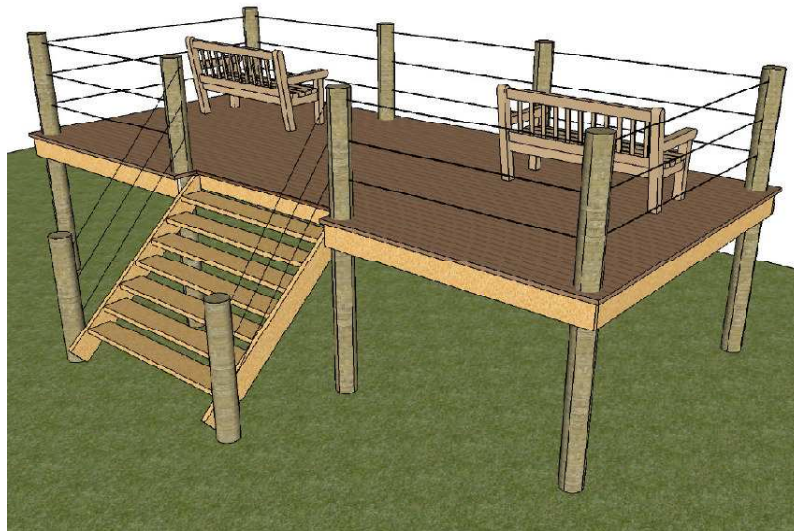


OVERSTRAND MUNICIPALITY



HAWSTON HARBOUR - WHALE VIEWING DECK



MAY 2009

RAADGEWENDE INGENIEURS
& PROJEK BESTUURDERS
AVDM

OVERSTRAND MUNICIPALITY**HAWSTON HARBOUR - WHALE VIEWING DECK**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	PRELIMINARY & GENERAL				
1.1	Preliminary and General Charges	Sum	1		
2	EATHWORKS AND CLEARING				
2.1	Clearing building area of vegetation (40m2)	Sum	1		
2.2	Excavation for posts in soft material for 150mm dia poles - 1000x450x450mm	No	17		
2.3	Extra over excavation item 2.2 for excavation in hard rock	m3	2		
3	DECKING AND WOODWORK				
	Supply and install:				
3.1	Gum Poles CCA treated				
	150mm dia gum poles in 1m deep excavated holes including casting in of 700x450x450mm 25MPa concrete footing				
3.1.1	3.6m length	No	12		
3.1.2	2.7m length	No	3		
3.1.3	1.8m length	No	2		
	150mm dia gum pole fixed for Stair support				
3.1.4	1.8m length	No	1		
3.2	Rough Size SA Pine (Grade 5) CCA-Tanalith Treated				
	Bearer Beams				
3.2.1	50x200mm in 3.0m length	No	5		
	Joists				
3.2.2	50x150mm in 1.95m lenghts	No	24		
3.3	PAR FINISHED SIZE (Grade 5)				
	Stairs Beams				
3.3.1	50x200mm in 3.0m length	No	3		
	Stair Treads				
3.3.2	44x220mm in 1.55 length	No	10		
	Stair support stubs fixed with screws				
3.3.3	44x144 in 50mm length	No	20		
3.3.4	32x144 in 280mm length	No	10		
3.4	PAR FINISHED SIZE (Grade 5) with rounded edges on one side				
	Handrail				
3.4.1	32X220 in 3.0m length	No	10		

	Guard Post				
3.4.2	70x70 in 900mm length	No	28		
	Gard Rail				
3.4.3	22x94mm in 3.0m length	No	28		
	Decking				
3.4.4	32x144mm in 3.0m length	No	21		
4	FIXING				
	Supply and install:				
4.1	Threaded bar with washers and bolts either end including drilling and cadmium plating.				
4.1.1	12mm bar, washers and nuts - 350mm length for beams	No	38		
4.1.2	12mm bar, washers and nuts - 450mm length for stair support	No	2		
4.2	Coach Screws				
4.2.1	M12x40mm for joist bracket	No	76		
4.2.2	M12x100mm for joist fixing to poles	No	20		
4.3	Galvanised Brackets				
4.3.1	50x100mm hanger bracket for joists	No	38		
4.3.2	40x40mm angle bracket for Guard Post	No	46		
4.4	Stainless Steel Screws				
4.4.1	6x70mm -for decking	No	252		
4.4.2	6x60mm - for handrails	No	220		
4.4.3	6x40mm - for guard post bracket	No	92		
4.4.4	6x80mm -for step support	No	60		
4.4.5	6x60mm - for step fixing	No	60		
4.4.6	6x60mm - for joist fixing to bracket	No	78		
5	TREATMENT				
	Supply and apply to all wood surfaces after cleaning and sanding :				
5.1	1st coat Rubbol treatment to be thinned down with 20% mineral turps and left to dry for 24 hours and sand before second coat.	Sum	1		
5.2	2d coat Rubbol treatment to be thinned down 10% with mineral turps and left 24 hours to dry and sand before final coat.	Sum	1		
5.3	Final coat full strenght Rubbol application.	Sum	1		
				SCHEDULE TOTAL	
				2.5% Contingency	
				SUB TOTAL	
				14% VAT	
				TOTAL	