

PANELBOARD: NL2D11A

LOCATION: ELECTRICAL/FIRE S201C

SUPPLY FROM: NL2T11A

MOUNTING: SURFACE

ENCLOSURE: NEMA-1

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

A

A

CKT	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (VA)	B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	CKT
1					18,960							2
3	NL2B21A	Spare P/NON: PREC	225	3		21,340						4
5					25,140							6
7							20,480					8
9	NL2B11A	Spare P/NON: PREC	225	3		26,020						10
11							21,740					12
13					3,360							14
15	NL2B31A	P/NON: PREC	225	3		2,220						16
17							2,220					18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
TOTAL LOAD (VA):					48,440	49,580	44,440					
TOTAL LOAD (A):					409	418	370					
LOAD CLASSIFICATION					CONNECTED LOAD	DEMAND FACTOR	CALCULATED DEMAND	PANEL TOTALS				
P/NON					30,140 VA	100.00%	30,140 VA	CONNECTED: 142,480 VA				
PREC					112,320 VA	54.45%	61,160 VA	CALCULATED DEMAND: 91,300 VA				
								CONNECTED: 196 A				
								CALCULATED DEMAND: 253 A				

PANELBOARD: NL2B23A

LOCATION: ELCC N295D

SUPPLY FROM: NL2015A

MOUNTING: SURFACE

ENCLOSURE: NEMA-1

VOLTS: 208/120 Vlye

PHASES: 3

WIRES: 4

SUB FEED LUGS: No

A.I.C. RATING: 14KA

BUS RATING: 525 A

MAIN TYPE: MCB

MCR RATING: 225

CKT	CIRCUIT DESCRIPTION	LOAD CLASS	TRIP (A)	POLES	A (VA)	B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS	CIRCUIT DESCRIPTION	CKT							
1									1	20	LCK	2134 - CONNECTION OVEN	2						
5	2147- 600T MOKER	LCK	20	3	1,200	1,000	1,200	--	1,200	1,000	1	20	LCK	2134T - CONNECTION OVEN	4				
9																			
9	2028-SINGLE WIDE PROOF BOX	LCK	20	2	1,650	--	1,650	1,000	1	20	LCK	2134 - CONNECTION OVEN	6						
11																			
11	2127 - ROTATING RACK OVEN	LCK	20	2	900	1,000	900	--	1	20	LCK	2134 - CONNECTION OVEN	8						
13																			
13	2127.1, 2128.1 - CONTROLS CIRCUIT	LCK	20	2	900	1,000	900	--	1	20	LCK	2134 - CONNECTION OVEN	10						
17																			
17	2152 - BAKERS TABLE PLUGS	LCK	20	2	600	600	600	600	2	20	LCK	2141 - PREP TABLE PLUGS	16						
19																			
21	2152 - BAKERS TABLE PLUGS	LCK	20	2	600	600	180	180	1	20	LCK	2141 - PREP TABLE PLUGS	18						
25																			
25	2155 - WORK TABLE PLUGS	LCK	20	2	600	467	600	467	3	20	LCK	2153 - DOUGH DIVIDER	22						
27																			
27	2153 - CO. REFRIGERATORS	LCK	20	1	--	600	467	--	--	--	--	--	--	--	--	--	--	--	--
31	2153 - WORK TABLE PLUGS	LCK	20	1	--	600	467	--	360	600	2	20	LCK	2153 - DOUGH DIVIDER	24				
33																			
33	2155 - WORK TABLE PLUGS	LCK	20	2	600	600	600	600	2	20	LCK	2153 - DOUGH DIVIDER	26						
35																			
35	2157 - REFRIGERATED DISPLAY CASE	LCK	20	2	1,250	700	1,250	1,400	2	20	LCK	2157 - REFRIGERATED CASE	28						
39																			
39	2170 - WORK TABLE PLUGS	LCK	20	1	1,250	700	1,250	1,400	1	20	LCK	2197 - REFRIGERATED PREP TABLE	30						
41																			
41	2170 - WORK TABLE PLUGS	LCK	20	1	1,250	700	1,250	1,400	1	20	LCK	2197 - REFRIGERATED PREP TABLE	32						
43																			
43	2175 - WAFFLE CO. MOKER	LCK	20	2	600	180	600	900	1	20	LCK	2193 - HOLDING CARTON	34						
45																			
45	2175 - WAFFLE CO. MOKER	LCK	20	2	600	180	600	900	1	20	LCK	2193 - HOLDING CARTON	36						
47																			
47	2175 - WAFFLE CO. MOKER	LCK	20	2	600	180	600	900	1	20	LCK	2193 - HOLDING CARTON	38						
49																			
49	2175 - WAFFLE CO. MOKER	LCK	20	2	600	180	600	900	1	20	LCK	2193 - HOLDING CARTON	40						
51																			
51	2175 - ESPRESSO MACHINE	LCK	20	3	2,500	500	2,500	1,500	2	20	LCK	2198 - 2199 - WORK COUNTER PLUGS	42						
53																			
53	2181 - POS REGISTER (DEDICATED)	LCK	20	1	180	--	1,380	1,800	1	20	LCK	2198 - 2199 - WORK COUNTER PLUGS	44						
55																			
55	2183 - REFRIGERATED DISPLAY	LCK	20	1	--	1,380	1,800	--	180	--	1	20	LCK	2198 - 2199 - WORK COUNTER PLUGS	46				
59																			
59	2183 - BAKERY DISPLAY	LCK	20	1	180	--	1,380	1,800	--	180	--	1	20	LCK	2198 - 2199 - WORK COUNTER PLUGS	48			
61																			
61	2137 - CHAFFARDI TRIO	LCK	20	1	500	360	500	360	1	20	LCK	2155 - WORK COUNTER PLUGS	50						
63																			
63	2138 - DUAL TRIP REACH-IN	LCK	20	1	600	1,000	600	1,200	1	20	LCK	2157 - 2007 MCR UNIT	52						
65																			
65	2139 - DUAL TRIP REACH-IN	LCK	20	1	600	1,000	600	1,200	1	20	LCK	2004 - HOOD CONTROL PANEL	54						
67																			
67	2135 - FIRE SUPPRESSION	LCK	20	1	1,200	1,000	1,200	1,000	1	20	LCK	2005 - FIRE SUPPRESSION	56						
69																			
69	2139 - HOOD CONTROL PANEL	LCK	20	1	1,200	--	1,200	--	0	--	1	20	Space	70					
71																			
71	SPARE	--	--	--	--	--	--	--	0	--	1	--	Space	72					
73																			
73	SPARE	--	--	--	0	--	0	--	0	--	1	--	Space	74					
75																			
75	SPARE	--	--	--	0	--	0	--	0	--	1	--	Space	76					
77																			
77	SPARE	--	--	--	0	--	0	--	0	--	1	--	Space	78					
79																			
79	SPARE	--	--	--	0	--	0	--	0	--	1	--	Space	80					
81																			
81	SPARE	--	--	--	0	--	0	--	0	--	1	--	Space	82					
83																			
83	SPARE	--	--	--	0	--	0	--	0	--	1	--	Space	84					

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PANEL BOARD: NL1B34B

LOCATION: ELECTRICAL/FIRE N101A

SUPPLY FROM: NL1D14B

MOUNTING: SURFACE

ENCLOSURE: NEMA-1

VOLTS: 208/120 Wye

PHASES: 3

WIRES: 4

SUB FEED LOGS: No

A.I.C. RATING: 22KA

BUS RATING: 225 A

MAINS TYPE: MLO

MCB RATING: N/A

CKT	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (VA)	B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	CKT	
1	L5-20-0BF LEVEL NORTH	PNON	20	1	1,500	3,350						2	
3	L5-20-0BF LEVEL NORTH	PNON	20	1		1,500	3,350					4	
5	L5-20-0BF LEVEL NORTH	PNON	20	1			1,500					6	
7	L5-20-0BF LEVEL NORTH	PNON	20	1	1,500	0						8	
9	REC-0BF LEVEL NORTH	PREC	20	1		720	1,475	720	1	20	LTG	120V LTG - AUDITORIUM	10
11	REC-0BF LEVEL NORTH	PREC	20	1					1	20	LTG	120V LTG - AUDITORIUM	12
13	REC-0BF LEVEL NORTH	PREC	20	1	720	1,475			1	20	LTG	120V LTG - AUDITORIUM	14
15	GLN401	PMTR	20	1		528	1,475		1	20	LTG	120V LTG - AUDITORIUM	16
17	GLN402	PMTR	20	1			180	1,475	1	20	LTG	120V LTG - AUDITORIUM	18
19	FOOD TRUCK RECEPTACLE	PNON	50	2	4,000	1,248			1	20	LTG	120V LTG - AUDITORIUM	20
21							4,000	1,068		20	LTG	120V LTG - AUDITORIUM	22
23	FOOD TRUCK RECEPTACLE	PNON	50	2				4,000					24
25	EVENT STAGE POWER	PREC	20	1	4,000								26
27	EVENT STAGE POWER	PREC	20	1		180							28
29	EVENT STAGE POWER	PREC	20	1			180						30
31	BLUE LIGHT CALL STATION	PNON	20	1	500								32
33	BLUE LIGHT CALL STATION	PNON	20	1		500							34
35	BLUE LIGHT CALL STATION	PNON	20	1			500						36
37													38
39	FOU01-15	PMTR	20	2	37								40
41													42
43	FOU01-14	PMTR	20	2	37								44
45	LEVEL 1 SECTION C - 120V LTG	LTG	20	1		88							46
47	LEVEL 1 TONING AREA - 120V LTG	LTG	1	1			81						48
49	LTG	LTG	20	1	384								50
51	LEVEL 1 SECTION B - 120V LIGHTING	LTG	20	1		320							52
53	LTG	LTG	20	1			72						54
55	LEVEL 2 SECTION B - 120V NORTH	LTG	20	1	252								56
57	LEVEL 2 SECTION B - 120V NORTH	LTG	20	1		465							58
59	LEVEL 2 SECTION B - 120V NORTH	LTG	20	1			535						60
61	FOU01-01	HVAC	30	1	2,304								62
63	FOU01-02	HVAC	20	1		1,536							64
65	FOU01-03	HVAC	15	1			924						66
67	FOU01-04	HVAC	15	1	924								68
69	FOU01-05	HVAC	20	1		924							70
71	FOU01-06	HVAC	30	1			2,304						72
73	FOU01-07	HVAC	30	1	2,304								74
75	FOU01-08	HVAC	30	1		2,304							76
77							2,304						78
81													82
83													84
TOTAL LOAD (VA):					24,534	20,860	13,978						
TOTAL LOAD (A):					213	183	116						
PANEL TOTALS													
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		CALCULATED DEMAND							
HVAC		13,524 VA		104.26%		14,100 VA		CONNECTED: 59,372 VA					
LTG		12,270 VA		125.00%		15,338 VA		CALCULATED DEMAND: 64,823 VA					
PNON		23,500 VA		100.00%		23,500 VA		CONNECTED: 185 A					
PMTR		858 VA		125.00%		867 VA		CALCULATED DEMAND: 180 A					
EVCH		6,700 VA		125.00%		8,375 VA							
PREC		2,520 VA		100.00%		2,520 VA							

NOTES:

PANELBOARD: NL1B31A

LOCATION: ELECTRICAL/FIRE S101/K

SUPPLY FROM: NL1D11A

MOUNTING: SURFACE

ENCLOSURE: NEMA-1

VOLTS: 208/120 Vye

PHASES: 3

WIRES: 4

SUB FEED LUGS: No

A.I.C. RATING: 32KA

BUS RATING: 225 A

MAINS TYPE: MLO

MCB RATING: N/A

CKT	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (VA)	B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	CKT	
1	LS-20-IDF LEVEL 1 SOUTH	PRON	20	1	1,500	38			2	20	PMTR	FOU-01-07A	2
3	LS-20-IDF LEVEL 1 SOUTH	PRON	20	1		1,500	38						4
5	LS-20-IDF LEVEL 1 SOUTH	PRON	20	1			1,500	38	2	20	PMTR	FOU-01-07B	6
7	LS-20-IDF LEVEL 1 SOUTH	PRON	20	1	1,500	38							8
9	REC-IDF LEVEL 1 SOUTH	PREC	20	1		720	180		1	20	PMTR	GUH-01-03	10
11	REC-IDF LEVEL 1 SOUTH	PREC	20	1			720	500					12
13	REC-IDF LEVEL 1 SOUTH	PREC	20	1	360	500			3	20	PMTR	LOADING DOCK DOOR	14
15	FOU-01-16	PMTR	20	2		37	500	37					16
17													18
19	FOU-01-17	PMTR	20	2	37		37						20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
TOTAL LOAD (VA):					3,972		3,012	2,795					
TOTAL LOAD (A):					33		25	23					

LOAD CLASSIFICATION

PRON

PMTR

PREC

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PANEL BOARD: NL1B21A

LOCATION: ELECTRICAL/FIRE S101K

SUPPLY FROM: NL1D11A

MOUNTING: SURFACE

ENCLOSURE: NEMA-1

PHASES: 3

WIRES: 4

SUB FEED LUGS: N6

A.I.C. RATING: 22KA

BUS RATING: 225 KA

MANS TYPE: MLO

MCB RATING: N/A

CKT	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (VA)	B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	CKT	
1	REC - XL COLLAB	PREC	20	1	900							2	
3	REC - XL COLLAB	PREC	20	1		1,080						4	
5	REC - XL COLLAB	PREC	20	1			1,080					6	
7	REC - XL COLLAB	PREC	20	1	720							8	
9	REC - IT SUPPORT S104F	PNON	20	1		1,000						10	
11	REC - IT SUPPORT S104F	PNON	20	1			1,000					12	
13	REC - COLLAB S104UBREAKOUT S104H	PREC	20	1	900							14	
15	REC - COLLAB S104U	PREC	20	1		1,440						16	
17	REC - COLLAB N104K	PREC	20	1			1,080					18	
19	REC - COLLAB N104KNT04L	PREC	20	1	720							20	
21	REC - SUPPLY UNCLNCLAB S104D	PREC	20	1		720						22	
23	REC - COLLAB N104L	PREC	20	1			900					24	
25	REC - COLLAB N104M	PREC	20	1	900							26	
27	REC - COLLAB S104D	PREC	20	1		1,080						28	
29	REC - COLLAB N104MBREAK S104A	PREC	20	1			720					30	
31	REC - BREAKOUT S104A	PREC	20	1	720							32	
33	REC - BREAKOUT S104A	PREC	20	1		720						34	
35	REC - PANTRY S104B	PREC	20	1			900					36	
37	REC - PANTRY S104B	PNON PREC	20	1	860							38	
39	REC - PANTRY S104B	PNON	20	1		1,800						40	
41	REC - XL COLLAB	PREC	20	1			720					42	
43	REC - FOCUS S106COC WORK	PREC	20	1	1,080							44	
45	REC - CORRIDOR/RESITE 1985	PREC	20	1		1,440						46	
47	REC - FOCUS 106COC WORK	PREC	20	1			1,080					48	
49	REC - WELCOME S105F	PREC	20	1	1,260							50	
51	REC/REP - MOTHERS HALLR	PNON PREC	20	1		1,080						52	
53	HAND DRYER	PREC	20	1			1,500					54	
55	HAND DRYER	PNON	20	1	1,500							56	
57	REC - WOMEN SPRAYER	PNON PREC	20	1		930						58	
59	HAND DRYER	PNON	20	1	1,500							60	
61	HAND DRYER	PNON	20	1			1,500					62	
63	REC - CORRIDORS/MS RR	PNON PREC	20	1		870						64	
65	REC - LOWV PUMPDOM WTR/ELEC	PREC	20	1			720					66	
67	REC - XL COLLAB	PREC	20	1	900							68	
69	LEVEL 2 SECTOR B - 120V SOUTH COSE	LTG	20	1		148						70	
73	HT-1-01 CONTROLLER	PCON	20	2	850					1,158		72	
75					850							74	
77												76	
79												78	
81												80	
83												84	
TOTAL LOAD (VA):					12,810	13,158	12,358						
TOTAL LOAD (A):					107	110	103						

LOAD CLASSIFICATION

CONNECTED LOAD

DEMAND FACTOR

CALCULATED DEMAND

PANEL TOTALS

LTG

12,100 VA

100.00%

12,100 VA

CONNECTED: 38,326 VA

PCON

1,700 VA

125.00%

2,125 VA

CALCULATED DEMAND: 32,468 VA

PREC

23,220 VA

71.53%

16,610 VA

CALCULATED DEMAND: 80 A

NOTES:

1. PROVIDE GFCI BREAKER FOR CIRCUIT SERVING DRINKING FOUNTAIN

Micron
8000 South Federal Way
Boise ID 83707

Gensler

811 SW 6TH AVE
SUITE 300
PORTLAND, OR 97204

TEL 971.277.2370



pae-engineers.com



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
	11/01/2024	ISSUE FOR CONSTRUCTION

Seal / Signature

Project Name

MICRON BUILDING B42

Project Number

22-1717

Description	
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SCHEDULES - ELECTRICAL

Scale

NOT TO SCALE

E8.008

NL2D11A	NL2B23A	NL1D14B
NL1B34B	NL1B31A	NL1B21A
-	-	-