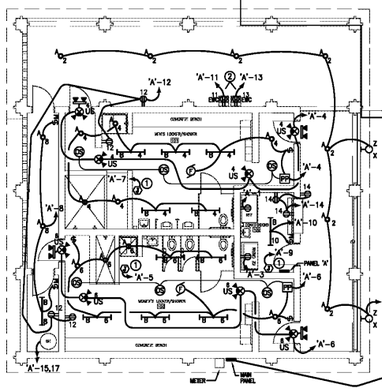
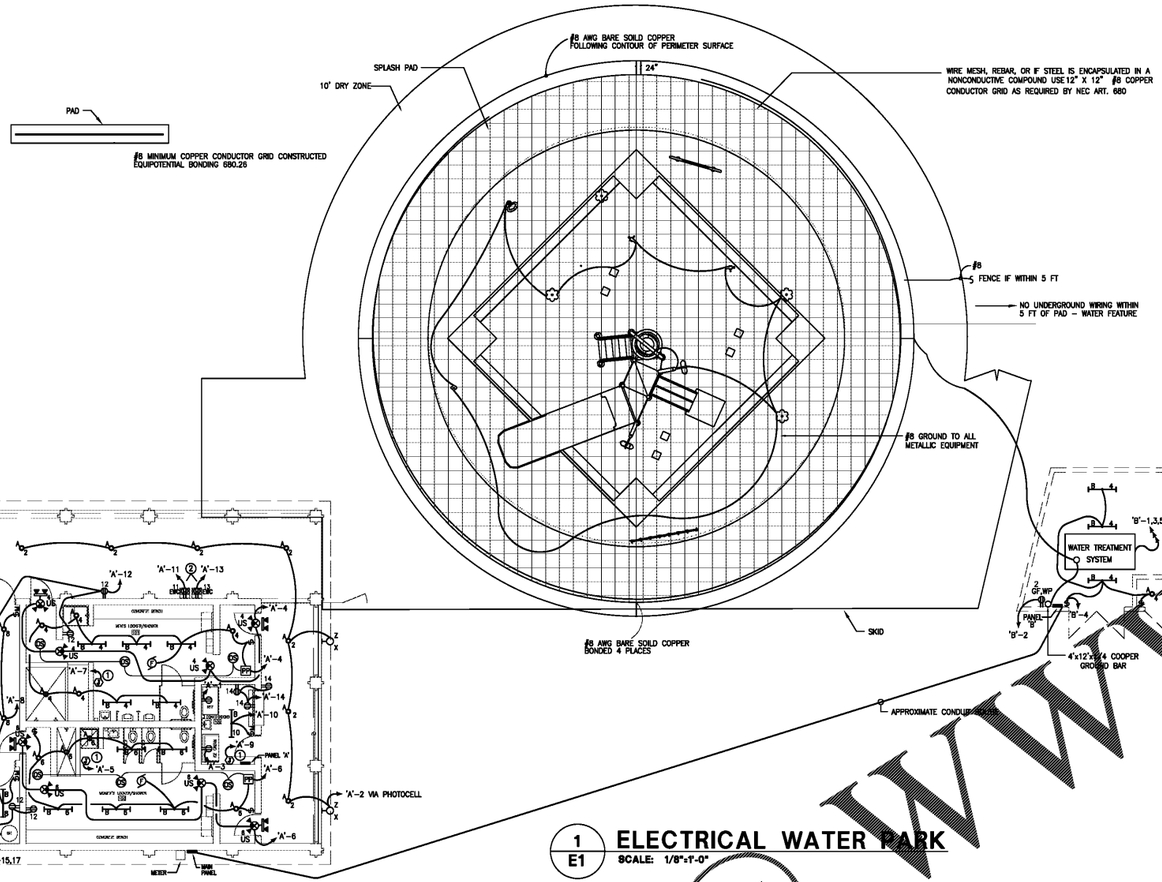
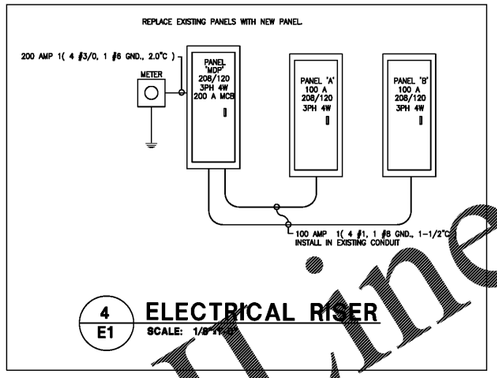


'A'-2 VIA PHOTOCELL

1 E1 ELECTRICAL WATER PARK
SCALE: 1/8"=1'-0"





4 E1 ELECTRICAL RISER
SCALE: 1/8"=1'-0"

FIELD WIRING CONNECTIONS WITHIN WATER TREATMENT SKID		
FROM	TO	
PANEL	WTS SKID	208VAC/3P/60HZ 15A 230VAC/1P/60HZ 15A INCLUDES UV DRAIN 4 WIRE + PE
WTS SKID	UV SKID	120VAC/1P/5A CABLE PROVIDED
SKID	MANIFOLD	120VAC/1P/60HZ 0.14A PER VALVE
SKID	DSS	120VAC/1P/60HZ 0.5A 0 WIRE + PE
MANIFOLD	ACTIVATOR	24VDC 0.2A PER ACTIVATOR

ELECTRICAL SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE

Energy Code: ☒ PRESCRIPTIVE ☐ PERFORMANCE
ASHRAE 90.1: ☐ PRESCRIPTIVE ☐ PERFORMANCE

LIGHTING SCHEDULE
lamp type required in fixture: See Lighting Schedule On Dwg. E0.1
number of lamps in fixture:
ballast type used in the fixture:
number of ballast in fixture:
total wattage per fixture:
total interior wattage specified vs allowed: 1,125 W VS 2,115.8 W (whole building or space by space)
total exterior wattage specified vs allowed: 62 W VS 1,063 W

ADDITIONAL PRESCRIPTIVE COMPLIANCE
☐ 506.2.1 More Efficent Mechanical Equipment
☒ 506.2.2 Reduced Lighting Power Density
☐ 506.2.3 Energy Recovery Ventilation Systems
☐ 506.2.4 Higher Efficency Service Water Heating
☐ 506.2.5 On-Site Supply of Renewable Energy
☐ 506.2.6 Automatic Daylighting Control Systems

DESIGNER STATEMENT:
To the best of my knowledge and belief, the design of this building complies with the thermal envelope requirements of the North Carolina State Building Code, 2012 Energy Conservation Code.

NAME: DAVID S. SMITH
TITLE: ELECTRICAL ENGINEER

3 E0.1 ENERGY CODE
SCALE: NONE

NOTES: (AS INDICATED ON THIS PLAN BY A NUMBER IN A ◯)
1. JUNCTION BOX FOR HAND DRYER. MOUNT AT HEIGHT ACCORDING TO ARCHITECTURAL DRAWINGS. E.C. TO MAKE ALL CONNECTIONS.
2. COORDINATE LOCATION OF RECEPTACLE FOR ELECTRIC WATER COOLER WITH PLUMBER SO RECEPTACLE IS ACCESSIBLE AND RECEPTACLE AND CORD DO NOT SHOW. GFCI PROTECTION FOR RECEPTACLE WILL BE PROVIDED AT BREAKER.

NOTES:
INSTALL ALL GROUNDING AND ASSEMBLY BY NEC ARTICLE 680.

LIGHTING FIXTURE SYMBOL 'A'	LIGHTING FIXTURE SYMBOL 'B'	LIGHTING FIXTURE SYMBOL 'C'	LIGHTING FIXTURE SYMBOL '4'	LIGHTING FIXTURE SYMBOL 'XX'

LIGHTING FIXTURE SCHEDULE

SYM	MNFR	CATALOG #	NO.	LAMP TYPE	NO.	BALLAST TYPE	VOLT-AMPS	VOLTAGE	MTG HEIGHT	DESCRIPTION
A	HALO LIGHTING OR EQUAL	[illegible] SERIES – SLD6[illegible] EQUAL EQUAL	–	LED 80 CRI 3500 K	–	–	14.8 VA	UNIVERSAL 120/277V	MOUNT TO RECESSED 4" JUNCTION BOX	6" ULTRA LOW-PROFILE SURFACE LED DOWNLIGHT, 1215 LUMENS, WET LOCATION LISTED FOR FOR OUTDOOR PROTECTED CEILINGS, WHITE FINISH, JUNCTION BOX KIT
B	EATON EQUAL EQUAL	4VT7-[illegible]-DR-WH-[illegible]-L835-CD-1-WL EQUAL EQUAL	–	LED 4000 LUMENS 3500 K	–	–	56 WATTS	UNIVERSAL 120/277V	MOUNT TO CEILING	4" VAPORITTE LED 4.0, 4,000 LUMENS, 3500K, INTERNAL PRISMATIC LENS/13[illegible]/DR HIGH IMPACT ADDITIVE, WIDE DISTRIBUTION, UNIVERSAL VOLTAGE 120–277, 1 DIMMING DRIVE, WET LOCATION.
C	EATON EQUAL EQUAL	[illegible]ST18920L EQUAL EQUAL	–	LED 2090 LUMENS 5000 K	–	–	31.1 WATTS	120V	MOUNT TO WALL	LED MOTION TWIN HEAD WITH SMALL SINGLE HEAD, 2090 LUMENS, 5000K, 75 CRI, 31.1 WATTS, 120 VOLT EXTIER LIGHT FIXTURE SUITABLE FOR WET LOCATIONS, WITH BRONZE FINISH.
EM	[illegible] DUAL-LITE SURE-LITES	[illegible] EQUAL EQUAL	– 1	LED EMERGENCY LED HEADS	– –	– –	3.3 VA 2 VA	120/277 DUAL	MOUNTED TO CEILING OR WALL OVER DOOR FRAME	COMBINATION EXIT SIGN AND BATTERY LIGHT, LED, RED LETTERS, UNIVERSAL MOUNTING, WHITE THERMOPLASTIC HOUSING, DUAL VOLTAGE, HIGH OUTPUT EMERGENCY NICKEL CADMIUM BATTERY
XX	[illegible]THONIA DUAL-LITE SURE-LITES	ELA T QWP EQUAL EQUAL	2	1.1W LED	–	– –	2.2 VA	UNV 120–277V	MOUNTED TO CEILING OR WALL OVER DOOR FRAME	DOUBLE REMOTE HEAD, WEATHERPROOF NOTE: REMOTE HEAD WILL BE OFF DURING NORMAL OPERATION, WILL BE ACTIVATED BY POWER FAILURE

2 E1 LIGHTING FIXTURE SCHEDULE
SCALE: NONE

ELECTRICAL LEGEND & EQUIPMENT SCHEDULE

SYM	MNFR	CATALOG #	DESCRIPTION
$	LEVITON	1221–X	20 AMP, 125V, SINGLE POLE, COLOR SELECTION BY ARCHITECT, STAINLESS STEEL COVER PLATE, MOUNT 46" AFF TO TOP OF PLATE
$M	LUTRON	MS–OPS6M–DV–XX	MAESTRO IR–WALL SENSOR WITH SWITCH – SINGLE–POLE/MULTI–LOCATION SWITCH WITH OCCUPANCY/ VACANCY SENSOR (PROGRAM AS OCCUPANCY), 120V/277V, 6 A LIGHTING, 3 A FAN, MOUNT 46" AFF TO TOP OF PLATE, COLOR SELECTION OF DEVICE AND PLATE BY ARCHITECT
⊖=	LEVITON	5362–X	DUPLEX RECEPTACLE, 20 AMP, 125V, W/STAINLESS STEEL COVER PLATE, COLOR SELECTION BY ARCHITECT, MOUNTING HEIGHT TO CENTER OF PLATE – 15" AFF UNLESS NOTED OTHERWISE ON DRAWINGS
WP			WEATHER PROOF LOCKABLE RECEPTACLE COVER
EWC			20 AMP RECEPTACLE FOR ELECTRICAL WATER COOLER – COORDINATE LOCATION WITH PLUMBER SO CORD AND RECEPTACLE DO NOT SHOW, PROVIDE GFCI PROTECTED BREAKER FOR EWC IN PANEL
GF			GROUND FAULT RECEPTACLE, 20 AMP, 120V, IVORY, MOUNT 16" ABOVE FLOOR OR AS NOTED
US			UNSWITCHED LIGHT FIXTURE
1,2,3,4	SEE FIXTURE SCHEDULE		LED LIGHT FIXTURE
X	SEE FIXTURE SCHEDULE		LED LIGHT FIXTURE
X	SEE FIXTURE SCHEDULE		LED LIGHT FIXTURE
4	SEE FIXTURE SCHEDULE		COMBINATION EXIT SIGN/BATTERY LIGHT.
XX	SEE FIXTURE SCHEDULE		DOUBLE LED LIGHT FIXTURE REMOTE HEAD, WET LOCATION.
			RACEWAY CONCEALED ABOVE CEILING OR IN WALL
			HOMERUN TO PANEL BOARD
Ø			EXHAUST FAN FUTURE CONNECTION.
⊗			ULTRASONIC CEILING MOUNTED OCCUPANCY SENOR
PP			POWER PACK
J			JUNCTION BOX

3 E1 ELECTRICAL LEGEND
SCALE: NONE

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PUBLICATION OR REUSE OF THESE DRAWINGS OR ANY DETAILS THEREOF MUST BE WITH THE WRITTEN CONSENT OF THE ARCHITECT

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ROYAL GIANTS PARK – 2017 RENEWAL PROJECT
200 ROBINSON ROAD
EAST SPENCER, NC 28039

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030 11/6/17 DAVID S. SMITH
DESIGN ENGINEERING C-657

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