

EQUIPMENT CONNECTION SCHEDULE																	
MARK	DESCRIPTION	UNIT VOLTAGE	PHASE	FULL LOAD AMPS	MCA	MOPC	CIRCUIT NUMBER	# OF POLES	DISCONNECT			STARTER			FEEDER		REMARKS
									TYPE	ENCL. RATING (NEMA)	FUSE SIZE AMPS*	TYPE	ENCL. RATING (NEMA)	NEMA SIZE	SETS	WIRE AND CONDUIT	
DEF-1	DISHWASHER EXHAUST FAN	120	1	4.3	-	15	BP1-46	1	T-15A	3R	1	-	-	-	1	(2)#12, (1)#12G, IN 3/4C	KH-3 & E/M
RCP-1	RECIRCULATION PUMP	120	1	3.0	-	15	BP1-48	1	T-15A	3R	1	-	-	-	1	(2)#12, (1)#12G, IN 3/4C	AQUASTAT
REMARKS AND TABLE ABBREVIATIONS:																	
GENERAL		STARTERS			DISCONNECTS				CONTROLLERS								
ENCL. -	ENCLOSURE	MS -	MAGNETIC OR SOLID STATE			S - SAFETY SWITCH				I - INTERLOCK							
PWE -	PROVIDED WITH EQUIPMENT. WIRING CONNECTIONS BY EC.	2 -	2-SPEED, ADDED TO PREVIOUS			T - TOGGLE TYPE				BCS - BUILDING CONTROL SYSTEM							
PBO -	PROVIDED BY OTHERS.	VFD -	VARIABLE FREQUENCY DRIVE			P - CORD AND PLUG				EM- EQUIPMENT MANUFACTURER CONTROLS							
* -	SEE SPECIFICATIONS FOR TYPE.	C -	COMBINATION STYLE			C - COMBINATION STYLE				C - COMBINATION STYLE							
		R -	INTERPOSING RELAY			CB - CIRCUIT BREAKER											
		M (OR T) -	MANUAL - SEE DISCONNECT FOR T.														
GENERAL NOTES																	
(1) ALL WIRE SIZING INDICATED ON SCHEDULE IS FOR PRICING ONLY. ELECTRICAL CONTRACTOR TO FINALIZE WIRE AND CONDUIT PATH AND ENSURE WIRE IS SIZED APPROPRIATELY, COMPLYING WITH NEC REQUIRED VOLTAGE DROP REQUIREMENTS.																	

LIGHT FIXTURE SCHEDULE											
MARK	MANUFACTURER	CATALOG NUMBER	NO.	LAMP	TYPE	FIXTURE VOLTAGE	FINISH	MOUNTING	FIXTURE VA	REMARKS/DESCRIPTION	SPECIFIC NOTES
A	BASELITE	SIW6420S8BKCC	120		PHILIPS 565838	120	POWDER COAT BRASS	PENDANT - 8" BLACK	7	PROVIDE AN LED MEDIUM BASE CLEAR LAMP	
B	BASELITE	FWD10-50-375WRC-BLCC	LED			120	NAVY BLUE	PENDANT	375	PENDANT MOUNTED FOOD WARMER	
E1	LIGHTOLIER	SD7RSLM210SCTUW	LED	DRIVER	120	BLACK	J-BOX	14	LED DOWNLIGHT		4
E2	LIGHTOLIER	SD7RSLM210SCTUW	LED	DRIVER	120	WHITE	J-BOX	14	LED DOWNLIGHT		
F	AEL	CLQ24-S-S-M	LED	DRIVER	120	STANDARD	RECESSED	50	NSF RATED FLAT PANEL		
H	AEL	GWP-4896-27-345K-W	LED	DRIVER	120	WHITE	SURFACE	72	EXTERIOR WALL PACK		
L	VISUAL COMFORT & CO.	8837401ENS-12	1	A19 MEDIUM BASE	120	WHITE	VANITY	9	2" VANIY FXTURE		3
P1	CAPITAL	344813WK	1	PHILIPS 549493	120	STANDARD	PENDANT	8	DECORATIVE PENDANT		
P2	CAPITAL	344842WK	4	PHILIPS 545337	120	STANDARD	PENDANT	22	DECORATIVE PENDANT		
P3	CAPITAL	344864WK	6	PHILIPS 545337	120	STANDARD	PENDANT	30	DECORATIVE PENDANT		
T1	JUNO	R2BL R4BL & RB8L	LED	R6001-3-HC-N-SL	120	BLACK	TRACK MOUNT	10	LED BLACK TRACK MOUNT WITH BLACK TRACK HEAD		1
T2	JUNO	R2BL R4BL & RB8L	LED	R6001-3-HC-N-SL	120	WHITE	TRACK MOUNT	10	LED WHITE TRACK MOUNT WITH WHITE TRACK HEAD		1
U	KASON	1809-3	LED	DRIVER	120	STANDARD	SURFACE	32	17" LED WALK-IN LIGHT		
X1	AEL	EMA-1-SDT	LED	LEDS W/ UNIT	120	WHITE	SURFACE	NA	EMERGENCY EGRESS FIXTURE		2
X2	AEL	XEMRU-2-R-W-SDT	LED	LEDS W/ UNIT	120	WHITE	SURFACE	3.8	EMERGENCYEXIT COMBO		2
X3	AEL	XSU-2-R-W-EM-SDT	LED	LEDS W/ UNIT	120	WHITE	SURFACE	3.8	EXIT SIGN		2

GENERAL NOTES (APPLY TO ALL LIGHTING):

A ALL LIGHTING FIXTURES SHALL BE RATED FOR LIGHTING POWER CIRCUIT VOLTAGE. CONTRACTOR MUST VERIFY ALL LOCATIONS.

B ELECTRICAL CONTRACTOR SHALL CHECK AND COORDINATE ALL LIGHTING FIXTURE CATALOG NUMBERS WITH THE INTENT OF FIXTURE DESCRIPTIONS, LISTED ACCESSORIES AND TYPE OF INSTALLATION.

C ELECTRICAL CONTRACTOR SHALL PROVIDE EACH LIGHTING FIXTURE COMPLETE WITH PLASTER FRAMES AND ALL OTHER INSTALLATION AND HANGING HARDWARE AS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION AT EACH FIXTURE LOCATION.

D ALL FIXTURES SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) AND LABELED. ALL LIGHTING FIXTURES EXPOSED TO WEATHER, MOISTURE, OR OTHER ENVIRONMENTS SHALL BEAR THE APPLICABLE ENVIRONMENTAL OR APPLICATION LABEL.

E SIGNS TO READ "EXIT". SIGNS WILL BE SINGLE OR DOUBLE FACE, WITH OR WITHOUT DIRECTIONAL ARROWS, AS SHOWN ON PLANS. SIGNS IN GENERAL WILL BE CEILING MOUNTED, LOCATED AND ADJUSTED FOR BEST VIEW. PENDANTS SHALL NOT BE USED UNLESS SPECIFICALLY INDICATED ON PLANS. SHADED PORTION OF EXIT SYMBOL DENOTES ILLUMINATION FACE.

F VERIFY ALL LIGHTING FIXTURE LOCATIONS, FINISHES, AND CEILING TYPES WITH ARCHITECT PRIOR TO INSTALLING. VERIFY VOLTAGE WITH ENGINEER PRIOR TO INSTALLING.

G INSTALLATION ELEVATION SHOWN IS FROM AFF OR AFO AS OBVIOUSLY APPLICABLE, TO CENTER OF OUTLET BOX, UNLESS OTHERWISE NOTED.

H FIXTURE SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR APPROVAL. BUSINESS DAYS PRIOR TO BID. SUBMIT CUT SHEETS OF SPECIFIED ITEM ALONG WITH A CUT SHEET OF THE DESIRED SUBSTITUTION, WITH ALL DIFFERENCES NOTED. EMAIL CUT SHEETS INCLUDING PHOTOMETRIC INFORMATION TO ENGINEER. FAX TRANSMISSIONS ARE NOT ACCEPTABLE.

I SUBSTITUTIONS NOT SUBMITTED AS PER THIS PROCEDURE WILL NOT BE CONSIDERED. THE ENGINEER'S DECISION OF APPROVAL OR DISAPPROVAL OF A PROPOSED SUBSTITUTE SHALL BE FINAL. SHOP DRAWINGS DIFFERENCES SHALL BE SPECIFICALLY NOTED ON THE SHOP DRAWINGS. THIS INCLUDES BUT IS NOT LIMITED TO: FIXTURE SUBSTITUTIONS, LAMPS, VOLTAGE, MOUNTING, PHYSICAL DIMENSIONS AND FINISHES. FAILURE TO COMPLY DOES NOT RELIEVE THE CONTRACTOR OF DESIGN DOCUMENT INTENTION AND WILL NOT BE REASON FOR ADDITIONAL REIMBURSEMENT. ADDITIONAL REQUIREMENTS MAY BE FOUND ELSEWHERE IN THE DRAWINGS OR SPECIFICATIONS.

SPECIFIC NOTES (AS REFERRED TO IN SCHEDULE):

1 PROVIDE CURRENT LIMITING FOR TRACK LIGHTING.

2 PROVIDE FIXTURE WITH BATTERY BACKUP.

3 INSTALL LOWEST POINT OF FIXTURE WITH TOP OF MIRROR.

4 ALL EXPOSED CABLING FOR LIGHT FIXTURES LOCATED IN ARCHITECTURAL CLOUD TO BE BLACK.

CONTACT INFORMATION

CONTACT AGENT LIGHTING FOR NATIONAL ACCOUNT LIGHTING PACKAGE PRICING

10322 STONEGATE LANE
SUITE 100
WICHITA, KS 67206
(316) 636-1278

PANEL "BK1" EXISTING				BRANCH PANELBOARD - NORMAL POWER																			
LOCATION: Kitchen				VOLTAGE: 208/120		A.L.C.: 22000A		Load Type		FED FROM: MDP-1 Surface				PHASE: Three		MANS: 400A		M.C.B: N/A		L= Lighting, R=Receptacle, M=Motors, H= Hospital K=Kitchen, H=Heat, M=Misc			
MOUNTING: ENCLOSURE: Type 1																							
CKT	LOAD DESCRIPTION	TRIP	POLE	TYPE	PHASE	A	PHASE	B	PHASE	C	TYPE	POLE	TRIP	LOAD DESCRIPTION	CKT								
1	DISHWASHER	60	3	M		6300	1300				M	3	20	HEATED CAB	2								
3	HEATED LAMP	20	1	L			6300	1300			M	1	20	HEATED CAB	4								
5	ICE MAKER	20	1	M		1100					M	1	20	HEATED CAB	6								
7	GAS OVEN	20	1	M			1300	1100			M	1	20	HEATED CAB	8								
9	GAS OVEN	20	1	M					700		M	1	20	KITCHEN EQUIPMENT	10								
11	SHUNT TRIP	20	1	M		0					M	1	20	SHUNT TRIP	12								
13	FREEZER	20	1	R			300	1100	0	2567	M	1	20	HEAT TRACE	14								
15	FRYER	20	1	M		500	2567				M	3	30	MUA CU 1	16								
17	BAG IN A BOX	20	1	M			500	2567			M	1	20	MUA CU 1	18								
19	REFRIGERATOR STAND	20	1	R					300	2567	M	1	20	MUA CU 1	20								
21	SHUNT TRIP	20	1	R		0	2567				M	3	30	MUA CU 2	22								
23	SLICER	20	1	R			700	2567			M	1	20	MUA CU 2	24								
25	FRIDGE	15	1	R				300	700	800	R	1	15	SANDWICH PREP	26								
27	COOLER	20	1	R		200	500				R	1	20	RCPT KITCHEN	28								
29	DRINKING STATION	20	1	R			1200	1200			R	1	20	DRINKING STATION	30								
31	DRINKING STATION	20	1	R					1200	1200	R	1	20	DRINKING STATION	32								
33	TEA MAKER	20	1	R		1200	1200				R	1	20	TEA MAKER	34								
35	FRIDGE	20	1	R			300	200		500	R	1	20	RCPT AT BAR	36								
37	RCPT: TOGO	20	1	R				500	400	800	R	1	20	COUNTERTOP RCPT	38								
39	GEN RCPT	20	1	R		1100	200				L	1	20	#2 COOLER LCT	40								
41	FREEZER LTG	20	1	L			200	900		900	M	2	50	FREEZER CU	42								
43	COOLER CU	30	2	M		2000	2675				M	2	50	FREEZER CU	44								
45	UNKNOWN	30	2	M			2000	2675			M	3	30	UNKNOWN	46								
47	HOOD-2	20	1	M		200	200				M	1	20	HOOD-1	48								
49	KEF-2	15	3	M		600	600	1300			M	3	20	KEF-1	50								
51	KEF-1	15	3	M		600	1300		600	1300	M	3	20	KEF-2	52								
53	SPARE	20	1	M				200		800	M	1	20	COOLER AT BAR	54								
55	SMOKER	20	1	M					200		M	1	20	HW WIRING PUMP	56								
57	SMOKER	20	1	M		700	1100				L	1	20	HEAT LAMP	58								
59	BAG IN A BOX	20	1	M				500			M	1	20	BAG IN A BOX	60								
61	RCPT KITCHEN 1	20	1	R						1000	M	1	20	DEHUMIDIFIER	62								
TOTAL LOAD (KVA)				27.1124373		29.2124373		30.7124373															
TOTAL AMPS/PHASE				230.94		243.44		255.94															

NOTES:
(1) EXISTING CIRCUITRY SHOWN IN LIGHT GREY. DEMOLISHED CIRCUITRY SHOWN IN BOLD.

LOAD SUMMARY										PANEL TOTALS	
LOAD TYPES		CONNECTED LOAD (KVA)		DEMAND FACTOR		DEMAND (KVA)					
LIGHTS		3.7		1.25 Continuous		4.6					
RECEPTACLES		18.1		Per NEC Table 220		11.6				TOTAL CONN. LOAD (KVA) 87.3	
MOTORS		48.6		Per NEC Table 220		48.6				TOTAL CONN. LOAD (KVA) 86.7	
HOSPITAL		0.0		Per NEC Table 220		0.0				TOTAL CONN. CURRENT 242.4	
KITCHEN		0.0		Per NEC Table 220		0.0				TOTAL DEMAND CURRENT 240.7	
HEAT		0.0		Per NEC Table 220		0.0					
MISC		21.9		1.00		21.9					