

projek:

**CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4
BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI,
ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS)**

untuk :

**UNIVERSITI TEKNOLOGI MARA SHAH ALAM,
SHAH ALAM, SELANGOR DARUL EHSAN**

ELEKTRIKAL

TENDER DRAWING

CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2,
KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS)

untuk

UNIVERSITI TEKNOLOGI MARA SHAH ALAM,
SHAH ALAM, SELANGOR DARUL EHSAN

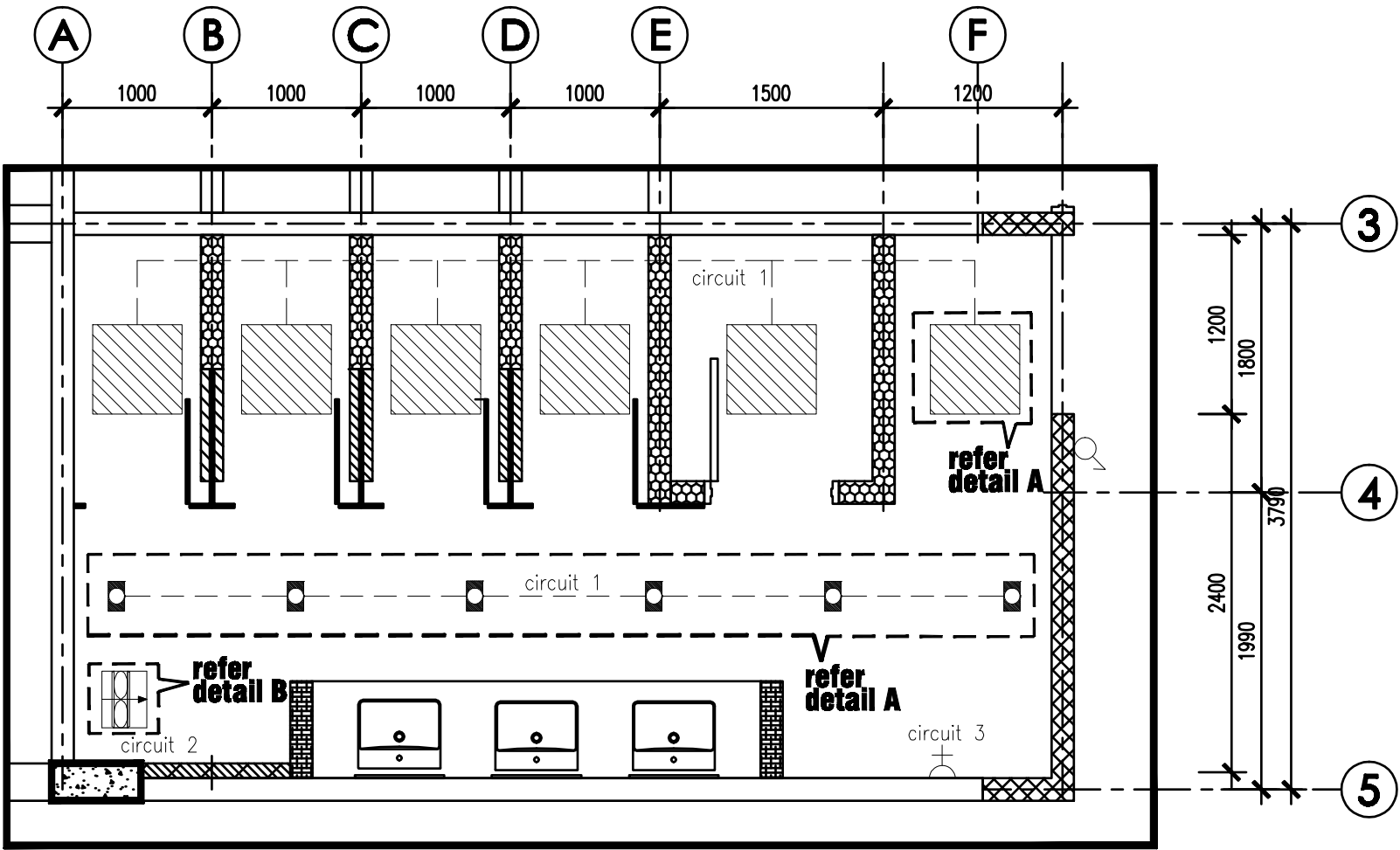
list of drawing :

no.	drawing no.	title	sheet no.	size
ELECTRICAL				
01	200-PPM(BP.5/3/158)-ELE	• NEW LIGHTING & POWER LAYOUT PLAN (Male)	01	A3
02	200-PPM(BP.5/3/158)-ELE	• NEW LIGHTING & POWER LAYOUT PLAN (Female)	02	A3
03	200-PPM(BP.5/3/158)-ELE	• DETAIL DRAWING 1 • Detail A, Detail B, Detail C, Detail D	03	A3
04	200-PPM(BP.5/3/158)-ELE	• NEW LIGHTING & POWER LAYOUT PLAN (Corridor & Disable Toilet)	04	A3
05	200-PPM(BP.5/3/158)-ELE	• DETAIL DRAWING 2 • Detail E, Detail F, Detail K, Detail L	05	A3
06	200-PPM(BP.5/3/158)-ELE	• NEW LIGHTING & POWER LAYOUT PLAN (Staff Pantry)	06	A3
07	200-PPM(BP.5/3/158)-ELE	• DETAIL DRAWING 3 • Detail G Detail H, Detail I, Detail J	07	A3
08	200-PPM(BP.5/3/158)-ELE	• NEW LIGHTING & POWER LAYOUT PLAN LEVEL 3 (Male)	08	A3
09	200-PPM(BP.5/3/158)-ELE	• NEW LIGHTING & POWER LAYOUT PLAN LEVEL 4 (Female)	09	A3

NOTE:-

- IF THERE IS ANY EQUIPMENT AND INSTALLATION AS IT CONSIDERS NECESSARY FOR PROPER FUNCTIONALITY OF THE ENTIRE SYSTEM BUT NOT SPECIFIED IN THE BILL OF QUANTITY AND DRAWINGS, THE CONTRACTOR IS OBLIGED TO ENSURE THAT ALL EQUIPMENT AND INSTALLATIONS ARE PROPERLY INSTALLED IN ACCORDANCE WITH JKR STANDARD & UTM S.O APPROVAL AND ALL COSTS MUST BE BORNE BY THE CONTRACTOR.
- ANY MODIFICATION AND MAKING GOOD AS PER S.O REQUIREMENTS ON THE EXISTING M&E SYSTEM IN ORDER TO SUIT WITH NEW M&E SYSTEM ARE UNDER CONTRACTOR RESPONSIBILITY.
- THE CONTRACTOR MUST ENSURE THAT THE CIRCUIT IS EQUALLY DIVIDED / BALANCE BY 3 PHASE SUPPLY ON ALL ELECTRICAL BOARD AND SUBJECT TO UTM S.O APPROVAL.
- CONTRACTOR IS OBLIGED TO ENSURE ALL MODIFICATION & MAKING GOOD ON EFFECTED EXISTING CEILINGS, WALLS, LANDSCAPES, ROAD, STRUCTURES, WALKWAY, FLOR, SLAP, BUILDING IF ANY IN ORDER TO RUN & COMPLETE ALL ELECTRICAL SCOPE OF WORKS.

- COMMAND SUPPLY SOURCE TO BE TAKEN FROM EXISTING ELECTRICAL BOARD LOCATED INSIDE ELECTRICAL ROOM/ RISER ON EACH EFFECTED FLOOR. SHOULD THERE IS ANY MAKE GOOD/MODIFICATION/ADDITION ON EXISTING ELECTRICAL BOARD, ALL RESPONSIBILITY & COST MUST BE BORNE BY THE CONTRACTOR.
- FOR THE INSTALLATION OF LIGHT FITTING IN THE CORRIDOR/FOYER AREA, THE NEW WIRING CIRCUIT SHOULD BE CONNECTED WITH THE EXISTING CORRIDOR/FOYER CIRCUIT
- FINAL DETAILS OF PLASTER CEILING RECESSED PROFILE TO BE DETERMINED DURING CONSTRUCTION ; SUBJECTED TO DOWNLIGHT SIZE PROPOSED BY CONTRACTOR'S AND ARCHITECT APPROVAL
- GLASS PANEL FOR EXHAUST FAN MOUNTED AREA TO BE REPLACE WITH CLEAR ACRYLIC PANEL AND THE THICKNESS CANNOT BE LESS THAN THE THICKNESS OF GLASS PANEL.
- CONTRACTOR IS OBLIGED TO ENSURE ALL EXISTING M&E CIRCUITS, CONDUITS, TRUNKINGS & TRAYS THAT'S NOT INVOLVED IN THE CONTRACT BUT LOCATED WITHIN WORK SITE ARE & AFFECTED DUE TO NEW M&E DESIGN TO BE MAKE GOOD AND FUNCTIONING PROPERLY AS IS BEFORE SUBJECT TO S.O INSTRUCTION, REQUIREMENT AND APPROVAL.



New Lighting & Power Layout Plan (Male)

LEGEND

	2 X 8.5W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 X 9W Surface Mounted Retrofit LED Bulb Down Light (Square Type)
	2 X 18W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 x 13 Amp Switch Socket Outlet
	Exhaust Fan (wall mounted)
	Exhaust Fan (ceiling mounted)
	Switches
	2 X 13 Amp Switch Socket Outlet
	LED Strip Light
	Pendent Light

TENDER DRAWING

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN
AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS
SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UTM) SHAH ALAM,
SELANGOR DARUL EHSAN



UNIVERSITI
TEKNOLOGI
MARA

NO. RUJUKAN PROJEK:
200-PPII(BP.5/3/158)-ELE

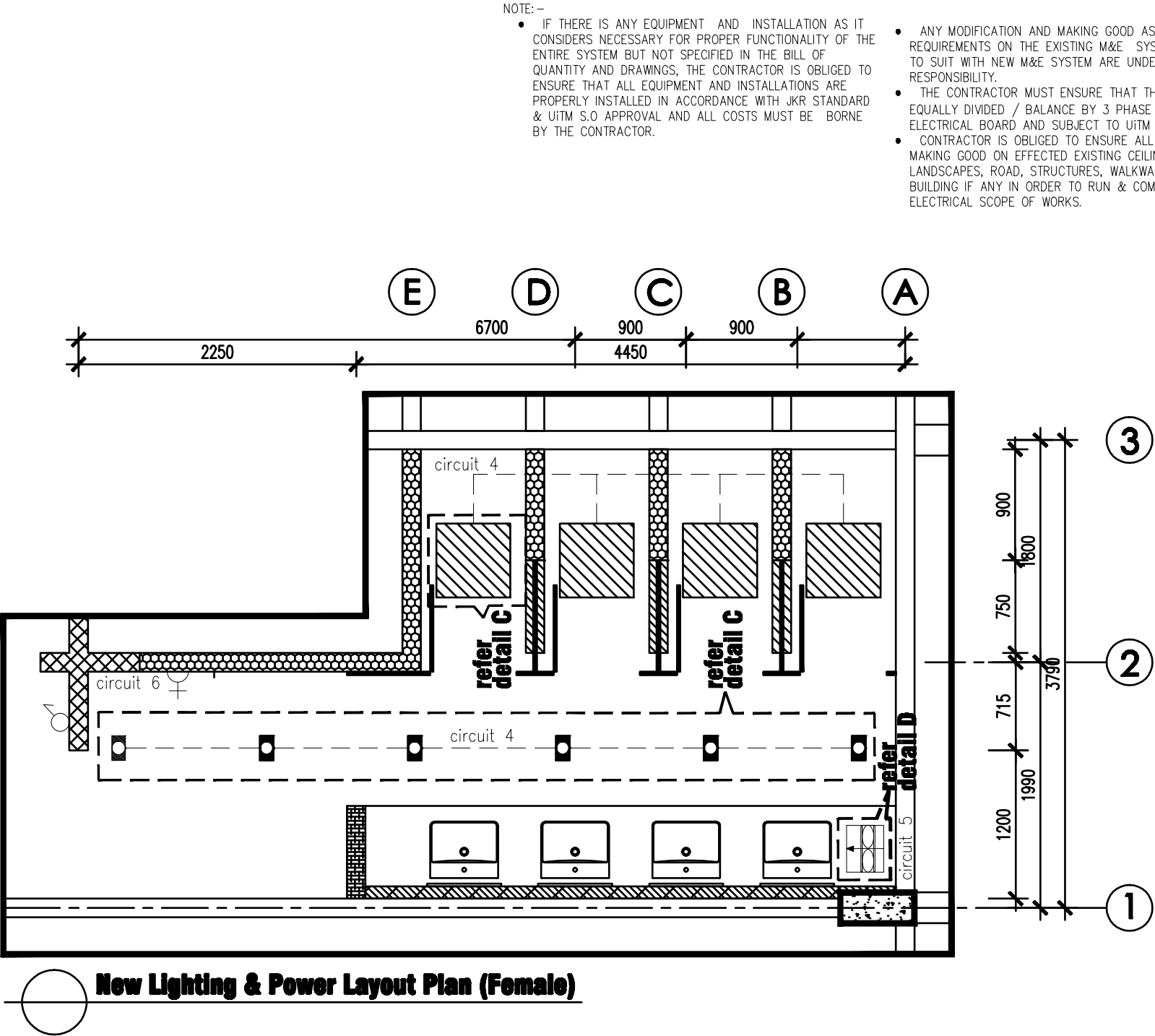
TAJUK LUKISAN:
• NEW LIGHTING & POWER LAYOUT PLAN (MALE)

TARIKH:
20 01
25 FEB.

SKALA:
N.T.S

NAIB CANSOLOR : PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR : PROF. TS. SR DR. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR : IR. TS. AZMAN SAJBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA : MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK : ZAHIRUDDIN JAIDIR
DILUKIS OLEH : MUHAMMAD NAJWAN BIN SIDI OMAR
PENGURUS PROJEK / DISEMAK : Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

INDEKS PINDAAN
NO
HELAIAN: 01



LEGEND

	2 X 8.5W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 X 9W Surface Mounted Retrofit LED Bulb Down Light (Square Type)
	2 X 18W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 x 13 Amp Switch Socket Outlet
	Exhaust Fan (wall mounted)
	Exhaust Fan (ceiling mounted)
	Switches
	2 X 13 Amp Switch Socket Outlet
	LED Strip Light
	Pendent Light

TENDER DRAWING

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN
AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS
SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UTM) SHAH ALAM,
SELANGOR DARUL EHSAN



UNIVERSITI
TEKNOLOGI
MARA

NO. RUJUKAN PROJEK:
200-PPII(BP.5/3/158)-ELE

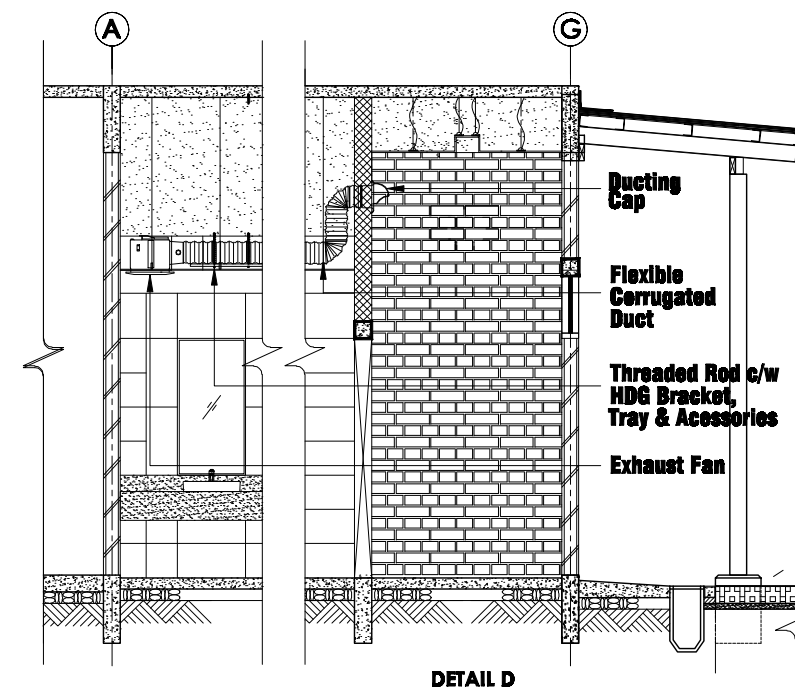
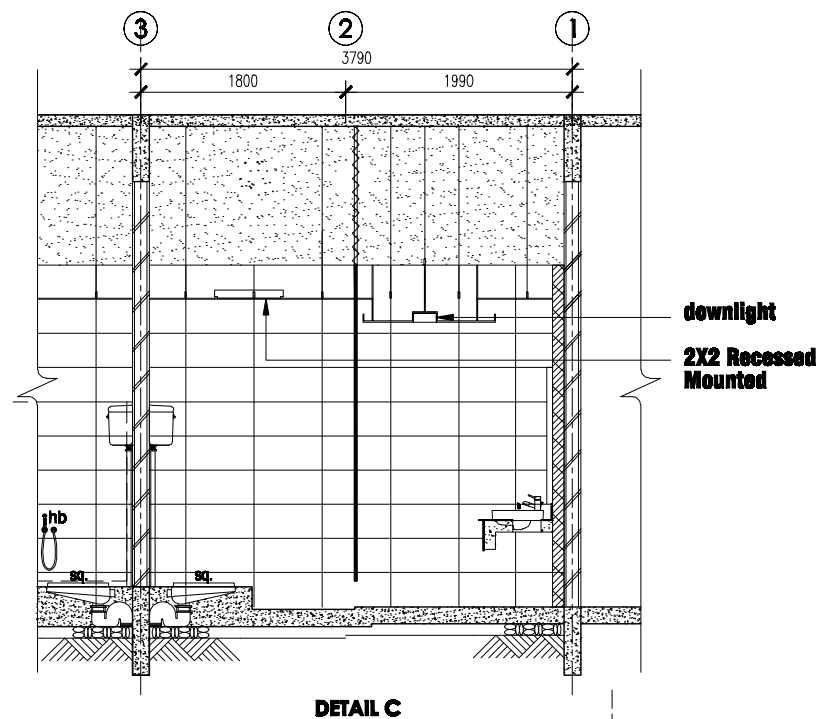
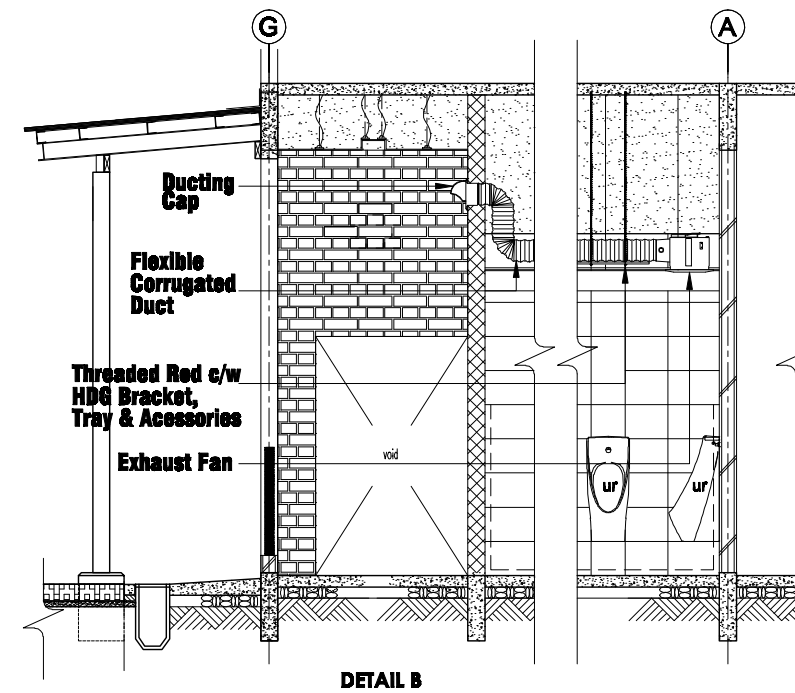
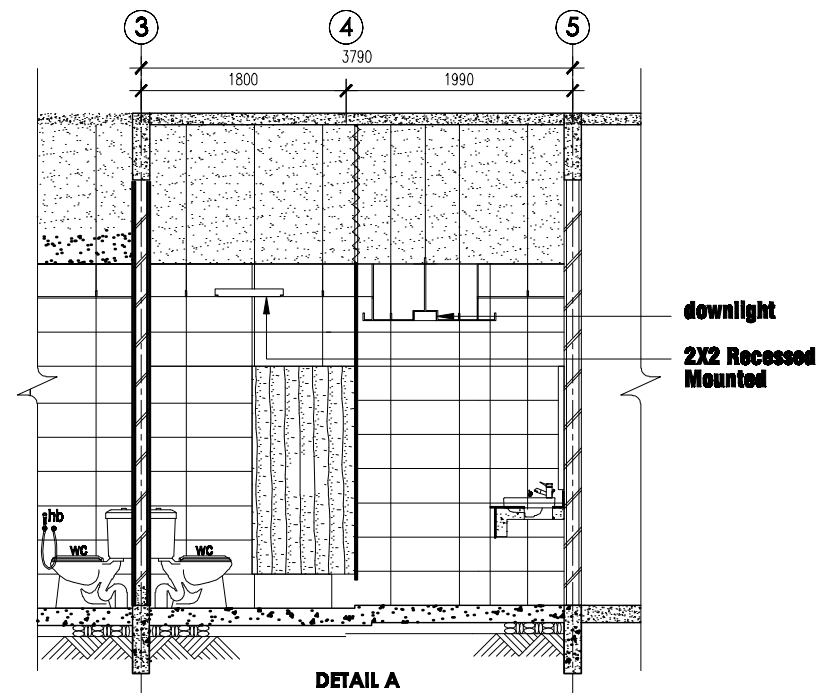
TAJUK LUKISAN:
• NEW LIGHTING & POWER LAYOUT PLAN (FEMALE)

TARIKH:
20 01
25 FEB.

SKALA:
N.T.S

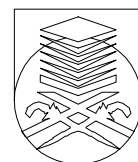
NAIB CANSOLOR : PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR : PROF. TS. SR DR. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR : IR. TS. AZMAN SAJBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA: MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK : ZAHIRUDDIN JAIDIR
DILUKIS OLEH : MUHAMMAD NAJWAN BIN SIDI OMAR
PENGURUS PROJEK / DISEMAK : Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

INDEKS PINDAAN
NO
HELAIAN: 02



TENDER DRAWING

PROJEK:
**CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN
AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS
SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UTM) SHAH ALAM,
SELANGOR DARUL EHSAN**



UNIVERSITI
TEKNOLOGI
MARA

NO. RUJUKAN PROJEK:
200-PPII(BP.5/3/158)-ELE

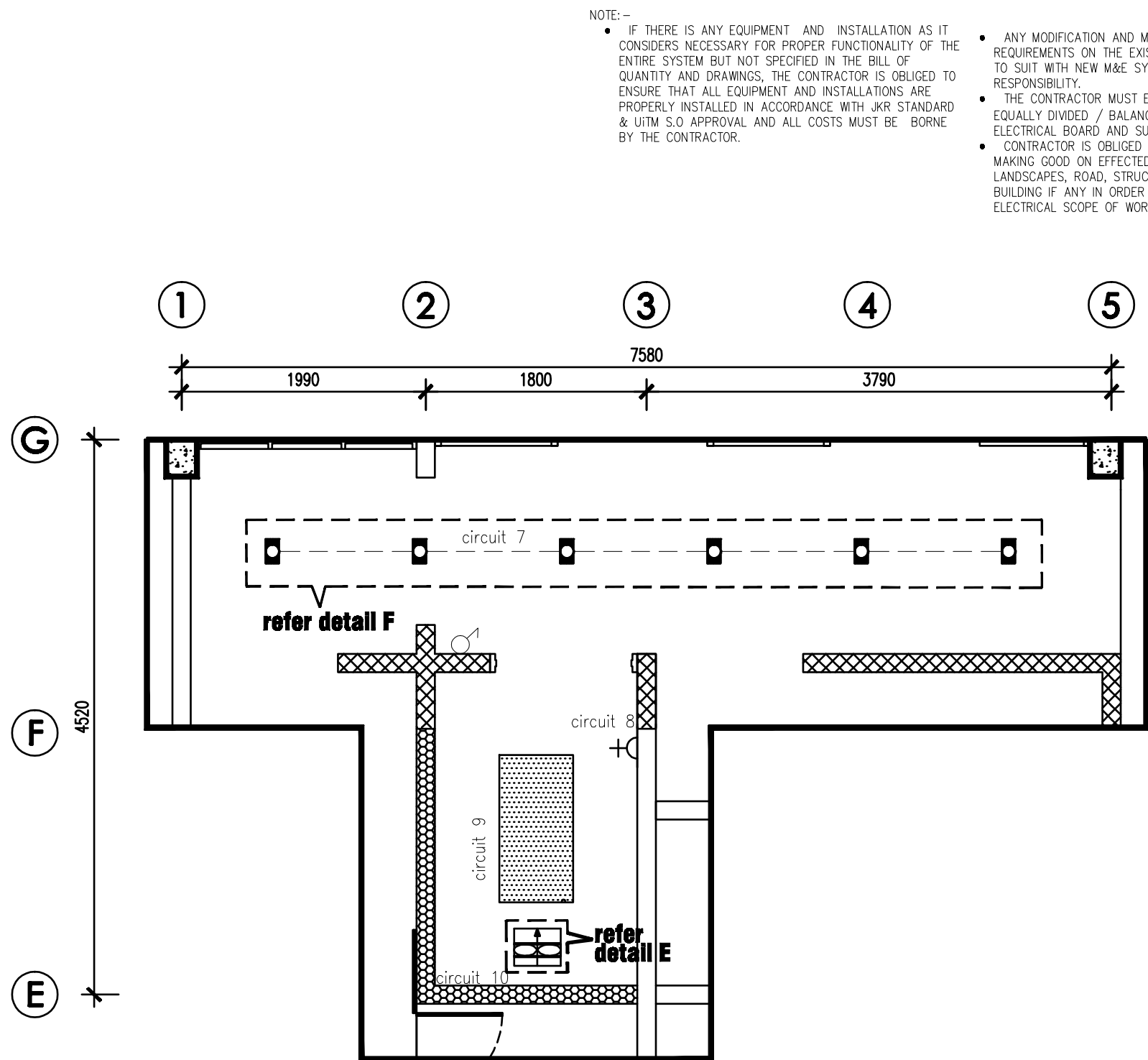
TAJUK LUKISAN:
DETAIL DRAWING 1
• Detail A • Detail C
• Detail B • Detail D

TARIKH:
**20 01
25 FEB.**

SKALA:
N.T.S

NAIB CANSOLOR : PROF. DATUK DR. SHAHRIN BIN SAHIB © SAHIBUDDIN
PENOLONG NAIB CANSOLOR : PROF. TS. SR DR. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR : IR. TS. AZMAN SAJBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA : MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK : ZAHIRUDDIN JAIDIR
DILUKIS OLEH : MUHAMMAD NAJWAN BIN SIDI OMAR
PENGURUS PROJEK / DISEMAK : Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

INDEKS PINDAAN
NO
HELAIAN: **03**



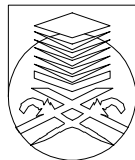
New Lighting & Power Layout Plan (Corridor & Disable Toilet)

LEGEND

	2 X 8.5W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 X 9W Surface Mounted Retrofit LED Bulb Down Light (Square Type)
	2 X 18W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 x 13 Amp Switch Socket Outlet
	Exhaust Fan (wall mounted)
	Exhaust Fan (ceiling mounted)
	Switches
	2 X 13 Amp Switch Socket Outlet
	LED Strip Light
	Pendent Light

TENDER DRAWING

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UTM) SHAH ALAM, SELANGOR DARUL EHSAN



**UNIVERSITI
TEKNOLOGI
MARA**

NO. RUJUKAN PROJEK:
200-PPII(BP.5/3/158)-ELE

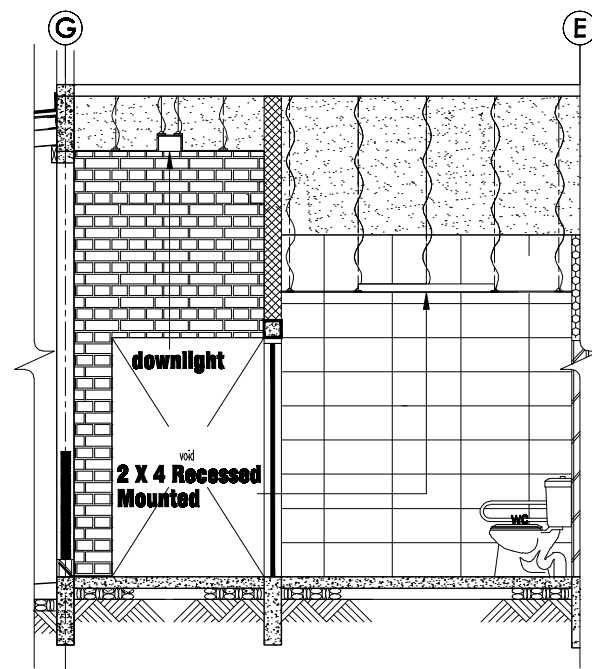
TAJUK LUKISAN:
**• NEW LIGHTING & POWER LAYOUT PLAN
(Corridor & Disable Toilet)**

TARIKH:
**20 01
25 FEB.**

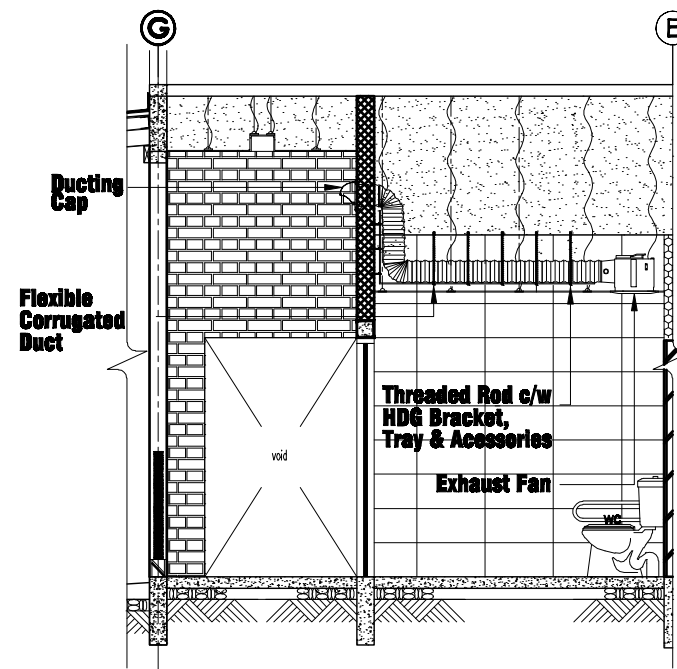
SKALA:
N.T.S

NAIB CANSelor : PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSelor : PROF. TS. SR DR. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR : IR. TS. AZMAN SAJBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA: MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK : ZAHIRUDDIN JAIDIR
DILUKIS OLEH : MUHAMMAD NAJWAN BIN SIDI OMAR
PENGURUS PROJEK / DISEMAK : Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

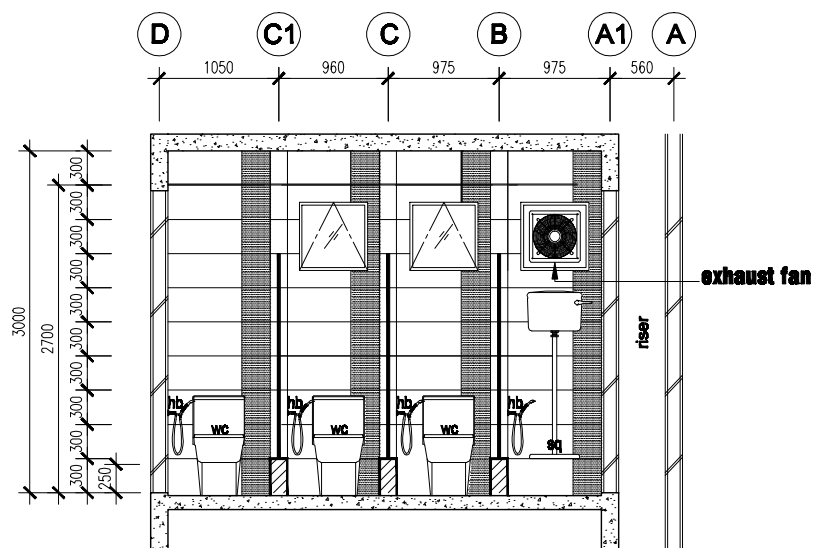
INDEKS PINDAAN
NO
HELAIAN: **04**



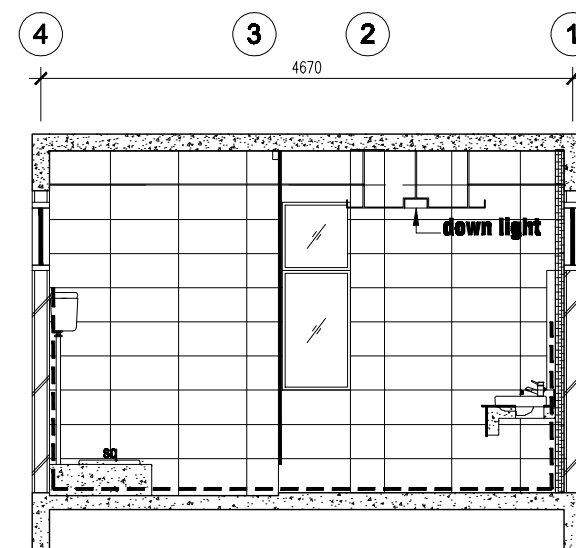
DETAIL F



DETAIL E



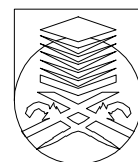
DETAIL L



DETAIL K

TENDER DRAWING

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN
AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS
SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UTM) SHAH ALAM,
SELANGOR DARUL EHSAN



UNIVERSITI
TEKNOLOGI
MARA

NO. RUJUKAN PROJEK:
200-PPII(BP.5/3/158)-ELE

TAJUK LUKISAN:
DETAIL DRAWING 2
• Detail E • Detail F
• Detail K • Detail L

TARIKH:
20 01
25 FEB.

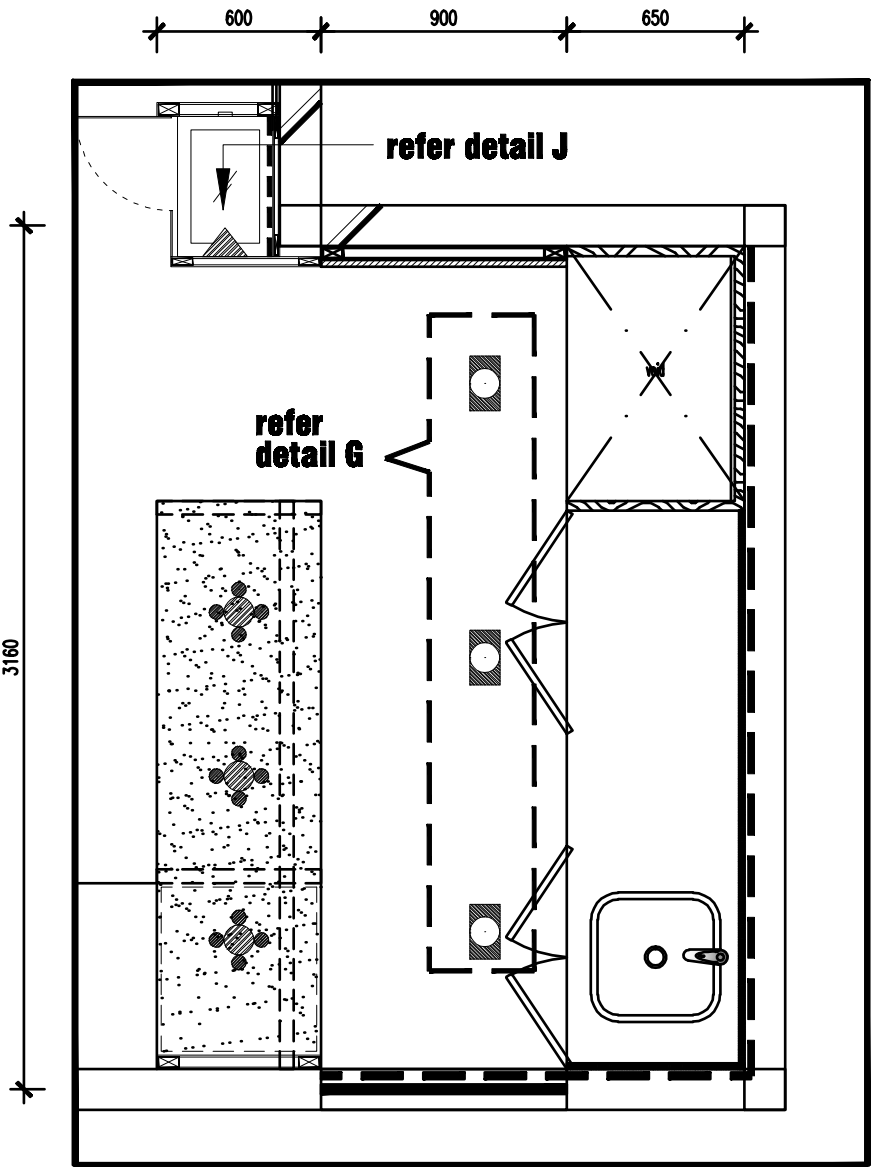
SKALA:
N.T.S

NAIB CANSOLOR : PROF. DATUK DR. SHAHRIN BIN SAHIB © SAHIBUDDIN
PENOLONG NAIB CANSOLOR : PROF. TS. SR DR. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR : IR. TS. AZMAN SAJBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA : MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK : ZAHIRUDDIN JAIDIR
DILUKIS OLEH : MUHAMMAD NAJWAN BIN SIDI OMAR
PENGURUS PROJEK / DISEMAK : IR. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

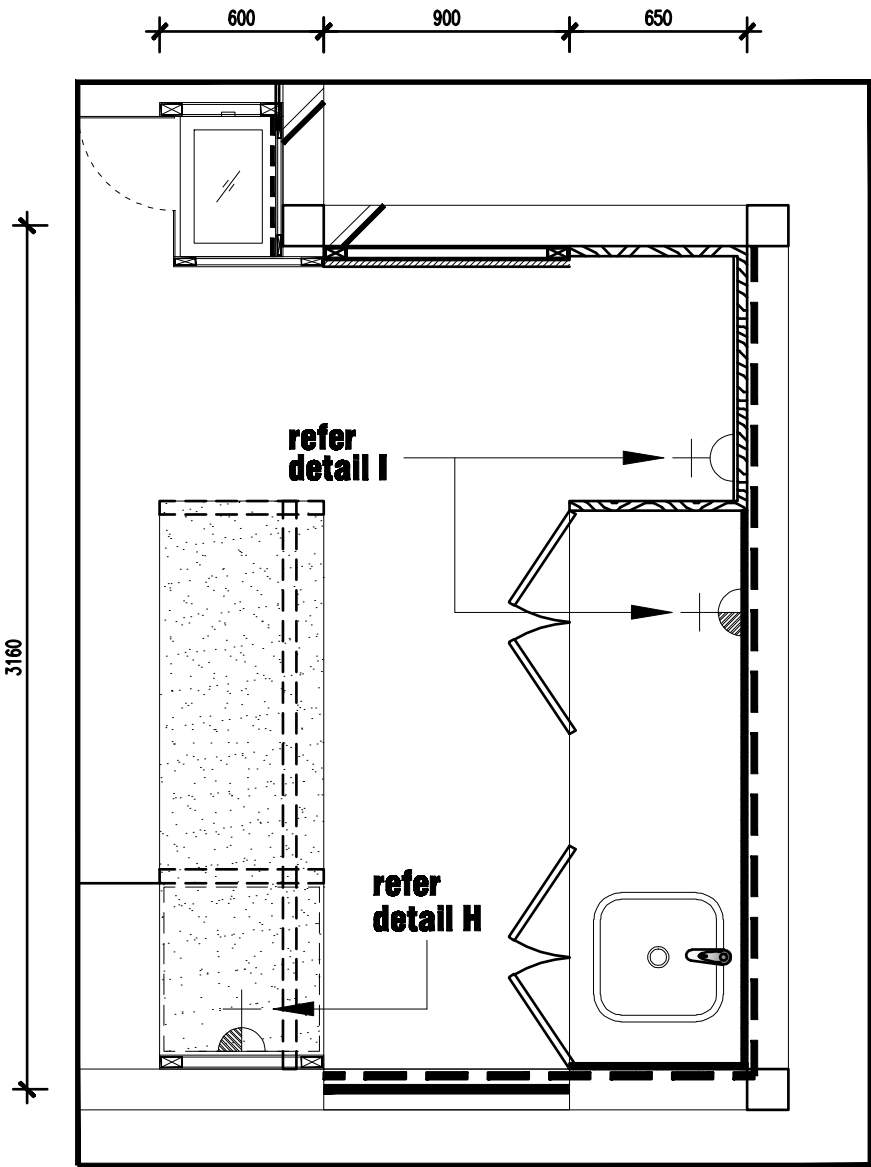
INDEKS PINDAAN
NO
HELAIAN: **05**

- NOTE: –
- IF THERE IS ANY EQUIPMENT AND INSTALLATION AS IT CONSIDERS NECESSARY FOR PROPER FUNCTIONALITY OF THE ENTIRE SYSTEM BUT NOT SPECIFIED IN THE BILL OF QUANTITY AND DRAWINGS, THE CONTRACTOR IS OBLIGED TO ENSURE THAT ALL EQUIPMENT AND INSTALLATIONS ARE PROPERLY INSTALLED IN ACCORDANCE WITH JKR STANDARD & UTM S.O APPROVAL AND ALL COSTS MUST BE BORNE BY THE CONTRACTOR.
 - ANY MODIFICATION AND MAKING GOOD AS PER S.O REQUIREMENTS ON THE EXISTING M&E SYSTEM IN ORDER TO SUIT WITH NEW M&E SYSTEM ARE UNDER CONTRACTOR RESPONSIBILITY.
 - THE CONTRACTOR MUST ENSURE THAT THE CIRCUIT IS EQUALLY DIVIDED / BALANCE BY 3 PHASE SUPPLY ON ALL ELECTRICAL BOARD AND SUBJECT TO UTM S.O APPROVAL.
 - CONTRACTOR IS OBLIGED TO ENSURE ALL MODIFICATION & MAKING GOOD ON EFFECTED EXISTING CEILINGS, WALLS, LANDSCAPES, ROAD, STRUCTURES, WALKWAY, FLOR, SLAP, BUILDING IF ANY IN ORDER TO RUN & COMPLETE ALL ELECTRICAL SCOPE OF WORKS.

- COMMAND SUPPLY SOURCE TO BE TAKEN FROM EXISTING ELECTRICAL BOARD LOCATED INSIDE ELECTRICAL ROOM/ RISER ON EACH EFFECTED FLOOR. SHOULD THERE IS ANY MAKE GOOD/MODIFICATION/ADDITION ON EXISTING ELECTRICAL BOARD, ALL RESPONSIBILITY & COST MUST BE BORNE BY THE CONTRACTOR.
- FOR THE INSTALLATION OF LIGHT FITTING IN THE CORRIDOR/FOYER AREA, THE NEW WIRING CIRCUIT SHOULD BE CONNECTED WITH THE EXISTING CORRIDOR/FOYER CIRCUIT
- FINAL DETAILS OF PLASTER CEILING RECESSED PROFILE TO BE DETERMINED DURING CONSTRUCTION ; SUBJECT TO DOWNLIGHT SIZE PROPOSED BY CONTRACTOR'S AND ARCHITECT APPROVAL
- GLASS PANEL FOR EXHAUST FAN MOUNTED AREA TO BE REPLACE WITH CLEAR ACRYLIC PANEL AND THE THICKNESS CANNOT BE LESS THAN THE THICKNESS OF GLASS PANEL.
- CONTRACTOR IS OBLIGED TO ENSURE ALL EXISTING M&E CIRCUITS, CONDUITS, TRUNKINGS & TRAYS THAT'S NOT INVOLVED IN THE CONTRACT BUT LOCATED WITHIN WORK SITE ARE & AFFECTED DUE TO NEW M&E DESIGN TO BE MAKE GOOD AND FUNCTIONING PROPERLY AS IS BEFORE SUBJECT TO S.O INSTRUCTION, REQUIREMENT AND APPROVAL.



New Lighting Layout



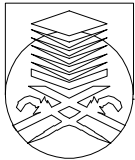
New Power Layout

LEGEND

	2 X 8.5W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 X 9W Surface Mounted Retrofit LED Bulb Down Light (Square Type)
	2 X 18W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 x 13 Amp Switch Socket Outlet
	Exhaust Fan (wall mounted)
	Exhaust Fan (ceiling mounted)
	Switches
	2 X 13 Amp Switch Socket Outlet
	LED Strip Light
	Pendent Light

TENDER DRAWING

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN
AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS
SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UTM) SHAH ALAM,
SELANGOR DARUL EHSAN



UNIVERSITI
TEKNOLOGI
MARA

NO. RUJUKAN PROJEK:
200-PPII(BP.5/3/158)- ELE

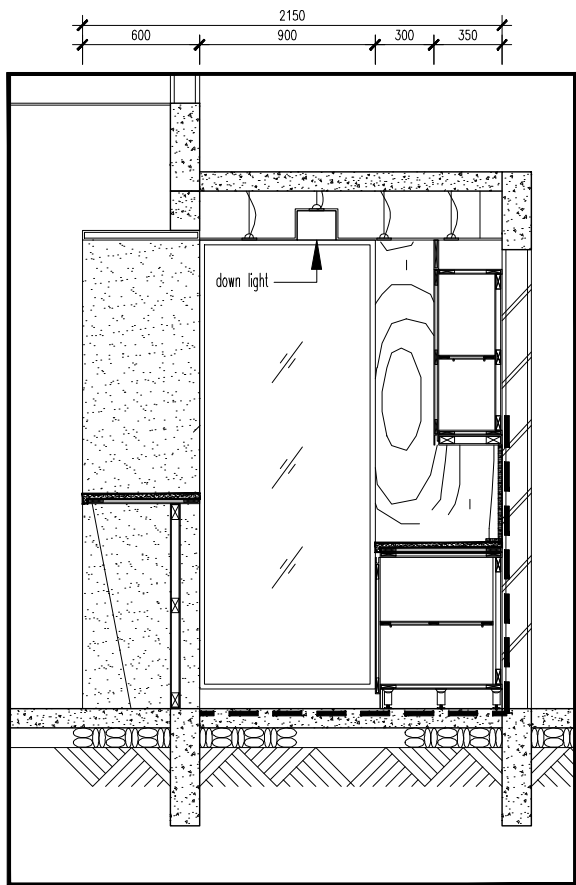
TAJUK LUKISAN:
• NEW LIGHTING & POWER LAYOUT (Staf Pantry)

TARIKH:
20 01
25 FEB.

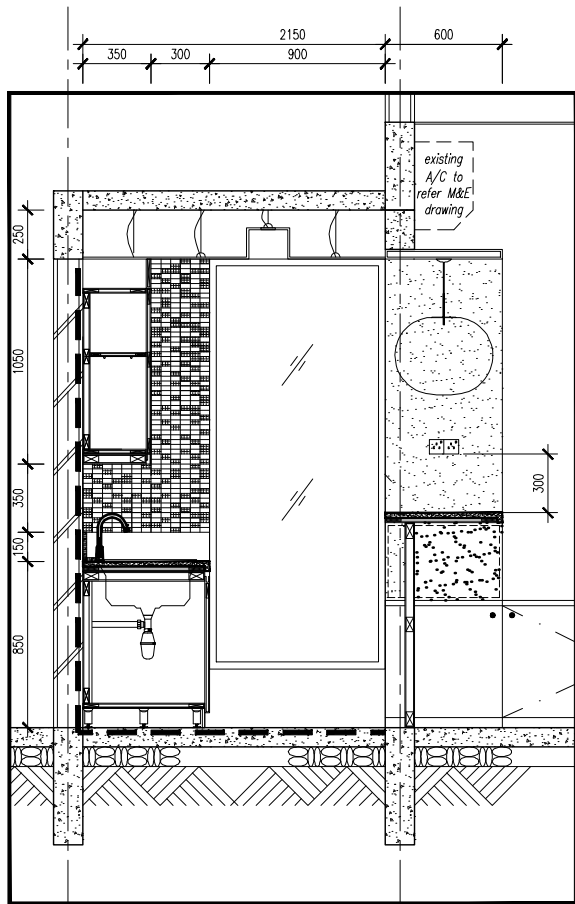
SKALA:
N.T.S

NAIB CANSOLOR : PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR : PROF. TS. SR DR. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR : IR. TS. AZMAN SAJBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA: MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK : ZAHIRUDDIN JAIDIR
DILUKIS OLEH : MUHAMMAD NAJWAN BIN SIDI OMAR
PENGURUS PROJEK / DISEMAK : Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

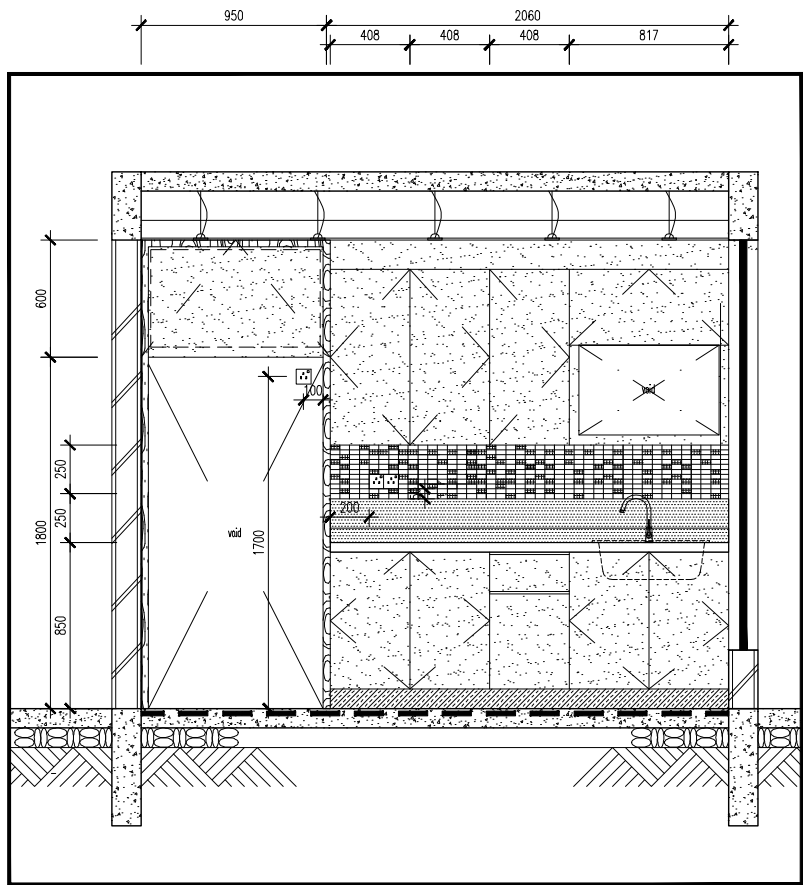
INDEKS PINDAAN
NO
HELAIAN: 06



DETAIL G

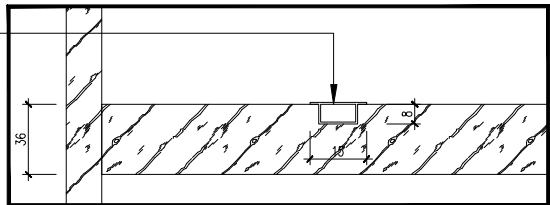


DETAIL H



DETAIL I

LED strip light c/w enclosure
subject to Architect's approval
& requirement

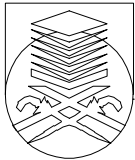


DETAIL J



PENDENT LIGHT OVERVIEW

PROJEK:
**CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN
AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS
SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UTM) SHAH ALAM,
SELANGOR DARUL EHSAN**



UNIVERSITI
TEKNOLOGI
MARA

NO. RUJUKAN PROJEK:
200-PPI(BP.5/3/158)-ELE

TAJUK LUKISAN:
DETAIL DRAWING 3
• Detail G • Detail I
• Detail H • Detail J

TARIKH:
**20 01
25 FEB.**

SKALA:
N.T.S

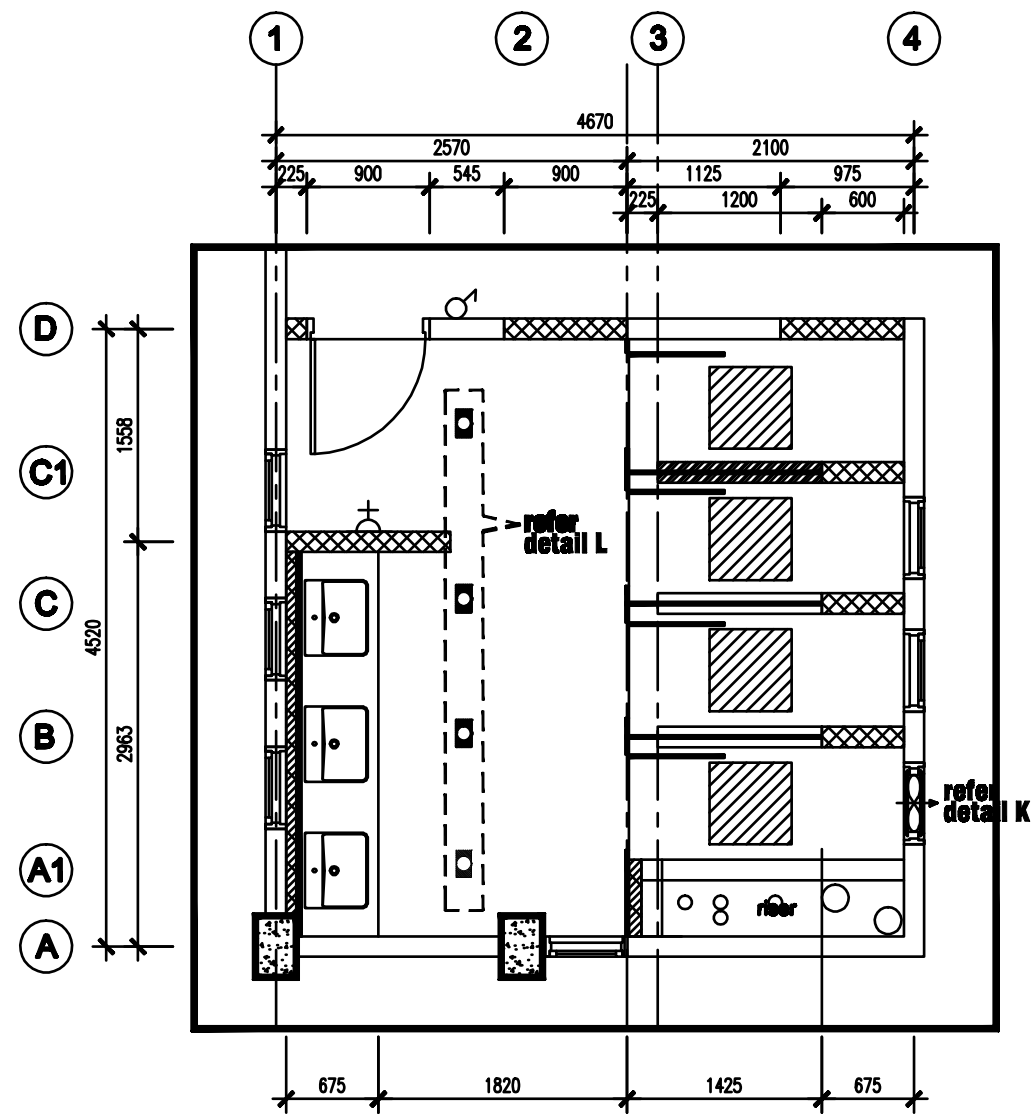
NAIB CANSOLOR	: PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR	: PROF. TS. SR DR. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR	: IR. TS. AZMAN SAJBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA	: MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK	: ZAHIRUDDIN JAIDIR
DILUKIS OLEH	: MUHAMMAD NAJWAN BIN SIDI OMAR
PENGURUS PROJEK / DISEMAK	: Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

INDEKS PINDAAN	
NO HELAIAN:	07

NOTE: –

- IF THERE IS ANY EQUIPMENT AND INSTALLATION AS IT CONSIDERS NECESSARY FOR PROPER FUNCTIONALITY OF THE ENTIRE SYSTEM BUT NOT SPECIFIED IN THE BILL OF QUANTITY AND DRAWINGS, THE CONTRACTOR IS OBLIGED TO ENSURE THAT ALL EQUIPMENT AND INSTALLATIONS ARE PROPERLY INSTALLED IN ACCORDANCE WITH JKR STANDARD & UiTM S.O APPROVAL AND ALL COSTS MUST BE BORNE BY THE CONTRACTOR.
- ANY MODIFICATION AND MAKING GOOD AS PER S.O REQUIREMENTS ON THE EXISTING M&E SYSTEM IN ORDER TO SUIT WITH NEW M&E SYSTEM ARE UNDER CONTRACTOR RESPONSIBILITY.
- THE CONTRACTOR MUST ENSURE THAT THE CIRCUIT IS EQUALLY DIVIDED / BALANCE BY 3 PHASE SUPPLY ON ALL ELECTRICAL BOARD AND SUBJECT TO UiTM S.O APPROVAL.
- CONTRACTOR IS OBLIGED TO ENSURE ALL MODIFICATION & MAKING GOOD ON EFFECTED EXISTING CEILINGS, WALLS, LANDSCAPES, ROAD, STRUCTURES, WALKWAY, FLOR, SLAP, BUILDING IF ANY IN ORDER TO RUN & COMPLETE ALL ELECTRICAL SCOPE OF WORKS.

- COMMAND SUPPLY SOURCE TO BE TAKEN FROM EXISTING ELECTRICAL BOARD LOCATED INSIDE ELECTRICAL ROOM/RISER ON EACH EFFECTED FLOOR. SHOULD THERE IS ANY MAKE GOOD/MODIFICATION/ADDITION ON EXISTING ELECTRICAL BOARD, ALL RESPONSIBILITY & COST MUST BE BORNE BY THE CONTRACTOR.
- FOR THE INSTALLATION OF LIGHT FITTING IN THE CORRIDOR/FOYER AREA, THE NEW WIRING CIRCUIT SHOULD BE CONNECTED WITH THE EXISTING CORRIDOR/FOYER CIRCUIT
- FINAL DETAILS OF PLASTER CEILING RECESSED PROFILE TO BE DETERMINED DURING CONSTRUCTION ; SUBJECTED TO DOWNLIGHT SIZE PROPOSED BY CONTRACTOR'S AND ARCHITECT APPROVAL
- GLASS PANEL FOR EXHAUST FAN MOUNTED AREA TO BE REPLACE WITH CLEAR ACRYLIC PANEL AND THE THICKNESS CANNOT BE LESS THAN THE THICKNESS OF GLASS PANEL.
- CONTRACTOR IS OBLIGED TO ENSURE ALL EXISTING M&E CIRCUITS, CONDUITS, TRUNKINGS & TRAYS THAT'S NOT INVOLVED IN THE CONTRACT BUT LOCATED WITHIN WORK SITE ARE & AFFECTED DUE TO NEW M&E DESIGN TO BE MAKE GOOD AND FUNCTIONING PROPERLY AS IS BEFORE SUBJECT TO S.O INSTRUCTION, REQUIREMENT AND APPROVAL.



New Lighting & Power layout Plan Level 3 (Male)

LEGEND

	2 X 8.5W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 X 9W Surface Mounted Retrofit LED Bulb Down Light (Square Type)
	2 X 18W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 x 13 Amp Switch Socket Outlet
	Exhaust Fan (wall mounted)
	Exhaust Fan (ceiling mounted)
	Switches
	2 X 13 Amp Switch Socket Outlet
	LED Strip Light
	Pendent Light

TENDER DRAWING

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UiTM) SHAH ALAM, SELANGOR DARUL EHSAN



NO. RUJUKAN PROJEK:
200-PPII(BP.5/3/158)- ELE

TAJUK LUKISAN:
•NEW LIGHTING & POWER LAYOUT PLAN LEVEL 3 (Male)

TARIKH:
**20 01
25 FEB.**

SKALA:
N.T.S

NAIB CANSOLOR : PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
PENOLONG NAIB CANSOLOR : PROF. TS. SR DR. MD YUSOF HAMID
PENGARAH JABATAN PEMBANGUNAN INFRASTRUKTUR : IR. TS. AZMAN SAJBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA: MOHAMMED IZRAI BIN ABD RAZAK
ARKITEK : ZAHIRUDDIN JAIDIR
DILUKIS OLEH : MUHAMMAD NAJWAN BIN SIDI OMAR
PENGURUS PROJEK / DISEMAK : Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

INDEKS PINDAAN

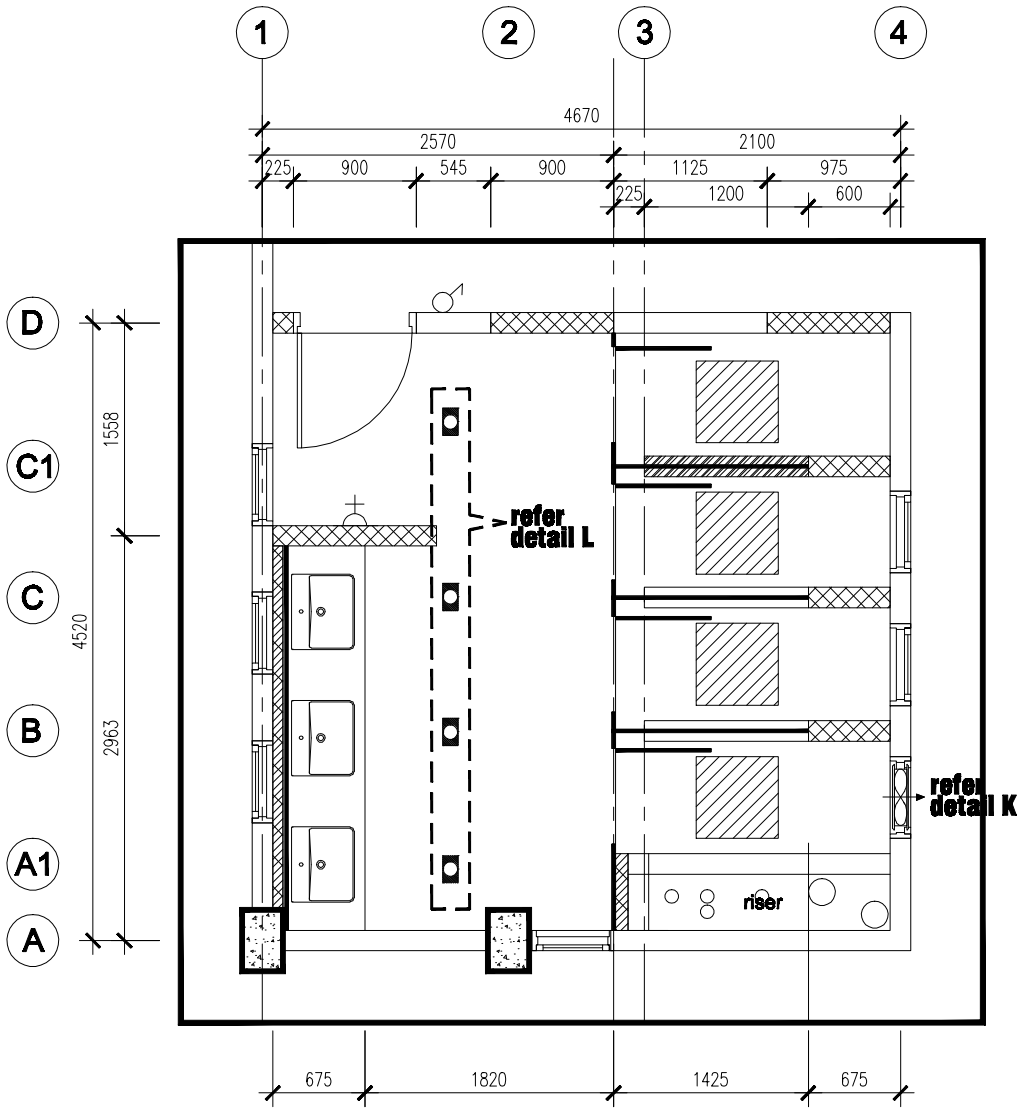
NO HEIAIAN: **08**

NOTE:-

- IF THERE IS ANY EQUIPMENT AND INSTALLATION AS IT CONSIDERS NECESSARY FOR PROPER FUNCTIONALITY OF THE ENTIRE SYSTEM BUT NOT SPECIFIED IN THE BILL OF QUANTITY AND DRAWINGS, THE CONTRACTOR IS OBLIGED TO ENSURE THAT ALL EQUIPMENT AND INSTALLATIONS ARE PROPERLY INSTALLED IN ACCORDANCE WITH JKR STANDARD & UTM S.O APPROVAL AND ALL COSTS MUST BE BORNE BY THE CONTRACTOR.

- ANY MODIFICATION AND MAKING GOOD AS PER S.O REQUIREMENTS ON THE EXISTING M&E SYSTEM IN ORDER TO SUIT WITH NEW M&E SYSTEM ARE UNDER CONTRACTOR RESPONSIBILITY.
- THE CONTRACTOR MUST ENSURE THAT THE CIRCUIT IS EQUALLY DIVIDED / BALANCE BY 3 PHASE SUPPLY ON ALL ELECTRICAL BOARD AND SUBJECT TO UTM S.O APPROVAL.
- CONTRACTOR IS OBLIGED TO ENSURE ALL MODIFICATION & MAKING GOOD ON EFFECTED EXISTING CEILINGS, WALLS, LANDSCAPES, ROAD, STRUCTURES, WALKWAY, FLOR, SLAP, BUILDING IF ANY IN ORDER TO RUN & COMPLETE ALL ELECTRICAL SCOPE OF WORKS.

- COMMAND SUPPLY SOURCE TO BE TAKEN FROM EXISTING ELECTRICAL BOARD LOCATED INSIDE ELECTRICAL ROOM/ RISER ON EACH EFFECTED FLOOR. SHOULD THERE IS ANY MAKE GOOD/MODIFICATION/ADDITION ON EXISTING ELECTRICAL BOARD, ALL RESPONSIBILITY & COST MUST BE BORNE BY THE CONTRACTOR.
- FOR THE INSTALLATION OF LIGHT FITTING IN THE CORRIDOR/FOYER AREA, THE NEW WIRING CIRCUIT SHOULD BE CONNECTED WITH THE EXISTING CORRIDOR/FOYER CIRCUIT
- FINAL DETAILS OF PLASTER CEILING RECESSED PROFILE TO BE DETERMINED DURING CONSTRUCTION ; SUBJECTED TO DOWNLIGHT SIZE PROPOSED BY CONTRACTOR'S AND ARCHITECT APPROVAL
- GLASS PANEL FOR EXHAUST FAN MOUNTED AREA TO BE REPLACE WITH CLEAR ACRYLIC PANEL AND THE THICKNESS CANNOT BE LESS THAN THE THICKNESS OF GLASS PANEL.
- CONTRACTOR IS OBLIGED TO ENSURE ALL EXISTING M&E CIRCUITS, CONDUITS, TRUNKINGS & TRAYS THAT'S NOT INVOLVED IN THE CONTRACT BUT LOCATED WITHIN WORK SITE ARE & AFFECTED DUE TO NEW M&E DESIGN TO BE MAKE GOOD AND FUNCTIONING PROPERLY AS IS BEFORE SUBJECT TO S.O INSTRUCTION, REQUIREMENT AND APPROVAL.



New Lighting & Power layout Plan Level 4 (Female)

LEGEND

	2 X 8.5W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 X 9W Surface Mounted Retrofit LED Bulb Down Light (Square Type)
	2 X 18W T8 LED Recessed Mounted Light Fitting c/w Frosted Diffuser
	1 x 13 Amp Switch Socket Outlet
	Exhaust Fan (wall mounted)
	Exhaust Fan (ceiling mounted)
	Switches
	2 X 13 Amp Switch Socket Outlet
	LED Strip Light
	Pendent Light

TENDER DRAWING

PROJEK:
CADANGAN NAIKTARAF TANDAS DI ARAS 2, 3 DAN 4 BANGUNAN AKADEMIK 2, KOMPLEKS AL-FARABI, ARSHAD AYUB GRADUATE BUSINESS SCHOOL (AAGBS), UNIVERSITI TEKNOLOGI MARA (UTM) SHAH ALAM, SELANGOR DARUL EHSAN



**UNIVERSITI
TEKNOLOGI
MARA**

NO. RUJUKAN PROJEK:
200-PPI(BP.5/3/158)-ELE

TAJUK LUKSAN:
•NEW LIGHTING & POWER LAYOUT PLAN LEVEL 4 (Female)

TARIKH:
**20 01
25 FEB.**

SKALA:
N.T.S

NAB CANSelor	: PROF. DATUK DR. SHAHRIN BIN SAHIB @ SAHIBUDDIN
PENOLONG NAB CANSelor	: PROF. TS. SR DR. MD YUSOF HAMID
PENGARAH JAJATAN PEMBANGUNAN INFRASTRUKTUR	: IR. TS. AZMAN SAJBIRAN
KETUA BAHAGIAN PEMBANGUNAN INFRA	: MOHAMMED UZRAI BIN ABD RAZAK
ARKITEK	: ZAHIRUDDIN JAIDIR
DILUKIS OLEH	: MUHAMMAD NAJWAN BIN SIDI OMAR
PENGURUS PROJEK / DISEMAK	: Ir. MOHD FAZLI MOKHTARUDDIN / NOOR AZNIZA BAHARUDDIN

INDEX PINDAAN	
NO HELAIAN:	09