



Certification requirements for manufacturers of metal-plate-connected wood trusses



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Preface

This is the first edition of CSA S349, *Certification requirements for manufacturers of metal-plate-connected wood trusses*.

This Standard was prepared by the Working Group for Metal-Plate-Connected Wood Trusses, under the jurisdiction of the Subcommittee on Design Principles and the Technical Committee on Engineering Design in Wood, and the Strategic Steering Committee on Standards for Construction and Civil Infrastructure, and has been formally approved by the Technical Committee.

Notes:

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
- 3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
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 - a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
 - b) *provide an explanation of circumstances surrounding the actual field condition; and*
 - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

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 - a) *Standard designation (number);*
 - b) *relevant clause, table, and/or figure number;*
 - c) *wording of the proposed change; and*
 - d) *rationale for the change.*

CSA S349:20

Certification requirements for manufacturers of metal-plate-connected wood trusses

1 Scope

1.1

This Standard specifies the minimum certification requirements for facilities engaged in the manufacture of metal-plate-connected wood trusses designed in accordance with CSA O86 and TPIC in order to conform with industry standards.

1.2

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the Standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

1.3

The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only.

2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below.

CSA Group

O86:19

Engineering design in wood

Canadian Wood Truss Association (CWTA)

Truss Fabricator Guidelines on the Use of Fingerjoined Lumber in Metal Plate Connected Trusses (2012)