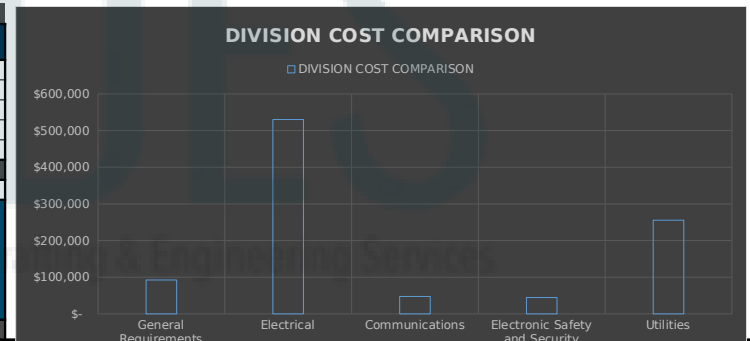


GENERAL SUMMARY

Prepared for: Metro Air Park Fire Station #44, 7305 Metro Air Parkway, Sacramento, CA
Project ID: 7112026
Scope: Electrical
No. Of Floors: 1
Date: 09/23/26



BUILDING GSF		11,585	
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	\$ 92,500	\$ 8
26000	Electrical	\$ 530,217	\$ 46
27000	Communications	\$ 47,485	\$ 4
28000	Electronic Safety and Security	\$ 44,613	\$ 4
33000	Utilities	\$ 255,573	\$ 22
TOTAL TRADE COST		\$ 970,388	\$ 84
OVERHEAD		15%	\$ 145,558
PROFIT		15%	\$ 145,558
SUB-CONTRACTOR MARGIN		10%	\$ 50,083
INSURANCE		3%	\$ 29,112
CONTINGENCY		5%	\$ 48,519
TAX		7.75%	\$ 29,222
SUGGESTED BID		\$ 1,418,440	\$ 130



DETAILED BREAKDOWN OF ITEMS													
Prepared for: Metro Air Park Fire Station #44, 7305 Metro Air Parkway, Sacramento, CA													
Project ID: 7112026													
Scope: Electrical													
												Date: 09/23/26	
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOURL	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
GENERAL REQUIREMENTS													
1			Permits	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
2			Supervision and Coordination	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 35,000.00	\$ 35,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 4,500.00	\$ 4,500.00
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 3,000.00	\$ 3,000.00
5			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 20,000.00	\$ 20,000.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 30,000.00	\$ 30,000.00
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
												SUBTOTAL	\$ 92,500
ELECTRICAL													
DISTRIBUTION													
CONDUIT													
8			1" EMT Conduit	LF	353	10%	388	0.070	\$ 179.00	\$ 12.53	\$ 2.85	\$ 15.38	\$ 5,972.05
9			1-1/4" EMT Conduit	LF	62	10%	68	0.080	\$ 179.00	\$ 14.32	\$ 4.25	\$ 18.57	\$ 1,266.47
10			2" EMT Conduit	LF	232	10%	255	0.100	\$ 179.00	\$ 17.90	\$ 6.25	\$ 24.15	\$ 6,163.08
11			3" EMT Conduit	LF	56	10%	62	0.160	\$ 179.00	\$ 28.64	\$ 8.98	\$ 37.62	\$ 2,317.39
12			1" RGS Conduit	LF	21	10%	23	0.123	\$ 179.00	\$ 22.02	\$ 5.85	\$ 27.87	\$ 643.73
CONDUCTOR													
13			#10 CU THHN/THWN	LF	373	10%	410	0.008	\$ 179.00	\$ 1.43	\$ 0.44	\$ 1.87	\$ 768.08
14			#8 CU THHN/THWN	LF	881	10%	969	0.010	\$ 179.00	\$ 1.79	\$ 0.75	\$ 2.54	\$ 2,461.51
15			#6 CU THHN/THWN	LF	532	10%	585	0.012	\$ 179.00	\$ 2.15	\$ 1.15	\$ 3.30	\$ 1,929.99
16			#4 CU THHN/THWN	LF	186	10%	205	0.015	\$ 179.00	\$ 2.69	\$ 1.72	\$ 4.41	\$ 901.26
17			#1 CU THHN/THWN	LF	56	10%	62	0.020	\$ 179.00	\$ 3.58	\$ 3.10	\$ 6.68	\$ 411.49
18			#3/0 CU THHN/THWN	LF	928	10%	1021	0.032	\$ 179.00	\$ 5.73	\$ 6.15	\$ 11.88	\$ 12,125.06
19			#350 KCMIL CU THHN/THWN	LF	224	10%	246	0.044	\$ 179.00	\$ 7.88	\$ 12.75	\$ 20.63	\$ 5,082.25
LUGS													
20			Compression Lug CU With 1-Hole, #8 CU Wire	EA	26	0%	26	0.152	\$ 179.00	\$ 27.21	\$ 2.82	\$ 30.03	\$ 780.73
21			Heat Shrink Tubing for #8 CU Wire	EA	26	0%	26	0.030	\$ 179.00	\$ 5.37	\$ 0.75	\$ 6.12	\$ 159.12
22			Compression Lug CU With 1-Hole, #6 CU Wire	EA	14	0%	14	0.185	\$ 179.00	\$ 33.12	\$ 3.25	\$ 36.37	\$ 509.11
23			Heat Shrink Tubing for #6 CU Wire	EA	14	0%	14	0.050	\$ 179.00	\$ 8.95	\$ 0.98	\$ 9.93	\$ 139.02
24			Compression Lug CU With 1-Hole, #4 CU Wire	EA	6	0%	6	0.210	\$ 179.00	\$ 37.59	\$ 2.32	\$ 39.91	\$ 239.46
25			Heat Shrink Tubing for #4 CU Wire	EA	6	0%	6	0.055	\$ 179.00	\$ 9.85	\$ 0.99	\$ 10.84	\$ 65.01
26			Compression Lug CU With 1-Hole, #1 CU Wire	EA	8	0%	8	0.385	\$ 179.00	\$ 68.92	\$ 8.56	\$ 77.48	\$ 619.80
27			Heat Shrink Tubing for #1 CU Wire	EA	8	0%	8	0.120	\$ 179.00	\$ 21.48	\$ 1.73	\$ 23.21	\$ 185.68
28			Compression Lug CU With 1-Hole, #3/0 CU Wire	EA	32	0%	32	0.452	\$ 179.00	\$ 80.91	\$ 10.64	\$ 91.55	\$ 2,929.54
29			Heat Shrink Tubing for #3/0 CU Wire	EA	32	0%	32	0.180	\$ 179.00	\$ 32.22	\$ 3.78	\$ 36.00	\$ 1,152.00
30			Compression Lug CU With 1-Hole, #350 KCMIL CU Wire	EA	32	0%	32	0.598	\$ 179.00	\$ 107.04	\$ 35.16	\$ 142.20	\$ 4,550.46
31			Heat Shrink Tubing for #350 KCMIL CU Wire	EA	32	0%	32	0.220	\$ 179.00	\$ 38.38	\$ 4.21	\$ 43.59	\$ 1,394.88
CIRCUIT BREAKER													
32			1P15A Breaker	EA	3	0%	3	0.325	\$ 179.00	\$ 58.18	\$ 28.00	\$ 86.18	\$ 258.53
33			1P20A Breaker	EA	83	0%	83	0.330	\$ 179.00	\$ 59.07	\$ 33.00	\$ 92.07	\$ 7,641.81
34			1P30A Breaker	EA	6	0%	6	0.342	\$ 179.00	\$ 61.22	\$ 42.23	\$ 103.45	\$ 620.69
35			2P15A Breaker	EA	3	0%	3	0.421	\$ 179.00	\$ 75.36	\$ 37.00	\$ 112.36	\$ 337.08
36			2P20A Breaker	EA	4	0%	4	0.430	\$ 179.00	\$ 76.97	\$ 45.20	\$ 122.17	\$ 488.68
37			2P30A Breaker	EA	4	0%	4	0.465	\$ 179.00	\$ 83.24	\$ 82.24	\$ 165.48	\$ 661.90
38			2P35A Breaker	EA	1	0%	1	0.488	\$ 179.00	\$ 87.35	\$ 100.80	\$ 188.15	\$ 188.15
39			2P40A Breaker	EA	4	0%	4	0.500	\$ 179.00	\$ 89.50	\$ 116.76	\$ 206.26	\$ 825.04
40			3P15A Breaker	EA	6	0%	6	0.500	\$ 179.00	\$ 89.50	\$ 52.00	\$ 141.50	\$ 849.00
41			3P20A Breaker	EA	1	0%	1	0.511	\$ 179.00	\$ 91.47	\$ 70.81	\$ 162.28	\$ 162.28
42			3P35A Breaker	EA	4	0%	4	0.532	\$ 179.00	\$ 95.23	\$ 106.40	\$ 201.63	\$ 806.51
43			3P50A Breaker	EA	1	0%	1	0.556	\$ 179.00	\$ 99.52	\$ 156.56	\$ 256.08	\$ 256.08
44			3P70A Breaker	EA	1	0%	1	0.620	\$ 179.00	\$ 110.98	\$ 359.99	\$ 470.97	\$ 470.97
45			3P200A Breaker	EA	4	0%	4	1.200	\$ 179.00	\$ 214.80	\$ 810.00	\$ 1,024.80	\$ 4,099.20
46			3P800A Breaker	EA	1	0%	1	2.652	\$ 179.00	\$ 474.71	\$ 1,895.94	\$ 2,370.65	\$ 2,370.65
47			3P800A Breaker	EA	1	0%	1	3.000	\$ 179.00	\$ 537.00	\$ 2,295.15	\$ 2,832.15	\$ 2,832.15
PANEL													
48			Panel A: 600A, 120/208V, 3PH, 4W, Mains: MLO, 42 Poles, Surface Mounted, NEMA-1	EA	1	0%	1	12.250	\$ 179.00	\$ 2,192.75	\$ 5,900.00	\$ 8,092.75	\$ 8,092.75
49			Panel AC: 200A, 120/208V, 3PH, 4W, Mains: MLO, 42 Poles, Surface Mounted, NEMA-1	EA	1	0%	1	3.250	\$ 179.00	\$ 581.75	\$ 985.00	\$ 1,566.75	\$ 1,566.75
50			Panel B: 200A, 120/208V, 3PH, 4W, Mains: MLO, 42 Poles, Recessed Mounted, NEMA-1	EA	1	0%	1	3.250	\$ 179.00	\$ 581.75	\$ 985.00	\$ 1,566.75	\$ 1,566.75
51			Panel C: 200A, 120/208V, 3PH, 4W, Mains: MLO, 42 Poles, Recessed Mounted, NEMA-1	EA	1	0%	1	3.250	\$ 179.00	\$ 581.75	\$ 985.00	\$ 1,566.75	\$ 1,566.75
52			Panel D: 200A, 120/208V, 3PH, 4W, Mains: MLO, 42 Poles, Recessed Mounted, NEMA-1	EA	1	0%	1	3.250	\$ 179.00	\$ 581.75	\$ 985.00	\$ 1,566.75	\$ 1,566.75
53			Panel MSB: 800A, 120/208V, 3PH, 4W, 65KAIC	EA	1	0%	1	18.250	\$ 179.00	\$ 3,266.75	\$ 11,325.35	\$ 14,592.10	\$ 14,592.10
DEVICES													
54			3P500A Solid Neutral ATS	EA	1	0%	1	9.250	\$ 179.00	\$ 1,655.75	\$ 6,906.94	\$ 8,562.69	\$ 8,562.69
55			800A Meter	EA	1	0%	1	4.250	\$ 179.00	\$ 760.75	\$ 1,520.00	\$ 2,280.75	\$ 2,280.75
DISCONNECT SWITCH													
56			2P15A Heavy Duty Safety Type Fused Disconnect Switch, WP, NEMA 3R	EA	2	0%	2	1.520	\$ 179.00	\$ 272.08	\$ 185.25	\$ 457.33	\$ 914.66
57			2P30A Heavy Duty Safety Type Fused Disconnect Switch, WP, NEMA 3R	EA	3	0%	3	1.520	\$ 179.00	\$ 272.08	\$ 210.00	\$ 482.08	\$ 1,446.24
58			2P35A Heavy Duty Safety Type Fused Disconnect Switch, WP, NEMA 3R	EA	1	0%	1	1.550	\$ 179.00	\$ 277.45	\$ 235.25	\$ 512.70	\$ 512.70
59			3P15A Disconnect Switch, WP, NEMA 3R	EA	1	0%	1	1.750	\$ 179.00	\$ 313.25	\$ 225.00	\$ 538.25	\$ 538.25
60			3P20A Heavy Duty Safety Type Fused Disconnect Switch, WP, NEMA 3R	EA	1	0%	1	1.750	\$ 179.00	\$ 313.25	\$ 245.00	\$ 558.25	\$ 558.25
61			3P35A Heavy Duty Safety Type Fused Disconnect Switch, WP, NEMA 3R	EA	3	0%	3	1.750	\$ 179.00	\$ 313.25	\$ 268.00	\$ 581.25	\$ 1,743.75
62			3P50A Disconnect Switch, WP, NEMA 3R	EA	1	0%	1	1.750	\$ 179.00	\$ 313.25	\$ 320.00	\$ 633.25	\$ 633.25
63			3P70A Heavy Duty Safety Type Fused Disconnect Switch	EA	1	0%	1	1.750	\$ 179.00	\$ 313.25	\$ 398.00	\$ 711.25	\$ 711.25
GROUNDING													
64			3/4" X 10' CU Grounding Rod	EA	1	0%	1	0.520	\$ 179.00	\$ 93.08	\$ 52.25	\$ 145.33	\$ 145.33
65			Ground Busbar	EA	2	0%	2	2.325	\$ 179.00	\$ 416.18	\$ 102.25	\$ 518.43	\$ 1,036.85
66			Neutral Busbar	EA	1	0%	1	0.850	\$ 179.00	\$ 152.15	\$ 85.25	\$ 237.40	\$ 237.40
67			#6 CU Grounding Conductor	LF	20	10%	22	0.012	\$ 179.00	\$ 2.15	\$ 1.15	\$ 3.30	\$ 27.40
68			#3/0 CU Grounding Conductor	LF	40	10%	44	0.032	\$ 179.00	\$ 5.73	\$ 6.15	\$ 11.88	\$ 522.63
POWER													
CONDUIT													
69			3/4" EMT Conduit	LF	7013	10%	7714	0.062	\$ 179.00	\$ 11.10	\$ 2.03	\$ 13.13	\$ 101,266.40
70			1" EMT Conduit	LF	10	10%	11	0.070	\$ 179.00	\$ 12.53	\$ 2.85	\$ 15.38	\$ 162.58
71			3/4" RGS Conduit	LF	29	10%	32	0.100	\$ 179.00	\$ 17.90	\$ 4.02	\$ 21.92	\$ 699.25
72			3/4" PVC SCH 40 Conduit	LF	28	10%	30	0.052	\$ 179.00	\$ 9.31	\$ 1.10	\$ 10.41	\$ 316.79
CONDUCTOR													
73			#12 CU THHN/THWN	LF	15262	10%	16788	0.007	\$ 179.00	\$ 1.25	\$ 0.29	\$ 1.54	\$ 25,904.18
74			#10 CU THHN/THWN	LF	6174	10%	6791	0.008	\$ 179.00	\$ 1.43	\$ 0.44	\$ 1.87	\$ 12,713.27
75			#8 CU THHN/THWN	LF	29	10%	32	0.010	\$ 179.00	\$ 1.79	\$ 0.75	\$ 2.54	\$ 80.5

DETAILED BREAKDOWN OF ITEMS											Date: 09/23/26		
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOURL	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
95			CONDUIT										
96			3/4" EMT Conduit	LF	581	10%	639	0.062	\$ 179.00	\$ 11.10	\$ 1.70	\$ 12.80	\$ 8,172.73
			1" EMT Conduit	LF	2502	10%	2752	0.070	\$ 179.00	\$ 12.53	\$ 3.10	\$ 15.63	\$ 43,014.65
97			CONDUCTOR										
98			#12 CU THHN/THWN	LF	813	10%	895	0.007	\$ 179.00	\$ 1.25	\$ 0.29	\$ 1.54	\$ 1,380.67
99			#10 CU THHN/THWN	LF	3430	10%	3773	0.008	\$ 179.00	\$ 1.43	\$ 0.44	\$ 1.87	\$ 7,063.14
			#8 CU THHN/THWN	LF	5604	10%	6164	0.010	\$ 179.00	\$ 1.79	\$ 0.75	\$ 2.54	\$ 15,656.85
100			LIGHTING FIXTURES										
			A: 2x2' Led Architectural Troffer, H. E. WILLIAMS AT1-22-L40-835-D-PIM-120	EA	14	0%	14	1.000	\$ 179.00	\$ 179.00	\$ 298.25	\$ 477.25	\$ 6,681.50
			Mounting: Ceiling Lay-In										
			Watts: 43 W										
101			Remarks: Not Specified										
			P: 4" Dia. Led Downlight, LITHONIA LDN4 35/10 L04 AR LSS 120V E21	EA	48	0%	48	0.859	\$ 179.00	\$ 153.76	\$ 225.40	\$ 379.16	\$ 18,199.73
			Mounting: Ceiling Recessed										
			Watts: 11 W										
			Remarks: Not Specified										
102			B1: 4x4' Led Linear Recessed, FINELITE HP-4 R-D-4-V-835-F-96LG-120-SC-FC10%-C2-FE-OBO	EA	8	0%	8	2.485	\$ 179.00	\$ 444.82	\$ 922.81	\$ 1,367.63	\$ 10,941.00
			Mounting: Recessed										
			Watts: 38 W										
			Remarks: Includes Integral Occupancy Sensor										
103			B3: 8x4' Led Linear Recessed, FINELITE HP-4 R-D-8-V-835-F-96LG-120-SC-FC10%-C2-FE-OBO	EA	6	0%	6	3.562	\$ 179.00	\$ 637.60	\$ 1,845.62	\$ 2,483.22	\$ 14,899.31
			Mounting: Recessed										
			Watts: 75 W										
			Remarks: Includes Integral Occupancy Sensor										
104			C1: 4' Led Wraparound, KENALL MLHA12-48-F-MW-PP-45L40K-DCC-120	EA	2	0%	2	1.250	\$ 179.00	\$ 223.75	\$ 398.25	\$ 622.00	\$ 1,244.00
			Mounting: Ceiling Surface										
			Watts: 58 W										
			Remarks: Not Specified										
105			C2: 8' Led Wraparound, KENALL MLHA12-96-F-MW-PP-45L40K-DCC-1-120	EA	7	0%	7	1.650	\$ 179.00	\$ 295.35	\$ 710.00	\$ 1,005.35	\$ 7,037.45
			Mounting: Ceiling Surface										
			Watts: 98 W										
			Remarks: Not Specified										
106			E1: 4' Led Strip, DAY-BRITE LF4FR203UDZ1	EA	5	0%	5	0.752	\$ 179.00	\$ 134.61	\$ 121.16	\$ 255.77	\$ 1,278.84
			Mounting: Surface										
			Watts: 30 W										
			Remarks: To Be Wall Mounted Above Mirrors In Restrooms And Surface Mounted At Other Locations										
107			E2: 8' Led Strip, DAY-BRITE LF8FR303UDZ1	EA	28	0%	28	0.886	\$ 179.00	\$ 158.59	\$ 242.32	\$ 400.91	\$ 11,225.59
			Mounting: Ceiling Pendant										
			Watts: 66 W										
			Remarks: Number Of LFCPL (Continuous Row Joiners) As Required Per Plans										
108			Ic: Led Flexible Task Light, ACCESS LIGHTING - BUNK 600LED-BRZ	EA	13	0%	13	0.815	\$ 179.00	\$ 145.89	\$ 156.00	\$ 301.89	\$ 3,924.51
			Mounting: Wall Surface										
			Watts: 4 W										
			Remarks: Verify Finish Color With Architect. Verify/Coordinate Exact Mounting Height And Location With Furniture										
109			L: Led Exterior Wall Light With Emergency Battery Backup, LITHONIA WDGE1 LED P1 40K 80	EA	7	0%	7	1.875	\$ 179.00	\$ 335.63	\$ 731.89	\$ 1,067.52	\$ 7,472.61
			R: 8'x12' Exterior Led Wall Sence, KENALL TS02B-215-MFA-BP-LQ40K-1-120	EA	14	0%	14	1.250	\$ 179.00	\$ 223.75	\$ 485.25	\$ 709.00	\$ 9,926.00
			Mounting: Exterior Wall Surface										
			Watts: 9 W										
			Remarks: Verify Finish Color With Architect										
110			R: Led Wall Sence With Red Lens, TERON LIGHTING - GUARDIAN GRDW16 L180-TE500	EA	2	0%	2	1.320	\$ 179.00	\$ 236.28	\$ 625.00	\$ 861.28	\$ 1,722.56
			120-277V CNL BZ* 40K CUSTOM RED LENS										
			Mounting: Exterior Wall At Front Bay Doors										
			Watts: 18 W										
			Remarks: Verify Finish Color With Architect										
112			L: Led Wall Sence (Motion Response), GARDCO 121-MR-4-75LA-CW-UNIV-BRP**Mounting:	EA	7	0%	7	1.624	\$ 179.00	\$ 290.70	\$ 699.50	\$ 990.20	\$ 6,931.37
			V: Indoor Led Louvered Step Light, INTRIGUE LIGHTING SGH-NC-LED-SG-R-1LED-HDL-										
			OLP-UNIV-BRP**SC12V										
			Mounting: Recessed In Wall At 18" Alt										
			Watts: 14 W										
			Remarks: Verify Finish Color With Architect										
114			W: Led Directional Sign Flood Light, LITHONIA OLF6 850K DOBMounting: Wall Or Ground N	EA	5	0%	5	0.832	\$ 179.00	\$ 148.93	\$ 214.84	\$ 363.77	\$ 1,818.84
115			W1: Led Spot Light For Flag, LITHONIA OLB5 850K DOBMounting: Low Wall Mounted For FI	EA	2	0%	2	0.715	\$ 179.00	\$ 127.99	\$ 198.03	\$ 326.02	\$ 652.03
116			W2: Led Flood Light For Facade At Vehicle Door, WAC LIGHTING WP-LED354-35*-WNT PH	EA	4	0%	4	1.052	\$ 179.00	\$ 188.31	\$ 271.90	\$ 460.21	\$ 1,840.83
117			X: Exit Sign Emergency Light Combination, EMERG-LITE NP8512H463L BMounting: Universal	EA	14	0%	14	0.889	\$ 179.00	\$ 159.13	\$ 287.85	\$ 446.98	\$ 6,257.73
118			LIGHTING CONTROL										
			4Way Dimmer Switch	EA	3	0%	3	0.521	\$ 179.00	\$ 93.26	\$ 49.99	\$ 143.25	\$ 429.75
119			Ceiling Mounted Vacancy Sensor, With Power Pack For Each Chain Of Sensors	EA	3	0%	3	0.852	\$ 179.00	\$ 152.51	\$ 122.75	\$ 275.26	\$ 825.77
120			Dimming Switch 20A, 120-277V	EA	12	0%	12	0.325	\$ 179.00	\$ 58.18	\$ 62.95	\$ 121.13	\$ 1,453.50
121			LCC: Lighting Control Cabinet	EA	1	0%	1	2.255	\$ 179.00	\$ 400.07	\$ 1,076.10	\$ 1,476.17	\$ 17,900.00
122			LCP: Lighting Control Panel, WATT STOPPER PEANUT PANEL, #LBP8	EA	1	0%	1	2.685	\$ 179.00	\$ 480.62	\$ 2,657.00	\$ 3,137.62	\$ 3,137.62
123			Multi-Speed Fan Controller, Wall Mounted	EA	9	0%	9	0.859	\$ 179.00	\$ 153.76	\$ 312.23	\$ 465.99	\$ 4,193.92
124			RD: Radar Detector	EA	1	0%	1	1.421	\$ 179.00	\$ 254.36	\$ 545.99	\$ 804.35	\$ 804.35
125			Single Pole Toggle Switch	EA	2	0%	2	0.205	\$ 179.00	\$ 36.70	\$ 9.38	\$ 46.08	\$ 92.15
126			Single Pole Vacancy Sensor Dimmer Switch Wall Mounted	EA	11	0%	11	0.625	\$ 179.00	\$ 111.88	\$ 52.59	\$ 164.47	\$ 1,809.12
127			Single Pole Vacancy Sensor Switch Wall Mounted	EA	8	0%	8	0.512	\$ 179.00	\$ 91.65	\$ 42.88	\$ 134.53	\$ 1,076.22
128			Single Pole Vacancy Sensor/Timer Switch	EA	18	0%	18	0.612	\$ 179.00	\$ 105.55	\$ 68.59	\$ 174.14	\$ 3,062.48
129			Three Way Dimmer Toggle Switch, 20A, 120-277V	EA	8	0%	8	0.365	\$ 179.00	\$ 65.34	\$ 26.73	\$ 92.09	\$ 736.68
130			Three Way Toggle Switch, 20A, 120-277V	EA	2	0%	2	0.365	\$ 179.00	\$ 65.34	\$ 25.58	\$ 90.92	\$ 181.83
131			MISCELLANEOUS										
			4" Square Ceiling Mounted Junction Box	EA	13	0%	13	0.245	\$ 179.00	\$ 43.86	\$ 4.50	\$ 48.36	\$ 628.62
132			Junction Box	EA	66	0%	66	0.220	\$ 179.00	\$ 39.38	\$ 4.50	\$ 43.88	\$ 2,896.68
133			SAW CUT										
			Saw Cut & Repair Concrete Floor For Conduit Installation	LF	21	0%	21	0.152	\$ 179.00	\$ 27.21	\$ -	\$ 574.91	\$ 574.91
												SUBTOTAL	\$ 530,217
COMMUNICATION													
134			CONDUIT										
			3/4" EMT Conduit Up to Ceiling	LF	480	10%	528	0.062	\$ 179.00	\$ 11.10	\$ 2.03	\$ 13.13	\$ 6,931.58
135			3/4" PVC SCH 40 Conduit	LF	7	10%	8	0.052	\$ 179.00	\$ 9.31	\$ 1.10	\$ 10.41	\$ 80.83
136			CONDUCTOR										
			CAT6 Cable	LF	4940	10%	5434	0.013	\$ 179.00	\$ 2.33	\$ 0.30	\$ 2.63	\$ 14,280.82
137			Coaxial Cable	LF	151	10%	166	0.014	\$ 179.00	\$ 2.51	\$ 0.34	\$ 2.85	\$ 472.50
138			J-HOOK										
			C- J-Hook	EA	75	0%	75	0.120	\$ 179.00	\$ 21.48	\$ 1.20	\$ 22.68	\$ 1,701.00
139			DEVICES										
			8" Tall x 3/4" Thick Plywood Telephone Terminal Backboard With Fire Retardant Paint	LF	20	0%	20	0.096	\$ 179.00	\$ 17.18	\$ 5.76	\$ 22.94	\$ 460.03
140			Telephone Outlet	EA	3	0%	3	0.225	\$ 179.00	\$ 40.28	\$ 10.57	\$ 50.85	\$ 152.54
			RJ45 Connector	EA	3	0%	3	0.100	\$ 179.00	\$ 17.90	\$ 1.00	\$ 18.90	\$ 56.70
			Backbox	EA	3	0%	3	0.220	\$ 179.00	\$ 39.38	\$ 4.50	\$ 43.88	\$ 131.64
			Facplate	EA	3	0%	3	0.150	\$ 179.00	\$ 29.85	\$ 3.50	\$ 33.35	\$ 91.05
141			Telephone/Computer Outlet	EA	28	0%	28	0.254	\$ 179.00	\$ 45.47	\$ 13.52	\$ 58.99	\$ 1,651.61
			RJ45 Connector	EA	56	0%	56	0.100	\$ 179.00	\$ 17.90	\$ 1.00	\$ 18.90	\$ 1,058.40
			Backbox	EA	28	0%	28	0.220	\$ 179.00	\$ 39.38	\$ 4.50	\$ 43.88	\$ 1,228.64
			Facplate	EA	28	0%	28						

DETAILED BREAKDOWN OF ITEMS														
Prepared for: Metro Air Park Fire Station #44, 7305 Metro Air Parkway, Sacramento, CA														
Project ID: 7112026														
Scope: Electrical														
											Date:	09/23/26		
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
153	E3.1, E3.2, E3.3, AS1.1 & AS1.1		Fire Alarm Annunciator Panel	EA	1	0%	1	1.852	\$ 179.00	\$ 331.51	\$ 10.34	\$ 341.85	\$ 341.85	
154			Fire Alarm Control Panel	EA	1	0%	1	2.235	\$ 179.00	\$ 400.07	\$ 1,598.25	\$ 1,998.32	\$ 1,998.32	
155			Fire Alarm Horn/Strobe Device	EA	3	0%	3	0.725	\$ 179.00	\$ 129.78	\$ 97.50	\$ 227.28	\$ 681.83	
156			Fire Alarm Manual Pull Station	EA	1	0%	1	0.665	\$ 179.00	\$ 119.04	\$ 69.73	\$ 188.77	\$ 188.77	
157			Fire Alarm Strobe	EA	9	0%	9	0.485	\$ 179.00	\$ 86.82	\$ 57.43	\$ 144.25	\$ 1,298.21	
158			Fire Alarm Strobe/Horn	EA	9	0%	9	0.725	\$ 179.00	\$ 129.78	\$ 97.50	\$ 227.28	\$ 2,045.48	
159			First Alert / BRK Hardwired Carbon Monoxide Detector With Integral Battery Backup, #C051208	EA	7	0%	7	0.410	\$ 179.00	\$ 73.39	\$ 34.95	\$ 108.34	\$ 758.38	
160			Manual Pull Station	EA	5	0%	5	0.665	\$ 179.00	\$ 119.04	\$ 69.73	\$ 188.77	\$ 943.83	
161			Smoke Detector With Auxiliary Contacts	EA	9	0%	9	0.521	\$ 179.00	\$ 93.26	\$ 108.49	\$ 201.75	\$ 1,615.74	
			FIRST-IN ALERT SYSTEM											
			CONDUIT											
162				3/4" EMT Conduit With Pull String	LF	14	10%	15	0.062	\$ 179.00	\$ 11.10	\$ 2.03	\$ 13.13	\$ 198.85
163				1" EMT Conduit With Pull String	LF	300	10%	330	0.070	\$ 179.00	\$ 12.53	\$ 3.10	\$ 15.63	\$ 5,161.17
164				2" PVC SCH 40 Conduit With Pull String	LF	71	10%	78	0.052	\$ 179.00	\$ 9.31	\$ 3.41	\$ 12.72	\$ 986.98
			DEVICES											
165				SC: Satellite Controller	EA	17	0%	17	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
166				EB: Emergency Button	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
167				DB: Doorbell Button	EA	1	0%	1	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
168				DL: Dorm Light	EA	7	0%	7	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
169				DR: Dorm Remote	EA	4	0%	4	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
170				S: Satellite	EA	7	0%	7	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
171				HPA AMP Single: High-Powered Amplifier Module Single	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
172				MCU: Master Control Unit	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
173				DSLP: Data Line Surge Protector	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
174				RIU: Radio Isolation Unit	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
175				CR: Control Remote	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
176				AUX: Auxiliary Module	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
177				TIME: Telephone Interface Module	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
178				PM UPS: Power Module with UPS - Black (Required Dedicated Circuit 12V)	EA	4	0%	4	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
179				CI-M: Company Indicator Medium	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
180				TT-M: Turnout Timer Medium	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
181				ASLA: Alerting Strobe Light Adapter	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
182				Outside Speakers: In Conjunction With	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
183				OSA Single: Outside Speaker Audio Module Single	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
184				Spk Omni 8": 8" Omni Directional Speaker	EA	3	0%	3	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
185				App-Dual-XL 7' 40"	EA	2	0%	2	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
186				HPA AMP Dual: High-Powered Amplifier Module Dual	EA	1	0%	1	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
187				HPS: High-Powered Amplified Speaker (In Conjunction with HPA AMP)	EA	1	0%	1	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
188				T: Acoustic Ceiling Kit	EA	11	0%	11	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
189				DLT: Dorm Line Acoustic Ceiling Mount Kit	EA	7	0%	7	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
190				BK BX DR: Drum Remote Backbox Provided by Westnet	EA	4	0%	4	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
191				BK BX ASL-F: Custom Backbox Provided by Westnet	EA	1	0%	1	0.000	\$ 179.00	\$ -	\$ -	\$ -	\$ -
			MISCELLANEOUS											
192				H: 8x10x4 Hoffman Backbox	EA	19	0%	19	0.432	\$ 179.00	\$ 77.33	\$ 50.80	\$ 128.13	\$ 2,434.43
193				GS: 4" Square Box	EA	6	0%	6	0.220	\$ 179.00	\$ 39.38	\$ 43.88	\$ 83.26	\$ 1,640.40
194				4 Square Deep Single Gang Ring Box	EA	3	0%	3	0.332	\$ 179.00	\$ 59.43	\$ 12.70	\$ 72.13	\$ 216.38
			SAW CUT											
195				Saw Cut & Repair Concrete Floor For Conduit Installation	LF	71	0%	71	0.112	\$ 179.00	\$ 20.05	\$ -	\$ 20.05	\$ 1,416.99
											SUBTOTAL	\$	44,611	
UTILITIES														
			DISTRIBUTION											
			CONDUIT											
196			1" PVC SCH 40 Conduit With Pull String	LF	110	10%	121	0.025	\$ 179.00	\$ 4.48	\$ 1.47	\$ 5.95	\$ 719.35	
197			3" PVC SCH 40 Conduit	LF	220	10%	242	0.052	\$ 179.00	\$ 9.31	\$ 5.60	\$ 14.91	\$ 3,607.74	
198			3" PVC SCH 40 Conduit With Pull String	LF	110	10%	121	0.052	\$ 179.00	\$ 9.31	\$ 5.60	\$ 14.91	\$ 1,803.87	
199			4" PVC SCH 40 Conduit With Pull String	LF	111	10%	122	0.058	\$ 179.00	\$ 10.38	\$ 9.12	\$ 19.50	\$ 2,381.19	
200			5" PVC SCH 40 Conduit	LF	310	10%	341	0.063	\$ 179.00	\$ 11.28	\$ 10.76	\$ 22.04	\$ 7,514.62	
201		For Future High Voltage Service	5" PVC SCH 40 Conduit With Pull String	LF	167	10%	184	0.063	\$ 179.00	\$ 11.28	\$ 10.76	\$ 22.04	\$ 4,048.20	
			CONDUCTOR											
202			#2 CU THHN/THWN	LF	220	10%	242	0.018	\$ 179.00	\$ 3.22	\$ 2.60	\$ 5.82	\$ 1,408.92	
203			#250 KCMIL CU THHN/THWN	LF	968	10%	1,068	0.040	\$ 179.00	\$ 7.16	\$ 7.20	\$ 14.36	\$ 13,900.48	
204			#750 KCMIL AL THHN/THWN	LF	1,240	10%	1,364	0.050	\$ 179.00	\$ 8.95	\$ 5.83	\$ 14.78	\$ 20,159.92	
			LUGS											
205			Compression Lug CU With 1-Hole , #2 CU Wire	EA	4	0%	4	0.320	\$ 179.00	\$ 57.28	\$ 5.60	\$ 62.88	\$ 251.52	
206			Heat Shrink Tubing for #2 CU Wire	EA	4	0%	4	0.110	\$ 179.00	\$ 19.69	\$ 1.62	\$ 21.31	\$ 85.24	
207			Compression Lug CU With 1-Hole , #250 KCMIL CU Wire	EA	16	0%	16	0.220	\$ 179.00	\$ 93.08	\$ 21.95	\$ 115.03	\$ 1,840.40	
208			Heat Shrink Tubing for #250 KCMIL CU Wire	EA	16	0%	16	0.200	\$ 179.00	\$ 35.80	\$ 2.70	\$ 38.50	\$ 616.00	
209			Compression Lug AL With 1-Hole , #750 KCMIL AL Wire	EA	16	0%	16	0.745	\$ 179.00	\$ 133.36	\$ 46.12	\$ 179.48	\$ 2,871.60	
210			Heat Shrink Tubing for #750 KCMIL AL Wire	EA	16	0%	16	0.289	\$ 179.00	\$ 51.73	\$ 7.28	\$ 59.01	\$ 944.18	
			CIRCUIT BREAKER											
211			3P/500A Breaker	EA	1	0%	1	2.250	\$ 179.00	\$ 402.75	\$ 1,695.99	\$ 2,098.74	\$ 2,098.74	
			DEVICES											
212			150KW, 108KVA Diesel Fueled Emergency Generator, Blue Star Tier 4 With Double Containment	EA	1	0%	1	52.325	\$ 179.00	\$ 9,366.18	\$ 62,899.00	\$ 72,265.18	\$ 72,265.18	
213			Service Transformer 225 KVA Rating is Assumed As Not Mentioned in Plans, Please Confirm & Revise Cost if Required.	EA	1	0%	1	68.320	\$ 179.00	\$ 12,229.28	\$ 15,995.00	\$ 28,224.28	\$ 28,224.28	
			POWER											
			CONDUIT											
214			3/4" EMT Conduit	LF	38	10%	42	0.062	\$ 179.00	\$ 11.10	\$ 2.03	\$ 13.13	\$ 548.75	
215			1-1/2" PVC SCH 40 Conduit With Pull String	LF	100	10%	110	0.063	\$ 179.00	\$ 11.28	\$ 3.40	\$ 14.68	\$ 1,614.47	
216			2" EMT Conduit With Pull String	LF	116	10%	128	0.100	\$ 179.00	\$ 17.90	\$ 7.00	\$ 24.90	\$ 3,177.74	
217			3/4" PVC SCH 40 Conduit	LF	114	10%	125	0.013	\$ 179.00	\$ 2.33	\$ 1.10	\$ 3.43	\$ 429.25	
218		For Future Fuel Pump Power	3/4" PVC SCH 40 Conduit With Pull String	LF	100	10%	110	0.013	\$ 179.00	\$ 2.33	\$ 1.10	\$ 3.43	\$ 376.97	
			CONDUCTOR											
219			#12 CU THHN/THWN	LF	60	10%	66	0.007	\$ 179.00	\$ 1.25	\$ 0.29	\$ 1.54	\$ 101.84	
220			#10 CU THHN/THWN	LF	396	10%	436	0.008	\$ 179.00	\$ 1.43	\$ 0.44	\$ 1.87	\$ 815.44	
			DEVICE											
221			Duplex Receptacle, GFCI, WP	EA	1	0%	1	0.352	\$ 179.00	\$ 63.01	\$ 29.87	\$ 92.88	\$ 92.88	
222			Emergency Shut-Off Switch	EA	1	0%	1	0.521	\$ 179.00	\$ 93.26	\$ 71.59	\$ 164.85	\$ 164.85	
223			Irrigation Controller	EA	1	0%	1	1.758	\$ 179.00	\$ 314.68	\$ 671.59	\$ 986.27	\$ 986.27	
			SITE LIGHTING											
			CONDUIT											
224			3/4" EMT Conduit	LF	83	10%	91	0.062	\$ 179.00	\$ 11.10	\$ 2.03	\$ 13.13	\$ 1,198.59	
225			3/4" PVC SCH 40 Conduit	LF	308	10%	339	0.013	\$ 179.00	\$ 2.33	\$ 1.10	\$ 3.43	\$ 1,161.07	
			CONDUCTOR											
226			#10 CU THHN/THWN	LF	1173	10%	1,290	0.008	\$ 179.00	\$ 1.43	\$ 0.44	\$ 1.87	\$ 2,415.44	
			LIGHTING FIXTURES											
227			S1: LED Pole Light (Motion Response), GARDCO P26-196L-2100-NW-62-AR-3-120-4MR13-82" Mounting: 18" Pole On 2" Cone Base Watts: 95 W Remarks: Verify Finish Color With Architect.	EA	4	0%	4	1.625	\$ 179.00	\$ 290.88	\$ 1,578.92	\$ 1,869.80	\$ 7,479.18	
			18" Straight Steel Pole	EA	4	0%	4	2.235	\$ 179.00	\$ 400.07	\$ 1,094.00	\$ 1,494.07	\$ 5,976.26	
			Anchor Bolt	EA	20	0%	20	0.132	\$ 179.00	\$ 23.63	\$ 4.99	\$ 28.62	\$ 572.36	
			Concrete Base	EA	4	0%	4	2.232	\$ 179.00	\$ 399.53	\$ 220.58	\$ 620.11	\$ 2,480.43	

NEDES
National Estimating, Drafting & Engineering Service

Date: 09/23/26

1. Online sources are used for pricing.
2. Prices can vary depending upon field conditions.

MATERIAL LIST

Prepared for: Metro Air Park Fire Station #44, 7305 Metro Air Parkway, Sacramento, CA
 Project ID: 7112026
 Scope: Electrical



Date: 09/23/26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
ELECTRICAL DISTRIBUTION							
			CONDUIT (CUT LENGTH = 10 LF)				
1			1" EMT Conduit	EA	35	10%	39
2			1-1/4" EMT Conduit	EA	6	10%	7
3			2" EMT Conduit	EA	23	10%	25
4			3" EMT Conduit	EA	6	10%	7
5			1" RGS Conduit	EA	2	10%	2
			CONDUCTOR (1 ROLL = 200 LF)				
6			#10 CU THHN/THWN	ROLL	2	10%	2
7			#8 CU THHN/THWN	ROLL	4	10%	4
8			#6 CU THHN/THWN	ROLL	3	10%	3
9			#4 CU THHN/THWN	ROLL	1	10%	1
10			#1 CU THHN/THWN	ROLL	1	10%	1
11			#3/0 CU THHN/THWN	ROLL	5	10%	6
12			#350 KCMIL CU THHN/THWN	ROLL	1	10%	1
			LUGS				
13			Compression Lug CU With 1-Hole , #8 CU Wire	EA	26	0%	26
14			Heat Shrink Tubing for #8 CU Wire	EA	26	0%	26
15			Compression Lug CU With 1-Hole , #6 CU Wire	EA	14	0%	14
16			Heat Shrink Tubing for #6 CU Wire	EA	14	0%	14
17			Compression Lug CU With 1-Hole , #4 CU Wire	EA	6	0%	6
18			Heat Shrink Tubing for #4 CU Wire	EA	6	0%	6
19			Compression Lug CU With 1-Hole , #1 CU Wire	EA	8	0%	8
20			Heat Shrink Tubing for #1 CU Wire	EA	8	0%	8
21			Compression Lug CU With 1-Hole , #3/0 CU Wire	EA	32	0%	32
22			Heat Shrink Tubing for #3/0 CU Wire	EA	32	0%	32
23			Compression Lug CU With 1-Hole , #350 KCMIL CU Wire	EA	32	0%	32
24			Heat Shrink Tubing for #350 KCMIL CU Wire	EA	32	0%	32
			CIRCUIT BREAKER				
25			1P/15A Breaker	EA	3	0%	3
26			1P/20A Breaker	EA	83	0%	83
27			1P/30A Breaker	EA	6	0%	6
28			2P/15A Breaker	EA	3	0%	3
29			2P/20A Breaker	EA	4	0%	4
30			2P/30A Breaker	EA	4	0%	4
31			2P/35A Breaker	EA	1	0%	1
32			2P/40A Breaker	EA	4	0%	4
33			3P/15A Breaker	EA	6	0%	6
34			3P/20A Breaker	EA	1	0%	1
35			3P/35A Breaker	EA	4	0%	4
36			3P/50A Breaker	EA	1	0%	1
37			3P/70A Breaker	EA	1	0%	1
38			3P/200A Breaker	EA	4	0%	4
39			3P/600A Breaker	EA	1	0%	1
40			3P/800A Breaker	EA	1	0%	1
			PANEL				
41			Panel A: 600A, 120/208V, 3PH, 4W, Mains: MLO, 42 Poles, Surface Mounted,	EA	1	0%	1
42			Panel AC: 200A, 120/208V, 3PH, 4W, Mains: MLO, 42 Poles, Surface Mounted,	EA	1	0%	1
43			Panel B: 200A, 120/208V, 3PH, 4W, Mains: MLO, 42 Poles, Recessed Mounted,	EA	1	0%	1
44			Panel C: 200A, 120/208V, 3PH, 4W, Mains: MLO, 42 Poles, Recessed Mounted,	EA	1	0%	1
45			Panel D: 200A, 120/208V, 3PH, 4W, Mains: MLO, 42 Poles, Recessed Mounted,	EA	1	0%	1
46			Panel MSB: 800A, 120/208V, 3PH, 4W, 65KAIC	EA	1	0%	1
			DEVICES				
47			3P/600A Solid Neutral ATS	EA	1	0%	1
48			800A Meter	EA	1	0%	1
			DISCONNECT SWITCH				
49			2P/15A Heavy Duty Safety Type Fused Disconnect Switch, WP, NEMA 3R	EA	2	0%	2
50			2P/30A Heavy Duty Safety Type Fused Disconnect Switch, WP, NEMA 3R	EA	3	0%	3
51			2P/35A Heavy Duty Safety Type Fused Disconnect Switch, WP, NEMA 3R	EA	1	0%	1
52			3P/15A Disconnect Switch, WP, NEMA 3R	EA	1	0%	1
53			3P/20A Heavy Duty Safety Type Fused Disconnect Switch, WP, NEMA 3R	EA	1	0%	1
54			3P/35A Heavy Duty Safety Type Fused Disconnect Switch, WP, NEMA 3R	EA	3	0%	3
55			3P/50A Disconnect Switch, WP, NEMA 3R	EA	1	0%	1
56			3P/70A Heavy Duty Safety Type Fused Disconnect Switch	EA	1	0%	1
			GROUNDING				
57			3/4" X 10' CU Grounding Rod	EA	1	0%	1
58			Ground Busbar	EA	2	0%	2
59			Neutral Busbar	EA	1	0%	1
60			#6 CU Grounding Conductor (1 ROLL = 200 LF)	ROLL	1	10%	1
61			#3/0 CU Grounding Conductor (1 ROLL = 200 LF)	ROLL	1	10%	1
POWER							

Rating Assumed
From Panel

MATERIAL LIST

Prepared for: Metro Air Park Fire Station #44, 7305 Metro Air Parkway, Sacramento, CA
 Project ID: 7112026
 Scope: Electrical



Date: 09/23/26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
	E2.1, E2.2, E3.1, E3.2, E3.3, E4.1 & E4.2		CONDUIT (CUT LENGTH = 10 LF)				
62			3/4" EMT Conduit	EA	701	10%	771
63			1" EMT Conduit	EA	1	10%	1
64			3/4" RGS Conduit	EA	3	10%	3
65			3/4" PVC SCH 40 Conduit	EA	3	10%	3
			CONDUCTOR (1 ROLL = 200 LF)				
66			#12 CU THHN/THWN	ROLL	76	10%	84
67			#10 CU THHN/THWN	ROLL	31	10%	34
68			#8 CU THHN/THWN	ROLL	1	10%	1
			DEVICE				
69			208V, 3 Ph Receptacle Outlet	EA	1	0%	1
70			2P/30A Receptacle Outlet	EA	1	0%	1
71			3P/35A Receptacle Outlet	EA	1	0%	1
72			Combo Duplex Receptacle/USB Outlet, AFCI	EA	13	0%	13
73			Duplex Receptacle	EA	11	0%	11
74			Duplex Receptacle Floor Outlet With Brass Trim	EA	1	0%	1
75			Duplex Receptacle Outlet	EA	47	0%	47
76			Duplex Receptacle Outlet, AFCI	EA	1	0%	1
77			Duplex Receptacle Outlet, GFCI	EA	6	0%	6
78			Duplex Receptacle Outlet, GFCI, Above Counter	EA	13	0%	13
79			Duplex Receptacle Outlet, GFCI, WP	EA	7	0%	7
80			Exhaust Fan Connection	EA	9	0%	9
81			Fourplex Receptacle Outlet	EA	6	0%	6
82			Shut-Off Switch For Motorize Gate	EA	1	0%	1
83			Single Pole Switch	EA	22	0%	22
84			Single Receptacle Outlet	EA	9	0%	9
85			14" Dia. Ceiling Fan: ~14" Dia. Ceiling Fan, BIG ASS FANS ESSENCE 14"Mount	EA	1	0%	1
86			54" Dia. Ceiling Fan: 54" Dia. Ceiling Fan, BIG ASS FANS HAIKU L SERIESM	EA	6	0%	6
87			8" Dia. Ceiling Fan: ~8" Dia. Ceiling Fan, BIG ASS FANS ESSENCE 8"Mounting:	EA	3	0%	3
			LIGHTING				
			CONDUIT (CUT LENGTH = 10 LF)				
88			3/4" EMT Conduit	EA	58	10%	64
89			1" EMT Conduit	EA	250	10%	275
			CONDUCTOR (1 ROLL = 200 LF)				
90			#12 CU THHN/THWN	ROLL	4	10%	4
91			#10 CU THHN/THWN	ROLL	17	10%	19
92			#8 CU THHN/THWN	ROLL	25	10%	28
			LIGHTING FIXTURES				
93			A: 2'x2' Led Architectural Troffer, H. E. WILLIAMS AT1-22-L40/835-D-PIM-12	EA	14	0%	14
94			D: 4" Dia. Led Downlight, LITHONIA LDN4 35/10 LO4 AR LSS 120V EZ1Mou	EA	48	0%	48
95			B1: 4'x4' Led Linear Recessed, FINELITE HP-4 R-D-4'-V-835-F-96LG-120-SC-F	EA	8	0%	8
96			B3: 8'x4' Led Linear Recessed, FINELITE HP-4 R-D-8'-V-835-F-96LG-120-SC-F	EA	6	0%	6
97			C1: 4' Led Wraparound, KENALL MLHA12-48-F-MW-PP-45L40K-DCC-120M	EA	2	0%	2
98			C2: 8' Led Wraparound, KENALL MLHA12-96-F-MW-PP-45L40K-DCC-1-120M	EA	7	0%	7
99			E1: 4' Led Strip, DAY-BRITE LF4FR2035UDZTMounting: SurfaceWatts: 30 WR	EA	5	0%	5
100			E2: 8' Led Strip, DAY-BRITE LF8FR3035UDZTMounting: Ceiling PendantWatts	EA	28	0%	28
101			G: Led Flexible Task Light, ACCESS LIGHTING - BUNK 6200LED-BRZ*Mour	EA	13	0%	13
102			J: Led Exterior Wall Light With Emergency Battery Backup, LITHONIA WDGE1	EA	7	0%	7
103			K: 8"x15" Exterior Led Wall Sconce, KENALL FS512R-2TB-MPA-BR*-QL40K-	EA	14	0%	14
104			R: Led Wall Sconce With Red Lens, TERON LIGHTING - GUARDIAN GRDW1	EA	2	0%	2
105			T: Led Wall Sconce (Motion Response), GARDCO 121-MR-4-75LA-CW-UNIV-I	EA	7	0%	7
106			V: Indoor Led Louvered Step Light, INTRIGUE LIGHTING SCH-NC-LED-SG-F	EA	8	0%	8
107			W: Led Directional Sign Flood Light, LITHONIA OLF8 8 50K DDBMounting: W	EA	5	0%	5
108			W1: Led Spot Light For Flag, LITHONIA OLBS 8 50K DDBMounting: Low Wall	EA	2	0%	2
109			W2: Led Flood Light For Facade At Vehicle Door, WAC LIGHTING WP-LED35	EA	4	0%	4
110			X: Exit Sign/Emergency Light Combination, EMERGI-LITE NPR612H462LBo	EA	14	0%	14
			LIGHTING CONTROL				
111			4Way Dimmer Switch	EA	3	0%	3
112			Ceiling Mounted Vacancy Sensor, With Power Pack For Each Chain Of Sensors	EA	3	0%	3
113			Dimming Switch 20A, 120-277V	EA	12	0%	12
114			LCC, Lighting Control Cabinet	EA	1	0%	1
115			LCP, Lighting Control Panel, WATT STOPPER PEANUT PANEL, #LP8F	EA	1	0%	1
116			Multi-Speed Fan Controller, Wall Mounted	EA	9	0%	9
117		Assumed	RD: Radar Detector	EA	1	0%	1
118			Single Pole Toggle Switch	EA	2	0%	2
119			Single Pole Vacancy Sensor Dimmer Switch Wall Mounted	EA	11	0%	11
120			Single Pole Vacancy Sensor Switch Wall Mounted	EA	8	0%	8
121			Single Pole Vacancy Sensor/Timer Switch	EA	18	0%	18
122			Three Way Dimmer Toggle Switch, 20A, 120-277V	EA	8	0%	8
123			Three Way Toggle Switch, 20A, 120-277V	EA	2	0%	2
			MISCELLANEOUS				
124			4" Square Ceiling Mounted Junction Box	EA	13	0%	13
125			Junction Box	EA	66	0%	66
			SAW CUT				
126			Saw Cut & Repair Concrete Floor For Conduit Installation	EA	2	0%	2

COMMUNICATION

TELECOMMUNICATION

			CONDUIT (CUT LENGTH = 10 LF)				
127			3/4" EMT Conduit Upto Ceiling	EA	48	10%	53
128			3/4" PVC SCH 40 Conduit	EA	1	10%	1
			CONDUCTOR (1 ROLL = 200 LF)				
129			CAT6 Cable	ROLL	25	10%	28
130			Coaxial Cable	ROLL	1	10%	1
			J-HOOK				

MATERIAL LIST

Prepared for: Metro Air Park Fire Station #44, 7305 Metro Air Parkway, Sacramento, CA
Project ID: 7112026
Scope: Electrical



Date: 09/23/26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
131	E3.1, E3.2, E3.3		2" J-Hook	EA	75	0%	75
			DEVICES				
132			8' Tall x 3/4" Thick Plywood Telephone Terminal Backboard With Fire Retardant	LF	20	0%	20
133			Telephone Outlet	EA	3	0%	3
			RJ45 Connector	EA	3	0%	3
			Backbox	EA	3	0%	3
			Faceplate	EA	3	0%	3
134			Telephone/Computer Outlet	EA	28	0%	28
			RJ45 Connector	EA	56	0%	56
			Backbox	EA	28	0%	28
			Faceplate	EA	28	0%	28
135			Telephone/Computer Outlet, Floor Mounted	EA	1	0%	1
			RJ45 Connector	EA	2	0%	2
			Backbox	EA	1	0%	1
			Faceplate	EA	1	0%	1
136			TV Outlet	EA	3	0%	3
			F-Connector	EA	3	0%	3
			Backbox	EA	3	0%	3
			Faceplate	EA	3	0%	3
			SECURITY				
			CONDUIT (CUT LENGTH = 10 LF)				
137			3/4" EMT Conduit	EA	45	10%	50
			CONDUCTOR (1 ROLL = 200 LF)				
138			#18 CU THHN/THWN	ROLL	4	10%	4
			DEVICES				
139			Door Engendering Four Fold Door Control Unit	EA	4	0%	4
140			Single Pole Low Voltage Switch	EA	7	0%	7
			MISCELLANEOUS				
141			Junction Box	EA	24	0%	24
142			Pull Box	EA		0%	0
			SAW CUT				
143			Saw Cut & Repair Concrete Floor For Conduit Installation	EA	1	0%	1

ELECTRONIC SAFETY AND SECURITY

	E3.1, E3.2, E3.3, AS1.1 & AS3.1		FIRE ALARM				
			CONDUIT (CUT LENGTH = 10 LF)				
144			3/4" EMT Conduit	EA	134	10%	147
			CONDUCTOR (1 ROLL = 200 LF)				
145			#12 CU THHN/THWN	ROLL	13	10%	14
			DEVICES				
146			Fire Alarm Annunciator Panel	EA	1	0%	1
147			Fire Alarm Control Panel	EA	1	0%	1
148			Fire Alarm Horn/Strobe Device	EA	3	0%	3
149			Fire Alarm Manual Pull Station	EA	1	0%	1
150			Fire Alarm Strobe	EA	9	0%	9
151			Fire Alarm Strobe/Horn	EA	9	0%	9
152			First Alert / BRK Hardwired Carbon Monoxide Detector With Integral Battery B	EA	7	0%	7
153			Manual Pull Station	EA	5	0%	5
154			Smoke Detector With Auxiliary Contacts	EA	9	0%	9
			FIRST-IN ALERT SYSTEM				
			CONDUIT (CUT LENGTH = 10 LF)				
155			3/4" EMT Conduit With Pull String	EA	1	10%	1
156			1" EMT Conduit With Pull String	EA	30	10%	33
157			2" PVC SCH 40 Conduit With Pull String	EA	7	10%	8
			DEVICES				
158			SC: Satellite Controller	EA	17	0%	17
159			EB: Emergency Button	EA	2	0%	2
160			DB: Doorbell Button	EA	1	0%	1
161			DL: Dorm Light	EA	7	0%	7
162			DR: Dorm Remote	EA	4	0%	4
163			S: Satellite	EA	7	0%	7
164			HPA AMP Single: High-Powered Amplifier Module Single	EA	2	0%	2
165			MCU: Master Control Unit	EA	2	0%	2
166			DLSP: Data Line Surge Protector	EA	2	0%	2
167			RIU: Radio Isolation Unit	EA	2	0%	2
168			CR: Control Remote	EA	2	0%	2
169			AUX: Auxiliary Module	EA	2	0%	2
170			TIM: Telephone Interface Module	EA	2	0%	2
171			PM UPS: Power Module with UPS - Black (Required Dedicated Circuit 12V)	EA	4	0%	4
172			CI-M: Company Indicator Medium	EA	2	0%	2
173			TT-M: Turnout Timer Medium	EA	2	0%	2
174			ASLA: Alerting Strobe Light Adapter	EA	2	0%	2
175			Outside Speaker- In Conjunction With	EA	2	0%	2
176			OSA Single: Outside Speaker Audio Module Single	EA	2	0%	2
177			Spk Omni 8": 8" Omni Directional Speaker	EA	3	0%	3
178			App-Dual-KL 7-0"	EA	2	0%	2
179			HPA AMP Dual: High-Powered Amplifier Module Dual	EA	1	0%	1
180			HPS: High-Powered Amplified Speaker (In Conjunction with HPA AMP)	EA	1	0%	1
181			T: Acoustic Ceiling Kit	EA	11	0%	11
182			DLT: Dorm Lite Acoustic Ceiling Mount Kit	EA	7	0%	7
183			BK BX DR: Dorm Remote Backbox Provided by Westnet	EA	4	0%	4
184			BK BX ASLF: Custom Backbox Provided by Westnet	EA	1	0%	1
			MISCELLANEOUS				
185			H: 8x10x4 Hoffman Backbox	EA	19	0%	19
186			4S: 4" Square Box	EA	6	0%	6
187			4 Square Deep Single Gang Ring Box	EA	3	0%	3
			SAW CUT				
188			Saw Cut & Repair Concrete Floor For Conduit Installation	EA	7	0%	7

Furnished &
Installed By Westnet

MATERIAL LIST

Prepared for: Metro Air Park Fire Station #44, 7305 Metro Air Parkway, Sacramento, CA
Project ID: 7112026
Scope: Electrical



Date: 09/23/26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
UTILITIES							
DISTRIBUTION							
			CONDUIT (CUT LENGTH = 10 LF)				
189			1" PVC SCH 40 Conduit With Pull String	EA	11	10%	12
190			3" PVC SCH 40 Conduit	EA	22	10%	24
191			3" PVC SCH 40 Conduit With Pull String	EA	11	10%	12
192			4" PVC SCH 40 Conduit With Pull String	EA	11	10%	12
193			5" PVC SCH 40 Conduit	EA	31	10%	34
194		For Future High Voltage Service	5" PVC SCH 40 Conduit With Pull String	EA	17	10%	19
			CONDUCTOR (1 ROLL = 200 LF)				
195			#2 CU THHN/THWN	ROLL	1	10%	1
196			#250 KCMIL CU THHN/THWN	ROLL	4	10%	4
197			#750 KCMIL AL THHN/THWN	ROLL	6	10%	7
			LUGS				
198			Compression Lug CU With 1-Hole , #2 CU Wire	EA	4	0%	4
199			Heat Shrink Tubing for #2 CU Wire	EA	4	0%	4
200			Compression Lug CU With 1-Hole , #250 KCMIL CU Wire	EA	16	0%	16
201			Heat Shrink Tubing for #250 KCMIL CU Wire	EA	16	0%	16
202			Compression Lug AL With 1-Hole , #750 KCMIL AL Wire	EA	16	0%	16
203			Heat Shrink Tubing for #750 KCMIL AL Wire	EA	16	0%	16
			CIRCUIT BREAKER				
204			3P/500A Breaker	EA	1	0%	1
			DEVICES				
205			150KW, 188KVA Diesel Fueled Emergency Generator, Blue Star Tier 4 With Dou	EA	1	0%	1
206			Service Transformer	EA	1	0%	1
			POWER				
			CONDUIT (CUT LENGTH = 10 LF)				
207			3/4" EMT Conduit	EA	4	10%	4
208			1-1/2" PVC SCH 40 Conduit With Pull String	EA	10	10%	11
209			2" EMT Conduit With Pull String	EA	12	10%	13
210			3/4" PVC SCH 40 Conduit	EA	11	10%	12
211		For Future Fuel Pump Power	3/4" PVC SCH 40 Conduit With Pull String	EA	10	10%	11
			CONDUCTOR (1 ROLL = 200 LF)				
212			#12 CU THHN/THWN	ROLL	1	10%	1
213			#10 CU THHN/THWN	ROLL	2	10%	2
			DEVICE				
214	E1.1 & E4.1		Duplex Receptacle, GFCI, WP	EA	1	0%	1
215			Emergency Shut-Off Switch	EA	1	0%	1
216			Irrigation Controller	EA	1	0%	1
			SITE LIGHTING				
			CONDUIT (CUT LENGTH = 10 LF)				
217			3/4" EMT Conduit	EA	8	10%	9
218			3/4" PVC SCH 40 Conduit	EA	31	10%	34
			CONDUCTOR (1 ROLL = 200 LF)				
219			#10 CU THHN/THWN	ROLL	6	10%	7
			LIGHTING FIXTURES				
220			S1: LED Pole Light (Motion Response), GARDCO P26-196L-2100-NW-62-AR-3	EA	4	0%	4
			18' Straight Steel Pole	EA	4	0%	4
			Anchor Bolt	EA	20	0%	20
			TELECOMMUNICATION				
			CONDUIT (CUT LENGTH = 10 LF)				
221			2" PVC SCH 40 Conduit With Pull String	EA	21	10%	23
222			3" PVC SCH 40 Conduit With Pull String	EA	7	10%	8
223			4" PVC SCH 40 Conduit With Pull String	EA	11	10%	12
			SECURITY				
			CONDUIT (CUT LENGTH = 10 LF)				
224			1" EMT Conduit With Pull String	EA	7	10%	8
225			3/4" PVC SCH 40 Conduit	EA	7	10%	8
			CONDUCTOR (1 ROLL = 200 LF)				
226			#18 CU THHN/THWN	ROLL	1	10%	1
			DEVICES				
227			Gate Entry Access Pedestal With hard Wired Dorr King Keypad 1515-080	EA	6	0%	6
			LOW VOLTAGE				
			CONDUIT (CUT LENGTH = 10 LF)				
228			3/4" EMT Conduit With Pull String	EA	7	10%	8
229			3/4" PVC SCH 40 Conduit With Pull String	EA	7	10%	8
			MISCELLANEOUS				
230			12" X 12" X 6" WP Box	EA	1	0%	1
231			AT&T Connection Box 36" x 60" Christy Box	EA	1	0%	1
232			Comcast Connection Box 13" x 12" x 24" Concrete Christy Box	EA	1	0%	1
233			Pull Box For Future EV Charging Station	EA	4	0%	4
			TRENCHING & BACKFILLING				
234			Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	CFT	2640	0%	2640