

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 15A	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.
		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										
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
		2P	3	*				4 20A	.75kW	C962-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 GFI	7	*				8 15A		C962-AD Sampling Air Dryer
Cond. Exh. Bld. HT-1	200W	15A GFI	9	*				10 15A	1	Exhaust Fan Room Recept
Dom. WaterExh. Bld. HT-3	100W	15A GFI	11	*				12 15A	2	Exhaust Fan Room Recept
Temp. Water Soda Ash HT-4	100W	15A GFI	13	*				14 15A	2	Exhaust Fan Room Recept
GW Water Line HT-5	100W	15A GFI	15	*				16 15A		Silo Truck Unloading Panel
Soda Ash tank Heating HT-6	2kW	30A GFI	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		
Tank Lighting	600W	15A	25	*				26		
Exterior Lighting	200W	15A	27	*				28		
Exterior Lighting Controller		15A	29	*				30		
Exterior Receptacles	200W	15A	31	*				32		
			33	*				34		
			35	*				36		
			37	*				38		
			39	*				40		
			41	*				42		

Voltage: 120/208V/3Ø/4 Wire Feeder: 4/C # 2 Teck Cable
Mains: 225A Main Breaker: N/A
Location: Electrical Room Power Source: Transformer C300 - CP-D
Mounting: Surface

LUMINAIRE SCHEDULE									
Type	Manufacturer	Catalogue No.	Voltage	No.	Type	Mounting	Remarks		
A	CFI FLUORESCENT	IL248-12050	120	2	STB	STEM	MOUNTED AT 5 METERS A.F.F.		
B	KEENE LYTERPO WALLCUBES	LP-S-C07-3MA-L-P105A-1-P	120	1	70W M.H	WALL	MOUNTED AT 1 METER ABOVE DOOR OPENING		
C	KEENE AREA FLOODLIGHTING	AKMM-250-C-1-TRMFA-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	MR-W-150-DMA-L-1-P	120	1	150W M.H	WALL	WALL MOUNTED AT 6 METERS ABOVE FINISHED GRADE		
E	ROADWAY LIGHTING	IPA-250M-RSP-120-LP15F-PE1	120	1	250W M.H	POLE	C/W 6 METER POLE AND DUSK TO DAWN PHOTOCONTROL		
F	READY LITE NTRF SERIES EMERGENCY / EXIT COMBO	N12M60-3MR-TUF1-FA	120	2	MR16 - 12W	WALL	COLOR TO SUIT EXISTING C/W FIRE ALARM ACTIVATED FLASHER		

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		
Spare		15A	9	*				10 15A		CCTV Camera CCTV-003
Spare		15A	11	*				12 15A		CCTV Camera CCTV-004
Spare		15A	13	*				14 15A		Spare
Spare		15A	15	*				16 15A		Spare
Spare		15A	17	*				18 15A		Spare
Space			19	*				20		Space
Space			21	*				22		Space
Space			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										
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 100A	38kW	Fan C450-AB
VFD		3P	3	*				4 3P		
3/C #8 Teck Plus 100% GRD			5	*				6		3/C #4 Teck
Fan C528-EF	5.6kW	20A	7	*				8 15A	6kW	Unit Heaters C525-UH C526-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 15A		Spare
		3P	15	*				16 3P		
3/C #10 Teck			17	*				18		
Spare		15A	19	*				20 15A		Spare
		3P	21	*				22 3P		
			23	*				24		
Space			25	*				26		Space
			27	*				28		
			29	*				30		
Space			31	*				32		Space
			33	*				34		
			35	*				36		
Transformer CDP-CP-D	30kVA	40A	37	*				38 100A		CDP - C300
		3P	39	*				40 3P		
3/C #			41	*				42		3/C # 2 Teck

Voltage: 600V/3Ø/3 Wire Feeder: 3/C # ? Teck Cable
Mains: 225A Main Breaker: N/A
Location: Exhaust Fan Room Power Source: CDP - C400
Mounting: Surface

HEAT TRACE SCHEDULE									
Heat Trace Number	Location	Pipe size	Installation	Heat Trace Cable Size	Trace/Wrap	Manufacturer/Cat. No.	Remarks		
HT-1	Condensate for Stack Exhaust	100mm	50mm	15.25W/M	Trace	Serge Bari Cat. No. 5FPS-1BT	Provide misc. equipment as required		
HT-2	Exhaust Fan Rm	100mm	50mm	15.25W/M	Trace	Serge Bari Cat. No. 5FPS-1BT	Refer to Mechanical Drawing for length		
HT-3	Exhaust Fan Rm	50mm	50mm	9.15W/M	Trace/Wrap	Serge Bari Cat. No. 3FPS-1BT	Refer to Mechanical Drawing for length		
HT-4	Soda Ash Silo	75mm	50mm	9.15W/M	Trace	Serge Bari Cat. No. 3FPS-1BT	Refer to Mechanical Drawing for length		
HT-5	Soda Ash Silo	38mm	50mm	9.15W/M	Trace	Serge Bari Cat. No. 3FPS-1BT	Refer to Mechanical Drawing for length		
HT-6	Soda Ash Tank		50mm	30.4W/M	Wrap Tank	Serge Bari Cat. NO. 10FPS-1BT	Refer to Mechanical Drawing for length		

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 Accuator C010-WG
		3P	9	*				10 3P		
			11	*				12		3/C#12 Teck
Controller Sump Pit C570	2.6kW	15A	13	*				14 15A		Spare
		3P	15	*				16 3P		
			17	*				18		
3/C #12 Teck			19	*				20 20A	5.6kW	Fan C523-EF-3
Fan C521-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	5kW	Unit Heater C524-UH
Fan C580-EF	5.6kW	20	27	*				28 3P		VFD
VFD		3P	29	*				30		3/C #12 Teck
3/C #10 Teck Plus 100% GRD			31	*				32 15A		Spare
Unit Heater C521-UH	10kW	15A	33	*				34 3P		
		3P	35	*				36		
3/C #10 Teck			37	*				38 40A		TransformerC100-CP-A
Space			39	*				40 3P		
			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										
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 Accuator C020-WG
		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
		3P	15	*				16 3P		
			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		20A	27	*				28 3P		
		3P	29	*				30		
Unit Heaters C522-UH C523-UH	6kW	15A	31	*				32		Space
		3P	33	*				34		
3/C #12 Teck			35	*				36		
Transformer C200 - CP-B	30kVA	40A	37	*				38 40A	30kVA	Tansformer C200 - CP-E
		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

PANEL SCHEDULE										
Blower Building (Parking Lot) 120/208V Panel "CP-E"										
DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
P										