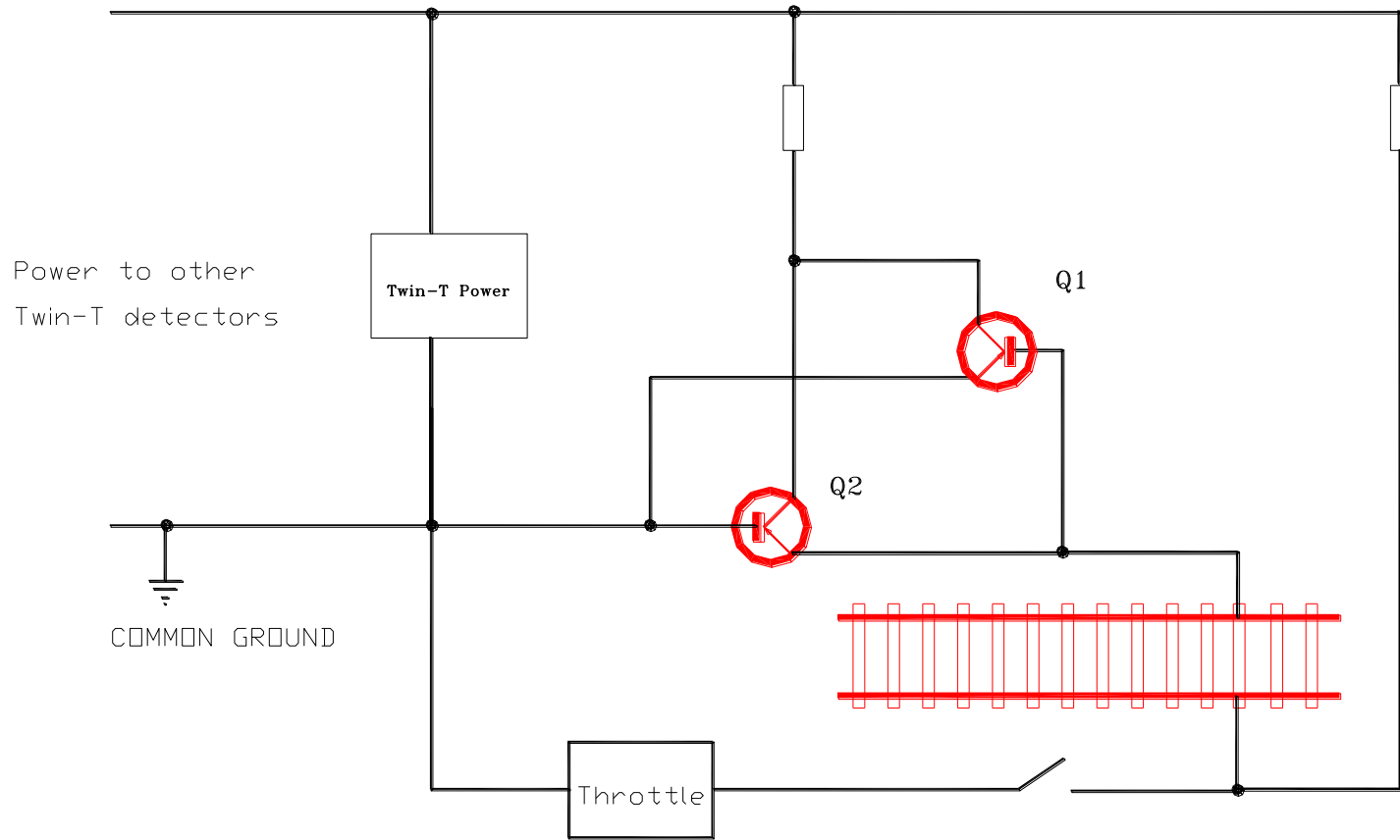
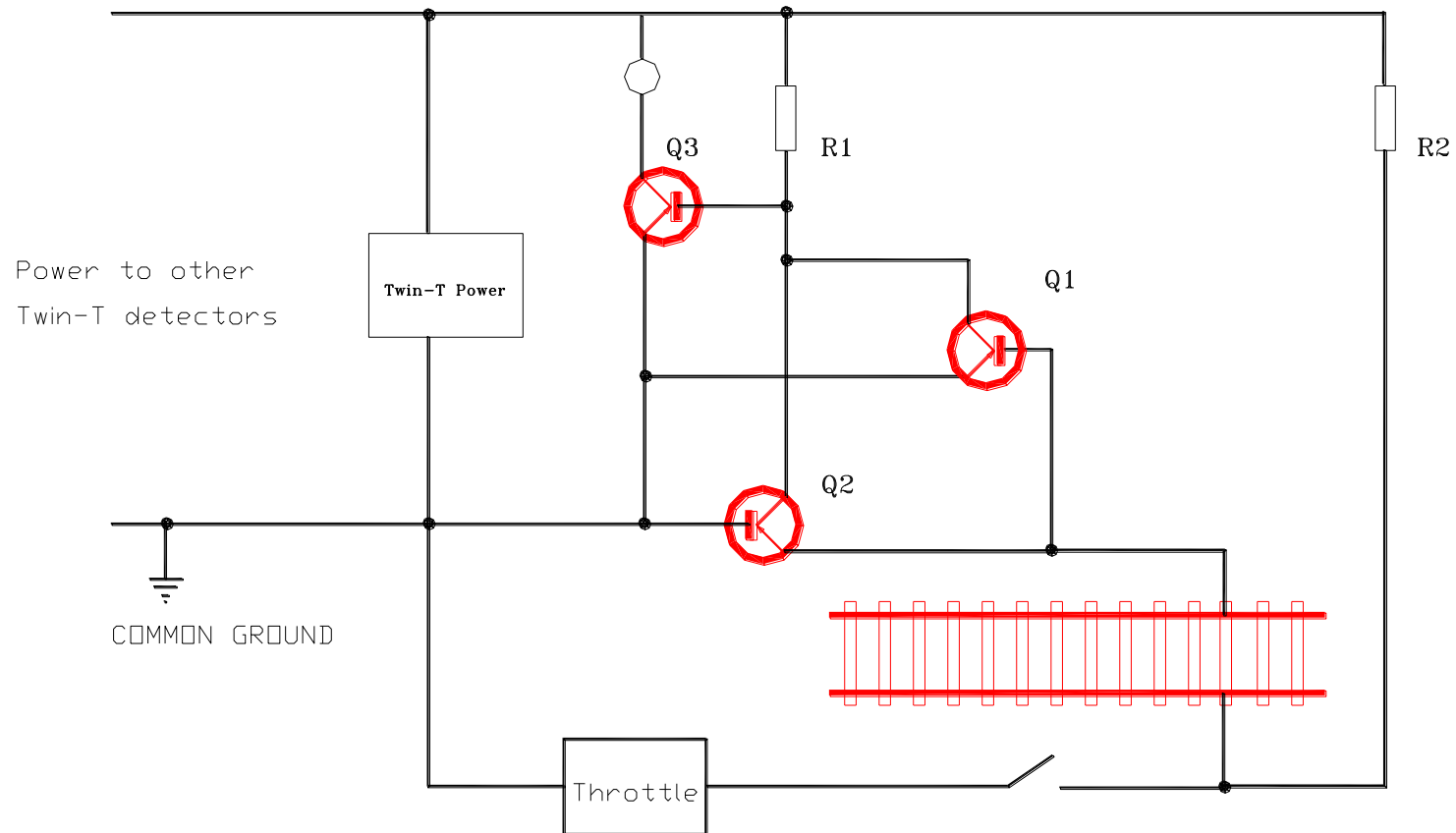


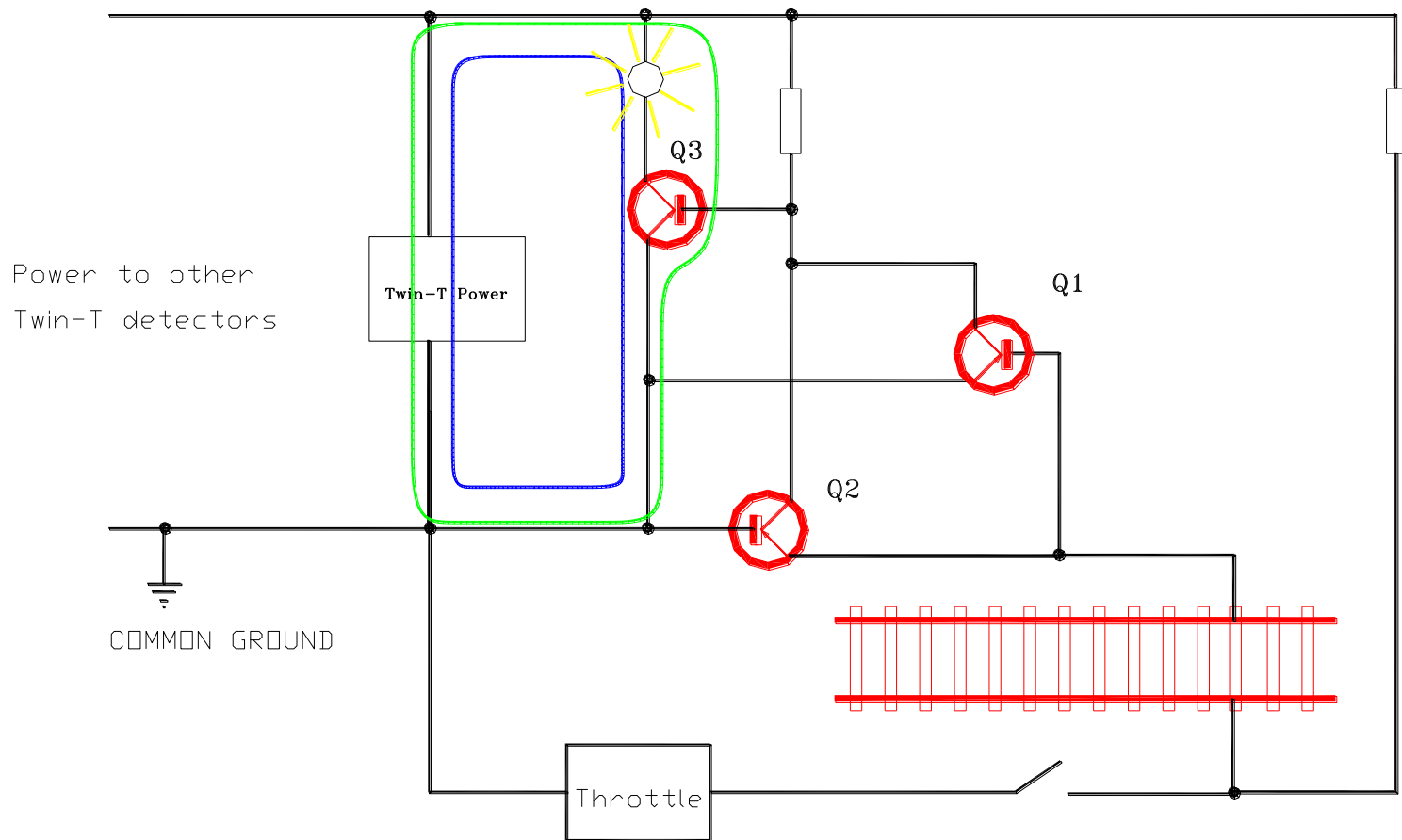
# Basic Twin-T



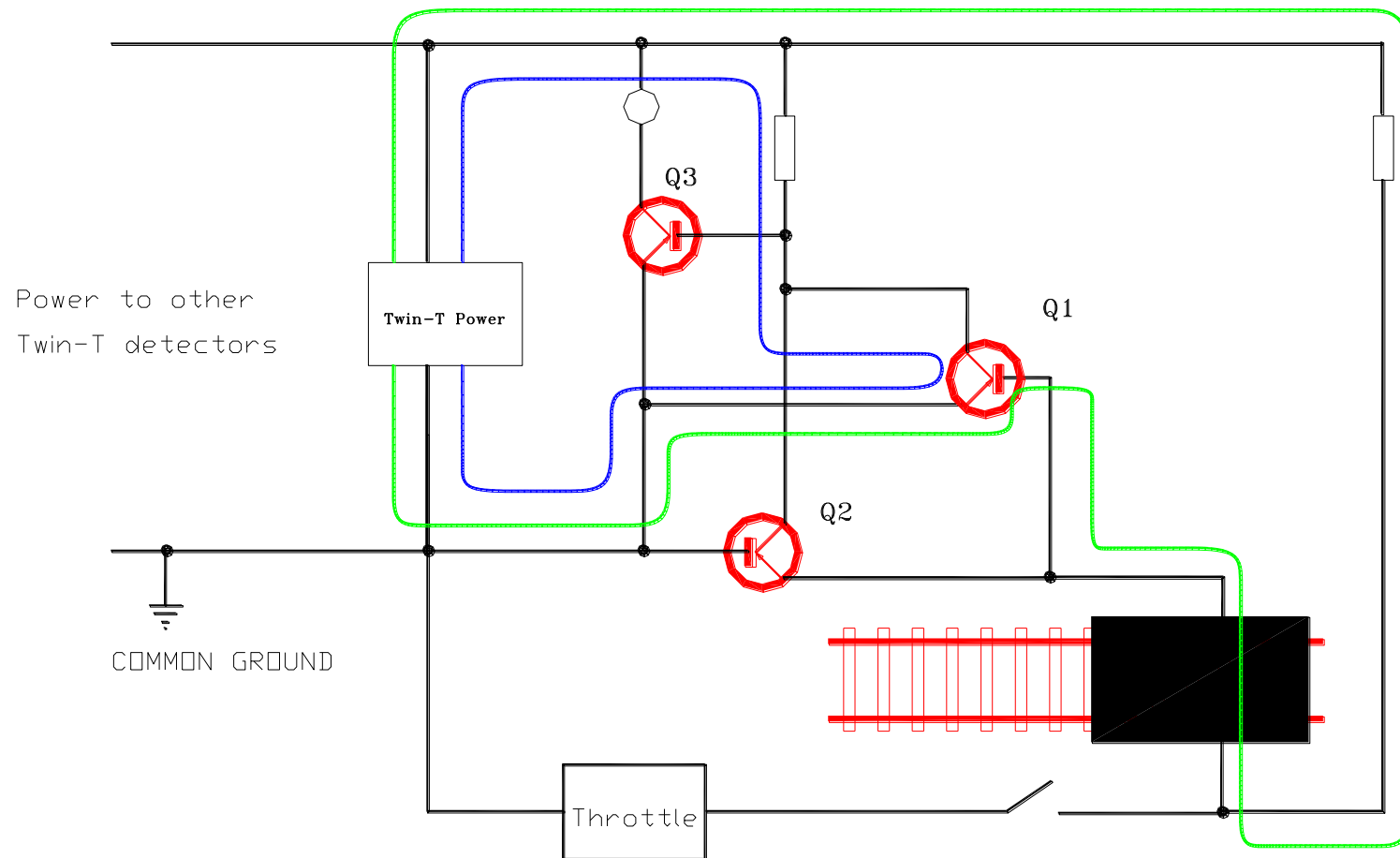
# Twin-T with amplifier



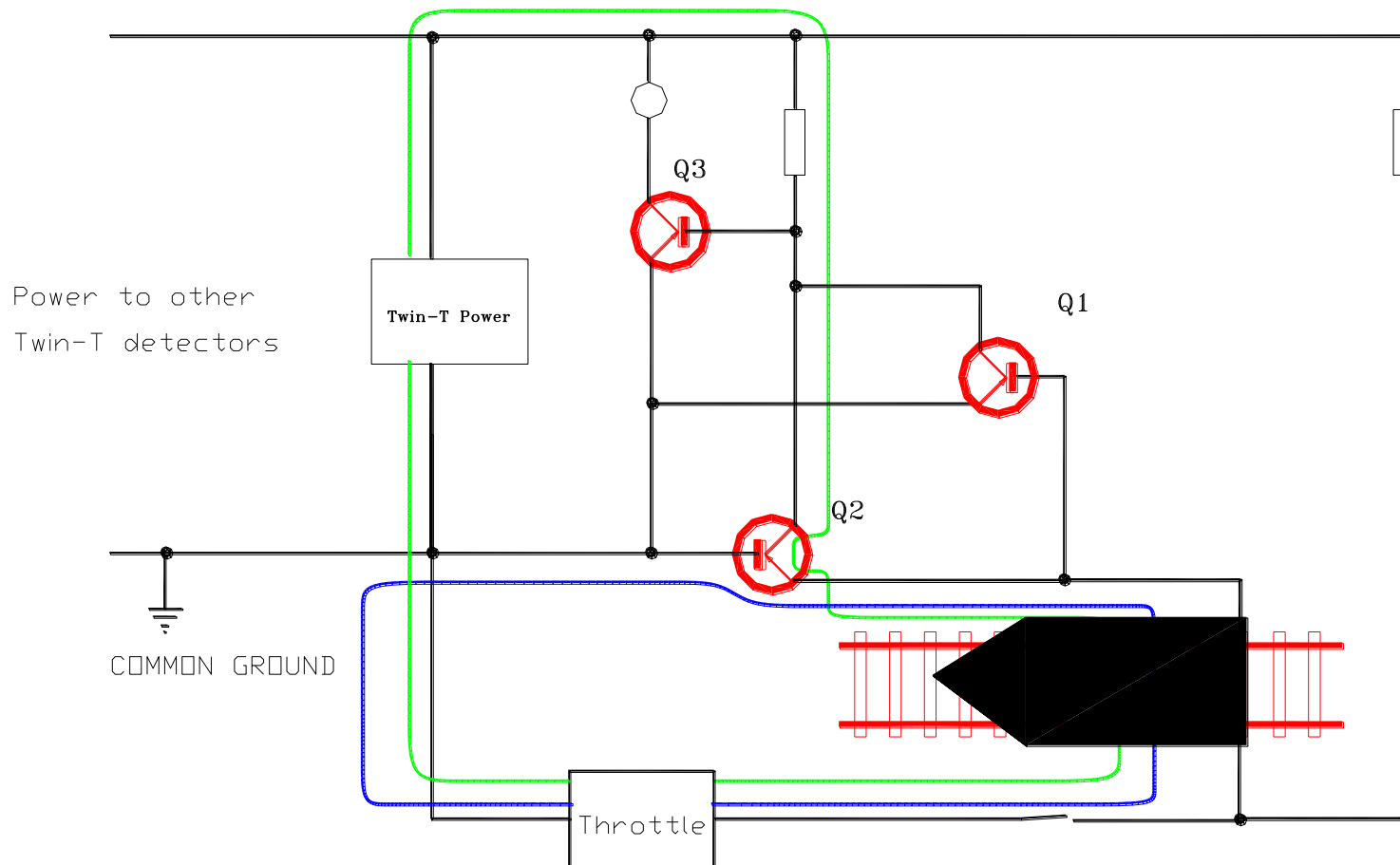
# No Train



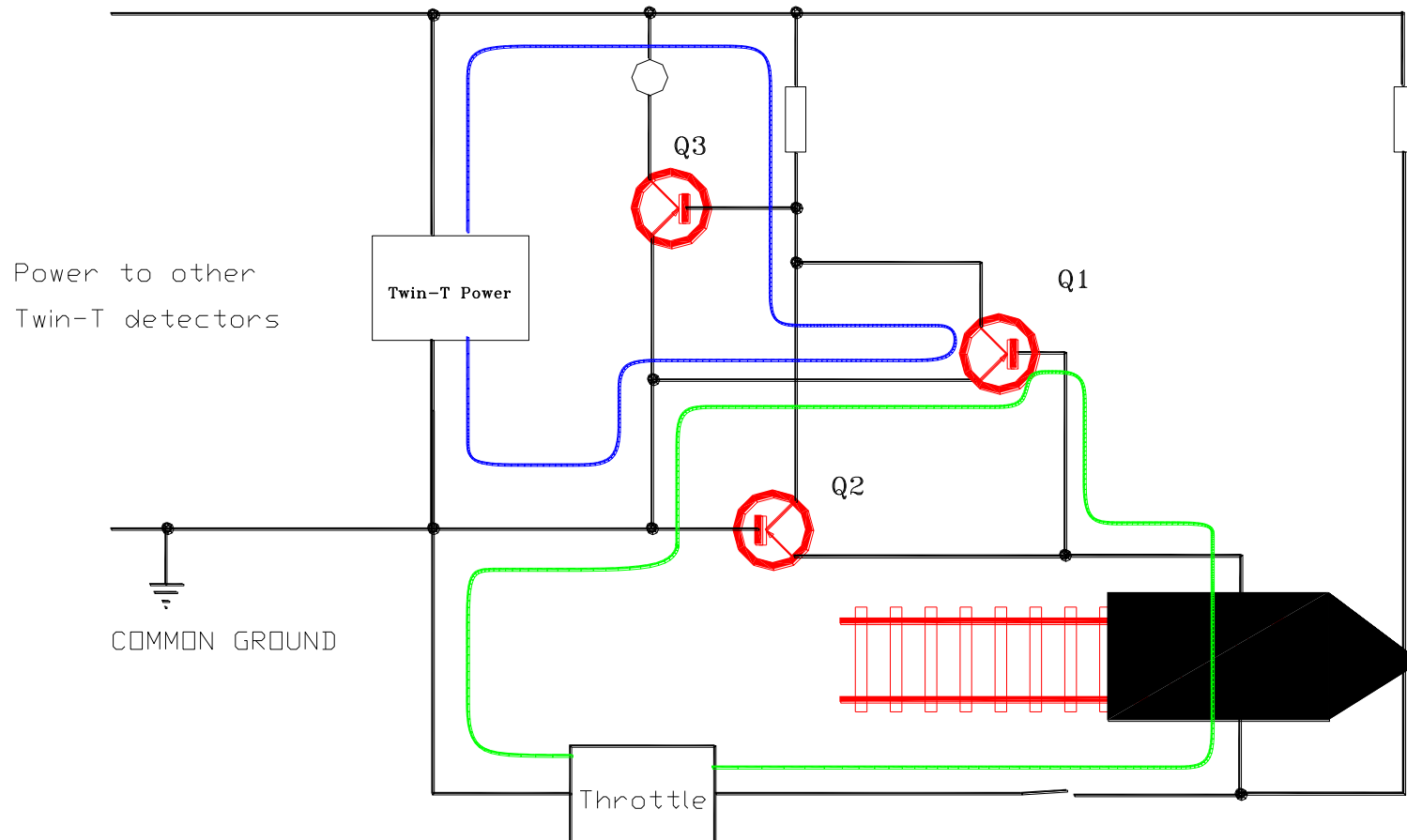
# Standing Train

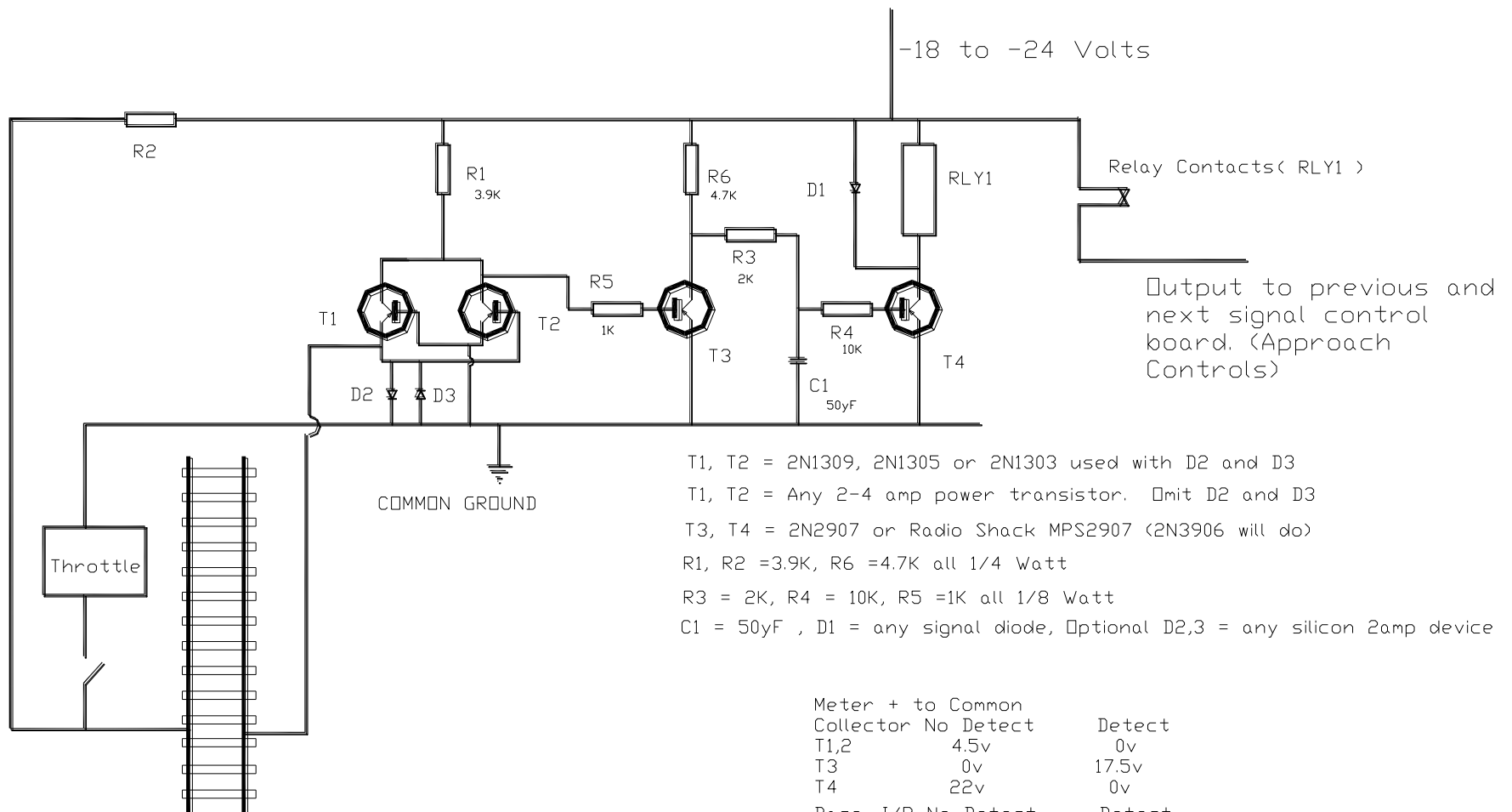


# Westbound train



# Eastbound Train





T1, T2 = 2N1309, 2N1305 or 2N1303 used with D2 and D3  
 T1, T2 = Any 2-4 amp power transistor. Omit D2 and D3  
 T3, T4 = 2N2907 or Radio Shack MPS2907 (2N3906 will do)  
 R1, R2 = 3.9K, R6 = 4.7K all 1/4 Watt  
 R3 = 2K, R4 = 10K, R5 = 1K all 1/8 Watt  
 C1 = 50yF , D1 = any signal diode, Optional D2,3 = any silicon 2amp device

Meter + to Common		
Collector	No Detect	Detect
T1,2	4.5v	0v
T3	0v	17.5v
T4	22v	0v
Base, I/P	No Detect	Detect
D2,3	0v	0.3v
T3	0.3v	0v
T4	0v	0.7v
C1	0v	8v