

MOTOR SCHEDULE																							
MOTOR										STARTER					POWER								
EQUIP. NO.	DESCRIPTION	LOCATION	EQUIP. LOAD	EQUIP. LOAD	V/PH	MCC	SIZE	TYPE	MAN.	MAG.	S/S	PL.	C.O.H.	OVERCURRENT DEVICE	LOCATION	PANEL	OCT.	FEEDER	CAP. SIZE	DISC. TYPE	INTERLOCK	REMARKS	
P-S160A	Ferric Chloride Feed Pump No. 1	Sulphuric Acid Rm	1.0HP	0.75kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE					
P-S170A	Ferric Chloride Feed Pump No. 2	Sulphuric Acid Rm	1.0HP	0.75kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE					
P-S180A	Ferric Chloride Feed Pump No. 3	Sulphuric Acid Rm	1.0HP	0.75kW	600/3	12B		VFD				*	*	FUSE				3/C#12 VFD CABLE					
P-S230A	Sulphuric Acid Feed Pump No. 1	Ferric Chloride Rm	1.0HP	0.75kW	600/3	12B		VFD				*	*	FUSE				3/C#12 VFD CABLE					
P-S240A	Sulphuric Acid Feed Pump No. 2	Ferric Chloride Rm	1.0HP	0.75kW	600/3	12B		VFD				*	*	FUSE				3/C#12 VFD CABLE					
P-S250A	Sulphuric Acid Feed Pump No. 3	Ferric Chloride Rm	1.0HP	0.75kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE					
P-S350A	Sodium Hydroxide Feed Pump No. 1	Sodium Hydroxide Rm	1.0HP	0.75kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE					
P-S360A	Sodium Hydroxide Feed Pump No. 2	Sodium Hydroxide Rm	1.0HP	0.75kW	600/3	12B		VFD				*	*	FUSE				3/C#12 VFD CABLE					
P-S370A	Sodium Hydroxide Feed Pump No. 3	Sodium Hydroxide Rm	1.0HP	0.75kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE					
P-S430A	Ammonia Feed Pump No. 1	Aqua Ammonia Rm	1.0HP	0.75kW	600/3	12B		VFD				*	*	FUSE				3/C#12 VFD CABLE					
FV-S107A	Ferric Chloride Rail Containment Valve	Ferric Chloride Rm	1.0HP	0.75kW	600/3									15A-3P	DP-S201	19,21,23		3/C#12 TECK					
FV-S206A	Truck Unload Containment Valve	Stairwell	1.0HP	0.75kW	600/3									15A-3P	DP-S201	25,27,29		3/C#12 TECK					
FV-S207A	Sulphuric Acid Rail Containment Valve	Sulphuric Acid Rm	1.0HP	0.75kW	600/3									15A-3P	DP-S202	19,21,23		3/C#12 TECK					
FV-S309A	Truck Unload Containment Valve	Stairwell	1.0HP	0.75kW	600/3									15A-3P	DP-S202	25,27,29		3/C#12 TECK					
HTR-S310A	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12A	1							40A-3P				3/C#8 TECK					
HTR-S310B	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12A	1							40A-3P				3/C#8 TECK					
HTR-S310C	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12A	1							40A-3P				3/C#8 TECK					
HTR-S320A	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12A	1							40A-3P				3/C#8 TECK					
HTR-S320B	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12A	1							40A-3P				3/C#8 TECK					
HTR-S320C	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12A	1							40A-3P				3/C#8 TECK					
HTR-S330A	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12B	1							40A-3P				3/C#8 TECK					
HTR-S330B	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12B	1							40A-3P				3/C#8 TECK					
HTR-S330C	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12B	1							40A-3P				3/C#8 TECK					
HTR-S340A	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12B	1							40A-3P				3/C#8 TECK					
HTR-S340B	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12B	1							40A-3P				3/C#8 TECK					
HTR-S340C	Sodium Hydroxide Tank Heater	Sodium Hydroxide Rm		24kW	600/3	12B	1							40A-3P				3/C#8 TECK					
P-S440A	Ammonia Feed Pump No. 2	Aqua Ammonia Rm	1.0HP	0.75kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE					
WSF-S701A	Water Softner	Mechanical Room	Frac		120/1									15A-1P	PP-S201	24		2/C#12 TECK				PROVIDE CORD AND CAP AND RECEPTACLE	
WSF-S701B	Water Softner	Mechanical Room	Frac		120/1									15A-1P	PP-S202	24		2/C#12 TECK				PROVIDE CORD AND CAP AND RECEPTACLE	
MP-S702A	Boiler Chemical Feed Metering Pump	Mechanical Room	Frac		120/1									15A-1P	PP-S202	26		2/C#12 TECK				PROVIDE CORD AND CAP AND RECEPTACLE	
MXR-S702A	Boiler Chemical Mixer	Mechanical Room	Frac		120/1									15A-1P	PP-S202	28		2/C#12 TECK				PROVIDE CORD AND CAP AND RECEPTACLE	
BLR-S704A	Steam Boiler	Mechanical Rm		6.8kVA	600/3									15A-3P	DP-S201	1,3,5		3/C#12 TECK		CSA 12			
BLR-S704B	Steam Boiler	Mechanical Rm		6.8kVA	600/3									15A-3P	DP-S202	1,3,5		3/C#12 TECK		CSA 12			
P-S706A	Steam Boiler Feed Pump	Mechanical Rm	3.0HP	2.2kW	600/3	12A	1	FVNR				*	*	7MCP				3/C#12 TECK		CSA 12			
P-S707A	Steam Boiler Feed Pump	Mechanical Rm	3.0HP	2.2kW	600/3	12B	1	FVNR				*	*	7MCP				3/C#12 TECK		CSA 12			
OMP-S815A	Air Compressor	Mechanical Rm	8.0HP	6kW	600/3									20A-3P	DP-S201	13,15,17		3/C#12 TECK		CSA 12		UNIT C/W MOTOR STARTER, WIRE CONTROLS TO LCP-S815A	
AD-H815A	Air Dryer	Mechanical Rm	Frac		120/1									15A-1P	PP-S201	40		2/C#12 TECK					
OMP-S816A	Air Compressor	Mechanical Rm	8.0HP	6kW	600/3									20A-3P	DP-S202	13,15,17		3/C#12 TECK		CSA 12		UNIT C/W MOTOR STARTER, WIRE CONTROLS TO LCP-S815A	
AD-H816A	Air Dryer	Mechanical Rm	Frac		120/1									15A-1P	PP-S202	54		2/C#12 TECK					
SF-H800A	Make-up Air Unit Supply Fan	Ferric Chloride Rm	5.0HP	3.7kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE		CSA 4		CONTROLS WIRED TO BAS LCP	
EF-H800A	Make-up Air Unit Exhaust Fan	Ferric Chloride Rm	3.0HP	2.2kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE		CSA 4		CONTROLS WIRED TO BAS LCP	
SF-H801A	Make-up Air Unit Supply Fan	Sulphuric Acid Rm	3.0HP	2.2kW	600/3	12B		VFD				*	*	FUSE				3/C#12 VFD CABLE		CSA 4		CONTROLS WIRED TO BAS LCP	
EF-H801B	Make-up Air Unit Exhaust Fan	Sulphuric Acid Rm	2.0HP	1.5kW	600/3	12B		VFD				*	*	FUSE				3/C#12 VFD CABLE		CSA 4		CONTROLS WIRED TO BAS LCP	
SF-H802A	Make-up Air Unit Supply Fan	Sodium Hydroxide Rm	5.0HP	3.7kW	600/3	12B		VFD				*	*	FUSE				3/C#12 VFD CABLE		CSA 4		CONTROLS WIRED TO BAS LCP	
EF-H802A	Make-up Air Unit Exhaust Fan	Sodium Hydroxide Rm	3.0HP	2.2kW	600/3	12B		VFD				*	*	FUSE				3/C#12 VFD CABLE		CSA 4		CONTROLS WIRED TO BAS LCP	
SF-H803A	Air Purify Unit Supply Fan	Electrical Room	3.0HP	2.2kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE		CSA 4		CONTROLS WIRED TO BAS LCP	
CJ-H803A	Condensing Unit	Electrical Room		15.9kW	600/3									20A-3P	DP-S201	2,4,6		3/C #10 TECK		CSA 4		CONTROLS WIRED TO BAS LCP	
SF-H804A	Make-up Air Unit Supply Fan	Aqua Ammonia Rm	3.0HP	2.2kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE		CSA 4		CONTROLS WIRED TO BAS LCP	
EF-H804A	Make-up Air Unit Exhaust Fan	Aqua Ammonia Rm	2.0HP	1.5kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE		CSA 4		CONTROLS WIRED TO BAS LCP	
BG-H805A	Hot Water Boiler	Mechanical Room	3.0HP	2.2kW	600/3									15A-3P	DP-S201	8,10,12		3/C#12 TECK		CSA 12		CONTROLS WIRED TO BAS LCP	
BG-H805B	Hot Water Boiler	Mechanical Room	3.0HP	2.2kW	600/3									15A-3P	DP-S202	8,10,12		3/C#12 TECK		CSA 12		CONTROLS WIRED TO BAS LCP	
HEX-H806A	Plate Heat Exchanger	Mechanical Rm	1.5HP		120/1									30A-1P	PP-S201	36		2/C#10 TECK					
HEX-H806B	Plate Heat Exchanger	Mechanical Rm	1.5HP		120/1									30A-1P	PP-S202	34		2/C#10 TECK					
GP-H808A	Glycol Hot Water Inline Circulation Pump	Mechanical Rm	7.5HP	5.6kW	600/3	12A		VFD				*	*	FUSE				3/C#12 VFD CABLE				CONTROLS WIRED TO BAS LCP	
GP-H808B	Glycol Hot Water Inline Circulation Pump	Mechanical Rm	7.5HP	5.6kW	600/3	12B		VFD				*	*	FUSE				3/C#12 VFD CABLE				CONTROLS WIRED TO BAS LCP	
GP-H810A	Chem Building Heating Inline Circ Pump	Mechanical Rm	5.0HP	3.7kW	600/3	12A	1	FVNR				*	*	15MCP				3/C#12 TECK		CSA 12		CONTROLS WIRED TO BAS LCP	
GP-H810B	Chem Building Heating Inline Circ Pump	Mechanical Rm	5.0HP	3.7kW	600/3	12B	1	FVNR				*	*	15MCP				3/C#12 TECK		CSA 12		CONTROLS WIRED TO BAS LCP	
GP-H812A	Hypo Building Heating Inline Circ Pump	Mechanical Rm	10.0HP	7.5kW	600/3	12A	1	FVNR				*	*	30MCP				3/C#12 TECK		CSA 12		CONTROLS WIRED TO BAS LCP	
GP-H812B	Hypo Building Heating Inline Circ Pump	Mechanical Rm	10.0HP	7.5kW	600/3	12B	1	FVNR				*	*	30MCP				3/C#12 TECK		CSA 12		CONTROLS WIRED TO BAS LCP	
HEX-H814A	Domestic Hot Water Plate Heat Exchanger	Mechanical Rm	4.0HP		600/3									15A-3P	PP-S201	38		2/C#12 TECK		CSA 12			
GF-H815A	Glycol Fill Tank	Mechanical Rm	0.5HP	0.37kW	120/1									25A-1P	PP-S201	32		2/C#12 TECK				PROVIDE CORD AND CAP AND RECEPTACLE	
EF-H818B	Exhaust Fan	Rail Car Encl Roof	1.0HP	0.75kW	600/3	12B	1	FVNR				*	*	3MCP				3/C#12 TECK		CSA 12		CONTROLS WIRED TO BAS LCP	
EF-H819B	Exhaust Fan	Rail Car Encl Roof	1.0HP	0.75kW	600/3	12A	1	FVNR				*	*	3MCP				3/C#12 TECK		CSA 12		CONTROLS WIRED TO BAS LCP	
UH-H820A	Hydronic Unit Heater	Aqua Ammonia Room	0.25HP		208/1									15A-2P	PP-S201	21,23		2/C#12 TECK		CSA 4			
EF-H820C	Emergency Exhaust Fan	Aqua Ammonia Rm	0.5HP	0.37kW	600/3	12B	1	FVNR				*	*	3MCP				3/C#12 TECK		CSA 4		CONTROLS WIRED TO BAS LCP	
UH-H821A	Hydronic Unit Heater	Sodium Hydroxide Rm	0.25HP		120/1									15A-1P	PP-S202	21		2/C#12 TECK		CSA 4			
EF-H821C	Emergency Exhaust Fan	Sodium Hydroxide Rm	1.5HP	1.1kW	600/3	12A	1	FVNR				*	*	15A-3P				3/C#12 TECK		CSA 4		CONTROLS WIRED TO BAS LCP	
UH-H822A	Hydronic Unit Heater	Stairwell	Frac		120/1									15A-1P	PP-S202	25		2/C#12 TECK		CSA 1			
UH-H823A	Hydronic Unit Heater	Mechanical Room	0.50HP		208/1									15A-2P	PP-S201	25,27		2/C#12 TECK		CSA 12			
UH-H824A	Emergency Hydronic Unit Heater	Sulphuric Acid Room	0.50HP		208/1									15A-2P	PP-S202	27,29		2/C#12 TECK		CSA 4			
EF-H824C	Emergency Exhaust Fan	Sulphuric Acid Rm Roof	1.0HP	0.75kW	600/3	12B	1	FVNR				*	*	15A-3P				3/C#12 TECK		CSA 4		CONTROLS WIRED TO BAS LCP	
UH-H825A	Emergency Hydronic Unit Heater	Ferric Chloride Room	0.50HP		208/1									15A-2P	PP-S201	59,61		2/C#12 TECK		CSA 4			
EF-H825C	Emergency Exhaust Fan	Ferric Chloride Rm Roof	1.5HP	1.1kW	600/3	12A	1	FVNR				*	*	15A-3P				3/C#12 TECK		CSA 4		CONTROLS WIRED TO BAS LCP	
AHU-H828A	Control Room Electric Heater	Control Room		15kW	600/3									15A-3P	DP-S202	2,4,6		3/C #10 TECK		CSA 12		CONTROLS WIRED TO BAS LCP	
CJ-H828A	Control Room Condensing Unit	Rail Car Encl		7.8kW	600/3									15A-3P	DP-S202	7,9,11		3/C#12 TECK		CSA 12		CONTROLS WIRED TO BAS LCP	
SF-H828A																							