

[illegible][illegible]

PANEL BOARD: NH7B21A											
LOCATION: ELECTRICAL/FIRE SFT01C						VOLTS: 480/277 Wye			A.I.C. RATING: 65KA		
SUPPLY FROM: NH7D11A						PHASES: 3			BUS RATING: 525 A		
MOUNTING: SURFACE						WIRES: 4			MAINS TYPE: MLO		
ENCLOSURE: NEMA-1						SUB FEED LOADS: No			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												2
3												4
6												8
9	ROOF SECTOR A - LIGHTING	LTG	20	1	339							10
11												12
13	ROOF SECTOR B - LIGHTING	Other	20	1	0							14
15	LEVEL 7 SECTOR A - WEST CORE	LTG	20	1		966						16
17	LEVEL 7 SECTOR A - SW OFFICE	LTG	20	1			1,806					18
19	LEVEL 7 SECTOR A - LIGHTING	LTG	20	1	1,528							20
21	LEVEL 7 SECTOR A - EAST CORE	LTG	20	1		1,231						22
23	LEVEL 7 SECTOR A - LIGHTING	LTG	20	1			1,527					24
25	LEVEL 7 SECTOR A-B - STODC LIGHTING	LTG	20	1	2,311							26
27	LEVEL 7 SECTOR A-B - STODC LIGHTING	LTG	20	1		351						28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
TOTAL LOAD (VA):					4,178	2,568	3,333					
TOTAL LOAD (A):					16	9	12					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	CALCULATED DEMAND	PANEL TOTALS CONNECTED: 10,079 VA CALCULATED DEMAND: 12,699 VA CONNECTED: 12 A CALCULATED DEMAND: 15 A
LTG	10,079 VA	125.00%	12,599 VA	
Other	0 VA	0.00%	0 VA	

NOTES:

PANEL BOARD: NHPB13A

LOCATION: ELECTRICAL N8/D

SUPPLY FROM: NHPD23A

MOUNTING: SURFACE

ENCLOSURE: NEMA-1

VOLTS: 480/277 Wye

PHASES: 3

WIRES: 4

SUB FEED LOADS: No

A.I.C. RATING: 43KA

BUS RATING: 600 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					2,107	5,820	2,107	5,820			3	40	PMTR	PCHP-R-03-01	2	
3	TEF-R-01	PMTR	15	3					2,107	5,820					4	
5															6	
7															8	
9	SFEF-R-01	PMTR	15	3	2,106	0	2,106	0	2,106	0		3	40	PMTR	PCHP-R-03-01 (REDUNDANT)	10
11															12	
13															14	
15	KEF-R-07	PMTR	20	3	3,050	0	3,050	0	3,050	0		15	PMTR	KEF-R-09	16	
17															18	
19															20	
21	VEF-R-02	PMTR	15	3	943	11,100	943	11,100	943	11,100		70	PMTR	SHWP-R-03	22	
23															24	
25					0	5,820	0	5,820							26	
27	PCHP-R-02-02 (REDUNDANT)	PMTR	40	3			0	5,820	0	5,820					28	
29									0	5,820					30	
31					3,050	0	3,050	0							32	
33	KEF-R-06	PMTR	20	3			3,050	0				3	40	PMTR	PCHP-R-01-02 (REDUNDANT)	34
35									3,050	0					36	
37					2,107	2,106	2,107	2,106							38	
39	KEF-R-08	PMTR	15	3							3	15	PMTR	KEF-R-01	40	
41															42	
43					942	942	942	942	942	942		3	15	PMTR	KEF-R-02	44
45	VEF-R-01	PMTR	15	3											46	
47															48	
49					582	1,330	582	1,330	582	1,330		3	15	PMTR	KEF-R-03	50
51	VEF-R-04	PMTR	15	3											52	
53															54	
55					443	1,330	443	1,330	443	1,330		3	15	PMTR	KEF-R-04	56
57	VEF-R-03	PMTR	15	3											58	
59															60	
61	PCHP-R-02-01	PMTR	40	3	5,820	3,050	5,820	3,050	5,820	3,050		3	20	PMTR	KEF-R-05	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):					52,648		52,648		52,648							
TOTAL LOAD (A):					190		190		190							

LOAD CLASSIFICATION

PMTR

CONNECTED LOAD

157,945 VA

DEMAND FACTOR

70.27%

CALCULATED DEMAND

166,270 VA

PANEL TOTALS

CONNECTED: 157,945 VA

CALCULATED DEMAND: 166,270 VA

CONNECTED: 190 A

CALCULATED DEMAND: 200 A

NOTES:

PANELBOARD: NH721(A)											
LOCATION: ELECTRICAL/FIRE S701C				PHASES: 3				A.I.C. RATING: 65A			
SUPPLY FROM: 42-SWB-01A				WIRES: 4				BUS RATING: 1,200 A			
MOUNTING: SURFACE				SUB FEED LUGS: No				MAINS TYPE: MLO			
ENCLOSURE: NEMA-1								MCB RATING: NA			

CKT	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (VA)	B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	CKT
1												2
3	NLT11A	Spare P/NON LTG. PMTR...	300	3	51,869	49,438						4
5												6
7												8
9	NH721A	Other: LTG	225	3	4,178	2,568						10
11							3,333					12
13												14
15												16
17												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):					56,037	52,007	56,221					
TOTAL LOAD (A):					205	188	205					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	CALCULATED DEMAND	PANEL TOTALS
LTG	12,395 VA	125.00%	15,494 VA	CONNECTED: 164,265 VA CALCULATED DEMAND: 169,066 VA
Other	0 VA	0.00%	0 VA	
PMON	25,200 VA	100.00%	25,200 VA	
PMTR	60 VA	125.00%	62 VA	
PREC	126,620 VA	53.95%	68,310 VA	
				CALCULATED DEMAND: 131 A

[illegible]

NH7B24B	NH7B21A	-
NHPB12B	NHPB13A	NH7D11A
-	-	NH7D14B

8000 South Federal Way
Boise ID 83707

Gensler

811 SW 6TH AVE
SUITE 300
PORTLAND, OR 97204

TEL 971.277.2370



pae-engineers.com

LUMA

Lumald.com

△	Date	Description
	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	ISSUE CHECK FOR CONSTRUCTION

Seal / Signature

Project Name

MICRON BUILDING B42

Project Number

22-1717

Description

SCHEDULES - ELECTRICAL

Scale

NOT TO SCALE

E8.005

City of Boise Stamps