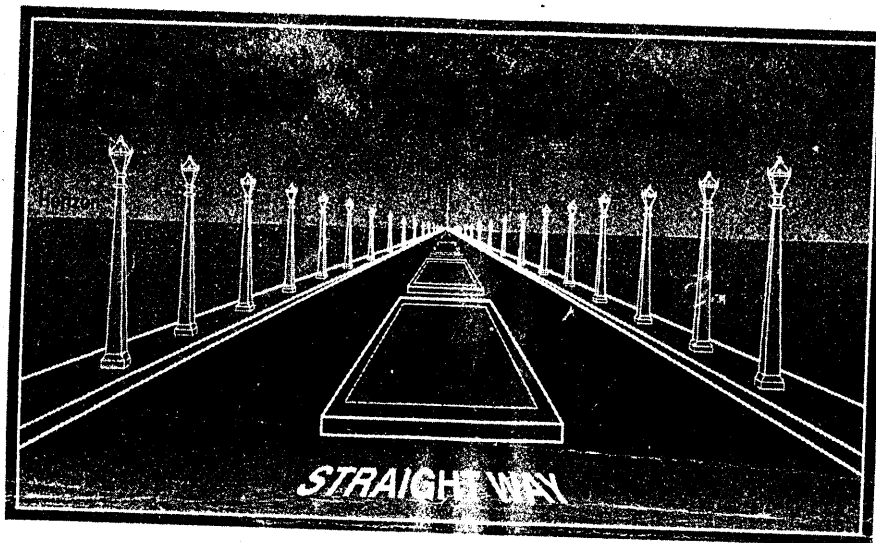


ME 102 (B)

Tamim Taher

Beginner's Guide to Engineering Drawing



One Point Perspective

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Dear Student,

This book is for you, the beginner in Engineering Drawing. I tried, to the best of my capability, to cover the basic things and explain in as simple a way as I could, so that you find it attractive and easy. The information is available on the internet and free to access but in a few cases you may not be able to access, unless you are authorized. I tried to pick up the easier aspects from the available web based information. Sometimes I compiled the information from different sources to make ideas even clearer. Putting together this book was a learning process for me as well. Please do try to comprehend the book yourself as the book is meant for the self-starter. If you cannot follow it, then ask those who know the subject. In that case, your reward is double, as you have put an extra effort to learn.

All over the world, in colleges and universities, engineering drawing is offered as a basic course to various branches of engineering and technology, with titles like Engineering Drawing or Drafting or Technical Drawing or Engineering Graphics. Although this book is exclusively written for the students in my country, Bangladesh; I have made an effort to hold its universal appeal. Do not be misled that all the drawings presented here are my work. No, they are not! Except for a few, and others by students like you, who volunteered, and the rest is taken from the internet. There is no need to reinvent the wheel. I only gathered the necessary wheels and other body parts to form a suitable vehicle, for a novice to ride and explore. I strove to bring all the necessary information required for such an introductory course in this book, so that both the student and the teacher get the benefit. That is the core purpose of this book. Feel free to copy and distribute the information here; photocopy, scan or in any other form, to spread the knowledge. However, if you introduce any changes in this book then it will be your contribution. Please forgive and ignore if you find any mistakes in the book.

Enamur Rahim Latifce



1.5 Lettering

A student like you did the following letters and numbers. Try with one-fourth (0.25) inches distance (technically it is called spacing) between the lines, in both the directions (i.e. X and Y axes).

A B C D E F G H
I J K L M N O
P Q R S T U V W
X Y Z

1 2 3 4 5 6 7 8
9 0

1.6 Drawing on Art Paper

1. Get an art paper. Normally they are available in sizes 28 inches by 22 inches.
2. You can divide the art paper into two pieces, if it is easier to work.
3. Draw border lines with half inches spacing from the edge of the art paper on every side so that it becomes a rectangle.
4. At the top and in the middle, draw the grids as you did for LETTERING and write **PLATE NO - 1** on the grid. Start the grid at least three-fourth inches inside the border.
5. At the bottom right corner, write some useful information. You can make the height of the lettering as one-fourth and the space between the lines as one-eighth inches.

PLATE NO-1

DEPT. OF
NAME
ROLL, COURSE NO
DATE OF SUBMISSION