

31-Jan-13 E1496 (Outputs 2,3 & 4)

ELEMENTAL SUMMARY - Output 3-ENERGY EFFICIENCY 40m² Standard Unit with double pitched roof

Total Construction Area

40

		Elemental	Rate/m² of	% of Total
		Total	Building Area	Cost
Α	PRIMARY ELEMENTS 12 538		316.61	91.67%
	1 Foundations	0	0.00	0.00%
	2 Ground floor construction	0	0.00	0.00%
	3 Structural frame	0	0.00	0.00%
	4 Independent structural components	0	0.00	0.00%
	5 External envelope	3 543	89.47	25.90%
	6 Roofs	1 248	31.52	9.12%
	7 Internal divisions	0	0.00	0.00%
	8 Partitions	0	0.00	0.00%
	9 Floor finishes	0	0.00	0.00%
	10 Internal wall finishes	1 238	31.26	9.05%
	11 Ceilings and soffits	6 509	164.36	47.59%
	12 Fittings	0	0.00	0.00%
	13 Electrical installation	0	0.00	0.00%
	14 Internal plumbing	0	0.00	0.00%
	15 Fire services	0	0.00	0.00%
	16 Balustrading, etc	0	0.00	0.00%
	17 Miscellaneous items	0	0.00	0.00%
В	SPECIAL INSTALLATIONS 0		0.00	0.00%
	18 Piling	0	0.00	0.00%
	19 Sun control screens, grilles, etc	0	0.00	0.00%
	20 Raised access floors	0	0.00	0.00%
	21 Special fire protection	0	0.00	0.00%
	22 Lifts	0	0.00	0.00%
	23 Escalators	0	0.00	0.00%
	24 Air conditioning	0	0.00	0.00%
	25 Ventilation	0	0.00	0.00%
	26 Heating	0	0.00	0.00%
	27 Special electrical installations	0	0.00	0.00%
	28 Other services	0	0.00	0.00%
	29 Compactors	0	0.00	0.00%
	30 Access control	0	0.00	0.00%
	31 Gondolas	0	0.00	0.00%
	32 Stoves	0	0.00	0.00%
	33 Kitchen equipment	0	0.00	0.00%
	34 Specialised equipment	0	0.00	0.00%

ELEMENTAL SUMMARY - Output 3-ENERGY EFFICIENCY 40m² Standard Unit with double pitched roof

FLAN	40III- Stail	dard Unit with do	ouble pitched to	01	
			Total Const	ruction Area	40
					.0
	35 Security systems		0	0.00	0.00%
	36 Communication systems		0	0.00	0.00%
	37 Prefabricated cold rooms		0	0.00	0.00%
	38 Signage		0	0.00	0.00%
	39 Artwork		0	0.00	0.00%
	40 Miscellaneous items		0	0.00	0.00%
С	ALTERATIONS	0		0.00	0.00%
				0.00	0.00%
	41 Alteration		0		
D	EXTERNAL WORKS AND SERVICES	0		0.00	0.00%
	42 Soil drainage		0	0.00	0.00%
	43 Sub-surface water drainage		0	0.00	0.00%
	44 Stormwater drainage		0	0.00	0.00%
	45 Water supplies		0	0.00	0.00%
	46 Fire service		0	0.00	0.00%
	47 External electrical installations		0	0.00	0.00%
	48 Connection fees, etc		0	0.00	0.00%
	49 Demolitions		0	0.00	0.00%
	50 Site clearance		0	0.00	0.00%
	51 Earthworks		0	0.00	0.00%
	52 Boundary, screen and retaining		0	0.00	0.00%
			0	0.00	0.00%
	53 Fencing and gates54 Roads, paving, etc		0	0.00	0.00%
			0		
	55 Covered parking, walkways, etc			0.00	0.00%
	56 Pergolas, canopies, etc		0	0.00	0.00%
	57 Minor construction work		0	0.00	0.00%
	58 Pools, etc		0	0.00	0.00%
	59 Sports facilities		0	0.00	0.00%
	60 Garden works		0	0.00	0.00%
_	61 Miscellaneous items		0	0.00	0.00%
Ε	TRAINING	0		0.00	0.00%
_	62 Training	1.110	0	0.00	0.00%
F	PRELIMINARIES	1 140		28.78	8.33%
	OO Destinate and		4 4 4 0	00.70	0.000/
_	63 Preliminaries		1 140	28.78	8.33%
G	PRICE AND DETAIL DEVELOPMENT	0		0.00	0.00%
	64 Price and detail development		0	0.00	0.00%
TOTA	L IMPROVEMENT COST		13 678	345.39	100.00%
		11-11-11-11-11-11-11-11-11-11-11-11-11-			



31-Jan-13 E1496 (Outputs 2,3 & 4)

6 509

164

47.59%

COST PLAN -										
40m² Standard Unit with double pitched roof CONSTRUCTION AREA 40 m²										
	CONST	RUCTIC	IN AREA	40	m²					
	Qty	Unit	Rate	Component Cost	Elemental Total	Rate /m²	% of Cost			
A PRIMARY ELEMENTS										
					-		0.00%			
1.0 External envelope1.1 Extra over for Low E clear safety glass to windows type ND4S 1511x 1245mm										
high 1.2 Extra over for Low E clear safety glas s	2	No	958	1 916		48	14.01%			
for windows type NC4 1511x 949mm 1.3 Extra over for Low E opaque safety glass for Windows type NE1 533x 654mm high	2	No	725	1 451		37	10.61%			
	1	No	176	176		4	1.29%			
					3 543	89	25.90%			
2.0 Roofs 2.1 Extra over on 50 x 152mm Sawn SA pine (grade 6) purlin rafters for										
insulation @600 c/c	31	m	40	1 248		31.52	9.12%			
					1 248	32	9.12%			
3.0 Internal wall finishes		_								
3.1 Extra over bagging for one coat plaster	114	m²	11	1 238	1 238	31	9.05%			
					1 230	31	9.05%			
4.0 <u>Ceilings and soffits</u> 4.1 6,4mm Gypsum plasterboard ceilings including brandering (primed) fixed to										
roof beams	40	m²	135	5 400		136	39.48%			
4.2 Fibreglass ceiling insulation	40	m²	28	1 109		28	8.11%			

B SPECIALIST INSTALLATIONS

Excluded

C ALTERATIONS

Excluded

D EXTERNAL WORKS AND SERVICES

Excluded

	Qty	Unit	Rate	Component Cost	Elemental Total	Rate /m²	% of Cost
E TRAINING Excluded							
F PRELIMINARIES							
5.0 <u>Preliminaries</u>			9.09%	1 140		29	8.33%
					1 140	29	8.33%
G PRICE AND DETAIL DEVELOPMENT							
6.0 Price and detail development			00/				0.000/
6.1 Price and detail development			0%		-	-	0.00%
TOTAL IMPROVEMENT COSTS					13 678		100.00%



31-Jan-13 E1496 (Outputs 2,3 & 4)

ELEMENTAL SUMMARY - Output 4a- Electrical installation (without ceiling) 40m² Standard Unit with double pitched roof

	40m² Standard Unit with double pitched roof									
		Total Construc	40							
		Elemental Total	Rate/m² of Building Area	% of Total Cost						
Α	PRIMARY ELEMENTS 6 086	The state of the state of	153.68	91.67%						
	1 Foundations	0	0.00	0.00%						
	2 Ground floor construction	0	0.00	0.00%						
	3 Structural frame	0	0.00	0.00%						
	4 Independent structural components	0	0.00	0.00%						
	5 External envelope	0	0.00	0.00%						
	6 Roofs	0	0.00	0.00%						
	7 Internal divisions	0	0.00	0.00%						
	8 Partitions	0	0.00	0.00%						
	9 Floor finishes	0	0.00	0.00%						
	10 Internal wall finishes	0	0.00	0.00%						
	11 Ceilings and soffits	0	0.00	0.00%						
	12 Fittings	0	0.00	0.00%						
	13 Electrical installation	6 086	153.68	91.67%						
	14 Internal plumbing	0	0.00	0.00%						
	15 Fire services	0	0.00	0.00%						
	16 Balustrading, etc	0	0.00	0.00%						
	17 Miscellaneous items	0	0.00	0.00%						
В	SPECIAL INSTALLATIONS 0		0.00	0.00%						
	18 Piling	0	0.00	0.00%						
	19 Sun control screens, grilles, etc	0	0.00	0.00%						
	20 Raised access floors	0	0.00	0.00%						
	21 Special fire protection	0	0.00	0.00%						
	22 Lifts	0	0.00	0.00%						
	23 Escalators	0	0.00	0.00%						
	24 Air conditioning	0	0.00	0.00%						
	25 Ventilation	0	0.00	0.00%						
	26 Heating	0	0.00	0.00%						
	27 Special electrical installations	0	0.00	0.00%						
	28 Other services	0	0.00	0.00%						
	29 Compactors	0	0.00	0.00%						
	30 Access control	0	0.00	0.00%						
	31 Gondolas	0	0.00	0.00%						
	32 Stoves	0	0.00	0.00%						
	33 Kitchen equipment	0	0.00	0.00%						
	34 Specialised equipment	0	0.00	0.00%						
	35 Security systems	0	0.00	0.00%						

ELEMENTAL SUMMARY - Output 4a- Electrical installation (without ceiling) 40m² Standard Unit with double pitched roof

			Total Construct	40	
			Elemental Total	Rate/m² of Building Area	% of Total Cost
	36 Communication systems		0	0.00	0.00%
	37 Prefabricated cold rooms		0	0.00	0.00%
	38 Signage		0	0.00	0.00%
	39 Artwork		0	0.00	0.00%
	40 Miscellaneous items		0	0.00	0.00%
C	ALTERATIONS	0		0.00	0.00%
	41 Alteration		0	0.00	0.00%
D	EXTERNAL WORKS AND SERVICES	0		0.00	0.00%
D	42 Soil drainage		0	0.00	0.00%
	43 Sub-surface water drainage		0	0.00	0.00%
	44 Stormwater drainage		0	0.00	0.00%
	45 Water supplies	×	0	0.00	0.00%
	46 Fire service		0	0.00	0.00%
	47 External electrical installations		0	0.00	0.00%
	48 Connection fees, etc		0	0.00	0.00%
	49 Demolitions		0	0.00	0.00%
	50 Site clearance		0	0.00	0.00%
	51 Earthworks		0	0.00	0.00%
	52 Boundary, screen and retaining		0	0.00	
			0	0.00	0.00%
	53 Fencing and gates		0		0.00%
	54 Roads, paving, etc		0	0.00	0.00%
	55 Covered parking, walkways, etc		0	0.00	0.00%
	56 Pergolas, canopies, etc		0	0.00	0.00%
	57 Minor construction work		0	0.00	0.00%
	58 Pools, etc		0	0.00	0.00%
	59 Sports facilities		0	0.00	0.00%
	60 Garden works		0	0.00	0.00%
_	61 Miscellaneous items		0	0.00	0.00%
Е	TRAINING	0	0	0.00	0.00%
_	62 Training	550	0	0.00	0.00%
F	PRELIMINARIES	553	550	13.97	8.33%
	63 Preliminaries		553	13.97	8.33%
G	PRICE AND DETAIL DEVELOPMENT	0		0.00	0.00%
	64 Price and detail development		0	0.00	0.00%
TOTAL	IMPROVEMENT COST		6 639	167.65	100.00%



TOTAL IMPROVEMENT COSTS

31-Jan-13 E1496 (Outputs 2,3 & 4)

0.00%

100.00%

COST PLAN - OUTPUT 4a- Electrical installation (without ceiling) 40m² Standard Unit with double pitched roof

	CONST	RUCTIC	N AREA	40	m²		
	Qty	Unit	Rate	Component Cost	Elemental Total	Rate /m²	% of Cost
A PRIMARY ELEMENTS							
1.0 Electrical installation (without suspended ceiling) 1.1 Ready board (RBO) incl. BH with 63 Amp earth leakage relay and 2 x 20 Amp circuit breaker	1	item	1 800	1 800		45	27.11%
1.2 Polycarbonate fitting	3	No	550	1 650		42	24.85%
1.3 Wellglass BH	1	No	430	430		11	6.48%
1.4 1-lever switch 1.5 16 Amp socket outlets	3	No No	50 80	150 240		4 6	2.26% 3.61%
1.6 Twin & earth 2,5 cable	21	m	15	305		8	4.59%
1.7 Twin & earth 1mm cable	30	m	12	360		9	5.42%
1.8 25mm PVC trunking	6	m	42	239		6	3.61%
1.9 20mm PVC conduit 1.10 100 x 100mm PVC box	51 3	m No	40 15	2 040 45		52 1	30.73% 0.68%
1.11 50 x 100mm PVC box	4	No	14	56		1	0.84%
1.12 14 Watt - CFL lamps	5	No	50	250		6	3.77%
1.13 Conduit saddles 1.14 Earth electrode	15 1	m	100	100		- 2	0.00%
1.14 Earth electrode 1.15 Supply cable (allowance)	1	item item	1 200	1 200		3 30	1.51% 18.07%
1.16 Omit orignal allowance	(1)	item	2 779	(2 779)		(70)	-41.86%
B SPECIALIST INSTALLATIONS Excluded							
C ALTERATIONS Excluded							
D EXTERNAL WORKS AND SERVICES Excluded							
E TRAINING							
62.0 <u>Miscellaneous items</u> 62.1 Additional preliminaries		m²		-		-	0.00%
62.2 Institutional training 62.3 Practical training		m² %	_	-		-	0.00% 0.00%
02.3 Fractical training		70			-		0.00%
F PRELIMINARIES							0.0070
00 0 Proliminarias			0.000/	EEO		4.4	0.000/
63.0 <u>Preliminaries</u>			9.09%	553	553	14 14	8.33% 8.33%
G PRICE AND DETAIL DEVELOPMENT							0.0070
64.0 Price and detail development 64.1 Price and detail development			0%	<u>-</u>		-	0.00%

6 639



34 Specialised equipment

35 Security systems

31-Jan-13 E1496 (Outputs 2,3 & 4)

0.00%

0.00%

0.00

ELEMENTAL SUMMARY - Output 4b- Electrical installation (with ceiling) 40m² Standard Unit with double pitched roof **Total Construction Area** 40 **Elemental** Rate/m² of % of Total Total **Building Area** Cost **PRIMARY ELEMENTS** 4 030 101.77 91.67% 0.00% 1 Foundations 0 0.00 2 Ground floor construction 0 0.00 0.00% 0 3 Structural frame 0.00 0.00% 0 0.00 0.00% 4 Independent structural components 0 0.00% 5 External envelope 0.00 0 6 Roofs 0.00 0.00% 0 0.00% 0.00 7 Internal divisions 0 8 Partitions 0.00 0.00% 0 0.00% 9 Floor finishes 0.00 0 0.00% 0.00 10 Internal wall finishes 0 0.00 0.00% 11 Ceilings and soffits 0 0.00% 12 Fittings 0.00 4 030 91.67% 101.77 13 Electrical installation 14 Internal plumbing 0 0.00 0.00% 0 0.00 0.00% 15 Fire services 0 0.00 0.00% 16 Balustrading, etc 0 17 Miscellaneous items 0.00 0.00% **SPECIAL INSTALLATIONS** R 0.00 0.00% 18 Piling 0 0.00 0.00% 0 0.00 0.00% 19 Sun control screens, grilles, etc 0 0.00 0.00% 20 Raised access floors 0 0.00 0.00% 21 Special fire protection 22 Lifts 0 0.00 0.00% 0 23 Escalators 0.00 0.00% 24 Air conditioning 0 0.00 0.00% 25 Ventilation 0 0.00 0.00% 0 0.00 0.00% 26 Heating 0.00% 0 0.00 27 Special electrical installations 28 Other services 0 0.00 0.00% 0 0.00% 29 Compactors 0.00 0 30 Access control 0.00 0.00% 31 Gondolas 0.00 0.00% 32 Stoves 0 0.00 0.00% 0 0.00% 33 Kitchen equipment 0.00

0

0

ELEMENTAL SUMMARY - Output 4b- Electrical installation (with ceiling) 40m² Standard Unit with double pitched roof

			Total Construc	tion Area	
			Elemental Total	Rate/m² of Building Area	% of Total Cost
	36 Communication systems		0	0.00	0.00%
	37 Prefabricated cold rooms		0	0.00	0.00%
	38 Signage		0	0.00	0.00%
	39 Artwork		0	0.00	0.00%
	40 Miscellaneous items	_	Û	0.00	0.00%
С	ALTERATIONS	Ð		0.00	0.00%
	41 Alteration		0	0.00	0.00%
	EXTERNAL WORKS AND SERVICES	0		0.00	0.00%
D		经 上流运出			
	42 Soil drainage		0	0.00	0.00%
	43 Sub-surface water drainage		0	0.00	0.00%
	44 Stormwater drainage		0	0.00	0.00%
	45 Water supplies		0	0.00	0.00%
	46 Fire service		0	0.00	0.00%
	47 External electrical installations		0	0.00	0.00%
	48 Connection fees, etc		0	0.00	0.00%
	49 Demolitions		0	0.00	0.00%
	50 Site clearance		0	0.00	0.00%
	51 Earthworks		0	0.00	0.00%
	52 Boundary, screen and retaining		0	0.00	0.00%
	53 Fencing and gates		0	0.00	0.00%
	54 Roads, paving, etc		0	0.00	0.00%
	55 Covered parking, walkways, etc		0	0.00	0.00%
	56 Pergolas, canopies, etc		0	0.00	0.00%
	57 Minor construction work		0	0.00	0.00%
	58 Pools, etc		0	0.00	0.00%
	59 Sports facilities		0	0.00	0.00%
	60 Garden works		0	0.00	0.00%
	61 Miscellaneous items		0	0.00	0.00%
Ε	TRAINING	0		0.00	0.00%
	62 Training		0	0.00	0.00%
F	PRELIMINARIES	366		9.25	8.33%
	63 Preliminaries		366	9.25	8.33%
G	PRICE AND DETAIL DEVELOPMENT	0		0.00	0.00%
•	64 Price and detail development		0	0.00	0.00%
ATC	L IMPROVEMENT COST		4 396	111.02	100.00



31-Jan-13 E1496 (Outputs 2,3 & 4)

COST PLAN - OUTPUT 4b- Electrical installation (with ceiling) 40m² Standard Unit with double pitched roof

CONSTRUCTION AREA

Qty Unit Rate Component Elemental Rate % of Cost Total /m² Cost

40

A PRIMARY ELEMENTS

PRIMARY ELEMENTS							
1.0 Electrical installation (with suspended							
ceiling)							
1.1 Ready board (RBO) incl. BH with							
63 Amp earth leakage relay and 2							
x 20 Amp circuit breaker	1	item	1 800	1 800		45	40.94%
1.2 Polycarbonate fitting	3	No	550	1 650		42	37.53%
1.3 Wellglass BH	1	No	430	430		11	9.78%
1.4 1-lever switch	3	No	50	150		4	3.41%
1.5 16 Amp socket outlets	3	No	80	240		6	5.46%
1.6 Twin & earth 2,5 cable	20	m	15	290		7	6.60%
1.7 Twin & earth 1mm cable	6	m	12	72		2	1.64%
1.8 25mm PVC trunking	3	m	42	126		3	2.87%
1.9 20mm PVC conduit	10	m	40	400		10	9.10%
1.10 100 x 100mm PVC box	3	No	15	45		1	1.02%
1.11 50 x 100mm PVC box	4	No	14	56		1	1.27%
1.12 14 Watt - CFL lamps	5	No	50	250		6	5.69%
1.13 Conduit saddles	15	m	-	-		-	0.00%
1.14 Earth electrode	1	item	100	100		3	2.27%
1.15 Supply cable (allowance)	1	item	1 200	1 200		30	27.30%
1.16 Omit orignal allowance	(1)	item	2 779	(2 779)		(70)	-63.21%
_					4 030	102	91.67%

B SPECIALIST INSTALLATIONS

Excluded

C ALTERATIONS

Excluded

D EXTERNAL WORKS AND SERVICES

Excluded

E TRAINING

F PRELIMINARIES

63.0 <u>Preliminaries</u>		9.09%	366		9	8.33%
				366	9	8.33%
G PRICE AND DETAIL DEVELOPMENT						
64.0 Price and detail development 64.1 Price and detail development	g.	0%	2		_	0.00%
				-	-	0.00%
TOTAL IMPROVEMENT COSTS				4 396		100.00%