CAROLINA POWER & LIGHT COMPANY
BRUNSWICK STEAM ELECTRIC PLANT

UNIT 1

PROCEDURE TYPE: ALTERNATIVE SAFE SHUTDOWN PROCEDURE

NUMBER: ASSD-27

PROCEDURE TITLE: DIESEL GENERATOR BUILDING 1' ELEVATION
DIESEL GENERATOR NO. 3 FOUR DAY STORAGE
TANK ROOM

RB.1

Rev. 0

4/4/88

Approved by: S A [illegible] Date: 4/10/88
General Manager/Manager-Operations

LIST OF EFFECTIVE PAGES

ASSD-27

Page(s)	Revision
1-12	0

RB.1

A. TITLE

Diesel Generator Building 1' Elevation
Diesel Generator No. 3 Four Day Storage Tank Room

B. REFERENCES

1. Per 10CFR50 Appendix "R" Sections III.G & L.

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

C. ENTRY CONDITION

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

_____ 1. A fire has occurred in an area containing Alternative Safe Shutdown Train A equipment,

AND

_____ 2. 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 EOPs and other operations procedures to achieve and maintain Cold Shutdown coincident with or without a 72 hour loss of off-site power. RB.1

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

Instrument	Location
1-CAC-TR-778 Suppression Pool Water Temp. (Pt. 7)	Remote Shutdown Panel
1-CAC-LI-3342 Torus Level	Remote Shutdown Panel
1-C32-PI-3332 Reactor Pressure	Remote Shutdown Panel
1-B21-LI-R614BX Reactor Water Level	Remote Shutdown Panel

____ 3. IF reactor building entry is required to restore OR monitor equipment, THEN

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

Reactor Building - . Auxiliary Operators

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

_____ (1) ASSD Equipment Cabinet Key #148
_____ (1) ASSD Flashlight Tool Box Key #150

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

_____ d. USE appropriate figures in this procedure to provide access/egress routes, equipment and communication locations. RB.1

_____ 4. PLACE Reactor Water Level "NORMAL/LOCAL" switch, 1-B21-CS-3345 at the Remote Shutdown Panel, to the "LOCAL" position to make level indicator 1-B21-LI-R604BX operable.

_____ 5. IF RBCCW Heat Exchangers Service Water Inlet Valve, 1-SW-V106 CANNOT be operated from the RTGB, THEN Manually OPERATE 1-SW-V106.

_____ 6. IF Vital Header Cross-tie Valve, 1-SW-V118 CANNOT be operated from the RTGB, THEN Manually OPERATE 1-SW-V118.

_____ 7. IF operation of RHR Service Water System is required AND RHR Service Water Booster Pumps are NOT available, THEN REFER to OP-43.

_____ 8. IF operation of RCIC Steam Supply Inboard Isolation Valve, 1-E51-F007 is required AND power is NOT available from MCC 1XC, THEN

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

_____ b. PLACE the circuit breaker control switch in the ON position for RCIC Steam Supply Line Isolation Valve, 1-E51-F007, (ASSD FEED) at MCC 1XD compartment DY1.

_____ c. IF 1-E51-F007 is required to be Open, THEN PLACE the ASSD Keylock Control Switch in the OPEN position, at MCC 1XD compartment DY1.

_____ d. IF 1-E51-F007 is required to be Closed, THEN PLACE the ASSD Keylock Control Switch in the CLOSE position, at MCC 1XD compartment DY1.

_____ 9. IF operation of RCIC Turbine Exhaust Vacuum Breaker Valve, 1-E51-F062 is required AND power is NOT available from MCC 1XA, THEN

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

_____ b. PLACE the circuit breaker control switch in the ON position for RCIC Turbine Vacuum Breaker Valve, 1-E51-F062, (ASSD FEED) at MCC 1XD compartment DW2.

_____ c. IF 1-E51-F062 is required to be Open, THEN PLACE the ASSD Keylock Control Switch in the OPEN position, at MCC 1XD compartment DW2. RB.1

_____ d. IF 1-E51-F062 is required to be Closed, THEN PLACE the ASSD Keylock Control Switch in the CLOSE position, at MCC 1XD compartment DW2.

_____ 10. IF operation of Shutdown Cooling Inboard Suction Throttle Valve, 1-E11-F009 is required AND power is NOT available from MCC 1XA, THEN

_____ a. VERIFY OFF OR PLACE the circuit breaker control switch in the OFF position for Shutdown Cooling Inboard Suction Throttle Valve, 1-E11-F009, at MCC 1XA compartment DH3.

_____ b. PLACE the circuit breaker control switch in the ON position for RHR Suction Isolation Valve, 1-E11-F009, (ASSD FEED) at MCC 1XD compartment DX5.

_____ c. IF 1-E11-F009 is required to be Open, THEN PLACE the Close/Off/Open ASSD Feed Keylock Switch in the OPEN position, at MCC 1XD compartment DX5.

_____ d. IF 1-E11-F009 is required to be Closed, THEN PLACE the Close/Off/Open ASSD Feed Keylock Switch in the CLOSE position, at MCC 1XD compartment DX5.

____ 11. WHEN Shift Foreman determines:

_____ a. Power is available from MCC 1XC for operation of RCIC Steam Supply Inboard Isolation Valve, 1-E51-F007, THEN

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

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the OFF position for RCIC Steam Supply Line Isolation Valve, 1-E51-F007, (ASSD FEED) at MCC 1XD compartment DY1.

_____ / _____
Ind/Ver

RB.1

_____ (3) PLACE the ASSD Keylock Control Switch in the OFF position, for RCIC Steam Supply Line Isolation Valve, 1-E51-F007, at MCC 1XD compartment DY1.

_____ / _____
Ind/Ver

_____ b. Power is available from MCC 1XA for operation of RCIC Turbine Exhaust Vacuum Breaker Valve, 1-E51-F062, THEN

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

_____ / _____
Ind/Ver

_____ (2) PLACE the circuit breaker control switch in the OFF position for RCIC Turbine Vacuum Breaker Valve, 1-E51-F062, (ASSD FEED) at MCC 1XD compartment DW2.

_____ / _____
Ind/Ver

_____ (3) PLACE the ASSD Keylock Control Switch in the OFF position for RCIC Turbine Vacuum Breaker Valve, 1-E51-F062, at MCC 1XD compartment DW2.

_____/_____
Ind/Ver

_____ c. Power is available from MCC 1XA for operation of Shutdown Cooling Inboard Suction Throttle Valve, 1-E11-F009, THEN

_____ (1) PLACE the circuit breaker control switch in the ON position for Shutdown Cooling Inboard Suction Throttle Valve, 1-E11-F009, at MCC 1XA compartment DH3.

_____/_____
Ind/Ver

____ (2) PLACE the circuit breaker control switch in the OFF position for RHR Suction Isolation Valve, 1-E11-F009, (ASSD FEED) at MCC 1XD compartment DX5.

_____/_____
Ind/Ver

RB.1

_____ (3) PLACE the Close/Off/Open ASSD Keylock Switch in the OFF position for RHR Suction Isolation Valve, 1-E11-F009, at MCC 1XD compartment DX5.

_____/_____
Ind/Ver

_____ d. Reactor Water Level indicator, 1-B21-LI-R604BX, is no longer required, THEN PLACE Reactor Water Level "NORMAL/LOCAL" Switch, 1-B21-CS-3345 at the Remote Shutdown Panel, to the "NORMAL" position.

_____/_____
Ind/Ver

____ 12. 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

RB.:

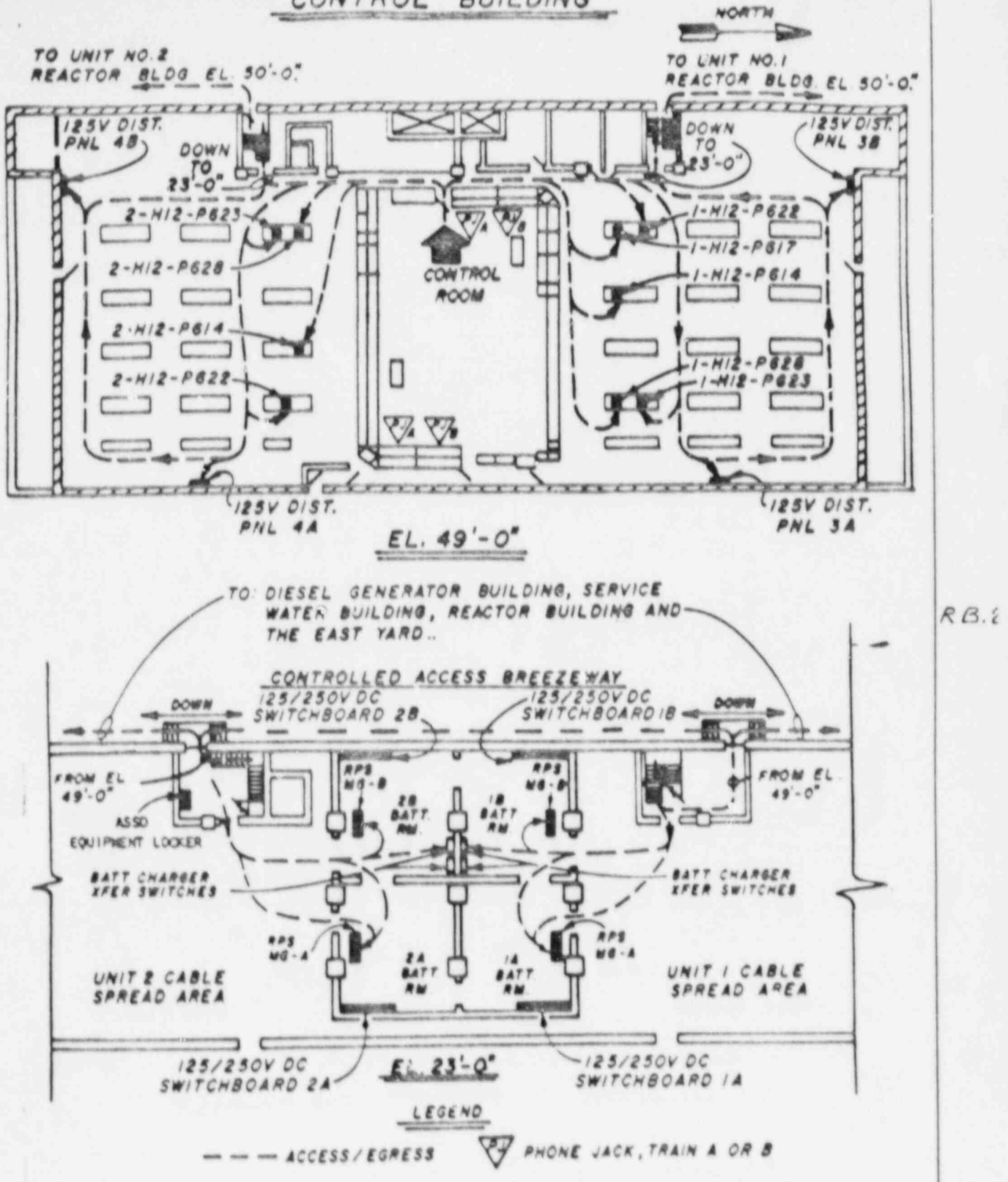

FIGURE 1

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

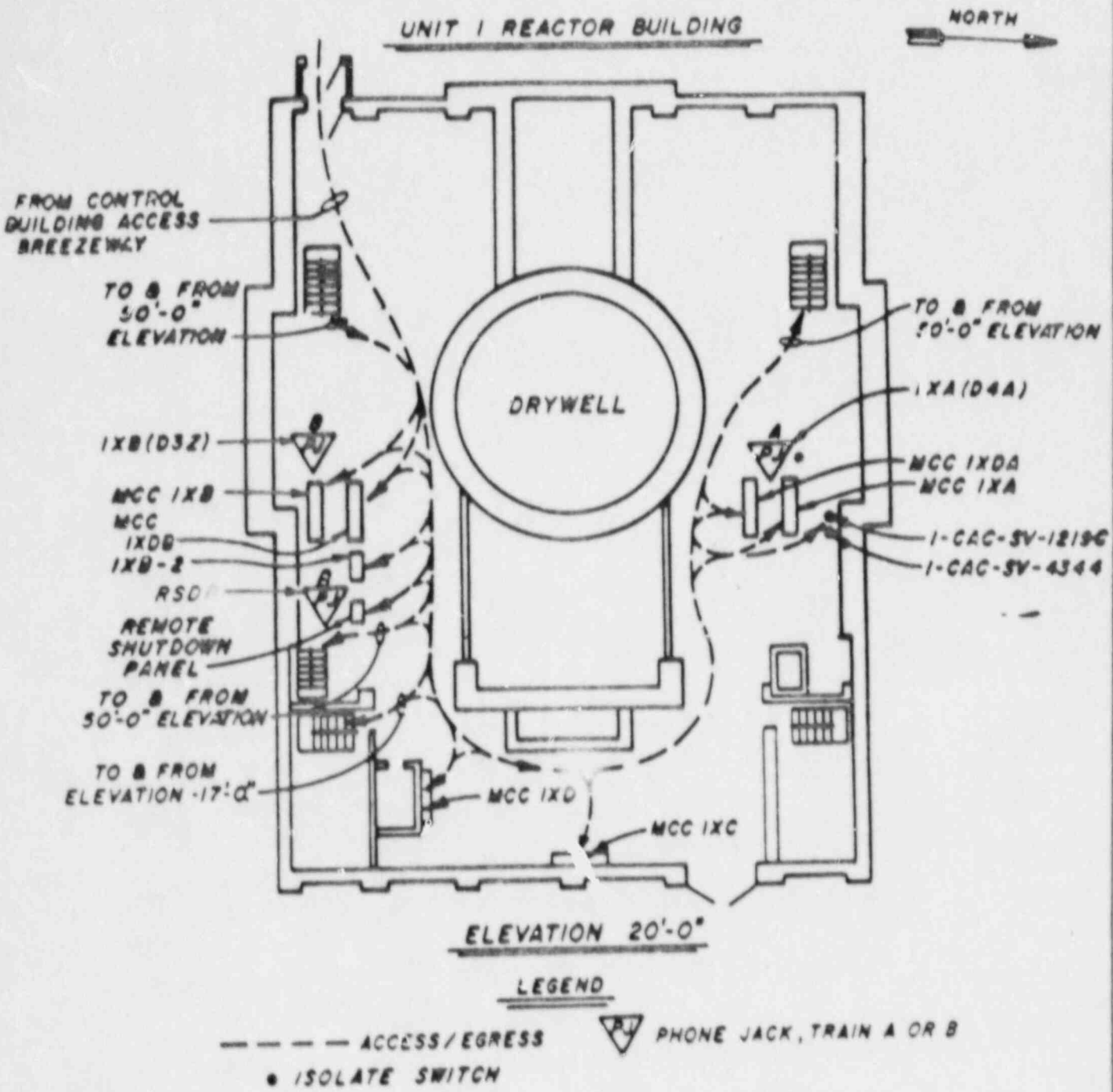

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FIGURE 2

Unit 1 Reactor Building 20'-0" Elevation - Access/Egress
and
Sound Powered Phone Communications

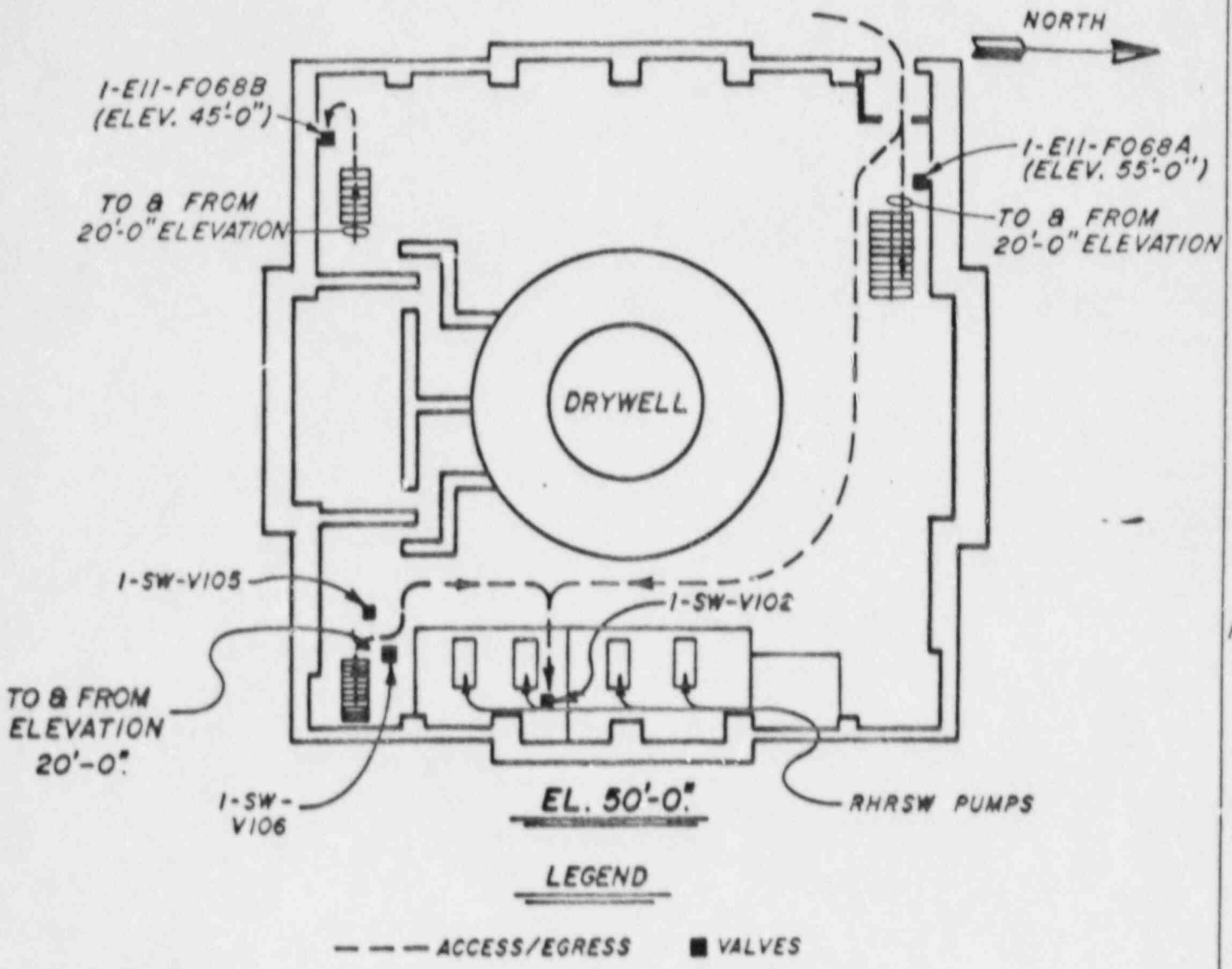

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FIGURE 3

Unit 1 Reactor Building 50'-0" Elevation - Access/Egress

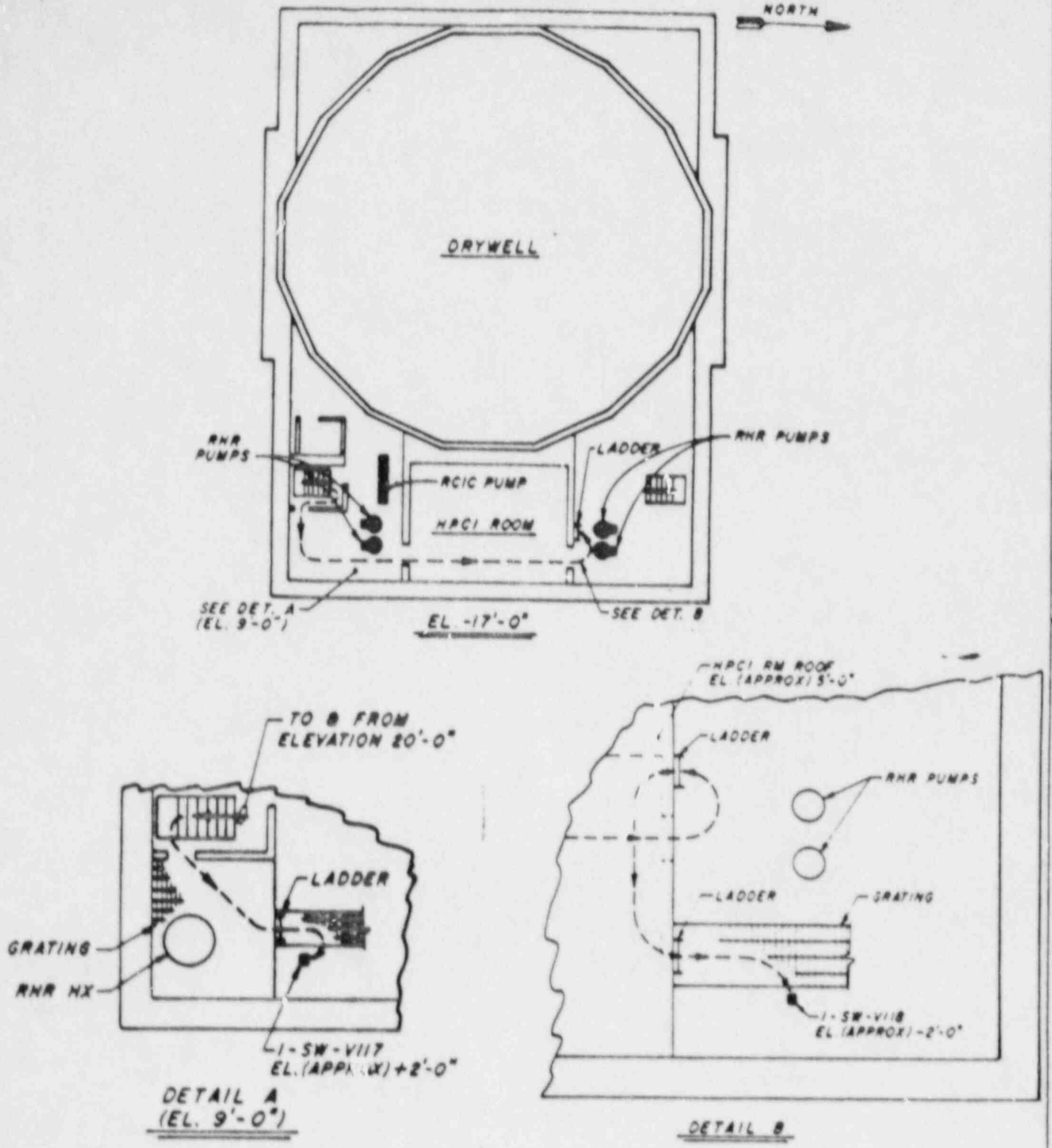

FIGURE 4

Unit 1 Reactor Building -17'-0" Elevation - Access/Egress