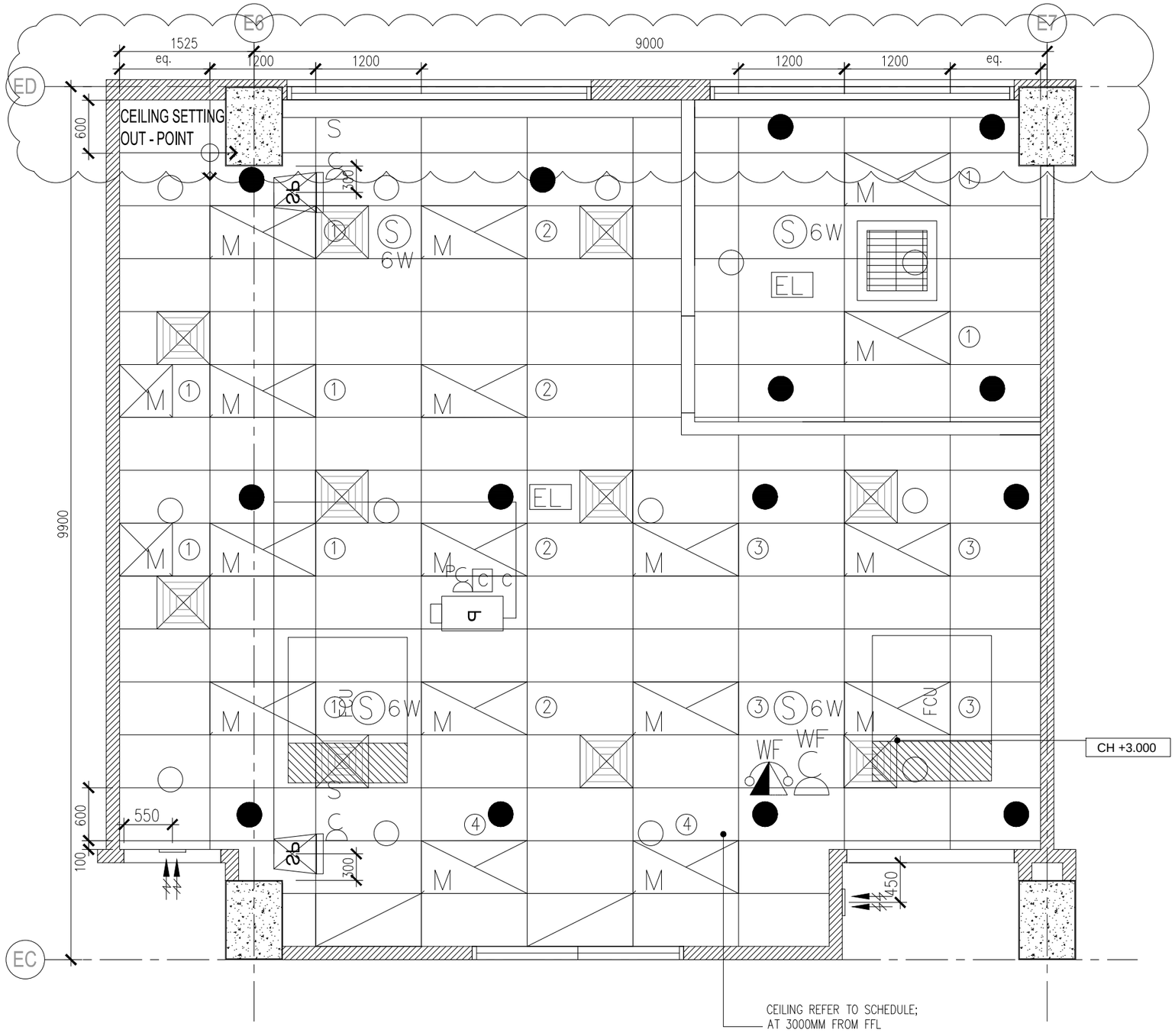

LEGEND : ELECTRICAL INSTALLATION

SYMBOL	DESCRIPTION(S)	QTY
	2 X 14W RECESSED TYPE T5 FLUO. FTG. C/W MI OR REFLECTOR & ALUMINIUM CROSS BLADE. (ELECTRONIC BALLAST)	2
	2 X 28W RECESSED TYPE T5 FLUO. FTG. C/W MI OR REFLECTOR & ALUMINIUM CROSS BLADE. (ELECTRONIC BALLAST)	16
	10A 1/2/3 GANG TWO WAY LIGHTING SWITCH AT 1450mm AFFL.	2 – –
	10A 1/2/3/ GANG ONE WAY LIGHTING SWITCH AT 1450mm AFFL.	1 – 1
	13A TWIN SWITCH SOCKET OUTLET AT 300mm AFFL (UNLESS OTHERWISE STATED).	–
	13A TWIN SWITCH SOCKET OUTLET (RUN IN FLOOR TRUNKING) MOUNTED AT TABLE / LOW HEIGHT PARTITION. (ACTUAL POSITION TO BE DETERMINE ON SITE)	104
WF	13A SWITCH SOCKET OUTLET AT ABOVE CEILING LEVEL FOR WIFI SYSTEM	1
	13A SWITCH SOCKET OUTLET AT BELOW CEILING LEVEL FOR SPEAKER	2
P	13A SWITCH SOCKET OUTLET AT ABOVE CEILING LEVEL FOR PROJECTOR	1
	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 : FIRE INSTALLATION

SYMBOL	DESCRIPTION(S)	QTY
	PENDENT SPRINKLER (155'F/68'C TEMPERATURE RATING).	13
	UPRIGHT SPRINKLER (155'F/68'C TEMPERATURE RATING).	13
EL	EMERGENCY LIGHT. (SUPPLY & INSTALL BY ELECTRICAL CONTRACTOR)	2
K	8W KELUAR SIGN C/W SELF CONTAINED BACK UP BATTERY (3 HR.) & CHARGER.	2
DP	9 KGS ABC DRY POWDER PORTABLE FIRE EXTINGUISHER.	2

LEGEND : TELEPHONE INSTALLATION

SYMBOL	DESCRIPTION(S)	QTY
	COMPUTER/DATA (1G) UTP PT. C/W SOCKET OUTLET USING CAT. 6 CABLE IN UPVC CONDUIT/CONCEALED	3
	WIFI POINT C/W SOCKET OUTLET AT CEILING LEVEL USING CAT 6 CABLE IN UPVC CONDUIT/CONCEALED.	1

LEGEND: PUBLIC ADDRESS SYSTEM.

SYMBOL	DESCRIPTION(S)	QTY
S 6W	6W RECESSED CEILING MOUNTED SPEAKER C/W MATCHING TRANSFORMER (TAP AT 1.5W)	4

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)	10
	1200mm X 600mm RETURN AIR GRILLE	2
	FAN COIL UNIT (FCU)	2
	PLENUM BOX	2
	300MM X 300MM FRESH AIR GRILLE C/W VOLUME CONTROL DAMPER	2
	CHILLED WATER CEILING CASSETTE	1
A/C	A/C CONTROL MODULE	3

LEGEND : AUDIO/VISUAL SYSTEM

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

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

DESIGN ARCHITECT :

ARCHITECTURE GROUP - STUDIO A
CPG CONSULTANTS PTE LTD
1 Gateway Drive #23–01
Westgate Tower, Singapore 608531
Tel : +63574888 ; fax: +63574188

BH YEW ARCHITECT
15TH FLOOR, BANGUNAN AMMETLIFE,
NO.1, JLN. LUMUT, 50400 KUALA LUMPUR.
TEL: (30)–4046–1346
FAX: (03) 4043–1349
EMAIL: ybhwa@nrasb.com.my

ARCHITECT SIGNATURE :

.....

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. AS0232772–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

DRAWING TITLE :

BLOCK E_GROUND FLOOR
PROJECT LAB_ELECTRICAL & ELECTRONICS
REFLECTED CEILING PLAN

DATE :	SCALE :	CHECK BY :		
11.03.16	1:50	EJ/EDM		
PROJECT NO. :	STATUS	BLOCK	DWG. NO	REVISION
55314	CA	E	0202	A