

Rachael

From: "ana" <ana@aura-lite.com.my>
Date: Monday, 25 April, 2016 9:34 PM
To: "Rachael" <rachael@bhyew.com.my>
Cc: "Rachel Koh" <rachelkoh@aura-lite.com.my>; "Idham AURALITE" <technical@aura-lite.com.my>; "Wani AURALITE" <project@aura-lite.com.my>
Subject: M2864-Batu Kawan plot 1-Syfon sketch proposal

Dear Rachael,

Thanks for your info. Based on Syphon data, we have recalculated the design for RWHS. We are going to revise our proposal based on the following:

Rainwater tank capacity: 13m³

Roof collection area: 1,295m²

Filter flowrate: 122l/s

Rainwater downpipes: 4 nos

Will forward you once done.

Thanks.

Rainwater Harvesting System Sizing - Batu Kawan				
NO.	DESIGN CRITERIA	UNIT	VALUE	REMARK
1	SSR Volume / Capacity	m ³	n/s	Base on SSR
2	RWH Tank Volume / Capacity	m ³	13	
3	Roof Collection Area (100m ² = 1m ³)	m ²	1,295	
4	Rainfall Intensity	mm/hour	340	MSMA 2nd Edition Chapter 6 From ARI Calculation
5	Roof Co-efficient, C		1.00	
6	Max. Design Rain Drainage	litre/hour	440,300	
7	Max. Design Rain Drainage	litre/sec	122	please input data : 0.5 or 1.0 or 1.6
8	RWDP Hydraulic Gradient (k=0.06)	%	0.5	
9	Max. RWDP Discharged			
	4" / Ø100mm	litre/hour	19,800	
	6" / Ø150mm	litre/hour	57,600	
	8" / Ø200mm	litre/hour	122,400	
	10" / Ø250mm	litre/hour	208,800	
	12" / Ø300mm	litre/hour	345,600	
9	Min. No. Rainwater Filter Collector			
	4" / Ø100mm	nos.	22.24	
	6" / Ø150mm	nos.	7.64	
	8" / Ø200mm	nos.	3.60	NOTE FIRST FLUSH 1. Rooftops of 100m ² or smaller : 25 to 50 liters 2. Rooftops of 100m ² or larger: 50 liters per 100m ² 3. Rooftops or surface catchments = or > 4356m ² : 2500 liters
	10" / Ø250mm	nos.	2.11	
	12" / Ø300mm	nos.	1.27	
10	First Flush Capacity			
	50 litres per 100m ²	litres	648	
	N/A	litres	N/A	

Best Regards,
 Ir. Ana Miraa Mohd Yusof
 Technical Director
 0132799488

Aura-Lite (M) Sdn. Bhd.
 36-G, Jalan Putra Mahkota 7/6B,
 Putra Point Business Centre,
 Putra Height, 47650 Subang Jaya,
 Selangor Darul Ehsan.
 Tel : 03-5192 9758 Fax : 03-5192 3410

From: Rachael [mailto:rachael@bhyew.com.my]
Sent: Monday, 25 April, 2016 5:51 PM
To: ana
Subject: Fw: M2864-Batu Kawan plot 1-Syfon sketch proposal

Dear Ana,

Attached herewith the syphon pipe design for your kind reference.

Rachael

From: [Ch Lau](#)
Sent: Monday, April 25, 2016 4:05 PM
To: [Rachael](#)
Cc: [Char Jun Ng](#) ; [Bh Wong](#) ; [Alvin Sia](#)
Subject: M2864-Batu Kawan plot 1-Syfon sketch proposal

Dear Racheal,

As per your request, attached please find the Revised concept drawings for Plot 1 base on the new RHWT tank location.

Thank you

Ch.Lau
 Assistant Design Manager



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From: Rachael [mailto:rachael@bhyew.com.my]
Sent: Monday, 25 April, 2016 10:34 AM
To: Ch Lau <Ch.Lau@syfon.com>; Char Jun Ng <charjun.ng@syfon.com>
Subject: Fw: Batu Kawan plot 1 rwht section sketch

Dear lau,

Attached herewith the other RWH system supplier details for your kind reference.

Rachael

From: [ana](#)
Sent: Friday, April 22, 2016 4:16 PM
To: 'Rachael'
Cc: jitping@bhyew.com.my ; khenghoong@bhyew.com.my ; [Rachel Koh](#) ; [Idham AURALITE](#) ; [Wani AURALITE](#)
Subject: Batu Kawan plot 1 rwht section sketch

Hi Rachael,
 Please find enclosed the proposal for your necessary action.

Please call for any enquiry.

Thank you.

Best Regards,
 Ir. Ana Miraa Mohd Yusof
 Technical Director
 0132799488

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From: Rachael [<mailto:rachael@bhyew.com.my>]
Sent: Friday, 22 April, 2016 11:20 AM
To: ana@aura-lite.com.my
Cc: jitping@bhyew.com.my; khenghoong@bhyew.com.my
Subject: batu kawan plot 1 rwht section sketch

Dear Ana,

The rainwater harvesting tank will be located in a M&E rooms outside the facility deck which the rooms will be build by ventilation blocks with some green creeper camouflaging the wall. The pipe is advisable to go across intermediate walkway between the units and the M&E rooms and these pipes will be covered by the roof trellis.

It will be good to have your proposal then we can discuss further if there is any structure requirement to allocate the required pump/filter .

Can you call me once you received this email. Thank you.

regards,
Rachael