



Building Department

P O Box 1907, Twin Falls, Id 83303

208-735-7238



Design Criteria for Commercial Construction in the jurisdiction of the City of Twin Falls

*****Effective January 1st, 2018*****

(See additional website links at bottom of last page)

Locally-adopted codes

- 2017 National Electrical Code (with Idaho State amendments)
- 2017 Idaho State Plumbing Code/website link: (see link on 2nd page/2017 Idaho State Plumbing Code)
- 2015 International Building Code (with Idaho State amendments)
- 2015 International Fire Code (see link at bottom of 2nd page)
- 2015 International Existing Building Code
- 2015 International Energy Conservation Code (with Idaho State amendments)
- 2012 International Mechanical Code (with Idaho State amendments)
- 2012 International Fuel Gas Code (with Idaho State amendments)
- 2009 ICC A117.1-2009 Accessible and Usable Buildings and Facilities
- 1997 Uniform Code for the Abatement of Dangerous Buildings (per local ordinance)

Other criteria

- Wind speed – Designed per section 1609 of 2015 IBC ($V_{ult}=(105 \text{ mph})$ Category I, (115mph) Category II, and (120 mph) Category III and IV)
- Wind exposure – “B” (“C” in some areas)
- Ground snow load – 15 psf
- Roof snow load – per IBC, but Section 1608 is amended to include that the minimum uniformly distributed design load shall be 25 psf. Table 1607.1 is amended to require a minimum uniform live load of 40 psf in habitable attics and sleeping rooms
- Seismic criteria –Per section 1613 of IBC <https://earthquake.usgs.gov/designmaps/us/application.php>
- Frost depth – 24 inches
- Presumed soil bearing pressure–1500psf for “allowable stress design”; others to comply with chapter 16.
- Climate Zone – 5B



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**Design Criteria for Residential Construction in the jurisdiction of the City of Twin Falls
(One- and Two- Family Dwellings and Townhouses)**

*****Effective January, 1st 2018*****

(See additional website links at bottom of page)

Locally-adopted codes

2012 International Residential Code, Parts I-VI and IX, appendices A, B and G (with State amendments).

2015 International Energy Conservation Code (with Idaho State amendments; 2012 IECC design)

2017 National Electrical Code (with State amendments)

2017 Idaho State Plumbing Code/website:

https://dbs.idaho.gov/programs/plumbing/publications/2017_Idaho_State_Plumbing_Code.pdf

Other criteria

- Wind speed – 90 mph 3 sec. gust velocity
- Wind exposure – “B” (“C” in some areas)
- Seismic design category – “B” (IRC Structures Only-See Commercial Design Criteria for IBC)
- Presumed soil bearing pressure – 1500psf without soils investigation
- Frost depth – 24 inches
- Climate zone – 5B
- Winter heating design temperature is 2 degrees (99% dry bulb)
- Snow load – Ground snow load 15 psf. Minimum uniformly distributed design roof load shall be 25 psf per local ordinance.
- Table R301.5 is amended to require a minimum uniform live load of 40 psf in habitable attics and sleeping rooms.
- Foundations with stem walls shall be provided with a minimum of one # 4 bar at the top of the wall and one #4 bar at the bottom of the footing. #4 vertical bars are required at 6 feet on center.
- *Basement walls* to have one #4 horizontal bar at 4 feet on center. One #4 bar is also required horizontally and vertically around openings, extending 2 feet beyond the opening. One #4 bar to be placed diagonally at corners of openings subject to cracking. Vertical bars installed per IRC.
- Unvented fuel-burning appliances are not allowed.
- 30” minimum crawl space depth measured from bottom of floor joist (per local resolution)

State-adopted codes and other code links

Idaho Division of Building Safety Statutes and Rules

<http://dbs.idaho.gov/rules/current.html>

Idaho State Fire Marshal (DOI)

<https://doi.idaho.gov/sfm/Prevention/Statutes>

Idaho Manufactured Home Installation Standards

<https://dbs.idaho.gov/programs/manufactured/>

ICC Free e-Codes

<https://codes.iccsafe.org/public/>