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/ 15
ATTN. :	Mr. Syahril Mohd Ariffin		

The following works / tests are ready for inspection / will be conducted at 9.00AM (time) on 7.4.21 (date).

DESCRIPTION OF WORKS

Location : STOR LOGISTIK

Nature of Work : inspection for Anti termite Spray. Ground Beam Area.

Sketches (if required) :

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

Submitted by		Received by COW / RE	
Signature :		Signature :	SYAHRIL MOHD ARIFFIN INSPECTOR OF WORK COWAM PPM 315 BEM W12782
Name :	RONNY BIN LESA SITE AGENT REMT UTAMA SDN. BHD.	Name :	
Time/Date :	6.4.21	Time/Date :	

c.c. 1 3

2 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 (COW/RE) COWAM PPM 315 BEM W12782

Date :

Remarks /Remedial Works:

please proceed to next stage as soon as possible

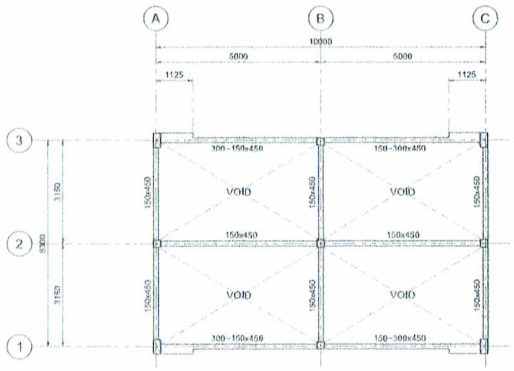
RE-INSPECTION/RE-TEST RESPONSE :

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

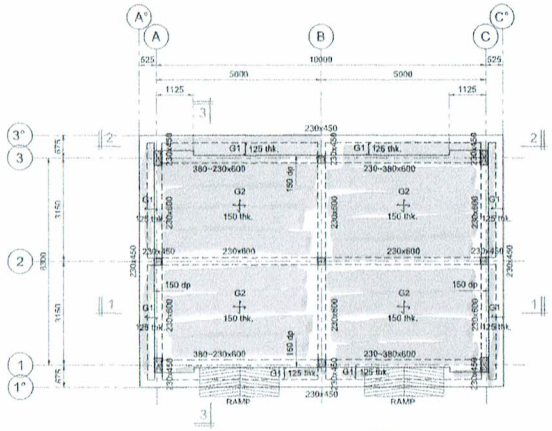
☐ Further Remedial works listed on the right to be completed but no further inspection required.

Signature : (COW/RE)

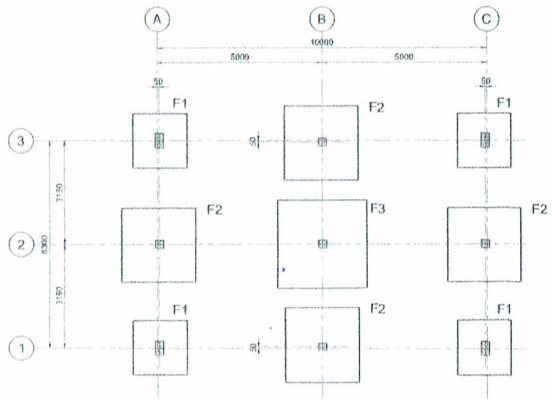
Remarks /Remedial Works:



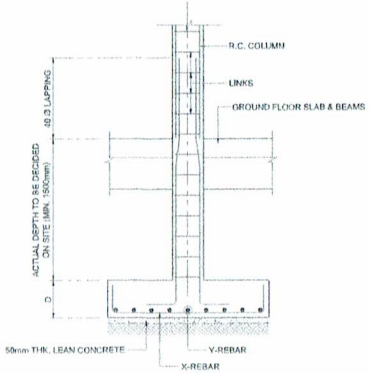
ROOF PLAN
SCALE 1:75



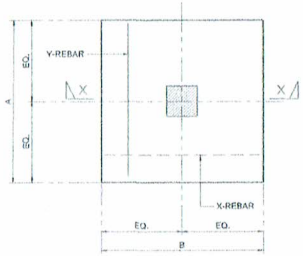
GROUND FLOOR PLAN
SCALE 1:75



FOOTING PLAN
SCALE 1:75



SECTION X-X



PLAN

TYPICAL DETAIL OF FOOTING
SCALE : 1:25

PAD FOOTING	PAD FOOTING DIMENSIONS			REINFORCEMENT	
MARK	A,mm	B,mm	D,mm	X-REBAR	Y-REBAR
F1	1650	1650	375	11T10	11T10
F2	2250	2250	375	18T10	18T10
F3	2700	2700	450	20T12	20T12

FOOTING SCHEDULE

COLUMN REF.	1/A 3/A 1/C 3/C	1/B 3/B 2/A 2/B 2/C
ROOF LEVEL TO GRD. FL. LEVEL	225 / 450	225 / 225
REINF.	4T16	4T12
LINK	R8-175c/c	R8-125c/c
COLUMN SIZE	225 X 450	225 X 225
GRD. FL. LEVEL TO FOUNDATION	250 / 450	250 / 250
REINF.	4T16	4T16
LINK	R8-175c/c	R8-175c/c
COLUMN SIZE	250 X 450	250 X 250

COLUMN SCHEDULE
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 adjacent bars is less than the greater of 25mm or 6 x the size of the lapped rebar.

FOUNDATION NOTES:

1. FOUNDATION SHALL BE FOUNDED ON GROUND FORMATION WITH A MINIMUM SAFE BEARING CAPACITY OF 75kN/m².
2. ALL FORMATION LEVELS OF THE FOOTING SHALL BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE COVERED WITH A LAYER OF 50mm THICK LEAN CONCRETE.
3. CONCRETE COVER FOR ALL PAD FOOTINGS SHALL BE 50mm
4. ALL CONCRETE USED FOR FOUNDATION AND STUMP SHALL BE OF GRADE 30.

RFI : 15

Anti termite Spray.

PELANGGAN :

KEMENTERIAN PERUMAHAN DAN KERAJAAN TEMPATAN

PEMBUK RANCANGAN / PENGGUNA :

JABATAN BOMBA DAN PENYELAMAT MALAYSIA
JABATAN BOMBA DAN PENYELAMAT MALAYSIA
LEBUH WAWASAN, PRECINCT 7
62250 PUTRAJAYA

AGENSI PELAKSANA :

KEMENTERIAN PERUMAHAN DAN KERAJAAN TEMPATAN
BAHAGIAN PEMBANGUNAN DAN PELAKSANAAN PROJEK
CAWANGAN PENGURUSAN PROJEK, ARAS 5-8, NO 51,
PERSIARAN PERDANA, PRESINT 4, 62100 PUTRAJAYA.

KPKT

AL HJ ZAMHUNIBIN RAMLI
TIMBALAN KETUA(KSU) BAHAGIAN (PT1)
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, KOLAM 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

JURURERA AWAM & STRUKTUR :

AKTIF FA KONSULT SDN BHD
CONSULTING CIVIL & STRUCTURAL ENGINEERS
PROJECT MANAGERS
LOT 17 & 19, 2ND FLOOR, BLOCK C,
DAMAI PLAZA PHASE 4,
JALAN DAMAI, 88809 KOTA KINABALU.
TEL : 088-235786
FAX : 088-236786
E-MAIL : aktifa88@yahoo.com
aktifa88@gmail.com
(Co. No. 276594K)

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 :

SETOR LOGISTIK

FOOTING PLAN, GROUND FLOOR PLAN, ROOF PLAN, FOOTING DETAIL AND COLUMN SCHEDULE

DILUKIS	Yong		
DISEMAK	SYLVIA		
TARIKH	SEPT. 2019		
SKALA	1:25	FAIL	
NO. LUKISAN	AFA/PS72/2019/ST/STORE/01		

PRELIMINARY / SUBMISSION / CONSTRUCTION
INFORMATION / TENDER / AS-BUILT DRWG