


















(ELECTRICAL DRAWINGS)

PROJECT MANAGEMENT UNIT
OFFICE

PAKISTAN DIGITAL CITY, HARIPUR
KHYBER PAKHTUNKHWA INFORMATION TECHNOLOGY BOARD (KPITB)
GOVERNMENT OF KHYBER PAKHTUNKHWA

LEGEND

SYMBOL	DESCRIPTION	Mounting
	LED Down Light	Recessed / Ceiling
	Wall Bracket Light fixture	Wall
	LED Linear Light	Ceiling / Wall
	Picture Light	
	Wall Backer Fan	Wall
	Stair Light	Wall
	Ceiling Fan	Ceiling / Wall
	Exhaust Fan	Wall
	Light Plug	450mm AFFL
	2/3 PIN, 15 AMP Switch Socket	1200mm AFL
	3 PIN, 15 AMP Switch Socket	450mm AFFL
	5 AMP Single Way Switch Plate	1200mm AFFL
	5 AMP 2- Way Switch Plate	1200mm AFFL
	AC	Wall
	Telephone Point	450mm AFFL
	Data Point	450mm AFFL
	Distribution Boards and Main Panels	1200mm AFFL

NOTES

1- THESE DRAWING ARE TO BE READ IN CONJUNCTION WITH THE CIVIL AND MECHANICAL DRG. AND WORK TO BE EXECUTED IN CO-ORDINATION WITH OTHER SERVICES

2- EXACT LOCATION OF OUTLETS AND FIXTURES AND ROUTING OF RACEWAYS ARE TO BE APPROVED BY CONSULTANT/ENGINEER IN CHARGE AND CONTRACTOR TO SUBMIT SHOP DRG. FOR APPROVAL PRIOR TO EXECUTION.

3- MINIMUM P.V.C CONDUIT SIZE SHALL BE 20mmØ UNLESS OTHERWISE NOTED PVC CONDUIT CAPACITY AS FOLLOWS.

CABLE CONDUIT	1.5 mm ²	2.5 mm ²	4.0 mm ²	6.0 mm ²	10 mm ²	16 mm ²	25 mm ²
20 mmØ	6	5	4	3	2	—	—
25 mmØ	15	10	7	5	3	2	—
32 mmØ	26	15	12	9	5	4	2

4- WIRE SIZE AS FOLLOWS UNLESS OTHERWISE NOTED.

● LIGHT/FAN (5 AMP SOCKET (POINT TO POINT) WITH 1.5 mm Sq (3/036)

● LIGHT CIRCUIT (MCB TO SWITCH) WITH 2.5 mm Sq (7/029)

● MCB TO LIGHT POINT (SET OF LIGHT POINTS WITH 2.5mm Sq (7/029)

● 15 AMP SOCKET (DIRECT FROM DB) WITH 4mm Sq (7/036)

● FOR A/C SOCKET (DIRECT FROM DB) WITH 6 mm Sq (7/044)

● 5 AMP SOCKET (AWAY FROM SWITCH BOARD) WITH 1.5 mm Sq (3/036)

(FROM NEAREST SOCKET / SWITCH BOARD)

5- SWITCHES ON SEPARATE PHASES TO BE LOCATED ON SEPARATE BOARDS

6- ALL EXTERNAL BURIED CONDUIT SHALL BE PVC CLASS "D"

7- CONDUITS CARRYING WIRING FOR POWER SOCKETS TO BE BURIED IN FLOOR

8- USE SEPARATE CONDUIT FOR SINGLE PHASE WIRING FOR DIFFERENT PHASES

9- E.C.C. (USE GREEN INSULATED COPPER CABLE)

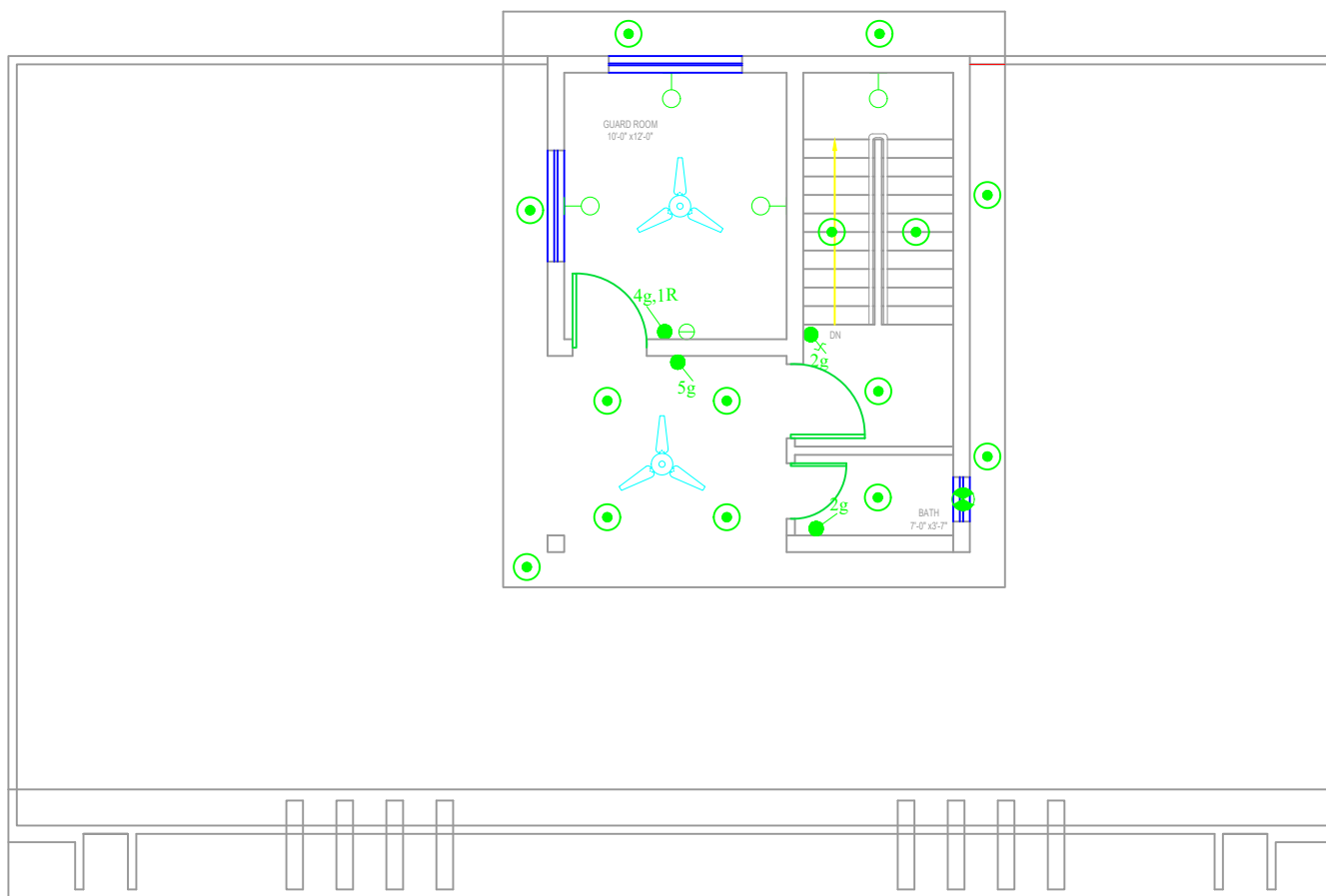
10- WIRING OF SET 3 LIGHT PLUGS FOR (DIRECT FROM D.B.) WITH 2.5 mm Sq (7/029)

11- WIRING FOR COMPUTER POWER OUT LETS WITH 2.5 mm Sq (7/029)

12- USE STRANDED CONDUCTOR COPPER WIRES/CABLES.

13- USE RG-6 AS VIDEO CABLE FOR EACH CAMERA OUTLET

14- USE CAT-6 FOR TELEPHONE LAN FOR EACH OUTLET



LIGHTING LAYOUT @ MUMTY

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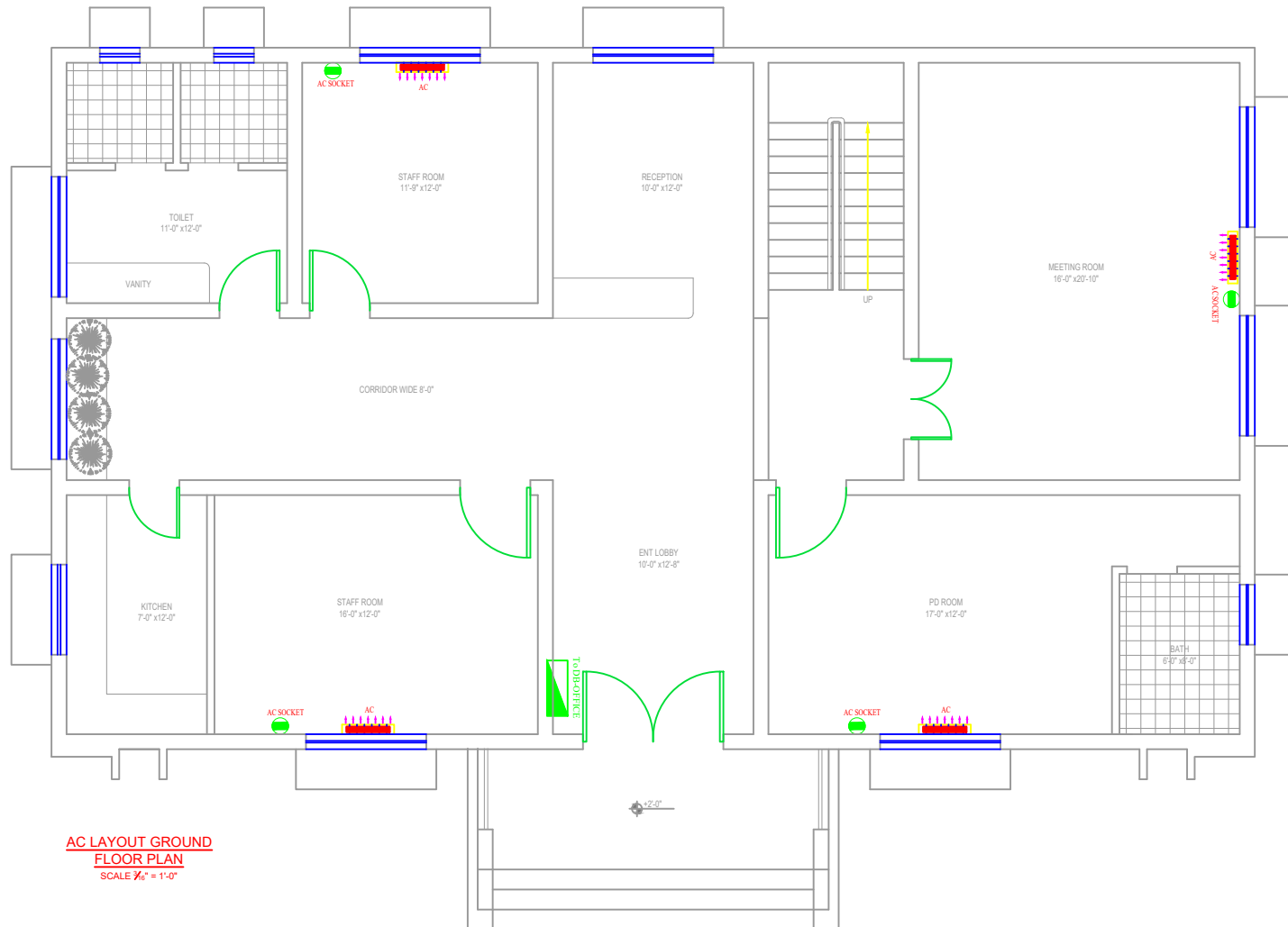
DRAWN BY
APPROVED BY

GHULAM MURTAZA
BABAR TANWIR

PROJECT:-
PMU, PAKISTAN DIGITAL
CITY HARIPUR KP
DATE:
SCALE: N.T.S.
DRAWING NO:-
E03

TITLE:-
MUMTY LAYOUT

REV No.	DATE	REVISIONS
1		
2		
3		
4		
5		



**AC LAYOUT GROUND
FLOOR PLAN**
SCALE 1/8" = 1'-0"

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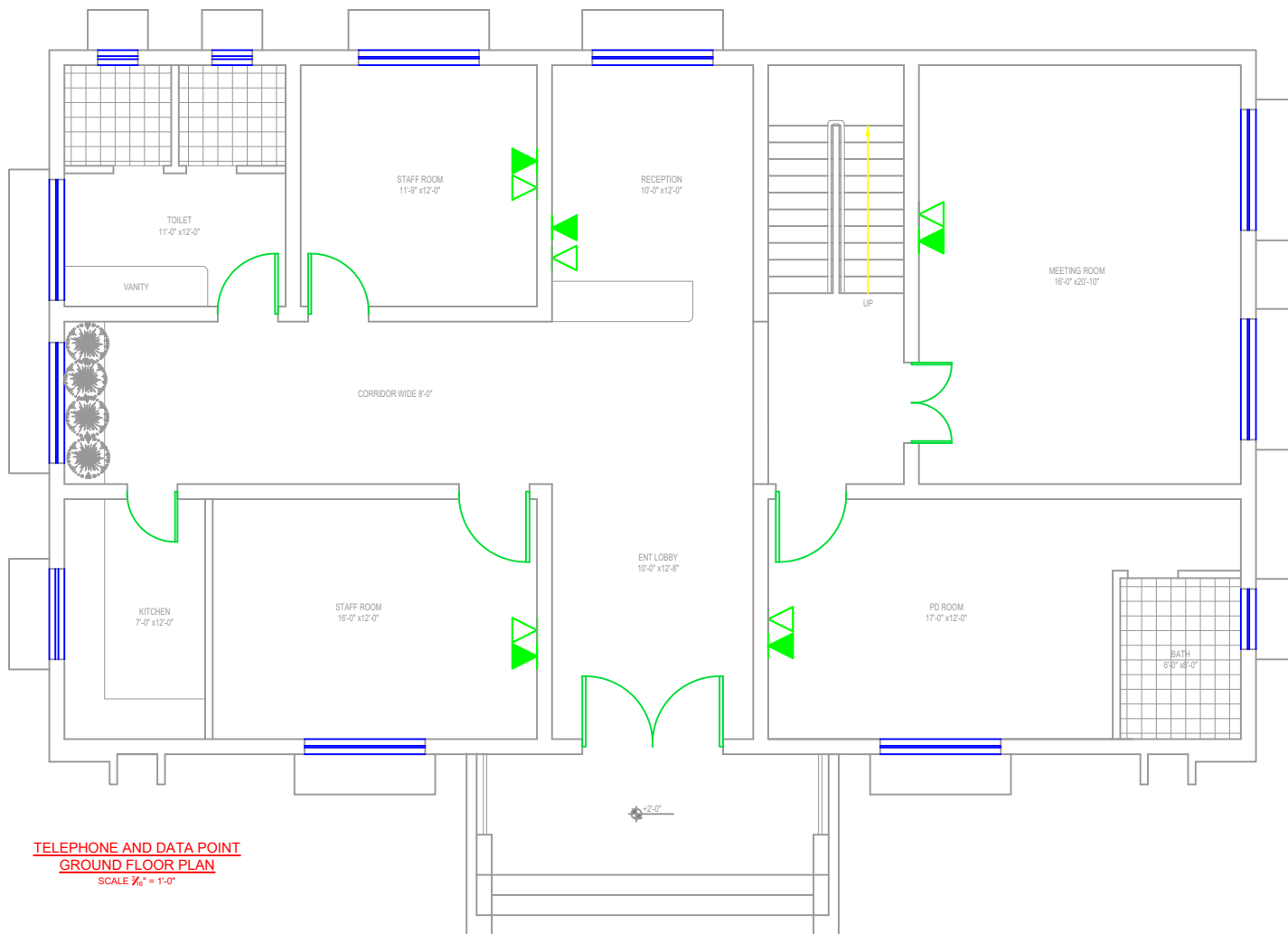
BABAR TANWIR

PROJECT:-
PMU, PAKISTAN DIGITAL
CITY HARIPUR KP
DATE:
SCALE: N.T.S.
DRAWING NO.:
E04

TITLE:-

GF AC POINTS

REV No.	DATE	REVISIONS
1		
2		
3		
4		
5		



**TELEPHONE AND DATA POINT
GROUND FLOOR PLAN**
SCALE 1/8" = 1'-0"

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PMU, PAKISTAN DIGITAL
CITY HARIPUR KP
DATE:
SCALE: N.T.S.
DRAWING NO.:
E05

TITLE:-
GF LAYOUT

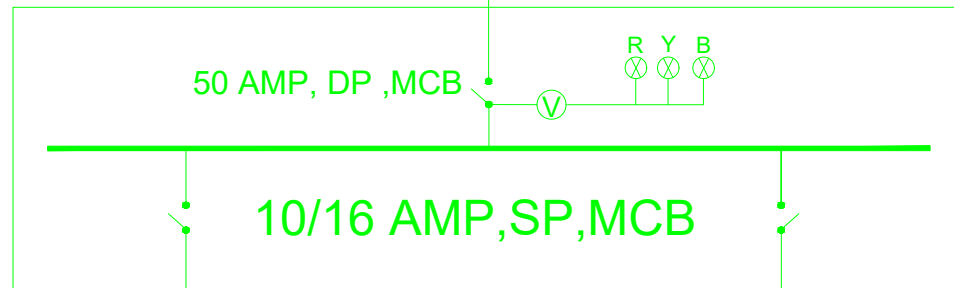
REV No.	DATE	REVISIONS
1		
2		
3		
4		
5		

FROM Meter



1x3 core, 16mm sq, PVC/PVC,
450/750 volt grade copper cable

DB



DBS DETAIL

01

TO

12

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PROJECT:-
PMU, PAKISTAN DIGITAL
CITY HARIPUR KP
DATE:
SCALE: N.T.S.
DRAWING NO:-
E06

TITLE:-

DISTRIBUTION BOX

REV No.	DATE	REVISIONS
1		
2		
3		
4		
5		