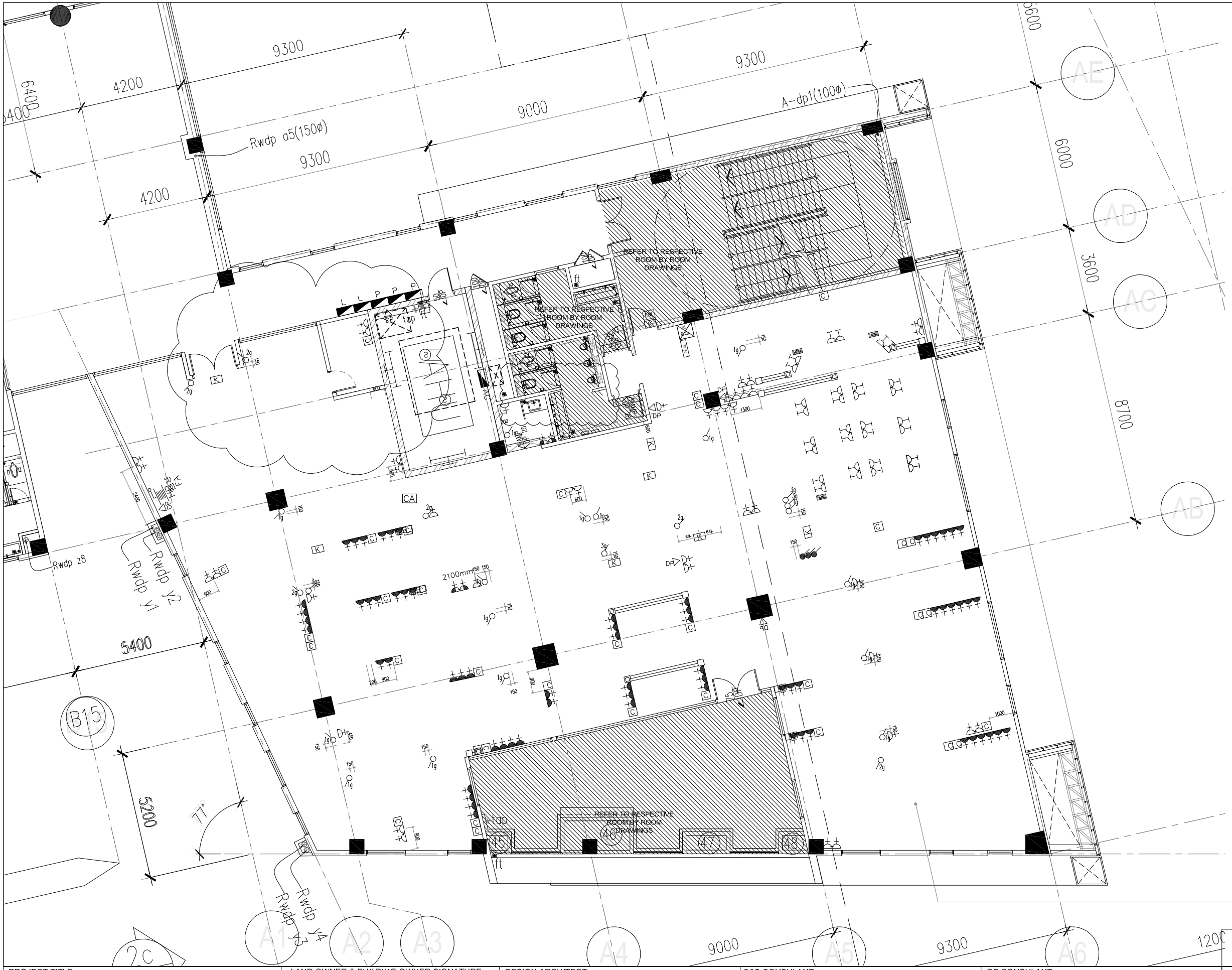

LEGEND : ELECTRICAL INSTALLATION

SYMBOL	DESCRIPTION(S)	QTY
	2 X 28W RECESSED TYPE T5 FLUO. FTG. C/W MIRROR REFLECTOR & ALUMINIUM CROSS BLADE. (ELECTRONIC BALLAST)	79
	20W LED DOWNLIGHT C/W PLASMATIC DIFFUSER	26
	1 X 14W T5 BARE CHANNEL FLUO. LIGHT FTG. C/W ELECTRONIC BALLAST. (COVE LIGHT)	2
	1 X 28W T5 BARE CHANNEL FLUO. LIGHT FTG. C/W ELECTRONIC BALLAST. (COVE LIGHT)	22
	1 X 28W T5 BARE CHANNEL FLUO. LIGHT FTG. C/W ELECTRONIC BALLAST.	3
	PENDENT LIGHTING POINT	–
	CEILING LIGHTING POINT	2
	WALL MOUNTED LIGHTING POINT	–
	1 X 28W T5 WALL MOUNTED TYPE BARE CHANNEL FLUO. LIGHT FTG. C/W SINGLE METAL REFLECTOR (ELECTRONIC BALLAST).	3
	13A SWITCH SOCKET OUTLET AT 900mm AFFL.	67
	13A SWITCH SOCKET OUTLET AT 300mm AFFL.	37
2100mm	13A TWIN SWITCH SOCKET OUTLET AT 2100mm AFFL.	1
	13A TWIN SWITCH SOCKET OUTLET AT 1450mm AFFL.	1
	13A TWIN SWITCH SOCKET OUTLET (RUN IN FLOOR TRUNKING) MOUNTED BELOW TABLE TOP/LOW HEIGHT PARTITION.	15
P	13A SWITCH SOCKET OUTLET AT ABOVE CEILING LEVEL FOR PROJECTOR	2
S	13A SWITCH SOCKET OUTLET AT BELOW CEILING LEVEL FOR SPEAKER	2
WF	13A SWITCH SOCKET OUTLET AT ABOVE CEILING LEVEL FOR WIFI SYSTEM	3
	20A 1 GANG ONE WAY DOUBLE POLE SWITCH (FOR PROJECTOR & SPEAKER)	3
	10A 2/3 GANG TWO WAY LIGHTING SWITCH AT 1450mm AFFL.	– 7 –
	10A 1/3 GANG ONE WAY LIGHTING SWITCH AT 1450mm AFFL.	15 6 4
	ELECTRICAL PANEL AC – AIR CONDITIONING STARTER PANEL P – SMALL POWER ELECTRICAL PANEL L – LIGHTING ELECTRICAL PANEL	1 3 2
	UNDER FLOOR JUNCTION BOX (250mm X 250mm X 56mm) FOR POWER, TELEPHONE & DATA CAST IN FLOOR SLAB. – DATA – 150mm X 25mm X 3.2mm UNDERFLOOR UPVC TRUNKING/CONDUIT. (CAST IN FLOOR SLAB) – POWER – 150mm X 25mm X 3.2 mm UNDERFLOOR UPVC TRUNKING/CONDUIT. (CAST IN FLOOR SLAB)	AS SHOWN
	150mm X 25mm METAL TRUNKING DROPPER	AS SHOWN

LEGEND : FIRE INSTALLATION

SYMBOL	DESCRIPTION(S)	QTY
	PENDENT SPRINKLER (155°F/68°C TEMPERATURE RATING).	95
	UPRIGHT SPRINKLER (155°F/68°C TEMPERATURE RATING).	73
EL	EMERGENCY LIGHT. (SUPPLY & INSTALL BY ELECTRICAL CONTRACTOR)	26
K	8W KELUAR SIGN C/W SELF CONTAINED BACK UP BATTERY (3 HR.) & CHARGER.	8
DP	9 KGS ABC DRY POWDER PORTABLE FIRE EXTINGUISHER.	8
HR	HOSE REEL DRUM C/W 25mmø x 30m (LENGTH) HOSE & NOZZLE.	1
FA BBR	MANUAL BREAKGLASS & ALARM BELL.	1
	SMOKE DETECTOR.	1
	SMOKE DETECTOR IN SAMPLING TUBE.	1

ARCH NOTE:
1) ALL WORKS SHALL BE CARRIED OUT UNDER THE MAIN CONTRACTOR UNLESS SPECIFIED OTHERWISE.
2) CONTRACTOR SHALL REFER CONCURRENTLY TO ARCHITECTURAL SCHEDULE OF FINISHES, WALL TYPE, CEILING TYPE, WINDOW, DOOR, IRONMONGERY AND SANITARYWARE.
3) CONTRACTOR SHALL REFER CONCURRENTLY TO M&E SCHEDULES FOR MECHANICAL, ELECTRICAL ACCESSORIES AND LIGHT FITTINGS.
4) CONTRACTOR SHALL SUBMIT COORDINATED SHOP DRAWINGS BASED ON VERIFIED SITE DIMENSIONS, FOR ARCHITECT'S APPROVAL.
5) CONTRACTOR SHALL SUBMIT ALL PROPOSED MATERIALS AND SAMPLES, FOR ARCHITECT'S APPROVAL.
6) ALL ID FITMENT, SYSTEM & LOOSE FURNITURE REFER TO ID SCHEDULE/ DETAILS (BY ID CONTRACTOR).

M&E NOTE:
1) ALL EQUIPMENT DIMENSION SHOWN IS PRELIMINARY & ACTUAL DIMENSION TO BE DETERMINED BASED ON EQUIPMENT SELECTED.
2) LUX LEVEL DESIGN BASED ON MS STANDARD:1525 (2007)
3) TO MEET MINIMUM REQUIREMENTS OF VENTILATION RATE IN ASHRAE 62.1 OR THE LOCAL BUILDING CODE WHICHEVER IS MORE STRINGENT.
4) THESE DRAWINGS SHALL BE STUDIED IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL & PLUMBING DRAWING.
5) ANY SETTING OUT TO BE DETERMINED BY ANY CONTRACTOR.

CONSTRUCTION DRAWING

PROJECT TITLE :

CADANGAN MEMBINA SEBUAH KOLEJ UNIVERSITI SWASTA DI ATAS PT 5828, PERSIARAN CASSIA BARAT 3, BATU KAWAN, MK. 13, SEBERANG PERAI SELATAN YANG MENGANDUNGI :

BLOK A – PUSAT PENTADBIRAN 5 TINGKAT
BLOK B – PERPUSTAKAAN DAN BILIK KULIAH 6 TINGKAT
BLOK C – BANGUNAN AKADEMIK DAN DEWAN SERBAGUNA B3 TINGKAT DENGAN PODIUM
BLOK D – DEWAN KULIAH DAN KAFETERIA 3 TINGKAT
BLOK E – BANGUNAN AKADEMIK 5 TINGKAT
2 UNIT PONDOK PENGAWAL DAN
1 UNIT TNB 11 KV STESEN SUIS UTAMA

UNTUK: TETUAN KDU COLLEGE (PG) SDN. BHD

LAND OWNER & BUILDING OWNER SIGNATURE :

.....

NAME : DR.CHONG BENG KEOK
CHIEF EXECUTIVE OFFICER (CEO)

IC. NO : 610612-02-5048

ALAMAT :KDU COLLEGE (PG) SDN.BHD.
32, JALAN ANSON, 10400 GEORGE TOWN,
PULAU PINANG.
TEL. NO : 604-2386368

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FAX: (03) 4043-1349
EMAIL: ybhwa@nrasb.com.my

ARCHITECT SIGNATURE : .....

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PERUNDING KELANA
CIVIL & STRUCTURAL ENGINEERS
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Tel: 2622628, Fax: 2641618
(Company No. AS0232772-W)

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Consulting Mechanical & Electrical Engineers.
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JALAN WISMA PANTAI,
12200 BUTTERWORTH, PENANG.

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QS CONSULANT :

UNITECH
UNITECH QS CONSULTANCY SDN. BHD.
12A-A, MENARA NORTHAM,
55, JALAN SULTAN AHMAD SHAH,
10050 PENANG

KITCHEN SPECIALIST :

DiSHES
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SEMENYIH, 43500 SELANGOR
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webmail : www.dishes.com.my

DRAWING TITLE :

BLOCK A_2ND FLOOR
ADMIN OFFICES
FURNITURE LAYOUT PLAN

DATE :	SCALE :	CHECK BY :
23.03.17	1:100	EJ/EDM

PROJECT NO. :	STATUS	BLOCK	DWG. NO	REVISION
55314	CD	A	A105	B