NOTES:

1 - EVERY GROUNDING CONDUCTION PATH FROM MATCHBOX A2 TO THE POWER SUPPLY PS1 SERVES AS THE ANTENNA'S COUNTERPOISE.

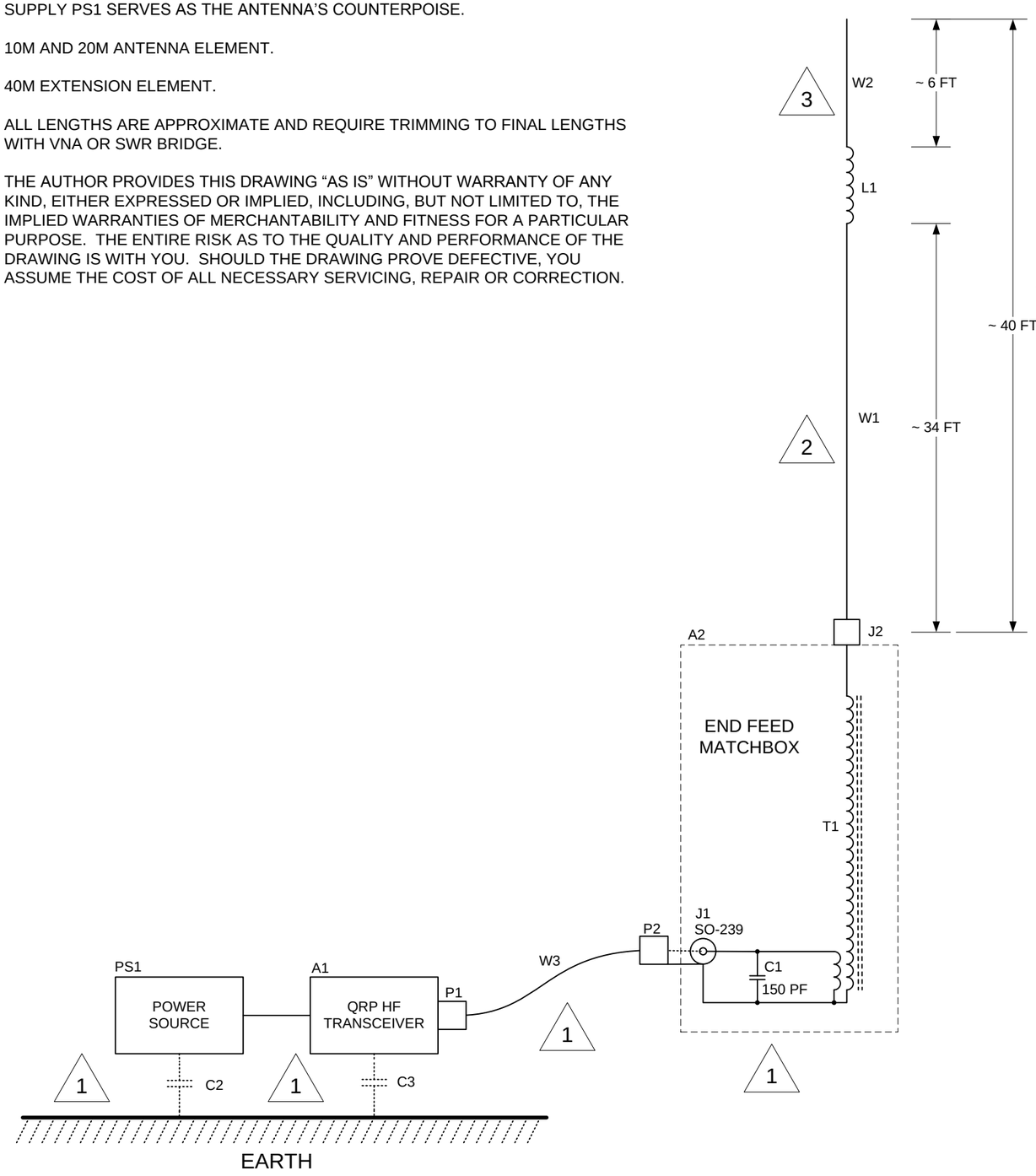
2 - 10M AND 20M ANTENNA ELEMENT.

3 - 40M EXTENSION ELEMENT.

4 - ALL LENGTHS ARE APPROXIMATE AND REQUIRE TRIMMING TO FINAL LENGTHS WITH VNA OR SWR BRIDGE.

5 - THE AUTHOR PROVIDES THIS DRAWING "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE DRAWING IS WITH YOU. SHOULD THE DRAWING PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
-	-	INITIAL REV	2012-01-11	J. HUGGINS
1B	A	CORRECTED COIL DIMENSIONS	2013-07-01	J. HUGGINS



PARTS LIST			
ITEM	QTY.	REFERENCE	DESCRIPTION
1	1	A1	TRANSCEIVER, HF, QRP
2	1	A2	LNR PRECISION ANTENNA MATCH BOX CONTAINING J1, J2, C1 AND T1
3	1	C1	CAPACITOR, 150 PF, 200V, CERAMIC
4	2	C2, C3	PARASITIC CAPACITANCE TO EARTH
5	1	J1	CONNECTOR, UHF, SO-239
6	1	J2	#10 STUD
7	1	L1	COIL, CHOKE - 51 TURNS, 26 AWG, 0.85 IN. DIA, 1.4 IN. LENGTH
8	2	P1, P2	CONNECTOR, UHF, PL-259
9	1	PS1	POWER SOURCE FOR TRANSCEIVER
10	1	T1	~1" TOROID WITH 26 AWG WIRE, BIFILAR WINDING FIRST THREE TURNS
11	2	W1, W2	WIRE, 18 AWG, STRANDED, COPPERWELD, POLY JACKET, UV RESISTANT
13	1	W3	CABLE, COAXIAL, 50 OHM, RG58 OR EQUIV.

A

JOHN HUGGINS, KX4O

ANTENNA SYSTEM SCHEMATIC DIAGRAM WITH LNR PRECISION 10/20/40 MKII QRP ENDZ

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SIZE	ENTITY	DWG NO	
B	KX4O	000056	
SCALE	NONE		SHEET 1 OF 1