	LOCATION: ELECTRICAL/FIRE S301C SUPPLY FROM: NL3T11A MOUNTING: SURFACE ENCLOSURE: NEMA-1				SU		VOLTS: 208/ PHASES: 3 WIRES: 4 D LUGS: No	120 Wye				A.I.C. RATING: 35kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800 A				
CKT	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (V		B (VA)		C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	CK		
1 3 5	NL3B11A	Spare; PNON; LTG; PREC	225	3	21,625		18,460	19,210	5					4 6		
7 9 11	NL3B21A	PNON; PREC	225	3	19,240		20,120	16,840						8 10 12		
13 15 17	NL3B31A	Spare; PNON; PMTR; PREC	225	3	12,100		8,845	13,10						14 16 18		
19 21 23								-, -						20 22 24		
25 27 29														26 28 30		
31 33 35														32 34		
37 39														36 38 40		
41				AD (VA): DAD (A):	52,9 44		47,425 395		9,161 412					42		
LOAD (CLASSIFICATION				LOAD	DEM	IAND FACTOR	l .		ATED DEMAN	ND		PANEL TOTALS			
_TG				301 VA			125.00%			76 VA		0.0				
PNON PMTR			2	25,900 VA 50 VA	1		100.00% 125.00%			,900 VA 62 VA		CONNECTED: 149,551 VA CALCULATED DEMAND: 92,989 VA				
PREC			1	23,300 V	A		54.06%			,650 VA			ONNECTED: 415 A			
												CALCULATE	D DEMAND: 258 A			
NOTES	:															

LOCATION: ELECTRICAL/FIRE N401C SUPPLY FROM: NL4T14B MOUNTING: SURFACE ENCLOSURE: NEMA-1					VOLTS: 208/1 PHASES: 3 WIRES: 4 B FEED LUGS: No	20 Wye				A.I.C. RATING: 22kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800				
CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		B (VA)			POLES	TRIP (A)	LOAD CLASS.	CIRCU	JIT DESCRIPTION	СК	
	Spare: PNON:			22,700									2	
L4B14B	PREC; PKIT	225	3		23,060	21 7/10							6	
	O BNON			21,260		21,740							8	
L4B24B		225	3	,	21,140								1	
	TILLO			0.000		20,760							1	
4D24D	Spare; PNON;	225	2	8,620	6 906								1	
L4D34D	LTG; PREC	223	3		0,090	7 960							1	
						1,500							2	
													2	
													2	
													2	
													3	
													3	
													3	
													3	
													3	
													4	
	TO		ND (\/A):	52.5	PO 51 006	50.4	60						4	
			` '											
ASSIFICATION		CON		LOAD	DEMAND FACTOR	CALCU			D		PANE	I TOTALS		
					100.00%							<u> </u>		
					54.42%							<u> </u>		
			3,600 VA		90.00%		3,240	VA						
									(CALCULATED	DEMAND:	284 A		
	CIRCUIT DESCRIPTION .4B14B .4B24B .4B34B	CIRCUIT DESCRIPTION 4B14B Spare; PNON; PREC; PKIT Spare; PNON; PREC Spare; PNON; PREC TOT	CIRCUIT DESCRIPTION LOAD CLASS. Spare; PNON; PREC; PKIT PREC PREC PREC Spare; PNON; PREC PREC PREC TOTAL LOAD CLASS. 1 ASSIFICATION CONN CONN CONN CONN	CIRCUIT DESCRIPTION	CIRCUIT DESCRIPTION	CIRCUIT DESCRIPTION	LOAD TRIP POLES (VA) (VA)	LOAD CLASS. TRIP POLES (VA) (VA)	CIRCUIT DESCRIPTION	CIRCUIT DESCRIPTION	CIRCUIT DESCRIPTION	CIRCUIT DESCRIPTION	ENCLOSURE: NEMA-1 CIRCUIT DESCRIPTION	

	LOCATION: ELECTRICAL/FIRE N201C SUPPLY FROM: NL2T14B MOUNTING: SURFACE ENCLOSURE: NEMA-1					F	VOLTS: 208/ PHASES: 3 WIRES: 4 D LUGS: No	120 Wye				A.I.C. RATING: 22kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800				
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	. A (V.		B (VA)		C VA)	POLES	TRIP	LOAD CLASS.	CIRC	UIT DESCRIPTION	СКТ	
3	NL2B14B	PNON; PMTR;	225	3	22,075		22,955								2	
5	INCZD 14D	PCON; LCN;	223	3			22,933	23,720							6	
7					11,540										8	
9	NL2B24B	LCN; LCK	225	3			13,200								10	
11								9,960							12	
13	NI ODGAD	HVAC; PNON;	005		19,899		04.400								14	
15 17	NL2B34B	PREC	225	3			21,428	18,944							16 18	
19								10,944							20	
21															22	
23															24	
25															26	
27															28	
29															30	
31															32	
33															34	
35 37															36 38	
39															40	
41															42	
		TO	TAL LO	AD (VA):	53,5	514	57,583	51	2,624				1		12	
				DAD (A):	44		481		439							
LOAD (CLASSIFICATION		CON	NECTED	LOAD	DEM	IAND FACTOR	R CAL	CULA	TED DEMA	ND					
HVAC				47,611 V			101.21%			187 VA			PANE	L TOTALS		
PNON				26,850 V			100.00%			850 VA		C	ONNECTED:	163,721 VA	-	
PMTR				500 VA			125.00%			25 VA		CALCULATE				
PCON							125.00%			975 VA			ONNECTED:			
LCN				3,980 VA 44,340 VA			100.00%			340 VA						
														423 A		
PREC				11,340 V			94.09%			670 VA						
LCK				29,100 V	-1		65.00%		10,	915 VA						
NOTES																

	LOCATION: ELECTRICAL/FIRE S401C SUPPLY FROM: NL4T11A MOUNTING: SURFACE ENCLOSURE: NEMA-1					WIRES: 4 D LUGS: No			A.I.C. RATING: 35kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800				
CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (V.		B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCU	JIT DESCRIPTION	CK.
311A	Spare; PNON; PREC	225	3	20,760		17,861	19.300						2 4 6
321A	Spare; PNON; PREC	225	3	19,380		19,940							8 10 12
331A	Spare; PNON; LTG; PMTR;	225	3	13,936		10,605	10,645						14 16 18
													20 22 24 26
													28 30 32
													34 36 38
						48,406	46,605						40
SSIFICATION			NECTED	LOAD	DEM	AND FACTOR	CALCULA		ID		PANE	_ TOTALS	
		:	26,460 V			100.00%	26,4	460 VA					
		1		Ά		54.09%				CO	NNECTED:	414 A	
										ALOGEATED	DEMINIO.	200 A	
3 3	11A 21A 31A	Spare; PNON; PREC 21A Spare; PNON; PREC 31A Spare; PNON; LTG; PMTR; TO	Spare; PNON; PREC 225 21A Spare; PNON; PREC 225 31A Spare; PNON; LTG; PMTR; 225 TOTAL LOTAL	Spare; PNON; PREC 225 3 3 3 3 3 3 3 4 3 3	Spare; PNON; PREC 225 3 20,760	Spare; PNON; PREC 225 3 20,760	Spare; PNON; PREC 225 3 20,760 17,861	Spare; PNON; PREC 225 3 20,760 17,861 19,300 19,300 19,380 19,940 16,660 13,936 10,605 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645 10,645	11A Spare; PNON; PREC 225 3 17,861 19,300	11A Spare; PNON; PREC 225 3 17,861 19,300	11A Spare; PNON; PREC 225 3 20,760 17,861 19,300	11A Spare; PNON; PREC 225 3 19,380 19,340 16,660	11A Spare, PNON; PREC 225 3 19,380 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19,940 16,660 19

	LOCATION: ELECTRICAL/FIRE N501C SUPPLY FROM: NL5T14B MOUNTING: SURFACE ENCLOSURE: NEMA-1				SU	VOLT PHASE WIRE B FEED LUG	S : 4	0 Wye			A.I.C. RATING: 22kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800			
CKT	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (V)		B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	CKT	
3	 NL5B14B	Spare; PNON;	225	3	22,940	23,09	7						4	
5	INLODI4D	LTG; PREC	223	3		23,08		19,660					6	
7		Spare; PNON;			21,440			10,000					8	
9	NL5B24B	PREC	225	3		21,14	0	04.000					10	
11 13					6,900			21,660					12 14	
15	NL5B34B	Spare; PNON;	225	3	0,500	6,32)						16	
17		PREC						9,600					18	
19													20	
21 23													22 24	
25													26	
27													28	
29 31													30 32	
33													34	
35													36	
37													38	
39 41													40 42	
41		TOT	'ΔΙΙΩ	AD (VA):	51,2	280 5	50,557	50,920					42	
				OAD (A):	42		421	425						
	CLASSIFICATION		CON	NECTED	LOAD	DEMAND F		CALCULAT		ID		PANEL TOTALS		
TG				337 VA		125.00			1 VA					
NON				37,260 VA		100.00		_	260 VA			ONNECTED: 152,757 VA		
REC			1	15,160 V	A	54.34	%	62,5	80 VA			DEMAND: 100,261 VA		
												NNECTED: 424 A		
											CALCULATED	DEMAND: 278 A		

LOCATION: ELEC N205D SUPPLY FROM: NL2T13A MOUNTING: SURFACE ENCLOSURE: NEMA-1				SUB	VOLTS: 208/12 PHASES: 3 WIRES: 4 FEED LUGS: No	O Wye		A.I.C. RATING: 22kA BUS RATING: 1,200 A MAINS TYPE: MCB MCB RATING: 1200				
CKT CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	CK	
1 3 NL2B13A	Spare; LCN; LCK	225	3	18,547	13,167						4	
5 7 9 NL2B23A	Spare; LCN;	225	3	17,787	19,437	22,147					8	
9 NLZBZ3A 11 13	LCK	223	3	8,733	19,437	19,057					10 12 14	
15 17 NL1B13A	Spare; LCN; LCK	225	3	0,733	8,873	9,653					16	
19 21 NL1B23A	Spare; LCN;	225	3	15,280	16,180	0,000					20	
23 25	PREC; LCK Spare; LCN;			12,160		13,340					24 26	
27 NL2B43A 29	LCK	225	3	45 455	6,760	10,360					30	
31 33 NL2B33A 35	Spare; LCN; LCK	225	3	15,477	12,177	13,267					32 34 36	
37 39						13,201					38	
41		FAL : 6	10.000	07.03	72.502	07.000					42	
			ad (VA): Dad (A):	87,983 748	3 76,593 638	87,823 746						
OAD CLASSIFICATION CN			NECTED 31,780 V		DEMAND FACTOR 100.00%	CALCULAT	ED DEMAN 780 VA	ID		PANEL TOTALS		
PREC CK		4	360 VA 20,260 V		100.00% 65.00%		O VA			NNECTED: 252,400 VA DEMAND: 210,309 VA		
UN		1	∠∪,∠0U V	Λ	03.0070	70,1	69 VA		СО	NNECTED: 701 A		
									CALCULATED	DEMAND: 584 A		
NOTES:												

LOCATION: E SUPPLY FROM: I MOUNTING: S ENCLOSURE: I	VOLTS: 208/120 Wye PHASES: 3 WIRES: 4 SUB FEED LUGS: No									A.I.C. RATING: 22kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800						
CKT CIRCUIT DESCRIPTION	CIRCUIT DESCRIPTION LOAD TRIP CLASS. (A)		POLES	(V		B (VA))	C (V		POLES	TRIP (A)	LOAD CLASS.	CIRCI	JIT DESCRIPTION	CI	
1 NL3B14B	Spare; PNON;	225	3	23,020		20,700									2	
5 INL3D14B	PREC; PKIT	223	3			20,700	20	160								
7	Spare; PNON;			20,740												
9 NL3B24B	LTG; PMTR;	225	3			23,060										
11	O, r Willt,			0.440			20	116								
13 NL3B34B	PNON; LTG;	225	3	8,440		7,441										
17 NESBO4B	PREC	223				7,441	7.	480								
19							-,								:	
21															:	
23																
25															- 2	
27 29															4	
31																
33																
35															(
37															,	
39															4	
41	TO	ral LO	AD (VA):	52,2	200	51,20	11	47,7	EG						4	
			DAD (A):	43		431	/1	39								
OAD CLASSIFICATION		CON	IECTED I	LOAD	DEN	IAND FACT	OR C	ALCL	JLATE	D DEMAN	D		DANE	L TOTALS		
TG			337 VA			125.00%			421 \	VΑ						
NON		3	3,000 VA	4		100.00%			33,000) VA		CO	NNECTED:	151,157 VA		
MTR			500 VA			125.00%			625 \	VA		CALCULATED	DEMAND:	99,146 VA		
REC		1	13,720 V	A		54.40%			61,860	VA VA		СО	NNECTED:	420 A		
KIT			3,600 VA			90.00%			3,240	VA		CALCULATED	DEMAND:	275 A		
OTES:																

	LOCATION: E SUPPLY FROM: N MOUNTING: S ENCLOSURE: N	1C	SL		VOLTS: 20 PHASES: 3 WIRES: 4 D LUGS: No) Wye		A.I.C. RATING: 35kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800					
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	•		B (VA)		C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	С
1 3 5	NL5B11A	Spare; PNON; LTG; PREC	225	3	22,300		19,396		19,580					
7	NL5B21A	Spare; PNON;	225	3	18,060		19,860							
11 13 15 17	NL5B31A	Spare; PNON; PMTR; PREC	225	3	11,840		9,205		18,740					
19 21									12,245					
23 25 27														
29 31														
33 35 37														
39 41														
				AD (VA): OAD (A):	52,2 43		48,46		50,565 424					
LOAD (CLASSIFICATION		CON	NECTED	LOAD	DEN	MAND FACT	OR	CALCULAT	ED DEMAN	1D		DANIEL TOTAL 0	
LTG				256 VA			125.00%			0 VA		001	PANEL TOTALS	
PNON PMTR				25,100 V 50 VA	4		100.00% 125.00%			00 VA 2 VA			NNECTED: 151,226 VA DEMAND: 93,392 VA	
PREC			,	125,820 V	'A		53.97%			10 VA		COI	NNECTED: 420 A	
												CALCULATED	DEMAND: 259 A	
NOTES	:													



Gensler

811 SW 6TH AVE TEL 971.277.2370 SUITE 300 PORTLAND, OR 97204



nae-engineers com



 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

Scale
NOT TO SCALE

E8.011

City of Boise Stamps

NL3D11A	NL2D14B	NL2D13A
NL4D14B	NL4D11A	NL3D14B
-	NL5D14B	NL5D11A

© 2022 Gensler