

RESOLUTION NO. 2010-053

**A RESOLUTION OF THE
BOARD OF COUNTY COMMISSIONERS OF OURAY COUNTY, COLORADO
ADOPTING A CORRECTED "OURAY COUNTY SNOW LOAD DESIGN STANDARDS" TABLE**

WHEREAS, after public notice and a hearing on December 6, 2010, the Board of County Commissioners of Ouray County, Colorado ("Board") adopted by Resolution No. 2010-018 the International Residential Code, 2006 Edition, that included an Appendix "B" entitled "Ouray County Snow Load Design Standards" ("Appendix B"); and

WHEREAS, the Board has been informed by the Ouray County Building Official that there was an error in the formula as contained in Appendix B; and

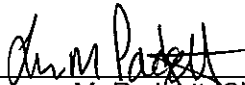
WHEREAS, the Building Official requests that the Board adopt the corrected Appendix B for snow load design standards in Ouray County to replace the Appendix B as attached to Resolution 2010-018;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF OURAY COUNTY, COLORADO, AS FOLLOWS:

1. The "Ouray County Snow Load Design Standards" as attached hereto are approved and shall replace Appendix "B" as attached to Resolution 2010-018 and shall be applied on and after the effective date as set forth in such Resolution.

APPROVED AND ADOPTED THIS 13th DAY OF DECEMBER, 2010.

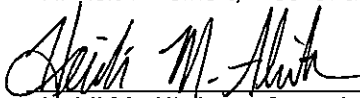
BOARD OF COUNTY COMMISSIONERS
OF OURAY COUNTY, COLORADO



Lynn M. Padgett, Chair

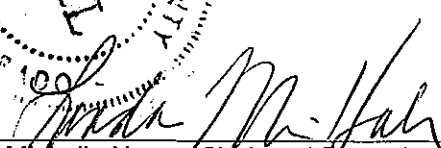


K. Keith Meinert, Vice-Chair



Heidi M. Albritton, Commissioner





Michelle Nauer, Clerk and Recorder
By: Linda Munson-Haley, Deputy Clerk of the Board

APPENDIX B

OURAY COUNTY SNOW LOAD DESIGN STANDARDS

The building designer will calculate the snow load with the equation shown below. **The Snow Load Table may also be used in lieu of the formula.** Ouray County does not have information on site specific elevation of building sites. Please refer to your site plan survey for site elevations.

Equation is from the Snow Load Design Data publication prepared by the Structural Engineers Association of Colorado.

Note: Ouray County does not allow reductions for basic snow load designs.

S = Design roof snow load in pounds per square foot

K = 5 in all areas of Ouray County

A = Altitude in thousands of feet (site elevation divided by 1000)

$$S=32 \left[\frac{(A - K/2)^2}{(K + 12)} \right]$$

EXAMPLE: Site Elevation @ 7500'

$$S=32 \left[\frac{(7.5 - 5/2)^2}{(5 + 12)} \right] \quad S=32 \left[\frac{25}{17} \right] \quad S=32 \times 1.47 \quad S=47 \text{ lbs/sf}$$

EXAMPLE: Site Elevation @ 9200'

$$S=32 \left[\frac{(9.2 - 5/2)^2}{(5 + 12)} \right] \quad S=32 \left[\frac{44.9}{17} \right] \quad S=32 \times 2.6 \quad S=83 \text{ lbs/sf}$$

SNOW LOAD TABLE

<u>ELEVATION</u>	<u>SNOW LOAD</u>	<u>ELEVATION</u>	<u>SNOW LOAD</u>
6,500	30#	9,500	93#
7,000	39#	10,000	106#
7,500	47#	10,500	121#
8,000	57#	11,000	136#
8,500	68#	11,500	153#
9,000	80#		