

GENERAL SYSTEMS PLAN NOTES

- A. REFER TO E-001 FOR ELECTRICAL LEGEND, GENERAL NOTES, AND ABBREVIATIONS.
- B. REFER TO SHEET ES102 FOR LOCATION OF EXTERIOR MOUNTED TRANSFORMER.

PANEL "LGP"										PANEL RATING & FEEDER							
PANEL INFORMATION				NORMAL POWER						PANEL AMPACITY:		100 AMPS					
MAIN TYPE: 100A MLO				VOLTS: 3PH-4W						PHASE CONDUCTORS: (3)		#5 THWN					
VOLTAGE: 120/208				MOUNT: SURFACE						NEUTRAL: (1)		#8 THWN					
MOUNTING: SURFACE				AIC: 10000						# OF SETS		(1 SET)					
ENCLOSURE TYPE: NEMA-3R				NEW PANEL						SOURCE: SEE RISER							
CKT	DESCRIPTION	LOAD IN VOLT AMPS (VA)					LOAD IN VOLT AMPS (VA)					WIRE SIZE	CB AMPS	DESCRIPTION	CKT		
		CB AMPS	WIRE SIZE	LTG (125%)	RECEPT.	KITCHEN	HVAC	MISC	PHASE	MISC	HVAC					KITCHEN	RECEPT.
1	LISCUM GATE MOTOR - NORTH	20	#10					A	2500					#6	60	TWIST-LOCK RECEPTACLE FOR GUARD SHACK	2
3	LISCUM GATE MOTOR - SOUTH	20	#10					B	2500								4
5	SPACE ONLY							C								SPACE ONLY	6
7	SPACE ONLY							A								SPACE ONLY	8
9	SPACE ONLY							B								SPACE ONLY	10
11	SPACE ONLY							C								SPACE ONLY	12
13	SPACE ONLY							A								SPACE ONLY	14
15	SPACE ONLY							B								SPACE ONLY	16
17	SPACE ONLY							C								SPACE ONLY	18
19	SPACE ONLY							A								SPACE ONLY	20
21	SPACE ONLY							B								SPACE ONLY	22
23	SPACE ONLY							C								SPACE ONLY	24
TOTAL LOADS				0	0	0	0		2160				0			TOTAL LOADS	

LOAD CALCULATION (NEC 2008 - ARTICLE 220)			
LOAD TYPE	LOAD (kVA)	DEMAND %	DEMAND LOAD
LIGHTING	0.00	1.25	0.0 kW
RECEPTACLES	0.00	1.00	0.0 kW
RECEPTACLES > 10000	0.00	0.50	0.0 kW
KITCHEN EQUIPMENT	0.00	0.65	0.0 kW
MISC.	7.16	1.00	7.2 kW
HVAC	0.00	1.00	0.0 kW
TOTAL kW DEMAND			7.2 kW
TOTAL DEMAND AMPS		100%	19.87 AMPS

PANEL "GGP"										PANEL RATING & FEEDER							
PANEL INFORMATION				NORMAL POWER						PANEL AMPACITY:		100 AMPS					
MAIN TYPE: 100A MLO				VOLTS: 3PH-4W						PHASE CONDUCTORS: (3)		#5 THWN					
VOLTAGE: 120/208				MOUNT: SURFACE						NEUTRAL: (1)		#8 THWN					
MOUNTING: SURFACE				AIC: 10000						# OF SETS		(1 SET)					
ENCLOSURE TYPE: NEMA-3R				NEW PANEL						SOURCE: SEE RISER							
CKT	DESCRIPTION	LOAD IN VOLT AMPS (VA)					LOAD IN VOLT AMPS (VA)					WIRE SIZE	CB AMPS	DESCRIPTION	CKT		
		CB AMPS	WIRE SIZE	LTG (125%)	RECEPT.	KITCHEN	HVAC	MISC	PHASE	MISC	HVAC					KITCHEN	RECEPT.
1	GETTYSBURG GATE MOTOR - NORTH	20	#10					A	2500					#6	60	TWIST-LOCK RECEPTACLE FOR GUARD SHACK	2
3	GETTYSBURG GATE MOTOR - SOUTH	20	#10					B	2500								4
5	SPACE ONLY							C								SPACE ONLY	6
7	SPACE ONLY							A								SPACE ONLY	8
9	SPACE ONLY							B								SPACE ONLY	10
11	SPACE ONLY							C								SPACE ONLY	12
13	SPACE ONLY							A								SPACE ONLY	14
15	SPACE ONLY							B								SPACE ONLY	16
17	SPACE ONLY							C								SPACE ONLY	18
19	SPACE ONLY							A								SPACE ONLY	20
21	SPACE ONLY							B								SPACE ONLY	22
23	SPACE ONLY							C								SPACE ONLY	24
TOTAL LOADS				0	0	0	0		2160				0			TOTAL LOADS	

LOAD CALCULATION (NEC 2008 - ARTICLE 220)			
LOAD TYPE	LOAD (kVA)	DEMAND %	DEMAND LOAD
LIGHTING	0.00	1.25	0.0 kW
RECEPTACLES	0.00	1.00	0.0 kW
RECEPTACLES > 10000	0.00	0.50	0.0 kW
KITCHEN EQUIPMENT	0.00	0.65	0.0 kW
MISC.	7.16	1.00	7.2 kW
HVAC	0.00	1.00	0.0 kW
TOTAL kW DEMAND			7.2 kW
TOTAL DEMAND AMPS		100%	19.87 AMPS

MOUNTING: SURFACE						PANEL "DP-1"		14,000 AIC	
480/277 VOLT						150A MAIN CIRCUIT BREAKER			
3 PHASE / 4 WIRE									
CKT NO.	TRIP RATING	NO. OF POLES	INTERRUPTING AMPS (NOTE 1)	LOAD SERVED	WIRE SIZE	REMARKS			
1	150	3	14,000	PANEL "LP1"	SEE RISER	PROVIDE NEW CIRCUIT BREAKER			
2	15	2	14,000	TRANSFORMER SOUTH	SEE RISER	EXISTING TO REMAIN			
3	20	2	14,000	IRRIGATION SYSTEM	SEE RISER	EXISTING TO REMAIN			
4	15	2	14,000	NORTH AND SOUTH GATES (NEW)	NONE	EXISTING SPACE AND BUS			
5				SPACE AND BUS	NONE	EXISTING SPACE AND BUS			
6				SPACE AND BUS	NONE	EXISTING SPACE AND BUS			
7				SPACE AND BUS	NONE	EXISTING SPACE AND BUS			
8				SPACE AND BUS	NONE	EXISTING SPACE AND BUS			
9				SPACE AND BUS	NONE	EXISTING SPACE AND BUS			
10				SPACE AND BUS	NONE	EXISTING SPACE AND BUS			

GENERAL NOTES:
A. THE EXISTING ELECTRICAL PANEL IS MANUFACTURED BY: CUTLER - HAMMER, SERIES "C" CATALOG NO. FDB3150, STYLE NO. 6638C27G99.
B. NEW CIRCUIT BREAKERS ADDED TO EXISTING PANEL SHALL MATCH STYLE AND CATALOG NUMBER OF EXISTING CIRCUIT BREAKERS WITHIN PANEL.

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot

BID DOCUMENTS FOR CONSTRUCTION

Office of Construction and Facilities Management

Department of Veterans Affairs

Revisions: _____ Date: _____	CONSULTANTS: 	ARCHITECT/ENGINEERS: <div style="text-align: center;"> paradigm Architecture Engineering Design-Build <small>200 Erway Circle #201, Louisville KY 40299 - PH: 502.339.8511 - www.paradigmusa.com</small> </div>	Drawing Title ELECTRICAL SCHEDULES	Project Title IMPROVE CAMPUS ACCESS AND SECURITY	Project Number 552-16-101	Building Number -	Location DAYTON VA MEDICAL CENTER <small>400 W. THIRD STREET, DAYTON, OH 45428-9000</small>	Drawing Number EP503	Date 04-07-2017	Checked WLM	Drawn MMF
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