



CONTACT: Mr. Ryan

E-MAIL ADDRESS

PHONE NUMBER:

Date:

PROJECT ID: Ez Express Car Wash (14965 Old Hickory Boulevard
Nashville,Tennessee 37211)

SCOPE: Electrical

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LABOUR HOURS	SUB COST LABOR	SUB COST MATERIAL	UNIT COST	TOTAL COST	TRADE COST
DIVISION 26- ELECTRICAL										
Light Plan										
1		2"x4" LED Architectural Troffer	17	EA	23.8	\$57.83		\$57.83	\$983.07	
2		2"x4" LED Panel	8	EA	7.4	\$37.99		\$37.99	\$303.88	
3		LED Wall Pack Wet Location	8	EA	7.6	\$83.94		\$83.94	\$671.51	
4		LED Surface Mounted Linear Fixture	2	EA	1.9	\$37.99		\$37.99	\$75.97	
5		Self Powered Exit Sign w/Remote Head	5	EA	6.0	\$51.73		\$51.73	\$258.63	
6		Self Powered Emergency light Dual Heads	2	EA	2.4	\$51.73		\$51.73	\$103.45	
7		Low Voltage Remote Head/Weatherproof	3	EA	3.6	\$51.73		\$51.73	\$155.18	
8		Single Pole Switch	1	EA	1.1	\$86.54		\$86.54	\$86.54	
9		3-Way Switch	2	EA	2.4	\$86.98		\$86.98	\$173.96	
10		Over Ride Off Switch	1	EA	2.3	\$180.00		\$180.00	\$180.00	
11		Single Pole Weather Proof Switch	4	EA	4.4	\$86.54		\$86.54	\$346.17	
12		Wall Mounted Motion Sensor Switch	6	EA	18.6	\$165.93		\$165.93	\$995.59	
13		Ceiling Mounted Motion Sensor Switch	1	EA	3.1	\$165.93		\$165.93	\$165.93	
Power Plan										
14		GFI Receptacle Weather Proof	8	EA	10.4	\$96.16		\$96.16	\$769.28	
15		Duplex Receptacle	30	EA	33.0	\$82.10		\$82.10	\$2,463.04	
16		GFI Receptacle	4	EA	5.2	\$96.16		\$96.16	\$384.64	
17		Junction Box	16	EA	42.9	\$198.32		\$198.32	\$3,173.16	
18		Double Duplex Receptacle	2	EA	4.1	\$152.37		\$152.37	\$304.74	
19		Non Fused Disconnect Switch	1	EA	1.3	\$74.37		\$74.37	\$74.37	
HVAC Power Plan										
20		Junction Box	12	EA	32.2	\$198.32		\$198.32	\$2,379.87	
21		GFI Weather Proof receptacle	1	EA	1.3	\$96.16		\$96.16	\$96.16	
22		2 Pole Motor Rated Switch	4	EA	6.9	\$127.88		\$127.88	\$511.51	
23		3 Pole Motor rated Switch	4	EA	11.0	\$202.69		\$202.69	\$810.78	
24		Single Pole Motor Rated Switch	2	EA	3.2	\$121.22		\$121.22	\$242.44	
25		Single Pole Weather Proof Motor Rated Switch	2	EA	3.2	\$121.22		\$121.22	\$242.44	
Site Plan										
26		Junction Box	35	EA	84.4	\$178.46		\$178.46	\$6,246.12	
27		Single Pole Switch Weather Proof	11	EA	12.9	\$86.54		\$86.54	\$951.97	
28		(60Amp,3P,480V) Disconnect Switch non fused	3	EA	3.8	\$74.37		\$74.37	\$223.11	
29		Motor	3	EA						
30		LED Full Cut Off Wall Pack	7	EA	56.0	\$469.97		\$469.97	\$3,289.81	
31		Disconnect Switch Fused	2	EA	8.4	\$182.82		\$182.82	\$365.64	
32		Meter	1	EA	1.3	\$73.53		\$73.53	\$73.53	
Panels										
RP1										
33		250Amp Surface Mounted 208/120V,3P,4W	1	EA	20.9	\$1,555.86		\$1,555.86	\$1,555.86	
Circuit Breaker										
34		20Amp,Single Pole, Arc Fault Circuit Breaker	34	EA	10.2	\$17.85		\$17.85	\$606.90	
35		20Amp,2 Pole, Arc Fault Circuit Breaker	3	EA	1.2	\$23.80		\$23.80	\$71.40	
36		30 Amp,2 Pole, Arc Fault Circuit Breaker	1	EA	0.4	\$23.80		\$23.80	\$23.80	
RP2										
37		250A Surface Mounted,208/120V,3P,4W	1	EA	20.9	\$1,555.86		\$1,555.86	\$1,555.86	
Circuit Breaker										
38		20Amp,2 Pole, Arc Fault Circuit Breaker	1	EA	0.4	\$23.80		\$23.80	\$23.80	
39		20Amp,Single Pole, Arc Fault Circuit Breaker	34	EA	10.2	\$17.85		\$17.85	\$606.90	
40		30Amp,Single Pole, Arc Fault Circuit Breaker	6	EA	1.8	\$17.85		\$17.85	\$107.10	
LP										
41		600A, Surface Mounted,480/227V,3P,4W	1	EA	30.1	\$2,240.72		\$2,240.72	\$2,240.72	
Circuit Breaker										
42		20Amp,3 Pole, Arc Fault Circuit Breaker	3	EA	1.5	\$29.75		\$29.75	\$89.25	
43		20Amp,Single Pole, Arc Fault Circuit Breaker	9	EA	2.7	\$17.85		\$17.85	\$160.65	
44		25Amp,3 Pole, Arc Fault Circuit Breaker	2	EA	1.0	\$29.75		\$29.75	\$59.50	
45		15Amp,3 Pole, Arc Fault Circuit Breaker	3	EA	1.5	\$29.75		\$29.75	\$89.25	
46		80 Amp,3 Pole, Arc Fault Circuit Breaker	1	EA	0.5	\$29.75		\$29.75	\$29.75	
47		125Amp,3 Pole, Arc Fault Circuit Breaker	1	EA	0.5	\$29.75		\$29.75	\$29.75	
MCC-1										
48		600A,480/277V,3P,4W	1	EA	30.1	\$2,240.72		\$2,240.72	\$2,240.72	
Circuit Breaker										
49		15 Amp,3P,Arc Fault Circuit Breaker	7	EA	3.5	\$29.75		\$29.75	\$208.25	
50		40 Amp,3P,Arc Fault Circuit Breaker	14	EA	7.0	\$29.75		\$29.75	\$416.50	
51		20 Amp,3P,Arc Fault Circuit Breaker	5	EA	2.5	\$29.75		\$29.75	\$148.75	
52		Disconnect Switch Non Fused	26	EA	32.5	\$74.37		\$74.37	\$1,933.62	
Service Grounding										
53		3/4" Dia x10'L Copper Ground Rod	3	EA	3.0	\$59.49		\$59.49	\$178.47	
54		Single Phase #2 Supply Side Jumper	4	EA	2.4	\$35.70		\$35.70	\$142.80	
55		Bonding Jumper	5	EA	3.0	\$35.70		\$35.70	\$178.50	
56		#3/0 Copper Grounding Electrode Conductor	102.79	CLF	248.8	\$105.44		\$105.44	\$10,838.18	
57		Metal Service Wire Way	32.2	LF	5.7	\$7.74		\$7.74	\$249.23	
Feeder										

CONTRACTOR INFORMATION:

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Nashville, Tennessee 37211)

SCOPE: Electrical

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LABOUR HOURS	SUB COST LABOR	SUB COST MATERIAL	UNIT COST	TOTAL COST	TRADE COST
58		3 Phase #250kCMIL	2	EA	0.6	\$157.00		\$157.00	\$314.00	
59		2 Sets Each @ 3 Phase #350kCMIL copper in 2-4" Conduit	8	EA	2.5	\$184.43		\$184.43	\$1,475.44	
60		4 Sets Each @ 3 Phase #350kCMIL copper in 4-4" PVC & 2-4" PVC Spare	4	EA	3.6	\$53.54		\$53.54	\$214.16	
		Ground								
61		1#4 Ground	10	LF	0.1	\$0.31		\$0.31	\$3.07	
62		1#6 Ground	8	LF	0.0	\$0.30		\$0.30	\$2.38	
63		1#1 Ground	28	LF	0.3	\$0.59		\$0.59	\$16.66	
64		(1) # 8 Ground	480	LF	2.3	\$0.28		\$0.28	\$135.64	
65		(1) # 12 Ground	390	LF	1.7	\$0.25		\$0.25	\$98.61	
		Conduit								
66		(4)4" Conduit	20	LF	4.0	\$8.73		\$8.73	\$174.60	
67		(2)4" Conduit	50	LF	10.0	\$8.73		\$8.73	\$436.50	
68		1 1/2" Conduit	10	LF	2.0	\$8.73		\$8.73	\$87.30	
69		3/4" Conduit Pipe	390	LF	23.4	\$3.00		\$3.00	\$1,170.00	
70		2-1/2" Conduit Pipe	10	LF	1.0	\$4.01		\$4.01	\$40.10	
71		1" Conduit Pipe	480	LF	33.6	\$3.04		\$3.04	\$1,459.20	
72		(3)1" Conduit Pipe	15	LF	1.1	\$3.04		\$3.04	\$45.60	
73		Dry Type transformer"1" 75KVA; 480-280/120V,3P	1	EA	22.9	\$1,004.00		\$1,004.00	\$1,004.00	
74		600Amp Service Disconnect Switch Fuses	2	EA	22.6	\$529.59		\$529.59	\$1,059.18	



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Labor Cost										\$58,624
Light Plan										
75		2"x4" LED Architectural Troffer	17	EA			\$111.84	\$111.84	\$1,901.30	
76		2"x4" LED Panel	8	EA			\$137.74	\$137.74	\$1,101.92	
77		LED Wall Pack Wet Location	8	EA			\$102.24	\$102.24	\$817.90	
78		LED Surface Mounted Linear Fixture	2	EA			\$137.74	\$137.74	\$275.48	
79		Self Powered Exit Sign w/Remote Head	5	EA			\$88.05	\$88.05	\$440.23	
80		Self Powered Emergency light Dual Heads	2	EA			\$78.35	\$78.35	\$156.69	
81		Low Voltage Remote Head/Weatherproof	3	EA			\$84.17	\$84.17	\$252.50	
82		Single Pole Switch	1	EA			\$38.15	\$38.15	\$38.15	
83		3-Way Switch	2	EA			\$44.30	\$44.30	\$88.60	
84		Over Ride Off Switch	1	EA			\$47.47	\$47.47	\$47.47	
85		Single Pole Weather Proof Switch	4	EA			\$50.76	\$50.76	\$203.04	
86		Wall Mounted Motion Sensor Switch	6	EA			\$176.54	\$176.54	\$1,059.24	
87		Ceiling Mounted Motion Sensor Switch	1	EA			\$176.54	\$176.54	\$176.54	
Power Plan										
88		GFI Receptacle Weather Proof	8	EA			\$54.32	\$54.32	\$434.56	
89		Duplex Receptacle	30	EA			\$31.26	\$31.26	\$937.89	
90		GFI Receptacle	4	EA			\$47.94	\$47.94	\$191.75	
91		Junction Box	16	EA			\$41.56	\$41.56	\$665.03	
92		Double Duplex Receptacle	2	EA			\$117.01	\$117.01	\$234.02	
93		Non Fused Disconnect Switch	1	EA			\$1,248.00	\$1,248.00	\$1,248.00	
HVAC Power Plan										
94		Junction Box	12	EA			\$41.56	\$41.56	\$498.77	
95		GFI Weather Proof receptacle	1	EA			\$54.32	\$54.32	\$54.32	
96		2 Pole Motor Rated Switch	4	EA			\$381.21	\$381.21	\$1,524.84	
97		3 Pole Motor rated Switch	4	EA			\$915.68	\$915.68	\$3,662.72	
98		Single Pole Motor Rated Switch	2	EA			\$335.62	\$335.62	\$671.24	
99		Single Pole Weather Proof Motor Rated Switch	2	EA			\$335.62	\$335.62	\$671.24	
Site Plan										
100		Junction Box	35	EA			\$81.48	\$81.48	\$2,851.80	
101		Single Pole Switch Weather Proof	11	EA			\$50.76	\$50.76	\$558.36	
102		(60Amp,3P,480V) Disconnect Switch non fused	3	EA			\$1,248.00	\$1,248.00	\$3,744.00	
103		Motor	3	EA						
104		LED Full Cut Off Wall Pack	7	EA			\$368.60	\$368.60	\$2,580.20	
105		Disconnect Switch Fused	2	EA			\$243.47	\$243.47	\$486.94	
106		Meter	1	EA			\$1,430.75	\$1,430.75	\$1,430.75	
Panels										
RP1										
107		250Amp Surface Mounted 208/120V,3P,4W	1	EA			\$502.32	\$502.32	\$502.32	
Circuit Breaker										
108		20Amp,Single Pole, Arc Fault Circuit Breaker	34	EA			\$175.76	\$175.76	\$5,975.84	
109		20Amp,2 Pole, Arc Fault Circuit Breaker	3	EA			\$423.64	\$423.64	\$1,270.92	
110		30 Amp,2 Pole, Arc Fault Circuit Breaker	1	EA			\$423.64	\$423.64	\$423.64	
RP2										
111		250A Surface Mounted,208/120V,3P,4W	1	EA			\$502.32	\$502.32	\$502.32	
Circuit Breaker										
112		20Amp,2 Pole, Arc Fault Circuit Breaker	1	EA			\$423.64	\$423.64	\$423.64	
113		20Amp,Single Pole, Arc Fault Circuit Breaker	34	EA			\$175.76	\$175.76	\$5,975.84	
114		30Amp,Single Pole, Arc Fault Circuit Breaker	6	EA			\$175.76	\$175.76	\$1,054.56	
LP										
115		600A, Surface Mounted,480/227V,3P,4W	1	EA			\$560.56	\$560.56	\$560.56	
Circuit Breaker										
116		20Amp,3 Pole, Arc Fault Circuit Breaker	3	EA			\$554.30	\$554.30	\$1,662.90	
117		20Amp,Single Pole, Arc Fault Circuit Breaker	9	EA			\$175.76	\$175.76	\$1,581.84	
118		25Amp,3 Pole, Arc Fault Circuit Breaker	2	EA			\$554.30	\$554.30	\$1,108.60	
119		15Amp,3 Pole, Arc Fault Circuit Breaker	3	EA			\$554.30	\$554.30	\$1,662.90	
120		80 Amp,3 Pole, Arc Fault Circuit Breaker	1	EA			\$656.00	\$656.00	\$656.00	
121		125Amp,3 Pole, Arc Fault Circuit Breaker	1	EA			\$656.00	\$656.00	\$656.00	
MCC-1										
122		600A,480/277V,3P,4W	1	EA			\$560.56	\$560.56	\$560.56	
Circuit Breaker										
123		15 Amp,3P,Arc Fault Circuit Breaker	7	EA			\$554.30	\$554.30	\$3,880.10	
124		40 Amp,3P,Arc Fault Circuit Breaker	14	EA			\$554.30	\$554.30	\$7,760.20	
125		20 Amp,3P,Arc Fault Circuit Breaker	5	EA			\$554.30	\$554.30	\$2,771.50	
126		Disconnect Switch Non Fused	26	EA			\$1,248.00	\$1,248.00	\$32,448.00	
Service Grounding										
127		3/4" Dia x10'L Copper Ground Rod	3	EA			\$36.50	\$36.50	\$109.50	
128		Single Phase #2 Supply Side Jumper	4	EA			\$138.32	\$138.32	\$553.28	
129		Bonding Jumper	5	EA			\$138.32	\$138.32	\$691.60	
130		#3/0 Copper Grounding Electrode Conductor	102.79	CLF			\$356.64	\$356.64	\$36,659.03	
131		Metal Service Wire Way	32.2	LF			\$21.16	\$21.16	\$681.35	
Feeder										

CONTRACTOR INFORMATION:

CONTACT: Mr. Ryan

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SCOPE: Electrical

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LABOUR HOURS	SUB COST LABOR	SUB COST MATERIAL	UNIT COST	TOTAL COST	TRADE COST
132		3 Phase #250kCMIL	2	EA			\$3,345.00	\$3,345.00	\$6,690.00	
133		2 Sets Each @ 3 Phase #350kCMIL copper in 2-4" Conduit	8	EA			\$4,035.20	\$4,035.20	\$32,281.60	
134		4 Sets Each @ 3 Phase #350kCMIL copper in 4-4" PVC & 2-4" PVC Spare	4	EA			\$1,352.00	\$1,352.00	\$5,408.00	
		Ground								
135		1#4 Ground	10	LF			\$1.74	\$1.74	\$17.37	
136		1#6 Ground	8	LF			\$1.11	\$1.11	\$8.90	
137		1#1 Ground	28	LF			\$3.54	\$3.54	\$99.01	
138		(1) # 8 Ground	480	LF			\$0.59	\$0.59	\$282.55	
139		(1) # 12 Ground	390	LF			\$0.23	\$0.23	\$88.42	
		Conduit								
140		(4)4" Conduit	20	LF			\$15.55	\$15.55	\$311.00	
141		(2)4" Conduit	50	LF			\$15.55	\$15.55	\$777.50	
142		1 1/2" Conduit	10	LF			\$15.55	\$15.55	\$155.50	
143		3/4" Conduit Pipe	390	LF			\$2.25	\$2.25	\$877.50	
144		2-1/2" Conduit Pipe	10	LF			\$3.24	\$3.24	\$32.40	
145		1" Conduit Pipe	480	LF			\$2.76	\$2.76	\$1,324.80	
146		(3)1" Conduit Pipe	15	LF			\$2.76	\$2.76	\$41.40	
147		Dry Type transformer "T1" 75KVA; 480-280/120V, 3P	1	EA			\$6,608.00	\$6,608.00	\$6,608.00	
148		600Amp Service Disconnect Switch Fuses	2	EA			\$2,832.40	\$2,832.40	\$5,664.80	
		Material Cost								\$199,807
		Subtotal (Electrical)								\$258,432
TOTAL LABOR COST									\$58,624.44	
TOTAL MATERIAL COST									\$199,807.27	
SUBTOTAL										\$258,431.70
OVERHEAD 20%										\$51,686.34
INSURANCE 3%										\$7,752.95
CONTINGENCY 5%										\$12,921.59
TOTAL BASE BID										\$330,792.58
Note:										