

FOUNDATION INSTRUMENTATION REPORT

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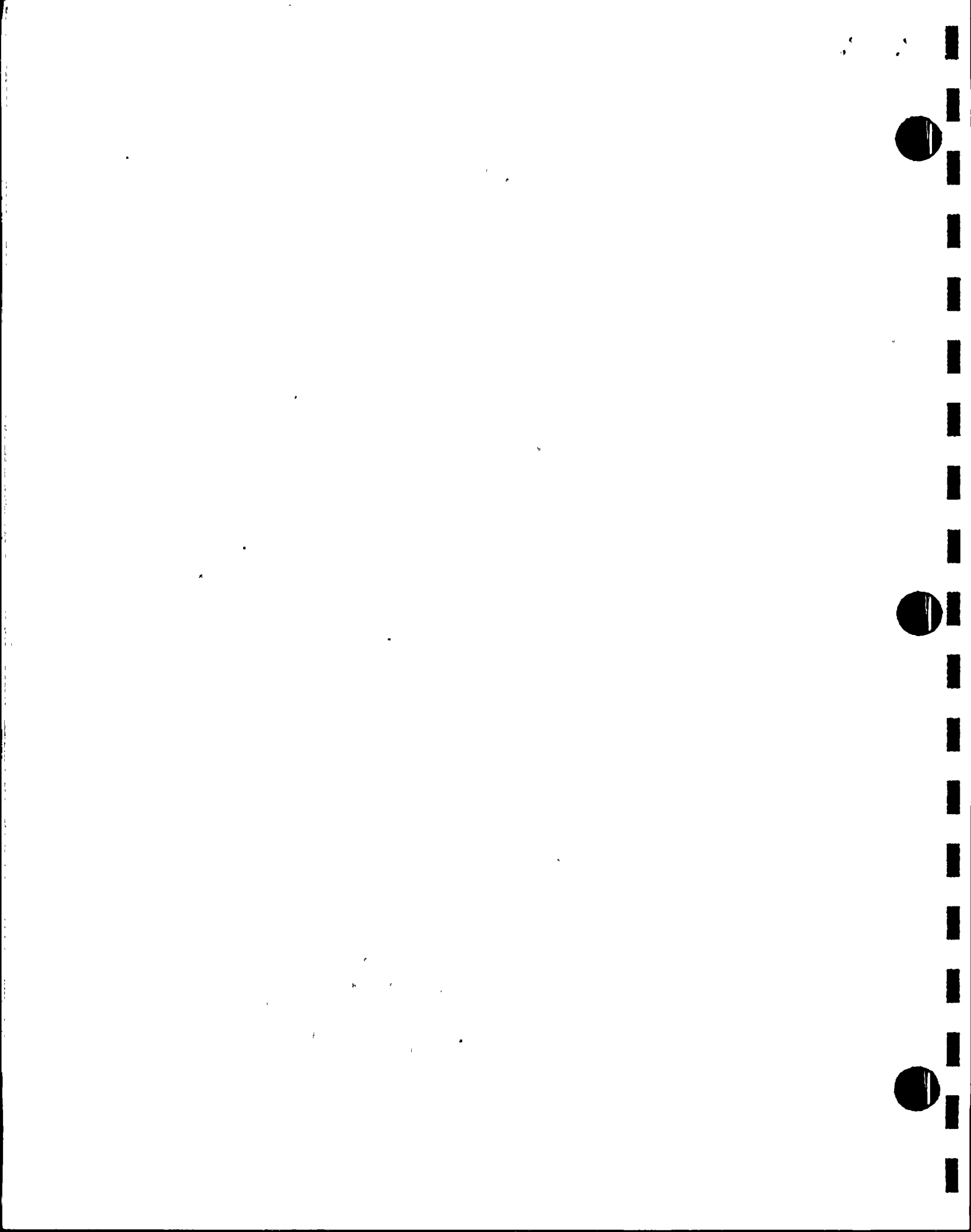
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FOUNDATION INSTRUMENTATION REPORT

1.0 INTRODUCTION

This report presents the results of the heave, settlement, and subsidence monitoring program implemented at the Palo Verde Nuclear Generating Station, plus an evaluation of the data obtained through August, 1981. The purpose of this evaluation is to verify compliance with the settlement-related design criteria presented in the FSAR and to determine the degree of conservatism of the Heave/Settlement analysis presented in Appendix 2AA, Amendment 18, of the PVNGS Units 1, 2, and 3 PSAR.

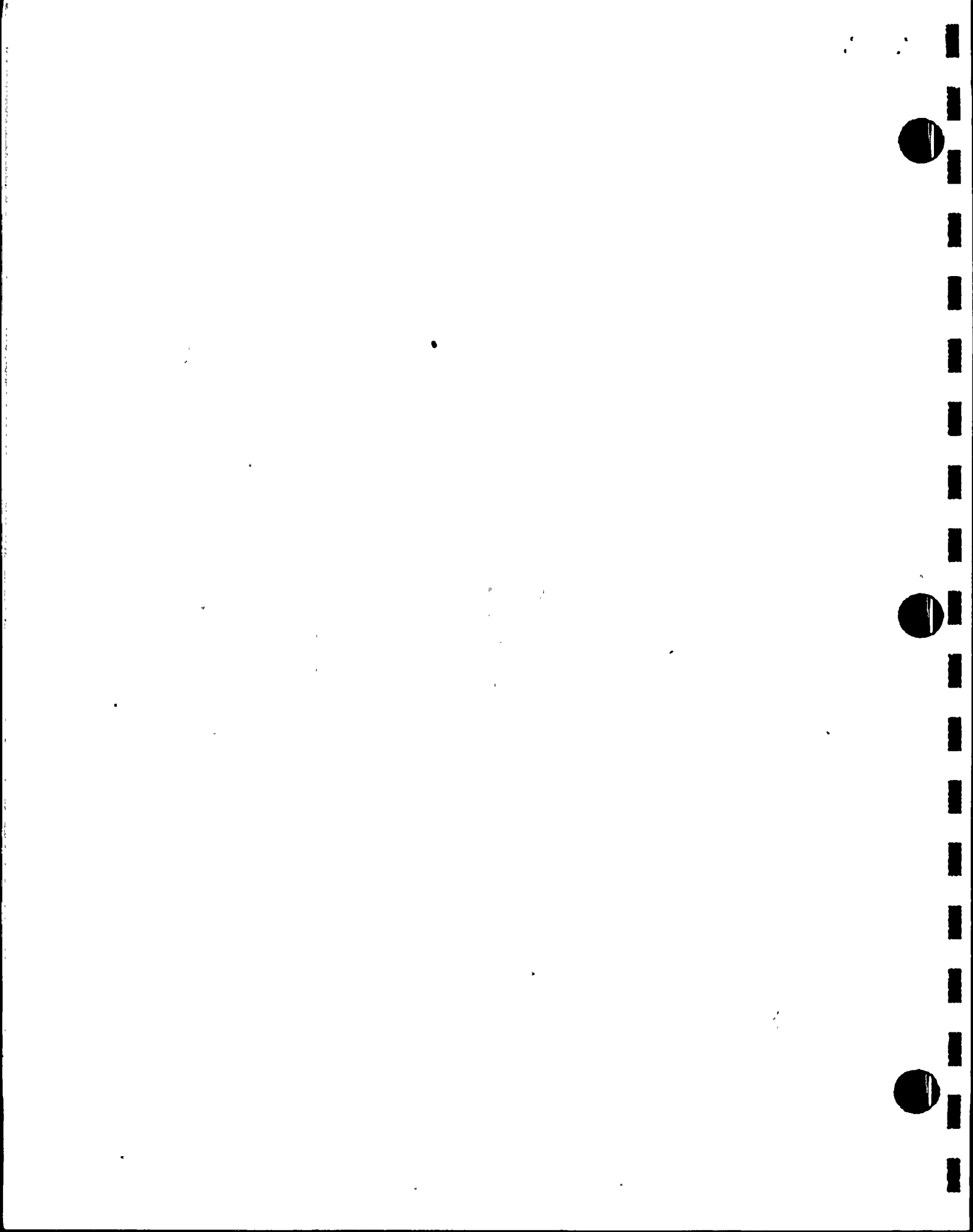
2.0 COMPONENTS OF FOUNDATION INSTRUMENTATION PROGRAM

The heave, settlement, and subsidence instrumentation consists of four component systems: extensometers, mechanical rebound anchors, settlement markers, and subsidence network benchmarks. Table 1 details the type of response being monitored and the frequency of monitoring schedule for each system. In the past, the extensometers and settlement markers have, in some cases, been monitored more frequently than specified.

Extensometer data provides a continuous record of foundation heave and recompression settlements from pre-excavation to the present. Mechanical rebound anchors and settlement markers provide supplemental data from several locations during excavation and recompression. Thus, redundant data are available during excavation and recompression to insure accuracy and to provide backup in the event of a malfunction in one of the systems.

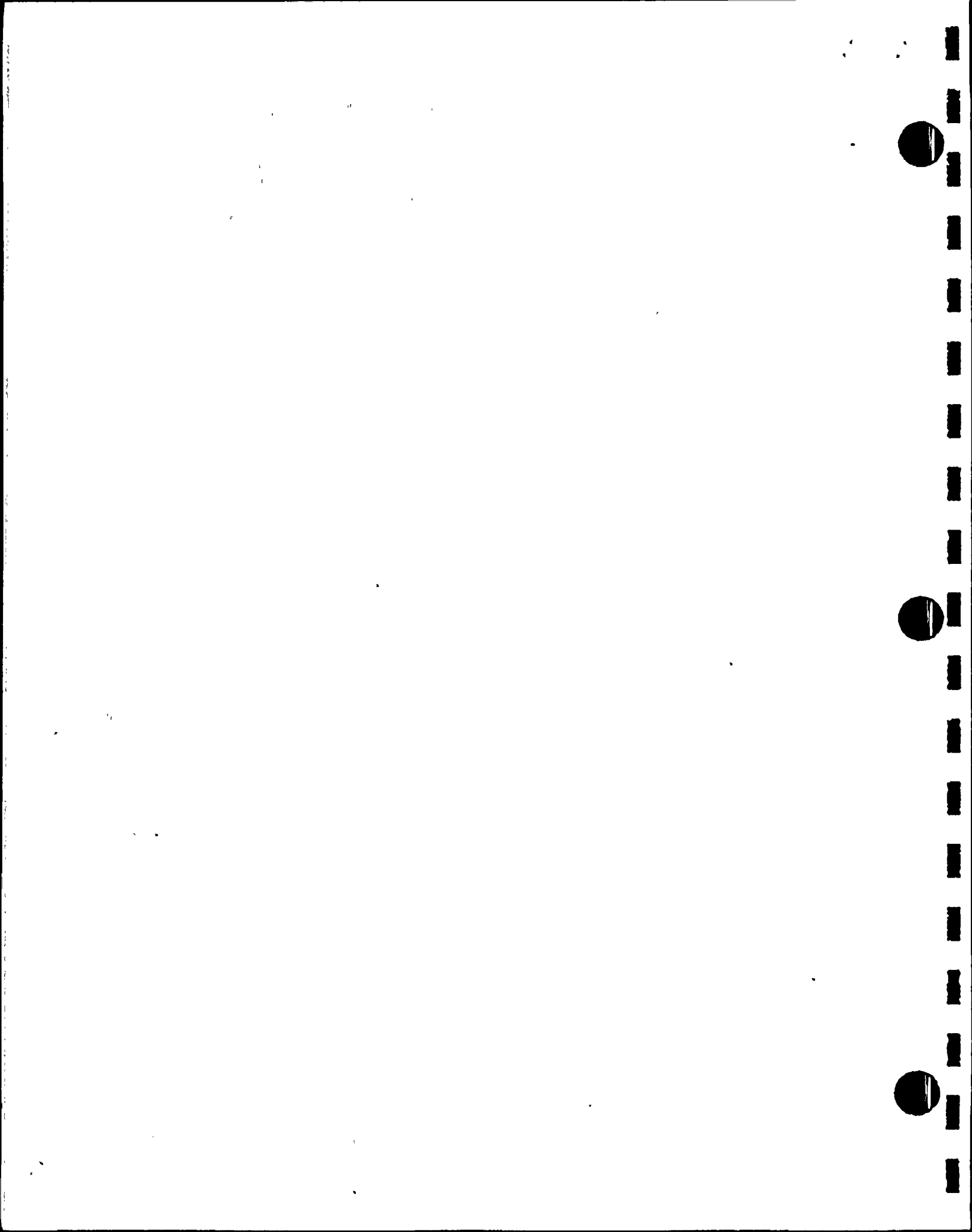
A brief description of each component system follows:

- A. Extensometers with remote electronic readout capability are utilized to monitor both heave resulting from excavation and recompression settlements resulting from structural loading. As shown in Figure 1, extensometers were installed in six locations; three near the containment centers of each of Units 1, 2, and 3; two more at selected points in Unit 1; and additional backup sensor (E-6) near the containment center in Unit 3. At installations MPE-1 through MPE-5, three sensors were anchored in a boring to monitor relative movement at three elevations of the foundation soil relative to a bedrock anchor in the bottom of the boring. The upper sensor at each installation was typically



anchored at a depth of a few feet below the estimated bottom of the excavation, in order to monitor the full amount of heave and recompression settlement. The upper sensors at four of the installations (MPE-1, -3, -4, and -5) were damaged during construction. With the exception of the upper sensor at MPE-5, the damaged sensors were reset and re-anchored into the soil. The damaged upper sensor of MPE-5, however, was reset and cast directly into the containment foundation concrete. At the time the upper sensor at MPE-5 was reset, an additional installation, designated E-6, was installed nearby as a backup. This installation contains only one sensor, which is anchored in the soil a few feet below the excavation bottom. Extensometer deflection records are presented in Figures 3 through 8.

- B. Mechanical rebound anchors (MRA) were used to monitor heave by optical survey methods during excavation. Six rebound anchors (MRA) were installed in each powerblock excavation, at locations shown in Figure 1. For each powerblock, the respective rebound anchors (MRA) provided data throughout excavation and were abandoned shortly after the excavations were completed. Each MRA installation consisted of a three-foot long stainless steel pin, embedded in soil at the bottom of a cased borehole. The top of the pin was typically located 2.5 feet below the bottom of excavation and served as a reference point for elevation measurement.
- C. Settlement markers are pins installed in structural members of critical structures to monitor settlements by optical surveying methods. ^{Fifty-}~~Forty-~~ ^{three}~~nine~~ markers are to be installed in each powerblock, at locations shown in Figure 2. Settlement marker pins are installed on a structure after a portion of that structure is already in place and therefore, provides only a partial record of settlement. Based on concrete schedules, settlement markers have been installed on structures that ranged from roughly 30 - 100 percent complete at the time of installation. As of August, 1981, construction had progressed to the point where 52 of the 56 markers in Unit 1, 49 of the 56 markers in Unit 2, and 31 of the 56 markers in Unit 3, had been installed.



- D. Subsidence monitoring benchmarks have been established to monitor regional subsidence at the site relative to two benchmarks on rock outcrops. The locations of the benchmarks used are shown in Figure 60.

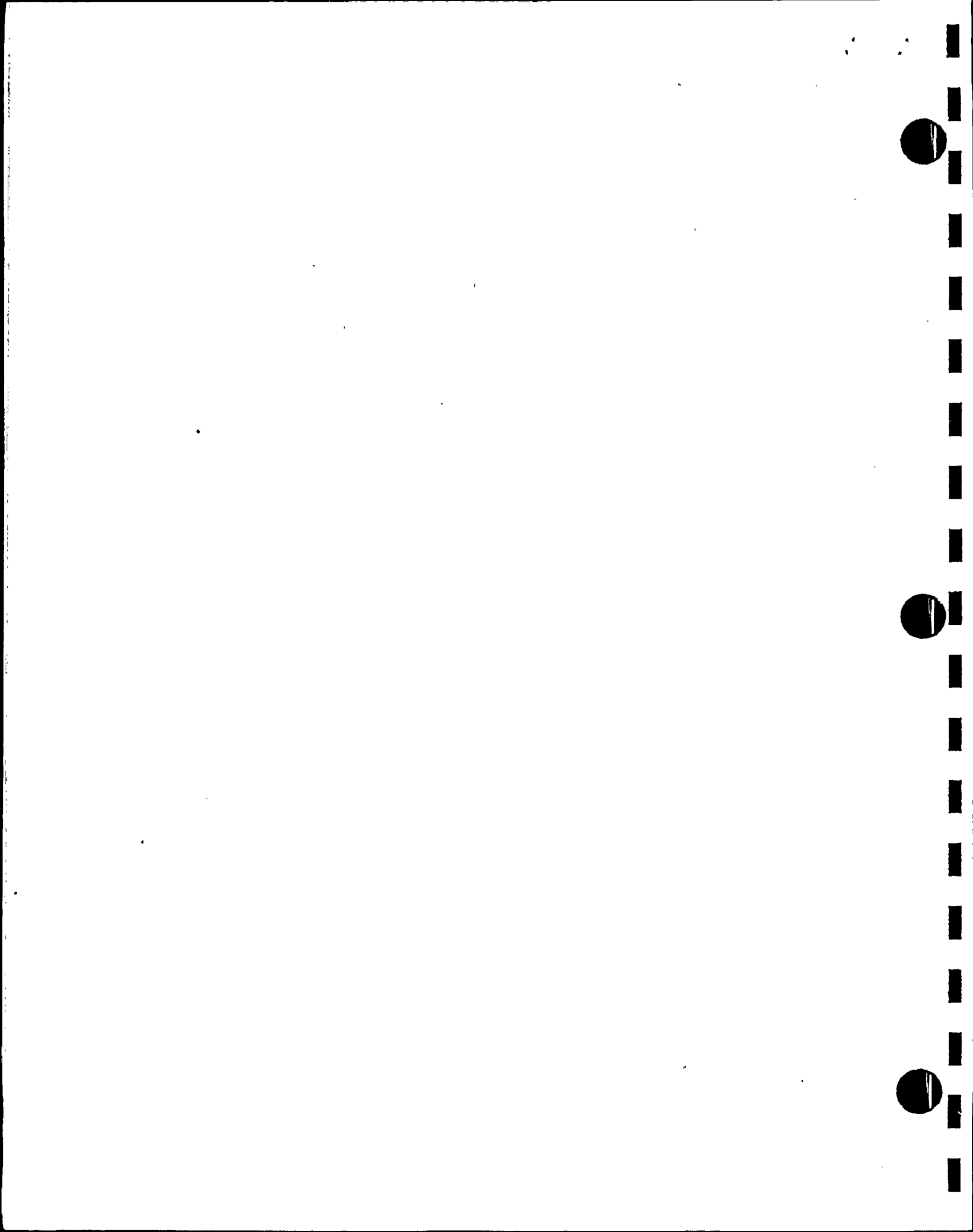
3.0 FINDINGS

A detailed evaluation of instrumentation data and construction load history was performed to verify compliance to design criteria and to determine the conservatism of the heave/settlement analysis. Details of the evaluation are presented in the following sections. The more significant results are summarized below:

- o Post-construction settlements measured to date are small, ranging from negligible to 0.5 inches. These settlements are consistent with the load history and are well within the 1.5 inch maximum specified as a design criterion.
- o Post construction differential settlements measured to date between adjacent structures range from negligible to approximately 0.2 inches. This range is well within the 0.5 inch maximum specified as a design criterion.
- o Total recompression settlements measured to date at four major structures range between 2.1 and 4.1 inches, or roughly 34 to 56 percent of the corresponding settlements predicted in the heave/settlement analysis.
- o Maximum heave measured during and after excavation ranged between 1.8 and 2.9 inches, which is typically on the order of one-third of predicted values.

3.1 Heave Resulting From Excavation

All powerblock excavations had been completed as of July, 1978. Heave during excavation was monitored independently by both the multi-position extensometers (MPE) and the mechanical rebound anchors (MRA). MPE and MRA data from the early stages of construction (pre-excavation and excavation) are presented in Figures 3 through 26. MPE data show a response consistent with the loading history. The loading history is presented in the form of construction milestones noted on the instrument plots. At each MPE location, the shallower sensors report



more movement than the deeper sensors, as expected. MRA data also show a response consistent with the loading history.

Results of the heave monitoring program are summarized in Figure 27. The majority of the summarized heave data was obtained from MRA records. These records show consistent values for comparable locations at each of the three units. Observed maximum heave ranges from 1.8 inches in Unit 1 to 2.9 inches in Unit 3. The main reason that the measured heave is progressively greater from Unit 1 to Unit 3 is that construction began almost immediately after excavation in Unit 1, while Units 2 and 3 excavations remained open for progressively longer periods of time prior to start of construction.

The measured values of heave are typically on the order of one-third of the values predicted by heave settlement analysis presented in Appendix 2AA of the PVNGS 1, 2, and 3, PSAR. The overestimation of heave is attributed in two factors. First, compressibility parameters are derived from laboratory odometer tests that have been known to overestimate the compressibility of overconsolidated soils (Terzaghi and Peck, 1967; Peck, 1977). Second, the entire soil column was conservatively assumed to be saturated under water table conditions even though it is known that a perched groundwater condition exists at the site.

3.2 Recompression Settlements

3.2.1 Load History:

The construction status and total foundation loading at the three units as of August, 1981, was as follows:

- o Unit 1 - Backfill and concrete placement was essentially complete.
- o Unit 2 - Backfill was essentially complete and approximately 98 percent of the total scheduled concrete had been placed in the powerblock structures.
- o Unit 3 - Backfilling was essentially complete and approximately 61 percent of the total scheduled concrete had been placed in the powerblock structures.

A summary of the construction status of each individual powerblock structure as of August, 1981, is presented in Table 2.

The settlement analysis presented in the PSAR was based on a construction sequence



vs. the projected construction sequence of the individual structures is presented in Table 3. The loading magnitude and sequence assumed in the heave/settlement analysis was in general overall agreement with the actual observed loading history. However, for certain structures and/or short time intervals, the actual loading sequence deviates somewhat from the assumed sequence.

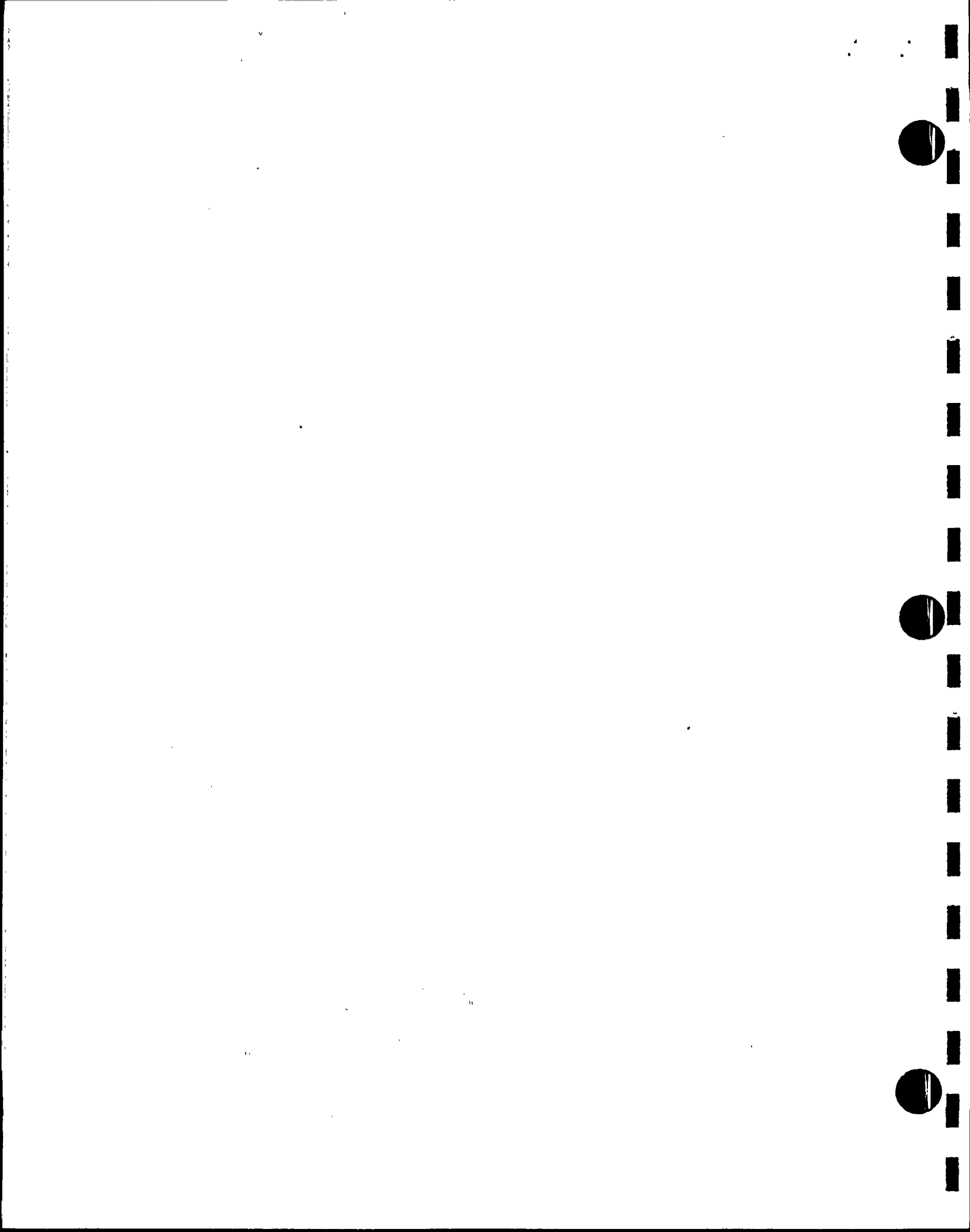
For a given structure, the amount and timing of settlement is influenced by the foundation loading and construction sequence of adjacent structures. Therefore, a small change from projected loading sequence will result in slight changes in the expected settlements. For most structures, this effect was found to be negligible, but the affects of changes in loading sequences did result in slightly larger than predicted post-construction settlements for a few structures. This effect is discussed in detail in section 3.2.3.

3.2.2 Total Settlements:

An evaluation of recompression settlement data was made using both settlement marker and extensometer records obtained at four major structures for which data was available for both types of instruments. These four structures were in the Unit 1 Containment, Unit 1 Auxiliary Building, Unit 2 Containment, and Unit 3 Containment.

As noted previously, the extensometers recorded essentially the complete recompression settlements while the settlement markers, installed at a later date, provided only a partial record. To evaluate if the two methods provided consistent measurements, a comparison was made of settlements recorded over the period that both types of instruments were in use. Comparisons for the four locations described above are presented in Table 4. The data indicates that, with the exception of Unit 3, the extensometers recorded less settlement than the settlement markers. Table 4 presents a conservative estimate of settlements based on the comparisons of extensometer and optical survey data. The total extensometer-measured settlements at Units 1 and 2 were multiplied by a correction factor, because at those locations the settlement markers showed a slightly higher rate of movement than the extensometers. At Unit 3, the extensometer-measured settlements were fairly close to the settlement marker movements and therefore no correction factor was applied.

The explanation for the extensometers at Units 1 and 2 generally reporting less



movement than the settlement markers may be related to one or more of the following factors:

- o a compliance mismatch between the soil and the cement/bentonite grout column encasing the instruments,
- o large strains might have occurred in a few feet of soil between the top of the upper sensors and the base of the overlying structures,
- o slippage in the anchorage of sensors to the soils or of the anchor plates to bedrock.

3.2.3 Post-Construction Settlements:

As of August, 1981, all of the major structures in the Unit 1 powerblock were essentially complete, and all major structures but the Control Building and the Essential Spray Ponds in the Unit 2 powerblock were complete. Measured post-construction settlements for these structures are presented in Table 5.

The measured post-construction settlements ranged from negligible at several structures to 0.5 inches for the Unit 1 Control Building and for the Turbine Building at both Unit 1 and Unit 2. All of these settlements are considerably less than the 1½ inch maximum specified as a design criterion. As can be seen in Table 5, post-construction settlements have been slightly more than predicted at certain structures. The reason for the slightly increased settlement is due to differences between the actual construction schedule and the projected schedule. Structures that were completed earlier than modeled, or are adjacent to structures that were completed later than modeled, are subjected to increased adjacent loading effects. This situation results in an increase in expected settlements. Specifically, the Unit 1 Control Building and Units 1, 2, and 3 Turbine Buildings were completed earlier than scheduled in the analysis and, therefore, experienced larger than predicted post-construction settlements. The Unit 1 Fuel Building is adjacent to a heavy structure (the containment) that was completed later than modeled in the analysis. Thus, the increased adjacent loading effects resulted in higher than predicted post-construction settlements for the Fuel Building. On the other hand, the Units 1, 2, and 3 Main Steam Support Structure will be completed much later than modeled in the analysis and post-construction settlements are much smaller than predicted in the heave/settlement analysis.



Total post-construction differential settlements monitored to date between completed adjacent powerblock structures are shown in Table 6. The measured post-construction differential settlements have been less than the 1/2 inch allowable maximum specified as a design criterion. Some of the measured post-construction differential settlements are slightly greater than predicted, probably due to differences between the actual and assumed loading history and/or difficulty in accurately surveying such small movements.

The primary purpose of the specified 1/2 inch maximum post-construction differential settlement between adjacent structures is to limit deflections across critical piping connections. After installation, deflections across piping connections are monitored and pipe stresses are computed. If stress becomes high, adjustments will be made to relieve stresses. Because of the small movements to date, no adjustments have been necessary.

3.3 Subsidence

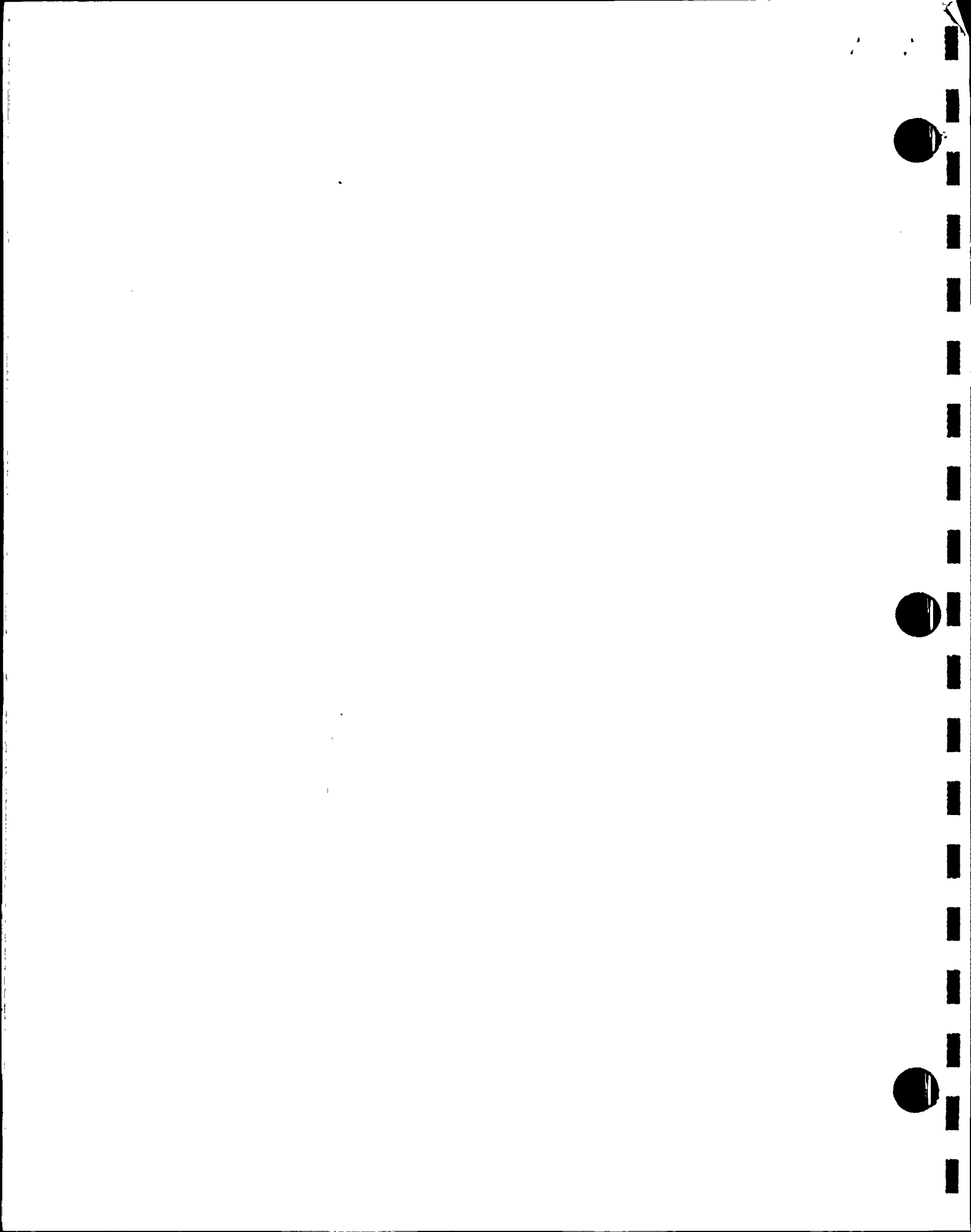
Data from the subsidence monitoring network has been collected for the time period from February 1977 through March 1981. Movement of the survey benchmarks within the subsidence monitoring network, relative to benchmarks established on bedrock have been measured to within an accuracy of approximately ± 0.25 inch. Results of the subsidence network monitoring program are presented in Figure 61. Locations of subsidence monitoring benchmarks are shown in Figure 60.

The benchmark monitoring data from all areas except Unit 2 exhibit random scatter within the accuracy of the survey with no measurable subsidence over the period monitored. At Unit 2, the downward movement measured is believed due to the proximity of the benchmark used to the edge of the excavation, and the resulting backfill-induced settlements. In order to avoid this problem in the future, new benchmarks have been established farther from the powerblock excavations at Unit 1, 2, and 3. These new benchmarks are designated PV-5, PV-6, and PV-7, respectively. The initial elevation readings for these new benchmarks were surveyed in March, 1981.

4.0 CONCLUSIONS

Based on the evaluation of foundation instrumentation monitoring data presented in this report, the following conclusions are drawn:

- A. The total post-construction settlements for all powerblock structures are expected to be less than $1\frac{1}{2}$ inch maximum specified as a design criterion.



- B. Total post-construction differential settlements between adjacent powerblock structures due to static loading are expected to be less than the allowable 1/2 inch design criterion.
- C. The heave and total recompression settlement estimates presented in Appendix 2AA of the PVNGS Units 1, 2, and 3 PSAR are conservatively high.
- D. No measurable subsidence of the site relative to bedrock outcrops has been observed through March, 1981.

5.0 REFERENCES

Peck, R.G., Pitfalls of Overconservatism in Geotechnical Engineering, Civil Engineering Magazine, February, 1977.

Terzaghi, K., and Peck, R.G., Soil Mechanics in Engineering Practice, J. Wiley and Sons, Inc., New York, 1967.



TABLE 1
SUBSURFACE INSTRUMENTATION DETAILS

INSTRUMENTATION SYSTEM NAME	RESPONSE BEING MONITORED			MINIMUM SPECIFIED MONITORING FREQUENCY-TIME BETWEEN READINGS
	HEAVE RESULTING FROM EXCAVATION	RECOMPRESSION DUE TO STRUCTURAL AND BACKFILL LOADING	REGIONAL SUBSIDENCE	
Extensometers (MPE, E)	X	X	X	1) Pre-excavation, excavation, pouring of overlying foundations. -1 week 2) The following 18 months -1 month 3) Until end of construction -3 months 4) For a 3 year period following end of construction ¹ -6 months 5) After last 6 month reading -5 years ³
Mechanical Rebound Anchors (MRA)	X			1) Pre-excavation, excavation -1 week
Settlement Markers		X	X	1) 18 months following first concrete placement for given structure -1 month 2) Until end of construction of the last major power-block structure. -3 months 3) For a 3 year period following end of construction ² -6 months 4) After last 6 month reading -5 years ³
Subsidence Monitoring Network			X	1) During construction -1 year 2) After end of construction -5 years ³

¹End of construction is defined as the last major concrete placement in a given powerblock unit.

²The settlement markers for the essential spray ponds shall be monitored at 6-month intervals for a period of at least 3 years after the ponds are initially filled.

³After the first 5 year reading (8 years after end of construction), the owner may terminate the monitoring program either totally or at selected points, based on the need for continuing data.



TABLE 2
CONSTRUCTION STATUS
December, 1980¹

Structure	Percent of Total Concrete Installed		
	Unit 1	Unit 2	Unit 3
Containment	100	86	43
Main Steam SS	97	97	0
Auxiliary	100	96	49
Control	100	93	24
Turbine	100	100	97
Fuel	99	65	3
Radwaste	100	76	7
Diesel Generator	100	97	0

¹ Based on "Monthly Progress Report", Bechtel File D.4.12.



TABLE 3
COMPARISON OF LOADING HISTORY ASSUMED IN SETTLEMENT
ANALYSIS VS. ACTUAL PROJECTED LOADING HISTORY

Structure	Load		Construction Sequence ¹ (months)							
	Intensity (ksf)		Analysis		Unit 1		Unit 2		Unit 3	
	analysis	actual	start	end	start	end	start	end	start	end
Containment	7.3	7.9	0	36	0	42	1	47	1	43
Main Steam SS	5.6	7.1	8	18	25	46	23	41	20	44
Auxiliary	6.8	6.2	2	30	0	36	0	44	0	44
Control	3.3	3.3	10	34	11	26	14	44	10	35
bine	3.0	3.0	4	34	1	26	4	24	4	24
Fuel	5.6	5.3	18	42	19	43	30	46	30	45
Radwaste	3.0	3.0	14	38	19	51	28	46	28	46
Diesel Generator	2.2	3.1	15	30	18	30	26	46	26	41

¹ Construction sequence for the units based on "Project Milestone Schedule", Bechtel Drawing No. SCH-20-3, Status as of February 28, 1981, and supplemented with concrete placement schedules. Month "0" corresponds to September, 1976, for Unit 1; July, 1977, for Unit 2; and May 1979, for Unit 3.



TABLE 4

ACTUAL VS. PREDICTED RECOMPRESSION SETTLEMENTS

Structure	Location	Time Interval ¹						
		t ₁ to t ₂			t ₀ to t ₂			
		Measured Settlement		Correction Factor $f = \frac{\rho_{SM}}{\rho_{MPE}}$	Measured Settlement ρ_{MPE} (inches)	Assumed Actual Settlement $\rho = \rho_{MPE} \times f$ (inches)	Appropriate Analysis Settlement ρ_{calc} (inches)	$\frac{\rho}{\rho_{calc}}$
		Partial ρ_{MPE}^2 (inches)	Settlement ρ_{SM}^3 (inches)					
Unit 1 Containment Bldg.	MPE-1	1.02	1.5	1.47	1.69	2.5	7.4	0.34
Unit 1 Auxiliary Bldg.	MPE-3	0.75	1.3	1.73	1.22	2.1	5.8	0.36
Unit 2 Containment Bldg.	MPE-4	1.08	2.2	2.04	2.01	4.1	7.3	0.56
Unit 3 Containment Bldg.	MPE-5, E-6	1.40	0.8	⁴ —	2.46	2.5 ⁴	5.3	0.47

¹ t₀ = date when structural loading began (forming and pouring) for a given structure
t₁ = date when settlement marker pins were installed on a given partially completed structure
t₂ = end of August, 1981

² ρ_{MPE} = settlement measured by multi-position extensometer (MPE)

³ ρ_{SM} = settlement measured by nearby settlement markers (SM)

⁴ No correction factor applied because $\rho_{MPE} > \rho_{SM}$; therefore, actual settlement ρ was assumed equal of ρ_{MPE}

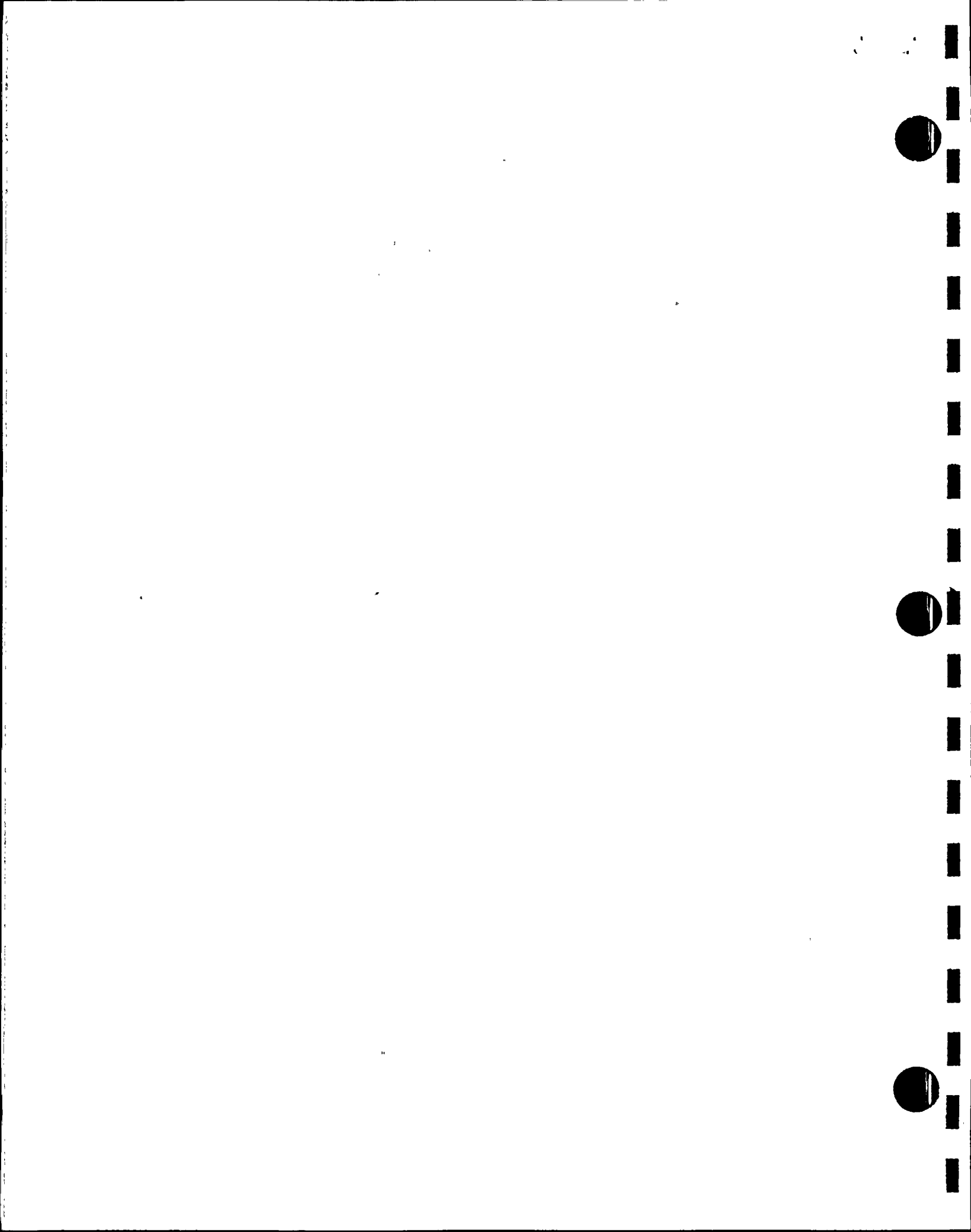


TABLE 5
POST CONSTRUCTION SETTLEMENTS
(PAGE 1 OF 2)

Powerblock Unit No.	Structure	Approximate Number of Months Structure Completed ¹	Range of Post Construction Settlement ² Since Structure Completed (inches)	Total Predicted Post Construction Settlement (inches)
1	Containment	17	0.1	0.4 to 0.5
1	Auxiliary Building	22	negligible to 0.3	0.2 to 0.6
1	Main Steam Support Structure	7	negligible	1.1 to 1.4
1	Control Building	29	0.2 to 0.5	0.2
1	Radwaste Building	8	negligible	0.1 to 0.2
1	Diesel Generator Building	26	0.1	0.2 to 0.3
1	Fuel Building	12	0.2	negligible to 0.1
1	Turbine Building	33	0.2 to 0.5	0.1 to 0.3
1	Essential Spray Ponds	16	negligible to 0.3	0.1 to 0.4
1	Reactor Make-up Tank	16	0.1	0.2
1	Hold-up Tank	4	negligible	0.3
1	Refueling Water Tank	4	negligible	0.2
1	Condensate Tank	6	negligible	0.2

¹As of August, 1981

²Based on settlement marker data

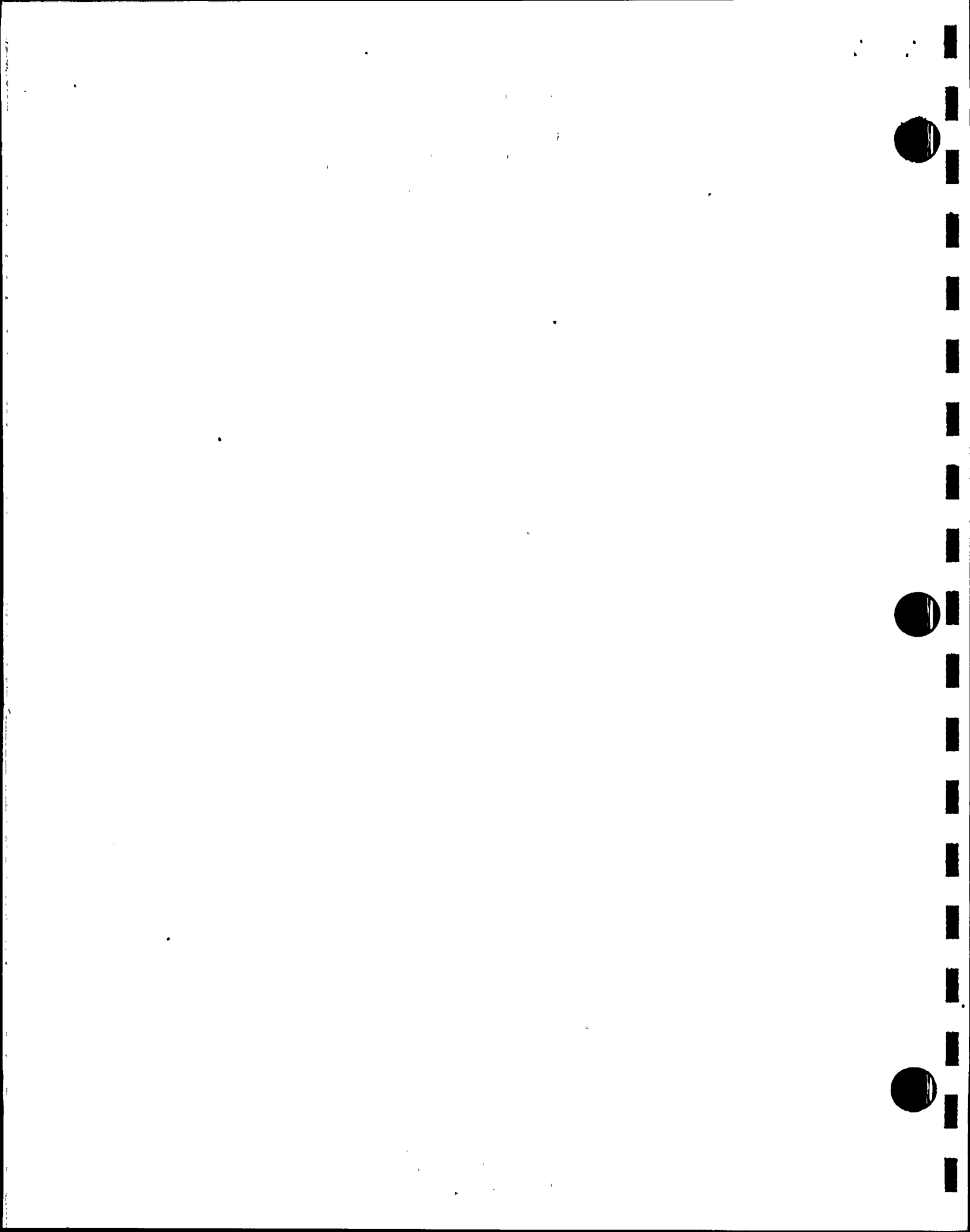


TABLE 5
POST CONSTRUCTION SETTLEMENTS
(PAGE 2 OF 2)

Powerblock Unit No.	Structure	Approximate Number of Months Structure Completed ¹	Range of Post Construction Settlement ² Since Structure Completed (inches)	Total Predicted Post Construction Settlement (inches)
2	Containment	1	negligible	0.4 to 0.5
2	Auxiliary Building	6	negligible	0.2 to 0.6
2	Main Steam Support Structure	4	0.1	1.1 to 1.4
2	Control Building	1	negligible	0.2
2	Radwaste Building	3	negligible to 0.2	0.1 to 0.2
2	Diesel Generator Building	3	negligible	0.2 to 0.3
2	Turbine Building	25	0.1 to 0.5	0.1 to 0.3

¹As of August, 1981

²Based on settlement marker data

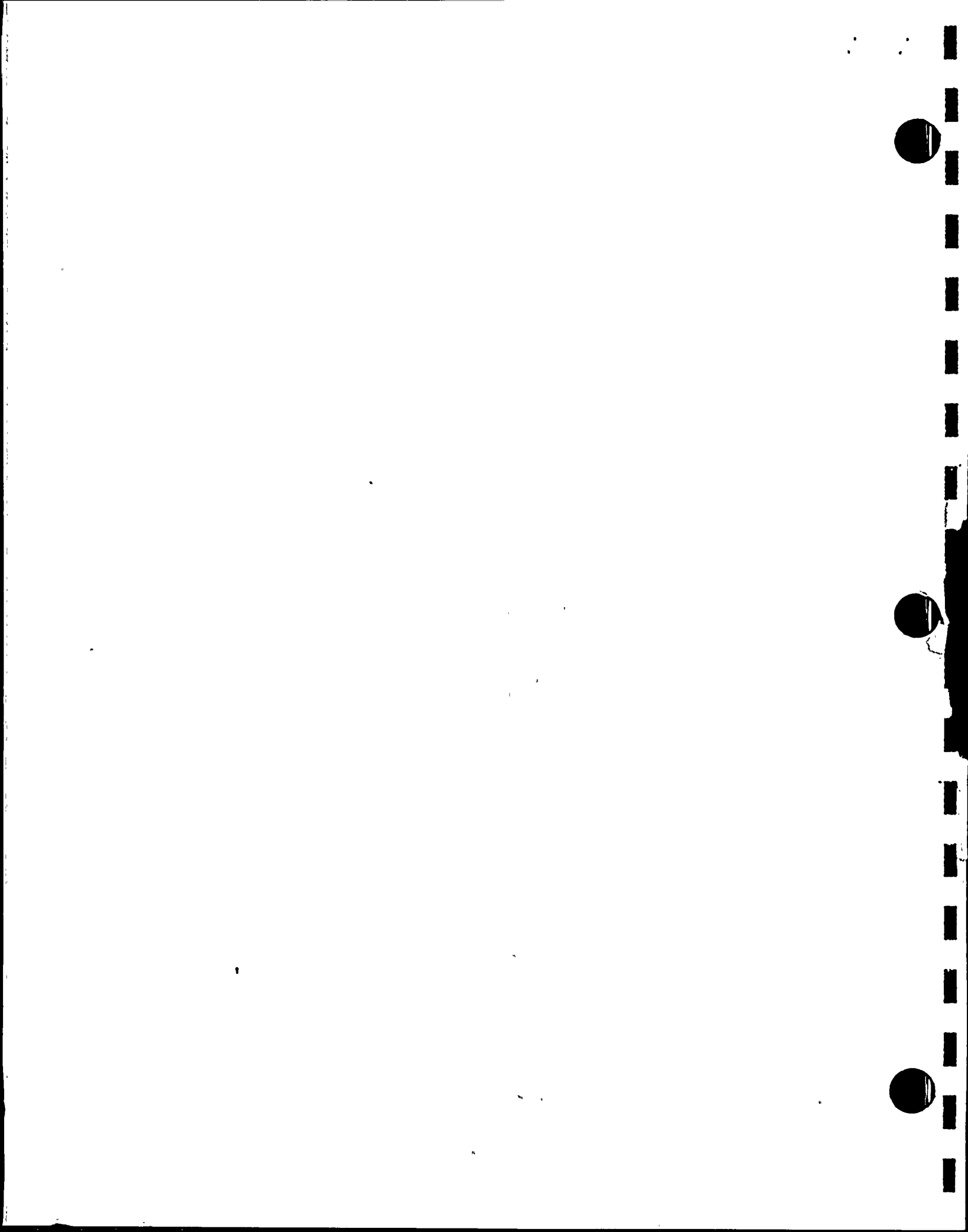


TABLE 6
POST CONSTRUCTION DIFFERENTIAL SETTLEMENTS BETWEEN ADJACENT STRUCTURES.
(PAGE 1 OF 2)

Powerblock Unit No.	Adjacent Structures		Approximate Number of Months both Structures Complete ¹	Settlement Marker Points Compared		Post-Construction Differential Settlement Between Settlement Markers (inches)	Predicted Post- Construction Differential Settlements (inches)
	Structure A	Structure B		Structure A	Structure B		
1	Containment Building	Main Steam Support Structure	7	U1-SM-20 U1-SM-25	U1-SM-19 U1-SM-19	0.1 negligible	negligible negligible
1	Containment Building	Fuel Building	12	U1-SM-24 U1-SM-24	U1-SM-28 U1-SM-29	0.2 0.1	0.1 0.1
1	Auxiliary Building	Control Building	22	U1-SM-21 U1-SM-22	U1-SM-37 U1-SM-36	0.1 0.1	negligible negligible
1	Auxiliary Building	Radwaste Building	8	U1-SM-22 U1-SM-23 U1-SM-23	U1-SM-31 U1-SM-31 U1-SM-30	0.2 0.1 0.1	0.1 0.1 -
1	Auxiliary Building	Turbine Building	22	U1-SM-21	U1-SM-10	0.1	-
1	Main Steam Support Structure	Turbine Building	7	U1-SM-19 U1-SM-19	U1-SM-08 U1-SM-11	negligible negligible	negligible negligible
1	Control Building	Diesel Generator Building	26	U1-SM-34 U1-SM-34	U1-SM-52 U1-SM-50	$\frac{1}{0.1}$	negligible negligible

¹As of August, 1981

²Complete record not available for point U1-SM-52

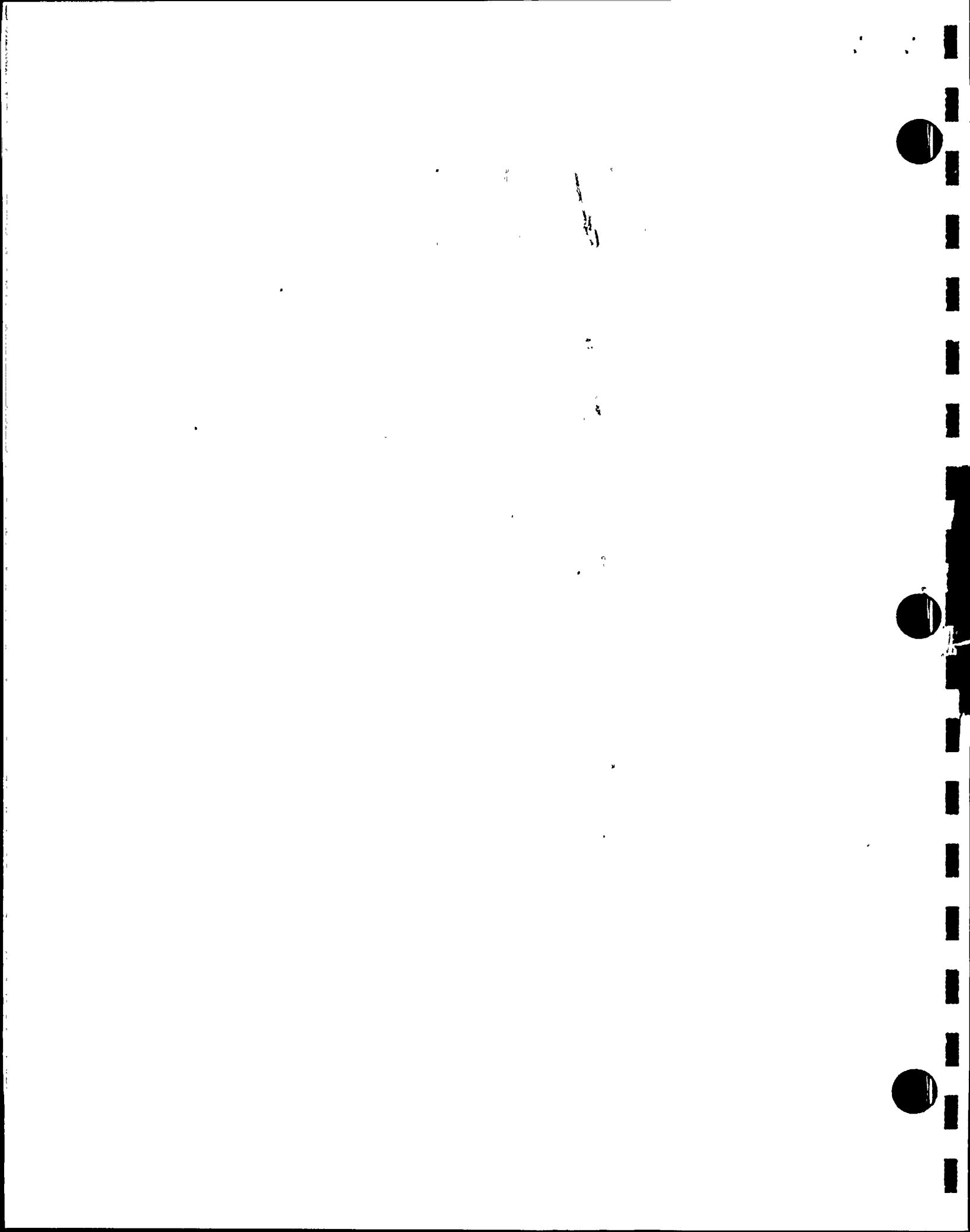


TABLE 6
POST CONSTRUCTION DIFFERENTIAL SETTLEMENTS BETWEEN ADJACENT STRUCTURES
(PAGE 2 OF 2)

Powerblock Unit No.	Adjacent Structures		Approximate Number of Months both Structures Complete ¹	Settlement Marker Points Compared		Post-Construction Differential Settlement Between Settlement Markers (inches)	Predicted Post- Construction Differential Settlements (inches)
	Structure A	Structure B		Structure A	Structure B		
2	Containment Building	Main Steam Support Structure	1	U1-SM-20 U1-SM-25	U1-SM-19 U1-SM-19	negligible negligible	negligible negligible
2	Containment Building	Fuel Building	1	U1-SM-24 U1-SM-24	U1-SM-28 U1-SM-29	negligible negligible	0.1 0.1
2	Auxiliary Building	Control Building	1	U1-SM-21 U1-SM-22	U1-SM-37 U1-SM-36	negligible negligible	negligible negligible
2	Auxiliary Building	Radwaste Building	3	U1-SM-22 U1-SM-23 U1-SM-23	U1-SM-31 U1-SM-31 U1-SM-30	negligible negligible negligible	0.1 0.1 -
2	Auxiliary Building	Turbine Building	6	U1-SM-21	U1-SM-10	0.2	-
2	Main Steam Support Structure	Turbine Building	4	U1-SM-19 U1-SM-19	U1-SM-08 U1-SM-11	negligible negligible	negligible negligible
2	Control Building	Diesel Generator Building	1	U1-SM-34 U1-SM-34	U1-SM-52 U1-SM-50	negligible negligible	negligible negligible

¹As of August, 1981



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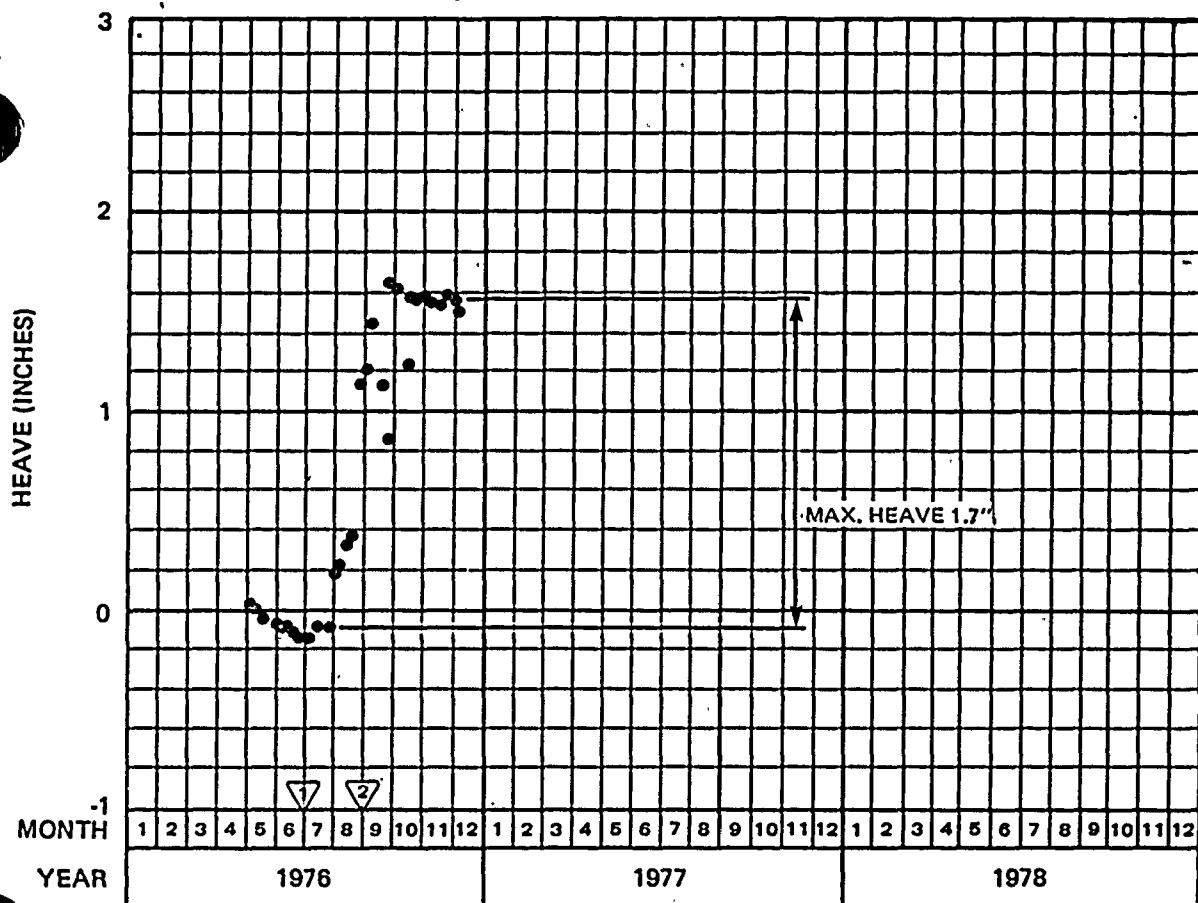
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CONSTRUCTION MILESTONES

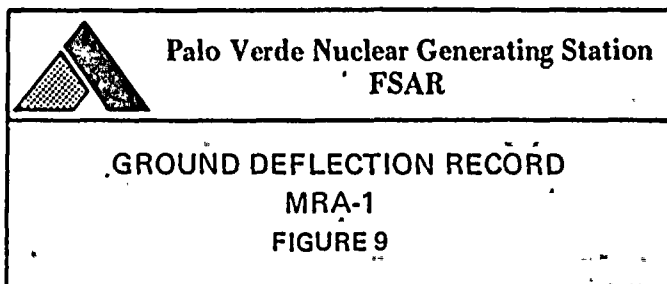
- ① EXCAVATION STARTED 7-2-76
- ② EXCAVATION COMPLETED 8-30-76

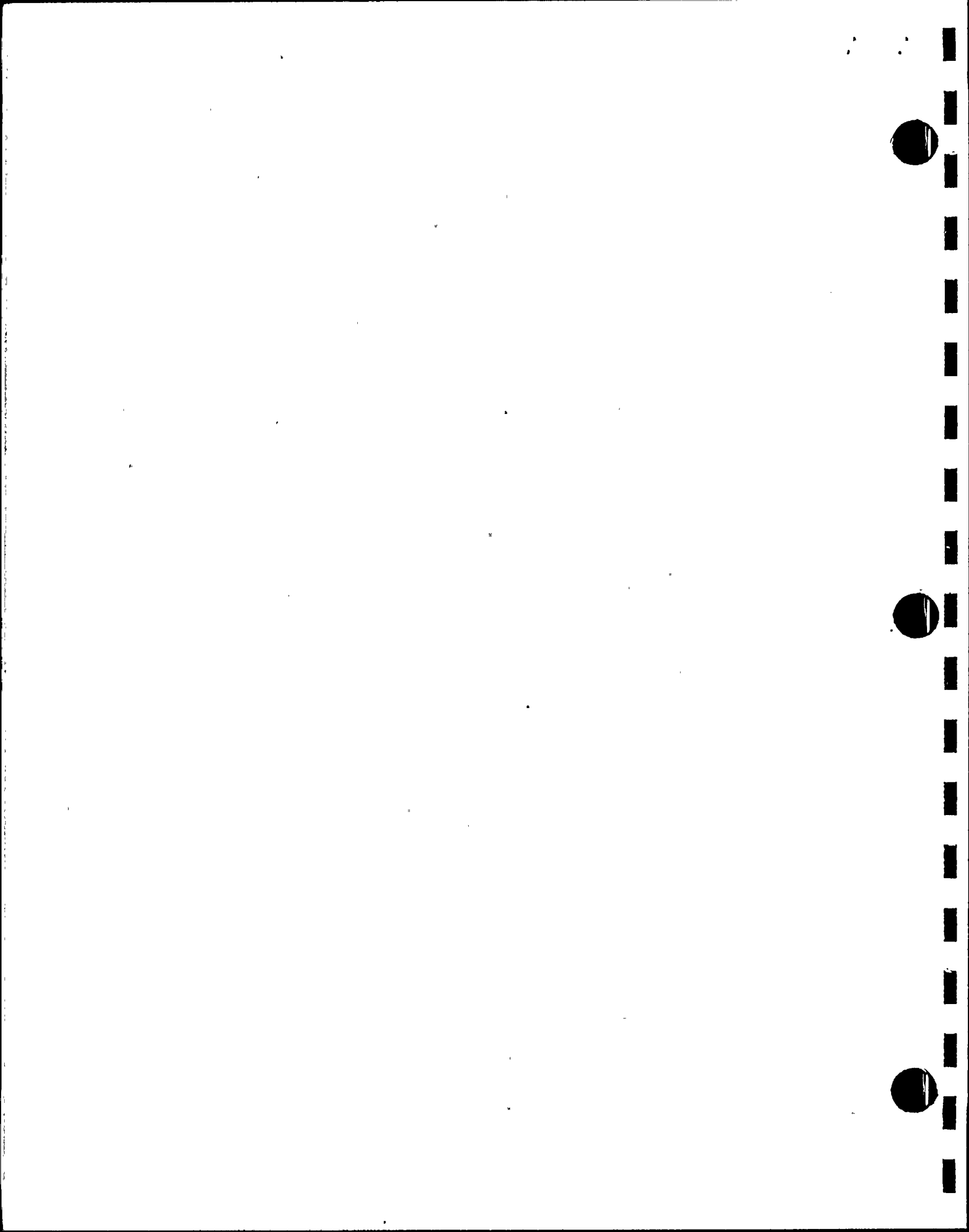
LOCATION: UNIT 1, NEAR CENTER OF CONTAINMENT BUILDING

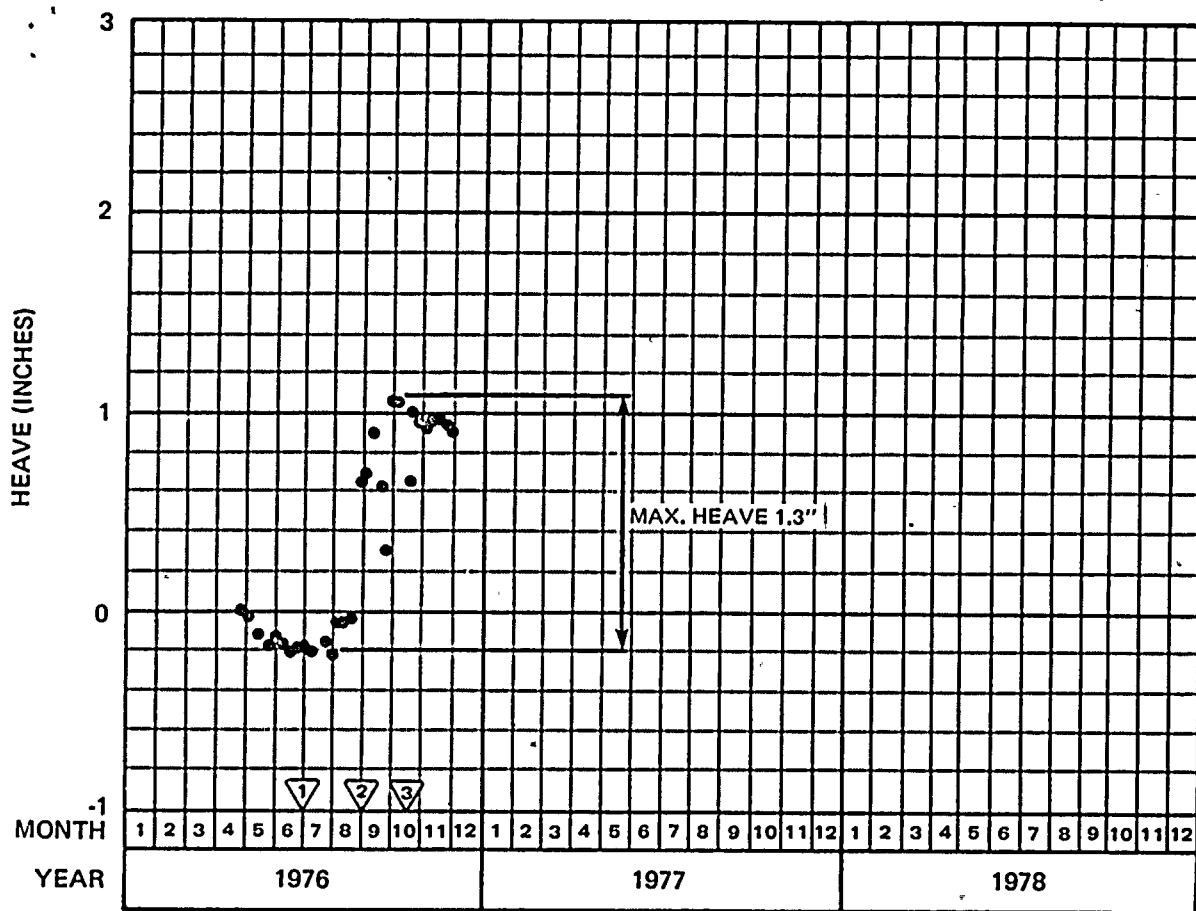
COORDINATES: N 879 638, E 211 438

TOP OF ANCHOR ELEVATION: 904 FT. MSL

TOP OF ANCHOR DEPTH: 53 FT. BELOW FINISH GRADE







CONSTRUCTION MILESTONES

- 1 EXCAVATION STARTED 7-2-76
- 2 EXCAVATION COMPLETED 8-30-76
- 3 REINFORCED EARTH WALL COMPLETED 10-18-76

LOCATION: UNIT 1, BETWEEN CONTAINMENT AND TURBINE BUILDING

COORDINATES: N 870 692, E 211 501

TOP OF ANCHOR ELEVATION: 905 FT. MSL

TOP OF ANCHOR DEPTH: 52 FT. BELOW FINISH GRADE

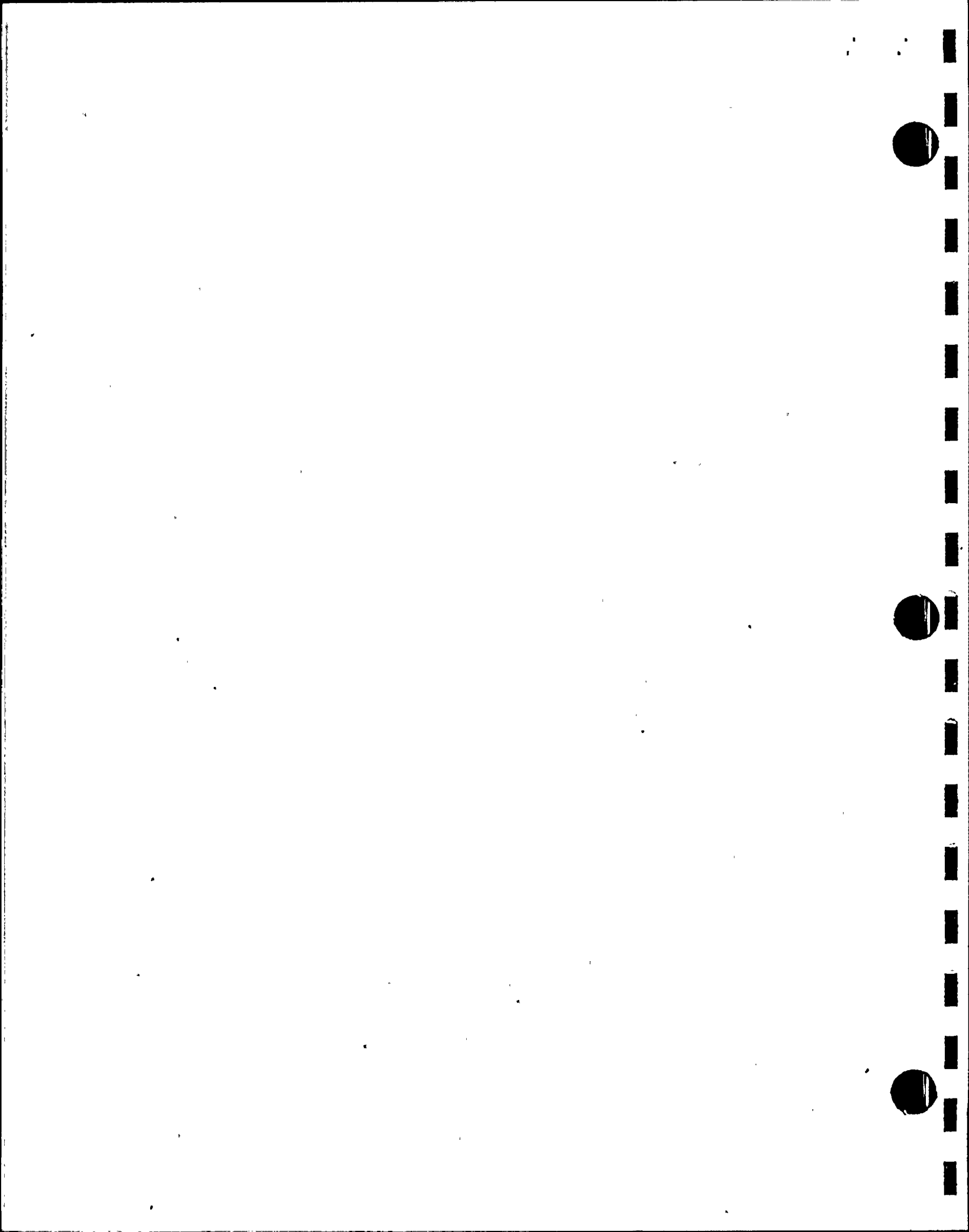


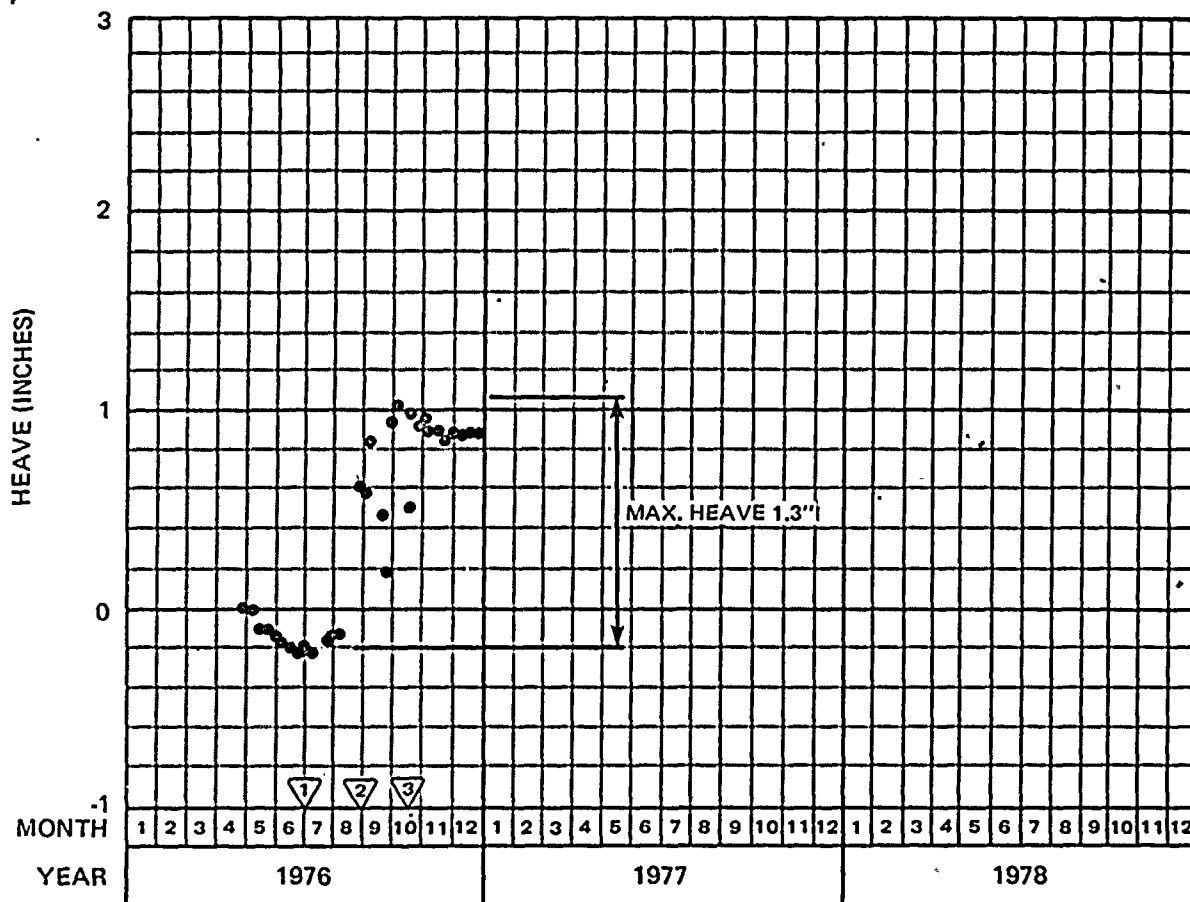
Palo Verde Nuclear Generating Station
FSAR

GROUND DEFLECTION RECORD

MRA-2

FIGURE 10





CONSTRUCTION MILESTONES

- ① EXCAVATION STARTED 7-2-76
- ② EXCAVATION COMPLETED 8-30-76
- ③ REINFORCED EARTH WALL COMPLETED 10-18-76

LOCATION: UNIT 1, NORTHEAST SIDE OF AUXILIARY BUILDING

COORDINATES: N 870 592, E 211 579

TOP OF ANCHOR ELEVATION: 888 FT. MSL

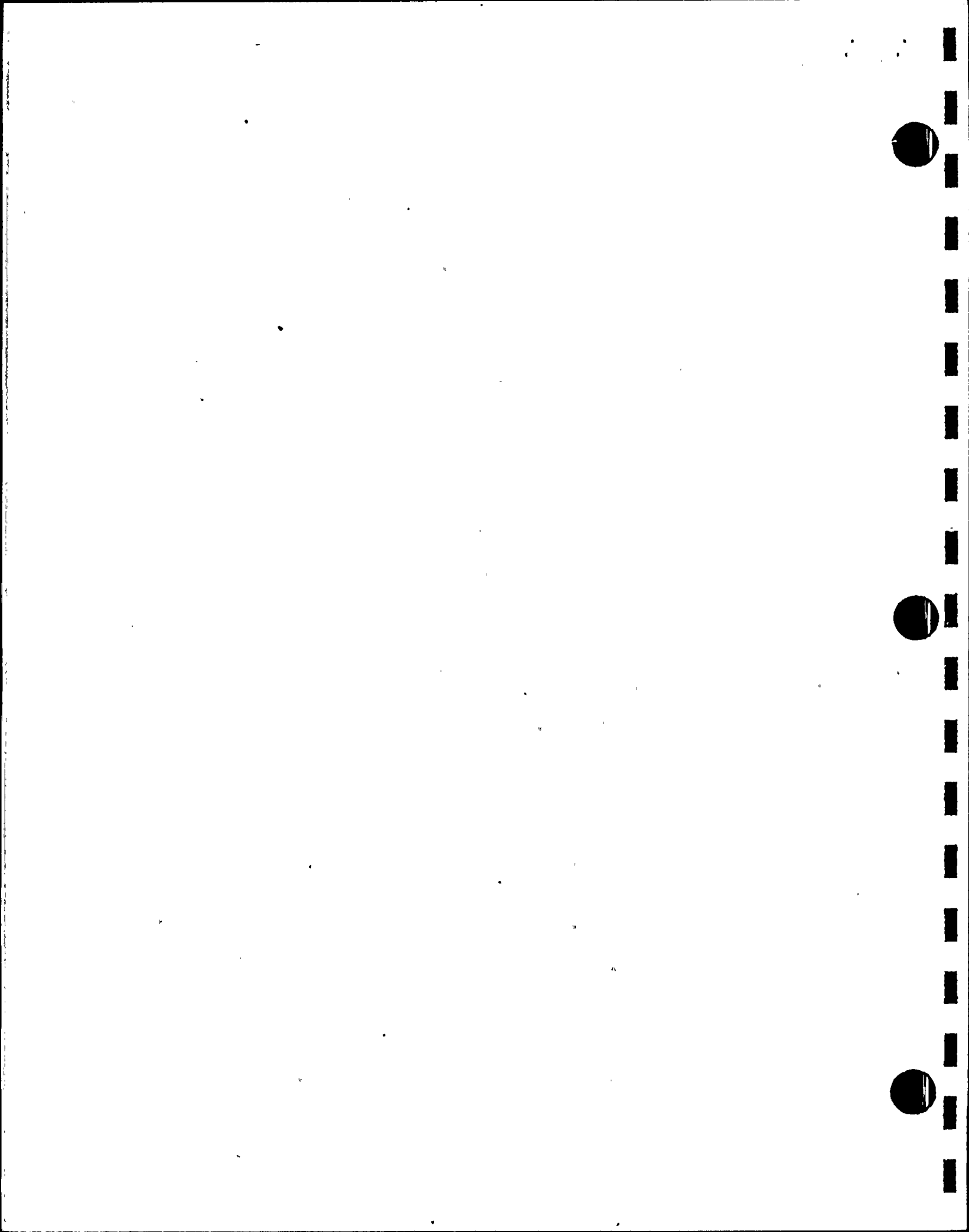
TOP OF ANCHOR DEPTH: 69 FT. BELOW FINISH GRADE

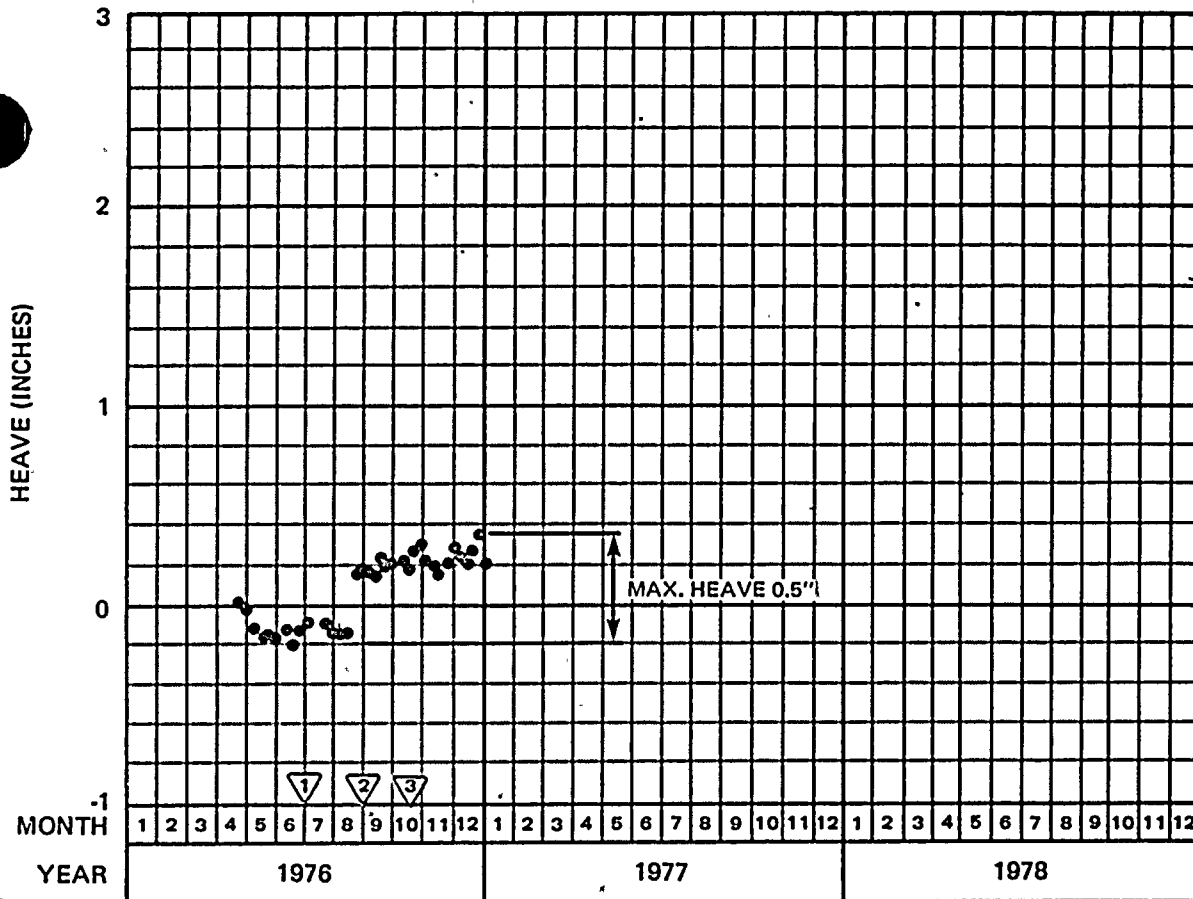


Palo Verde Nuclear Generating Station
FSAR

'GROUND DEFLECTION RECORD

MRA-3
FIGURE 11





CONSTRUCTION MILESTONES


- 1 EXCAVATION STARTED 7-2-76
- 2 EXCAVATION COMPLETED 8-30-76
- 3 REINFORCED EARTH WALL COMPLETED 10-18-76

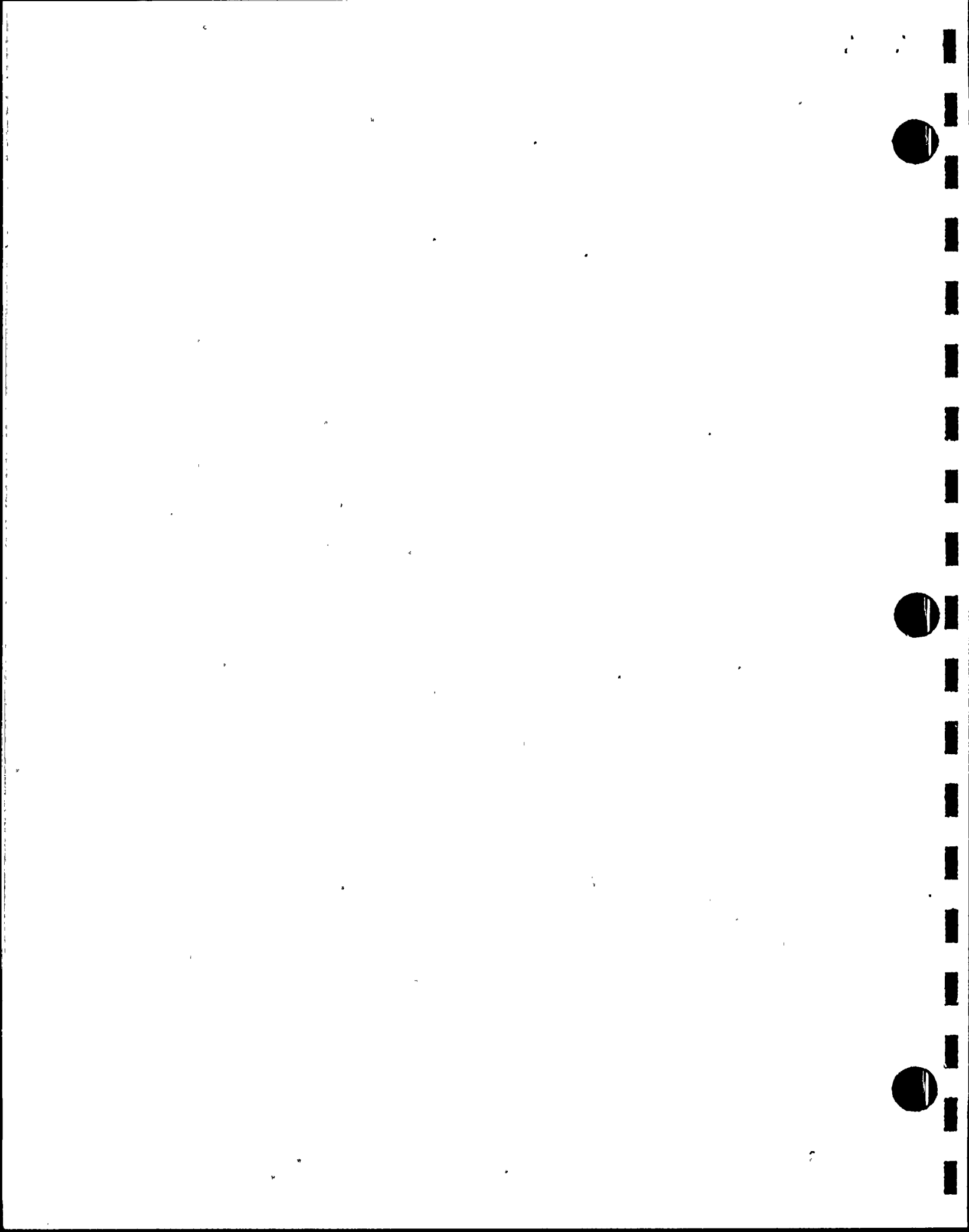
LOCATION: UNIT 1, TURBINE BUILDING

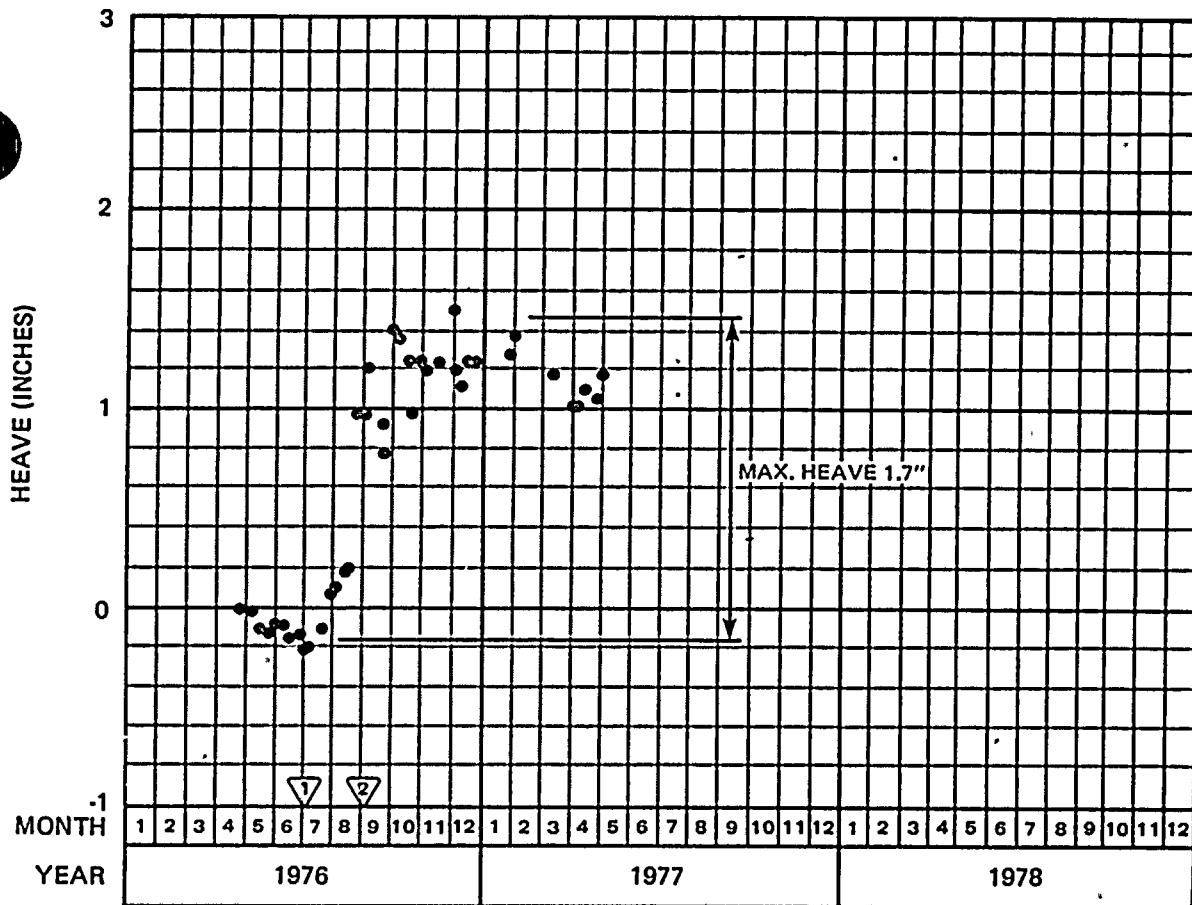
COORDINATES: N 870 839, E 211 685

TOP OF ANCHOR ELEVATION: 938 FT. MSL

TOP OF ANCHOR DEPTH: 19 FT. BELOW FINISH GRADE

	Palo Verde Nuclear Generating Station FSAR
	GROUND DEFLECTION RECORD MRA-4 FIGURE 12





CONSTRUCTION MILESTONES


- 1 EXCAVATION STARTED 7-2-76
- 2 EXCAVATION COMPLETED 8-30-76

LOCATION: UNIT 1, BETWEEN FUEL AND RADWASTE BUILDINGS

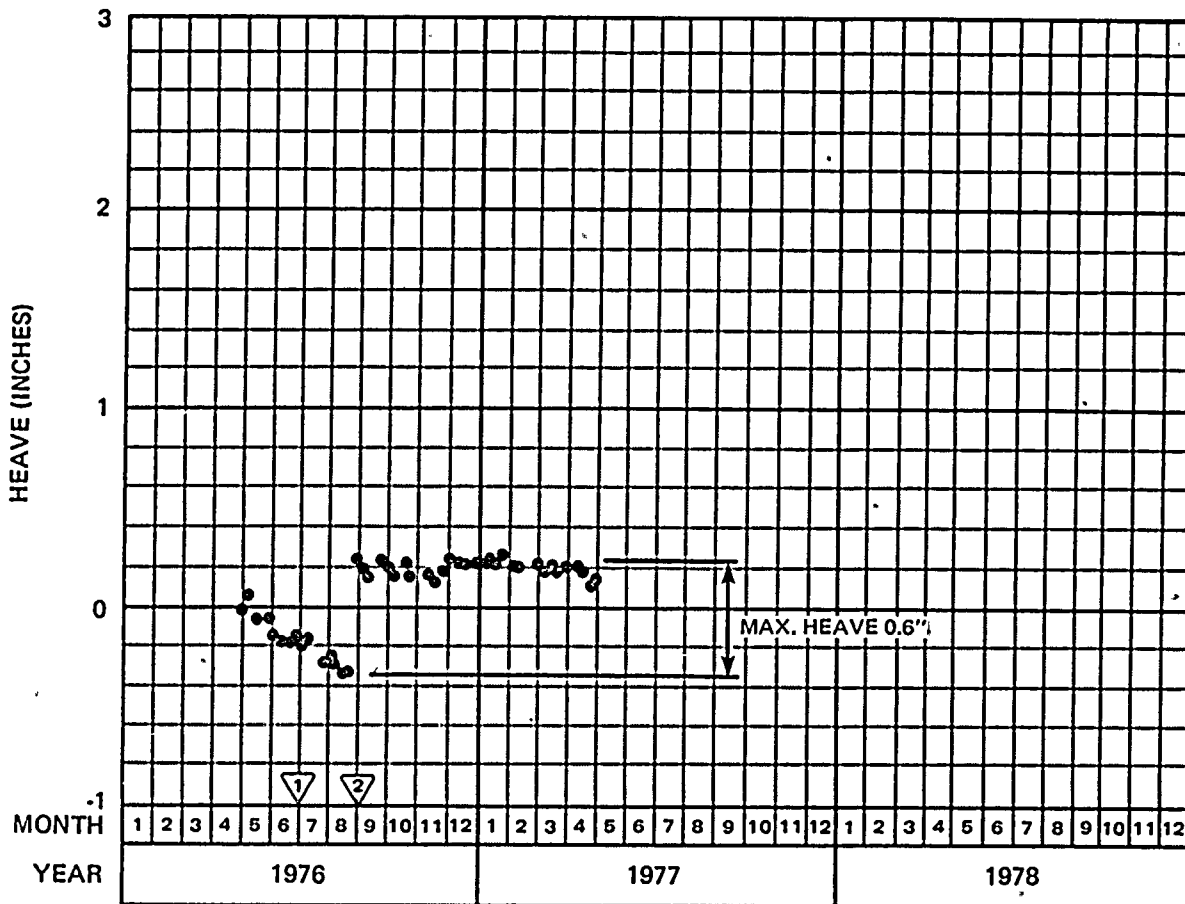
COORDINATES: N 870 456, E 211 353

TOP OF ANCHOR ELEVATION: 895 FT. MSL

TOP OF ANCHOR DEPTH: 62 FT. BELOW FINISH GRADE

	Palo Verde Nuclear Generating Station FSAR
	GROUND DEFLECTION RECORD
	MRA-5 FIGURE 13





CONSTRUCTION MILESTONES

- 1 EXCAVATION STARTED 7-2-76
- 2 EXCAVATION COMPLETED 8-30-76

LOCATION: UNIT 1, SPRAY PONDS

COORDINATES: N 870 277, E 211 099

TOP OF ANCHOR ELEVATION: 940 FT. MSL

TOP OF ANCHOR DEPTH: 17 FT. BELOW FINISH GRADE

Palo Verde Nuclear Generating Station

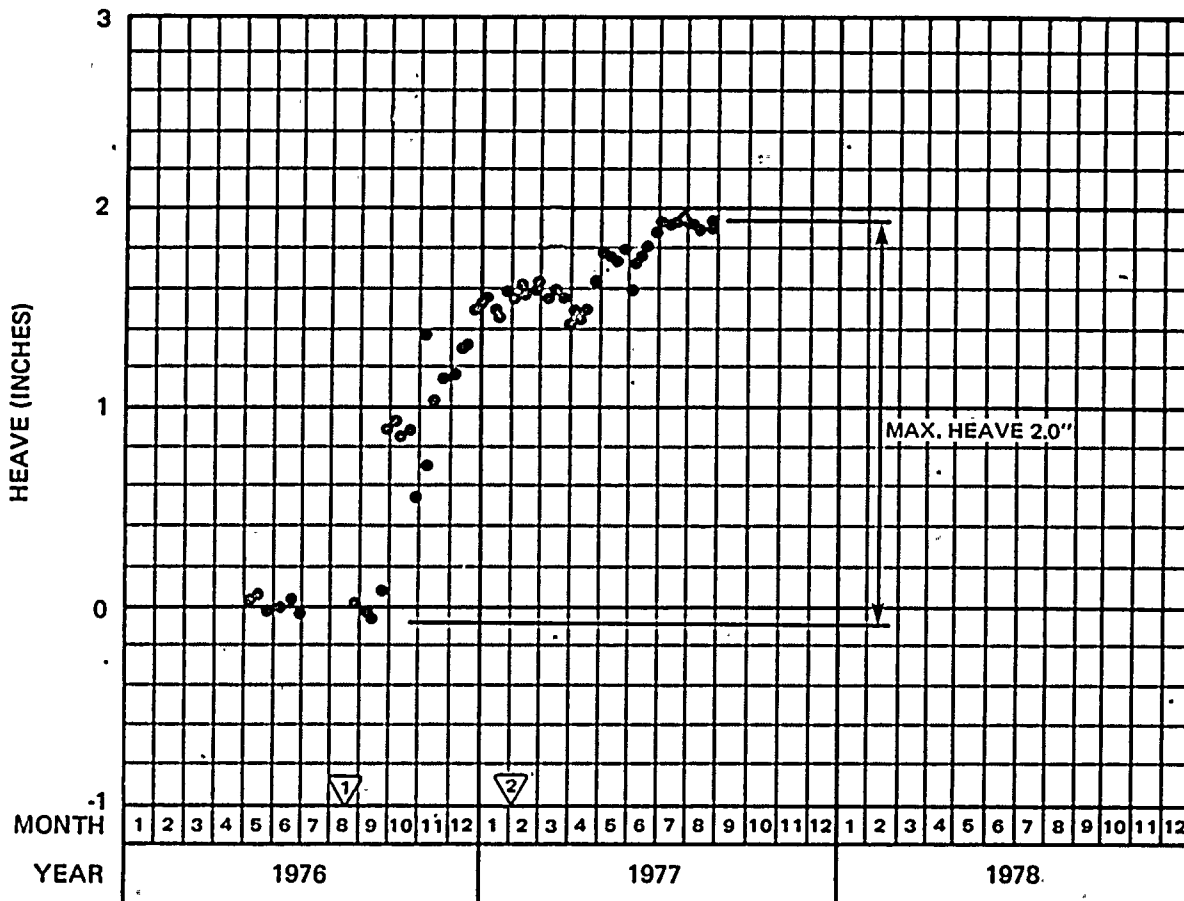
FSAR

GROUND DEFLECTION RECORD

MRA-6

FIGURE 14





CONSTRUCTION MILESTONES


- ▽ EXCAVATION STARTED 8-18-76
- ▽ EXCAVATION COMPLETED 1-30-77

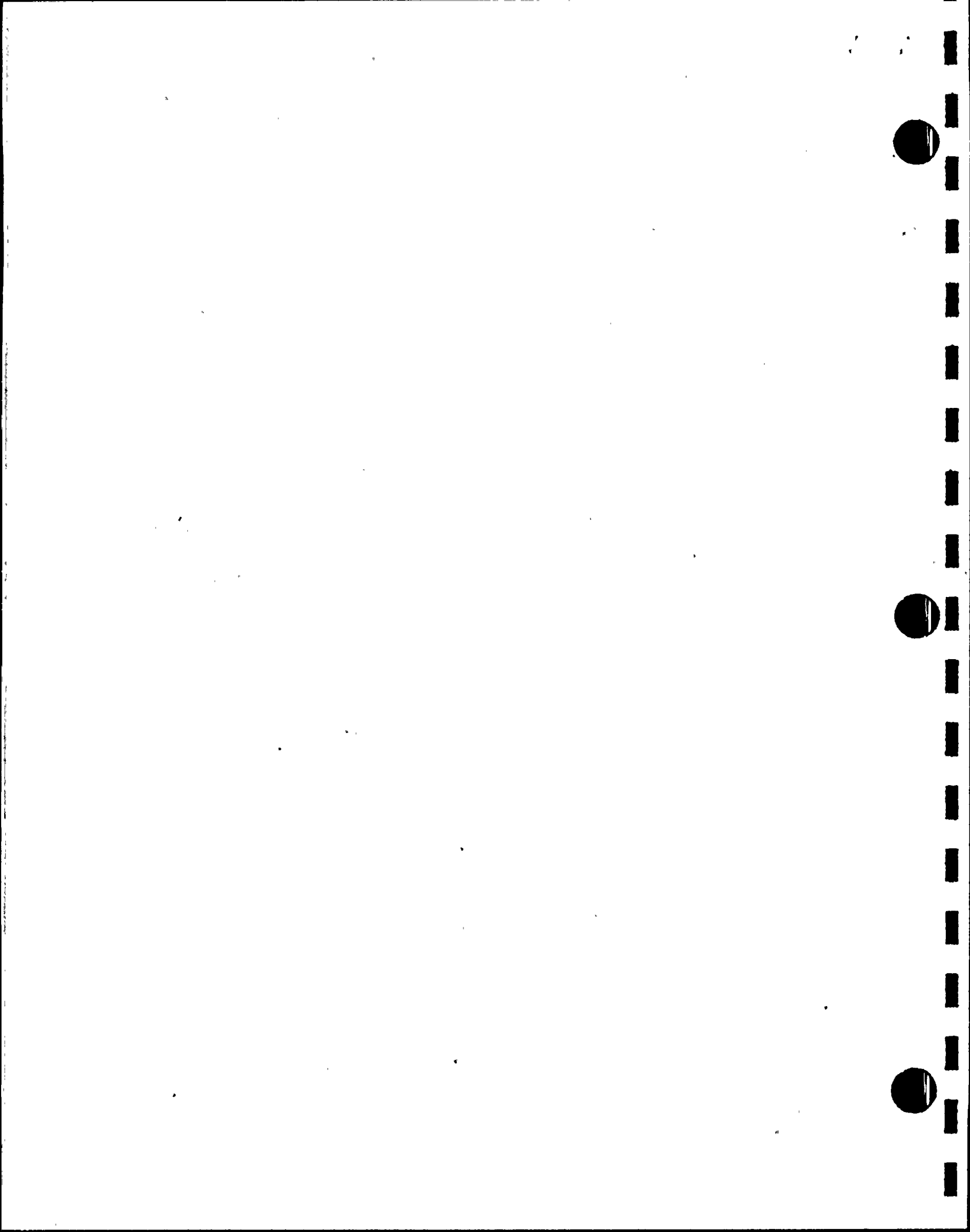
LOCATION: UNIT 2, NEAR CENTER OF CONTAINMENT BUILDING

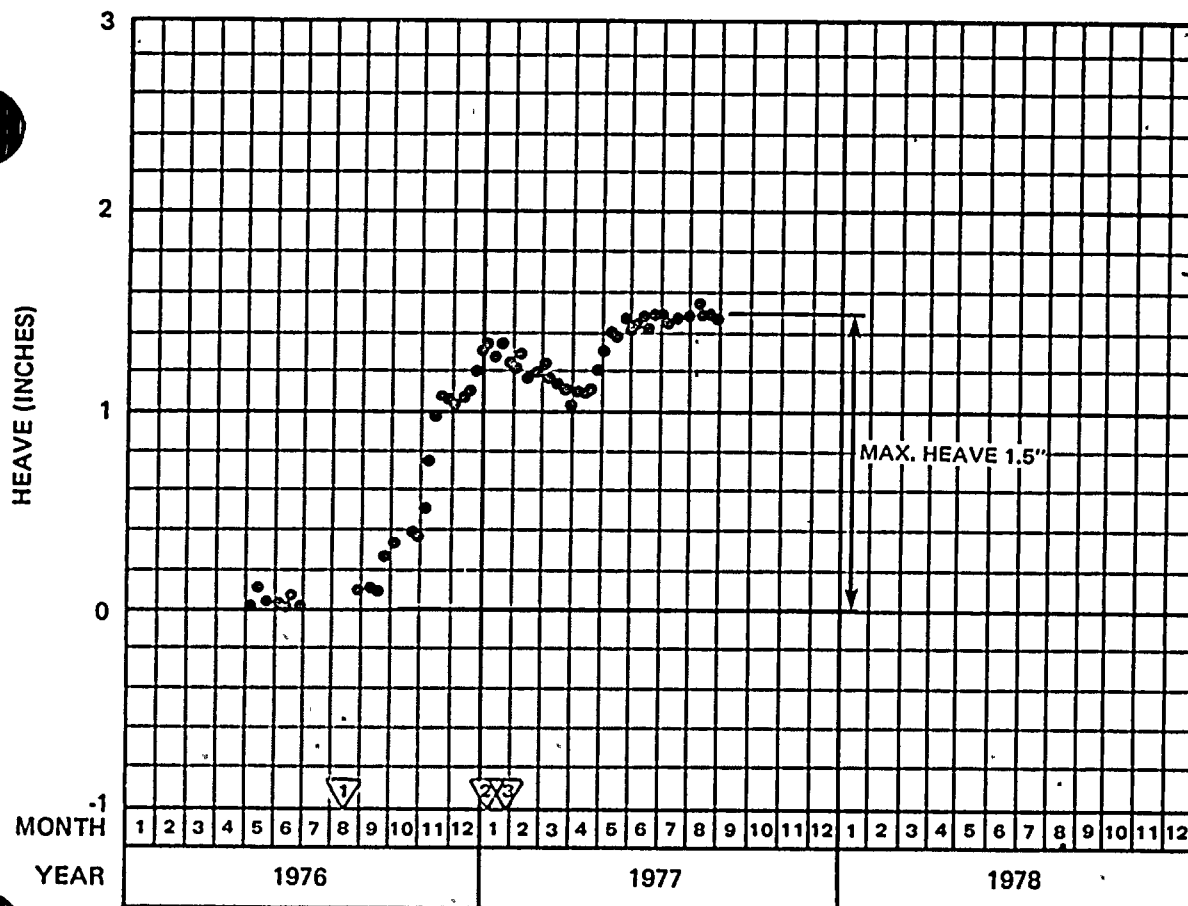
COORDINATES: N 869 707, E 210 654

TOP OF ANCHOR ELEVATION: 901 FT. MSL

TOP OF ANCHOR DEPTH: 53 FT. BELOW FINISH GRADE

	Palo Verde Nuclear Generating Station FSAR
	GROUND DEFLECTION RECORD MRA-7 FIGURE 15





CONSTRUCTION MILESTONES

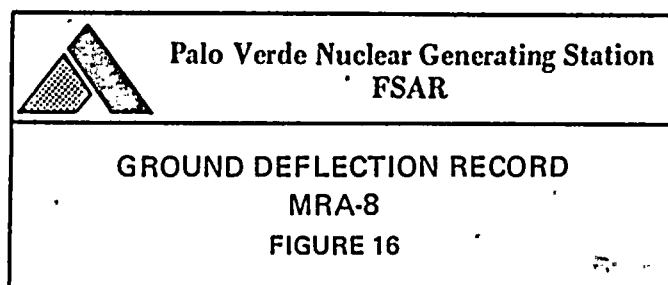
- 1 EXCAVATION STARTED 8-18-76
- 2 EXCAVATION COMPLETED 1-30-77
- 3 REINFORCED EARTH WALL COMPLETED 1-12-77

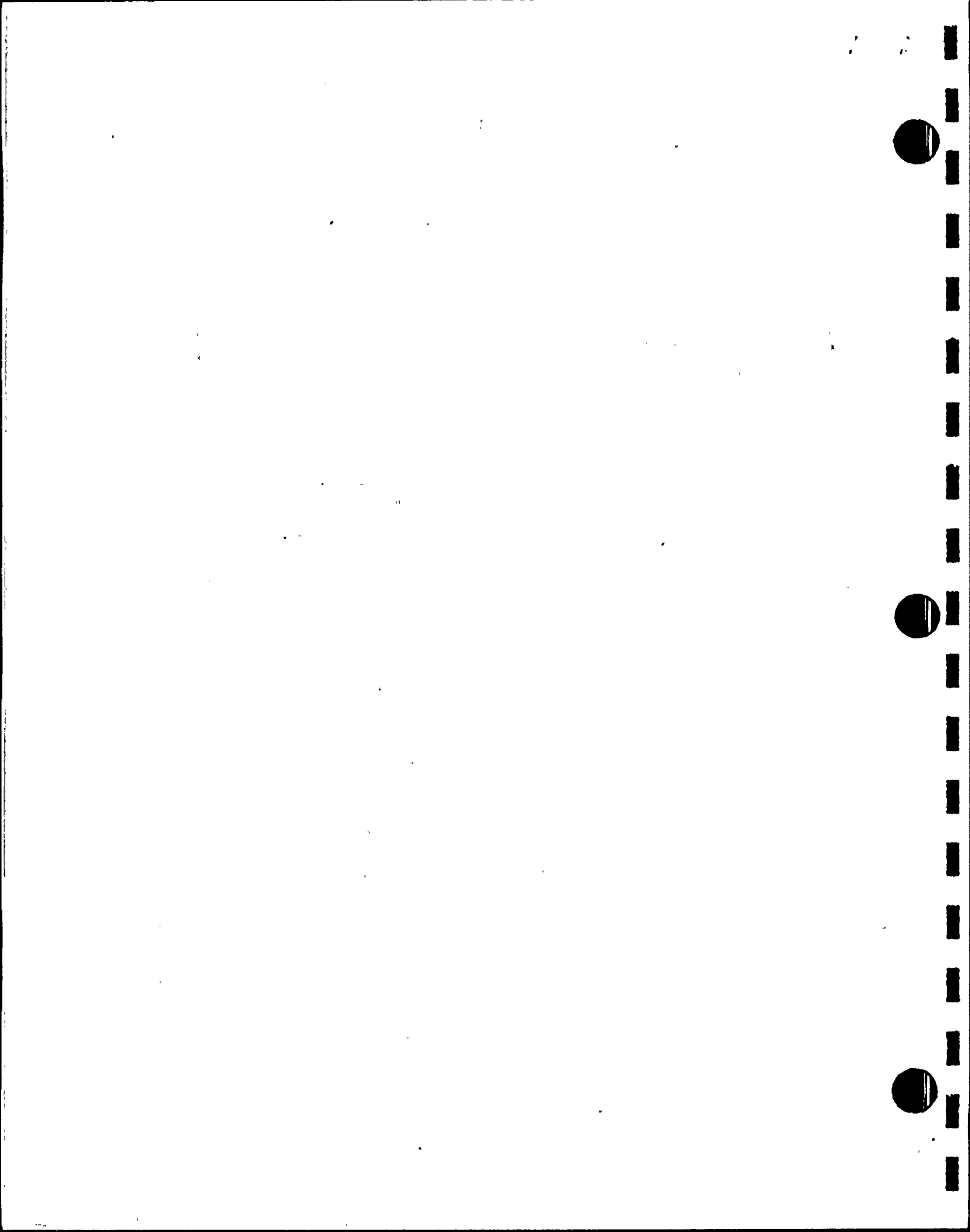
LOCATION: UNIT 2, BETWEEN CONTAINMENT AND TURBINE BUILDINGS

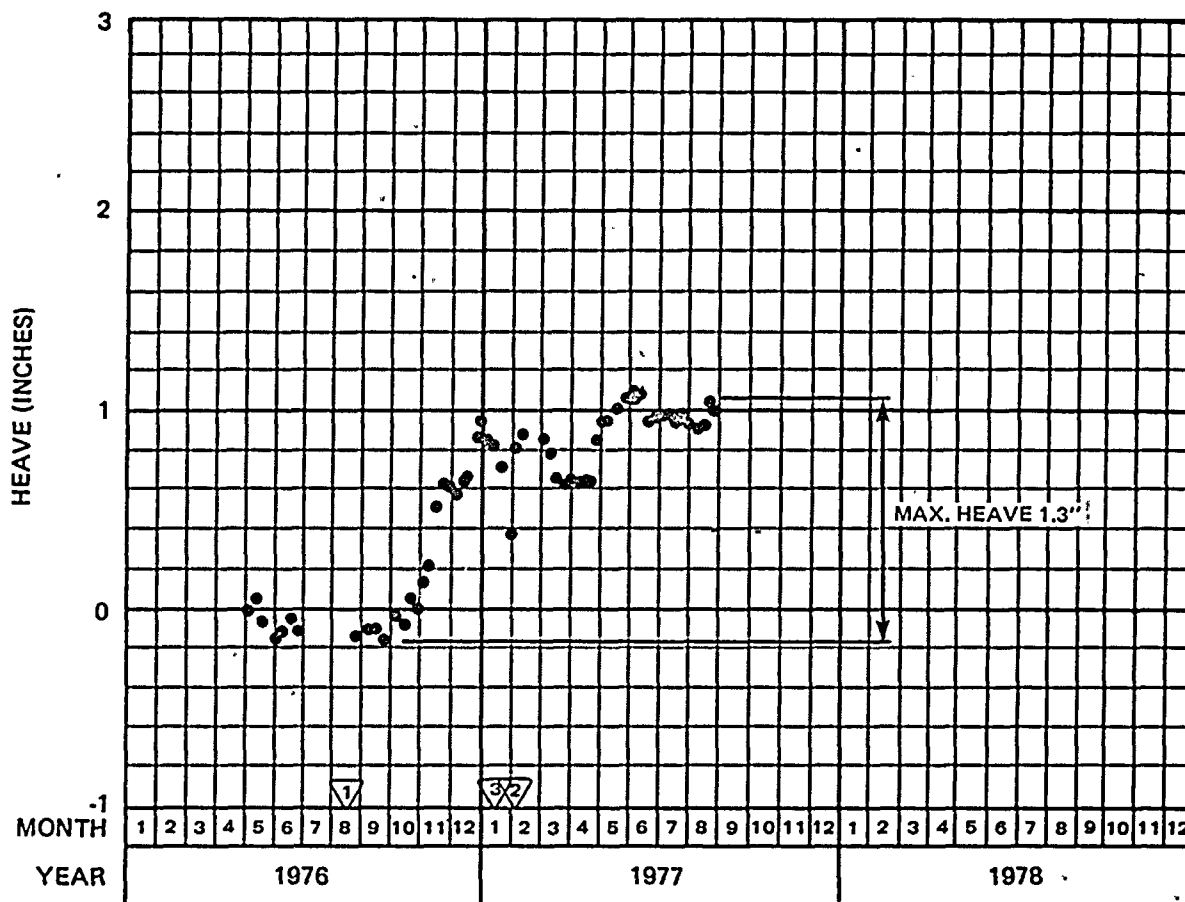
COORDINATES: N 869 802, E 210 709

TOP OF ANCHOR ELEVATION: 902 FT. MSL

TOP OF ANCHOR DEPTH: 52 FT. BELOW FINISH GRADE







CONSTRUCTION MILESTONES


- 1 EXCAVATION STARTED 8-18-76
- 2 EXCAVATION COMPLETED 1-30-77
- 3 REINFORCED EARTH WALL COMPLETED 1-12-77

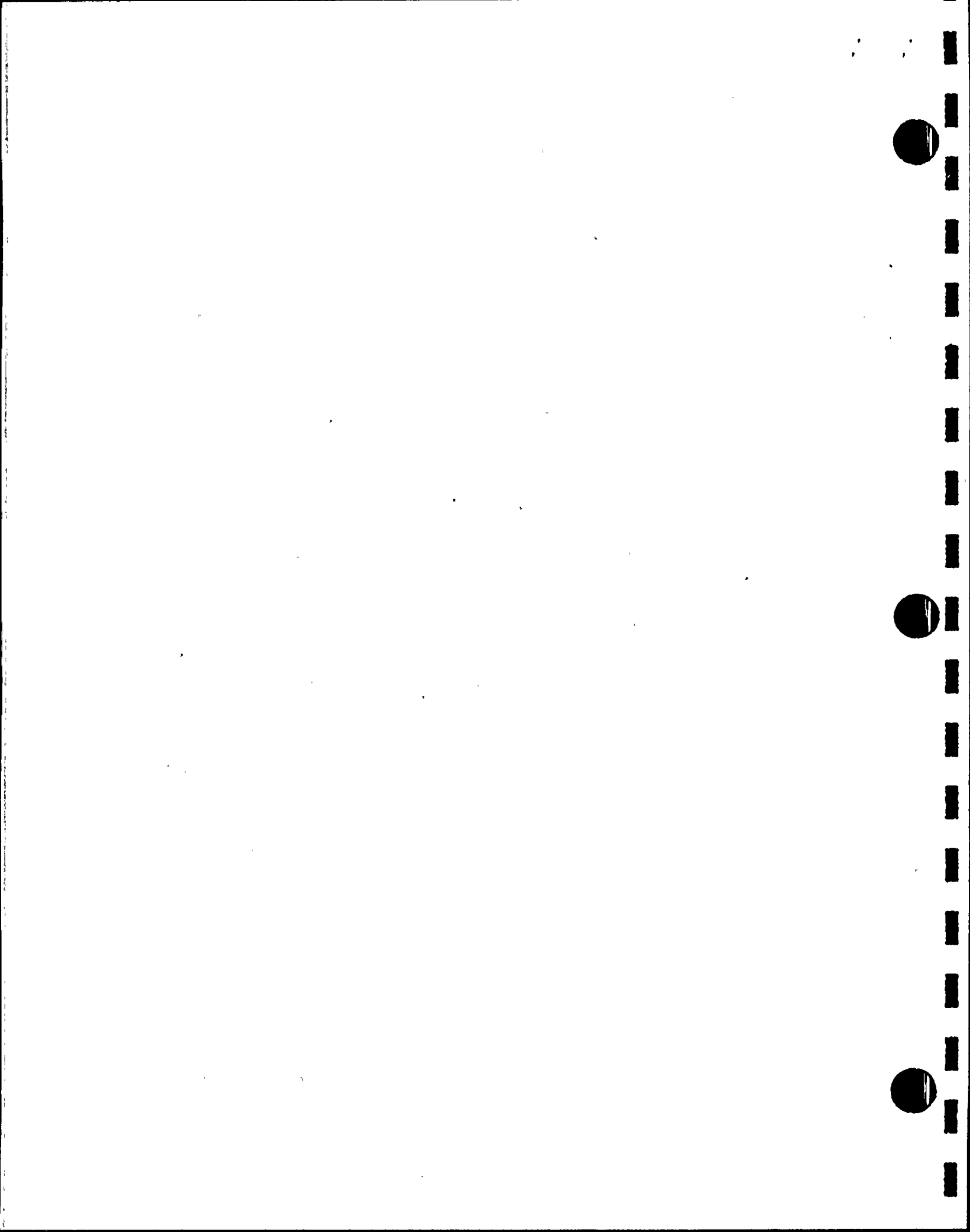
LOCATION: UNIT 2, EAST SIDE OF AUXILIARY BUILDING

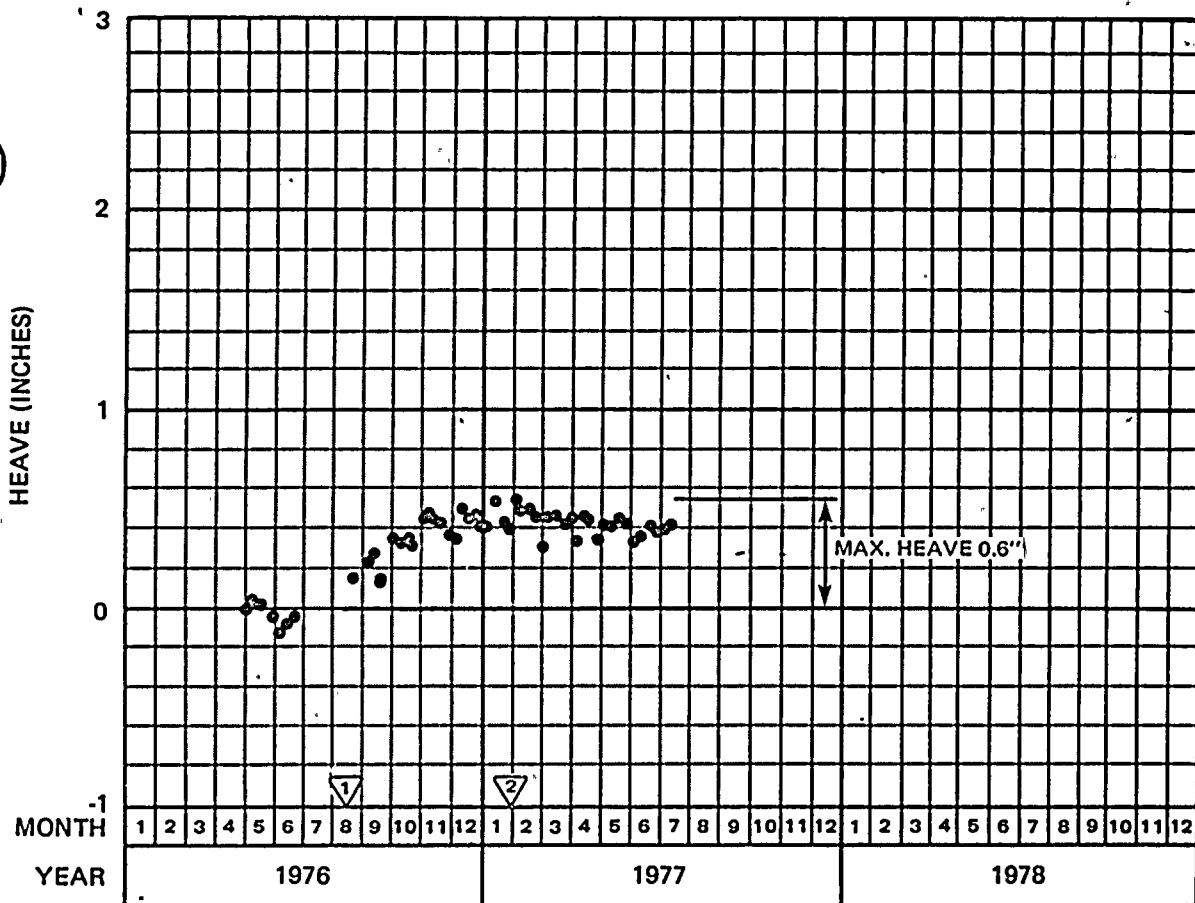
COORDINATES: N 869 729, E 210 817

TOP OF ANCHOR ELEVATION: 884 FT. MSL

TOP OF ANCHOR DEPTH: 70 FT. BELOW FINISH GRADE

	Palo Verde Nuclear Generating Station FSAR
	GROUND DEFLECTION RECORD MRA-9 FIGURE 17





INSTRUCTION MILESTONES


- 1 EXCAVATION STARTED 8-18-76
- 2 EXCAVATION COMPLETED 1-30-77

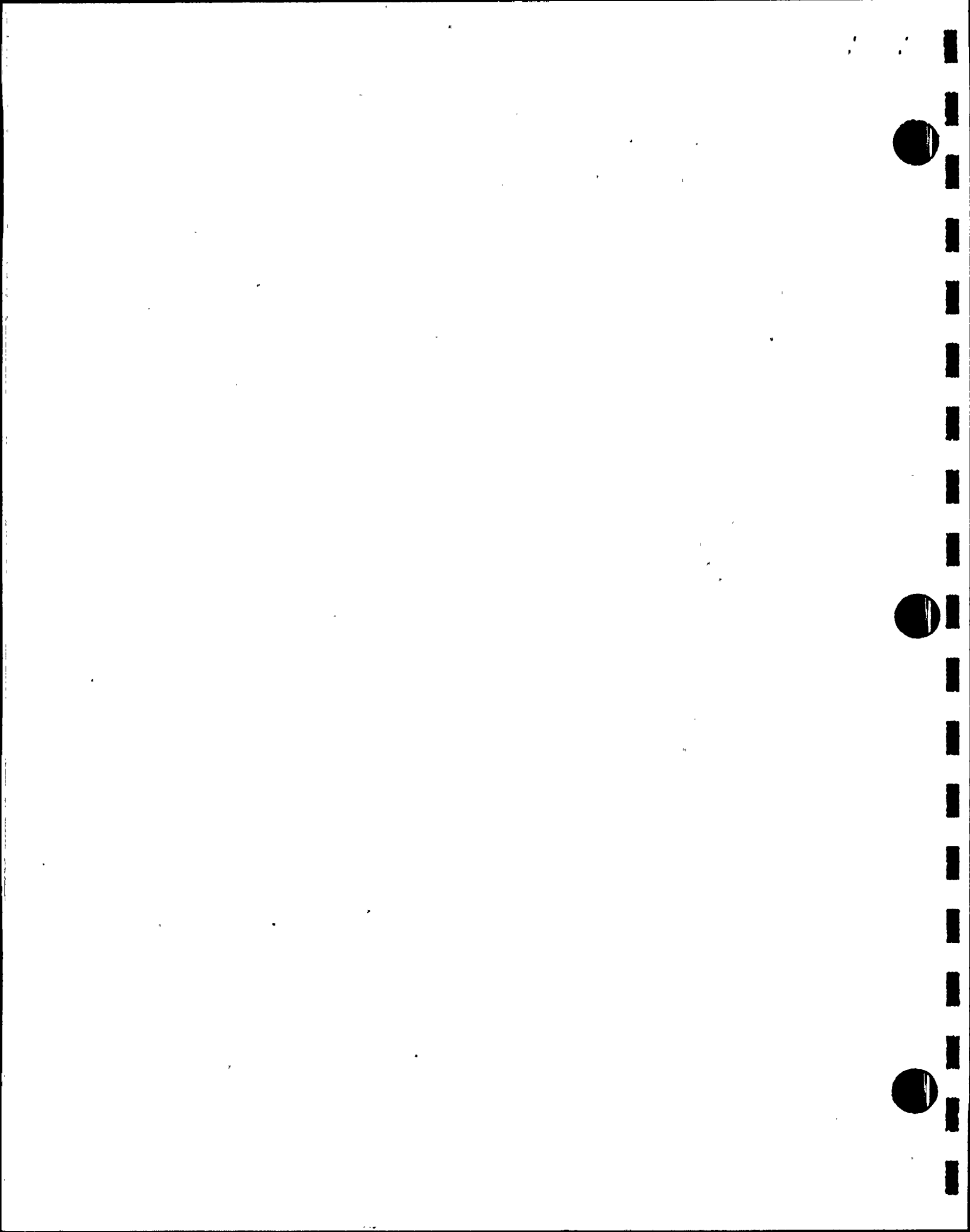
LOCATION: UNIT 2, NEAR CENTER OF TURBINE BUILDING

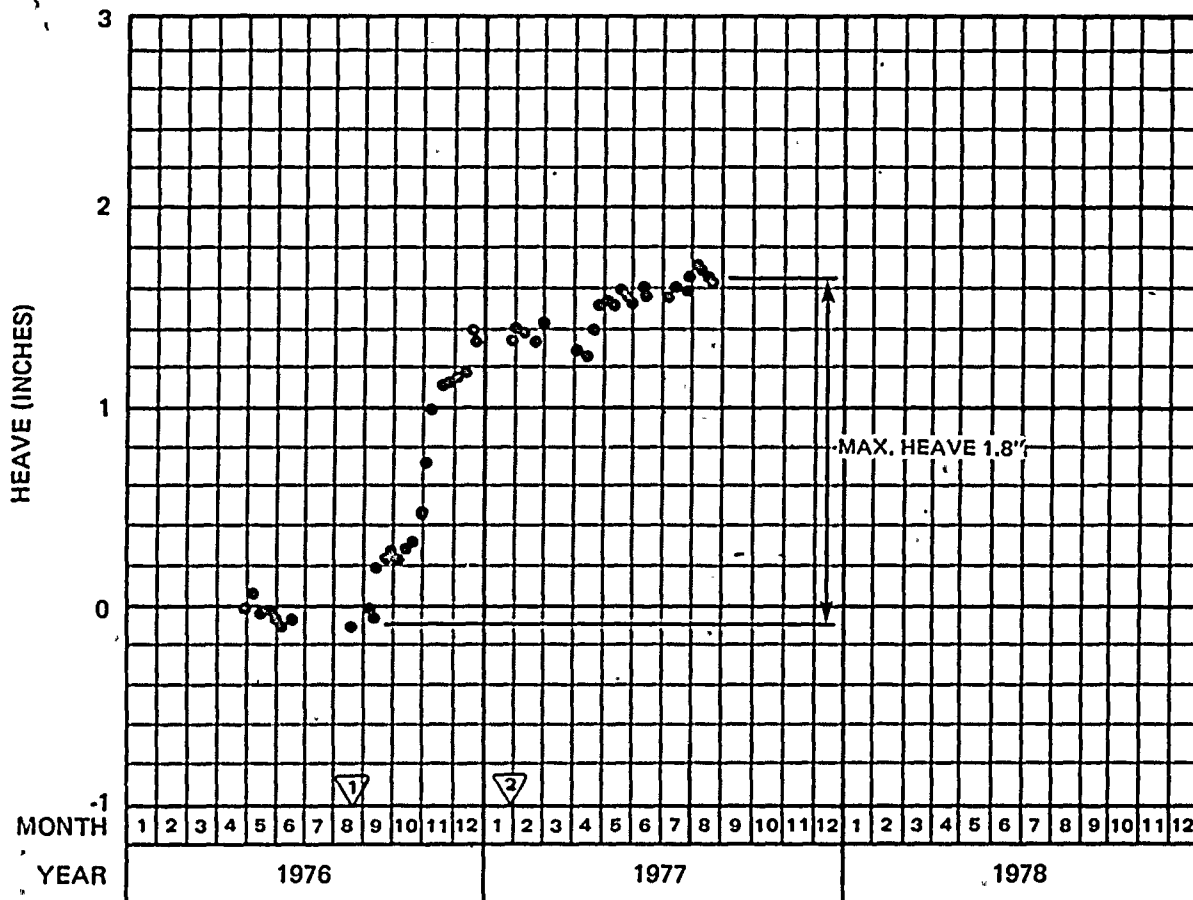
COORDINATES: N 869 996, E 210 833

TOP OF ANCHOR ELEVATION: 935 FT. MSL

TOP OF ANCHOR DEPTH: 19 FT. BELOW FINISH GRADE

	Palo Verde Nuclear Generating Station
	FSAR
	GROUND DEFLECTION RECORD
	MRA-10
	FIGURE 18





CONSTRUCTION MILESTONES

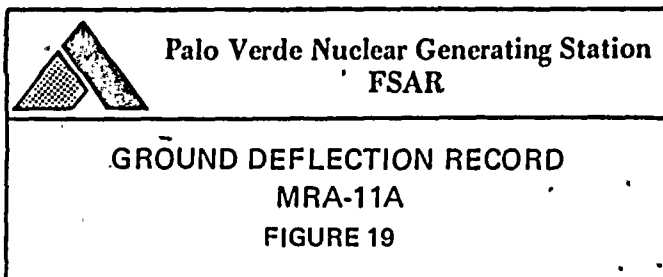
- 1 EXCAVATION STARTED 8-18-76
- 2 EXCAVATION COMPLETED 1-30-77

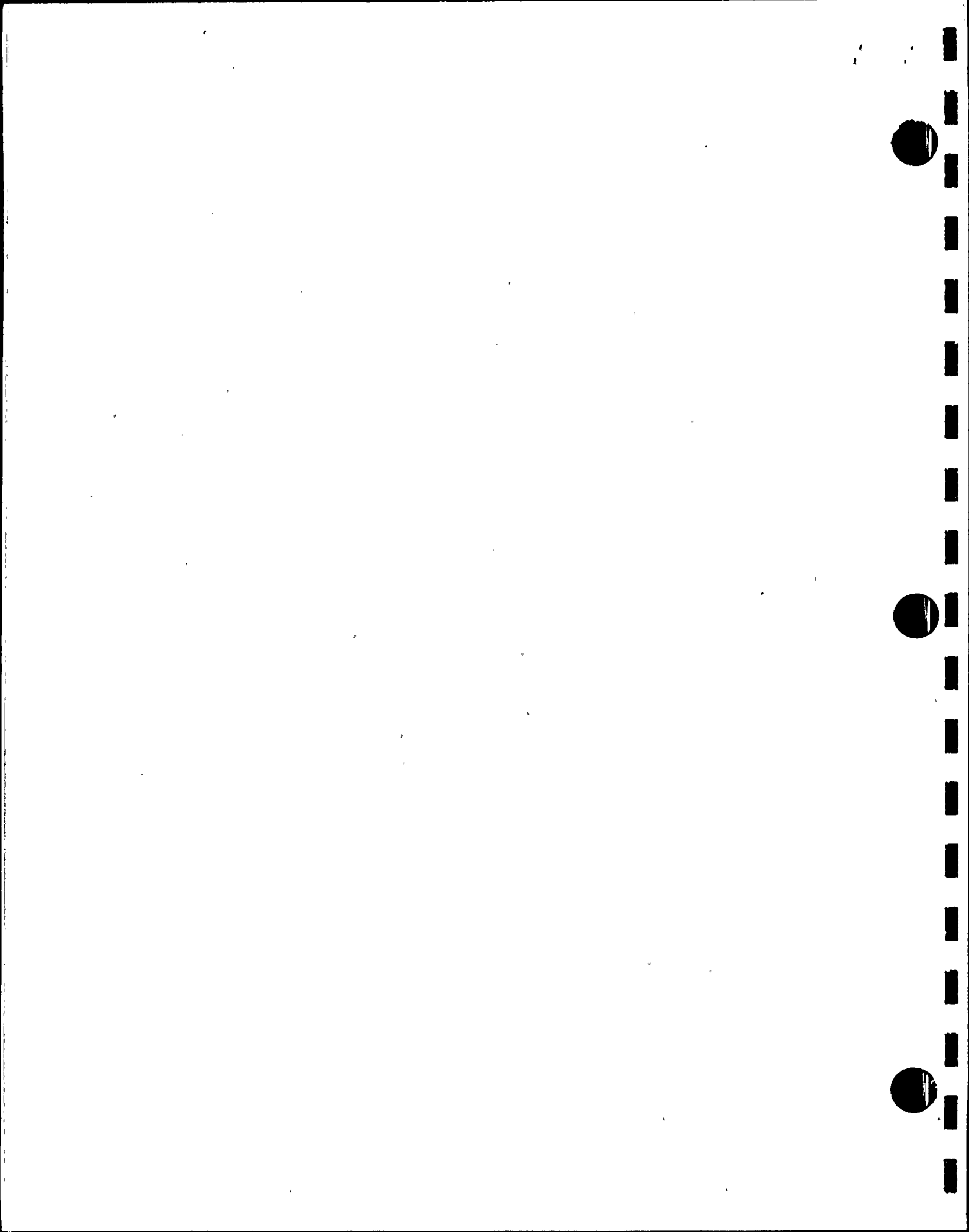
LOCATION: UNIT 2, BETWEEN FUEL AND RADWASTE BUILDINGS

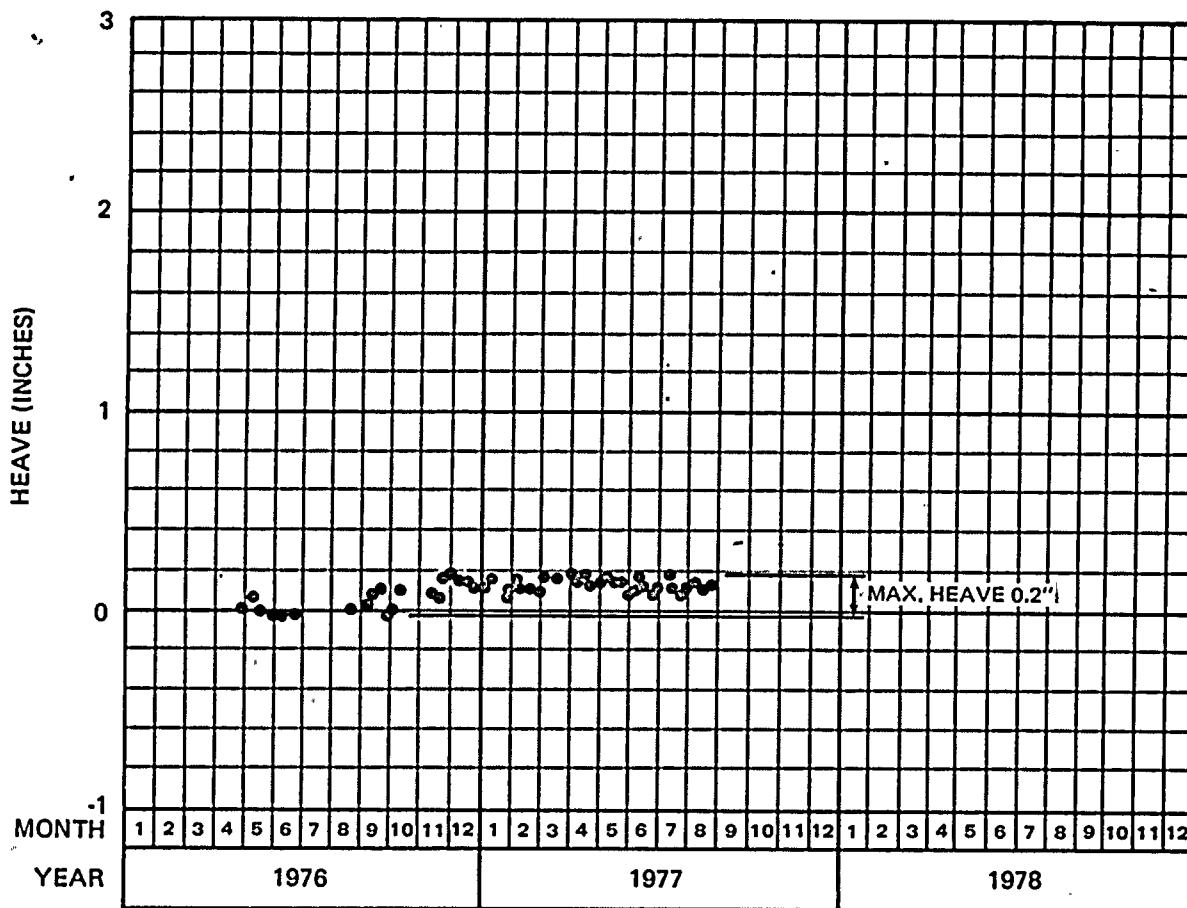
COORDINATES: N 869 523, E 210 652

TOP OF ANCHOR ELEVATION: 891 FT. MSL

TOP OF ANCHOR DEPTH: 63 FT. BELOW FINISH GRADE







CONSTRUCTION MILESTONES


- 1 EXCAVATION STARTED 8-18-76
- 2 EXCAVATION COMPLETED 1-30-77

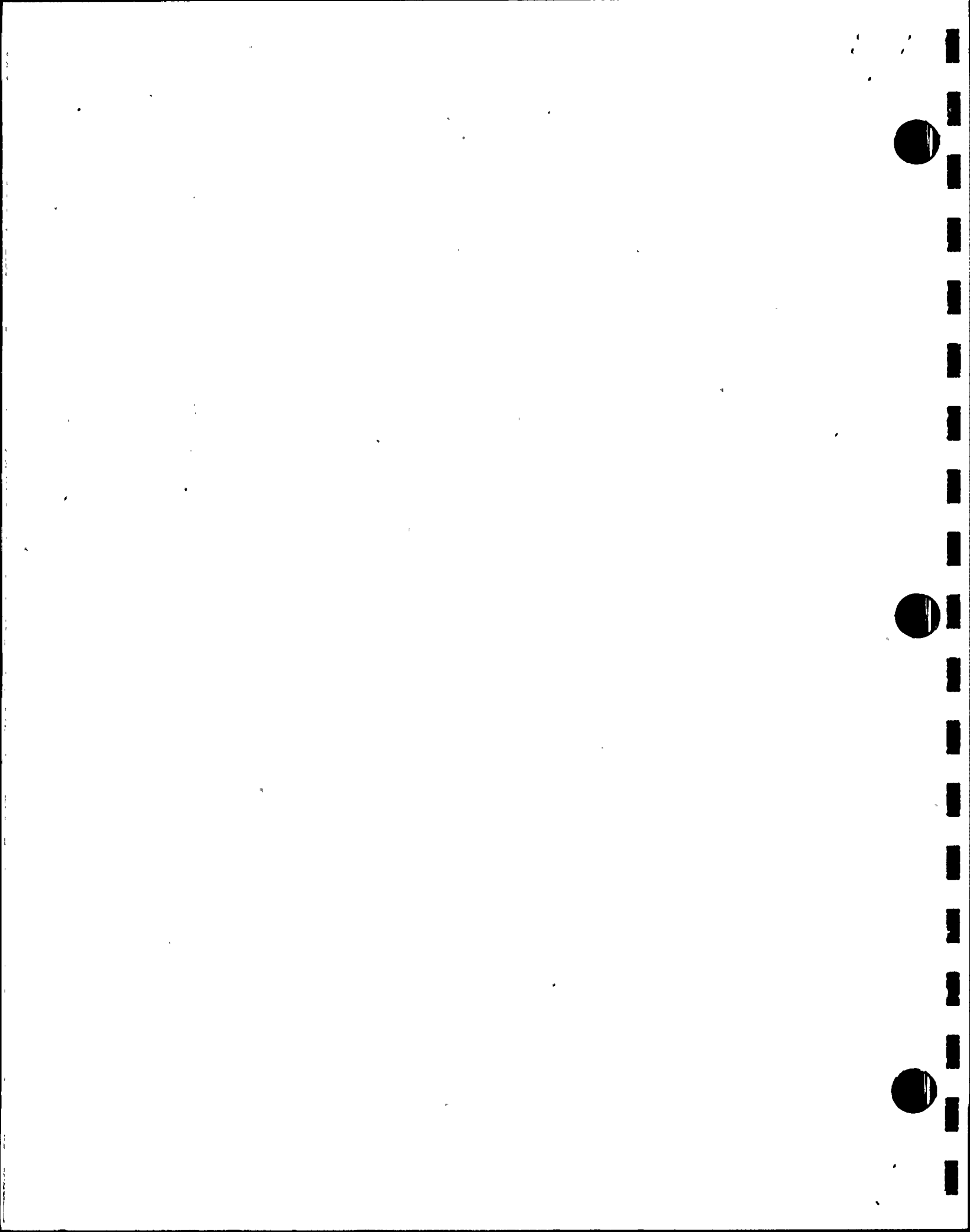
LOCATION: UNIT 2, SPRAY PONDS

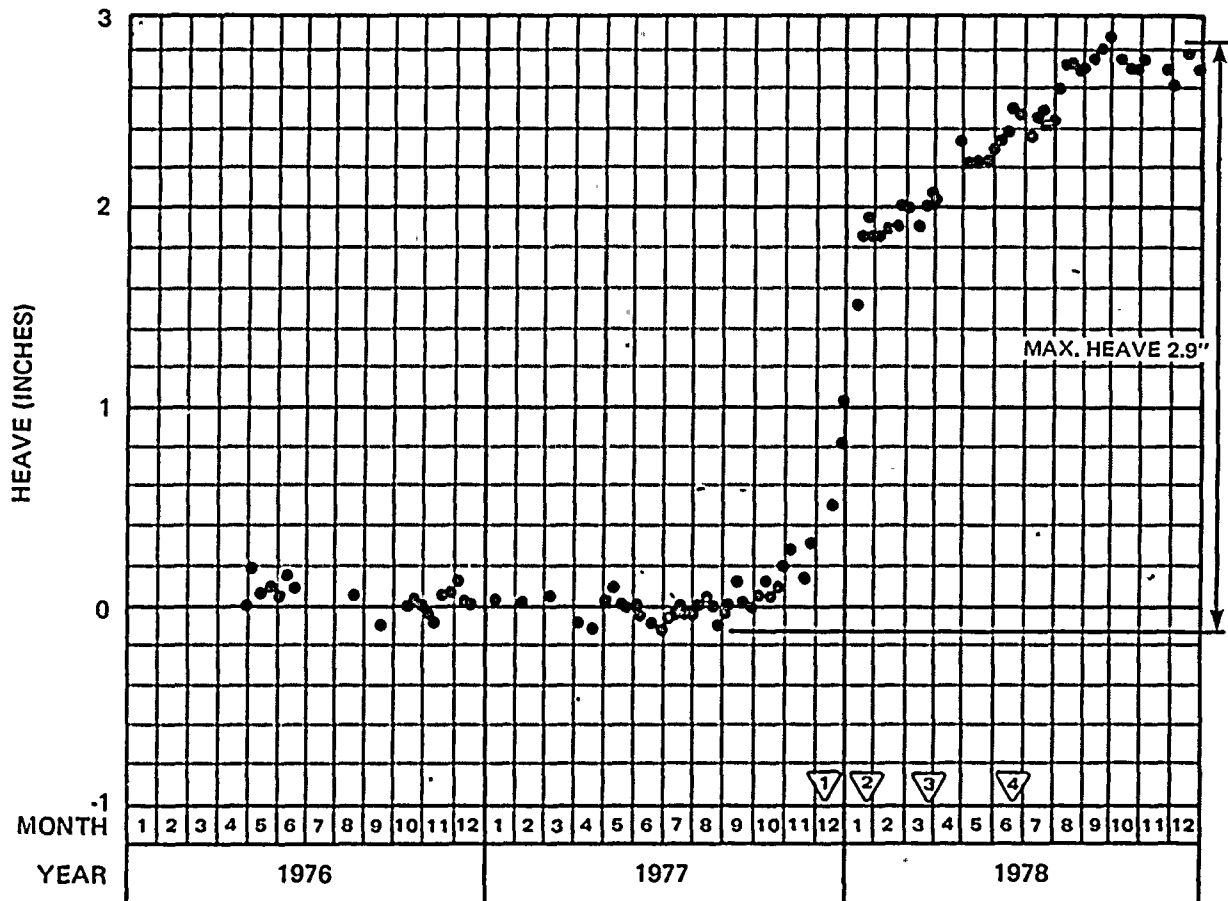
COORDINATES: N 869 267, E 210 475

TOP OF ANCHOR ELEVATION: 938 FT. MSL

TOP OF ANCHOR DEPTH: 16 FT. BELOW FINISH GRADE

	Palo Verde Nuclear Generating Station FSAR
	GROUND DEFLECTION RECORD MRA-12 FIGURE 20





CONSTRUCTION MILESTONES


- 1 EXCAVATION STARTED 12-19-77
- 2 EXCAVATION STOPPED AT ELEV. 913' FOR DEWATERING 2-1-78
- 3 EXCAVATION DEEPEMED TO ELEV. 904' 4-5-78
- 4 EXCAVATION COMPLETED 7-1-78

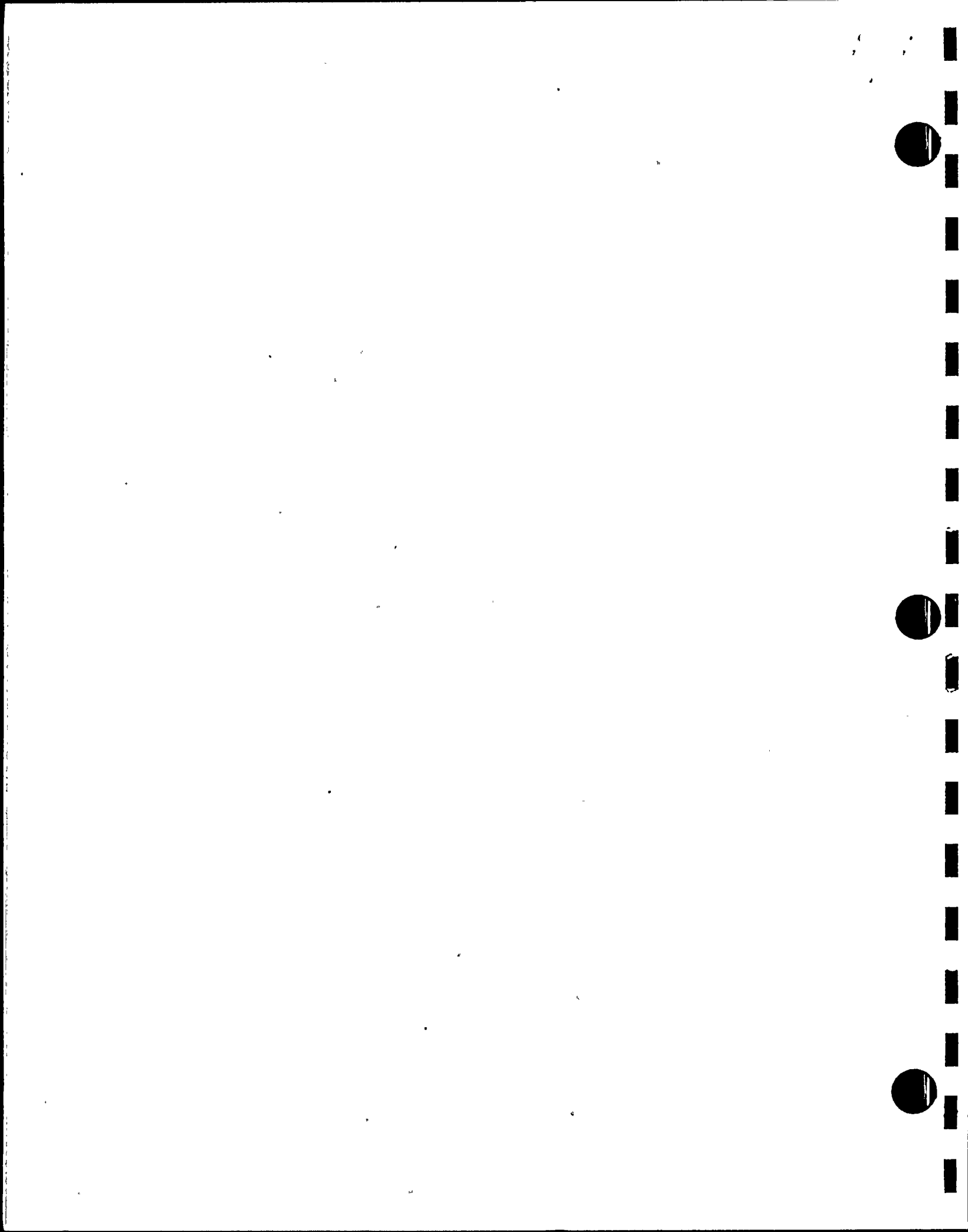
LOCATION: UNIT 3, NEAR CENTER OF CONTAINMENT BUILDING

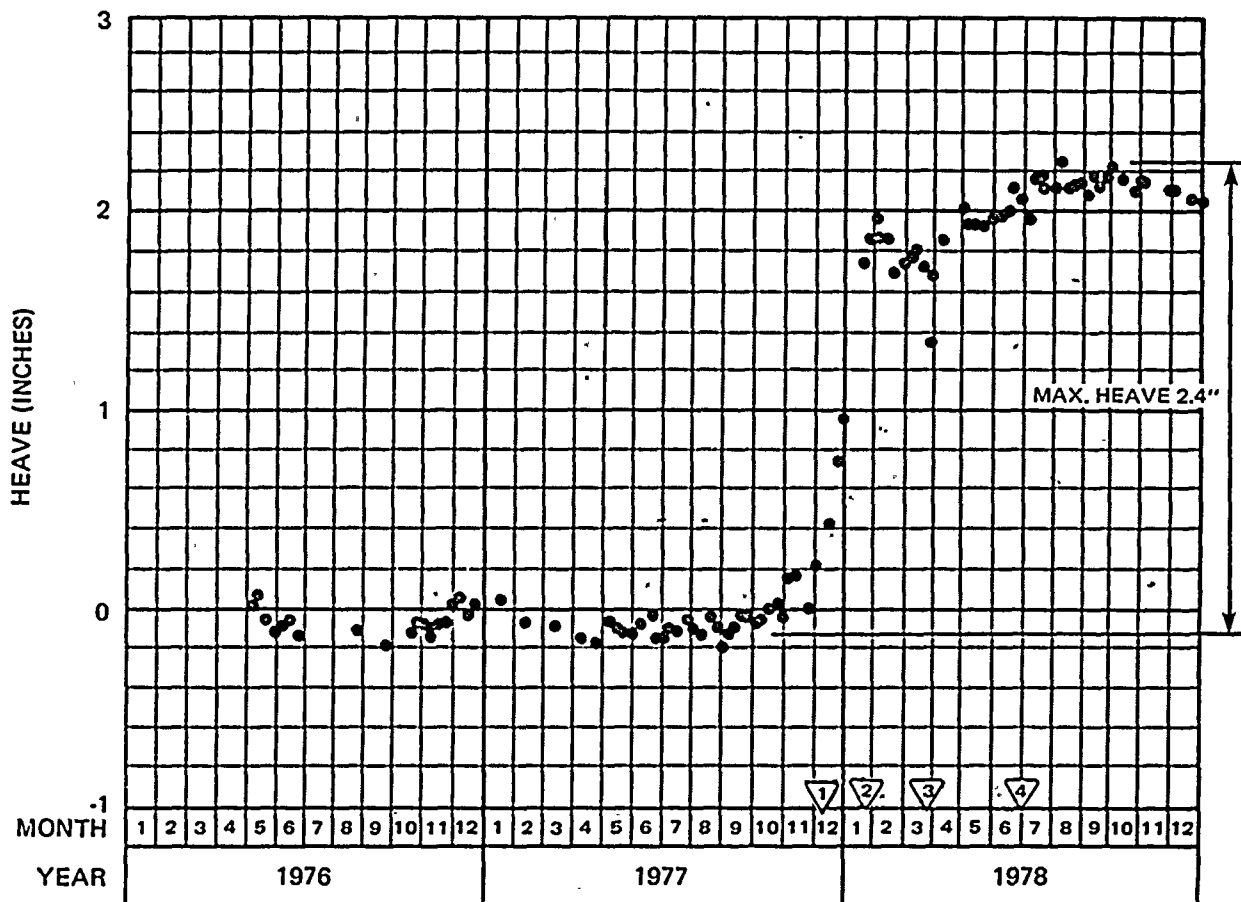
COORDINATES: N 868 579, E 210 251

TOP OF ANCHOR ELEVATION: 897 FT. MSL

TOP OF ANCHOR DEPTH: 54 FT. BELOW FINISH GRADE

	Palo Verde Nuclear Generating Station FSAR
	GROUND DEFLECTION RECORD MRA-13 FIGURE 21





CONSTRUCTION MILESTONES

- 1 EXCAVATION STARTED 12-19-77
- 2 EXCAVATION STOPPED AT ELEV. 913' FOR DEWATERING 2-1-78
- 3 EXCAVATION DEEPEMED TO ELEV. 904' 4-5-78
- 4 EXCAVATION COMPLETED 7-1-78

LOCATION: UNIT 3, BETWEEN CONTAINMENT AND TURBINE BUILDINGS

COORDINATES: N 868 687, E 210 270

TOP OF ANCHOR ELEVATION: 897 FT. MSL

TOP OF ANCHOR DEPTH: 54' FT. BELOW FINISH GRADE

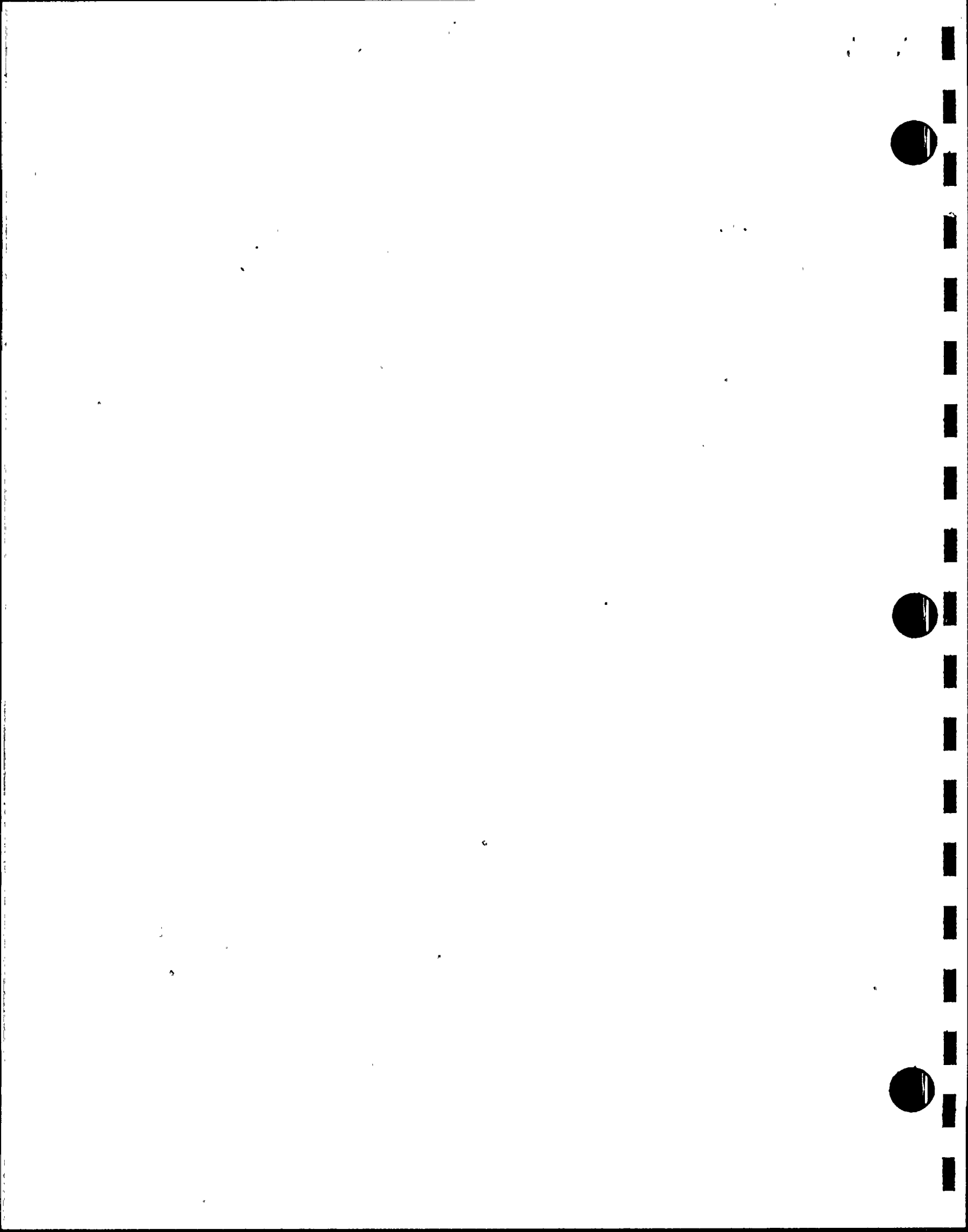


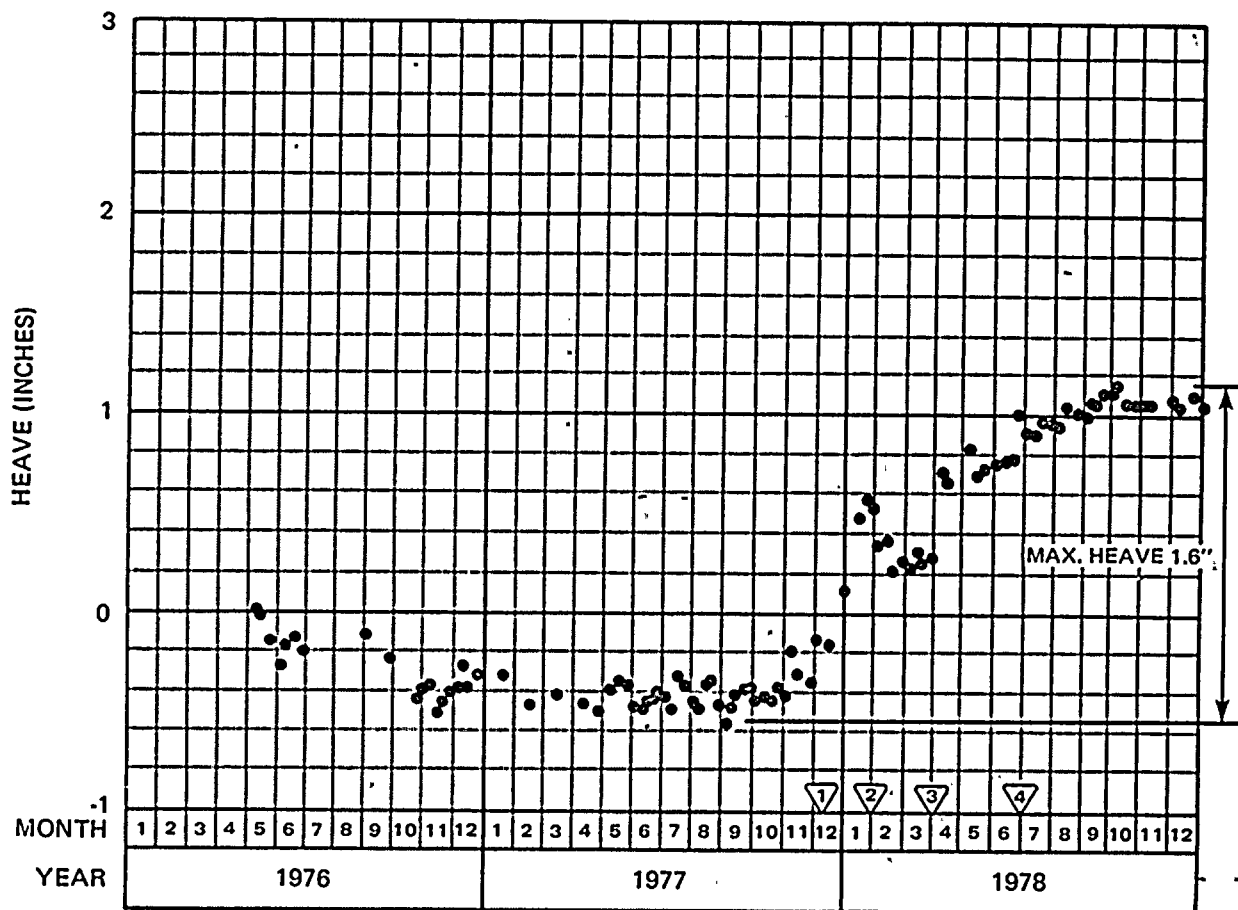
Palo Verde Nuclear Generating Station
FSAR

GROUND DEFLECTION RECORD

MRA-14

FIGURE 22





CONSTRUCTION MILESTONES

- 1 EXCAVATION STARTED 12-19-77
- 2 EXCAVATION STOPPED AT ELEV. 913' FOR DEWATERING 2-1-78
- 3 EXCAVATION DEEPEMED TO ELEV. 904' 4-5-78
- 4 EXCAVATION COMPLETED 7-1-78

LOCATION: UNIT 3, NORTH SIDE OF AUXILIARY BUILDING

COORDINATES: N 868 655, E 210 397

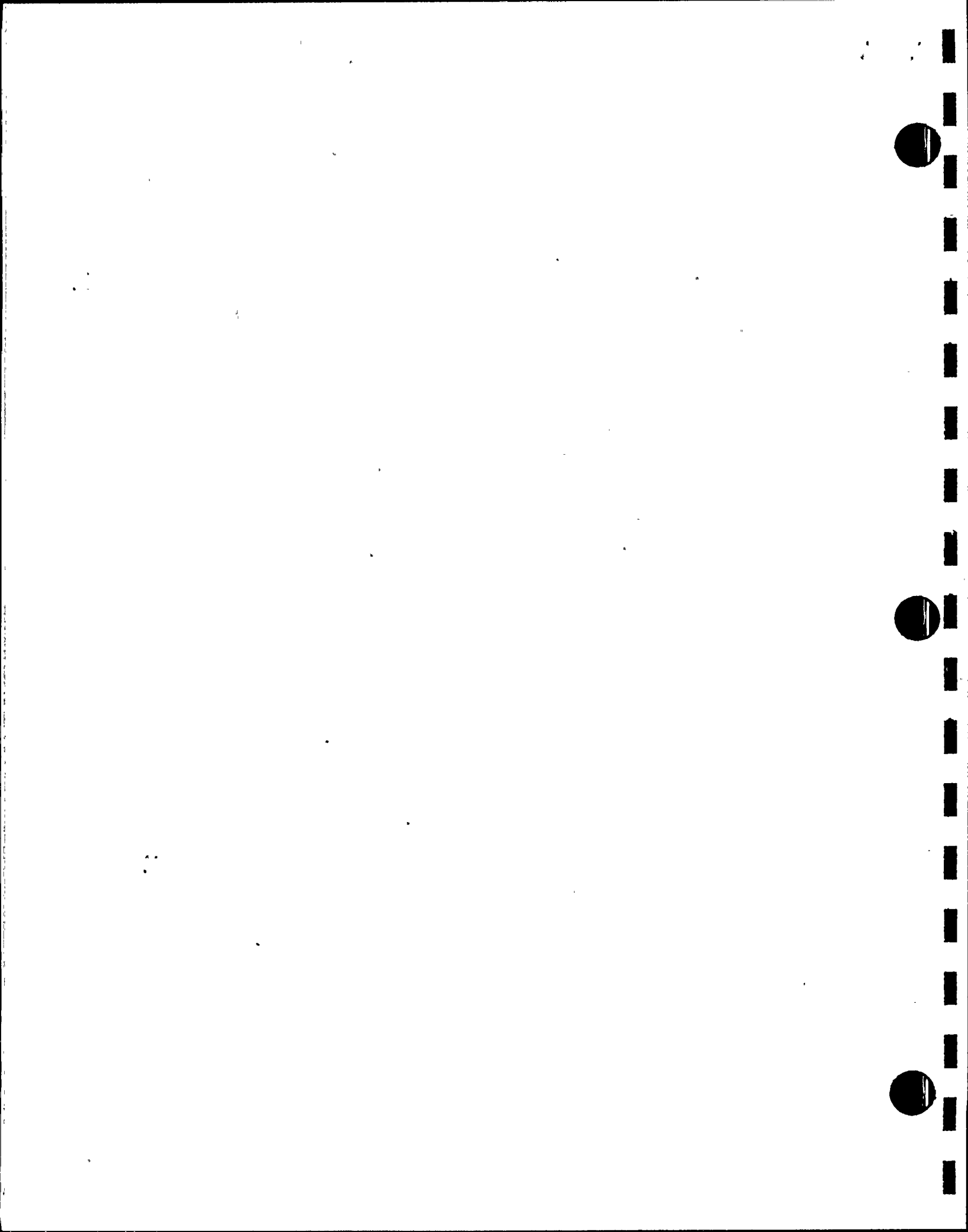
TOP OF ANCHOR ELEVATION: 881 FT. MSL

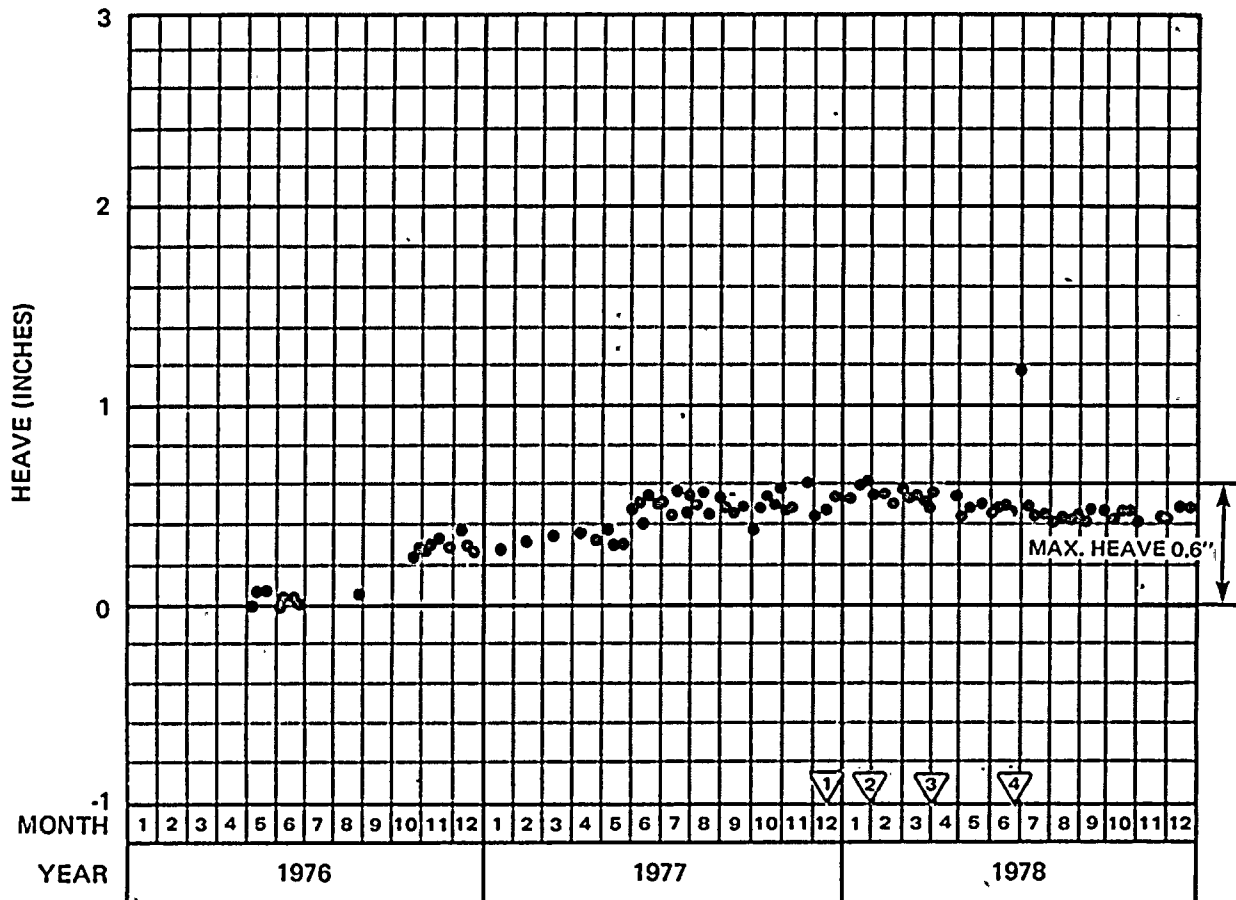
TOP OF ANCHOR DEPTH: 70 FT. BELOW FINISH GRADE



Palo Verde Nuclear Generating Station
FSAR

GROUND DEFLECTION RECORD
MRA-15
FIGURE 23





CONSTRUCTION MILESTONES


- ① EXCAVATION STARTED 12-19-77
- ② EXCAVATION STOPPED AT ELEV. 913' FOR DEWATERING 2-1-78
- ③ EXCAVATION DEEPEINED TO ELEV. 904' 4-5-78
- ④ EXCAVATION COMPLETED 7-1-78

LOCATION: UNIT 3, TURBINE BUILDING

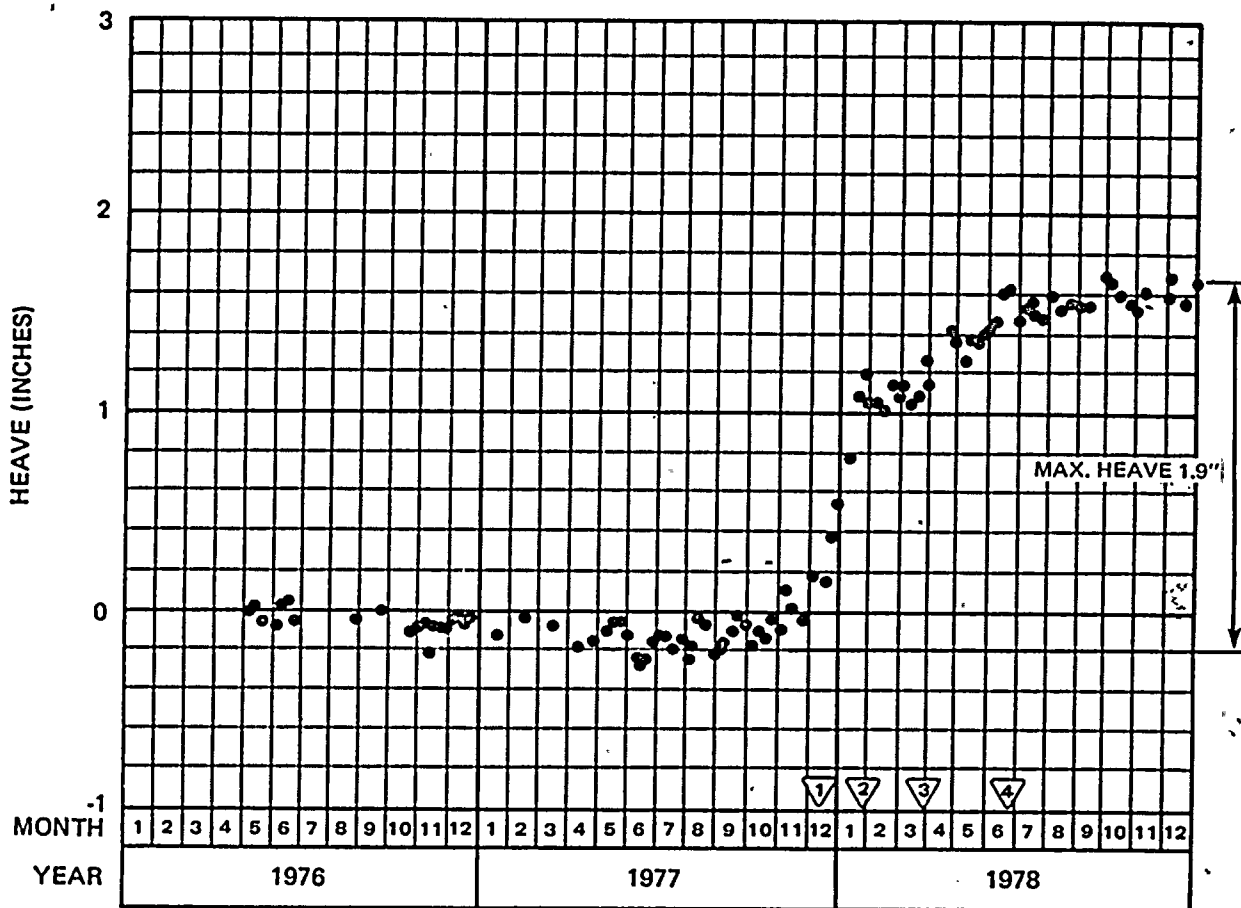
COORDINATES: N 868 912, E 210 320

TOP OF ANCHOR ELEVATION: 932 FT. MSL

TOP OF ANCHOR DEPTH: 19 FT. BELOW FINISH GRADE

	Palo Verde Nuclear Generating Station FSAR
	GROUND DEFLECTION RECORD MRA-16A FIGURE 24





CONSTRUCTION MILESTONES

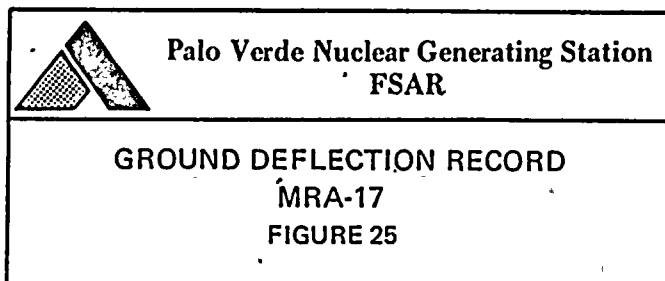
- 1 EXCAVATION STARTED 12-19-77
- 2 EXCAVATION STOPPED AT ELEV. 913' FOR DEWATERING 2-1-78
- 3 EXCAVATION DEEPEINED TO ELEV. 904' 4-5-78
- 4 EXCAVATION COMPLETED 7-1-78

LOCATION: UNIT 3, BETWEEN FUEL AND RADWASTE BUILDINGS

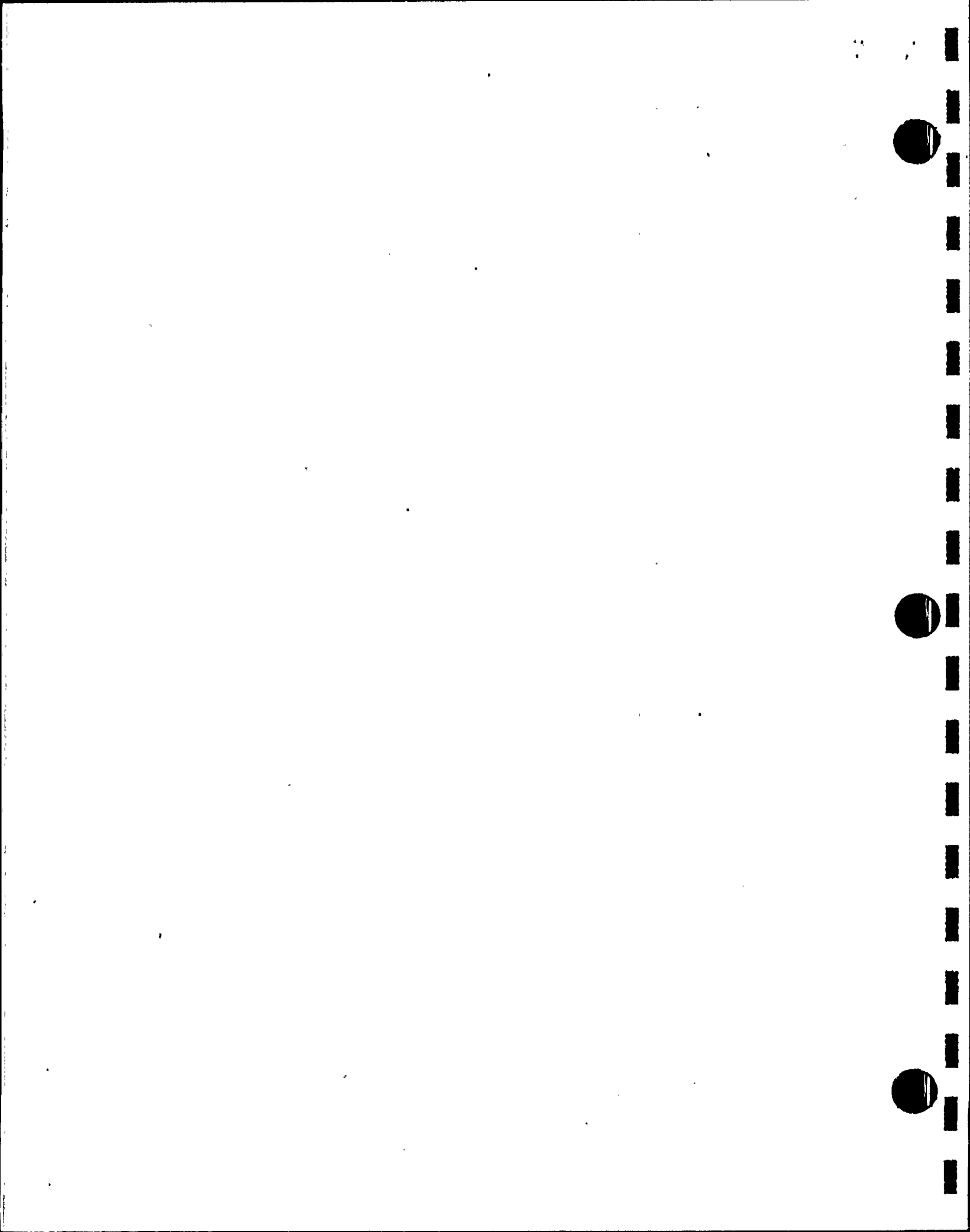
COORDINATES: N 868 406, E 210 312

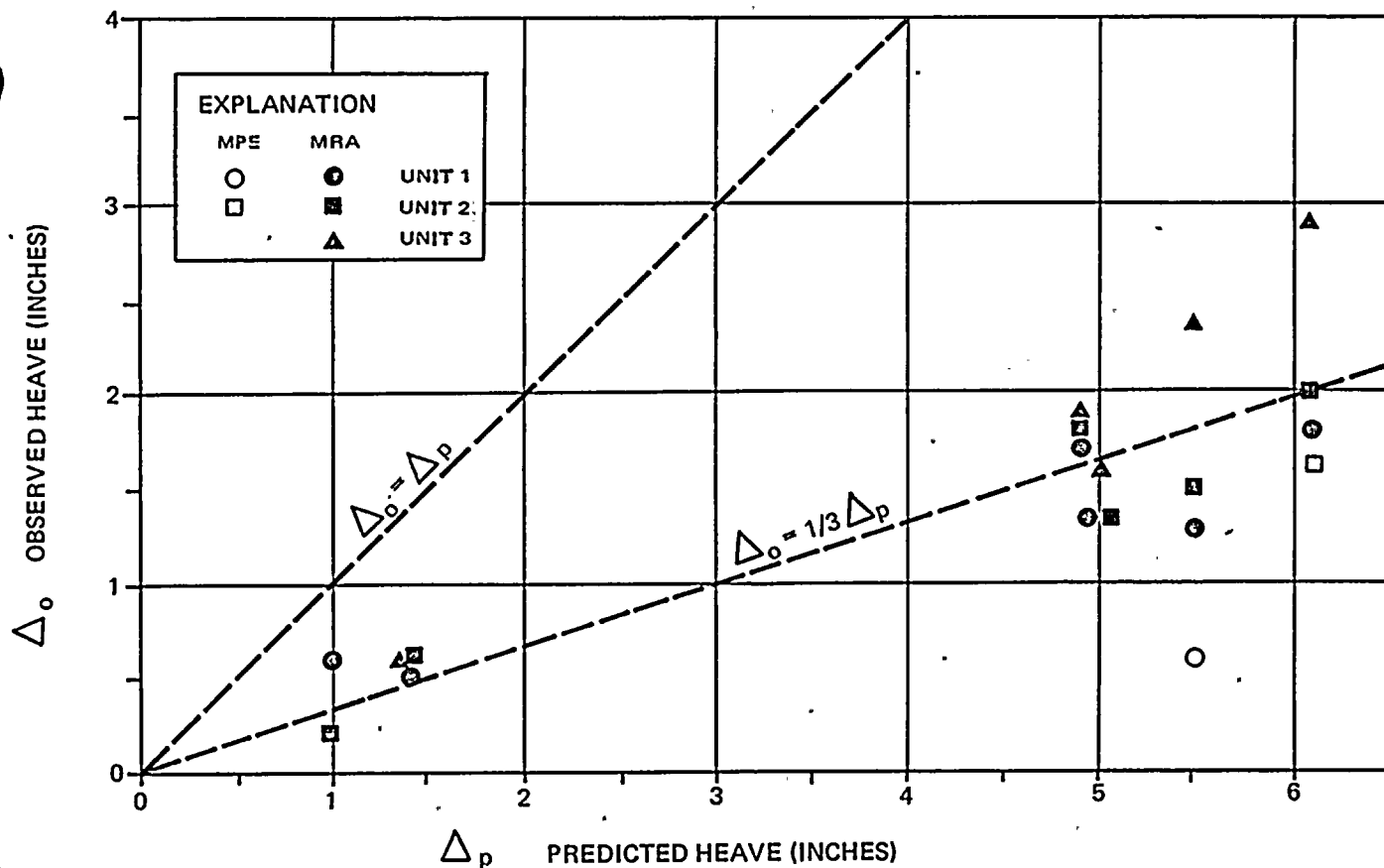
TOP OF ANCHOR ELEVATION: 886 FT. MSL

TOP OF ANCHOR DEPTH: 65 FT. BELOW FINISH GRADE









LOCATION	Δ_p	UNIT 1		UNIT 2		UNIT 3	
		STATION	Δ_o	STATION	Δ_o	STATION	Δ_o
CENTER OF CONTAINMENT BLDG.	6.1	MPE-1	•	MPE-4	1.6	MPE-5	•
		MRA-1	1.8	MRA-7	2.0	MRA-13	2.9
BETWEEN CONTAINMENT AND TURBINE BLDGS.	5.5	MPE-2	0.6				
		MRA-2	1.3	MRA-8	1.5	MRA-14	2.4
EDGE OF AUXILIARY BUILDING	5.0	MRA-3	1.3	MRA-9	1.3	MRA-15	1.6
TURBINE BUILDING	1.4	MRA-4	0.5	MRA-10	0.6	MRA-16	0.6
BETWEEN FUEL AND RADWASTE BLDGS	4.9	MRA-5	1.7	MRA-11	1.8	MRA-17	1.9
SPRAY POND	1.0	MRA-6	0.6	MRA-12	0.2	MRA-18	•

• RELIABLE MEASUREMENTS NOT AVAILABLE



Palo Verde Nuclear Generating Station
FSAR

OBSERVED VERSUS PREDICTED HEAVE

FIGURE 27



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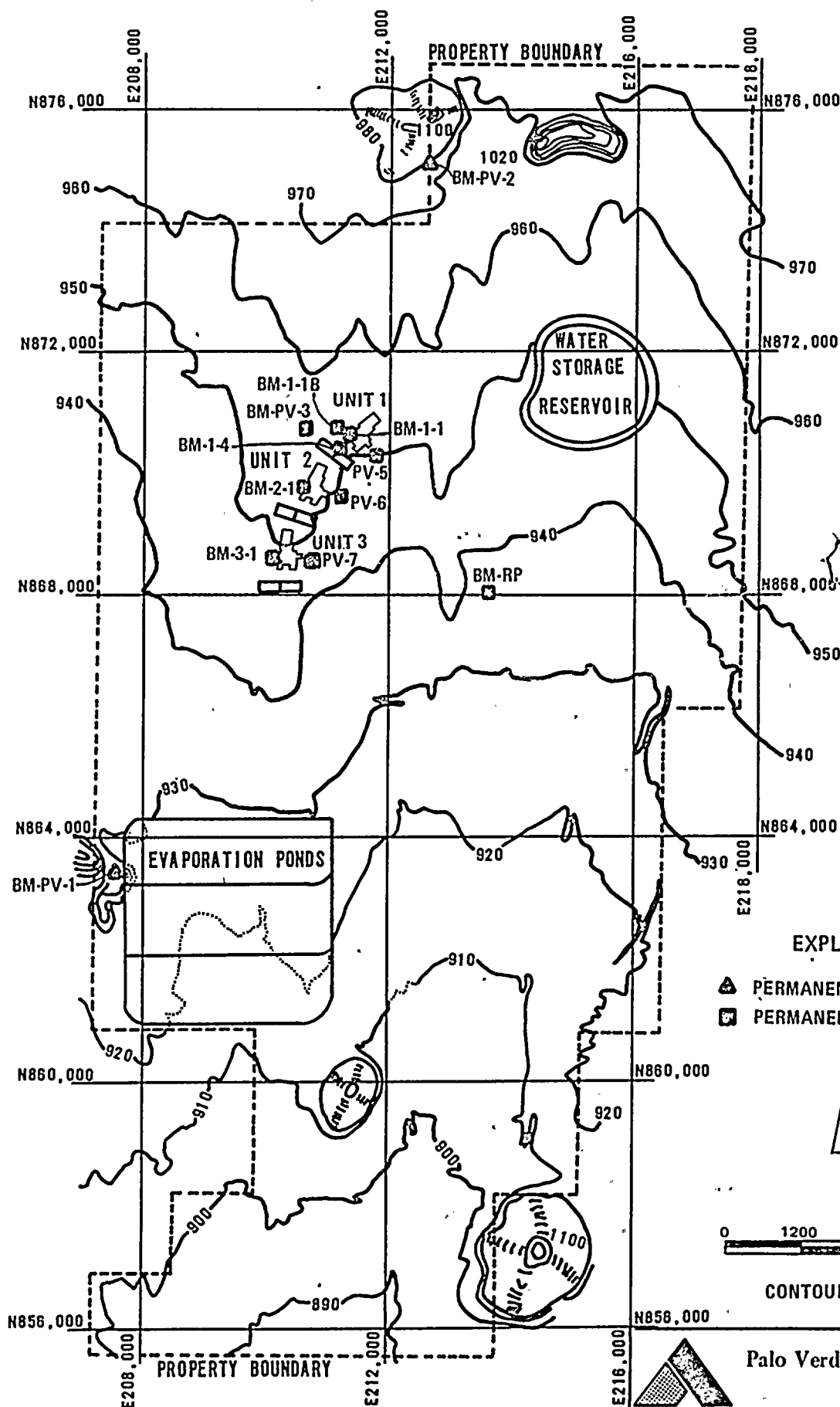
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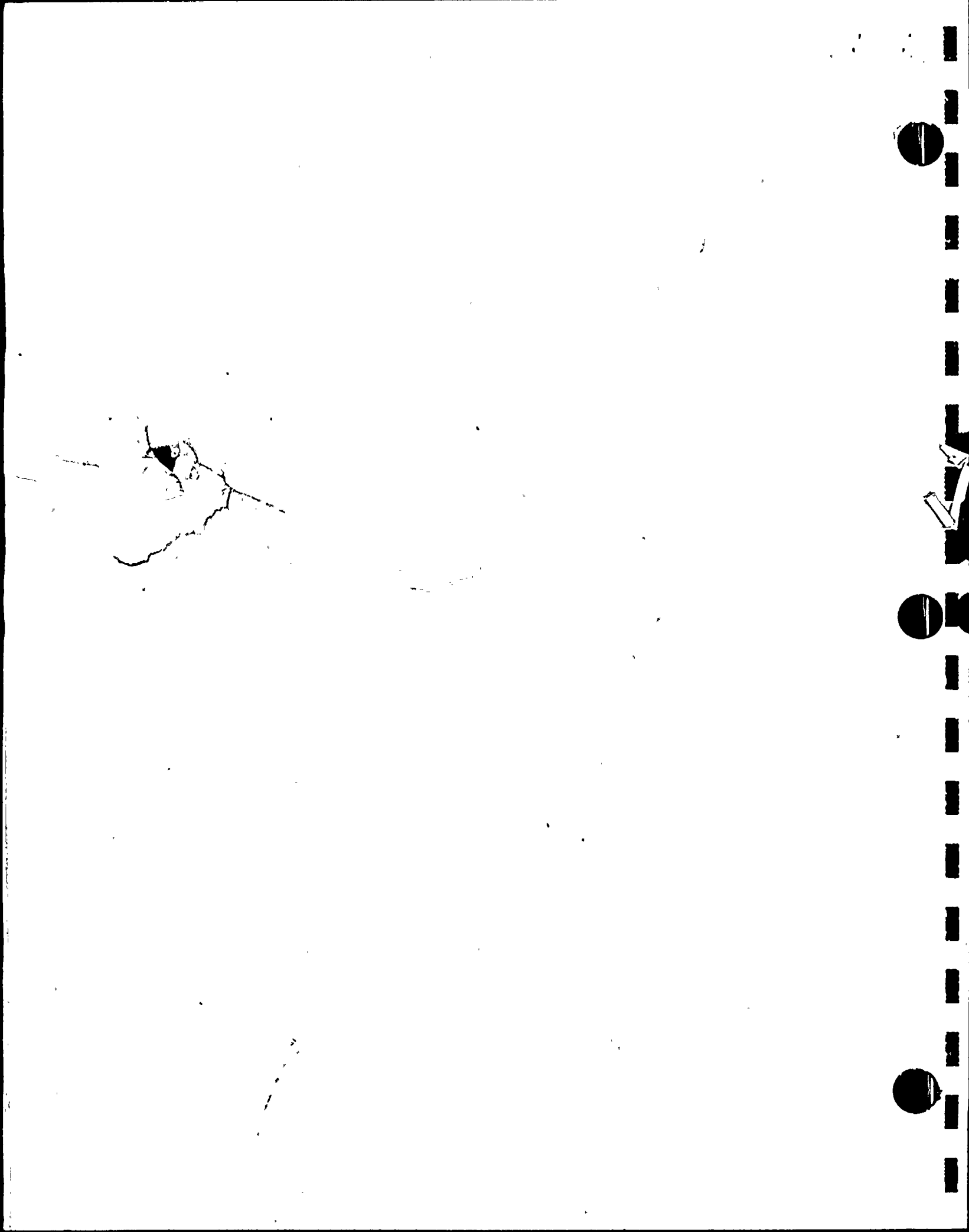
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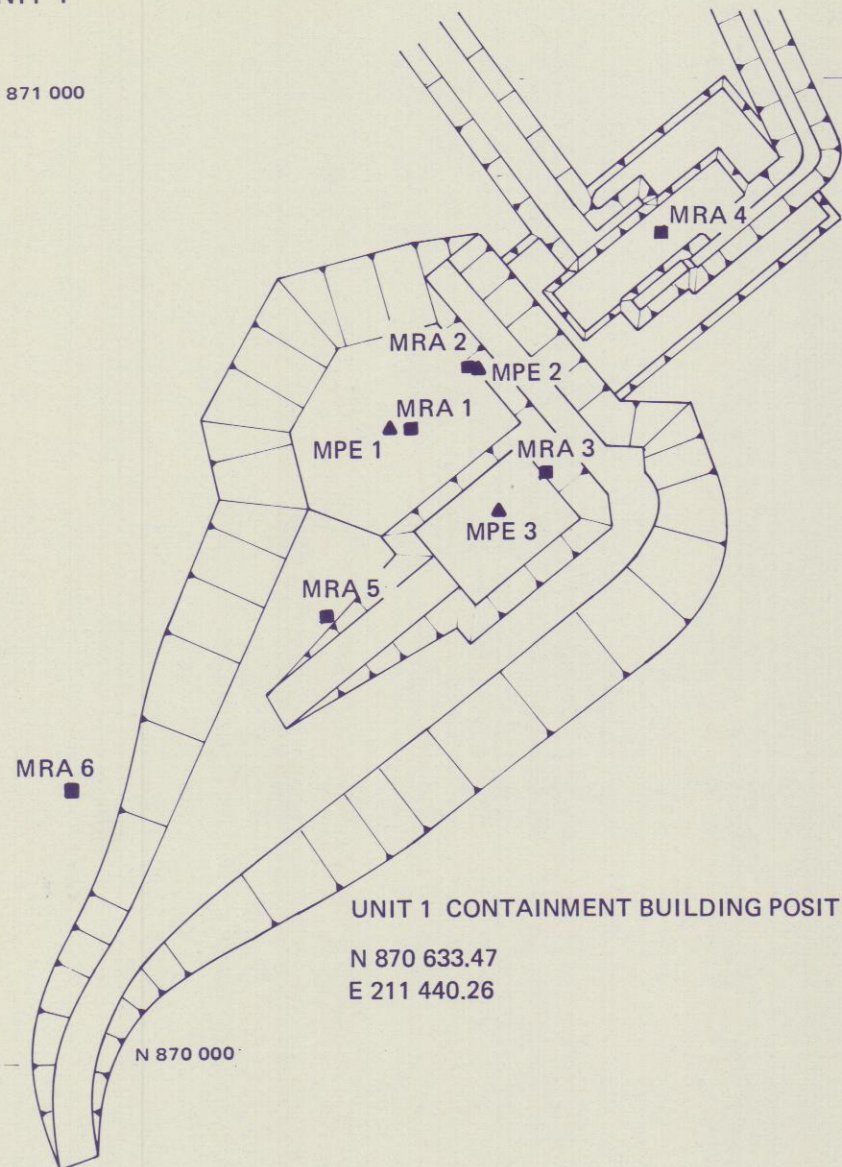
**SUBSIDENCE MONITORING
 NETWORK BENCHMARK LOCATION
 Figure 60**



UNIT 1

N 871 000

E 211 000



UNIT 1 CONTAINMENT BUILDING POSITION:

N 870 633.47
E 211 440.26

COORDINATES			
MPE 1	N 870 630.09 E 211 426.01	MRA 1	N 870 637.58 E 211 438.15
MPE 2	N 870 690.44 E 211 508.77	MRA 2	N 870 696.21 E 211 504.53
MPE 3	N 870 551.17 E 211 528.37	MRA 3	N 870 592.35 E 211 578.82
		MRA 4	N 870 839.11 E 211 684.98
		MRA 5	N 870 456.20 E 211 353.28
		MRA 6	N 870 277.36 E 211 099.44

UNIT 2

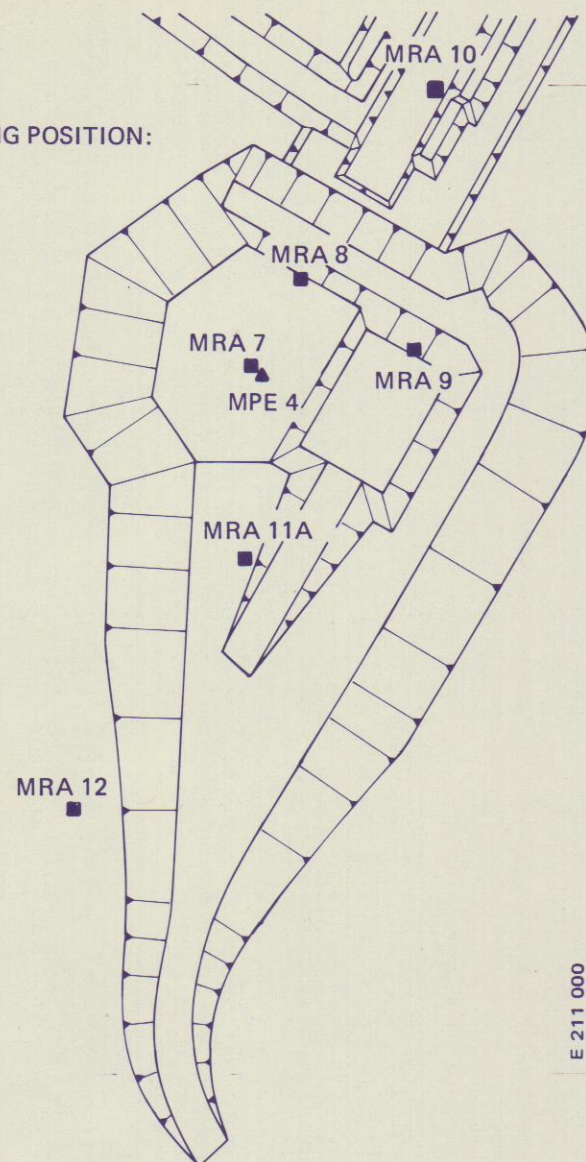
N 870 000

UNIT 2 CONTAINMENT BUILDING POSITION:

N 869 718.88
E 210 672.82

E 210 000

N 869 000

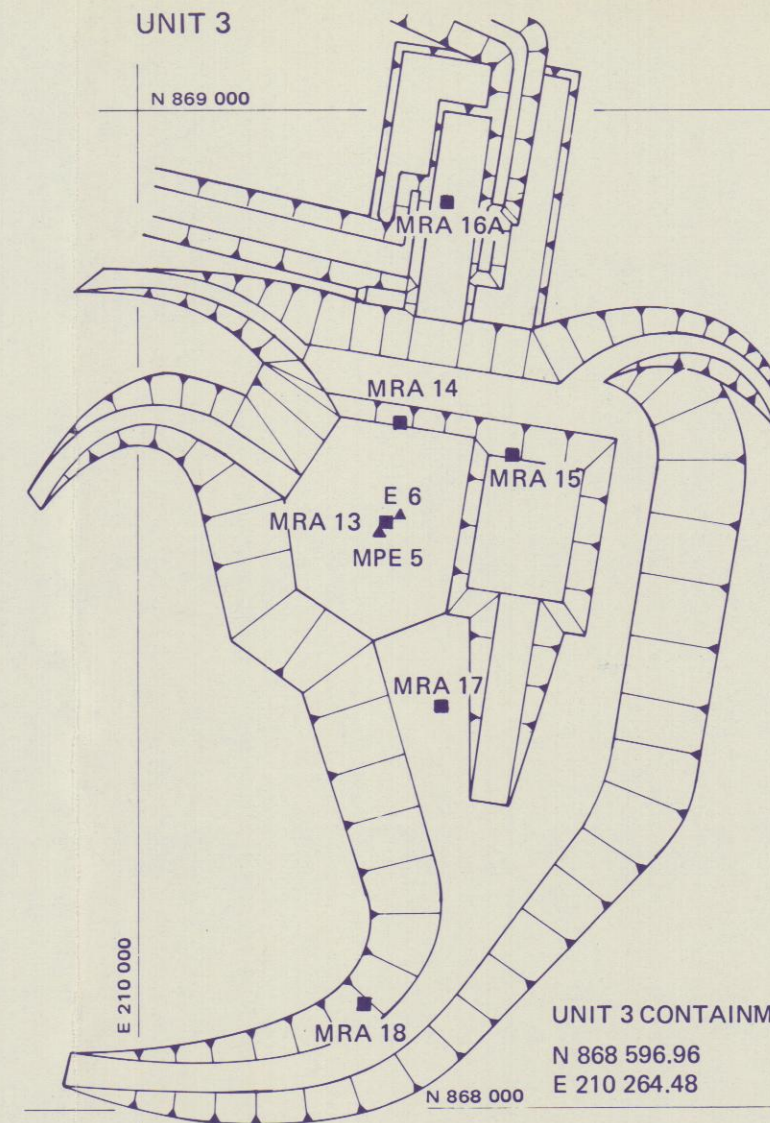


COORDINATES			
MPE 4	N 869 710.03 E 210 880.51	MRA 7	N 869 706.80 E 210 653.71
		MRA 8	N 869 802.36 E 210 709.37
		MRA 9	N 869 728.54 E 210 817.01
		MRA 10	N 869 996.11 E 210 833.08
		MRA 11A	N 869 522.58 E 210 651.71
		MRA 12	N 869 266.91 E 210 475.34

UNIT 3

N 869 000

E 210 000



UNIT 3 CONTAINMENT BUILDING POSITION:

N 868 596.96
E 210 264.48

COORDINATES			
MPE 5	N 868 583.86 E 210 255.83	MRA 13	N 868 578.55 E 210 251.13
E 6	N 868 596.61 E 210 275.72	MRA 14	N 868 687.13 E 210 270.41
		MRA 15	N 868 654.92 E 210 396.75
		MRA 16A	N 868 912.27 E 210 319.79
		MRA 17	N 868 405.50 E 210 311.82
		MRA 18	N 868 104.87 E 210 234.03

- ▲ MPE E EXTENSOMETER
- MRA MECHANICAL REBOUND ANCHOR

NOTE: COORDINATES ARE BASED ON ARIZONA STATE PLANE COORDINATE SYSTEM



TERA
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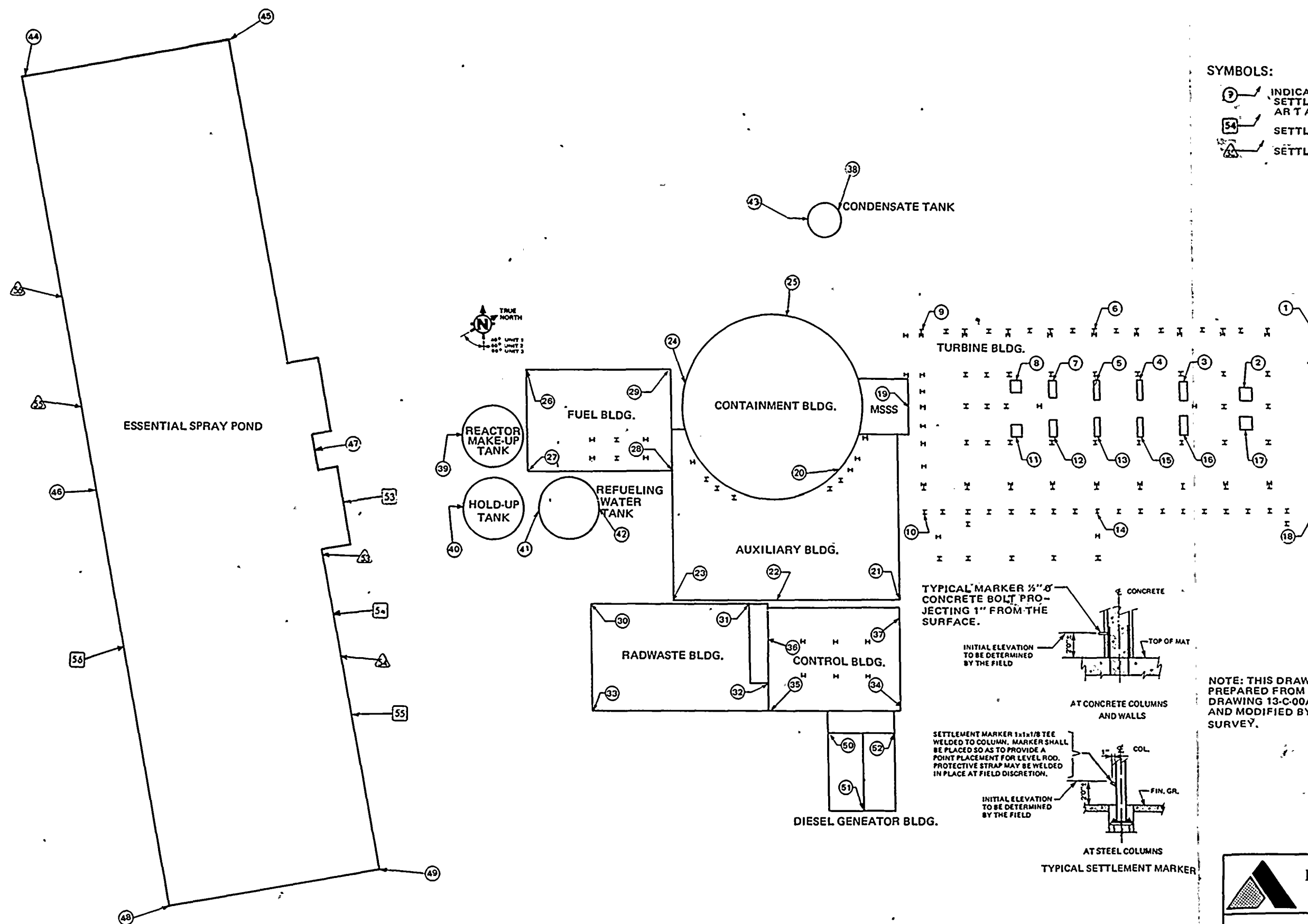
8205190146 - 261

Palo Verde Nuclear Generating Station
FSAR

HEAVE/SETTLEMENT MONITORING LOCATIONS

FIGURE 1

8112230534-01



SYMBOLS:

- ① INDICATES NUMBER AND APPROXIMATE LOCATION OF SETTLEMENT OBSERVATION MARKERS ON STRUCTURES AT ALL THREE POWERBLOCK UNITS.
- 54 SETTLEMENT MARKER LOCATION, UNIT 1 and 2 ONLY.
- 55 SETTLEMENT MARKER LOCATION, UNIT 3 ONLY.

NOTE: THIS DRAWING PREPARED FROM BECHTEL DRAWING 13-C-00A-030, AND MODIFIED BY BECHTEL SURVEY.

TERA
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Palo Verde Nuclear Generating Station
FSAR

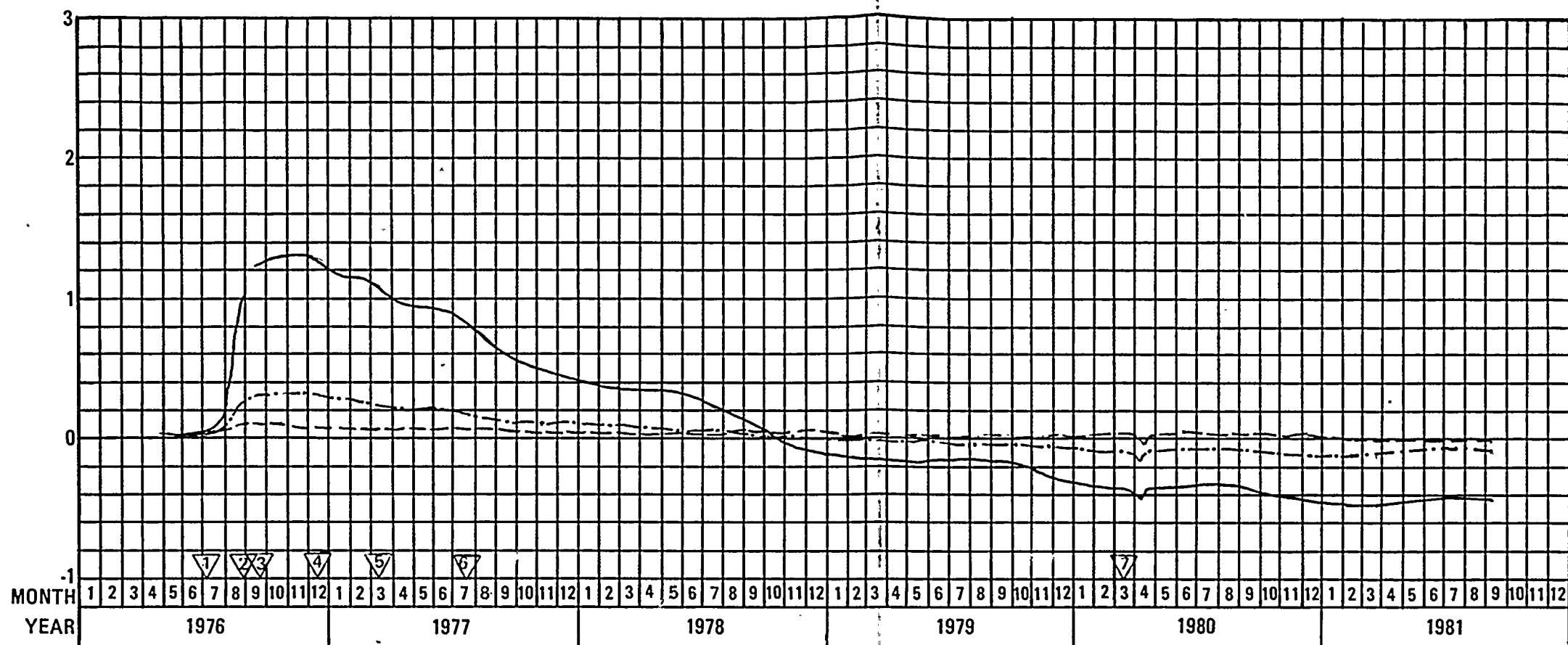
SETTLEMENT MARKER LOCATION PLAN

FIGURE 2

8112230534-02

AMT
EXHIBIT
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COMPILED BY Computer 1 DRAWN BY J. Williams 5/81 CHECKED BY S. Harris 5-81 APPROVED BY [Signature] REVISED BY [Signature]



CONSTRUCTION MILESTONES

- 1 EXCAVATION STARTED 7-2-76
- 2 EXCAVATION COMPLETED 8-30-76
- 3 FORMING AND CONCRETE POURING BEGUN 9-76
- 4 REACTOR PIT COMPLETED 12-17-76

- 5 TENDON GALLERY SLAB COMPLETED 3-4-77
- 6 BASE MAT AND BACKFILL TO TOP OF BASEMENT COMPLETED 7-29-77
- 7 INTERIOR CONCRETE COMPLETE 3-80

LOCATION: UNIT 1 NEAR CENTER OF CONTAINMENT BUILDING

COORDINATES: N870,630 E211,426

SENSOR NUMBER	ELEVATION (FT. MSL)	DEPTH (FT)
— 6	902	55
--- 8	823	134
--- 7	728	229
ANCHOR	611	346

REMARKS

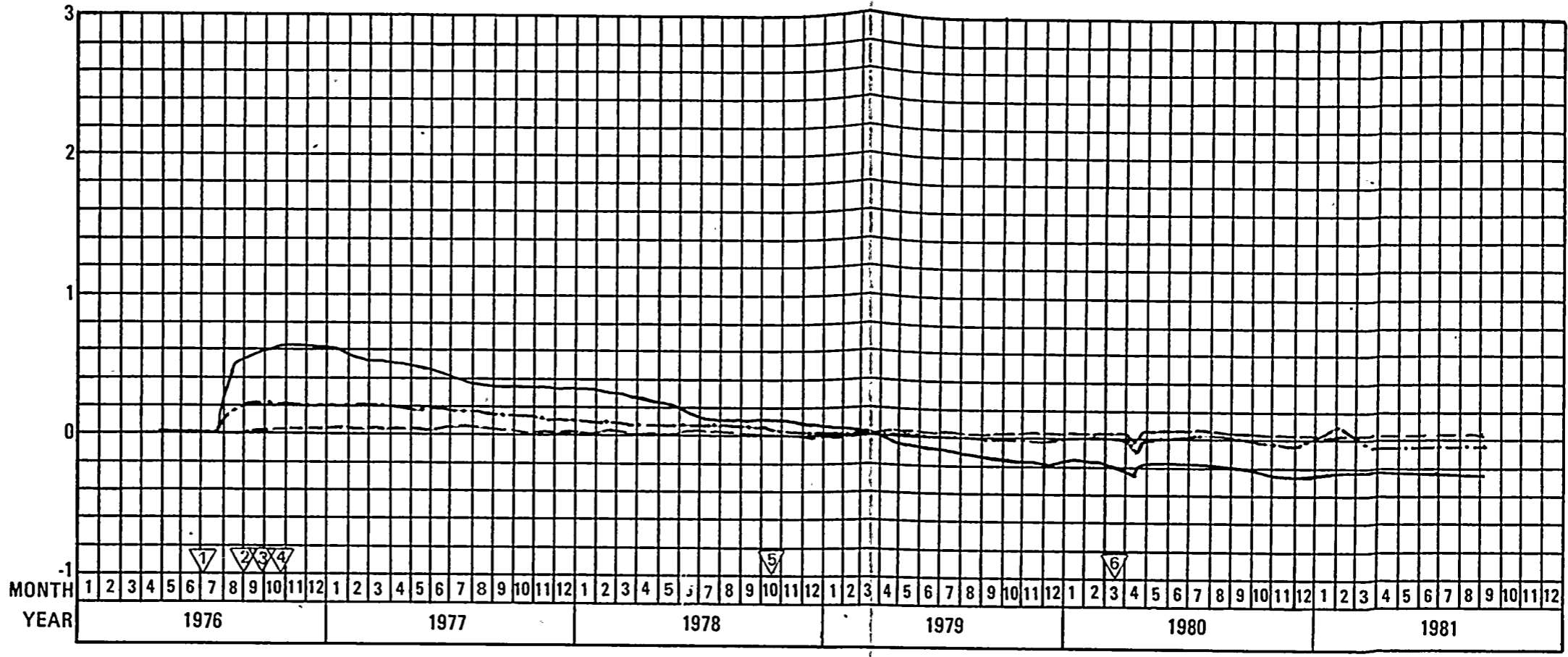
SENSOR NO. 6 WAS EXPOSED BY EXCAVATION FOR THE CONTAINMENT CONSTRUCTION KEY 8-28-76, AND WAS RESET ON 9-8-76 AT A DEPTH OF 56 FEET BELOW FINISH GRADE.

TERA
APERTURE
CARD

	Palo Verde Nuclear Generating Station FSAR
	GROUND DEFLECTION RECORD MPE-1 Figure 3 Project Number 76 056-10

8112230534-02

COMPILED BY 1 CHECKED BY L. H. Williams, S/E 5-8-80 APPROVED BY 1
 DRAWN BY 1 REVISED BY 1



CONSTRUCTION MILESTONES

- ▽1 EXCAVATION STARTED 7-2-76
- ▽2 EXCAVATION COMPLETED 8-30-76
- ▽3 CONTAINMENT FORMING AND CONCRETE POURING BEGUN 9-76
- ▽4 REINFORCED EARTH WALL COMPLETED 10-18-76


- ▽5 MAIN STEAM SUPPORT STRUCTURE (MSSS) FORMING AND POURING BEGUN 10-78
- ▽6 CONTAINMENT INTERIOR CONCRETE COMPLETE 3-80

LOCATION: UNIT 1, BETWEEN CONAINMENT AND TURBINE BUILDING

COORDINATES: N870,690 E211,509

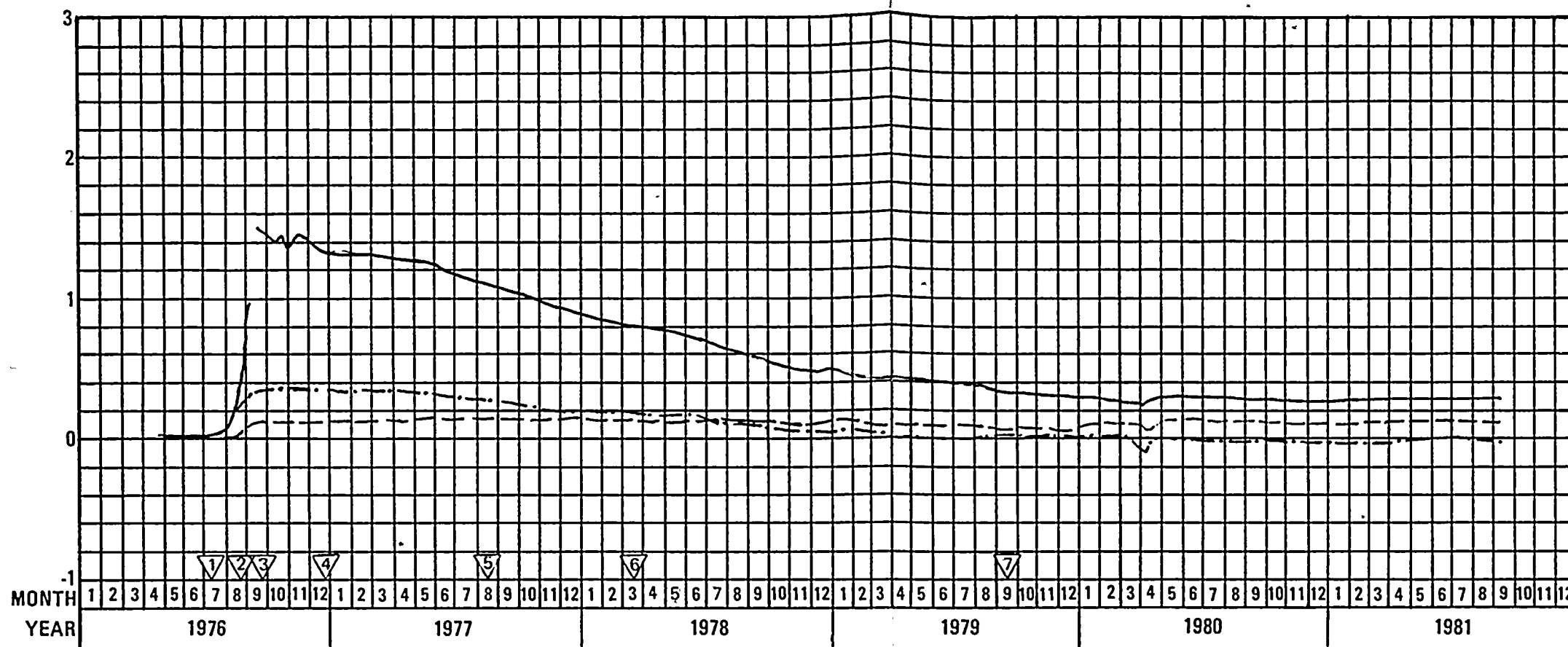
SENSOR NUMBER	ELEVATION (FT. MSL)	DEPTH (FT)
— 12	900	57
- - - 11	821	136
- · - 10	731	226
ANCHOR	600	357

TERA
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 Palo Verde Nuclear Generating Station PSAR

8112230534-04

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CONSTRUCTION MILESTONES

- ▽1 EXCAVATION STARTED 7-2-76
- ▽2 EXCAVATION COMPLETED 8-30-76
- ▽3 FORMING AND POURING BEGUN 9-76
- ▽4 LOWER BASE MAT COMPLETED 11-26-76

- ▽5 UPPER BASE MAT COMPLETED 8-12-77
- ▽6 LOWER BASEMENT WALLS COMPLETE UP TO FINISH GRADE 3-24-78
- ▽7 STRUCTURE ESSENTIALLY COMPLETE 9-79

LOCATION: UNIT1, NEAR CENTER OF AUXILIARY BUILDING


CORRDINATES: N870,551 E211,528

SENSOR NUMBER	ELEVATION (FT. MSL)	DEPTH (FT)
— 3	886	71
- - 2	824	133
- - 1	744	213
ANCHOR	613	344

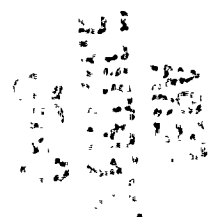
REMARKS

SENSOR NO. 3 WAS EXPOSED BY SUMP PIT EXCAVATION 8-20-76, AND WAS RESET ON 9-8-76 AT A DEPTH OF 72 FEET BELOW FINISH GRADE.

TERA
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CARD

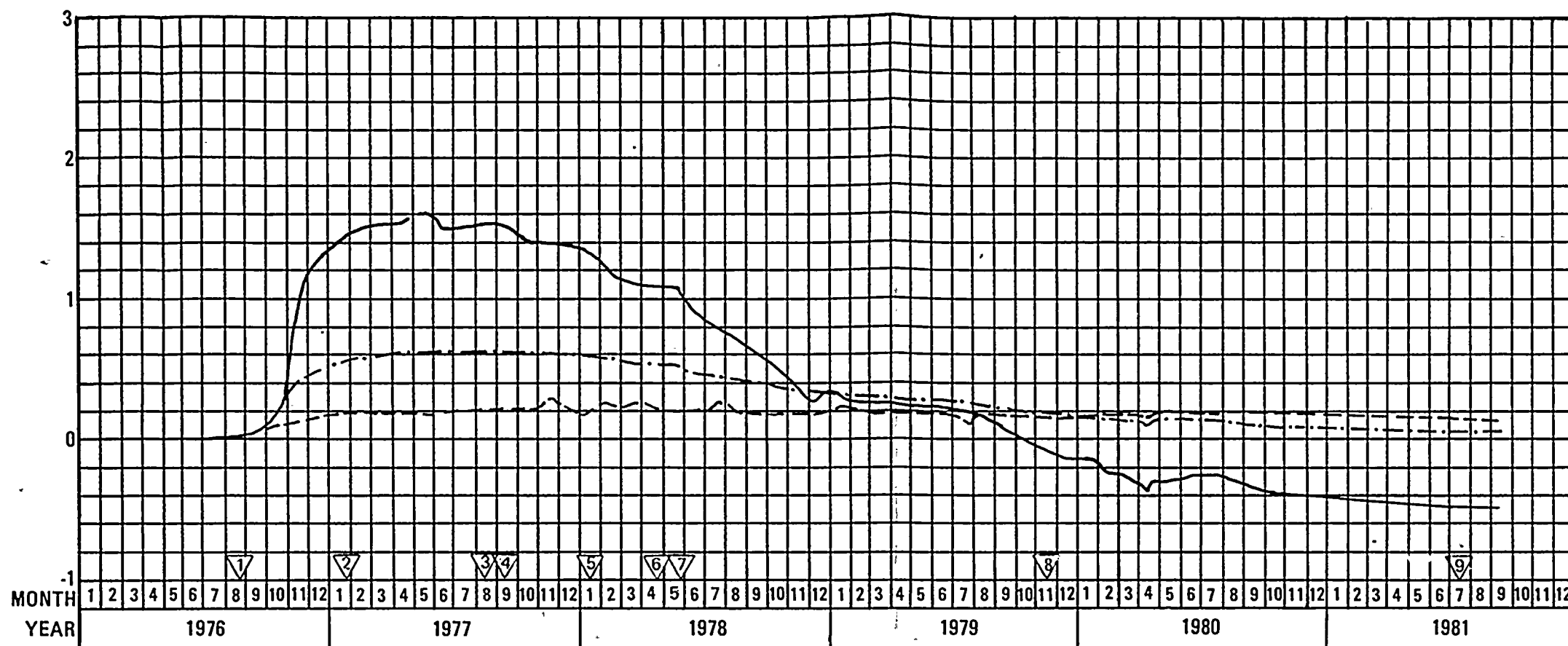
	Palo Verde Nuclear Generating Station FSAR
	GROUND DEFLECTION RECORD MPE-3 Figure 5 Project Number 76 05G 10

8112230534-05



COMPILED BY DR. 194 S. D. Williams, 5/81 CHECKED BY S. Haine, 5/81 APPROVED BY _____

REVISED BY _____



CONSTRUCTION MILESTONES

- ▽1 EXCAVATION STARTED 8-18-76
- ▽2 EXCAVATION COMPLETED 1-30-77
- ▽3 FORMING AND POURING BEGUN 8-77
- ▽4 REACTOR PIT BASE MAT COMPLETED 9-9-77
- ▽5 REACTOR PIT AND TENDON GALLERY WALLS COMPLETED 1-13-78

- ▽6 BASE MAT COMPLETED 4-30-78
- ▽7 BACKFILL COMPLETED TO TOP OF BASE MAT 5-26-78
- ▽8 APPROXIMATELY 75% OF SCHEDULED CONTAINMENT CONCRETE POURED AS OF 11-79
- ▽9 STRUCTURE ESSENTIALLY COMPLETE 7-81

LOCATION: UNIT 2, NEAR CENTER OF CONTAINMENT BUILDING

COORDINATES: N869,710 E210,660

SENSOR NUMBER	ELEVATION (FT. MSL)	DEPTH (FT)
— 15	900	54
- - - 5	825	129
- - - 13	745	209
ANCHOR	624	330

REMARKS

SENSOR NO. 15 WAS EXPOSED IN CONTAINMENT KEY EXCAVATION 4-28-77[±],
AND RESET ON 5-4-77 AT A DEPTH OF 55

TERA
APERTURE
CARD



Palo Verde Nuclear Generating Station
FSAR

GROUND DEFLECTION RECORD

MPE-4

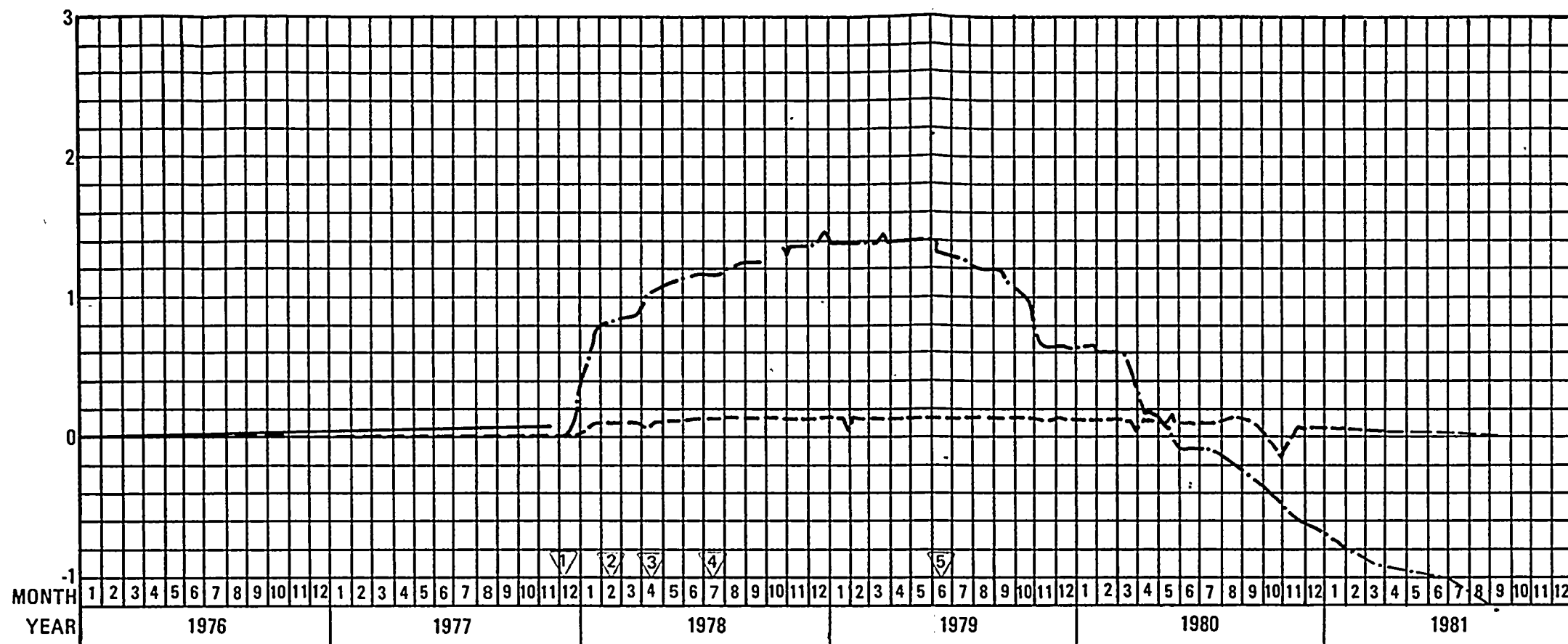
Figure 6

Project Number 76 056-10

8112230534-06

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CHECKED BY _____ APPROVED BY _____
 REVISED BY _____
 DRAWN BY _____
 COMPILED BY _____




CONSTRUCTION MILESTONES

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|---|---|---|---------------------------------|
| 1 | EXCAVATION STARTED 12-19-77 | 4 | EXCAVATION COMPLETED 7-1-78 |
| 2 | EXCAVATION STOPPED AT ELEVATION 913 FOR DEWATERING 2-1-78 | 5 | FORMING AND POURING BEGUN 6-79 |
| 3 | EXCAVATION DEEPEMED TO ELEVATION 904, 4-5-78 | 6 | INTERIOR CONCRETE COMPLETE 2-83 |

LOCATION: UNIT 3, NEAR CENTER OF CONTAINMENT BUILDING
 COORDINATES: N 868 , E 210,256

SENSOR NO.	ELEVATION (FT. MSL)	DEPTH (FT.)	REMARKS
16	895	56	SENSOR NO. 4 BECAME INOPERATIVE BEFORE ANY HEAVE WAS MEASURED. SENSOR NO. 16 WAS DAMAGED DURING CONSTRUCTION. IT WAS RESET AND CAST DIRECTLY INTO CONTAINMENT MAT CONCRETE IN LATE OCTOBER, 1978.
14	820	131	
4	730	221	
ANCHOR	646	306	

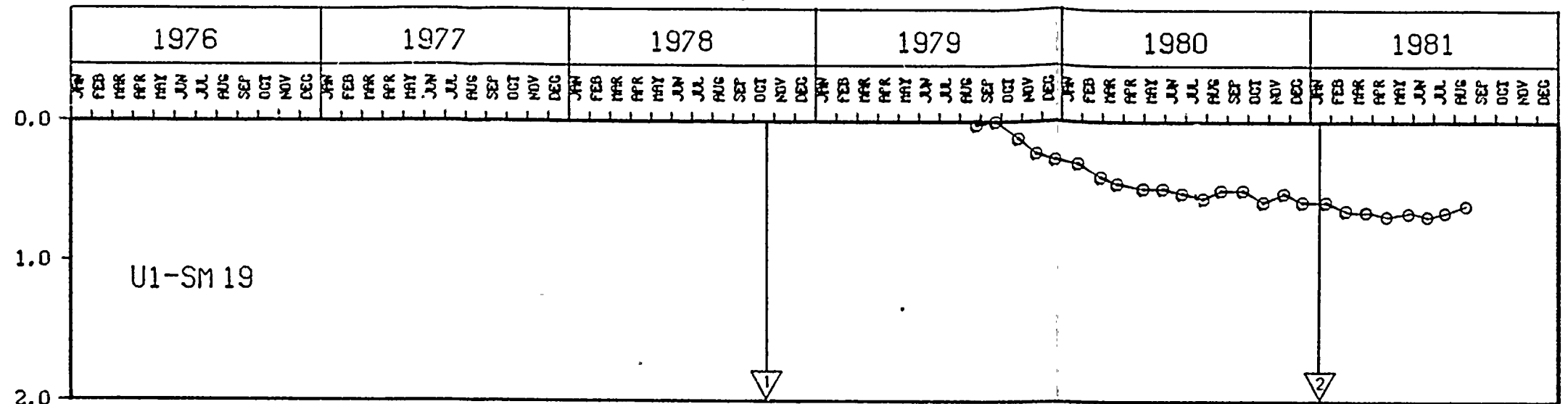
TERA
APERTURE
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 Arizona Nuclear Power Project Palo Verde Nuclear Generating Station Units 1, 2 & 3
GROUND DEFLECTION RECORD MPE-5
Figure 7

8112230534-07

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SETTLEMENT (INCHES)



CONSTRUCTION MILESTONES

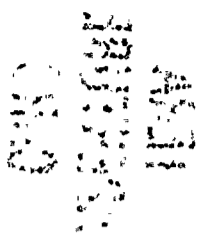
- ▽1 FORMING AND CONCRETE POURING BEGUN 10-78
- ▽2 STRUCTURE COMPLETE APPROXIMATELY 1-81

MILESTONE DATES BASED ON "PROJECT MILESTONE SCHEDULE" BECHTEL DRAWING NO. SCH-20-1, STATUS AS OF 9-30-81, AND CONCRETE PLACEMENT SCHEDULES.

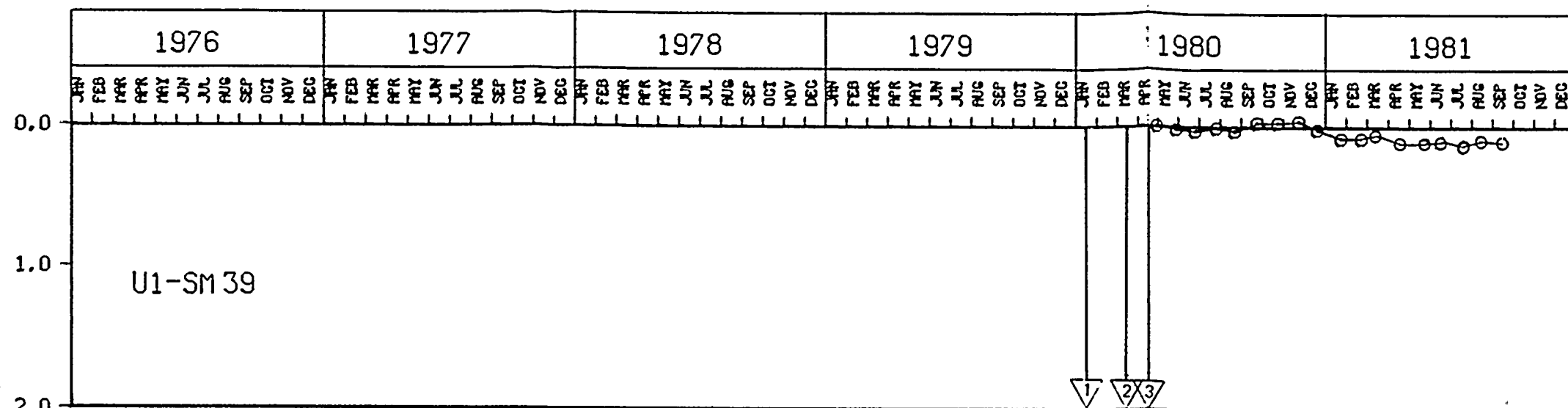
TERA
APERTURE
CARD

	Palo Verde Nuclear Generating Station FSAR
	PARTIAL SETTLEMENT RECORD UNIT 1 MAIN STEAM SUPPORT STRUCTURE Figure 30

Project Number: 76-096-10



SETTLEMENT (INCHES)




CONSTRUCTION MILESTONES

- 1 FORMING AND CONCRETE POURING BEGUN 1-80
- 2 START LINER 3-80
- 3 COMPLETE LINER 4-80

MILESTONE DATES PROVIDED BY BECHTEL PVNGS CIVIL ENGINEERING GROUP, APRIL, 1981.

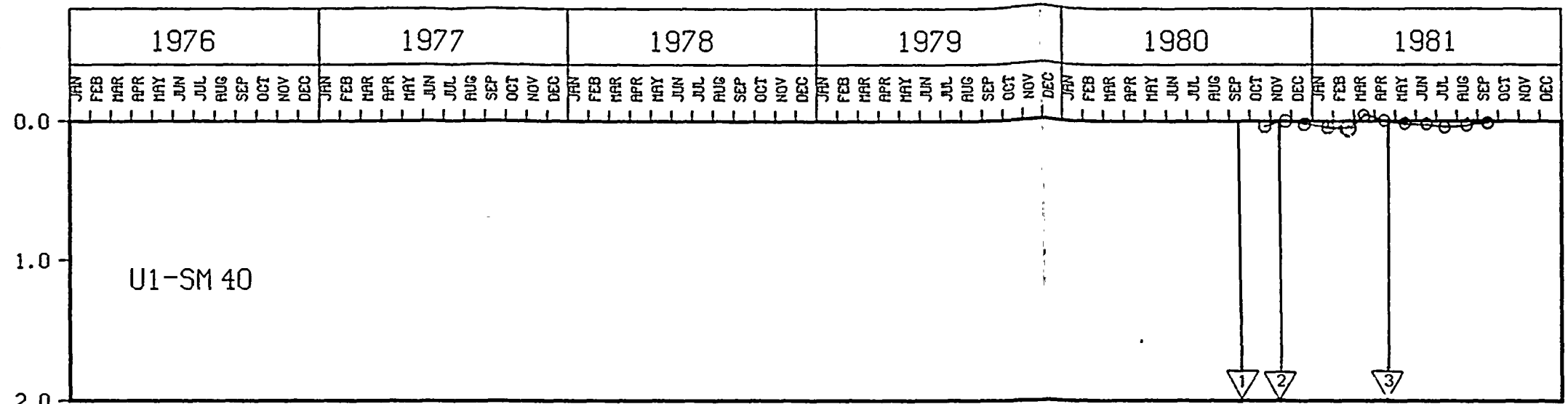
TERA
APERTURE
CARD

	Palo Verde Nuclear Generating Station FSAR
	PARTIAL SETTLEMENT RECORD UNIT 1 REACTOR MAKE-UP TANK Figure 38

Drawn: N. J. 10 056 10

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SETTLEMENT (INCHES)




CONSTRUCTION MILESTONES

- 1 FORMING AND CONCRETE POURING BEGUN 9-80
- 2 START LINER 11-80
- 3 STRUCTURE COMPLETE 4-81

MILESTONE DATES PROVIDED BY BECHTEL PVNGS CIVIL ENGINEERING GROUP, APRIL, 1981.

TERA
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CARD

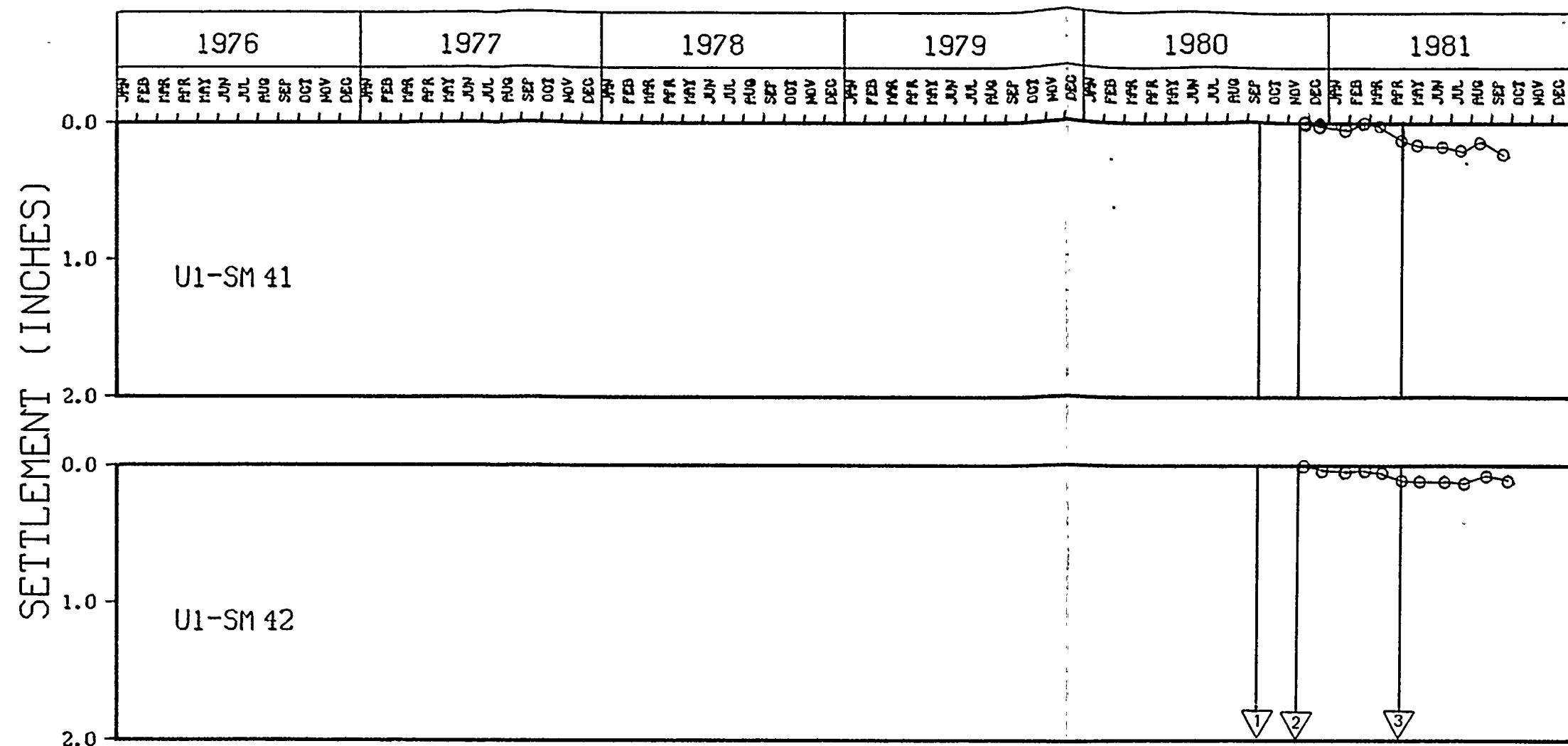
	Palo Verde Nuclear Generating Station FSAR
	PARTIAL SETTLEMENT RECORD UNIT 1 HOLD-UP TANK Figure 39

Project Number 76 056 10

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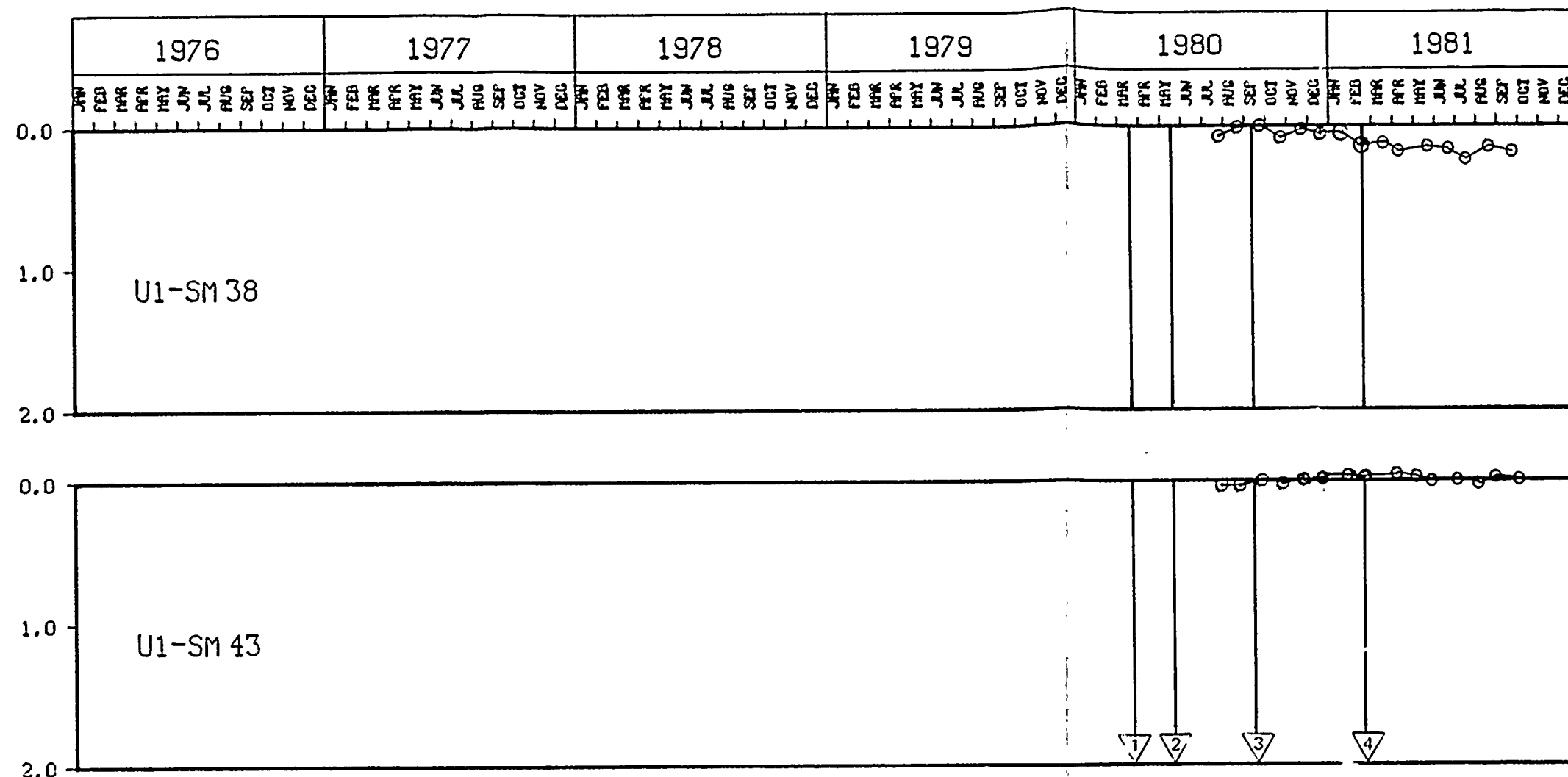




CONSTRUCTION MILESTONES

- 1 FORMING AND CONCRETE POURING BEGUN 9-80
- 2 START LINER 11-80
- 3 STRUCTURE COMPLETE 4-81

MILESTONE DATES PROVIDED BY BECHTEL PVNGS CIVIL
ENGINEERING GROUP, APRIL, 1981.



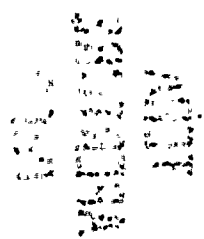
CONSTRUCTION MILESTONES

- 1 FORMING AND CONCRETE POURING BEGUN 3-80
- 2 START LINER 5-80
- 3 COMPLETE LINER 9-80
- 4 STRUCTURE COMPLETE 2-81

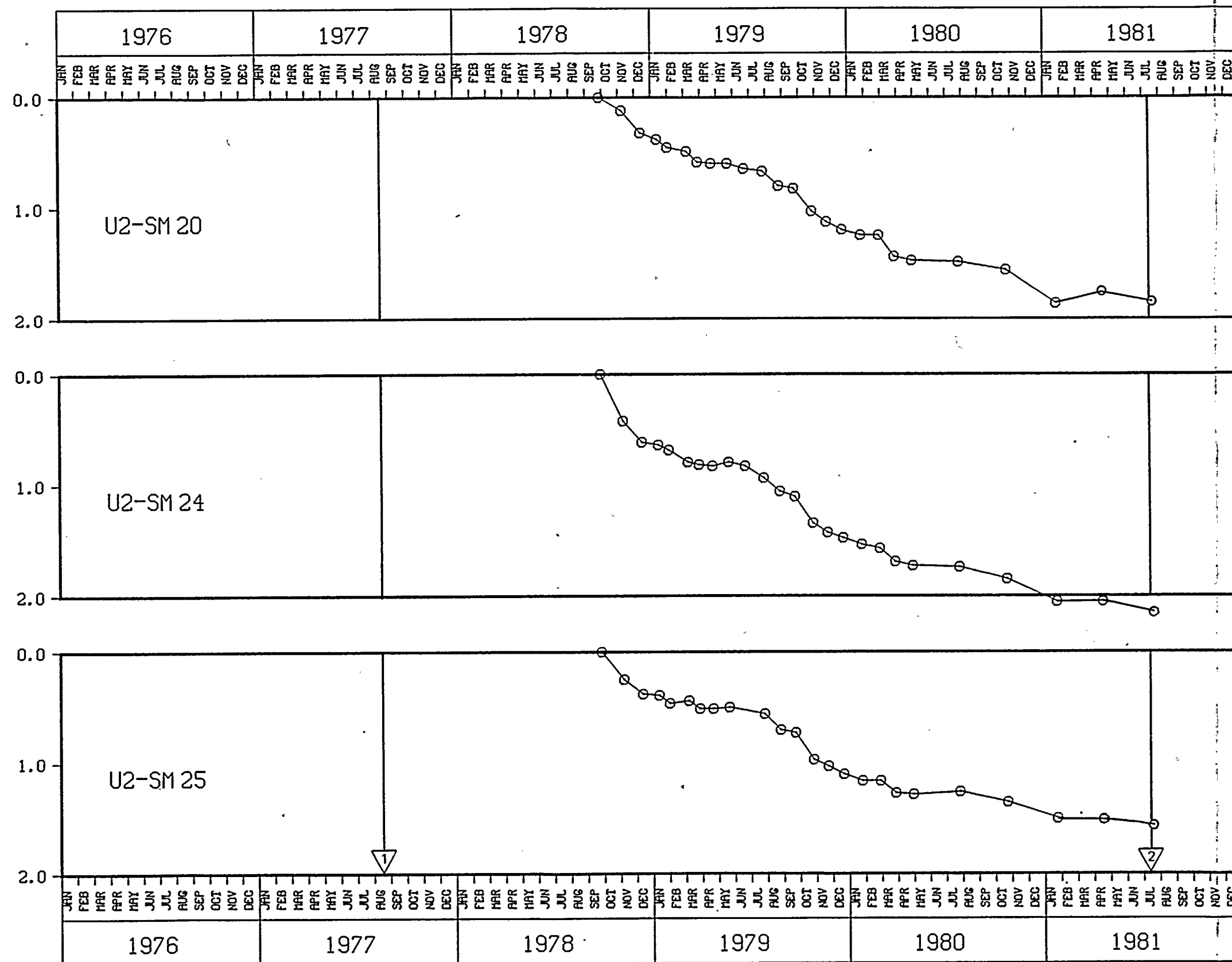
**TERA
APERTURE
CARD**

MILESTONE DATES PROVIDED BY BECHTEL PVNGS CIVIL
ENGINEERING GROUP, APRIL, 1981.

	Palo Verde Nuclear Generating Station FSAR
	PARTIAL SETTLEMENT RECORD UNIT 1 CONDENSATE TANK Figure 41
Project Number: 76-056-10	



SETTLEMENT (INCHES)



CONSTRUCTION MILESTONES

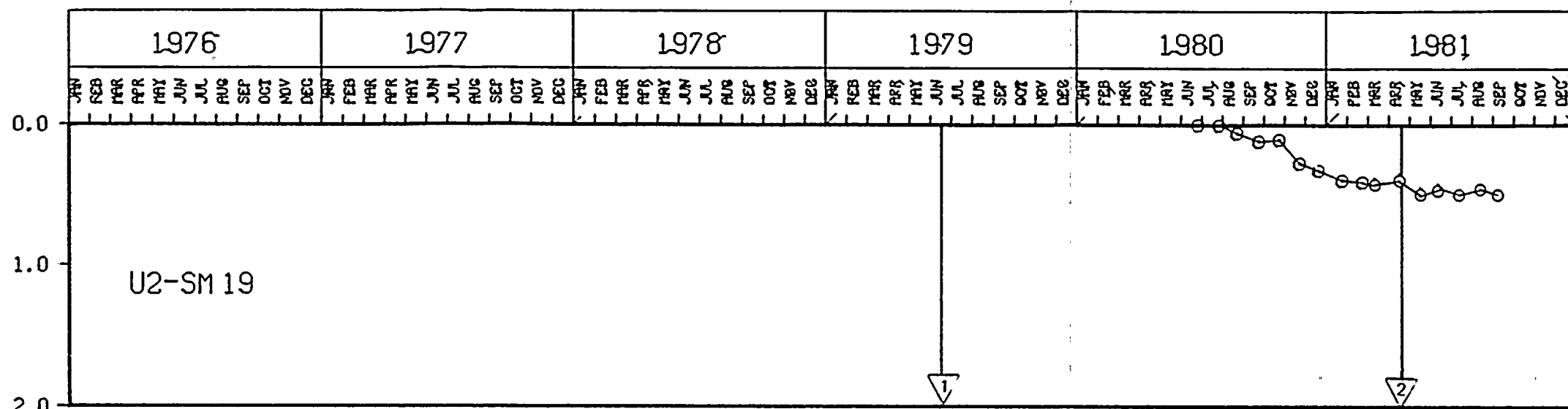
1 FORMING AND CONCRETE POURING BEGUN 8-77

2 STRUCTURE COMPLETE 7-81

MILESTONE DATES BASED ON "PROJECT MILESTONE SCHEDULE"
BECHTEL DRAWING NO. SCH-20-2, STATUS AS OF 9-30-81 AND
CONCRETE PLACEMENT SCHEDULES

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APERTURE
CARD

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CONSTRUCTION MILESTONES



FORMING AND CONCRETE POURING BEGUN 6-79



STRUCTURE COMPLETE APPROXIMATELY 4-81

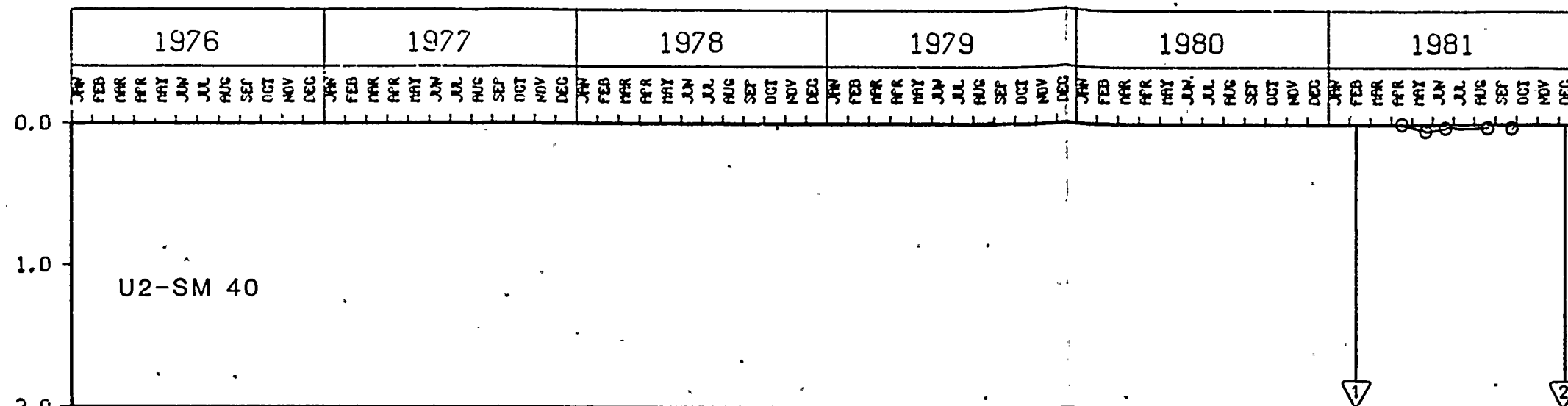
MILESTONE DATES BASED ON "PROJECT MILESTONE SCHEDULE"
BECHTEL DRAWING NO. SCH-20-2 STATUS AS OF 9-30-81, AND
CONCRETE PLACEMENT SCHEDULES.

**TERA
APERTURE
CARD**

	Palo Verde Nuclear Generating Station FSAR
	PARTIAL SETTLEMENT RECORD UNIT 2 MAIN STEAM SUPPORT STRUCTURE Figure 44
Project Number 76 056 10	

RECEIVED
JAN 10 1964

SETTLEMENT (INCHES)



CONSTRUCTION MILESTONES


1 FORMING AND CONCRETE POURING BEGUN 2-81

2 STRUCTURE COMPLETE APPROXIMATELY 12-81

MILESTONE DATES PROVIDED BY BECHTEL, NOVEMBER 1981.

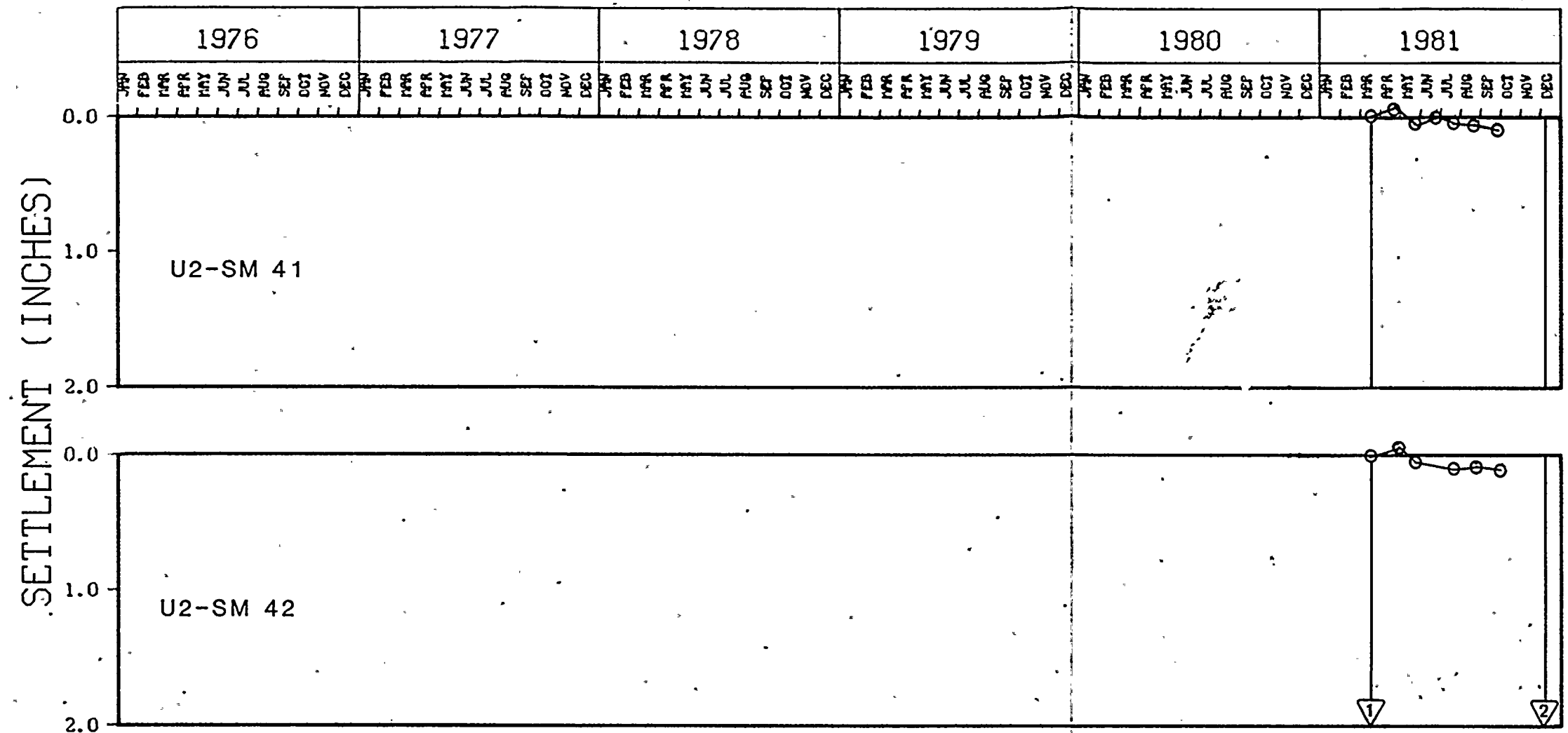
NOTE: MARKER POINT DESTROYED AFTER AUGUST 81 READING.
NEW POINT INSTALLED FOR SEPTEMBER 81 READING.

TERA
APERTURE
CARD

	Palo Verde Nuclear Generating Station ESAR
	PARTIAL SETTLEMENT RECORD UNIT 2 HOLD-UP TANK Figure 52
Project Number 76 056 10	

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CONSTRUCTION MILESTONES

1 FORMING AND CONCRETE POURING BEGUN 3-81

2 STRUCTURE COMPLETE 12-81

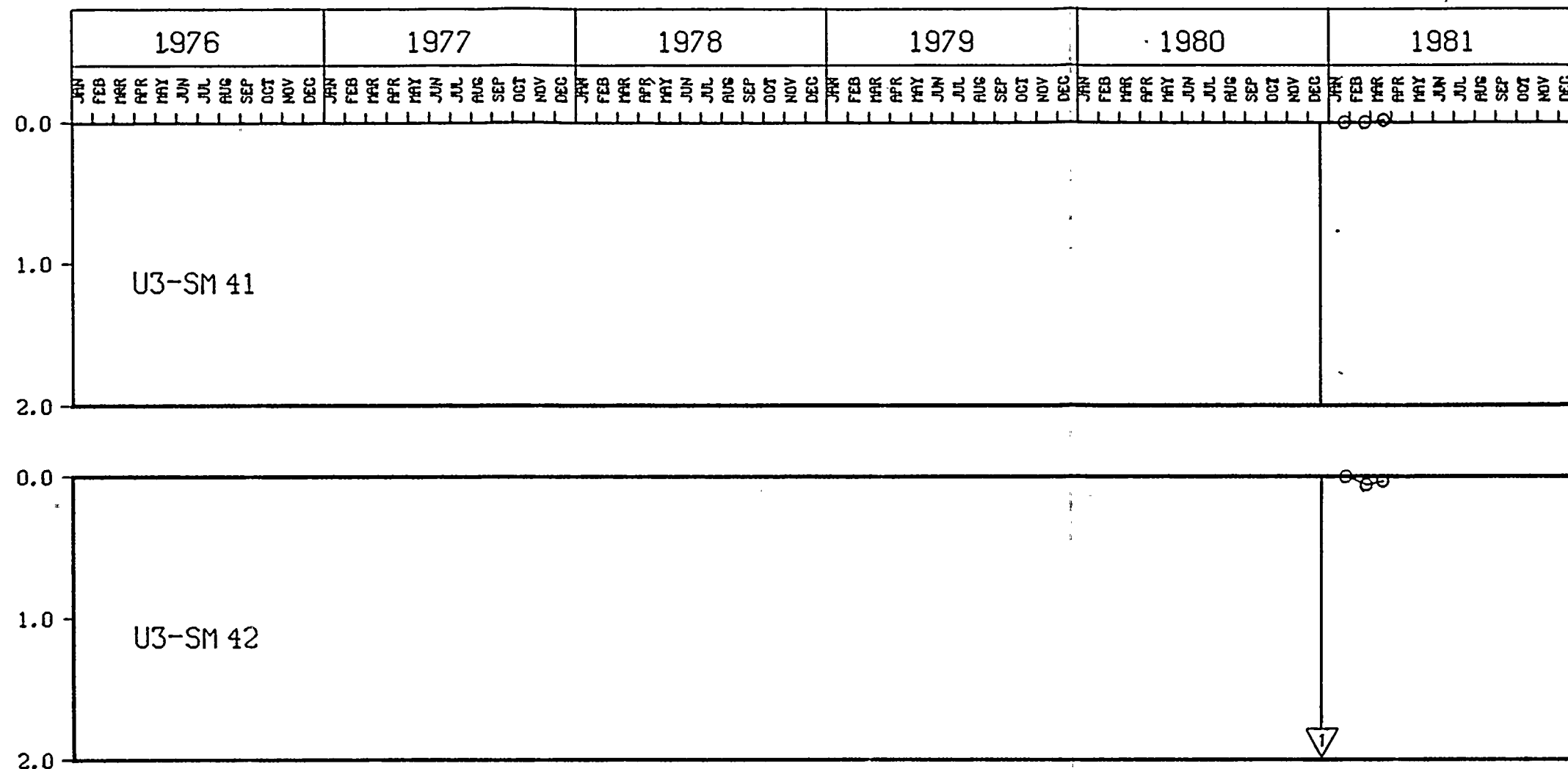
MILESTONE DATES PROVIDED BY BECHTEL, NOVEMBER 1981.

**TERA
APERTURE
CARD**

	Palo Verde Nuclear Generating Station FSAR
	PARTIAL SETTLEMENT RECORD UNIT 2 REFUELING WATER TANK Figure 53
Project Number 76 056 10	

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CONSTRUCTION MILESTONES

1 FORMING AND CONCRETE POURING BEGUN 12-80

2 START LINER 3-83

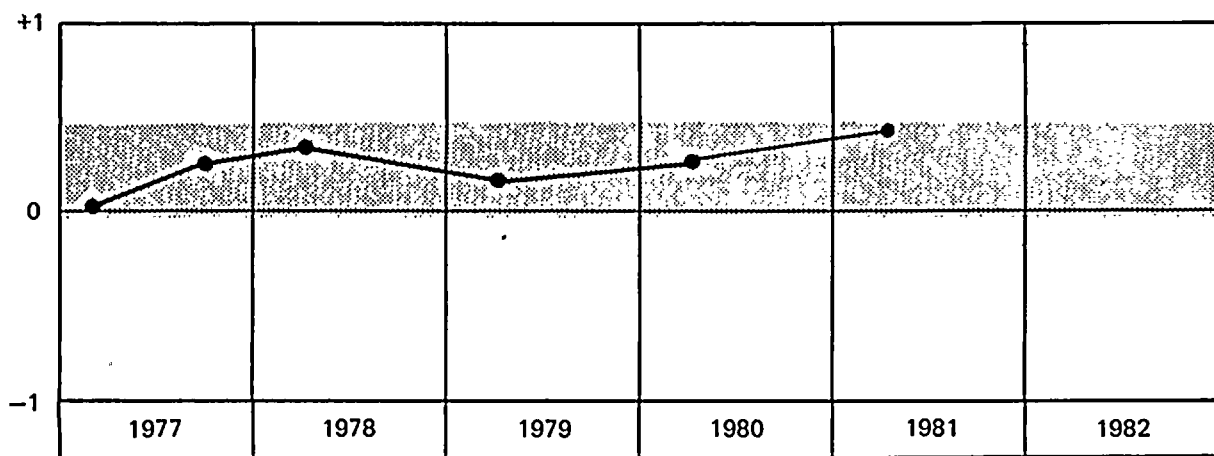
3 STRUCTURE COMPLETE 11-83

TERA
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MILESTONE DATES PROVIDED BY BECHTEL PVNGS CIVIL
ENGINEERING GROUP, APRIL, 1981

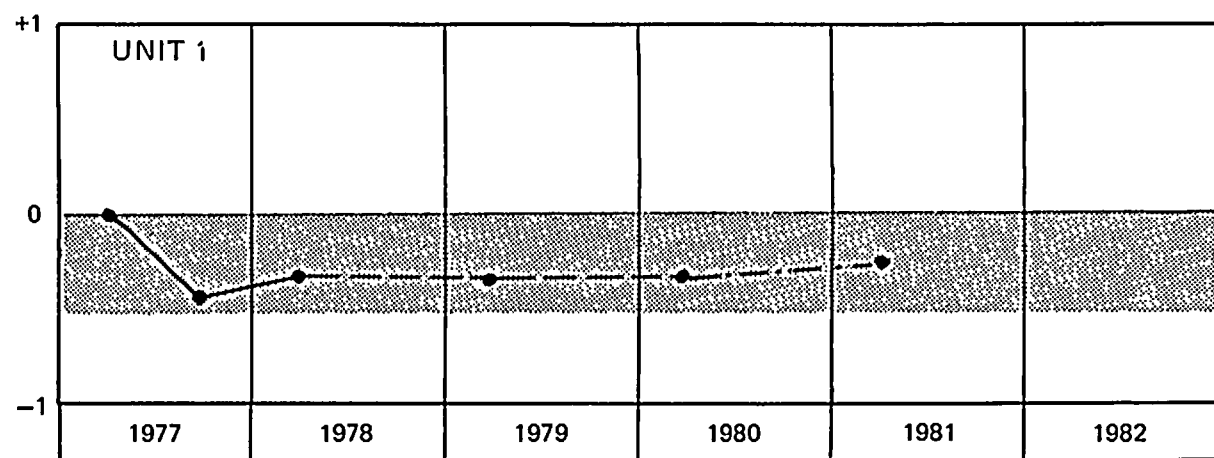
NOTE: READINGS FOR EARLY 1981 ARE FOR MARKERS
INSTALLED IN THE BASE MAT. BASE MAT WAS
BACKFILLED OVER IN APRIL 81. READINGS WILL
RESUME WHEN BACKFILL IS REMOVED AND TANK
IS ERECTED IN 1983.

	Palo Verde Nuclear Generating Station FSAR
	PARTIAL SETTLEMENT RECORD UNIT 3 REFUELING WATER TANK Figure 59 Project Number 76 056 10



BM-RP

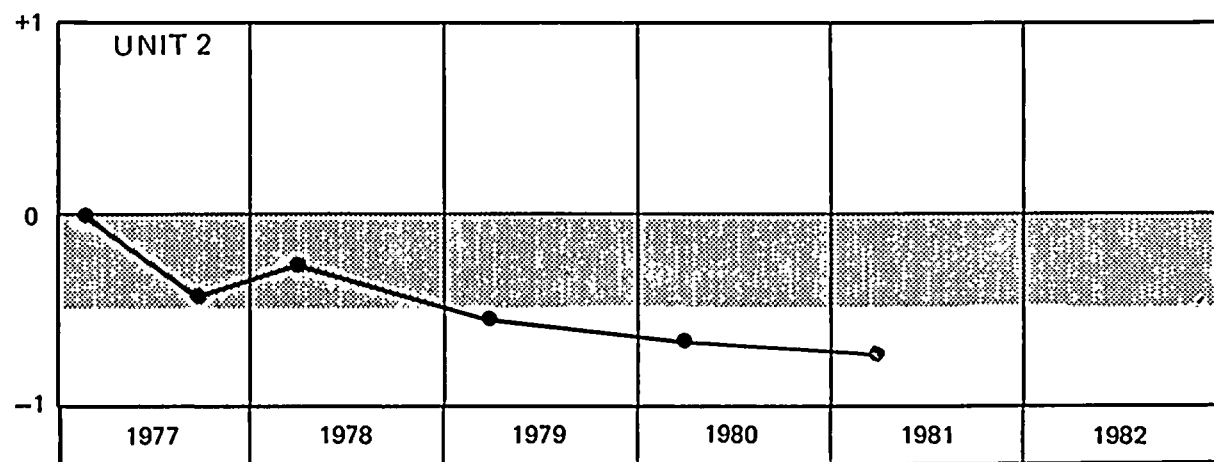
SUBSIDENCE (INCHES)



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BM-1-4 - - - -

BM-1-1B — · — ·

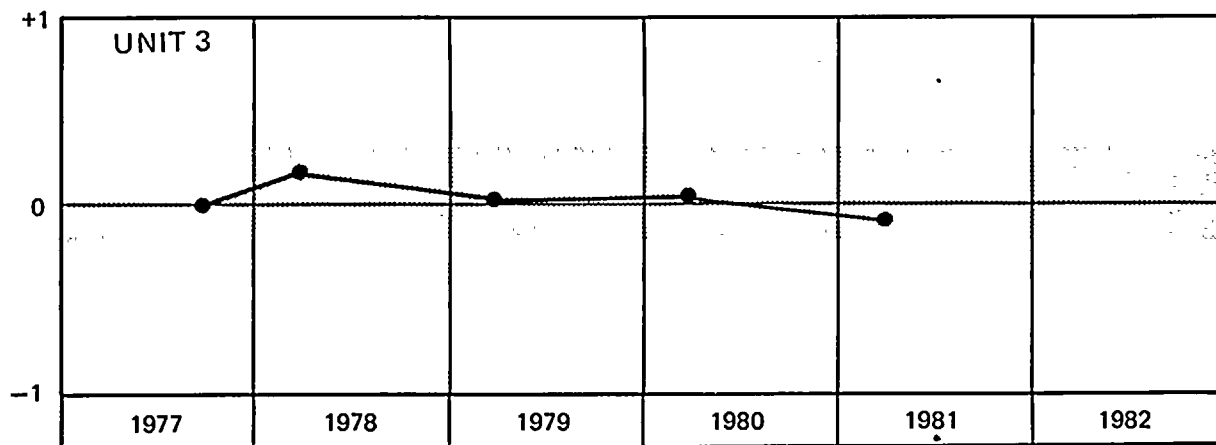


BM-2-1

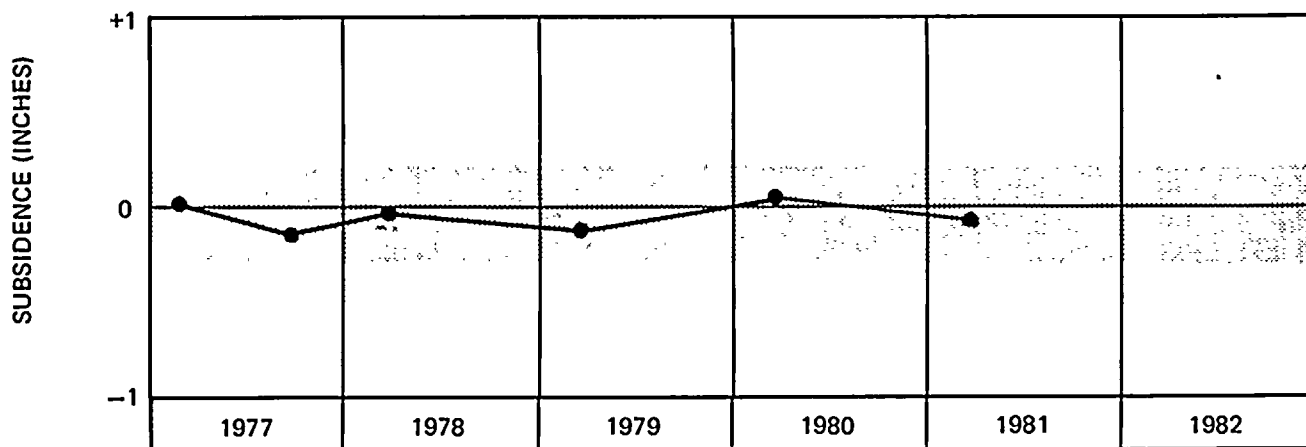
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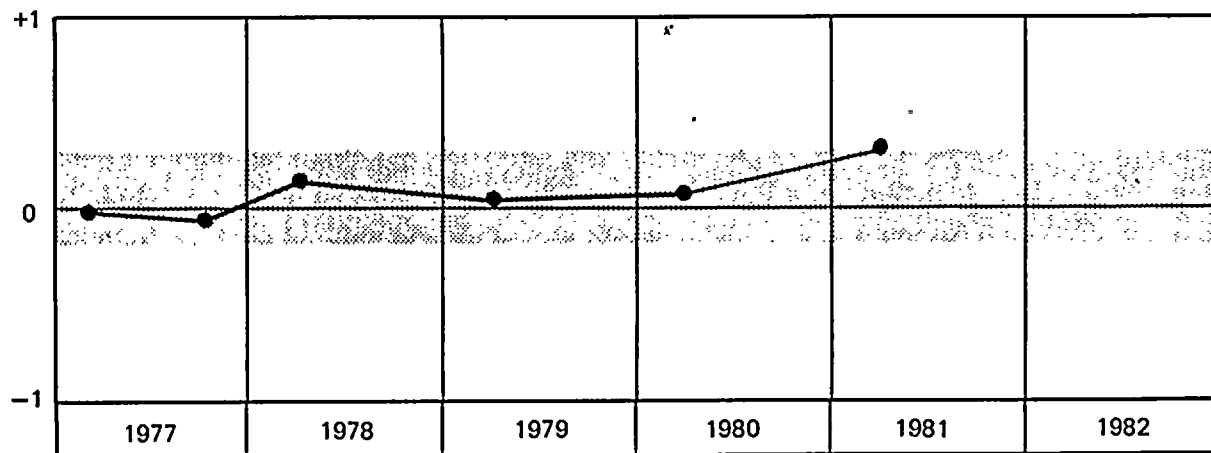
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BM-3-1



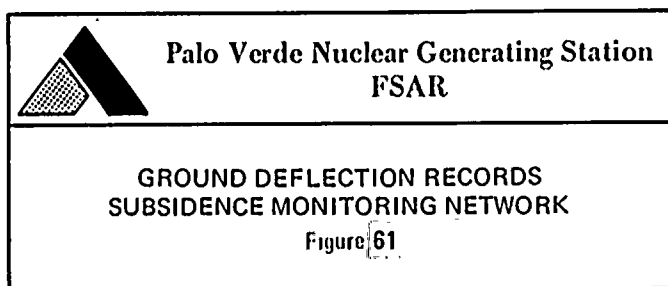
PV-2



PV-3

NOTES: Plots represent surveyed change in elevation with respect to BM-PV-1 located on a rock outcrop and assumed to be stable.

Shaded zone represents survey accuracy (+0.25").



'81 NOV -3 P12:32

NS DOC CENTER

Bechtel Power Corporation

Engineers - Constructors

12400 East Imperial Highway

Norwalk, California 90650

MAIL ADDRESS

P.O. BOX 60860 - TERMINAL ANNEX, LOS ANGELES, CALIFORNIA 90060

TELEPHONE: (213) 864-6011



B/ANPP-E-80508

MOC 171351

October 30, 1981

Responsible Eng.	Action By
<i>J. J. Q.</i>	(Date) <i>11/3/81</i>
<input type="checkbox"/> Review & Comment	<input type="checkbox"/> Info
<input type="checkbox"/> Follow	<input type="checkbox"/> Process

Arizona Nuclear Power Project
P. O. Box 21666 - Mail Station 3003
Phoenix, Arizona 85036

Attention: Mr. Edwin E. Van Brunt, Jr.
APS Vice President, ANPP Project Director

Subject: Arizona Nuclear Power Project
Bechtel Job 10407
Resolution of Open Item 2 from
Equipment Qualification Review Board
File: N.28.02

Reference: Transcript of System Review Board,
September 25 & 26, 1980

Dear Mr. Van Brunt:

In response to Open Item 2 of the referenced transcript, the current list of safety-related equipment, valves and instrumentation that require qualification has been compiled by system and project tag number. For each item, the tag number, description, and Bechtel P.O. number is provided, except for manual and check valves for which only the tag number and Bechtel P.O. number is provided.

The list is provided for Unit 1 and Common only. Units 2 and 3 components are identical to Unit 1 components. The list is provided as Enclosure 2. Because of its size, only 1 copy of Enclosure 2 is provided.



(



Mr. E. E. Van Brunt, Jr.
Page 2

Bechtel Power Corporation

B/ANPP-E-80508
MOC 171351
October 30, 1981

Enclosure 1 is a list of systems containing Q Class equipment, valves and instrumentation, as itemized in Enclosure 2. Enclosure 3 provides a description of the Tag Numbering System.

This completes action on Open Item 2 of the above reference.

Very truly yours,

BECHTEL POWER CORPORATION



W. H. Wilson
Project Manager
Los Angeles Power Division

PB:pb

- Enclosures:
- (1) Systems Containing Q Class Equipment, Valves and Instrumentation (1 page, 4 copies)
 - (2) Q Class Equipment, Valves and Instrumentation (194 pages, 1 copy)
 - (3) Equipment and Instrumentation Tag Numbering System (4 pages, 4 copies)

cc: F. W. Hartley w/o encl.
J. M. Allen w/o encl.
D. B. Fasnacht w/o encl.
W. F. Quinn w/o encl.
T. Quan w/enclosures

ENCLOSURE 1

SYSTEMS CONTAINING Q CLASS EQUIPMENT, VALVES, AND INSTRUMENTATION

Systems/Facilities Included:

AF	Auxiliary Feedwater
CH	Chemical and Volume Control
CL	Containment Leak Test
CP	Containment Purge
CT	Condensate Transfer and Storage
DF	Diesel Fuel Oil and Transfer
DG	Diesel Generator
DW	Demineralized Water
EC	Essential Chilled Water
EW	Essential Cooling Water
FP	Fire Protection
GA	Service Gases (N ₂ and H ₂)
GR	Gaseous Radwaste
HA	HVAC - Auxiliary Building
HC	HVAC - Containment Building
HD	HVAC - Diesel Generator Building
HF	HVAC - Fuel Building
HJ	HVAC - Control Building
HP	Containment Hydrogen Control
IA	Instrument and Service Air
NA	13.8 kV Power (Non-IE)
NC	Nuclear Cooling Water
NG	480-V Power, Switchgear (Non-IE)
NH	480-V Power, MCC (Non-IE)
NN	Instrument AC Power (Non-IE)
NS	Gas Stripper Subsystem of CVCS
PB	4.16-kV Power (IE)
PC	Fuel Pool Cooling and Cleanup
PG	480-V Power, Switchgear (IE)
PH	480-V Power, MCC (IE)
PK	125-V DC Power (IE)
PN	Instrument AC Power (IE)
QB	Essential Lighting
QF	In-Plant Communications
RC	Reactor Coolant
RD	Radioactive Waste Drains
RI	In-Core Reactor Instrumentation
RK	Plant Annunciator
RM	Main Control Board
SA	Engineered Safety Features Actuation
SB	Reactor Protection
SE	Ex-Core Neutron Monitoring
SF	Reactor Control
SG	Main Steam
SI	Safety Injection and Shutdown Cooling
SP	Essential Spray Ponds
SQ	Radiation Monitoring
SS	Nuclear Sampling
WC	Chilled Water
ZA	Auxiliary Building - Multi-system components
ZC	Containment Building - Multi-system components
ZF	Fuel Building - Non-system specific equipment
ZJ	Control Building - Multi-system components



ENCLOSURE 2

SAFETY-RELATED EQUIPMENT, VALVES
AND INSTRUMENTATION



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
10AFAP01	AUX FR TURBINE CONTROL PANEL	13M4021
10AFAP01	AUX FR TURB OIL COOLER	13M4021
10AFAP01	AUX FOSTR PUMP TURBINE	13M4021
10AFAP01	AUX FEEDTR PUMP-TURB DRIVEN	13M4021
10AFAP02	AUX FR TURB MAIN OIL PUMP	13M4021
10AFAP075	PENETRATION-AUX FEED	13M4500
10AFAP01	AUX FEEDTR PUMP-MOTOR DRIVEN	13M4021
10AFAP076	PENETRATION-AUX FEED	13M4500



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TAG NUMBER

BECHTEL
SPEC/PO

1PAFAV002	13PM221B
1PAFAV004	13PM221A
1PAFAV005	13PM221B
1PAFAV006	13PM221B
1PAFAV007	13PM221B
1PAFAV010	13PM221A
1PAFAV014	13PM221A
1PAFAV015	13PM221B
1PAFAV016	13PM221B
1PAFAV017	13PM221B
1PAFAV018	13PM221B
1PAFAV019	13PM221A
1PAFAV020	13PM221A
1PAFAV041	13PM221A
1PAFAV042	13PM221A
1PAFAV047	13PM221A
1PAFAV055	13PM221A
1PAFAV058	13PM221B
1PAFAV059	13PM221A
1PAFAV062	13PM221A
1PAFAV067	13PM221A
1PAFAV069	13PM221A
1PAFAV070	13PM221A
1PAFAV075	13PM221A
1PAFAV076	13PM221A
1PAFAV077	13PM221B
1PAFAV079	13PM221B
1PAFAV081	13PM221A
1PAFAV084	13PM221A
1PAFAV087	13PM221A
1PAFAV090	13PM221A
1PAFAV091	13PM221A
1PAFAV096	13PM221B
1PAFAV097	13PM221A
1PAFAV099	13PM221A
1PAFAV107	13PM221A
1PAFAV108	13PM221A
1PAFAV115	13PM221C
1PAFAV119	13PM221A
1PAFAV122	13PM221A
1PAFAV125	13PM221A
1PAFAV126	13PM221A
1PAFAV127	13PM221A
1PAFAV128	13PM221A
1PAFAV132	13PM221C0
1PAFAV137	13PM221B
1PAFAV139	13PM221C0
1PAFAV140	13PM221C0
1PAFAV504	13MM021
1PAFAV505	13MM021
1PAFAV506	13MM021
1PAF6V009	13PM221B
1PAF6V021	13PM221B
1PAF6V022	13PM221B



TAG NUMBER

PECTEL
SPEC/PO

1PAFBV023	13PM221A
1PAFBV024	13PM221B
1PAFBV025	13PM221B
1PAFBV026	13PM221B
1PAFBV027	13PM221B
1PAFBV028	13PM221B
1PAFBV029	13PM221A
1PAFBV030	13PM221A
1PAFBV039	13PM221A
1PAFBV040	13PM221A
1PAFBV048	13PM221A
1PAFBV049	13PM221A
1PAFBV050	13PM221A
1PAFBV061	13PM221A
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1PAFBV065	13PM221A
1PAFBV066	13PM221A
1PAFBV068	13PM221A
1PAFBV071	13PM221A
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1PAFBV074	13PM221A
1PAFBV078	13PM221B
1PAFBV080	13PM221B
1PAFBV082	13PM221A
1PAFBV083	13PM221A
1PAFBV093	13PM221A
1PAFBV094	13PM221A
1PAFBV129	13PM221A
1PAFBV130	13PM221A
1PAFBV138	13PM221B
1PAFEV079	13PM221B
1PAFEV080	13PM221B
1PAFNV047	13PM221A



	TAG NUMBER	DESCRIPTION	ECCNTEL SPEC/PO
4	1JAFAPF 0026	AF PP A TEST/EXERCISE	J-425
5	1JAFAPF 0040A	AFW FLOW TO SG 1/2	J-111
6	1JAFAPF 0040B	AFW FLOW TO SG 1/2-RS	J-111
7	1JAFAPU 0013	AF PP A RECIRC	N-021
8	1JAFAPF 0040A	AFW FLOW TO SG 1	J-311
9	1JAFAPF 0040B	AFW FLOW TO SG 2	J-311
10	1JAFAPY 0040A	I/E CONVERTOR	J-111
11	1JAFAPY 0040B	SG ROOT CONVERTOR	J-111
12	1JAFAPY 0040C	I/E CONVERTOR	J-111
13	1JAFAPY 0040D	SG ROOT CONVERTOR	J-111
14	1JAFAPF 0011	AF PP A	J-200
15	1JAFAPF 0032A	AF REG VLV PP A TO SG 1-CR	J-200
16	1JAFAPF 0032B	AF REG VLV PP A TO SG 1-RS	N-001
17	1JAFAPF 0032C	AF REG VLV PP A TO SG 1-CR OR	J-200
18	1JAFAPF 0032D	AF REG VLV PP A TO SG 1-RS OR	N-001
19	1JAFAPF 0037A	AF ISOL VLV PP A TO SG 2-CR	J-200
20	1JAFAPF 0037B	AF ISOL VLV PP A TO SG 2-RS	N-001
21	1JAFAPF 0037C	AF ISOL VLV PP A TO SG 2-CR OR	J-200
22	1JAFAPF 0037D	AF ISOL VLV PP A TO SG 2-RS OR	N-001
23	1JAFAPF 0052A	AF TURB SPEED CONTROL XFER--RS	N-001
24	1JAFAPF 0052B	AF TURB O.S. TEST--LP	N-021
25	1JAFAPF 0052C	AF TURB SPEED CONTROL XFER--LP	N-021
26	1JAFAPF 0054A	AF TURB TRIP--CR	J-200
27	1JAFAPF 0054B	AF TURB TRIP--RS	N-001
28	1JAFAPF 0054C	AF TURB TRIP--LP	N-021
29	1JAFAPF 0054D	AF TURB TRIP VLV JOG--CR	J-200
30	1JAFAPF 0054E	AF TURB TRIP VLV JOG--LP	N-021
31	1JAFAPF 0054F	AF TURB TRIP VLV JOG--RS	N-001
32	1JAFAPV 0032	AF REG VLV PP A TO SG 1	J-601A
33	1JAFAPV 0054	AF TURB TRIP VLV	N-021
34	1JAFAPV 0054	AF TURB TRIP VLV MAN TRIP	N-021
35	1JAFAPF 0018A	AF PP A DISCH	J-111
36	1JAFAPF 0055	AF TURB INLET PRESS--LP	N-021
37	1JAFAPF 0056	AF TURB EXHAUST PRESS--LP	N-021
38	1JAFAPT 0018	AF PP A DISCH	J-311
39	1JAFAPY 0018	I/E CONVERTOR	J-111
40	1JAFASI 0052A	AF TURB SPEED--CR	J-111
41	1JAFASI 0052B	AF TURB SPEED--RS	J-111
42	1JAFASI 0052C	AF TURB SPEED--LP	N-021
43	1JAFASK 0052A	AF TURB CONTROL--CR	N-021
44	1JAFASK 0052B	AF TURB CONTROL--RS	N-021
45	1JAFASK 0052C	AF TURB CONTROL--LP	N-021
46	1JAFASI 0052	AF TURB SPEED	N-021
47	1JAFASV 0052	AF TURB GOVERNOR VALVE	N-021
48	1JAFASY 0052	I/E CONVERTOR	J-111
49	1JAFATI 0058	AF TURB LUBE OIL	N-021
50	1JAFATI 0058	AF TURB LUBE OIL	N-021
51	1JAFAPV 0037	AF ISOL VLV PP A TO SG 2	P-221B
52	1JAFAXCV 0020	EXC FLOW CRK VLV FOR PI-20	J-705
53	1JAFAXCV 0055	EXC FLOW CRK VLV FOR PI-55	J-705
54	1JAFAZI 0032A	AF REG VLV PP A TO SG 1-CR	J-200
55	1JAFAZI 0032B	AF REG VLV PP A TO SG 1-RS	N-001
56	1JAFAZI 0032	AF REG VLV PP A TO SG 1	J-601A
57	1JAFAPF 0015	AF PP A TEST/EXERCISE	J-425



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TAG NUMBER	DESCRIPTION	TECHNICAL SPEC/PU
1JAFBFI 0041A	AFW FLOW TO SG 1/2	J-111
1JAFBFI 0041B	AFW FLOW TO SG 1/2-RS	J-111
1JAFBFU 0012	AF PP B RECIRC	P-021
1JAFBFT 0041A	AFW FLOW TO SG 1	J-311
1JAFBFT 0041B	AFW FLOW TO SG 2	J-311
1JAFBFY 0041A	I/E CONVERTOR	J-111
1JAFBFY 0041B	SG ROOT CONVERTOR	J-111
1JAFBFY 0041C	I/E CONVERTOR	J-111
1JAFBFY 0041D	SG ROOT CONVERTOR	J-111
1JAFBHS 0010	AF PP B	J-200
1JAFBHS 0030A	AF REG VLV PP B TO SG 1-CR	J-200
1JAFBHS 0030B	AF REG VLV PP B TO SG 1-RS	N-001
1JAFBHS 0030C	AF REG VLV PP B TO SG 1-CR OR	J-200
1JAFBHS 0030D	AF REG VLV PP B TO SG 1-RS OR	N-001
1JAFBHS 0031A	AF REG VLV PP B TO SG 2-CR	J-200
1JAFBHS 0031B	AF REG VLV PP B TO SG 2-RS	N-001
1JAFBHS 0031C	AF REG VLV PP B TO SG 2-CR OR	J-200
1JAFBHS 0031D	AF REG VLV PP B TO SG 2-RS OR	N-001
1JAFBHS 0034A	AF ISOL VLV PP B TO SG 1-CR	J-200
1JAFBHS 0034B	AF ISOL VLV PP B TO SG 1-RS	N-001
1JAFBHS 0034C	AF ISOL VLV PP B TO SG 1-CR OR	J-200
1JAFBHS 0034D	AF ISOL VLV PP B TO SG 1-RS OR	N-001
1JAFBHS 0035A	AF ISOL VLV PP B TO SG 2-CR	J-200
1JAFBHS 0035B	AF ISOL VLV PP B TO SG 2-RS	N-001
1JAFBHS 0035C	AF ISOL VLV PP B TO SG 2-CR OR	J-200
1JAFBHS 0035D	AF ISOL VLV PP B TO SG 2-RS OR	N-001
1JAFBHV 0030	AF REG VLV PP B TO SG 1	J-601A
1JAFBHV 0031	AF REG VLV PP B TO SG 2	J-601A
1JAFBPI 0017A	AF PP B DISCH	J-111
1JAFBPT 0017	AF PP B DISCH	J-311
1JAFBPY 0017	I/E CONVERTOR	J-111
1JAFBUV 0034	AF ISOL VLV PP B TO SG 1	P-221B
1JAFBUV 0035	AF ISOL VLV PP B TO SG 2	P-221B
1JAFBXLV 0016	EXC FLOW CRK VLV FOR PT-16	J-705
1JAFBZI 0030A	AF REG VLV PP B TO SG 1-CR	J-200
1JAFBZI 0030B	AF REG VLV PP B TO SG 1-RS	N-001
1JAFBZI 0031A	AF REG VLV PP B TO SG 2-CR	J-200
1JAFBZI 0031B	AF REG VLV PP B TO SG 2-RS	N-001
1JAFBZT 0030	AF REG VLV PP B TO SG 1	J-601A
1JAFBZT 0031	AF REG VLV PP B TO SG 2	J-601A
1JAFCHS 0033A	AF REG VLV PP A TO SG 2-CR	J-200
1JAFCHS 0033B	AF REG VLV PP A TO SG 2-RS	N-001
1JAFCHS 0033C	AF REG VLV PP A TO SG 2-CR OR	J-200
1JAFCHS 0033D	AF REG VLV PP A TO SG 2-RS OR	N-001
1JAFCHS 0036A	AF ISOL VLV PP A TO SG 1-CR	J-200
1JAFCHS 0036B	AF ISOL VLV PP A TO SG 1-RS	N-001
1JAFCHS 0036C	AF ISOL VLV PP A TO SG 1-CR OR	J-200
1JAFCHS 0036D	AF ISOL VLV PP A TO SG 1-RS OR	N-001
1JAFCHV 0033	AF REG VLV PP A TO SG 2	J-601A
1JAFCUV 0036	AF ISOL VLV PP A TO SG 1	P-221B
1JAF CZI 0033A	AF REG VLV PP A TO SG 2-CR	J-200
1JAF CZI 0033B	AF REG VLV PP A TO SG 2-RS	N-001
1JAF CZI 0033	AF REG VLV PP A TO SG 2	J-601A
1JAF EFE 0040	AF FLOW TO SG 1 DOWNCOMER	J-425



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INSTRUMENT - "W" CLASS

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TAG NUMBER

DESCRIPTION

BECHTEL
SPEC/PO

1JAFEF 0041

AF FLOW TO SG 2 DOWNCOMER

J-425



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PG
1JCHNE02	CONT. PBL-CVCS GAS STRIPPER	13NM001
1JCHNE03	INST. RACK-CVCS GAS STRIPPER	13NM001
1MCPAF20	REF. WTR. TR. SUCTION STRAINER 1	13PM202
1MCHAP01	CHARGING PUMP (1)	13NM001
1MCHAX05	SUCTION STABILIZER CHG PP A	13NM001
1MCHAX07	PULSATION DAMPENER CHG PP A	13NM001
1MCHAF20	REF. WTR. TR. SUCTION STRAINER 2	13PM202
1MCHBP01	CHARGING PUMP (2)	13NM001
1MCHBX05	SUCTION STABILIZER CHG PP B	13NM001
1MCHBX07	PULSATION DAMPENER CHG PP B	13NM001
1MCHFE01	REGENERATIVE HEAT EXCHANGER	13NM001
1MCHFP01	CHARGING PUMP (3)	13NM001
1MCHET01	REFUELING WATER TANK	13CM220
1MCHEU040	PENETRATION-LETDOWN	13MM500
1MCHEU041	PENETRATION-CHARGING	13MM500
1MCHEU043	PENETRATION-RC PUMP BLEEDOFF	13MM500
1MCHEU045	PENETRATION-RC MAKE UP	13MM500
1MCHEX05	SUCTION STABILIZER CHG PP E	13NM001
1MCHEX07	PULSATION DAMPENER CHG PP E	13NM001
1MCHND01A	PURIFICATION ION EXCHANGER (1)	13NM001
1MCHND01B	PURIFICATION ION EXCHANGER (2)	13NM001
1MCHND01K	ION EXCHANGER RESIN	13NM001
1MCHND02	DEBORATING ION EXCHANGER	13NM001
1MCHND03	PRE-HOLD UP ION EXCHANGER	13NM001
1MCHNE02	LETDOWN HEAT EXCHANGER	13NM001
1MCHNE03	GAS STRIPPER PACKAGE	13NM001 A
1MCHNE05	SEAL INJECTION HEAT EXCHANGER	13NM001
1MCHNE11	HEAT REC.H-E IN PKG 1MCHNE03	13NM001
1MCHNE12	PREHEATER IN PKG 1MCHNE03	13NM001
1MCHNE13	STRIPPER CLMN IN PKG 1MCHNE03	13NM001
1MCHNE14	REBOILER IN PKG 1MCHNE03	13NM001
1MCHNE15	AFTERCOOLER IN PKG 1MCHNE03	13NM001
1MCHNE16	0"HEAD COND. IN PKG 1MCHNE03	13NM001
1MCHNF01	BACKFLUSHABLE PORIF. FILTER	13NM001
1MCHNF02A	SEAL INJECTION FILTER	13NM001
1MCHNF02B	SEAL INJECTION FILTER	13NM001
1MCHNF03	BORIC ACID FILTER	13NM001
1MCHNF04	REACTOR DRAIN FILTER	13NM001
1MCHNF05	REACTOR MAKEUP WTR. FILTER	13NM001
1MCHNF07	PRE-HOLDUP STRAINER	13NM001
1MCHNF08	LET DOWN STRAINER	13NM001
1MCHNF19	PURIFICATION FILTER	13NM001
1MCHNF30	RE-BLR COND. STRAINER- 1MCHNE03	13NM001
1MCHNM13	RE-BLR STEAM TRAP IN 1MCHNE03	13NM001
1MCHNM14	PREHEAT STEAM TRAP IN 1MCHNE03	13NM001
1MCHNP02A	BORIC ACID MAKEUP PUMP (1)	13NM001
1MCHNP028	BORIC ACID MAKEUP PUMP (2)	13NM001
1MCHNP04A	REACTOR DRAIN PUMP	13NM001
1MCHNP04B	REACTOR DRAIN PUMP	13NM001
1MCHNP10B	DISCH. PUMP IN PKG 1MCHNE03	13NM001
1MCHNP31	PREHEAT COND. STRNR IN 1MCHNE03	13NM001
1MCHNX01	VOLUME CONTROL TANK	13NM001
1MCHNX04	EQUIPMENT DRAIN TANK	13NM001
1MCHNX06	N2 SUPPLY TANK	13NM001



TAG NUMBER

BECHTEL
SPEC/PO

1PCHAVM41	13PM221A
1PCHAVX79	13PM221A
1PCHAVX80	13PM221A
1PCHAVX81	13PM221A
1PCHAVX83	13PM221A
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1PCHAV177	13NM001
1PCHAV179	13NM001
1PCHAV190	13NM001
1PCHAV306	13NM001
1PCHAV314	13NM001
1PCHAV316	13NM001
1PCHAV317	13NM001
1PCHAV328	13NM001
1PCHAV329	13NM001 C
1PCHAV339	13NM001
1PCHAV437	13NM001
1PCHAV755	13NM001
1PCHBVS08	13PM221A
1PCHBVO67	13PM221A
1PCHBVO68	13PM221A
1PCHBV136	13NM001
1PCHBV157	13NM001
1PCHBV305	13NM001
1PCHBV319	13NM001
1PCHBV320	13NM001
1PCHBV327	13NM001
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1PCHBV332	13NM001
1PCHBV337	13NM001
1PCHBV438	13NM001
1PCHBV756	13NM001
1PCHBV943	13PM221A
1PCHBV960	13PM221A
1PCHCV137	13NM001
1PCHCV158	13NM001
1PCHDV138	13NM001
1PCHDV159	13NM001
1PCHFVM36	13PM221A
1PCHFVM42	13PM221A
1PCHFVS07	13PM221A
1PCHFVS09	13PM221A
1PCHFVS10	13PM221A
1PCHFVX01	13PM231
1PCHFVX02	13PM231
1PCHFVX11	13PM221A
1PCHFVX12	13PM221A

TAG NUMBER

BECHTEL
SPEC/PO

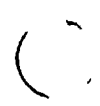
1PCHEVX13	13PM221A
1PCHEVX47	13PM221B
1PCHEV011	13PM221B
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1PCHEV929	13PM221A
1PCHEV930	13PM221A
1PCHEV939	13PM221A
1PCHEV940	13PM221A
1PCHEV961	13PM221A
1PCHEV962	13PM221A
1PCHEV995	13PM221A
1PCHEVM19	13PM221A



TAG NUMBER

BECHTEL
SPEC/PO

1PCHNVM22	13PM221A
1PCHNVM23	13PM221A
1PCHNVM24	13PM221A
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1PCHNVM26	13PM221A
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1PCHNVR04	13PM221A
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1PCHNVR44	13PM221A
1PCHNVR60	13PM221A
1PCHNVR61	13PM221A
1PCHNVR63	13PM221A
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1PCHNVR68	13PM221A
1PCHNVR70	13PM221A
1PCHNVR71	13PM221A
1PCHNVR72	13PM221A
1PCHNVR73	13PM221A
1PCHNVR74	13PM221A
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1PCHNVR76	13PM221A
1PCHNVR77	13PM221A
1PCHNVR78	13PM221A
1PCHNVR79	13PM221A
1PCHNVR80	13PM221A
1PCHNVR81	13PM221A
1PCHNVR82	13PM221A
1PCHNVR83	13PM221A
1PCHNVR84	13PM221A
1PCHNVR85	13PM221A



TAG NUMBER

PECHTEL
SPEC/PO

1PCHNVR86	13PM221A
1PCHNVR87	13PM221A
1PCHNVR88	13PM221A
1PCHNVR89	13PM221A
1PCHNVR90	13PM221A
1PCHNVR91	13PM221A
1PCHNVR92	13PM221A
1PCHNVR94	13PM221A
1PCHNVR95	13PM221A
1PCHNVR96	13PM221A
1PCHNVS02	13PM221A
1PCHNVS06	13PM221A
1PCHNVS14	13PM221A
1PCHNVS15	13PM221A
1PCHNVX03	13PM221A
1PCHNVX04	13PM221A
1PCHNVX05	13PM221A
1PCHNVX06	13PM221A
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1PCHNVX08	13PM221A
1PCHNVX09	13PM221A
1PCHNVX10	13PM221A
1PCHNVX23	13PM221A
1PCHNVX24	13PM221A
1PCHNVX39	13PM221A
1PCHNVX40	13PM221A
1PCHNVX41	13PM221A
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1PCHNVX71	13PM221A
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1PCHNVX84	13PM221A
1PCHNVX88	13PM221A
1PCHNVX89	13PM221A
1PCHNVX90	13PM221A
1PCHNVX96	13PM221A
1PCHNV001	13PM231
1PCHNV003	13PM221A
1PCHNV004	13PM221A
1PCHNV005	13PM221A
1PCHNV006	13PM221A
1PCHNV010	13PM221A
1PCHNV012	13PM221A
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1PCHNV014	13PM221A

TAG NUMBER

BECHTEL
SPEC/PO

1PCHNV020	13PM221A
1PCHNV025	13PM221A
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1PCHNV027	13PM221A
1PCHNV028	13PM221A
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1PCHNV132	13NM001 C
1PCHNV134	13NM001 C
1PCHNV139	13NM001 C
1PCHNV143	13NM001
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1PCHNV146	13NM001 C
1PCHNV147	13NM001 C
1PCHNV152	13NM001 C
1PCHNV153	13NM001 C
1PCHNV154	13NM001 C
1PCHNV155	13NM001 C



TAG NUMBER

BECHTEL
SPEC/PO

1PCHNV161	13NM001 C
1PCHNV162	13NM001
1PCHNV163	13NM001
1PCHNV164	13NM001 C
1PCHNV165	13NM001 C
1PCHNV166	13NM001 C
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1PCHNV176	13NM001 C
1PCHNV184	13NM001 C
1PCHNV185	13NM001 C
1PCHNV188	13NM001 C
1PCHNV192	13NM001 C
1PCHNV197	13NM001 C
1PCHNV198	13NM001 C
1PCHNV296	13PP221C
1PCHNV300	13NM001 C
1PCHNV330	13NM001 C
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1PCHNV378	13NM001 C
1PCHNV379	13NM001 C
1PCHNV380	13NM001 C



TAG NUMBER

BECHTEL
SPEC/PO

1PCHNV381	13NM001 C
1PCHNV382	13NM001 C
1PCHNV383	13NM001 C
1PCHNV384	13NM001 C
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1PCHNV471	13NM001 C
1PCHNV472	13NM001 C
1PCHNV473	13NM001 C
1PCHNV474	13NM001 C
1PCHNV475	13NM001 C
1PCHNV476	13NM001 C

TAG NUMBER

PECHTEL
SPEC/PO

1PCHNV477	13NM001
1PCHNV478	13NM001 C
1PCHNV479	13NM001
1PCHNV480	13NM001 C
1PCHNV485	13NM001 C
1PCHNV486	13NM001 C
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1PCHNV709	13NM001 C
1PCHNV721	13NM001 C
1PCHNV722	13NM001 C
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1PCHNV730	13NM001 C
1PCHNV740	13NM001A
1PCHNV741	13NM001
1PCHNV742	13NM001
1PCHNV743	13NM001
1PCHNV753	13NM001 C
1PCHNV787	13NM001 C
1PCHNV788	13NM001 C
1PCHNV789	13NM001 C
1PCHNV800	13NM001 C
1PCHNV802	13NM001 C
1PCHNV803	13NM001 C

TAG NUMBER

ECCHEL
SPEC/PO

1PCHNV804	13NM001 C
1PCHNV805	13NM001 C
1PCHNV807	13NM001 C
1PCHNV808	13NM001 C
1PCHNV809	13NM001 C
1PCHNV810	13NM001 C
1PCHNV812	13NM001 C
1PCHNV813	13NM001 C
1PCHNV814	13NM001 C
1PCHNV815	13NM001 C
1PCHNV816	13NM001 C
1PCHNV818	13NM001 C
1PCHNV819	13NM001 C
1PCHNV821	13NM001 C
1PCHNV822	13NM001 C
1PCHNV823	13NM001 C
1PCHNV825	13NM001 C
1PCHNV826	13NM001 C
1PCHNV830	13NM001 C
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1PCHNV917	13PM221A
1PCHNV925	13PM221A
1PCHNV928	13PM221A
1PCHNV934	13PM221A
1PCHNV936	13PM221A
1PCHNV946	13PM221A
1PCHNV948	13PM221A
1PCHNV952	13PM221A
1PCHNV953	13PM221A
1PCHNV963	13PM221A



TAG NUMBER

RECHTEL
SPEC/PO

1PCHNV964

13PM221A

1PCHNV965

13PM221A

1PCHNV969

13PM221A

1PCHNV976

13PM231

1PCHNV993

13PM221A

1PCHNV994

13PM221A

1PCHNV997

13PM221A



	TAG NUMBER	DESCRIPTION	6-FIGURE SPEC/PU
4	1JCHAH5 0205	REGEN HX TO AUX SPRAY--CR	J-200
5	1JCHAH5 0205-1	REGEN HX TO AUX SPRAY--RS	N-001
6	1JCHAH5 0216	CHARGING PP NO. 1	J-200
7	1JCHAH5 0218A	CHARGING PP NO. 3	J-200
8	1JCHAH5 0506	RCP BLEED-OFF TO VCT ISOL	J-200
9	1JCHAH5 0506-1	RCP BLEED-OFF TO VCT ISOL--RS	N-001
10	1JCHAH5 0507	RCP BLEED-OFF TO RDT	J-200
11	1JCHAH5 0507-1	RCP BLEED-OFF TO RDT--RS	N-001
12	1JCHAH5 0516	LETDOWN TO REGEN HX CNTMT ISOL	J-200
13	1JCHAH5 0516-1	LD TO REGEN HX CNTMT ISOL--RS	N-001
14	1JCHAH5 0531	RWT TO TRAIN A SI	J-200
15	1JCHAH5 0560	REACTOR DRAIN TANK OUTLET ISOL	J-200
16	1JCHAH5 0580	MAKE UP TO REACTOR DRAIN TK	J-200
17	1JCHAHV 0205	REGEN HX TO AUX SPRAY	N-001
18	1JCHAHV 0507	RCP BLEED-OFF TO RDT	N-001
19	1JCHAHV 0531	RWT TO TRAIN A SI	N-001
20	1JCHAHV 0507	RCP BLEED-OFF TO RDT	N-001
21	1JCHALI 0200-1	REFUELING WATER TANK--RS	N-001
22	1JCHALI 0203A	REFUELING WATER TANK	N-001
23	1JCHALT 0200	REFUELING WATER TANK	J-311
24	1JCHALT 0203A	REFUELING WATER TANK	J-311
25	1JCHALY 0200	I/E CONVERTOR	N-001
26	1JCHALY 0200-1	E/E CONVERTOR (ISOL)	N-001
27	1JCHALY 0203A	I/E CONVERTOR	N-001
28	1JCHAPI 0212	CHARGING PUMPS TO REGEN HX	N-001
29	1JCHAPI 0212-1	CHARGING PUMPS TO REGEN HX--RS	N-001
30	1JCHAPSHH0268-2	REACTOR DRAIN TANK	N-001
31	1JCHAPSL 0212	CHARGING PUMPS TO REGEN HX	N-001
32	1JCHAPSL 0216	CHARGING PP NO. 1 SUCTION	N-001
33	1JCHAPSL 0218A	CHARGING PP NO. 3 SUCTION	N-001
34	1JCHAPSL 0246	CHG PP NO 1 LUBE OIL PRESS	N-001
35	1JCHAPSV 0315	CHARGING PP NO. 1 SUCTION	N-001
36	1JCHAPSV 0326	CHARGING PP NO. 1 RECIRC	N-001
37	1JCHAPT 0212	CHARGING PUMPS TO REGEN HX	N-001
38	1JCHAPT 0268	REACTOR DRAIN TANK	N-001
39	1JCHAPY 0212	I/E CONVERTOR	N-001
40	1JCHAPY 0268	I/E CONVERTOR	N-001
41	1JCHAPY 0268-1	E/E CONVERTOR (ISOL)	N-001
42	1JCHAUV 0506	RCP BLEED-OFF TO VCT ISOL	N-001
43	1JCHAUV 0516	LETDOWN TO REGEN HX CNTMT ISOL	N-001
44	1JCHAUV 0560	REACTOR DRAIN TANK OUTLET ISOL	N-001
45	1JCHAUV 0580	MAKE UP TO REACTOR DRAIN TK	N-001
46	1JCHAUY 0506	RCP BLEED-OFF TO VCT ISOL	N-001
47	1JCHAUY 0516	LETDOWN TO REGEN HX CNTMT ISOL	N-001
48	1JCHAUY 0560	REACTOR DRAIN TANK OUTLET ISOL	N-001
49	1JCHAUY 0580	MAKE UP TO REACTOR DRAIN TK	N-001
50	1JCHBFE 0212	CHARGING PUMPS TO REGEN HX	N-001
51	1JCHBFI 0212	CHARGING PUMPS TO REGEN HX	N-001
52	1JCHBFI 0212-1	CHARGING PUMPS TO REGEN HX--RS	N-001
53	1JCHBFSL 0212	CHARGING PUMPS TO REGEN HX	N-001
54	1JCHBFT 0212	CHARGING PUMPS TO REGEN HX	N-001
55	1JCHBFY 0212	I/E CONVERTOR	N-001
56	1JCHBFY 0212-1	SC ROOT CONVERTOR	N-001
57	1JCHBHS 0203	REGEN HX TO AUX SPRAY--CR	J-200

TAG NUMBER	DESCRIPTION	BLCHTEL SPEC/PO
1JCHBHS 0203-1	REGEN HX TO AUX SPRAY--RS	N-001
1JCHBHS 0217	CHARGING PP NO. 2	J-200
1JCHBHS 0218	CHARGING PP NO. 3	J-200
1JCHBHS 0505	RCP BLEED-OFF TO VCT ISOL	J-200
1JCHBHS 0505-1	RCP BLEED-OFF TO VCT ISOL--RS	N-001
1JCHBHS 0515	LETDOWN TO REGEN HX CNTMT ISOL	J-200
1JCHBHS 0515-1	LD TO REGEN HX CNTMT ISOL--RS	N-001
1JCHBHS 0523	REGEN HX TO LETDOWN HX ISOL	J-200
1JCHBHS 0530	RFT TO TRAIN B SI	J-200
1JCHBHS 0561	REACTOR DRAIN TANK OUTLET ISOL	J-200
1JCHBHS 0924	PASS LETDOWN SAMPLE	J-200
1JCHBHV 0203	REGEN HX TO AUX SPRAY	N-001
1JCHBHV 0530	RFT TO TRAIN B SI	N-001
1JCHBHV 0924	VOID TAG CHGD TO UV-924	J-603
1JCHBLI 0201	REFUELING WATER TANK	N-001
1JCHBLI 0201-1	REFUELING WATER TANK--RS	N-001
1JCHBLI 0203B	REFUELING WATER TANK	N-001
1JCHBLSHL0201	REFUELING WATER TANK	N-001
1JCHBLT 0201	REFUELING WATER TANK	N-001
1JCHBLT 0203B	REFUELING WATER TANK	J-311
1JCHPLY 0201	I/E CONVERTOR	N-001
1JCHPLY 0203B	I/E CONVERTOR	N-001
1JCHPSSL 0217	CHARGING PP NO. 2 SUCTION	N-001
1JCHPSSL 0218	CHARGING PP NO. 3 SUCTION	N-001
1JCHPSSL 0247	CRG PP NO 2 LOBE OIL PRESS	N-001
1JCHPSV 0318	CHARGING PP NO. 2 SUCT	N-001
1JCHPSV 0325	CHARGING PP NO. 2 RECIRC	N-001
1JCHETE 0221	REGEN HX TUBE OUTLET	N-001
1JCHETSHR0221-1	REGEN HX TUBE OUTLET	N-001
1JCHETT 0221	REGEN HX TUBE OUTLET	N-001
1JCHETY 0221-1	EYE CONVERTOR (ISOL)	N-001
1JCHBUV 0505	RCP BLEED-OFF TO VCT ISOL	N-001
1JCHBUV 0515	LETDOWN TO REGEN HX CNTMT ISOL	N-001
1JCHBUV 0523	REGEN HX TO LETDOWN HX ISOL	N-001
1JCHBUV 0561	REACTOR DRAIN TANK OUTLET ISOL	N-001
1JCHBUV 0924	PASS LETDOWN SAMPLE	J-603
1JCHBUY 0505	RCP BLEED-OFF TO VCT ISOL	N-001
1JCHBUY 0515	LETDOWN TO REGEN HX CNTMT ISOL	N-001
1JCHBUY 0523	REGEN HX TO LETDOWN HX ISOL	N-001
1JCHBUY 0561	REACTOR DRAIN TANK OUTLET ISOL	N-001
1JCHCLI 0203C	REFUELING WATER TANK	N-001
1JCHCLT 0203C	REFUELING WATER TANK	J-311
1JCHCLY 0203C	I/E CONVERTOR	N-001
1JCHOLI 0203D	REFUELING WATER TANK	N-001
1JCHDLT 0203D	REFUELING WATER TANK	J-311
1JCHOLY 0203D	I/E CONVERTOR	N-001
1JCHEFV 0204	LETDOWN RAD MONITOR	N-001
1JCHEFV 0241	SEAL INJECTION TO RCP 1A	N-001
1JCHEFV 0242	SEAL INJECTION TO RCP 1B	N-001
1JCHEFV 0243	SEAL INJECTION TO RCP 2A	N-001
1JCHEFV 0244	SEAL INJECTION TO RCP 2B	N-001
1JCHEHV 0250	N2 TO PUR FILTER	N-001
1JCHEHV 0255	SEAL INJECTION ISOL	N-001
1JCHEHV 0524	CHARGING PUMPS TO REGEN HX	N-001



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1JCHEHV 0532	RWT TO BORIC ACID MU PUMPS	N-001
1JCHELV 0110P	REGEN HX TO LETDOWN HX	N-001
1JCHELV 0110Q	REGEN HX TO LETDOWN HX	N-001
1JCHEPDT 0240	REGEN HX TO CHARGING LINE	N-001
1JCHEPDV 0240	REGEN HX TO CHARGING LINE	N-001
1JCHEPSL 0248	CHG PP NO 3 LUBE OIL PRESS	N-001
1JCHEPSV 0321	CHARGING PP NO. 3 SUCTION	N-001
1JCHEPSV 0324	CHARGING PP NO. 3 RECIRC	N-001
1JCHEPV 0201P	LETDOWN BACK PRESS VLV	N-001
1JCHEPV 0201Q	LETDOWN BACK PRESS VLV	N-001
1JCHETH 0200	REFUELING WATER TANK	N-001
1JCHETH 0201	REFUELING WATER TANK	N-001
1JCHETH 0229	REGEN HX CHARGING OUTLET	N-001
1JCHEUV 0231P	CHARGING PPS TO SEAL INJECT HX	N-001
1JCHEUV 0500	VOLUME CONTROL TANK INLET	N-001
1JCHEUV 0520	ION EXCHANGER BYPASS	N-001
1JCHEUV 0521	RAD MON & BOROMETER BP	N-001
1JCHEUV 0565	LD TO PRE-HOLDUP IX BYPASS	N-001
1JCHEUV 0566	PRE-HOLDUP IX DISCHARGE	N-001
1JCHNFE 0202	LETDOWN FROM PUR FILTER	N-001
1JCHNFE 0210Y	BORIC ACID MU PP TO VCI	N-001
1JCHNFE 0241	SEAL INJECTION TO RCP 1A	N-001
1JCHNFE 0242	SEAL INJECTION TO RCP 1B	N-001
1JCHNFE 0243	SEAL INJECTION TO RCP 2A	N-001
1JCHNFE 0244	SEAL INJECTION TO RCP 2B	N-001
1JCHNFO 0023	LETDOWN CONTROL VLVS BYPASS	N-001
1JCHNFV 0210X	REACTOR MU WATER PP TO VCI	N-001
1JCHNFV 0210Y	BORIC ACID MU PP TO VCI	N-001
1JCHNHV 0513	VCI TO GAS SURGE HEADER	N-001
1JCHNHV 0526	LETDOWN CONTROL VLVS BYPASS	N-001
1JCHNPCV 0631	N2 TO EGPT DRAIN TANK	N-001
1JCHNPI 0056	CHG PP 1 OIL	N-001
1JCHNPI 0057	CHG PP 2 OIL	N-001
1JCHNPI 0058	CHG PP 3 OIL	N-001
1JCHNPSV 0053	CHG PP 1 OIL	N-001
1JCHNPSV 0054	CHG PP 2 OIL	N-001
1JCHNPSV 0055	CHG PP 3 OIL	N-001
1JCHNPSV 0115	VOLUME CONTROL TANK OUTLET	N-001
1JCHNPSV 0199	RCP CONT BLEED-OFF TO RDT	N-001
1JCHNPSV 0345	REGEN HX TO LETDOWN HX	N-001
1JCHNPSV 0354	PURIFICATION FILTER INLET	N-001
1JCHNPSV 0657	EGPT DRAIN TANK	N-001
1JCHNPSV 0865	SEAL INJECTION HX	N-001
1JCHNTW 0064	REFUELING WATER TANK HEATER	J-556
1JCHNTW 0065	REFUELING WATER TANK HEATER	J-556
1JCHNTW 0071	REFUELING WATER TANK HEATER	J-556
1JCHNTW 0072	REFUELING WATER TANK HEATER	J-556
1JCHNTW 0221	REGEN HX TO LETDOWN HX	N-001
1JCHNTW 0223	LETDOWN HX OUTLET	N-001
1JCHNTW 0224	LD HX TO LD BACK PRESS VLV	N-001
1JCHNTW 0225	VOLUME CONTROL TANK	N-001
1JCHNTW 0231	SEAL INJECTION TO RC PPS	N-001
1JCHNTW 0264	PRE-HOLDUP IX INLET	N-001
1JCHNTW 0269	EGPT DRAIN TANK	N-001



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1JCHNUV 0501	VOLUME CONTROL TANK OUTLET	R-001
1JCHNUV 0510	6A MU PUMPS TO RWT	R-001
1JCHNUV 0512	MAKEUP TO VCT	R-001
1JCHNUV 0514	BORIC ACID MU TO CHRG PUMPS	R-001
1JCHNUV 0527	RWT TO CHRG PPS--BP VCT	R-001
1JCHNUV 0562	RECYCLE DRAIN HOR TO EDT	R-001
1JCHNUV 0563	RCP SUCTION FROM EDT	R-001
1JCHNUV 0564	EQUI DRAIN TANK GAS ANAL	R-001
1JCHNUV 0567	GAS STRIPPER DSCH	R-001
1JCHNXCXV 0202A	EXC FLOW CHK VLV FOR PDIS-202	J-705
1JCHNXCXV 0202B	EXC FLOW CHK VLV FOR PDIS-202	J-705
1JCHNXCXV 0203A	EXC FLOW CHK VLV FOR PDIS-203	J-705
1JCHNXCXV 0203B	EXC FLOW CHK VLV FOR PDIS-203	J-705
1JCHNXCXV 0241A	EXC FLOW CHK VLV FOR PDIS-241	J-705
1JCHNXCXV 0241B	EXC FLOW CHK VLV FOR PDIS-241	J-705
1JCHNXCXV 0258A	EXC FLOW CHK VLV FOR PDIS-258	J-705
1JCHNXCXV 0258B	EXC FLOW CHK VLV FOR PDIS-258	J-705
1JCHNXCXV 0260A	EXC FLOW CHK VLV FOR PDIS-260	J-705
1JCHNXCXV 0260B	EXC FLOW CHK VLV FOR PDIS-260	J-705
1JCHNXCXV 0265A	EXC FLOW CHK VLV FOR PDIS-265	J-705
1JCHNXCXV 0265B	EXC FLOW CHK VLV FOR PDIS-265	J-705



TAG NUMBER	DESCRIPTION	DECHTEL SPEC/PU
10CLEU58	PENETRATION-TEST CONN	13MM500
10CLEU62B	FLOW VERIFICATION PENETRATION	13MM500
10CLEU62C	PRESSURE SENSING PENETRATION	13MM500



TAG NUMBER

BECLTEL
SPEC/PO

1PCLEV002

13PI221C0

1PCLEV003

13PI221C



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TAG NUMBER

DESCRIPTION

ECCHEL
SPEC/PU

1MCPE025

PENETRATION-AIR SAMPLING

J3MM500



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TAG NUMBER

RECDTEL
SPEC/PO

1PCPNV001
1PCPNV002
1PCPNV003
1PCPNV004

13PP221A
13PP221A
13PP221A
13PP221A

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INSTRUMENT - "0" CLASS

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TAG NUMBER	DESCRIPTION	BECHTEL SEC/PO
1JCPAHS 0002	CONTIN PRG RFL MODE IV	J-200
1JCPAHS 0004	CONTIN PRG PWR-ACCESS MODE IV	J-200
1JCPAUV 0002A	CONTIN PRG RFL MODE IV	J-605
1JCPAUV 0002B	CONTIN PRG RFL MODE IV	J-605
1JCPAUV 0004A	CONTIN PRG PWR-ACCESS MODE IV	J-605
1JCPAUV 0004B	CONTIN PRG PWR-ACCESS MODE IV	J-605
1JCPBHS 0003	CONTIN PRG RFL MODE IV	J-200
1JCPBHS 0005	CONTIN PRG PWR-ACCESS MODE IV	J-200
1JCPBUV 0003A	CONTIN PRG RFL MODE IV	J-605
1JCPBUV 0003B	CONTIN PRG RFL MODE IV	J-605
1JCPBUV 0005A	CONTIN PRG PWR-ACCESS MODE IV	J-605
1JCPBUV 0005B	CONTIN PRG PWR-ACCESS MODE IV	J-605



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TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1MCTAF01	TEMPORARY-STARTUP-STRAINER	13PP407
1MCTAP01	CONDENSATE TRANSFER PUMP	13MM093
1MCTBF01	TEMPORARY-STARTUP-STRAINER	13PP407
1MCTBP01	CONDENSATE TRANSFER PUMP	13MM093
1MCTET01	CONDENSATE STORAGE TANK	13CM220
1MCTDF01	Y-TYPE-STRAINER	13PM407
1MCTDF02	Y-TYPE-STRAINER	13PM407

TAG NUMBER

RECTFL
SPEC/PO

1PCTAV015	13PI 221B
1PCTAV016	13PI 221B
1PCTAV017	13PI 221B
1PCTAV018	13PI 221B
1PCTAV023	13PI 221B
1PCTAV028	13PI 221A
1PCTAV030	13PI 221A
1PCTAV033	13PI 221B
1PCTAV037	13PI 221B
1PCTAV043	13PI 221A
1PCTAV044	13PI 221A
1PCTAV050	13PI 221A
1PCTAV051	13PI 221A
1PCTAV053	13PI 221A
1PCTAV056	13PI 221A
1PCTAV059	13PI 221A
1PCTAV060	13PI 221A
1PCTAV061	13PI 221A
1PCTAV062	13PI 221A
1PCTAV063	13PI 221A
1PCTAV068	13PI 221A
1PCTAV070	13PI 221A
1PCTAV071	13PI 221A
1PCTAV080	13PI 221A
1PCTAV086	13PI 221A
1PCTAV090	13PI 221A
1PCTAV091	13PI 221A
1PCTAV092	13PI 221A
1PCTAV093	13PI 221 A
1PCTBV014	13PI 221B
1PCTBV019	13PI 221B
1PCTBV020	13PI 221B
1PCTBV021	13PI 221B
1PCTBV022	13PI 221B
1PCTBV024	13PI 221B
1PCTBV029	13PI 221A
1PCTBV031	13PI 221A
1PCTBV032	13PI 221A
1PCTBV034	13PI 221B
1PCTBV038	13PI 221B
1PCTBV042	13PI 221B
1PCTBV045	13PI 221A
1PCTBV046	13PI 221A
1PCTBV048	13PI 221A
1PCTBV049	13PI 221A
1PCTBV054	13PI 221A
1PCTBV057	13PI 221A
1PCTBV058	13PI 221A
1PCTBV064	13PI 221A
1PCTBV065	13PI 221A
1PCTBV066	13PI 221A
1PCTBV072	13PI 221A
1PCTBV081	13PI 221A
1PCTBV088	13PI 221A



TAG NUMBER

BECHTEL
SPEC/PO

1PCTEV095
1PCTEV009
1PCTEV013
1PCTEV025
1PCTEV035
1PCTEV036
1PCTEV055
1PCTEV111

13PM221A
13PM221B
13PM221A
13PM221A
13PM221A
13PM221A
13PM221B
13PM221C

IN BUSINESS FORM 105

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INSTRUMENT - "Q" CLASS

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TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1JCTAFE 0028	CNDS TRANSFER PP-A TEST	J-425
1JCTAHS 0001	CNDS IK TO AUX FW PP IV CONT	J-200
1JCTAHS 0015	CNDS TRANSFER PP-A CONT	J-200
1JCTAHV 0001	CNDS TK TO AUX FW PP IV	J-605
1JCTAHV 0004	CNDS IK TO AUX FW PP IV	J-200
1JCTALI 0035A	CNDS TK LEVEL	J-111
1JCTALI 0035B	CNDS TK LEVEL	J-111
1JCTALR 0035	CNDS TK LEVEL	J-111
1JCTALSHL0035	CNDS TK NORM OPER LEVELS	J-111
1JCTALT 0035	CNDS TK LEVEL	J-311
1JCTALT 0035	I/E CONVERTOR	J-111
1JCTAXCV 0017	EXC FLOW CHK VLV FOR PI-17	J-705
1JCTAXCV 0018	EXC FLOW CHK VLV FOR PI-18	J-705
1JCTBFE 0029	CNDS TRANSFER PP-B TEST	J-425
1JCTBHS 0004	CNDS IK TO AUX FW PP IV CONT	J-200
1JCTBHS 0016	CNDS TRANSFER PP-B CONT	J-200
1JCTBLI 0036A	CNDS TK LEVEL	J-111
1JCTBLI 0036B	CNDS TK LEVEL	J-111
1JCTBLSHR0036	CNDS TK MAX OPER LEVEL	J-111
1JCTBLSLL0036A	CNDS TK MIN OPER LEVEL	J-111
1JCTBLSLL0036B	CNDS TK EMPTY	J-111
1JCTBLT 0036	CNDS TK LEVEL	J-311
1JCTELY 0036	I/E CONVERTOR	J-111
1JCTETW 0014	CNDS IK TEMP	J-556
1JCTNFO 0019	CNDS TRANSFER PP-A RECIRC	J-093
1JCTNFO 0020	CNDS TRANSFER PP-B RECIRC	J-093



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO	
AMDFEP01	SPARE DL GEN FL OIL XFER PUMP	13MM098	
1MDFAP01	DSL GEN A FUEL OIL BSKT STRNR	13MM210	B
1MDFAP01A	DSL GEN A FUEL OIL BSKT STRNR	13MM210	B
1MDFAP01R	DSL GEN A FUEL OIL BSKT STRNR	13MM210	B
1MDFAP01	DIESEL GEN FUEL OIL XFER PUMP	13MM098	B
1MDFAT01	DIESEL GEN FUEL OIL STG TANK	13MM105	
1MDFAT02	DSL GEN A FUEL OIL DAY Tnk	13MM018	
1MDFBF01A	DSL GEN B FUEL OIL BSKT STRNR	13MM210	B
1MDFBF01B	DSL GEN B FUEL OIL BSKT STRNR	13MM210	B
1MDFEP01	DIESEL GEN FUEL OIL XFER PUMP	13MM098	B
1MDFBT01	DIESEL GEN FUEL OIL STG TANK	13MM105	
1MDFBT02	DSL GEN B FUEL OIL DAY Tnk	13MM018	

TAG NUMBER

BRCHTEL
SPEC/PO

1PDFAV003	13PM221A
1PDFAV007	13PM221A
1PDFAV008	13PM221A
1PDFAV009	13PM221A
1PDFAV012	13PM221A
1PDFAV013	13PM221A
1PDFAV014	13PM221A
1PDFAV015	13PM221A
1PDFAV041	13PM221A
1PDFAV042	13PM221A
1PDFAV044	13PM221A
1PDFAV045	13PM221A
1PDFAV062	13PM221A
1PDFAV067	13PM221A
1PDFAV069	13PM221A
1PDFAV078	13PM221B
1PDFAV081	13PM221A
1PDFAV082	13PM221A
1PDFAV083	13PM221A
1PDFAV084	13PM221A
1PDFAV085	13PM221A
1PDFAV086	13PM221A
1PDFAV089	13PM221A
1PDFAV093	13PM221A
1PDFAV094	13PM221A
1PDFAV095	13PM221A
1PDFAV096	13PM221A
1PDFAV097	13PM221A
1PDFAV098	13PM221A
1PDFAV103	13PM221A
1PDFBV018	13PM221A
1PDFBV019	13PM221A
1PDFBV020	13PM221A
1PDFBV021	13PM221A
1PDFBV028	13PM221A
1PDFBV029	13PM221A
1PDFBV030	13PM221A
1PDFBV032	13PM221A
1PDFBV051	13PM221A
1PDFBV052	13PM221A
1PDFBV054	13PM221B
1PDFBV058	13PM221A
1PDFBV059	13PM221A
1PDFBV064	13PM221A
1PDFBV068	13PM221A
1PDFBV069	13PM221A
1PDFBV077	13PM221A
1PDFBV079	13PM221B
1PDFBV080	13PM221C
1PDFBV085	13PM221A
1PDFBV086	13PM221A
1PDFBV087	13PM221A
1PDFBV088	13PM221A
1PDFBV090	13PM221A



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TAG NUMBER

BECHTEL
SPEC/PO

1PDFBV091

13PM221A

1PDFBV092

13PM221A

1PDFBV099

13PM221A

1PDFRV100

13PM221A

1PDFRV101

13PM221A

1PDFRV102

13PM221A



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INSTRUMENT - "G" CLASS

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TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1JDFAFE 0009	OG A FC FLOW TO DAY TANK	J-425
1JDFAFS 0021A	OG A FC PUMP P01(LOCAL PNL)	J-018
1JDFAFS 0021B	OG A FC PUMP P01(CONTROL RM)	J-200
1JDFAXCV 0013A	EXC FLOW CHK VLV FOR PDIS-13	J-705
1JDFAXCV 0013B	EXC FLOW CHK VLV FOR PDIS-13	J-705
1JDFAXCV 0017	EXC FLOW CHK VLV FOR P1-17	J-705
1JDFBFE 0010	OG B FC FLOW TO DAY TANK	J-425
1JDFBFS 0022A	OG B FC PUMP P01(LOCAL PNL)	J-018
1JDFBFS 0022B	OG B FC PUMP P01(CONTROL RM)	J-200
1JDFBXCVC 0014A	EXC FLOW CHK VLV FOR PDIS-14	J-705
1JDFBXCVC 0014B	EXC FLOW CHK VLV FOR PDIS-14	J-705
1JDFBXCVC 0018	EXC FLOW CHK VLV FOR P1-18	J-705

A	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1	1JUGAB01	ENG CNTRL PNL-DSL GEN A	13MM018
2	1JUGAB02	GEN CNTRL PNL-DSL GEN A	13MM018
3	1JUGAB03	HIGH VLTG CNTRL PNL-DSL GEN A	13MM018
4	1JUGAB04	RATIO/RELAY PANEL-DSL GEN A	13MM018
5	1JUGBB01	ENG CNTRL PNL-DSL GEN B	13MM018
6	1JUGBB02	GEN CNTRL PNL-DSL GEN B	13MM018
7	1JUGBB03	HIGH VLTG CNTRL PNL-DSL GEN B	13MM018
8	1JUGBB04	RATIO/RELAY PANEL-DSL GEN B	13MM018
9	1MDGAC03	TURBOCHARGER	13MM018
10	1MDGAE01A	AIR INTERCOOLERS/HEATERS	13MM018
11	1MDGAE01B	AIR INTERCOOLERS/HEATERS	13MM018
12	1MDGAE02	GOVERNOR OIL COOLER	13MM018
13	1MDGAE03	FUEL OIL COOLER	13MM018
14	1MDGAE04	LUBE OIL COOLER	13MM018
15	1MDGAE05	JACKET WATER COOLER	13MM018
16	1MDGAF03	DSL GEN A AIR INTAKE FILTER	13MM018
17	1MDGAF04	DSL GEN A AIR INTAKE SILENCER	13MM018
18	1MDGAF05	DSL GEN A EXHAUST SILENCER	13MM018
19	1MDGAF06A	DSL GEN A STARTING AIR FLTR A	13MM018
20	1MDGAF06B	DSL GEN A STARTING AIR FLTR B	13MM018
21	1MDGAF07	DSL GEN A L.O. SUMP STRAINER	13MM018
22	1MDGAF08	DEL GEN A LO FILTER	13MM018
23	1MDGAF09A	DEL GEN A LO STRAINER A	13MM018
24	1MDGAF09B	DEL GEN A LO STRAINER B	13MM018
25	1MDGAF10A	DEL GEN A TURBO BRGS LO FLTR A	13MM018
26	1MDGAF10B	DEL GEN A TURBO BRGS LO FLTR B	13MM018
27	1MDGAF11A	DEL GEN A FO SUCT STRAINER A	13MM018
28	1MDGAF11B	DEL GEN A FO SUCT STRAINER B	13MM018
29	1MDGAF12A	DEL GEN A FO DISCH FILTER A	13MM018
30	1MDGAF12B	DEL GEN A FO DISCH FILTER B	13MM018
31	1MDGAP01	DIESEL GENERATOR A	13MM018
32	1MDGAP01	DSL GEN A JACKET WTR CIRC HTR	13MM018
33	1MDGAP02	DSL GEN A LO CIRC HEATER	13MM018
34	1MDGAP01	DSL GEN A JACKET WTR CIRC PUMP	13MM018
35	1MDGAP02	DEL GEN ENG DR JACKET WTR PUMP	13MM018
36	1MDGAP03	DEL GEN ENG DR LO PUMP	13MM018
37	1MDGAP04	DSL GEN A LO CIRC PUMP	13MM018
38	1MDGAP05	DEL GEN ENG DR FO BOOSTER PUMP	13MM018
39	1MDGAX01A	DSL GEN A STARTING AIR RCVR A	13MM018
40	1MDGAX01B	DSL GEN A STARTING AIR RCVR B	13MM018
41	1MDGAY01	COMB AIR INTAKE EXPANSION JT	13MM018
42	1MDGAY02	EXHAUST EXP JNT ENGINE MOUNTED	13MM018
43	1MDGAY03	EXP JNT ENGINE EXHAUST	13MM018
44	1MDGAY04	EXHAUST EXP JNT	13MM018
45	1MDGAY11	EXP JNT ENGINE CLNG WTR RETURN	13MM018
46	1MDGAY12	EXP JNT CLNG WTR PUMP SUCTION	13MM018
47	1MDGAY13	EXP JNT CLAG WTR PMP DISCHARGE	13MM018
48	1MDGAY14	EXP JNT ENGINE CLNG WTR SUPPLY	13MM018
49	1MDGAY15	EXP JNT WARMUP PMP DISCHARGE	13MM018
50	1MDGAY18	EXP JOINT TURBO CLR OUTLET HDR	13MM018
51	1MDGAY19	EXP JOINT TURBO COOLER SUPPLY	13MM018
52	1MDGAY20	EXP JNT ENGINE LUBE OIL SUPPLY	13MM018
53	1MDGAY21	EXP JNT LUBE OIL PMP DISCHARGE	13MM018
54	1MDGAY22	EXP JNT OIL WARMUP PMP SUCTION	13MM018



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TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1MDGAY23	EXP JNT LUBE OIL PUMP SUCTION	13MM018
1MDGAY24	EXP JOINT TURBO COOLER OUTLET	13MM018
1MDGAY25	FLEX METAL HOSE TURNING GEAR	13MM018
1MDGBC03	TURBOCHARGER	13MM018
1MDGBE01A	AIR INTERCOOLERS/HEATERS	13MM018
1MDGBE01B	AIR INTERCOOLERS/HEATERS	13MM018
1MDGBE02	GOVERNOR OIL COOLER	13MM018
1MDGBE03	FUEL OIL COOLER	13MM018
1MDGBE04	LUBE OIL COOLER	13MM018
1MDGBE05	JACKET WATER COOLER	13MM018
1MDGBF03	DSL GEN B AIR INTAKE FILTER	13MM018
1MDGBF04	DSL GEN B AIR INTAKE SILENCER	13MM018
1MDGBF05	DSL GEN B EXHAUST SILENCER	13MM018
1MDGBF06A	DSL GEN B STARTING AIR FLTR A	13MM018
1MDGBF06B	DSL GEN B STARTING AIR FLTR B	13MM018
1MDGBF07	DSL GEN B L.O. SUMP STRAINER	13MM018
1MDGBF08	DEL GEN B LO FILTER	13MM018
1MDGBF09A	DEL GEN B LO STRAINER A	13MM018
1MDGBF09B	DEL GEN B LO STRAINER B	13MM018
1MDGBF10A	DEL GEN B TURBO BRGS LO FLTR A	13MM018
1MDGBF10B	DEL GEN B TURBO BRGS LO FLTR B	13MM018
1MDGBF11A	DEL GEN B FO SUCT STRAINER A	13MM018
1MDGBF11B	DEL GEN B FO SUCT STRAINER B	13MM018
1MDGBF12A	DEL GEN B FO DISCH FILTER A	13MM018
1MDGBF12B	DEL GEN B FO DISCH FILTER B	13MM018
1MDGEH01	DIESEL GENERATOR B	13MM018
1MDGBM01	DSL GEN B JACKET WTR CIRC HTR	13MM018
1MDGBM02	DSL GEN B LO CIRC HEATER	13MM018
1MDGBP01	DSL GEN B JACKET WTR CIRC PUMP	13MM018
1MDGBP02	DEL GEN ENG DR JACKET WTR PUMP	13MM018
1MDGBP03	DEL GEN ENG DR LO PUMP	13MM018
1MDGBP04	DSL GEN B LO CIRC PUMP	13MM018
1MDGBP05	DEL GEN ENG DR FO BOOSTER PUMP	13MM018
1MDGBX01A	DSL GEN A STARTING AIR RCVR A	13MM018
1MDGBX01B	DSL GEN A STARTING AIR RCVR B	13MM018
1MDGBY01	COMB AIR INTAKE EXPANSION JT	13MM018
1MDGBY02	EXHAUST EXP JNT ENGINE MOUNTED	13MM018
1MDGBY03	EXP JNT ENGINE EXHAUST	13MM018
1MDGBY04	EXHAUST EXP JNT	13MM018
1MDGBY11	EXP JNT ENGINE CLNG WTR RETURN	13MM018
1MDGBY12	EXP JNT CLNG WTR PMP SUCTION	13MM018
1MDGBY13	EXP JNT CLNG WTR PMP DISCHARGE	13MM018
1MDGBY14	EXP JNT ENGINE CLNG WTR SUPPLY	13MM018
1MDGBY18	EXP JOINT TURBO CLR OUTLET HDR	13MM018
1MDGBY19	EXP JOINT TURBO COOLER SUPPLY	13MM018
1MDGBY20	EXP JNT ENGINE LUBE OIL SUPPLY	13MM018
1MDGBY21	EXP JNT LUBE OIL PMP DISCHARGE	13MM018
1MDGBY22	EXP JNT OIL WARMUP PMP SUCTION	13MM018
1MDGBY23	EXP JNT LUBE OIL PUMP SUCTION	13MM018
1MDGBY24	EXP JOINT TURBO COOLER OUTLET	13MM018
1MDGBY25	FLEX METAL HOSE TURNING GEAR	13MM018

TAG NUMBER

RECI TEL
SPEC/PO

1PDGAV001	13PF221A
1PDGAV002	13PF221A
1PDGAV003	13PF221A
1PDGAV004	13PF221A
1PDGAV006	13PF221A
1PDGAV007	13PF221A
1PDGAV019	13PF221A
1PDGAV024	13PF221A
1PDGAV038	13PF221B
1PDGAV041	13PF221B
1PDGAV046	13PF221A
1PDGAV048	13PF221A
1PDGAV054	13PF221A
1PDGAV057	13PF221A
1PDGAV058	13PF221A
1PDGAV061	13PF221A
1PDGAV063	13PF221A
1PDGAV066	13PF221A
1PDGAV067	13PF221A
1PDGAV068	13PF221A
1PDGAV069	13PF221A
1PDGAV070	13PF221A
1PDGAV071	13PF221A
1PDGAV074	13PF221A
1PDGAV075	13PF221A
1PDGAV078	13PF221A
1PDGAV084	13PF221A
1PDGAV317	13MF018
1PDGAV318	13MF018
1PDGAV356	13MF018
1PDGAV357	13MF018
1PDGAV358	13MF018
1PDGAV359	13MF018
1PDGAV362	13MF018
1PDGAV363	13MF018
1PDGAV364	13MF018
1PDGAV369	13MF018
1PDGAV370	13MF018
1PDGAV371	13MF018
1PDGAV374	13MF018
1PDGAV384	13MF018
1PDGAV385	13MF018
1PDGAV394	13MF018
1PDGAV395	13MF018
1PDGAV010	13PF221A
1PDGAV011	13PF221A
1PDGAV012	13PF221A
1PDGAV013	13PF221A
1PDGAV015	13PF221A
1PDGAV016	13PF221A
1PDGAV018	13PF221A
1PDGAV025	13PF221A
1PDGAV047	13PF221A
1PDGAV049	13PF221A

TAG NUMBER

BECHTEL
SPEC/PO

1PDGBV050	13PM221B
1PDGBV051	13PM221B
1PDGBV053	13PM221A
1PDGBV055	13PM221A
1PDGBV056	13PM221A
1PDGBV059	13PM221A
1PDGBV062	13PM221A
1PDGBV064	13PM221A
1PDGBV065	13PM221A
1PDGBV068	13PM221A
1PDGBV069	13PM221A
1PDGBV072	13PM221A
1PDGBV073	13PM221A
1PDGBV076	13PM221A
1PDGBV077	13PM221A
1PDGBV079	13PM221A
1PDGBV085	13PM221A
1PDGBV411	13MM018
1PDGBV418	13MM018
1PDGBV457	13MM018
1PDGBV458	13MM018
1PDGBV459	13MM018
1PDGBV460	13MM018
1PDGBV462	13MM018
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1PDGBV464	13MM018
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1PDGBV469	13MM018
1PDGBV470	13MM018
1PDGBV471	13MM018
1PDGBV474	13MM018
1PDGBV484	13MM018
1PDGBV485	13MM018
1PDGBV494	13MM018
1PDGBV495	13MM018
1PDGBV499	13MM018
1PDGNV052	13PM221A
1PDGNV053	13PM221A
1PDGNV056	13PM221A
1PDGNV057	13PM221A
1PDGNV374	13MM018
1PDGNV384	13MM018
1PDGNV385	13MM018
1PDGNV394	13MM018
1PDGNV395	13MM018
1PDGNV474	13MM018
1PDGNV484	13MM018
1PDGNV485	13MM018
1PDGNV494	13MM018
1PDGNV495	13MM018
1PDGNV500	13MM018
1PDGNV502	13MM018
1PDGNV600	13MM018
1PDGNV602	13MM018



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1J0GAFV 0015	DG A CRANKING AIR VLV RIGHT BK	M-018
1J0GAMCV 0009	DG A STARTING AIR RECR A OUT	M-018
1J0GAMCV 0011	DG A STARTING AIR RECR B OUT	M-018
1J0GAMS 0001	DG A AIR START/STOP CONIL RM	J-200
1J0GAMS 0003	DG A AIR START LOCAL PANEL	M-018
1J0GAMS 0007	DG A MODE CONTROL LOCAL PANEL	M-018
1J0GAMS 0017	DG A LUBE OIL CIRC PUMP	M-018
1J0GAMS 0019	DG A LUBE OIL WARM UP HTR	M-018
1J0GAMS 0021	DG A JACKET WTR CIRC PUMP	M-018
1J0GAMS 0027	DG A JACKET WTR HEATER	M-018
1J0GAMS 0029	DG A EMERG STOP PB(LOCAL PNL)	M-018
1J0GALC 0007	DG A F0 DAY TK LEVEL CONTROL	M-018
1J0GAPSL 0003	DG A LUBE OIL LO PRESS TRIP	M-018
1J0GAPSL 0005	DG A LUBE OIL LO PRESS TRIP	M-018
1J0GAPSL 0009	DG A LUBE OIL LO PRESS TRIP	M-018
1J0GAPSV 0005	DG A START AIR RECEIVER A	M-018
1J0GAPSV 0007	DG A START AIR RECEIVER B	M-018
1J0GAFY 0001	DG A ENGINE LUBE OIL PRESS	M-018
1J0GAPY 0003	DG A FUEL OIL PRES AFTER FLTR	M-018
1J0GAPY 0005	DG A TURBO LUBE OIL PRESS	M-018
1J0GAPY 0007	DG A JACKET WTR PRES ENG INLT	M-018
1J0GASC 0001	DG A GOV ACTUATOR EL SPEED CTL	M-018
1J0GASSH 0003	DG A OVERSPEED COMB AIR TRIP 1	M-018
1J0GASSH 0005	DG A OVERSPEED COMB AIR TRIP 2	M-018
1J0GAST 0001	DG A ENG SPEED MAG PICKUP # 1	M-018
1J0GAST 0003	DG A ENG SPEED MAG PICKUP # 2	M-018
1J0GAUV 0001	DG A COOL WTR SURGE TK	J-603
1J0GAUV 0003	DG A STARTING AIR RIGHT BK # 2	M-018
1J0GAUV 0005	DG A STARTING AIR LEFT BK # 1	M-018
1J0GAUV 0007	DG A STARTING AIR LEFT BK # 2	M-018
1J0GAUV 0009	DG A EMERG MODE FUEL CNTR # 1	M-018
1J0GAUV 0011	DG A EMERG MODE FUEL CNTR # 2	M-018
1J0GAUV 0015	DG A STARTING AIR RIGHT BK # 1	M-018
1J0GAUV 0285	DG A ENGINE VIBRATION TRIP	M-018
1J0GAXCV 0029A	EXC FLOW CHK VLV FOR PI-29	J-705
1J0GAXCV 0029B	EXC FLOW CHK VLV FOR PI-29	J-705
1J0GAZSH 0289	DG A F0 DAY TANK SHUT OFF	F-221A
1J0GBFV 0014	DG B CRANKING AIR VLV LEFT BK	M-018
1J0GBFV 0016	DG B CRANKING AIR VLV RIGHT BK	M-018
1J0GBHCV 0010	DG B STARTING AIR PECR A OUT	M-018
1J0GBHCV 0012	DG B STARTING AIR RECR B OUT	M-018
1J0GBHS 0002	DG B AIR START/STOP CONIL RM	J-200
1J0GBHS 0004	DG B AIR START LOCAL PANEL	M-018
1J0GBHS 0008	DG B MODE CONTROL LOCAL PANEL	M-018
1J0GBHS 0018	DG B LUBE OIL CIRC PUMP	M-018
1J0GBHS 0020	DG B LUBE OIL WARM UP HTR	M-018
1J0GBHS 0022	DG B JACKET WTR CIRC PUMP	M-018
1J0GBHS 0028	DG B JACKET WTR HEATER	M-018
1J0GBHS 0030	DG B EMERG STOP PB(LOCAL PNL)	M-018
1J0GBRLC 0008	DG B F0 DAY TK LEVEL CONTROL	M-018
1J0GBPSL 0004	DG B LUBE OIL LO PRESS TRIP	M-018
1J0GBPSL 0006	DG B LUBE OIL LO PRESS TRIP	M-018
1J0GBPSL 0008	DG B LUBE OIL LO PRESS TRIP	M-018
1J0GBPSL 0010	DG B LUBE OIL LO PRESS TRIP	M-018

TAG NUMBER	DESCRIPTION	DECNTEL SPEC/PU
1JUGBPSV 0006	OG B START AIR RECEIVER A	M-018
1JUGBPSV 0008	OG B START AIR RECEIVER B	M-018
1JUGBPY 0002	OG B ENGINE LUBE OIL PRESS	M-018
1JUGBPY 0004	OG B FUEL OIL PRES AFTER FLTR	M-018
1JUGBPY 0006	OG B TURBO LUBE PRESS	M-018
1JUGBPY 0008	OG B JACKET WTR PRES ENG INLT	M-018
1JUGBSC 0002	OG B GOV ACTUATOR EL SPEED CTL	M-018
1JUGBSSH 0004	OG B OVERSPEED COMB AIR TRIP 1	M-018
1JUGBSSH 0006	OG B OVERSPEED COMB AIR TRIP 2	M-018
1JUGBST 0002	OG B ENG SPEED MAG PICKUP # 1	M-018
1JUGBST 0004	OG B ENG SPEED MAG PICKUP # 2	M-018
1JUGBOV 0002	OG B COOL WTR SURGE TK	J-603
1JUGBOV 0004	OG B STARTING AIR RIGHT BK # 2	M-018
1JUGBOV 0006	OG B STARTING AIR LEFT BK # 1	M-018
1JUGBOV 0008	OG B STARTING AIR LEFT BK # 2	M-018
1JUGBOV 0010	OG B EMERG MODE FUEL CNTR # 1	M-018
1JUGBOV 0012	OG B EMERG MODE FUEL CNTR # 2	M-018
1JUGBOV 0014	OG B TEST MODE TRIP	M-018
1JUGBOV 0016	OG B STARTING AIR RIGHT BK # 1	M-018
1JUGBOV 0286	OG B ENGINE VIBRATION TRIP	M-018
1JUGBXC 0030A	EXC FLOW CHK VLV FOR PI-30	J-705
1JUGBXC 0030B	EXC FLOW CHK VLV FOR PI-30	J-705
1JUGBZSH 0290	OG B FUDAY TANK SHUT OFF	P-221A
1JUGBPI 0051	OG A JACKET WTR ENGINE PRP DIS	M-018
1JUGBPSV 0081	OG A ENG DRIVEN L.O.PP RELIEF	M-018
1JUGBPSV 0082	OG B ENG DRIVEN L.O.PP RELIEF	M-018
1JUGBPSV 0083	OG A L.O.CIRC PUMP RELIEF PRES	M-018
1JUGBPSV 0084	OG B L.O.CIRC PUMP RELIEF PRES	M-018
1JUGBPSV 0085	OG A TURBO FTR INL RELIEF PRES	M-018
1JUGBPSV 0086	OG B TURBO FTR INL RELIEF PRES	M-018
1JUGNTW 0048	OG B JACKET WTR TEMP TO ENGINE	M-018
1JUGNTW 0049	OG A JACKET WTR TEMP FROM ENG	M-018
1JUGNTW 0050	OG B JACKET WTR TEMP FROM ENG	M-018
1JUGNTW 0089	OG A LUBE OIL TEMP TO COOLER	M-018
1JUGNTW 0101	OG A L.O.TEMP TO ENGINE BRGS	M-018
1JUGNTW 0102	OG B L.O.TEMP TO ENGINE BRGS	M-018
1JUGNTW 0103	THERMOWELL FOR TE-103	M-018
1JUGNTW 0104	THERMOWELL FOR TE-104	M-018

TAG NUMBER

DESCRIPTION

BECHTEL
SPEC/PO

1-04-EV06

PENETRATION-DEMIN WATER

134M500

TAG NUMBER

BECHTEL
SPEC/PO

1PDKEV061

13PM221A

1PDKEV062

13PM221A

1PDKEV135

13PM221A

1PDWNV133

13PM221A

1PDWNV134

13PM221A

TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PU
1JECAE01	AUX PWR PNL FOR ECA-E01	13MM723
1JECAE03	CONTROL PNL FOR ECA-E01	13MM723
1JECBE02	AUX PWR PNL FOR ECB-E01	13MM723
1JECBE04	CONTROL PNL FOR ECB-E01	13MM723
1MECAE01	ESSENTIAL CHILLER	13MM723
1MECAF01	ESS CHILL WTR STARTUP STRAINER	13MM093
1MECAP01	ESSEN CHILLED WTR CIRC PUMP	13MM093
1MECAT01	ESSENTIAL CHILLED WTR EXP TANK	13MM105
1MECE01	ESSENTIAL CHILLER	13MM723
1MECSF01	ESS CHILL WTR STARTUP STRAINER	13MM093
1MECEP01	ESSEN CHILLED WTR CIRC PUMP	13MM093
1MECE101	ESSENTIAL CHILLED WTR EXP TANK	13MM105



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TAG NUMBER

HECHTEL
SPEC/PO

1PECAV001	13PM221A
1PECAV002	13PM221B
1PECAV004	13PM221A
1PECAV005	13PM221A
1PECAV006	13PM221A
1PECAV007	13PM221A
1PECAV008	13PM221B
1PECAV009	13PM221A
1PECAV010	13PM221A
1PECAV011	13PM221B
1PECAV012	13PM221A
1PECAV013	13PM221A
1PECAV015	13PM221A
1PECAV016	13PM221A
1PECAV017	13PM221A
1PECAV018	13PM221A
1PECAV019	13PM221B
1PECAV020	13PM221A
1PECAV021	13PM221A
1PECAV022	13PM221A
1PECAV023	13PM221A
1PECAV025	13PM221A
1PECAV026	13PM221A
1PECAV027	13PM221A
1PECAV031	13PM221A
1PECAV033	13PM221A
1PECAV034	13PM221A
1PECAV035	13PM221A
1PECAV037	13PM221A
1PECAV038	13PM221A
1PECAV039	13PM221A
1PECAV040	13PM221A
1PECAV041	13PM221A
1PECAV042	13PM221A
1PECAV043	13PM221A
1PECAV082	13PM221A
1PECAV084	13PM221A
1PECAV085	13PM221A
1PECAV090	13PM221A
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1PECAV098	13PM221A
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1PECAV105	13PM221A
1PECAV106	13PM221A
1PECAV107	13PM221A
1PECAV108	13PM221A
1PECAV109	13PM221A
1PECAV112	13PM221A
1PECAV122	13PM221A
1PECAV123	13PM221A
1PECAV124	13PM221A
1PECAV125	13PM221A
1PECAV134	13PM221A



TAG NUMBER

BECHTEL
SPEC/PO

1PECAV140	13PM221A
1PECAV141	13PM221A
1PECAV142	13PM221A
1PECAV144	13PM221A
1PECAV145	13PM221A
1PECAV146	13PM221A
1PECAV152	13PM221A
1PECAV162	13PM221A
1PECAV163	13PM221A
1PECAV166	13PM221A
1PECAV171	13PM221A
1PECAV172	13PM221A
1PECAV173	13PM221A
1PECAV174	13PM221A
1PECAV184	13PM221A
1PECAV185	13PM221A
1PECAV186	13PM221A
1PECAV187	13PM221A
1PECAV188	13PM221A
1PECAV189	13PM221A
1PECAV192	13PM221A
1PECAV193	13PM221A
1PECAV198	13PM221A
1PECAV199	13PM221A
1PECAV200	13PM221A
1PECAV201	13PM221B
1PECAV202	13PM221B
1PECAV203	13PM221A
1PECAV204	13PM221A
1PECAV205	13PM221A
1PECAV206	13PM221A
1PECAV207	13PM221A
1PECAV209	13PM221A
1PECAV210	13PM221A
1PECAV211	13PM221A
1PECAV212	13PM221A
1PECAV218	13PM221C
1PECAV219	13PM221C
1PECAV220	13PM221C
1PECAV230	13PM221C
1PECAV231	13PM221C
1PECAV300	13MM723
1PECAV301	
1PECAV302	
1PECAV303A	
1PECAV3043B	
1PECAV305	
1PECAV306	do
1PECAV307	
1PECAV308	
1PECAV309	
1PECAV310	
1PECAV311	
1PECAV312	13MM723

TAG NUMBER

RECHTEL
SPEC/PO

1PEC4V313	13MM723
1PEC4V314	
1PEC4V315	
1PEC4V316	
1PEC4V317	
1PEC4V318	
1PEC4V319	00
1PEC4V320	
1PEC4V321	
1PEC4V322	
1PEC4V323	
1PEC4V324	
1PEC4V325	
1PEC4V326	13MM723
1PECBV028	13PM221A
1PECBV029	13PM221A
1PECBV030	13PM221A
1PECBV037	13PM221A
1PECBV045	13PM221B
1PECBV046	13PM221B
1PECBV047	13PM221A
1PECBV048	13PM221A
1PECBV049	13PM221A
1PECBV050	13PM221A
1PECBV051	13PM221A
1PECBV052	13PM221A
1PECBV053	13PM221A
1PECBV054	13PM221A
1PECBV055	13PM221A
1PECBV056	13PM221A
1PECBV057	13PM221B
1PECBV058	13PM221B
1PECBV059	13PM221A
1PECBV060	13PM221A
1PECBV061	13PM221A
1PECBV062	13PM221A
1PECBV063	13PM221A
1PECBV064	13PM221A
1PECBV065	13PM221B
1PECBV066	13PM221A
1PECBV068	13PM221B
1PECBV069	13PM221A
1PECBV070	13PM221A
1PECBV071	13PM221A
1PECBV072	13PM221A
1PECBV073	13PM221A
1PECBV074	13PM221A
1PECBV075	13PM221A
1PECBV076	13PM221A
1PECBV077	13PM221A
1PECBV078	13PM221A
1PECBV079	13PM221A
1PECBV080	13PM221A
1PECBV081	13PM221A



TAG NUMBER

BECHTEL
SPEC/PO

1PECBV083	13PM221A
1PECBV101	13PM221A
1PECBV102	13PM221A
1PECBV104	13PM221A
1PECBV113	13PM221A
1PECBV114	13PM221A
1PECBV115	13PM221A
1PECBV116	13PM221A
1PECBV117	13PM221A
1PECBV118	13PM221A
1PECBV121	13PM221A
1PECBV126	13PM221A
1PECBV127	13PM221A
1PECBV128	13PM221A
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1PECBV130	13PM221A
1PECBV131	13PM221A
1PECBV135	13PM221A
1PECBV143	13PM221A
1PECBV147	13PM221A
1PECBV148	13PM221A
1PECBV149	13PM221A
1PECBV155	13PM221A
1PECBV160	13PM221A
1PECBV161	13PM221A
1PECBV166	13PM221A
1PECBV167	13PM221A
1PECBV168	13PM221A
1PECBV169	13PM221A
1PECBV175	13PM221A
1PECBV176	13PM221A
1PECBV177	13PM221A
1PECBV194	13PM221A
1PECBV195	13PM221A
1PECBV208	13PM221A
1PECBV213	13PM221A
1PECBV214	13PM221C
1PECBV215	13PM221A
1PECBV216	13PM221A
1PECBV217	13PM221A
1PECBV221	13PM221A
1PECBV222	13PM221A
1PECBV223	13PM221A
1PECBV228	13PM221C
1PECBV229	13PM221C
1PECBV232	13PM221C
1PECBV233	13PM221C
1PECBV400	13MM723
1PECBV401	
1PECBV402	
1PECBV403A	
1PECBV403B	
1PECBV405	
1PECBV406	13MM723



TAG NUMBER

RECHTEL
SPEC/PO

1PECBV407

13MM723

1PECBV408

1PECBV409

1PECBV410

1PECBV411

1PECBV412

1PECBV413

1PECBV414

1PECBV415

1PECBV416

1PECBV417

1PECBV418

1PECBV419

1PECBV420

1PECBV421

1PECBV422

1PECBV423

1PECBV424

1PECBV425

1PECBV426

1PECNV226

1PECNV227

13MM723

13PM221C

13PM221C



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1JECAPF 0533	ESS CHW A FLOW	J-425
1JECAPG 0545	ESS CHLR A EVAP FILTER-DRYER	M-723
1JECAPF 0127	ESS CHILLED WTR EXP TK A	J-425
1JECAPF 0129	ESS CHILLED WTR EXP TK A	J-425
1JECAPSL 0533	ESS CHW A MINIMUM FLOW	J-111
1JFCAPT 0533	ESS CHW A FLOW	J-311
1JECAPV 0507	ESS CHLR A COMP GUIDE VANE	M-723
1JECAPY 0533A	I/E CONVERTOR	J-111
1JECAPY 0533B	VOID	J-111
1JECAPY 0533C	OUTPUT ISOLATOR	J-111
1JECACHV 0035	ESP SWGR RM AHU-A BYPASS VLV	J-601B
1JECACHV 0041	ELEC PEN RM ACU-A BYPASS VLV	J-601B
1JECACHV 0053	ECW PP RM ACU-A BYPASS VLV	J-601B
1JECACHV 0059	LPSI PP RM ACU-A BYPASS VLV	J-601B
1JECACHV 0065	HPSI PP RM ACU-A BYPASS VLV	J-601B
1JECACHV 0071	CS PP RM ACU-A BYPASS VLV	J-601B
1JECACHV 0115	AUX FW PP RM A ESS ACU	J-601B
1JECACHV 0119	DC EQUIP RM ESS ACU A	J-601B
1JECANS 0001A	ESS CHW PP & CHLR-A CONT	J-200
1JECANS 0527	ESS CHLR A COMP OIL PUMP	M-723
1JECANV 0579	ESS CHLR A PURGE AIR DISCH	M-723
1JECALC 0015	ESS CHW-A EXP TK LEVEL CONT	J-111
1JECALCV 0563A	ESS CHLR A ECONOM REFRIG LEVEL	M-723
1JECALCV 0563B	ESS CHLR A ECONOM REFRIG LEVEL	M-723
1JECALG 0515	ESS CHLR A COMP OIL LEVEL	M-723
1JECALG 0543	ESS CHLR A EVAP REFRIG LEVEL	M-723
1JECALG 0575	ESS CHLR A PURGE WATER LEVEL	M-723
1JECALG 0577	ESS CHLR A PURGE REFRIG LEVEL	M-723
1JECALSL 0015	ESS CHW-A EXP TK LEVEL CONT	J-111
1JECALI 0015	ESS CHLD WTR SURGE TK A LEVEL	J-311
1JECALV 0015	ESS CHW-A EXP TK LEVEL CONT	J-603
1JECALY 0015A	ESS CHLD WTR SURGE TK A LEVEL	J-111
1JECALY 0015B	ESS CHLD WTR SURGE TK A LEVEL	J-111
1JECAPPI 0509	ESS CHLR A COMP OIL DIFF PRESS	M-723
1JECAPI 0535	ESS CHLR A EVAP REFRIG PRESS	M-723
1JECAPI 0555	ESS CHLR A COND REFRIG PRESS	M-723
1JECAPI 0573	ESS CHLR A PURGE SEPARATOR	M-723
1JECAPISH 0551	ESS CHLR A COND REFRIG PRESS	M-723
1JECAPISL 0501	ESS CHLR A COMP OIL PRESS	M-723
1JECAPSE 0595	ESS CHLR A EVAP	M-723
1JECAPSHL 0569	ESS CHLR A PURGE PRESS	M-723
1JECAPSHL 0571	ESS CHLR A PURGE OPER PRESS	M-723
1JECAPSV 0075	ESS CHW-A EXP TK RELIEF VLV	J-691
1JECAPSV 0095	ESP SWGR RM ESS AHU A O/L	J-691
1JECAPSV 0097	CONT RM ESS AHU A O/L	J-691
1JECAPSV 0099	ELEC PENET RM WEST ESS ACU U/L	J-691
1JECAPSV 0101	ECW PP RM ESS ACU A O/L	J-691
1JECAPSV 0103	CS RM ESS ACU A O/L	J-691
1JECAPSV 0105	HPSI PP RM ESS ACU A U/L	J-691
1JECAPSV 0107	LPSI PP RM ESS ACU A U/L	J-691
1JECAPSV 0117	AUX FW PP RM A ESS ACU	J-691
1JECAPSV 0121	DC EQUIP RM ESS ACU A	J-691
1JFCAPSV 0549A	ESS CHLR A EVAP	M-723
1JFCAPSV 0549B	ESS CHLR A EVAP	M-723

TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PU
1JECAPSV 0565A	ESS CHLR A STOR TK	M-723
1JECAPSV 0565B	ESS CHLR A STOR TK	M-723
1JECAPV 0523	ESS CHLR A COMP ECONOMIZER GAS	M-723
1JECAPV 0525	ESS CHLR A COMP MAIN OIL	M-723
1JECATC 0519	ESS CHLR A COMP HOT GAS BYPASS	M-723
1JECATC 0547	ESS CHLR A EVAP BRINE TEMP	M-723
1JECATE 0547	ESS CHLR A EVAP BRINE TEMP	M-723
1JECATI 0511	ESS CHLR A COMP OIL RESV TEMP	M-723
1JECATI 0513	ESS CHLR A COMP THRUST BRG TEM	M-723
1JECATI 0541A	ESS CHLR A EVAP LEAVING WATER	M-723
1JECATI 0541B	COMP A WATER NOZZLE	M-723
1JECATI 0561A	ESS CHLR A COND LEAVING WATER	M-723
1JECATI 0561B	ESS CHLR A COND LEAVING WATER	M-723
1JECATS 0517	ESS CHLR A COMP OIL HTR TEMP	M-723
1JECATS 0529	ESS CHLR A EVAP REFRIG LO TEMP	M-723
1JECATS 0531	ESS CHLR A EVAP WATER LO TEMP	M-725
1JECATSH 0503	ESS CHLR A MOTOR STATOR TEMP	M-723
1JECATSHL0593	ESS CHLR A REFRIG DISCH TEMP	M-723
1JECATI 0503A	ESS CHLR A MOTOR END TURN TEMP	M-723
1JECATI 0503B	ESS CHLR A SLUT TEMP SENSOR	M-723
1JECATI 0505	ESS CHLR A THRST BRG OIL TEMP	M-723
1JECATI 0593	ESS CHLR A REFRIG DISCH TEMP	M-723
1JECATV 0029	CON RM ESS AHU-A CHW TEMP CONT	J-6018
1JECATV 0519	ESS CHLR A COMP HOT GAS BYPASS	M-723
1JECATW 0005	THERMOWELL FOR TI-5	J-556
1JECATW 0007	THERMOWELL FOR TI-7	J-556
1JECATW 0011	THERMOWELL FOR TI-11	J-556
1JECATW 0025	THERMOWELL FOR TI-25	J-556
1JECATW 0027	THERMOWELL FOR TI-27	J-556
1JECATW 0031	THERMOWELL FOR TI-31	J-556
1JECATW 0033	THERMOWELL FOR TI-33	J-556
1JECATW 0037	THERMOWELL FOR TI-37	J-556
1JECATW 0039	ELEC PEN RM ACU-A CHW OUT TEMP	J-556
1JECATW 0049	THERMOWELL FOR TI-49	J-556
1JECATW 0051	ECW PP RM ACU-A CHW OUT TEMP	J-556
1JECATW 0055	THERMOWELL FOR TI-55	J-556
1JECATW 0057	LPSI PP RM ACU-A CHW OUT TEMP	J-556
1JECATW 0061	HPSI PP RM ACU-A CHW I/L TEMP	J-556
1JECATW 0063	HPSI PP RM ACU-A CHW OUT TEMP	J-556
1JECATW 0067	THERMOWELL FOR TI-67	J-556
1JECATW 0069	CS PP RM ACU-A CHW OUT TEMP	J-556
1JECATW 0111	AUX FW PP RM A ESS ACU I/L	J-556
1JECATW 0113	AUX FW PP RM A ESS ACU O/L	J-556
1JECATW 0123	DC EQUIP RM ESS ACU A O/L	J-556
1JECATW 0125	DC EQUIP RM ESS ACU A I/L	J-556
1JECATW 0539	ESS CHLR A EVAP REFRIG TEMP	M-723
1JECATW 0541A	ESS CHLR A EVAP LEAVING WATER	M-723
1JECATW 0541B	COMP A WATER NOZZLE	M-723
1JECATW 0547	ESS CHLR A EVAP BRINE TEMP	M-723
1JECATW 0559	ESS CHLR A COND TEMP	M-723
1JECATW 0561A	ESS CHLR A COND LEAVING WATER	M-723
1JECATW 0561B	COMP A WATER NOZZLE	M-723
1JECAUSH 0505	ESS CHLR A COMP TEMP/DISPL	M-723
1JECAXCV 0003	EXC FLOW CHK VLV FOR PI-03	J-705



TAG NUMBER	DESCRIPTION	DECHTEL SPEC/PO
1JECAXCV 0015A	EXC FLOW CHK VLV FOR BRIDLE	J-705
1JECAXCV 0015B	EXC FLOW CHK VLV FOR BRIDLE	J-705
1JECAZS 0505	COMPRESSOR A IMP DISPL SW	M-723
1JECAZS 0507	ESS CHLR A COMP GUIDE VANE POS	M-723
1JECBFE 0534	ESS CHW B FLOW	J-425
1JECBFG 0546	ESS CHLR B EVAP FIRYER-DRYER	M-723
1JECBFO 0126	ESS CHILLED WTR EXP TK B	J-425
1JECBFO 0128	ESS CHILLED WTR EXP TK B	J-425
1JECBESL 0534	ESS CHW B MINIMUM FLOW	J-111
1JECBFT 0534	ESS CHW B FLOW	J-311
1JECBFV 0508	ESS CHLR B COMP GUIDE VANE	M-723
1JECBFY 0534A	I/E CONVERTOR	J-111
1JECBFY 0534C	OUTPUT CONVERTOR	J-111
1JECBHCV 0036	ESF SWGR RM AHU-B BYPASS VLV	J-6018
1JECBHCV 0042	ELEC PEN RM ACU-B BYPASS VLV	J-6018
1JECBHCV 0048	AUX FA PP RM ACU-B BYPASS VLV	J-6018
1JECBHCV 0054	ECW PP RM ACU-B BYPASS VLV	J-6018
1JECBHCV 0060	LPSI PP RM ACU-B BYPASS VLV	J-6018
1JECBHCV 0066	HPSI PP RM ACU-B BYPASS VLV	J-6018
1JECBHCV 0072	CS PP RM ACU-B BYPASS VLV	J-6018
1JECBHCV 0118	OC EQUIP RM ESS ACU B	J-6018
1JECBHS 0002A	ESS CHW PP & CHLR-B CONT	J-200
1JECBHS 0528	ESS CHLR B COMP OIL PUMP	M-723
1JECBHV 0580	ESS CHLR B PURGE AIR DISCH	M-723
1JECBLG 0016	ESS CHW-B EXP TK LEVEL CONT	J-111
1JECBLCV 0564A	ESS CHLR B ECONOM REFRIG LEVEL	M-723
1JECBLCV 0564B	ESS CHLR B ECONOM REFRIG LEVEL	M-723
1JECBLG 0516	ESS CHLR B COMP OIL LEVEL	M-723
1JECBLG 0544	ESS CHLR B EVAP REFRIG LEVEL	M-723
1JECBLG 0576	ESS CHLR B PURGE WATER LEVEL	M-723
1JECBLG 0578	ESS CHLR B PURGE REFRIG LEVEL	M-723
1JECBLSLL0016	ESS CHW-B EXP TK LEVEL CONT	J-111
1JECBLT 0016	ESS CHLD WTR SURGE TK B LEVEL	J-311
1JECCLV 0016	ESS CHW-B EXP TK LEVEL CONT	J-603
1JECCLY 0016A	ESS CHLD WTR SURGE TK B LEVEL	J-111
1JECCLY 0016B	ESS CHLD WTR SURGE TK B LEVEL	J-111
1JECBPD1 0510	ESS CHLR B COMP OIL DIFF PRESS	M-723
1JECBPI 0536	ESS CHLR B EVAP REFRIG PRESS	M-723
1JECBPI 0536	ESS CHLR B COND REFRIG PRESS	M-723
1JECBPI 0574	ESS CHLR B PURGE SEPARATOR	M-723
1JECBPISH0552	ESS CHLR B COND REFRIG PRESS	M-723
1JECBPISL0502	ESS CHLR B COMP OIL PRESS	M-723
1JECBPSE 0596	ESS CHLR B EVAP	M-723
1JECPPSHL0570	ESS CHLR B PURGE PRESS	M-723
1JECPPSHL0572	ESS CHLR B PURGE UPER PRESS	M-723
1JECBPSV 0076	ESS CHW-B EXP TK RELIEF VLV	J-691
1JECBPSV 0096	ESF SWGR RM ESS AHU B O/L	J-691
1JECBPSV 0098	CONT RM ESS AHU B O/L	J-691
1JECBPSV 0100	ELEC PENET RM EAST ESS ACU O/L	J-691
1JECBPSV 0102	ECW PP RM ESS ACU B O/L	J-691
1JECBPSV 0104	CS RM ESS ACU B O/L	J-691
1JECBPSV 0106	HPSI PP RM ESS ACU B O/L	J-691
1JECBPSV 0108	LPSI PP RM ESS ACU B O/L	J-691
1JECBPSV 0109	AUX FEED WTR PP RM ESS ACU B	J-691

TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1JECBPSV 0120	DC EQUIP RM ESS ACU B	J-691
1JECBPSV 0550A	ESS CHLR B EVAP	M-723
1JECBPSV 0550B	ESS CHLR B EVAP	M-723
1JECBPSV 0566A	ESS CHLR B STOR TK	M-723
1JECBPSV 0566B	ESS CHLR B STOR TK	M-723
1JECBPV 0524	ESS CHLR B COMP ECONOMIZER GAS	M-723
1JECBPV 0526	ESS CHLR B COMP MAIN OIL	M-723
1JECBTC 0520	ESS CHLR B EVAP INLET WTR TEMP	M-723
1JECBTC 0548	ESS CHLR B EVAP BRINE TEMP	M-723
1JECBTE 0548	ESS CHLR B EVAP BRINE TEMP	M-723
1JECBTI 0504	ESS CHLR B MOTOR STATOR TEMP	M-723
1JECBTI 0512	ESS CHLR B COMP OIL RESV TEMP	M-723
1JECBTI 0514	ESS CHLR B COMP THRUST BRG TEM	M-723
1JECBTI 0542A	ESS CHLR B EVAP LEAVING WATER	M-723
1JECBTI 0542B	COMP A WATER NOZZLE	M-723
1JECBTI 0562A	ESS CHLR B COND LEAVING WATER	M-723
1JECBTI 0562B	ESS CHLR B COND LEAVING WATER	M-723
1JECBTS 0518	ESS CHLR B COMP OIL HIR TEMP	M-723
1JECBTS 0530	ESS CHLR B EVAP REFRIG LO TEMP	M-723
1JECBTS 0532	ESS CHLR B EVAP WATER LO TEMP	M-723
1JECBTSH 0504	ESS CHLR B MOTOR STATOR TEMP	M-723
1JECBTSHL0594	ESS CHLR B REFRIG DISCH TEMP	M-723
1JECBTI 0504A	ESS CHLR B MOTOR END TURN TEMP	M-723
1JECBTI 0504B	ESS CHLR B SLOT TEMP SENSOR	M-723
1JECBTI 0506	ESS CHLR B COMP BRG TEMP	M-723
1JECBTI 0594	ESS CHLR B REFRIG DISCH TEMP	M-723
1JECBTIV 0030	CON RM ESS ACU-B CHW TEMP CONT	J-601B
1JECBTIV 0520	ESS CHLR B COMP HOT GAS BYPASS	M-723
1JECBTW 0006	THERMOWELL FOR TI-6	J-556
1JECBTW 0008	THERMOWELL FOR TI-8	J-556
1JECBTW 0012	THERMOWELL FOR TI-12	J-556
1JECBTW 0026	THERMOWELL FOR TI-26	J-556
1JECBTW 0028	THERMOWELL FOR TI-28	J-556
1JECBTW 0032	THERMOWELL FOR TI-32	J-556
1JECBTW 0034	THERMOWELL FOR TI-34	J-556
1JECBTW 0038	ELEC PEN RM ACU-B CHW I/L TEMP	J-556
1JECBTW 0040	ELEC PEN RM ACU-B CHW OUT TEMP	J-556
1JECBTW 0044	THERMOWELL FOR TI-44	J-556
1JECBTW 0046	THERMOWELL FOR TI-46	J-556
1JECBTW 0050	ECW PP RM ACU-B CHW I/L TEMP	J-556
1JECBTW 0052	ECW PP RM ACU-B CHW OUT TEMP	J-556
1JECBTW 0056	LPSI PP RM ACU-B CHW I/L TEMP	J-556
1JECBTW 0058	LPSI PP RM ACU-B CHW OUT TEMP	J-556
1JECBTW 0062	HPSI PP RM ACU-B CHW I/L TEMP	J-556
1JECBTW 0064	THERMOWELL FOR TI-64	J-556
1JECBTW 0068	CS PP RM ACU-B CHW I/L TEMP	J-556
1JECBTW 0070	CS PP RM ACU-B CHW OUT TEMP	J-556
1JECBTW 0122	DC EQUIP RM ESS ACU B O/L	J-556
1JECBTW 0124	DC EQUIP RM ESS ACU B I/L	J-556
1JECBTW 0540	ESS CHLR B EVAP REFRIG TEMP	M-723
1JECBTW 0542A	ESS CHLR B EVAP LEAVING WATER	M-723
1JECBTW 0542B	COMP B WATER NOZZLE	M-723
1JECBTW 0548	ESS CHLR B EVAP BRINE TEMP	M-723
1JECBTW 0560	ESS CHLR B COND TEMP	M-723



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A1	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
5	1JECBTK 0562A	ESS CHLK B COND LEAVING WATER	M-723
6	1JECBTK 0562B	COMP B WATER NOZZLE	M-723
7	1JECBUSH 0506	ESS CHLK B COMP TEMP/DISPL	M-723
8	1JECBXCVC 0004	EXC FLOW CHK VLV FOR PI-04	J-705
9	1JECBXCVC 0016A	EXC FLOW CHK VLV FOR BRIDLE	J-705
10	1JECBXCVC 0016B	EXC FLOW CHK VLV FOR BRIDLE	J-705
11	1JECBZS 0506	COMPRESSOR B IMP DISPL SW	M-723
12	1JECBZS 0508	ESS CHLK B COMP GUIDE VANE POS	M-723
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TAG NUMBER	DESCRIPTION	ECHTEL SPEC/PU
1MERAE01	ECWS HEAT EXCHANGER	13MM071
1MERAF01	ECWS PUMP STARTUP STRAINER	13MM093
1MERAP01	ECWS PUMP	13MM093
1MERAT01	ECWS SURGE TANK	13MM105
1MERBE01	ECWS HEAT EXCHANGER	13MM071
1MERBF01	ECWS PUMP STARTUP STRAINER	13MM093
1MERBP01	ECWS PUMP	13MM093
1MERBT01	ECWS SURGE TANK	13MM105



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TAG NUMBER

BECHTEL
SPEC/PO

1PEWAV002	13PM221A
1PEWAV005	13PM221A
1PEWAV006	13PM221A
1PEWAV007	13PM221A
1PEWAV011	13PM221A
1PEWAV015	13PM221B
1PEWAV018	13PM221A
1PEWAV020	13PM221A
1PEWAV021	13PM221B
1PEWAV022	13PM221B
1PEWAV051	13PM221A
1PEWAV052	13PM221A
1PEWAV054	13PM221A
1PEWAV071	13PM221A
1PEWAV072	13PM221A
1PEWAV073	13PM221A
1PEWAV076	13PM221A
1PEWAV079	13PM221A
1PEWAV087	13PM221A
1PEWAV088	13PM221A
1PEWAV094	13PM221A
1PEWAV095	13PM221A
1PEWAV098	13PM221A
1PEWAV099	13PM221A
1PEWAV103	13PM221A
1PEWAV104	13PM221A
1PEWAV105	13PM221A
1PEWAV107	13PM221A
1PEWAV110	13PM221A
1PEWAV111	13PM221A
1PEWAV115	13PM221A
1PEWAV117	13PM221A
1PEWAV118	13PM221A
1PEWAV133	13PM221A
1PEWAV144	13PM221A
1PEWAV145	13PM221A
1PEWAV150	13PM221A
1PEWAV154	13PM221A
1PEWAV155	13PM221A
1PEWAV156	13PM221A
1PEWAV157	13PM221A
1PEWAV158	13PM221A
1PEWAV159	13PM221A
1PEWAV160	13PM221A
1PEWAV161	13PM221A
1PEWAV162	13PM221A
1PEWAV163	13PM221A
1PEWAV164	13PM221A
1PEWAV181	13PM221A
1PEWAV204	13PM221A
1PEWAV209	13PM221A
1PEWAV210	13PM221A
1PEWAV211	13PM221A
1PEWAV212	13PM221A

TAG NUMBER

BECHTEL
SPEC/PO

1PEWAV213	13PM221A
1PEWAV214	13PM221A
1PEWAV215	13PM221A
1PEWAV222	13PM221A
1PEWAV223	13PM221A
1PEWAV224	13PM221A
1PEWAV225	13PM221A
1PEWAV231	13PM221A
1PEWAV023	13PM221A
1PEWAV024	13PM221A
1PEWAV026	13PM221A
1PEWAV027	13PM221A
1PEWAV029	13PM221A
1PEWAV031	13PM221A
1PEWAV032	13PM221A
1PEWAV034	13PM221A
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1PEWAV036	13PM221A
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1PEWAV040	13PM221A
1PEWAV043	13PM221A
1PEWAV044	13PM221A
1PEWAV050	13PM221A
1PEWAV069	13PM221A
1PEWAV070	13PM221A
1PEWAV077	13PM221A
1PEWAV078	13PM221A
1PEWAV080	13PM221A
1PEWAV083	13PM221A
1PEWAV084	13PM221A
1PEWAV086	13PM221A
1PEWAV093	13PM221A
1PEWAV108	13PM221A
1PEWAV109	13PM221A
1PEWAV112	13PM221A
1PEWAV116	13PM221A
1PEWAV119	13PM221A
1PEWAV120	13PM221A
1PEWAV134	13PM221A
1PEWAV147	13PM221A
1PEWAV149	13PM221A
1PEWAV152	13PM221A
1PEWAV165	13PM221A
1PEWAV166	13PM221A
1PEWAV167	13PM221A
1PEWAV168	13PM221A
1PEWAV169	13PM221A
1PEWAV170	13PM221A
1PEWAV171	13PM221A
1PEWAV172	13PM221A
1PEWAV173	13PM221A
1PEWAV174	13PM221A



TAG NUMBER

RECHTEL
SPEC/PO

1PEW8V175	13PF221A
1PEW8V185	13PF221A
1PEW8V186	13PF221A
1PEW8V187	13PF221A
1PEW8V205	13PF221A
1PEW8V206	13PF221A
1PEW8V207	13PF221A
1PEW8V208	13PF221A
1PEW8V216	13PF221A
1PEW8V217	13PF221A
1PEW8V218	13PF221A
1PEW8V219	13PF221A
1PEW8V220	13PF221A
1PEW8V221	13PF221A
1PEW8V226	13PF221A
1PEW8V227	13PF221A
1PEW8V228	13PF221A



TAG NUMBER	DESCRIPTION	BRCHTEL SPEC/PU
1JEWAFB 0013	ECW PP A DISCH FLOW	J-425
1JEWAFB 0063	CLG WTR O/L FR ESS CHILLER A	J-425
1JEWAFU 0161	SHUTDOWN HTR A OUTLET	J-425
1JEWAFU 0163	RADIATION MONITOR O/L	J-425
1JEWAFU 0165	RADIATION MONITOR I/L	J-425
1JEWAFSL 0151	ESS CHILLER A O/L FLOW	J-111
1JEWAFU 0151	ESS CHILLER A O/L FLOW	J-311
1JEWAFY 0151A	I/E CONVERTOR	J-111
1JEWAFY 0151C	OUTPUT ISOLATOR	J-111
1JEWAHCV 0005	ECW PP A SUCT	J-605
1JEWAHCV 0041	CLG WTR INLET TO SHUTDOWN HX A	J-605
1JEWAHCV 0053	CLG WTR O/L FR SHUTDOWN HX A	J-605
1JEWAHCV 0067	CROSSTIE TO NCWS FR FP HX A	J-605
1JEWAHCV 0071	ECWS HX A INLET	J-605
1JEWAHCV 0133	ECWS I/L TO FP HX A	J-605
1JEWAHCV 0135	ECWS PP A DISCH VALVE	J-605
1JEWAHS 0001	ECW PP A	J-200
1JEWAHS 0065	CROSSTIE VLV FR NCWS	J-200
1JEWAHS 0145	CROSSTIE VLV TO NCWS	J-200
1JEWALC 0091	ECWS SURGE TK A	J-111
1JEWALSL 0091	ECWS SURGE TK A	J-111
1JEWALT 0091	ESS CLG WTR SURGE TK A LEVEL	J-311
1JEWALV 0091	ECWS SURGE TANK A MAKEUP	J-603
1JEWALY 0091A	ECWS SURGE TK A LEVEL	J-111
1JEWALY 0091B	ECWS SURGE TK A LEVEL	J-111
1JEWAPSV 0047	SHELL SIDE SHUTDOWN HX A RELIEF	J-691
1JEWAPSV 0061	CLG WTR FR ESS CHILLER A	J-691
1JEWAPSV 0079	ECWS HX A SHELL SIDE RELIEF	J-071
1JEWAPSV 0103	ECWS SURGE TANK A RELIEF	J-691
1JEWAPSV 0105	ECWS SURGE TANK A VAC RELIEF	J-691
1JEWATR 0045	CLG WTR INLET TO SHUTDOWN HX A	J-556
1JEWATR 0049	CLG WTR OUTLET FR SHUTDOWN HX A	J-556
1JEWATR 0051	CLG WTR O/L FR SHUTDOWN HX A	J-556
1JEWATR 0057	CLG WTR TO ESS CHILLER A	J-556
1JEWATR 0059	CLG WTR FR ESS CHILLER A	J-556
1JEWATR 0077	ECWS HX A INLET	J-556
1JEWATR 0081	ECWS HX A OUTLET TEMP	J-556
1JEWATR 0083	ECWS PP A OUTLET TEMP	J-556
1JEWAVV 0065	CROSSTIE VLV FR NCWS	J-605
1JEWAVV 0145	CROSSTIE VLV TO NCWS	J-605
1JEWAXCV 0089A	EXC FLOW CHK VLV FOR BRIDLE	J-705
1JEWAXCV 0089B	EXC FLOW CHK VLV FOR BRIDLE	J-705
1JEWBFB 0014	ECW PP B DISCH FLOW	J-425
1JEWBFB 0064	CLG WTR O/L FR ESS CHILLER B	J-425
1JEWBFO 0162	SHUTDOWN HTR B OUTLET	J-425
1JEWBFO 0164	RADIATION MONITOR O/L	J-425
1JEWBFO 0166	RADIATION MONITOR I/L	J-425
1JEWBFSL 0152	ESS CHILLER B O/L FLOW	J-111
1JEWBFT 0152	ESS CHLR B O/L FLOW	J-311
1JEWBFY 0152A	I/E CONVERTOR	J-111
1JEWBFY 0152C	OUTPUT ISOLATOR	J-111
1JEWBHCV 0006	ECW PP B SUCT	J-605
1JEWBHCV 0042	CLG WTR INLET TO SHUTDOWN HX B	J-605
1JEWBHCV 0054	CLG WTR O/L FR SHUTDOWN HX B	J-605



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TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1JEWBHCV 0066	CROSSIE VLV FROM NCWS	J-605
1JEWBHCV 0068	CROSSIE TO NCWS FR FP HX B	J-605
1JEWBHCV 0072	ECWS HX B INLET	J-605
1JEWBHCV 0134	ECWS I/L TO FP HX B	J-605
1JEWBHCV 0136	ECWS PP B DISCH VALVE	J-605
1JEWBHCV 0146	CROSSIE VALVE TO NCWS	J-605
1JEWBHS 0002	ECW PP B	J-200
1JEWPLC 0092	ECWS SURGE TK B	J-111
1JEWBLSL 0092	ECWS SURGE TK B	J-111
1JEWBLT 0092	ESS CLG WTR SURGE TK B LEVEL	J-311
1JEWBLV 0092	ECWS SURGE TANK B MAKEUP	J-603
1JEWELY 0092A	ECWS SURGE TK B LEVEL	J-111
1JEWELY 0092B	ECWS SURGE TK B LEVEL	J-111
1JEWBPSV 0048	SHELL SIDE SHUTDN HX B RELIEF	J-691
1JEWBPSV 0062	CLG WTR FR ESS CHILLER B	J-691
1JEWBPSV 0080	ECWS HX B SHELL SIDE RELIEF	J-071
1JEWBPSV 0104	ECWS SURGE TANK B RELIEF	J-691
1JEWBPSV 0106	ECWS SURGE TANK B VAC RELIEF	J-691
1JEWBTW 0046	CLG WTR INLET TO SHUTDN HX B	J-556
1JEWBTW 0050	CLG WTR OUTLET FR SHUTDN HX B	J-556
1JEWBTW 0052	CLG WTR G/L FR SHUTDN HX B	J-556
1JEWBTW 0058	CLG WTR TO ESS CHILLER B	J-556
1JEWBTW 0060	CLG WTR FR ESS CHILLER B	J-556
1JEWBTW 0078	ECWS HX B INLET	J-556
1JEWBTW 0082	ECWS HX B OUTLET TEMP	J-556
1JEWBTW 0084	ECWS PP B OUTLET TEMP	J-556
1JEWBXCVCV 0090A	EXC FLOW CK VLV FOR BRIDLE	J-705
1JEWBXCVCV 0090B	EXC FLOW CK VLV FOR BRIDLE	J-705



TAG NUMBER

DESCRIPTION

BECHTEL
SPEC/PU

1FFPE007

PENETRATION-FIRE PROTECTION

13M-500

TAG NUMBER

BECHTEL
SPEC/PO

1PFPEV089
1PFPEV090
1PFPNV142
1PFPNV199

13PM221B
13PM221B
13PM221A
13PM221A



TAG NUMBER

DESCRIPTION

PECHTEL
SPEC/PO

1PGAEU29

PENETRATION-NIT SUPPLY

13MM500

1PGAEU30

PENETRATION-NIT SUPPLY

13MM500



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TAG NUMBER

BECHTEL
SPEC/PO

1PGAEV011

13PI 221A

1PGAEV015

13PI 221A

1PGANV026

13PI 221A

1PGANV027

13PI 221A

1PGANV057

13PI 221A

1PGANV061

13PI 221A



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TAG NUMBER

DESCRIPTION

BECHTEL
SPEC/PU

1JGAHHS	0001	N2 TO S1 TKS ISOL VLV	J-200
1JGAHHS	0002	N2 TO SG AND RDT ISOL VLV	J-200
1JGAUV	0001	N2 TO S1 TKS ISOL VLV	P-221C
1JGAUV	0002	N2 TO SG AND RDT ISOL VLV	P-221C
1JGAUY	0001	N2 TO S1 TKS ISOL VLV	P-221C
1JGAUY	0002	N2 TO SG AND RDT ISOL VLV	P-221C



TAG NUMBER

DESCRIPTION

REC'D TEL
SPEC/PU

1MGREU52

PENETRATION-VENT HDR

13MM500



TAG NUMBER

REC-TFL
SPEC/PO1PGRNV097
1PGRNV098
1PGRNV09913PI-221A
13PI-221A
13PI-221A



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TAG NUMBER	DESCRIPTION	REF/TEL SPEC/PO
1JGRHS 0001	ROT/GAS SRGE HDR-INT CONTN ISOL	J-200
1JGRAUV 0001	ROT/GAS SRGE HDR-INT CONTN ISOL	P-221A
1JGRHS 0002	GAS SURGE HDR EXT CONTN ISOL	J-200
1JGRAUV 0002	GAS SURGE HDR EXT CONTN ISOL	P-221C
1JGREUY 0002	GAS SURGE HDR EXT CONTN ISOL	P-221C



TAG NUMBER	DESCRIPTION	ECHTEL SPEC/PU
1MHAAM00 207	FIRE DAMPER	13MM598
1MHAAM00 208	FIRE DAMPER	13MM598
1MHAAM00 209	FIRE DAMPER	13MM598
1MHAAM00 210	FIRE DAMPER	13MM598
1MHAAM00 211	FIRE DAMPER	13MM598
1MHAAM00 212	FIRE DAMPERS	13MM598
1MHAAM00 213	FIRE DAMPERS	13MM598
1MHAAM00 214	MOTORIZED DAMPER	13MM598
1MHAAM00 216	MOTORIZED DAMPER	13MM598
1MHAAM01	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAAM02	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAAM03	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAAM04	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAAM05	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAAM06	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAAM07	FIRE DAMPERS	13MM598
1MHAAM39	FIRE DAMPERS	13MM598
1MHAAZ01	LPSI PUMP ROOM ESSENTIAL ACU	13MM721 A
1MHAAZ02	LPSI PUMP ROOM ESSENTIAL ACU	13MM721 A
1MHAAZ03	CS PUMP ROOM ESSENTIAL ACU	13MM721 A
1MHAAZ04	ESF PUMP ROOM-AUXILIARY PW	13MM721 A
1MHAAZ05	ECW PUMP ROOM ESSEN ACU	13MM721 A
1MHAAZ06	ELEC PEN ROOM ESSEN ACU	13MM721 A
1MHAB00 215	MOTORIZED DAMPER	13MM598
1MHAB00 217	MOTORIZED DAMPER	13MM598
1MHAB01	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAB02	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAB03	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAB04	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAB05	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAB06	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHAB38	FIRE DAMPERS	13MM598
1MHAB40	FIRE DAMPERS	13MM598
1MHABZ01	LPSI PUMP ROOM ESSENTIAL ACU	13MM721 A
1MHABZ02	LPSI PUMP ROOM ESSENTIAL ACU	13MM721 A
1MHABZ03	CS PUMP ROOM ESSENTIAL ACU	13MM721 A
1MHABZ04	AUX PW PUMP ROOM ESSEN ACU PU	13MM721 A
1MHABZ05	ECW PUMP ROOM ESSEN ACU	13MM721 A
1MHABZ06	ELEC PEN ROOM ESSEN ACU	13MM721 A
1MHAB39	FIRE DAMPER	13MM598
1MHAB40	FIRE DAMPER	13MM598



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INSTRUMENT - "G" CLASS

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NO	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
4	1JHAAMS 0112	AUX BLEG LWR LVL EXH ISOL DMPR	J-200
5	1JFAAMS 0114	AUX BLEG LWR LVL ISOL DAMPERS	J-200
6	1JHAAMS 0125	AUX FEED WTR PP RM A FLOOD LVL	J-200
7	1JHAALSH 0125A	AUX FEED WTR PP RM A FLOOD LVL	J-481
8	1JHAALSH 0125B	AUX FEED WTR PP RM B FLOOD LVL	J-481
9	1JHAADY 0112	AUX BLEG LWR LVL EXH ISOL DMPR	R-598
10	1JFAADY 0114	AUX BLEG LWR LVL ISOL DAMPERS	R-598
11	1JHAADY 0125	AUX FEED WTR PP RM A FLOOD LVL	R-598
12	1JHAAMS 0113	AUX BLEG LWR LVL EXH ISOL DMPR	J-200
13	1JHAAMS 0113	AUX BLEG LWR LVL ISOL DAMPERS	J-200
14	1JHAAMS 0126	AUX FEED WTR PP RM B FLOOD LVL	J-200
15	1JHAALSH 0126A	AUX FEED WTR PP RM A FLOOD LVL	J-481
16	1JHAALSH 0126B	AUX FEED WTR PP RM B FLOOD LVL	J-481
17	1JHAADY 0113	AUX BLEG LWR LVL EXH ISOL DMPR	R-598
18	1JFAADY 0115	AUX BLEG LWR LVL ISOL DAMPERS	R-598
19	1JFAADY 0126	AUX FEED WTR PP RM B FLOOD LVL	R-598



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1PHC0253	ELECT PENETRA-SHLD INSTR	13EM035 A
1PHCEU25A	PENETRATION-CONT PRESS	13MM500
1PHCEU25B	PENETRATION-CONT PRESS	13MM500
1PHCEU32	PENETRATION-CONT PRESS	13MM500
1PHCEU54	PENETRATION-CONT PRESS	13MM500
1PHCEU55	PENETRATION-CONT PRESS	13MM500
1PHCEU62	PENETRATION-CONT PRESS	13MM500
1PHCEU62A	PENETRATION-CONT PRESS	13MM500
1PHCEU62B	PENETRATION-CONT PRESS	13MM500
1PHCEU62C	PENETRATION-CONT PRESS	13MM500



TAG NUMBER

ECC-TEL
SPEC/PO

1PHCMV001

13P 221A

1PHCMV002

13P 221A

1PHCMV003

13P 221A



41	TAG NUMBER	DESCRIPTION	ELECTEL SPEC/PO
4	1JHCARS 0045	CONTM ATM RAD MON IV CONT	J-200
5	1JHCARS 0046	CONTM ATM RAD MON IV CONT	J-200
6	1JHCARS 0074	CONTM PRESS TRANSMITTER-A	J-200
7	1JHCAPV 0074	CONTM PRESSURE TRANSMITTER-A	J-603
8	1JHCAP1 0351A	CONTMT PRESS A	N-901
9	1JHCAP1 0352A	CONTMT PRESS A	N-901
10	1JHCAP1 0353A	CONTMT PRESS WIDE RANGE A	J-111
11	1JHCAPR 0353A	CONTMT PRESS WIDE RANGE A	J-111
12	1JHCAPT 0351A	CONTMT PRESS A HI	J-311
13	1JHCAPT 0352A	CONTMT PRESS A	J-311
14	1JHCAPT 0353A	CONTMT PRESS WIDE RANGE A	J-111
15	1JHCAPY 0353A	I/E CONVERTOR	J-111
16	1JHCARDV 0045	CONTM ATM RAD MON IV	J-603
17	1JHCARDV 0046	CONTM ATM RAD MON IV	J-603
18	1JHCARS 0044	CONTM ATM RAD MON IV CONT	J-200
19	1JHCARS 0047	CONTM ATM RAD MON IV CONT	J-200
20	1JHCARS 0075	CONTM PRESS TRANSMITTER-B	J-200
21	1JHCARDV 0075	CONTM PRESSURE TRANSMITTER-B	J-603
22	1JHCAPT 0351B	CONTMT PRESS B	N-901
23	1JHCAPT 0352B	CONTMT PRESS B	N-901
24	1JHCAPT 0353B	CONTMT PRESS WIDE RANGE B	J-111
25	1JHCAPT 0351B	CONTMT PRESS B HI	J-311
26	1JHCAPT 0352B	CONTMT PRESS B	J-311
27	1JHCAPT 0353B	CONTMT PRESS WIDE RANGE B	J-311
28	1JHCAPY 0353B	I/E CONVERTOR	J-111
29	1JHCARDV 0044	CONTM ATM RAD MON IV	J-603
30	1JHCARDV 0047	CONTM ATM RAD MON IV	J-603
31	1JHCARS 0076	CONTM PRESS TRANSMITTER-C	J-200
32	1JHCARDV 0076	CONTM PRESSURE TRANSMITTER-C	J-603
33	1JHCAPT 0351C	CONTMT PRESS C	N-901
34	1JHCAPT 0352C	CONTMT PRESS C	N-901
35	1JHCAPT 0351C	CONTMT PRESS C HI	J-311
36	1JHCAPT 0352C	CONTMT PRESS C	J-311
37	1JHCARS 0077	CONTM PRESS TRANSMITTER-D	J-200
38	1JHCARDV 0077	CONTM PRESSURE TRANSMITTER-D	J-603
39	1JHCAPT 0351D	CONTMT PRESS D	N-901
40	1JHCAPT 0352D	CONTMT PRESS D	N-901
41	1JHCAPT 0351D	CONTMT PRESS D HI	J-311
42	1JHCAPT 0352D	CONTMT PRESS D	J-311
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TAG NUMBER	DESCRIPTION	BEUTEL SPEC/PO
1MHDA01	DIESEL GEN CONT RM ESSEN AHU	13MM721 A
1MHDAJ01	DIESEL GEN RM ESS EXHAUST FAN	13MM598
1MHDAF01	BACK DRAFT DAMPER	13MM598
1MHDAK02	FIRE DAMPER	13MM598
1MHDAK03	FIRE DAMPER	13MM598
1MHDAK05	FIRE DAMPER	13MM598
1MHDBA01	DIESEL GEN CONT RM ESSEN AHU	13MM721 A
1MHDBJ01	DIESEL GEN RM ESS EXHAUST FAN	13MM598
1MHDBF01	BACK DRAFT DAMPER	13MM598
1MHDBK02	FIRE DAMPER	13MM598
1MHDBK03	FIRE DAMPER	13MM598
1MHDBK05	FIRE DAMPER	13MM598



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TAG NUMBER

DESCRIPTION

ECCHEL
SPEC/PO

1JHQAHS 0013

D/G RM-A ESS EXHAUST FAN-A

N-018

1JHQAESH 0029

D/G RM-A TEMP CONT

N-598

1JHQAESH 0017

D/G RM-A CONT EQUIP RM ESS FAN

N-598

1JHQBHS 0014

D/G RM-B ESS EXHAUST FAN-A

N-018

1JHQBESH 0030

D/G RM-B TEMP CONT

N-598

1JHQBESH 0018

D/G RM-B CONT EQUIP RM ESS FAN

N-598



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1MHPAE01	FUEL BLDG ESSEN HEATER	13MM721 8
1MHPAJ01	FUEL AND AUX BLDG EXH ESS AFU	13MM721 8
1MHPAK01	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHPAK02	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHPAK03	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHPAK04	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHPAK05	ELECTRIC LOW-LEAKAGE DAMPER	13MM598
1MHPAK06	ELECTRIC LOW-LEAKAGE DAMPER	13MM598
1MHPAK07	BACK DRAFT DAMPER	13MM598
1MHPAE01	FUEL BLDG ESSEN HEATER	13MM721 8
1MHPAJ01	FUEL AND AUX BLDG EXH ESS AFU	13MM721 8
1MHPAK01	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHPAK02	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHPAK03	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHPAK04	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHPAK05	ELECTRIC LOW-LEAKAGE DAMPER	13MM598
1MHPAK06	ELECTRIC LOW-LEAKAGE DAMPER	13MM598
1MHPAK07	BACK DRAFT DAMPER	13MM598
1MHPAK08	FIRE DAMPER	13MM598



TAG NUMBER

RECHTEL
SPEC/PO1PHFBV005
1PHFBV00613PA 221A
13PA 221A



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1JHFAHS 0026	NORMAL SUPPLY ISOL-TRAIN A	J-200
1JHFAHS 0027	NORMAL EXHAUST ISOL-TRAIN A	J-200
1JHFAHS 0062	ESS EXH AFU A-AUX BLDG EXH	J-200
1JHFAHS 0064	ESS EXH AFU A-FUEL BLDG EXH	J-200
1JHFAPDI 0070	FB NEGATIVE PRES MONITOR	J-111
1JHFAPDSL0070	FB NEGATIVE PRES MONITOR	J-111
1JHFAPDSL0081	ESS EXH AFU A HEPA FILT	F-721B
1JHFAPDI 0070	FB NEGATIVE PRES MONITOR	F-598
1JHFATDI 0073	ESS EXH AFU A CHAR DIFF TEMP	J-111
1JHFATDSH0073	ESS EXH AFU A CHAR DIFF TEMP	J-111
1JHFATDI 0073	ESS EXH AFU A CHAR DIFF TEMP	F-721B
1JHFATDY 0073	I/E CONVERTER	J-111
1JHFATSH 0081	ESS EXH AFU A HEATER TEMP	F-721B
1JHFAUY 0026	NORMAL SUPPLY ISOL-TRAIN A	F-598
1JHFAUY 0027	NORMAL EXHAUST ISOL-TRAIN A	F-598
1JHFBHS 0025	NORMAL SUPPLY ISOL-TRAIN B	J-200
1JHFBHS 0028	NORMAL EXHAUST ISOL-TRAIN B	J-200
1JHFBHS 0063	ESS EXH AFU B-AUX BLDG EXH	J-200
1JHFBHS 0065	ESS EXH AFU B-FUEL BLDG EXH	J-200
1JHFBPDSL0082	ESS EXH AFU B HEPA FILT	F-721B
1JHFBTDI 0074	ESS EXH AFU B CHAR DIFF TEMP	J-111
1JHFBTDSH0074	ESS EXH AFU B CHAR DIFF TEMP	J-111
1JHFBTDI 0074	ESS EXH AFU B CHAR DIFF TEMP	F-721B
1JHFBTDY 0074	I/E CONVERTER	J-111
1JHFBTSH 0082	ESS EXH AFU B HEATER TEMP	F-721B
1JHFBUY 0025	NORMAL SUPPLY ISOL-TRAIN B	F-598
1JHFBUY 0028	NORMAL EXHAUST ISOL-TRAIN B	F-598



TAG NUMBER	DESCRIPTION	BLC/TEL SPEC/PU
1JHJAE01	CHLORINE DETECTOR PANEL	13JM391
1JHJBE01	CHLORINE DETECTOR PANEL	13JM391
1MHJAF04	CONTROL ROOM ESSENTIAL AND	13MM721
1MHJAF06	SOUND ATTENUATOR	13MM598
1MHJAF07	SOUND ATTENUATOR	13MM598
1MHJAF08	SOUND ATTENUATOR	13MM598
1MHJAF09	SOUND ATTENUATOR	13MM598
1MHJAJ01A	CIRCL BLG BATT RM ESSEN EX FAN	13MM598
1MHJAJ01B	CIRCL BLG BATT RM ESSEN EX FAN	13MM598
1MHJAM00 120	FIRE DAMPER	13MM598
1MHJAM00 121	FIRE DAMPER	13MM598
1MHJAM00 122	FIRE DAMPER	13MM598
1MHJAM00 125	FIRE DAMPER	13MM598
1MHJAM00 13A	FIRE DAMPER	13MM598
1MHJAM00 133	FIRE DAMPER	13MM598
1MHJAM00 134	FIRE DAMPER	13MM598
1MHJAM00 140	FIRE DAMPER	13MM598
1MHJAM00 150	FIRE DAMPER	13MM598
1MHJAM00 200	FIRE DAMPER	13MM598
1MHJAM01	PNEUM BUBBLE-TIGHT DAMPER	13MM598
1MHJAM02	DAMPER-MOTOR	13MM598
1MHJAM03	DAMPER-MOTOR	13MM598
1MHJAM04	MANUEL VOLUME DAMPER	13MM598
1MHJAM05	FIRE DAMPER	13MM598
1MHJAM06	FIRE DAMPER	13MM598
1MHJAM07	FIRE DAMPER	13MM598
1MHJAM08	FIRE DAMPER	13MM598
1MHJAM09	FIRE DAMPER	13MM598
1MHJAM10	FIRE DAMPER	13MM598
1MHJAM11	FIRE DAMPER	13MM598
1MHJAM12	FIRE DAMPER	13MM598
1MHJAM13	FIRE DAMPER	13MM598
1MHJAM14	MANUEL VOLUME DAMPER	13MM598
1MHJAM15	PNEUM BUBBLE-TIGHT DAMPER	13MM598
1MHJAM16	PNEUM BUBBLE-TIGHT DAMPER	13MM598
1MHJAM17	BACK DRAFT DAMPER	13MM598
1MHJAM18	FIRE DAMPER	13MM598
1MHJAM19	FIRE DAMPER	13MM598
1MHJAM20	FIRE DAMPER	13MM598
1MHJAM21	FIRE DAMPER	13MM598
1MHJAM22	FIRE DAMPER	13MM598
1MHJAM23	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHJAM24	FIRE DAMPER	13MM598
1MHJAM25	PNEUM LOW-LEAKAGE DAMPER	13MM598
1MHJAM26	FIRE DAMPER	13MM598
1MHJAM27	FIRE DAMPER	13MM598
1MHJAM28	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHJAM29	FIRE DAMPER	13MM598
1MHJAM30	FIRE DAMPER	13MM598
1MHJAM31	FIRE DAMPER	13MM598
1MHJAM32	FIRE DAMPER	13MM598
1MHJAM33	FIRE DAMPER	13MM598
1MHJAM34	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
1MHJAM35	FIRE DAMPER	13MM598



AG	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
4	1MHJAM36	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
5	1MHJAM37	FIRE DAMPER	13MM598
6	1MHJAM38	BACK DRAFT DAMPER	13MM598
7	1MHJAM39	MANUAL VOLUME DAMPER	13MM598
8	1MHJAM40	MANUAL VOLUME DAMPER	13MM598
9	1MHJAM41	BACK DRAFT DAMPERS	13MM598
10	1MHJAM42	FIRE DAMPER	13MM598
11	1MHJAM43	FIRE DAMPER	13MM598
12	1MHJAM44	FIRE DAMPER	13MM598
13	1MHJAM45	BACK DRAFT DAMPERS	13MM598
14	1MHJAM46	FIRE DAMPER	13MM598
15	1MHJAM47	FIRE DAMPER	13MM598
16	1MHJAM48	FIRE DAMPER	13MM598
17	1MHJAM49	FIRE DAMPER	13MM598
18	1MHJAM50	FIRE DAMPER	13MM598
19	1MHJAM51	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
20	1MHJAM52	PNEUM BUBBLE-TIGHT DAMPER	13MM598
21	1MHJAM53	PNEUM LOW-LEAKAGE DAMPER	13MM598
22	1MHJAM54	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
23	1MHJAM55	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
24	1MHJAM56	PNEUM BUBBLE-TIGHT DAMPER	13MM598
25	1MHJAM57	PNEUM BUBBLE-TIGHT DAMPER	13MM598
26	1MHJAM58	PNEUM BUBBLE-TIGHT DAMPER	13MM598
27	1MHJAM59	PNEUM BUBBLE-TIGHT DAMPER	13MM598
28	1MHJAM60	BACK DRAFT DAMPERS	13MM598
29	1MHJAM61	BACK DRAFT DAMPERS	13MM598
30	1MHJAM62	PNEUM LOW-LEAKAGE DAMPER	13MM598
31	1MHJAM63	FIRE DAMPER	13MM598
32	1MHJAM64	FIRE DAMPER	13MM598
33	1MHJAM65	FIRE DAMPER	13MM598
34	1MHJAM66	PNEUM LOW-LEAKAGE MOTOR DAMPER	13MM598
35	1MHJAM67	FIRE DAMPER	13MM598
36	1MHJAM68	FIRE DAMPER	13MM598
37	1MHJAM69	FIRE DAMPER	13MM598
38	1MHJAM70	FIRE DAMPER	13MM598
39	1MHJAM71	FIRE DAMPER	13MM598
40	1MHJAM73	FIRE DAMPER	13MM598
41	1MHJAZ03	CTRL BLDG ESF SNCR RM ESS AHU	13MM721 A
42	1MHJAZ04	ESF EQUIPMENT CHANNEL "A" AHU	13MM598
43	1MHJBF04	CONTROL ROOM ESSENTIAL AHU	13MM721 B
44	1MHJBF10	SOUND ATTENUATOR	13MM598
45	1MHJBF11	SOUND ATTENUATOR	13MM598
46	1MHJBF12	SOUND ATTENUATOR	13MM598
47	1MHJBF13	SOUND ATTENUATOR	13MM598
48	1MHJBF14	SOUND ATTENUATOR	13MM598
49	1MHJB01A	CTRL BLDG BATT RM ESSEN EX FAN	13MM598
50	1MHJB01B	CTRL BLDG BATT RM ESSEN EX FAN	13MM598
51	1MHJBM00 100	FIRE DAMPER	13MM598
52	1MHJBF00 135	FIRE DAMPER	13MM598
53	1MHJB01	PNEUM BUBBLE-TIGHT DAMPER	13MM598
54	1MHJBM02	DAMPER-MOTOR	13MM598
55	1MHJBM03	DAMPER-MOTOR	13MM598
56	1MHJBM04	MANUEL VOLUME DAMPER	13MM598
57	1MHJBM05	MANUEL VOLUME DAMPER	13MM598



AI	TAG NUMBER	DESCRIPTION	EFCI TEL SPEC/PO
4	1MHJBM06	BACK DRAFT DAMPER	13MM598
5	1MHJBM07	FIRE DAMPER	13MM598
6	1MHJBM08	FIRE DAMPER	13MM598
7	1MHJBM10	PNEUM BUBBLE-TIGHT DAMPER	13MM598
8	1MHJBM11	FIRE DAMPER	13MM598
9	1MHJBM13	PNEUM BUBBLE-TIGHT DAMPER	13MM598
10	1MHJBM14	FIRE DAMPER	13MM598
11	1MHJBM15	FIRE DAMPER	13MM598
12	1MHJBM16	FIRE DAMPER	13MM598
13	1MHJBM17	FIRE DAMPER	13MM598
14	1MHJBM18	FIRE DAMPER	13MM598
15	1MHJBM19	FIRE DAMPER	13MM598
16	1MHJBM20	FIRE DAMPER	13MM598
17	1MHJBM21	FIRE DAMPER	13MM598
18	1MHJBM22	FIRE DAMPER	13MM598
19	1MHJBM23	PNEUM BUBBLE-TIGHT DAMPER	13MM598
20	1MHJBM24	PNEUM BUBBLE-TIGHT DAMPER	13MM598
21	1MHJBM25	FIRE DAMPER	13MM598
22	1MHJBM26	FIRE DAMPER	13MM598
23	1MHJBM27	BACK DRAFT DAMPER	13MM598
24	1MHJBM28	PNEUM LOW-LEAKAGE DAMPER	13MM598
25	1MHJBM29	FIRE DAMPER	13MM598
26	1MHJBM30	FIRE DAMPER	13MM598
27	1MHJBM31	PNEUM LOW-LEAKAGE DAMPER	13MM598
28	1MHJBM32	PNEUM LOW-LEAKAGE DAMPER	13MM598
29	1MHJBM33	FIRE DAMPER	13MM598
30	1MHJBM34	PNEUM LOW-LEAKAGE DAMPER	13MM598
31	1MHJBM35	FIRE DAMPER	13MM598
32	1MHJBM36	FIRE DAMPER	13MM598
33	1MHJBM38	PNEUM LOW-LEAKAGE DAMPER	13MM598
34	1MHJBM39	FIRE DAMPER	13MM598
35	1MHJBM40	FIRE DAMPER	13MM598
36	1MHJBM41	FIRE DAMPER	13MM598
37	1MHJBM42	BACK DRAFT DAMPER	13MM598
38	1MHJBM43	MANUAL VOLUME DAMPER	13MM598
39	1MHJBM44	MANUAL VOLUME DAMPER	13MM598
40	1MHJBM45	BACK DRAFT DAMPER	13MM598
41	1MHJBM46	FIRE DAMPER	13MM598
42	1MHJBM47	FIRE DAMPER	13MM598
43	1MHJBM48	BACK DRAFT DAMPER	13MM598
44	1MHJBM49	FIRE DAMPER	13MM598
45	1MHJBM50	FIRE DAMPER	13MM598
46	1MHJBM51	FIRE DAMPER	13MM598
47	1MHJBM52	PNEUM LOW-LEAKAGE DAMPER	13MM598
48	1MHJBM53	FIRE DAMPER	13MM598
49	1MHJBM54	PNEUM LOW-LEAKAGE DAMPER MOTOR	13MM598
50	1MHJBM55	PNEUM BUBBLE-TIGHT DAMPER	13MM598
51	1MHJBM56	PNEUM BUBBLE-TIGHT DAMPER	13MM598
52	1MHJBM57	PNEUM BUBBLE-TIGHT DAMPER	13MM598
53	1MHJBM58	PNEUM LOW-LEAKAGE DAMPER	13MM598
54	1MHJBM60	BACK DRAFT DAMPER	13MM598
55	1MHJBM61	BACK DRAFT DAMPER	13MM598
56	1MHJBM62	FIRE DAMPER	13MM598
57	1MHJBM63	FIRE DAMPER	13MM598



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A/I	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU	
4	1PHJBM64	FIRE DAMPER	13MM598	
5	1PHJBM65	FIRE DAMPER	13MM598	
6	1PHJBM66	PNEUM LOW-LEAKAGE MOTOR DAMPER	13MM598	
7	1PHJBM67	FIRE DAMPER	13MM598	
8	1PHJBM68	FIRE DAMPER	13MM598	
9	1PHJBM69	FIRE DAMPER	13MM598	
10	1PHJBM70	FIRE DAMPER	13MM598	
11	1PHJBM71	FIRE DAMPER	13MM598	
12	1PHJBM72	FIRE DAMPER	13MM598	
13	1PHJBM75	FIRE DAMPER	13MM598	
14	1PHJBM203	CISOL GLOG ESP SWGR RM ESS AHU	13MM721	A
15	1PHJBM204	ESP ROOM CHANNEL "B" AHU	13MM721	A
16	1PHJBS07	SOUND ATTENUATOR	13MM598	
17	1PHJBM45	FIRE DAMPER	13MM598	
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	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
4	1JHJAA1 0046	CON BLDG INLET AIR CHLORINE	J-111
5	1JHJAA1 0046	I/E CONVERTER	J-111
6	1JHJAH5 0007	CON RM NORM AHU ISOL VALVES	J-200
7	1JHJAH5 0010	CON RM CMCTN RM ISOL VALVES	J-200
8	1JHJAH5 0028	CON RM ESS AHU-A	J-200
9	1JHJAH5 0036	CON RM ESS AHU-A OUTSIDE IV	J-200
10	1JHJAH5 0037	CON RM ESS AHU-B OUTSIDE IV	J-200
11	1JHJAH5 0039	CON RM SMOKE SUCT & MKU AIR IV	J-200
12	1JHJAH5 0041	CON RM TOILET & KITCHEN EXH IV	J-200
13	1JHJAH5 0058	ESF SWGR RM ESS TRAIN-A IV	J-200
14	1JHJAH5 0061	ESF SWGR RM ESS TRAIN-A IV	J-200
15	1JHJAH5 0067	ESF SWGR RM ESS AHU-A	J-200
16	1JHJAH5 0081	BATTERY RM-A ESS EXH FAN	J-200
17	1JHJAH5 0083	BATTERY RM-C ESS EXH FAN	J-200
18	1JHJAH5 0096	ESF EQUIP RM SMK EXH IV	J-200
19	1JHJAH5 0097	ESF EQUIP RMS A&C SMK EXH IV	J-200
20	1JHJAH5 0106	ESF SWGR RM ESS TRAIN-A IV	J-200
21	1JHJATF 0123	CR HVAC TRAIN-A CHW SUP	R-598
22	1JHJATF 0123	CR HVAC TRAIN-A CHW SUP	R-598
23	1JHJAU1 0007A	CON RM NORM AHU DSCH IV	R-598
24	1JHJAU1 0007B	CON RM NORM AHU RECIRC AIR IV	R-598
25	1JHJAU1 0010A	CON RM CMCTN RM I/E AIR IV	R-598
26	1JHJAU1 0010B	CON RM CMCTN RM OUT AIR IV	R-598
27	1JHJAU1 0039A	CON RM SMOKE EXH MKU AIR IV	R-598
28	1JHJAU1 0039B	CON RM SMOKE EXH FAN SUCT IV	R-598
29	1JHJAU1 0041A	CON RM TOILET NORM EXH FAN IV	R-598
30	1JHJAU1 0041B	CON RM KITCHEN NORM EXH FAN IV	R-598
31	1JHJAU1 0058A	ESF SWGR RM ESS TRAIN-A IV	R-598
32	1JHJAU1 0058B	ESF SWGR RM ESS TRAIN-A IV	R-598
33	1JHJAU1 0061A	ESF SWGR RM ESS TRAIN-A IV	R-598
34	1JHJAU1 0061B	ESF SWGR RM ESS TRAIN-A IV	R-598
35	1JHJAU1 0096	ESF EQUIP RM SMK EXH IV	R-598
36	1JHJAU1 0097A	ESF EQUIP RMS A&C SMK EXH IV	R-598
37	1JHJAU1 0097B	ESF EQUIP RMS A&C SMK EXH IV	R-598
38	1JHJAU1 0097C	ESF EQUIP RMS A&C SMK EXH IV	R-598
39	1JHJAU1 0106	ESF SWGR RM ESS TRAIN-A IV	R-598
40	1JHJBA1 0047	CON BLDG INLET AIR CHLORINE	J-111
41	1JHJBAY 0047	I/E CONVERTER	J-111
42	1JHJBHS 0008	CON RM NORM AHU ISOL VALVES	J-200
43	1JHJBHS 0011	CON RM CMCTN RM ISOL VALVES	J-200
44	1JHJBHS 0029	CON RM ESS AHU-B	J-200
45	1JHJBHS 0034	CON RM ESS AHU-A OUTSIDE IV	J-200
46	1JHJBHS 0035	CON RM ESS AHU-B OUTSIDE IV	J-200
47	1JHJBHS 0038	CON RM SMOKE SUCT & MKU AIR IV	J-200
48	1JHJBHS 0040	CON RM TOILET & KITCHEN EXH IV	J-200
49	1JHJBHS 0060	VOID	J-200
50	1JHJBHS 0062	ESF SWGR RM ESS TRAIN-B IV	J-200
51	1JHJBHS 0068	ESF SWGR RM ESS AHU-B	J-200
52	1JHJBHS 0082	BATTERY RM-B ESS EXH FAN	J-200
53	1JHJBHS 0084	BATTERY RM-D ESS EXH FAN	J-200
54	1JHJBHS 0104	ESF EQUIP RMS B&D SMK EXH IV	J-200
55	1JHJBTE 0124	CR HVAC TRAIN-B CHW SUP	R-598
56	1JHJBTE 0124	CR HVAC TRAIN-B CHW SUP	R-598
57	1JHJBTE 0008A	CON RM NORM AHU DSCH IV	R-598



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INSTRUMENT - "Q" CLASS

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AI	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
4	1JHJBUY 0008B	CON RM NURF AHU RECIRC AIR IV	R-598
5	1JHJBUY 0011A	CON RM CMCTN RM I/L AIR IV	R-598
6	1JHJBUY 0011B	CON RM CMCTN RM OUT AIR IV	R-598
7	1JHJBUY 0038A	CON RM SMOKE EXH MKU AIR IV	R-598
8	1JHJBUY 0038B	CON RM SMOKE EXH FAN SUCT IV	R-598
9	1JHJBUY 0040A	CON RM TOILET NORM EXH FAN IV	R-598
10	1JHJBUY 0040B	CON RM KITCHEN NORM EXH FAN IV	R-598
11	1JHJBUY 0062A	ESF SGR RM ESS TRAIN-B IV	R-598
12	1JHJBUY 0062B	ESF SGR RM ESS TRAIN-B IV	R-598
13	1JHJBUY 0062C	ESF SGR RM ESS TRAIN-B IV	R-598
14	1JHJBUY 0062D	ESF SGR RM ESS TRAIN-B IV	R-598
15	1JHJBUY 0104A	ESF EQUIP RMS B&D SMK EXH IV	R-598
16	1JHJBUY 0104B	ESF EQUIP RMS B&D SMK EXH IV	R-598
17	1JHJBUY 0104C	ESF EQUIP RMS B&D SMK EXH IV	R-598
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TAG NUMBER	DESCRIPTION	RECIPIENT SPEC/PO
AJHPAE01	H2 RECOMBINER CONTROL PANEL	13NM993
AJHPBE01	H2 RECOMBINER CONTROL PANEL	13NM993
AJHPNL01	INST CAB-HYDROGEN RECOMBINER	13NM993
AMHPAL01	H2 RECOMBINER	13NM993
AMHPBU01	H2 RECOMBINER	13NM993
1JHPAE02	CONT POST LOCA H2 MONITOR	13JM359
1JHPAE03	H2 RECUMB DAMPER PNL	13JE200
1JHPBE02	CONT POST LOCA H2 MONITOR	13JM359
1JHPBE03	H2 RECUMB DAMPER PNL	13JE200
1MHPAM02	ELECTRIC LOW-LEAKAGE DAMPER	13ME598
1MHPAU03	PENETRATION-H RECOMBINER SUP	13ME500
1MHPAU08	PENETRATION-H RECOMBINER RET	13ME500
1MHPBM01	ELECTRIC LOW-LEAKAGE DAMPER	13ME598
1MHPBM02	ELECTRIC LOW-LEAKAGE DAMPER	13ME598
1MHPBU06	PENETRATION-H RECOMBINER SUP	13ME500
1MHPBU09	PENETRATION-H RECOMBINER RET	13ME500
1MHPBU02	FIRE DAMPER	13ME598

TAG NUMBER

RECHTEL
SPEC/PO

1PHRAV001	13PM221A
1PHRAV002	13PM221A
1PHRAV005	13PM221A
1PHRAV010	13PM221A
1PHRAV013	13PM221A
1PHRAV014	13PM221A
1PHRAV015	13PM221A
1PHRAV016	13PM221A
1PHRAV017	13PM221A
1PHRAV018	13PM221A
1PHRAV025	13PM221A
1PHRAV026	13PM221A
1PHRAV027	13PM221A
1PHRAV028	13PM221A
1PHRAV029	13PM221A
1PHRAV030	13PM221A
1PHRAV031	13PM221A
1PHRAV032	13PM221A
1PHRAV003	13PM221A
1PHRAV004	13PM221A
1PHRAV006	13PM221A
1PHRAV011	13PM221A
1PHRAV012	13PM221A
1PHRAV019	13PM221A
1PHRAV020	13PM221A
1PHRAV021	13PM221A
1PHRAV022	13PM221A
1PHRAV023	13PM221A



A/I	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
4	AJHPAFB 0501	H2 RECOMB I/L GAS FLOW	N-993
5	AJHPAFI 0501	H2 RECOMB I/L GAS FLOW	N-993
6	AJHPAFSL 0501	H2 RECOMB I/L GAS FLOW LOW	N-993
7	AJHPAFI 0501	H2 RECOMB I/L GAS FLOW	N-993
8	AJHPAFY 0501	H2 RECOMB I/L GAS FLOW	N-993
9	AJHPAHS 0527	H2 RECOMB START-STOP SWITCH	N-993
10	AJHPAHS 0529	H2 RECOMB TEST SWITCH	N-993
11	AJHPAHS 0531	H2 RECOMB ACK SWITCH	N-993
12	AJHPATE 0503	H2 RECOMB BLOWER OUT TEMP	N-993
13	AJHPATE 0505	H2 RECOMB HEATER TEMP	N-993
14	AJHPATE 0507	H2 RECOMB HEATER TEMP	N-993
15	AJHPATE 0509	H2 RECOMB HEATER GAS TEMP	N-993
16	AJHPATE 0511	H2 RECOMB HEATER GAS TEMP	N-993
17	AJHPATE 0513	H2 RECOMB REACTION CHMB	N-993
18	AJHPATE 0515	H2 RECOMB REACTION CHMB	N-993
19	AJHPATE 0517	H2 RECOMB HE I/L TEMP	N-993
20	AJHPATE 0519	H2 RECOMB HE I/L TEMP	N-993
21	AJHPATE 0521	H2 RECOMB GAS RETURN TEMP	N-993
22	AJHPATE 0523	H2 RECOMB GAS RETURN TEMP	N-993
23	AJHPATIC 0513	H2 RECOMB REACTION CHMB TEMP	N-993
24	AJHPATISH0517	H2 RECOMB HE I/L TEMP HI	N-993
25	AJHPATISH0521	H2 RECOMB GAS RETURN TEMP HI	N-993
26	AJHPATISH 0503	H2 RECOMB BLOWER OUT TEMP HI	N-993
27	AJHPATISH 0505	H2 RECOMB HEATER TEMP HI	N-993
28	AJHPATISH 0509	H2 RECOMB HEATER GAS TEMP	N-993
29	AJHPATISH 0515	H2 RECOMB REACTION CHMB TEMP	N-993
30	AJHPATISH0509	H2 RECOMB HEATER GAS TEMP	N-993
31	AJHPATSL 0515	H2 RECOMB REACTION CHMB TEMP	N-993
32	AJHPBFE 0502	H2 RECOMB I/L GAS FLOW	N-993
33	AJHPBFI 0502	H2 RECOMB I/L GAS FLOW	N-993
34	AJHPBFSL 0502	H2 RECOMB I/L GAS FLOW LOW	N-993
35	AJHPBFT 0502	H2 RECOMB I/L GAS FLOW	N-993
36	AJHPBFY 0502	H2 RECOMB I/L GAS FLOW	N-993
37	AJHPBHS 0528	H2 RECOMB START-STOP SWITCH	N-993
38	AJHPBHS 0530	H2 RECOMB TEST SWITCH	N-993
39	AJHPBHS 0532	H2 RECOMB ACK SWITCH	N-993
40	AJHPBTE 0504	H2 RECOMB BLOWER OUT TEMP	N-993
41	AJHPBTE 0506	H2 RECOMB HEATER TEMP	N-993
42	AJHPBTE 0508	H2 RECOMB HEATER TEMP	N-993
43	AJHPBTE 0510	H2 RECOMB HEATER GAS TEMP	N-993
44	AJHPBTE 0512	H2 RECOMB HEATER GAS TEMP	N-993
45	AJHPBTE 0514	H2 RECOMB REACTION CHMB	N-993
46	AJHPBTE 0516	H2 RECOMB REACTION CHMB	N-993
47	AJHPBTE 0518	H2 RECOMB HE I/L TEMP	N-993
48	AJHPBTE 0520	H2 RECOMB HE I/L TEMP	N-993
49	AJHPBTE 0522	H2 RECOMB GAS RETURN TEMP	N-993
50	AJHPBTE 0524	H2 RECOMB GAS RETURN TEMP	N-993
51	AJHPBTIC 0514	H2 RECOMB REACTION CHMB TEMP	N-993
52	AJHPBTISH0518	H2 RECOMB HE I/L TEMP HI	N-993
53	AJHPBTISH0522	H2 RECOMB GAS RETURN TEMP HI	N-993
54	AJHPBTSH 0504	H2 RECOMB BLOWER OUT TEMP HI	N-993
55	AJHPBTSH 0506	H2 RECOMB HEATER TEMP HI	N-993
56	AJHPBTSH 0510	H2 RECOMB HEATER GAS TEMP	N-993
57	AJHPBTSH 0516	H2 RECOMB REACTION CHMB TEMP	N-993

	TAG NUMBER	DESCRIPTION	EIGHTEL SPEC/PU
4	AJHPFTSRH0510	H2 RECOMB HEATER GAS TEMP	R-993
5	AJHPFTSL 0516	H2 RECOMB REACTION CHMB TEMP	R-993
6	1JHPAAE 0009	CONTAINMENT H2 ANALY A	J-359
7	1JHPAAI 0009	CONTAINMENT H2 ANALY A	J-111
8	1JHPAAIT 0009	CONTAINMENT H2 ANALY A	J-359
9	1JHPAAP 0009	CONTAINMENT H2 ANALY A	J-111
10	1JHPAASH 0009	CONTAINMENT H2 ANALY A	J-359
11	1JHPAAY 0009	I/E CONVERTER	J-111
12	1JHPAFE 0015	H2 ANALY OUTLET	J-359
13	1JHPAFI 0015	H2 ANALY OUTLET	J-359
14	1JHPAFI 0051	H2 ANALY BYPASS	J-359
15	1JHPAFIC 0009A	H2 ANALY CALIBRATION GAS	J-359
16	1JHPAFIC 0009B	H2 ANALY REAGENT GAS	J-359
17	1JHPAFIC 0063	H2 ANALY SAMPLE BYPASS	J-359
18	1JHPAHS 0001	H2 CONT TR A UPSTM SUP ISOL	J-200
19	1JHPAHS 0003	H2 CONT TR A DOWNSTM SUP ISOL	J-200
20	1JHPAHS 0005	H2 CONT TR A RETURN ISOL	J-200
21	1JHPAHS 0007	H2 ANALY A INLET VLV	J-200
22	1JHPAHS 0009A	H2 ANALY CH A OFF/STBY/ANALYZE	J-359
23	1JHPAHS 0009B	H2 ANALY CH A SAMPLE/ZERO/SPAN	J-359
24	1JHPAHS 0009C	H2 ANALY CH A REMOTE SELECT	J-359
25	1JHPAHS 0009D	H2 ANAL CH A SHPL/ZERO/SPAN	J-359
26	1JHPAHS 0009E	H2 ANAL CH A LOCAL/REMOTE SEL	J-359
27	1JHPAHS 0017	CONT H2 ANAL A ON-STBY-OFF	J-359
28	1JHPAHS 0023	SAMPLING SYSTEM RETURN ISL VLV	J-200
29	1JHPAHS 0024	SAMPLING SYSTEM SUP ISL VLV	J-200
30	1JHPAHS 0027	H2 ANAL CH A ALARM RESET	J-359
31	1JHPAHS 0061	H2 RECOMBINER VENT DAMPER	J-200
32	1JHPAHV 0007A	H2 ANALY A INLET VLV	J-603
33	1JHPAHV 0007B	H2 ANALY A INLET VLV	J-603
34	1JHPAHV 0009A	H2 ANALY CALIBRATION GAS	J-359
35	1JHPAHV 0009B	H2 ANALY REAGENT GAS	J-359
36	1JHPAHV 0023	SAMPLING SYSTEM RETURN ISL VLV	J-603
37	1JHPAHV 0024	SAMPLING SYSTEM SUP ISL VLV	J-603
38	1JHPAPCV 0041	H2 ANALY CALIBRATION GAS	J-359
39	1JHPAPCV 0043	H2 ANALY REAGENT GAS	J-359
40	1JHPAPCV 0045	H2 ANALY INLET	J-359
41	1JHPAPCV 0047	H2 ANALY BYPASS	J-359
42	1JHPAPCV 0049	H2 ANALY OUTLET	J-359
43	1JHPAPDSC0015	H2 ANAL OUTLET	J-359
44	1JHPAPI 0055	H2 ANALY INLET	J-359
45	1JHPAPSH 0053	H2 ANALY SAMPLE CYLINDER	J-359
46	1JHPAPSL 0019	H2 ANALY CALIBRATION GAS	J-359
47	1JHPAPSL 0021	H2 ANALY REAGENT GAS	J-359
48	1JHPAPSL 0053	H2 ANALY SAMPLE CYLINDER	J-359
49	1JHPATSHLOC13	CONT H2 ANAL A CHAMBER TEMP	J-359
50	1JHPAUC 0009	H2 ANALY CH A CONT RM SUBPANEL	J-359
51	1JHPAUV 0001	H2 CONT TR A UPSTM SUP ISOL	P-221A
52	1JHPAUV 0003	H2 CONT TR A DOWNSTM SUP ISOL	P-221A
53	1JHPAUV 0005	H2 CONT TR A RETURN ISOL	P-221A
54	1JHPRAE 0010	CONTAINMENT H2 ANALY B	J-359
55	1JHPRAI 0010	CONTAINMENT H2 ANALY B	J-111
56	1JHPRAI 0010	CONTAINMENT H2 ANALY B	J-359
57	1JHPRAH 0010	CONTAINMENT H2 ANALY B	J-359



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AI	TAG NUMBER	DESCRIPTION	REC-TEL SPEC/PO
4	1JHPBAY 0010	I/E CONVERTER	J-111
5	1JHPBE 0016	H2 ANALY OUTLET	J-359
6	1JHPBF 0016	H2 ANALY OUTLET	J-359
7	1JHPBF 0052	H2 ANALY BYPASS	J-359
8	1JHPBFIC 0010A	H2 ANALY CALIBRATION GAS	J-359
9	1JHPBFIC 0010B	H2 ANALY REAGENT GAS	J-359
10	1JHPBFIC 0064	H2 ANALY SAMPLE BYPASS	J-359
11	1JHPBHS 0002	H2 CONT TR B UPSTM SUP ISOL	J-200
12	1JHPBHS 0004	H2 CONT TR B DOWNSTM SUP ISOL	J-200
13	1JHPBHS 0006	H2 CONT TR B RETURN ISOL	J-200
14	1JHPBHS 0008	H2 ANALY B INLET ISOL	J-200
15	1JHPBHS 0010A	H2 ANALY CH B OFF/STBY/ANALYZE	J-359
16	1JHPBHS 0010B	H2 ANALY CH B SAMPLE/ZERO/SPAN	J-359
17	1JHPBHS 0010C	H2 ANALY CH B REMOTE SELECT	J-359
18	1JHPBHS 0010D	H2 ANALY CH B SAMP/ZERO/SPAN	J-359
19	1JHPBHS 0010E	H2 ANALY CH B LOCAL/REMOTE SEL	J-359
20	1JHPBHS 0018	CONT H2 ANAL B ON-STBY-OFF	J-359
21	1JHPBHS 0028	H2 ANAL CH B ALARM RESET	J-359
22	1JHPBHS 0062	H2 RECOMBINER VENT DAMPER	J-200
23	1JHPBHV 0008A	H2 ANALY B INLET ISOL	J-603
24	1JHPBHV 0008B	H2 ANALY B INLET ISOL	J-603
25	1JHPBHV 0010A	H2 ANALY CALIBRATION GAS	J-359
26	1JHPBHV 0010B	H2 ANALY REAGENT GAS	J-359
27	1JHPBPCV 0042	H2 ANALY CALIBRATION GAS	J-359
28	1JHPBPCV 0044	H2 ANALY REAGENT GAS	J-359
29	1JHPBPCV 0046	H2 ANALY INLET	J-359
30	1JHPBPCV 0048	H2 ANALY BYPASS	J-359
31	1JHPBPCV 0050	H2 ANALY OUTLET	J-359
32	1JHPBPSL0016	H2 ANAL OUTLET	J-359
33	1JHPBPI 0056	H2 ANALY INLET	J-359
34	1JHPBPSH 0054	H2 ANALY SAMPLE CYLINDER	J-359
35	1JHPBPSL 0020	H2 ANALY CALIBRATION GAS	J-359
36	1JHPBPSL 0022	H2 ANALY REAGENT GAS	J-359
37	1JHPBPSL 0054	H2 ANALY SAMPLE CYLINDER	J-359
38	1JHPBISHL0014	CONT H2 ANAL B CHAMBER TEMP	J-359
39	1JHPBUIC 0010	H2 ANALY CH B CONT RM SUBPANEL	J-359
40	1JHPBUV 0002	H2 CONT TR B UPSTM SUP ISOL	P-221A
41	1JHPBUV 0004	H2 CONT TR B DOWNSTM SUP ISOL	P-221A
42	1JHPBUV 0006	H2 CONT TR B RETURN ISOL	P-221A
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TAG NUMBER

DESCRIPTION

DECTEL
SPEC/PU

1M1AED31
1M1AED59

PENETRATION-INST AIR
PENETRATION-SERVICE AIR

13MM500
13MM500

TAG NUMBER

PECHTEL
SPEC/PO

1PIAEV021

13PF221A

1PIAEV072

13PF221B

1PIAEV073

13PM221B

1PIAEV291

13PF221A

1PIAEV296

13PM221A



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1ENANZ31	ELECT PENTRTN-15KV PWR(RCP 2B)	13EM035 A
1ENANZ33	ELECT PENTRTN	13EM035 A
1ENANZ44	ELECT PENTRTN-15KV PWR(RCP 1B)	13EM035 A
1ENANZ45	ELECT PENTRTN-15KV PWR(RCP 1A)	13EM035 A
1ENANZ70	ELECT PENTRTN-15KV PWR(RCP 2A)	13EM035 A



TAG NUMBER

DESCRIPTION

DLCHTEL
SPEC/PU

IMNCEU33

PENETRATION-NC WTR SUPPLY

13MM500

IMNCEU34

PENETRATION-NC WTR RETURN

13MM500



TAG NUMBER

FECHTEL
SPEC/PO

1PNCV102	13PM221A
1PNCV107	13PM221A
1PNCV108	13PM221A
1PNCV109	13PM221A
1PNCV110	13PM221A
1PNCV191	13PM221A
1PNCV202	13PM221A
1PNCV203	13PM221A
1PNCV204	13PM221A
1PNCV205	13PM221A
1PNCV300	13PM221A
1PNCV301	13PM221A
1PNCV104	13PM221A
1PNCV111	13PM221A
1PNCV112	13PM221A
1PNCV113	13PM221A
1PNCV114	13PM221A
1PNCV192	13PM221A
1PNCV200	13PM221A
1PNCV201	13PM221A
1PNCV206	13PM221A
1PNCV207	13PM221A
1PNCV208	13PM221A
1PNCV209	13PM221A
1PNCV298	13PM221A
1PNCV299	13PM221A
1PNCV118	13PM221B
1PNCV084	13PM403C
1PNCV085	13PM403C
1PNCV210	13PM221A
1PNCV211	13PM221A
1PNCV215	13PM221A
1PNCV284	13PM221A
1PNCV285	13PM221A
1PNCV286	13PM221A
1PNCV287	13PM221A



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	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
4	1JNCAFE 0256	FUEL POOL HX A NCWS OUT	J-425
5	1JNCAFSL 0474	RCP 1B CLR OUT	J-111
6	1JNCAFSL 0475	RCP 1A CLR OUT	J-111
7	1JNCAFSL 0476	RCP 2B CLR OUT	J-111
8	1JNCAFSL 0477	RCP 2A CLR OUT	J-111
9	1JNCAFT 0474	RCP 1B CLR OUT	J-311
10	1JNCAFT 0475	RCP 1A CLR OUT	J-311
11	1JNCAFT 0476	RCP 2B CLR OUT	J-311
12	1JNCAFT 0477	RCP 2A CLR OUT	J-311
13	1JNCAFY 0474A	RCP 1B CLR OUT	J-111
14	1JNCAFY 0474B	RCP 1B CLR OUT	J-111
15	1JNCAFY 0474C	RCP 1B CLR OUT	J-111
16	1JNCAFY 0474D	RCP 1B CLR OUT	J-111
17	1JNCAFY 0474E	RCP 1B CLR OUT	J-111
18	1JNCAFY 0475A	RCP 1A CLR OUT	J-111
19	1JNCAFY 0475B	RCP 1A CLR OUT	J-111
20	1JNCAFY 0475C	RCP 1A CLR OUT	J-111
21	1JNCAFY 0475D	RCP 1A CLR OUT	J-111
22	1JNCAFY 0475E	RCP 1A CLR OUT	J-111
23	1JNCAFY 0476A	RCP 2B CLR OUT	J-111
24	1JNCAFY 0476B	RCP 2B CLR OUT	J-111
25	1JNCAFY 0476C	RCP 2B CLR OUT	J-111
26	1JNCAFY 0476D	RCP 2B CLR OUT	J-111
27	1JNCAFY 0476E	RCP 2B CLR OUT	J-111
28	1JNCAFY 0477A	RCP 2A CLR OUT	J-111
29	1JNCAFY 0477B	RCP 2A CLR OUT	J-111
30	1JNCAFY 0477C	RCP 2A CLR OUT	J-111
31	1JNCAFY 0477D	RCP 2A CLR OUT	J-111
32	1JNCAFY 0477E	RCP 2A CLR OUT	J-111
33	1JNCAHCV 0244	FUEL POOL HX A NCWS I/L ISOL	J-605
34	1JNCAHCV 0258	FUEL POOL HX A NCWS OUT	J-605
35	1JNCAHCV 0262	FUEL POOL HX A NCWS I/L	J-605
36	1JNCAHCV 0264	FUEL POOL HX A NCWS OUT	J-605
37	1JNCAHS 0402	NCWS RET EXT CONT ISOL VLV	J-200
38	1JNCAPSV 0250	FUEL POOL HX A NCWS RELIEF	K-071
39	1JNCATW 0246	FUEL POOL HX A NCWS I/L	J-556
40	1JNCATW 0254	FUEL POOL HX A NCWS OUT	J-556
41	1JNCAUV 0402	NCWS RET EXT CONT ISOL VLV	J-605
42	1JNCBFE 0257	FUEL POOL HX B NCWS OUT	J-425
43	1JNCBFSL 0494	RCP 1B CLR OUTLET	J-111
44	1JNCBFSL 0495	RCP 1A CLR OUTLET	J-111
45	1JNCBFSL 0496	RCP 2B CLR OUTLET	J-111
46	1JNCBFSL 0497	RCP 2A CLR OUTLET	J-111
47	1JNCBFT 0494	RCP 1B CLR OUTLET	J-311
48	1JNCBFT 0495	RCP 1A CLR OUTLET	J-311
49	1JNCBFT 0496	RCP 2B CLR OUTLET	J-311
50	1JNCBFT 0497	RCP 2A CLR OUTLET	J-311
51	1JNCBFY 0494A	RCP 1B CLR OUTLET	J-111
52	1JNCBFY 0495A	RCP 1A CLR OUTLET	J-111
53	1JNCBFY 0496A	RCP 2B CLR OUTLET	J-111
54	1JNCBFY 0497A	RCP 2A CLR OUTLET	J-111
55	1JNCBHCV 0245	FUEL POOL HX B NCWS I/L ISOL	J-605
56	1JNCBHCV 0259	FUEL POOL HX B NCWS OUT	J-605
57	1JNCBHCV 0263	FUEL POOL HX B NCWS I/L	J-605



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TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1JNCBHCV 0265	FUEL POOL PX B NCWS OUT	J-605
1JNCBHS 0401	NCWS SUP EXT CONT ISOL VLV	J-200
1JNCBHS 0403	NCWS RET INT CONT ISOL VLV	J-200
1JNCBPSV 0251	FUEL POOL PX B NCWS RELIEF	J-071
1JNCBTW 0247	FUEL POOL PX B NCWS I/L	J-556
1JNCBTW 0255	FUEL POOL PX A NCWS OUT	J-556
1JNCBOV 0401	NCWS SUP EXT CONT ISOL VLV	J-605
1JNCBOV 0403	NCWS RET INT CONT ISOL VLV	J-605
1JNCNTW 0227	WST GAS COMP/AFTCLR B NCWS I/L	J-556



TAG NUMBER	DESCRIPTION	ELECT SPEC/PO
1ENGZ01	ELECT PENTRTN-600V PWR	13EM035 A
1ENGZ03	ELECT PENTRTN-600V PWR	13EM035 A
1ENGZ07	ELECT PENTRTN-600V PWR	13EM035 A
1ENGZ11	ELECT PENTRTN-600V PWR	13EM035 A
1ENGZ13	ELECT PENTRTN-600V PWR	13EM035 A
1ENGZ32	ELECT PENTRTN-600V PWR	13EM035 A
1ENGZ68	ELECT PENTRTN-600V PWR	13EM035 A
1ENGZ69	ELECT PENTRTN-600V PWR CONST	13EM035 A
1ENGZ71	ELECT PENTRTN-600V PWR	13EM035 A
1ENGZ88	ELECT PENTRTN-600V PWR	13EM035 A
1ENGZ90	ELECT PENTRTN-600V PWR	13EM035 A



NH 480-V Power, MCC
(Non-IE)

EQUIPMENT="Q" CLASS

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TAG NUMBER	DESCRIPTION	RI-CRTEL SPEC/PU	
1ENHNZ06	ELECT PENTRTN	13EM035	A
1ENHNZ08	ELECT PENTRTN-600V PWR & CNTL	13EM035	A
1ENHNZ09	ELECT PENTRTN	13EM035	A
1ENHNZ10	ELECT PENTRTN-600V PWR & CNTL	13EM035	A
1ENHNZ12	ELECT PENTRTN-600V PWR & CNTL	13EM035	A
1ENHNZ15	ELECT PENTRTN-600VOLT PWR&CNTL	13EM035	A
1ENHNZ17	ELECT PENTRTN-600V PWR & CNTL	13EM035	A
1ENHNZ19	ELECT PENTRTN-600V PWR & CNTL	13EM035	A
1ENPNZ20	ELECT PENTRTN	13EM035	A
1ENHNZ21	ELECT PENTRTN	13EM035	A
1ENHNZ63	ELECT PENTRTN	13EM035	A
1ENHNZ73	ELECT PENTRTN	13EM035	A





NN Instrument AC Power
(Non-IE)

EQUIPMENT-"Q" CLASS

PAGE /00.

TAG NUMBER

DESCRIPTION

BECHTEL
SPEC/PO

1ER7AV13

480-120V CLASS 1E VOLT RGLTR

13ER105

1ER9BV14

480-120V CLASS 1E VOLT RGLTR

13ER105

NS Gas Stripper Subsystem
of CVCSRECHTEL
SPEC/PG

1PNSV106	13NM001
1PNSV107	13NM001
1PNSV108	13NM001
1PNSV109	13NM001
1PNSV110	13NM001
1PNSV111	13NM001
1PNSV116	13NM001
1PNSV118	13NM001
1PNSV120	13NM001
1PNSV122	13NM001
1PNSV129	13NM001
1PNSV130	13NM001
1PNSV131	13NM001
1PNSV132	13NM001
1PNSV200	13NM001
1PNSV201	13NM001
1PNSV202	13NM001
1PNSV203	13NM001
1PNSV204	13NM001
1PNSV205	13NM001
1PNSV206	13NM001
1PNSV207	13NM001
1PNSV208	13NM001



TAG NUMBER	DESCRIPTION	EQUIP SPEC/PG
1EPCAS03	4.16KV CLASS IE INDOOR SWGR	13EAC009
1EPCAS04	4.16KV CLASS IE INDOOR SWGR	13EAC009



TAG NUMBER	DESCRIPTION	ECDTEL SPEC/PU
1EPCED04	NEW FUEL ELEVATOR POWER CENTER	13NM001
1EPCEDJ02	REFUELING MACH JUNCTION BOX	13NM001
1EPCEDJ03	SPENT FUEL URINE POOL END JB	13NM001
1EPCED01	VOID	13NM001
1EPCED01	FUEL POOL COOLING HEAT EXCHNG.	13NM071
1EPCED01	FUEL POOL COOLING PUMP	13NM093
1EPCED01	FUEL POOL COOLING HEAT EXCHNG.	13NM071
1EPCED01	FUEL POOL COOLING PUMP	13NM093
1EPCED01	FUEL TRANSFER TUBE ASSEMBLY	13NM001
1EPCED01A	TRANSFER TUBE BLIND FLANGE	13NM001
1EPCED01R	TRANSFER TUBE RAILS	13NM001
1EPCED02	TRANSFER TUBE SUPPORT STAND	13NM001
1EPCED050	PENETRATION-REF POOL	13NM500
1EPCED051	PENETRATION-REF POOL	13NM500
1EPCED053	PENETRATION-REFUELING POOL	13CM152

TAG NUMBER

PECHTEL
SPEC/PO

1PPCAV011	13PM231
1PPCAV012	13PM221A
1PPCAV013	13PM221B
1PPCAV014	13PM231
1PPCAV015	13PM231
1PPCAV027	13PM231
1PPCAV029	13PM221A
1PPCAV031	13PM221A
1PPCAV032	13PM221A
1PPCAV034	13PM221A
1PPCAV129	13PM221A
1PPCAV139	13PM221A
1PPCAV140	13PM221A
1PPCAV143	13PM221A
1PPCBV007	13PM221A
1PPCEV016	13PM221A
1PPCEV017	13PM221B
1PPCEV018	13PM231
1PPCEV019	13PM231
1PPCBV020	13PM221A
1PPCEV025	13PM221A
1PPCEV026	13PM231
1PPCEV030	13PM221A
1PPCBV069	13PM231
1PPCEV131	13PM221A
1PPCEV141	13PM221A
1PPCEV142	13PM221A
1PPCEV144	13PM221A
1PPCEV028	13PM231
1PPCEV070	13PM221B
1PPCEV071	13PM221B
1PPCEV074	13PM221B
1PPCEV075	13PM221B
1PPCEV076	13PM221B
1PPCEV081	13PM221B
1PPCEV110	13PM221B
1PPCEV121	13PM221B
1PPCEV122	13PM221A
1PPCEV123	13PM221B
1PPCEV124	13PM221B
1PPCEV125	13PM221B
1PPCEV126	13PM221A
1PPCEV137	13PM221A
1PPCEV138	13PM221A
1PPCEV145	13PM221A
1PPCEV148	13PM221A
1PPCEV157	13PM221A
1PPCEV159	13PM221A
1PPCEV171	13PM221A
1PPCEV172	13PM221A
1PPCEV202	13PM221A
1PPCEV208	13PM221A
1PPCNV024	13PM231
1PPCNV036	13PM231



TAG NUMBER

PECHTEL
SPEC/PO

1PPCNV118

13NP001

1PPCNV207

13PV221A

1PPCNV215

13PV231



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TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
IJPCANS 0007	FL PU CLG PP 1	J-200
IJPCAPSV 0035	FL PU HE A	K-071
IJPCAPT 0009	FL PU CLG PP 1 DSCH	J-311
IJPCATW 0013	FL PU HE 1 1/L	J-556
IJPCATW 0015	FL PU COOLING HX A OUTLET	J-556
IJPCRHS 0008	FL PU CLG PP 2	J-200
IJPCPSV 0036	FL PU HE B	K-071
IJPCBPT 0010	FL PU CLG PP 2 DSCH	J-311
IJPCBTW 0014	FL PU HE 2 1/L	J-556
IJPCETW 0016	FL PU COOLING HX B OUTLET	J-556



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TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
AEPGAX31	SPARE LC CL IE XFMR (DRY TYPE)	13EM117
AEPGAX35	SPARE LC CL IE XFMR (DRY TYPE)	13EM117
IEPGAL31	480V CLASS IE LOAD CENTER	13EM017
IEPGAL33	480V CLASS IE LOAD CENTER	13EM017
IEPGAL35	480V CLASS IE LOAD CENTER	13EM017
IEPGBL32	480V CLASS IE LOAD CENTER	13EM017
IEPGBL34	480V CLASS IE LOAD CENTER	13EM017
IEPGBL36	480V CLASS IE LOAD CENTER	13EM017



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TAG NUMBER	DESCRIPTION	RECNTEL SPEC/PO	
1EPHAB31	480V CLASS IE MCC	13EM018	
1EPHAB33	480V CLASS IE MCC	13EM018	
1EPHAB35	480V CLASS IE MCC	13EM018	
1EPHAB37	480V CLASS IE MCC	13EM018	
1EPHAZ46	ELECT PENTRTN-600V PWR&CNL	13EM035	A
1EPHAZ48	ELECT PENTRTN	13EM035	A
1EPHAZ52	ELECT PENTRTN	13EM035	A
1EPHBM32	480V CLASS IE MCC	13EM018	
1EPHBM34	480V CLASS IE MCC	13EM018	
1EPHBM36	480V CLASS IE MCC	13EM018	
1EPHBM38	480V CLASS IE MCC	13EM018	
1EPHBM34	ELECT PENTRTN	13EM035	A
1EPHBM35	ELECT PENTRTN-600V PWR&CNL	13EM035	
1EPHBM39	ELECT PENTRTN	13EM035	A
1EPHBM40	ELECT PENTRTN	13EM035	A
1EPHBM41	ELECT PENTRTN	13EM035	A
1EPHBM53	ELECT PENTRTN-SHLD INSTR	13EM035	
1EPHBM23	ELECT PENTRTN-BLANK	13EM035	A
1EPHBM24	ELECT PENTRTN-BLANK	13EM035	A
1EPHBM29	ELECT PENTRTN-600V PWR&CNL	13EM035	A
1EPHBM43	ELECT PENTRTN-600V PWR&CNL	13EM035	A
1EPHBM56	ELECT PENTRTN-600V PWR&CNL	13EM035	A
1EPHBM02	RECOMBINER SUPPLY AIR FILTRATI	13MM721	B
1EPHBM01	FIRE DAMPER	13MM598	



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TAG NUMBER	DESCRIPTION	EQUIPTEL SPEC/PO
1EPKAD21	125VDC CLASS IE DISTR PNL	13EM021
1EPKAD23	125VDC CLASS IE DISTR PNL	13EM021
1EPKAF11	125VDC CL IE BATT, A	13EM050
1EPKAF11R	125VDC CL IE BATT RACK, A	13EM050
1EPKAH11	125 VDC BATT CHGR, A	13EM051
1EPKAH15	125 VDC BATT CHGR, AC	13EM051
1EPKAH41	125VDC CLASS IE CNTRL CIR	13EM021
1EPKBD22	125VDC CLASS IE DISTR PNL	13EM021
1EPKBD24	125VDC CLASS IE DISTR PNL	13EM021
1EPKBF12	125VDC CL IE BATT, B	13EM050
1EPKBF12R	125VDC CL IE BATT RACK, B	13EM050
1EPKBH12	125 VDC BATT CHGR, B	13EM051
1EPKBH16	125 VDC BATT CHGR, BD	13EM051
1EPKBH42	125VDC CLASS IE CNTRL CIR	13EM021
1EPKCB43	CL IE 480V NEMA TY 1 STARTER	13EM018
1EPKCD23	125VDC CLASS IE DISTR PNL	13EM021
1EPKCD24	125VDC CLASS IE DISTR PNL	13EM021
1EPKCF13R	125VDC CL IE BATT RACK, C	13EM050
1EPKCH13	125 VDC BATT CHGR, C	13EM051
1EPKCH43	125VDC CLASS IE CNTRL CIR	13EM021
1EPKCN43	120V AC CLASS IE INVERTOR	13EM054
1EPKDB44	CL IE 480V NEMA TY 1 STARTER	13EM018
1EPKDF14	125VDC CL IE BATT, D	13EM050
1EPKDF14R	125VDC CL IE BATT RACK, D	13EM050
1EPKDH14	125 VDC BATT CHGR, D	13EM051
1EPKDM44	125VDC CLASS IE CNTRL CIR	13EM021
1EPKDR44	120V AC CLASS IE INVERTOR	13EM054



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TAG NUMBER

DESCRIPTION

BECHTEL
SPEC/PU

1EPKAD25	120VAC CLASS IE DISTR PNL	13EM020
1EPKAN11	120VAC CLASS IE INVERTER	13EM054
1EPKAV25	480-120VAC CLASS IE VOLT RGLTR	13EM105
1EPKBD26	120VAC CLASS IE DISTR PNL	13EM020
1EPKBN12	120VAC CLASS IE INVERTER	13EM054
1EPKBV26	480-120VAC CLASS IE VOLT RGLTR	13EM105
1EPKCD27	120VAC CLASS IE DISTR PNL	13EM020
1EPKCN13	120VAC CLASS IE INVERTER	13EM054
1EPKCV27	480-120VAC CLASS IE VOLT RGLTR	13EM105
1EPKDD28	120VAC CLASS IE DISTR PNL	13EM020
1EPKDN14	120VAC CLASS IE INVERTER	13EM054
1EPKDV28	480-120VAC CLASS IE VOLT RGLTR	13EM105
1EPKDV29	480-120V CL IE VOLT RGLTR	13EM105



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TAG NUMBER

DESCRIPTION

DECTEL
SPEC/PO

1EQ8AV01

LINE REGULATORS WITH XFMR

13EM105

1EQ8AV02

480V-120 VAC CLASS 1E VOLT REG

13EM105

1EQ8BV02

LINE REGULATORS WITH XFMR

13EM105



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TAG NUMBER

DESCRIPTION

DECHTEL
SPEC/PO

1ELFAZ57

ELECT PENTRTN-COMFESHD INSTR

13E-035

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TAG NUMBER	DESCRIPTION	ECHTEL SPEC/PO
1JRCEA01A	RCP 1A XMITTER RACK	13NM001
1JRCEA01B	RCP 1B XMITTER RACK	13NM001
1JRCEA01C	RCP 2A XMITTER RACK	13NM001
1JRCEA01D	RCP 2B XMITTER RACK	13NM001
1JRCEA02A	RCP 1A XMITTER RACK	13NM001
1JRCEA02B	RCP 1B XMITTER RACK	13NM001
1JRCEA02C	RCP 2A XMITTER RACK	13NM001
1JRCEA02D	RCP 2B XMITTER RACK	13NM001
1JRCEA03	PRESSURIZER XMITTER RACK	13NM001
1MRCEA02A	RCP OIL LIFT PUMP (1A)	13NM001
1MRCEA02B	RCP OIL LIFT PUMP (2A)	13NM001
1MRCEA02A	RCP OIL LIFT PUMP (1B)	13NM001
1MRCEA02B	RCP OIL LIFT PUMP (2B)	13NM001
1MRCEA01	VOID	13NM001
1MRCEA02	VOID	13NM001
1MRCEA03	VOID	13NM001
1MRCEA04	VOID	13NM001
1MRCEA05	VOID	13NM001
1MRCEA06	VOID	13NM001
1MRCEA07	VOID	13NM001
1MRCEA08	VOID	13NM001
1MRCEA09	VOID	13NM001
1MRCEA10	VOID	13NM001
1MRCEA11	VOID	13NM001
1MRCEA12	VOID	13NM001
1MRCEA13	VOID	13NM001
1MRCEA14	VOID	13NM001
1MRCEA15	VOID	13NM001
1MRCEA16	VOID	13NM001
1MRCEA17	VOID	13NM001
1MRCEA18	VOID	13NM001
1MRCEA19	VOID	13NM001
1MRCEA20	VOID	13NM001
1MRCEA21	VOID	13NM001
1MRCEA22	VOID	13NM001
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1MRCEA24	VOID	13NM001
1MRCEA25	VOID	13NM001
1MRCEA26	VOID	13NM001
1MRCEA27	VOID	13NM001
1MRCEA28	VOID	13NM001
1MRCEA29	VOID	13NM001
1MRCEA30	VOID	13NM001
1MRCEA31	VOID	13NM001
1MRCEA32	VOID	13NM001
1MRCEA33	VOID	13NM001
1MRCEA34	VOID	13NM001
1MRCEA35	VOID	13NM001
1MRCEA36	VOID	13NM001
1MRCEE01A	STEAM GENERATOR (1)	13NM001
1MRCEE01B	STEAM GENERATOR (2)	13NM001
1MRCEE01H	SG. SLIDING BEARINGS AND SHIMS	13NM001
1MRCEE01I	INSULATION STEAM GENERATOR	13NM001
1MRCEE01K	KEYWAY BEARINGS STEAM GENERATOR	13NM001



AG	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
4	1MRCEE01L	STM. GEN. UPPER SUPPORT LEVERS	13NM001
5	1MRCEE01P	NOZZLE PLUGS STEAM GENERATOR	13NM001
6	1MRCEE01S	SKRUBBERS, STEAM GENERATOR	13NM001
7	1MRCEE01V	STM. GEN. BASE CIRCULAR SHIM	13NM001
8	1MRCEE01W	STM. GEN. BASE WASHERS	13NM001
9	1MRCEE01X	SLIDING BASE, STEAM GENERATOR	13NM001
10	1MRCEE04A	RC PUMP SEAL COOLER (1A)	13NM001
11	1MRCEE04B	RC PUMP SEAL COOLER (1A)	13NM001
12	1MRCEE04C	RC PUMP SEAL COOLER (1B)	13NM001
13	1MRCEE04D	RC PUMP SEAL COOLER (1B)	13NM001
14	1MRCEE04E	RC PUMP SEAL COOLER (2A)	13NM001
15	1MRCEE04F	RC PUMP SEAL COOLER (2A)	13NM001
16	1MRCEE04G	RC PUMP SEAL COOLER (2B)	13NM001
17	1MRCEE04H	RC PUMP SEAL COOLER (2B)	13NM001
18	1MRCEE05A	RC PUMP HP COOLER (1A)	13NM001
19	1MRCEE05B	RC PUMP HP COOLER (1B)	13NM001
20	1MRCEE05C	RC PUMP HP COOLER (2A)	13NM001
21	1MRCEE05D	RC PUMP HP COOLER (2B)	13NM001
22	1MRCEE02A	RC PUMP HP COOLER FILTER (1A)	13NM001
23	1MRCEE02B	RC PUMP HP COOLER FILTER (1B)	13NM001
24	1MRCEE02C	RC PUMP HP COOLER FILTER (2A)	13NM001
25	1MRCEE02D	RC PUMP HP COOLER FILTER (2B)	13NM001
26	1MRCEP01A	R.C. PUMP (1A)-INTERNAL	13NM001
27	1MRCEP01B	R.C. PUMP (1B)-INTERNAL	13NM001
28	1MRCEP01C	R.C. PUMP (2A)-INTERNAL	13NM001
29	1MRCEP01D	R.C. PUMP (2A)-INTERNAL	13NM001
30	1MRCEP01E	R. C. PUMP (1A) - MOTOR	13NM001
31	1MRCEP01EH	RCP UPPER HORIZ. COLUMNS	13NM001
32	1MRCEP01EL	RCP LOWER HORIZ. COLUMNS	13NM001
33	1MRCEP01F	R. C. PUMP (1B) - MOTOR	13NM001
34	1MRCEP01FP	RCP COOLING WATER PIPING	13NM001
35	1MRCEP01G	R. C. PUMP (2A) - MOTOR	13NM001
36	1MRCEP01GS	RCP SEAL LIFT RIG	13NM001
37	1MRCEP01H	R. C. PUMP (2B) - MOTOR	13NM001
38	1MRCEP01HR	RCP COUPLING REMOVAL TOOL	13NM001
39	1MRCEP01I	R. C. PUMP (1A) - BOWL	13NM001
40	1MRCEP01IN	INSULATION, R.C. PUMP	13NM001
41	1MRCEP01J	R. C. PUMP (1B) - BOWL	13NM001
42	1MRCEP01JC	RCP CASING AND SKIRT	13NM001
43	1MRCEP01K	R. C. PUMP (2A) - BOWL	13NM001
44	1MRCEP01L	R. C. PUMP (2B) - BOWL	13NM001
45	1MRCEP01LV	RCP VERTICAL COLUMNS, CLEVISSES	13NM001
46	1MRCEP01O	RCP MOTOR WATER PIPE (4)	13NM001
47	1MRCEP01R	RCP MOTOR MISC INSTRUMENT (4)	13NM001
48	1MRCEP01S	RCP SNUBBER	13NM001
49	1MRCEP01T	RCP TENSIONERS	13NM001
50	1MRCEP01U	ROTATING ELEMENT, RCP	13NM001
51	1MRCEP01V	DIFFUSER, RCP	13NM001
52	1MRCEP01W	SEAL HOUSING AND COVER, RCP	13NM001
53	1MRCEP01X	LUBE OIL SYSTEM, RCP	13NM001
54	1MRCEP01Y	HP COOLER AND VALVES, RCP	13NM001
55	1MRCEP01Z	SEAL PIPING, RCP	13NM001
56	1MRCEV02I	INSULATION, PIPE	13NM001
57	1MRCEX01	REACTOR VESSEL	13NM001

41	TAG NUMBER	DESCRIPTION	BLCHTEL SPEC/PU
4	1MRCEX01B	CEDM CUTTER	13NM001
5	1MRCEX01C	COLUMNS , REACTOR VESSEL	13NM001
6	1MRCEX01F	REACTOR VESSEL FLOW SKIRT	13NM001
7	1MRCEX01H	REACTOR VESSEL SHIMS	13NM001
8	1MRCEX01I	INSULATION , REACTOR VESSEL	13NM001
9	1MRCEX01K	CEDM BLANKS	13NM001
10	1MRCEX01N	RV STOP AND ROT TOOLS	13NM001
11	1MRCEX01P	REACTOR COOLANT PIPING	13NM001
12	1MRCEX01R	RV AND SG FASTENERS	13NM001
13	1MRCEX02	PRESSURIZER	13NM001
14	1MRCEX01K		13NM001
15	1MRCEX03A	OIL COOLER (1A)	13NM001
16	1MRCEX03B	OIL COOLER (1B)	13NM001
17	1MRCEX03C	OIL COOLER (2A)	13NM001
18	1MRCEX03D	OIL COOLER (2B)	13NM001
19	1MRCEX01A	OIL LIFT PUMP FILTER 1A	13NM001
20	1MRCEX01B	OIL LIFT PUMP FILTER 1B	13NM001
21	1MRCEX01C	OIL LIFT PUMP FILTER 2A	13NM001
22	1MRCEX01D	OIL LIFT PUMP FILTER 2B	13NM001
23	1MRCEX02A	RCP POWER JUNCTION BOX	13NM001
24	1MRCEX02AI	RCP INSTRUMENT. JUNCTION BOX	13NM001
25	1MRCEX02AP	RCP POWER JUNCTION BOX	13NM001
26	1MRCEX02B	RCP POWER JUNCTION BOX	13NM001
27	1MRCEX02BI	RCP INSTRUMENT. JUNCTION BOX	13NM001
28	1MRCEX02BP	RCP POWER JUNCTION BOX	13NM001
29	1MRCEX02C	RCP POWER JUNCTION BOX	13NM001
30	1MRCEX02CI	RCP INSTRUMENT. JUNCTION BOX	13NM001
31	1MRCEX02CP	RCP POWER JUNCTION BOX	13NM001
32	1MRCEX02D	RCP POWER JUNCTION BOX	13NM001
33	1MRCEX02DI	RCP INSTRUMENT. JUNCTION BOX	13NM001
34	1MRCEX02DP	RCP POWER JUNCTION BOX	13NM001
35	1MRCEX01A	OIL LIFT TANK (1)	13NM001
36	1MRCEX01B	OIL LIFT TANK (2)	13NM001
37	1MRCEX01C	OIL LIFT TANK (3)	13NM001
38	1MRCEX01D	OIL LIFT TANK (4)	13NM001
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TAG NUMBER

RECHTEL
SPEC/PO

1PRCAV206	13NF001
1PRCAV208	13NM001
1PRCAV276	13NM001
1PRCAV277	13NM001
1PRCAV284	13NM001
1PRCAV285	13NF001
1PRCAV297	13NM001
1PRCAV298	13NM001
1PRCBV274	13NM001
1PRCBV275	13NF001
1PRCCV204	13NM001
1PRCCV272	13NF001
1PRCCV273	13NF001
1PRCCV280	13NM001
1PRCCV281	13NM001
1PRCDV205	13NM001
1PRCDV270	13NM001
1PRCDV271	13NF001
1PRCDV278	13NF001
1PRCDV279	13NF001
1PRCEV001	13PM221A
1PRCEV056	13PM221A
1PRCEV057	13PM221A
1PRCEV058	13PM221A
1PRCEV059	13PM221A
1PRCEV060	13PM221A
1PRCEV061	13PM221A
1PRCEV062	13PM221A
1PRCEV200	13PM221C
1PRCEV207	13NM001
1PRCEV209	13NF001
1PRCEV210	13NM001
1PRCEV211	13NM001
1PRCEV212	13NM001
1PRCEV213	13NM001
1PRCEV214	13NF001 C
1PRCEV215	13NF001 C
1PRCEV216	13NM001 C
1PRCEV217	13NF001
1PRCEV232	13NF001 C
1PRCEV233	13NM001 C
1PRCEV234	13NF001 C
1PRCEV235	13NM001 C
1PRCEV236	13NM001 C
1PRCEV237	13NM001 C
1PRCEV238	13NF001 C
1PRCEV239	13NM001
1PRCEV240	13NF001 C
1PRCEV241	13NF001 C
1PRCEV242	13NM001 C
1PRCEV243	13NF001 C
1PRCEV244	13NF001 C
1PRCEV248	13NF001
1PRCEV249	13NF001



TAG NUMBER

BECHTEL
SPEC/PO

1PRCEV252	13NM001
1PRCEV253	13NM001
1PRCEV256	13NM001
1PRCEV257	13NM001
1PRCEV260	13NM001
1PRCEV261	13NM001
1PRCEV282	13NM001
1PRCEV283	13NM001
1PRCEV292	13NM001
1PRCEV293	13NM001
1PRCEV294	13NM001
1PRCEV295	13NM001
1PRCEV296	13NM001
1PRCEV299	13NM001
1PRCEV332	13NM001 C
1PRCEV333	13NM001 C
1PRCEV334	13NM001 C
1PRCEV335	13NM001 C
1PRCEV872	13PM221C
1PRCEV873	13PM221C
1PRCEV874	13PM221C
1PRCEV875	13PM221C
1PRCEV876	13PM221C
1PRCNV015	13PM221A
1PRCNV063	13PM221A
1PRCNV067	13PM221A
1PRCNV068	13PM221A
1PRCNV069	13PM221A
1PRCNV070	13PM221A
1PRCNV071	13PM221A
1PRCNV072	13PM221A
1PRCNV073	13PM221A
1PRCNV074	13PM221A
1PRCNV075	13PM221A
1PRCNV076	13PM221A
1PRCNV077	13PM221A
1PRCNV078	13PM221A
1PRCNV112	13NM001
1PRCNV113	13NM001
1PRCNV114	13NM001
1PRCNV115	13NM001
1PRCNV320	13NM001
1PRCNV321	13NM001
1PRCNV322	13NM001
1PRCNV323	13NM001
1PRCNV344	13NM001
1PRCNV345	13NM001
1PRCNV346	13NM001
1PRCNV347	13NM001
1PRCNV367	13NM001
1PRCNV368	13NM001
1PRCNV369	13NM001
1PRCNV370	13NM001
1PRCNV380	13NM001



TAG NUMBER

PECHTEL
SPEC/PO

1PRCNV381	13NM001
1PRCNV382	13NM001
1PRCNV383	13NM001
1PRCNV481	13NM001
1PRCNV482	13NM001
1PRCNV700	13NM001
1PRCNV701	13NM001
1PRCNV702	13NM001
1PRCNV703	13NM001
1PRCNV712	13NM001
1PRCNV713	13NM001
1PRCNV714	13NM001
1PRCNV715	13NM001
1PRCNV716	13NM001
1PRCNV717	13NM001
1PRCNV718	13NM001
1PRCNV719	13NM001
1PRCNV724	13NM001
1PRCNV725	13NM001
1PRCNV726	13NM001
1PRCNV727	13NM001
1PRCNV736	13NM001
1PRCNV737	13NM001
1PRCNV738	13NM001
1PRCNV739	13NM001
1PRCNV740	13NM001
1PRCNV741	13NM001
1PRCNV742	13NM001
1PRCNV743	13NM001
1PRCNV752	13NM001
1PRCNV753	13NM001
1PRCNV754	13NM001
1PRCNV755	13NM001
1PRCNV772	13NM001
1PRCNV773	13NM001
1PRCNV774	13NM001
1PRCNV775	13NM001
1PRCNV796	13NM001
1PRCNV797	13NM001
1PRCNV798	13NM001
1PRCNV799	13NM001
1PRCNV800	13NM001
1PRCNV801	13NM001
1PRCNV802	13NM001
1PRCNV803	13NM001
1PRCNV868	13NM001
1PRCNV870	13NM001
1PRCNV871	13NM001

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INSTRUMENT - "W" CLASS

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AI	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
4	1JRCAMS 0100-4	PRZR BACKUP HTR BRKR A	J-200
5	1JRCAMS 010041	PRZR BACKUP HTR--RS	N-001
6	1JRCAMS 0101	REACTOR VESSEL HEAD VENT	J-200
7	1JRCAMS 0103	PRESSURIZER VENT	J-200
8	1JRCAMS 0106	PRESSURIZER/RV HD VENT TO CONT	J-200
9	1JRCAMV 0101	REACTOR VESSEL HEAD VENT	J-603
10	1JRCAMV 0103	PRESSURIZER VENT	J-603
11	1JRCAMV 0106	PRESSURIZER/RV HD VENT TO CONT	J-603
12	1JRCALI 0110X	PRZR LEVEL	N-001
13	1JRCALI 0110X1	PRZR LEVEL--RS	N-001
14	1JRCALR 0110X	PRZR LEVEL	N-001
15	1JRCALT 0110X	PRZR LEVEL CONT SYS	N-001
16	1JRCALY 0110X	I/E CONVERTOR	N-001
17	1JRCALY 0110X1	E/E CONVERTOR	N-001
18	1JRCAPC 0103	PRZR PRESS S/O CLG INTERLOCK	N-001
19	1JRCAPDT 0115A	STM GEN 1 PRIMARY LOOP	N-001
20	1JRCAPDT 0115A	STM GEN 1 PRIMARY LOOP	N-001
21	1JRCAPDT 0125A	STM GEN 2 PRIMARY LOOP	N-001
22	1JRCAPDY 0115A	STM GEN 1 PRIMARY LOOP	N-001
23	1JRCAPDY 0125A	STM GEN 2 PRIMARY LOOP	N-001
24	1JRCAPI 0101A	PRZR PRESS	N-001
25	1JRCAPI 0102A	PRZR PRESS/VAR SETPOINT	N-001
26	1JRCAPI 0102A1	PRZR PRESS--RS	N-001
27	1JRCAPI 0103	PRZR PRESS	N-001
28	1JRCAPI 0199A	PZR OVER PRESS TRIP TO SPS	N-001
29	1JRCAPR 0102A	PRZR PRESS	N-001
30	1JRCAPSH 0103	PZR PRESS	N-001
31	1JRCAPT 0101A	PRZR PRESS=PPS HI/CPC	N-001
32	1JRCAPT 0102A	PRZR PRESS=PPS LO/BYPASS	N-001
33	1JRCAPT 0103	PRZR PRESS	N-001
34	1JRCAPT 0199A	PRZR OVER PRESS TRIP TO SPS	N-001
35	1JRCAPY 0101A	I/E CONVERTOR	N-001
36	1JRCAPY 0102A	I/E CONVERTOR	N-001
37	1JRCAPY 0103	I/E CONVERTOR	N-001
38	1JRCASE 0113A	RC PUMP 1A	N-001
39	1JRCASE 0123A	RC PUMP 1B	N-001
40	1JRCASE 0133A	RC PUMP 2A	N-001
41	1JRCASE 0143A	RC PUMP 2B	N-001
42	1JRCAST 0113A	RC PUMP 1A	N-001
43	1JRCAST 0123A	RC PUMP 1B	N-001
44	1JRCAST 0133A	RC PUMP 2A	N-001
45	1JRCAST 0143A	RC PUMP 2B	N-001
46	1JRCASY 0103A	RC PUMPS 1A/1B/2A/2B F(X)	N-001
47	1JRCATE 0112CA	RC COLD LEG 1A	N-001
48	1JRCATE 0112C1	RC COLD LEG 1A	N-001
49	1JRCATE 0112HA	RC HOT LEG TO SG 1	N-001
50	1JRCATE 0112H1	RC HOT LEG TO SG 1	N-001
51	1JRCATE 0115	RC COLD LEG 1A	N-001
52	1JRCATE 0122CA	RC COLD LEG 2A	N-001
53	1JRCATE 0122C1	RC COLD LEG 2A	N-001
54	1JRCATE 0122HA	RC HOT LEG TO SG 2	N-001
55	1JRCATE 0122H1	RC HOT LEG TO SG 2	N-001
56	1JRCATI 0112CA	RC COLD LEGS 1A/2A	N-001
57	1JRCATI 0112HA	RC HOT LEGS 1/2	N-001



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TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1JRCATI 0112M1	RC HOT LEG TO SG 1--RS	N-001
1JRCATI 0115	RC COLD LEG 1A	N-001
1JRCATR 0112HA	RC HOT LEGS 1/2	N-001
1JRCATT 0112CA	RC COLD LEG 1A	N-001
1JRCATT 0112C1	RC COLD LEG 1A	N-001
1JRCATT 0112HA	RC HOT LEG TO SG 1	N-001
1JRCATT 0112M1	RC HOT LEG TO SG 1	N-001
1JRCATT 0115	RC COLD LEG 1A	N-001
1JRCATI 0122CA	RC COLD LEG 2A	N-001
1JRCATI 0122HA	RC HOT LEG TO SG 2	N-001
1JRCATT 0122M1	RC HOT LEG TO SG 2	N-001
1JRCATY 0115	I/E CONVERTOR	N-001
1JRCATY 0122CA	I/E CONVERTOR	N-001
1JRCATY 0122HA	I/E CONVERTOR	N-001
1JRCBHS 0100-5	PRZR BACKUP HTR BRKR B	J-200
1JRCBHS 010051	PRZR BACKUP HTR--RS	N-001
1JRCBHS 0102	REACTOR VESSEL HEAD VENT	J-200
1JRCBHS 0104	PRESSURIZER VENT	J-200
1JRCBHS 0105	PRESSURIZER/RV HD VENT TO RDT	J-200
1JRCBHV 0102	REACTOR VESSEL HEAD VENT	J-603
1JRCBHV 0104	PRESSURIZER VENT	J-603
1JRCBHV 0105	PRESSURIZER/RV HD VENT TO RDT	J-603
1JRCPLI 0110Y	PRZR LEVEL	N-001
1JRCPLI 0110Y1	PRZR LEVEL--RS	N-001
1JRCBLT 0110Y	PRZR LEVEL CONT SYS	N-001
1JRCBLY 0110Y	E/E CONVERTOR	N-001
1JRCBLY 0110Y1	I/E CONVERTOR	N-001
1JRCBPC 0104	PRZR PRESS S/D CLG INTERLOCK	N-001
1JRCBPD1 0115B	STM GEN 1 PRIMARY LOOP	N-001
1JRCBPD1 0115B	STM GEN 1 PRIMARY LOOP	N-001
1JRCBPD1 0125B	STM GEN 2 PRIMARY LOOP	N-001
1JRCBPDY 0115B	STM GEN 1 PRIMARY LOOP	N-001
1JRCBPDY 0125B	STM GEN 2 PRIMARY LOOP	N-001
1JRCBP1 0101B	PRZR PRESS	N-001
1JRCBP1 0102B	PRZR PRESS/VAR SETPOINT	N-001
1JRCBP1 0102B1	PRZR PRESS--RS	N-001
1JRCBP1 0104	PRZR PRESS	N-001
1JRCBP1 0199B	PZR OVER PRESS TRIP TO SPS	N-001
1JRCBPSH 0104	PZR PRESS	N-001
1JRCBPT 0101B	PRZR PRESS-PPS HI/CPC	N-001
1JRCBPT 0102B	PRZR PRESS-PPS LO/BYPASS	N-001
1JRCBPT 0104	PRZR PRESS	N-001
1JRCBPT 0199B	PRZR OVER PRESS TRIP TO SPS	N-001
1JRCBPY 0101B	I/E CONVERTOR	N-001
1JRCBPY 0102B	I/E CONVERTOR	N-001
1JRCBPY 0104	I/E CONVERTOR	N-001
1JRCBSE 0113B	RC PUMP 1A	N-001
1JRCBSE 0123B	RC PUMP 1B	N-001
1JRCBSE 0133B	RC PUMP 2A	N-001
1JRCBSE 0143B	RC PUMP 2B	N-001
1JRCBST 0113B	RC PUMP 1A	N-001
1JRCBST 0123B	RC PUMP 1B	N-001
1JRCBST 0133B	RC PUMP 2A	N-001
1JRCBST 0143B	RC PUMP 2B	N-001

1	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PG
1	1JRCBSY 0103B	RC PUMPS 1A/1B/2A/2B F(X)	N-001
5	1JRCBIE 0112CB	RC COLD LEG 1B	N-001
6	1JRCBIE 0112C2	RC COLD LEG 1B	N-001
7	1JRCBIE 0112H6	RC HOT LEG TO SG 1	N-001
8	1JRCBIE 0112H2	RC HOT LEG TO SG 1	N-001
9	1JRCBIE 0122CB	RC COLD LEG 2B	N-001
10	1JRCBIE 0122C2	RC COLD LEG 2B	N-001
11	1JRCBIE 0122H6	RC HOT LEG TO SG 2	N-001
12	1JRCBIE 0122H2	RC HOT LEG TO SG 2	N-001
13	1JRCBIE 0125	RC COLD LEG 2B	N-001
14	1JRCBT1 0112CB	RC COLD LEGS 1B/2B	N-001
15	1JRCBT1 0112H6	RC HOT LEGS 1/2	N-001
16	1JRCBT1 0122H1	RC HOT LEG TO SG 2--RS	N-001
17	1JRCBT1 0125	RC COLD LEG 2B	N-001
18	1JRCBT1 0112CB	RC COLD LEG 1B	N-001
19	1JRCBT1 0112C2	RC COLD LEG 1B	N-001
20	1JRCBT1 0112H6	RC HOT LEG TO SG 1	N-001
21	1JRCBT1 0112H2	RC HOT LEG TO SG 1	N-001
22	1JRCBT1 0122CB	RC COLD LEG 2B	N-001
23	1JRCBT1 0122C2	RC COLD LEG 2B	N-001
24	1JRCBT1 0122H6	RC HOT LEG TO SG 2	N-001
25	1JRCBT1 0122H2	RC HOT LEG TO SG 2	N-001
26	1JRCBT1 0125	RC COLD LEG 2B	N-001
27	1JRCBIY 0122CB	I/E CONVERTOR	N-001
28	1JRCBIY 0122H6	I/E CONVERTOR	N-001
29	1JRCBIY 0125	I/E CONVERTOR	N-001
30	1JRCCPC 0105	PRZR PRESS S/D CLG INTERLOCK	N-001
31	1JRCCPD1 0115C	STM GEN 1 PRIMARY LOOP	N-001
32	1JRCCPD1 0115C	STM GEN 1 PRIMARY LOOP	N-001
33	1JRCCPD1 0125C	STM GEN 2 PRIMARY LOOP	N-001
34	1JRCCPDY 0115C	STM GEN 1 PRIMARY LOOP	N-001
35	1JRCCPDY 0125C	STM GEN 2 PRIMARY LOOP	N-001
36	1JRCCPI 0101C	PRZR PRESS	N-001
37	1JRCCPI 0102C	PRZR PRESS/VAL SETPOINT	N-001
38	1JRCCPI 0105	PRZR PRESS	N-001
39	1JRCCPI 0199C	PRZR OVER PRESS TRIP TO SPS	N-001
40	1JRCCPT 0101C	PRZR PRESS-PPS HI/CPIC	N-001
41	1JRCCPT 0102C	PRZR PRESS-PPS LO/BYPASS	N-001
42	1JRCCPT 0105	PRZR PRESS	N-001
43	1JRCCPT 0199C	PRZR OVER PRESS TRIP TO SPS	N-001
44	1JRCCPY 0101C	I/E CONVERTOR	N-001
45	1JRCCPY 0102C	I/E CONVERTOR	N-001
46	1JRCCPY 0105	I/E CONVERTOR	N-001
47	1JRCCSE 0113C	RC PUMP 1A	N-001
48	1JRCCSE 0123C	RC PUMP 1B	N-001
49	1JRCCSE 0133C	RC PUMP 2A	N-001
50	1JRCCSE 0143C	RC PUMP 2B	N-001
51	1JRCCST 0113C	RC PUMP 1A	N-001
52	1JRCCST 0123C	RC PUMP 1B	N-001
53	1JRCCST 0133C	RC PUMP 2A	N-001
54	1JRCCST 0143C	RC PUMP 2B	N-001
55	1JRCCSY 0103C	RC PUMPS 1A/1B/2A/2B F(X)	N-001
56	1JRCCIE 0112CC	RC COLD LEG 1A	N-001
57	1JRCCIE 0112HC	RC HOT LEG TO SG 1	N-001



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	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
4	1JRCCTE 0122CC	RC COLD LEG 2A	N-001
5	1JRCCTE 0122HC	RC HOT LEG TO SG 2	N-001
6	1JRCCTI 0112CC	RC COLD LEGS 1A/2A	N-001
7	1JRCCTI 0112HC	RC HOT LEGS 1/2	N-001
8	1JRCCTI 0112CC	RC COLD LEG 1A	N-001
9	1JRCCTI 0112HC	RC HOT LEG TO SG 1	N-001
10	1JRCCTI 0122CC	RC COLD LEG 2A	N-001
11	1JRCCTI 0122HC	RC HOT LEG TO SG 2	N-001
12	1JRCCTY 0122CC	I/E CONVERTOR	N-001
13	1JRCCTY 0122HC	I/E CONVERTOR	N-001
14	1JRCDCP 0106	PRZR PRESS S/D CLG INTERLOCK	N-001
15	1JRCDCPI 0115D	STM GEN 1 PRIMARY LOOP	N-001
16	1JRCDCPI 0115D	STM GEN 1 PRIMARY LOOP	N-001
17	1JRCDCPI 0125D	STM GEN 2 PRIMARY LOOP	N-001
18	1JRCDCPY 0115D	STM GEN 1 PRIMARY LOOP	N-001
19	1JRCDCPY 0125D	STM GEN 2 PRIMARY LOOP	N-001
20	1JRCDCPI 0101D	PRZR PRESS	N-001
21	1JRCDCPI 0102D	PRZR PRESS/VAR SETPOINT	N-001
22	1JRCDCPI 0106	PRZR PRESS LO	N-001
23	1JRCDCPI 0199D	PRZR OVER PRESS TRIP TO SPS	N-001
24	1JRCDCPT 0101D	PRZR PRESS-PPS HI/CPC	N-001
25	1JRCDCPT 0102D	PRZR PRESS-PPS LO/BYPASS	N-001
26	1JRCDCPT 0106	PRZR PRESS LO	N-001
27	1JRCDCPT 0199D	PRZR OVER PRESS TRIP TO SPS	N-001
28	1JRCDCPY 0101D	I/E CONVERTOR	N-001
29	1JRCDCPY 0102D	I/E CONVERTOR	N-001
30	1JRCDCPY 0106	I/E CONVERTOR	N-001
31	1JRCDCSE 0113D	RC PUMP 1A	N-001
32	1JRCDCSE 0123D	RC PUMP 1B	N-001
33	1JRCDCSE 0133D	RC PUMP 2A	N-001
34	1JRCDCSE 0143D	RC PUMP 2B	N-001
35	1JRCDCST 0113D	RC PUMP 1A	N-001
36	1JRCDCST 0123D	RC PUMP 1B	N-001
37	1JRCDCST 0133D	RC PUMP 2A	N-001
38	1JRCDCST 0143D	RC PUMP 2B	N-001
39	1JRCDCSY 0103D	RC PUMPS 1A/1B/2A/2B F(X)	N-001
40	1JRCDETE 0112CD	RC COLD LEG 1B	N-001
41	1JRCDETE 0112HD	RC HOT LEG TO SG 1	N-001
42	1JRCDETE 0122CD	RC COLD LEG 2B	N-001
43	1JRCDETE 0122HD	RC HOT LEG TO SG 2	N-001
44	1JRCDETI 0112CD	RC COLD LEGS 1B/2B	N-001
45	1JRCDETI 0112HD	RC HOT LEGS 1/2	N-001
46	1JRCDETI 0112CD	RC COLD LEG 1B	N-001
47	1JRCDETI 0112HD	RC HOT LEG TO SG 1	N-001
48	1JRCDETI 0122CD	RC COLD LEG 2B	N-001
49	1JRCDETI 0122HD	RC HOT LEG TO SG 2	N-001
50	1JRCDETY 0122CD	I/E CONVERTOR	N-001
51	1JRCDETY 0122HD	I/E CONVERTOR	N-001
52	1JRCDEF 0724	PRZR SAMPLE HEAT EXCH NO 3	J-425
53	1JRCDEF 0725	PRZR SAMPLE HEAT EXCH NO 2	J-425
54	1JRCDEF 0156	RCP 1A CONTROLLED BLEEDOFF	N-001
55	1JRCDEF 0166	RCP 1B CONTROLLED BLEEDOFF	N-001
56	1JRCDEF 0176	RCP 2A CONTROLLED BLEEDOFF	N-001
57	1JRCDEF 0186	RCP 2B CONTROLLED BLEEDOFF	N-001

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TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
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1JRCEHV 0403	REACTOR VSL SEAL DRAIN TO RDI	N=001
1JRCEHV 0430	RCP 1A CONTROLLED BLEEDOFF	N=001
1JRCEHV 0431	RCP 1B CONTROLLED BLEEDOFF	N=001
1JRCEHV 0432	RCP 2A CONTROLLED BLEEDOFF	N=001
1JRCEHV 0433	RCP 2B CONTROLLED BLEEDOFF	N=001
1JRCEPSV 0200	PRESSURIZER SAFETY VALVE	N=001
1JRCEPSV 0201	PRESSURIZER SAFETY VALVE	N=001
1JRCEPSV 0202	PRESSURIZER SAFETY VALVE	N=001
1JRCEPSV 0203	PRESSURIZER SAFETY VALVE	N=001
1JRCEPT 0100X	PRESSURIZER PRESS CONT SYS	N=001
1JRCEPT 0100Y	PRESSURIZER PRESS CONT SYS	N=001
1JRCEPT 0138	PRESSURIZER/RV HEAD VENT LEAK	J-311
1JRCEPV 0100E	PRZR SPRAY CONT SYS	N=001
1JRCEPV 0100F	PRZR SPRAY CONT SYS	N=001
1JRCETW 0101	PRESSURIZER	N=001
1JRCETA 0103	SPRAY FROM COLD LEG 1A	N=001
1JRCETW 0104	SPRAY FROM COLD LEG 1B NA	N=001
1JRCETW 0105	PRESSURIZER SURGE LINE	N=001
1JRCEZE 0726	PRESR RELIEF VLV	Flow Detectors (ORDER NOT PLACED)
1JRCEZE 0727	PRESR RELIEF VLV	
1JRCEZE 0728	PRESR RELIEF VLV	
1JRCEZE 0729	PRESR RELIEF VLV	
1JRCEZY 0726	PRESR RELIEF VLV	
1JRCEZY 0727	PRESR RELIEF VLV	Flow Detectors (ORDER NOT PLACED)
1JRCEZY 0728	PRESR RELIEF VLV	
1JRCEZY 0729	PRESR RELIEF VLV	
1JRCNHV 0446	RCP 1A HP COOLER INLET	N=001
1JRCNHV 0447	RCP 1B HP COOLER INLET	N=001
1JRCNHV 0448	RCP 2A HP COOLER INLET	N=001
1JRCNHV 0449	RCP 2B HP COOLER INLET	N=001
1JRCNHV 0450	RCP 1A HP COOLER OUTLET	N=001
1JRCNHV 0451	RCP 1B HP COOLER OUTLET	N=001
1JRCNHV 0452	RCP 2A HP COOLER OUTLET	N=001
1JRCNHV 0453	RCP 2B HP COOLER OUTLET	N=001
1JRCSATI 012201	RC COLD LEG 2A	N=001

TAG NUMBER

DESCRIPTION

GEOTEL
SPEC/PU

1300009

PERETRATION-KAD SUMP Sumps

13000500



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TAG NUMBER

PECHTEL
SPEC/PG

1PRDAV018	13PF221F
1PRDAV020	13PF221F
1PRDAV021	13PF221F
1PRDAV022	13PF221F
1PRDAV023	13PF221F
1PRDAV049	13PF221F
1PRDAV050	13PF221F
1PRDAV040	13PF221F
1PRDAV041	13PF221F
1PRDAV042	13PF221F
1PRDAV043	13PF221F
1PRDAV048	13PF221F
1PRDAV051	13PF221A
1PRDAV052	13PF221B
1PRDAV090	13PF221A



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TAG NUMBER	DESCRIPTION	EFFECTED SPEC/PU
1JRDARS 0023	INT CONT ISOL VLV FR RW SUMP	J-200
1JRDALSH 0147	CONT SPRAY PMP RM A	J-481
1JRDALSH 0149	HI PR SI PMP RM A	J-481
1JRDALSH 0151	LO PR SI PMP RM A	J-481
1JRDAUV 0023	INT CONT ISOL VLV FR RW SUMP	P-221B
1JRDARS 0024	EXT CONT ISOL VLV FR RW SUMP	J-200
1JRDARS 0407	CONT SUMP G/L FOR PASS	J-603
1JRDPLSH 0148	CONT SPRAY PMP RM B	J-481
1JRDPLSH 0150	HI PR SI PMP RM B	J-481
1JRDPLSH 0152	LO PR SI PMP RM B	J-481
1JRDAUV 0024	EXT CONT ISOL VLV FR RW SUMP	P-221B
1JRDAUV 0024	EXT CONT ISOL VLV FR RW SUMP	P-221B
1JRDELE 0410	CONT RW SUMP (EAST)	J-475
1JRDELE 0411	CONT RW SUMP (WEST)	J-475
1JRDELE 0410	CONT RW SUMP (EAST)	J-475
1JRDELE 0411	CONT RW SUMP (WEST)	J-475



TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PU
IERIAZ49	ELECT PENIRTN-SHLD INSTR	13EM035 A
IERID235	ELEC PENIRTN-SHLD INSTR	13EM035 A
IERIC230	ELECT PENIRTN-SHLD INSTR	13EM035 A
IERID279	ELECT PENIRTN-SHLD INSTR	13EM035 A

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TAG NUMBER	DESCRIPTION	SEC/TEL SPEC/PU
1JRIALT 0101A	REAC VESS LEVEL (HJTC)	N-001
1JRIALT 0101B	REAC VESS LEVEL (HJTC)	N-001
1JRIALT 0101C	REAC VESS LEVEL (HJTC)	N-001
1JRIALT 0101D	REAC VESS LEVEL (HJTC)	N-001
1JRIALT 0103A	REAC VESS LEVEL (HJTC)	N-001
1JRIALT 0103B	REAC VESS LEVEL (HJTC)	N-001
1JRIALT 0103C	REAC VESS LEVEL (HJTC)	N-001
1JRIALT 0103D	REAC VESS LEVEL (HJTC)	N-001
1JRIANE 0005	IN-CORE DETECTOR G-8	N-001
1JRIANE 0006	IN-CORE DETECTOR L-7	N-001
1JRIANE 0008	IN-CORE DETECTOR F-10	N-001
1JRIANE 0009	IN-CORE DETECTOR M-8	N-001
1JRIANE 0011	IN-CORE DETECTOR N-11	N-001
1JRIANE 0013	IN-CORE DETECTOR H-5	N-001
1JRIANE 0014	IN-CORE DETECTOR K-13	N-001
1JRIANE 0028	IN-CORE DETECTOR R-9	N-001
1JRIANE 0031	IN-CORE DETECTOR G-15	N-001
1JRIANE 0032	IN-CORE DETECTOR C-7	N-001
1JRIANE 0033	IN-CORE DETECTOR L-3	N-001
1JRIANE 0034	IN-CORE DETECTOR R-11	N-001
1JRIANE 0043	IN-CORE DETECTOR D-14	N-001
1JRIANE 0052	IN-CORE DETECTOR R-14	N-001
1JRIANE 0056	IN-CORE DETECTOR T-7	N-001
1JRIATE 0005	IN-CORE T/C (CORE EXIT)-G-8	N-001
1JRIATE 0006	IN-CORE T/C (CORE EXIT)-L-7	N-001
1JRIATE 0008	IN-CORE T/C (CORE EXIT)-F-10	N-001
1JRIATE 0009	IN-CORE T/C (CORE EXIT)-M-8	N-001
1JRIATE 0011	IN-CORE T/C (CORE EXIT)-N-11	N-001
1JRIATE 0013	IN-CORE T/C (CORE EXIT)-H-5	N-001
1JRIATE 0014	IN-CORE T/C (CORE EXIT)-K-13	N-001
1JRIATE 0028	IN-CORE T/C (CORE EXIT)-R-9	N-001
1JRIATE 0031	IN-CORE T/C (CORE EXIT)-G-15	N-001
1JRIATE 0032	IN-CORE T/C (CORE EXIT)-C-7	N-001
1JRIATE 0033	IN-CORE T/C (CORE EXIT)-L-3	N-001
1JRIATE 0034	IN-CORE T/C (CORE EXIT)-R-11	N-001
1JRIATE 0043	IN-CORE T/C (CORE EXIT)-D-14	N-001
1JRIATE 0052	IN-CORE T/C (CORE EXIT)-R-14	N-001
1JRIATE 0056	IN-CORE T/C (CORE EXIT) T-7	N-001
1JRIBLT 0102A	REAC VESS LEVEL (HJTC)	N-001
1JRIBLT 0102B	REAC VESS LEVEL (HJTC)	N-001
1JRIBLT 0102C	REAC VESS LEVEL (HJTC)	N-001
1JRIBLT 0102D	REAC VESS LEVEL (HJTC)	N-001
1JRIBLT 0104A	REAC VESS LEVEL (HJTC)	N-001
1JRIBLT 0104B	REAC VESS LEVEL (HJTC)	N-001
1JRIBLT 0104C	REAC VESS LEVEL (HJTC)	N-001
1JRIBLT 0104D	REAC VESS LEVEL (HJTC)	N-001
1JRIBNE 0003	IN-CORE DETECTOR K-10	N-001
1JRIBNE 0004	IN-CORE DETECTOR J-7	N-001
1JRIBNE 0010	IN-CORE DETECTOR F-7	N-001
1JRIBNE 0012	IN-CORE DETECTOR N-9	N-001
1JRIBNE 0015	IN-CORE DETECTOR F-12	N-001
1JRIBNE 0023	IN-CORE DETECTOR D-11	N-001
1JRIBNE 0024	IN-CORE DETECTOR P-7	N-001
1JRIBNE 0029	IN-CORE DETECTOR H-3	N-001



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	TAG NUMBER	DESCRIPTION	BFCNTEL SPEC/PU
4	1JRI8NE 0030	IN-CORE DETECTOR K-15	N-001
5	1JRI8NE 0037	IN-CORE DETECTOR C-12	N-001
6	1JRI8NE 0038	IN-CORE DETECTOR F-3	N-001
7	1JRI8NE 0039	IN-CORE DETECTOR R-6	N-001
8	1JRI8NE 0040	IN-CORE DETECTOR M-15	N-001
9	1JRI8NE 0051	IN-CORE DETECTOR C-4	N-001
10	1JRI8NE 0053	IN-CORE DETECTOR J-9	N-001
11	1JRI8TE 0003	IN-CORE T/C (CORE EXIT)-K-10	N-001
12	1JRI8TE 0004	IN-CORE T/C (CORE EXIT)-J-7	N-001
13	1JRI8TE 0010	IN-CORE T/C (CORE EXIT)-F-7	N-001
14	1JRI8TE 0012	IN-CORE T/C (CORE EXIT)-M-9	N-001
15	1JRI8TE 0015	IN-CORE T/C (CORE EXIT)-F-12	N-001
16	1JRI8TE 0023	IN-CORE T/C (CORE EXIT)-D-11	N-001
17	1JRI8TE 0024	IN-CORE T/C (CORE EXIT)-P-7	N-001
18	1JRI8TE 0029	IN-CORE T/C (CORE EXIT)-K-3	N-001
19	1JRI8TE 0030	IN-CORE T/C (CORE EXIT)-K-15	N-001
20	1JRI8TE 0037	IN-CORE T/C (CORE EXIT)-C-12	N-001
21	1JRI8TE 0038	IN-CORE T/C (CORE EXIT)-F-3	N-001
22	1JRI8TE 0039	IN-CORE T/C (CORE EXIT)-K-6	N-001
23	1JRI8TE 0040	IN-CORE T/C (CORE EXIT)-M-15	N-001
24	1JRI8TE 0051	IN-CORE T/C (CORE EXIT)-C-4	N-001
25	1JRI8TE 0053	IN-CORE T/C (CORE EXIT)-J-9	N-001
26	1JRI8NE 0001	IN-CORE DETECTOR J-9	N-001
27	1JRI8NE 0016	IN-CORE DETECTOR G-13	N-001
28	1JRI8NE 0017	IN-CORE DETECTOR L-5	N-001
29	1JRI8NE 0018	IN-CORE DETECTOR F-5	N-001
30	1JRI8NE 0019	IN-CORE DETECTOR J-4	N-001
31	1JRI8NE 0020	IN-CORE DETECTOR K-13	N-001
32	1JRI8NE 0026	IN-CORE DETECTOR D-6	N-001
33	1JRI8NE 0027	IN-CORE DETECTOR P-12	N-001
34	1JRI8NE 0041	IN-CORE DETECTOR B-9	N-001
35	1JRI8NE 0048	IN-CORE DETECTOR L-16	N-001
36	1JRI8NE 0049	IN-CORE DETECTOR B-6	N-001
37	1JRI8NE 0050	IN-CORE DETECTOR S-12	N-001
38	1JRI8NE 0054	IN-CORE DETECTOR B-13	N-001
39	1JRI8NE 0057	IN-CORE DETECTOR R-3	N-001
40	1JRI8NE 0058	IN-CORE DETECTOR F-17	N-001
41	1JRI8NE 0059	IN-CORE DETECTOR M-1	N-001
42	1JRICTE 0001	IN-CORE T/C (CORE EXIT)-J-9	N-001
43	1JRICTE 0016	IN-CORE T/C (CORE EXIT)-G-13	N-001
44	1JRICTE 0017	IN-CORE T/C (CORE EXIT)-L-5	N-001
45	1JRICTE 0018	IN-CORE T/C (CORE EXIT)-F-5	N-001
46	1JRICTE 0019	IN-CORE T/C (CORE EXIT)-J-4	N-001
47	1JRICTE 0020	IN-CORE T/C (CORE EXIT)-K-13	N-001
48	1JRICTE 0026	IN-CORE T/C (CORE EXIT)-D-6	N-001
49	1JRICTE 0027	IN-CORE T/C (CORE EXIT)-P-12	N-001
50	1JRICTE 0041	IN-CORE T/C (CORE EXIT)-B-9	N-001
51	1JRICTE 0048	IN-CORE T/C (CORE EXIT)-L-16	N-001
52	1JRICTE 0049	IN-CORE T/C (CORE EXIT)-B-6	N-001
53	1JRICTE 0050	IN-CORE T/C (CORE EXIT)-S-12	N-001
54	1JRICTE 0054	IN-CORE T/C (CORE EXIT)-B-13	N-001
55	1JRICTE 0057	IN-CORE T/C (CORE EXIT)-R-3	N-001
56	1JRICTE 0058	IN-CORE T/C (CORE EXIT)-F-17	N-001
57	1JRICTE 0059	IN-CORE T/C (CORE EXIT)-M-1	N-001



A-11	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
4	1JRI0NE 0002	IN-CORE DETECTOR H-9	N-001
5	1JRI0NE 0007	IN-CORE DETECTOR J-12	N-001
6	1JRI0NE 0021	IN-CORE DETECTOR U-8	N-001
7	1JRI0NE 0022	IN-CORE DETECTOR P-10	N-001
8	1JRI0NE 0025	IN-CORE DETECTOR N-5	N-001
9	1JRI0NE 0035	IN-CORE DETECTOR E-4	N-001
10	1JRI0NE 0036	IN-CORE DETECTOR N-14	N-001
11	1JRI0NE 0042	IN-CORE DETECTOR H-16	N-001
12	1JRI0NE 0044	IN-CORE DETECTOR K-2	N-001
13	1JRI0NE 0045	IN-CORE DETECTOR E-15	N-001
14	1JRI0NE 0046	IN-CORE DETECTOR N-3	N-001
15	1JRI0NE 0047	IN-CORE DETECTOR G-2	N-001
16	1JRI0NE 0055	IN-CORE DETECTOR A-10	N-001
17	1JRI0NE 0060	IN-CORE DETECTOR D-2	N-001
18	1JRI0NE 0061	IN-CORE DETECTOR P-16	N-001
19	1JRI0TE 0002	IN-CORE T/C (CORE EXIT)-H-9	N-001
20	1JRI0TE 0007	IN-CORE T/C (CORE EXIT)-J-12	N-001
21	1JRI0TE 0021	IN-CORE T/C (CORE EXIT)-U-8	N-001
22	1JRI0TE 0022	IN-CORE T/C (CORE EXIT)-P-10	N-001
23	1JRI0TE 0025	IN-CORE T/C (CORE EXIT)-N-5	N-001
24	1JRI0TE 0035	IN-CORE T/C (CORE EXIT)-E-4	N-001
25	1JRI0TE 0036	IN-CORE T/C (CORE EXIT)-N-14	N-001
26	1JRI0TE 0042	IN-CORE T/C (CORE EXIT)-H-16	N-001
27	1JRI0TE 0044	IN-CORE T/C (CORE EXIT)-K-2	N-001
28	1JRI0TE 0045	IN-CORE T/C (CORE EXIT)-E-15	N-001
29	1JRI0TE 0046	IN-CORE T/C (CORE EXIT)-N-3	N-001
30	1JRI0TE 0047	IN-CORE T/C (CORE EXIT)-G-2	N-001
31	1JRI0TE 0055	IN-CORE T/C (CORE EXIT)-A-10	N-001
32	1JRI0TE 0060	IN-CORE T/C (CORE EXIT)-D-2	N-001
33	1JRI0TE 0061	IN-CORE T/C (CORE EXIT)-P-16	N-001
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TAG NUMBER

DESCRIPTION

DECTEL
SPEC/PG

1JRKAA0A 0002C IE ANNUNCIATOR

J-108

1JRKAA0A 0004D IE ANNUNCIATOR

J-108

1JRKE0A 0002D IE ANNUNCIATOR

J-108

1JRKE0A 0004E IE ANNUNCIATOR

J-108

TAG NUMBER	DESCRIPTION	DECTEL SPEC/PO
1JRMAB01	CONTROL BOARD-ELECT MIMIC BUS	13JM200 C
1JRMAB02	CONTROL BOARD-ESF SYSTEM	13JM200
1JRMAB03	CONTROL BOARD-CVCS MIMIC	13JM200
1JRMAB04	CONTROL BOARD-RRS	13JM200
1JRMAB05	CONTROL BOARD-PPS COND SYSTEM	13JM200
1JRMAB06	CONTROL BOARD-MS/TG	13JM200
1JRMAB07	CONTROL BOARD-AUX SYSTEMS	13JM200
1JRMAB01	CONTROL BOARD-ELECT MIMIC BUS	13JM200
1JRMAB02	CONTROL BOARD-ESF SYSTEM	13JM200
1JRMAB03	CONTROL BOARD-CVCS MIMIC	13JM200
1JRMAB04	CONTROL BOARD-RRS	13JM200
1JRMAB05	CONTROL BOARD-PPS COND SYSTEM	13JM200
1JRMAB06	CONTROL BOARD-MS/TG	13JM200
1JRMAB07	CONTROL BOARD-AUX SYSTEMS	13JM200
1JRMAB02	CONTROL BOARD-ESF SYSTEM	13JM200
1JRMAB04	CONTROL BOARD-RRS	13JM200
1JRMAB05	CONTROL BOARD-PPS COND SYSTEM	13JM200
1JRMAB01	CONTROL BOARD-ELECT MIMIC BUS	13JM200
1JRMAB02	CONTROL BOARD-ESF SYSTEM	13JM200
1JRMAB03	CONTROL BOARD-CVCS MIMIC	13JM200
1JRMAB04	CONTROL BOARD-RRS	13JM200
1JRMAB05	CONTROL BOARD-PPS COND SYSTEM	13JM200
1JRMAB06	CONTROL BOARD-MS/TG	13JM200
1JRMAB07	CONTROL BOARD-AUX SYSTEMS	13JM200



TAG NUMBER	DESCRIPTION	DECTEL SPEC/PU
1ESAA247	ELECT PENRTIN-SHLD INSTR	13EM035 A
1ESAB237	ELEC PENRTIN-SHLD INSTR	13EM035 A
1ESAC726	ELECT PENRTIN-SHLD INSTR	13EM035 A
1ESAD281	ELECT PENRTIN-SHLD INSTR	13EM035 A
1ESAD285	ELECT PENRTIN-	13EM035 A
1JSAA001	ESFAS AUX RELAY CABINET A	13NM001
1JSAA002	BOP ESFAS CABINET	13JM104
1JSAA002A	BOP ESFAS CABINET	13JM104
1JSAA002B	BOP ESFAS CABINET	13JM104
1JSAA003	AUXILIARY PROTECTIVE CABINET A	13NM001
1JSAA004	ELECTRONIC ISOL SYS CAB A	13JM108
1JSAA001	ESFAS AUX RELAY CABINET B	13NM001
1JSAB002	BOP ESFAS CABINET	13JM104
1JSAB002A	BOP ESFAS CABINET	13JM104
1JSAB002B	BOP ESFAS CABINET	13JM104
1JSAB003	AUXILIARY PROTECTIVE CABINET B	13NM001
1JSAB004	ELECTRONIC ISOL SYS CAB B	13JM108
1JSACC03	AUXILIARY PROTECTIVE CABINET C	13NM001
1JSACC04	ELECTRONIC ISOL SYS CAB C	13JM108
1JSADC03	AUXILIARY PROTECTIVE CABINET D	13NM001
1JSADC04	ELECTRONIC ISOL SYS CAB D	13JM108
1JSAA002A	BOP ESFAS CABINET	13JM104
1JSAA002B	BOP ESFAS CABINET	13JM104



A.1	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1	1JSAAHS 0001	SIAS MANUAL ACTUATION A	J-200
2	1JSAAHS 0005	CIAS MANUAL ACTUATION A	J-200
3	1JSAAHS 0009A	MSIS MANUAL ACTUATION A	J-200
4	1JSAAHS 0009B	MSIS MANUAL ACTUATION A	N-001
5	1JSAAHS 0013	CSAS MANUAL ACTUATION A	J-200
6	1JSAAHS 0017	AFAS-1 MANUAL ACTUATION A	J-200
7	1JSAAHS 0021	AFAS-2 MANUAL ACTUATION A	J-200
8	1JSAAHS 0025	CPIAS MANUAL ACTUATION A	J-200
9	1JSAAHS 0027	CREFAS MANUAL ACTUATION A	J-200
10	1JSAAHS 0029	FREVAS MANUAL ACTUATION A	J-200
11	1JSAAHS 0031	CRVIAS MANUAL ACTUATION A	J-200
12	1JSAAHS 0043	RAS MANUAL ACTUATION A	J-200
13	1JSAUIC 0033	CORE PROTECTION CALC OP MOD A	N-001
14	1JSAUIC 0037	PPS REMOTE OPER MODULE A	N-001
15	1JSABHS 0002	SIAS MANUAL ACTUATION B	J-200
16	1JSABHS 0006	CIAS MANUAL ACTUATION B	J-200
17	1JSABHS 0010A	MSIS MANUAL ACTUATION B	J-200
18	1JSABHS 0010B	MSIS MANUAL ACTUATION B	N-001
19	1JSABHS 0014	CSAS MANUAL ACTUATION B	J-200
20	1JSABHS 0018	AFAS-1 MANUAL ACTUATION B	J-200
21	1JSABHS 0022	AFAS-2 MANUAL ACTUATION B	J-200
22	1JSABHS 0026	CPIAS MANUAL ACTUATION B	J-200
23	1JSABHS 0028	CREFAS MANUAL ACTUATION B	J-200
24	1JSABHS 0030	FREVAS MANUAL ACTUATION B	J-200
25	1JSABHS 0032	CRVIAS MANUAL ACTUATION B	J-200
26	1JSABHS 0044	RAS MANUAL ACTUATION B	J-200
27	1JSABUIC 0034	CORE PROTECTION CALC OP MOD B	N-001
28	1JSABUIC 0038	PPS REMOTE OPER MODULE B	N-001
29	1JSACHS 0003	SIAS MANUAL ACTUATION C	J-200
30	1JSACHS 0007	CIAS MANUAL ACTUATION C	J-200
31	1JSACHS 0011A	MSIS MANUAL ACTUATION C	J-200
32	1JSACHS 0011B	MSIS MANUAL ACTUATION C	N-001
33	1JSACHS 0015	CSAS MANUAL ACTUATION C	J-200
34	1JSACHS 0019	AFAS-1 MANUAL ACTUATION C	J-200
35	1JSACHS 0023	AFAS-2 MANUAL ACTUATION C	J-200
36	1JSACHS 0045	RAS MANUAL ACTUATION C	J-200
37	1JSACUIC 0035	CORE PROTECTION CALC OP MOD C	N-001
38	1JSACUIC 0039	PPS REMOTE OPER MODULE C	N-001
39	1JSADHS 0004	SIAS MANUAL ACTUATION D	J-200
40	1JSADHS 0008	CIAS MANUAL ACTUATION D	J-200
41	1JSADHS 0012A	MSIS MANUAL ACTUATION D	J-200
42	1JSADHS 0012B	MSIS MANUAL ACTUATION D	N-001
43	1JSADHS 0016	CSAS MANUAL ACTUATION D	J-200
44	1JSADHS 0020	AFAS-1 MANUAL ACTUATION D	J-200
45	1JSADHS 0024	AFAS-2 MANUAL ACTUATION D	J-200
46	1JSADHS 0046	RAS MANUAL ACTUATION D	J-200
47	1JSADUIC 0036	CORE PROTECTION CALC OP MOD D	N-001
48	1JSADUIC 0040	PPS REMOTE OPER MODULE D	N-001



TAG NUMBER	DESCRIPTION	EQUIP SPEC/PU
1JSFAA01	PRESSURIZER XMITTER RACK-PPS	13NM001
1JSFAA02	SG 1/RCP 1B XMITTER RACK-PPS	13NM001
1JSFAA03	SI 1R/RCP 1A XMITTER RACK-PPS	13NM001
1JSFAA04	SG 1/ST 1R 1B XMITTER RACK-PPS	13NM001
1JSFAA05	SG 2/RCP 2A XMITTER RACK-PPS	13NM001
1JSFAA06	SG 2/RCP 2B XMITTER RACK-PPS	13NM001
1JSFAC01	PLANT PROTECTION SYSTEM CAB	13NM001
1JSFAC02A	PROCESS PROTECTIVE CABINET A1	13NM001
1JSFAC02B	PROCESS PROTECTIVE CABINET A2	13NM001
1JSFAC03	REACTOR TRIP SWITCHGEAR A	13NM001
1JSFAC04	SUPPLEMENTARY PROTECTION A	13NM001
1JSFBA01	PRESSURIZER XMITTER RACK-PPS	13NM001
1JSFBA02	SG 1/RCP 1B XMITTER RACK-PPS	13NM001
1JSFBA03	SG 1/RCP 1A XMITTER RACK-PPS	13NM001
1JSFBA04	SI 1R/RCP 2A XMITTER RACK-PPS	13NM001
1JSFBA05	SG 2/ST 1P 2B XMITTER RACK-PPS	13NM001
1JSFBA06	SG 2/RCP 2B XMITTER RACK-PPS	13NM001
1JSFBC01	PLANT PROTECTION SYSTEM CAB	13NM001
1JSFBC02A	PROCESS PROTECTIVE CABINET B1	13NM001
1JSFBC02B	PROCESS PROTECTIVE CABINET B2	13NM001
1JSFBC03	REACTOR TRIP SWITCHGEAR B	13NM001
1JSFBC04	SUPPLEMENTARY PROTECTION B	13NM001
1JSFCA01	PRESSURIZER XMITTER RACK-PPS	13NM001
1JSFCA02	SG 1/RCP 1B XMITTER RACK-PPS	13NM001
1JSFCA03	SG 1/RCP 1A XMITTER RACK-PPS	13NM001
1JSFCA04	SG 2/RCP 2B XMITTER RACK-PPS	13NM001
1JSFCA05	SG 2/RCP 2A XMITTER RACK-PPS	13NM001
1JSFCC01	PLANT PROTECTION SYSTEM CAB	13NM001
1JSFCC02A	PROCESS PROTECTIVE CABINET C	13NM001
1JSFCC03	REACTOR TRIP SWITCHGEAR C	13NM001
1JSFCC04	SUPPLEMENTARY PROTECTION C	13NM001
1JSBDA01	PRESSURIZER XMITTER RACK-PPS	13NM001
1JSBDA02	SG 1/RCP 1B XMITTER RACK-PPS	13NM001
1JSBDA03	SG 1/RCP 1A XMITTER RACK-PPS	13NM001
1JSBDA04	SG 2/RCP 2B XMITTER RACK-PPS	13NM001
1JSBDA05	SG 2/RCP 2A XMITTER RACK-PPS	13NM001
1JSBDC01	PLANT PROTECTION SYSTEM CAB	13NM001
1JSBDC02A	PROCESS PROTECTIVE CABINET D	13NM001
1JSBDC03	REACTOR TRIP SWITCHGEAR D	13NM001
1JSBDC04	SUPPLEMENTARY PROTECTION D	13NM001
1JSBNC03A	REACTOR TRIP SWITCHGEAR	13NM001
1JSBNC03B	REACTOR TRIP SWITCHGEAR	13NM001
1JSBNC03C	REACTOR TRIP SWITCHGEAR	13NM001
1JSBNC03D	REACTOR TRIP SWITCHGEAR	13NM001



A	TAG NUMBER	DESCRIPTION	SHEET SPEC/PU
5	1JSBARS 0001	MANUAL REACTOR TRIP CH A	J-200
6	1JSBARS 0005	SG PRESS VAR SETPOINT RESET	N-001
7	1JSBARS 0009	PZR PRESS VAR SETPOINT RESET	N-001
8	1JSBARS 0002	MANUAL REACTOR TRIP CH B	J-200
9	1JSBARS 0006	SG PRESS VAR SETPOINT RESET	N-001
10	1JSBARS 0010	PZR PRESS VAR SETPOINT RESET	N-001
11	1JSBARS 0003	MANUAL REACTOR TRIP CH C	J-200
12	1JSBARS 0007	SG PRESS VAR SETPOINT RESET	N-001
13	1JSBARS 0011	PZR PRESS VAR SETPOINT RESET	N-001
14	1JSBARS 0004	MANUAL REACTOR TRIP CH D	J-200
15	1JSBARS 0008	SG PRESS VAR SETPOINT RESET	N-001
16	1JSBARS 0012	PZR PRESS VAR SETPOINT RESET	N-001
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TAG NUMBER

DESCRIPTION

BECHTEL
SPEC/PU

1ESEA251

ELECT PENETRIN-SOLD INSTR&COAX

13EM035

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1ESEA236

ELECT PENETRIN-SOLD INSTR&COAX

13EM035

A

1ESEA275

ELECT PENETRIN-SOLD INSTR&COAX

13EM035

A



TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PU
1JSEAJI 0001A	NEUTRON FLX LOG POWER CH A	N-001
1JSEAJI 0001A1	EX-CORE LOG POWER CH A - RS	N-001
1JSEAJI 0003A	LOCAL POWER DENSITY MARGIN A	N-001
1JSEAJI 0004A	DNBR MARGIN CH A	N-001
1JSEAJKI 0001A	POWER RATE OF CHANGE CH A	N-001
1JSEAJK 0001A	LINEAR/CALIB LINEAR POWER A	N-001
1JSEAJSHL0001A	LINEAR/CALIB LINEAR PWR DEV A	N-001
1JSEAJY 0001A	E/E CONVERTOR	N-001
1JSEAJY 0001A1	E/E CONVERTOR	N-001
1JSEAJY 0001A2	E/E CONVERTOR	N-001
1JSEAJY 0001A3	E/E CONVERTOR	N-001
1JSEANE 0001A	EX-CORE DETECTOR SAFETY CH A	N-001
1JSEANI 0001A	PRE-AMP	N-001
1JSEBJI 0001B	NEUTRON FLX LOG POWER CH B	N-001
1JSEBJI 0001B1	EX-CORE LOG POWER CH B - RS	N-001
1JSEBJI 0003B	LOCAL POWER DENSITY MARGIN B	N-001
1JSEBJI 0004B	DNBR MARGIN CH B	N-001
1JSEBJKI 0001B	POWER RATE OF CHANGE CH B	N-001
1JSEBJR 0001B	LINEAR/CALIB LINEAR POWER B	N-001
1JSEBJSHL0001B	LINEAR/CALIB LINEAR PWR DEV B	N-001
1JSEBJY 0001B	E/E CONVERTOR	N-001
1JSEBJY 0001B1	E/E CONVERTOR	N-001
1JSEBJY 0001B2	E/E CONVERTOR	N-001
1JSEBJY 0001B3	E/E CONVERTOR	N-001
1JSEBNE 0001B	EX-CORE DETECTOR SAFETY CH B	N-001
1JSEBNI 0001B	PRE-AMP	N-001
1JSECJI 0001C	NEUTRON FLX LOG POWER C	N-001
1JSECJI 0003C	LOCAL POWER DENSITY MARGIN C	N-001
1JSECJI 0004C	DNBR MARGIN CH C	N-001
1JSECJKI 0001C	POWER RATE OF CHANGE CH C	N-001
1JSECJR 0001C	LINEAR/CALIB LINEAR POWER C	N-001
1JSECJSHL0001C	LINEAR/CALIB LINEAR PWR DEV C	N-001
1JSECJY 0001C	E/E CONVERTOR	N-001
1JSECJY 0001C1	E/E CONVERTOR	N-001
1JSECJY 0001C2	E/E CONVERTOR	N-001
1JSECJY 0001C3	E/E CONVERTOR	N-001
1JSECNE 0001C	EX-CORE DETECTOR SAFETY CH C	N-001
1JSECNI 0001C	PRE-AMP	N-001
1JSEDJI 0001D	NEUTRON FLX LOG POWER CH D	N-001
1JSEDJI 0003D	LOCAL POWER DENSITY MARGIN D	N-001
1JSEDJI 0004D	DNBR MARGIN CH D	N-001
1JSEDJKI 0001D	POWER RATE OF CHANGE CH D	N-001
1JSEDJR 0001D	LINEAR/CALIB LINEAR POWER D	N-001
1JSEDJSHL0001D	LINEAR/CALIB LINEAR PWR DEV D	N-001
1JSEDJY 0001D	E/E CONVERTOR	N-001
1JSEDJY 0001D1	E/E CONVERTOR	N-001
1JSEDJY 0001D2	E/E CONVERTOR	N-001
1JSEDJY 0001D3	E/E CONVERTOR	N-001
1JSEDNE 0001D	EX-CORE DETECTOR SAFETY CH D	N-001
1JSEDNI 0001D	PRE-AMP	N-001



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INSTRUMENT - "Q" CLASS

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TAG NUMBER

DESCRIPTION

BECHTEL
SPEC/PO

1	1JSFAZT	0004A	CEA 4 REED SWITCH POS TRANS 1	N-001
2	1JSFAZT	0010A	CEA 10 REED SWITCH POS TRANS 1	N-001
3	1JSFAZT	0011A	CEA 11 REED SWITCH POS TRANS 1	N-001
4	1JSFAZT	0016A	CEA 16 REED SWITCH POS TRANS 1	N-001
5	1JSFAZT	0020A	CEA 20 REED SWITCH POS TRANS 1	N-001
6	1JSFAZT	0026A	CEA 26 REED SWITCH POS TRANS 1	N-001
7	1JSFAZT	0027A	CEA 27 REED SWITCH POS TRANS 1	N-001
8	1JSFAZT	0032A	CEA 32 REED SWITCH POS TRANS 1	N-001
9	1JSFAZT	0038A	CEA 38 REED SWITCH POS TRANS 1	N-001
10	1JSFAZT	0039A	CEA 39 REED SWITCH POS TRANS 1	N-001
11	1JSFAZT	0044A	CEA 44 REED SWITCH POS TRANS 1	N-001
12	1JSFAZT	0050A	CEA 50 REED SWITCH POS TRANS 1	N-001
13	1JSFAZT	0051A	CEA 51 REED SWITCH POS TRANS 1	N-001
14	1JSFAZT	0060A	CEA 60 REED SWITCH POS TRANS 1	N-001
15	1JSFAZT	0061A	CEA 61 REED SWITCH POS TRANS 1	N-001
16	1JSFAZT	0062A	CEA 62 REED SWITCH POS TRANS 1	N-001
17	1JSFAZT	0070A	CEA 70 REED SWITCH POS TRANS 1	N-001
18	1JSFAZT	0071A	CEA 71 REED SWITCH POS TRANS 1	N-001
19	1JSFAZT	0078A	CEA 78 REED SWITCH POS TRANS 1	N-001
20	1JSFAZT	0079A	CEA 79 REED SWITCH POS TRANS 1	N-001
21	1JSFAZT	0084A	CEA 84 REED SWITCH POS TRANS 1	N-001
22	1JSFAZT	0088A	CEA 88 REED SWITCH POS TRANS 1	N-001
23	1JSFBZT	0001A	CEA 1 REED SWITCH POS TRANS 1	N-001
24	1JSFBZT	0002A	CEA 2 REED SWITCH POS TRANS 1	N-001
25	1JSFBZT	0003A	CEA 3 REED SWITCH POS TRANS 1	N-001
26	1JSFBZT	0005A	CEA 5 REED SWITCH POS TRANS 1	N-001
27	1JSFBZT	0006A	CEA 6 REED SWITCH POS TRANS 1	N-001
28	1JSFBZT	0007A	CEA 7 REED SWITCH POS TRANS 1	N-001
29	1JSFBZT	0008A	CEA 8 REED SWITCH POS TRANS 1	N-001
30	1JSFBZT	0009A	CEA 9 REED SWITCH POS TRANS 1	N-001
31	1JSFBZT	0012A	CEA 12 REED SWITCH POS TRANS 1	N-001
32	1JSFBZT	0013A	CEA 13 REED SWITCH POS TRANS 1	N-001
33	1JSFBZT	0014A	CEA 14 REED SWITCH POS TRANS 1	N-001
34	1JSFBZT	0015A	CEA 15 REED SWITCH POS TRANS 1	N-001
35	1JSFBZT	0017A	CEA 17 REED SWITCH POS TRANS 1	N-001
36	1JSFBZT	0018A	CEA 18 REED SWITCH POS TRANS 1	N-001
37	1JSFBZT	0019A	CEA 19 REED SWITCH POS TRANS 1	N-001
38	1JSFBZT	0021A	CEA 21 REED SWITCH POS TRANS 1	N-001
39	1JSFBZT	0022A	CEA 22 REED SWITCH POS TRANS 1	N-001
40	1JSFBZT	0023A	CEA 23 REED SWITCH POS TRANS 1	N-001
41	1JSFBZT	0024A	CEA 24 REED SWITCH POS TRANS 1	N-001
42	1JSFBZT	0025A	CEA 25 REED SWITCH POS TRANS 1	N-001
43	1JSFBZT	0028A	CEA 28 REED SWITCH POS TRANS 1	N-001
44	1JSFBZT	0029A	CEA 29 REED SWITCH POS TRANS 1	N-001
45	1JSFBZT	0030A	CEA 30 REED SWITCH POS TRANS 1	N-001
46	1JSFBZT	0031A	CEA 31 REED SWITCH POS TRANS 1	N-001
47	1JSFBZT	0033A	CEA 33 REED SWITCH POS TRANS 1	N-001
48	1JSFBZT	0034A	CEA 34 REED SWITCH POS TRANS 1	N-001
49	1JSFBZT	0035A	CEA 35 REED SWITCH POS TRANS 1	N-001
50	1JSFBZT	0036A	CEA 36 REED SWITCH POS TRANS 1	N-001
51	1JSFBZT	0037A	CEA 37 REED SWITCH POS TRANS 1	N-001
52	1JSFBZT	0040A	CEA 40 REED SWITCH POS TRANS 1	N-001
53	1JSFBZT	0041A	CEA 41 REED SWITCH POS TRANS 1	N-001
54	1JSFBZT	0042A	CEA 42 REED SWITCH POS TRANS 1	N-001

TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1JSFBZT 0043A	CEA 43 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0045A	CEA 45 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0046A	CEA 46 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0047A	CEA 47 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0048A	CEA 48 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0049A	CEA 49 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0052A	CEA 52 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0053A	CEA 53 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0054A	CEA 54 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0055A	CEA 55 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0056A	CEA 56 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0057A	CEA 57 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0058A	CEA 58 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0059A	CEA 59 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0063A	CEA 63 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0064A	CEA 64 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0065A	CEA 65 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0066A	CEA 66 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0067A	CEA 67 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0068A	CEA 68 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0069A	CEA 69 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0072A	CEA 72 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0073A	CEA 73 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0074A	CEA 74 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0075A	CEA 75 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0076A	CEA 76 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0077A	CEA 77 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0080A	CEA 80 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0081A	CEA 81 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0082A	CEA 82 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0083A	CEA 83 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0085A	CEA 85 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0086A	CEA 86 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0087A	CEA 87 REED SWITCH POS TRANS 1	N-001
1JSFBZT 0089A	CEA 89 REED SWITCH POS TRANS 1	N-001
1JSFCZT 0001B	CEA 1 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0003B	CEA 3 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0004B	CEA 4 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0005B	CEA 5 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0008B	CEA 8 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0009B	CEA 9 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0010B	CEA 10 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0011B	CEA 11 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0012B	CEA 12 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0013B	CEA 13 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0015B	CEA 15 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0016B	CEA 16 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0017B	CEA 17 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0019B	CEA 19 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0020B	CEA 20 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0021B	CEA 21 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0024B	CEA 24 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0025B	CEA 25 REED SWITCH POS TRANS 2	N-001
1JSFCZT 0026B	CEA 26 REED SWITCH POS TRANS 2	N-001



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TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PO
1JSFCZT 00278	CEA 27 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00288	CEA 28 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00298	CEA 29 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00318	CEA 31 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00328	CEA 32 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00338	CEA 33 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00368	CEA 36 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00378	CEA 37 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00388	CEA 38 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00398	CEA 39 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00408	CEA 40 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00418	CEA 41 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00438	CEA 43 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00448	CEA 44 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00458	CEA 45 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00468	CEA 46 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00498	CEA 49 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00508	CEA 50 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00518	CEA 51 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00528	CEA 52 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00538	CEA 53 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00578	CEA 57 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00588	CEA 58 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00598	CEA 59 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00608	CEA 60 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00618	CEA 61 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00628	CEA 62 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00638	CEA 63 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00648	CEA 64 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00658	CEA 65 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00688	CEA 68 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00698	CEA 69 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00708	CEA 70 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00718	CEA 71 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00728	CEA 72 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00738	CEA 73 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00768	CEA 76 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00778	CEA 77 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00788	CEA 78 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00798	CEA 79 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00808	CEA 80 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00818	CEA 81 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00838	CEA 83 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00848	CEA 84 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00858	CEA 85 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00878	CEA 87 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00888	CEA 88 REED SWITCH POS TRANS 2	N-001
1JSFCZT 00898	CEA 89 REED SWITCH POS TRANS 2	N-001
1JSF0ZT 00028	CEA 2 REED SWITCH POS TRANS 2	N-001
1JSF0ZT 00068	CEA 6 REED SWITCH POS TRANS 2	N-001
1JSF0ZT 00078	CEA 7 REED SWITCH POS TRANS 2	N-001
1JSF0ZT 00148	CEA 14 REED SWITCH POS TRANS 2	N-001
1JSF0ZT 00188	CEA 18 REED SWITCH POS TRANS 2	N-001
1JSF0ZT 00228	CEA 22 REED SWITCH POS TRANS 2	N-001



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	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1	1JSFDZT 00238	CEA 23 REED SWITCH POS TRANS 2	N=001
2	1JSFDZT 00308	CEA 30 REED SWITCH POS TRANS 2	N=001
3	1JSFDZT 00348	CEA 34 REED SWITCH POS TRANS 2	N=001
4	1JSFDZT 00358	CEA 35 REED SWITCH POS TRANS 2	N=001
5	1JSFDZT 00428	CEA 42 REED SWITCH POS TRANS 2	N=001
6	1JSFDZT 00468	CEA 46 REED SWITCH POS TRANS 2	N=001
7	1JSFDZT 00478	CEA 47 REED SWITCH POS TRANS 2	N=001
8	1JSFDZT 00548	CEA 54 REED SWITCH POS TRANS 2	N=001
9	1JSFDZT 00558	CEA 55 REED SWITCH POS TRANS 2	N=001
10	1JSFDZT 00568	CEA 56 REED SWITCH POS TRANS 2	N=001
11	1JSFDZT 00668	CEA 66 REED SWITCH POS TRANS 2	N=001
12	1JSFDZT 00678	CEA 67 REED SWITCH POS TRANS 2	N=001
13	1JSFDZT 00748	CEA 74 REED SWITCH POS TRANS 2	N=001
14	1JSFDZT 00758	CEA 75 REED SWITCH POS TRANS 2	N=001
15	1JSFDZT 00828	CEA 82 REED SWITCH POS TRANS 2	N=001
16	1JSFDZT 00868	CEA 86 REED SWITCH POS TRANS 2	N=001
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TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PU
1JSGAC01	MSPIS LOGIC CAB TRAIN A	13JM105
1JSGBC01	MSPIS LOGIC CAB TRAIN B	13JM105
1JSGE001	MAIN STEAM FLOW XMITTER RACK	13MM001
1JSGMC01	VOID	13MF001
1JSGBC01A	MSPIS LOGIC CAB TRAIN A	13JM105
1JSGBC01B	MSPIS LOGIC CAB TRAIN B	13JM105
1JSGAX01A	ATM DUMP VALVE ACCUMULATORS	13MM105
1JSGAX01B	ATM DUMP VALVE ACCUMULATORS	13MM105
1JSGAX01A	ATM DUMP VALVE ACCUMULATORS	13MM105
1JSGAX01B	ATM DUMP VALVE ACCUMULATORS	13MM105
1JSGE001	PENETRATION-MAIN STEAM LINE	13MM500
1JSGE002	PENETRATION-MAIN STEAM LINE	13MM500
1JSGE003	PENETRATION-MAIN STEAM LINE	13MM500
1JSGE004	PENETRATION-MAIN STEAM LINE	13MM500
1JSGE008	PENETRATION-MAIN FEED LINE	13MM500
1JSGE010	PENETRATION-FEEDWATER	13MM500
1JSGE012	PENETRATION-FEEDWATER	13MM500
1JSGE046	PENETRATION-SG BLENDOWN	13MM500
1JSGE047	PENETRATION-SG BLENDOWN	13MM500
1JSGE048	PENETRATION-SG SAMPLE	13MM500
1JSGE049	PENETRATION-SG SAMPLE	13MM500

TAG NUMBER

RECHTEL
SPEC/PO

1PSGAV043	13PM221B
1PSGAV044	13PM221B
1PSGAV265	13PM221A
1PSGAV266	13PM221A
1PSGAV298	13PM221A
1PSGAV301	13PM221A
1PSGEV299	13PM221A
1PSGEV300	13PM221A
1PSGEV003	13PM221B
1PSGEV005	13PM221B
1PSGEV006	13PM221B
1PSGEV007	13PM221B
1PSGEV023	13PM221B
1PSGEV026	13PM221C
1PSGEV029	13PM221B
1PSGEV032	13PM221C
1PSGEV039	13PM221A
1PSGEV041	13PM221C
1PSGEV048	13PM221B
1PSGEV084	13PM221B
1PSGEV092	13PM221A
1PSGEV096	13PM221A
1PSGEV100	13PM221A
1PSGEV103	13PM221A
1PSGEV104	13PM221A
1PSGEV105	13PM221A
1PSGEV106	13PM221A
1PSGEV112	13PM221A
1PSGEV113	13PM221A
1PSGEV114	13PM221A
1PSGEV127	13PM221A
1PSGEV128	13PM221A
1PSGEV133	13PM221A
1PSGEV134	13PM221A
1PSGEV139	13PM221A
1PSGEV140	13PM221A
1PSGEV145	13PM221A
1PSGEV146	13PM221A
1PSGEV167	13PM221C
1PSGEV169	13PM221C
1PSGEV263	13PM221A
1PSGEV264	13PM221A
1PSGEV289	13PM221B
1PSGEV290	13PM221B
1PSGEV291	13PM221A
1PSGEV292	13PM221A
1PSGEV293	13PM221C
1PSGEV294	13PM221C
1PSGEV295	13PM221C
1PSGEV296	13NM001
1PSGEV304	13PM221A
1PSGEV306	13PM221A
1PSGEV308	13PM221A
1PSGEV309	13PM221A

TAG NUMBER

REC-TEL
SPEC/PO

1PSGEV310	13PM221A
1PSGEV311	13PM221A
1PSGEV322	13PM221A
1PSGEV334	13PM221A
1PSGEV335	13PM221A
1PSGEV336	13PM221A
1PSGEV337	13PM221A
1PSGEV338	13PM221A
1PSGEV339	13PM221A
1PSGEV341	13PM221A
1PSGEV342	13PM221A
1PSGEV343	13PM221A
1PSGEV344	13PM221A
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1PSGEV365	13PM221A
1PSGEV367	13PM221C
1PSGEV368	13PM221A
1PSGEV369	13PM221A
1PSGEV370	13PM221A
1PSGEV371	13PM221A
1PSGEV372	13PM221C
1PSGEV373	13PM221A
1PSGEV374	13PM221A
1PSGEV375	13PM221A
1PSGEV376	13PM221A
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1PSGEV379	13PM221A
1PSGEV380	13PM221A
1PSGEV382	13PM221A
1PSGEV384	13PM221A
1PSGEV415	13PM221A
1PSGEV416	13PM221A
1PSGEV418	13PM221A
1PSGEV420	13PM221A
1PSGEV524	13PM221C
1PSGEV525	13PM221C
1PSGEV552	13PM221A

TAG NUMBER

ECCHEL
SPEC/PG

1PSGEV553	13PF221A
1PSGEV586	13PI 221A
1PSGEV590	13PM221C
1PSGEV603	13PI221A
1PSGEV608	13PI 221A
1PSGEV609	13PI221A
1PSGEV610	13PI221C
1PSGEV611	13PI221A
1PSGEV613	13NF 001
1PSGEV614	13NF001
1PSGEV615	13NF 001
1PSGEV616	13NF 001
1PSGEV617	13NF 001
1PSGEV618	13NF001
1PSGEV619	13NF001
1PSGEV620	13NF001
1PSGEV621	13NF001
1PSGEV622	13NF 001
1PSGEV623	13NF001
1PSGEV624	13NF001
1PSGEV625	13NF001
1PSGEV626	13NF 001
1PSGEV627	13NF001
1PSGEV628	13NF001
1PSGEV629	13NF001
1PSGEV630	13NF001
1PSGEV631	13NF001
1PSGEV632	13NF 001
1PSGEV633	13NF 001
1PSGEV634	13NF001
1PSGEV635	13NF001
1PSGEV636	13NF001
1PSGEV637	13NF 001
1PSGEV638	13NF001
1PSGEV639	13NF001
1PSGEV640	13NF001
1PSGEV642	13PI 221B
1PSGEV644	13PI221A
1PSGEV652	13PI221B
1PSGEV653	13PI221B
1PSGEV658	13NF001
1PSGEV659	13NF 001
1PSGEV660	13PI221A
1PSGEV661	13PI221A
1PSGEV662	13NF001
1PSGEV663	13NF001
1PSGEV665	13PI221A
1PSGEV666	13PM221A
1PSGEV693	13PI221B
1PSGNV267	13PI221A
1PSGNV268	13PI221A
1PSGNV431	13PI221B
1PSGNV432	13PI 221B



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1JSGAHC 0179A	SG 2 LN 2 ATM DMP VLV CR	J-111
1JSGAHC 0179B	SG 2 LN 2 ATM DMP VLV RS	J-111
1JSGAHC 0184A	SG 1 LN 1 ATM DMP VLV CR	J-111
1JSGAHC 0184B	SG 1 LN 1 ATM DMP VLV	J-111
1JSGAHS 0229	MSIV & F&IV SELECTOR SW TR A	J-200
1JSGAHS 0134A	SG 1 STM SUPPLY TO AF PP TURB	J-200
1JSGAHS 0134B	SG 1 STM SUPPLY TO AF PP TURB	N-001
1JSGAHS 0138A	SG 2 STM SUPPLY TO AF PP TURB	J-200
1JSGAHS 0138B	SG 2 STM SPLY TO AF PP TURB-RS	N-001
1JSGAHS 0138C	SG 2 STM TO AF PP TURB OVRD	J-200
1JSGAHS 0138D	SG 2 STM TO AF PP TURB OVRD-RS	N-001
1JSGAHS 0169A	SG 1 MSIV BYPASS	J-200
1JSGAHS 0170A	SG 1 LN 1 MSIV	J-200
1JSGAHS 0170C	SG 1 LN 1 MSIV	J-200
1JSGAHS 0171A	SG 2 LN 1 MSIV	J-200
1JSGAHS 0171C	SG 2 LN 1 MSIV	J-200
1JSGAHS 0172	SG 1 DOWNCOMER FW UPSTR ISOL	J-200
1JSGAHS 0174A	SG 1 ECONOMIZER FW UPSTR ISU	J-200
1JSGAHS 0174B	SG 1 ECONOMIZER FW UPSTR ISU	J-200
1JSGAHS 0174C	SG 1 ECONOMIZER FA UPSTR ISU	J-200
1JSGAHS 0175	SG 2 DOWNCOMER FW UPSTR ISOL	J-200
1JSGAHS 0177	VOIDED	J-200
1JSGAHS 0177A	SG 2 ECONOMIZER FA UPSTR ISU	J-200
1JSGAHS 0177B	SG 2 ECONOMIZER FW UPSTR ISU	J-200
1JSGAHS 0177C	SG 2 ECONOMIZER FA UPSTR ISU	J-200
1JSGAHS 0179A	SG 2 LN 2 ATM DMP VLV	J-200
1JSGAHS 0179C	SG 2 LN 2 ATM DMP VLV RS	N-001
1JSGAHS 0179E	VOIDED	J-111
1JSGAHS 0180A	SG 1 LN 2 MSIV	J-200
1JSGAHS 0180C	SG 1 LN 2 MSIV	J-200
1JSGAHS 0181A	SG 2 LN 2 MSIV	J-200
1JSGAHS 0181C	SG 2 LN 2 MSIV	J-200
1JSGAHS 0183A	SG 2 MSIV BYPASS	J-200
1JSGAHS 0184A	SG 1 LN 1 ATM DMP VLV CR	J-200
1JSGAHS 0184C	SG 1 LN 1 ATM DMP VLV RS	N-001
1JSGAHS 0204	SG 1 COLD LEG BLOWN SMPL ISOL	J-200
1JSGAHS 0211	SG 1 HOT LEG BLOWN SMPL ISOL	J-200
1JSGAHS 0220	SG 1 DOWNCOMER BLOWN SMPL ISOL	J-200
1JSGAHS 0223	SG 2 COLD LEG BLOWN SMPL ISOL	J-200
1JSGAHS 0225	SG 2 HOT LEG BLOWN SMPL ISOL	J-200
1JSGAHS 0227	SG 2 DOWNCOMER BLOWN SMPL ISOL	J-200
1JSGAHS 0250	MSIV FAST CLOSE SG NO 1	J-200
1JSGAHS 0251	MSIV FAST CLOSE SG NO 2	J-200
1JSGAHS 0275	SG 1 LN 1 MAIN STEAM ISOL	J-200
1JSGAHS 0277	SG 2 LN 1 MAIN STEAM ISOL	J-200
1JSGAHS 0279	SG 1 LN 2 MAIN STEAM ISOL	J-200
1JSGAHS 0281	SG 2 LN 2 MAIN STEAM ISOL	J-200
1JSGAHS 0283	SG 2 ECONOMIZER FW ISOL	J-200
1JSGAHS 0284	SG 1 ECONOMIZER FW ISOL	J-200
1JSGAHS 0500P	SG 1 UPSTM BLOWN ISOL	J-200
1JSGAHS 0500S	SG 2 DOWNSTM BLOWN ISOL	J-200
1JSGAHV 0179	SG 2 LN 2 ATM DMP VLV	J-601A
1JSGAHV 0184	SG 1 LN 1 ATM DMP VLV	J-601A
1JSGAHV 0179A	SG 2 LN 2 ATM DMP VLV	J-601A

	TAG NUMBER	DESCRIPTION	ECCHEL SPEC/PU
1	IJSGAHY 0179C	E/P CONVERTER	J-601A
2	IJSGAHY 0179D	I/E CONVERTER	J-111
3	IJSGAHY 0179E	CONTROL MODULE	J-111
4	IJSGAHY 0179F	E/I CONVERTER	J-111
5	IJSGAHY 0179G	CONTROL MODULE	J-111
6	IJSGAHY 0184A	SG 1 LN 1 ATM DMP VLV	J-601A
7	IJSGAHY 0184C	SG 1 LN 1 ATM DMP VLV E/P	J-601A
8	IJSGALI 1113A	SG 1 / SG 2 WIDE RANGE	R-001
9	IJSGALI 1113A1	SG 1 - REMOTE SHUTDOWN	R-001
10	IJSGALI 1114A	SG 1 / SG 2 NARROW RANGE	R-001
11	IJSGALI 1123A1	SG 2 - REMOTE SHUTDOWN	R-001
12	IJSGALK 1113A	SG 1 / SG 2 WIDE RANGE	R-001
13	IJSGALT 1113A	SG 1 WIDE RANGE	R-001
14	IJSGALT 1114A	SG 1 NARROW RANGE	R-001
15	IJSGALT 1123A	SG 2 WIDE RANGE	R-001
16	IJSGALT 1124A	SG 2 NARROW RANGE	R-001
17	IJSGALY 1113A	I/E CONVERTER	R-001
18	IJSGALY 1114A	I/E CONVERTER	R-001
19	IJSGALY 1123A	I/E CONVERTER	R-001
20	IJSGALY 1124A	I/E CONVERTER	R-001
21	IJSGAPCV 0310	SG 2 LN 2 ATM DMP N2 SUPPLY	J-691
22	IJSGAPCV 0317	SG 1 LN 1 ATM DMP N2 SUPPLY	J-691
23	IJSGAPI 0229	MSIV & FWIV ACCUM PRESS TR A	J-111
24	IJSGAPI 1013A	SG 1	R-001
25	IJSGAPI 1013A1	SG 1 - REMOTE SHUTDOWN	R-001
26	IJSGAPI 1023A	SG 2	R-001
27	IJSGAPI 1023A1	SG 2 - REMOTE SHUTDOWN	R-001
28	IJSGAPR 1013A	SG 1 / SG 2	R-001
29	IJSGAPSH 0245	UV-174 MSIV HYD	R-234A
30	IJSGAPSH 0246	UV-177 MSIV HYD	R-234A
31	IJSGAPSL 0229	SG 1 LN 1 MSIV 170	J-111
32	IJSGAPSL 0231	SG 1 LN 1 MSIV 170	J-111
33	IJSGAPSL 0233	SG 2 LN 1 MSIV 171	J-111
34	IJSGAPSL 0235	SG 2 LN 1 MSIV 171	J-111
35	IJSGAPSL 0237A	SG 1 ECONOMIZER FW UPSTR ISOL	J-111
36	IJSGAPSL 0237B	SG 1 ECONOMIZER FW UPSTR ISOL	J-111
37	IJSGAPSL 0238A	SG 2 ECONOMIZER FW DOWNSTR ISOL	J-111
38	IJSGAPSL 0238B	SG 2 ECONOMIZER FW DOWNSTR ISOL	J-111
39	IJSGAPSL 0260	AIR RESVR FOR 170	R-234A
40	IJSGAPSL 0262	AIR RESVR FOR 180	R-234A
41	IJSGAPSL 0264	AIR RESVR FOR 171	R-234A
42	IJSGAPSL 0266	AIR RESVR FOR 181	R-234A
43	IJSGAPSL 0268	AIR RESVR FOR 174	R-234A
44	IJSGAPSL 0269	AIR RESVR FOR 177	R-234A
45	IJSGAPSL 0313	SG2 LN2 SG1 LN1 DUMP AIR SPPLY	J-111
46	IJSGAPSV 0309	SG 2 LN 2 ATM DUMP N2 TANK	J-691
47	IJSGAPSV 0312	SG 2 LN 2 ATM DUMP N2 SUPPLY	J-691
48	IJSGAPSV 0316	SG 1 LN 1 ATM DMP N2 TANK	J-691
49	IJSGAPSV 0319	SG 1 LN 1 ATM DMP N2 SUPPLY	J-691
50	IJSGAPT 0229	MSIV ACCUM NO 1 FOR 170	R-234A
51	IJSGAPT 0231	MSIV ACCUM NO 1 FOR 180	R-234A
52	IJSGAPT 0233	MSIV ACCUM 1 FOR 171	R-234A
53	IJSGAPT 0235	MSIV ACCUM 1 FOR 181	R-234A
54	IJSGAPT 0237A	FWIV ACCUM FOR 177	R-234A

TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1JSGAPT 0237B	FW IV ACCUM FOR 177	N-234A
1JSGAPT 0238A	FW IV ACCUM FOR 174	N-234A
1JSGAPT 0238B	FW IV ACCUM FOR 174	N-234A
1JSGAPT 0308	SG 2 LN 2 AIR DUMP N2 TANK	J-311
1JSGAPT 0313	SG2 LN2 SG1 LN1 DUMP AIR SUPPLY	J-311
1JSGAPT 0315	SG 1 LN 1 AIR DMP N2 TANK	J-311
1JSGAPT 1013A	SG 1	N-001
1JSGAPT 1023A	SG 2	N-001
1JSGAPV 0313A	SG 2 LN 2 AIR DMP N2 SUPPLY	J-603
1JSGAPV 0313B	SG 1 LN 1 AIR DMP N2 SUPPLY	J-603
1JSGAPY 0229	I/E CONVERTOR	J-111
1JSGAPY 0231	I/E CONVERTOR	J-111
1JSGAPY 0233	I/E CONVERTOR	J-111
1JSGAPY 0235	I/E CONVERTOR	J-111
1JSGAPY 0237A	I/E CONVERTOR	J-111
1JSGAPY 0237B	I/E CONVERTOR	J-111
1JSGAPY 0238A	I/E CONVERTOR	J-111
1JSGAPY 0238B	I/E CONVERTOR	J-111
1JSGAPY 0313A	I/E CONVERTOR	J-111
1JSGAPY 0313B	SG2 LN2 SG1 LN1 DUMP AIR SUPPLY	J-111
1JSGAPY 1013A	I/E CONVERTOR	N-001
1JSGAPY 1023A	I/E CONVERTOR	N-001
1JSGAUV 0134	SG 1 STM SUPPLY TO AF PP TURB	P-221B
1JSGAUV 0138	SG 2 STM SUPPLY TO AF PP TURB	P-221B
1JSGAUV 0172	SG 1 DOWNCOMER FW UPSTR ISOL	P-221B
1JSGAUV 0174	SG 1 ECONOMIZER FW UPSTR ISOL	N-234A
1JSGAUV 0175	SG 2 DOWNCOMER FW UPSTR ISOL	P-221B
1JSGAUV 0177	SG 2 ECONOMIZER FW DOWNSTR ISOL	N-234A
1JSGAUV 0204	SG 1 COLD LEG BLDWN SMPL ISOL	N-001
1JSGAUV 0211	SG 1 HOT LEG BLDWN SMPL ISOL	N-001
1JSGAUV 0220	SG 1 DOWNCOMER BLDWN SMPL ISOL	N-001
1JSGAUV 0223	SG 2 COLD LEG BLDWN SMPL ISOL	N-001
1JSGAUV 0225	SG 2 HOT LEG BLDWN SMPL ISOL	N-001
1JSGAUV 0227	SG 2 DOWNCOMER BLDWN SMPL ISOL	N-001
1JSGAUV 0500P	SG 1 UPSTR BLDWN ISOL	P-221B
1JSGAUV 0500S	SG 2 DOWNSTR BLDWN ISOL	P-221B
1JSGAUY 0169A	SG 1 PSIV BYPASS	P-221B
1JSGAUY 0170A	SG 1 LN 1 PSIV	N-234A
1JSGAUY 0170B	SG 1 LN 1 PSIV	N-234A
1JSGAUY 0170C	SG 1 LN 1 PSIV	N-234A
1JSGAUY 0170D	SG 1 LN 1 PSIV	N-234A
1JSGAUY 0171A	SG 2 LN 1 PSIV	N-234A
1JSGAUY 0171B	SG 2 LN 1 PSIV	N-234A
1JSGAUY 0171C	SG 2 LN 1 PSIV	N-234A
1JSGAUY 0171D	SG 2 LN 1 PSIV	N-234A
1JSGAUY 0172A	SG 1 DOWNCOMER FW UPSTR ISOL	P-221B
1JSGAUY 0172B		P-221B
1JSGAUY 0174A	SG 1 ECONOMIZER FW UPSTR ISOL	N-234A
1JSGAUY 0174B	SG 1 ECONOMIZER FW UPSTR ISOL	N-234A
1JSGAUY 0174C	SG 1 ECONOMIZER FW UPSTR ISOL	N-234A
1JSGAUY 0174D	SG 1 ECONOMIZER FW UPSTR ISOL	N-234A
1JSGAUY 0175	SG 2 DOWNCOMER FW UPSTR ISOL	P-221B
1JSGAUY 0175A	SG 2 DOWNCOMER FW UPSTR ISOL	P-221B
1JSGAUY 0175B	SG 2 DOWNCOMER FW UPSTR ISOL	P-221B

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	TAG NUMBER	DESCRIPTION	EFFECT SPEC/PG
1	1JSGAUU 0177A	SG 2 ECONOMIZER FW DWNSTR ISOL	M-234A
2	1JSGAUU 0177B	SG 2 ECONOMIZER FW DWNSTR ISOL	M-234A
3	1JSGAUU 0177C	SG 2 ECONOMIZER FW DWNSTR ISOL	M-234A
4	1JSGAUU 0177D	SG 2 ECONOMIZER FW DWNSTR ISOL	M-234A
5	1JSGAUU 0180A	SG 1 LN 2 MSIV	M-234A
6	1JSGAUU 0180B	SG 1 LN 2 MSIV	M-234A
7	1JSGAUU 0180C	SG 1 LN 2 MSIV	M-234A
8	1JSGAUU 0180D	SG 1 LN 2 MSIV	M-234A
9	1JSGAUU 0181A	SG 2 LN 2 MSIV	M-234A
10	1JSGAUU 0181B	SG 2 LN 2 MSIV	M-234A
11	1JSGAUU 0181C	SG 2 LN 2 MSIV	M-234A
12	1JSGAUU 0181D	SG 2 LN 2 MSIV	M-234A
13	1JSGAUU 0183A	SG 2 MSIV BYPASS	M-221B
14	1JSGAUU 0225	DELETED	M-001
15	1JSGAUU 0227	DELETED	M-001
16	1JSGAUU 0500P	SG 1 OUSTM BLOWN ISOL	M-221B
17	1JSGAUU 0500S	SG 2 OUSTM BLOWN ISOL	M-221B
18	1JSGAZI 0179A	SG 2 LN 2 ATM DMP VLV	J-601A
19	1JSGAZI 0179B	SG 2 LN 2 ATM DMP VLV	J-601A
20	1JSGAZI 0184A	SG 1 LN 1 ATM DMP VLV	J-601A
21	1JSGAZI 0184B	SG 1 LN 1 ATM DMP VLV	J-601A
22	1JSGAZI 0179	SG 2 LN 2 ATM DMP VLV	J-601A
23	1JSGAZI 0184	SG 1 LN 1 ATM DMP VLV	J-601A
24	1JSGERIC 0178A	SG 1 LN 2 ATM DMP VLV CR	J-111
25	1JSGERIC 0178B	SG 1 LN 2 ATM DMP VLV RS	J-111
26	1JSGERIC 0185A	SG 2 LN 2 ATM DMP VLV CR	J-111
27	1JSGERIC 0185B	SG 2 LN 1 ATM DMP VLV--RS	J-111
28	1JSGERHS 0230	MSIV & FRIV SELECTOR SW TR B	J-200
29	1JSGERHS 0130	SG 1 DOWNCOMER FW DWNSTR ISOL	J-200
30	1JSGERHS 0132A	SG 1 ECONOMIZER FW DWNSTR ISO	J-200
31	1JSGERHS 0132B	SG 1 ECONOMIZER FW DWNSTR ISO	J-200
32	1JSGERHS 0132C	SG 1 ECONOMIZER FW DWNSTR ISO	J-200
33	1JSGERHS 0135	MAIN FW ISOL VLV 2 SG 2 UPPER	J-200
34	1JSGERHS 0137A	SG 2 ECONOMIZER FW DWNSTR ISO	J-200
35	1JSGERHS 0137B	SG 2 ECONOMIZER FW DWNSTR ISO	J-200
36	1JSGERHS 0137C	SG 2 ECONOMIZER FW DWNSTR ISO	J-200
37	1JSGERHS 0169B	SG 1 MSIV BYPASS	J-200
38	1JSGERHS 0170B	SG 1 LN 1 MSIV	J-200
39	1JSGERHS 0170D	SG 1 LN 1 MSIV	J-200
40	1JSGERHS 0171B	SG 2 LN 1 MSIV	J-200
41	1JSGERHS 0171D	SG 2 LN 1 MSIV	J-200
42	1JSGERHS 0178A	SG 1 LN 2 ATM DMP VLV	J-200
43	1JSGERHS 0178C	SG 1 LN 2 ATM DMP VLV RS	M-001
44	1JSGERHS 0178E	VOIDED	J-111
45	1JSGERHS 0180B	SG 1 LN 2 MSIV	J-200
46	1JSGERHS 0180D	SG 1 LN 2 MSIV	J-200
47	1JSGERHS 0181B	SG 2 LN 2 MSIV	J-200
48	1JSGERHS 0181D	SG 2 LN 2 MSIV	J-200
49	1JSGERHS 0183B	SG 2 MSIV BYPASS	J-200
50	1JSGERHS 0185A	SG 2 LN 1 ATM DMP VLV CR	J-200
51	1JSGERHS 0185C	SG 2 LN 1 ATM DMP VLV RS	J-200
52	1JSGERHS 0201	SG 2 CREW INJ	J-200
53	1JSGERHS 0219	SG 1 COLD LEG BLOWN SMPL ISOL	J-200
54	1JSGERHS 0221	SG 1 DOWNCOMER BLOWN SMPL ISOL	J-200

TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1JSGHHS 0222	SG 2 COLD LEG BLOWN SMPL ISOL	J-200
1JSGHHS 0224	SG 2 HOT LEG BLOWN SMPL ISOL	J-200
1JSGHHS 0226	SG 2 DEAERATOR BLOWN SMPL ISOL	J-200
1JSGHHS 0228	SG 1 HOT LEG BLOWN SMPL ISOL	J-200
1JSGHHS 0252	MSIV FAST CLOSE SG NO 1	J-200
1JSGHHS 0253	MSIV FAST CLOSE SG NO 2	J-200
1JSGHHS 0276	SG 1 LN 1 MAIN STEAM ISOL	J-200
1JSGHHS 0278	SG 2 LN 1 MAIN STEAM ISOL	J-200
1JSGHHS 0280	SG 1 LN 2 MAIN STEAM ISOL	J-200
1JSGHHS 0282	SG 2 LN 2 MAIN STEAM ISOL	J-200
1JSGHHS 0285	SG 2 ECONOMIZER FW ISOL	J-200
1JSGHHS 0286	SG 1 ECONOMIZER FW ISOL	J-200
1JSGHHS 0500Q	SG 1 DWRSTR BLOWN ISOL	J-200
1JSGHHS 0500R	SG 2 DWRSTR BLOWN ISOL	J-200
1JSGHIV 0178	SG 1 LN 2 ATM DMP VLV	J-601A
1JSGHIV 0185	SG 2 LN 1 ATM DMP VLV	J-601A
1JSGHIV 0200	SG 1 CHEM INJ	N-001
1JSGHIV 0201	SG 2 CHEM INJ	N-001
1JSGHIV 0178A	SG 1 LN 2 ATM DMP VLV	J-601A
1JSGHIV 0178C	E/P CONVERTER	J-601A
1JSGHIV 0178D	I/E CONVERTER	J-111
1JSGHIV 0178E	CONTROL MODULE	J-111
1JSGHIV 0178F	E/I CONVERTER	J-111
1JSGHIV 0178G	MAIN STEAM SYSTEM	J-111
1JSGHIV 0185A	SG 2 LN 1 ATM DMP VLV	J-601A
1JSGHIV 0185C	E/P CONVERTER	J-601A
1JSGHIV 0185G	MAIN STEAM SYSTEM	J-111
1JSGHLL 1113B	SG 1 / SG 2 WIDE RANGE	N-001
1JSGHLL 1113B1	SG 1 - REMOTE SHUTDOWN	N-001
1JSGHLL 1114B	SG 1 / SG 2 NARROW RANGE	N-001
1JSGHLL 1123B1	SG 2 - REMOTE SHUTDOWN	N-001
1JSGHLL 1113B	SG 1 WIDE RANGE	N-001
1JSGHLL 1114B	SG 1 NARROW RANGE	N-001
1JSGHLL 1123B	SG 2 WIDE RANGE	N-001
1JSGHLL 1124B	SG 2 NARROW RANGE	N-001
1JSGELY 1113B	I/E CONVERTER	N-001
1JSGELY 1114B	I/E CONVERTER	N-001
1JSGELY 1123B	I/E CONVERTER	N-001
1JSGELY 1124B	I/E CONVERTER	N-001
1JSGEPCV 0303	SG 1 LN 2 ATM DMP N2 SUPPLY	J-691
1JSGEPCV 0323	SG2 LN 1 ATM DMP N2 SUPPLY	J-691
1JSGHPI 0230	MSIV & FWIV ACCUM PRESS TR B	J-111
1JSGHPI 1013B	SG 1	N-001
1JSGHPI 1013B1	SG 1 - REMOTE SHUTDOWN	N-001
1JSGHPI 1023B	SG 2	N-001
1JSGHPI 1023B1	SG 2 - REMOTE SHUTDOWN	N-001
1JSGBPSH 0247	UV-132 MSIV HYD	P-234A
1JSGBPSH 0248	UV-137 MSIV HYD	P-234A
1JSGRPSL 0230	SG 1 LN 1 MSIV 170	J-111
1JSGRPSL 0232	SG 2 LN 1 MSIV 171	J-111
1JSGRPSL 0234	SG 2 LN 1 MSIV 171	J-111
1JSGRPSL 0236	SG 2 LN 1 MSIV 171	J-111
1JSGRPSL 0239A	SG 1 ECONOMIZER FW DWRSTR ISOL	J-111
1JSGRPSL 0239B	SG 1 ECONOMIZER FW DWRSTR ISOL	J-111



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TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1JSGEP SL 0240A	SG 2 ECONOMIZER FW DWNSTR ISOL	J-111
1JSGEP SL 0240B	SG 2 ECONOMIZER FW DWNSTR ISOL	J-111
1JSGEP SL 0261	AIR RESVR FOR 170	K-234A
1JSGEP SL 0263	AIR RESVR FOR 180	K-234A
1JSGEP SL 0265	AIR RESVR FOR 171	K-234A
1JSGEP SL 0267	AIR RESVR FOR 181	K-234A
1JSGEP SL 0270	AIR RESVR FOR 132	K-234A
1JSGEP SL 0271	AIR RESVR FOR 137	K-234A
1JSGEP SL 0306	SG1 LN2 SG2 LN1 DUMP AIR SUPPLY	J-111
1JSGEP SV 0302	SG 1 LN 2 ATM DMP N2 TANK	J-691
1JSGEP SV 0305	SG 1 LN 2 ATM DMP N2 SUPPLY	J-691
1JSGEP SV 0322	SG2 LN 1 ATM DMP N2 TANK	J-691
1JSGEP SV 0325	SG2 LN 1 ATM DMP N2 SUPPLY	J-691
1JSGEP T 0230	MSIV ACCUM NO 2 FOR 170	K-234A
1JSGEP T 0232	MSIV ACCUM NO 2 FOR 180	K-234A
1JSGEP T 0234	MSIV ACCUM 2 FOR 171	K-234A
1JSGEP T 0236	MSIV ACCUM 2 FOR 181	K-234A
1JSGEP T 0239A	FWIV ACCUM FOR 137	K-234A
1JSGEP T 0239B	FWIV ACCUM FOR 137	K-234A
1JSGEP T 0240A	FWIV ACCUM FOR 132	K-234A
1JSGEP T 0240B	FWIV ACCUM FOR 132	K-234A
1JSGEP T 0301	SG 1 LN 2 ATM DMP N2 TANK	J-311
1JSGEP T 0306	SG1 LN2 SG2 LN1 DUMP AIR SUPPLY	J-311
1JSGEP T 0321	SG2 LN 1 ATM DMP N2 TANK	J-311
1JSGEP T 1013B	SG 1	K-001
1JSGEP T 1023B	SG 2	K-001
1JSGEP V 0306A	SG 1 LN 2 ATM DMP N2 SUPPLY	J-603
1JSGEP V 0306B	SG 2 LN 1 ATM DMP N2 SUPPLY	J-603
1JSGEP Y 0230	I/E CONVERTOR	J-111
1JSGEP Y 0232	I/E CONVERTOR	J-111
1JSGEP Y 0234	I/E CONVERTOR	J-111
1JSGEP Y 0236	I/E CONVERTOR	J-111
1JSGEP Y 0239A	I/E CONVERTOR	J-111
1JSGEP Y 0239B	I/E CONVERTOR	J-111
1JSGEP Y 0240A	I/E CONVERTOR	J-111
1JSGEP Y 0240B	I/E CONVERTOR	J-111
1JSGEP Y 0306A	I/E CONVERTOR	J-111
1JSGEP Y 0306B	SG1 LN2 SG2 LN1 DUMP AIR SUPPLY	J-111
1JSGEP Y 1013B	I/E CONVERTOR	K-001
1JSGEP Y 1023B	I/E CONVERTOR	K-001
1JSGEUV 0130	SG 1 DOWNCOMER FW DWNSTR ISOL	P-221B
1JSGEUV 0132	SG 1 ECONOMIZER FW DWNSTR ISOL	K-234A
1JSGEUV 0135	SG 2 DOWNCOMER FW DWNSTR ISOL	P-221B
1JSGEUV 0137	SG 2 ECONOMIZER FW DWNSTR ISOL	K-234A
1JSGEUV 0219	SG 1 COLD LEG BLOWN SMPL ISOL	K-001
1JSGEUV 0221	SG 1 DOWNCOMER BLOWN SMPL ISOL	K-001
1JSGEUV 0222	SG 2 COLD LEG BLOWN SMPL ISOL	K-001
1JSGEUV 0224	SG 2 HOT LEG BLOWN SMPL ISOL	K-001
1JSGEUV 0226	SG 2 DOWNCOMER BLOWN SMPL ISOL	K-001
1JSGEUV 0228	SG 1 HOT LEG BLOWN SMPL ISOL	K-001
1JSGEUV 0500Q	SG 1 DWNSTR BLOWN ISOL	P-221B
1JSGEUV 0500R	SG 2 UPSTR BLOWN ISOL	P-221B
1JSGEUV 0130A	SG 1 DOWNCOMER FW DWNSTR ISOL	P-221B
1JSGEUV 0130B	SG 1 DOWNCOMER FW DWNSTR ISOL	P-221B

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TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PG
1JSGBUY 0132A	SG 1 ECONOMIZER FW DWNSTR ISOL	N-234A
1JSGBUY 0132B	SG 1 ECONOMIZER FW DWNSTR ISOL	N-234A
1JSGBUY 0132C	SG 1 ECONOMIZER FW DWNSTR ISOL	N-234A
1JSGBUY 0132D	SG 1 ECONOMIZER FW DWNSTR ISOL	N-234A
1JSGBUY 0135A	SG 2 DOWNCOMER FW DWNSTR ISOL	P-221B
1JSGBUY 0135B	SG 2 DOWNCOMER FW DWNSTR ISOL	P-221B
1JSGBUY 0137A	SG 2 ECONOMIZER FW DWNSTR ISOL	N-234A
1JSGBUY 0137B	SG 2 ECONOMIZER FW DWNSTR ISOL	N-234A
1JSGBUY 0137C	SG 2 ECONOMIZER FW DWNSTR ISOL	N-234A
1JSGBUY 0137D	SG 2 ECONOMIZER FW DWNSTR ISOL	N-234A
1JSGBUY 0169B	SG 1 MSIV BYPASS	P-221B
1JSGBUY 0170E	SG 1 LN 1 MSIV	N-234A
1JSGBUY 0170F	SG 1 LN 1 MSIV	N-234A
1JSGBUY 0170G	SG 1 LN 1 MSIV	N-234A
1JSGBUY 0170H	SG 1 LN 1 MSIV	N-234A
1JSGBUY 0171E	SG 2 LN 1 MSIV	N-234A
1JSGBUY 0171F	SG 2 LN 1 MSIV	N-234A
1JSGBUY 0171G	SG 2 LN 1 MSIV	N-234A
1JSGBUY 0171H	SG 2 LN 1 MSIV	N-234A
1JSGBUY 0180E	SG 1 LN 2 MSIV	N-234A
1JSGBUY 0180F	SG 1 LN 2 MSIV	N-234A
1JSGBUY 0180G	SG 1 LN 2 MSIV	N-234A
1JSGBUY 0180H	SG 1 LN 2 MSIV	N-234A
1JSGBUY 0181B	SG 2 LN 2 MSIV	N-234A
1JSGBUY 0181E	SG 2 LN 2 MSIV	N-234A
1JSGBUY 0181F	SG 2 LN 2 MSIV	N-234A
1JSGBUY 0181G	SG 2 LN 2 MSIV	N-234A
1JSGBUY 0181H	SG 2 LN 2 MSIV	N-234A
1JSGBUY 0183B	SG 2 MSIV BYPASS	P-221B
1JSGBUY 0226	DELETED	N-001
1JSGBUY 0500B	SG 1 DWNSTR BLDWN ISOL	P-221B
1JSGBUY 0500K	SG 2 UPSTR BLDWN ISOL	P-221B
1JSGEZI 0178A	SG 1 LN 2 ATM DMP VLV	J-601A
1JSGEZI 0178F	SG 1 LN 2 ATM DMP VLV	J-601A
1JSGEZI 0185A	SG 2 LN 1 ATM DMP VLV	J-601A
1JSGEZI 0185B	SG 2 LN 1 ATM DMP VLV	J-601A
1JSGEZI 0178	SG 1 LN 2 ATM DMP VLV	J-601A
1JSGEZI 0185	SG 2 LN 1 ATM DMP VLV	J-601A
1JSGCHS 0179B	SG 2 LN 2 ATM DMP VLV	J-200
1JSGCHS 0179D	SG 2 LN 2 ATM DMP VLV RS	N-001
1JSGCHS 0184B	SG 1 LN 1 ATM DMP VLV CR	J-200
1JSGCHS 0184D	SG 1 LN 1 ATM DMP VLV RS	N-001
1JSGCHY 0179B	SG 2 LN 2 ATM DMP VLV	J-601A
1JSGCHY 0184B	SG 1 LN 1 ATM DMP VLV	J-601A
1JSGCLI 1113C	SG 1 / SG 2 WIDE RANGE	N-001
1JSGCLI 1114C	SG 1 / SG 2 NARROW RANGE	N-001
1JSGCLT 1113C	SG 1 WIDE RANGE	N-001
1JSGCLT 1114C	SG 1 NARROW RANGE	N-001
1JSGCLT 1123C	SG 2 WIDE RANGE	N-001
1JSGCLT 1124C	SG 2 NARROW RANGE	N-001
1JSGCLY 1113C	I/E CONVERTOR	N-001
1JSGCLY 1114C	I/E CONVERTOR	N-001
1JSGCLY 1123C	I/E CONVERTOR	N-001
1JSGCLY 1124C	I/E CONVERTOR	N-001

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INSTRUMENT - "G" CLASS

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	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
4	1JSGCPI 1013C	SG 1	N-001
5	1JSGCPI 1023C	SG 2	N-001
6	1JSGCPT 1013C	SG 1	N-001
7	1JSGCPT 1023C	SG 2	N-001
8	1JSGCPY 1013C	I/E CONVERTOR	N-001
9	1JSGCPY 1023C	I/E CONVERTOR	N-001
10	1JSGDHS 0178B	SG 1 LN 2 ATM DMP VLV	J-200
11	1JSGDHS 0178C	SG 1 LN 2 ATM DMP VLV KS	N-001
12	1JSGDHS 0185B	SG 2 LN 1 ATM DMP VLV CR	J-200
13	1JSGDHS 0185C	SG 2 LN 1 ATM DMP VLV KS	N-001
14	1JSGDHY 0178B	SG 1 LN 2 ATM DMP VLV	J-601A
15	1JSGDHY 0185B	SG 2 LN 1 ATM DMP VLV	J-601A
16	1JSGDLI 1113D	SG 1 / SG 2 WIDE RANGE	N-001
17	1JSGDLI 1114D	SG 1 / SG 2 NARROW RANGE	N-001
18	1JSGDLT 1113D	SG 1 WIDE RANGE	N-001
19	1JSGDLT 1114D	SG 1 NARROW RANGE	N-001
20	1JSGDLT 1123D	SG 2 WIDE RANGE	N-001
21	1JSGDLT 1124D	SG 2 NARROW RANGE	N-001
22	1JSGDLY 1113D	I/E CONVERTOR	N-001
23	1JSGDLY 1114D	I/E CONVERTOR	N-001
24	1JSGDLY 1123D	I/E CONVERTOR	N-001
25	1JSGDLY 1124D	I/E CONVERTOR	N-001
26	1JSGDPI 1013C	SG 1	N-001
27	1JSGDPI 1023C	SG 2	N-001
28	1JSGDPT 1013C	SG 1	N-001
29	1JSGDPT 1023C	SG 2	N-001
30	1JSGDPY 1013C	I/E CONVERTOR	N-001
31	1JSGDPY 1023C	I/E CONVERTOR	N-001
32	1JSGEFE 1011	SG 1 LN 1	N-001
33	1JSGEFE 1012	SG 1 LN 2	N-001
34	1JSGEFE 1021	SG 2 LN 1	N-001
35	1JSGEFE 1022	SG 2 LN 2	N-001
36	1JSGEFX 0178	STRIP RESISTOR SG 1	J-601A
37	1JSGEFX 0179	STRIP RESISTOR SG 2	J-601A
38	1JSGEHV 0041	SG 1 HOT LEG BLOWN ISOL	P-221B
39	1JSGEHV 0042	SG 2 HOT LEG BLOWN ISOL	P-221B
40	1JSGEHV 0043	SG 1 COLD LEG BLOWN ISOL	P-221B
41	1JSGEHV 0044	SG 2 COLD LEG BLOWN ISOL	P-221B
42	1JSGEPSH 0241	UV-170 MSIV HYD	N-234A
43	1JSGEPSH 0242	UV-180 MSIV HYD	N-234A
44	1JSGEPSH 0243	UV-171 MSIV HYD	N-234A
45	1JSGEPSH 0244	UV-181 MSIV HYD	N-234A
46	1JSGEPSV 0554	SG 2 MAIN STM LN 1	N-001
47	1JSGEPSV 0555	SG 2 MAIN STM LN 1	N-001
48	1JSGEPSV 0556	SG 2 MAIN STM LN 1	N-001
49	1JSGEPSV 0557	SG 2 MAIN STM LN 1	N-001
50	1JSGEPSV 0558	SG 2 MAIN STM LN 2	N-001
51	1JSGEPSV 0559	SG 2 MAIN STM LN 2	N-001
52	1JSGEPSV 0560	SG 2 MAIN STM LN 2	N-001
53	1JSGEPSV 0561	SG 2 MAIN STM LN 2	N-001
54	1JSGEPSV 0572	SG 1 MAIN STM LN 1	N-001
55	1JSGEPSV 0573	SG 1 MAIN STM LN 1	N-001
56	1JSGEPSV 0574	SG 1 MAIN STM LN 1	N-001
57	1JSGEPSV 0575	SG 1 MAIN STM LN 1	N-001



	TAG NUMBER	DESCRIPTION	ECCHEL SPEC/PU
4	1JSGEPSV 0576	SG 1 MAIN STM LN 2	N-001
5	1JSGEPSV 0577	SG 1 MAIN STM LN 2	N-001
6	1JSGEPSV 0578	SG 1 MAIN STM LN 2	N-001
7	1JSGEPSV 0579	SG 1 MAIN STM LN 2	N-001
8	1JSGEPSV 0691	SG 1 MAIN STM LN 2	N-001
9	1JSGEPSV 0692	SG 1 MAIN STM LN 1	N-001
10	1JSGEPSV 0694	SG 2 MAIN STM LN 2	N-001
11	1JSGEPSV 0695	SG 2 MAIN STM LN 1	N-001
12	1JSGEUV 0169	SG 1 MSIV BYPASS	P-221B
13	1JSGEUV 0170	SG 1 LN 1 MSIV	N-234
14	1JSGEUV 0171	SG 2 LN 1 MSIV	N-234A
15	1JSGEUV 0180	SG 1 LN 2 MSIV	N-234A
16	1JSGEUV 0181	SG 2 LN 2 MSIV	N-234A
17	1JSGEUV 0183	SG 2 MSIV BYPASS	P-221B
18	1JSGEZE 0696	MAIN STEAM RELIEF VLV	FLOW DETECTOR S NOT YET ORDERED
19	1JSGEZE 0697	MAIN STEAM RELIEF VLV	
20	1JSGEZE 0698	MAIN STEAM RELIEF VLV	
21	1JSGEZE 0699	MAIN STEAM RELIEF VLV	
22	1JSGEZE 0700	MAIN STEAM RELIEF VLV	
23	1JSGEZE 0701	MAIN STEAM RELIEF VLV	
24	1JSGEZE 0702	MAIN STEAM RELIEF VLV	
25	1JSGEZE 0703	MAIN STEAM RELIEF VLV	
26	1JSGEZE 0704	MAIN STEAM RELIEF VLV	
27	1JSGEZE 0705	MAIN STEAM RELIEF VLV	
28	1JSGEZE 0706	MAIN STEAM RELIEF VLV	
29	1JSGEZE 0707	MAIN STEAM RELIEF VLV	
30	1JSGEZE 0708	MAIN STEAM RELIEF VLV	
31	1JSGEZE 0709	MAIN STEAM RELIEF VLV	
32	1JSGEZE 0710	MAIN STEAM RELIEF VLV	
33	1JSGEZE 0711	MAIN STEAM RELIEF VLV	
34	1JSGEZE 0712	MAIN STEAM RELIEF VLV	
35	1JSGEZE 0713	MAIN STEAM RELIEF VLV	
36	1JSGEZE 0714	MAIN STEAM RELIEF VLV	
37	1JSGEZE 0715	MAIN STEAM RELIEF VLV	
38	1JSGEZY 0696	MAIN STEAM RELIEF VLV	
39	1JSGEZY 0697	MAIN STEAM RELIEF VLV	
40	1JSGEZY 0698	MAIN STEAM RELIEF VLV	
41	1JSGEZY 0699	MAIN STEAM RELIEF VLV	
42	1JSGEZY 0700	MAIN STEAM RELIEF VLV	
43	1JSGEZY 0701	MAIN STEAM RELIEF VLV	
44	1JSGEZY 0702	MAIN STEAM RELIEF VLV	
45	1JSGEZY 0703	MAIN STEAM RELIEF VLV	
46	1JSGEZY 0704	MAIN STEAM RELIEF VLV	
47	1JSGEZY 0705	MAIN STEAM RELIEF VLV	
48	1JSGEZY 0706	MAIN STEAM RELIEF VLV	
49	1JSGEZY 0707	MAIN STEAM RELIEF VLV	
50	1JSGEZY 0708	MAIN STEAM RELIEF VLV	
51	1JSGEZY 0709	MAIN STEAM RELIEF VLV	
52	1JSGEZY 0710	MAIN STEAM RELIEF VLV	
53	1JSGEZY 0711	MAIN STEAM RELIEF VLV	
54	1JSGEZY 0712	MAIN STEAM RELIEF VLV	
55	1JSGEZY 0713	MAIN STEAM RELIEF VLV	
56	1JSGEZY 0714	MAIN STEAM RELIEF VLV	
57	1JSGEZY 0715	MAIN STEAM RELIEF VLV	



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INSTRUMENT - "C" CLASS

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TAG NUMBER

DESCRIPTION

ECCITEL
SPEC/PU

1JSGNHS 0041	SG 1 HOT LEG BLOWN ISOL	J-200
1JSGNHS 0042	SG 2 HOT LEG BLOWN ISOL	J-200
1JSGNHS 0043	SG 1 COLD LEG BLOWN ISOL	J-200
1JSGNHS 0044	SG 2 COLD LEG BLOWN ISOL	J-200

TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PG
1JSTEAG01A	SI TK 2A XMITTER RACK	13NM001
1JSTEAG01B	SI TK 2B XMITTER RACK	13NM001
1JSTEAG01C	SI TK 1A XMITTER RACK	13NM001
1JSTEAG01D	SI TK 1B XMITTER RACK	13NM001
1MSIAE01	SHUTDOWN COOLING HEAT EXCHNGER	13NM001
1MSIAF01	LPSI PP 1 STARTUP STRAINER	13PM201
1MSIAF02	HPSI PP 1 STARTUP STRAINER	13PM201
1MSIAF03	CS PP 1 STARTUP STRAINER	13PM201
1MSIAF04	CONT. RECIRC. SUMP 1 SCREEN	13CM069
1MSIAF05	SPRAY CHEM ADD PP1 ST-UP STRNR	13PM407
1MSIAU03	CONTAINMENT SPRAY NOZZLES	13NM001
1MSIAU04	CONTAINMENT SPRAY NOZZLES	13NM001
1MSIAP01	LPST PUMP 1	13NM001
1MSIAP02	HPSI PUMP 1	13NM001
1MSIAP03	CONTAINMENT SPRAY PUMP 1	13NM001
1MSIAP05	SPRAY CHEM ADD PUMP 1	13NM001
1MSIAU21	PENETRATION-CONT SPRAY	13MM500
1MSIAU23	PENETRATION-RECIRCULATION	13MM500
1MSIAU26	PENETRATION-SHUTDOWN COOLING	13MM500
1MSIBE01	SHUTDOWN COOLING HEAT EXCHNGER	13NM001
1MSIBF01	LPSI PP 2 STARTUP STRAINER	13PM201
1MSIBF02	HPSI PP 2 STARTUP STRAINER	13PM201
1MSIBF03	CS PP 2 STARTUP STRAINER	13PM201
1MSIBF04	CONT. RECIRC. SUMP 2 SCREEN	13CM069
1MSIBF05	SPRAY CHEM ADD PP2 ST-UP STRNR	13PM407
1MSIBU03	CONTAINMENT SPRAY NOZZLES	13NM001
1MSIBU04	CONTAINMENT SPRAY NOZZLES	13NM001
1MSIBP01	LPST PUMP 2	13NM001
1MSIBP02	HPSI PUMP 2	13NM001
1MSIBP03	CONTAINMENT SPRAY PUMP 2	13NM001
1MSIBP05	SPRAY CHEM ADD PUMP 2	13NM001
1MSIBU22	PENETRATION-CONT SPRAY	13MM500
1MSIBU24	PENETRATION-RECIRCULATION	13MM500
1MSIBU27	PENETRATION-SHUTDOWN COOLING	13MM500
1MSIEU01	ISOLATION PHOSPHATE BASKETS	
1MSIEU13	PENETRATION-HP SI	13MM500
1MSIEU14	PENETRATION-HP SI	13MM500
1MSIEU15	PENETRATION-HP SI	13MM500
1MSIEU16	PENETRATION-HP SI	13MM500
1MSIEU17	PENETRATION-LP SI	13MM500
1MSIEU18	PENETRATION-LP SI	13MM500
1MSIEU19	PENETRATION-LP SI	13MM500
1MSIEU20	PENETRATION-LP SI	13MM500
1MSIEU28	PENETRATION-SI TANK DRAIN	13MM500
1MSIEU67	PENTRTN-LONG TERM RECIRC 1	13MM500
1MSIEU77	PENTRTN-LONG TERM RECIRC 2	13MM500
1MSIEX01A	SAFETY INJECTION TANK (2A)	13NM001
1MSIEX01B	SAFETY INJECTION TANK (2B)	13NM001
1MSIEX01C	SAFETY INJECTION TANK (1A)	13NM001
1MSIEX01D	SAFETY INJECTION TANK (1B)	13NM001
1MSIEX03	SPRAY CHEMICAL STORAGE TANK	13NM001



TAG NUMBER

RECHTEL
SPEC/PO

1PSIAV004	13PF221A
1PSIAV005	13PF221A
1PSIAV006	13PF221A
1PSIAV007	13PF221A
1PSIAV009	13PF221A
1PSIAV016	13PF221A
1PSIAV018	13PF221A
1PSIAV023	13PF221A
1PSIAV028	13PF221A
1PSIAV032	13PF221A
1PSIAV037	13PF221A
1PSIAV039	13PF221A
1PSIAV046	13PF221A
1PSIAV047	13PF221A
1PSIAV055	13PF221A
1PSIAV056	13PF221A
1PSIAV068	13PF221A
1PSIAV069	13PF221A
1PSIAV070	13PF221A
1PSIAV071	13PF221A
1PSIAV080	13PF221A
1PSIAV081	13PF221A
1PSIAV083	13PF221A
1PSIAV084	13PF221A
1PSIAV088	13PF221A
1PSIAV089	13PF221A
1PSIAV105	13NF001 C
1PSIAV130	13NF001
1PSIAV148	13NF001
1PSIAV156	13NF001
1PSIAV157	13NF001 C
1PSIAV164	13NF001
1PSIAV170	13NF001
1PSIAV172	13NF001 C
1PSIAV174	13NF001 C
1PSIAV175	13NF001 C
1PSIAV184	13NF001 C
1PSIAV201	13NF001 C
1PSIAV203	13NF001 C
1PSIAV205	13NF001 C
1PSIAV207	13NF001 C
1PSIAV218	13NF001 C
1PSIAV253	13NF001
1PSIAV256	13NF001
1PSIAV257	13NF001 C
1PSIAV260	13NF001 C
1PSIAV262	13NF001 C
1PSIAV270	13NF001
1PSIAV271	13NF001
1PSIAV274	13NF001
1PSIAV404	13NF001 C
1PSIAV416	13NF001 C
1PSIAV419	13NF001 C
1PSIAV421	13NF001 C

TAG NUMBER

BECHTEL
SPEC/PO

1PSIAV424	13NM001 C
1PSIAV429	13NM001 C
1PSIAV433	13NM001 C
1PSIAV434	13NM001 C
1PSIAV435	13NM001 C
1PSIAV437	13NM001 C
1PSIAV438	13NM001 C
1PSIAV443	13NM001 C
1PSIAV450	13NM001 C
1PSIAV451	13NM001 C
1PSIAV458	13NM001 C
1PSIAV459	13NM001 C
1PSIAV465	13NM001 C
1PSIAV470	13NM001 C
1PSIAV476	13NM001 C
1PSIAV483	13NM001 C
1PSIAV485	13NM001 C
1PSIAV486	13NM001 C
1PSIAV523	13NM001
1PSIAV550	13NM001
1PSIAV551	13NM001
1PSIAV552	13NM001
1PSIAV801	13PM221A
1PSIAV807	13PM221A
1PSIAV810	13PM221A
1PSIAV811	13PM221A
1PSIAV817	13PM221A
1PSIAV819	13PM221A
1PSIAV820	13PM221A
1PSIAV821	13PM221A
1PSIAV824	13PM221A
1PSIAV828	13PM221A
1PSIAV833	13PM221A
1PSIAV836	13PM221A
1PSIAV839	13PM221A
1PSIAV840	13PM221A
1PSIAV841	13PM221A
1PSIAV848	13PM221A
1PSIAV849	13PM221A
1PSIAV850	13PM221A
1PSIAV851	13PM221A
1PSIAV856	13PM221A
1PSIAV859	13PM221A
1PSIAV864	13PM221A
1PSIAV866	13PM221A
1PSIAV874	13PM221A
1PSIAV876	13PM221A
1PSIAV884	13PM221A
1PSIAV885	13PM221A
1PSIAV892	13PM221A
1PSIAV899	13PM221A
1PSIAV902	13PM221A
1PSIAV906	13PM221A
1PSIAV908	13PM221A



TAG NUMBER

RECHTEL
SPEC/PO

1PSIAV909	13PM221A
1PSIAV925	13PM221A
1PSIAV926	13PM221A
1PSIAV927	13PM221A
1PSIAV932	13PM221A
1PSIAV935	13PM221C
1PSIAV940	13PM221C
1PSIAV944	13PM221A
1PSIAV945	13PM221A
1PSIBV011	13PM221A
1PSIBV012	13PM221A
1PSIBV013	13PM221A
1PSIBV014	13PM221A
1PSIBV015	13PM221A
1PSIBV017	13PM221A
1PSIBV019	13PM221A
1PSIBV024	13PM221A
1PSIBV030	13PM221A
1PSIBV031	13PM221A
1PSIBV040	13PM221A
1PSIBV041	13PM221A
1PSIBV042	13PM221A
1PSIBV045	13PM221A
1PSIBV050	13PM221A
1PSIBV057	13PM221A
1PSIBV073	13PM221A
1PSIBV074	13PM221A
1PSIBV075	13PM221A
1PSIBV090	13PM221A
1PSIBV091	13PM221A
1PSIBV092	13PM221A
1PSIBV093	13PM221A
1PSIBV094	13PM221A
1PSIBV096	13PM221A
1PSIBV097	13PM221A
1PSIBV098	13PM221A
1PSIBV104	13NM001
1PSIBV120	13NM001
1PSIBV128	13NM001
1PSIBV155	13NM001
1PSIBV158	13NM001 C
1PSIBV166	13PM221A
1PSIBV176	13NM001 C
1PSIBV177	13NM001 C
1PSIBV180	13NM001 C
1PSIBV182	13NM001 C
1PSIBV185	13NM001 C
1PSIBV200	13NM001 C
1PSIBV202	13NM001 C
1PSIBV204	13NM001 C
1PSIBV206	13NM001 C
1PSIBV208	13NM001 C
1PSIBV219	13NM001 C
1PSIBV254	13NM001



TAG NUMBER

RECHTEL
SPEC/PO

1PS1BV264	13NM001 C
1PS1BV266	13NM001 C
1PS1BV268	13NM001 C
1PS1BV272	13NM001
1PS1BV273	13NM001
1PS1BV400	13NM001
1PS1BV402	13NM001 C
1PS1BV405	13NM001 C
1PS1BV408	13NM001 C
1PS1BV418	13NM001 C
1PS1BV420	13NM001 C
1PS1BV426	13NM001 C
1PS1BV427	13NM001 C
1PS1BV436	13NM001 C
1PS1BV440	13NM001 C
1PS1BV441	13NM001 C
1PS1BV442	13NM001 C
1PS1BV445	13NM001 C
1PS1BV446	13NM001 C
1PS1BV447	13NM001 C
1PS1BV448	13NM001 C
1PS1BV454	13NM001
1PS1BV455	13NM001
1PS1BV478	13NM001
1PS1BV482	13NM001 C
1PS1BV484	13NM001
1PS1BV487	13NM001
1PS1BV509	13NM001
1PS1BV533	13NM001
1PS1BV553	13NM001
1PS1BV554	13NM001
1PS1BV555	13NM001
1PS1BV814	13PM221A
1PS1BV815	13PM221A
1PS1BV825	13PM221A
1PS1BV829	13PM221A
1PS1BV831	13PM221A
1PS1BV832	13PM221A
1PS1BV834	13PM221A
1PS1BV837	13PM221A
1PS1BV842	13PM221A
1PS1BV843	13PM221A
1PS1BV852	13PM221A
1PS1BV853	13PM221A
1PS1BV854	13PM221A
1PS1BV855	13PM221A
1PS1BV861	13PM221A
1PS1BV862	13PM221A
1PS1BV867	13PM221A
1PS1BV869	13PM221A
1PS1BV870	13PM221A
1PS1BV871	13PM221A
1PS1BV879	13PM221A
1PS1BV886	13PM221A



TAG NUMBER

BECHTEL
SPEC/PO

1PSIEV891	13PM221A
1PSIEV895	13PM221A
1PSIEV896	13PM221A
1PSIEV900	13PM221A
1PSIEV904	13PM221A
1PSIEV905	13PM221A
1PSIEV907	13PM221A
1PSIEV910	13PM221A
1PSIEV931	13PM221A
1PSIEV933	13PM221C
1PSIEV937	13PM221C
1PSIEV938	13PM221C
1PSIEV939	13PM221C
1PSIEV941	13PM221A
1PSIEV942	13PM221A
1PSIEV059	13PM221A
1PSIEV060	13PM221A
1PSIEV061	13PM221A
1PSIEV062	13PM221A
1PSIEV063	13PM221A
1PSIEV064	13PM221A
1PSIEV085	13PM221A
1PSIEV099	13PM221A
1PSIEV101	13NM001
1PSIEV108	13NM001
1PSIEV113	13NM001
1PSIEV114	13NM001
1PSIEV115	13NM001 C
1PSIEV116	13NM001 C
1PSIEV117	13NM001
1PSIEV119	13NM001
1PSIEV123	13NM001 C
1PSIEV124	13NM001 C
1PSIEV125	13NM001 C
1PSIEV126	13NM001 C
1PSIEV127	13NM001
1PSIEV129	13NM001
1PSIEV133	13NM001 C
1PSIEV134	13NM001 C
1PSIEV135	13NM001 C
1PSIEV136	13NM001 C
1PSIEV137	13NM001
1PSIEV139	13NM001
1PSIEV143	13NM001 C
1PSIEV144	13NM001 C
1PSIEV145	13NM001 C
1PSIEV146	13NM001 C
1PSIEV147	13NM001
1PSIEV149	13NM001
1PSIEV152	13NM001
1PSIEV165	13NM001
1PSIEV188	13NM001
1PSIEV210	13NM001
1PSIEV212	13NM001

TAG NUMBER

BECHTLL
SPEC/PO

1PSIEV213	13NM001 C
1PSIEV214	13NM001 C
1PSIEV215	13NM001 C
1PSIEV216	13NM001 C
1PSIEV217	13NM001 C
1PSIEV220	13NM001 C
1PSIEV222	13NM001 C
1PSIEV223	13NM001 C
1PSIEV224	13NM001 C
1PSIEV225	13NM001 C
1PSIEV226	13NM001 C
1PSIEV227	13NM001 C
1PSIEV228	13NM001 C
1PSIEV229	13NM001 C
1PSIEV230	13NM001 C
1PSIEV232	13NM001 C
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1PSIEV249	13NM001 C
1PSIEV252	13NM001 C
1PSIEV258	13NM001 C
1PSIEV259	13NM001 C
1PSIEV2F1	13NM001 C
1PSIEV282	13NM001 C
1PSIEV283	13NM001 C
1PSIEV284	13NM001 C
1PSIEV298	13NM001 C
1PSIEV460	13NM001 C
1PSIEV461	13NM001 C
1PSIEV462	13NM001 C
1PSIEV463	13NM001 C
1PSIEV464	13NM001 C
1PSIEV500	13NM001 C
1PSIEV501	13NM001 C
1PSIEV506	13NM001 C
1PSIEV508	13NM001 C
1PSIEV510	13NM001 C
1PSIEV511	13NM001 C
1PSIEV516	13NM001 C
1PSIEV522	13NM001 C
1PSIEV525	13NM001 C

TAG NUMBER

RECHTEL
SPEC/PO

1PSIEV526	13NM001 C
1PSIEV532	13NM001 C
1PSIEV535	13NM001 C
1PSIEV536	13NM001 C
1PSIEV540	13NM001
1PSIEV541	13NM001
1PSIEV542	13NM001
1PSIEV543	13NM001
1PSIEV803	13PM221A
1PSIEV804	13PM221A
1PSIEV826	13PM221A
1PSIEV827	13PM221A
1PSIEV830	13PM221A
1PSIEV835	13PM221A
1PSIEV838	13PM221A
1PSIEV857	13PM221A
1PSIEV858	13PM221A
1PSIEV860	13PM221A
1PSIEV863	13NM001A
1PSIEV865	13PM221A
1PSIEV868	13PM221A
1PSIEV872	13PM221A
1PSIEV877	13PM221A
1PSIEV878	13PM221A
1PSIEV880	13PM221A
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1PSIEV897	13PM221A
1PSIEV898	13PM221A
1PSIEV911	13PM221A
1PSIEV915	13PM221A
1PSIEV916	13PM221A
1PSIEV919	13PM221A
1PSIEV920	13PM221A
1PSIEV921	13PM221A
1PSIEV922	13PM221A
1PSIEV923	13PM221A
1PSIEV924	13PM221A
1PSIEV930	13PM221A
1PSIEV947	13PM221A



TAG NUMBER	DESCRIPTION	DECTEL SPEC/PU
1J5IAFE 0306	LPSI PP A HDR DSCH	N-001
1J5IAFE 0308	SPRAY CHEM PP A DISCH	N-001
1J5IAFE 0331	HPSI FLOW TO RC 1A	N-001
1J5IAFE 0338	CURT SPRAY PP A DSCH	N-001
1J5IAFE 0341	HPSI FLOW TO RC 1B	N-001
1J5IAFE 0390	HPSI PP A LONG TERM CLG	N-001
1J5IAFI 0306	LPSI PP A HDR DSCH	N-001
1J5IAFI 0306-1	LPSI PP A HDR DSCH--RS	N-001
1J5IAFI 0308	SPRAY CHEM PP A DISCH	N-001
1J5IAFI 0331	HPSI FLOW TO RC 1A/1B	N-001
1J5IAFI 0338	CURT SPRAY PP A DSCH	N-001
1J5IAFI 0390	HPSI PP A LONG TERM CLG	N-001
1J5IAFO 0019	LPSI PP A RECIRC	N-001
1J5IAFO 0021	CS PP A RECIRC	N-001
1J5IAFO 0023	HOT LEG 10J A BYPASS	J-425
1J5IAFO 0025	HPSI A RECIRC TO RWI	N-001
1J5IAFO 0031	CNTMT SPRAY HDR NO 1 AUX SPKAY	J-425
1J5IAFO 0033	CNTMT SPRAY HDR NO 1 AUX SPRAY	J-425
1J5IAFO 0039	LPSI DSCH HDR 1A	J-425
1J5IAFO 0041	LPSI DSCH HDR 1B	J-425
1J5IAFO 0043	HPSI A DSCH HDR 1B	J-425
1J5IAFO 0045	HPSI A DSCH HDR 1A	J-425
1J5IAFO 0047	HPSI A DSCH HDR 2B	J-425
1J5IAFO 0049	HPSI A DSCH HDR 2A	J-425
1J5IAFO 0051	CURT SPRAY HDR	J-425
1J5IAFO 0052	CURT SPRAY HDR	J-425
1J5IAFO 0053	CURT SPRAY HDR	J-425
1J5IAFO 0054	CURT SPRAY HDR	J-425
1J5IAFI 0306	LPSI PP A HDR DSCH	N-001
1J5IAFI 0308	SPRAY CHEM PP A DISCH	N-001
1J5IAFI 0331	HPSI FLOW TO RC 1A	N-001
1J5IAFI 0338	CURT SPRAY PP A DSCH	N-001
1J5IAFI 0341	HPSI FLOW TO RC 1B	N-001
1J5IAFI 0390	HPSI PP A LONG TERM CLG	N-001
1J5IAFY 0306	I/E CONVERTOR	N-001
1J5IAFY 0306-1	SQ. ROOT CONVERTOR	N-001
1J5IAFY 0308	I/E CONVERTOR	N-001
1J5IAFY 0308-1	SQ. ROOT CONVERTOR	N-001
1J5IAFY 0331	I/E CONVERTOR	N-001
1J5IAFY 0331-1	SQ. ROOT CONVERTOR	N-001
1J5IAFY 0338	I/E CONVERTOR	N-001
1J5IAFY 0338-1	SQ. ROOT CONVERTOR	N-001
1J5IAFY 0341	I/E CONVERTOR	N-001
1J5IAFY 0341-1	SQ. ROOT CONVERTOR	N-001
1J5IAFY 0390	I/E CONVERTOR	N-001
1J5IAFY 0390-1	SQ. ROOT CONVERTOR	N-001
1J5IAHS 0001	HPSI PP A	J-200
1J5IAHS 0003	LPSI PP A	J-200
1J5IAHS 0005	CNTMT SPRAY PP A	J-200
1J5IAHS 0017A	SI TK VENT VLVS A PWR DISC	J-200
1J5IAHS 0017H	SI TK VENT VLVS A PWR DISC--RS	N-001
1J5IAHS 0060	SI SPRAY CHEM ADDITION PP A	J-200
1J5IAHS 0306	LPSI PP A HDR DSCH	J-200
1J5IAHS 0603	SPRAY CHEM PP A	J-200



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A-1 12	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1	IJSIAHS 0604	HPSI PP A LONG TERM CLG	J-200
2	IJSIAHS 0605A	SI TK 1 VENT--CR	J-200
3	IJSIAHS 0605B	SI TK 1 VENT--RS	N-001
4	IJSIAHS 0606A	SI TK 2 VENT--CR	J-200
5	IJSIAHS 0606B	SI TK 2 VENT--RS	N-001
6	IJSIAHS 0607A	SI TK 3 VENT--CR	J-200
7	IJSIAHS 0607B	SI TK 3 VENT--RS	N-001
8	IJSIAHS 0608A	SI TK 4 VENT--CR	J-200
9	IJSIAHS 0608B	SI TK 4 VENT--RS	N-001
10	IJSIAHS 0617	HPSI 1 FLOW CONTROL TO RC 2A	J-200
11	IJSIAHS 0619	N2 STOP SI TK 1	J-200
12	IJSIAHS 0627	HPSI 1 FLOW CONTROL TO RC 2B	J-200
13	IJSIAHS 0629	N2 SUPPLY SI TK 2	J-200
14	IJSIAHS 0634	SI TK 3 ISOL	J-200
15	IJSIAHS 0635	LPSI FLOW CONTROL TO RC 1A	J-200
16	IJSIAHS 0637	HPSI A FLOW CONTROL TO RC 1A	J-200
17	IJSIAHS 0639	N2 SUPPLY SI TK 3	J-200
18	IJSIAHS 0644	SI TK 4 ISOL	J-200
19	IJSIAHS 0645	LPSI FLOW CONTROL TO RC 1B	J-200
20	IJSIAHS 0647	HPSI 1 FLOW CONTROL TO RC 1B	J-200
21	IJSIAHS 0649	N2 STOP SI TK 4	J-200
22	IJSIAHS 0651	S/D CLG ISOL LOOP 1	J-200
23	IJSIAHS 0655	S/D CLG CONT ISOL LOOP 1	J-200
24	IJSIAHS 0657	S/D CLG TEMP CONTROL TRAIN A	J-200
25	IJSIAHS 0660	TRAIN A RECIRC TO RWT	J-200
26	IJSIAHS 0660-1	TRAIN A RECIRC TO RWT--RS	N-001
27	IJSIAHS 0664	CS PPP A TO RWT ISOL	J-200
28	IJSIAHS 0666	HPSI PMP A TO RWT ISOL	J-200
29	IJSIAHS 0669	LPSI PMP A TO RWT ISOL	J-200
30	IJSIAHS 0672	CONT SPRAY CONTROL TRAIN A	J-200
31	IJSIAHS 0673	CONT SUMP ISOL TRAIN A	J-200
32	IJSIAHS 0674	CONT SUMP ISOL TRAIN A	J-200
33	IJSIAHS 0678	S/D CLG HE ISOL TRAIN A	J-200
34	IJSIAHS 0681	SPRAY CHEM PP A DSCH TO CS PP	J-200
35	IJSIAHS 0682	RWT RETURN HDR CONT ISOL VLV	J-200
36	IJSIAHS 0683	LPSI PP A ISOL	J-200
37	IJSIAHS 0684	S/D CLG HE ISOL TRAIN A	J-200
38	IJSIAHS 0685	LPSI-CONT SPRAY PP CROSS A	J-200
39	IJSIAHS 0686	CONT SPRAY A CROSS CONNECT	J-200
40	IJSIAHS 0687	CONT SPRAY ISOL TRAIN A	J-200
41	IJSIAHS 0688	S/D CLG HE A BYPASS	J-200
42	IJSIAHS 0691	S/D CLG LOOP A WARMUP BYPASS	J-200
43	IJSIAHS 0698	HPSI PP A DSCH	J-200
44	IJSIAHS 0708	RECIRC SUMP A FOR PASS	J-200
45	IJSIAHS 0709	HPSI PP A RECIRC FOR PASS	J-200
46	IJSIAHV 0306	LPSI PP A HDR DSCH	N-001
47	IJSIAHV 0604	HPSI PP A LONG TERM CLG	N-001
48	IJSIAHV 0605	SI TK 1 VENT	N-001
49	IJSIAHV 0606	SI TK 2 VENT	N-001
50	IJSIAHV 0607	SI TK 3 VENT	N-001
51	IJSIAHV 0608	SI TK 4 VENT	N-001
52	IJSIAHV 0619	N2 STOP SI TK 1	N-001
53	IJSIAHV 0629	N2 SUPPLY SI TK 2	N-001
54	IJSIAHV 0639	N2 SUPPLY SI TK 3	N-001

TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
IJSIAHV 0649	N2 STOP SI TK 4	N-001
IJSIAHV 0657	S/D CLG TEMP CONTROL TRAIN A	N-001
IJSIAHV 0678	S/D CLG HE ISOL TRAIN A	N-001
IJSIAHV 0683	LPSI PP A ISOL	N-001
IJSIAHV 0684	S/D CLG HE ISOL TRAIN A	N-001
IJSIAHV 0685	LPSI-CONT SPRAY PP CROSS A	N-001
IJSIAHV 0686	CONT SPRAY A CROSS CONNECT	N-001
IJSIAHV 0687	CONT SPRAY ISOL TRAIN A	N-001
IJSIAHV 0688	S/D CLG HE A BYPASS	N-001
IJSIAHV 0691	S/D CLG LOOP A WARMUP BYPASS	N-001
IJSIAHV 0698	HPSI PP A DSCH	N-001
IJSIAHV 0700	RECIRC SUMP A FOR PASS	J-603
IJSIAHV 0709	HPSI PP A RECIRC FOR PASS	J-603
IJSIAHV 0619	N2 STOP SI TK 1	N-001
IJSIAHV 0629	N2 SUPPLY SI TK 2	N-001
IJSIAHV 0639	N2 SUPPLY SI TK 3	N-001
IJSIAHV 0649	N2 STOP SI TK 4	N-001
IJSIALE 0706A	CONTAINMENT WATER LEVEL	J-475
IJSIALE 0706B	CONTAINMENT WATER LEVEL	J-475
IJSIALI 0331	SI TKS 3/4	N-001
IJSIALI 0345	SPRAY CHEM STORAGE TANK	N-001
IJSIALI 0349	SPRAY CHEM STORAGE TANK	N-001
IJSIALSL 0349	SPRAY CHEM STORAGE TANK	N-001
IJSIALSLL0345	SPRAY CHEM STORAGE TANK	N-001
IJSIALI 0331	SI TK 3	N-001
IJSIALI 0341	SI TK 4	N-001
IJSIALI 0345	SPRAY CHEM STORAGE TANK	N-001
IJSIALI 0349	SPRAY CHEM STORAGE TANK	N-001
IJSIALI 0704	CONTIN SPRAY SYS A HDR WIR LVL	J-311
IJSIALI 0706	CONTAINMENT WATER LEVEL	J-475
IJSIALY 0331	I/E CONVERTOR	N-001
IJSIALY 0341	I/E CONVERTOR	N-001
IJSIALY 0345	I/E CONVERTOR	N-001
IJSIALY 0349	I/E CONVERTOR	N-001
IJSIAPI 0331	SI TKS 3/4	N-001
IJSIAPI 0331-1	SI TK 3--KS	N-001
IJSIAPI 0333	SI TKS 3/4	N-001
IJSIAPI 0341-1	SI TK 4--KS	N-001
IJSIAPSHH0333	SI TK 3	N-001
IJSIAPSHH0343	SI TK 4	N-001
IJSIAPSL 0333-1	SI TK 3--1E ALARM	N-001
IJSIAPSL 0343-1	SI TK 4--1E ALARM	N-001
IJSIAPSL0333	SI TK 3	N-001
IJSIAPSL0343	SI TK 4	N-001
IJSIAPSV 0150	FUEL POOL CLG A RELIEF TO EDT	N-001
IJSIAPSV 0151	CONTIN RECIRC SUMP A RELIEF	N-001
IJSIAPSV 0159	SPRAY CHEM PP A SUCTION	N-001
IJSIAPSV 0161	LPSI A TO FUEL POOL CLG RELIEF	N-001
IJSIAPSV 0162	LPSI A TO FUEL POOL CLG RELIEF	N-001
IJSIAPSV 0178	SPRAY CHEM PP A RELIEF	N-001
IJSIAPSV 0179	S/D CLG TRAIN A RETURN RELIEF	N-001
IJSIAPSV 0194	S/D CLG HE OUT TRAIN A TO EDT	N-001
IJSIAPSV 0285	TRAIN A RECIRC THERMAL RELIEF	N-001
IJSIAPSV 0289	S/D CLG THERMAL RELIEF TRAIN A	N-001



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1JSIAPSV 0417	HPSI A THERMAL RELIEF TO EDI	N-001
1JSIAPSV 0439	LPSI A THERMAL RELIEF TO EDI	N-001
1JSIAPSV 0468	HPSI PP A LONG TERM CLG	N-001
1JSIAPSV 0469	S/D CLG TRAIN A	N-001
1JSIAPT 0331	SI TR 3	N-001
1JSIAPT 0333	SI TR 3	N-001
1JSIAPT 0341	SI TR 4	N-001
1JSIAPT 0343	SI TR 4	N-001
1JSIAPY 0331	I/E CONVERTOR	N-001
1JSIAPY 0333	I/E CONVERTOR	N-001
1JSIAPY 0341	I/E CONVERTOR	N-001
1JSIAPY 0343	I/E CONVERTOR	N-001
1JSIATE 0303X	S/D CLG HE OUT TRAIN A	N-001
1JSIATE 0351X	S/D CLG TRAIN A	N-001
1JSIATE 0351Y	S/D CLG TRAIN A	N-001
1JSIATE 0712	CONTINT RECIRC SUMP TRAIN A	J-556
1JSIATI 0303X	S/D CLG HE OUT TRAIN A	N-001
1JSIATI 0351X	S/D CLG TRAIN A--RS	N-001
1JSIATI 0351Y	S/D CLG TRAIN A--RS	N-001
1JSIATE 0351	S/D CLG TRAIN A	N-001
1JSIATT 0303X	R/E CONVERTOR	N-001
1JSIATT 0351X	R/E CONVERTOR	N-001
1JSIATT 0351Y	R/E CONVERTOR	N-001
1JSIATV 0303X	S/D CLG HE OUT TRAIN A	N-001
1JSIATV 0351X	S/D CLG TRAIN A	N-001
1JSIATV 0351Y	S/D CLG TRAIN A	N-001
1JSIATW 0712	CONTINT RECIRC SUMP TRAIN A	J-556
1JSIAUV 0603	SPRAY CHEM PP A SUCTION	N-001
1JSIAUV 0617	HPSI 1 FLOW CONTROL TO RC 2A	N-001
1JSIAUV 0627	HPSI 1 FLOW CONTROL TO RC 2B	N-001
1JSIAUV 0634	SI TR 3 ISOL	N-001
1JSIAUV 0635	LPSI FLOW CONTROL TO RC 1A	N-001
1JSIAUV 0637	HPSI A FLOW CONTROL TO RC 1A	N-001
1JSIAUV 0644	SI TR 4 ISOL	N-001
1JSIAUV 0645	LPSI FLOW CONTROL TO RC 1B	N-001
1JSIAUV 0647	HPSI 1 FLOW CONTROL TO RC 1B	N-001
1JSIAUV 0651	S/D CLG ISOL LOOP 1	N-001
1JSIAUV 0655	S/D CLG CONT ISOL LOOP 1	N-001
1JSIAUV 0660	TRAIN A RECIRC TO RWT	N-001
1JSIAUV 0664	CS PMP A TO RWT ISOL	N-001
1JSIAUV 0666	HPSI PMP A TO RWT ISOL	N-001
1JSIAUV 0669	LPSI PMP A TO RWT ISOL	N-001
1JSIAUV 0672	CONT SPRAY CONTROL TRAIN A	N-001
1JSIAUV 0673	CONT SUMP ISOL TRAIN A	N-001
1JSIAUV 0674	CONT SUMP ISOL TRAIN A	N-001
1JSIAUV 0681	SPRAY CHEM PP A DSCH TO CS PP	N-001
1JSIAUV 0682	RAT RETURN HDR CONT ISOL VLV	N-001
1JSIAUY 0682	RWT RETURN HDR CONT ISOL VLV	N-001
1JSIAXCV 0346	EXC FLOW CHK VLV FOR PI-346	J-705
1JSIAZI 0306	LPSI PP A HDR DSCH	J-200
1JSIAZI 0604	HPSI PP A LONG TERM CLG	J-200
1JSIAZI 0617	HPSI 1 FLOW CONTROL TO RC 2A	J-200
1JSIAZI 0627	HPSI 1 FLOW CONTROL TO RC 2B	J-200
1JSIAZI 0634	SI TR 3 ISOL	J-200



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TAG NO SER	DESCRIPTION	RECHTEL SPEC/PU
1JSIAZ1 0635	LPSI FLOW CONTROL TO RC 1A	J-200
1JSIAZ1 0637	HPSI A FLOW CONTROL TO RC 1A	J-200
1JSIAZ1 0644	SI TR 4 ISOL	J-200
1JSIAZ1 0645	LPSI FLOW CONTROL TO RC 1B	J-200
1JSIAZ1 0647	HPSI 1 FLOW CONTROL TO RC 1B	J-200
1JSIAZ1 0651	S/D CLG ISOL LOOP 1	J-200
1JSIAZ1 0657	S/D CLG TEMP CONTROL TRAIN A	J-200
1JSIAZ1 0672	CONT SPRAY CONTROL TRAIN A	J-200
1JSIAZ1 0678	S/D CLG HE ISOL TRAIN A	J-200
1JSIAZ1 0606	LPSI PP A HDR DSCH	N-001
1JSIAZ1 0604	HPSI PP A LONG TERM CLG	N-001
1JSIAZ1 0617	HPSI 1 FLOW CONTROL TO RC 2A	N-001
1JSIAZ1 0627	HPSI 1 FLOW CONTROL TO RC 2B	N-001
1JSIAZ1 0634	SI TR 3 ISOL	N-001
1JSIAZ1 0635	LPSI FLOW CONTROL TO RC 1A	N-001
1JSIAZ1 0637	HPSI A FLOW CONTROL TO RC 1A	N-001
1JSIAZ1 0644	SI TR 4 ISOL	N-001
1JSIAZ1 0645	LPSI FLOW CONTROL TO RC 1B	N-001
1JSIAZ1 0647	HPSI 1 FLOW CONTROL TO RC 1B	N-001
1JSIAZ1 0651	S/D CLG ISOL LOOP 1	N-001
1JSIAZ1 0657	S/D CLG TEMP CONTROL TRAIN A	N-001
1JSIAZ1 0672	CONT SPRAY CONTROL TRAIN A	N-001
1JSIAZ1 0678	S/D CLG HE ISOL TRAIN A	N-001
1JSIBFE 0307	LPSI PP B HDR DSCH	N-001
1JSIBFE 0309	SPRAY CHEM PP B DISCH	N-001
1JSIBFE 0311	HPSI FLOW TO RC 2A	N-001
1JSIBFE 0321	HPSI FLOW TO RC 2B	N-001
1JSIBFE 0348	CONT SPRAY PP B DSCH	N-001
1JSIBFE 0391	HPSI PP B LONG TERM CLG	N-001
1JSIBFI 0307	LPSI PP B HDR DSCH	N-001
1JSIBFI 0307-1	LPSI PP B HDR DSCH--RS	N-001
1JSIBFI 0309	SPRAY CHEM PP B DISCH	N-001
1JSIBFI 0311	HPSI FLOW TO RC 2A/2B	N-001
1JSIBFI 0348	CONT SPRAY PP B DSCH	N-001
1JSIBFI 0391	HPSI PP B LONG TERM CLG	N-001
1JSIBFO 0020	LPSI PP B RECIRC	N-001
1JSIBFO 0022	CS PP B RECIRC	N-001
1JSIBFO 0024	HOT LEG INJ B BYPASS	J-425
1JSIBFO 0026	HPSI B RECIRC TO RWI	N-001
1JSIBFO 0032	CONT SPRAY HDR NO 2 AUX SPRAY	J-425
1JSIBFO 0034	CONT SPRAY HDR NO 2 AUX SPRAY	J-425
1JSIBFO 0040	LPSI DSCH HDR 2A	J-425
1JSIBFO 0042	LPSI DSCH HDR 2B	J-425
1JSIBFO 0044	HPSI B DSCH HDR 1B	J-425
1JSIBFO 0046	HPSI B DSCH HDR 1A	J-425
1JSIBFO 0048	HPSI B DSCH HDR 2B	J-425
1JSIBFO 0050	HPSI B DSCH HDR 2A	J-425
1JSIBFO 0055	CONT SPRAY HDR	J-425
1JSIBFO 0056	CONT SPRAY HDR	J-425
1JSIBFO 0057	CONT SPRAY HDR	J-425
1JSIBFO 0058	CONT SPRAY HDR	J-425
1JSIBFT 0307	LPSI PP B HDR DSCH	N-001
1JSIBFT 0309	SPRAY CHEM PP B DISCH	N-001
1JSIBFT 0311	HPSI FLOW TO RC 2A	N-001

TAG NUMBER	DESCRIPTION	ECOTEL SPEC/PU
1JS1FF1 0321	HPSI FLOW TO RC 2B	N-001
1JS1FF1 0348	CONT SPRAY PP B DSCH	N-001
1JS1FF1 0391	HPSI PP B LONG TERM CLG	N-001
1JS1FFY 0307	I/E CONVERTOR	N-001
1JS1FFY 0307-1	SG. ROOT CONVERTOR	N-001
1JS1FFY 0309	I/E CONVERTOR	N-001
1JS1FFY 0309-1	SG. ROOT CONVERTOR	N-001
1JS1FFY 0311	I/E CONVERTOR	N-001
1JS1FFY 0311-1	SG. ROOT CONVERTOR	N-001
1JS1FFY 0321	I/E CONVERTOR	N-001
1JS1FFY 0321-1	SG. ROOT CONVERTOR	N-001
1JS1FFY 0348	I/E CONVERTOR	N-001
1JS1FFY 0348-1	SG. ROOT CONVERTOR	N-001
1JS1FFY 0391	I/E CONVERTOR	N-001
1JS1FFY 0391-1	SG. ROOT CONVERTOR	N-001
1JS1BHS 0002	HPSI PP B	J-200
1JS1BHS 0004	LPSI PP B	J-200
1JS1BHS 0006	CONT SPRAY PP B	J-200
1JS1BHS 0018A	SI TK VENT VLV B PWR DISC	J-200
1JS1BHS 0018B	SI TK VENT VLV B PWR DISC--RS	N-001
1JS1BHS 0061	SI SPRAY CHEM ADDITION PP B	J-200
1JS1BHS 0307	LPSI PP B FOR DSCH	J-200
1JS1BHS 0322	HOT LEG INJ CHK VLV LEAK ISOL	J-200
1JS1BHS 0332	HOT LEG INJ CHK VLV LEAK ISOL	J-200
1JS1BHS 0602	SPRAY CHEM PP B	J-200
1JS1BHS 0609	HPSI PP B LONG TERM CLG	J-200
1JS1BHS 0611	SI TK 1 FILL/DRN	J-200
1JS1BHS 0612	N2 SUPPLY SI TK 1	J-200
1JS1BHS 0613A	SI TK 1 VENT--CR	J-200
1JS1BHS 0613B	SI TK 1 VENT--RS	N-001
1JS1BHS 0614	SI TK 1 ISOL	J-200
1JS1BHS 0615	LPSI FLOW CONTROL TO RC 2A	J-200
1JS1BHS 0616	HPSI 2 FLOW CONTROL TO RC 2A	J-200
1JS1BHS 0618	SI TK 1 CHECK VLV LEAK LN ISOL	J-200
1JS1BHS 0621	SI TK 2 FILL/DRN	J-200
1JS1BHS 0622	N2 SUPPLY SI TK 2	J-200
1JS1BHS 0623A	SI TK 2 VENT--CR	J-200
1JS1BHS 0623B	SI TK 2 VENT--RS	N-001
1JS1BHS 0624	SI TK 2 ISOL	J-200
1JS1BHS 0625	LPSI FLOW CONTROL TO RC 2B	J-200
1JS1BHS 0626	HPSI 2 FLOW CONTROL TO RC 2B	J-200
1JS1BHS 0628	SI TK 2 CHECK VLV LEAK LN ISOL	J-200
1JS1BHS 0631	SI TK 3 FILL/DRN	J-200
1JS1BHS 0632	N2 SUPPLY SI TK 3	J-200
1JS1BHS 0633A	SI TK 3 VENT--CR	J-200
1JS1BHS 0633B	SI TK 3 VENT--RS	N-001
1JS1BHS 0636	HPSI 3 FLOW CONTROL TO RC 1A	J-200
1JS1BHS 0638	SI TK 3 CHECK VLV LEAK LN ISOL	J-200
1JS1BHS 0641	SI TK 4 FILL/DRN	J-200
1JS1BHS 0642	N2 SUPPLY SI TK 4	J-200
1JS1BHS 0643A	SI TK 4 VENT--CR	J-200
1JS1BHS 0643B	SI TK 4 VENT--RS	N-001
1JS1BHS 0646	HPSI 2 FLOW CONTROL TO RC 1B	J-200
1JS1BHS 0648	SI TK 4 CHECK VLV LEAK LN ISOL	J-200



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1JSIBHS 0652	S/D CLG ISOL LOOP 2	J-200
1JSIBHS 0656	S/D CLG CONT ISOL LOOP 2	J-200
1JSIBHS 0658	S/D CLG TEMP CONTROL TRAIN B	J-200
1JSIBHS 0659	TRAIN B RECIRC TO RWT	J-200
1JSIBHS 0659-1	TRAIN B RECIRC TO RWT--RS	N-001
1JSIBHS 0660-1	TRAIN A RECIRC TO RWT--RS	N-001
1JSIBHS 0665	CS PMP B TO RWT ISOL	J-200
1JSIBHS 0667	HPSI PMP B TO RWT ISOL	J-200
1JSIBHS 0668	LPSI PMP B TO RWT ISOL	J-200
1JSIBHS 0671	CONT SPRAY CONTROL TRAIN B	J-200
1JSIBHS 0675	CONT SUMP ISOL TRAIN B	J-200
1JSIBHS 0676	CONT SUMP ISOL TRAIN B	J-200
1JSIBHS 0679	S/D CLG HE ISOL TRAIN B	J-200
1JSIBHS 0680	SPRAY CHEM PP B DSCH TO CS PP	J-200
1JSIBHS 0689	S/D CLG HE ISOL TRAIN B	J-200
1JSIBHS 0690	S/D CLG LOOP B WARMUP BYPASS	J-200
1JSIBHS 0692	LPSI PP B ISOL	J-200
1JSIBHS 0693	S/D CLG HE B BYPASS	J-200
1JSIBHS 0694	LPSI-CONT SPRAY PP CROSS B	J-200
1JSIBHS 0695	CONT SPRAY ISOL TRAIN B	J-200
1JSIBHS 0696	CONT SPRAY B CROSS CONNECT	J-200
1JSIBHS 0699	HPSI PP B DSCH	J-200
1JSIBHS 0710	HPSI PP B RECIRC FOR PASS	J-200
1JSIBHV 0307	LPSI PP B HDR DSCH	N-001
1JSIBHV 0609	HPSI PP B LONG TERM CLG	N-001
1JSIBHV 0612	N2 SUPPLY SI TK 1	N-001
1JSIBHV 0613	SI TK 1 VENT	N-001
1JSIBHV 0622	N2 SUPPLY SI TK 2	N-001
1JSIBHV 0623	SI TK 2 VENT	N-001
1JSIBHV 0632	N2 SUPPLY SI TK 3	N-001
1JSIBHV 0633	SI TK 3 VENT	N-001
1JSIBHV 0642	N2 SUPPLY SI TK 4	N-001
1JSIBHV 0643	SI TK 4 VENT	N-001
1JSIBHV 0658	S/D CLG TEMP CONTROL TRAIN B	N-001
1JSIBHV 0679	S/D CLG HE ISOL TRAIN B	N-001
1JSIBHV 0689	S/D CLG HE ISOL TRAIN B	N-001
1JSIBHV 0690	S/D CLG LOOP B WARMUP BYPASS	N-001
1JSIBHV 0692	LPSI PP B ISOL	N-001
1JSIBHV 0693	S/D CLG HE B BYPASS	N-001
1JSIBHV 0694	LPSI-CONT SPRAY PP CROSS B	N-001
1JSIBHV 0695	CONT SPRAY ISOL TRAIN B	N-001
1JSIBHV 0696	CONT SPRAY B CROSS CONNECT	N-001
1JSIBHV 0699	HPSI PP B DSCH	N-001
1JSIBHV 0710	HPSI PP B RECIRC FOR PASS	J-603
1JSIBHY 0612	N2 SUPPLY SI TK 1	N-001
1JSIBHY 0622	N2 SUPPLY SI TK 2	N-001
1JSIBHY 0632	N2 SUPPLY SI TK 3	N-001
1JSIBHY 0642	N2 SUPPLY SI TK 4	N-001
1JSIBLE 0707A	CONTAINMENT WATER LEVEL	J-475
1JSIBLE 0707B	CONTAINMENT WATER LEVEL	J-475
1JSIBLI 0311	SI TKS 1/2	N-001
1JSIBLI 0344	VOIDED	N-001
1JSIBLI 0348	SPRAY CHEM STORAGE TANK	N-001
1JSIBLSL 0348	SPRAY CHEM STORAGE TANK	N-001

	TAG NUMBER	DESCRIPTION	RECENTEL SPEC/PU
1	1JSIBLSLL0344	SPRAY CHEM STORAGE TANK	R-001
5	1JSIBLT 0311	SI TK 1	R-001
6	1JSIBLT 0321	SI TK 2	R-001
7	1JSIBLT 0344	SPRAY CHEM STORAGE TANK	R-001
8	1JSIBLT 0348	SPRAY CHEM STORAGE TANK	R-001
9	1JSIBLT 0705	CONTINUT SPRAY SYS B HDR WTR LVL	J-311
10	1JSIBLT 0707	CONTAINMENT WATER LEVEL	J-475
11	1JSIBLY 0311	I/E CONVERTOR	R-001
12	1JSIBLY 0321	I/E CONVERTOR	R-001
13	1JSIBLY 0344	I/E CONVERTOR	R-001
14	1JSIBLY 0348	I/E CONVERTOR	R-001
15	1JSIBF1 0311	SI TKS 1/2	R-001
16	1JSIBP1 0311-1	SI TK 1--RS	R-001
17	1JSIBP1 0313	SI TKS 1/2	R-001
18	1JSIBP1 0321-1	SI TK 2--RS	R-001
19	1JSIBPSH0323	SI TK 2	R-001
20	1JSIBPSL 0313-1	SI TK 1--1E ALARM	R-001
21	1JSIBPSL 0323-1	SI TK 2--1E ALARM	R-001
22	1JSIBPSLL0313	SI TK 1	R-001
23	1JSIBPSLL0323	SI TK 2	R-001
24	1JSIBPSV 0140	CONTINUT RECIRC SUMP B RELIEF	R-001
25	1JSIBPSV 0141	FUEL POOL CLG B RELIEF TO EDI	R-001
26	1JSIBPSV 0160	SPRAY CHEM PP B SUCTION	R-001
27	1JSIBPSV 0166	HPSI PP B LONG TERM CLG	R-001
28	1JSIBPSV 0169	S/D CLG TRAIN B	R-001
29	1JSIBPSV 0187	SPRAY CHEM PP B RELIEF	R-001
30	1JSIBPSV 0189	S/D CLG TRAIN B RETURN RELIEF	R-001
31	1JSIBPSV 0191	S/D CLG HE OUT TRAIN B TO EDI	R-001
32	1JSIBPSV 0192	LPSI B TO FUEL POOL CLG RELIEF	R-001
33	1JSIBPSV 0193	LPSI B TO FUEL POOL CLG RELIEF	R-001
34	1JSIBPSV 0286	TRAIN B RECIRC THERMAL RELIEF	R-001
35	1JSIBPSV 0287	S/D CLG THERMAL RELIEF TRAIN B	R-001
36	1JSIBPSV 0409	HPSI B THERMAL RELIEF TO EDI	R-001
37	1JSIBPSV 0449	LPSI B THERMAL RELIEF TO EDI	R-001
38	1JSIBPT 0311	SI TK 1	R-001
39	1JSIBPT 0313	SI TK 1	R-001
40	1JSIBPT 0321	SI TK 2	R-001
41	1JSIBPT 0323	SI TK 2	R-001
42	1JSIBPY 0311	I/E CONVERTOR	R-001
43	1JSIBPY 0313	I/E CONVERTOR	R-001
44	1JSIBPY 0321	I/E CONVERTOR	R-001
45	1JSIBPY 0323	I/E CONVERTOR	R-001
46	1JSIBTE 0303Y	S/D CLG HE OUT TRAIN B	R-001
47	1JSIBTE 0352X	S/D CLG TRAIN B	R-001
48	1JSIBTE 0352Y	S/D CLG TRAIN B	R-001
49	1JSIBTE 0713	CONTINUT RECIRC SUMP TRAIN B	J-556
50	1JSIBTI 0303Y	S/D CLG HE OUT TRAIN B	R-001
51	1JSIBTI 0352X	S/D CLG TRAIN B--RS	R-001
52	1JSIBTI 0352Y	S/D CLG TRAIN B--RS	R-001
53	1JSIBIR 0352	S/D CLG TRAIN B	R-001
54	1JSIBTI 0303Y	R/E CONVERTOR	R-001
55	1JSIBTI 0352A	R/E CONVERTOR	R-001
56	1JSIBTI 0352Y	R/E CONVERTOR	R-001
57	1JSIBTE 0303Y	S/D CLG HE OUT TRAIN B	R-001



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PU
1JS181X 0352X	S/D CLG TRAIN B	N-001
1JS181X 0352Y	S/D CLG TRAIN B	N-001
1JS181X 0713	CONT RECIRC SUMP TRAIN B	J-550
1JS180V 0322	HOT LEG INJ CHK VLV LEAK ISOL	N-001
1JS180V 0332	HOT LEG INJ CHK VLV LEAK ISOL	N-001
1JS180V 0602	SPRAY CHEM PP B SUCTION	N-001
1JS180V 0611	SI TK 1 FILL/DRN	N-001
1JS180V 0614	SI TK 1 ISOL	N-001
1JS180V 0615	LPSI FLOW CONTROL TO RC 2A	N-001
1JS180V 0616	HPSI 2 FLOW CONTROL TO RC 2A	N-001
1JS180V 0618	SI TK 1 CHECK VLV LEAK LN ISOL	N-001
1JS180V 0621	SI TK 2 FILL/DRN	N-001
1JS180V 0624	SI TK 2 ISOL	N-001
1JS180V 0625	LPSI FLOW CONTROL TO RC 2B	N-001
1JS180V 0626	HPSI 2 FLOW CONTROL TO RC 2B	N-001
1JS180V 0628	SI TK 2 CHECK VLV LEAK LN ISOL	N-001
1JS180V 0631	SI TK 3 FILL/DRN	N-001
1JS180V 0636	HPSI B FLOW CONTROL TO RC 1A	N-001
1JS180V 0638	SI TK 3 CHECK VLV LEAK LN ISOL	N-001
1JS180V 0641	SI TK 4 FILL/DRN	N-001
1JS180V 0646	HPSI 2 FLOW CONTROL TO RC 1B	N-001
1JS180V 0648	SI TK 4 CHECK VLV LEAK LN ISOL	N-001
1JS180V 0652	S/D CLG ISOL LOOP 2	N-001
1JS180V 0656	S/D CLG CONT ISOL LOOP 2	N-001
1JS180V 0659	TRAIN B RECIRC TO RAT	N-001
1JS180V 0665	CS PHP B TO RWT ISOL	N-001
1JS180V 0667	HPSI PHP B TO RWT ISOL	N-001
1JS180V 0668	LPSI PHP B TO RWT ISOL	N-001
1JS180V 0671	CONT SPRAY CONTROL TRAIN B	N-001
1JS180V 0675	CONT SUMP ISOL TRAIN B	N-001
1JS180V 0676	CONT SUMP ISOL TRAIN B	N-001
1JS180V 0680	SPRAY CHEM PP B DSCH TO CS PP	N-001
1JS180Y 0322	HOT LEG INJ CHK VLV LEAK ISOL	N-001
1JS180Y 0332	HOT LEG INJ CHK VLV LEAK ISOL	N-001
1JS180Y 0611	SI TK 1 FILL/DRN	N-001
1JS180Y 0618	SI TK 1 CHECK VLV LEAK LN ISOL	N-001
1JS180Y 0621	SI TK 2 FILL/DRN	N-001
1JS180Y 0628	SI TK 2 CHECK VLV LEAK LN ISOL	N-001
1JS180Y 0631	SI TK 3 FILL/DRN	N-001
1JS180Y 0638	SI TK 3 CHECK VLV LEAK LN ISOL	N-001
1JS180Y 0641	SI TK 4 FILL/DRN	N-001
1JS180Y 0648	SI TK 4 CHECK VLV LEAK LN ISOL	N-001
1JS18XCV 0347	EXC FLOW CHK VLV FOR PI-347	J-705
1JS18Z1 0307	LPSI PP B FOR DSCH	J-200
1JS18Z1 0609	HPSI PP B LONG TERM CLG	J-200
1JS18Z1 0614	SI TK 1 ISOL	J-200
1JS18Z1 0615	LPSI FLOW CONTROL TO RC 2A	J-200
1JS18Z1 0616	HPSI 2 FLOW CONTROL TO RC 2A	J-200
1JS18Z1 0624	SI TK 2 ISOL	J-200
1JS18Z1 0625	LPSI FLOW CONTROL TO RC 2B	J-200
1JS18Z1 0626	HPSI 2 FLOW CONTROL TO RC 2B	J-200
1JS18Z1 0636	HPSI B FLOW CONTROL TO RC 1A	J-200
1JS18Z1 0646	HPSI 2 FLOW CONTROL TO RC 1B	J-200
1JS18Z1 0652	S/D CLG ISOL LOOP 2	J-200

TAG NUMBER	DESCRIPTION	ECCHEL SPEC/PO
1JSIRZI 0658	S/D CLG TEMP CONTROL TRAIN B	J-200
1JSIRZI 0671	CONT SPRAY CONTROL TRAIN B	J-200
1JSIRZI 0679	S/D CLG HE ISOL TRAIN B	J-200
1JSIRZI 0607	LPSI PP B HDR DSCH	N-001
1JSIRZI 0609	HPSI PP B LONG TERM CLG	N-001
1JSIRZI 0614	SI TK 1 ISOL	N-001
1JSIRZI 0615	LPSI FLOW CONTROL TO RC 2A	N-001
1JSIRZI 0616	HPSI 2 FLOW CONTROL TO RC 2A	N-001
1JSIRZI 0624	SI TK 2 ISOL	N-001
1JSIRZI 0625	LPSI FLOW CONTROL TO RC 2B	N-001
1JSIRZI 0626	HPSI 2 FLOW CONTROL TO RC 2B	N-001
1JSIRZI 0636	HPSI 6 FLOW CONTROL TO RC 1A	N-001
1JSIRZI 0646	HPSI 2 FLOW CONTROL TO RC 1B	N-001
1JSIRZI 0652	S/D CLG ISOL LOOP 2	N-001
1JSIRZI 0658	S/D CLG TEMP CONTROL TRAIN B	N-001
1JSIRZI 0671	CONT SPRAY CONTROL TRAIN B	N-001
1JSIRZI 0679	S/D CLG HE ISOL TRAIN B	N-001
1JSICHS 0321	HPSI PP A LONG TERM CLG	J-200
1JSICHS 0653	S/D CLG ISOL LOOP 1	J-200
1JSICHV 0321	HPSI PP A LONG TERM CLG	N-001
1JSICUV 0653	S/D CLG ISOL LOOP 1	N-001
1JSICZI 0321	HPSI PP A LONG TERM CLG	J-200
1JSICZI 0653	S/D CLG ISOL LOOP 1	J-200
1JSICZI 0321	HPSI PP A LONG TERM CLG	N-001
1JSICZI 0653	S/D CLG ISOL LOOP 1	N-001
1JSIOHS 0331	HPSI PP B LONG TERM CLG	J-200
1JSIHS 0654	S/D CLG ISOL LOOP 2	J-200
1JSIOHV 0331	HPSI PP B LONG TERM CLG	N-001
1JSIOUV 0654	S/D CLG ISOL LOOP 2	N-001
1JSIOZI 0331	HPSI PP B LONG TERM CLG	J-200
1JSIOZI 0654	S/D CLG ISOL LOOP 2	J-200
1JSIOZI 0331	HPSI PP B LONG TERM CLG	N-001
1JSIOZI 0654	S/D CLG ISOL LOOP 2	N-001
1JSIEFC 0027	SI LOOP 2A RELIEF	J-425
1JSIEFC 0028	SI LOOP 2B RELIEF	J-425
1JSIEFC 0029	SI LOOP 1A RELIEF	J-425
1JSIEFC 0030	SI LOOP 1B RELIEF	J-425
1JSIEFC 0087	SI DRAIN TO RDT	J-425
1JSIEFC 0090	S/D COOLING LINE NO 1	J-425
1JSIEFC 0091	S/D COOLING LINE NO 2	J-425
1JSIEFC 0706	RESTRICTION ORIFICE FOR PT-319	J-425
1JSIEFC 0707	RESTRICTION ORIFICE FOR PT-329	J-425
1JSIEFC 0708	RESTRICTION ORIFICE FOR PT-339	J-425
1JSIEFC 0709	RESTRICTION ORIFICE FOR PT-349	J-425
1JSIEFC 0710	RESTRICTION ORIFICE FOR PT-390	J-425
1JSIEFC 0711	RESTRICTION ORIFICE FOR PT-391	J-425
1JSIEHV 0661	SI DRAIN TO RDT	N-001
1JSIEPSV 0100	SPRAY CHEM STOR TK	N-001
1JSIEPSV 0116	SPRAY CHEM STOR TK	N-001
1JSIEPSV 0211	SI TK 1	N-001
1JSIEPSV 0221	SI TK 2	N-001
1JSIEPSV 0231	SI TK 3	N-001
1JSIEPSV 0241	SI TK 4	N-001
1JSIEPSV 0250	SPRAY CHEM STORAGE TANK	N-001

TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PO
1JSIEPSV 0288	SI DRN HOR RELIEF TO EDI	R-001
1JSIEPSV 0407	SI DRN RELIEF TO EDI	R-001
1JSIEPSV 0473	SI DRN VENT TO RDT	R-001
1JSIEPSV 0474	SI DRN RELIEF TO RDT	R-001
1JSIEXCV 0066	EXC FLOW CRK VLV FOR PI-66	J-705



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TAG NUMBER	DESCRIPTION	QECHEL SPEC/PU
17SPAF01	SPRAY POND A CLG NOZZLES	13MM185
17SPAF02	SPRAY POND A JUNCTION BXS	13MM185
17SPAF01	ESPS PUMP & DRIVE	13MM095
17SPBF01	SPRAY POND B CLG NOZZLES	13MM185
17SPBF02	SPRAY POND B JUNCTION BXS	13MM185
17SPBF01	ESPS PUMP & DRIVE	13MM095

TAG NUMBER

BECHTEL
SPEC/PO

1PSPAV028	13PM221C
1PSPAV034	13PM221C
1PSPAV035	13PM221C
1PSPAV036	13PM221C
1PSPAV037	13PM231
1PSPAV039	13PM221C
1PSPAV040	13PM221A
1PSPAV041	13PM221B
1PSPAV043	13PM221C
1PSPAV044	13PM221C
1PSPAV045	13PM221C
1PSPAV082	13PM221C
1PSPAV083	13PM221C
1PSPAV084	13PM221C
1PSPAV085	13PM221C
1PSPAV086	13PM221C
1PSPAV087	13PM221C
1PSPAV088	13PM221C
1PSPAV096	13PM231
1PSPAV097	13PM221C
1PSPAV098	13PM221C
1PSPAV109	13PM221C
1PSPAV111	13PM221C
1PSPAV112	13PM221C
1PSPAV115	13PM221C
1PSPAV116	13PM221C
1PSPAV128	13PM221C
1PSPAV129	13PM221C
1PSPBV011	13PM221C
1PSPBV012	13PM221B
1PSPBV014	13PM221C
1PSPBV015	13PM221C
1PSPBV016	13PM221C
1PSPBV017	13PM221C
1PSPBV020	13PM221C
1PSPBV022	13PM221C
1PSPBV024	13PM231
1PSPBV025	13PM221C
1PSPBV026	13PM221C
1PSPBV079	13PM221C
1PSPBV089	13PM221C
1PSPBV090	13PM221C
1PSPBV091	13PM221C
1PSPBV092	13PM221C
1PSPBV093	13PM221C
1PSPBV094	13PM221C
1PSPBV095	13PM231
1PSPBV099	13PM221C
1PSPBV100	13PM221C
1PSPBV113	13PM221C
1PSPBV114	13PM221C
1PSPBV117	13PM221C
1PSPBV118	13PM221C
1PSPBV129	13PM221C



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	TAG NUMBER	DESCRIPTION	ECOTEL SPEC/PO
1	1JSPAFO 0059	ESP A SPRAY BY-PASS	J-425
2	1JSPAHCV 0045	ECW HX A I/L	J-605
3	1JSPAHCV 0047	ECW HX A OUT	J-605
4	1JSPAHCV 0125	OG A JKT WTR CLR I/L	J-605
5	1JSPAHCV 0127	OG A JKT WTR CLR OUT	J-605
6	1JSPAHCV 0129	OG A AIR AFT CLRS I/L	J-605
7	1JSPAHCV 0131	OG A AIR AFT CLRS OUT	J-605
8	1JSPAHCV 0133	OG A LUBE OIL CLR I/L	J-605
9	1JSPAHCV 0135	OG A LUBE OIL CLR OUT	J-605
10	1JSPAHS 0001	ESP PP A	J-200
11	1JSPAHS 0049	ESP A I/L SPRAY OR BY-PASS	J-200
12	1JSPAHV 0049A	ESP A I/L	J-605
13	1JSPAHV 0049B	ESP A I/L SPRAY BY-PASS	J-605
14	1JSPAPSV 0029	ECW HX A	J-671
15	1JSPAPSV 0137	OG A FUEL OIL CLR OUT	J-691
16	1JSPAPSV 0139	OG A JKT WTR CLR OUT	J-691
17	1JSPAPSV 0141	OG A AIR AFT CLR OUT	J-691
18	1JSPAPSV 0143	OG A LUBE OIL CLR OUT	J-691
19	1JSPATW 0023	ECW HX A I/L	J-556
20	1JSPATW 0035	ECW HX A OUT	J-556
21	1JSPATW 0037	ECW HX A OUT	J-556
22	1JSPATW 0145	OG A COOLING WATER I/L TEMP	J-556
23	1JSPATW 0147	OG A FUEL OIL CLR OUT	J-556
24	1JSPATW 0149	OG A JKT WTR CLR OUTLET	J-018
25	1JSPATW 0151	OG A AIR AFTER CLR OUTLET	J-018
26	1JSPATW 0153	OG A LUBE OIL COOLER OUTLET	J-018
27	1JSPAXCV 0025	EXCESS FL CHK VLV FOR PI 25	J-705
28	1JSPAXCV 0026	EXCESS FL CHK VLV FOR PI 26	J-705
29	1JSPAXCV 0031	EXCESS FL CHK VLV FOR PI 31	J-705
30	1JSPAXCV 0032	EXCESS FL CHK VLV FOR PI 32	J-705
31	1JSPAXCV 0057	EXCESS FL CHK VLV FOR PI 57	J-705
32	1JSPAXCV 0201	EXCESS FL CHK VLV FOR PI 201	J-705
33	1JSPAXCV 0203	EXCESS FL CHK VLV FOR PI 203	J-705
34	1JSPAXCV 0205	EXCESS FL CHK VLV FOR PI 205	J-705
35	1JSPBFE 0007	ESP TRAIN A I/L FLOW	J-444
36	1JSPBFE 0008	ESP TRAIN B I/L FLOW	J-444
37	1JSPBFO 0060	ESP B SPRAY BY-PASS	J-425
38	1JSPBHCV 0046	ECW HX B I/L	J-605
39	1JSPBHCV 0048	ECW HX B OUT	J-605
40	1JSPBHCV 0126	OG B LUBE OIL CLR I/L	J-605
41	1JSPBHCV 0128	OG B LUBE OIL CLR OUT	J-605
42	1JSPBHCV 0130	OG B AIR AFT CLRS I/L	J-605
43	1JSPBHCV 0132	OG B AIR AFT CLRS OUT	J-605
44	1JSPBHCV 0134	OG B JKT WTR CLR I/L	J-605
45	1JSPBHCV 0136	OG B JKT WTR CLR OUT	J-605
46	1JSPBHS 0002	ESP PP B	J-200
47	1JSPBHS 0050	ESP B I/L SPRAY OR BY-PASS	J-200
48	1JSPBHV 0050A	ESP B I/L	J-605
49	1JSPBHV 0050B	ESP B I/L SPRAY BY-PASS	J-605
50	1JSPBPSV 0030	ECW HX B	J-671
51	1JSPBPSV 0138	OG B LUBE OIL CLR OUT	J-691
52	1JSPBPSV 0140	OG B AIR AFT CLR OUT	J-691
53	1JSPBPSV 0142	OG B JKT WTR CLR OUT	J-691
54	1JSPBPSV 0144	OG B FUEL OIL CLR OUT	J-691

TAG NUMBER	DESCRIPTION	REF/TEL SPEC/PG
1JSPBIA 0024	ECW EX B I/L	J-556
1JSPBIA 0036	ECW EX B OUT	J-556
1JSPBIA 0038	ECW EX B OUT	J-556
1JSPBIA 0146	OG B COOLING WATER I/L TEMP	J-556
1JSPBIA 0148	OG B FUEL OIL CLR OUT	J-556
1JSPBIA 0150	OG B JKT WTR CLR OUTLET	M-018
1JSPBIA 0152	OG B AIR AFTER CLR OUTLET	M-018
1JSPBIA 0154	OG B LUBE OIL COOLER OUTLET	M-018
1JSPBIA 0058	EXCESS FL CHK VLV FOR PI 58	J-705
1JSPBIA 0202	EXCESS FL CHK VLV FOR PI 202	J-705
1JSPBIA 0204	EXCESS FL CHK VLV FOR PI 204	J-705
1JSPBIA 0206	EXCESS FL CHK VLV FOR PI 206	J-705
1JSPBIA 0207	ESP WATER TRANSFER	J-605
1JSPBIA 0208	ESP WATER TRANSFER	J-605
1JSPBIA 0005	ESP PP A DISCH FLOW	J-449
1JSPBIA 0006	ESP PP B DISCH FLOW	J-449
1JSPBIA 0189	OG A JKT WTR CLR OUTLET	M-018
1JSPBIA 0190	OG B JKT WTR CLR OUTLET	M-018
1JSPBIA 0191	OG A AIR AFTER CLR OUTLET	M-018
1JSPBIA 0192	OG B AIR AFTER CLR OUTLET	M-018
1JSPBIA 0193	OG A LUBE OIL COOLER OUTLET	M-018
1JSPBIA 0194	OG B LUBE OIL COOLER OUTLET	M-018
1JSPBIA 0195	OG A JKT WTR CLR OUTLET	M-018
1JSPBIA 0196	OG B JKT WTR CLR OUTLET	M-018
1JSPBIA 0197	OG A AIR AFTER CLR OUTLET	M-018
1JSPBIA 0198	OG B AIR AFTER CLR OUTLET	M-018
1JSPBIA 0199	OG A LUBE OIL COOLER OUTLET	M-018
1JSPBIA 0200	OG B LUBE OIL COOLER OUTLET	M-018

TAG NUMBER	DESCRIPTION	ELCHTEL SPEC/PU
1JSOAC01	SRMS COVER RM CABINET-TRAIN A	13NM997
1JSOAC01	SRMS COVER RM CABINET-TRAIN B	13NM997
1JSOAC02	SRMS RADIATION MONITORING CAB	13NM001



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A	TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PU
1	1JSS RIA 0152A	PERS IARM SDCX-WEST	N-997
2	1JSS RIA 0152B	PERS IARM SDCX-EAST	N-997
3	1JSS RIA 0152C	PERS IARM STAIRWAY-SOUTH	N-997
4	1JSS RIA 0152D	PERS IARM STAIRWAY-NORTH	N-997
5	1JSQARE 0033	SG RFLG BACH AREA DETCTR-ANNUN	N-997
6	1JSQARE 0148	IN CONTMT AREA MON CH-A	N-997
7	1JSQARE 0150	PRIMARY COOLANT MON CH-A	N-997
8	1JSQAFI 0029	HJ CONTROL ROOM VENT A	N-997
9	1JSQARI 0031	HF FUEL POOL AREA	N-997
10	1JSQARI 0033	CP REFUELING MACHINE AREA	N-997
11	1JSQARA 0029	MULTIPOINT RECORDER	N-997
12	1JSQARSH 0029	HJ CONTROL ROOM VENT A	N-997
13	1JSQARSH 0031	HF FUEL POOL AREA	N-997
14	1JSQARSH 0037	CP PRE-ACCESS PURGE AREA A	N-997
15	1JSQAPD 0029	HJ CONTROL ROOM VENT A	N-997
16	1JSQARU 0031	HF FUEL POOL AREA	N-997
17	1JSQARU 0033	CP REFUELING MACHINE AREA	N-997
18	1JSQARU 0037	CP PRE-ACCESS PURGE AREA A	N-997
19	1JSQARU 0148	IN CONTMT AREA MON CH-A	N-997
20	1JSQARU 0150	PRIMARY COOLANT MON CH-A	N-997
21	1JSQARY 0029A	D/A CONVERTOR	N-997
22	1JSQARY 0029B	ISOLATION/INTERFACE DEVICE	N-997
23	1JSQARY 0031A	D/A CONVERTOR	N-997
24	1JSQARY 0031B	ISOLATION/INTERFACE DEVICE	N-997
25	1JSQARY 0033A	D/A CONVERTOR	N-997
26	1JSQARY 0033B	ISOLATION/INTERFACE DEVICE	N-997
27	1JSQARY 0037A	D/A CONVERTOR	N-997
28	1JSQARY 0037B	ISOLATION/INTERFACE DEVICE	N-997
29	1JSQFRE 0145	FUEL BLDG E VENT EXH MON LOW	N-997
30	1JSQFRE 0146	FUEL BLDG VNT EXH MON HI CH-B	N-997
31	1JSQFRE 0149	CONTMT HI RANGE MON CH-B	N-997
32	1JSQFRE 0151	PRIMARY COOLANT MON CH-B	N-997
33	1JSQFRI 0001	HC CONTMT ATMUS	N-997
34	1JSQFKI 0030	HJ CONTROL ROOM VENT B	N-997
35	1JSQFKI 0032	HF FUEL BLDG EXHAUST	N-997
36	1JSQFKI 0034	CP CONTMT PURGE	N-997
37	1JSQFRSH 0030	HJ CONTROL ROOM VENT B	N-997
38	1JSQFRSH 0032	HF FUEL BLDG EXHAUST	N-997
39	1JSQFRSH 0036	CP PRE-ACCESS PURGE AREA B	N-997
40	1JSQFRU 0001	HC CONTMT ATMUS	N-997
41	1JSQFRU 0030	HJ CONTROL ROOM VENT B	N-997
42	1JSQFRU 0032	SPARE	N-997
43	1JSQFRU 0034	CP CONTMT PURGE	N-997
44	1JSQFRU 0038	CP PRE-ACCESS PURGE AREA B	N-997
45	1JSQFRU 0145	FUEL BLDG E VENT EXH MON LOW	N-997
46	1JSQFRU 0146	FUEL BLDG VNT EXH MON HI CH-B	N-997
47	1JSQFRU 0149	CONTMT HI RANGE MON CH-B	N-997
48	1JSQFRU 0151	PRIMARY COOLANT MON CH-B	N-997
49	1JSQERY 0030A	D/A CONVERTOR	N-997
50	1JSQERY 0030B	ISOLATION/INTERFACE DEVICE	N-997
51	1JSQERY 0032A	D/A CONVERTOR	N-997
52	1JSQERY 0032B	ISOLATION/INTERFACE DEVICE	N-997
53	1JSQERY 0034A	D/A CONVERTOR	N-997
54	1JSQERY 0034B	ISOLATION/INTERFACE DEVICE	N-997

TAG NUMBER	DESCRIPTION	ELECTRICAL SPEC/PU
1JSQDRY 0038A	D/A CONVERTER	N-997
1JSQDRY 0038B	ISOLATION/INTERFACE DEVICE	N-997
1JSQDRY 0139A	MAIN STM LINE EFFLUENT	N-997
1JSQDRY 0139B	MAIN STM LINE EFFLUENT	N-997
1JSQDRY 0140A	MAIN STM LINE EFFLUENT	N-997
1JSQDRY 0140B	MAIN STM LINE EFFLUENT	N-997
1JSQDRY 0141	CONDENSOR VAC PP/GLND SEAL EXH	N-997
1JSQDRY 0142	CONDENSOR VAC PP/GLND SEAL EXH	N-997
1JSQDRY 0143	PLANT VENT MON LOW	N-997
1JSQDRY 0144	PLANT VENT MON HI	N-997
1JSQDRY 0152A	PERSONNEL IARM SOCHX=WEST	N-997
1JSQDRY 0152B	PERSONNEL IARM ECA=EAST	N-997
1JSQDRY 0152C	PERSONNEL IARM STAIRWAY-SOUTH	N-997
1JSQDRY 0152D	PERSONNEL IARM-STAIRWAY-NORTH	N-997
1JSQDRY 0152A	PERSONNEL IARM-ECHHX=WEST	N-997
1JSQDRY 0153B	PERSONNEL IARM H2 RECOM CHG FF	N-997
1JSQDRY 0153C	PERSONNEL IARM H2 RECOM MCC	N-997
1JSQDRY 0154A	PERS IARM BERIC ACID WEST PIPE	N-997
1JSQDRY 0154B	PERS IARM FG SETS LOAD ENTER E	N-997
1JSQDRY 0154C	PERS IARM CTRL RM MON	N-997
1JSQDRY 0155A	PENET IARM A-SIDE	N-997
1JSQDRY 0155B	PENET IARM A-SIDE	N-997
1JSQDRY 0155C	PENET IARM WEST PIPING PENET	N-997
1JSQDRY 0156A	PENET IARM EAST PIPING PENET	N-997
1JSQDRY 0156B	PENET IARM WEST ELEC PENET	N-997
1JSQDRY 0156C	PENET IARM EAST ELEC PENET	N-997
1JSQDRY 0157A	PENET IARM A-SIDE MSSS	N-997
1JSQDRY 0157B	PENET IARM B-SIDE MSSS	N-997
1JSQDRY 0157C	PENET IARM WEST ELEC PENET	N-997
1JSQDRY 0158A	PENET IARM EAST ELEC PENET	N-997
1JSQDRY 0158B	PENET IARM WEST PENET AUX BLDG	N-997
1JSQDRY 0158C	PENET IARM EAST PENET AUX BLDG	N-997
1JSQDRY 0158D	PENET IARM HOT LAB PASS	N-997
1JSQDRY 0153A	PERS IARM ECHHX=WEST	N-997
1JSQDRY 0153B	PERS IARM H2 RECOM CHG PP-P	N-997
1JSQDRY 0153C	PERS IARM H2 RECOM MCC	N-997
1JSQDRY 0154A	PERS IARM BERIC ACID WEST PIPE	N-997
1JSQDRY 0154B	PERS IARM FG SETS LOAD ENTER E	N-997
1JSQDRY 0154C	PERS IARM CTRL RM MON	N-997
1JSQDRY 0139	MAIN STM LINE EFFLUENT	N-997
1JSQDRY 0140	MAIN STM LINE EFFLUENT	N-997
1JSQDRY 0141	CONDENSOR VAC PP/GLND SEAL EXH	N-997
1JSQDRY 0142	CONDENSOR VAC PP/GLND SEAL EXH	N-997
1JSQDRY 0143	PLANT VENT MON LOW	N-997
1JSQDRY 0144	PLANT VENT MON HI	N-997
1JSQDRY 0152	PERSONNEL IARM SOCHX=WEST	N-997
1JSQDRY 0153	PERSONNEL IARM-ECHHX=WEST	N-997
1JSQDRY 0154	PERS IARM BERIC ACID WEST PIPE	N-997
1JSQDRY 0155	PERS IARM A-SIDE	N-997
1JSQDRY 0156	PENET IARM EAST PIPING PENET	N-997
1JSQDRY 0157	PENET IARM A-SIDE MSSS PENET	N-997
1JSQDRY 0158	PENET IARM EAST ELEC PENET	N-997
1JSQDRY 0156C	PENET IARM EAST ELEC PENET	N-997



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46	TAG NUMBER	DESCRIPTION	REC'D TEL SPEC/PU
1	14SSE042	PENETRATION-SAMPLING	13-46500
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TAG NUMBER

REC-TEL
SPEC/PO

1PSSAVI30	13NM001 C
1PSSAVI61	13NM001 C
1PSSSVI27	13NM001 C
1PSSSEVI78	13NM001 C
1PSSSEV009	13PM221A
1PSSSEV010	13PM221A
1PSSSEV011	13PM221A
1PSSSEV013	13PM221A
1PSSSEV014	13PM221A
1PSSSEV016	13PM221A
1PSSSEV017	13PM221A
1PSSSEV131	13NM001 C
1PSSSEV133	13NM001 C
1PSSSEV135	13NM001 C
1PSSSEV152	13NM001 C
1PSSSEV154	13NM001 C
1PSSSEV206	13NM001
1PSSSEV207	13NM001
1PSSSEV208	13NM001
1PSSSEV800	13PM221A
1PSSSEV802	13PM221A
1PSSSEV804	13PM221A
1PSSSNV004	13PM221A
1PSSSNV005	13PM221A
1PSSSNV006	13PM221A
1PSSSNV007	13PM221A
1PSSSNV008	13PM221A
1PSSSEV170	13NM001 C
1PSSSEV171	13NM001 C
1PSSSEV172	13NM001 C

TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PO	SPLIT ANALYD
1JSSAHS 0203A	HOT LEG SAMPLE CNTMT ISOL	J-200	
1JSSAHS 0204A	PRESR SURGE SAMPLE CNTMT ISOL	J-200	
1JSSAHS 0205A	PRESR S/S SAMPLE CNTMT ISOL	J-200	
1JSSADV 0203	HOT LEG SAMPLE CNTMT ISOL	K-001	
1JSSADV 0204	PRESR SURGE SAMPLE CNTMT ISOL	K-001	
1JSSADV 0205	PRESR S/S SAMPLE CNTMT ISOL	K-001	
1JSSAHS 0200A	HOT LEG SAMPLE CNTMT ISOL	J-200	
1JSSAHS 0201A	PRESR SURGE SAMPLE CNTMT ISOL	J-200	
1JSSAHS 0202A	PRESR S/S SAMPLE CNTMT ISOL	J-200	
1JSSADV 0200	HOT LEG SAMPLE CNTMT ISOL	K-001	
1JSSADV 0201	PRESR SURGE SAMPLE CNTMT ISOL	K-001	
1JSSADV 0202	PRESR S/S SAMPLE CNTMT ISOL	K-001	
1JSSNPSV 0109	GAS SAMPLE RETURN	N-001	
1JSSNPSV 0124	PRESR S/S SAMPLE RETURN	N-001	



TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PU
1NACEU60	PENETRATION-CHILLED WIR	130M500
1NACEU61	PENETRATION-CHILLED WIR	130M500

TAG NUMBER

FECHTEL
SPEC/PO

1PWCEV039

13PW221B

1PWCEV158

13PW221A

1PWCEV161

13PW221A

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LINE	TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PG
4	1JWCATS 0061A	NORM CHW PP & CHLR-A CONT	J-200
5	1JWCATS 0062	NORM CHW RETURN CONTM IV	J-200
6	1JWCADV 0062	NORM CHW RETURN CONTM IV	P-221B
7	1JWCATS 0061	NORM CHW RETURN CONTM IV	J-200
8	1JWCATS 0063	NORM CHW SUP CONTM IV	J-200
9	1JWCADV 0061	NORM CHW RETURN CONTM IV	P-221B
10	1JWCADV 0063	NORM CHW SUP CONTM IV	P-221B
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TAG NUMBER	DESCRIPTION	ECHTEL SPEC/PU
1EZAAC01	AUX RELAY CAB CLASS 1E	13EM022 A
1EZAAC02	ISOLATION RELAY CAB CLASS 1E	13EM022
1EZAAC03	AUX RELAY CAB CLASS 1E	13EM022
1EZAAC04	AUX RELAY CAB CLASS 1E	13EM022
1EZAAC05	AUX RELAY CAB CLASS 1E	13EM022
1EZAAC06	AUXILIARY RELAY CAB CLASS 1E	13EM022
1EZAEC01	AUX RELAY CAB CLASS 1E	13EM022
1EZAEC02	ISOLATION RELAY CAB CLASS 1E	13EM022
1EZAEC03	AUX RELAY CAB CLASS 1E	13EM022
1EZAEC04	AUX RELAY CAB CLASS 1E	13EM022
1EZAEC05	AUX RELAY CAB CLASS 1E	13EM022
1EZAEC06	AUXILIARY RELAY CAB CLASS 1E	13EM022



TAG NUMBER	DESCRIPTION	BECHTEL SPEC/PO
1JZCEA01	SI TR 2A/SG 2 XMITTER RACK	13NM001
1JZCEA03	SI TR 1A/SG 1 XMITTER RACK	13NM001
1JZCEA05	XMITTER RACK-RC/CH	13NM001
1JZCNG01	TRANSFER SYSTEM CONTROL CONSOLE	13NM001
1A-ZCNG01	CONTAIN POLAR CRANE 225/35 TON	13NM063

TAG NUMBER	DESCRIPTION	RECHTEL SPEC/PO
1MZFEG01	SPENT FUEL RACKS	13M0001
1MZFEG02	NEW FUEL RACKS	13M0001
1MZFEG01	CASK HANDLING CRANE (150/15 TON)	13M0062
1MZFEG02	NEW FUEL HANDLING CRANE 10 TON	13M0062

TAG NUMBER	DESCRIPTION	EQUIP SPEC/PU
1E2JAC01	AUX RELAY CAB CLASS-1E	13EM022
1E2JAC02	ISOLATION RELAY CAB CLASS 1E	13EM022
1E2JAC03	AUX RELAY CAB CLASS-1E	13EM022
1E2JEC01	AUX RELAY CAB CLASS-1E	13EM022
1E2JEC02	ISOLATION RELAY CAB CLASS 1E	13EM022
1E2JPC03	AUX RELAY CAB CLASS-1E	13EM022
1J2JAC02A	BOP ANALOG INSTR CABINET	13JM111
1J2JAC02B	BOP ANALOG INSTR CABINET	13JM111
1J2JAE01	REMOTE SHUTDOWN PANEL	13NM001
1J2JEC02A	BOP ANALOG INSTR CABINET	13JM111
1J2JEC01	REMOTE SHUTDOWN PANEL	13NM001
1J2JEC01	REMOTE SHUTDOWN PNL	13NM001
1J2JEC01	REMOTE SHUTDOWN PNL	13NM001
1J2JEC01	REMOTE SHUTDOWN PANEL	13NM001



Q CLASS ELECTRICAL CABLING AND TERMINATING MATERIALS

<u>Description</u>	<u>Bechtel Spec.</u>	<u>Supplier</u>
5 Kv cables	EM-029	Anaconda
600 V control	EM-057	Brand Rex
600 V power	EM-058	Rockbestos
Coaxial	EM-060	Brand Rex
Thermocouple	EM-061	Anaconda
Instrumentation	EM-062	Anaconda
Terminating Materials	EM-106A	AMP
		PIDG
		Plasti-Grip
	EM-106B	Raychem

ENCLOSURE 3

EQUIPMENT AND INSTRUMENTATION TAG NUMBERING SYSTEM

The numbering system for identification of PVNGS equipment include, in order, the following identifiers:

1. Unit Designator

A - Common	2 - Unit 2
1 - Unit 1	3 - Unit 3

2. Discipline Identifiers

A--Architectural	N--Nuclear/Environmental
C--Civil/Structural	P--Plant Design
E--Electrical	S--Miscellaneous Pipe Support
J--Control Systems	W--Water Reclamation Facilities
M--Mechanical	

3. System/Facility Designator

Two-letter identifiers unique to specific plant systems or facilities. Refer to Enclosure 1.

4. Separation Group Designators

A. Safety Related, Separation Group A Mechanical Systems consisting of equipment, piping, valves, and hangers

Electrical Systems consisting of Class IE and associated power, control and instrumentation cables, raceways, equipment, vital ac instrumentation and control channels, and dc power supplies

Control Systems consisting of control loops, control valves, and instruments

B. Safety Related, Separation Group B - Same as Separation Group A

C. Safety Related, Separation Group C - Same as Separation Group A

D. Safety Related, Separation Group D - Same as Separation Group A

N. Not Safety Related

E. Safety Related, not included in a separation category

5. Commodity Designators and Sequence Numbers

Commodity designators for mechanical/nuclear, control systems and plant design equipment are listed in Table 1. Electrical equipment designators are listed in Table 2.

Instrumentation tag numbers include items 1 through 4 above followed by identifiers based on the system described in the PVNGS project P&ID Legend and Symbols Drawing 13-M-ZZP-001 and -002 (FSAR Figure 1.7-2).



TABLE 1

MECHANICAL/NUCLEAR, CONTROL SYSTEMS, AND PLANT DESIGN EQUIPMENT NUMBERS

COMMODITY	UNIT	DISCIPLINE	SYSTEM OR FACILITY	SEPARATION GROUP	COMMODITY DESIGNATOR	SEQUENCE (1)	SUBSEQUENCE (2)
<u>MECHANICAL/NUCLEAR EQUIPMENT</u>							
Air-handling (fans, blowers, unit heaters) Steam boiler Compressor Demineralizer, recombiner Heat exchanger, cooler, chiller, moisture separator, reheater, condenser, steam generator, feedwater heaters, evaporator Filter, strainer, silencer, lube-oil conditioner centrifuge Cranes, hoists Diesel generators Exhauster, eductor, ejector Turbines Screens Miscellaneous Hose houses ⁽³⁾ Pumps Agitator, blender Hose rack and hose reel stations ⁽⁴⁾ Separator, demister Tank (atmospheric) Mechanical containment penetrations Unassigned Cooling tower Vessel (pressure, including reactor) Expansion joint Air conditioning package unit	1	M or N	AB	A	A B C D E F G H J K L M P Q S T U V W X Y Z	01	A

- (1) Equipment sequence shall be two numerals, except manual valves shall be three numerals, and after 999 one letter - two numerals.
- (2) Equipment subsequence shall be one letter.
- (3) Hose houses and fire hydrants are given sequential numbers starting with FH1 with no other prefixes.
- (4) Hose racks and reels are given sequential numbers starting with HS1 identically for each Power Block, with no other prefixes.

TABLE 1 (cont'd)

MECHANICAL/NUCLEAR, CONTROL SYSTEMS, AND PLANT DESIGN EQUIPMENT NUMBERS

COMMODITY	UNIT	DISCIPLINE	SYSTEM OR FACILITY	SEPARATION GROUP	COMMODITY DESIGNATOR	(1) SEQUENCE	(2) SUBSEQUENCE
<u>CONTROL SYSTEMS EQUIPMENT</u>							
Rack Control board Cabinet Console Local panels Bridles	1	J	AB	A	A B C D E F	01	A
<u>PLANT DESIGN EQUIPMENT</u>							
Valve (manual)	1	P	AB	A	V	001	-

TABLE 2

ELECTRICAL EQUIPMENT NUMBERS

COMMODITY	UNIT	DISCIPLINE	SYSTEM	SEPARATION GROUP	COMMODITY DESIGNATOR	(1) EQUIPMENT SEQUENCE	(2) SUBSEQUENCE	CUBICLE (OPTIONAL)
Bus (iso and non-iso) and components	1	E	MA	N	A	01	A	A
Breaker (circuit breaker, starter)					B			
Relay boards or cabinets					C			
Distribution and lighting panel					D			
Exciter					E			
Batteries					F			
Generator					G			
Battery charges, rectifiers					H			
Welding receptacles					I			
Junction box					J			
Starter					K			
Load center					L			
Motor control center					M			
Inverter					N			
Not Used					O			
Local control station, local device					P			
Multiplexers					Q			
Lightning arrestors (LA)					R			
Switchgear					S			
Telephone and other communications equipment					T			
Transfer switch					U			
Voltage regulators					V			
Disconnect switches					W			
Transformer					X			
Grounding resistor					Y			
Containment penetration					Z			

(1) Equipment sequence shall be two numerals

(2) Equipment subsequence shall be one letter

