

SILABUS PELATIHAN

AutoCAD 2D

Teknik Gambar Profesional

Arsitektur • Sipil • Mekanikal • Elektrikal

5

Bagian Utama

30+

Topik Latihan

3

Bidang Teknik

BAGIAN 1 Pendahuluan & Antarmuka

5 topik — Dasar pengoperasian AutoCAD

Topik Pembelajaran

1. Pengenalan pengoperasian mouse dan keyboard
2. Pengenalan Menu dan Ribbon Draw
3. Tool Ribbon Modify
4. Tool Ribbon Layer, Annotation, Block & Group
5. Tool Footer — Model, Layout, Object Snap, Polar

BAGIAN 2 Denah Rumah Tinggal

9 topik — Teknik Arsitektur / Sipil

Topik Pembelajaran

6. Membuat garis AS
7. Membuat dimensi dan layer
8. Membuat kolom praktis
9. Membuat dinding plesteran dan dinding bata
10. Membuat kusen pintu
11. Membuat kusen jendela
12. Membuat teras, taman, dan arsir
13. Menambahkan furniture dengan Tool Palette & Design Center
14. Membuat keterangan teks — Multiline & Single Line
15. Menggambar tampak
16. Gambar potongan
17. Detail pondasi

BAGIAN 3 Mekanikal Engineering 2D

5 sub-kategori latihan teknik mekanikal

A — Orthographic Projection (Gambar 3 Tampilan)

- Bracket sederhana, Bearing housing
- Machine vise / bench vice
- Shaft support, Gear box cover, Pump casing

B — Detail Drawing Machine Parts

- Shaft dengan keyway, Spur gear, Pulley, Flange coupling
- Bolt, nut, washer (detail + tabel)
- Connecting rod, Crankshaft (2D)
- Piston + piston ring, Valve body
- Jig & Fixture sederhana

C — Section View

- Full section pada housing atau cylinder
- Half section pada pulley atau coupling
- Broken / Removed section

D — Assembly Drawing 2D

- Exploded assembly dengan BOM (Bill of Materials)
- Bench vice assembly
- Flange coupling assembly
- Bearing housing assembly
- Gear reducer / gearbox assembly (3–6 parts)

E — Isometric Drawing

- Isometric dari bracket, machine part, atau piping sederhana

BAGIAN 4 Elektrikal Engineering 2D

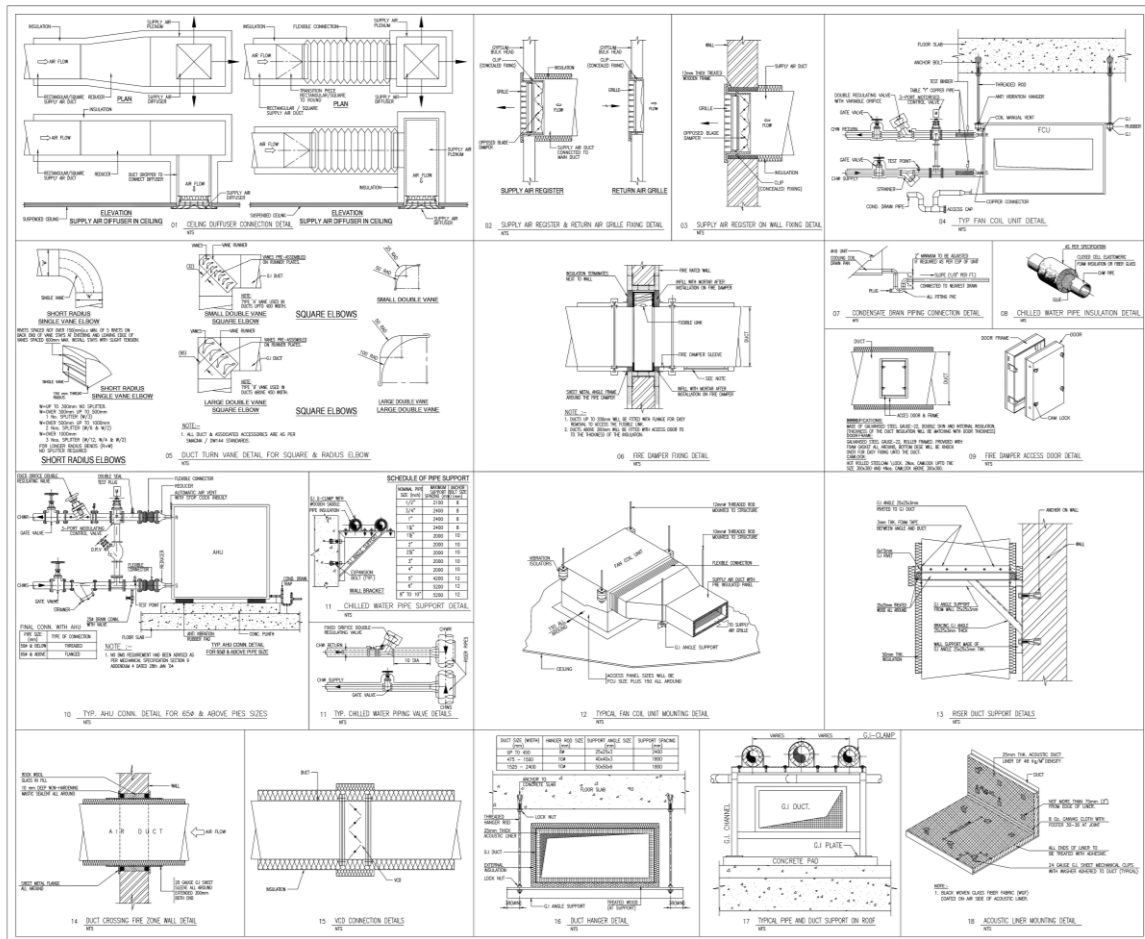
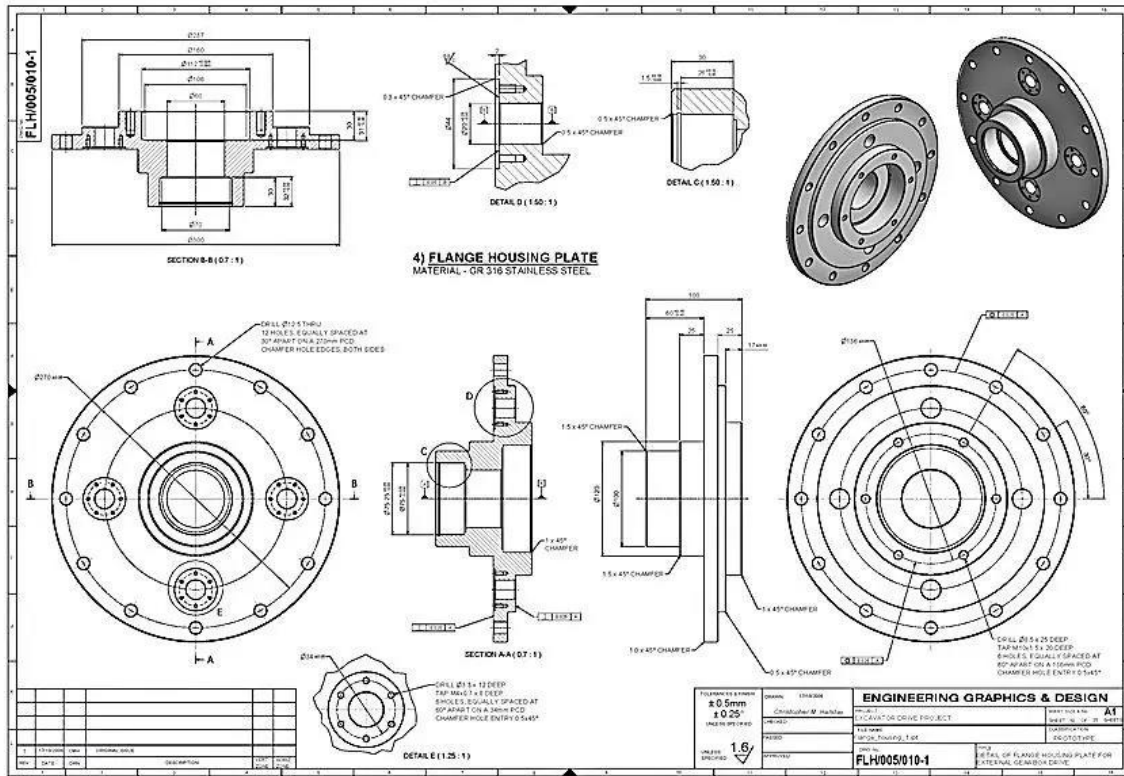
4 sub-kategori latihan teknik elektrikal

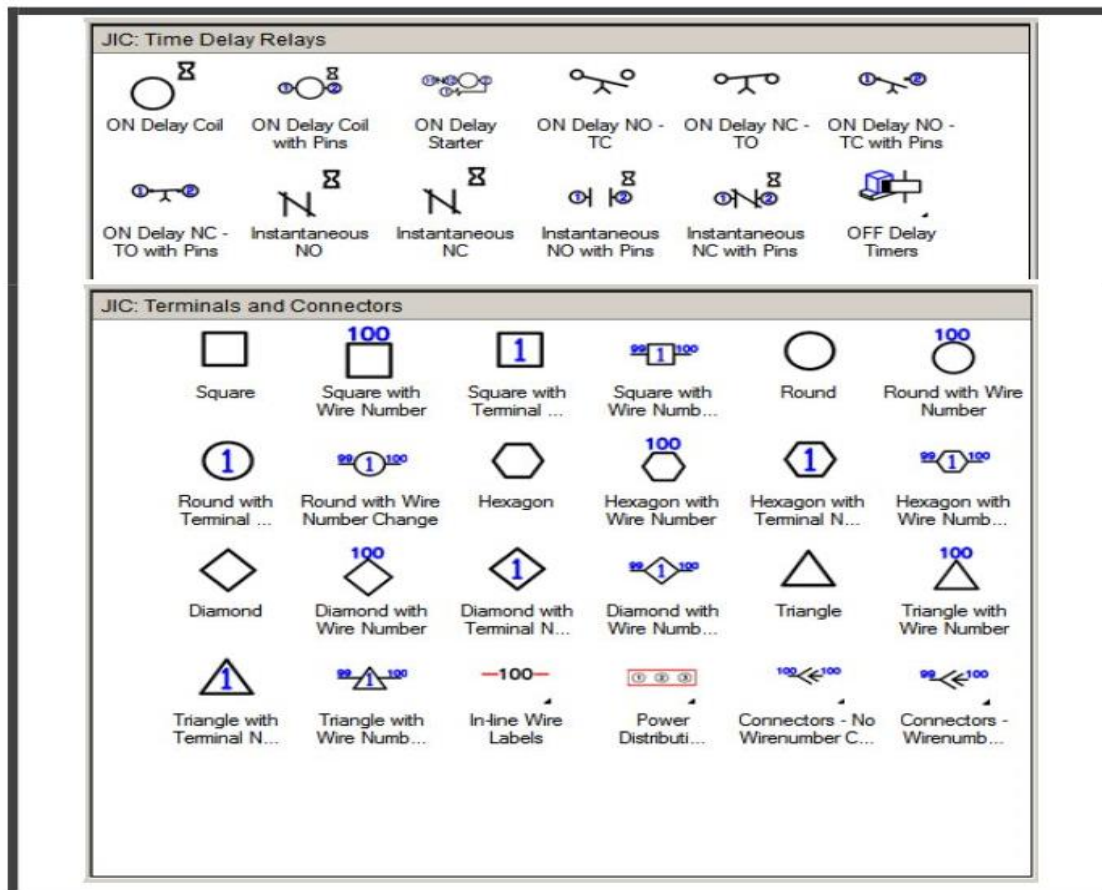
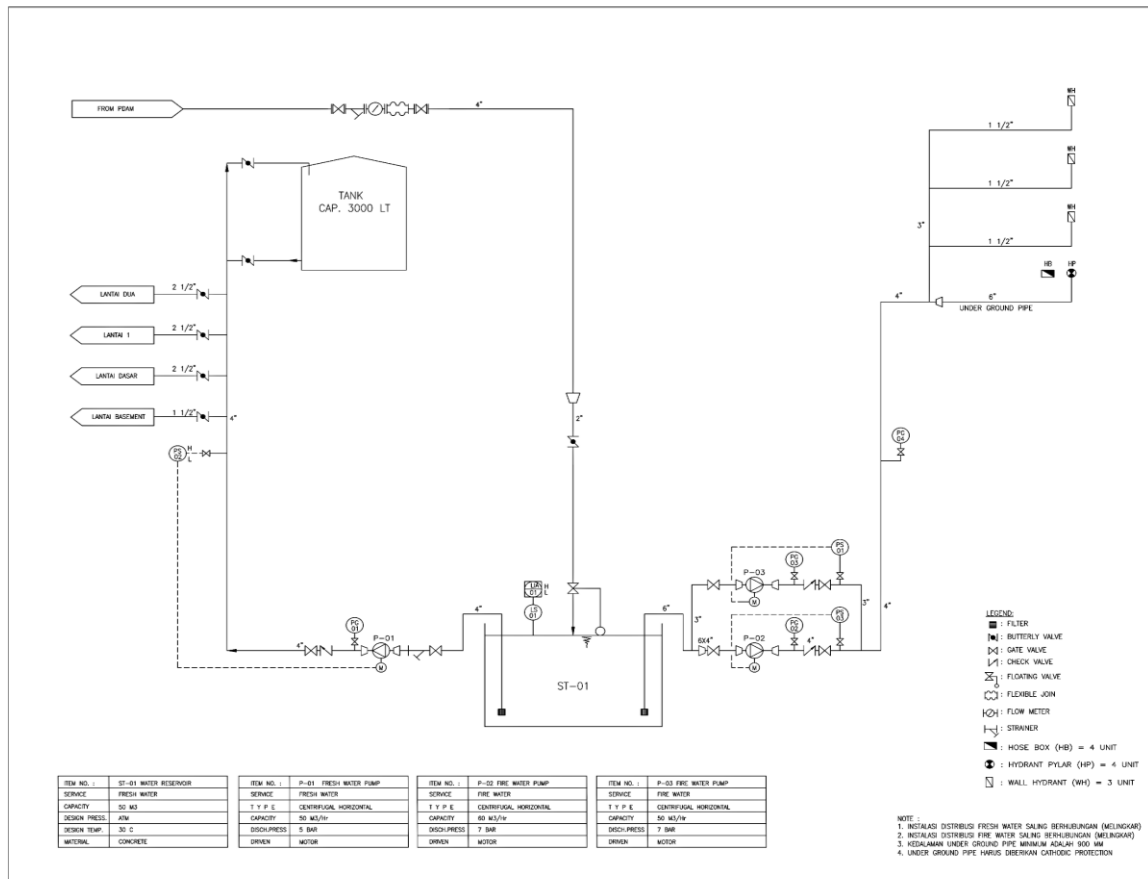
A — Schematic Diagram

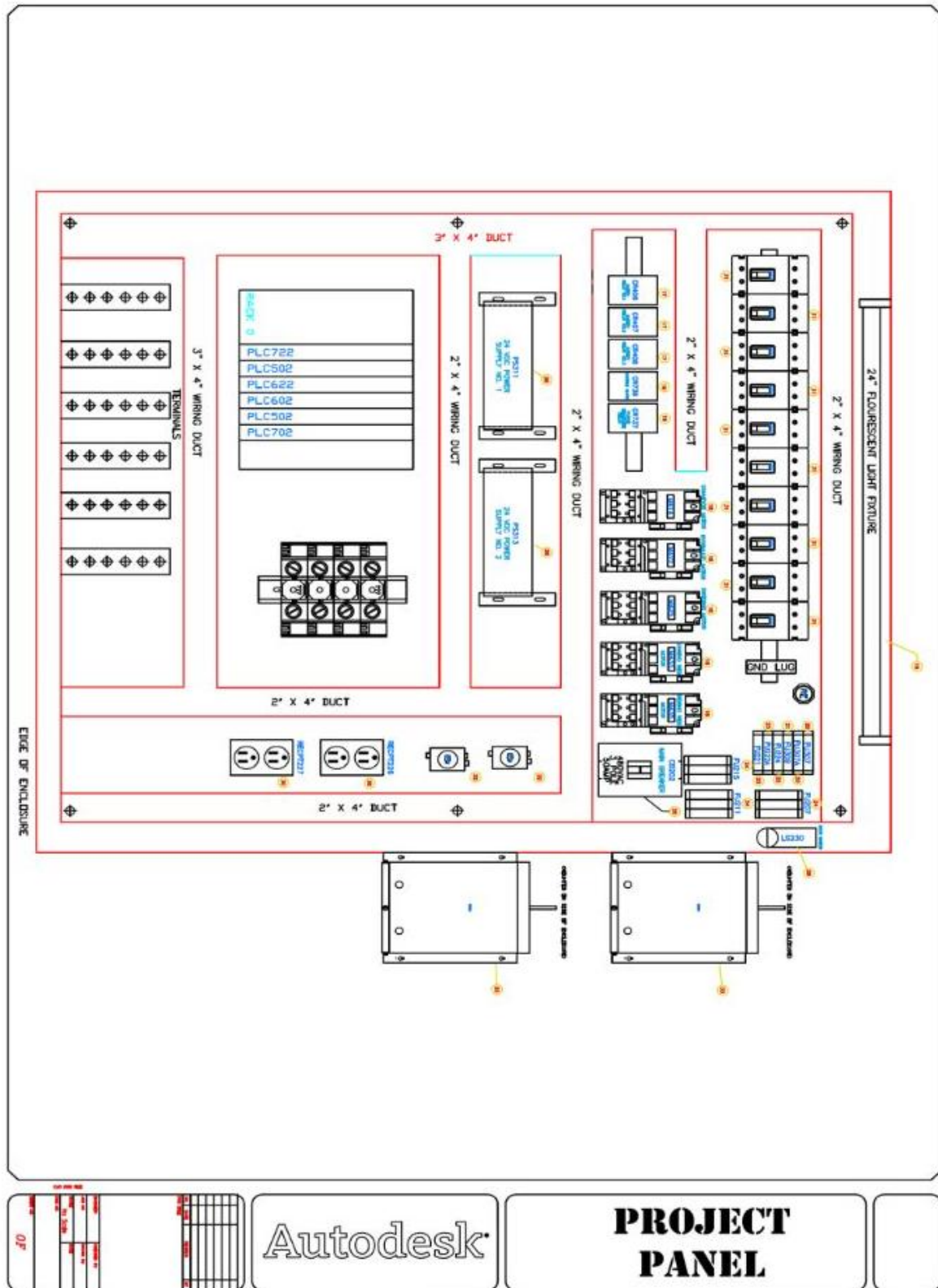
- Rangkaian motor starter DOL (Direct On Line)
- Star-Delta starter
- Forward-Reverse motor control
- Rangkaian relay dan timer
- PLC ladder diagram sederhana

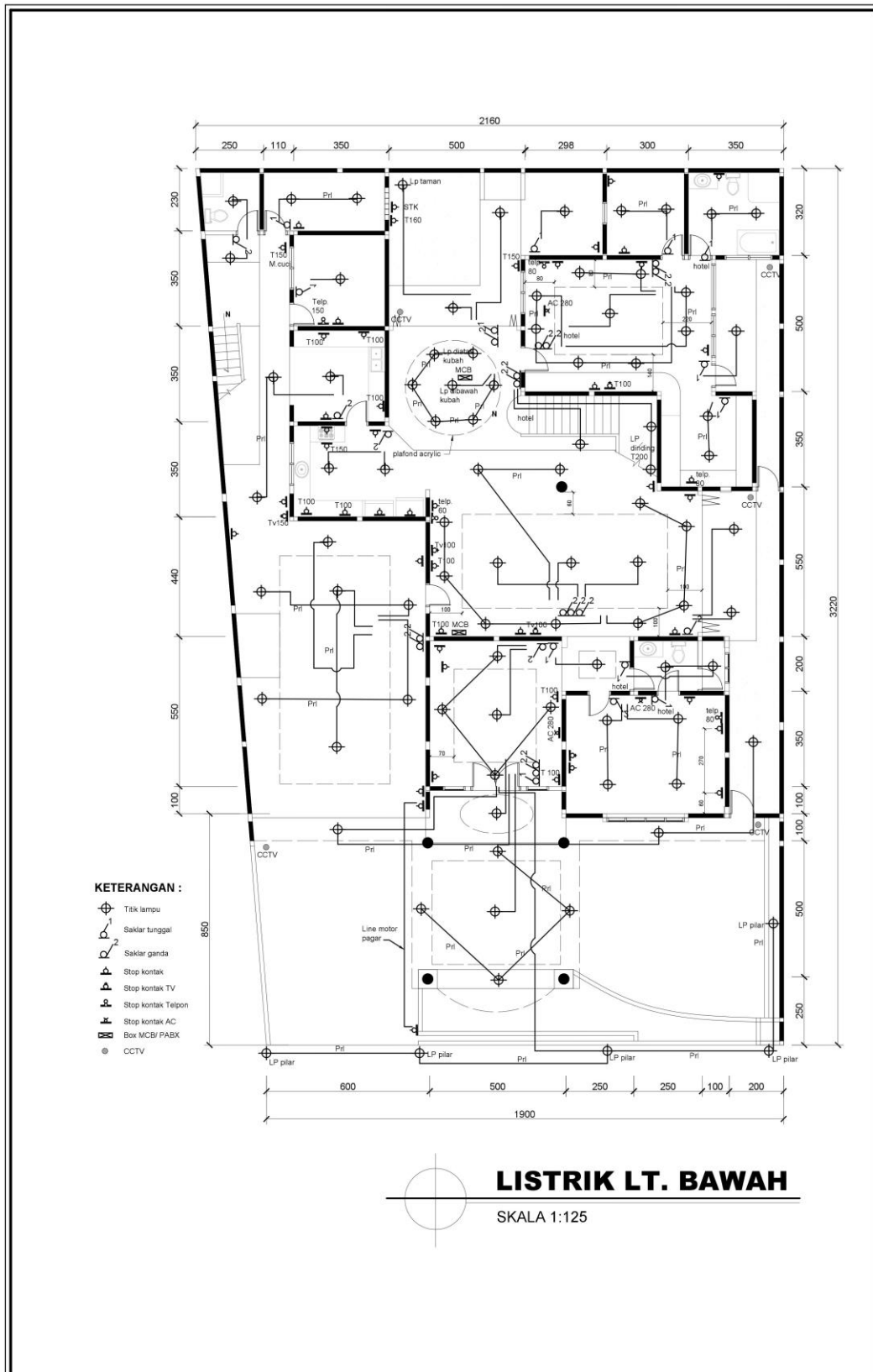
B — Wiring Diagram & Installation

- Instalasi listrik rumah 1 lantai (lighting + power)
- Instalasi kantor / ruang kelas
- Single line diagram panel distribusi
- Lighting layout gedung
- Power layout gedung
- Grounding diagram









-- SELAMAT BELAJAR --