



A1	INLET VALVE			NONE	
A2	CONTROLLER			NONE	
A3	3 BYPASS VALVES	2	NIBCO	T-111	
A4	1 MAKE UP BY-PASS PIPING	2	KOD SHOP		
A5	STRAINER				
B1	STEAM PRV				
B2	STEAM CONTROLLER				
B3	BYPASS VALVES				
B4	STEAM PRV BY-PASS PIPING				
B5	1 STRAINER	3	MUELLER	752	
C1	RELIEF VALVE				
C2	RELIEF VALVE PIPING				
D1	THERMOWELL				
E1	PRESSURE GAUGE				
E2	SIPHON & COCK				
E3	PRESSURE TRANS				
F1	VENT VALVE				
F2	1 ORIFICE PLATES	#N/A			
F3	BYPASS VALVES				
F4	VENT PIPING				
G1	IMV SPARE GASKETS				
H1	VACUUM BREAKER				
M1	BFP RECIRC SHUTTOFF				
M2	BFP RECIRC CHECK				
M3	BFP ORIFICE / VALVE				
M4	BFP PIPING				
M5	BFP PRESSURE GAUGE	4	NONE		
M6	2 BOILER FEED PUMPS	4	GRUNDFOS	CR60-50U	
N1	2 ISOLATION VALVE	4	NIBCO	F817.0	
N2	2 STRAINER	4	MUELLER	758	
N3	2 PIPING	4	KOD SHOP		
N4	2 EXPANSION JOINT	4			
N5	BFP DISC PRESSURE GAUGE				
N6	BFP DISC CHECK				
N7	BFP DISCH ISOLATION				
N8	BFP DISCH ISOLATION				
O	CHEMICAL FEED QUILL				
P	IMV SPARE GASKETS				
Q1	OVERFLOW VALVE				
Q2	CONTROLLER				
Q3	OVERFLOW PIPING				
R1	LEVEL SWITCHES				
R2	1 LEVEL SWITCH BRIDLE PIPING	1 1/2	NIBCO	T-111	
S1	1 GAUGE GLASS				
S2	1 GAUGE GLASS BRIDLE PIPING	1 1/2	NIBCO	T-111	
T1					
2	CONTROL PANEL STARTERS		NONE		
1	PUMP STAND	14.2			

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

FRONT VIEW

END VIEW

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NO.	DATE
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DESCRIPTION OF CHANGE
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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	12-15 2003	12-15 2003

TITLE: **GENERAL ARRANGEMENT**

MODEL: VSP-4008-050

DWG. NO.: **VSP4008-050-CR45-3**