

ESTIMATE FOR : PROPOSED ELEMENTERY, JUNIOR & SENIOR HIGH SCHOOL**OWNER: HELP LIBERIA FOUNDATION COMMUNITY SCHOOL****LOCATION : BASSA COMMUNITY, BUCHANAN CITY, GRAND BASSA COUNTY, LIBERIA****ESTIMATOR: ALEXANDER P.B. YEAHER JR.****DATE: OCTOBER 2020**B+G BUILDERS & ENGINEERS, INC.
OFFICE: 1001 10th St, Monrovia, Liberia

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT USD
1.00	PRELIMINARY				
1.01	Mobilization/Well Digging/Warehouse	L/S	1	\$ 2,000.00	\$ 2,000.00
2.00	PROFILE LAYOUT				
2.01	Ditto Round Pole	pcs	42	\$ 1.00	\$ 42.00
2.02	Ditto 1" x 3" x 14' Wawa	pcs	57	\$ 1.50	\$ 85.50
2.03	Ditto Wire Nails (3" & 4")	ctn	1	\$ 25.00	\$ 25.00
2.04	Ditto Builder Line	Roll	20	\$ 1.00	\$ 20.00
	Sub-Total				\$ 2,172.50
3.00	FOUNDATION				
3.01	Excavate Surface Trench	cy	122.22	\$ 0.50	\$ 61.11
3.02	Supply and Install Cement	bgs	156	\$ 8.00	\$ 1,248.00
3.03	Ditto Fine Aggergate (Sand)	cy	38.96	\$ 20.00	\$ 779.20
3.04	Ditto Coarse Aggregate (1/2 crush rock)	cy	19.88	\$ 40.00	\$ 795.20
3.05	Ditto 8" Sand Crete Block Wall	pcs	4763	\$ 1.00	\$ 4,763.00
3.06	Ditto 5/8" Ø Steel Rod (Column & Tie Beam)	pcs	109	\$ 13.00	\$ 1,417.00
3.07	Ditto 3/8" Ø Steel Rod (Column & Tie Beam)	pcs	78	\$ 5.00	\$ 390.00
3.08	Ditto Tie Wire	rlls	8	\$ 5.00	\$ 40.00
3.09	Ditto 1" x 12" x 14' Wawa	pcs	67	\$ 5.00	\$ 335.00
3.10	Ditto 1" x 6" x 14' Wawa	pcs	35	\$ 2.50	\$ 87.50
3.11	Ditto Round Pole	pcs	32	\$ 1.00	\$ 32.00
3.12	Ditto Wire Nails	ctn	6	\$ 25.00	\$ 150.00
3.13	Backfilled	cy	105	\$ 2.00	\$ 210.00
3.14	Ditto Fine Aggregate (Sand Fill)	cy	277.29	\$ 2.00	\$ 554.58
	Sub-Total				\$ 15,035.09
	Total Material Cost			\$	17,207.59
	Labour Cost			\$	2,581.14
	Transportation			\$	516.23
	Foundation Total Cost			\$	20,304.96

4.00	Rough Floor Casting				
4.01	Supply and Install Cement	bgs	178	\$ 8.00	\$ 1,424.00
4.02	Ditto Fine Aggregate (Sand)	cy	28.96	\$ 20.00	\$ 579.20
4.03	Ditto Coarse Aggregate (1/2"Crush Rock)	cy	40.34	\$ 40.00	\$ 1,613.60
4.04	Ditto 1" x 12" x 14' Wawa	pcs	18	\$ 5.00	\$ 90.00
4.05	Ditto Round Pole	pcs	20	\$ 1.00	\$ 20.00
4.06	Ditto Wire Nails	ctn	3	\$ 25.00	\$ 75.00
4.07	Ditto 4" PVC pipe	no	6	\$ 12.00	\$ 72.00
4.08	Ditto 2" PVC pipe	no	6	\$ 8.00	\$ 48.00
4.09	Ditto 4" PVC Tee	no	6	\$ 4.00	\$ 24.00
4.10	Ditto 2" PVC Tee	no	4	\$ 2.00	\$ 8.00

4.11	Ditto 4" x 2" PVC Reducer	no	6	\$	4.00	\$	24.00
4.12	Ditto 4" PVC Wye	no	2	\$	4.00	\$	8.00
4.13	Ditto 4" x 90 Elbow	no	8	\$	4.00	\$	32.00
4.14	Ditto 4" x 45 Elbow	no	8	\$	4.00	\$	32.00
4.15	Ditto 2" x 90 Elbow	no	8	\$	2.00	\$	16.00
4.16	Ditto PVC Glue	no	2	\$	10.00	\$	20.00
4.17	Ditto PVC Cleaner	no	2	\$	10.00	\$	20.00
	Sub-Total					\$	4,105.80
	Total Material Cost			\$			4,105.80
	Labour Cost			\$			821.16
	Transportation			\$			205.29
	Rough Floor Casting Total Cost			\$			5,132.25

5.00	Ground Floor Super structure (Elevation)						
5.01	Supply and Install Cement	bgs	119	\$	8.00	\$	952.00
5.02	Ditto Fine Aggregate (Sand)	cy	17.42	\$	20.00	\$	348.40
5.03	Ditto Coarse Aggregate (1/2" Crush Rock)	cy	9.47	\$	40.00	\$	378.80
5.04	Ditto 6" Sand Crete Block wall	pcs	5345	\$	0.65	\$	3,474.25
5.05	Ditto 5/8" Ø Steel Rod	pcs	173	\$	13.00	\$	2,249.00
5.06	Ditto 3/8" Ø Steel Rod	pcs	53	\$	5.00	\$	265.00
5.07	Ditto Tie Wire	rlls	14	\$	5.00	\$	70.00
5.08	Ditto 1" x 12" x 14' Wawa	pcs	58	\$	5.00	\$	290.00
5.09	Ditto 1" x 6" x 14' Wawa	pcs	10	\$	2.50	\$	25.00
5.10	Ditto Round Pole	pcs	121	\$	1.00	\$	121.00
5.11	Ditto Assorted Wire Nails	ctn	8	\$	25.00	\$	200.00
	Sub-Total					\$	8,373.45

6.00	Plastering						
6.1	Supply and Install Cement	bgs	110	\$	8.00	\$	880.00
6.2	Ditto Fine Aggregate	cy	8.78	\$	20.00	\$	175.60
6.3	Ditto Scaffold	L/S	1	\$	100.00	\$	100.00
	Sub-Total					\$	1,155.60
	Total Material Cost			\$			9,529.05
	Labour Cost			\$			1,905.81
	Transportation			\$			476.45
	Super Structure(Elevation) & Plastering Total Cost			\$			11,911.31

7.00	1st Floor Reinforce Concrete Slab (6" Thick) and Stairs Case						
7.01	Supply and Install Cement	bgs	317	\$	8.00	\$	2,536.00
7.02	Ditto Fine Aggregates (Sand)	cy	28.24	\$	20.00	\$	564.80
7.03	Ditto Coarse Aggregates (1/2" Crush Rock)	cy	57.2	\$	40.00	\$	2,288.00
7.04	Ditto 1/2" Steel Rod	pcs	1136	\$	6.00	\$	6,816.00
7.05	Ditto Tie Wire	roll	47	\$	5.00	\$	235.00
7.06	Ditto Wawa 1" x 12" x 14'-0"	pcs	279	\$	5.00	\$	1,395.00
7.07	Ditto 2" x 4" x 14'-0" for braces & Form Work	pcs	86	\$	4.00	\$	344.00
7.08	Ditto Plywood	pcs	10	\$	5.00	\$	50.00
7.09	Ditto Round Poles	pcs	258	\$	1.00	\$	258.00
7.10	Ditto Assorted Wire Nails	ctn	15	\$	25.00	\$	375.00
	Sub-Total					\$	14,861.80

	Total Material Cost			\$	14,861.80
	Labour Cost			\$	2,972.36
	Transportation			\$	445.85
	1st Floor Reinforce Concrete Slab (6" Thick) and Stairs Case			\$	18,280.01
8.00	1st Floor Super structure				
8.01	Supply and Install Cement	bgs	98	\$ 8.00	\$ 784.00
8.02	Ditto Fine Aggregate (Sand)	cy	19.42	\$ 20.00	\$ 388.40
8.03	Ditto Coarse Aggregate (1/2" Crush Rock)	cy	9.47	\$ 40.00	\$ 378.80
8.04	Ditto 6" Sand Crete Block wall	pcs	5410	\$ 0.65	\$ 3,516.50
8.05	Ditto 5/8" Ø Steel Rod	pcs	123	\$ 13.00	\$ 1,599.00
8.06	Ditto 3/8" Ø Steel Rod	pcs	61	\$ 5.00	\$ 305.00
8.07	Ditto Tie Wire	rlls	18	\$ 5.00	\$ 90.00
8.08	Ditto 1" x 12" x 14' Wawa	pcs	58	\$ 5.00	\$ 290.00
8.09	Ditto 1" x 6" x 14' Wawa	pcs	10	\$ 2.50	\$ 25.00
8.10	Ditto Round Pole	pcs	121	\$ 1.00	\$ 121.00
8.11	Ditto Assorted Wire Nails	ctn	16	\$ 25.00	\$ 400.00
	Sub-Total				\$ 7,897.70
9.0	Plastering				
9.1	Supply and Install Cement	bgs	109	\$ 8.00	\$ 872.00
9.2	Ditto Fine Aggregate	cy	8.33	\$ 20.00	\$ 166.60
9.3	Ditto Scaffold	7	1	\$ 100.00	\$ 100.00
	Sub-Total				\$ 1,138.60
	Total Material Cost			\$	9,036.30
	Labour Cost			\$	1,807.26
	Transportation			\$	271.09
	1st Floor Super Structure(Elevation) & Plastering Total Cost			\$	11,114.65

10.00	2nd Floor Reinforce Concrete Slab (6" Thick) and Stairs Case				
10.01	Supply and Install Cement	bgs	78	\$8.00	\$624.00
10.02	Ditto Fine Aggregates (Sand)	cy	14.54	\$20.00	\$290.80
10.03	Ditto Coarse Aggregates (1/2" Crush Rock)	cy	14.73	\$40.00	\$589.20
10.04	Ditto 1/2" Steel Rod	pcs	187	\$6.00	\$1,122.00
10.05	Ditto Tie Wire	roll	6	\$5.00	\$30.00
10.06	Ditto Wawa 1" x 12" x 14'-0"	pcs	65	\$5.00	\$325.00
10.07	Ditto 2" x 4" x 14'-0" for braces & Form Work	pcs	22	\$4.00	\$88.00
10.08	Ditto Plywood	pcs	5	\$10.00	\$50.00
10.09	Ditto Round Poles	pcs	60	\$1.00	\$60.00
10.10	Ditto Assorted Wire Nails	ctn	3	\$25.00	\$75.00
	Sub-Total				\$ 3,254.00
	Total Material Cost			\$	3,254.00
	Labour Cost			\$	813.50
	Transportation			\$	162.70
	2nd Floor Reinforce Concrete Slab (6" Thick) and Stairs Case			\$	4,230.20
11.00	Last or 2nd Floor Super structure				
11.01	Supply and Install Cement	bgs	74	\$ 8.00	\$ 592.00
11.02	Ditto Fine Aggregate (Sand)	cy	7.78	\$ 20.00	\$ 155.60
11.03	Ditto Coarse Aggregate (1/2" Crush Rock)	cy	9.57	\$ 40.00	\$ 382.80

11.04	Ditto 6" Sand Crete Block wall	pcs	1779	\$ 0.65	\$ 1,156.35
11.05	Ditto 5/8" Ø Steel Rod	pcs	16	\$ 13.00	\$ 208.00
11.06	Ditto 3/8" Ø Steel Rod	pcs	8	\$ 5.00	\$ 40.00
11.07	Ditto Tie Wire	rlls	3	\$ 5.00	\$ 15.00
11.08	Ditto 1" x 12" x 14' Wawa	pcs	12	\$ 5.00	\$ 60.00
11.09	Ditto 1" x 6" x 14' Wawa	pcs	7	\$ 2.50	\$ 17.50
11.10	Ditto Round Pole	pcs	17	\$ 1.00	\$ 17.00
11.11	Ditto Assorted Wire Nails	ctn	2	\$ 25.00	\$ 50.00
	Sub-Total				\$ 2,694.25
12.0	Plastering				
12.1	Supply and Install Cement	bgs	14	\$ 8.00	\$ 112.00
12.2	Ditto Fine Aggregate	cy	3.89	\$ 20.00	\$ 77.80
12.3	Ditto Scaffold	L/S	1	\$ 100.00	\$ 100.00
	Sub-Total				\$ 289.80
	Total Material Cost			\$ 2,984.05	
	Labour Cost			\$ 746.01	
	Transportation			\$ 89.52	
	Last or 2nd Floor Super Structure & Plastering			\$ 3,819.58	

13.00	ROOFING WORK				
13.01	Supply and Install Long Spam Roofing Sheet	bdl	16	\$150.00	\$2,400.00
13.02	Ditto 2" x 6" x 14'-0" as Ridgeboard, wallplates and Kingpost	pcs	52	\$6.50	\$338.00
13.03	Ditto 2" x 4" x 14'-0" Rafter, Web member, Braces and form work	pcs	301	\$4.50	\$1,354.50
13.04	Ditto 2" x 2" x 14'-0" Purlin and Form Work	pcs	301	\$2.50	\$752.50
13.05	Ditto 1" x 10" x 14'-0" Fascia Board	pcs	21	\$5.00	\$105.00
13.06	Ditto Roofing felt	rlls	2	\$25.00	\$50.00
13.07	Ditto Aluminium Combing	pcs	28	\$6.00	\$168.00
13.08	Ditto Carboline	gllns	5	\$5.00	\$25.00
13.09	Ditto Zinc Nails	box	8	\$5.00	\$40.00
13.10	Ditto Zinc Nail Washer	pcs	500	\$0.08	\$40.00
	Ditto Assorted Wire Nails	ctn	8	\$25.00	\$200.00
	Sub-Total				\$ 5,473.00
	Total Material Cost			\$ 5,473.00	
	Labour Cost			\$ 2,189.20	
	Transportation			\$ 164.19	
	Roofing Work			\$ 7,826.39	
14.00	Windows				
14.01	Ditto 72" x 60"Aluminun Sliding Glass Window	pcs	56	\$ 150.00	\$ 8,400.00
14.02	Ditto 48" x 48"Aluminun Sliding Glass Window	pcs	6	\$ 80.00	\$ 480.00
14.03	Ditto 24" x 24"Aluminun Sliding Glass Window	pcs	10	\$ 60.00	\$ 600.00
	Sub-Total				\$ 9,480.00
15.00	Doors				
15.01	Ditto 36" x 84" Steel Door	pcs	1	\$ 150.00	\$ 150.00
15.02	Ditto 36" x 84" Panel Door	pcs	32	\$ 125.00	\$ 4,000.00
15.03	Ditto 32"x 84" Ply wood Door	pcs	15	\$ 85.00	\$ 1,275.00

	Sub-Total				\$ 5,425.00
	Total Material Cost			\$	14,905.00
	Labour Cost			\$	1,490.50
	Transportation			\$	298.10
	Windows & Doors Total Cost			\$	16,693.60

16.00	PLUMBING WORKS				
16.01	Ditto Commode	No.	16	\$ 75.00	\$ 1,200.00
16.02	Ditto Bath Tub	No.	1	\$ 150.00	\$ 150.00
16.03	Ditto Face Basin	No.	6	\$ 75.00	\$ 450.00
16.04	Ditto Kitchen Sink	No.	1	\$ 125.00	\$ 125.00
16.05	Ditto Wall Mounted Mirror	No.	6	\$ 10.00	\$ 60.00
16.06	Allow for Manhole	L/S	3	\$ 50.00	\$ 150.00
16.07	Ditto 4" PVC pipe	No.	20	\$ 14.00	\$ 280.00
16.08	Ditto 2" PVC pipe	No.	16	\$ 10.00	\$ 160.00
16.09	Ditto 4" PVC Tee	No.	14	\$ 4.00	\$ 56.00
16.10	Ditto 4"x2" PVC Reducer	No.	10	\$ 4.00	\$ 40.00
16.11	Ditto 4"x90 Elbow	No.	7	\$ 4.00	\$ 28.00
16.12	Ditto 2"x90 Elbow	No.	7	\$ 2.00	\$ 14.00
16.13	Ditto PVC Glue	No.	4	\$ 10.00	\$ 40.00
16.14	Ditto PVC Cleaner	No.	4	\$ 10.00	\$ 40.00
	Sub-Total				\$ 2,793.00

17.00	ELECTRICAL				
17.01	Supply and Install 32-Breaker Panel Box	No.	1	\$ 300.00	\$ 300.00
17.02	Ditto No. 10 AWG Wire	No.	12	\$ 65.00	\$ 780.00
17.03	Ditto No. 12 AWG Wire	No.	4	\$ 75.00	\$ 300.00
17.04	Ditto No. 8 AWG Wire	No.	1	\$ 85.00	\$ 85.00
17.05	Ditto Junction Cups	No.	25	\$ 5.00	\$ 125.00
17.06	Ditto Utility Cups	No.	181	\$ 5.00	\$ 905.00
17.07	Ditto 1" Ø Pipes	No.	250	\$ 3.00	\$ 750.00
17.08	Ditto Energy Saving Light	No.	112	\$ 5.00	\$ 560.00
17.09	Ditto Single Pole Switch	No.	30	\$ 3.50	\$ 105.00
17.10	Ditto Double Pole Switch	No.	2	\$ 5.00	\$ 10.00
17.11	Ditto Receptacles	No.	39	\$ 4.50	\$ 175.50
17.12	Ditto Sockets	No.	112	\$ 2.50	\$ 280.00
17.13	Ditto Electrical Tapes	No.	20	\$ 2.00	\$ 40.00
	Sub - Total				\$ 4,415.50
	Total Material Cost			\$	7,208.50
	Labour Cost			\$	2,883.40
	Transportation			\$	360.43
	Plumbing & Electrical Work Total Cost			\$	10,452.33

18.00	Painting				
18.01	Supply and Install Emulsion Paint	glln	90	\$ 5.00	\$ 450.00
18.02	Supply and Install Enamel Paint (oil Paint)	glln	110	\$ 12.00	\$ 1,320.00
18.04	Ditto Varnish for Doors	glln	80	\$ 10.00	\$ 800.00
18.05	Ditto Tinner	glln	14	\$ 14.00	\$ 196.00
18.06	Ditto Paint Brush	pcs	10	\$ 3.00	\$ 30.00
18.07	Ditto Painting Roller	pcs	10	\$ 5.00	\$ 50.00

	Sub-Total				\$ 2,846.00
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19.00	TILE WORKS				
19.01	Supply and Install Cement	bgs	75	\$ 7.50	\$ 562.50
19.02	Ditto Fine Aggregates (Sand)	cy	46.89	\$ 20.00	\$ 937.80
19.03	Ditto Ceramic Floor Tile (12" x 12")	ctn	20	\$ 15.00	\$ 300.00
19.04	Ditto Ceramic Floor Tile (24"x 24")	ctn	58	\$ 18.00	\$ 1,044.00
19.05	Ditto Ceramic Floor Tile (16"x 16")	ctn	96	\$ 12.00	\$ 1,152.00
19.06	Ditto Ceramic Wall Tiles (8" x 12")	ctn	20	\$ 12.00	\$ 240.00
19.07	Ditto Tile Cutter	pcs	1	\$ 150.00	\$ 150.00
19.08	Ditto White Cement	bgs	8	\$ 10.00	\$ 80.00
	Sub - Total				\$ 4,466.30
	Total Material Cost			\$	7,312.30
	Labour Cost			\$	2,924.92
	Transportation			\$	365.62
	Painting & Tile Work Total Cost			\$	10,602.84
	Total Material Cost			\$	95,877.39
	Labour Cost			\$	23,373.30
	Transportation			\$	3,355.46
	Overall Grand Total Cost			\$	122,606.15