

TALL WALL GENERIC ENGINEERED DETAILS

PURPOSE

To recognize the acceptability of the values within the “Guidelines for the Construction of Residential Tall Walls” prepared by Grubb Engineering Corporation.

DISCUSSION

Part 9 of the Alberta Building Code 2014 (ABC 2014) defines the maximum allowable heights for load bearing and non-load bearing walls. Table 9.23.10.1. specifies the requirements for exterior walls only up to 3.6 metres and for interior walls up to 4.2 metres in height. Walls exceeding the heights listed in the table must be individually engineered under Part 4 of the ABC 2014.

VARIANCE

This variance provides approximately equivalent or greater safety performance with respect to persons and property as that provided for by the Safety Codes Act and the ABC 2014.

The values for the maximum unsupported heights of walls referenced in Article 9.23.10.1. of the ABC 2014 are permitted to be determined using the values from:

Guidelines for the Construction of Residential Tall Walls (Revised January 2016)
(Amendment 1 – June 29, 2016) prepared by: Grubb Engineering Corporation
published by: The Alberta Housing Industry Technical Committee (AHITC)
available for purchase and distributed by:

BILD – Alberta (Building Industry and Land Development)
328, 9707-110 St.
Edmonton, AB T5K 2L9
Toll-Free Phone Number: 1-800-661-3348
Phone Number: 780-424-5890
Fax Number: 780-426-0128
Web: www.bildalberta.ca

This report is acceptable in place of project-specific engineering on a case-by-case basis, provided that the project-specific details for the tall wall construction SHALL appear on the drawings submitted for the building permit. Walls that do not meet the criteria for the “Guidelines for the Construction of Residential Tall Walls” will still need to have site-specific engineering on a case-by-case basis.

This VARIANCE is applicable throughout the province of Alberta.

Unless stated otherwise, all Code references in this STANDATA are to Division B of the Alberta Building Code 2014.

Issue of this STANDATA is authorized by
the Building Administrator

[Original Signed]
Paul Chang

