

LOCATION: ELECTRICAL/FIRE N20 SUPPLY FROM: SL2T22B MOUNTING: SURFACE ENCLOSURE: NEMA-1					VOLTS: 208/120 Wye PHASES: 3 WIRES: 4 SUB FEED LUGS: No								A.I.C. RATING: 10kA BUS RATING: 100 A MAINS TYPE: MCB MCB RATING: 100			
кт	CIRCUIT DESCRIPTION			POLES					_	POLES	TRIP (A)	LOAD CLASS.		CK 1		
3	FCU-01-13 FCU-01-18	PMTR PMTR	20 20	1	30	38	30	38			2	15	PMTR	FCU-01-02		
5	FCU-01-01	PMTR	20	2			30	30	38	500	1	20	PNON	DDC CONTROLS (TCP) - LEVEL 1 NORTH		
7	1700-01-01	FINIT	20	2	38	1,000	00	700			1	20	PNON	DDC CONTROLS - LEVEL 1 NORTH		
9 11	FCU-02-01	PMTR	20	2			38	720	38	720	1 1	20 20	PREC PREC	REC - ELECTRICAL/FIRE REC - ELECTRICAL/FIRE		
13	FCU-03-01	PMTR	20	2	38	38				120	2		PMTR	FCU-02-02		
15							38	38	20	4.000		15				
17 19	FCU-01-20 FCU-01-19	PMTR PMTR	20 20	1	30	38			30	1,000	1	20	PNON	DDC CONTROLS - LEVEL 2 NORTH		
21	FCU-01-19	PMTR	20	1	50	30	30	38			2	20	PMTR	FCU-03-02		
23	FCU-01-11	PMTR	20	1					30	1,000	1	20	PNON	DDC CONTROLS - LEVEL 3 NORTH		
25	FCU-01-12	PMTR	20	1	30	702	F00	700			2	20	PMTR	FCU-B26-01,02,03		
27 29	1037 - WALK IN COOLER 1042 - EVAPORATOR COIL	PMTR PMTR	20 20	1			500	702	200	702						
31	1045 - EVAPORATOR COIL	PMTR	20	2	1,000	702			200	102	2	20	PMTR	FCU-B26-04,05,06		
33							1,000	702			2	20	PMTR	FCU-B26-07,08,09		
35 37	1046 - WALK IN FREEZER 2013 - WALK-IN	PMTR PMTR	20	1	200	200			500	702	1	20	PMTR	2017 - WALK-IN		
3 <i>1</i> 39	2014 - EVAPORATOR COIL	PMTR	20	1	200	200	400	1,400			· ·					
41	2021 - EVAPORATOR COIL	PMTR	20	1				,	400	1,400	2	20	PMTR	2026 - EVAPORATOR COIL		
43	2024 - WALK-IN	PMTR	20	1	200		100									
45 47	2033 - EVAPORATOR COIL 2032 - WALK-IN	PMTR PMTR	20	1			400		200							
47 <u>47</u> 49	2116 - WALK-IN COOLER	PMTR	20	1	400				200							
51	2121 - WALK-IN COOLER	PMTR	20	1			400									
53	2123 - WALK-IN FREEZER	PMTR	20	2	1.000				1,000							
55 57					1,000		1,000									
59	2124 - EVAPORATOR COIL	PMTR	20	2			1,000		1,000							
	2342, 2343 - WALK IN COOLER	PMTR	20	1	200		0.10									
63 65	2343 - WALK IN COOLER REC - AUDITORIUM	PMTR PREC	20 20	1			240		360							
67	REC - AUDITORIUM	PREC	20	I					360							
69																
71																
73 75																
75 77																
79																
81																
83		TO	TAL 1 0	AD (VA):	E	202	7 -	710	0.0	210						
				AD (VA): DAD (A):		382 !9		712	9,8	319 4						
AD (CLASSIFICATION		CONN	NECTED	LOAD	DEM	AND FAC	CTOR	CALC	ULATED	DEMAN	D		PANEL TOTALS		
ION				3,500 VA			100.00%			3,500 \						
ITR				18,112 VA			103.86%			18,812				ONNECTED: 23,412 VA		
REC				1,800 VA	1		100.00%)		1,800 \	VA	C		D DEMAND: 24,112 VA		
														ONNECTED: 65 A		
													ALCULATE	D DEMAND: 67 A		
															_	
TES	•		•									'				

LOCATION: ELECTRICAL N801D SUPPLY FROM: SH1D12B MOUNTING: SURFACE ENCLOSURE: NEMA-1					VOLTS: 480/277 Wye PHASES: 3 WIRES: 4 SUB FEED LUGS: No									A.I.C. RATING: 10kA BUS RATING: 100 A MAINS TYPE: MLO MCB RATING: N/A			
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	(V	A (A)		B /A)	1	C 'A)	POLES	TRIP (A)	LOAD CLASS.	CIRCU	JIT DESCRIPTION	СК	
1 3	SPF-R-01	PMTR	15	3	2,107	2,107	2,107	2,107			3	15	PMTR	SPF-R-02		4	
5	01 1 -11-01	TWITE	15				2,107	2,107	2,107	2,107		10	I WITT	011-11-02		6	
7																8	
9																1	
11																1	
13 15																1	
17																1	
19																2	
21																2	
23																2	
25																2	
27																3	
29 31																3	
33																3	
35																3	
37																3	
39																4	
41			TAL 10	AD 0/A)	4.5	10	4	010	4.4	240						4	
				AD (VA): OAD (A):	4,2 1	213 5		213 15		213 5							
OAD CI	LASSIFICATION			NECTED I		DEM	AND FA	CTOR	CALC	UI ATF	D DEMAN	ID					
PMTR				12,640 VA			112.50%		07.20	14,220		_		PANE	_ TOTALS		
				<u> </u>									С	ONNECTED:	12,640 VA		
												C	CALCULATE	D DEMAND:	14,220 VA		
													C	CONNECTED:	15 A		
													CALCULATE	ED DEMAND:	17 A		

	SUPPLY FROM: S MOUNTING: S ENCLOSURE: N	URFACE	801D		s		VOLTS: PHASES: WIRES: D LUGS:	3 4	Wye				MAINS TY	NG: 225 A (PE: MLO	BUS RATING: 225 A MAINS TYPE: MLO MCB RATING: N/A				
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		A		В		С	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION					
1 3	PDCP-R-01-01	PMTR	15	3	833	3,048	833	3,048	022	2.040	3	15	PMTR	PBP-R-02					
5 7 9	SCHWP-R-04	PMTR	15	3	833	3,991	833	3,991	833	3,048	3	25	PMTR	ACCU-R-01	+				
11 13			10		4,157	0	000	0,001	833	3,991			TMITT						
15 17	B-R-01	PMTR	30	3			4,157	0	4,157	0	3	15	PMTR	PBP-R-03 (REDUNDANT)					
19 21 23	B-R-02	PMTR	30	3	4,157	833	4,157	833	4,157	833	3	15	PMTR	PDCP-R-01-02					
25 27 29	B-R-03	PMTR	30	3	4,157	7,760	4,157	7,760	4,157	7,760	3	50	PMTR	DC-R-01					
31 33	B-R-04 (REDUNDANT)	PMTR	30	3	0	11,100	0	11,100	4,107	7,700	3	70	PMTR	SHHWP-R-01					
35 37					3,048				0	11,100					\pm				
39 41 43	PBP-R-01	PMTR	15	3	0		3,048		3,048						+				
45 47	SHHWP-R-02 (REDUNDANT)	PMTR	70	3	U		0		0										
49 51																			
53 55						2,204		0.004				F0	DNON DITT	CLDTOOD	4				
57 59				AD (VA): OAD (A):		,122 67		2,204 ,122 67		2,167 084 66	3	50	PNON; PMTR	SLP122B					
LOAD PNON	CLASSIFICATION			NECTED 6,500 V		DEN	AND FA		CALC	SULATE 6,500	DEMAN	D		PANEL TOTALS					
PMTR				131,828 \			106.32%			140,153				ONNECTED: 138,328 VA					
													C	ONNECTED: 166 A D DEMAND: 176 A					
NOTES	PANELBOARD: S	SL2B12	В																
NOTES		L2T12B URFACE	В		s		VOLTS: PHASES: WIRES: D LUGS:	4	Wye				A.I.C. RATI BUS RATI MAINS TY MCB RATI	NG: 100 A (PE: MCB					
NOTES CKT 1	PANELBOARD: S LOCATION: SUPPLY FROM: S MOUNTING: S	L2T12B URFACE	TRIP (A)	POLES 1			PHASES: WIRES: D LUGS:	3 4		C /A)	POLES	TRIP (A)	BUS RATI MAINS TY MCB RATI LOAD CLASS.	ING: 100 A (PE: MCB ING: 100 CIRCUIT DESCRIPTION					
CKT 1 3 5	CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER	L2T12B URFACE JEMA-1 LOAD CLASS. PNON; PREC PNON PCON	TRIP (A) 20 20 20 20	1 1 1	1,260	A /A) 38	PHASES: WIRES: D LUGS:	3 4 No B /A)		_	POLES 2 2	(A) 15	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR	ING: 100 A (PE: MCB ING: 100 CIRCUIT DESCRIPTION FC-01-09					
CKT 1 3 5 7	PANELBOARD: S LOCATION: SUPPLY FROM: S MOUNTING: S ENCLOSURE: N CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH	L2T12B URFACE JEMA-1 LOAD CLASS. PNON; PREC	TRIP (A) 20 20	1	(1	A (A)	PHASES: WIRES: D LUGS:	3 4 No B /A)	500	7A) 38	2	(A)	BUS RATI MAINS TY MCB RATI LOAD CLASS.	ING: 100 A (PE: MCB ING: 100 CIRCUIT DESCRIPTION					
CKT 1 3 5 7	CIRCUIT DESCRIPTION CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER	L2T12B URFACE IEMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON	TRIP (A) 20 20 20 20 20	1 1 1 1	1,260	A /A) 38	CHASES: WIRES: D LUGS: (V	3 4 No B /A)	(\)	/A)	2 2	(A) 15 15	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR PMTR	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06					
CKT 1 3 5 7 9 11 13 15 17	CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER FCU-01-03 PREC	L2T12B URFACE IEMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PCON PMTR PREC	TRIP (A) 20 20 20 20 15 20	1 1 1 1 2	1,260	A //A) 38 38	CHASES: WIRES: D LUGS: (V	3 4 No B /A) 38 38	500	7A) 38	2 - 2 - 2	15 15 15	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR PMTR PMTR	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-04					
CKT 1 3 5 7 9 11 13 15 17 19 21 23	CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER FCU-01-03 PREC ELECTRICAL METER ELECTRICAL METER	L2T12B URFACE EMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PCON PCON PCON PCON	TRIP (A) 20 20 20 15 20 20	1 1 1 1 2	1,260 500 720	A /A) 38 38 38 38	CHASES: WIRES: D LUGS: (V	3 4 No B /A) 38	500 38	38 38	2 2 2 2	(A) 15 15 15 15	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR PMTR PMTR PMTR	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-08					
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27	CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER FCU-01-03 PREC ELECTRICAL METER FCU-01-05 EF-01-03 FCU-02-04	L2T12B URFACE JEMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PCON PMTR PREC PCON PMTR PMTR PMTR	TRIP (A) 20 20 20 20 15 20 15 15	1 1 1 1 2 1 1 2 2 2	500 720	A /A) 38 38 38	CHASES: WIRES: D LUGS: (V	3 4 No B /A) 38 38	500 38 38 562	38 38 38 702	2 2 2 2 2 2 2 2 2 2	(A) 15 15 15 15 15 20 20	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR PMTR PMTR PMTR PMTR PMTR PMTR PMTR PMTR	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-08 FCU-02-03 FCU-B37-04,05,06 FCU-B37-07,08,09					
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33	CIRCUIT DESCRIPTION CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER FCU-01-03 PREC ELECTRICAL METER FCU-01-05 EF-01-03 FCU-02-04 FCU-03-03	L2T12B URFACE IEMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PMTR PREC PCON PMTR PMTR PMTR PMTR PMTR	TRIP (A) 20 20 20 15 20 15 15 15	1 1 1 1 2 1 1 2 2 2	1,260 500 720	A /A) 38 38 38 38	HASES: WIRES: D LUGS: (V	3 4 No B /A) 38 38 38	500 38 38	38 38 38	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(A) 15 15 15 15 15 20 20 20	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-08 FCU-02-03 FCU-B37-04,05,06 FCU-B37-10,11,12					
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37	CIRCUIT DESCRIPTION CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER FCU-01-03 PREC ELECTRICAL METER FCU-01-05 EF-01-03 FCU-02-04 FCU-03-04	L2T12B URFACE EMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PCON PCON PMTR PREC PCON PMTR PMTR PMTR PMTR PMTR PMTR	TRIP (A) 20 20 20 20 15 20 15 15 15 15	1 1 1 2 1 1 2 2 2 2	1,260 500 720 38	A //A) 38 38 38 38 702	HASES: WIRES: D LUGS: (V	3 4 No B /A) 38 38 38 702 702	500 38 38 562	38 38 38 702	2 2 2 2 2 2 2 2 1	(A) 15 15 15 15 15 20 20 20 20 20 20	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-08 FCU-02-03 FCU-B37-04,05,06 FCU-B37-10,11,12 FCU-B37-13,14,15 DDC CONTROLS (TCP) - LEVEL 1 SOUTH					
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35	CIRCUIT DESCRIPTION CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER FCU-01-03 PREC ELECTRICAL METER FCU-01-05 EF-01-03 FCU-02-04 FCU-03-03	L2T12B URFACE IEMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PMTR PREC PCON PMTR PMTR PMTR PMTR PMTR PMTR PMTR PMTR	TRIP (A) 20 20 20 20 15 20 15 15 15 15 20 20 20 20 20 20 20 20 20 20 20 20 20	1 1 1 1 2 1 1 2 2 2 2 2 2	38 38 702	A /A) 38 38 38 702 702 500	HASES: WIRES: D LUGS: (V	3 4 No B /A) 38 38 38 702 702 702	500 38 38 562 38 500	7A) 38 38 38 702 702 1,000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(A) 15 15 15 15 15 20 20 20 20	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR PMTR	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-08 FCU-02-03 FCU-B37-04,05,06 FCU-B37-10,11,12 FCU-B37-13,14,15					
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	PANELBOARD: S LOCATION: SUPPLY FROM: S MOUNTING: S ENCLOSURE: N CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER - FCU-01-03 PREC ELECTRICAL METER - FCU-01-05 - EF-01-03 - FCU-03-04 - FCU-03-04 - FCU-03-04 - FCU-B37-01,02,03 ELECTRICAL METER	L2T12B URFACE EMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PCON PMTR PREC PCON PMTR PMTR PMTR PMTR PMTR PMTR PMTR PMTR	TRIP (A) 20 20 20 15 20 15 15 15 15 15 15 15 15 15 15 15 15 15	1 1 1 2 1 1 2 2 2 2 2 2 2 AD (VA):	38 38 38 500 500 720 38	A /A) 38 38 38 38 702 702 500 349 45	HASES: WIRES: D LUGS: 0 LUGS: 0 1,000	3 4 No B (A) 38 38 38 702 702 702 1,000	500 38 38 562 38 500 4,9	7A) 38 38 38 702 702 702 1,000 930 11	2 2 2 2 2 2 1 1 1 1	(A) 15 15 15 15 15 20 20 20 20 20 20 20 20 20	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR PMTR	CIRCUIT DESCRIPTION CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-04 FCU-01-08 FCU-02-03 FCU-B37-04,05,06 FCU-B37-10,11,12 FCU-B37-13,14,15 DDC CONTROLS (TCP) - LEVEL 1 SOUTH DDC CONTROLS - LEVEL 2 SOUTH					
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	PANELBOARD: S LOCATION: SUPPLY FROM: S MOUNTING: S ENCLOSURE: N CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER FCU-01-03 PREC ELECTRICAL METER FCU-01-05 EF-01-03 FCU-02-04 FCU-03-03 FCU-03-04 FCU-03-04 FCU-B37-01,02,03 ELECTRICAL METER	L2T12B URFACE EMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PCON PMTR PREC PCON PMTR PMTR PMTR PMTR PMTR PMTR PMTR PMTR	TRIP (A) 20 20 20 15 20 15 15 15 15 15 15 CONI	1 1 1 2 1 1 2 2 2 2 2 2 2 2 AD (VA): OAD (A):	38 38 38 702 5,	A /A) 38 38 38 38 702 702 500 349 45	HASES: WIRES: D LUGS: 1,000 1,000 562 38 38 702 6,0 5	3 4 No B /A) 38 38 38 702 702 702 1,000 095 51	500 38 38 562 38 500 4,9	7A) 38 38 38 702 702 702 702 1,000 930 11 SULATEI 3,500	2 2 2 2 2 2 1 1 1 1 1 D DEMAN	(A) 15 15 15 15 15 20 20 20 20 20 20 20 20 20	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR PMON PNON PNON	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-08 FCU-837-04,05,06 FCU-B37-10,11,12 FCU-B37-13,14,15 DDC CONTROLS (TCP) - LEVEL 1 SOUTH DDC CONTROLS - LEVEL 2 SOUTH DDC CONTROLS - LEVEL 3 SOUTH					
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER FCU-01-03 PREC ELECTRICAL METER FCU-01-05 EF-01-03 FCU-02-04 FCU-03-03 FCU-03-04 FCU-03-04 FCU-B37-01,02,03 ELECTRICAL METER	L2T12B URFACE EMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PCON PMTR PREC PCON PMTR PMTR PMTR PMTR PMTR PMTR PMTR PMTR	TRIP (A) 20 20 20 20 15 20 15 15 15 15 15 CONI	1 1 1 2 1 1 2 2 2 2 2 2 2 2 AD (VA): OAD (A):	38 38 38 702 5,	A /A) 38 38 38 38 702 702 500 349 45	HASES: WIRES: D LUGS: 1,000 1,000 38 500 562 38 38 702 6,0 5 6,0	3 4 No BB/A) 38 38 38 702 702 702 702 1,000	500 38 38 562 38 500 4,9	7A) 38 38 38 702 702 702 1,000 930 11	2 2 2 2 2 2 1 1 1 1 1 D DEMAN VA	(A) 15 15 15 15 15 20 20 20 20 20 20 20 1D	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR PMON PNON PNON	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-08 FCU-837-04,05,06 FCU-B37-10,11,12 FCU-B37-13,14,15 DDC CONTROLS (TCP) - LEVEL 1 SOUTH DDC CONTROLS - LEVEL 2 SOUTH DDC CONTROLS - LEVEL 3 SOUTH					
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 LOAD PNON PMTR	PANELBOARD: S LOCATION: SUPPLY FROM: S MOUNTING: S ENCLOSURE: N CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER FCU-01-03 PREC ELECTRICAL METER FCU-01-05 EF-01-03 FCU-02-04 FCU-03-03 FCU-03-04 FCU-03-04 FCU-03-04 CLASSIFICATION	L2T12B URFACE EMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PCON PMTR PREC PCON PMTR PMTR PMTR PMTR PMTR PMTR PMTR PMTR	TRIP (A) 20 20 20 15 15 15 15 15 15 CONI	1 1 1 2 1 1 2 2 2 2 2 2 2 2 2 AD (VA): OAD (A):	38 38 38 38 500 500 720 5,	A /A) 38 38 38 38 702 702 500 349 45	HASES: WIRES: D LUGS: (V	3 4 No B (A) 38 38 38 702 702 702 702 1,000 095 51	500 38 38 562 38 500 4,9	7A) 38 38 38 702 702 702 1,000 930 41 SULATEI 3,500 9,174	2 2 2 2 2 2 1 1 1 1 1 1 1 1 D DEMAN VA VA	(A) 15 15 15 15 15 20 20 20 20 20 20 20 1D	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR CCCALCULATE CCCALCULATE	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-08 FCU-02-03 FCU-B37-04,05,06 FCU-B37-10,11,12 FCU-B37-13,14,15 DDC CONTROLS (TCP) - LEVEL 1 SOUTH DDC CONTROLS - LEVEL 2 SOUTH DDC CONTROLS - LEVEL 3 SOUTH PANEL TOTALS ONNECTED: 16,373 VA					
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 LOAD PNON PMTR PCON	PANELBOARD: S LOCATION: SUPPLY FROM: S MOUNTING: S ENCLOSURE: N CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER FCU-01-03 PREC ELECTRICAL METER FCU-01-05 EF-01-03 FCU-02-04 FCU-03-03 FCU-03-04 FCU-03-04 FCU-03-04 CLASSIFICATION	L2T12B URFACE EMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PCON PMTR PREC PCON PMTR PMTR PMTR PMTR PMTR PMTR PMTR PMTR	TRIP (A) 20 20 20 15 15 15 15 15 15 CONI	1 1 1 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 AD (VA): OAD (A): 8,893 V/ 2,000 V/	38 38 38 38 500 500 720 5,	A /A) 38 38 38 38 702 702 500 349 45	HASES: WIRES: D LUGS: 0 1,000 1,000 38 38 38 38 38 38 38 38 38 38 38 38 38	3 4 No B (A) 38 38 38 702 702 702 702 1,000 095 51	500 38 38 562 38 500 4,9	7A) 38 38 38 702 702 702 702 1,000 930 11 SULATEI 3,500 9,174 2,500	2 2 2 2 2 2 1 1 1 1 1 1 1 1 D DEMAN VA VA	(A) 15 15 15 15 15 20 20 20 20 20 20 20 1D	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR CCCALCULATE CCCALCULATE	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-08 FCU-837-04,05,06 FCU-B37-10,11,12 FCU-B37-13,14,15 DDC CONTROLS (TCP) - LEVEL 1 SOUTH DDC CONTROLS - LEVEL 2 SOUTH DDC CONTROLS - LEVEL 3 SOUTH PANEL TOTALS ONNECTED: 16,373 VA D DEMAND: 17,154 VA ONNECTED: 45 A					
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 LOAD PNON PMTR PCON	PANELBOARD: S LOCATION: SUPPLY FROM: S MOUNTING: S ENCLOSURE: N CIRCUIT DESCRIPTION REC - FIRE/DOM WTR/ELEC DDC CONTROLS - LEVEL 1 SOUTH ELECTRICAL METER ELECTRICAL METER FCU-01-03 PREC ELECTRICAL METER FCU-01-05 EF-01-03 FCU-02-04 FCU-03-03 FCU-03-04 FCU-03-04 FCU-03-04 CLASSIFICATION	L2T12B URFACE EMA-1 LOAD CLASS. PNON; PREC PNON PCON PCON PCON PMTR PREC PCON PMTR PMTR PMTR PMTR PMTR PMTR PMTR PMTR	TRIP (A) 20 20 20 15 15 15 15 15 15 CONI	1 1 1 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 AD (VA): OAD (A): 8,893 V/ 2,000 V/	38 38 38 38 500 500 720 5,	A /A) 38 38 38 38 702 702 500 349 45	HASES: WIRES: D LUGS: 0 1,000 1,000 38 38 38 38 38 38 38 38 38 38 38 38 38	3 4 No B (A) 38 38 38 702 702 702 702 1,000 095 51	500 38 38 562 38 500 4,9	7A) 38 38 38 702 702 702 702 1,000 930 11 SULATEI 3,500 9,174 2,500	2 2 2 2 2 2 1 1 1 1 1 1 1 1 D DEMAN VA VA	(A) 15 15 15 15 15 20 20 20 20 20 20 20 1D	BUS RATI MAINS TY MCB RATI LOAD CLASS. PMTR CCCALCULATE CCCALCULATE	CIRCUIT DESCRIPTION FC-01-09 FCU-01-06 FCU-01-08 FCU-837-04,05,06 FCU-B37-10,11,12 FCU-B37-13,14,15 DDC CONTROLS (TCP) - LEVEL 1 SOUTH DDC CONTROLS - LEVEL 2 SOUTH DDC CONTROLS - LEVEL 3 SOUTH PANEL TOTALS ONNECTED: 16,373 VA D DEMAND: 17,154 VA ONNECTED: 45 A					

LOCATION: ELECTRICAL/FIRE N501C SUPPLY FROM: SL5T22B MOUNTING: SURFACE ENCLOSURE: NEMA-1						VOLTS: 208/120 Wye PHASES: 3 WIRES: 4 SUB FEED LUGS: No								A.I.C. RATING: 10kA BUS RATING: 100 A MAINS TYPE: MCB MCB RATING: 100				
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		A 'A)		B /A)		C /A)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	СКТ			
<u>1</u> 3		D. 170				38	38	38			2	20	PMTR	FCU-04-02	4			
5	FCU-04-01	PMTR	20	2					38	1,000	1	20	PNON	DDC CONTROLS - LEVEL 4 NORTH	6			
7	FCU-05-01	PMTR	20	2	38	38	38	38			2	20	PMTR	FCU-05-02	8 10			
11	FOLL 06 04	DMTD	20	2			30	30	38	1,000	1	20	PNON	DDC CONTROLS - LEVEL 5 NORTH	12			
13	FCU-06-01	PMTR	20	2	38	38	200	200			2	20	PMTR	FCU-06-02	14			
15 17	FCU-07-01	PMTR	20	2			38	38	38	1,000	1	20	PNON	DDC CONTROLS - LEVEL 6 NORTH	16 18			
19						38				1,000	2	20	PMTR	FCU-07-02	20			
21 23								38		1,000	1	20	PNON	DDC CONTROLS - LEVEL 7 NORTH	22 24			
25 25										1,000		20	PNON	DDC CONTROLS - LEVEL / NORTH	26			
27															28			
29 31															30 32			
33															34			
35															36			
37 39															38 40			
41															42			
				AD (VA): OAD (A):		25 2		63 2		113 34								
	CLASSIFICATION		CON	NECTED I			AND FA		CALC		DEMAN	D		PANEL TOTALS				
PNON PMTR				4,000 VA 600 VA			100.00%			4,000 V				CONNECTED: 4 600 VA				
IVIIIX				000 771			100.107			010 0		CONNECTED: 4,600 VA CALCULATED DEMAND: 4,619 VA						
														ONNECTED: 13 A				
												(CALCULATE	ED DEMAND: 13 A				
														,				
NOTES	:					1			1									

	LOCATION: E SUPPLY FROM: S MOUNTING: S ENCLOSURE: N	8801D	VOLTS: 480/277 Wye PHASES: 3 WIRES: 4 SUB FEED LUGS: No									A.I.C. RATING: 22kA BUS RATING: 400 A MAINS TYPE: MLO MCB RATING: N/A				
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		A 'A)		B /A)	(V	- 1	POLES	TRIP (A)	LOAD CLASS.	CIRCI	UIT DESCRIPTION	
1 3	ACCU-R-02	PMTR	25	3	3,991		3,991									
5 7 9	SPF-R-03	PMTR	15	3	2,107		2,107		3,991							
11 13 15	SPF-R-04	PMTR	15	3	2,107				2,107							
~~~~	3PF-R-04		1	1 -	<u> </u>		2,107		2,107							
19 21 23					3											
25	mmmm	m	m	m	کر											_
29 31																
33 35																
37 39						2,538		2,038		0.000	3	50	PNON; PMTR	SLPT12B		
41		TO	TAL LO	AD (VA):	10,	741	10,	 ,241	10,2	2,000 204						
				OAD (A):		39	3	37	3	7						
	CLASSIFICATION			NECTED			AND FA		CALC	ULATED		ID		PANE	L TOTALS	
PNON PMTR				6,500 VA 24,687 V			100.00% 112.12%			6,500 V 27,680 V			Cı	ONNECTED:		
TIVITI				24,007 V7			112.12	<u> </u>		27,000	VA		CALCULATE			
														ONNECTED:		
													CALCULATE	D DEMAND:	41 A	
NOTES	<b>S</b> :		1			1			1							

	LOCATION: ELECTRICAL N801D SUPPLY FROM: SH1D12B MOUNTING: SURFACE ENCLOSURE: NEMA-1					VOLT PHASE WIRE B FEED LUG	<b>S</b> : 4	77 Wye		A.I.C. RATING: 22kA BUS RATING: 400 A MAINS TYPE: MLO MCB RATING: N/A			
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		)	B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	(
3	PE-05	VEL	80	3	15,075	15,07	75						
5						-,-		15,075					
7 9	PE-06	VEL	80	3	15,075	15,07	75						
11	1 2-00	VLL	00			10,0	3	15,075					
13	PE-07	VEL	90	2	15,075	15,07	75						_
15 17	PE-07	VEL	80	3		15,0	5	15,075					+
19				_	15,075								
21 23	PE-08	VEL	80	3		15,07	75	15,075					
25					22,308			15,075					
	SE-02	VEL	125	3		22,30	)8	00.000					
29 31								22,308					
33													
35 37													$\perp$
39													
41													
				AD (VA):	82,61		32,610	82,610					
		T	OTAL LO	OAD (A):	298		298	298					
OAD (	CLASSIFICATION		CONI	NECTED	LOAD	DEMAND I	ACTOR	CALCULA	TED DEMAI	ND			
/EL				247,829 V		82.00			220 VA	-		PANEL TOTALS	
											COI	NNECTED: 247,829 VA	
												DEMAND: 203,220 VA	
												NNECTED: 298 A	
										-   '	CALCULATED	DEMAND: 244 A	

	LOCATION: SUPPLY FROM: SL MOUNTING: SL ENCLOSURE: NE			SI		VOLTS: PHASES: WIRES: D LUGS:	3 4		A.I.C. RATING: 10kA BUS RATING: 100 A MAINS TYPE: MCB MCB RATING: 100					
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	(V	A /A)	B (V/		C (VA)	POLES	· ' '	LOAD CLASS.	CIRCUIT DESCRIPTION	C
3	FCU-04-03	PMTR	20	2	38	720	38			1	20	PREC	ELECTRICAL ROOM RECEPTACLES	
5 7	FCU-04-04	PMTR	20	2	38				38					
9 11	FCU-05-03	PMTR	20	2			38		38					
13 15	FCU-05-04	PMTR	20	2	38		38							
17 19	FCU-06-03	PMTR	20	2	38				38					
21 23	FCU-06-04	PMTR	20	2			38		38					
25 27	FCU-07-03	PMTR	20	2	38		38							
29 31	FCU-07-04	PMTR	20	2	38				38					
33	DDC CONTROLS - LEVEL 4 SOUTH	PNON	20	1			1,000							
	DDC CONTROLS - LEVEL 5 SOUTH	PNON	20	1					1,000					
	DDC CONTROLS - LEVEL 6 SOUTH	PNON	20	1	1,000		4.000							
	DDC CONTROLS - LEVEL 7 SOUTH DDC CONTROLS (TCP) - PENTHOUSE	PNON PNON	20 20	1			1,000		500					
41	DDC CONTROLS (TCF) - FENTHOUSE			AD (VA):	1,9	⊥ 945	2,18	88	1,688					
				DAD (A):	1	17	19	9	14					
LOAD (	CLASSIFICATION		CONI	NECTED	LOAD	DEM	IAND FAC	TOR	CALCULA	ATED DEMAN	1D			
PNON		II IOAIION					100.00%			500 VA			PANEL TOTALS	
PMTR	MTR			600 VA			103.13%		6	19 VA		C	CONNECTED: 5,820 VA	
PREC				720 VA			100.00%		7	'20 VA		CALCULATE	ED DEMAND: 5,839 VA	
													CONNECTED: 16 A	
												CALCULATE	ED DEMAND: 16 A	
NOTES	3:		1			1								



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Lumald.com

Seal / Signature

Project Name

MICRON BUILDING B42

Project Number

22-1717

Description

SCHEDULES - ELECTRICAL

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Scale
NOT TO SCALE

E8.019

City of Boise Stamps

SHPB42B	SHPB22B	SHPB12B
SL2B22B	SL2B12B	SHPB52B
SHPB32B	SL5B22B	SL5B12B