EQUIPMENT CONNECTION SCHEDULE																			
	EQUIPMENT DESCRIPTIONS		ELECTRICAL	CHARACTERISTICS						CONNECTION	N CHARACTERISTICS			FEEDER CHARACTERISTI	CS	PANEL INFORMATION	-	-	
TAG	DESCRIPTION	LOCATION KW	HP	FLA	MCA	MOCP	VOLTS	PHASE	VFD	1-POINT CONNECT	STARTER DIVISION	DISCONNECT DIVISION	GENERATOR BACKUP PO REQUIRED	OWER CONDUIT DIA (INCH)	PHASE CONDUCTORS	GROUND CONDUCTOR	PANEL NAME	STARTER SIZING	NOTES
	MECHANICAL																		
AHU-R-01	AIR HANDLING UNIT	NORTH ROOF		144.00	168.00		480	3	Υ	Y	23	23	Y	2-1/2"	3#350 KCMIL AL	#2 AL	SHPD11A		
AHU-R-02	AIR HANDLING UNIT	NORTH ROOF		144.00	168.00		480	3	Y	Y	23	23	N	2-1/2"	3#350 KCMIL AL	#2 AL	NHPD23A		
AHU-R-03 AHU-R-04	AIR HANDLING UNIT AIR HANDLING UNIT	NORTH ROOF NORTH ROOF		144.00 144.00	168.00 168.00		480 480	3	Y	Y	23	23	Y	2-1/2" 2-1/2"	3#350 KCMIL AL 3#350 KCMIL AL	#2 AL #2 AL	SHPD11A NHPD23A		
AHU-R-05	AIR HANDLING UNIT	SOUTH ROOF		144.00	168.00		480	3	Y	Y	23	23	Y	2-1/2"	3#350 KCMIL AL	#2 AL	SHPD21A		
AHU-R-06	AIR HANDLING UNIT	SOUTH ROOF		144.00	168.00		480	3	Y	Y	23	23	N	2-1/2"	3#350 KCMIL AL	#2 AL	NHPD12B		
AHU-R-07	AIR HANDLING UNIT	SOUTH ROOF		144.00	168.00		480	3	Y	Y	23	23	Y	2-1/2"	3#350 KCMIL AL	#2 AL	SHPD21A	3/2	
AHU-R-08 AHU-01-01	AIR HANDLING UNIT AUDITORIUM AIR HANDLING UNIT	SOUTH ROOF LEVEL 1 NORTH		144.00 23.00	168.00 26.00		480 480	3	Y	Y	23	23	N	2-1/2" 3/4"	3#350 KCMIL AL 3#8	#2 AL #10	NHPD12B SH2B22B	RFI281	
A110-01-01	AODITORION AIRTIANDEINO ONT	LEVEL THORATT		20.00	20.00		400		'	1	20	20	'	JI4	Office	#10	OT IZDZZD		
																~~~~		S RFI #0229	
CH-R-01 CH-R-02	AIR COOLED CHILLER  AIR COOLED CHILLER	NORTH ROOF  NORTH ROOF		650 650	812 812	1000	480 480	3	Y	Y	23	23	N N	(4) 2-1/2"	(12) 500 KCMIL AL	(4) 250 KCMIL AL	42-SWB-03A 42-SWB-04B	7	
CH-R-03	AIR COOLED CHILLER	NORTH ROOF		650	812	1000	480	3	Y	Y	23	23	N	(4) 2-1/2" (4) 2-1/2"	(12) 500 KCMIL AL (12) 500 KCMIL AL	(4) 250 KCMIL AL (4) 250 KCMIL AL	42-SWB-04B	$\mathcal{L}$	
CH-R-04	AIR COOLED CHILLER	NORTH ROOF		114	143	175	480	3	Y	Y	23	23	Y	2"	3#4/0 AL	1#4 AL	SH1D12B		
D D 04	DOIL ED	NODTU DUMD DOOM		45.00			400		V	V	00	00	V				OLIDDOOD.		
B-R-01 B-R-02	BOILER BOILER	NORTH PUMP ROOM  NORTH PUMP ROOM		15.00 15.00			480 480	3	Y	Y	23	23	Y	3/4"	3#12 3#12	#12 #12	SHPB22B SHPB22B		
B-R-03	BOILER	NORTH PUMP ROOM		15.00			480	3	Y	Y	23	23	Y	3/4"	3#12	#12	SHPB22B		
B-R-04	BOILER	NORTH PUMP ROOM		15.00			480	3	Y	Υ	23	23	Y	3/4"	3#12	#12	SHPB22B		
DC-R-01	DRY COOLER	NORTH ROOF		28.00	35.00		480	3	N	Y	23	23	Y	3/4"	3#6	#10	SHPB22B		
SHHWP-R-01	SECONDARY BUILDING HHWS PUMP	NORTH PUMP ROOM	20	40.00			480	2	V	V	22	23	V	4"	3#4	#8	SHPB22B		
SHHWP-R-02	SECONDARY BUILDING HHWS PUMP	NORTH PUMP ROOM  NORTH PUMP ROOM	30	40.00			480	3	Y	Y	23	23	Y	1"	3#4	#8	SHPB22B		
SHHWP-R-03	SECONDARY BUILDING HHWS PUMP	NORTH PUMP ROOM	30	40.00			480	3	Υ	Y	23	23	N	1"	3#4	#8	NHPB13A		
SCHWP-R-01	SECONDARY BUILDING CHWS PUMP	NORTH PUMP ROOM	50	65.00			480	3	Y	Y	23	23	N	1-1/2"	3#2/0 AL	#4 AL	NHPD23A		
SCHWP-R-02 SCHWP-R-03	SECONDARY BUILDING CHWS PUMP SECONDARY BUILDING CHWS PUMP	NORTH PUMP ROOM  NORTH PUMP ROOM	50	65.00 65.00			480 480	3	Y	Y	23	23	N N	1-1/2"	3#2/0 AL 3#2/0 AL	#4 AL #4 AL	NHPD23A NHPD23A		
PDCP-R-01-01	PRIMARY 24/7 COOLING LOADS PUMP	NORTH ROOF	1.5	3.00			480	3	Y	Y	23	23	Y	3/4"	3#12	#12	SHPB22B		
PDCP-R-01-02	PRIMARY 24/7 COOLING LOADS PUMP	NORTH ROOF	1.5	3.00			480	3	Y	Y	23	23	Y	3/4"	3#12	#12	SHPB22B		
SCHWP-R-04	SECONDARY 24/7 COOLING LOADS PUMP	NORTH PUMP ROOM	1.5	3.00			480	3	Y	Y	23	23	Y	3/4"	3#12	#12	SHPB22B		
PBP-R-01 PBP-R-02	PRIMARY BOILER PRIMARY PUMP PRIMARY BOILER PRIMARY PUMP	NORTH PUMP ROOM  NORTH PUMP ROOM	7.5 7.5	11.00 11.00			480 480	3	Y	Y	23	23	Y	3/4"	3#12 3#12	#12 #12	SHPB22B SHPB22B		
PBP-R-03	PRIMARY BOILER PRIMARY PUMP	NORTH PUMP ROOM	7.5	11.00			480	3	Υ	Y	23	23	Y	3/4"	3#12	#12	SHPB22B		
PCHP-R-01-01 PCHP-R-01-02	PRIMARY CHILLER PRIMARY PUMP PRIMARY CHILLER PRIMARY PUMP	NORTH ROOF  NORTH ROOF	15	21.00 21.00			480 480	3	Y	Y	23	23	N N	3/4"	3#8 3#8	#10 #10	NHPB13A NHPB13A		
PCHP-R-02-01	PRIMARY CHILLER PRIMARY PUMP	NORTH ROOF	15	21.00			480	3	Y	Y	23	23	N	3/4"	3#8	#10	NHPB13A		
PCHP-R-02-02 PCHP-R-03-01	PRIMARY CHILLER PRIMARY PUMP PRIMARY CHILLER PRIMARY PUMP	NORTH ROOF  NORTH ROOF	15	21.00 21.00			480 480	3	Y	Y	23	23	N	3/4"	3#8 3#8	#10 #10	NHPB13A NHPB13A		
PCHP-R-03-02	PRIMARY CHILLER PRIMARY PUMP	NORTH ROOF	15	21.00			480	3	Y	Y	23	23	N	3/4"	3#8	#10	NHPB13A		
KEF-R-01	KITCHEN EXHAUST FAN	PENTHOUSE ROOF	5.0	7.60			480	3	Y	Υ	23	23	N	3/4"	3#12	#12	NHPB13A		
KEF-R-02	KITCHEN EXHAUST FAN	PENTHOUSE ROOF	2.0	3.40			480	3	Y	Y	23	23	N	3/4"	3#12	#12	NHPB13A		
KEF-R-03 KEF-R-04	KITCHEN EXHAUST FAN KITCHEN EXHAUST FAN	PENTHOUSE ROOF  NORTH ROOF	3.0	4.80 4.80			480 480	3	Y	Y	23	23	N N	3/4"	3#12 3#12	#12 #12	NHPB13A NHPB13A		
KEF-R-05	KITCHEN EXHAUST FAN	NORTH ROOF	7.5	11.00			480	3	Y	Y	23	23	N	3/4"	3#12	#12	NHPB13A		
KEF-R-06 KEF-R-07	KITCHEN EXHAUST FAN KITCHEN EXHAUST FAN	PENTHOUSE ROOF  PENTHOUSE ROOF	7.5 7.5	11.00 11.00			480 480	3	Y	Y	23	23	N N	3/4"	3#12 3#12	#12 #12	NHPB13A NHPB13A		
KEF-R-08	KITCHEN EXHAUST FAN	PENTHOUSE ROOF	5.0	7.60			480	3	Y	Y	23	23	N	3/4"	3#12	#12	NHPB13A		
KEF-R-09	KITCHEN EXHAUST FAN	PENTHOUSE ROOF	1/4	1.10			480	3	Y	Y	23	23	N	3/4"	3#12	#12	NHPB13A		
VEF-R-01 VEF-R-02	VAPOR EXHAUST FAN  VAPOR EXHAUST FAN	PENTHOUSE ROOF  NORTH ROOF	2	3.40 3.40			480 480	3	Y	Y	23	23	N N	3/4"	3#12 3#12	#12 #12	NHPB13A NHPB13A		
VEF-R-03	VAPOR EXHAUST FAN	PENTHOUSE ROOF	3/4	1.60			480	3	Y	Y	23	23	N	3/4"	3#12	#12	NHPB13A		
VEF-R-04 SFEF-R-01	VAPOR EXHAUST FAN SOLID FUEL EXHAUST FAN	PENTHOUSE ROOF PENTHOUSE ROOF	5.0	2.10 7.60			480 480	3	Y	Y	23	23	N N	3/4"	3#12 3#12	#12 #12	NHPB13A NHPB13A		
SPF-R-01	STAIR PRESSURIZATION FAN	PENTHOUSE ROOF	5.0	7.60			480	3	N	Y	26	26	Y	3/4"	3#12	#12	SHPB32B	0	
SPF-R-02 SPF-R-03	STAIR PRESSURIZATION FAN STAIR PRESSURIZATION FAN	PENTHOUSE ROOF SOUTH ROOF	5.0 5.0	7.60 7.60			480 480	3	N N	Y	26	26	Y	3/4"	3#12 3#12	#12 #12	SHPB32B SHPB12B	0	
SPF-R-04	STAIR PRESSURIZATION FAN	SOUTH ROOF	5.0	7.60			480	3	N	Y	26	26	Y	3/4"	3#12	#12	SHPB12B	0	
TEF-R-01 TEF-R-02	TOILET EXHAUST FAN TOILET EXHAUST FAN	NORTH ROOF SOUTH ROOF	5.0 7.5	7.60 11.00			480 480	3	N N	Y	26	26	N N	3/4"	3#12 3#12	#12 #12	NHPB13A NHPB12B	0	
EF-01-01	LOADING DOCK EXHAUST FAN	NORTH LOADING DOCK	3/4	1.60			480	3	Y	Y	23	23	Y	3/4"	3#12	#12	SH2B22B		
EF-01-02 EF-01-03	LOADING DOCK EXHAUST FAN  UPS EXHAUST FAN	SOUTH LOADING DOCK  UPS CORRIDOR	1.0	2.10 5.40	6.75		480 208	1	Y ECM	Y	23	23 23	Y	3/4"	3#12 2#12	#12 #12	SH2B12B SL2B12B		
TF-01-01 TF-01-02	KITCHEN MAKE-UP AIR FAN KITCHEN MAKE-UP AIR FAN	LEVEL 1 GRILL BOH LEVEL 1 GRILL BOH	1.5	3.40 3.00			480 480	3	Y	Y	23	23	N N	3/4"	3#12 3#12	#12 #12	NH1B14B NH1B14B		
TF-01-03	KITCHEN MAKE-UP AIR FAN	LEVEL 1 BBQ REST	0.75	4.80			480	3	Y	Y	23	23	N N	3/4"	3#12	#12	NH1B14B		
TF-01-04 TF-01-05	KITCHEN MAKE-UP AIR FAN KITCHEN MAKE-UP AIR FAN	LEVEL 1 BBQ REST  LEVEL 1 BBQ REST	1.0 0.33				480 480	3	Y	Y	23	23	N	3/4" 3/4"	3#12 3#12	#12 #12	NH1B14B NH1B14B		
TF-01-05 TF-02-01	KITCHEN MAKE-UP AIR FAN KITCHEN MAKE-UP AIR FAN	LEVEL 1 BBQ REST  LEVEL 2 MAIN KITCHEN	3.0	7.60			480	3	Y	Y	23	23	N N	3/4"	3#12 3#12	#12	NH1B14B NH2B14B		
TF-02-02	KITCHEN MAKE-UP AIR FAN	LEVEL 2 BAKERY	1.0	3.40			480	3	Y	Y	23	23	N	3/4"	3#12	#12	NH2B14B		
TF-02-03 TF-02-04	KITCHEN MAKE-UP AIR FAN KITCHEN MAKE-UP AIR FAN	LEVEL 2 DISH WASH  LEVEL 2 BREAKFAST	1.5	3.00 3.00			480 480	3	Y	Y	23	23	N N	3/4"	3#12 3#12	#12 #12	NH2B14B NH2B14B		
TF-02-05	KITCHEN MAKE-UP AIR FAN	LEVEL 2 ASIAN/INDIAN	3.0	7.60			480	3	Υ	Y	23	23	N ·	3/4"	3#12	#12	NH2B14B		
TF-02-06 TF-02-07	KITCHEN MAKE-UP AIR FAN KITCHEN MAKE-UP AIR FAN	LEVEL 2 PACIFIC RIM  LEVEL 2 CHEFS TABLE	3.0	1.60 3.40			480	3	Y	Y	23 23	23 23	N N	3/4"	3#12 3#12	#12 #12	NH2B14B NH2B14B		
GT-R-01 GT-R-02	GLYCOL MIXING TANK GLYCOL MIXING TANK	NORTH ROOF PUMP ROOM  NORTH ROOF PUMP ROOM		5.60 5.60	6.40 6.40		120 120	1 1	N N	Y	-	26 26	N N	3/4"	2#12 2#12	#12 #12	NLPB13A NLPB13A		

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.

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11/18/2022 INTERIORS 50% DESIGN DEVELOPMENT 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 ISSSUE FOR CONSTRUCTION 2 12/06/2024 BULLETIN #1

Seal / Signature

MICRON BUILDING B42

**Project Number** 

22-1717

**SCHEDULES - ELECTRICAL** 

NOT TO SCALE

E0.208

City of Boise Stamps