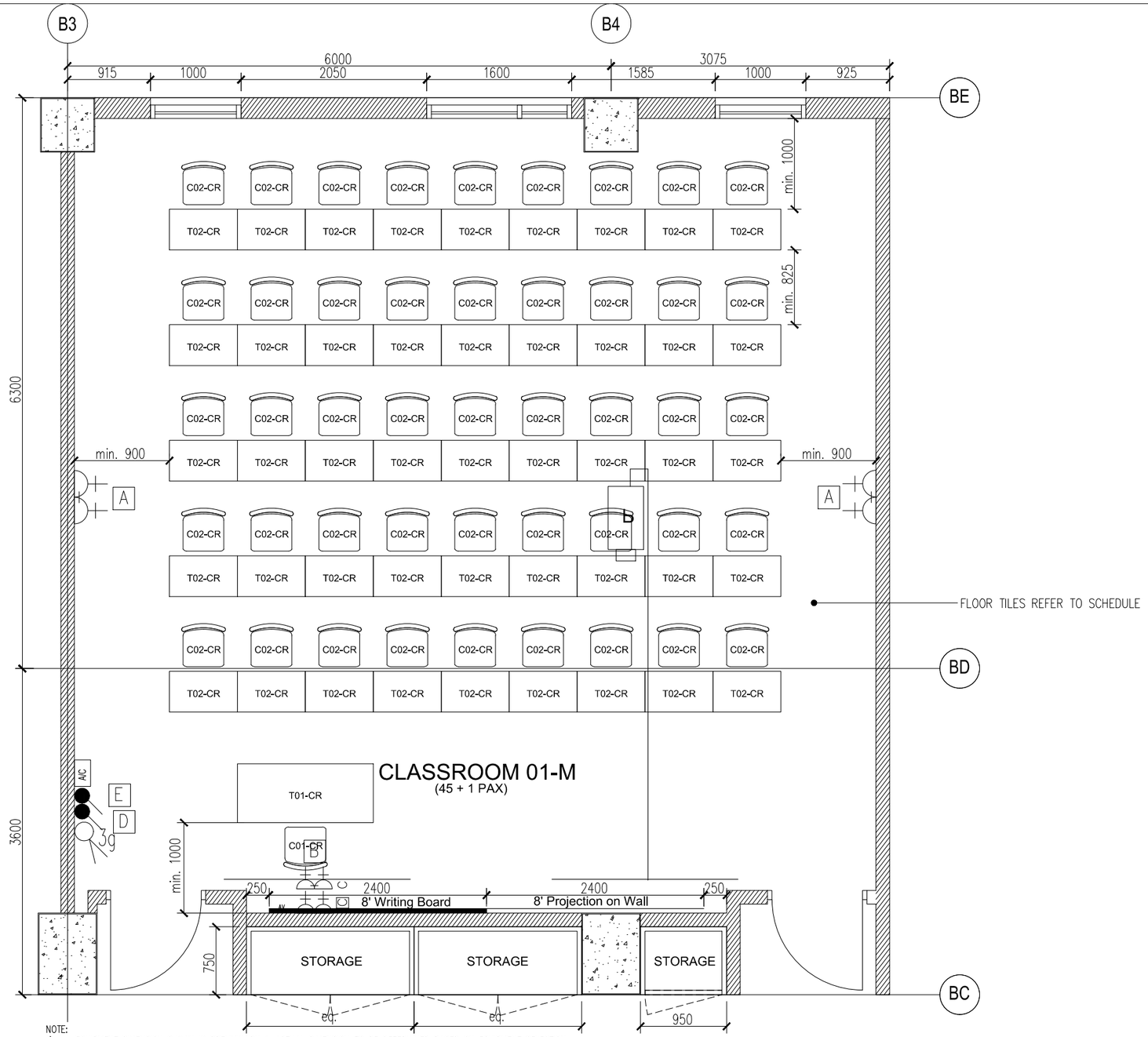

NOTE:
1) ALL EQUIPMENT DIMENSION SHOWN IS PRELIMINARY & ACTUAL DIMENSION TO BE DETERMINED BASED ON EQUIPMENT SELECTION.
2) 300 LUX LEVEL DESIGN BASED ON MS STANDARD:1525 (2007)
3) VENTILATION RATE TO MEET MINIMUM REQUIREMENTS OF VENTILATION RATE IN ASHRAE 62.1 OR THE LOCAL BUILDING CODE WHICHEVER IS MORE STRINGENT.
4) CEILING HEIGHT SHALL BE ACHIEVED 2800MM 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
P	13A SWITCH SOCKET OUTLET AT ABOVE CEILING LEVEL FOR PROJECTOR	1
WF	13A SWITCH SOCKET OUTLET AT ABOVE CEILING LEVEL FOR WIFI SYSTEM	1
S	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)	
C	COMPUTER/DATA (1G) UTP PT. C/W SOCKET OUTLET USING CAT. 6 CABLE IN UPVC CONDUIT/CONCEALED	2
WF	WIFI POINT C/W SOCKET OUTLET AT CEILING LEVEL USING CAT 6 CABLE IN UPVC CONDUIT/CONCEALED.	1

LEGEND : ACMV INSTALLATION

SYMBOL	DESCRIPTION(S)	
	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	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)	
	PENDENT SPRINKLER (155°F/68°C TEMPERATURE RATING).	9
	UPRIGHT SPRINKLER (155°F/68°C TEMPERATURE RATING).	3
EL	EMERGENCY LIGHT. (SUPPLY & INSTALL BY ELECTRICAL CONTRACTOR)	1

LEGEND: PUBLIC ADDRESS SYSTEM.

SYMBOL	DESCRIPTION(S)	
6W	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)	
AV	HDMI & AUDIO INPUT PANEL (RECESS INTO WALL)	1
	3 WAYS ACTIVE SPEAKER (TO AUDIO & VISUAL DETAILS)	2
P	3000 ANSI LUMENS WXGA 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	C01–CR	TEACHER'S CHAIR	1
T02–CR	STUDENT DESK	45	C02–CR	STUDENT CHAIR TYPE 1	45
T03–CR	STUDENT TABLE (FOR SMART CLASSROOM)	–	C03–CR	STUDENT CHAIR TYPE 2	–
			C04–CR	STUDENT CHAIR WITH TABLET	–

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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TEL: (30)–4046–1346
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EMAIL: ybhwa@nrasb.com.my

ARCHITECT SIGNATURE :
.....

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Level 12, Unit 12(D), Wisma Boon Siew, No.1, Penang Road, 10000 Penang.
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M&E CONSULANT :
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Consulting Mechanical & Electrical Engineers.
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QS CONSULANT :
UNITECH QS CONSULTANCY SDN. BHD.
12A–A, MENARA NORTHAM,
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SEMENYIH, 43500 SELANGOR
TEL : +603–872–71201
email : info@dishes.com.my
webmail : www.dishes.com.my

DRAWING TITLE :
BLOCK B_2ND FLOOR
CLASS ROOM 01(M)
FURNITURE LAYOUT PLAN

DATE :	SCALE :	CHECK BY :
09.03.16	1:50	EJ/EDM

PROJECT NO. :	STATUS	BLOCK	DWG. NO	REVISION
55314	CA	B	E105	A