



## **Lesson 6 - Assignments**

**1. Look for a structural drawing plan of a building.**

- Identify the gridline system and the column locations
- Look for information on the floor structural system and framing
- See if the design loads are noted on the drawing and their area of application

**2. Find a structural drawing showing a reinforced concrete schedule.**

- Find the corresponding beam labels on the structural plan.
- Identify the size and reinforcement for each beam.
- Is there any notes or remarks regarding any of the beam labels? Concrete strength, cover to steel bars, upstand, especial instructions for anchorage or development length?

**3. Search for a free Building Information Model (BIM) viewer and open a sample model. Navigate the 3-D view tool and see if you can identify the structural members in the model.**

You can send your assignment answers to us at [info@structuralengineeringbasics.com](mailto:info@structuralengineeringbasics.com) along with some pictures. You can also post parts of your assignments to the Structural Engineering Basics Course Facebook Group to share with everyone.