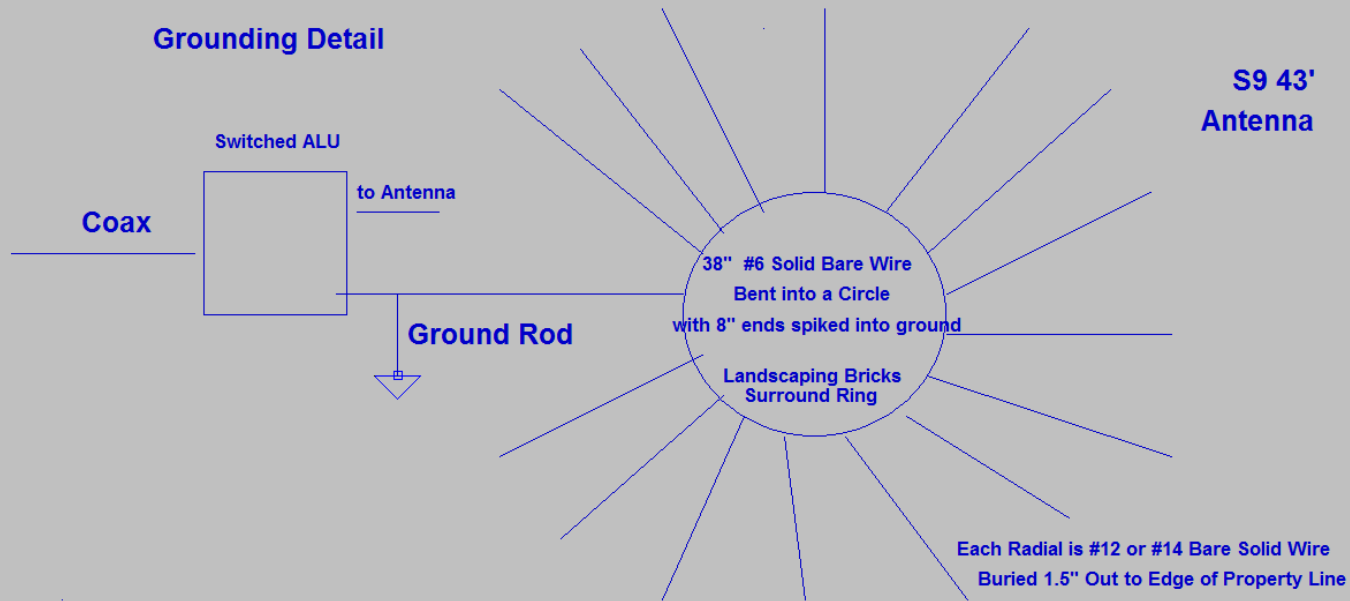
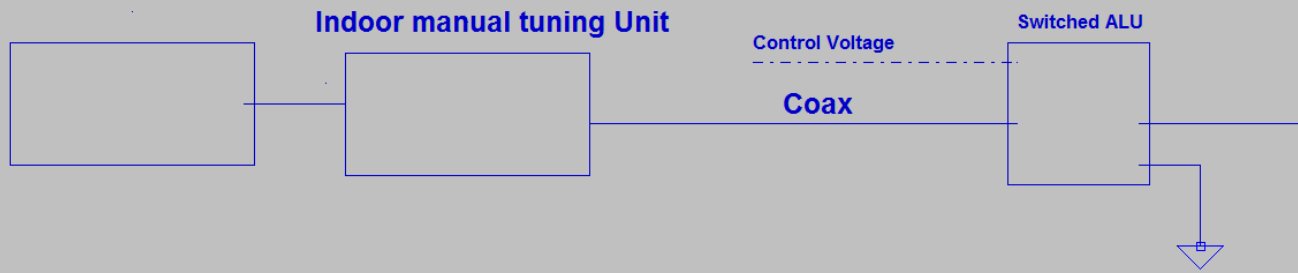


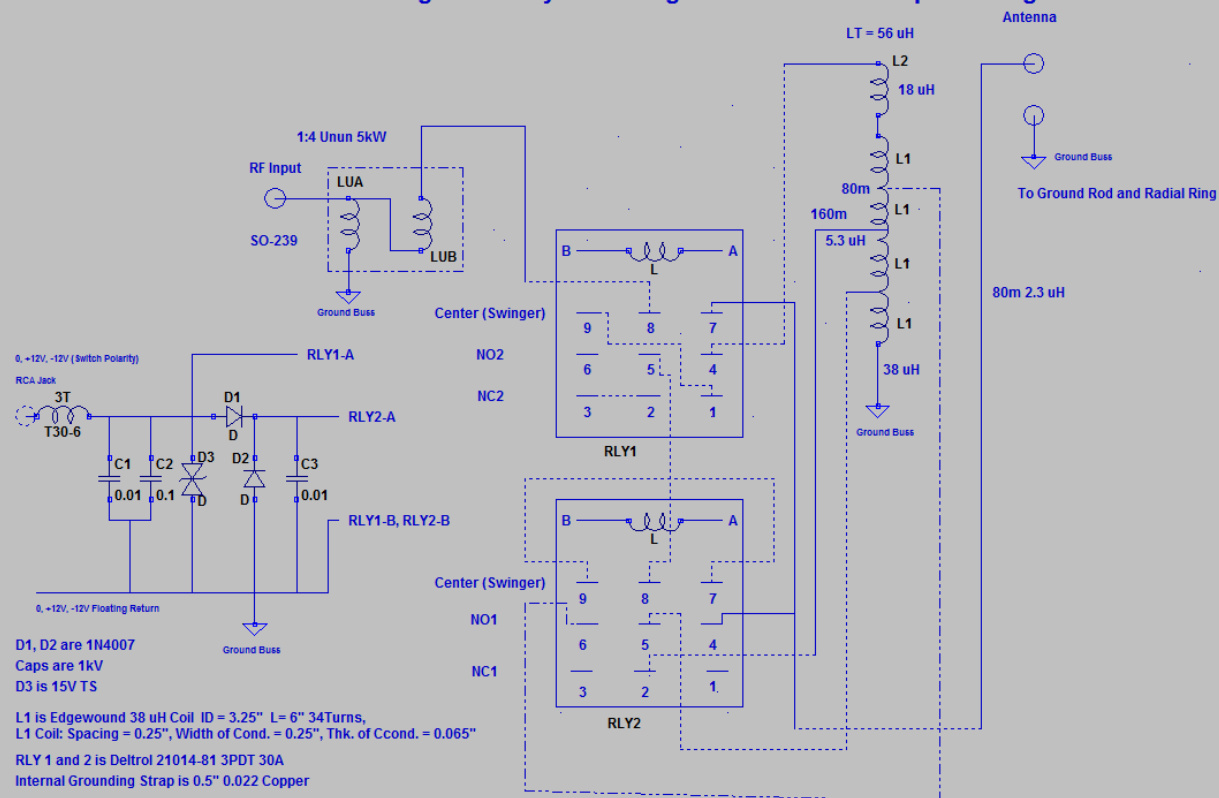
Grounding Detail



Transceiver/Transmitter



160 Meter-80m Loading Coil Relay Switching Circuit for 43' Monopole Design



D1, D2 are 1N4007

Caps are 1kV

D3 is 15V TS

L1 is Edgewound 38 uH Coil ID = 3.25" L = 6" 34Turns,
L1 Coil: Spacing = 0.25", Width of Cond. = 0.25", Thk. of Ccond. = 0.065"

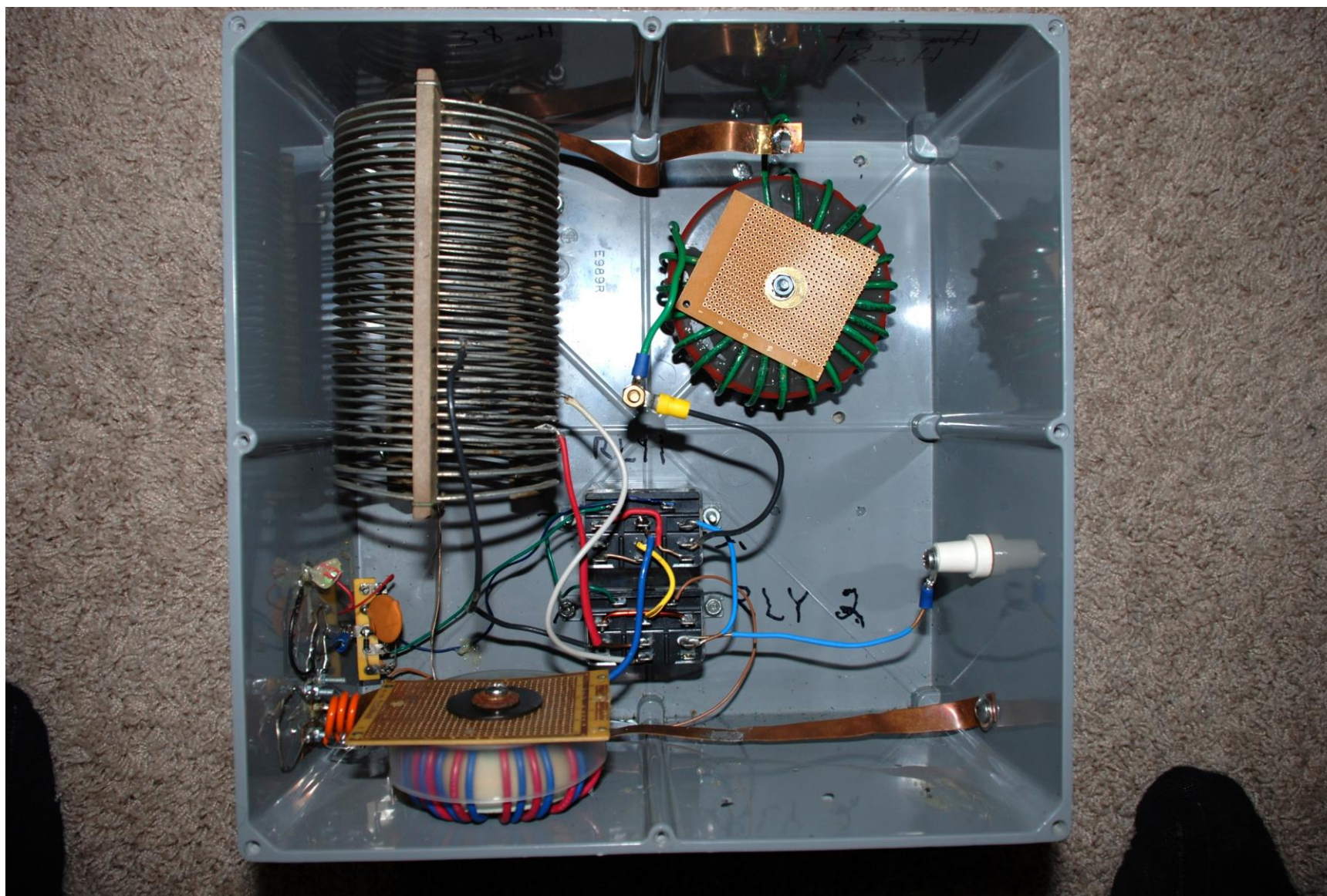
RLY 1 and 2 is Deltrol 21014-81 3PDT 30A

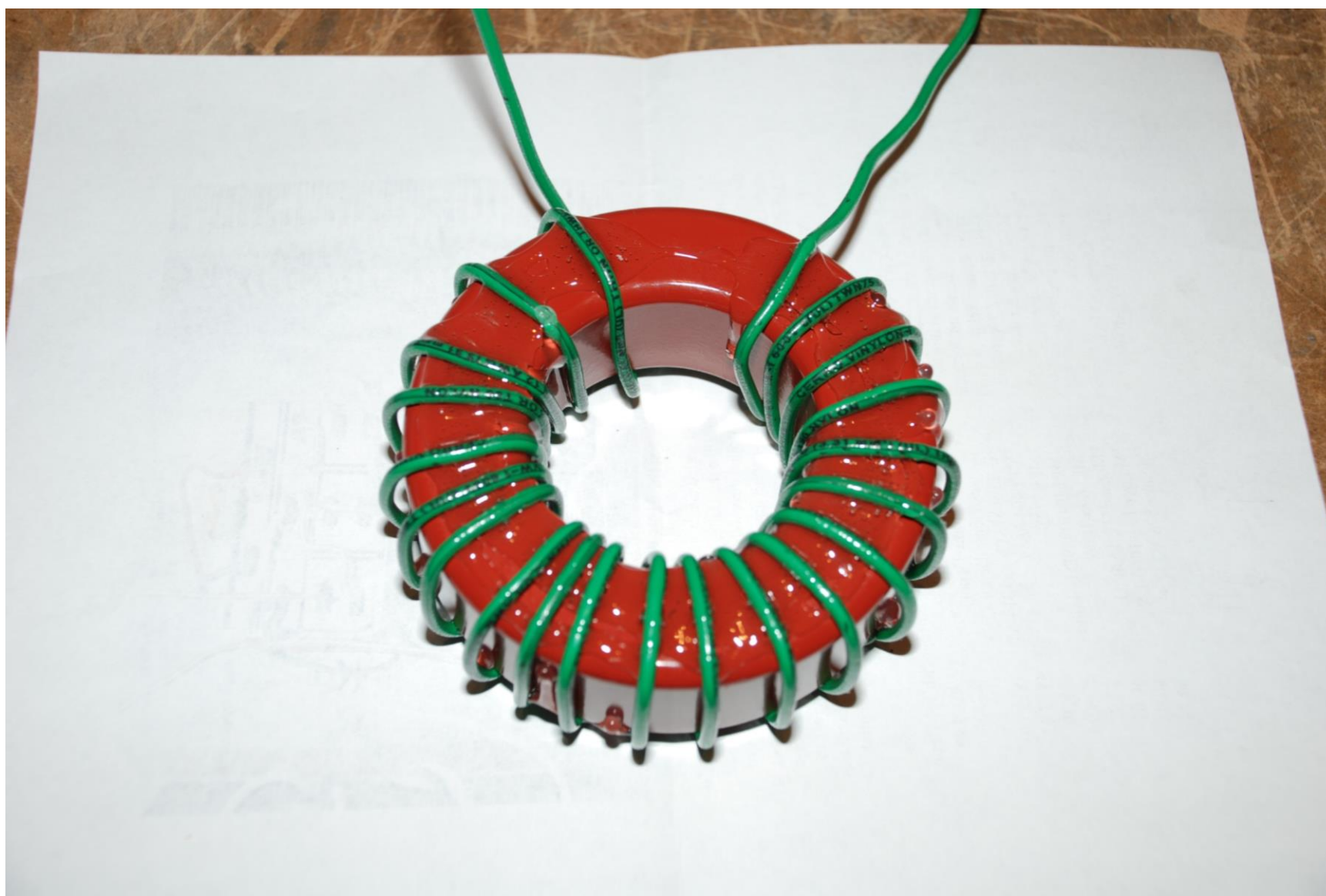
Internal Grounding Strap is 0.5" 0.022 Copper

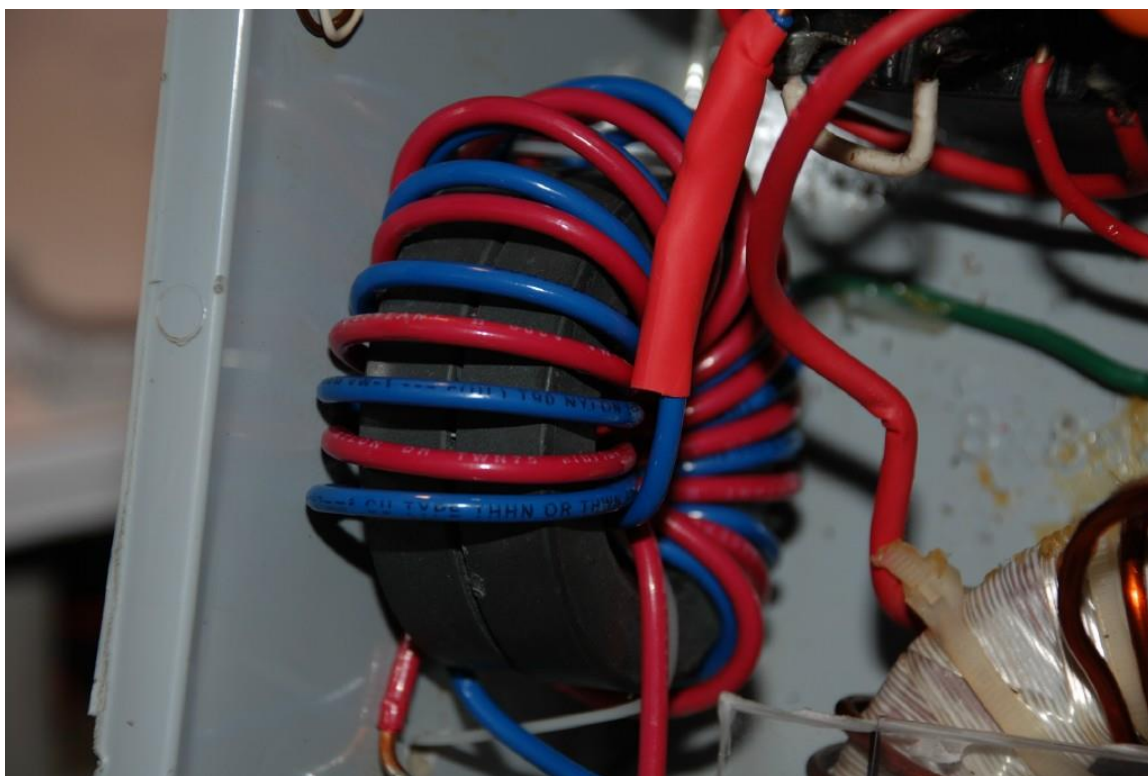
Unun is Balun Designs 4134X or MFJ 10-10989D Core Rewound with #12

(Grounding buss strap is from bottom screws of SO-239 shell to bottom of L1 to Unun and to ground lug)

L2 is T400A-2 Core Toroid 18 uH #12 THHN Wire 20 Turns Spaced 0.25 Inside, 0.5 Outside







The reduced space package for the 43' antenna relay-switched base loading coil system using an Edgewound Coil and T400A-2 toroidal core.