

تم التصميم حسب الكودات المعتمدة  
موجب التعليمات الفنية السارية

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.
U	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
P	POWER POINT
	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 VARIFOCAL 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.

NOTES:

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



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PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME:

**ELECTRICAL LEGEND**

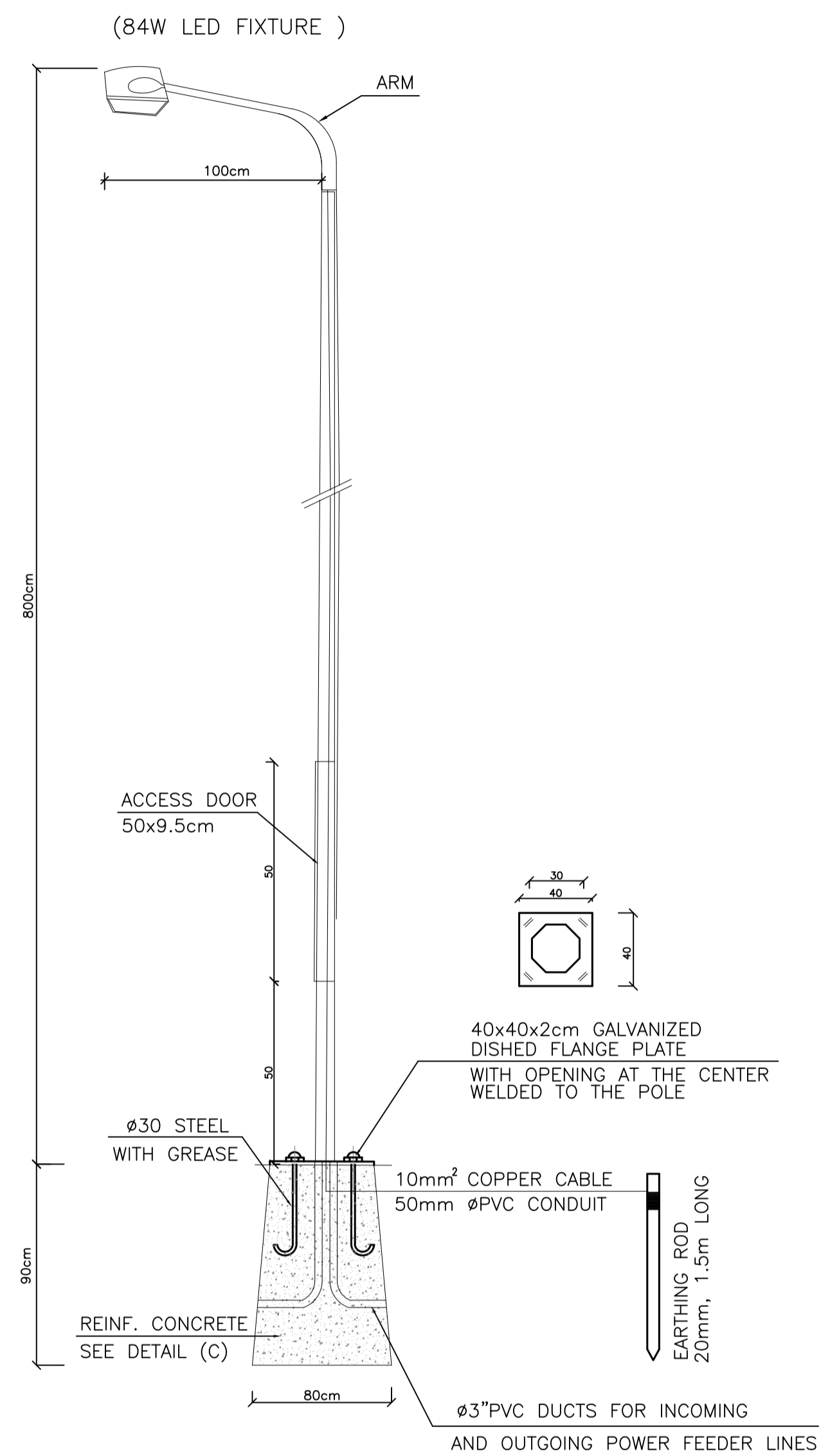
PLOT No  
435

LOCATION  
Thahr Al Sarow

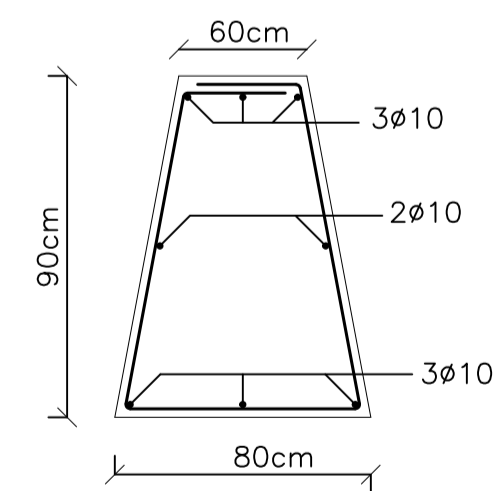
BASIN NO  
4 Dair Alliat

Design:	Drawn:	Checked:	North:
M.A.	CAD	K.A.H.	
SCALE : N.T.S.		Date: JUNE 2019	Approved: W.Z.
DRAWING NUMBER:			Rev.:
<b>SKEP 14-EG001</b>			0

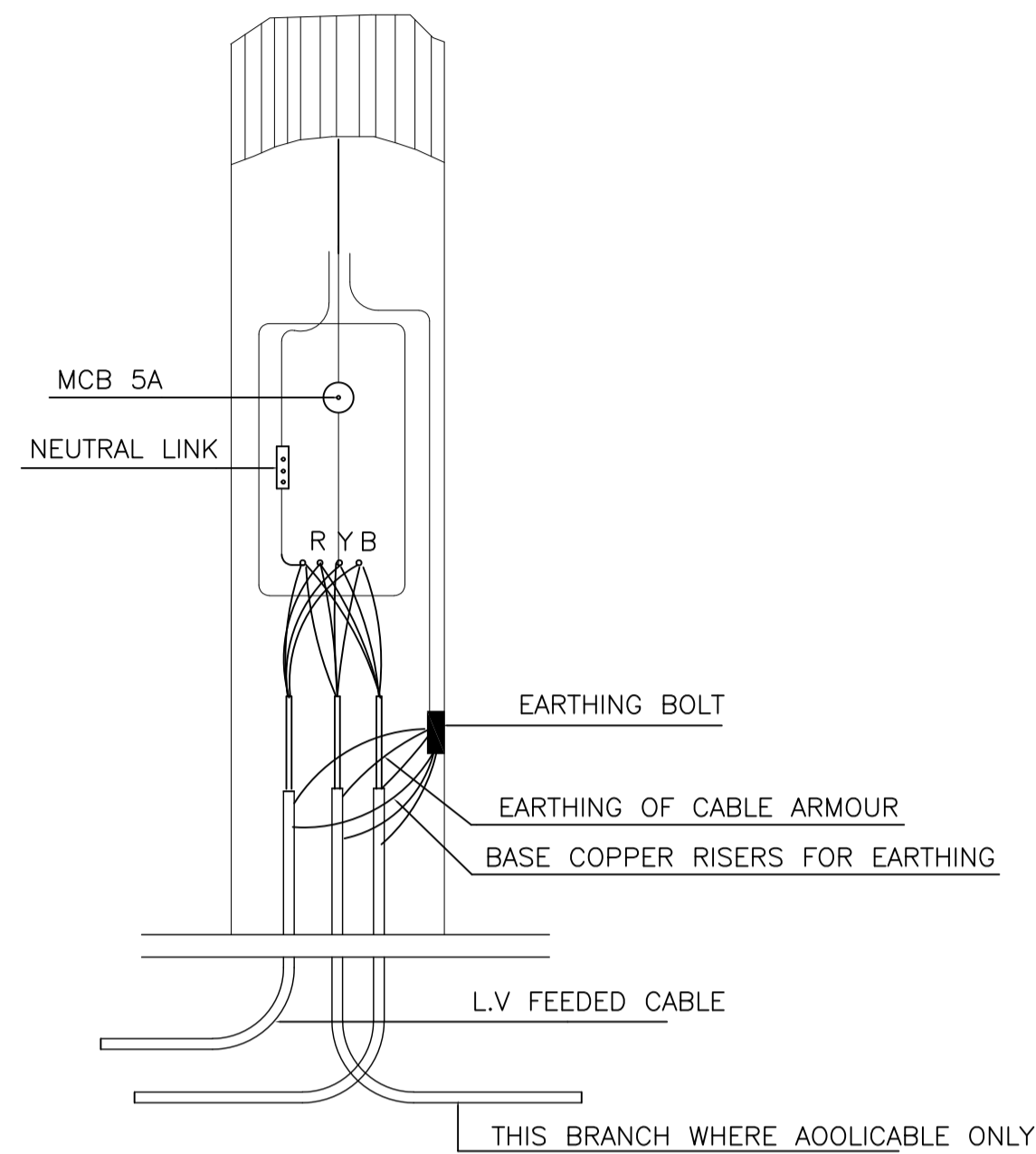
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بموجب التعليمات الفنية السارية  
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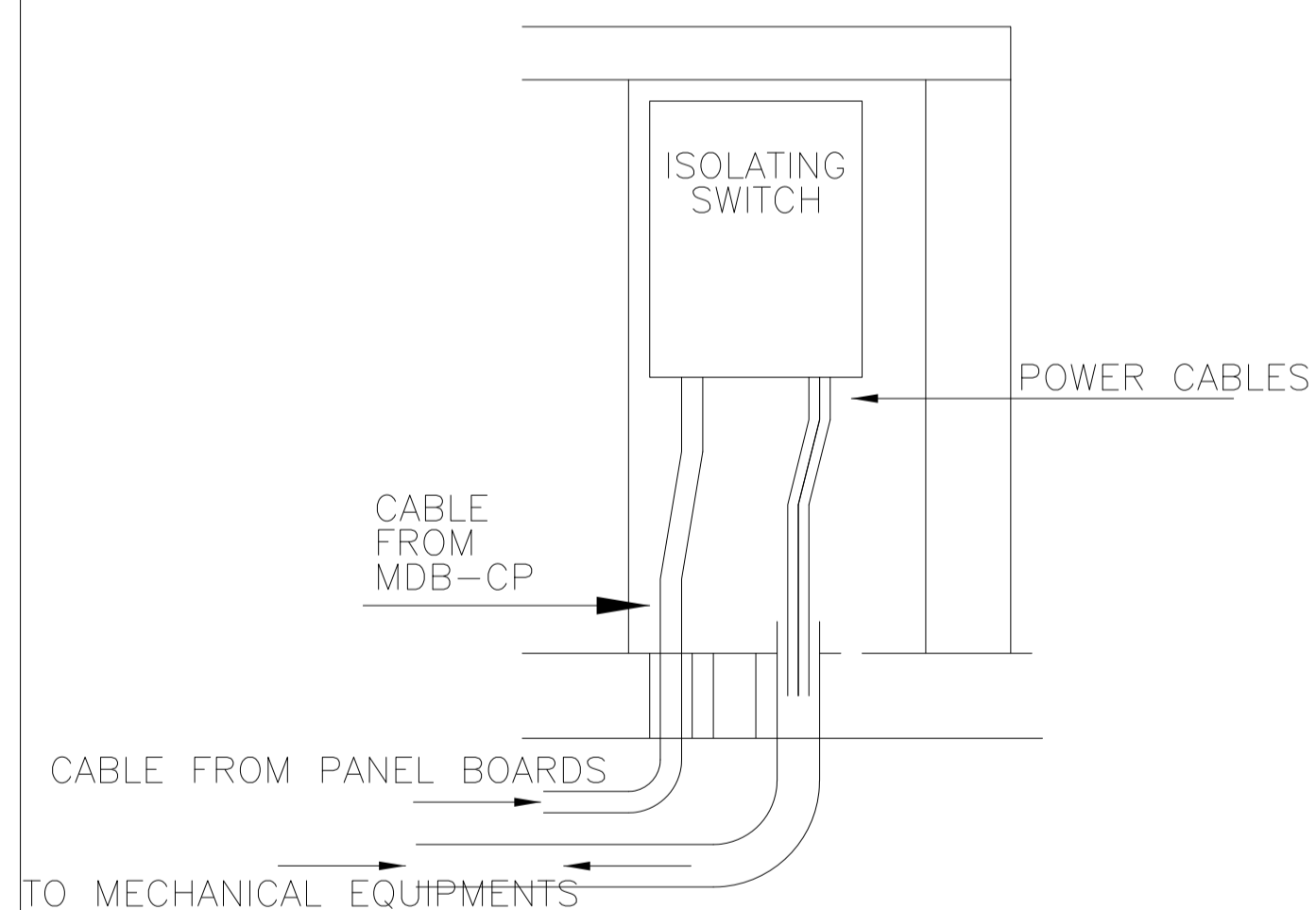
STREET LIGHTING POLE  
N.T.S.



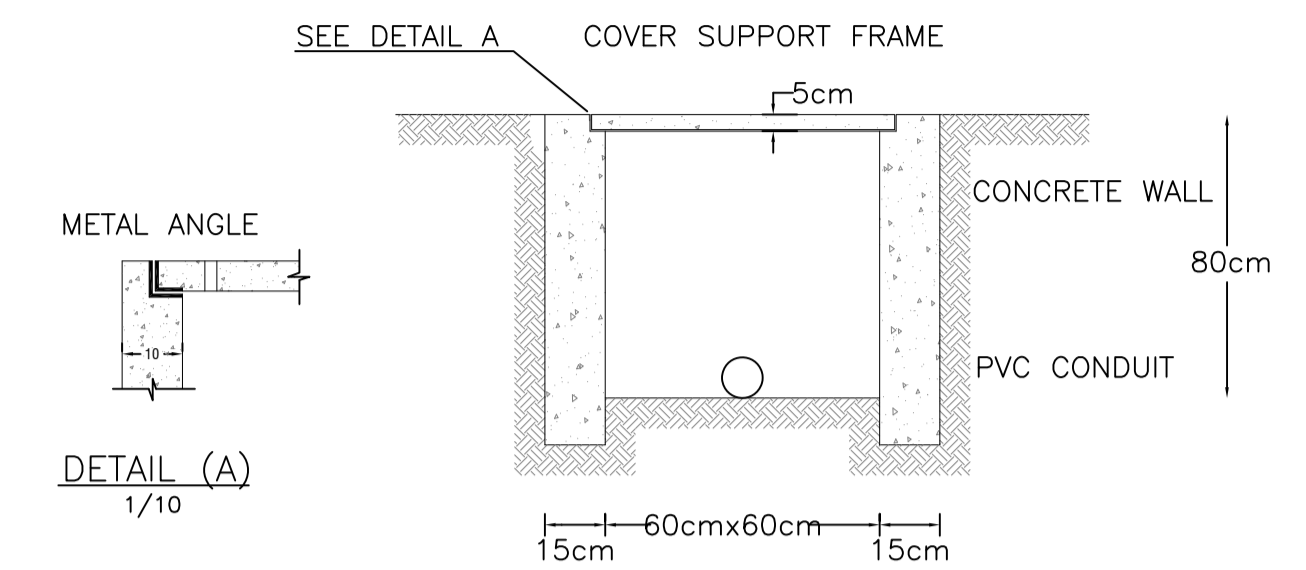
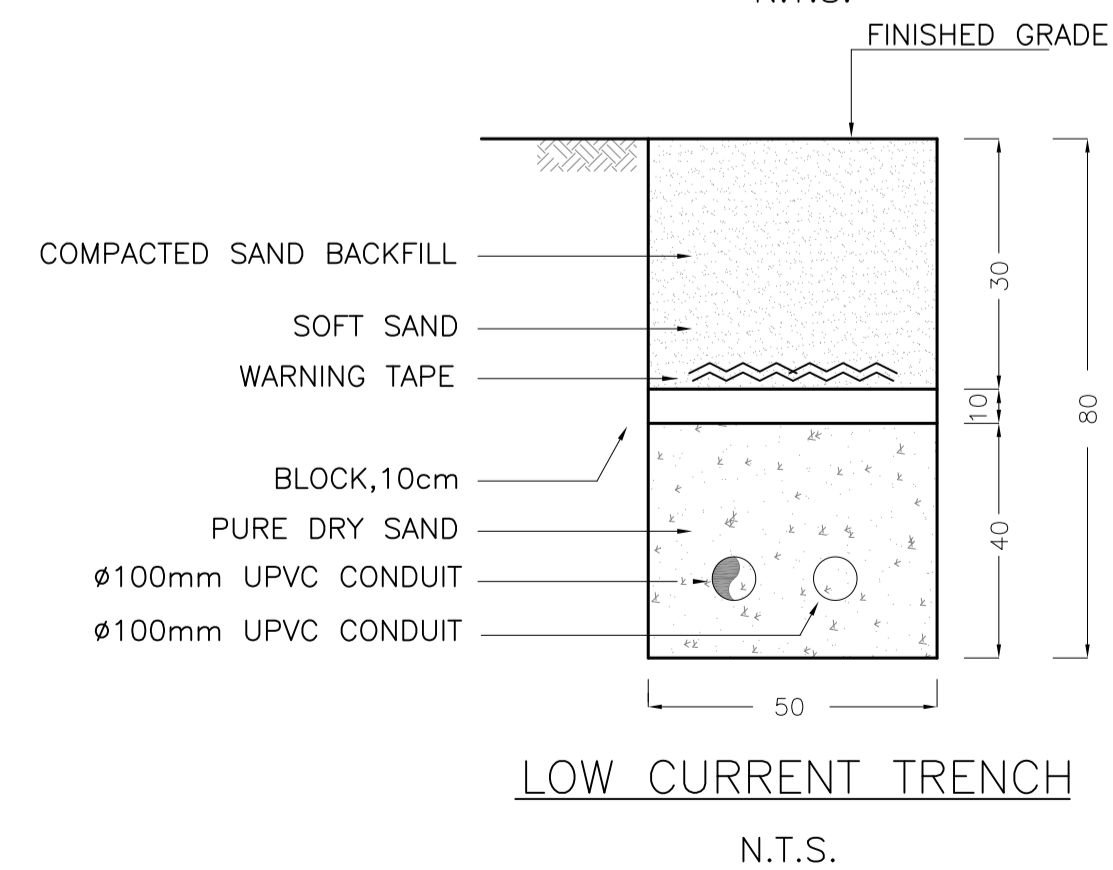
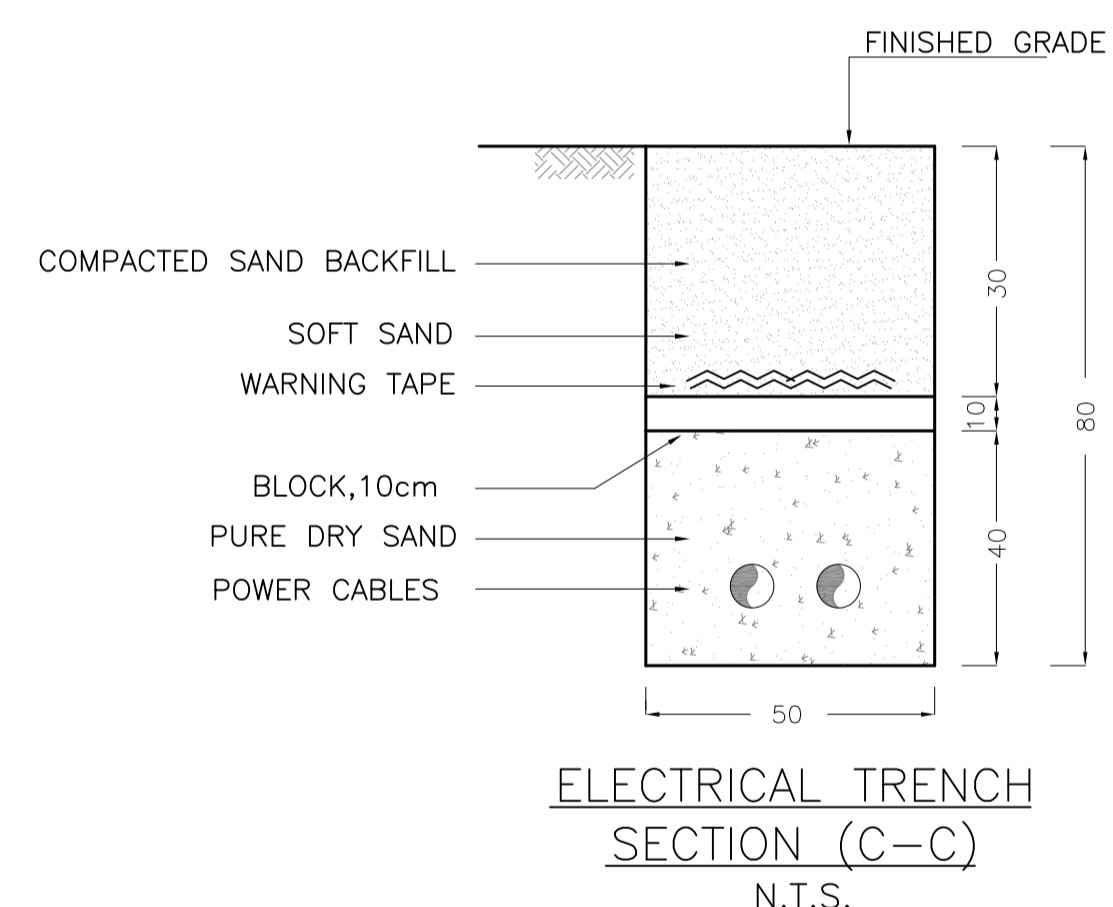
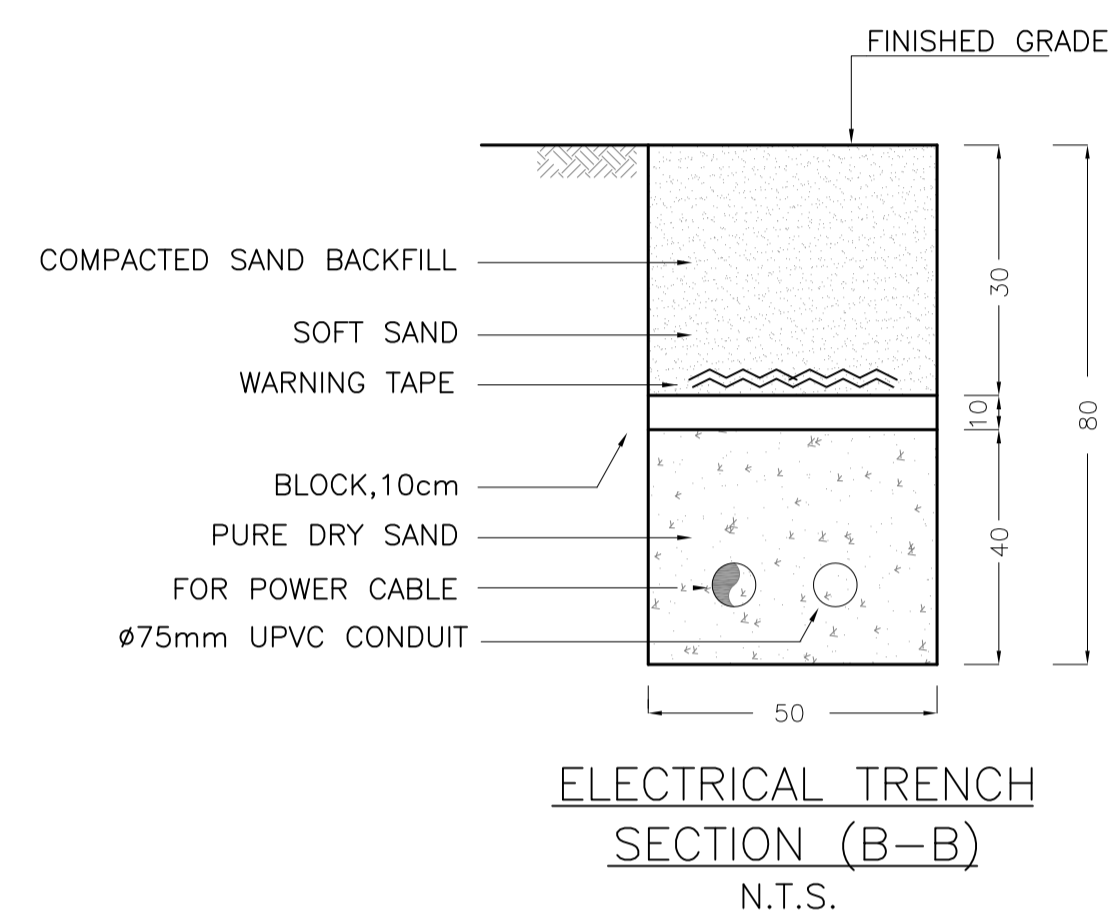
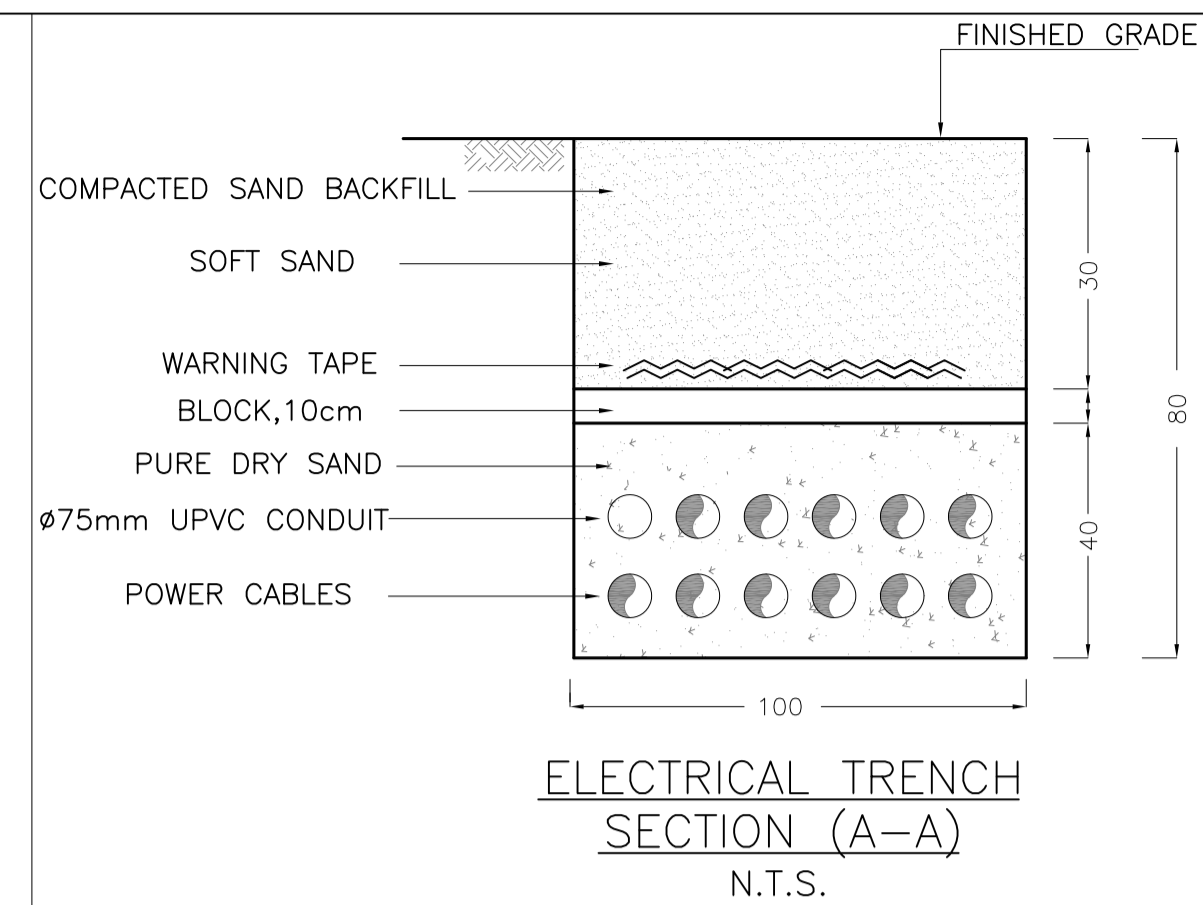
DETAIL (C)  
REINFORCED CONCRETE (R.C.) BASE  
N.T.S.



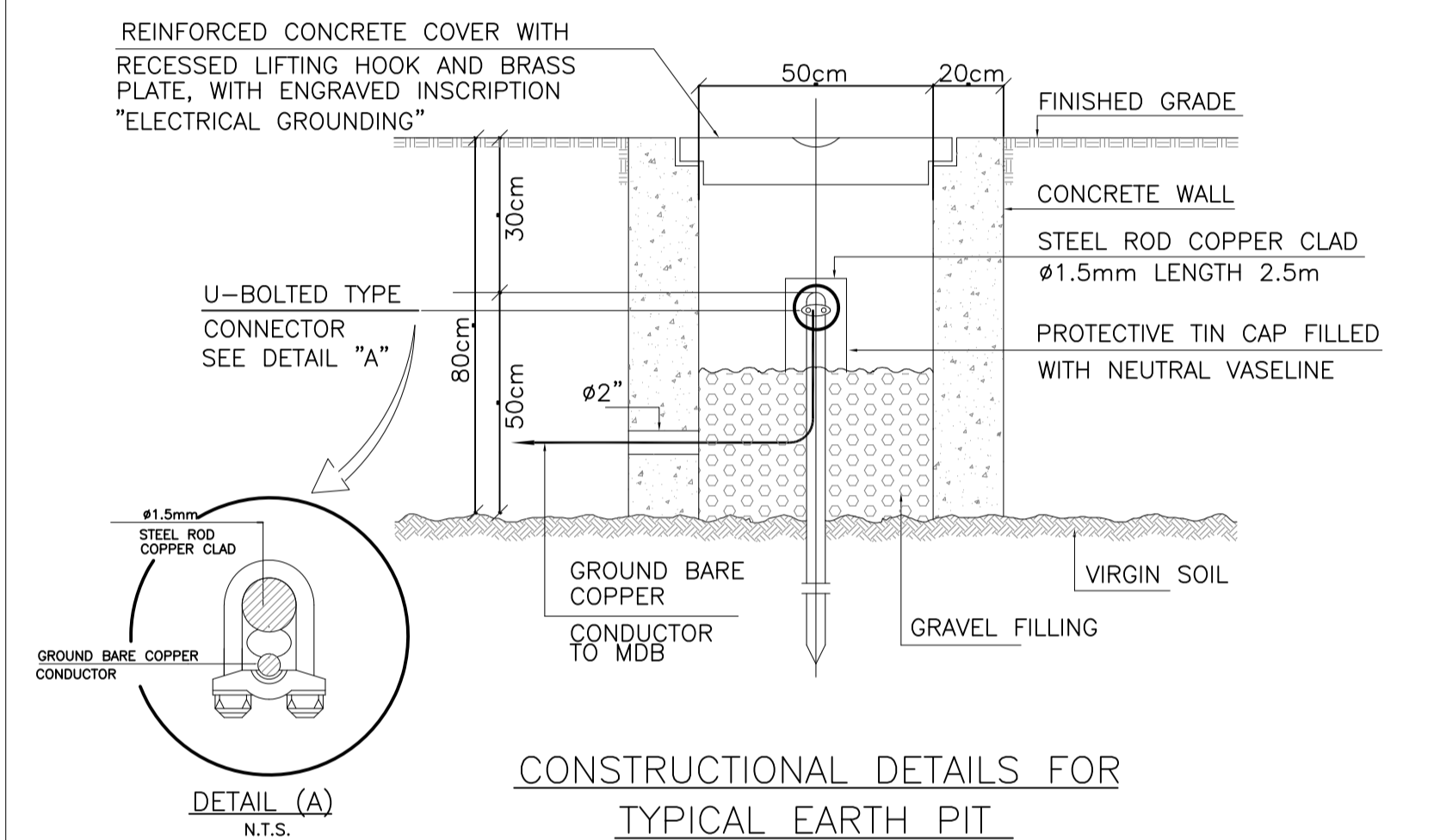
SCHEMATIC OF JUNCTION BOX  
AT BASE OF POLE  
N.T.S.



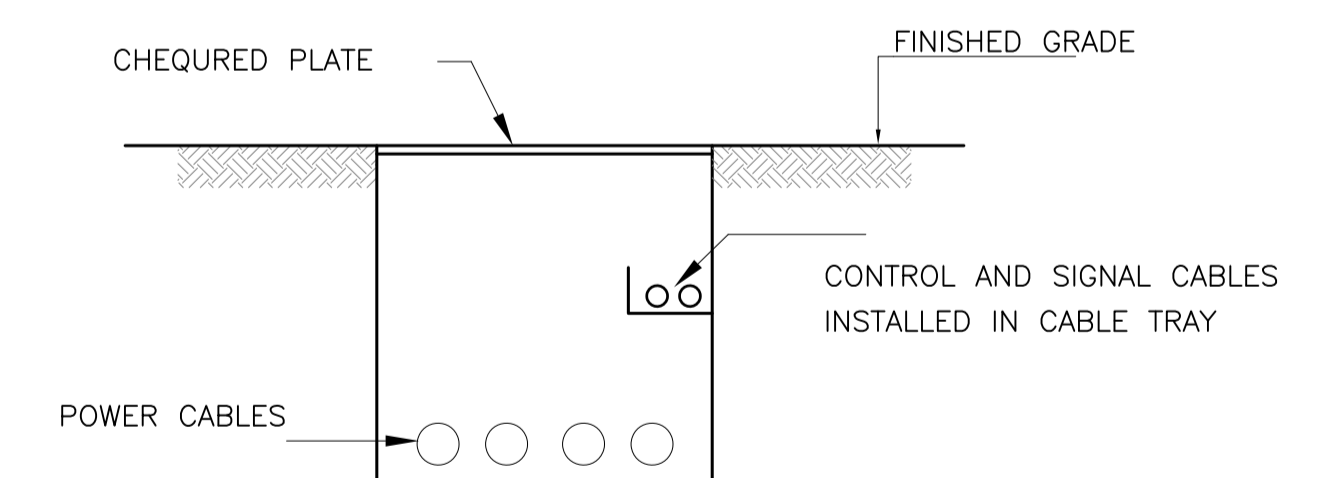
DETAILS SECTION "B"  
N.T.S.



ELECTRIC CONCRETE MANHOLE  
N.T.S.



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



CONCRETE ELECTRICAL TRENCH  
N.T.S.

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

NOTES:		



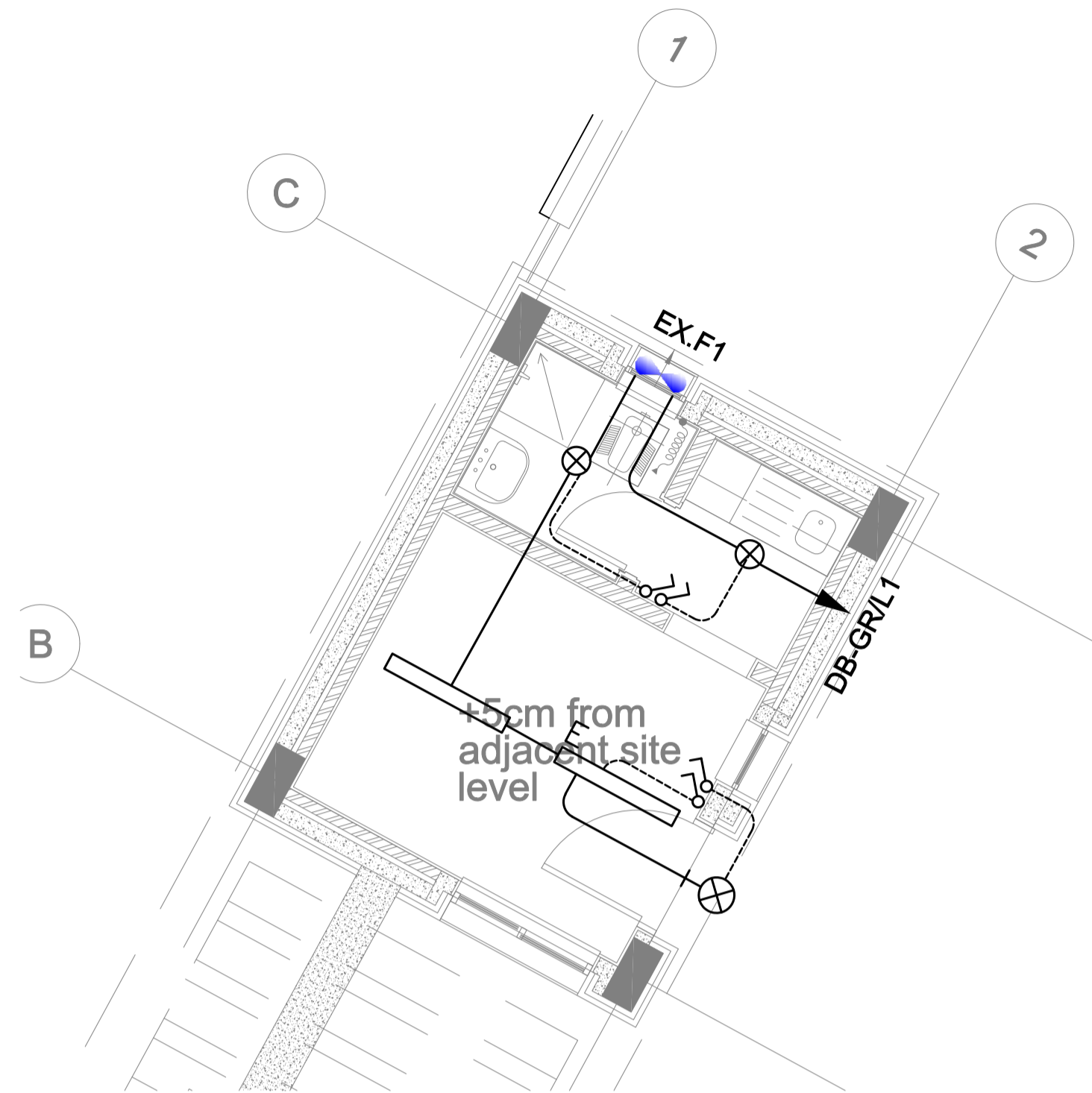
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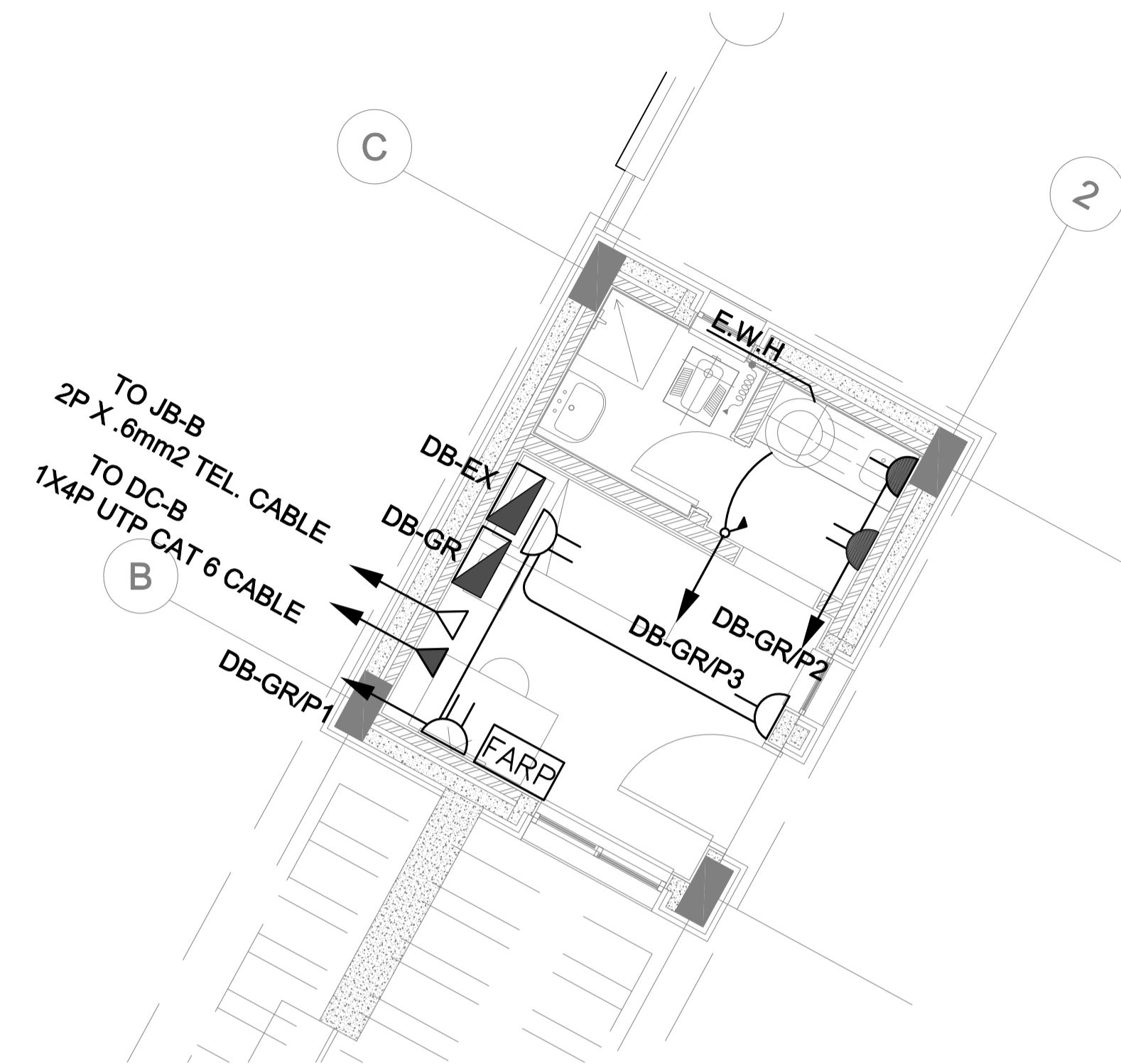
PHASE III	Thahr Al Sarow Basic School For Boys (Jerash)
PACKAGE 2	SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:		ELECTRICAL DETAILS	
Design:	M.A.	Drawn:	CAD
Checked:	K.A.H.	Date:	JUNE 2019
Approved:	W.Z.	DRAWING NUMBER:	SKEP 14-EG002
PLOT No:	435	LOCATION:	Thahr Al Sarow
BASIN NO:	4 Dair Alliat	Rev.:	0

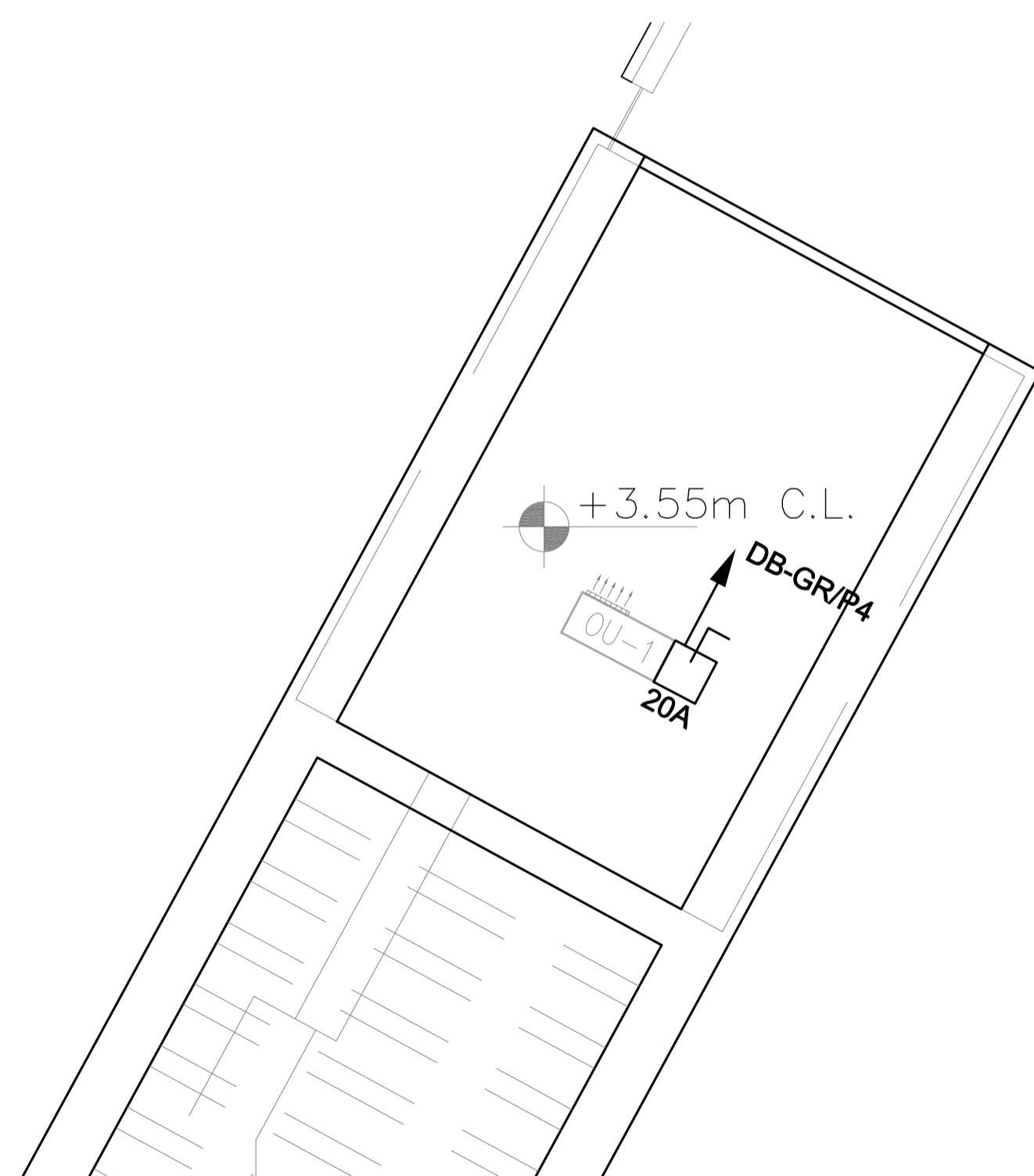
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1 GUARD ROOM LIGHTING SYSTEM LAYOUT



2 GUARD ROOM POWER, VOICE AND DATA SYSTEMS LAYOUT



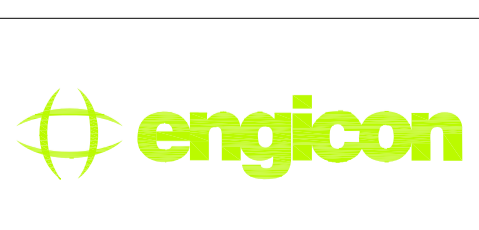
3 GUARD ROOM ROOF POWER SYSTEM LAYOUT

PANEL NAME : DB-GR		1PHASE,230v,50Hz,2W&E				
CIRCUIT NO.	Description	LOAD (W)	C.B NO.	AMP TRIP	SIZE OF WIRE (mm2)	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
	SPARE		10	10		
	SPARE		10	10		
	SPARE		10	10		
CONNECTED LOAD (W)					6990	
TOTAL CONNECTED LOAD(KW)					6.99	
DEMAND FACTOR					0.8	
TOTAL DEMAND LOAD(KW)					5.59	
DESIGN CURRENT					28.59	
BREAKER SIZE					32A MCCB	
CABLE SIZE					(3X10)mm2 CU/XLPE/PVC	
FED FROM					MDB	
Type					FLUSH MOUNTED	
PANEL LOCATION					GUARD ROOM	

4 DB-GR DISTRIBUTION BOARD SCHEDULE

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

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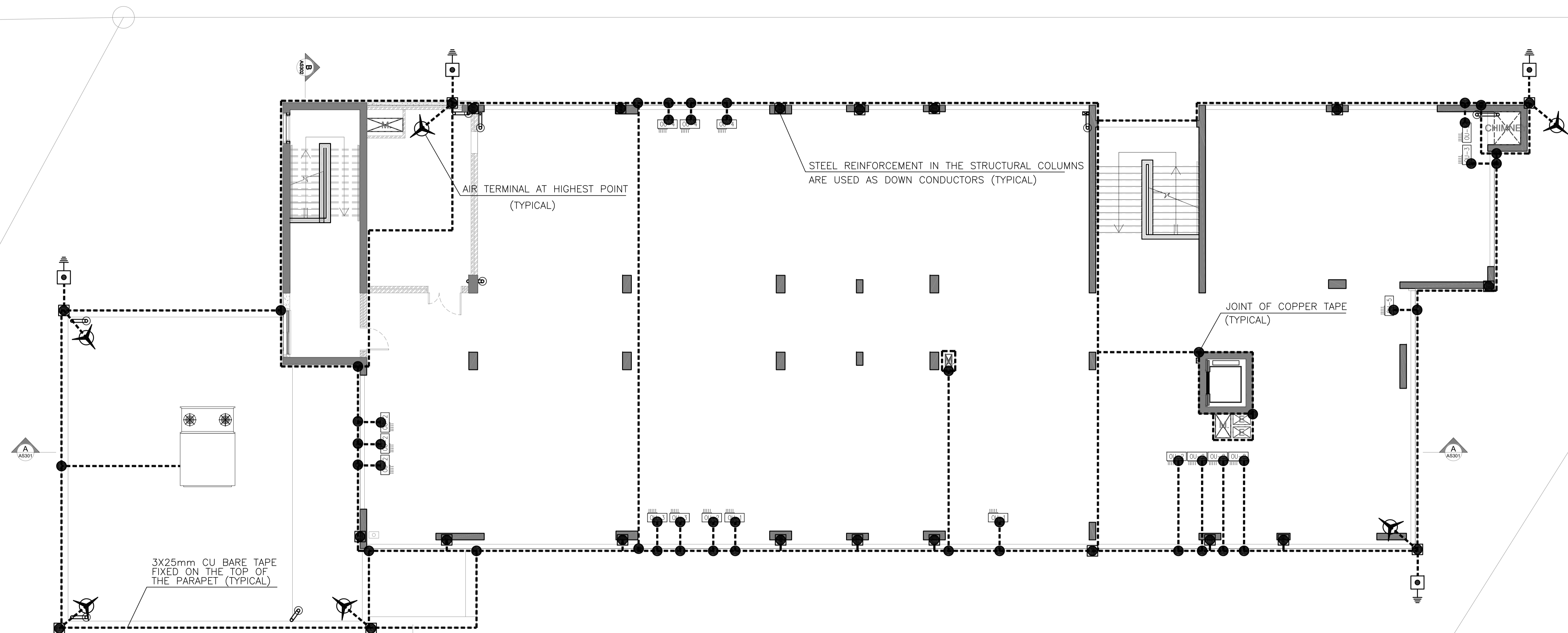


PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys (Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:  
GUARD ROOM  
PLOT No 435  
LOCATION Thahr Al Sarow  
BASIN NO 4 Dair Alliat

Design: M.A.  
Drawn: CAD  
Checked: K.A.H.  
Date: JUNE 2019  
Approved: W.Z.  
SCALE: 1:50  
DRAWING NUMBER: SKEP 14-EG003  
Rev.: 0

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مكتب رقم - ٥



-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.

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

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

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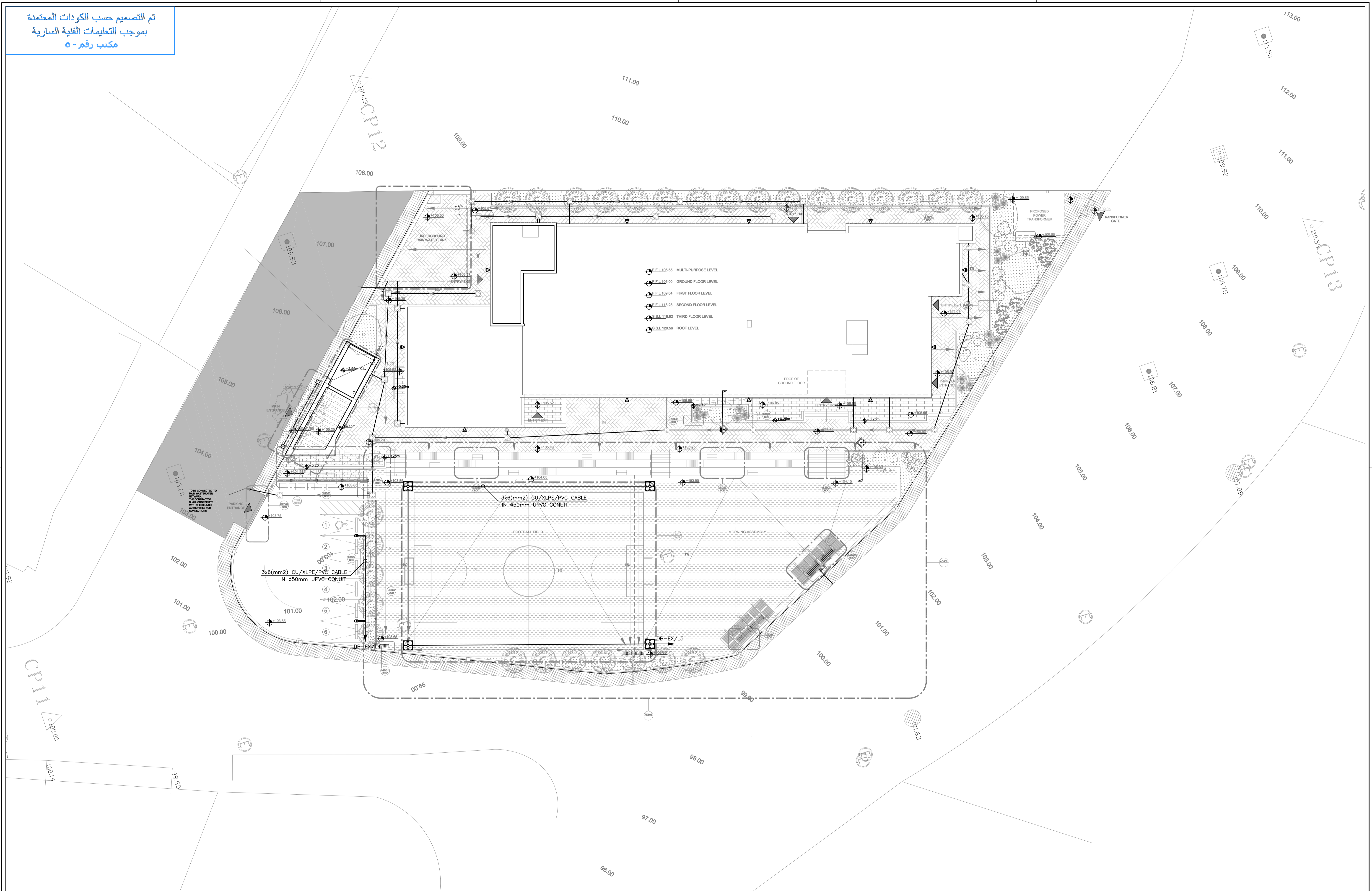


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DRAWING NAME:  
**LIGHTNING PLAN**  
PLOT No 435  
LOCATION Thahr Al Sarow  
BASIN NO 4 Dair Alliat

Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100	Date: JUNE 2019	Approved: W.Z.	
DRAWING NUMBER: SKEP 14-EG-004			Rev.: 0

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مكتب رقم - ٥



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

NOTES:



PHASE III  
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DRAWING NAME:  
**SITE LIGHTING PLAN**

Design: M.A.  
Scale: 1:200  
Date: JUNE 2019

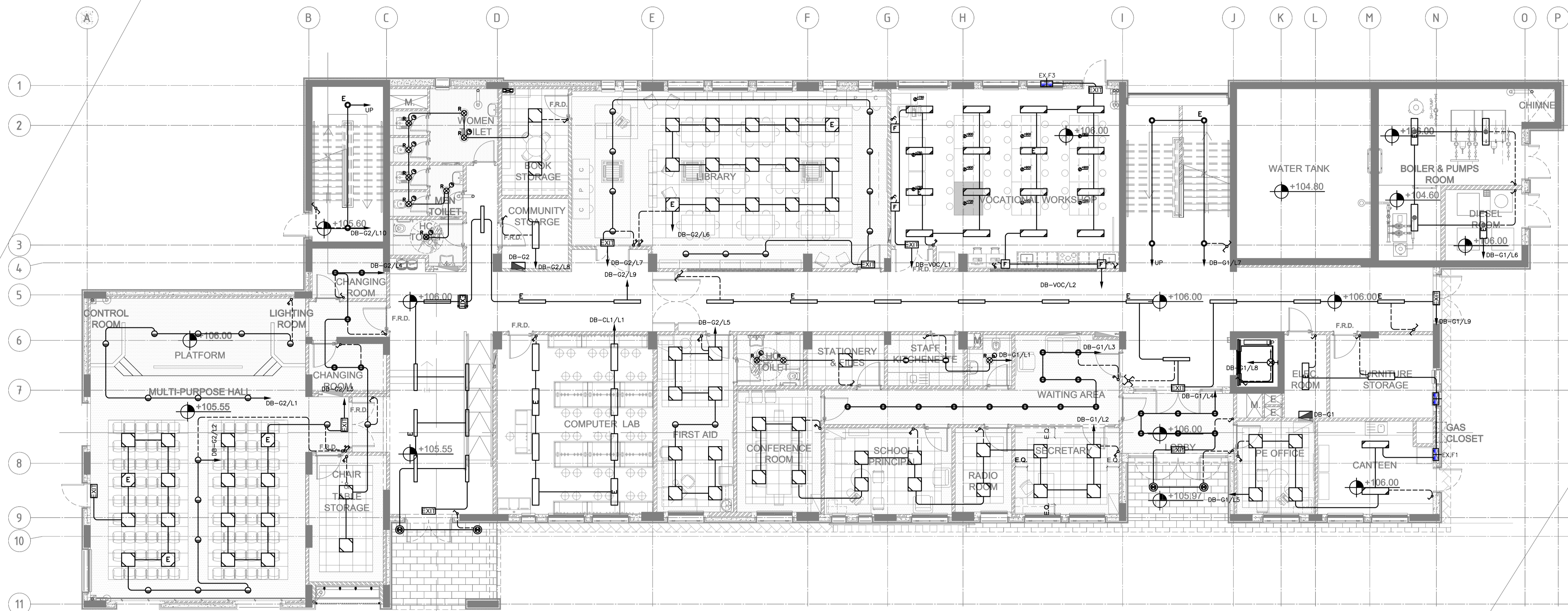
Drawn: CAD  
Date: JUNE 2019

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

DRAWING NUMBER:  
**SKEP 14-EL100**

Plot No	Location	Basin No	Rev.
435	Thahr Al Sarow	4 Dair Alliat	0

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مكتب رقم - ٥



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0	JUNE 2019	VOL. IV - TENDER DRAWINGS

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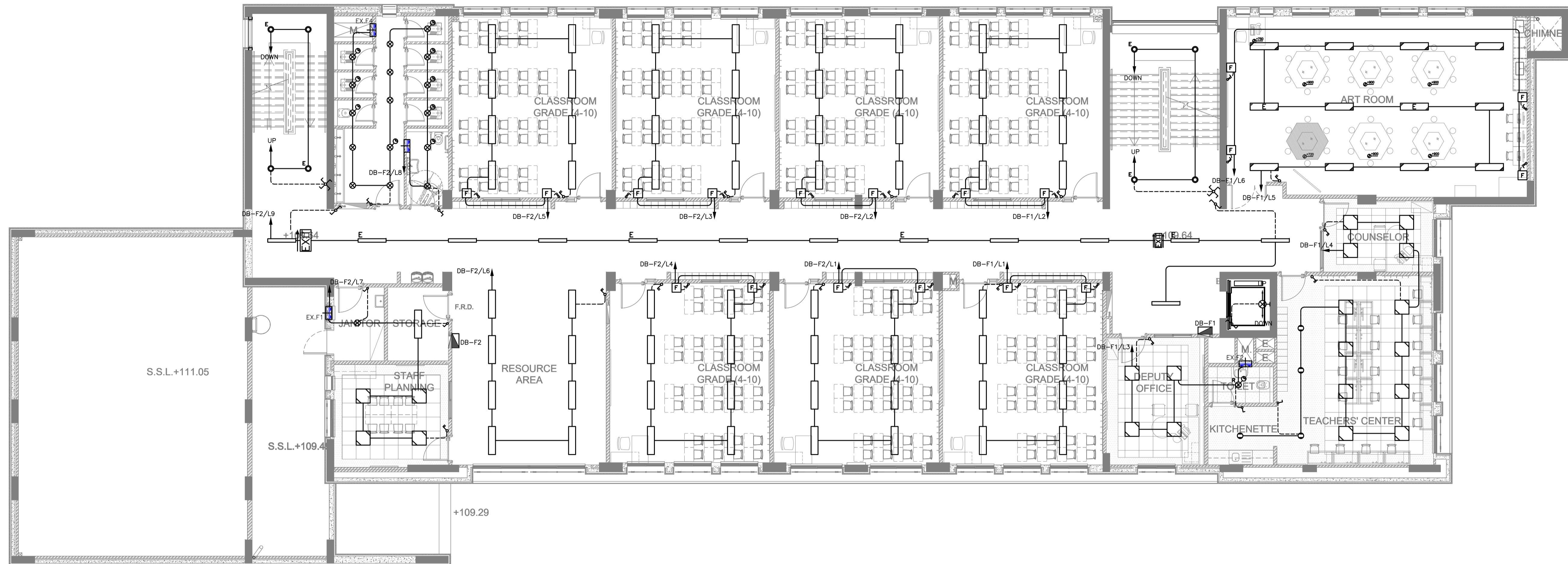
PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys (Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:  
**GROUND FLOOR PLAN LIGHTING PLAN**  
PLOT No 435  
LOCATION Thahr Al Sarow  
BASIN NO 4 Dair Alliat

Design: M.A.  
Scale: 1:100  
Date: JUNE 2019  
Drawing Number: **SKEP 14-EL101**

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

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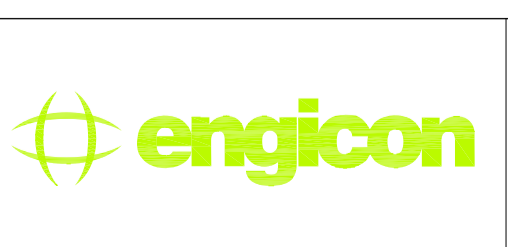


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0	JUNE 2019	VOL. IV - TENDER DRAWINGS



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PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

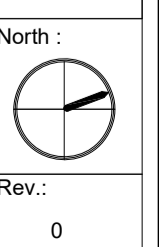
DRAWING NAME:  
**FIRST FLOOR PLAN  
LIGHTING PLAN**

DESIGN: M.A.  
SCALE: 1:100  
DRAWING NUMBER: 435

LOCATION: Thahr Al Sarow  
BASIN NO: 4 Dair Alliat

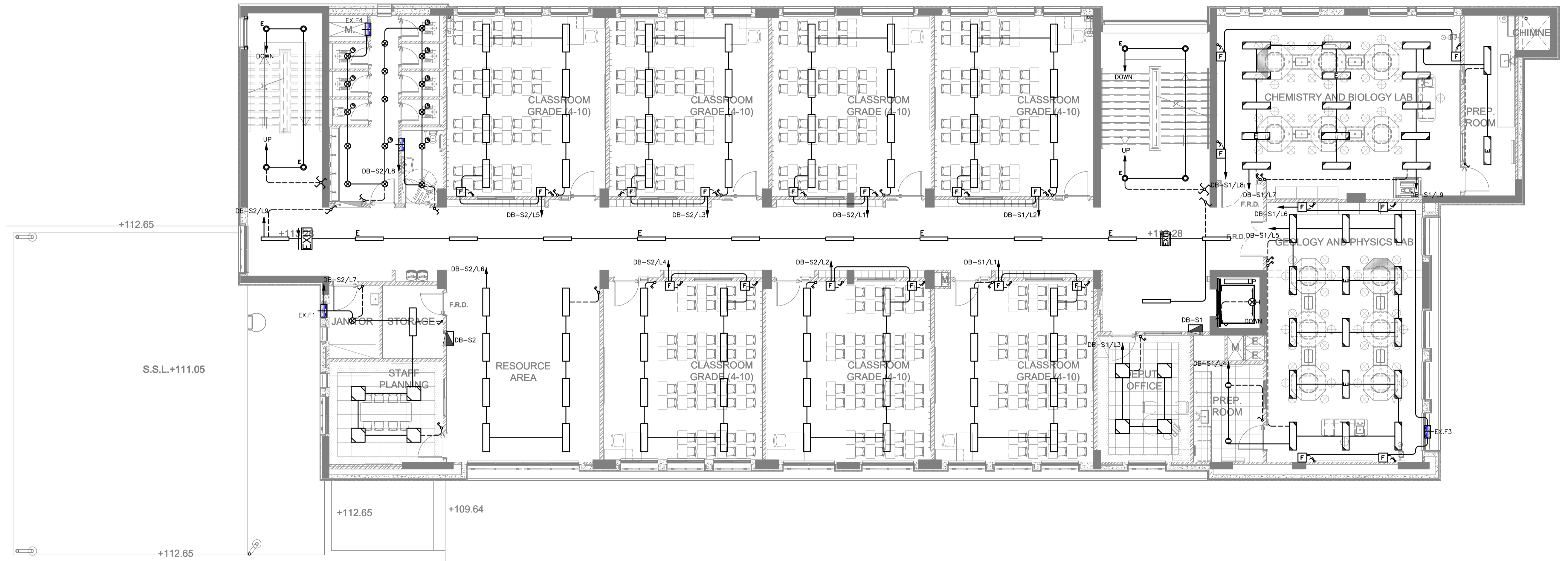
Design: M.A.  
Date: JUNE 2019  
DRAWING NUMBER: **SKEP 14-EL102**

Drawn: CAD  
Date: JUNE 2019  
Checked: K.A.H.  
Approved: W.Z.



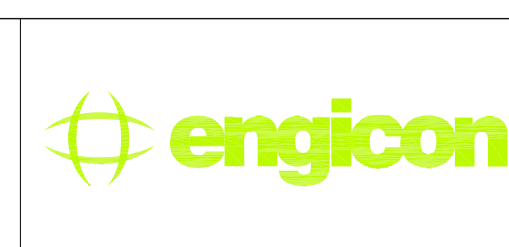
Rev.: 0

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بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



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0	JUNE 2019	VOL. IV - TENDER DRAWINGS

NOTES:



PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME:  
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LIGHTING PLAN**

DESIGN: M.A.  
SCALE: 1:100

DATE: JUNE 2019

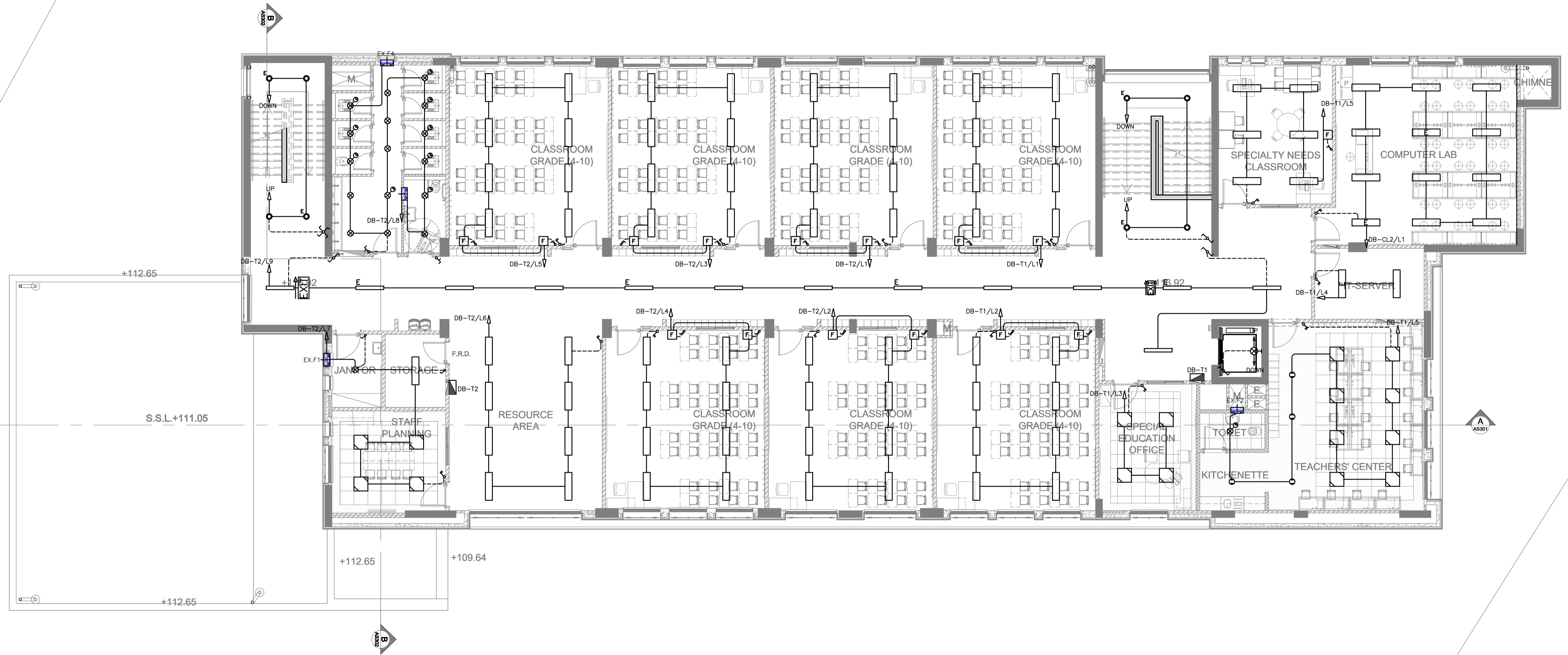
DRAWING NUMBER:  
**SKEP 14-EL103**

Design:	Drawn:	Checked:	North:
M.A.	CAD	K.A.H.	
Date:	Approved:	W.Z.	
DATE:	JUNE 2019		Rev.: 0

Rev.: 0



تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



NOTES:

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



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FROM THE AMERICAN PEOPLE



PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

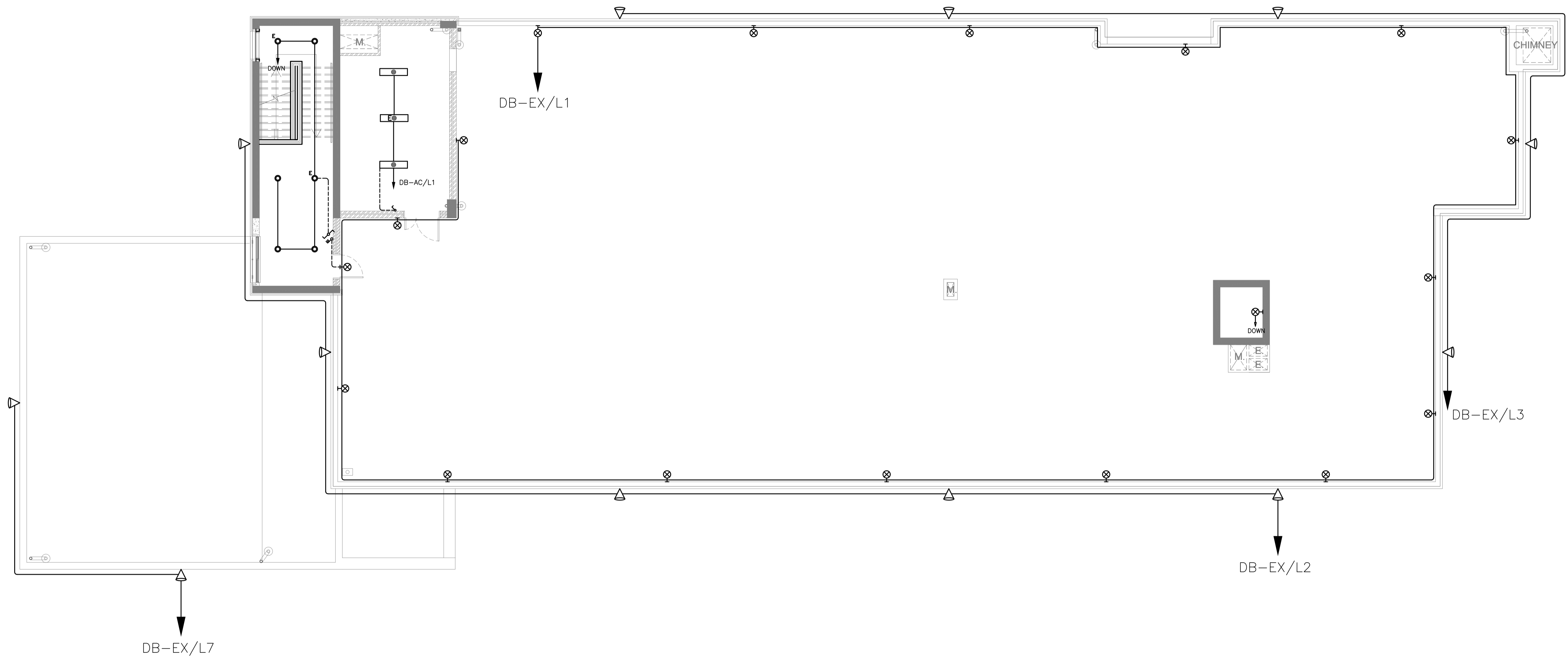
DRAWING NAME:  
**THIRD FLOOR PLAN  
LIGHTING PLAN**

PLOT No 435 LOCATION Thahr Al Sarow BASIN NO 4 Dair Allait

Design: M.A. Drawn: CAD Checked: K.A.H. Approved: W.Z.  
Date: JUNE 2019  
DRAWING NUMBER: **SKEP 14-EL104**

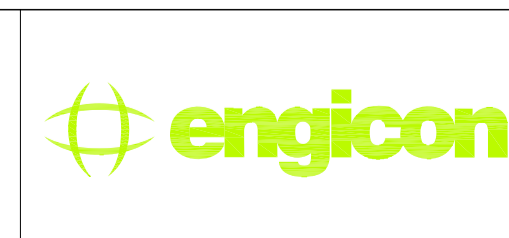
North:   
Rev.: 0

تم التصميم حسب الكودات المعتمدة  
 بموجب التعليمات الفنية السارية  
 مكتب رقم - ٥



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

NOTES:

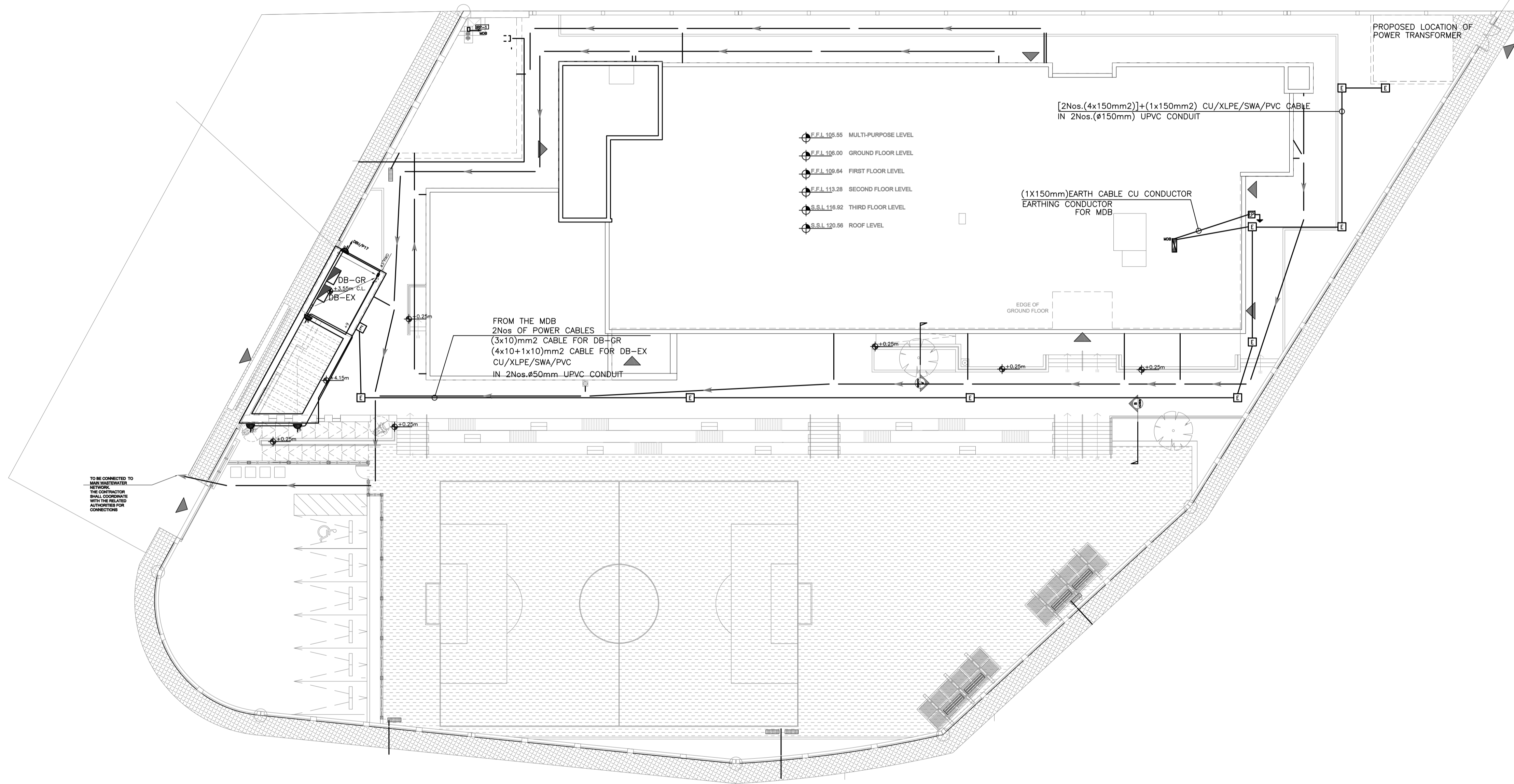


PHASE III  
 PACKAGE 2

Thahr Al Sarow Basic School For Boys  
 (Jerash)  
 SCHOOLS FOR A KNOWLEDGE ECONOMY  
 PROJECT (USAID SKEP)

DRAWING NAME:  
**ROOF FLOOR PLAN  
 LIGHTING PLAN**  
 Design: M.A. Drawn: CAD Checked: K.A.H.  
 SCALE: 1:100 Date: JUNE 2019 Approved: W.Z.  
 DRAWING NUMBER:  
**SKEP 14-EL105**

Plot No 435	LOCATION Thahr Al Sarow	BASIN NO 4 Dair Alliat	Rev.: 0
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TO BE CONNECTED TO MAIN DISTRIBUTION NETWORK. THE CONTRACTOR SHALL COORDINATE WITH THE RELATED AUTHORITIES FOR CONNECTIONS.

100.92

100.14

99.95

NOTES:

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



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PHASE III  
PACKAGE 2

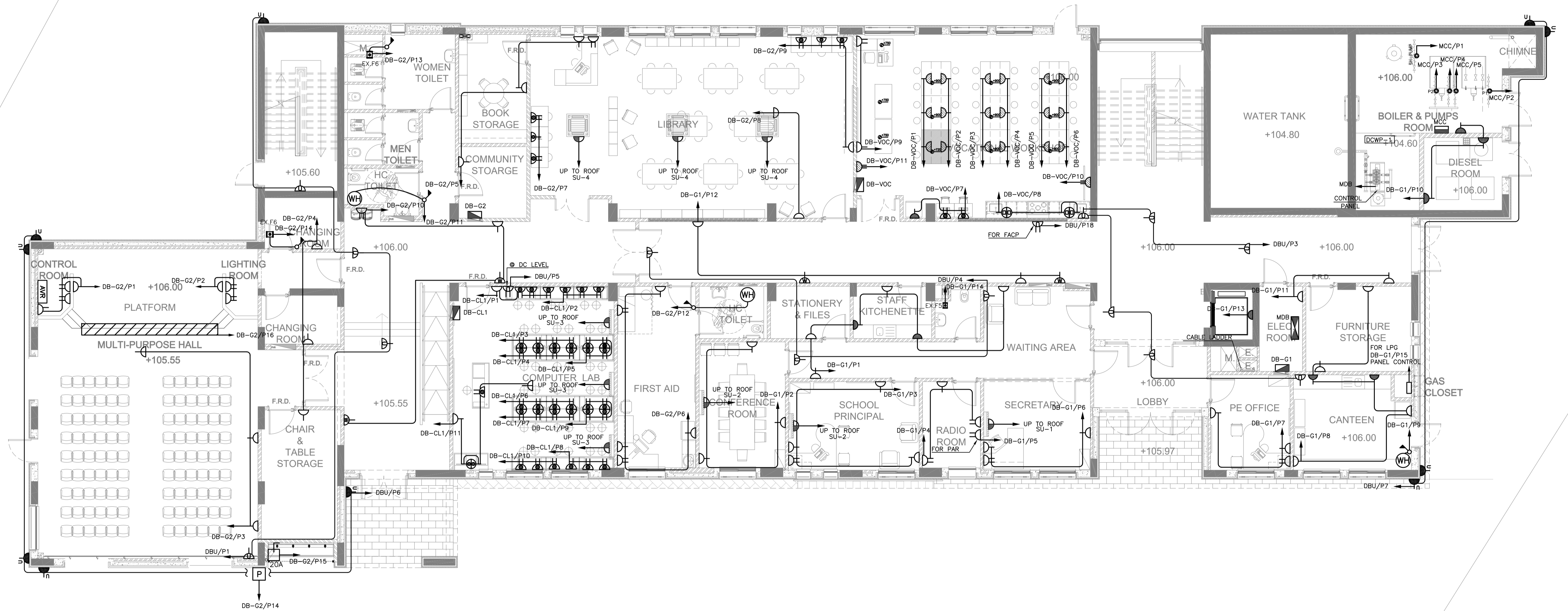
Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME: <b>SITE POWER PLAN</b>		
DESIGN: M.A.	DRAWN: CAD	CHECKED: K.A.H.
SCALE: 1:200	DATE: JUNE 2019	APPROVED: W.Z.
PLOT No: 435	LOCATION: Thahr Al Sarow	BASIN NO: 4 Dair Allat

DRAWING NUMBER: <b>SKEP 14-EP100</b>	
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North:
Rev.: 0

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



NOTES:

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



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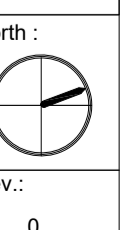
PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME:  
**GROUND FLOOR PLAN  
POWER PLAN**

Design: M.A.  
SCALE: 1:100  
DRAWING NUMBER: **SKEP 14-EP101**

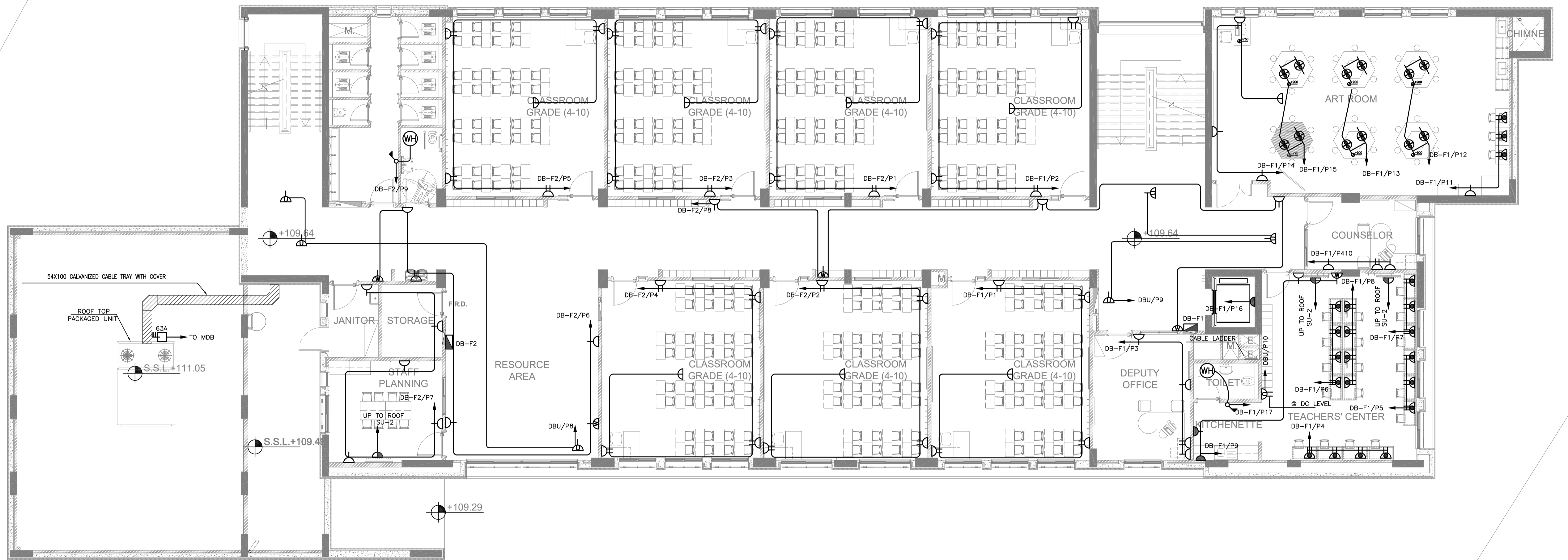
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Date: JUNE 2019  
Checked: K.A.H.  
Approved: W.Z.



Rev.: 0

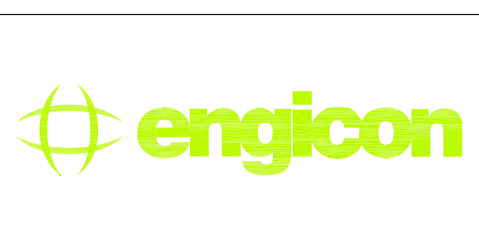
LOCATION: Thahr Al Sarow  
BASIN NO: 4 Dair Allait

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



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

NOTES:



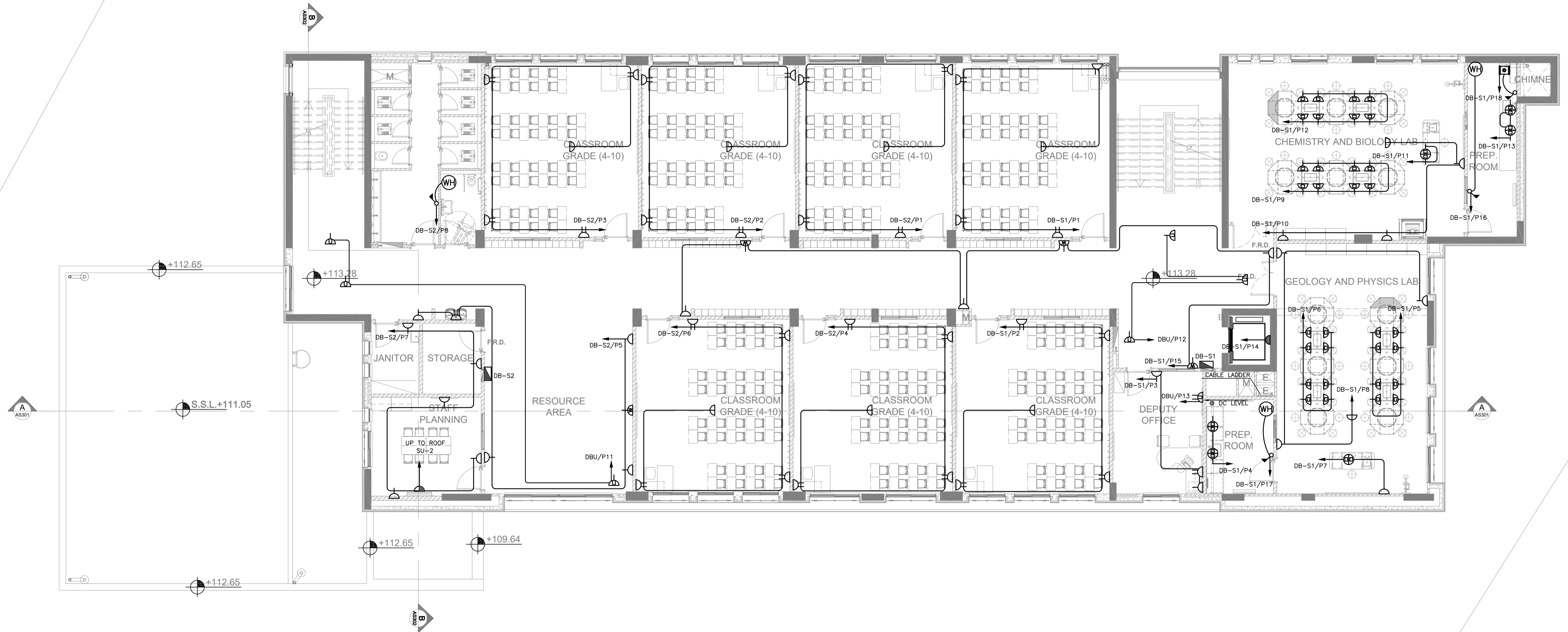
PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys (Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:  
**FIRST FLOOR PLAN  
POWER PLAN**

PLOT No 435 LOCATION Thahr Al Sarow BASIN NO 4 Dair Alliat

Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100	Date: JUNE 2019	Approved: W.Z.	
DRAWING NUMBER: <b>SKEP 14-EP102</b>			Rev.: 0

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



NOTES:

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



**USAID**  
FROM THE AMERICAN PEOPLE



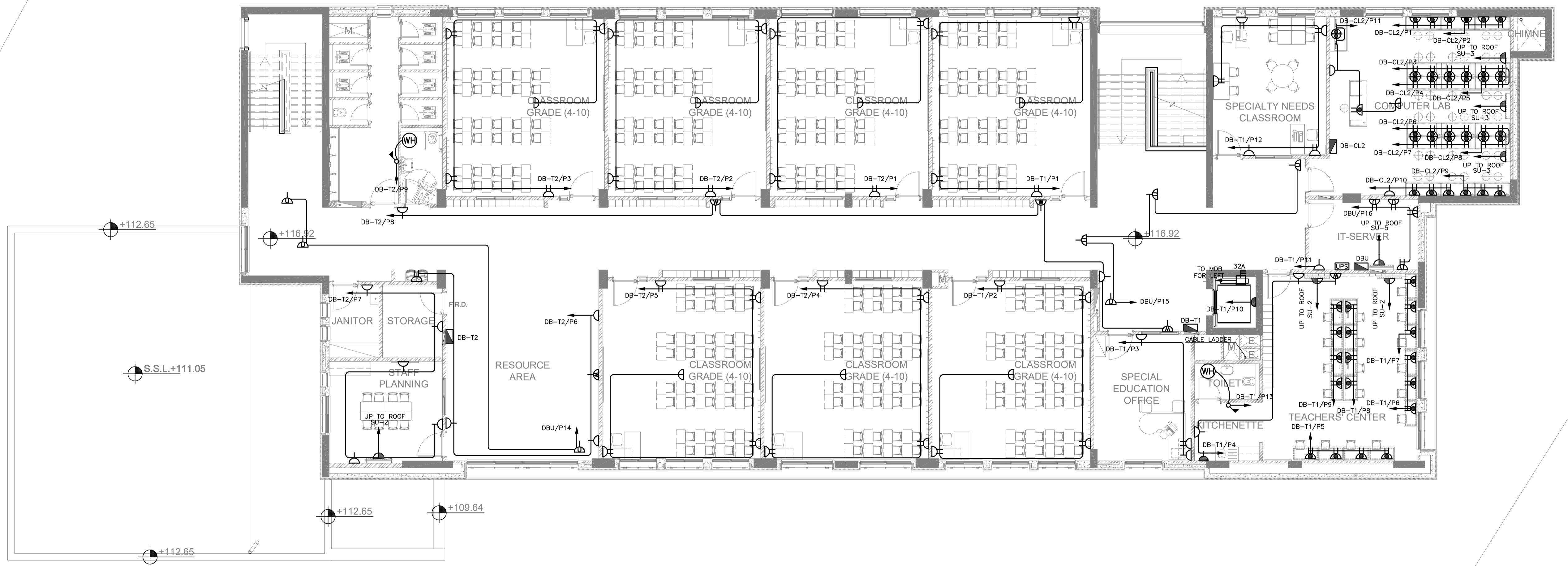
PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME:		
SECOND FLOOR PLAN POWER PLAN		
DESIGN:	DRAWN:	CHECKED:
M.A.	CAD	K.A.H.
SCALE:	DATE:	APPROVED:
1:100	JUNE 2019	W.Z.
DRAWING NUMBER:	SKEP 14-EP103	
PLOT No	LOCATION	BASIN NO
435	Thahr Al Sarow	4 Dair Alliat

Design:	Drawn:	Checked:	North:
M.A.	CAD	K.A.H.	
SCALE:	DATE:	APPROVED:	
1:100	JUNE 2019	W.Z.	Rev.:
DRAWING NUMBER:	SKEP 14-EP103		0

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



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

NOTES:



PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys (Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:  
**THIRD FLOOR PLAN  
POWER PLAN**

Design: M.A.  
Scale: 1:100  
Date: JUNE 2019

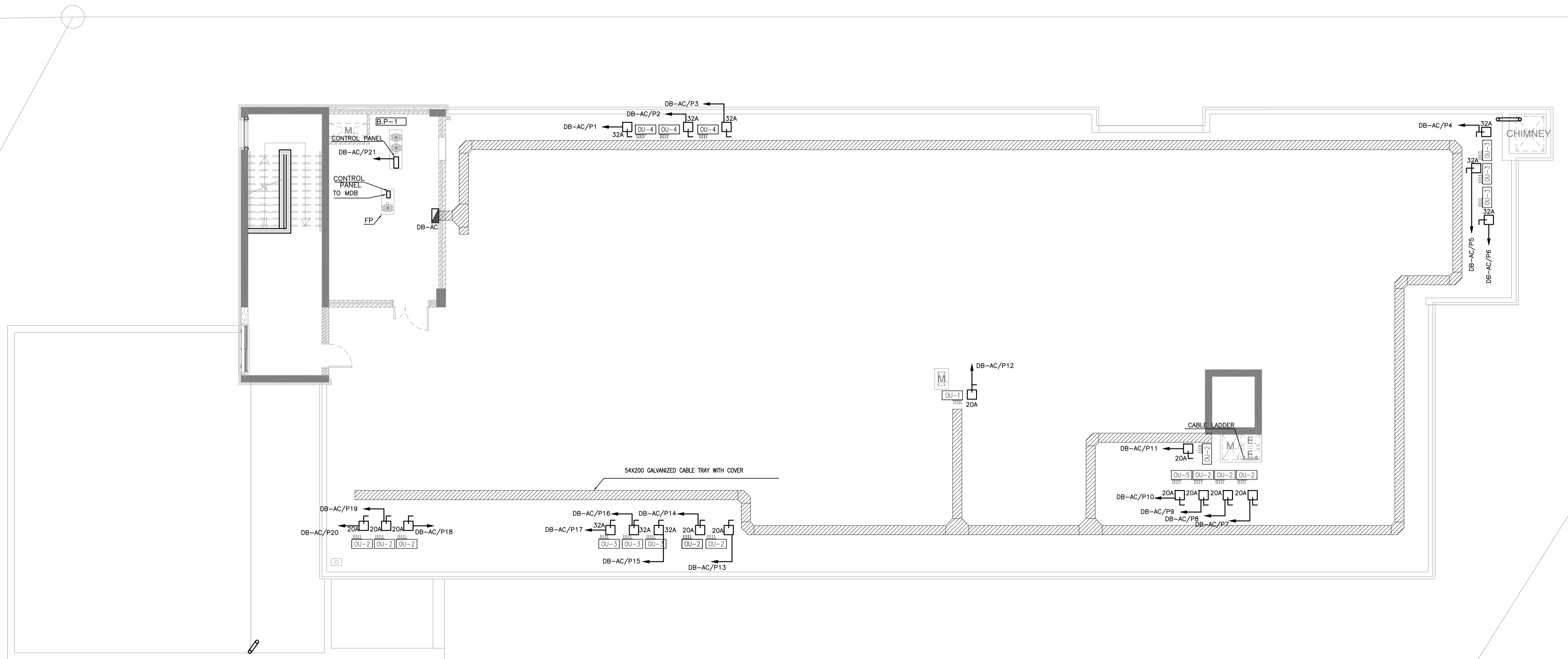
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DRAWING NUMBER:  
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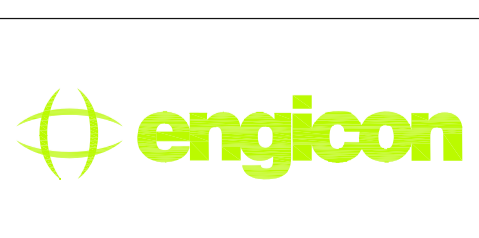
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M.A.	CAD	K.A.H.	
Scale:	Date:	Approved:	
1:100	JUNE 2019	W.Z.	
Drawing Number:	Rev.:		
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تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



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

NOTES:



PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys (Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

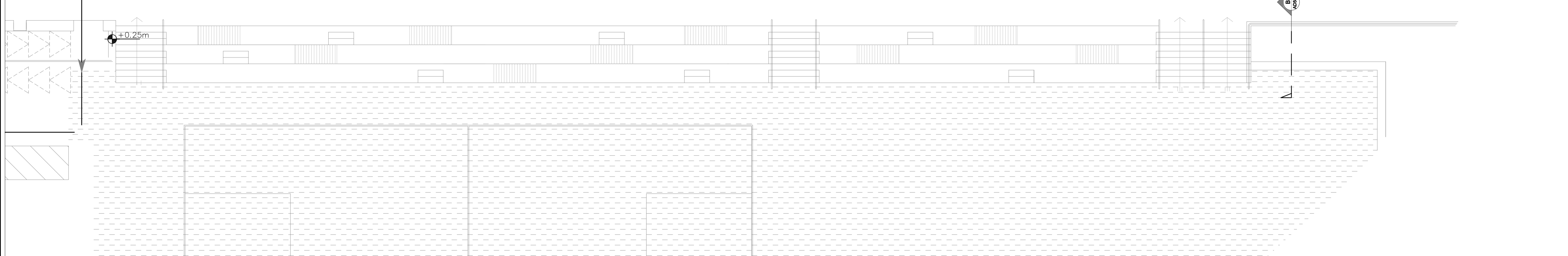
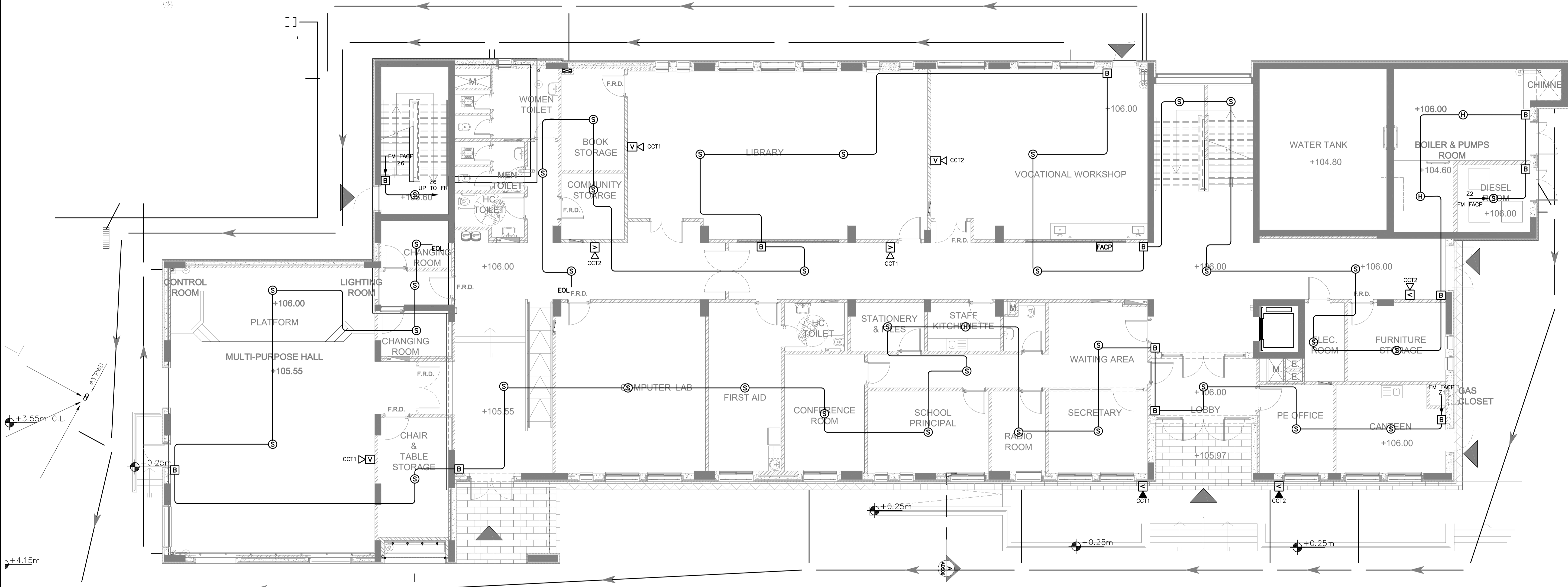
DRAWING NAME:  
**ROOF FLOOR PLAN POWER PLAN**

PLOT No: 435  
LOCATION: Thahr Al Sarow  
BASIN NO: 4 Dair Alliat

Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100	Date: JUNE 2019	Approved: W.Z.	
DRAWING NUMBER: SKEP 14-EP105			Rev.: 0



تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



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

NOTES:



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FROM THE AMERICAN PEOPLE



PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME:  
**GROUND FLOOR PLAN  
FIRE PLAN**

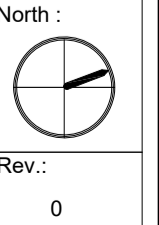
DESIGN: M.A.  
SCALE: 1:100

PLT No: 435  
LOCATION: Thahr Al Sarow  
BASIN NO: 4 Dair Allait

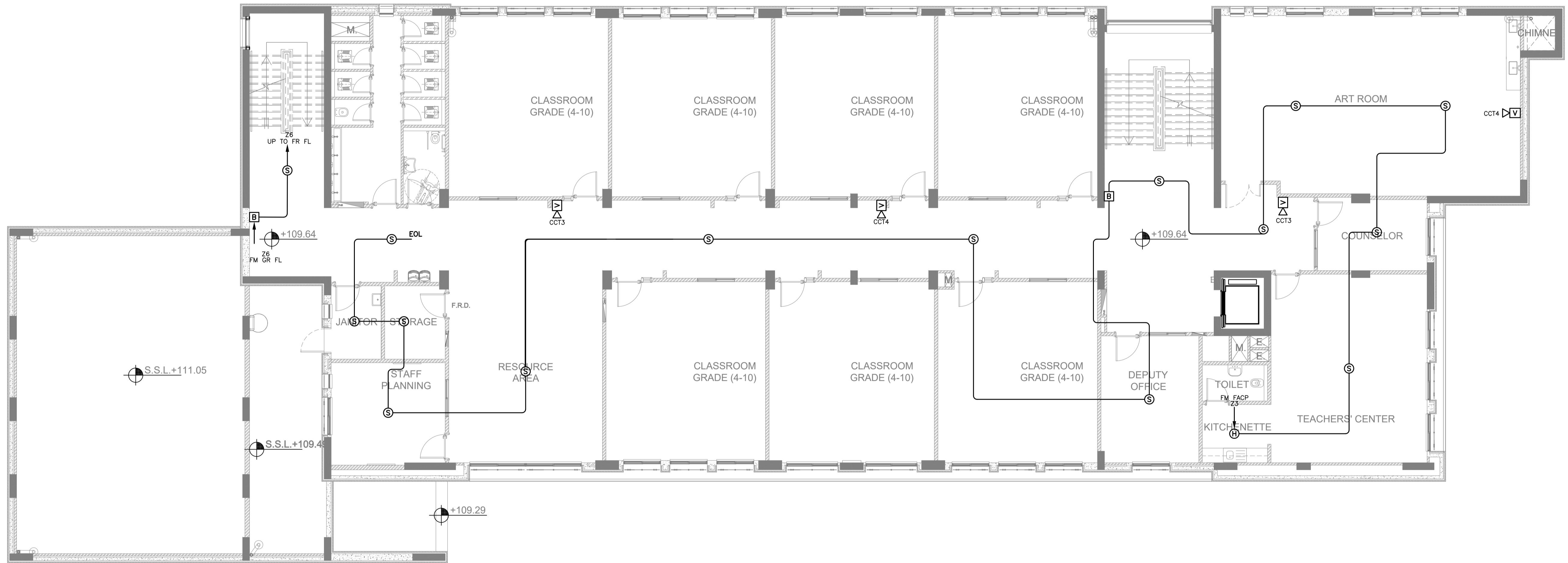
Design: M.A.  
Date: JUNE 2019  
Drawing Number: **SKEP 14-FA101**

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

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



تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



NOTES:

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



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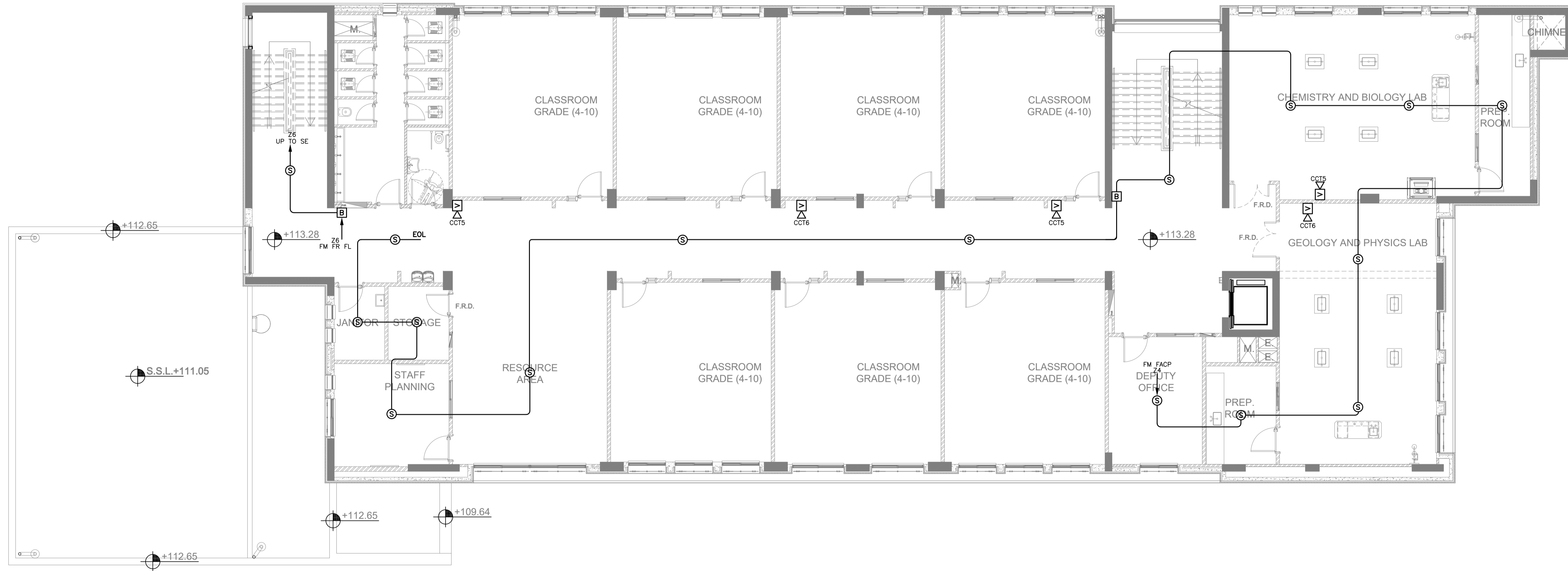
PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME: <b>FIRST FLOOR PLAN FIRE PLAN</b>		
DESIGN:	DRAWN:	CHECKED:
M.A.	CAD	K.A.H.
SCALE:	DATE:	APPROVED:
1:100	JUNE 2019	W.Z.
PLOT No	LOCATION	BASIN NO
435	Thahr Al Sarow	4 Dair Allat

DESIGN:	DRAWN:	CHECKED:	North :
M.A.	CAD	K.A.H.	
SCALE:	DATE:	APPROVED:	Rev.: 0
1:100	JUNE 2019	W.Z.	
DRAWING NUMBER:			SKFP 14-FA102
435			

تم التصميم حسب الكودات المعتمدة  
 بموجب التعليمات الفنية السارية  
 مكتب رقم - ٥



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

NOTES:



PHASE III  
 PACKAGE 2

Thahr Al Sarow Basic School For Boys  
 (Jerash)  
 SCHOOLS FOR A KNOWLEDGE ECONOMY  
 PROJECT (USAID SKEP)

DRAWING NAME:  
**SECOND FLOOR PLAN  
 FIRE PLAN**

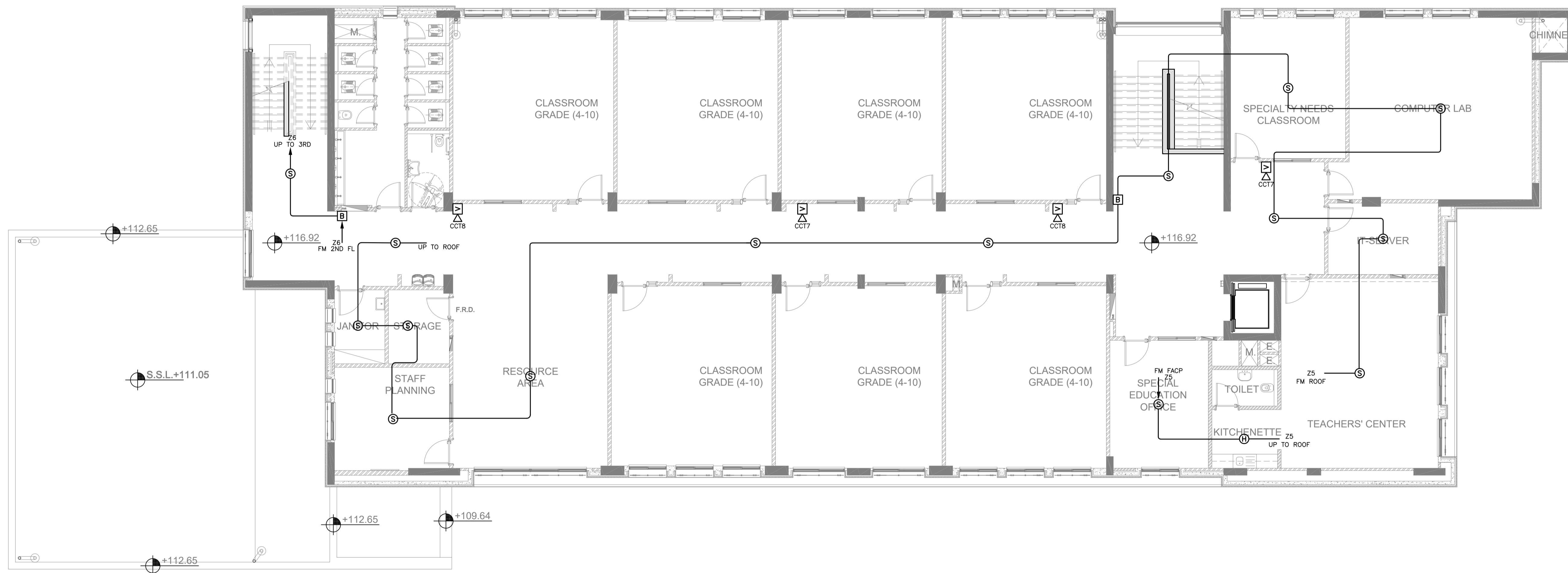
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 CHECKED: K.A.H.  
 SCALE: 1:100  
 DATE: JUNE 2019  
 APPROVED: W.Z.

PLOT No: 435  
 LOCATION: Thahr Al Sarow  
 BASIN NO: 4 Dair Alliat

DRAWING NUMBER:  
**SKFP 14-FA103**

Rev.: 0

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



NOTES:

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



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PHASE III  
PACKAGE 2

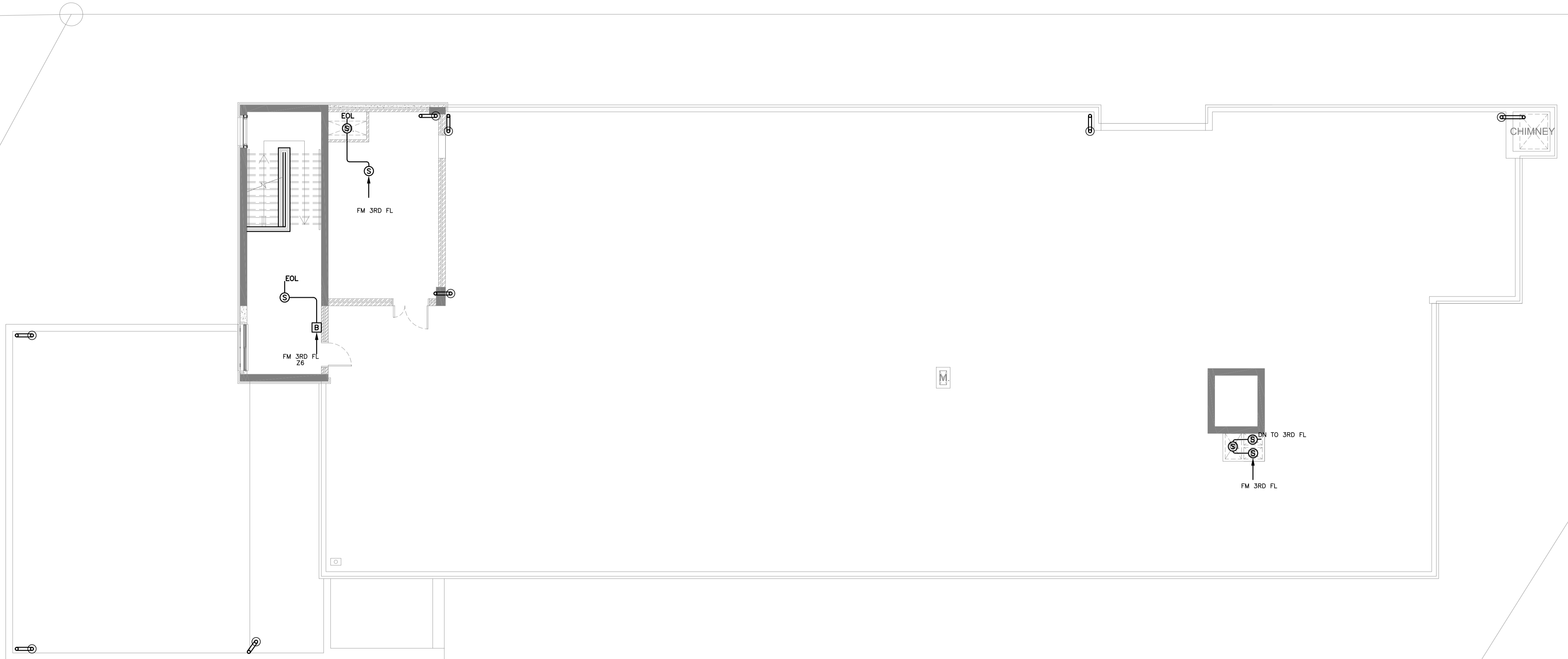
Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME: <b>THIRD FLOOR PLAN FIRE PLAN</b>		
DESIGN: M.A.	DRAWN: CAD	CHECKED: K.A.H.
SCALE: 1:100	DATE: JUNE 2019	APPROVED: W.Z.
PLOT No 435	LOCATION Thahr Al Sarow	BASIN NO 4 Dair Allat

DRAWING NUMBER: <b>SKEP 14-FA104</b>	
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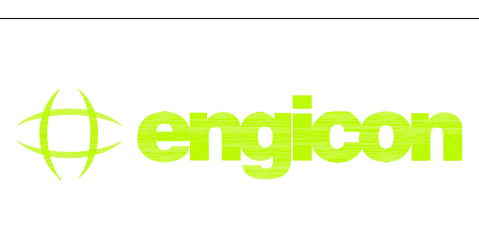
North	
Rev.:	0

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



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

NOTES:

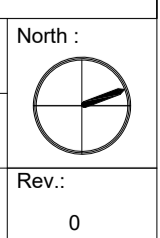


PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

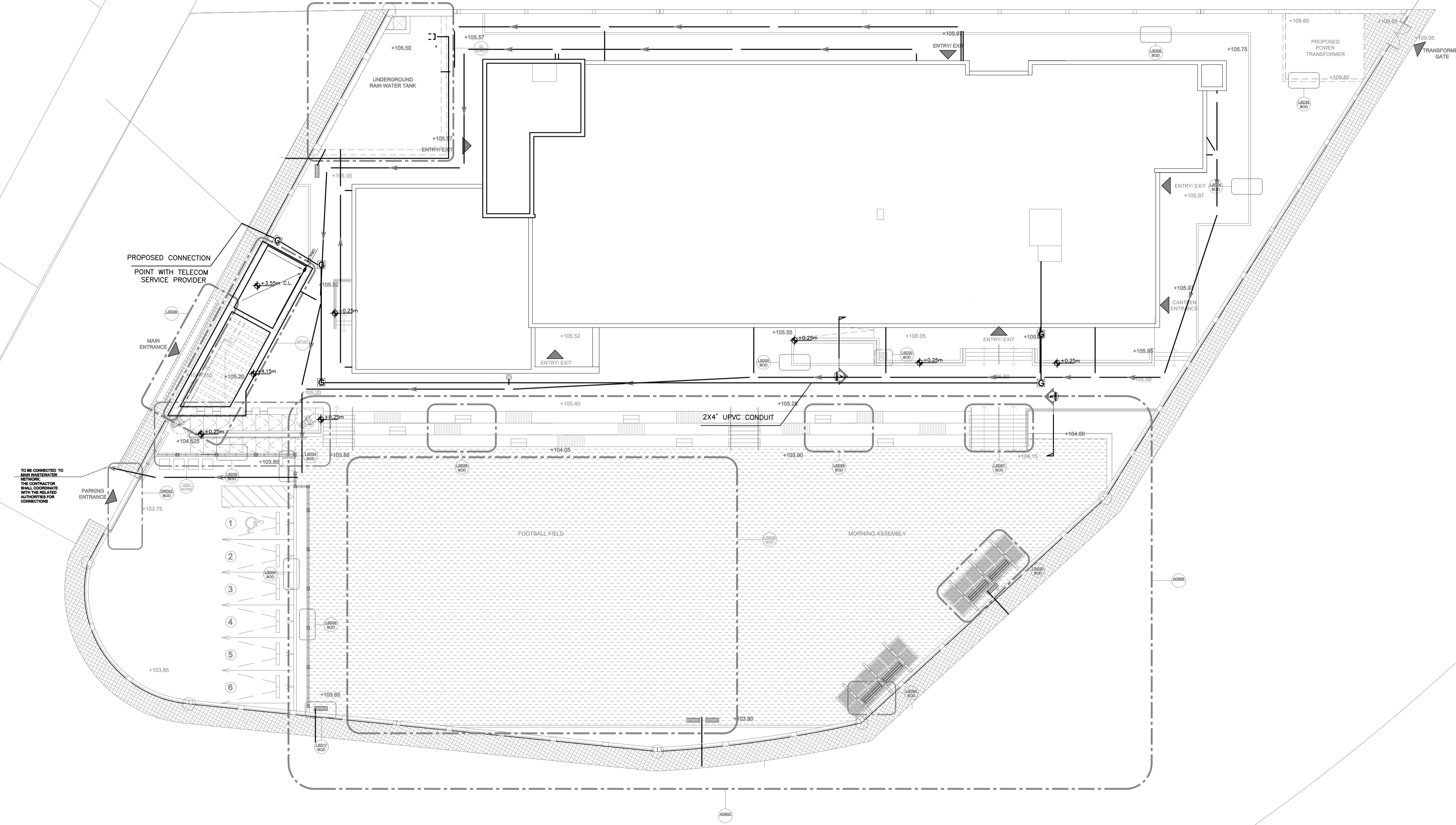
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**ROOF FLOOR PLAN  
FIRE ALARM PLAN**  
PLOT No 435  
LOCATION Thahr Al Sarow  
BASIN NO 4 Dair Alliat

Design: M.A.  
SCALE: 1:100  
Date: JUNE 2019  
DRAWING NUMBER:  
**SKEP 14-FA105**

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



تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥

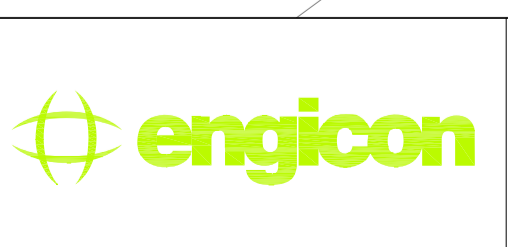


NOTES:

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



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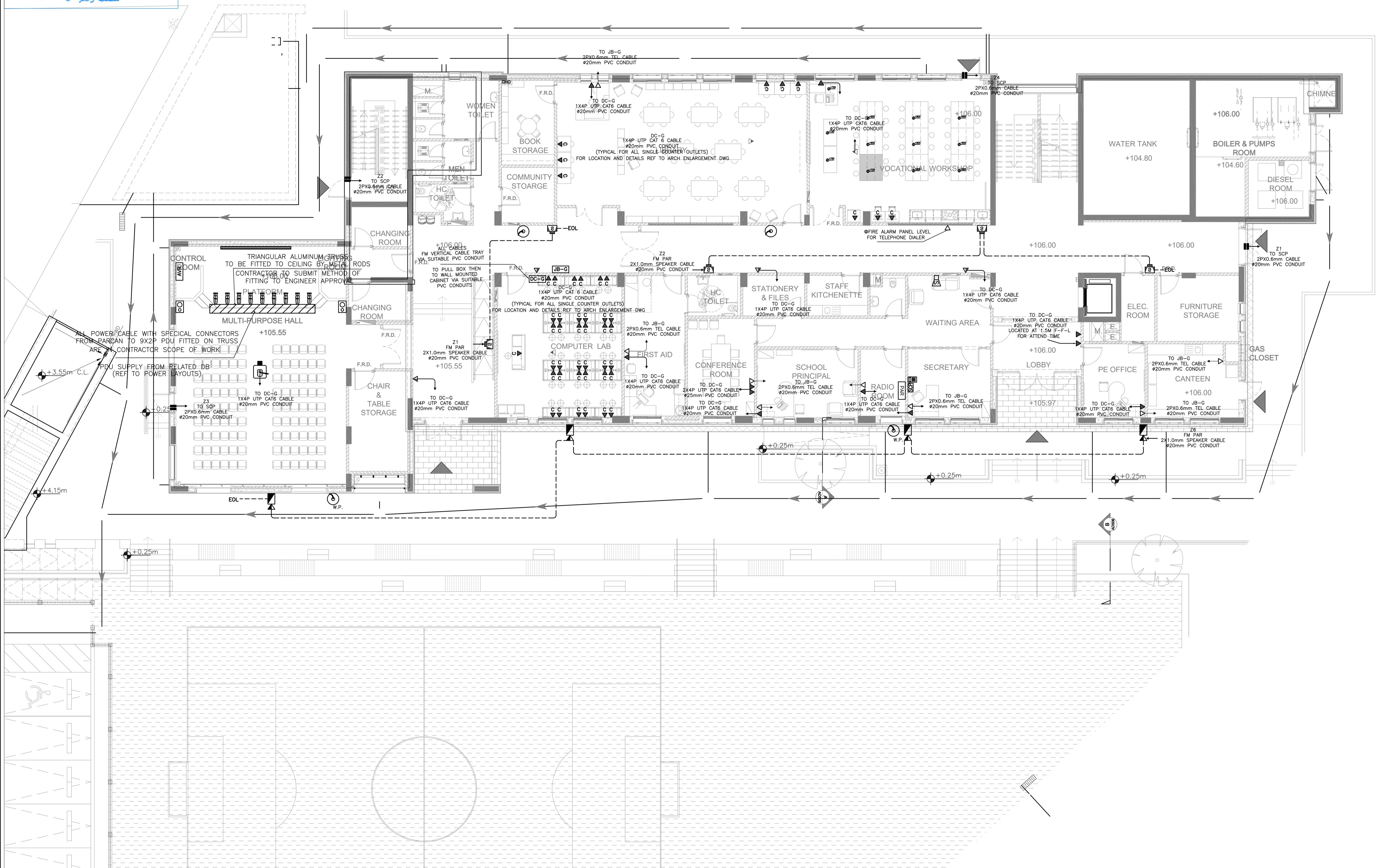
PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME: <b>SITE LOW CURRENT PLAN</b>		
DESIGN: M.A.	DRAWN: CAD	CHECKED: K.A.H.
SCALE: 1:200	DATE: JUNE 2019	APPROVED: W.Z.
PLOT No: 435	LOCATION: Thahr Al Sarow	BASIN NO: 4 Dair Alliat
DRAWING NUMBER: <b>SKEP 14-TL100</b>		

Rev.: 0	North:
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تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



NOTES:

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

USAID  
FROM THE AMERICAN PEOPLE



PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

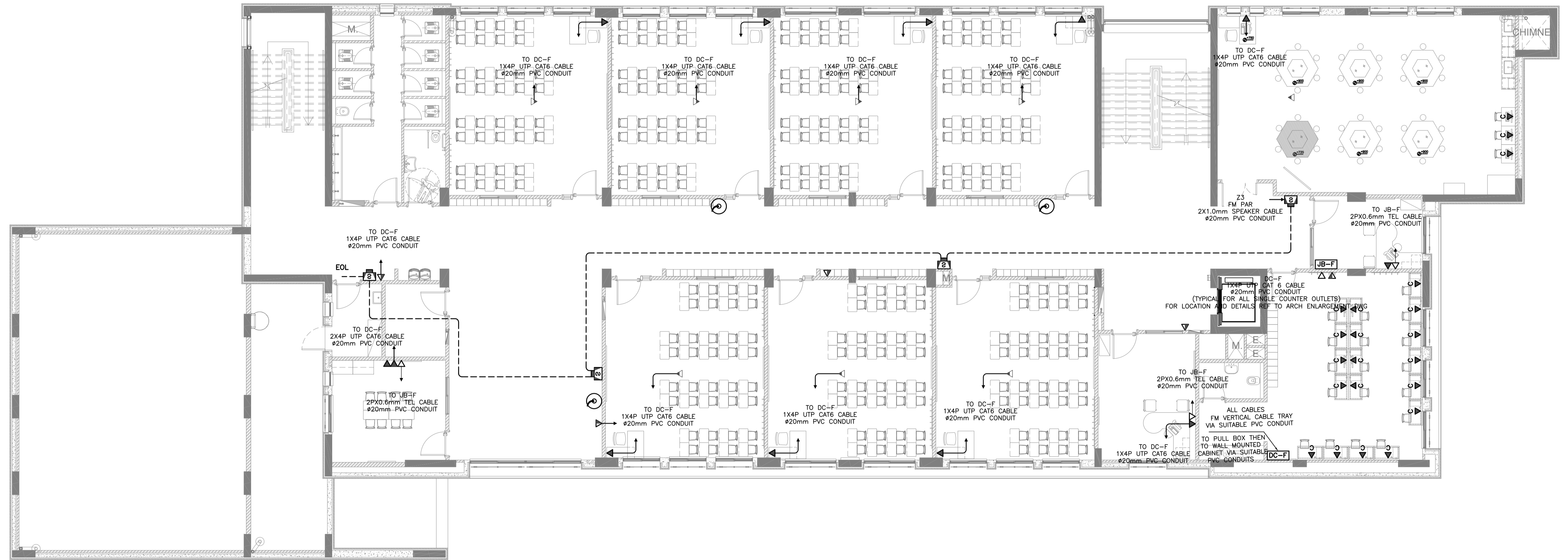
DRAWING NAME:  
GROUND FLOOR PLAN  
LOW CURRENT PLAN

DESIGN: M.A.  
SCALE: 1:100

DATE: JUNE 2019

DRAWING NUMBER:  
SKEP 14-TL101

Design:	Drawn:	Checked:	North:
M.A.	CAD	K.A.H.	
SCALE:	Date:	Approved:	
1:100	JUNE 2019	W.Z.	
Rev.:			
0			



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PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME:  
**FIRST FLOOR PLAN  
LOW CURRENT PLAN**

DESIGNER: M.A.  
DRAWN: CAD  
CHECKED: K.A.H.  
SCALE: 1:100  
DATE: JUNE 2019  
APPROVED: W.Z.

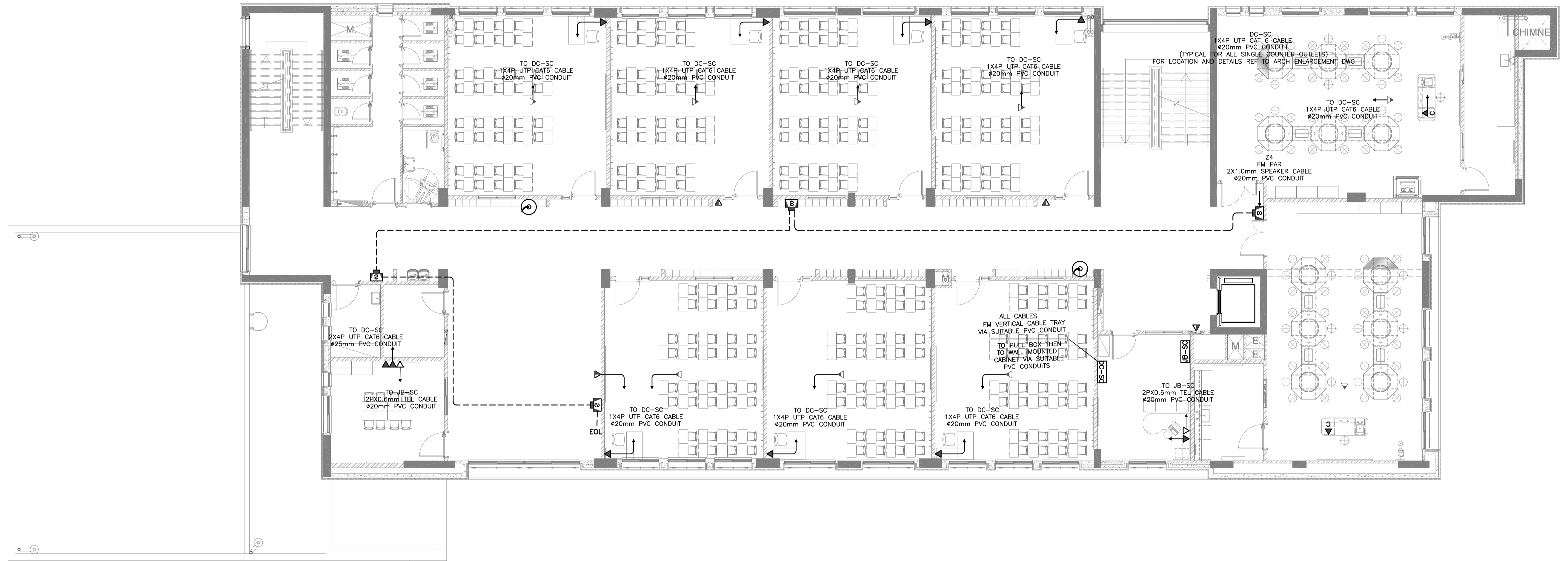
DESIGNER: M.A.  
DRAWN: CAD  
CHECKED: K.A.H.  
SCALE: 1:100  
DATE: JUNE 2019  
APPROVED: W.Z.  
DRAWING NUMBER: **SKEP 14-TL102**

North:  
Rev.: 0

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



تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



NOTES:



**USAID**  
FROM THE AMERICAN PEOPLE



PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

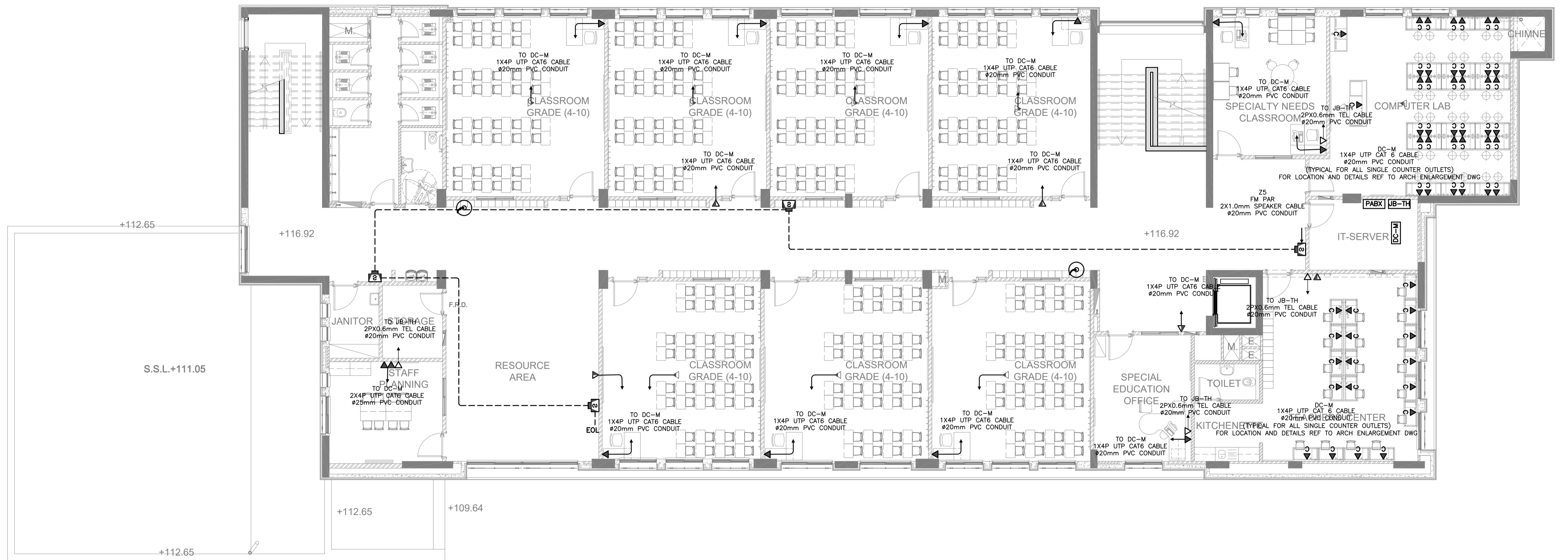
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LOW CURRENT PLAN**  
PLOT No 435 LOCATION Thahr Al Sarow BASIN NO 4 Dair Allat

Design: M.A. Drawn: CAD Checked: K.A.H. Approved: W.Z.  
SCALE: 1:100 Date: JUNE 2019  
DRAWING NUMBER: **SKEP 14-TL103**

North:   
Rev.: 0

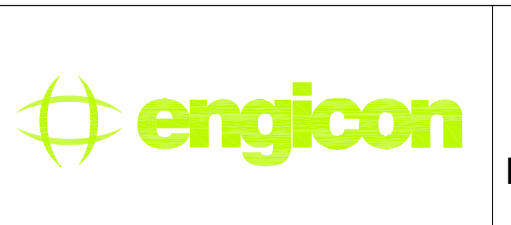
REV.	DATE	REMARKS
0	JUNE 2019	VOL. IV - TENDER DRAWINGS

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



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

NOTES:



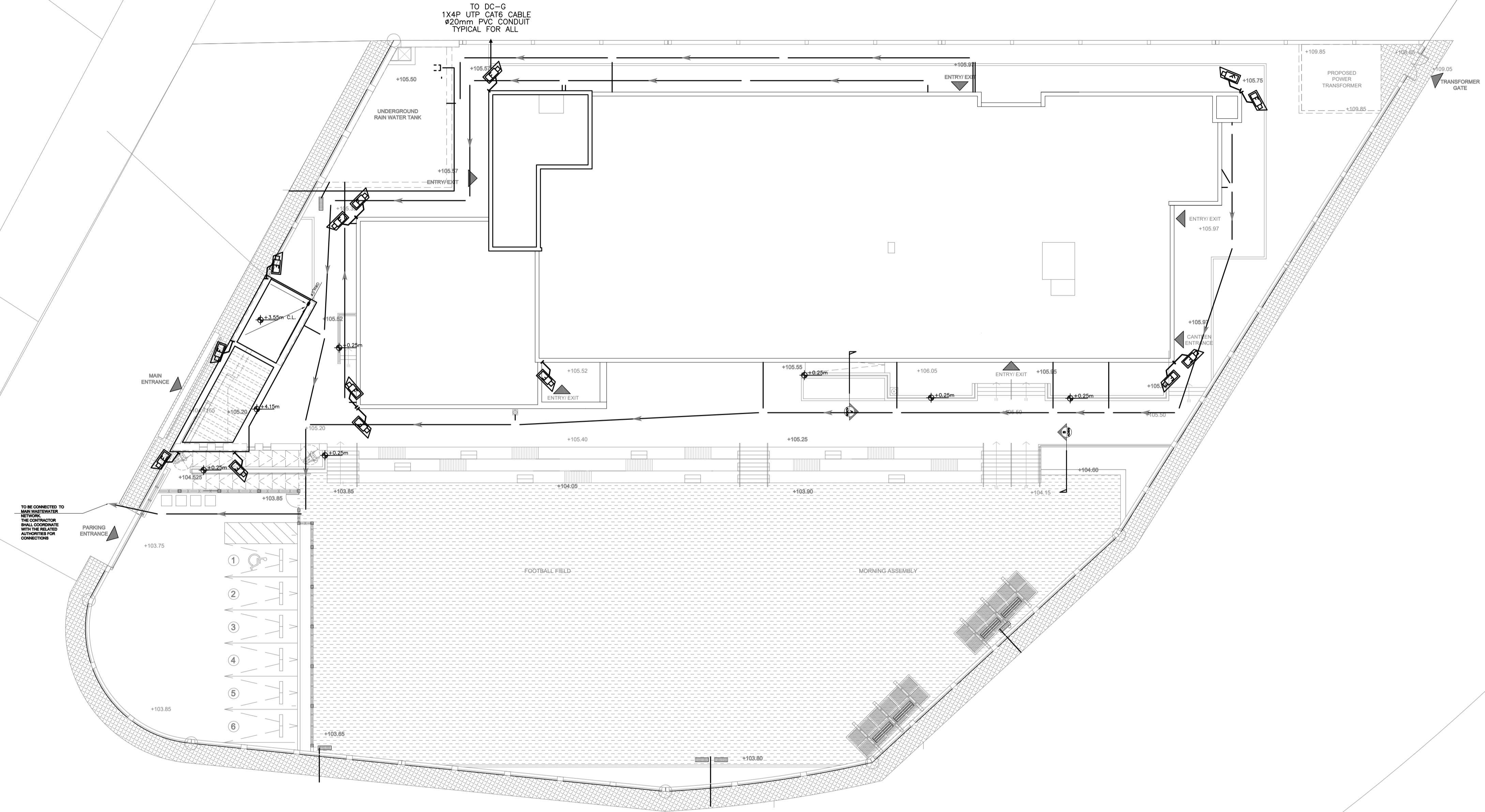
PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys (Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:  
**THIRD FLOOR PLAN  
LOW CURRENT PLAN**

PLOT No 435 LOCATION Thahr Al Sarow BASIN NO 4 Dair Alliat

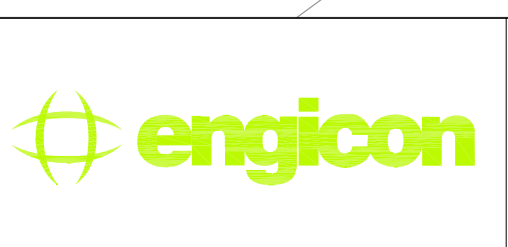
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SCALE: 1:100	Date: JUNE 2019	Approved: W.Z.	
DRAWING NUMBER: <b>SKEP 14-TL104</b>			Rev.: 0

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



NOTES:

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



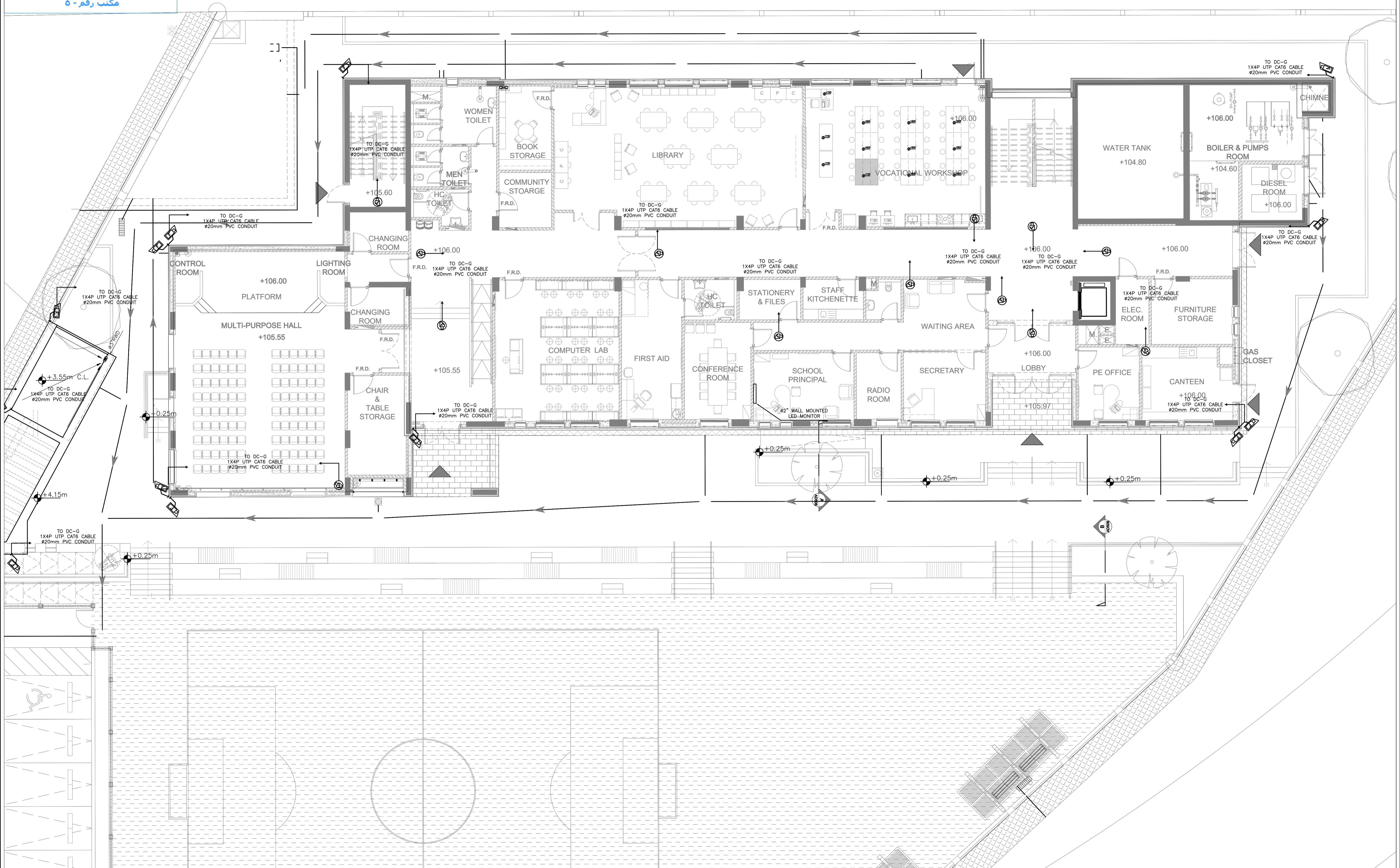
PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME: <b>SITE SECURITY PLAN</b>		
DESIGN: M.A.	DRAWN: CAD	CHECKED: K.A.H.
SCALE: 1:200	DATE: JUNE 2019	APPROVED: W.Z.
PLOT No: 435	LOCATION: Thahr Al Sarow	BASIN NO: 4 Dair Alliat
DRAWING NUMBER: <b>SKEP 14-TS100</b>		

Rev.: 0	North:
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تم التصميم حسب الكودات المعمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



NOTES:

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



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PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME:  
**GROUND FLOOR PLAN  
SECURITY PLAN**

PLOT No  
435

LOCATION  
Thahr Al Sarow

BASIN NO  
4 Dair Allait

Design:  
M.A.

SCALE:  
1:100

DRAWING NUMBER:  
SKEP 14-TS101

Drawn:  
CAD

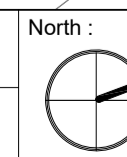
Date:  
JUNE 2019

Approved:  
W.Z.

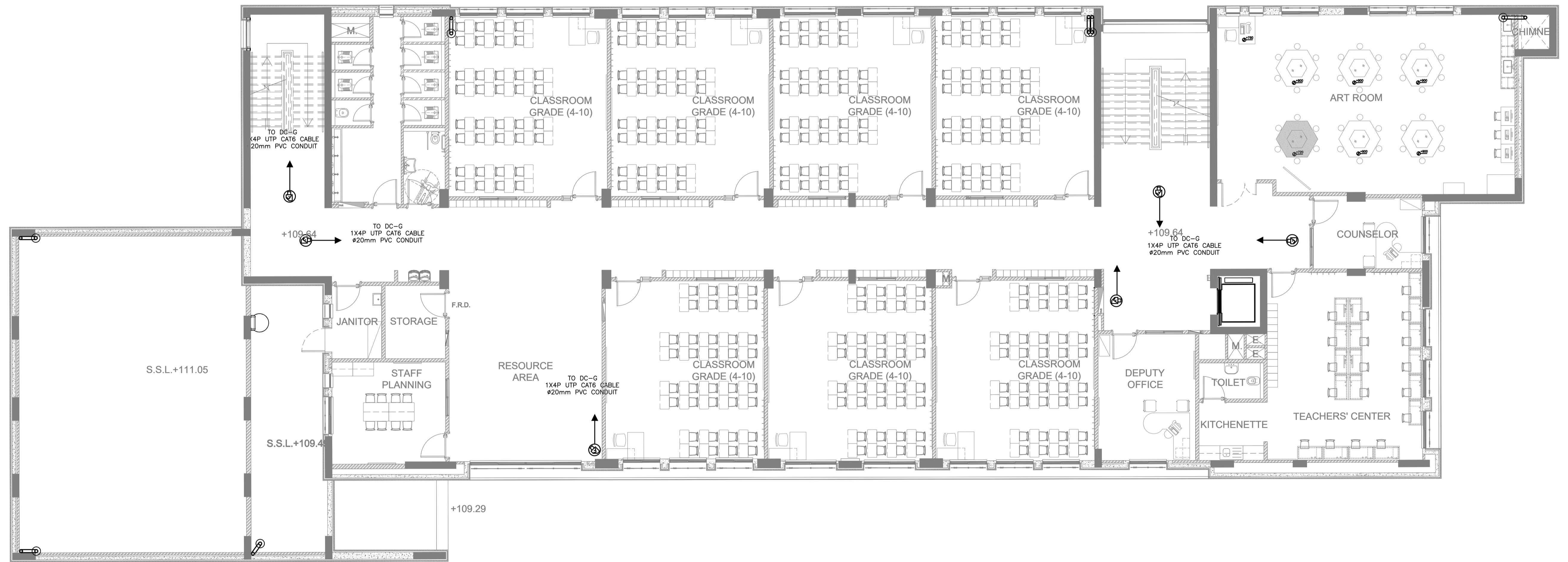
Checked:  
K.A.H.

Rev.:  
0

North:  
0

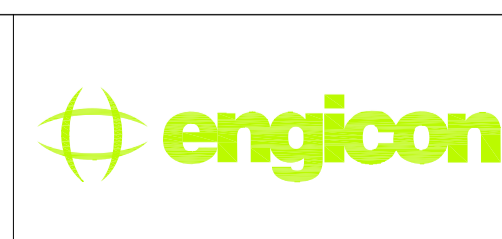


تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



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

NOTES:



PHASE III  
PACKAGE 2

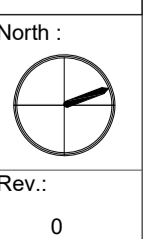
Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME:  
**FIRST FLOOR PLAN  
SECURITY PLAN**

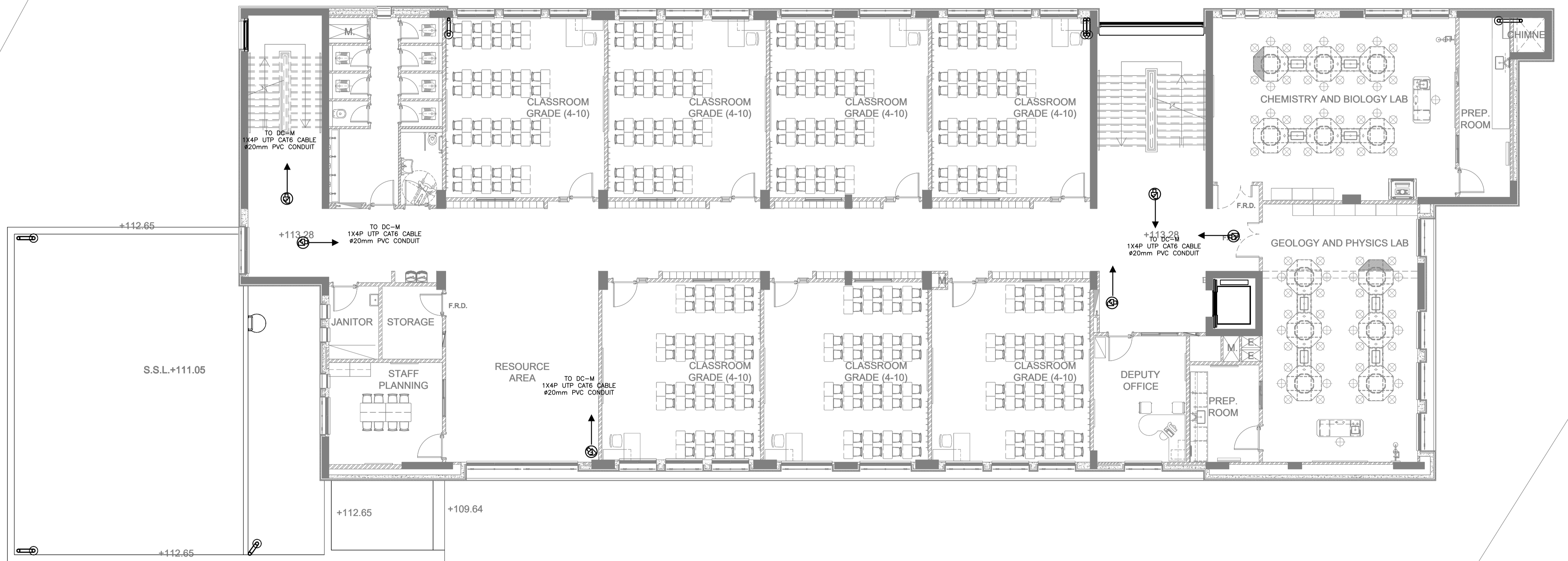
DESIGN: M.A. DRAWN: CAD CHECKED: K.A.H.  
SCALE: 1:100 DATE: JUNE 2019 APPROVED: W.Z.

DRAWING NUMBER: **SKEP 14-TS102**

PLT No	LOCATION	BASIN NO
435	Thahr Al Sarow	4 Dair Alliat

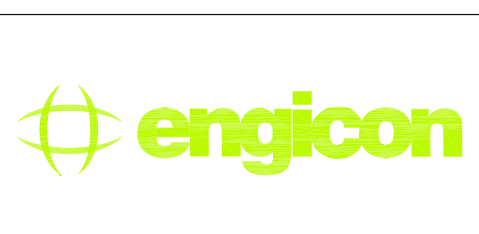


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مكتب رقم - ٥



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

NOTES:

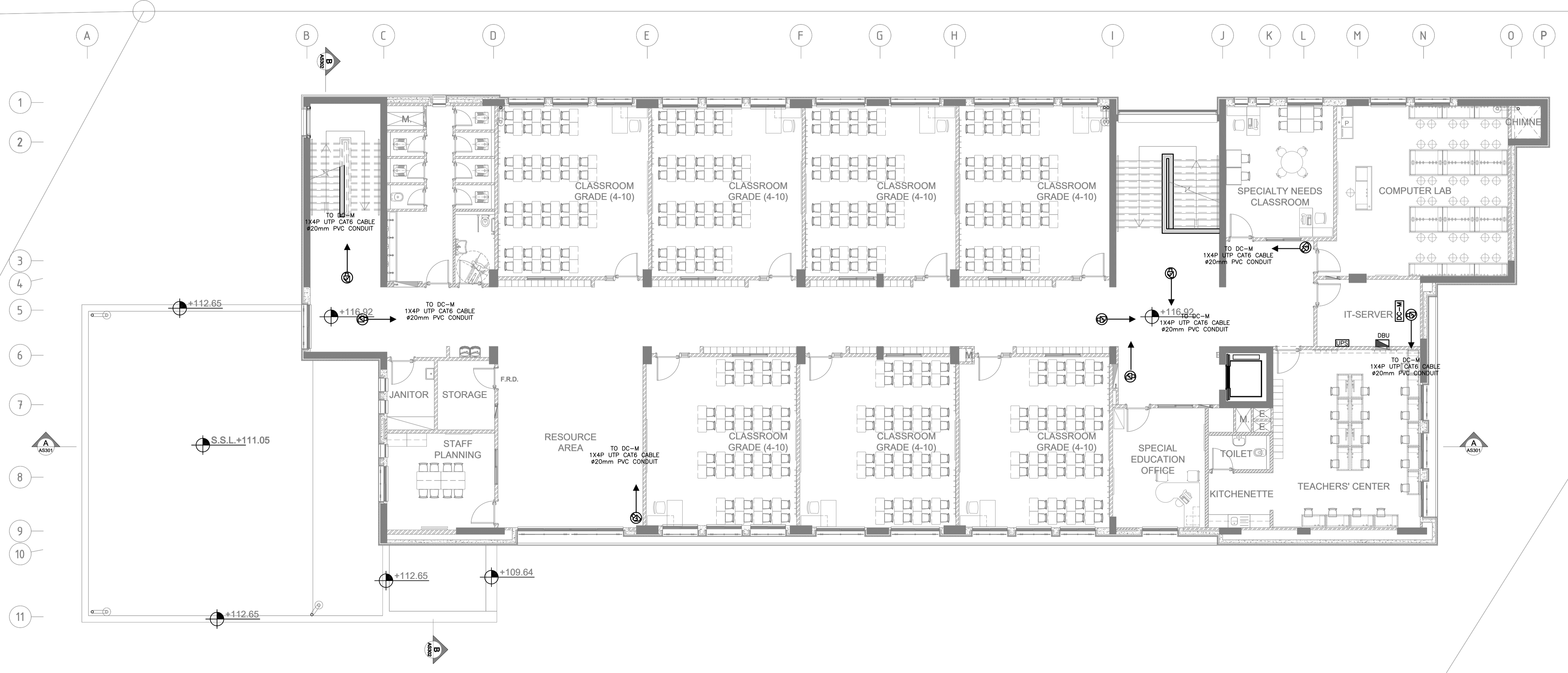


PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys (Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:  
**SECOND FLOOR PLAN SECURITY PLAN**  
PLOT No: 435  
LOCATION: Thahr Al Sarow  
BASIN NO: 4 Dair Alliat

Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100	Date: JUNE 2019	Approved: W.Z.	
DRAWING NUMBER: <b>SKEP 14-TS103</b>			Rev.: 0

تم التصميم حسب الكودات المعتمدة  
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مكتب رقم - ٥



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

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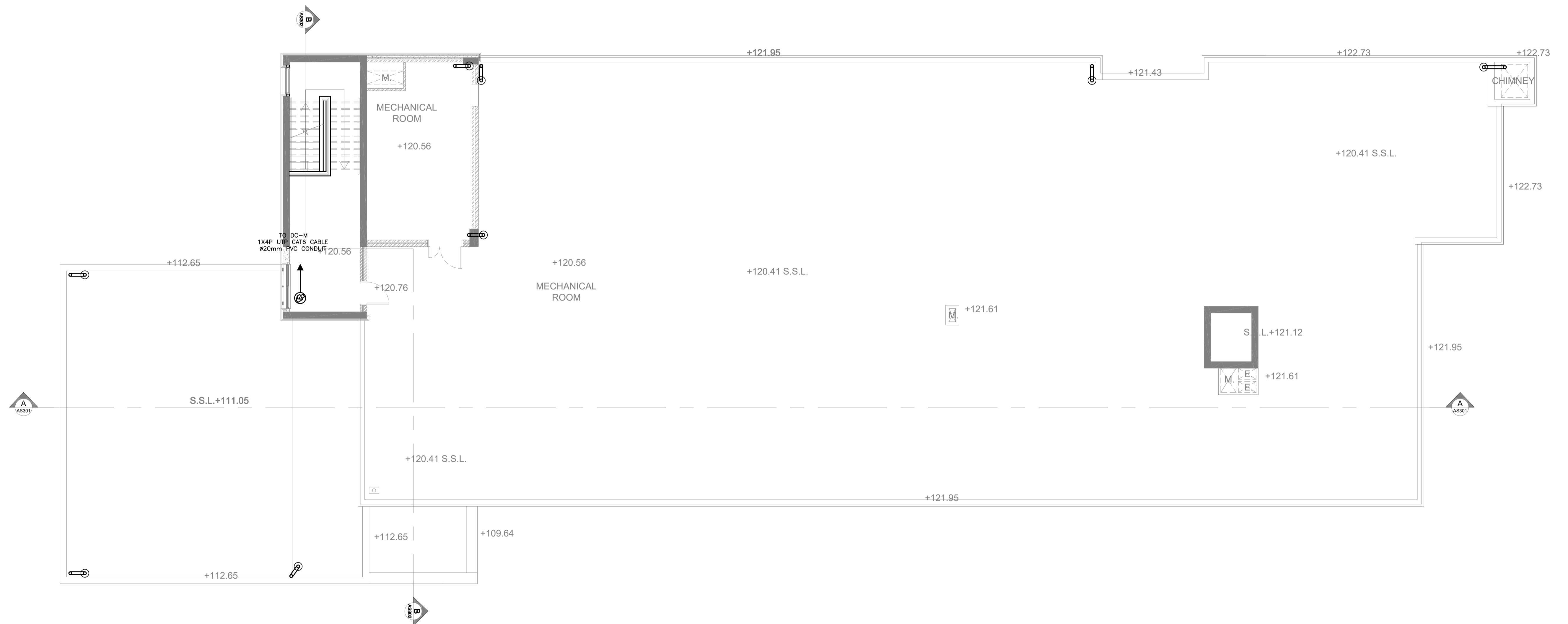


PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys (Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:  
**THIRD FLOOR PLAN SECURITY PLAN**  
PLOT No 435  
LOCATION Thahr Al Sarow  
BASIN NO 4 Dair Alliat

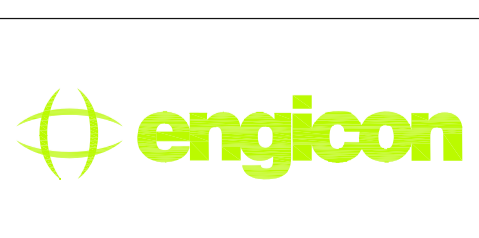
Design: M.A.	Drawn: CAD	Checked: K.A.H.	North:
SCALE: 1:100	Date: JUNE 2019	Approved: W.Z.	
DRAWING NUMBER: <b>SKEP 14-TS104</b>			Rev.: 0

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



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

NOTES:

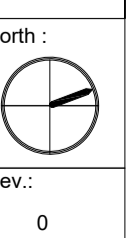


PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME:  
**ROOF FLOOR PLAN  
SECURITY PLAN**  
PLOT No 435  
LOCATION Thahr Al Sarow  
BASIN NO 4 Dair Alliat

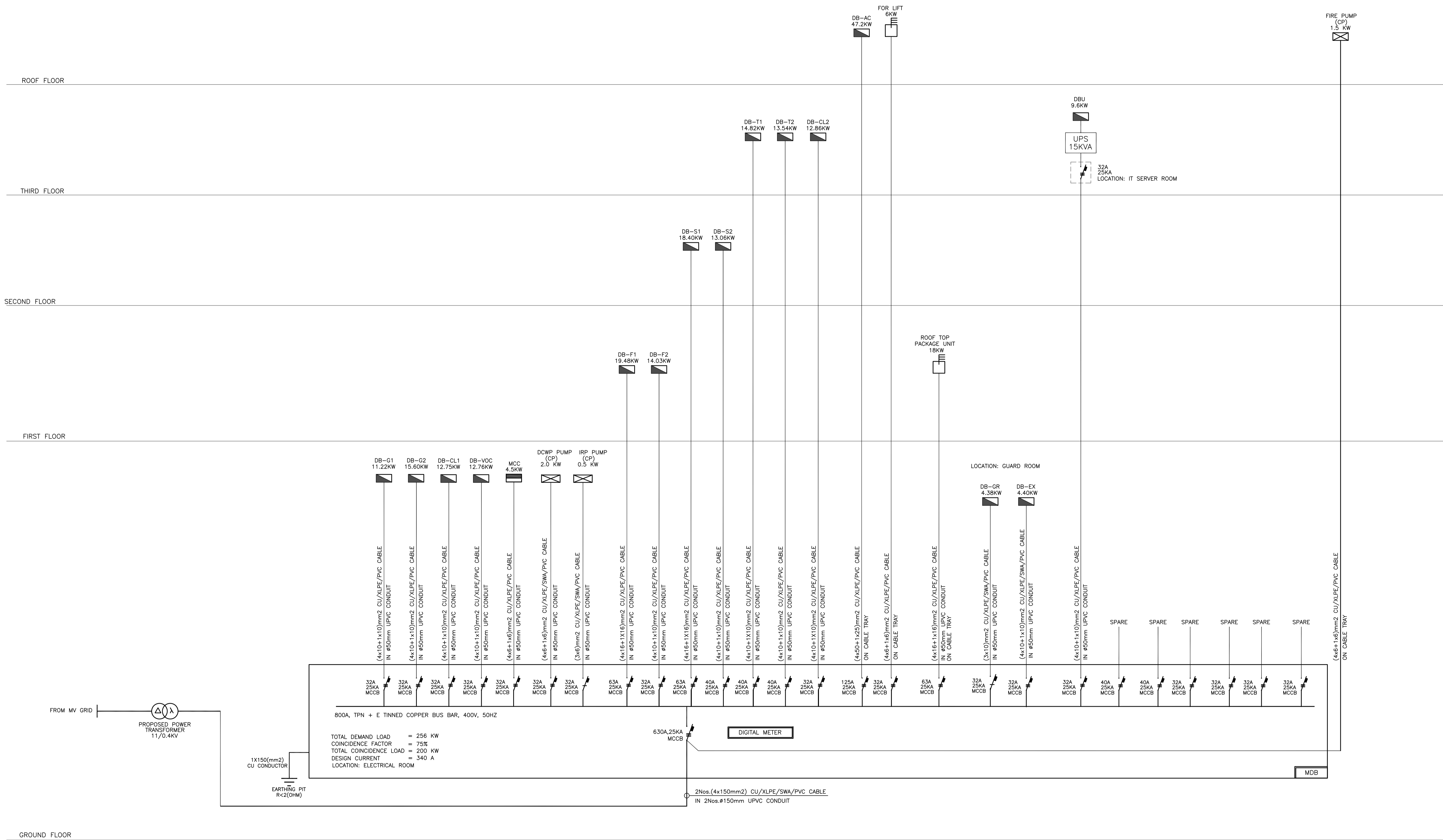
Design: M.A.  
SCALE: 1:100  
Date: JUNE 2019  
DRAWING NUMBER:  
**SKEP 14-TS105**

Drawn: CAD  
Date: JUNE 2019  
Checked: K.A.H.  
Approved: W.Z.  
Rev.: 0





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بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



800A, TPN + E TINNED COPPER BUS BAR, 400V, 50HZ  
 TOTAL DEMAND LOAD = 256 KW  
 COINCIDENCE FACTOR = 75%  
 TOTAL COINCIDENCE LOAD = 200 KW  
 DESIGN CURRENT = 340 A  
 LOCATION: ELECTRICAL ROOM

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

NOTES:

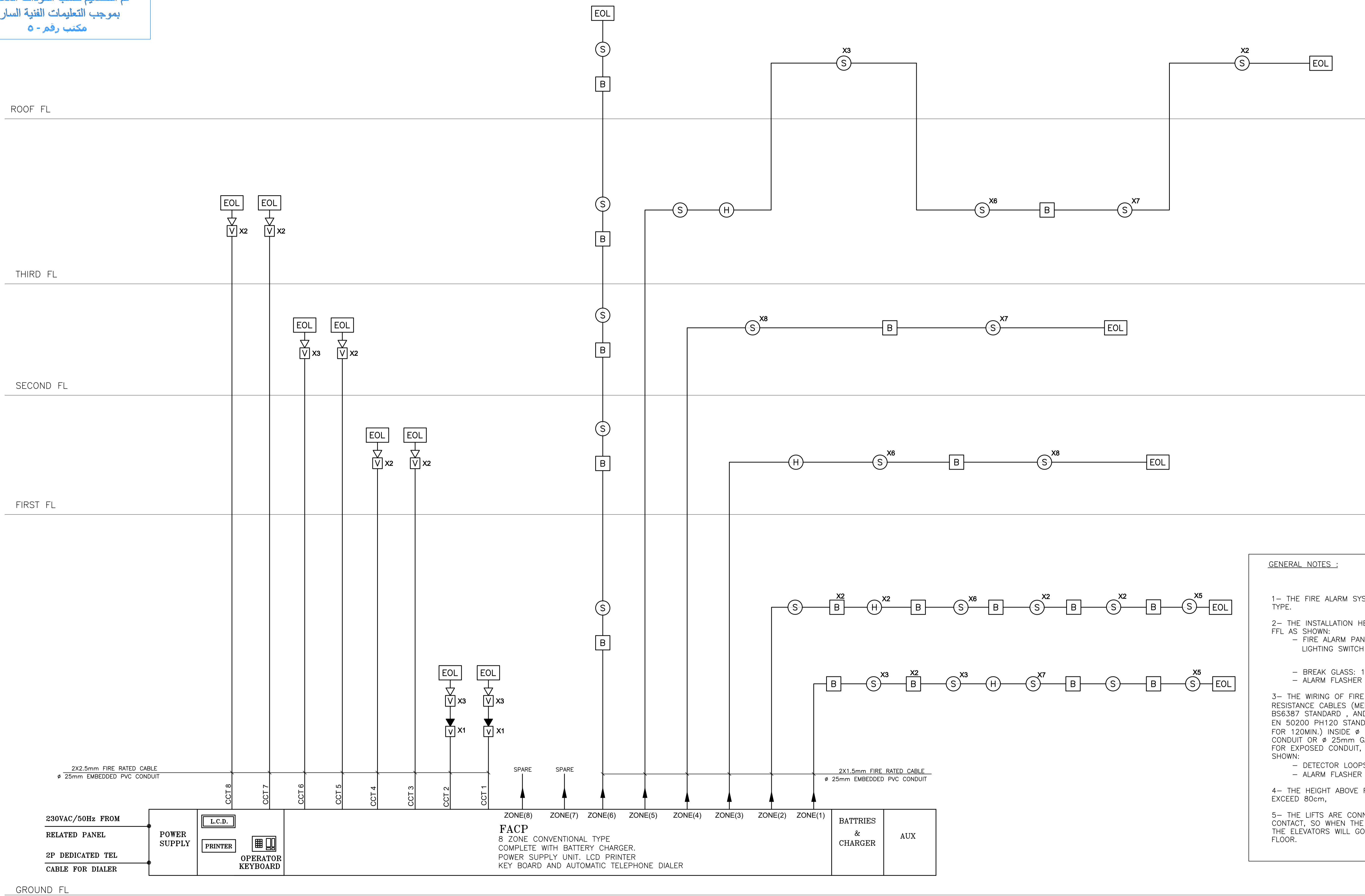


PHASE III  
 PACKAGE 2  
 Thahr Al Sarow Basic School For Boys (Jerash)  
 SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:  
**POWER SYSTEM RISER DIAGRAM**  
 PLOT No: 435  
 LOCATION: Thahr Al Sarow  
 BASIN NO: 4 Dair Alliat

Design: S.HOU.  
 Drawn: CAD  
 Checked: K.A.H.  
 Approved: W.Z.  
 Date: JUNE 2019  
 DRAWING NUMBER: **SKEP 08-ED601**  
 Rev.: 0

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بموجب التعليمات الفنية السارية  
مكتب رقم - ٥

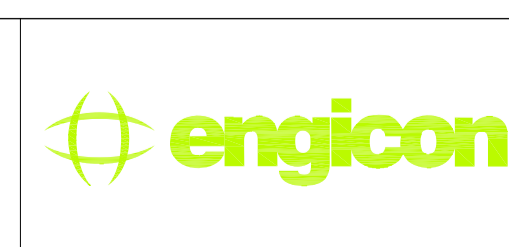


**GENERAL NOTES :**

- 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 LIGHTING SWITCH LEVEL
  - BREAK GLASS: 1.35 m.
  - ALARM FLASHER & 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.

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

NOTES:



PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

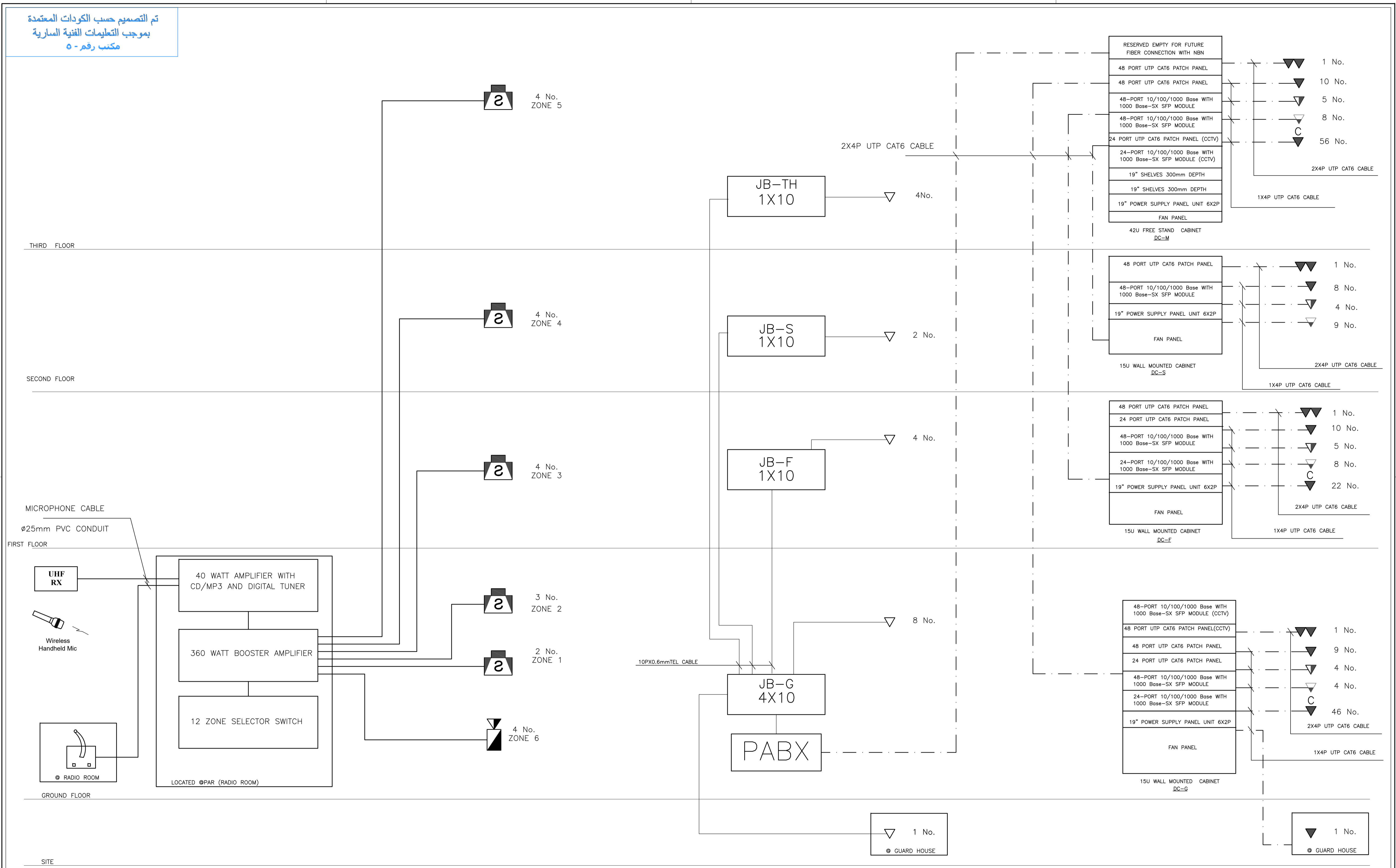
DRAWING NAME:  
**FIRE ALARM SYSTEM  
RISER DIAGRAM**

Design: M.A.  
Drawn: CAD  
Checked: K.A.H.  
SCALE: NTS  
Date: JUNE 2019  
Approved: W.Z.

DRAWING NUMBER:  
**SKEP 14-FA601**

PLT No	LOCATION	BASIN NO	Rev.:
435	Thahr Al Sarow	4 Dair Allait	0

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



PUBLIC ADDRESS RISER

TELEPHONE RISER

DATA & VOIP RISER

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

NOTES:



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PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME: <b>Low Current Systems Riser</b>		
DESIGN: M.A.	DRAWN: CAD	CHECKED: K.A.H.
SCALE: NTS	DATE: JUNE 2019	APPROVED: W.Z.
PLOT No: 435	LOCATION: Thahr Al Sarow	BASIN NO: 4 Dair Alliat

DESIGN: M.A.	DRAWN: CAD	CHECKED: K.A.H.	NORTH:
SCALE: NTS	DATE: JUNE 2019	APPROVED: W.Z.	
DRAWING NUMBER: <b>SKEP 14-TL601</b>			REV.: 0

تم التصميم حسب الكودات المعتمدة بموجب التعليمات الفنية السارية مكتب رقم - ٥

MICROPHONE\_CABLE(1P\_SHIELDED\_CABLE)

CARDIoids MICROPHONE WITH FLOOR STAND , TELESCOPIC ROD FOLDING TRIPOD

AUDIO\_CABLE

LOCATED @ AVR

DVD PLAYER

STEREO AMP 2X200W

S-VIDEO\_CABLE Ø32mm PVC CONDYT

4X1.0mm CABLE Ø25mm PVC CONDUIT

UP/DOWN SWITCH

200 INCH DIAGONAL MOTORIZED PROJECTION SCREEN

3 TFT 3000 ANSI LUMEN PROJECTOR WITH FIXED CEILING BRACKET

2X2.5mm SPEAKER\_CABLE Ø2.5mm PVC CONDUIT

MULTIPURPOSE HAL AUDIO VISUAL SCHEMATIC

THIRD FLOOR

2 No.

SECOND FLOOR

2 No.

FIRST FLOOR

3 No.

W.P.

2No.

W.P.

2 No.

© SECRETARY OFFICE

230VAC/50Hz

PROGRAM CHANGE BELL SCHEMATIC

SCP

ZONE 4

ZONE 3

ZONE 2

ZONE 1

© SECRETARY OFFICE

2PX0.6mm CABLE

INTRUSION ALARM SYSTEM

DMX\_CABLE WITH CONNECTOR

POWER\_CABLE WITH NEUTRIK PLUG (OR AS PER MANUFACTURER RECOMMENDATION)

9X2P PDU / 16A

LOCATED AT TRUSS

(3X2.5)mm2 CU/PVC/PVC CABLE

230VAC,50Hz FROM RELATED DB

MULTIPURPOSE HALL STAGE LIGHTING SCHEMATIC

GROUND FLOOR

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

NOTES:	



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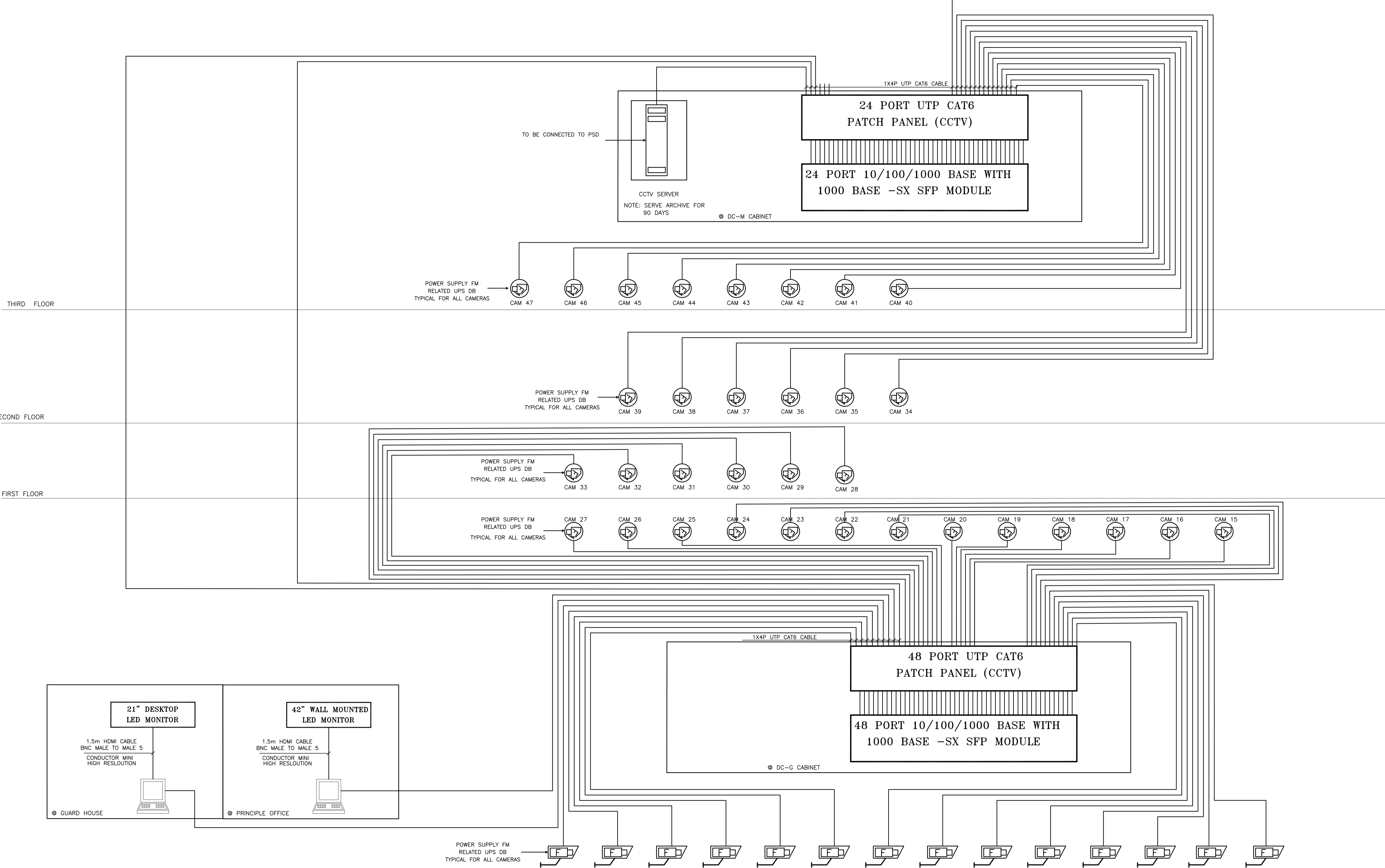
PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys (Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:		
Low Current Systems Riser		
DESIGN: M.A.	DRAWN: CAD	CHECKED: K.A.H.
SCALE: NTS	DATE: JUNE 2019	APPROVED: W.Z.
PLOT No 435	LOCATION Thahr Al Sarow	BASIN NO 4 Dair Alliat

DRAWING NUMBER:		Rev.:
SKEP 14-TL602		0

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ROOF FLOOR



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

NOTES:



PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys (Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY PROJECT (USAID SKEP)

DRAWING NAME:  
Security System (CCTV) Riser  
PLOT No: 435  
LOCATION: Thahr Al Sarow  
BASIN NO: 4 Dair Alliat

Design: S.HOU.  
Scale: NTS  
Date: JUNE 2019  
Checked: K.A.H.  
Approved: W.Z.  
Drawing Number: SKEP 14-TS601  
Rev.: 0

تم التصميم حسب الكودات المعمدة  
التعليمية لوزارة التربية

PANEL NAME: DB-C2		Type: FLUSH MOUNTED											3PHASE 400V, 50Hz, 4W/VE			PANEL LOCATION: IT SERVER			PANEL LOCATION: COMPUTER LAB 1				
CIRCUIT NO.	Description	Phase R (W)	Phase Y (W)	Phase B (W)	C.B. AMP	WIRE (mm <sup>2</sup> )	SIZE OF CONDUIT (mm)	R	Y	B	SIZE OF WIRE (mm <sup>2</sup> )	TRIP	NO.	NO.	NO.	NO.	NO.	NO.	NO.	Description	CIRCUIT NO.		
L1	LIGHTING	525			1	10	3x2.5	20	X				13	1000						SOCKET OUTLETS	P10		
L2	LIGHTING		825		2	10	3x4.0	20	X				14	1000						SOCKET OUTLETS	P11		
L3	SPARE				3	10							15										
P1	SOCKET OUTLETS	1500			4	20	3x4.0	20	X				16	1000						SOCKET OUTLETS	P11		
P2	SOCKET OUTLETS	1500			5	20	3x4.0	20	X				17	1000						SOCKET OUTLETS	P11		
P3	SOCKET OUTLETS	1500			6	20	3x4.0	20	X				18							SOCKET OUTLETS	P11		
P4	SOCKET OUTLETS	1500			7	20	3x4.0	20	X				19							SOCKET OUTLETS	P11		
P5	SOCKET OUTLETS	1500			8	20	3x4.0	20	X				20							SOCKET OUTLETS	P11		
P6	SOCKET OUTLETS	1200			9	20	3x4.0	20	X				20							SOCKET OUTLETS	P11		
P7	SOCKET OUTLETS	800			11	20	3x4.0	20	X				20							SOCKET OUTLETS	P11		
P8	SOCKET OUTLETS	600			12	20	3x4.0	20	X				20							SOCKET OUTLETS	P11		
CONNECTED LOAD (W)													4725	4625	3600	CONNECTED LOAD(W)			2000	2000	2000	CONNECTED LOAD(W)	
TOTAL CONNECTED LOAD "R"													6725										
TOTAL CONNECTED LOAD "Y"													6625										
TOTAL CONNECTED LOAD "B"													5600										
TOTAL CONNECTED LOAD(KW)													16.95										
DEMAND FACTOR													0.8										
TOTAL DEMAND LOAD(KW)													15.16										
DESIGN CURRENT													25.77										

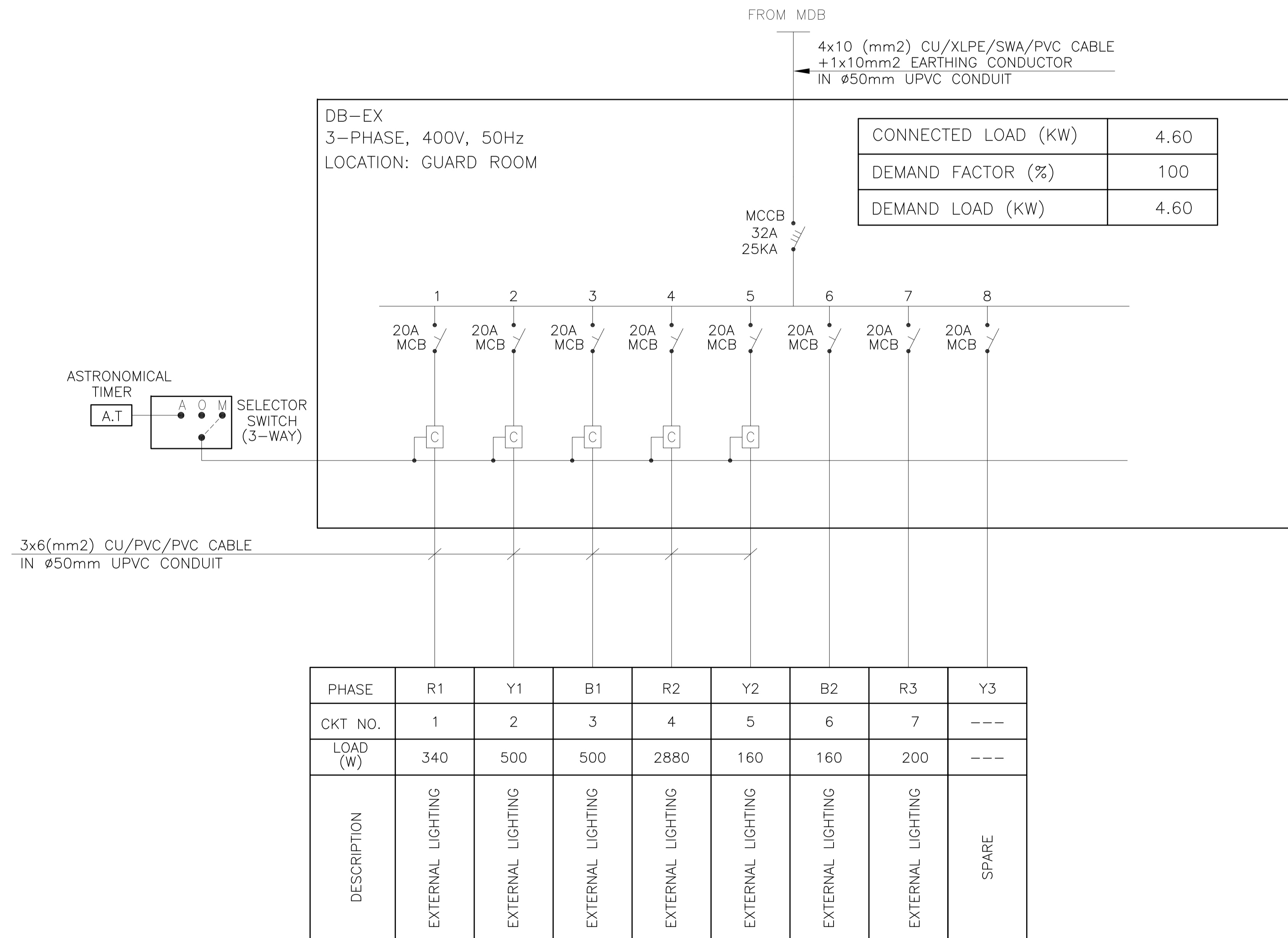
PANEL NAME: DB-C1		Type: FLUSH MOUNTED											3PHASE 400V, 50Hz, 4W/VE			PANEL LOCATION: IT SERVER			PANEL LOCATION: COMPUTER LAB 1				
CIRCUIT NO.	Description	Phase R (W)	Phase Y (W)	Phase B (W)	C.B. AMP	WIRE (mm <sup>2</sup> )	SIZE OF CONDUIT (mm)	R	Y	B	SIZE OF WIRE (mm <sup>2</sup> )	TRIP	NO.	NO.	NO.	NO.	NO.	NO.	Description	CIRCUIT NO.			
L1	LIGHTING	525			1	10	3x2.5	20	X				13	1000						SOCKET OUTLETS	P10		
L2	LIGHTING		825		2	10	3x4.0	20	X				14	1000						SOCKET OUTLETS	P11		
L3	LIGHTING				3	10							15										
P1	SOCKET OUTLET	750			4	16	3x4.0	20	X				16	13	400					DC-S	P13		
P2	SOCKET OUTLET	450			5	16	3x4.0	20	X				17		450					SOCKET OUTLET	P14		
P3	SOCKET OUTLET	900			6	16	3x4.0	20	X				18		600					SOCKET OUTLET	P15		
P4	SOCKET OUTLET	450			7	16	3x4.0	20	X				19		400					DC-M	P16		
P5	DC-C	400			8	16	3x4.0	20	X				20		750					SOCKET OUTLET	P17		
P6	SOCKET OUTLET	750			9	16	3x4.0	20	X				21		600					SOCKET OUTLET	P18		
P7	SOCKET OUTLET	600			10	16	3x4.0	20	X				22							SPARE			
P8	SOCKET OUTLET	450			11	16	3x4.0	20	X				23							SPARE			
P9	SOCKET OUTLET	450			12	16	3x4.0	20	X				24							SPARE			
P10	DC-F	400			13	16	3x4.0	20	X				25							SPARE			
P11	SOCKET OUTLET	450			14	16	3x4.0	20	X				26							SPARE			
P12	SOCKET OUTLET	450			15	16	3x4.0	20	X				27							SPARE			
CONNECTED LOAD (W)													2200	1760	2560	CONNECTED LOAD(W)			800	1200	1100	CONNECTED LOAD(W)	
TOTAL CONNECTED LOAD "R"													3000										
TOTAL CONNECTED LOAD "Y"													2950										
TOTAL CONNECTED LOAD "B"													3650										
TOTAL CONNECTED LOAD(KW)													9.60										
DEMAND FACTOR													0.8										
TOTAL DEMAND LOAD(KW)													9.60										
DESIGN CURRENT													16.32										

PANEL NAME: DB-C2		Type: FLUSH MOUNTED											3PHASE 400V, 50Hz, 4W/VE			PANEL LOCATION: COMPUTER LAB 1							
CIRCUIT NO.	Description	Phase R (W)	Phase Y (W)	Phase B (W)	C.B. AMP	WIRE (mm <sup>2</sup> )	SIZE OF CONDUIT (mm)	R	Y	B	SIZE OF WIRE (mm <sup>2</sup> )	TRIP	NO.	NO.	NO.	NO.	NO.	NO.	Description	CIRCUIT NO.			
L1	LIGHTING	450			1	10	3x2.5	20	X				13	1000						SOCKET OUTLETS	P10		
P1	SOCKET OUTLET	1200			2	16	3x4.0	20	X				14	1400						SOCKET OUTLETS	P11		
P2	SOCKET OUTLET	1200			3	16	3x4.0	20	X				15	1000						SOCKET OUTLETS	P11		
P3	SOCKET OUTLET	1600			4	16	3x4.0	20	X				16	13						SOCKET OUTLETS	P11		
P4	SOCKET OUTLET	1600			5	16	3x4.0	20	X				17							SPARE			
P5	SOCKET OUTLET	1600			6	16	3x4.0	20	X				18							SPARE			
P6	SOCKET OUTLET	1600			7	16	3x4.0	20	X				19							SPARE			
P7	SOCKET OUTLET	1600			8	16	3x4.0	20	X				20							SPARE			
P8	SOCKET OUTLET	1600			9	16	3x4.0	20	X				21							SPARE			
CONNECTED LOAD (W)													3600	4400	4000	CONNECTED LOAD (W)			1200	1400	1000	CONNECTED LOAD (W)	
TOTAL CONNECTED LOAD "R"													4800										
TOTAL CONNECTED LOAD "Y"													5800										
TOTAL CONNECTED LOAD "B"													4600										
TOTAL CONNECTED LOAD(KW)													16.08										
DEMAND FACTOR													0.8										
TOTAL DEMAND LOAD(KW)													12.87										
DESIGN CURRENT													21.87										

PANEL NAME: DB-C1		Type: FLUSH MOUNTED											3PHASE 400V, 50Hz, 4W/VE			PANEL LOCATION: COMPUTER LAB 1							
CIRCUIT NO.	Description	Phase R (W)	Phase Y (W)	Phase B (W)	C.B. AMP	WIRE (mm <sup>2</sup> )	SIZE OF CONDUIT (mm)	R	Y	B	SIZE OF WIRE (mm <sup>2</sup> )	TRIP	NO.	NO.	NO.	NO.	NO.	NO.	Description	CIRCUIT NO.			
L1	LIGHTING	320			1	10	3x2.5	20	X				13	1600						SOCKET OUTLETS	P9		
P1	SOCKET OUTLET	1400			2	16	3x4.0	20	X				14	1200						SOCKET OUTLETS	P10		
P2	SOCKET OUTLET	1200			3	16	3x4.0	20	X				15	1000						SOCKET OUTLETS	P11		
P3	SOCKET OUTLET	1600			4	16	3x4.0	20	X				16	13						SPARE	P12		
P4	SOCKET OUTLET	1600			5	16	3x4.0	20	X				17							SPARE	P13		
P5	SOCKET OUTLET	1600			6	16	3x4.0	20	X				18							SPARE	P14		
P6	SOCKET OUTLET	1600			7	16	3x4.0	20	X				19							SPARE			
P7	SOCKET OUTLET	1600			8	16	3x4.0	20	X				20							SPARE			
P8	SOCKET OUTLET	1600			9	16	3x4.0	20	X				21							SPARE			
CONNECTED LOAD (W)													3520	4400	4000	CONNECTED LOAD (W)			1600	1200	1000	CONNECTED LOAD (W)	
TOTAL CONNECTED LOAD "R"													5120										
TOTAL CONNECTED LOAD "Y"													6000										
TOTAL CONNECTED LOAD "B"													5000										
TOTAL CONNECTED LOAD(KW)													16.92										
DEMAND FACTOR													0.8										
TOTAL DEMAND LOAD(KW)													12.74										
DESIGN CURRENT													21.85										

PANEL NAME: DB-AC		Type: FLUSH MOUNTED											3PHASE 400V, 50Hz, 4W/VE			PANEL LOCATION: 1ST FLOOR					
CIRCUIT NO.	Description	Phase R (W)	Phase Y (W)	Phase B (W)	C.B. AMP	WIRE (mm <sup>2</sup> )	SIZE OF CONDUIT (mm)	R	Y	B	SIZE OF WIRE (mm <sup>2</sup> )	TRIP	NO.	NO.	NO.	NO.	NO.	NO.	Description	CIRCUIT NO.	
L1	LIGHTING	40			1	10	3x2.5	20	X				13	1200						SU-3	P15
P1	SU-4	3200			4	32	CABLE TRAY	3x4	X				17	2400						SU-2	P16
P2	SU-4	3200			3	32	CABLE TRAY	3x6	X				18	2400						SU-2	P17
P3	SU-4	3200			4	32	CABLE TRAY	3x4	X				19	2400						SU-2	P18
P4	SU-2	2400			5	20	CABLE TRAY	3x6	X				20								
P5	SU-2	2400			6	20	CABLE TRAY	3x6	X				21							B.P-1	P19
P6	SU-6	1600			7	20	CABLE TRAY	3x6	X				22	767							
P7	SU-2	2400			8	20	CABLE TRAY	3x6	X				23							SPARE	
P8	SU-2	2400			9	20	CABLE TRAY	3x6	X				24							SPARE	
P9	SU-2	2400			10	20	CABLE TRAY	3x6	X				25							SPARE	
P10	SU-2	2400			11	20	CABLE TRAY	3x6	X				26							SPARE	
P11	SU-1	1600			12	20	CABLE TRAY	3x6	X				27							SPARE	
P12	SU-1	1600			13	20	CABLE TRAY	3x6	X				28							SPARE	
P13	SU-2	2400			14	20	CABLE TRAY	3x4	X				29							SPARE	
P14	SU-3	2400			15	32	CABLE TRAY	3x6	X				30							SPACE	

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥



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

NOTES:



PHASE III  
PACKAGE 2  
Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME:  
**External Lighting**

PLOT No: 435  
LOCATION: Thahr Al Sarow  
BASIN NO: 4 Dair Alliat

Design: M.A.  
SCALE: N.T.S.  
Date: JUNE 2019  
Approved: K.A.H.

DRAWING NUMBER:  
**SKEP 14-E905**

North:

Rev.: 0

تم التصميم حسب الكودات المعتمدة  
بموجب التعليمات الفنية السارية  
مكتب رقم - ٥

FROM MDB

(4X6+1X6)mm<sup>2</sup> PVC/PVC CABLE  
IN ø50mm UPVC CONDUIT

CONNECTED LOAD (KW)	5.5
DEMAND LOAD (KW)	5.0
DESIGN CURRENT (A)	8.5

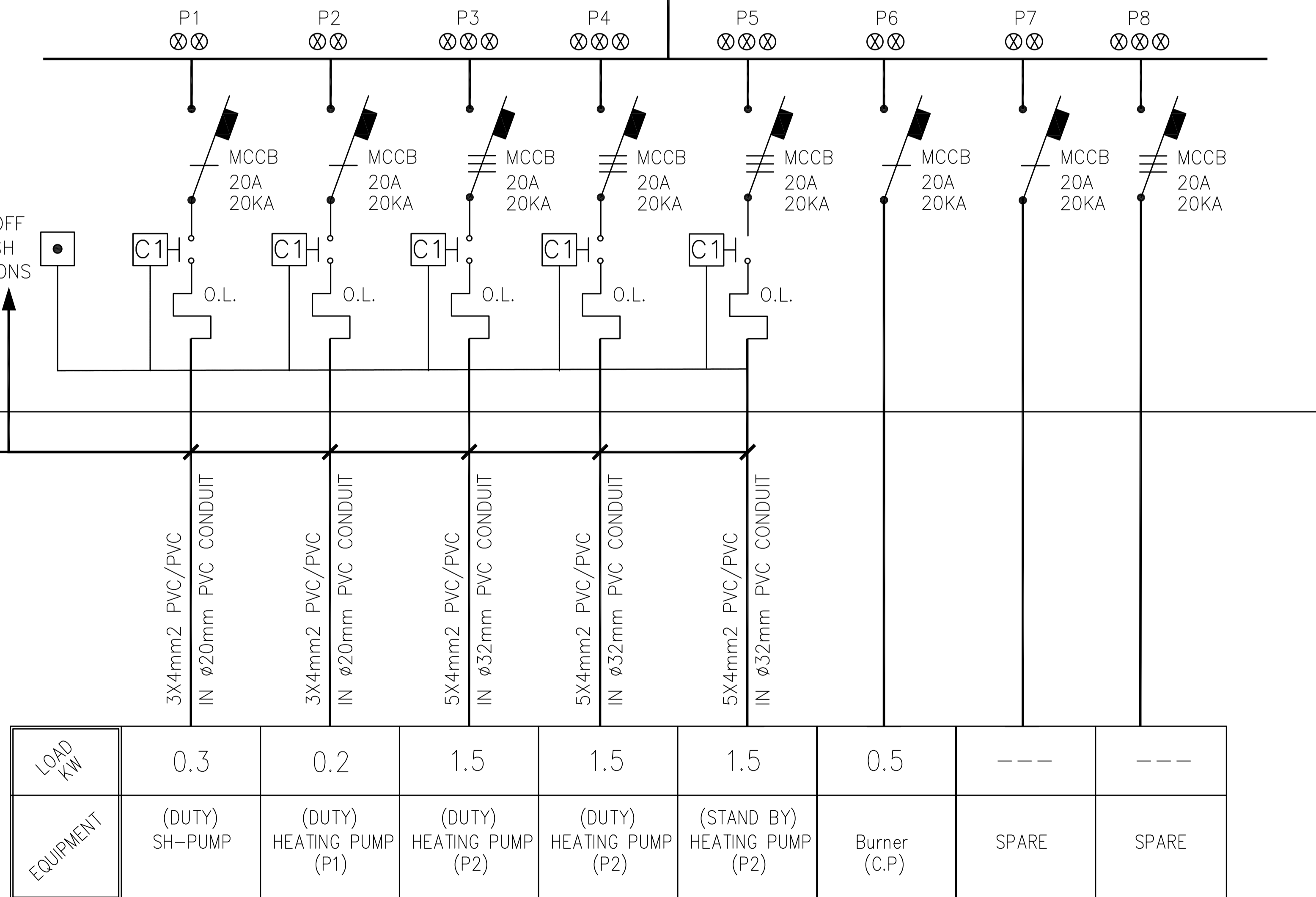
MCCB  
32A  
25KA

MCC  
BOILER ROOM

3-PH, 400V\50Hz

FOR SWITCHING CONTROL  
AND PROTECTION DEVICES  
REFER TO MECHANICAL DRAWINGS

ON/OFF  
PUSH  
BUTTONS



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

NOTES:



PHASE III  
PACKAGE 2

Thahr Al Sarow Basic School For Boys  
(Jerash)  
SCHOOLS FOR A KNOWLEDGE ECONOMY  
PROJECT (USAID SKEP)

DRAWING NAME:  
**MCC  
Single Line Diagram**

PLOT No 435 LOCATION Thahr Al Sarow BASIN NO 4 Dair Alliat

Design: M.A. Drawn: CAD Checked: K.A.H. North:  
SCALE: N.T.S. Date: JUNE 2019 Approved:  
DRAWING NUMBER: **SKEP 14-E906** Rev.: 0