



NOTES:

1. ALL SAMPLE TUBING SHALL BE 1/2" O.D.
2. COOLING WATER FOR THE FINE COOLERS IS A CLOSED SYSTEM WITH COOLANT OVERHEAD. BECHTEL FIELD TUNING TO MATCH SUPPLIER'S R AND SIZE CONNECTIONS. SEE J-200-23(4) FOR MATERIAL DESCRIPTION.
3. REFERENCE TO J-200-23(4), 20, 23(1), 24(2).
4. UNLESS OTHERWISE INDICATED:
 - A. ALL FLOW, PRESSURE AND TEMPERATURE TRANSMITTERS PROVIDE AN ANALOG INPUT TO THE PROCESS STEAM RADIATION MONITORING SYSTEM (RMS).
 - B. ALL TEMPERATURE AND VALVE POSITION SWITCHES PROVIDE A DIGITAL INPUT TO THE RMS.
 - C. ALL SOLE VALVE VALVES ARE ACTUATED BY DIGITAL OUTPUTS FROM THE RMS.
5. REFERENCE TO J-200-23(4) FOR MATERIAL DESCRIPTION.
6. REFERENCE TO J-200-23(4) FOR MATERIAL DESCRIPTION.
7. RELIEF VALVE IS PROVIDED FOR EACH FINE COOLER AND AUXILIARY MANIFOLD (AS INSTALLED BY BECHTEL).

SHEET 1		SHEET 2		SHEET 3		SHEET 4	
BECHTEL NO.	CPCO NO.	BECHTEL NO.	CPCO NO.	BECHTEL NO.	CPCO NO.	BECHTEL NO.	CPCO NO.
001	N/A	001	OV-PSR001A	001	OV-PSR001F	001	OV-PSR001
002	N/A	002	OV-PSR001B	002	OV-PSR001G	002	OV-PSR002
003	OV-PSR001C	003	OV-PSR001D	003	OV-PSR001H	003	OV-PSR003
004	OV-PSR001E	004	OV-PSR001F	004	OV-PSR001I	004	OV-PSR004
005	OV-PSR001G	005	OV-PSR001H	005	OV-PSR001J	005	OV-PSR005
006	OV-PSR001I	006	OV-PSR001J	006	OV-PSR001K	006	OV-PSR006
007	N/A	007	OV-PSR001K	007	OV-PSR001L	007	N/A
008	OV-PSR001L	008	N/A	008	N/A	008	N/A
009	OV-PSR001M	009	N/A	009	N/A	009	N/A
010	OV-PSR001N	010	N/A	010	N/A	010	N/A
011	OV-PSR001O	011	OV-PSR001A	011	OV-PSR001F	011	OV-PSR001
012	OV-PSR001P	012	OV-PSR001B	012	OV-PSR001G	012	OV-PSR002
013	OV-PSR001Q	013	OV-PSR001C	013	OV-PSR001H	013	OV-PSR003
014	N/A	014	OV-PSR001D	014	OV-PSR001I	014	OV-PSR004
015	N/A	015	OV-PSR001E	015	OV-PSR001J	015	OV-PSR005
016	N/A	016	OV-PSR001F	016	OV-PSR001K	016	OV-PSR006
017	OV-PSR001G	017	N/A	017	N/A	017	OV-PSR001
018	OV-PSR001H	018	OV-PSR001A	018	OV-PSR001F	018	OV-PSR002
019	OV-PSR001I	019	OV-PSR001B	019	OV-PSR001G	019	OV-PSR003
020	OV-PSR001J	020	OV-PSR001C	020	OV-PSR001H	020	OV-PSR004
021	OV-PSR001K	021	OV-PSR001D	021	OV-PSR001I	021	OV-PSR005
022	OV-PSR001L	022	OV-PSR001E	022	OV-PSR001J	022	OV-PSR006
023	N/A	023	OV-PSR001F	023	OV-PSR001K	023	OV-PSR001
024	N/A	024	OV-PSR001G	024	OV-PSR001L	024	OV-PSR002
025	N/A	025	OV-PSR001H	025	OV-PSR001M	025	OV-PSR003
026	OV-PSR001I	026	OV-PSR001A	026	OV-PSR001F	026	OV-PSR004
027	OV-PSR001J	027	OV-PSR001B	027	OV-PSR001G	027	OV-PSR005
028	OV-PSR001K	028	OV-PSR001C	028	OV-PSR001H	028	OV-PSR006
029	OV-PSR001L	029	OV-PSR001D	029	N/A	029	N/A
030	OV-PSR001M	030	OV-PSR001E	030	OV-PSR001I	030	OV-PSR001
031	OV-PSR001N	031	OV-PSR001F	031	OV-PSR001J	031	OV-PSR002
032	N/A	032	OV-PSR001G	032	OV-PSR001K	032	OV-PSR003
033	N/A	033	OV-PSR001H	033	N/A	033	OV-PSR004
034	N/A	034	OV-PSR001I	034	OV-PSR001L	034	OV-PSR005
035	OV-PSR001J	035	OV-PSR001A	035	OV-PSR001F	035	OV-PSR006
036	OV-PSR001K	036	OV-PSR001B	036	OV-PSR001G	036	OV-PSR001
037	OV-PSR001L	037	OV-PSR001C	037	OV-PSR001H	037	OV-PSR002
038	OV-PSR001M	038	OV-PSR001D	038	OV-PSR001I	038	OV-PSR003
039	OV-PSR001N	039	OV-PSR001E	039	OV-PSR001J	039	OV-PSR004
040	OV-PSR001O	040	OV-PSR001F	040	N/A	040	N/A
041	OV-PSR001P	041	OV-PSR001G	041	OV-PSR001K	041	OV-PSR005
042	OV-PSR001Q	042	OV-PSR001H	042	OV-PSR001L	042	OV-PSR006
043	OV-PSR001R	043	OV-PSR001I	043	N/A	043	OV-PSR001
044	N/A	044	OV-PSR001J	044	OV-PSR001F	044	OV-PSR002
045	OV-PSR001S	045	OV-PSR001K	045	OV-PSR001G	045	OV-PSR003
046	OV-PSR001T	046	OV-PSR001L	046	OV-PSR001H	046	OV-PSR004
047	OV-PSR001U	047	OV-PSR001M	047	OV-PSR001I	047	OV-PSR005
048	OV-PSR001V	048	OV-PSR001N	048	OV-PSR001J	048	OV-PSR006
049	OV-PSR001W	049	OV-PSR001O	049	OV-PSR001K	049	OV-PSR001
050	N/A	050	OV-PSR001P	050	OV-PSR001L	050	OV-PSR002
051	OV-PSR001X	051	OV-PSR001Q	051	OV-PSR001M	051	OV-PSR003
052	OV-PSR001Y	052	OV-PSR001R	052	OV-PSR001N	052	OV-PSR004
053	OV-PSR001Z	053	OV-PSR001S	053	OV-PSR001O	053	OV-PSR005
054	N/A	054	OV-PSR001T	054	OV-PSR001P	054	OV-PSR006
055	N/A	055	OV-PSR001U	055	OV-PSR001Q	055	OV-PSR001
056	OV-PSR001V	056	OV-PSR001V	056	OV-PSR001R	056	OV-PSR002
057	OV-PSR001W	057	OV-PSR001W	057	OV-PSR001S	057	OV-PSR003
058	OV-PSR001X	058	OV-PSR001X	058	OV-PSR001T	058	OV-PSR004
059	OV-PSR001Y	059	OV-PSR001Y	059	OV-PSR001U	059	OV-PSR005
060	OV-PSR001Z	060	OV-PSR001Z	060	OV-PSR001V	060	OV-PSR006
061	N/A	061	N/A	061	N/A	061	OV-PSR001
062	N/A	062	N/A	062	N/A	062	OV-PSR002
063	N/A	063	N/A	063	N/A	063	OV-PSR003
064	N/A	064	N/A	064	N/A	064	OV-PSR004
065	OV-PSR001A	065	OV-PSR001A	065	OV-PSR001M	065	OV-PSR005
066	OV-PSR001B	066	OV-PSR001B	066	OV-PSR001N	066	OV-PSR006
067	OV-PSR001C	067	OV-PSR001C	067	OV-PSR001O	067	OV-PSR001
068	OV-PSR001D	068	OV-PSR001D	068	OV-PSR001P	068	OV-PSR002
069	OV-PSR001E	069	OV-PSR001E	069	OV-PSR001Q	069	OV-PSR003
070	OV-PSR001F	070	OV-PSR001F	070	OV-PSR001R	070	OV-PSR004
071	OV-PSR001G	071	OV-PSR001G	071	OV-PSR001S	071	OV-PSR005
072	OV-PSR001H	072	OV-PSR001H	072	OV-PSR001T	072	OV-PSR006
073	OV-PSR001I	073	OV-PSR001I	073	OV-PSR001U	073	OV-PSR001
074	OV-PSR001J	074	OV-PSR001J	074	OV-PSR001V	074	OV-PSR002
075	OV-PSR001K	075	OV-PSR001K	075	OV-PSR001W	075	OV-PSR003
076	OV-PSR001L	076	OV-PSR001L	076	OV-PSR001X	076	OV-PSR004
077	OV-PSR001M	077	OV-PSR001M	077	OV-PSR001Y	077	OV-PSR005
078	OV-PSR001N	078	OV-PSR001N	078	OV-PSR001Z	078	OV-PSR006
079	OV-PSR001O	079	OV-PSR001O	079	N/A	079	N/A
080	OV-PSR001P	080	OV-PSR001P	080	N/A	080	N/A
081	OV-PSR001Q	081	OV-PSR001Q	081	N/A	081	N/A
082	OV-PSR001R	082	OV-PSR001R	082	N/A	082	N/A
083	OV-PSR001S	083	OV-PSR001S	083	N/A	083	N/A
084	OV-PSR001T	084	OV-PSR001T	084	N/A	084	N/A
085	OV-PSR001U	085	OV-PSR001U	085	N/A	085	N/A
086	OV-PSR001V	086	OV-PSR001V	086	N/A	086	N/A
087	OV-PSR001W	087	OV-PSR001W	087	N/A	087	N/A
088	OV-PSR001X	088	OV-PSR001X	088	N/A	088	N/A
089	OV-PSR001Y	089	OV-PSR001Y	089	N/A	089	N/A
090	OV-PSR001Z	090	OV-PSR001Z	090	N/A	090	N/A

PRO APERTURE CARD

BECHTEL NO.	CPCO NO.	BECHTEL NO.	CPCO NO.
090	N/A	090	N/A
091	N/A	091	N/A
092	N/A	092	N/A
093	N/A	093	N/A
094	N/A	094	N/A
095	N/A	095	N/A
096	N/A	096	N/A
097	N/A	097	N/A
098	N/A	098	N/A

REVISION	DATE	BY	DESCRIPTION
1			ISSUED FOR CONSTRUCTION

W. J. CORNELL
 MIDLAND PLANT UNITS 1 & 2
 CONSUMERS POWER COMPANY
 PROCESS STEAM RADIATION MONITORING SYSTEM
 PIPING AND INSTRUMENT DIAGRAM
 7220 M-478 SH. 1 OF 4 3

KIDS

830214 0190

