

PANEL SCHEDULE											
Blower Building 120/208V Panel "CP-A"											
DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION	
C530-EF	.19kW	15A	1	*	*			2	40A	3kW	Sampling Rm C552-CU
C550-SF	4.6kW	50A	3	*	*			4	2P		2/C #8
2/C #6		2P	5	*	*			6	20A	1kW	Chemical Analyzer
C550-MD1		15A	7	*	*			8	2P		2/C #12 Teck
C521-MD1, C521-MD2		15A	9	*	*			10	20A	1kW	Chemical Analyzer Comp.
C523-MD1, C523-MD2		15A	11	*	*			12	2P		2/C #12 Teck
C530-MD1, C530-MD2		15A	13	*	*			14	15A		Spare
C580-MD1		15A	15	*	*			16	15A		Spare
Space		15A	17	*	*			18	15A		Spare
Electrical Room Lites	700W	15A	19	*	*			20	15A	3	Blower Room Recept.
Sampling & Control Rm lites	500W	15A	21	*	*			22	15A	3	Blower Room Recept.
Blower Room Lites	500W	15A	23	*	*			24	15A	3	Sampling Room Recept.
Blower Room Lites	900W	15A	25	*	*			26	15A	3	Control Room Recept.
C190-P	370W	15A	27	*	*			28	15A	3	Control Room Recept.
Space		2P	29	*	*			30	15A	2	Electrical Room Recept
Spare		15A	31	*	*			32	15A	2	Electrical Room Recept
Spare		15A	33	*	*			34			Space
Space		35		*	*			36			Space
Space		37		*	*			38			Space
Space		39		*	*			40			Space
Space		41		*	*			42			Space

Voltage: 120/208V/3Ø/4 Wire Feeder: 4/C # 2 Teck Cable

Mains: 225A Main Breaker: N/A

Location: Electrical Room Power Source: Transformer C100-CP-A

Mounting: Surface

PANEL SCHEDULE											
Blower Building 120/208V Panel "CP-B"											
DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION	
Spare		15A	1	*	*			2	15A		C522-MD1, C522-MD2
Spare		15A	3	*	*			4	15A		C524-MD1, C524-MD2
Spare		15A	5	*	*			6	15A	0.37kW	C290-P
Spare		15A	7	*	*			8	2P		CCTV Camera CCTV-003
Spare		15A	9	*	*			10	15A		CCTV Camera CCTV-004
Spare		15A	11	*	*			12	15A		Spare
Spare		15A	13	*	*			14	15A		Spare
Spare		15A	15	*	*			16	15A		Spare
Spare		15A	17	*	*			18	15A		Spare
O/H Door #1	0.5HP	15A	19	*	*			20			Space
Space		3P	21	*	*			22			Space
3/C #12 Teck		3P	23	*	*			24			Space
Space		25	*	*				26			Space
Space		27	*	*				28			Space
Space		29	*	*				30			Space
Space		31	*	*				32			Space
Space		33	*	*				34			Space
Space		35	*	*				36			Space
Space		37	*	*				38			Space
Space		39	*	*				40			Space
Space		41	*	*				42			Space

Voltage: 120/208V/3Ø/4 Wire Feeder: 4/C # 2 Teck Cable

Mains: 225A Main Breaker: N/A

Location: Electrical Room Power Source: Transformer C200 - CP-B

Mounting: Surface

PANEL SCHEDULE											
Blower Building 600V Panel "CDP-C100"											
DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION	
Equiliz. Tank Pump C330-P	23.9kW	80A	1	*	*			2	15A	.75kW	Decanter C160
VFD		3P	3	*	*			4	3P		VFD
3/C #6 Teck Plus 100% GRD			5	*	*			6			3/C #12 Teck Plus 100% GRD
Spare		15A	7	*	*			8	15A	2kW	Weir Gate Actuator C010-WG
Space		3P	9	*	*			10	3P		
Space		11		*	*			12			3/C #12 Teck
Controller Sump Pit C570	2.6kW	15A	13	*	*			14	15A		Spare
Space		3P	15	*	*			16	3P		
3/C #12 Teck		17		*	*			18			
Fan C521-EF	5.6kW	20A	19	*	*			20	20A	5.6kW	Fan C523-EF-3
VFD		3P	21	*	*			22	3P		VFD
3/C #10 Teck Plus 100% GRD			23	*	*			24			3/C #10 Teck Plus 100% GRD
Fan C580-EF	5.6kW	20	25	*	*			26	15A	5kW	Unit Heater C524-UH
VFD		3P	27	*	*			28	3P		
3/C #10 Teck Plus 100% GRD			29	*	*			30			3/C #12 Teck
Unit Heater C521-UH	10kW	15A	31	*	*			32	60A	2	Welding Receptacle
Space		3P	33	*	*			34			Space
3/C #10 Teck		35	*	*				36			3/C #6 Teck
Space		37	*	*				38			Transformer C100-CP-A
Space		39	*	*				40	3P		
Space		41	*	*				42			3/C #6 Teck Cable

Voltage: 600V/3Ø/3 wire Feeder: 3/C #3/0 Teck

Mains: 400A Main Breaker: N/A

Location: Electrical Room Power Source: MCC 1C

Mounting: Surface

PANEL SCHEDULE											
Exhaust Fan Room 120/208V Panel "CP-D"											
DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION	
C952-P Eq. Sampling Pump	1.2kW	15A	1	*	*			2	15A		Spare
Space		2P	3	*	*			4	20A	.75kW	C960-S Sampling Fridge
Exhaust Fan Room Lites	600W	15A	5	*	*			6	15A	.37kW	C962-AC Sampling Comp.
Cond. Stack Heat Trace HT-1	400W	15A	7	*	*			8	15A		C962-AD Sampling Air Dryer
Cond. Exh. Bld. HT-1	200W	15A	9	*	*			10	15A	1	Exhaust Fan Room Recept
Dom. Water Exh. Bld. HT-3	100W	15A	11	*	*			12	15A	2	Exhaust Fan Room Recept
Temp. Water Soda Ash HT-4	100W	15A	13	*	*			14	15A	2	Exhaust Fan Room Recept
CW Water Line HT-5	100W	15A	15	*	*			16	15A		Silo Truck Unloading Panel
Soda Ash tank Heating HT-6	2kW	30A	17	*	*			18	15A		Silo Truck Unloading Panel
C540-MD1, C540-MD2		15A	19	*	*			20	15A		CCTV Camera CCTV-001
Roadway Lighting	900W	15A	21	*	*			22	15A		CCTV Camera CCTV-002
Tank Lighting	600W	15A	23	*	*			24	15A		Spare
Tank Lighting	600W	15A	25	*	*			26	15A		Spare
Exterior Lighting	200W	15A	27	*	*			28	15A		Spare
Exterior Lighting Controller		15A	29	*	*			30	15A		Spare
Exterior Receptacles	200W	15A	31	*	*			32	15A		Spare
Spare		15A	33	*	*			34	15A		Spare
Spare		15A	35	*	*			36	15A		Spare
O/H Door #2	0.5HP	15A	37	*	*			38	15A		Spare
Space		3P	39	*	*			40	15A		Spare
3/C #12 Teck		41		*	*			42	15A		Spare

Voltage: 120/208V/3Ø/4 Wire Feeder: 4/C # 2 Teck Cable

Mains: 225A Main Breaker: N/A

Location: Exhaust Fan Room Power Source: Transformer C400 - CP-D

Mounting: Surface

PANEL SCHEDULE											
Exhaust Fan 600V Panel "CDP-C400"											
DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION	
Fan C510-EF	11.1kW	30A	1	*	*			2	125A	38kW	Blower C450-AB
VFD		3P	3	*	*			4	3P		
3/C #6 Teck Plus 100% GRD			5	*	*			6			3/C #4 Teck
Fan C528-EF	5.6kW	20A	7	*	*			8	15A	6kW	Unit Heaters C523-UH C524-UH
VFD		3P	9	*	*			10	3P		
3/C #10 Teck Plus 100% GRD			11	*	*			12			3/C #12 Teck
2 Welding Recept.	20kW	30A	13	*	*			14	60A		Welding Receptacle
3/C #10 Teck		3P	15	*	*			16	3P		
Spare		15A	17	*	*			18			3/C #6 Teck
Space		3P	19	*	*			20	15A		Spare
Space		21	*	*				22	3P		
Space		23	*	*				24			
Space		25	*	*				26			Space
Space		27	*	*				28			
Space		29	*	*				30			
Space		31	*	*				32			Space
Space		33	*	*				34			
Space		35	*	*				36			
Transformer C400-CP-D	30kVA	40A	37	*	*			38	100A		CDP - C300
Space		3P	39	*	*			40	3P		
3/C #6 Teck		41		*	*			42			3/C # 2 Teck

Voltage: 600V/3Ø/3 Wire Feeder: 3/C #350MCM Teck Cable

Mains: 400A Main Breaker: N/A

Location: Exhaust Fan Room Power Source: MCC 1C

Mounting: Surface

PANEL SCHEDULE											
Blower Building 600V Panel "CDP-C200"											
DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION	
Equiliz. Tank Pump C340-P	23.9kW	80A	1	*	*			2	15A	.75kW	Decanter C260
VFD		3P	3	*	*			4	3P		VFD
3/C #6 Teck Plus 100% GRD			5	*	*			6			3/C #12 Teck Plus 100% GRD
Blower Room Hoist	1.5kW	15A	7	*	*			8	15A	2kW	Weir Gate Actuator C020-WG
Space		3P	9	*	*			10	3P		
3/C # 12 Teck Cable			11	*	*			12			3/C #12 Teck
Controller Sump Pit C571T	2.6kW	15A	13	*	*			14	40A	12kW	Fan C560-SF
Space		3P	15	*	*			16	3P		
Space		17		*	*			18			3/C #10 Teck
3/C #12 Teck		19	*	*				20	20A	5.6kW	Fan C524-EF
Fan C522-EF	5.6kW	20A	21	*	*			22	3P		VFD
VFD		3P	23	*	*			24			3/C #10 Teck Plus 100% GRD
3/C #10 Teck Plus 100% GRD			25	*	*			26	15A		Spare
Spare		3P	27	*	*			28	3P		
Space		29	*	*				30			
Unit Heaters C522-UH C523-UH	6kW	15A	31	*	*			32			Space
Space		3P	33	*	*			34			
3/C #12 Teck		35	*	*				36			
Transformer C200 - CP-B	30kVA	40A	37	*	*			38	40A	30kVA	Transformer C200 - CP-E
Space		3P	39	*	*			40	2P		
3/C # 6 Teck Cable		41		*	*			42			3/C # 6 Teck Cable

Voltage: 600V/3Ø/3 wire Feeder: 3/C # 250MCM Teck Cable

Mains: 400A Main Breaker: N/A

Location: Electrical Room Power Source: MCC 2C

Mounting: Surface

LUMINAIRE SCHEDULE											
Type	Manufacturer	Catalogue No.	Voltage	No.	Type	Mounting	Remarks				
A	CFI FLUORESCENT	TL248-120S0	120	2	TB	STEM	MOUNTED AT 1 METERS A F.F.				
B	KEENE LYTEPRO WALLCUBES	LPS-C07-3-MAL-1P105A-1P	120	1	70W M.H.	WALL	MOUNTED AT 1 METER ABOVE DOOR OPENING				
C	KEENE AREA FLOODLIGHTING	AKMM-250-C-1-LRMFA-P	120	1	250W M.H.	POLE	2' POLE MOUNTED C/W BASE DUSK TO DAWN PHOTOCONTROL. BULL HORN ARM REQUIRED FOR DUAL HEAD FIXTURES. (WEST SIDE OF SBR TANK)				
D	KEENE FLOODLIGHTING	MRW-150-DMA-L-1P	120	1	150W M.H.	WALL	WALL MOUNTED AT 6 METERS ABOVE FINISHED GRADE				
E	ROADWAY LIGHTING	1PA-250M-RSP-120/LPSP-PE1	120	1	250W M.H.	POLE	C/W 1 METER POLE AND DUSK TO DAWN PHOTOCONTROL				
F	READY LITE N/TF SERIES EMERGENCY / EXIT COMBO	N12M02-MK-TUF1-FA	120	2	MR16 - 12W	WALL	COLOR TO SUIT EXISTING C/W FIRE ALARM ACTIVATED FLASHER				

HEAT TRACE SCHEDULE											
Heat Trace Number	Location	Pipe size	Insulation	Heat Trace Trace/Wrap	Manufacturer/Cat. No.	Remarks					
HT-1	Condensate Stack Exhaust	75mm	50mm	15.25W/M	Trace Serge Bari Cat. No. 5FPS-1BT	Provide misc. equipm. as required					
HT-2	Exhaust Fan Rm	75mm	50mm	15.25W/M	Trace Serge Bari Cat. No. 5FPS-1BT	Refer to Mechanical Drawing for length					
HT-3	Exhaust Fan Rm	75mm	50mm	9.15W/M	Trace Serge Bari Cat. No. 3FPS-1BT	Refer to Mechanical Drawing for length					
HT-4	Soda Ash Silo										