GENERAL SUMMARY

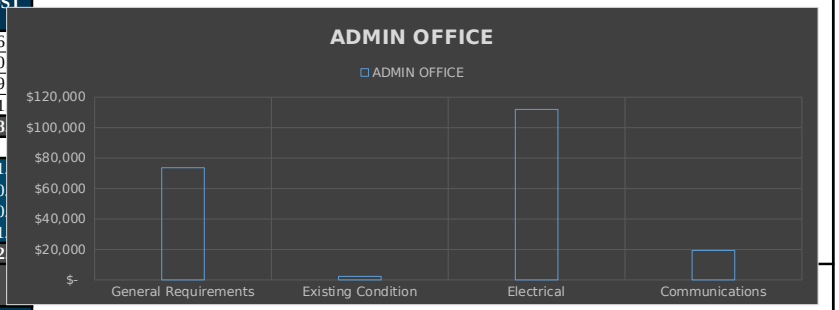
Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition
No. Of Floors: 1
Date: 28-Sep-26

ELECTRICAL ESTIMATION
+1 708-381-0900

BUILDING GSF 11,360

ADMIN OFFICE

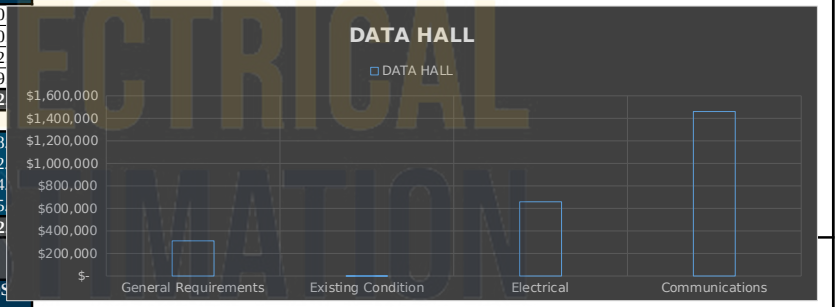
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	$ 73,671	$ 6
2000	Existing Condition	$ 2,310	$ 0
26000	Electrical	$ 111,963	$ 9
27000	Communications	$ 19,345	$ 1
	TOTAL TRADE COST	$ 207,288	$ 18
OVERHEAD AND PROFIT	10%	$ 20,729	$ 1
INSURANCE	3%	$ 6,219	$ 0
CONTINGENCY	5%	$ 10,364	$ 0
TAX	7.00%	$ 6,904	$ 1
	SUGGESTED BID	$ 251,504	$ 22



BUILDING GSF 29,650

DATA HALL

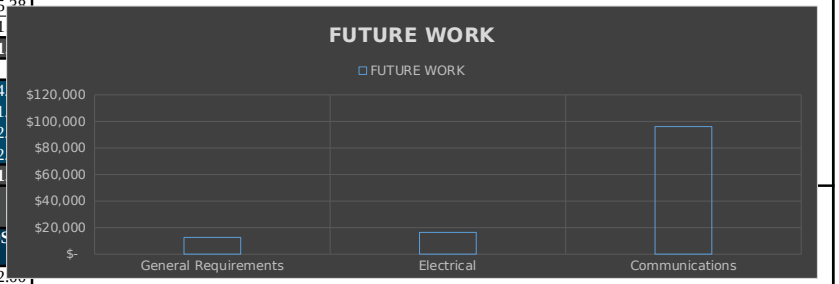
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	$ 312,343	$ 10
2000	Existing Condition	$ 276	$ 0
26000	Electrical	$ 658,838	$ 22
27000	Communications	$ 1,460,229	$ 49
	TOTAL TRADE COST	$ 2,431,686	$ 82
OVERHEAD AND PROFIT	10%	$ 243,169	$ 8
INSURANCE	3%	$ 72,951	$ 2
CONTINGENCY	5%	$ 121,584	$ 4
TAX	7.00%	$ 128,047	$ 5
	SUGGESTED BID	$ 2,997,437	$ 102



BUILDING GSF 3,047

FUTURE WORK

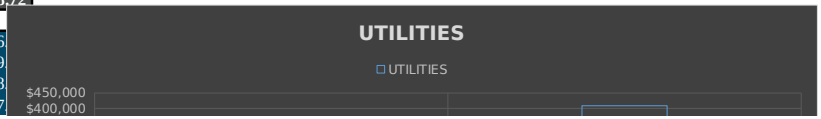
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	$ 12,600	$ 4.14
26000	Electrical	$ 16,383	$ 5.38
27000	Communications	$ 96,116	$ 31
	TOTAL TRADE COST	$ 125,099	$ 41
OVERHEAD AND PROFIT	10%	$ 12,510	$ 4
INSURANCE	3%	$ 3,753	$ 1
CONTINGENCY	5%	$ 6,255	$ 2
TAX	7.00%	$ 6,838	$ 2
	SUGGESTED BID	$ 154,455	$ 51



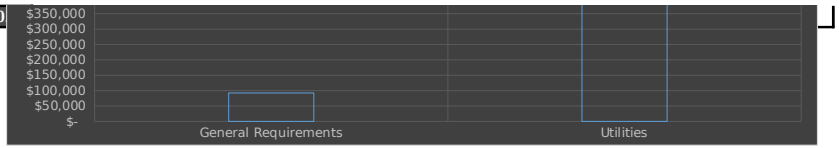
BUILDING GSF 1

UTILITIES

DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	$ 92,442	$ 92,442.00
2000	Utilities	$ 408,527	$ 408,526.72
	TOTAL TRADE COST	$ 500,969	$ 500,968.72
OVERHEAD AND PROFIT	10%	$ 50,097	$ 50,096.87
INSURANCE	3%	$ 15,029	$ 15,029.06
CONTINGENCY	5%	$ 25,048	$ 25,048.44
TAX	7.00%	$ 18,693	$ 35,067.08



SUGGESTED BID	$ 609,836	$ 626,210



Total Manhours	15670
Numbe of Working Hours per Day	10
Crew Size	18
Total Wokring Days	87
Start Date	
End Date	

ELECTRICAL ESTIMATION

DETAILED BREAKDOWN OF ITEMS

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			GENERAL REQUIREMENTS										
1			Site Supervision (Field Clerk/Safety/Engineer/Quality)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 10,545.50	$ 10,545.50
2			Project Manager	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 18,000.00	$ 18,000.00
3			Fork Lift & Scissor Lift Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 6,500.00	$ 6,500.00
4			Equipment Handling Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 2,625.00	$ 2,625.00
5			Per Diem Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 17,250.00	$ 17,250.00
4			Testing & Comissioning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 3,125.00	$ 3,125.00
5			Offfice Trailers & Facilities (BRMs, Lunch Tent(s), Bathrooms, etc.)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 5,625.00	$ 5,625.00
5			Temporary Fencing, Barriers & Signage	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 6,500.00	$ 6,500.00
6			Security (incl. gates, guard shacks, etc.)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 3,500.00	$ 3,500.00
												SUBTOTAL	**$ 73,671**
			EXISTING CONDITIONS										
			DEMOLITION										
7	F2 & D3		Existing Ceiling Light Fixture To Be Removed With Associate Wiring And Conduit In This Area (7418 SF)	LS	1	0%	1	74.180	$ 30.72	$ 2,278.81	$ -	$ 2,278.81	$ 2,278.81
8			Existing Equipment Connection/Disconnect Switch To Be Removed	EA	1	0%	1	1.000	$ 30.72	$ 30.72	$ -	$ 30.72	$ 30.72
												SUBTOTAL	**$ 2,310**
			ELECTRICAL										
			DISTRIBUTION										
			CONDUIT										
9			1" EMT Conduit	LF	212	10%	233	0.068	$ 30.72	$ 2.09	$ 2.10	$ 4.19	$ 976.87
10			1-1/2" EMT Conduit	LF	7	10%	8	0.088	$ 30.72	$ 2.70	$ 3.88	$ 6.58	$ 50.69
11		**Assumed**	1-1/2" EMT Conduit	LF	7	10%	8	0.088	$ 30.72	$ 2.70	$ 3.88	$ 6.58	$ 50.69
			CONDUCTOR										
12			#8 AL THHN/THWN	LF	212	10%	233	0.009	$ 30.72	$ 0.28	$ 0.42	$ 0.70	$ 162.42
13			#6 AL THHN/THWN	LF	14	10%	15	0.010	$ 30.72	$ 0.31	$ 0.48	$ 0.79	$ 12.12
14			#4 AL THHN/THWN	LF	847	10%	932	0.011	$ 30.72	$ 0.34	$ 0.55	$ 0.89	$ 827.28
15		**Assumed**	#1/0 AL THHN/THWN	LF	56	10%	62	0.016	$ 30.72	$ 0.49	$ 0.98	$ 1.47	$ 90.65
			LUGS										
16			Compression Lug AL With 1-Hole , #8 AL Wire	EA	2	0%	2	0.298	$ 30.72	$ 9.15	$ 2.10	$ 11.25	$ 22.51
17			Heat Shrink Tubing for #8 AL Wire	EA	2	0%	2	0.052	$ 30.72	$ 1.60	$ 0.52	$ 2.12	$ 4.23
18			Compression Lug AL With 1-Hole , #6 AL Wire	EA	2	0%	2	0.352	$ 30.72	$ 10.81	$ 2.85	$ 13.66	$ 27.33
19			Heat Shrink Tubing for #6 AL Wire	EA	2	0%	2	0.068	$ 30.72	$ 2.09	$ 0.68	$ 2.77	$ 5.54
20		**Assumed**	Compression Lug AL With 1-Hole , #6 AL Wire	EA	2	0%	2	0.352	$ 30.72	$ 10.81	$ 2.85	$ 13.66	$ 27.33
21			Heat Shrink Tubing for #6 AL Wire	EA	2	0%	2	0.068	$ 30.72	$ 2.09	$ 0.98	$ 3.07	$ 6.14
22			Compression Lug AL With 1-Hole , #4 AL Wire	EA	8	0%	8	0.420	$ 30.72	$ 12.90	$ 3.20	$ 16.10	$ 128.82
23			Heat Shrink Tubing for #4 AL Wire	EA	8	0%	8	0.085	$ 30.72	$ 2.61	$ 1.05	$ 3.66	$ 29.29
24			Compression Lug AL With 1-Hole , #1 AL Wire	EA	8	0%	8	0.452	$ 30.72	$ 13.89	$ 4.85	$ 18.74	$ 149.88
25			Heat Shrink Tubing for #1 AL Wire	EA	8	0%	8	0.098	$ 30.72	$ 3.01	$ 1.25	$ 4.26	$ 34.08
26			Compression Lug AL With 1-Hole , #1/0 AL Wire	EA	8	0%	8	0.520	$ 30.72	$ 15.97	$ 5.20	$ 21.17	$ 169.40
27			Heat Shrink Tubing for #1/0 AL Wire	EA	8	0%	8	0.102	$ 30.72	$ 3.13	$ 1.52	$ 4.65	$ 37.23
28		**Assumed**	Compression Lug AL With 1-Hole , #1/0 AL Wire	EA	8	0%	8	0.520	$ 30.72	$ 15.97	$ 5.20	$ 21.17	$ 169.40
29			Heat Shrink Tubing for #1/0 AL Wire	EA	8	0%	8	0.102	$ 30.72	$ 3.13	$ 1.52	$ 4.65	$ 37.23
			PANEL										
30			Panel LP-1: 100A, 208/120V, 3PH, 4W, Main MLO, 42 Pole, Surface Mounted	EA	1	0%	1	4.859	$ 30.72	$ 149.27	$ 1,359.66	$ 1,508.93	$ 1,508.93
			1P/20A Breaker	EA	28	0%	28	0.333	$ 30.72	$ 10.23	$ 33.00	$ 43.23	$ 1,210.43
31		**Ampare Rating Assumed**	Panel RP-1: 100A, 208/120V, 3Ph, 4W, Main: MLO, 42 Pole, Recessed Mounted	EA	1	0%	1	4.859	$ 30.72	$ 149.27	$ 1,359.66	$ 1,508.93	$ 1,508.93
			1P/20A Breaker	EA	9	0%	9	0.333	$ 30.72	$ 10.23	$ 33.00	$ 43.23	$ 389.07
			2P/20A Breaker	EA	6	0%	6	0.520	$ 30.72	$ 15.97	$ 45.20	$ 61.17	$ 367.05
32			Panel HP-1: 400A, 480V, 3Ph, 4W, Main: MLO, 42 Pole, Recessed Mounted	EA	1	0%	1	6.215	$ 30.72	$ 190.92	$ 2,133.00	$ 2,323.92	$ 2,323.92
			3P/20A Breaker	EA	4	0%	4	0.488	$ 30.72	$ 14.99	$ 70.81	$ 85.80	$ 343.21
			3P/50A Breaker	EA	2	0%	2	0.748	$ 30.72	$ 22.98	$ 156.65	$ 179.63	$ 359.26
			DEVICES										
33			XFMR-LP-1: 30KVA, 480-208/120VAC, 3PH, 4W, Dry-Type	EA	1	0%	1	4.526	$ 30.72	$ 139.04	$ 2,884.88	$ 3,023.92	$ 3,023.92
			Expansion Anchor	EA	4	0%	4	0.168	$ 30.72	$ 5.16	$ 2.75	$ 7.91	$ 31.64
			Rod Coupler, Hex Nut And Washer Assembly	EA	4	0%	4	0.100	$ 30.72	$ 3.07	$ 1.59	$ 4.66	$ 18.65
			3/4" Threaded Rod	EA	4	0%	4	0.184	$ 30.72	$ 5.65	$ 3.49	$ 9.14	$ 36.57
			Viberation Isolater	EA	4	0%	4	0.080	$ 30.72	$ 2.46	$ 2.68	$ 5.14	$ 20.55
			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4	0%	4	0.188	$ 30.72	$ 5.78	$ 10.00	$ 15.77	$ 63.09
			3/4" Hex Nuts And Lock Washer	EA	2	0%	2	0.132	$ 30.72	$ 4.06	$ 1.00	$ 5.06	$ 10.11
			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2	0%	2	1.000	$ 30.72	$ 30.72	$ 68.51	$ 99.23	$ 198.46
			1" LFMC Conduit	LF	2	10%	2	0.100	$ 30.72	$ 3.07	$ 4.29	$ 7.36	$ 16.20
34			TX-RP-1: 30KVA, 480-480/277V, 3PH, 4W, Dry-Type (Assumed)	EA	1	0%	1	11.254	$ 30.72	$ 345.72	$ 7,715.00	$ 8,060.72	$ 8,060.72
			Expansion Anchor	EA	4	0%	4	0.168	$ 30.72	$ 5.16	$ 2.75	$ 7.91	$ 31.64
			Rod Coupler, Hex Nut And Washer Assembly	EA	4	0%	4	0.100	$ 30.72	$ 3.07	$ 1.59	$ 4.66	$ 18.65
			3/4" Threaded Rod	EA	4	0%	4	0.184	$ 30.72	$ 5.65	$ 3.49	$ 9.14	$ 36.57
			Viberation Isolater	EA	4	0%	4	0.080	$ 30.72	$ 2.46	$ 2.68	$ 5.14	$ 20.55
			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4	0%	4	0.188	$ 30.72	$ 5.78	$ 10.00	$ 15.77	$ 63.09
			3/4" Hex Nuts And Lock Washer	EA	2	0%	2	0.132	$ 30.72	$ 4.06	$ 1.00	$ 5.06	$ 10.11
			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2	0%	2	1.000	$ 30.72	$ 30.72	$ 68.51	$ 99.23	$ 198.46
			1" LFMC Conduit	LF	2	10%	2	0.100	$ 30.72	$ 3.07	$ 4.29	$ 7.36	$ 16.20
			DISCONNECT SWITCH										

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DETAILED BREAKDOWN OF ITEMS

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Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
35	E-302, E-501, E-402, E-601 & E-703		1P/20A Fusible Disconnect Switch, NEMA-1	EA	6	0%	6	0.752	$ 30.72	$ 23.10	$ 74.25	$ 97.35	$ 584.11
36			1P/20A Fusible Disconnect Switch, NEMA-3R	EA	1	0%	1	1.000	$ 30.72	$ 30.72	$ 93.08	$ 123.80	$ 123.80
37			2P/20A Fusible Disconnect Switch, NEMA-1	EA	6	0%	6	0.880	$ 30.72	$ 27.03	$ 142.51	$ 169.54	$ 1,017.26
38			3P/20A Fusible Disconnect Switch, NEMA-1	EA	4	0%	4	1.050	$ 30.72	$ 32.26	$ 172.00	$ 204.26	$ 817.02
39			3P/30A Fusible Disconnect Switch, NEMA-3R	EA	4	0%	4	1.520	$ 30.72	$ 46.69	$ 263.40	$ 310.09	$ 1,240.38
			POWER										
			CONDUIT										
40			3/4" EMT Conduit	LF	1877	10%	2065	0.060	$ 30.72	$ 1.84	$ 1.60	$ 3.44	$ 7,109.18
41			1" EMT Conduit	LF	360	10%	396	0.068	$ 30.72	$ 2.09	$ 2.10	$ 4.19	$ 1,658.83
42			3/4" RGS Conduit	LF	15	10%	17	0.065	$ 30.72	$ 2.00	$ 3.85	$ 5.85	$ 96.47
			CONDUCTOR										
43			#12 CU THHN/THWN	LF	4921	10%	5413	0.007	$ 30.72	$ 0.22	$ 0.25	$ 0.47	$ 2,517.31
44			#10 CU THHN/THWN	LF	1680	10%	1848	0.008	$ 30.72	$ 0.25	$ 0.32	$ 0.57	$ 1,045.52
45			#8 CU THHN/THWN	LF	720	10%	792	0.009	$ 30.72	$ 0.28	$ 0.85	$ 1.13	$ 892.17
			DEVICE										
46			Duplex Receptacle	EA	7	0%	7	0.335	$ 30.72	$ 10.29	$ 18.59	$ 28.88	$ 202.17
47			Duplex Receptacle, GFCI	EA	11	0%	11	0.421	$ 30.72	$ 12.93	$ 24.81	$ 37.74	$ 415.17
48			Duplex Receptacle, GFCI, Above Counter	EA	3	0%	3	0.421	$ 30.72	$ 12.93	$ 24.81	$ 37.74	$ 113.23
49			Duplex Receptacle, WP	EA	5	0%	5	0.510	$ 30.72	$ 15.67	$ 28.55	$ 44.22	$ 221.09
			LIGHTING										
			CONDUIT										
50			3/4" EMT Conduit	LF	1891	10%	2080	0.060	$ 30.72	$ 1.84	$ 1.60	$ 3.44	$ 7,162.81
			CONDUCTOR										
51			#12 CU THHN/THWN	LF	617	10%	679	0.007	$ 30.72	$ 0.22	$ 0.25	$ 0.47	$ 315.78
52			#10 CU THHN/THWN	LF	5056	10%	5562	0.008	$ 30.72	$ 0.25	$ 0.32	$ 0.57	$ 3,146.64
			LIGHTING FIXTURES										
53			C: 4' Wall Mount With Prismatic Acrylic Lens On Front And Bottom, LITHONIA LIGHTING CL L48 7000LM HEF WDL MVOLT 40K 80CRI WG Watts: 65w Mounting: Wall Mounted	EA	36	0%	36	1.215	$ 30.72	$ 37.32	$ 250.97	$ 288.29	$ 10,378.61
54			F1: 2'x4' High Efficiency Architectural Troffer, FOCAL POINT FAML-24-ACR-4000L-40K-1C-277-LD1-W Watts: 39w Mounting: Recessed	EA	28	0%	28	1.875	$ 30.72	$ 57.60	$ 205.55	$ 263.15	$ 7,368.20
			Ceiling Support Suspension	EA	112	0%	112	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 1,938.08
			Fixture Lock Clip	EA	112	0%	112	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 480.70
55			F1-EM: 2'x4' High Efficiency Architectural Troffer, FOCAL POINT FAML-24-ACR-4000L-40K-1C-277-LD1-W Watts: 39w Mounting: Recessed	EA	29	0%	29	2.685	$ 30.72	$ 82.48	$ 219.75	$ 302.23	$ 8,764.76
			Ceiling Support Suspension	EA	116	0%	116	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 2,007.30
			Fixture Lock Clip	EA	116	0%	116	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 497.87
56			F2: 2'x2' High Efficiency Architectural Troffer, FOCAL POINT FAML-22-3000LH-35K-277-LD1 Watts: 29w Mounting: Recessed	EA	4	0%	4	1.558	$ 30.72	$ 47.86	$ 124.92	$ 172.78	$ 691.13
			Ceiling Support Suspension	EA	16	0%	16	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 276.87
			Fixture Lock Clip	EA	16	0%	16	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 68.67
57			F2-EM: 2'x2' High Efficiency Architectural Troffer, FOCAL POINT FAML-22-3000LH-35K-277-LD1 Watts: 29w Mounting: Recessed	EA	2	0%	2	1.812	$ 30.72	$ 55.66	$ 124.92	$ 180.58	$ 361.17
			Ceiling Support Suspension	EA	8	0%	8	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 138.43
			Fixture Lock Clip	EA	8	0%	8	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 34.34
58			F3: 6" Round Downlight, PORTFOLIO LD6C109035D010M1H Watts: 11w Mounting: Recessed	EA	6	0%	6	1.052	$ 30.72	$ 32.32	$ 156.93	$ 189.25	$ 1,135.48
			Ceiling Support Suspension	EA	24	0%	24	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 415.30
			Fixture Lock Clip	EA	24	0%	24	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 103.01
59			F3-EM: 6" Round Downlight, PORTFOLIO LD6C109035D010M1H, Watts: 11w, Mounting: Recessed	EA	8	0%	8	1.348	$ 30.72	$ 41.41	$ 513.50	$ 554.91	$ 4,439.28
			Ceiling Support Suspension	EA	32	0%	32	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 553.74
			Fixture Lock Clip	EA	32	0%	32	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 137.34
60			H: Exterior Architectural Wall-pack-full Cutoff Forward Throw Distribution, LITHONIA LIGHTING WST LED P2 40KVF MVOLT DDBXD PE Watts: 25w Mounting: Wall Mounted	EA	8	0%	8	1.857	$ 30.72	$ 57.05	$ 997.19	$ 1,054.24	$ 8,433.90
61			HE: Exterior Architectural Wall-pack-full Cutoff Forward Throw Distribution, LITHONIA LIGHTING WST LED P2 40KVF MVOLT DDBXD PE E7WC Watts: 25w Mounting: Wall Mounted	EA	2	0%	2	2.565	$ 30.72	$ 78.80	$ 1,105.43	$ 1,184.23	$ 2,368.45
62			N-EM: Led Sealed Industries, DAY-BRIGHT V3W-4-51L-830-UNV-LFA Watts: 35w Mounting: Hanged From Struct 14' A.F.F.	EA	2	0%	2	1.384	$ 30.72	$ 42.52	$ 139.69	$ 182.21	$ 364.41
63			X1: Exit Sign Watts: 2w, Mounting: Surface	EA	11	0%	11	0.702	$ 30.72	$ 21.57	$ 71.77	$ 93.34	$ 1,026.69
64			X2: Edge Lit Exit Sign (foh), EATON, SURE-LITES EUX-6-R Watts: 2w Mounting: Universal	EA	8	0%	8	0.889	$ 30.72	$ 27.31	$ 559.05	$ 586.36	$ 4,690.88
			LIGHTING CONTROL										
65			2-Pole Toggle Switch	EA	4	0%	4	0.325	$ 30.72	$ 9.98	$ 13.84	$ 23.82	$ 95.30
66			Dual-Technology Occupancy Sensor, Ceiling Mounted	EA	18	0%	18	0.785	$ 30.72	$ 24.12	$ 49.98	$ 74.10	$ 1,333.71
67			Dual-Technology Occupancy Sensor, Wall Mounted	EA	35	0%	35	0.652	$ 30.72	$ 20.03	$ 44.98	$ 65.01	$ 2,275.33
												SUBTOTAL	**$ 111,963**
			COMMUNICATION										
			LOW VOLTAGE / BMS										
			CONDUIT										
68	IC-023		3/4" EMT Conduit	LF	923	10%	1015	0.062	$ 30.72	$ 1.90	$ 1.60	$ 3.50	$ 3,558.26
			CONDUCTOR										
69			BACnet MSTP (RS485)	LF	1476	10%	1624	0.016	$ 30.72	$ 0.49	$ 1.32	$ 1.81	$ 2,941.72
70			#18 CU THHN/THWN	LF	1846	10%	2031	0.009	$ 30.72	$ 0.28	$ 0.25	$ 0.53	$ 1,069.07
			DEVICES										
71		Furnished And Installed By BMS Contractor	Thermostat	EA	12	0%	12	1.000	$ 30.72	$ 30.72	$ 120.00	$ 150.72	$ 1,808.64
72			Pressure Differential Transmitter	EA	1	0%	1	2.520	$ 30.72	$ 77.41	$ 600.00	$ 677.41	$ 677.41
73			BMS Manager Panel, IO Cards, DDC	EA	1	0%	1	25.000	$ 30.72	$ 768.00	$ 8,522.00	$ 9,290.00	$ 9,290.00
												SUBTOTAL	**$ 19,345**

	PROJECTED COST	**$207,288**
OVERHEAD AND PROFIT	**10%**	**$20,729**
INSURANCE	**3%**	**$6,219**
CONTINGENCY	**5%**	**$10,364**
TAX	**7%**	**$6,904**
SUGGESTED BID		**$251,504**

Phone: +1 708-381-0900

DETAILED BREAKDOWN OF ITEMS

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST

Notes:

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

ELECTRICAL ESTIMATION

DETAILED BREAKDOWN OF ITEMS

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
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ELECTRICAL ESTIMATION
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Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			GENERAL REQUIREMENTS										
1			Site Supervision (Field Clerk/Safety/Engineer/Quality)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 53,100.00	$ 53,100.00
2			Project Manager	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 92,040.00	$ 92,040.00
3			Fork Lift & Scissor Lift Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 10,992.80	$ 10,992.80
4			Equipment Handling Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 4,480.00	$ 4,480.00
5			Per Diem Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 113,280.00	$ 113,280.00
4			Testing & Comissioning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 12,522.00	$ 12,522.00
5			Office Trailers & Facilities (BRMs, Lunch Tent(s), Bathrooms, etc.)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 10,500.00	$ 10,500.00
5			Temporary Fencing, Barriers & Signage	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 9,100.00	$ 9,100.00
6			Security (incl. gates, guard shacks, etc.)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 6,328.00	$ 6,328.00
												SUBTOTAL	**$ 312,343**
			EXISTING CONDITIONS										
			DEMOLITION										
7	D3		Existing Equipment Connection/Disconnect Switch To Be Removed	EA	9	0%	9	1.000	$ 30.72	$ 30.72	$ -	$ 30.72	$ 276.48
												SUBTOTAL	**$ 276**
			ELECTRICAL										
			DISTRIBUTION										
			CONDUIT										
8			1" EMT Conduit	LF	1247	10%	1372	0.068	$ 30.72	$ 2.09	$ 2.10	$ 4.19	$ 5,746.00
9			1-1/2" EMT Conduit	LF	17	10%	19	0.088	$ 30.72	$ 2.70	$ 3.88	$ 6.58	$ 123.11
10		Assumed	1-1/2" EMT Conduit	LF	7	10%	8	0.088	$ 30.72	$ 2.70	$ 3.88	$ 6.58	$ 50.69
11			3" EMT Conduit	LF	1215	10%	1337	0.152	$ 30.72	$ 4.67	$ 7.85	$ 12.52	$ 16,732.23
12		Assumed	3" EMT Conduit	LF	423	10%	465	0.152	$ 30.72	$ 4.67	$ 7.85	$ 12.52	$ 5,825.30
13			3-1/2" EMT Conduit	LF	1316	10%	1448	0.168	$ 30.72	$ 5.16	$ 8.25	$ 13.41	$ 19,413.71
			CONDUCTOR										
14			#10 CU THHN/THWN	LF	1176	10%	1294	0.008	$ 30.72	$ 0.25	$ 0.35	$ 0.60	$ 770.68
15			#6 CU THHN/THWN	LF	3528	10%	3881	0.010	$ 30.72	$ 0.31	$ 0.98	$ 1.29	$ 4,995.37
16			#8 AL THHN/THWN	LF	71	10%	78	0.009	$ 30.72	$ 0.28	$ 0.42	$ 0.70	$ 54.40
17			#6 AL THHN/THWN	LF	17	10%	19	0.010	$ 30.72	$ 0.31	$ 0.48	$ 0.79	$ 14.72
18		Assumed	#6 AL THHN/THWN	LF	7	10%	8	0.010	$ 30.72	$ 0.31	$ 0.48	$ 0.79	$ 6.06
19			#4 AL THHN/THWN	LF	284	10%	312	0.011	$ 30.72	$ 0.34	$ 0.55	$ 0.89	$ 277.39
20		For DC	#1 CU RHW	LF	764	10%	840	0.015	$ 30.72	$ 0.46	$ 3.90	$ 4.36	$ 3,664.82
21			#1/0 AL THHN/THWN	LF	740	10%	814	0.016	$ 30.72	$ 0.49	$ 0.98	$ 1.47	$ 1,197.82
22		Assumed	#1/0 AL THHN/THWN	LF	451	10%	496	0.016	$ 30.72	$ 0.49	$ 0.98	$ 1.47	$ 730.02
23			#2/0 AL THHN/THWN	LF	980	10%	1078	0.017	$ 30.72	$ 0.52	$ 1.25	$ 1.77	$ 1,910.47
24			#3/0 AL THHN/THWN	LF	543	10%	597	0.018	$ 30.72	$ 0.55	$ 1.62	$ 2.17	$ 1,297.91
25			#250 KCMIL AL THHN/THWN	LF	336	10%	370	0.019	$ 30.72	$ 0.58	$ 2.02	$ 2.60	$ 962.32
26			#300 KCMIL AL THHN/THWN	LF	2519	10%	2771	0.020	$ 30.72	$ 0.61	$ 2.47	$ 3.08	$ 8,546.56
27		Assumed	#300 KCMIL AL THHN/THWN	LF	423	10%	465	0.020	$ 30.72	$ 0.61	$ 2.47	$ 3.08	$ 1,435.17
28		For DC	#350 KCMIL CU RHW	LF	1528	10%	1681	0.021	$ 30.72	$ 0.65	$ 3.20	$ 3.85	$ 6,462.88
29			#400 KCMIL AL THHN/THWN	LF	1629	10%	1792	0.024	$ 30.72	$ 0.74	$ 3.41	$ 4.15	$ 7,431.51
30			#500 KCMIL AL THHN/THWN	LF	3948	10%	4343	0.026	$ 30.72	$ 0.80	$ 3.68	$ 4.48	$ 19,450.19
			LUGS										
31			Compression Lug AL With 1-Hole , #8 AL Wire	EA	6	0%	6	0.298	$ 30.72	$ 9.15	$ 2.10	$ 11.25	$ 67.53
32			Heat Shrink Tubing for #8 AL Wire	EA	6	0%	6	0.052	$ 30.72	$ 1.60	$ 0.52	$ 2.12	$ 12.70
33			Compression Lug CU With 1-Hole , #6 CU Wire	EA	48	0%	48	0.352	$ 30.72	$ 10.81	$ 4.25	$ 15.06	$ 723.05
34			Heat Shrink Tubing for #6 CU Wire	EA	48	0%	48	0.068	$ 30.72	$ 2.09	$ 0.68	$ 2.77	$ 132.91
35			Compression Lug AL With 1-Hole , #6 AL Wire	EA	6	0%	6	0.352	$ 30.72	$ 10.81	$ 2.85	$ 13.66	$ 81.98
36			Heat Shrink Tubing for #6 AL Wire	EA	6	0%	6	0.068	$ 30.72	$ 2.09	$ 0.68	$ 2.77	$ 16.61
37		Assumed	Compression Lug AL With 1-Hole , #6 AL Wire	EA	2	0%	2	0.352	$ 30.72	$ 10.81	$ 2.85	$ 13.66	$ 27.33
38			Heat Shrink Tubing for #6 AL Wire	EA	2	0%	2	0.068	$ 30.72	$ 2.09	$ 0.98	$ 3.07	$ 6.14
39			Compression Lug AL With 1-Hole , #4 AL Wire	EA	24	0%	24	0.420	$ 30.72	$ 12.90	$ 3.20	$ 16.10	$ 386.46
40			Heat Shrink Tubing for #4 AL Wire	EA	24	0%	24	0.085	$ 30.72	$ 2.61	$ 1.05	$ 3.66	$ 87.87
41		For DC	Compression Lug CU With 1-Hole , #1 CU Wire	EA	32	0%	32	0.452	$ 30.72	$ 13.89	$ 4.85	$ 18.74	$ 599.53
42			Heat Shrink Tubing for #1 CU Wire	EA	32	0%	32	0.098	$ 30.72	$ 3.01	$ 1.25	$ 4.26	$ 136.34
43			Compression Lug AL With 1-Hole , #1/0 AL Wire	EA	72	0%	72	0.520	$ 30.72	$ 15.97	$ 5.20	$ 21.17	$ 1,524.56
44			Heat Shrink Tubing for #1/0 AL Wire	EA	72	0%	72	0.102	$ 30.72	$ 3.13	$ 1.52	$ 4.65	$ 335.05
45		Assumed	Compression Lug AL With 1-Hole , #1/0 AL Wire	EA	12	0%	12	0.520	$ 30.72	$ 15.97	$ 5.20	$ 21.17	$ 254.09
46			Heat Shrink Tubing for #1/0 AL Wire	EA	12	0%	12	0.102	$ 30.72	$ 3.13	$ 1.52	$ 4.65	$ 55.84
47			Compression Lug AL With 1-Hole , #2/0 AL Wire	EA	16	0%	16	0.598	$ 30.72	$ 18.37	$ 7.45	$ 25.82	$ 413.13
48			Heat Shrink Tubing for #2/0 AL Wire	EA	16	0%	16	0.120	$ 30.72	$ 3.69	$ 1.65	$ 5.34	$ 85.38
49			Compression Lug AL With 1-Hole , #3/0 AL Wire	EA	120	0%	120	0.652	$ 30.72	$ 20.03	$ 8.20	$ 28.23	$ 3,387.53
50			Heat Shrink Tubing for #3/0 AL Wire	EA	120	0%	120	0.132	$ 30.72	$ 4.06	$ 1.85	$ 5.91	$ 708.60
51			Compression Lug AL With 1-Hole , #250 KCMIL AL Wire	EA	32	0%	32	0.688	$ 30.72	$ 21.14	$ 9.10	$ 30.24	$ 967.53
52			Heat Shrink Tubing for #250 KCMIL AL Wire	EA	32	0%	32	0.138	$ 30.72	$ 4.24	$ 2.10	$ 6.34	$ 202.86
53			Compression Lug AL With 1-Hole , #300 KCMIL AL Wire	EA	176	0%	176	0.752	$ 30.72	$ 23.10	$ 11.25	$ 34.35	$ 6,045.85
54			Heat Shrink Tubing for #300 KCMIL AL Wire	EA	176	0%	176	0.145	$ 30.72	$ 4.45	$ 2.52	$ 6.97	$ 1,227.49
55		Assumed	Compression Lug AL With 1-Hole , #300 KCMIL AL Wire	EA	12	0%	12	0.820	$ 30.72	$ 25.19	$ 12.98	$ 38.17	$ 458.04
56			Heat Shrink Tubing for #300 KCMIL AL Wire	EA	12	0%	12	0.152	$ 30.72	$ 4.67	$ 2.98	$ 7.65	$ 91.79
57		For DC	Compression Lug CU With 1-Hole , #350 KCMIL CU Wire	EA	64	0%	64	0.925	$ 30.72	$ 28.42	$ 13.85	$ 42.27	$ 2,705.02
58			Heat Shrink Tubing for #350 KCMIL CU Wire	EA	64	0%	64	0.188	$ 30.72	$ 5.78	$ 3.20	$ 8.98	$ 574.42
59			Compression Lug AL With 1-Hole , #400 KCMIL AL Wire	EA	360	0%	360	0.985	$ 30.72	$ 30.26	$ 15.20	$ 45.46	$ 16,365.31
60			Heat Shrink Tubing for #400 KCMIL AL Wire	EA	360	0%	360	0.198	$ 30.72	$ 6.08	$ 3.52	$ 9.60	$ 3,456.92
61			Compression Lug AL With 1-Hole , #500 KCMIL AL Wire	EA	144	0%	144	0.985	$ 30.72	$ 30.26	$ 21.20	$ 51.46	$ 7,410.12
62			Heat Shrink Tubing for #500 KCMIL AL Wire	EA	144	0%	144	0.210	$ 30.72	$ 6.45	$ 4.52	$ 10.97	$ 1,579.85
			PANEL										
63			Panel LP-2: 100A, 208/120V, 3PH, 4W, Main: MCB, 42 Pole, 65KAIC Rated, Surf	EA	1	0%	1	4.859	$ 30.72	$ 149.27	$ 1,359.66	$ 1,508.93	$ 1,508.93
			1P/20A Breaker	EA	3	0%	3	0.333	$ 30.72	$ 10.23	$ 33.00	$ 43.23	$ 129.69
			3P/100A MCB	EA	1	0%	1	1.210	$ 30.72	$ 37.17	$ 464.28	$ 501.45	$ 501.45
64			Panel LP-3: 100A, 480/277V, 3Ph, 4W, Main: MCB, 42 Pole, 65KAIC Rated, Surf	EA	1	0%	1	4.859	$ 30.72	$ 149.27	$ 1,359.66	$ 1,508.93	$ 1,508.93
			1P/20A Breaker	EA	1	0%	1	0.333	$ 30.72	$ 10.23	$ 33.00	$ 43.23	$ 43.23
			3P/100A MCB	EA	1	0%	1	1.210	$ 30.72	$ 37.17	$ 464.28	$ 501.45	$ 501.45
65			Panel RP-2: 100A, 208/120V, 3PH, 4W, Main: MCB, 42 Pole, 65KAIC Rated, Sur	EA	1	0%	1	4.859	$ 30.72	$ 149.27	$ 1,359.66	$ 1,508.93	$ 1,508.93
			1P/20A Breaker	EA	4	0%	4	0.333	$ 30.72	$ 10.23	$ 33.00	$ 43.23	$ 172.92
			3P/100A MCB	EA	1	0%	1	1.210	$ 30.72	$ 37.17	$ 464.28	$ 501.45	$ 501.45
66			Panel RP-3: 100A, 208/120V, 3PH, 4W, Main: MCB, 42 Pole, 65KAIC Rated, Sur	EA	1	0%	1	4.859	$ 30.72	$ 149.27	$ 1,359.66	$ 1,508.93	$ 1,508.93
			3P/100A MCB	EA	1	0%	1	1.210	$ 30.72	$ 37.17	$ 464.28	$ 501.45	$ 501.45
67			Panel MDP-A1: 400A, 480V, 3PH, 3W, Main: MLO, 42 Pole, 42KAIC Rated	EA	1	0%	1	6.215	$ 30.72	$ 190.92	$ -	$ 190.92	$ 190.92
			3P/100AF/50AT LSIG NC< ERMS Breaker	EA	1	0%	1	1.225	$ 30.72	$ 37.63	$ -	$ 37.63	$ 37.63
			3P/20A Breaker	EA	2	0%	2	0.480	$ 30.72	$ 14.75	$ -	$ 14.75	$ 29.49
			3P/60A Breaker	EA	3	0%	3	0.520	$ 30.72	$ 15.97	$ -	$ 15.97	$ 47.92
68			Panel MDP-B1: 400A, 480V, 3PH, 3W, Main: MLO, 42 Pole, 42KAIC Rated	EA	1	0%	1	6.215	$ 30.72	$ 190.92	$ -	$ 190.92	$ 190.92
			3P/100AF/50AT LSIG NC< ERMS Breaker	EA	1	0%	1	1.225	$ 30.72	$ 37.63	$ -	$ 37.63	$ 37.63
			3P/20A Breaker	EA	1	0%	1	0.480	$ 30.72	$ 14.75	$ -	$ 14.75	$ 14.75
	Owner Furnished		3P/60A Breaker	EA	4	0%	4	0.520	$ 30.72	$ 15.97	$ -	$ 15.97	$ 63.90
69	Contractor Installed		Panel MDP-C1: 400A, 480V, 3PH, 3W, Main: MLO, 42 Pole, 42KAIC Rated	EA	1	0%	1	6.215	$ 30.72	$ 190.92	$ -	$ 190.92	$ 190.92
			3P/100AF/50AT LSIG NC ERMS Breaker	EA	1	0%	1	1.225	$ 30.72	$ 37.63	$ -	$ 37.63	$ 37.63
			3P/20A Breaker	EA	1	0%	1	0.480	$ 30.72	$ 14.75	$ -	$ 14.75	$ 14.75
			3P/60A Breaker	EA	4	0%	4	0.520	$ 30.72	$ 15.97	$ -	$ 15.97	$ 63.90
70			Panel MDP-D1: 400A, 480V, 3PH, 3W, Main: MLO, 42 Pole, 42KAIC Rated	EA	1	0%	1	6.215	$ 30.72	$ 190.92	$ -	$ 190.92	$ 190.92
			3P/100AF/50AT LSIG NC ERMS Breaker	EA	1	0%	1	1.225	$ 30.72	$ 37.63	$ -	$ 37.63	$ 37.63
			3P/20A Breaker	EA	1	0%	1	0.480	$ 30.72	$ 14.75	$ -	$ 14.75	$ 14.75
			3P/60A Breaker	EA	4	0%	4	0.520	$ 30.72	$ 15.97	$ -	$ 15.97	$ 63.90
71			Panel MSB-A1: 1200A, 480V, 3PH, 4W, Main: MCB, 20 Pole, 65KAIC Rated, U	EA	1	0%	1	12.668	$ 30.72	$ 389.16	$ -	$ 389.16	$ 389.16
			3P/1200AF/1200AT MCB LSIG, NC, ERM Breaker	EA	1	0%	1	1.668	$ 30.72	$ 51.24	$ -	$ 51.24	$ 51.24
	Owner Furnished		3P/60AF/30AT LSI, NC Breaker	EA	1	0%	1	0.520	$ 30.72	$ 15.97	$ -	$ 15.97	$ 15.97
	Contractor Installed		3P/800AF/600AT LSIG, NC, ERMS Breaker	EA	1	0%	1	1.520	$ 30.72	$ 46.69	$ -	$ 46.69	$ 46.69
			3P/100AF/100AT LSI, NC Breaker	EA	1	0%	1	1.225	$ 30.72	$ 37.63	$ -	$ 37.63	$ 37.63
			3P/800AF/800AT LSIG, NC, ERMS Breaker	EA	2	0%	2	1.520	$ 30.72	$ 46.69	$ -	$ 46.69	$ 93.39
			3P/400AF/400AT LSIG, NC, ERMS Breaker	EA	1	0%	1	1.335	$ 30.72	$ 41.01	$ -	$ 41.01	$ 41.01
			Surge Protective Device	EA	1	0%	1	1.428	$ 30.72	$ 43.87	$ -	$ 43.87	$ 43.87

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DETAILED BREAKDOWN OF ITEMS

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
72			Panel MSB-B1: 1200A, 480V, 3PH, 4W, Main: MCB, 20 Pole, 65KAIC Rated, U	EA	1	0%	1	12.668	$ 30.72	$ 389.16	$ -	$ 389.16	$ 389.16
			3P/1200AF/1200AT MCB LSIG, NC, ERM Breaker	EA	1	0%	1	1.668	$ 30.72	$ 51.24	$ -	$ 51.24	$ 51.24
		Owner Furnished Contractor Installed	3P/60AF/30AT LSI, NC Breaker	EA	1	0%	1	0.520	$ 30.72	$ 15.97	$ -	$ 15.97	$ 15.97
			3P/800AF/600AT LSIG, NC, ERMS Breaker	EA	1	0%	1	1.520	$ 30.72	$ 46.69	$ -	$ 46.69	$ 46.69
			3P/100AF/100AT LSI, NC Breaker	EA	1	0%	1	1.225	$ 30.72	$ 37.63	$ -	$ 37.63	$ 37.63
			3P/800AF/800AT LSIG, NC, ERMS Breaker	EA	2	0%	2	1.520	$ 30.72	$ 46.69	$ -	$ 46.69	$ 93.39
			3P/400AF/400AT LSIG, NC, ERMS Breaker	EA	1	0%	1	1.335	$ 30.72	$ 41.01	$ -	$ 41.01	$ 41.01
			Surge Protective Device	EA	1	0%	1	1.428	$ 30.72	$ 43.87	$ -	$ 43.87	$ 43.87
73			Panel MSB-C1: 1200A, 480V, 3PH, 3W, Main: MCB, 20 Pole, 65KAIC Rated, UL	EA	1	0%	1	12.668	$ 30.72	$ 389.16	$ -	$ 389.16	$ 389.16
			3P/1200AF/1200AT MCB LSIG, NC, ERM Breaker	EA	1	0%	1	1.668	$ 30.72	$ 51.24	$ -	$ 51.24	$ 51.24
		Owner Furnished Contractor Installed	3P/60AF/30AT LSI, NC Breaker	EA	1	0%	1	0.520	$ 30.72	$ 15.97	$ -	$ 15.97	$ 15.97
			3P/800AF/600AT LSIG, NC, ERMS Breaker	EA	1	0%	1	1.520	$ 30.72	$ 46.69	$ -	$ 46.69	$ 46.69
			3P/100AF/100AT LSI, NC Breaker	EA	1	0%	1	1.225	$ 30.72	$ 37.63	$ -	$ 37.63	$ 37.63
			3P/800AF/800AT LSIG, NC, ERMS Breaker	EA	2	0%	2	1.520	$ 30.72	$ 46.69	$ -	$ 46.69	$ 93.39
			3P/400AF/400AT LSIG, NC, ERMS Breaker	EA	1	0%	1	1.335	$ 30.72	$ 41.01	$ -	$ 41.01	$ 41.01
			Surge Protective Device	EA	1	0%	1	1.428	$ 30.72	$ 43.87	$ -	$ 43.87	$ 43.87
74			Panel MSB-D1: 1200A, 480V, 3PH, 3W, Main: MCB, 20 Pole, 65KAIC Rated, UL	EA	1	0%	1	12.668	$ 30.72	$ 389.16	$ -	$ 389.16	$ 389.16
			3P/1200AF/1200AT MCB LSIG, NC, ERM Breaker	EA	1	0%	1	1.668	$ 30.72	$ 51.24	$ -	$ 51.24	$ 51.24
		Owner Furnished Contractor Installed	3P/60AF/30AT LSI, NC Breaker	EA	1	0%	1	0.520	$ 30.72	$ 15.97	$ -	$ 15.97	$ 15.97
			3P/800AF/600AT LSIG, NC, ERMS Breaker	EA	1	0%	1	1.520	$ 30.72	$ 46.69	$ -	$ 46.69	$ 46.69
			3P/100AF/100AT LSI, NC Breaker	EA	1	0%	1	1.225	$ 30.72	$ 37.63	$ -	$ 37.63	$ 37.63
			3P/800AF/800AT LSIG, NC, ERMS Breaker	EA	2	0%	2	1.520	$ 30.72	$ 46.69	$ -	$ 46.69	$ 93.39
			3P/400AF/400AT LSIG, NC, ERMS Breaker	EA	1	0%	1	1.335	$ 30.72	$ 41.01	$ -	$ 41.01	$ 41.01
			Surge Protective Device	EA	1	0%	1	1.428	$ 30.72	$ 43.87	$ -	$ 43.87	$ 43.87
75			Pamel UDP-A: 800A, 480V, 3PH, 3W,18 Pole, 65KAIC Rated	EA	1	0%	1	8.889	$ 30.72	$ 273.07	$ 11,613.00	$ 11,886.07	$ 11,886.07
			3P/600AF/600AT LSIG NC, ERMS Breaker	EA	1	0%	1	1.859	$ 30.72	$ 57.11	$ 2,699.99	$ 2,757.10	$ 2,757.10
			3P/800AF/800AT LSI NC ERMS MOB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,611.90	$ 4,681.20	$ 4,681.20
			3P/800AF/800AT LSI NC ERMS UOB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,495.00	$ 4,564.30	$ 4,564.30
			3P/800AF/800AT LSI NO, ERMS MMB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,611.90	$ 4,681.20	$ 4,681.20
76			Pamel UDP-B: 800A, 480V, 3PH, 3W,18 Pole, 65KAIC Rated	EA	1	0%	1	8.889	$ 30.72	$ 273.07	$ 11,613.00	$ 11,886.07	$ 11,886.07
			3P/600AF/600AT LSIG NC, ERMS Breaker	EA	1	0%	1	1.859	$ 30.72	$ 57.11	$ 2,699.99	$ 2,757.10	$ 2,757.10
			3P/800AF/800AT LSI NC ERMS MOB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,611.90	$ 4,681.20	$ 4,681.20
			3P/800AF/800AT LSI NC ERMS UOB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,495.00	$ 4,564.30	$ 4,564.30
			3P/800AF/800AT LSI NO, ERMS MMB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,611.90	$ 4,681.20	$ 4,681.20
77			Pamel UDP-D: 800A, 480V, 3PH, 3W,18 Pole, 65KAIC Rated	EA	1	0%	1	8.889	$ 30.72	$ 273.07	$ 11,613.00	$ 11,886.07	$ 11,886.07
			3P/600AF/600AT LSIG NC, ERMS Breaker	EA	1	0%	1	1.859	$ 30.72	$ 57.11	$ 2,699.99	$ 2,757.10	$ 2,757.10
			3P/800AF/800AT LSI NC ERMS MOB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,611.90	$ 4,681.20	$ 4,681.20
			3P/800AF/800AT LSI NC ERMS UOB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,495.00	$ 4,564.30	$ 4,564.30
			3P/800AF/800AT LSI NO, ERMS MMB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,611.90	$ 4,681.20	$ 4,681.20
78			Pamel UDP-C: 800A, 480V, 3PH, 3W,18 Pole, 65KAIC Rated	EA	1	0%	1	8.889	$ 30.72	$ 273.07	$ 11,613.00	$ 11,886.07	$ 11,886.07
			3P/600AF/600AT LSIG NC, ERMS Breaker	EA	1	0%	1	1.859	$ 30.72	$ 57.11	$ 2,699.99	$ 2,757.10	$ 2,757.10
			3P/800AF/800AT LSI NC ERMS MOB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,611.90	$ 4,681.20	$ 4,681.20
			3P/800AF/800AT LSI NC ERMS UOB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,495.00	$ 4,564.30	$ 4,564.30
			3P/800AF/800AT LSI NO, ERMS MMB Breaker	EA	1	0%	1	2.256	$ 30.72	$ 69.30	$ 4,611.90	$ 4,681.20	$ 4,681.20
79			Panel RPP-A1: 400A, 415/240V, 3Ph, 4W With All Associated Breaker	EA	1	0%	1	11.250	$ 30.72	$ 345.60	$ 4,252.00	$ 4,597.60	$ 4,597.60
80			Panel RPP-A2: 400A, 415/240V, 3Ph, 4W With All Associated Breaker	EA	1	0%	1	11.250	$ 30.72	$ 345.60	$ 4,252.00	$ 4,597.60	$ 4,597.60
81			Panel RPP-B1: 400A, 415/240V, 3Ph, 4W With All Associated Breaker	EA	1	0%	1	11.250	$ 30.72	$ 345.60	$ 4,252.00	$ 4,597.60	$ 4,597.60
82			Panel RPP-B2: 400A, 415/240V, 3Ph, 4W With All Associated Breaker	EA	1	0%	1	11.250	$ 30.72	$ 345.60	$ 4,252.00	$ 4,597.60	$ 4,597.60
83			Panel RPP-C1: 400A, 415/240V, 3PH, 4W With All Associated Breaker	EA	1	0%	1	11.250	$ 30.72	$ 345.60	$ 4,252.00	$ 4,597.60	$ 4,597.60
84			Panel RPP-C2: 400A, 415/240V, 3PH, 4W With All Associated Breaker	EA	1	0%	1	11.250	$ 30.72	$ 345.60	$ 4,252.00	$ 4,597.60	$ 4,597.60
85			Panel RPP-D1: 400A, 415/240V, 3PH, 4W With All Associated Breaker	EA	1	0%	1	11.250	$ 30.72	$ 345.60	$ 4,252.00	$ 4,597.60	$ 4,597.60
86			Panel RPP-D2: 400A, 415/240V, 3PH, 4W With All Associated Breaker	EA	1	0%	1	11.250	$ 30.72	$ 345.60	$ 4,252.00	$ 4,597.60	$ 4,597.60
			DEVICES										
87			ATS-MSB-A1: 1200A, 480V, 3PH	EA	1	0%	1	6.254	$ 30.72	$ 192.12	$ 13,115.83	$ 13,307.95	$ 13,307.95
88			ATS-MSB-B1: 1200A, 480V, 3PH	EA	1	0%	1	6.254	$ 30.72	$ 192.12	$ 13,115.83	$ 13,307.95	$ 13,307.95
89	E-303, E-304, E-403,		ATS-MSB-C1: 1200A, 480V, 3PH	EA	1	0%	1	6.254	$ 30.72	$ 192.12	$ 13,115.83	$ 13,307.95	$ 13,307.95
90	E-404, E-501, E-601,		ATS-MSB-D1: 1200A, 480V, 3PH	EA	1	0%	1	6.254	$ 30.72	$ 192.12	$ 13,115.83	$ 13,307.95	$ 13,307.95
91	E-602, E-703 & E-704		Battery cabinet For UPS-A1	EA	4	0%	4	2.562	$ 30.72	$ 78.70	$ -	$ 78.70	$ 314.82
92			Battery cabinet For UPS-B1	EA	4	0%	4	2.562	$ 30.72	$ 78.70	$ -	$ 78.70	$ 314.82
93			Battery cabinet For UPS-C1	EA	4	0%	4	2.562	$ 30.72	$ 78.70	$ -	$ 78.70	$ 314.82
94			Battery cabinet For UPS-D1	EA	4	0%	4	2.562	$ 30.72	$ 78.70	$ -	$ 78.70	$ 314.82
95		Owner Furnished Contractor Installed	UPS-A1: 350KVA, 350KW, 480V, 3PH, 3W	EA	1	0%	1	7.598	$ 30.72	$ 233.41	$ -	$ 233.41	$ 233.41
96			UPS-B1: 350KVA, 350KW, 480V, 3PH, 3W	EA	1	0%	1	7.598	$ 30.72	$ 233.41	$ -	$ 233.41	$ 233.41
97			UPS-C1: 350KVA, 350KW, 480V, 3PH, 3W	EA	1	0%	1	7.598	$ 30.72	$ 233.41	$ -	$ 233.41	$ 233.41
98			UPS-D1: 350KVA, 350KW, 480V, 3PH, 3W	EA	1	0%	1	7.598	$ 30.72	$ 233.41	$ -	$ 233.41	$ 233.41
99			XFMR-LP-1: 30KVA, 480-208/120VAC, 3PH, 4W	EA	1	0%	1	4.526	$ 30.72	$ 139.04	$ 2,884.88	$ 3,023.92	$ 3,023.92
			Expansion Anchor	EA	4	0%	4	0.168	$ 30.72	$ 5.16	$ 2.75	$ 7.91	$ 31.64
			Rod Coupler, Hex Nut And Washer Assembly	EA	4	0%	4	0.100	$ 30.72	$ 3.07	$ 1.59	$ 4.66	$ 18.65
			3/4" Threaded Rod	EA	4	0%	4	0.184	$ 30.72	$ 5.65	$ 3.49	$ 9.14	$ 36.57
			Viberation Isolater	EA	4	0%	4	0.080	$ 30.72	$ 2.46	$ 2.68	$ 5.14	$ 20.55
			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4	0%	4	0.188	$ 30.72	$ 5.78	$ 10.00	$ 15.77	$ 63.09
			3/4" Hex Nuts And Lock Washer	EA	2	0%	2	0.132	$ 30.72	$ 4.06	$ 1.00	$ 5.06	$ 10.11
			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2	0%	2	1.000	$ 30.72	$ 30.72	$ 68.51	$ 99.23	$ 198.46
			1" LFMC Conduit	LF	2	10%	2	0.100	$ 30.72	$ 3.07	$ 4.29	$ 7.36	$ 16.20
100			XFMR-LP-2: 30KVA, 480-208/120VAC, 3PH, 4W	EA	1	0%	1	4.526	$ 30.72	$ 139.04	$ 2,884.88	$ 3,023.92	$ 3,023.92
			Expansion Anchor	EA	4	0%	4	0.168	$ 30.72	$ 5.16	$ 2.75	$ 7.91	$ 31.64
			Rod Coupler, Hex Nut And Washer Assembly	EA	4	0%	4	0.100	$ 30.72	$ 3.07	$ 1.59	$ 4.66	$ 18.65
			3/4" Threaded Rod	EA	4	0%	4	0.184	$ 30.72	$ 5.65	$ 3.49	$ 9.14	$ 36.57
			Viberation Isolater	EA	4	0%	4	0.080	$ 30.72	$ 2.46	$ 2.68	$ 5.14	$ 20.55
			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4	0%	4	0.188	$ 30.72	$ 5.78	$ 10.00	$ 15.77	$ 63.09
			3/4" Hex Nuts And Lock Washer	EA	2	0%	2	0.132	$ 30.72	$ 4.06	$ 1.00	$ 5.06	$ 10.11
			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2	0%	2	1.000	$ 30.72	$ 30.72	$ 68.51	$ 99.23	$ 198.46
			1" LFMC Conduit	LF	2	10%	2	0.100	$ 30.72	$ 3.07	$ 4.29	$ 7.36	$ 16.20
101		Assumed	XFMR-LP-3: 30KVA, 480-480/277V, 3PH, 4W	EA	1	0%	1	4.526	$ 30.72	$ 139.04	$ 2,884.88	$ 3,023.92	$ 3,023.92
			Expansion Anchor	EA	4	0%	4	0.168	$ 30.72	$ 5.16	$ 2.75	$ 7.91	$ 31.64
			Rod Coupler, Hex Nut And Washer Assembly	EA	4	0%	4	0.100	$ 30.72	$ 3.07	$ 1.59	$ 4.66	$ 18.65
			3/4" Threaded Rod	EA	4	0%	4	0.184	$ 30.72	$ 5.65	$ 3.49	$ 9.14	$ 36.57
			Viberation Isolater	EA	4	0%	4	0.080	$ 30.72	$ 2.46	$ 2.68	$ 5.14	$ 20.55
			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4	0%	4	0.188	$ 30.72	$ 5.78	$ 10.00	$ 15.77	$ 63.09
			3/4" Hex Nuts And Lock Washer	EA	2	0%	2	0.132	$ 30.72	$ 4.06	$ 1.00	$ 5.06	$ 10.11
			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2	0%	2	1.000	$ 30.72	$ 30.72	$ 68.51	$ 99.23	$ 198.46
			1" LFMC Conduit	LF	2	10%	2	0.100	$ 30.72	$ 3.07	$ 4.29	$ 7.36	$ 16.20
102			XFMR-RP-2: 30KVA, 480-208/120VAC, 3PH, 4W	EA	1	0%	1	5.885	$ 30.72	$ 180.79	$ 4,980.00	$ 5,160.79	$ 5,160.79
			Expansion Anchor	EA	4	0%	4	0.168	$ 30.72	$ 5.16	$ 2.75	$ 7.91	$ 31.64
			Rod Coupler, Hex Nut And Washer Assembly	EA	4	0%	4	0.100	$ 30.72	$ 3.07	$ 1.59	$ 4.66	$ 18.65
			3/4" Threaded Rod	EA	4	0%	4	0.184	$ 30.72	$ 5.65	$ 3.49	$ 9.14	$ 36.57
			Viberation Isolater	EA	4	0%	4	0.080	$ 30.72	$ 2.46	$ 2.68	$ 5.14	$ 20.55
			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4	0%	4	0.188	$ 30.72	$ 5.78	$ 10.00	$ 15.77	$ 63.09
			3/4" Hex Nuts And Lock Washer	EA	2	0%	2	0.132	$ 30.72	$ 4.06	$ 1.00	$ 5.06	$ 10.11
			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2	0%	2	1.000	$ 30.72	$ 30.72	$ 68.51	$ 99.23	$ 198.46
			1" LFMC Conduit	LF	2	10%	2	0.100	$ 30.72	$ 3.07	$ 4.29	$ 7.36	$ 16.20
103			XFMR-RP-3: 30KVA, 480-208/120VAC, 3PH, 4W	EA	1	0%	1	5.885	$ 30.72	$ 180.79	$ 4,980.00	$ 5,160.79	$ 5,160.79
			Expansion Anchor	EA	4	0%	4	0.168	$ 30.72	$ 5.16	$ 2.75	$ 7.91	$ 31.64
			Rod Coupler, Hex Nut And Washer Assembly	EA	4	0%	4	0.100	$ 30.72	$ 3.07	$ 1.59	$ 4.66	$ 18.65
			3/4" Threaded Rod	EA	4	0%	4	0.184	$ 30.72	$ 5.65	$ 3.49	$ 9.14	$ 36.57
			Viberation Isolater	EA	4	0%	4	0.080	$ 30.72	$ 2.46	$ 2.68	$ 5.14	$ 20.55
			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4	0%	4	0.188	$ 30.72	$ 5.78	$ 10.00	$ 15.77	$ 63.09
			3/4" Hex Nuts And Lock Washer	EA	2	0%	2	0.132	$ 30.72	$ 4.06	$ 1.00	$ 5.06	$ 10.11
			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2	0%	2	1.000	$ 30.72	$ 30.72	$ 68.51	$ 99.23	$ 198.46
			1" LFMC Conduit	LF	2	10%	2	0.100	$ 30.72	$ 3.07	$ 4.29	$ 7.36	$ 16.20
104		Owner Furnished Contractor Installed	PDU-A1: Distribution Unit	EA	1	0%	1	25.000	$ 30.72	$ 768.00	$ -	$ 768.00	$ 768.00
			350KVA, 48V:415/240V, XFMR	EA	1	0%	1	52.250	$ 30.72	$ 1,605.12	$ -	$ 1,605.12	$ 1,605.12
			3P/400AF/400AT Breaker	EA	5	0%	5	1.526	$ 30.72	$ 46.88	$ -	$ 46.88	$ 234.39
			3P/600AF/600AT MCB, ERMS, NC Breaker	EA	1	0%	1	1.889	$ 30.72	$ 58.03	$ -	$ 58.03	$ 58.03
105		Owner Furnished Contractor Installed	PDU-B1: Power Distribution Unit	EA	1	0%	1	25.000	$ 30.72	$ 768.00	$ -	$ 768.00	$ 768.00
			350KVA, 48V:415/240V, XFMR	EA	1	0%	1	52.250	$ 30.72	$ 1,605.12	$ -	$ 1,605.12	$ 1,605.12
			3P/400AF/400AT Breaker	EA	5	0%	5	1.526	$ 30.72	$ 46.88	$ -	$ 46.88	$ 234.39
			3P/600AF/600AT MCB, ERMS, NC Breaker	EA	1	0%	1	1.889	$ 30.72	$ 58.03	$ -	$ 58.03	$ 58.03

Phone: +1 708-381-0900

DETAILED BREAKDOWN OF ITEMS

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
106		Owner Furnished Contractor Installed	PDU-C1: Power Distribution Unit	EA	1	0%	1	25.000	$ 30.72	$ 768.00	$ -	$ 768.00	$ 768.00
			350KVA, 48V:415/240V, XFMR	EA	1	0%	1	52.250	$ 30.72	$ 1,605.12	$ -	$ 1,605.12	$ 1,605.12
			3P/400AF/400AT Breaker	EA	5	0%	5	1.526	$ 30.72	$ 46.88	$ -	$ 46.88	$ 234.39
			3P/600AF/600AT MCB, ERMS, NC Breaker	EA	1	0%	1	1.889	$ 30.72	$ 58.03	$ -	$ 58.03	$ 58.03
107		Owner Furnished Contractor Installed	PDU-D1: Power Distribution Unit	EA	1	0%	1	25.000	$ 30.72	$ 768.00	$ -	$ 768.00	$ 768.00
			350KVA, 48V:415/240V, XFMR	EA	1	0%	1	52.250	$ 30.72	$ 1,605.12	$ -	$ 1,605.12	$ 1,605.12
			3P/400AF/400AT Breaker	EA	5	0%	5	1.526	$ 30.72	$ 46.88	$ -	$ 46.88	$ 234.39
			3P/600AF/600AT MCB, ERMS, NC Breaker	EA	1	0%	1	1.889	$ 30.72	$ 58.03	$ -	$ 58.03	$ 58.03
			DISCONNECT SWITCH										
108			1P/20A Fusible Disconnect Switch, NEMA-1	EA	4	0%	4	0.752	$ 30.72	$ 23.10	$ 74.25	$ 97.35	$ 389.41
109			3P/15A Fusible Disconnect Switch, NEMA-1	EA	5	0%	5	0.985	$ 30.72	$ 30.26	$ 145.25	$ 175.51	$ 877.55
110			3P/20A Fusible Disconnect Switch, NEMA-1	EA	5	0%	5	1.050	$ 30.72	$ 32.26	$ 172.00	$ 204.26	$ 1,021.28
111			3P/60A Fusible Disconnect Switch, NEMA-1	EA	8	0%	8	1.200	$ 30.72	$ 36.86	$ 232.25	$ 269.11	$ 2,152.91
112			3P/800A UPS-ISO-Disconnect Switch, NEMA 1	EA	4	0%	4	2.850	$ 30.72	$ 87.55	$ 4,520.25	$ 4,607.80	$ 18,431.21
			GROUNDING										
113			3/4"X10' Copper Clad Steel Ground Rod	EA	27	0%	27	0.520	$ 30.72	$ 15.97	$ 58.25	$ 74.22	$ 2,004.06
114			1/4" x 4" x 20" CU Ground Busbar With (27) Sets Of 5/16" Holes & (3) Sets	EA	12	0%	12	0.820	$ 30.72	$ 25.19	$ 402.25	$ 427.44	$ 5,129.28
115			#4/0 Bare Copper Grounding Conductor	LF	203	10%	223	0.020	$ 30.72	$ 0.61	$ 8.04	$ 8.65	$ 1,932.53
116		Assumed	Ground Bus	EA	36	0%	36	0.752	$ 30.72	$ 23.10	$ 102.25	$ 125.35	$ 4,512.65
117			3/4"X10' Ground Rod Connection At Test Well	EA	2	0%	2	0.520	$ 30.72	$ 15.97	$ 58.25	$ 74.22	$ 148.45
118			ERICO #T416B Green Box With 10" Cover	EA	2	0%	2	0.850	$ 30.72	$ 26.11	$ 103.25	$ 129.36	$ 258.72
119			#4/0 CU Grounding Conductor	LF	1578	10%	1736	0.020	$ 30.72	$ 0.61	$ 8.04	$ 8.65	$ 15,022.31
			POWER										
			CONDUIT										
120			3/4" EMT Conduit	LF	4121	10%	4533	0.060	$ 30.72	$ 1.84	$ 1.60	$ 3.44	$ 15,608.37
			CONDUCTOR										
121			#12 CU THHN/THWN	LF	10165	10%	11182	0.007	$ 30.72	$ 0.22	$ 0.25	$ 0.47	$ 5,199.84
122			#10 CU THHN/THWN	LF	3894	10%	4283	0.008	$ 30.72	$ 0.25	$ 0.32	$ 0.57	$ 2,423.38
			DEVICE										
123			Duplex Receptacle	EA	53	0%	53	0.320	$ 30.72	$ 9.83	$ 15.25	$ 25.08	$ 1,329.26
124			Duplex Receptacle, WP	EA	7	0%	7	0.385	$ 30.72	$ 11.83	$ 18.32	$ 30.15	$ 211.03
			LIGHTING										
			CONDUIT										
125			3/4" EMT Conduit	LF	6011	10%	6613	0.060	$ 30.72	$ 1.84	$ 1.60	$ 3.44	$ 22,768.41
			CONDUCTOR										
126			#12 CU THHN/THWN	LF	768	10%	845	0.007	$ 30.72	$ 0.22	$ 0.25	$ 0.47	$ 392.90
127			#10 CU THHN/THWN	LF	16634	10%	18297	0.008	$ 30.72	$ 0.25	$ 0.32	$ 0.57	$ 10,351.78
128			#8 CU THHN/THWN	LF	632	10%	696	0.009	$ 30.72	$ 0.28	$ 0.75	$ 1.03	$ 714.15
			LIGHTING FIXTURES										
129			C: 4' Wall Mount With Prismatic Acrylic Lens On Front And Bottom, LITHONIA LIGHTING CL L48 7000LM HEF WDL MVOLT 40K 80CRI WG Watts: 65w Mounting: Wall Mounted	EA	14	0%	14	1.215	$ 30.72	$ 37.32	$ 250.97	$ 288.29	$ 4,036.13
130			C-EM: 4' Wall Mount With Emergency Battery Backup With Prismatic Acrylic Lens On Front And Bottom, LITHONIA LIGHTING CL L48 7000LM HEF WDL MVOLT 40K 80CRI WG Watts: 65w Mounting: Wall Mounted	EA	13	0%	13	1.685	$ 30.72	$ 51.76	$ 444.34	$ 496.10	$ 6,449.34
131			H: Exterior Architectural Wall-pack-full Cutoff Forward Throw Distribution, LITHONIA LIGHTING WST LED P2 40KVF MVOLT DDBXD PE Watts: 25w Mounting: Wall Mounted	EA	1	0%	1	1.857	$ 30.72	$ 57.05	$ 997.19	$ 1,054.24	$ 1,054.24
132			HE: Exterior Architectural Wall-pack-full Cutoff Forward Throw Distribution, LITHONIA LIGHTING WST LED P2 40KVF MVOLT DDBXD PE E7WC Watts: 25w Mounting: Wall Mounted	EA	2	0%	2	2.565	$ 30.72	$ 78.80	$ 1,105.43	$ 1,184.23	$ 2,368.45
133			M4: 4' Pendant Light, LITHONIA LIGHTING CLX L48 4000LM HEF RDL MVOLT 35K 80CRI Watts: 30w Mounting: To Be Mounted Recessed In Between Openings	EA	62	0%	62	1.215	$ 30.72	$ 37.32	$ 234.33	$ 271.65	$ 16,842.60
134			M4-EM: 4' Pendant Light, LITHONIA LIGHTING CLX L48 4000LM HEF RDL MVOLT 35K 80CRI Watts: 30w Mounting: To Be Mounted Recessed In Between Openings	EA	66	0%	66	1.685	$ 30.72	$ 51.76	$ 433.95	$ 485.71	$ 32,057.07
135			V1-EM: 2'x4' Emergency Battery Backup High Efficiency Architectural Troffer, FOCAL POINT FAML-24-ACR-4000L-40K-1C-277-LD1-W Watts: 39w Mounting: Recessed	EA	102	0%	102	2.685	$ 30.72	$ 82.48	$ 219.75	$ 302.23	$ 30,827.79
			Ceiling Support Suspension	EA	408	0%	408	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 7,060.16
			Fixture Lock Clip	EA	408	0%	408	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 1,751.14
136			V1: 2'x4' High Efficiency Architectural Troffer, FOCAL POINT FAML-24-ACR-4000L-40K-1C-277-LD1-W Watts: 39w Mounting: Recessed	EA	103	0%	103	1.875	$ 30.72	$ 57.60	$ 158.38	$ 215.98	$ 22,245.94
			Ceiling Support Suspension	EA	412	0%	412	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 7,129.38
			Fixture Lock Clip	EA	412	0%	412	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 1,768.30
137			X1: Exit Sign Watts: 2w, Mounting: Surface	EA	15	0%	15	0.702	$ 30.72	$ 21.57	$ 71.77	$ 93.34	$ 1,400.03
138			X2: Edge Lit Exit Sign (foh), EATON, SURE-LITES EUX-6-R Watts: 2w Mounting: Universal	EA	5	0%	5	0.889	$ 30.72	$ 27.31	$ 559.05	$ 586.36	$ 2,931.80
			LIGHTING CONTROL										
139			2-Pole Toggle Switch	EA	1	0%	1	0.325	$ 30.72	$ 9.98	$ 13.84	$ 23.82	$ 23.82
140			3-Way Switch	EA	16	0%	16	0.335	$ 30.72	$ 10.29	$ 15.68	$ 25.97	$ 415.54
141			12P/20A, 480V, 14KAIC, Lighting Contactor, ASCO#918	EA	1	0%	1	2.215	$ 30.72	$ 68.04	$ 796.81	$ 864.85	$ 864.85
142			Lighting Control Module 48M	EA	1	0%	1	1.526	$ 30.72	$ 46.88	$ 358.69	$ 405.57	$ 405.57
			MISCELLANEOUS										
143			Junction Box	EA	8	0%	8	0.225	$ 30.72	$ 6.91	$ 4.50	$ 11.41	$ 91.30
												SUBTOTAL	$ 658,838
			COMMUNICATION										
			LOW VOLTAGE / BMS										
			CONDUIT										
144			3/4" EMT Conduit	LF	964	10%	1060	0.060	$ 30.72	$ 1.84	$ 1.60	$ 3.44	$ 3,651.17
			CONDUCTOR										
145			CAT 6 Cable	LF	3977	10%	4375	0.007	$ 30.72	$ 0.22	$ 0.32	$ 0.54	$ 2,340.79
146			Fiber Optic Cable	LF	200	10%	220	0.010	$ 30.72	$ 0.31	$ 1.25	$ 1.56	$ 342.58
147			BACnet - IP (Ethernet)	LF	389	10%	428	0.012	$ 30.72	$ 0.37	$ 0.98	$ 1.35	$ 576.82
148			BACnet MSTP (RS485)	LF	2990	10%	3289	0.016	$ 30.72	$ 0.49	$ 1.32	$ 1.81	$ 5,957.79
149			#18 CU THHN/THWN	LF	1928	10%	2121	0.009	$ 30.72	$ 0.28	$ 0.25	$ 0.53	$ 1,116.56
			DEVICES										
150		Furnished And Installed By BMS Contractor	EPMS Virtual Servers DCMS	EA	1	0%	1	32.000	$ 30.72	$ 983.04	$ 18,522.00	$ 19,505.04	$ 19,505.04
151			BMS Virtual Servers DCMS	EA	1	0%	1	28.250	$ 30.72	$ 867.84	$ 12,100.00	$ 12,967.84	$ 12,967.84
152			BMS Manager Panel, IO Cards, DDC	EA	7	0%	7	25.000	$ 30.72	$ 768.00	$ 8,522.00	$ 9,290.00	$ 65,030.00
153		Provided & Installed By BMS	Network Switch	EA	1	0%	1	5.250	$ 30.72	$ 161.28	$ 2,500.00	$ 2,661.28	$ 2,661.28
154			SCP-ACC-XX-XX: Chiller Lineup Controller And I/O	EA	4	0%	4	15.250	$ 30.72	$ 468.48	$ 9,855.00	$ 10,323.48	$ 41,293.92
155			ACC-XX: Factory Control Interface	EA	4	0%	4	12.250	$ 30.72	$ 376.32	$ 4,855.00	$ 5,231.32	$ 20,925.28
156			Stand-Alone Control Panel	EA	4	0%	4	12.250	$ 30.72	$ 376.32	$ 6,520.00	$ 6,896.32	$ 27,585.28
157		Provided BY Manufacturer And Installed By BMS	Temperature/Humidity Sensor	EA	12	0%	12	1.250	$ 30.72	$ 38.40	$ -	$ 38.40	$ 460.80
158			Ethernet Switch	EA	13	0%	13	3.250	$ 30.72	$ 99.84	$ 1,298.25	$ 1,398.09	$ 18,175.17
159			Gateway	EA	15	0%	15	1.980	$ 30.72	$ 60.83	$ 452.25	$ 513.08	$ 7,696.13
160			Thermostat	EA	6	0%	6	1.000	$ 30.72	$ 30.72	$ 120.00	$ 150.72	$ 904.32
161		Furnished And Installed By BMS Contractor	Pressure Differential Transmitter	EA	2	0%	2	2.520	$ 30.72	$ 77.41	$ 600.00	$ 677.41	$ 1,354.83
162		Provided BY Manufacturer And Installed By BMS	Temperature Humidity Sensor & H2	EA	8	0%	8	2.980	$ 30.72	$ 91.55	$ -	$ 91.55	$ 732.36
			HEAT TRACE										
			HEAT TRACE										
163		Wire Assumed	8W/ft, 120V Self— Reg Heating Cable (CLASS 1 DIV 2), 8BTV1 —CT	LF	1670	10%	1837	0.025	$ 30.72	$ 0.77	$ 6.25	$ 7.02	$ 12,892.07
			DEVICES										
164		Provided And Installed By MC	Heat Trace Control Panel	EA	1	0%	1	0.000	$ 30.72	$ -	$ -	$ -	$ -
			INSTRUMENTATION										
			CONDUIT										
165			3/4" EMT Conduit	LF	2984	10%	3282	0.060	$ 30.72	$ 1.84	$ 1.60	$ 3.44	$ 11,301.96

Phone: +1 708-381-0900

DETAILED BREAKDOWN OF ITEMS

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			CONDUCTOR										
166		**Wire Assumed**	2PR#16 AWG - 600V 90 DegC - TC-UL,	LF	5968	10%	6565	0.018	$ 30.72	$ 0.55	$ 2.57	$ 3.12	$ 20,501.61
			DEVICES										
167			Pressure Differential Indicating Controller	EA	35	0%	35	3.850	$ 30.72	$ 118.27	$ 985.00	$ 1,103.27	$ 38,614.52
168			Flow Meter	EA	16	0%	16	3.250	$ 30.72	$ 99.84	$ 2,500.00	$ 2,599.84	$ 41,597.44
169			Position Controller	EA	48	0%	48	2.520	$ 30.72	$ 77.41	$ 750.00	$ 827.41	$ 39,715.89
170			Position Transmitter	EA	16	0%	16	1.980	$ 30.72	$ 60.83	$ 600.00	$ 660.83	$ 10,573.21
171	**IC-002, IC-003, IC-004, IC-005, IC-006, IC-007, IC-008, IC-009, IC-010, IC-011, IC-012 IC-018 & IC-019**		ACCS Control Panel	EA	2	0%	2	15.250	$ 30.72	$ 468.48	$ 9,852.00	$ 10,320.48	$ 20,640.96
172			Analog Input	EA	190	0%	190	0.785	$ 30.72	$ 24.12	$ 125.00	$ 149.12	$ 28,331.89
173			Analog Output	EA	89	0%	89	0.920	$ 30.72	$ 28.26	$ 175.00	$ 203.26	$ 18,090.35
174			CO2 Indicating Controller	EA	3	0%	3	2.500	$ 30.72	$ 76.80	$ 1,200.00	$ 1,276.80	$ 3,830.40
175			CO2 Indicator	EA	4	0%	4	0.985	$ 30.72	$ 30.26	$ 400.00	$ 430.26	$ 1,721.04
176			CO2 Sensor/Element	EA	5	0%	5	0.700	$ 30.72	$ 21.50	$ 300.00	$ 321.50	$ 1,607.52
177			Differential Pressure Sensor	EA	3	0%	3	1.250	$ 30.72	$ 38.40	$ 500.00	$ 538.40	$ 1,615.20
178		**Furnished And Installed By BMS Contractor**	Digital Input	EA	131	0%	131	0.785	$ 30.72	$ 24.12	$ 75.00	$ 99.12	$ 12,984.09
179			Digital Output	EA	46	0%	46	0.920	$ 30.72	$ 28.26	$ 125.00	$ 153.26	$ 7,050.07
180			Electronically Commutated Motor	EA	96	0%	96	2.100	$ 30.72	$ 64.51	$ 985.00	$ 1,049.51	$ 100,753.15
181			Event/Status Indicator	EA	86	0%	86	0.852	$ 30.72	$ 26.17	$ 250.00	$ 276.17	$ 23,750.92
182			Fire/Smoke Damper	EA	3	0%	3	1.250	$ 30.72	$ 38.40	$ 425.00	$ 463.40	$ 1,390.20
183			Flow Control Valve System	EA	19	0%	19	3.250	$ 30.72	$ 99.84	$ 2,500.00	$ 2,599.84	$ 49,396.96
184			Flow Element	EA	21	0%	21	0.852	$ 30.72	$ 26.17	$ 100.00	$ 126.17	$ 2,649.64
185			Flow Indicating Controller	EA	61	0%	61	2.850	$ 30.72	$ 87.55	$ 1,025.00	$ 1,112.55	$ 67,865.67
186			Flow Indicating Transmitter	EA	30	0%	30	1.250	$ 30.72	$ 38.40	$ 852.00	$ 890.40	$ 26,712.00
187			Flow Indicator	EA	28	0%	28	1.520	$ 30.72	$ 46.69	$ 400.00	$ 446.69	$ 12,507.44
188			Hand Switch	EA	37	0%	37	0.852	$ 30.72	$ 26.17	$ 125.00	$ 151.17	$ 5,593.42
189			Humidity Indicator	EA	16	0%	16	1.250	$ 30.72	$ 38.40	$ 400.00	$ 438.40	$ 7,014.40
190			Inline Flow Meter	EA	2	0%	2	1.200	$ 30.72	$ 36.86	$ 3,000.00	$ 3,036.86	$ 6,073.73
191			Isolating Switch	EA	3	0%	3	1.250	$ 30.72	$ 38.40	$ 300.00	$ 338.40	$ 1,015.20
192		**Provided BY Manufacturer And Installed By BMS**	Leak Detection	EA	1	0%	1	2.500	$ 30.72	$ 76.80	$ -	$ 76.80	$ 76.80
193			Level Switch	EA	2	0%	2	1.250	$ 30.72	$ 38.40	$ 400.00	$ 438.40	$ 876.80
194			Meter/measurement indication	EA	3	0%	3	1.850	$ 30.72	$ 56.83	$ 750.00	$ 806.83	$ 2,420.50
195			Moisture Indicator	EA	110	0%	110	1.250	$ 30.72	$ 38.40	$ 500.00	$ 538.40	$ 59,224.00
196			Motion Damper	EA	24	0%	24	2.520	$ 30.72	$ 77.41	$ 1,250.00	$ 1,327.41	$ 31,857.95
197			Motion Detector	EA	27	0%	27	1.200	$ 30.72	$ 36.86	$ 200.00	$ 236.86	$ 6,395.33
198			Motion Sensor	EA	2	0%	2	1.200	$ 30.72	$ 36.86	$ 250.00	$ 286.86	$ 573.73
199			Position Indicator	EA	30	0%	30	1.320	$ 30.72	$ 40.55	$ 300.00	$ 340.55	$ 10,216.51
200			Position Switch	EA	9	0%	9	1.380	$ 30.72	$ 42.39	$ 350.00	$ 392.39	$ 3,531.54
201			Pressure Differential Indicator	EA	63	0%	63	1.520	$ 30.72	$ 46.69	$ 452.00	$ 498.69	$ 31,417.75
202			Pressure Differential Transmitter	EA	112	0%	112	1.450	$ 30.72	$ 44.54	$ 410.00	$ 454.54	$ 50,908.93
203			Pressure Independent Control Valve	EA	27	0%	27	2.850	$ 30.72	$ 87.55	$ 2,102.00	$ 2,189.55	$ 59,117.90
204			Pressure Indicator	EA	90	0%	90	1.200	$ 30.72	$ 36.86	$ 350.00	$ 386.86	$ 34,817.76
205			Pressure Sensor/Element	EA	11	0%	11	1.320	$ 30.72	$ 40.55	$ 500.00	$ 540.55	$ 5,946.05
206			Pressure Transmitter	EA	9	0%	9	1.500	$ 30.72	$ 46.08	$ 750.00	$ 796.08	$ 7,164.72
207		**Provided BY Manufacturer And Installed By BMS**	Smoke Detector	EA	36	0%	36	0.852	$ 30.72	$ 26.17	$ -	$ 26.17	$ 942.24
208			Space Motion Humidity Sensor	EA	1	0%	1	0.852	$ 30.72	$ 26.17	$ 352.00	$ 378.17	$ 378.17
209			Speed Indicator	EA	40	0%	40	1.250	$ 30.72	$ 38.40	$ 420.00	$ 458.40	$ 18,336.00
210			Temperature Control Valve	EA	32	0%	32	3.250	$ 30.72	$ 99.84	$ 1,500.00	$ 1,599.84	$ 51,194.88
211		**Furnished And Installed By BMS Contractor**	Temperature Indicating Alarm	EA	4	0%	4	2.980	$ 30.72	$ 91.55	$ 750.00	$ 841.55	$ 3,366.18
212			Temperature Indicating Controller	EA	40	0%	40	3.250	$ 30.72	$ 99.84	$ 1,250.00	$ 1,349.84	$ 53,993.60
213			Temperature Indicator	EA	301	0%	301	1.250	$ 30.72	$ 38.40	$ 350.00	$ 388.40	$ 116,908.40
214			Temperature sensing element	EA	109	0%	109	1.520	$ 30.72	$ 46.69	$ 200.00	$ 246.69	$ 26,889.69
215		**Provided By Manufacturer And Installed By BMS**	Temperature Sensor	EA	40	0%	40	0.852	$ 30.72	$ 26.17	$ -	$ 26.17	$ 1,046.94
216		**Furnished And Installed By BMS Contractor**	Temperature Transmitter	EA	114	0%	114	1.520	$ 30.72	$ 46.69	$ 320.00	$ 366.69	$ 41,803.16
217			Variable Frequency Device	EA	9	0%	9	12.250	$ 30.72	$ 376.32	$ 3,152.00	$ 3,528.32	$ 31,754.88
												SUBTOTAL	**$ 1,460,229**

	PROJECTED COST	**$2,431,686**
OVERHEAD AND PROFIT	**10%**	**$243,169**
INSURANCE	**3%**	**$72,951**
CONTINGENCY	**5%**	**$121,584**
TAX	**7%**	**$128,047**
SUGGESTED BID		**$2,997,437**

Notes:

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

ELECTRICAL ESTIMATION

DETAILED BREAKDOWN OF ITEMS

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
GENERAL REQUIREMENTS													
1			Site Supervision (Field Clerk/Safety/Engineer/Quality)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 1,200.00	$ 1,200.00
2			Project Manager	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 2,500.00	$ 2,500.00
3			Fork Lift & Scissor Lift Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
4			Equipment Handling Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 800.00	$ 800.00
5			Per Diem Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 4,800.00	$ 4,800.00
4			Testing & Comissioning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 2,500.00	$ 2,500.00
5			Office Trailers & Facilities (BRMs, Lunch Tent(s), Bathrooms, etc.)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
5			Temporary Fencing, Barriers & Signage	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 800.00	$ 800.00
6			Security (incl. gates, guard shacks, etc.)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
												SUBTOTAL	**$ 12,600**
ELECTRICAL													
			LIGHTING										
			CONDUIT										
7			3/4" EMT Conduit	LF	494	10%	544	0.060	$ 30.72	$ 1.84	$ 1.60	$ 3.44	$ 1,872.13
			CONDUCTOR										
8			#12 CU THHN/THWN	LF	910	10%	1001	0.007	$ 30.72	$ 0.22	$ 0.25	$ 0.47	$ 465.52
9			#10 CU THHN/THWN	LF	573	10%	630	0.008	$ 30.72	$ 0.25	$ 0.32	$ 0.57	$ 356.51
			LIGHTING FIXTURES										
10			F2: 2'x2' High Efficiency Architectural Troffer, FOCAL POINT FAML-22-3000LH-35K-277-LD1 Watts: 29w Mounting: Recessed	EA	5	0%	5	1.558	$ 30.72	$ 47.86	$ 124.92	$ 172.78	$ 863.91
			Ceiling Support Suspension	EA	20	0%	20	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 346.09
			Fixture Lock Clip	EA	20	0%	20	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 85.84
11			F2-EM: 2'x2' High Efficiency Architectural Troffer, FOCAL POINT FAML-22-3000LH-35K-277-LD1 Watts: 29w Mounting: Recessed	EA	5	0%	5	1.812	$ 30.72	$ 55.66	$ 124.92	$ 180.58	$ 902.92
	E-302, E-501		Ceiling Support Suspension	EA	20	0%	20	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 346.09
			Fixture Lock Clip	EA	20	0%	20	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 85.84
12			F1: 2'x4' High Efficiency Architectural Troffer, FOCAL POINT FAML-24-ACR-4000L-40K-1C-277-LD1-W Watts: 39w Mounting: Recessed	EA	14	0%	14	1.875	$ 30.72	$ 57.60	$ 205.55	$ 263.15	$ 3,684.10
			Ceiling Support Suspension	EA	56	0%	56	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 969.04
			Fixture Lock Clip	EA	56	0%	56	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 240.35
13			F1-EM: 2'x4' High Efficiency Architectural Troffer, FOCAL POINT FAML-24-ACR-4000L-40K-1C-277-LD1-W Watts: 39w Mounting: Recessed	EA	14	0%	14	2.685	$ 30.72	$ 82.48	$ 219.75	$ 302.23	$ 4,231.26
			Ceiling Support Suspension	EA	56	0%	56	0.256	$ 30.72	$ 7.86	$ 9.44	$ 17.30	$ 969.04
			Fixture Lock Clip	EA	56	0%	56	0.100	$ 30.72	$ 3.07	$ 1.22	$ 4.29	$ 240.35
14			X1: Exit Sign Watts: 2w, Mounting: Surface	EA	1	0%	1	0.702	$ 30.72	$ 21.57	$ 71.77	$ 93.34	$ 93.34
			LIGHTING CONTROL										
15			Dual-Technology Occupancy Sensor, Ceiling Mounted	EA	5	0%	5	0.785	$ 30.72	$ 24.12	$ 49.98	$ 74.10	$ 370.48
16			Wall Mounted Dual Technology Occupancy Sensor Switch	EA	4	0%	4	0.652	$ 30.72	$ 20.03	$ 44.98	$ 65.01	$ 260.04
												SUBTOTAL	**$ 16,383**
COMMUNICATION													
			LOW VOLTAGE / BMS										
			CONDUCTOR										
17			CAT 6 Cable	LF	2869	10%	3156	0.013	$ 30.72	$ 0.40	$ 0.30	$ 0.70	$ 2,207.09
18			BACnet MSTP (RS485)	LF	810	10%	891	0.016	$ 30.72	$ 0.49	$ 1.32	$ 1.81	$ 1,614.58
			DEVICES										
19		**Provided By Manufacturer And Installed By BMS**	Temperature Sensor	EA	15	0%	15	0.852	$ 30.72	$ 26.17	$ -	$ 26.17	$ 392.60
20	IC-002		Temperature/Humidity Sensor	EA	15	0%	15	1.20	$ 30.72	$ 36.86	$ -	$ 36.86	$ 552.96
21			Leak Detection Sensor	EA	15	0%	15	2.500	$ 30.72	$ 76.80	$ -	$ 76.80	$ 1,152.00
22			Smoke Detector	EA	15	0%	15	0.852	$ 30.72	$ 26.17	$ -	$ 26.17	$ 392.60
23		**Provided & Installed By BMS**	Stand-Alone Control Panel	EA	4	0%	4	12.250	$ 30.72	$ 376.32	$ 6,520.00	$ 6,896.32	$ 27,585.28
24		**Provided & Installed By BMS**	ACC-XX: Factory Control Interface	EA	4	0%	4	12.250	$ 30.72	$ 376.32	$ 4,855.00	$ 5,231.32	$ 20,925.28
25		**Provided & Installed By BMS**	SCP-ACC-XX-XX: Chiller Lineup Controller And I/O	EA	4	0%	4	15.250	$ 30.72	$ 468.48	$ 9,855.00	$ 10,323.48	$ 41,293.92
												SUBTOTAL	**$ 96,116**
												PROJECTED COST	**$125,099**
OVERHEAD AND PROFIT												**10%**	**$12,510**
INSURANCE												**3%**	**$3,753**
CONTINGENCY												**5%**	**$6,255**
TAX												**7%**	**$6,838**
												SUGGESTED BID	**$154,455**

Notes:

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

Phone: +1 708-381-0900

DETAILED BREAKDOWN OF ITEMS

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			GENERAL REQUIREMENTS										
1			Site Supervision (Field Clerk/Safety/Engineer/Quality)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 12,520.00	$ 12,520.00
2			Project Manager	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 18,500.00	$ 18,500.00
3			Fork Lift & Scissor Lift Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 5,200.00	$ 5,200.00
4			Equipment Handling Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 2,100.00	$ 2,100.00
5			Excavator/Trencher Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 4,200.00	$ 4,200.00
6			Per Diem Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 26,522.00	$ 26,522.00
7			Testing & Comissioning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 3,200.00	$ 3,200.00
8			Office Trailers & Facilities (BRMs, Lunch Tent(s), Bathrooms, etc.)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 5,200.00	$ 5,200.00
9			Temporary Fencing, Barriers & Signage	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 6,500.00	$ 6,500.00
10			Security (incl. gates, guard shacks, etc.)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 8,500.00	$ 8,500.00
												SUBTOTAL	$ 92,442
			UTILITIES										
			DISTRIBUTION										
			DUCT BANK										
11			2-Way Concrete Encased Duct Bank (2) 6" PVC SCH 40 Conduit	LF	175	0%	175	0.452	30.72	$ 13.89	$ 35.25	$ 49.14	$ 8,598.70
			CABLE TRAY										
12			2' Wide Cable Tray	LF	559	0%	559	0.120	30.72	$ 3.69	$ 15.60	$ 19.29	$ 10,781.10
			CONDUIT										
13			3" EMT Conduit	LF	1485	10%	1634	0.125	30.72	$ 3.84	$ 6.25	$ 10.09	$ 16,482.02
14			3" PVC SCH 40 Conduit	LF	281	10%	309	0.102	30.72	$ 3.13	$ 3.85	$ 6.98	$ 2,158.58
15		**For MV Assumed**	6" PVC SCH 40 Conduit	LF	263	10%	289	0.152	30.72	$ 4.67	$ 14.98	$ 19.65	$ 5,684.58
16			6" PVC SCH 40 Conduit With Pull String	LF	3464	10%	3810	0.152	30.72	$ 4.67	$ 14.98	$ 19.65	$ 74,872.23
17		**For MV Assumed**	6" PVC SCH 40 Conduit With Pull String	LF	263	10%	289	0.152	30.72	$ 4.67	$ 14.98	$ 19.65	$ 5,684.58
			CONDUCTOR										
18			#3/0 AL THHN/THWN	LF	1767	10%	1944	0.018	30.72	$ 0.55	$ 1.62	$ 2.17	$ 4,223.58
19		**For MV Assumed**	#4/0 CU THHN/THWN	LF	263	10%	289	0.019	30.72	$ 0.58	$ 1.85	$ 2.43	$ 704.06
20			#250 KCMIL AL THHN/THWN	LF	2396	10%	2636	0.019	30.72	$ 0.58	$ 2.02	$ 2.60	$ 6,862.26
21		**For MV Assumed**	#350 KCMIL CU THHN/THWN	LF	789	10%	868	0.021	30.72	$ 0.65	$ 3.20	$ 3.85	$ 3,337.18
22			#400 KCMIL AL THHN/THWN	LF	5301	10%	5831	0.024	30.72	$ 0.74	$ 3.41	$ 4.15	$ 24,183.20
23			#500 KCMIL AL THHN/THWN	LF	9584	10%	10542	0.026	30.72	$ 0.80	$ 3.68	$ 4.48	$ 47,216.46
			LUGS										
24			Compression Lug AL With 1-Hole , #3/0 AL Wire	EA	24	0%	24	0.652	30.72	$ 20.03	$ 8.20	$ 28.23	$ 677.51
25			Heat Shrink Tubing for #3/0 AL Wire	EA	24	0%	24	0.132	30.72	$ 4.06	$ 1.85	$ 5.91	$ 141.72
26		**For MV Assumed**	Compression Lug CU With 1-Hole , #4/0 CU Wire	EA	10	0%	10	0.645	30.72	$ 19.81	$ 8.85	$ 28.66	$ 286.64
27			Heat Shrink Tubing for #4/0 CU Wire	EA	10	0%	10	0.132	30.72	$ 4.06	$ 1.85	$ 5.91	$ 59.05
28			Compression Lug AL With 1-Hole , #250 KCMIL AL Wire	EA	64	0%	64	0.688	30.72	$ 21.14	$ 9.10	$ 30.24	$ 1,935.06
29			Heat Shrink Tubing for #250 KCMIL AL Wire	EA	64	0%	64	0.138	30.72	$ 4.24	$ 2.10	$ 6.34	$ 405.72
30		**For MV Assumed**	Compression Lug CU With 1-Hole , #350 KCMIL CU Wire	EA	30	0%	30	0.925	30.72	$ 28.42	$ 13.85	$ 42.27	$ 1,267.98
31			Heat Shrink Tubing for #350 KCMIL CU Wire	EA	30	0%	30	0.188	30.72	$ 5.78	$ 3.20	$ 8.98	$ 269.26
32			Compression Lug AL With 1-Hole , #400 KCMIL AL Wire	EA	72	0%	72	0.985	30.72	$ 30.26	$ 15.20	$ 45.46	$ 3,273.06
33			Heat Shrink Tubing for #400 KCMIL AL Wire	EA	72	0%	72	0.198	30.72	$ 6.08	$ 3.52	$ 9.60	$ 691.38
34			Compression Lug AL With 1-Hole , #500 KCMIL AL Wire	EA	256	0%	256	0.985	30.72	$ 30.26	$ 21.20	$ 51.46	$ 13,173.56
35			Heat Shrink Tubing for #500 KCMIL AL Wire	EA	256	0%	256	0.210	30.72	$ 6.45	$ 4.52	$ 10.97	$ 2,808.63
			DEVICES										
36		**Owner Furnished Contractor Installed**	REC-1: 27KV, 600A, 3PH, 125KV Bil G&W Viper-s Recloser Pad Or Pole Mount	EA	1	0%	1	15.250	30.72	$ 468.48	$ -	$ 468.48	$ 468.48
37			RMU-1: 27KV, 600A, 3PH, 125KV Bil	EA	1	0%	1	15.250	30.72	$ 468.48	$ -	$ 468.48	$ 468.48
38			XFMR-A1: 750KVA , 24.9KV-480/277V, 3Ph, 4W	EA	1	0%	1	120.000	30.72	$ 3,686.40	$ -	$ 3,686.40	$ 3,686.40
			6"X5'-4" Concrete Pad	EA	1	0%	1	2.520	30.72	$ 77.41	$ 285.25	$ 362.66	$ 362.66
39		**Owner Furnished Contractor Installed**	XFMR-B1: 750KVA , 24.9KV-480/277V, 3Ph, 4W	EA	1	0%	1	120.000	30.72	$ 3,686.40	$ -	$ 3,686.40	$ 3,686.40
			6"X5'-4" Concrete Pad	EA	1	0%	1	2.520	30.72	$ 77.41	$ 285.25	$ 362.66	$ 362.66
40		**Owner Furnished Contractor Installed**	XFMR-C1: 750KVA , 24.9KV-480/277V, 3Ph, 4W	EA	1	0%	1	120.000	30.72	$ 3,686.40	$ -	$ 3,686.40	$ 3,686.40
			6"X5'-4" Concrete Pad	EA	1	0%	1	2.520	30.72	$ 77.41	$ 285.25	$ 362.66	$ 362.66
41		**Owner Furnished Contractor Installed**	XFMR-D1: 750KVA , 24.9KV-480/277V, 3Ph, 4W	EA	1	0%	1	120.000	30.72	$ 3,686.40	$ -	$ 3,686.40	$ 3,686.40
			6"X5'-4" Concrete Pad	EA	1	0%	1	2.520	30.72	$ 77.41	$ 285.25	$ 362.66	$ 362.66
42		**Owner Furnished Contractor Installed**	MVS 5 Section: 600A, 24.9KV, 25KAIC, NEMA 3R	EA	1	0%	1	45.250	30.72	$ 1,390.08	$ -	$ 1,390.08	$ 1,390.08
			600A, Main MVS-Shell Switch	EA	1	0%	1	32.250	30.72	$ 990.72	$ -	$ 990.72	$ 990.72
			600A, Switch And Fuse	EA	4	0%	4	18.500	30.72	$ 568.32	$ -	$ 568.32	$ 2,273.28
43			GEN-A1: Generator Enclosure	EA	1	0%	1	5.000	30.72	$ 153.60	$ -	$ 153.60	$ 153.60
			750KW/938KVA, 480/277V, 3PH, 4W, Standby Optional Diesel Generator	EA	1	0%	1	150.000	30.72	$ 4,608.00	$ -	$ 4,608.00	$ 4,608.00
	E-100, E-101, E-201, E-403, E-404, E-503, E-701, E-703 & E-704	**Owner Furnished Contractor Installed**	480V-208Y/120V, 3PH, 4W, XFMR Generator - A	EA	1	0%	1	5.000	30.72	$ 153.60	$ -	$ 153.60	$ 153.60
			3P/1200AF/1200AT MCB LSI, NC, ERM Breaker	EA	1	0%	1	4.250	30.72	$ 130.56	$ -	$ 130.56	$ 130.56
			Load Bank Tapbox W/Camlock	EA	1	0%	1	5.250	30.72	$ 161.28	$ -	$ 161.28	$ 161.28
			CRTL	EA	1	0%	1	15.000	30.72	$ 460.80	$ -	$ 460.80	$ 460.80
			Panel Generator: 100A, 208/120V 3Ph, 4W, Main MCB With Associated Breaker	EA	1	0%	1	3.250	30.72	$ 99.84	$ -	$ 99.84	$ 99.84
			3P/100A MCB Breaker	EA	1	0%	1	1.500	30.72	$ 46.08	$ -	$ 46.08	$ 46.08
44			GEN-B1: Generator Enclosure	EA	1	0%	1	5.000	30.72	$ 153.60	$ -	$ 153.60	$ 153.60
			750KW/938KVA, 480/277V, 3PH, 4W, Standby Optional Diesel Generator	EA	1	0%	1	150.000	30.72	$ 4,608.00	$ -	$ 4,608.00	$ 4,608.00
		Owner Furnished Contractor Installed	480V-208Y/120V, 3PH, 4W, XFMR Generator - A	EA	1	0%	1	5.000	30.72	$ 153.60	$ -	$ 153.60	$ 153.60
			3P/1200AF/1200AT MCB LSI, NC, ERM Breaker	EA	1	0%	1	4.250	30.72	$ 130.56	$ -	$ 130.56	$ 130.56
			Load Bank Tapbox W/Camlock	EA	1	0%	1	5.250	30.72	$ 161.28	$ -	$ 161.28	$ 161.28
			CRTL	EA	1	0%	1	15.000	30.72	$ 460.80	$ -	$ 460.80	$ 460.80
			Panel Generator: 100A, 208/120V 3Ph, 4W, Main MCB With Associated Breaker	EA	1	0%	1	3.250	30.72	$ 99.84	$ -	$ 99.84	$ 99.84
			3P/100A MCB	EA	1	0%	1	1.500	30.72	$ 46.08	$ -	$ 46.08	$ 46.08
45			GEN-C1: Generator Enclosure	EA	1	0%	1	5.000	30.72	$ 153.60	$ -	$ 153.60	$ 153.60
			750KW/938KVA, 480/277V, 3PH, 4W, Standby Optional Diesel Generator	EA	1	0%	1	150.000	30.72	$ 4,608.00	$ -	$ 4,608.00	$ 4,608.00
		Owner Furnished Contractor Installed	30KVA, 480V-208Y/120V, 3PH, 4W, XFMR Generator - C	EA	1	0%	1	5.000	30.72	$ 153.60	$ -	$ 153.60	$ 153.60
			3P/1200AF/1200AT MCB LSI, NC, ERM Breaker	EA	1	0%	1	4.250	30.72	$ 130.56	$ -	$ 130.56	$ 130.56
			Load Bank Tapbox W/Camlock	EA	1	0%	1	5.250	30.72	$ 161.28	$ -	$ 161.28	$ 161.28
			CRTL	EA	1	0%	1	15.000	30.72	$ 460.80	$ -	$ 460.80	$ 460.80
			Panel Generator: 100A, 208/120V 3Ph, 4W, Main MCB With Associated Breaker	EA	1	0%	1	3.250	30.72	$ 99.84	$ -	$ 99.84	$ 99.84
			3P/100A MCB	EA	1	0%	1	1.500	30.72	$ 46.08	$ -	$ 46.08	$ 46.08
46			GEN-D1: Generator Enclosure	EA	1	0%	1	5.000	30.72	$ 153.60	$ -	$ 153.60	$ 153.60
47			750KW/938KVA, 480/277V, 3PH, 4W, Standby Optional Diesel Generator	EA	1	0%	1	150.000	30.72	$ 4,608.00	$ -	$ 4,608.00	$ 4,608.00
48		**Owner Furnished Contractor Installed**	480V-208Y/120V, 3PH, 4W, XFMR Generator - D1	EA	1	0%	1	5.000	30.72	$ 153.60	$ -	$ 153.60	$ 153.60
49			3P/1200AF/1200AT MCB LSI, NC, ERM Breaker	EA	1	0%	1	4.250	30.72	$ 130.56	$ -	$ 130.56	$ 130.56
50			Load Bank Tapbox W/Camlock	EA	1	0%	1	5.250	30.72	$ 161.28	$ -	$ 161.28	$ 161.28
51			CRTL	EA	1	0%	1	15.000	30.72	$ 460.80	$ -	$ 460.80	$ 460.80
52			Panel Generator: 100A, 208/120V 3Ph, 4W, Main MCB With Associated Breaker	EA	1	0%	1	3.250	30.72	$ 99.84	$ -	$ 99.84	$ 99.84
53			3P/100A MCB	EA	1	0%	1	1.500	30.72	$ 46.08	$ -	$ 46.08	$ 46.08
			POWER										
			DEVICE										
54			800A Motor Connection	EA	4	0%	4	2.100	30.72	$ 64.51	$ -	$ 64.51	$ 258.05
			SITE LIGHTING										
			CONDUIT										

ESTIMATION

DETAILED BREAKDOWN OF ITEMS

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
55			3/4" EMT Conduit	LF	226	10%	248	0.060	30.72	$ 1.84	$ 1.60	$ 3.44	$ 854.81
56			1" PVC SCH 40 Conduit	LF	1053	10%	1159	0.060	30.72	$ 1.84	$ 1.02	$ 2.86	$ 3,317.83
			CONDUCTOR							$ -			
57			#10 CU THHN/THWN	LF	1089	10%	1197	0.008	30.72	$ 0.25	$ 0.25	$ 0.50	$ 593.66
58			#8 CU THHN/THWN	LF	2749	10%	3024	0.009	30.72	$ 0.28	$ 0.75	$ 1.03	$ 3,103.72
			LIGHTING FIXTURES										
59			SL2: Single Headed Pole Mounted Street Light, LITHONIA LIGHTING DSX1 LI	EA	4	0%	4	2.980	30.72	$ 91.55	$ 1,652.00	$ 1,743.55	$ 6,974.18
			20' Square Steel Pole	EA	4	0%	4	4.250	30.72	$ 130.56	$ 1,298.25	$ 1,428.81	$ 5,715.24
			Anchor Bolts	EA	8	0%	8	0.120	30.72	$ 3.69	$ 4.25	$ 7.94	$ 63.49
			Handhole	EA	4	0%	4	0.852	30.72	$ 26.17	$ 85.25	$ 111.42	$ 445.69
60			SL2: Double Headed Pole Mounted Street Light, LITHONIA LIGHTING DSX1 L	EA	13	0%	13	5.250	30.72	$ 161.28	$ 3,304.00	$ 3,465.28	$ 45,048.64
			20' Square Steel Pole	EA	13	0%	13	4.250	30.72	$ 130.56	$ 1,298.25	$ 1,428.81	$ 18,574.53
			Anchor Bolts	EA	26	0%	26	0.120	30.72	$ 3.69	$ 4.25	$ 7.94	$ 206.35
			Handhole	EA	13	0%	13	0.852	30.72	$ 26.17	$ 85.25	$ 111.42	$ 1,448.50
			MISCELLANEOUS										
61			Manhole	EA	10	0%	10	5.850	30.72	$ 179.71	$ 1,652.00	$ 1,831.71	$ 18,317.12
			TRENCHING & BACKFILLING										
62			Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	CFT	6181	0%	6181	0.120	30.72	$ 3.69	$ -	$ 3.69	$ 22,784.46
												SUBTOTAL	$ 408,527

PROJECTED COST		$500,969
OVERHEAD AND PROFIT	10%	$50,097
INSURANCE	3%	$15,029
CONTINGENCY	5%	$25,048
TAX	7%	$18,693
SUGGESTED BID		$609,836

Notes:

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

ELECTRICAL ESTIMATION

MATERIAL LIST

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
			Admin		
			ELECTRICAL		
			DISTRIBUTION		
			CONDUIT (1 Cut Length = 10 LF)		
1			1" EMT Conduit	EA	22
2			1-1/2" EMT Conduit	EA	1
3		**Assumed**	1-1/2" EMT Conduit	EA	1
			CONDUCTOR (1 Roll = 200 LF)		
4			#8 AL THHN/THWN	ROLL	2
5			#6 AL THHN/THWN	ROLL	1
6			#4 AL THHN/THWN	ROLL	5
7		**Assumed**	#1/0 AL THHN/THWN	ROLL	1
			LUGS		
8			Compression Lug AL With 1-Hole , #8 AL Wire	EA	2
9			Heat Shrink Tubing for #8 AL Wire	EA	2
10			Compression Lug AL With 1-Hole , #6 AL Wire	EA	2
11			Heat Shrink Tubing for #6 AL Wire	EA	2
12		**Assumed**	Compression Lug AL With 1-Hole , #6 AL Wire	EA	2
13			Heat Shrink Tubing for #6 AL Wire	EA	2
14			Compression Lug AL With 1-Hole , #4 AL Wire	EA	8
15			Heat Shrink Tubing for #4 AL Wire	EA	8
16			Compression Lug AL With 1-Hole , #1 AL Wire	EA	8
17			Heat Shrink Tubing for #1 AL Wire	EA	8
18			Compression Lug AL With 1-Hole , #1/0 AL Wire	EA	8
19			Heat Shrink Tubing for #1/0 AL Wire	EA	8
20		**Assumed**	Compression Lug AL With 1-Hole , #1/0 AL Wire	EA	8
21			Heat Shrink Tubing for #1/0 AL Wire	EA	8
			PANEL		
22			Panel LP-1: 100A, 208/120V, 3PH, 4W, Main MLO, 42 Pole, Surface Mounted	EA	1
23			1P/20A Breaker	EA	28
24			Panel RP-1: 100A, 208/120V, 3Ph, 4W, Main: MLO, 42 Pole, Recessed Mounted	EA	1
25			1P/20A Breaker	EA	9
26			2P/20A Breaker	EA	6
27			Panel HP-1: 400A, 480V, 3Ph, 4W, Main: MLO, 42 Pole, Recessed Mounted	EA	1
28		**Ampare Rating Assumed**	3P/20A Breaker	EA	4
29			3P/50A Breaker	EA	2
			DEVICES		
30			XFMR-LP-1: 30KVA, 480-208/120VAC, 3PH, 4W, Dry-Type	EA	1
31			Expansion Anchor	EA	4
32			Rod Coupler, Hex Nut And Washer Assembly	EA	4
33			3/4" Threaded Rod	EA	4
34			Viberation Isolater	EA	4
35			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4
36			3/4" Hex Nuts And Lock Washer	EA	2
37			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2
38			1" LFMC Conduit	EA	1
39			TX-RP-1: 30KVA, 480-480/277V, 3PH, 4W, Dry-Type (Assumed)	EA	1
40			Expansion Anchor	EA	4
41			Rod Coupler, Hex Nut And Washer Assembly	EA	4
42			3/4" Threaded Rod	EA	4
43			Viberation Isolater	EA	4
44			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4
45			3/4" Hex Nuts And Lock Washer	EA	2
46			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2

MATERIAL LIST

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
47	E-302, E-501, E-402, E-601 & E-703		1" LFMC Conduit	EA	1
			DISCONNECT SWITCH		
48			1P/20A Fusible Disconnect Switch, NEMA-1	EA	6
49			1P/20A Fusible Disconnect Switch, NEMA-3R	EA	1
50			2P/20A Fusible Disconnect Switch, NEMA-1	EA	6
51			3P/20A Fusible Disconnect Switch, NEMA-1	EA	4
52			3P/30A Fusible Disconnect Switch, NEMA-3R	EA	4
			POWER		
			CONDUIT (1 Cut Length = 10 LF)		
53			3/4" EMT Conduit	EA	188
54			1" EMT Conduit	EA	36
55			3/4" RGS Conduit	EA	2
			CONDUCTOR (1 Roll = 200 LF)		
56			#12 CU THHN/THWN	ROLL	25
57			#10 CU THHN/THWN	ROLL	9
58			#8 CU THHN/THWN	ROLL	4
			DEVICE		
59			Duplex Receptacle	EA	7
60			Duplex Receptacle, GFCI	EA	11
61			Duplex Receptacle, GFCI, Above Counter	EA	3
62			Duplex Receptacle, WP	EA	5
			LIGHTING		
			CONDUIT (1 Cut Length = 10 LF)		
63			3/4" EMT Conduit	EA	190
			CONDUCTOR (1 Roll = 200 LF)		
64			#12 CU THHN/THWN	ROLL	4
65			#10 CU THHN/THWN	ROLL	26
			LIGHTING FIXTURES		
66			C: 4' Wall Mount With Prismatic Acrylic Lens On Front And Bottom, LITHONIA	EA	36
67			F1: 2'x4' High Efficiency Architectural Troffer, FOCAL POINT FAML-24-ACR-4	EA	28
68			Ceiling Support Suspension	EA	112
69			Fixture Lock Clip	EA	112
70			F1-EM: 2'x4' High Efficiency Architectural Troffer, FOCAL POINT FAML-24-A	EA	29
71			Ceiling Support Suspension	EA	116
72			Fixture Lock Clip	EA	116
73			F2: 2'x2' High Efficiency Architectural Troffer, FOCAL POINT FAML-22-3000L	EA	4
74			Ceiling Support Suspension	EA	16
75			Fixture Lock Clip	EA	16
76			F2-EM: 2'x2' High Efficiency Architectural Troffer, FOCAL POINT FAML-22-30	EA	2
77			Ceiling Support Suspension	EA	8
78			Fixture Lock Clip	EA	8
79			F3: 6" Round Downlight, PORTFOLIO LD6C109035D010M1HWatts: 11wMount	EA	6
80			Ceiling Support Suspension	EA	24
81			Fixture Lock Clip	EA	24
82			F3-EM: 6" Round Downlight, PORTFOLIO LD6C109035D010M1H, Watts: 11w,	EA	8
83			Ceiling Support Suspension	EA	32
84			Fixture Lock Clip	EA	32
85			H: Exterior Architectural Wall-pack-full Cutoff Forward Throw Distribution, LITH	EA	8
86			HE: Exterior Architectural Wall-pack-full Cutoff Forward Throw Distribution, LIT	EA	2
87			N-EM: Led Sealed Industries, DAY-BRIGHT V3W-4-51L-830-UNV-LFAWatts:	EA	2
88			X1: Exit Sign Watts: 2w, Mounting: Surface	EA	11
89			X2: Edge Lit Exit Sign (foh), EATON, SURE-LITES EUX-6-RWatts: 2wMountin	EA	8
			LIGHTING CONTROL		
90			2-Pole Toggle Switch	EA	4
91			Dual-Technology Occupancy Sensor, Ceiling Mounted	EA	18
92			Dual-Technology Occupancy Sensor, Wall Mounted	EA	35
			COMMUNICATION		
			LOW VOLTAGE / BMS		
	IC-023		**CONDUIT (1 Cut Length = 10 LF)**		
93			3/4" EMT Conduit	EA	93
			CONDUCTOR (1 Roll = 200 LF)		
94			BACnet MSTP (RS485)	LF	1476
95			#18 CU THHN/THWN	ROLL	10
			DEVICES		
96		Furnished And Installed By BMS	Thermostat	EA	12
97			Pressure Differential Transmitter	EA	1

MATERIAL LIST

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
98		Contractor	BMS Manager Panel, IO Cards, DDC	EA	1
			Data Hall		
			ELECTRICAL		
			DISTRIBUTION		
			CONDUIT (1 Cut Length = 10 LF)		
99			1" EMT Conduit	EA	125
100			1-1/2" EMT Conduit	EA	2
101		Assumed	1-1/2" EMT Conduit	EA	1
102			3" EMT Conduit	EA	122
103		Assumed	3" EMT Conduit	EA	43
104			3-1/2" EMT Conduit	EA	132
			CONDUCTOR (1 Roll = 200 LF)		
105			#10 CU THHN/THWN	ROLL	6
106			#6 CU THHN/THWN	ROLL	18
107			#8 AL THHN/THWN	ROLL	1
108			#6 AL THHN/THWN	ROLL	1
109		Assumed	#6 AL THHN/THWN	ROLL	1
110			#4 AL THHN/THWN	ROLL	2
111		For DC	#1 CU RHW	ROLL	4
112			#1/0 AL THHN/THWN	ROLL	4
113		Assumed	#1/0 AL THHN/THWN	ROLL	3
114			#2/0 AL THHN/THWN	ROLL	5
115			#3/0 AL THHN/THWN	ROLL	3
116			#250 KCMIL AL THHN/THWN	ROLL	2
117			#300 KCMIL AL THHN/THWN	ROLL	13
118		Assumed	#300 KCMIL AL THHN/THWN	ROLL	3
119		For DC	#350 KCMIL CU RHW	ROLL	153
120			#400 KCMIL AL THHN/THWN	ROLL	9
121			#500 KCMIL AL THHN/THWN	ROLL	20
			LUGS		
122			Compression Lug AL With 1-Hole , #8 AL Wire	EA	6
123			Heat Shrink Tubing for #8 AL Wire	EA	6
124			Compression Lug CU With 1-Hole , #6 CU Wire	EA	48
125			Heat Shrink Tubing for #6 CU Wire	EA	48
126			Compression Lug AL With 1-Hole , #6 AL Wire	EA	6
127			Heat Shrink Tubing for #6 AL Wire	EA	6
128		Assumed	Compression Lug AL With 1-Hole , #6 AL Wire	EA	2
129			Heat Shrink Tubing for #6 AL Wire	EA	2
130			Compression Lug AL With 1-Hole , #4 AL Wire	EA	24
131			Heat Shrink Tubing for #4 AL Wire	EA	24
132		For DC	Compression Lug CU With 1-Hole , #1 CU Wire	EA	32
133			Heat Shrink Tubing for #1 CU Wire	EA	32
134			Compression Lug AL With 1-Hole , #1/0 AL Wire	EA	72
135			Heat Shrink Tubing for #1/0 AL Wire	EA	72
136		Assumed	Compression Lug AL With 1-Hole , #1/0 AL Wire	EA	12
137			Heat Shrink Tubing for #1/0 AL Wire	EA	12
138			Compression Lug AL With 1-Hole , #2/0 AL Wire	EA	16
139			Heat Shrink Tubing for #2/0 AL Wire	EA	16
140			Compression Lug AL With 1-Hole , #3/0 AL Wire	EA	120
141			Heat Shrink Tubing for #3/0 AL Wire	EA	120
142			Compression Lug AL With 1-Hole , #250 KCMIL AL Wire	EA	32
143			Heat Shrink Tubing for #250 KCMIL AL Wire	EA	32
144			Compression Lug AL With 1-Hole , #300 KCMIL AL Wire	EA	176
145			Heat Shrink Tubing for #300 KCMIL AL Wire	EA	176
146		Assumed	Compression Lug AL With 1-Hole , #300 KCMIL AL Wire	EA	12
147			Heat Shrink Tubing for #300 KCMIL AL Wire	EA	12
148		For DC	Compression Lug CU With 1-Hole , #350 KCMIL CU Wire	EA	64
149			Heat Shrink Tubing for #350 KCMIL CU Wire	EA	64
150			Compression Lug AL With 1-Hole , #400 KCMIL AL Wire	EA	360
151			Heat Shrink Tubing for #400 KCMIL AL Wire	EA	360
152			Compression Lug AL With 1-Hole , #500 KCMIL AL Wire	EA	144
153			Heat Shrink Tubing for #500 KCMIL AL Wire	EA	144
			PANEL		
154			Panel LP-2: 100A, 208/120V, 3PH, 4W, Main: MCB, 42 Pole, 65KAIC Rated, Su	EA	1
155			1P/20A Breaker	EA	3

MATERIAL LIST

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
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ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
156			3P/100A MCB	EA	1
157			Panel LP-3: 100A, 480/277V, 3Ph, 4W, Main: MCB, 42 Pole, 65KAIC Rated, Sur	EA	1
158			1P/20A Breaker	EA	1
159			3P/100A MCB	EA	1
160			Panel RP-2: 100A, 208/120V, 3PH, 4W, Main: MCB, 42 Pole, 65KAIC Rated, Sur	EA	1
161			1P/20A Breaker	EA	4
162			3P/100A MCB	EA	1
163			Panel RP-3: 100A, 208/120V, 3PH, 4W, Main: MCB, 42 Pole, 65KAIC Rated, Sur	EA	1
164			3P/100A MCB	EA	1
165			Panel MDP-A1: 400A, 480V, 3PH, 3W, Main: MLO, 42 Pole, 42KAIC Rated	EA	1
166			3P/100AF/50AT LSIG NC< ERMS Breaker	EA	1
167			3P/20A Breaker	EA	2
168			3P/60A Breaker	EA	3
169			Panel MDP-B1: 400A, 480V, 3PH, 3W, Main: MLO, 42 Pole, 42KAIC Rated	EA	1
170			3P/100AF/50AT LSIG NC< ERMS Breaker	EA	1
171			3P/20A Breaker	EA	1
172		**Owner Furnished**	3P/60A Breaker	EA	4
173		**Contractor Installed**	Panel MDP-C1: 400A, 480V, 3PH, 3W, Main: MLO, 42 Pole, 42KAIC Rated	EA	1
174			3P/100AF/50AT LSIG NC ERMS Breaker	EA	1
175			3P/20A Breaker	EA	1
176			3P/60A Breaker	EA	4
177			Panel MDP-D1: 400A, 480V, 3PH, 3W, Main: MLO, 42 Pole, 42KAIC Rated	EA	1
178			3P/100AF/50AT LSIG NC ERMS Breaker	EA	1
179			3P/20A Breaker	EA	1
180			3P/60A Breaker	EA	4
181			Panel MSB-A1: 1200A, 480V, 3PH, 4W, Main: MCB, 20 Pole, 65KAIC Rated, U	EA	1
182			3P/1200AF/1200AT MCB LSIG, NC, ERM Breaker	EA	1
183			3P/60AF/30AT LSI, NC Breaker	EA	1
184		**Owner Furnished**	3P/800AF/600AT LSIG, NC, ERMS Breaker	EA	1
185		**Contractor Installed**	3P/100AF/100AT LSI, NC Breaker	EA	1
186			3P/800AF/800AT LSIG, NC, ERMS Breaker	EA	2
187			3P/400AF/400AT LSIG, NC, ERMS Breaker	EA	1
188			Surge Protective Device	EA	1
189			Panel MSB-B1: 1200A, 480V, 3PH, 4W, Main: MCB, 20 Pole, 65KAIC Rated, U	EA	1
190			3P/1200AF/1200AT MCB LSIG, NC, ERM Breaker	EA	1
191			3P/60AF/30AT LSI, NC Breaker	EA	1
192		**Owner Furnished**	3P/800AF/600AT LSIG, NC, ERMS Breaker	EA	1
193		**Contractor Installed**	3P/100AF/100AT LSI, NC Breaker	EA	1
194			3P/800AF/800AT LSIG, NC, ERMS Breaker	EA	2
195			3P/400AF/400AT LSIG, NC, ERMS Breaker	EA	1
196			Surge Protective Device	EA	1
197			Panel MSB-C1: 1200A, 480V, 3PH, 3W, Main: MCB, 20 Pole, 65KAIC Rated, U	EA	1
198			3P/1200AF/1200AT MCB LSIG, NC, ERM Breaker	EA	1
199			3P/60AF/30AT LSI, NC Breaker	EA	1
200		**Owner Furnished**	3P/800AF/600AT LSIG, NC, ERMS Breaker	EA	1
201		**Contractor Installed**	3P/100AF/100AT LSI, NC Breaker	EA	1
202			3P/800AF/800AT LSIG, NC, ERMS Breaker	EA	2
203			3P/400AF/400AT LSIG, NC, ERMS Breaker	EA	1
204			Surge Protective Device	EA	1
205			Panel MSB-D1: 1200A, 480V, 3PH, 3W, Main: MCB, 20 Pole, 65KAIC Rated, U	EA	1
206			3P/1200AF/1200AT MCB LSIG, NC, ERM Breaker	EA	1
207			3P/60AF/30AT LSI, NC Breaker	EA	1
208		**Owner Furnished**	3P/800AF/600AT LSIG, NC, ERMS Breaker	EA	1
209		**Contractor Installed**	3P/100AF/100AT LSI, NC Breaker	EA	1
210			3P/800AF/800AT LSIG, NC, ERMS Breaker	EA	2
211			3P/400AF/400AT LSIG, NC, ERMS Breaker	EA	1
212			Surge Protective Device	EA	1
213			Pamel UDP-A: 800A, 480V, 3PH, 3W,18 Pole, 65KAIC Rated	EA	1
214			3P/600AF/600AT LSIG NC, ERMS Breaker	EA	1
215			3P/800AF/800AT LSI NC ERMS MOB Breaker	EA	1
216			3P/800AF/800AT LSI NC ERMS UOB Breaker	EA	1
217			3P/800AF/800AT LSI NO, ERMS MMB Breaker	EA	1
218			Pamel UDP-B: 800A, 480V, 3PH, 3W,18 Pole, 65KAIC Rated	EA	1
219			3P/600AF/600AT LSIG NC, ERMS Breaker	EA	1
220			3P/800AF/800AT LSI NC ERMS MOB Breaker	EA	1
221			3P/800AF/800AT LSI NC ERMS UOB Breaker	EA	1
222			3P/800AF/800AT LSI NO, ERMS MMB Breaker	EA	1
223			Pamel UDP-D: 800A, 480V, 3PH, 3W,18 Pole, 65KAIC Rated	EA	1
224			3P/600AF/600AT LSIG NC, ERMS Breaker	EA	1
225			3P/800AF/800AT LSI NC ERMS MOB Breaker	EA	1
226			3P/800AF/800AT LSI NC ERMS UOB Breaker	EA	1
227			3P/800AF/800AT LSI NO, ERMS MMB Breaker	EA	1
228			Pamel UDP-C: 800A, 480V, 3PH, 3W,18 Pole, 65KAIC Rated	EA	1
229			3P/600AF/600AT LSIG NC, ERMS Breaker	EA	1
230			3P/800AF/800AT LSI NC ERMS MOB Breaker	EA	1

MATERIAL LIST

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
231	E-303, E-304, E-403, E-404, E-501, E-601, E-602, E-703 & E-704		3P/800AF/800AT LSI NC ERMS UOB Breaker	EA	1
232			3P/800AF/800AT LSI NO, ERMS MMB Breaker	EA	1
233			Panel RPP-A1: 400A, 415/240V, 3Ph, 4W With All Associated Breaker	EA	1
234			Panel RPP-A2: 400A, 415/240V, 3Ph, 4W With All Associated Breaker	EA	1
235			Panel RPP-B1: 400A, 415/240V, 3Ph, 4W With All Associated Breaker	EA	1
236			Panel RPP-B2: 400A, 415/240V, 3Ph, 4W With All Associated Breaker	EA	1
237			Panel RPP-C1: 400A, 415/240V, 3PH, 4W With All Associated Breaker	EA	1
238			Panel RPP-C2: 400A, 415/240V, 3PH, 4W With All Associated Breaker	EA	1
239			Panel RPP-D1: 400A, 415/240V, 3PH, 4W With All Associated Breaker	EA	1
240			Panel RPP-D2: 400A, 415/240V, 3PH, 4W With All Associated Breaker	EA	1
			DEVICES		
241			ATS-MSB-A1: 1200A, 480V, 3PH	EA	1
242			ATS-MSB-B1: 1200A, 480V, 3PH	EA	1
243			ATS-MSB-C1: 1200A, 480V, 3PH	EA	1
244			ATS-MSB-D1: 1200A, 480V, 3PH	EA	1
245		Owner Furnished Contractor Installed	Battery cabinet For UPS-A1	EA	4
246			Battery cabinet For UPS-B1	EA	4
247			Battery cabinet For UPS-C1	EA	4
248			Battery cabinet For UPS-D1	EA	4
249			UPS-A1: 350KVA, 350KW, 480V, 3PH, 3W	EA	1
250			UPS-B1: 350KVA, 350KW, 480V, 3PH, 3W	EA	1
251			UPS-C1: 350KVA, 350KW, 480V, 3PH, 3W	EA	1
252			UPS-D1: 350KVA, 350KW, 480V, 3PH, 3W	EA	1
253			XFMR-LP-1: 30KVA, 480-208/120VAC, 3PH, 4W	EA	1
254			Expansion Anchor	EA	4
255			Rod Coupler, Hex Nut And Washer Assembly	EA	4
256			3/4" Threaded Rod	EA	4
257			Viberation Isolater	EA	4
258			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4
259			3/4" Hex Nuts And Lock Washer	EA	2
260			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2
261			1" LFMC Conduit	EA	1
262			XFMR-LP-2: 30KVA, 480-208/120VAC, 3PH, 4W	EA	1
263			Expansion Anchor	EA	4
264			Rod Coupler, Hex Nut And Washer Assembly	EA	4
265			3/4" Threaded Rod	EA	4
266			Viberation Isolater	EA	4
267			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4
268			3/4" Hex Nuts And Lock Washer	EA	2
269			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2
270			1" LFMC Conduit	EA	1
271		Assumed	XFMR-LP-3: 30KVA, 480-480/277V, 3PH, 4W	EA	1
272			Expansion Anchor	EA	4
273			Rod Coupler, Hex Nut And Washer Assembly	EA	4
274			3/4" Threaded Rod	EA	4
275			Viberation Isolater	EA	4
276			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4
277			3/4" Hex Nuts And Lock Washer	EA	2
278			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2
279			1" LFMC Conduit	EA	1
280			XFMR-RP-2: 30KVA, 480-208/120VAC, 3PH, 4W	EA	1
281			Expansion Anchor	EA	4
282			Rod Coupler, Hex Nut And Washer Assembly	EA	4
283			3/4" Threaded Rod	EA	4
284			Viberation Isolater	EA	4
285			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4
286			3/4" Hex Nuts And Lock Washer	EA	2
287			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2
288			1" LFMC Conduit	EA	1
289			XFMR-RP-3: 30KVA, 480-208/120VAC, 3PH, 4W	EA	1
290			Expansion Anchor	EA	4
291			Rod Coupler, Hex Nut And Washer Assembly	EA	4
292			3/4" Threaded Rod	EA	4
293			Viberation Isolater	EA	4
294			Neoprenevibration Isolation, Mason Industries " Super W" Pad	EA	4
295			3/4" Hex Nuts And Lock Washer	EA	2

MATERIAL LIST

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
Project ID: 8282026
Scope: I& Electrical , Demolition

ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
296			Steel Unistrut Assembaly, Channel Mounted Back To Back And Welded On 3" Ce	EA	2
297			1" LFMC Conduit	EA	1
298		Owner Furnished Contractor Installed	PDU-A1: Distribution Unit	EA	1
299			350KVA, 48V:415/240V, XFMR	EA	1
300			3P/400AF/400AT Breaker	EA	5
301			3P/600AF/600AT MCB, ERMS, NC Breaker	EA	1
302		Owner Furnished Contractor Installed	PDU-B1: Power Distribution Unit	EA	1
303			350KVA, 48V:415/240V, XFMR	EA	1
304			3P/400AF/400AT Breaker	EA	5
305			3P/600AF/600AT MCB, ERMS, NC Breaker	EA	1
306		Owner Furnished Contractor Installed	PDU-C1: Power Distribution Unit	EA	1
307			350KVA, 48V:415/240V, XFMR	EA	1
308			3P/400AF/400AT Breaker	EA	5
309			3P/600AF/600AT MCB, ERMS, NC Breaker	EA	1
310		Owner Furnished Contractor Installed	PDU-D1: Power Distribution Unit	EA	1
311			350KVA, 48V:415/240V, XFMR	EA	1
312			3P/400AF/400AT Breaker	EA	5
313			3P/600AF/600AT MCB, ERMS, NC Breaker	EA	1
			DISCONNECT SWITCH		
314			1P/20A Fusible Disconnect Switch, NEMA-1	EA	4
315			3P/15A Fusible Disconnect Switch, NEMA-1	EA	5
316			3P/20A Fusible Disconnect Switch, NEMA-1	EA	5
317			3P/60A Fusible Disconnect Switch, NEMA-1	EA	8
318			3P/800A UPS-ISO-Disconnect Switch, NEMA 1	EA	4
			GROUNDING		
319			3/4"X10' Copper Clad Steel Ground Rod	EA	27
320			1/4" x 4" x 20" CU Ground Busbar With (27) Sets Of 5/16" Holes & (3) Sets	EA	12
321			#4/0 Bare Copper Grounding Conductor(1 Roll = 200 LF)	ROLL	2
322		Assumed	Ground Bus	EA	36
323			3/4"X10' Ground Rod Connection At Test Well	EA	2
324			ERICO #T416B Green Box With 10" Cover	EA	2
325			#4/0 CU Grounding Conductor	ROLL	8
			POWER		
			CONDUIT (1 Cut Length = 10 LF)		
326			3/4" EMT Conduit	EA	413
			CONDUCTOR (1 Roll = 200 LF)		
327			#12 CU THHN/THWN	ROLL	51
328			#10 CU THHN/THWN	ROLL	20
			DEVICE		
329			Duplex Receptacle	EA	53
330			Duplex Receptacle, WP	EA	7
			LIGHTING		
			CONDUIT (1 Cut Length = 10 LF)		
331			3/4" EMT Conduit	EA	602
			CONDUCTOR (1 Roll = 200 LF)		
332			#12 CU THHN/THWN	ROLL	4
333			#10 CU THHN/THWN	ROLL	84
334			#8 CU THHN/THWN	ROLL	4
			LIGHTING FIXTURES		
335			C: 4' Wall Mount With Prismatic Acrylic Lens On Front And Bottom, LITHONIA	EA	14
336			C-EM: 4' Wall Mount With Emergency Battery Backup With Prismatic Acrylic Le	EA	13
337			H: Exterior Architectural Wall-pack-full Cutoff Forward Throw Distribution, LITH	EA	1
338			HE: Exterior Architectural Wall-pack-full Cutoff Forward Throw Distribution, LIT	EA	2
339			M4: 4' Pendant Light, LITHONIA LIGHTING CLX L48 4000LM HEF RDL MV(	EA	62
340			M4-EM: 4' Pendant Light, LITHONIA LIGHTING CLX L48 4000LM HEF RDL	EA	66
341			V1-EM: 2'x4' Emergency Battery Backup High Efficiency Architectural Troffer, F	EA	102
342			Ceiling Support Suspension	EA	408
343			Fixture Lock Clip	EA	408
344			V1: 2'x4' High Efficiency Architectural Troffer, FOCAL POINT FAML-24-ACR-	EA	103
345			Ceiling Support Suspension	EA	412
346			Fixture Lock Clip	EA	412
347			X1: Exit Sign Watts: 2w, Mounting: Surface	EA	15
348			X2: Edge Lit Exit Sign (foh), EATON, SURE-LITES EUX-6-RWatts: 2wMountin	EA	5
			LIGHTING CONTROL		
349			2-Pole Toggle Switch	EA	1
350			3-Way Switch	EA	16
351			12P/20A, 480V, 14KAIC, Lighting Contactor, ASCO#918	EA	1
352			Lighting Control Module 48M	EA	1
			MISCELLANEOUS		

MATERIAL LIST

Prepared for: TRG Flower's Branch Phase-1, 4404 Beltwood Parkway South Flower's Branch, TX 75244
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ELECTRICAL ESTIMATION
+1 708-381-0900

Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
353			Junction Box	EA	8
					COMMUNICATION
			LOW VOLTAGE / BMS		
			CONDUIT (1 Cut Length = 10 LF)		
354			3/4" EMT Conduit	EA	97
			CONDUCTOR (1 Roll = 200 LF)		
355			CAT 6 Cable	ROLL	20
356			Fiber Optic Cable	ROLL	1
357			BACnet - IP (Ethernet)	ROLL	4
358			BACnet MSTP (RS485)	ROLL	15
359			#18 CU THHN/THWN	ROLL	10
			DEVICES		
360		**Furnished And Installed By BMS Contractor**	EPMS Virtual Servers DCMS	EA	1
361			BMS Virtual Servers DCMS	EA	1
362			BMS Manager Panel, IO Cards, DDC	EA	7
363		**Provided & Installed By BMS**	Network Switch	EA	1
364			SCP-ACC-XX-XX: Chiller Lineup Controller And I/O	EA	4
365			ACC-XX: Factory Control Interface	EA	4
366			Stand-Alone Control Panel	EA	4
367		**Provided BY Manufacturer And Installed By BMS**	Temperature/Humidity Sensor	EA	12
368			Ethernet Switch	EA	13
369			Gateway	EA	15
370			Thermostat	EA	6
371		**Furnished And Installed By BMS Contractor**	Pressure Differential Transmitter	EA	2
372		**Provided BY Manufacturer And Installed By BMS**	Temperature Humidity Sensor & H2	EA	8
			HEAT TRACE		
			HEAT TRACE		
373		**Wire Assumed**	8W/ft, 120V Self— Reg Heating Cable (CLASS 1 DIV 2), 8BTV1 —CT	ROLL	9
			DEVICES		
374		**Provided And Installed By MC**	Heat Trace Control Panel	EA	1
			INSTRUMENTATION		
			CONDUIT (1 Cut Length = 10 LF)		
375			3/4" EMT Conduit	EA	299
			CONDUCTOR (1 Roll = 200 LF)		
376		**Wire Assumed**	2PR#16 AWG - 600V 90 DegC - TC-UL,	LF	30
			DEVICES		
377	**IC-002, IC-003, IC-004, IC-005, IC-006, IC-007, IC-008, IC-009, IC-010, IC-011, IC-012 IC-018 & IC-019**	**Furnished And Installed By BMS Contractor**	Pressure Differential Indicating Controller	EA	35
378			Flow Meter	EA	16
379			Position Controller	EA	48
380			Position Transmitter	EA	16
381			ACCS Control Panel	EA	2
382			Analog Input	EA	190
383			Analog Output	EA	89
384			CO2 Indicating Controller	EA	3
385			CO2 Indicator	EA	4
386			CO2 Sensor/Element	EA	5
387			Differential Pressure Sensor	EA	3
388			Digital Input	EA	131
389			Digital Output	EA	46
390			Electronically Commutated Motor	EA	96
391			Event/Status Indicator	EA	86
392			Fire/Smoke Damper	EA	3
393			Flow Control Valve System	EA	19
394			Flow Element	EA	21
395			Flow Indicating Controller	EA	61
396			Flow Indicating Transmitter	EA	30
397			Flow Indicator	EA	28
398			Hand Switch	EA	37
399			Humidity Indicator	EA	16
400			Inline Flow Meter	EA	2

MATERIAL LIST

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ELECTRICAL ESTIMATION
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Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
401			Isolating Switch	EA	3
402		**Provided BY Manufacturer And Installed By BMS**	Leak Detection	EA	1
403		**Furnished And Installed By BMS Contractor**	Level Switch	EA	2
404			Meter/measurement indication	EA	3
405			Moisture Indicator	EA	110
406			Motion Damper	EA	24
407			Motion Detector	EA	27
408			Motion Sensor	EA	2
409			Position Indicator	EA	30
410			Position Switch	EA	9
411			Pressure Differential Indicator	EA	63
412			Pressure Differential Transmitter	EA	112
413			Pressure Independent Control Valve	EA	27
414			Pressure Indicator	EA	90
415			Pressure Sensor/Element	EA	11
416			Pressure Transmitter	EA	9
417		**Provided BY Manufacturer And Installed By BMS**	Smoke Detector	EA	36
418		**Furnished And Installed By BMS Contractor**	Space Motion Humidity Sensor	EA	1
419			Speed Indicator	EA	40
420			Temperature Control Valve	EA	32
421			Temperature Indicating Alarm	EA	4
422			Temperature Indicating Controller	EA	40
423			Temperature Indicator	EA	301
424			Temperature sensing element	EA	109
425		**Provided By Manufacturer And Installed By BMS**	Temperature Sensor	EA	40
426		**Furnished And Installed By BMS Contractor**	Temperature Transmitter	EA	114
427			Variable Frequency Device	EA	9
			Future Work		
			ELECTRICAL		
			LIGHTING		
			CONDUIT (1 Cut Length = 10 LF)		
428			3/4" EMT Conduit	EA	50
			CONDUCTOR (1 Roll = 200 LF)		
429			#12 CU THHN/THWN	ROLL	5
430			#10 CU THHN/THWN	ROLL	3
			LIGHTING FIXTURES		
431			F2: 2'x2' High Efficiency Architectural Troffer, FOCAL POINT FAML-22-3000L	EA	5
432			Ceiling Support Suspension	EA	20
433			Fixture Lock Clip	EA	20
434	**E-302, E-501**		F2-EM: 2'x2' High Efficiency Architectural Troffer, FOCAL POINT FAML-22-30	EA	5
435			Ceiling Support Suspension	EA	20
436			Fixture Lock Clip	EA	20
437			F1: 2'x4' High Efficiency Architectural Troffer, FOCAL POINT FAML-24-ACR-4	EA	14
438			Ceiling Support Suspension	EA	56
439			Fixture Lock Clip	EA	56
440			F1-EM: 2'x4' High Efficiency Architectural Troffer, FOCAL POINT FAML-24-A	EA	14
441			Ceiling Support Suspension	EA	56
442			Fixture Lock Clip	EA	56
443			X1: Exit Sign Watts: 2w, Mounting: Surface	EA	1
			LIGHTING CONTROL		
444			Dual-Technology Occupancy Sensor, Ceiling Mounted	EA	5
445			Wall Mounted Dual Technology Occupancy Sensor Switch	EA	4
			COMMUNICATION		
			LOW VOLTAGE / BMS		
			CABLE TRAY (1 Roll = 200 LF)		
446			CAT 6 Cable	ROLL	14
447			BACnet MSTP (RS485)	ROLL	4
			DEVICES		
448		**Provided By Manufacturer And Installed By BMS**	Temperature Sensor	EA	15
449			Temperature/Humidity Sensor	EA	15
450	**IC-002**		Leak Detection Sensor	EA	15
451			Smoke Detector	EA	15

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452		**Provided & Installed By BMS**	Stand-Alone Control Panel	EA	4
453		**Provided & Installed By BMS**	ACC-XX: Factory Control Interface	EA	4
454		**Provided & Installed By BMS**	SCP-ACC-XX-XX: Chiller Lineup Controller And I/O	EA	4
			Utility		
			UTILITIES		
			DISTRIBUTION		
			DUCT BANK		
455			2-Way Concrete Encased Duct Bank (2) 6" Conduit	EA	18
			CABLE TRAY (1 Roll = 200 LF)		
456			2' Cable Tray	ROLL	3
			CONDUIT (1 Cut Length = 10 LF)		
457			3" EMT Conduit	EA	149
458			3" PVC SCH 40 Conduit	EA	29
459		**For MV Assumed**	6" PVC SCH 40 Conduit	EA	27
460			6" PVC SCH 40 Conduit With Pull String	EA	347
461		**For MV Assumed**	6" PVC SCH 40 Conduit With Pull String	EA	27
			CONDUCTOR (1 Roll = 200 LF)		
462			#3/0 AL THHN/THWN	ROLL	9
463		**For MV Assumed**	#4/0 CU THHN/THWN	ROLL	2
464			#250 KCMIL AL THHN/THWN	ROLL	12
465		**For MV Assumed**	#350 KCMIL CU THHN/THWN	ROLL	4
466			#400 KCMIL AL THHN/THWN	ROLL	27
467			#500 KCMIL AL THHN/THWN	ROLL	48
			LUGS		
468			Compression Lug AL With 1-Hole , #3/0 AL Wire	EA	24
469			Heat Shrink Tubing for #3/0 AL Wire	EA	24
470		**For MV Assumed**	Compression Lug CU With 1-Hole , #4/0 CU Wire	EA	10
471			Heat Shrink Tubing for #4/0 CU Wire	EA	10
472			Compression Lug AL With 1-Hole , #250 KCMIL AL Wire	EA	64
473			Heat Shrink Tubing for #250 KCMIL AL Wire	EA	64
474		**For MV Assumed**	Compression Lug CU With 1-Hole , #350 KCMIL CU Wire	EA	30
475			Heat Shrink Tubing for #350 KCMIL CU Wire	EA	30
476			Compression Lug AL With 1-Hole , #400 KCMIL AL Wire	EA	72
477			Heat Shrink Tubing for #400 KCMIL AL Wire	EA	72
478			Compression Lug AL With 1-Hole , #500 KCMIL AL Wire	EA	256
479			Heat Shrink Tubing for #500 KCMIL AL Wire	EA	256
			DEVICES		
480			REC-1: 27KV, 600A, 3PH, 125KV Bil G&W Viper-s Recloser Pad Or Pole Moun	EA	1
481			RMU-1: 27KV, 600A, 3PH, 125KV Bil	EA	1
482		**Owner Furnished Contractor Installed**	XFMR-A1: 750KVA , 24.9KV-480/277V, 3Ph, 4W	EA	1
483			6"X5'-4" Concrete Pad	EA	1
484		**Owner Furnished Contractor Installed**	XFMR-B1: 750KVA , 24.9KV-480/277V, 3Ph, 4W	EA	1
485			6"X5'-4" Concrete Pad	EA	1
486		**Owner Furnished Contractor Installed**	XFMR-C1: 750KVA , 24.9KV-480/277V, 3Ph, 4W	EA	1
487			6"X5'-4" Concrete Pad	EA	1
488		**Owner Furnished Contractor Installed**	XFMR-D1: 750KVA , 24.9KV-480/277V, 3Ph, 4W	EA	1
489			6"X5'-4" Concrete Pad	EA	1
490			MVS 5 Section: 600A, 24.9KV, 25KAIC, NEMA 3R	EA	1
491			600A, Main MVS-Shell Switch	EA	1
492			600A, Switch And Fuse	EA	4
493		**Owner Furnished Contractor Installed**	GEN-A1: Generator Enclosure	EA	1
494			750KW/938KVA, 480/277V, 3PH, 4W, Standby Optional Diesel Generator	EA	1
495			480V-208Y/120V, 3PH, 4W, XFMR Generator - A	EA	1
496	**E-100, E-101, E-201, E-403, E-404, E-503, E-701, E-703 & E-704**		3P/1200AF/1200AT MCB LSI, NC, ERM Breaker	EA	1
497			Load Bank Tapbox W/Camlock	EA	1
498			CRTL	EA	1
499			Panel Generator: 100A, 208/120V 3Ph, 4W, Main MCB With Associated Breaker	EA	1
500			3P/100A MCB Breaker	EA	1
501		**Owner Furnished Contractor Installed**	GEN-B1: Generator Enclosure	EA	1

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
502			750KW/938KVA, 480/277V, 3PH, 4W, Standby Optional Diesel Generator	EA	1
503			480V-208Y/120V, 3PH, 4W, XFMR Generator - A	EA	1
504			3P/1200AF/1200AT MCB LSI, NC, ERM Breaker	EA	1
505			Load Bank Tapbox W/Camlock	EA	1
506			CRTL	EA	1
507			Panel Generator: 100A, 208/120V 3Ph, 4W, Main MCB With Associated Breaker	EA	1
508			3P/100A MCB	EA	1
509		**Owner Furnished Contractor Installed**	GEN-C1: Generator Enclosure	EA	1
510			750KW/938KVA, 480/277V, 3PH, 4W, Standby Optional Diesel Generator	EA	1
511			30KVA, 480V-208Y/120V, 3PH, 4W, XFMR Generator - C	EA	1
512			3P/1200AF/1200AT MCB LSI, NC, ERM Breaker	EA	1
513			Load Bank Tapbox W/Camlock	EA	1
514			CRTL	EA	1
515			Panel Generator: 100A, 208/120V 3Ph, 4W, Main MCB With Associated Breaker	EA	1
516			3P/100A MCB	EA	1
517		**Owner Furnished Contractor Installed**	GEN-D1: Generator Enclosure	EA	1
518			750KW/938KVA, 480/277V, 3PH, 4W, Standby Optional Diesel Generator	EA	1
519			480V-208Y/120V, 3PH, 4W, XFMR Generator - D1	EA	1
520			3P/1200AF/1200AT MCB LSI, NC, ERM Breaker	EA	1
521			Load Bank Tapbox W/Camlock	EA	1
522			CRTL	EA	1
523			Panel Generator: 100A, 208/120V 3Ph, 4W, Main MCB With Associated Breaker	EA	1
524			3P/100A MCB	EA	1
			POWER		
			DEVICE		
525			800A Motor Connection	EA	4
			SITE LIGHTING		
			CONDUIT (1 Cut Length = 10 LF)		
526			3/4" EMT Conduit	EA	23
527			1" PVC SCH 40 Conduit	EA	106
			CONDUCTOR (1 Roll = 200 LF)		
528			#10 CU THHN/THWN	ROLL	6
529			#8 CU THHN/THWN	ROLL	14
			LIGHTING FIXTURES		
530			SL2: Single Headed Pole Mounted Street Light, LITHONIA LIGHTING DSX1 LE	EA	4
531			20' Square Steel Pole	EA	4
532			Anchor Bolts	EA	8
533			Handhole	EA	4
534			SL2: Double Headed Pole Mounted Street Light, LITHONIA LIGHTING DSX1 L	EA	13
535			20' Square Steel Pole	EA	13
536			Anchor Bolts	EA	26
537			Handhole	EA	13
			MISCELLANEOUS		
538			Manhole	EA	10
			TRENCHING & BACKFILLING		
539			Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	CFT	6181