Preface

This manual sets out the requirements for the design of steel composite and non-composite members and connections to resist the effects of fire and specifies the means of attaining the required fire resistance levels.

The design requirements are simple to use and will ensure uniform assessment of fire-protection systems while facilitating the design and checking of fire-protection systems.

The manual is based on a report prepared by Melbourne Research Laboratories of BHP—Report No. MRL/PS69/87/003.

ABSTRACT:

This report sets out the requirements for the design of steel composite and non-composite members and connections to resist the effects of fire and specifies the means of attaining the required fire-resistance levels.

The requirements are consistent with those being proposed for the Steel Structures Code but have been extended to cover composite members. A commentary is also included and provides background and examples to the requirements.


KEYWORDS: Fire-resistance, steel members, composite members, fire-protection, design requirements.

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