



NOTE:  
 1. ALL EQUIPMENT DIMENSION SHOWN IS PRELIMINARY & ACTUAL DIMENSION TO BE DETERMINED BASED ON EQUIPMENT SELECTION.  
 2. 300 LUX LEVEL DESIGN BASED ON MS STANDARD:1525 (2007)  
 3. VENTILATION RATE TO MEET MINIMUM REQUIREMENTS OF VENTILATION RATE IN ASHRAE 62.1 OR THE LOCAL BUILDING CODE WHICHEVER IS MORE STRINGENT.  
 4. CEILING HEIGHT SHALL BE ACHIEVED 200MM MINIMUM.  
 5. THIS DRAWING SHALL BE STUDY IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL & PLUMBING DRAWING.

**LEGEND : ELECTRICAL INSTALLATION**

SYMBOL	DESCRIPTION(S)	QTY
	2 X 28W RECESSED TYPE T5 FLUO. FTG. C/W MIRROR REFLECTOR & ALUMINIUM CROSS BLADE. (ELECTRONIC BALLAST)	9
	10A 1/2/3/ GANG ONE WAY LIGHTING SWITCH AT 1450mm AFFL.	- 1
	13A TWIN SWITCH SOCKET OUTLET AT 300mm AFFL.	4
	13A SWITCH SOCKET OUTLET AT ABOVE CEILING LEVEL FOR PROJECTOR	1
	13A SWITCH SOCKET OUTLET AT ABOVE CEILING LEVEL FOR WFI 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
	25MM PVC CONDUIT FOR AUDIO AND VISUAL C/W INSPECTION BOX (BY ELECTRICAL CONTRACTOR) AS SHOWN	

**LEGEND : TELEPHONE INSTALLATION**

SYMBOL	DESCRIPTION(S)	QTY
	COMPUTER/DATA (1G) UTP PT. C/W SOCKET OUTLET USING CAT. 6 CABLE IN UPVC CONDUIT/CONCEALED	2
	WFI POINT C/W SOCKET OUTLET AT CEILING LEVEL USING CAT 6 CABLE IN UPVC CONDUIT/CONCEALED.	1

**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	2
	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	1
	PLENUM BOX	1

**LEGEND : FIRE INSTALLATION**

SYMBOL	DESCRIPTION(S)	QTY
	PENDENT SPRINKLER (155T/68°C TEMPERATURE RATING).	11
	UPRIGHT SPRINKLER (155T/68°C TEMPERATURE RATING).	3
	EMERGENCY LIGHT. (SUPPLY & INSTALL BY ELECTRICAL CONTRACTOR)	1

**LEGEND : PUBLIC ADDRESS SYSTEM.**

SYMBOL	DESCRIPTION(S)	QTY
	6W RECESSED CEILING MOUNTED SPEAKER C/W MATCHING TRANSFORMER (TAP AT 1.5W)	2

**LEGEND : AUDIO/VISUAL SYSTEM. (SUPPLY & INSTALL BY AUDIO & VISUAL CONTRACTOR)**

SYMBOL	DESCRIPTION(S)	QTY
	HDMI & AUDIO INPUT PANEL (RECESS INTO WALL)	1
	3 WAYS ACTIVE SPEAKER (TO AUDIO & VISUAL DETAILS)	2
	3000 ANS LUMENS WIGA 3LCD PROJECTOR (TO AUDIO & VISUAL DETAILS) -PROJECTOR SUPPORT SUPPLIED BY MAIN CONTRACTOR	1

**LEGEND : FURNITURE SCHEDULE**

CODE	DESCRIPTION(S)	NOS	CODE	DESCRIPTION(S)	NOS
T01-CR	TEACHER'S DESK	1	001-CR	TEACHER'S CHAIR	1
T02-CR	STUDENT DESK	52	002-CR	STUDENT CHAIR TYPE 1	52
T03-CR	STUDENT TABLE (FOR SMART CLASSROOM)	-	003-CR	STUDENT CHAIR TYPE 2	-
			004-CR	STUDENT CHAIR WITH TABLET	-

**TENDER DRAWING**

<b>PROJECT TITLE :</b> 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	<b>LAND OWNER &amp; BUILDING OWNER SIGNATURE :</b>  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	<b>DESIGN ARCHITECT :</b>  <b>ARCHITECTURE GROUP - STUDIO A</b> <b>CPG CONSULTANTS PTE LTD</b> 1 Gateway Drive #23-01 Westgate Tower, Singapore 608531 Tel : +63574888 ; fax: +63574188  <b>BH YEW ARCHITECT</b> 15TH FLOOR, BANGUNAN AMMELIFE, NO.1, JLN. LUMUT, 50400 KUALA LUMPUR. TEL: (30)-4046-1346 FAX: (03) 4043-1349 EMAIL: ybhw@mmrosb.com.my	<b>C&amp;S CONSULTANT :</b>  <b>PERUNDING KELANA</b> 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)	<b>QS CONSULTANT :</b>  <b>UNI TECH</b> UNITECH QS CONSULTANCY SDN. BHD. 12A-A, MENARA NORTHAM, 55, JALAN SULTAN AHMAD SHAH, 10050 PENANG	<b>DRAWING TITLE :</b> BLOCK B_3RD FLOOR CLASS ROOM 23(M) REFLECTED CEILING PLAN				
						<b>M&amp;E CONSULTANT :</b>  <b>PERUNDING P.L.A.</b> 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	<b>KITCHEN SPECIALIST :</b>  <b>DISHES</b> DISHES SDN BHD NO. 21-1, JALAN SEMENYIH SENTRAL 1, SEMENYIH, 43500 SELANGOR TEL : +603-872-71201 email : info@dishes.com.my webmail : www.dishes.com.my	<b>DATE :</b> 07.04.17	<b>SCALE :</b> 1:50