	LOCATION: ELECTRICAL/FIRE S701 SUPPLY FROM: SUL7T11A MOUNTING: SURFACE ENCLOSURE: NEMA-1					JB FEI	VOLTS: 208/1 PHASES: 3 WIRES: 4 ED LUGS: No	20 Wye		A.I.C. RATING: 10kA BUS RATING: 250 A MAINS TYPE: MCB MCB RATING: 250					
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (V		B (VA)	C (V)		TRI			JIT DESCRIPTION	СК	
1	L5-20 - IDF LEVEL 6 SOUTH	PNON	20	1	1,500		4.500							2	
<u>3</u> 5	L5-20 - IDF LEVEL 6 SOUTH L5-20 - IDF LEVEL 6 SOUTH	PNON PNON	20	1 1			1,500	1,500						6	
7	L5-20 - IDF LEVEL 6 SOUTH	PNON	20	1	1,500			1,500						8	
9	L5-20 - IDF LEVEL 7 SOUTH	PNON	20	1	1,000		1,500							10	
11	L5-20 - IDF LEVEL 7 SOUTH	PNON	20	1			1,555	1,500						12	
13	L5-20 - IDF LEVEL 7 SOUTH	PNON	20	1	1,500									14	
15	L5-20 - IDF LEVEL 7 SOUTH	PNON	20	1			1,500							16	
17	SECURITY - IDF LEVEL 6 SOUTH	PNON	20	1	4.500			1,500						18	
19	SECURITY - IDF LEVEL 7 SOUTH SECURITY - IDF LEVEL 7 SOUTH	PNON PNON	20	1	1,500		1,500							20	
21	SECURITY - IDF LEVEL / SOUTH	PINON	20	I			1,500							22	
25	DDC CONTROLS (TCP) - PENTHOUSE	PNON	20	1	500									26	
27														28	
29														30	
31														32	
33														34	
35														36	
37 39														38	
41														42	
71		ТО	TAL LOA	AD (VA):	6,5	00	6,000	4,5	20						
				DAD (A):	5		52	38							
LOAD (CLASSIFICATION		CON	NECTED I	LOAD	DE	MAND FACTOR	CALC	JLATED DEMA	ND		DANE	_ TOTALS		
PNON			•	17,000 VA	4		100.00%		17,000 VA						
												CONNECTED:	17,000 VA		
											CALCUL	ATED DEMAND:	17,000 VA		
												CONNECTED:	47 A		
											CALCUL	ATED DEMAND:	47 A		
												-			
NOTES	3:		1												

	LOCATION: EMERGEI SUPPLY FROM: 42-ATS-02 MOUNTING: FLOOR ENCLOSURE: NEMA-1	2	VOLTS: 480/277 PHASES: 3 WIRES: 4 B FEED LUGS: No	7 Wye			A.I.C. RATING: 100kA BUS RATING: 1,200 A MAINS TYPE: MLO MCB RATING: N/A				
СКТ	CIRCUIT DE	SCRIPTION	TRIP RATING (A)	POLES	A (VA)	B (VA)	C (VA)	NOTES			
1	SH2B22B		400	3	69,853	71,721	77,641				
2	SH2B12B		400	3	58,525	59,013	57,311				
3	SHPB52B		400	3	82,610	82,610	82,610				
4	SHPB42B		400	3	77,511	77,511	77,511				
5	SHPB32B		100	3	4,213	4,213	4,213				
6	CH-R-04		175	3	31,593	31,593	31,593				
7 8											
9											
10											
			TOTAL LO	AD (VA):	324,304	326,660	330,878				
			TOTAL LO	· · · ·	1,171	1,181	1,196				
OAD CL	ASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	CAL	CULATED			SWITCHBOARD TOTALS			
NON		28,500 VA	100.00%	-	8,500 VA						
MTR		466,482 VA	106.42%		96,412 VA			ONNECTED: 981,843 VA			
CON		2,000 VA	125.00%		2,500 VA			D DEMAND: 877,772 VA			
EL REC		480,361 VA 4,500 VA	72.00% 100.00%	-	15,860 VA 1,500 VA			DNNECTED: 1,181 A D DEMAND: 1,056 A			
OTES:											

LOCATION: ELECTRICAL/FIRE S201C SUPPLY FROM: SH1D12B MOUNTING: SURFACE ENCLOSURE: NEMA-1						P	VOLTS PHASES WIRES D LUGS	: 4	'Wye			A.I.C. RATING: 42kA BUS RATING: 400 A MAINS TYPE: MLO MCB RATING: N/A			
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.		POLES	A (V	A A)		B VA)	C (VA)		POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	СИ
1					583	-									2
	EF-01-02	PMTR	15	3			583		500						4
5 7									583						6 8
9															10
11															12
13															14
15															16
17															18
19															20
21 23															2:
25															20
27															28
29															30
31															32
33															34
35						5.040									36
37 39						5,349		6,095			3	50	PNON; PMTR; PCON; PREC	CL 2T12D	38 40
41								0,093		4,930	3	30	PCON; PREC	SLZTIZD	42
		TO	TAL LO	AD (VA):	58,	525	59	,013	57	,311					
				DAD (A):	2′			214		207	_				
PNON	CLASSIFICATION			NECTED 14,500 VA			AND FA 100.009		CALC	14 FOO		ID III		PANEL TOTALS	
										14,500				NINECTED: 174 940 VA	
PMTR	ON 2,00			55,649 V			119.239			185,579				ONNECTED: 174,849 VA	
PCON				2,000 VA			125.009			2,500				D DEMAND: 205,279 VA	
PREC	2		2,700 VA			100.009	%		2,700	VA			DNNECTED: 210 A		
													CALCULATED	DEMAND: 247 A	

	LOCATION: E SUPPLY FROM: S MOUNTING: S ENCLOSURE: N	1C	SI	F	VOLTS: 208 PHASES: 3 WIRES: 4 D LUGS: No		Vye			A.I.C. RATING: 10kA BUS RATING: 250 A MAINS TYPE: MCB MCB RATING: 250						
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		A (A)	B (VA)		(V.		POLES	TRIP (A)	LOAD CLASS.	CIRCU	JIT DESCRIPTION	CI
1	L5-20 - IDF LEVEL 3 NORTH	PNON	20	1	1,500		1									2
3	L5-20 - IDF LEVEL 3 NORTH	PNON	20	1			1,500		4.500							4
	L5-20 - IDF LEVEL 3 NORTH	PNON	20	1	4.500				1,500							(
7	L5-20 - IDF LEVEL 3 NORTH SECURITY - IDF LEVEL 3 NORTH	PNON	20	1	1,500		1 500									{
9 11	L5-20 - IDF LEVEL 4 NORTH	PNON PNON	20	1			1,500		1,500							1
13	L5-20 - IDF LEVEL 4 NORTH	PNON	20	1	1,500				1,500							1
15	L5-20 - IDF LEVEL 4 NORTH	PNON	20	1	1,500		1,500									1
17	L5-20 - IDF LEVEL 4 NORTH	PNON	20	1			1,300		1,500							1
19	SECURITY - IDF LEVEL 4 NORTH	PNON	20	1	1,500				1,500							2
21	L5-20 - IDF LEVEL 5 NORTH	PNON	20	1	1,500		1,500									2
23	L5-20 - IDF LEVEL 5 NORTH	PNON	20	1			1,000		1,500							2
25	L5-20 - IDF LEVEL 5 NORTH	PNON	20	1	1,500				1,000							2
27	L5-20 - IDF LEVEL 5 NORTH	PNON	20	1	1,000		1,500									2
29	SECURITY - IDF LEVEL 5 NORTH	PNON	20	1			,		1,500							3
31									,							3
33																3
35																3
37																3
39																4
41																4
		ТО	TAL LO	AD (VA):	7,5	500	7,500		7,5	00						
		T	OTAL LO	DAD (A):	6	3	63		6	3						
	CLASSIFICATION		_	NECTED		DEN	IAND FACTO)R	CALC		D DEMAN	ID		PANE	L TOTALS	
NON			- :	22,500 V	4		100.00%			22,50	0 VA					
														NNECTED:		
													CALCULATE	DEMAND:	22,500 VA	
													CC	NNECTED:	62 A	
													CALCULATE	DEMAND:	62 A	-
OTES	:							•				•				

	LOCATION: E SUPPLY FROM: 4 MOUNTING: S ENCLOSURE: N	P	VOLTS: HASES: WIRES: D LUGS:	3 4	' Wye				A.I.C. RATING: 100kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 1000							
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		A 'A)		B 'A)		C 'A)	POLES	TRIP (A)	LOAD CLASS.	CIRCI	JIT DESCRIPTION	СК
1																2
3																4
5											-					6
7 9																1
11																1:
13																1
15																1
17																1
19																2
21																2
23																2
25																2
27																28
29																30
31					40,000	0										32
33	42-SUPS-01	PNON	300	3			39,500	0			3	300		42-SUPS-01 (N	MAINTENANCE BYPASS)	3
35									34,500	0						30
37	OUDDO 4.4	DIATE	005		39,906	79,813	00.000	70.040				400	DIATE	OLIDD 444		38
39	SHPD21A	PMTR	225	3			39,906	79,813	20,000	70.040	3	400	PMTR	SHPD11A		4(
41			TAL 10	AD ()/A)	4.50	740	450	040	39,906							4:
				AD (VA):		,719		,219	154	-	4					
		T	OTAL LO	DAD (A):	5	79	57	78	55	57						
LOAD (CLASSIFICATION		CON	NECTED	LOAD	DEM	AND FAC	CTOR	CALC	ULATE	DEMAN	ID		DANE	L TOTALS	
PNON			1	14,000 \	/A		100.00%)		114,000	O VA			IANL	LIGIALS	
PMTR			3	59,158 \	/A		108.33%)		389,088	8 VA		С	ONNECTED:	473,158 VA	
										<u> </u>			CALCULATE	D DEMAND:	503.088 VA	
														ONNECTED:		
														D DEMAND:		
													ALCULAIL	D DLIVIAND.	003 A	
NOTES	•		*			1			1							

	LOCATION: E SUPPLY FROM: S MOUNTING: S ENCLOSURE: N	IRE S40	1C	SI		VOLTS: 2 PHASES: 3 WIRES: 4 ED LUGS: N	3 4) Wye	A.I.C. RATING: 10kA BUS RATING: 250 A MAINS TYPE: MCB MCB RATING: 250							
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	(V	A 'A)	B (VA	N)	1	C (A)	POLES	TRIP (A)	LOAD CLASS.	CIRC	UIT DESCRIPTION	
1	L5-20 - IDF LEVEL 3 SOUTH	PNON	20	1	1,500		4.700									
3	L5-20 - IDF LEVEL 3 SOUTH	PNON	20	1			1,500		1 500							_
5 7	L5-20 - IDF LEVEL 3 SOUTH L5-20 - IDF LEVEL 3 SOUTH	PNON PNON	20	1	1,500				1,500							_
	L5-20 - IDF LEVEL 3 SOUTH	PNON	20	1	1,300		1,500									+
11	L5-20 - IDF LEVEL 4 SOUTH	PNON	20	1			1,300		1,500							-
13	L5-20 - IDF LEVEL 4 SOUTH	PNON	20	1	1,500				1,000							
15	L5-20 - IDF LEVEL 4 SOUTH	PNON	20	1	1,500		1,500									
17	L5-20 - IDF LEVEL 5 SOUTH	PNON	20	1			,,,,,,		1,500							-
19	L5-20 - IDF LEVEL 5 SOUTH	PNON	20	1	1,500											
21	L5-20 - IDF LEVEL 5 SOUTH	PNON	20	1			1,500									
23	L5-20 - IDF LEVEL 5 SOUTH	PNON	20	1					1,500							
25	SECURITY - IDF LEVEL 3 SOUTH	PNON	20	1	1,500											
27	SECURITY - IDF LEVEL 4 SOUTH	PNON	20	1			1,500									_
29	SECURITY - IDF LEVEL 5 SOUTH	PNON	20	1					1,500							
31																
33 35																-
37																
39																-+
41																
		ТО	TAL LO	AD (VA):	7.5	500	7,50	00	7.5	500						
				DAD (A):		3	63		6							
LOAD (CLASSIFICATION		CONI	NECTED	LOAD	DE	MAND FAC	TOR	CALC	ULATE	D DEMAN	ID		DANE	L TOTALS	
PNON				22,500 V	4		100.00%			22,50	0 VA			FANL	LIGIALS	
													CC	ONNECTED:	22,500 VA	
												(ALCULATE	D DEMAND:	22,500 VA	
													CC	ONNECTED:	62 A	
													ALCULATE	D DEMAND:	62 A	
															<u>I</u>	
NOTES	:															

LOCATION: ELECTRICAL/FIRE N701C SUPPLY FROM: SUL7T21A MOUNTING: SURFACE ENCLOSURE: NEMA-1						JB FE	VOLTS: 208/1 PHASES: 3 WIRES: 4 ED LUGS: No	20 Wye		A.I.C. RATING: 10kA BUS RATING: 250 A MAINS TYPE: MCB MCB RATING: 250				
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (V	A (A)	B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION		
1	L5-20 - IDF LEVEL 6 NORTH	PNON	20	1	1,500									
3	L5-20 - IDF LEVEL 6 NORTH	PNON	20	1			1,500							
5	L5-20 - IDF LEVEL 6 NORTH	PNON	20	1				1,500						
7	L5-20 - IDF LEVEL 6 NORTH	PNON	20	1	1,500		4.500							
9	SECURITY - IDF LEVEL 6 NORTH	PNON	20	1 1			1,500	4.500						
	L5-20 - IDF LEVEL 7 NORTH L5-20 - IDF LEVEL 7 NORTH	PNON PNON	20	1 1	1,500			1,500						
	L5-20 - IDF LEVEL 7 NORTH	PNON	20	1	1,500		1,500							
	L5-20 - IDF LEVEL 7 NORTH	PNON	20	1			1,500	1,500						
19	SECURITY - IDF LEVEL 7 NORTH	PNON	20	1	1,500			1,000						
	SECURITY - IDF LEVEL 7 NORTH	PNON	20	1	1,000		1,500							
	DDC CONTROLS (TCP) - PENTHOUSE	PNON	20	1			,,,,,,	500						
25	DDC CONTROLS (TCP) - PENTHOUSE	PNON	20	1	500									
27														
29														
31														
33														
35 37														
39														
41														
		ТО	TAL LO	AD (VA):	6,5	500	6,000	5,000						
				OAD (A):	5		51	42						
LOAD (CLASSIFICATION		CON	NECTED	LOAD	DE	MAND FACTOR	CALCULAT	ED DEMAN	ID		DANIEL TOTAL O		
PNON				17,500 V	4		100.00%	17,5	00 VA			PANEL TOTALS		
											CON	NNECTED: 17,500 VA		
											CALCULATED	DEMAND: 17,500 VA		
												NNECTED: 49 A		
			1							-		DEMAND: 49 A		
NOTES	·													



Gensler

811 SW 6TH AVE SUITE 300 PORTLAND, OR 97204



TEL 971.277.2370



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 1 10/11/2024 ISSSUE FOR CONSTRUCTION

Seal / Signature

MICRON BUILDING B42

22-1717

Description
SCHEDULES - ELECTRICAL

Scale
NOT TO SCALE

E8.018

City of Boise Stamps

SUL7B11A	SUL4B21A	SUL4B11A
SH1D12B	SH1D11A	SUL7B21A
SH2B12B		