

**NOTES:**

- THIS LOGIC IS APPLICABLE TO THE FOLLOWING:
- FOR SWITCH TYPES SEE DWG. 9-Z-40421.
- TRAIN B SEE DWG. 9-Z-41848.
- TRAIN A & B ISOLATION DEVICES LOCATED ON PANELS ZLP-659 & ZLP-660 RESPECTIVELY.

| COMPUTER POINT |             | SERVICE                       | TRAIN | CHANNEL | VALVE NO. | SOLENOID VLV. NO. | CONTROL R.M. SW. LOCATION | HANDSWITCH TAG NO. | POSITION SWITCHES |          | ELEC. REF. DWG. NO. |
|----------------|-------------|-------------------------------|-------|---------|-----------|-------------------|---------------------------|--------------------|-------------------|----------|---------------------|
| POSITION       | BYPASS/INOP |                               |       |         |           |                   |                           |                    | OPEN              | CLOSE    |                     |
| CCED 4540      | CCQD 4540   | CCW TO POST ACCIDENT SAMPLING | A     | I       | FV-4540   | FY-4540           | ZCP-002                   | HS-4540            | ZSO-4540          | ZSC-4540 | 9-E-CC50-01         |
| CCED 4541      | CCQD 4541   | CCW TO POST ACCIDENT SAMPLING | B     | II      | FV-4541   | FY-4541           | ZCP-002                   | HS-4541            | ZSO-4541          | ZSC-4541 | 9-E-CC50-01         |

**GENERAL NOTE :**  
THIS DWG. REPRESENTS FUNCTIONAL REQUIREMENTS ONLY.

| REV | HL&P     | DATE    | REV | HL&P     | DATE    |
|-----|----------|---------|-----|----------|---------|
| 1   | TE RCM   | 4/27/87 | 243 | VCS      | 6/15/88 |
|     | 14828001 |         |     | 14828001 |         |

| NUCLEAR SAFETY RELATED                                                         |  |         |  |                 |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------|--|---------|--|-----------------|--|--|--|--|--|--|--|
| CCW TO POST ACCIDENT SAMPLING SYSTEM ISOLATION VALVES LOGIC DIAGRAM SYSTEM: CC |  |         |  |                 |  |  |  |  |  |  |  |
| SCALE                                                                          |  | JOB NO. |  | DRAWING NO.     |  |  |  |  |  |  |  |
| NONE                                                                           |  | 14828   |  | 5R-20-9-Z-42067 |  |  |  |  |  |  |  |

SI  
APERTURE  
CARD

| GENERAL NOTE :                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1<br>REV                                            |  |  | 4/27/67<br>DATE  |  |  | 243<br>REV       |  |  | 6/15/67<br>DATE |  |  | NUCLEAR SAFETY RELATED |  |  | 4                                                                                       |  |          |  |                 |  |  |
|----------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------------------------------------------------|--|--|------------------|--|--|------------------|--|--|-----------------|--|--|------------------------|--|--|-----------------------------------------------------------------------------------------|--|----------|--|-----------------|--|--|
| THIS DWG. REPRESENTS FUNCTIONAL REQUIREMENTS ONLY. |  |  |  |  |  |  |  |  |  |  |  |  |  |  | HL&P<br>14928001                                    |  |  | HL&P<br>14928001 |  |  | HL&P<br>14928001 |  |  |                 |  |  |                        |  |  |                                                                                         |  |          |  |                 |  |  |
|                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BECHTEL ENERGY CORPORATION<br>HOUSTON, TEXAS        |  |  |                  |  |  |                  |  |  |                 |  |  |                        |  |  | CCW TO POST ACCIDENT SAMPLING<br>SYSTEM ISOLATION VALVES<br>LOGIC DIAGRAM<br>SYSTEM: CC |  |          |  |                 |  |  |
|                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  | HOUSTON LIGHTING & POWER CO.<br>SOUTH TEXAS PROJECT |  |  |                  |  |  |                  |  |  |                 |  |  |                        |  |  | SCALE                                                                                   |  | JOB NO.  |  | DRAWING NO.     |  |  |
|                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                     |  |  |                  |  |  |                  |  |  |                 |  |  |                        |  |  | A404E                                                                                   |  | 14928001 |  | 5R-20-9-Z-42067 |  |  |

I certify that the images contained on this frame were made in the normal and regular course of business on the date stated below and that it is an accurate reproduction of the document submitted to micrographics.

Date 10-25-78  
Operator Robert Gehl Supervisor Frank R. Gilly



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PDR RIDS

