



# Town Of Ocean City Maryland

## CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

### Requirements For Commercial and Residential Permits

TABLE R301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA													
GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed (mph)	Climate Zone	Wind Exposure Category	Soil Site Class		Weathering	Frost Line Depth	Termite					
20 PSF	128 MPH	4A	D	D	A	Severe	18"	Moderate	17°F	NO	CHAPTER 38	<1500 (250)	57.65°F

IBC CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA													
GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed (mph)	Climate Zone	Wind Exposure Category	Soil Site Class		Weathering	Frost Line Depth	Termite					
20 PSF	Category I-120MPH Category II-128MPH Category III-140MPH	4A	D	D	A	Severe	18"	Moderate	17°F	No	CHAPTER 38	< 1500 (250)	57.65 °F

**Winter Design Temp:**

- Interior spaces intended for human occupancy shall be provided with an indoor temperature of not less than 68° F at a point 3 feet above the floor on the design heating day
- System design shall be based on max 72° F heating, minimum 75° F cooling
- Degree days (Maryland-Baltimore) 4,654, Winter Design Temp 13° F, Dry Bulb 91° F, Wet Bulb 77° F (2018 IPC Appendix D)
- As per Chapter 16 section 1609 and ASCE 7 2016, Climate Zone 4A, wind exposure category and surface roughness is D