

MECHANICAL EQUIPMENT SCHEDULE												
DESIGNATION	DESCRIPTION	VOLTAGE	PH	HP	KVA	FLA (MCA)	CONDUCTORS	CONDUIT	SWITCH	CB	FUSE SIZE/TYPE	REMARKS
B-1	BOILER	200	3	--	--	5	3-#12, 1-#12 GND	1/2"	30/3	20/3	15A FRN-R	1,2
B-2	BOILER (FUTURE)	200	3	--	--	5	3-#12, 1-#12 GND	1/2"	30/3	20/3	15A FRN-R	1,2
EBB-1	BASEBOARD HEATER	200	1	--	2.0	--	2-#12, 1-#12 GND	1/2"	5	20/2	--	3
P-1	PUMP	200	3	10	--	32.2	3-#6, 1-#10 GND	3/4"	60/3	50/3	50A FRN-R	1,4
P-2	PUMP (FUTURE)	200	3	10	--	32.2	3-#6, 1-#10 GND	3/4"	60/3	50/3	50A FRN-R	1,4

- REMARKS:
- COORDINATE CONTROL WIRING WITH MECHANICAL CONTRACTOR.
 - EPO SWITCH PROVIDED BY MECHANICAL CONTRACTOR TO TURN OFF BOILERS.
 - CONTROLLED VIA MECHANICAL CONTRACTOR PROVIDED UNIT MOUNTED THERMOSTAT.
 - NEW VFD (VARIABLE FREQUENCY DRIVE) OPERATED PER MECHANICAL SPECIFICATIONS/CONTROLS. PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. REFER TO MECHANICAL PLANS FOR SEQUENCE OF OPERATION AND CONTROL.

LIGHTING FIXTURE SCHEDULE					
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING	LAMPS
A	VISIONAIRE LIGHTING	ODN-1-L-15-16LC-5-3K-UNV-YM-XX-CX/HI-CL5	ARCHITECTURAL POLE LIGHT, TYPE V DISTRIBUTION, 16 LEDS, 530 mA DRIVER, 3000K, YOKE MOUNT, COORDINATE FINISH COLOR WITH ARCHITECT, COORDINATE CAP/SHADE WITH ARCHITECT, CUT-OFF LOUVER SYSTEM	POLE (REFER TO ARCHITECTURAL FOR POLE AND BASE DETAIL)	27W LED UNV 3,715 LUMENS
B	PROGRESS LIGHTING	P6824-20	LED STEP LIGHT, 2700K, MET LOCATION LISTED	RECESSED	5W LED 120V
C	LITHONIA	ZLIN-L40-SMR-5000LM- FST-MVOLT-40K-80CRI-ETM-HH	4' LED STRIP LIGHT, SYMMETRIC DISTRIBUTION, SNAP ON FROSTED LENS, 4000K, 90 MINUTE, BATTERY BACK-UP, WHITE FINISH	SURFACE	34W LED 120V 4351 LUMENS
X	LITHONIA	LGM-S-M-3-R-120/27T-ELN	EXIT SIGN, WHITE HOUSING, RED LETTERING, 90 MINUTE BATTERY BACK-UP	SURFACE	.71W LED 120V

PANEL "BP"		(NEW)		VOLTAGE 120 / 200 V		3 #		4 W			
FLUSH		MAIN 400/3		MLO X							
SURFACE X		BUS 400A		FEED THRU		A.I.C. 22,000					
TYPE	DESCRIPTION	BKR	CIR	LOAD (VA/#)			CIR	BKR	DESCRIPTION	TYPE	
				A #	B #	C #					
G	B-1	20	1	600	600			2	B-2	G	
G	--		3		600	600		4	--	G	
G	--	3	5			600	600	6	--	G	
M	P-1	50	7	3867	3867			8	P-2	M	
M	--		9		3867	3867		10	--	M	
M	--	3	11			3867	3867	12	--	M	
G	EBB-1	20	13	1000	1000			14	EBB-1	G	
G	--	2	15		1000	1000		16	--	G	
G	BOILER CONTROL PANEL	20	17			500	500	18	PUMP CONTROL PANEL	G	
G	SNOWMELT DDC CONTROL	20	19	500	50			20	EPO SWITCH	G	
G	ZONE VALVE #1	20	21		250	250		22	ZONE VALVE #1	G	
G	ZONE VALVE #8	20	23			250	250	24	ZONE VALVE #10	G	
R	LOWER PLAZA EVENT REC	20	25	360	84			26	GLYCOL FEED PUMP REC	R	
R	LOWER PLAZA EVENT REC	20	27		120	360		28	BOILER ROOM REC	R	
G	WATER HEATER	20	29			1500	212	30	BOILER ROOM LTG	L	
G	LOWER LEVEL HEAT TAPE	40	31	1420	2220			32	LOWER LEVEL HEAT TAPE	G	
G	--		2	33		1420	2220	34	--	G	
G	MID LEVEL HEAT TAPE	30	35			1110	1140	36	POOL TRANCH HEAT TAPE	G	
G	--		2	37	1110	1140		38	--	G	
G	ZONE VALVE #11	20	39		250	100		40	PLAZA FIRE PIT	G	
	SPARE	20	41			0	0	42	SPARE		
	SPARE	20	43	0	0			44	SPARE		
	SPARE	20	45		0	0		46	SPARE		
	SPARE	20	47			0	0	48	SPARE		
	SPARE	20	49	0	0		0	50	SPARE		
	SPARE	20	51		0	0		52	SPARE		
	SPARE	20	53			0	0	54	SPARE		
	SPARE	20	55	0	0			56	SPARE		
	SPARE	20	57		0	0		58	SPARE		
	SPARE	20	59			0	0	60	SPARE		
				10310	17004	14456					
LOAD TYPE		CONNECTED KVA		TOTAL		FACTOR		DEMAND KVA		TOTAL	
		A#	B#	C#	ALL #*S			A#	B#	C#	ALL #*S
LIGHTING/CONTINUOUS		0.0	0.0	0.3	0.3	125%		0.0	0.0	0.3	0.3
RECEPTACLE (10KVA OR LESS)		0.4	1.1	0.0	1.5	100%		0.4	1.1	0.0	1.5
RECEPTACLE (OVER 10KVA)		0.0	0.0	0.0	0.0	100%		0.0	0.0	0.0	0.0
HVAC/MOTOR		3.4	3.4	3.4	11.6	100%		3.4	3.4	3.4	11.6
MOTOR(LARGEST)		3.4	3.4	3.4	11.6	125%		4.8	4.8	4.8	14.5
KITCHEN EQUIPMENT		0.0	0.0	0.0	0.0	100%		0.0	0.0	0.0	0.0
MISCELLANEOUS		10.1	8.2	6.5	24.8	100%		10.1	8.2	6.5	24.8
TOTAL KVA		18.3	17.0	14.5	44.8			14.3	18.0	15.5	52.1
				TOTAL AMPERES		160.7		144.8		124.1	
						160.7					
LEGEND		L = LIGHTING		R = RECEPTACLE		M = HVAC / MOTOR		K = KITCHEN		G = MISCELLANEOUS	

- 1 PROVIDE GFCI BREAKER FOR HEAT TRACE EQUIPMENT. COORDINATE BREAKER WITH HEAT TRACE MFG. PRIOR TO PURCHASE.
- 2 PROVIDE GFCI BREAKER.



ASSOCIATES
PLANNERS &
LANDSCAPE
ARCHITECTS
303.828.0003

MEP PROJECT #17109



MEP
ENGINEERING INC.
CLIENT CENTRIC CONSULTING
6402 S. Tepe Circle, Suite 100 | WY 83039-1233
Cottonwood, CO 80611 | P: 303.834.1795
info@mepeg.com | www.mepeg.com



WATERPROOFING / RENOVATION - PHASE 2
TORIAN PLUM PARKING STRUCTURE
STEAMBOAT SPRINGS, CO

Date 10.22.17
Drawn By MTS
Reviewed by DGM
Job No. 17109

Revisions
Name Date
△ BLDO DEPT #1 03/06/18
△ BLDO DEPT #2 04/17/18

Issue:
100% Construction Documents
Sheet Title:
ELECTRICAL SCHEDULES

Sheet Number

E0.2