



A1	INLET VALVE	NONE	
A2	CONTROLLER	NONE	
A3	3 BYPASS VALVES	NIBCO	T-111
A4	1 MAKE UP BY-PASS PIPING	KOD SHOP	
A5	STRAINER	NONE	
B1	STEAM PRV	NONE	
B2	STEAM CONTROLLER	NONE	
B3	BYPASS VALVES	NONE	
B4	STEAM PRV BY-PASS PIPING	NONE	
B5	1 STRAINER	MUELLER	752
C1	RELIEF VALVE	NONE	
C2	RELIEF VALVE PIPING	NONE	
D1	THERMOWELL	NONE	
E1	PRESSURE GAUGE	NONE	
E2	SIPHON & COCK	NONE	
E3	PRESSURE TRANS	NONE	
F1	VENT VALVE	NONE	
F2	1 ORIFICE PLATES	#N/A	
F3	BYPASS VALVES	NONE	
F4	VENT PIPING	NONE	
G1	IMV SPARE GASKETS	NONE	
H1	VACUUM BREAKER	NONE	
M1	BFP RECIRC SHUTTOFF		
M2	BFP RECIRC CHECK		
M3	BFP ORIFICE / VALVE		
M4	BFP PIPING	NONE	
M5	BFP PRESSURE GAUGE		
M6	2 BOILER FEED PUMPS	GRUNDFOS	CR60-50U
M7	2 ISOLATION VALVE	NIBCO	F817.0
M8	2 STRAINER	MUELLER	758
M9	2 PIPING	KOD SHOP	
M10	2 EXPANSION JOINT		
M11	BFP DISC PRESSURE GAUGE		
M12	BFP DISC CHECK		
M13	BFP DISCH ISOLATION		
M14	BFP DISCH ISOLATION		
M15	BFP DISCH ISOLATION		
M16	BFP DISCH ISOLATION		
M17	BFP DISCH ISOLATION		
M18	BFP DISCH ISOLATION		
M19	BFP DISCH ISOLATION		
M20	BFP DISCH ISOLATION		
N1	CHEMICAL FEED QUILL	NONE	
N2	IMV SPARE GASKETS		
N3	OVERFLOW VALVE	NONE	
N4	CONTROLLER	NONE	
N5	OVERFLOW PIPING	NONE	
N6	LEVEL SWITCHES	NONE	
N7	1 LEVEL SWITCH BRIDLE PIPING	NIBCO	T-111
N8	1 GAUGE GLASS	NONE	
N9	1 GAUGE GLASS BRIDLE PIPING	NIBCO	T-111
N10	1 GAUGE GLASS BRIDLE PIPING	NONE	
N11	1 GAUGE GLASS BRIDLE PIPING	NONE	
N12	1 GAUGE GLASS BRIDLE PIPING	NONE	
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N18	1 GAUGE GLASS BRIDLE PIPING	NONE	
N19	1 GAUGE GLASS BRIDLE PIPING	NONE	
N20	1 GAUGE GLASS BRIDLE PIPING	NONE	
O	CHEMICAL FEED QUILL	NONE	
P	IMV SPARE GASKETS		
Q1	OVERFLOW VALVE	NONE	
Q2	CONTROLLER	NONE	
Q3	OVERFLOW PIPING	NONE	
R1	LEVEL SWITCHES	NONE	
R2	1 LEVEL SWITCH BRIDLE PIPING	NIBCO	T-111
R3	1 GAUGE GLASS	NONE	
R4	1 GAUGE GLASS BRIDLE PIPING	NONE	
R5	1 GAUGE GLASS BRIDLE PIPING	NONE	
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Z20	1 GAUGE GLASS BRIDLE PIPING	NONE	

NOTES:
 1. CUSTOMER TO FIELD ALIGN PUMPS AND MOTORS, THEN SEND KOD CERTIFICATION PAPERS.
 2. GROUT STAND AS NECESSARY.

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NO.	DATE
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DESCRIPTION OF CHANGE	BY
-	-
-	-
-	-

CLIENT:
KANSAS CITY DEAERATOR CO.
 6731 W. 121st STREET
 OVERLAND PARK, KANSAS 66209
 (913) 338-2111 FAX (913) 338-2144

JOB #	SCALE	DESIGNED	DRAWN	CHECKED	DATE	UTD
STD	NTS	MK	GENI	PC	1-15 2004	1-15 2004
TITLE: GENERAL ARRANGEMENT						
MODEL: VTP50-4008-05-CR16-60						
DWG. NO.: VTP050-4008-05-CR16-60						