TABLE R301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY [f]	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP [e]	ICE BARRIER REQUIRED [h]	FLOOD HAZARDS [g]	AIR FREEZING INDEX [i]	MEAN ANNUAL TEMP [j]
	Speed [d] (mph)	Topographic effects [k]	Special wind region [l]	Wind-born debris zone [m]		Weathering [a]	Frost line depth [b]	Termite [c]					
20	130vult	no	no	1 MILE FROM COAST AND FI	B	SEVERE	BOF 3 FT BFG	MOD TO HEAVY	SEE BELOW	YES	CALL PLANS EXAMINERS OFFICE	599	51

Climate zone is 4a

IBC CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY [f]	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP [e]	ICE BARRIER REQUIRED [h]	FLOOD HAZARDS [g]	AIR FREEZING INDEX [i]	MEAN ANNUAL TEMP [j]
	Speed [d] (mph)	Topographic effects [k]	Special wind region [l]	Wind-born debris zone [m]		Weathering [a]	Frost line depth [b]	Termite [c]					
20	130vult	no	no	1 MILE FROM COAST AND FI	B	SEVERE	BOF 3 FT BFG	MOD TO HEAVY	SEE BELOW	YES	CALL PLANS EXAMINERS OFFICE	599	51

Climate zone is 4a

INTERIOR SPACES INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH INDOOR TEMPERATURE OF NOT LESS THAN 68 DEGREES FARENHEIT AT A POINT 3 FEET ABOVE THE FLOOR ON THE DESIGN HEATING DAY (2015 IMC 309.1)
SYTEM DESIGN SHALL BE BASED ON MAX 72 DEGREES HEATING, MINIMUM 75 DEGREES COOLING
DEGREE DAYS (NY LAGUARDIA) 4811, WINTER DESIGN TEMP 15, DRY BULB 89, WET BULB 75 (2015 IPC APPDX D)
Also as per 2015 IBC Chapter 16 section 1609 and ASCE 7 - wind exposure category and surface roughness is B. Use C for both south shore and Fire island.

TOWN OF ISLIP IS WITHIN A HURRICANE PRONE REGION