

Elemental Cost Breakdown UNTSO - Library Building

Prepared by Lynsey Davis.

1.1 Substructure

47.62
 20.10
 957.16

Foundations - Ground floor slab, inc insulation and Dpm.

2/ 47.62
 2/ 20.10
 2/2/ 630

150mm Concrete upstand 150 thick

160.64

957.16
 1.50

Trench and Pit Excavation, inc disposal off site.

1435.74 m³

1.2 Pile Foundations

28
 19
 10

Piles & pile Caps
 1 pile
 2 pile
 3 pile

96 Nr

28
 19
 10

pile Caps

96 Nr

2. SuperStructure

2.1 frame

2.1.1.3 Concrete frame

$$2/ \quad 47.62$$

$$2/ \quad 20.10$$

$$135.44$$

$$135.44$$

$$8.76$$

$$1186.45$$

$$1.91$$

$$1.44$$

$$0.84$$

$$2/ \quad 1.93$$

$$2.74$$

$$16.79$$

$$16.79$$

$$8.76$$

$$94.52$$

$$1.14$$

$$3.43$$

$$4.57$$

$$4.57$$

$$8.76$$

$$40.03$$

In situ reinforced
Concrete frame

250 THK to all
Perimeter walls @ 8-76

RC 250 THK Shear walls
to lift @ 8-76.

RC 200 THK Shear
walls to lift @ 8-76

2-1 Frame Centralized
 2-1-4-3 Concrete frame
 RC 280 Shear Wall
 to Stairwell @ 8-76

30-19
 1-48
 2-25
 0-47
 1-18
 1-96

734

734
 8-76

6030

3-47
 RC 200 TMC Shear
 Wall to Stairwell
 @ 8-76

347

347
 8-76

30-40

2-1-4-1 Column
 RC Insitu Concrete
 500 x 300

16

3

14

800 x 385

500 x 500

33
99

3/ 99

99

40 of 19

2. Super Structure 2.2. UNDER FLOORS

Suspended R/c Slab

- First floor @ 275mm

$$\begin{array}{r} 2/ \quad 47.62 \\ 2/ \quad 20.10 \\ \hline 2/ \quad 6.36 \\ 2/ \quad 2.13 \\ \hline \end{array}$$

152.30

Second floor @ 275mm

$$\begin{array}{r} 2/ \quad 47.62 \\ 2/ \quad 20.10 \\ \hline \end{array}$$

135.44

Total area to
upper floors

$$\begin{array}{r} 152.30 \\ \hline 135.44 \\ \hline \end{array}$$

287.74

$$\begin{array}{r} 287.74 \\ 0.28 \\ \hline \end{array}$$

808.66 m²

0719

2.3 Roof

2.3.2 Roof Coverings

2/ 51.50
12.70

Metal Standing Seam
Roof

654.05 m²

26.00
4.30

Solar Panels to
Side Elevation

17.00
4.30

187.05 Ddt

6.35
2.85

PPC metal Ventilation
Lawns

18.10 Ddt

4/ 3.50
1.50

PPC Aluminium
Roof light.

21.00 Ddt

Total Roof Area

427.90 m²

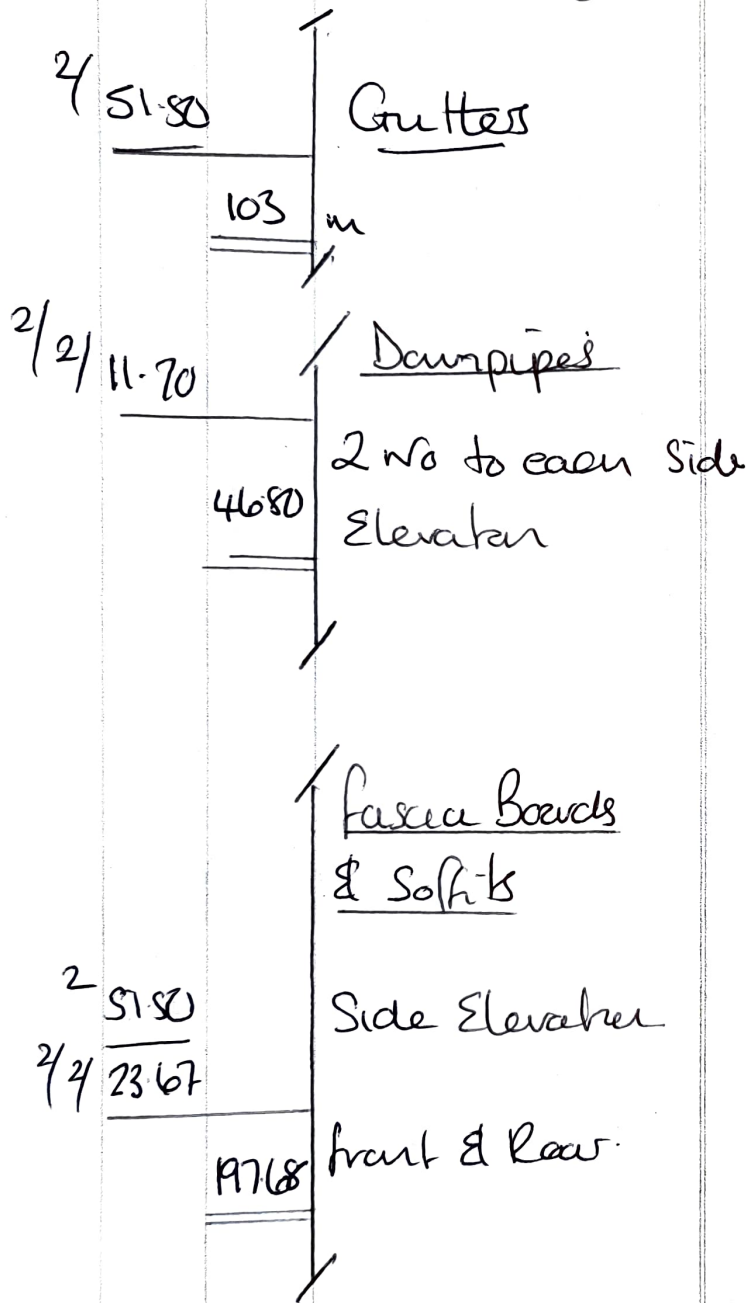
* Roof pitch
and angle unknown

20419

2.3 Continued

2.3.4.

Ran water goods



2.5 External Walls

External Brickwork
Elevation 1 @ 8.63m

1 of 19
2 1/2 0.57
8.63
2 1/2 0.45
8.63
2 5.29
0.93
7.50
0.93

2/ 52.02
2/ 14.54
2/ 143.47

Total area

420.06

* Note
Elevation 6 as 1
Elevation 7 & 9 as 2 & 4
Elevation 9 as 5

52.02

Elevation 2 @ 4.

2/ 1.01
7.20

14.54

Elevation 5 @ 8.63m

48.87
8.63
6 5.41
7.70
2/ 0.46
2.40
3.06
3.23
4.87
3.23

Dat Curtain Wall System
& window area @ 7.70

Dat 01W28 & W15

Dat Gf Cw 25

Dat Gf W02 & W01
& Cw

143.47

8 of 19

External Walls

2.5.7

Curtain Walling

Cw Types 1+2

6.61.
5.52

2/0.5/

6.61
4.88

68.74 m²

Cw Types 3+4

5.29
2.73

2/0.5/

5.29
2.81

29.31 m²

Cw Types 5+6

7.06
7.20

Dot door opening

3.86
2.48

41.26 m²

Cw types 7+8

1.47
7.20

10.58 m²

Cw types 9a, 9b, 10

5.29
7.20

38.08 m²

9.04.19

Continued External Wall Curtain Walling

3.06
1.88

Cw type 11.

5.75 m²

5.41
1.88

Cw type 12, 13a, 13b, 13c, 13d

10.17 m²

4.92
1.88

Cw type 14 + 14a

9.25 m²

3.06
3.23

Cw type 15

9.88 m²

5.416
3.23

Cw type 16 + 17 + 18 + 24

17.47 m²

4.92
3.23

Cw type 19.

15.89 m²

1.36
3.23

Cw type 20

4.39 m²

8/ 5.75

5/ 10.17

2/ 9.25

1/ 9.88

4/ 17.47

15.89

4.39

2/ 68.74

2/ 29.31

2/ 41.26

2/ 10.58

3/ 38.08

889.16 m²

Total Cw System

10 of 19

External walls

2.5.7

↑ Area of Cladding

External Elevation

1 and 6 area.

70.57 20.90
5.47

114.32 m²

20.90
2.76

57.68

172.00 m² Total area.

✓ External Elevation

5 + 10

47.58
10.65

506.3 m²

11 of 19

Windows & Ex Door

2.61 windows

4/ 0.46
2.40

Type 1 460 x 2400

4.42 m²

24/ 1.36
2.40

Type 2 1360 x 2400

Type 2a - "

Type 3 - "

78.34

Type 3a - "

Type 4 - "

10/ 1.36
3.23

Type 5 1360 x 3225

Type 6 "

43.93

4/ 3.45
3.27

Type 7 3450 x 3265

45.13

1201-19

2.1 Internal Wall & Partition

Ground Floor:

Dry lining Partition
to Internal face of
External Walls

@ 3.73

2/ 47.89
2/ 20.47
2 1/2 2.80
3/ 3.30
3.90
4.60
2.60
2.80
2/ 3.40
3.70
2.90
1.70
1.00
4/ 1.60
2 1/2 2.40
5.60
2/ 2.70
2/ 3.90
4.70
4/ 3.40
1.30

327.60

327.60

3.73

1221.95

2.7 Continued.

130mm - thick 70m Shcd
Drying to internal
wall @ 3.73m

$$2/ \overline{8.25}$$

$$3/ \overline{9.45}$$

$$2/ \overline{2.90}$$

$$\overline{3.00}$$

$$\overline{1.00}$$

$$5/ \overline{2.50}$$

$$2/ \overline{5.60}$$

$$3/ \overline{6.26}$$

$$\overline{29.00}$$

$$\overline{2.20}$$

$$2/ \overline{2.13}$$

$$2/ \overline{2.20}$$

$$\overline{136.99}$$

$$136.99$$

$$\overline{3.73}$$

$$\overline{510.97} \text{ m}^2$$

14 of 19

2.7 Continued.First Floor:Dry lining Part has
to Internal face of
External walls

@ 3.73 m.

$$\begin{array}{r} 2/ \quad 48.00 \\ \hline \end{array}$$

$$\begin{array}{r} 2/ \quad 21.00 \\ \hline \end{array}$$

$$\begin{array}{r} 2/ \quad 2.30 \\ \hline \end{array}$$

$$\begin{array}{r} 2/ \quad 4.40 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 6.20 \\ \hline \end{array}$$

$$\begin{array}{r} 2/ \quad 13.70 \\ \hline \end{array}$$

$$\begin{array}{r} 2/ \quad 2.60 \\ \hline \end{array}$$

$$\begin{array}{r} 3/ \quad 3.30 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 3.90 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 4.60 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 2.60 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 2.80 \\ \hline \end{array}$$

$$\begin{array}{r} 2/ \quad 3.40 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 3.20 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 2.90 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 1.90 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 1.00 \\ \hline \end{array}$$

$$\begin{array}{r} 4/ \quad 1.60 \\ \hline \end{array}$$

$$\begin{array}{r} 2/2/ \quad 2.40 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 5.60 \\ \hline \end{array}$$

$$\begin{array}{r} 2/ \quad 2.70 \\ \hline \end{array}$$

$$\begin{array}{r} 2/ \quad 3.90 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 4.70 \\ \hline \end{array}$$

$$\begin{array}{r} 4/ \quad 3.40 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 1.30 \\ \hline \end{array}$$

296.90 @ 3.731107.44

2.7 Continued

5/4/4.20

426

$$2/3 \cdot 50$$

1-30

$$51 \overline{) 2.70}$$
$$2 \overline{) 5.60}$$

21 6 20

$$2 \overline{) 10.30}$$
$$2 \overline{) 320}$$
$$2 \overline{) 3.60}$$
$$2 \overline{) 2.50}$$

2/3-50

$$2 \overline{) 2.60}$$
$$2 \overline{) 2.00}$$

189.50

18950

3.73

7d684

16 01 19

2.7 Continued.

Second floor.

Dry lining to partition
Internal face of external
walls @ 5.73

2/ 47.89

2/ 20.47

3/ 3.30

3.96

4.68

2.66

2.88

4/ 3.46

3.70

2.96

1.90

1.00

4/ 1.60

2/2/ 2.40

5.60

2/ 2.70

2/ 3.40

4.70

4/ 3.40

1.30

645.35

130mm H/LR Partition
Tone Shred @ 2.70

2/ 6.30

1.80

7.00

2/4/ 3.30

31.66

4.10

10 of 19

2-7 Continued.

Second floor.

$$4/ \overline{2.60}$$

$$5/ \overline{6.40}$$

$$21.70$$

$$\overline{3.80}$$

$$2/ \overline{2.30}$$

$$\overline{155.76}$$

$$155.76$$

$$2.70$$

$$\overline{\overline{420.55}}$$

18 of 19

37.1 Floor finished

Total floor area
to all floors

3/ 48.00
21.00

3024

plant room
Ground floor.

4.20
6.50

3.40
4.50

2.20
2.18

Dot cleaners room

37.80

Plant room to
Second floor.

10.00
6.00

60.00

Wet areas - all floors

3/ 6.50
4.00

78.00

Totals.

19 of 19

3.3 Internal finishes

3/ 4800
2100

✓ Ceiling finishes

Gross treat all
floors

3024.

✓