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	

1st 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)

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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

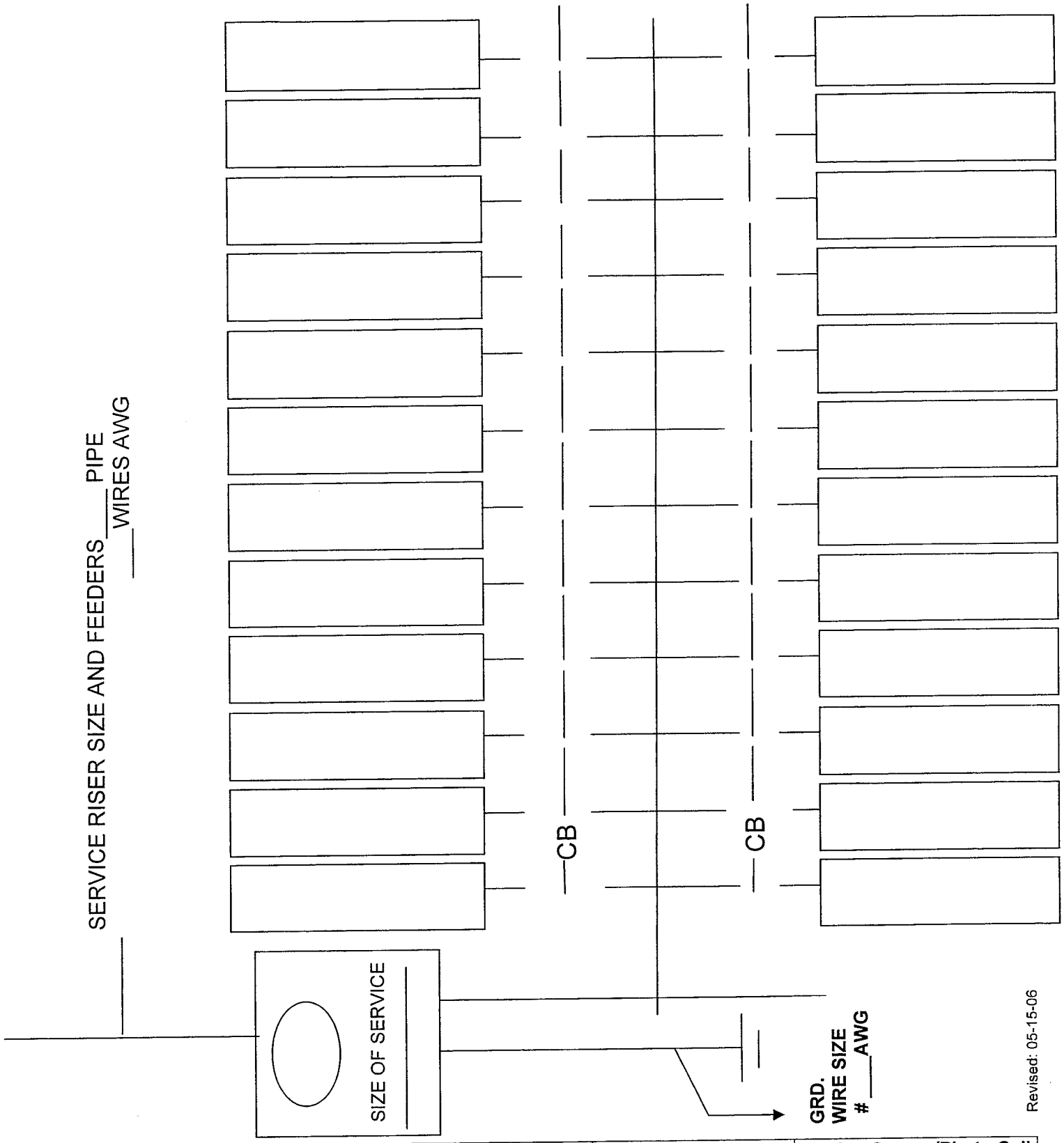
1st 10k VA @ 100%..... 10,000 VA
Remainder @ 40% (22.8K VA x 4)..... 9,120 VA
Total other load..... 19,120 VA

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)

Minimum size 125 amperes

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



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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				