Chapter 1 Summary * Mr. Milnes * Technical Drawing

The Graphic Language (Pages 1-20)

Is Technical Drawing For You?
1. Find work that you are deeply interested in.
2. Tech Drawing is the oldest type of written expression.
3. Successful design requires people who can think creatively and work as a team.
4. Select work that you can do well.
5. Don’t disregard your personality and character when choosing a job.
6. The most successful people are not those who set out to make a lot of money … the MOST successful people choose the work they enjoy.

Language of Drawing
1. Tech Drawing is basic and essential to all technical courses including drafting, engineering, manufacturing, construction, aviation and electronics.
2. Drafting is a graphic language and has its own alphabet and grammar.
3. Knowledge of graphic languages is essential in order to read blue prints.

Industrial Drafting
1. There are two main types of drawings: artistic and technical.
2. Artistic: as they see it. Technical: true to life.
3. ACCURACY IS ONE OF THE MAIN OBJECTIVES OF TECH DRAWING.
4. The stages of an idea are: freehand sketch, mechanical drawing, working drawing.

Working Drawings
1. Working drawings are a complete set of drawings prepared so an object can be produced without additional information. These drawings are a complete set visual descriptions and measurements.
2. Working drawings are composed of two parts: views and dimensions.
3. Different views help you visualize an object.
4. Dimensions tell you the size and shape of a design.

Branches of Technical Drawing
1. Architectural – building industry
3. Structural – structural steel & building
4. Sheet metal – HVAC (heating, ventilation & air conditioning)
5. Electrical – electronic industry
6. Aeronautical – aircraft manufacturing
7. Marine – ship construction

Goals of Technical Drawing
1. Be accurate, use proper technique, be neat, performed with speed.