



Site:-  
 Jo Bloggs,  
 No Where,  
 Any Town,  
 Timber Frame,

In reply to your valued enquiry we have pleasure in supplying the following list of materials.

QuantiMate Aided:- Material Quantities For Title :- BARTONC2

The quantities shown are believed to be correct on the basis of the drawings provided by you and no responsibility can be accepted for their sufficiency or otherwise. It is the customers responsibility to verify quantities suggested. We cannot accept liability for any consequential costs. Our responsibility is limited to the delivery of the materials as ordered by you.

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**ITEM 1 GROUNDWORKS**

	Qty	Price	Per	Cost
Note -: Ground assumed to be reasonably level				
Ext. Foundations---	1100 mm deep	450mm wide X	600mm thick	
Int. Foundations---	1100 mm deep	450mm wide X	600mm thick	
Vegetation strip oversite	M3	11.5		
Foundation spoil	M3	35.8		
1.3.6 mix concrete	M3	19.2		
Optional site mixed quantities				
Ballast	Tonnes	34.5		
Portland cement	Bags	158		
Oversite materials based on :-				
150mm thick aggregate				
25mm Blinding				
Concrete 100mm thick				
20mm aggregate	Tonnes	15.4		
Blinding material	Tonnes	2.5		
Polythene damp membrane	M2	77		
1.2.4 mix concrete	M3	7		
External soil backfill	M3	1.2		
Optional site mixed quantities				
Ballast	Tonnes	12.6		
Portland cement	Bags	86		
Light mesh reinforcement	M2	77		

**ITEM 2 BRICK SUMMARY OF ITEMS 3 - 8**

		Qty	Price	Per	Cost
Airbricks		3			
Cavity liner		3			
Facing bricks	215 X 65	11977			
Non facing bricks	215 X 65	399			
Foundation blocks 100mm	440 X 215	355			
Foundation blocks 100mm	440 X 215	226			
Starter unit		1			
Fireback		1			
Front brick		1			
Throat unit		1			
Straight flue liners	300 X 225	25			
Curved flue liners	225 37.5deg	2			
Chimney pots 12"		1			
Builders soft sand		Tonnes	12.7		
Portland cement (25kg)		Bags	38		
Masonry cement (25Kg)		Bags	106		
Tri Gal Wall Ties (250)			584		
Cavity insulation area		M2	182		
Internal skin plaster area		M2	156		
Internal studwork plaster area		M2	269		
P/Board 2400 X 1200 X 12.5			55		
Fibre Tape self adhesive		M	570		
Ready Mix Joint Filler 12L		Tub	11		
Underfloor insulation area		M2	75		
Celotex area 50mm		M2	75		
Celotex area 25mm		M2	15		
Separation membrane area		M2	75		
Internal floor screed area		M2	75		
Sharp sand		Tonnes	8.7		
Portland cement (25kg)		Bags	59		
Stud ground 47 X 100 99/2.4		M	238		
Cill plate 47 X 150		M	75.6		
Header joist 47 X 200		M	37.8		
Sole plate 47 X 100		M	96.6		
Brace 47 X 100		M	34.2		
Head lintel 47 X 150		M	34.8		
Cill 47 X 100		M	16.5		
Gable plate 47 X 100		M	21		
Head binder 47 X 100		M	75.6		
Noggins / dwang 47 X 100		M	85.5		
Perimeter plate 22 X 100		M	75.6		
Fire barrier 47 X 50		M	153.9		
9.5mm plywood		M2	182		
Breather felt		M2	182		
Vapour barrier		M2	182		
Stud first 47 X 100 99/2.4		M	238		
Stud gable 47 X 100 32/2.4		M	77		
Head plate 47 X 100		M	96.6		
Sole plate anchor			20		
Window only area		M2	11.9		
Mortar plasticiser		Litres	18		
100mm DPC (30M roll)		M	118		
150mm DPC (30M Rolls)		M	58		
Thermal cavity closer		M	46		

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External door frame 1981 X 838			1		
Frame ties			60		
Fireplace lintels			1		
Ext door lintel No. 1	1200		1		

**ITEM 4 GROUND FLOOR**

			Qty	Price	Per	Cost
P/Door frame	Living Room	1810 X 2100	1			
Window	Dining Room	1770 X 1200	1			
P/Door frame	Kitchen	1810 X 2100	1			
Window	Kitchen	1200 X 1050	1			
Window lintel	Living Room	2250	1			
Window lintel	Dining Room	2100	1			
Concrete cill	Dining Room	2100	1			
Window lintel	Kitchen	1500	1			
Concrete cill	Kitchen	1500	1			
Window lintel	Kitchen	2250	1			
Concrete cill	Kitchen	2250	1			

**ITEM 5 1st FLOOR**

			Qty	Price	Per	Cost
Window	Landing	1200 X 1200	1		A	
Window	Bedroom 2	1770 X 1200	1			
Window	Bedroom 3	1770 X 1200	1			
Window	Bedroom 4	1200 X 1200	1			
Window	Main Bathroom	1200 X 1200	1		m	
Window	Ensuite B/Room	1770 X 1050	1			
Window lintel	Landing	1500	1			
Concrete cill	Landing	1500	1			
Window lintel	Bedroom 2	2100	1		p	
Concrete cill	Bedroom 2	2100	1			
Window lintel	Bedroom 3	2100	1			
Concrete cill	Bedroom 3	2100	1			
Window lintel	Bedroom 4	1500	1		l	
Concrete cill	Bedroom 4	1500	1			
Window lintel	Main Bathroom	1500	1			
Concrete cill	Main Bathroom	1500	1			
Concrete cill	Ensuite B/Room	2100	1		e	

**ITEM 9 ROOF TILING**

			Qty	Price	Per	Cost
TILE COLOUR.....	TYPE	Marley Modern				
Tiled roof area =	M2		112			
Marley Modern						
Tiles	420 X 330		1076			
L/Hand verge tiles	420 X 330		32			
Ridge tiles	450mm long		24			
Eaves crossflow vents			35			



Undercloak	M	22			
Roofing felt	M	153			
Tile batten 25 X 50	M	336			
Chimney flashing kit		1			

**ITEM 10 UNDERGROUND DRAINAGE**

		Qty	Price	Per	Cost
Note -: Ground assumed to be reasonably level					
Excavation depth of main runs is assumed to be .8 deep					
Excavation depth of outfall is assumed to be 1.1 deep					
Drainage spoil	M3	26.6			
Drainage backfill	M3	15			
100mm P/E pipe plastic	M	61			
100mm S/E bend plastic	each	15			
100mm D/E Junction plastic	each	1			
100mm S/E Rest Bend plastic	each	3			
100mm Coupler plastic	each	30			
100mm P/E Bottle gully plastic	each	4			
100mm Inspection Chamber 600 plast	each	4			
100mm Inspection Cover plastic	each	4			
100mm Manhole 900 plastic	each	1			
100mm Manhole Cover plastic	each	1			
100mm P/E Rodding Eye plastic	each	1			
100mm Waste Adaptor plastic	each	2			
Based on 300mm pipe bedding/fill					
Lintel 600mm	each	1			
Pipe Bedding	Tonnes	8.8			
Hardcore for soakaway	Tonnes	3			
Lean mix concrete	M3	1.3			

**ITEM 15 JOISTS**

		Qty	Price	Per	Cost
UPPER FLOOR JOISTS					
CALCULATIONS BASED ON 400mm CENTRES					
Sawn 47 X 195 16 / 4.2	M	67.2			
Sawn 47 X 195 11 / 2.7	M	29.7			
Sawn 47 X 195 12 / 4.8	M	57.6			
Sawn 47 X 195 6 / 2.7	M	16.2			
Sawn 47 X 195 3 / 2.4	M	7.2			
Sawn 47 X 195 7 / 3	M	21			
Sawn 47 X 195 4 / 2.4	M	9.6			
Sawn 47 X 170 3 / 2.7	M	8.1			
Sawn 47 X 170 7 / 1.2	M	8.4			
JOIST HANGERS & STRAPS ( max 2 metre centres )					
Joist Hanger TTL 47mm		20			
Joist straps 1200 bent 150mm		11			
Strap noggins 50 X 100	M	13.2			

**ITEM 16 ROOF TIMBERS**

			Qty	Price	Per	Cost
TRUSSES MUST BE CALCULATED BY MANUFACTURER						
Summary of requirements:- based on 600mm centres						
Roof angle 40 Degrees						
Trusses span	Apex 7.5 M			20		
Roof plates	50 X 100	M		20.4		
Fascia board	19 X 175	M		21.3		
Barge board	19 X 150	M		22.8		
Soffit strip	300 X 6	M		44.1		
Soffit vent	2440	M		21.3		
Rafter straps	1600			12		
Strap noggins	50 X 100	M		18		
Wall straps	600			10		
Longitudinal br	22 X 100	M		84.6		
Diagonal brace	22 X 100	M		64.5		
Truss clips				40		

**ITEM 17 CARPENTER 1st FIX**

				Qty	Price	Per	Cost
External door	838 X 1981			1			
External door lock pack				1			
Window Board	Dining Room 2100	mm		2100			
Window Board	Landing 1500	mm		1500			
Window Board	Bedroom 2 2100	mm		2100			
Window Board	Bedroom 3 2100	mm		2100			
Window Board	Bedroom 4 1500	mm		1500			
Patio door	Living Room 1810 X 2100			1			
Patio door	Kitchen 1810 X 2100			1			
Door liner				11			
Door liner	CUPBOARD			14			
Door liner	AIR/CUPBOARD			1			
Loft hatch liner				1			
Staircase				1			
Herringbone	38 X 50	M		66			
Edge noggins	50 X 50	M		94.5			
Floor area down		M2		73			
Floor area 1st		M2		66			
Upper floor acoustic area		M2		66			
Chipboard t&g	2400 X 600 X 22			50			
Chipboard Adhesive		Litre		4			
P/Board noggins	50 X 50	M		63			
Wallboard	2400 X 1200 X 12.5			23			
Wallboard	2400 X 1200 X 15			26			
Fibreglass	150mm	M2		74			
Fibreglass	100mm	M2		74			
Studwork at 450 mm centres							
Wallboard	2400 X 1200 X 12.5			99			
Fibreglass	100mm	M2		135			
Stud	50 X 100 146/2.4	M		350			
Studwork plate	50 X 100	M		109			



Studwork noggin 50 X 100	M	48			
Board finish Plaster (25kg)	Bags	13			
Fibre Tape self adhesive	M	198			
Double door liner		1			

**ITEM 18 CARPENTER 2nd FIX**

		Qty	Price	Per	Cost
Internal doors	762 X 1981	13			
A/Cupboard door	762 X 1981	1			
Cupboard door	762 X 1981	14			
Passage door furniture sets		10			
Cupboard door furniture sets		15			
Bathroom door furniture sets		3			
Loft hatch		1			
Architrave	19 X 50	M	216.9		
Skirting	19 X 100	M	168		
Bath frame	38 X 50	M	14.4		
Pipe casing	38 X 50	M	62.1		
A/Cupboard shel	19 X 50	M	19.2		

**ITEM 20 GUTTER**

		Qty	Price	Per	Cost
NOTE:- The size and style of gutter is subject to flow rates required					
BASED ON 2 RAINWATER OUTLETS					
Colour..... Type.....					
Gutter	M	21		S	
Gutter support brackets		21		A	
Gutter joiner brackets		4		m	
End stops		4			
Running outlets		2			
Downpipe	5.50M	2			
Pipe clips		8		p	
Pipe ofsets		4			



**ITEM 25 ELECTRICS**

		Qty	Price	Per	Cost
Installation Boxes					
1 Gang boxes in stud walls		28		e	
2 Gang boxes in stud walls		34			
Lights & accessories					
Pendant set		13			
Downlighter		2			
Strip Light		4			
Wall light		3			
External light		4			



Extractor Fan		3			
Extractor duct		3			
Mains smoke alarm		2			
Shaver light unit		2			
<b>Sockets &amp; Switches</b>					
1 Gang 1 way light switch		8			
2 Gang 1 way light switch		2			
1 Gang 2 way light switch		3			
2 Gang 2 way light switch		6			
2 Gang socket		34			
Pull cord light switch		3			
Telephone outlet		4			
TV outlet		4			
Bell push		1			
Bell chime		1			
13A fused spur		1			
45A cooker switch		1			
Cooker outlet plate		1			
<b>Cable</b>					
1.0mm Twin + Earth cable		195			
1.0mm 3C + Earth cable		135			
2.5mm Twin + Earth cable		257			
6mm Twin + Earth cable		15			
10mm Twin + Earth cable		20			
Armoured three core 25mm cable		4			
Telephone cable		60			
Tv & Satelite cable		60			
1.0mm cable clips		549			
2.5mm cable clips		457			
6mm cable clips		30			
10mm cable clips		120			
Tv & Satelite cable clips		120			
Metal sheating		12			
Consumer Unit		1			
RCD Double Pole		1			
MCB 10 amp type B		2			
MCB 15 amp type B		2			
MCB 30 amp type B		2			
<b>ITEM 27 SANITARY WARE</b>					
		Qty	Price	Per	Cost
<b>KITCHEN</b>					
Kitchen equipment not included as these items are subject to design criteria					
<b>UTILITY ROOM</b>					
Utility room equipment not included as these items are subject to design criteria					





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 <small>Incorporating</small> 					
W.C Pan washdown			3		
W.C Cistern			3		
W.C Seat and cover			3		
Basin 365 X 225			1		
Hanging brackets	Pair		1		
Basin taps 1/2in	Pair		3		
Basin waste plug & chain 1 1/4in			3		
Basin 560 X 405			2		
Basin pedestal			2		
Bath 1700 X 700			2		
Bath side panel			2		
Bath end panel			2		
Bath waste plug & chain 1 1/2in			2		
Bath mixer tap	Pair		2		
Shower Mixer			1		
Shower tray 760 X 760			1		
Shower unit			1		
Kitchen Sink			2		
Kitchen Mixer Tap			2		
15mm Isolation valve			19		
22mm Isolation valve			1		
19mm Overflow pipe			6		
19mm Overflow pipe clip			6		
19mm Overflow elbow			3		
19mm Overflow tank connector			3		
15mm Pipe			77		
15mm Elbow			51		
15mm Tee			20		
15mm Tap connector			15		
15mm Stop tap			1		
15mm Coupler			17		
15mm Pipe clips			64		
15mm Washing machine tap			2		
15mm Drain off cock			1		
15mm Filling loop			1		
22mm Pipe			27		
22mm Elbow			10		
22mm Tee			2		
22mm Tap connector			4		
22mm Gate valve			1		
22mm Coupler			2		
22mm Pipe clips			15		
22mm x 15mm reducer			3		
110mm Pipe			16		
110mm Pipe bracket			13		
110mm Bend			4		
110mm Socket			3		
110mm Bossed pipe			2		
110mm Single branch			3		
110mm Ballon			1		
110mm Pan connector			3		
110mm Weathering slate			1		

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40mm Pipe			17		
40mm Pipe clip			34		
40mm Bend			12		
40mm Coupler			6		
40mm Tee			6		
40mm S Trap			3		
40mm Shallow Bath trap			2		
40mm Shallow Shower trap			1		
40mm Washing machine trap			1		
32mm Pipe			5		
32mm Pipe clip			9		
32mm Bend			6		
32mm Coupler			3		
32mm S Trap			3		
40 TO 32mm Reducer			3		
<b>ITEM 28 CENTRAL HEATING</b>					
			Qty	Price	Per Cost
Calculations based on outside air temperature of -1 Celsius					
1« Air changes per hour					
20% Heat loss in pipework in extreme weather					
Bed Rooms cloakroom hall & landing at 16 Celsius					
Other rooms at 21 Celsius					
HEATING USING COMBI BOILER					
ROOM	HEAT REQ (KW)	RADIATOR			
Living Room	2.6		1		
Dining Room	1.06		1		
Kitchen	1.24		1		
Utility	.26		1		
Cloakroom	.11		1		
Lobby	.29		1		
Hall	.35		1		
Landing	.54		1		
Bedroom 2	.75		1		
Bedroom 3	.68		1		
Bedroom 4	.39		1		
Main Bathroom	.58		1		
Ensuite B/Room	.68		1		
Pipe loss @ 15% Kw			1.8		
Boiler size Kw			14.4		
Radiator valves			13		
Thermostatic radiator valves			13		

 <small>Incorporating</small> 						
15mm pipe			163			
15mm bend			52			
15mm coupler			52			
15mm isolation valve			26			
15mm clip			127			
22mm pipe			48			
22mm tee			6			
22mm bend			12			
22mm coupler			12			
22mm isolation valve			6			
22mm clip			17			
22mm insulation			11			
22mm x 15mm tee			26			
Balance flue			1			
<b>SUNDRY ITEMS NOT CALCULATED</b>						
Structural steels						S
Fixings						A
Nails						
Screws						
Glass & Putty						
Decorative materials						m
Wall tiles						
Electrical components						
External drives and paths						
Underground pipes						p
Soil pipes						
Waste pipes						
Copper tube						
Copper fittings						I
Lead flashings						
Patio slabs						
Fencing						e
Quantities prepared by						
 <small>Incorporating</small> 						
Tel:- 01931 716810						
<b>ITEM SUMMARY OF CONSTRUCTION</b>						
Title :- BARTONC2      Date :- 13/05/2005						
TWO STOREY DETACHED TIMBER FRAME MADE ON SITE BRICK FINISHED						
RECTANGULAR OUTLINE						
EXT DIMS 10.11M X 7.80M ( 33 ' 1 '' X 25 ' 7 '' )						
EXT FOUNDATIONS 1100mm deep X 450mm wide X 600mm thick						
INT FOUNDATIONS 1100mm deep X 450mm wide X 600mm thick      LENGTH = 34.9 M						
ROOF 40 DEGREES GABLE / GABLE RIDGE PARALLEL WITH 10.11M EXTERNAL DIMENSION						
ROOF EAVES OVERHANG OF 200mm						
STANDARD HORIZONTAL ROOF INSULATION						



CONSTRUCTED USING TRUSSES								
DRAINS CALCULATED BY QUANTI-MATE USING ADVANCED MATHS								
TIMBER STUDWORK								S
EXTERNAL SKIN DRYLINED & JOINTED								
INTERNAL BLOCK PARTITIONS DRYLINED & JOINTED								
SCREEDED INSULATED STYLE GROUND FLOOR								
ON FLOOR SLAB THICKNESS 100 mm								A
SCREED THICKNESS 65 mm								
INCLUDES 1 CONVENTIONAL CHIMNEYS								
CENTRALLY HEATED WITH COMBINATION BOILER								
INCLUDES 14 CUPBOARD(S)								m
Accommodation Downstairs								
Living Room	3850 mm	X	5595 mm	12 ' 7 ''	X	18 ' 4 ''		
Dining Room	3467 mm	X	3467 mm	11 ' 4 ''	X	11 ' 4 ''		
Kitchen	4328 mm	X	4328 mm	14 ' 2 ''	X	14 ' 2 ''		
Utility	2300 mm	X	1950 mm	7 ' 6 ''	X	6 ' 4 ''		p
Cloakroom	900 mm	X	1900 mm	2 ' 11 ''	X	6 ' 2 ''		
Lobby	2508 mm	X	2508 mm	8 ' 2 ''	X	8 ' 2 ''		
Hall	2790 mm	X	2790 mm	9 ' 1 ''	X	9 ' 1 ''		i
Accommodation Upstairs								
Landing	3307 mm	X	3307 mm	10 ' 10 ''	X	10 ' 10 ''		
Bedroom 2	4247 mm	X	4247 mm	13 ' 11 ''	X	13 ' 11 ''		
Bedroom 3	3992 mm	X	3992 mm	13 ' 1 ''	X	13 ' 1 ''		
Bedroom 4	3190 mm	X	3100 mm	10 ' 5 ''	X	10 ' 2 ''		e
Main Bathroom	2350 mm	X	2350 mm	7 ' 8 ''	X	7 ' 8 ''		
Ensuite B/Room	3000 mm	X	1915 mm	9 ' 10 ''	X	6 ' 3 ''		