



## DEPARTMENT OF CIVIL ENGINEERING INTEGRAL UNIVERSITY, LUCKNOW STRUCTURAL DETAILING LAB

The engineer should provide detailed arrangements of the structural members which may include plans, sections and elevations. By the process of structural detailing one can show all the structural elements in detail. This is usually done in sketch diagram with steel members being represented by a single line. All of these elements must be given a member size, orientation and design of their respective end connections.

Structural detailing is a critical process of structural engineering. Even a tiny error can lead to a loss of valuable time and money. Structural detailing is an important and mandatory process in all types of manufacturing and construction activities, such as erection of residential and commercial buildings, factories and institutes.

This detailing lab intends to outline practice of detailing of RCC and Steel members. Detailing of individual members are included in the respective experiments. This lab includes certain aspects in detailing as per the codes so student should be able to refer the IS codes (IS 456-200, IS 800 and IS13920) for detailing and drawing the RCC and Steel connections.

