

Surface Foundations

CSA Z240.10.1 is a National Standard covering site preparation, foundations, and anchorage of modular or manufactured homes and other homes/buildings that are deformation resistant foundations allowable under CSA Z240.10.1 are uniquely designed to bear on surface footings.

All of those foundations are considered permanent, and that is clearly stated in Z240.10.1. That Standard further describes the conditions under which ground anchorage is required and that requirement is based on the ability of each home to resist 1/50 wind pressures found in the area where each home is sited. Those wind pressures are found in a Table in the National Building Code (NBC) or the Alberta Building Code (ABC) as the case may be.

CSA National Standard Z240.10.1 also describes the types of anchorage that can be used when it is required, and goes on to indicate: 'When wind overturn calculations or local regulations require modular and/or manufactured homes to be anchored, the anchorage system should be based on the 'anchorage manufacturer's instructions'. In practice, under the provisions of CSA National Standard Z240.10.1 and with the exception of a couple of very high wind zones i.e. in the Crowsnest Pass area of Alberta, anchorage is not required to resist the regional wind pressures on any homes 16' wide or greater and set on surface piers no higher than 20", with a 'footprint' of no less than 24".

