

GENERAL SUMMARY

Prepared for:

Project ID:

Scope:

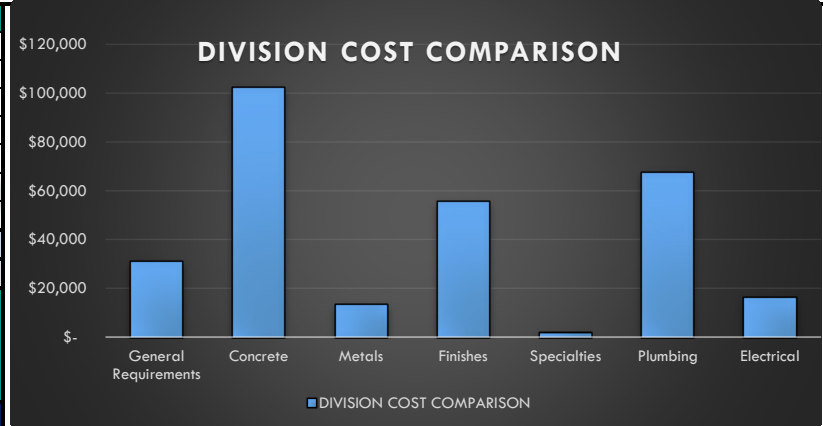
Date:

GC



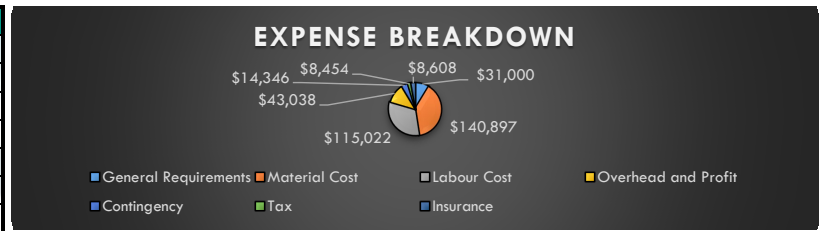
BUILDING GSF 3,310

DIVISION NO.		TOTAL DIV. COST	TOTAL DIV. COST
1000	General Requirements	\$ 31,000	\$ 9.37
3000	Concrete	\$ 102,285	\$ 30.90
5000	Metals	\$ 13,020	\$ 3.93
9000	Finishes	\$ 55,533	\$ 16.78
10000	Specialties	\$ 1,701	\$ 0.51
22000	Plumbing	\$ 67,466	\$ 20.38
26000	Electrical	\$ 15,915	\$ 4.81
TOTAL TRADE COST		\$ 286,919	\$ 87
OVERHEAD AND PROFIT 15%		\$ 43,038	\$ 13.00
Tax 6%		\$ 8,454	\$ 5.20
INSURANCE 3%		\$ 8,608	\$ 2.60
CONTINGENCY 5%		\$ 14,346	\$ 4.33
TOTAL TRADE COST		\$ 361,364	\$ 112



EXPENSE BREAKDOWN

SR#	DESCRIPTION	TOTAL DIV. COST
1	General Requirements	\$ 31,000
2	Material Cost	\$ 140,897
3	Labour Cost	\$ 115,022
4	Overhead and Profit	\$ 43,038
5	Contingency	\$ 14,346
6	Tax	\$ 8,454
7	Insurance	\$ 8,608



DETAILED BREAKDOWN OF ITEMS											
Prepared for:											
Project ID:											
Scope:		GC									
											
Date:											
SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
GENERAL REQUIREMENTS											
1	Permits	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00
2	Supervision and Coordination	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 20,000.00	\$ 20,000.00
3	Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00
4	Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,000.00	\$ 1,000.00
5	Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 1,500.00
6	Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,000.00	\$ 1,000.00
SUBTOTAL											\$ 31,000
CONCRETE											
CAST IN PLACE CONCRETE											
CONCRETE RETAINING WALL @ POOL WALL											
Concrete											
7	11" Thick Concrete Retaining Wall (3.25' H)	CY	2.60	10%	3	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,211.69
8	11" Thick Concrete Retaining Wall (2.75' H)	CY	1.42	10%	2	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 660.35
9	10" Thick Concrete Retaining Wall (4.375' H)	CY	7.19	10%	8	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 3,347.49
10	10" Thick Concrete Retaining Wall (4.25' H)	CY	3.93	10%	4	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,830.31
11	10" Thick Concrete Retaining Wall (4.125' H)	CY	1.92	10%	2	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 894.16
12	8" Thick Concrete Retaining Wall (4.125'H)	CY	1.55	10%	2	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 719.19
13	8" Thick Concrete Retaining Wall (3.25' H)	CY	2.19	10%	2	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,016.94
14	8" Thick Concrete Retaining Wall (2.75' H)	CY	0.91	10%	1	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 425.48
15	8" Thick Concrete Retaining Wall (2.25' H)	CY	2.35	10%	3	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,091.13
16	Additional Concrete (0.34 SF) @ Pool Wall (235 LF)	CY	2.96	10%	3	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,376.94
Reinforcement											
17	Reinforcement @ Concrete Retaining Wall - #4 (7076 LF)	LBS	4727	10%	5199	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 6,603.29
Form Work											
18	Form Work @ Concrete Retaining Wall	SF	1647	10%	1812	0.090	\$ 39.00	\$ 3.51	\$ -	\$ 3.51	\$ 6,359.07
Excavation											
19	Excavation @ Pool	CY	293	10%	322	1.300	\$ 62.00	\$ 80.60	\$ -	\$ 80.60	\$ 25,977.38
CONCRETE @ POOL FLOOR											
Concrete											
20	6" Thick Concrete Floor (775 SF)	CY	14.35	10%	16	1.500	\$ 145.00	\$ 217.50	\$ 162.00	\$ 379.50	\$ 5,991.18
21	8" Thick Concrete Floor (621 SF)	CY	15.41	10%	17	1.500	\$ 145.00	\$ 217.50	\$ 162.00	\$ 379.50	\$ 6,432.90
Gravel @ Pool Floor Base											
22	12" Thick Gravel (1396 SF)	CY	51.70	10%	57	1.100	\$ 48.00	\$ 52.80	\$ 105.00	\$ 157.80	\$ 8,974.73
Reinforcement											
23	Reinforcement @ Concrete Floor - #4 (3142 LF)	LBS	2099	10%	2309	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 2,932.10
Form Work											
24	Form Work @ Concrete Floor	SF	142	10%	156	0.090	\$ 39.00	\$ 3.51	\$ -	\$ 3.51	\$ 548.26
CONCRETE @ POOL RAMP											
Concrete											
25	12" Thick Concrete (211 SF)	CY	7.81	10%	9	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 3,636.23
Gravel @ Pool Floor Base											
26	12" Thick Gravel (211 SF)	CY	7.81	10%	9	1.100	\$ 48.00	\$ 52.80	\$ 105.00	\$ 157.80	\$ 1,356.50
Reinforcement											
27	Reinforcement @ Concrete Floor - #4 (973 LF)	LBS	650	10%	715	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 908.00
FRP CONCRETE @ POOL PATIO DECK											
Concrete											
28	4" Thick Concrete Deck (1690 SF)	CY	20.66	10%	23	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 9,611.03
Gravel @ Pool Patio Deck											
29	6" Thick Gravel (1690 SF)	CY	31.30	10%	34	0.900	\$ 48.00	\$ 43.20	\$ 105.00	\$ 148.20	\$ 5,101.92
Reinforcement											
30	Reinforcement @ FRP Concrete Patio Deck - Wire Mesh 6x6 - W2.0xW2.0 WWF (1690 SF)	SF	1690	10%	1859	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 2,360.93
CONCRETE PAD @ POOL PATIO DECK											
Concrete											
31	2.5'x2.5'x12" Deep FRP Concrete @ Lift Socket	CY	2.60	10%	3	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,211.69
32	1.5'x1.5'x6" Deep FRP Concrete @ Pole Socket	CY	0.04	10%	0	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 19.39
Gravel @ Concrete Pad											
33	6" Thick Gravel (8.5 SF)	CY	0.16	10%	0	0.900	\$ 48.00	\$ 43.20	\$ 105.00	\$ 148.20	\$ 25.66
Reinforcement											
34	Reinforcement @ Concrete Pad - #4 (5 LF)	LBS	3.34	10%	4	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 4.67
Form Work											
35	Form Work @ Concrete Pad	SF	14	10%	15	1.800	\$ 39.00	\$ 70.20	\$ -	\$ 70.20	\$ 1,081.08
CONCRETE @ POOL STAIR											
Concrete											
36	3'-8"W x 12" T x 7'-1/2" R @ Pool Stair (4 EA)	CY	0.17	10%	0	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 79.06
37	8" Thick x 3'-8" Wide Concrete Waist Slab (4.4 LF)	CY	0.40	10%	0	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 186.45
38	Additional Concrete (1.1 SF) @ Pool Wall (3.67 LF)	CY	0.15	10%	0	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 69.57
Gravel @ Pool Stair Base											
39	12" Thick Gravel	CY	0.95	10%	1	1.100	\$ 48.00	\$ 52.80	\$ 105.00	\$ 157.80	\$ 165.16
Reinforcement											
40	Reinforcement @ Pool Concrete Stair - #4 (80 LF)	LBS	53.44	10%	59	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 74.66
SUBTOTAL											\$ 102,285
METALS											
STEEL TUBE & RAILING											
41	1.5" Dia 316L MG Stainless Steel @ Pool Wall	LF	195	10%	215	0.021	\$ 62.00	\$ 1.30	\$ 33.00	\$ 34.30	\$ 7,357.78
42	1.5" Dia 316L MG Stainless Steel @ Pool Ramp	LF	120	10%	132	0.021	\$ 62.00	\$ 1.30	\$ 33.00	\$ 34.30	\$ 4,527.86
43	1.5" Dia 316L MG Stainless Steel @ Pool Stair	LF	18	10%	20	0.021	\$ 62.00	\$ 1.30	\$ 33.00	\$ 34.30	\$ 679.18

DETAILED BREAKDOWN OF ITEMS

Prepared for:

Project ID:

GC



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
STEEL LADDER											
44	3 Step 1.5" Dia Stainless Steel Ladder @ Pool Wall	EA	2	0%	2	0.265	\$ 62.00	\$ 16.43	\$ 151.99	\$ 168.42	\$ 336.84
STEEL HOOK											
45	Steel Hook @ Pool Wall	EA	4	0%	4	0.084	\$ 62.00	\$ 5.21	\$ 24.34	\$ 29.55	\$ 118.19
SUBTOTAL											\$ 13,020
FINISHES											
PLASTER											
46	1/2" Thick White Plaster @ Concrete Retaining Wall	SF	822	10%	904	0.024	\$ 40.00	\$ 0.96	\$ 1.75	\$ 2.71	\$ 2,450
47	1/2" Thick White Plaster @ Pool Concrete Floor	SF	1290	10%	1419	0.024	\$ 40.00	\$ 0.96	\$ 1.75	\$ 2.71	\$ 3,845
TILING											
48	Floor Tiles: Lane Tile @ Pool Floor	SF	76	10%	84	0.083	\$ 40.00	\$ 3.32	\$ 6.75	\$ 10.07	\$ 841.85
49	Tile @ Patio Deck - Type: Non-Slip Glazed Tile - Size: 6" x 6"	SF	1690	10%	1859	0.083	\$ 40.00	\$ 3.32	\$ 5.99	\$ 9.31	\$ 17,307.29
50	Tile @ Pool Ramp - Type: Accent Tile - Size: 2" x 2" Solid - Color: Body	SF	1690	10%	1859	0.083	\$ 40.00	\$ 3.32	\$ 8.99	\$ 12.31	\$ 22,884.29
51	Tile @ Pool Stair - Type: Accent Tile - Size: 2" x 2" Solid - Color: Body	SF	27	10%	30	0.083	\$ 40.00	\$ 3.32	\$ 8.99	\$ 12.31	\$ 365.61
52	Wall Tiles: Water Line Tile @ Pool Wall	SF	128	10%	140	0.131	\$ 40.00	\$ 5.24	\$ 6.75	\$ 11.99	\$ 1,682.26
53	Trim Tile: Contrast Trim Tile @ Pool Stair	LF	15	10%	16	0.085	\$ 40.00	\$ 3.40	\$ 7.69	\$ 11.09	\$ 179
54	Coping Tile: Coping @ Pool Wall - Type: Raised Bullnose - Size: 12" x 24" x 2"	LF	194	10%	213	0.045	\$ 40.00	\$ 1.80	\$ 12.00	\$ 13.80	\$ 2,945
55	14"Wide Coping @ Pool Wall - Type: SU-NO-BO - Size 12" x 24" 2"	LF	12	10%	13	0.045	\$ 40.00	\$ 1.80	\$ 12.00	\$ 13.80	\$ 182
56	14"Wide Coping @ Pool Wall - Type: SUDBN - Size 12" x 24" 2"	LF	29	10%	32	0.045	\$ 40.00	\$ 1.80	\$ 12.00	\$ 13.80	\$ 440
57	Transition Stone: Transition Stone @ Pool	LF	197	10%	217	0.078	\$ 40.00	\$ 3.12	\$ 8.00	\$ 11.12	\$ 2,410
SUBTOTAL											\$ 55,533
SPECIALTIES											
SKIMMER											
58	Automatic Surface Skimmer @ Pool	EA	5	0%	5	1.500	\$ 38.00	\$ 57.00	\$ 158.00	\$ 215.00	\$ 1,075
LANE LINE											
59	4" Anti Wave Lane Line @ Pool	LF	82	10%	90	0.012	\$ 38.00	\$ 0.46	\$ 6.48	\$ 6.94	\$ 626
SUBTOTAL											\$ 1,701
PLUMBING											
Backwash Pipe Underground											
60	Schedule 40 PVC Pipe & Fittings 2" Dia Backwash Pipe (Size assumed)	LF	43	10%	47	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 491.96
Backwash Pipe Fittings											
61	Elbow 2" Dia Backwash Pipe 90 Deg Elbow	EA	1	0%	1	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 37.71
62	2" Dia Backwash Pipe 45 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 18.45	\$ 36.96	\$ 73.92
Backwash Pipe											
63	Schedule 40 PVC Pipe & Fittings 2" Dia Backwash Pipe (Size assumed)	LF	16	10%	18	0.130	\$ 52.00	\$ 6.76	\$ 3.15	\$ 9.91	\$ 175.40
Backwash Pipe Fittings											
64	Elbow 2" Dia Backwash Pipe 90 Deg Elbow	EA	3	0%	3	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 113.14
Booster Pump Pipe											
65	Schedule 80 PVC Pipe & Fittings 2" Dia Booster Pump	LF	36	10%	39	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 410.96
Booster Pump Pipe Fittings											
66	Elbow 2" Dia Booster Pump 90 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 75.42
DHU.Exch Pipe											
67	Schedule 80 PVC Pipe & Fittings 2" Dia DHU. Exch Pipe	LF	42	10%	47	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 486.00
DHU.Exch Pipe Fittings											
68	Elbow 2" Dia DHU. Exch Pipe 90 Deg Elbow	EA	4	0%	4	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 150.85
Filtered Water Pipe											
69	Schedule 40 PVC Pipe & Fittings 2" Dia Filtered Water Pipe	LF	7	10%	8	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 83.41
Filtered Water Pipe Fittings											
70	Elbow 2" Dia Filtered Water Pipe 90 Deg Elbow	EA	1	0%	1	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 37.71
Gas Heater Influent Pipe											
71	Schedule 80 PVC Pipe & Fittings 2" Dia Gas Heater Influent Pipe	LF	11	10%	12	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 126.32
Gas Heater Influent Pipe Fittings											
72	Elbow 2" Dia Gas Heater Influent Pipe 90 Deg Elbow	EA	4	0%	4	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 150.85
Sanitary Pipe Underground											

DETAILED BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope:

GC



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
112	2" Dia TD1, Trench Drain, NDS, (56' Length), Part Number:- DTPF2-03CF24TG-LDTG05ZIA-GLSS2-SLPF-28, Square Shape, Fame Qty: 14, Grate Qty: 28.	EA	1	0%	1	0.500	\$ 52.00	\$ 26.00	\$ 160.00	\$ 186.00	\$ 186.00
113	2" Dia TD2, Trench Drain, NDS, (9'-2" Length), Part Number:- DTPF2-03CF24TG-LDTG05ZIA-GLSS2-SLPF-28, Square Shape, Fame Qty: 4, Grate Qty: 5.	EA	1	0%	1	0.500	\$ 52.00	\$ 26.00	\$ 160.00	\$ 186.00	\$ 186.00
114	2" Dia TD3, Trench Drain, NDS, (19'-5" Length), Part Number:- DTPF2-03CF24TG-LDTG05ZIA-GLSS2-SLPF-28, Square Shape, Fame Qty: 5, Grate Qty: 10.	EA	1	0%	1	0.500	\$ 52.00	\$ 26.00	\$ 160.00	\$ 186.00	\$ 186.00
115	2" Dia TD4, Trench Drain, NDS, (14'-1" Length), Part Number:- DTPF2-03CF24TG-LDTG05ZIA-GLSS2-SLPF-28, Square Shape, Fame Qty: 4, Grate Qty: 7.	EA	1	0%	1	0.500	\$ 52.00	\$ 26.00	\$ 160.00	\$ 186.00	\$ 186.00
116	2" Dia TD5, Trench Drain, NDS, (91' Length), Part Number:- DTPF2-03CF24TG-LDTG05ZIA-GLSS2-SLPF-2E, Square Shape, Fame Qty: 24, Grate Qty: 46.	EA	1	0%	1	0.500	\$ 52.00	\$ 26.00	\$ 160.00	\$ 186.00	\$ 186.00
117	4" Dia Drain, SUPERSUMP By LAWSON AQUATICS 12"x12" (365 GPM); MLD-SG-1212 (With 6" Side Part)	EA	4	0%	4	0.500	\$ 52.00	\$ 26.00	\$ 254.00	\$ 280.00	\$ 1,120.00
Plumbing Fixtures											
118	EW, emergency eye wash station, Wall Mounted	EA	1	0%	1	1.750	\$ 52.00	\$ 91.00	\$ 125.00	\$ 216.00	\$ 216.00
119	Map Sink	EA	1	0%	1	2.400	\$ 52.00	\$ 124.80	\$ 529.00	\$ 653.80	\$ 653.80
Pumps											
120	CPump1, Chemical Pump - Chlorine - ROLLIACHEM - Plug-In Pump 120V/3A	EA	1	0%	1	2.250	\$ 52.00	\$ 117.00	\$ 1,733.00	\$ 1,850.00	\$ 1,850.00
121	CPump2, Chemical Pump - Acid - STENNER - Plug-In Pump 120V/3A	EA	1	0%	1	2.250	\$ 52.00	\$ 117.00	\$ 538.00	\$ 655.00	\$ 655.00
122	Pump 1, Pool Filtration/Circulation Pump - 5 Hp WHISPERFLOXF-VS; By PENTAIR; With VFD	EA	1	0%	1	2.250	\$ 52.00	\$ 117.00	\$ 1,500.00	\$ 1,617.00	\$ 1,617.00
123	Pump 2, Heat Booster Pump - 1.5Hp SUPERFLO By PENTAIR.	EA	2	0%	2	2.250	\$ 52.00	\$ 117.00	\$ 2,450.00	\$ 2,567.00	\$ 5,134.00
124	Sump 1, Sump And Pump (By PC)	EA	1	0%	1	2.250	\$ 52.00	\$ 117.00	\$ 1,696.00	\$ 1,813.00	\$ 1,813.00
Tanks											
125	15 Gallon MURATIC Acid Carboy Tank, 14" Dia x 27" H (Provide By Owner)	EA	2	0%	2	1.250	\$ 52.00	\$ 65.00	\$ 57.00	\$ 122.00	\$ 244.00
126	50 Gallon Chlorine Storage VAT On Containment Pallet (2505 By ULTRATECH)	EA	1	0%	1	1.250	\$ 52.00	\$ 65.00	\$ 165.95	\$ 230.95	\$ 230.95
Misc.											
127	2" Dia Ball Valve	EA	5	0%	5	0.450	\$ 52.00	\$ 23.40	\$ 76.60	\$ 100.00	\$ 500.00
128	3" Dia Butterfly Valve	EA	5	0%	5	0.450	\$ 52.00	\$ 23.40	\$ 199.65	\$ 223.05	\$ 1,115.25
129	4" Dia Butterfly Valve	EA	2	0%	2	0.450	\$ 52.00	\$ 23.40	\$ 201.43	\$ 224.83	\$ 449.66
130	4" Dia Butterfly Valve (Size assumed)	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 201.43	\$ 224.83	\$ 224.83
131	2" Dia 3-Way Valve	EA	3	0%	3	0.910	\$ 52.00	\$ 47.32	\$ 62.68	\$ 110.00	\$ 330.00
132	4" Dia Check Valve (Size assumed)	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 201.02	\$ 224.42	\$ 224.42
133	2" Dia Check Valve	EA	3	0%	3	0.450	\$ 52.00	\$ 23.40	\$ 198.00	\$ 221.40	\$ 664.20
134	2" Dia Butterfly Valve	EA	4	0%	4	0.450	\$ 52.00	\$ 23.40	\$ 189.00	\$ 212.40	\$ 849.60
135	2" Dia Return Valves (Size assumed)	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 21.99	\$ 45.39	\$ 45.39
136	2" Dia Suction Valves (Size assumed)	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 96.66	\$ 120.06	\$ 120.06
137	Fill Valve, For Rim Spout - 1.5"	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 87.70	\$ 111.10	\$ 111.10
138	2" Dia Pipe Cap	EA	1	0%	1	0.024	\$ 52.00	\$ 1.25	\$ 3.67	\$ 4.92	\$ 4.92
139	3/4" Dia Hose Bibb With Atmospheric Breaker W/ Wall Mounted Hose Rack (By PC)	EA	1	0%	1	0.350	\$ 52.00	\$ 18.20	\$ 18.70	\$ 36.90	\$ 36.90
140	AOP Sanitizer, With Manifold Injection, 20Watts; 240V 0.75A	EA	1	0%	1	0.510	\$ 52.00	\$ 26.52	\$ 2,075.00	\$ 2,101.52	\$ 2,101.52
141	Return, Filtered Water Returns-3501 Flush Mount Return With Water stop For 2" Pipe By Aqua star	EA	13	0%	13	0.400	\$ 52.00	\$ 20.80	\$ 390.89	\$ 411.69	\$ 5,351.97
142	2" Dia RPZ, Reduced Pressure Backflow Preventer (Size assumed)	EA	1	0%	1	1.750	\$ 52.00	\$ 91.00	\$ 937.00	\$ 1,028.00	\$ 1,028.00
143	Salt, Salt Chlorine Generators - Commercial Array - With Wall Mounted Power Supplies; COMSYS-8 By PENTAIR, 208-260V; 220W Per Cell	EA	1	0%	1	0.850	\$ 52.00	\$ 44.20	\$ 1,549.00	\$ 1,593.20	\$ 1,593.20
144	SAN, Air Compressor For Secondary Sanitizer, 240V, 60Hz, 0.9A	EA	1	0%	1	2.500	\$ 52.00	\$ 130.00	\$ 388.00	\$ 518.00	\$ 518.00
145	'	EA	1	0%	1	2.150	\$ 52.00	\$ 111.80	\$ 295.00	\$ 406.80	\$ 406.80
146	TR-100C-3 Filter, 3" Hubs; With 4 Valve System And Supported Face Piping	EA	2	0%	2	0.420	\$ 52.00	\$ 21.84	\$ 1,385.00	\$ 1,406.84	\$ 2,813.68
147	VAC, Pool Vacuum Port, Equipped With Self Closing Cap Per APSP-7, 1.5" Dia	EA	2	0%	2	1.500	\$ 52.00	\$ 78.00	\$ 268.00	\$ 346.00	\$ 692.00
148	Eagle 24 Gallon HDPE M24CRA - With 2" Vents	EA	1	0%	1	0.350	\$ 52.00	\$ 18.20	\$ 1,471.00	\$ 1,489.20	\$ 1,489.20
149	Backwash Stand Pipe	EA	1	0%	1	0.350	\$ 52.00	\$ 18.20	\$ 26.99	\$ 45.19	\$ 45.19
150	Sump Pit, (By Others)	EA	1	0%	1	1.350	\$ 52.00	\$ 70.20	\$ 375.00	\$ 445.20	\$ 445.20
151	Pool Fill Spout 1.5 Stainless	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 231.72	\$ 255.12	\$ 255.12
152	Pressure Gauge	EA	2	0%	2	0.180	\$ 52.00	\$ 9.36	\$ 15.67	\$ 25.04	\$ 50.08
153	Suction Manifold	EA	1	0%	1	0.350	\$ 52.00	\$ 18.20	\$ 70.39	\$ 88.59	\$ 88.59
154	Thermometer	EA	3	0%	3	0.250	\$ 52.00	\$ 13.00	\$ 189.00	\$ 202.00	\$ 606.00
155	Flow Switch	EA	1	0%	1	0.200	\$ 52.00	\$ 10.40	\$ 195.00	\$ 205.40	\$ 205.40
Hot Water Heater											
156	Gas Heater, POOL BOILER- APN400 By LOCHINVAR, With Titanium Plate And Frame Hex, Condensate Neutralizing Kit; Direct Air Inlet And Exhaust,400K Btu/h Natural Gas, 120/240V	EA	1	0%	1	2.840	\$ 52.00	\$ 147.68	\$ 2,199.00	\$ 2,346.68	\$ 2,346.68
PVC Couplings											
157	2" Dia Coupling	EA	58	0%	58	0.539	\$ 52.00	\$ 28.03	\$ 19.11	\$ 47.14	\$ 2,734.00
158	3" Dia Coupling	EA	33	0%	33	0.539	\$ 52.00	\$ 28.03	\$ 24.55	\$ 52.58	\$ 1,735.07
159	4" Dia Coupling	EA	12	0%	12	0.539	\$ 52.00	\$ 28.03	\$ 36.18	\$ 64.21	\$ 770.50
Trunking & Backfilling											

DETAILED BREAKDOWN OF ITEMS											
Prepared for: Project ID: Scope: GC  NEDES Natural Estimating, Scheduling & Engineering Services Date:											
SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
160	Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	CFT	2820	0%	2820	0.040	\$ 52.00	\$ 2.08	\$ -	\$ 2.08	\$ 5,865.60
SUBTOTAL \$											67,466
ELECTRICAL											
Distribution											
	Disconnect Switch										
161	2P/30A Disconnect Switch (Rating Assumed)	EA	1	0%	1	0.543	\$ 60.00	\$ 32.58	\$ 40.56	\$ 73.14	\$ 73.14
	Grounding										
162	#8 Bare Copper	LF	50	10%	55	0.018	\$ 60.00	\$ 1.08	\$ 0.61	\$ 1.69	\$ 92.90
Power											
	Conduit										
163	3/4" RGS Conduit	LF	222	10%	244	0.034	\$ 60.00	\$ 2.04	\$ 2.52	\$ 4.56	\$ 1,113.55
	Conductor										
164	2#16 TSP Cable (Assumed Length)	LF	30	10%	33	0.015	\$ 60.00	\$ 0.90	\$ 1.45	\$ 2.35	\$ 77.55
165	2#18 TSP Cable (Assumed Length)	LF	30	10%	33	0.015	\$ 60.00	\$ 0.90	\$ 1.42	\$ 2.32	\$ 76.56
166	CAT5 Cable	LF	52	10%	57	0.019	\$ 60.00	\$ 1.14	\$ 1.02	\$ 2.16	\$ 123.08
167	#12 CU THHN/THWN	LF	34	10%	38	0.015	\$ 60.00	\$ 0.90	\$ 0.23	\$ 1.13	\$ 42.73
168	#10 CU THHN/THWN	LF	633	10%	696	0.015	\$ 60.00	\$ 0.90	\$ 0.35	\$ 1.25	\$ 868.31
	Device										
169	ADA Lift Socket (Installation Only)	EA	1	0%	1	0.300	\$ 60.00	\$ 18.00	\$ -	\$ 18.00	\$ 18.00
170	Automatic Filling Controller For Pool And Spa, Leveler K-1100 Or Equal, Sensor In Static Water Line In EQ Room, Solenoid On Bypass Line At Manual Fill Valve With Air Gape At Rim Spout	EA	1	0%	1	0.650	\$ 60.00	\$ 39.00	\$ 195.00	\$ 234.00	\$ 234.00
171	Buck Booster Transformer	EA	2	0%	2	1.350	\$ 60.00	\$ 81.00	\$ 346.26	\$ 427.26	\$ 854.52
172	Chemistry Controller, CAT-3500 For Salt Water Pool And Spa	EA	1	0%	1	2.300	\$ 60.00	\$ 138.00	\$ 1,889.00	\$ 2,027.00	\$ 2,027.00
173	Controller & Sub Panel	EA	1	0%	1	1.850	\$ 60.00	\$ 111.00	\$ 1,287.00	\$ 1,398.00	\$ 1,398.00
174	Duplex Receptacle, GFCI With Outdoor/Wet Location Cover	EA	6	0%	6	0.300	\$ 60.00	\$ 18.00	\$ 25.50	\$ 43.50	\$ 261.00
175	E-Stop Button	EA	1	0%	1	0.300	\$ 60.00	\$ 18.00	\$ 39.34	\$ 57.34	\$ 57.34
176	ORP Sensor	EA	1	0%	1	0.425	\$ 60.00	\$ 25.50	\$ 53.85	\$ 79.35	\$ 79.35
177	Pentair Water Automatic Load Center	EA	1	0%	1	0.385	\$ 60.00	\$ 23.10	\$ 1,187.00	\$ 1,210.10	\$ 1,210.10
178	PH Sensor	EA	1	0%	1	0.250	\$ 60.00	\$ 15.00	\$ 36.99	\$ 51.99	\$ 51.99
179	Pool Controller, Intel touch Power Center By Pentair Connect To Circulation Pumps And Allows For Control Of Subordinates Circuit And Devices Based On Main Pump Activation	EA	1	0%	1	1.250	\$ 60.00	\$ 75.00	\$ 1,049.25	\$ 1,124.25	\$ 1,124.25
180	Replaceable Sacrificial Anodes	EA	2	0%	2	0.285	\$ 60.00	\$ 17.10	\$ 38.00	\$ 55.10	\$ 110.20
181	Water Quality Controller	EA	1	0%	1	0.450	\$ 60.00	\$ 27.00	\$ 459.00	\$ 486.00	\$ 486.00
Lighting											
	Conduit										
182	3/4" PVC SCH 40 Conduit	LF	225	10%	248	0.034	\$ 60.00	\$ 2.04	\$ 0.37	\$ 2.41	\$ 597.77
	Conductor										
183	#10 CU THHN/THWN	LF	676	10%	744	0.015	\$ 60.00	\$ 0.90	\$ 0.35	\$ 1.25	\$ 930.15
	Lighting Fixtures										
184	Hardwired Wall Clock	EA	1	0%	1	0.034	\$ 60.00	\$ 2.04	\$ 37.36	\$ 39.40	\$ 39.40
185	Intellibrite 5G LED Lights 120V Version, Junction Boxes To Be Provided Loose By Pool Contractor	EA	4	0%	4	0.547	\$ 60.00	\$ 32.82	\$ 589.00	\$ 621.82	\$ 2,487.28
	Lighting Control						\$ 60.00				
186	Under Water Light Junction Box And Switch Controller	EA	1	0%	1	0.398	\$ 60.00	\$ 23.88	\$ 64.31	\$ 88.19	\$ 88.19
Miscellaneous											
187	Under Water Light Junction Box	EA	2	0%	2	0.398	\$ 60.00	\$ 23.88	\$ 53.45	\$ 77.33	\$ 154.66
Saw Cut											
188	Saw Cut & Repair Concrete Floor For Conduit Installation	LF	225	0%	225	0.045	\$ 60.00	\$ 5.50	\$ -	\$ 5.50	\$ 1,237.50
SUBTOTAL \$											15,915
OVERHEAD AND PROFIT									PROJECTED COST	\$ 286,919.18	
Tax									0.15	0.15	\$43,038
INSURANCE									0.06	0.06	\$8,454
CONTINGENCY									0.03	0.03	\$8,608
SUGGESTED BID									0.05	0.05	\$14,346
Note: 1. Please verify the equipment's and their prices with owner. 2. Online sources are used for pricing. 3. Prices can vary depending upon field conditions.											

The information contained in this transmission and any attachments are for the sole use of the intended recipient(s) and may be confidential, privileged, copyrighted or may constitute intellectual property. Any unauthorized review, use, disclosure or distribution of this transmission and any attachments is strictly prohibited. If you have received this transmission in error, please contact the sender and destroy all paper and/or electronic copies of this transmission. Information contained in this email is not authorized to be forwarded to others or duplicated without direct consent of the sender. Information contained in any attachment is not intended to be used in any manner or altered without the expressed written permission of NEDES LLC.