

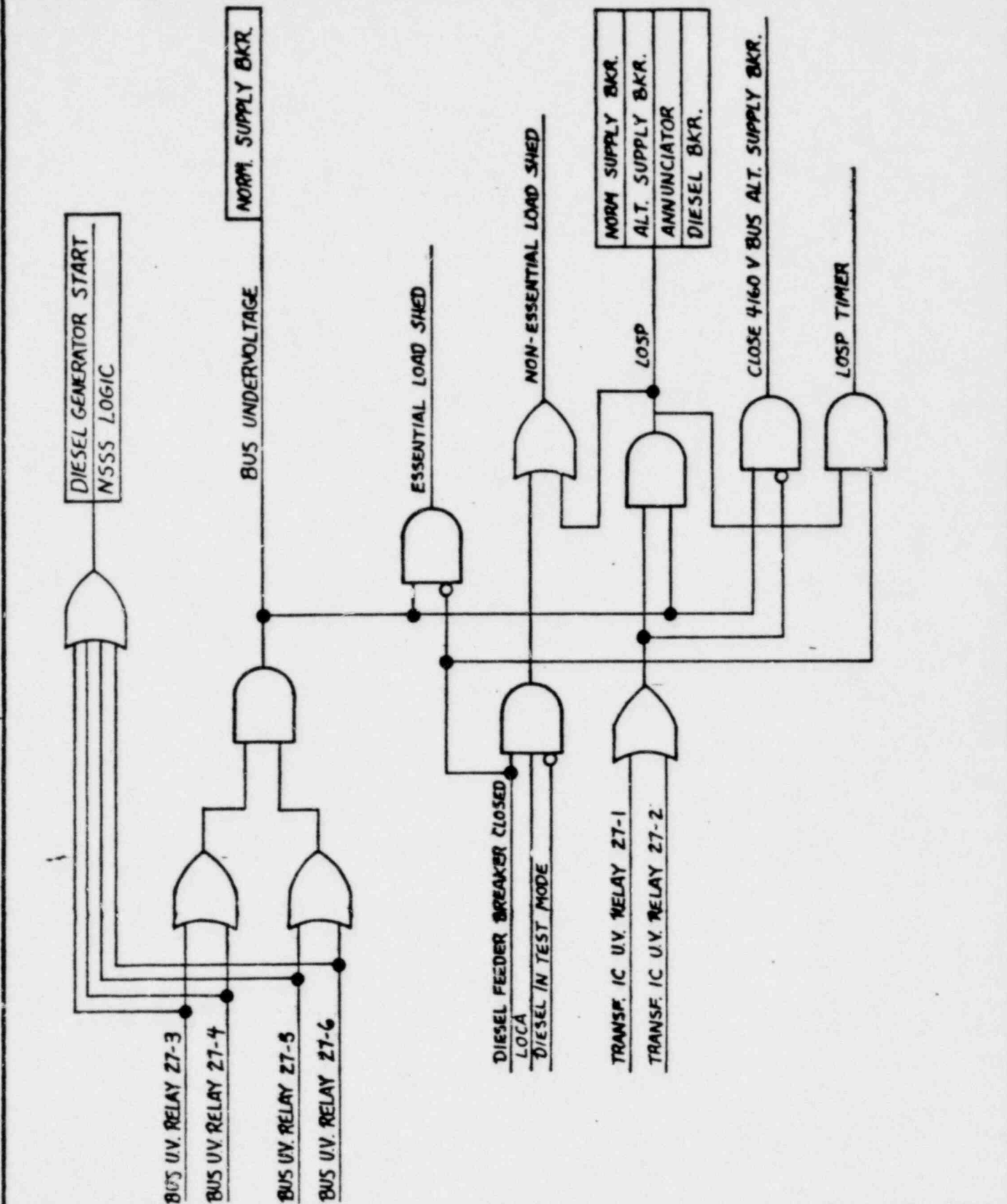
TABLE 3.2-12

INSTRUMENTATION WHICH INITIATES THE DISCONNECTION
OF OFFSITE POWER SOURCES

<u>Ref. No.</u> <u>(a)</u>	<u>Required</u> <u>Instrument</u> <u>(b)</u>	<u>Required</u> <u>Operable</u> <u>Channels</u>	<u>Required</u> <u>To Trip</u>	<u>Trip Setting</u> <u>(c)</u>	<u>Action to be Taken</u> <u>if the Number of</u> <u>Required Operable</u> <u>Channels Is Not Met</u>
1	4.16 Kv Emergency Bus Undervoltage Relay (Loss of Voltage Condition)	4/Bus	2/Bus	\geq 2496 volts At 2496 volts time delay will be \leq 4.5 seconds	(d)
2	4.16 Kv Emergency Bus Undervoltage Relay (Degraded Voltage Condition)	4/Bus	2/Bus	\geq 3120 volts At 3120 volts time delay will be \leq 17.0 seconds	(d)

NOTES FOR TABLE 3.2-12

- The column entitled "Ref. No." is only for convenience so that a one-to-one relationship can be established between items in Table 3.2-12 and items in Table 4.2-12.
- This instrumentation is required to be operable during reactor startup, power operation, and hot shutdown.
- The allowable values for the trip setting are the same.
- With the number of operable channels one less than the required operable channels, operation may proceed until performance of the next required instrument functional test provided the inoperable channel is placed in the tripped condition within one hour.



REV.	DATE	BY	DESCRIPTION	APPR 1	APPR 2	APPR 3	APPR 4	APPR 5

Southern Company Services, Inc. FOR

PLANT HATCH - UNIT NO. 1
TYPICAL BUS UNDERVOLTAGE PROTECTION LOGIC DIAG.

REV

DAB

CONTINUED ON SHEET

PROJECT I.D. DWG NO. SHEET REV.

A-UVL-1

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