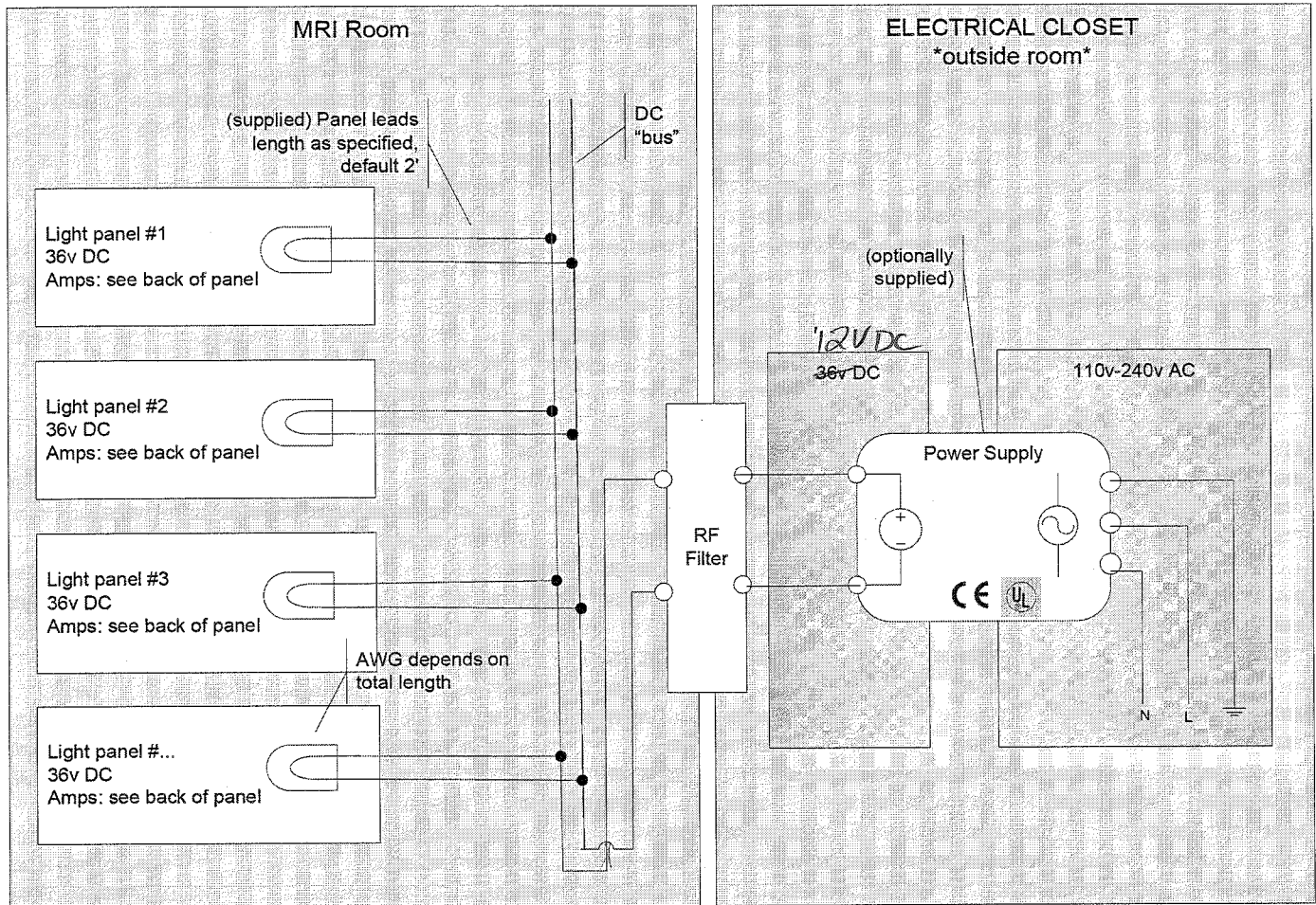


WIRING DIAGRAM FOR LED LIGHT BOXES

MRI installations



Minimum Requirements

- (2) Free "ports" on existing RF filter (in electrical closet) – low voltage/low amperage
- Location to mount power supply (optionally supplied) in electrical closet
- Available standard 110v or 220 AC in electrical closet
- 2-strand DC wires with gauge sufficient for number of panels installed. Twisted wires recommended.

Installation (est. 1 hour)

- Place/mount power inverter(s) in closet – make sure there is sufficient airflow around inverter(s)
- Connect POS and NEG wires from inverter(s) to RF filter ports
- Connect Line, Neutral, Ground from inverter(s) to standard 110v-220V outlets or sources
- Verify inverter(s) switch are properly set at either 110v (factory default) or 220v
- Connect long 2 strand wire from corresponding RF ports inside the room to desired overhead location for panels
- Connect all panels as shown, forming a "bus"

Testing

- Energize and verify that ^{12v}36v DC is present at the end of the bus

NOTES

- Avoid forming coils or loops with DC cable inside room – trim cables
- Avoid forming perfect lines or parallel lines with DC cable inside room – loose fit is better
- Make sure AWG of DC bus is sufficient for total rated amps of panels
- You may need more than (2) free ports when using multiple power supplies