



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

DESIGN ARCHITECT :
ARCHITECTURE GROUP - STUDIO A
CPG CONSULTANTS PTE LTD
1 Gateway Drive #23-01
Westgate Tower, Singapore 608531
Tel : +63574888 ; fax: +63574188
BH YEOW ARCHITECT
15TH FLOOR, BANGUNAN AMMELIFE,
NO.1, JLN. LUMUT, 50400 KUALA LUMPUR.
TEL: (30)-4046-1346
FAX: (03) 4043-1349
EMAIL: ybhwa@nrasb.com.my

C&S CONSULTANT :
PERUNDING KELANA
CIVIL & STRUCTURAL ENGINEERS
Level 12, Unit 12(D), Wisma Boon Siew,
No.1, Penang Road, 10000 Penang.
Tel: 2622628, Fax: 2641618
(Company No. A50232772-W)
M&E CONSULTANT :
PERUNDING P.L.A.
Consulting Mechanical & Electrical Engineers.
8-01, WISMA PANTAI,
JALAN WISMA PANTAI,
12200 BUTTERWORTH, PENANG.
TEL. NO. : (604) 3337990
FAX NO. : (604) 3317337
E-MAIL : project@pla-group.com

QS CONSULTANT :
UNITECH QS CONSULTANCY SDN. BHD.
12A-A, MENARA NORTHAM,
55, JALAN SULTAN AHMAD SHAH,
10050 PENANG
KITCHEN SPECIALIST :
DISHES SDN BHD
NO. 21-1, JALAN SEMENYIH SENTRAL 1,
SEMENYIH SENTRAL,
SEMENYIH, 43500 SELANGOR
TEL : +603-872-71201
email : info@dishes.com.my
webmail : www.dishes.com.my

CONSTRUCTION DRAWING

DRAWING TITLE : BLOCK E_2ND FLOOR IMAC LAB FURNITURE LAYOUT PLAN				
DATE : 09.03.16	SCALE : 1:50	CHECK BY : EJ/EDM		
PROJECT NO. : 55314	STATUS CA	BLOCK E	DWG. NO S301	REVISION A

LEGEND : ELECTRICAL INSTALLATION

SYMBOL	DESCRIPTION(S)	QTY
	2 X 28W RECESSED TYPE T5 FLUO. FTG. C/W MIRROR REFLECTOR & ALUMINIUM CROSS BLADE (ELECTRONIC BALLAST)	12
	2 X 14W RECESSED TYPE T5 FLUO. FTG. C/W MIRROR REFLECTOR & ALUMINIUM CROSS BLADE (ELECTRONIC BALLAST)	1
	10A 1/2/3/ GANG ONE WAY LIGHTING SWITCH AT 1450mm AFFL.	- 1
	10A 2/3 GANG TWO WAY LIGHTING SWITCH AT 1450mm AFFL.	2 -
	13A SWITCH SOCKET OUTLET (RUN IN FLOOR TRUNKING) MOUNTED AT TABLE / LOW HEIGHT PARTITION. (ACTUAL POSITION TO BE DETERMINE ON SITE)	67
	13A TWIN SWITCH SOCKET OUTLET AT 300mm AFFL.	2
	13A TWIN SWITCH SOCKET OUTLET AT 2100mm AFFL.	1
	13A SWITCH SOCKET OUTLET AT ABOVE CEILING LEVEL FOR PROJECTOR	1
	13A SWITCH SOCKET OUTLET AT ABOVE CEILING LEVEL FOR WIFI SYSTEM	1
	13A SWITCH SOCKET OUTLET AT BELOW CEILING LEVEL FOR SPEAKER	2
	20A 1 GANG ONE WAY DOUBLE POLE SWITCH (FOR PROJECTOR & SPEAKER)	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
	25MM PVC CONDUIT FOR AUDIO AND VISUAL C/W INSPECTION BOX (BY ELECTRICAL CONTRACTOR)	AS SHOWN

LEGEND : ACMV INSTALLATION

SYMBOL	DESCRIPTION(S)	QTY
	SUPPLY AIR GRILLE (600 x 600 UNLESS OTHERWISE STATED) 4 WAY TYPE C/W OPPOSED BLADE VOLUME CONTROL DAMPER (UNLESS OTHERWISE STATED)	6
	600mm X 600mm RETURN AIR GRILLE	1
	FAN COIL UNIT (FCU)	1
	A/C CONTROL MODULE	1
	300MM X 300MM FRESH AIR GRILLE C/W VOLUME CONTROL DAMPER	1
	WALL MOUNTED EXHAUST FAN C/W FIXED LOUVER & INSERT SCREEN	-
	PLENUM BOX	1

LEGEND: AUDIO/VISUAL SYSTEM.

SYMBOL	DESCRIPTION(S)	QTY
	HDMI & AUDIO INPUT PANEL (RECESS INTO WALL)	1
	REMOTE MIXER (MIC INPUT & VOLUME CONTROL - RECESS INTO WALL)	1
	3 WAYS ACTIVE SPEAKER (TO AUDIO & VISUAL DETAILS)	2
	3000 ANSI LUMENS WXGA 3L PROJECTOR (TO AUDIO & VISUAL DETAILS) -PROJECTOR SUPPORT SUPPLIED BY MAIN CONTRACTOR	1

ARCHI 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) LOCATION OF WINDOW MAY VARIES FOR TYPICAL ROOM DUE TO FACADE PATTERN-REFER TO ARCHITECTURAL PLAN.
- 7) 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) 300 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) THIS DRAWING SHALL BE STUDIED IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL & PLUMBING DRAWING.
- 5) CEILING HEIGHT SHALL ACHIEVE 2800MM MINIMUM.
- 6) JUNCTION BOX & UNDERFLOOR TRUNKING/ CONCEALED CONDUIT/TRUNKING SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR FOR AUDIO/VISUAL SERVICES TO LECTURER SEATING AREA.