

EXISTING PANEL UNASSIGNED (NOTE 1) (ALTERNATE #3)																					
CKT	LOAD TYPE	LOAD KVA	DESCRIPTION	C	PH	N	G	CB	PHASE			CB	PH	N	G	C	DESCRIPTION	LOAD KVA	LOAD TYPE	CKT	
									A	B	C										
1	O		WATER COOLER						0.000								EXISTING	RECEPTACLES		R 2	
3	R		RECEPT - HALL						0.000								EXISTING	LIGHTS		L 4	
5	O		ICE MACHINE						0.000								EXISTING	RECEPTACLES "OFF"		R 6	
7	S								0.000											K 8	
9	S		FEED TO PANEL						0.000								EXISTING	HOOD EXHAUST FAN		K 10	
11	S								0.000											K 12	
13	L		LTS - CONFERENCE ROOM						0.000								EXISTING	3-DOOR REFRIGERATOR		K 14	
15	H		FCU-1C, FCU-2C, EF						0.000								EXISTING	COMPUTER - LEFT SIDE		O 16	
17	H		UC-5C, UC-6C						0.000								EXISTING	COMPUTER - RIGHT SIDE		O 18	
19	O		EXISTING LOAD						0.000								EXISTING	RECEPT - LEFT WALL		R 20	
21	O								0.000								EXISTING	RECEPT - BACK WALL		R 22	
23	H		ACH/HEAT PUMP - ROOF						0.000								EXISTING	RECEPT - RIGHT WALL		R 24	
25	H								0.000									SPACE		O 26	
27	O		SPACE						0.000									SPACE		O 28	
29	O		FIRE SUPPRESSION "ON"						0.000									SPACE		O 30	
LOAD TOTAL:									0.00	0.00	0.00										
LOAD TYPE									CONNECTED	DEMAND			FED FROM:			EXISTING MDP					
208Y/120 V									3 PHASE	4 WIRE			(R) RECEPTACLES	0.00	100%	0.00	MOUNT: SURFACE				
MAINS: MCB									100 A MCB	(M) MOTOR	0.00	100%	0.00	NEMA: 1							
10000 AIC									SE LABEL	(H) HVAC	0.00	100%	0.00	MFG/MODEL#: SQUARE-D/NOOD							
									(L) LIGHTING	0.00	125%	0.00									
									(O) OTHER	0.00	100%	0.00									
									(K) KITCHEN EQUIP	0.00	100%	0.00									
TOTAL:									0.00	0%	0.00										
NOTES:																	PANEL TOTALS				
1. REFER TO PANEL SCHEDULE Z.																	PHASE A	0.000	KVA	0.0	AMP
2.																	PHASE B	0.000	KVA	0.0	AMP
3.																	PHASE C	0.000	KVA	0.0	AMP
4.																					

PANEL ZL (PART OF ALTERNATE #3)																								
CKT	LOAD TYPE	LOAD KVA	DESCRIPTION	C	PH	N	G	CB	PHASE			CB	PH	N	G	C	DESCRIPTION	LOAD KVA	LOAD TYPE	CKT				
									A	B	C													
1	R	0.360	RECEPT - CT0	3/4"	12	12	12	20	1.260				20	12	12	12	3/4"	WATER COOLER (NOTE 2)	0.900	O 2				
3	R	0.720	RECEPT - C05, CT1, CT2, CT3	3/4"	12	12	12	20	1.080				20	12	12	12	3/4"	RECEPT - HALL (NOTE 2)	0.360	R 4				
5	R	0.900	RECEPT - C05, C05A, C05A.1, C05C	3/4"	12	12	12	20				1.800					20	12	12	12	3/4"	ICE MACHINE (NOTE 2)	0.900	O 6
7	R	0.540	RECEPT - C05B	3/4"	12	12	12	20	1.160								20	12	12	12	3/4"	LTS - CONFERENCE ROOM (NOTE 2)	0.620	L 8
9	R	0.360	RECEPT - C05A	3/4"	12	12	12	20			1.062						20	12	12	12	3/4"	FCU-1C, FCU-2C, EF (NOTE 2)	0.702	H 10
11	O	1.200	MICROWAVE - C05A	3/4"	12	12	12	20			1.650						20	12	12	12	3/4"	UC-5C, UC-6C (NOTE 2)	0.450	H 12
13	O	0.900	EWC - C05 (NOTE 1)	3/4"	12	12	12	20	1.300								20	12	12	12	3/4"	FIRE SUPPRESSION (NOTE 2)	0.400	O 14
15	L	0.572	LTS - C05 (NOTE 3)	3/4"	10	10	10	20	1.292								20	12	12	12	3/4"	RECEPT - OFFICE (NOTE 2)	0.720	R 16
17	L	0.796	LTS - C05A, C05B, C05C, C05E, CT1, CT2 (NOTE 3)	3/4"	10	10	10	20	1.346								20	12	12	12	3/4"	LIGHTS (NOTE 2)	0.550	L 18
19	O	1.200	REFRIGERATOR - C05A	3/4"	12	12	12	20	1.920								20	12	12	12	3/4"	RECEPT - OFFICE (NOTE 2)	0.720	R 20
21	R	0.360	RECEPT - C05A	3/4"	12	12	12	20			1.440											1.080	K 22	
23	H	0.366	ALTERNATE #3 - FANS EF-1 AND EF-2	3/4"	12	12	12	15			1.476		15	10	N/A	10	3/4"	HOOD EXHAUST FAN (NOTE 2)				1.080	K 24	
25	O	1.200	COPPER	3/4"	12	12	12	20	2.280													1.080	K 26	
27	O	1.500	PARKING GATE	1"	8	8	10	20	2.460								20	12	12	12	3/4"	3-DOOR REFRIGERATOR (NOTE 2)	0.960	K 28
29	O		SPARE					20			0.960						20	12	12	12	3/4"	COMPUTER - LEFT SIDE (NOTE 2)	0.960	O 30
31	O		SPARE					20	0.960								20	12	12	12	3/4"	COMPUTER - RIGHTS SIDE (NOTE 2)	0.960	O 32
33	O		SPARE					20	0.720								20	12	12	12	3/4"	RECEPT - LEFT WALL (NOTE 2)	0.720	R 34
35	O		SPARE					20			0.720						20	12	12	12	3/4"	RECEPT - BACK WALL (NOTE 2)	0.720	R 36
37	O		SPARE					20	0.720								20	12	12	12	3/4"	RECEPT - RIGHT WALL (NOTE 2)	0.720	R 38
39	H	6.240	EXISTING ACH/HEAT PUMP (NOTE 2)	1 1/4"	3	N/A	6	80	6.240													20	O 40	
41	H	6.240						20			6.240												O 42	
43	O		SPARE					20	0.000														O 44	
45	O		SPARE					20	0.000														O 46	
47	O		SPACE					20			0.000												O 48	
49	O		SPACE					20	0.000														O 50	
51	O		SPACE					20	0.000														O 52	
53	O		SPACE					20			0.000												O 54	
55	O		SPACE					20	0.000														O 56	
57	O		SPACE					20	0.000														O 58	
59	O		SPACE					20	0.000														O 60	
LOAD TOTAL:									9.60	14.29	14.19													
LOAD TYPE									CONNECTED	DEMAND			FED FROM:			EXISTING MDP								
208Y/120 V									3 PHASE	4 WIRE			(R) RECEPTACLES	7.20	100%	7.20	MOUNT: SURFACE							
MAINS: MLO									225 A BUS	(M) MOTOR	0.00	100%	0.00	NEMA: 1										
22000 AIC									SE LABEL	(H) HVAC	14.03	100%	14.03											
									(L) LIGHTING	2.54	125%	3.17												
									(O) OTHER	10.12	100%	10.12												
									(K) KITCHEN EQUIP	4.20	100%	4.20												
TOTAL:									38.09	102%	38.72													
NOTES:																	PANEL TOTALS							
1. PROVIDE GFCI CIRCUIT BREAKER.																	PHASE A	9.790	KVA	81.3	AMP			
2. EXISTING LOAD MOVED FROM UNASSIGNED PANEL TO THIS PANEL.																	PHASE B	14.532	KVA	121.1	AMP			
3. (CIRCUIT FEEDS EMERGENCY LIGHTS) ⚠																	PHASE C	14.428	KVA	120.2	AMP			
4.																								



1. THESE DRAWINGS ARE THE SOLE PROPERTY OF THE STATE OF NORTH CAROLINA. THE USE OF THESE DRAWINGS MUST COMPLY WITH GOOD STATE OF NORTH CAROLINA STANDARD FORM OF AGREEMENT BETWEEN OWNER AND DESIGNER.  
2. MATERIALS, DIMENSIONS AND ALL OTHER CONDITIONS WHICH ARE NOT OTHERWISE SPECIFIED ON THIS DRAWING SHALL BE CONTROLLED BY HAVING THE SAME MEANING AS SIMILARLY INDICATED CONDITIONS WHICH ARE MORE FULLY DEFINED ELSEWHERE ON THIS PROJECT OR OTHER DRAWINGS OF THIS PROJECT.  
3. DO NOT SCALE OFF DIMENSIONS.

NO.	DATE	DESCRIPTION
1	02/20/2024	ADDENDUM 01