

Design Guide
Portal Frame Steel Sheds and Garages

compiled by

Australian Steel Institute
Steel Shed Group Committee

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This Guide applies to steel framed and predominantly steel clad sheds and garages designed and constructed in accordance with the National Construction Code using materials certified or tested to conform to Australian Standards



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Design Guide
Portal frame steel sheds and garages

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Neil Creek

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FOREWORD

The Steel Shed Group has produced this Guide to promote excellence in the design of steel sheds and garages, based on building regulations and Australian and New Zealand standards, and to encourage uniformity across all shed designers and manufacturers. NCC Classification and importance levels, design actions, analysis, design, testing, as well as other considerations such as good detailing, durability and corrosion are all covered.

The Cyclone Testing Station has a strong interest in encouraging a consistent and knowledgeable standard of design and construction of sheds to resist wind loads as part of an ongoing commitment to improve the resilience of low-rise buildings to severe winds. Therefore the use of this Guide is a perfect fit with the Station's mission to reduce and mitigate the risk and costs to communities from wind damage.

As Manager of the Cyclone Testing Station, my congratulations to the Steel Shed Group for producing this Guide. I also commend the use of this Guide to all those involved in the shed and garage industry, as doing so will reduce the risk of wind damage to these buildings and their contents and also lead to safer and more resilient communities.

Cam Leitch
Manager Cyclone Testing Station
James Cook University, Queensland



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