

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
01/20/2021

Panel ID: A				Voltage: 208 / 120				Panel Type: NQ00				
Location: B.O.H./HALL				Phase: 3				Type Encl.: NEMA-1				
Mounting: SURFACE				Wire: 4								
Main Type: 200A MCB				Main Size: 225 Amps								
All phases to be balanced to within 10% using actual connected loads.												
CKT NO.	BRANCH CIRCUIT DESCRIPTION	CKT BKR SIZE	CKT BKR OPTION	N.E.C. LOAD (KVA)	ACTUAL LOAD (KVA)	PHASE	ACTUAL LOAD (KVA)	N.E.C. LOAD (KVA)	CKT BKR SIZE	CKT BKR OPTION	BRANCH CIRCUIT DESCRIPTION	CKT NO.
1	RTU-1	30/3	HR	2.352	2.352	A	4.308	4.308	HR	50/3	RTU-2	2
3	--	--	--	2.352	2.352	B	4.308	4.308	--	--	--	4
5	--	--	--	2.352	2.352	C	4.308	4.308	--	--	--	6
7	P.O.S. REC	20/1		0.900	0.900	A	0.400	0.400	LC-1	20/1	SHOW WINDOW LED MONITOR	8
9	BACKWRAP REC	20/1		0.180	0.180	B	0.000	0.000		20/1	SPACE	10
11	SPACE	20/1		0.000	0.000	C	0.000	0.000		20/1	SPACE	12
13	BACKWRAP REC	20/1		0.180	0.180	A	0.360	0.360		20/1	WRITING DESK REC	14
15	BACKWRAP TV REC	20/1		0.400	0.400	B	0.540	0.540		20/1	WRITING DESK REC	16
17	TC-1/LC-1	20/1	LO	0.200	0.200	C	0.044	0.044	LC-1	20/1	SHOW WINDOW LIGHTS	18
19	SALES WALL LIGHTS	20/1		0.561	0.561	A	1.200	1.200	LC-1	20/1	EXTERIOR SIGN	20
21	SALES LIGHTS (RM/EX)	20/1	LO	1.152	1.152	B	2.844	2.844	HR	35/3	RTU-3	22
23	LABORATORY LTS (RM/EX)	20/1	LO	0.320	0.320	C	2.844	2.844		--	--	24
25	SHOW WINDOW REC	20/1	LC-1	0.540	0.540	A	2.844	2.844		--	--	26
27	SALES GENERAL RECS	20/1		0.360	0.360	B	0.000	0.000	20/1		SPACE	28
29	INTERIOR SIGN	20/1		0.400	0.400	C	0.000	0.000			SPACE	30
31	DISPLAY CASE REC	20/1		0.900	0.900	A	0.000	0.000			SPACE	32
33	DISPLAY CASE REC	20/1		1.260	1.260	B	0.000	0.000			SPACE	34
35	RTU REC	20/1		0.360	0.360	C	0.000	0.000			SPACE	36
37	PANEL "C"	100/3		8.760	8.760	A	5.396	5.396	100/3		PANEL "B"	38
39	--	--	--	5.580	5.580	B	4.860	4.860	--	--	--	40
41	--	--	--	6.800	6.800	C	4.800	4.800	--	--	--	42
Actual Load Panel Summary				N.E.C. Load Panel Summary				Breaker Options (If Used):				
Phase A: 28.7 KVA				Phase A: 28.7 KVA				LCW - Wire Thru Lighting Contactor #				
Phase B: 23.8 KVA				Phase B: 23.8 KVA				LO - Lock-On Device				
Phase C: 22.4 KVA				Phase C: 22.4 KVA				IG - Isolated Ground Conductor				
Total: 75.0 KVA				Total: 75.0 KVA				LCW - Wire Thru Lighting Contactor#				
								HR - HACR Rated Circuit Breaker				

Panel ID: C				Voltage: 208 / 120				Panel Type: NQ00				
Location: LAB				Phase: 3				Type Encl.: NEMA-1				
Mounting: SURFACE				Wire: 4								
Main Type: MLO				Bus Amperage: 100 Amps								
All phases to be balanced to within 10% using actual connected loads.												
CKT NO.	BRANCH CIRCUIT DESCRIPTION	CKT BKR SIZE	CKT BKR OPTION	N.E.C. LOAD (KVA)	ACTUAL LOAD (KVA)	PHASE	ACTUAL LOAD (KVA)	N.E.C. LOAD (KVA)	CKT BKR SIZE	CKT BKR OPTION	BRANCH CIRCUIT DESCRIPTION	CKT NO.
1	SPACE	20/1		0.000	0.000	A	1.000	1.000	20/1		LENS CENTER LOCATE #104	2
3	VERTOMETER #130	20/1		0.200	0.200	B	0.180	0.180	20/1		COMPUTER #101	4
5	BRAN PAN #134 & FRAME BFR #154	20/1		1.240	1.240	C	0.180	0.180	20/1		EMPLOYEE TIME CLOCK #102	6
7	STKG KIT #152 & FLEX DRILL #153	20/1		1.300	1.300	A	1.000	1.000	20/1		LENS MAKER #109 (CS-7)	8
9	DBI DYE TANK #141	20/1		1.800	1.800	B	1.000	1.000	20/1		LAP SERVICE SAVER #105	10
11	CERAMIC HAND EDGER #127	20/1		0.780	0.780	C	0.720	0.720	20/1		BLOCKER #107 (SURFACE)	12
13	440 WECO EDGER #135	20/1		1.200	1.200	A	1.560	1.560	20/1		LENS REC #116	14
15	CS-7 BLKR #131 & VERTMTR #130	20/1		0.440	0.440	B	1.600	1.600	20/1		CYLINDER MACHINE #118	16
17	LENS COATING #138	20/1		0.720	0.720	C	1.600	1.600	20/1		CYLINDER MACHINE #118	18
19	BACKSIDE COATER #140	20/1		0.960	0.960	A	0.180	0.180	20/1		CHILLER #123 (ON-003-8)	20
21	SPACE	20/1		0.000	0.000	B	0.180	0.180	20/1		RECLAIM TANK #120	22
23	SPACE	20/1		0.000	0.000	C	1.560	1.560	20/2		AIR COMPRESSOR	24
25	SPACE	20/1		0.000	0.000	A	1.560	1.560	--	--	--	26
27	SPACE	20/1		0.000	0.000	B	0.180	0.180	20/1		GENERAL LAB REC	28
29	SPACE	20/1		0.000	0.000	C	0.000	0.000	20/1		SPACE	30
31	SPACE	20/1		0.000	0.000	A	0.000	0.000	20/1		SPACE	32
33	SPACE	20/1		0.000	0.000	B	0.000	0.000	20/1		SPACE	34
35	SPACE	20/1		0.000	0.000	C	0.000	0.000	20/1		SPACE	36
37	SPACE	20/1		0.000	0.000	A	0.000	0.000			SPACE	38
39	SPACE	20/1		0.000	0.000	B	0.000	0.000			SPACE	40
41	SPACE	20/1		0.000	0.000	C	0.000	0.000			SPACE	42
Actual Load Panel Summary				N.E.C. Load Panel Summary								
Phase A: 8.8 KVA				Phase A: 8.8 KVA				73.0 AMPS				
Phase B: 5.6 KVA				Phase B: 5.6 KVA				46.5 AMPS				
Phase C: 6.8 KVA				Phase C: 6.8 KVA				56.7 AMPS				
Total: 21.1 KVA				Total: 21.1 KVA				58.7 AMPS				
Breaker Options (If Used):												
TC - Wire Thru TimeClock												
LO - Lock-On Device												
IG - Isolated Ground Conductor												
Connected to Building Steel												
HR - HACR Rated Circuit Breaker												

Panel ID: B		Voltage: 208 / 120		Panel Type: NQ00								
Location: B.O.H./HALL		Phase: 3		Type Encl.: NEMA-1								
Mounting: SURFACE		Wire: 4										
Main Type: MLO		Main Size: 100 Amps										
All phases to be balanced to within 10% using actual connected loads.												
CKT NO.	BRANCH CIRCUIT DESCRIPTION	CKT BKR SIZE	CKT BKR OPTION	N.E.C. LOAD (KVA)	ACTUAL LOAD (KVA)	PHASE	ACTUAL LOAD (KVA)	N.E.C. LOAD (KVA)	CKT BKR SIZE	CKT BKR OPTION	BRANCH CIRCUIT DESCRIPTION	CKT NO.
1	WAITING ROOM REC	20/1		0.540	0.540	A	0.700	0.700	20/1		REFRIGERATOR REC	2
3	SPACE	20/1		0.000	0.000	B	1.200	1.200	20/1		MICROWAVE REC	3
5	HALL #105 REC	20/1		0.360	0.360	C	0.100	0.100	20/1		SECURITY ALARM	4
7	BOH/HALL #110, 111B, 111 REC	20/1		0.540	0.540	A	0.400	0.400	20/1		RECEPTION TV REC	8
9	RR/OFFICE/HALL LTS&FANS	20/1		0.560	0.560	B	0.720	0.720	20/1		RECEPTION REC	10
11	STORG/HALL/RECPN/WTG LTS	20/1	LO	0.320	0.320	C	0.540	0.540	20/1		PRETEST ROOM REC	12
13	RESTROOM REC	20/1		0.720	0.720	A	0.720	0.720	20/1		CONTACT ROOM REC	14
15	OFFICE 119 REC	20/1		0.720	0.720	B	1.260	1.260	20/1		EXAM RM #1 REC	16
17	TELEPHONE HD REC	20/1	LO	0.720	0.720	C	1.260	1.260	20/1		EXAM RM #2 REC	18
19	EXAM LTS & FANS	20/1	LO	0.276	0.276	A	0.000	0.000	20/1		SPACE	20
21	SPACE	20/1		0.000	0.000	B	0.000	0.000	20/1		SPACE	22
23	WATER HEATER	20/2		1.500	1.500	C	0.000	0.000	20/1		SPACE	24
25	--	--		1.500	1.500	A	0.000	0.000			SPACE	26
27	BWC REC	20/1		0.400	0.400	B	0.000	0.000			SPACE	28
29	SPACE			0.000	0.000	C	0.000	0.000			SPACE	30
31	SPACE			0.000	0.000	A	0.000	0.000			SPACE	32
33	SPACE			0.000	0.000	B	0.000	0.000			SPACE	34
35	SPACE			0.000	0.000	C	0.000	0.000			SPACE	36
37	SPACE			0.000	0.000	A	0.000	0.000			SPACE	38
39	SPACE			0.000	0.000	B	0.000	0.000			SPACE	40
41	SPACE			0.000	0.000	C	0.000	0.000			SPACE	42
Actual Load Panel Summary				N.E.C. Load Panel Summary				Breaker Options (If Used):				
Phase A: 5.4 KVA				Phase A: 5.4 KVA				LG# - Wire Thru Lighting Contactor #				
Phase B: 4.9 KVA				Phase B: 4.9 KVA				LG - Lock-On Devices				
Phase C: 8.8 KVA				Phase C: 4.0 KVA				LG - Tech. Equipment Conductor				
Total: 15.1 KVA				Total: 15.1 KVA				Connected to Building Steel				
								HR - HCCR Rated Circuit Breaker				