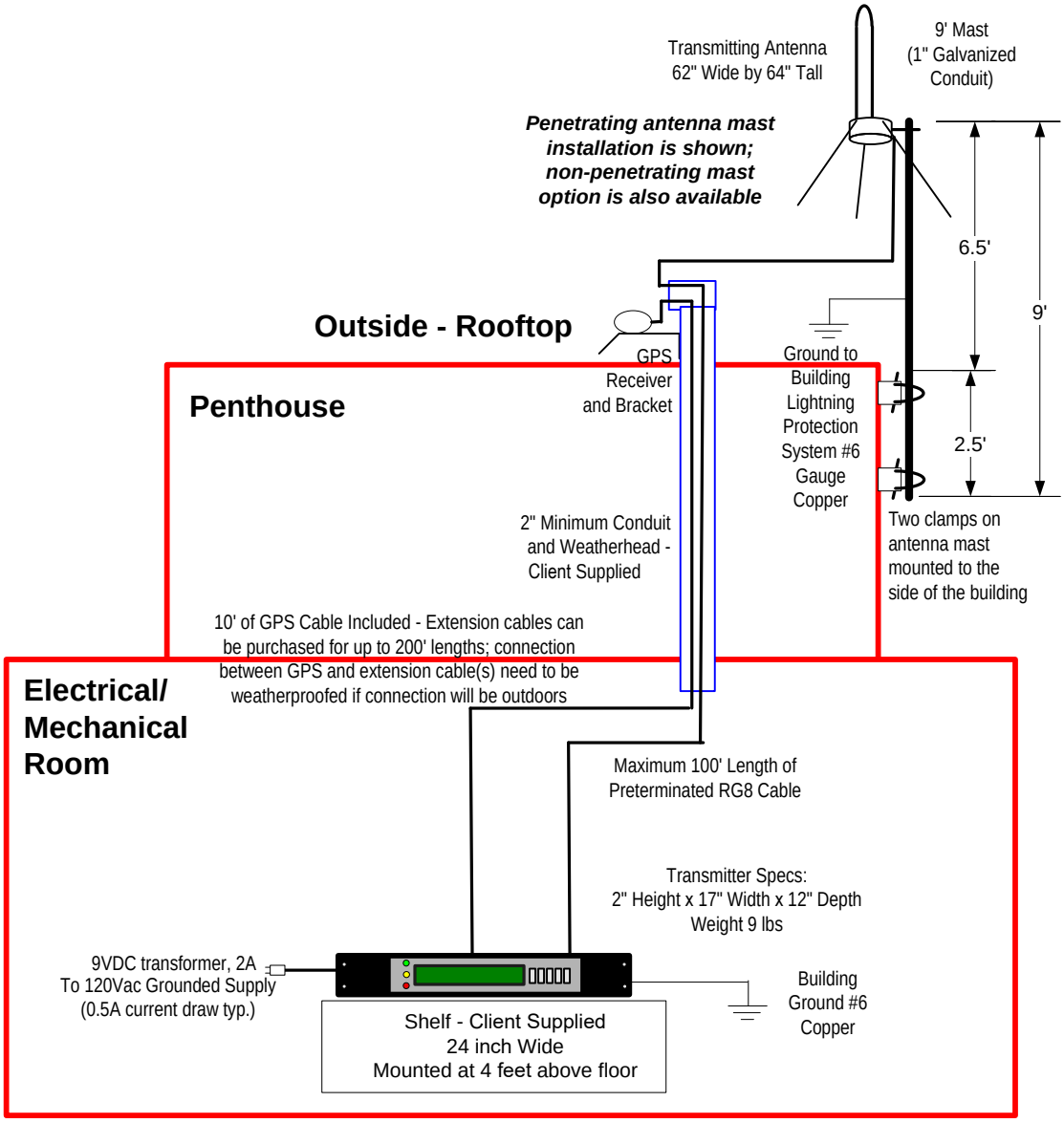
Typical System Setup
Primex XR01EM 1 Watt Transmitter with External Antenna
GPS Time Source



Typical System Setup – not to scale

Summary of Operation

1. GPS receiver decodes time from Satellites
2. Time is input via mini-DIN Connection into Transmitter
3. Transmitter Time is set
4. Transmitter broadcasts out 72MHz signal to set clocks
5. When batteries are put in a clock (or AC powered clocks are plugged in), clocks search for the 72MHz signal
6. Clocks set when 72MHz signal is decoded.

Notes

- GPS Receiver requires clear view of the sky
- Optimal Transmitting Antenna location is a tall, central point on the structure
- Transmitting antenna should be a minimum of 15' from other antennas
- Client to supply the following items
    - 2" Minimum Conduit and Weatherhead
    - GPS Extension Cable (If needed)
    - Transmitter shelf
    - 120Vac Outlet
    - Building Ground near transmitter
    - Ground near transmitting antenna
- DO NOT HANG OR SET CLOCKS UNTIL TRANSMITTER IS IN PLACE AND POWERED Transmitter will provide eight hours of continuous signal after power cycle