



CITY OF GOOSE CREEK

BUILDING INSPECTION DIVISION

GENERAL DESIGN CRITERIA FOR CONSTRUCTION WITHIN THE CITY OF GOOSE CREEK

THURMAN N PELLUM JR, Chief Building Official

Building codes are the latest edition of the International Codes, with SC modifications (<https://llr.sc.gov/bcc/PDFfiles/2021-Modification-index.pdf>), as adopted by the state of South Carolina, available at: <https://llr.sc.gov/bcc/>. Other codes include the latest edition of the *A117.1 Accessible and Usable Buildings and Facilities*, *NFPA 70/National Electric Code*, and the **South Carolina Energy Standards Act** that is based on the *2009 Edition of the IECC* and *ASHRAE 90.1*.

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BRAEK UNDER-LAYMENT REQUIRED	FLOOD HAZARD	AIR FREEZE INDEX	MEAN ANNUAL TEMPERATURE
	WIND SPEED	TOPOGRAPHIC EFFECTS	SPECIAL WIND REGION	WIND BORNE DEBRIS		WEATHERING	FROST LINE DEPTH	TERMITE					
5	140+ MPH	NO	NO	YES	Residential D2 Commercial D	Modest	12"	Heavy	32 F	Yes	Yes	30 F	68.4 F

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

Residential construction will be based on the SC LLR approved maps available at: <https://llr.sc.gov/bcc/maps.aspx>.

Be advised, the Building Official has the final authority to determine the wind speed at any location.

MANUAL "J" DESIGN CRITERIA							
LOCATION: CHARLESTON INTERNATIONAL AIRPORT, SC, US							
ALL TEMPERATURES ARE REFERENCED IN DEGREES FAHRENHEIT							
ELEVATION	LATITUDE	WINTER HEATING	SUMMER COOLING	ALTITUDE CORRECTION FACTOR	INDOOR DESIGN TEMP	DESIGN COOLING TEMP	HEATING TEMP DIFFERENCE
49	33	28	92	1.0 (405)	75	75	40
COOLING TEMP DIFFERENCE	WIND VELOCITY HEATING	WIND VELOCITY COOLING	COINCIDENT WET BULB	DAILY RANGE	WINTER HUMIDITY	SUMMER HUMIDITY	
17	15	7.5	77	16	50	50	