

Project Title : Parker's Project  
 Document Title: Estimation for Low Voltage & Security Systems

SR. No	Description	Product Technical Specs	Unit	Quantity	Final Material Price (with 20% margin)	Labor Unit Hours	Total Labor Hours	Labor rate	Material Cost (List /Quote Price)	Margin	Total Material Cost	Total Labor Cost	Total Cost
<b>A) NETWORK</b>													
A.1	Telephone Backboard (48" X 96" X 3/4" )	UT-501082M	EA	1	\$ 357.00	2.00	2.00	\$ 75.00	\$ 297.50	\$ 59.50	\$ 357.00	\$ 150.00	\$566.50
A.2	16 Port POE Switch	IP-GSD-2022P	EA	3	\$ 168.00	1.20	3.60	\$ 75.00	\$ 140.00	\$ 84.00	\$ 504.00	\$ 270.00	\$858.00
A.3	NVR 16 channel	AFX-516N.6TB	EA	1	\$ 1,114.80	3.00	3.00	\$ 75.00	\$ 929.00	\$ 185.80	\$ 1,114.80	\$ 225.00	\$1,525.60
A.4	16 Port CAT6 Patch Panels	TC-P16C6AS	EA	3	\$ 75.97	0.75	2.25	\$ 75.00	\$ 63.31	\$ 37.99	\$ 227.92	\$ 168.75	\$434.65
A.5	Patch Cables & Accessories		ITEM	1	\$ 181.44	5.76	5.76	\$ 75.00	\$ 151.20	\$ 30.24	\$ 181.44	\$ 432.00	\$643.68
<b>NETWORK TOTAL COST</b>													<b>\$3,461.93</b>
<b>B) CABLING AND FIXTURE INSTALLATION SCOPE</b>													
B.1	Data Outlet (1port face plate)	AX102660	FT	27	\$ 5.21	0.40	10.80	\$ 75.00	\$ 4.34	\$ 14.06	\$ 140.62	\$ 810.00	\$964.68
B.2	Camera	LXIP9C82W-28MDA	FT	8	\$ 358.80	0.75	6.00	\$ 75.00	\$ 299.00	\$ 287.04	\$ 2,870.40	\$ 450.00	\$3,607.44
B.3	Maglock	0E-MAG1200DB	FT	4	\$ 215.99	0.50	2.00	\$ 75.00	\$ 179.99	\$ 86.40	\$ 863.95	\$ 150.00	\$1,100.35
B.5	RJ-45 Simplex Jack	7B-DJKUGN1	EA	35	\$ 9.28	0.10	3.50	\$ 75.00	\$ 7.73	\$ 32.47	\$ 324.66	\$ 262.50	\$619.63
B.6	CATEGORY 6 CABLES	7B-2412100OR	FT	2222.02	\$ 2.99	0.012	26.66	\$ 75.00	\$ 2.49	\$ 663.94	\$ 6,639.40	\$ 1,999.82	\$9,303.15
B.7	18/4 CABLES	RM-725184MIV	FT	240.7	\$ 4.38	0.012	2.89	\$ 75.00	\$ 3.65	\$ 105.43	\$ 1,054.27	\$ 216.63	\$1,376.32
B.8	2" J-Hook	0E-JHW225	EA	115	\$ 4.18	0.02	2.30	\$ 75.00	\$ 3.48	\$ 48.02	\$ 480.18	\$ 172.50	\$700.70
B.9	3/8" drop anchor	LH-DA38	EA	115	\$ 3.37	0.10	11.50	\$ 75.00	\$ 2.81	\$ 38.79	\$ 387.89	\$ 862.50	\$1,289.18
B.10	3/8" Screw nail		EA	115	\$ 0.03	0.10	11.50	\$ 75.00	\$ 0.03	\$ 0.35	\$ 3.52	\$ 862.50	\$866.37
<b>CABLING AND FIXTURE INSTALLATION TOTAL COST</b>													<b>\$19,827.82</b>
<b>C) TESTING &amp; COMMISSIONING</b>													
C.1	Testing & Inspection of the Low Voltage system		ITEM	1	\$ 1,500.00		0.00	\$ 75.00			\$ 1,500.00		\$1,500.00
<b>TESTING &amp; COMMISSIONING TOTAL COST</b>													<b>\$1,500.00</b>
<b>D) OPERATIONAL COST</b>													
D.1	Transportation Cost		ITEM	1		3.00	3.00	\$ 75.00		\$ -	\$ -	\$ 225.00	\$225.00
D.2	Any other Miscellaneous Cost		ITEM	1	500.00		0.00	\$ 75.00			\$ 500.00		\$500.00
<b>OPERATIONAL COST</b>													<b>\$725.00</b>
<b>TOTAL MATERIAL COST</b>													<b>\$ 17,150.04</b>
<b>TOTAL LABOR COST</b>													<b>\$ 7,257.20</b>
<b>TOTAL LABOR HOURS</b>													<b>91.76</b>
<b>PROJECT MANAGEMENT COST (5%)</b>													<b>\$ 1,220.36</b>
<b>LOST TIME COST (5%)</b>													<b>\$ 1,220.36</b>
<b>SALES TAX (7.5%)</b>													<b>\$ 1,286.25</b>
<b>TOTAL BID</b>													<b>\$ 28,134.21</b>

**SCOPE OF ESTIMATE:**

- 1 Low Voltage wires, cables, and conduits
- 2 Patch panel & Network Rack
- 3 Testing & Handingover

**EXCLUSIONS:**

- 1 Switches, PDU, NVR, & other low voltage active components including UPS for Server Rack
- 2 Fire stopping systems installation
- 3 All electrical and fire alarm systems scope of work

**III LABOR RATE ESTIMATE**

ELECTRICIAN BASE WAGE \$ 75.00