



P.O. Box 4290  
1101 Horizon Drive  
Lawrence, KS 66046-1290

### INSTRUMENT LIST

CUSTOMER	
JOB #	
AUTHOR	
TOTAL CON. HP	373.8
TOTAL AMPS	360.6
DATE REVISED	

TOTAL I/O COUNT	PLANT PLC	CONTRAN	AUX 1
AC-IN	73	57	16
AC-OUT	59	51	8
DC-IN	0	0	0
DC-OUT	0	0	0
A-IN	0	0	0
A-OUT	0	0	0
EXC+	0	0	0

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ITEM #	REV.	CUSTOMER PROVIDED		HORIZON ASSIGNED		CONTROLLER	LOCATION	INSTRUMENT DESCRIPTION	INSTRUMENT CONDITION	FAULT STATUS ELEC. / AIR	VOLTAGE	PHASE	I/O	HP	AMP	NOTES					
		P&ID DWG. #	INSTRUMENT ID	SYSTEM	P&ID DWG. #												INSTRUMENT ID				
1	A	N/A	N/A	100	N/A	FY-1.03A	PLANT PLC	CONVEY LINE	VACUUM MODULATING VALVE SOLENOID	N	FS / -	120	1								
2	A	N/A	N/A	100	N/A	FY-1.03B	PLANT PLC	CONVEY LINE	VACUUM MODULATING VALVE PURGE SOLENOID	N	FS / -	120	1								
3	A	N/A	N/A	100	N/A	KC-1.05	PLANT PLC	FILTER RECEIVER	FILTER TIMER BOARD	N	FS / -	120	1								
7	A	N/A	N/A	100	N/A	M-1.09	N/A	BLOWER PACKAGE	MOTOR	N	FS / -	480	3					40	62.1		
8	A	N/A	N/A	100	N/A	MS-1.09	PLANT PLC	BLOWER PACKAGE	MOTOR STARTER COIL	N	FS / -	120	1								
9	A	N/A	N/A	100	N/A	MS-1.09	PLANT PLC	BLOWER PACKAGE	MOTOR STARTER AUX. CONTACT	N	FS / -	120	1								
10	A	N/A	N/A	100	N/A	DS-1.09	PLANT PLC	BLOWER PACKAGE	DISCONNECT AUX. CONTACT	N	FS / -	120	1								
11	A	N/A	N/A	100	N/A	LSH-1.10	PLANT PLC	EXTRUDER SURGE BIN	LEVEL SWITCH HIGH	N	FS / -	120	1								
12	A	N/A	N/A	200	N/A	M-2.01	N/A	PUSHER FAN	MOTOR	N	FS / -	480	3							25	38.8
13	A	N/A	N/A	200	N/A	MS-2.01	PLANT PLC	PUSHER FAN	MOTOR STARTER COIL	N	FS / -	120	1								
14	A	N/A	N/A	200	N/A	MS-2.01	PLANT PLC	PUSHER FAN	MOTOR STARTER AUX. CONTACT	N	FS / -	120	1								
15	A	N/A	N/A	200	N/A	DS-2.01	PLANT PLC	PUSHER FAN	DISCONNECT AUX. CONTACT	N	FS / -	120	1								
16	A	N/A	N/A	200	N/A	FY-2.04A	PLANT PLC	PAVPU EXTRUDER HOOD	BYPASS VALVE SOLENOID	N	FS / -	120	1								
17	A	N/A	N/A	200	N/A	ZSO-2.04A	PLANT PLC	PAVPU EXTRUDER HOOD	BYPASS VALVE PROOF SWITCH OPEN	N	FS / -	120	1								
18	A	N/A	N/A	200	N/A	ZSC-2.04A	PLANT PLC	PAVPU EXTRUDER HOOD	BYPASS VALVE PROOF SWITCH CLOSED	N	FS / -	120	1								
19	A	N/A	N/A	200	N/A	FY-2.04B	PLANT PLC	PAVPU EXTRUDER HOOD	CLAMPSHELL OPEN SOLENOID	N	FS / -	120	1								
20	A	N/A	N/A	200	N/A	FY-2.04C	PLANT PLC	PAVPU EXTRUDER HOOD	CLAMPSHELL CLOSE SOLENOID	N	FS / -	120	1								
21	A	N/A	N/A	200	N/A	FY-2.04D	PLANT PLC	PAVPU EXTRUDER HOOD	BOTTOM CLAMPSHELL OPEN SOLENOID	N	FS / -	120	1								
22	A	N/A	N/A	200	N/A	LSH-2.07	PLANT PLC	DRYER CYCLONE	VIBRATION LEVEL INDICATOR	N	FS / -	120	1								
23	A	N/A	N/A	200	N/A	M-2.08	N/A	DRYER CYCLONE AIRLOCK	MOTOR	N	FS / -	480	3							2	3.1
24	A	N/A	N/A	200	N/A	MS-2.08	PLANT PLC	DRYER CYCLONE AIRLOCK	MOTOR STARTER COIL	N	FS / -	120	1								
25	A	N/A	N/A	200	N/A	MS-2.08	PLANT PLC	DRYER CYCLONE AIRLOCK	MOTOR STARTER AUX. CONTACT	N	FS / -	120	1								
26	A	N/A	N/A	200	N/A	DS-2.08	PLANT PLC	DRYER CYCLONE AIRLOCK	DISCONNECT AUX. CONTACT	N	FS / -	120	1								
27	A	N/A	N/A	200	N/A	M-2.11	N/A	NEGATIVE FAN	MOTOR	N	FS / -	480	3							75	116.5
28	A	N/A	N/A	200	N/A	MS-2.11	PLANT PLC	NEGATIVE FAN	MOTOR STARTER COIL	N	FS / -	120	1								
29	A	N/A	N/A	200	N/A	MS-2.11	PLANT PLC	NEGATIVE FAN	MOTOR STARTER AUX. CONTACT	N	FS / -	120	1								
30	A	N/A	N/A	200	N/A	DS-2.11	PLANT PLC	NEGATIVE FAN	DISCONNECT AUX. CONTACT	N	FS / -	120	1								
31	A	N/A	N/A	300	N/A	RMT-3.01A	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM RUN	N	FS / -	120	1								
32	A	N/A	N/A	300	N/A	RMT-3.01B	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM PAUSE	N	FS / -	120	1								
33	A	N/A	N/A	300	N/A	RMT-3.01C	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM PURGE	N	FS / -	120	1								
34	A	N/A	N/A	300	N/A	RMT-3.01D	PLANT PLC	CONTRAN CONTROL PANEL	ALARM RESET	N	FS / -	120	1								
35	A	N/A	N/A	300	N/A	RMT-3.01J	PLANT PLC	CONTRAN CONTROL PANEL	AIRLOCK RUN PERMISSIVE	N	FS / -	120	1								
36	A	N/A	N/A	300	N/A	RMT-3.01E	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM READY	N	FS / -	120	1								
37	A	N/A	N/A	300	N/A	RMT-3.01F	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM RUNNING	N	FS / -	120	1								
38	A	N/A	N/A	300	N/A	RMT-3.01G	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM PURGING/PAUSED	N	FS / -	120	1								
39	A	N/A	N/A	300	N/A	RMT-3.01H	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM ALARM	N	FS / -	120	1								
40	A	N/A	N/A	300	N/A	M-3.01	N/A	CONTRAN BLOWER PACKAGE	MOTOR	N	FS / -	480	3							50	77.7
41	A	N/A	N/A	300	N/A	MS-3.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	MOTOR STARTER COIL	N	FS / -	120	1								
42	A	N/A	N/A	300	N/A	MS-3.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	MOTOR STARTER AUX. CONTACT	N	FS / -	120	1								
43	A	N/A	N/A	300	N/A	DS-3.01	PLANT PLC	CONTRAN BLOWER PACKAGE	DISCONNECT AUX. CONTACT	N	FS / -	120	1								
44	A	N/A	N/A	300	N/A	ISH-3.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	TEMPERATURE SWITCH HIGH	N	FS / -	120	1								
45	A	N/A	N/A	300	N/A	FY-3.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	BYPASS BUTTERFLY VALVE SOLENOID	N	FS / -	120	1								
46	A	N/A	N/A	300	N/A	ZSO-3.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	BYPASS BUTTERFLY VALVE PROOF SWITCH OPEN	N	FS / -	120	1								
47	A	N/A	N/A	300	N/A	ZSC-3.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	BYPASS BUTTERFLY VALVE PROOF SWITCH CLOSED	N	FS / -	120	1								
48	A	N/A	N/A	300	N/A	LSH-3.04	PLANT PLC	CONTRAN BLOWER PACKAGE	LEVEL SWITCH HIGH	N	FS / -	120	1								
49	A	N/A	N/A	300	N/A	M-3.05	N/A	INFEED AIRLOCK	MOTOR	N	FS / -	480	3							1.5	2.3
50	A	N/A	N/A	300	N/A	MS-3.05	PLANT PLC	INFEED AIRLOCK	MOTOR STARTER COIL	N	FS / -	120	1								
51	A	N/A	N/A	300	N/A	MS-3.05	PLANT PLC	INFEED AIRLOCK	MOTOR STARTER AUX. CONTACT	N	FS / -	120	1								
52	A	N/A	N/A	300	N/A	DS-3.05	PLANT PLC	INFEED AIRLOCK	DISCONNECT AUX. CONTACT	N	FS / -	120	1								
58	A	N/A	N/A	400	N/A	RMT-4.01A	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM RUN	N	FS / -	120	1								
59	A	N/A	N/A	400	N/A	RMT-4.01B	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM PAUSE	N	FS / -	120	1								
60	A	N/A	N/A	400	N/A	RMT-4.01C	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM PURGE	N	FS / -	120	1								
61	A	N/A	N/A	400	N/A	RMT-4.01D	PLANT PLC	CONTRAN CONTROL PANEL	ALARM RESET	N	FS / -	120	1								
62	A	N/A	N/A	400	N/A	RMT-4.01J	PLANT PLC	CONTRAN CONTROL PANEL	AIRLOCK RUN PERMISSIVE	N	FS / -	120	1								
63	A	N/A	N/A	400	N/A	RMT-4.01E	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM READY	N	FS / -	120	1								
64	A	N/A	N/A	400	N/A	RMT-4.01F	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM RUNNING	N	FS / -	120	1								
65	A	N/A	N/A	400	N/A	RMT-4.01G	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM PURGING/PAUSED	N	FS / -	120	1								
66	A	N/A	N/A	400	N/A	RMT-4.01H	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM ALARM	N	FS / -	120	1								
67	A	N/A	N/A	400	N/A	M-4.01	N/A	CONTRAN BLOWER PACKAGE	MOTOR	N	FS / -	480	3							50	77.7
68	A	N/A	N/A	400	N/A	MS-4.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	MOTOR STARTER COIL	N	FS / -	120	1								
69	A	N/A	N/A	400	N/A	MS-4.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	MOTOR STARTER AUX. CONTACT	N	FS / -	120	1								
70	A	N/A	N/A	400	N/A	DS-4.01	PLANT PLC	CONTRAN BLOWER PACKAGE	DISCONNECT AUX. CONTACT	N	FS / -	120	1								
71	A	N/A	N/A	400	N/A	ISH-4.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	TEMPERATURE SWITCH HIGH	N	FS / -	120	1								
72	A	N/A	N/A	400	N/A	FY-4.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	BYPASS BUTTERFLY VALVE SOLENOID	N	FS / -	120	1								
73	A	N/A	N/A	400	N/A	ZSO-4.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	BYPASS BUTTERFLY VALVE PROOF SWITCH OPEN	N	FS / -	120	1								
74	A	N/A	N/A	400	N/A	ZSC-4.01	CONTRAN PANEL	CONTRAN BLOWER PACKAGE	BYPASS BUTTERFLY VALVE PROOF SWITCH CLOSED	N	FS / -	120	1								
75	A	N/A	N/A	400	N/A	LSH-4.04	PLANT PLC	CONTRAN BLOWER PACKAGE	AIRLOCK INLET HOPPER	N	FS / -	120	1								
76	A	N/A	N/A	400	N/A	M-4.05	N/A	INFEED AIRLOCK	MOTOR	N	FS / -	480	3							1.5	2.3
77	A	N/A	N/A	400	N/A	MS-4.05	PLANT PLC	INFEED AIRLOCK	MOTOR STARTER COIL	N	FS / -	120	1								
78	A	N/A	N/A	400	N/A	MS-4.05	PLANT PLC	INFEED AIRLOCK	MOTOR STARTER AUX. CONTACT	N	FS / -	120	1								
79	A	N/A	N/A	400	N/A	DS-4.05	PLANT PLC	INFEED AIRLOCK	DISCONNECT AUX. CONTACT	N	FS / -	120	1								
80	A	N/A	N/A	500	N/A	RMT-5.01A	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM RUN	N	FS / -	120	1								
81	A	N/A	N/A	500	N/A	RMT-5.01B	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM PAUSE	N	FS / -	120	1								
82	A	N/A	N/A	500	N/A	RMT-5.01C	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM PURGE	N	FS / -	120	1								
83	A	N/A	N/A	500	N/A	RMT-5.01D	PLANT PLC	CONTRAN CONTROL PANEL	ALARM RESET	N	FS / -	120	1								
84	A	N/A	N/A	500	N/A	RMT-5.01J	PLANT PLC	CONTRAN CONTROL PANEL	AIRLOCK RUN PERMISSIVE	N	FS / -	120	1								
85	A	N/A	N/A	500	N/A	RMT-5.01E	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM READY	N	FS / -	120	1								
86	A	N/A	N/A	500	N/A	RMT-5.01F	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM RUNNING	N	FS / -	120	1								
87	A	N/A	N/A	500	N/A	RMT-5.01G	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM PURGING/PAUSED	N	FS / -	120	1								
88	A	N/A	N/A	500	N/A	RMT-5.01H	PLANT PLC	CONTRAN CONTROL PANEL	SYSTEM ALARM	N	FS / -	120	1								
89	A	N/A	N/A	500																	

