LOCATION: ELECTRICAL/FIRE S701C SUPPLY FROM: NL7T11A MOUNTING: SURFACE ENCLOSURE: NEMA-1					SI	VOLTS: 208/120 Wye PHASES: 3 WIRES: 4 SUB FEED LUGS: No						A.I.C. RATING: 35kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800			
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		A (A)	B (VA)		C 'A)	POLES	TRIP (A)	LOAD CLASS.	CIRCU	JIT DESCRIPTION	СК
1 3 5	NL7B11A	PNON; LTG; PREC	225	3	21,176		18,610	21,390							2 4 6
7	NL7B21A	Spare; PNON; LTG; PREC	225	3	19,673		20,313	18,573							8 10 12
13	NL7B31A	Spare; PNON; PMTR; PREC	225	3	11,010		10,515	12,925							14 16 18
19 21 23								12,020							20 22 24
25 27 29															26
31 33															32 34
35 37 39															36 38 40
41				 AD (VA): OAD (A):	51,8 43		49,438 412		888 44						42
LOAD (LTG	OAD CLASSIFICATION CONNECTE			NECTED 2,316 VA		DEMAND FACTOR		CALCULATED DEMAN 2,895 VA		ID		PANE	L TOTALS		
PNON PMTR	ON			25,200 VA 50 VA			125.00% 100.00% 125.00%		25,20			CC CALCULATED		154,186 VA 96.467 VA	
PREC			1	26,620 V	'A		53.95%		68,31				NNECTED:	428 A	
NOTES	<u> </u>														

VOLTS: 208/120 Wye

CALCULATED DEMAND

22,940 VA

26,780 VA

PHASES: 3

SUB FEED LUGS: No

CONNECTED LOAD DEMAND FACTOR

100.00%

61.48%

22,940 VA

43,560 VA

WIRES: 4

A.I.C. RATING: 22kA

BUS RATING: 225 A

MAINS TYPE: MLO

PANEL TOTALS

CONNECTED: 66,500 VA

CONNECTED: 185 A

CALCULATED DEMAND: 49,720 VA

CALCULATED DEMAND: 138 A

MCB RATING: N/A

PANELBOARD: NL7B14B

CIRCUIT DESCRIPTION

1 REC - LIVING S702A 3 REC - LIVING S702A 5 REC - LIVING S702A 7 REC - LIVING S702H

17 REC - PANTRY N702D 19 REC - PANTRY N702D 21 ESPRESSO - PANTRY N702D 23 ICE - PANTRY N702D 25 WATER - PANTRY N702D 7 REF - PANTRY N702D 29 REF - PANTRY N702D 31 REF - PANTRY N702D 33 REC - PANTRY N702D

13 COFFEE - PANTRY N702D

35 MICROWAVE - PANTRY N702D 37 REC - PANTRY N702D 39 MICROWAVE - PANTRY N702D 41 MICROWAVE - PANTRY N702D 43 MICROWAVE - PANTRY N702D 45 MICROWAVE - PANTRY N702D

47 REC - SEATING N702F 49 VEND - VENDING N702C 51 REC - PROJECT N707E

53 REC - PROJECT N707E 55 REC - CORRIDOR 57 REC - OPEN OFFICE 59 REC - OPEN OFFICE 61 REC - OPEN OFFICE 63 REC - OPEN OFFICE 65 REC - OPEN OFFICE 67 REC - OFF N707C/OFF 707B 69 REC - RECEPT 1892

73 COFFEE - EXEC LOUNGE N707D

83 MOTORIZED SHADES - N707B/C/D

79 REC - RECEPT 1892 81 REC - N708D

LOAD CLASSIFICATION

9 REC - N702A

SUPPLY FROM: NL7D14B

MOUNTING: SURFACE

ENCLOSURE: NEMA-1

LOCATION: ELECTRICAL/FIRE N701C

	LOCATION: ELECTRICAL/FIRE N601C SUPPLY FROM: NL6T14B MOUNTING: SURFACE ENCLOSURE: NEMA-1						VOLTS: 208/12 PHASES: 3 WIRES: 4 ED LUGS: No		A.I.C. RATING: 22kA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800			
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (VA		B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION
1 3	NL6B14B	Spare; PNON;	225	3	23,179		20,878					
5		LTG; PREC					,	19,720				
7 9	 NL6B24B	Spare; PNON;	225	3	20,960		20,900					
11	NLOD24b	PREC	223	3			20,900	21,480				
13		Spare; PNON;			7,500			,				
15 17	NL6B34B	PREC	225	3			7,580	9,060				
17								9,060				
21												
23												
25 27												
29												
31 33												
35												
37												
39												
41		TOI	ΓΔΙ Ι Ο	AD (VA):	51,6	39	49,358	50,260				
				DAD (A):			411	420				
LOAD (CLASSIFICATION		CON	NECTED	LOAD	DEN	MAND FACTOR	CALCULA	TED DEMAN	ND		DANIEL TOTAL O
LTG				337 VA			125.00%		1 VA			PANEL TOTALS
PNON				36,660 V			100.00%		60 VA			NECTED: 151,257 VA
PREC			1	14,260 V	′A		54.38%	62,1	130 VA			DEMAND: 99,211 VA
								_				NECTED: 420 A
											CALCULATED	DEMAND: 275 A
NOTES	:											

SUB FEED LUGS: No

LOAD TRIP A B C TRIP LOAD CLASS. (A) POLES (VA) (VA) (VA) POLES (A) CLASS.

DEMAND FACTOR CALCULATED DEMAND

1,470 VA

6,000 VA

32,000 VA

125.00%

100.00%

59.26%

CONNECTED LOAD

1,176 VA

6,000 VA

54,000 VA

BUS RATING: 225 A

MAINS TYPE: MLO

MCB RATING: N/A

CIRCUIT DESCRIPTION

PANEL TOTALS

CONNECTED: 61,176 VA

CALCULATED DEMAND: 39,470 VA

CALCULATED DEMAND: 110 A

CONNECTED: 170 A

PANELBOARD: NL6D14B

SUPPLY FROM: NL7D11A

MOUNTING: SURFACE

ENCLOSURE: NEMA-1

CKT CIRCUIT DESCRIPTION

LOAD CLASSIFICATION

LOCATION: ELECTRICAL/FIRE S601C SUPPLY FROM: NL6T11A MOUNTING: SURFACE ENCLOSURE: NEMA-1						VOLTS: 208/ PHASES: 3 WIRES: 4 ED LUGS: No	120 Wye	A.I.C. RATING: 35KA BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800					
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	A (VA)	B (VA)	C (VA)	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION		
<u>1</u> 3	NL6B11A	Spare; PNON;	225	3	18,401	19,720							
5		PREC	_				21,460						
7 9	NL6B21A	Spare; PNON;	225	3	18,536	19,000							
9	INLOBZ IA	LTG; PREC	223	3		19,000	18,560						
13		Spare; PNON;			14,040		5,233						
15	NL6B31A	PMTR; PREC	225	3		12,225	10.65-						
17 19		,					12,085						
21													
23													
25													
27													
29 31													
33													
35													
37													
39 41													
41		TO ⁻	ΓΔΙ ΙΩ/	AD (VA):	50,977	50,945	52,105						
				DAD (A):	425	425	434						
	CLASSIFICATION		CON	NECTED	LOAD DE	MAND FACTOR		TED DEMAN	ID		PANEL TOTALS		
LTG				256 VA		125.00%		320 VA					
PNON			2	23,100 V	4	100.00%		100 VA		CONNECTED: 154,027 VA			
PMTR				50 VA		125.00%		2 VA			DEMAND: 93,793 VA		
			1	30,621 V	Α	53.83%	70,	311 VA			NNECTED: 428 A		
PREC										CALCULATED	DEMAND: 260 A		
PREC													
PREC													

LOCATION: ELECTRICAL/FIRE N7010 SUPPLY FROM: NL7T14B MOUNTING: SURFACE ENCLOSURE: NEMA-1				701C 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	LOAD CLASS.	TRIP (A)	POLES	, (V	A (A)	B (VA		(V.		POLES	TRIP (A)	LOAD CLASS.	CIRCI	JIT DESCRIPTION	СК
1	BUON BBEO	005		22,540		00.700									2
3 NL7B14B 5	PNON; PREC	225	3			22,700		21,260							6
7				20,960				21,200							8
9 NL7B24B	Spare; PNON; PREC	225	3	_5,550		21,240									1
11	PREC							22,080							1
13	Spare; PNON;	005		11,620		40.000									1.
15 NL7B34B 17	PREC	225	3			10,920		11,540							1
19								11,540							2
21															2
23															2
25															2
27															2
29 31															3:
33															34
35															30
37															3
39															4
41	TO:		AD ()/A)-		100	540	00	F 4 (200						4:
			AD (VA): DAD (A):		120 59	54,8 457		54,8 45	580 57						
OAD CLASSIFICATION		CON	NECTED	LOAD	DEM	IAND FAC	TOR	CALC	ULATE	D DEMAN	D				
PNON			61,940 VA			100.00%			61,94				PANE	L TOTALS	
PREC			02,920 V			54.86%			56,46			CO	NNECTED:	164,860 VA	
						•						CALCULATED			
													NNECTED:	<u> </u>	
												CALCULATED			
IOTES:															

	LOCATION: E SUPPLY FROM: N MOUNTING: S ENCLOSURE: N	SURFACE	01D		SI	Р	VOLTS: HASES: WIRES:) LUGS:	3 4	Wye					ING: 100 A YPE: MCB	
СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	, (V	A (A)	E (V	_	(V	_	POLES	TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	СК
1	GUH-R-05	PMTR	20	1	180	1,200		,		,	2	30	PREC	L14-30R - EBM - ROOF	2
3	GUH-R-06	PMTR	20	1			180	1,200					TINEO	L14-301(- LDIVI - 1(OOI	4
5	REC - ELEVATOR CONTROLS S801A	PNON	20	1	100	1 000			180	1,200	2	30	PREC	L14-30R - EBM - ROOF	6
7 9	GUH-R-02 GUH-R-07	PMTR PMTR	20 20	1 1	180	1,200	180	1,200							1
11	GUH-R-08	PMTR	20	1 1			100	1,200	180	1,200	2	30	PREC	L14-30R - EBM - ROOF	1
13	REC - ROOF	PNON; PREC	20	1	900	1,200			100	1,200				1	1
15	REC - ROOF	PNON; PREC	20	1	550	1,200	1,260	1,200			2	30	PREC	L14-30R - EBM - ROOF	1
17	FAA LIGHTING	LTG	20	1			.,200	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	32	1,200		20	DDEO	144 20D FDM DOOF	1
19	L14-30R - EBM - ROOF	PREC		2	1,200	1,200					2	30	PREC	L14-30R - EBM - ROOF	2
21	L14-JUK - EDIVI - KUUF	PREC	30	2			1,200	1,200			2	30	PREC	L14-30R - EBM - ROOF	2
23	L14-30R - EBM - ROOF	PREC	30	2					1,200	1,200		30	PREU	L 14-30K - EDIVI - KOUF	2
25	LIT OUT - LOW - ITOO!	TILLO			1,200	1,200					2	20	PREC	PNON	2
27	L14-30R - EBM - ROOF	PREC	30	2			1,200	1,200	4.655	1.000			11110		2
29					4.000	4.000			1,200	1,200	2	20	PREC	PNON	3
31 33	L14-30R - EBM - ROOF	PREC	30	2	1,200	1,200	1 200	0			1			SPARE	3
35 35							1,200	U	1,200	0	1	20		SPARE	3
37	L14-30R - EBM - ROOF	PREC	30	2	1,200	0			1,200	U	1	20		SPARE	3
39				_	1,200	U	1,200	0			1	20		SPARE	4
41	L14-30R - EBM - ROOF	PREC	30	2			1,200		1,200	0	1	20		SPARE	4
		TOT	AL LO	AD (VA):	13,	260	12,4	420	11,		-		<u> </u>	- -	
				DAD (A):	1′		10		9						
OAD (CLASSIFICATION		CON	NECTED	LOAD	DEM	AND FAC	CTOR	CALCULATED DEMAND PANEL TOTALS						
TG				32 VA			125.00%			40 V	Α			FAILL TOTALS	
NON				720 VA			100.00%		720 VA		Ά		С	ONNECTED: 36,872 VA	
MTR				900 VA			105.00%	ı		945 V	'A	C	ALCULATE	D DEMAND: 24,315 VA	
REC			,	35,220 VA			64.20%			22,610				ONNECTED: 102 A	
				,						,				D DEMAND: 67 A	

Micron
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PORTLAND, OR 97204

SUITE 300



TEL 971.277.2370



pae-engineers.com



∑ Date Description

	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
Α	07/11/2024	PLAN CHECK RESPONSE 1
1	10/11/2024	ISSSUE FOR CONSTRUCTION

Project Name		140
	BUILDING B	642
Project Number		
22-1717 Description		

NOT TO SCALE

E8.015

City of Boise Stamps

NL7D11A	NL6D14B	NL6D11
NL7B14B	NL7B11A	NL7D14
-	-	NLPB12