

Proposal No.02

Coastal Zone

Tanzania

Subject	Children's Houses
Design	Joyce Said
Geography	Coastal Zone
Classes	2
Students	max. 80



DESIGN STATEMENT

LITTLE DREAMERS HOUSE FOR COASTAL REGIONS

Little Dreamers House is the proposed Kindergarten school for the children with the age of 3-6 years. The school is designed to accommodate a total of 80 students with a total number of 10 staffs. The design has considered the Coastal zone climate and material availability to reduce the construction cost. The chosen Swahili coastal architecture blends perfectly with the philosophy of Montessori education.

This design proposal enables a great diversity of spatial configuration due to limited number of structural Elements. The open plan adaption of coastal Swahili architecture, with its typical courtyard system, meets with the educational approach and the enhancing characteristic of modern Montessori Architecture. The design allows a variety of facade finishes inspired from traditional techniques and locally available materials in any subregion within the coastal zone.

COST CALCULATION

**PROPOSED LITTLE DREAMERS HOUSE DESIGN FOR THE
COASTAL REGIONS**

PROJECT COST SUMMARY

S/N	ITEM	UNIT	QTY	RATE	AMOUNT (Tshs.)
	Material List				
1	100m tape measure	Nr	1	85,000	85,000.00
2	12mm thick KNAUF gypsum board	Pcs	87	25,000	2,164,247.47
3	2" x 4" x 3.6m long softwood timber	Pcs	511	4,500	2,300,631.09
4	2" x 6" x 3.6m long treated softwood timber	Pcs	132	7,000	926,203.70
5	300 x 200 x 8mm tiling to walls (16Pcs/Box)	Box	51	10,000	510,080.95
6	450 x 230 x 150mm concrete blocks	Pcs	1506	1,100	1,656,111.60
7	50 x 50mm softwood timber	Pcs	16	3,500	54,506.67
8	5mm thick clear glass panes	m ²	6	30,000	168,454.29
9	Aggregate	m ³	59	90,000	5,275,438.37
10	Aluminium roofing sheets IT5 28 Gauge	m	291	15,000	4,363,122.89
11	Binding wire	Roll	8	70,000	560,000.00
12	Bituminous Paint (4L/Tin)	Tin	3	45,000	135,000.00
13	Cement	Bag	734	16,000	11,744,810.53
14	Claw hammer	Nr	5	15,000	75,000.00
15	Emulsion Paint (20L/Bkt)	Bkt	3	40,000	115,071.37
16	Fabric reinforcement (A252)	Roll	83	60,000	4,972,979.17
17	Flush door 820 x 2360mm high	Nr	7	154,816	1,083,712.00
18	Gammalin 20EC solution	Ltr	27	15,000	406,270.26
19	Gypsum Powder (25Kg/Bag)	Bag	17	15,000	248,601.09
20	Hardcore (Stones)	m ³	39	40,000	1,567,741.68
21	Hydraform bricks	Pcs	13532	250	3,383,096.37
22	Lime (25Kg)	Bag	5	15,000	75,000.00
23	Louvred folding door 3770 x 2360mm high	Nr	2	711,776	1,423,552.00
24	Louvred timber window 1200 x 1200mm high	Nr	2	144,000	288,000.00
25	Louvred timber window 600 x 1200mm high	Nr	8	72,000	576,000.00
26	Louvred timber window 700 x 1800mm high	Nr	10	126,000	1,260,000.00
27	Marine Board	Pcs	62	52,000	3,223,114.47
28	Mninga hardwood 2" x 6" x 8ft	Pcs	59	60,000	3,548,990.48
29	Nails (Various Sizes)	Kg	125	3,500	437,538.43
30	Oil Paint (4L/Tin)	Tin	1	45,000	45,000.00
31	Pickaxes	Nr	7	20,000	140,000.00
32	Polythene sheet DPM	Roll	3	110,000	334,782.11
33	Props	Pcs	468	4,000	1,872,553.33

COST CALCULATION

S/N	ITEM	UNIT	QTY	RATE	AMOUNT (Tshs.)
34	PVC glue (1L/Tin)	Tin	2	15,000	30,000.00
35	Roofing felt	Roll	1.0	85,000	85,000.00
36	Roofing nails	Bag	1	90,000	90,000.00
37	Roofing nails coloured caps (0.9kg/Pkt)	Pkt	2	7,000	14,000.00
38	Roofing nails rubber	Pcs	100	4,500	450,000.00
39	Ropes	Bundle	2	20,000	40,000.00
40	Rubber door stop	Pcs	9	9,000	81,000.00
41	Sand	m ³	105	14,000	1,463,608.79
42	Saw	Nr	5	15,000	75,000.00
43	Shovel	Nr	7	20,000	140,000.00
44	Spacers (100Pcs/Pkt)	Pkt	15	2,000	30,000.00
45	Spirit level	Nr	1	30,000	30,000.00
46	Steel bars (Various sizes) Provisional	Tonnes	3	2,800,000	8,893,116.40
47	Tile glue R- 80 (25Kg)	Bag	1	15,000	7,651.21
48	Tile grout (3Kg)	Bag	1	10,000	10,000.00
49	Timber window 1200 × 700mm high	Nr	4	67,200	268,800.00
50	Union brass butt hinges (1.5Prs/Box)	Box	9	36,450	328,050.00
51	Union Two lever lockset	Pcs	9	40,000	360,000.00
52	UPVC downpipe	Pcs	2	60,000	120,000.00
53	UPVC gutter	Pcs	2	60,000	120,000.00
54	UPVC gutter U-clips	Pcs	12	3,000	36,000.00
55	UPVC shoe	Pcs	3	3,000	9,000.00
56	UPVC swanneck	Pcs	3	2,500	7,500.00
57	UPVC walls clips	Pcs	10	2,700	27,000.00
58	Varnish (4L/Tin)	Tin	3	45,000	135,000.00
59	VGA silk paint (20L/Bkt)	Bkt	1	160,000	160,000.00
60	Weatherguard Paint (20L/Bkt)	Bkt	1	120,000	120,000.00
(A) SUBTOTAL					68,151,336.72
61	Add: Labour cost (25% of A)				17,037,834.18
62	Excavation	m ³	103	5,000	516,133.80
63	Backfilling	m ³	6	4,500	27,638.86
64	Removal of surplus excavated materials	m ³	91	2,500	228,453.53
65	Project registration fees	Item	1	2,500,000	2,500,000.00
TOTAL (Tshs.)					88,461,397.09
VAT (18%)					15,923,051.48
GRAND TOTAL (Tshs.)					104,384,448.57
GRAND TOTAL (USD)					44,998.53

NOTE: 1Tshs = 2319.73 Usd

VISUALS OUTSIDE



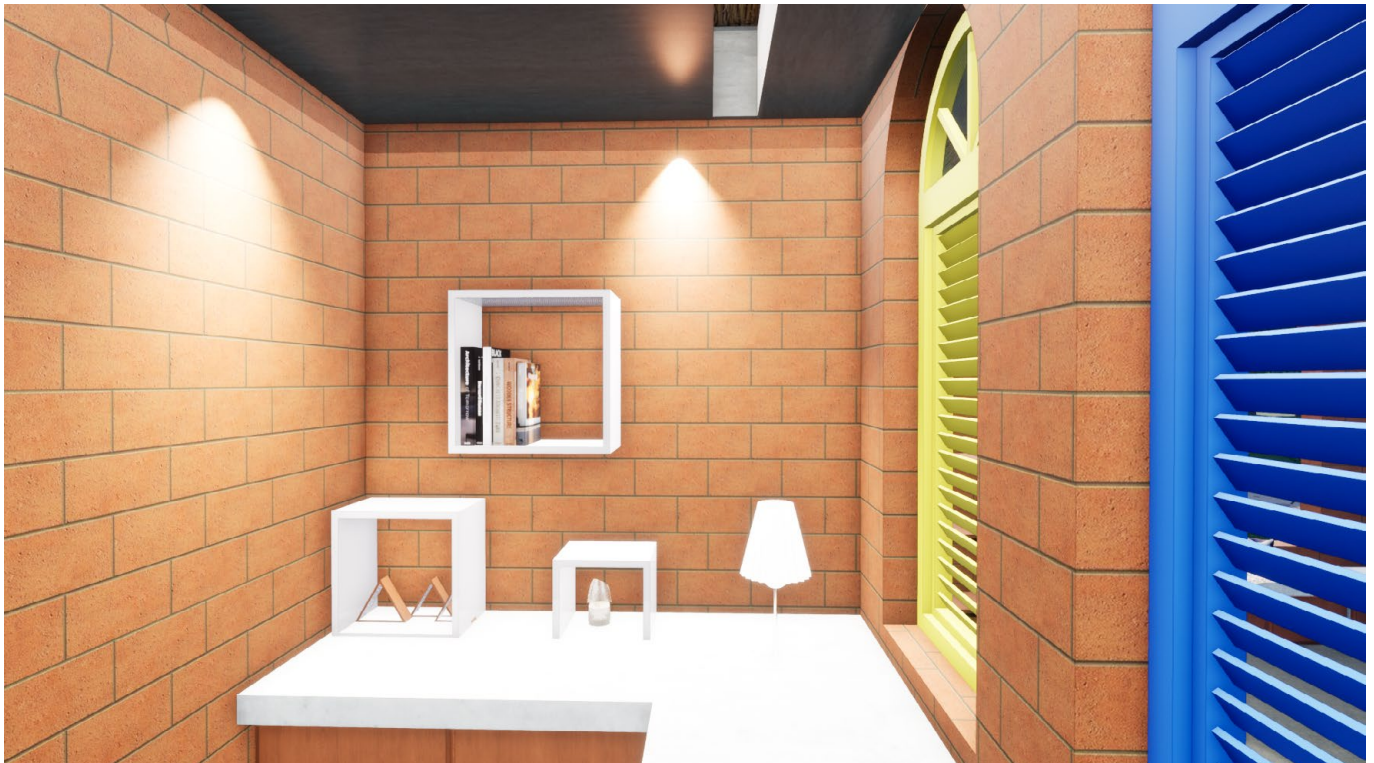
VISUALS INSIDE



VISUALS INSIDE



VISUALS INSIDE



VISUALS TRANSITIONS

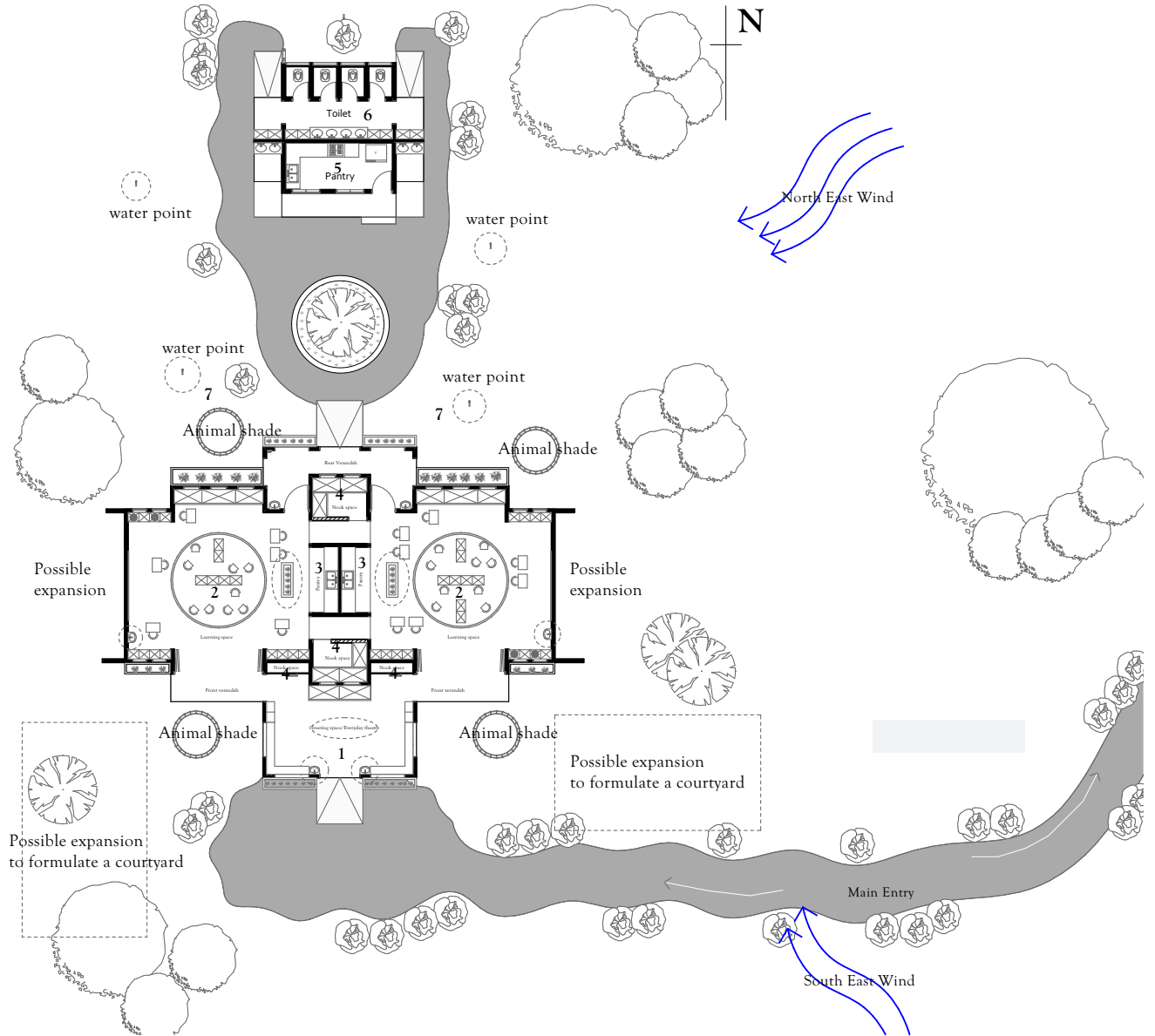


VISUALS FEATURES



PLANS

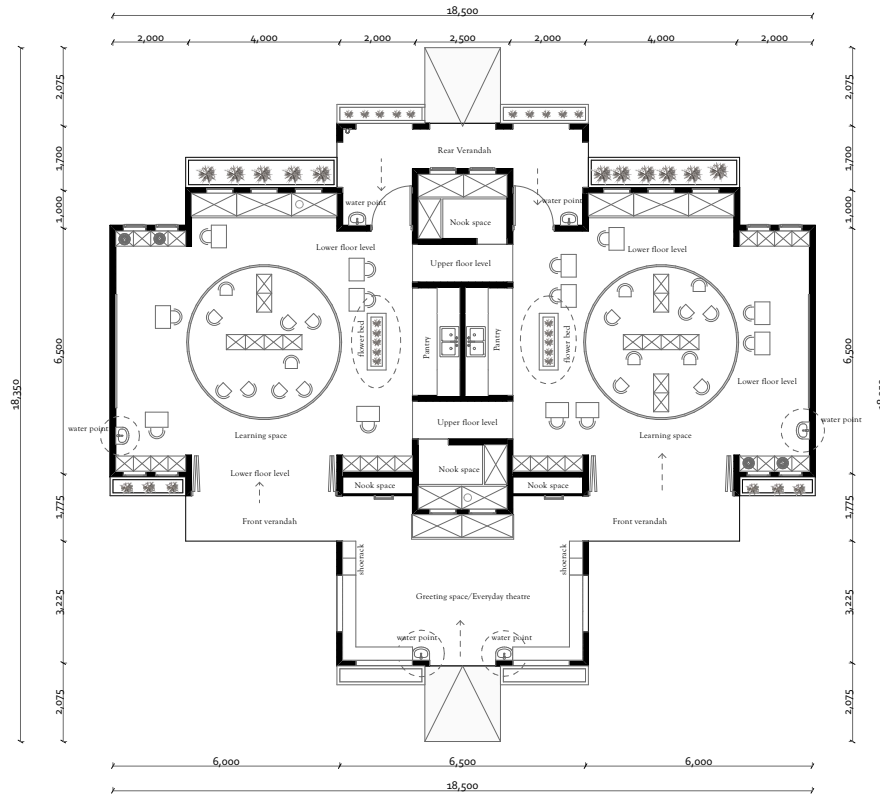
SITE PLAN



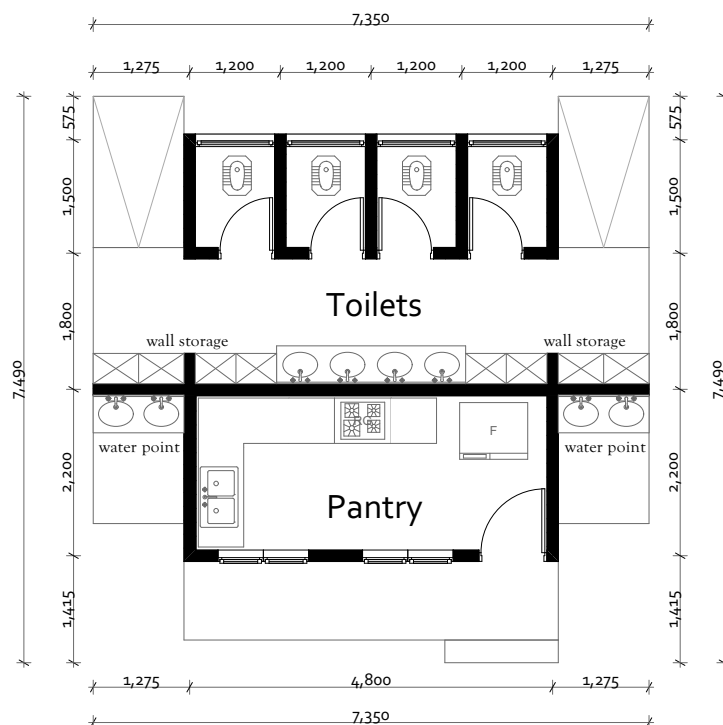
1. Greating space / everyday theatre /Workshop
2. Learning spaces / Library / Workshop / Naproom
3. Student kitchen
4. Nook spaces / Nap room
5. Kitchen
6. Toilets / Changing room
7. Students rear gardens

PLANS

LEARNING SPACE BLOCK
GROUND FLOOR



TOILET / PANTRY BLOCK
GROUND FLOOR



ABOUT

BIOGRAPHY

I am a graduate Architect from Ardhi University with two years of experience in construction industry. I loves working with the community because I believes it is my responsibility to give back to the community through my profession. I am passionate in sustainable designs and low cost housing. In my years of experience, devoted most of time in community school designs and sustainable residential housing designs.

Currently, I am working as Assistant Architect at ALAMA ARCHITECTURE in Dar es Salaam while seeking for registration with the AQRB. I am is also a member of Tanzania Women Architects for Humanity (TAWAH) and assistant Secretary of the NGO.

While working with TAWAH, I have participated in different professional and social works with the aim of fulfilling TAWAH'S goal of ensuring Decent Shelter for all. I was involved in the design and supervision of the girls secondary school in Kisarawe, design and supervision of the ongoing project for empowering women and improving shelter for Elders in Mhaga village and running training sessions with the women in the village on the construction skills.

I have also attended different workshops in Dar es Salaam including the Montessori Workshop held in Dar es Salaam.



CONTACT

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