

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.
Space		2P	29	*			30	15A	2	Electrical Room Recept
Space		15A	31	*			32	15A	2	Electrical Room Recept
Space		15A	33	*			34			Space
Blower C410-AB Control	500W	15A	35	*			36			Space
Blower C410-AB Control	500W	15A	37	*			38			Space
Blower C420-AB Control	500W	15A	39	*			40			Space
Blower C420-AB Control	500W	15A	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
Soda Ash 120/208V Panel "CP-C"

DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
Soda Ash Eye Wash Booth	30A	40A	1	*			2	15A		Ultrasonic Level Transmitter
3/C # 8 Teck Cable		2P	3	*			4	40A	30A	Methanol Eye Wash Booth
Dust Collector Motorized Shaker	1/6HP	15A	5	*			6	2P		3/C # 8 Teck Cable (EXP)
Magnetic Flow Meter		15A	7	*			8	15A		Main Soda Ash Control Panel
Electric Actuated Ball Valve		15A	9	*			10	15A		Main Soda Ash Control Panel
Methanol Lighting	500W	15A	11	*			12	15A	50W	HT-4 (GFI Breaker)
Silo Truck Unloading Panel	600W	15A	13	*			14	15A	100W	HT-5 (GFI Breaker)
Silo Truck Unloading Panel	600W	15A	15	*			16	15A	1kW	HT-6a (GFI Breaker)
Space		15A	17	*			18	15A	1kW	HT-6b (GFI Breaker)
Space		15A	19	*			20	15A	600W	HT-8 (GFI Breaker)
Space		15A	21	*			22	15A	600W	HT-9 (GFI Breaker)
Space		15A	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: Soda Ash Silo Power Source: Transformer C300 - CP-C
Mounting: Surface In WeatherProof Cabinet

PANEL SCHEDULE
Soda Ash 600V Panel "CDP-C300"

DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
Vibrator Motor C-625	1kW	15A	1	*			2	15A	1kW	Rotary Air Lock Valve
VFD		3P	3	*			4	3P		
3/C # 12 Teck			5	*			6			3/C # 12 Teck
Tank Mixer C-650	2.25kW	15A	7	*			8	15A	1.5kW	Dust Filter Blower C-615
VFD		3P	9	*			10	3P		3/C #12 Teck
3/C # 12 Teck			11	*			12			
			13	*			14			
			15	*			16			
			17	*			18			
			19	*			20			
			21	*			22			
			23	*			24			
			25	*			26			
			27	*			28			
			29	*			30			
			31	*			32			
			33	*			34			
			35	*			36			
			37	*			38	40A		Transformer C300 - CP-C
			39	*			40	3P		
			41	*			42			3/C #6 Teck

Voltage: 600V/3Ø/3 Wire Feeder: 3/C # 2 Teck Cable
Mains: 225A Main Breaker: N/A
Location: Soda Ash Silo Power Source: CDP - C400
Mounting: Surface

PANEL SCHEDULE
Blower Building 120/208V Panel "CP-B"

DESCRIPTION	LOAD	BKR	CCT	A	B	C	CCT	BKR	LOAD	DESCRIPTION
Blower C430-AB Control	500W	15A	1	*			2	15A		C522-MD1, C522-MD2
Blower C430-AB Control	500W	15A	3	*			4	15A		C524-MD1, C524-MD2
Blower C440-AB Control	500W	15A	5	*			6	15A	0.37kW	C290-P
Blower C 440-AB Control	500W	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		Space
Spare		15A	15	*			16	15A		Space
Spare		15A	17	*			18	15A		Space
O/H Door #1	0.5HP	15A	19	*			20			Space
Space		3P	21	*			22			Space
3/C #12 Teck			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 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.
Blower C450-AB	500W	15A	7	*			8	15A		C962-AD Sampling Air Dryer
Blower C450-AB	500W	15A	9	*			10	15A	1	Exhaust Fan Room Recept
Spare		15A	11	*			12	15A	2	Exhaust Fan Room Recept
Spare		15A	13	*			14	15A	2	Exhaust Fan Room Recept
Spare		15A	15	*			16	15A		Space
Spare		15A	17	*			18	15A		Space
C540-MD1, C540-MD2	35A	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	500W	HT-1 (GFI Breaker)
Tank Lighting	600W	15A	25	*			26	15A	150W	HT-2 (GFI Breaker)
Exterior Lighting	200W	15A	27	*			28	15A	100W	HT-3 (GFI Breaker)
Exterior Lighting Controller	15A	29	*				30	15A	50W	HT-7 (GFI Breaker)
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		Space

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 Room 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 #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	60A		Welding Receptacle
3/C #10 Teck		3P	15	*			16	3P		
Spare		15A	17	*			18			3/C #6 Teck
Space		15A	19	*			20	15A		Spare
Space		3P	21	*			22	3P		
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
Transformer C400-CP-D	30kVA	40A	37	*			38	100A		CDP - C300
3/C #6 Teck		3P	39	*			40	3P		
			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-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
Space		3P	9	*			10	3P		
Controller Sump Pit C570	2.6kW	15A	13	*			14	15A		Space
Space		3P	15	*			16	3P		
3/C #12 Teck			17	*			18			Space
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	3P		
3/C #10 Teck			35	*			36			3/C #6 Teck
Space			37	*			38	40A		Transformer C100-CP-A
			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										