



- NOTES:**
- 29" INSIDE DIAMETER.
 - 31" INSIDE DIAMETER.
 - 27.5" INSIDE DIAMETER.
 - SPRAY LINE SCOOP.
 - ELBOW FLOW METERS.
 - VENT PIPE FURNISHED WITH REACTOR VESSEL HEAD, WITH REACTOR VESSEL LINE. RC20478B2 IS CONNECTED TO THE MONITOR TUBE AND LINE. RC20438B2 IS CONNECTED TO THE OUTER MONITOR TUBE.
 - INCLINED INJECTION NOZZLE.
 - PIPELINE CONNECTION IN BOTTOM HALF OF REACTOR COOLANT PIPING. 45 DEGREE ANGLE TO VERTICAL.
 - LOOP IDENTIFICATION AS SHOWN.
 - PROVIDE 1" ID FLOW RESTRICTOR PER DWG 9F05051 FOR TRANSITION FROM SCI TO SC2.
 - DELETED.
 - STRAP-ON (SURFACE MOUNTED) RTD LOCATED AT BOTTOM OF PIPE.
 - FAST RESPONSE, NARROW RANGE TEMPERATURE DETECTORS, AROUND THE PERIPHERY OF COLD LED LOCATED IN THE SAME VERTICAL PLANE, 120 DEGREE APART.
 - REFER TO DRAWING 9A310F00081 AND 9A310F00082 FOR IDENTIFICATION NUMBER DETAILS.
 - REACTING ELBOW 31" I.D. X 29" I.D., FURNISHED BY WESTINGHOUSE.
 - ALL INSTRUMENTS SHOWN ON THIS P & ID HAVE SYSTEM DESIGNATOR RCS.
 - ALL INSTRUMENTS SHOWN ON THIS P & ID HAVE SEPARATION GROUP "N" UNLESS OTHERWISE NOTED.
 - STEAM GENERATOR IS FURNISHED WITH "F" FLOW RESTRICTOR FOR TRANSITION FROM SCI TO SC2.
 - PIPING PROVIDED BY REC TO COLLECT DRAINAGE FROM THE REACTOR VESSEL FLANGE DRAIN MAINFOLD. DRAIN PIPE LOCATED AT THE 144" AND 215" HEIGHTS ONLY. DRAIN MAINFOLD WHICH COLLECTS DRAINAGE FROM 36 CLOSURE STED ASSEMBLIES IS FURNISHED BY WESTINGHOUSE.
 - DELETED.
 - FAST RESPONSE, NARROW RANGE TEMPERATURE DETECTORS FOR THE STEAM CONTROL AND PROTECTION SYSTEM. SEE 9F05002 (DETAIL A) FOR ACTUAL PHYSICAL LAYOUT.
 - VALVE STEM LEAKOFF LINES ARE TO BE SLOPED DOWNWARD AND SHALL NOT HAVE TRAPS OR DRUMS.
 - PROVIDE SPOOL PIECE ON EACH SIDE OF CABLE BRIDGE. A 2" X 3/4" INCH ID NOZZLE IS PROVIDED BY WESTINGHOUSE FOR TRANSITION FROM SCI TO SC2.
 - THE PROVISION OF MB-5211 OF THE 1988 EDITION (SBI) ADDENDUM OF ASME CODE SECTION III IS A CLARIFICATION OF INTENT OF THE PROVISIONS OF MB-6211 OF THE 1974 EDITION W75 ADDENDUM AND THE USE OF MB-6211 OF THE SUMMER B1 IS ACCEPTABLE TO WESTINGHOUSE AS PERMITTED UNDER PARAGRAPH NCR-1148.
- NOTES (CONTINUED)**
- FROM THE FIRST ANCHOR BEYOND THE REFUELING BRIDGE.
 - THE REACTOR HEAD VENT LINE IS TO BE TESTED ONLY WHEN THE FOLLOWING CONDITIONS EXIST:
 - PRESSURE IS AT OR BELOW 100 PSIG.
 - TEMPERATURE IS AT OR BELOW 250° F.
 - DELETED.
 - VALVE TO BE LOCKED OPEN DURING MODES 1, 2, 3 & 4.
 - THIS CONNECTION TO BE USED DURING MID-LOOP OPERATION FOR LEVEL GAUGE FL-3662. REFER TO INSTRUMENTATION DWG. 7248245038 SHT. 143 FOR INSTALLATION DETAIL. DURING NORMAL OPERATION LINE TO BE CAPPED OFF. SEE 9A10 DRW 9F05003-2, D-6, FOR LG-3662 REFERENCE LOCATION.
 - DURING ALL MODES OF OPERATION (EXCEPT MID-LOOP OPERATION) THE LEVEL GAUGE AND TRANSMITTER SHALL BE ISOLATED AT VALVES RC0129, RC0142, RC0179, RC0207, RC0208, RC0209, AND RC0210.
 - DIPHANAM ISOLATOR SUPPLIED AS PART OF PIS-405, PIS-406 & PIS-407.
 - PRESSURE INDICATOR PI-3636 MAY BE REMOVED IF NOT REQUIRED FOR RCS DRAIN OR FILL AND VENT PROCESS.
 - A TEMPORARY VACUUM GAGE MAY BE CONNECTED AT THIS LOCATION WHEN REQUIRED FOR VACUUM FILL OF THE RCS.
- REFERENCES:**
- FOR PIPING & INSTRUMENT SYMBOLS SEE DWG. 0F00001 & 0F00002.
 - WESTINGHOUSE DWG. NO. 1465E57, SUB. 6 SHT. 1 OF 3. SEC. NO. 14526-020112100001-W4.

2257

LR BOUNDARY DRAWING NO. LR-STP-RC-5R149F05001#2 REV. 0

29	INCORP. DCN 0700252.	JSH
28	INCORP. DCN'S 0500093 AND 0500261.	VJM ON FILE
27	REVISED PER CR 02-16807-1	KS ON FILE
0-286-28-83	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE	NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PRIORITY: 1
 CADD FILE NO.: FJA533.291
 FSUG. NO.: D070928
 STI. NO.: 2

SCALE: NONE	DWG. NO.: 5R149F05001#2	SHT.: 29	REV.: 0
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