

J:\PROJECTS\2018\1801010816_COW_SS_MAIN31_VERANDAADDN_18816 CAD\SHETS\0 BLDG MEP\ELCDM ELECTRICAL SCHEDULES.DWG
 PLOTTED: Tuesday, January 15, 2019 @ 03:19PM

EQUIPMENT CONNECTION SCHEDULE																	
MARK	DESCRIPTION	UNIT VOLTAGE	PHASE	FULL LOAD AMPS	MOCP	CIRCUIT NUMBER	# OF POLES	DISCONNECT			STARTER			FEEDER		CONTROLLER	REMARKS
								TYPE	ENCL RATING (NEMA)	FUSE SIZE AMPS*	TYPE	ENCL RATING (NEMA)	NEMA SIZE	SETS	WIRE AND CONDUIT		
P-1	PUMP-1	480	3	12.6	PWE	-	3		PWE				1	(3) - #12, #12 G., 1" C.	E/M CONTROLS	1	
P-2	PUMP-2	480	3	12.6	PWE	-	3		PWE				1	(3) - #12, #12 G., 1" C.	E/M CONTROLS	1	

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	E/M - EQUIPMENT MANUFACTURER CONTROLS
- SEE SPECIFICATIONS FOR TYPE.	C - COMBINATION STYLE	CB - COMBINATION STYLE	C - COMBINATION STYLE
	R - INTERPOSING RELAY		
	M (OR T) - MANUAL - SEE DISCONNECT FOR T.		

REMARKS

(1) PROVIDE BRANCH CIRCUIT FROM STARTER IN CONTROL PANEL IN CONTROLS BUILDING THROUGH EXTERIOR ENCLOSURE TO PUMPS. STARTER PROVIDED AND INSTALLED IN CONTROL PANEL BY PUMP VENDOR. BRANCH CIRCUIT BREAKER FEEDING CONTROL PANEL PROVIDED AND INSTALLED IN PANEL 'H'.

MPZ		BRANCH PANELBOARD - NORMAL POWER													
LOCATION: CONTROL BLDG		VOLTAGE: 240/120		A.I.C.: 35,000 kA		Load Type									
FED FROM: PANEL 'H'		PHASE: Single		MAINS: 125A		L= Lighting, R=Receptacle, M=Motors,									
MOUNTING: Surface		WIRES: 3W + G		M.C.B.: 30A		Ho= Hospital K=Kitchen, H=Heat, Mi=Misc									
ENCLOSURE: Type 1															
CKT	LOAD DESCRIPTION	TRIP	POLE	TYPE	PHASE:	A	PHASE:	B	PHASE:	C	TYPE	POLE	TRIP	LOAD DESCRIPTION	CKT
1	SPARE	20	1			180					R	1	20	RECEPT	2
3	SPARE	20	1									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)					0.18		0								
TOTAL AMPS/PHASE					1.50		0.00								

NOTES:

(1) PROVIDE PANELBOARD WITH HINGED FRONT COVER.
 (2) PROVIDE SQUARE D MINI-POWER ZONE 10 KVA #MPZ10S40 WITH 480/1Ø PRIMARY AND 120/240V, 3W, 1Ø SECONDARY.

LOAD SUMMARY					PANEL TOTALS	
LOAD TYPES	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND (KVA)			
LIGHTS	0.0	1.25 Continuous	0.0			
RECEPTACLES	0.2	Per NEC Table 220	0.2	TOTAL CONN. LOAD (KVA)	0.2	
MOTORS	0.0	Per NEC 220	0.0	TOTAL DEMAND LOAD (KVA)	0.2	
HOSPITAL	0.0	Per NEC Table 220	0.0	TOTAL CONN. CURRENT	0.8	
KITCHEN	0.0	Per NEC Table 220	0.0	TOTAL DEMAND CURRENT	0.8	
HEAT	0.0	Per NEC 220	0.0			
MISC	0.0	1.00	0.0			

PANEL 'H'		BRANCH PANELBOARD - NORMAL POWER													
LOCATION: CONTROL BLDG		VOLTAGE: 480/277		A.I.C.: 65000A		Load Type									
FED FROM: UTILITY		PHASE: Three		MAINS: 125A		L= Lighting, R=Receptacle, M=Motors,									
MOUNTING: Surface		WIRES: 4W + G		M.C.B.: 70A		Ho= Hospital K=Kitchen, H=Heat, Mi=Misc									
ENCLOSURE: Type 1															
CKT	LOAD DESCRIPTION	TRIP	POLE	TYPE	PHASE:	A	PHASE:	B	PHASE:	C	TYPE	POLE	TRIP	LOAD DESCRIPTION	CKT
1	SPARE	20	1									1	20	SPARE	2
3	SPARE	20	1									1	20	SPARE	4
5	SPARE	20	1									1	20	SPARE	6
7				M	1472							1	20	SPARE	8
9	CONTROL PANEL	30	3	M			1472	180			Mi	2	30	MPZ	10
				M					1472	0	Mi				12
TOTAL LOAD (KVA)					1.472		1.652		1.472						
TOTAL AMPS/PHASE					5.31		5.96		5.31						

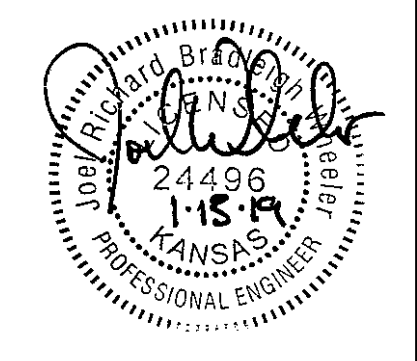
NOTES:

(1) PROVIDE PANELBOARD WITH HINGED FRONT COVER.
 (2) PROVIDE SERVICE ENTRANCE RATED PANEL.

LOAD SUMMARY					PANEL TOTALS	
LOAD TYPES	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND (KVA)			
LIGHTS	0.0	1.25 Continuous	0.0			
RECEPTACLES	0.0	Per NEC Table 220	0.0	TOTAL CONN. LOAD (KVA)	4.6	
MOTORS	4.4	Per NEC 220	4.4	TOTAL DEMAND LOAD (KVA)	4.6	
HOSPITAL	0.0	Per NEC Table 220	0.0	TOTAL CONN. CURRENT	5.5	
KITCHEN	0.0	Per NEC Table 220	0.0	TOTAL DEMAND CURRENT	5.5	
HEAT	0.0	Per NEC 220	0.0			
MISC	0.2	1.00	0.2			



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



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ELECTRICAL SCHEDULES	
PROJECT NO.	468-85386
DATE	JAN 2019
SCALE	NO SCALE
DESIGNED	DRAWN
CNG	CV
CHECKED	JRBW
ISSUED FOR BID NO.	1-15-19
REVISION	DATE
SHEET NO.	
24 OF 25	