(Only for Service Ratings of 120/240V, 225 Amps Max) NEC Code 2020

Owner _____ Location _____

Total Floor Area of Dwelling (NEC 220.12) _____ SQFT.

Factor	Quantity	Volt Amperes (VA)
"General Lighting"		
1. General Lighting (SQFT X 3 VA/SQ FT (Table 220.12)	3 X sqft	
2. Small Appliance Circuits (1500 VA per circuit) (NEC 220.52(A)) (minimum 2)	1500 X	
3. Laundry Circuit (1500 VA per circuit) (NEC 220.52(B))	1500 X	
4. Total General Lighting Load (Add lines 1, 2 & 3)		
5. First 3000 VA @ 100%:		3000
6. Total General Lighting Load – 3000 =	@ 35%=	
7. Net General Lighting Load (Per NEC 220.42) (Add lines 5 & 6):		

*Fixed Appliances(if insufficient space, use back):	YES	NO	
☐ Garbage Disposal			
☐ Bathroom Fan			
☐ Microwave			
☐ Dishwasher			
☐ Other			
☐ Other			
		Total	
8. 3 or less Appliances, Total Appliance VA, 4 or more Appliances, 75% of Total Appliance VA (NEC 220.53)			

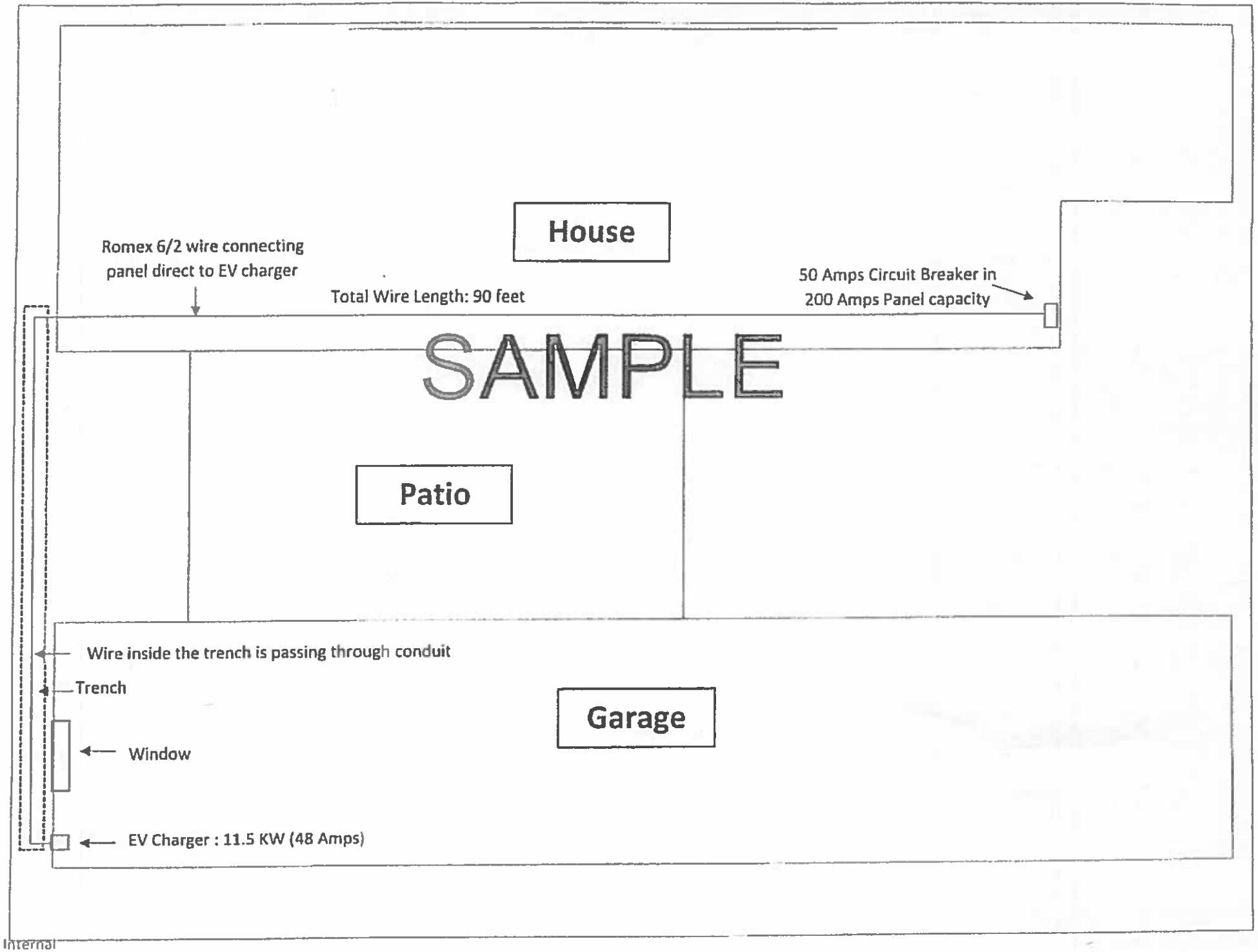
*Other Loads (including motors, EV charger(s), etc.)	YES	NO	Nameplate Rating (VA)
9. Electric Range (8000VA or Nameplate)**			
10. HVAC			
11. Electric Oven			
12. Electric Dryer (5000 VA minimum)**			
13. Electric Vehicle Charger			
14. Other:			
15. Other:			
16. 25% of largest motor (NEC 430.24)			

Total Service Load Volt-Amperes (VA) (Add lines 7, 8 & 9 thru 16) =

Total Service Load Volt-Amperes / 240-volts = Amperes

***Service Rating (Amperes)=

* For every "YES" answer, indicate VA rating of equipment
** Nameplate rating must be used if larger
*** Service Rating shall be greater than or equal to the Service load


House
Romex 6/2 wire connecting panel direct to EV charger
Total Wire Length: 90 feet
50 Amps Circuit Breaker in 200 Amps Panel capacity
SAMPLE
Patio
Wire inside the trench is passing through conduit
Trench
Garage
Window
EV Charger : 11.5 KW (48 Amps)