

FLIP PRO ESTIMATRIX

PRECISION IN EVERY ESTIMATE

ITEM #	REF. SHEET	DETAIL	CSI SECT	Sub Contractor	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	TOTAL LABOR HOURS	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST	UNIT ITEM COST WITH MARKUPS	TOTAL ITEM COST WITH MARKUPS
Sub-Total (\$ 722,220)																			
Material Sales Tax (\$ 38,496) (Adjust the percentage for Material tax as required)																			
Overhead & Profit / Inflation (Material) 10% (\$ 44,789) (Adjust the percentage for Overhead & Profit as required)																			
Overhead & Profit Labor 14% (\$ 38,476) (Adjust the percentage for Overhead & Profit as required)																			
Bond Fee (\$ 1,436) (Adjust the percentage for Bond Fee as required)																			
Total Bid (\$ 856,528)																			
Material Waiver 1 0% (For Quantities in Each & LS)																			
Material Waiver 2 5% (For Quantities in LS, ST, CL, LB, TONS)																			
(Changing the wastage percentages here will update the wastage for whole tab)																			
To change hourly rates for any trade please go to "Hourly Rates" Tab																			
Date: 4/5/19																			
Project: Wanamaker Elementary School Addition and Renovation																			
Project Location: 6630 SW 10th Ave., Topeka, KS 66615																			
Project and Wage Type: Private (Non-Prevailing wage)																			
Gross Internal Area of Structure (SF) 65,197																			
Covered Area of Structure (SA) 66,183																			
No. of Units																			
No. of Floors and Overall Height (FT) 0'-0"																			
Hardscaping Area (SF)																			
Softscaping Area (SF)																			
To change hourly rates for any trade please go to "Hourly Rates" Tab																			
ITEM #	REF. SHEET	DETAIL	CSI SECT	Sub Contractor	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	TOTAL LABOR HOURS	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST	UNIT ITEM COST WITH MARKUPS	TOTAL ITEM COST WITH MARKUPS
																		\$ 48,352	
General Requirements					Plum Design And Permitting														
1		DIY-	01	General Requirements	Architecture (Assumed By Owner)	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
2		DIY-	01	General Requirements	Engineering (Assumed By Owner)	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
3		DIY-	01	General Requirements	Surveying	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
4		DIY-	01	General Requirements	Soils Report (Assumed By Owner)	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
5		DIY-	01	General Requirements	Geological Report (Assumed By Owner)	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
6		DIY-	01	General Requirements	Concrete Testing	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ 2,376.00)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
7		DIY-	01	General Requirements	Permit Fee	(1)	(1)	(1)	LS	35.941	(35.941)	66.1 (\$ -)	(-)	(\$ 2,376.00)	(\$ 2,376.00)	(\$ 2,376.00)	(\$ 2,376.00)	(\$ 2,376.00)	(\$ 2,376.00)
8		DIY-	01	General Requirements	Permits (Based On Interior Finish Area)	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
9		DIY-	01	General Requirements	Plan Coordination	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
10		DIY-	01	General Requirements	Roof Inspection	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
11		DIY-	01	General Requirements	Inspections (77 Pages)	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
12		DIY-	01	General Requirements	Utilities During Construction (Based On Interior Finish Area)	(1)	(1)	(1)	LS	23.609	(23.609)	66.1 (\$ 1,564.11)	(\$ 1,564.11)	(\$ 1,564.11)	(\$ 1,564.11)	(\$ 1,564.11)	(\$ 1,564.11)	(\$ 1,564.11)	(\$ 1,564.11)
13		DIY-	01	General Requirements	Port-O-Potty (Based On Interior Finish Area)	(1)	(1)	(1)	LS	21.113	(21.113)	66.1 (\$ 1,395.88)	(\$ 1,395.88)	(\$ 1,395.88)	(\$ 1,395.88)	(\$ 1,395.88)	(\$ 1,395.88)	(\$ 1,395.88)	(\$ 1,395.88)
14		DIY-	01	General Requirements	Temporary Power (Based On Interior Finish Area)	(1)	(1)	(1)	LS	13.988	(13.988)	66.1 (\$ 918.11)	(\$ 918.11)	(\$ 918.11)	(\$ 918.11)	(\$ 918.11)	(\$ 918.11)	(\$ 918.11)	(\$ 918.11)
General Requirements					Equipment And Tools														
15		DIY-	01	General Requirements	Tool Rentals	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
16		DIY-	01	General Requirements	Tool Shed	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
17		DIY-	01	General Requirements	Dust Control	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
18		DIY-	01	General Requirements	Vac. Water, Beverages	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
19		DIY-	01	General Requirements	Garbage Dumpster / Trash Containers	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
20		DIY-	01	General Requirements	Modifications (Temporary Control & Facilities)	(1)	(1)	(1)	LS	213.590	(213.590)	66.1 (\$ 14,120.40)	(\$ 14,120.40)	(\$ 14,120.40)	(\$ 14,120.40)	(\$ 14,120.40)	(\$ 14,120.40)	(\$ 14,120.40)	(\$ 14,120.40)
General Requirements					Storage And Promotion														
21		DIY-	01	General Requirements	Job Signs	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
22		DIY-	01	General Requirements	Job Photos	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
23		DIY-	01	General Requirements	Signage	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
24		DIY-	01	General Requirements	Promotion/Entertainment	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
25		DIY-	01	General Requirements	Misc.	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
General Requirements					Cleaning And Final														
26		DIY-	01	General Requirements	Trash	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
27		DIY-	01	General Requirements	Paint Cleaning	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
28		DIY-	01	General Requirements	Window Washing (Rough # Of Windows)	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
29		DIY-	01	General Requirements	Punch List Items	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
General Requirements					Bonds, Insurance, Legal														
30		DIY-	01	General Requirements	Casualty Insurance	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
31		DIY-	01	General Requirements	Medical Insurance	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
32		DIY-	01	General Requirements	General Liability Insurance	(1)	(1)	(1)	LS	(-)	(-)	66.1 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
General Requirements					Project Management & Supervision														
33		DIY-	01	General Requirements	Project Management & Supervision	(1)	(1)	(1)	LS	308.063	(308.063)	66.1 (\$ 20,365.99)	(\$ 20,365.99)	(\$ 20,365.99)	(\$ 20,365.99)	(\$ 20,365.99)	(\$ 20,365.99)	(\$ 20,365.99)	(\$ 20,365.99)
																		\$ 34,250	
General Requirements					Demolition														
34	E102	E102	DIY-	Demo - Building	Remove Existing Concrete	(250)	5%	(262.5)	0'-0" CY	2.500	(2.500)	44.0 (\$ 110.00)	(\$ 110.00)	(\$ -)	(\$ -)	(\$ 110.00)	(\$ 110.00)	(\$ 110.00)	(\$ 110.00)
35	E102	E102	DIY-	Demo - Building	Saw Cut	(250)	5%	(262.5)	26' LF	0.300	(0.300)	44.0 (\$ 13.20)	(\$ 13.20)	(\$ -)	(\$ -)	(\$ 13.20)	(\$ 13.20)	(\$ 13.20)	(\$ 13.20)
36	E101	E101	DIY-	Demo - Building	Remove Existing Window	(540)	5%	(570.7)	17' LF	0.000	(0.000)	44.0 (\$ 54.00)	(\$ 54.00)	(\$ -)	(\$ -)	(\$ 54.00)	(\$ 54.00)	(\$ 54.00)	(\$ 54.00)
37	E101	E101	DIY-	Demo - Building	Remove Existing Electrical Service	(1)	(1)	(1)	TA	8.000	(8.000)	44.0 (\$ 352.00)	(\$ 352.00)	(\$ -)	(\$ -)	(\$ 352.00)	(\$ 352.00)	(\$ 352.00)	(\$ 352.00)
38	E101	E101	DIY-	Demo - Building	Remove Existing 800A Wp Mts	(1)	(1)	(1)	TA	6.000	(6.000)	44.0 (\$ 264.00)	(\$ 264.00)	(\$ -)	(\$ -)	(\$ 264.00)	(\$ 264.00)	(\$ 264.00)	(\$ 264.00)
39	E101	E101	DIY-	Demo - Building	Remove Existing 800A Wp Mts	(1)	(1)	(1)	TA	12.000	(12.000)	44.0 (\$ 528.00)	(\$ 528.00)	(\$ -)	(\$ -)	(\$ 528.00)	(\$ 528.00)	(\$ 528.00)	(\$ 528.00)
40	E101	E101	DIY-	Demo - Building	Remove Existing 2" X 4" Light	(100)	(100)	(100)	TA	0.800	(0.800)	44.0 (\$ 35.20)	(\$ 35.20)	(\$ -)	(\$ -)	(\$ 35.20)	(\$ 35.20)	(\$ 35.20)	(\$ 35.20)
41	E101	E101	DIY-	Demo - Building	Remove Existing 2" X 4" Light	(60)	(60)	(60)	TA	0.800	(0.800)	44.0 (\$ 35.20)	(\$ 35.20)	(\$ -)	(\$ -)	(\$ 35.20)	(\$ 35.20)	(\$ 35.20)	(\$ 35.20)
42	E101	E101	DIY-	Demo - Building	Remove Existing 2" X 4" Light	(40)	(40)	(40)	TA	0.800	(0.800)	44.0 (\$ 35.20)	(\$ 35.20)	(\$ -)	(\$ -)	(\$ 35.20)	(\$ 35.20)	(\$ 35.20)	(\$ 35.20)
43	E101	E101	DIY-	Demo - Building	Remove Existing 2" X 4" Light	(40)	(40)	(40)	TA	0.800	(0.800)	44.0 (\$ 35.20)	(\$ 35.20)	(\$ -)	(\$ -)	(\$ 35.20)	(\$ 35.20)	(\$ 35.20)	(\$ 35.20)
44	E101	E101	DIY-	Demo - Building	Remove Existing 2" X 4" Light	(1)	(1)	(1)	TA	1.200	(1.200)	44.0 (\$ 52.80)	(\$ 52.80)	(\$ -)	(\$ -)	(\$ 52.80)	(\$ 52.80)	(\$ 52.80)	(\$ 52.80)
45	E101	E101	DIY-	Demo - Building	Remove Existing 2" X 4" Light	(19)	(19)	(19)	TA	0.600	(0.600)	44.0 (\$ 26.40)	(\$ 26.40)	(\$ -)	(\$ -)	(\$ 26.40)	(\$ 26.40)	(\$ 26.40)	(\$ 26.40)
46	E101	E101	DIY-	Demo - Building	Remove Existing Ceiling Mounted Junction Box	(7)	(7)	(7)	TA	1.500	(1.500)	44.0 (\$ 66.00)	(\$ 66.00)	(\$ -)	(\$ -)	(\$ 66.00)	(\$ 66.00)	(\$ 66.00)	(\$ 66.00)
47	E101	E101	DIY-	Demo - Building	Remove Existing 2" X 4" Light	(1)	(1)	(1)	TA	4.000	(4.000)	44.0 (\$ 176.00)	(\$ 176.00)	(\$ -)	(\$ -)	(\$ 176.00)	(\$ 176.00)	(\$ 176.00)	(\$ 176.00)
48	E101	E101	DIY-	Demo - Building	Remove Existing 2" X 4" Light	(1)	(1)	(1)	TA	4.000	(4.000)	44.0 (\$ 176.00)	(\$ 176.00)	(\$ -)	(\$ -)	(\$ 176.00)	(\$ 176.00)	(\$ 176.00)	(\$ 176.00)
49	E101	E101	DIY-	Demo - Building	Remove Existing Disconnect Switch	(4)	(4)	(4)	TA	2.000	(2.000)	44.0 (\$ 88.00)	(\$ 88.00)	(\$ -)	(\$ -)	(\$ 88.00)	(\$ 88.00)	(\$ 88.00)	(\$ 88.00)
50	E101	E101	DIY-	Demo - Building	Remove Existing P1 Panel	(1)	(1)	(1)	TA	4.000	(4.000)	44.0 (\$ 176.00)	(\$ 176.00)	(\$ -)	(\$ -)	(\$ 176.00)	(\$ 176.00)	(\$ 176.00)	(\$ 176.00)
51	E101	E101	DIY-	Demo - Building	Replace Existing Sum Pump And Associated Electrical In Basement	(1)	(1)	(1)	TA	6.000	(6.000)	44.0 (\$ 264.00)	(\$ 264.00)	(\$ -)	(\$ -)	(\$ 264.00)	(\$ 264.00)	(\$ 264.00)	(\$ 264.00)
52	E101	E101	DIY-	Demo - Building	Remove Existing Visible Notification Device	(2)	(2)	(2)	TA	1.200	(1.200)	44.0 (\$ 52.80)	(\$ 52.80)	(\$ -)	(\$ -)	(\$ 52.80)	(\$ 52.80)	(\$ 52.80)	(\$ 52.80)
53	E101	E101	DIY-	Demo - Building	Remove Existing Manual Pull Station	(2)	(2)	(2)	TA	1.200	(1.200)	44.0 (\$ 52.80)	(\$ 52.80)	(\$ -)	(\$ -)	(\$ 52.80)	(\$ 52.80)	(\$ 52.80)	(\$ 52.80)
54	E101	E101	DIY-	Demo - Building	Remove Existing Wall Light	(4)	(4)	(4)	TA	0.950	(0.950)	44.0 (\$ 41.80)	(\$ 41.80)	(\$ -)	(\$ -)	(\$ 41.80)	(\$ 41.80)	(\$ 41.80)	(\$ 41.80)
55	E101	E101	DIY-	Demo - Building	Remove Existing Wire Mold	(20)	5%	(21.0)	17'	0.000	(0.000)	44.0 (\$ -)	(-)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)	(\$ -)
56	E101	E101	DIY-	Demo - Building	Remove Existing P1 Surge Suppressor	(1)	(1)	(1)	TA	2.120	(2.120)	44.0 (\$ 93.28)	(\$ 93.28)	(\$ -)	(\$ -)	(\$ 93.28)	(\$ 93.28)	(\$ 93.28)	(\$ 93.28)
57	E101	E101	DIY-	Demo - Building	Remove Existing Unit Heater	(5)	(5)	(5)	TA	2.000	(2.000)	44.0 (\$ 88.00)	(\$ 88.00)	(\$ -)	(\$ -)	(\$ 88.00)	(\$ 88.00)	(\$ 88.00)	(\$ 88.00)
58	E101	E101	DIY-	Demo - Building	Remove Existing Ceiling Mounted Smoke Detector	(1)	(1)	(1)	TA	0.750	(0.750)	44.0 (\$ 33.00)	(\$ 33.00)	(\$ -)	(\$ -)	(\$ 33.00)	(\$ 33.00)	(\$ 33.00)	(\$

ITEM #	REF. SHEET	DETAIL	CU SECT	Sub Contractor	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	TOTAL LABOR HOURS	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST	UNIT ITEM COST WITH MARKUPS	TOTAL ITEM COST WITH MARKUPS	
112	E101-E103	E101-E103	DEV-26	Electrician	Qual Technology Wall Mounted Motion Sensor Switch Model: Dwe-100	(5)	(5)	(5)	EA	1.235	6.1805	64.30 (\$	397.115 (\$	157.305 (\$	786.605 (\$	1,184 (\$		\$5	241.360 (\$	4,400 (\$
113	E101-E103	E101-E103	DEV-26	Electrician	20' Light Switch	(1)	(1)	(1)	A	0.000	0.0005	64.30 (\$	12.215 (\$	41.415 (\$	41.415 (\$	70 (\$		\$5	48.630 (\$	80 (\$
114	E101-E103	E101-E103	DEV-26	Electrician	Ceiling Mounted Motion Switch	(1)	(1)	(1)	A	0.056	0.0605	64.30 (\$	55.005 (\$	97.705 (\$	97.705 (\$	153 (\$		\$5	149.220 (\$	253 (\$
115	E101-E103	E101-E103	DEV-26	Electrician	Magnetic Lock Switch	(1)	(1)	(1)	A	0.750	0.7505	64.30 (\$	48.235 (\$	81.415 (\$	81.415 (\$	130 (\$		\$5	138.950 (\$	236 (\$
116	E102-E103	E102-E103	DEV-26	Electrician	Wire	(103)	(103)	(103)	A	0.351	36.26 (\$	64.30 (\$	2,333.3 (\$	24.0 (\$	2,407.2 (\$	4,801 (\$		\$5	55.13 (\$	1,630 (\$
117	E102-E103	E102-E103	DEV-26	Electrician	Ceiling Mounted Junction Box 2' Long Floor Box 18" x 18" x 2" Duplex Receptacle (1 ea)	(2)	(2)	(2)	A	0.300	0.6005	64.30 (\$	38.615 (\$	30.0 (\$	21.71 (\$	60 (\$		\$5	35.360 (\$	74 (\$
118	E102	E102	DEV-26	Electrician	Quake Counter (1 ea) Manufacturer: Street City Model: G55-C Cover Plate: 4x4 Nominal Drive	(1)	(1)	(1)	EA	2.530	2.5305	64.30 (\$	162.73 (\$	265.0 (\$	265.0 (\$	428 (\$		\$5	507.22 (\$	907 (\$
119	E101	E101	DEV-26	Electrician	Name 4x Junction Box	(1)	(1)	(1)	E	0.425	0.43 (\$	64.30 (\$	27.3 (\$	65.11 (\$	65.11 (\$	92 (\$		\$5	105.98 (\$	178 (\$
120	E102	E102	DEV-26	Electrician	2x1-2 Electric Unit Heater Manufacturer: Berko Model: P1050	(1)	(1)	(1)	A	1.230	1.23 (\$	64.30 (\$	79.1 (\$	119.4 (\$	119.4 (\$	198 (\$		\$5	235.18 (\$	393 (\$
121	E102	E102	DEV-26	Electrician	Interactive Display	(1)	(1)	(1)	EA	4.000	4.0005	64.30 (\$	257.23 (\$	988.40 (\$	988.3 (\$	1,487 (\$		\$5	1,487.20 (\$	2,487 (\$
122	E102-E103	E102-E103	DEV-26	Electrician	Note: Provide By Owner And Installed By Contractor	(14)	(14)	(14)	EA	1.500	21.00 (\$	64.30 (\$	1,350.3 (\$	- (\$	- (\$	1,350 (\$		\$5	111.60 (\$	1,962 (\$
123	E103	E103	DEV-26	Electrician	Master	(1)	(1)	(1)	EA	2.560	2.5605	64.30 (\$	164.6 (\$	350.0 (\$	350.0 (\$	515 (\$		\$5	611.76 (\$	611 (\$
124	E103	E103	DEV-26	Electrician	Picture Generator 300W Generator	(1)	(1)	(1)	EA	62.000	62.0005	64.30 (\$	3,986.6 (\$	86,000.0 (\$	86,000.0 (\$	89,987 (\$		\$5	106,116.97 (\$	106,117 (\$
125			DEV-26	Electrician	Grounding Bar 3/4" Dia Ground Rods Note: Assumed Length (10' 0")	(3)	(3)	(3)	EA	0.425	1.28 (\$	64.30 (\$	82.0 (\$	52.4 (\$	157.3 (\$	239 (\$		\$5	94.63 (\$	284 (\$
126	E102	E102	DEV-26	Electrician	Panel P-Panel Valt-208/120, 3P, 4W Amp-225 Manufacturer: Eaton Pow-R-Line 1X Or Equal	(1)	(1)	(1)	EA	4.625	4.6305	64.30 (\$	297.4 (\$	1,452.0 (\$	1,452.0 (\$	1,749 (\$		\$5	2,049.88 (\$	2,049 (\$
127	E101	E101	DEV-26	Electrician	Panel Amp-400 Manufacturer: Eaton Pow-R-Line 1X Or Equal	(1)	(1)	(1)	EA	8.120	8.1215	64.30 (\$	522.11 (\$	2,895.0 (\$	2,895.0 (\$	3,417 (\$		\$5	4,088.83 (\$	4,089 (\$
128	E101	E101	DEV-26	Electrician	Panel Valt-208/120, 3P, 4W Amp-225 Manufacturer: Eaton Pow-R-Line 1X Or Equal	(1)	(1)	(1)	EA	4.625	4.6305	64.30 (\$	297.4 (\$	1,452.0 (\$	1,452.0 (\$	1,749 (\$		\$5	2,049.88 (\$	2,049 (\$
129	E102	E102	DEV-26	Electrician	Panel Valt-208/120, 3P, 4W Amp-225 Manufacturer: Eaton Pow-R-Line 1X Or Equal	(1)	(1)	(1)	EA	18.000	18.0005	64.30 (\$	1,157.4 (\$	24,530.0 (\$	24,530.0 (\$	25,687 (\$		\$5	30,385.96 (\$	30,386 (\$
130	E101-E102	E101-E102	DEV-26	Electrician	Breaker 20A, 1P Circuit Breaker	(70)	(70)	(70)	E	0.266	18.58 (\$	64.30 (\$	1,185.5 (\$	32.0 (\$	2,240.0 (\$	3,425 (\$		\$5	58.28 (\$	4,088 (\$
131	E101-E102	E101-E102	DEV-26	Electrician	20A, 1P Circuit Breaker	(4)	(4)	(4)	A	0.266	1.06 (\$	64.30 (\$	68.3 (\$	32.0 (\$	128.0 (\$	196 (\$		\$5	38.28 (\$	219 (\$
132	E101-E102	E101-E102	DEV-26	Electrician	20A, 1P Circuit Breaker	(2)	(2)	(2)	E	0.457	0.91 (\$	64.30 (\$	58.7 (\$	55.0 (\$	113.0 (\$	169 (\$		\$5	106.17 (\$	206 (\$
133	E101-E102	E101-E102	DEV-26	Electrician	20A, 1P Circuit Breaker	(2)	(2)	(2)	A	0.349	0.35 (\$	64.30 (\$	32.4 (\$	42.0 (\$	42.0 (\$	64 (\$		\$5	59.460 (\$	79 (\$
134	E101-E102	E101-E102	DEV-26	Electrician	20A, 1P Circuit Breaker	(1)	(1)	(1)	E	0.096	0.39 (\$	64.30 (\$	10.64 (\$	120.0 (\$	1,200.0 (\$	2,045 (\$		\$5	218.55 (\$	1,459 (\$
135	E101-E102	E101-E102	DEV-26	Electrician	20A, 1P Circuit Breaker	(1)	(1)	(1)	A	0.217	0.21 (\$	64.30 (\$	13.8 (\$	25.0 (\$	25.0 (\$	39 (\$		\$5	46.820 (\$	75 (\$
136	E101-E102	E101-E102	DEV-26	Electrician	20A, 1P Circuit Breaker	(1)	(1)	(1)	E	0.315	0.31 (\$	64.30 (\$	20.3 (\$	38.0 (\$	38.0 (\$	58 (\$		\$5	52.21 (\$	90 (\$
137	E101-E102	E101-E102	DEV-26	Electrician	20A, 1P Circuit Breaker	(1)	(1)	(1)	A	0.136	0.14 (\$	64.30 (\$	18.7 (\$	26.0 (\$	26.0 (\$	39 (\$		\$5	35.720 (\$	54 (\$
138	E101-E102	E101-E102	DEV-26	Electrician	20A, 1P Circuit Breaker	(1)	(1)	(1)	E	0.332	0.33 (\$	64.30 (\$	21.3 (\$	40.0 (\$	40.0 (\$	61 (\$		\$5	72.85 (\$	73 (\$
139	E102	E102	DEV-26	Electrician	Switch Board 50A/1000V/120, 3P, 4W Amp-1000	(1)	(1)	(1)	EA	38.000	38.0005	64.30 (\$	2,443.4 (\$	46,420.0 (\$	46,420.0 (\$	48,863 (\$		\$5	58,702.95 (\$	58,703 (\$
140	E101	E101	DEV-26	Electrician	Breaker 20A, 1P Circuit Breaker	(2)	(2)	(2)	E	0.214	12.43 (\$	64.30 (\$	790.1 (\$	4,365.0 (\$	8,530.0 (\$	9,329 (\$		\$5	5,986.11 (\$	11,335 (\$
141	E101	E101	DEV-26	Electrician	20A, 1P Circuit Breaker	(1)	(1)	(1)	A	0.214	0.21 (\$	64.30 (\$	136.20 (\$	1,154.0 (\$	1,290 (\$		\$5	2,068.80 (\$	2,069 (\$	
142	E101	E101	DEV-26	Electrician	20A, 1P Circuit Breaker	(3)	(3)	(3)	E	4.120	12.36 (\$	64.30 (\$	794.7 (\$	1,125.0 (\$	3,376.0 (\$	4,170 (\$		\$5	1,666.90 (\$	4,838 (\$
143	E101	E101	DEV-26	Electrician	20A, 1P Circuit Breaker	(2)	(2)	(2)	A	0.845	0.85 (\$	64.30 (\$	444.51 (\$	623.0 (\$	1,494.0 (\$	1,748 (\$		\$5	1,888.66 (\$	1,889 (\$
144	E101-E103	E101-E103	DEV-26	Electrician	Wiring Cable #12 AWG Copper Wire	(8,448)	SNV	8,490	LF	0.007	64.48 (\$	64.30 (\$	4,146.5 (\$	0.21 (\$	1,889.4 (\$	6,036 (\$		\$5	0.80 (\$	7,872 (\$
145			DEV-26	Electrician	3/4" Emt Conduit	(2,816)	SNV	2,957	LF	0.062	183.32 (\$	64.30 (\$	12,767.6 (\$	1.71 (\$	5,026.5 (\$	18,814 (\$		\$5	6.60 (\$	12,838 (\$
146			DEV-26	Electrician	3/4" Conns To Set: Emt	(220)	(220)	(220)	EA											
147			DEV-26	Electrician	3/4" Coupling To Set: Emt	(282)	(282)	(282)	EA											
148			DEV-26	Electrician	3/4" 1" In Strap: Emt: Small	(420)	(420)	(420)	EA											
149			DEV-26	Electrician	3/4" 1" In Strap: Emt: Small	(561)	(561)	(561)	EA											
150			DEV-26	Electrician	#8 To #10 X 7/8 Pile Anchor (3/16x) #10 X 1 P/H Self-Tap Screw	(561)	(561)	(561)	EA											
151	E101-E103	E101-E103	DEV-26	Electrician	Power Wiring #12 AWG Copper Wire	(17,280)	SNV	18,150	LF	0.007	111.95 (\$	64.30 (\$	8,484.4 (\$	0.21 (\$	3,866.0 (\$	12,351 (\$		\$5	0.80 (\$	14,471 (\$
152	E102	E102	DEV-26	Electrician	2x12 Amp 1x12 Gnd Cable	(78)	SNV	82	LF	0.022	1.79 (\$	64.30 (\$	115.2 (\$	0.04 (\$	52.3 (\$	168 (\$		\$5	2.39 (\$	176 (\$
153			DEV-26	Electrician	Power Wiring #12 AWG Copper Wire	(1,750)	SNV	1,804	LF	0.048	290.05 (\$	64.30 (\$	18,650.4 (\$	1.71 (\$	10,272.7 (\$	26,923 (\$		\$5	5.62 (\$	31,946 (\$
154			DEV-26	Electrician	3/4" Conns To Set: Emt	(461)	(461)	(461)	EA											
155			DEV-26	Electrician	3/4" Coupling To Set: Emt	(578)	(578)	(578)	EA											
156			DEV-26	Electrician	3/4" 1" In Strap: Emt: Small	(837)	(837)	(837)	EA											
157			DEV-26	Electrician	#8 To #10 X 7/8 Pile Anchor (3/16x) #10 X 1 P/H Self-Tap Screw	(1,144)	(1,144)	(1,144)	EA											
158			DEV-26	Electrician	3/4" Conns To Set: Emt	(7)	(7)	(7)	EA											
159			DEV-26	Electrician	3/4" Coupling To Set: Emt	(1)	(1)	(1)	EA											
160			DEV-26	Electrician	3/4" 1" In Strap: Emt: Small	(2)	(2)	(2)	EA											
161			DEV-26	Electrician	#8 To #10 X 7/8 Pile Anchor (3/16x) #10 X 1 P/H Self-Tap Screw	(2)	(2)	(2)	EA											
162			DEV-26	Electrician	3/4" Conns To Set: Emt	(1)	(1)	(1)	EA											
163			DEV-26	Electrician	3/4" Coupling To Set: Emt	(1)	(1)	(1)	EA											
164			DEV-26	Electrician	3/4" 1" In Strap: Emt: Small	(2)	(2)	(2)	EA											
165	E101-E103	E101-E103	DEV-26	Electrician	Equipment Wiring #10 AWG Copper Wire	(753)	SNV	822	LF	0.008	6.58 (\$	64.30 (\$	423.1 (\$	0.31 (\$	246.0 (\$	669 (\$		\$5	0.96 (\$	780 (\$
166	E101-E103	E101-E103	DEV-26	Electrician	#8 Awg Copper Wire	(1,687)	SNV	1,750	LF	0.010	17.50 (\$	64.30 (\$	1,125.0 (\$	0.31 (\$	780.0 (\$	2,205 (\$		\$5	2.62 (\$	2,206 (\$
167	E101-E103	E101-E103	DEV-26	Electrician	#8 Awg Copper Wire	(4,464)	SNV	4,897	LF	0.012	60.20 (\$	64.30 (\$	3,185.5 (\$	0.31 (\$	3,724.5 (\$	7,601 (\$		\$5	1.89 (\$	8,896 (\$
168	E101-E103	E101-E103	DEV-26	Electrician	#8 Awg Copper Wire	(561)	SNV	561	LF	0.015	14.01 (\$	64.30 (\$	1,242.1 (\$	0.31 (\$	217.0 (\$	1,719 (\$		\$5	2.95 (\$	1,719 (\$
169	E101-E103	E101-E103	DEV-26	Electrician	#8 Awg Copper Wire	(183)	SNV	192	LF	0.016	3.07 (\$	64.30 (\$	19.7 (\$	1.51 (\$	282.3 (\$	480 (\$		\$5	2.95 (\$	569 (\$
170			DEV-26	Electrician	3/4" Emt Conduit	(1,816)	SNV	1,907	LF	0.062	118.22 (\$	64.30 (\$	7,601.6 (\$	1.71 (\$	3,241.0 (\$	10,843 (\$		\$5	6.60 (\$	12,838 (\$
171			DEV-26	Electrician	3/4" Conns To Set: Emt	(140)	(140)	(140)	EA											
172			DEV-26	Electrician	3/4" Coupling To Set: Emt	(182)	(182)	(182)	EA											
173			DEV-26	Electrician	3/4" 1" In Strap: Emt: Small	(273)	(273)	(273)	EA											
174			DEV-26	Electrician	#8 To #10 X 7/8 Pile Anchor (3/16x) #10 X 1 P/H Self-Tap Screw	(362)	(362)	(362)	EA											
175			DEV-26	Electrician	#10 X 1 P/H Self-Tap Screw	(362)	(362)	(362)	EA											
176			DEV-26	Electrician	1-1/4" Emt Conduit	(112)	SNV	117	LF	0.080	9.39 (\$	64.30 (\$	604.0 (\$	4.48 (\$	567.3 (\$	1,171 (\$		\$5	11.77 (\$	1,182 (\$
177			DEV-26	Electrician	1-1/4" Conns To Set: Emt	(9)	(9)	(9)	EA											
178			DEV-26	Electrician	1-1/4" Coupling To Set: Emt	(12)	(12)	(12)	EA											
179			DEV-26	Electrician	1-1/4" 1" In Strap: Emt: Small	(18)	(18)	(18)	EA											
180			DEV-26	Electrician	#8 To #10 X 7/8 Pile Anchor (3/16x) #10 X 1 P/H Self-Tap Screw	(24)	(24)	(24)	EA											

ITEM #	REF. SHEET	DETAIL	CSI SECT	Sub Contractor	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	TOTAL LABOR HOURS	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST	UNIT ITEM COST WITH MARKUPS	TOTAL ITEM COST WITH MARKUPS
243					2" Coupling Ss Str - 1/2"	1)	(	1)	EA										
244					2" x 1/2" Coupling Ss Str - 1/2"	3)	(	3)	EA										
245					#8 To #10 X 7/8 Plus Anchor (5/16)	3)	(	3)	EA										
246					#10 X 1 P/H Self Tap Screw	3)	(	3)	EA										
247			DEV-27	Communication	2-1/2" Ent Conduit	(51)	5%	(54)	LF	0.113	(7.12)	(\$ 64.3)	(\$ 458.0)	(\$ 11.1)	(\$ 591.7)	(\$ 1,050)		(\$ 21.20)	(\$ 1,342)
249					2-1/2" Coupling Ss Str - 1/2"	6)	(	6)	EA										
250					2" x 1/2" Coupling Ss Str - 1/2"	6)	(	6)	EA										
251					#8 To #10 X 7/8 Plus Anchor (5/16)	11)	(	11)	EA										
252					#10 X 1 P/H Self Tap Screw	11)	(	11)	EA										
DEV-28																		(\$ 52,180)	
Fire Alarm																			
253	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Fire Alarm	(8)	(	(8)	F	3.215	(25.72)	(\$ 64.3)	(\$ 1,653.8)	(\$ 450.0)	(\$ 3,600.0)	(\$ 5,254)		(\$ 780.87)	(\$ 6,347)
254	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Replace Existing Ceiling Mounted Combination Horn/Strobe	(12)	(	(12)	A	1.162	(9.11)	(\$ 64.3)	(\$ 587.3)	(\$ 140.0)	(\$ 1,230.0)	(\$ 2,719)		(\$ 294.97)	(\$ 3,315)
255	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Replace Existing Ceiling Mounted Horn/Strobe	(2)	(	(2)	F	1.338	(10.67)	(\$ 64.3)	(\$ 684.0)	(\$ 170.0)	(\$ 860.0)	(\$ 1,520)		(\$ 205.40)	(\$ 349)
256	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Replace Existing Audible/Visible Notification Device	(8)	(	(8)	A	1.079	(8.63)	(\$ 64.3)	(\$ 555.0)	(\$ 130.0)	(\$ 1,040.0)	(\$ 1,595)		(\$ 246.76)	(\$ 4,066)
257	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Replace Existing Ceiling Mounted Strobe Light	(1)	(	(1)	F	0.913	(7.30)	(\$ 64.3)	(\$ 587.3)	(\$ 110.0)	(\$ 700.0)	(\$ 1,297)		(\$ 200.36)	(\$ 306)
258	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Audible/Visible Notification Device - SDCA	(4)	(	(4)	A	1.028	(8.19)	(\$ 64.3)	(\$ 526.0)	(\$ 125.0)	(\$ 1,000.0)	(\$ 1,525)		(\$ 227.63)	(\$ 373)
259	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Door Holder	(16)	(	(16)	F	1.868	(14.93)	(\$ 64.3)	(\$ 1,001.3)	(\$ 225.0)	(\$ 3,600.0)	(\$ 5,521)		(\$ 605.76)	(\$ 1,530)
260	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Rechargeable Battery	(2)	(	(2)	A	0.623	(5.00)	(\$ 64.3)	(\$ 381.1)	(\$ 75.0)	(\$ 1,500.0)	(\$ 2,356)		(\$ 286.59)	(\$ 279)
261	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Visible Notification Device 75 Cd	(3)	(	(3)	F	1.287	(10.29)	(\$ 64.3)	(\$ 808.3)	(\$ 155.0)	(\$ 465.0)	(\$ 713)		(\$ 289.29)	(\$ 849)
262	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Manual Pull Station	(1)	(	(1)	A	0.789	(6.39)	(\$ 64.3)	(\$ 507.3)	(\$ 95.0)	(\$ 95.0)	(\$ 140)		(\$ 278.62)	(\$ 179)
Security																			
263	E301-E303	E301-E303	DEV-27	Electronic Safety and Security (FA)	Fixed Camera W/ Jack	(6)	(	(6)	EA	0.750	(4.50)	(\$ 64.3)	(\$ 289.4)	(\$ -)	(\$ -)	(\$ 289)		(\$ 55.80)	(\$ 335)
Sensor																			
264	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Ceiling Smoke/Carbon Monoxide Detector	(27)	(	(27)	F	1.120	(9.24)	(\$ 64.3)	(\$ 1,044.4)	(\$ 120.0)	(\$ 3,240.0)	(\$ 5,184)		(\$ 227.77)	(\$ 6,138)
265	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Replace Existing Ceiling Smoke Detector	(16)	(	(16)	A	0.126	(1.01)	(\$ 64.3)	(\$ 81.1)	(\$ 80.0)	(\$ 1,600.0)	(\$ 1,761)		(\$ 111.90)	(\$ 1,797)
266	E301-E303	E301-E303	DEV-	Electronic Safety and Security (FA)	Dust Smoke Detector	(5)	(	(5)	A	3.120	(25.00)	(\$ 64.3)	(\$ 1,089.1)	(\$ 420.0)	(\$ 2,100.0)	(\$ 3,103)		(\$ 737.69)	(\$ 8,089)
Wiring / Cable																			
267			DEV-	Electronic Safety and Security (FA)	1/2" Awg F80 Wire	(768)	5%	(806)	LF	0.006	(4.80)	(\$ 64.3)	(\$ 308.8)	(\$ 0.1)	(\$ 113.1)	(\$ 426)		(\$ 6.83)	(\$ 588)
268			DEV-	Electronic Safety and Security (FA)	#16 Awg F80 Wire	(6,748)	5%	(7,092)	LF	0.006	(43.37)	(\$ 64.3)	(\$ 2,788.7)	(\$ 0.1)	(\$ 1,008.4)	(\$ 3,797)		(\$ 6.87)	(\$ 6,407)
269			DEV-	Electronic Safety and Security (FA)	#18 Awg F80 Wire	(1,508)	5%	(1,587)	LF	0.006	(9.21)	(\$ 64.3)	(\$ 590.8)	(\$ 0.1)	(\$ 154.1)	(\$ 556)		(\$ 6.86)	(\$ 686)
270			DEV-	Electronic Safety and Security (FA)	Cable / R/F80 Shielded Cable	(260)	5%	(273)	LF	0.015	(3.90)	(\$ 64.3)	(\$ 235.9)	(\$ 0.2)	(\$ 125.0)	(\$ 738)		(\$ 1.86)	(\$ 846)
271			DEV-	Electronic Safety and Security (FA)	4/18 Awg Shielded Cable	(929)	5%	(979)	LF	0.023	(21.55)	(\$ 64.3)	(\$ 1,385.4)	(\$ 0.4)	(\$ 531.3)	(\$ 1,917)		(\$ 2.41)	(\$ 2,343)
272			DEV-27	Electronic Safety and Security (FA)	3/4" Ent Conduit	(2,837)	5%	(2,979)	LF	0.062	(184.88)	(\$ 64.3)	(\$ 11,875.1)	(\$ 1.7)	(\$ 5,064.0)	(\$ 16,940)		(\$ 6.66)	(\$ 15,817)
273					3/4" Cones Ss Str - 1/2"	(227)	(	(227)	EA										
274					3/4" Coupling Ss Str - 1/2"	(284)	(	(284)	EA										
275					3/2" x 1/2" Strap - Ent - 1/2"	(423)	(	(423)	EA										
276					#8 To #10 X 7/8 Plus Anchor (5/16)	(565)	(	(565)	EA										
277					#10 X 1 P/H Self Tap Screw	(565)	(	(565)	EA										
Earthwork																		(\$ 18,480)	
278			DIV-31	Earth worker	Excavation For Conduit	(179)	5%	(182)	CY	0.385	(68.94)	(\$ 110.1)	(\$ 7,762.7)	(\$ -)	(\$ -)	(\$ 7,763)		(\$ 48.07)	(\$ 6,913)
279			DIV-31	Earth worker	Back Fill For Conduit	(179)	5%	(182)	CY	0.285	(51.77)	(\$ 110.1)	(\$ 5,702.0)	(\$ -)	(\$ -)	(\$ 5,702)		(\$ 36.32)	(\$ 6,598)
SUB TOTAL										Total Lab. Hours =	4,297	Total Lab. Cost =	(\$ 274,826)	Total Mat. Cost =	(\$ 447,353)	(\$ 722,220)	(\$ 722,220)	(\$ -)	(\$ 856,528)
MATERIAL TAX										8.5%			(\$ 38,458)	(\$ 38,458)	(\$ 38,458)	(\$ 38,458)			
OVERHEAD & PROFIT / INFLATION (Material)										10%			(\$ 44,735)	(\$ 44,735)	(\$ 44,735)	(\$ 44,735)			
OVERHEAD & PROFIT (Labor)										14%			(\$ 38,476)	(\$ 38,476)	(\$ 38,476)	(\$ 38,476)			
BOND FEE										1.5%			(\$ 4,700)	(\$ 4,700)	(\$ 4,700)	(\$ 4,700)			
TOTAL BASE BID													(\$ 518,801)	(\$ 518,801)	(\$ 856,528)	(\$ 856,528)		(\$ -)	(\$ 856,528)