Ordinance No. 6042

AN ORDINANCE AMENDING THE CLIMATIC TABLE IN THE INTERNATIONAL BUILDING CODE BY AMENDING SECTION 15.12.580 OF THE RAPID CITY MUNICIPAL CODE

WHEREAS, on November 17, 2014, the Common Council approved Ordinance 6017 adopting the 2012 International Building Code in Section 15.12 of the Rapid City Municipal Code; and

WHEREAS, R.C.M.C. 15.12.580 sets forth a Climatic and Geographic Design Criteria Table to be applied to structures within Rapid City to which the International Building Code applies; and

WHEREAS, local engineers have identified some changes to the Climatic Table to ensure that structures designed and built in accordance with the International Building Code are suitable for the unique climatic and geographic circumstances and conditions found in Rapid City; and

WHEREAS, the Common Council believes it to be in the best interests of the City of Rapid City to amend R.C.M.C. 15.12.580 to adopt those recommendations from local engineers concerning the Climatic Table.

NOW THEREFORE, BE IT ORDAINED by the City of Rapid City, that Section 15.12.580 of the Rapid City Municipal Code is hereby amended to read in its entirety as follows:

15.12.580 Appendix A, Table 100-B, Climatic and geographic design criteria– ~~adopted~~Amended.

When a provision in this code refers to a climatic condition or general condition found below, the following table shall be used, to the extent that it applies:

APPENDIX A:

TABLE 100-B CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

Ground Snow Level	*Wind Speed*	*Seismic Design Category*	*Subject to Damage From*			*Winter Design Temperature*	*Ice Barrier Underlayment Required*	*Flood Hazards*	*Air Freezing Index*	*Mean Annual Temp*
			Weathering	*Frost Line Depth*	*Termite*					
42 psf[1]	~~90~~ 115[2]	~~B~~See footnote[3]	Moderate	42"	None to slight	-7	Yes	June 2013	1548	48°F

[1] The ground snow load for Rapid City shall be 42 psf and as per ASCE 705.

[2] Wind loads shall be in accordance with Chapters 26 to 30 of ASCE 7-10 and shall be based upon the Occupancy Category of the building under design. Buildings shall at a minimum be designed to Occupancy Category II having an ultimate wind speed velocity of 115 mph.

[3] Seismic loads shall be in accordance with Section 1613 of IBC 2012 and ASCE 7-10. In the absence of specific site information, the building shall be designed in accordance with the following:

Short Period Acceleration (S_s) = 0.125 g
1-Second Period Acceleration (S_1) = 0.043 g
Site Class = D

CITY OF RAPID CITY

_____
Mayor

ATTEST

_____
Finance Officer

(seal)

First Reading:
Second Reading:
Published:
Effective: