

CAN3-S157-M83

STRENGTH DESIGN IN ALUMINUM

1. SCOPE

- 1.1** Part 1 of this Standard provides design requirements for all components made from wrought aluminum that are required to carry load.

2. ALUMINUM IN BUILDINGS**2.6 FABRICATION****2.6.1 General**

Fabrication practices shall follow those for steel, as in *CSA Standard CAN3-S16.1-M*, except as otherwise modified by this Standard.

2.6.2 Tolerances

Fabrication tolerances shall be in accordance with *CSA Standard CAN3-S16.1-M*, except as otherwise modified by this Standard.

2.6.6 Welding of Aluminum

2.6.6.1 All welding shall be done with an inert gas shielded arc process, either tungsten inert gas (TIG) or metal inert gas (MIG), to the requirements of *CSA Standard W59.2*

2.6.6.2 Welding operators and procedures used shall be qualified to *CSA Standard W47.2*.