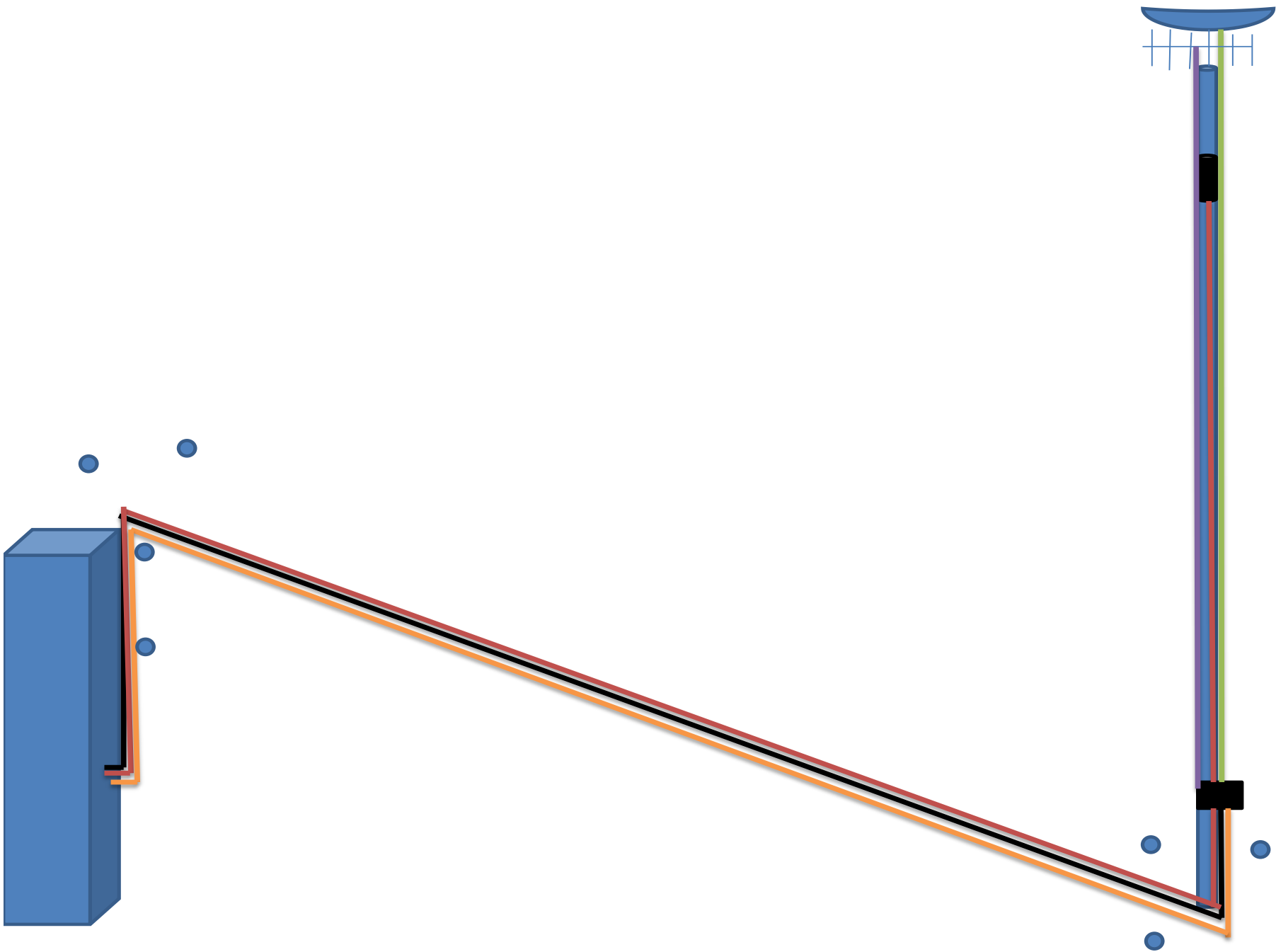
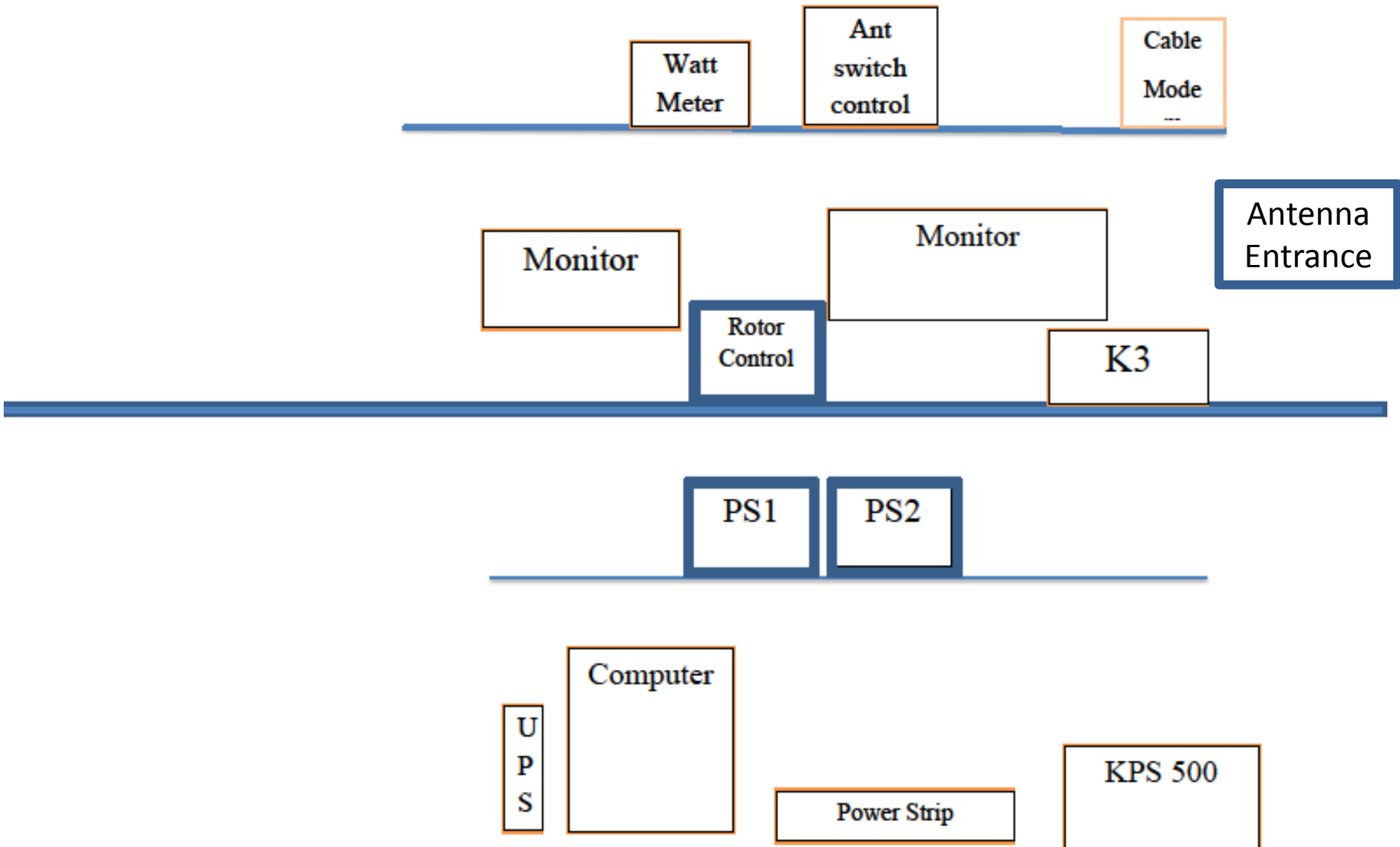


“The Care and Feeding of  
Lightning”

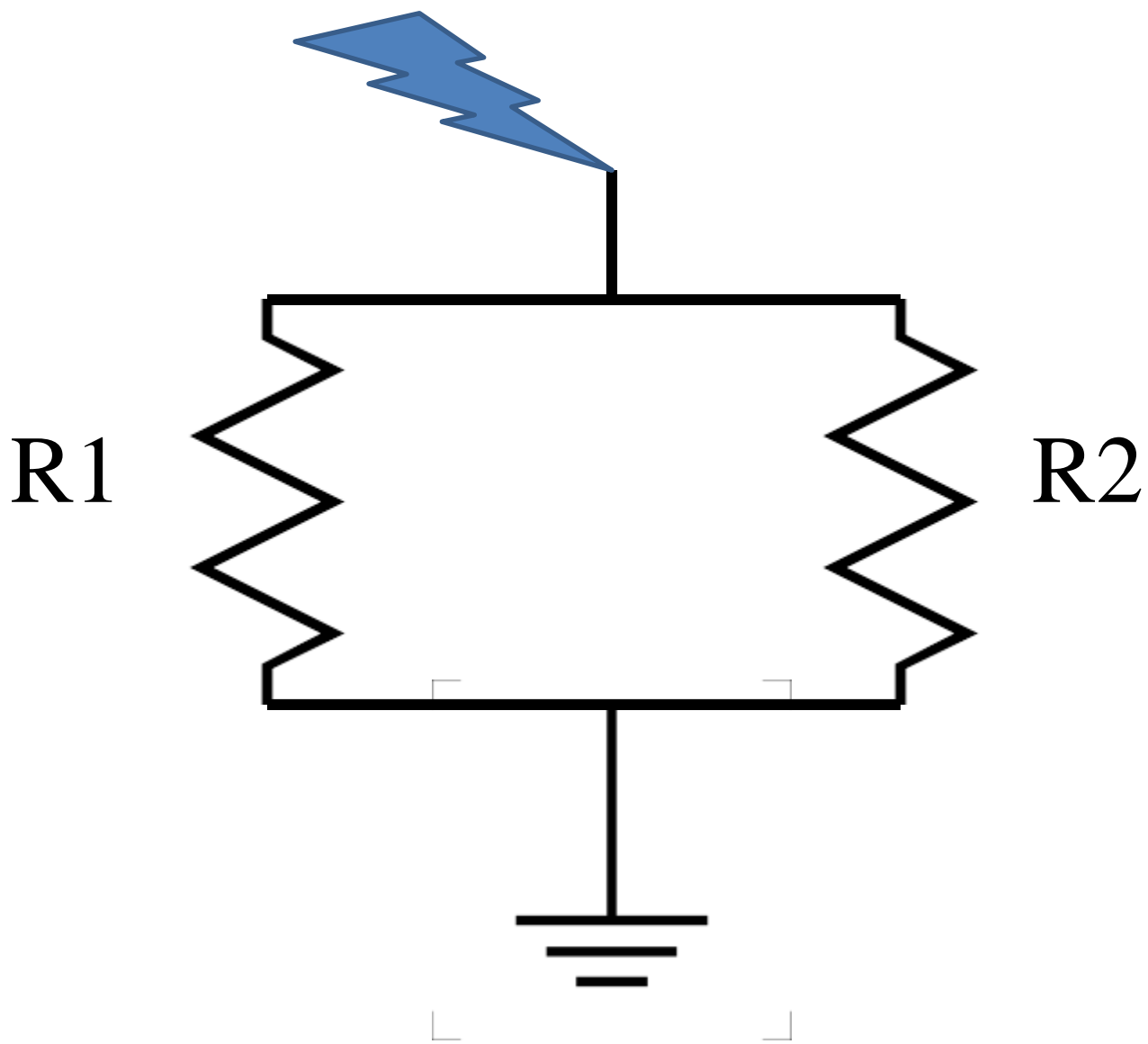
Dan Reimer

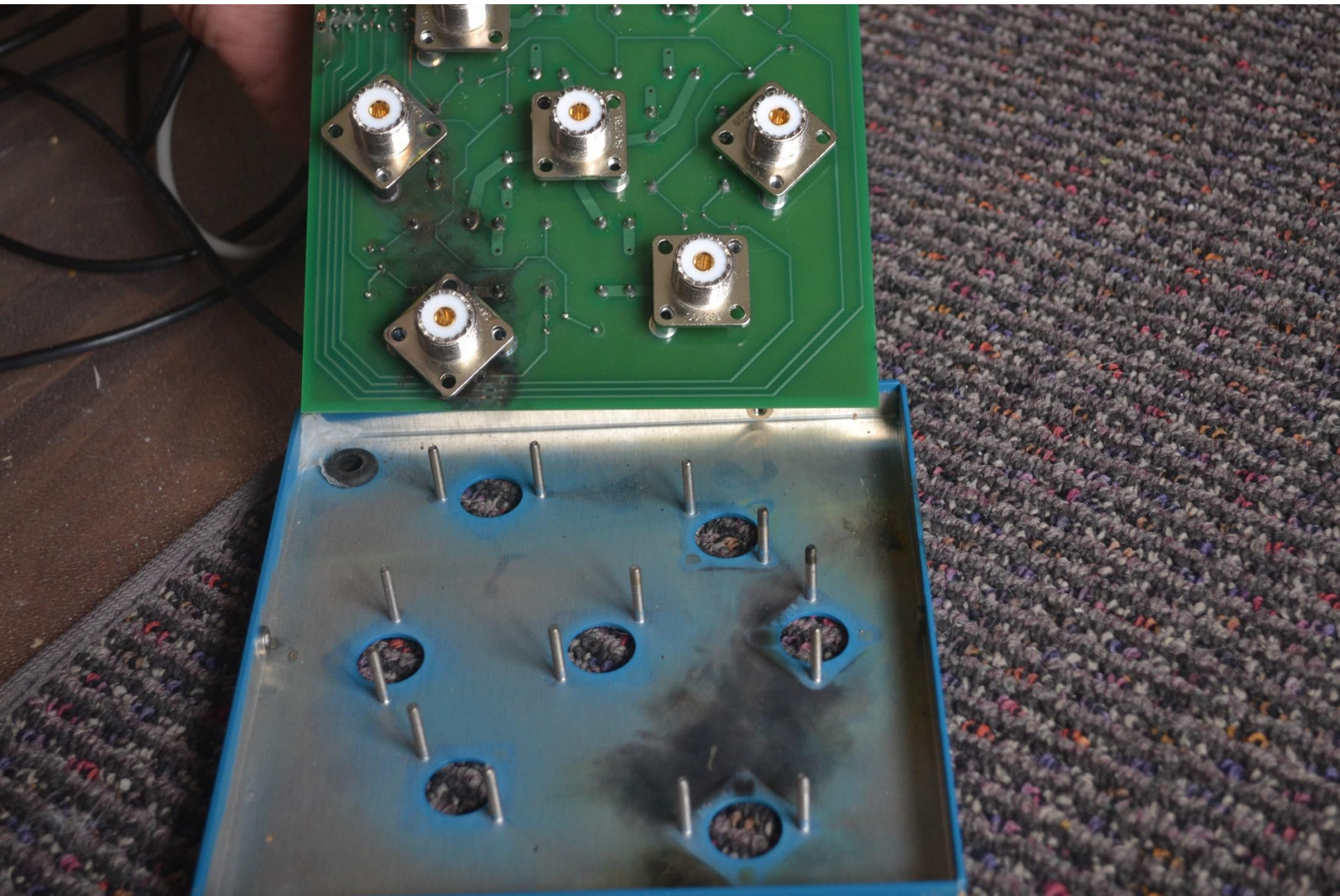










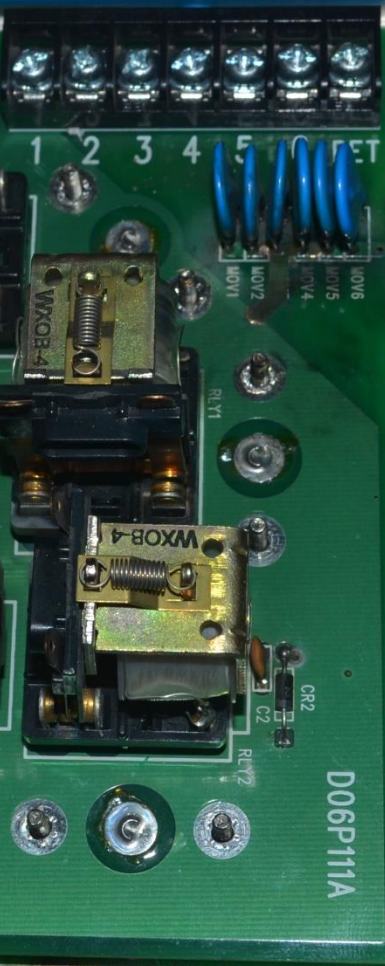


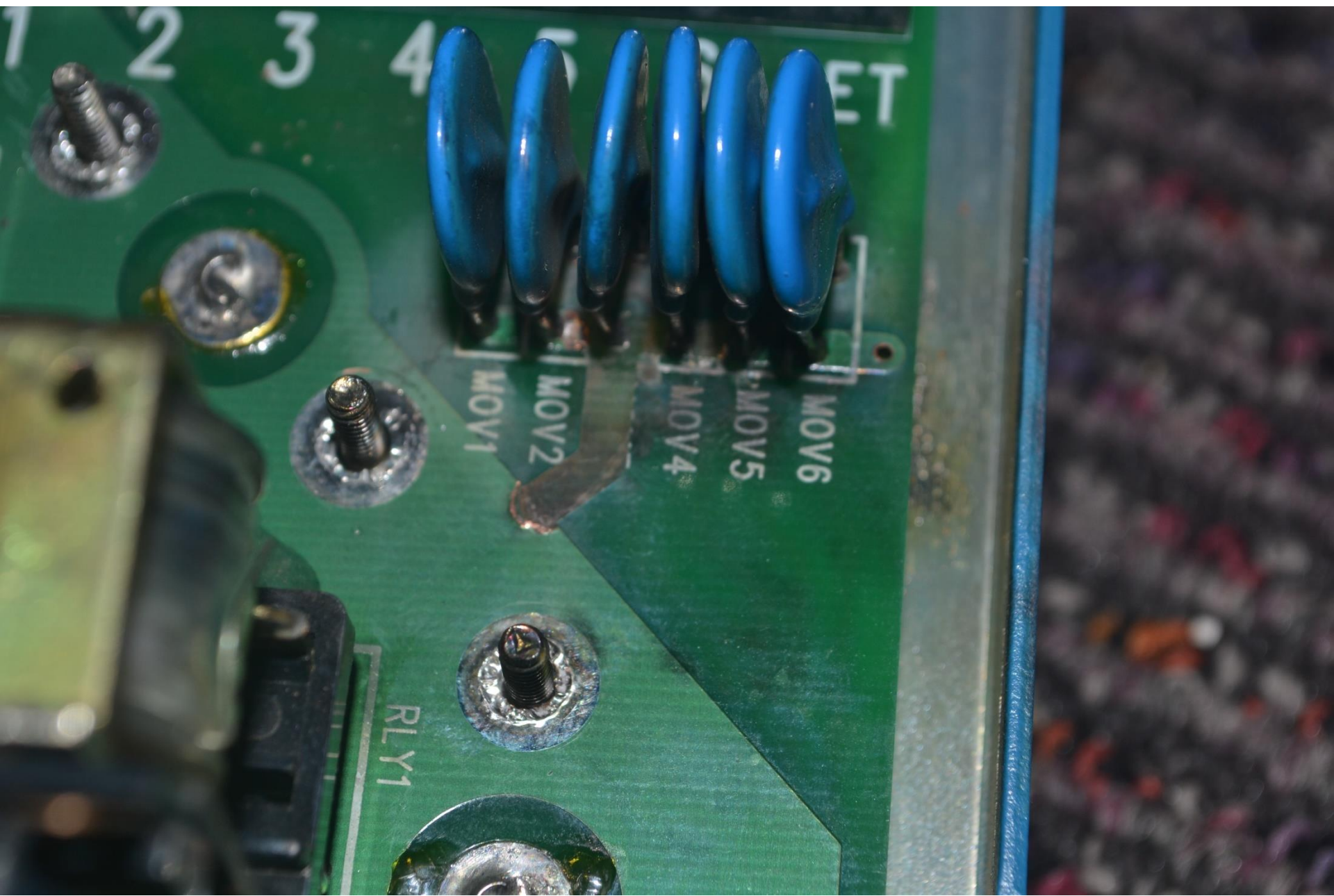
(c) 2000 ARRAY SOLUTIONS

TXCI  
1-0-94V-0  
2113

9-12-16  
W5YGD

D06P111A





MOV1

MOV2

MOV4

MOV5

MOV6

RLY1

ET

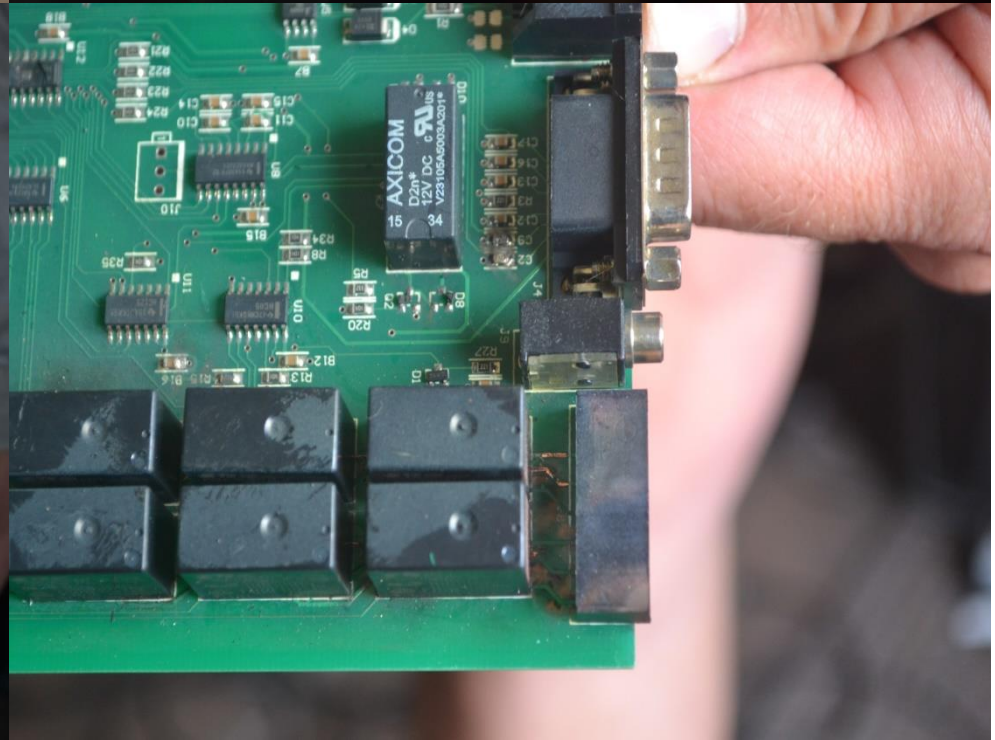
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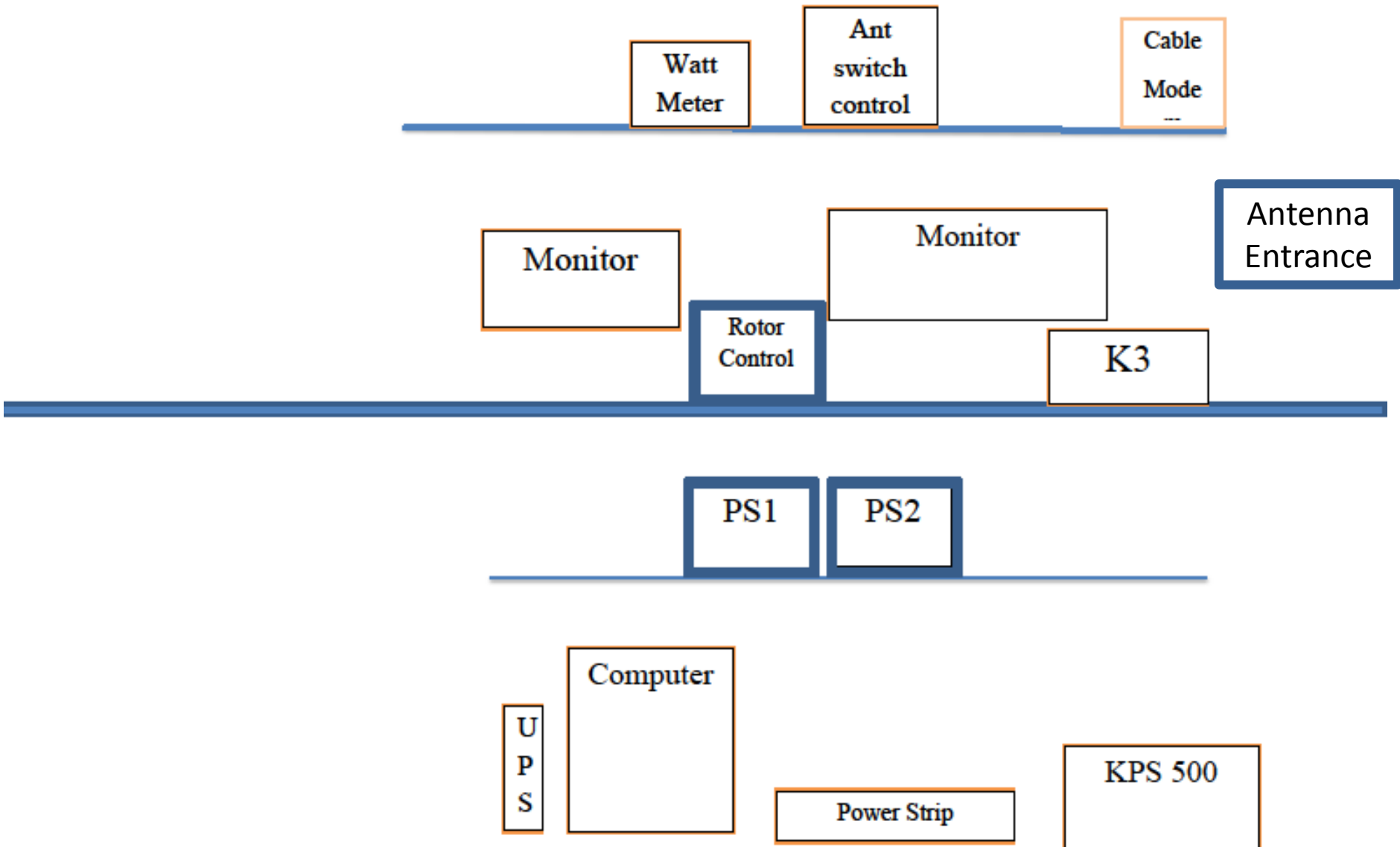
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4

5

1



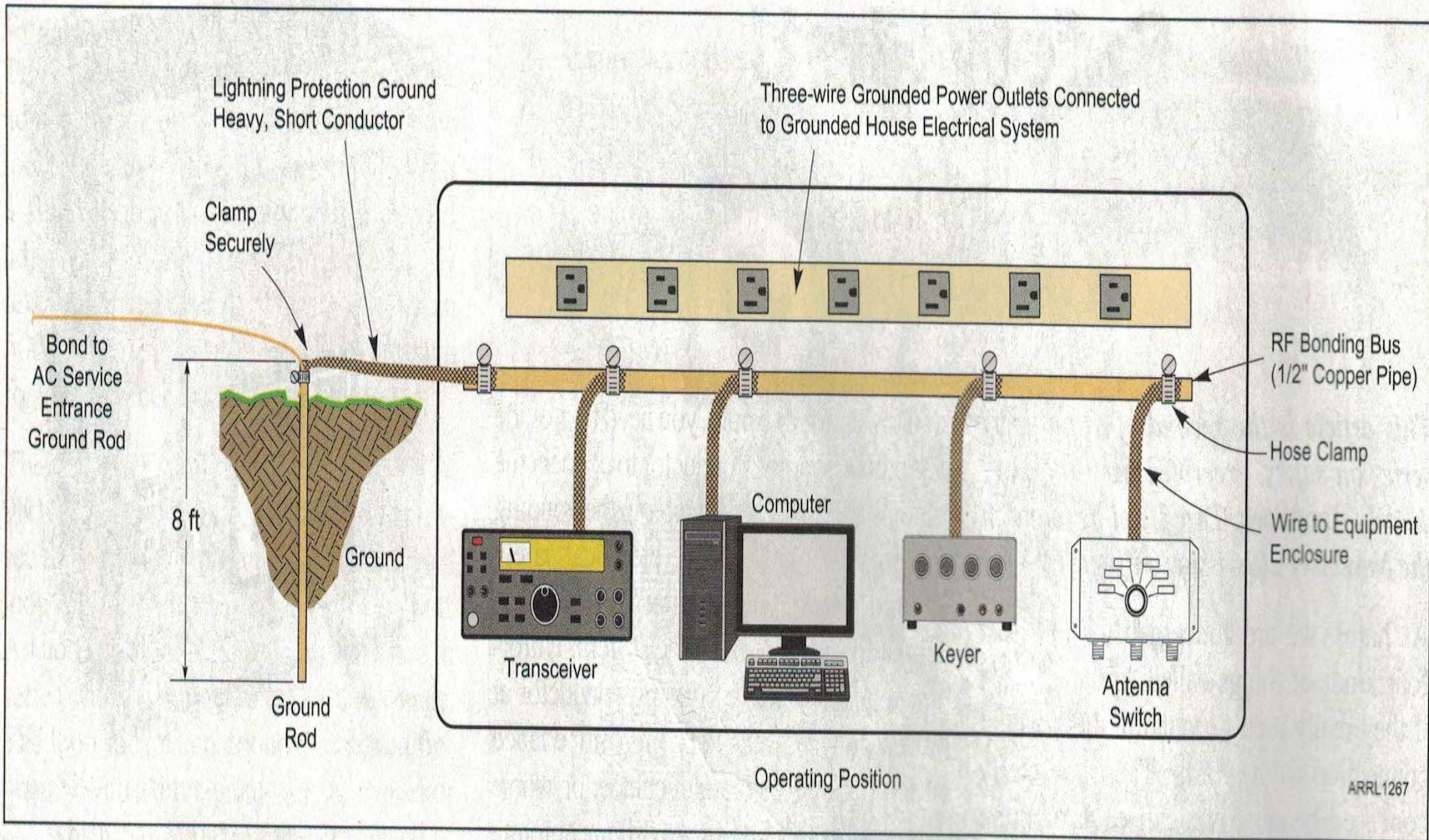




Mitigation – “The effort to reduce loss by lessening the impact of disasters.”

# Mitigating Lightning damage:

1. Inside – Our ham shack
  - A. Insurance
  - B. Ground system



**Figure 1** — An RF bonding bus connects all of the equipment enclosures together to keep them at the same RF voltage. If the bus is connected to a lightning protection ground, use a heavy conductor, fastened securely. All ground rods must be bonded together and to the residence's ac service entry ground rod. The RF bonding bus should also be connected to the ac safety ground.

# Mitigating Lightning damage:

## 1. Inside – Our ham shack

A. Insurance

B. Ground system

C. Managing power

D. Managing equipment interconnections

# Mitigation Lightning damage:

## 2. Outside – Our antenna system

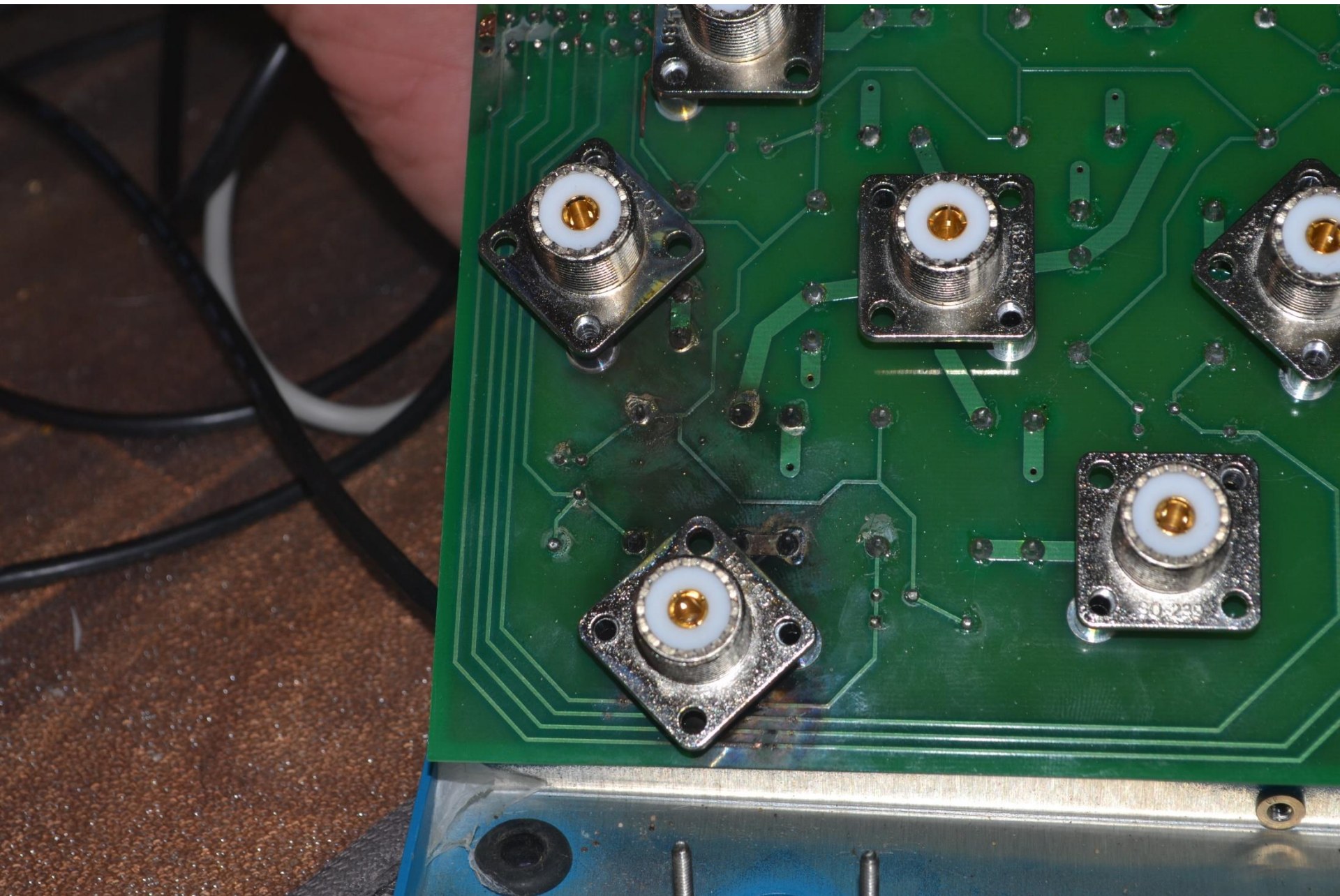
Goals: Avoid damage

Keep lightning outside

### A. “Lightening friendly” gear









# Mitigation Lightning damage:

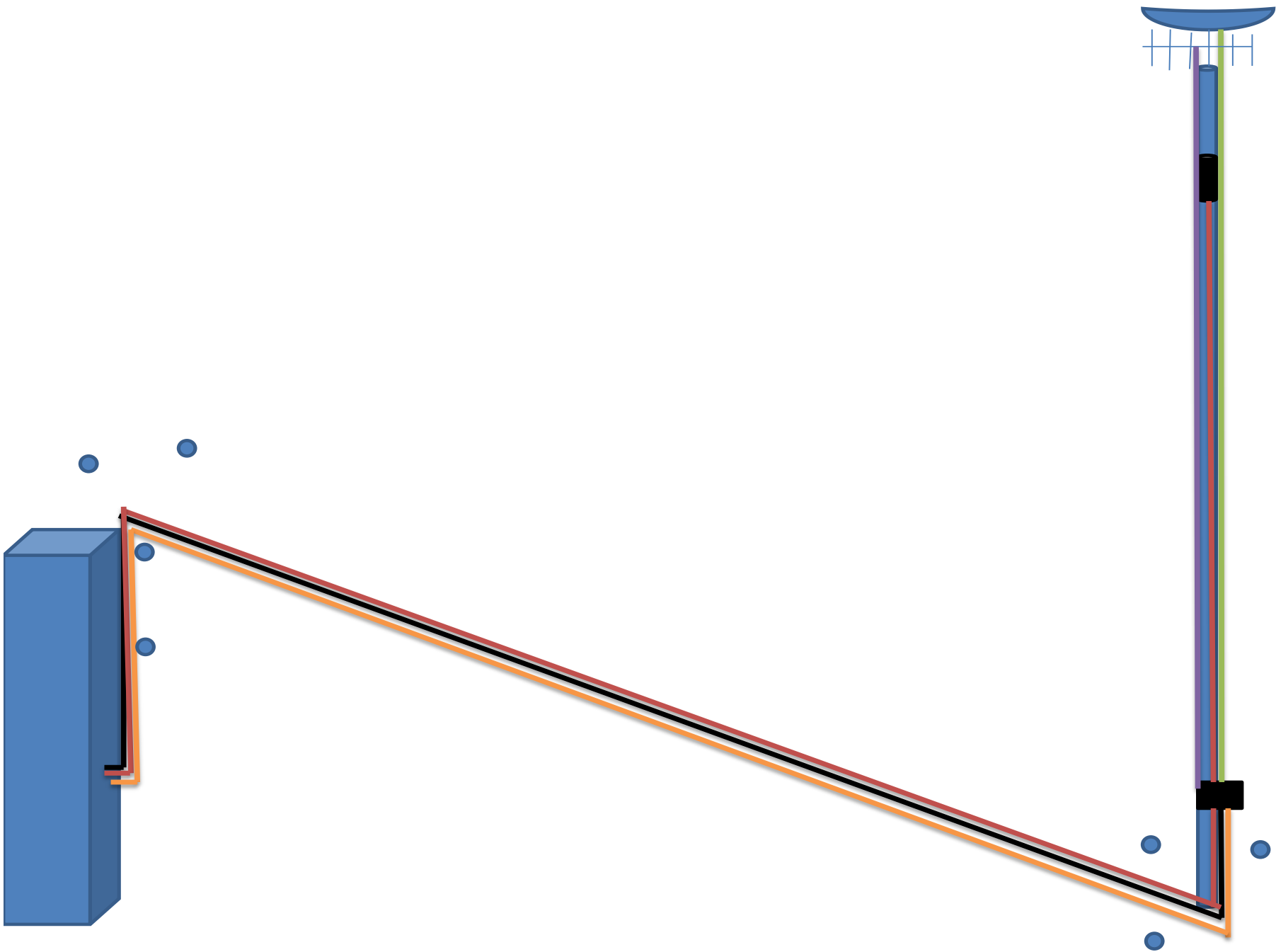
## 2. Outside – Our antenna system

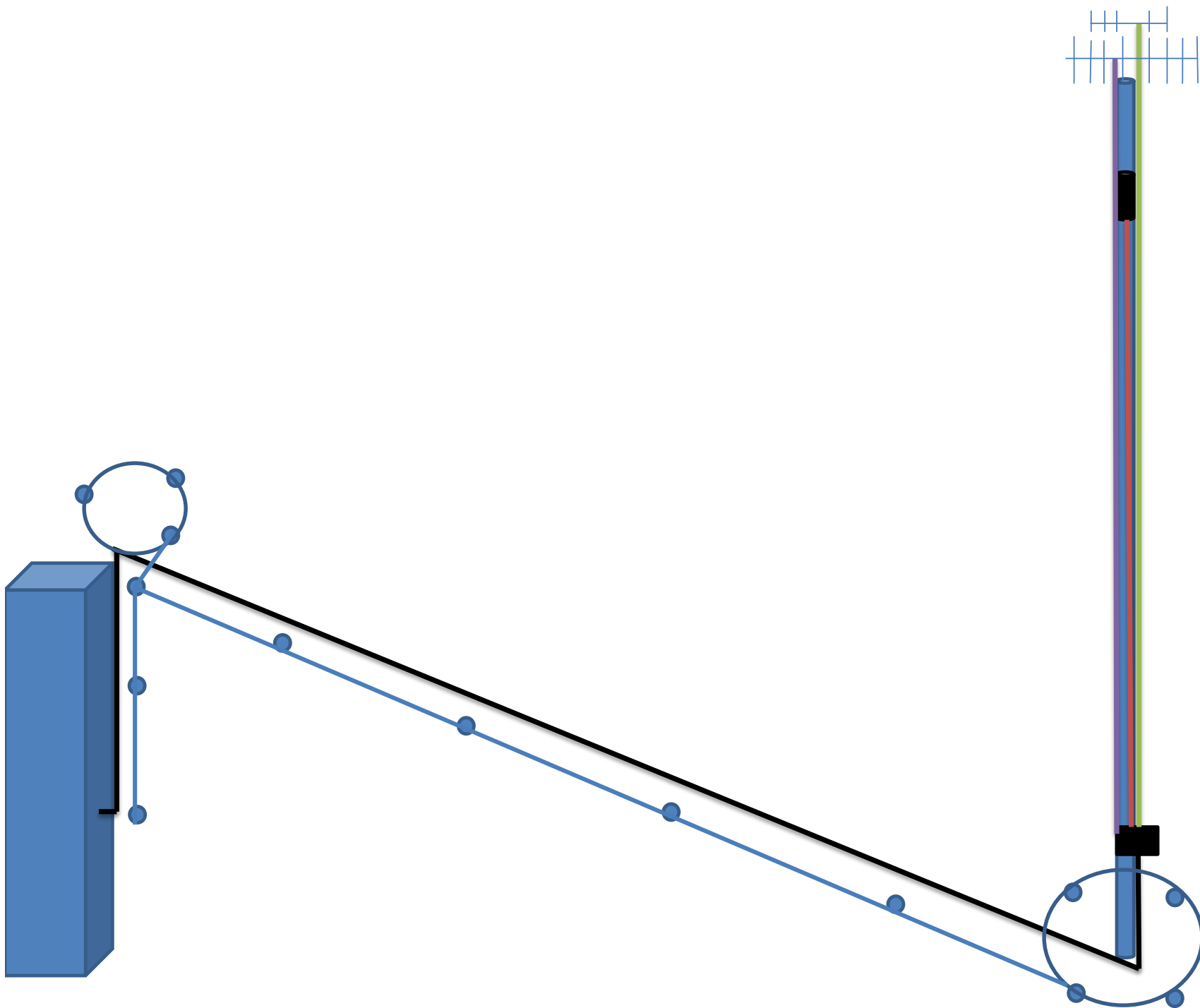
Goals: Avoid damage

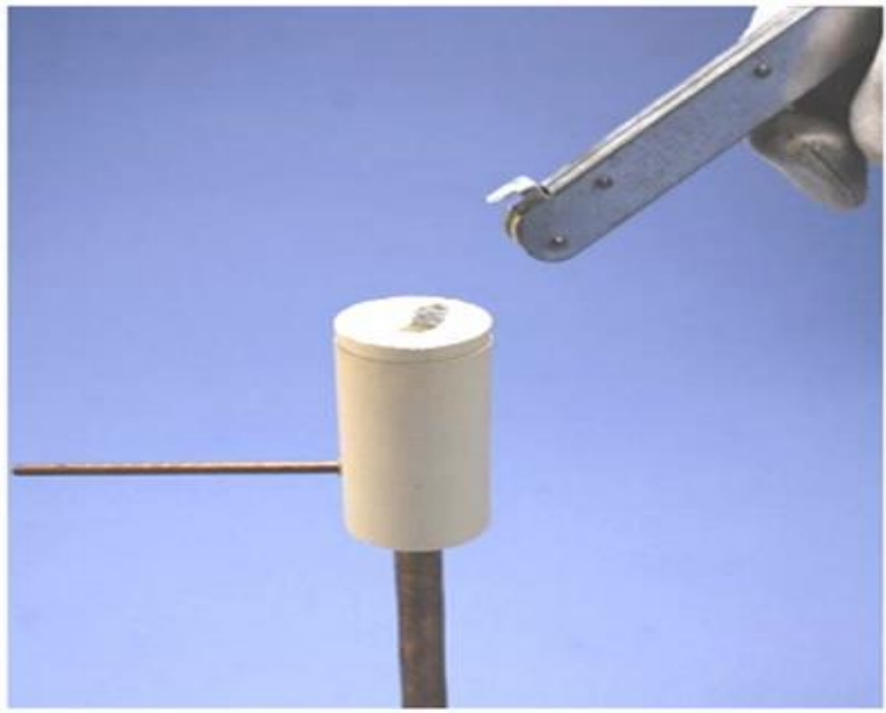
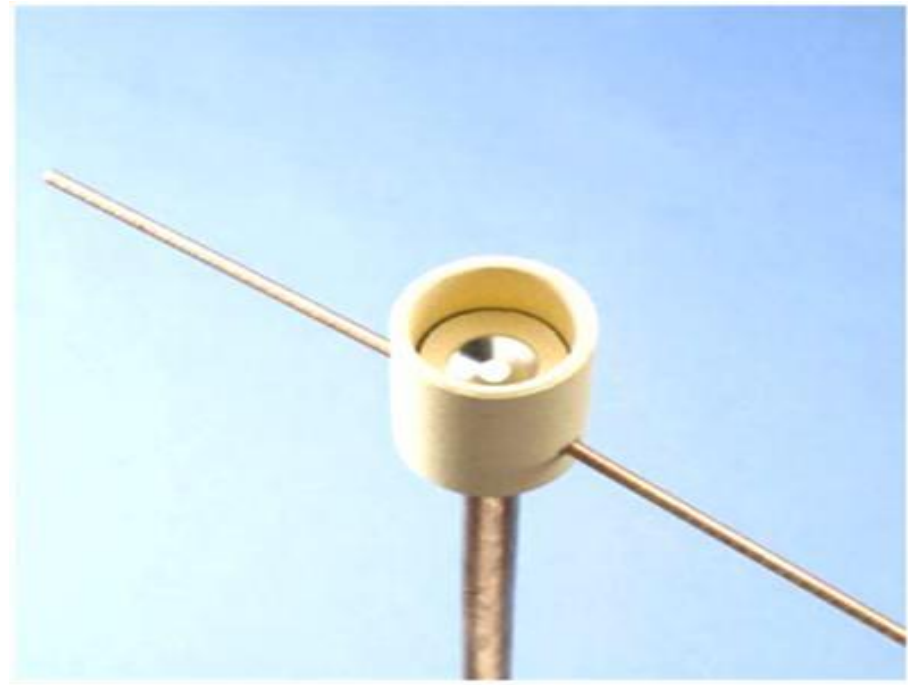
Keep lightning outside

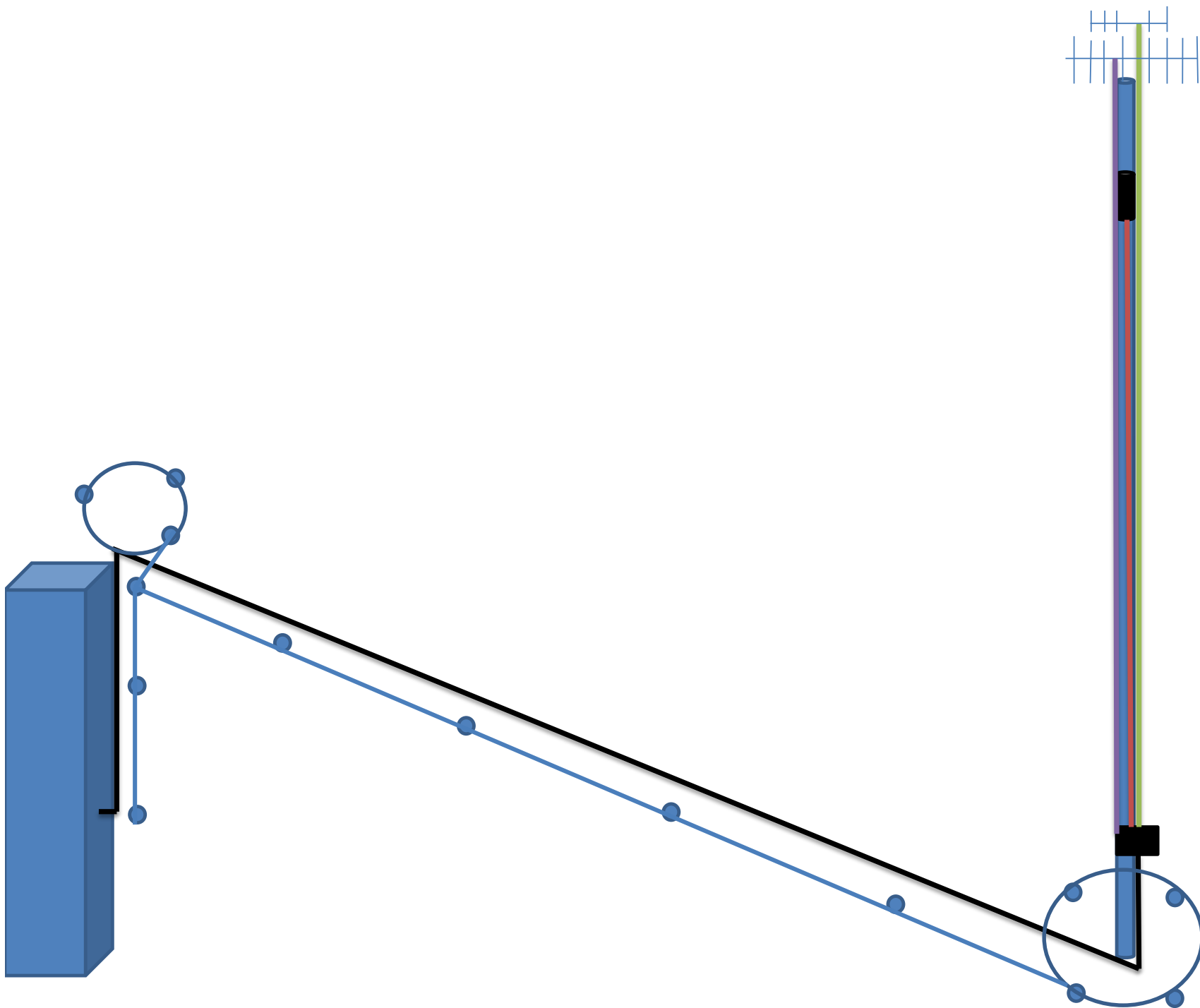
A. “Lightening friendly” gear

B. Good grounding techniques









# Mitigation Lightning damage:

## 2. Outside – Our antenna system

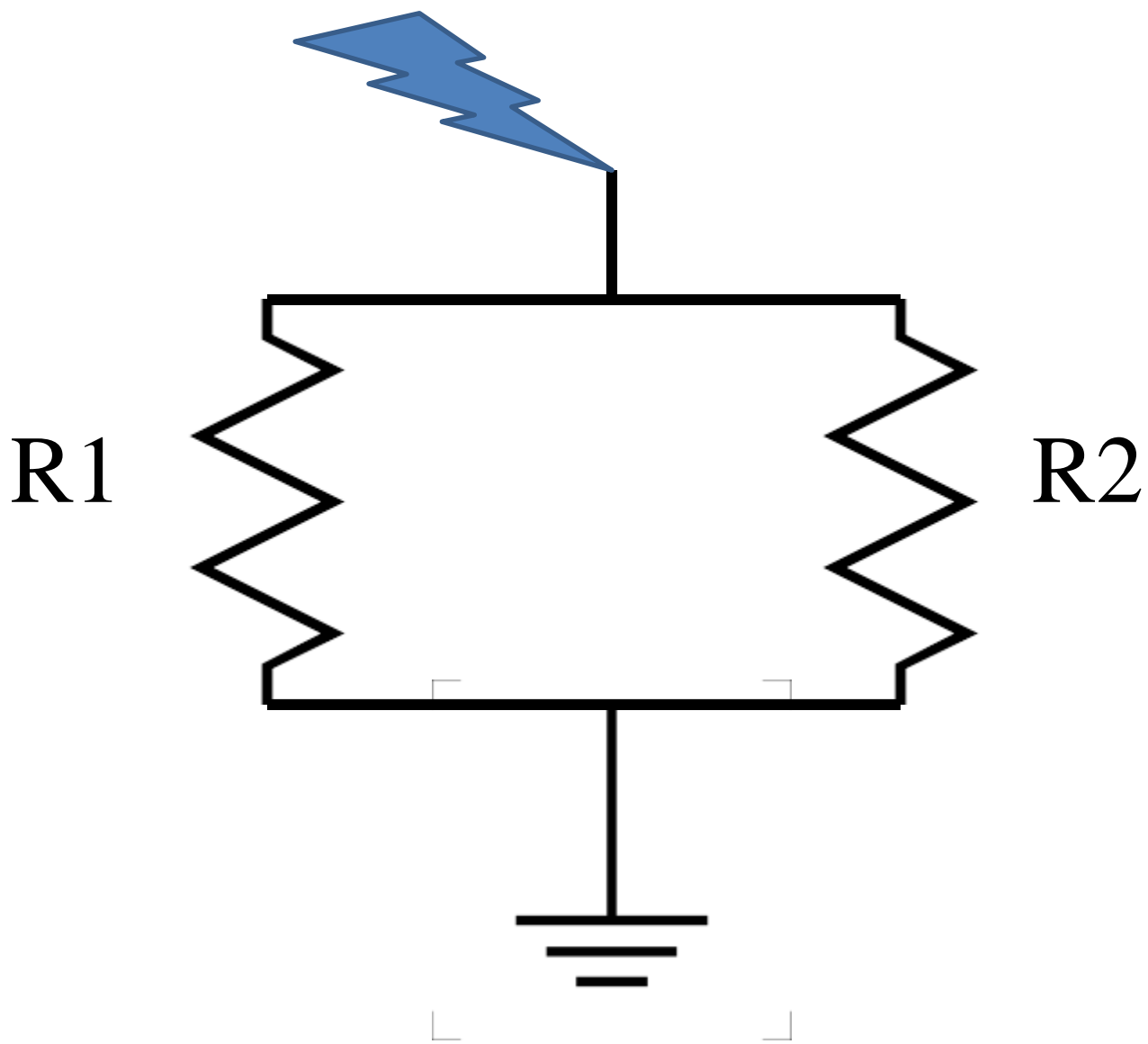
Goals: Avoid damage

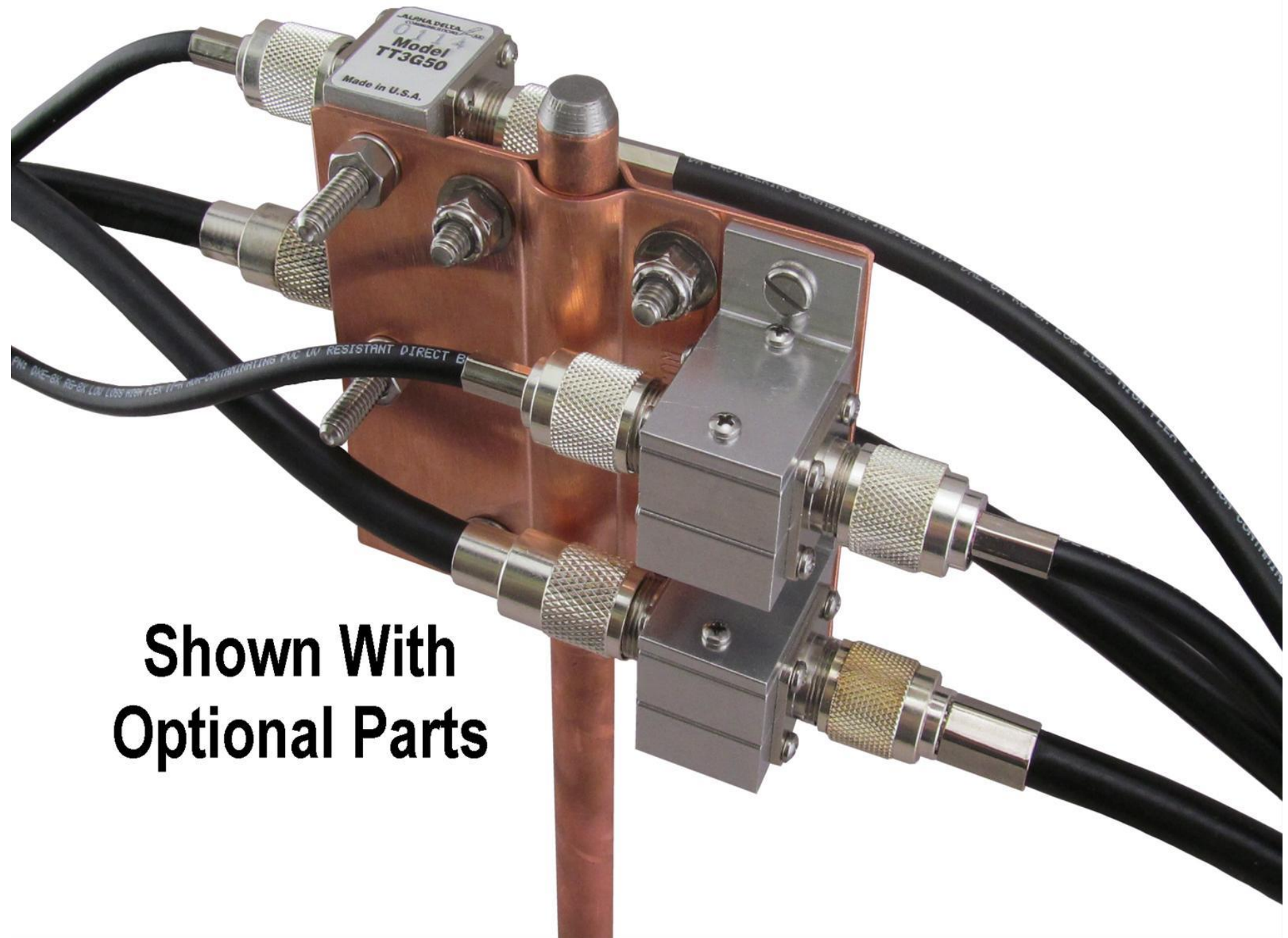
Keep lightning outside

A. “Lightening friendly” gear

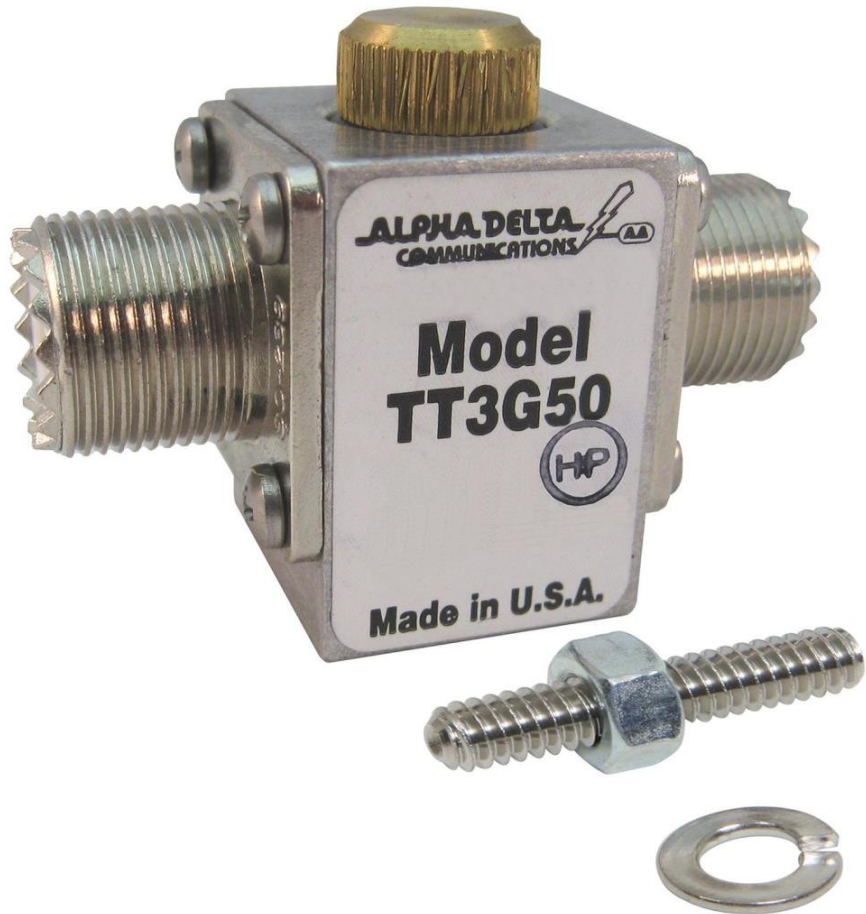
B. Good grounding techniques

C. Improved lightning suppression





**Shown With  
Optional Parts**



ALPHA DELTA COMMUNICATIONS

Model TT3G50

HP

Made in U.S.A.



