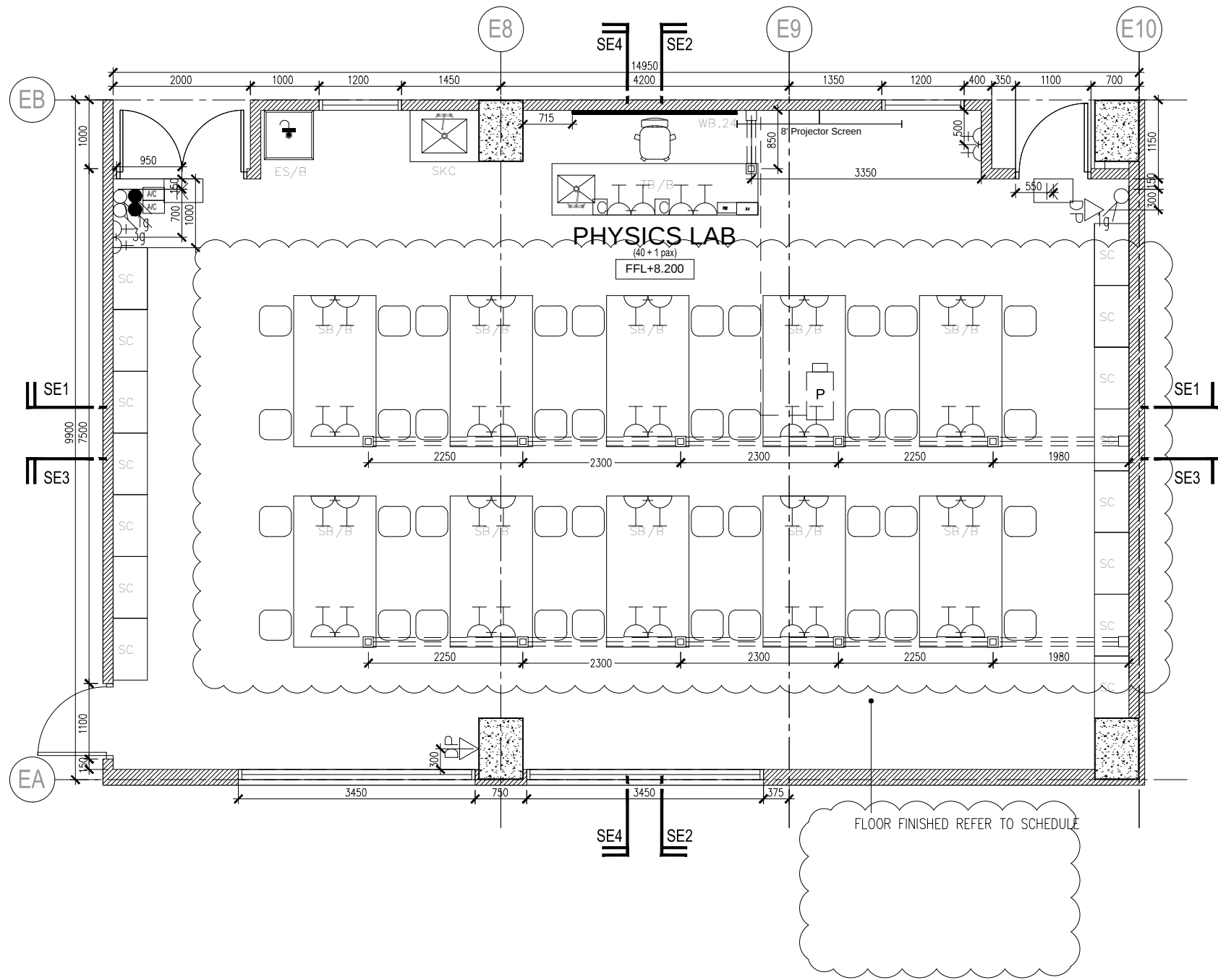




LEGEND : LAB EQUIPMENT & REQUIREMENT (BY LAB CONTRACTOR)

- SB/B:**
10x Lab Table
Electro-Galvanised Steel Construction with Epoxy Powder Coated Finish
Dim: W=1200MM x L=2200 H=900mm
Thk= 16mm, Light Grey Color Phenolic Resin Worktop
2x 2-gang switch socket outlet
Volt: 240V/1ph
- TB/B:**
Teacher Bench + Chair
Fixed Type Wall Bench
Electrogalvanised Steel Construction With Epoxy Powder Coated Finish
Dim: L=3000 x D=750 x H=900mm
1 knee-space for workstation
16mm Thk Light Grey Color Phenolic Resin Worktop
Comes with 100mm Backsplash
1x PP Sink (W=560 x D=428 x H=260)
1x PP Dilution Tank 10Ltr
1x Single way lab tap
2x 2-gang Switch Socket Outlet
Volt: 240V/1ph
- SC:**
15x Storage Cabinet
Electrogalvanised Steel Construction With Epoxy Powder Coated Finish With Glazed Glass Door
Dim: L=900 x D=500 x H=2100 mm
- SLS:**
Student Lab Stool
PU Cushioned Type
Min. H=550 x Max. H=870mm
Adjustable seat height
- WB.24:**
Wall Mounted White Board
Dim: W=1200MM x L=2400mm
Weight: 10kg Volt: N/A
- ES/B:**
EMERGENCY SHOWER / EYEWASH, FLOOR MOUNTING, ABS SHOWER HEAD / BOWL
MATERIALS: Galvanized steel piping. Brass fittings.
COATING: Anti-corrosive polyamide
11 plastic in high-visibility yellow color.
WATER INLET: G1-1/4" BSP
WATER INLET PRESSURE: Recommended 2 bar / Min. 1.5 bar / Max. 8 bar
SHOWER MATERIALS: Shower head in ABS plastic.
FLOW RATE: Regulated at 110 l/min.
OPERATION: Pull rod.
VALVE: Full bore valve 1"
EYEWASH MATERIALS: Eyewash assembly and eyewash bowl in ABS plastic. Two high-flow aerated water sprays at low pressure with automatic opening anti-dust cover.
FLOW RATE: Regulated at 22 l/min.
OPERATION: Push handle.
VALVE: Full bore valve 1/2"
WASTE: G1-1/4" BSP
- SKC:**
Sink Cabinet
Dim: L=1000 x W=750 x H=900mm
Electrogalvanized Steel Construction with Epoxy Powder Coated Finish 16mm Thk Light Grey Color Phenolic Resin Worktop
1 nos of PP Sink
Dim: W=560 x D=428 x H=260mm
1 nos of Single way lab tap

LEGEND : ELECTRICAL INSTALLATION

SYMBOL	DESCRIPTION(S)	QTY
	2 X 28W RECESSED TYPE T5 FLUO. FTG. C/W MIRROR REFLECTOR & ALUMINIUM CROSS BLADE. (ELECTRONIC BALLAST)	18
	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
	13A TWIN SWITCH SOCKET OUTLET AT 300mm AFFL.	2
	13A TWIN SWITCH SOCKET OUTLET (RUN IN FLOOR TRUNKING) MOUNTED AT TABLE / LOW HEIGHT PARTITION. (ACTUAL POSITION TO BE DETERMINE ON SITE)	22
	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)	14
	1200MMmm X 600mm RETURN AIR GRILLE	2
	A/C CONTROL MODULE	2
	FAN COIL UNIT (FCU)	2
	PLENUM BOX	2
	300MM X 300MM FRESH AIR GRILLE C/W VOLUME CONTROL DAMPER	2

CONSTRUCTION DRAWING

DRAWING TITLE :

BLOCK E_1ST FLOOR
PHYSICS LAB
FURNITURE LAYOUT PLAN

DATE :	SCALE :	CHECK BY :			
09.03.16	1: 75	EJ/EDM			
PROJECT NO. :		STATUS	BLOCK	DWG. NO	REVISION
55314		CA	E	P301	A

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 YEOW 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

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