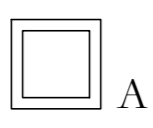
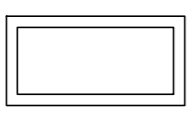



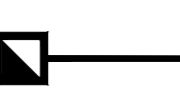

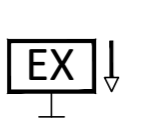

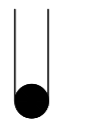
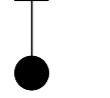
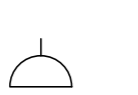
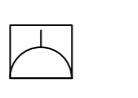
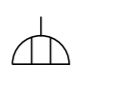
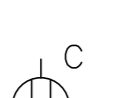
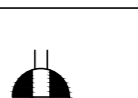
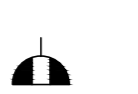



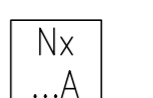
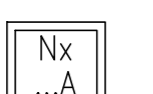
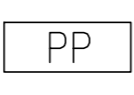







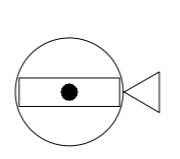
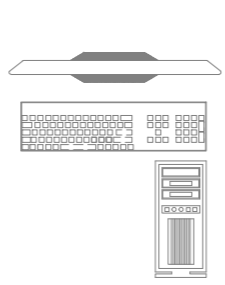
ELECTRICAL LEGENDS



LIGHTING SYSTEM LEGEND	
SYMBOLS	DESCRIPTION
 A	RECESSED 60X60 LED PANEL PROTECTION RATING: IP22 40W LED LAMP – 4000K.
 B	RECESSED 60X120 LED PANEL PROTECTION RATING: IP22 80W LED LAMP – 4000K.
	RECESSED CEILING LINEAR LED LIGHT PROFILE. 20W LED PER LAMP – 4000K.
 C	RECESSED CEILING MOUNTED ROUND LIGHTING FIXTURE. DIAM:20CM PROTECTION RATING: IP22 18W LED LAMP – 4000K.
 D	CEILING SUSPENDED SPOTLIGHT, DIRECTIONAL PROTECTION RATING: IP22 11W LED LAMP – 4000K.
	INDIRECT LIGHTING STRIP LED 15W PER LM – 4000K.
 E	SELF CONTAINED WALL/CEILING MOUNTED EMERGENCY LIGHT, POLYCARBONATE BODY, 230V 50Hz AC, 5W LED LAMP, 3h DURATION OF EMERGENCY LIGHTING BATTERY, IP54
 EX	SELF CONTAINED WALL/CEILING MOUNTED EXIT LIGHT, POLYCARBONATE BODY, COVER WITH SILK SCREEN LEGEND,5W LED LAMP, 3h DURATION OF EMERGENCY LIGHTING BATTERY, IP54
	10A 250V ONE WAY ONE GANG SWITCH
	10A 250V TWO WAY ONE GANG SWITCH
	10A 250V INTERMEDIATE ONE GANG SWITCH

POWER SYSTEM LEGEND	
SYMBOLS	DESCRIPTION
	16A 250V, 3 PIN WALL MOUNTED SOCKET OUTLET WITH EARTH TERMINAL
	16A 250V, 3 PIN FLOOR MOUNTED SOCKET OUTLET WITH EARTH TERMINAL, WEATHERPROOF
	16A 250V 3 PIN WALL MOUNTED DUPLEX SOCKET OUTLET WITH EARTH TERMINAL
 C	16A 250V 3 PIN WALL MOUNTED DUPLEX SOCKET OUTLET WITH EARTH TERMINAL, INCLUDING INTEGRATED USB TYPE–C CHARGER
	16A 250V WALL MOUNTED DUPLEX SOCKET, FED FROM UPS WITH EARTH TERMINAL. RED COLORED WITH ANTI TAMPER ADAPTOR.
	16A 250V WALL MOUNTED SOCKET, FED FROM UPS WITH EARTH TERMINAL. RED COLORED WITH ANTI TAMPER ADAPTOR
 UPS	UPS POWER SUPPLY
	ELECTRICAL OUTLET
	ELECTRICAL PANELBOARD
 Nx ...A	DISCONNECT SWITCH, RATED IN AC23, RATING AND POLES NUMBERS TO BE AS INDICATED
 Nx ...A	WATERPROOF DISCONNECT SWITCH, IP64, ROBUST THERMOPLASTIC ENCLOSURE, RATED IN AC23, RATING AND POLES NUMBERS TO BE AS INDICATED

PS POWER SUPPLY PULL BOX

TELECOM SYSTEM LEGEND	
SYMBOLS	DESCRIPTION
 PP	PATCH PANEL FOR TELECOM SYSTEM
	WALL MOUNTED 4 PAIRS VOICE/DATA OUTLET, RJ45 CAT.6A F/UTP, WITH 4 PAIRS CAT.6A F/UTP CABLE TO CORRESPONDING PATCH PANEL. "9" DENOTES NUMBER OF OUTLETS.
 MTT	MAIN TELEPHONE TERMINAL
 MDF	MAIN DISTRIBUTION FRAME
	WIFI ACCESS POINT, RJ45 CAT.6A F/UTP
	HDMI CONNECTOR

IP CCTV SYSTEM	
SYMBOLS	DESCRIPTION
	2MP HIGH RESOLUTION COLOR CCTV DOME (FIXED) IP CAMERA, PoE WITH AUTO IRIS, VARY FOCAL LENS & PoE, INDOOR CEILING MOUNTING. WP: DENOTES WEATHERPROOF, IP65
	CCTV SERVER WITH FULL MANAGEMENT SOFTWARE & HARDWARE INCLUDING LCD 32" WITH PC AND IP JOYSTICK

MUSIC SYSTEM LEGEND	
SYMBOLS	DESCRIPTION
 MS	WIRELESS MICROPHONE RECEIVER SYSTEM
	CEILING RECESSED SPEAKER

CONDUIT FILL TABLE MAXIMUM NUMBER OF PVC INSULATED CONDUCTORS IN CONDUIT (BASED ON 40% FILL)							
CONDUIT SIZE > WIRE SIZE	20mm	25mm	32mm	38mm	50mm	63mm	
2.5 mm ²	6	11	—	—	—	—	
4.0 mm ²	4	8	—	—	—	—	
6.0 mm ²	3	6	11	—	—	—	
10 mm ²	—	4	6	8	—	—	
16 mm ²	—	2	5	7	12	—	
25 mm ²	—	—	3	4	8	—	
35 mm ²	—	—	2	3	6	10	
50 mm ²	—	—	—	2	4	7	
70 mm ²	—	—	—	—	3	5	

ELECTRICAL INSTALLATIONS, GENERAL NOTES

- THE ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, FURNITURE, MECHANICAL, STRUCTURAL AND UTILITIES DRAWINGS.
- CONDUITS SHALL BE TERMINATED SO AS TO PERMIT NEAT CONNECTIONS TO EQUIPMENT.
- DIAGONAL CONDUIT RUNS WILL NOT BE PERMITTED. ALL BRANCHES SHALL BE TAKEN OFF AT RIGHT ANGLES. CONDUITS SHALL BE KEPT CLEAR OF HOT WATER, STEAM PIPES, CHIMNEY, FLUES, ETC.
- NO CONDUIT SMALLER THAN Ø20mm NOR BRANCH CIRCUIT WIRE SMALLER THAN 2.5mm SHALL BE USED.
- ALL EXPOSED CONDUITS FIXED ON COLUMNS, CEILING AND WALLS, SHALL BE RIGID HIGH GAUGE PVC.
- SWITCHES SHALL BE LOCATED AT 1100mm F.F.L. UNLESS OTHERWISE INDICATED. SWITCHES LOCATION WILL BE AT 250mm OFF THE DOORS OPENINGS.
- ALL SOCKETS IN BATHROOMS, TECHNICAL AND EXTERNAL AREAS SHALL BE WEATHERPROOF.
- SOCKETS SHALL BE LOCATED AT 450mm F.F.L. UNLESS OTHERWISE INDICATED.
- TELECOM OUTLETS SHALL BE INSTALLED AT 400mm F.F.L. UNLESS OTHERWISE INDICATED.
- LOCATIONS OF LIGHTING FIXTURES ON ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. LOCATION AND SPACING WITH ARCHITECTURAL REFLECTED CEILING PLANS AND OTHER REFERENCE DATA WILL BE VERIFIED BEFORE INSTALLATION.
- SPACE CONDITIONS SHALL BE FURTHER CHECKED INCLUDING HEAD ROOM CLEARANCES, AND INTERFERENCES WITH CEILING COMPONENTS, SUCH AS DIFFUSERS, DUCTS, OPENINGS, BEAMS AND PIPING PRIOR TO INSTALLATION SITE WORK.
- DRAWINGS SHOW GENERAL ARRANGEMENT AND LAYOUT OF THE WORKS AND DO NOT INDICATE ALL THE CONSTRUCTION DETAILS. THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL FULLY DETAILED SHOP DRAWINGS AND SCHEDULE. IN PARTICULAR THE CONTRACTOR SHALL CHECK TO INSURE THAT CONFLICTS WITH WORKS OF OTHER TRADES ARE AVOIDED AND ADEQUATE CLEARANCES ARE MAINTAINED.
- MAIN EQUIPOTENTIAL BONDING CONDUCTORS CONNECTING MAIN EARTHING TO EXTRANEOUS CONDUCTIVE PARTS SHALL BE PROVIDED: WATER SERVICE PIPES, GAS INSTALLATION PIPES, OTHER SERVICE PIPES AND DUCTING, CENTRAL HEATING AND AIR CONDITIONING SYSTEM, EXPOSED METALLIC STRUCTURAL PARTS OF THE BUILDING, ETC..

Key Plan



REV	BY	APP	DESCRIPTION	DATE

Revisions

NOTES:

- THIS DRAWING IS COPYRIGHTED AND IS NOT TO BE USED FOR ANY PURPOSE OTHER THEN FOR WHICH IT IS SUPPLIED.
- ALL DIMENSIONS ARE IN CENTIMETERS UNLESS OTHERWISE INDICATED. ALL LEVELS ARE IN METERS UNLESS OTHERWISE INDICATED.
- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH CURRENT SERVICES SEPARATIONS AND STANDARD DETAILS. THE CONTRACTORS SHALL COMPLY WITH ALL UTILITIES REQUIREMENTS AND PROVIDE ALL NECESSARY NOTICE AND ATTENDANCE TO THE CONCERNED AUTHORITIES PRIOR TO COMMENCEMENT OF ANY WORK ON THE SITE.
- THE DRAWINGS SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND CIVIL DRAWINGS AND ALL RELEVANT SECTIONS OF THE SPECIFICATIONS.
- BEFORE STARTING ANY WORK, THE CONTRACTOR HAS TO SUBMIT SHOP DRAWINGS SHOWING ALL DETAILS NEEDED. THE ENGINEER APPROVAL OF THE SHOP DRAWING MUST BE OBTAINED PRIOR TO COMMENCEMENT OF WORK.
- DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS ONLY.
- REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.

THIS DRAWING IS A COPYRIGHT. DO NOT SCALE FROM THE DRAWING. THE CONTRACTOR AND HIS SUB-CONTRACTORS ARE TO VERIFY ALL DIMENSIONS ON SITE BEFORE MAKING SHOP DRAWINGS OR COMMENCING MANUFACTURE.



AGENCE FRANCAISE D'EXPERTISE
TECHNIQUE INTERNATIONALE
MHM Center- Peres Street - Adliye Beirut, Lebanon

PROGRAMME - PROJECT NAME:
Supporting progress in key areas of public administration reform in Lebanon.

CONSULTANT:
ARCHITECT MANALE BASSIL
JBEIL, Lebanon

PROJECT:
PUBLIC PROCUREMENT AUTHORITY (PPA)

PLOT NO.:	BLOCK:
-	-

Sheet Information

PROJECT NBR.	-
PROJECT PHASE	TENDER
DISCIPLINE	ARCHITECTURAL
SECTOR	-
BUILDING	-
DESIGNED	MB
DRAWN	MB
CHECKED	-
APPROVED	-
DATE	15.05.2026
SCALE	1/50
SHEET SIZE	A0

Sheet Title

ELECTRICAL LEGEND
AND GENERAL NOTES

Sheet nbr.

T - EG - 102 - R00