

DRAWING: Q1.77.6

BUILDING TYPE 7

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SPECIFICATION

Site location	Johannesburg
Ground conditions	Earth with 10% probability of soft rock and 5% probability of hard rock
Strip footings	20MPa/19mm stone
External wall finish	"Corobrik" Glaze face bricks

PREAMBLES

For preambles refer to General Preambles for Trades 2017

SUPPLEMENTARY PREAMBLES

Earthworks p19

- 1 Nature of ground: The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "soft rock" or "hard rock"
- 2 Carting away of excavated material: Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site
- 3 Testing: Prices for filling are to include for all necessary density and other tests

Concrete, formwork and reinforcement p56

- 1 Cost of tests: The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests for approval. The testing shall be undertaken by an approved independent firm or institution nominated by the contractor. (test cubes are measured separately)

Masonry p88

- 1 Sizes in descriptions: Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick
- 2 Face bricks: Bricks shall be ordered timeously to obtain uniformity in size and colour
- 3 Pointing: Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.

Foundations (1)**FOUNDATIONS (Provisional)**

15.82
9.02
6.82
0.90
6.32
2.10

Digging up and removing rubbish,
debris, vegetation, hedges,
shrubs, bush, etc. and trees not
exceeding 200mm girth

	3 640
_1500 past outside perimeter all round	6 080
	2 120
2/270	540
2/220	440
2/1 500	3 000
	<u>15 820</u>
	3 330
	2 940
2/270	540
	110
	-900
2/1 500	3 000
	<u>9 020</u>
	3 280
2/270	540
2/1 500	3 000
	<u>6 820</u>
	2 780
2/270	540
2/1 500	3 000
	<u>6 320</u>

42.60
0.70
1.00
7.55
0.60
1.00
3.24
0.45
1.00
5.70
0.45
0.95

Excavate in earth
not exceeding 2m deep
below NGL
for trenches

&
Extra over trench and hole
excavations in earth
below NGL
for excavation in soft rock
x 10% =

&
Extra over trench and hole
excavations in earth
below NGL
for excavation in hard rock
x 5% =

&
Earth filling obtained from the
excavations and/or prescribed
stock piles on site
compacted to 90% Mod AASHTO
density
as backfilling to trenches, holes, etc.

_collections E
_collections F
_collections G
_collections H

Foundations (2)

2/	42.60	Risk of collapse
	1.00	of sides of trench and hole
2/	7.55	excavations not exceeding 1,5m
	1.00	deep below NGL
2/	3.24	_collections E
	1.00	_collections F
2/	5.70	_collections G
	0.95	_collections H
<u>DDT</u>		
3/		
	0.60	
	1.00	_ passing sect B trench w sect A trench
2/		
	0.45	
	1.00	_ passing sect D trench w sect A & sect B trench
	0.45	
	0.95	_ passing sect C trench w sect B trench
	0.60	
	1.00	_ L end of sect B trench
<u>DDT</u>		
	0.45	
	0.95	_ L end of sect C trench
<hr/>		
Item		
Keeping excavations free of all water,		
other than subterranean water		
<hr/>		
	42.60	Soil insecticide
	0.70	to bottoms and sides of trenches etc.
	7.55	_collections E
	0.60	_collections F
	3.24	
	0.45	_collections G
	5.70	
	0.45	_collections H

	42.60	Unreinforced concrete
	0.70	20MPa/19mm stone
	0.30	in strip footings
	7.55	cast against excavated surfaces
	0.60	
	0.30	
	3.24	& DDT
	0.45	Earth filling a.b.
	0.20	
	5.70	
	0.45	&
	0.25	Extra over all excavations other than
2/	0.45	bulk for carting away surplus material
	0.20	from excavations and/or stock piles
	0.10	on site, to a dumping site to be
		located by the contractor
		_collections E
		_collections F
		_collections G
		_collections H
		_steps
<hr/>		
2/	0.45	Rough formwork
		to edges, risers, ends and reveals
		not exceeding 300mm high or
		wide
		_step sect D strip footing w sect A & sect B
		strip footings

Foundations (3)

42.60

270mm Hollow wall
of two half brick skins
in NFX bricks
in class II cement mortar
in foundations
(filling of concrete elsewhere)
 $\text{m}^2 \times 0.92 = \dots\dots$

&
270mm Hollow wall
of two half brick skins
in NFX bricks
in class II cement mortar
in foundations
 $\text{m}^2 \times 0.09 = \dots\dots$

&
75mm Wide brickwork
reinforcement
in foundations
 $\text{x } 1.00 \times 11.76 \text{ m/m}^2 \times 2 = \dots\dots$

&
Unreinforced concrete
20MPa/20mm stone
in filling of cavity of hollow walls
in foundations
 $\text{m}^3 \times 0.05 \times 0.92 = \dots\dots$

&
Splayed mortar fillets
one course high
in 50mm cavities

& DDT
Earth filling a.b.
 $\text{m}^3 \times 0.27 \times 0.70 = \dots\dots$

&
E. o. for carting away a.b.
 $\text{m}^3 \times 0.27 \times 0.70 = \dots\dots$
_collections A

8.02

One brick wall
in NFX bricks
in class II cement mortar
in foundations
 $\text{m}^2 \times 1.00 = \dots\dots$

&
150mm Wide brickwork
reinforcement
in foundations
 $\text{x } 1.00 \times 11.76 \text{ m/m}^2 = \dots\dots$

& DDT
Earth filling a.b.
 $\text{m}^3 \times 0.22 \times 0.70 = \dots\dots$

&
E. o. for carting away a.b.
 $\text{m}^3 \times 0.22 \times 0.70 = \dots\dots$
_collections B

Foundations (4)

3.64

Half brick wall
in NFX bricks
in class II cement mortar
in foundations
 $m^2 \times 1.10 = \dots\dots$

&
75mm Wide brickwork
reinforcement
in foundations
 $x 1.10 \times 11.76 \text{ m/m}^2 = \dots\dots$

& DDT
Earth filling a.b.
 $m^3 \times 0.11 \times 0.80 = \dots\dots$

&
E. o. for carting away a.b.
 $m^3 \times 0.11 \times 0.80 = \dots\dots$
_collections C

0.22

DDT

0.10

Half brick wall in foundations a.b.

0.19

0.10

& DDT
75mm Wide brickwork reinforcement
in foundations a.b.
 $x 11.76 \text{ m/m}^2 = \dots\dots$
_step sect D strip footing w sect A strip footing
_step sect D strip footing w sect B strip footing

6.08

Half brick wall in foundations a.b.
 $m^2 \times 1.00 = \dots\dots$

&
75mm Wide brickwork reinforcement
in foundations a.b.
 $x 1.00 \times 11.76 \text{ m/m}^2 = \dots\dots$

& DDT
Earth filling a.b.
 $m^3 \times 0.11 \times 0.70 = \dots\dots$

&
E. o. for carting away a.b.
 $m^3 \times 0.11 \times 0.70 = \dots\dots$
_collections D

42.60

0.32

8.02

0.22

3.64

0.11

6.08

0.11

One layer 375 micron embossed
polyethylene dampproof course
in walls

$$\sqrt{50^2 + 85^2}$$

110

99

110

319

_collections A

_collections B

_collections C

_collections D

2/ 21.84

0.47

Extra over brickwork for face brickwork
in "Corobrik" Glaze face bricks
in stretcher bond pointed with
recessed horizontal and vertical joints

900

2/270

540

4 530

110

2 940

9 020

12 820

9 020

21 840

85

215

2/85

170

470

End of foundations

End of measurement