

December 17, 2018

Wellesley Municipal Light Plant (WMLP)
Commercial Account Representative
Engineering Department
4 Municipal Way
Wellesley, MA 02481

Reference: WBA # 18209 Wellesley Office Park

Dear Madam/Sir,

WB&A has been retained by Hanover Company to provide MEP services for the above mentioned project.

The project will consist of 350 unit apartment, wood framed on top of a concrete podium. The residential portion of the building will be approximately 389,200 SF. The apartment units will be 900SF average. The podium area will be 61,200 SF and there will be a 6000 sf of retail under the podium, this is expected to be a café/restaurant of some sort. There will also have an attached precast parking garage that will be 7 levels – 625 parking spaces, this garage is intended to be naturally ventilated. The garage will be seven floors and the area is anticipated to be around 264,500SF. The common space plus amenity will account for 38,300SF.

Based on the calculations the project load will be 3589kW and it will require 10,000amps at 120/208V, 3phase, 4 wire service. There will be 1-2000amp, and 2-4000amp switchboards. A 2500 amp feeder shall serve one hundred seventy five apartments. Two risers will be required to feed all three hundred fifty apartment units.

All apartments, restaurant/retail will be separately metered. There will be a house meter to feed the common area loads.

Loads are calculated as follows:

House Load includes Garage:

Lighting.....	585 kw
Small Appliances Load.....	1,015kW
Air Conditioning.....	1,470kw
Range Loads.....	2,800kW
Dryer Loads.....	1,750kW
Misc. Load.....	175kw
Site Lighting.....	10 kw
Elevators: 5@60hp.....	300 kw

Car Charging: 10@8 kw each..... 60 kw
Restaurant510kW

Sub Total.....8,685kW

The diversified/demand load is anticipated to be 3,589kW. There will be two - 4000amps and 1-2000amps switchboard both rated 120/208volt, 3phase, 4 wire to feed the building.

Please issue a “will serve” letter so that the client can secure financing.

Should you have any question, please feel free to contact me at 781-826-4144

Sincerely,

Salim Afsar

Salim Afsar, P.E.
Electrical Director