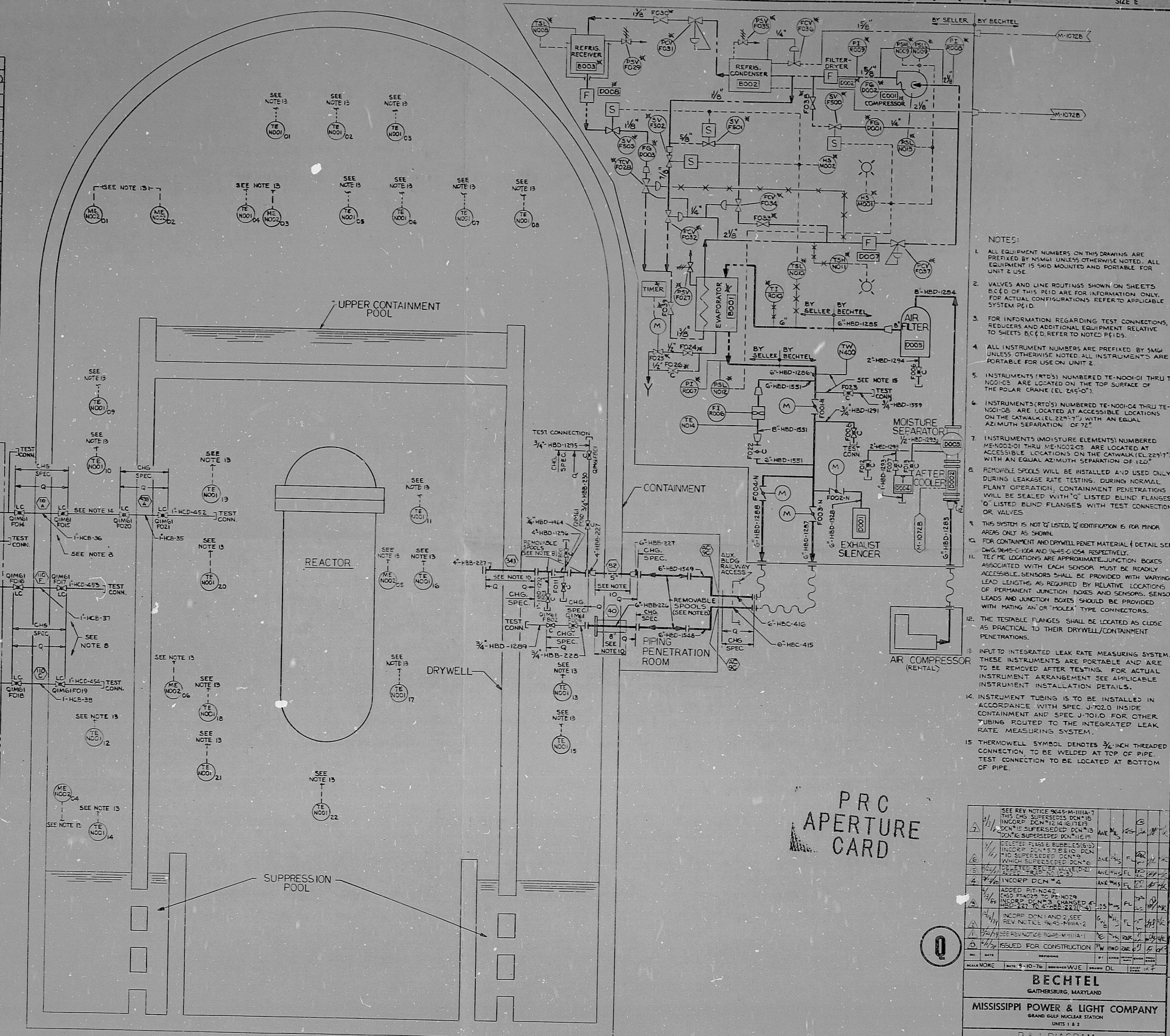
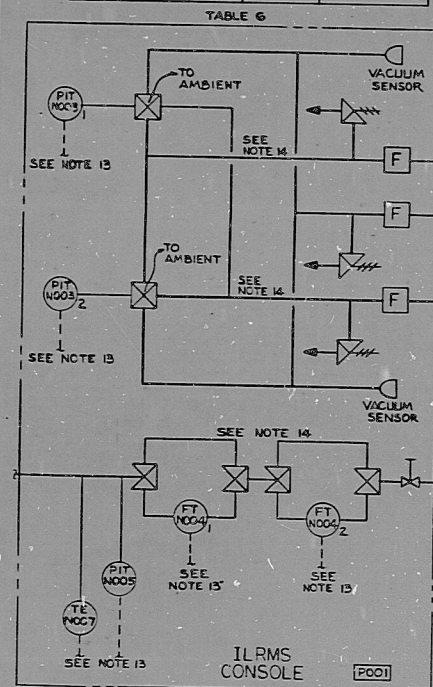


INSTRUMENT LOCATION			
INSTRUMENT	ELEVATION (FT)	AZIMUTH (°)	RADIUS FROM CENTERLINE (FT)
TE-N001-01	290	0	18
TE-N001-02	290	180	18
TE-N001-03	264	90	54
TE-N001-04	264	270	54
TE-N001-05	232	45	58
TE-N001-06	232	135	58
TE-N001-07	232	225	58
TE-N001-08	232	315	58
TE-N001-09	184	210	58
TE-N001-10	174	305	54
TE-N001-11	165	150	24
TE-N001-12	150	150	56
TE-N001-13	150	90	56
TE-N001-14	122	0	46
TE-N001-15	122	180	46
TE-N001-16	145	230	30
TE-N001-17	114	90	24
TE-N001-18	130	180	31
TE-N001-19	165	340	34
TE-N001-20	148	32	32
TE-N001-21	114	210	26
TE-N001-22	108	0	4
ME-N002-01	264	90	54
ME-N002-02	232	225	58
ME-N002-03	174	305	54
ME-N002-04	122	0	46
ME-N002-05	145	32	32
ME-N002-06	114	270	26

TABLE 6



- NOTES:
- ALL EQUIPMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY SMW UNLESS OTHERWISE NOTED. ALL EQUIPMENT IS SKID MOUNTED AND PORTABLE FOR UNIT 2 USE.
 - VALVES AND LINE ROUTINGS SHOWN ON SHEETS B-C-D OF THIS SET ARE FOR INFORMATION ONLY. FOR ACTUAL CONFIGURATIONS, REFER TO APPLICABLE SYSTEM P&ID.
 - FOR INFORMATION REGARDING TEST CONNECTIONS, REDUCERS AND ADDITIONAL EQUIPMENT RELATIVE TO SHEETS B-C-D, REFER TO NOTES P-105.
 - ALL INSTRUMENT NUMBERS ARE PREFIXED BY SMW UNLESS OTHERWISE NOTED. ALL INSTRUMENTS ARE PORTABLE FOR USE ON UNIT 2.
 - INSTRUMENTS (RTDS) NUMBERED TE-N001-01 THRU TE-N001-03 ARE LOCATED ON THE TOP SURFACE OF THE POLAR CRANE (EL 245'-0").
 - INSTRUMENTS (RTDS) NUMBERED TE-N001-04 THRU TE-N001-06 ARE LOCATED AT ACCESSIBLE LOCATIONS ON THE CATWALK (EL 221'-7") WITH AN EQUAL AZIMUTH SEPARATION OF 72°.
 - INSTRUMENTS (MOISTURE ELEMENTS) NUMBERED ME-N002-01 THRU ME-N002-03 ARE LOCATED AT ACCESSIBLE LOCATIONS ON THE CATWALK (EL 221'-7") WITH AN EQUAL AZIMUTH SEPARATION OF 120°.
 - REMOVABLE SPOOLS WILL BE INSTALLED AND USED ONLY DURING LEAKAGE RATE TESTING. DURING NORMAL PLANT OPERATION, CONTAINMENT PENETRATIONS WILL BE SEALED WITH "O" LISTED BLIND FLANGES. "O" LISTED BLIND FLANGES WITH TEST CONNECTION OR VALVES.
 - THIS SYSTEM IS NOT "O" LISTED. IDENTIFICATION IS FOR MINOR AREAS ONLY AS SHOWN.
 - FOR CONTAINMENT AND DRYWELL PENETRATION (DETAIL SEE SHEETS B-C-D AND 9445-G-1054, RESPECTIVELY). THE LOCATIONS ARE APPROXIMATE. JUNCTION BOXES ASSOCIATED WITH EACH SENSOR MUST BE READILY ACCESSIBLE. SENSORS SHALL BE PROVIDED WITH VARYING LEAD LENGTHS AS REQUIRED BY RELATIVE LOCATIONS OF PERMANENT JUNCTION BOXES AND SENSORS. SENSOR LEADS AND JUNCTION BOXES SHOULD BE PROVIDED WITH MATING "AN" OR "MOLEX" TYPE CONNECTORS.
 - THE TESTABLE FLANGES SHALL BE LOCATED AS CLOSE AS PRACTICAL TO THEIR DRYWELL/CONTAINMENT PENETRATIONS.
 - INPUT TO INTEGRATED LEAK RATE MEASURING SYSTEM. THESE INSTRUMENTS ARE PORTABLE AND ARE TO BE REMOVED AFTER TESTING. FOR ACTUAL INSTRUMENT ARRANGEMENT SEE APPLICABLE INSTRUMENT INSTALLATION DETAILS.
 - INSTRUMENT TUBING IS TO BE INSTALLED IN ACCORDANCE WITH SPEC J-702.0 INSIDE CONTAINMENT AND SPEC J-701.0 FOR OTHER TUBING ROUTED TO THE INTEGRATED LEAK RATE MEASURING SYSTEM.
 - THERMOWELL SYMBOL DENOTES 3/4" INCH THREADED CONNECTION, TO BE WELDED AT TOP OF PIPE. TEST CONNECTION TO BE LOCATED AT BOTTOM OF PIPE.

PRC
APERTURE
CARD

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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BECHTEL
GAITHERSBURG, MARYLAND

MISSISSIPPI POWER & LIGHT COMPANY
GRAND GULF NUCLEAR STATION
UNITS 1 & 2

P & I DIAGRAM
CONTAINMENT LEAKAGE RATE TEST
SYSTEM - UNIT 1

JOB No. 9645-
DRAWING No. M-1111A
REV. 7

MPL No. IM611015M

DATE 8-10-76
BY [Signature]
CHECKED [Signature]
APPROVED [Signature]

RIDS

805130117

