



# CIVIL ENGINEERING DRAWING

[ INCLUDING COMPUTER AIDED BUILDING DRAWING ]



By  
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REVISED  
& ENLARGED

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## ABOUT THE BOOK

Civil Engineering Drawing is an inevitable subject in learning Civil Engineering and Architecture. This thoroughly revised, extensively enlarged and completely modified third edition presents plenty of new material by adding and updating its contents to enhancing and widening its coverage. Plenty of new drawings are added and all other drawings are redrawn with full details and in scale. The entire book is divided into two parts:

- Part I : Civil Engineering Drawing**
- Part II : Computer Aided Building Drawing.**

Three new chapters are added:

- (1) Earthquake Resistant Buildings;**
- (2) Classification of Buildings; and**
- (3) Computer Aided Building Drawing.**

Topics of Sciography are introduced in the chapter of Perspective Drawings and Sciography.

**The outline of the book is:**

### **PART I: CIVIL ENGINEERING DRAWING**

- Chapter 01 : Introduction to the subject with history, development and order of architecture.
- Chapter 02 : Guidelines for preparing building drawings
- Chapter 03 : Various methods and types of drawings such as orthographic, axonometric drawings viz., isometric, dimetric, trimetric, oblique, etc.
- Chapter 04 : Submission and working drawings.
- Chapter 05 : Perspective drawings and sciography.
- Chapter 06 : Gives all aspects of principles of planning.
- Chapter 07 : Provides architectural compositions.
- Chapter 08 : Building bye-laws.
- Chapter 09 : Introduce earthquake resistant buildings.
- Chapter 10 : Classification of buildings.
- Chapter 11 : Planning of residential buildings.
- Chapter 12 : Planning of industrial structures.
- Chapter 13 : Planning of public buildings.
- Chapter 14 : Gives various important miscellaneous topics which are connected with the subject of civil engineering drawing, building planning and town planning.

### **PART II: COMPUTER AIDED BUILDING DRAWING**

Chapter 15 : This chapter gives introduction to computer aided drafting with many self-interactive and self-learning practice modules.

It is hoped that the book will satisfy the needs of the students preparing for the Degree examinations in Civil Engineering and Architecture of almost all the Indian Universities, Diploma examinations conducted by various Boards of Technical Education, Certificate courses as well as for the A.M.I.E., U.P.S.C., G.A.T.E., I.E.S. and other similar competitive and professional Examinations. It should also be of an immense help to the practising Civil Engineers.

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