



**RESIDENTIAL ELECTRICAL LOAD CALCULATIONS**

Client: [Name] Project: [Address]

Item	Quantity	Rating	Total
General Lighting	10	100W	1000W
Receptacles	20	150W	3000W
Small Appliances	3	1500W	4500W
Water Heaters	1	4500W	4500W
Electric Heating	0	0W	0W
Electric Cooling	0	0W	0W
Electric Stoves	0	0W	0W
Electric Dryers	0	0W	0W
Electric Pumps	0	0W	0W
Electric Motors	0	0W	0W
Other Loads	0	0W	0W
<b>Total Connected Load</b>			<b>8000W</b>
<b>Minimum Circuit Ampacity</b>			<b>36.4A</b>
<b>Minimum Overcurrent Protection</b>			<b>40A</b>

**Panel Schedule**

Panel	Bus	Size	Rating	Notes
1	1	100	100A	
2	2	100	100A	
3	3	100	100A	

- 1. All wiring shall be in accordance with the National Electrical Code (NEC) and all applicable local codes.
- 2. All wiring shall be installed in a safe and sound manner.
- 3. All wiring shall be installed in a neat and workmanlike manner.
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- 9. All wiring shall be installed in a neat and workmanlike manner.
- 10. All wiring shall be installed in a safe and sound manner.

**ELECTRICAL SYMBOL LEGEND**

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**JUSTIN TIME**

**ELECTRICAL LAYOUT**

DATE: [Date]

BY: [Name]

SCALE: [Scale]

PROJECT: [Project Name]

ADDRESS: [Address]

CITY: [City]

STATE: [State]

ZIP: [ZIP Code]

PHONE: [Phone Number]

FAX: [Fax Number]

EMAIL: [Email Address]

WEBSITE: [Website]

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**E1.0**



Note 14 All equipment to be sized per A/C & Manual 2 requirements



Note 8 All equipment shall be installed in accordance with manufacturer's instructions

Room	Equipment	Capacity
Living Room	10x10	200 CFM
Bedroom	10x10	200 CFM
Bathroom	10x10	200 CFM
Hallway	6x6	50 CFM
Kitchen	12x12	300 CFM
Garage	10x10	200 CFM

Room	Equipment	Capacity
Living Room	10x10	200 CFM
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Bathroom	10x10	200 CFM
Hallway	6x6	50 CFM
Kitchen	12x12	300 CFM
Garage	10x10	200 CFM

Note 10 Provide Kitchen fan Min 100CFM. Provide automatic dampers. Duct for range shall be metal with smooth interior

Note 13 All equipment is sized per sensible load from Manual 2 per the expanded rating from OEM

**M Mechanical Plan**  
Scale NTS



**GENERAL NOTES:**

1. All equipment shall be installed in accordance with manufacturer's instructions.
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PROJECT FOR  
**REYNOLDS RESIDENCE**  
431 HULL ST  
HENDERSON, NV 89015

DESIGNED BY  
**JUST IN TIME**  
LIC# 53069

DATE: 12/15/2024  
DRAWN BY: JIM BENTLEY, JR.  
PROJECT NO: 24-001



**BUILDERS COPY**  
**M-1**