



Electrical Load Distribution for the Mechanical Workshops Building at Valley Higher Institutes

Introduction

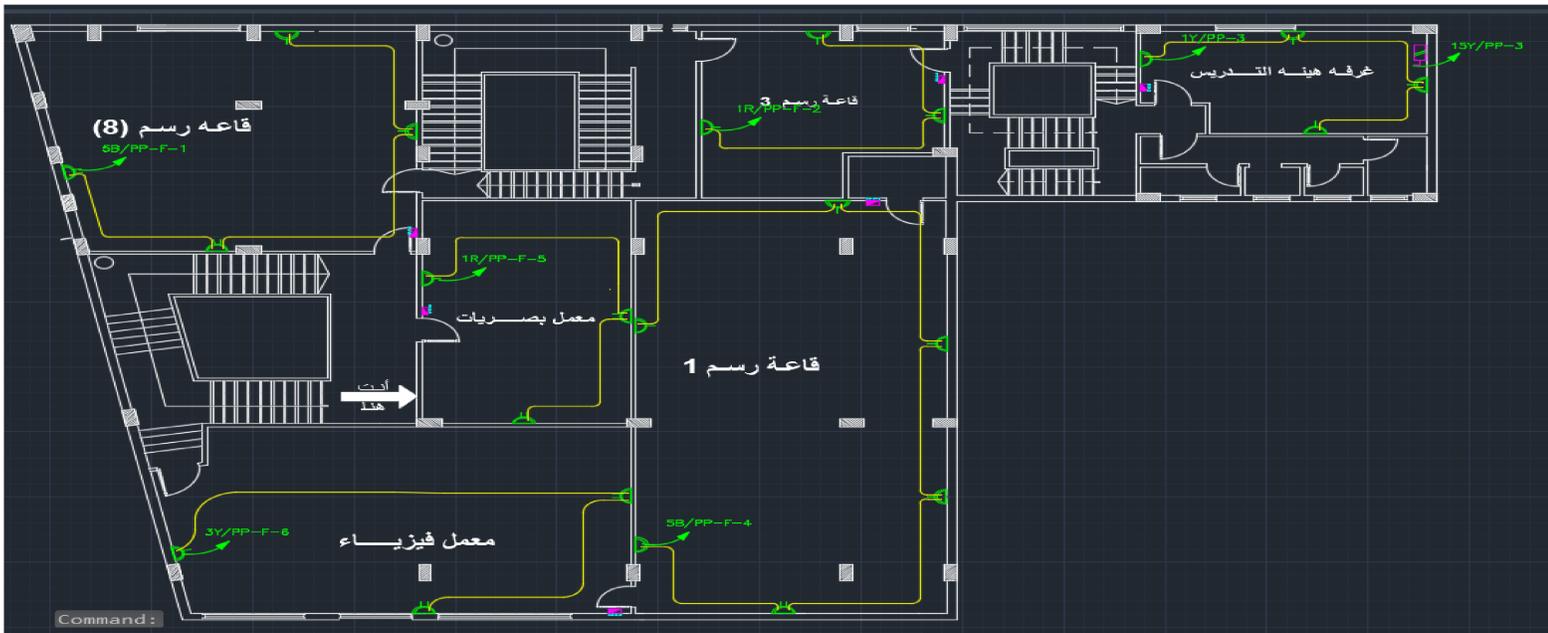
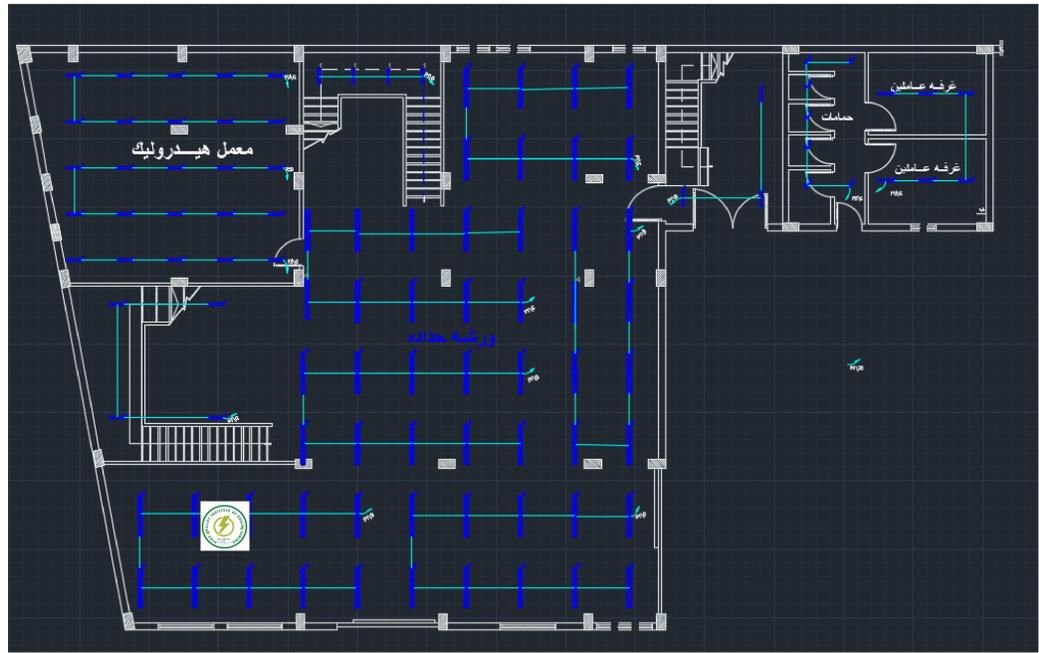
Electrical design is a service for the development of design estimates, testing, and supervision of the development, modeling, and installation of electrical networks and equipment in a building. This is one of the main directions in building design, including fire engineering. Electrical design includes the installation of power systems, lighting equipment, power distribution, installation of fire safety systems and electronic components in the infrastructure. Electrical engineers work in this area.

Objectives

1. Load estimation.
2. Lighting plan
3. Small power plan
4. Mechanical power plan
5. Panel Schedule
6. (C.B+Cable) selection and SLD
7. V.D and S.C Calculation

plan Overview

مبنى الورش			
احمال ميكانيكيه		عدد الادوار	
KW	75.0	مصعد	1689.0
KVA	88.235		16.9 /100
KVA	1.9		10KVA/100M2
KVA	2.5882	KVA	168.9
KVA	2.5882		0.8 DEMOND LOAD
KVA	1.5294	KVA	135.1
KVA	2.0651	KVA	
KVA	1.7647		
KVA	2.0651		
KVA	4.5882		
KVA	2.0651		
KVA	25.813		
KVA	9.2927		
KVA	2.7059		
KVA	4.7059		
KVA	3.5294		
KVA	5.1765		
KVA	1.1765		
KVA	161.77	KVA	296.9



Supervisor and Team

Supervisor by: Dr.Eng.Abdelaziz Ismail Dr.Eng.Consultant/Ehab Gafar
Team Members:

- 1- Youssef Abdalla Mohammed
- 2- Shehab Mohammed Fekry
- 3- Mahmoud Hamada Mahmoud
- 4- Mostafa Ahmed Abdelhamed
- 5- Abdelrahman Mohammed
- 6- Mohammed Abo Elatta

- 7- Hamdy Saeed
- 8- nabil Elsayed
- 9- Abdalla Mohammed
- 10- ahmed Elaraby
- 11- Saeed Mohammed