

# GE16 Engineering Drawing

## Part 1 Lessons

### CE 104 A Building Drawing

Password--- iqytechnicalcollege

#### Lecture Powerpoints + Audio Lessons

CE104 Building Drawing Part 1

[http://www.filefactory.com/file/77wkcuklgskx/n/CE104\\_Building\\_Drawing\\_Part\\_1\\_zip](http://www.filefactory.com/file/77wkcuklgskx/n/CE104_Building_Drawing_Part_1_zip)

CE104 Building Drawing Part 2

[http://www.filefactory.com/file/lzzpq7iqrqz/n/CE104\\_Building\\_Drawing\\_Part\\_2\\_zip](http://www.filefactory.com/file/lzzpq7iqrqz/n/CE104_Building_Drawing_Part_2_zip)

CE104 Building Drawing Part 3

[http://www.filefactory.com/file/7f6ps1ngpedn/n/CE104\\_Building\\_Drawing\\_Part\\_3\\_zip](http://www.filefactory.com/file/7f6ps1ngpedn/n/CE104_Building_Drawing_Part_3_zip)

CE104 Building Drawing Part 4

[http://www.filefactory.com/file/47xsj6bem5yx/n/CE104\\_Building\\_Drawing\\_Part\\_4\\_zip](http://www.filefactory.com/file/47xsj6bem5yx/n/CE104_Building_Drawing_Part_4_zip)

#### Study the notes

[http://www.filefactory.com/file/3fcoi50dd1xj/n/Civil\\_Engg\\_Part\\_13\\_pdf](http://www.filefactory.com/file/3fcoi50dd1xj/n/Civil_Engg_Part_13_pdf)

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#### ASSESSMENT (3)

- (1) Isometric drawing
- (2) Lettering

- (3) Working drawing
- (4) Blue print
- (5) Reproduction of drawings
- (6) Measured drawing
- (7) Floor plan
- (8) Room schedule
- (9) Plumbing drawing
- (10) Block plan

## References

Study basic building drawing notes in the given file and page numbers

[http://www.filefactory.com/file/2e9pdbutw5lp/n/Civil\\_Engg\\_Part\\_12\\_pdf](http://www.filefactory.com/file/2e9pdbutw5lp/n/Civil_Engg_Part_12_pdf)

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76-92	Drawing Lesson 13-15	Building Construction
93-100	Drawing Lesson 7-8	Building Construction

## **ASSESSMENT (4)**

After you have studied the Drawing Lesson 5-6, do the following exercise

What is meant by the following:

- (a) 1 : 500 scale.
- (b) Contract drawings.

**ASSESSMENT (5)**

After you have studied the Drawing Lesson 7-8, do the following exercise.

2. What is the meaning of the following:

- (a) Safe Bearing Value
- (b) Test bore
- (c) Encumbrances.

**ASSESSMENT (6)**

After you have studied the Drawing Lesson 9-10, do the following exercise.

TEST ASSIGNMENT

1. Prepare, on a sheet of white paper 500 by 350 the following drawings. They are to be in pencil, except for the main title which is to be in ink.
- (a) Detail Plan to a scale of 1 to 10 of the Bathroom area from the drawing on Plate 2 of this Paper. (Include the Pipe Duct and the adjacent Cupboard).
  - (b) A 1 : 5 scale detail of the drawing shown on Plate 4 of this Paper.
  - (c) A 1 : 2 scale detail of the sill shown on the "Section" on Plate 3 of this Paper. Show everything from the bottom rail of the sash to the bottom of that Section.
  - (d) Title: Add the following title at the bottom of the sheet, spaced as you think best:

BUILDERS' DRAWING  
TEST ASSIGNMENT No.9.  
Drawn by ..... (name)  
Date .....  
Scales .....

**ASSESSMENT (7)**

After you have studied the Drawing Lesson 11-12, do the following exercise.

Paper 10

TEST ASSIGNMENT

Assuming that you are required to prepare a combined schedule for Finishes and Painting of a large block of flats, set out on drawing paper approximately 375 x 250 the ruled layout of that schedule. Include at least four typical rooms with details filled in.

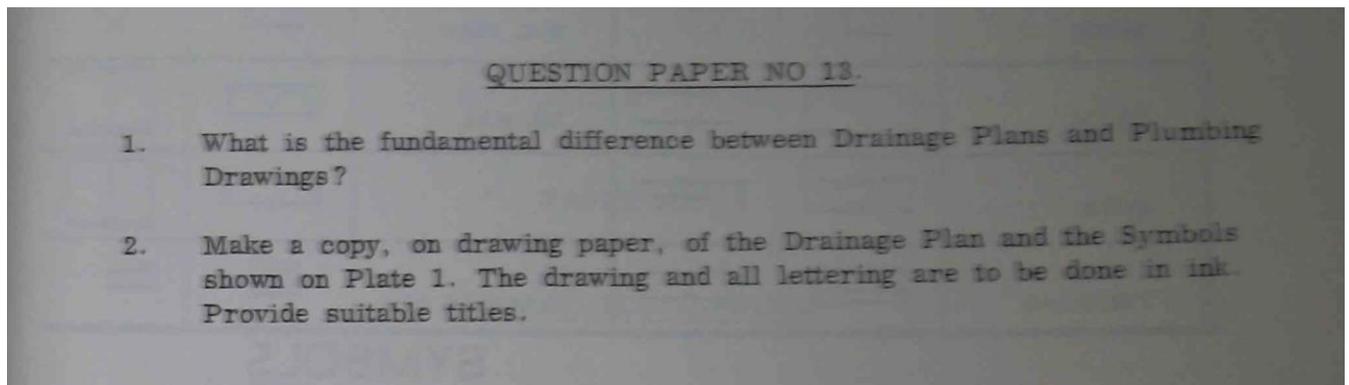
The sheet is to be prepared as you would actually do the job, with proper lettering and neat layout, all in pencil.

Place a title at the bottom of the sheet including the following information:

" BUILDERS' DRAWING  
PAPER No.10.  
SCHEDULE OF FINISHES AND PAINTING  
Drawn by ..... (name)  
Date ..... "

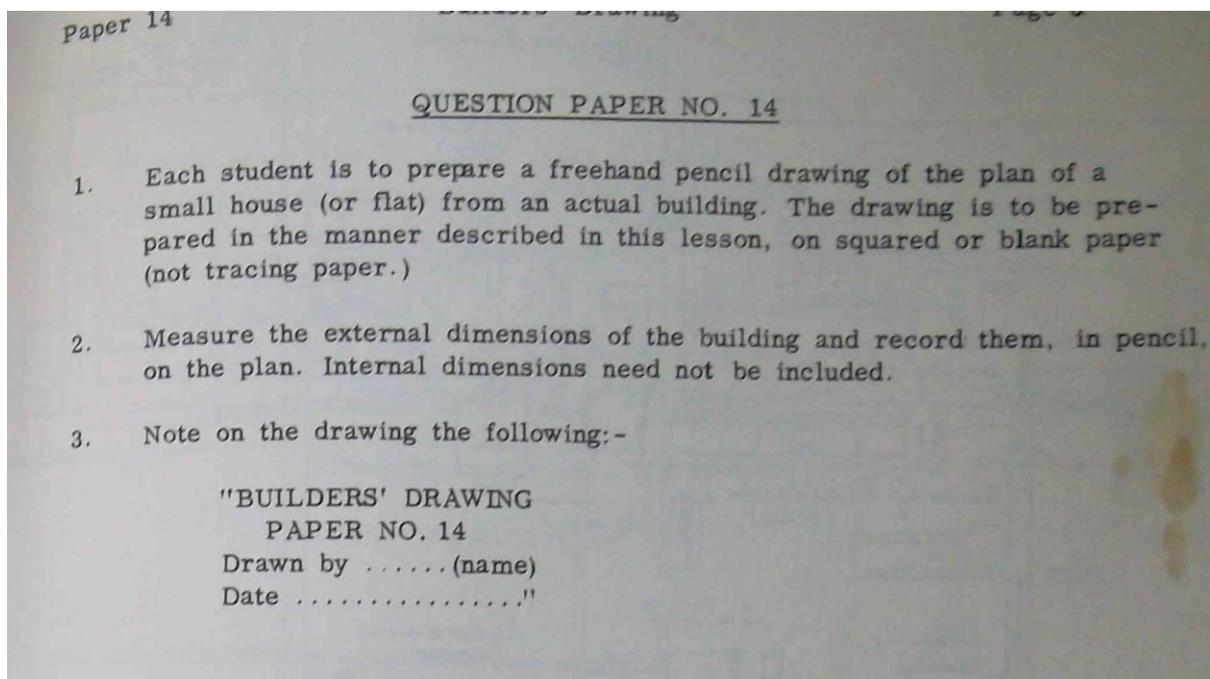
**ASSESSMENT (8)**

After you have studied the Drawing Lesson 13-15, do the following exercise.



### **ASSESSMENT (9)**

After you have studied the Drawing Lesson 13-15, do the following exercise.



## **Part 2 References**

[http://www.filefactory.com/file/2e9pbutw5lp/n/Civil\\_Engg\\_Part\\_12\\_pdf](http://www.filefactory.com/file/2e9pbutw5lp/n/Civil_Engg_Part_12_pdf)

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### Electrical Drawing

<http://www.filefactory.com/file/38bc90m65c21/ElectricalDrawing1.pdf>

<http://www.filefactory.com/file/6vIm9cvnw8pl/ElectricalDrawing2.zip>

<http://www.filefactory.com/file/27s5tbw9n0nh/ElectricalDrawing3.pdf>

### General Drawing

<http://www.filefactory.com/file/45fckx2imcv7/GeneralDrawing1.zip>

<http://www.filefactory.com/file/3kffyyg26asl/GeneralDrawing2.zip>