



LEGEND:

- MCB: MAIN CONTROL BOARD
- SUR: START UP RATE
- DRM: DECADES PER MINUTE
- P/O: PART OF
- : RACK MOUNTED SWITCH
- ◻: RACK MOUNTED VISUAL ANNUNCIATOR
- ◻: AUDIBLE ANNUNCIATOR
- S.R.: SOURCE RANGE
- I.R.: INTERMEDIATE RANGE
- P.R.: POWER RANGE
- NC 46B: INDICATES THAT THE DEVICE OR INSTRUMENT CHANNEL HAS A BISTABLE LOGIC "1" OUTPUT WHEN:
 - ◻ THE PARAMETER MEASURED IS GREATER THAN A PRESET VALUE
 - ◻ THE PARAMETER MEASURED IS LESS THAN A PRESET VALUE
 - ◻ THE PARAMETER MEASURED DEVIATES FROM A PRESET VALUE BY MORE THAN A PRESET AMOUNT.
- ◻ OR ◻ OR ◻: SAME AS ABOVE EXCEPT WITH AN AUTOMATICALLY SET VARIABLE VALUE
- ◻ OR ◻ OR ◻: SAME AS ABOVE EXCEPT WITH REQUIRED HYSTERESIS BETWEEN TURN ON AND TURN OFF

NOTES:

- COMPARATOR DESIGN TO INCORPORATE PROVISIONS FOR DISABLING THE DEVIATING CHANNEL AND PERMIT CONTINUED OPERATION OF COMPARATOR WITH REMAINING THREE CHANNELS.
- ROD SPEED CONTROL CIRCUIT NOT USED ON 3 LOOP PLANTS. SEE DWG. 5655051 NOTE 3.
- TAG NOS. SHOWN IN PARENTHESIS ARE ASSIGNED BY THE EQUIPMENT MANUFACTURER.
- HIGH FLUX DEVIATION DESIGN TO INCORPORATE PROVISIONS FOR DISABLING A CHANNEL AND PERMIT CONTINUED OPERATION OF CIRCUIT WITH REMAINING THREE CHANNELS.

INFORMATION
THIS DOCUMENT IS SUBJECT TO REVISION WITHOUT NOTIFICATION TO THE USER OF THIS COPY

SOUTH TEXAS PROJECT UNITS: 1 AND 2 STATUS: CERTIFIED FOR CONSTRUCTION CERTIFICATION LETTER NO. ST-WH-88-00564 AUTHORITY: G. L. HOHMANN ENGR. LTR. NO. EP/SA-5283		TITLE: NUCLEAR INSTRUMENTATION SYS AUXILIARY CHANNELS FUNCTIONAL BLOCK DIAGRAMS SCALE: 5655D52 DIMENSIONS IN INCHES DO NOT SCALE.
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41
11
58
8.5"
11"
17"

41
11
58
8.5"
11"
17"

36 D 24 I C B A A O B A I B C I 24 D

2111 X0783 W/n

RIDS

8113070276

EMV WEST
DDAELE

