ITEM #	DWG #	CSI #/SUB D ETAI L	D ESCR I PTI O N	QTY.	WASTE	QTY. W/ WASTE	UNIT	UNIT LABOR HOURS	TOTAL LABOR HOURS	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST
		010000	**DIVISION 01 — GENERAL REQUIREMENTS**												
1			Submittal Procedures Temporary	1	0%	1	LS	0.00	0.00	$ -	$ -	$ -	$ -	$ -	
2			Facilities and Controls Closeout	1	0%	1	LS	0.00	0.00	$ -	$ -	$ -	$-	$-	
3			Procedures Testing & Balancing	1	0%	1	LS	0.00	0.00	$ -	$ -	$ -	$-	$-	
4			Contract Modification Procedures	1	0%	1	LS	0.00	0.00	$ -	$ -	$ -	$-	$-	
5			Maintenance & Traffic Protection	1	0%	1	LS	0.00	0.00	$ -	$ -	$ -	$-	$-	
6				1	0%	1	LS	0.00	0.00	$ -	$ -	$ -	$-	$-	
			SUB TO TAL												$ -
		026000	**DIVISION 26 - ELECTRICAL**												
			Lighting Work												
			Lighting Fixtures												
7	E2 .0 -E2 .3	-	A: Surface, - Led, 1X4' Led With Drive Current Of 700Ma - 67 Watts Manufacturer: Lithonia Lighting Model: Dsxpg Led 10C 1000 40K T5M	30	0%	30	EA	1.25	37.50	$ 95.00	$ 3,562.50	$ 544.45	$ 16,333.50	$ 19,896	
8	E2 .0 -E2 .3	-	B(Em) B: Surface, - Led, 1X4' Led With Drive Current Of 700Ma, Emergency Battery Backup - 67 Watts Manufacturer: Lsi Industries Model: Dsxpg Led 10C 1000 40K T5M/Em	21	0%	21	EA	1.38	28.98	$ 95.00	$ 2,753.10	$ 620.00	$ 13,020.00	$ 15,773	
9	E2 .0 -E2 .3	-	C: Recessed, 120V, - Led High Out, 6" Downlight White Round Trim - 14W Manufacturer: Lsi Industries Ceiling Fan W/Light	267	0%	267	EA	0.75	200.78	$ 95.00	$ 19,074.48	$ 173.20	$ 46,244.40	$ 65,319	
10	E2 .0 -E2 .3	-	C-Wp Recessed, 120V, - Led High Out, 6" Downlight White Round Trim - 14W Manufacturer: Lsi Industries Model: Lrd6-07-Led-40-120-Rt6R-Wh	36	0%	36	EA	1.25	45.00	$ 95.00	$ 4,275.00	$ 452.00	$ 16,272.00	$ 20,547	
11	E2 .0 -E2 .3	-	Vanity Light Wall Mounted X: Surface, 120V, - Led, Exit Led Light - 8W	22	0%	22	EA	0.89	19.47	$ 95.00	$ 1,849.65	$ 202.25	$ 4,449.50	$ 6,299	
12	E2 .0 -E2 .3	-	Manufacturer: Lsi Industries Model: Lsx-R-6-U-Wb-Wh	32	0%	32	EA	1.00	32.00	$ 95.00	$ 3,040.00	$ 132.25	$ 4,232.00	$ 7,272	
13	E2 .0 -E2 .3	-	**Z: Universal, 120V, - Included, Exit Sign/Emergency Light Combo With Battery Pack** **Manufacturer: Dual Lite** **Model: Lxurwe**	13	0%	13	EA	0.90	11.64	$ 95.00	$ 1,105.33	$ 102.25	$ 1,329.25	$ 2,435	
14	E2 .0 -E2 .3	-		1	0%	1	EA	0.85	0.85	$ 95.00	$ 80.94	$ 70.40	$ 70.40	$ 151	
			Lighting Controls												
1	E2 .0 -E2	-	3- Way Single Pole Toggle Switch	24	0%	24	EA	0.32	7.68	$ 95.00	$ 729.60	$ 21.25	$ 510.00	$ 1,240	
5	.3 E2 .0 -	-	Junction Box	54	0%	54	EA	0.25	13.61	$ 95.00	$ 1,292.76	$ 4.25	$ 229.50	$ 1,522	
1	E2 .3 E2	-	Single Pole Toggle Switch	219	0%	219	EA	0.35	77.09	$ 95.00	$ 7,323.36	$ 12.25	$ 2,682.75	$ 10,006	
6	.0 -E2 .3	-	Single Pole Toggle Switch / Occupancy Sensor	8	0%	8	EA	0.90	7.16	$ 95.00	$ 680.20	$ 85.65	$ 685.20	$ 1,365	
1	E2 .0 -E2														
7	.3														
1															
8															
			Power Work												
1	E2 .0 -E3	-	Disconnect Switch 20A ,2P @ Accu-1,Accu-2	2	0%	2	EA	0.75	1.50	$ 95.00	$ 142.88	$ 120.25	$ 240.50	$ 383	
9	.3 E2 .0 -	-	Disconnect Switch 30A ,2P @ Bda	1	0%	1	EA	0.79	0.79	$ 95.00	$ 74.86	$ 132.25	$ 132.25	$ 207	
2	E3 .3 E2	-	Disconnect Switch 30A ,2P @ Exhust Fan	1	0%	1	EA	0.79	0.79	$ 95.00	$ 74.86	$ 132.25	$ 132.25	$ 207	
0	.0 -E3 .3	-	Disconnect Switch 30A ,2P @ Outdoor Units	18	0%	18	EA	0.79	14.18	$ 95.00	$ 1,347.48	$ 132.25	$ 2,380.50	$ 3,728	
2	E2 .0 -E3	-	Disconnect Switch 30A ,2P @ Sump Pump	1	0%	1	EA	0.79	0.79	$ 95.00	$ 74.86	$ 132.25	$ 132.25	$ 207	
1	.3 E2 .0 -	-	Disconnect Switch 30A ,2P @ Twh-2	1	0%	1	EA	0.79	0.79	$ 95.00	$ 74.86	$ 132.25	$ 132.25	$ 207	
2	E3 .3 E2	-	Disconnect Switch 30A ,2P @ Wh	16	0%	16	EA	0.79	12.61	$ 95.00	$ 1,197.76	$ 132.25	$ 2,116.00	$ 3,314	
2	.0 -E3 .3	-	Disconnect Switch 40A ,2P @ Ev Charger	1	0%	1	EA	0.82	0.82	$ 95.00	$ 77.90	$ 149.00	$ 149.00	$ 227	
2	E2 .0 -E3	-	Disconnect Switch 50A ,2P @ Ahu	16	0%	16	EA	0.85	13.60	$ 95.00	$ 1,292.00	$ 155.00	$ 2,480.00	$ 3,772	
3	.3 E2 .0 -	-	Disconnect Switch 60A ,2P @ Ahu	1	0%	1	EA	0.89	0.89	$ 95.00	$ 84.08	$ 168.00	$ 168.00	$ 252	
2	E3 .3 E2	-	Disconnect Switch 60A ,2P @ Twh-1	1	0%	1	EA	0.89	0.89	$ 95.00	$ 84.08	$ 168.00	$ 168.00	$ 252	
4	.0 -E3 .3	-	Duplex Grounding Receptacle, Ground Fault Interrupter	18	0%	18	EA	0.36	6.39	$ 95.00	$ 607.05	$ 25.32	$ 455.76	$ 1,063	
2	E2 .0 -E3	-	Duplex Grounding Receptacle, Ground Fault Interrupter Above Counter	86	0%	86	EA	0.36	30.53	$ 95.00	$ 2,900.35	$ 25.32	$ 2,177.52	$ 5,078	
5	.3 E2 .0 -	-	Duplex Receptacle	444	0%	444	EA	0.29	127.87	$ 95.00	$ 12,147.84	$ 19.20	$ 8,524.80	$ 20,673	
2	E3 .3 E2	-	Quadreplex Receptacle	2	0%	2	EA	0.45	0.90	$ 95.00	$ 85.88	$ 45.85	$ 91.70	$ 178	
6	.0 -E3 .3	-	Special Outlet 30A ,2P @ Washer & Dryer	16	0%	16	EA	0.32	5.12	$ 95.00	$ 486.40	$ 32.25	$ 516.00	$ 1,002	
2	E2 .0 -E3	-	Special Outlet 60A ,2P @ Electric Range	16	0%	16	EA	0.39	6.21	$ 95.00	$ 589.76	$ 41.52	$ 664.32	$ 1,254	
7	.3 E2 .0 -	-	Wp Duplex Grounding Receptacle, Ground Fault Interrupter	20	0%	20	EA	0.39	7.76	$ 95.00	$ 737.20	$ 29.20	$ 584.00	$ 1,321	
2	E3 .3 E2														
8	.0 -E3 .3														
2	E2 .0 -E3														
9	.3 E2 .0 -														
3	E3 .3 E2														
0	.0 -E3 .3														
3															
			Panel & Circuit Breaker												
37	E2 .0 -E3 .3	-	Xfmr-L: 75Kva Transformer Dry Type, Nema 1 - (3Ph, 480V)	1	0%	1	EA	8.00	8.00	$ 95.00	$ 760.00	$ 4,252.00	$ 4,252.00	$ 5,012	
3	E2 .0 -E3	-	Mdb-In Nema 1 Enclosure, 2,000Amp, 2-Poles Main Breaker, 65 Kaic (Nema 1 Enclosure)	1	0%	1	EA	12.25	12.25	$ 95.00	$ 1,163.75	$ 8,522.00	$ 8,522.00	$ 9,686	
3	.3	-	House Panel : 400A , 120/240V,1Ph-3W (Nema 1 Enclosure)	1	0%	1	EA	6.25	6.25	$ 95.00	$ 593.75	$ 2,522.00	$ 2,522.00	$ 3,116	
3		-	50A Disconnect Equipped (Nema 1 Enclosure)	1	0%	1	EA	0.75	0.75	$ 95.00	$ 71.44	$ 132.25	$ 132.25	$ 204	
4	E2 .0 -E3	-	Units Panels : 150A,120/240V,1Ph-3W (Nema 1 Enclosure)	16	0%	16	EA	2.25	36.00	$ 95.00	$ 3,420.00	$ 752.00	$ 12,032.00	$ 15,452	
3	.3 E2 .0 -	-	Sub Panels M: 150A,120/240V,1Ph-3W (Nema 1 Enclosure)	1	0%	1	EA	2.25	2.25	$ 95.00	$ 213.75	$ 752.00	$ 752.00	$ 966	
5	E3 .3 E2 .0 -E3 .3	-	200A Disconnect Equipped With 150A Fuses For Elevator (Nema 1 Enclosure)	1	0%	1	EA	1.25	1.25	$ 95.00	$ 118.75	$ 852.00	$ 852.00	$ 971	
6	E2 .0 -E3	-	Sub-Panel Gym: 100A,120/240V,1Ph-3W	1	0%	1	EA	2.25	2.25	$ 95.00	$ 213.75	$ 752.00	$ 752.00	$ 966	
1	.3	-	Temporary Panel A: 400A,120/240V,1Ph-3W (Nema 3R Enclosure)	1	0%	1	EA	6.25	6.25	$ 95.00	$ 593.75	$ 2,522.00	$ 2,522.00	$ 3,116	
4	E2 .0 -E3	-	Disconnect Equipped W/600Amp Fused (Nema 3R Enclosure)	1	0%	1	EA	4.52	4.52	$ 95.00	$ 429.40	$ 1,865.00	$ 1,865.00	$ 2,294	
2		-	100 Amp Main Circuit Breaker For House Panel.	1	0%	1	EA	1.00	1.00	$ 95.00	$ 95.00	$ 452.25	$ 452.25	$ 547	
4	.3					1									
3	E2 .0 -E3 .3 E2 .0 -														
4	E3 .3 E2														
4	.0 -E3 .3														
			Meters												
48	E2 .0 -E3 .3	-	3,000Amp, 120/240V, 1Ph Meter Stack (Main Electric Meter =1 Ea , Sub-Meters =16 Ea) (Nema 1 Enclosure,)	1	0%	1	EA	12.00	12.00	$ 95.00	$ 1,140.00	$ 3,252.00	$ 3,252.00	$ 4,392	
5															
4															
6															
4															
7															
			Site Electrical												
			Grounding												
49	E2 .0 -E3 .3	-	5/8" X 10' Long Driven Cooper Clad Ground Rods	2	0%	2	EA	0.52	1.04	$ 95.00	$ 98.80	$ 58.62	$ 117.24	$ 216	
			Consuit & Wires												
5	E2 .0 -E3	-	# 500 Kcmil Cu Thwn	2453	0%	2453	LF	0.03	80.94	$ 95.00	$ 7,689.15	$ 11.19	$ 27,445.49	$ 35,135	
0	.3 E2 .0 -	-	#1 Thwn (High-Leg)	136	0%	136	LF	0.02	2.04	$ 95.00	$ 194.17	$ 2.35	$ 320.21	$ 514	
5	E3 .3 E2	-	4" Conduit	145	0%	145	LF	0.17	24.36	$ 95.00	$ 2,314.20	$ 8.25	$ 1,196.25	$ 3,510	
1	.0 -E3 .3	-	# 500 Cu Thwn,	26	0%	26	LF	0.03	0.86	$ 95.00	$ 81.82	$ 11.19	$ 292.06	$ 374	
5	E2 .0 -E3	-	#4 Thwn Cu Gnd	9	0%	9	LF	0.01	0.09	$ 95.00	$ 8.27	$ 1.28	$ 11.14	$ 19	
2	.3 E2 .0 -	-	# 1/0 Cu Thwn,	5052	0%	5052	LF	0.02	85.88	$ 95.00	$ 8,158.98	$ 2.56	$ 12,933.12	$ 21,092	
5	E3 .3 E2	-	#6 Thwn Cu Gnd	1343	0%	1343	LF	0.01	13.43	$ 95.00	$ 1,275.85	$ 0.98	$ 1,316.14	$ 2,592	
3	.0 -E3 .3	-	2" Conduit	1263	0%	1263	LF	0.12	151.56	$ 95.00	$ 14,398.20	$ 4.98	$ 6,289.74	$ 20,688	
5	E2 .0 -E3	-	1" Conduit For Data & Communication	100	0%	100	LF	0.07	6.80	$ 95.00	$ 646.00	$ 2.10	$ 210.00	$ 856	
4	.3 E2 .0 -	-	# 3 Thwn Cu	240	0%	240	LF	0.01	2.88	$ 95.00	$ 273.60	$ 1.61	$ 386.40	$ 660	
5	E3 .3 E2	-	1-1/4" Conduit	80	0%	80	LF	0.09	7.04	$ 95.00	$ 668.80	$ 3.88	$ 310.40	$ 979	
5	.0 -E3 .3	-	Cat 5E	100	0%	100	LF	0.01	0.90	$ 95.00	$ 85.50	$ 0.22	$ 22.00	$ 108	
5	E2 .0 -E3														
6	.3 E2 .0 -														
5	E3 .3 E2														
7	.0 -E3 .3		**Allowance**												
5	E2 .0 -E3														
8	.3 E2 .0 -														
64	E3 .0 -E3 .3	-	Allowance For All Type Of Electrical Wiring, Conduits And Connections - Working Area: 31454.84 Sf	1	0%	1	LS		0.00	$ -	$ -		$ -	$ 45,200	
9															
6															
0															
6			**Subtotal**												$ 373,815
1		027000	**Division 27 - Communication**												
2															
6															
3			**Outlet**												
6		-	800 Mhz Shark-Fin Antena Booster	3	0%	3	EA	1.00	3.00	$ 95.00	$ 285.00	$ 120.00	$ 360.00	$ 645	
5		-	Amplifier (1) Cat 5E In 1" C Tv Outlet	1	0%	1	EA	1.85	1.85	$ 95.00	$ 175.75	$ 360.00	$ 360.00	$ 536	
6		-	Back Power Supply @ Booster Amplifier	40	5%	42	LF	0.09	3.57	$ 95.00	$ 339.15	$ 1.90	$ 79.80	$ 419	
6		-		34	0%	34	EA	0.32	10.88	$ 95.00	$ 1,033.60	$ 4.25	$ 144.50	$ 1,178	
6		-		1	0%	1	EA	0.52	0.52	$ 95.00	$ 49.40	$ 102.00	$ 102.00	$ 151	
7										$ 95.00					
6										$ 95.00					
70		-	Allowance For All Type Of Electrical Wiring, Conduits And Connections - Working Area: 31454.84 Sf	1	0%	1	LS		0.00		$ -		$ -	$ 1,200	
6															
9															
			Subtotal												$ 4,129
		28000	**Division 28 - Electronic Safety And Security**												
			Fire Alaram												
7		-	Ceiling Mounted 360 Degree Occupancy Sensor	6	0%	6	EA	0.85	5.11	$ 95.00	$ 485.64	$ 95.25	$ 571.50	$ 1,057	
1		-	Co/S-Combination Of Carbon Monoxide & Smke Detector	22	0%	22	EA	0.99	21.67	$ 95.00	$ 2,058.65	$ 120.25	$ 2,645.50	$ 4,704	
7		-	Smoke Detector	36	0%	36	EA	0.81	29.16	$ 95.00	$ 2,770.20	$ 81.32	$ 2,927.52	$ 5,698	
1										$ 95.00					
7										$ 95.00					
73		-	Allowance For All Type Of Electrical Wiring, Conduits And Connections - Working Area: 31454.84 Sf	1	0%	1	LS		0.00		$ -		$ -	$ 2,985	
			SUB TO TAL												$ 14,444
SUB TOTAL											$ 112,554		$ 216,061	$ 373,815	$ 392,388
TAX													7.5%		$ 29,429
PROFIT													20%		$ 78,478
CO NTI G ENCI ES													5%		$ 19,619
TOTAL BASE BID															$ 519,914

General Exclusions: Any kind of controlled inspection, contaminated material, architect and engineering fees, security, building charges, signage, sign off, protection of adjoining building (if any), any work not mentioned above.

General Notes: The prices used are taken from RS Means online i.e. the standard pricing, the company is not responsible for any kind of variations in the prices. So it is preferred to review the prices.

SIGMA ESTIMATION