

A Method for the Automatic Generation of Timber Connection Patterns

M. H. Gedig

M.A.Sc, Chief Structural Engineer

AMEC Dynamic Structures 1515 Kingsway Port Coquitlam, B.C., Canada V3C 1S2

and

Dr. S. F. Stiemer

Dr.-Ing, P.Eng. Professor, Department of Civil Engineering,

University of British Columbia 2324 Main Mall Vancouver, B.C., Canada V6T 1Z4

ABSTRACT

This paper describes a method for the automatic rule-based generation of design alternatives for structural connections between timber members. Using this method, a computer program for generating a list of connection options for two timber members was created. Such a computer program may be useful to engineers, architects, and others involved in the design and detailing of timber frame structures.

KEYWORDS

Timber connection, automatic generation.
