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## **CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS**

### **SECONDARY FAN CONTROL PANEL SUBMITTAL**

### **SECTION 17441 - CONTROLS SYSTEM HARDWARE**

**January 26, 2026**

**ENGINEER: WRA**

**CONTRACTOR: JOHNSTON CONSTRUCTION**

***MANUFACTURERS' REPRESENTATIVE FOR ENGINEERED INSTRUMENTATION,  
PROCESS EQUIPMENT AND PUMPING SYSTEMS***

***Branch Offices: RICHMOND, VA and LEOLA, PA***

# **CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS**

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## **CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS**

### **General Comments:**

1. The wiring schematics assume a  $\frac{1}{4}$ HP motor with an FLA of 5.8. Please verify and confirm the motor nameplate details for the secondary fan motor.

## Parts Index:

SHT	MANUFACTURER	MODEL	DESCRIPTION
1	SCE	SCE-16H1606SS6LP	Wall Mount Enclosure - NEMA 4X
1	SCE	SCE-16P16	Enclosure Back Panel
1	SCE	SCE-BVKD	NEMA 4X VENT/DRAIN
2	Schneider Electric	9001SKT38LGG31	PTT Light, 120VAC LED, Green
2	Schneider Electric	9001SKT38LRR31	PTT Light, 120VAC LED, Red
2	Schneider Electric	9001SKT38LYA31	PTT Light, 120VAC LED, Amber
3	Schneider Electric	XB4BA922	Manual Overload Reset Pushbutton
4	Schneider Electric	9001SKS43BH13	3 Position Switch, Black
5	Square D	BGL26015	Main Circuit Breaker, 15A
6	Weidmuller	7940102572	Circuit Breaker, 120VAC, 2A
7	Square D	8536-SAO11V02ES	NEMA Motor Starter / Overload
7	Square D	B9.10	Thermal Motor Overload
9	Square D	9050JCK70V20	Repeat Cycle Timer, 0.5 Sec to 999 Hours
9	Square D	8501NR61	RELAY SOCKET, 120VAC, 11 PIN, DIN
10	Phoenix Contact	3044076	Terminal Block
10	Phoenix Contact	3044092	Grounding Terminal Block
10	Phoenix Contact	3047028	Terminal End Barrier
10	Phoenix Contact	0800886	Terminal Anchor

# CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS

## Data Sheet 1

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/26/2026
Qty	Description
1	<p>Mfg: SCE: Wall Mount Enclosure - NEMA 4X Model Number: SCE-16H1606SS6LP</p> <p>Tags/Service: ENC / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"><li>• 0.075" stainless steel type 316/316L</li><li>• Flange trough collar around all sides of door opening</li><li>• Pour in place oil and water resistant gasket</li><li>• Hasp and staple for padlocking</li><li>• Stainless steel continuous hinges</li><li>• Welded mounting provision top and bottom of back</li><li>• #4 brushed finish on all exterior surfaces</li></ul>
1	<p>Mfg: SCE: Enclosure Back Panel Model Number: SCE-16P16</p> <p>Tags/Service: ENC / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"><li>• 13"H x 13"W x 0.10"D flat subpanel</li><li>• Powder coated white finish</li></ul>

1	<p>Mfg: SCE: NEMA 4X VENT/DRAIN Model Number: SCE-BVKD</p> <p>Tags/Service: DRAIN / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"><li>• Drain and breather vent kit</li><li>• Made of corrosion and UV resistant polycarbonate material</li><li>• NEMA 4X rated</li><li>• 10 in·lb installation torque</li></ul>
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## Data Sheet 2

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/26/2026
Qty	Description
1	<p>Mfg: Schneider Electric: PTT Light, 120VAC LED, Green  Model Number: 9001SKT38LGG31</p> <p>Tags/Service:  LT5208 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>• Plastic bezel material</li> <li>• 120VAC rated supply voltage</li> <li>• 1 C/O contact composition</li> <li>• 5000000 cycle mechanical durability</li> <li>• 0.55A rated operational current</li> <li>• Silver alloy contact material</li> <li>• 60kA, 7200VA rated short-circuit making capacity</li> <li>• 6kA, 720VA rated breaking capacity</li> <li>• Green fresnel polycarbonate lens</li> <li>• Green LED</li> </ul>
1	<p>Mfg: Schneider Electric: PTT Light, 120VAC LED, Red  Model Number: 9001SKT38LRR31</p> <p>Tags/Service:  LT5209 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>• Plastic bezel material</li> <li>• 120VAC rated supply voltage</li> <li>• 1 C/O contact composition</li> </ul>

	<ul style="list-style-type: none"> <li>• 5000000 cycle mechanical durability</li> <li>• 0.55A rated operational current</li> <li>• Silver alloy contact material</li> <li>• 60kA, 7200VA rated short-circuit making capacity</li> <li>• 6kA, 720VA rated breaking capacity</li> <li>• Red fresnel polycarbonate lens</li> <li>• Red LED</li> </ul>
1	<p>Mfg: Schneider Electric: PTT Light, 120VAC LED, Amber  Model Number: 9001SKT38LYA31</p> <p>Tags/Service:  LT5210 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>• Plastic bezel material</li> <li>• 120VAC rated supply voltage</li> <li>• 1 C/O contact composition</li> <li>• 5000000 cycle mechanical durability</li> <li>• 0.55A rated operational current</li> <li>• Silver alloy contact material</li> <li>• 60kA, 7200VA rated short-circuit making capacity</li> <li>• 6kA, 720VA rated breaking capacity</li> <li>• Amber fresnel polycarbonate lens</li> <li>• Yellow LED</li> </ul>

### Data Sheet 3

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/26/2026
Qty	Description
1	<p>Mfg: Schneider Electric: Manual Overload Reset Pushbutton Model Number: XB4BA922</p> <p>Tags/Service: RESET / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"><li>• Chromium plated metal bezel</li><li>• Zamak fixing collar material</li><li>• Black flush, unmarked operator profile</li><li>• 5.1...10.1" activating distance</li><li>• NEMA 4X degree of protection</li><li>• TH protective treatment</li></ul>

**Data Sheet 4**

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/26/2026
Qty	<u>Description</u>
1	<p>Mfg: Schneider Electric: 3 Position Switch, Black Model Number: 9001SKS43BH13</p> <p>Tags/Service: SS5205 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"><li>• Black standard knob operator profile</li><li>• Stay put operator</li><li>• 1 C/O contact composition</li><li>• NEMA 4X degree of protection</li></ul>

## Data Sheet 5

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/26/2026
Qty	Description
1	<p>Mfg: Square D: Main Circuit Breaker, 15A Model Number: BGL26015</p> <p>Tags/Service: CB5201 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"><li>• 15A line rated current</li><li>• 2 pole circuit breaker</li><li>• Toggle control type</li><li>• 65kA breaking capacity</li><li>• 65kA rated service breaking capacity</li><li>• Thermal-magnetic trip unit technology</li><li>• 80% continuous current rating</li><li>• 20000 cycle mechanical durability</li><li>• 10000 cycle electrical durability</li></ul>

## Data Sheet 6

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/26/2026
Qty	Description
1	<p>Mfg: Weidmuller: Circuit Breaker, 120VAC, 2A Model Number: 7940102572</p> <p>Tags/Service: CB5204 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"><li>• 120VAC operating voltage</li><li>• 2A current rating</li><li>• 10kA interrupting capacity</li><li>• 100MΩ insulation resistance</li><li>• 10000 mechanical operations operating life</li><li>• -40...65°C operating temperature range</li></ul>

## Data Sheet 7

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/26/2026
Qty	Description
1	<p>Mfg: Square D: NEMA Motor Starter / Overload Model Number: 8536-SAO11V02ES</p> <p>Tags/Service: M5205 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>• Non-reversing starter type</li> <li>• NEMA size 00</li> <li>• 9A rated current</li> <li>• 0.33HP at 115VAC</li> <li>• 120VAC 60 Hz coil voltage</li> <li>• Open enclosure type</li> </ul>
1	<p>Mfg: Square D: Thermal Motor Overload Model Number: B9.10</p> <p>Tags/Service: OL5201 / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>• Class 20 motor tripping class</li> <li>• Melting alloy thermal overload type</li> </ul>

## Data Sheet 9

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/26/2026
Qty	Description
1	<p>Mfg: Square D: Repeat Cycle Timer, 0.5 Sec to 999 Hours  Model Number: 9050JCK70V20</p> <p>Tags/Service:  RCT / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>• 120VAC operating voltage</li> <li>• 0.5 second to 999 hour programmable timing range</li> <li>• 3 VA power burden</li> <li>• 10 million mechanical operations operating life</li> <li>• 100,000 electrical operations operating life</li> <li>• Silver nickel contact material</li> </ul>
1	<p>Mfg: Square D: RELAY SOCKET, 120VAC, 11 PIN, DIN  Model Number: 8501NR61</p> <p>Tags/Service:  RCT / Secondary Fan Control Panel</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>• DIN rail mounted relay socket</li> <li>• Single tiered screw clamp terminal electrical connection</li> <li>• 15A rated at 300VAC</li> </ul>

**Data Sheet 10**

Customer:	Johnston Construction
Reference:	Charles County Pomonkey Pump Station Improvements
Date:	01/26/2026
Qty	Description
A/R	Mfg: Phoenix Contact: Terminal Block Model Number: 3044076
A/R	Mfg: Phoenix Contact: Grounding Terminal Block Model Number: 3044092
A/R	Mfg: Phoenix Contact: Terminal End Barrier Model Number: 3047028
A/R	Mfg: Phoenix Contact: Terminal Anchor Model Number: 0800886  Tags / Service: TB-AC / Secondary Fan Control Panel  Specifications: <ul style="list-style-type: none"><li>• Feed through and grounding terminals</li><li>• Screw clamps</li><li>• End plates and anchors</li><li>• DIN rail mount</li></ul>

## **CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS**

### **Drawings Index:**

<b>Drawing Number</b>	<b>Drawing Description</b>
D32384-50	POMONKEY PS SFAN CONTROL PANEL EXTERIOR PANEL LAYOUT
D32384-51	POMONKEY PS SFAN CONTROL PANEL INTERIOR PANEL LAYOUT
D32384-52	POMONKEY PS SFAN CONTROL PANEL 120VAC WIRING DIAGRAM

## **CHARLES COUNTY POMONKEY PUMP STATION IMPROVEMENTS**

Drawings: