

J:\PROJECTS\2017\170101043_LANGLIEN_STEEPLE BAY_17143_CADD\SHS\08_ELECTRICAL\DETAILS AND SCHEDULES.DWG
 PLOTTED: Wednesday, January 23, 2019 @ 04:29PM

DISCONNECT SWITCH SCHEDULE									
MARK	EQUIPMENT SERVED	VOLTAGE	SWITCH		FUSE		NEMA ENCLOSURE	ACCESSORIES	
			AMPS	POLES	AMPS	TYPE			
DS-1	MONUMENT SIGN	120	S-30A	1	-	-	3R		
DS-2	MONUMENT SIGN	120	S-30A	1	-	-	3R		
DS-3	MONUMENT SIGN	120	S-30A	1	-	-	3R		
DS-4	MONUMENT SIGN	120	S-30A	1	-	-	3R		

ACCESSORIES	
AX	AUXILIARY CONTACTS

MARK	LOAD				CONTACTOR				INTERLOCK CONTROLLED BY
	EQUIPMENT SERVED	VOLTAGE	TYPE	AMP	POLE	ENCLOSURE	COIL VOLTAGE	ACCESSORIES	
LC-1	SITE LIGHTING	480	MH	30	12	NEMA 1	277	RP	PHOTOCELL & HOA

ABBREVIATIONS

RP RED PILOT LIGHT
 HOA HAND-OFF-AUTO SWITCH
 MH MECHANICALLY HELD

PANEL "B"		BRANCH PANELBOARD - NORMAL POWER									
LOCATION: 4 CKT ENCLOSURE FED FROM: UTILITY MOUNTING: Surface ENCLOSURE: Type 3R		VOLTAGE: 240/120 PHASE: Single WIRES: 3W + G		A.I.C.: 65000A MAINS: 100A M.C.B.: 100A		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	SIGN LIGHTING	20	1	L	1920			1	20	SPARE	2
3	SIGN LIGHTING	20	1	L		1920		1	20	SPARE	4
TOTAL LOAD (KVA)		1.92		1.92							
TOTAL AMPS/PHASE		16.00		16.00							

NOTES:
 (1) PROVIDE PANELBOARD WITH HINGED FRONT COVER
 (2) PANEL SHALL BE SERVICE ENTRANCE RATED.

LOAD SUMMARY				
LOAD TYPES	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND (KVA)	PANEL TOTALS
LIGHTS	3.8	1.25 Continuous	4.8	
RECEPTACLES	0.0	Per NEC Table 220	0.0	TOTAL CONN. LOAD (KVA) 3.8
MOTORS	0.0	Per NEC 220	0.0	TOTAL DEMAND LOAD (KVA) 4.8
HOSPITAL	0.0	Per NEC Table 220	0.0	TOTAL CONN. CURRENT 16.0
KITCHEN	0.0	Per NEC Table 220	0.0	TOTAL DEMAND CURRENT 20.0
HEAT	0.0	Per NEC 220	0.0	
MISC	0.0	1.00	0.0	

PANEL "C"		BRANCH PANELBOARD - NORMAL POWER									
LOCATION: 4 CKT ENCLOSURE FED FROM: UTILITY MOUNTING: Surface ENCLOSURE: Type 3R		VOLTAGE: 240/120 PHASE: Single WIRES: 3W + G		A.I.C.: 65000A MAINS: 100A M.C.B.: 100A		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	SIGN LIGHTING	20	1	L	1920			1	20	SPARE	2
3	SIGN LIGHTING	20	1	L		1920		1	20	SPARE	4
TOTAL LOAD (KVA)		1.92		1.92							
TOTAL AMPS/PHASE		16.00		16.00							

NOTES:
 (1) PROVIDE PANELBOARD WITH HINGED FRONT COVER
 (2) PANEL SHALL BE SERVICE ENTRANCE RATED.

LOAD SUMMARY				
LOAD TYPES	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND (KVA)	PANEL TOTALS
LIGHTS	3.8	1.25 Continuous	4.8	
RECEPTACLES	0.0	Per NEC Table 220	0.0	TOTAL CONN. LOAD (KVA) 3.8
MOTORS	0.0	Per NEC 220	0.0	TOTAL DEMAND LOAD (KVA) 4.8
HOSPITAL	0.0	Per NEC Table 220	0.0	TOTAL CONN. CURRENT 16.0
KITCHEN	0.0	Per NEC Table 220	0.0	TOTAL DEMAND CURRENT 20.0
HEAT	0.0	Per NEC 220	0.0	
MISC	0.0	1.00	0.0	

PANEL "A"		BRANCH PANELBOARD - NORMAL POWER														
LOCATION: PEDESTAL FED FROM: UTILITY MOUNTING: Surface ENCLOSURE: Type 1		VOLTAGE: 480/277 PHASE: Three WIRES: 4W + G		A.I.C.: 65000A MAINS: 225A M.C.B.: 200A		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	PHASE: C	TYPE	POLE	TRIP	LOAD DESCRIPTION	CKT				
1	ROADWAY LIGHTING	20	3	L	1218	100					Mi	1	20	LC-1	2	
3				L			1218						1	20	SPARE	4
5				L				1218						1	20	SPARE
7	SPARE	20	3									1	20	SPARE	8	
9													1	20	SPARE	10
11														1	20	SPARE
13	SPARE	20	1									1	20	SPACE	14	
15	SPARE	20	1									1	20	SPACE	16	
17	SPARE	20	1									1	20	SPACE	18	
19	SPARE	20	1									1	20	SPACE	20	
21	SPARE	20	1									1	20	SPACE	22	
23	SPARE	20	1									1	20	SPACE	24	
25	SPARE	20	1									1	20	SPACE	26	
27	SPARE	20	1									1	20	SPACE	28	
29	SPARE	20	1									1	20	SPACE	30	
TOTAL LOAD (KVA)		1.318		1.218		1.218										
TOTAL AMPS/PHASE		4.76		4.40		4.40										

NOTES:
 (1) PROVIDE PANELBOARD WITH HINGED FRONT COVER
 (2) PANEL SHALL BE SERVICE ENTRANCE RATED.
 (3) PROVIDE PANEL WITH INTEGRAL SPD.

LOAD SUMMARY				
LOAD TYPES	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND (KVA)	PANEL TOTALS
LIGHTS	3.7	1.25 Continuous	4.6	
RECEPTACLES	0.0	Per NEC Table 220	0.0	TOTAL CONN. LOAD (KVA) 3.8
MOTORS	0.0	Per NEC 220	0.0	TOTAL DEMAND LOAD (KVA) 4.7
HOSPITAL	0.0	Per NEC Table 220	0.0	TOTAL CONN. CURRENT 4.5
KITCHEN	0.0	Per NEC Table 220	0.0	TOTAL DEMAND CURRENT 5.6
HEAT	0.0	Per NEC 220	0.0	
MISC	0.1	1.00	0.1	

LIGHT FIXTURE SCHEDULE												
FIXT. LTR.	MANUFACTURER	CATALOG NUMBER	LAMPS		BALLASTS		FIXTURE VOLTAGE	FINISH	MOUNTING	FIXTURE VA	REMARKS/DESCRIPTION	SPECIFIC NOTES
			#	TYPE	#	TYPE						
SA	U.S. ARCHITECTURAL LIGHTING	LXT4-PLD-III-W-80LED-700mA-NW-480-2-180-RAL-7004-T	-	LED	-	DRIVER	480	GREY	POLE	174	(2) FIXTURES AT 180" MOUNTED ON 20' POLE.	1
SB	U.S. ARCHITECTURAL LIGHTING	LXT4-PLD-III-W-80LED-700mA-NW-480-1-RAL-7004-T	-	LED	-	DRIVER	480	GREY	POLE	87	(1) FIXTURES MOUNTED ON 20' POLE.	1

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 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.
 D REFER TO APPLICABLE SECTIONS OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LIGHTING FIXTURES.
 E VERIFY ALL LIGHTING FIXTURE LOCATIONS WITH ENGINEER PRIOR TO INSTALLING. VERIFY VOLTAGE WITH ENGINEER PRIOR TO INSTALLING.
 F ELECTRICAL CONTRACTOR TO FIELD ADJUST AIMING PATTERN OF EXTERIOR LIGHTS AT NIGHT SESSION. OWNER & ARCHITECT TO DETERMINE TIME AND DATE.
 G INSTALLATION ELEVATION SHOWN IS FROM AFF OR AFG AS OBVIOUSLY APPLICABLE, TO CENTER OF OUTLET BOX, UNLESS OTHERWISE NOTED.
 H FIXTURE SUBSTITUTIONS: SHALL BE SUBMITTED 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. CUT SHEETS INCLUDING PHOTOMETRIC INFORMATION TO ENGINEER, 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.
 I 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 AND INSTALL 20'-0" KW POLE #SSP-20-4.0-7-GRY-DM2180-58HH



PART A: LIGHTING & LANDSCAPE PLANS FOR
STEEPLE BAY ADDITION
 WICHITA, KANSAS



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ELECTRICAL SCHEDULES	
PROJECT NO.	472-85453
DATE	DEC 2018
SCALE	NO SCALE
DESIGNED	DRAWN
CNG	ECW
CHECKED	JRBW
NO.	REVISION
1	REVISION 1
	DATE
	01/23/19
SHEET NO.	
06 OF 07	