

EQUIPMENT CONNECTION SCHEDULE																				
EQUIPMENT DESCRIPTIONS			ELECTRICAL CHARACTERISTICS							CONNECTION CHARACTERISTICS					FEEDER CHARACTERISTICS			PANEL INFORMATION	-	-
TAG	DESCRIPTION	LOCATION	KW	HP	FLA	MCA	MOCp	VOLTS	PHASE	VFD	1-POINT CONNECT	STARTER DIVISION	DISCONNECT DIVISION	GENERATOR BACKUP POWER REQUIRED	CONDUIT DIA (INCH)	PHASE CONDUCTORS	GROUND CONDUCTOR	PANEL NAME	STARTER SIZING	NOTES
PLUMBING																				
RHWP-R-1	RECIRCULATION HW PUMP	NORTH ROOF		1/2				120	1	N	Y	-	26	N	3/4"	2#12	#12	NLPB13A		
RHWP-R-2	RECIRCULATION HW PUMP (KITCHEN)	NORTH ROOF		3/4				120	1	N	Y	-	26	N	3/4"	2#12	#12	NLPB13A		
RHWP-2-1	RECIRCULATION HW PUMP	LEVEL 2		1/12				120	1	N	Y	-	26	N	3/4"	2#12	#12	NL2B14B		
RHWP-3-1	RECIRCULATION HW PUMP	LEVEL 3		1/12				120	1	N	Y	-	26	N	3/4"	2#12	#12	NL3B24B		
TP-1	ELECTRONIC TRAP PRIMING MANIFOLD	MULTIPLE						120	1	N	Y	-	26	N	3/4"	2#12	#12	NEARBY POWER PANEL		1
DWBP-1-1	DUPLEX DOMESTIC BOOSTER PUMP	LEVEL 1		(3) @ 15	68.25			480	3	Y	Y	22	22	N	1-1/2"	3#20 AL	#4 AL	NH1D11A		
GWH-R-1	GAS WATER HEATER	NORTH ROOF					20	120	1	N	Y	-	26	N	3/4"	2#12	#12	NLPB13A		
GWH-R-2	GAS WATER HEATER	NORTH ROOF					20	120	1	N	Y	-	26	N	3/4"	2#12	#12	NLPB13A		
GWH-R-3	GAS WATER HEATER (KITCHEN)	NORTH ROOF					20	120	1	N	Y	-	26	N	3/4"	2#12	#12	NLPB13A		
GWH-R-4	GAS WATER HEATER (KITCHEN)	NORTH ROOF					20	120	1	N	Y	-	26	N	3/4"	2#12	#12	NLPB13A		
EW-C-1	ELECTRIC WATER COOLER	MULTIPLE			5.00			120	1	N	Y	-	-	N	3/4"	2#12	#12	NEARBY POWER PANEL		1
ESP-1	ELEVATOR SUMP PUMP	LEVEL 1		1/2				120	1	N	Y	-	-	N	3/4"	2#12	#12	NL1B24B		2
OSS	OIL SMART ALARM & SWITCH	LEVEL 1						120	1	N	Y	-	-	N	3/4"	2#12	#12	NL1B24B		2
ESP-2	ELEVATOR SUMP PUMP	LEVEL 1		3/4				120	1	N	Y	-	-	N	3/4"	2#12	#12	NL1B24B		2
OSS	OIL SMART ALARM & SWITCH	LEVEL 1						120	1	N	Y	-	-	N	3/4"	2#12	#12	NL1B24B		2
ESP-3	ELEVATOR SUMP PUMP	LEVEL 1		3/4				120	1	N	Y	-	-	N	3/4"	2#12	#12	NL1B14B		2
OSS	OIL SMART ALARM & SWITCH	LEVEL 1						120	1						3/4"	2#12	#12	NL1B14B		2
ESP-4	ELEVATOR SUMP PUMP	LEVEL 1		1 1/2				208	3	N	Y	-	-	N	3/4"	3#12	#12	NL1B11A		3
ESP-5	ELEVATOR SUMP PUMP	LEVEL 1		3/4				120	1	N	Y	-	-	N	3/4"	2#12	#12	NL1B11A		2
OSS	OIL SMART ALARM & SWITCH	LEVEL 1						120	1	N	Y	-	-	N	3/4"	2#12	#12	NL1B11A		2
																			0	
MMV-R-1	MIXING VALVE	NORTH ROOF			5.00			120	1	N	Y	-	26	N	3/4"	2#12	#12	NLPB13A		
MMV-R-2	MIXING VALVE (KITCHEN)	NORTH ROOF			5.00			120	1	N	Y	-	26	N	3/4"	2#12	#12	NLPB13A		
HEAT TRACES																				
HT-1-01	HEAT TRACE	NORTH UNDERGROUND GREASE MAIN	1.36					208	1	N	Y	-	-	Y	3/4"	2#12	#12	NL1B24B		
HT-1-02	HEAT TRACE	NORTH UNDERGROUND GREASE MAIN	1.39					208	1	N	Y	-	-	Y	3/4"	2#12	#12	NL1B24B		
HT-1-03A	HEAT TRACE	ABOVE GROUND GREASE MAIN	1.39					208	1	N	Y	-	-	Y	3/4"	2#12	#12	NL2B14B		
HT-1-03B	HEAT TRACE	ABOVE GROUND GREASE MAIN	1.39					208	1	N	Y	-	-	Y	3/4"	2#12	#12	NL2B14B		
HT-1-04	HEAT TRACE	ABOVE GROUND GREASE MAIN	1.20					208	1	N	Y	-	-	Y	3/4"	2#12	#12	NL2B14B		

GENERAL NOTES: (SOME MAY NOT BE USED ON THIS SHEET)

- A. REFER TO ONE-LINE DIAGRAM OR PANEL SCHEDULES FOR OVERCURRENT PROTECTION CHARACTERISTICS AND CIRCUIT NUMBERS.
- B. COORDINATE EQUIPMENT CONNECTION REQUIREMENTS WITH INSTALLING CONTRACTOR PRIOR TO THE INSTALLATION OF ANY ELECTRICAL WORK.
- C. VFD'S ARE FURNISHED BY DIVISION 23. INSTALL VFD AND PROVIDE LINE AND LOAD SIDE FEEDERS IN ELECTRICAL WORK.
- D. LOCATE COMBINATION STARTER/DISCONNECTS AND DISCONNECT SWITCHES WITHIN SIGHT OF AND ADJACENT TO EQUIPMENT SERVED. COORDINATE DISCONNECT INSTALLATION AND LOCATION WITH EQUIPMENT INSTALLER.
- E. NOT ALL EQUIPMENT IDENTIFIED HERE IS SHOWN ON FLOOR PLANS. REFER TO DRAWINGS IN OTHER DISCIPLINES FOR EQUIPMENT LOCATIONS.
- F. CONDUCTORS ARE COPPER UNLESS OTHERWISE NTED.

NOTES: (SOME MAY NOT BE USED ON THIS SHEET)

1. REFER TO FLOOR PLANS FOR CIRCUITING INFORMATION.
2. EQUIPMENT IS CORD CONNECTED TO DUPLEX RECEPTACLES.
3. PROVIDE CONNECTION TO CONTROL PANEL.

EQUIPMENT CONNECTION SCHEDULE																					
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TAG	DESCRIPTION	LOCATION	KW	HP	FLA	MCA	MOCp	VOLTS	PHASE	VFD	1-POINT CONNECT	STARTER DIVISION	DISCONNECT DIVISION	GENERATOR BACKUP POWER REQUIRED	CONDUIT DIA (INCH)	PHASE CONDUCTORS	GROUND CONDUCTOR	PANEL NAME	STARTER SIZING	NOTES	
	ELEVATOR																				
PE-01	PASSENGER ELEVATOR			29	54.40		80	480	3	N	Y	26	26	Y	1-1/4"	3#3	#8	SHPB42B			
	- CAR LIGHT AND FAN				16.00		20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	EL7B13A			
	- HEATING AND COOLING CIRCUIT		1.80				20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	SLPB12B			
PE-02	PASSENGER ELEVATOR			29	54.40		80	480	3	N	Y	26	26	Y	1-1/4"	3#3	#8	SHPB42B			
	- CAR LIGHT AND FAN				16.00		20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	EL7B13A			
	- HEATING AND COOLING CIRCUIT		1.80				20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	SLPB12B			
PE-03	PASSENGER ELEVATOR			29	54.40		80	480	3	N	Y	26	26	Y	1-1/4"	3#3	#8	SHPB42B			
	- CAR LIGHT AND FAN				16.00		20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	EL7B13A			
	- HEATING AND COOLING CIRCUIT		1.80				20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	SLPB12B			
PE-04	PASSENGER ELEVATOR			29	54.40		80	480	3	N	Y	26	26	Y	1-1/4"	3#3	#8	SHPB42B			
	- CAR LIGHT AND FAN				16.00		20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	EL7B13A			
	- HEATING AND COOLING CIRCUIT		1.80				20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	SLPB12B			
PE-05	PASSENGER ELEVATOR			29	54.40		80	480	3	N	Y	26	26	Y	1-1/4"	3#3	#8	SHPB52B			
	- CAR LIGHT AND FAN				16.00		20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	EL7B23A			
	- HEATING AND COOLING CIRCUIT		1.80				20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	SLPB22B			
PE-06	PASSENGER ELEVATOR			29	54.40		80	480	3	N	Y	26	26	Y	1-1/4"	3#3	#8	SHPB52B			
	- CAR LIGHT AND FAN				16.00		20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	EL7B23A			
	- HEATING AND COOLING CIRCUIT		1.80				20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	SLPB22B			
PE-07	PASSENGER ELEVATOR			29	54.40		80	480	3	N	Y	26	26	Y	1-1/4"	3#3	#8	SHPB52B			
	- CAR LIGHT AND FAN				16.00		20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	EL7B23A			
	- HEATING AND COOLING CIRCUIT		1.80				20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	SLPB22B			
PE-08	PASSENGER ELEVATOR			29	54.40		80	480	3	N	Y	26	26	Y	1-1/4"	3#3	#8	SHPB52B			
	- CAR LIGHT AND FAN				16.00		20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	EL7B23A			
	- HEATING AND COOLING CIRCUIT		1.80				20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	SLPB22B			
SE-01	SERVICE ELEVATOR			34	62.10		90	480	3	N	Y	26	26	Y	1-1/4"	3#3	#8	SHPB42B			
	- CAR LIGHT AND FAN				16.00		20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	EL7B23A			
	- HEATING AND COOLING CIRCUIT		1.80				20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	SLPB12B			
SE-02	SERVICE ELEVATOR			34	80.50		125	480	3	N	Y	26	26	Y	1-1/2"	3#20 AL	#4 AL	SHPB52B			
	- CAR LIGHT AND FAN				16.00		20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	EL7B13A			
	- HEATING AND COOLING CIRCUIT		1.80				20	120	1	N	Y	-	26	Y	3/4"	2#12	#12	SLPB22B			

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1. REFER TO FLOOR PLANS FOR CIRCUITING INFORMATION.



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LUMA

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△	Date	Description
	12/16/2022	INTERIORS 100% DESIGN DEVELOPMENT
	02/03/2023	CONSOLIDATED PROGRESS SET
	05/02/2023	PROGRESS SET
	12/22/2023	CD PROGRESS SET FOR PERMIT AND PRICING
	02/22/2024	CD - MEP BID SET
	03/29/2024	Issue for Permit
1	10/11/2024	ISSUE FOR CONSTRUCTION

Seal / Signature

Project Name

MICRON BUILDING B42

Project Number

22-1717

Description

SCHEDULES - ELECTRICAL

Scale

NOT TO SCALE

E0.207

City of Boise Stamps