

Certificate

Certified Passive House Classic



30 Jericho Executive Plaza,
Suite 500W, Jericho
NY11753

Authorised
by:



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Germany

HANAC Corona Gardens (Senior Residence) 54-17 101st Street, Corona, 11368 New York, USA



Client	HANAC 27-40 Hoyt Ave S., Astoria 11102 New York, USA
Architect	Think 1 Metrotech Center North, 6th Floor, Brooklyn 11201 New York, USA
Building Services	NY Engineers 3 East 54th Street, 7th Floor 10022 New York, USA
Energy Consultant	Association for Energy Affordability 105 Bruckner Blvd, Bronx 10454 New York, USA

Passive House buildings offer excellent thermal comfort and very good air quality all year round. Due to their high energy efficiency, energy costs as well as greenhouse gas emissions are extremely low.

The design of the above-mentioned building meets the criteria defined by the Passive House Institute for the 'Passive House Classic' standard:

Building quality	This building	Criteria	Alternative criteria
Heating	Heating demand [kWh/(m ² a)]	13 ≤ 15	-
	Heating load [W/m ²]	15 ≤ -	10
Cooling	Cooling + dehumidification demand [kWh/(m ² a)]	13 ≤ 19	19
	Cooling load [W/m ²]	14 ≤ -	12
	Frequency of excessively high humidity [%]	6 ≤ 10	
Airtightness	Pressurization test result (n ₅₀) [1/h]	0.4 ≤ 0.6	
Non-renewable primary energy (PE)	PE demand [kWh/(m ² a)]	115 ≤ 120	

The associated certification booklet contains more characteristic values for this building.

Certifier: Tomas O'Leary, Passive House Academy