



BROTHERS ELECTRIC CO., INC
P.O. Box 1221
Cary, North Carolina 27512
Phone # 919-787-5558 Fax # 919-787-5986

September 8, 2023

D. Clugston, Inc
2506 Reliance Ave.
Apex, NC 27539

Site: Serenity
Serenity Walk Pkwy
Fuquay Varina, NC 27625

No issues to report.

If you have any questions, please feel free to call.
Best regards,

Jeff Wheeler
President





Ground Tester Report

Date	Time
9/6/2023	1:33:53 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 33 53 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture A: Pump 1

Name	Date	Time
Object:2 Test:1 DC 2-Wire Auto	9/6/2023	1:33:53 PM
R + (Ohms) V Z-X + (V) I Z-X + (A)		
4.64	1.15	0.248
R - (Ohms) V Z-X - (V) I Z-X - (A)		
4.17	-1.03	-0.247
R (Ohms)		
4.4		
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)
---	0	---
		Test Voltage Output Limit (V)
		16



Ground Tester Report

Date	Time
9/6/2023	1:35:06 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 35 06 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture B: Pump 2

Name	Date	Time
Object:3 Test:1 DC 2-Wire Auto	9/6/2023	1:35:06 PM

R + (Ohms) V Z-X + (V) I Z-X + (A)		
4.41	1.09	0.248

R - (Ohms) V Z-X - (V) I Z-X - (A)		
4.39	-1.08	-0.247

R (Ohms)
4.4

R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:35:53 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 35 53 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture C: Pump 3

Name	Date	Time	
Object:3 Test:2 DC 2-Wire Auto	9/6/2023	1:35:53 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
3.9	0.964	0.247	
R - (Ohms) V Z-X - (V) I Z-X - (A)			
3.9	-0.959	-0.246	
R (Ohms)			
3.9			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:37:37 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 37 37 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture D: Niche Box

Name	Date	Time
Object:5 Test:1 DC 2-Wire Auto	9/6/2023	1:37:37 PM

R + (Ohms) V Z-X + (V) I Z-X + (A)		
3.92	0.969	0.247

R - (Ohms) V Z-X - (V) I Z-X - (A)		
3.92	-0.964	-0.246

R (Ohms)
3.92

R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:38:02 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 38 02 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture E: Niche Box

Name	Date	Time	
Object:6 Test:1 DC 2-Wire Auto	9/6/2023	1:38:02 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
4.08	1.01	0.247	
R - (Ohms) V Z-X - (V) I Z-X - (A)			
4.08	-1	-0.245	
R (Ohms)			
4.08			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:38:31 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 38 31 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture F: Handrail

Name	Date	Time	
Object:7 Test:1 DC 2-Wire Auto	9/6/2023	1:38:31 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
4	0.984	0.246	
R - (Ohms) V Z-X - (V) I Z-X - (A)			
3.97	-0.972	-0.245	
R (Ohms)			
3.98			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:38:48 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 38 48 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture G: Handrail

Name	Date	Time	
Object:8 Test:1 DC 2-Wire Auto	9/6/2023	1:38:48 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
3.95 0.969 0.246			
R - (Ohms) V Z-X - (V) I Z-X - (A)			
3.95 -0.964 -0.244			
R (Ohms)			
3.95			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:39:39 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 39 39 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture H: Handrail

Name	Date	Time
Object:9 Test:1 DC 2-Wire Auto	9/6/2023	1:39:39 PM

R + (Ohms)	V Z-X + (V)	I Z-X + (A)
4	0.981	0.245

R - (Ohms)	V Z-X - (V)	I Z-X - (A)
4.12	-1	-0.244

R (Ohms)
4.06

R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:40:05 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 40 05 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture I: Handrail

Name	Date	Time	
Object:10 Test:1 DC 2-Wire Auto	9/6/2023	1:40:05 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
3.94	0.966	0.245	
R - (Ohms) V Z-X - (V) I Z-X - (A)			
3.97	-0.965	-0.243	
R (Ohms)			
3.95			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:40:24 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 40 24 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture J: Handrail

Name	Date	Time
Object:11 Test:1 DC 2-Wire Auto	9/6/2023	1:40:24 PM

R + (Ohms) V Z-X + (V) I Z-X + (A)
3.97 0.97 0.245

R - (Ohms) V Z-X - (V) I Z-X - (A)
3.96 -0.963 -0.243

R (Ohms)
3.97

R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:40:45 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 40 45 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture K: Handrail

Name	Date	Time	
Object:12 Test:1 DC 2-Wire Auto	9/6/2023	1:40:45 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
4.01 0.979 0.244			
R - (Ohms) V Z-X - (V) I Z-X - (A)			
4.04 -0.979 -0.242			
R (Ohms)			
4.02			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:41:03 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 41 03 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture L: Handrail

Name	Date	Time	
Object:13 Test:1 DC 2-Wire Auto	9/6/2023	1:41:03 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
3.99	0.973	0.244	
R - (Ohms) V Z-X - (V) I Z-X - (A)			
3.97	-0.96	-0.242	
R (Ohms)			
3.98			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:41:23 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 41 23 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture M: Handrail

Name	Date	Time
Object:14 Test:1 DC 2-Wire Auto	9/6/2023	1:41:23 PM

R + (Ohms) V Z-X + (V) I Z-X + (A)		
4.14	1.01	0.244

R - (Ohms) V Z-X - (V) I Z-X - (A)		
3.95	-0.955	-0.242

R (Ohms)
4.05

R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	---	---	16



Ground Tester Report

Date	Time
9/6/2023	1:42:27 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 42 27 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture N: Handrail

Name	Date	Time
Object:15 Test:1 DC 2-Wire Auto	9/6/2023	1:42:27 PM
R + (Ohms) V Z-X + (V) I Z-X + (A)		
4.01	0.977	0.244
R - (Ohms) V Z-X - (V) I Z-X - (A)		
4.03	-0.974	-0.242
R (Ohms)		
4.02		
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)
---	0	---
		Test Voltage Output Limit (V)
		16



Ground Tester Report

Date	Time
9/6/2023	1:42:44 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 42 44 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture O: Handrail

Name	Date	Time	
Object:16 Test:1 DC 2-Wire Auto	9/6/2023	1:42:44 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
4.1	0.997	0.243	
R - (Ohms) V Z-X - (V) I Z-X - (A)			
3.96	-0.952	-0.24	
R (Ohms)			
4.03			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:44:08 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 44 08 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture P: Handrail

Name	Date	Time
Object:17 Test:1 DC 2-Wire Auto	9/6/2023	1:44:08 PM

R + (Ohms) V Z-X + (V) I Z-X + (A)		
4	0.973	0.243

R - (Ohms) V Z-X - (V) I Z-X - (A)		
4.01	-0.966	-0.241

R (Ohms)
4

R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:44:25 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 44 25 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture Q: Handrail

Name	Date	Time	
Object:18 Test:1 DC 2-Wire Auto	9/6/2023	1:44:25 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
4.03 0.979 0.243			
R - (Ohms) V Z-X - (V) I Z-X - (A)			
4 -0.962 -0.241			
R (Ohms)			
4.02			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:44:53 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 44 53 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture R: Niche Box

Name	Date	Time
Object:19 Test:1 DC 2-Wire Auto	9/6/2023	1:44:53 PM

R + (Ohms) V Z-X + (V) I Z-X + (A)
3.91 0.949 0.243

R - (Ohms) V Z-X - (V) I Z-X - (A)
3.91 -0.94 -0.24

R (Ohms)
3.91

R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:45:33 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 45 33 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture S: Handicap Lift

Name	Date	Time	
Object:20 Test:1 DC 2-Wire Auto	9/6/2023	1:45:33 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
4.16	1.01	0.243	
R - (Ohms) V Z-X - (V) I Z-X - (A)			
4.16	-1	-0.24	
R (Ohms)			
4.16			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:46:04 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 46 04 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture T: Handrail

Name	Date	Time
Object:21 Test:1 DC 2-Wire Auto	9/6/2023	1:46:04 PM
R + (Ohms) V Z-X + (V) I Z-X + (A)		
4.07 0.987 0.242		
R - (Ohms) V Z-X - (V) I Z-X - (A)		
3.95 -0.943 -0.239		
R (Ohms)		
4.01		
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)
---	0	---
		Test Voltage Output Limit (V)
		16

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Ground Tester Report

Date	Time
9/6/2023	1:46:41 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 46 41 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture U: Handrail

Name	Date	Time	
Object:22 Test:1 DC 2-Wire Auto	9/6/2023	1:46:41 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
4	0.968	0.242	
R - (Ohms) V Z-X - (V) I Z-X - (A)			
4.6	-1.1	-0.239	
R (Ohms)			
4.3			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16



Ground Tester Report

Date	Time
9/6/2023	1:47:03 PM

Test Date	9/6/2023
Instrument ID	Model 6472 Serial 7390 Firmware 2.8
Operator Name	
Site Name	Serenity
Site Address	Serenity Walk Parkway

Database: DC 2 Wire Auto 9 6 2023 1 47 03 PM.dvb

Operator	Test Site
Brothers Electric	Serenity
6002 Triangle Drive #B	Serenity Walk Parkway
Raleigh, NC 27617	Fuquay Varina, NC 27526
919-787-5558	

Comments
Fixture V: Handrail

Name	Date	Time	
Object:23 Test:1 DC 2-Wire Auto	9/6/2023	1:47:03 PM	
R + (Ohms) V Z-X + (V) I Z-X + (A)			
3.97	0.959	0.242	
R - (Ohms) V Z-X - (V) I Z-X - (A)			
4.02	-0.959	-0.239	
R (Ohms)			
3.99			
R Compensation (Ohms)	V Noise Z-X (V)	Freq Noise Z-X (Hz)	Test Voltage Output Limit (V)
---	0	---	16