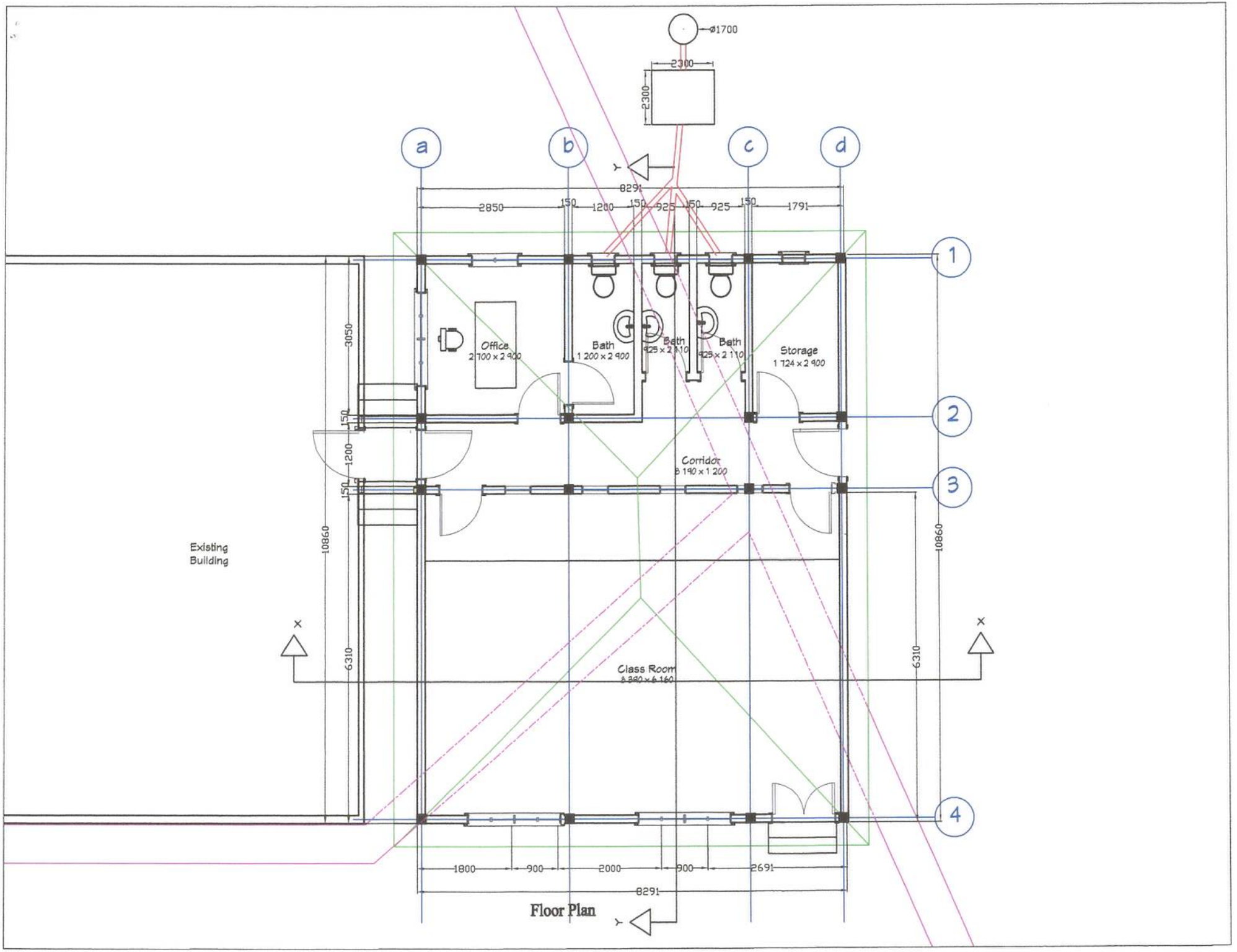
UNITED NATION DEVELOPMENT PROGRAMME (UNDP)

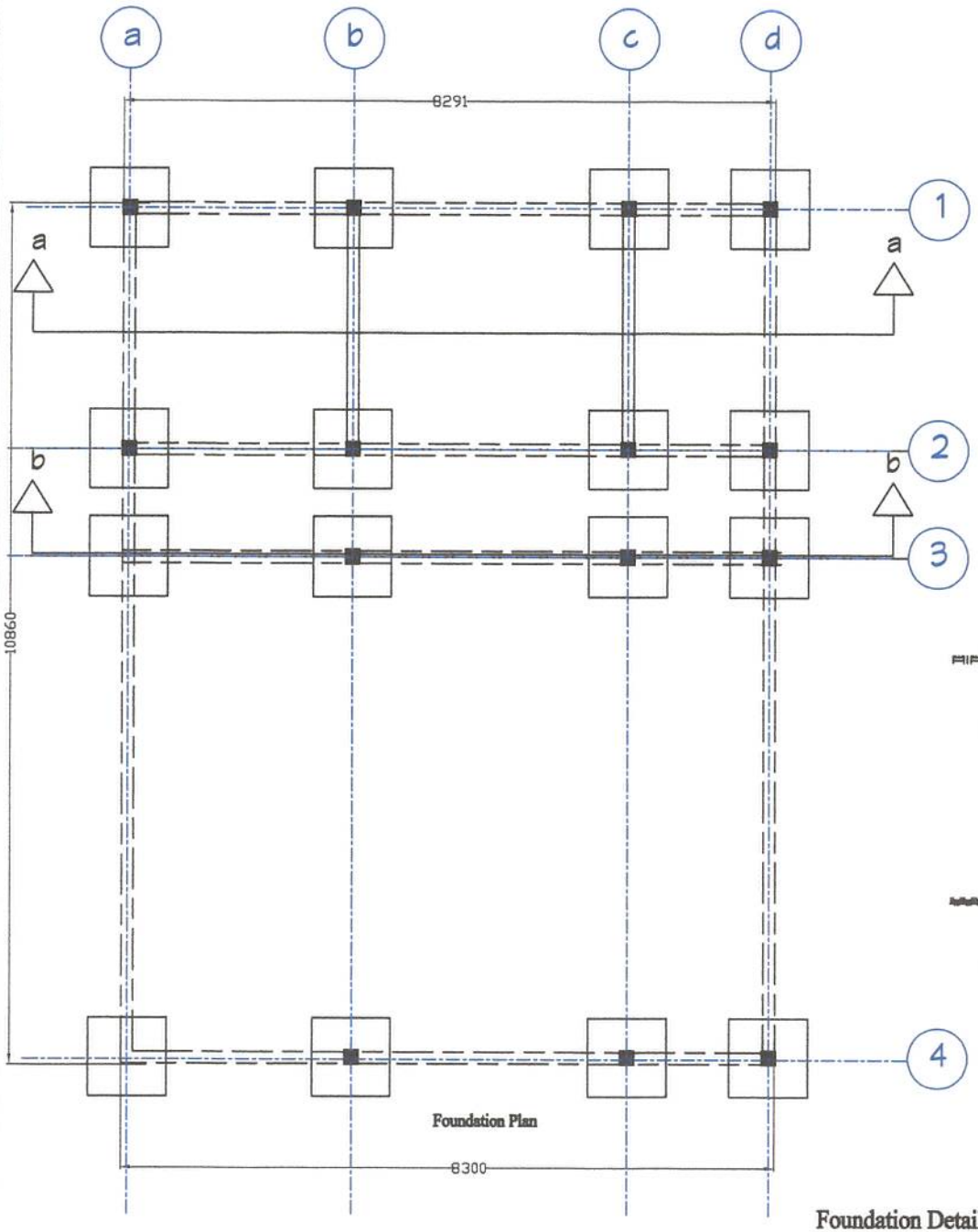
BILL OF QUANTITIES/DRAWINGS

FOR

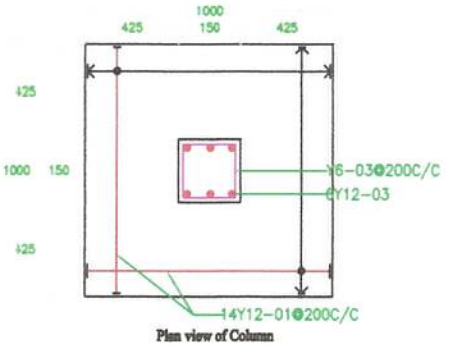
THE CONSTRUCTION OF RENEWABLE ENERGY CENTRE FOR THE INSTALLATION OF COOKSTOVE TESTING LAB EQUIPMENT AT THE GOVERNMENT TECHNICAL INSTITUTE (GTI). KISSY DOCKYARD, FREETOWN.

Submitted by
Ing. Sahr J N Mbayo
Consultant for UNDP

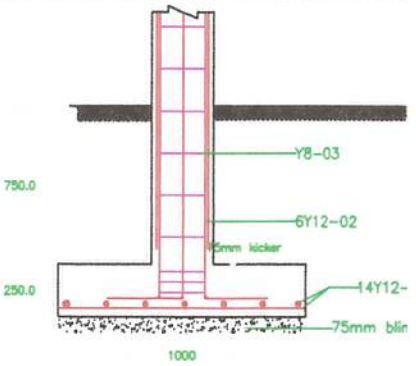

ø1700
2300
2300
a
b
c
d
Y
8291
2850
150
1200
150
925
150
925
150
1791
1
2
3
4
Office
2 700 x 2 900
Bath
1 200 x 2 900
Bath
925 x 2 110
Bath
925 x 2 110
Storage
1 724 x 2 900
Corridor
8 190 x 1 200
Existing
Building
3050
150
1200
150
10860
10860
6310
6310
X
X
Class Room
8 390 x 6 160
1800
900
2000
900
2691
8291
Y
Floor Plan



Foundation Plan

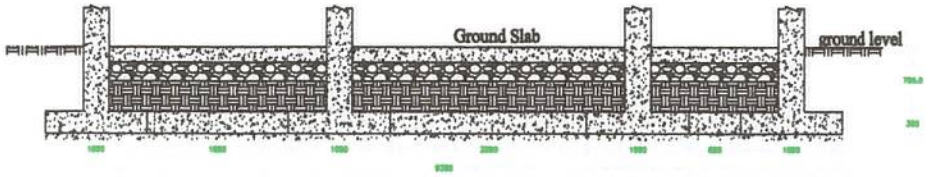


Plan view of Column



Detail of column and column base

COLUMN			BASE		
TYPE	SIZE (mm)	NUMBER	TYPE	SIZE (m)	NUMBER
C	300 X 300	16	B	1200 X 1200	16

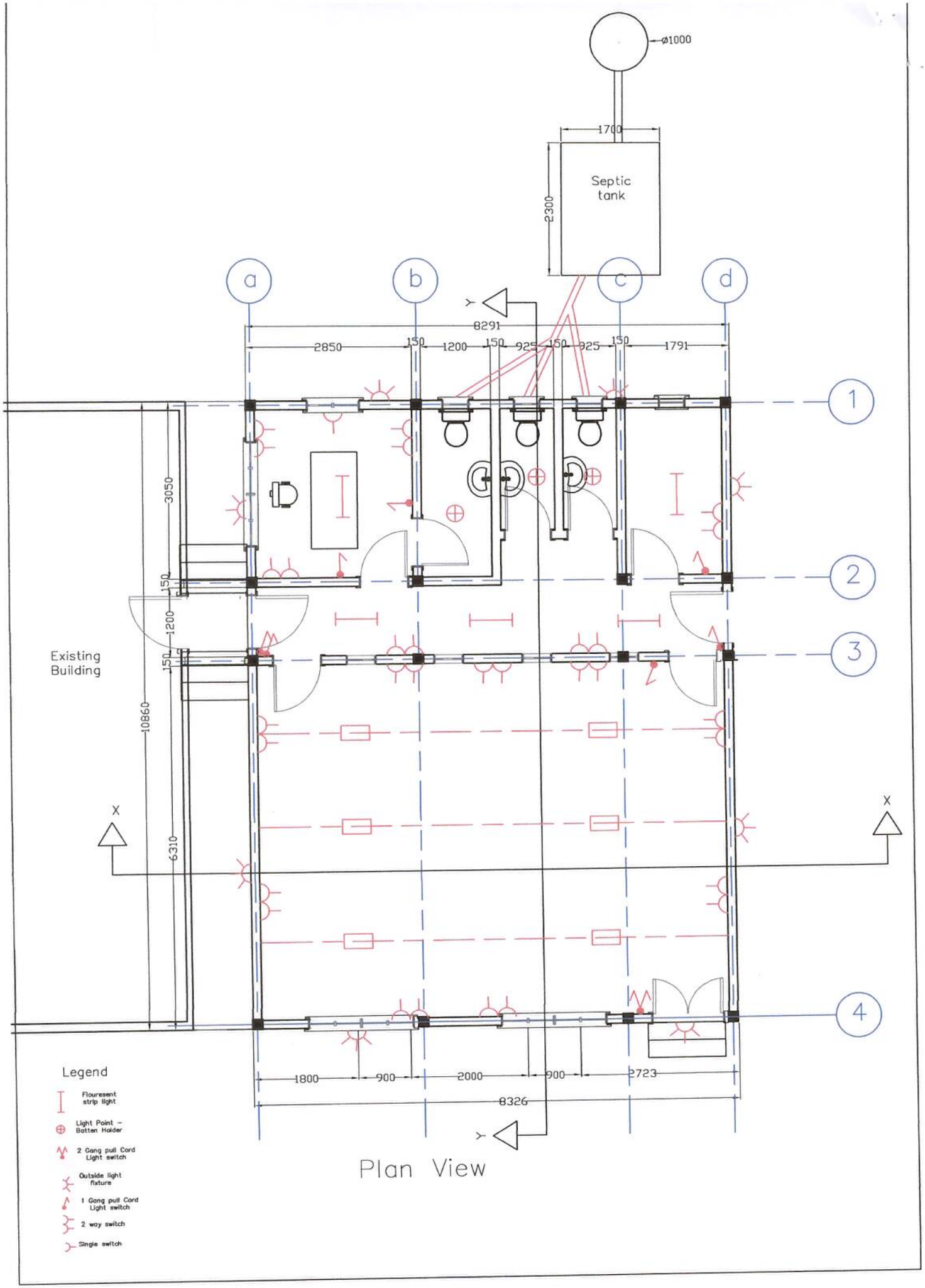


section a-a

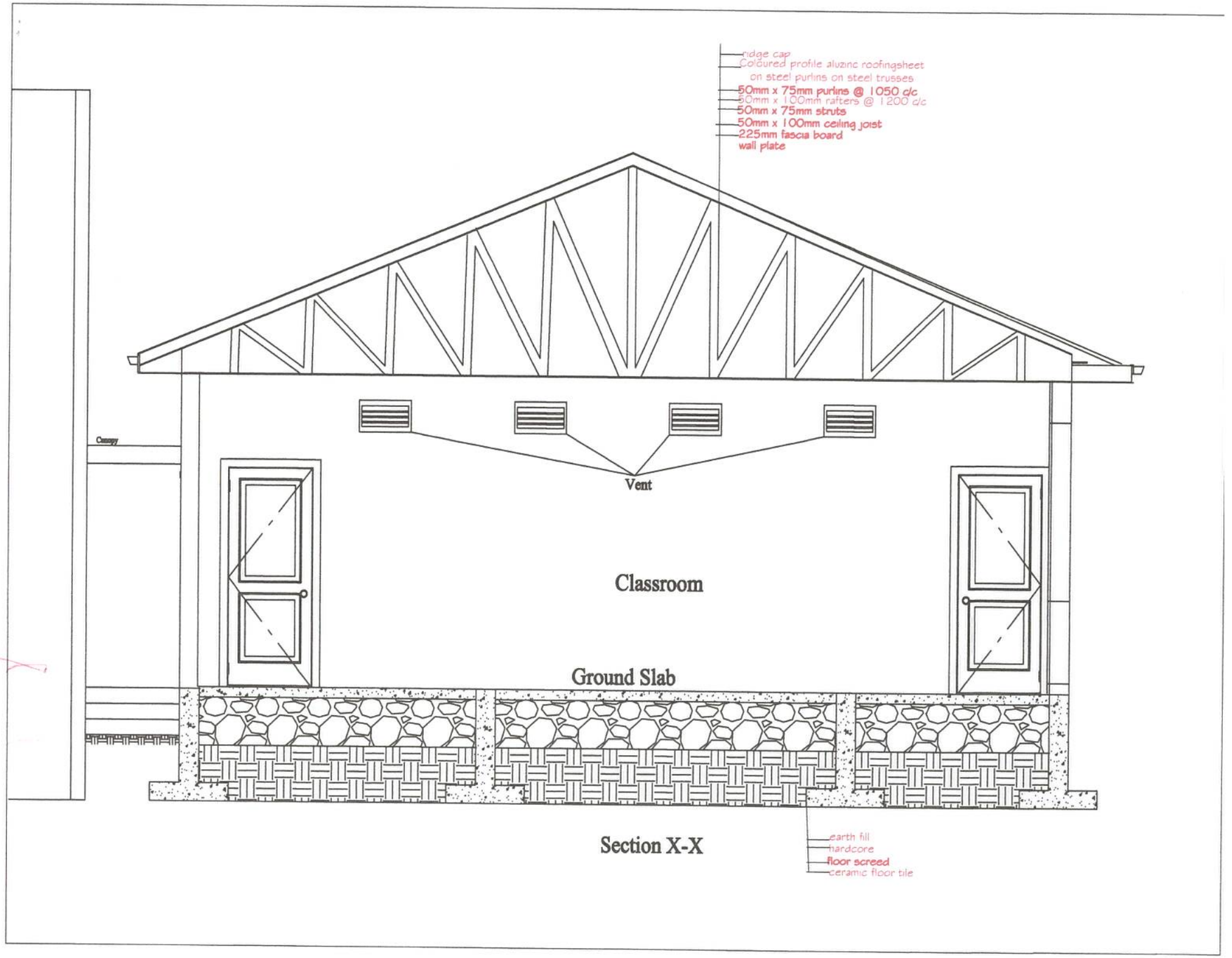


section b-b

Foundation Detail

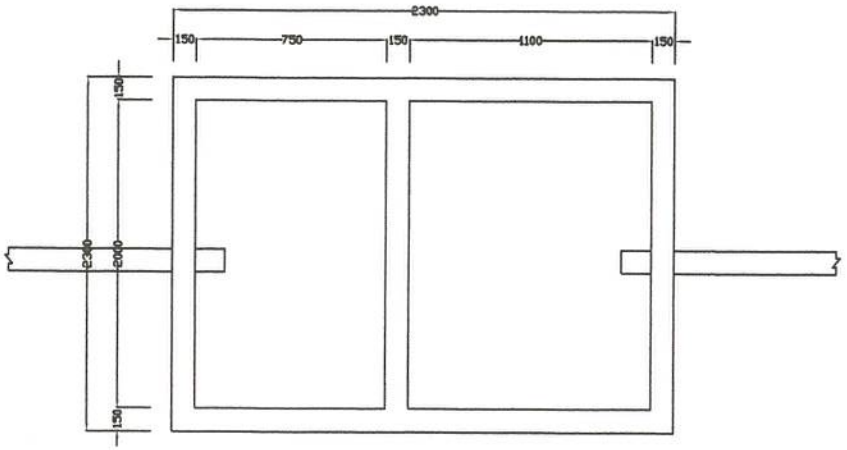

Ø1000
1700
Septic tank
2300
a
b
c
d
8291
2850
150
1200
150
925
150
925
150
1791
1
2
3
4
3050
150
1200
150
10860
6310
Existing Building
X
X
Y
Y
1800
900
2000
900
2723
8326
Legend
Flouresent strip light
Light Point – Batten Holder
2 Gang pull Cord Light switch
Outside light fixture
1 Gang pull Cord Light switch
2 way switch
Single switch

Plan View

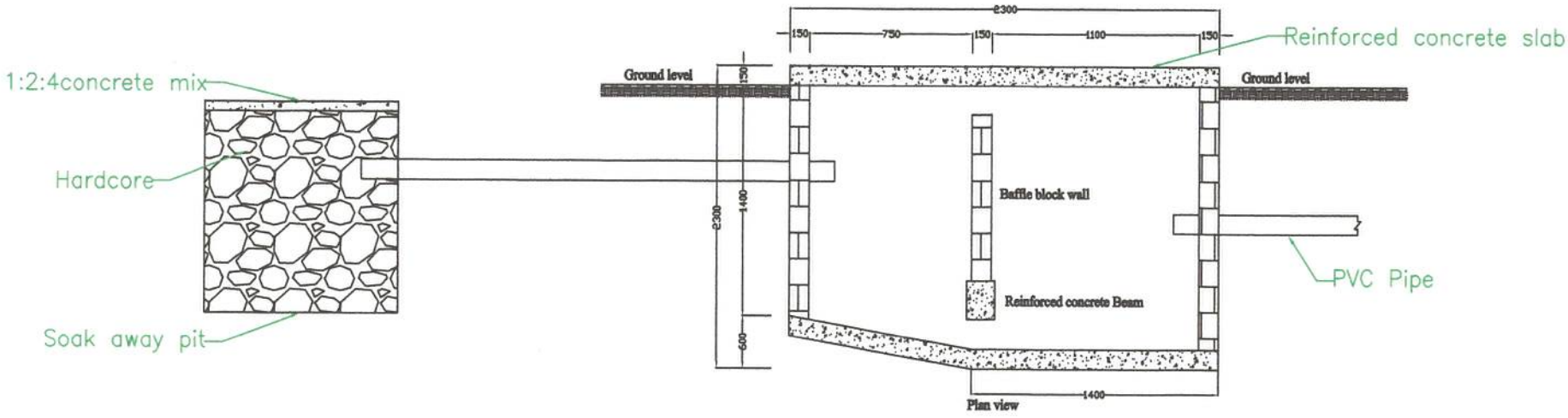

ridge cap
Coloured profile aluzinc roofingsheet
on steel purlins on steel trusses
50mm x 75mm purlins @ 1050 c/c
50mm x 100mm rafters @ 1200 c/c
50mm x 75mm struts
50mm x 100mm ceiling joist
225mm fascia board
wall plate
Canopy
Vent
Classroom
Ground Slab
earth fill
hardcore
floor screed
ceramic floor tile

Section X-X

Details of Septic Tank and Soakaway pit



Plan view



Plan view



Front view



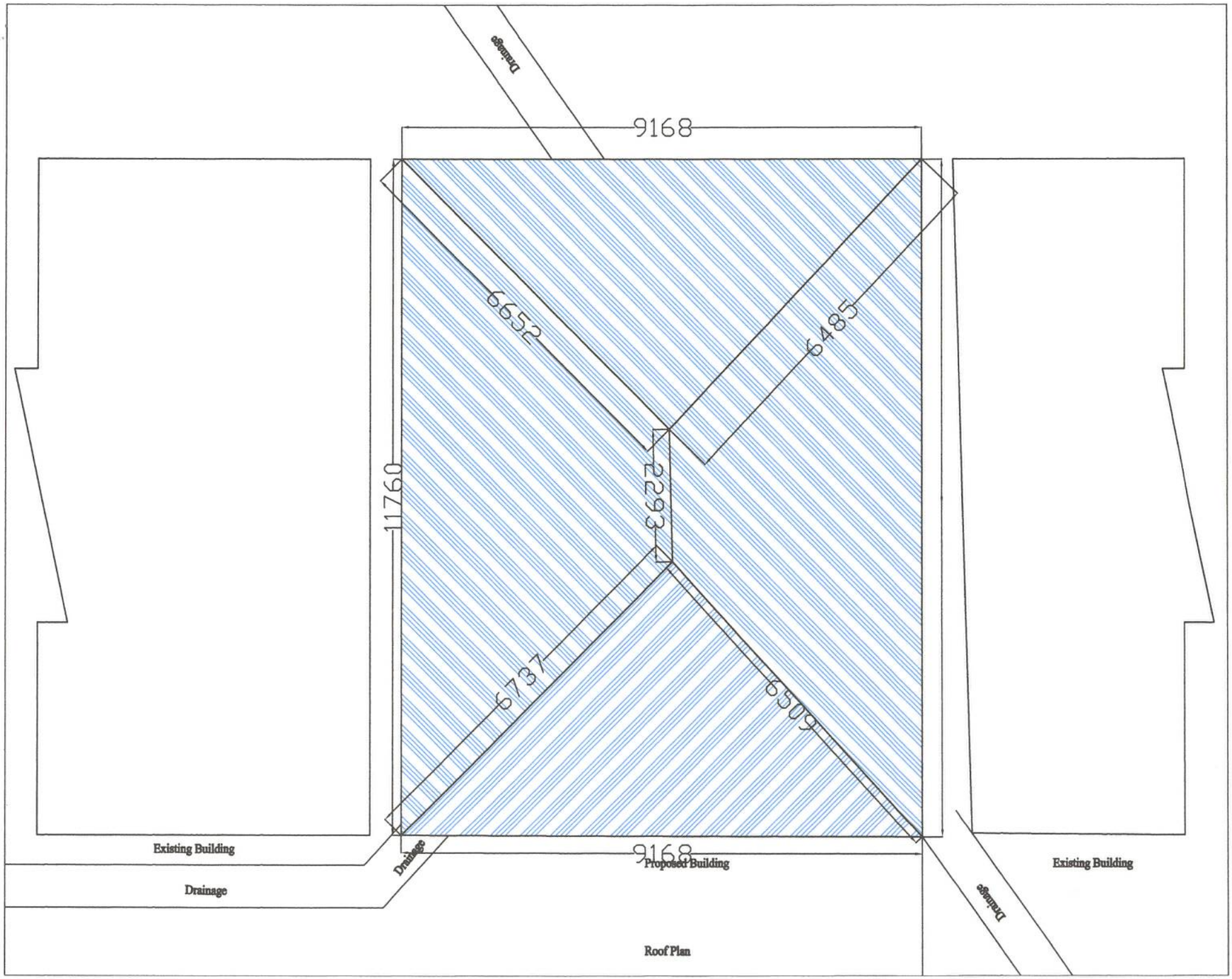
Back view



Left view



Right view


Drainage
9168
6652
6485
11760
2293
9737
6509
Existing Building
Drainage
9168
Proposed Building
Existing Building
Drainage
Drainage
Roof Plan