



CITY OF GOOSE CREEK

BUILDING INSPECTION BUREAU

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General Design Criteria for Construction in the City of Goose Creek

- The International Building Code (IBC) 2018 Edition*
- The International Residential Code (IRC) 2018 Edition for One- and Two-Family Dwellings and Townhouses*
- The International Mechanical Code (IMC) 2018 Edition*
- The International Energy Conservation Code (IECC) 2009 Edition*
- The International Fire Code (IFC) 2018 Edition*
- The International Existing Building Code (IEBC) 2018 Edition*
- The International Plumbing Code (IPC) 2018 Edition*
- The International Fuel Gas Code (IFGC) 2018 Edition*
- The National Electric Code (NEC) 2017 Edition*
- The 8th Edition of the Manual J

*All codes adopted above are with South Carolina Modifications.

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATGEORY	SUBJECT TO DAMAGE FROM			Winter Design Temperature	Ice Breakers Underlayment Required	Flood Hazard	Air Freezing Index	Mean Annual Temperature
	Speed (mph)	Topographic effects	Special Wind Region	Wind Borne Debris Region		Weathering	Frost Line Depth	Termite					
5	140+ mph	No	No	Yes	Residential D2 Commercial D	Modest	12"	Moderate to Heavy	32	Yes	Yes	30	64.8

****Wind Speed:**

Residential Construction: will be based off the SC LLR Maps that are available at [https://llr.sc.gov/bcc/PDFfiles/WSMaps/Berkeley%2015\(Mays\).pdf](https://llr.sc.gov/bcc/PDFfiles/WSMaps/Berkeley%2015(Mays).pdf)

Commercial Construction: will be based on the ATC Hazards by Location website available at: <https://hazards.atcouncil.org/#/>

Please be advised that the Building Official has the authority to determine the wind speed for each location.

Manual J Design Criteria							
Location: Charleston Intl AP, SC, US							
Elevation	Latitude	Winter Heating	Summer Cooling	Altitude Correction Factor	Indoor Design Temperature	Design Temperature Cooling	Heating Temperature Difference
49	33	28	92	1.0 (405)	75	75	40
Cooling Temperature Difference	Wind Velocity heating	Wind Velocity Cooling	Coincident Wet bulb	Daily Range	Winter Humidity	Summer Humidity	
17	15	7.5	77	16 (M)	50	50	