



Flamingo Crescent Crèche BOQ and Construction Schedule



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Abstract: This brief document compiles the Bill of Quantities and the Construction Schedule that was used to construct the crèche in Flamingo Crescent. Both of these documents can be easily recreated and can be used as examples for future projects.

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Project Website: For much more on the project from which this report derives, please see <http://wp.wpi.edu/capetown/projects/p2014/flamingo/>

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Flamingo Crescent Crèche - Running BOQ											
Section	Material	Type	Size	Estimated Quantity	Cost/Unit	Budgeted Cost (Rand)	Actual Cost (Rand)	Anticipated Additional Costs (Rand)	Anticipated Total Costs (Rand)	Notes	
Drainage Plan	SAP Timber		38x114x6	4	123.6	494	494		494	Final	
	PVC Pipe		110x6	4	205	820			820	Final	
	PVC Bends		110x75	1	84.95	84.95			84.95	Final	
	PVC Wasting	F/Seal	500ml	1	119	119			119	Final	
	Polycap Pipe		15mm	10	6.5	65			65	Final	
	Delivery Charge				8.5	8.5			8.5	Final	
	Stop Tap Brads		15mm	1	79.9	79.9			79.9	Final	
	Nails Wire		75mm	1	25	25			25	Final	
	Irrigation Sheeting				678	678			678	Final. Bought from Build it	
	Plumbing Tee	CX/CX	15mm	3	80	240			240	Final	
	Plumbing Elbow	CX/CX	15mm	3	64	192			192	Final. Includes R17.70 VAT	
	(insert new rows above here)										
	Drainage Subtotal						2589	2589	0	2589	
Foundation Base-Concrete	Concrete	Afrimac	3m x 30m x 250mm	9m³	916.6	8250			8250	Final. Donated by Afrimac	
	Black Plastic Sheeting				917	917			917	Final	
	Black Sheet	SABS	3x30x250	1	530	530			530	Final	
	Boots	Safety Gum Boot		2	125	250			250	Final	
	Box Timber		38mm x 114 mm	7	123.6	865			865	Final	
	Cement	Lucky	50kg	8	61.50	492			492	Final. (finishes on floor over preexisting concrete)	
	Cement	Lucky	50kg	3	69.58	208			208	Final	
(insert new rows above here)											
Concrete Subtotal						13493	13466	0	13466		
Floor	Nails	Wire	75mm per kg	20	17.54	351	351		351	Final	
	Nails	Wire	75mm per kg	1	22.50	22.50			22.50	Final	
	Nails	Wire	75mm per kg	1	25.00	25.00			25.00	Final	
	Nail Varietal Oil		750ml	1	18.78	18.78			18.78	Final	
	Tix Adhesive	Ezee	20kg	12	26.67	320			320	Final	
	Tile Grout	Ezee J/Grout	5kg	5	45.35	227			227	Final	
	The Spacer	FRG	3mm	5	24.50	122.50			122.50	Final	
	Trim	Pine Skirting	69x15x3	12	28.92	347			347	Final	
	Tile	Sylvan Floor Cherry 1.88		41	147.00	6027			6027	Final	
	Foam & Plastic Combo	MA		76	30.12	2289			2289	Final	
	(insert new rows above here)										
	Floor Subtotal						8312	8314	0	8314	
	Walls	Exterior Cladding	KlipLok Sheet	6mm	237.5	20.00	4750	4750		4750	Final
Setbacks			90mm	4	77.25	309			309	Final. Come in bags of 100	
Internal Cladding		PrimaLEX	1200x3000x6mm	36	378.00	13608			13608	Final	
Insulation		WTA/Therma	60mm x 1.2x10m	13	188.00	2444			2444	Final	
Wooden Studs & Columns		SAP XXX TR	50mm x 75mm x 6600mm	36	137.00	4932			4932	Final	
Galvanized Carport Post			76mm RND	2	175.40	351			351	Final	
Rounding				1	0.04	0.04			0.04	Final	
Drywall Screws		Course	6x25	1000	0.12	120			120	Final	
Sealant		White Alcolon Acrylic		12	19.29	231			231	Final	
Trim		Rivex Corner	75x3000	12	27.43	329			329	Final	
Nails		Wire	100mm per kg	10	17.54	175			175	Final	
Nails		Wire	100mm per kg	1	22.50	22.50			22.50	Final	
Nails		Wire	100mm per kg	1	25.00	25.00			25.00	Final	
Coach Screws	Galvanized	10x40mm	60	1.08	65			65	Final		
(insert new rows above here)											
Wall Subtotal						25992	25990	0	25990		
Roof & Ceiling	Roof Sheet		3.8m	2	128.20	256	0		256	* Sourced from CORC/BN surplus	
	BB	Roof Sheet	6.8m	16	235.00	3760			3760	* Sourced from CORC/BN surplus	
	Timber	SAP XXX TR	38mm x 114mm x 6.5m	10	117.00	1170			1170	Final	
	Setbacks		75mm	6	52.62	316			316	Final. 100 per bag	
	Anchor Nail	FAN	8x10mm	300	2.14	642		642	642	Final	
	Truss Hanger		38mm x 1.3mm	20	11.00	220			220	Final	
	Gypsum Board		1.2x1.4x6.4m	21	102.04	2143			2143	Final	
	Clout		30mm per kg	4	39.50	158			158	Final	
	Gutter			1000		1000			1000	Final	
	Insulation	ISALATION 409	1.2x4.0m	2	600.00	1200			1200	Final	
	Nails	Wire	100mm per kg	1	20.00	20			20	Final	
	Timber	SAP 38x136x60 RH TR XXX	100mm per kg	36	40.83	1470			1470	Final	
	Drywall Screws	6x32 ea		300	0.12	36			36	Final	
Drywall Screws	6x32 ea		800	0.12	96			96	Final		
(insert new rows above here)											
Roof & Ceiling Subtotal						12876	7218	1642	8640		
Doors & Windows	Door	U3Meranti w/ Frame	600x900	1	270.00	270			270	Final	
	Door	U2 Meranti w/ Frame	1155x900	1	340.00	340			340	Final	
	Entrance Door	MSR Colonial 6 Panel Door		2	700.87	1402			1402	Final	
	Entrance Door	Split Door		1	1500.00	1500			1500	Final	
	Lockets	Mortise 3 Lever Lockset		2	65.79	132			132	Final	
	Yanbala	C/Close Plywood	5L1	1	411.80	412			412	Final	
	Lacquer Thinners		750ml	2	21.92	44			44	Final	
	Steel Bolt Nuts	3/8x1 1/2	100 x 75	2	21.93	44			44	Final	
	Lockset	Mortise 3 Lever		1	75.00	75			75	Final	
	Hinges	3/8x1 1/2	100x75	2	25.00	50			50	Final	
	POI Stairs	FUB PlyPack		1	1000.00	1000			1000	Final	
	(insert new rows above here)										
	Doors & Windows Subtotal						5288	3636	1632	5268	
Interior Partitions	Partition	Timber SAP XXX TR	50 x 75x 3600	20	78.43	1578			1578	Final	
	VADEK HI HINGING CONTRATOR			2	392.97	786			786	Final	
	(insert new rows above here)										
Interior Partitions Subtotal						1959	0	1959	1959		
Plumbing	Toilet	ASTMA C/C Suite Complete		2	700.87	1402			1402	Final. Includes basin	
	Sink	Betta Pital Tap	15mm	1	170.24	170			170	Final	
	Water Supply Lines & Fixtures	Plumber			2000	2000			2000	Final	
(insert new rows above here)											
Plumbing Subtotal						5572	0	5572	5572		
Electrical	wiring, outlets, switches					2000			2000	Final	
	lights					1000			1000	Final	
	Electrical					1000			1000	Final	
(insert new rows above here)											
Electrical Subtotal						3000	0	3000	3000		
Finishing Interior & Misc.	Pine Shelf		610mm x 2400mm	1	324.95	325			325	Final	
	Wall Band		1830mm	3	124.95	375			375	Final	
	Brackets		457mm	3	41.95	126			126	Final	
	Burial Bars				3000	6000			6000	Final	
	Paint & Wall Finishing				2000	2000			2000	Final	
	Carpeting				2000	2000			2000	Final	
	Both Cabinet/Changing Counter				2000	2000			2000	Final	
	Paint	VADEK HI HINGING CONTRATOR		2	200.00	400			400	Final	
	Paint	VADEK HI HINGING CONTRATOR		1	174.56	175			175	Final	
	Paint Test	NEWBORN UNIL TINT 25ml		4	30.00	120			120	Final	
	Painters Tape	FIBRE TAPE	45m	4	35.00	140			140	Final	
	(insert new rows above here)										
	Finishing Subtotal						12381	750	13336	14081	
Kitchen	Counter-Tops					800			800	Final	
	Cabinets	On the Wall				2000			2000	Final	
	Counter Cabinets	Under the Sink				2000			2000	Final	
(insert new rows above here)											
Kitchen Subtotal						4800	0	4800	4800		
VAT & Delivery	Materials Delivery Charge			3	180	540	540		540	Final. From LTD Building Supplies, final	
	Materials Delivery Charge			1	205.10	205	205		205	Final	
	Materials Delivery Charge			1	150.00	150	150		150	Final	
	VAT					1946			1946	Final	
	VAT					1853			1853	Final	
	VAT					3844			3844	Final	
	VAT					135			135	Final	
	VAT					69			69	Final	
(insert new rows above here)											
VAT & Miscellaneous Subtotal						10025	895	0	895		
MATERIALS TOTAL						106486	52559	31930	84489		
Labor	8 laborers		8*120r/day/25 days	25 days	120r/day	24000	8450	15550	24000	Final	
	Foreman			25 days	170R/day	4250			4250	Final	
	Proxwork	UGM				8000	8000		8000	Final	
(insert new rows above here)											
LABOR TOTAL						36250	16450	19800	36250	CORE	
Tools	Generator Hire Per Day			25	200.00	5000		2500	2500	CORE	
	Roller Tray Sets				14.03	28			28	Final	
	Paint Brush	LED Prnde	100mm	2	48.26	97			97	Final	
	Saw	Hand B/L PROF	500mm	1	79.50	80			80	Final	
	Trimed Plaster	Handmade MTS50B		1	59.00	59			59	Final	
	Tape Measure	B/ EXP	7.5m	1	58.50	58			58	Final	
	Hose	Clear Thin P/M	12mm	16	10.00	160			160	Final	
	Roller Tray Sets			3	15.99	48			48	Final	
	(insert new rows above here)										
	TOOL TOTAL						33780	16944	2500	2994	
Kitchen Equipment	Double Basin Sink			1	700	700			700	Final	
	Faucet			1	400	400			400	Final	
	Domestic Burner	Electric		1	2400	2400			2400	Final	
	Small Refrigerator			1	2500	2500			2500	Final	
	Large Pots			2	400	800			800	Final	
	Cooking Utensils	Plastics Warehouse		1	600	600			600	Final. Includes chopping board	

Little Paradise Construction Schedule

Task Name	Duration	Start	Finish	Construction Crew Size	Nov 10 - 14		Nov 17 - 21				Nov 24 - 28				Dec 1 - 5				Dec 8 - 12				Dec 15 - 19							
					Week 1					Week 2				Week 3				Week 4				Week 5				Week 6				
					M	T	W	Th	F	M	T	W	Th	F	M	T	W	Th	F	M	T	W	Th	F	M	T	W	Th	F	M
Clear Lot	1	11/10/14	11/10/14	2																										
Dranaige	3	11/13/14	11/17/14	2																										
Order Materials	1	11/18/14	11/18/14																											
Concrete Box	1	11/24/14	11/24/14	3																										
Slab Box/Pour Concrete	1	11/24/14	11/24/14	2																										
Build/Assemble Walls	2	11/25/14	11/26/14	5																										
Roof	2	11/27/14	11/28/14	5																										
Doors	2	11/27/14	11/28/14	5																										
Windows	3	11/28/14	12/02/14	5																										
Wall Insulation	4	11/28/14	12/03/14	5																										
Interior Cladding	4	12/01/14	12/04/14	5																										
Concrete Sub-Floor	4	12/04/14	12/09/14	5																										
Ceiling Insulation	2	12/08/14	12/09/14	5																										
Exterior Painting	2	12/08/14	12/09/14	5																										
Ceiling Cladding	3	12/10/14	12/12/14	5																										
Interior Painting	3	12/11/14	12/15/14	5																										
Flooring	2	12/11/14	12/12/14	4																										
Interior Plumbing	1	12/15/14	12/15/14	4																										
Partitions	2	12/16/14	12/17/14	5																										
Kitchen	2	12/18/14	12/19/14	5																										
Bathrooms	2	12/18/14	12/19/14	5																										