PANEL "SL1" — BRANCH PANELBOARD - NORMAL POWER

LOCATION: EXTERIOR **VOLTAGE:** 240/120 **A.I.C. :** 42000A
FED FROM: UTILITY **PHASE:** Single **MAINS:** 200A
MOUNTING: PEDESTAL **WIRES:** 3W + G **M.C.B:** 200A
ENCLOSURE: Type 3R

Load Type
L= Lighting, R=Receptacle, M=Motors,
Ho= Hospital K=Kitchen, H=Heat, Mi=Misc

CKT	LOAD DESCRIPTION	TRIP	POLE	TYPE	PHASE: A				PHASE: B		TYPE	POLE	TRIP	LOAD DESCRIPTION	CKT
1	PARKING LOT LIGHTS	20	2	L	522	696					L	2	20	PARKING LOT LIGHTS	2
3				L					522	696	L				4
5	PARKING LOT LIGHTS	20	2	L	1044	4800					Mi	2	50	FOOD TRUCK STATION (2)	6
7				L					1044	4800	Mi				8
9	FOOD TRUCK STATION (2)	50	2	Mi	4800	180					R	1	20	FOOD TRUCK REC	10
11				Mi					4800	4800	Mi	2	50	FOOD TRUCK STATION (2)	12
13	FOOD TRUCK RCP	20	1	R	180	4800					Mi				14
15	FOOD TRUCK STATION (2)	50	2	Mi					4800	180	R	1	20	FOOD TRUCK RCP	16
17				Mi	4800	10					L	1	20	FLAG POLE LIGHTING	18
19	FOOD TRUCK RCP	20	1	R					180	653	L	2	20	PEDESTRIAN LIGHTS	20
21	LC-1	20	1	Mi	100	653					L				22
23	STATUE LIGHTING	20	1	L					520	480	L	1	20	PLAZA LIGHTING	24
25	SPARE	20	1									1	20	SPARE	26
27	SPARE	20	1									1	20	SPARE	28
29	SPARE	20	1									1	20	SPARE	30
	TOTAL LOAD (KVA)				22.585				23.475						
	TOTAL AMPS/PHASE				188.21				195.63						

NOTES:

(1) PROVIDE PANELBOARD WITH HINGED FRONT COVER.
(2) PROVIDE GFCI-TYPE CIRCUIT BREAKER.
(3) PROVIDE SERVICE ENTRANCE RATED PANEL.
(4) PROVIDE WITH INTEGRAL SPD.

LOAD SUMMARY

LOAD TYPES	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND (KVA)	PANEL TOTALS	
LIGHTS	6.8	1.25 Continuous	8.6		
RECEPTACLES	0.7	Per NEC Table 220	0.7	TOTAL CONN. LOAD (KVA)	46.1
MOTORS	0.0	Per NEC 220	0.0	TOTAL DEMAND LOAD (KVA)	47.8
HOSPITAL	0.0	Per NEC Table 220	0.0	TOTAL CONN. CURRENT	191.9
KITCHEN	0.0	Per NEC Table 220	0.0	TOTAL DEMAND CURRENT	199.0
HEAT	0.0	Per NEC 220	0.0		
MISC	38.5	1.00	38.5		

PANEL "SL2" — BRANCH PANELBOARD - NORMAL POWER

LOCATION: EXTERIOR **VOLTAGE:** 120/240 **A.I.C. :** 10000A
FED FROM: UTILITY **PHASE:** Single **MAINS:** 100A
MOUNTING: POLE **WIRES:** 3W + G **M.C.B:** 100A
ENCLOSURE: Type 3R

Load Type
L= Lighting, R=Receptacle, M=Motors,
Ho= Hospital K=Kitchen, H=Heat, Mi=Misc

CKT	LOAD DESCRIPTION	TRIP	POLE	TYPE	PHASE: A				PHASE: B		TYPE	POLE	TRIP	LOAD DESCRIPTION	CKT
1	ENTRY SIGN	20	1	Mi	1800							1	20	SPARE	2
3	ENTRY SIGN	20	1	Mi					1800			1	20	SPARE	4
5	SPARE	20	1									1	20	SPARE	6
7	SPARE	20	1									1	20	SPARE	8
9	SPARE	20	1									1	20	SPARE	10
11	SPARE	20	1									1	20	SPARE	12
	TOTAL LOAD (KVA)				1.8				1.8						
	TOTAL AMPS/PHASE				15.00				15.00						

NOTES:

(1) PROVIDE PANELBOARD WITH HINGED FRONT COVER.
(2) PROVIDE GFCI-TYPE CIRCUIT BREAKER.
(3) PROVIDE SERVICE ENTRANCE RATED PANEL.
(4) PROVIDE WITH INTEGRAL SPD.

LOAD SUMMARY

LOAD TYPES	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND (KVA)	PANEL TOTALS	
LIGHTS	0.0	1.25 Continuous	0.0		
RECEPTACLES	0.0	Per NEC Table 220	0.0	TOTAL CONN. LOAD (KVA)	3.6
MOTORS	0.0	Per NEC 220	0.0	TOTAL DEMAND LOAD (KVA)	3.6
HOSPITAL	0.0	Per NEC Table 220	0.0	TOTAL CONN. CURRENT	15.0
KITCHEN	0.0	Per NEC Table 220	0.0	TOTAL DEMAND CURRENT	15.0
HEAT	0.0	Per NEC 220	0.0		
MISC	3.6	1.00	3.6		

LIGHT FIXTURE SCHEDULE

FIXT. LTR.	MANUFACTURER	CATALOG NUMBER	LAMPS #	LAMPS TYPE	BALLASTS #	BALLASTS TYPE	FIXTURE VOLTAGE	FINISH	MOUNTING	FIXTURE VA	REMARKS/DESCRIPTION	SPECIFIC NOTES
SA	U.S. ARCHITECTURAL	RZR-PLED-IV-FT-80LED-700mA-NW-240-RAL-9005-T	–	LED	–	–	240	BLACK	25' POLE	174	(2) LED AREA LIGHTS AT 180°	2
SB	U.S. ARCHITECTURAL	RZR-PLED-V-W-80LED-700mA-NW-240-RAL-9005-T	–	LED	–	–	240	BLACK	25' POLE	174	LED AREA LIGHT	2
SC	U.S. ARCHITECTURAL	RZR-PLED-III-W-80LED-700mA-NW-240-RAL-9005-T	–	LED	–	–	240	BLACK	25' POLE	174	(2) LED AREA LIGHTS AT 180°	2
SF	LITHONIA	OLBF-8-50K	–	LED	–	–	120-277	STANDARD	STANCHION	12	LED BULLET FLOOD LIGHT	
SG	ILLUMINATOR ARCHITECTURAL	ILIH20	LIGHT PROVIDED WITH FLAG POLE							10		
SH	U.S. ARCHITECTURAL	RZR-PT1-PLED-II-ML-40LED-700mA-NW-240-RAL-9005-T	–	LED	–	–	240	BLACK	14' POLE	87	LED AREA LIGHT	1
SJ	ACCLAIM LIGHTING	FTY-225-X-A-S-N	–	LED	AS NEEDED	DRIVER	24	STANDARD	SURFACE	5.6W/FOOT	FLEXIBLE LED ACCENT LIGHT	
SK	INSIGHT	EU40-60-40K-360RD-INT-1-TBL	–	LED	–	–	120	BLACK	CONC. BASE	60	LED COLUMN LIGHT	

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 ALL 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 REFER TO APPLICABLE SECTIONS OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LIGHTING FIXTURES.
F VERIFY ALL LIGHTING FIXTURE LOCATIONS AND FINISHES WITH ARCHITECT PRIOR TO INSTALLING. VERIFY VOLTAGE WITH ENGINEER PRIOR TO INSTALLING.
G ELECTRICAL CONTRACTOR TO FIELD ADJUST AIMING PATTERN OF EXTERIOR LIGHTS AT NIGHT SESSION. OWNER & ARCHITECT TO DETERMINE TIME AND DATE.
H INSTALLATION ELEVATION SHOWN IS FROM AFF OR AFG AS OBVIOUSLY APPLICABLE, TO CENTER OF OUTLET BOX, UNLESS OTHERWISE NOTED.
I FIXTURE SUBSTITUTIONS: SHALL BE SUBMITED IN WRITING TO THE ENGINEER FOR APPROVAL, 7 BUSINESS DAYS PRIOR TO BID. SUBMIT CUT SHEETS OF SPECIFIED ITEM ALONG WITH A CUT SHEET OF THE DESIRED SUBSTITUTION, WITH ALL DIFFERENCES NOTED. MAIL OR DELIVER CUT SHEETS INCLUDING PHOTOMETRIC INFORMATION TO: MKEC ENGINEERING CONSULTANTS, INC., 411 N. WEBB ROAD, WICHITA, KS. 67206, FAX TRANSMISSIONS ARE NOT ACCEPTABLE. 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.
J 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) MOUNT ON KW INDUSTIRES POLE, RSP16-4.0-11-BLK.
(2) MOUNT ON KW INDUSTIRES POLE, RSP25-4.0-11-BLK.

LIGHTING CONTACTOR SCHEDULE

MARK	LOAD: EQUIPMENT SERVED	LOAD: VOLTAGE	CONTACTOR: TYPE	CONTACTOR: AMP	CONTACTOR: POLE	CONTACTOR: ENCLOSURE	CONTACTOR: COIL VOLTAGE	CONTACTOR: ACCESSORIES	INTERLOCK: CONTROLLED BY
LC-1	SITE LIGHTING	240	EH	30	16	3R	120	RP	PHOTOCELL

ABBREVIATIONS

EH ELECTRICALLY HELD
MH MECHANICALLY HELD
RP RED PILOT LIGHT

DISCONNECT SWITCH SCHEDULE

MARK	EQUIPMENT SERVED	VOLTAGE	SWITCH: AMPS	SWITCH: POLES	FUSE: AMPS	FUSE: TYPE	NEMA ENCLOSURE	ACCESSORIES
DS-1	SIGN LIGHTING	120	20	1	–	–	3R	
DS-2	SIGN LIGHTING	120	20	1	–	–	3R	

ACCESSORIES

MKEC
Wichita, KS • 316-684-9600

PAVING, LANDSCAPE & UTILITIES FOR
STRYKER SPORTS
WICHITA, KANSAS

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ELECTRICAL SCHEDULES

PROJECT NO.	1701010567
	MAY 2, 2018
SCALE	N.T.S.

DESIGNED	DRAWN	CHECKED
CNG	ECW	JRBW

NO.	REVISION	DATE
0	ISSUED FOR CONST.	05-02-18

SHEET NO.
89 OF 102

PLOTTED: Wednesday, May 02, 2018 @ 11:58AM
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