

CKT CIRCUIT DESCRIP 1		TRIP (A)	POLES		A VA)		B //A)	1	C /A)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	CK 22 44 66 810
3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 SUL1T21A 35														4 6 8 1
7 9 11 13 15 17 19 21 23 25 27 29 31 33 SUL1T21A														1
9 11 13 15 17 19 21 23 25 27 29 31 33 SUL1T21A														1
11														1
15 17 19 21 23 25 27 29 31 33 SUL1T21A	DUOU													
17 19 21 23 25 27 29 31 33 SUL1T21A	DUOU													1
19 21 23 25 27 29 31 33 SUL1T21A	DUOU									1 1				
21 23 25 27 29 31 33 35 SUL1T21A	DUOU													2
25 27 29 31 33 SUL1T21A	DUOU													2
27 29 31 33 35 SUL1T21A	DUOU													2
29 31 33 35 SUL1T21A	Duou													2
33 SUL1T21A 35	Bulan													3
35			_	5,500										3
07	PNON	125	3			6,500		4,000						3
37				7,500	6,500			4,000						3
39 SUL4T21A	PNON	125	3	,	,	7,500	6,000			3	125	PNON	SUL7T21A	4
41			10.01					7,500	5,000					
		OTAL LO			9,500		,000		500					
	·	TOTAL LO			72	-	74	1	60					
LOAD CLASSIFICATION PNON			NECTED 56,000 V		_	100.00%		CALC	56,000	DEMAN	ש		PANEL TOTALS	
FNON			30,000 V	Α		100.007	'0		30,000	VA			CONNECTED: 56,000 VA	
											C		ED DEMAND: 56,000 VA	
													CONNECTED: 67 A	
											С		ED DEMAND: 67 A	
NOTES:														

	LOCATION: EME SUPPLY FROM: 42-G MOUNTING: FLOG ENCLOSURE: NEM	OR	VOLTS: 480/277 PHASES: 3 WIRES: 4 SUB FEED LUGS: No	⁷ Wye			A.I.C. RATII BUS RATII MAINS TY MCB RATII	NG: 1,200 A PE: MLO
СКТ	CIRCU	IT DESCRIPTION	TRIP RATING (A)	POLES	A (VA)	B (VA)	C (VA)	NOTES
1	42-ATS-02		1,200	3	324,304	326,660	330,878	
2	42-ATS-01		800	3	35,127	35,428	34,202	
3	TEMP GEN		600	3	0	0	0	
4	FP-1-A		300	3	50,000	50,000	50,000	
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20				15.0(1)	400 400	110.000	115.000	
			TOTAL LO			412,088 1,489	415,080 1,500	
	ASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	CAL	CULATED			
TG	ASSIFICATION	73,697 VA	125.00%		2,121 VA		;	SWITCHBOARD TOTALS
NON		57,760 VA	100.00%		7,760 VA		CC	DNNECTED: 1,236,600 VA
MTR		616,482 VA	106.08%		53,982 VA			D DEMAND: 1,158,524 VA
CON		2,000 VA	125.00%		2,500 VA			DNNECTED: 1,487 A
EL		480,361 VA	72.00%		15,860 VA			D DEMAND: 1,393 A
REC		6,300 VA	100.00%		6,300 VA		ALOULAILI	1,000 A
		0,000 771	100.0070	<u> </u>	5,000 V/ t			

LOCATION: UPS S101C SUPPLY FROM: 42-SUPS-01 MOUNTING: SURFACE ENCLOSURE: NEMA-1					SI	F	VOLTS: 4 PHASES: 3 WIRES: 4 D LUGS: 1	3 4	' Wye		A.I.C. RATING: BUS RATING: 225 A MAINS TYPE: MCB MCB RATING: 225					
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		λ Α)	B (VA		(V		POLES	TRIP (A)	LOAD CLASS.	CIRCI	JIT DESCRIPTION	СК
1	SUH1B11A	PNON	225	3	40,000		39,500									2
5	COMBINA	INON	220				33,300		34,500							6
7									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							8
9																10
11																12
13																14
15 17																16 18
19													+			20
21																22
23																24
25																26
27																28
29																30
31																32
33 35																34 36
37																38
39																40
41																42
				AD (VA): DAD (A):	40,0		39,5 14		34,: 12							
OAD (CLASSIFICATION		CONI	NECTED	LOAD	DEN	IAND FAC	TOR	CALC	ULATE	D DEMAN	ID		DANE	L TOTALS	
NON			1	14,000 V	'A		100.00%			114,00	0 VA			FAIL	L TOTALS	
													CC	NNECTED:	114,000 VA	
													CALCULATED	DEMAND:	114,000 VA	
													CC	NNECTED:	137 A	
													CALCULATED			
IOTES):															

	LOCATION: E SUPPLY FROM: S MOUNTING: S ENCLOSURE: N	VOLTS: 480/277 Wye PHASES: 3 WIRES: 4 SUB FEED LUGS: No										A.I.C. RATING: 22kA BUS RATING: 225 A MAINS TYPE: MLO MCB RATING: N/A					
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		A /A)		B 'A)		C /A)	POLES	TRIP (A)	LOAD CLASS.	CIRCU	JIT DESCRIPTION	СК	
1																2	
3 5																6	
7																8	
9																1	
11																1	
13																1	
15 17																1	
19																2	
21																2	
23																2	
25																2	
27																2	
29 31					6,500											3:	
	SUL1T11A	PNON	125	3	0,000		6,000									3	
35							0,000		6,000							3	
37					7,500	6,500										3	
	SUL4T11A	PNON	125	3			7,500	6,000		1 -00	3	125	PNON	SUL7T11A		4	
41		ТО	TAL 10	AD (\/A)-	20	500	40	F00	7,500							4	
				AD (VA):		,500		500		,000	4						
		I\	OTAL LO	OAD (A):		75	/	' 1	(65				,			
OAD C	ASSIFICATION		CONI	NECTED	LOAD	DEM	AND FA	CTOR	CALC	ULATE	D DEMAN	ID		DANE	L TOTALS		
PNON				58,000 V	4		100.00%	, D		58,000) VA			PANE	LIUIALS		
													С	ONNECTED:	58,000 VA		
													CALCULATE	D DEMAND:	58,000 VA		
													С	ONNECTED:	70 A		
													CALCULATE	D DEMAND:	70 A		
NOTES:			1			1			1								

	LOCATION: ELECTRICAL/FIRE S101K SUPPLY FROM: SUL1T11A MOUNTING: SURFACE ENCLOSURE: NEMA-1						VOLTS: 208/ PHASES: 3 WIRES: 4 ED LUGS: No	120 Wye		A.I.C. RATING: 10kA BUS RATING: 250 A MAINS TYPE: MCB MCB RATING: 250					
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	•		B (VA)		C VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCU	JIT DESCRIPTION	
1	L5-20 - IDF LEVEL 1 SOUTH	PNON	20	1	1,500										
3	L5-20 - IDF LEVEL 1 SOUTH	PNON	20	1 1			1,500	4.500							
5	L5-20 - IDF LEVEL 1 SOUTH	PNON	20	1	4.500			1,500							
7	L5-20 - IDF LEVEL 1 SOUTH	PNON	20	1	1,500		1 500								
9 11	L5-20 - IDF LEVEL 2 SOUTH L5-20 - IDF LEVEL 2 SOUTH	PNON PNON	20	1			1,500	1,500							
13	L5-20 - IDF LEVEL 2 SOUTH	PNON	20	1	1,500			1,500							
15	L5-20 - IDF LEVEL 2 SOUTH	PNON	20	1	1,500		1,500								
17	SECURITY - IDF LEVEL 1 SOUTH	PNON	20	1			1,000	1,500							
19	SECURITY - IDF LEVEL 1 SOUTH	PNON	20	1	1,500			1,000							
21	SECURITY - IDF LEVEL 1 SOUTH	PNON	20	1	1,000		1,500								
23	SECURITY - IDF LEVEL 2 SOUTH	PNON	20	1			,	1,500							
25	DDC CONTROLS (TCP) - LEVEL 1 SOUTH	PNON	20	1	500										
27															
29															
31															
33															
35															
37															
39															
41		то	TALLO	AD (\/A\-	0.5	.00	0.000		000						
				AD (VA):	6,5		6,000		,000						
		T	OTAL LO	DAD (A):	5	4	50		50						
LOAD (CLASSIFICATION			NECTED 18,500 V		DE	MAND FACTOR 100.00%	R CAL		ED DEMAN 00 VA	1D		PANE	L TOTALS	
				. 0,000	•				, .			COL	NNECTED:	18 500 VA	
												ALCULATED		<u> </u>	
														· · · · · · · · · · · · · · · · · · ·	
													NNECTED:		
												ALCULATED	DEMAND:	51 A	
NOTES	•		1												
	•														

LOCATION: ELECTRICAL/FIRE N101A SUPPLY FROM: SUL1T21A MOUNTING: SURFACE ENCLOSURE: NEMA-1							VOLTS: HASES: WIRES: D LUGS:	3 4	vvye		A.I.C. RATING: 10kA BUS RATING: 250 A MAINS TYPE: MCB MCB RATING: 250						
т	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		A 'A)	E (V	3 A)		C 'A)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	C		
	CONTROLS (TCP) - LEVEL 1 NORTH	PNON	20	1	500	1,500					1	20	PNON	L5-20 - IDF LEVEL 2 NORTH			
	- IDF LEVEL 1 NORTH	PNON	20	1 1			1,500	1,500	4.500	4.500	1	20	PNON	L5-20 - IDF LEVEL 2 NORTH			
	- IDF LEVEL 1 NORTH	PNON PNON	20	1 1	1 500	1 500			1,500	1,500	1	20	PNON PNON	L5-20 - IDF LEVEL 2 NORTH			
	- IDF LEVEL 1 NORTH - IDF LEVEL 1 NORTH	PNON	20	1 1	1,500	1,500	1,500	1,500			1	20 20	PNON	L5-20 - IDF LEVEL 2 NORTH SECURITY - IDF LEVEL 2 NORTH			
	RITY - IDF LEVEL 1 NORTH	PNON	20	1 1			1,500	1,500	500		' '	20	FINON	SECORITY - IDF LEVEL 2 NORTH			
	RITY - IDF LEVEL 1 NORTH	PNON	20	1 1	500				300								
	RITY - IDF LEVEL 1 NORTH	PNON	20	1			500										
	RITY - IDF LEVEL 1 NORTH	PNON	20	1					500								
)																	
3																	
5																	
7																	
)																	
l }																	
5																	
7																	
)																	
		TO	TAL LO	AD (VA):	5,5	500	6,5	00	4,0	000				•			
		T	OTAL L	OAD (A):	4	.8	5	6	3	33							
D CLASS	SIFICATION		CON	NECTED	LOAD	DEM	AND FAC	TOR	CALC	ULATED	DEMAN	ID		PANEL TOTALS			
N				16,000 V	4		100.00%			16,000	VA			PANEL TOTALS			
													C	CONNECTED: 16,000 VA			
													CALCULATI	ED DEMAND: 16,000 VA			
														CONNECTED: 44 A			
														ED DEMAND: 44 A			
													-, <u>-, -, -, -, -, -, -, -, -, -, -, -, -, -</u>				
ES:																	



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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 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

E8.017

City of Boise Stamps

SUH1B11A	42-SBP-01	SUL1B11A
SUH1B31A	SUH1B21A	SUL1B21A
42-GSWB-01		