	LOCATION: SUPPLY FROM: MOUNTING: ENCLOSURE:	su	VOLTS: 208/120 Wye PHASES: 3 WIRES: 4 SUB FEED LUGS: No						A.I.C. RATING: 35kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800						
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (V)		B (VA)	(V.		POLES	TRIP (A)	LOAD CLASS.	CIRCU	IT DESCRIPTION	СК
1 3 5	NL2B21A	Spare; PNON; PREC	225	3	19,940		21,340	20,480							4
7 9 11	NL2B11A	Spare; PNON; PREC	225	3	25,140		26,020	21,740							1
13 15	NL2B31A	PNON; PREC	225	3	3,360		2,220								1
17 19 21								2,220							1 2 2
23 25 27															2 2 2
29 31 33															3 3 3
35 37 39															3 3
41		TO	ΓAL LO	AD (VA):	48,4	140	49,580	44,4	440						4
		TC	OTAL LO	DAD (A):	40	9	418	37	70						
LOAD (PNON					LOAD		AND FACTOR 100.00%	CALC	ULATED 30,140		D		PANEL	TOTALS	
PREC				12,320 V			54.45%		61,160					142,460 VA	
												CALCULATED D	NECTED:	<u> </u>	
											(CALCULATED D			
NOTES	:														

	LOCATION: ELI SUPPLY FROM: NL: MOUNTING: SU ENCLOSURE: NE			SI	P	HASES: WIRES:	4		A.I.C. RATING: 14kA BUS RATING: 225 A MAINS TYPE: MCB MCB RATING: 225						
KT	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	(V	A 'A)	(V	B 'A)		C 'A)	POLES	TRIP (A)	CLASS.	CIRCUIT DESCRIPTION	CI
1 3 5	2147 - 60QT MIXER	LCK	20	3	1,200	1,000	1,200		1,200	1,000	1 1	20 20	LCK LCK	2134 - CONVECTION OVEN [SHUNT FOR CKT 2.] 2134 - CONVECTION OVEN	2
7 9	2028 - SINGLE WIDE PROOF BOX	LCK	20	2	1,650		1,650	1,000	1,200	1,000	1 1	 20	LCK	[SHUNT FOR CKT 6.] 2134 - CONVECTION OVEN	1
11	2127 - ROTATING RACK OVEN	LCK	20	2	900	1,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	900		1	20	LCK	[SHUNT FOR CKT 10.] 2134 - CONVECTION OVEN	1
15	2127.1, 2128.1 - CONTROLS CIRCUIT	LCK	20	1	300	1,000	360				1			[SHUNT FOR CKT 14.]	1
7 9	2152 - BAKERS TABLE PLUGS	LCN	20	2	600	600			600	600	2	20	LCN	2141 - PREP TABLE PLUGS	1 2
	2152 - BAKERS TABLE PLUGS	LCN	20	1	000	000	180	180			1	20	LCN	2141 - PREP TABLE PLUGS	2
23 25	2155 - WORK TABLE PLUGS	LCN	20	2	600	467			600	467	3	20	LCK	2153 - DOUGH DIVIDER	2
27	2163 - UC REFRIGERATORS	LCN	20	1	000	407	600	467					LUN	2 100 - DOOGH DIVIDEN	2
	2165 - WORK TABLE PLUGS	LCN	20	1	600	600			360	600	2	20	LCN	2183 - BAKERY DISPLAY	3
31 33	2165 - WORK TABLE PLUGS	LCN	20	2	600	600	600	600			1	20	LCK	2161 - TABLE TOP SHEETER	3
35	2167 - REFRIGERATED DISPLAY CASE	LCK	20	2	4.0=0				1,250	1,400	1	20	LCN	2197 - REFRIGERATED CASE	3
37 39	2170 - WORK TABLE PLUGS	LCN	20	1	1,250	700	360	2,100			1 1	20	LCN LCN	2191 - REFRIGERATED PREP TABLE 2193 - HOLDING CABINET	3
! 1	2170 - WORK TABLE PLUGS	LCN	20	2			000	2,100	600	900	1	20	LCK	2194 - DROP-IN HEAT SHELF	4
13				1	600	180	900	360			1	20	LCN	2196 - POS REGISTER (DEDICATED)	4
	2171, 2174, 2182 2173 - WAFFLE CONE MAKER	LCN LCN	20 20	1 1			800	360	1,400	1,200	1	20	LCN	2189, 2190 - WORK COUNTER PLUGS	4
	2173 - WAFFLE CONE MAKER	LCN	20	1	1,400	1,200			.,	.,	2	20	LCN	2189, 2190 - WORK COUNTER PLUGS	5
51 53	2175 - ESPRESSO MACHINE	LCN	30	2			2,500	500	2,500	1,500	1 1	20 20	LCK LCK	2201 - HOOD LIGHTS 2202 - COOKLINE RANGE SUITE	5
	2181 - POS REGISTER (DEDICATED)	LCN	20	1	180				2,500	1,500	1			[SHUNT FOR CKT 54]	5
57	2185, 2186 - REFRIGERATED DISPLAY	LCN	20	1			1,380	1,800			1	20	LCK	2137 - TILT SKILLETS	5
	2183 - BAKERY DISPLAY 2132 - EXHAUST HOOD	LCN LCK	20 20	1 1	500	360			180		1 1	20	LCN	[SHUNT FOR CKT 58.] 2155 - WORK TABLE PLUGS	6
	2198 - DUAL TEMP REACH IN	LCN	20	1	000	000	600	1,000			1	20	LCN	2157 - 20QT MIXER	6
	2198 - DUAL TEMP REACH IN	LCN	20	1					600	1,200	1	20	LCK	2204 - HOOD CONTROL PANEL	6
	2138 - FIRE SUPPRESSION	LCK	20	1	1,200	1,000					1	20	LCK	2205 - FIRE SUPPRESSION	6
	2139 - HOOD CONTROL PANEL	LCK	20	1			1,200		0		1 1			Space	7
	SPARE SPARE		20 20	1	0				0		1 1			Space Space	7
	SPARE		20	1	U		0				1			Space	$+\frac{7}{7}$
	SPARE		20	1					0		1			Space	
	SPARE		20	1	0						1			Space	1
	SPARE		20	1			0				1			Space	3
33	SPARE		20	1 1	47	707	40	407	0		1			Space	- 8
				AD (VA): DAD (A):		787 48	•	437 64	,	057 60	-				
			OTAL L	JAD (A).	14	+0	10		10						-
AD (CLASSIFICATION		CON	NECTED	LOAD	DEM	AND FAC	CTOR	CALC	ULATE	DEMAN	D		DANIEL TOTAL O	
N				28,920 V	4		100.00%)		28,920	VA			PANEL TOTALS	
K			:	27,360 V	4		65.00%			17,784	VA			CONNECTED: 56,280 VA	
														ED DEMAND: 46,704 VA	
														CONNECTED: 156 A	
													CALCULATE	ED DEMAND: 130 A	
TES	:					1			l						

LOCATION: SUPPLY FROM: MOUNTING: ENCLOSURE:	SUB FE	VOLTS: 2 PHASES: 3 WIRES: 4 EED LUGS: 1	3 4	Wye			A.I.C. RATING: 22kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800 A						
CKT CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (VA)	B (VA		(V <i>i</i>		POLES	TRIP (A)	LOAD CLASS.	CIRCU	JIT DESCRIPTION
1 3 NL1D14B 5	PNON; PMTR; PREC	225	3	24,507	28,247		26,627						
7	PNON; PCON;	005		18,660	47.000		20,021						
9 NL1B24B	PREC	225	3		17,830		17,910						
13 NL1B34B	HVAC; PNON;	225	3	24,534	20,860								
17 19	LTG; PMTR;						13,978						
21													
23 25													
27 29													
31 33													
35													
37 39													
41	TO	TAL LO	AD (VA):	67,701	66,9	27	58,5	515					
			DAD (A):	575	569		48						
LOAD CLASSIFICATION		CONI	NECTED	LOAD DE	EMAND FAC	TOR	CALCI	ULATED	DEMAN	D		DANIE	
HVAC			13,524 VA		104.26%		14,100 VA						L TOTALS
PNON			12,270 VA 88,760 VA		125.00% 100.00%			15,338 88,760			ALCULATED		193,152 VA 179.136 VA
PMTR			15,638 VA	٨	117.75%			18,413	VA		CO	NNECTED:	536 A
PCON			1,360 VA 6,700 VA		125.00% 125.00%			1,700 \ 8,375 \		C	CALCULATED	DEMAND:	497 A
EVCH PREC			54,900 VA		59.11%			32,450					
NOTES:													

	LOCATION: ELE SUPPLY FROM: NL MOUNTING: SUI ENCLOSURE: NEI	IRE N10	1A	Sl	P	VOLTS: HASES: WIRES: D LUGS:	4	Wye		A.I.C. RATING: 22kA BUS RATING: 225 A MAINS TYPE: MLO MCB RATING: N/A						
CKT	CIRCUIT DESCRIPTION L5-20 - IDF LEVEL 1 NORTH	LOAD CLASS. PNON	TRIP (A) 20	POLES	A (VA) 1 1,500 3,350		B (VA)		(V.	- 1	POLES	TRIP (A)	LOAD CLASS.		UIT DESCRIPTION	CKT 2
3	L5-20 - IDF LEVEL 1 NORTH	PNON	20	1	1,500	3,330	1,500	3,350			2	40	EVCH	LEVEL 2 CHAF	RGING STATION	4
5	L5-20 - IDF LEVEL 1 NORTH	PNON	20	1	4.500	0			1,500	~~~	\sim	~46~	TEVCH-	KEVIKE 2 CHAP	REINGSTATION	~\$~
7 9	L5-20 - IDF LEVEL 1 NORTH REC - IDF LEVEL 1 NORTH	PNON PREC	20	1	1,500	0	720	1,475	\		1	20	LTG	120V LTG - AU	IDITORILIM	10
	REC - IDF LEVEL 1 NORTH	PREC	20	1			120	1,-110	720	1,475		20	LTG	120V LTG - AU		12
13	REC - IDF LEVEL 1 NORTH	PREC	20	1	720	1,475			}	•	1	20	LTG	120V LTG - AU	DITORIUM	14
	GUH-01-01	PMTR	20	1			528	1,475	1		1	20	LTG	120V LTG - AU		16
17 19	GUH-01-02	PMTR	20	1	4 000	1,246			180	1,475	1	20 20	LTG LTG	120V LTG - AU 120V LTG - AU		18 20
21	FOOD TRUCK RECEPTACLE	PNON	50	2	4,000	1,240	4,000	1,068			1	20	LTG	120V LTG - AU		22
23	FOOD TRUCK RECEPTACLE	PNON	50	2			.,000	.,000	4,000	CC.	سنسر	حتب	ستتب		mu	
25					4,000		100									26
	EVENT STAGE POWER EVENT STAGE POWER	PREC PREC	20	1			180		180							28 30
	BLUE LIGHT CALL STATION	PNON	20	1	500				100							32
33	BLUE LIGHT CALL STATION	PNON	20	1			500									34
	BLUE LIGHT CALL STATION	PNON	20	1	A =				500							36
37 39	FCU-01-15	PMTR	20	2	37		37									38 40
41		B. :==					31		37							40
43	FCU-01-14	PMTR	20	2	37				Ç,							44
	LEVEL 1 SECTOR C - 120V LTG	LTG	20	1			88									46
47 49	LEVEL 1 DINING AREA - 120V LTG	LTG LTG	20	1	384				81							48 50
	LEVEL 1 SECTOR B - 120V LIGHTING	LTG	20	1	J04		320									52
53	LTG	LTG	20	1					72							54
	LEVEL 2 SECTOR B - 120V NORTH	LTG	20	1	252		055									56
57 <u>-</u> 59	LEVEL 2 SECTOR C - RENDANT LIGHTING LEVEL 2 SECTOR C - LIGHTING	LTG	20 20		~	\sim	~855~	\sim	530	~	~					58 60
61	FCU-01-21	HVAC	30	1	2,304				550		1					62
63	FCU-01-22	HVAC	20	1			1,536				3					64
65	FCU-01-23	HVAC	15	1	024				924		1					66
	FCU-01-24 FCU-01-25	HVAC HVAC	15 20	1	924		924				1					68 70
	FCU-01-26	HVAC	30	1			324		2,304		7					72
73	FCU-01-27	HVAC	30	1	2,304						<u> </u>					74
75 77	FCU-01-28	HVAC	30	1			2,304				1					76
سهير	······································	~~~	~~	w	ىرىر	س	س	سب	w	M	مرب					78 80
81																82
83				AD (VA): DAD (A):	24,			860 83	13,9 11							84
OAD (CLASSIFICATION		CON	NECTED L	OAD	DEM	AND FAC	CTOR	CALC	ULATE	D DEMAN	ID		B411=	LTOTALO	
HVAC			,	13,524 VA			104.26%			14,10				PANE	L TOTALS	
_TG				12,270 VA			125.00%)		15,33	88 VA		C	ONNECTED:	59,372 VA	
PNON			2	23,500 VA			100.00%	.		23,50	00 VA	(D DEMAND:	•	
PMTR				858 VA			115.39%			990				ONNECTED:		
VCH				6,700 VA			125.00%			8,37		(CALCULATE	D DEMAND:	180 A	
PREC				2,520 VA			100.00%			2,520	0 VA					
	<u> </u>															

LOCATION: ELECTRICAL/FIRE S101K SUPPLY FROM: NL1D11A MOUNTING: SURFACE ENCLOSURE: NEMA-1						P	VOLTS: PHASES: WIRES: D LUGS:	3 4) Wye				A.I.C. RATING: 22kA BUS RATING: 225 A MAINS TYPE: MLO MCB RATING: N/A					
CKT	CIRCUIT DESCRIPTION	LOAD CLASS.			(V	A A)	B (VA)		C (VA)		POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	СК			
3	L5-20 - IDF LEVEL 1 SOUTH L5-20 - IDF LEVEL 1 SOUTH	PNON PNON	20	1	1,500	38	1,500	38			2	20	PMTR	FCU-01-07A	4			
5 7	L5-20 - IDF LEVEL 1 SOUTH L5-20 - IDF LEVEL 1 SOUTH	PNON PNON	20 20	1	1,500	38			1,500	38	2	20	PMTR	FCU-01-07B	6			
9	REC - IDF LEVEL 1 SOUTH	PREC	20	1	1,500	30	720	180			1	20	PMTR	GUH-01-03	8 10			
11 13 15	REC - IDF LEVEL 1 SOUTH REC - IDF LEVEL 1 SOUTH	PREC PREC	20 20	1 1	360	500	37	500	720	500	3	20	PMTR	LOADING DOCK DOOR	12 14 16			
17	FCU-01-16	PMTR	20	2	07				37						18			
19 21	FCU-01-17	PMTR	20	2	37		37								20			
23 25															2 ²			
27															28			
29 31															30			
33															34			
35 37															36			
39															40			
11 13															42			
45															46			
47 49															48 50			
51 53															52 54			
55															56			
57 59															58 60			
61															62			
63 65															64 66			
67															68			
69 71															70			
73															74			
75 77															76 78			
79 81															80 82			
83															84			
			OTAL LO)72 3	3,0		2,7									
DAD (CLASSIFICATION			NECTED 6,000 VA			AND FAC		CALC	ULATE 6,000	DEMAN VA	ID		PANEL TOTALS				
/TR				1,980 VA			118.94%			2,355				ONNECTED: 9,780 VA				
REC				1,800 VA	ı		100.00%			1,800	VA			D DEMAND: 10,155 VA ONNECTED: 27 A				
												(D DEMAND: 28 A				
OTES	•		1						I									

	LOCATION: ELI SUPPLY FROM: NL MOUNTING: SU ENCLOSURE: NE	1D11A RFACE	RE S10	1K	SI	P	VOLTS: 208/12 PHASES: 3 WIRES: 4 D LUGS: No	0 Wye				A.I.C. RATII BUS RATII MAINS TY MCB RATII	NG: 225 A PE: MLO		
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	(V	A 'A)	B (VA)	(V	C (A)	POLES	TRIP (A)	LOAD CLASS.	CIRCU	JIT DESCRIPTION	
	REC - XL COLLAB REC - XL COLLAB	PREC PREC	20	1 1	900		1,080								
5	REC - XL COLLAB	PREC	20	1			1,000	1,080							
	REC - XL COLLAB	PREC	20	1	720		1.000								
	REC - IT SUPPORT S104F REC - IT SUPPORT S104F	PNON PNON	20 20	1			1,000	1,000							
	REC - COLLAB S104J/BREAKOUT S104H	PREC	20	1	900			1,000							
15	REC - COLLAB S104J	PREC	20	1			1,440								
	REC - COLLAB N104K	PREC	20	1	700			1,080							
	REC - COLLAB N104K/N104L REC - SUPP/FURN/COLLAB S104D	PREC PREC	20	1 1	720		720								
	REC - COLLAB N104L	PREC	20	1			120	900							
25	REC - COLLAB N104M	PREC	20	1	900										
	REC - COLLAB S104D	PREC	20	1			1,080	700							
	REC - COLLAB N104M/BREAK S104A REC - BREAKOUT S104A	PREC PREC	20 20	1 1	720			720							
	REC - BREAKOUT S104A	PREC	20	1	120		720								
	REC - PANTRY S104B	PREC	20	1				900							
	REC - PANTRY S104B REC - PANTRY S104B	PNON; PREC		1	860		1,800								
	REC - XL COLLAB	PREC	20	1			1,000	720							
43	REC - FOCUS S105C/CO WORK	PREC	20	1	1,080										
	REC - CORRIDOR/RESPITE 1895	PREC	20	1			1,440	4.000							
	REC - FOCUS 105D/CO WORK REC - WELCOME S105F	PREC PREC	20	1	1,260			1,080							
	REC/REF - MOTHERS RM/RR	PNON; PREC		1	1,200		1,080								
	HAND DRYER	PNON	20	1			,	1,500							
	HAND DRYER REC - WOMENS RR/PRAYER	PNON PDEC	20	1	1,500		020								
	HAND DRYER	PNON; PREC	20 20	1			930	1,500							
61	HAND DRYER	PNON	20	1	1,500			.,							
	REC - CORRIDOR/MENS RR	PNON; PREC		1			870	700							
	REC - LOAD/F PUMP/DOM WTR/ELEC REC - XL COLLAB	PREC PREC	20	1	900			720							
69	LEVEL 2 SECTOR B - 120V SOUTH CORE	LTG	20	1			148								
	DEVELOS SECTOR BAWEST 1200	مريمان	120	₩		~~	\sim	1,158							
73 75	HT-1-01 CONTROLLER	PCON	20	2	850		850								
	······································	mm	~~	~~	m	u									
79															
81 83															
- 63	<u> </u>	TO	TAL LO	AD (VA):	12.	810	13,158	12.	 358						
				OAD (A):		07	110	1(
LOAD	CLASSIFICATION		CONI	NECTED	LOAD	DEM	AND FACTOR	CALC	ULATED	DEMAN	ID				
LTG				1,306 VA			125.00%		1,633 \		_		PANE	L TOTALS	
PNON				12,100 V			100.00%		12,100			CC	ONNECTED:	38,326 VA	
PCON				1,700 VA	4		125.00%		2,125 \	VA		CALCULATE		,	
PREC			:	23,220 V	A		71.53%		16,610	VA			ONNECTED:		
												CALCULATE	D DEMAND:	90 A	
											-				
NOTES															
1 PROV	: /IDE GFCI BREAKER FOR CIRCUIT {	SERVING DD	INKING	EOI INIT /	/IN										
	S. S. B. C. MERT OR OR OR OUT		10	. 551117											

8000 South Federal Way Boise ID 83707

Gensler
811 SW 6TH AVE
SUITE 300
PORTLAND, OR 97204

PAE

TEL 971.277.2370

Lumald.com

 Date
 Description

 11/18/2022
 CORE & SHELL 50% 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

 A 07/11/2024
 PLAN CHECK RESPONSE 1

 1 10/11/2024
 ISSSUE FOR CONSTRUCTION

Seal / Signature

Project Name

MICRON BUILDING B42

Project Number 22-1717

Description
SCHEDULES - ELECTRICAL

© 2022 Gensler

Scale
NOT TO SCALE

E8.008

City of Boise Stamps

IL2D11A	NL2B23A	NL1D14B
NL1B34B	NL1B31A	NL1B21A
-	-	-