Attachment 1 to the closed position.

_____ / _____
Ind/Ver

_____ b. Reactor Water Level indicator, 2-B21-LI-R604BX, is no longer required, THEN PLACE Reactor Water Level "NORMAL/LOCAL" Switch, 2-B21-CS-3345 at the Remote Shutdown Panel, to the "NORMAL" position.

_____ / _____
Ind/Ver

_____ c. Conventional Service Water Pump 1B Discharge Valves can be operated from normal controls, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 1B Discharge Valve to Conventional Header, 1-SW-V15, at MCC 1PA compartment BU7.

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 1B Discharge Valve to Nuclear Header, 1-SW-V16, at MCC 1PA compartment BU8.

_____ / _____
Ind/Ver

_____ d. Conventional Service Water Pump 2A Discharge Valves can be operated from normal controls, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 2A Discharge Valve to Conventional Header, 2-SW-V13, at MCC 2PA compartment E07.

_____ / _____
Ind/Ver

RB

_____ (2) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 2A Discharge Valve to Nuclear Header, 2-SW-V14, at MCC 2PA compartment E08.

_____ / _____
Ind/Ver

_____ e. Conventional Service Water Pump 2C Discharge Valves can be operated from normal controls, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 2C Discharge Valve to Conventional Header, 2-SW-V17, at MCC 1PA compartment BV0.

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the ON position for Conventional Service Water Pump 2C Discharge Valve to Nuclear Header, 2-SW-V18, at MCC 1PA compartment BU9.

_____ / _____
Ind/Ver

_____ f. Power is available from MCC 2XC for operation of RCIC Steam Supply Inboard Isolation Valve, 2-E51-F007, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for RCIC Steam Supply Inboard Isolation Valve, 2-E51-F007, at MCC 2XC compartment DS4.

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the OFF position for RCIC Steam Supply Line Isolation Valve, 2-E51-F007, (ASSD FEED) at MCC 2XD compartment DY1.

_____ / _____ RB
Ind/Ver

_____ (3) PLACE the ASSD Keylock Control Switch in the OFF position, for RCIC Steam Supply Line Isolation Valve, 2-E51-F007, at MCC 2XD compartment DY1.

_____ / _____
Ind/Ver

_____ g. Power is available from MCC 2XA for operation of RCIC Turbine Exhaust Vacuum Breaker Valve, 2-E51-F062, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for RCIC Turbine Exhaust Vacuum Breaker Valve, 2-E51-F062, at MCC 2XA compartment DE4.

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the OFF position for RCIC Turbine Vacuum Breaker Valve, 2-E51-F062, (ASSD FEED) at MCC 2XD compartment DW2.

_____ / _____
Ind/Ver

_____ (3) PLACE the ASSD Keylock Control Switch in the OFF position for RCIC Turbine Vacuum Breaker Valve, 2-E51-F062, at MCC 2XD compartment DW2.

_____ / _____
Ind/Ver

_____ h. Power is available from MCC 2XA for operation of RHR Suction Isolation Valve, 2-E11-F009, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for RHR Suction Isolation Valve, 2-E11-F009, at MCC 2XA compartment DH3.

_____ / _____
Ind/Ver

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_____ (2) PLACE the circuit breaker control switch in the OFF position for RHR Suction Isolation Valve, 2-E11-F009, (ASSD FEED) at MCC 2XD compartment DX5.

_____ / _____
Ind/Ver

_____ (3) PLACE the Close/Off/Open ASSD Keylock Switch in the OFF position for RHR Suction Isolation Valve, 2-E11-F009, at MCC 2XD compartment DX5.

_____ / _____
Ind/Ver

____ 13. WHEN:

_____ a. The fire has been extinguished AND

_____ b. All breakers, AND/OR switches operated in this procedure are restored to their normal position AND

_____ c. No actions within this procedure are required to achieve or maintain Cold Shutdown, THEN

_____ d. EXIT this procedure.

Date/Time Completed _____

Performed By (Print) _____ Initials

_____ _____

_____ _____

_____ _____

_____ _____

Reviewed By: _____
Shift Foreman

R B.

____ 13. WHEN:

_____ a. The fire has been extinguished AND

_____ b. All breakers, AND/OR switches operated in this procedure are restored to their normal position AND

_____ c. No actions within this procedure are required to achieve or maintain Cold Shutdown, THEN

_____ d. EXIT this procedure.

Date/Time Completed _____

Performed By (Print)	Initials
_____	_____
_____	_____
_____	_____
_____	_____

Reviewed By: _____
Shift Foreman

R B.

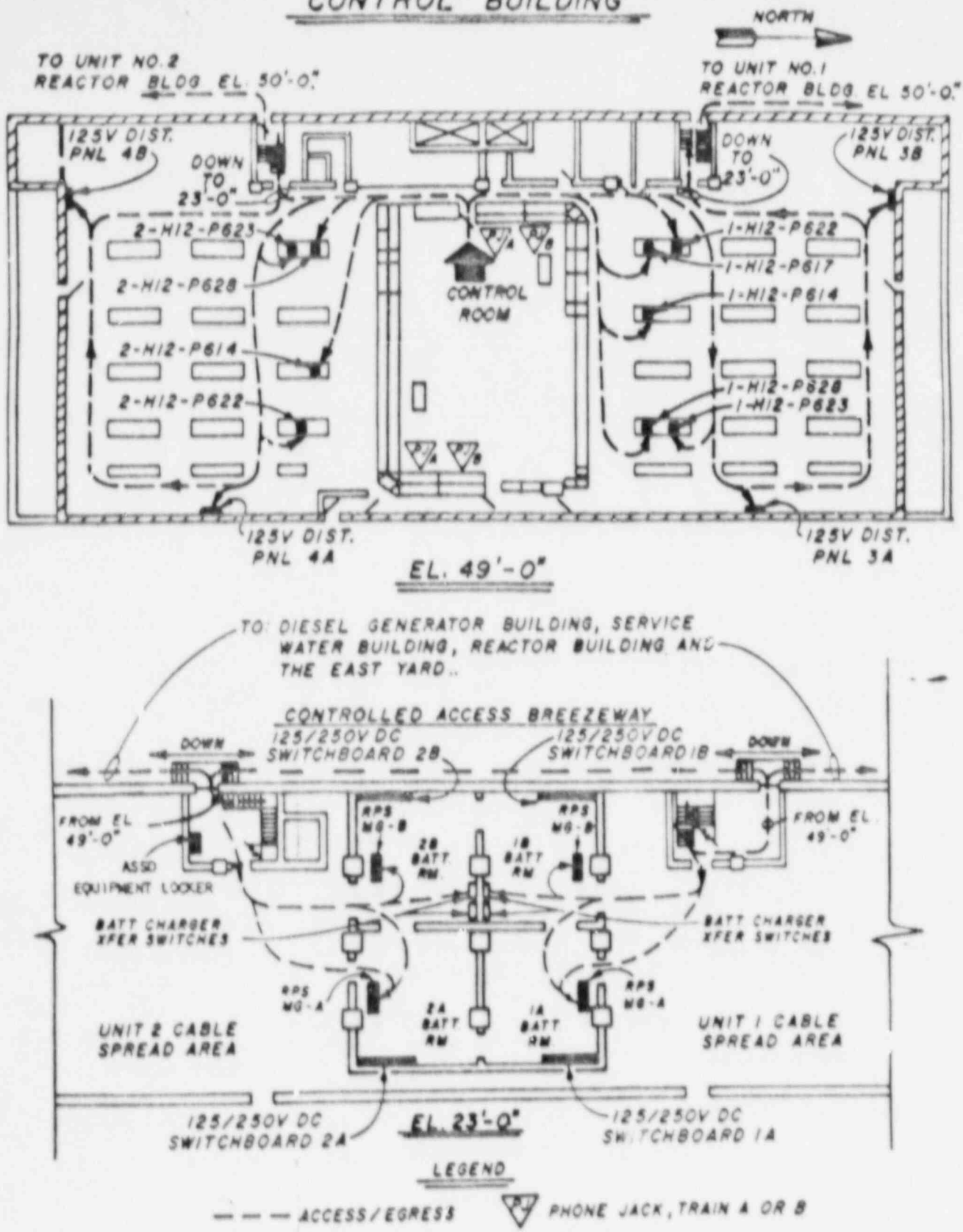


FIGURE 1

Control Building 23'0" and 49'0" Elevations Access/Egress
and
Sound Powered Phone Communications

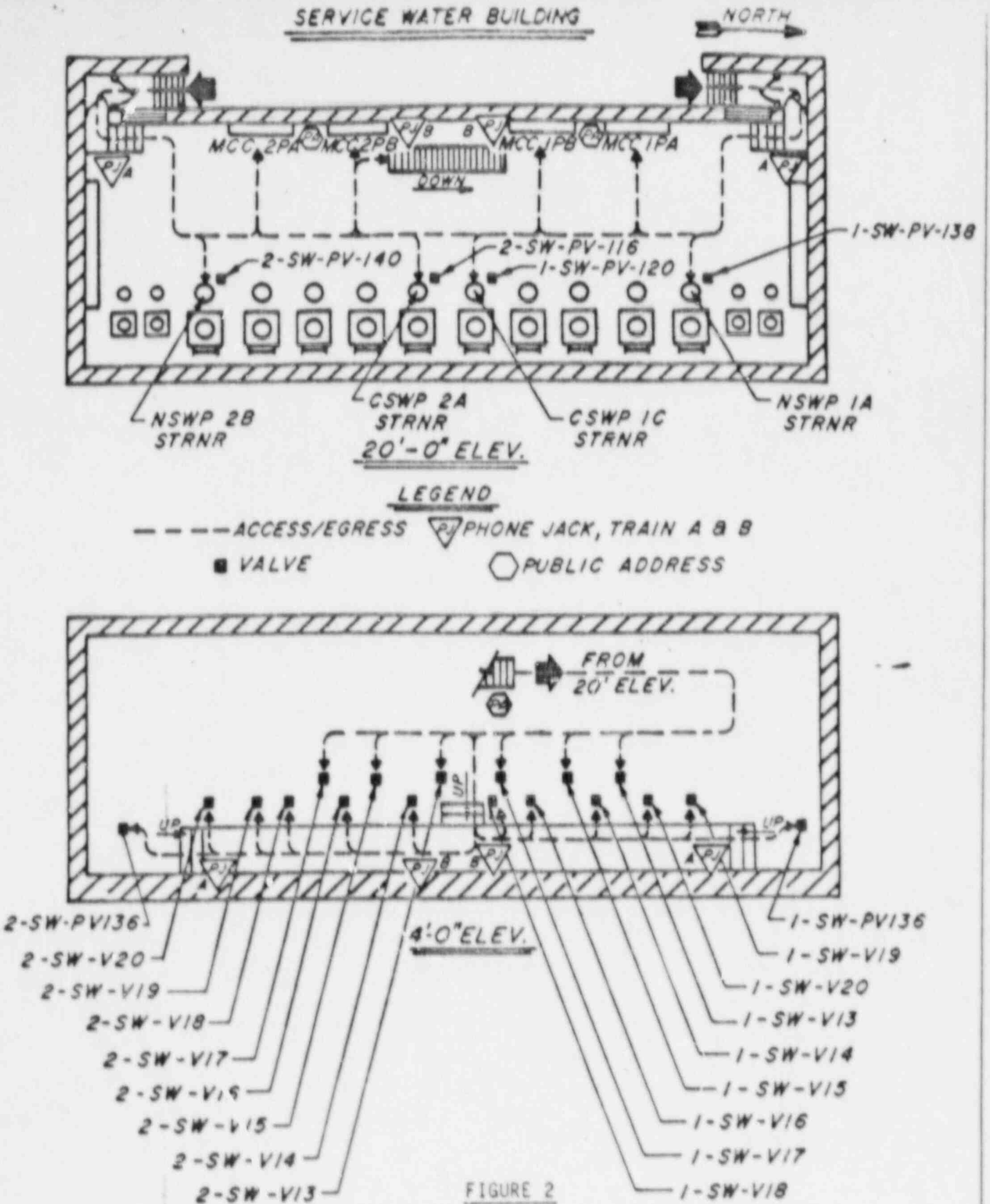


FIGURE 2

Service Water Building 20'-0" and 4'-0" Elevation - Access/Egress
and
Sound Powered Phone Communications

R

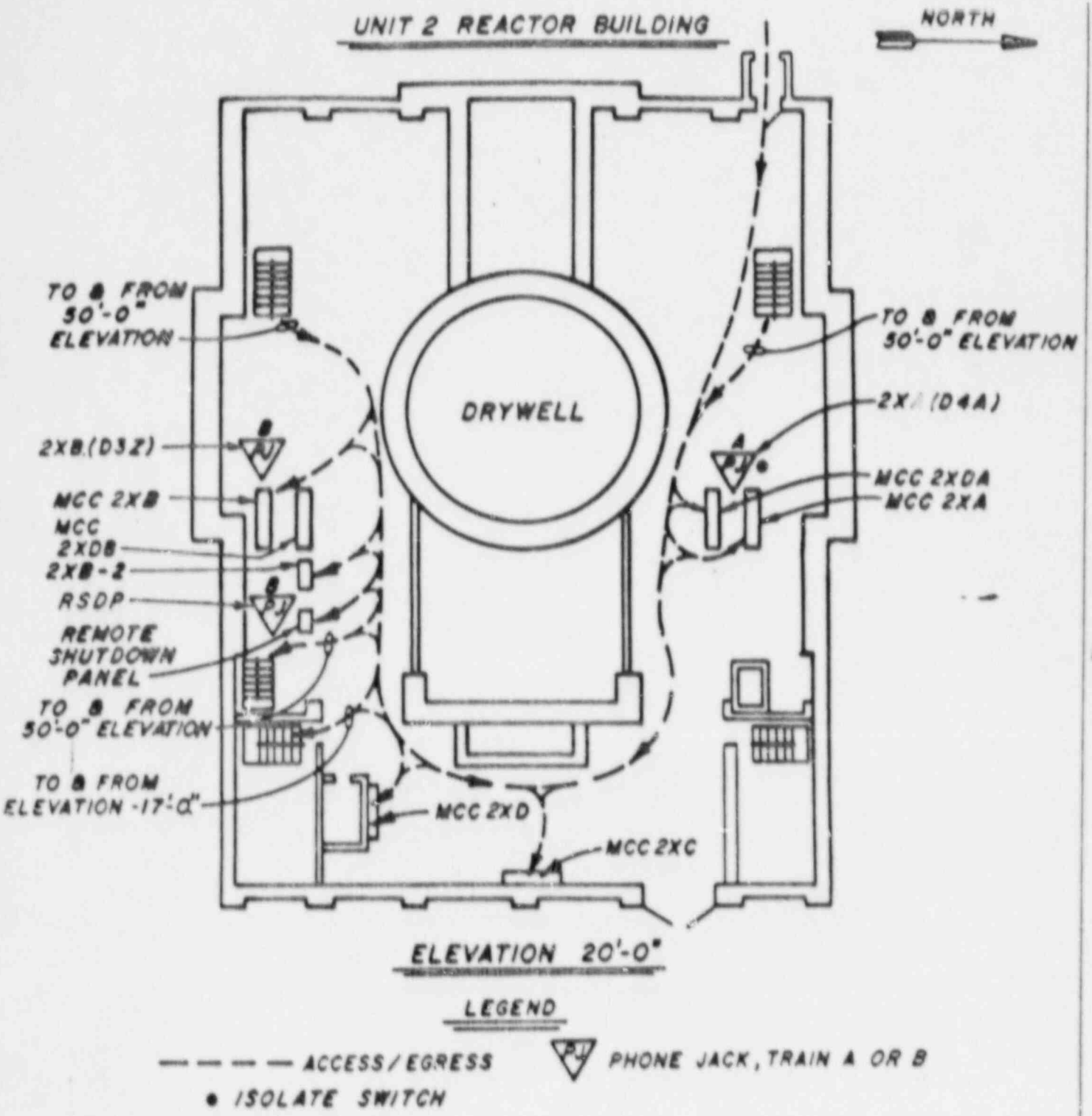


FIGURE 3

Unit 2 Reactor Building 20'-0" Elevation - Access/Egress
and
Sound Powered Phone Communications

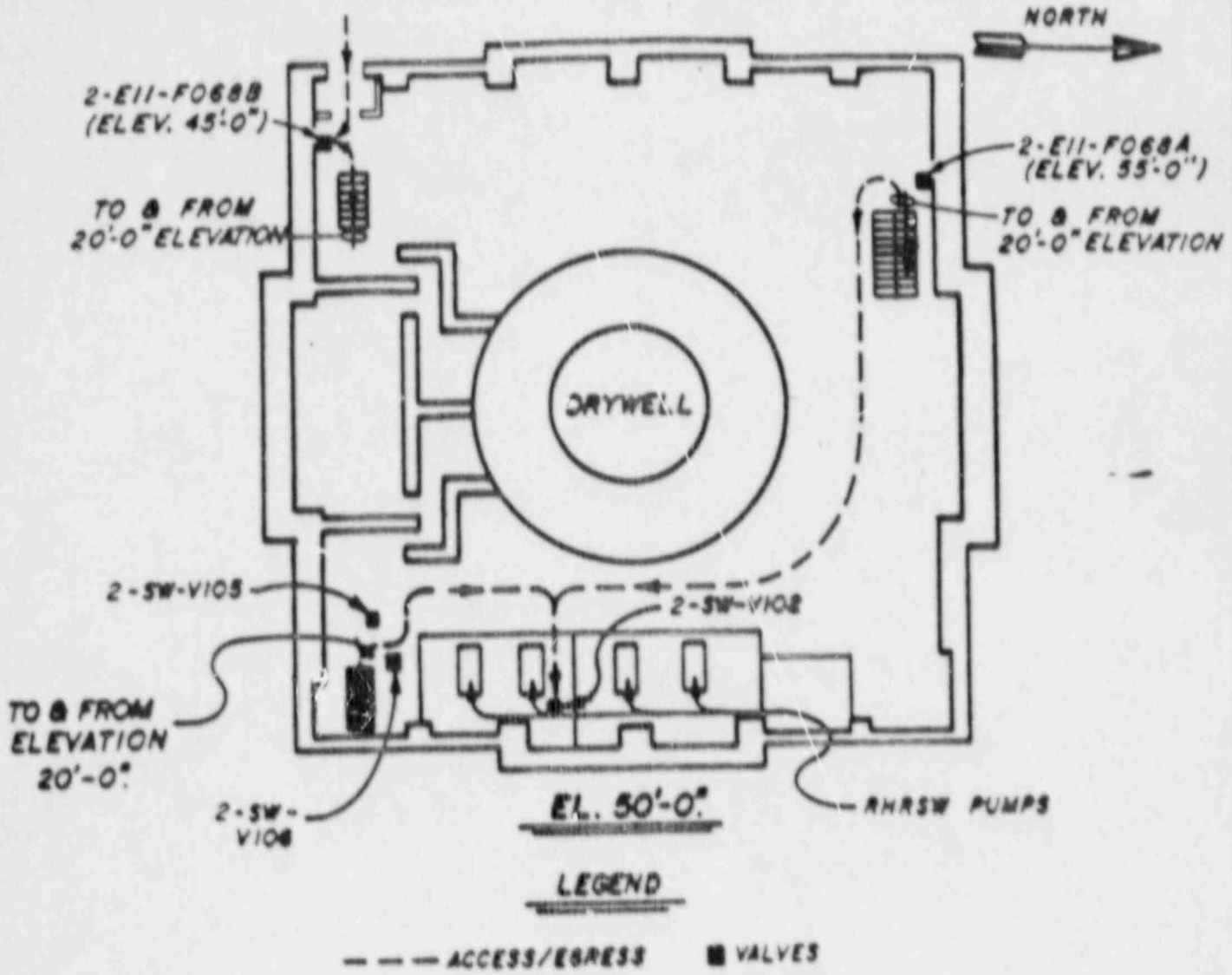
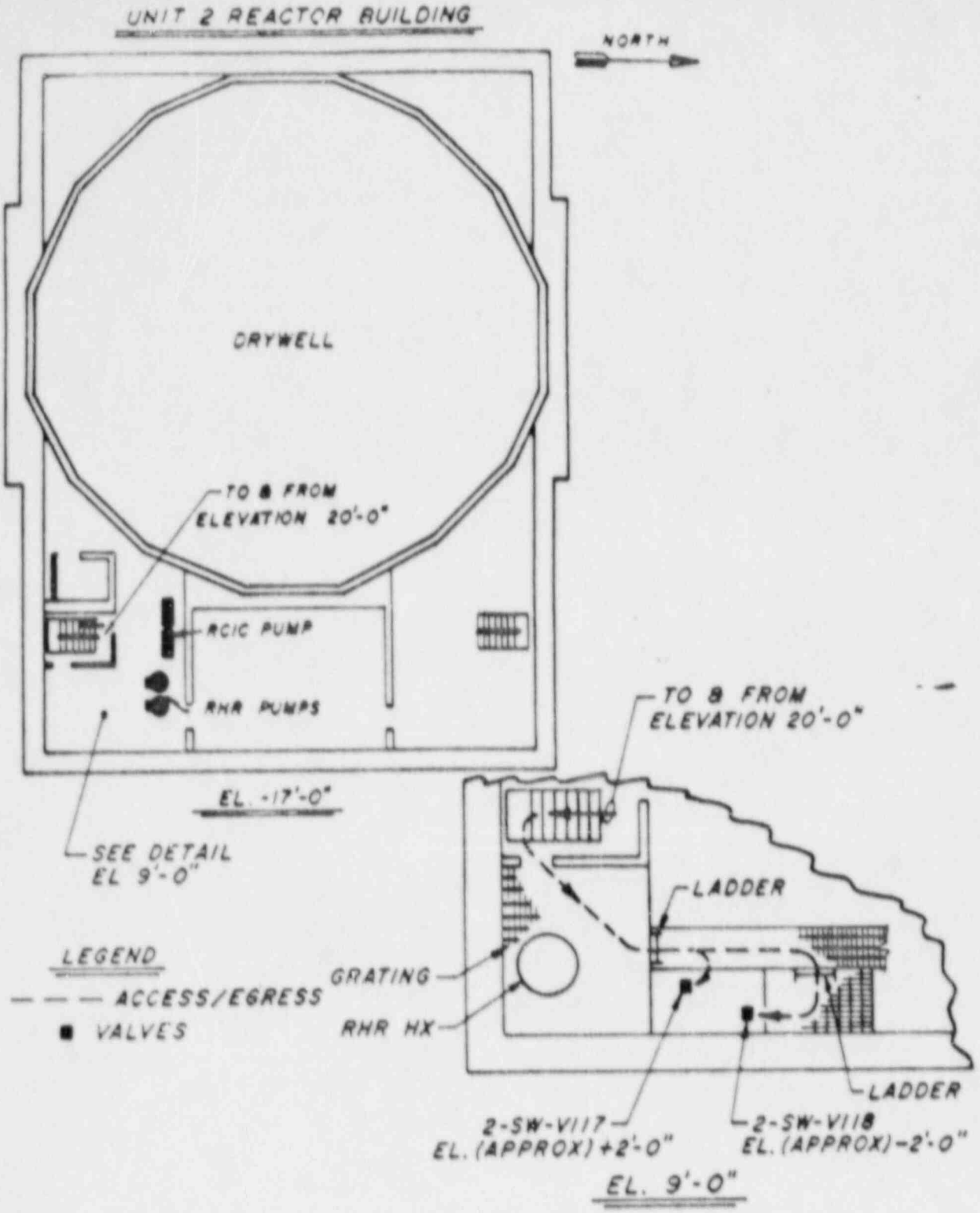


FIGURE 4

Unit 2 Reactor Building 50' -0" Elevation - Access/Egress



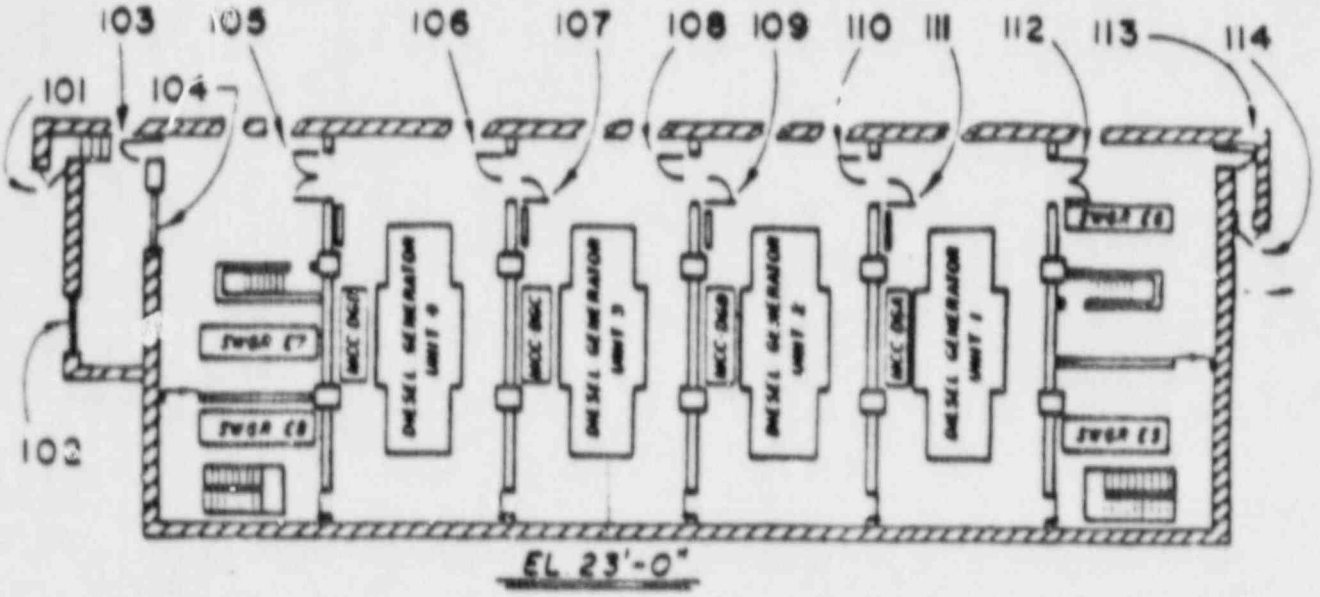
R B

FIGURE 5

Unit 2 Reactor Building -17' -0" Elevation - Access/Egress
and
Sound Powered Phone Communications

DIESEL GENERATOR VENTILATION

1. OPEN/BLOCK OPEN doors identified on drawing below.
2. BLOCK OPEN doors using door wedge blocks.



RB.2

ATTACHMENT 1

Diesel Generator Building Door Position
For
Diesel Cell Ventilation