

# Design Element Criteria for Heber City effective code 2015 I-Codes

GROUND SNOW LOAD	WIND DESIGN		SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed(mph) (3-sec. gust)	Topographic effects		Weathering	Frost line depth	Termite					
Varies (see chart)	115	C	D	N/A	36"	N/A	4°-94°	YES	FIRM 3/15/2012	99%	44.4°

All engineering documents must provide site specific Longitude and Latitude and elevation with the response acceleration values for SDs and SD<sub>1</sub>

Soil site class D will be assumed unless conditions appear to warrant a soils report for the site.

The engineering needs to be clear, calculated values and schedules in engineering packets must match the values and schedules shown on plans.

<i>Wasatch County (1608.1.2)</i>		<b>Snow Load Table</b>	
	Heber elevation range in shaded area.		
Use State Snow Load Formula			
$P_g = (P_o^2 + S^2(A-A_o)^2)^{0.5}$		Pf= minimum flat roof load	
$\frac{P_o}{86}$	$\frac{S}{63}$	$\frac{A_o}{5.0}$	
<u>Elevation</u>	<u>A</u>	<u>P<sub>g</sub></u>	<u>Pf min.</u>
5000	5.0	86.0	60.2
5100	5.1	86.2	60.4
5200	5.2	86.9	60.8
5300	5.3	88.1	61.6
5400	5.4	89.6	62.7
5500	5.5	91.6	64.1
5600	5.6	93.9	65.8
5700	5.7	96.6	67.7
5800	5.8	99.7	69.8
5900	5.9	103.0	72.1
6000	6.0	106.6	74.6
6100	6.1	110.4	77.3
6200	6.2	114.5	80.2
6300	6.3	118.8	83.1
6400	6.4	123.2	86.2
6500	6.5	127.8	89.4
6600	6.6	132.5	92.8
6700	6.7	137.4	96.1
6800	6.8	142.3	99.6
6900	6.9	147.4	103.2
7000	7.0	152.6	106.8