



Owner Yevgeniya Severskaya

Address 58135 Jupiter Place

City Routt County, CO

Home Electric Service Load Worksheet

220.12 General Lighting

3va/ft² of floor area, including unused space adaptable for future use.

Floor Area= 0 ft² 2,530 va

Basement Floor Area= 0 ft² 0 va

220.52(A) Small Appliance Load

1500va for each 20 amp branch circuit required per 210.1(C)(1) in EACH kitchen, pantry, breakfast room, dining room, or similar areas.

of Small Appliance Branch Circuits = 2 X 1500va= 3,000 va

220.52(B) Laundry Load

of Laundry Branch Circuits = 1 X 1500va= 1,500 va

Total General Lighting & Appliance Load= 7,030 va

220.42 Lighting Load Feeder Demand Factors

First 3000 or less at 100% 3,000 va

From 3001 to 120,000 at 35% 1,411 va

Remainder over 120,000 at 25% 0 va

Total Lighting Demand Load= 4,411 va

220.54 Electric Clothes Dryers

Dryer #1, Greater of Nameplate KW rating or 5kw= 5.00 kw 5,000.00 w

Dryer #2, Greater of Nameplate KW rating or 5kw= - kw - w

220.55 Electric Ranges--Dwelling Units

Electric Range Nameplate KW= 5.00 kw

Wall Mounted Oven Nameplate KW= - kw

Electric Cooktop Nameplate KW= - kw

Electric Cooking Demand Load= 5,000 w

220.51 Largest of Fixed electric space heating loads or A/C load:

220.21 Non-coincident Loads

Fixed Electric Space Heat #1 - w A/C#1 - MCA@208-240V

Fixed Electric Space Heat #2 - w A/C#2 - MCA@208-240V

Fixed Electric Space Heat #3 - w A/C#3 - MCA@208-240V

Total Non-coincident Load= - va

220.53 Appliance load--Dwelling Units

Qty	Description	va(watts)
1	Dishwasher(s)	1200
1	Microwave(s)	1500
1	Range	8000
1	Paddle Fan(s)	50
1	Range Hood(s)	600
1	Refrigerator(s)	540
1	Water Heater	0

Qty	Description	va(watts)

Total Connected Appliance Load= 11,890.00 va

Total Appliance Demand Load= 8,917.50 va

220.53 Appliance load--Dwelling Units

220.50 Motor Loads @ 120 Volts

Qty	Description	Amps
1	Garbage Disposal(s)	4
		0
1	Washing Machine	4.5

Qty	Description	Amps

Total Motor Load= 1,020.00 va

430.24 25% of Largest Motor Load

Total Motor Demand Load

135 va

1,155 va

Total Calculated Demand Load in Volt-Amperes =

24,483 va

Total Calculated Demand Load in Amperes @
Conductor Size Required for This Demand Load

1 Phase 3 Wire, 120/ 240 Volts =
3 CU or 1 AL

102 Amps