REMT

RFIT

REQUEST FOR INSPECTION AND TESTING

PROJECT :	CADANGAN PEMBINAAN BALAI BOMBA DAN PENYELAMAT BEAUFORT SABAH	PROJECT NO :	BOMBA-BEAUFORT
TO :	Noor Izwan Architect	REF NO :	RFIT/BOMBA/2020/ARC/ 04
ATTN. :	Mr. Syahril Mohd Ariffin		

The following works / tests are ready for inspection / will be conducted at 9-00 am (time) on 23.9.2020 (date).

DESCRIPTION OF WORKS

Location : Rumah Sampah

Nature of Work : inspection and confirmation of location of Rumah Sampah.

Sketches (if required) :

(Note : Where required, include details of materials, labour and plant / equipment to be used).

Submitted by		Received by COW / RE	
Signature :	RONNY BIN LESA SITE AGENT REMT UTAMA SDN. BHD.	Signature :	SYAHRIL MOHD ARIFFIN INSPECTOR OF WORK COWAM PPM 315 BEM W12782
Name :		Name :	
Time/Date :	22.9.2020	Time/Date :	23/09/2020

c.c. 1 2 3 4

INSPECTION/TEST RESPONSE

☑ Inspection / Test acceptable / passed. Work are allowed to proceed.

☐ Remedial works listed on the right to be completed but no further inspection required.

☐ Remedial works listed on the right to be completed and re- inspection required on _____ (date) at _____ (time)

Signature : SYAHRIL MOHD ARIFFIN INSPECTOR OF WORK COWAM PPM 315 BEM W12782 (COW/RE)

Date :

Remarks /Remedial Works:

RE-INSPECTION/RE-TEST RESPONSE :

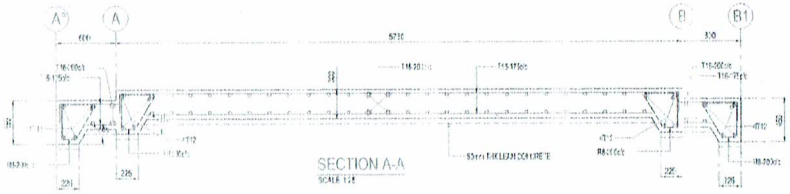
☐ Re-inspection /Re- test acceptable / passed. Work are allowed to proceed.

☐ Further Remedial works listed on the right to be completed but no further inspection required.

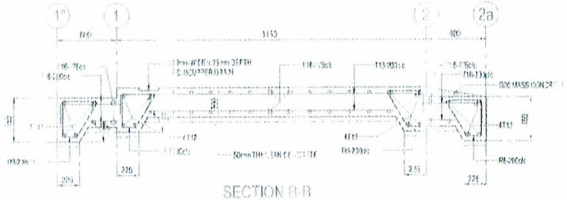
Signature : (COW/RE)

Remarks /Remedial Works:

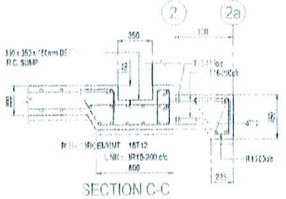
GROUND FLOOR SLAB



SECTION A-A
SCALE 1:25



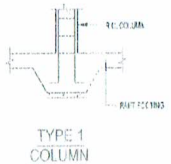
SECTION B-B
SCALE 1:25



SECTION C-C
SCALE 1:25

COLUMN REF.	C1
ROOF LEVEL TO GRD. FL. LEVEL	
PRIME	8T12
LINK	R8-150c/c
COLUMN SIZE	230 x 230

COLUMN SCHEDULE
SCALE 1:25



TYPE 1 COLUMN
SCALE 1:25

NOTES:

A. CONCRETE

(i) Concrete shall be grade 30 (Grade 30 concrete which is based on the characteristic strength of 30 N/mm² minimum at 28 days.

(ii) Slab thickness denotes to the base thickness.

(iii) Slabs and beams must be designed monolithically unless otherwise stated.

(iv) Spacer bars (12 mm dia.) shall be provided at 1200 mm c/c maximum to support reinforcement according to layout drawings.

(v) During construction, care shall be taken to maintain the structure in a stable condition and to ensure no part shall be overstressed under construction activities.

(vi) Fine and coarse aggregates shall comply with BS 882 and BS 1201, nominal coarse aggregate size shall be 20mm unless otherwise stated.

(vii) All exposed edges to be chamfered 25mm x 25mm unless otherwise indicated.

(viii) The minimum concrete cover (nominal) shall be determined during design 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:

50 mm for works below ground
25 mm for columns not exposed to weather and slabs not exposed to weather or ground
15 mm for suspended slabs

B. REINFORCING STEEL

(i) Type of reinforcement (as set to BS 4449:1978 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: BS 4483

(iii) Bending of reinforcement shall be in accordance with BS 4466.

(iv) Laps other than those shown on the drawings shall be made only with the approval of the engineer. The approval may not be given in areas of high reinforcement stress or for congested nodal reinforcement.

(v) All lap length shall comply with the requirements of BS8110. Splices shall be staggered wherever possible.

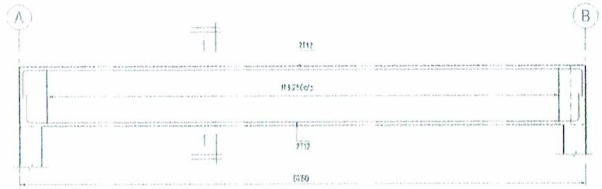
(vi) Anchorage and minimum lap length for Type 2 deformed bars:

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

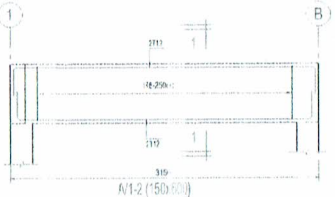
(vii) Cranking of column bars will not exceed a slope 1:10.

These lengths are to be increased by a factor of 1.4 where the clear distance between adjacent bars is less than the greater of 75 mm or 6 x the size of the largest bar.

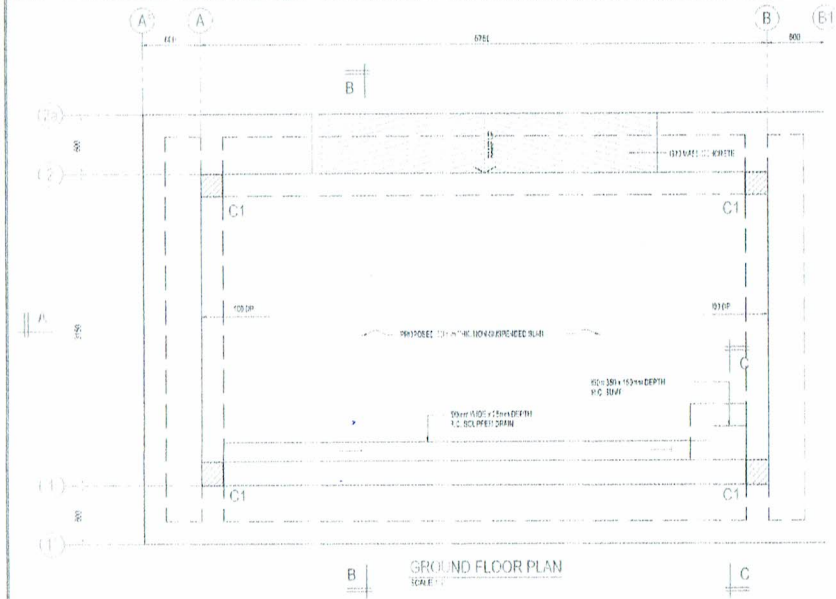
ROOF BEAM



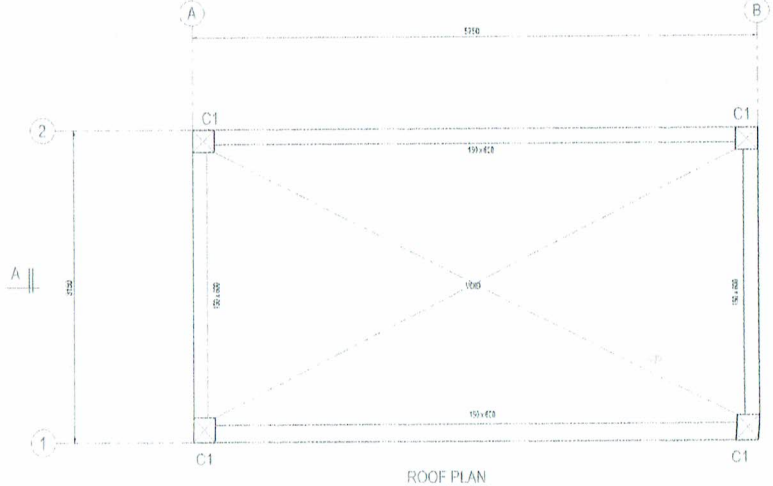
1/A-B (150x600)
2/A-B (SIMILAR)



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



GROUND FLOOR PLAN
SCALE 1:25



ROOF PLAN
SCALE 1:25

PELAN INDUK

KEMENTERIAN PERUMAHAN DAN KERAJAAN TEMPATAN

PENGURUSAN PROJEK

JABATAN BOMBA DAN PENYELAMAT MALAYSIA

KEMENTERIAN PERUMAHAN DAN KERAJAAN TEMPATAN
IBU PEJABAT JABATAN BOMBA DAN PENYELAMAT MALAYSIA
BANGUNAN JABATAN PERKHIDMATAN PENGURUSAN
KOMPLEKS JABATAN BOMBA DAN PENYELAMAT MALAYSIA

KPKT

ARKITEK

ALAMAT PEJABAT

PERUNDING STRUKTUR

AK TIEFA KONSULT SDN BHD
(CONSULTING CIVIL & STRUCTURAL ENGINEERS)
NO 1 MANAGER
LOT 12 & 19, 2ND FLOOR, BLOCK C
KOTA KINABALU CITY PLAZA PHASE 4,
88000 KOTA KINABALU, SABAH.
TEL : 088-236268
FAX : 088-236269
E-MAIL : akkba88@streamyx.com
akkba88@gmail.com

I hereby certify that the works have been designed by me or in accordance with my instructions in accordance with good engineering practice and that I am in full responsibility for the adequacy and proper performance of the same.

ENGINEER'S SIGNATURE

PERUNDING MEKANIKAL & ELEKTRIK

PERUNDING LANDSKAP

PERUNDING PENGURUSAN PROJEK

PERUNDING KUANTITI

PERUNDING LAIN-LAIN

NAMA PROJEK

CADANGAN MEMBINA PROJEK BALAI BOMBA DAN PENYELAMAT BEAUFORT BERSERTA KEMUDAHAN TAMBAHAN SEPERTI MENARA LATIHAN, SETOR LOGISTIK, KOLAM AIR, PERUMAHAN KEMBAR, RUMAH KEDAI 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

NAMA LUKISAN

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

DILUKIS	FI
DISEMAK	S'YA
TARIKH	SEPT. 2013
SKALA	AS SHOWN @ A1
NO. LUKISAN	AFA/01572/2013/STRUCT

PRELIMINARY | SUBMISSION | AS CONSTRUCTED
BLUEPRINT | TENDER | BUILT DRAWN