3750 LAKE SHORE DRIVE, INC.
ELECTRICAL LOAD CALCULATION WORKSHEET

Conditions: Added wiring to an existing service in a single family dwelling. (i.e.: Renovation, Kitchen Remodel, Laundry Equipment Added, HVAC Replacement/Upgrade, etc.) Based on NEC 220.83

The building has 3-phase 120V/208V service, however, each individual apartment may have either Single-Phase 120V/208V Service or 3-Phase 120V/208V Service.

Existing plus Added Loads (less HVAC)

	sq. ft. @ 3 watts sq. ft (for general lighting and receptacles)		watts
	Small Appliance Circuits @ 1500 watts ea. **(Minimum is two)**		watts
	Electric Clothes Dryer **(Enter larger: 5,000 watts or nameplate rating)**		watts
	Laundry Circuit(s) @ 1500 watts ea. **(Minimum is one)**		watts
	Range **(Nameplate Rating)**		watts
	Cooktop **(Nameplate Rating)**		watts
	Oven **(Nameplate Rating)**		watts
	Dishwasher		watts
	Microwave Oven		watts
			watts
			watts
	Total Calculated Load (less HVAC)		**watts**

Compute the HVAC load and enter the LARGER of these air-conditioning or space heating loads.

#1 Air Conditioning Cooling Load (Volts X Amps = Watts)		watts
#1 Air Handler (Volts X Amps = Watts)		
#2 Air Conditioning Cooling Load (Volts X Amps = Watts)		
#2 Air Handler (Volts X Amps = Watts)		
Total Calculated Cooling Load		**watts**
OR (Radiant floor/ceiling heat, central electric furnace, electric baseboard heaters, etc.)		
Electric Space Heating Load (Volts X Amps = Watts)		watts
#1 Air Handler (Volts X Amps = Watts)		
#1 Humidifier (Volts X Amps = Watts)		
#2 Air Handler (Volts X Amps = Watts)		
#2 Air Humidifier (Volts X Amps = Watts)		
Total Calculated Heating & Humidification Load		**watts**

Service Demand

Total Computed Load (NEC 220.83)

	First 8kw of Total Calculated Load (less HVAC) @ 100%		watts
	Remainder of Total Calculated Load (less HVAC) @ 40%		watts
	HVAC Load @ 100% (Enter the larger of the Cooling or Heating Loads)		watts
	Calculated Service Load		**watts**

Ampacity for Single-Phase Service

Calculated Service Load		÷	Service Voltage		=	Minimum Service Ampacity
	watts	÷	208	volts		**amps**

OR

Ampacity for 3-Phase Service

Calculated Service Load		÷	Service Voltage		÷	3-Phase Factor	=	Minimum Service Ampacity
	watts	÷	208	volts	÷	1.73	=	**amps**

Existing Service: Singe Phase or 3-Phase (circle one), Main Breaker Size: _____amps, Number of Positions: _____
Condition: _____ , Meter Class (CL): _____ , Conductor Size: (Riser to Meter) _____ , (Meter to Panel) _____

Licensed Electrician's Name (Print) | Electrician's License No. & Issuing Municipality

Licensed Electrician's Signature | Date | Apartment

Revised: January 7, 2025