

#6 DB Fresh Water Tanks (FRS 9-27)

Item	Description of Structure	Length of Item (m)	Breadth of Item (m)	Height of Item (m)	Item Area (m ²)**	Number of	Number of Sides	Total Area (m ²)	Notes
1	Frame 9 BHD				9.36	1	1	9.36	
2	Bracket top s-s		0.40	0.30	0.12	4	2	0.96	400 x 400 bkt
3	Stiffener port s-s				0.41	2	2	1.64	150 x 90 x 9
4	Braket Bottom s-s		0.30	0.15	0.05	4	2	8.00	300 x 300 BKT
5	Girder R-R				0.81	2	2	3.24	R-R Girder
6	Stiffener port Q-Q				0.48	2	2	1.92	150 x 90 x 9
7	Bracket topQ-Q		0.40	0.30	0.12	2	2	0.48	400 x 400 bkt
8	Braket Bottom Q-Q		0.30	0.15	0.05	2	2	4.00	300 x 300 BKT
9	Web E--E				0.84	2	2	3.36	Web
10	Ctr P-P same as R-R				0.81	1	2	1.62	R-R Girder
11	Fr 10 & 11				4.86	2	2	19.44	
12	Flat Bar Skeg				0.13	4	2	1.03	
13	Flat bar stiff				0.103	4	2	0.82	
14	Girders				0.48	6	2	5.72	
15	Flange Pl				0.31	10	2	6.20	
	Floor Face flat				0.08	2	2	0.30	
16	Deck Trans				1.20	2	2	4.80	
17	Frame 12 to 18 bhd				9.33	7	2	130.56	
18	Stiff top				0.05	35	2	3.50	
19	Top Cant stif				0.08	14	2	2.27	
20	Btm Cant Stiff				0.12	14	2	3.30	
21	mid stiff				0.04	14	2	1.04	
22	Ring				1.40	7	2	19.53	
23	Girders				0.48	21	2	20.01	
24	Flat Bar Skeg				0.13	14	2	3.61	
25	Flat bar stiff				0.103	14	2	2.88	
26	Fr19 - 26				2.71	16	2	86.72	
27	Girders				0.48	24	2	22.87	
28	Flat Bar Skeg				0.13	16	2	4.13	

29	Flat bar stiff				0.103	16	2	3.30	
30	Bracket 500 x 500				0.13	32	2	8.00	
31	Floor Face flat				0.08	8	2	1.20	
32	Deck Trans				1.20	8	2	19.20	
33	FR 27				18.20	1	1	18.20	
34	Top Tank				37.50	1	1	37.50	
35	Bottom & Sides				16.98	2	1	33.96	
					Total Area (m ²) per Tank			494.68	Square meters
					+ 10% =			544.15	Square meters
					For contingency Use			550.00	Square meters

**Area does not necessarily equal product of dimensions given