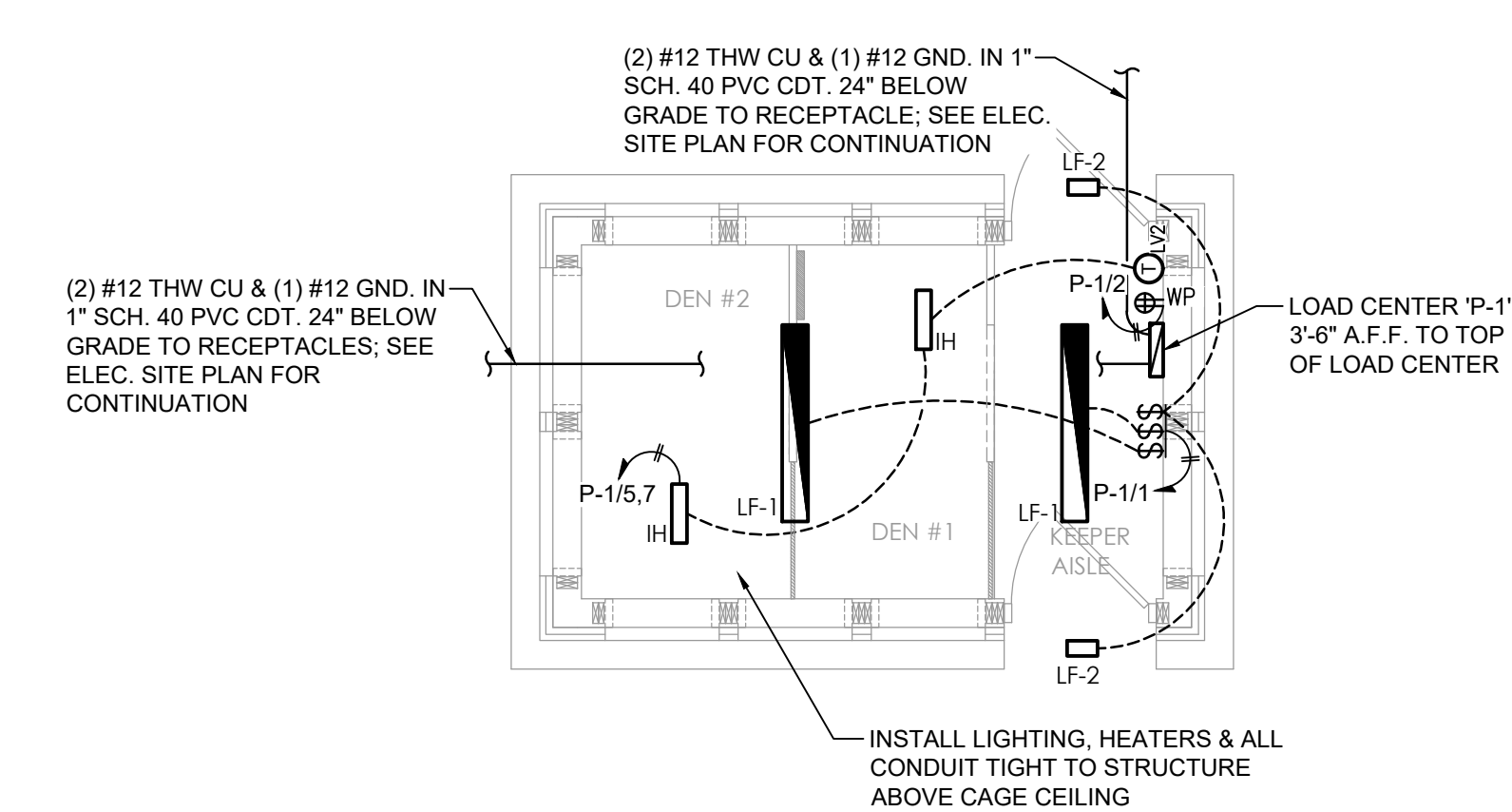
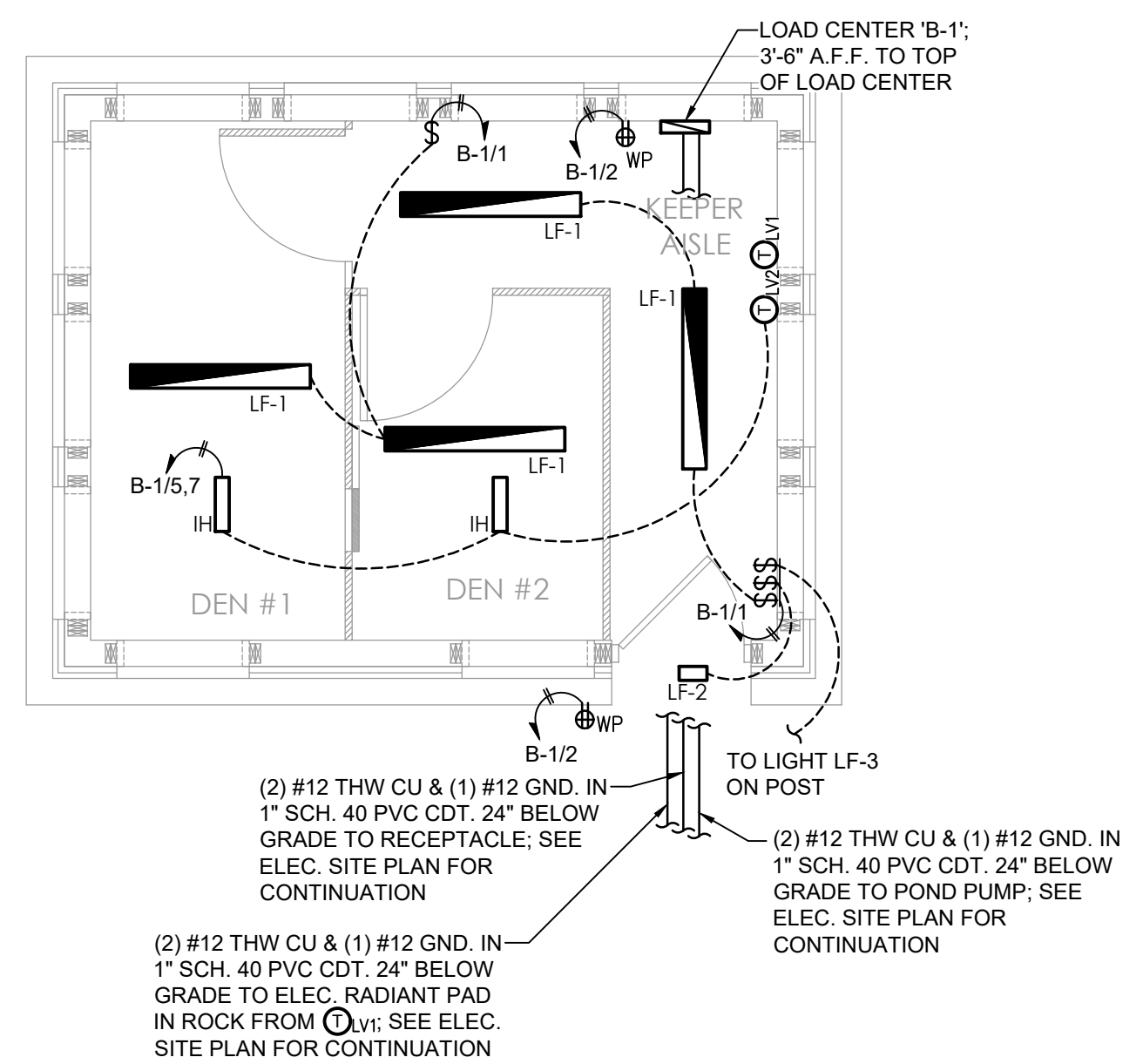
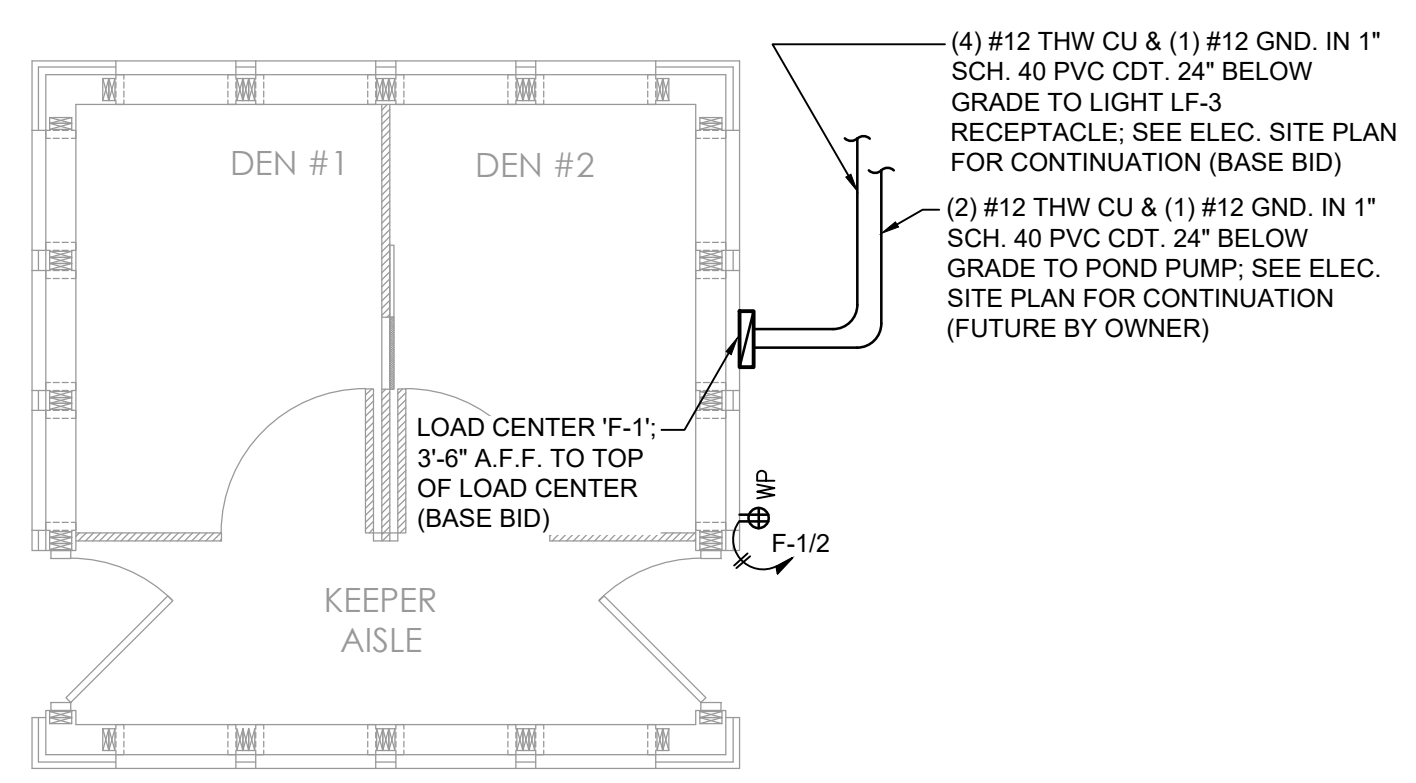




1 Porcupine House Electrical Plan (Alt #2 - Except for Load Center)
E2 1/4" = 1'-0"



2 Bobcat House Electrical Plan (Base Bid)
E2 1/4" = 1'-0"



3 Fox House Electrical Plan (Base Bid - Load Center & Receptacle Only)
E2 1/4" = 1'-0"

Load Center 'M-1' (Base Bid)

120/240V 1Ø 3W+G				BUS RATING: 100A				MLO			
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD		
LOAD CENTER 'P-1'	(3) #8 CU & (1) #10 GND.	30	1	2.0	2.6	2	30	(3) #8 CU & (1) #10 GND.	LOAD CENTER 'B-1'		
LOAD CENTER 'F-1'	(3) #8 CU & (1) #10 GND.	30	3	2.6	2.3	4	20	(2) #12 CU & (1) #12 GND.	HEAT TRACE		
ELEC. HTR. EH-1	(2) #12 CU & (1) #12 GND.	15	7	1.0	2.6	8	20	(2) #12 CU & (1) #12 GND.	HEAT TRACE		
		9	5	0.5	1.0	10	20	-	SPARE		
	-	-	11	-	-	12	-	-	-		
SQUARE D 'QO' LOAD CENTER W/ OUTDOOR ENCLOSURE				8.7	8.5	17.2 kVA TOTAL					

Load Center 'P-1' (Load center in Base Bid; all circuits are in Alt #2)

120/240V 1Ø 3W+G				BUS RATING: 100A				MLO			
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD		
LIGHTING	(2) #12 CU & (1) #12 GND.	20	1	0.1	0.4	2	20	(2) #12 CU & (1) #12 GND.	RECEPTACLES		
RECEPTACLES	(2) #12 CU & (1) #12 GND.	20	3	-	0.4	4	20	(2) #12 CU & (1) #12 GND.	RECEPTACLES		
INFRARED HEATERS	(2) #12 CU & (1) #12 GND.	20	5	1.5	-	6	20	-	SPARE		
			7	-	1.5	8	20	-	SPARE		
SPARE	-	20	9	-	-	10	20	-	SPARE		
-	-	-	11	-	-	12	-	-	-		
SQUARE D 'QO' LOAD CENTER W/ OUTDOOR ENCLOSURE				2.0	2.3	4.3 kVA TOTAL					

Load Center 'B-1' (Base Bid)

120/240V 1Ø 3W+G			BUS RATING: 100A								MLO	
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD			
LIGHTING	(2) #12 CU & (1) #12 GND.	20	1	0.1	0.4	2	20	(2) #12 CU & (1) #12 GND.	RECEPTACLES			
RECEPTACLES	(2) #12 CU & (1) #12 GND.	20	3		0.4	4	15	(2) #12 CU & (1) #12 GND.	ELEC. RADIANT ROCK			
INFRARED HEATERS	(2) #12 CU & (1) #12 GND.	20	5	1.5	0.6	6	15	(2) #12 CU & (1) #12 GND.	POND PUMP			
SPARE	-	20	9		1.5	8	20	-	SPARE			
-	-	-	11			12	-	-	-			
SQUARE D 'QO' LOAD CENTER W/ OUTDOOR ENCLOSURE				2.6	2.6	5.2 KVA TOTAL						

Load Center 'F-1' (Base Bid)

120/240V 1Ø 3W+G			BUS RATING: 100A						MLO	
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD	
SPARE	-	20	1	-	-	2	20	-	SPARE	
RECEPTACLES	(2) #12 CU & (1) #12 GND.	20	3	-	0.4 0.1	4	20	(2) #12 CU & (1) #12 GND.	EXTERIOR LIGHT	
SPARE	-	20	5	-	-	6	15	-	SPARE	
			7	-	-	8				
SPARE	-	20	9	-	-	10	20	-	SPARE	
-	-	-	11	-	-	12	-	-	-	
SQUARE D 'QO' LOAD CENTER W/ OUTDOOR ENCLOSURE				-	0.50	0.50 KVA TOTAL				

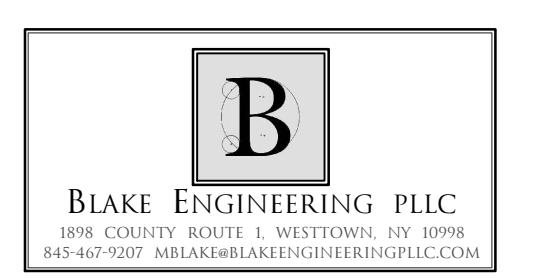
- NOTES:
- ALL POWER RECEPTACLES (INDOOR & OUTDOOR) ARE TO BE GFCI & INSTALLED IN 1-GANG VERTICAL 'IN-USE' TYPE METAL WEATHERPROOF COVERS TYPICAL OF TAYMAC MODEL MX3200 OR ACCEPTABLE EQUAL. MOUNT 36" ABOVE FINISHED GRADE OR FINISHED FLOOR DEPENDING ON LOCATION.
 - ALL LIGHT SWITCHES (INDOOR & OUTDOOR) ARE TO BE INSTALLED W/ WEATHERPOOF ELECTRICAL BOX LEVER SWITCH COVERS TYPICAL OF GREENFIELD MODEL KDL1P OR ACCEPTABLE EQUAL. MOUNT 48" ABOVE FINISHED GRADE OR FINISHED FLOOR DEPENDING ON LOCATION.
 - ALL ABOVE-GRADE EXPOSED CONDUCTORS ARE TO BE INSTALLED IN EMT CONDUIT W/ RAIN-TIGHT FITTINGS.
 - INSTALL ALL DEVICES IN ANIMAL HOUSES 3'-6" TO TOP OF DEVICE; TYPICAL.

TRAILSIDE MUSEUMS AND ZOO

Palisades Parks Conservancy
Bear Mountain State Park
Bear Mountain, New York 10911



DAVID A. GETZ, P.E.
N.Y.S. LIC. No. 01285



100% CONSTRUCTION DOCUMENTS



Job # 0191
Project ANIMAL HABITAT IMPROVEMENTS
Drawn By MB Checked MB
Date 02 April 2021
Scale 1/8" = 1'

Drawing Title
Night House
Electric Plans &
Panel Schedules

E2.00