

MUNICIPALITY OF ANCHORAGE



Community Development Department
Development Services Division

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MEMORANDUM

DATE: April 11, 2013

TO: Building Board of Regulation Examiners and Appeals
Appellant - Colony Builders

FROM: *SAW* Sharen Walsh, P. E.
Deputy Director, Development Services & Building Official

SUBJECT: BCA1-2013 Appeal of Alternate Means Disapproval
Permit R12-2339/X13-1116

The 3-member panel for Civil/Structural issues, consisting of Jon Hawkinson, Sterling Stratt, and Troy Feller, met on April 10, 2013 to hear the subject appeal. The appeal was a request to use a reduced safety factor of 2.0 (from the currently accepted 3.5) for determining eave blocking capacity. This results in an increased allowed shear transfer load of 125 plf (versus 70 plf currently allowed by RD.13).

After hearing the presentation of staff and the appellant, the Board granted the appeal allowing the factor of safety to be decreased. Because of clarification during testimony, the factor of safety of 2.0 applies only to wind design; a separate factor of safety of 2.8 will be applied to seismic design.

The department will honor the decision by revising Handout RD.13, Option 5. In keeping with nominal capacity approach used by NDS Special Design Provisions for Wind and Seismic (NDS SDPWS), the revised description will read:

- This partial-height blocking configuration may be used for unblocked diaphragms where nominal diaphragm shear is less than 250 plf ($O_w=2.0$, $O_{E0}=2.8$). The diaphragm shear must be checked by the designer through parallel calculations for both wind and seismic conditions. Blocking is required in every truss space. Chord members and drag elements shall be specifically detailed for load transfer to the supporting wall.

Jon Hawkinson
Jon Hawkinson
Date: 4-12-13

Sterling H. Stratt
Sterling Stratt
Date: 4-11-13

Troy Feller
Troy Feller
Date: 4-11-13