

# MULTISTOREY BUILDINGS



**Modern  
Prefab Systems Pvt. Ltd.**

*Delivering Quality on time...*

## MULTISTOREY STEEL BUILDING

In the multi-storey building sector, the benefits of steel construction are largely related to the 'fast track' nature of the construction process, which leads to a wide range of financial and process benefits. Many innovations associated with the construction process have further improved these inherent benefits and have increased efficiency and productivity. This is very important in inner city projects where lack of space for storage of materials and other facilities, limitations on deliveries and logistics, planning constraints and means that a higher proportion of work should be done in the factory and less on site.

The benefits of steel in multi-storey construction arise mainly from its prefabricated nature, its lightweight and the ability to phase the various activities in series rather than in parallel. These benefits are explored in the following sections.

### SUSTAINABILITY OF MULTI-STOREY BUILDINGS

- » Efficient use of materials and responsible sourcing of materials.
- » Elimination of waste in manufacturing and in construction processes.
- » Energy efficiency in building operation, including improved air-tightness.
- » Measures to reduce water consumption.
- » Improvement in indoor comfort.
- » Overall management and planning criteria, such as public transport connections, aesthetics or preservation of ecological value.

### FINANCIAL VIABILITY

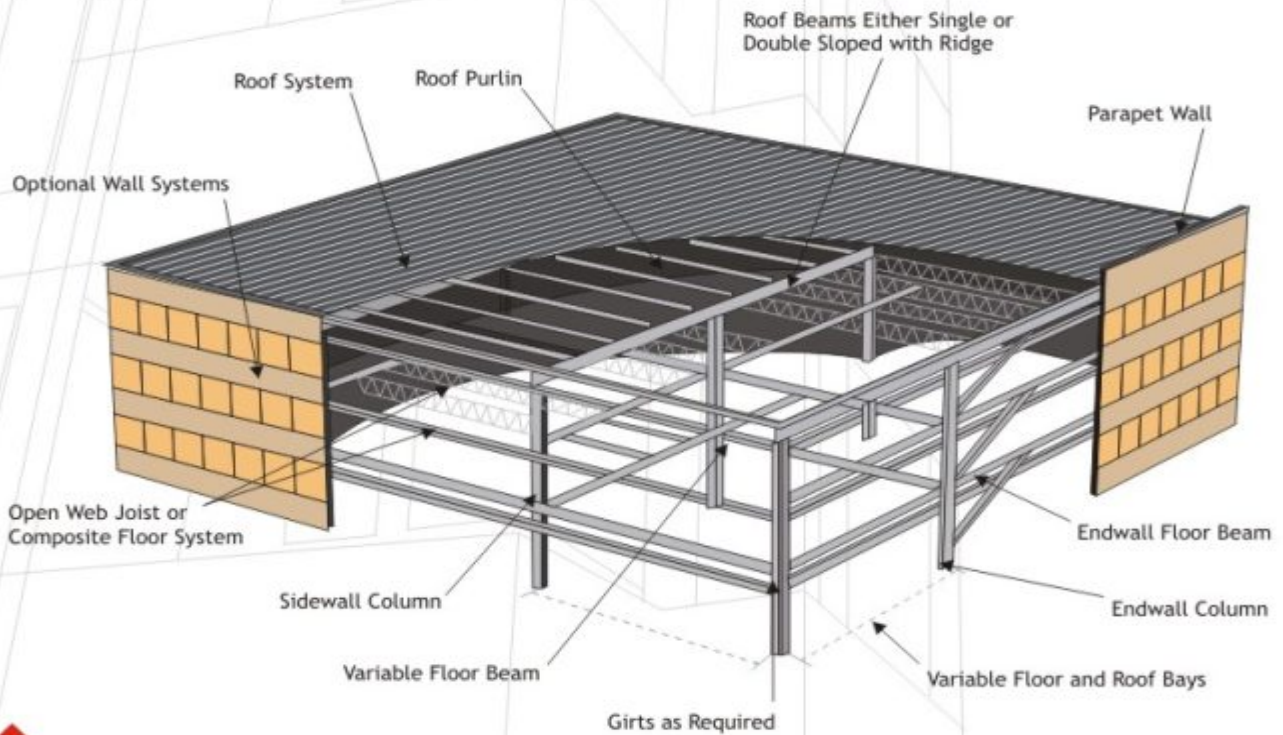
- » Early completion, which leads to reduced interest charges on the borrowed capital and to early return in terms of revenue.
- » Lower cash flow.
- » Reduced management costs on-site, due primarily to the shorter construction period, but also due to the fewer personnel employed.
- » Reduced higher costs of site facilities.
- » Greater certainty and less risk in the construction process.



## SOME OF THE RECOGNISED BENEFITS OF STEEL ARE:

- » Steel structures are robust, with a long life.
- » Properly detailed and maintained steel structures can be used indefinitely.
- » Approximately 10% of steel sections are re-used.
- » 95% of structural steel sections are recycled.
- » Steel products can potentially be dismantled and reused, particularly modular components or steel frames.
- » Steel structures are lightweight for use on poor ground or over tunnels.
- » Steel is manufactured efficiently in factory controlled processes.





**MODERN PREFAB SYSTEMS PVT. LTD.**

Plot No. 270, 271, 273, 274  
Sector -7, IMT Manesar  
Gurgaon – 122050  
(Haryana) India.

TEL: +91 (124) 4343700  
FAX: +91 (124) 4343743

info@modernprefabsystems.com  
www.modernprefabsystems.com

