

ELECTRICAL SYMBOLS SCHEDULE									
THIS LIST OF ELECTRICAL SYMBOLS FOR REFERENCE ONLY. SYMBOLS SHOWN HERE MAY OR MAY NOT BE USED ON THIS PROJECT.									
GENERAL SYMBOLS									
	KEY NOTE INDICATOR								
	EQUIPMENT INDICATOR								
	DRAWING REVISION INDICATOR								
ELECTRICAL DEVICES									
	SINGLE-POLE, THREE-WAY AND 4-WAY SWITCHES								
	SINGLE-POLE SWITCH WITH PILOT LIGHT								
	SINGLE-POLE WALL MOUNTED OCCUPANCY SENSOR								
	SINGLE-POLE WALL MOUNTED OCCUPANCY SENSOR/NIGHT LIGHT								
	SINGLE RECEPTACLE								
	DUPLEX RECEPTACLE								
	NEMA 5-20 SINGLE RECEPTACLE								
	GFI RECEPTACLE								
	RECEPTACLE WITH WEATHERPROOF COVER								
	DOUBLE DUPLEX RECEPTACLE								
	SPECIAL RECEPTACLE WITH VOLTAGE AND PHASE								
	JUNCTION BOX OR PULL BOX								
	MOUNT ABOVE COUNTER								
	ABOVE FINISHED FLOOR								
	OCCUPANCY SENSOR-DT200(SEE E4.0)								
	PHOTOCELL								
	PRESSURE SWITCH								
<table border="1"> <thead> <tr> <th colspan="2">SWITCH KEY</th> </tr> </thead> <tbody> <tr> <td></td> <td>DIMMING</td> </tr> <tr> <td></td> <td>SWITCH DESIGNATION</td> </tr> <tr> <td></td> <td>3 WAY</td> </tr> </tbody> </table>		SWITCH KEY			DIMMING		SWITCH DESIGNATION		3 WAY
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RECEPTACLE KEY									
	PANELBOARD DESIGNATION								
	CIRCUIT NUMBER								
POWER DISTRIBUTION									
	SURFACE/FLUSH MOUNTED PANELBOARD								
	SURFACE MTD SPECIALTY CABINET								
	FLUSH MTD SPECIALTY CABINET								
	COMBINATION STARTER/DISCONNECT								
	SAFETY SWITCHES SHOWN TO BE 600VAC, SINGLE THROW, HEAVY DUTY NEMA 12								
	NUMBER DENOTES FUSE SIZE NF = NON-FUSED NO. OF POLES AMPERE SIZE								
	MANUAL MOTOR STARTER. AMPERAGE AND POLES TO MATCH APPLICATION								
	TRANSIENT VOLTAGE SURGE SUPPRESSION								
	POWER COMPANY METER								
	C. T. CABINET								
	TRANSFORMER								
	AUTOMATIC TRANSFER SWITCH								
	EMERGENCY GENERATOR								
	FLUORESCENT LIGHTING FIXTURE WITH EMERGENCY BATTERY BALLAST. CONNECT TO LOCAL LIGHTING CIRCUIT AHEAD OF LIGHTING CONTROLS.								

COMMUNICATIONS	
	VOICE/DATA OUTLET BACK BOX. RUN CAT 6 CABLE FROM THE DEVICE TO THE LOCAL COMMUNICATIONS BACK BOARD. PROVIDE WITH 20' SPARE CABLE AT THE BACK BOARD AND 6' AT THE DEVICE BOX.
	WALL MOUNTED TELEPHONE OUTLET BACK BOX. MOUNT 60 IN. ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. PROVIDE CAT 6 CABLE WITH 20' SPARE AT THE BACK BOARD AND 6' AT THE DEVICE BOX.
	WALL MOUNTED WIRELESS DATA ACCESS POINT BOX AND CONDUIT SYSTEM. MOUNT 6" BELOW CEILING. PROVIDE CAT 6 CABLE WITH 20' SPARE AT THE BACK BOARD AND 6' AT THE DEVICE BOX.
	WALL MOUNTED TELEVISION BACK BOX PROVIDE RG 59 CABLE WITH 20' SPARE AT THE BASEMENT BACK BOARD AND 6' AT THE DEVICE BOX.
	FLOOR BOX/ 120V RECEPTACLE AMP CAT #557601-X
	DATA PORT (CAT 6)
	CABLE TV PORT (COAX)
	TELEPHONE PORT (CAT 6)
IN CONDUIT TO TELECOM ROOM 003	
GROUNDING AND LIGHTNING PROTECTION	
	THERMITE WELD TO BLDG OR EQUIP
	THERMITE WELD OF GROUND CONDUCTORS
	THERMITE WELD TO GROUND ROD
	GROUND FAULT CIRCUIT INTERRUPTER
	WEATHERPROOF ENCLOSURE
	GROUND
	GALVANIZED RIGID STEEL CONDUIT
	LOW VOLTAGE
	AMPERE
	NOT TO SCALE
	OFFICE PRINCIPAL GROUND SWITCH
	NEW WORK
	EXISTING CONDITIONS TO REMAIN
RESCUE ASSISTANCE	
	RESCUE ASSISTANCE MASTER CONTROL PANEL
	RESCUE ASSISTANCE CALL STATION

LUMINAIRE SCHEDULE								
SYMBOL	TYPE	WATTAGE	LAMPS	DESCRIPTION	MANUFACTURER	CATALOG NO.	MOUNTING	REMARKS
	A	32W	(1) 32 WATT TRT COMPACT FLUOR. HORIZONTAL POSITION LAMP	AF 6" APERTURE OPEN DOWNLIGHT 1/32TRT. FIXTURES NOTED WITH "E" INDICATE EMERGENCY FIXTURE, PROVIDE WITH OPTIONAL EMERGENCY BATTERY PACK SYSTEM.	GOETHAM	AF-1/32TRT-6AR	RECESSED	
	B	22W	(1) 22 WATT 120 VOLT NPF CIRCULE BALLAST	13" DIAMETER LUMINOUS BOWL FIXTURE	BORDEN LIGHTING	110-17-T5/22-120-SNK	SURFACE	
	C	156W	(6) 26 WATT COMPACT FLUORESCENT LAMPS	29 1/4" DIAMETER WHEATON PENDANT FIXTURE	BRASS LIGHT GALLERY	PA-9128-A19	PENDANT	SEE NOTE 2
	D	52W	(2) 26 WATT COMPACT FLUORESCENT LAMP	WALL MOUNTED FIXTURE.	BORDEN LIGHTING	509-CF2/13 120	WALL	SEE NOTE 5
	D1	46W	(1) 42 WATT COMPACT FLUORESCENT LAMP	4 3/8" WALL MOUNTED FIXTURE WITHOUT ROOF. STUDIO LANTERN. PROVIDE WITH OPTIONAL FLUORESCENT LAMP KIT.	BRASS LIGHT GALLERY	PA-2105-A16	WALL	SEE NOTE 5
	D2	84W	(2) 42 WATT COMPACT FLUORESCENT LAMP	10" EXTERIOR WALL MOUNTED WEDGE DOWNLIGHT FIXTURE WITH PHOTOCELL. FIXTURES NOTED WITH "E" INDICATE EMERGENCY FIXTURE, PROVIDE WITH OPTIONAL EMERGENCY BATTERY PACK SYSTEM.	BORDEN LIGHTING	721-CF2/42-120-NBZ	WALL	SEE NOTE 5
	N	52W	(2) 26 WATT F32T8/SPX35 FLUORESCENT	WALL MOUNTED VANITY FIXTURE	BORDEN LIGHTING	572-25-CF2/26-120-SAL	WALL	SEE NOTE 5
	E	64W	(2) 32 WATT T8 LAMPS	4' INDUSTRIAL LUMINAIR. POLYESTER PAINT REFLECTORS PROVIDE 10% UPLIGHT FROM (2) 32W T8 LAMPS. (1) TWO LAMP ELECTRONIC BALLAST. FIXTURES NOTED WITH "E" INDICATE EMERGENCY FIXTURE, PROVIDE WITH OPTIONAL EMERGENCY BATTERY PACK SYSTEM.	DAYBRITE - CAPRI	1F232-PP-UNV-1/2-EB	SURFACE	
	F	64W	(2) 32 WATT LAMPS	FLUORESCENT WRAPAROUND NARROW LUMINAIRE WITH (2) 32W LAMPS WITH MULTIPLE KNOCKOUTS TO ACCOMMODATE A VARIETY OF MOUNTING METHODS. FIXTURES NOTED WITH "E" INDICATE EMERGENCY FIXTURE, PROVIDE WITH OPTIONAL EMERGENCY BATTERY PACK SYSTEM.	DAYBRITE	SW-N-2-32-120	SURFACE MOUNTED	
	G	40W	(2) 32 WATT F32T8/SPX35 LINEAR FLUOR.	WHITE PAINTED FABRICATED METAL HOUSING WITH WHITE PAINTED END PEICES AND PERFORATED LOWER SURFACE. METAL REFLECTOR WITH SPECULAR FILM FINISH. TRANSLUCENT WHITE PLASTIC LENS OVER LOWER HOUSING SURFACE. OPEN TOP. FIXTURES NOTED WITH "E" INDICATE EMERGENCY FIXTURE, PROVIDE WITH OPTIONAL EMERGENCY BATTERY PACK SYSTEM.	FINELITE	SERIES 5WM	WALL	SEE NOTE 5
	I	32W CFL		ELEVATOR PIT / GENERATOR ENCLOSURE LIGHT FIXTURE	CANLET	6802FWF310G09	SURFACE, WALL / CEILING AS REQUIRED FOR APPLICATION	
	J	165W	1-150 WT CMH/T-6 G12	25 1/2" DIAMETER PH 6 MAXI PENDANT FIXTURE	LOUIS POULSEN	PH 6 MAX 1/150/CMH/T6 G12 120V WHT	PENDANT	SEE NOTE 2
	K	64W	(2) 32 WATT T8 LAMPS	INDUSTRIAL STRIP LUMINAIR WITH (2) 32W T8 LAMPS. (1) TWO LAMP ELECTRONIC BALLAST. SIZES ARE 4', 3' AND / OR 2' TO BEST MATCH FELD CONDITIONS. COORDINATE SIZES WITH FELD CONDITIONS PRIOR TO ROUGH-IN. FIXTURES NOTED WITH "E" INDICATE EMERGENCY FIXTURE, PROVIDE WITH OPTIONAL EMERGENCY BATTERY PACK SYSTEM.	DAYBRITE - STRIP	T2-SIZE AS REQUIRED-120V	CORRIDOR COVE	
	L	48W	(2) 14 WATT T5H0 FLUORESCENT 3500K	2' X 2' VOLUMETRIC RECESSED TROFFER	LITHONIA	2RT5-14-T5-MVOLT-GE895-LP835	RECESSED	
	M	64W	(2) 28 WATT T5 FLUORESCENT 3500K	4' X 2' VOLUMETRIC RECESSED TROFFER	LITHONIA	2RT5-28-T5-MVOLT-GE895-LP853	RECESSED	
	N	96W	(3) 32 WATT T8 LAMPS	4' X 1' RECESSED TROFFER FOR WET LOCATION.	DAYBRITE	1DWLG332FS01-120-1/3EB	RECESSED	
		100W	8 LED SPOTLIGHT HEADS	8 FT SECTION OF MICRO TRACK MOUNTED TO THE TOP OF THE DISPLAY CASE. PROVIDE WITH 8 SPOT LIGHTS WITH NARROW OPTICS. 120 VOLT	RADIANT LIGHTING	MICRO LIGHTING TRACK	SURFACE MOUNTED TO THE INSIDE TOP OF DISPLAY CASE	
			EXIT SIGN	DOUBLE FACE EXIT SIGN, WHITE HOUSING, AC AND UTILIZING NICKLE CADMIUM BATTERY.	McPHILBEN	ER45VXL-SC-2-W-RW-LR	CEILING SURFACE	
			EMERGENCY UNIT	UV STABLE AND FLAME RATED HOUSING, (2) ADJUSTABLE RANGE HEADS, LEAD CALCIUM BATTERY AND SOLID STATE CHARGER.	McPHILBEN	CTX6L12WCSWD	CEILING SURFACE	
			REMOTE HEAD				CEILING SURFACE	

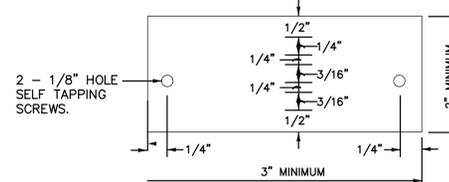
LUMINAIRE SCHEDULE NOTES:

- LUMINAIRE MANUFACTURERS AND MODEL NUMBERS INDICATED ABOVE ARE FOR A DESIGN STANDARD. ADDITIONAL MANUFACTURERS AND MODEL NUMBERS MUST BE APPROVED BY THE DEPARTMENT
- THE MOUNTING HEIGHTS AND LOCATIONS OF LUMINAIRES MUST BE COORDINATED WITH DUCT WORK, PIPING, ETC.
- UNLESS INDICATED OTHER WISE PROVIDE FUSING, BALLAST AND LAMPS AS INDICATED IN SPECIFICATION SECTION 16500.
- NOT USED
- REFERENCE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS & LOCATIONS OF WALL MOUNTED LUMINAIRES, EXCEPT FOR BASEMENT ROOM 002, 003, AND 004.

CEILING FAN SCHEDULE					
SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	CATALOG NO.	REMARKS
	H	CEILING PADDLE FAN	LAPA	LAP-BN-42-NK-551-004	PENDANT MOUNT
	H1	CEILING PADDLE FAN	LAPA	LAP-BN-52-NK-551-004	PENDANT MOUNT

FAN SCHEDULE NOTES:

- FAN MANUFACTURERS AND MODEL NUMBERS INDICATED ABOVE ARE FOR A DESIGN STANDARD. ADDITIONAL MANUFACTURERS AND MODEL NUMBERS MUST BE APPROVED BY THE DEPARTMENT.



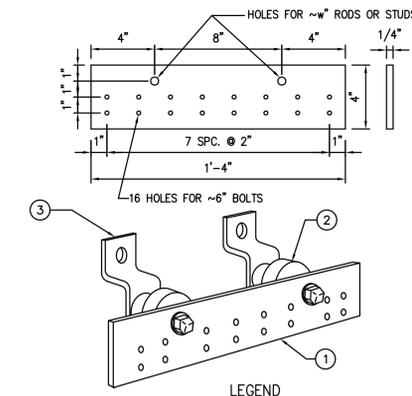
NOTES:

- FASTEN TO EQUIPMENT WITH SELF TAPPING SCREWS.
- SUBMIT LISTING OF NAMEPLATES FOR APPROVAL.
- COLOR CODED NAMEPLATES SHOULD BE PROVIDED FOR ALL SWITCHGEAR AND ASSOCIATED ITEMS, SUCH AS, PANELS, CIRCUIT BREAKERS, DISCONNECT SWITCHES, AUTOMATIC TRANSFER SWITCHES, ETC. NAMEPLATES SHOULD SHOW THE FOLLOWING:

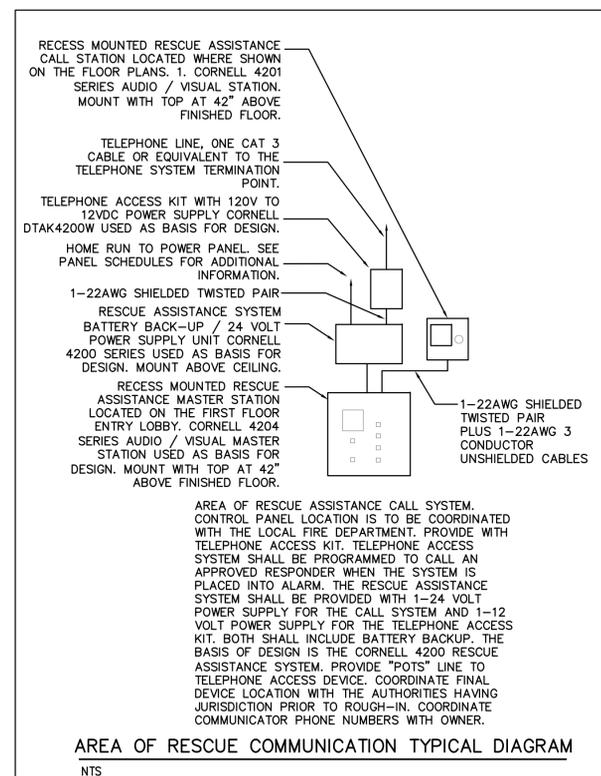
ITEM NAME - 1/4" LETTERS - ALL CAPS
 AMPS, VOLTS, PHASE - 3/16" LETTERS - ALL CAPS
 FED FROM _____ - 3/16" LETTERS - ALL CAPS

FOR EXAMPLE: PANEL K11
 400 AMP, 208 VOLTS, 3 PHASE-4 WIRE
 FED FROM MDP

EQUIPMENT NAMEPLATE DETAIL
 N.T.S.



- LEGEND
- COPPER GROUND BAR, 1/4" X 4" X 16", NEWTON INSTRUMENT CO. MOUNT BAR AT 2"-0" BELOW CEILING TO TOP OF BAR.
 - INSULATORS, NEWTON INSTRUMENT CO.
 - WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO.
- GROUND BAR TYPICAL DETAIL
 SCALE: NTS



THIS RECORD DRAWING HAS BEEN PREPARED ON INFORMATION PROVIDED BY OTHERS. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

PROJECT NUMBER
 20070085

LLI ENGINEERING		PROJECT COORDINATOR	
6000 BROOKTREE ROAD, SUITE 300	WEXFORD, PA		
724 634-8800			
	10/01/10	RECORD DRAWING	
	09/09/08	ADDENDUM NO. 1	
	09/09/08	ISSUED FOR CONSTRUCTION	
NO.	DATE	REVISION	APPR.
SUBMITTED			
PROJECT DESIGNER		PROJECT COORDINATOR	
APPROVED			
CHIEF - DIVISION OF DESIGN			
APPROVED			
DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION			

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
 OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494

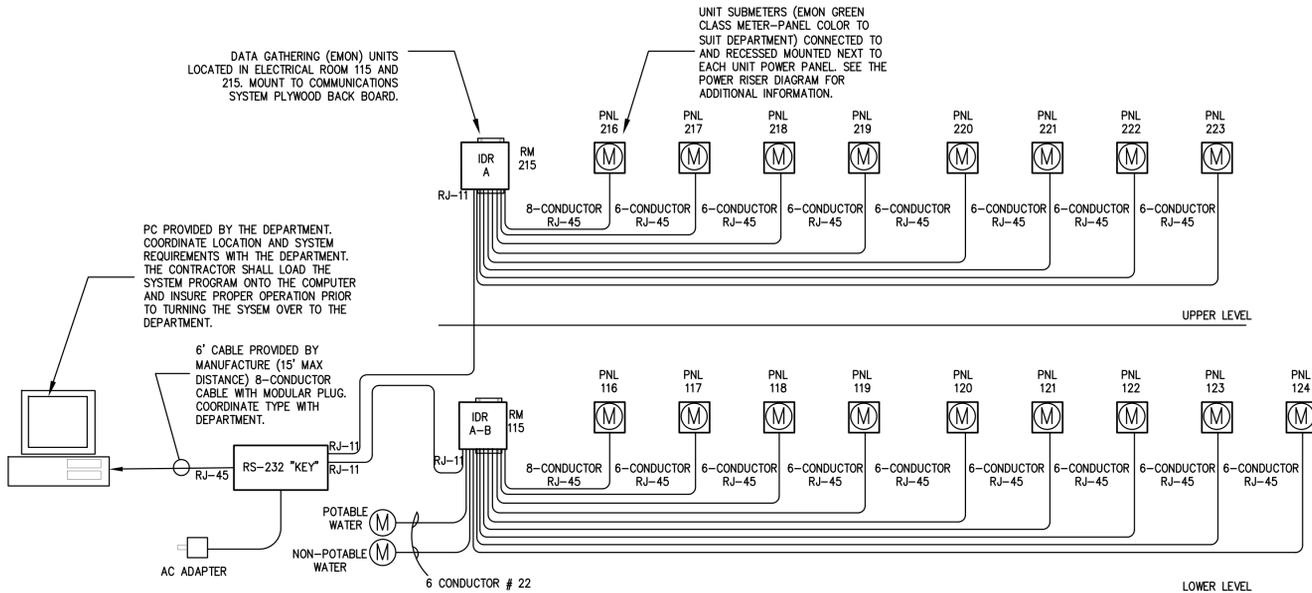
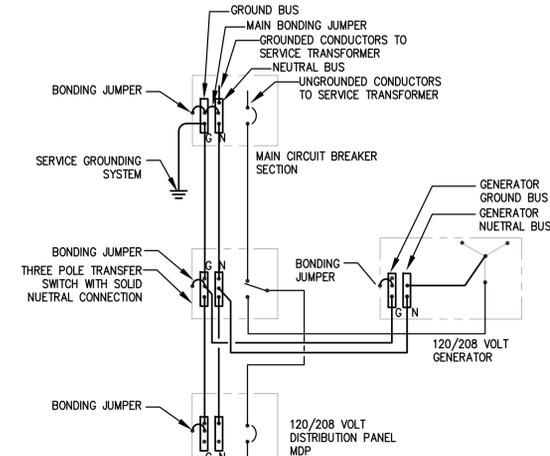
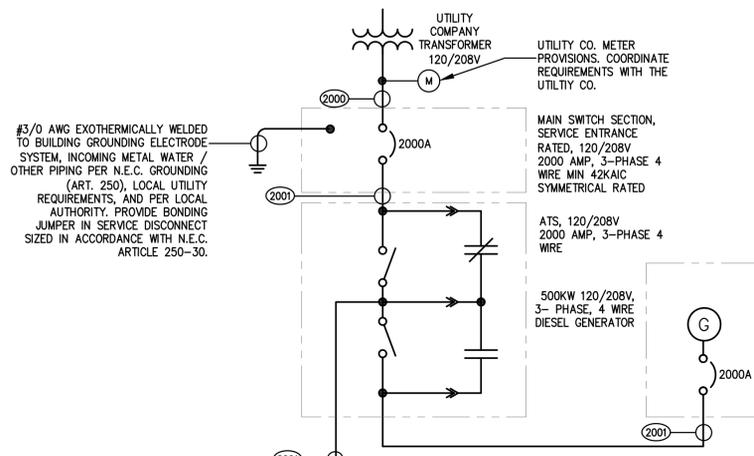
APPLICABLE CONTRACT NO'S.

GENERAL:	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK
 HOWARD AND LIBERTY TOWNSHIP,
 CENTRE COUNTY, PENNSYLVANIA

ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

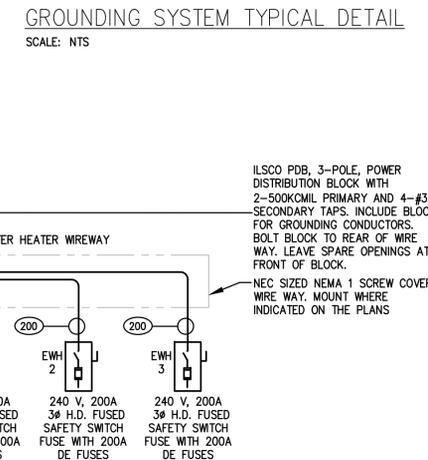
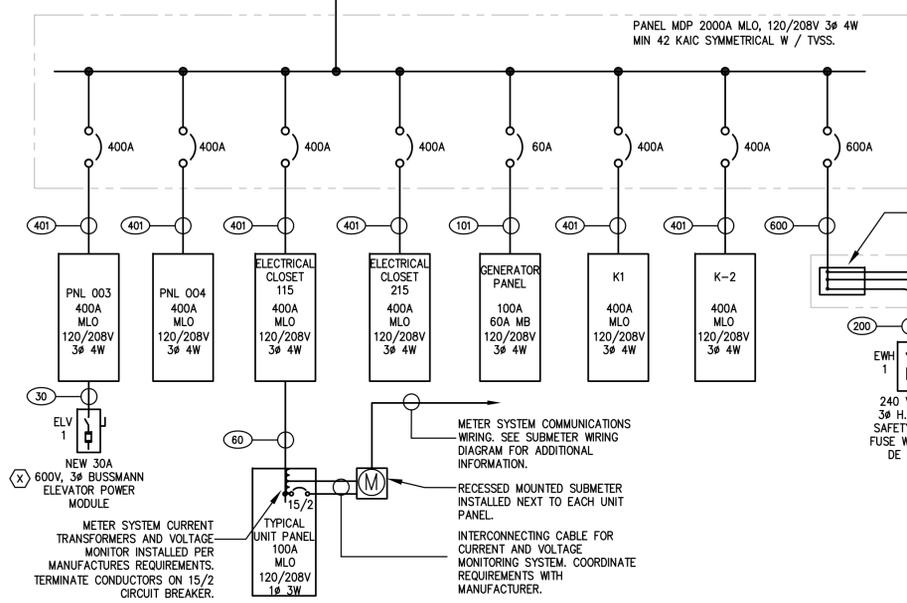
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CHECKED BY: ---	SCALE: AS NOTED	E0.0



CONNECTION SCHEDULE

CONNECTION	CABLE TYPE	CONNECTOR
FROM THE IDR TO THE FIRST METER CONNECTED TO THE IDR.	8-CONDUCTOR 22-26 AWG FLAT MODULAR CABLE. COORDINATE WIRE SIZE WITH MANUFACTURE.	RJ-45
FROM THE IDR TO THE REMAINING METERS CONNECTED TO THE IDR.	6-CONDUCTOR 22-26 AWG FLAT MODULAR CABLE. COORDINATE WIRE SIZE WITH MANUFACTURE.	RJ-45
IDR TO METER #2 THRU #6	6-CONDUCTOR 22-26 AWG FLAT MODULAR CABLE. COORDINATE WIRE SIZE WITH MANUFACTURE.	RJ-45
IDR TO RS-232 KEY (BY MANUFACTURE)	4-CONDUCTOR 22AWG	RJ-11
RS-232 KEY TO COMPUTER (BY MANUFACTURE)	8-CONDUCTOR 22-26 AWG FLAT MODULAR CABLE. COORDINATE WIRE SIZE WITH MANUFACTURE.	RJ-45

COORDINATE WIRING TYPES AND COUNTS WITH THE SELECTED MANUFACTURE PRIOR TO ROUGH-IN. COORDINATE PIN CONFIGURATION WITH SELECTED MANUFACTURE FOR ALL FIELD TERMINATED CABLES.



ENERGY MONITORING SYSTEM TYPICAL WIRING DETAIL
SCALE: NTS

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PROJECT NUMBER 20070085

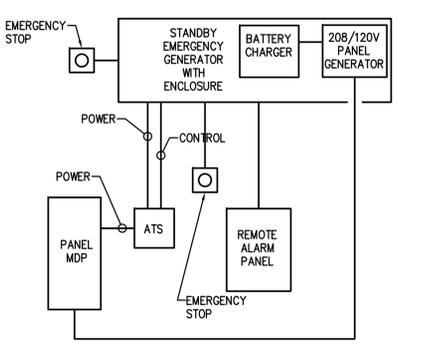
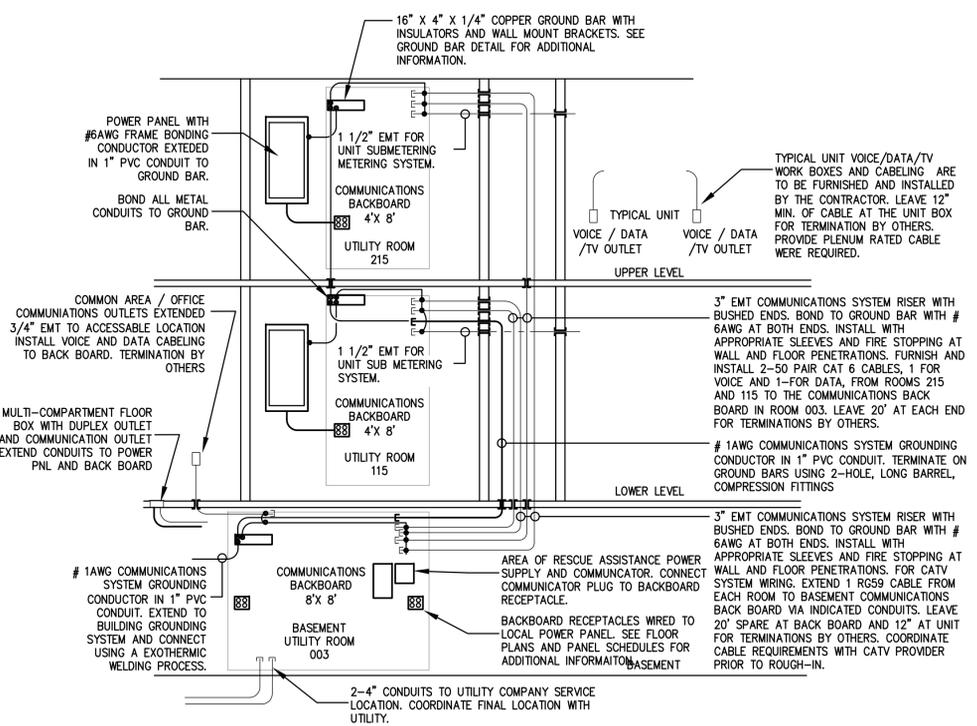
LLI ENGINEERING
6000 BROOKTREE ROAD, SUITE 300 WELFORD, PA 17257-9800 724-834-8800

NO.	DATE	REVISION	APPR.
1	09/03/08	ISSUED FOR CONSTRUCTION	

GENERAL NOTES

- ALL BREAKERS SHOWN ON SINGLE LINE ARE 3 POLE (3P) BREAKERS UNLESS OTHERWISE NOTED AS SINGLE POLE (1P)
- SEE GROUNDING DETAILS FOR ADDITIONAL GROUNDING INFORMATION.

20	3 #12 & 1 #12 GND - 3/4"	90	3 #2 & 1 #8 GND - 1-1/4"	226	4 #4/0 & 1 #4 GND - 2 1/2"
21	4 #12 & 1 #12 GND - 3/4"	100	3 #1 & 1 #8 GND - 1-1/2"	251	3 250kcmil & 1 #4 GND - 2 1/2"
30	3 #10 & 1 #10 GND - 3/4"	101	4 #1 & 1 #8 GND - 1-1/2"	301	4 350kcmil & 1 #4 GND - 3"
32	3 #6 & 1 #10 GND - 1 1/2"	110	3 #2 & 1 #6 GND - 1-1/2"	400	3 500kcmil & 1 #3 GND - 3"
40	3 #8 & 1 #10 GND - 3/4"	126	4 #1 & 1 #6 GND - 1-1/2"	401	4 600kcmil & 1 #3 GND - 3-1/2"
41	4 #8 & 1 #10 GND - 1"	151	4 #1/0 & 1 #6 GND - 1-1/2"	600	2 SETS (3 350kcmil & 1 #1 GND - 3")
50	3 #6 & 1 #10 GND - 3/4"	175	3 #2/0 & 1 #6 GND - 1-1/2"	601	2 SETS (4 350kcmil & 1 #1 GND - 3")
51	4 #6 & 1 #10 GND - 1"	176	4 #2/0 & 1 #6 GND - 2"	801	2 SETS (4 500kcmil & 1 #1/0 GND - 3-1/2")
62	3 #4 & 1 #10 GND - 1 1/2"	200	3 #3/0 & 1 #6 GND - 2"	802	2 SETS (2 500kcmil & 1 #1/0 GND - 3-1/2")
70	3 #4 & 1 #8 GND - 1"	201	4 #3/0 & 1 #6 GND - 2"	1601	4 SETS (4 600kcmil & 1 #4/0 GND - 3-1/2")
80	3 #4 & 1 #8 GND - 1"	225	3 #4/0 & 1 #4 GND - 2"	2000	5 SETS (4 600kcmil - 4")
				2001	5 SETS (4 600kcmil & 1 250kcmil GND - 3-1/2")



COMMUNICATIONS SYSTEM TYPICAL DETAIL
SCALE: NTS

STANDBY EMERGENCY GENERATOR BLOCK DIAGRAM
SCALE: NTS

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494

APPLICABLE CONTRACT NO'S.

GENERAL: PLUMBING:
HVAC: ELECTRICAL: FDC-133-4494.4
ROADWAY:

THE INN AT BALD EAGLE STATE PARK
HOWARD AND LIBERTY TOWNSHIP,
CENTRE COUNTY, PENNSYLVANIA

ELECTRICAL SINGLE LINE

DRAWN BY: DRC DATE: 09-03-08 DRAWING NO: E3.0
CHECKED BY: AS NOTED SCALE: AS NOTED



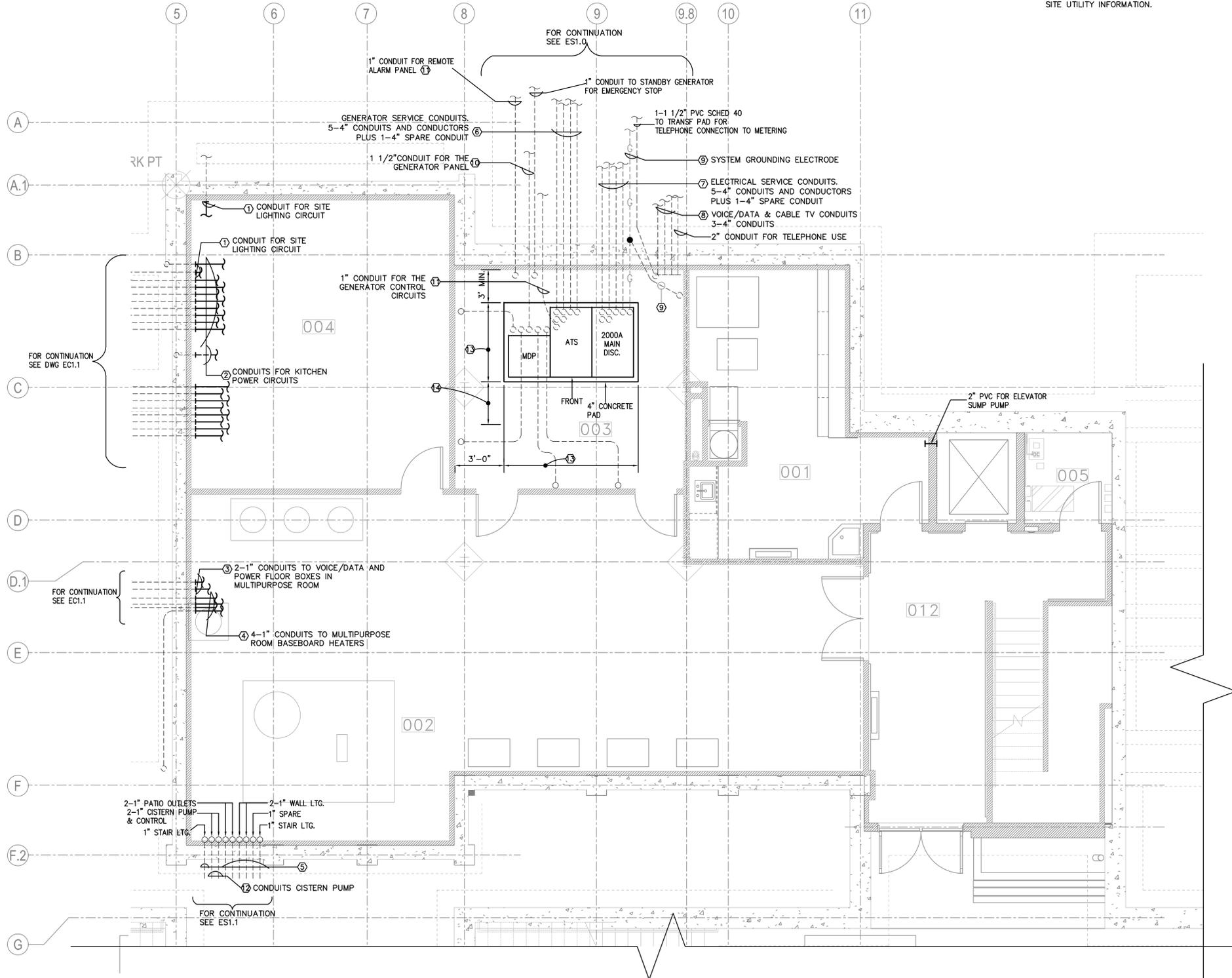
NORTH

GENERAL NOTES

1. CONDUIT RUNS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. CONDUITS SHALL BE RUN THROUGH UNPAVED AREAS WHEREVER POSSIBLE.
2. ALL CONDUIT SHALL BE RUN 24" BELOW FINISHED GRADE (MINIMUM), WITH CAUTION TAPE 12" ABOVE CONDUIT.
3. ALL CONDUIT RUNS SHALL BE SCHEDULE 40 PVC, SIZE AS INDICATED ON DRAWINGS, TRANSITIONED TO GALVANIZED RIGID STEEL CONDUIT PRIOR TO ENTRANCE TO THE BUILDING. REFER TO SPECIFICATIONS FOR CONDUIT REQUIREMENTS UPON ENTRANCE OF BUILDING.
4. EXTERIOR LIGHTING CIRCUITS ARE TO BE CONTROLLED THROUGH THE LIGHTING CONTACTOR PANEL AND ACTIVATED/DEACTIVATED VIA THE INDICATED PHOTO CELL MOUNTED AT THE ROOF LINE AIMING NORTH. SEE THE LIGHTING CONTACTOR PANEL DIAGRAM ON E4.0 FOR ADDITIONAL INFORMATION.
5. COORDINATE WORK WITH DRAWING C5.0 WHICH CONTAINS ADDITIONAL SITE UTILITY INFORMATION.

KEY NOTES

1. PROVIDE EMBEDDED CONDUIT FOR THE SITE LIGHTING SYSTEM. SEE SITE ELECTRICAL PLAN ON DRAWING ES1.0 AND THE CONDUIT / TRENCHING DETAILS ON SITE PLAN C5.0 FOR ADDITIONAL INFORMATION.
2. PROVIDE EMBEDDED CONDUITS FOR THE KITCHEN EQUIPMENT. SEE ENLARGED KITCHEN PLAN ON DRAWING EC1.1 FOR CONDUIT CONTINUATION.
3. PROVIDE EMBEDDED CONDUITS FOR VOICE / DATA CONDUIT SYSTEM FROM THE BASEMENT COMMUNICATIONS SYSTEM BACKBOARD TO MULTI-PURPOSE ROOM FLOOR BOXES AND POWER CONDUITS FROM THE POWER PANEL TO THE FLOOR BOXES. SEE THE LOWER LEVEL ELECTRICAL PLANS ON DRAWING EP1.1 FOR ADDITIONAL INFORMATION.
4. PROVIDE EMBEDDED CONDUITS FOR THE MULTI-PURPOSE ROOM BASEBOARD HEATERS. EXTEND POWER CONDUITS FROM THE POWER PANEL TO THE HEATER TERMINATION LOCATIONS. SEE THE LOWER LEVEL ELECTRICAL PLANS ON DRAWING EP1.1 FOR ADDITIONAL INFORMATION. COORDINATE LOCATIONS WITH DIVISION 23 PRIOR TO ROUGH-IN.
5. PROVIDE EMBEDDED CONDUITS FOR EXTERIOR PATIO LIGHTING AND POWER CIRCUITS. SEE THE SITE ELECTRICAL PLAN ON DRAWING ES1.0 AND THE CONDUIT / TRENCHING DETAILS ON THE SITE PLAN C5.0 FOR ADDITIONAL INFORMATION.
6. PROVIDE EMBEDDED CONDUIT FOR THE GENERATOR POWER SYSTEM. SEE RISER DIAGRAM ON DRAWING E3.0 AND THE CONDUIT / TRENCHING DETAILS ON SITE PLAN C5.0 FOR ADDITIONAL INFORMATION.
7. PROVIDE EMBEDDED CONDUIT FOR THE BUILDING POWER SYSTEM. SEE RISER DIAGRAM ON DRAWING E3.0 AND THE CONDUIT / TRENCHING DETAILS ON SITE PLAN C5.0 FOR ADDITIONAL INFORMATION.
8. PROVIDE AN EMBEDDED VOICE / DATA & CABLE TV CONDUIT SYSTEM FROM THE BASEMENT COMMUNICATIONS SYSTEM BACKBOARD TO THE UTILITY COMPANY SERVICE POINTS. COORDINATE REQUIREMENTS WITH THE UTILITY COMPANY. SEE DRAWING ES1.0, C5.0 & C5.1 FOR CONTINUATION AND THE CONDUIT / TRENCHING DETAILS ON SITE PLAN C5.0 FOR ADDITIONAL INFORMATION.
9. PROVIDE EMBEDDED CONDUIT FOR THE BUILDING GROUNDING ELECTRODE SYSTEM. SEE RISER DIAGRAM ON DRAWING E3.0 AND THE GROUNDING ELECTRODE DETAIL ON ES1.0 FOR ADDITIONAL INFORMATION.
10. PROVIDE EMBEDDED CONDUIT FOR THE GENERATOR PANEL FEEDER LOCATED INSIDE THE GENERATOR HOUSING. SEE RISER DIAGRAM ON DRAWING E3.0 AND THE CONDUIT / TRENCHING DETAILS ON SITE PLAN C5.0 FOR ADDITIONAL INFORMATION.
11. PROVIDE EMBEDDED CONDUIT AS REQUIRED BY THE GENERATOR MANUFACTURE FOR THE GENERATOR REMOTE ALARM PANEL AND CONTROL CIRCUITS. SEE DRAWING EP1.0 FOR ALARM PANEL LOCATION. COORDINATE CABLING AND CONDUIT REQUIREMENTS WITH THE GENERATOR MANUFACTURE PRIOR TO ROUGH-IN.
12. POWER AND CONTROL CONDUIT FOR NON-POTABLE WATER CISTERN PUMP. 3-#12 AWG + 1-#12 GND IN 1" C AND 1-EMPTY 1" CONDUIT FROM CISTERN TO SYSTEM CONTROL PANEL COORDINATE FINAL LOCATION AND WIRING REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN.
13. HOUSE KEEPING PAD 8" LARGER THAN EQUIPMENT AND 4" HIGH.
14. REQUIRED MINIMUM WORK SPACE 3'-0" OR GREATER PER EQUIPMENT MANUFACTURERS REQUIREMENTS.



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LLI ENGINEERING
 6000 BROOKTREE ROAD, SUITE 300 WEXFORD, PA 724 934-8800
 PROJECT NUMBER 20070085

NO.	DATE	REVISION	APPR.
1	09/03/08	ISSUED FOR CONSTRUCTION	

SUBMITTED: _____
 PROJECT DESIGNER: _____ PROJECT COORDINATOR: _____
 APPROVED: _____
 CHIEF - DIVISION OF DESIGN: _____
 APPROVED: _____
 DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION: _____

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
 OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494
 APPLICABLE CONTRACT NO'S:
 GENERAL: _____ PLUMBING: _____
 HVAC: _____ ELECTRICAL: FDC-133-4494.4
 ROADWAY: _____

THE INN AT BALD EAGLE STATE PARK
 HOWARD AND LIBERTY TOWNSHIP,
 CENTRE COUNTY, PENNSYLVANIA

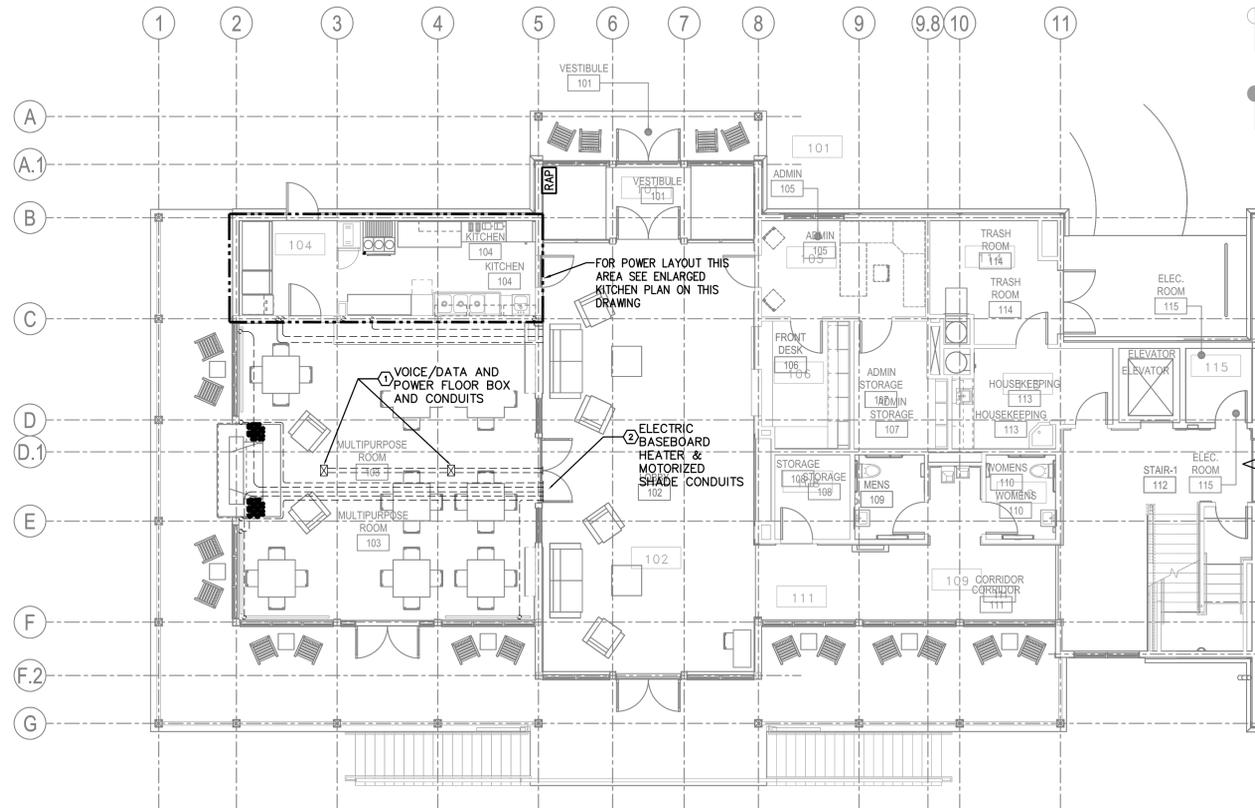
BASEMENT PLAN
 EMBEDDED CONDUIT

DRAWN BY: STE DATE: 09-03-08 DRAWING NO.: EC1.0
 CHECKED BY: --- SCALE: AS NOTED

1 BASEMENT LEVEL EMBEDDED CONDUIT PLAN
 XX SCALE: 1/4" = 1'-0"



NORTH



GENERAL NOTES

1. CONDUIT RUNS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. CONDUITS SHALL BE RUN THROUGH UNPAVED AREAS WHEREVER POSSIBLE.
2. ALL CONDUIT RUNS SHALL BE SCHEDULE 40 PVC, SIZE AS INDICATED ON DRAWINGS, TRANSITIONED TO GALVANIZED RIGID STEEL CONDUIT PRIOR TO ENTRANCE TO THE BUILDING. REFER TO SPECIFICATIONS FOR CONDUIT REQUIREMENTS UPON ENTRANCE OF BUILDING.
3. COORDINATE WORK WITH DRAWING EP1.1 WHICH SHOWS CIRCUIT INFORMATION.

KEY NOTES

1. PROVIDE EMBEDDED CONDUITS FOR VOICE / DATA CONDUIT SYSTEM FROM THE BASEMENT COMMUNICATIONS SYSTEM BACKBOARD TO MULTI-PURPOSE ROOM FLOOR BOXES AND POWER CONDUITS FROM THE POWER PANEL TO THE FLOOR BOXES. SEE THE LOWER LEVEL ELECTRICAL PLANS ON DRAWING EP1.1 FOR ADDITIONAL INFORMATION.
2. PROVIDE EMBEDDED CONDUITS FOR THE MULTI-PURPOSE ROOM BASEBOARD HEATERS & MOTORIZED SHADE. EXTEND POWER CONDUITS FROM THE POWER PANEL TO THE TERMINATION LOCATIONS. SEE THE LOWER LEVEL ELECTRICAL PLANS ON DRAWING EP1.1 FOR ADDITIONAL INFORMATION. COORDINATE LOCATIONS WITH .2 CONTRACTOR & .1 CONTRACTOR PRIOR TO ROUGH-IN.
3. PROVIDE EMBEDDED CONDUITS FOR THE KITCHEN EQUIPMENT. SEE ENLARGED KITCHEN PLAN ON DRAWING EP1.1 FOR ADDITIONAL INFORMATION.
4. PROVIDE EMBEDDED CONDUIT FOR THE SITE LIGHTING SYSTEM. SEE SITE ELECTRICAL PLAN ON DRAWING ES1.0 AND THE CONDUIT / TRENCHING DETAILS ON SITE PLAN CS.0 FOR ADDITIONAL INFORMATION.

1 LOWER LEVEL EMBEDDED CONDUIT PLAN A
 SCALE: 1/8" = 1'-0"

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LLI ENGINEERING
 6000 BROOKTREE ROAD, SUITE 300 WEXFORD, PA 724 934-8800

PROJECT NUMBER
20070085

10/1/10	RECORD DRAWING		
09/28/08	ADDENDUM NO. 1		
1	ISSUED FOR CONSTRUCTION		
NO.	DATE	REVISION	APPR.

SUBMITTED	PROJECT DESIGNER	PROJECT COORDINATOR
APPROVED	CHIEF - DIVISION OF DESIGN	
APPROVED	DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION	

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
 OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494

APPLICABLE CONTRACT NO'S.

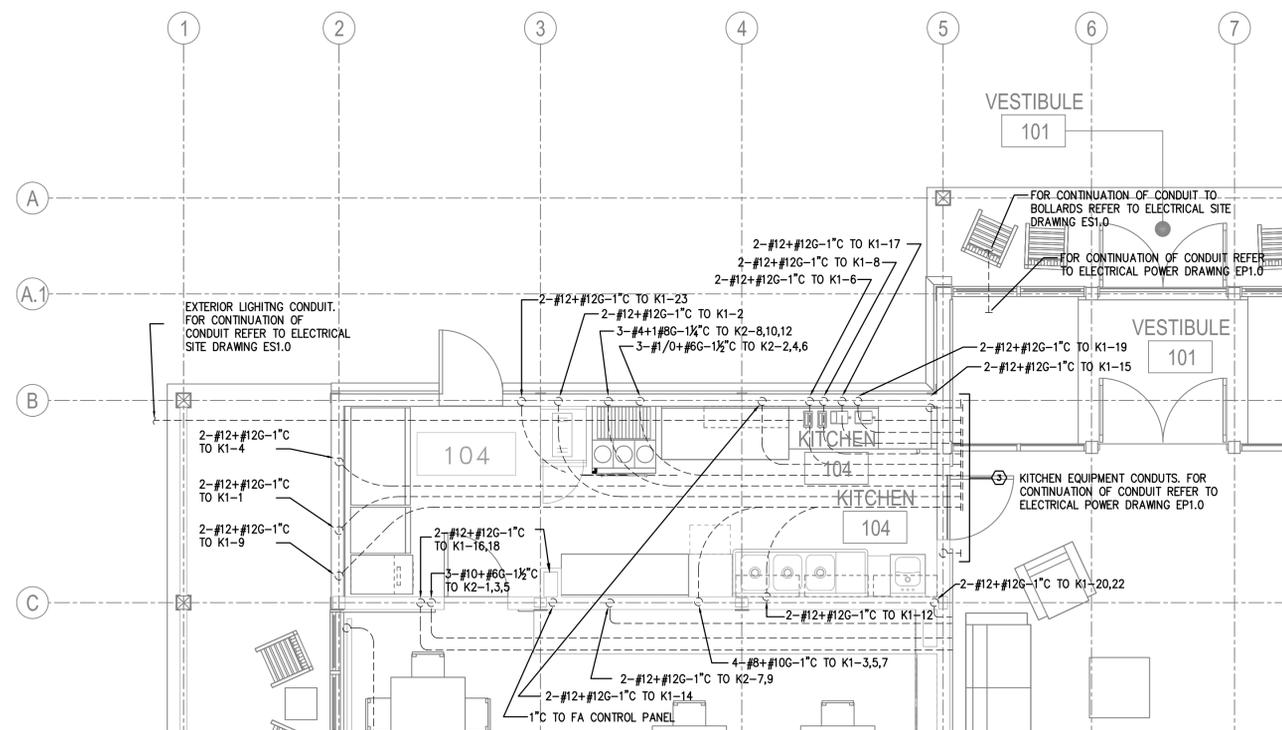
GENERAL:	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK
 HOWARD AND LIBERTY TOWNSHIP,
 CENTRE COUNTY, PENNSYLVANIA

LOWER LEVEL FLOOR PLAN
 EMBEDDED CONDUIT

DRAWN BY:	DATE:	DRAWING NO.:
DRC	09-03-08	
CHECKED BY:	SCALE:	
	AS NOTED	

EC1.1



3 ENLARGED KITCHEN PLAN
 SCALE: 1/4" = 1'-0"

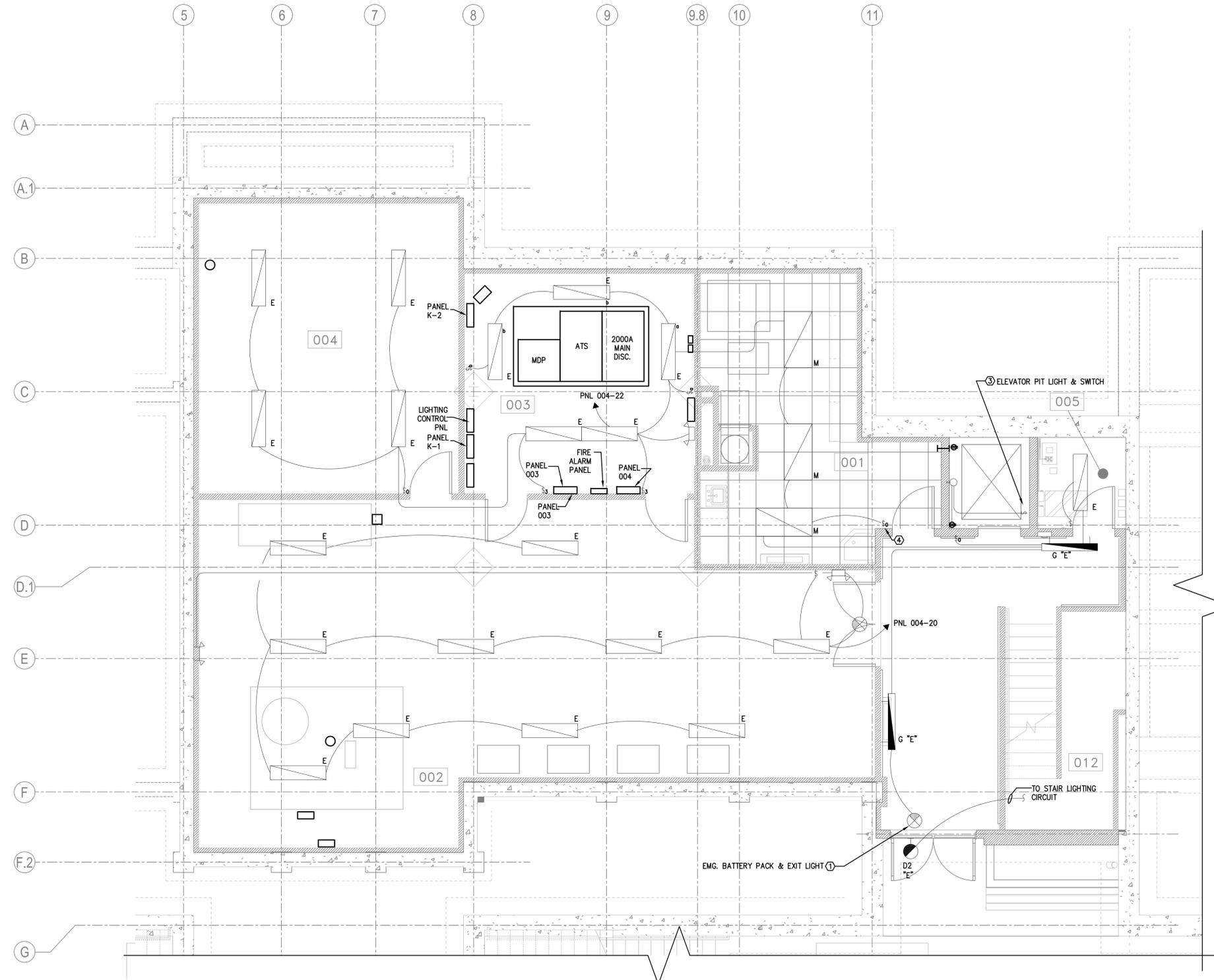


DRAWING GENERAL NOTES

1. SEE SINGLE LINE DIAGRAM ON DRAWING E3.0 AND PANEL SCHEDULES ON DRAWINGS ES7.0 AND ES7.1 FOR NEW PANEL SIZES AND CIRCUIT REQUIREMENTS.
2. ALL CONDUITS FOR BASEMENT LIGHTING CIRCUITS ARE TO RUN SURFACE MOUNTED ON THE BUILDING STRUCTURE. COORDINATE RUNS WITH FIELD INSTALLED CONDITIONS OF OTHER TRADES.

DRAWING KEY NOTES

1. EMERGENCY / EXIT LIGHTS. WIRE TO NON-SWITCHED LEG OF SWITCHED CIRCUITS. WIRE TO NON SWITCHED LIGHTING CIRCUITS AS REQUIRED BY THE NEC.
2. PROVIDE ALL MATERIAL AND LABOR REQUIRED TO PENDANT MOUNT FIXTURES. SEE ARCHITECTURAL PLANS FOR CEILING CONSTRUCTION. COORDINATE FINAL FIXTURE LOCATIONS WITH FIELD CONDITIONS INCLUDING DUCTWORK, PIPING, CONDUITS, ETC.
3. WIRE ELEVATOR PIT LUMINARIES AND SWITCH AS INDICATED. COORDINATE MOUNTING HEIGHT AND LOCATION WITH SELECTED ELEVATOR MANUFACTURE.
4. SINGLE POLE OCCUPANCY SENSOR WIRE TO LIGHTING CIRCUIT FOR CONTROLLING THE INDICATED FIXTURES. PROVIDE DUAL TECHNOLOGY SENSORS WITH MANUAL OVERRIDE. SEE THE OCCUPANCY SENSOR TYPICAL WIRING DIAGRAM ON DRAWING E4.0 FOR ADDITIONAL INFORMATION.



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LLI ENGINEERING
 6000 BROOKTREE ROAD, SUITE 300 WEXFORD, PA 15090-0000
 PROJECT NUMBER 20070085

NO.	DATE	REVISION	APPR.
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PROJECT DESIGNER	PROJECT COORDINATOR
CHIEF - DIVISION OF DESIGN	
DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION	

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
 OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494
 APPLICABLE CONTRACT NO'S.

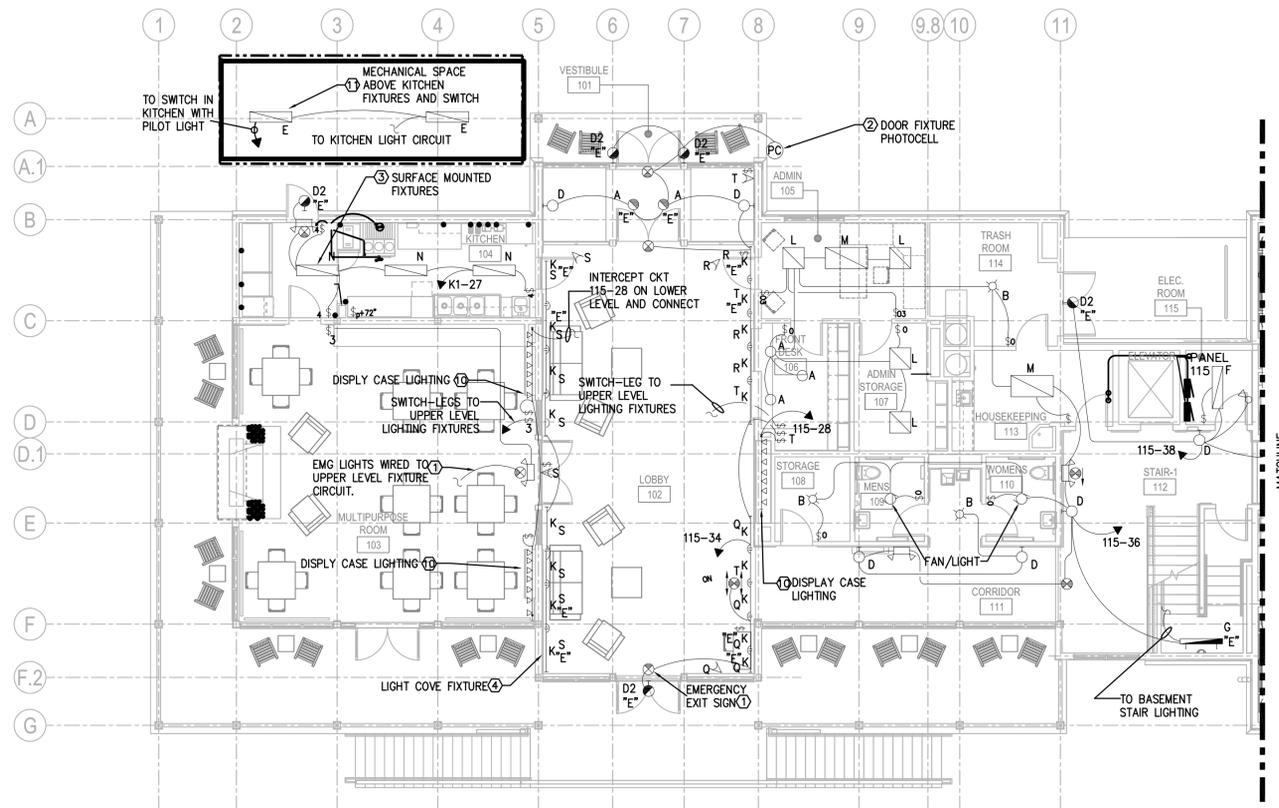
GENERAL:	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK
 HOWARD AND LIBERTY TOWNSHIP,
 CENTRE COUNTY, PENNSYLVANIA

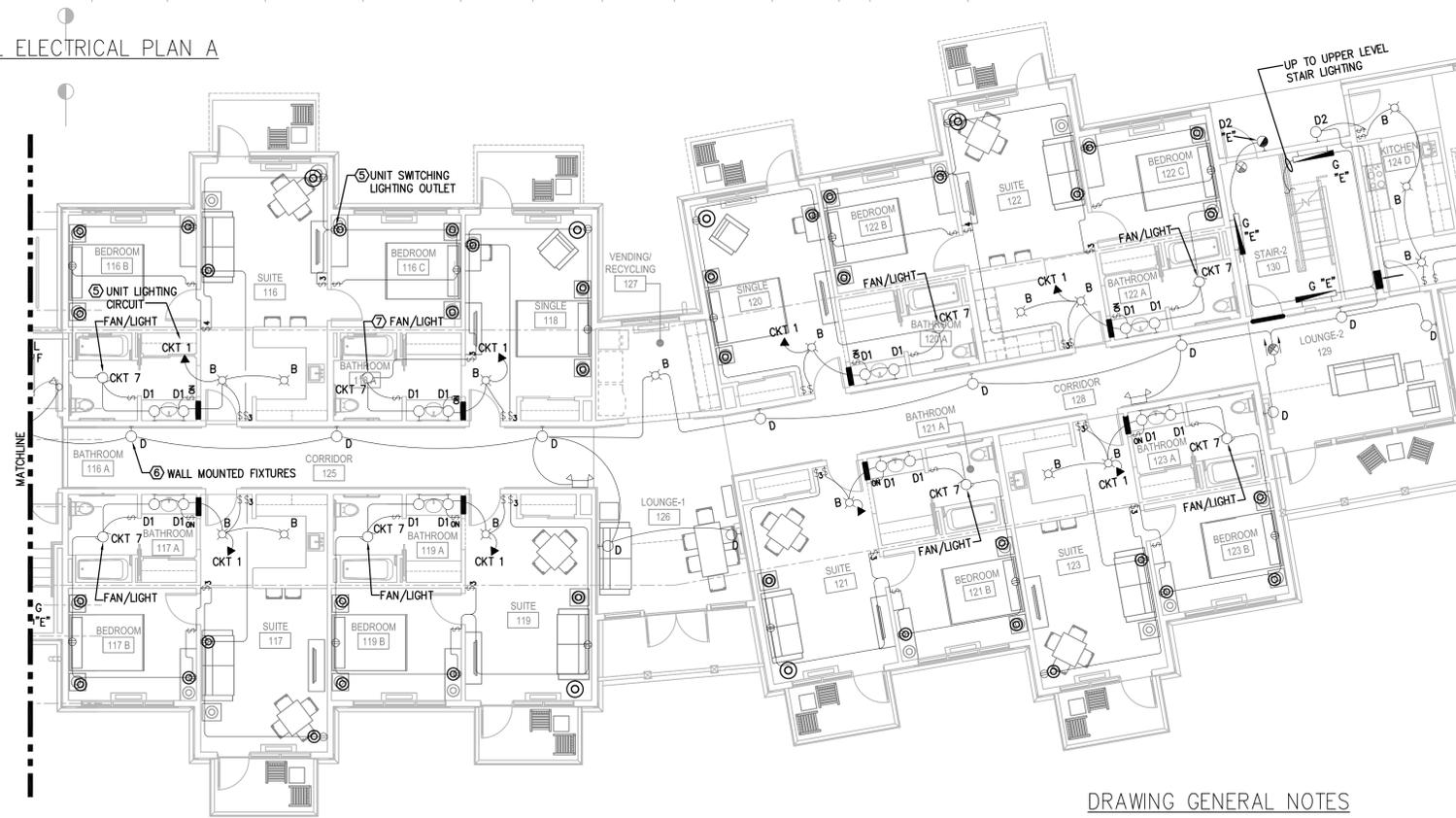
BASEMENT PLAN
 ELECTRICAL LIGHTING

DRAWN BY: JPB	DATE: 09-03-08	DRAWING NO: EL1.0
CHECKED BY: --	SCALE: AS NOTED	

1 BASEMENT LEVEL ELECTRICAL LIGHTING PLAN
 XX SCALE: 1/4" = 1'-0"



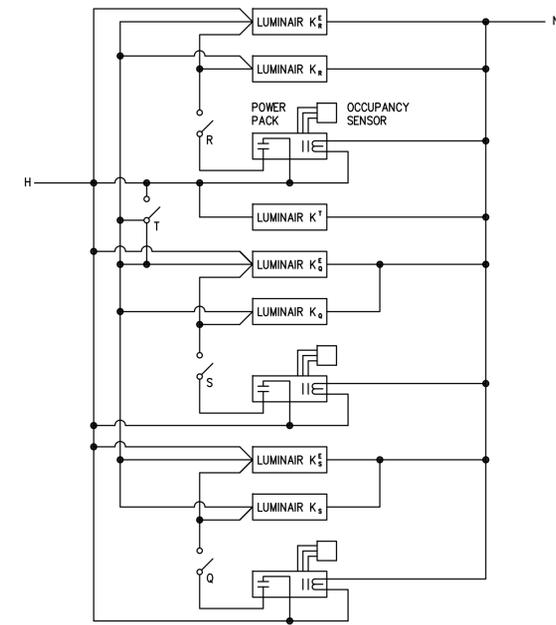
1 LOWER LEVEL ELECTRICAL PLAN A
E1.1 SCALE: 1/8" = 1'-0"



2 LOWER LEVEL ELECTRICAL PLAN B
E1.1 SCALE: 1/8" = 1'-0"

DRAWING GENERAL NOTES

1. SEE SINGLE LINE DIAGRAM ON DRAWING E3.0 AND PANEL SCHEDULES ON DRAWINGS ES7.0 AND ES7.1 FOR NEW PANEL SIZES AND CIRCUIT REQUIREMENTS.
2. ALL CONDUITS FOR LIGHTING CIRCUITS ARE TO RUN CONCEALED WITHIN THE BUILDING STRUCTURE
3. COORDINATE LIGHT FIXTURE LOCATIONS WITH DRAWING A6.1.



NOTES:

1. SWITCH Q, R, S ARE NORMALLY ON.
2. SWITCH T IS ON WHEN ALL LIGHTS ARE ON.
3. WHEN SWITCH T IS OFF, ALL LIGHTS ARE OFF AND CONTROLLED BY THE RESPECTIVE OCCUPANCY SENSOR.
4. IF IT IS DESIRED TO NOT HAVE OCCUPANCY SENSOR CONTROL LIGHTS, THEN TURN OFF SWITCH Q, R, OR S AS DESIRED.
5. LIGHT FIXTURE WITH CONTROL T ALWAYS ON.

LOBBY LIGHTS CONTROL

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LLI ENGINEERING PROJECT NUMBER 20070085
6000 BROOKTREE ROAD, SUITE 300 WEXFORD, PA 15084-8800

NO.	DATE	REVISION	APPR.
1	09/03/08	ISSUED FOR CONSTRUCTION	

PROJECT DESIGNER	PROJECT COORDINATOR
APPROVED	
CHIEF - DIVISION OF DESIGN	
APPROVED	
DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION	

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494

APPLICABLE CONTRACT NO'S.

GENERAL:	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK
HOWARD AND LIBERTY TOWNSHIP,
CENTRE COUNTY, PENNSYLVANIA

LOWER LEVEL FLOOR PLAN
ELECTRICAL LIGHTING

DRAWN BY: JPB	DATE: 09-03-08	DRAWING NO: EL1.1
CHECKED BY:	SCALE: AS NOTED	

DRAWING KEY NOTES

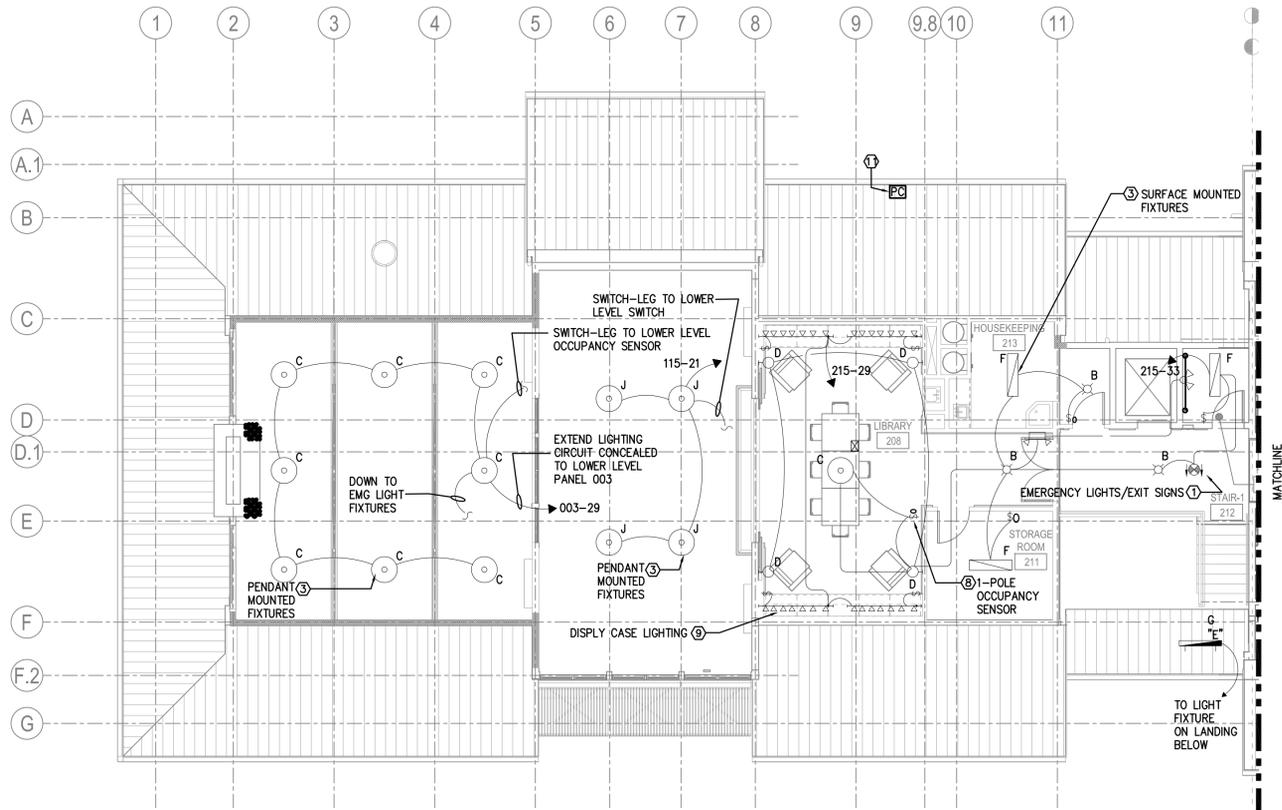
1. EMERGENCY / EXIT LIGHTS. WIRE TO NON-SWITCHED LEG OF SWITCHED CIRCUITS AS REQUIRED BY THE NEC.
2. CONFIGURE WIRING, TO THE UNDER CANOPY FIXTURE SO THAT THE PHOTO CELL ONLY ACTIVATES THE LAMP. POWER IS TO REMAIN CONNECTED TO THE THE BATTERY / POWER SENSING DEVICES IN THE FIXTURE. LOSS OF POWER SHALL LIGHT THE LAMP WHEN THE PHOTO CELL HAS CLOSED THE LAMP CIRCUIT.
3. PROVIDE ALL MATERIAL AND LABOR REQUIRED TO SURFACE MOUNT FIXTURES. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES. CONCEAL CONDUITS IN FIXTURES WITH HOLLOW SPACES ABOVE THEM.
4. PROVIDE ALL MATERIAL AND LABOR REQUIRED TO MOUNT FIXTURES WITHIN LIGHT COVES. SEE ARCHITECTURAL DRAWINGS FOR COVE CONSTRUCTION. PROVIDE 4", 3", AND 2" FIXTURE TO BEST FIT ACTUAL CONDITIONS. STAGGER FIXTURES 2" WHERE POSSIBLE. CONCEAL CONDUITS IN COVES. CONDUITS FROM THE FIXTURES TO THE PANELS ARE TO BE RUN CONCEALED IN HOLLOW SPACES.
5. ALL UNIT LIGHTING FIXTURES ARE TO BE CONTROLLED BY SWITCHES PER ASHREA 90.1. ALL LIGHTING OUTLETS ARE TO BE DEDICATED DUPLEX RECEPTACLES CIRCUITED TO THE THE UNIT'S LIGHTING CIRCUIT AND CONTROLLED BY THE INDICATED SWITCHING.
6. COORDINATE WALL MOUNTED FIXTURE TYPES WITH THE LIGHTING FIXTURES SCHEDULE ON DRAWING E0.0. COORDINATE MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
7. UNIT BATHROOM COMBINATION FAN / LIGHT FIXTURES ARE TO BE PROVIDED AND INSTALLED UNDER DIVISION 23 AND WIRED UNDER DIVISION 26. COORDINATE FINAL REQUIREMENTS WITH DIVISION 23 PRIOR TO ROUGH-IN.
8. SINGLE POLE OCCUPANCY SENSOR WIRED TO LIGHTING CIRCUIT FOR CONTROLLING THE INDICATED FIXTURES. PROVIDE DUAL TECHNOLOGY SENSORS WITH MANUAL OVERRIDE. SEE THE OCCUPANCY SENSOR TYPICAL WIRING DIAGRAM ON DRAWING E4.0 FOR ADDITIONAL INFORMATION.
9. REMOVED
10. DISPLAY CASE TRACK LIGHTING SYSTEM. SEE LIGHT FIXTURE SCHEDULE ON E0.0 FOR ADDITIONAL INFORMATION. COORDINATE FIXTURE INSTALLATION, WIRING AND SWITCH LOCATION WITH THE ARCHITECTURAL DRAWINGS AND THE CASEWORK SUPPLIER PRIOR TO ROUGH-IN.
11. SURFACE MOUNTED LIGHT FIXTURES AND SWITCH LOCATED IN MECHANICAL SPACE. COORDINATE LOCATION OF FIXTURES WITH DIVISION 23.
12. OUTLET POWER AND LIGHTING CIRCUIT IN UNIT 124 ARE TO BE PROTECTED WITH ARC-FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.

DRAWING GENERAL NOTES

1. SEE SINGLE LINE DIAGRAM ON DRAWING E3.0 AND PANEL SCHEDULES ON DRAWINGS ES7.0 AND ES7.1 FOR NEW PANEL SIZES AND CIRCUIT REQUIREMENTS.
2. ALL CONDUITS FOR LIGHTING CIRCUITS ARE TO RUN CONCEALED WITHIN THE BUILDING STRUCTURE.
3. COORDINATE FIXTURE LOCATIONS WITH ARCHITECTURAL DRAWING A6.2

DRAWING KEY NOTES

- 1 EMERGENCY / EXIT LIGHTS. WIRE TO NON-SWITCHED LEG OF SWITCHED CIRCUITS. WIRE TO NON SWITCHED LIGHTING CIRCUITS AS REQUIRED BY THE NEC.
- 2 SINGLE POLE OCCUPANCY SENSOR WIRED TO LIGHTING CIRCUIT FOR CONTROLLING THE INDICATED FIXTURES LOCATED IN THE RESTROOM. PROVIDE DUAL TECHNOLOGY SENSORS WITH MANUAL OVERRIDE. SEE THE OCCUPANCY SENSOR TYPICAL WIRING DIAGRAM ON DRAWING E4.0 FOR ADDITIONAL INFORMATION.
- 3 PROVIDE ALL MATERIAL AND LABOR REQUIRED TO SURFACE / PENDANT MOUNT FIXTURES. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES. CONCEAL CONDUITS IN FIXTURES WITH HOLLOW SPACES ABOVE THEM.
- 4 ALL UNIT LIGHTING CIRCUITS ARE TO BE EXTENDED FROM THE UNIT LOAD CENTER TO THE LIGHTING FIXTURES / OUTLETS WITHIN THE UNIT.
- 5 ALL LIGHTING FIXTURES ARE TO BE CONTROLLED BY SWITCHES PER ASHREA 90.1. ALL LIGHTING OUTLETS ARE TO DEDICATED DUPLEX RECEPTACLES CIRCUITED TO THE UNIT'S LIGHTING CIRCUIT AND CONTROLLED BY THE INDICATED SWITCHING.
- 6 COORDINATE WALL MOUNTED FIXTURE TYPES WITH THE LIGHTING FIXTURES SCHEDULE ON DRAWING E0.0. COORDINATE MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
- 7 UNIT BATHROOM COMBINATION FAN / LIGHT FIXTURES ARE TO BE PROVIDED AND INSTALLED UNDER DIVISION 23 AND WIRED UNDER DIVISION 26. COORDINATE FINAL REQUIREMENTS WITH DIVISION 23 PRIOR TO ROUGH-IN.
- 8 SINGLE POLE OCCUPANCY SENSOR WIRED TO LIGHTING CIRCUIT FOR CONTROLLING THE INDICATED FIXTURES. PROVIDE DUAL TECHNOLOGY SENSORS WITH MANUAL OVERRIDE. SEE THE OCCUPANCY SENSOR TYPICAL WIRING DIAGRAM ON DRAWING E4.0 FOR ADDITIONAL INFORMATION.
- 9 DISPLAY CASE TRACK LIGHTING SYSTEM. SEE LIGHT FIXTURE SCHEDULE ON E0.0 FOR ADDITIONAL INFORMATION. COORDINATE FIXTURE INSTALLATION, WIRING AND SWITCH LOCATION WITH THE ARCHITECTURAL DRAWINGS AND THE CASEWORK SUPPLIER PRIOR TO ROUGH-IN.
- 10 COORDINATE THE LIGHT FIXTURE AND LIGHT SWITCH LOCATION WITH THE ACCESS AND EQUIPMENT.
- 11 CONDUIT AND WIRING FOR PHOTOCELL TO BASEMENT LEVEL LIGHTING CONTROL. MOUNT PHOTOCELL HIGH ON WALL FACING NORTH.
- 12 LIGHTED AREA OF RESCUE ASSISTANCE SIGN



1 UPPER LEVEL ELECTRICAL PLAN A
SCALE: 1/8" = 1'-0"



2 UPPER LEVEL ELECTRICAL PLAN B
SCALE: 1/8" = 1'-0"

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LLI ENGINEERING PROJECT NUMBER 20070085
6000 BROOKTREE ROAD, SUITE 300 WEXFORD, PA 724 634-8800

NO.	DATE	REVISION	APPR.
1	09/03/08	ISSUED FOR CONSTRUCTION	

PROJECT DESIGNER	PROJECT COORDINATOR
APPROVED	
CHIEF - DIVISION OF DESIGN	
APPROVED	
DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION	

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
OFFICE OF PARKS AND FORESTRY

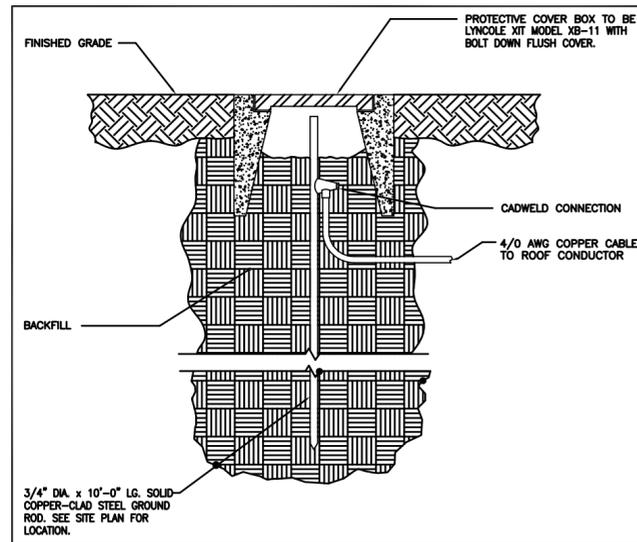
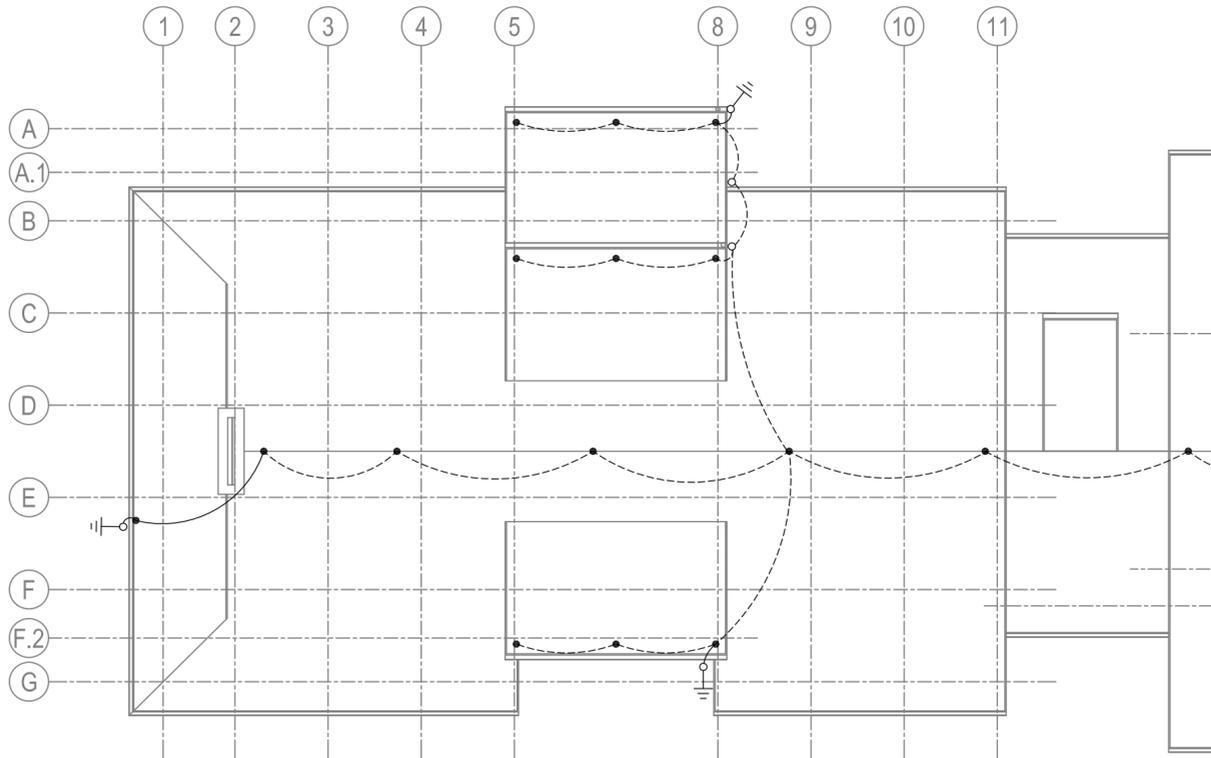
PROJECT NO: FDC-133-4494
APPLICABLE CONTRACT NO'S.

GENERAL:	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK
HOWARD AND LIBERTY TOWNSHIP,
CENTRE COUNTY, PENNSYLVANIA

UPPER LEVEL PLAN
ELECTRICAL LIGHTING

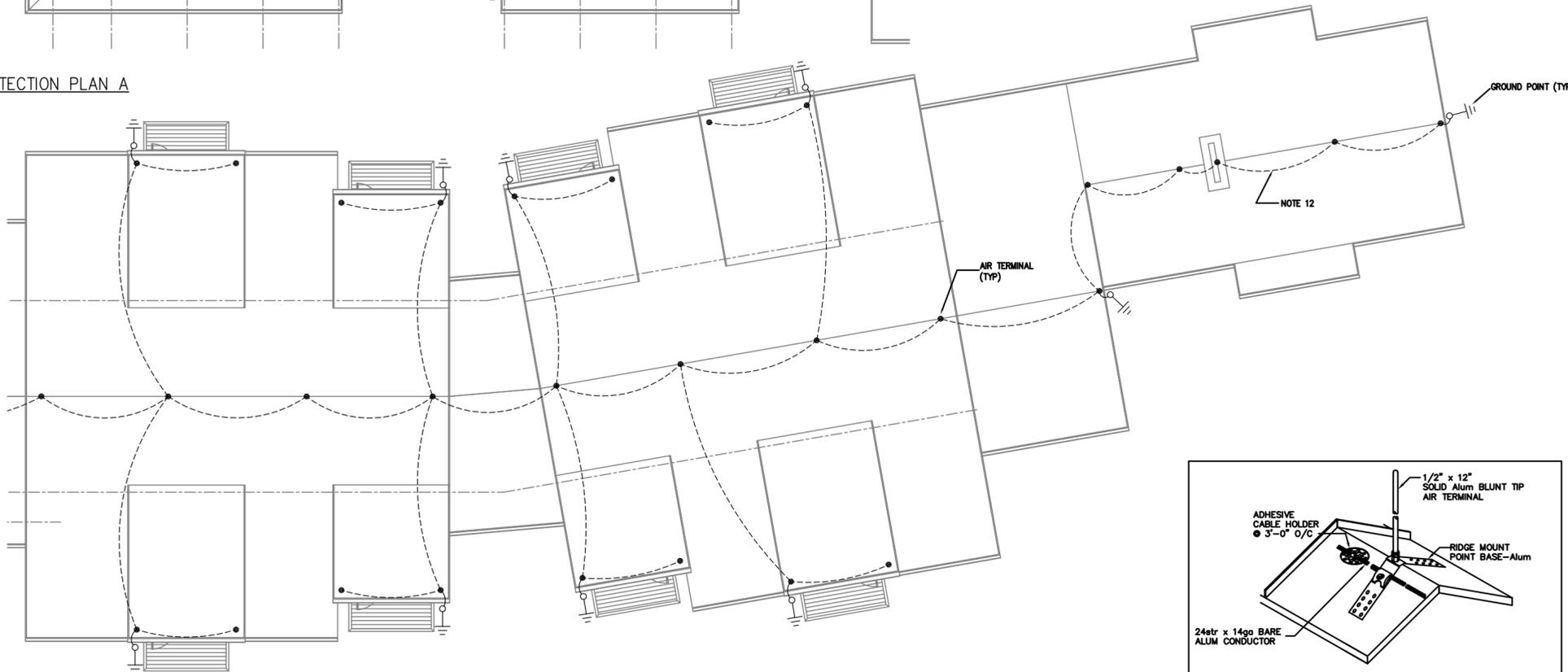
DRAWN BY: JPB	DATE: 09-03-08	DRAWING NO: EL1.2
CHECKED BY: --	SCALE: AS NOTED	



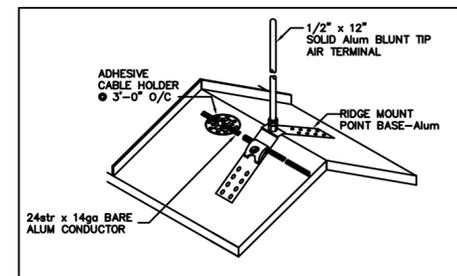
LIGHTNING PROTECTION
GROUND POINT DETAIL
SCALE: NONE

- LIGHTNING PROTECTION GENERAL NOTES:**
1. LOCATE AIR TERMINALS AS SHOWN. TAKE CARE TO INSURE THAT ALL POINTS ARE WITHIN 2'-0" OF OUTSIDE BUILDING EDGE, OUTSIDE CORNERS, AND RIDGE ENDS, AND THAT MAXIMUM SPACING DOES NOT EXCEED 20'-0", AND THAT MINIMUM PROJECTION ABOVE AN OBJECT PROTECTED IS 10". POINTS PROJECTING 24" MAY BE SPACED AT 25'-0" MAX.
 2. MAINTAIN HORIZONTAL OR DOWNWARD COURSE OF MAIN CONDUCTOR AND INSURE THAT ALL BENDS HAVE AT LEAST AN 8" RADIUS AND DO NOT EXCEED 90°.
 3. ATTACH ALL EXPOSED ROOF, DOWNLEAD AND BONDING CABLES AT 3'-0" ON CENTER MAXIMUM. VERIFY COMPATIBILITY OF ADHESIVE ON ROOF APPLICATIONS PRIOR TO INSTALLATION.
 4. GROUNDING ELECTRODES SHALL BE INSTALLED AS SHOWN BUT IN NO INSTANCE SHALL THEY BE LESS THAN 2'-0" BELOW GRADE AND 2'-0" FROM THE FOUNDATION WALL. DRIVEN RODS SHALL PENETRATE THE EARTH AT LEAST 10'-0".
 5. INTERCONNECT LIGHTNING PROTECTION GROUND TO ELECTRIC, TELEPHONE, AND OTHER BUILDING GROUND SYSTEMS AS REQUIRED BY CODES.
 6. THE SYSTEM SHOWN IS REPRESENTATIVE OF THE WORK AND SHALL BE ADJUSTED TO CODE COMPLIANCE WITH THE NFPA 780 AND U.L. MASTER LABEL SYSTEM CERTIFICATION.
 7. ALL MATERIALS SHALL BE UNDERWRITER'S LABORATORIES APPROVED WITH U.L. LABELS ON CONDUCTORS AT 10'-0" INTERVALS AND ON ALL AIR TERMINALS. ALL LABOR SHALL BE PER UNDERWRITER'S LABORATORIES APPROVED PRACTICES.
 8. MATERIALS SHALL BE SIZED IN ACCORDANCE WITH NFPA 780 TABLE 3-4 'CLASS 1 MATERIALS'. ALL MATERIALS SHALL BE BY THOMPSON, HAGAR, ROBBINS LIGHTNING PROTECTION CO., OR EQUAL.
 9. REFERENCE THE HVAC, PLUMBING AND ARCHITECTURAL PLANS FOR OTHER ROOF MOUNTED ITEMS THAT REQUIRE BONDING TO THE LIGHTNING PROTECTION SYSTEM.
 10. ALL WIRE TO WIRE CONNECTIONS BELOW GRADE SHALL BE MADE BY THE EXOTHERMIC WELD PROCESS (CADWELD).
 11. ALL COPPER TO ALUMINUM CONNECTIONS SHALL BE MADE BY USING A SPLICER CLAMP, THOMPSON 229S OR EQUAL. 18" (MIN.) ABOVE GRADE.
 12. ALL MAIN ROOF CONDUCTORS SHALL BE CLASS 1 ALUMINUM OF 28 STRANDS, 14-GAUGE MINIMUM, THOMPSON CATALOG NO A28 OR EQUAL BY APPROVED MANUFACTURER. COPPER CONDUCTORS TO GROUND RODS SHALL BE 4/0, 19-GAUGE COPPER, THOMPSON CATALOG NO 507 OR EQUAL BY APPROVED MANUFACTURER.

1 LIGHTNING PROTECTION PLAN A
E1.2 SCALE: 1/8" = 1'-0"



2 LIGHTNING PROTECTION PLAN B
E1.2 SCALE: 1/8" = 1'-0"



LIGHTNING PROTECTION
AIR TERMINAL DETAIL
SCALE: NONE

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LLI ENGINEERING PROJECT NUMBER
8000 BROOKVIEW ROAD, SUITE 200 HENRIETTA, PA 15882 724-631-8800 20070085

1000110	RECORD DRAWING		
1	ISSUED FOR CONSTRUCTION		
NO.	DATE	REVISION	APPR.
SUBMITTED			
PROJECT DESIGNER		PROJECT COORDINATOR	
APPROVED			
CHIEF - DIVISION OF DESIGN			
APPROVED			
DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION			

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494

APPLICABLE CONTRACT NO'S.	
GENERAL:	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK
HOWARD AND LIBERTY TOWNSHIP,
CENTRE COUNTY, PENNSYLVANIA

LIGHTNING PROTECTION
ELECTRICAL

DRAWN BY: JPB	DATE: 09-03-08	DRAWING NO: ELP1.0
CHECKED BY: ---	SCALE: AS NOTED	

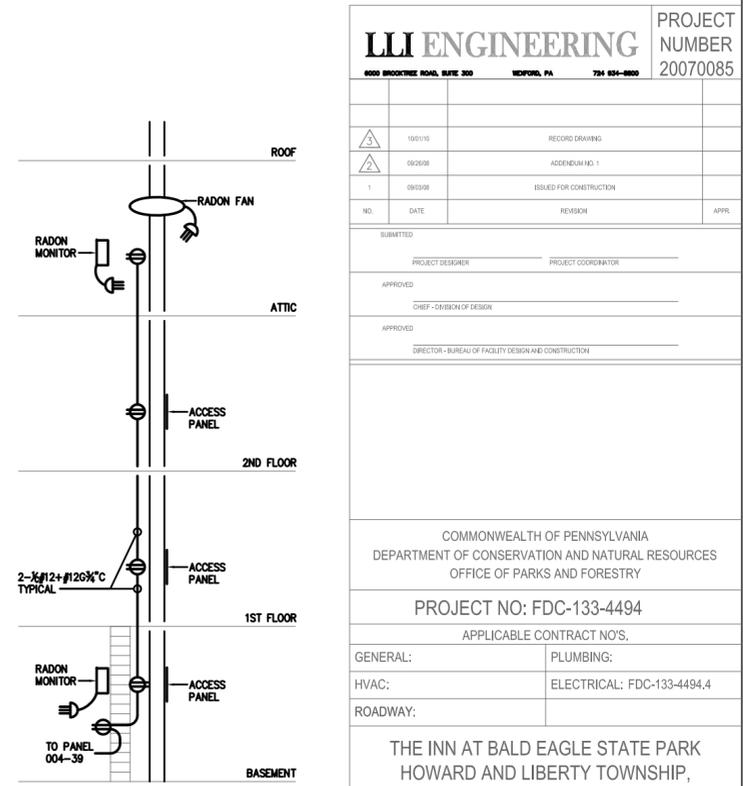
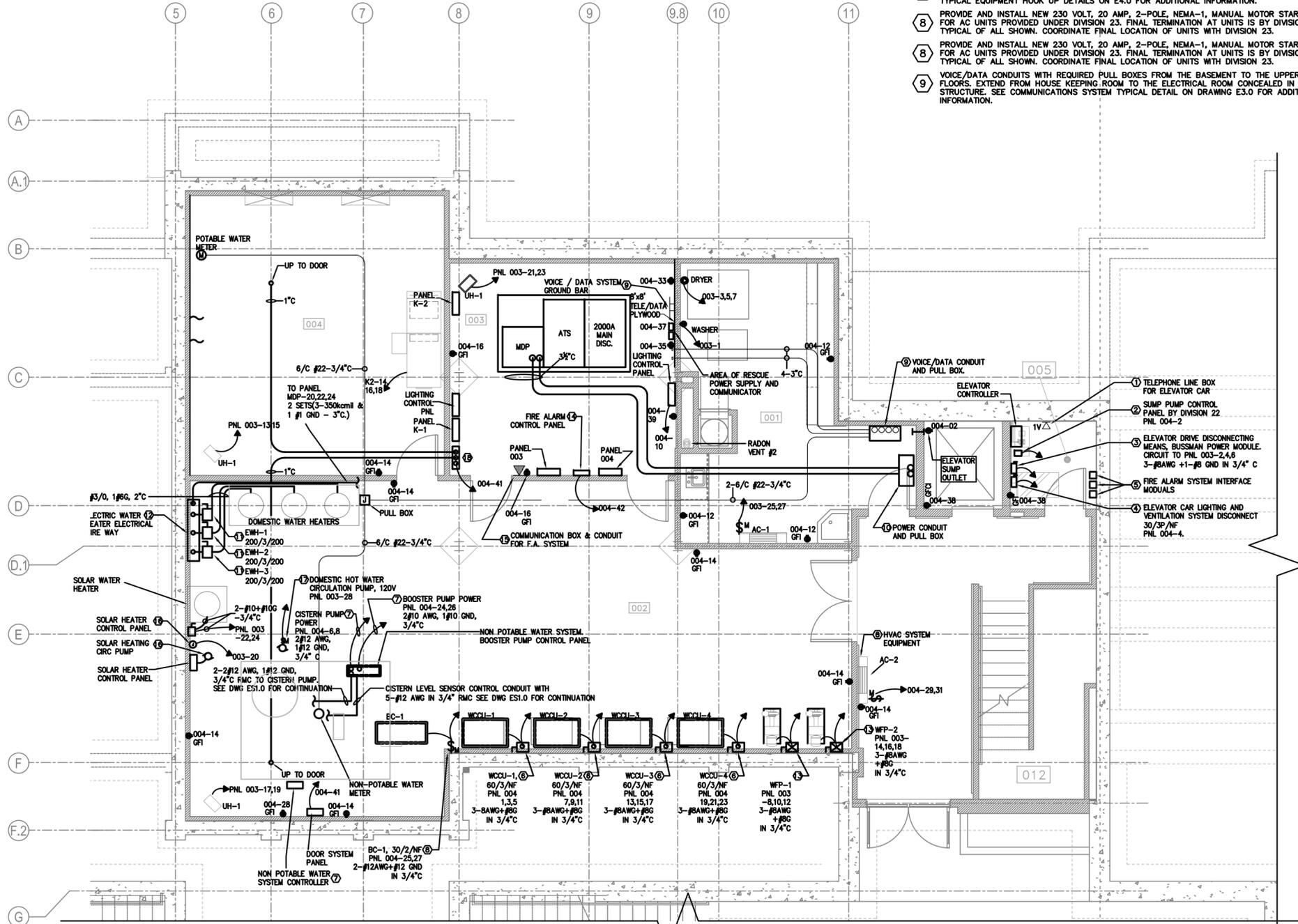


DRAWING GENERAL NOTES

- SEE SINGLE LINE DIAGRAM ON DRAWING E3.0 AND PANEL SCHEDULES ON DRAWINGS E7.0 AND E7.1 FOR NEW PANEL SIZES AND CIRCUIT REQUIREMENTS.
- ALL CONDUITS FOR POWER CIRCUITS ARE TO RUN CONCEALED WITHIN THE BUILDING STRUCTURE.

DRAWING KEY NOTES

- ELEVATOR CAR VOICE LINE OUTLET BOX. SEE EMPTY CONDUIT DETAIL ON DRAWING E5.0 FOR ADDITIONAL INFORMATION.
- ELEVATOR PIT SUMP PUMP CONTROLLER PROVIDED AND INSTALLED UNDER DIVISION 22. WIRING AND TERMINATIONS BY DIVISION 26. COORDINATE LOCATION AND REQUIREMENTS WITH DIVISION 22 PRIOR TO ROUGH-IN.
- ELEVATOR DRIVE UNIT DISCONNECTING MEANS. PROVIDE AND INSTALL A BUSSMANN POWER MODULE FUSED ELEVATOR DISCONNECT WITH SHUNT TRIP CAPABILITIES AND FIRE ALARM SHUNT TRIP RELAY VOLTAGE MONITOR. SHUNT TRIP CAPABILITIES ARE FOR FUTURE USE. COORDINATE ACTUAL SIZE AND WIRING ARRANGEMENTS WITH SELECTED ELEVATOR VENDOR PRIOR TO ROUGH-IN. SEE THE SINGLE LINE DIAGRAM ON E3.0 FOR ADDITIONAL INFORMATION.
- ELEVATOR LIGHTING AND VENTILATION CIRCUIT FUSED DISCONNECT SWITCHES CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
- FIRE ALARM SYSTEM ZONE INTERFACE MODULES FOR ELEVATOR CONTROL. SEE FIRE ALARM RISER DIAGRAM ON DRAWING FA1.0 FOR ADDITIONAL INFORMATION. PROVIDE ALL MATERIAL AND LABOR REQUIRED TO MEET THE LOCAL REQUIREMENTS.
- HVAC SYSTEM WATER COOLED CONDENSING UNITS PROVIDED AND INSTALLED UNDER DIVISION 23. COORDINATE DISCONNECT SWITCH LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN.
- NON-POTABLE WATER SYSTEM CONTROL PANEL. CONTROL PANEL IS PROVIDED AND INSTALLED UNDER DIVISION 22. COORDINATE LOCATION WITH DIVISION 22 PRIOR TO ROUGH-IN. SEE TYPICAL EQUIPMENT HOOK UP DETAILS ON E4.0 FOR ADDITIONAL INFORMATION.
- PROVIDE AND INSTALL NEW 230 VOLT, 20 AMP, 2-POLE, NEMA-1, MANUAL MOTOR STARTERS FOR AC UNITS PROVIDED UNDER DIVISION 23. FINAL TERMINATION AT UNITS IS BY DIVISION 26 TYPICAL OF ALL SHOWN. COORDINATE FINAL LOCATION OF UNITS WITH DIVISION 23.
- PROVIDE AND INSTALL NEW 230 VOLT, 20 AMP, 2-POLE, NEMA-1, MANUAL MOTOR STARTERS FOR AC UNITS PROVIDED UNDER DIVISION 23. FINAL TERMINATION AT UNITS IS BY DIVISION 26 TYPICAL OF ALL SHOWN. COORDINATE FINAL LOCATION OF UNITS WITH DIVISION 23.
- VOICE/DATA CONDUITS WITH REQUIRED PULL BOXES FROM THE BASEMENT TO THE UPPER FLOORS. EXTEND FROM HOUSE KEEPING ROOM TO THE ELECTRICAL ROOM CONCEALED IN BUILDING STRUCTURE. SEE COMMUNICATIONS SYSTEM TYPICAL DETAIL ON DRAWING E3.0 FOR ADDITIONAL INFORMATION.
- POWER CONDUITS WITH REQUIRED PULL BOXES FROM THE BASEMENT TO THE UPPER FLOORS. EXTEND FROM PANEL "MDP" TO THE UPPER ELECTRICAL ROOMS CONCEALED IN BUILDING STRUCTURE. SEE THE SINGLE LINE DIAGRAM ON E3.0 FOR ADDITIONAL INFORMATION.
- DOMESTIC WATER HEATER DISCONNECTS, SIZED AS INDICATED, AND CIRCUITS. TAP ON TO THE WIREWAY CONDUCTORS AS INDICATED ON THE SINGLE LINE DIAGRAM ON DRAWING E3.0. EXTEND CIRCUITS TO WATER HEATERS PROVIDED AND INSTALLED UNDER DIVISION 22 AND TERMINATE. COORDINATE LOCATION AND REQUIREMENTS WITH DIVISION 22 PRIOR TO ROUGH-IN. SEE TYPICAL EQUIPMENT HOOKUP DETAIL ON E4.0 FOR ADDITIONAL INFORMATION.
- DOMESTIC WATER HEATER WIREWAY AND FEEDER. PROVIDE NEC SIZED SCREW COVER WIREWAY WITH ILSCO TAP BLOCKS AS AS INDICATED ON THE SINGLE LINE DIAGRAM ON DRAWING E3.0 AND INSTALL WHERE NEC CLEAR AREA CAN BE MAINTAINED. EXTEND FEEDER TO PANEL "MDP" AND TERMINATE.
- WELL-FIELD COMBINATION STARTER IS FURNISHED WITH PUMP BY .2 CONTRACTOR AND INSTALLED BY .4 CONTRACTOR. EXTEND CIRCUITS TO PANEL. COORDINATE DISCONNECT LOCATION AND REQUIREMENTS WITH DIVISION 22 PRIOR TO ROUGH-IN. SEE TYPICAL EQUIPMENT HOOKUP DETAIL ON E4.0 FOR ADDITIONAL INFORMATION.
- FIRE ALARM SYSTEM CONTROL PANEL AND ALARM COMMUNICATIONS DEVICE. COORDINATE REPORTING REQUIREMENTS WITH THE LOCAL AUTHORITIES AND THE EQUIPMENT VENDOR PRIOR TO ROUGH-IN. PROVIDE ALL MATERIAL AND LABOR REQUIRED TO MEET THE LOCAL REQUIREMENTS.
- FIRE ALARM SYSTEM ALARM NOTIFICATION CABLING. COORDINATE REPORTING REQUIREMENTS WITH THE LOCAL AUTHORITIES AND THE EQUIPMENT VENDOR PRIOR TO ROUGH-IN. PROVIDE ALL MATERIAL AND LABOR REQUIRED TO MEET THE LOCAL REQUIREMENTS.
- SOLAR WATER HEATER SYSTEM CONTROL PANEL. CONTROL PANEL IS PROVIDED AND INSTALLED UNDER DIVISION 22. COORDINATE LOCATION WITH DIVISION 22 PRIOR TO ROUGH-IN. SEE TYPICAL EQUIPMENT HOOK UP DETAILS ON E4.0 FOR ADDITIONAL INFORMATION.
- HOT WATER HEATER SYSTEM CIRCULATION PUMP PROVIDED AND INSTALLED UNDER DIVISION 22. COORDINATE LOCATION WITH DIVISION 22 PRIOR TO ROUGH-IN. SEE TYPICAL EQUIPMENT HOOK UP DETAILS ON E4.0 FOR ADDITIONAL INFORMATION.
- DOOR ACCESS PANEL FOR DOORS 101 & 102E. FURNISHED BY .1 CONTRACTOR, INSTALLED BY .4 CONTRACTOR.



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LLI ENGINEERING
 8000 BROOKSIDE ROAD, SUITE 200 NEWPORT, PA 17040-0800
 PROJECT NUMBER: 20070085

NO.	DATE	REVISION	APPR.
1	09/03/08	ISSUED FOR CONSTRUCTION	
2	09/03/08	ADDENDUM NO. 1	
3	09/03/08	REVISION	

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
 OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494
 APPLICABLE CONTRACT NO'S.

GENERAL:	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK
 HOWARD AND LIBERTY TOWNSHIP,
 CENTRE COUNTY, PENNSYLVANIA

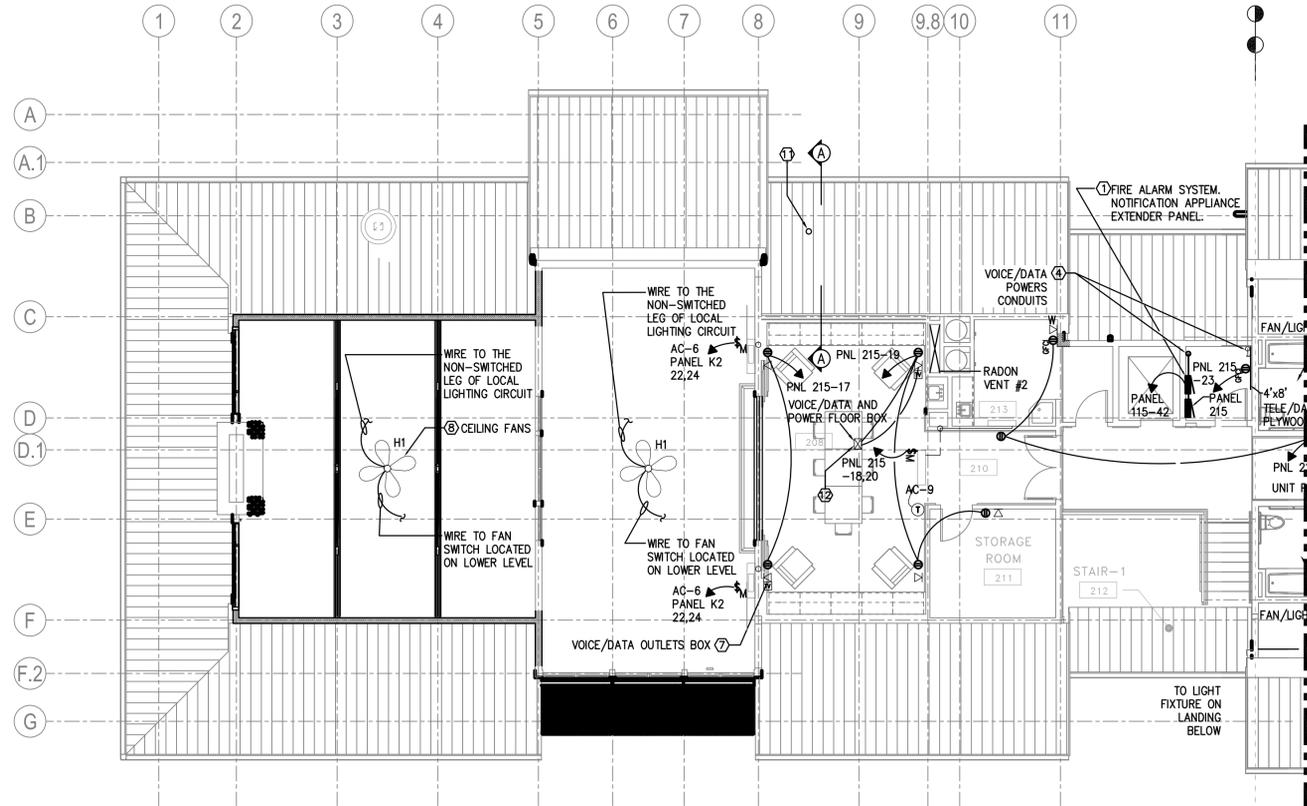
BASEMENT PLAN
 ELECTRICAL POWER

DRAWN BY: STE DATE: 09-03-08 DRAWING NO: EP1.0
 CHECKED BY: AS NOTED

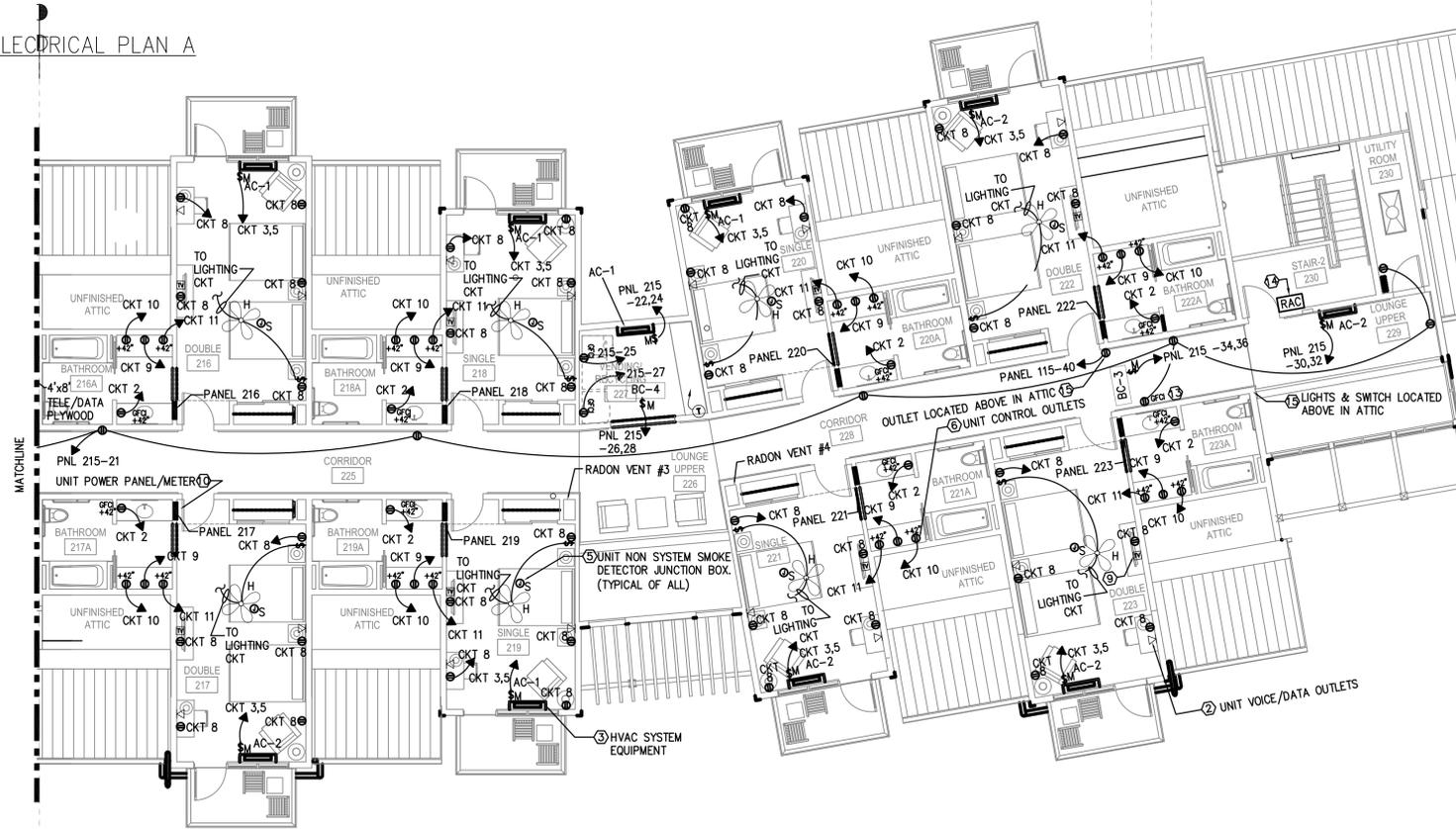
1 BASEMENT LEVEL ELECTRICAL POWER PLAN
 XX SCALE: 1/4" = 1'-0"



NORTH



1 UPPER LEVEL ELECTRICAL PLAN A
E1.2 SCALE: 1/8" = 1'-0"



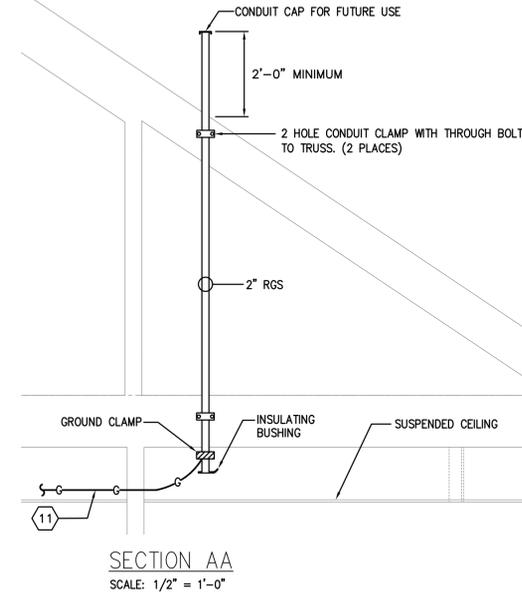
2 UPPER LEVEL ELECTRICAL PLAN B
E1.2 SCALE: 1/8" = 1'-0"

DRAWING GENERAL NOTES

- SEE SINGLE LINE DIAGRAM ON DRAWING E3.0 AND PANEL SCHEDULES ON DRAWINGS ES7.0 AND ES7.1 FOR NEW PANEL SIZES AND CIRCUIT REQUIREMENTS.
- ALL CONDUITS FOR POWER CIRCUITS ARE TO RUN CONCEALED WITHIN THE BUILDING STRUCTURE.

DRAWING KEY NOTES

- FIRE ALARM SYSTEM NOTIFICATION APPLIANCE EXPANDER PANEL LOCATION. POWER DEVICE AS INDICATED. SEE FIRE ALARM RISER DIAGRAM ON DRAWING FA3.0 FOR ADDITIONAL INFORMATION.
- UNIT VOICE AND DATA OUTLET BOXES AND CONDUIT SYSTEM. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. SEE COMMUNICATIONS SYSTEM TYPICAL DETAIL ON DRAWING E3.0 FOR ADDITIONAL INFORMATION. PROVIDE WITH PULL STRINGS.
- PROVIDE AND INSTALL 230 VOLT, 20 AMP, 2-POLE, NEMA-1, MANUAL MOTOR STARTERS FOR AC UNITS PROVIDED UNDER DIVISION 23. FINAL TERMINATION AT UNITS IS BY DIVISION 26 TYPICAL OF ALL SHOWN. COORDINATE FINAL LOCATION OF UNITS WITH DIVISION 23.
- VOICE/DATA AND POWER CONDUITS FROM THE BASEMENT. EXTEND FROM HOUSE KEEPING ROOM TO THE ELECTRICAL ROOM CONCEALED IN BUILDING STRUCTURE. SEE COMMUNICATIONS SYSTEM TYPICAL DETAIL ON DRAWING E3.0 AND SINGLE LINE DIAGRAM ON E3.0 FOR ADDITIONAL INFORMATION.
- NON-FIRE ALARM SYSTEM, SINGLE OR MULTI-STATION UNIT SMOKE DETECTORS. PROVIDE 120 VOLT POWER. PROVIDE TANDEM WIRING BETWEEN MULTIPLE DETECTORS IN THE SAME UNIT. SEE THE NON-SYSTEM SMOKE DETECTOR WIRING DIAGRAM ON DRAWING FA3.0 FOR ADDITIONAL INFORMATION.
- POWER OUTLETS ABOVE COUNTERS. MOUNT AT 42" AFF. SEE PANEL SCHEDULES ON DRAWING E7.0 AND E7.1 FOR ADDITIONAL INFORMATION.
- VOICE AND DATA OUTLET BOXES. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. SEE COMMUNICATIONS SYSTEM TYPICAL DETAIL ON DRAWING E3.0 FOR ADDITIONAL INFORMATION.
- CEILING FANS WIRED TO UNIT OR LOCAL LIGHTING CIRCUIT. SWITCH AS INDICATED. INSTALL ON PROPERLY SUPPORTED FAN RATED BACKBOX.
- TV OUTLET BOX. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. FURNISH AND INSTALL COAX CABLE RG 59/U FROM BACK BOX TO ROOM 003 IN BASEMENT. LEAVE 12" IN BACK BOX & 20" IN ROOM 003.
- RECESSED, 240/120VAC, SINGLE PHASE, THREE WIRE, 100 AMP UNIT LOAD CENTER WITH PLUG IN CIRCUIT BREAKERS. SEE SINGLE LINE DIAGRAM ON DRAWING E3.0. LOCATE RECESSED MOUNTED SUB METER NEXT TO PANEL. SEE SINGLE LINE DIAGRAM AND ENERGY MONITORING SYSTEM TYPICAL WIRING DIAGRAM FOR ADDITIONAL INFORMATION.
- INSTALL A 2" RGS CONDUIT FROM ABOVE CEILING IN ADMIN AREA TO 2' ABOVE ROOF FOR RADIO ANTENNA. SEE SECTION AA THIS DWG. GROUND 2" CONDUIT WITH #6 GROUND WIRE AND EXTEND #6 GROUND WIRE TO BASEMENT GROUND BAR.
- COMBINATION VOICE/DATA AND POWER FLOOR BOX LOCATION. COORDINATE LOCATION WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN. PROVIDE AND INSTALL A TWO-GANG, FULLY ADJUSTABLE, CAST-IRON FLOOR BOX WITH SEPARATOR. PROVIDE WITH TWO-GANG BRASS FLANGE TO MATCH FLOORING CONDITIONS, WITH ONE BRASS DUPLEX, FLIP LID COVER PLATE AND ONE COMMUNICATIONS COVER PLATE WITH FLIP LID. WIRE MOLD OMNIBOX SERIES OR EQUIVALENT.
- MECHANICAL SPACE RECEPTACLE LOCATION TO BE COORDINATED WITH THE LOCATION OF MECHANICAL EQUIPMENT.
- AREA OF RESCUE ASSISTANCE CALL STATION MOUNTED WITH TOP OF MOUNTING PLATE AT 42" AFF. SEE THE AREA OF RESCUE TYPICAL DIAGRAM ON DRAWING E0.0 FOR ADDITIONAL INFORMATION.
- RECEPTACLE LOCATED ABOVE IN ATTIC SPACE FOR MECHANICAL EQUIPMENT. COORDINATE FINAL RECEPTACLE LOCATION WITH MECHANICAL EQUIPMENT.



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LLI ENGINEERING PROJECT NUMBER
20070085

NO.	DATE	REVISION	APPR.
1	09/03/08	ISSUED FOR CONSTRUCTION	

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
OFFICE OF PARKS AND FORESTRY

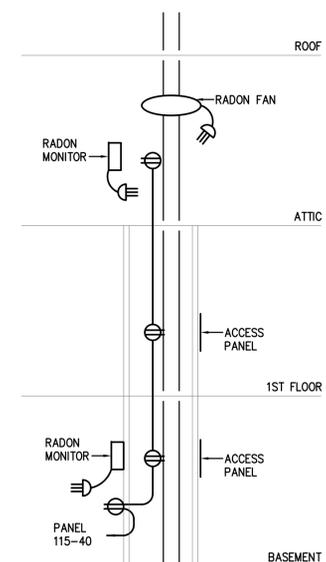
PROJECT NO: FDC-133-4494
APPLICABLE CONTRACT NO'S.

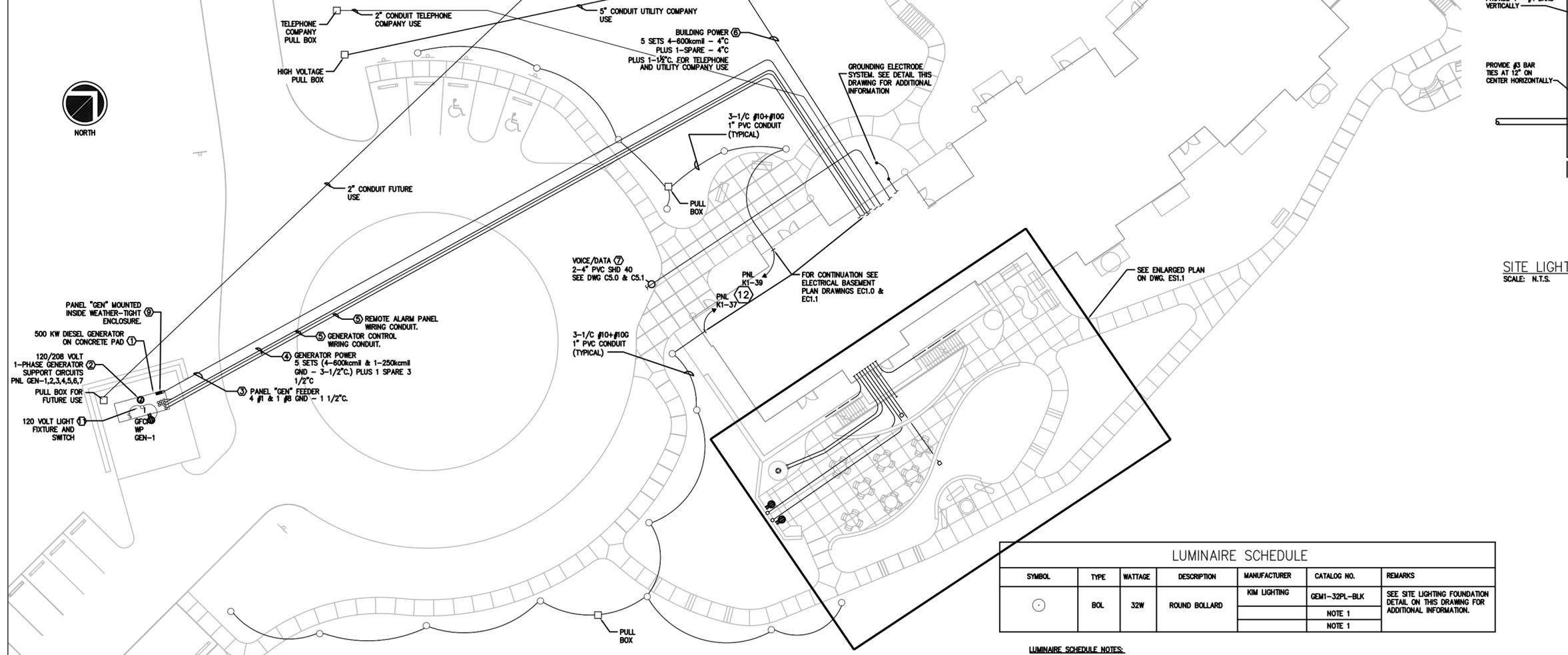
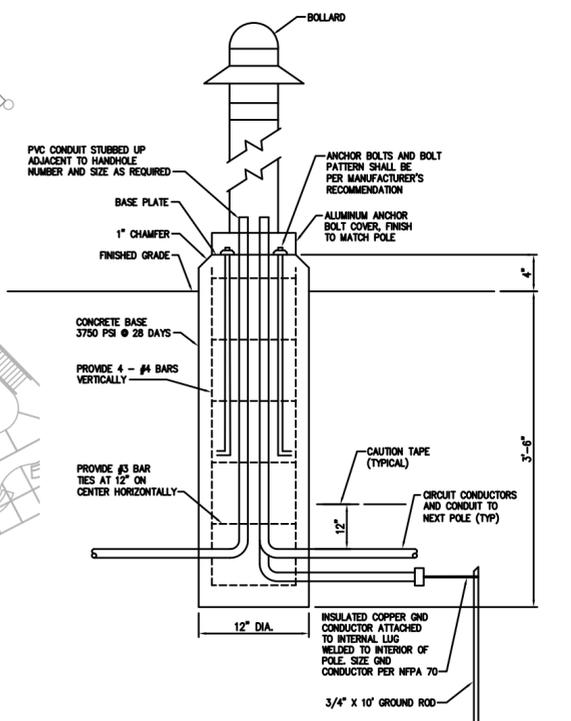
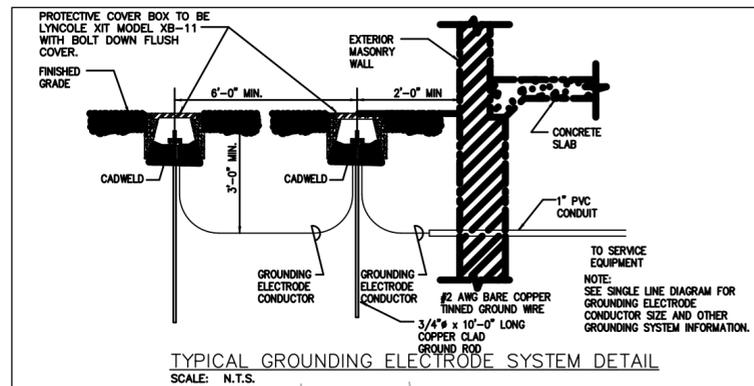
GENERAL:	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK
HOWARD AND LIBERTY TOWNSHIP,
CENTRE COUNTY, PENNSYLVANIA

UPPER LEVEL FLOOR PLAN
ELECTRICAL POWER

DRAWN BY: JPB	DATE: 09-03-08	DRAWING NO.:
CHECKED BY:	SCALE: AS NOTED	EP1.2





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SITE LIGHTING
SCALE: N.T.S.

LLI ENGINEERING
8000 BROOKVIEW ROAD, SUITE 200, WILKES-BARE, PA 18251-1000
717-855-0800

PROJECT NUMBER: 20070085

NO.	DATE	REVISION	APPR.
1	09/03/08	ISSUED FOR CONSTRUCTION	

SYMBOL	TYPE	WATTAGE	DESCRIPTION	MANUFACTURER	CATALOG NO.	REMARKS
⊙	BOL	32W	ROUND BOLLARD	KIM LIGHTING	GEM1-32PL-BLK	SEE SITE LIGHTING FOUNDATION DETAIL ON THIS DRAWING FOR ADDITIONAL INFORMATION.
					NOTE 1	
					NOTE 1	

LUMINAIRE SCHEDULE NOTES:
1. LUMINAIRE MANUFACTURERS AND MODEL NUMBERS INDICATED ABOVE ARE FOR A DESIGN STANDARD. ADDITIONAL ACCEPTABLE MANUFACTURERS ARE LISTED. THE MODEL NUMBERS FOR THESE OTHER MANUFACTURERS ARE NOT LISTED AND MUST BE CONFIRMED BY THE CONTRACTOR WITH THAT MANUFACTURE TO ENSURE COMPATIBILITY WITH THE LISTED MODEL NUMBER.

SITE LIGHTING/EMBEDDED CONDUIT PLAN
SCALE: 1/16" = 1'-0"

GENERAL NOTES

- CONDUIT RUNS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. CONDUITS SHALL BE RUN THROUGH UNPAVED AREAS WHEREVER POSSIBLE.
- ALL CONDUIT SHALL BE RUN 24" BELOW FINISHED GRADE (MINIMUM). WITH CAUTION TAPE 12" ABOVE CONDUIT.
- ALL CONDUIT RUNS SHALL BE SCHEDULE 40 PVC, SIZE AS INDICATED ON DRAWINGS, TRANSITIONED TO GALVANIZED RIGID STEEL CONDUIT PRIOR TO ENTRANCE TO THE BUILDING. REFER TO SPECIFICATIONS FOR CONDUIT REQUIREMENTS UPON ENTRANCE OF BUILDING.
- EXTERIOR LIGHTING CIRCUITS ARE TO BE CONTROLLED THROUGH THE LIGHTING CONTROL PANEL AND ACTIVATED/DEACTIVATED VIA THE INDICATED PHOTO CELL MOUNTED AT THE ROOF LINE AIMING NORTH. SEE THE LIGHTING CONTROL PANEL DIAGRAM ON E4.0 FOR ADDITIONAL INFORMATION.
- COORDINATE WORK WITH DRAWING C5.0 WHICH CONTAINS ADDITIONAL SITE UTILITY INFORMATION.

KEY NOTES

- NEW 500 KW 208/120 VOLT 3 PHASE, 4 WIRE, DIESEL GENERATOR WITH DOUBLE WALL SECONDARY CONTAINMENT SUBBASE TANK, WEATHER HOUSING, 24VOLT OPERATION, BATTERY HEATER, BLOCK HEATER, OUTPUT CIRCUIT BREAKER, AND REMOTE ANNUNCIATION MOUNTED NEAR ATS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SET GENERATOR ON CONCRETE PAD AS SHOWN ON THE SITE DRAWING. EXTEND CONDUITS UNDERGROUND TO ATS AND PANEL LOCATIONS. PROVIDE ANY CONCRETE CUTTING AND PATCHING THAT MAY BE REQUIRED. SEE SINGLE LINE DIAGRAM ON DRAWING E3.0 FOR ADDITIONAL INFORMATION.
- PROVIDE 120 VOLT CIRCUITS FOR GENERATOR SYSTEM SUPPORT. 1 FOR BATTERY CHARGING, 1 FOR BLOCK HEATER, 1 FOR BATTERY HEATER AND ONE FOR THE ENCLOSURE HEATER. PROVIDE JUNCTION BOXES AND / OR OUTLETS AS REQUIRED BY THE MANUFACTURE. COORDINATE FINAL REQUIREMENTS WITH THE SELECTED MANUFACTURE.
- PROVIDE CONDUIT AND WIRING AS INDICATED FOR THE FEEDER CIRCUIT FOR PANEL "GEN" INSTALLED INSIDE THE GENERATOR ENCLOSURE. SEE RISER DIAGRAM ON DRAWING E3.0 AND THE SITE PLANS FOR ADDITIONAL INFORMATION.
- PROVIDE CONDUIT AND WIRING AS INDICATED FOR THE GENERATOR POWER SYSTEM. SEE RISER DIAGRAM ON DRAWING E3.0 AND THE CONDUIT / TRENCHING DETAILS ON SITE PLAN C5.0 FOR ADDITIONAL INFORMATION.
- PROVIDE CONDUIT AND WIRING AS REQUIRED BY THE GENERATOR MANUFACTURE FOR THE GENERATOR REMOTE ALARM PANEL AND CONTROL CIRCUITS. SEE DRAWING EP1.0 FOR ALARM PANEL LOCATION. COORDINATE CABLING AND CONDUIT REQUIREMENTS WITH THE GENERATOR MANUFACTURE PRIOR TO ROUGH-IN.

- PROVIDE CONDUIT AND WIRING AS INDICATED FOR THE BUILDING POWER SYSTEM. SEE RISER DIAGRAM ON DRAWING E3.0 AND THE CONDUIT / TRENCHING DETAILS ON SITE PLAN C5.0 FOR ADDITIONAL INFORMATION.
- PROVIDE A VOICE / DATA & CABLE TV CONDUIT SYSTEM FROM THE BASEMENT COMMUNICATIONS SYSTEM BACKBOARD TO THE UTILITY COMPANY SERVICE POINTS. COORDINATE REQUIREMENTS WITH THE UTILITY COMPANY. SEE DRAWING EP1.0 FOR CONTINUATION AND THE CONDUIT / TRENCHING DETAILS ON SITE PLAN C5.0 FOR ADDITIONAL INFORMATION.
- UTILITY COMPANY PAD MOUNTED TRANSFORMER. SEE DETAILS ON DRAWING E4.0 AND C5.0 FOR ADDITIONAL INFORMATION. COORDINATE FINAL REQUIREMENTS WITH THE UTILITY COMPANY PRIOR TO COMMENCING WORK.
- PANEL "GEN" MOUNTED INSIDE WEATHER-TIGHT ENCLOSURE. SEE RISER DIAGRAM ON E3.0 AND PANEL SCHEDULE ON ES7.1 FOR ADDITIONAL INFORMATION.
- POWER AND CONTROL CONDUIT FOR NON-POTABLE WATER CISTERN PUMP. 2-#12 AWG + 1-#12 GND IN 1" CONDUIT FROM CISTERN TO SYSTEM CONTROL PANEL. COORDINATE FINAL LOCATION AND WIRING REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN.
- LIGHTING FIXTURE TYPE "1" WITH SWITCH WIRED TO THE OUTLET CIRCUIT AFTER THE GFI OUTLET. MOUNT FIXTURE TO A SUPPORT ON THE UNDERSIDE OF THE ENCLOSURE.
- TO DESIGNATE PANEL VIA LIGHTING CONTROL PANEL SEE DWG E4.0

ONE CALL SERIAL NO.: 0925482

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE-STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776

PENNSYLVANIA ACT 308 (1991) REQUIRES NO LESS THAN 3 WORKING DAYS NOTICE NOR MORE THAN 10 WORKING DAYS NOTICE FROM CONTRACTORS WHO ARE ABOUT TO DIG SHALL BEAR RESPONSIBILITY FOR OBTAINING TRENCH OR EXCAVATION PERMITS IN THE CONSTRUCTION PHASE. FOR LOCATION REQUESTS IN THE STATE OF PENNSYLVANIA, CALL TOLL FREE 1-800-368-3663. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THE LOCATION MUST BE CONSIDERED APPROXIMATE. OTHER UNDERGROUND UTILITIES MAY EXIST WHICH ARE NOT SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN ALL PHYSICAL LOCATIONS OF UTILITY LINES PRIOR TO THE TIME OF CONSTRUCTION. IN NO WAY SHALL THE CONTRACTOR HOLD THE SURVEYOR RESPONSIBLE FOR ANY UTILITY LOCATION SHOWN ON THIS PLAN.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
OFFICE OF PARKS AND FORESTRY

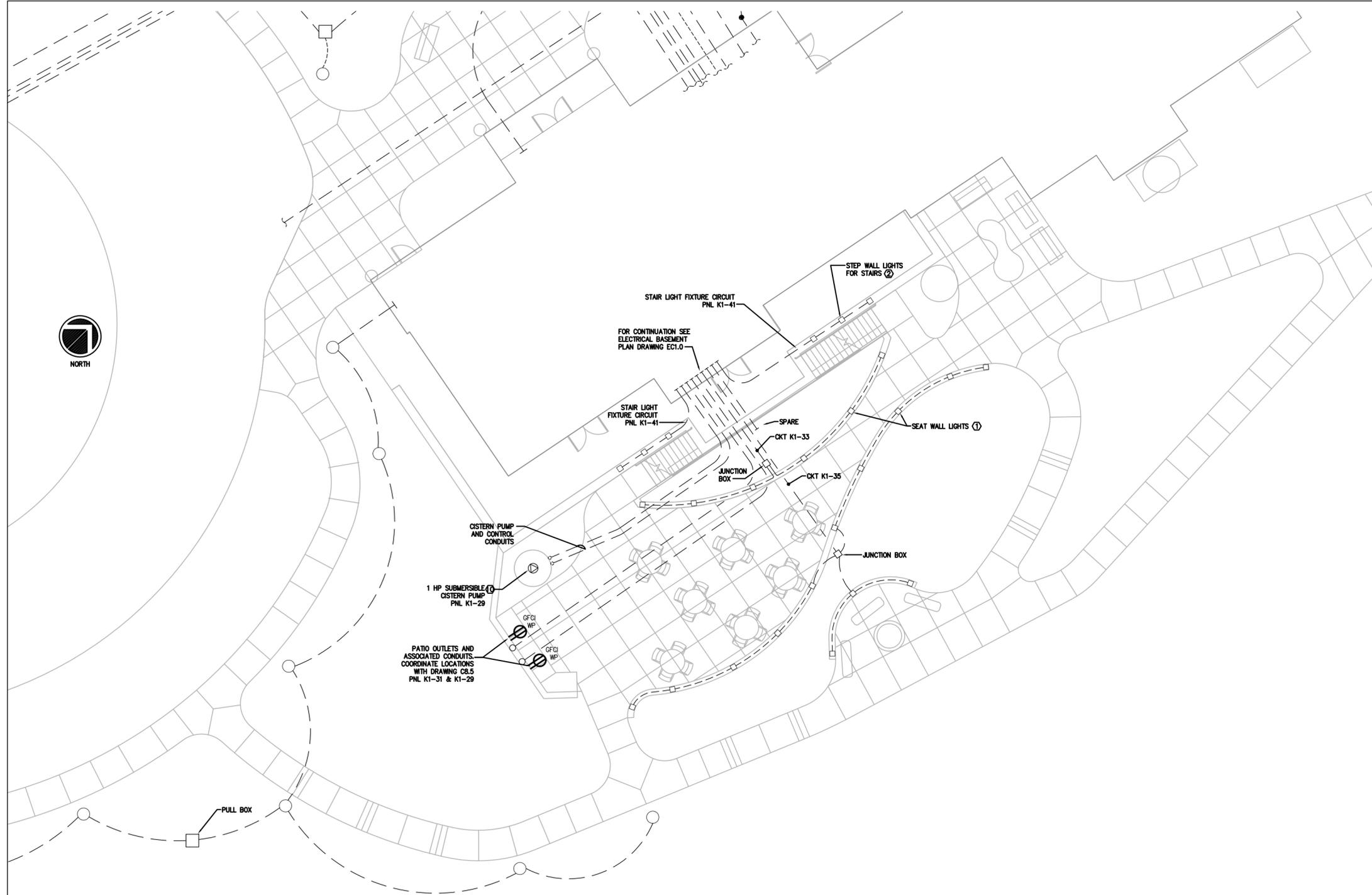
PROJECT NO: FDC-133-4494
APPLICABLE CONTRACT NO'S.

GENERAL:	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK
HOWARD AND LIBERTY TOWNSHIP,
CENTRE COUNTY, PENNSYLVANIA

SITE LIGHTING PLAN

DRAWN BY: STE	DATE: 09-03-08	DRAWING NO: ES1.0
CHECKED BY: ---	SCALE: AS NOTED	



SITE LIGHTING/EMBEDDED CONDUIT PLAN
SCALE: 1/16" = 1'-0"

NOTE:
STEPWALL LIGHTS AND SEAT WALL LIGHTS ARE FC LIGHTING CATALOG #FCLS210-120V-2/13 BX-M-SS-F-SLH

KEY NOTES

- ① MOUNT TOP OF FIXTURE 12" ABOVE PAVING.
- ② MOUNT TOP OF FIXTURE AT 2'-0" ABOVE STEP.

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LLI ENGINEERING PROJECT NUMBER
8000 BROOKVIEW ROAD, SUITE 200 NEWPORT, PA 17135-0800 781-651-8800 20070085

NO.	DATE	REVISION	APPR.
1	09/03/08	ISSUED FOR CONSTRUCTION	

SUBMITTED	
PROJECT DESIGNER	PROJECT COORDINATOR
APPROVED	
CHIEF - DIVISION OF DESIGN	
APPROVED	
DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION	

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494

APPLICABLE CONTRACT NO'S.	
GENERAL:	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK
HOWARD AND LIBERTY TOWNSHIP,
CENTRE COUNTY, PENNSYLVANIA

SITE LIGHTING ENLARGED PLAN

DRAWN BY: JPB	DATE: 09-03-08	DRAWING NO: ES1.1
CHECKED BY: ---	SCALE: AS NOTED	

ONE CALL SERIAL NO.: 0925482



PENNSYLVANIA ACT 308 (1991) REQUIRES NO LESS THAN 3 WORKING DAYS NOTICE NOR MORE THAN 10 WORKING DAYS NOTICE FROM CONTRACTORS WHO ARE ABOUT TO DIG, DRILL, BORE, AUGER, BURN, GRADE, TRENCH, OR DEMOLISH WHEN IN THE CONSTRUCTION PHASE. FOR LOCATION REQUESTS IN THE STATE OF PENNSYLVANIA, CALL TOLL FREE 1-800-242-1776.
UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THE LOCATION MUST BE CONSIDERED APPROXIMATE. OTHER UNDERGROUND UTILITIES MAY EXIST WHICH ARE NOT SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN ALL PHYSICAL LOCATIONS OF UTILITY LINES PRIOR TO THE TIME OF CONSTRUCTION. IN NO WAY SHALL THE CONTRACTOR HOLD THE SURVEYOR RESPONSIBLE FOR ANY UTILITY LOCATION SHOWN ON THIS PLAN.

PANEL DESIGNATION:		MDP																			
CONNECTED LOAD	592.20	kva		BREAKER TYPE:	BOLTED			BUSSING:	CU												
CONNECTED AMPERAGE:	1645.7	amps		MAIN BRKR/MLO:	MLO			WIRE TYPE:	THHN/THWN												
PANEL VOLTAGE HIGH:	208			MAIN BRKR RATING:	0			PHASE WIRE SIZE:	#600												
PANEL VOLTAGE LOW:	120			PANEL MAIN RATING:	2000	amp		NUETRAL WIRE SIZE:	#600												
PHASE:	3			FEEDER PROTECTN:	400	amp		EOPMT GROUND SIZE:	#3												
SERVICE ENTRY YN:	N			SYM RMS RATING:	22	Kamp		GND ELECTRODE SIZE:	NA												
NUMBER OF POLES:	42			FEED TOP/BOTTOM:	TOP			CONDUIT SIZE (RMC):	3.5 INCH												
				MOUNTING S/F:	S			SETS OF CONDUCTORS:	5												

DESCRIPTION	CKT #	LOAD KW	WIRE SIZE	BRKR	LINE A KW	LINE B KW	LINE C KW	BRKR	WIRE SIZE	LOAD KW	CKT #	DESCRIPTION
PANEL 003	1	26.44			47.90					21.46	2	PANEL ELECTRICAL CLOSET 215
	3	29.54	#500	400	50.04			200	#30	20.50	4	
	5	26.44			17.16					17.16	6	
	7	31.40			67.05		43.60			35.65	8	
	9	28.59	#30	200	63.44			200	#30	34.85	10	
PANEL ELECTRICAL CLOSET 115	11	20.17				54.52				34.35	12	PANEL KIT 2
	13	2.92			17.42					14.50	14	
	15	2.45	#6	60		15.93		400	#500	13.48	16	
GENERATOR PANEL	17	2.75				15.00				12.25	18	PANEL KIT 1
	19	19.44			73.44					54.00	20	
PANEL 004	21	16.98	#12	400	70.98			600	2-#30	54.00	22	WATER HEATER WIREWAY
	23	18.88				72.88				54.00	24	
	25	0.00	#N/A	NA	0.00			NA	#N/A	0.00	26	
SPACE	27	0.00	#N/A	NA		0.00		NA	#N/A	0.00	28	SPACE
SPACE	29	0.00	#N/A	NA		0.00		NA	#N/A	0.00	30	SPACE
SPACE	31	0.00	#N/A	NA	0.00			NA	#N/A	0.00	32	SPACE
SPACE	33	0.00	#N/A	NA		0.00		NA	#N/A	0.00	34	SPACE
SPACE	35	0.00	#N/A	NA		0.00		NA	#N/A	0.00	36	SPACE
SPACE	37	0.00	#N/A	NA	0.00			NA	#N/A	0.00	38	SPACE
SPACE	39	0.00	#N/A	NA		0.00		NA	#N/A	0.00	40	SPACE
SPACE	41	0.00	#N/A	NA		0.00		NA	#N/A	0.00	42	SPACE

PANEL DESIGNATION:		ELECTRICAL CLOSET 115																			
CONNECTED LOAD	80.16	kva		BREAKER TYPE:	BOLTED			BUSSING:	CU												
CONNECTED AMPERAGE:	222.8	amps		MAIN BRKR/MLO:	MLO			WIRE TYPE:	THHN/THWN												
PANEL VOLTAGE HIGH:	208			MAIN BRKR RATING:	0			PHASE WIRE SIZE:	#600												
PANEL VOLTAGE LOW:	120			PANEL MAIN RATING:	400	amp		NUETRAL WIRE SIZE:	#600												
PHASE:	3			FEEDER PROTECTN:	400	amp		EOPMT GROUND SIZE:	#3												
SERVICE ENTRY YN:	N			SYM RMS RATING:	22	Kamp		GND ELECTRODE SIZE:	NA												
NUMBER OF POLES:	42			FEED TOP/BOTTOM:	BOT			CONDUIT SIZE (RMC):	3.5 INCH												
				MOUNTING S/F:	S			SETS OF CONDUCTORS:	1												

DESCRIPTION	CKT #	LOAD KW	WIRE SIZE	BRKR	LINE A KW	LINE B KW	LINE C KW	BRKR	WIRE SIZE	LOAD KW	CKT #	DESCRIPTION
UNIT 116	1	4.83	#6	60	9.66			60	#6	4.83	2	UNIT 120
	3	3.89				7.76				3.89	4	
UNIT 117	5	3.38	#6	60	6.03		7.56	60	#6	4.18	6	UNIT 121
	7	2.54								3.49	8	
UNIT 118	9	3.38	#6	60		7.56	6.03	60	#6	4.18	10	UNIT 122
	11	2.54								3.49	12	
UNIT 119	13	4.83	#6	60	9.01			60	#6	4.18	14	UNIT 123
	15	3.89				7.38				3.49	16	
AC2 RM 129	17	0.50	#12	15	1.00		1.00	15	#12	0.50	18	BC CONTROLER
LIGHTING UPPER LOBBY	19	0.50	#12	20		2.00		20	#12	1.50	22	VENDING MACHINE
RECPCTACLES RM 115	21	0.36	#12	20		1.86	2.00	20	#12	1.50	24	VENDING MACHINE
RECEPTACLE COM B. BOARD RM 115	25	1.50	#12	20	3.00			20	#12	1.50	26	VENDING MACHINE
RECEPTACLES COORIDOR 125/128	27	0.72	#12	20		1.22		20	#12	0.50	28	SHOWCASE LIGHTING
RECEPTACLES LOUNGE 126	29	0.72	#12	20		1.22		15	#12	0.50	30	AC-1 STAIR 130
AC-2 RM 126	31	0.50	#12	15	1.00					0.50	32	LIGHTS VESTIBULE & LOBBY
	33	0.50				1.70		20	#12	1.20	34	
AC-1 RM 127	35	0.50	#12	15		1.50		20	#12	1.00	36	LIGHTS ADMIN AREA
	37	0.50				1.70		20	#12	1.20	38	
FIRE ALARM NAC PANEL	39	0.50	#12	15		0.95		20	#12	0.45	40	RADON SYSTEM
	41	0.50				1.00		20	#12	0.50	42	

PANEL DESIGNATION:		PANEL K 1																			
CONNECTED LOAD	40.23	kva		BREAKER TYPE:	BOLTED			BUSSING:	CU												
CONNECTED AMPERAGE:	111.8	amps		MAIN BRKR/MLO:	MLO			WIRE TYPE:	THHN/THWN												
PANEL VOLTAGE HIGH:	208			MAIN BRKR RATING:	0			PHASE WIRE SIZE:	#600												
PANEL VOLTAGE LOW:	120			PANEL MAIN RATING:	400	amp		NUETRAL WIRE SIZE:	#600												
PHASE:	3			FEEDER PROTECTN:	400	amp		EOPMT GROUND SIZE:	#3												
SERVICE ENTRY YN:	N			SYM RMS RATING:	22	Kamp		GND ELECTRODE SIZE:	NA												
NUMBER OF POLES:	42			FEED TOP/BOTTOM:	BOT			CONDUIT SIZE (RMC):	3.5 INCH												
				MOUNTING S/F:	S			SETS OF CONDUCTORS:	1												

DESCRIPTION	CKT #	LOAD KW	WIRE SIZE	BRKR	LINE A KW	LINE B KW	LINE C KW	BRKR	WIRE SIZE	LOAD KW	CKT #	DESCRIPTION
FREEZER	1	1.10	#12	20	3.60			30	#10	2.50	2	HOLDING CABINET
SALAMANDER	3	4.00	#10	30		5.00		20	#12	1.00	4	REFRIGERATOR
	5	4.00					5.50	100	#3	1.50	6	
ICE MAKER	7	4.00	#10	30	5.50			100	#3	1.50	8	TOASTER
	9	1.50	#12	20		1.50		100	#3	0.00	10	
SPARE	11	0.00	#12	20			0.72	20	#12	0.72	12	MULTIPURPOSE RECEPTACLE
SPARE	13	0.00	#12	20	0.72			20	#12	0.72	14	MULTIPURPOSE RECEPTACLE
MICROWAVE	15	1.50	#12	20		2.00		15	#12	0.50	16	AC-3
COFFEE POT	17	1.50	#12	20		2.00				0.50	18	
COFFEE POT	19	1.50	#12	20	2.00			15	#12	0.50	20	AC-3
RECEPTACLE RM 103/104	21	1.08	#12	20		1.58				0.50	22	
RECEPTACLES GENERAL KITCHEN	23	1.00	#12	20		1.00		20	#12	0.00	24	SPARE
SPARE	25	0.00	#12	20	0.50			20	#12	0.50	26	BASEBOARD HTR RM 103
KITCHEN LTS	27	0.30	#12	20		0.80				0.50	28	
RECEPTACLE PATIO	29	0.18	#12	20		0.68		20	#12	0.50	30	BASEBOARD HTR RM 103
RECEPTACLE PATIO	31	0.18	#12	20	0.68					0.50	32	
EXTERIOR PATIO WALL LIGHTS	33	1.00	#12	20		1.50		20	#12	0.50	34	BASEBOARD HTR RM 103
EXTERIOR PATIO WALL LIGHTS	35	1.00	#12	20		1.50				0.50	36	
EXTERIOR BOLLARD LIGHTS	37	1.00	#10	20	1.50			20	#12	0.50	38	BASEBOARD HTR RM 103
EXTERIOR BOLLARD LIGHTS	39	0.60	#10	20		1.10				0.50	40	
EXTERIOR STAIR LIGHTS	41	0.60	#12	20		0.85		20	#12	0.25	42	MOTORIZED SHADES

PANEL DESIGNATION:		PNL 003																			
CONNECTED LOAD	82.42	kva		BREAKER TYPE:	BOLTED			BUSSING:	CU												
CONNECTED AMPERAGE:	229.0	amps		MAIN BRKR/MLO:	MLO			WIRE TYPE:	THHN/THWN												
PANEL VOLTAGE HIGH:	208			MAIN BRKR RATING:	0			PHASE WIRE SIZE:	#600												
PANEL VOLTAGE LOW:	120			PANEL MAIN RATING:	400	amp		NUETRAL WIRE SIZE:	#600												
PHASE:	3			FEEDER PROTECTN:	400	amp		EOPMT GROUND SIZE:	#3												
SERVICE ENTRY YN:	N			SYM RMS RATING:	22	Kamp		GND ELECTRODE SIZE:	NA												
NUMBER OF POLES:	42			FEED TOP/BOTTOM:	BOTTOM </																

PANEL DESIGNATION:		GENERATOR													
CONNECTED LOAD	8.12	kva	BREAKER TYPE:		BOLTED				BUSSING:		CU				
CONNECTED AMPERAGE:	22.6	amps	MAIN BRKR/MLO:		MLO				WIRE TYPE:		THHN/THWN				
PANEL VOLTAGE HIGH:	208		MAIN BRKR RATING:		60				PHASE WIRE SIZE:		#6				
PANEL VOLTAGE LOW:	120		PANEL MAIN RATING:		100 amp				NEUTRAL WIRE SIZE:		#6				
PHASE:	3		FFEEEDER PROTCTN:		100 amp				EOPMT GROUND SIZE:		#8				
SERVICE ENTRY YN:	N		SYM RMS RATING:		22 K amp				GND ELECTRODE SIZE:		NA				
NUMBER OF POLES:	18		FEED TOP/BOTTOM:		TOP				CONDUIT SIZE (RMC):		1.25 INCH				
			MOUNTING S/F:		S				SETS OF CONDUCTORS:		1				

DESCRIPTION	CKT #	LOAD KW	WIRE SIZE	BRKR	LINE A KW	LINE B KW	LINE C KW	BRKR	WIRE SIZE	LOAD KW	CKT #	DESCRIPTION	
ENCLOSURE RECEPTACLE/LIGHT	1	0.22	#12	20	1.42				20	#12	1.20	2	BATTERY CHARGER
BLOCK HEATER	3	1.25	#12	20	2.45				20	#12	1.20	4	BATTERY HEATER
	5	1.25	#12	20		2.75			20	#12	1.50	6	ENCLOSURE HEATER
ANTI-CONDENSATION HTR	7	1.50	#12	20	1.50				20	#12	0.00	8	SPARE
SPACE	9	0.00	#N/A	NA		0.00			NA	#N/A	0.00	10	SPACE
SPACE	11	0.00	#N/A	NA			0.00		NA	#N/A	0.00	12	SPACE
SPACE	13	0.00	#N/A	NA	0.00				NA	#N/A	0.00	14	SPACE
SPACE	15	0.00	#N/A	NA			0.00		NA	#N/A	0.00	16	SPACE
SPACE	17	0.00	#N/A	NA				0.00	NA	#N/A	0.00	18	SPACE

PANEL DESIGNATION:		UNIT A (SINGLE UNIT)													
CONNECTED LOAD	5.92	kva	BREAKER TYPE:		PLUG ON				BUSSING:		CU				
CONNECTED AMPERAGE:	16.5	amps	MAIN BRKR/MLO:		MLO				WIRE TYPE:		THHN/THWN				
PANEL VOLTAGE HIGH:	208		MAIN BRKR RATING:		0				PHASE WIRE SIZE:		#3				
PANEL VOLTAGE LOW:	120		PANEL MAIN RATING:		100 amp				NEUTRAL WIRE SIZE:		#3				
PHASE:	3		FFEEEDER PROTCTN:		100 amp				EOPMT GROUND SIZE:		#8				
SERVICE ENTRY YN:	N		SYM RMS RATING:		10 K amp				GND ELECTRODE SIZE:		NA				
NUMBER OF POLES:	20		FEED TOP/BOTTOM:		BOT				CONDUIT SIZE (RMC):		1.25 INCH				
			MOUNTING S/F:		F				SETS OF CONDUCTORS:		1				

DESCRIPTION	CKT #	LOAD KW	WIRE SIZE	BRKR	LINE A KW	LINE B KW	LINE C KW	BRKR	WIRE SIZE	LOAD KW	CKT #	DESCRIPTION	
LIGHTS	1	0.50	#12	15	0.68				15	#12	0.18	2	BATH RECEPTACLE
AIR HANDLER CKT	3	0.40	#12	20		0.40			15	#12	0.00	4	SPARE
	5	0.40	#12	20	0.60				15	#12	0.20	6	CEILING FAN
BATH FAN	7	0.20	#12	15		0.74			20	#12	0.54	8	RECEPTACLES
REGRIGERATOR	9	0.60	#12	20	2.10				20	#12	1.50	10	MICROWAVE
COFFEE MAKER	11	1.20	#12	20		1.40			15	#12	0.20	12	SMOKE DETECTOR
SPACE	13	0.00	#N/A	NA	0.00				NA	#N/A	0.00	14	SPACE
SPACE	15	0.00	#N/A	NA			0.00		NA	#N/A	0.00	16	SPACE

PANEL DESIGNATION:		UNIT B (DOUBLE UNIT / SINGLE BR SUITE)													
CONNECTED LOAD	7.67	kva	BREAKER TYPE:		PLUG ON				BUSSING:		CU				
CONNECTED AMPERAGE:	21.3	amps	MAIN BRKR/MLO:		MLO				WIRE TYPE:		THHN/THWN				
PANEL VOLTAGE HIGH:	208		MAIN BRKR RATING:		0				PHASE WIRE SIZE:		#3				
PANEL VOLTAGE LOW:	120		PANEL MAIN RATING:		100 amp				NEUTRAL WIRE SIZE:		#3				
PHASE:	3		FFEEEDER PROTCTN:		100 amp				EOPMT GROUND SIZE:		#8				
SERVICE ENTRY YN:	N		SYM RMS RATING:		10 K amp				GND ELECTRODE SIZE:		NA				
NUMBER OF POLES:	20		FEED TOP/BOTTOM:		BOT				CONDUIT SIZE (RMC):		1.25 INCH				
			MOUNTING S/F:		F				SETS OF CONDUCTORS:		1				

DESCRIPTION	CKT #	LOAD KW	WIRE SIZE	BRKR	LINE A KW	LINE B KW	LINE C KW	BRKR	WIRE SIZE	LOAD KW	CKT #	DESCRIPTION	
LIGHTS	1	0.50	#12	15	0.68				15	#12	0.18	2	BATH RECEPTACLE
AIR HANDLER CKT	3	0.80	#12	20		0.95			15	#12	0.15	4	CEILING FAN
	5	0.80	#12	20	1.00				15	#12	0.20	6	RECEPTACLE
BATH FAN	7	0.20	#12	15		0.74			20	#12	0.54	8	RECEPTACLES
REGRIGERATOR	9	0.60	#12	20	2.10				20	#12	1.50	10	MICROWAVE
COFFEE MAKER	11	1.20	#12	20		1.40			15	#12	0.20	12	SMOKE DETECTOR
SPACE	13	0.40	#N/A	NA	0.40				NA	#N/A	0.00	14	SPACE
SPACE	15	0.40	#N/A	NA			0.40		NA	#N/A	0.00	16	SPACE

PANEL DESIGNATION:		INN KEEPER SUITE													
CONNECTED LOAD	18.02	kva	BREAKER TYPE:		PLUG ON				BUSSING:		CU				
CONNECTED AMPERAGE:	85.6	amps	MAIN BRKR/MLO:		MLO				WIRE TYPE:		THHN/THWN				
PANEL VOLTAGE HIGH:	208		MAIN BRKR RATING:		0				PHASE WIRE SIZE:		#1/0				
PANEL VOLTAGE LOW:	120		PANEL MAIN RATING:		150 amp				NEUTRAL WIRE SIZE:		#6				
PHASE:	1		FFEEEDER PROTCTN:		150 amp				EOPMT GROUND SIZE:		#6				
SERVICE ENTRY YN:	N		SYM RMS RATING:		10 K amp				GND ELECTRODE SIZE:		NA				
NUMBER OF POLES:	18		FEED TOP/BOTTOM:		BOT				CONDUIT SIZE (RMC):		1.25 INCH				
			MOUNTING S/F:		F				SETS OF CONDUCTORS:		1				

DESCRIPTION	CKT #	LOAD KW	WIRE SIZE	BRKR	LINE A KW	LINE B KW	LINE C KW	BRKR	WIRE SIZE	LOAD KW	CKT #	DESCRIPTION	
LIGHTS	1	0.75	#12	15	0.93				15	#12	0.18	2	DISHWASHER
AIR HANDLER CKT	3	1.20	#12	20		1.35			15	#12	0.15	4	CEILING FAN
	5	1.20	#12	20	1.20				15	#12	0.00	6	SPARE
BATH FAN	7	0.20	#12	15		0.74			20	#12	0.54	8	LVG RM RECEPTACLES
REGRIGERATOR	9	0.60	#12	20	2.10				20	#12	1.50	10	LVG RM RECEPTACLES
BED RM OUTLETS	11	1.20	#12	20		2.70			20	#12	1.50	12	KITCHEN APPLIANCE CKT & RANGE HOOD
RANGE	13	3.00	#8	40	4.50				20	#12	1.50	14	KITCHEN SMALL APPLIANCE CKT
	15	3.00	#8	40		4.50			20	#12	1.50	16	DISPOSAL
DRYER	17	2.60	#10	30	2.60				20	#12	0.00	18	SPARE
	19	2.60	#10	30		2.80			15	#12	0.20	20	SMOKE DETECTORS
CLOTHES WASHER	21	1.20	#12	20	1.35				20	#12	0.15	22	RADON SYSTEM
SPACE	23	0.00	#N/A	NA	0.00				NA	#N/A	0.00	24	SPACE
SPACE	25	0.00	#N/A	NA	0.00				NA	#N/A	0.00	26	SPACE
SPACE	27	0.00	#N/A	NA	0.00				NA	#N/A	0.00	28	SPACE
SPACE	29	0.00	#N/A	NA	0.00				NA	#N/A	0.00	30	SPACE

PANEL DESIGNATION:		UNIT C (DOUBLE BR SUITE)													
CONNECTED LOAD	8.72	kva	BREAKER TYPE:		PLUG ON				BUSSING:		CU				
CONNECTED AMPERAGE:	24.2	amps	MAIN BRKR/MLO:		MLO				WIRE TYPE:		THHN/THWN				
PANEL VOLTAGE HIGH:	208		MAIN BRKR RATING:		0				PHASE WIRE SIZE:		#3				
PANEL VOLTAGE LOW:	120		PANEL MAIN RATING:		100 amp				NEUTRAL WIRE SIZE:		#3				
PHASE:	3		FFEEEDER PROTCTN:		100 amp				EOPMT GROUND SIZE:		#8				
SERVICE ENTRY YN:	N		SYM RMS RATING:		10 K amp				GND ELECTRODE SIZE:		NA				
NUMBER OF POLES:	20		FEED TOP/BOTTOM:		BOT				CONDUIT SIZE (RMC):		1.25 INCH				
			MOUNTING S/F:		F				SETS OF CONDUCTORS:		1				

DESCRIPTION	CKT #	LOAD KW	WIRE SIZE	BRKR	LINE A KW	LINE B KW	LINE C KW	BRKR	WIRE SIZE	LOAD KW	CKT #	DESCRIPTION	
LIGHTS	1	0.75	#12	15	0.93				15	#12	0.18	2	BATH RECEPTACLE
AIR HANDLER CKT	3	1.20	#12	20		1.35			15	#12	0.15	4	CEILING FAN
	5	1.20	#12	20	1.40				15	#12	0.20	6	RECEPTACLE
BATH FAN	7	0.20	#12	15		0.74			20	#12	0.54	8	RECEPTACLES
REGRIGERATOR	9	0.60	#12	20	2.10				20	#12	1.50	10	MICROWAVE
COFFEE MAKER	11	1.20	#12	20		1.40			15	#12	0.20	12	SMOKE DETECTOR
SPACE	13	0.40	#N/A	NA	0.40				NA	#N/A	0.00	14	SPACE
SPACE	15	0.40	#N/A	NA			0.40		NA	#N/A	0.00	16	SPACE

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LLI ENGINEERING
 6000 BROOKTREE ROAD, SUITE 300 WEXFORD, PA 15084-8800
 PROJECT NUMBER 20070085

10/1/10	RECORD DRAWING		
09/28/08	ADDENDUM NO. 1		
1	ISSUED FOR CONSTRUCTION		
NO.	DATE	REVISION	APPR.

SUBMITTED	PROJECT DESIGNER	PROJECT COORDINATOR
APPROVED	CHIEF - DIVISION OF DESIGN	
APPROVED	DIRECTOR - BUREAU OF FACILITY DESIGN AND CONSTRUCTION	

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
 OFFICE OF PARKS AND FORESTRY

PROJECT NO: FDC-133-4494

APPLICABLE CONTRACT NO'S.

GENERAL:	PLUMBING:
HVAC:	ELECTRICAL: FDC-133-4494.4
ROADWAY:	

THE INN AT BALD EAGLE STATE PARK
 HOWARD AND LIBERTY TOWNSHIP,
 CENTRE COUNTY, PENNSYLVANIA

POWER PANEL SCHEDULES

DRAWN BY:	DATE:	DRAWING NO.:
DRC	09-03-08	ES7.1
CHECKED BY:	SCALE:	
--	AS NOTED	