

LIGHTING SYSTEM

SYMBOL	DESCRIPTION
F1	60x60cm LED MODULE TYPE RECESSED LIGHTING FIXTURE, 40W,4000K, MIN. 100LUMEN/W, CRI>80, IP-20.
F2	DITTO AS ABOVE BUT WITH EMERGENCY KIT.
F3	SURFACE MOUNTED WITH LED MODULE STRIP LAMP, 4000 LUMEN ,40WATT, CRI>80 STEEL BODY AND ACRYLIC DIFFUSER IP-20
F4	DITTO AS ABOVE BUT WITH EMERGENCY KIT
F5	SURFACE MOUNTED WITH LED MODULE STRIP LAMP,4000 LUMEN , 40WATT, CRI>80 ALUMINIUM BODY AND POLYCARBONATE DIFFUSER IP-65
F6	DITTO AS ABOVE BUT WITH EMERGENCY KIT
F7	SURFACE MOUNTED WITH LED MODULE STRIP LAMP, 2700 LUMEN ,27WATT, CRI>80 STEEL BODY AND ACRYLIC DIFFUSER IP-20
F8	DITTO AS ABOVE BUT WITH EMERGENCY KIT
F9	SURFACE MOUNTED WITH LED MODULE STRIP LAMP,4000 LUMEN , 40WATT, CRI>80 MADE OF DIE- CAST ALUMINIUM AND MICRO PRISMATIC DIFFUSER IP-44
F10	RECESSED MOUNTED, LED MODULE DOWNLIGHT, 20W,4000K, CRI>80,MIN. 100LUMEN/W, CRI>80, GLASS COVER, IP-20.
F11	SPOTLIGHT LED MODULE TYPE RECESSED LIGHTING FIXTURE, 20W,4000K, CRI>80 MIN. 100LUMEN/W, IP-44.
F12	SPOTLIGHT LED MODULE TYPE RECESSED LIGHTING FIXTURE, 12W,4000K, CRI>80 MIN. 100LUMEN/W, IP20.
F13	DITTO AS ABOVE BUT WITH EMERGENCY KIT.
F14	SURFACE MOUNTED LED LIGHT FIXTURE LAMP, 1100LUMEN , 11WATT, CRI>80, IP20.
F15	DITTO AS ABOVE BUT WITH EMERGENCY KIT
F16	SURFACE MOUNTED LED LIGHT FIXTURE LAMP, 1000LUMEN , 10WATT,4000K, CRI>80 MIN. 100LUMEN/W, CRI>80 IP-44.
F17	WALL MOUNTED DUST PROOF LUMINAIRE, WITH 20W LED LAMP WITH METALLIC GUARD, IP-54.
F18	OUTDOOR FLOODLIGHT, BODY OF DIE-CAST ALUMINIUM,100W,4000K, CRI>80 MIN. 125 LUMEN/W,IP-65
F19	RECESSED MOUNTED LED LIGHT FIXTURE LAMP, 1000LUMEN , 10WATT,4000K, CRI>80 MIN. 100LUMEN/W, CRI>80 IP-44.
F20	DITTO AS F9 TYPE BUT WITH EMERGENCY KIT.
F21	SURFACE MOUNTED LED LIGHT FIXTURE LAMP, 2000LUMEN , 20WATT,4000K, CRI>80 MIN. 100LUMEN/W, CRI>80 WITH OPAL DIFFUSER COVER,IP-44.
P1	SINGLE ARM STEEL POLE, 8.0M HEIGHT WITH 0.5M LENGTH ARM,MIN. 125 LUMEN/W, AND 1X80W LED LAMP LIGHTING FIXTURE, CRI>80, BODY OF DIE-CAST ALUMINIUM FOR HIGH CORROSION RESISTANCE, POWDERED PAINT, IP-65
P2	DOUBLE ARM STEEL POLE, 8.0M HEIGHT WITH 0.5M LENGTH ARM,MIN. 125 LUMEN/W, AND 2X80W LED LAMP LIGHTING FIXTURE, CRI>80, BODY OF DIE-CAST ALUMINIUM FOR HIGH CORROSION RESISTANCE, POWDERED PAINT, IP-65
P3	4 X 180 WATT LED LAMP HIGH PERFORMANCE FLOODLIGHT WITH OPTIC REFLECTOR FOR LED DOUBLE ENDED LAMPS, IP66, CRI>80,MIN. 135 LUMEN/W, BODY AND FRAME: DIE-CAST ALUMINIUM ,8.0METER HEIGHT
EXIT	EXIT SIGN LIGHTING FIXTURE ,SELF CONTAINED MAINTAINED, PENDANT FROM CEILING OR WALL MOUNTED WITH SWATT LED LAMP WITH , EMERGENCY KIT AND SELF TEST FACILITY IP20.
F	WALL MOUNTED ELECTRICAL FAN 100 WATT.
1-GANG, 2-GANG, 3-GANG LIGHTING SWITCH, ONE WAY 10A	
1-GANG, 2-GANG LIGHTING SWITCH,TWO WAYS,3-GANG,THREE WAYS,10A	
INTERMEDIATE SWITCH 10A	
10A PUSH-BUTTON SWITCH WITH INDICATION LAMP.	
PASSIVE INFRARED CEILING MOUNTED PRESENCE DETECTOR.	

POWER SYSTEM

SYMBOL	DESCRIPTION
	230V, 13A SINGLE PHASE, 3-PIN SOCKET OUTLET WITH SWITCH.
	230V, 13A SINGLE PHASE, 3-PIN DOUBLE SOCKET OUTLET WITH SWITCH.
	230V, 13A SINGLE PHASE, 3-PIN SINGLE SOCKET OUTLET WITH SWITCH AND INDICATION LAMP, CONNECTED TO UPS PANEL.
	230V, 13A SINGLE PHASE, 3-PIN SINGLE SOCKET OUTLET WITH SWITCH AND INDICATION LAMP,CONNECTED TO UPS PANEL FOR CAMERA LEVEL AND LOCATION
	230V, 13A SINGLE PHASE, 3-PIN SINGLE SOCKET OUTLET WITH SWITCH AND INDICATION LAMP, CONNECTED TO UPS PANEL, IP44,FOR CAMERA LEVEL AND LOCATION.
	230V, 13A SINGLE PHASE SOCKET OUTLET WITH COVER, IP44 .
	230V, 13A SINGLE PHASE, 3-PIN SOCKET OUTLET WITH SWITCH AND SHUTTER FOR CHLD PROTECTION @1.20M FFL.
	230V, 13A SINGLE PHASE, 3-PIN DOUBLE SOCKET OUTLET WITH SWITCH AND SHUTTER FOR CHLD PROTECTION @1.20M FFL.
	230V, 20A SINGLE PHASE INDUSTRIAL SWITCHED SOCKET OUTLET WITH IP-44.
	400V, 32A THREE PHASE INDUSTRIAL SWITCHED SOCKET OUTLET WITH IP-44.
	230V, 13A SINGLE PHASE, 3-PIN SOCKET OUTLET WITH SWITCH FOR COUNTER
	230V, 13A SINGLE PHASE, 3-PIN DOUBLE SOCKET OUTLET WITH SWITCH FOR COUNTER
	230V, 13A SINGLE PHASE, 3-PIN SOCKET OUTLET WITH SWITCH AND COVER FOR COUNTER IP 44.
	230V, 13A SINGLE PHASE, 3-PIN SOCKET OUTLET WITH SWITCH CEILING MOUNTED FOR PROJECTOR
	230V, 13A SINGLE PHASE, 3-PIN SOCKET OUTLET WITH SWITCH WALL MOUNTED FOR WI - FI @2.5 M HEIGHT
	230V, 20A DOUBLE POLE SWITCH WITH INDICATION LAMP FOR INDOOR SPLIT UNIT
	WALL MOUNTED 230V, 20A DOUBLE POLE SWITCH WITH INDICATION LAMP
WH	WATER HEATER
	DISCONNECT SWITCH (D\S) ISOLATOR, 3-PHASE, SERVING MECHANICAL EQUIPMENT RATING AS SHOWN ON PLANS. IP-65 FOR OUTDOOR UNIT.
	DISCONNECT SWITCH (D\S) ISOLATOR, 1-PHASE, SERVING MECHANICAL EQUIPMENT RATING AS SHOWN ON PLANS. IP-65 FOR OUTDOOR UNIT.
	FINAL DISTRIBUTION BOARD (DB)
	MOTOR CONTROL CENTER (MCC)
	MAIN DISTRIBUTION BOARD (MDB)
UPS	UNINTERRUPTIBLE POWER SUPPLY
E	ELECTRICAL MANHOLE 60X60X80CM
EP	EARTH PIT.
MCCB	3 PHASE MOLDED CASE CIRCUIT BREAKER (MCCB) RATED AS SHOWN ON PLANS.
MCCB	1 PHASE MOLDED CASE CIRCUIT BREAKER (MCCB)
MCB	3 PHASE MINIATURE CIRCUIT BREAKER (MCB)
MCB	1 PHASE MINIATURE CIRCUIT BREAKER (MCB)
	INDICATOR LAMP
TCL	TOTAL CONNECTED LOAD.
TDL	TOTAL DEMAND LOAD.
	EARTHING PIT.

LOW CURRENT AND SECURITY SYSTEMS

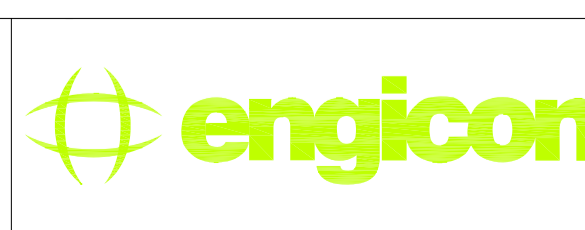
SYMBOL	DESCRIPTION
	1/3" CMOS IMAGE SENSOR , 3MP SENSOR PIXELS , DAY LIGHT 3.8 - 13 MM VARIFOCAI NETWORK CAMERA COMPLETE WITH OUT DOOR HOUSING IP 66 (NEMA 4X)
	1/2.7" CMOS IMAGE SENSOR , FIXED IN CEILING RECESSED / SURFACE MOUNTED DOME NETWORK DAY NIGHT VARIFOCAL 3.8/13 MM CAMERA
	METAL MAGNETIC CONTACT
	INTERNAL INTRUSION SOUNDER
	INTRUSION CONTROL PANEL
	RJ11 SINGLE VOICE WALL MOUNTED OUTLET @ 0.4 M
	DUAL RJ45 DATA & VOICE WALL MOUNTED OUTLET @ 0.4 M.
	SINGLE RJ45 DATA & VOICE WALL MOUNTED OUTLET @ 0.4 M.
C	SINGLE DATA OUT LET (COUNTER FITTING) AS PER ARCH ENLARGEMENT DETAIL
	SINGLE RJ45 ON FLEET WALL MOUNT @ 2.5M PROVISION FOR WIRELESS ACCESS POINT
	DITTO BUT CEILING MOUNT PROVISION FOR PROJECTOR
DC	19" DATA CABINET.(AS SPECIFICATION & BOQ)
PAR	SCHOOL RADIO AND PUBLIC ADDRESS RACK @ RADIO ROOM
AVR	AUDIO VIDEO RACK @ MULTIPURPOSE STAGE
	LCD PROJECTOR WITH CEILING MOUNT BRACKET
	6 WATT WALL MOUNT SPEAKER @ 2.2 M F.L.L.
	20 WATT WALL MOUNT OUTDOOR HORN SPEAKER @ 3 M F.L.L.
	SCHOOL PROGRAM / CLASSROOM CHANGE BELL
	SCHOOL PROGRAM / CLASSROOM CHANGE SIREN/FLASHER
	SCHOOL PROGRAM / CLASSROOM CHANGE BELL CONTROLLER @ PRINCIPLE OFFICE
	STAGE LIGHTING PARCAN
	PROFESSIONAL WALL MOUNT SPEAKER @ MULTIPURPOSE
	200" MOROIZED SCREEN
JB	19" TELEPHONE CONNECTION BOX .(AS SPECIFICATION & BOQ)
	7 METER TRIANGULAR ALUMINIUM TRUSR

FIRE ALARM SYSTEM

SYMBOL	DESCRIPTION
	CONVENTIONAL PHOTOELECTRIC SMOKE DETECTOR WITH BASE.
A	DITTO AS ABOVE BUT ABOVE FOLSE SAILING
H	CONVENTIONAL RATE OF RISE HEAT DETECTOR WITH BASE.
B	CONVENTIONAL PULL STATION
V	INDOOR CONVENTIONAL FLASHER/SOUNDER.
W	OUT DOOR CONVENTIONAL FLASHER/SOUNDER.
FACP	CONVENTIONAL FIRE ALARM CONTROL PANEL (ZONES AS PER BOQ).
EOL	END OF LINE RESISTOR.

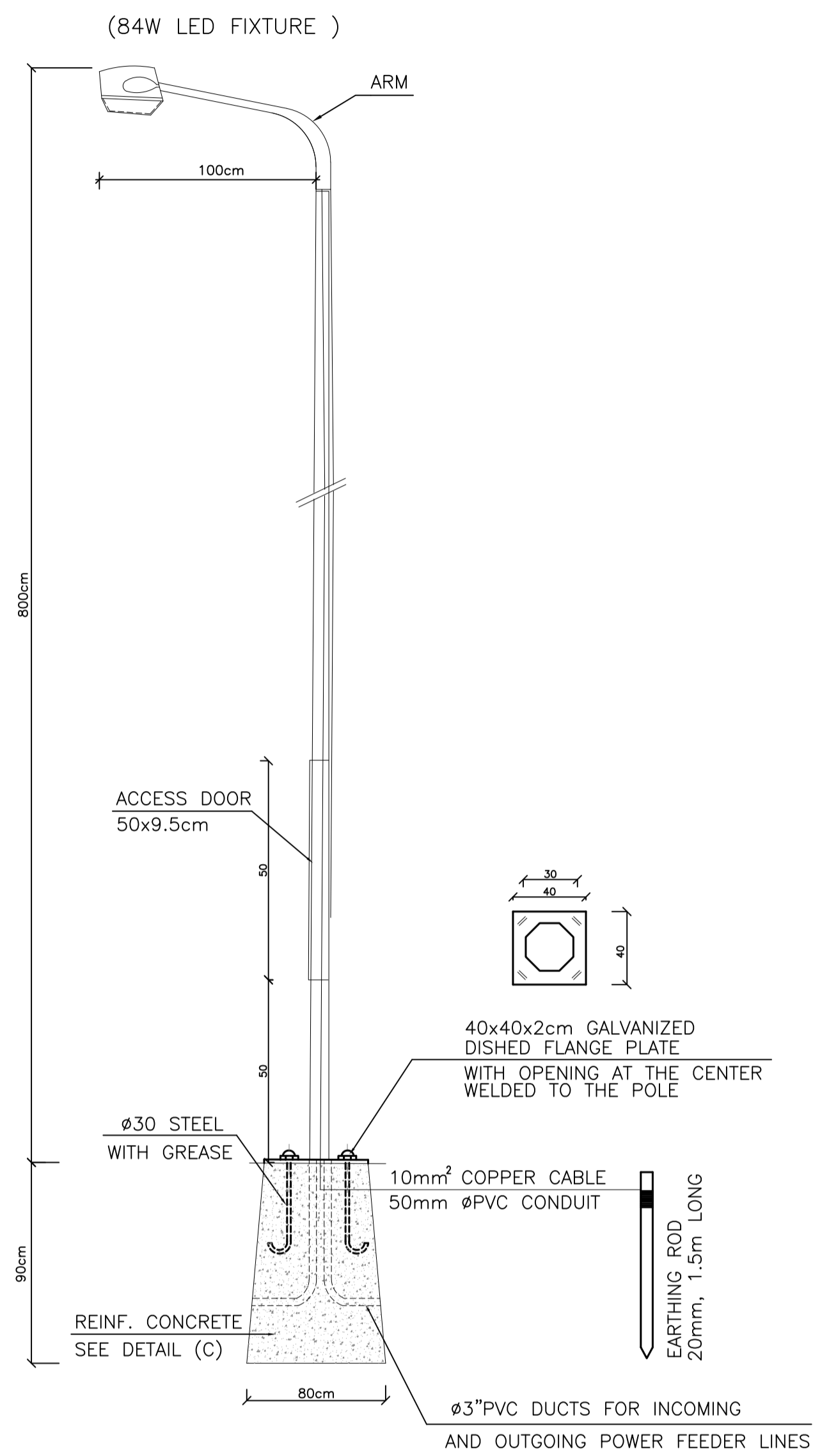
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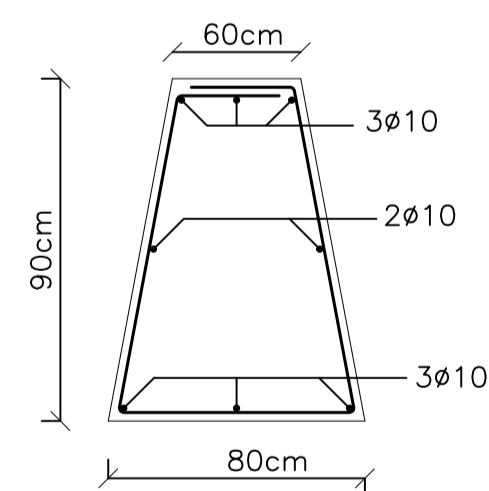


PHASE III	Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
PACKAGE 2	SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

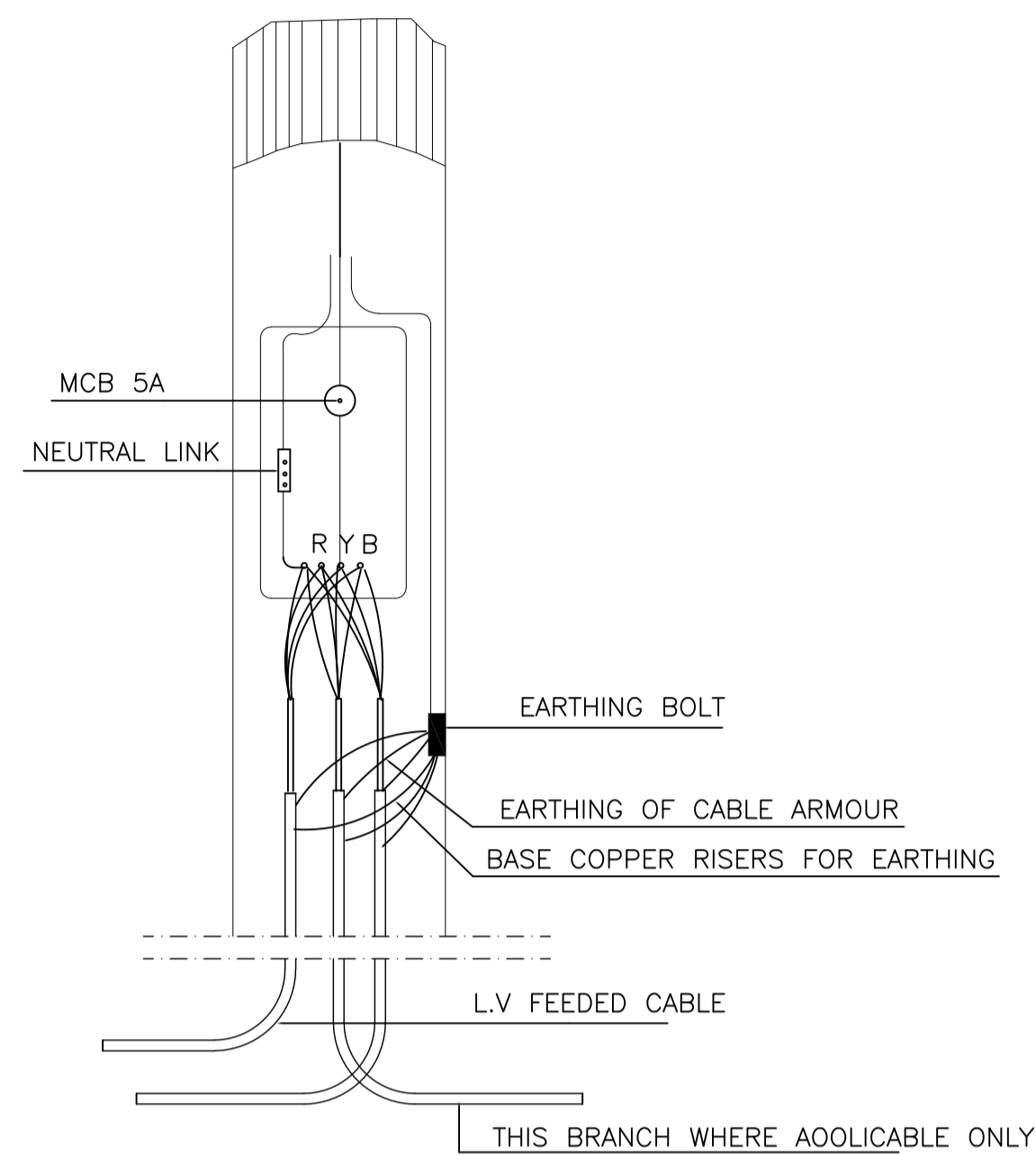
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SCALE:		N.T.S.		Date: June 2019	Approved: W.Z.	Rev.:	
PLOT No	LOCATION	BASIN NO	DRAWING NUMBER:		Rev.:		
1496	Marka	1 Hanao Al Kassar	SKEP 18-EG001		0		



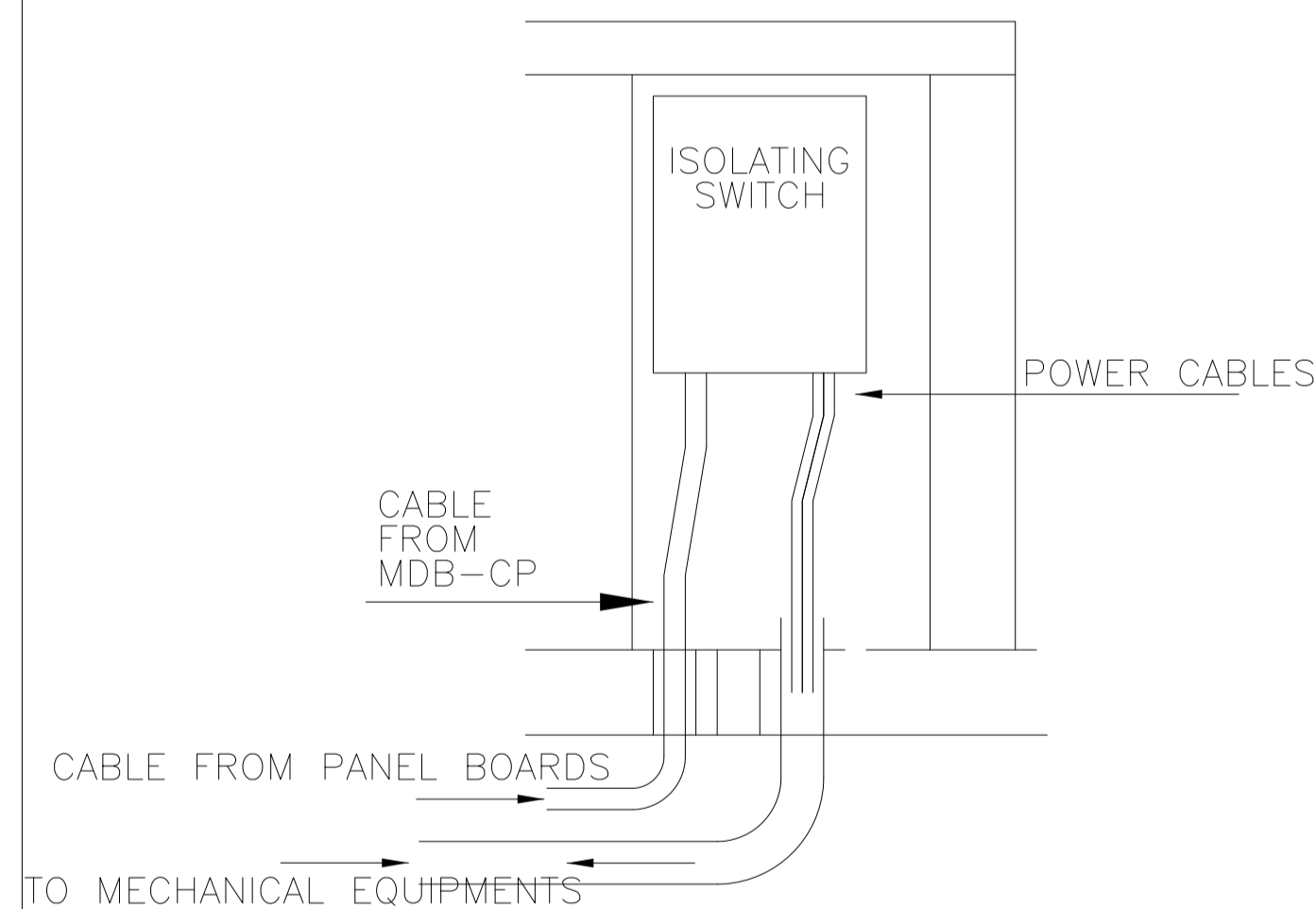
STREET LIGHTING POLE
N.T.S.



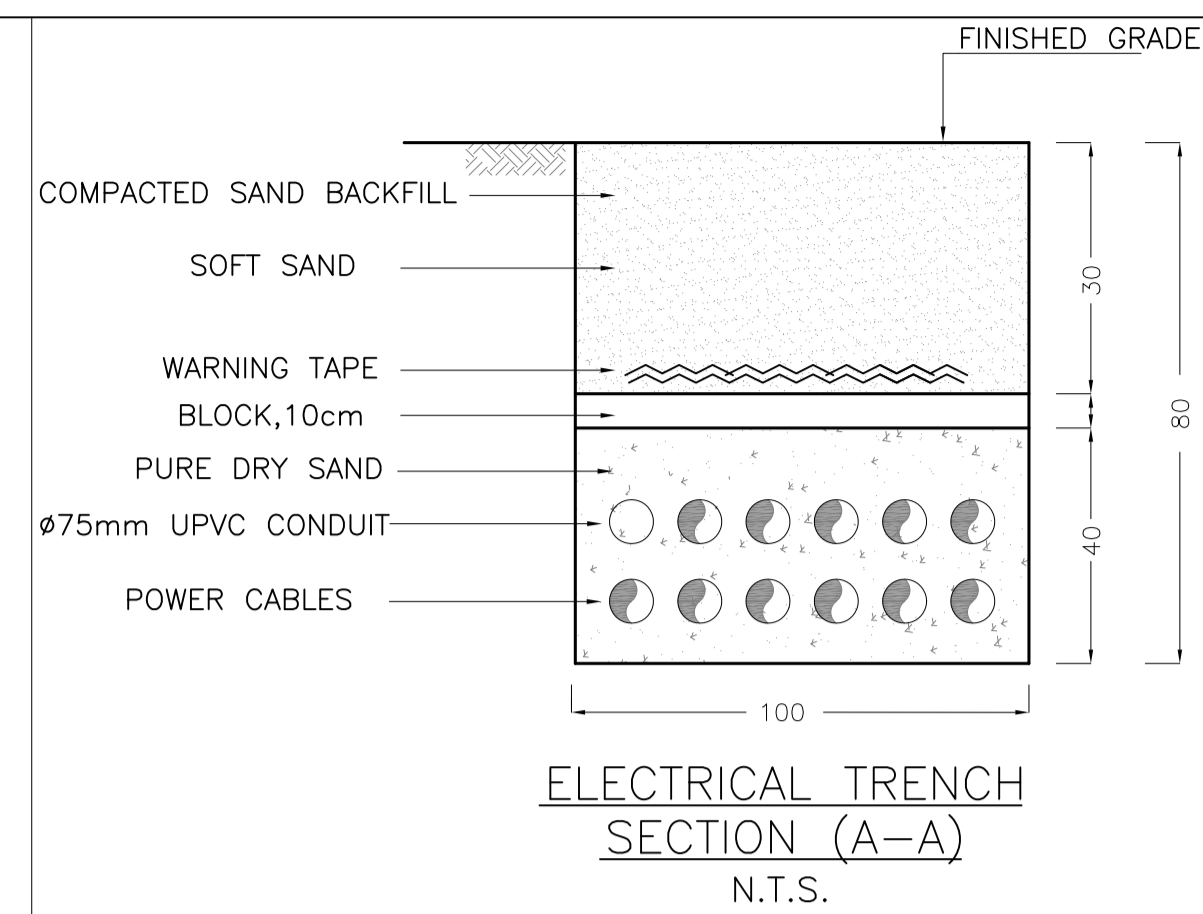
DETAIL (C)
REINFORCED CONCRETE (R.C.) BASE
N.T.S.



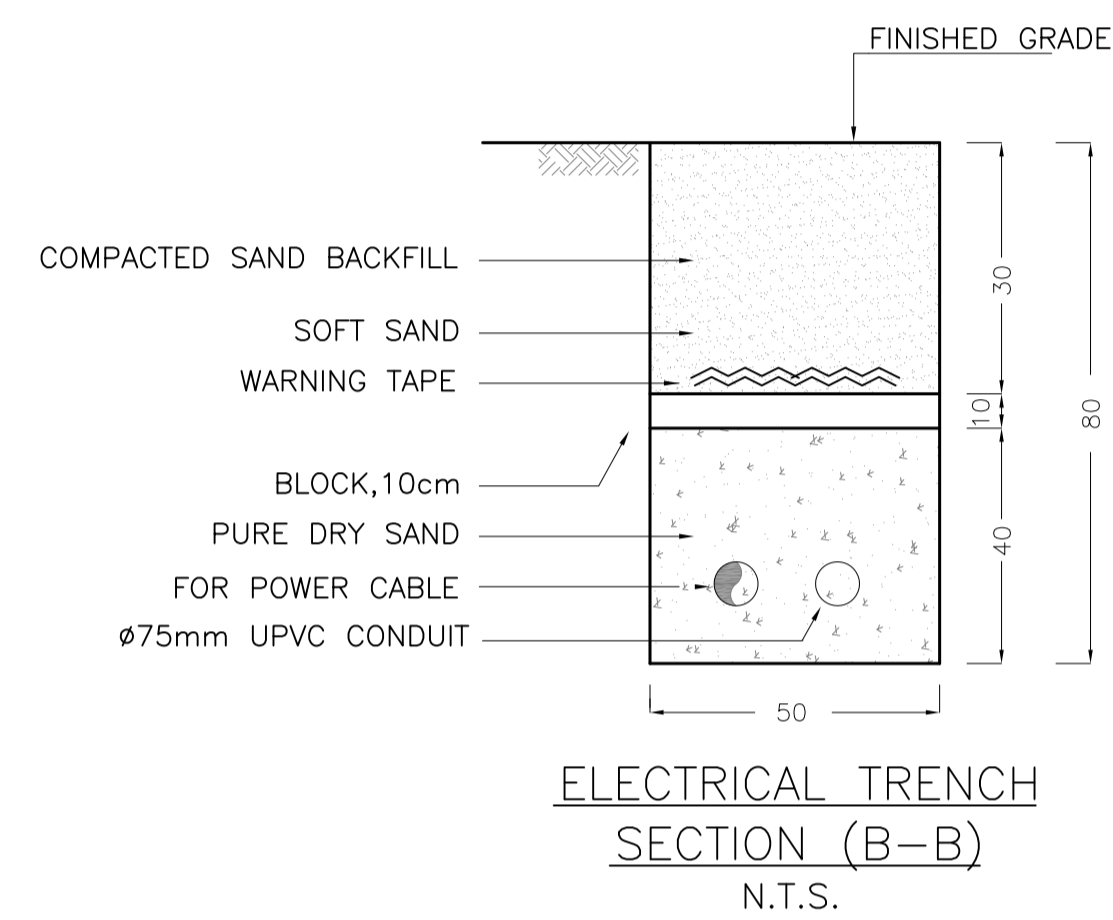
SCHEMATIC OF JUNCTION BOX
AT BASE OF POLE
N.T.S.



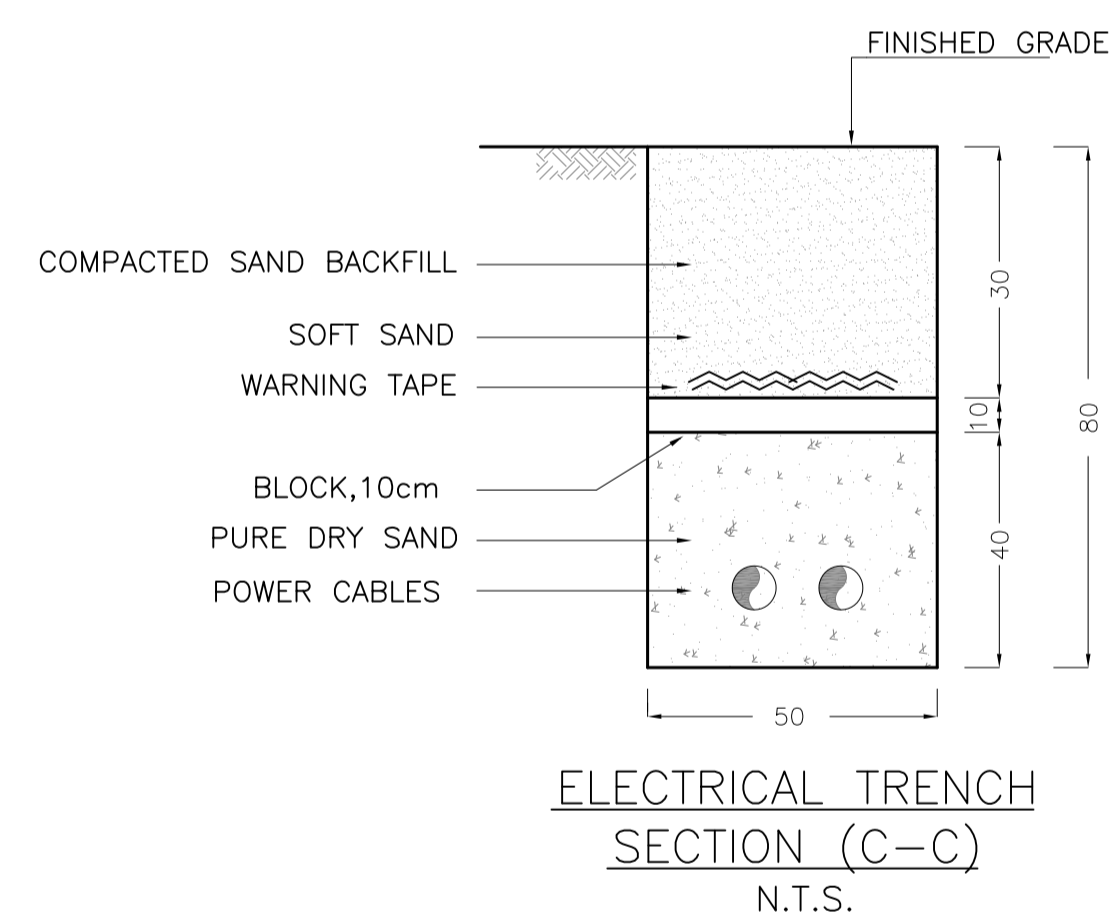
DETAILS SECTION "B"
N.T.S.



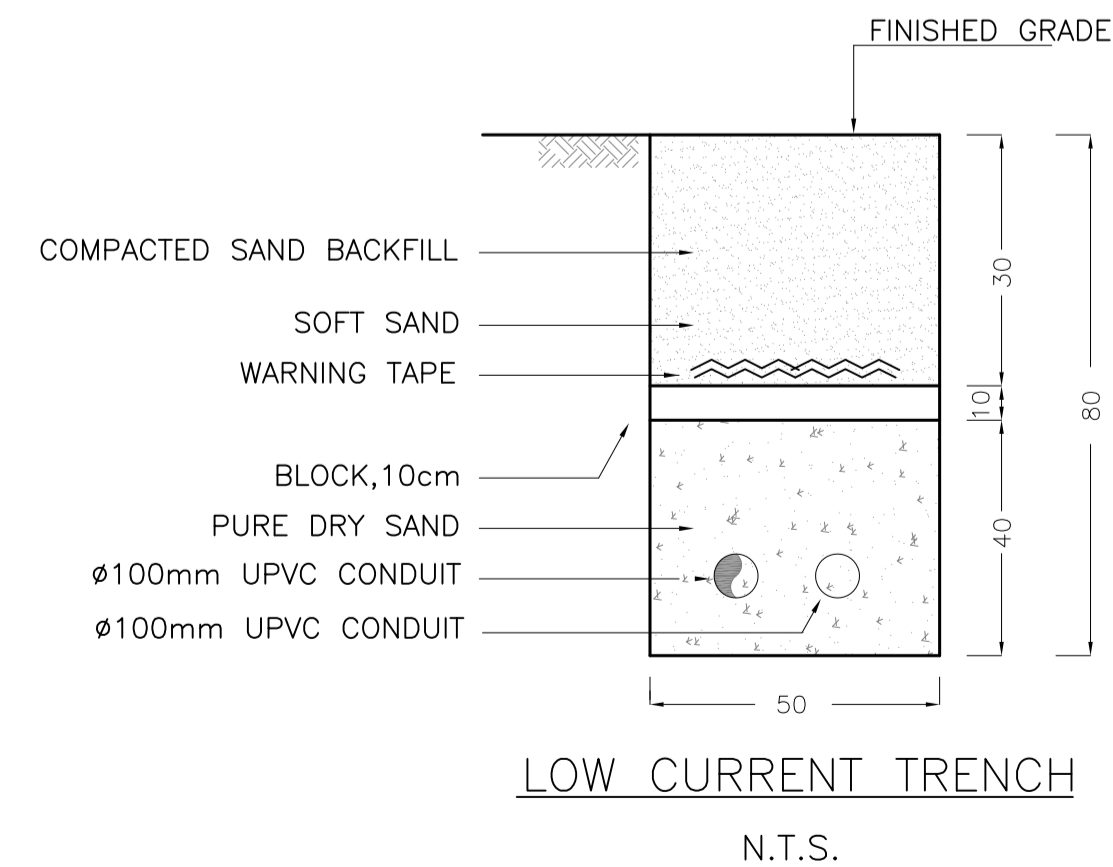
ELECTRICAL TRENCH
SECTION (A-A)
N.T.S.



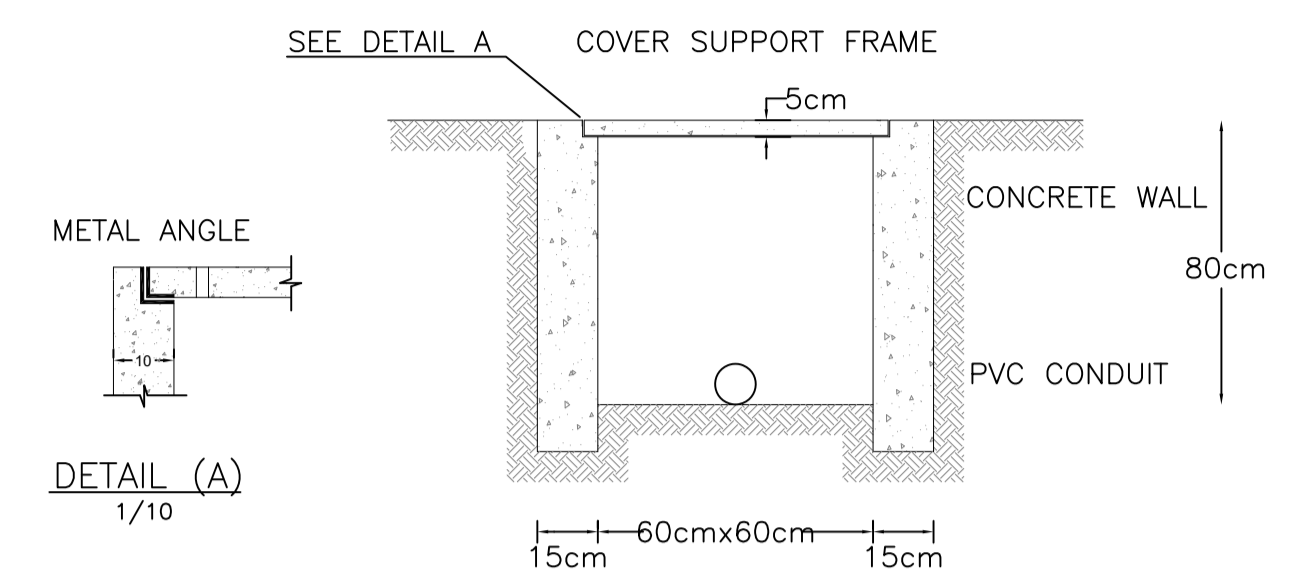
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SECTION (B-B)
N.T.S.



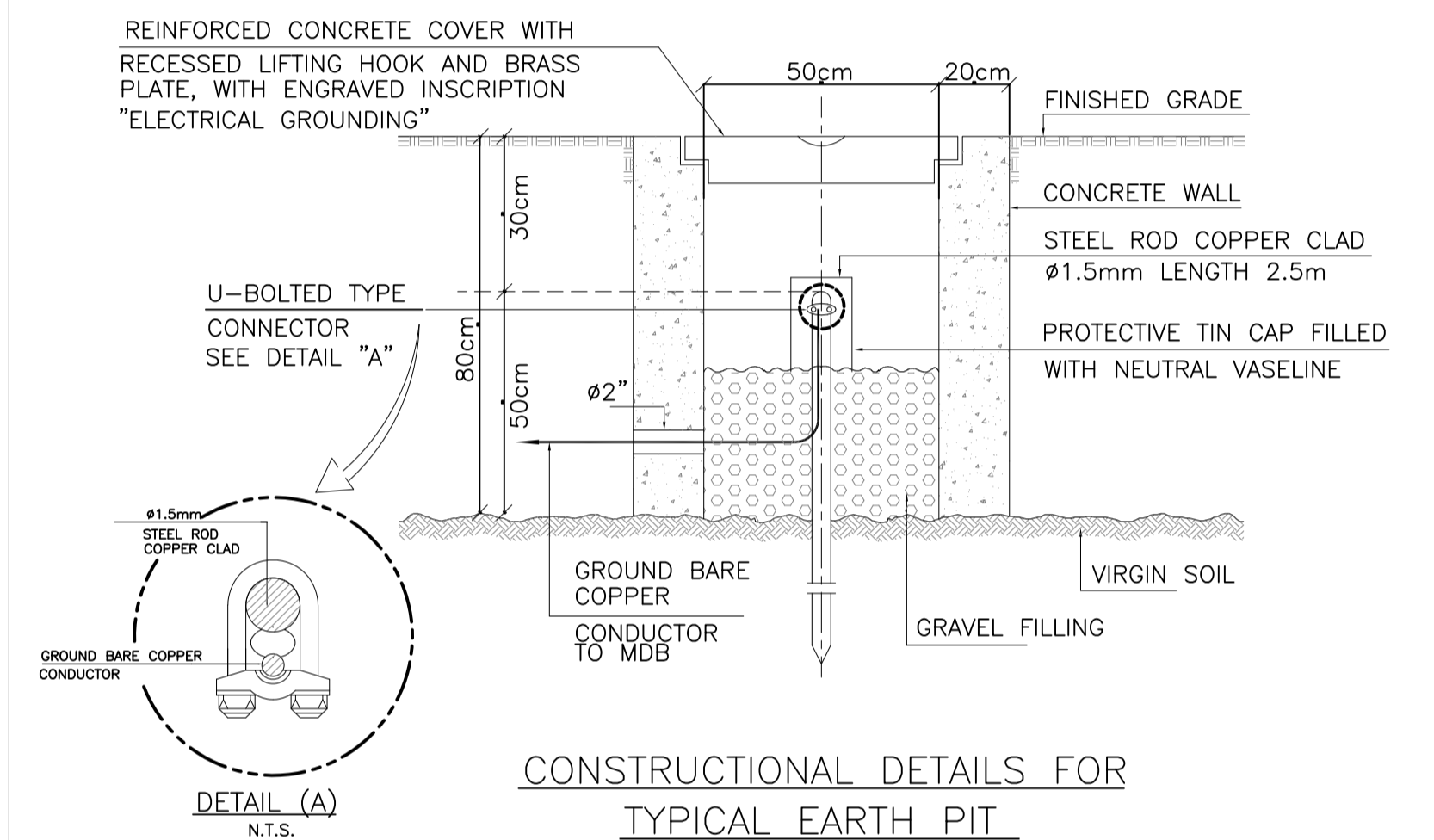
ELECTRICAL TRENCH
SECTION (C-C)
N.T.S.



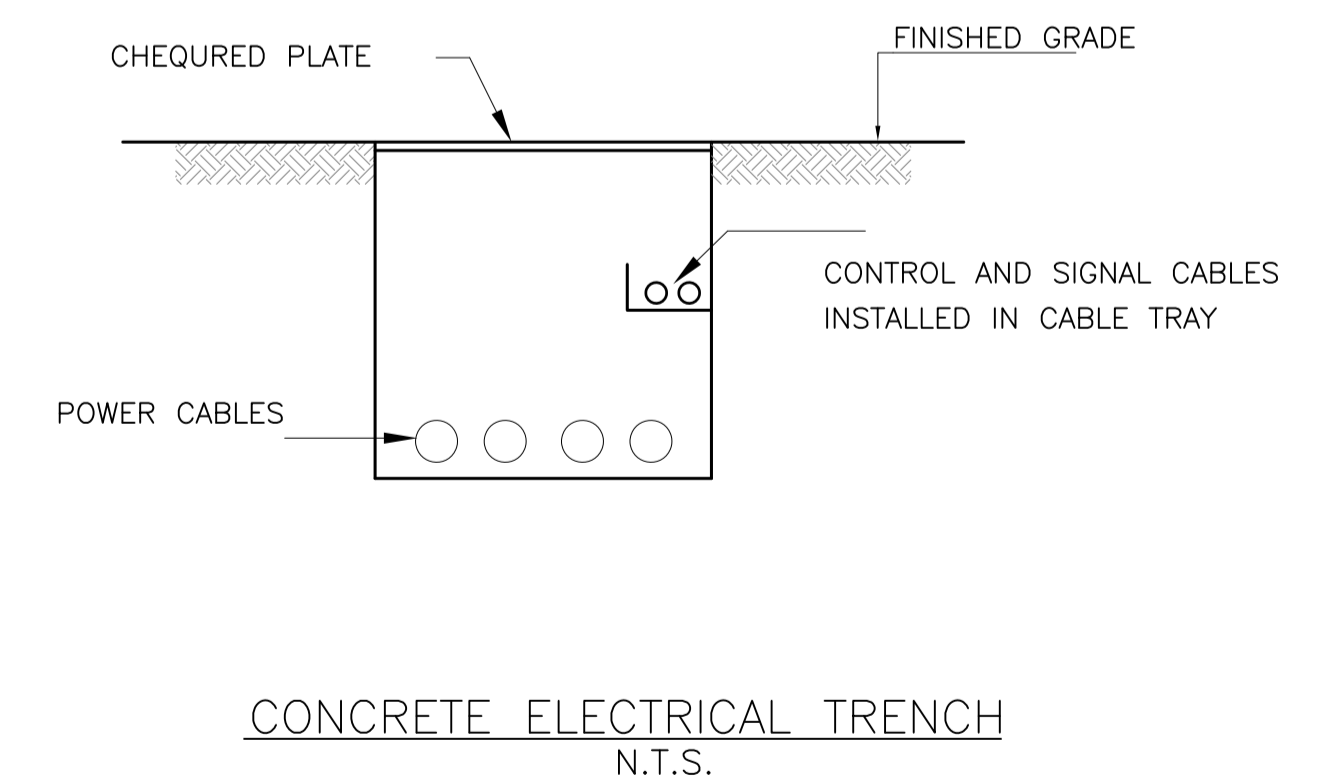
LOW CURRENT TRENCH
N.T.S.



ELECTRIC CONCRETE MANHOLE
N.T.S.



CONSTRUCTIONAL DETAILS FOR
TYPICAL EARTH PIT
N.T.S.



CONCRETE ELECTRICAL TRENCH
N.T.S.

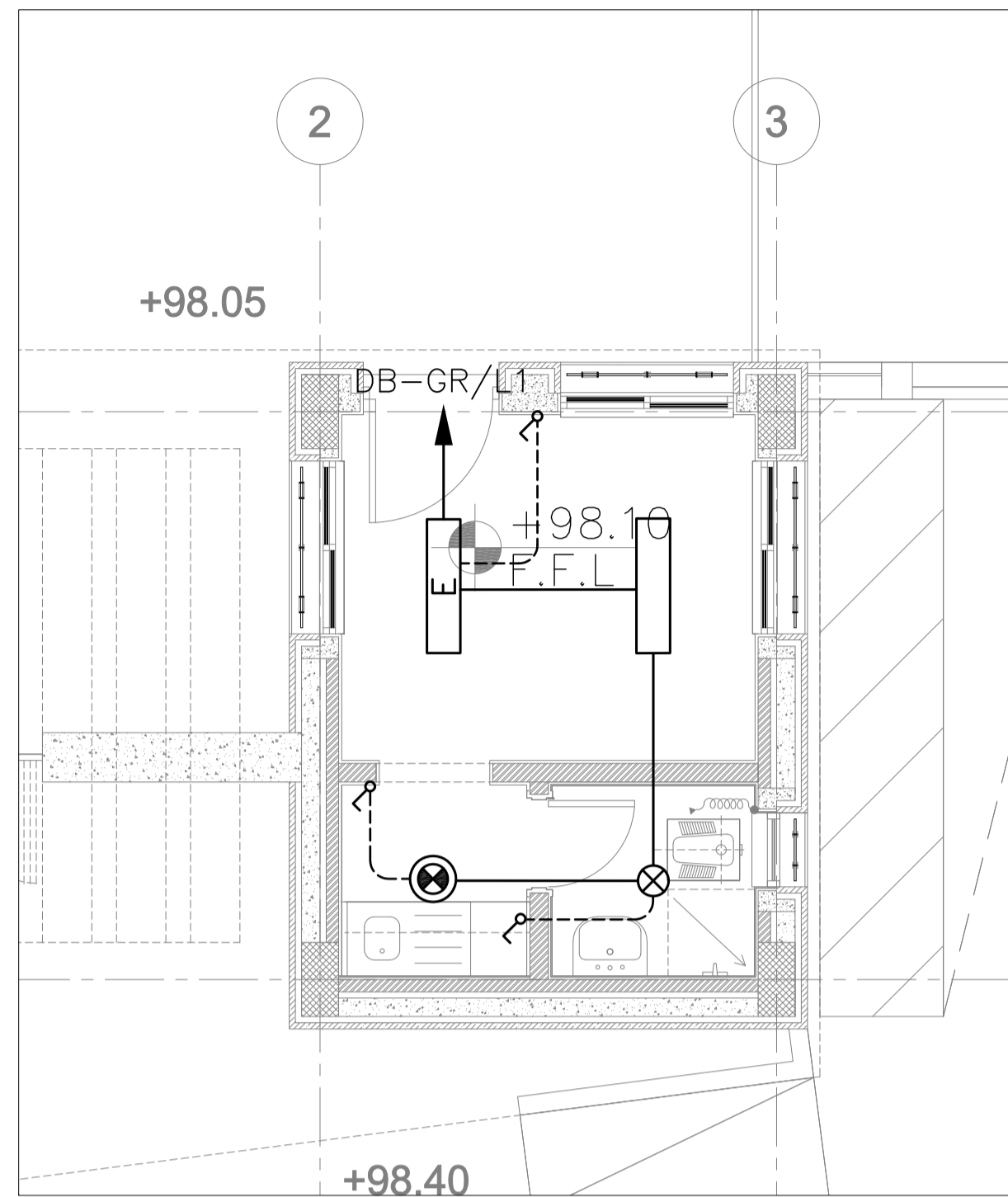
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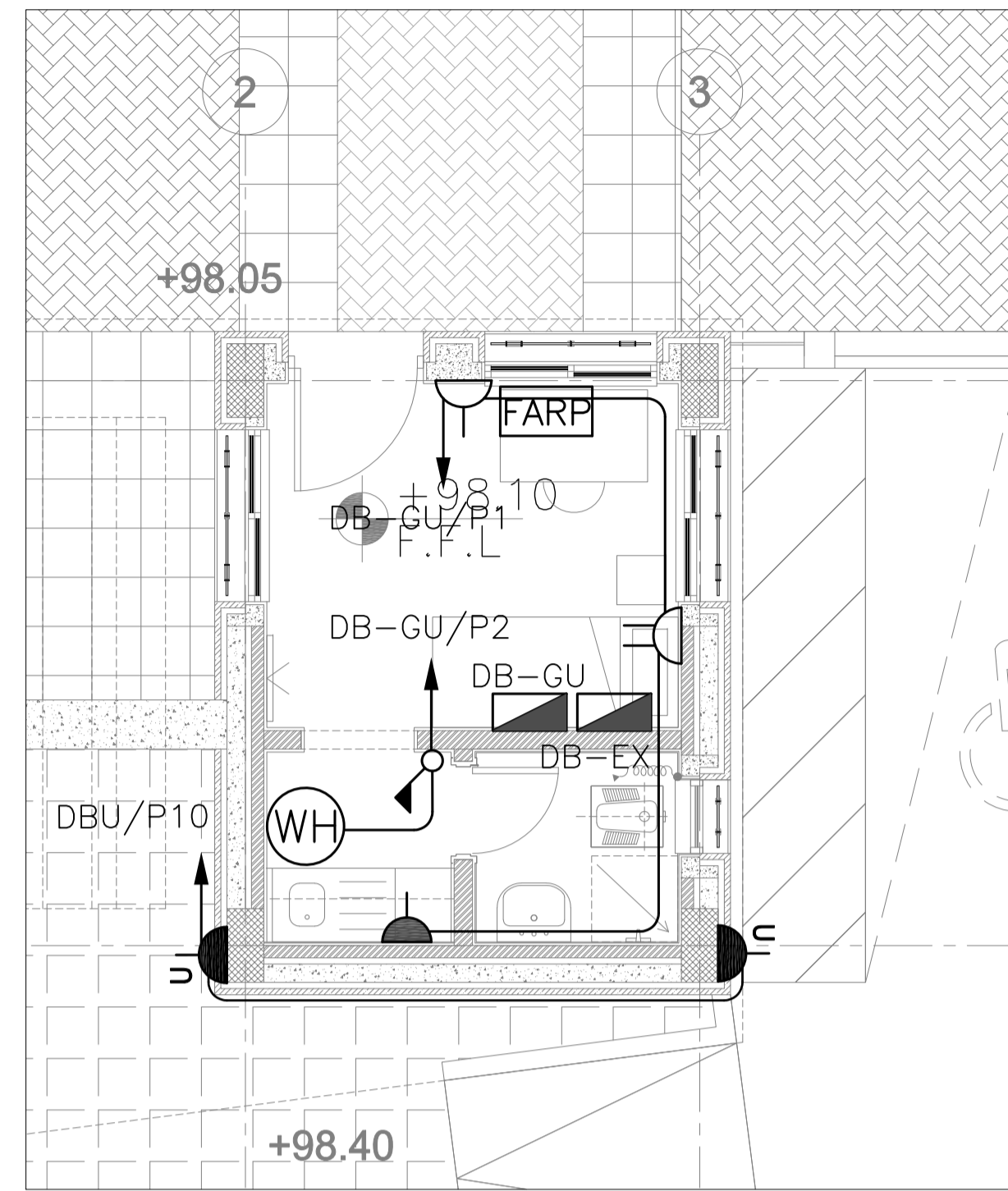


PHASE III	Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
PACKAGE 2	SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

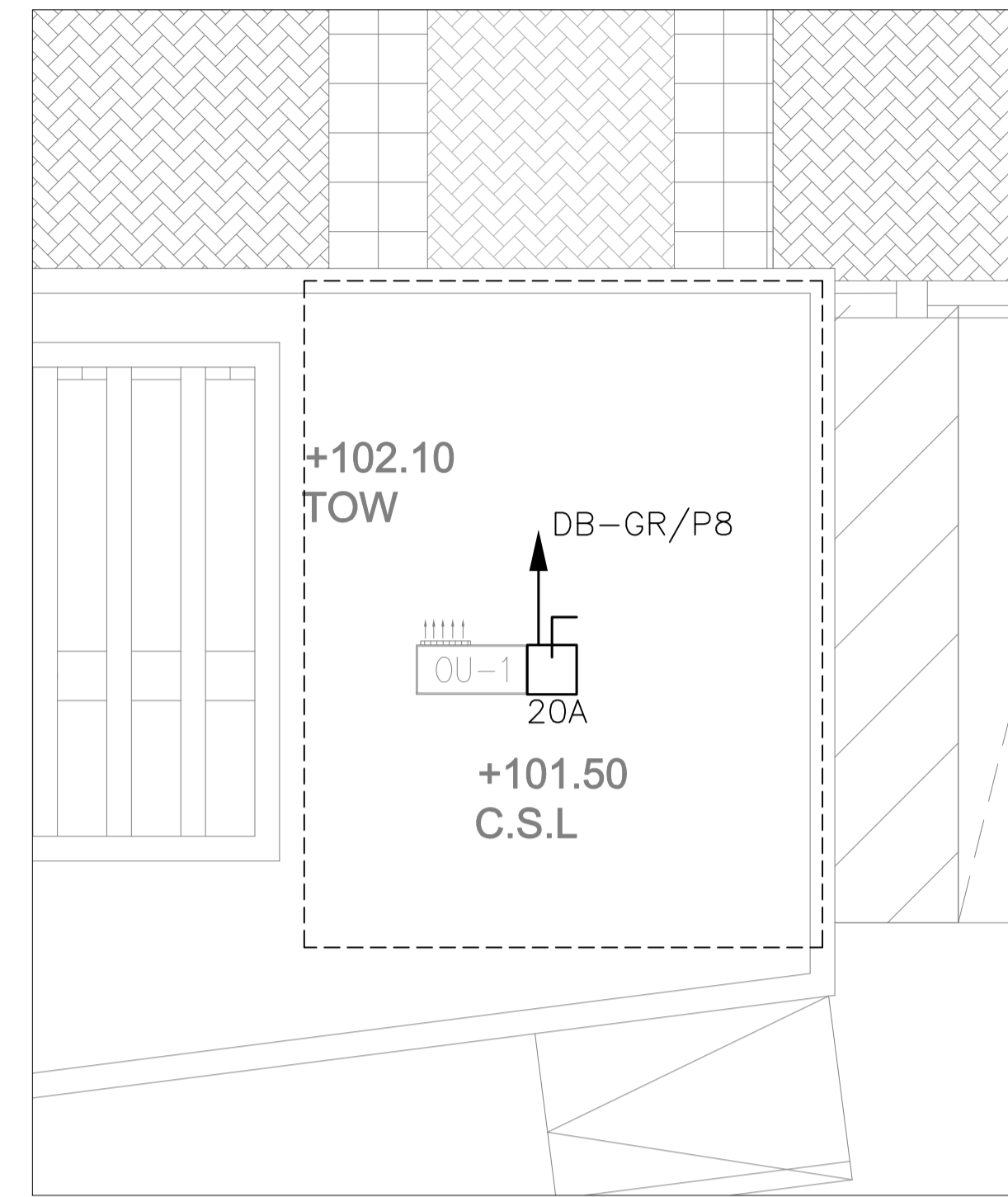
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Design:	M.A.	Drawn:	CAD
SCALE:	N.T.S.	Date:	June 2019
DRAWING NUMBER:		SKPE 18-EG002	
PLOT No:	1496	LOCATION:	Marka
BASIN NO:	1 Hanao Al Kassar	Checked:	KH.A.
Approved:	W.Z.Z.	Rev.:	0



1 GUARD HOUSE LIGHTING SYSTEM LAYOUT



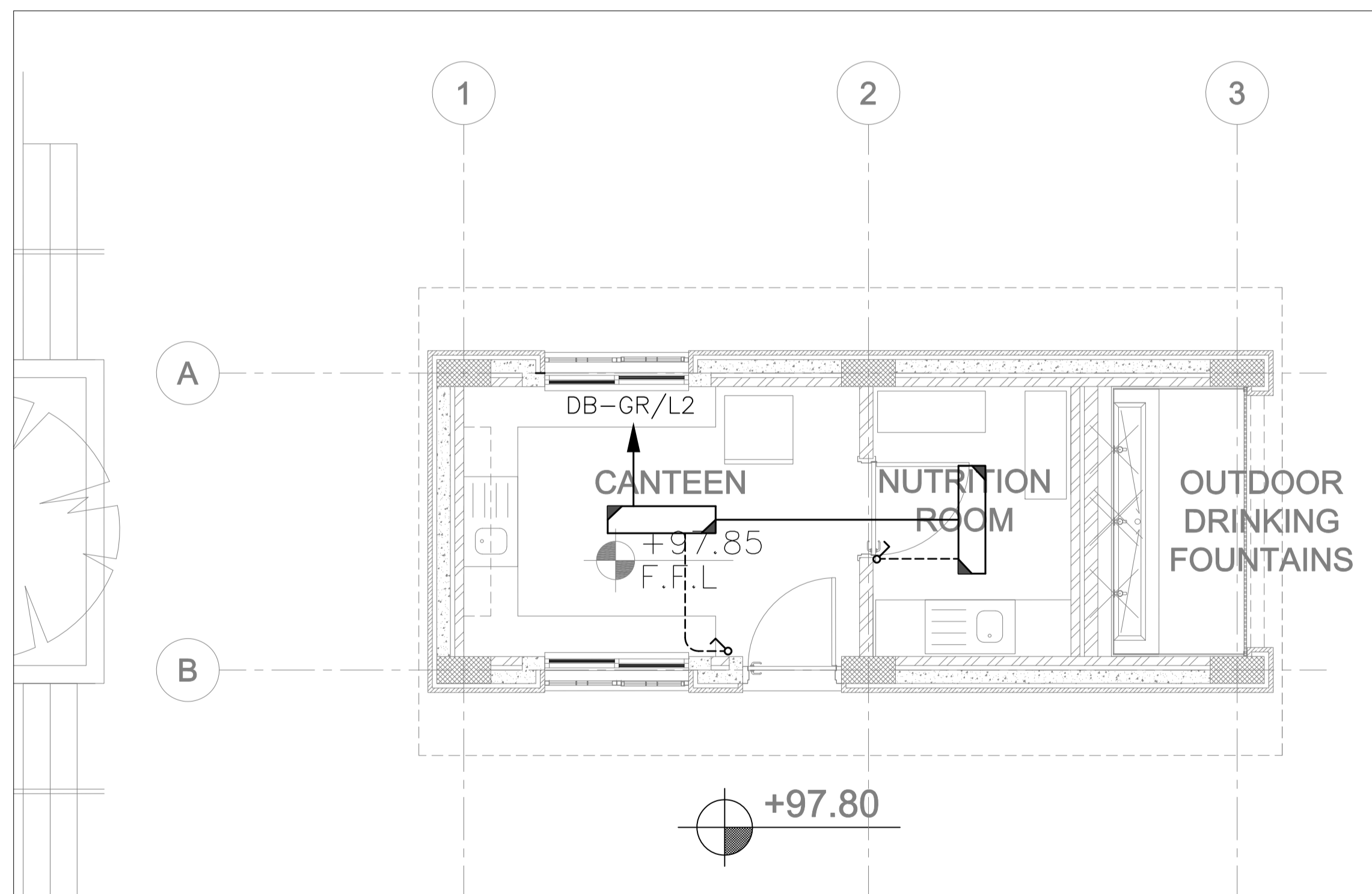
2 GUARD HOUSE POWER SYSTEM LAYOUT



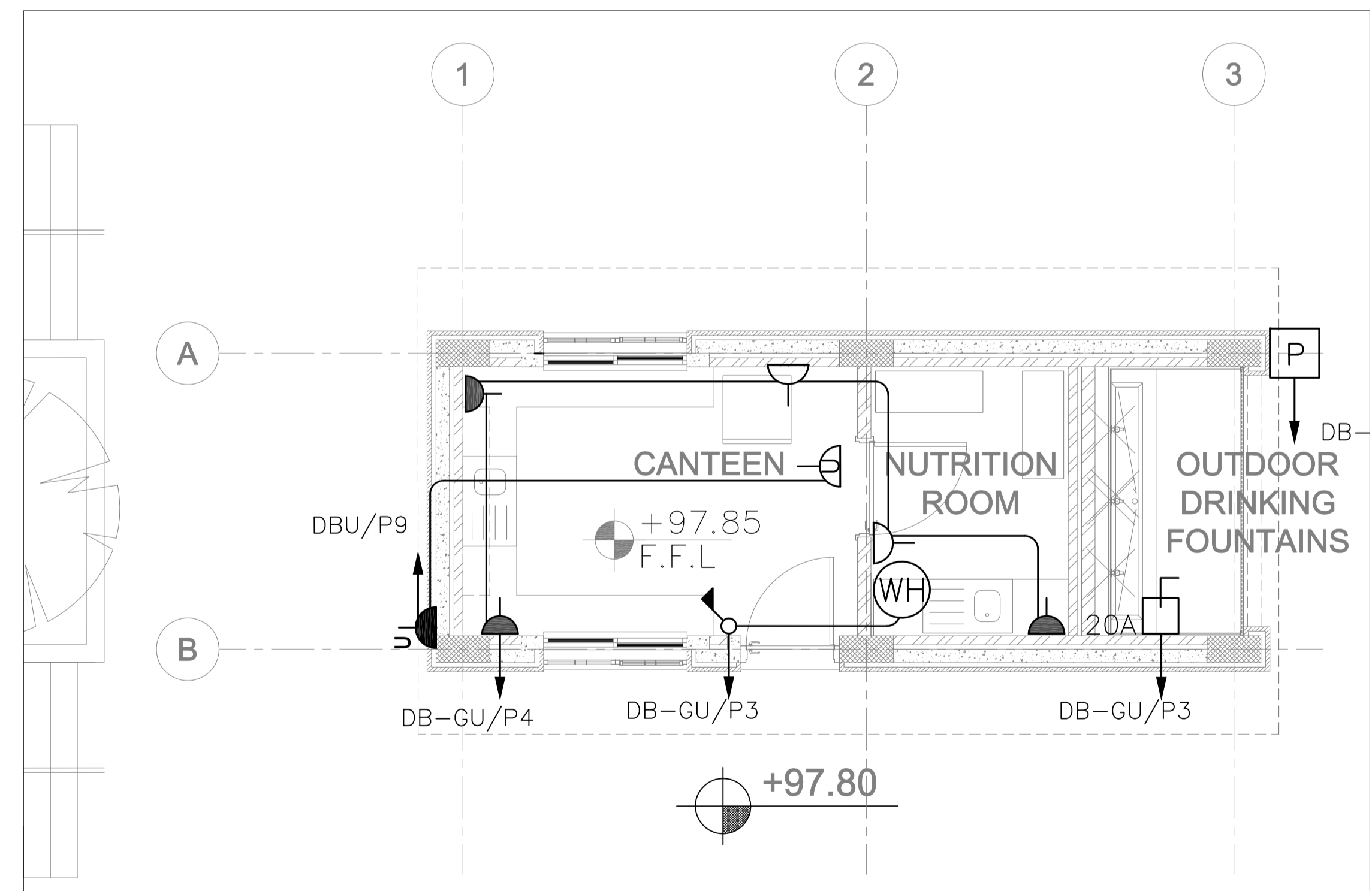
3 GUARD HOUSE ROOF POWER SYSTEM LAYOUT

CIRCUIT NO.		Description	LOAD (W)	C.B. NO.	AMP TRIP	SIZE OF WIRE (mm ²)	SIZE OF CONDUIT (mm)
L1		LIGHTING	210	1	10	3X2.5	20
L2		LIGHTING	180	2	10	3X2.5	20
P1		SOCKET OUTLETS	800	3	10	3X2.5	20
P2		E.W.H	1200	4	10	3X2.5	20
P3		E.W.H	1200	5	10	3X2.5	20
P4		SOCKET OUTLETS	1000	6	10	3X2.5	20
P5		SU-1	2400	7	10	3X2.5	20
P6		SOCKET OUTLETS	200	8	10	3X2.5	20
P7		ROLLER SHUTTER	2000	9	10	3X2.5	20
P8		SPARE		10	10		
CONNECTED LOAD (W)						9190	
TOTAL CONNECTED LOAD(KW)						9.19	
DEMAND FACTOR						0.8	
TOTAL DEMAND LOAD(KW)						7.35	
DESIGN CURRENT						37.6	
BREAKER SIZE						32A MCCB	
CABLE SIZE						(3X10)mm ² CU/XLPE/PVC	
FED FROM						MDB	
Type						FLUSH MOUNTED	
PANEL LOCATION						GUARD ROOM	

4 DB-GR DISTRIBUTION BOARD SCHEDULE



4 CANTEEN LIGHTING SYSTEM LAYOUT



5 CANTEEN POWER SYSTEM LAYOUT

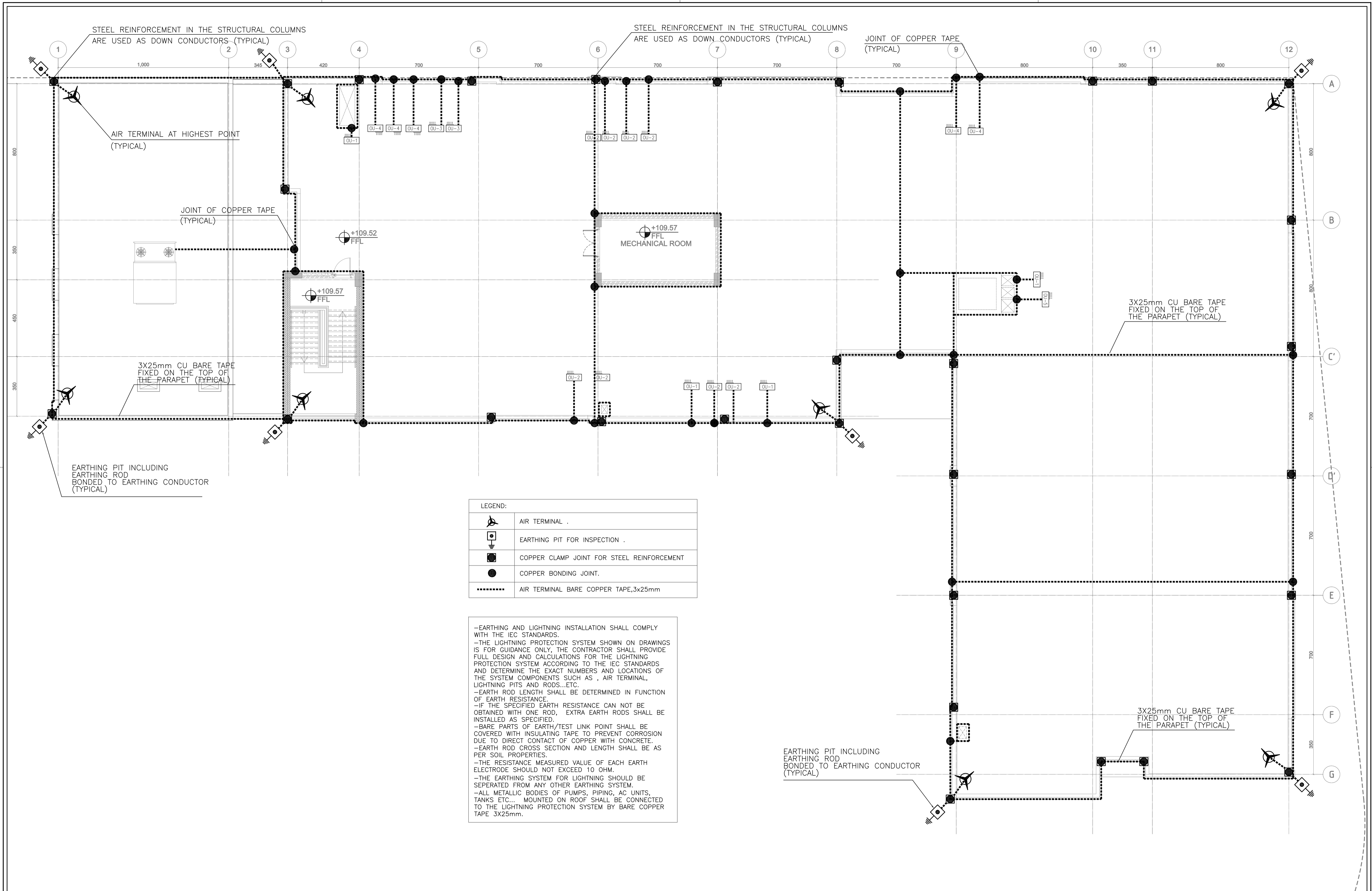
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NOTES:



PHASE III
 PACKAGE 2
 Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
 SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME: GUARD HOUSE AND CANTEEN ELECTRICAL LAYOUT	Design: M.A.	Drawn: CAD	Checked: KH.A.	North:
SCALE: 1:50	Date: June 2019	Approved: W.Z.	DRAWING NUMBER: SKEP 18-EG003	Rev.: 0
PLOT No: 1496	LOCATION: Marka	BASIN NO: 1 Hanao Al Kassar		



LEGEND:

	AIR TERMINAL .
	EARTHING PIT FOR INSPECTION .
	COPPER CLAMP JOINT FOR STEEL REINFORCEMENT
	COPPER BONDING JOINT.
	AIR TERMINAL BARE COPPER TAPE, 3x25mm

NOTES:

- EARTHING AND LIGHTNING INSTALLATION SHALL COMPLY WITH THE IEC STANDARDS.
- THE LIGHTNING PROTECTION SYSTEM SHOWN ON DRAWINGS IS FOR GUIDANCE ONLY, THE CONTRACTOR SHALL PROVIDE FULL DESIGN AND CALCULATIONS FOR THE LIGHTNING PROTECTION SYSTEM ACCORDING TO THE IEC STANDARDS AND DETERMINE THE EXACT NUMBERS AND LOCATIONS OF THE SYSTEM COMPONENTS SUCH AS , AIR TERMINAL, LIGHTNING PITS AND RODS...ETC.
- EARTH ROD LENGTH SHALL BE DETERMINED IN FUNCTION OF EARTH RESISTANCE.
- IF THE SPECIFIED EARTH RESISTANCE CAN NOT BE OBTAINED WITH ONE ROD, EXTRA EARTH RODS SHALL BE INSTALLED AS SPECIFIED.
- BARE PARTS OF EARTH/TEST LINK POINT SHALL BE COVERED WITH INSULATING TAPE TO PREVENT CORROSION DUE TO DIRECT CONTACT OF COPPER WITH CONCRETE.
- EARTH ROD CROSS SECTION AND LENGTH SHALL BE AS PER SOIL PROPERTIES.
- THE RESISTANCE MEASURED VALUE OF EACH EARTH ELECTRODE SHOULD NOT EXCEED 10 OHM.
- THE EARTHING SYSTEM FOR LIGHTNING SHOULD BE SEPERATED FROM ANY OTHER EARTHING SYSTEM.
- ALL METALLIC BODIES OF PUMPS, PIPING, AC UNITS, TANKS ETC... MOUNTED ON ROOF SHALL BE CONNECTED TO THE LIGHTNING PROTECTION SYSTEM BY BARE COPPER TAPE 3X25mm.

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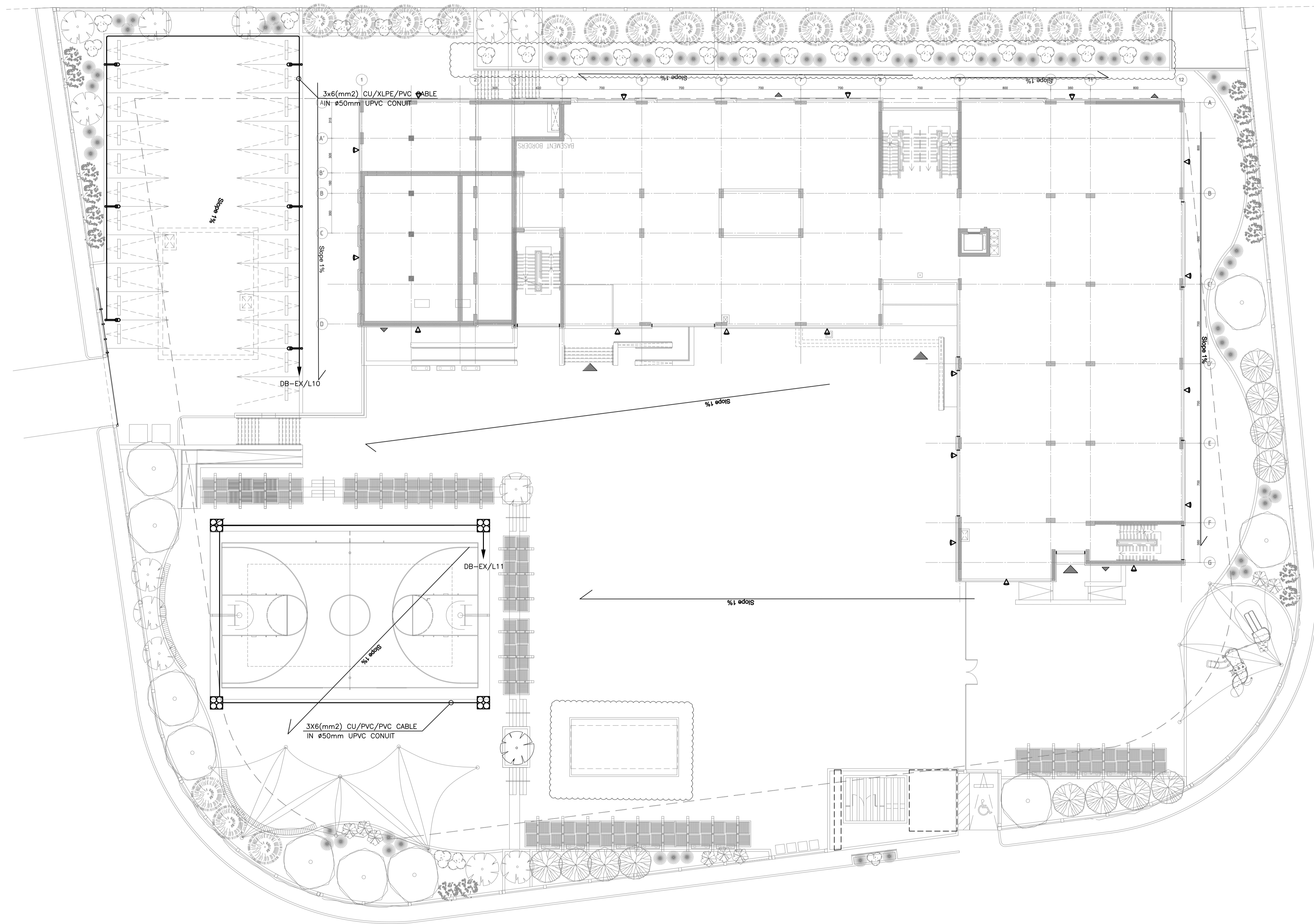
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PHASE III	Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
PACKAGE 2	SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:		
LIGHTNING PLAN		
DESIGN:	M.A.	DATE:
DRAWN:	CAD	DATE:
CHECKED:	KH.A.	DATE:
APPROVED:	W.Z.	DATE:
SCALE:	1:100	
PLOT No	LOCATION	BASIN NO
1496	Marka	1 Hanao Al Kassar

DESIGN:	M.A.	DATE:	June 2019
DRAWN:	CAD	DATE:	June 2019
CHECKED:	KH.A.	DATE:	June 2019
APPROVED:	W.Z.	DATE:	June 2019
DRAWING NUMBER:	SKEP 18-EG004		
Rev.:	0		



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NOTES:



PHASE III
PACKAGE 2

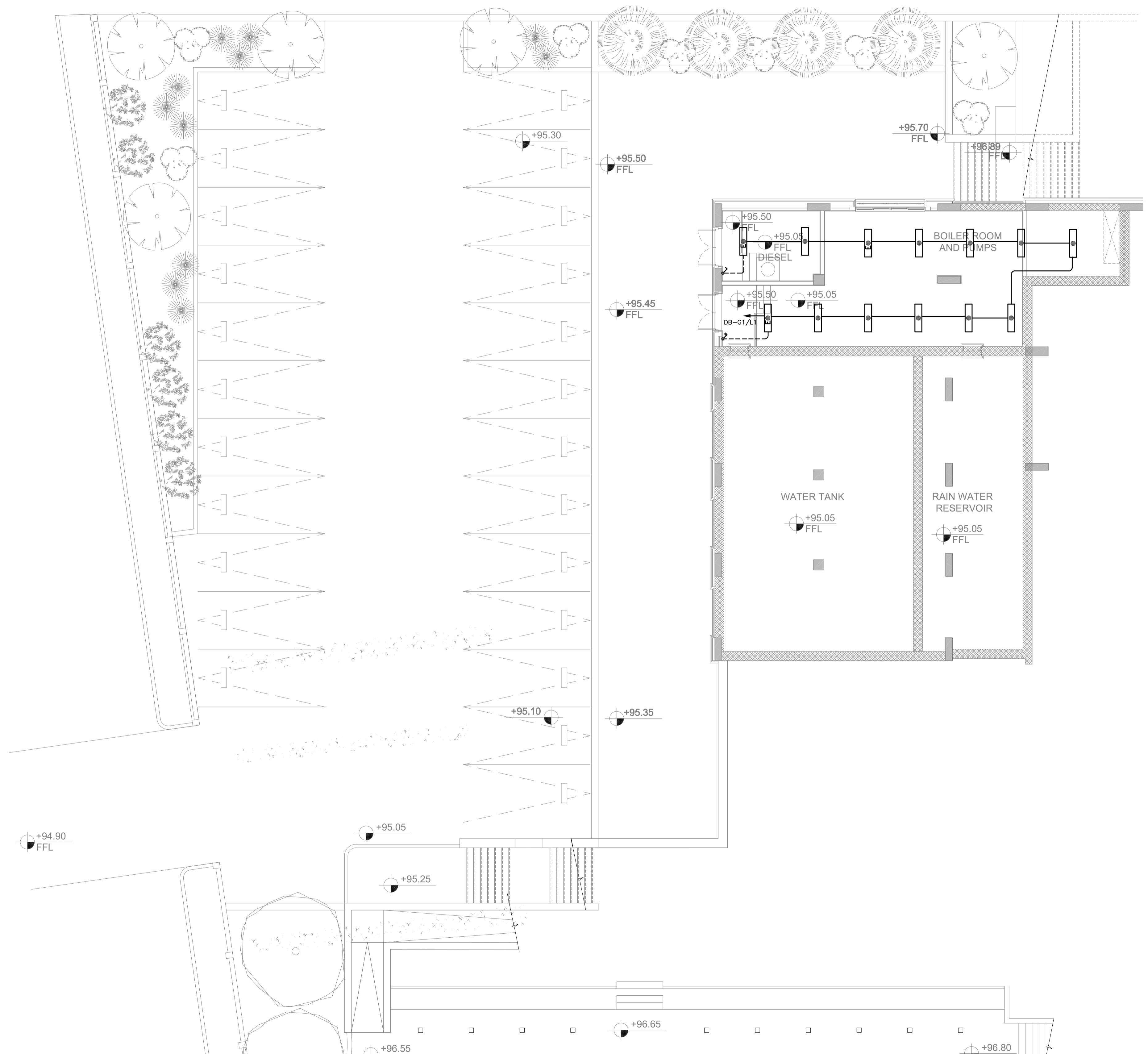
Jumana Bint Abi Taleb Basic Mixed School
(Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY
PROJECT (USAID SKEP)

DRAWING NAME:
SITE LIGHTING PLAN

Design: M.A. Drawn: CAD Checked: K.A.H. North:
SCALE: 1:200 Date: June 2019 Approved: W.Z.
DRAWING NUMBER: **SKEP 18-EL100**

PLOT No: 1496 LOCATION: Marka BASIN NO: 1 Hanao Al Kassar

Rev.: 0



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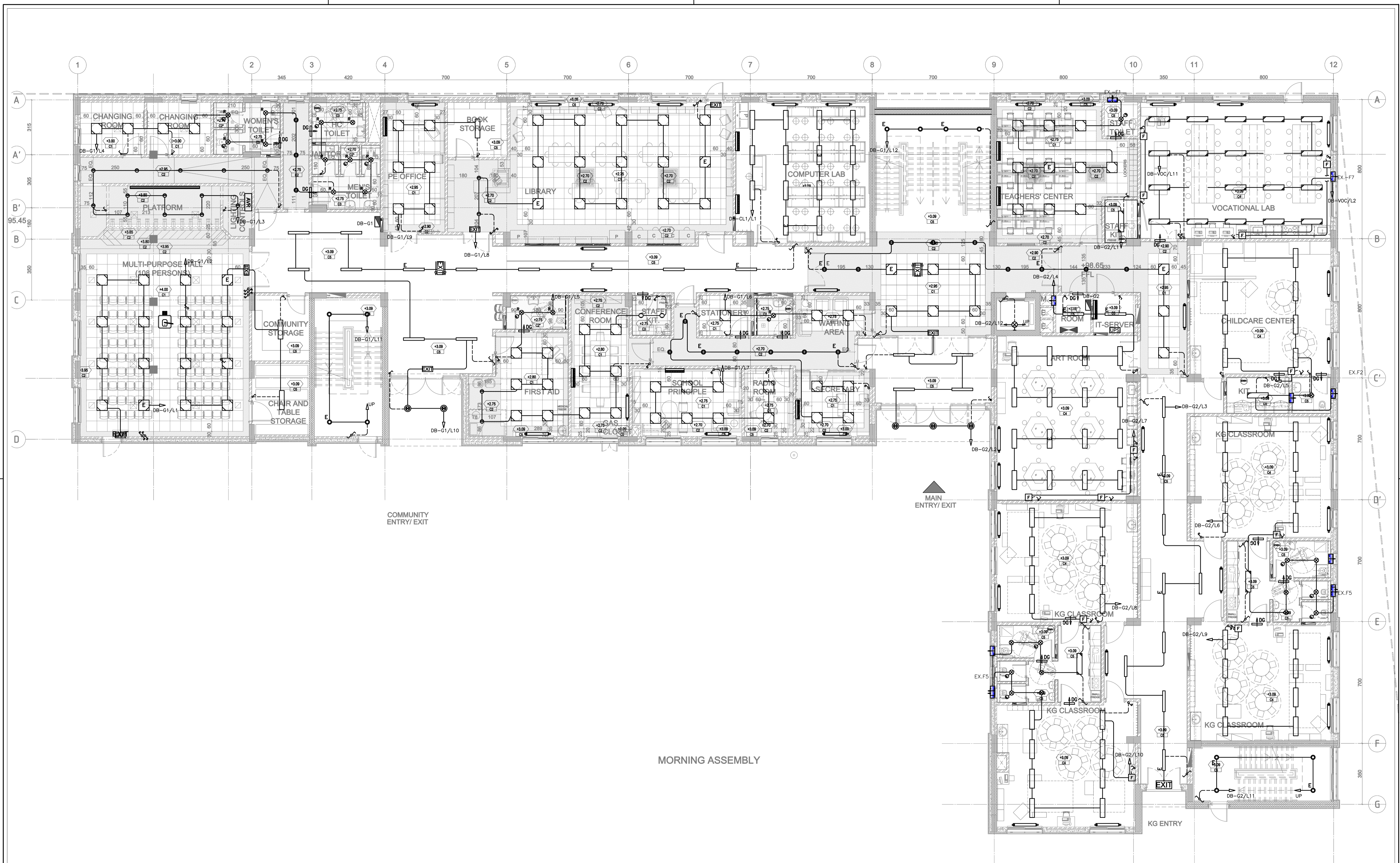


PHASE III
 PACKAGE 2
 Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
 SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
BASEMENT FLOOR LIGHTING PLAN

PLOT No: 1496
 LOCATION: Marka
 BASIN NO: 1 Hanao Al Kassar

Design: M.A.	Drawn: CAD	Checked: K.AH.	North:
SCALE: 1:100	Date: June 2019	Approved: W.Z.	
DRAWING NUMBER: SKEP 18-EL101			Rev.: 0



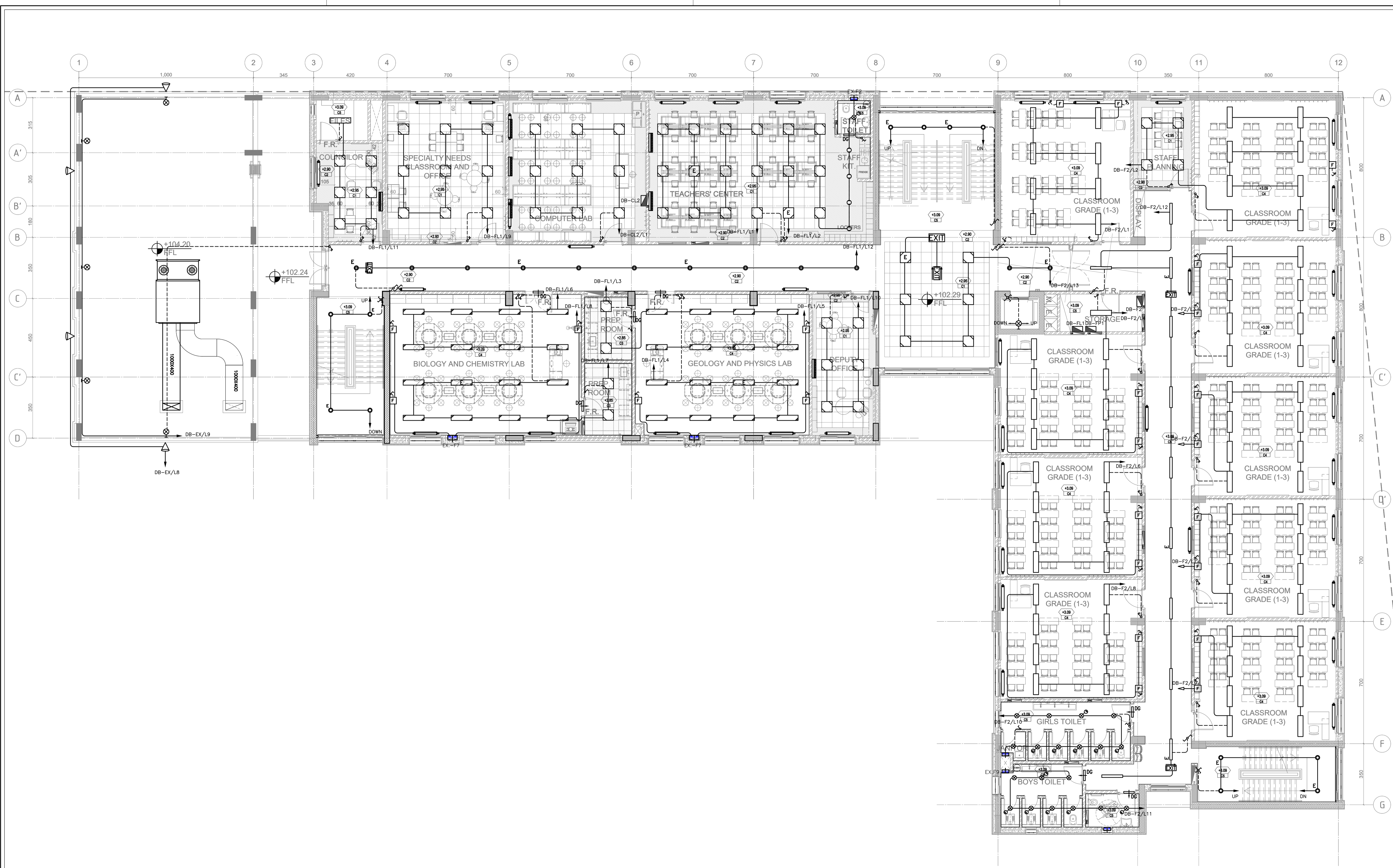
REV.	DATE	REMARKS
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PHASE III	Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
PACKAGE 2	SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME: GROUND FLOOR LIGHTING PLAN		Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100		Date: June 2019	Approved: W.Z.	DRAWING NUMBER: SKPE 18-EL102	
PLOT No: 1496	LOCATION: Marka	BASIN NO: 1 Hanao Al Kassar	Rev.: 0		



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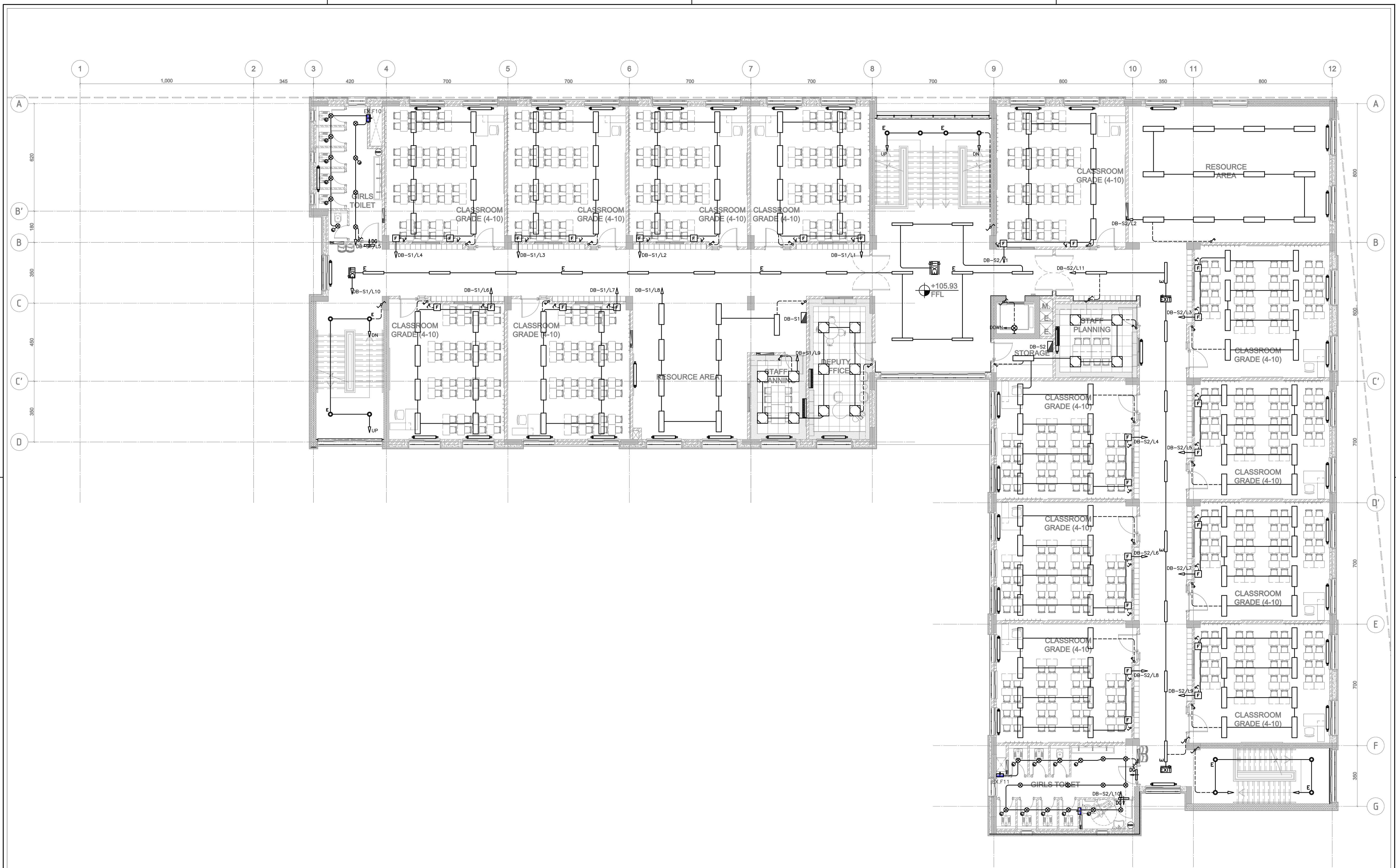
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PHASE III
PACKAGE 2
Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
FIRST FLOOR LIGHTING PLAN
PLOT No 1496
LOCATION Marka
BASIN NO 1 Hanao Al Kassar

Design: M.A.
SCALE: 1:100
DRAWING NUMBER: SKEP 18-EL103
Drawn: CAD
Date: June 2019
Checked: K.A.H.
Approved: W.Z.
North:



REV.	DATE	REMARKS
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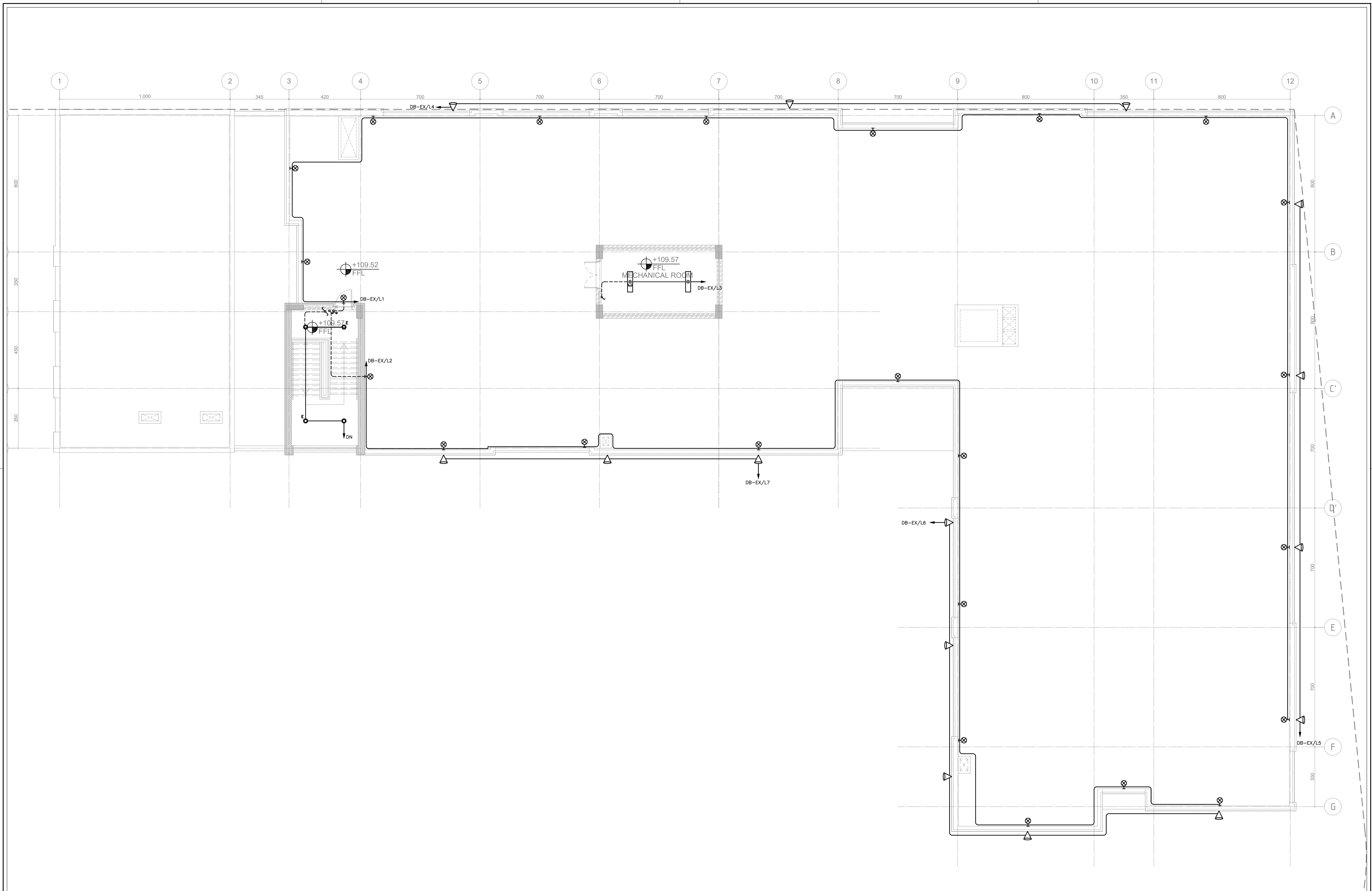
NOTES:



PHASE III
 PACKAGE 2
 Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
 SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
SECOND FLOOR LIGHTING PLAN
 Design: M.A.
 Scale: 1:100
 Date: June 2019
 Drawing Number: SKEP 18-EL104

Checked: K.A.H.
 Approved: W.Z.
 Rev.: 0



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0	June 2019	VOL. IV - TENDER DRAWINGS

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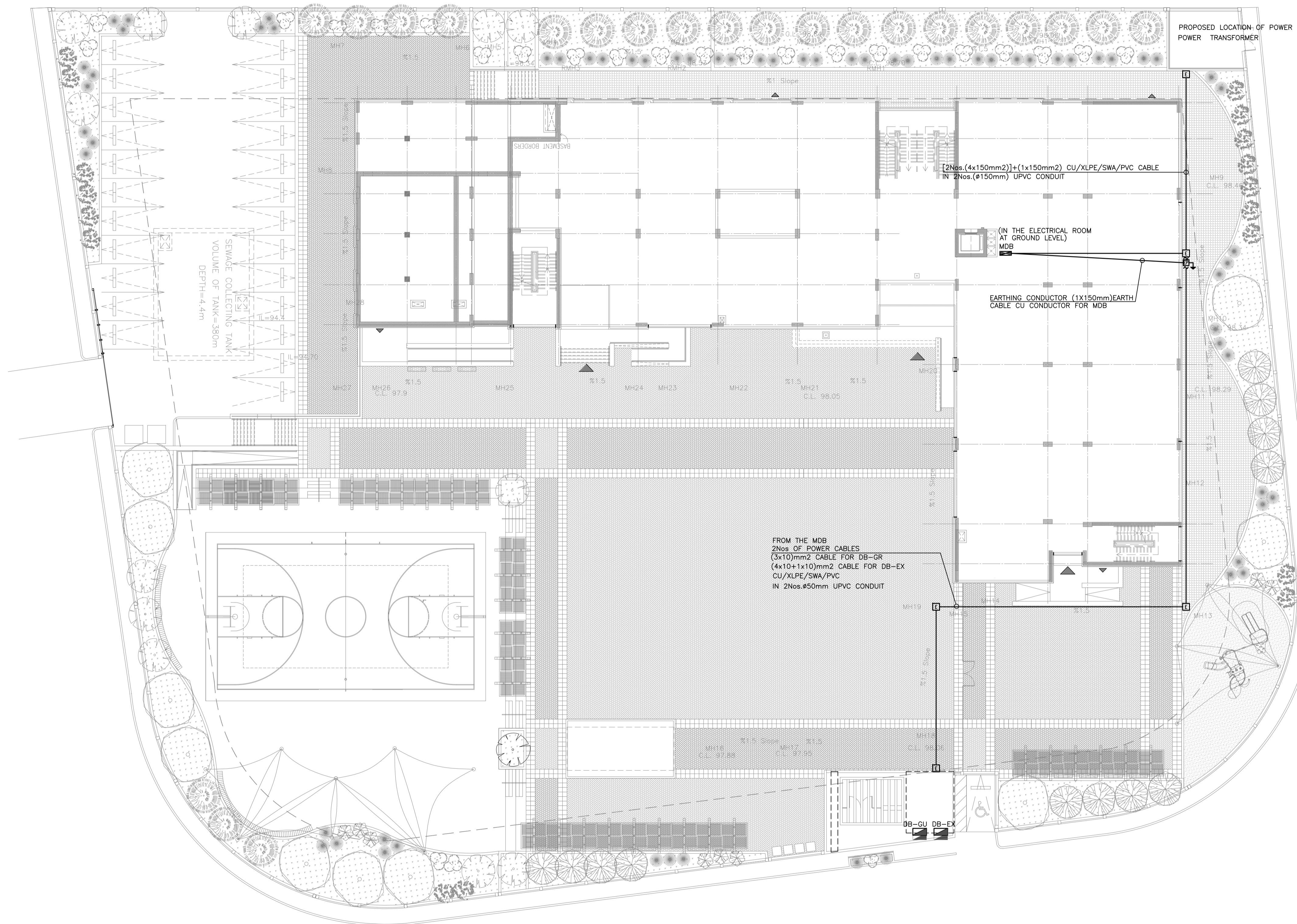
PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School
(Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY
PROJECT (USAID SKEP)

DRAWING NAME:
**ROOF PLAN
LIGHTING PLAN**

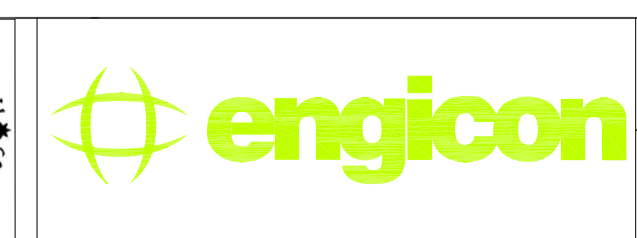
PLOT No: 1496
LOCATION: Marka
BASIN NO: 1 Hanao Al Kassar

Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100	Date: June 2019	Approved: W.Z.	Rev.: 0
DRAWING NUMBER: SKEP 18-EL105			



REV.	DATE	REMARKS
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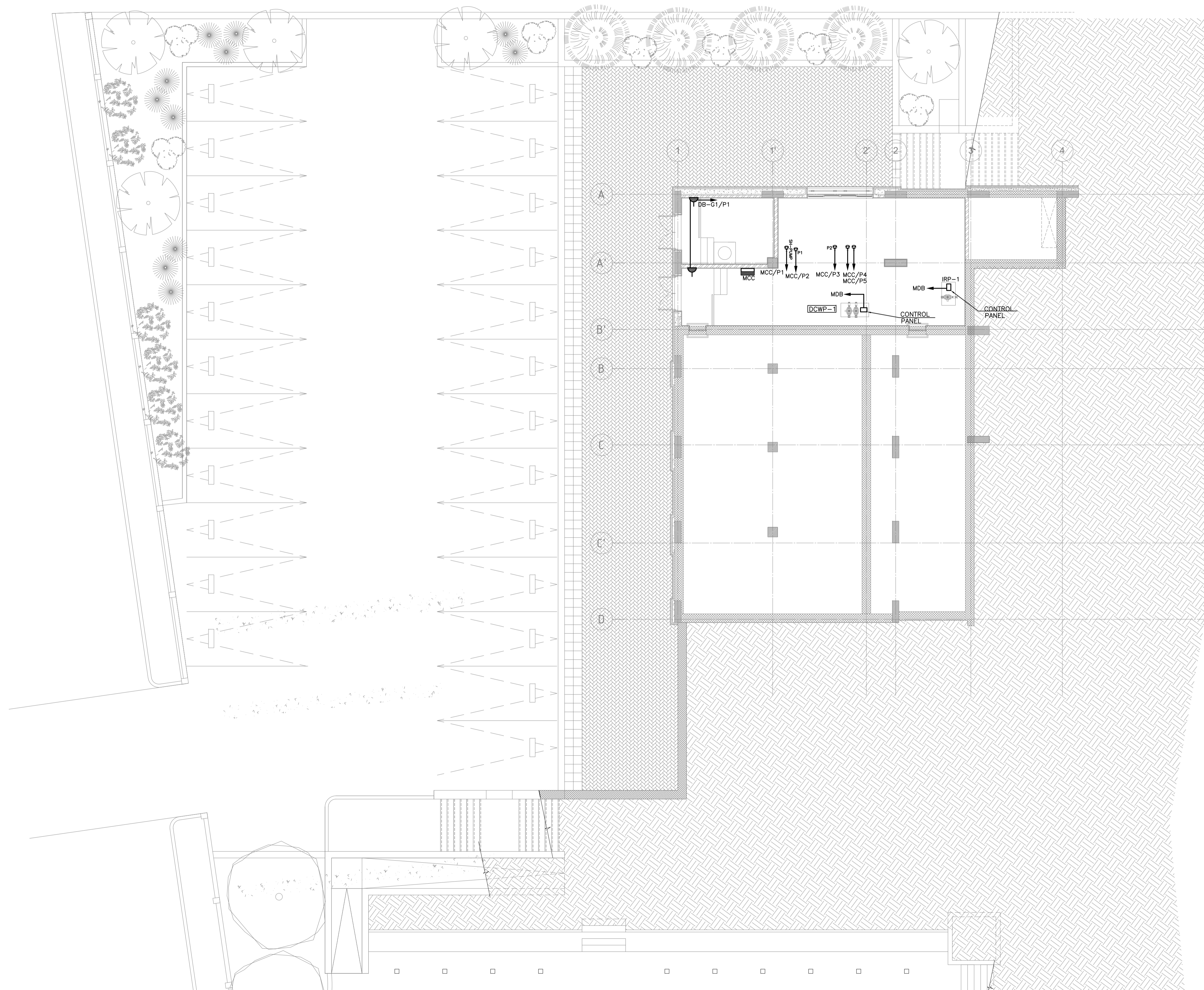
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PHASE III
 PACKAGE 2
 Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
 SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
SITE POWER PLAN
 Design: M.A.
 Drawn: CAD
 Checked: K.A.H.
 SCALE: 1:200
 Date: June 2019
 Approved: W.Z.
 PLOT No: 1496
 LOCATION: Marka
 BASIN NO: 1 Hanao Al Kassar

DRAWING NUMBER:
SKEP 18-EP100
 Rev.: 0



REV.	DATE	REMARKS
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PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School
(Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY
PROJECT (USAID SKEP)

DRAWING NAME:
**BASEMENT FLOOR
POWER SYSTEM**

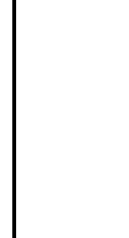
DESIGN: M.A.
SCALE: 1:100
PLOT No: 1496
LOCATION: Marka
BASIN NO: 1 Hanao Al Kassar

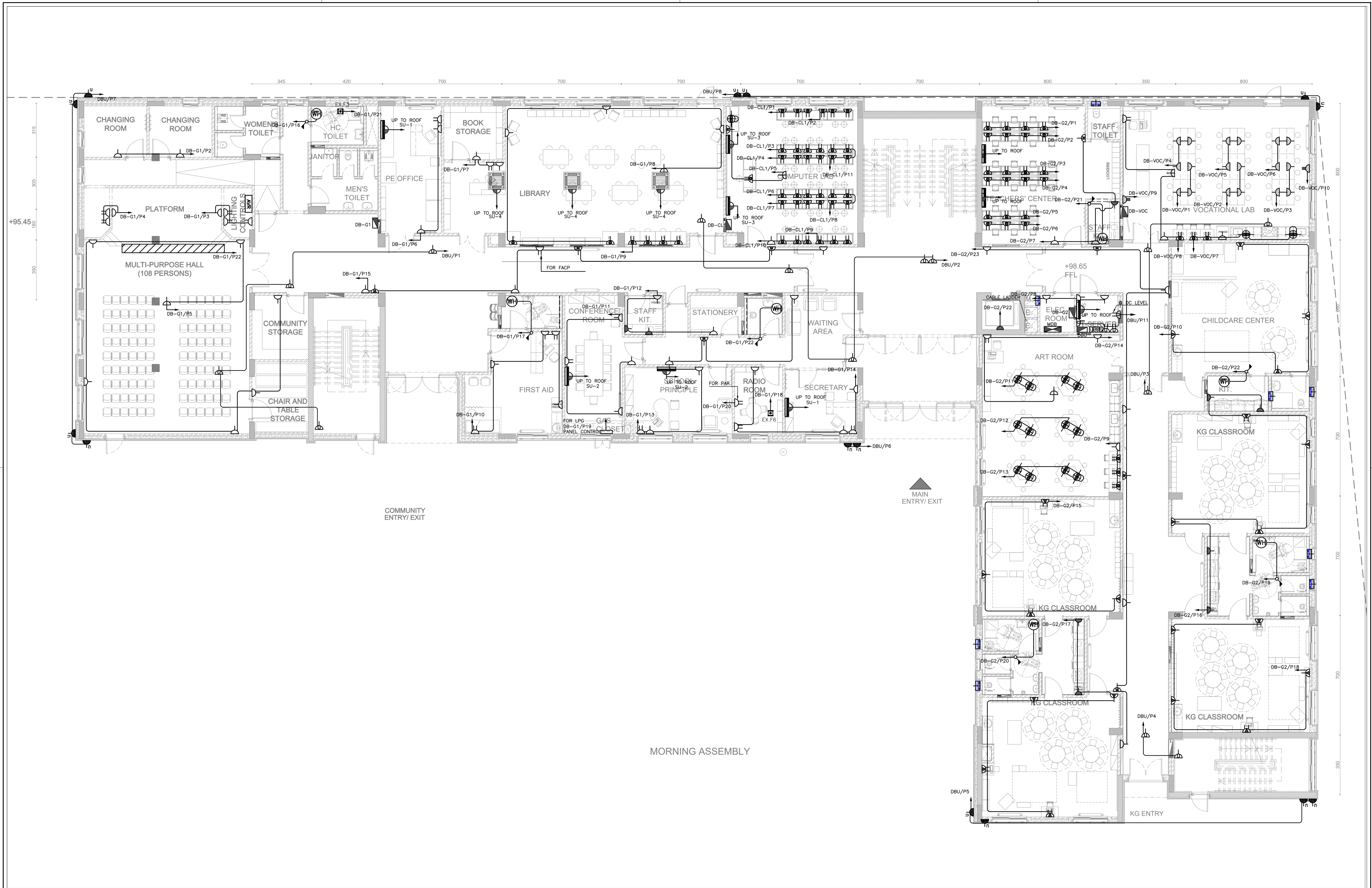
Design: M.A.
Date: June 2019
SCALE: 1:100
DRAWING NUMBER: **SKEP 18-EP101**

Drawn: CAD
Date: June 2019
Approved: W.Z.

Checked: K.A.H.
Approved: W.Z.

Rev.: 0



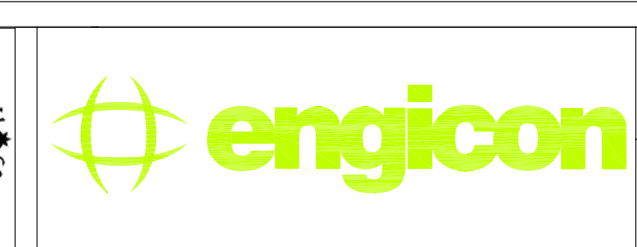


REV.	DATE	REMARKS
0	June 2019	VOL. IV - TENDER DRAWINGS

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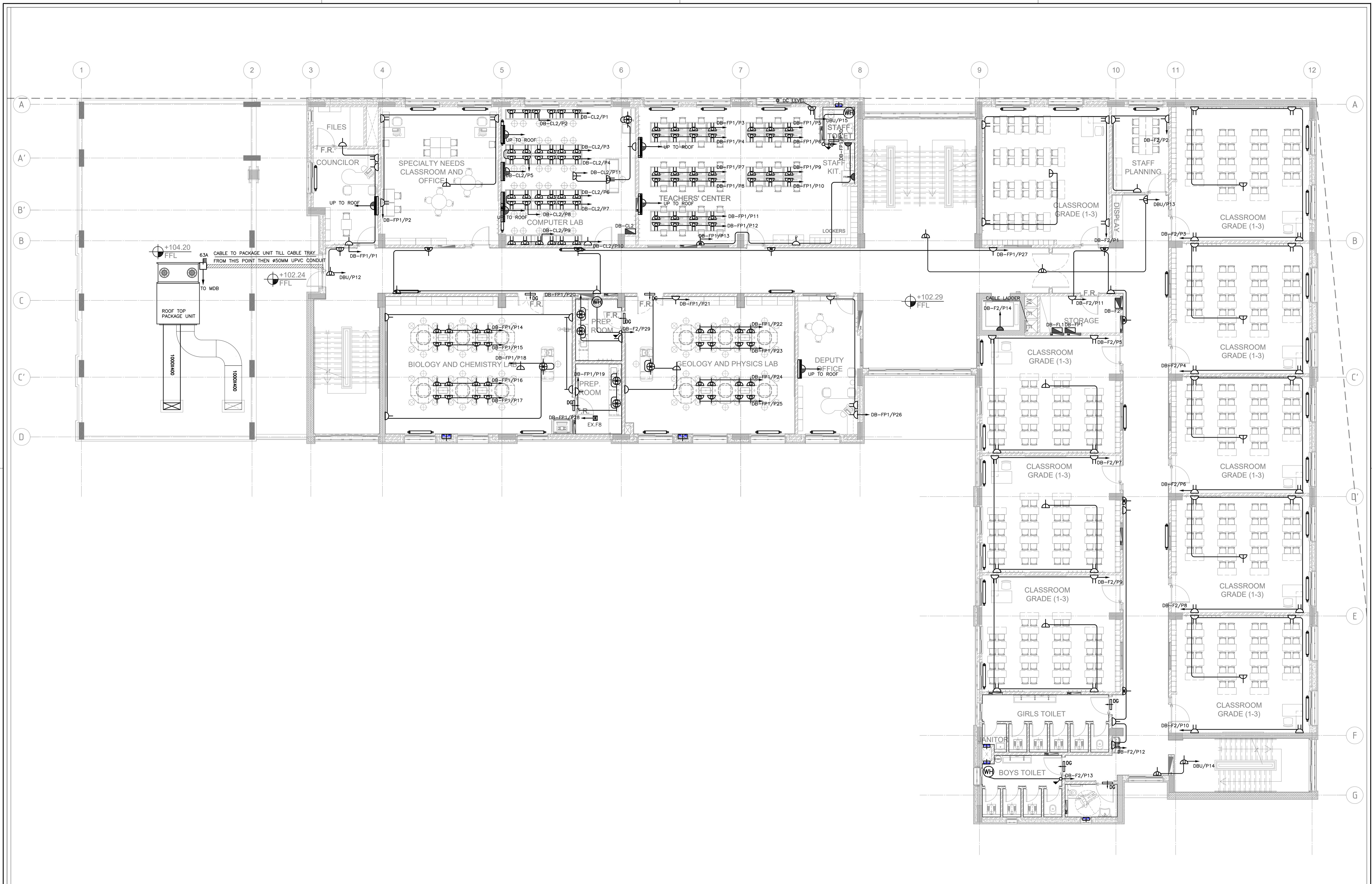
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PHASE III
PACKAGE 2
Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
GROUND FLOOR POWER SYSTEM
PLOT No 1496
LOCATION Marka
BASIN NO 1 Hanau Al Kassab

Design: M.A.
SCALE: 1:100
Date: June 2019
DRAWING NUMBER: **SKEP 18-EP102**
Checked: K.A.H.
Approved: W.Z.
Rev.: 0



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PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
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Design: M.A.
SCALE: 1:100
Date: June 2019

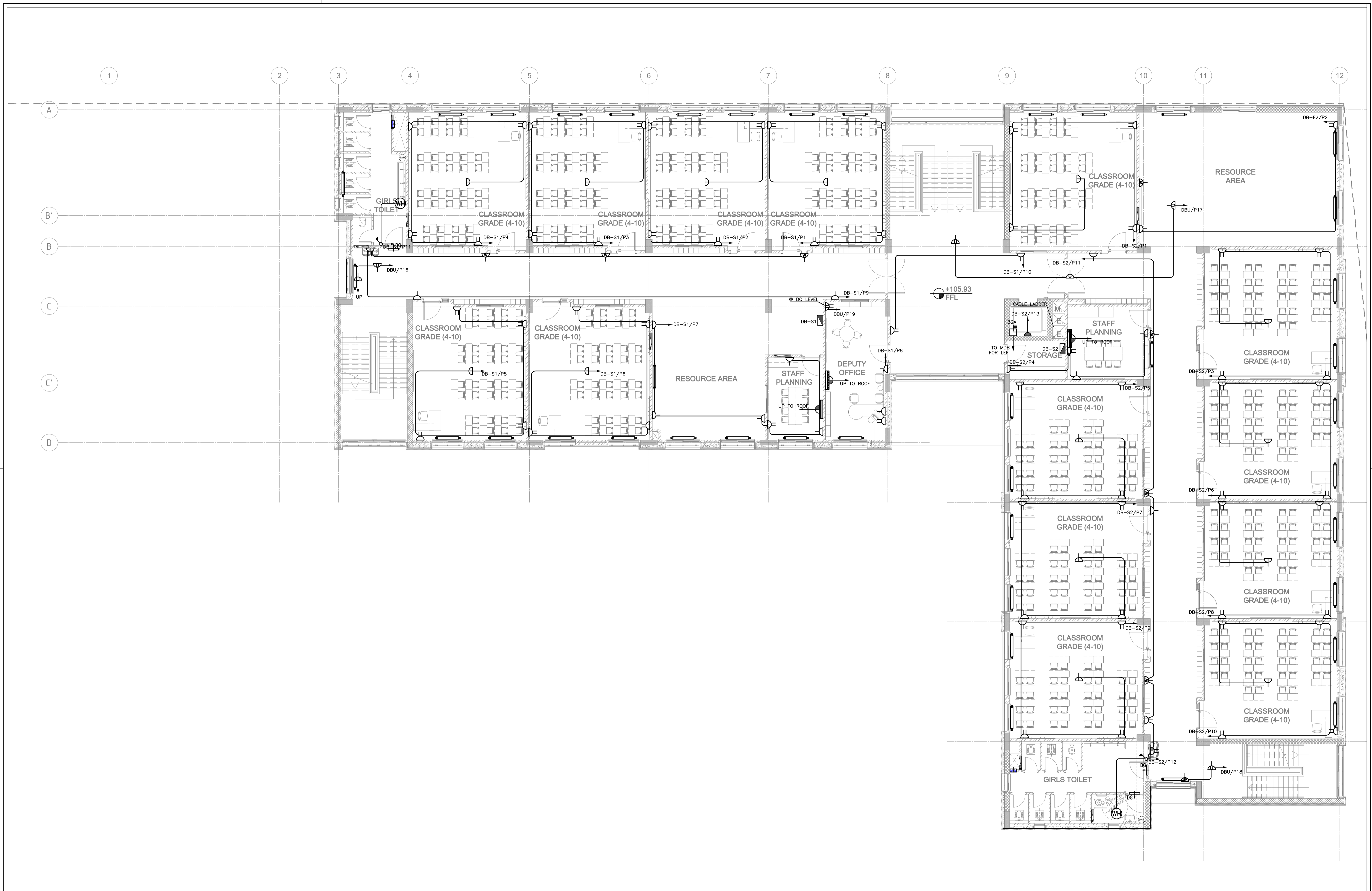
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Date: June 2019

Checked: K.A.H.
Approved: W.Z.

DRAWING NUMBER: **SKEP 18-EP103**

Rev.: 0

Plot No	Location	Basin No
1496	Marka	1 Hanao Al Kassar

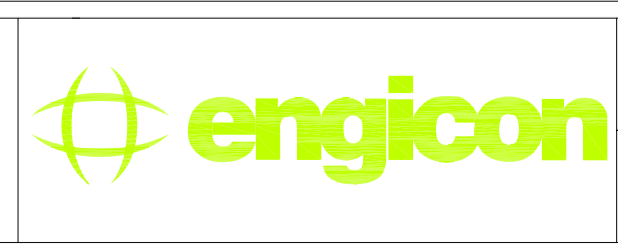


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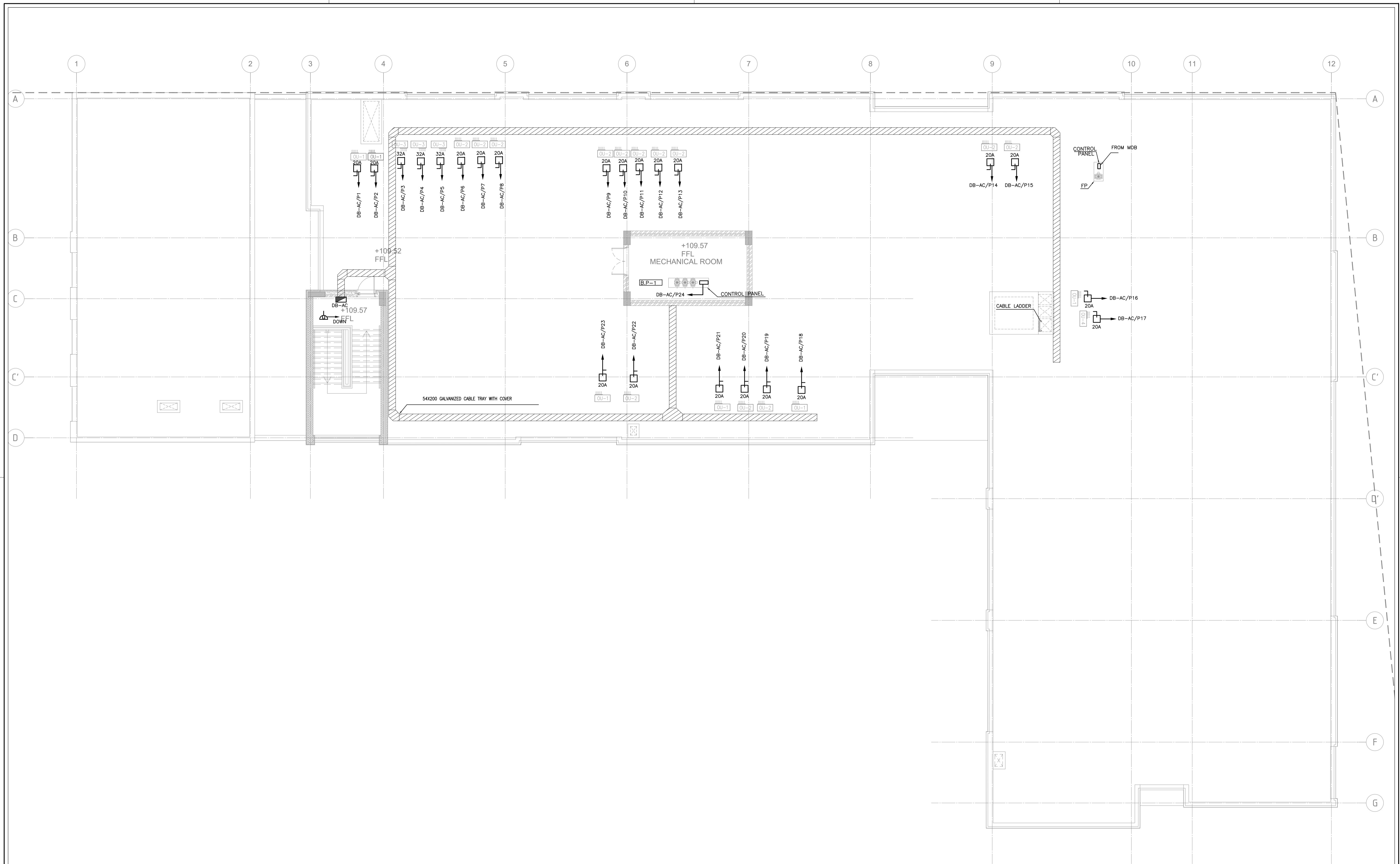
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PHASE III
PACKAGE 2
Jumana Bint Abi Taleb Basic Mixed School
(Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY
PROJECT (USAID SKEP)

DRAWING NAME:
**SECOND FLOOR
POWER SYSTEM**
PLOT No 1496
LOCATION Marka
BASIN NO 1 Hanau Al Kassab

Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100	Date: June 2019	Approved: W.Z.	
DRAWING NUMBER: SKEP 18-EP104			Rev.: 0



REV.	DATE	REMARKS
0	June 2019	VOL. IV - TENDER DRAWINGS

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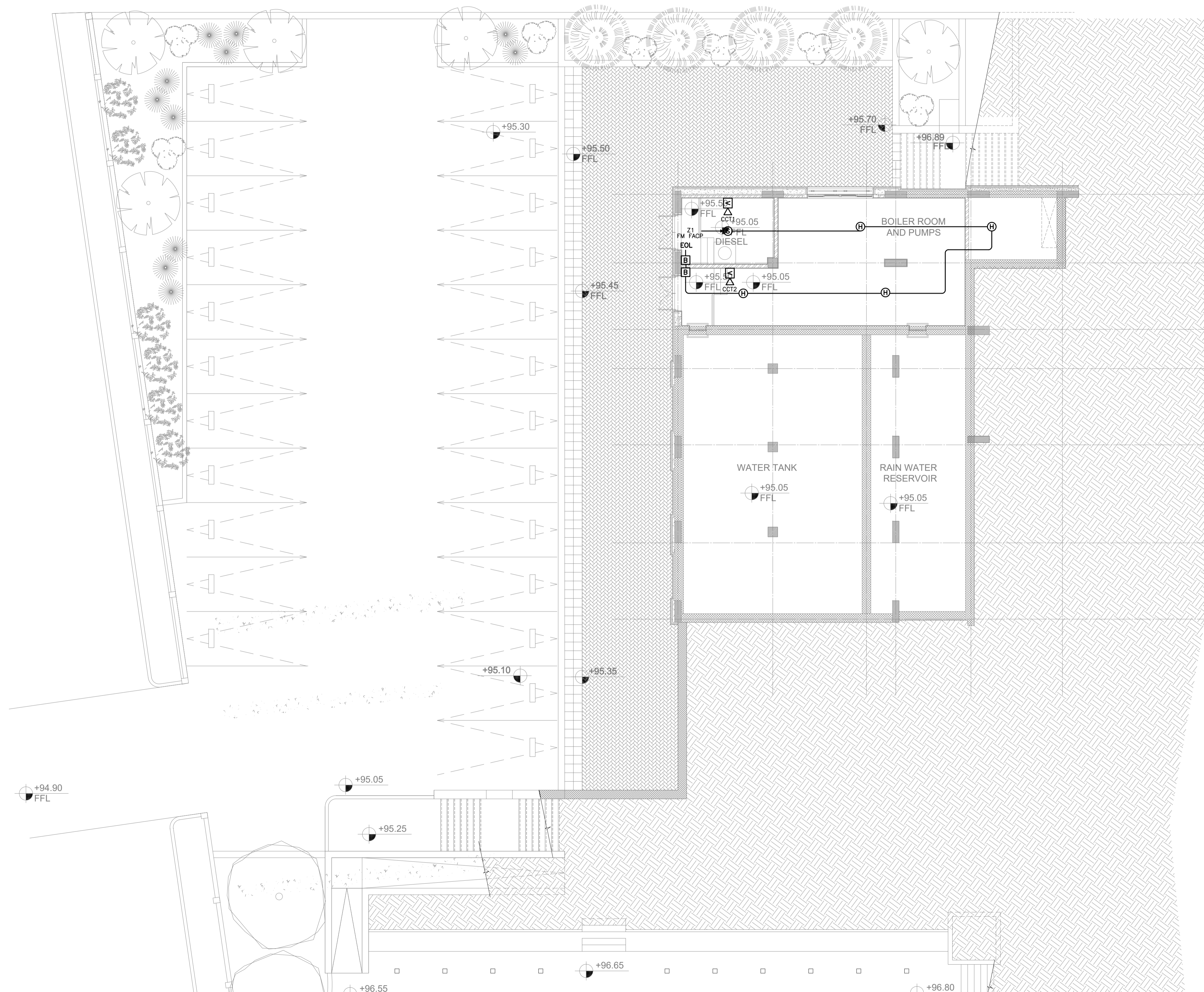
PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School
(Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY
PROJECT (USAID SKEP)

DRAWING NAME:
**ROOF PLAN
POWER PLAN**

PLOT No 1496
LOCATION Marka
BASIN NO 1 Hanao Al Kassab

Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100	Date: June 2019	Approved: W.Z.	
DRAWING NUMBER: SKEP 18-EP105			Rev.: 0



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PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School
(Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY
PROJECT (USAID SKEP)

DRAWING NAME:
**BASEMENT FLOOR
FIRE ALARM SYSTEM**

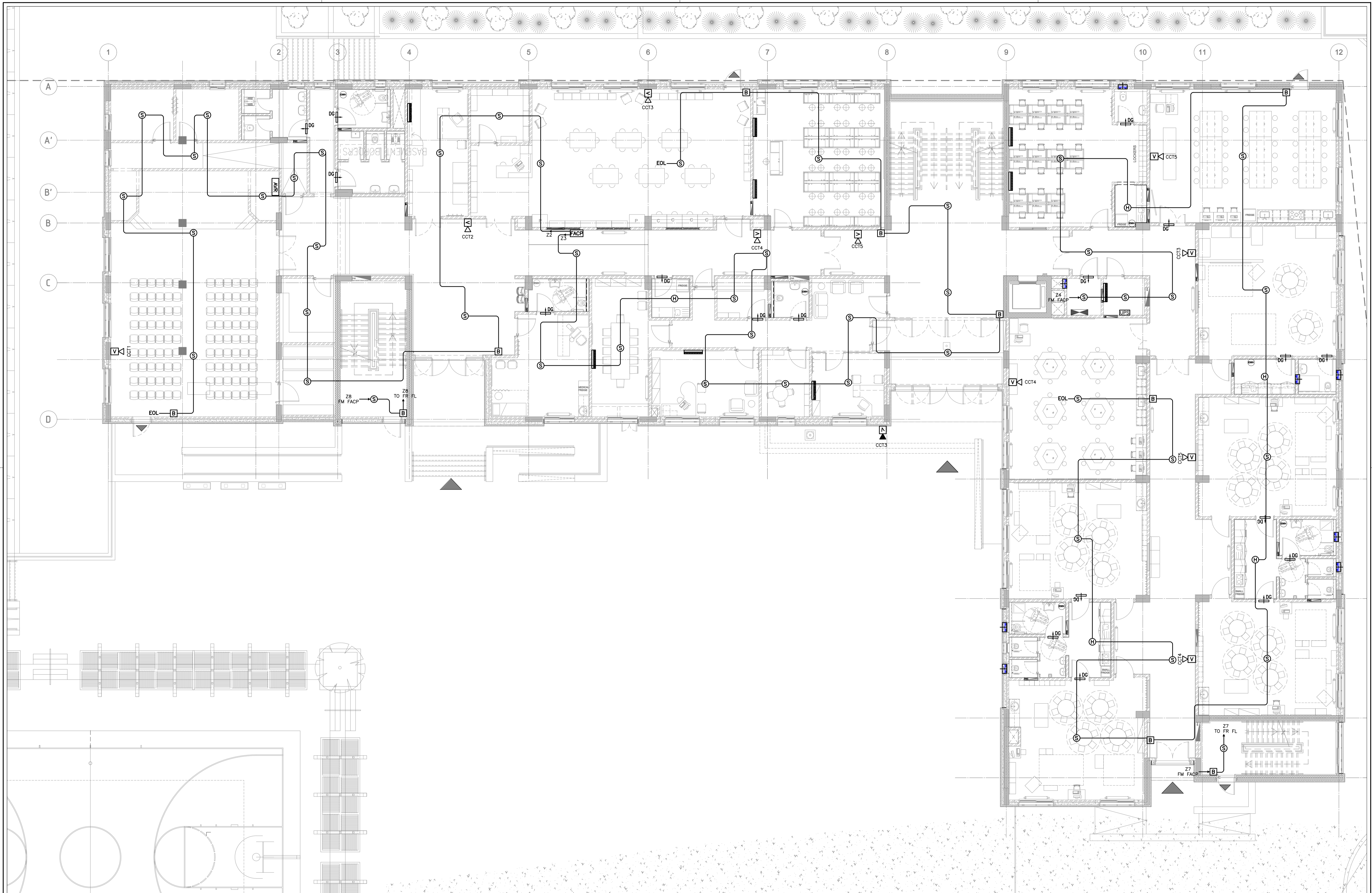
PLOT No: 1496
LOCATION: Marka
BASIN NO: 1 Hanao Al Kassar

Design: M.A.
SCALE: 1:100
Date: June 2019
DRAWING NUMBER: **SKEP 18-FA101**

Drawn: CAD
Date:
Approved: W.Z.

Rev.: 0





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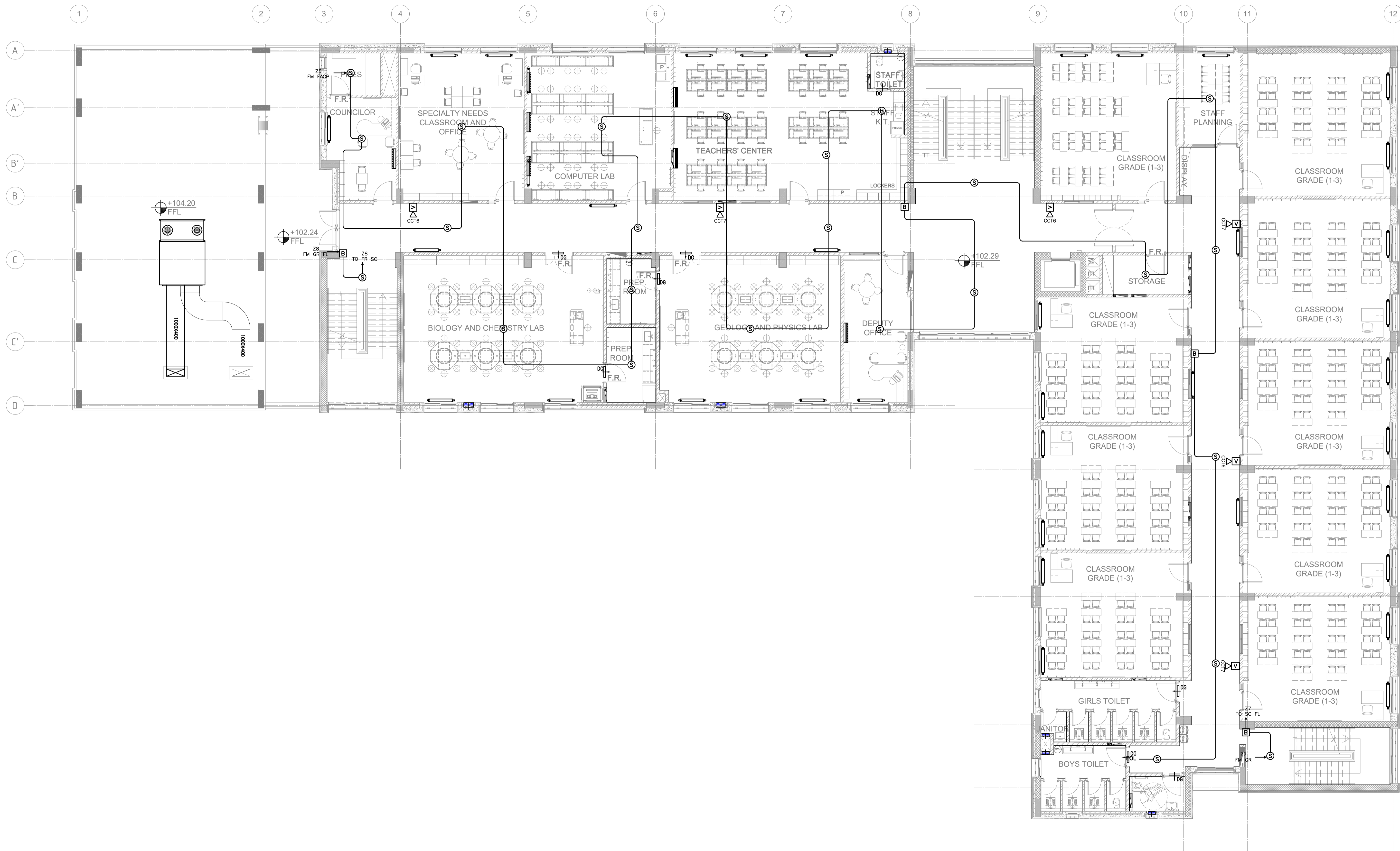


PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School
(Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY
PROJECT (USAID SKEP)

DRAWING NAME: GROUND FLOOR FIRE ALARM SYSTEM		
DESIGN: M.A.	DRAWN: CAD	CHECKED: K.A.H.
SCALE: 1:100	DATE: June 2019	APPROVED: W.Z.
PLOT No: 1496	LOCATION: Marka	BASIN NO: 1 Hanao Al Kassar
DRAWING NUMBER: SKEP 18-FA102		

Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100	DATE: June 2019	APPROVED: W.Z.	
DRAWING NUMBER: SKEP 18-FA102			Rev.: 0



REV.	DATE	REMARKS
0	June 2019	VOL. IV - TENDER DRAWINGS

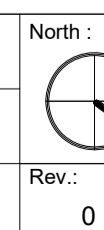
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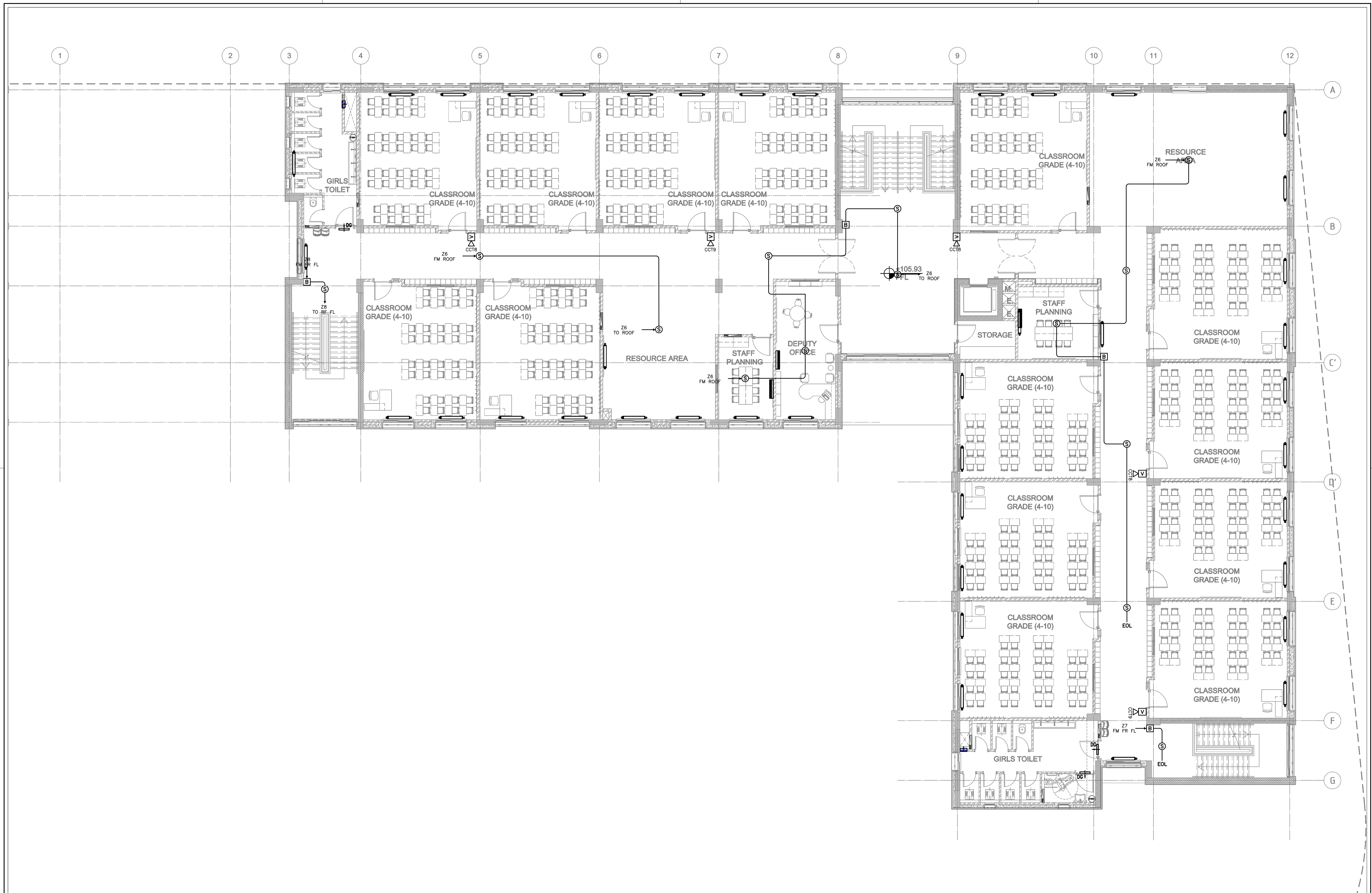


PHASE III
 PACKAGE 2
 Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
 SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
FIRST FLOOR FIRE ALARM SYSTEM
 PLOT No 1496 LOCATION Marka BASIN NO 1 Hanou Al Kassar

Design: M.A. Drawn: CAD Checked: K.A.H. Approved: W.Z.
 SCALE: 1:100 Date: June 2019
 DRAWING NUMBER: **SKEP 18-FA103**
 Rev.: 0





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PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School
(Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY
PROJECT (USAID SKEP)

DRAWING NAME:
**SECOND FLOOR
FIRE ALARM SYSTEM**

Design: M.A.
Scale: 1:100

Drawn: CAD
Date: June 2019

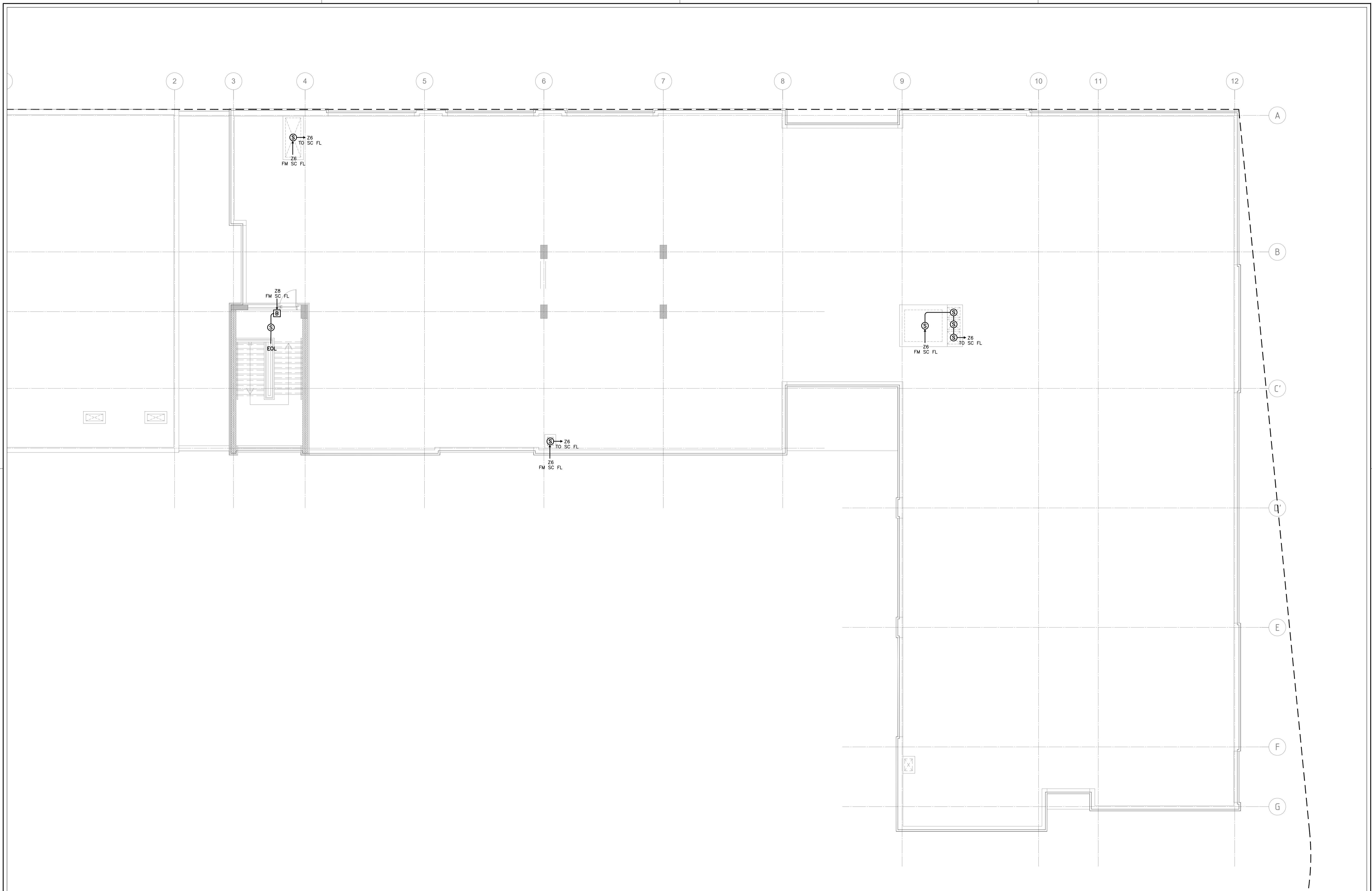
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Approved: W.Z.

Plot No: 1496
Location: Marka
Basin No: 1 Hanao Al Kassab

DRAWING NUMBER:
SKEP 18-FA104

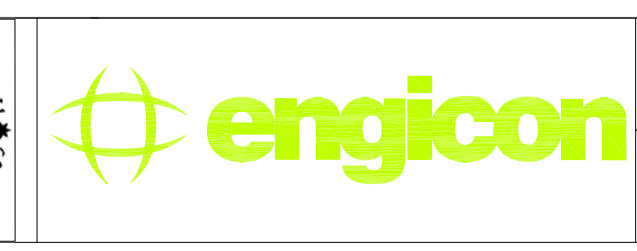
Rev.: 0

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REV.	DATE	REMARKS
0	June 2019	VOL. IV - TENDER DRAWINGS

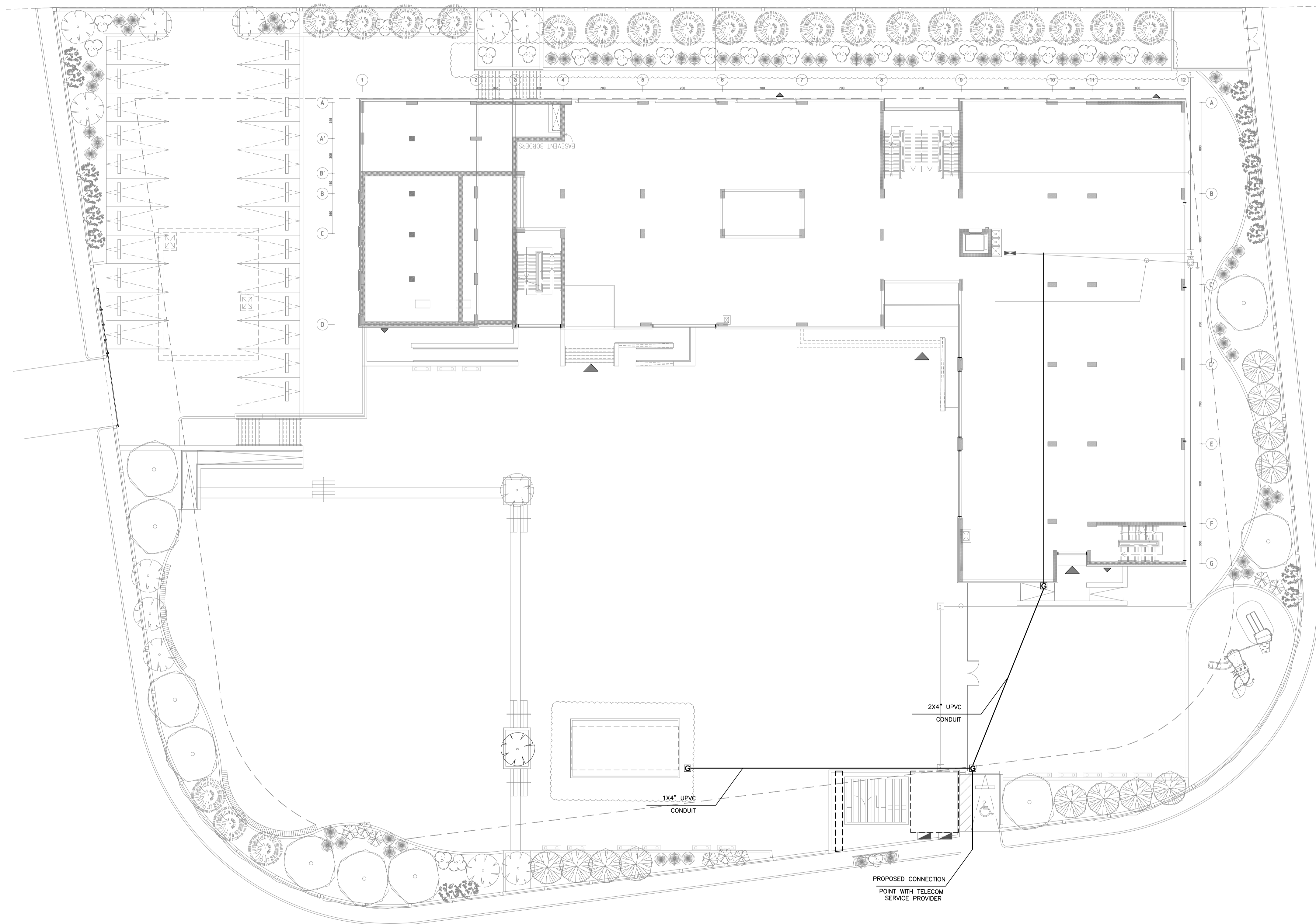
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PHASE III
 PACKAGE 2
 Jumana Bint Abi Taleb Basic Mixed School
 (Amman- Marka)
 SCHOOLS FOR A KNOWLEDGE ECONOMY
 PROJECT (USAID SKEP)

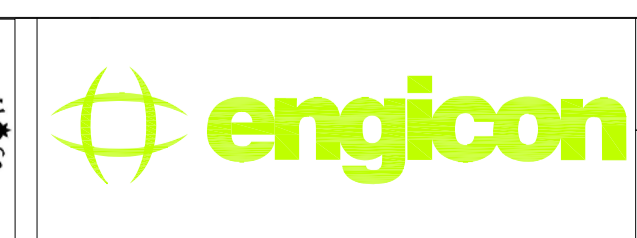
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DESIGN: M.A.	DRAWN: CAD
SCALE: 1:100	DATE: June 2019
PLOT No: 1496	LOCATION: Marka
BASIN NO: 1 Hanao Al Kassar	

Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100	Date: June 2019	Approved: W.Z.	
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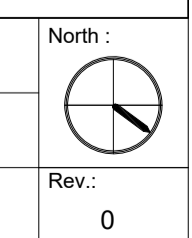
REV.	DATE	REMARKS
0	June 2019	VOL. IV - TENDER DRAWINGS

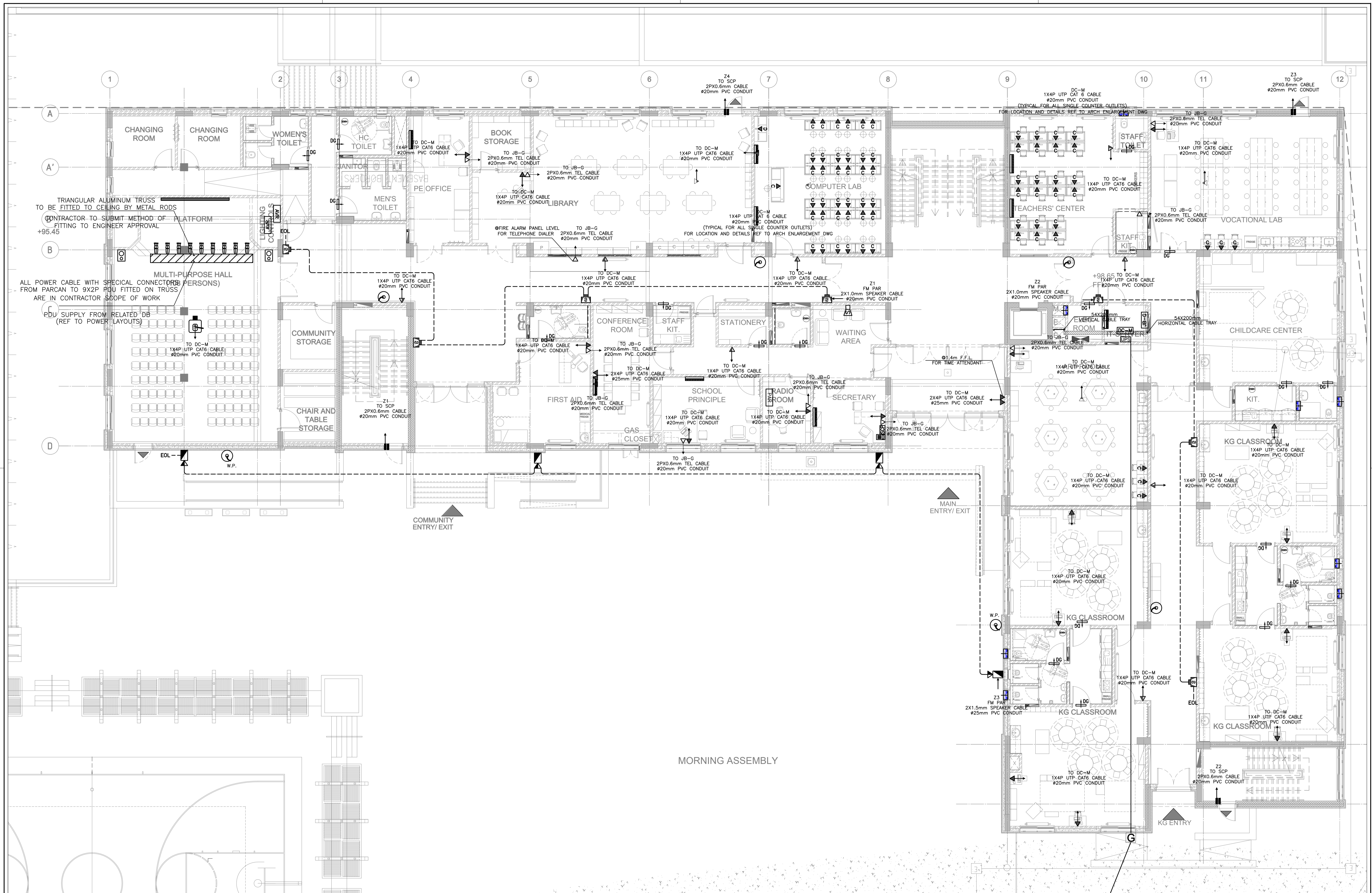
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PHASE III
 PACKAGE 2
 Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
 SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
SITE LIGHTING PLAN
 Design: M.A. Drawn: CAD Checked: K.A.H. North:
 SCALE: 1:200 Date: June 2019 Approved: W.Z.
 PLOT No: 1496 LOCATION: Marka BASIN NO: 1 Hanao Al Kassar
 DRAWING NUMBER: **SKEP 18-TL 100** Rev.: 0





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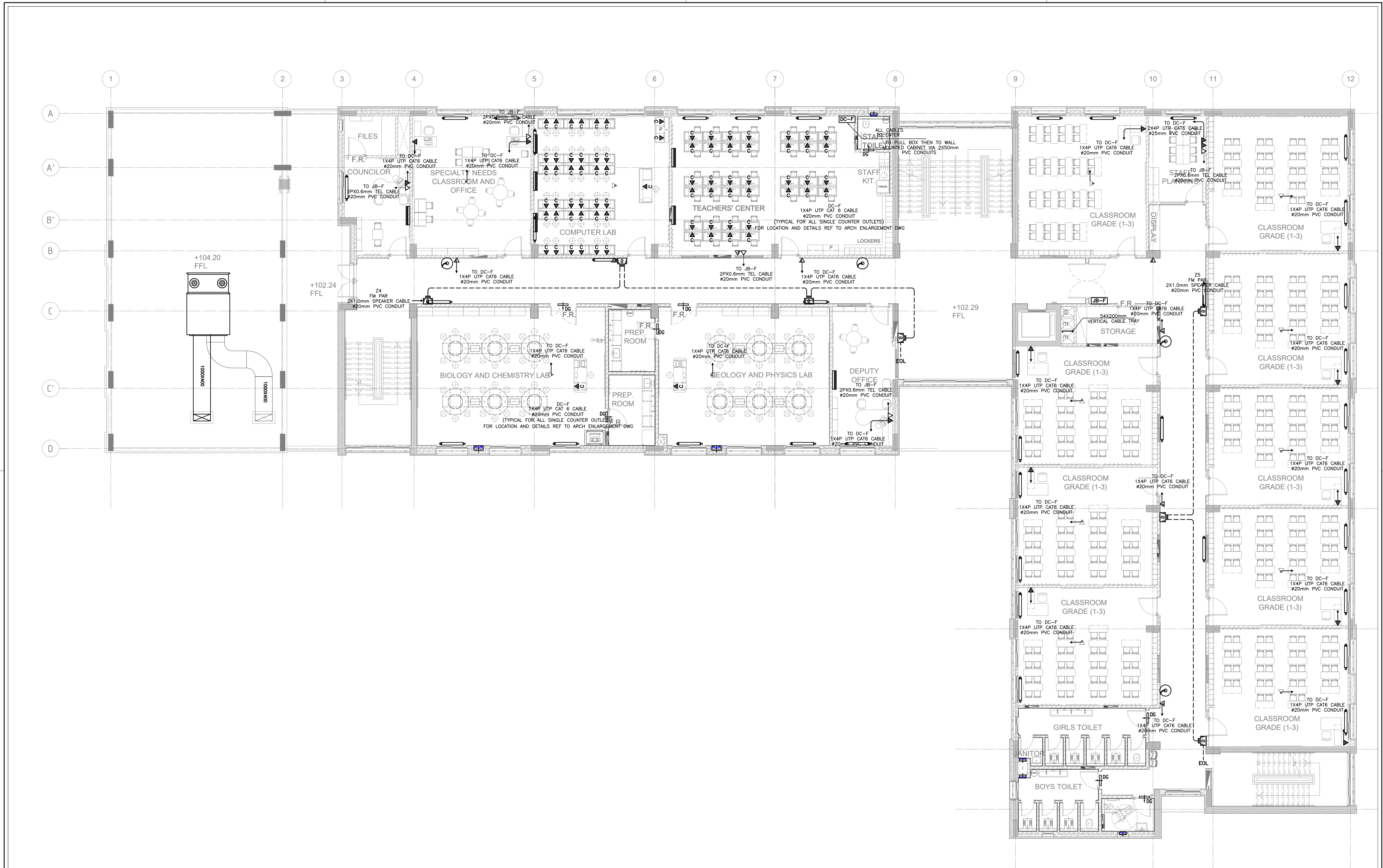
PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
**GROUND FLOOR
LOW CURRENT SYSTEM**

Design: M.A. Drawn: CAD Checked: K.A.H. North:
 SCALE: 1:100 Date: June 2019 Approved: W.Z.
 DRAWING NUMBER: **SKEP 18-TL102** Rev.: 0

LOT No	LOCATION	BASIN NO
1496	Marka	1 Hanau Al Kassar



REV.	DATE	REMARKS
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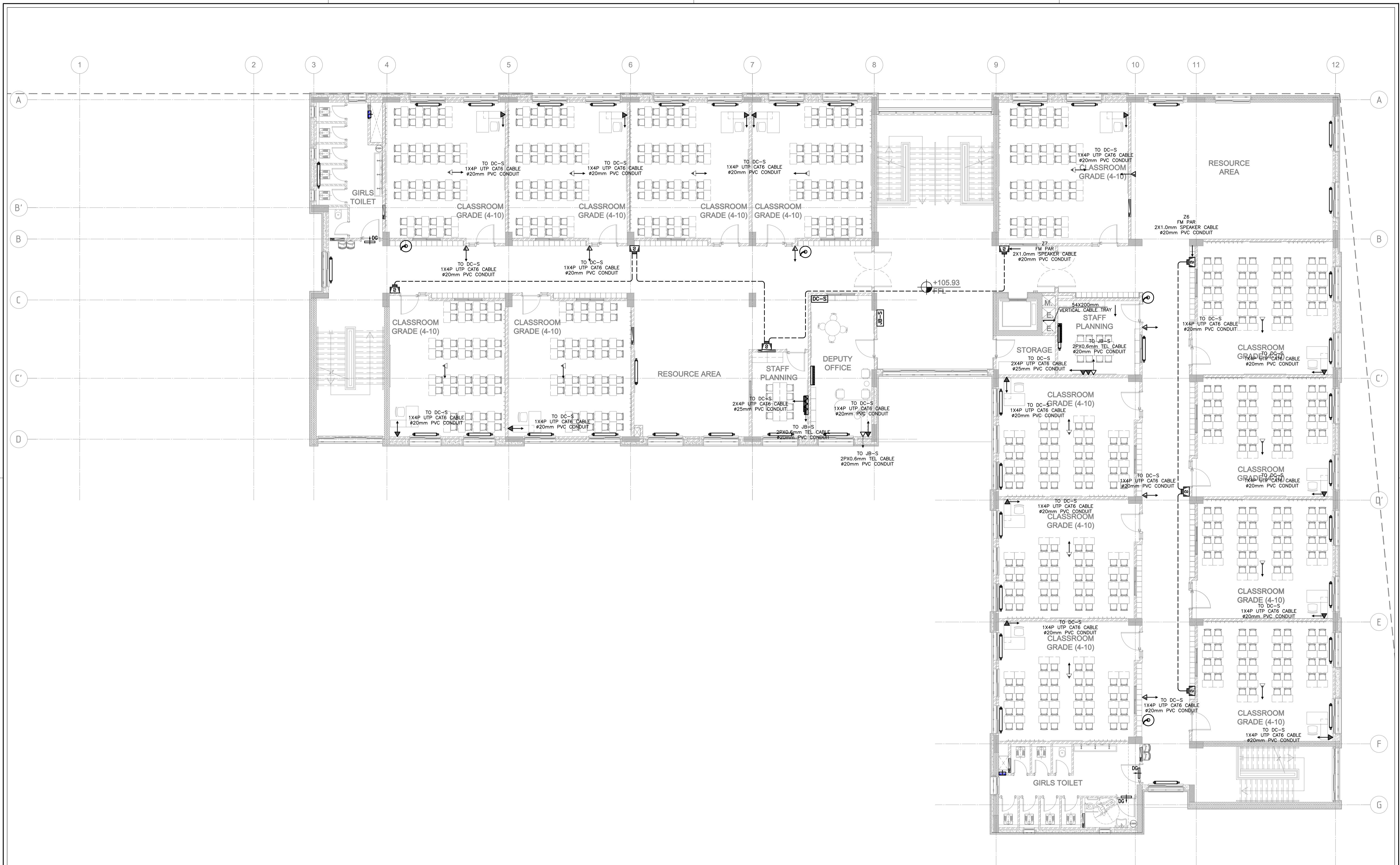
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PHASE III
 PACKAGE 2
 Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
 SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
**FIRST FLOOR
 LOW CURRENT SYSTEM**
 PLOT No 1496 LOCATION Marka BASIN NO 1 Hanao Al Kassas

Design: M.A. Drawn: CAD Checked: K.A.H. Approved: W.Z.
 SCALE: 1:100 Date: June 2019
 DRAWING NUMBER: **SKEP 18-TL103** Rev.: 0



REV.	DATE	REMARKS
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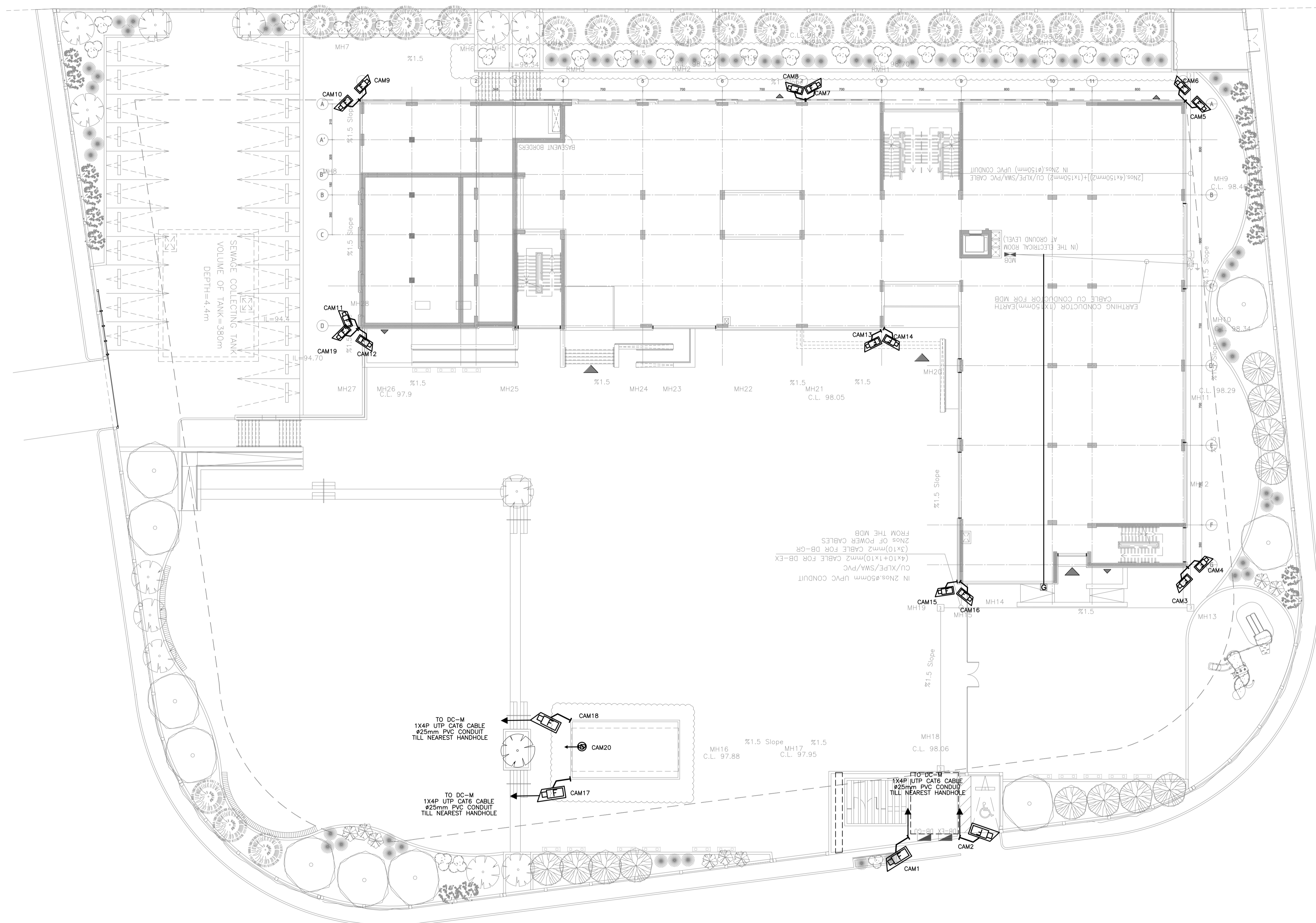
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PHASE III
 PACKAGE 2
 Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
 SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
SECOND FLOOR LOW CURRENT SYSTEM
 Design: M.A.
 Drawn: CAD
 Checked: K.A.H.
 SCALE: 1:100
 Date: June 2019
 Approved: W.Z.
 DRAWING NUMBER: **SKEP 18-TL104**

PLT No	LOCATION	BASIN NO	Rev.
1496	Marka	1 Hanao Al Kassar	0

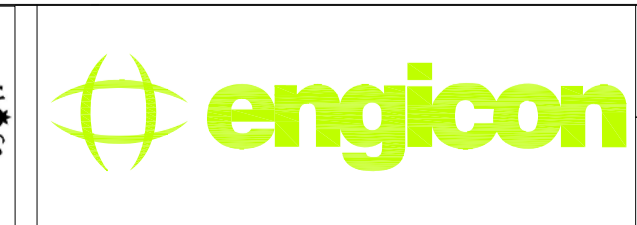


REV.	DATE	REMARKS
0	June 2019	VOL. IV - TENDER DRAWINGS

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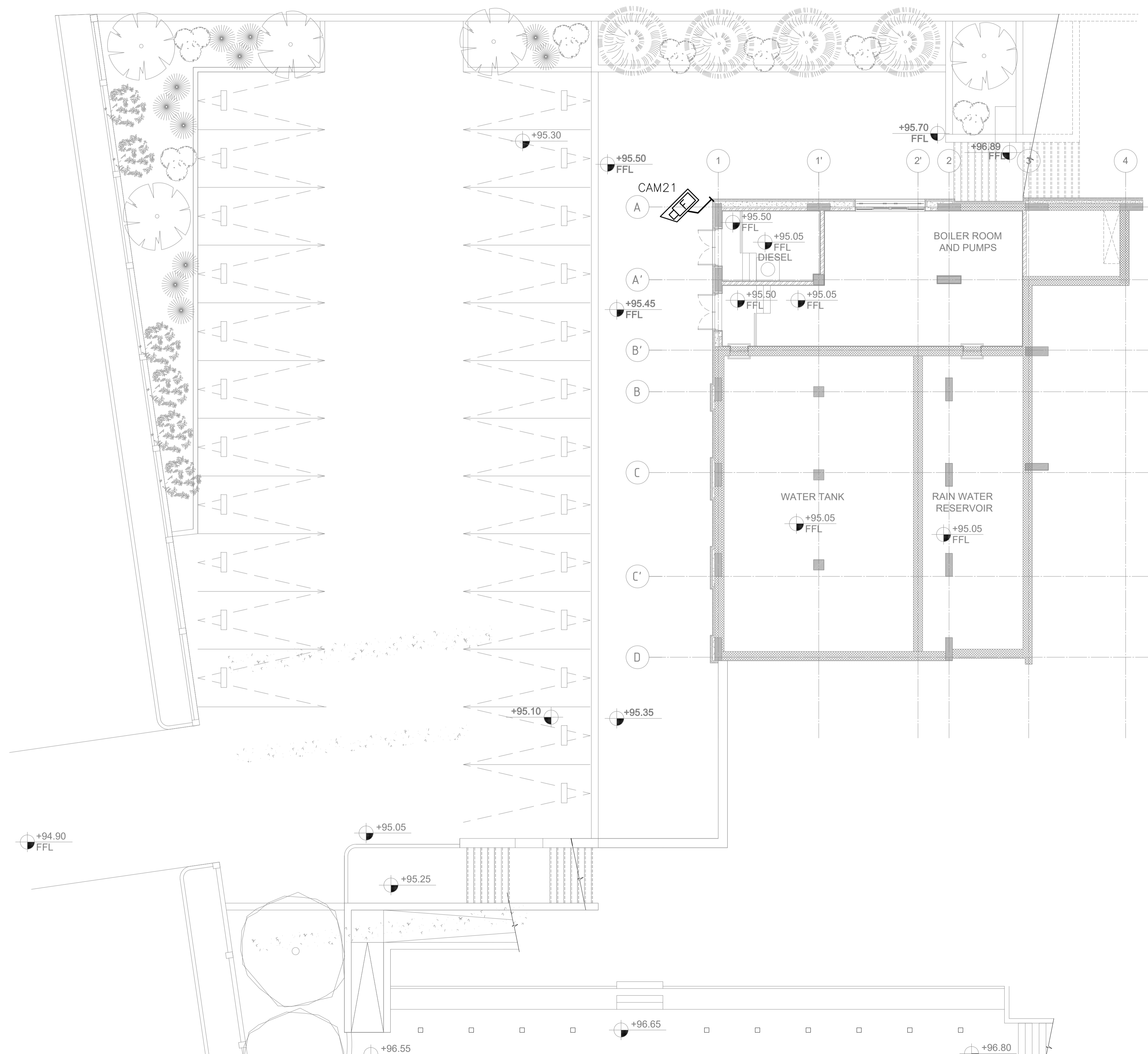


PHASE III
PACKAGE 2
Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
SITE SECURITY PLAN

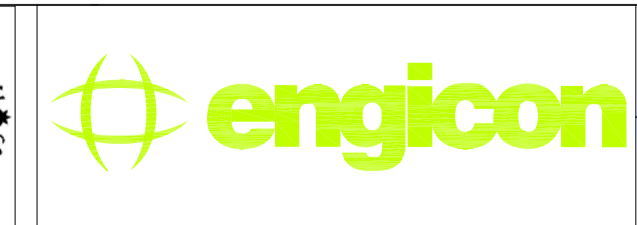
PLOT No: 1496
LOCATION: Marka
BASIN NO: 1 Hanao Al Kassar

Design: M.A.	Drawn: CAD	Checked: K.AH.	North:
SCALE: 1:200	Date: June 2019	Approved: W.Z.	
DRAWING NUMBER: SKEP 18-TS100			Rev.: 0



REV.	DATE	REMARKS
0	June 2019	VOL. IV - TENDER DRAWINGS

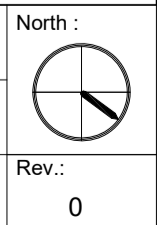
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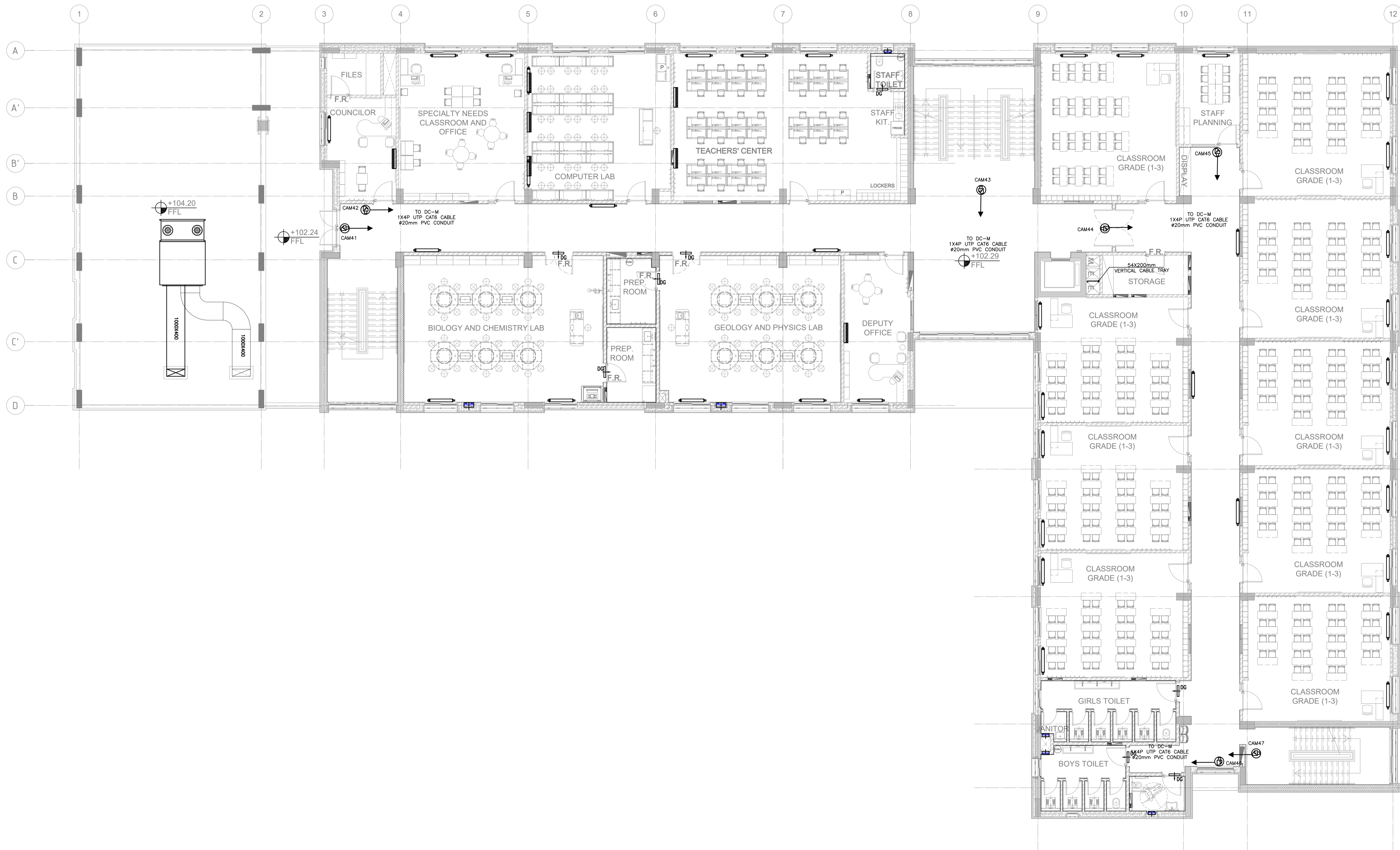


PHASE III
 PACKAGE 2
 Jumana Bint Abi Taleb Basic Mixed School
 (Amman- Marka)
 SCHOOLS FOR A KNOWLEDGE ECONOMY
 PROJECT (USAID SKEP)

DRAWING NAME: BASEMENT LOOR SECURITY SYSTEM		
DESIGN: M.A.	DRAWN: CAD	CHECKED: K.A.H.
SCALE: 1:100	DATE: June 2019	APPROVED: W.Z.
PLOT No 1496	LOCATION Marka	BASIN NO 1 Hanao Al Kassar

DRAWING NUMBER: SKEP 18-TS101		Rev.: 0
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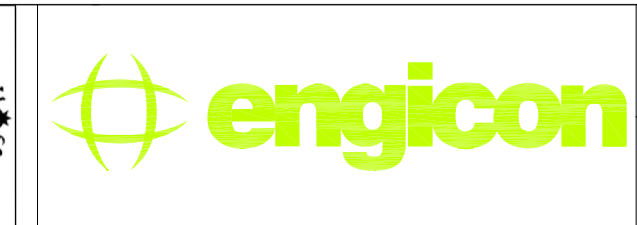


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PHASE III
PACKAGE 2

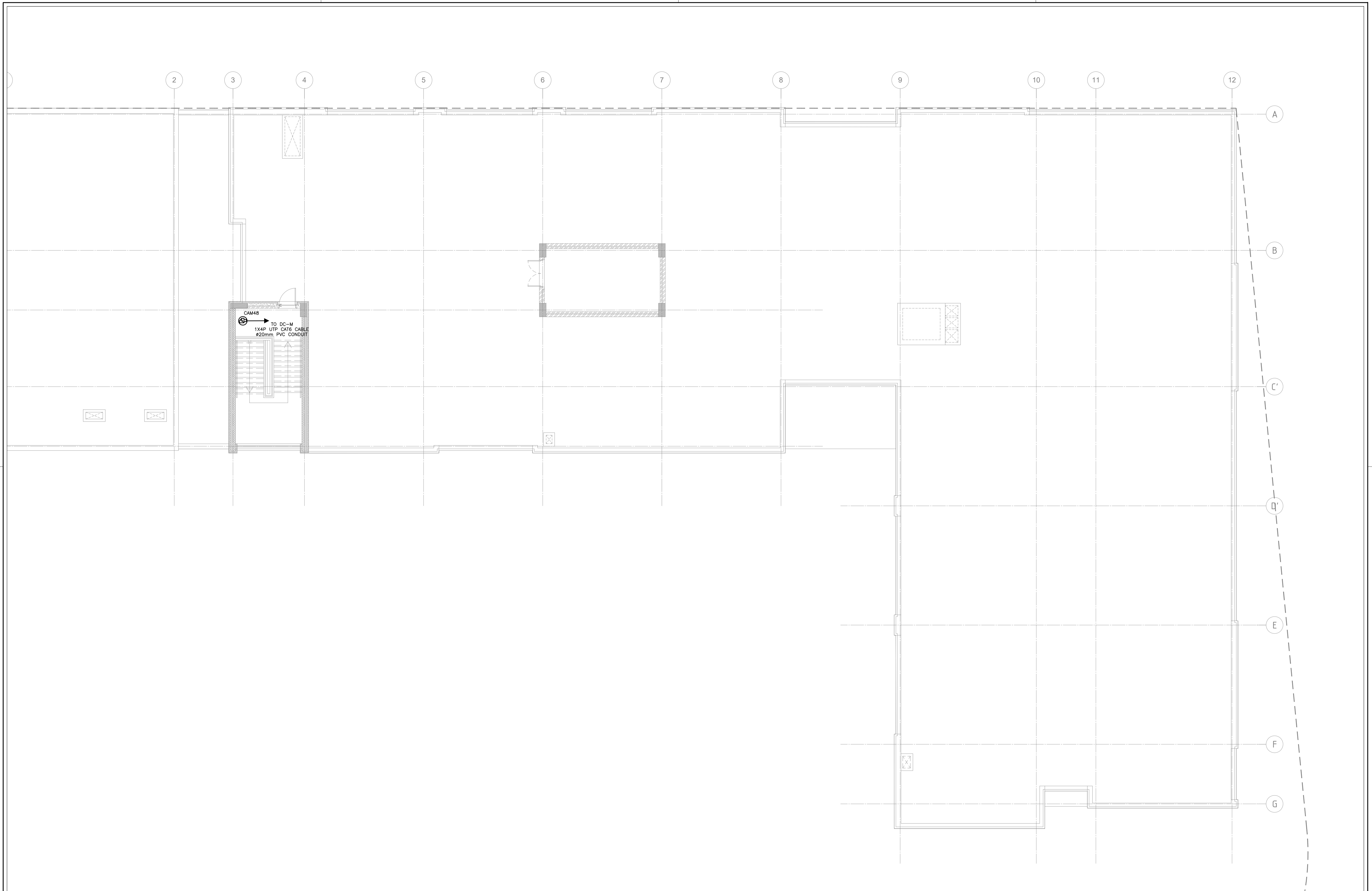
Jumana Bint Abi Taleb Basic Mixed School
(Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY
PROJECT (USAID SKEP)

DRAWING NAME:
**SECOND FLOOR
SECURITY SYSTEM**

PLOT No 1496 LOCATION Marka BASIN NO 1 Hanao Al Kassar

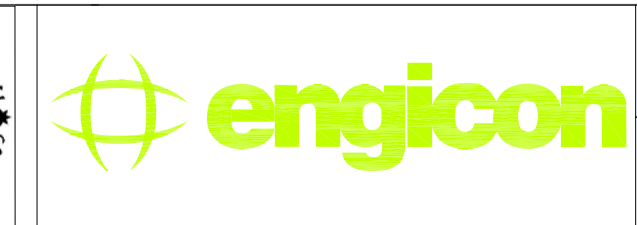
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Date: June 2019
SCALE: 1:100
DRAWING NUMBER: **SKEP 18-TS104**

Rev.: 0



REV.	DATE	REMARKS
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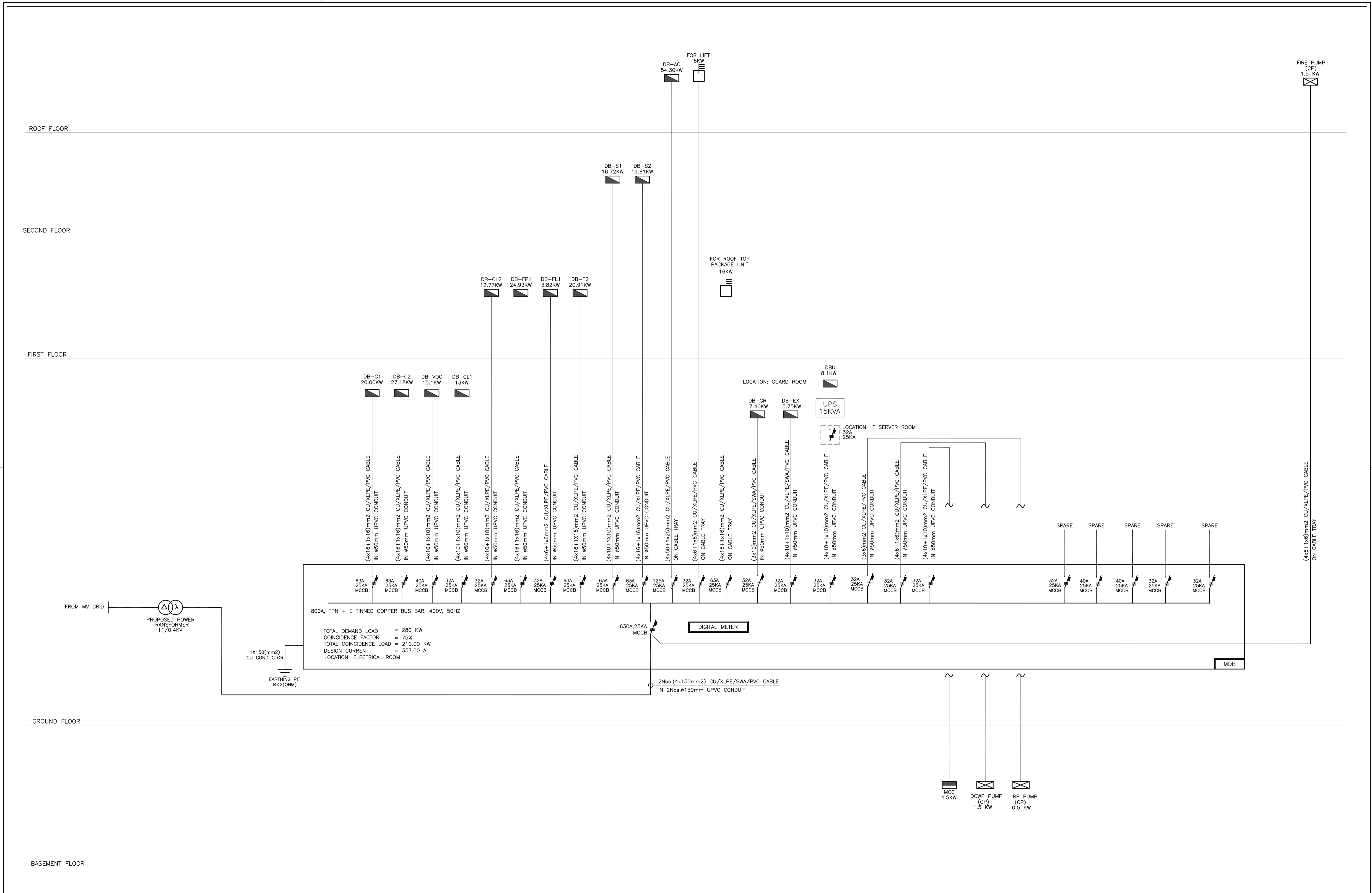
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PHASE III
 PACKAGE 2
 Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
 SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

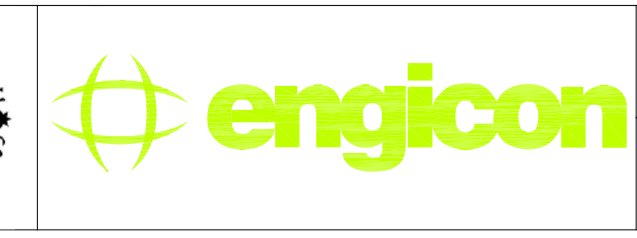
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ROOF PLAN SECURITY PLAN
 Design: M.A.
 Drawn: CAD
 Checked: K.A.H.
 SCALE: 1:100
 Date: June 2019
 Approved: W.Z.
 DRAWING NUMBER:
SKEP 18-TS105
 PLOT No: 1496
 LOCATION: Marka
 BASIN NO: 1 Hanao Al Kassar

Rev.: 0
 North:



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PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
POWER SYSTEM RISER DIAGRAM

DESIGN: S.HOU.
SCALE: NTS

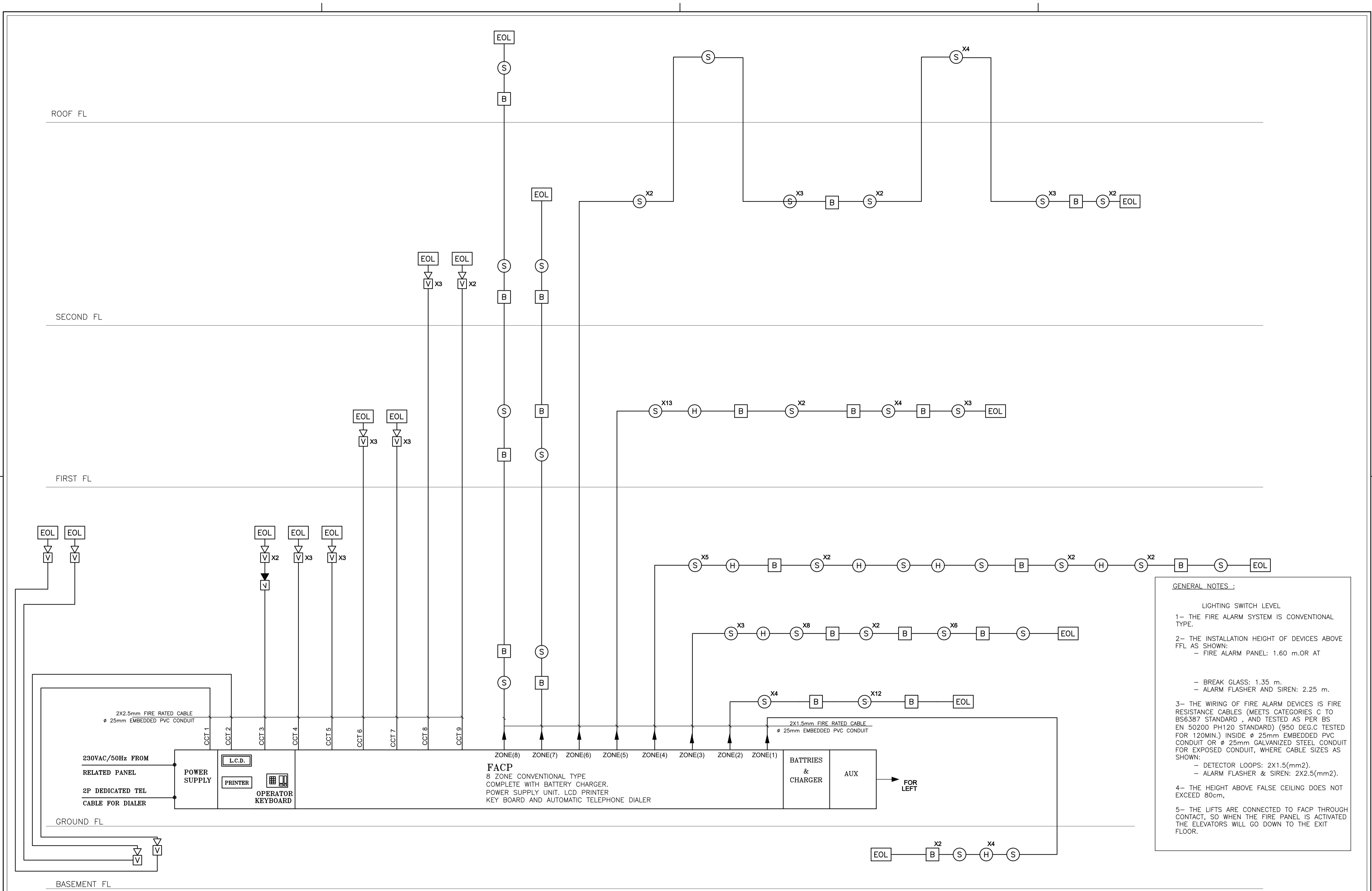
DRAWN: CAD
DATE: June 2019

CHECKED: K.AH.
APPROVED: W.Z.

DRAWING NUMBER:
SKEP 08-ED601

Rev.: 0

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GENERAL NOTES :

LIGHTING SWITCH LEVEL

1- THE FIRE ALARM SYSTEM IS CONVENTIONAL TYPE.

2- THE INSTALLATION HEIGHT OF DEVICES ABOVE FFL AS SHOWN:
 - FIRE ALARM PANEL: 1.60 m. OR AT
 - BREAK GLASS: 1.35 m.
 - ALARM FLASHER AND SIREN: 2.25 m.

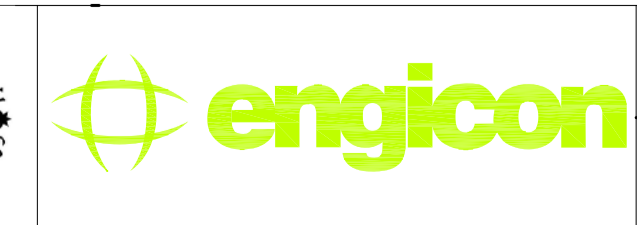
3- THE WIRING OF FIRE ALARM DEVICES IS FIRE RESISTANCE CABLES (MEETS CATEGORIES C TO BS6387 STANDARD , AND TESTED AS PER BS EN 50200 PH120 STANDARD) (950 DEG.C TESTED FOR 120MIN.) INSIDE Ø 25mm EMBEDDED PVC CONDUIT OR Ø 25mm GALVANIZED STEEL CONDUIT FOR EXPOSED CONDUIT, WHERE CABLE SIZES AS SHOWN:
 - DETECTOR LOOPS: 2X1.5(mm2).
 - ALARM FLASHER & SIREN: 2X2.5(mm2).

4- THE HEIGHT ABOVE FALSE CEILING DOES NOT EXCEED 80cm.

5- THE LIFTS ARE CONNECTED TO FACP THROUGH CONTACT, SO WHEN THE FIRE PANEL IS ACTIVATED THE ELEVATORS WILL GO DOWN TO THE EXIT FLOOR.

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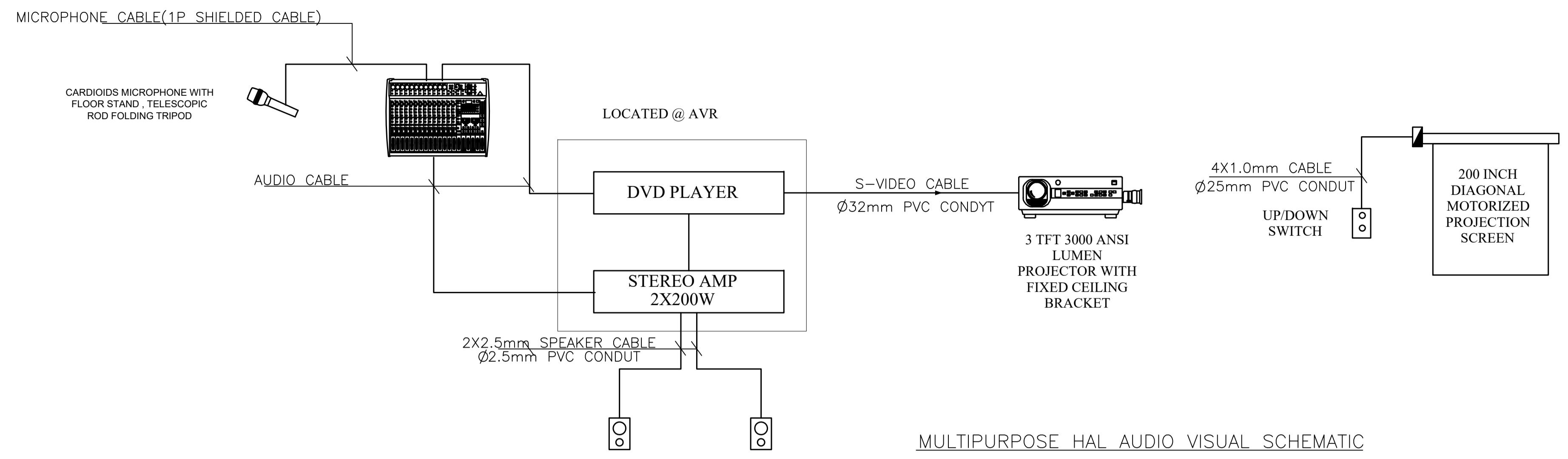
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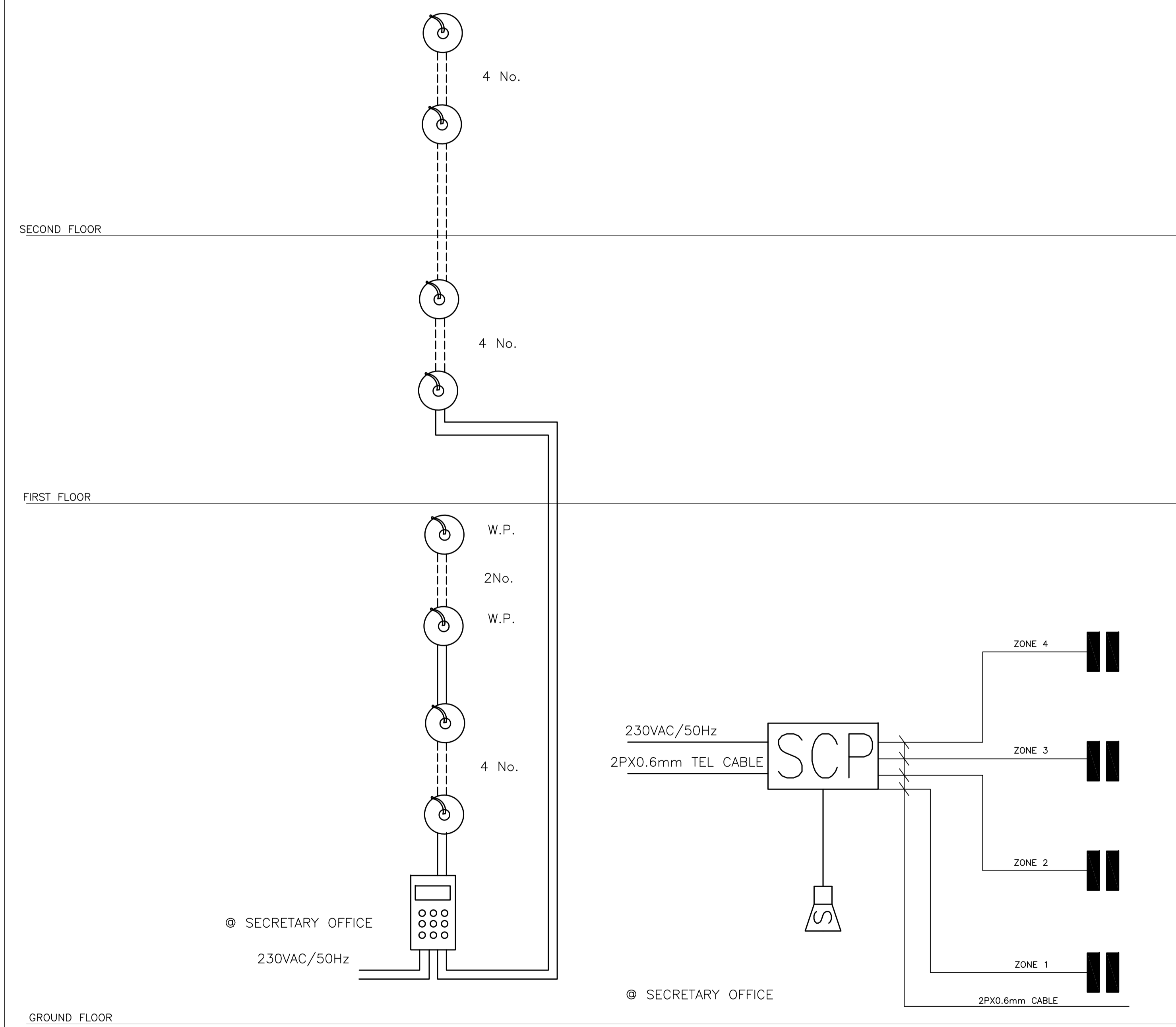
PHASE III	Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
PACKAGE 2	SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME: FIRE ALARM SYSTEM RISER DIAGRAM		
Design: M.A.	Drawn: CAD	Checked: K.A.H.
SCALE: 1:100TS	Date: June 2019	Approved: VMZZ.
PLOT No 1496	LOCATION Marka	BASIN NO 1 Hanao Al Kassar

DRAWING NUMBER: SKEP 18-FA601		Rev.: 0
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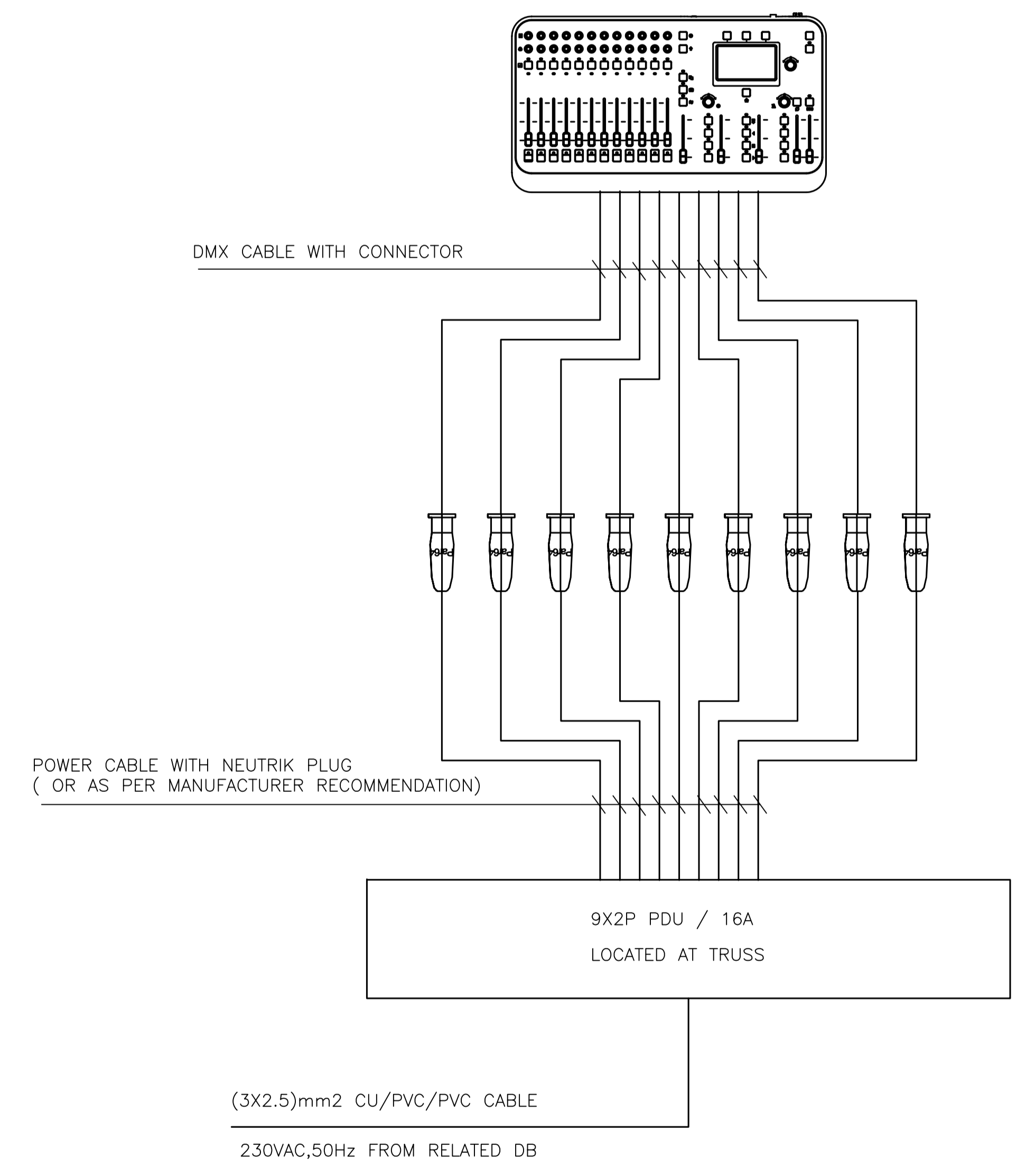


MULTIPURPOSE HAL AUDIO VISUAL SCHEMATIC



PROGRAM CHANGE BELL SCHEMATIC

INTRUSION ALARM SYSTEM



MULTIPURPOSE HALL STAGE LIGHTING SCHEMATIC

REV.	DATE	REMARKS
0	June 2019	VOL. IV - TENDER DRAWINGS

NOTES:

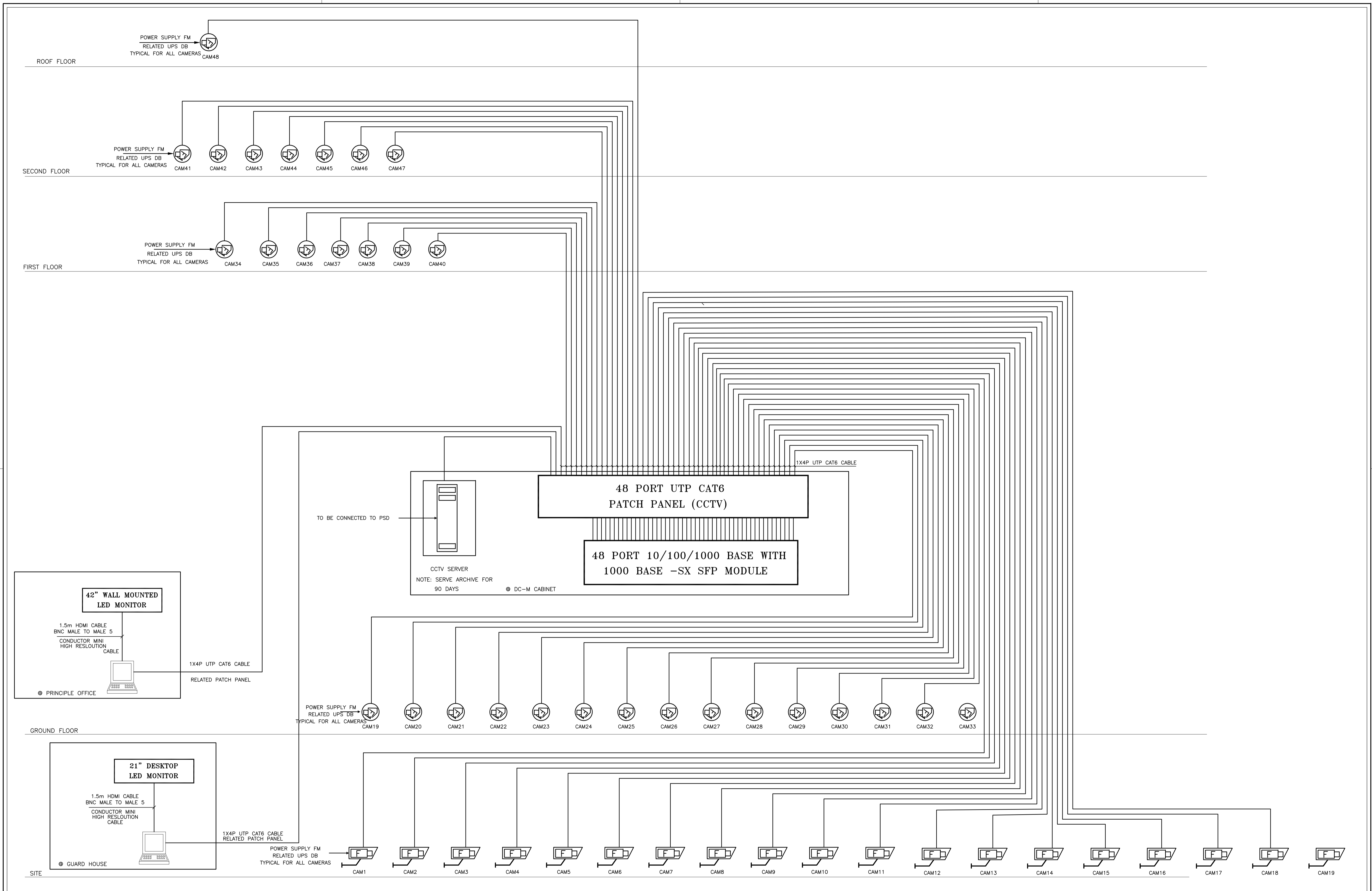


PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)

SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME: Low Current Systems Riser			Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100TS			Date: June 2019	Approved: VMZZ.	DRAWING NUMBER: SKEP 18-TL602	
PLOT No 1496	LOCATION Marka	BASIN NO 1 Hanao Al Kassar	Rev.: 0			

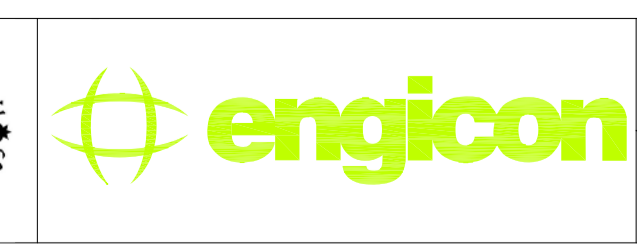


REV.	DATE	REMARKS
0	June 2019	VOL. IV - TENDER DRAWINGS

NOTES:



USAID
FROM THE AMERICAN PEOPLE



PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School
(Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY
PROJECT (USAID SKEP)

DRAWING NAME: Security System (CCTV) Riser		
DESIGN: M.A.	DRAWN: CAD	CHECKED: K.A.H.
SCALE: 1:100TS		
DATE: June 2019		
APPROVED: VMZZ.		
PLOT No: 1496	LOCATION: Marka	BASIN NO: 1 Hanao Al Kassar

DRAWING NUMBER: SKEP 18-TS601		Rev.: 0
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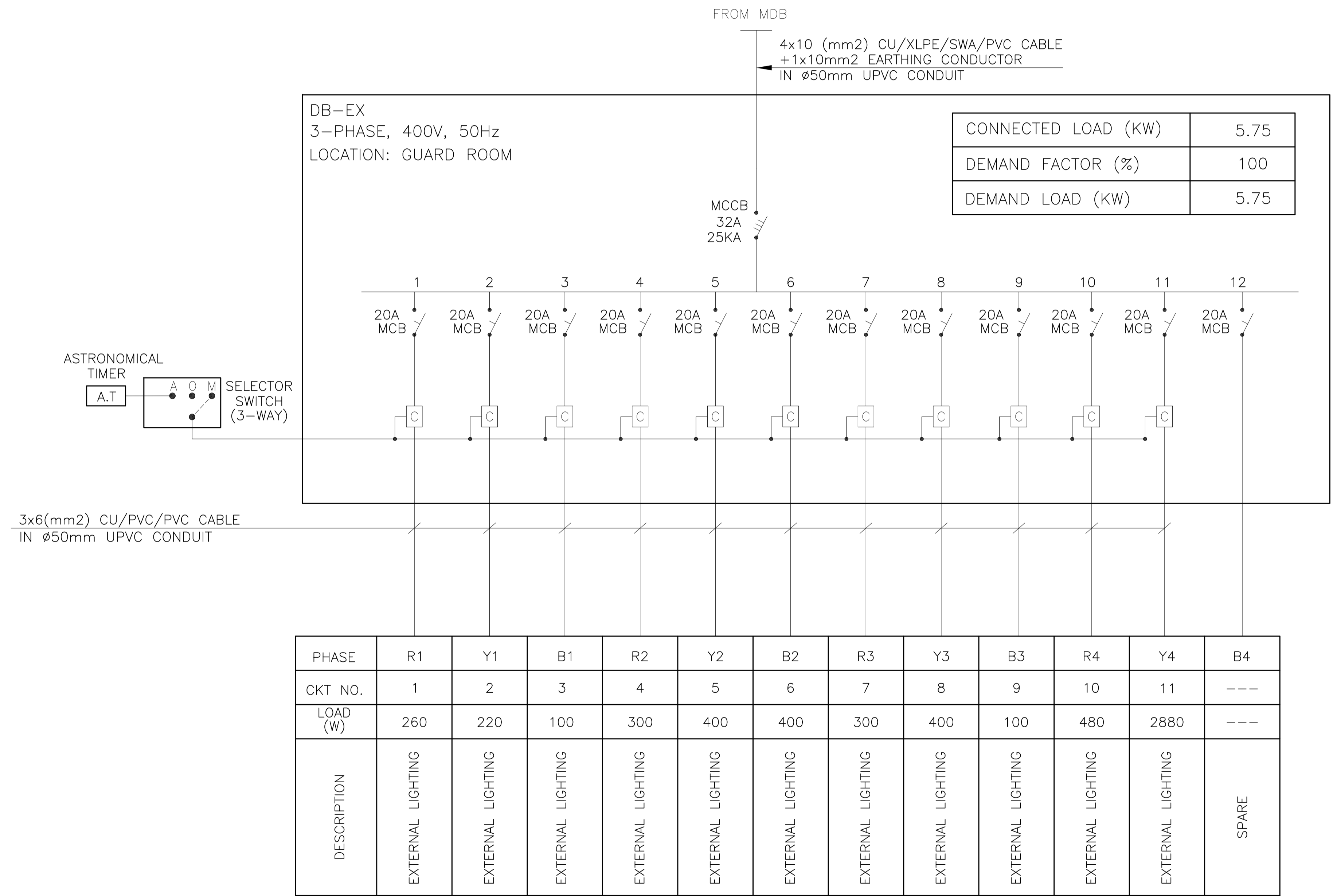
PANEL NAME: DB-G1														PANEL LOCATION: GROUND FLOOR													
CIRCUIT NO.	Description	Type: FLUSH MOUNTED			3PHASE 400V/50Hz/4W/E			SIZE OF WIRE			SIZE OF CONDUIT			PANEL LOCATION: GROUND FLOOR			Description	CIRCUIT NO.									
		phase R (W)	phase Y (W)	phase B (W)	C.B. AMP	TRIP	NO.	SIZE OF WIRE (mm ²)	SIZE OF CONDUIT (mm)	R	Y	B	C.B. AMP	TRIP	NO.	phase R (W)			phase Y (W)	phase B (W)							
L1	LIGHTING	352			1	10	3X2.5	20	X			20	3X4.0	16	23	1000	SOCKET OUTLETS	P9									
L2	LIGHTING	405			2	10	3X2.5	20	X			20	3X4.0	16	24	1000	SOCKET OUTLETS	P10									
L3	LIGHTING	260			3	10	3X2.5	20	X			20	3X4.0	16	24	1000	SOCKET OUTLETS	P11									
L4	LIGHTING	308			4	10	3X2.5	20	X			20	3X4.0	16	25	800	SOCKET OUTLETS	P12									
L5	LIGHTING	880			5	10	3X2.5	20	X			20	3X4.0	16	26	1400	SOCKET OUTLETS	P13									
L6	LIGHTING	490			6	10	3X2.5	20	X			20	3X4.0	16	27	1400	SOCKET OUTLETS	P14									
L7	LIGHTING	320			7	10	3X2.5	20	X			20	3X4.0	16	28	1200	SOCKET OUTLETS	P15									
L8	LIGHTING	850			8	10	3X2.5	20	X			20	3X4.0	16	29	1200	SOCKET OUTLETS	P16									
L9	LIGHTING	280			9	10	3X2.5	20	X			20	3X4.0	16	30	1200	SOCKET OUTLETS	P17									
L10	LIGHTING	381			10	10	3X2.5	20	X			20	3X4.0	16	31	300	SOCKET OUTLETS	P18									
L11	LIGHTING	192			11	10	3X2.5	20	X			20	3X4.0	16	32	400	SOCKET OUTLETS	P19									
L12	LIGHTING	144			12	10	3X2.5	20	X			20	3X4.0	16	33	1200	SOCKET OUTLETS	P20									
P1	SOCKET OUTLETS	400			13	10	3X2.5	20	X			20	3X4.0	16	34	200	SOCKET OUTLETS	P21									
P2	SOCKET OUTLETS	400			14	16	3X4.0	20	X			20	3X4.0	16	35	2000	SOCKET OUTLETS	P22									
P3	SOCKET OUTLETS	1000			15	16	3X4.0	20	X			20	3X4.0	16	36		SOCKET OUTLETS	P23									
P4	SOCKET OUTLETS	1000			16	16	3X4.0	20	X			20	3X4.0	16	37		SOCKET OUTLETS	P24									
P5	SOCKET OUTLETS	1400			17	16	3X4.0	20	X			20	3X4.0	16	38		SOCKET OUTLETS	P25									
P6	SOCKET OUTLETS	1000			18	16	3X4.0	20	X			20	3X4.0	16	39		SOCKET OUTLETS	P26									
P7	SOCKET OUTLETS	800			19	16	3X4.0	20	X			20	3X4.0	16	40		SOCKET OUTLETS	P27									
P8	SOCKET OUTLETS	1000			20	16	3X4.0	20	X			20	3X4.0	16	41		SOCKET OUTLETS	P28									
P9	SOCKET OUTLETS	1000			21	16	3X4.0	20	X			20	3X4.0	16	42		SOCKET OUTLETS	P29									
CONNECTED LOAD (W)																		3512	4627	3174							
TOTAL CONNECTED LOAD "R"																		7612									
TOTAL CONNECTED LOAD "Y"																		10927									
TOTAL CONNECTED LOAD "B"																		7974									
TOTAL CONNECTED LOAD (KW)																		26.21									
DEMAND FACTOR																		0.8									
TOTAL DEMAND LOAD (KW)																		20.97									
DESIGN CURRENT																		35.65									

PANEL NAME: DB-L2														PANEL LOCATION: COMPUTER LAB 1													
CIRCUIT NO.	Description	Type: FLUSH MOUNTED			3PHASE 400V/50Hz/4W/E			SIZE OF WIRE			SIZE OF CONDUIT			PANEL LOCATION: COMPUTER LAB 1			Description	CIRCUIT NO.									
		phase R (W)	phase Y (W)	phase B (W)	C.B. AMP	TRIP	NO.	SIZE OF WIRE (mm ²)	SIZE OF CONDUIT (mm)	R	Y	B	C.B. AMP	TRIP	NO.	phase R (W)			phase Y (W)	phase B (W)							
L1	LIGHTING	360			1	10	3X2.5	20	X			20	3X4.0	16	10	1200	SOCKET OUTLETS	P9									
P1	SOCKET OUTLET	1200			2	16	3X4.0	20	X			20	3X4.0	16	11	1400	SOCKET OUTLETS	P10									
P2	SOCKET OUTLET	1200			3	16	3X4.0	20	X			20	3X4.0	16	12	1000	SOCKET OUTLETS	P11									
L2	LIGHTING	1600			4	16	3X4.0	20	X			20	3X4.0	16	13		SOCKET OUTLETS	P12									
P4	SOCKET OUTLET	1600			5	16	3X4.0	20	X			20	3X4.0	16	14		SOCKET OUTLETS	P13									
P5	SOCKET OUTLET	1600			6	16	3X4.0	20	X			20	3X4.0	16	15		SOCKET OUTLETS	P14									
P6	SOCKET OUTLET	1600			7	16	3X4.0	20	X			20	3X4.0	16	16		SOCKET OUTLETS	P15									
P7	SOCKET OUTLET	1600			8	16	3X4.0	20	X			20	3X4.0	16	17		SOCKET OUTLETS	P16									
P8	SOCKET OUTLET	1600			9	16	3X4.0	20	X			20	3X4.0	16	18		SOCKET OUTLETS	P17									
CONNECTED LOAD (W)																		3560	4400	4400							
TOTAL CONNECTED LOAD "R"																		4760									
TOTAL CONNECTED LOAD "Y"																		5800									
TOTAL CONNECTED LOAD "B"																		5400									
TOTAL CONNECTED LOAD (KW)																		16.96									
DEMAND FACTOR																		0.8									
TOTAL DEMAND LOAD (KW)																		12.77									
DESIGN CURRENT																		21.71									

PANEL NAME: DB-U														PANEL LOCATION: SERVER													
CIRCUIT NO.	Description	Type: FLUSH MOUNTED			3PHASE 400V/50Hz/4W/E			SIZE OF WIRE			SIZE OF CONDUIT			PANEL LOCATION: SERVER			Description	CIRCUIT NO.									
		phase R (W)	phase Y (W)	phase B (W)	C.B. AMP	TRIP	NO.	SIZE OF WIRE (mm ²)	SIZE OF CONDUIT (mm)	R	Y	B	C.B. AMP	TRIP	NO.	phase R (W)			phase Y (W)	phase B (W)							
P1	SOCKET OUTLET	600			1	16	3X4.0	20	X			20	3X4.0	16	13	450	SOCKET OUTLET	P13									
P2	SOCKET OUTLET	750			2	16	3X4.0	20	X			20	3X4.0	16	14	300	SOCKET OUTLET	P14									
P3	SOCKET OUTLET	450			3	16	3X4.0	20	X			20	3X4.0	16	15	400	SOCKET OUTLET	P15									
P4	SOCKET OUTLET	300			4	16	3X4.0	20	X			20	3X4.0	16	16	300	SOCKET OUTLET	P16									
P5	SOCKET OUTLET	600			5	16	3X4.0	20	X			20	3X4.0	16	17	450	SOCKET OUTLET	P17									
P6	SOCKET OUTLET	300			6	16	3X4.0	20	X			20	3X4.0	16	18	300	SOCKET OUTLET	P18									
P7	SOCKET OUTLET	600			7	16	3X4.0	20	X			20	3X4.0	16	19	400	SOCKET OUTLET	P19									
P8	SOCKET OUTLET	600			8	16	3X4.0	20	X			20	3X4.0	16	20		SOCKET OUTLET	P20									
P9	SOCKET OUTLET	300			9	16	3X4.0	20	X			20	3X4.0	16	21		SOCKET OUTLET	P21									
P10	SOCKET OUTLET	300			10	16	3X4.0	20	X			20	3X4.0	16	22		SOCKET OUTLET	P22									
P11	DC-M	400			11	16	3X4.0	20	X			20	3X4.0	16	23		SOCKET OUTLET	P23									
P12	SOCKET OUTLET	300			12	16	3X4.0	20	X			20	3X4.0	16	24		SOCKET OUTLET	P24									
CONNECTED LOAD (W)																		1800	2350	1350							
TOTAL CONNECTED LOAD "R"																		2950									
TOTAL CONNECTED LOAD "Y"																		3100									
TOTAL CONNECTED LOAD "B"																		2650									
TOTAL CONNECTED LOAD (KW)																		8.10									
DEMAND FACTOR																		1									
TOTAL DEMAND LOAD (KW)																		8.10									
DESIGN CURRENT																		13.77									

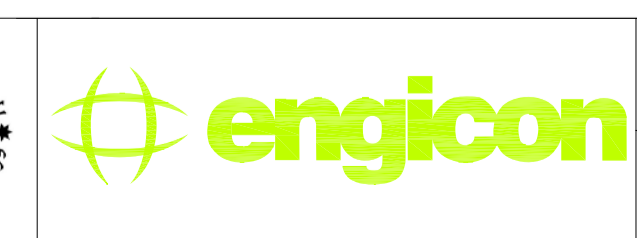
PANEL NAME: DB-G2														PANEL LOCATION: GROUND FLOOR													
CIRCUIT NO.	Description	Type: FLUSH MOUNTED			3PHASE 400V/50Hz/4W/E			SIZE OF WIRE			SIZE OF CONDUIT			PANEL LOCATION: GROUND FLOOR			Description	CIRCUIT NO.									
		phase R (W)	phase Y (W)	phase B (W)	C.B. AMP	TRIP	NO.	SIZE OF WIRE (mm ²)	SIZE OF CONDUIT (mm)	R	Y	B	C.B. AMP	TRIP	NO.	phase R (W)			phase Y (W)	phase B (W)							
L1	LIGHTING	850			1	10	3X2.5	20	X			20	3X4.0	16	22	800	SOCKET OUTLETS	P7									
L2	LIGHTING	562			2	10	3X2.5	20	X			20	3X4.0	16	23	1000	SOCKET OUTLETS	P8									
L3	LIGHTING	248			3	10	3X2.5	20	X			20	3X4.0	16	24	1200	SOCKET OUTLETS	P9									
L4	LIGHTING	694			4	10	3X2.5	20	X			20	3X4.0	16	25	1200	SOCKET OUTLETS	P10									
L5	LIGHTING	570			5	10	3X2.5	20	X			20	3X4.0	16	26	1600	SOCKET OUTLETS	P11									
L6	LIGHTING	720			6	10	3X2.5	20	X			20	3X4.0	16	27	1600	SOCKET OUTLETS	P12									
L7	LIGHTING	300			7	10	3X2.5	20	X			20	3X4.0	16	28	1600	SOCKET OUTLETS	P13									
L8	LIGHTING	420			8	10	3X2.5	20	X			20	3X4.0	16	29	800	SOCKET OUTLETS	P14									
L9	LIGHTING	420			9	10	3X2.5	20	X			20	3X4.0	16	30	800	SOCKET OUTLETS	P15									
L10	LIGHTING	720			10	10	3X2.5	20	X			20	3X4.0	16	31	1600	SOCKET OUTLETS	P16									
L11	LIGHTING	400			11	10	3X2.5	20	X			20	3X4.0	16	32	1200	SOCKET OUTLETS	P17									
L12	LIGHTING	132			12	10	3X2.5	20	X			20	3X4.0	16	33	1000	SOCKET OUTLETS	P18									
L13	LIGHTING	40			13	10	3X2.5	20	X			20	3X4.0	16	34	1200	SOCKET OUTLETS	P19									
CONNECTED LOAD (W)																		5504	4752	4320							
TOTAL CONNECTED LOAD "R"																		12104									
TOTAL CONNECTED LOAD "Y"																		11752									
TOTAL CONNECTED LOAD "B"																		10120									
TOTAL CONNECTED LOAD (KW)																		33.98									
DEMAND FACTOR																		0.8									
TOTAL DEMAND LOAD (KW)																		27.18									
DESIGN CURRENT																		46.21									

PANEL NAME: DB-F1														PANEL LOCATION: FIRST FLOOR													
CIRCUIT NO.	Description	Type: FLUSH MOUNTED			3PHASE 400V/50Hz/4W/E			SIZE OF WIRE			SIZE OF CONDUIT			PANEL LOCATION: FIRST FLOOR			Description	CIRCUIT NO.									
		phase R (W)	phase Y (W)	phase B (W)	C.B. AMP	TRIP	NO.	SIZE OF WIRE (mm ²)	SIZE OF CONDUIT (mm)	R	Y	B	C.B. AMP	TRIP	NO.	phase R (W)			phase Y (W)	phase B (W)							
P1	SOCKET OUTLET	1000			1	16	3X4.0	20	X			20	3X4.0	16	22	800	SOCKET OUTLET	P22									
P2	SOCKET OUTLET	1400			2	16	3X4.0	20	X			20	3X4.0	16	23	800	SOCKET OUTLET	P23									
P3	SOCKET OUTLET	160			3	16	3X4.0	20	X			20	3X4.0	16	24	800	SOCKET OUTLET	P24									
P4	SOCKET OUTLET	1600			4	16	3X4.0	20	X			20	3X4.0	16	25	800	SOCKET OUTLET	P25									
P5	SOCKET OUTLET	1200			5	16	3X4.0	20	X			20	3X4.0	16	26	800	SOCKET OUTLET	P26									
P6	SOCKET OUTLET	1200			6	16	3X4.0	20	X			20	3X4.0	16	27	1200	SOCKET OUTLET	P27									
P7	SOCKET OUTLET	1600			7	16	3X4.0	20	X			20	3X4.0	16	28	200	EXF3	P28									
P8	SOCKET OUTLET	1600			8	16	3X4.0	20	X			20	3X4.0	16	29	1200	EXF3	P29									
P9	SOCKET OUTLET	1200			9	16	3X4.0	20	X			20	3X4.0	16	30	1200	EXF3	P30									
P10	SOCKET OUTLET	1200			10	16	3X4.0	20	X			20	3X4.0	16	31		EXF3	P31									
P11	SOCKET OUTLET	1600			11	16	3X4.0	20	X			20	3X4.0	16	32		EXF3	P32									
P12	SOCKET OUTLET	1600			12	16	3X4.0	20	X			20	3X4.0	16	33		EXF3	P33									
P13	SOCKET OUTLET	800			13	16	3X4.0	20	X			20	3X4.0	16	34		EXF3	P34									
P14	SOCKET OUTLET	800			14	16	3X4.0	20	X			20	3														



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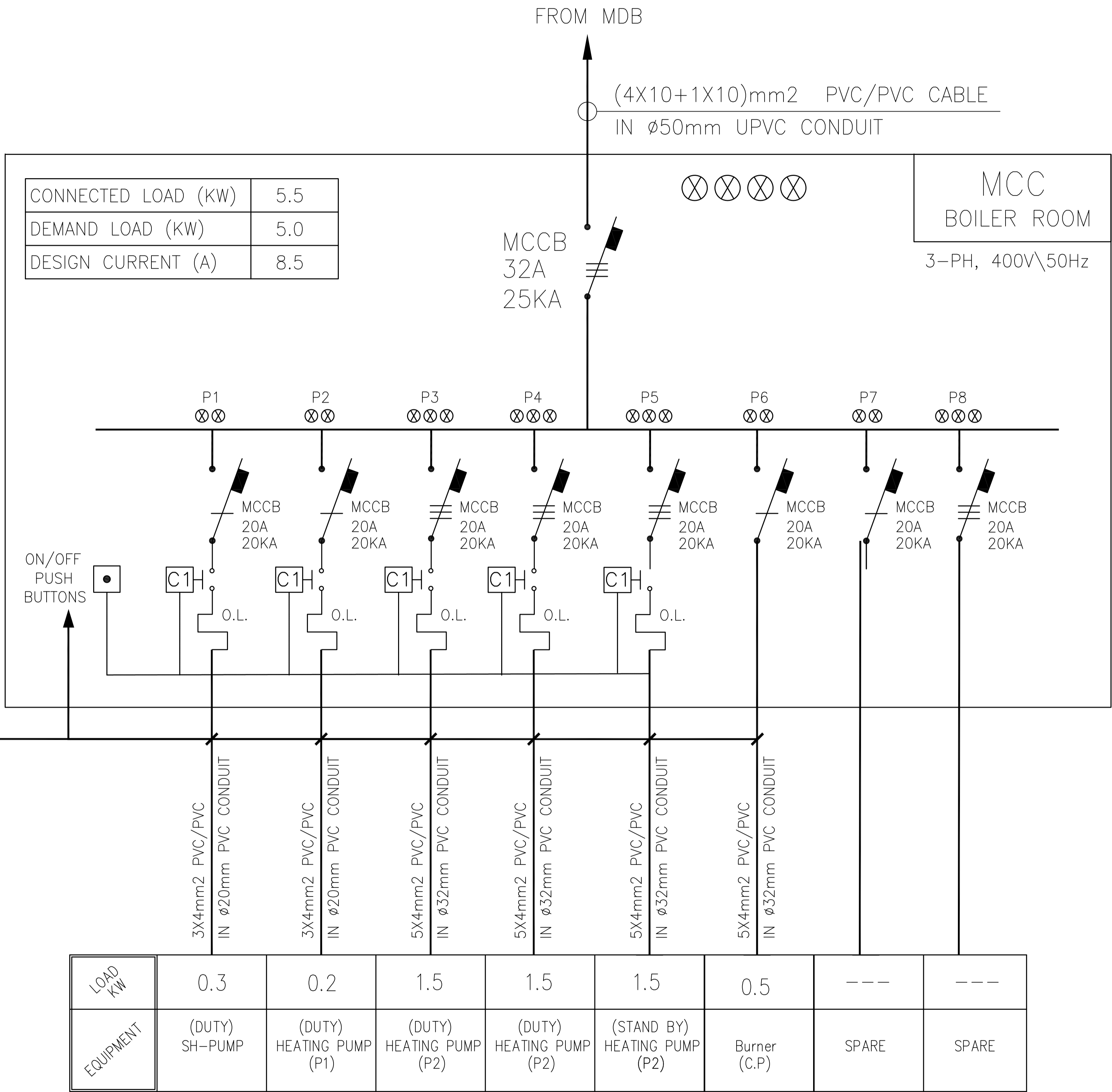
NOTES:



PHASE III
PACKAGE 2
Jumana Bint Abi Taleb Basic Mixed School
(Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY
PROJECT (USAID SKEP)

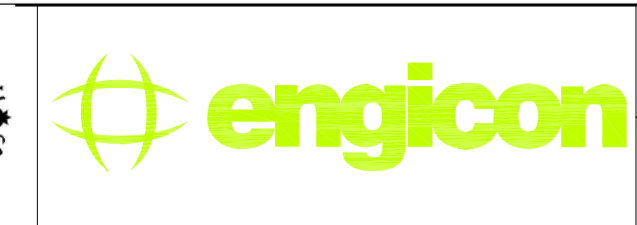
DRAWING NAME:
External Lighting
PLOT No: 1496
LOCATION: Marka
BASIN NO: 1 Hanao Al Kassar

Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: N.T.S.	Date: June 2019	Approved: W.Z.	
DRAWING NUMBER: SKEP 18-E905			Rev.: 0



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NOTES:



PHASE III
PACKAGE 2

Jumana Bint Abi Taleb Basic Mixed School (Amman- Marka)
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:
MCC
Single Line Diagram

Design: M.A.
Drawn: CAD
Checked: K.A.H.
SCALE: N.T.S.
Date: June 2019
Approved: W.Z.

PLOT No: 1496
LOCATION: Marka
BASIN NO: 1 Hanao Al Kassar

DRAWING NUMBER:
SKEP 18-E906

Rev.: 0