

LIST OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	SCALE
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E-1201	DETAILS OF DISTRIBUTION BOARDS- 2	N.T.S
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E-1300	GENERATOR AND TRANSFORMER ROOM: ELECTRICAL SYSTEMS LAYOUT	1:50
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E-1302	FIRE ROOM: ELECTRICAL SYSTEMS LAYOUT	1:50

LIGHTING		
REFERENCE	SYMBOL	DESCRIPTION
F1		RECESSED IN FALSE CEILING (60X60)cm, LIGHTING FIXTURE ,31W LED ,4200LM,4000k frame aluminum powder-coated white, diffuser plastic (PMMA) opal, lateral light coupling with LED, lamps (LED) in Scope of delivery included, control gear dimmable DALI (height 31mm) externally, Springs for ceiling installation included as standard Visible color: white IP 20
F1E		DITTO AS ABOVE ,BUT WITH EMERGENCY KIT.
F2		Square recessed LED luminaire (60X60)cm,31w,4200LM,6000k. with translucent cover DW. Version with increased IP54 protection rating on room side. Generation of an enhanced depth effect in the room. Compliant to DIN 10500. The luminaires are suitable for applications in HALLC. System dimension 600 x 600 (MM). The optical system consists of a translucent, non-yellowing PMMA cover with high transmission factor. The cover surface is smooth and free of visible microspira structures. With narrow-wide light distribution. Glare evaluation (EN 12464-1) according to UGR a = 80.
F2E		DITTO AS ABOVE ,BUT WITH EMERGENCY KIT.
F3		SURFACE MOUNTED 36W LED MODULE,4000LM,6000K WITH SPECIAL FROSTED POLYCARBONATE FOR LED MODULE DIFFUSER IP65.
F3E		DITTO AS ABOVE ,BUT WITH EMERGENCY KIT.
F4		SURFACE MOUNTED 28W LED MODULE,3250LM,6000K WITH SPECIAL FROSTED POLYCARBONATE FOR LED MODULE DIFFUSER IP23.
F4E		DITTO AS ABOVE ,BUT WITH EMERGENCY KIT.
F5		PENDANT LUMINAIRES,23W ,2550LM/IP40 1200mm,extruded aluminum profile base,plastic, opal diffuser allows for brilliant glittering light along the lines,2-point steel cable suspension,adjustable ,4000k.
F6		RECESSED LINEAR LIGHT ,12W/m 1900lm,IP20,WIDTH 30 mm 4000k.
F7		Two lamps 2X16w,100 lum/w, recessed light,1362mm ,8194mm,die cast aluminum,powder coated with optical assembly miro-silver reflector or polycarbonate lens. IP20,4200K,CRI=80,LIFE RATED 50,000 h, L70 B10,P.F = 0.9
F8		LuxSpace – high efficiency sustainable solution The highly energy-efficient LuxSpace family12W 1074LM, makes it possible to achieve extremely low power consumption without sacrificing light quality in general lighting applications. This results in significant energy savings compared with traditional CFL solutions. LuxSpace features the latest LED technology and delivers reliable light output, stable color performance and high color rendering. Downlight versions are available in three sizes and four outputs - LuxSpace Micro for 152 mm cut-outs, LuxSpace Mini (round and square versions) for 150 mm cut-outs and LuxSpace Compact (round and square versions) and Compact Power for 200 mm cut-outs – covering all downlight applications. Also available for general lighting applications is LuxSpace Surface-mounted. All LuxSpace models offer a compact look and feel, and a perfect fit. They are very easy to install, and their long lifetime means an end to the hassle of relamping. There is also a choice of accessories, ensuring maximum performance in all applications. In addition to LuxSpace for general lighting applications, LuxSpace Accent is also available (in fixed, adjustable and elbow versions) for high-flux accent lighting applications
F8E		DITTO AS ABOVE ,BUT WITH EMERGENCY KIT.
F9		TurnRound IP54 water-resistant – versatile downlight TurnRound12W 630LM 3000K IP54 water-resistant is a basic range of LED downlights designed for accent, ambience and guidance lighting in retail and hospitality applications. This part of the TurnRound family is protected against water ingress and can be used in wet environments like bathrooms, toilet areas and under-canopy applications. It comprises dimmable warm-white and neutral-white versions
F9E		DITTO AS ABOVE ,BUT WITH EMERGENCY KIT.
F10		15W LED ROUND (5cm diameter) FIXTURE ,IP44 WITH GLASS COVER 2000LM
F10E		DITTO AS ABOVE ,BUT WITH EMERGENCY KIT.
F11		20w led 1520LM ,IP65 SURFACE MOUNTED FIXTURE WITH OPAL POLYCARBONATE DIFFUSER AND POLYCARBONATE BODY HOUSING ,6000K ,WITH EMERGENCY KIT FOR 3 HOURS , FOR STAIRCASES.
F12		Series Energo Darklight High quality recessed downlight with darklight effect. Recessed mounting frame: sheet steel, powder-coated. Recessed and bezel ring die-cast aluminum. Bezel ring with bayonet fixing. Heat sink made of black anodized extruded aluminum. Trumpet reflector: high purity aluminum, matt. Trumpet reflector for darklight effect. Homogeneous light distribution. Suitable for Recessed ceiling mounting. Simple mounting spring system for installation without tools. Including separate LED converter with connecting cable 400 mm. Suitable for through-wiring. The converter is compatible with DC, making it ideal for central battery systems.Through-wiring box (5 pole) available as accessory. Colour: white Diameter: 155 mm Height: 9 mm Cut-out diameter DA: 140 mm Recess height: 155 mm Luminaire recess height: 145 mm Lamp: LED Colour rendering index (CRI)85 System power: 1 10 W Rated luminous flux: 1 1250 lm Glare evaluation UGR (at 8H) 1 16,2 Colour temperature: 1 4000 K Luminous efficiency: 125 lm/W Control gear: Regulated power supply Protection class: II Type of protection IP 20
F12E		DITTO AS ABOVE ,BUT WITH EMERGENCY KIT.
F13		24W ,3550 lum. PENDANT LUMINAIRES ,IP20,SUSPENSION LENGTH500-1200 mm,4000k,D=495mm CRI=80,LIFE RATED 50,000 h, L70 B10,P.F = 0.9
F14		PENDANT LUMINAIRE ,UNINTERRUPTED LIGHT LINE WITHOUT LIGHT LEAKAGE, DIFFERENT FORMS CAN BE CONFIGURED ,DIFFUSER MADE OF PLASTIC (NON YELLOWING PMMA) WITH AN OPAL OR MICROPRISMATIC FINISH,4000K 17W/meter , 1650 lum. IP20,LIFE RATED 50,000 h, L70 B10,P.F = 0.9
F15		DIE-CAST ALUMINUM WALL MOUNTED FIXTURE WITH VANDAL PROOF OPAL POLYCARBONATE DIFFUSER & 18W COMPACT FLUORESCENT LAMP, ALUMINUM GREY COLOUR, IP-55
F16		LED STRIP 5W/m,650 lum /m, 3500k.
F17		LED TUBE 26W ,4000k,IP20
EM1		EMERGENCY LIGHTING FIXTURE, MAINTAINED/NON-MAINTAINED 2X8W FLUORESCENT LAMP, 3 HOUR DURATION, WALL MOUNTED (OVER DOOR) WITH RUN MAN SIGN, IP-54
EM2		DITTO AS EM1 BUT SUSPENDED MOUNTED
EX1		100W LED , FLOODLIGHT, WALL MOUNTED, DIE-CAST ALUMINUM HOUSING, ANODIZED ALUMINUM REFLECTOR, GALVANIZED STEEL MOUNTING BRACKET ,IP-65
EX2		54W LED , FLOODLIGHT, WALL MOUNTED, DIE-CAST ALUMINUM HOUSING, ANODIZED ALUMINUM REFLECTOR, GALVANIZED STEEL MOUNTING BRACKET ,IP-65
EX3		LED 20W ,2000lm, 100 lum/watt , 4000K,CRI=80,LIFE RATED 50,000 h,P.F > 0.9 , on top of wall ,lantern ,IP65,3000K.
EX4		POLE MOUNTED h=3m, LED LIGHTING FIXTURES IP66,26W,100LM/WATT,3000K.

POWER SYSTEM	
SYMBOL	DESCRIPTION
	13A, ONE GANG SOCKET SWITCHED OUTLET, WALL MOUNTED, IP-20, WITH LED, & WHITE COVER PLATE. A.F.C. ABOVE FALSE CEILING. C. CEILING MOUNTING
	13A, ONE GANG SOCKET SWITCHED OUTLET, WALL MOUNTED, WATER PROOF ,IP-44.
	13A, DOUBLE GANG SOCKET SWITCHED OUTLET, WALL MOUNTED IP-20, WITH LED, & WHITE COVER PLATE.
	13A, DOUBLE GANG SOCKET SWITCHED OUTLET, WALL MOUNTED ,WATER PROOF ,IP-44.
	SPH, R&A INDUSTRIAL SOCKET OUTLET.
	13A SWITCHED FUSED CONNECTION UNIT WITH NEON AND FLEX OUTLET
	13A (UN)SWITCHED FUSED CONNECTION UNIT WITH NEON AND FLEX OUTLET
	20A DOUBLE POLE SWITCH ,WITH FLEX OUTLET IN BASE,NEON AND HARNED.
	POWER POINT
	POINT FOR WARNING LIGHT ABOVE X-RAY ROOM DOOR,CONNECTED WITH X-RAY MACHINE.
	3- COMPARTMENT FLOOR BOX COMPRISED OF 2No.13A DUPLEX BRITISH STANDARD SOCKET OUTLET,1No. DATA OUTLET, 1No. TELEPHONE OUTLET.
	3- COMPARTMENT FLOOR BOX COMPRISED OF 2No.13A DUPLEX BRITISH STANDARD SOCKET OUTLET,1No. DATA OUTLET, 1No. TELEPHONE OUTLET, 1 NO. HDV OUTLET.
	SPN, ISOLATING SWITCH, IP-45 (FOR RATING REFER TO DRAWINGS). P. DENOTES PEDESTAL MOUNTED
	TPN, ISOLATING SWITCH, IP-45 (FOR RATING REFER TO DRAWINGS). P. DENOTES PEDESTAL MOUNTED
	UNINTERRUPTIBLE POWER SUPPLY SYSTEM (UPS) COMPLETE WITH BY -PASS SWITCH " ON, OFF,BY-PASS" FINAL DISTRIBUTION BOARD (IDB)
	SUBMAIN DISTRIBUTION BOARD: (SMDB)
	MAIN DISTRIBUTION BOARD (MDB)
	MOTOR CONTROL CENTER (MCC)
	AUTOMATIC TRANSFER SWITCH
	POWER TRANSFORMER
	DIESEL STANDBY GENERATOR
	(1mx1mx0.8m)ELECTRICAL MANHOLE
	(0.8mx0.8mx0.6m)LOW CURRENT MANHOLE

PUBLIC ADDRESS & VOICE EVACUATION SYSTEM	
	LOUD SPEAKER RECESSED MOUNTED, 6W C/W TAP- CHANGING TRANSFORMER COLOR TO MATCH FALSE CEILING
	10W ,WALL MOUNTED SPEAKER.
	BACKGROUND MUSIC AND PUBLIC ADDRESS SYSTEM MAIN RACK.
	4 CH POWER AMPLIFIER.
	PAGING MIC
	END OF LINE

LIGHTING SWITCHES	
SYMBOL	DESCRIPTION
	10A, 1 GANG , 1 WAY SWITCH
	10A, 2 GANG , 1 WAY SWITCH
	10A, 3 GANG , 1 WAY SWITCH
	10A, 1 GANG , 2 WAY SWITCH
	10A, 2GANG , 2 WAY SWITCH
	10A, 3GANG , 3 WAY SWITCH
	10A, 1 GANG INTERMEDIATE SWITCH
	10A, 2 GANG INTERMEDIATE SWITCH
	GRID SWITCH

TELEPHONE AND DATA SYSTEMS	
SYMBOL	DESCRIPTION
	2NO. RJ45, DATA AND TELEPHONE OUTLETS
	1 NO.RJ45, DATA OUTLET
	1 NO.RJ45, TELEPHONE OUTLET
	2NO. RJ45, DATA OUTLETS
	24 PORT PATCH PANELS
	PDE SWITCH
	PRIVATE AUTOMATIC BRANCH EXCHANGE .
	LOW CURRENT SYSTEMS CABLE TRAY
	INTERMEDIATE DISTRIBUTION FRAME
	IP CAMERA WITH 5 MEGA PIXEL High Resolution
	IP CAMERA (WATER PROOF) WITH 8 MEGA PIXEL High Resolution,IP66
	IP DOME CAMERA WITH 5 MEGA PIXEL High Resolution
	HD OUTLET
	19" RACK CABINET FOR NVRS
	LED MONITOR 55"
	NETWORK VIDEO RECORDER.
	DATA CENTER RACK CABINET

ACCESS CONTROL SYSTEM	
FIGURE	DESCRIPTION
	ACCESS CONTROLLED DOOR
	CARD READER
	REQUEST TO EXIT BUTTON
	END OF LINE
	24 VAC POWER SUPPLY
	ACCESS CONTROLLED PANEL FOR TWO DOORS

FIRE DETECTION & ALARM SYSTEM	
SYMBOL	DESCRIPTION
	PHOTOELECTRIC SMOKE DETECTOR (ANALOGUE ADDRESSABLE TYPE)
	HEAT DETECTOR (ANALOGUE ADDRESSABLE TYPE)
	SHORT CIRCUIT ISOLATOR DEVICE
	CONTROL MODULE
	FIRE ALARM CONTROL PANEL (MAIN PANEL)
	ADDRESSABLE TYPE INDOOR MANUAL CALL POINT
	ADDRESSABLE TYPE INDOOR SOUNDER AND FLASHER
	MONITOR MODULE UNIT.
	DUCT DETECTOR
	OPTICAL BEAM DETECTOR (TRANSMITTER & RECEIVER)
	PHOTOELECTRIC SMOKE DETECTOR WALL MOUNTED (ANALOGUE ADDRESSABLE TYPE)

CONFERENCE SYSTEM	
SYMBOL	DESCRIPTION
	Digital Audio Processor For Conference System
	Digital Network Conference Processor
	2 CHANNELS 50W POWER AMPLIFIER
	Recording Unit
	AUDIO MIXER
	HD MIXER MATRIX HOST BOX
	HD video Conference Camera,19X,1080P HD,high performance, wide viewing angle,large zoom ratio
	CEILING SPEAKER
	CHAIRMAN AND DELEGATE UNITS WITH MICROPHONE
QUEUING SYSTEM	
SYMBOL	DESCRIPTION
	CEILING SPEAKER
	KEYPAD COUNTER TERMINAL
	COUNTER DISPLAY
	WAITING AREA DISPLAY
	CENTRAL CONTROL UNIT QUEUING STSTEM

NOTE

1-THE ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, MECHANICAL AND SPECIALIST DRAWINGS AND SPECIFICATIONS.

2-DO NOT SCALE FROM THE ELECTRICAL DRAWING LAYOUTS. WORK ACCORDING TO ARCHITECTURAL AND ELECTRICAL DETAILS.

3-CONDUIT SIZES SHALL BE SELECTED IN ACCORDANCE WITH THE RELEVANT B.S REGULATIONS AND LOCAL REGULATIONS.

4-MINIMUM CONDUIT SIZE TO BE # 20mm

5-ALL OUTLETS, SWITCHES, BOXES, ISOLATING SWITCHES AND FITTINGS IN PLANT ROOMS AND/OR EXPOSED TO EXTERNAL ENVIRONMENT SHALL BE IP-54.

6-ALL ELECTRICAL INSTALLATIONS IN CAR PARKS, ELECTRICAL & MECHANICAL PLANT ROOMS SHALL BE SURFACE TYPE USING GALVANIZED STEEL CONDUITS, TRUNKING & TRAYS

7-ALL SOCKET OUTLETS SHALL BE MINIMUM OF 13 AMPERE RATED UNLESS OTHER WISE INDICATED.

8-ALL CONCEALED RISING CONDUITS SHALL RUN IN THE WALLS OR COLUMNS, CONDUITS SHALL NOT RUN IN PLASTER.

9-DRAWINGS ARE UNBIDNOMATIC ONLY. CONTRACTOR SHALL ESTABLISH EXACT LOCATION OF LIGHTING FIXTURES, SMOKE DETECTORS ,etc. IN FULL COORDINATION WITH OTHER SERVICES AND TO THE ENGINEER APPROVAL.

10-LIGHTING FIXTURE IN MECHANICAL ROOMS, SUBSTATION, ELECTRICAL ROOMS ... etc. SHALL BE INSTALLED IN FULL COORDINATION WITH CABLE TRAYS, HVAC DUCTS, CONDUIT ,etc. AND BE CHAIN SUSPENDED WHERE REQUIRED.

11-CONDUIT SIZES CALLED OUT ON THE DRAWINGS ARE NOT NECESSARILY BASED ON THE MINIMUM SIZE ALLOWED BY THE CODES AND MAY BE PURPOSELY OVERSIZED TO AVOID EXCESS CONDUIT HEATING AND VOLTAGE DROP.

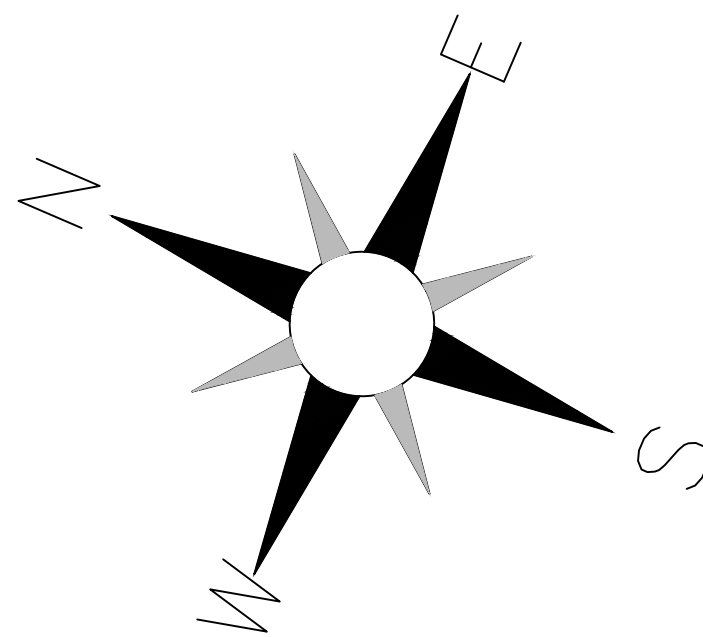
12-ALL CIRCUITS SHALL INCLUDE AN INSULATED GREEN GROUNDING CONDUCTOR. THIS CONDUCTOR SHALL BE CARRIED IN ALL RACKWAYS INCLUDING THOSE INSTALLED FOR SWITCH LEADS AND SHALL BE CONNECTED TO THE DEVICE, LUMINAIRES, SOCKET OUTLET OR EQUIPMENT HOUSING USING A SUITABLE GROUNDING LUG.

13-RATING OF ALL MCCBs AND BUS-BARS,...etc. SHOWN ON THE DRAWINGS AT 40C AMBIENT TEMPERATURE.

14-EARTHING OF ALL EQUIPMENT SHALL BE IN ACCORDANCE WITH THE RELEVANT B.S REQUIREMENTS.

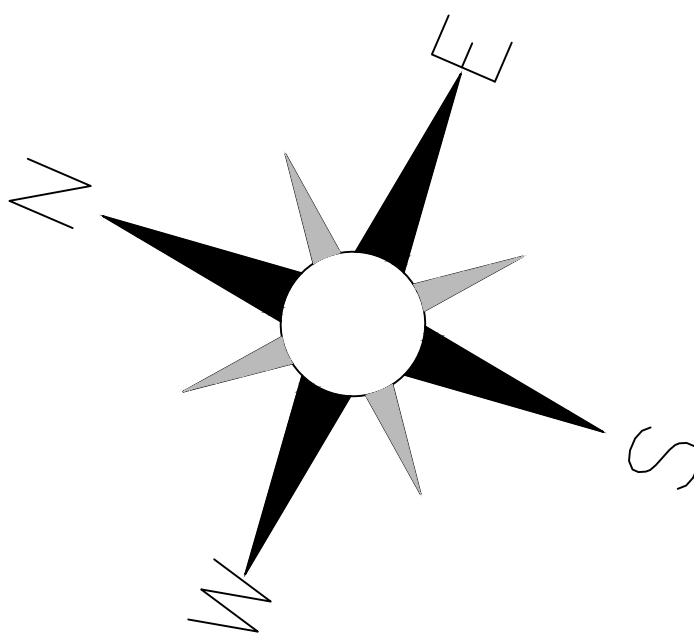
15-ALL MINATURE CIRCUIT BREAKERS SHALL HAVE A MINIMUM BREAKING CAPACITY OF 9KA

16-ALL ELCCBs SHALL HAVE A MINIMUM BREAKING CAPACITY OF 10KA.



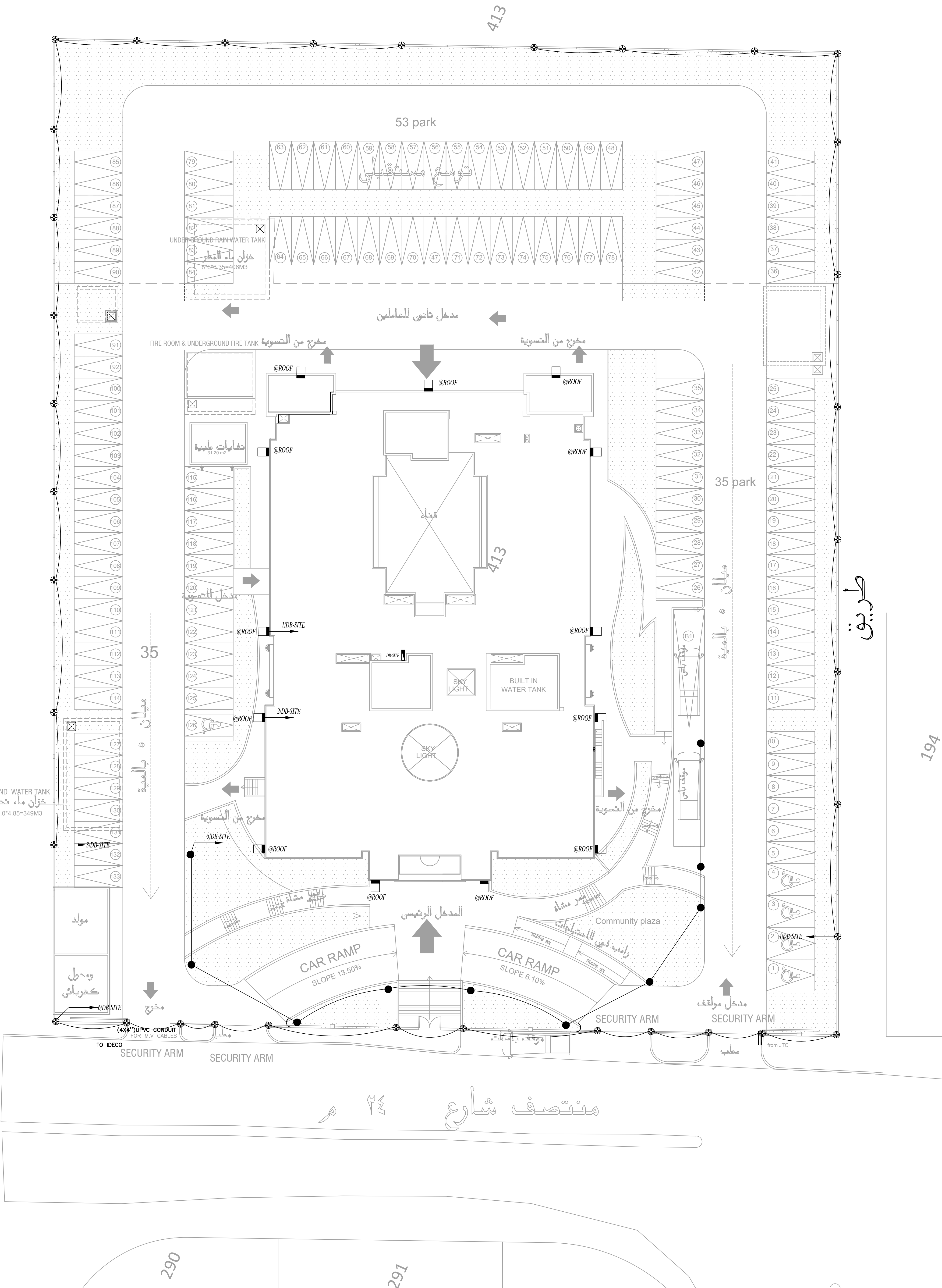
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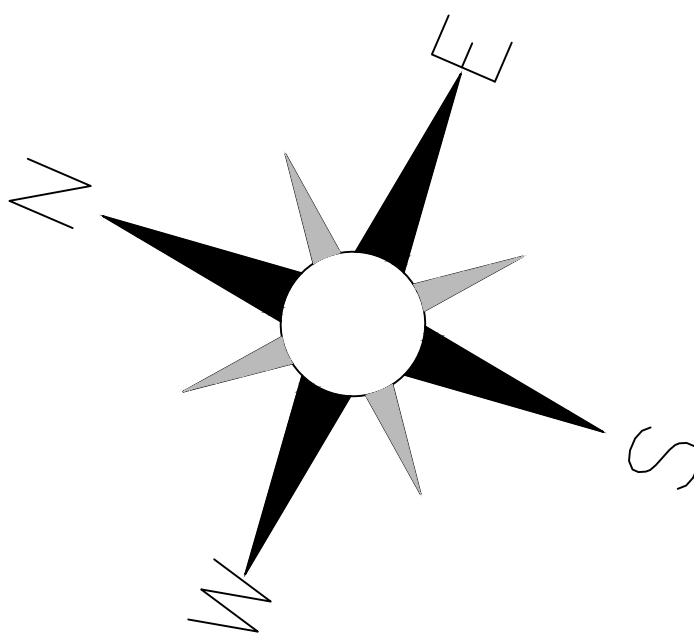
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BASIN	:	40 ALMUSRIB ALSHAMALIU
REV. MARK	DATE	MADE BY
CLIENT	NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS	
M P C E	MADI & PARTNERS CONSULTING ENGINEERS TEL:5829640-5829641 FAX:5829642 e-mail : mpce@index.com.jo	
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY	
DRG. TITLE	LEGEND AND LIST OF ELECTRICAL DRAWINGS	
DRAWN BY	: ELEC.T	SCALE: N.T.S
DESIGNED BY	: A.F	DATE : DEC.-2023
CHECKED BY	: S.J	PROJECT No. DRAWING No.
APPROVED BY:	S.J	E-000



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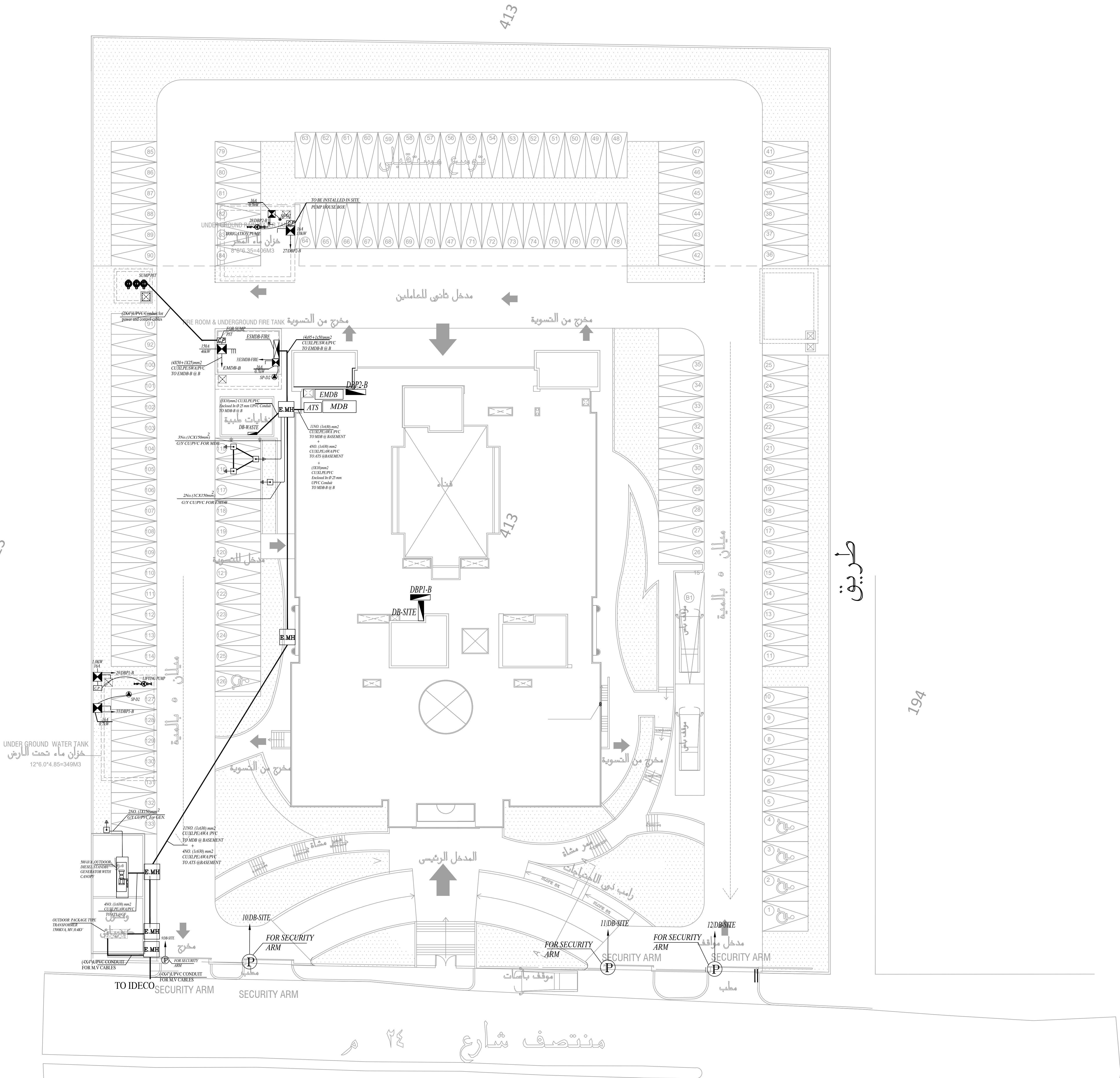
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PROJECT		NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY			
RG. TITLE		SITE PLAN LIGHTING SYSTEM LAYOUT			
DRAWN BY : ELEC.T				SCALE : 1:200	
DESIGNED BY : A.F				DATE : DEC.-2023	
CHECKED BY : S.J				PROJECT No.	
APPROVED BY: S.J				DRAWING No. E-001	

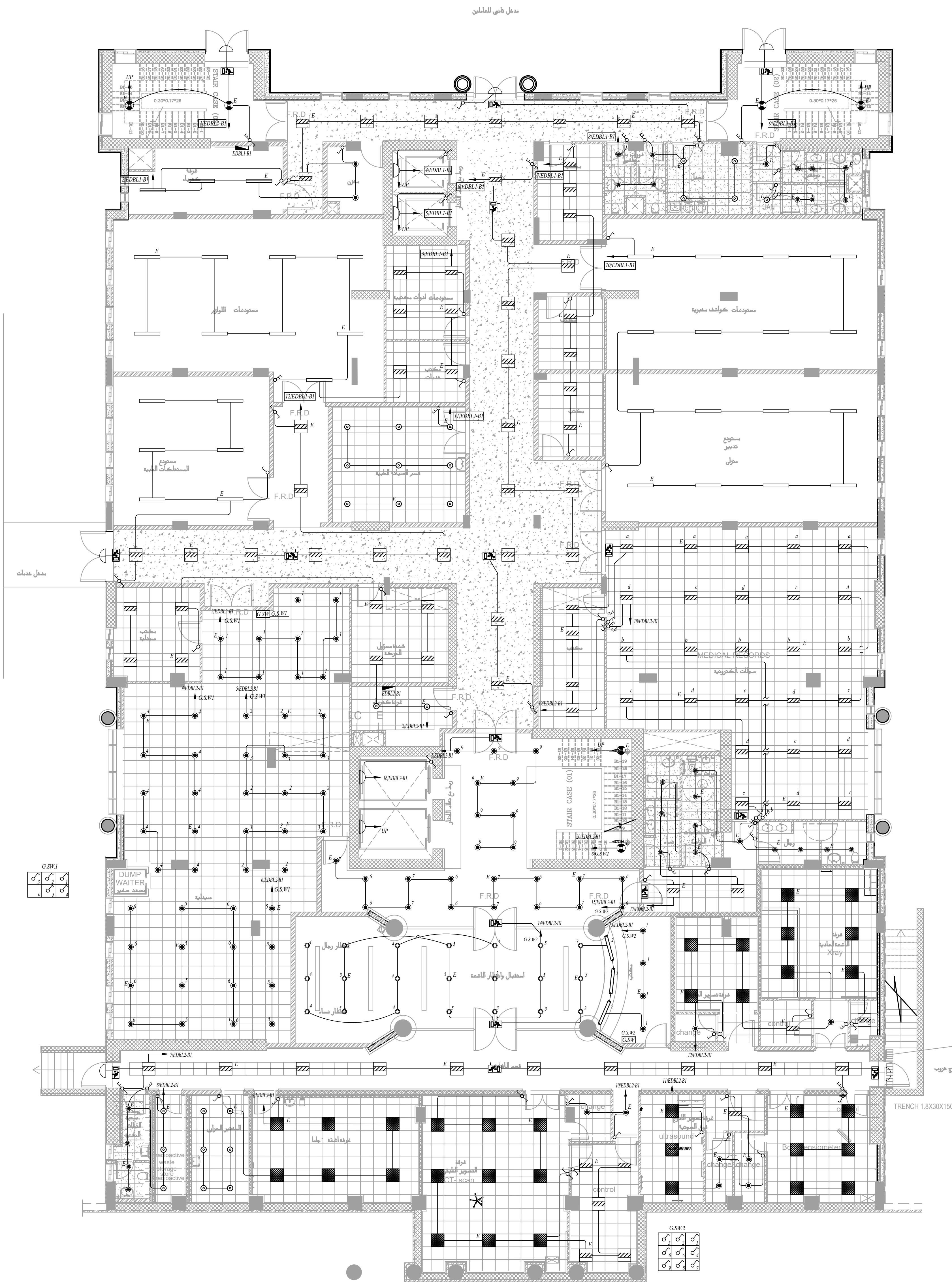




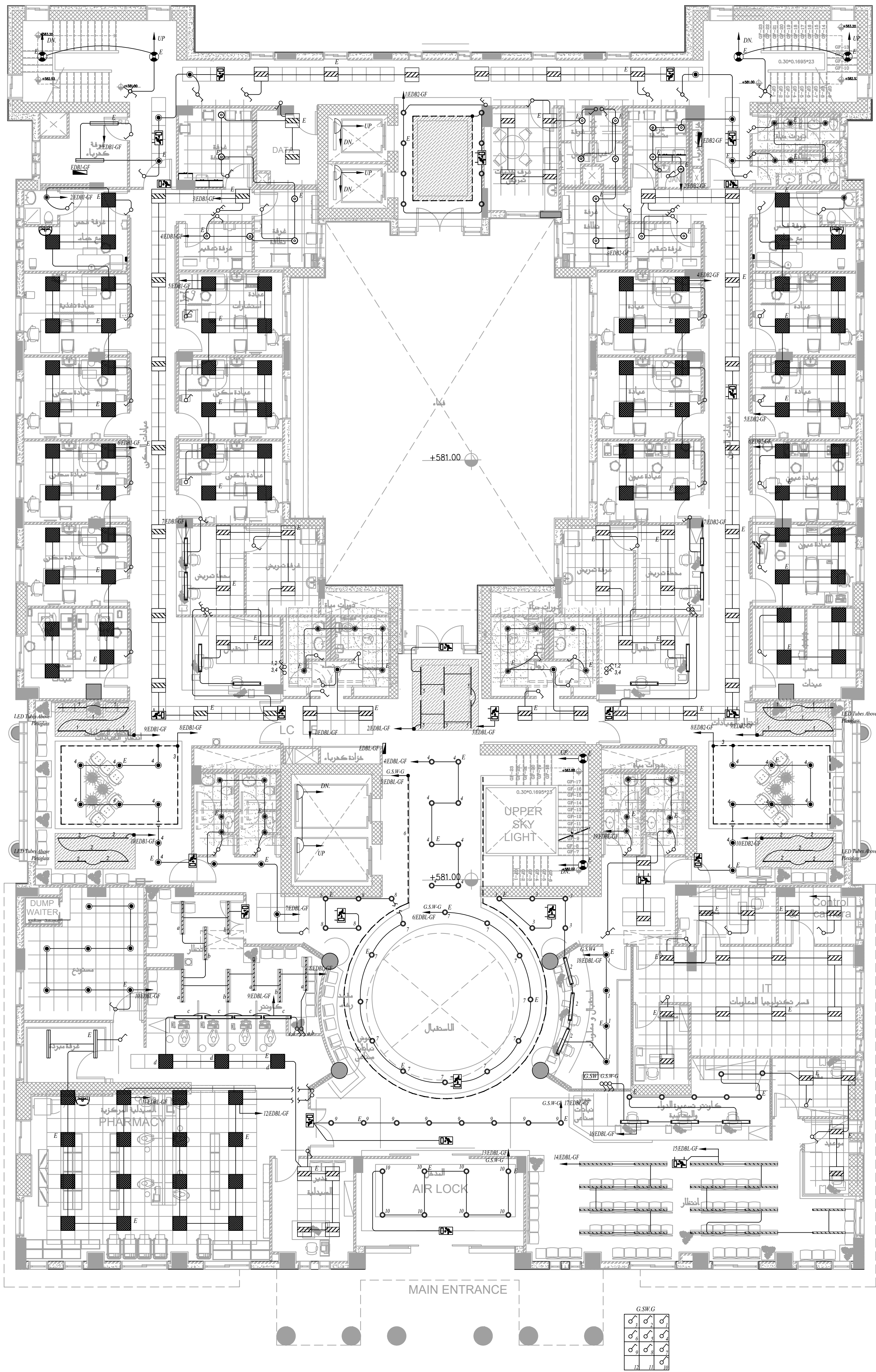
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PROJECT		NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY			
DRG. TITLE		SITE PLAN POWER SYSTEM LAYOUT			
DRAWN BY			:		ELEC.T
DESIGNED BY			:		A.F
CHECKED BY			:		S.J
APPROVED BY			:		S.J
			SCALE : 1:200		
			DATE : DEC. - 2023		
			PROJECT No.		DRAWING No.
					E-002

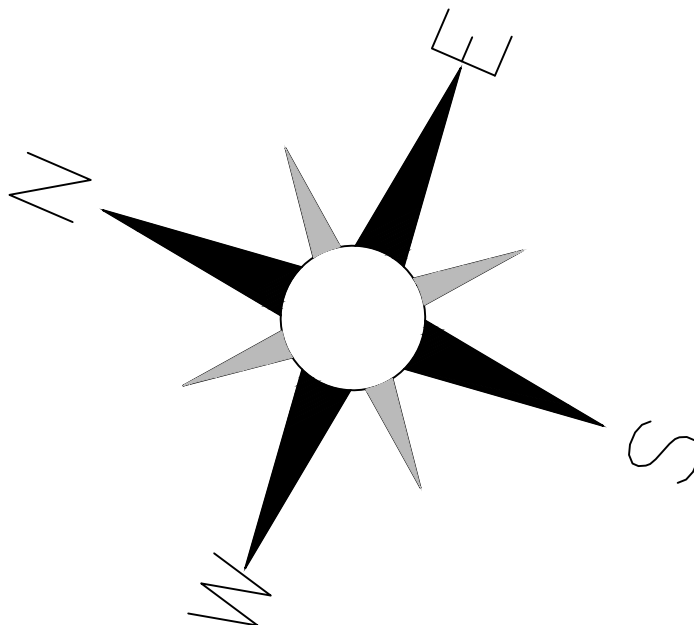




طابق التسمية

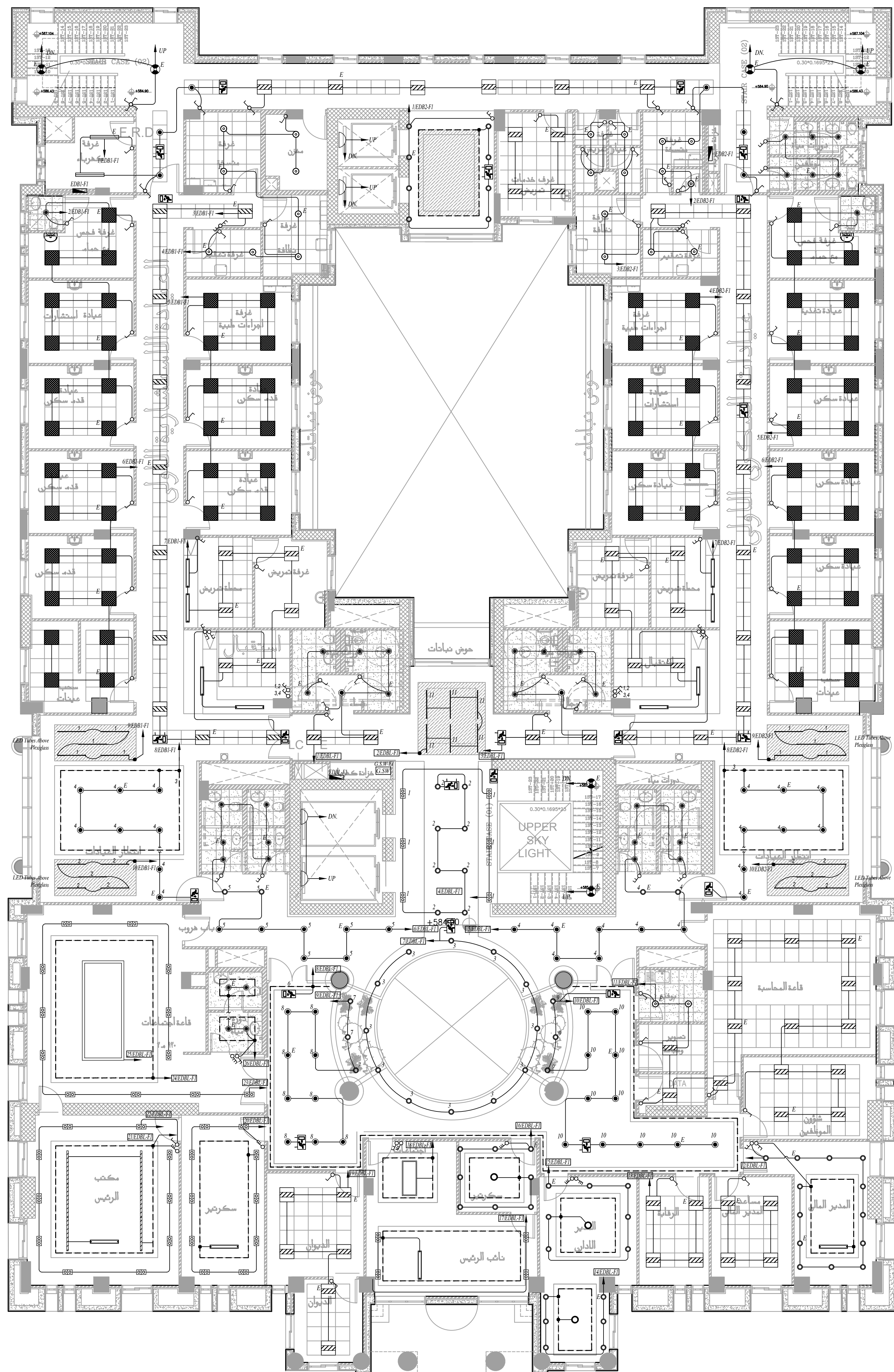


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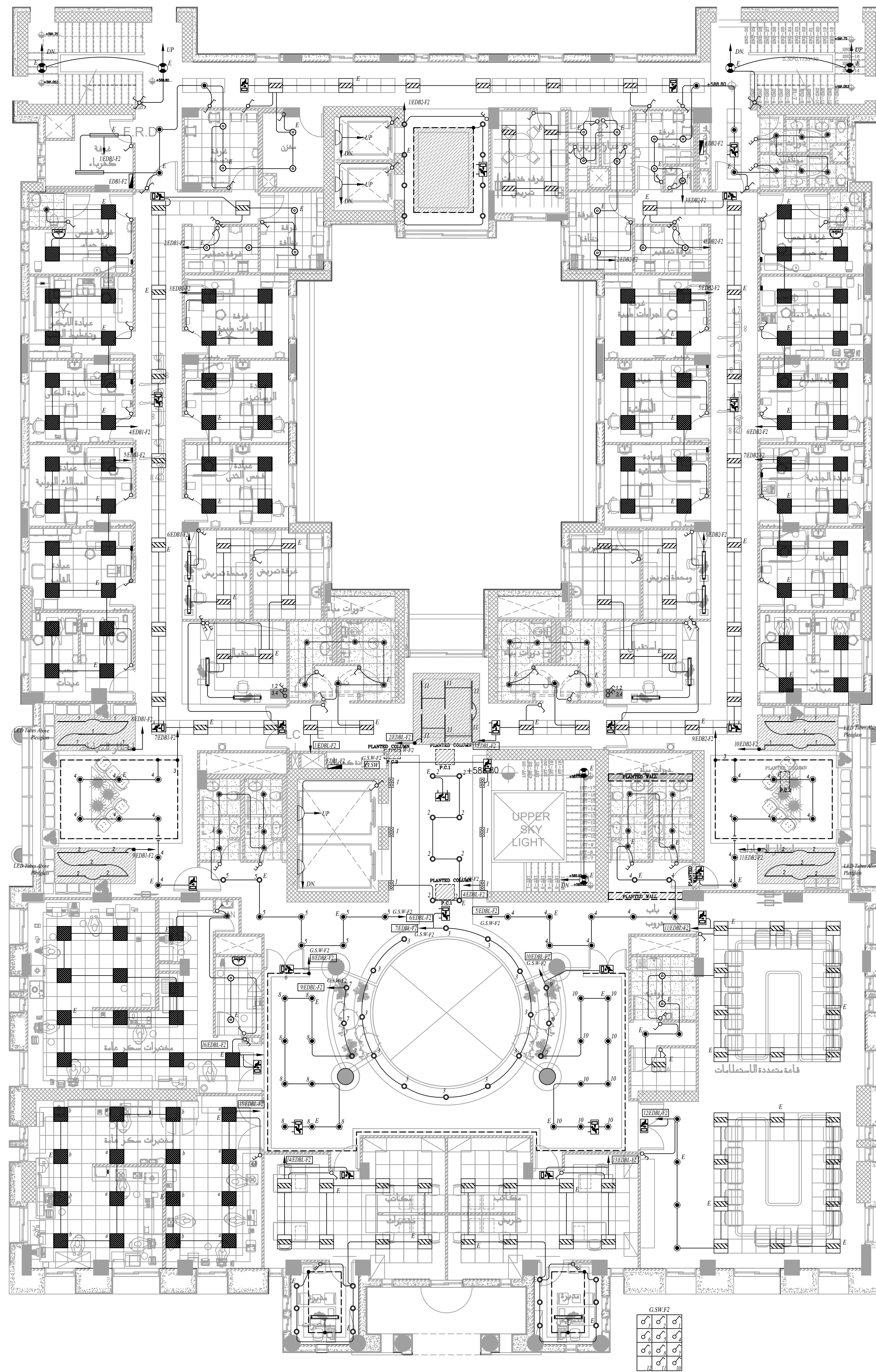


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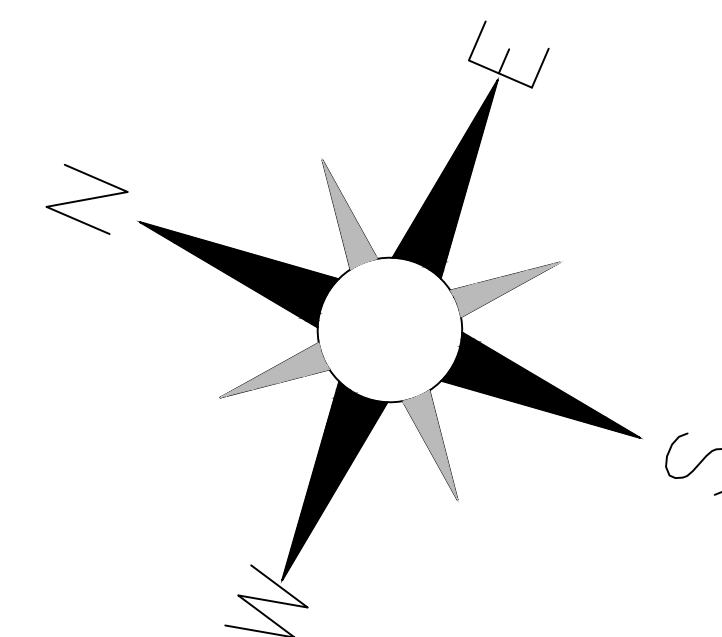
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PROJECT		NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY			
DRG. TITLE		BASEMENT AND GROUND FLOOR LIGHTING SYSTEM LAYOUT			
DRAWN BY : ELEC.T				SCALE: 1:100	
DESIGNED BY : A.F				DATE : DEC.-2023	
CHECKED BY : S.J				PROJECT No.	
APPROVED BY: S.J				DRAWING No. E-100	



الطابق الاول



الطابق الثاني



NOTES:

PLOT NO : 413
DISTRICT : IRBID
BASIN : 40 ALMUSRIB ALSHAMALI

REV. MARK DATE MADE BY REMARKS

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ENDOCRINOLOGY AND GENETICS

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PROJECT NATIONAL DIABETES AND ENDOCRINOLOGY
CENTER BUILDING IN IRBID CITY

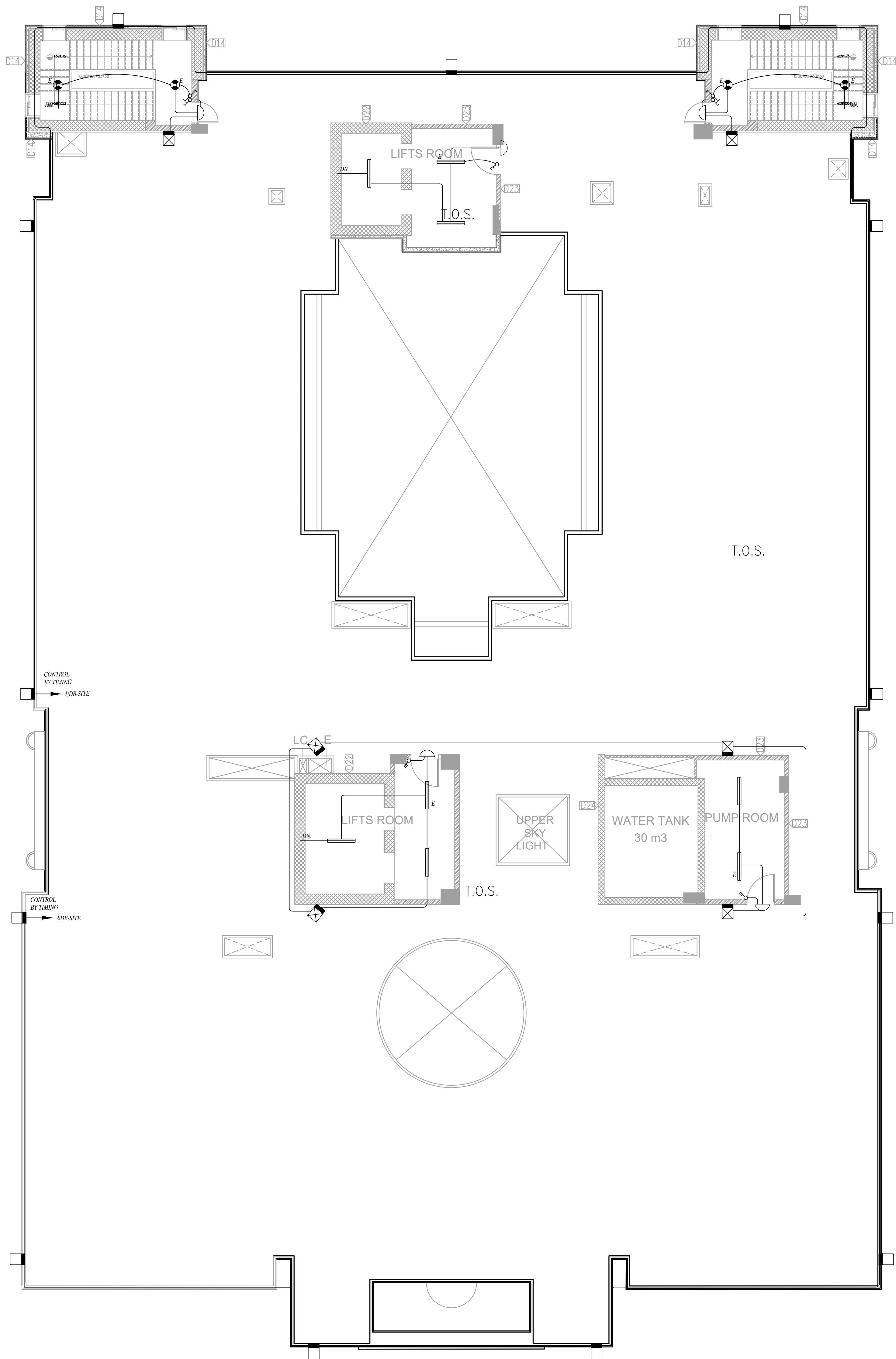
DRG. TITLE FIRST AND SECOND FLOOR
LIGHTING SYSTEM LAYOUT

DRAWN BY : ELEC.T SCALE: 1:100

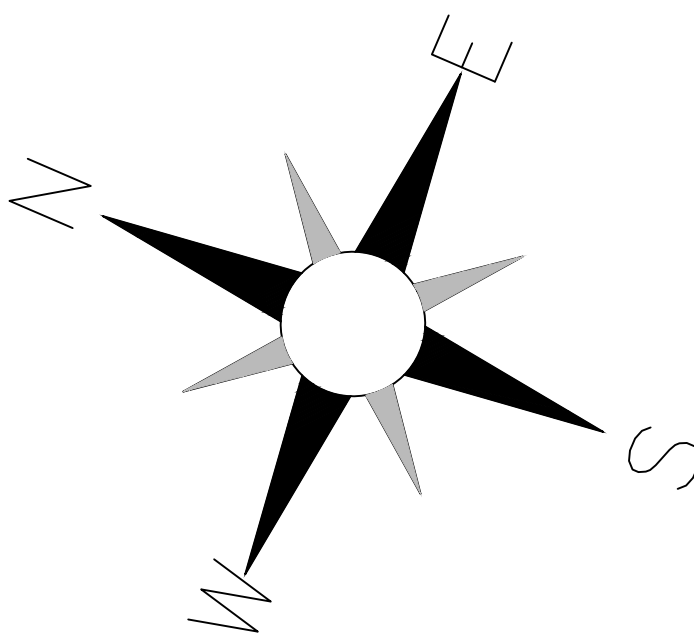
DESIGNED BY : A.F DATE : DEC.-2023

CHECKED BY : S.J PROJECT No. DRAWING No.

APPROVED BY: S.J E-101

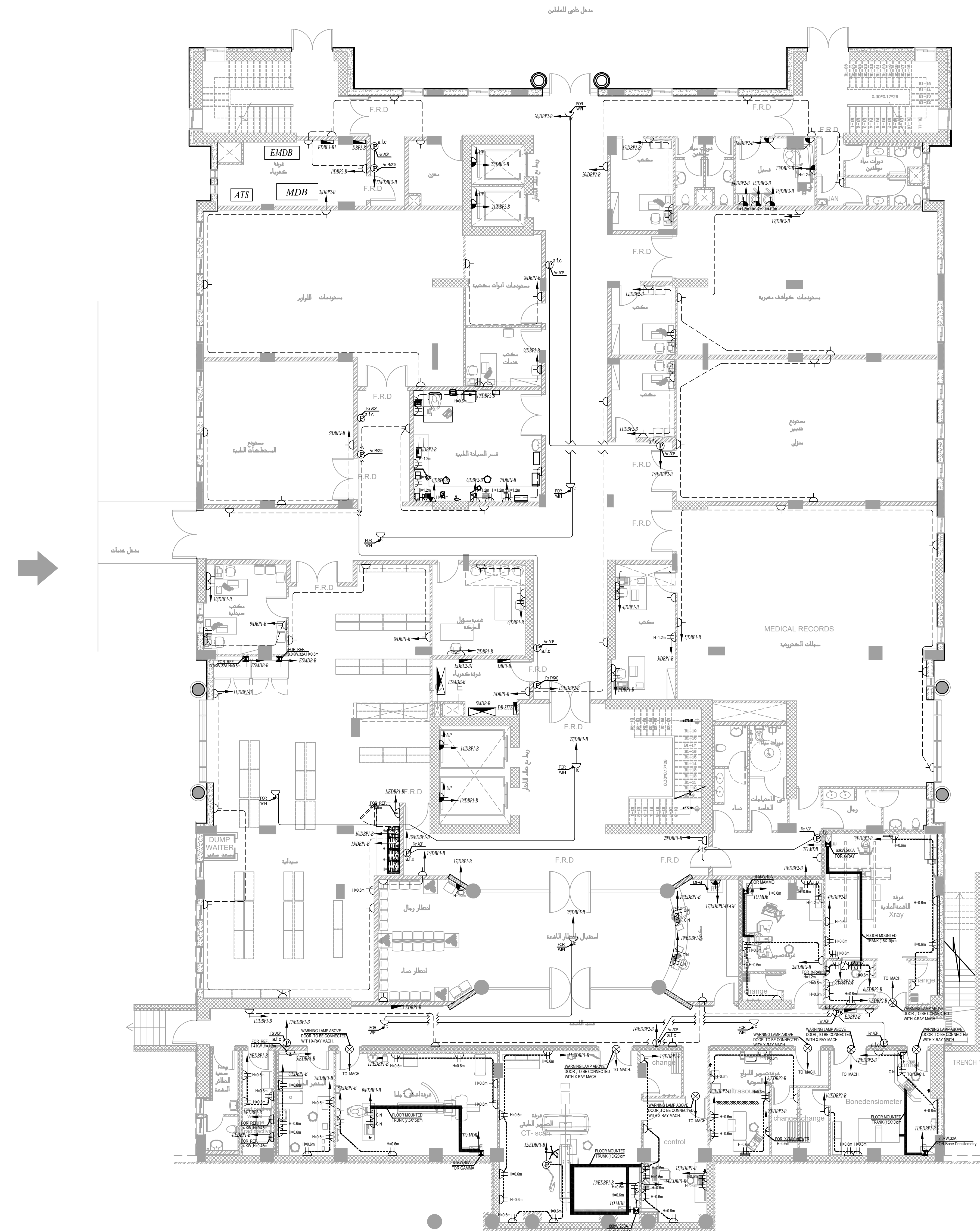


طابق الروف

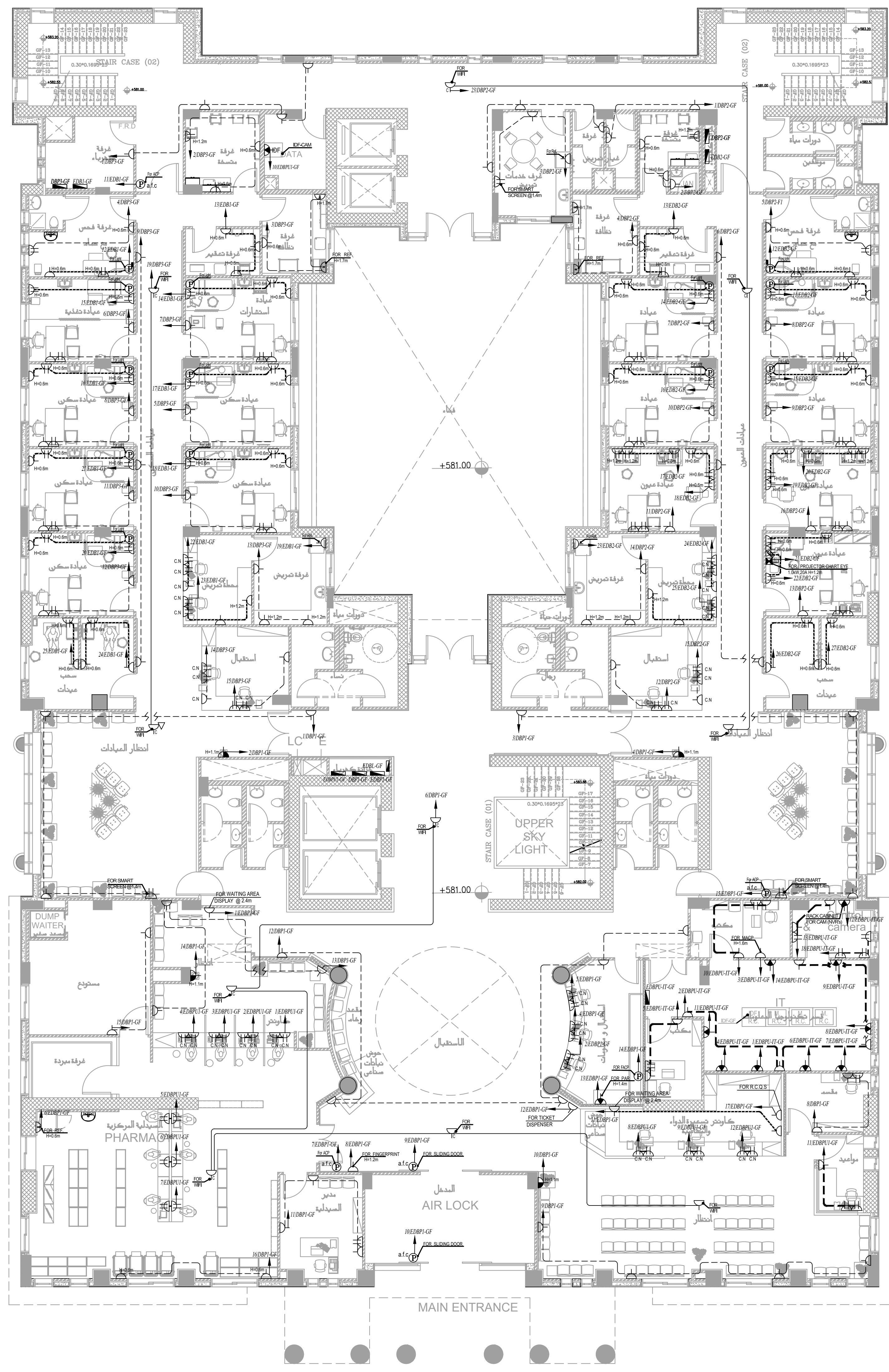


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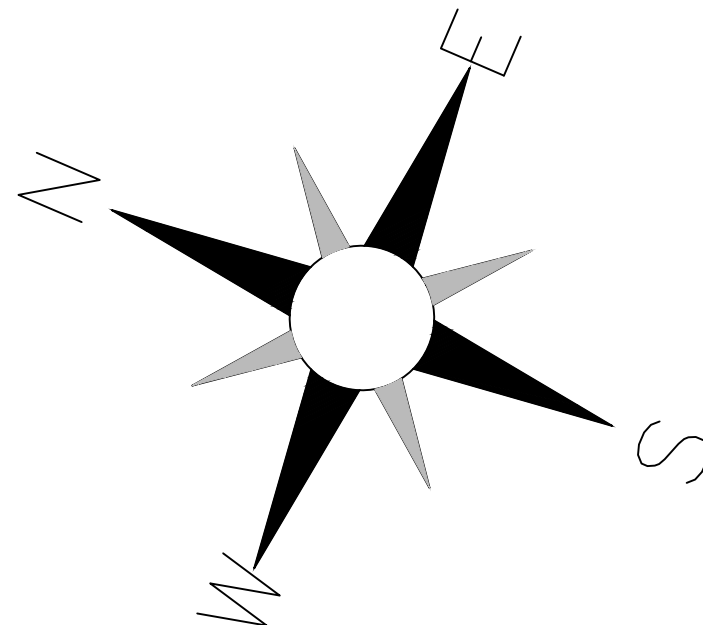
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REV. MARK	DATE	MADE BY	REMARKS
CLIENT	NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS		
MP CE	MADI & PARTNERS CONSULTING ENGINEERS TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo		
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY		
DRG. TITLE	ROOF FLOOR LIGHTING SYSTEM LAYOUT		
DRAWN BY : ELEC.T		SCALE: 1:100	
DESIGNED BY : A.F		DATE : DEC.-2023	
CHECKED BY : S.J		PROJECT No.	DRAWING No. E-102
APPROVED BY: S.J			



طابق الصنوية



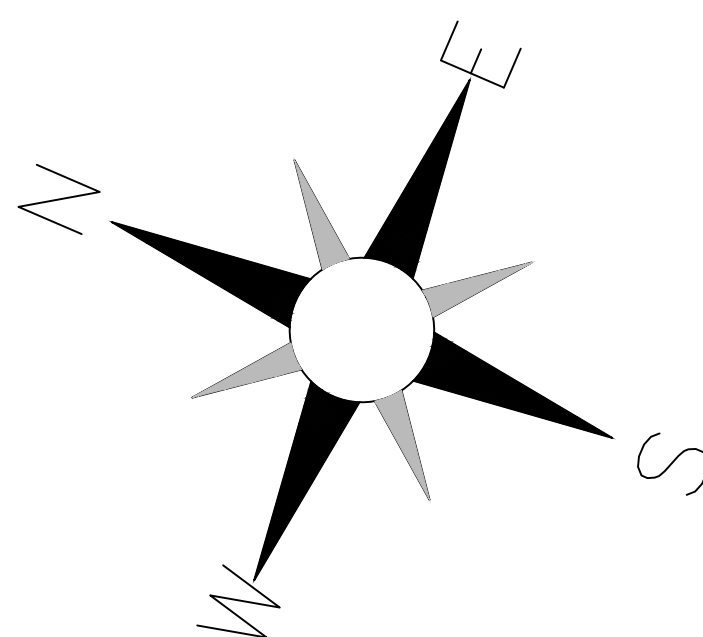
الطابق الأرضي



NOTES:

- Normal Connection
- Emergency Connection
- UPS Connection

PLOT NO		:	413	
DISTRICT		:	IRBID	
BASIN		:	40 ALMUSRIB ALSHAMALI	
REV.	MARK	DATE	MADE BY	REMARKS
CLIENT		NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS		
MPC E		MADI & PARTNERS CONSULTING ENGINEERS TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo		
PROJECT		NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY		
DRG. TITLE		BASEMENT AND GROUND FLOOR POWER SYSTEM LAYOUT		
DRAWN BY : ELEC.T			SCALE: 1:100	
DESIGNED BY : A.F			DATE : DEC.-2023	
CHECKED BY : S.J			PROJECT No.	
APPROVED BY: S.J			DRAWING No. E-200	



NOTES:

- Normal Connection
- Emergency Connection
- UPS Connection

PLOT NO : 413

DISTRICT : IRBID

BASIN : 40 ALMUSRIB ALSHAMALIJI

CLIENT NATIONAL CENTER FOR DIABETES
ENDOCRINOLOGY AND GENETICS

MP MADI & PARTNERS CONSULTING ENGINEERS
C E TEL:5829640-5829641 FAX:5829642
e-mail : mpce@index.com.jo

PROJECT NATIONAL DIABETES AND ENDOCRINOLOGY
CENTER BUILDING IN IRBID CITY

DRG. TITLE FIRST AND SECOND FLOOR
POWER SYSTEM LAYOUT

DRAWN BY : ELEC.T

SCALE: 1:100

DESIGNED BY : A.F

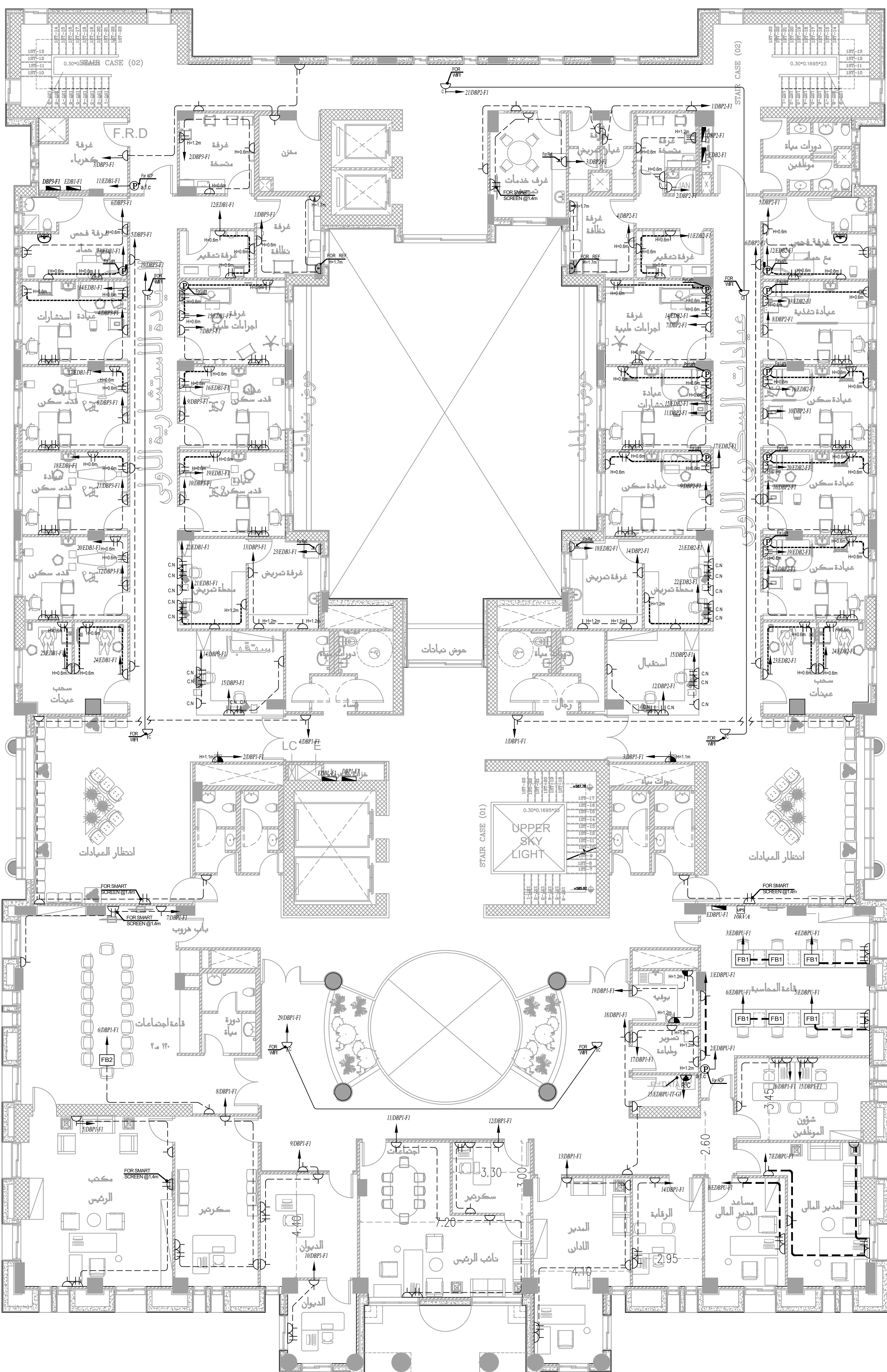
DATE : DEC.-2023

CHECKED BY : S.J

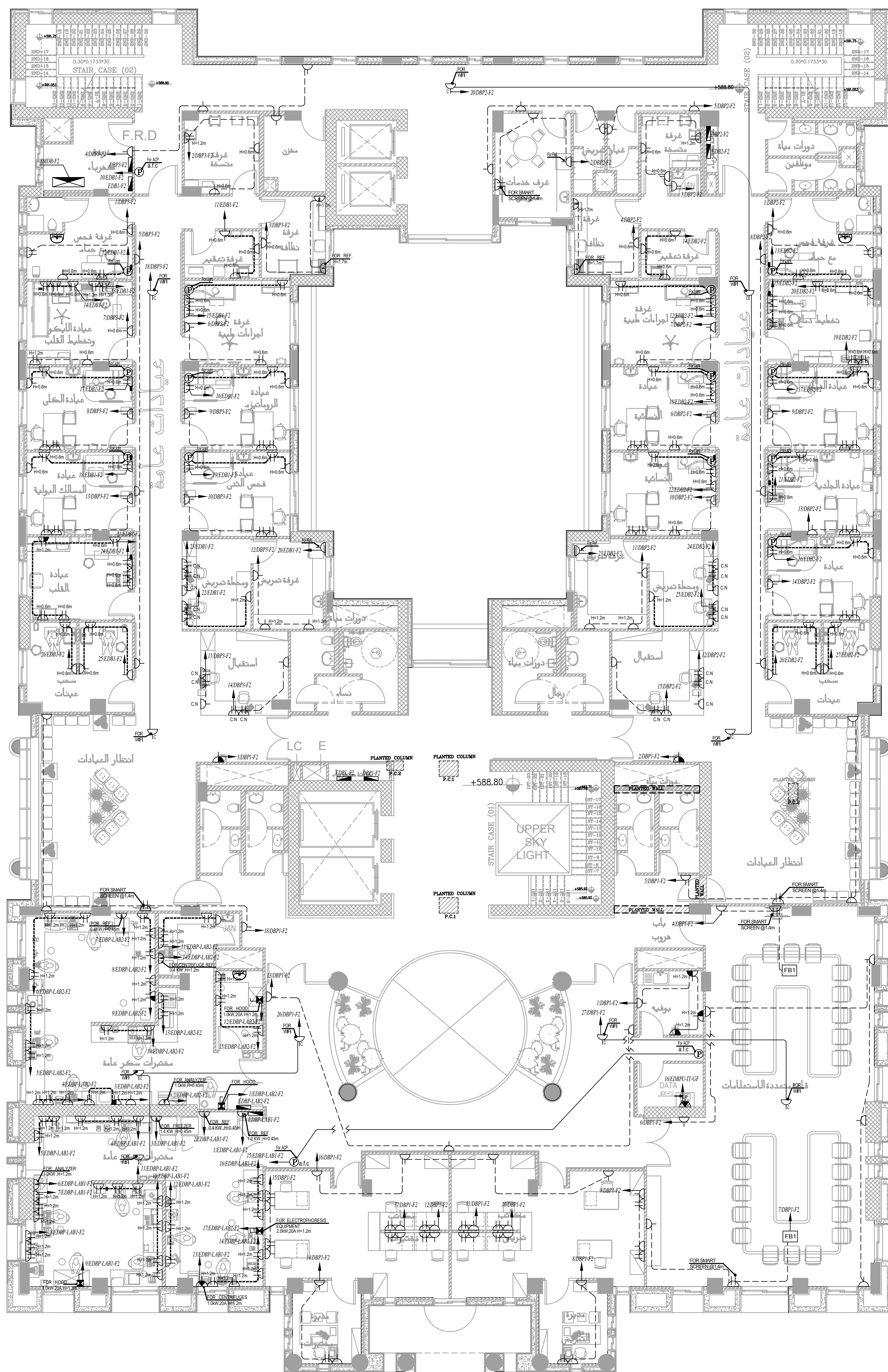
PROJECT No. DRAWING No.

APPROVED BY: S.J

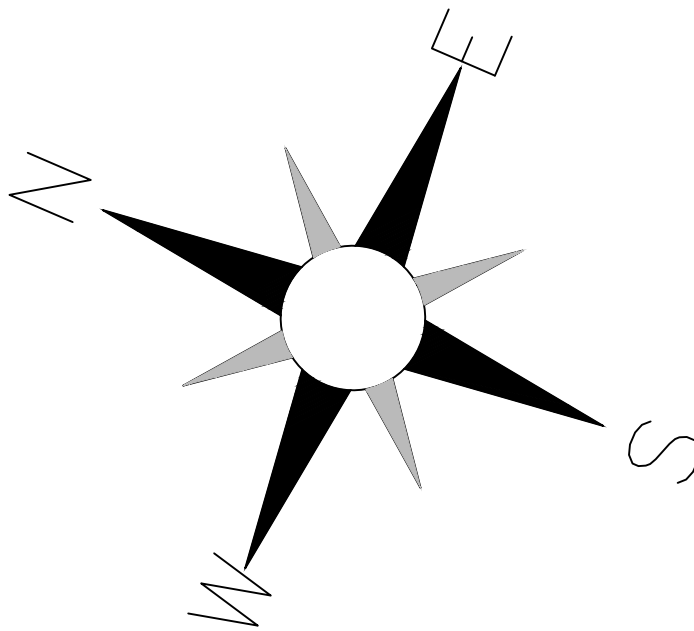
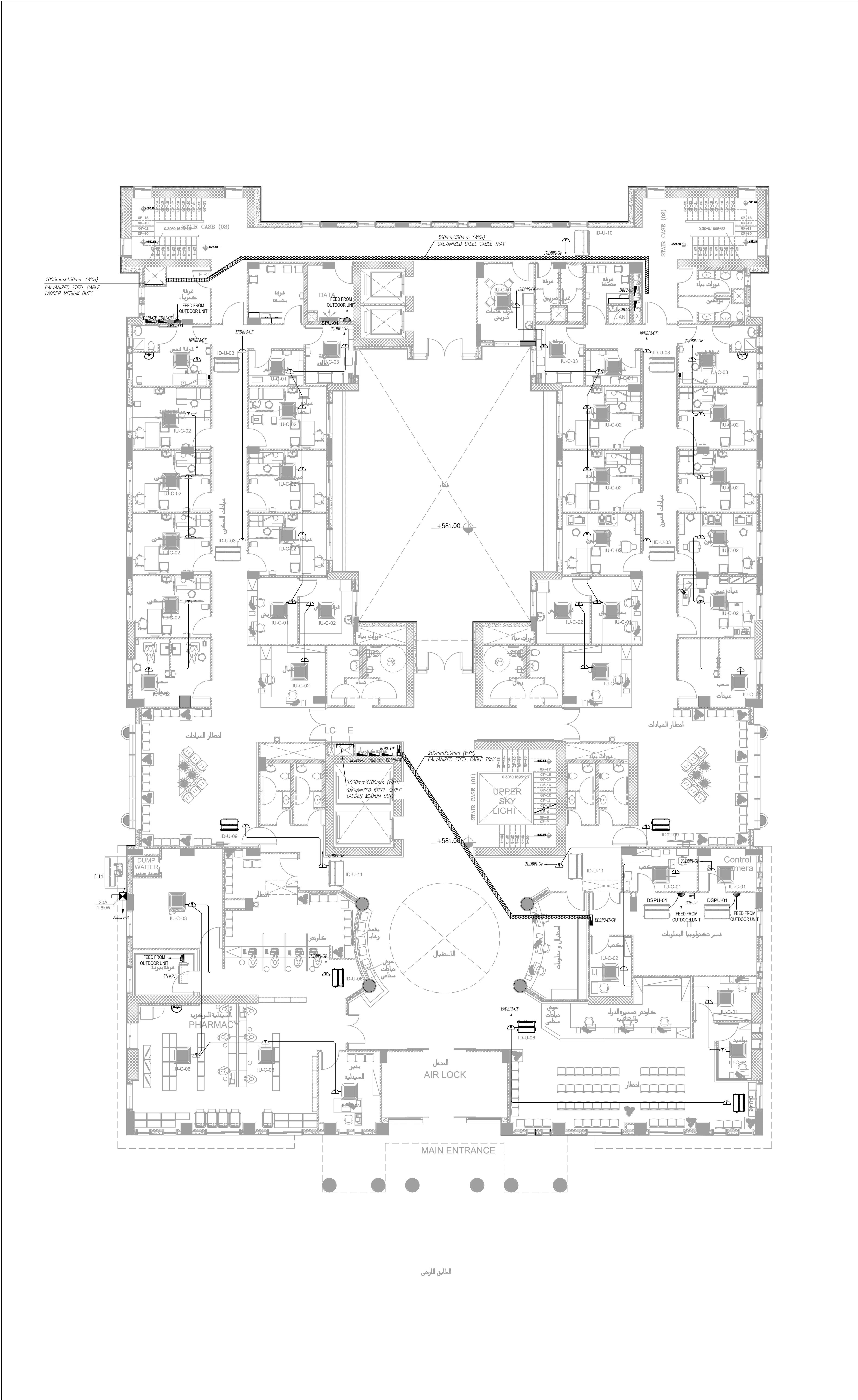
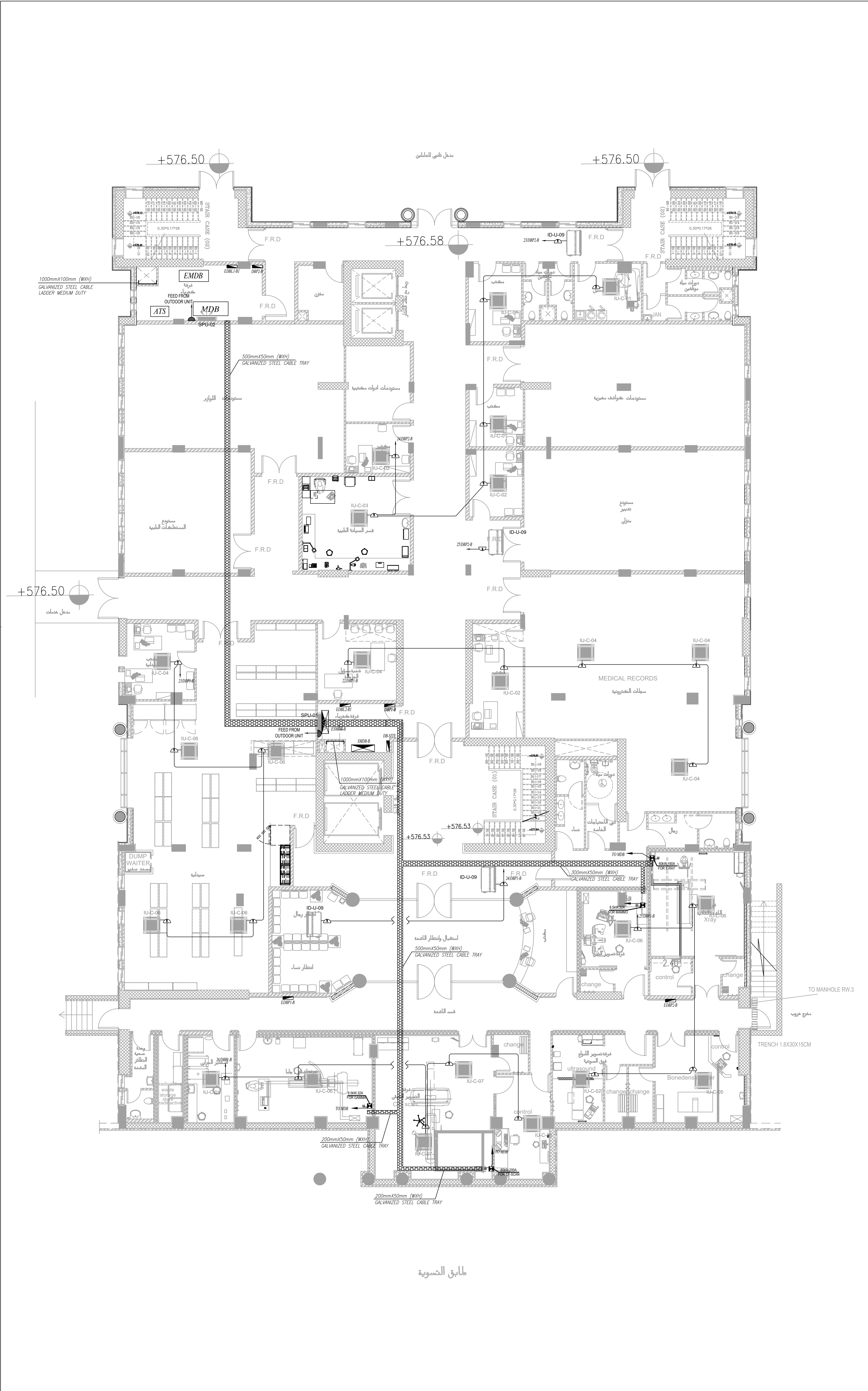
E-201



الطابق الاول

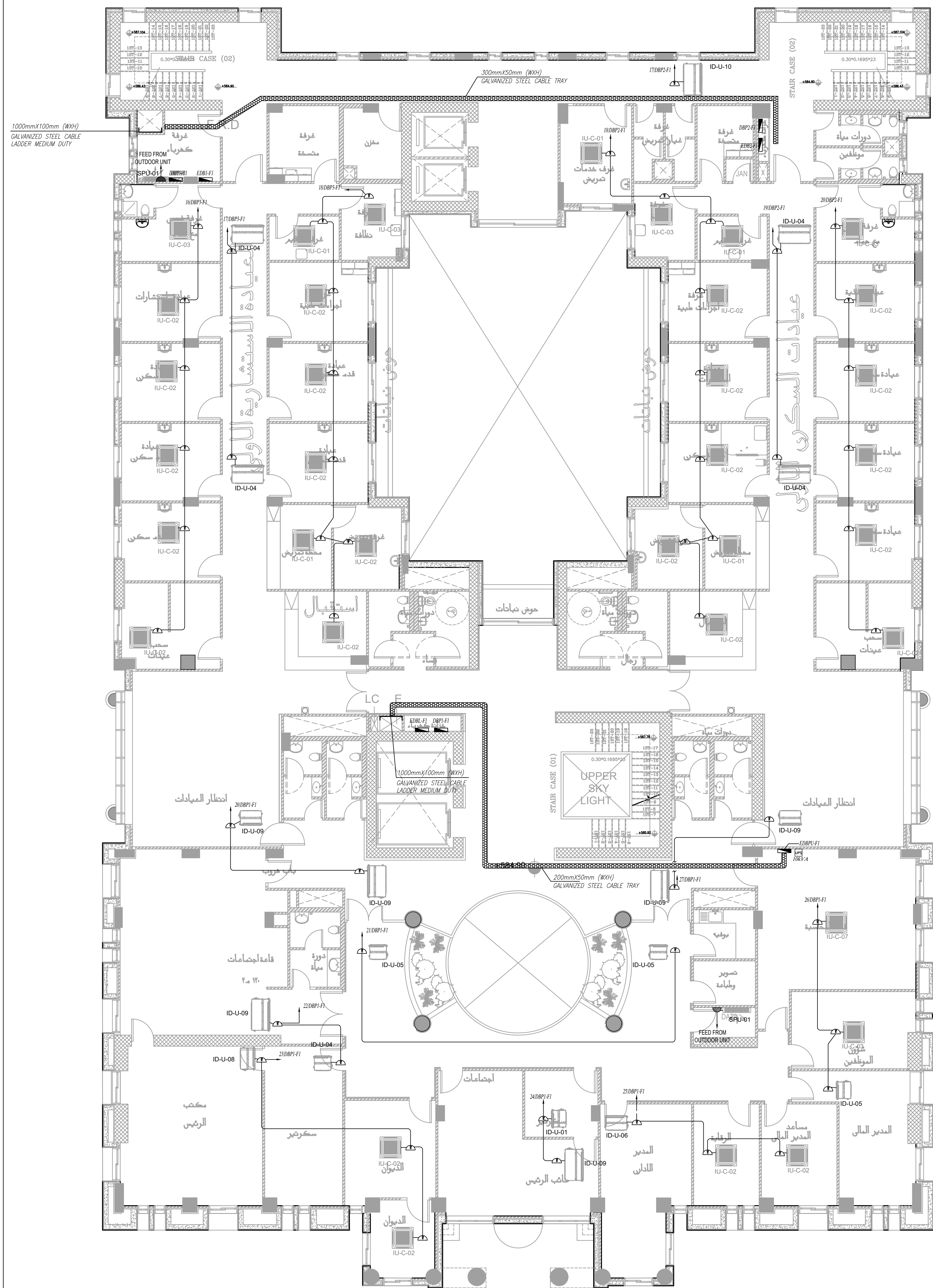


الطابق الثاني

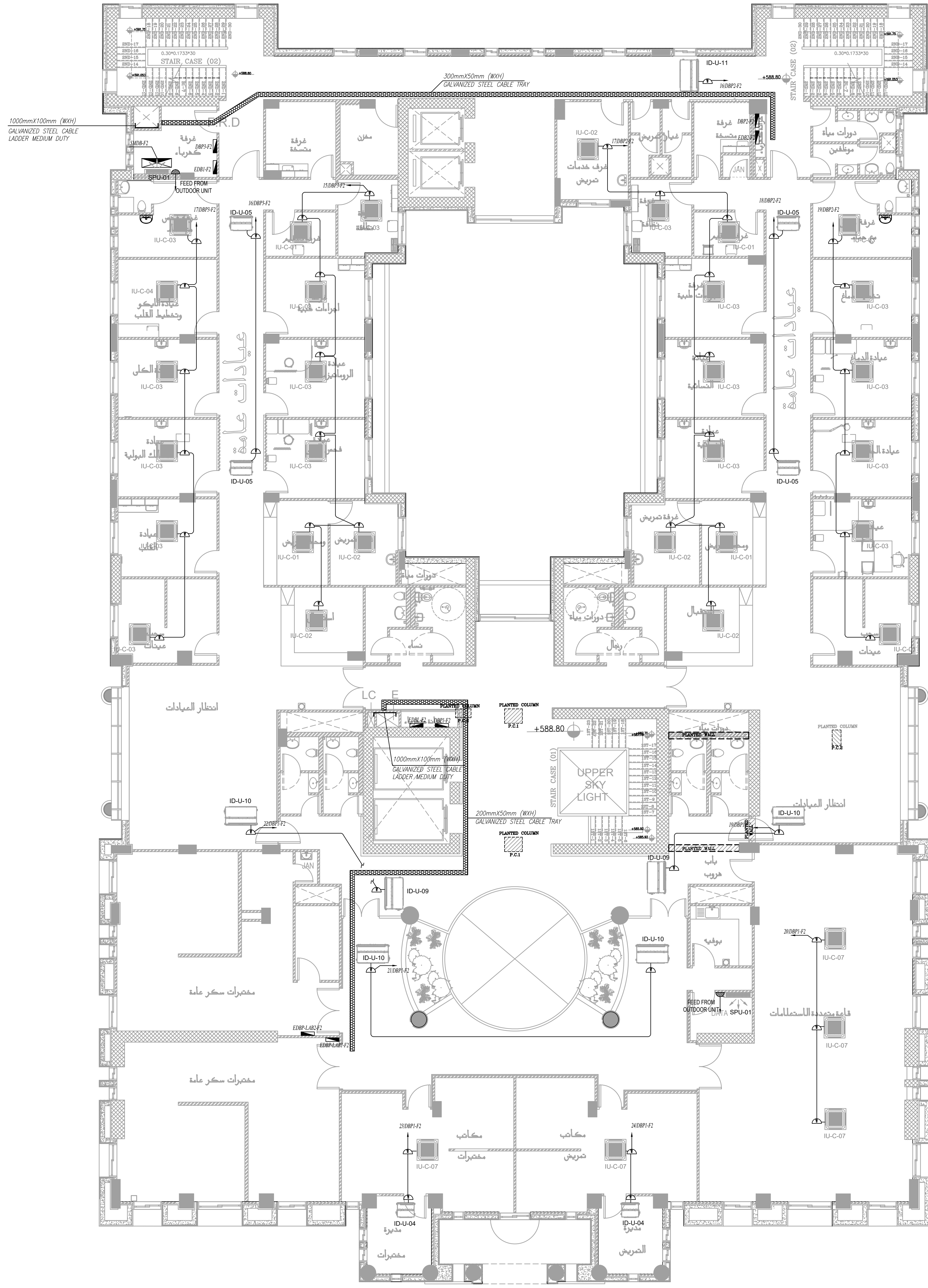


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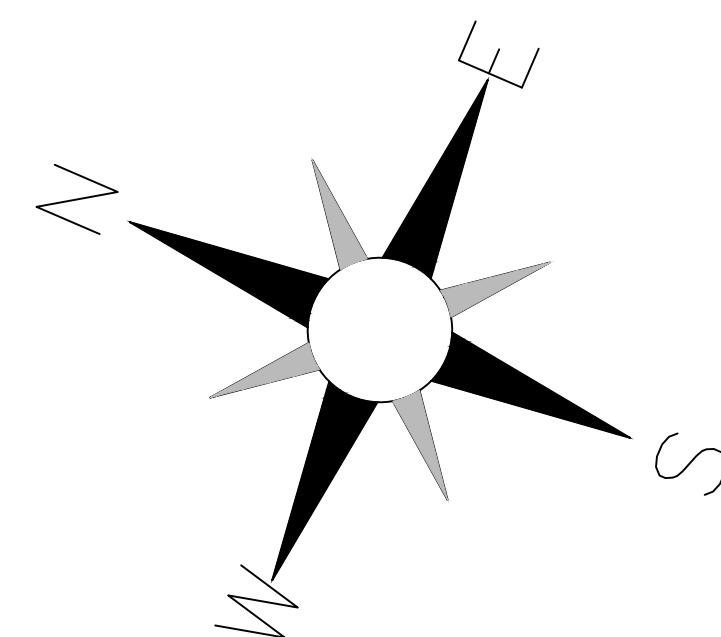
PLOT NO		:	413	
DISTRICT		:	IRBID	
BASIN		:	40 ALMUSRIB ALSHAMALI.U	
REV. MARK	DATE	MADE BY	REMARKS	
CLIENT	NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS			
MP CE	MADI & PARTNERS CONSULTING ENGINEERS TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo			
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY			
DRG. TITLE	BASEMENT AND GROUND FLOOR POWER FOR MECH. SYSTEM LAYOUT			
DRAWN BY : ELECT			SCALE: 1:100	
DESIGNED BY: A.F			DATE : DEC.-2023	
CHECKED BY: S.J			PROJECT No. DRAWING No.	
APPROVED BY: S.J			E-300	



الطابق الاول

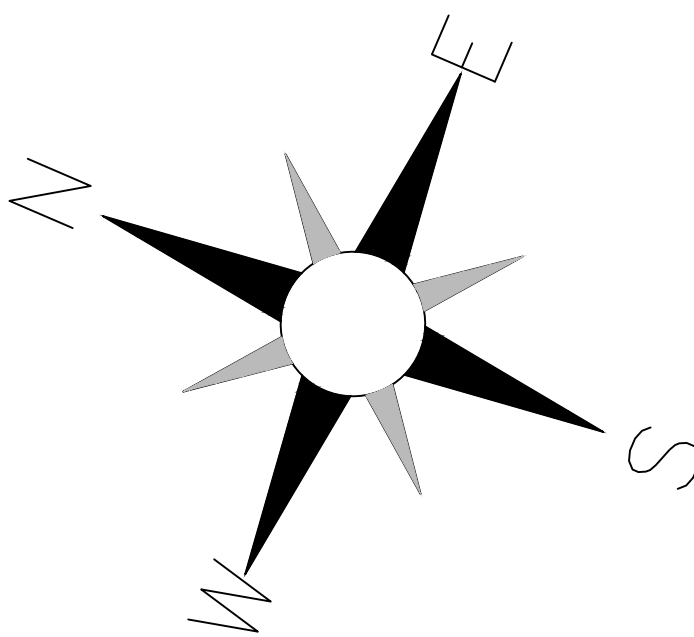


الطابق الثاني

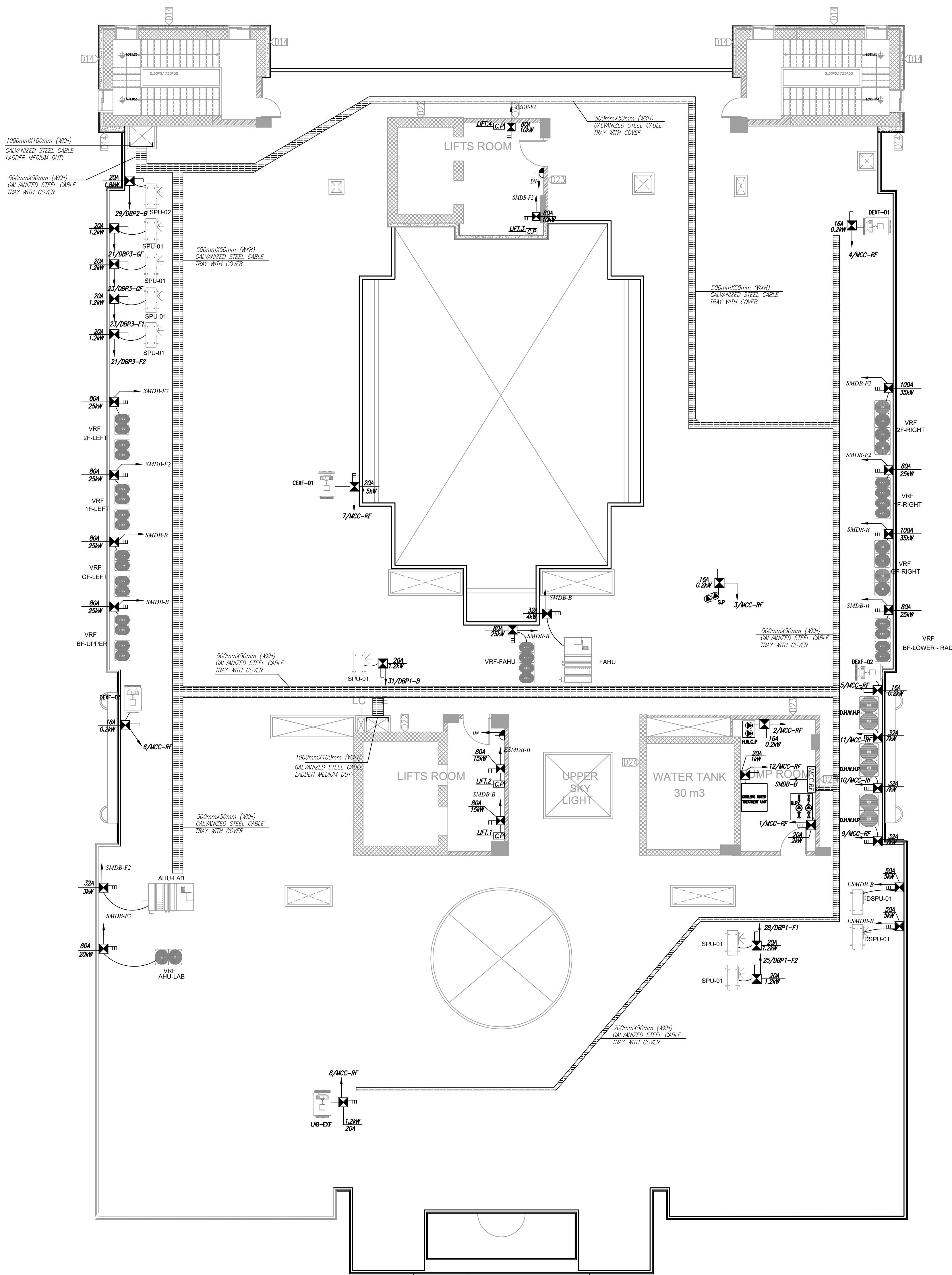


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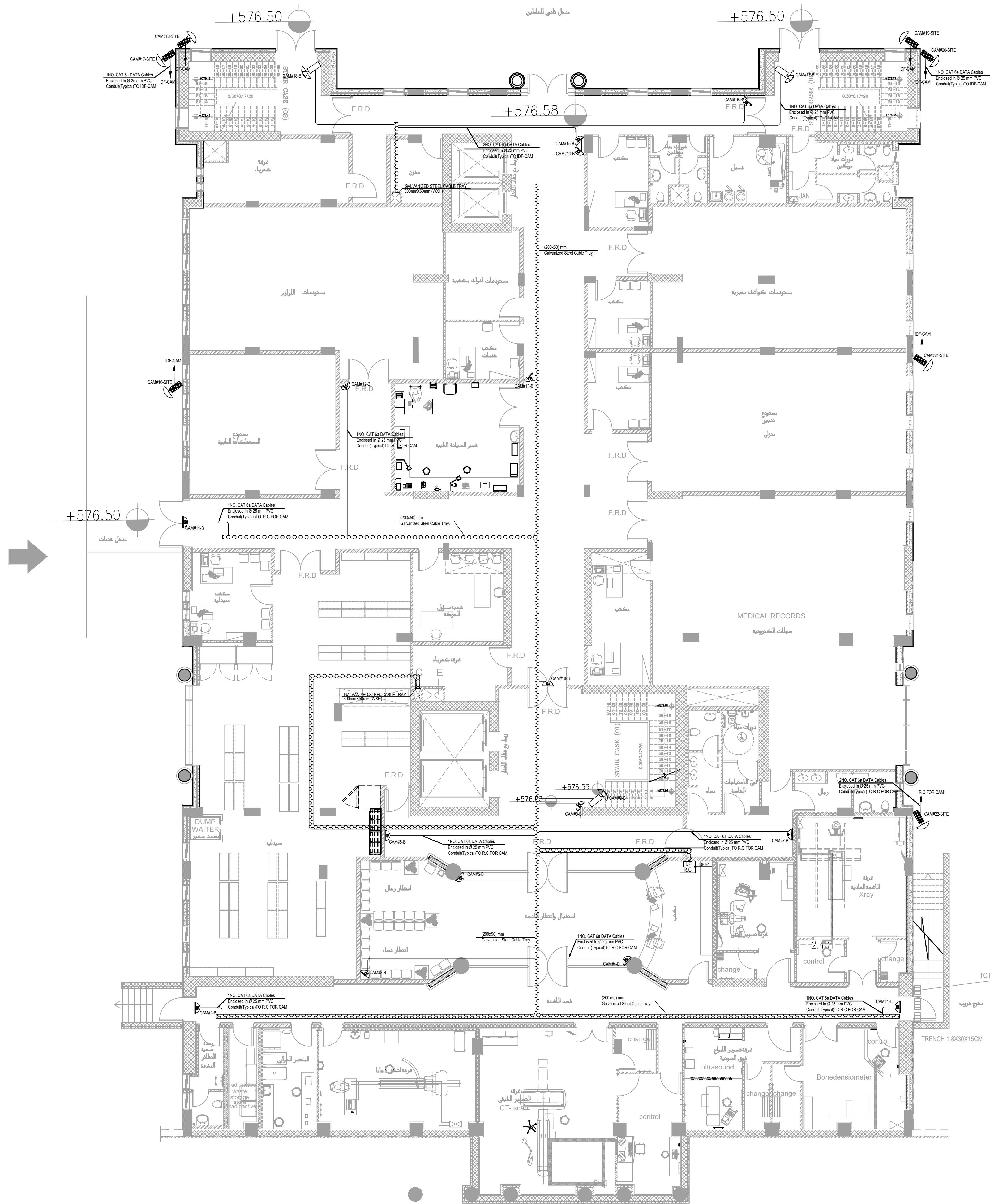
PLOT NO		413	
DISTRICT		IRBID	
BASIN		40 ALMUSRIB ALSHAMALI	
REV. MARK	DATE	MADE BY	REMARKS
CLIENT NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS			
MP		MADI & PARTNERS CONSULTING ENGINEERS	
CE		TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo	
PROJECT		NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY	
DRG. TITLE		FIRST AND SECOND FLOOR POWER FOR MECH. SYSTEM LAYOUT	
DRAWN BY : ELEC.T			SCALE: 1:100
DESIGNED BY : A.F			DATE : DEC.-2023
CHECKED BY : S.J			PROJECT No. DRAWING No.
APPROVED BY: S.J			E-301



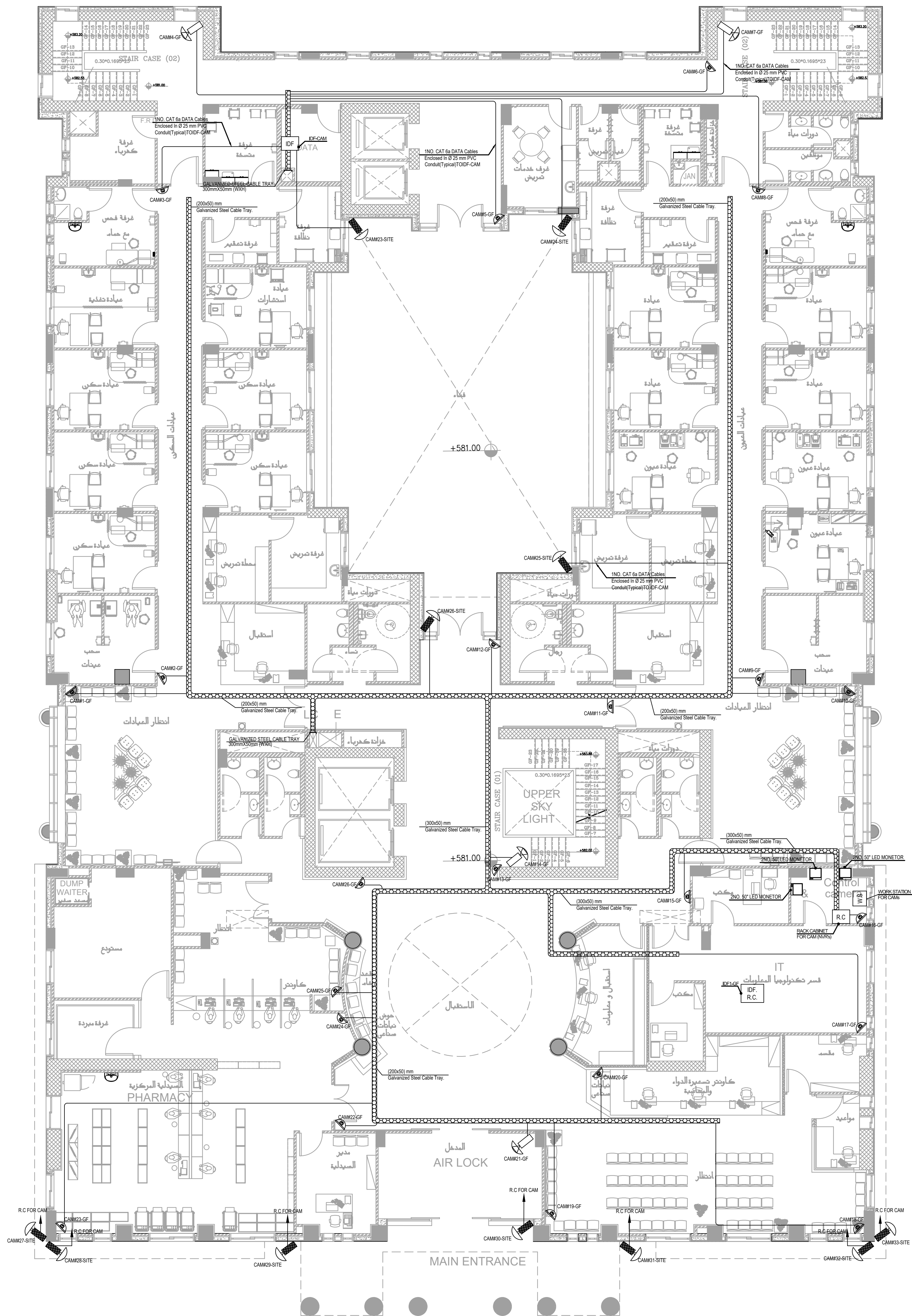
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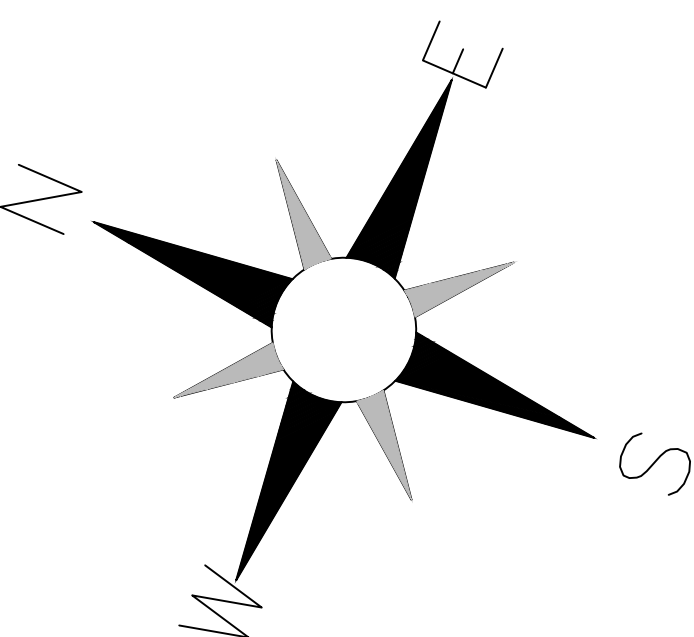
PLOT NO		413	
DISTRICT		IRBID	
BASIN		40 ALMUSRIB ALSHAMALI	
REV. MARK	DATE	MADE BY	REMARKS
CLIENT	NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS		
M P C E	MADI & PARTNERS CONSULTING ENGINEERS TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo		
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY		
DRG. TITLE	ROOF FLOOR POWER FOR MECH. SYSTEM LAYOUT		
DRAWN BY : ELEC.T		SCALE: 1:100	
DESIGNED BY : A.F		DATE : DEC.-2023	
CHECKED BY : S.J		PROJECT No.	DRAWING No.
APPROVED BY: S.J			
		E-302	



طابق الأرضية



الطابق الأعلى



NOTES:

PLOT NO : 413
DISTRICT : IRBID
BASIN : 40 ALMUSRIB ALSHAMALIJI

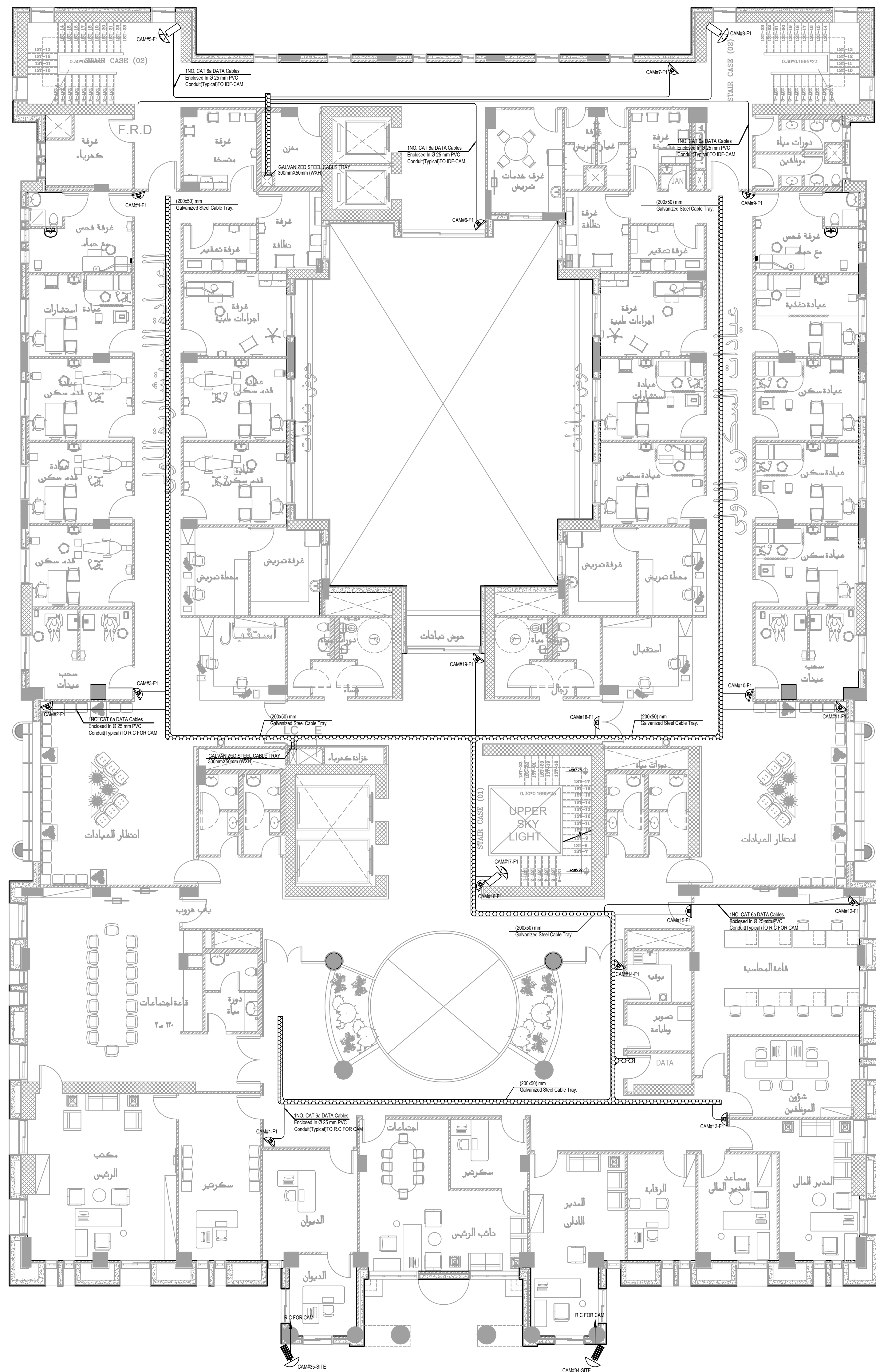
REV. MARK DATE MADE BY REMARKS
CLIENT NATIONAL CENTER FOR DIABETES
ENDOCRINOLOGY AND GENETICS

MP MADI & PARTNERS CONSULTING ENGINEERS
CE TEL:5829640-5829641 FAX:5829642
e-mail : mpce@index.com.jo

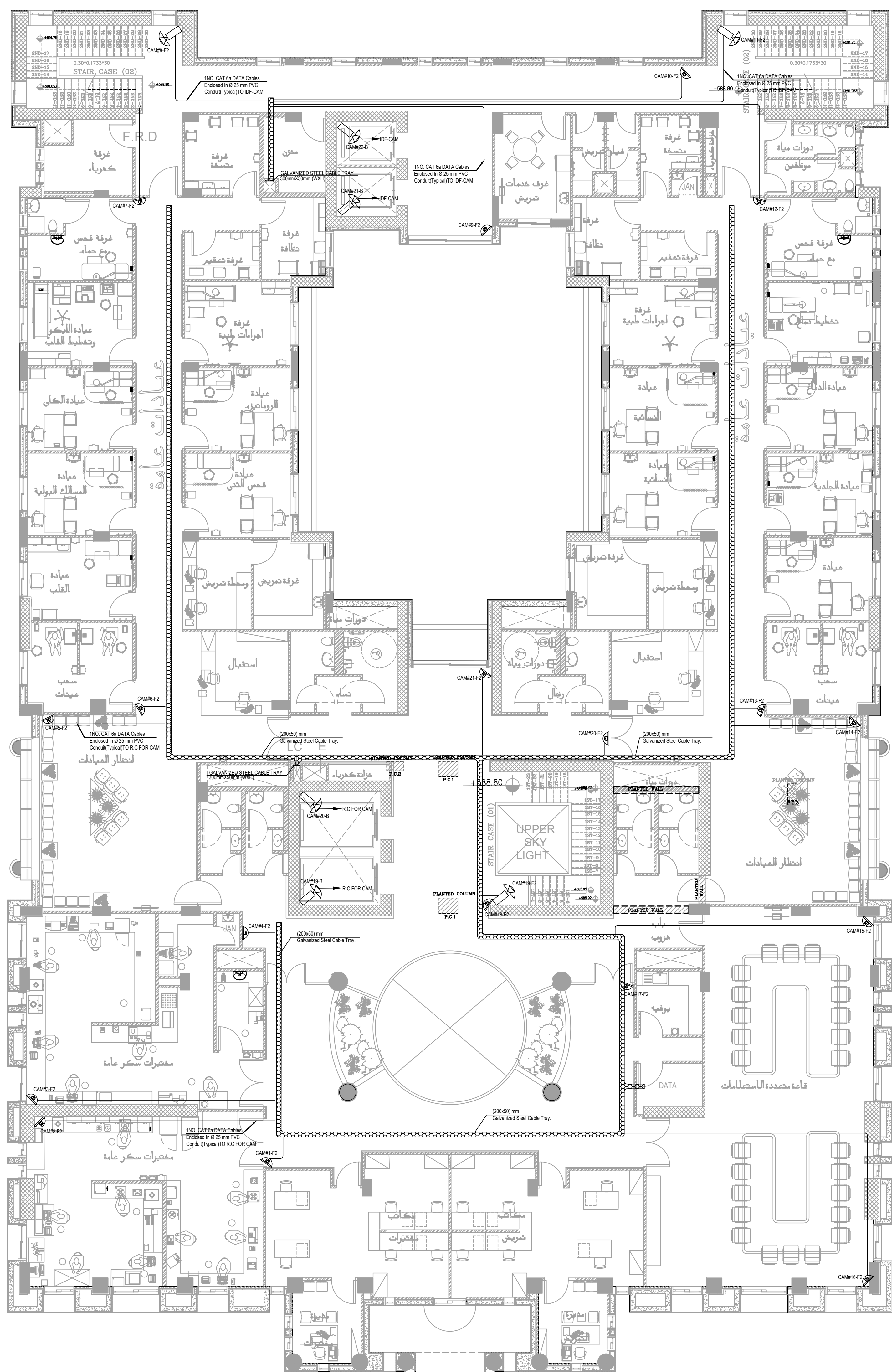
PROJECT NATIONAL DIABETES AND ENDOCRINOLOGY
CENTER BUILDING IN IRBID CITY

DRG. TITLE BASEMENT AND GROUND FLOOR
CCTV SYSTEM LAYOUT

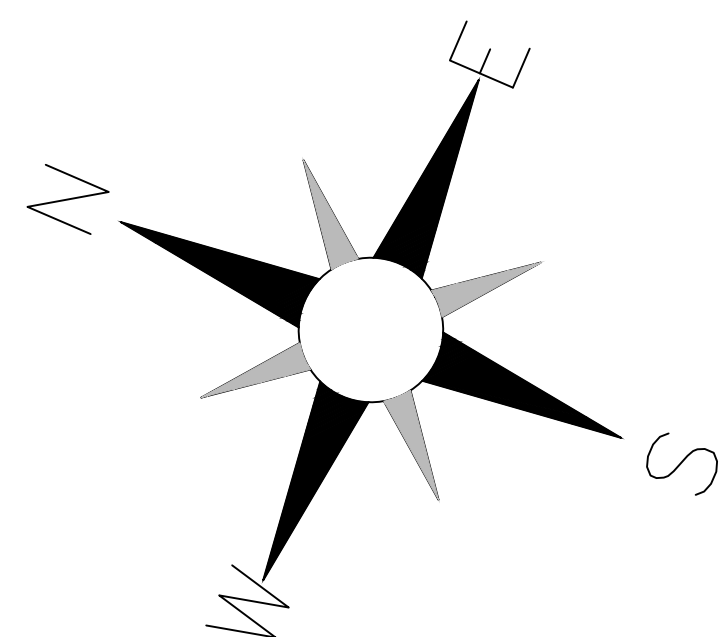
DRAWN BY : ELEC.T SCALE: 1:100
DESIGNED BY : A.F DATE : DEC.-2023
CHECKED BY : S.J PROJECT No. DRAWING No.
APPROVED BY: S.J E-400



الطابق الاول

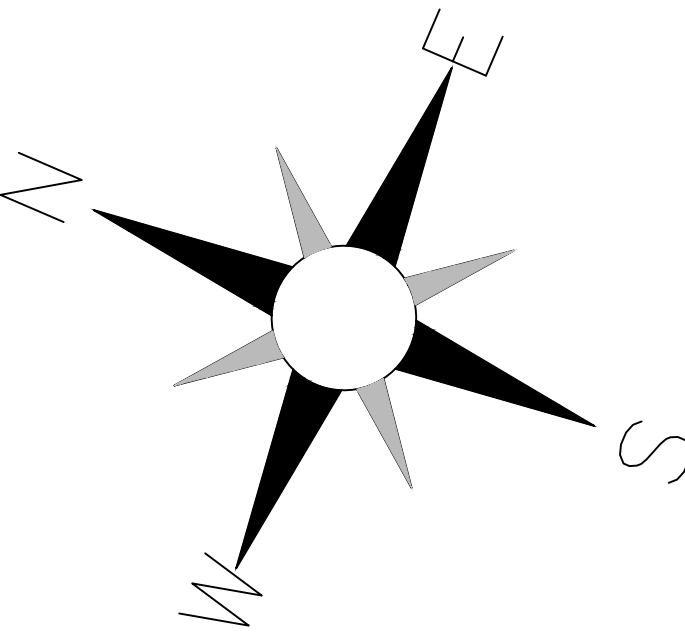
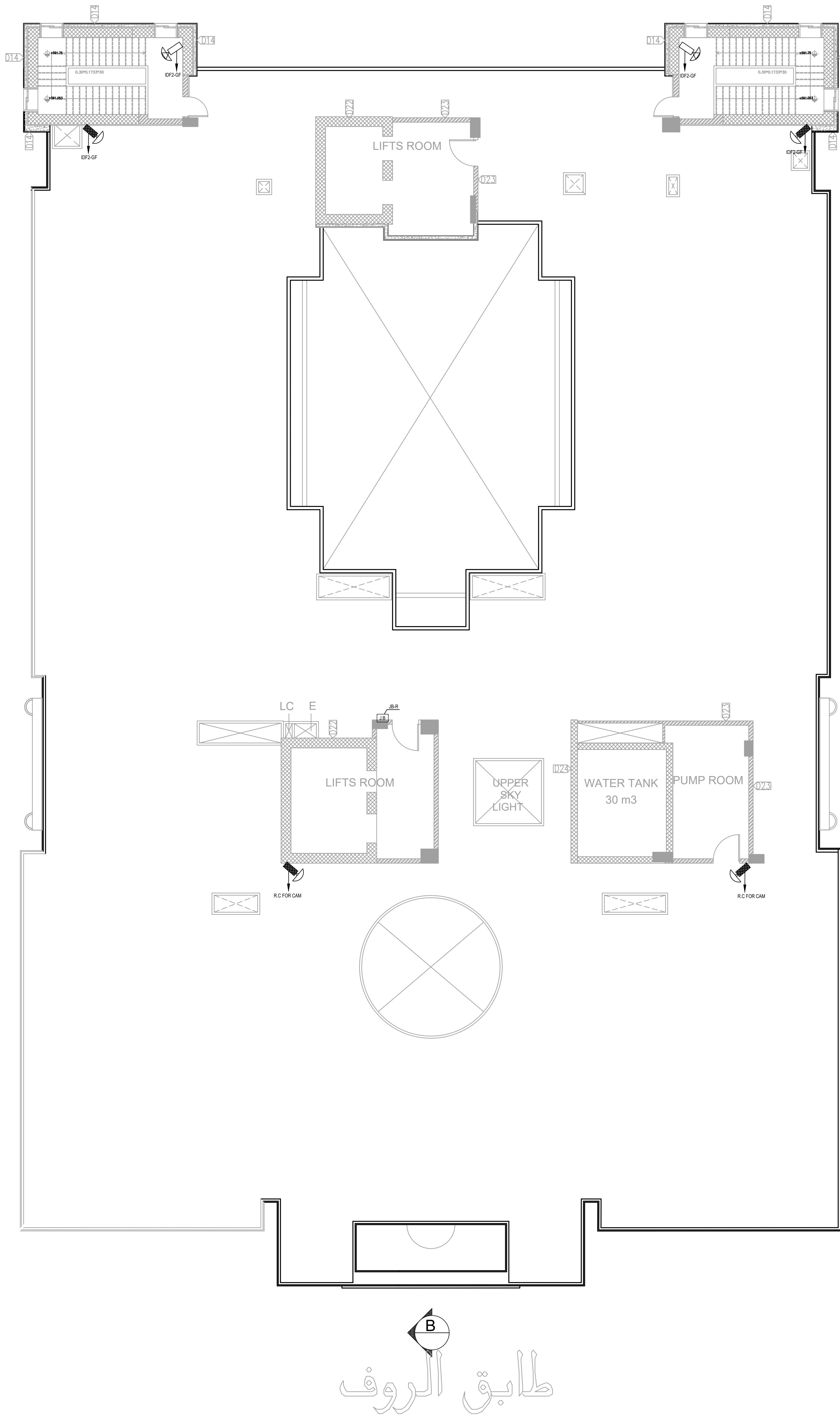


الطابق الثاني



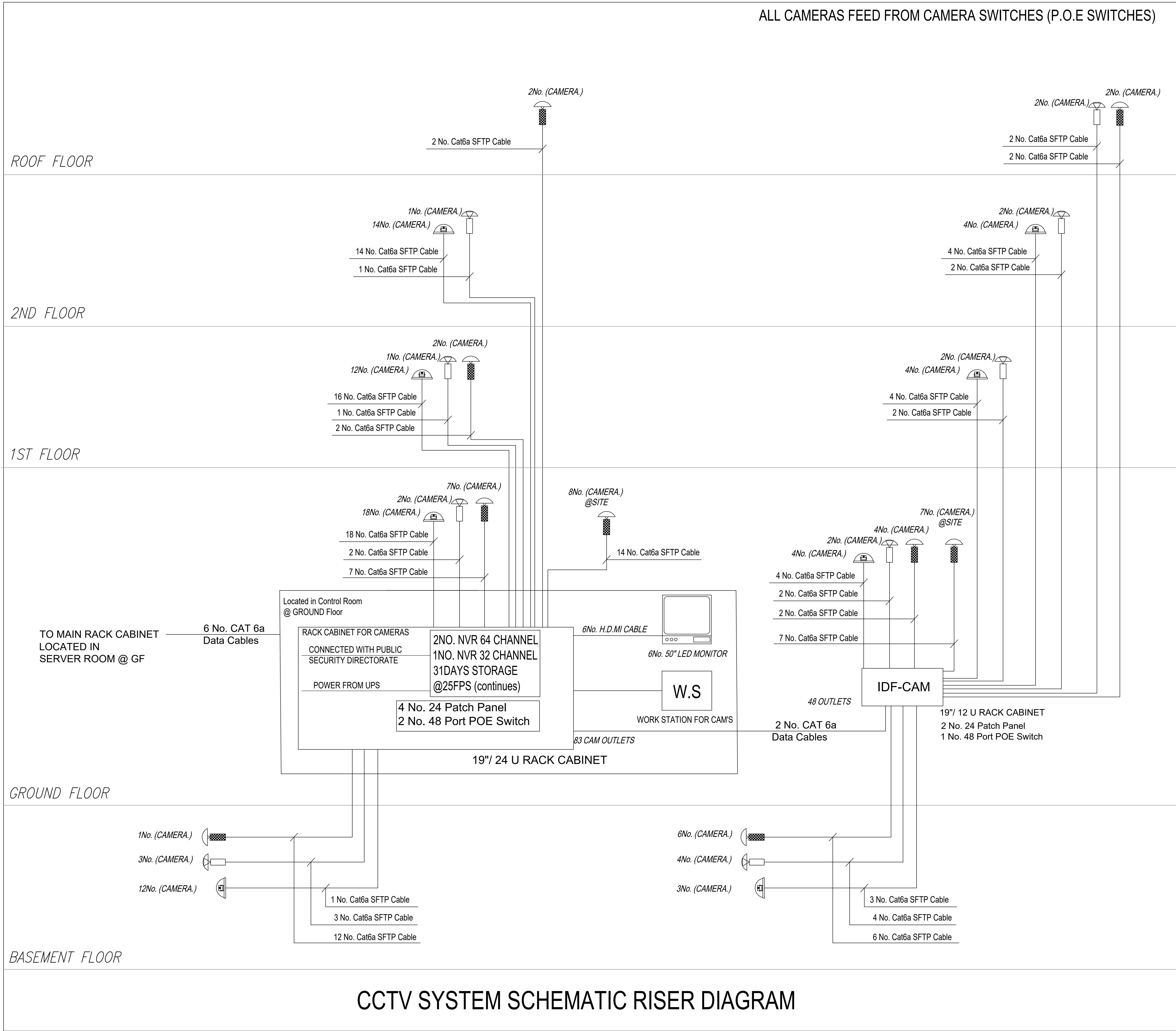
NOTES:

PLOT NO		413	
DISTRICT		IRBID	
BASIN		40 ALMUSRIB ALSHAMALI	
REV. MARK	DATE	MADE BY	REMARKS
CLIENT		NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS	
MP CE	MADI & PARTNERS CONSULTING ENGINEERS		
	TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo		
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY		
DRG. TITLE	FIRST AND SECOND FLOOR CCTV SYSTEM LAYOUT		
DRAWN BY		ELEC.T	SCALE: 1:100
DESIGNED BY		A.F	DATE :DEC.-2023
CHECKED BY		I.A	PROJECT No. DRAWING No.
APPROVED BY		I.A	E-401

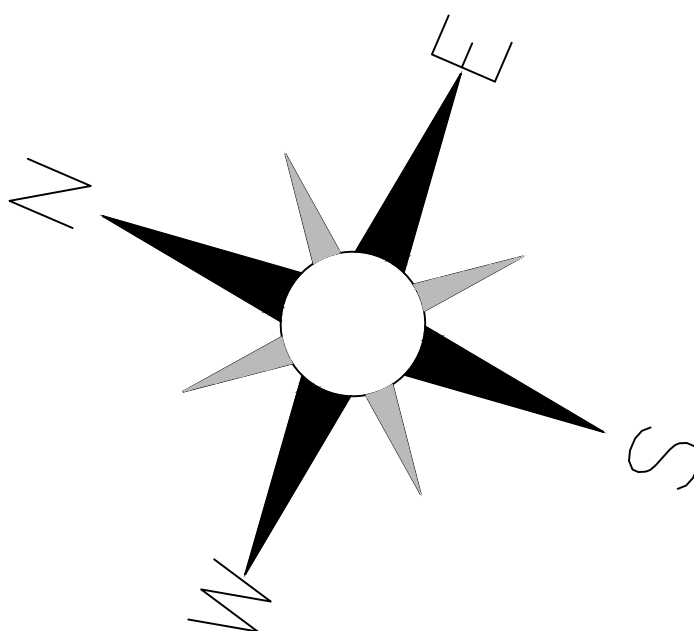


NOTES:

PLOT NO : 413			
DISTRICT : IRBID			
BASIN : 40 ALMUSRIB ALSHAMALI			
REV. MARK	DATE	MADE BY	REMARKS
CLIENT	NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS		
MP CE	MADI & PARTNERS CONSULTING ENGINEERS TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo		
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY		
DRG. TITLE	SECOND FLOOR CCTV SYSTEM LAYOUT		
DRAWN BY : ELEC.T		SCALE: 1:100	
DESIGNED BY : A.F		DATE : DEC.-2023	
CHECKED BY : S.J		PROJECT No.	DRAWING No.
APPROVED BY: S.J			
		E-402	

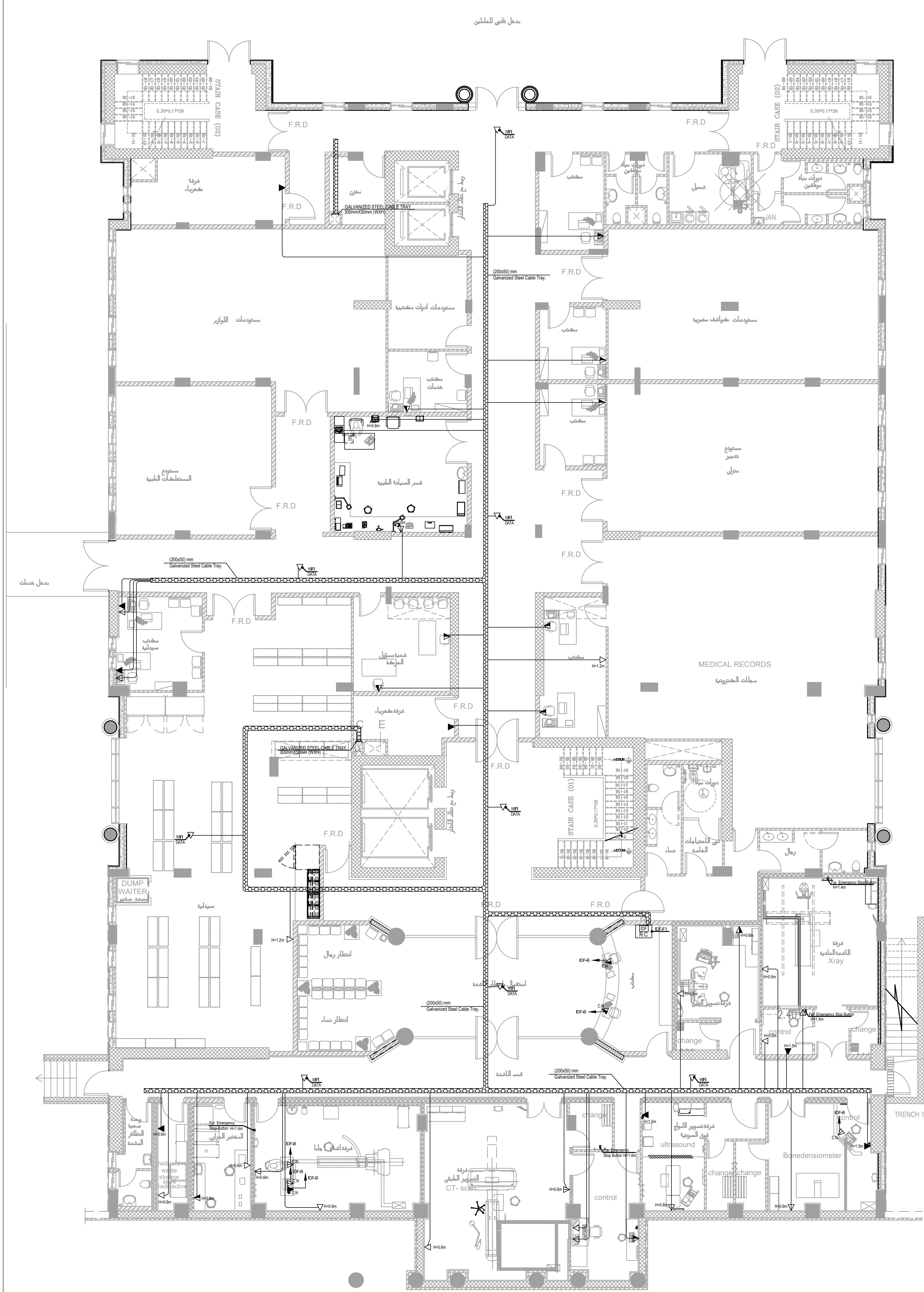


CCTV SYSTEM LEGEND	
SYMBOL	DESCRIPTION
	IP CAMERA WITH 5 MEGA PIXEL High Resolution
	IP CAMERA (WATER PROOF) WITH 8 MEGA PIXEL High Resolution,IP66
	IP DOME CAMERA WITH 5 MEGA PIXEL High Resolution
	19" RACK CABINET FOR NVR'S
	LED MONITOR 55"
	NETWORK VIDEO RECORDER.
	WORK STATION



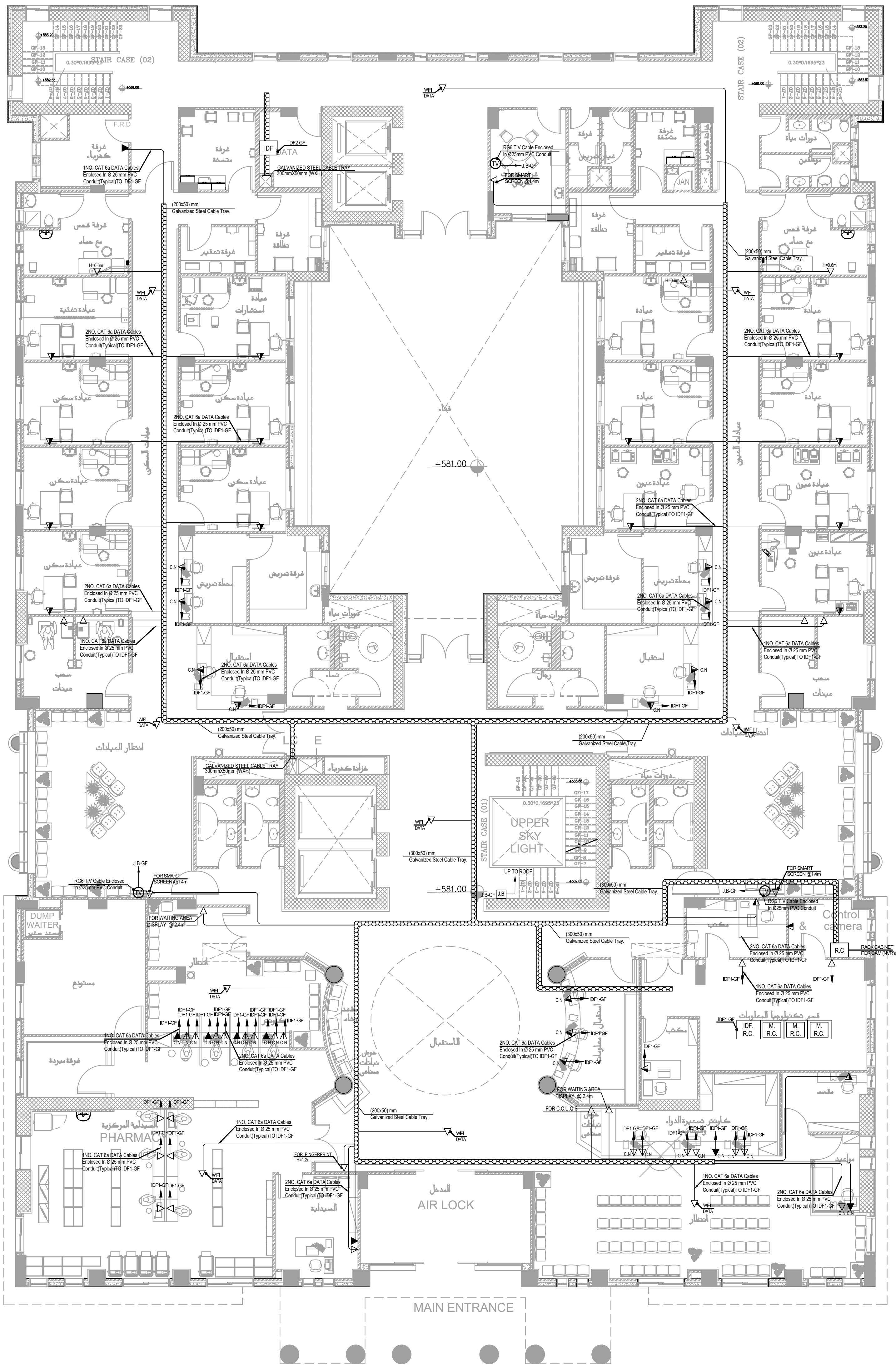
NOTES:

PLOT NO		:		413	
DISTRICT		:		IRBID	
BASIN		:		40 ALMUSRIB ALSHAMALIUI	
REV. MARK	DATE	MADE BY		REMARKS	
CLIENT	NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS				
M P C E	MADI & PARTNERS CONSULTING ENGINEERS TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo				
	PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY			
DRG. TITLE	CCTV SYSTEM SCHEMATIC RISER DIAGRAM				
DRAWN BY			:		ELEC.T
DESIGNED BY			:		A.F
CHECKED BY			:		S.J
APPROVED BY			:		S.J
SCALE:			N.T.S		
DATE			:DEC.-2023		
PROJECT No.			DRAWING No.		
			E-403		

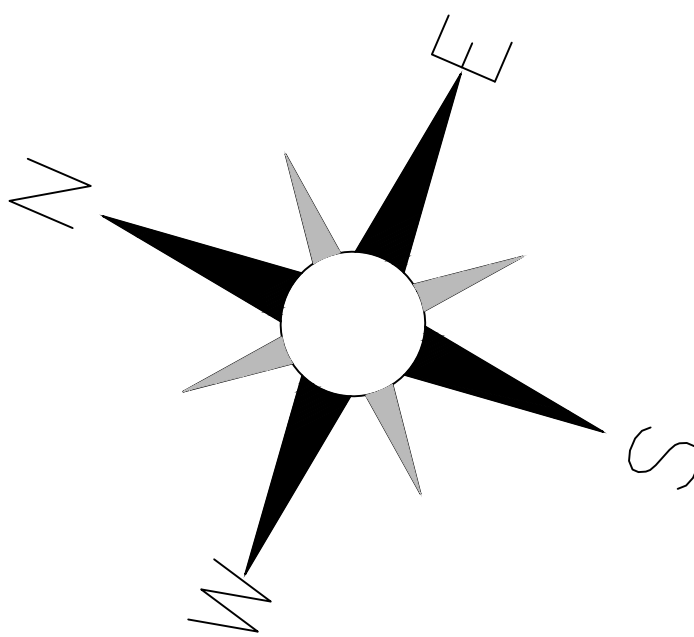


محل خفي التلويح

طابق التسوية



الطابق الأرضي



NOTES:

PLOT NO : 413
DISTRICT : IRBID
BASIN : 40 ALMUSRIB ALSHAMALIJI

REV. MARK DATE MADE BY REMARKS

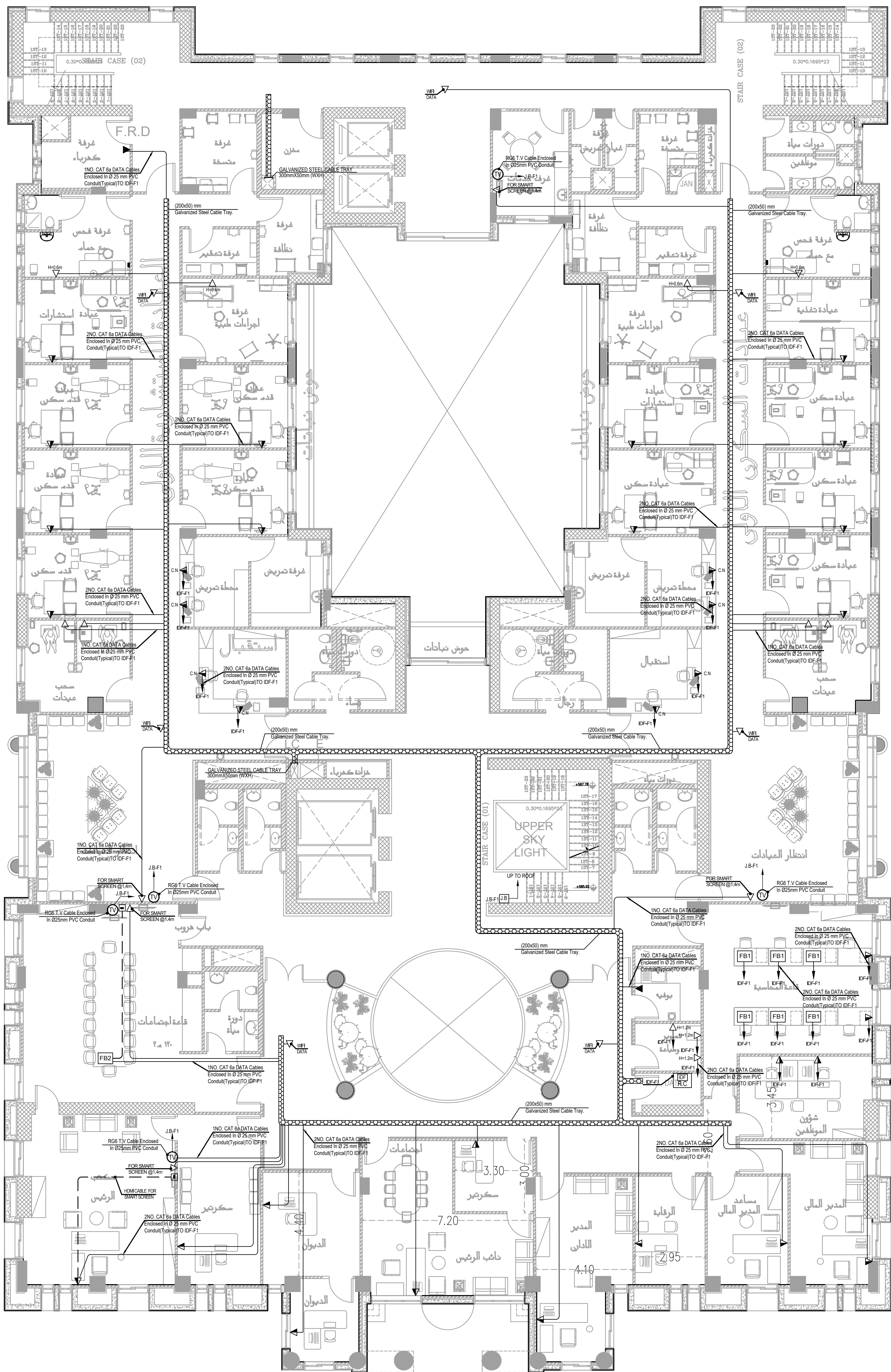
CLIENT NATIONAL CENTER FOR DIABETES
ENDOCRINOLOGY AND GENETICS

MP MADI & PARTNERS CONSULTING ENGINEERS
C E TEL:5829640-5829641 FAX:5829642
e-mail : mpce@index.com.jo

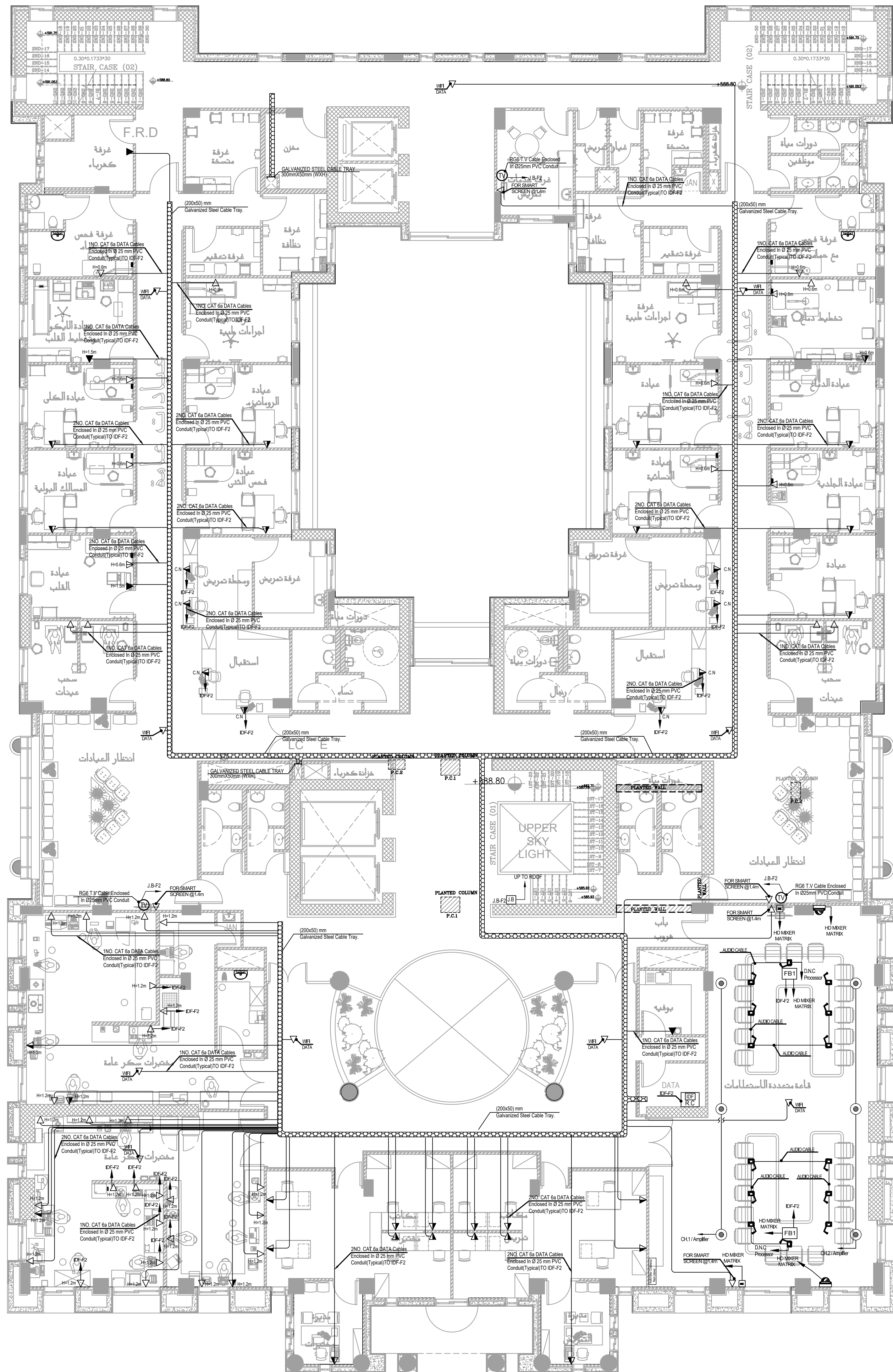
PROJECT NATIONAL DIABETES AND ENDOCRINOLOGY
CENTER BUILDING IN IRBID CITY

DRG. TITLE BASEMENT AND GROUND FLOOR
LOW CURRENT SYSTEM LAYOUT

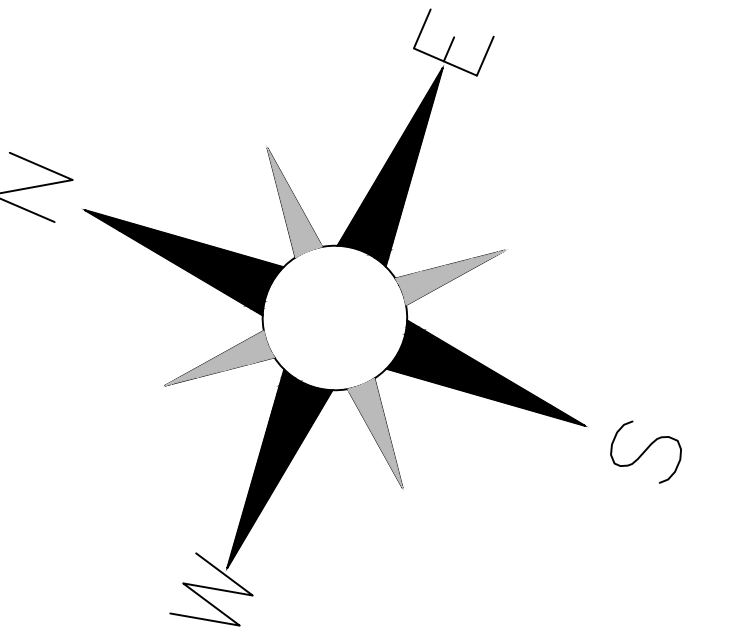
DRAWN BY : ELEC.T SCALE : 1:100
DESIGNED BY : A.F DATE : DEC.-2023
CHECKED BY : S.J PROJECT No. DRAWING No.
APPROVED BY: S.J E-500



الطابق الاول



الطابق الثاني



NOTES:

PLOT NO : 413
DISTRICT : IRBID
BASIN : 40 ALMUSRIB ALSHAMALIJI

CLIENT NATIONAL CENTER FOR DIABETES
ENDOCRINOLOGY AND GENETICS

MP MADI & PARTNERS CONSULTING ENGINEERS
CE TEL:5829640-5829641 FAX:5829642
e-mail : mpce@index.com.jo

PROJECT NATIONAL DIABETES AND ENDOCRINOLOGY
CENTER BUILDING IN IRBID CITY

DRG. TITLE FIRST AND SECOND FLOOR
LOW CURRENT SYSTEM LAYOUT

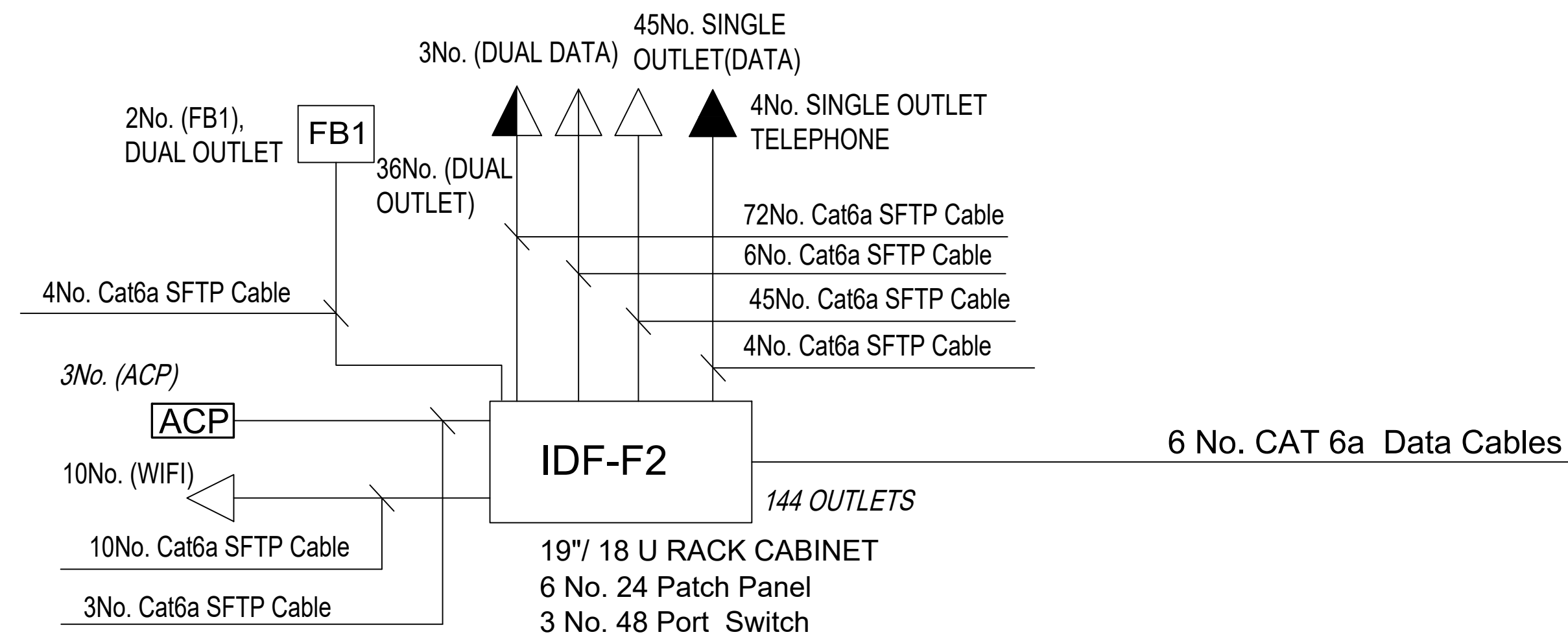
DRAWN BY : ELEC.T SCALE: 1:100

DESIGNED BY : A.F DATE : DEC.-2023

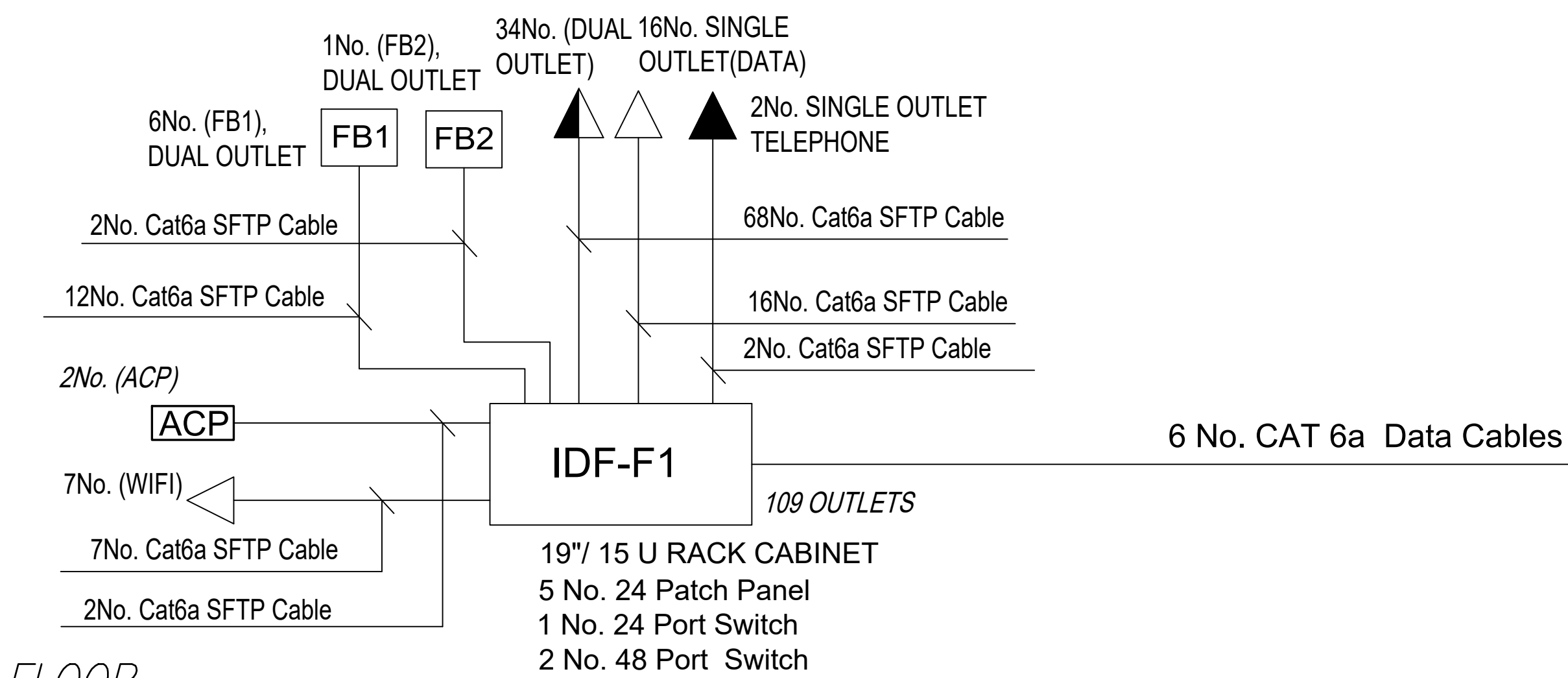
CHECKED BY : S.J PROJECT No. DRAWING No.

APPROVED BY: S.J E-501

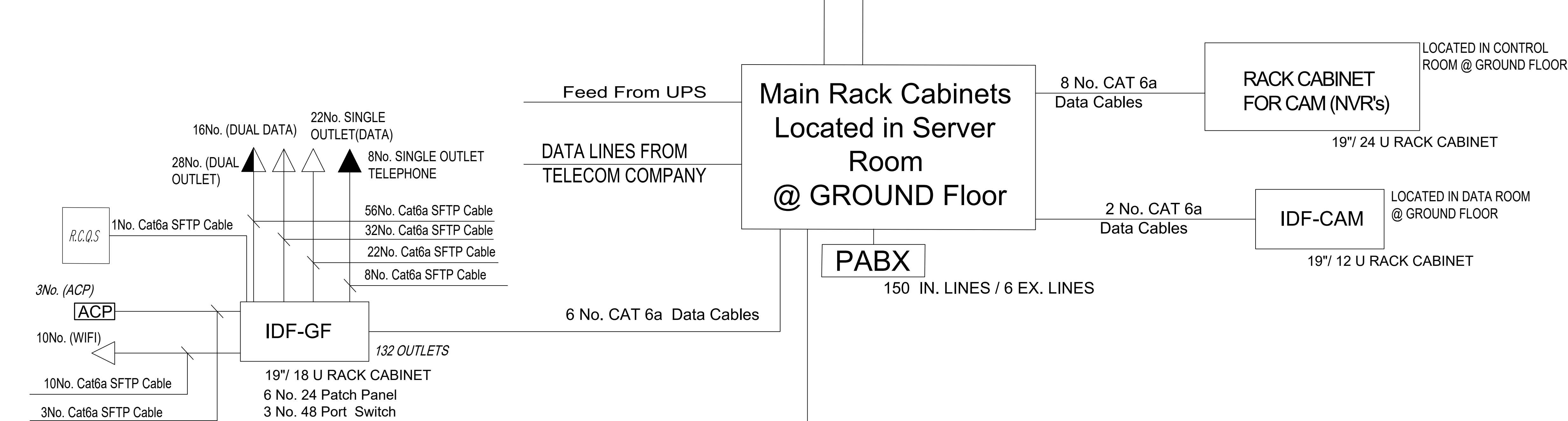
ROOF FLOOR



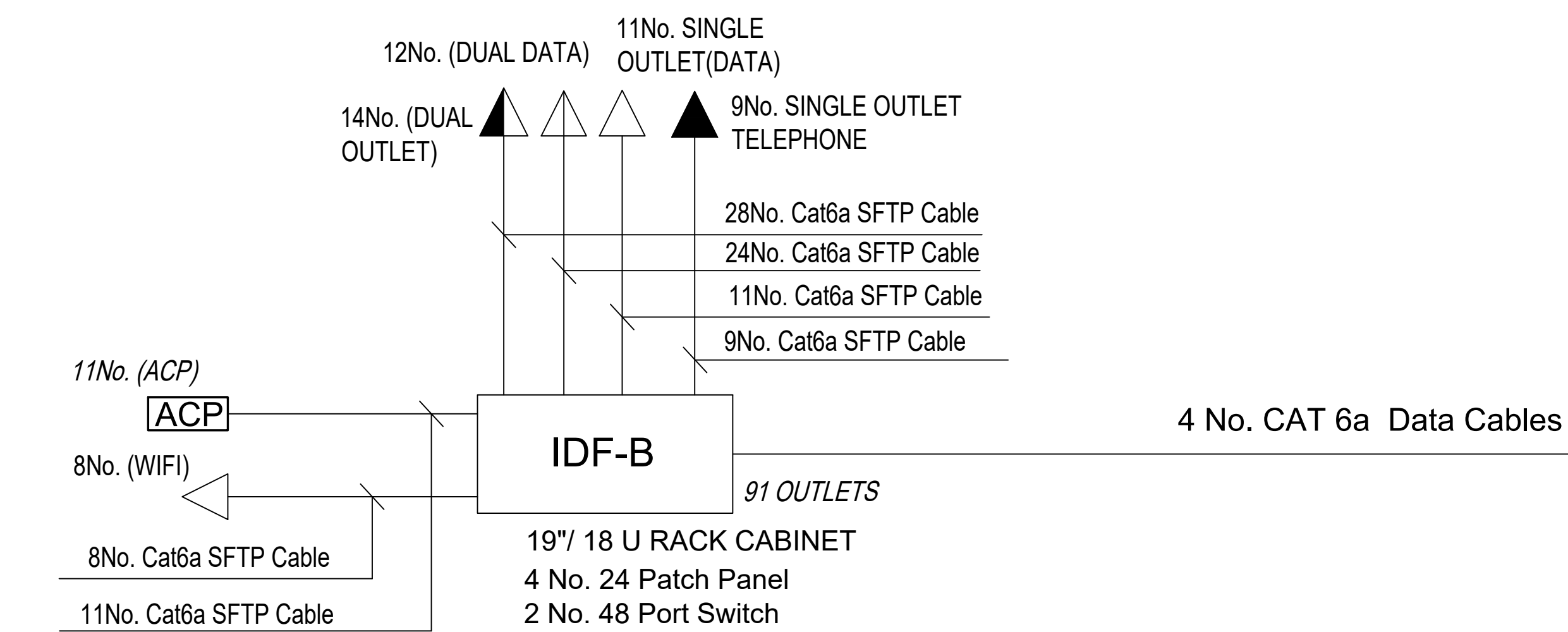
2ND FLOOR



1ST FLOOR

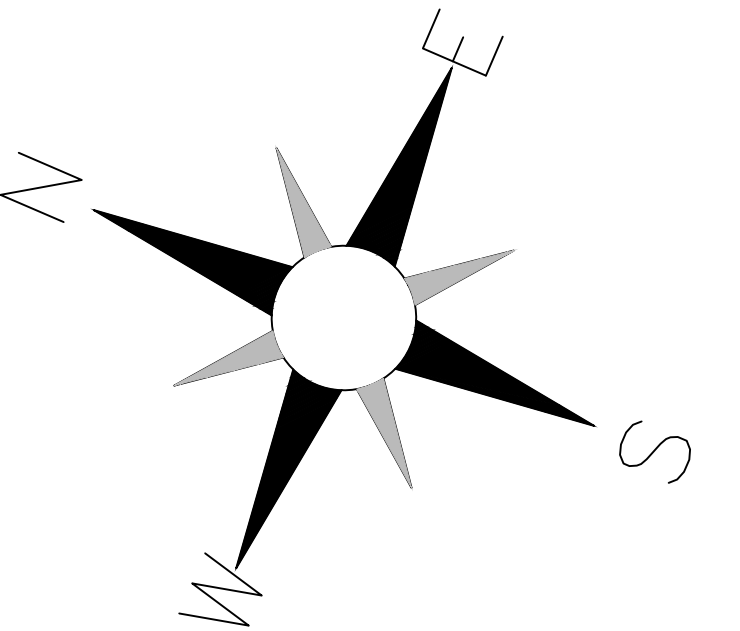


GROUND FLOOR



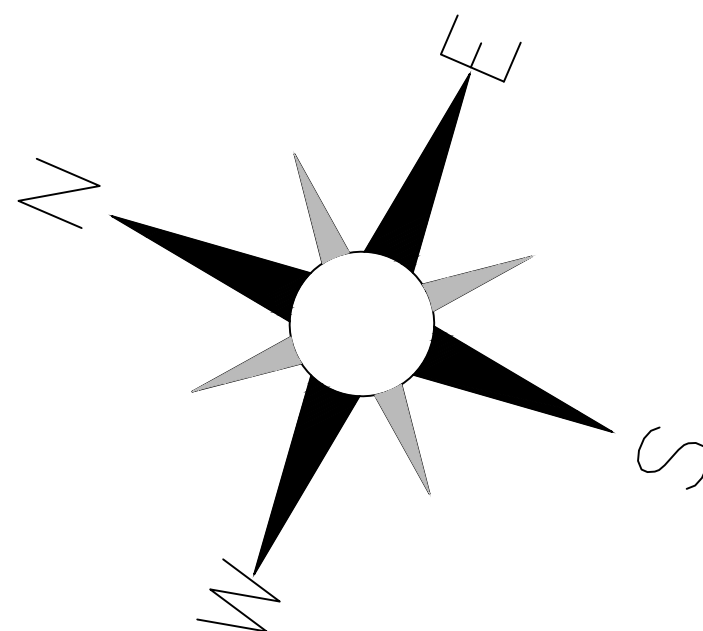
DATA SYSTEM SCHEMATIC RISER DIAGRAM

BASEMENT FLOOR



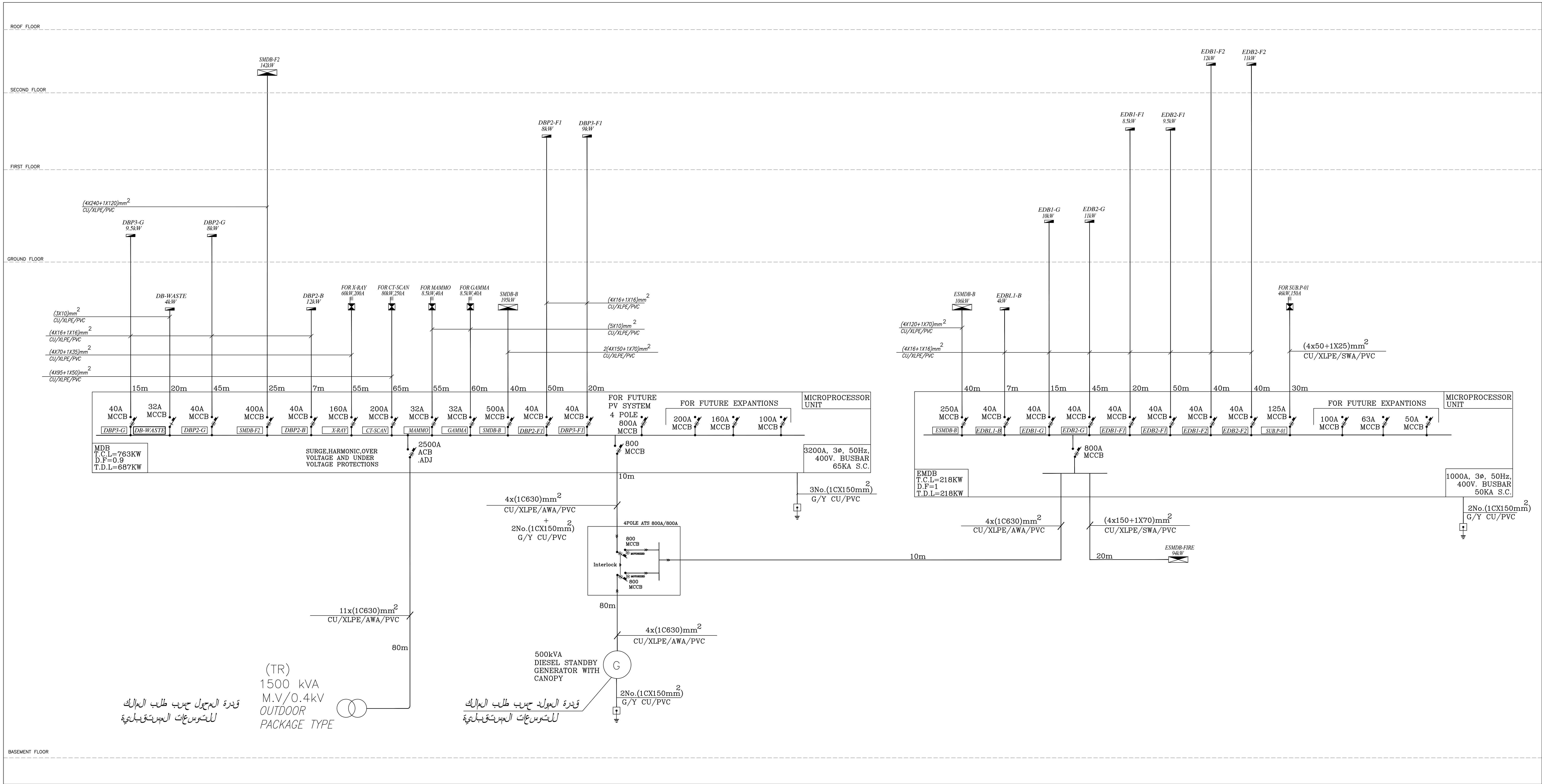
NOTES:

PLOT NO		:	413	
DISTRICT		:	IRBID	
BASIN		:	40 ALMUSRIB ALSHAMALI	
REV. MARK	DATE	MADE BY	REMARKS	
CLIENT		NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS		
M P C E	MADI & PARTNERS CONSULTING ENGINEERS			
	TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo			
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY			
DRG. TITLE	LOW CURRENT SYSTEM RISER DIAGRAM			
DRAWN BY : ELEC.T			SCALE : N.T.S	
DESIGNED BY : A.F			DATE : DEC.-2023	
CHECKED BY : S.J			PROJECT No.	DRAWING No.
APPROVED BY: S.J			E-502	



NOTES:

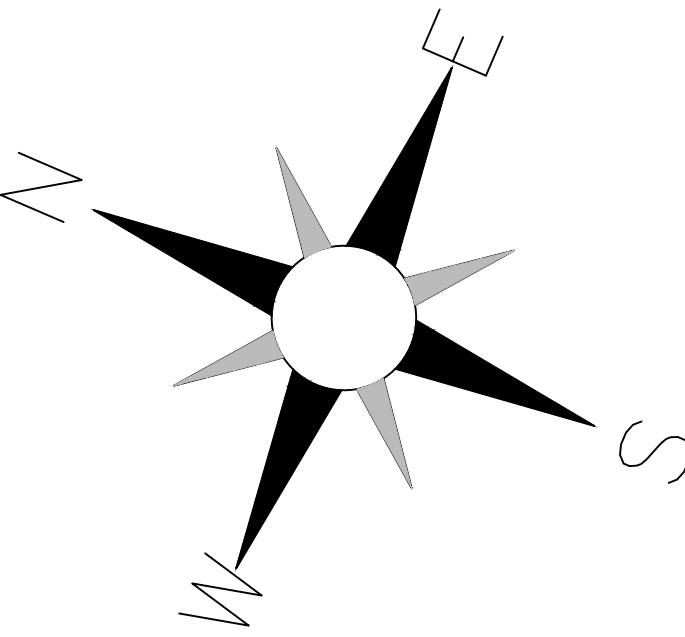
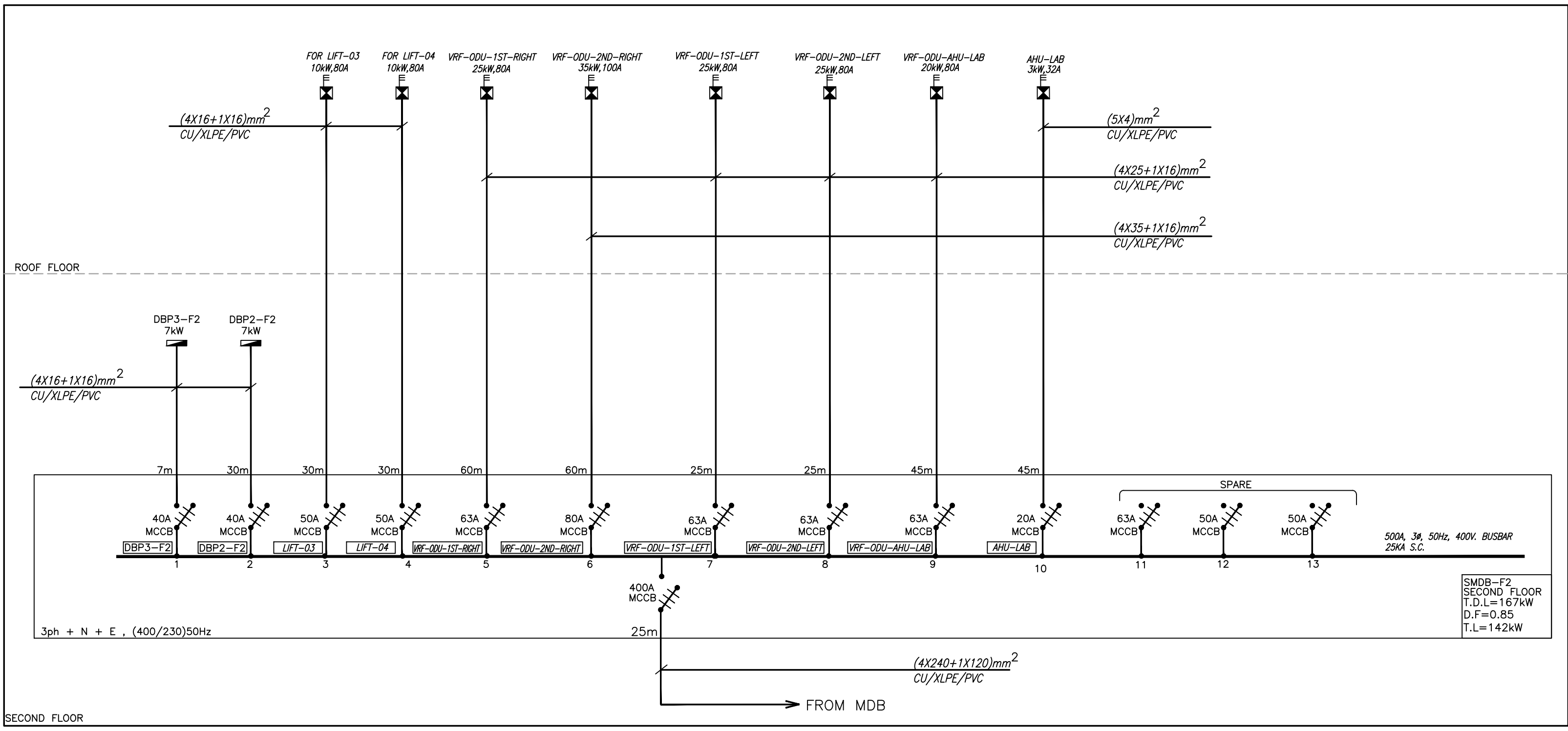
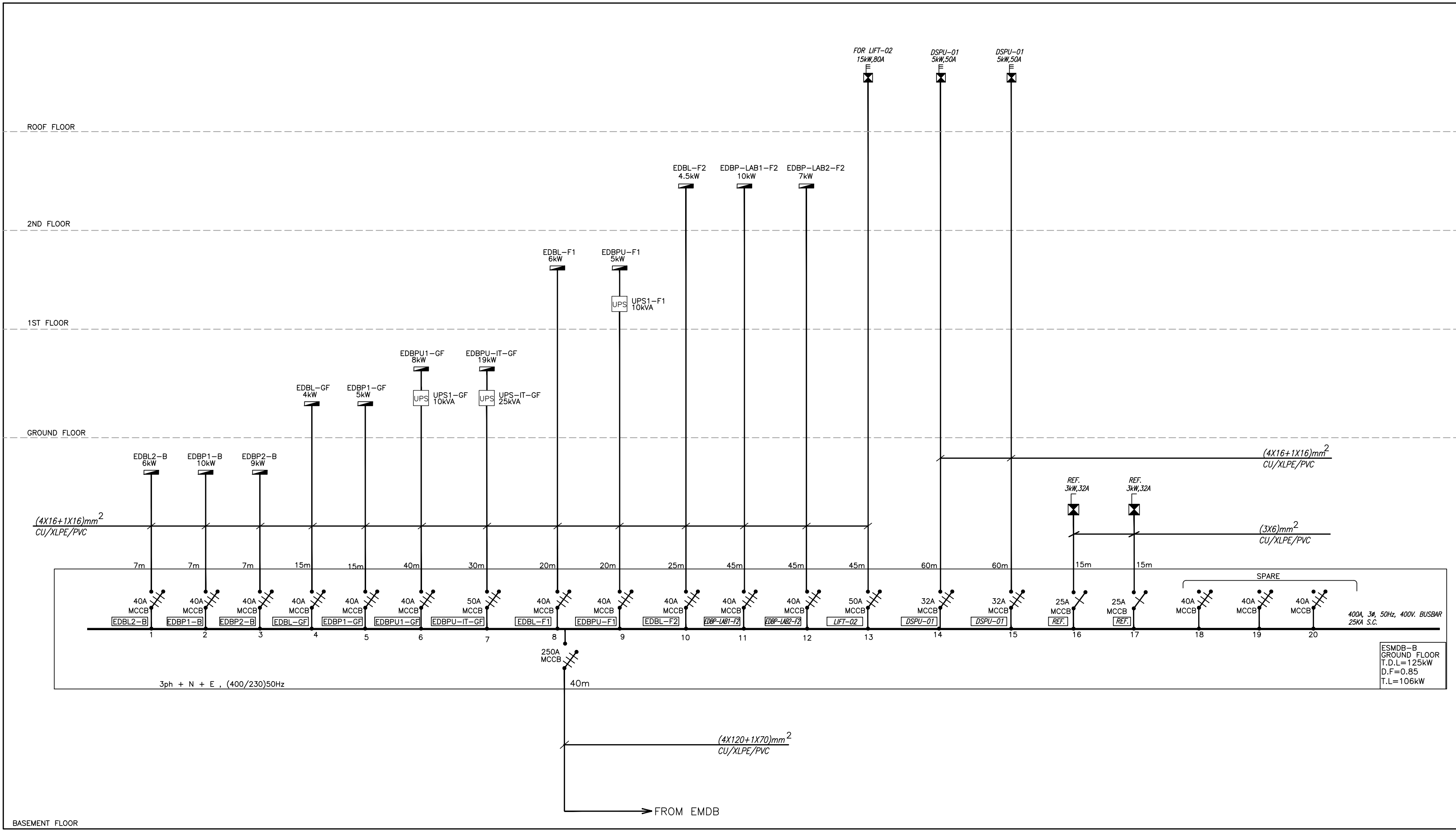
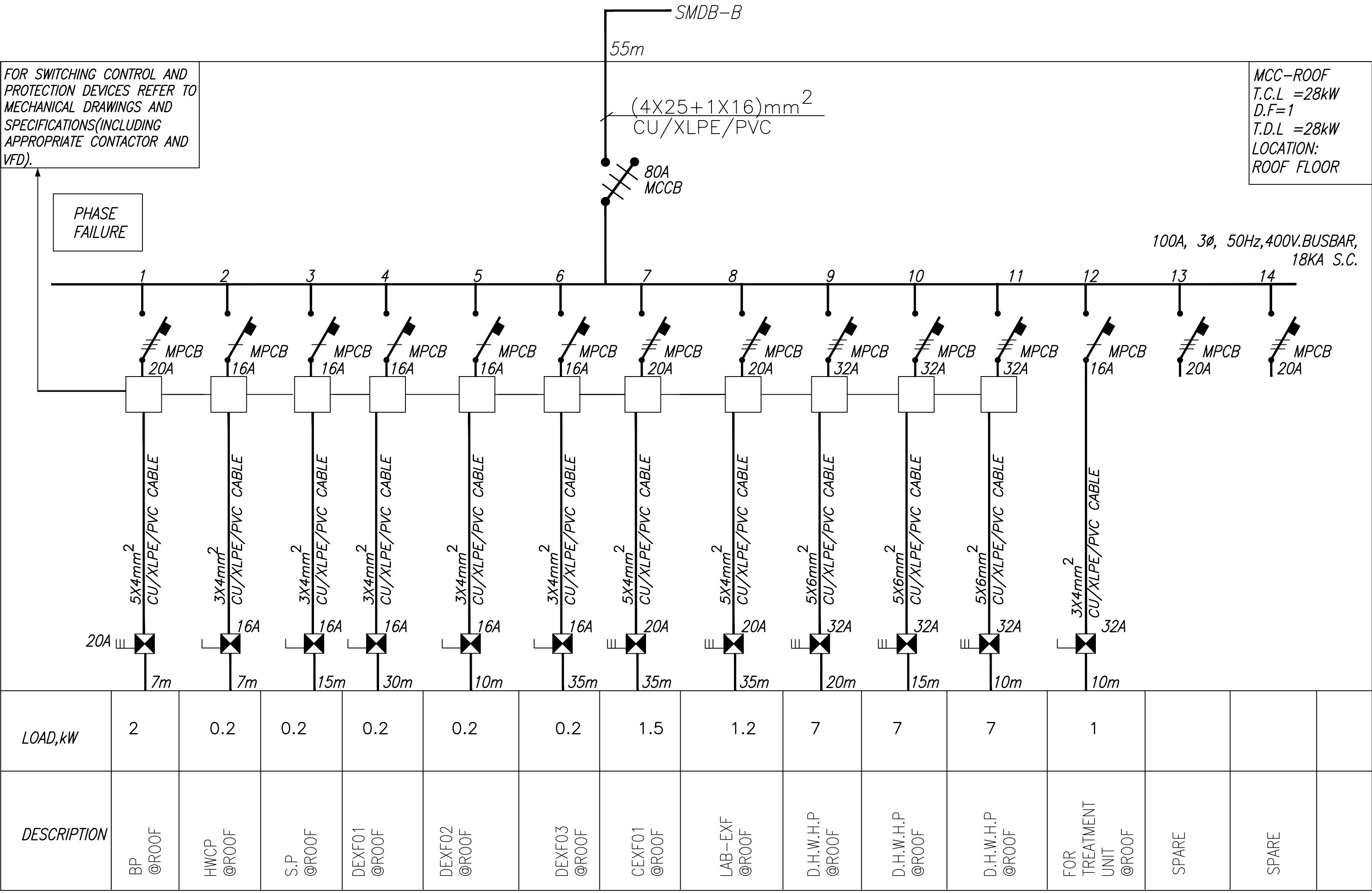
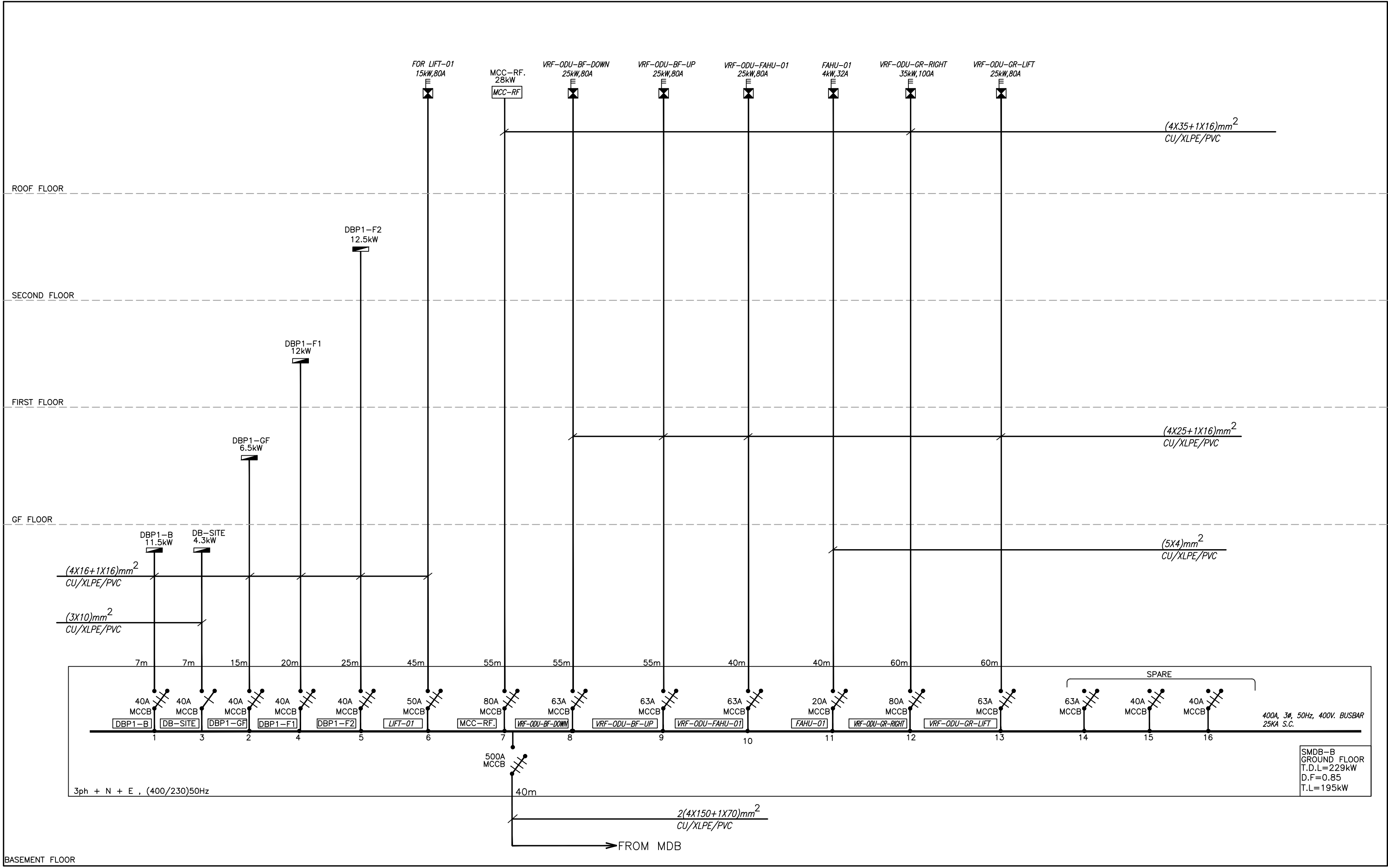
PLOT NO		413	
DISTRICT		IRBID	
BASIN		40 ALMUSRIB ALSHAMALI	
REV. MARK	DATE	MADE BY	REMARKS
CLIENT NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS			
M P C E	MADI & PARTNERS CONSULTING ENGINEERS		
	TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo		
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY		
DRG. TITLE	POWER SYSTEM RISER DIAGRAM -01		
DRAWN BY : ELEC.T		SCALE: N.T.S	
DESIGNED BY : A.F		DATE : DEC.-2023	
CHECKED BY : I.A		PROJECT No.	DRAWING No.
APPROVED BY: I.A			
		E-600	



قدرة المحرك حسب طلب المالك
للتوسعات المستقبلية

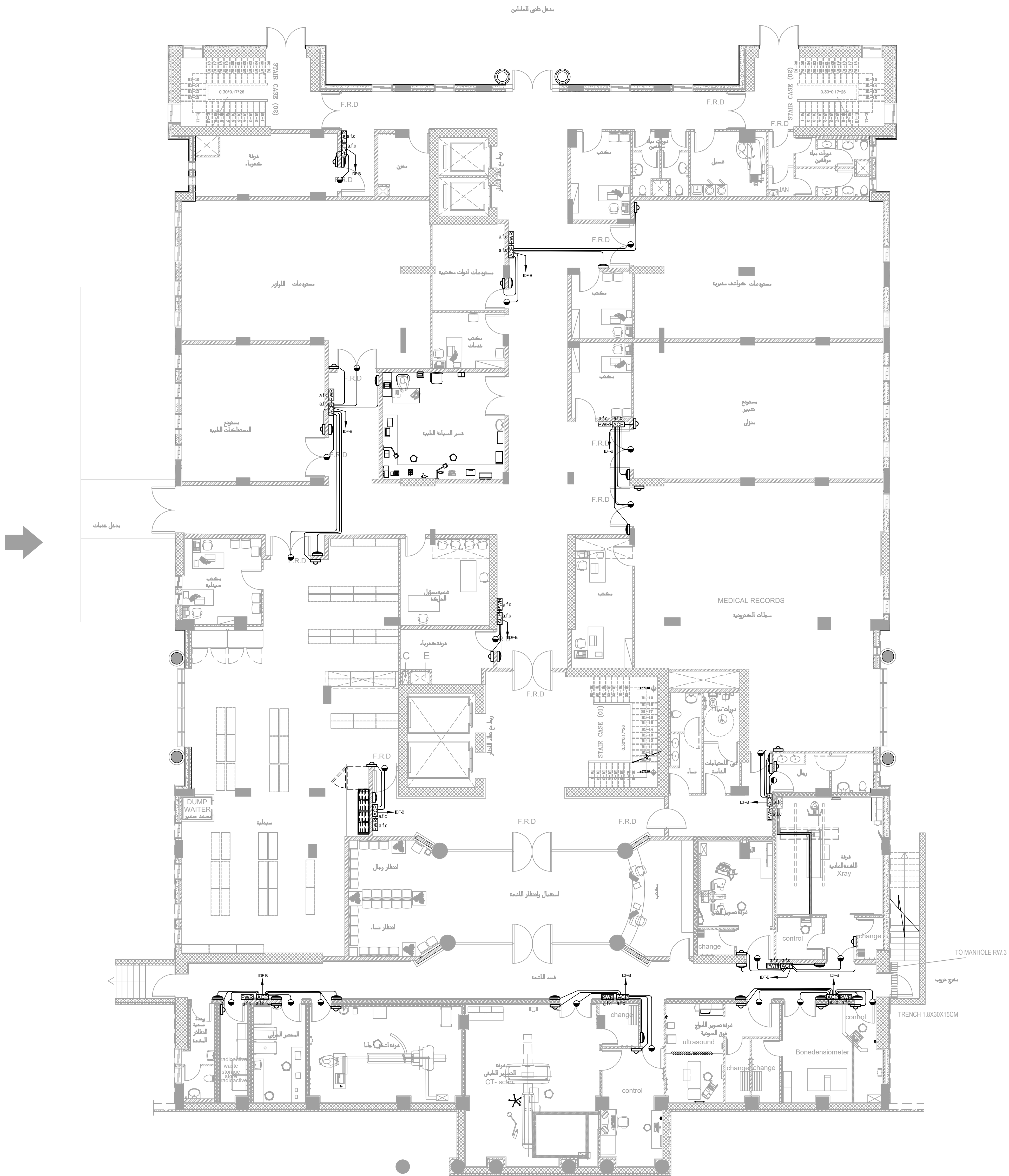
(TR)
1500 kVA
M.V/0.4kV
OUTDOOR
PACKAGE TYPE

قدرة الجولت حسب طلب المالك
للتوسعات المستقبلية

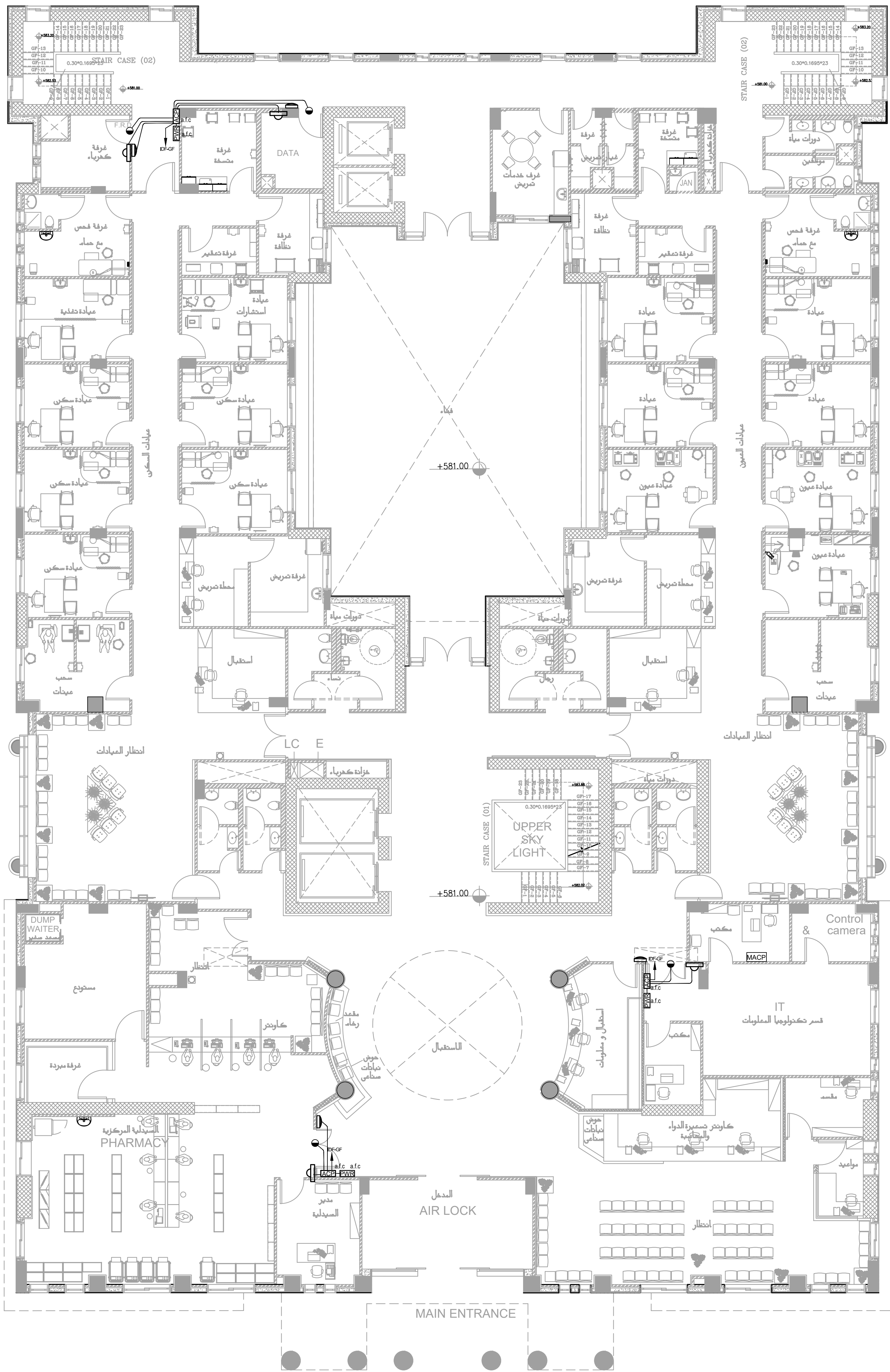


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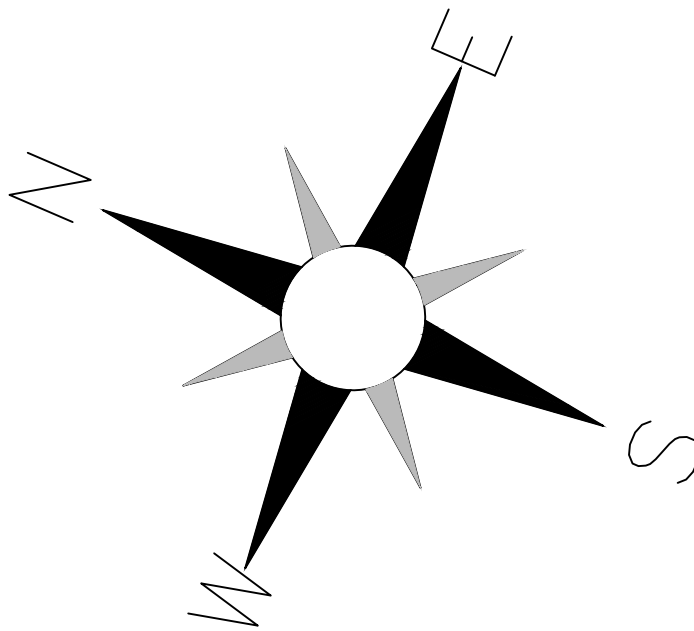
PLOT NO		:	413	
DISTRICT		:	IRBID	
BASIN		:	40 ALMUSRIB ALSHAMALIUI	
REV. MARK	DATE	MADE BY	REMARKS	
CLIENT	NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS			
MP CE	MADI & PARTNERS CONSULTING ENGINEERS TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo			
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY			
DRG. TITLE	POWER SYSTEM RISER DIAGRAM -01			
DRAWN BY : ELEC.T			SCALE: N.T.S	
DESIGNED BY : A.F			DATE : DEC.-2023	
CHECKED BY : I.A			PROJECT No.	DRAWING No. E-600
APPROVED BY : I.A				



طابق الحديقة



الطابق الأرضي



NOTES:

PLOT NO : 413
DISTRICT : IRBID
BASIN : 40 ALMUSRIB ALSHAMALI

REV. MARK DATE MADE BY REMARKS

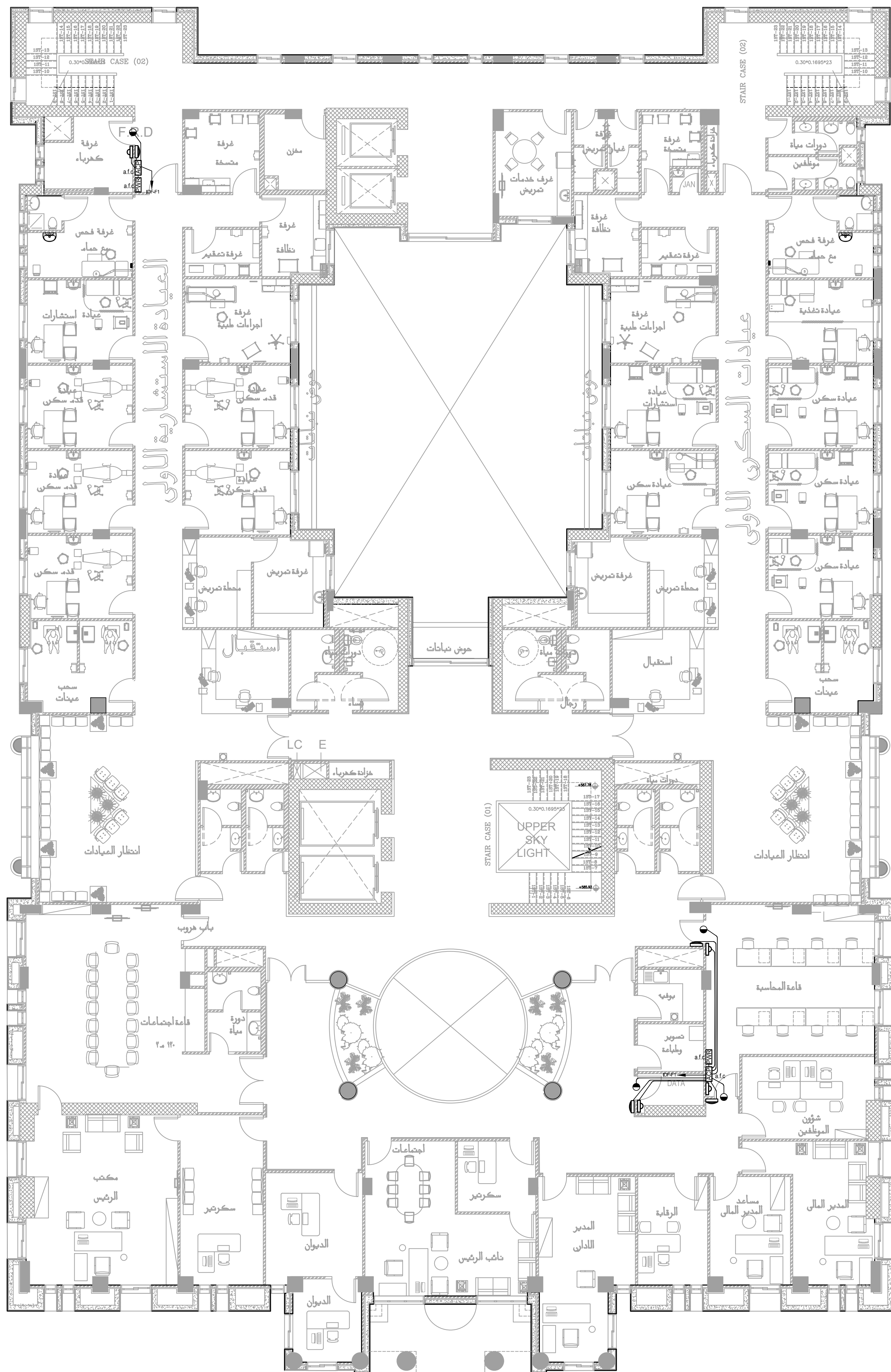
CLIENT NATIONAL CENTER FOR DIABETES
ENDOCRINOLOGY AND GENETICS

MP MADI & PARTNERS CONSULTING ENGINEERS
CE TEL:5829640-5829641 FAX:5829642
e-mail : mpce@index.com.jo

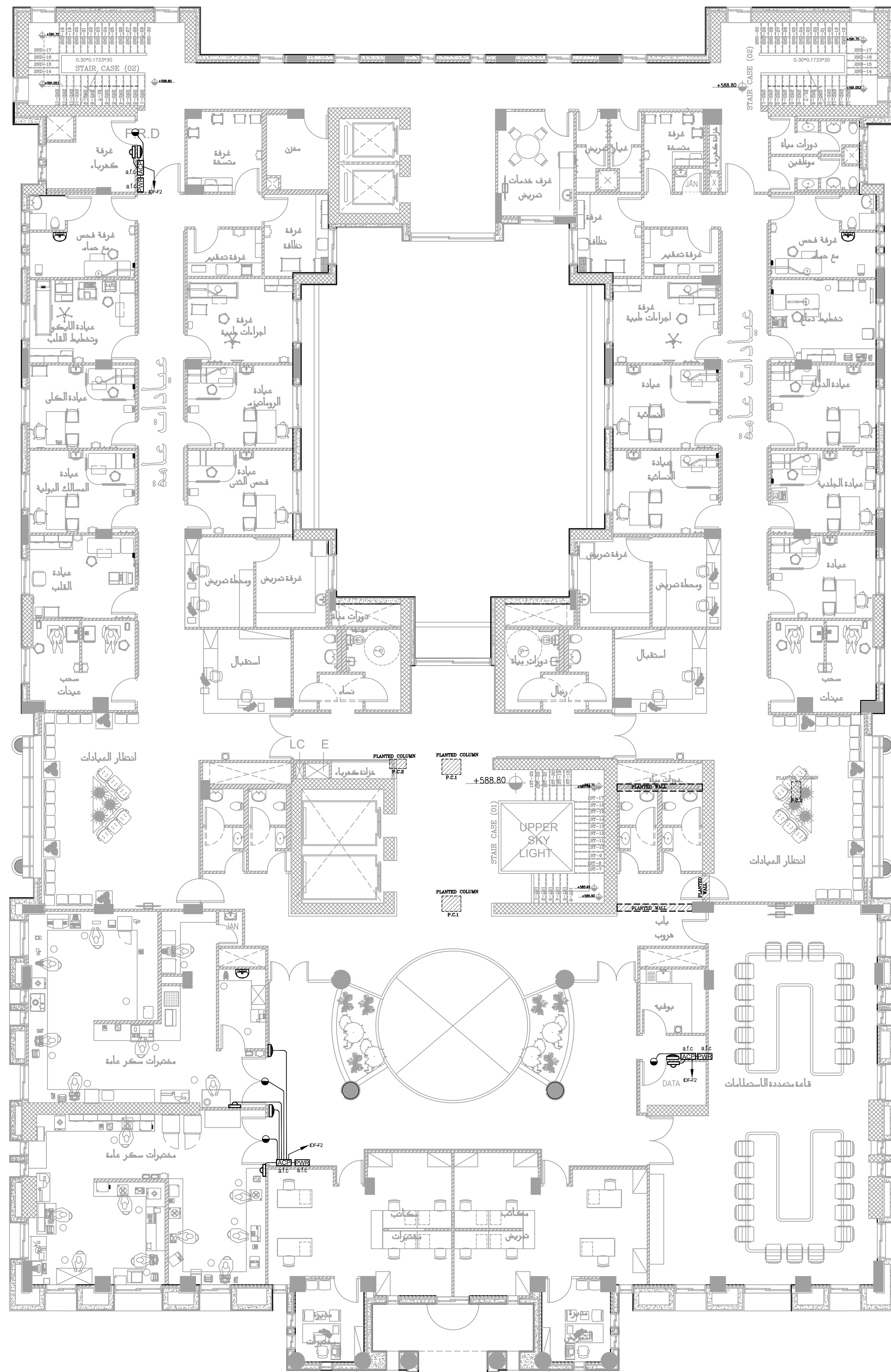
PROJECT NATIONAL DIABETES AND ENDOCRINOLOGY
CENTER BUILDING IN IRBID CITY

DRG. TITLE BASEMENT AND GROUND FLOOR
ACCESS CONTROL SYSTEM LAYOUT

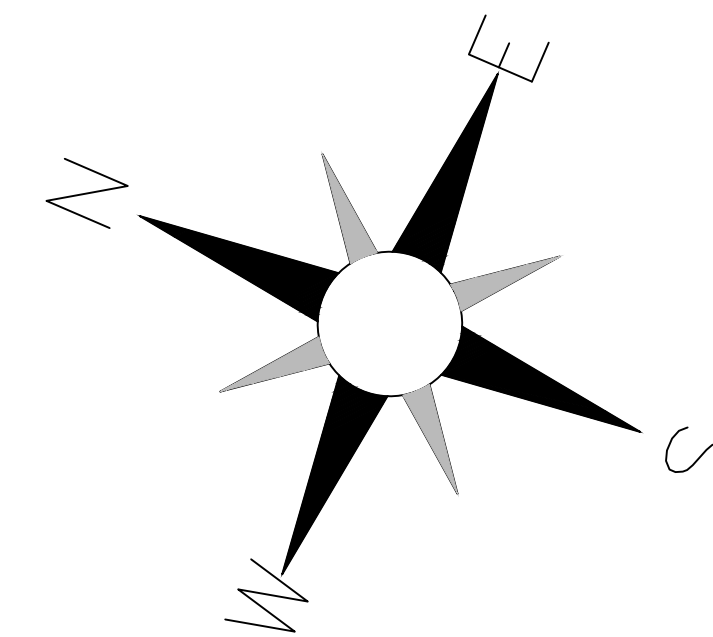
DRAWN BY : ELEC.T SCALE: 1:100
DESIGNED BY : A.F DATE : DEC.-2023
CHECKED BY : S.J PROJECT No. DRAWING No.
APPROVED BY: S.J E-700



الطابق الاول



الطابق الثاني



NOTES:

PLOT NO : 413
DISTRICT : IRBID
BASIN : 40 ALMUSRIB ALSHAMALI

REV. MARK DATE MADE BY REMARKS

CLIENT NATIONAL CENTER FOR DIABETES
ENDOCRINOLOGY AND GENETICS

MP MADI & PARTNERS CONSULTING ENGINEERS
C E TEL:5829640-5829641 FAX:5829642
e-mail : mpce@index.com.jo

PROJECT NATIONAL DIABETES AND ENDOCRINOLOGY
CENTER BUILDING IN IRBID CITY

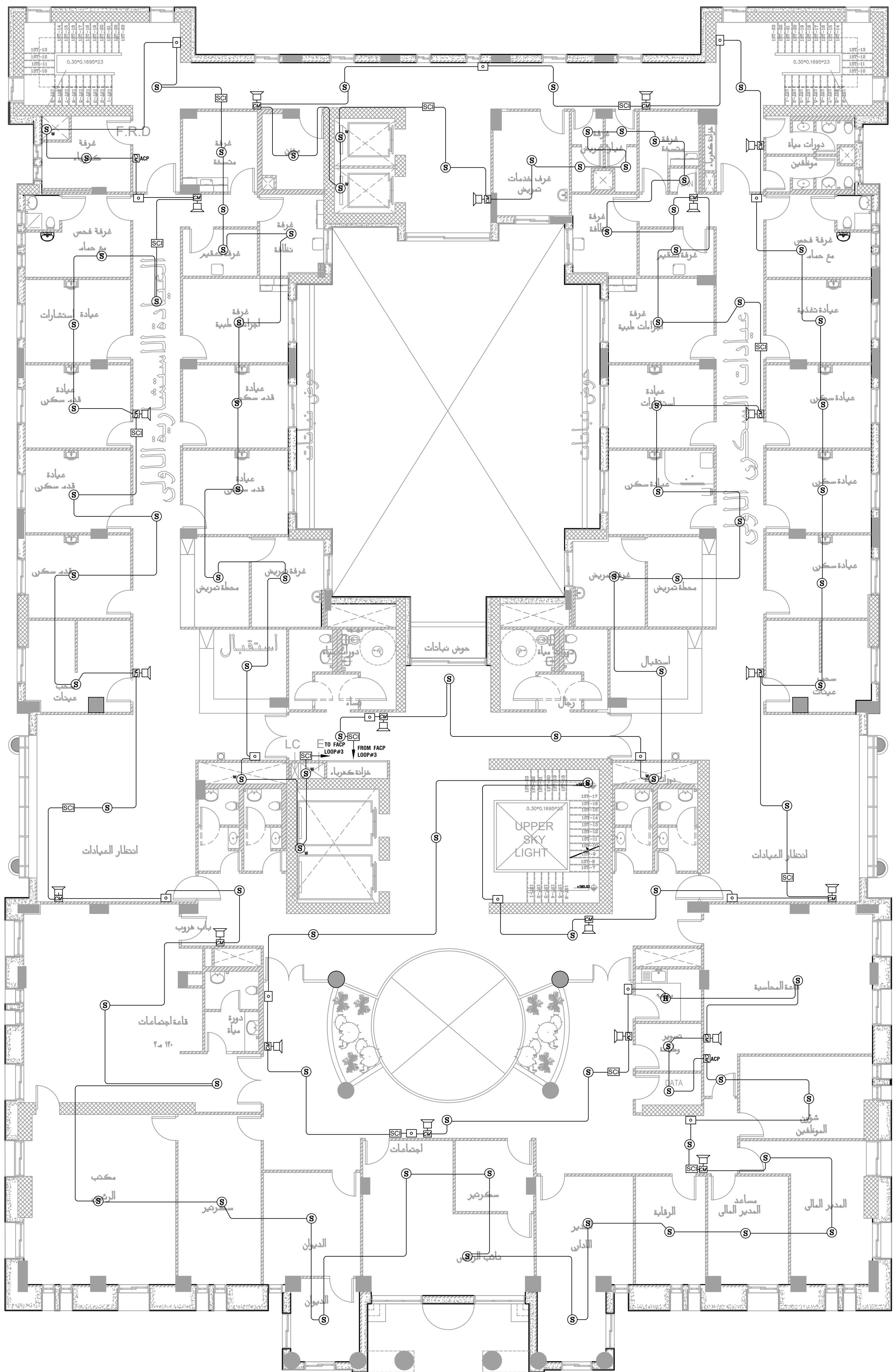
DRG. TITLE FIRST AND SECOND FLOOR
ACCESS CONTROL SYSTEM LAYOUT

DRAWN BY : ELEC.T SCALE: 1:100

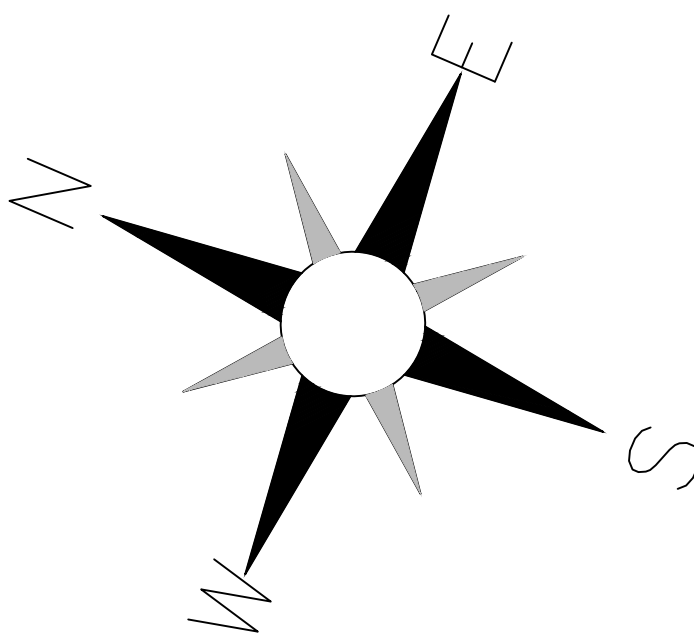
DESIGNED BY : A.F DATE : DEC.-2023

CHECKED BY : S.J PROJECT No. DRAWING No.

APPROVED BY: S.J E-701

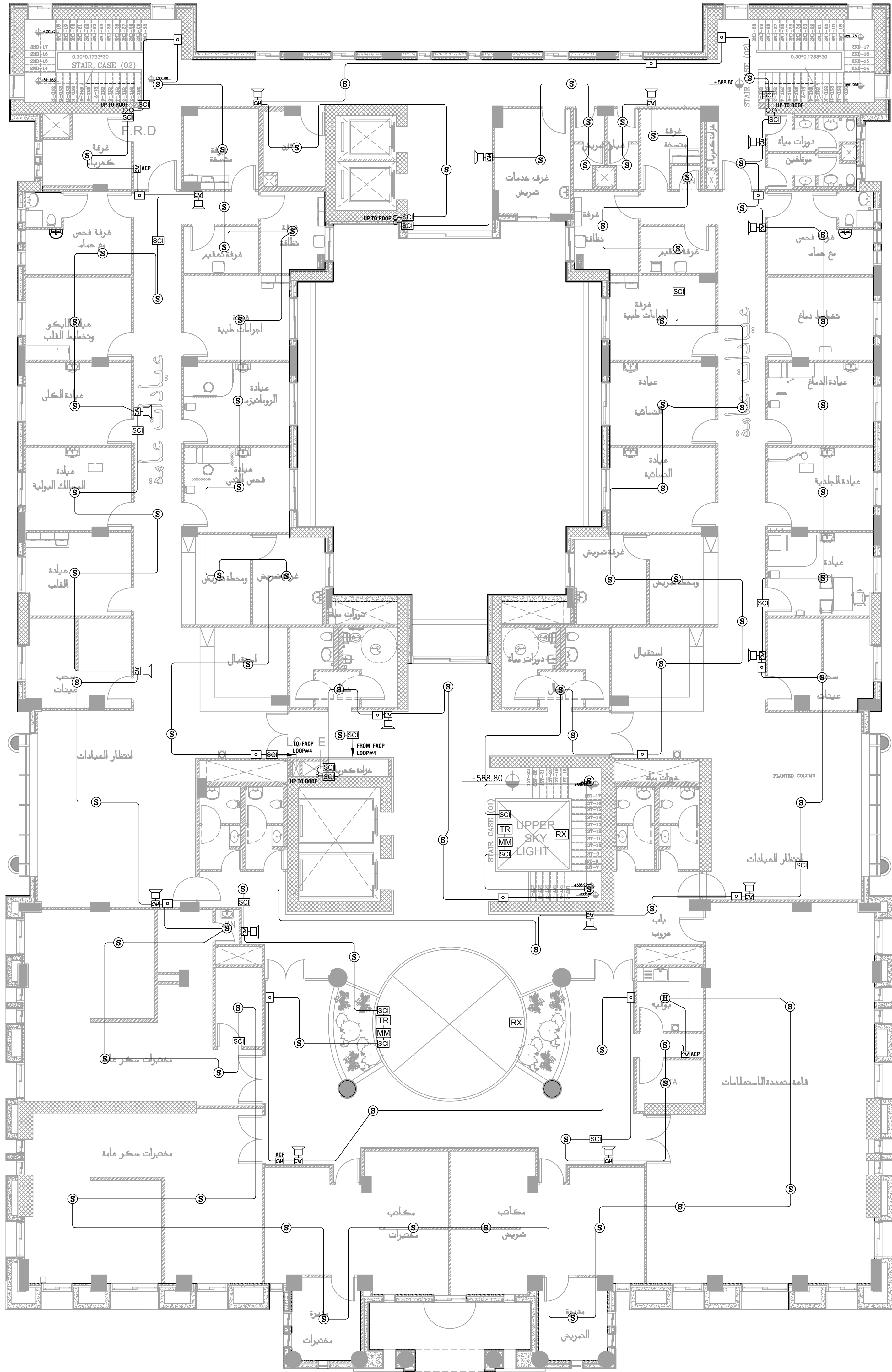


الطابق الاول

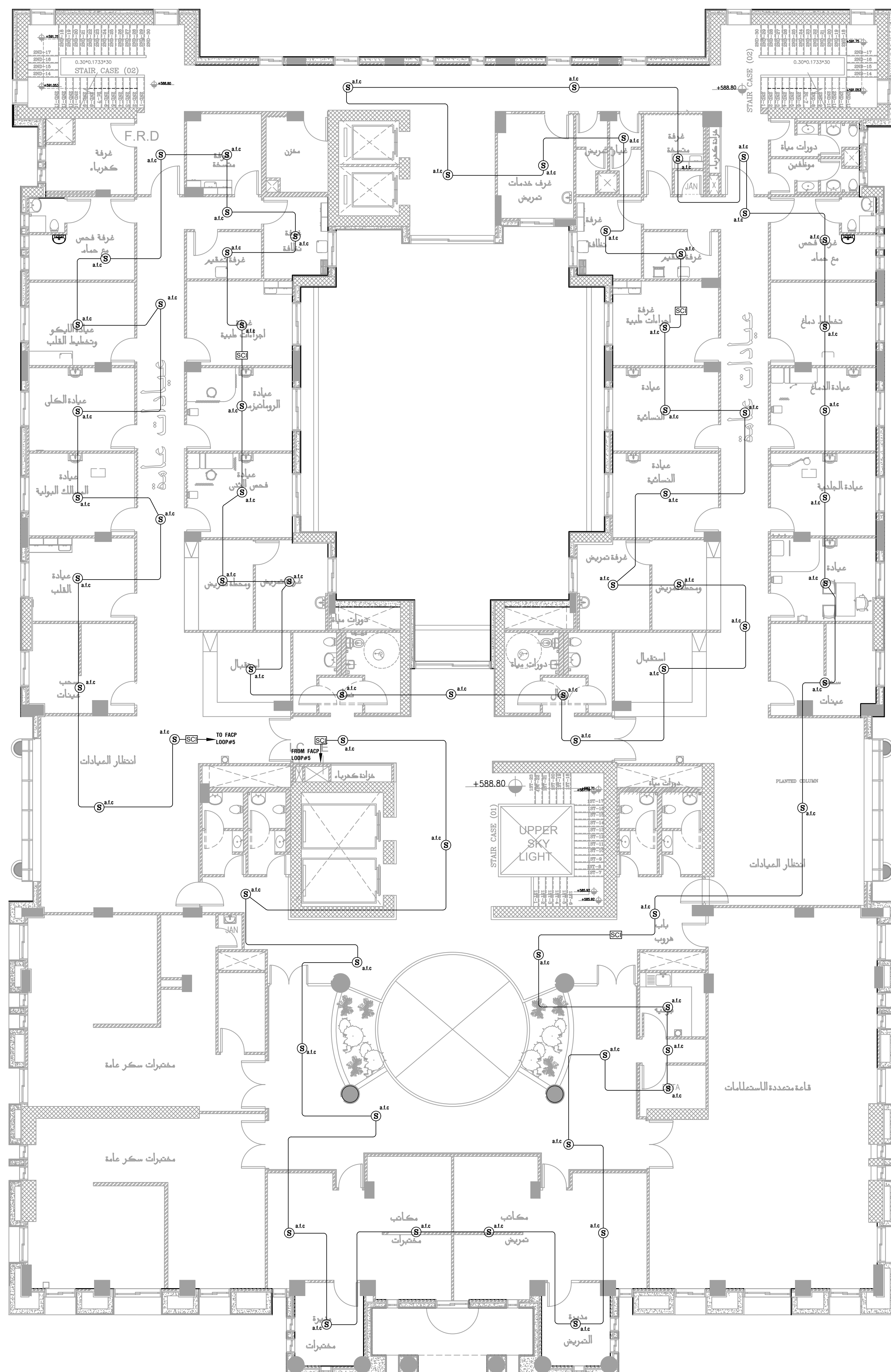


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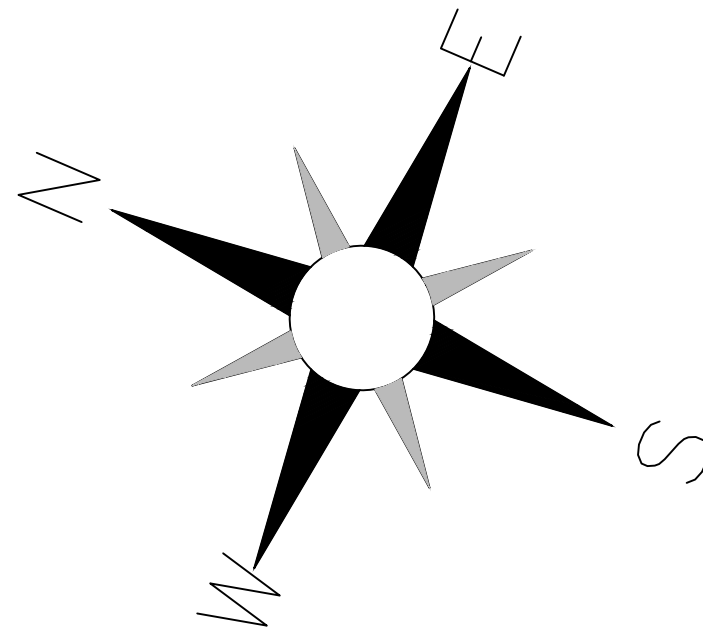
PLOT NO		413	
DISTRICT		IRBID	
BASIN		40 ALMUSRIB ALSHAMALI	
REV. MARK	DATE	MADE BY	REMARKS
CLIENT		NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS	
M P C E	MADI & PARTNERS CONSULTING ENGINEERS		
	TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo		
PROJECT		NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY	
DRG. TITLE	FIRST FLOOR FIRE ALARM SYSTEM LAYOUT		
DRAWN BY		ELEC.T	SCALE: 1:100
DESIGNED BY		A.F	DATE :DEC.-2023
CHECKED BY		S.J	PROJECT No. DRAWING No.
APPROVED BY:		S.J	E-801



الطابق الثاني

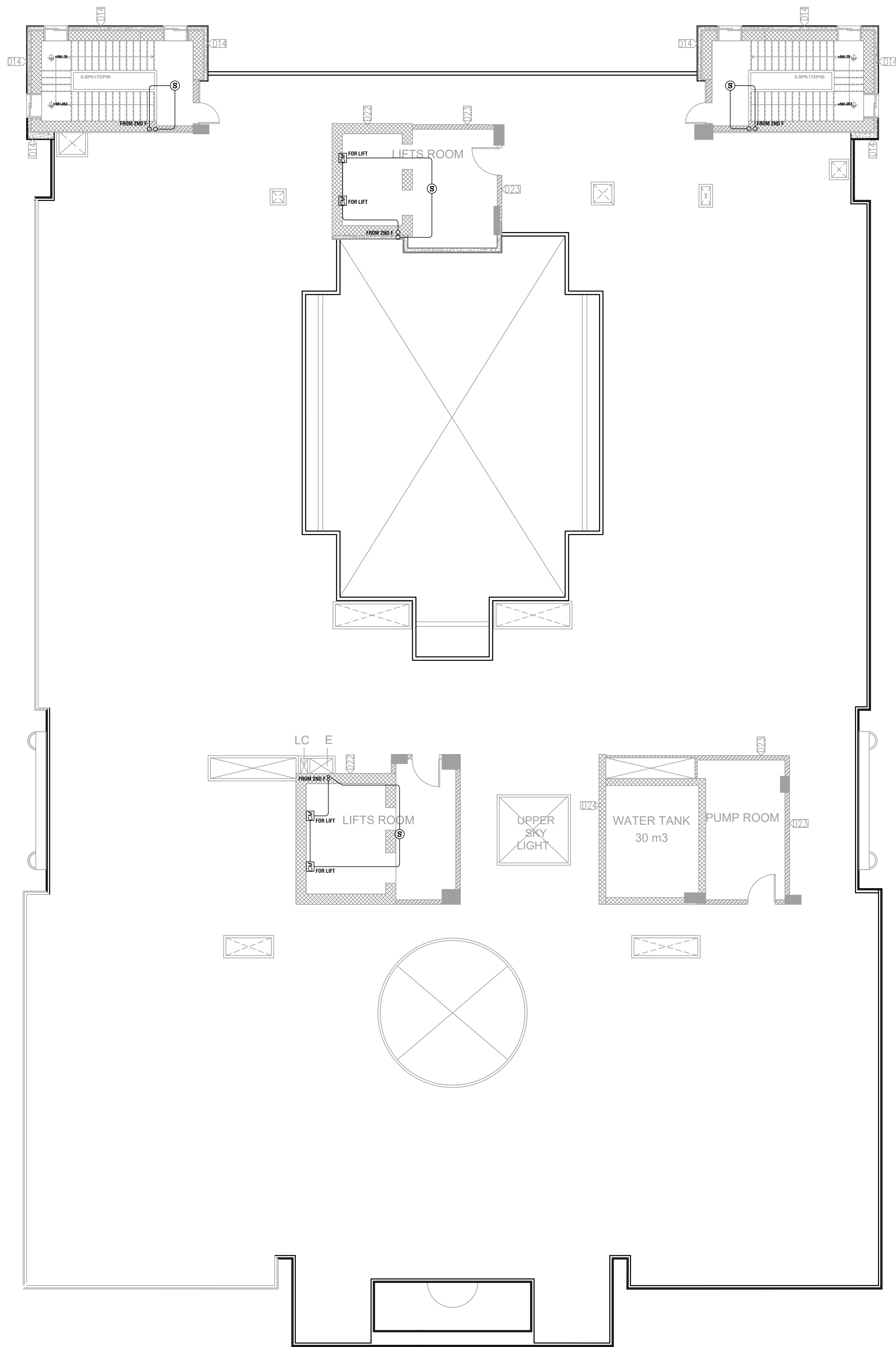


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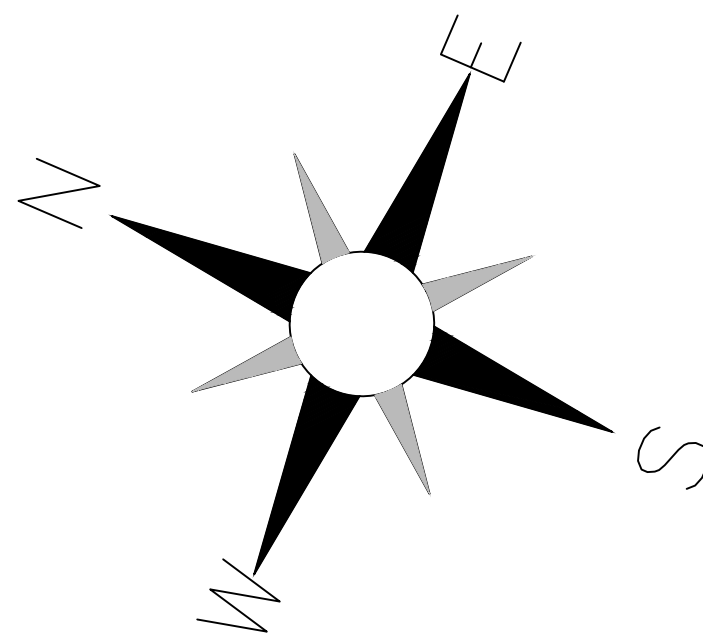


NOTES:

PLOT NO		:	413	
DISTRICT		:	IRBID	
BASIN		:	40 ALMUSRIB ALSHAMALIJI	
REV. MARK	DATE	MADE BY	REMARKS	
CLIENT		NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS		
MP CE		MADI & PARTNERS CONSULTING ENGINEERS TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo		
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY			
DRG. TITLE	SECOND FLOOR FIRE ALARM SYSTEM LAYOUT AND FIRE ALARM SYSTEM ABOVE FOR CEILING			
DRAWN BY		: ELEC.T		SCALE: 1:100
DESIGNED BY		: A.F		DATE : DEC.-2023
CHECKED BY		: S.J		PROJECT No. DRAWING No.
APPROVED BY		: S.J		E-802



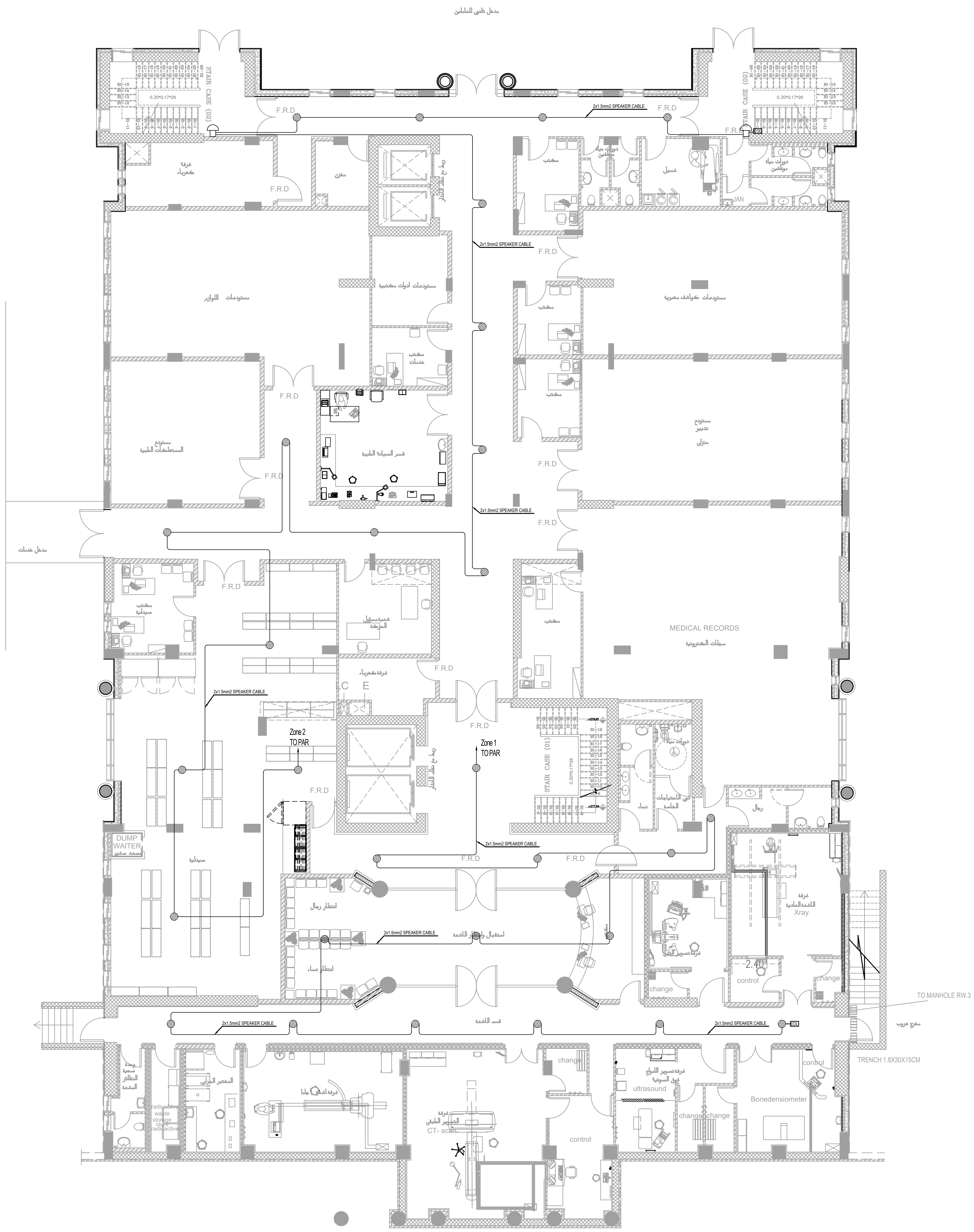
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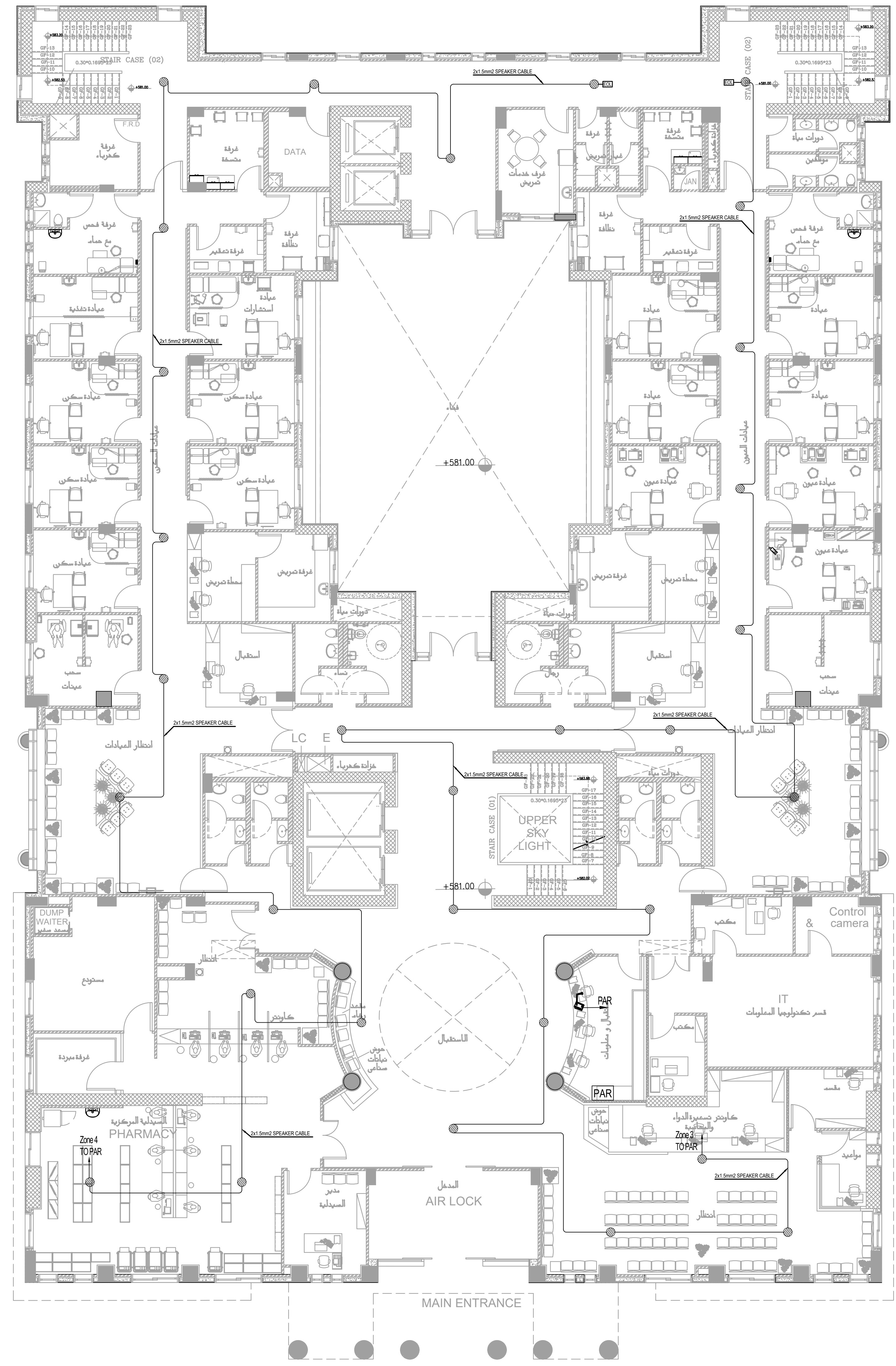
PLOT NO		413	
DISTRICT		IRBID	
BASIN		40 ALMUSRIB ALSHAMALI	
REV. MARK	DATE	MADE BY	REMARKS
CLIENT	NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS		
MP CE	MADI & PARTNERS CONSULTING ENGINEERS TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo		
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY		
DRG. TITLE	ROOF FLOOR FIRE ALARM SYSTEM LAYOUT		
DRAWN BY : ELEC.T		SCALE: 1:100	
DESIGNED BY : A.F		DATE : DEC.-2023	
CHECKED BY : S.J		PROJECT No.	DRAWING No.
APPROVED BY: S.J			
		E-804	

E-804

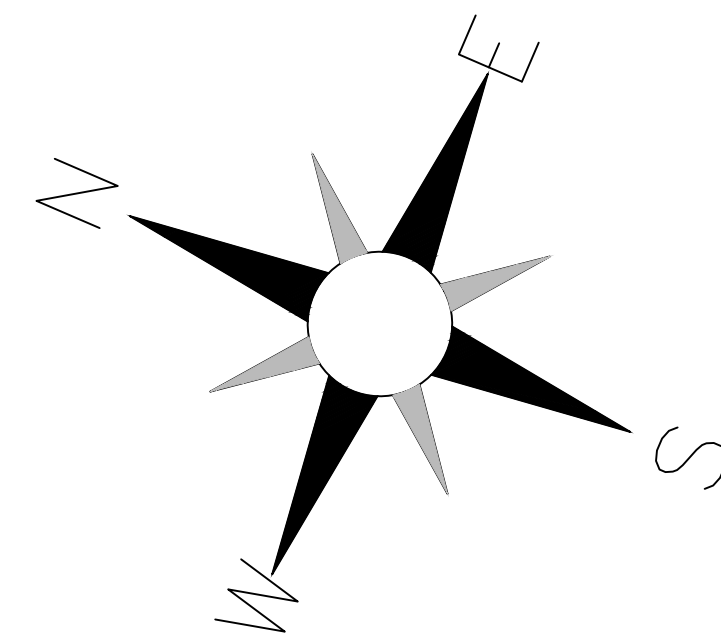


مخطط طابق الأرض

طابق الحسوية

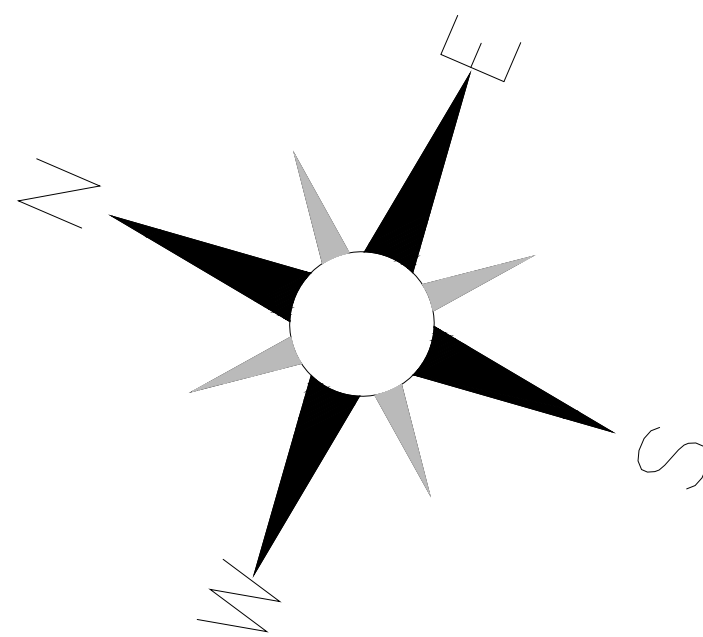


المخطط للأرض



NOTES:

PLOT NO		413	
DISTRICT		IRBID	
BASIN		40 ALMUSRIB ALSHAMALIJI	
REV. MARK	DATE	MADE BY	REMARKS
CLIENT NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS			
MP CE	MADI & PARTNERS CONSULTING ENGINEERS		
	TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo		
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY		
DRG. TITLE	BASEMENT AND GROUND FLOOR PUBLIC ADDRESS SYSTEM LAYOUT		
DRAWN BY : ELEC.T		SCALE: 1:100	
DESIGNED BY : A.F		DATE : DEC.-2023	
CHECKED BY : S.J		PROJECT No. DRAWING No.	
APPROVED BY: S.J		E-900	



NOTES:

PLOT NO : 413
DISTRICT : IRBID
BASIN : 40 ALMUSRIB ALSHAMALI

REV. MARK DATE MADE BY REMARKS

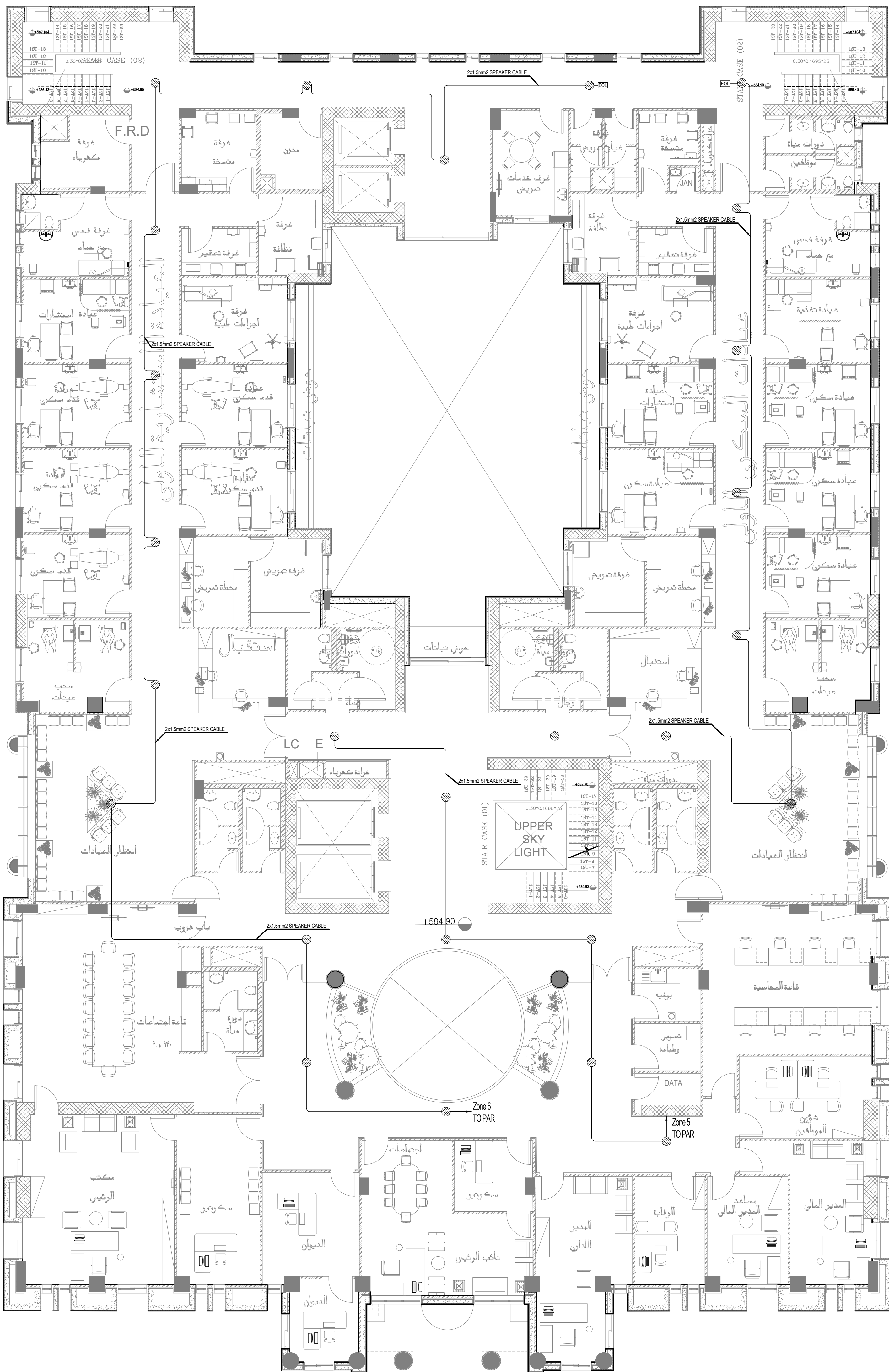
CLIENT NATIONAL CENTER FOR DIABETES
ENDOCRINOLOGY AND GENETICS

MP MADI & PARTNERS CONSULTING ENGINEERS
CE TEL:5829640-5829641 FAX:5829642
e-mail : mpce@index.com.jo

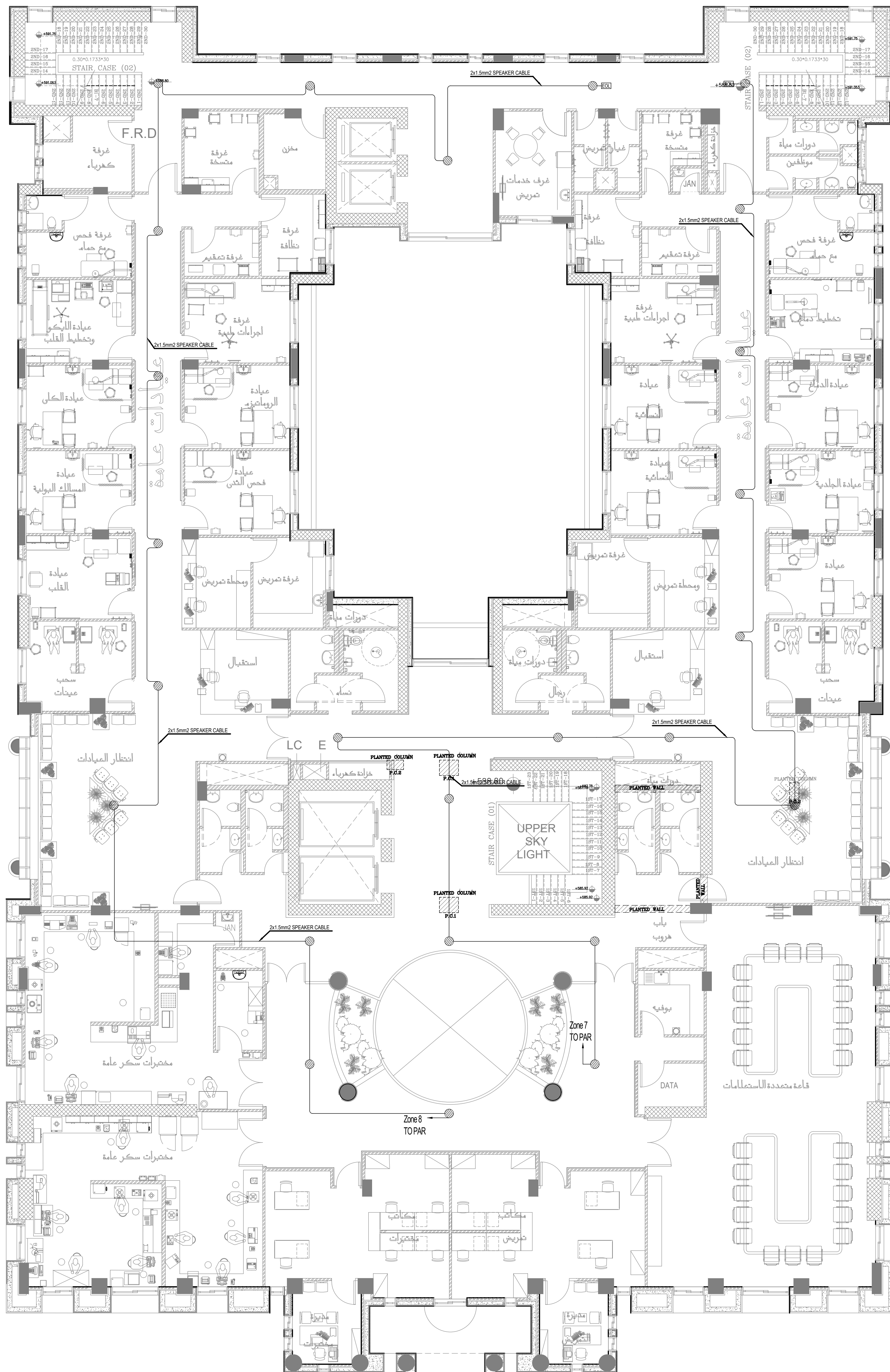
PROJECT NATIONAL DIABETES AND ENDOCRINOLOGY
CENTER BUILDING IN IRBID CITY

DRG. TITLE FIRST AND SECOND FLOOR
PUBLIC ADDRESS SYSTEM LAYOUT

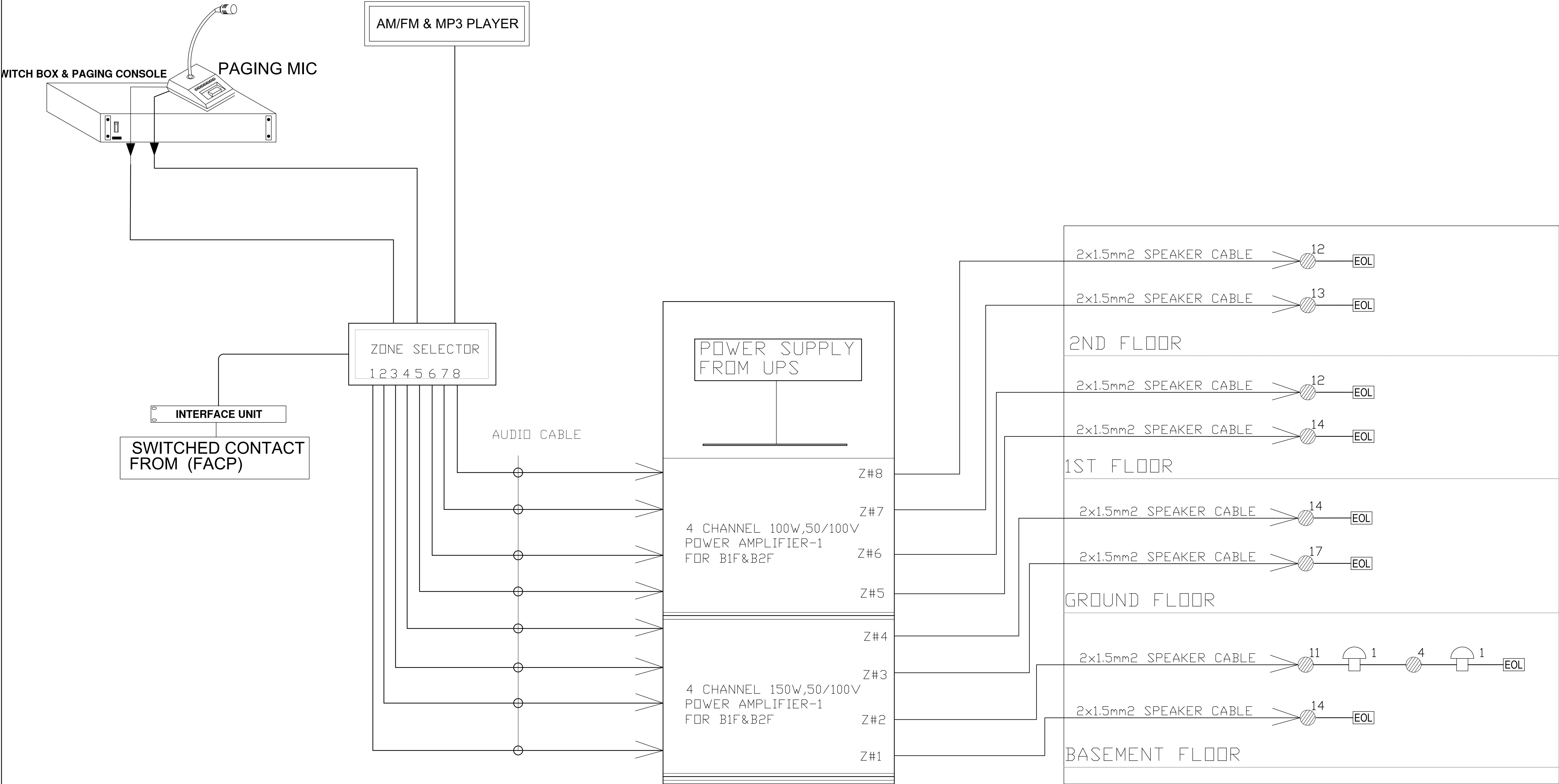
DRAWN BY : ELEC.T SCALE: 1:100
DESIGNED BY : A.F DATE : DEC.-2023
CHECKED BY : S.J PROJECT No. DRAWING No.
APPROVED BY: S.J E-901



الطابق الاول



الطابق الثاني

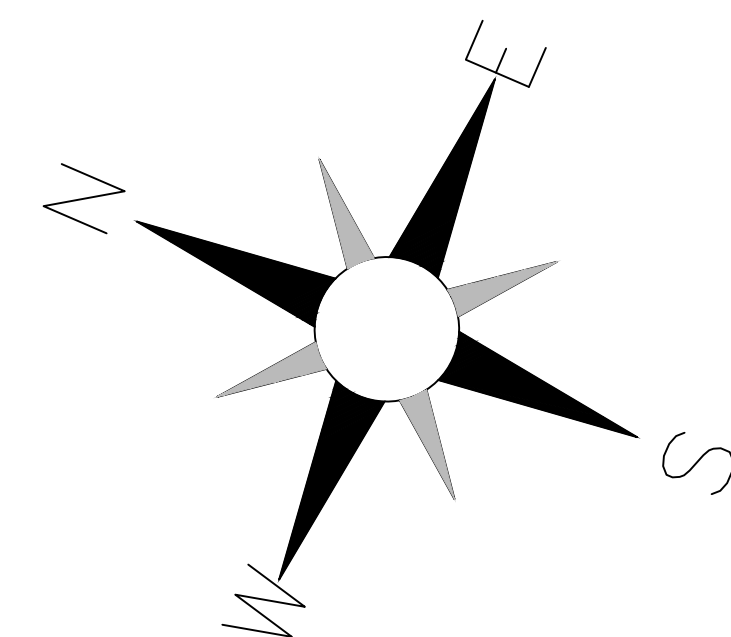
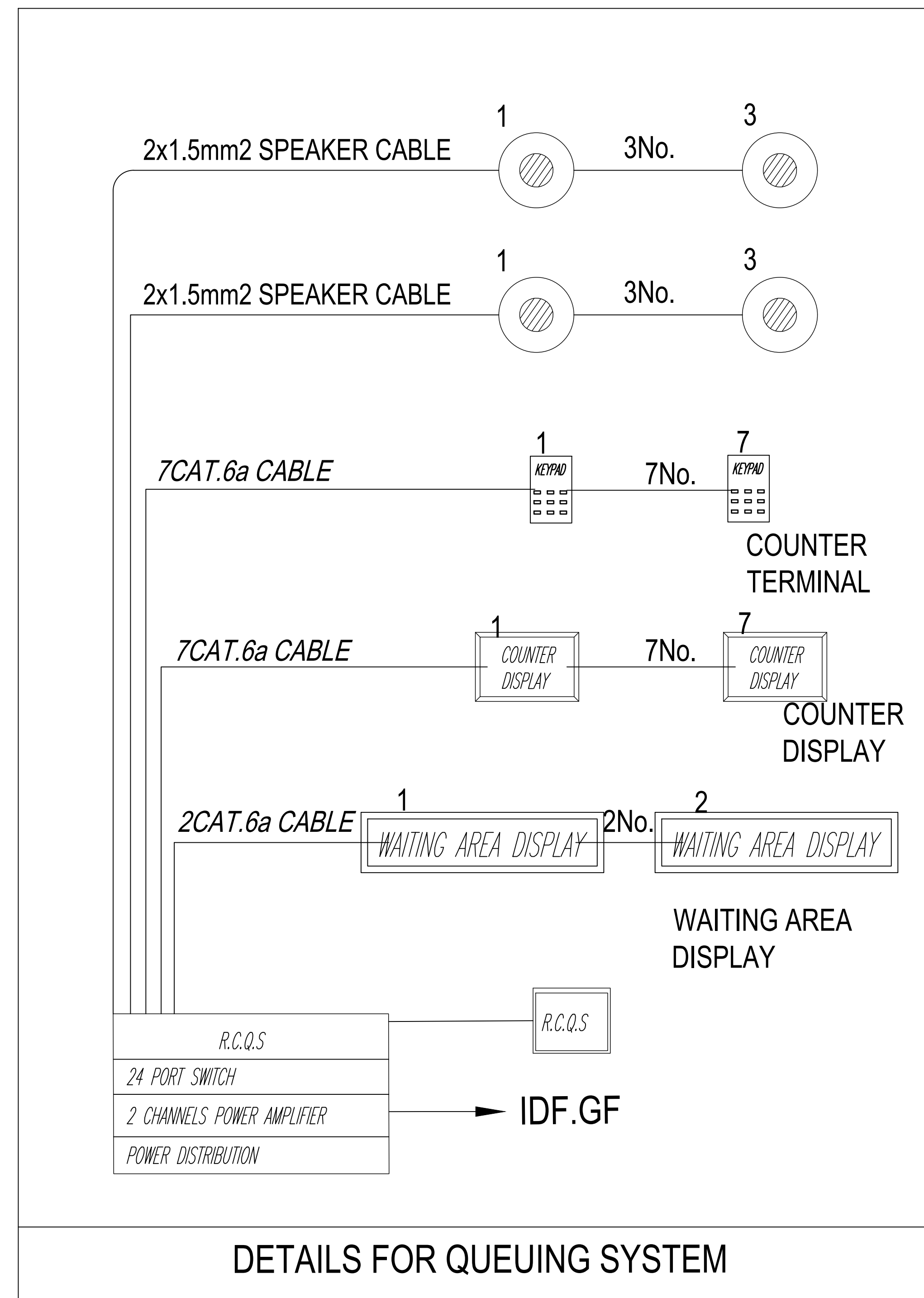
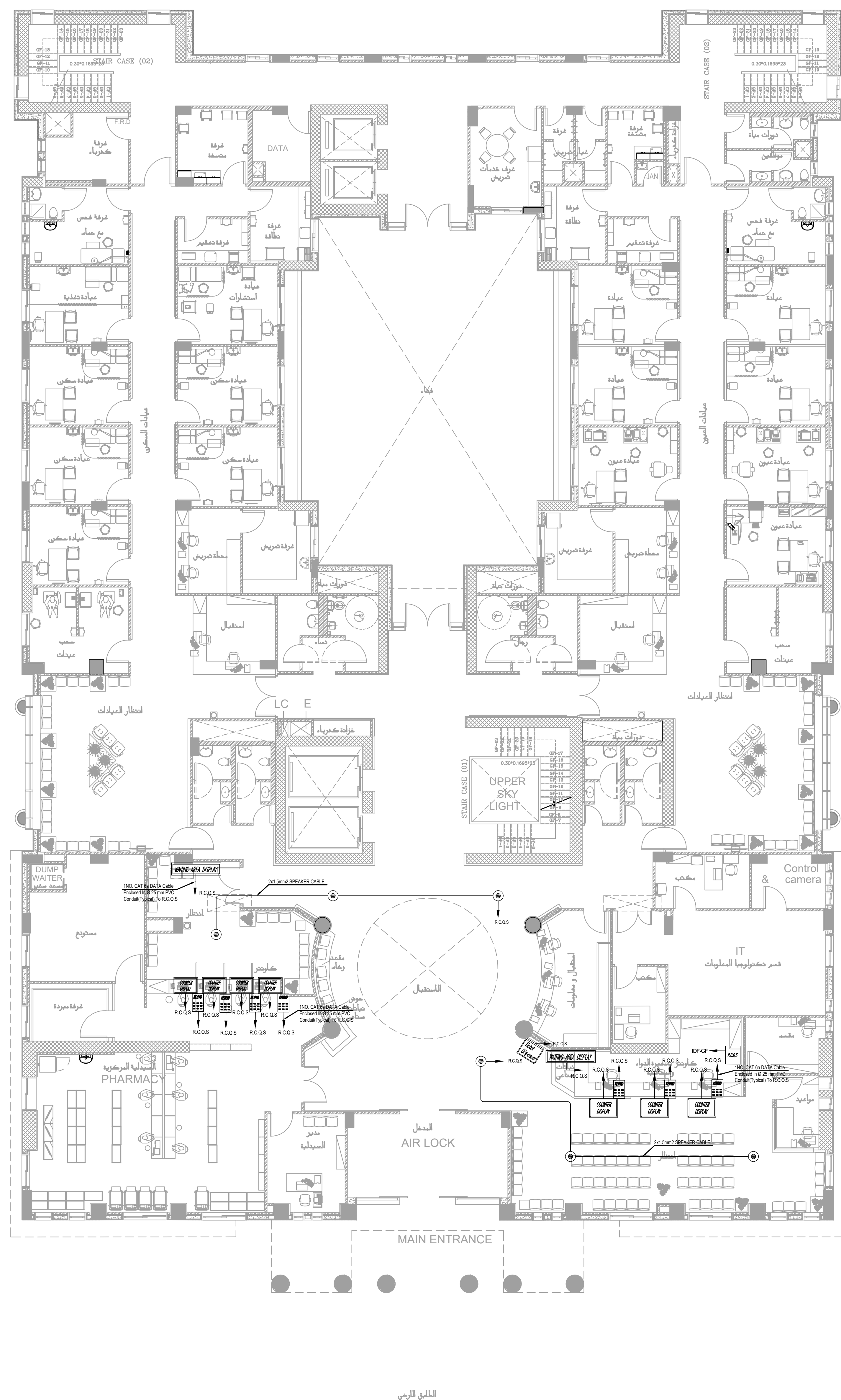


PUBLIC ADDRESS SYSTEM SCHEMATIC RISER DIAGRAM



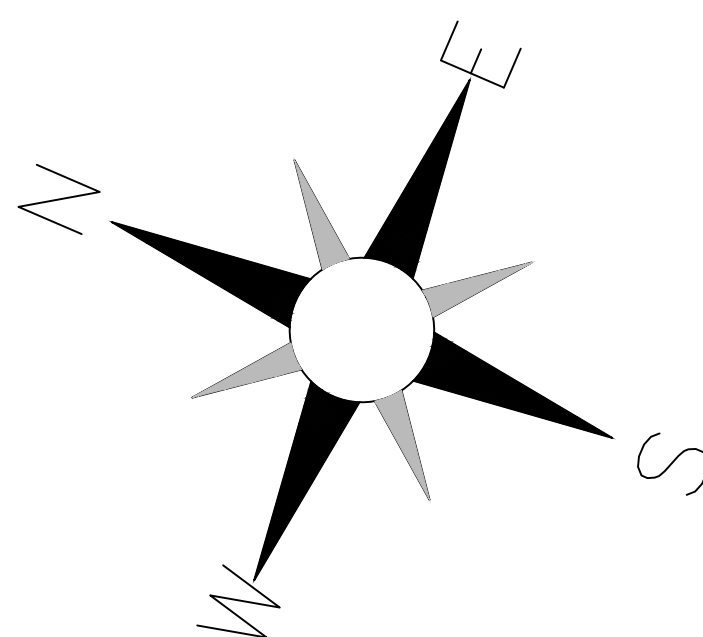
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PLOT NO		1	
DISTRICT		KARAK	
BASIN		14 TALAT EAWAHAD	
REV. MARK	DATE	MADE BY	REMARKS
THE NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS			
CLIENT			
M P C E	MADI & PARTNERS CONSULTING ENGINEERS		
	TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo		
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN KARAK CITY		
DRG. TITLE	PUBLIC ADDRESS SYSTEM SCHEMATIC RISER		
DRAWN BY : ELEC.T		SCALE: N.T.S	
DESIGNED BY : A.F		DATE : DEC.-2023	
CHECKED BY : S.J		PROJECT No.	DRAWING No.
APPROVED BY: S.J			
		E-902	

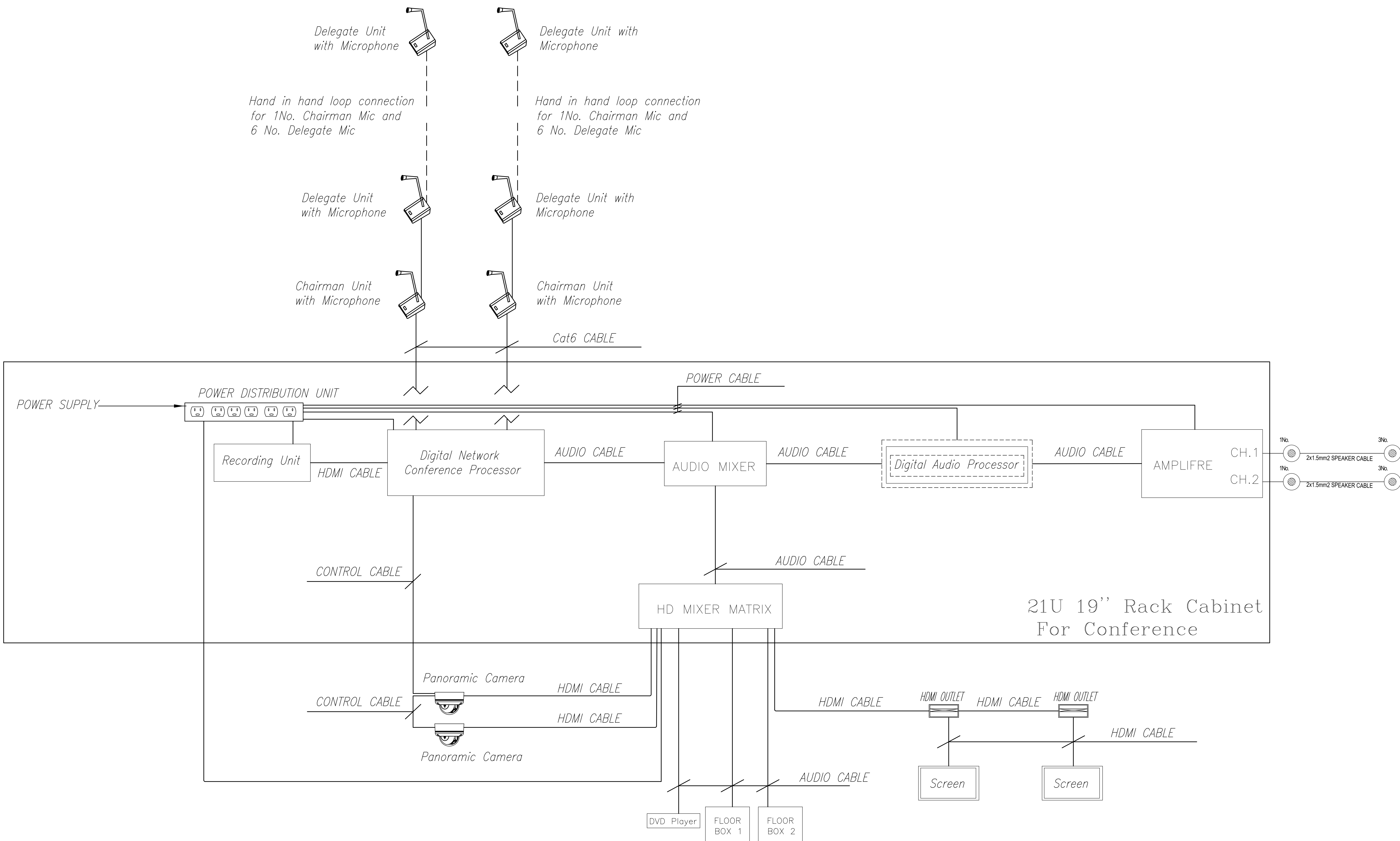


NOTES:

PLOT NO	:	413		
DISTRICT	:	IRBID		
BASIN	:	40 ALMUSRIB ALSHAMALI		
REV. MARK	DATE	MADE BY	REMARKS	
CLIENT	NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS			
MP	MADI & PARTNERS CONSULTING ENGINEERS TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo			
CE				
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY			
DRG. TITLE	GROUND FLOOR QUEUING SYSTEM LAYOUT			
DRAWN BY		: ELEC.T	SCALE: 1:100	
DESIGNED BY		: A.F	DATE : DEC.-2023	
CHECKED BY		: I.A	PROJECT No.	DRAWING No.
APPROVED BY		: I.A	E-1000	





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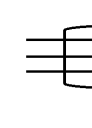


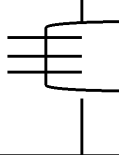
CONFERENCE SYSTEM RISER DIAGRAM


PLOT NO		:	413	
DISTRICT		:	IRBID	
BASIN		:	40 ALMUSRIB ALSHAMALI	
REV.	MARK	DATE	MADE BY	REMARKS
CLIENT		NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS		
M P C E	MADI & PARTNERS CONSULTING ENGINEERS			
	TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo			
PROJECT		NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY		
DRG. TITLE	CONFERENCE SYSTEM RISER DIAGRAM			
DRAWN BY : ELECT			SCALE: 1:100	
DESIGNED BY: AMRQ			DATE : DEC.-2023	
CHECKED BY: SJA			PROJECT No.	
APPROVED BY: S.J			DRAWING No. E-1100	

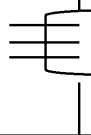
DISTRIBUTION PANEL BOARD																		
PROJECT:		Diabetes-Irbid			LOCATION:		BASEMENT FLOOR				PANEL REF:		DBP1-B					
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ											CABLE SIZE		(4X16+1X16)mm2 Cu/XLPE/PVC					
											MAIN SUPPLY FROM:		SMDB-B					
Designation Load		wire size mm2	Phase Load In W				Trip Rating				Phase Load In W				wire size mm2	Designation Load		
			R	Y	B	CT NO	MCB (A)	R	Y	B	MCB (A)	CT NO	R	Y	B			
SOCKET OUTLETS	4	600				1	16				16	2	500			4	SOCKET OUTLETS	
SOCKET OUTLETS	4		300			3	16				16	4		700		4	SOCKET OUTLETS	
SOCKET OUTLETS	4				1200	5	16				16	6			700	4	SOCKET OUTLETS	
SOCKET OUTLETS	4	500				7	16				16	8	600			4	SOCKET OUTLETS	
SOCKET OUTLETS	4		700			9	16				16	10		500		4	SOCKET OUTLETS	
SOCKET OUTLETS	4				1000	11	16				16	12			600	4	SOCKET OUTLETS	
SOCKET OUTLETS	4	100				13	16				16	14	400			4	SOCKET OUTLETS	
SOCKET OUTLETS	4				1000	15	16				16	16		600		4	SOCKET OUTLETS	
FOR COOLER	4				200	17	16				16	18				4	SPARE	
SOCKET OUTLETS	4	600				19	16				16	20	400			4	SOCKET OUTLETS	
SPARE						21	16				16	22		250		4	A.C.I.U	
A.C.I.U	4				450	23	16				16	24			320	4	A.C.I.U	
A.C.I.U	4	350				25	16				16	26	450			4	A.C.I.U	
SOCKET OUTLETS	4			400		27	16				16	28		600		4	SOCKET OUTLETS	
FOR LIFTING PUMP	4				1000	29	16				16	30				4	SPARE	
SPU-01	4	1200				31	20				16	32				4	SPARE	
SP-D2	4			700		33	16				16	34				4	SPARE	
SPARE						35	16				16	36				4	SPARE	
Subtotal			3350	3100	3850					2350 2650 1620								
40A MCCB																		
Total Connected W		5700	5750	5470					Lighting				Socket Outlet		MISC		TOTAL	
CONNECTED LOAD W		16920.0							Connected W				R	Y	B	3700	2000	5700
DEMAND LOAD W		11332.0							DEM FACT				R	Y	B	3700	1770	5470
PANEL LOAD kW		11.33							Demand W				R	Y	B	2220	1700	3920
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)		23.1											R	Y	B	2880	807.5	3687.5
													R	Y	B	2220	1505	3724.5

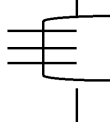
DISTRIBUTION PANEL BOARD																	
PROJECT:		Diabetes-Irbid			LOCATION:		BASEMENT FLOOR				PANEL REF:		EDBP1-B				
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ												CABLE SIZE		(4X16+1X16)mm2 Cu/XLPE/PVC			
												MAIN SUPPLY FROM:		ESMDB-B			
Designation Load	wire size mm2	Phase Load In W			Trip Rating						Phase Load In W				wire size mm2	Designation Load	
		R	Y	B	CT NO	MCB (A)	R	Y	B	MCB (A)	CT NO	R	Y	B			
FOR REF.	4	500			1	16				16	2	900			4	SOCKET OUTLETS	
FOR REF.	4		1400		3	16				16	4		1400		4	FOR REF.	
FOR REF.	4			1400	5	16				16	6		900	900	4	SOCKET OUTLETS	
SOCKET OUTLETS	4	900			7	16				16	8	900			4	SOCKET OUTLETS	
SOCKET OUTLETS	4		600		9	16				16	10		800		4	SOCKET OUTLETS	
SOCKET OUTLETS	4			1200	11	16				16	12			1100	4	SOCKET OUTLETS	
SOCKET OUTLETS	4	600			13	16				16	14	900			4	SOCKET OUTLETS	
SOCKET OUTLETS	4		600		15	16				16	16		1000		4	SOCKET OUTLETS	
FOR ACP	4			200	17	16				16	18			400	4	FOR ACP	
SOCKET OUTLETS	4	600			19	16				16	20	600			4	SOCKET OUTLETS	
SPARE					21	16				16	22					SPARE	
SPARE					23	16				16	24					SPARE	
Subtotal		2600 2600 2800							3300 3200 2400								
40A MCCB																	
Total Connected W	5900	5800	5200														
CONNECTED LOAD W		16900.0			Connected W	R							5900	0	5900		
						Y								5800	0	5800	
DEMAND LOAD W		10140.0				B							5200	0	5200		
					DEM FACT				1				0.6	0.85			
PANEL LOAD KW		10.14			Demand W	R							3540	0	3540		
						Y								3480	0	3480	
						B								3120	0	3120	
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)		20.7															

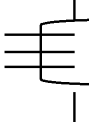
DISTRIBUTION PANEL BOARD																	
PROJECT:		Diabetes-Irbid			LOCATION:		BASEMENT FLOOR			PANEL REF:		DBP2-B					
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ										CABLE SIZE			(4X16+1X16)mm2 Cu/XLPE/PVC				
										MAIN SUPPLY FROM:			MDB				
Designation Load	wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load		
		R	Y	B	CT NO	MCB (A)	R	Y	B	MCB (A)	CT NO	R	Y			B	
SOCKET OUTLETS	4	800			1	16				16	2	600			4	SOCKET OUTLETS	
SOCKET OUTLETS	4		600		3	16				16	4		500		4	SOCKET OUTLETS	
FOR GRINDING MACH.	4			900	5	16				16	6			600		4	SOCKET OUTLETS
SOCKET OUTLETS	4	600			7	16				16	8	400			4	SOCKET OUTLETS	
SOCKET OUTLETS	4		700		9	16				16	10		900		4	SOCKET OUTLETS	
SOCKET OUTLETS	4			700	11	16				16	12			700	4	SOCKET OUTLETS	
SOCKET OUTLETS	4	500			13	16				16	14	500			4	SOCKET OUTLETS	
SOCKET OUTLETS	4		500		15	16				16	16		500		4	SOCKET OUTLETS	
SOCKET OUTLETS	4			700	17	16				16	18			400	4	SOCKET OUTLETS	
SOCKET OUTLETS	4	1200			19	16				16	20	600			4	SOCKET OUTLETS	
SOCKET OUTLETS	4		400		21	16				16	22		400		4	SOCKET OUTLETS	
A.C.I.U	4			160	23	16				16	24			300	4	A.C.I.U	
A.C.I.U	4	160			25	16				16	26	600			4	SOCKET OUTLETS	
FOR IRRIGATION PUMP	4		1000		27	16				16	28		700		4	SP-01	
SPU-02	4			1800	29	20				16	30					SPARE	
Subtotal		3260 3200 4260									2700 3000 2000						
40A MCCB																	
Total Connected W		5960	6200	6260	Lighting						Socket Outlet		MISC	TOTAL			
CONNECTED LOAD W		18420.0			Connected W		R	Y	B	5800		160	5960				
DEMAND LOAD W		12082.0			DEM FACT		B			4000		2260	6260				
PANEL LOAD KW		12.08			Demand W		R	Y	B	3480		136	3616				
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)		24.6					Y			2700		1445	4145				
										2400		1921	4321				


DISTRIBUTION PANEL BOARD																
PROJECT:		Diabetes-Irbid			LOCATION:		BASEMENT FLOOR				PANEL REF:		EDBP2-B			
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ											CABLE SIZE		(4X16+1X16)mm2 Cu/XLPE/PVC			
											MAIN SUPPLY FROM:		ESMDB-B			
Designation Load	wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load	
		R	Y	B	CT NO	MCB (A)	R	Y	B	MCB (A)	CT NO	R	Y			B
FOR REF.	4	900			1	16				16	2	1000			4	SOCKET OUTLETS
FOR REF.	4		1000		3	16				16	4		900		4	FOR REF.
FOR REF.	4			500	5	16				16	6			800	4	SOCKET OUTLETS
SOCKET OUTLETS	4	800			7	16				16	8	600			4	SOCKET OUTLETS
FOR X-RAY VIEWER	4		200		9	20				16	10		800		4	SOCKET OUTLETS
FOR BONE DENSITOMETRY	4			2000	11	16				16	12			1000	4	SOCKET OUTLETS
SOCKET OUTLETS	4	600			13	16				16	14	900			4	SOCKET OUTLETS
SOCKET OUTLETS	4		600		15	16				16	16		1000		4	SOCKET OUTLETS
FOR ACP	4			200	17	16				16	18					SPARE
SPARE					19	16				16	20					SPARE
SPARE					21	16				16	22					SPARE
SPARE					23	16				16	24					SPARE
Subtotal		2300 1800 2700							2500 2700 1800							
Total Connected W		4800	4500	4500	Connected W		Lighting		Socket Outlet		MISC		TOTAL			
CONNECTED LOAD W		13800.0			Y				4800		0		4800			
DEMAND LOAD W		8280.0			B				4500		0		4500			
					DEM FACT		1		0.6		0.85					
PANEL LOAD kW		8.28			Demand W		R		2880		0		2880			
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)		16.9					Y		2700		0		2700			
							B		2700		0		2700			

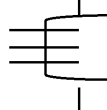
DISTRIBUTION PANEL BOARD																		
PROJECT:		Diabetes-Irbid			LOCATION:		GROUND FLOOR			PANEL REF:			DBP1-GF					
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ										CABLE SIZE			(4X16+1X16)mm2 Cu/XLPE/PVC					
										MAIN SUPPLY FROM:			SMDB-B					
Designation Load		wire size mm2	Phase Load In W			Trip Rating				Phase Load In W				wire size mm2	Designation Load			
			R	Y	B	CT NO	MCB (A)	R	Y	MCB (A)	CT NO	R	Y	B				
SOCKET OUTLETS	4	900				1	16			16	2	200			4	FOR COOLER		
SOCKET OUTLETS	4		900			3	16			16	4		200		4	FOR COOLER		
SPARE						5	16			16	6			1000	4	SOCKET OUTLETS		
SPARE						7	16			16	8	700			4	SOCKET OUTLETS		
SOCKET OUTLETS	4		800			9	16			16	10		200		4	FOR COOLER		
SOCKET OUTLETS	4			700		11	16			16	12			1000	4	SOCKET OUTLETS		
SOCKET OUTLETS	4	600				13	16			16	14	200			4	FOR COOLER		
SOCKET OUTLETS	4		400			15	16			16	16		400		4	SOCKET OUTLETS		
A.C.I.U	4			410		17	16			16	18			400	4	A.C.I.U		
A.C.I.U	4	200				19	16			16	20	250			4	A.C.I.U		
A.C.I.U	4		410			21	16			16	22				4	SPARE		
SPARE						23	16			16	24					SPARE		
Subtotal			1700	2510	1110							1350	800	2400				
40A MCCB																		
Total Connected W	3050	3310	3510				Lighting			Socket Outlet			MISC		TOTAL			
CONNECTED LOAD W	9870.0			Connected W			R	2600			450			3050				
DEMAND LOAD W	6339.5			DEM FACT			B	2900			410			3310				
PANEL LOAD kW	6.34			Demand W			R	1			0.6			0.85				
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)	12.9			R			Y			1740			348.5			2088.5		
				B						1620			688.5			2308.5		

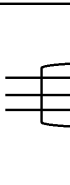
DISTRIBUTION PANEL BOARD															
PROJECT:	Diabetes-Irbid			LOCATION:		GROUND FLOOR			PANEL REF:		EDB1-GF				
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ											CABLE SIZE		4(16+1X16)mm2 Cu/XLPE/PVC		
											MAIN SUPPLY FROM:		EMDB		
Designation Load	wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load
		R	Y	B	CT NO	MCB (A)	R	Y	MCB (A)	CT NO	R	Y	B		
LIGHTING	2.5	400			1	10			10	2	350			2.5	LIGHTING
LIGHTING	2.5		400		3	10			10	4		100		2.5	LIGHTING
LIGHTING	2.5			380	5	10			10	6			380	2.5	LIGHTING
LIGHTING	2.5	300			7	10			10	8	200			2.5	LIGHTING
LIGHTING	2.5		150		9	10			10	10		150		2.5	LIGHTING
FOR ACP	4			200	11	16			16	12			700	4	SOCKET OUTLETS
SOCKET OUTLETS	4	700			13	16			16	14	1000			4	SOCKET OUTLETS
SOCKET OUTLETS	4		1000		15	16			16	16		1000		4	SOCKET OUTLETS
SOCKET OUTLETS	4			1000	17	16			16	18			1000	4	SOCKET OUTLETS
FOR REF	4	400			19	16			16	20	1000			4	SOCKET OUTLETS
SOCKET OUTLETS	4		1000		21	16			16	22		800		4	SOCKET OUTLETS
SOCKET OUTLETS	4			800	23	16			16	24			700	4	SOCKET OUTLETS
SOCKET OUTLETS	4	500			25	16			16	26				4	SPARE
SPARE					27	16			16	28					SPARE
SPARE					29	16			16	30					SPARE
Subtotal		2300 2550 2380									2550 2050 2780				
40A MCCB															
Total Connected W		4850	4600	5160					Lighting		Socket Outlet		MISC		TOTAL
CONNECTED LOAD W		14610.0			Connected W		R	Y	B	1250	3600	0	4850		
DEMAND LOAD W		9890.0			DEM FACT		R	Y	B	800	3800	0	4600		
							R	Y	B	760	4400	0	5160		
										1	0.6	0.85			
PANEL LOAD kW		9.89			Demand W		R	Y	B	1250	2160	0	3410		
							R	Y	B	800	2280	0	3080		
							R	Y	B	760	2640	0	3400		
FULL LOAD CURRENT INCLUDING FUTURE LOAD A) (20%)		20.2													

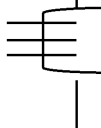
DISTRIBUTION PANEL BOARD																
PROJECT:	Diabetes-Irbid			LOCATION:			GROUND FLOOR			PANEL REF:			EDBP1-GF			
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ										CABLE SIZE			(4X16+1X16)mm2 Cu/XLPE/PVC			
										MAIN SUPPLY FROM:			ESMDB-B			
Designation Load	wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load	
		R	Y	B	CT NO	MCB (A)	R	Y	B	CT NO	R	Y	B			
SOCKET OUTLETS	4	200			1	16				16	2	600			4	SOCKET OUTLETS
CONDENSING UNIT	4		1600		3	20				16	4		600		4	SOCKET OUTLETS
SOCKET OUTLETS	4			600	5	16				16	6			500	4	FOR REF.
FOR ACP	4	200			7	16				16	8	200			4	FOR FINGERPRINT
FOR SLIDING DOOR	4		200		9	16				16	10		200		4	FOR SLIDING DOOR
SOCKET OUTLETS	4			400	11	16				16	12			400	4	FOR TICKET DISPENSER
FOR PAR	4	1200			13	16				16	14	300			4	FOR ACP
FOR ACP	4		200		15	16				16	16				4	SPARE
R.C.Q.S	4			500	17	16				16	18					SPARE
SPARE					19	16				16	20					SPARE
SPARE					21	16				16	22					SPARE
SPARE					23	16				16	24					SPARE
Subtotal		1600 2000 1500						40A MCCB			1100 800 900					
Total Connected W	2700	2800	2400				Lighting			Socket Outlet			MISC		TOTAL	
CONNECTED LOAD W	7900.0						Connected W	R				2700	0		2700	
								Y				1200	1600		2800	
								B				2400	500		2900	
DEMAND LOAD W	5565.0						DEM FACT			1		0.6	0.85			
												1620		1620		
												720	1360		2080	
PANEL LOAD kW	5.57						Demand W	R				1440	425		1865	
								Y								
								B								
FULL LOAD CURRENT INCLUDING FUTURE LOAD A) (20%)				11.3												

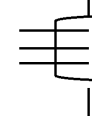
DISTRIBUTION PANEL BOARD																
PROJECT:		Diabetes-Irbid			LOCATION:			GROUND FLOOR			PANEL REF:		DBP2-GF			
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ												CABLE SIZE		(4X16+1X16)mm2 Cu/XLPE/PVC		
												MAIN SUPPLY FROM:		MDB		
Designation Load	wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load	
		R	Y	B	CT NO	MCB (A)	R	Y	B	MCB (A)	CT NO	R	Y			B
SOCKET OUTLETS	4	500			1	16			16	2	700			4	SOCKET OUTLETS	
SOCKET OUTLETS	4		700		3	16			16	4		700		4	SOCKET OUTLETS	
SOCKET OUTLETS	4			1000	5	16			16	6			600	4	SOCKET OUTLETS	
SOCKET OUTLETS	4	500			7	16			16	8	800			4	SOCKET OUTLETS	
SOCKET OUTLETS	4		800		9	16			16	10		500		4	SOCKET OUTLETS	
SOCKET OUTLETS	4			500	11	16			16	12			800	4	SOCKET OUTLETS	
SOCKET OUTLETS	4	500			13	16			16	14	600			4	SOCKET OUTLETS	
SOCKET OUTLETS	4		800		15	16			16	16		500		4	SOCKET OUTLETS	
A.C.I.U	4			250	17	16			16	18			450	4	A.C.I.U	
A.C.I.U	4	100			19	16			16	20	300			4	A.C.I.U	
SPARE					21	16			16	22					SPARE	
SOCKET OUTLETS	4			600	23	16			16	24					SPARE	
Subtotal		1600	2300	2350							2400 1700 1850					
40A MCCB																
Total Connected W	4000	4000	4200				Lighting			Socket Outlet		MISC		TOTAL		
CONNECTED LOAD W	12200.0			Connected W			R			3600		400		4000		
DEMAND LOAD W	7595.0			DEM FACT			Y			4000		0		4000		
							B	1		3500		700		4200		
PANEL LOAD kW	7.60			Demand W			R			2180		340		2500		
							Y			2400		0		2400		
							B			2100		595		2695		
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)				15.5												

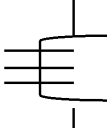
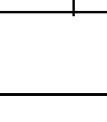
DISTRIBUTION PANEL BOARD																			
PROJECT:		Diabetes-Irbid			LOCATION:			FIRST FLOOR			PANEL REF:			DBP1-F1					
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ												CABLE SIZE			(4X16+1X16)mm2 Cu/XLPE/PVC				
												MAIN SUPPLY FROM:			SMDB-B				
Designation Load		wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load			
			R	Y	B	CT NO	MCB (A)	R	Y	B	CT NO	R	Y	B					
SOCKET OUTLETS		4	1000			1	16				2	200			4	FOR WATER COOLER			
FOR WATER COOLER		4		200		3	16				16		1000		4	SOCKET OUTLETS			
SOCKET OUTLETS		4			1200	5	16				16			800	4	SOCKET OUTLETS			
SOCKET OUTLETS		4	700			7	16				16	8	900		4	SOCKET OUTLETS			
SOCKET OUTLETS		4		1100		9	16				16	10	700		4	SOCKET OUTLETS			
SOCKET OUTLETS		4			900	11	16				16	12		900	4	SOCKET OUTLETS			
SOCKET OUTLETS		4	900			13	16				16	14	700		4	SOCKET OUTLETS			
SOCKET OUTLETS		4		500		15	16				16	16	700		4	SOCKET OUTLETS			
SOCKET OUTLETS		4			800	17	16				16	18		600	4	SOCKET OUTLETS			
SOCKET OUTLETS		4	600			19	16				16	20	320		4	A.C.I.U			
A.C.I.U		4		200		21	16				16	22		210		4	A.C.I.U		
A.C.I.U		4			225	23	16				16	24			210	4	A.C.I.U		
A.C.I.U		4	200			25	16				20	26	250		4	A.C.I.U			
A.C.I.U		4		320		27	16				16	28		1200		4	SPU-01		
SOCKET OUTLETS		4			400	29	16				16	30				4	SPARE		
Subtotal			3400	2320	3525												2370	3810	2510
40A MCCB																			
Total Connected W			5770	6130	6035				Lighting			Socket Outlet			MISC		TOTAL		
CONNECTED LOAD W			17935.0			Connected W			R	Y	B	5000			770		5770		
DEMAND LOAD W			11544.8			DEM FACT			1			4200			1930		6130		
												5600			435		6035		
PANEL LOAD kW			11.54			Demand W			R	Y	B	0.6			0.85				
												3000			654.5		3655		
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)			23.5									2520			1641		4160.5		
												3350			369.8		3729.75		

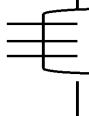
DISTRIBUTION PANEL BOARD																							
PROJECT:	Diabetes-Irbid			LOCATION:			FIRST FLOOR			PANEL REF:			EDB1-F1										
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ										CABLE SIZE			(4X16+1X16)mm2 Cu/XLPE/PVC										
										MAIN SUPPLY FROM:			EMDB										
Designation Load	wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load								
		R	Y	B	CT NO	MCB (A)	R	Y	B	CT NO	MCB (A)	R	Y			B							
LIGHTING	2.5	400			1	10				10	2	350			2.5	LIGHTING							
LIGHTING	2.5		400		3	10				10	4	100			2.5	LIGHTING							
LIGHTING	2.5			380	5	10				10	6		380		2.5	LIGHTING							
LIGHTING	2.5	300			7	10				10	8	200			2.5	LIGHTING							
LIGHTING	2.5		150		9	10				10	10	150			2.5	LIGHTING							
FOR ACP	4			200	11	16				16	12		700		4	SOCKET OUTLETS							
SOCKET OUTLETS	4	700			13	16				16	14	600			4	SOCKET OUTLETS							
SOCKET OUTLETS	4		1100		15	16				16	16		600		4	SOCKET OUTLETS							
SOCKET OUTLETS	4			600	17	16				16	18		600		4	SOCKET OUTLETS							
SOCKET OUTLETS	4	600			19	16				16	20	600			4	SOCKET OUTLETS							
SOCKET OUTLETS	4		800		21	16				16	22		800		4	SOCKET OUTLETS							
FOR REF	4			400	23	16				16	24		700		4	SOCKET OUTLETS							
SOCKET OUTLETS	4	500			25	16				16	26					SPARE							
SPARE					27	16				16	28					SPARE							
SPARE					29	16				16	30					SPARE							
Subtotal			2500	2450	1580					1750			1650	2380									
40A MCCB																							
Total Connected W	4250	4100	3960	12310.0			Connected W			Lighting			Socket Outlet			MISC			TOTAL				
CONNECTED LOAD W										R			1250			3000			0			4250	
										Y			800			3300			0			4100	
DEMAND LOAD W				8510.0			DEMAND FACT			B			760			3200			0			3960	
										1			0.6			0.85							
										R			1250			1800			0			3050	
PANEL LOAD kW				8.51			Demand W			Y			800			1980			0			2780	
										B			760			1920			0			2680	
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)				17.3																			

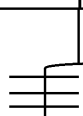
DISTRIBUTION PANEL BOARD																
PROJECT:	Diabetes-Irbid			LOCATION:			FIRST FLOOR			PANEL REF:			EDBPU-F1			
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ										CABLE SIZE			(4X16+1X16)mm2 Cu/XLPE/PVC			
										MAIN SUPPLY FROM:			ESMDB-B			
Designation Load	wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load	
		R	Y	B	CT NO	MCB (A)	R	Y	B	MCB (A)	CT NO	R	Y			B
SOCKET OUTLETS	4	400			1	16				16	2	200			4	FOR ACP
SOCKET OUTLETS	4		1200		3	16				16	4		1200		4	SOCKET OUTLETS
SOCKET OUTLETS	4			1200	5	16				16	6			1200	4	SOCKET OUTLETS
SOCKET OUTLETS	4	1100			7	16				16	8	700			4	SOCKET OUTLETS
SPARE					9	16				16	10					SPARE
SPARE					11	16				16	12					SPARE
Subtotal		1500	1200	1200				40A MCCB			900	1200	1200			
Total Connected W		2400	2400	2400				Lighting			Socket Outlet		MISC	TOTAL		
CONNECTED LOAD W		7200.0			Connected W			R	Y	B	2400	0	2400			
DEMAND LOAD W		4320.0			DEMAND FACT			1			0.6	0.85	1440	0	1440	
PANEL LOAD kW		4.32			Demand W			R	Y	B	1440	0	1440			
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)		8.8									1440	0	1440			

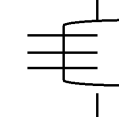
DISTRIBUTION PANEL BOARD																
PROJECT:	Diabetes-Irbid			LOCATION:			FIRST FLOOR			PANEL REF:			DBP2-F1			
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ										CABLE SIZE			(4X16+1X16)mm2 Cu/XLPE/PVC			
										MAIN SUPPLY FROM:			MDB			
Designation Load	wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load	
		R	Y	B	CT NO	MCB (A)	R	Y	B	CT NO	MCB (A)	R	Y			B
SOCKET OUTLETS	4	500			1	16				16	2	700			4	SOCKET OUTLETS
SOCKET OUTLETS	4		700		3	16				16	4		700		4	SOCKET OUTLETS
SOCKET OUTLETS	4			1000	5	16				16	6			600	4	SOCKET OUTLETS
SOCKET OUTLETS	4	500			7	16				16	8	800			4	SOCKET OUTLETS
SOCKET OUTLETS	4		500		9	16				16	10		500		4	SOCKET OUTLETS
SOCKET OUTLETS	4			800	11	16				16	12			800	4	SOCKET OUTLETS
SOCKET OUTLETS	4	500			13	16				16	14	600			4	SOCKET OUTLETS
SOCKET OUTLETS	4		800		15	16				16	16		500		4	SOCKET OUTLETS
A.C.I.U	4			250	17	16				16	18			450	4	A.C.I.U
A.C.I.U	4	200			19	16				16	20	300			4	A.C.I.U
SOCKET OUTLETS	4		600		21	16				16	22					SPARE
SPARE					23	16				16	24					SPARE
Subtotal		1700 2800 2050						2400 1700 1850								
								40A MCCB								
Total Connected W	4100	4300	3900				Lighting			Socket Outlet			MISC		TOTAL	
CONNECTED LOAD W	12300.0			Connected W			R	3600			500			4100		
				Y			B	4300			0			4300		
DEMAND LOAD W	7680.0			DEMAND FACT			1			3200			700			
										0.6			0.85			
PANEL LOAD kW	7.68			Demand W			R	2160			425			2585		
				Y			B	2580			0			2580		
									1920			585			2515	
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)		15.7														

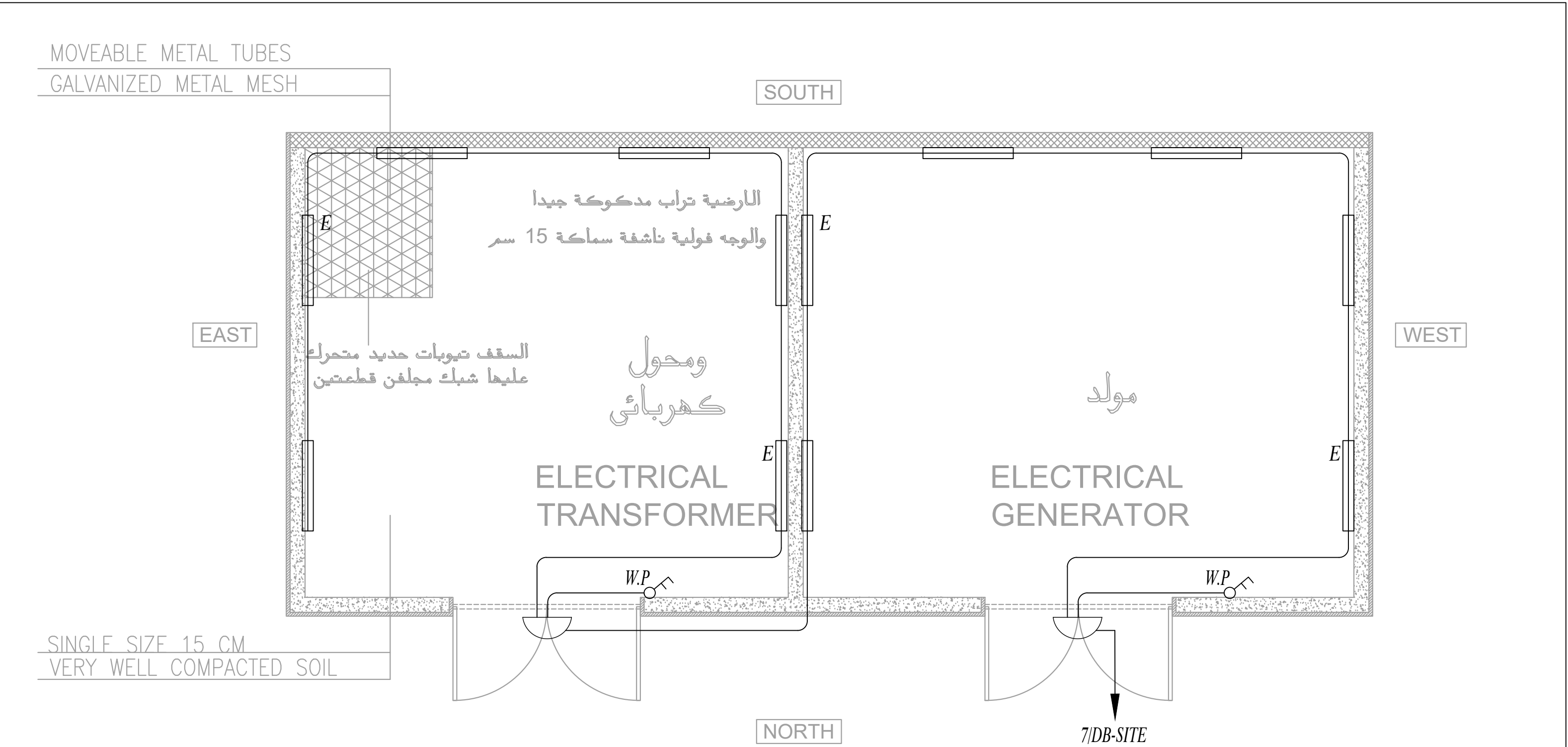
DISTRIBUTION PANEL BOARD														
PROJECT:	Diabetes-Irbid			LOCATION:	SECOND FLOOR			PANEL REF:	DBP1-F2					
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ								CABLE SIZE		(4X16+1X16)mm2 Cu/XLPE/PVC				
								MAIN SUPPLY FROM:		SMDB-B				
Designation Load	wire size mm2	Phase Load In W			Trip Rating					Phase Load In W			wire size mm2	Designation Load
		R	Y	B	CT NO	MCB (A)	R	Y	B	CT NO	R	Y		
SOCKET OUTLETS	4	800			1	16			2	200			4	FOR WATER COOLER
FOR WATER COOLER	4		200		3	16			4	1100			4	SOCKET OUTLETS
SOCKET OUTLETS	4			1100	5	16			6		1000		4	SOCKET OUTLETS
SOCKET OUTLETS	4	900			7	16			8	700			4	SOCKET OUTLETS
SOCKET OUTLETS	4		1000		9	16			10	1000			4	SOCKET OUTLETS
SOCKET OUTLETS	4			1000	11	16			12		1000		4	SOCKET OUTLETS
SOCKET OUTLETS	4	600			13	16			14	700			4	SOCKET OUTLETS
SOCKET OUTLETS	4		1000		15	16			16	800			4	SOCKET OUTLETS
SOCKET OUTLETS	4			1000	17	16			18		1100		4	SOCKET OUTLETS
A.C.I.U	4	410			19	16			20	300			4	A.C.I.U
A.C.I.U	4		500		21	16			22		410		4	A.C.I.U
A.C.I.U	4			150	23	16			24			150	4	A.C.I.U
SPU-01	4	1200			25	20			26	600			4	SOCKET OUTLETS
SOCKET OUTLETS	4		400		27	16			28					SPARE
SPARE					29	16			30					SPARE
Subtotal		3910	3100	3250				2500			3310	3250		
40A MCCB														
Total Connected W		6410	6410	6500				Lighting		Socket Outlet		MISC	TOTAL	
CONNECTED LOAD W		19320.0			Connected W		R			4500		1910	6410	
							Y			5500		910	6410	
DEMAND LOAD W		12372.0			DEM FACT		B			6200		300	6500	
								1		0.6		0.85		
PANEL LOAD kW		12.37			Demand W		R			2700		1624	4324	
							Y			3300		773.5	4073.5	
							B			3720		255	3975	
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)		25.2												

DISTRIBUTION PANEL BOARD																
PROJECT:	Diabetes-Irbid			LOCATION:		SECOND FLOOR			PANEL REF:			EDB1-F2				
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ									CABLE SIZE			(4X16+1X16)mm2 Cu/XLPE/PVC				
									MAIN SUPPLY FROM:						EMDB	
Designation Load	wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load	
		R	Y	B	CT NO	MCB (A)	R	Y	B	CT NO	MCB (A)	R	Y			B
LIGHTING	2.5	450			1	10				2	450				2.5	LIGHTING
LIGHTING	2.5		500		3	10				4		500			2.5	LIGHTING
LIGHTING	2.5			500	5	10				6			350		2.5	LIGHTING
LIGHTING	2.5	200			7	10				8	150				2.5	LIGHTING
LIGHTING	2.5		150		9	10				10		200			4	FOR APC
SOCKET OUTLETS	4			700	11	16				12			700		4	SOCKET OUTLETS
SOCKET OUTLETS	4	600			13	16				14	900				4	SOCKET OUTLETS
SOCKET OUTLETS	4		1100		15	16				16		1000			4	SOCKET OUTLETS
SOCKET OUTLETS	4			1000	17	16				18			1000		4	SOCKET OUTLETS
SOCKET OUTLETS	4	1000			19	16				20	400				4	FOR REF.
SOCKET OUTLETS	4		1200		21	16				22		800			4	SOCKET OUTLETS
SOCKET OUTLETS	4			800	23	16				24			900		4	SOCKET OUTLETS
SOCKET OUTLETS	4	700			25	16				26	500				4	SOCKET OUTLETS
SPARE					27	16				28						SPARE
SPARE					29	16				30						SPARE
Subtotal		2950	2950	3000							2400 2500 2950					
40A MCCB																
Total Connected W		5350	5450	5950				Lighting			Socket Outlet		MISC		TOTAL	
CONNECTED LOAD W		16750.0						Connected W	R	1250	4100	0	5350			
								Y	1150	4300	0	5450				
DEMAND LOAD W		11350.0			DEM FACT	B	850	5100	0	5950						
							1	0.6	0.85							
PANEL LOAD kW		11.35			Demand W	R	1250	2460	0	3710						
						Y	1150	2580	0	3730						
						B	850	3060	0	3910						
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)		23.1														

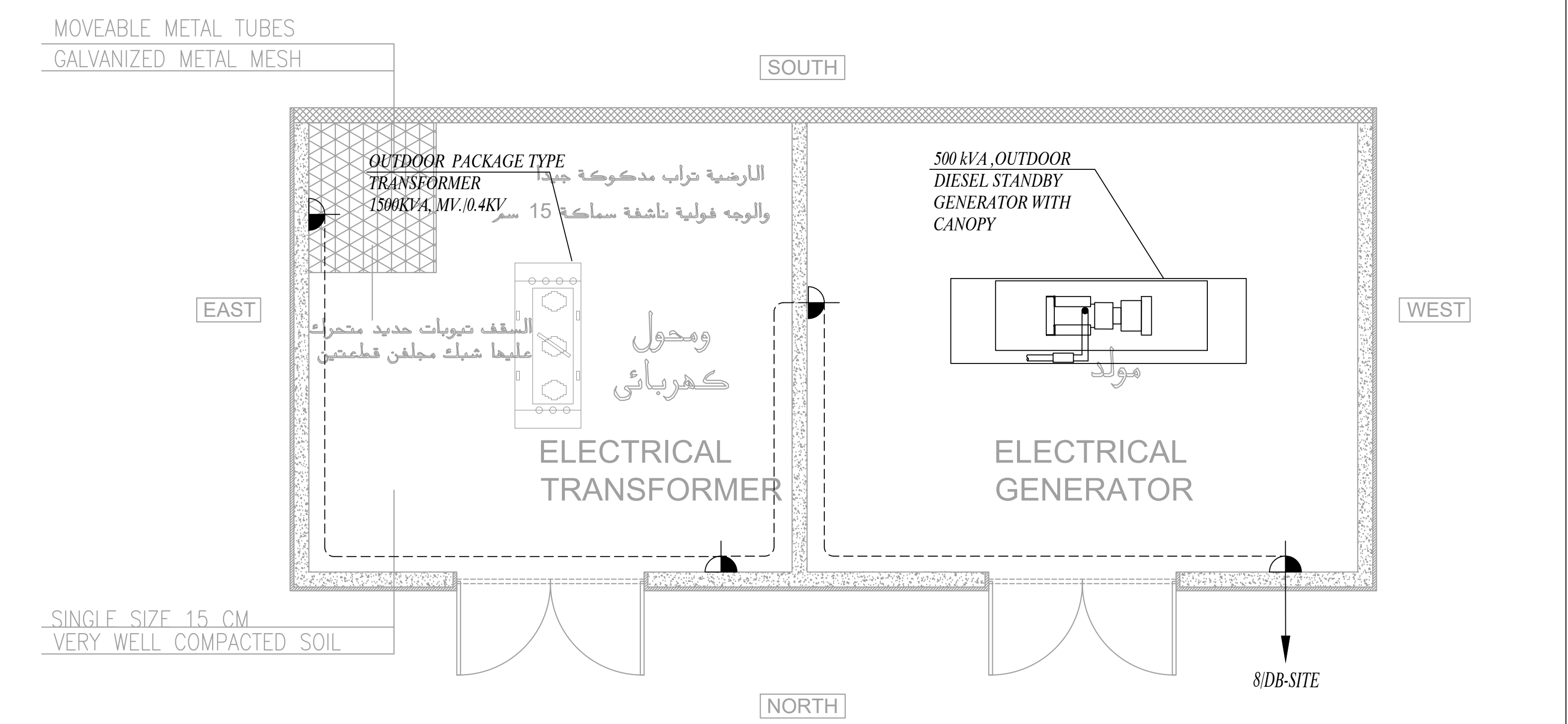
DISTRIBUTION PANEL BOARD																
PROJECT:		Diabetes-Irbid		LOCATION:		SECOND FLOOR			PANEL REF:		EDBP-LAB1-F2					
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ												CABLE SIZE		(4X16+1X16)mm2 Cu/XLPE/PVC		
												MAIN SUPPLY FROM:		ESMDB-B		
Designation Load		wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load
			R	Y	B	CT NO	MCB (A)	R	Y	B	CT NO	MCB (A)	R	Y		
FOR REF.		4	1000			1	16				2	400			4	FOR REF.
FOR FREEZER		4		1400		3	16				4	900			4	SOCKET OUTLETS
SOCKET OUTLETS		4			900	5	16				6		1000		4	FOR ANALYZER
SOCKET OUTLETS		4	900			7	16				8	900			4	SOCKET OUTLETS
I.S FOOR HOOD		4		1000		9	16				10		1200		4	SOCKET OUTLETS
SOCKET OUTLETS		4			900	11	16				12		900		4	SOCKET OUTLETS
FOR CENTRIFUGES		4	1000			13	16				14	1200			4	SOCKET OUTLETS
FOR ACP		4		400		15	16				16	900			4	SOCKET OUTLETS
FOR Electrophoresis Equipment		4			2000	17	20				18					SPARE
SPARE						19	16				20					SPARE
SPARE						21	16				22					SPARE
SPARE						23	16				24					SPARE
Subtotal			2900 2800 3800						2500 3000 1900							
40A MCCB																
Total Connected W		5400	5800	5700			Lighting		Socket Outlet		MISC		TOTAL			
CONNECTED LOAD W		16900.0			Connected W		R		5400	0	5400					
					Y				5800	0	5800					
DEMAND LOAD W		10140.0			DEM FACT		B		5700	0	5700					
								1	0.6	0.85						
PANEL LOAD kW		10.14			Demand W		R		3240	0	3240					
					Y				3480	0	3480					
					B				3420	0	3420					
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)		20.7														

DISTRIBUTION PANEL BOARD														
PROJECT:	Diabetes-Irbid			LOCATION:	SECOND FLOOR			PANEL REF:	DBP2-F2					
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ									CABLE SIZE		(4X16+1X16)mm2 Cu/XLPE/PVC			
									MAIN SUPPLY FROM:		SMDB-F2			
Designation Load	wire size mm2	Phase Load In W			Trip Rating				Phase Load In W			wire size mm2	Designation Load	
		R	Y	B	CT NO	MCB (A)	R	Y	B	CT NO	MCB (A)			
SOCKET OUTLETS	4	500				1	16				2	700	4	SOCKET OUTLETS
SOCKET OUTLETS	4		700			3	16				4	700	4	SOCKET OUTLETS
SOCKET OUTLETS	4			1000		5	16				6	800	4	SOCKET OUTLETS
SOCKET OUTLETS	4	500				7	16				8	600	4	SOCKET OUTLETS
SOCKET OUTLETS	4		500			9	16				10	800	4	SOCKET OUTLETS
SOCKET OUTLETS	4			600		11	16				12	800	4	SOCKET OUTLETS
SOCKET OUTLETS	4	500				13	16				14	500	4	SOCKET OUTLETS
SOCKET OUTLETS	4		800			15	16				16	250	4	A.C.I.U
A.C.I.U	4			450		17	16				18	200	4	A.C.I.U
A.C.I.U	4	300				19	16				20	600	4	SOCKET OUTLETS
SPARE						21	16				22			SPARE
SPARE						23	16				24			SPARE
Subtotal		1800 2000 2050							2400 1750 1800					
40A MCCB														
Total Connected W	4200	3750	3850					Lighting	Socket Outlet	MISC	TOTAL			
CONNECTED LOAD W	11800.0			Connected W	R	3900			300	4200				
DEMAND LOAD W	7380.0				Y	3500			250	3750				
					B	3200			650	3850				
				DEM FACT	1			0.6	0.85					
PANEL LOAD kW	7.38			Demand W	R	2340			255	2595				
					Y	2100			212.5	2312.5				
					B	1920			552.5	2472.5				
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)	15.0													

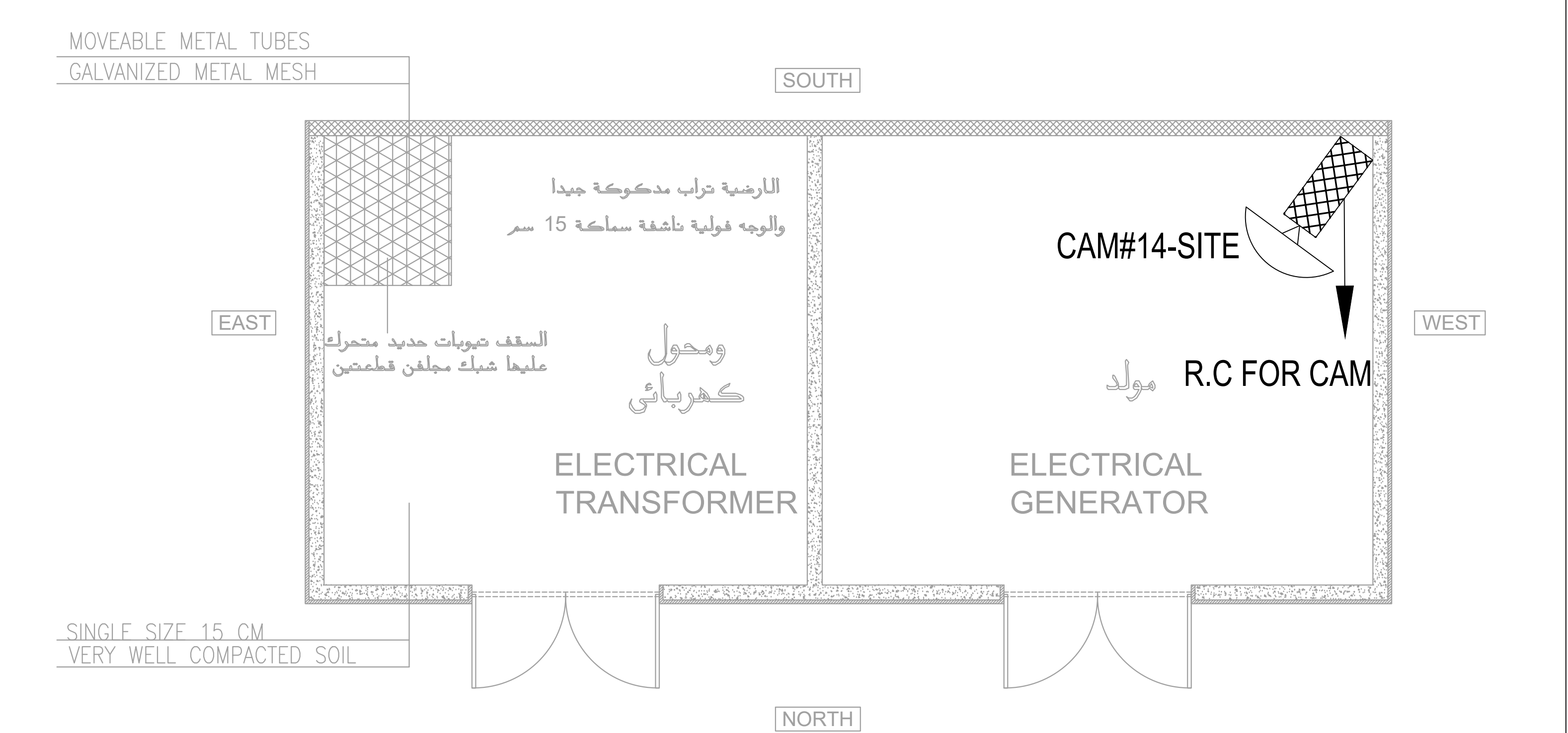
DISTRIBUTION PANEL BOARD																
PROJECT:		Diabetes-Irbid			LOCATION:			SECOND FLOOR			PANEL REF:		EDB2-F2			
VOLTAGE & FREQ. : 3PHASE, 400/230V, 50HZ											CABLE SIZE		(4X16+1X16)mm2 Cu/XLPE/PVC			
											MAIN SUPPLY FROM:		EMDB			
Designation Load	wire size mm2	Phase Load In W			Trip Rating						Phase Load In W			wire size mm2	Designation Load	
		R	Y	B	CT NO	MCB (A)	R	Y	B	MCB (A)	CT NO	R	Y			B
LIGHTING	2.5	200			1	10				10	2	250		2.5	LIGHTING	
LIGHTING	2.5		150		3	10				10	4		400	2.5	LIGHTING	
LIGHTING	2.5			500	5	10				10	6			500	2.5	LIGHTING
LIGHTING	2.5	500			7	10				10	8	350		2.5	LIGHTING	
LIGHTING	2.5		200		9	10				10	10		150	2.5	LIGHTING	
LIGHTING	2.5			150	11	10				16	12			1100	4	SOCKET OUTLETS
SOCKET OUTLETS	4	700			13	16				16	14	700		4	SOCKET OUTLETS	
SOCKET OUTLETS	4		900		15	16				16	16		900	4	SOCKET OUTLETS	
SOCKET OUTLETS	4			900	17	16				16	18		1100	4	SOCKET OUTLETS	
SOCKET OUTLETS	4	600			19	16				16	20	600		4	SOCKET OUTLETS	
SOCKET OUTLETS	4		1100		21	16				16	22		1100	4	SOCKET OUTLETS	
FOR REF:	4			400	23	16				16	24			800	4	SOCKET OUTLETS
SOCKET OUTLETS	4	800			25	16				16	26	700		4	SOCKET OUTLETS	
SOCKET OUTLETS	4		500		27	16				16	28					SPARE
SPARE					29	16				16	30					SPARE
Subtotal		2800	2850	1950				40A MCCB			2600	2550	3500			
Total Connected W	5400	5400	5450				Lighting			Socket Outlet			MISC	TOTAL		
CONNECTED LOAD W	16250.0			Connected W			R	1300			4100			0	5400	
							Y	900			4500			0	5400	
DEMAND LOAD W	11090.0			DEM FACT			B	1150			4300			0	5450	
								1			0.6			0.85		
PANEL LOAD kW	11.09			Demand W			R	1300			2460			0	3760	
							Y	800			2700			0	3600	
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (20%)	22.6						B	1150			2580			0	3730	



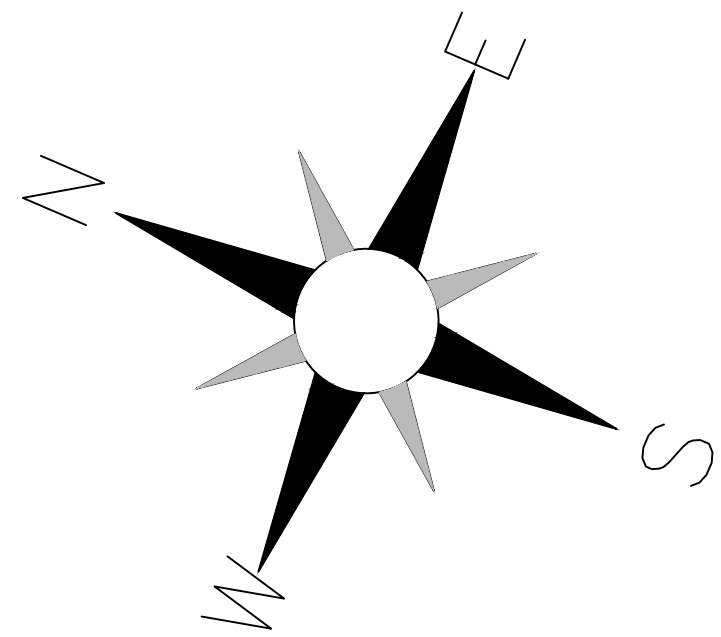
LIGHTING SYSTEM
PLAN



POWER SYSTEM

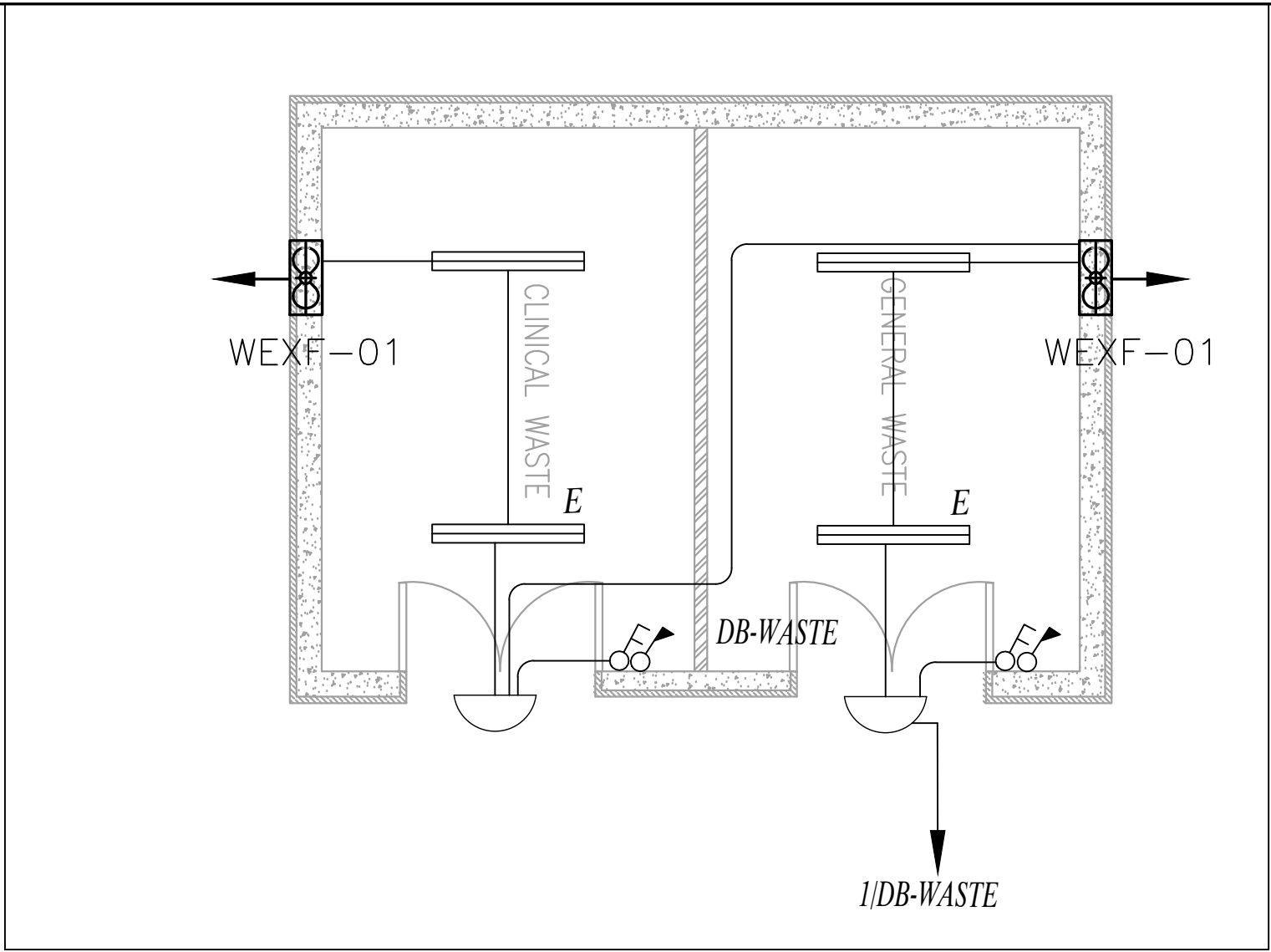


CCTV SYSTEM

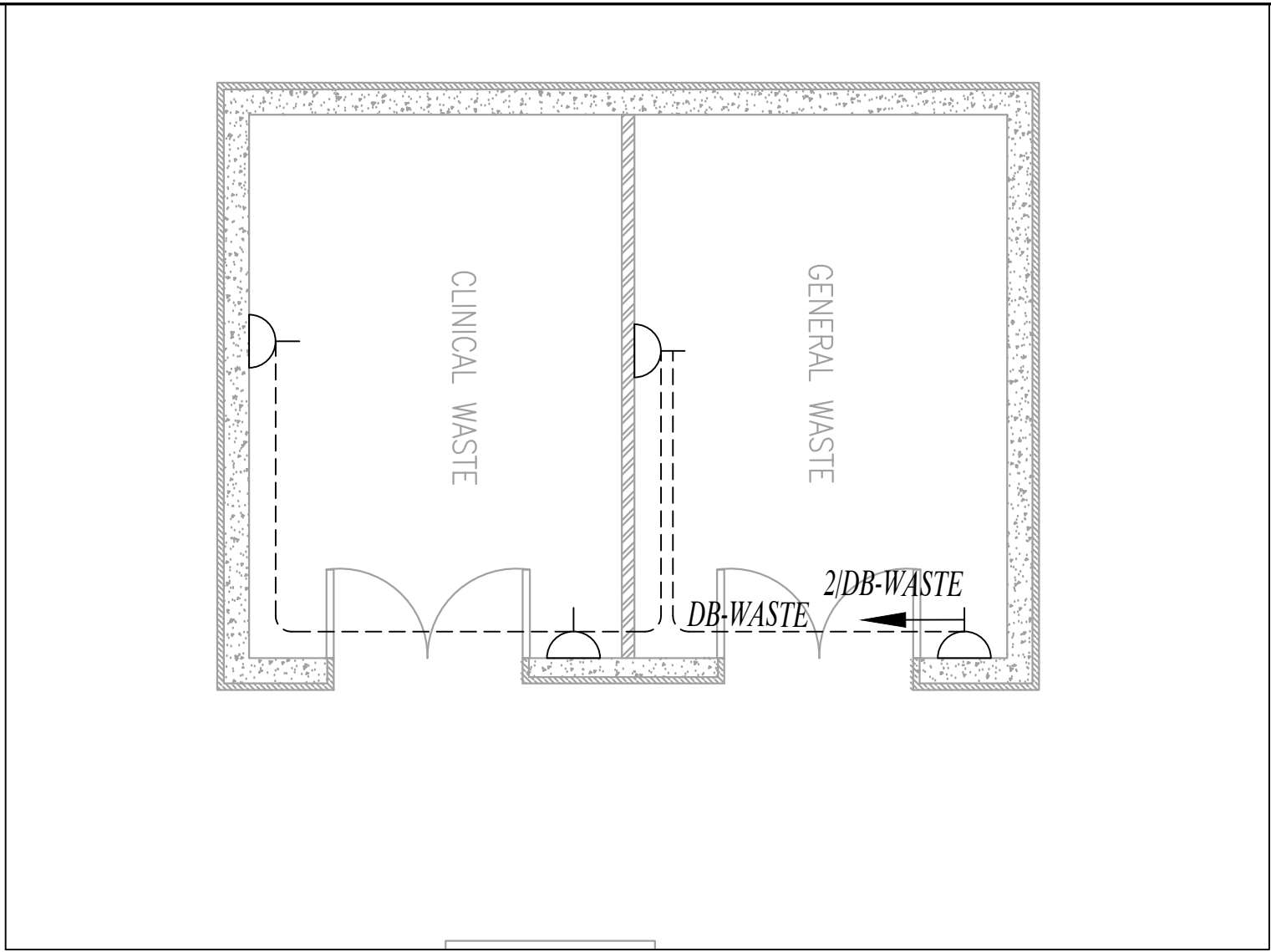


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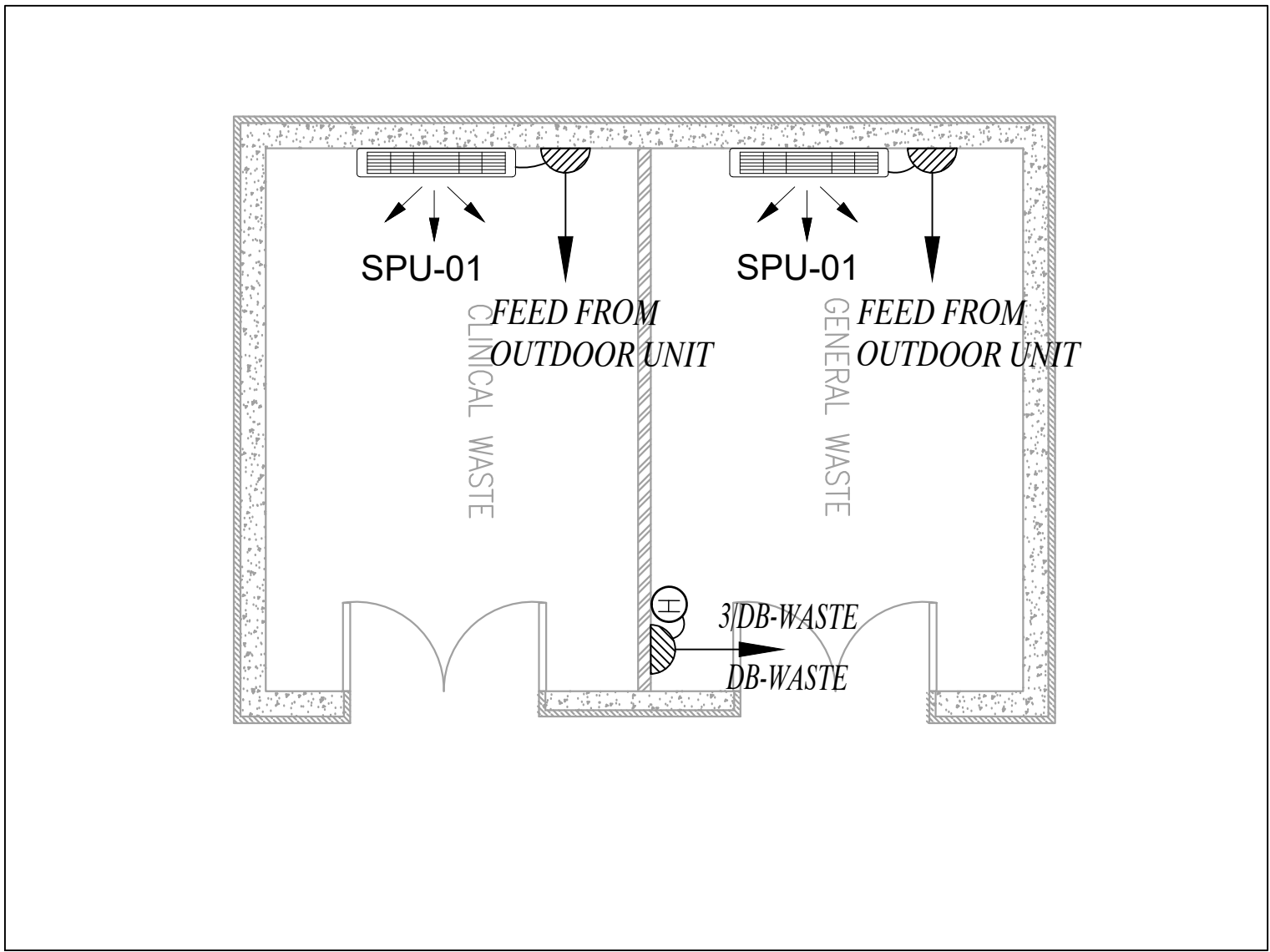
PLOT NO		413		
DISTRICT		IRBID		
BASIN		40 ALMUSRIB ALSHAMALI		
REV.	MARK	DATE	MADE BY	REMARKS
CLIENT		NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS		
M P C E	MADI & PARTNERS CONSULTING ENGINEERS			
	TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo			
PROJECT		NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY		
DRG. TITLE		GENERATOR AND TRANSFORMER ROOM: ELECTRICAL SYSTEMS LAYOUT		
DRAWN BY : ELEC.T			SCALE : 1:50	
DESIGNED BY : MR			DATE : DEC.-2023	
CHECKED BY : QA			PROJECT No.	DRAWING No.
APPROVED BY : IA			E-1300	



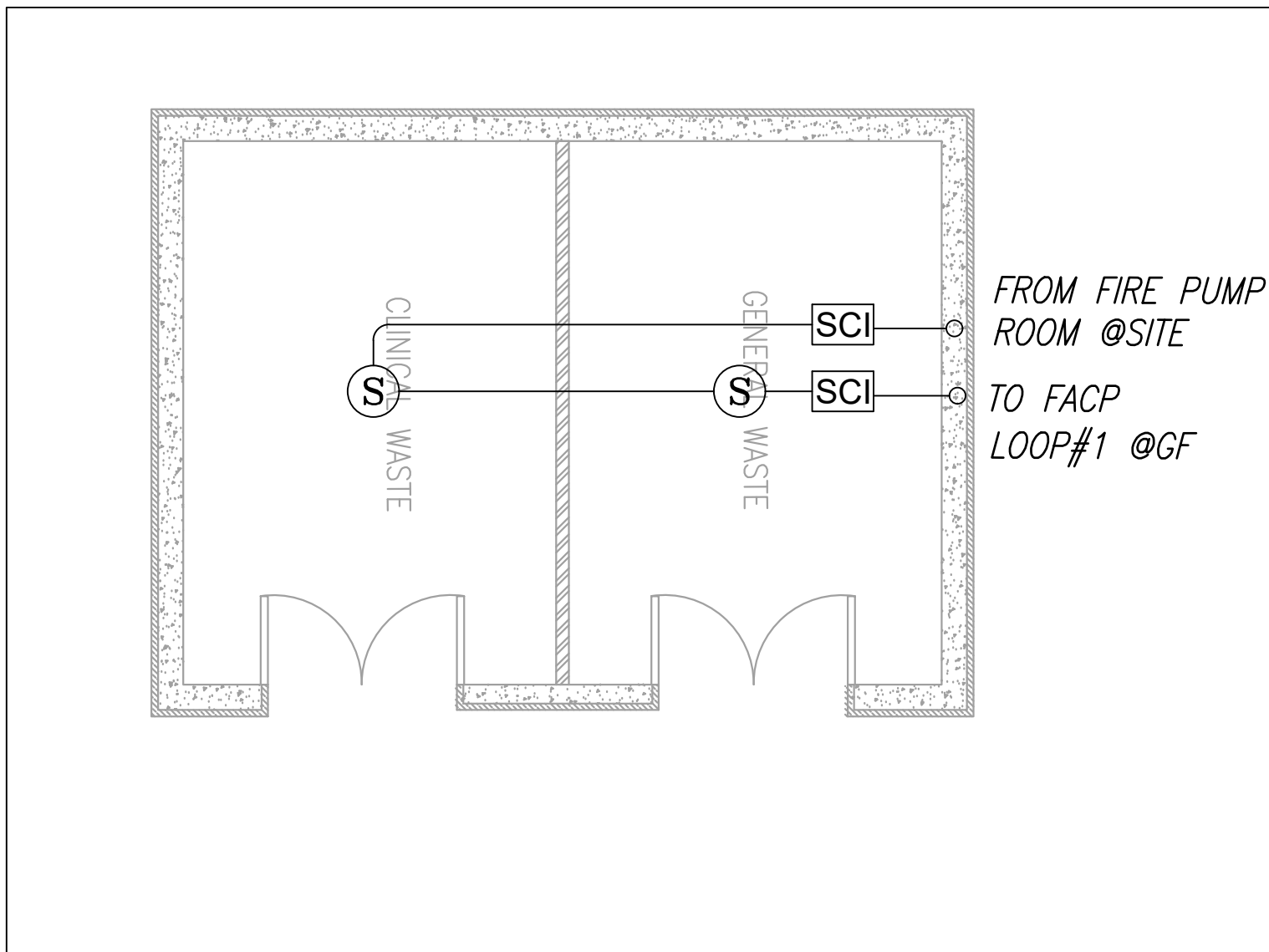
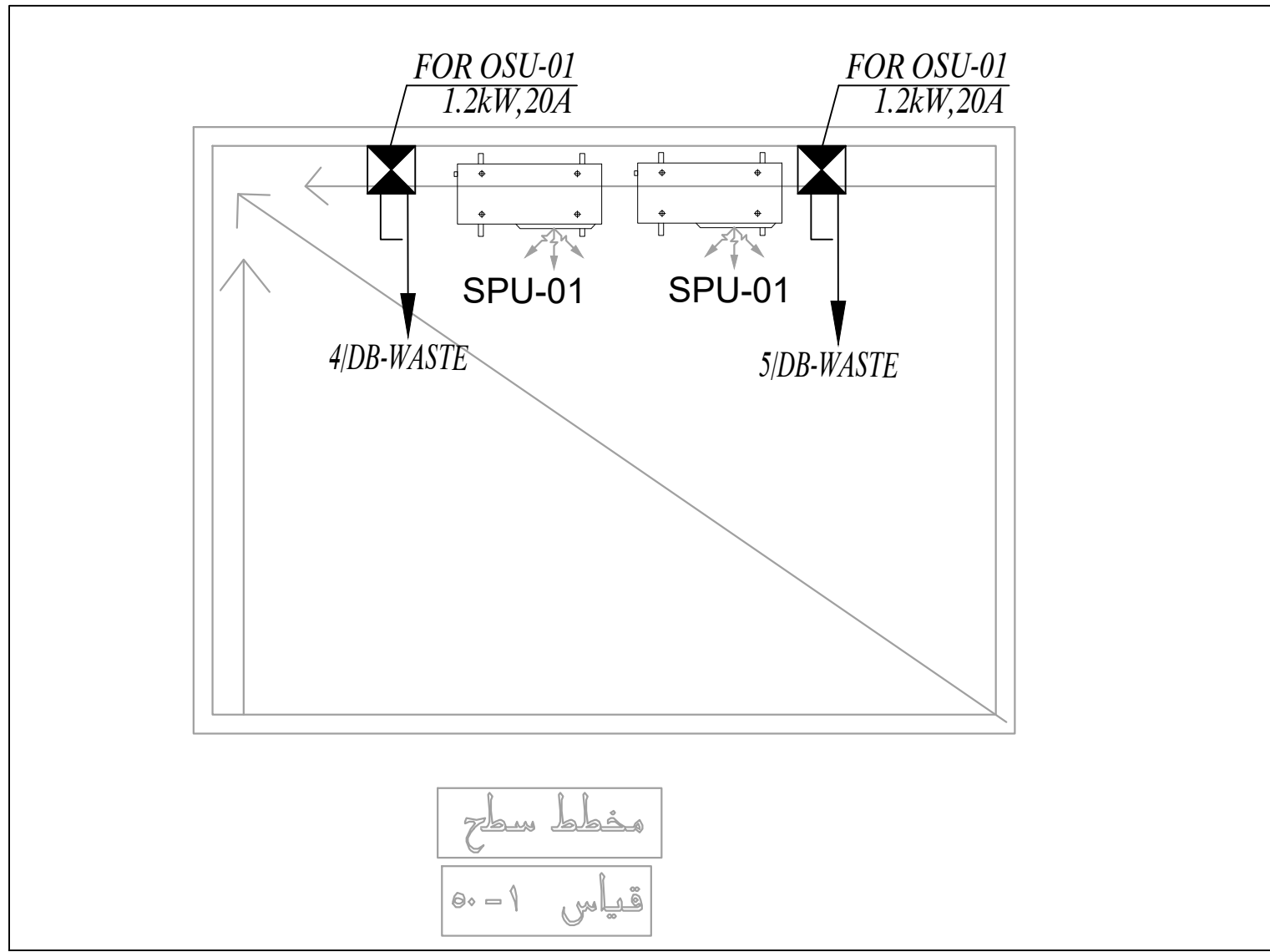
LIGHTING SYSTEM



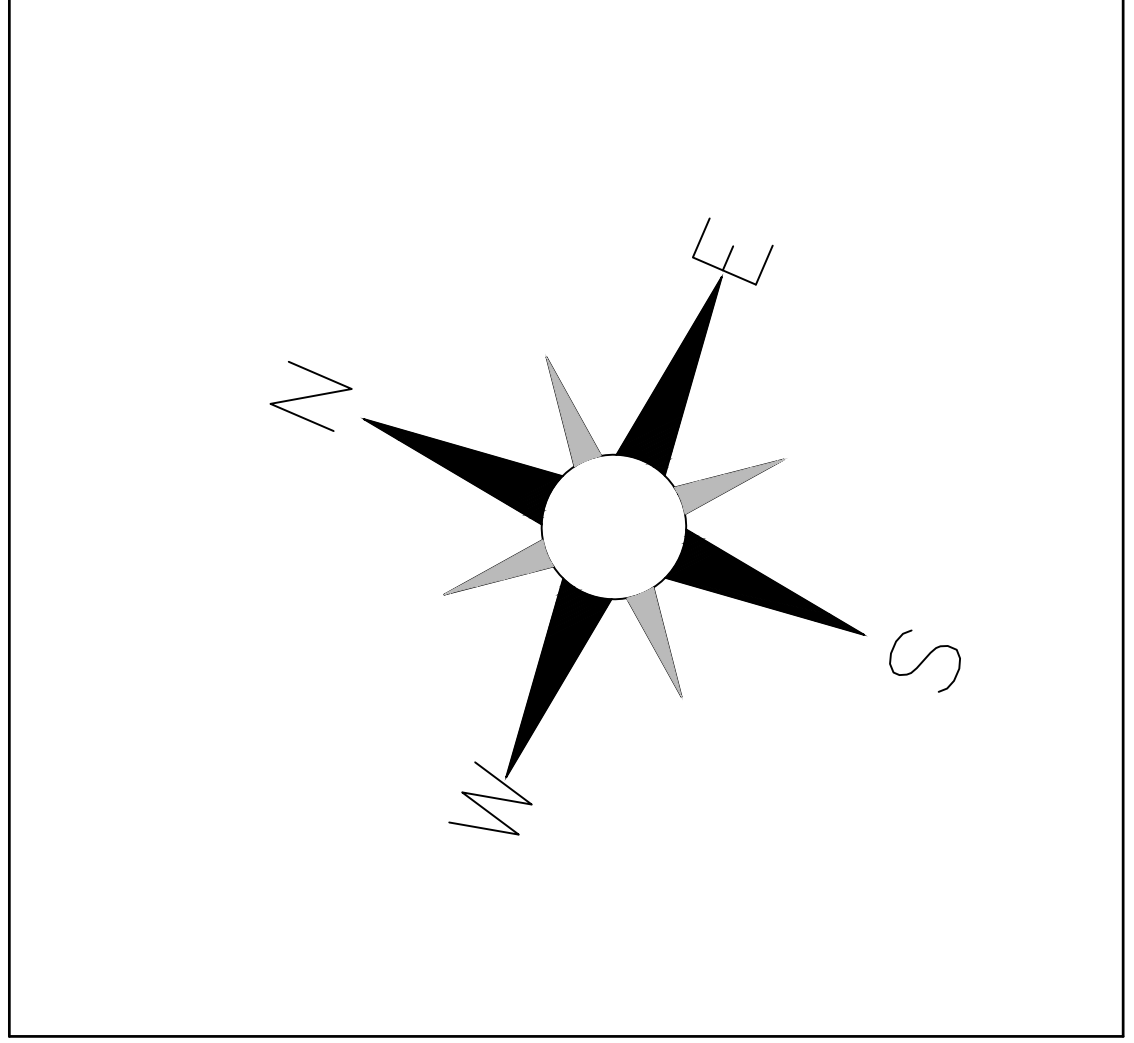
POWER SYSTEM



POWER FOR MECH. SYSTEM

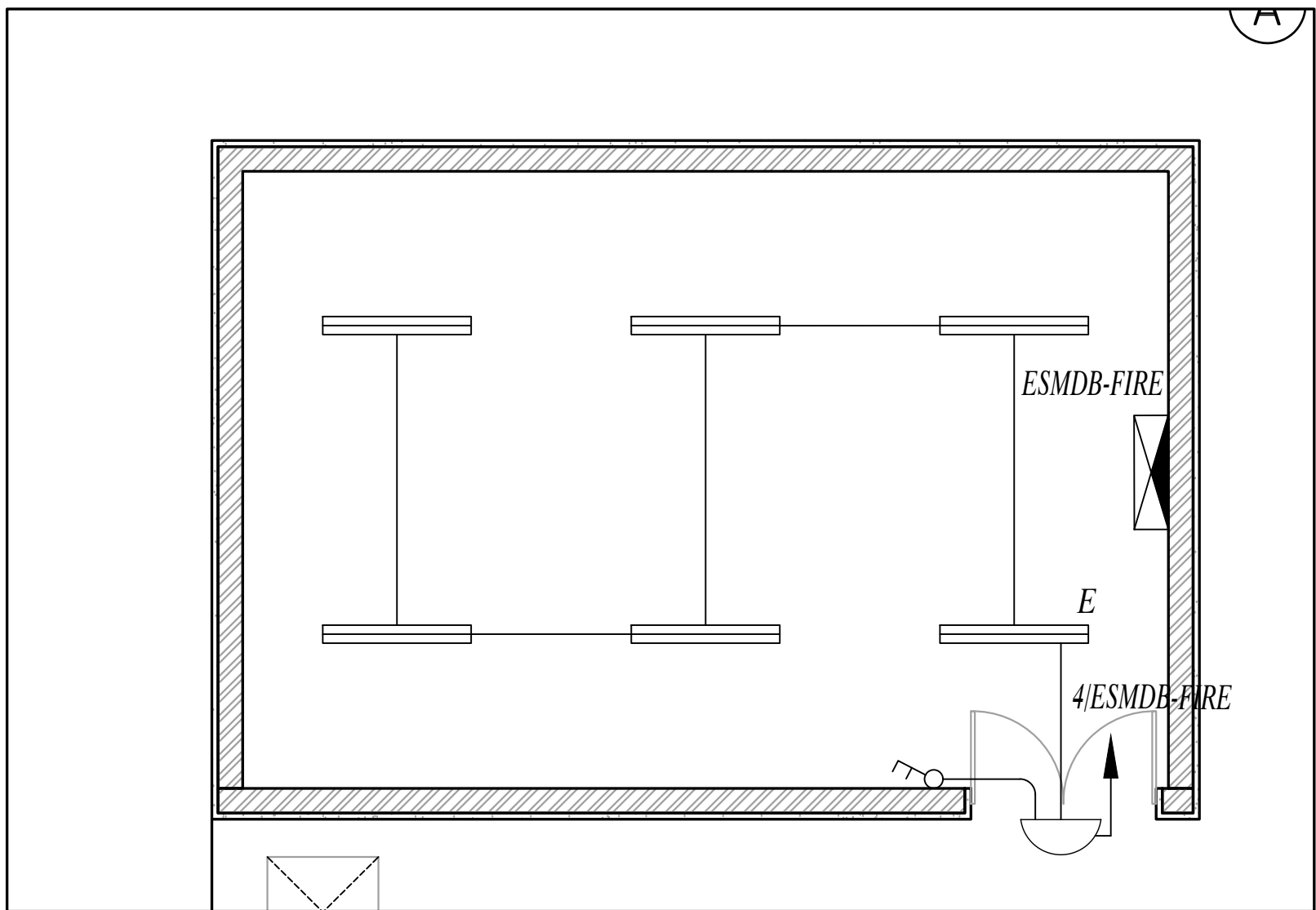


DISTRIBUTION PANEL BOARD											
PROJECT:		Diabetes-Irbid		LOCATION:		WASTE ROOM		PANEL REF:		DB-WASTE	
VOLTAGE & FREQ. : 1PHASE, 230V, 50HZ								CABLE SIZE		3x10mm2 Cu/XLPE/PVC	
								MAIN SUPPLY FROM:		MDB	
Designation Load	wire size mm2	Phase Load In W	Trip Rating					Phase Load In W	wire size mm2	Designation Load	
			CT NO	CB (A)	R	CB (A)	CT NO				
LIGHTING	2.5	250	1	10		16	2	800	4	SOCKET OUTLETS	
E.H.W	4	1500	3	20		20	4	1200	4	SPU-01	
SPU-01	4	1200	5	20		16	6			SPARE	
SPARE			7	16		16	8			SPARE	
Subtotal			2950					2000			
						32MCCB					
Total Connected W		4950			Lighting		Socket	MISC	TOTAL		
DEMAND LOAD W		4045.0	Connected W		250		800	3900	4950		
			DEM FACT		1		0.6	0.85			
PANEL LOAD kW		4.0	W		250		480	3315	4045		
FULL LOAD CURRENT INCLUDING FUTURE LOAD (A) (10%)		20.7									

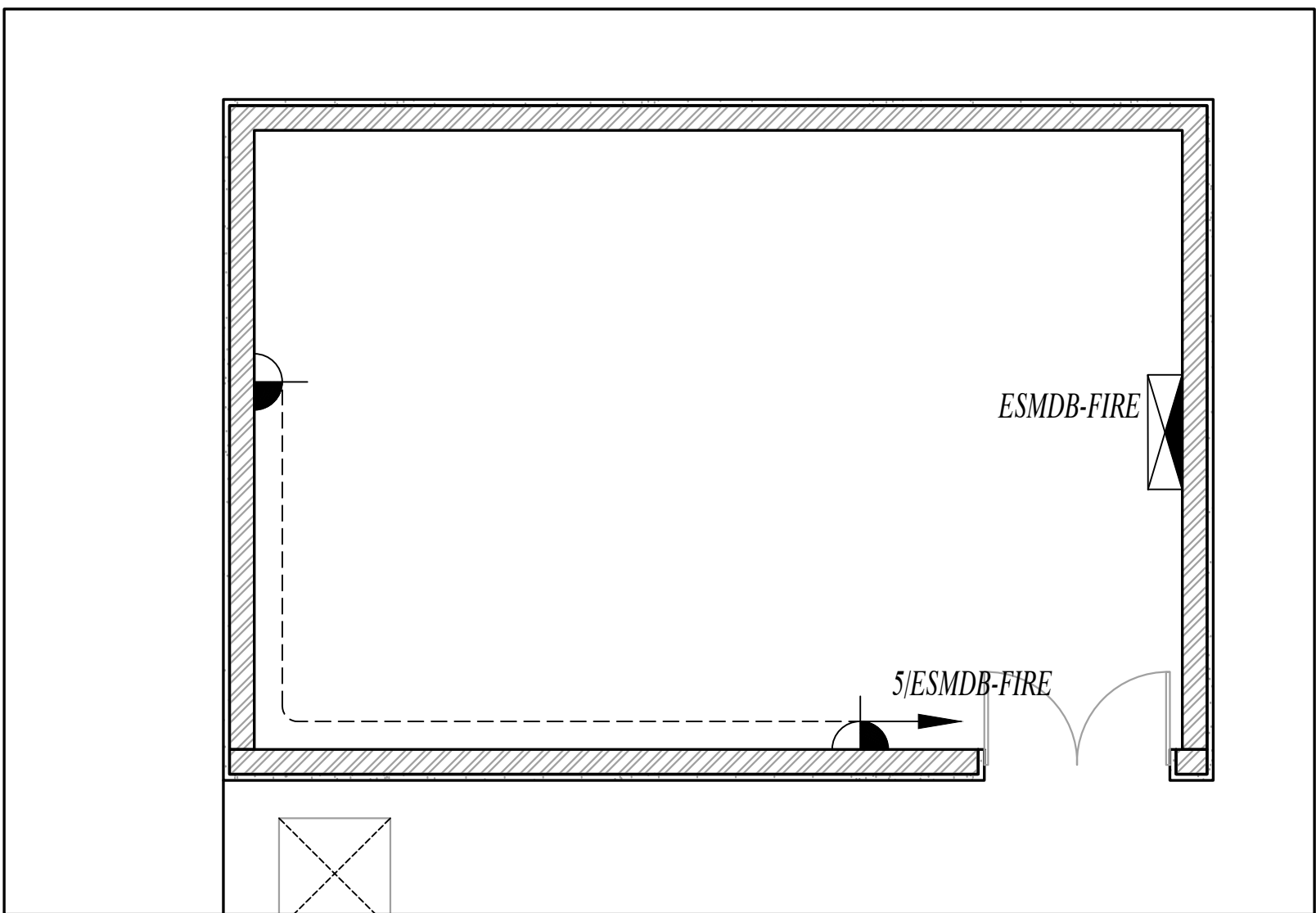


NOTES:

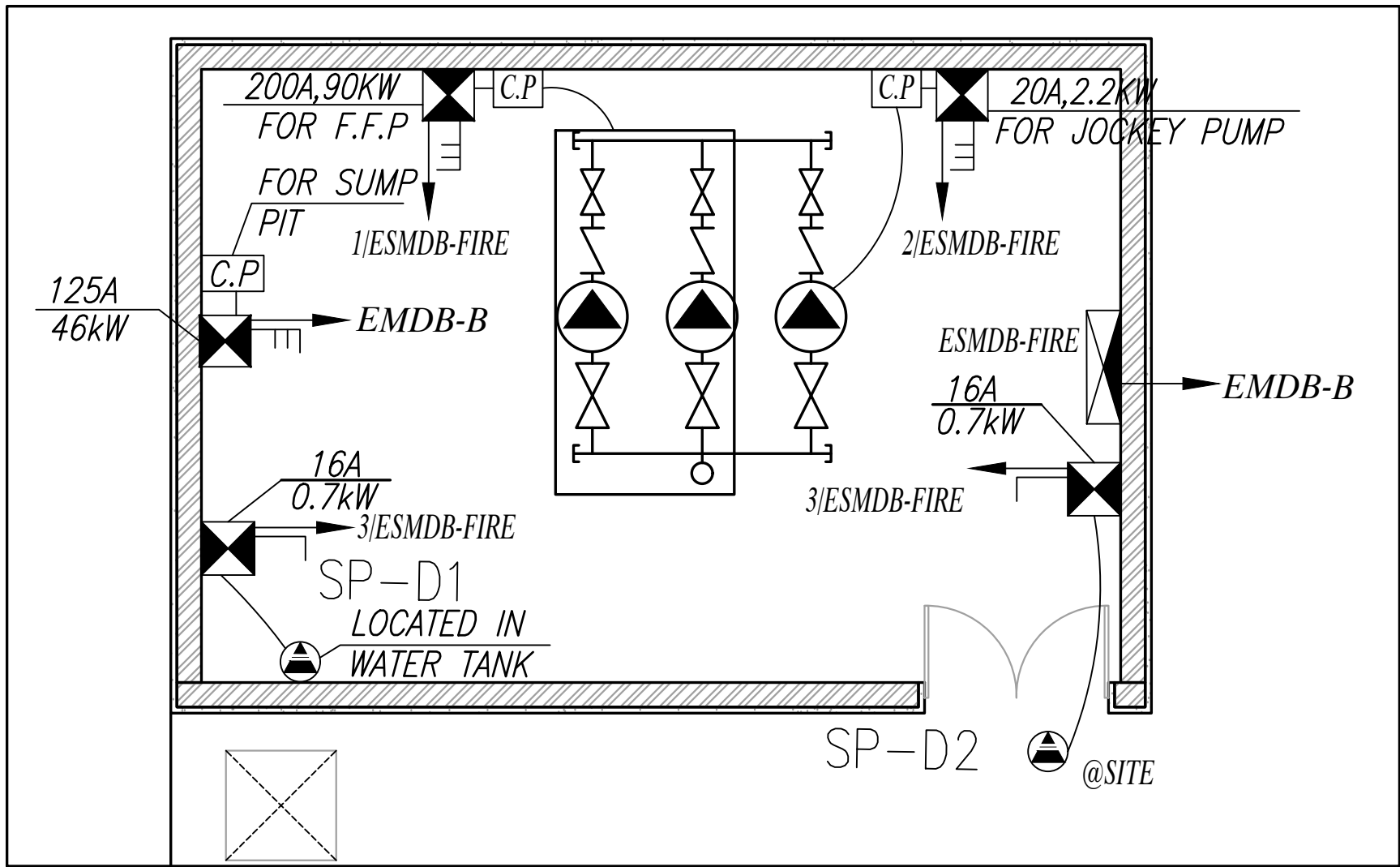
PLOT NO		:		413	
DISTRICT		:		IRBID	
BASIN		:		40 ALMUSRIB ALSHAMALIU	
IV. MARK	DATE	MADE BY	REMARKS		
CLIENT	NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS				
M P C E	MADI & PARTNERS CONSULTING ENGINEERS TEL.5829640-5829641 FAX.5829642 e-mail : mpce@index.com.jo				
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY				
RG. TITLE	WASTE ROOM: ELECTRICAL SYSTEMS LAYOUT				
DRAWN BY : ELEC.T			SCALE: 1:50		
DESIGNED BY: A.F			DATE : DEC.-2023		
CHECKED BY: S.J			PROJECT No. DRAWING No. E-1301		
PPROVED BY: S.J					



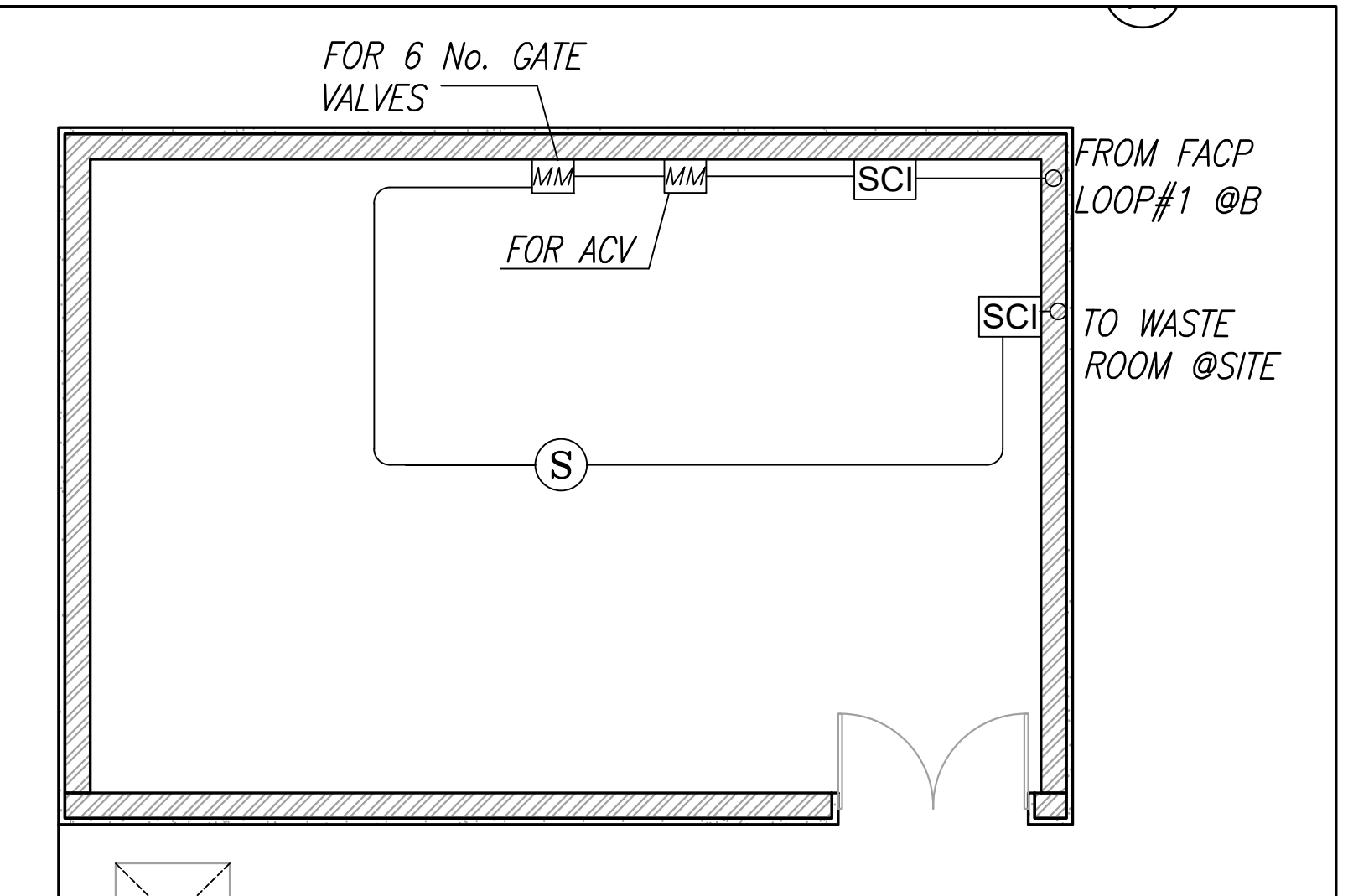
LIGHTING SYSTEM



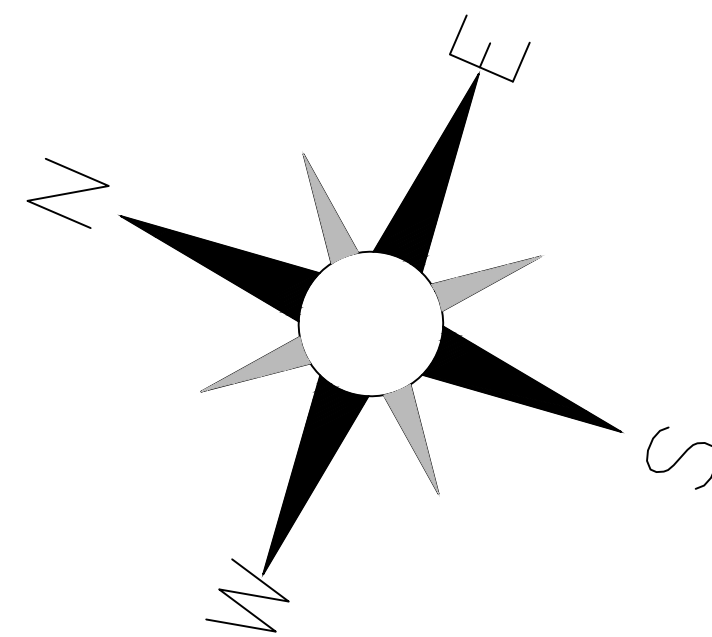
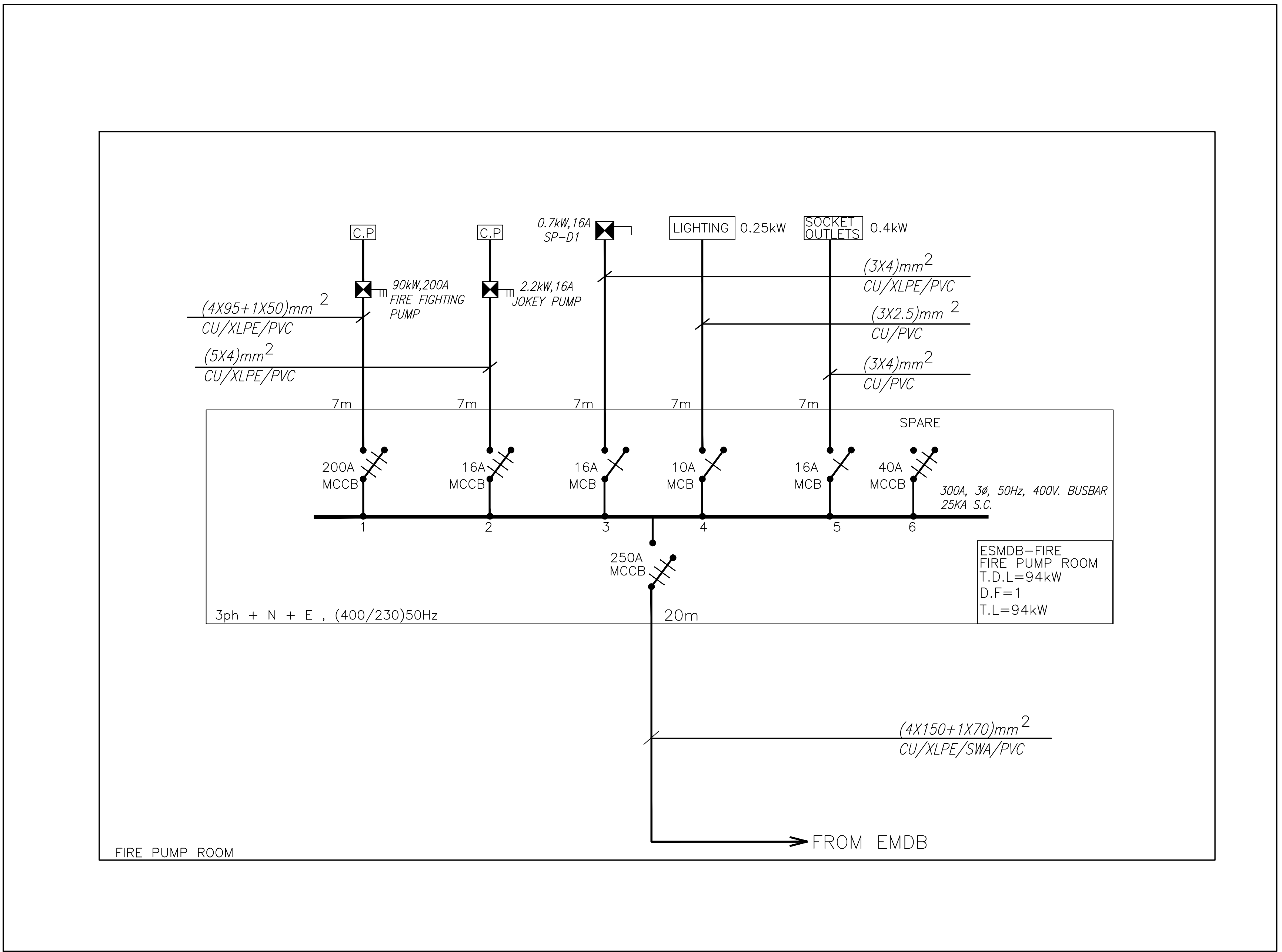
POWER SYSTEM



POWER FOR MECH. SYSTEM



FIRE ALARM SYSTEM



NOTES:

PLOT NO		:	413	
DISTRICT		:	IRBID	
BASIN		:	40 ALMUSRIB ALSHAMALI	
REV. MARK	DATE	MADE BY	REMARKS	
CLIENT	NATIONAL CENTER FOR DIABETES ENDOCRINOLOGY AND GENETICS			
M P C E	MADI & PARTNERS CONSULTING ENGINEERS TEL 5829640-5829641 FAX 5829642 e-mail : mpce@index.com.jo			
PROJECT	NATIONAL DIABETES AND ENDOCRINOLOGY CENTER BUILDING IN IRBID CITY			
DRG. TITLE	FIRE ROOM: ELECTRICAL SYSTEMS LAYOUT			
DRAWN BY : ELEC.T			SCALE : 1:50	
DESIGNED BY : A.F			DATE : DEC.-2023	
CHECKED BY : S.J			PROJECT No.	DRAWING No. E-1302
APPROVED BY : S.J				