

ELECTRICAL LOAD CALCULATIONS DUE AT ROUGH ELECTRICAL INSPECTION:

JOB ADDRESS: _____

_____ sq. ft. @ 3 volt-amperes		_____ VA	_____ Awg
Two 20-amp small appliance small appliance circuits.....		_____ VA	_____ Awg
Laundry circuit.....		_____ VA	_____ Awg
Refrigerator.....		_____ VA	_____ Awg
Freezer.....		_____ VA	_____ Awg
Dishwasher.....		_____ VA	_____ Awg
Microwave oven.....		_____ VA	_____ Awg
Trash Compactor.....		_____ VA	_____ Awg
Garbage Disposal.....		_____ VA	_____ Awg
Garage door opener (if larger than ¼ hp.)		_____ VA	_____ Awg
Forced air unit.....		_____ VA	_____ Awg
Electric range 220 v.....		_____ VA	_____ Awg
Electric oven 220 v.....		_____ VA	_____ Awg
Clothes dryer 220 v.....		_____ VA	_____ Awg
Total.....		_____ VA	
1 st 10k VA @ 100%.....	_____ VA		
Remainder @ 40 %.....	_____ VA		
Total of load.....	_____ VA		
Air conditioning.....	_____ VA		
Pool equipment.....	_____ VA		
Total load.....	_____ VA		
# of Light & Receptacle Circuits 20 amp	_____		
# of Light & Receptacle Circuits 15 amp	_____		

_____ VA ÷ 240 V = _____ amperes (service rating)

EXAMPLE:

1500 sq. ft. @ 3 volt-amperes.....		4,500 VA	12 Awg
Two 20-amps. Small appliance circuits @ 1500 volt-amperes.....		3,000 VA	12 Awg
Laundry circuit.....		1,500 VA	12 Awg
One oven.....		8,000 VA	6 Awg
One cook top unit.....		5,100 VA	10 Awg
Water heater.....		4,500 VA	10 Awg
Dishwasher.....		1,200 VA	14 Awg
Dryer.....		5,000 VA	10 Awg
Total other load.....		32,000 VA	

of Light & Receptacle Circuit: Volts x Amps – Watts
 20 amp circuit
 2 x 2,400 – 4,800 watts
 15 amp circuit
 3 x 1800 – 5,400 watts

1 st 10k VA @ 100%.....		10,000 VA
Remainder @ 40% (22.8K VA x 4).....		9,120 VA
Total other load.....		19,120 VA

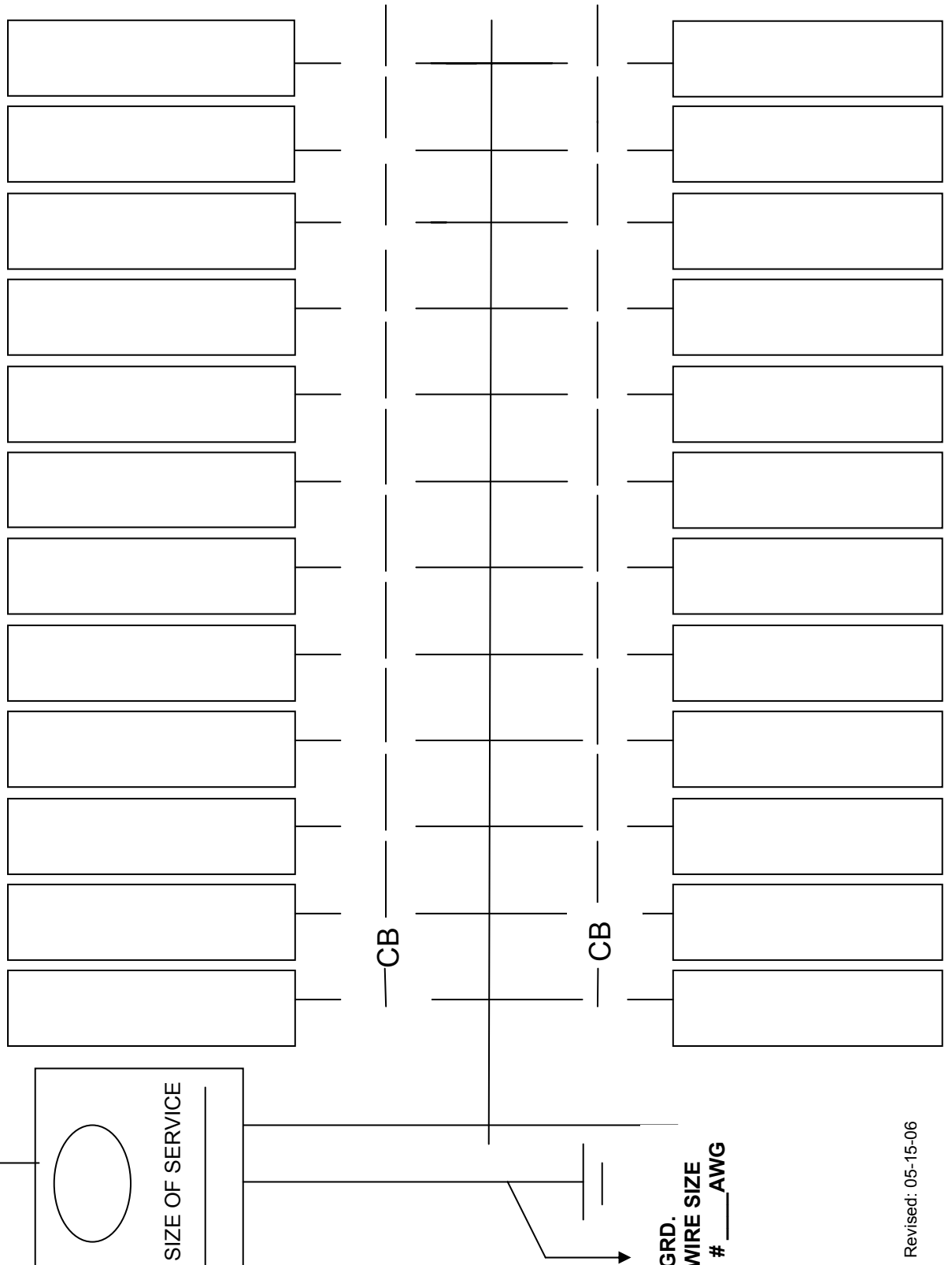
Other load..... 19,120 VA
 Air conditioning..... 10,080 VA
 29,200 VA – 29,200 volt-amperes

29,200 VA + 240 V - 122 amperes (service rating)

Typical Sizes
to be used:
100 amperes
125 amperes
200 amperes

Minimum size 125 amperes

SERVICE RISER SIZE AND FEEDERS _____ PIPE _____ WIRES AWG



LIGHTING	Fluorescent	Incandescent	Occupancy Sensor	Motion Sensor/Photo Cell
50/50 KITCHEN wattage				
BATH - MASTER				
BATH - 1				
BATH - 2				
BATH - 3				
BATH - 4				
LAUNDRY				
GARAGE				
EXTERIORS				