Estimated Service Size

Description	Connected Load (kW)	Demand (kW)	Demand Factor
1315 Bough Beeches			
Estimated Mechanical Loads	220	132	60
Fire Pump (1x50hp)	54	54	100
Elevators (2x30hp)	66	52.8	80
Lighting	23	23	100
EV Charging (144@2KW)	288	288	100
Total Residential Basic Loads		317.48	per OESC
Total Residential Heat Pump Loads		1213.056	per OESC
Residential Suites Loads		1530.536	per OESC
Total		**2080.336**	
Amps @600V		2001.86	
Main Service Size @ 600V		**2500A**	

Anticipated Demand Load

Description	Demand (kW)	
1315 Bough Beeches		
Residential Loads (144units)	576	4kW/unit
EV Charging (144 spots)	288	2kw/spot
Total	**864**	
Amps @600V	831.41	

Basic Load based on OESC 8-202 1)	
Load Description	**Load (W)**
Basic Load First 45 m2	3500
Basic Load Second 45 m2	1500
Basic Load More than 90 m2	1000
Basic Load Next 90 m2	1000
Electric Range	6000
Clothes Dryer @ 25%	750
Water heater	4500

Suite Loads Calculation based on OESC 8-202 3)		
Load Description		**Load (W)**
100% of the Largest unit		17250
65% of next 2 Largest units		22425
40% of next 2 Largest units		13800
25% of next 15 Largest units		54562.5
10% of the Remaining units		209450
Total Basic loads (W)		**317487.5**