

1 Introduction

1.1 Aims of the *Manual*

This *Manual* provides guidance on the design of reinforced concrete building structures. Structures designed in accordance with this *Manual* will normally comply with BS 8110.¹

1.2 Scope of the *Manual*

The range of structures and structural elements covered by the *Manual* is limited to building structures, using normal weight concrete and which do not rely on bending in columns for their resistance to horizontal forces. This will be found to cover the vast majority of all reinforced concrete building structures. For detailing rules the *Standard method of detailing structural concrete*² should be used.

For structures or elements outside this scope BS 8110¹ should be used.

1.3 Contents of the *Manual*

The *Manual* covers the following design stages:

- general principles that govern the design of the layout of the structure
- initial sizing of members
- reinforcement estimating
- final design of members.