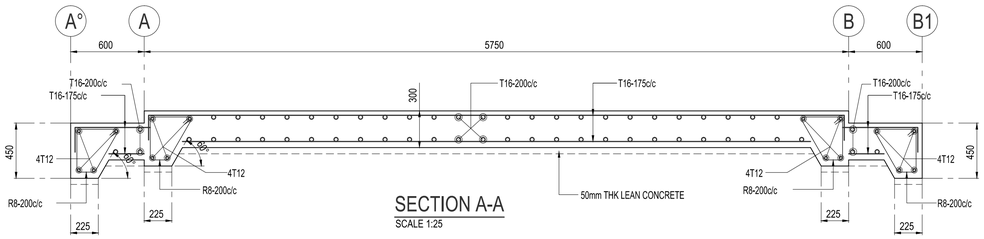
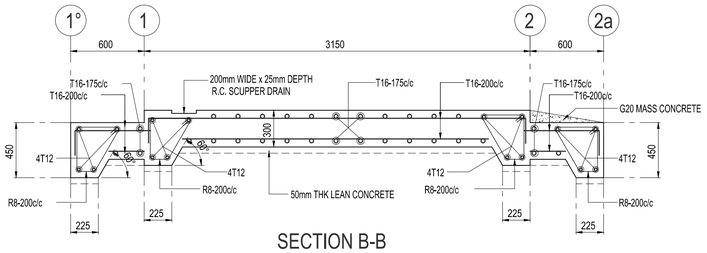
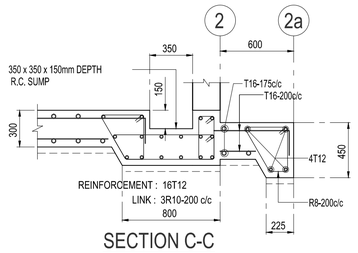
GROUND FLOOR SLAB



SECTION A-A
SCALE 1:25



SECTION B-B
SCALE 1:25

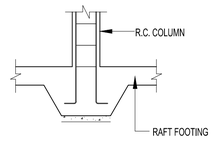


SECTION C-C
SCALE 1:25

COLUMN REF.	C1
ROOF LEVEL TO GRD. FL. LEVEL	225 / 225
REINF.	4T12
LINK	R8-125c/c
COLUMN SIZE	225 X 225

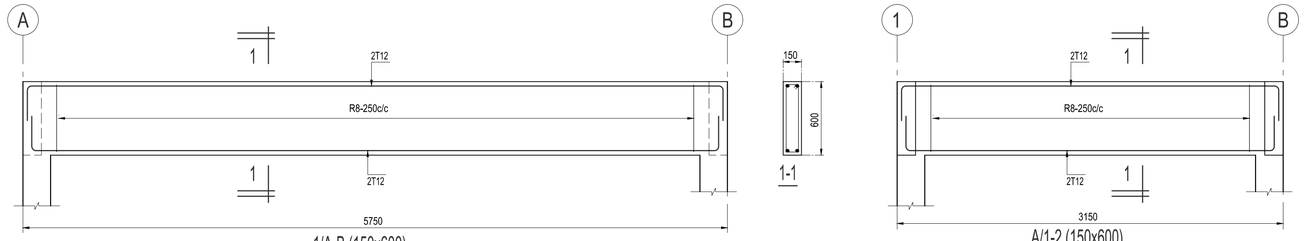
COLUMN SCHEDULE

SCALE: 1:25



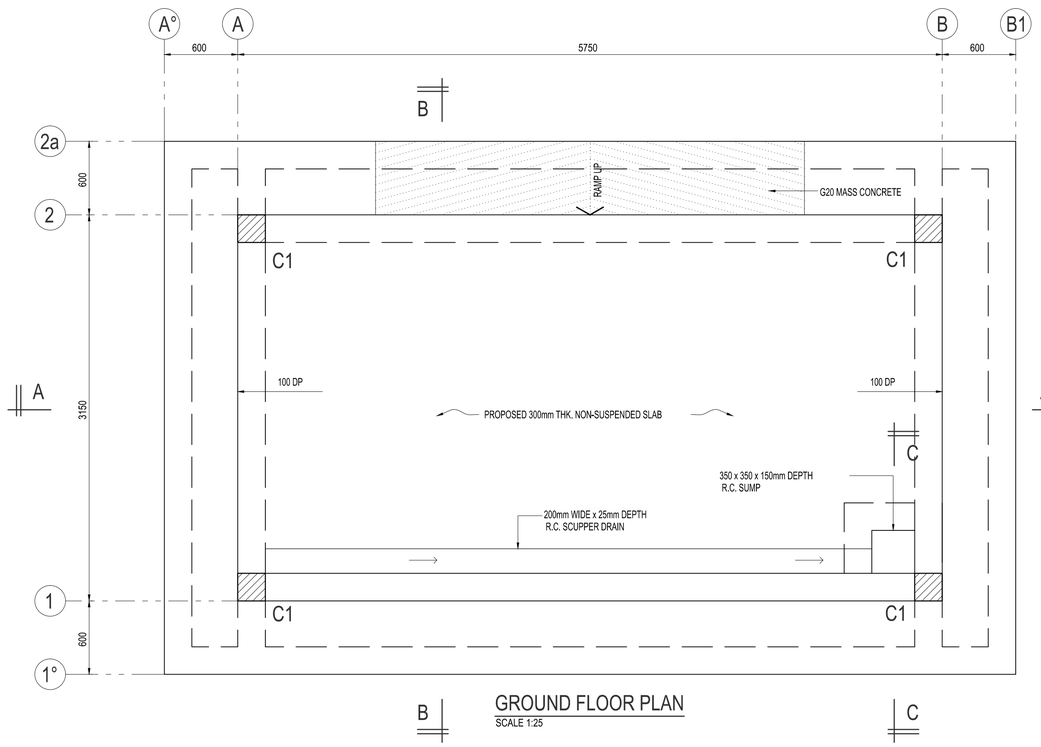
TYPE 1
COLUMN
SCALE: 1: 25

ROOF BEAM

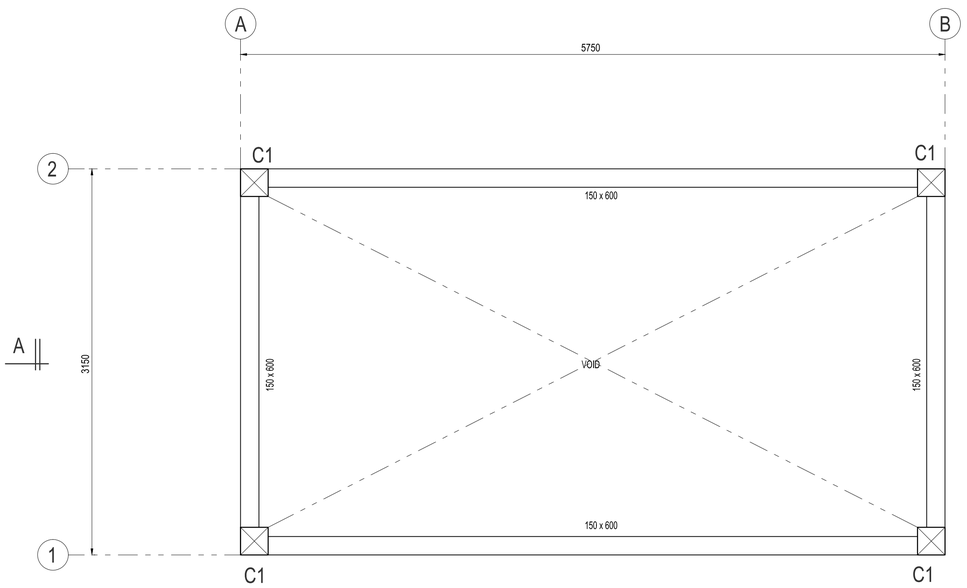


1/A-B (150x600)
2/A-B (SIMILAR)

A/1-2 (150x600)
B/1-2 (SIMILAR)



GROUND FLOOR PLAN
SCALE 1:25



ROOF PLAN
SCALE 1:25

NOTES:

A. CONCRETE

(i) Concrete shall be generally Grade 30 concrete which is having the characteristic strength of 30 N/mm² minimum at 28 days.
(ii) Slab thickness does not include floor finishes.
(iii) Slabs and beams must be placed monolithically unless otherwise stated.
(iv) Spacer bars of 25mm dia. shall be provided at 1200mm c/c for reinforcement exceeding one layer in beam.
(v) During construction, care shall be taken to maintain the structure in a stable condition and to ensure that no part shall be overstressed under construction activities.
(vi) Fine and coarse aggregates shall comply with BS 882 and BS 1201, nominal coarse aggregates size shall be 20mm unless otherwise stated.
(vii) All exposed edges to be chamfered 20mm x 20mm unless otherwise indicated.
(viii) The maximum concrete slump shall be determined during trial mixes and shall be approved by the engineer.
(ix) All concrete shall be compacted using mechanical vibrators in accordance with the specification for concrete works.
(x) The minimum clear cover to main reinforcement shall be as follows:
50mm for works below ground
25mm for columns and beams above ground and slabs on fill
12mm for suspended slab

B. REINFORCING STEEL

(i) Type of reinforcement required to BS4449:1978 are denoted by the following symbols :
R - Mild steel bar characteristic strength 250 N/mm².
T - High yield Type 2 deformed bars, characteristic strength 460 N/mm².
(ii) Steel fabric : BS4483
(iii) Bending of reinforcement shall be accordance with BS 4466
(iv) Laps other than those shown in the drawings shall be made only with the approval of the engineer. This approval may not be given in area of high reinforcement stress and/or congestion of reinforcement.
(v) All lap length shall comply with the requirements of BS8110. Splices shall be staggered wherever possible.
(vi) Anchorage and minimum lap length for Type 2 deformed yield bars.

Diameter	Lap Length	Tension Anchorage
T10	400	400
T12	480	480
T16	640	640
T20	800	800
T25	1000	1000
T32	1280	1280

(vii) Cranking of column bars shall not exceed a slope 1:10.

These lengths are to be increased by a factor of 1.4 where the clear distance between adhacent laps is less than the greater of 75mm or 6 x the size of the lapped rebar.

PELANGGAN :

KEMENTERIAN PERUMAHAN DAN KERAJAAN TEMPATAN

PEMILIK BANGUNAN / PENGGUNA :

JABATAN BOMBA DAN PENYELAMAT MALAYSIA
JABATAN BOMBA DAN PENYELAMAT MALAYSIA
LEBUH WAWASAN, PRECINT 7
62250 PUTRAJAYA.

AGENSI PELAKSANA :

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CAWANGAN PENGURUSAN PROJEK, ARAS 5-8, NO 51, PERSIARAN PERDANA, PRESINT 4, 62100 PUTRAJAYA
KPKT

Ar. HJ. ZAMHURI BIN RAMLI
TIMBALAN SETIAUSAHA BAHAGIAN (PP1)
BAHAGIAN PEMBANGUNAN DAN PELAKSANAAN PROJEK
KEMENTERIAN PERUMAHAN DAN KERAJAAN TEMPATAN

TAJUK PROJEK :

CADANGAN PEMBINAAN PROJEK BALAI BOMBA DAN PENYELAMAT BEAUFORT BERSERTA KEMUDAHAN TAMBAHAN MENARA LATIHAN, SETOR LOGISTIK, KOLAH AIR, PADANG KAWAD, RUMAH SAMPAH DAN PENCAWANG ELEKTRIK SESB DI ATAS LOT NO 175331227, JALAN KOMPLEKS SUKAN, DAERAH BEAUFORT, 89800 PEKAN BEAUFORT, SABAH.
UNTUK TETUAN:
JABATAN BOMBA DAN PENYELAMAT MALAYSIA

JURUTERA AWAM & STRUKTUR

AKTIF FA KONSULT SDN BHD
CONSULTING CIVIL & STRUCTURAL ENGINEERS, PROJECT MANAGERS
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FAX : 088-236798
E-MAIL : aktifa88@yahoo.com
aktifa88@gmail.com
(Co. No. 278689X)

I hereby certify that the works have been designed by me in accordance with good engineering practice and that I take full responsibility for the design and proper performance of the same.

SIGNATURE AND ENGINEER'S CHOP

ENGINEER'S SIGNATURE

TAJUK LUKISAN :

RUMAH SAMPAH
GROUND FLOOR PLAN, ROOF PLAN,
GROUND FLOOR SLAB SECTIONS,
ROOF BEAM DETAILS AND COLUMN SCHEDULE

DILUKIS	FL	
DISEMAK	SYLVIA	
TARIKH	SEPT. 2019	
SKALA	AS SHOWN	FAIL
NO. LUKISAN	AFA/P572/2019/ST/BIN/01	

☐ PRELIMINARY ☐ SUBMISSION ☒ CONSTRUCTION
☐ INFORMATION ☐ TENDER ☐ AS-BUILT DRWG