

Bill 1 Preliminaries
Section 1 Preliminaries

Item	<u>QUANTITY</u>	<u>UNIT</u>	<u>RATE</u>	<u>AMOUNT</u>
				\$ c
<u>PRELIMINARIES</u>				
<u>Contingency</u>				
client general contingency				
A		construction; (10%)	item	
<u>A10 PROJECT PARTICULARS</u>				
<u>Sign Board</u>				
Allow for the supply and installation of site Sign Board				
B		details to be provided by the project manager	item	
<u>A12 THE SITE/EXISTING BUILDINGS</u>				
<u>Existing buildings on or adjacent to the site</u>				
C		allow for protecting existing structures	item	
<u>A20 THE CONTRACT/SUB-CONTRACT</u>				
<u>Conditions of contract or sub-contract</u>				
Form of contract				
D		see separately attached form of contract	item	
<u>A33 QUALITY STANDARDS/CONTROL</u>				
<u>Standards of materials and work</u>				
Samples and testing				
E		generally	item	
<u>Environmental and Social monitoring</u>				
F		generally	item	

To Collection \$

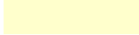
Bill 1 Preliminaries
Section 1 Preliminaries

Q U R

Item


A34 SECURITY/SAFETY/PROTECTION

Employers requirements or limitations

A allow for site safety including noise control; safety to workers item 

A36 FACILITIES/TEMPORARY WORKS/SERVICES

Include the following

B Site telephone; site security and lighting; site water item 

A40 MANAGEMENT AND STAFF

Provided by the contractor

Contractor's all risk Insurance and Welfare

C generally item 

Site supervision


D generally item 

Programming, reporting and production

E generally item 

A41 SITE ACCOMMODATION


Provided by the contractor

F including offices, sanitary facilities and site storage item 

A43 MECHANICAL PLANT

Provided by the contractor

Plant tools and equipment

G generally item 

Transport

H transportation of materials item 

To Collection \$

Bill 1 Preliminaries
Section 1 Preliminaries

Q U

Item

A44 TEMPORARY WORKS

Provided by the contractor

Access scaffolding

A generally

item



Hoardings fans fencing etc

B generally

item



To Collection \$



Page 1

Page 2

Page 3

To Summary \$



141022NEMO

Page 1/1-3

Bill 1 Preliminaries
Section 1 Preliminaries

Item

Section 1 Preliminaries

Page 3

To Summary \$

141022NEMO

Page 4

Bill 2 Existing Building
Section 1 Demolition

	<u>QUANTITY</u>	<u>UNIT</u>	<u>RATE</u>	<u>AMOUNT</u>
Item				\$ c
<u>NOTES</u>				
<u>Notes</u>				
A			The contractor is to protect all existing structure during the life of the project	
<u>C90 ALTERATIONS - SPOT ITEMS</u>				
<u>Existing external walls</u>				
			Remove existing metal wall cladding	
A			allow for the full removal existing metal cladding including fasteners; to external walls; allow for making good disturbed areas; dispose off site; (area 2864sf)	item
<u>C20 DEMOLITION</u>				
<u>Demolish existing electrical</u>				
			Allow for demolition and removal off site existing electrical; including wiring and cable; trunkings; panels and breakers; switches; lighting and outlets;	
B			generally; all in accordance with engineer details and specifications	item
<u>C90 ALTERATIONS - SPOT ITEMS</u>				
<u>Allow for repairing roof;</u>				
			Allow for repairing to roof; including for removing replacing all existing galvanized screws roof with stainless screws (100%); remove and replace existing damaged galvanized roof covering (30%); remove and replace fiber insulated ceiling (40%); all as per engineer specifications and details	
C			generally; to be determined on-site	item

To Collection \$

Bill 2 Existing Building
Section 1 Demolition and Alteration

Quantity Unit

Item

Allow for repairing external walls

Repair to existing concrete and masonry surfaces

generally; including cleaning with wire brush or other equal and approved method; and removing debris from surface; apply Weldcrete or similar other approved concrete bonding agent to surface; sand cement mortar mix (1:3) 1/2" thick; fibermesh reinforcement (15lbs per cy); all to engineering detail and specification; finish to match existing wall surfaces;

A (area 240sf) item

Allow for repairing cracked walls

Repair to existing concrete and masonry surfaces

generally; including cleaning and removing debris from surface; enlarge cracks approximately 1" deep, creating a "V" shape; apply Weldcrete or similar other approved concrete bonding agent; sand cement mortar mix (1:3); all to engineering detail and specification; finish to match existing wall surfaces; (area 100sf)

B wall surfaces; (area 100sf) item

G20 CARPENTRY/TIMBER FRAMING/FIRST FIXING

Fixing devices

Hurricane Straps

ML24Z hurricane straps; angle bracket bolted fixed to every rafter

C rafter item

To Collection \$

120922NEMO

Bill 2 Existing Building
Section 1 Demolition and Alteration

Quantity Unit

Item

M60 PAINTING/CLEAR FINISHING

Prepare and apply; one undercoat and two full finish coats flat emulsion paint; brush or roller applied

Masonry and concrete surfaces

A over 12" (300) girth 27 sy

R10 RAINWATER PIPEWORK/GUTTERS

Downpipe

PVC gutterwork; fittings and all cutting and pinning

B 6" diameter; nominal size 20 ly

Gutterwork

PVC gutterwork; fittings and all cutting and pinning

C 5" half round; nominal size 80 ly

To Collection \$

Page 5

Page 6

Page 7

To Summary \$

120922NEMO

Page 2/1-7

Bill 2 Existing Building
Section 2 Substructure

Quantity Unit

Item

D20 EXCAVATING AND FILLING

Excavating

Trenches not exceeding 12" wide

A maximum depth not exceeding 3'-0"; tie beam; in RC slab. 44 cy

Disposal

Excavated material

B off site 44 cy

Surface treatments

Compacting bottoms of excavations

C to falls; less than 15 degrees from horizontal 66 sy

E10 MIXING/CASTING/CURING IN SITU CONCRETE

Reinforced concrete mix (3750 psi in 28 days); all in accordance with engineers details and specifications

Slabs

D thickness; 6" 89 cy

Isolated deep beams

E reinforced in excess of 5% 44 cy

E20 FORMWORK FOR IN SITU CONCRETE

Formwork

Beams attached to slabs

F rectangular 263 sy

To Collection \$

120922NEMO

Page 2/2-8

Bill 2 Existing Building
Section 2 Substructure

Quantity Unit

Item

E30 REINFORCEMENT FOR IN SITU CONCRETE

Reinforcement; High tensile bars; all in accordance with engineers details and specifications

Bars

- | | | |
|---|----------------------------|---------|
| A | 3/8" diameter nominal size | 1447 lb |
| B | 3/4" diameter nominal size | 3552 lb |

Fabric

Steel fabric mesh reinforcement with 6" end and slide laps (measured net allow for laps)

- | | | |
|---|----------------|---------|
| C | layer BRC A142 | 1069 sy |
|---|----------------|---------|

E40 DESIGNED JOINTS FOR IN SITU CONCRETE

Construction Joints

construction joints; 40mmx40mm keyway; located at mid-height of slab; detailed and construction in accordance with

- | | | |
|---|------------------|-------|
| D | Engineers detail | 66 ly |
|---|------------------|-------|

M10 CEMENT:SAND/CONCRETE SCREEDS/TOPPINGS

Cement-sand

Floors

- | | | |
|---|---|--------|
| E | level or to falls only not exceeding 15 degrees from horizontal | 534 sy |
|---|---|--------|

To Collection \$

Page 8

Page 9

To Summary \$

Bill 2 Existing Building
Section 3 External Walls

Quantity Unit

Item

K10 PLASTERBOARD DRY
LINING/PARTITIONS/CEILINGS

Water resistant Gypsum board 5/8" thick tapered edge; faced
one side; joints filled, taped seamless finish; in accordance
with the manufacturer's instructions to receive direct
decorations; fixed to existing metal Z purlins;

External walls

- | | | |
|---|-------------------------------|-------|
| A | average 8'-0" to 14'-0"; high | 80 ly |
| B | average 11'-8" to 13'-3" high | 27 ly |

Abutments

- | | | |
|---|--------------------------------|-------|
| C | generally; to masonry surfaces | 47 ly |
|---|--------------------------------|-------|

M60 PAINTING/CLEAR FINISHING

Prepare and apply; one undercoat and two full finish coats flat
emulsion paint; brush or roller applied

Masonry and concrete surfaces

- | | | |
|---|------------------------------------|-------|
| D | over 12" (300) girth; security hut | 72 sy |
|---|------------------------------------|-------|

Gypsum surfaces

- | | | |
|---|--|--------|
| E | over 12" (300) girth; mildew resistant | 366 sy |
|---|--|--------|

To Summary \$

120922NEMO

Page 2/3-10

Bill 2 Existing Building
Section 4 Internal Walls

Item	Quantity	Unit	Rate	\$	c
<u>E10 MIXING/CASTING/CURING IN SITU CONCRETE</u>					
<u>Reinforced concrete mix (3000 psi in 28 days); all in accordance with engineers details and specifications</u>					
Filling hollow walls					
A	concrete filling to single core of wall	65	sy		
<u>E30 REINFORCEMENT FOR IN SITU CONCRETE</u>					
<u>Reinforcement; High tensile bars; all in accordance with engineers details and specifications</u>					
Bars					
B	1/2" diameter nominal size; blockwork	330	lb		
<u>Reinforcement</u>					
Special joints					
Durowall (Brickforce) or equal approved heavy duty galvanised steel reinforcement; metal mesh reinforcement with 6" laps at ends and corners (measured net, allow for laps); 6" wide strip					
C		126	ly		
<u>F10 BRICK/BLOCK WALLING</u>					
<u>Hollow precast concrete blocks size; 16" long x 8" high; bedded and jointed in cement mortar (1:4); reinforced with high yield bars (reinforcement measured separately)</u>					
Walls					
D	6" thick walls; vertical	65	sy		

To Collection \$

Bill 2 Existing Building
Section 4 Internal Walls

	Quantity	Unit	Rate	
Item				\$ c
<u>F30 ACCESSORIES/SUNDRY ITEMS FOR BRICK/BLOCK/STONE WALLING</u>				
<u>Bonding to masonry and concrete surfaces</u>				
Abutments				
A				item
allow for abutments between existing metal surfaces and masonry surfaces; vertically				
<u>K10 PLASTERBOARD DRY LINING/PARTITIONS/CEILINGS</u>				
<u>Gypsum board 1/2" thick tapered edge faced both sides; joints filled, taped seamless finish; in accordance with the manufacturer's instructions to receive direct decorations; fixed to and including 1 1/4"x3 1/2" metal stud frame; approx. 2'-0" o/c</u>				
Internal walls				
B			9 ly	
average 8'-0" to 12'-6" high				
Tee junctions				
C			8 ly	
generally				
Abutments				
D			8 ly	
generally; to masonry surfaces				
External angles				
E			8 ly	
generally				
<u>M20 PLASTERED/RENDERED/ROUGHCAST COATINGS</u>				
<u>Plasticised cement and sand (1:3) rendering 1/2" thick</u>				
Walls				
F			131 sy	
over 12" wide; vertical				

To Collection \$

Bill 2 Existing Building
Section 4 Internal Walls

Item	Quantity	Unit	Rate	\$	c
<u>M60 PAINTING/CLEAR FINISHING</u>					
<u>Prepare and apply; one primer and two full finish coats</u> <u>emulsion paint; brush or roller applied</u>					
Concrete surfaces					
A	over 12" (300)	girth	131	sy	
Gypsum surfaces					
B	over 12" (300)	girth; gypsum surfaces	153	sy	
<u>P10 SUNDRY INSULATION/PROOFING WORK/FIRE</u> <u>STOPS</u>					
<u>Insulation</u>					
5" thick mineral fiber batt insulation; compressed; or other equal and approved by the Architect					
C	vertical; to	gypsum wall cavities	33	sy	

To Collection \$

COLLECTION

Page 11

Page 12

Page 13

To Summary \$

Bill 2 Existing Building
Section 5 Windows and Doors

Quantity Unit

Item

G20 CARPENTRY/TIMBER FRAMING/FIRST FIXING

Pitch pine; wolmanised dressed

Door Frames

- | | | |
|---|--|-------|
| A | 2"x6"; screwed fixed to masonry surfaces | 28 ly |
| B | door stop; 1 1/2" x 1/2" | 28 ly |

L20 DOORS/SHUTTERS/HATCHES

Metal door: Solid Core Aluminium door; including louvre vents; including aluminium frames and ironmongery; pre-painted; all in accordance with Architects details and specifications;

Doors with frames

- | | | |
|---|--------------------------------|------|
| C | overall size; 3'-0"x6'-10"; D2 | 2 nr |
|---|--------------------------------|------|

Shower door: glass shower door including sliding tracks and metal frames; pre-finish; all in accordance with Architects details and specifications;

Doors

- | | | |
|---|---------------------------|------|
| D | overall size; 5'-0"x6'-0" | 2 nr |
|---|---------------------------|------|

Pine solid timber panel doors ; painted finish both sides; all in accordance with Architects details and specifications;

Doors

- | | | |
|---|-------------------------------|------|
| E | overall size; 2'-8"x6'-8"; D1 | 5 nr |
|---|-------------------------------|------|

M60 PAINTING/CLEAR FINISHING

Prepare and apply; one primer and two full finish coats oil paint; brush or roller applied

Timber surfaces

- | | | |
|---|-----------------------------------|-------|
| F | over 300 girth; concrete surfaces | 29 sy |
|---|-----------------------------------|-------|

To Collection \$

Bill 2 Existing Building
Section 5 Windows and Doors

Quantity Unit

Item

P21 IRONMONGERY

Ironmongery; stainless steel Europrofile upright sash lock with square face plate; or other equal and approved to match existing; fix to softwood or hardwood;

Ironmongery

A Lever handle and dead bolt 4 nr

Ironmongery; Mortise Lock and Latch; stainless steel European Sash lock; Backset; double throw deadbolt; easy reversible latch; or other equal and approved to match existing; fix to softwood or hardwood;

Ironmongery

B Mortise lock and latch 7 nr

Ironmongery; stainless steel butt hinge 102x102x3mm BS EN 1935; or other equal and approved to match existing; fix to softwood or hardwood;

Ironmongery

C 6" heavy duty hinges 24 nr

Ironmongery

Solid stainless steel door closer; Hold open to 90 degrees with cushion back check; Supply deliver and install to timber doors; all in accordance with manufacturers details and specifications

D Overhead door closer; aluminium; D-3550/ D-3551 series 7 nr

Signage

E Fire hazard signage; 'Fortmat' Ref.# 4266-40, #4203-40 3 nr

To Collection \$

120922NEMO

Page 2/5-15

Bill 2 Existing Building
Section 5 Windows and Doors

Item

\$ c
COLLECTION

Page 14

Page 15

To Summary \$

120922NEMO

Page 2/5-16

Bill 2 Existing Building
Section 6 Fittings and Fixtures

Quantity Unit Rate

Item

\$ c

L40 GENERAL GLAZING

Mirror

3/4" Polish plated glass; to be purchased locally; timber frame
gloss painting

A pane 3'-6" x 2'-6" 3 nr

N10 GENERAL FIXTURES/FURNISHINGS/EQUIPMENT

Vanity units

Vanity units; 2"x2" timber bearers supports and frames, with
cross members; solid surface countertop or similar approved
on and including timber brackets; plywood sides and facing;
timber doors and ironmongery; painted finish; fixed to
masonry surfaces; all in strict accordance with Architects
details and specifications

B generally; 24" wide 2 ly

To Collection \$

120922NEMO

Page 2/6-17

Bill 2 Existing Building
Section 6 Fittings and Fixtures

Item	Quantity	Unit	Rate	\$	c
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N11 DOMESTIC KITCHEN FITTINGS

Timber Kitchen Units: 3/4" x 1 1/2" treated green heart bearer; 1/2" thick treated cedar ply drawer bottom sides and panel; metal drawer slides; 3/4" thick treated plywood shelving painted finish, fixed to and including 1"x2" treated green heart bearers; 3/4" thick treated plywood base fixed to and including 1 1/2"x6" treated green heart bearer; painted finish drawer front; 3/4"x3/4" treated green heart runner; 3/4" tick treated cedar plywood cabinetry door laminate outer face and painted inner face, including all stainless steel ironmongery; timber doors painted finish; Granite countertop with back splash; fixed to masonry surface; all in accordance with Architect details and specification

Base units

A	generally; 24" wide	4	ly	3255.00	
---	---------------------	---	----	---------	--

Wall units

B	12" wide	3	ly		
---	----------	---	----	--	--

N13 SANITARY APPLIANCES/FITTINGS

Towel Bar

Bobrick towel bar; B-545; B-5456

C	fixed to masonry surfaces; all in accordance with manufacturers details and specifications	4	nr		
---	--	---	----	--	--

To Collection \$

Bill 2 Existing Building
Section 6 Fittings and Fixtures

	Quantity	Unit	Rate	\$	c
Item					
<u>Soap dispenser</u>					
Bobrick automatic wall-mounted soap dispenser; B-2012					
A		fixed to masonry surfaces; all in accordance with manufacturers details and specifications	2 nr		
<u>Hand Dryer</u>					
Bobrick InstraDry Surface-Mounted automatic hand dryer; B-7125					
B		fixed to masonry surfaces; all in accordance with manufacturers details and specifications	2 nr		

To Collection \$

COLLECTION

Page 17

Page 18

Page 19

To Summary \$

Bill 2 Existing Building
Section 7 Finishes

	Quantity	Unit	Rate		
Item				\$	c
<u>E41 WORKED FINISHES/CUTTING TO IN SITU CONCRETE</u>					
<u>Mechanical finish</u>					
Power floating					
A	to concrete finish		475 sy		
<u>K40 DEMOUNTABLE SUSPENDED CEILINGS</u>					
<u>Suspended ceilings</u>					
Suspended ceiling acoustic tile system; Tegular ceiling grid; allow for metal frames and supports; include for the complete installation; all in strict accordance with Architect's specifications and details					
B	over 12" wide; suspension 3'-0" to 6'-0" average depth		53 sy		
<u>M20 PLASTERED/RENDERED/ROUGHCAST COATINGS</u>					
<u>Joint Compound</u>					
Ceilings					
C	over 12" wide; underside of concrete ceiling		5 sy		
<u>M40 STONE/CONCRETE/QUARRY/CERAMIC TILING/MOSAIC</u>					
<u>Polish Ceramic tiling</u>					
Walls					
6"x18" tiling; including adhesive and grout; include for the complete installation; all in strict accordance with Architect's specifications and details					
D			17 sy		

To Collection \$

Bill 2 Existing Building
Section 7 Finishes

Quantity Unit Rate

Item

\$ c

Porcelain Tiling

Floors

- A Crossville 12"x12" non-skid porcelain floor tiling; including adhesive and grout; include for the complete installation; all in strict accordance with Architect's specifications and details 59 sy

M60 PAINTING/CLEAR FINISHING

Prepare and apply; one undercoat and two full finish coats flat emulsion paint; brush or roller applied

Masonry and concrete surfaces

- B over 12" underside of concrete ceiling; security hut 5 sy

Prepare and apply Epoxy paint application; or equal and approved

Concrete surfaces

- C over 12" (300) girth 6 sy

To Collection \$

COLLECTION

Page 20

Page 21

To Summary \$

120922NEMO

Page 2/7-21

Bill 2 Existing Building
Section 8 Electrical Installation

Quantity Unit Rate

Item

\$ c

NOTES

Notwithstanding the SMM7 rule; the contractor is to allow herein the pricing of his works in connection with the entire lighting and power installation, and builders works in connection with the Electrical works thereof; all in strict accordance with the Electrical details and specifications.

A

P31 HOLES/CHASES/COVERS/SUPPORTS FOR ELECTRICAL SERVICES

Notwithstanding SMM7, the condition and particulars of the contract; the contractor is to allow for Builders work in connection with services; including relocating switches, light fixtures and outlets; including blocking off conduits boxes etc; all in accordance with details and specifications

Allow for cutting away holes, mortices, chases, etc., in concrete or blockwork for the following and afterwards make good:-

B generally

item

V20 LV DISTRIBUTION

Notwithstanding the SMM7, and the general condition and the particulars of the contract the Contractor is to Supply and Install; Panels, breakers and power distribution panelboards; all in accordance with the Laws of SVG and the engineers details and specifications

Panels, breakers and power distribution

C generally; 110 circuit breaker

item

D generally; 220 circuit breaker

item

To Collection \$

Bill 2 Existing Building
Section 8 Electrical Installation

Quantity Unit Rate

Item

\$ c

V21 GENERAL LIGHTING

Lights

Supply, deliver and install the electrical lights fixtures; complete with the necessary fittings and fixture as indicated of drawings;

- | | | | |
|---|---|----|----|
| A | LED 4'-0" fixture-2 tube | 33 | nr |
| B | LED two head emergency light with battery back-up | 4 | nr |
| C | floor lamp | 2 | nr |

V22 GENERAL LV POWER

Cables

Notwithstanding SMM7, conditions and particulars of the contract the Contractor is to, Supply, deliver and install the electrical material viz., all cables and wires; for the entire electrical

generally; wires and wiring; including all cable glands; fitting, fixtures and all accessories; all in accordance with

- | | | | |
|---|--|--|------|
| D | engineering details and specifications | | item |
|---|--|--|------|

Step-down transformer

Notwithstanding the SMM7, and the general condition and the particulars of the contract, the contractor is to supply and install; step-down transformer; all in accordance with the laws of SVG and the design and Engineer specification

- | | | | |
|---|-----------------------|---|----|
| E | Step-down transformer | 1 | nr |
|---|-----------------------|---|----|

To Collection \$

Bill 2 Existing Building
Section 8 Electrical Installation

Item	Quantity	Unit	Rate	\$	c
<u>Termination points</u>					
Supply, deliver and install the termination points and switch points; complete with the necessary fittings and fixture					
A Ridge exhaust fan	5	nr			
B 2 gang; 2 way switch	1	nr			
C 110v wall power outlet; double socket	12	nr			
D quadruple two way switch	2	nr			
E single gang switch	2	nr			
F 220v wall power outlet; double socket	12	nr			
G 220v wall power outlet; AC outlet	2	nr			
H 240v wall power outlet; double socket; waterproof	1	nr			
Ground rods					
I copper bond earth rods with inspection box including cover	1	nr			
<u>Panels, breakers and power distribuion</u>					
Distribution panels and power distribuion complete with the necessary fittings and fixture					
J 3 phase meter base	1	nr			
<u>Electrical Installation</u>					
Notwithstanding SMM7, the condition and particulars of the contract, the Contractor shall Allow for providing works for telecommunications; including all builders work; all to the approval of the Engineer					
K generally		item			

To Collection \$

Bill 2 Existing Building
Section 8 Electrical Installation

Quantity Unit Rate

Item

\$ c

Notwithstanding SMM7, the conditions and particulars of the Contract the Contractor is to, supply, deliver and install connection of electrical main from existing electrical pole to building, including statutory undertakers; works to existing building; testing and commissioning; including excavation and earthworks, all builders work; Armored cable and conduits; all to the approval of the Engineer/Contract administrator

A generally; underground item

PVC conduits; include for couplings, connectors and solvent

Notwithstanding SMM7, conditions and particulars of the contract the Contractor is to Supply, deliver and install the electrical material viz., conduits, coupling, connectors and solvent; as indicated of drawings.

B generally; pipe work and including all fittings fixtures and accessories item

To Collection \$

COLLECTION

Page 22

Page 23

Page 24

Page 25

To Summary \$

Bill 2 Existing Building
Section 9 Plumbing Installation

Quantity Unit Rate

Item

\$ c

NOTES

Notwithstanding the SMM7 rule; the contractor is to allow here in the pricing of his works; Plumbing works and builders works in connection with the Plumbing works thereof; all in strict accordance with service Engineer's details and specifications.

A

N13 SANITARY APPLIANCES/FITTINGS

Fittings; equipment, and appliances associated with services

Wall hang wash-hand basin

American Standard vitreous China or other equal and approved; fixed to masonry surface; mastic sealant; including Bobrick counter-mounted design series automatic faucet; B-

B 887

1 nr

W.C. suite

American Standard; Tofino Concealed trapway dual flush elongated one piece; Vitreous China; water closet (W.C); complete with seat and cover and flushing valves; and including for all fixings; fastenings and plugging; mastic sealant; fittings and fixture

C

3 nr

Vanity type wash-hand basin

American Standard vitreous China or other equal and approved; fixed to masonry surface; mastic sealant; including Bobrick counter-mounted design series automatic faucet; B-

D 887

2 nr

To Collection \$

Bill 2 Existing Building
Section 9 Plumbing Installation

	Quantity	Unit	Rate	\$	c
Item					
Kitchen Sink					
A					
American Standard; or other equal and approved; 18 gauge stainless steel kitchen sink; double bowl; complete with hot and cold water faucet, and other fixings, fastenings and plugging etc.					
	1	nr			
B					
Shower					
Shower base and shower Glacier Bay ABS single function round shower head; model nr. 58008-0401; including all accessories.					
	2	nr			
C					
Toilet paper dispenser					
Bobrick; Fino collection surface mounted; single jumbo- toilet roll holder; B-9890 include for fastenings and plugging					
	3	nr			
<u>P31 HOLES/CHASES/COVERS/SUPPORTS FOR PLUMBING SERVICES</u>					
<u>Builders work in connection with services</u>					
Allow for cutting away holes, mortices, chases, etc., in concrete or blockwork for the following and afterwards make good:-					
D					
generally					
		item			
<hr/>					
To Collection \$					

Bill 2 Existing Building
Section 9 Plumbing Installation

Quantity Unit Rate

Item

\$ c

R11 FOUL DRAINAGE ABOVE GROUND

PVC schedule 40 pipes and fittings; drain waste and vent quality; PVC collars and solvent cement joints; in running lengths

Notwithstanding SMM7, conditions and particulars of the contract the Contractor is to supply deliver and install Waste, soil and vent pipe; include for all fittings, cutting and pinning as indicated by the Plumbing drawings

- | | | |
|---|--|------|
| A | general pipework; all in accordance with engineer details and specifications | item |
| | Extra over for | |
| B | connection to shower | 2 nr |
| C | connection to WC | 3 nr |
| D | connection to sinks | 3 nr |
| E | clean out | item |

S10 COLD WATER

PVC schedule 40 pipes and fittings; cold water distribution pipes; PVC sch 40 collars and solvent cement joints; in running length

Notwithstanding SMM7, conditions and particulars of the contract the Contractor is to supply deliver and install cold-water distribution pipes; include pinning as indicated by the plumbing drawings

- | | | |
|---|--|------|
| F | general pipework; all in accordance with the engineer details and specifications | item |
|---|--|------|

To Collection \$

Bill 2 Existing Building
Section 9 Plumbing Installation

	Quantity	Unit	Rate		
Item				\$	c
Extra over for					
A connection to shower	2	nr			
B connection to WC	3	nr			
C connection to sinks	3	nr			
<u>Allow for connection to water main; including testing and commissioning all plumbing</u>					
Statutory undertakers					
D generally		item			
<u>Water tanks/cisterns</u>					
Plastic PVC water storage tanks; 2nr 1000 gals; including pumps, accessories, fittings					
E supply and install; including all fitting and fixture		item			

To Collection \$

COLLECTION

Page 26

Page 27

Page 28

Page 29

To Summary \$

Bill 2 Existing Building
Section 10 Fire and Security system

	Quantity	Unit	Rate		
Item				\$	c
<u>S70 GAS FIRE FIGHTING</u>					
<u>Fire Extinguisher</u>					
Allow for the supply and installation of hand-held Fire Extinguisher (foam)					
A		generally; wall mounded including plugging fixed to masonry surfaces	3	nr	
<u>W41 SECURITY DETECTION AND ALARM</u>					
<u>Notwithstanding the SMM7, and the general condition and the particulars of the contract the Contractor is to Supply and Install; Security alarm system; all in accordance with the Laws of SVG and the engineers details and specifications</u>					
Honeywell Ademco 6160RF security system; including keypad, long range sensor IS25100TC; Sounder; wires and cables; conduits and trunking, detectors; all in accordance with manufacturers and engineers details and specifications					
B		Installed in conjunction with drawings nr. E-02		item	
<u>Sundries</u>					
Fire and hazard signage					
C		Format Ref #4266-40, #4203-40	3	nr	

To Collection \$

Bill 2 Existing Building
Section 10 Fire and Security system

Quantity Unit Rate

Item

\$ c

W50 FIRE DETECTION AND ALARM

Notwithstanding the SMM7, and the general condition and the particulars of the contract the Contractor is to Supply and Install; Fire detection and alarm system; all in accordance with the Laws of SVG and the engineers details and specifications

Honeywell Fire Lite Alarms; including control panels, wires and cables; conduits and trunking, detectors; all in accordance with manufacturers and engineers details and specifications

A Installed in conjunction with drawings nr. E-02 item

To Collection \$

COLLECTION

Page 30

Page 31

To Summary \$

120922NEMO

Page 2/10-31

Bill 2 Existing Building
Section 10 Fire and Security system

Item

\$ c
SUMMARY

Section 1 Demolition and Alteration Page 7

Section 2 Substructure Page 9

Section 3 External Walls Page 10

Section 4 Internal Walls Page 13

Section 5 Windows and Doors Page 16

Section 6 Fittings and Fixtures Page 19

Section 7 Finishes Page 21

Section 8 Electrical Installation Page 25

Section 9 Plumbing Installation Page 29

Section 10 Fire and Security system Page 31

To Summary \$

120922NEMO

Page 32

Bill 3 Substructure- New Extension
Section 1 Substructure

Item	QUANTITY	UNIT	RATE	AMOUNT
<u>D20 EXCAVATING AND FILLING</u>				
<u>Excavating</u>				
To reduce levels				
A	excavate over site to remove vegetable soil; disposal off site Pits 44 nr	168	cy	
B	maximum depth not exceeding 6'-0". Trenches exceeding 12" wide	104	cy	
C	maximum depth not exceeding 4'-0". Extra over excavation irrespective of depth for excavating	196	cy	
D	rocks, reinforced concrete all PROVISIONAL		item	
<u>Earthwork support</u>				
To faces of excavation				
E	starting from reduced level; not exceeding 6'-0" total depth	902	sy	
<u>Disposal</u>				
Surface water				
F	allow for disposal of water; including water in excavation; PROVISIONAL		item	
Excavated material				
G	off site	313	cy	
<u>Hardcore</u>				
Return fill-in and ram				
H	compacting in accordance with Engineers details; obtain off site	171	cy	

To Collection \$

Bill 3 Substructure- New Extension
Section 1 Substructure

Q U R

Item

	Filling to make up levels		
A	compacting in accordance with Engineers details; obtain off site (Provisional)	177 cy	
	<u>Surface treatments</u>		
	Applying to surfaces		
B	anti-termite chemicals	1579 sy	
C	blinding sand 2" thick	530 sy	
	Compacting bottoms of excavations		
D	to falls; less than 15 degrees from horizontal	677 sy	
	<u>E10 MIXING/CASTING/CURING IN SITU CONCRETE</u>		
	<u>Plain concrete mix (1:4:8 in 28 days): all in accordance with engineers details and specifications</u>		
	Foundations		
E	not exceeding 12" thick	152 sy	
	<u>Reinforced concrete mix (3750psi in 28 days): all in accordance with Engineers details and specifications</u>		
	Foundations		
F	in pits; 6" to 18" thick	26 cy	
G	capping beams; attached	21 cy	
H	tie beams; attached	31 cy	
	Capping beams		
I	beams; attached	16 cy	
	Slabs on grade		
J	not exceeding 6" thick	88 cy	

To Collection \$ _____

Bill 3 Substructure- New Extension
Section 1 Substructure

Q U R

Item

Pedestal Columns		
A generally	14 cy	
<u>Grouting</u>		
Stanchion bases		
B 1" thick generally	44 nr	
<u>E20 FORMWORK FOR IN SITU CONCRETE</u>		
<u>Formwork; all in accordance with Engineers details and specifications</u>		
Sides of foundations; plain vertical		
C tie beam and the like; not exceeding 12" high	376 sy	
D sides of foundations; plain vertical; exceeding 12" high	78 sy	
Beams attached to slabs		
E plain vertical; not exceeding 12" high	187 sy	
Columns attached to walls		
F rectangular vertical	98 sy	
<u>E30 REINFORCEMENT FOR IN SITU CONCRETE</u>		
<u>Reinforcement; High tensile bars; all in accordance with engineers details and specifications</u>		
Bars		
G 3/8" diameter nominal size	6902 lb	
H 1/2" diameter nominal size; blockwork	2344 lb	
I 1/2" diameter nominal size	3795 lb	
J 3/4" diameter nominal size	3300 lb	
K 5/8" diameter nominal size	12061 lb	

To Collection \$

141022NEMO

Page 3/1-35

Bill 3 Substructure- New Extension
Section 1 Substructure

Q U R

Item

Fabric

Steel fabric mesh reinforcement with 6" end and slide laps
(measured net allow for laps)

A	layer BRC A193; mesh	423 sy	■
---	----------------------	--------	---

Reinforcement

Special joints

"Brickforce" or other equal and approved metal mesh
reinforcement with 6" laps at ends and corners (measured net-
allow for laps); 7" wide strips

B		846 ly	■
---	--	--------	---

E40 DESIGNED JOINTS FOR IN SITU CONCRETE

Abutments

Allow for abutments between existing concrete slab and new
concrete slab;

C	not exceeding 150 wide (Provisional)	80 ly	■
---	--------------------------------------	-------	---

F10 BRICK/BLOCK WALLING

Hollow precast concrete blocks; size 16" long x 8" high
bedded and jointed in cement mortar (1:4) cores filled solid
with fine concrete and reinforcement with high tensile bars
(reinforcement measured separately)

Walls

D	8" thick walls; vertical	282 sy	■
---	--------------------------	--------	---

To Collection \$ _____

Bill 3 Substructure- New Extension
Section 1 Substructure

Q U

Item		\$	c
<u>G10 STRUCTURAL STEEL FRAMING</u>			
<u>Framing, Fabrication and Erection to ASTM A992; all in accordance with the Engineers details and specification</u>			
Holding down bolt assemblies			
	Base plate 1'-6" x 1'-4"x 3/4" thick; with and including 4nr. 3/4" diameter 1'-6" long; set loosely and including 2" diameter P.V.C sleeve; including 12mm thk m.s. stiffener plate.		
A		44 nr	
<u>J40 FLEXIBLE SHEET TANKING/DAMP PROOFING</u>			
<u>Damp-proof membrane of 500 gauge polythene sheeting laid on sand blinding (measured separately) with end and side laps 9" wide and dressing at slopes and eqdes</u>			
Tanking and damp proofing			
B	horizontal	530 sy	
<u>M10 CEMENT:SAND/CONCRETE SCREEDS/TOPPINGS</u>			
<u>Cement and sand (1:3) screed 1" thick</u>			
Floors			
C	level or to falls only not exceeding 15 degrees from horizontal	530 sy	
<u>M20 PLASTERED/RENDERED/ROUGHCAST COATINGS</u>			
<u>Plasticised cement and sand (1:3) rendering 1/2" thick</u>			
Walls			
D	render to vertical walls; over 12" thick	77 sy	

To Collection \$

141022NEMO

Page 3/1-37

Bill 3 Substructure- New Extension
Section 1 Substructure

Item		\$	c
	Page 33		
	Pag 34		
	Page 35		
	Page 36		
	Page 37		

To Summary \$

141022NEMO

Page 3/1-38

Bill 3 Substructure
Section 1 Substructure

Item		\$	c
		<u>SUMMARY</u>	
Section 1 Substructure	Page 39		

To Summary \$

141022NEMO

Page 40

Bill 4 Superstructure- New Extension
Section 1 Frame

Item	<u>QUANTITY</u>	<u>UNIT</u>	<u>RATE</u>	<u>AMOUNT</u>
				\$ c
<u>E10 MIXING/CASTING/CURING IN SITU CONCRETE</u>				
<u>Reinforced concrete mix (3000psi in 28 days); all in accordance with Engineers details and specifications</u>				
Lintels				
A	lintels; generally	3 cy		
<u>Reinforced concrete mix (3750psi in 28 days); all in accordance with Engineers details and specifications</u>				
Staircases				
B	generally	4 cy		
<u>E20 FORMWORK FOR IN SITU CONCRETE</u>				
<u>Formwork; all in accordance with Engineers details and specifications</u>				
Steps and the like				
C	soffits of step	26 sy		
D	sides, risers and the like	87 ly		
<u>E30 REINFORCEMENT FOR IN SITU CONCRETE</u>				
<u>Reinforcement; High tensile bars to ASTM 615; all in accordance with Engineers specifications and details</u>				
Bars				
E	3/8" diameter nominal size	671 lb		
F	1/2" diameter nominal size	1236 lb		

To Collection \$

Bill 4 Superstructure- New Extension
Section 1 Frame

Q U R

Item \$ c

G10 STRUCTURAL STEEL FRAMING

Framing, Fabrication, Erection and torquing to AISC LRFD 2005; structural steel to confirm to ASTM A992; 'I' sections to confirm to ASTM A513; all in accordance with the Engineers details and specification

Columns

A	weight not exceeding 40kg/m; 203x133 UB25	4488 lb	
B	weight not exceeding 40kg/m; 203x203 UC46	20181 lb	

Beams

C	weight not exceeding 40kg/m; 254x102 UB22	7902 lb	
D	weight not exceeding 40kg/m; 254x146 UB31	5968 lb	

Fittings

E	generally	4625 lb	
---	-----------	---------	--

To Collection \$

Page 14

Page 15

To Summary \$

Bill 4 Superstructure- New Extension
Section 2 Upper Floor

Q U

Item

E10 MIXING/CASTING/CURING IN SITU CONCRETE

Reinforced concrete mix (3750psi in 28 days); all in accordance with Engineers details and specifications

Suspended Slabs

A thickness; 5" 43 cy 

E30 REINFORCEMENT FOR IN SITU CONCRETE

Fabric; BRC mesh to ASTM A185

Steel fabric mesh reinforcement with 6" end and side laps (measured net allow for laps)

B layer BRC A142 309 sy 

Reinforcement; High tensile bars to BS 4449; all in accordance with Engineers specifications and details


Bars

C 1/2" diameter nominal size 3715 lb 

E42 ACCESSORIES CAST INTO IN SITU CONCRETE

Fixing device

Shear Connectors

D 3"long x 3" x 2" mild steel 'L' shape at 12" c/c 309 sy 

To Collection \$

Bill 4 Superstructure- New Extension
Section 2 Upper Floor

Q U

Item

G30 METAL PROFILED SHEET DECKING

Permanent formwork

Decking; 26 gauge floor decking; CFD3 floor system;
including all accessories and shear connectors; all in
accordance to Engineers details and specifications

A sloping soffit; welded fixed to metal frames 309 sy



M10 CEMENT:SAND/CONCRETE SCREEDS/TOPPINGS

Cement and sand (1:3) screed

Concrete Surfaces

B 3/4" thick; exceeding 12" (300) wide 309 sy



To Collection \$

COLLECTION

Page 43

Page 44

To Summary \$

141022NEMO

Page 4/2-44

Bill 4 Superstructure- New Extension
Section 3 Roof


Q U

Item


G10 STRUCTURAL STEEL FRAMING


Framing, Fabrication, Erection and torquing to AISC LRFD 2005; structural steel to confirm to ASTM A992; 'I' sections to confirm to ASTM A513; all in accordance with the Engineers details and specification

Rafters

A weight not exceeding 40kg/m; 203x133 UB25 4650 lb 

Beams

B weight not exceeding 40kg/m; 127x76 UB13.36 2147 lb 


C weight not exceeding 40kg/m; 178x102 UB21.54 3463 lb 

Purlins and cladding rails

D 8" Zed purlins 288 ly 

E 6" Zed purlins 413 ly 

Sag rods

F 10mm diameter mild steel 115 ly 

End plate

G 20mm thick 81 ly 

Fittings

H generally 1231 lb 

H31 METAL PROFILED/FLAT SHEET
CLADDING/COVERING/SIDING

Aluzinc standing seam sheeting anchored according to manufacturer specification, using stainless steel or other similar anti corrosive fixings; factory painted finish

Roof coverings

I pitched roof 669 sy 

To Collection \$

Bill 4 Superstructure- New Extension
Section 3 Roof

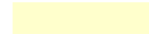
Q U

Item

Flashings

A eaves capping

161 ly



B ridge capping

81 ly



R10 RAINWATER PIPEWORK/GUTTERS

Gutterwork

PVC pipework; downpipe; fittings and all cutting and pinning
as indicated by the Architect

C 6" diameter; nominal size

108 ly



Aluminum gutterwork; to Architect design and specifications;
fixed to timber surface

D 6" half round; nominal size

162 ly



To Collection \$

COLLECTION

Page 45

Page 46

To Summary \$

141022NEMO

Page 4/3-46

Bill 4 Superstructure- New Extension
Section 4 External Walls

Q U R

Item \$ c

E10 MIXING/CASTING/CURING IN SITU CONCRETE

Reinforced concrete mix (3750psi in 28 days); all in accordance with Engineers details and specifications

Filling hollow walls

A to cores of HCB generally 631 sy

E30 REINFORCEMENT FOR IN SITU CONCRETE

Reinforcement; High tensile bars; all in accordance with engineers details and specifications

Bars

B 1/2" diameter nominal size; blockwork 3198 lb

Reinforcement

Special joints

"Brickforce" or other equal and approved metal mesh reinforcement with 6" laps at ends and corners (measured net-allow for laps); 7" wide strips

C 1442 ly

F10 BRICK/BLOCK WALLING

Hollow precast concrete blocks; size 16" long x 8" high bedded and jointed in cement mortar (1:4) cores filled solid with fine concrete and reinforcement with high tensile bars (reinforcement measured separately)

Walls

D 6" thick walls; vertical 631 sy

To Collection \$

Bill 4 Superstructure- New Extension
Section 4 External Walls

	<u>Q</u>	<u>U</u>	<u>R</u>	\$	c
<u>F30 ACCESSORIES/SUNDRY ITEMS FOR BRICK/BLOCK/STONE WALLING</u>					
<u>Bonding between masonry and universal columns surfaces</u>					
Abutments					
A		allow for abutments vertically; including 3/8" 'U' bars; welded to metallic columns; 24" centres	339 ly		
<u>G10 STRUCTURAL STEEL FRAMING</u>					
<u>Framing, Fabrication and Erection to BS 449; all in accordance with the Engineers details and specification</u>					
Purlins and cladding rails					
B		150x50 Zed purlins	477 ly		
<u>H31 METAL PROFILED/FLAT SHEET CLADDING/COVERING/SIDING</u>					
<u>Aluzinc standing seam sheeting anchored according to manufacturer specification, using stainless steel or other similar anti corrosive fixings; factory painted finish</u>					
Wall claddings					
C		vertical; all to match existing cladding	329 sy		
Flashings					
D		flashing generally; fixed to metal surface; bent twice	80 ly		
<u>M20 PLASTERED/RENDERED/ROUGHCAST COATINGS</u>					
<u>Plasticised cement and sand (1:3) rendering 1/2" thick</u>					
Walls					
E		over 12" wide; vertical	1262 sy		

To Collection \$

Bill 4 Superstructure- New Extension
Section 4 External Walls

Q U R

Item

\$ c

M60 PAINTING/CLEAR FINISHING

Prepare and apply; one undercoat and two full finish coats flat emulsion paint; brush or roller applied

Masonry and concrete surfaces

A over 12" (300) girth

1262 sy



To Collection \$

Page 47

Page 48

Page 49

To Summary \$

141022NEMO

Page 4/4-49

Bill 4 Superstructure- New Extension
Section 5 Windows and Doors

Q U R

Item \$ c

L10 WINDOWS/ROOFLIGHTS/SCREENS/LOUVRES

Wrought iron grill; plugged screwed fixed to masonry surfaces

supply, deliver and install into position windows; fixed into masonry openings

A generally painted finish 29 sy

Aluminium framed louver windows; including ironmongery locking handles; plugged screwed fixed to masonry surfaces; pre-painted finish

Windows and window frames

B overall size; 4'-0"x2'-0"; W1 33 nr

L20 DOORS/SHUTTERS/HATCHES

Metal door; Solid Core Aluminium door; Roller shutter door; including aluminium frames and ironmongery; pre-painted; all in accordance with Architects details and specifications;

Doors with frames

C overall size; 12'-0"x14'-0" D2 2 nr

Metal door; Solid Core Aluminium door; including louvre vents; including aluminium frames and ironmongery; pre-painted; all in accordance with Architects details and specifications;

Doors with frames

D overall size; 3'-0"x6'-10"; D1 3 nr

To Collection \$

Bill 4 Superstructure- New Extension
Section 5 Windows and Doors

Q U R

Item

P21 IRONMONGERY

Ironmongery; stainless steel Europrofile upright sash lock with square face plate; or other equal and approved to match existing; fix to softwood or hardwood;

Ironmongery

A Lever handle and dead bolt

3 nr



Ironmongery; Mortise Lock and Latch; stainless steel European Sash lock; Backset; double throw deadbolt; easy reversible latch; or other equal and approved to match existing; fix to softwood or hardwood;

Ironmongery

B Mortise lock and latch

3 nr



Ironmongery; stainless steel butt hinge 102x102x3mm BS EN 1935; or other equal and approved to match existing; fix to softwood or hardwood;

Ironmongery

C 6" heavy duty butt hinges

9 nr



Ironmongery

Solid stainless steel door closer; Hold open to 90 degrees with cushion back check; Supply deliver and install to timber doors; all in accordance with manufacturers details and specifications

D Overhead door closer; aluminium; D-3550/ D-3551 series

3 nr



Signage

E Fire hazard signage; 'Fortmat' Ref.# 4266-40, #4203-40

3 nr



To Collection \$

Bill 4 Superstructure- New Extension
Section 5 Windows and Doors

Item

Page 50

Page 51

To Summary \$

141022NEMO

Page 4/5-52

Bill 4 Superstructure- New Extension
Section 6 Finishes

Q U R

Item

\$ c

M60 PAINTING/CLEAR FINISHING

Prepare and apply Epoxy paint application; or equal and approved

Concrete surfaces

A over 12" (300) girth

851 sy



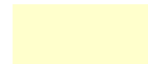
P10 SUNDRY INSULATION/PROOFING WORK/FIRE STOPS

Insulation

3" thick rigid insulation; or other equal and approved by the Architect

B horizontally fixed mechanically to the underside of concrete surfaces

851 sy



To Summary \$

141022NEMO

Page 4/6-53

Bill 4 Superstructure- New Extension
Section 7 Fittings and Fixtures

Q U R

Item

\$ c

P20 UNFRAMED ISOLATED TRIMS/SKIRTINGS/SUNDRY ITEMS

Handrails and Grabrails

Mild steel metal handrail; fabricated and erected in accordance with Architectural drawings and specifications; fixed to masonry and concrete surfaces; all as stair detail drawings

A Mild steel metal handrail; 1 1/2" diameter hollow tube top and bottom rail weld fixed to 1 1/2" mild steel diameter vertical post; 3/4" diameter mild steel bars weld fixed to vertical post; 3/8" thick 4"x4" steel plate recessed into RC stair; screwed fixed to masonry surface; straight

17 ly



B Mild steel metal handrail; 1 1/2" diameter hollow tube top and bottom rail weld fixed to 1 1/2" mild steel diameter vertical post; 3/4" diameter mild steel bars weld fixed to vertical post; 3/8" thick 4"x4" steel plate recessed into RC stair; screwed fixed to masonry surface; raking

18 ly



To Summary \$

141022NEMO

Page 4/7-54

Bill 4 Superstructure- New Extension
Section 7 Fittings and Fixtures

Item

\$ c
SUMMARY

Section 1 Frame	Page 42
Section 2 Upper Floor	Page 44
Section 3 Roof	Page 46
Section 4 External Walls	Page 49
Section 5 Windows and Doors	Page 52
Section 6 Finishes	Page 53
Section 7 Fittings and Fixtures	Page 54

To Summary \$

141022NEMO

Page 55

Bill 5 MEP Installation- New Extension
Section 1 Electrical Installation

	<u>QUANTITY</u>	<u>UNIT</u>	<u>RATE</u>	<u>AMOUNT</u>
Item				\$ c

NOTES

Notwithstanding the SMM7 rule; the contractor is to allow herein the pricing of his works in connection with the entire lighting and power installation, and builders works in connection with the Electrical works thereof; all in strick acordance with the Electrical details and specifications.

A

P31 HOLES/CHASES/COVERS/SUPPORTS FOR ELECTRICAL SERVICES

Nothwithstanding SMM7, the condition and particulars of the contract; the contractor is to allow for Builders work in connection with services; including relocating switches, light fixtures ad outlets; including blocking off conduits boxes etc; all in accordance with details and specifications

Allow for cutting away holes, mortices, chases, etc., in concrete or blockwork for the following and afterwards make good:-

B generally

item

V10 ELECTRICITY GENERATION PLANT

Genset

Supply and install Generator and ATS; including all cables, wiring and guilders work; bolted fix to RC base; testing and commissioning

C P16 generator; all to Engineer specification and details

item

To Collection \$

Bill 5 MEP Installation- New Extension
Section 1 Electrical Installation

Q U

Item

V20 LV DISTRIBUTION

Notwithstanding the SMM7, and the general condition and the particulars of the contract the Contractor is to Supply and Install; Panels, breakers and power distribution panelboards; all in accordance with the Laws of SVG and the engineers details and specifications

Panels, breakers and power distribution

- | | | | |
|---|--------------------------------|------|--|
| A | generally; 110 circuit breaker | item | |
| B | generally; 220 circuit breaker | item | |

V21 GENERAL LIGHTING

Lights

Supply, deliver and install the electrical lights fixtures; complete with the necessary fittings and fixture as indicated of drawings;

- | | | | |
|---|---|-------|--|
| C | LED 4'-0" fixture-2 tube; suspended mounted | 59 nr | |
| D | LED two head emergency light with battery back-up | 4 nr | |
| E | LED flood lamp; including photo cell | 12 nr | |
| F | LED sconce light fixture | 2 nr | |

To Collection \$

141022NEMO

Page 5/1-57

Bill 5 MEP Installation- New Extension
Section 1 Electrical Installation

Q U

Item

V22 GENERAL LV POWER

Cables

Notwithstanding SMM7, conditions and particulars of the contract the Contractor is to, Supply, deliver and install the electrical material viz., all cables and wires; for the entire electrical

A	generally; wires and wiring; including all cable glands; fitting, fixtures and all accessories; all in accordance with engineering details and specifications	item	
---	---	------	--

Step-down transformer

Notwithstanding the SMM7, and the general condition and the particulars of the contract, the contractor is to supply and install; step-down transformer; all in accordance with the laws of SVG and the design and Engineer specification

B	Step-down transformer	1 nr	
---	-----------------------	------	--

Termination points

Supply, deliver and install the termination points and switch points; complete with the necessary fittings and fixture

C	2 gang; 2 way switch	1 nr	
---	----------------------	------	--

D	110v wall power outlet; double socket	17 nr	
---	---------------------------------------	-------	--

E	quadruple two way switch	2 nr	
---	--------------------------	------	--

F	single gang switch	1 nr	
---	--------------------	------	--

G	single 2 way switch	1 nr	
---	---------------------	------	--

H	220v wall power outlet; double socket	17 nr	
---	---------------------------------------	-------	--

I	240v wall power outlet; double socket; waterproof	1 nr	
---	---	------	--

To Collection \$

Bill 5 MEP Installation- New Extension
Section 1 Electrical Installation

Q U

Item

Ground rods

A copper bond earth rods; to cover generator and PV system;
with inspection box including cover

1 nr



Panels, breakers and power distribuion

Distrubution panels and power distrubution complete with the necessary fittings and fixture

B 3 phase meter base

1 nr



Electrical Installation

Notwithstanding SMM7, the condition and particulars of the contract, the Contractor shall Allow for providing works for telecommunications; including all builders work; all to the approval of the Engineer

C generally

item



Notwithstanding SMM7, the conditions and particulars of the Contract the Contractor is to, supply, deliver and install connection of electrical main from existing electrical pole to building, including statutory undertakers; works to existing building; testing and commissioning; including excavation and earthworks, all builders work; Armored cable and conduits; all to the approval of the Engineer/Contract administrator

D generally; underground

item



To Collection \$

Bill 5 MEP Installation- New Extension
Section 1 Electrical Installation

Q U

Item

PVC conduits; include for couplings, connectors and solvent

Notwithstanding SMM7, conditions and particulars of the contract the Contractor is to Supply, deliver and install the electrical material viz., conduits, coupling, connectors and solvent; as indicated of drawings.

A generally; pipe work and including all fittings fixtures and accessories

item



V90 ELECTRICAL INSTALLATION (SMALL SCALE)

PV Panel System

Supply and Install; Renewable Energy Micro Generator (REMG); grid tied Photovoltaic system; model shall be UL 1730 listed; Inverter shall comply to performance standards stated in the specifications; roof mounted system shall comply with performance stated in the specifications; all in accordance with Engineer details and specifications.

B 6kW/230V/50HZ

item



Installation generally

Inspection

C allow for inspecting electrical system

item



Testing and Commissioning

D allow for testing and commissioning new and existing electrical system

item



To Collection \$

Bill 5 MEP Installation- New Extension
Section 1 Electrical Installation

Item

Page 56

Page 57

Page 58

Page 59

Page 60

To Summary \$

141022NEMO

Page 5/1-61

Bill 5 MEP Installation- New Extension
Section 2 Fire detecton and Alarm

Q U

Item

\$ c

S70 GAS FIRE FIGHTING

Fire Extinguisher

Allow for the supply and installation of hand-held Fire Extinguisher (foam)

A generally; wall mounded including plugging fixed to masonry surfaces

3 nr



W41 SECURITY DETECTION AND ALARM

Notwithstanding the SMM7, and the general condition and the particulars of the contract the Contractor is to Supply and Install; Security alarm system; all in accordance with the Laws of SVG and the engineers details and specifications

Honeywell Ademco 6160RF security system; including keypad, long range sensor IS25100TC; Sounder; wires and cables; conduits and trunking, detectors; all in accordance with manufacturers and engineers details and specifications

B Installed in conjunction with drawings nr. E-02

item



To Collection \$

141022NEMO

Page 5/2-62

Bill 5 MEP Installation- New Extension
Section 2 Fire detecton and Alarm

Q U

Item

W50 FIRE DETECTION AND ALARM

Notwithstanding the SMM7, and the general condition and the particulars of the contract the Contractor is to Supply and Install; Fire detection and alarm system; all in accordance with the Laws of SVG and the engineers details and specifications

Honeywell Fire Lite Alarms; including control panels, wires and cables; conduits and trunking, detectors; all in accordance with manufacturers and engineers details and specifications

A Installed in conjunction with drawings nr. E-02

item



To Collection \$

COLLECTION

Page 62

Page 63

To Summary \$

141022NEMO

Page 5/2-63

Bill 5 MEP Installation- New Extension
Section 3 Lift & Conveyor System

Q U R

Item

\$ c

X10 LIFTS

Lift and Conveyor Installation

Four Post Cargo Lifts

Morn Lift; four post cargo lift; LRL1-4.5 1000kg load capacity;
2.1*1.5m platform size; 4.5m travel height; 350mm Pit depth;

A 2.75*1.65*7m dimension

1 nr



To Summary \$

141022NEMO

Page 5/3-64

Bill 5 MEP Installation- New Extension
Section 3 Lift & Conveyor System

Item

Section 1 Electrical Installation Page 61

Section 2 Fire detecton and Alarm Page 63

Section 3 Lift & Conveyor System Page 64

To Summary \$

141022NEMO

Page 65

Bill 6 External Works
Section 1 External Drainage

Q U R

Item \$ c

NOTES

Notes; Generally

A All Provisional

R12 DRAINAGE BELOW GROUND

Excavating trenches for drain pipe; not exceeding 12" diameter; backfill with granular material

For pipes

B 6" diameter 67 ly

Granular material

Beds and surrounds

C around waste pipes; not exceeding 12" diameter 67 ly

PVC schedule 40 pipes and fittings; drain waste and vent quality; PVC collars and solvent cement joints; in running lengths

Pipes

D 6" nominal size 67 ly

Extra over for

E connection to slipper drain 12 nr

R11 FOUL DRAINAGE ABOVE GROUND

Box drain

Box drain; including all excavation and earthworks; concrete work to base and walls; formwork; 1/2" diameter reinforcement; all as per drawing nr. SD-02

A overall size; 36" wide x 24" deep 10 ly

Slipper drain

Slipper drain; including all excavation and earthworks; concrete work; formwork and reinforcement; all as per drawings No. SD-02

B overall size; 24" wide x 24" deep 30 ly

C overall size; 48" wide x 24" deep 111 ly

R13 LAND DRAINAGE

Drain Outlet

Drain outlet; grouted (1:3:6 Nominal mix) with stones size 3"-12"; Geotextile class A to AASHTO M288; including all excavation and earthworks

D all as per drawing no. SD-02

item

To Summary \$

141022NEMO

Page 6/1-66

Bill 6 External Works
Section 2 Carpark

Q U R

Item \$ c

NOTES

Notes; Generally

A All Provisional

D20 EXCAVATING AND FILLING

Excavating

Excavation over site

B maximum depth not exceeding 10"; including trimming and levelling 54 cy

Trenches exceeding 12" wide

C maximum depth not exceeding 18" deep; for thicken slab 14 cy

Disposal

Excavated material

D off site 68 cy

Granular material

Filling to make up levels

E average thickness; 10" (250mm) thick 194 sy

F sand blinding; blinding layer 2" thick (50mm) 194 sy

Surface treatments

Applying to surfaces

G anti-termite chemicals 194 sy

Compacting bottoms of excavations

H to falls; less than 15 degrees from horizontal 194 sy

To Collection \$

Bill 6 External Works
Section 2 Carpark

Q U R

Item

\$ c

E10 MIXING/CASTING/CURING IN SITU CONCRETE

Reinforced concrete mix (3750 psi in 28 days); all in accordance with engineers details and specifications

Beds and Slabs

A thickness; 6"; brushed finish 29 cy

Beams and copings

B square edge 1 cy

E20 FORMWORK FOR IN SITU CONCRETE

Formwork; all in accordance with Engineers details and specifications

Sides of foundations; plain vertical

C tie beam and the like; not exceeding 12" high 12 sy

Extra over for

B kerb and thicken slab 10 cy

E30 REINFORCEMENT FOR IN SITU CONCRETE

Reinforcement; High tensile bars; all in accordance with engineers details and specifications

Bars

D 3/8" diameter nominal size 87 lb

E 1/2" diameter nominal size; blockwork 81 lb

F 5/8" diameter nominal size 115 lb

G 1/2" diameter nominal size 74 lb

To Collection \$

Bill 6 External Works
Section 2 Carpark

Q U R

Item \$ c

Reinforcement

Special joints

A	"Brickforce" or other equal and approved metal mesh reinforcement with 6" laps at ends and corners (measured net-allow for laps); 7" wide strips	28 ly	
---	--	-------	--

Fabric

B	steel fabric mesh reinforcement with 6" end and side laps; (measured net, allow for laps); layer BRC A142	259 sy	
---	---	--------	--

F10 BRICK/BLOCK WALLING

Hollow precast concrete blocks; size 16" long x 8" high bedded and jointed in cement mortar (1:4) cores filled solid with fine concrete and reinforcement with high tensile bars (reinforcement measured separately)

Walls

C	8" thick walls; vertical	9 sy	
---	--------------------------	------	--

To Collection \$

COLLECTION

Page 67

Page 68

Page 69

To Summary \$

Bill 6 External Works
Section 3 Water Tank base

Q U R

Item \$ c

D20 EXCAVATING AND FILLING

Excavating

To reduce levels

A excavate over site to remove vegetable soil; disposal off site 1 cy

Trenches exceeding 12" wide

B maximum depth not exceeding 4'-0". 2 cy

Extra over excavation irrespective of depth for excavating

C rocks, reinforced concrete all PROVISIONAL item

Earthwork support

To faces of excavation

D starting from reduced level; not exceeding 6'-0" total depth 12 sy

Disposal

Surface water

E allow for disposal of water; including water in excavation; PROVISIONAL item

Excavated material

F off site 3 cy

Hardcore

Return fill-in and ram

G compacting in accordance with Engineers details; obtain off site 1 cy

Filling to make up levels

H compacting in accordance with Engineers details; obtain off site (Provisional) 1 cy

To Collection \$

Bill 6 External Works
Section 3 Water Tank base

	<u>Q</u>	<u>U</u>	<u>R</u>	\$	c
Item					
<u>Surface treatments</u>					
Applying to surfaces					
A	anti-termites chemicals	17 sy			
B	blinding sand 2" thick	3 sy			
Compacting bottoms of excavations					
C	to falls; less than 15 degrees from horizontal	5 sy			
<u>E10 MIXING/CASTING/CURING IN SITU CONCRETE</u>					
<u>Plain concrete mix (1:4:8 in 28 days); all in accordance with engineers details and specifications</u>					
Foundations					
D	not exceeding 12" thick	2 sy			
<u>Reinforced concrete mix (3750psi in 28 days); all in accordance with Engineers details and specifications</u>					
Foundations					
E	tie beams; attached	1 cy			
Slabs on grade					
F	not exceeding 6" thick	1 cy			
<u>E20 FORMWORK FOR IN SITU CONCRETE</u>					
<u>Formwork; all in accordance with Engineers details and specifications</u>					
Sides of foundations; plain vertical					
G	tie beam and the like; not exceeding 12" high	8 sy			

To Collection \$

Bill 6 External Works
Section 3 Water Tank base

Q U R

Item

\$ c

E30 REINFORCEMENT FOR IN SITU CONCRETE

Reinforcement; High tensile bars; all in accordance with engineers details and specifications

Bars

A	1/2" diameter nominal size	93 lb	
B	3/8" diameter nominal size	19 lb	
C	1/2" diameter nominal size; blockwork	42 lb	
D	1/2" diameter nominal size	52 lb	

Reinforcement

Special joints

E	"Brickforce" or other equal and approved metal mesh reinforcement with 6" laps at ends and corners (measured net-allow for laps); 7" wide strips	17 ly	
---	--	-------	--

F10 BRICK/BLOCK WALLING

Hollow precast concrete blocks; size 16" long x 8" high bedded and jointed in cement mortar (1:4) cores filled solid with fine concrete and reinforcement with high tensile bars (reinforcement measured separately)

Walls

F	8" thick walls; vertical	6 sy	
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To Collection \$

Bill 6 External Works
Section 3 Water Tank base

Q U R

Item

\$ c

J40 FLEXIBLE SHEET TANKING/DAMP PROOFING

Damp-proof membrane of 500 guage polythene sheeting laid on sand blinding (measured separately) with end and side laps 9" wide and dressing at slopes and egdes

Tanking and damp proofing

A horizontal

3 sy



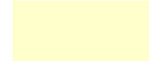
M10 CEMENT:SAND/CONCRETE SCREEDS/TOPPINGS

Cement and sand (1:3) screed 1" thick

Floors

B level or to falls only not exceeding 15 degrees from horizontal

3 sy



M20 PLASTERED/RENDERED/ROUGHCAST COATINGS

Plasticised cement and sand (1:3) rendering 1/2" thick

Walls

C render to vertical walls; over 12" thick

2 sy



To Collection \$

141022NEMO

Page 6/3-73

Bill 6 External Works
Section 3 Water Tank base

Item

\$ c
COLLECTION

Page 70

Page 71

Page 72

Page 73

To Summary \$

141022NEMO

Page 6/3-74

Bill 6 External Works
Section 4 External Fencing

Q U R

Item

\$ c

Q40 FENCING

Chain link fencing; including supplying and installing galvanised metal post and braces; cast into 24" RC foundation; including excavated and earthworks; 1/2" dia. reinforcement; 8" thk fence wall filled with concrete; 3/8" dia. reinforcement to HCB; tension wire to top and bottom; metal arms ; and barbed wire; 2" diameter post and brace; all in accordance with Architect details and specifications; Dwg no. SF-01

Fencing

A 6'-0" high

179 ly



To Summary \$

141022NEMO

Page 6/4-75

Bill 6 External Works
Section 5 Generator Room

Item	Quantity	Unit	Rate	\$	c
<u>D20 EXCAVATING AND FILLING</u>					
<u>Excavating</u>					
Trenches not exceeding 12" wide					
A		maximum depth not exceeding 6'-0"; tie beam.	6		cy
Working space allowance to excavations					
B		trenches	25		sy
<u>Earthwork support</u>					
To faces of excavation					
C		starting from reduced level; not exceeding 6'-0" total depth	25		sy
<u>Disposal</u>					
Excavated material					
D		off site	3		cy
<u>Hardcore</u>					
Return fill-in and ram					
E		compacting in accordance with Engineers details	3		cy
<u>Surface treatments</u>					
Applying to surfaces					
F		anti-termite chemicals	31		sy
Compacting bottoms of excavations					
G		to falls; less than 15 degrees from horizontal	6		sy

To Collection \$

120922NEMO

Page 6/5-76

Bill 6 External Works
Section 5 Generator Room

Item	Quantity	Unit	Rate	\$	c
<u>E10 MIXING/CASTING/CURING IN SITU CONCRETE</u>					
<u>Plain concrete mix (1:8 in 28 days); all in accordance with engineers details and specifications</u>					

Foundations

A concrete blinding; less than 5" thick 6 sy

Reinforced concrete mix (3750 psi in 28 days); all in accordance with engineers details and specifications

Foundations

B in trench; 6" to 18" thick 2 cy

Roof Slab

C thickness; 6" 2 cy

Slab on grade

D thickness; 6" 1 cy

Attached deep beams

E reinforced in excess of 5% 2 cy

E20 FORMWORK FOR IN SITU CONCRETE

Formwork

Sides of foundations; plain vertical

F sides of foundations; plain vertical; exceeding 12" high 8 sy

Edges of suspended slabs

G not exceeding 12" high 15 ly

Soffits of slabs

H exceeding 12" wide 13 sy

To Collection \$

120922NEMO

Page 6/5-77

Bill 6 External Works
Section 5 Generator Room

Quantity Unit Rate

Item

\$ c

Beams attached to slabs

A rectangular 24 sy

E30 REINFORCEMENT FOR IN SITU CONCRETE

Reinforcement; High tensile bars; all in accordance with engineers details and specifications

Bars

B 3/8" diameter nominal size; blockwork 233 lb

C	3/8" diameter nominal size	389 lb
D	1/2" diameter nominal size	855 lb
E	1/2" diameter nominal size; to blockwork	257 lb
F	5/8" diameter nominal size	155 lb

F10 BRICK/BLOCK WALLING

Hollow precast concrete blocks; size 16" long x 8" high bedded and jointed in cement mortar (1:4) cores filled solid with fine concrete and reinforcement with high tensile bars (reinforcement measured separately)

Walls

G	6" thick; vertical	10 sy
H	8" thick vertical	9 sy

J10 SPECIALIST WATERPROOF RENDERING

Thoroseal waterproofing

Walls and floors

I	over 12" wide; applied in accordance with manufacturers details and specifications	56 sy
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To Collection \$

120922NEMO

Page 6/5-78

Bill 6 External Works
Section 5 Generator Room

Quantity Unit Rate

Item \$ c

J20 MASTIC ASPHALT TANKING/DAMP PROOFING

Firestone Building Products Co. or equal approved; with special warranty of 15 years from date of substantial completion; APP modified bituminous membrane roofing

Tanking and damp proofing

A	base layer (interply sheet); smooth surface ployster APP sheets; with minimum thickness 3.8mm; adhere to concrete surface	13 sy
---	---	-------

L10 WINDOWS/ROOFLIGHTS/SCREENS/LOUVRES

Aluminium framed louver windows; including ironmongery locking handles; plugged screwed fixed to masonry surfaces; pre-painted finish

Windows and window frames

B	overall size; 4'-0"x2'-0"; W1	3 nr
---	-------------------------------	------

L20 DOORS/SHUTTERS/HATCHES

Metal door; Solid Core Aluminium door; including louvre vents; including aluminium frames and ironmongery; pre-painted; all in accordance with Architects details and specifications;

Doors with frames

C overall size; 4'-0"x6'-10"; double leaf; D4 1 nr

M10 CEMENT:SAND/CONCRETE SCREEDS/TOPPINGS

Cement-sand

Roofs

D level or to falls only not exceeding 15 degrees from horizontal 13 sy

To Collection \$

120922NEMO

Page 6/5-79

Bill 6 External Works
Section 5 Generator Room

Quantity Unit Rate

Item

\$ c

M20 PLASTERED/RENDERED/ROUGHCAST COATINGS

Plasticised cement and sand (1:3) rendering 1/2" thick on:-

Walls

A over 12" wide; vertical 62 sy

Joint Compound

Ceilings

B over 12" wide; underside of concrete ceiling 8 sy

M23 RESIN BOUND MINERAL COATINGS

Weldcrete bonding agent or similar approved

Floors

C over 12" wide; applied in accordance with manufacturers details and specifications 8 sy

M60 PAINTING/CLEAR FINISHING

Prepare and apply; one primer and two full finish coats emulsion paint; brush or roller applied

Timber surfaces

D over 300 girth; concrete surfaces 88 sy

Prepare and apply; one undercoat and two full finish coats flat emulsion paint; brush or roller applied

Masonry and concrete surfaces

E over 12" underside of concrete ceiling; security hut 8 sy

To Collection \$

120922NEMO

Page 6/5-80

Bill 6 External Works
Section 5 Generator Room

Quantity Unit Rate

Item

\$ c

Prepare and apply Epoxy paint application; or equal and approved

Concrete surfaces

A over 12" (300) girth 8 sy

P20 UNFRAMED ISOLATED TRIMS/SKIRTINGS/SUNDRY ITEMS

Drip edge

Allow for forming drip edge

B to underside of roof slab 15 ly

V21 GENERAL LIGHTING

Lights

Supply, deliver and install the electrical lights fixtures; complete with the necessary fittings and fixture as indicated of drawings;

C ceiling mounted lamp 1 nr

V22 GENERAL LV POWER

Cables

Notwithstanding SMM7, conditions and particulars of the contract the Contractor is to, Supply, deliver and install the electrical material viz., all cables and wires; for the entire electrical

generally; wires and wiring; including all cable glands; fitting, fixtures and all accessories; all in accordance with

D engineering details and specifications item

To Collection \$

120922NEMO

Page 6/5-81

Bill 6 External Works
Section 5 Generator Room

Item	Quantity	Unit	Rate	\$	c
<u>Termination points</u>					
Supply, deliver and install the termination points and switch points; complete with the necessary fittings and fixture					
A single gang switch	1	nr			
<u>PVC conduits; include for couplings, connectors and solvent</u>					
Notwithstanding SMM7, conditions and particulars of the contract the Contractor is to Supply, deliver and install the electrical material viz., conduits, coupling, connectors and solvent; as indicated of drawings.					
B generally; pipe work and including all fittings fixtures and accessories		item			

To Collection \$

120922NEMO

Page 6/5-82

Bill 6 External Works
Section 5 Generator Room

Item	Quantity	Unit	Rate	\$	c
					<u>COLLECTION</u>
		Page 76			
		Page 77			
		Page 78			
		Page 79			
		Page 80			
		Page 81			
		Page 82			

To Summary \$

120922NEMO

Page 6/5-83

Bill 6 External Works
Section 6 Water Tank

Quantity Unit Rate

Item

\$ c

D20 EXCAVATING AND FILLING

Excavating

Trenches not exceeding 12" wide

A maximum depth not exceeding 6'-0"; tie beam. 6 cy

Working space allowance to excavations

B trenches 24 sy

Earthwork support

To faces of excavation

C starting from reduced level; not exceeding 6'-0" total depth 24 sy

Disposal

Excavated material

D off site 4 cy

Hardcore

Return fill-in and ram

E compacting in accordance with Engineers details 3 cy

Surface treatments

Applying to surfaces

F anti-termite chemicals 31 sy

Compacting bottoms of excavations

G to falls; less than 15 degrees from horizontal 6 sy

To Collection \$

120922NEMO

Page 6/6-84

Bill 6 External Works
Section 6 Water Tank

Quantity Unit Rate

Item

\$ c

E10 MIXING/CASTING/CURING IN SITU CONCRETE

Plain concrete mix (1:8 in 28 days); all in accordance with engineers details and specifications

Foundations

A concrete blinding; less than 5" thick 6 sy

Reinforced concrete mix (3750 psi in 28 days); all in accordance with engineers details and specifications

Foundations

B in trench; 6" to 18" thick 2 cy

Roof Slab

C thickness; 6" 2 cy

Attached deep beams

D reinforced in excess of 5% 2 cy

Columns

E reinforced in excess of 5% 1 cy

E20 FORMWORK FOR IN SITU CONCRETE

Formwork

Sides of foundations; plain vertical

F sides of foundations; plain vertical; exceeding 12" high 8 sy

Edges of suspended slabs

G not exceeding 12" high 14 ly

Soffits of slabs

H exceeding 12" wide 21 sy

To Collection \$

120922NEMO

Page 6/6-85

Bill 6 External Works
Section 6 Water Tank

Quantity Unit Rate

Item

\$ c

Beams attached to slabs

A rectangular 24 sy

Columns attached to walls

B rectangular vertical 15 sy

E30 REINFORCEMENT FOR IN SITU CONCRETE

Reinforcement; High tensile bars; all in accordance with
engineers details and specifications

Bars

C 3/8" diameter nominal size; blockwork 125 lb

D 3/8" diameter nominal size 720 lb

E	1/2" diameter nominal size	696 lb
F	1/2" diameter nominal size; to blockwork	133 lb
G	5/8" diameter nominal size; to blockwork	158 lb
H	5/8" diameter nominal size	447 lb

F10 BRICK/BLOCK WALLING

Hollow precast concrete blocks; size 16" long x 8" high bedded and jointed in cement mortar (1:4) cores filled solid with fine concrete and reinforcement with high tensile bars (reinforcement measured separately)

Walls

I	6" thick; vertical	22 sy
J	8" thick vertical	8 sy

To Collection \$ 0.00

120922NEMO

Page 6/6-86

Bill 6 External Works
Section 6 Water Tank

Quantity Unit Rate

Item \$ c

J10 SPECIALIST WATERPROOF RENDERING

Thoroseal waterproofing

Walls and floors

A	over 12" wide; applied in accordance with manufacturers details and specifications	56 sy
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J20 MASTIC ASPHALT TANKING/DAMP PROOFING

Firestone Building Products Co. or equal approved; with special warranty of 15 years from date of substantial completion; APP modified bituminous membrane roofing

Tanking and damp proofing

B	base layer (interply sheet); smooth surface ployster APP sheets; with minimum thickness 3.8mm; adhere to concrete surface	21 sy
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L10 WINDOWS/ROOFLIGHTS/SCREENS/LOUVRES

Aluminium framed louver windows; including ironmongery locking handles; plugged screwed fixed to masonry surfaces; pre-painted finish

Windows and window frames

C	overall size; 2'-0"x2'-0"; W2	3 nr
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L20 DOORS/SHUTTERS/HATCHES

Metal door; Aluminium louvre door; including aluminium frames and ironmongery; pre-painted; all in accordance with Architects details and specifications;

Doors with frames

D overall size; 3'-0"x6'-10"; D2 1 nr

To Collection \$

120922NEMO

Page 6/6-87

Bill 6 External Works
Section 6 Water Tank

Quantity Unit Rate

Item

\$ c

M10 CEMENT:SAND/CONCRETE SCREEDS/TOPPINGS

Cement-sand

Roofs

A level or to falls only not exceeding 15 degrees from horizontal 21 sy

M20 PLASTERED/RENDERED/ROUGHCAST COATINGS

Joint Compound

Ceilings

B over 12" wide; underside of concrete ceiling 7 sy

M23 RESIN BOUND MINERAL COATINGS

Weldcrete bonding agent or similar approved

Floors

C over 12" wide; applied in accordance with manufacturers details and specifications 8 sy

M60 PAINTING/CLEAR FINISHING

Prepare and apply; one primer and two full finish coats emulsion paint; brush or roller applied

Walls

D over 12" (300) girth 48 sy

Timber surfaces

E over 300 girth; concrete surfaces 44 sy

120922NEMO

Page 6/6-88

Bill 6 External Works
Section 6 Water Tank

	Quantity	Unit	Rate	\$	c
Item					
<u>Prepare and apply; one undercoat and two full finish coats flat emulsion paint; brush or roller applied</u>					
Masonry and concrete surfaces					
A		over 12" underside of concrete ceiling; security hut	7 sy		
<u>Prepare and apply Epoxy paint application; or equal and approved</u>					
Concrete surfaces					
B		over 12" (300) girth	7 sy		
<u>N10 GENERAL FIXTURES/FURNISHINGS/EQUIPMENT</u>					
<u>Storage shelves</u>					
Timber WPP shelving; provide and install in accordance with Architects details and specifications; plugged screwed fix to masonry surfaces;					
C		generally; 24" wide x 6'-8" high (6nr levels)	5 ly		
<u>P20 UNFRAMED ISOLATED TRIMS/SKIRTINGS/SUNDRY ITEMS</u>					
<u>Drip edge</u>					
Allow for forming drip edge					
D		to underside of roof slab	14 ly		
<u>V21 GENERAL LIGHTING</u>					
<u>Lights</u>					
Supply, deliver and install the electrical lights fixtures; complete with the necessary fittings and fixture as indicated of drawings;					
E		ceiling mounted lamp	1 nr		

To Collection \$

120922NEMO

Page 6/6-89

Bill 6 External Works
Section 6 Water Tank

Quantity Unit Rate

Item

\$ c

V22 GENERAL LV POWER

Cables

Notwithstanding SMM7, conditions and particulars of the contract the Contractor is to, Supply, deliver and install the electrical material viz., all cables and wires; for the entire electrical

- generally; wires and wiring; including all cable glands; fitting, fixtures and all accessories; all in accordance with engineering details and specifications item

Termination points

Supply, deliver and install the termination points and switch points; complete with the necessary fittings and fixture

- B single gang switch 1 nr

PVC conduits; include for couplings, connectors and solvent

Notwithstanding SMM7, conditions and particulars of the contract the Contractor is to Supply, deliver and install the electrical material viz., conduits, coupling, connectors and solvent; as indicated of drawings.

- generally; pipe work and including all fittings fixtures and accessories item

To Collection \$

120922NEMO

Page 6/6-90

Bill 6 External Works
Section 6 Water Tank

Item

\$ c
COLLECTION

Page 84

Page 85

Page 86

Page 87

Page 88

Page 89

Page 90

To Summary \$

120922NEMO

Page 6/6-91

Section 1 External Drainage	Page 66
Section 2 Carpark	Page 69
Section 3 Water Tank base	Page 74
Section 4 External Fencing	Page 75
Section 5 Generator Room	Page 83
Section 6 Water Tank	Page 91

To Summary \$

141022NEMO

Page 92

\$ C
SUMMARY

Bill 1 Preliminaries	Page 4
Bill 2 Existing Building	Page 32
Bill 3 Substructure- New Extension	Page 40
Bill 4 Superstructure- New Extension	Page 55
Bill 5 MEP Installation	Page 65
Bill 6 External Works	Page 92

Total \$