FFA State Finals: Ag. Mechanics Electrical Skills, 2017

You are required to wire a single circuit, all fed by **ONE** single pole circuit breaker (assumed to be **15 amp**) in the service entrance/sub panel.

Specifications (see graphic below):

1. Wiring is to be done according to the NEC.
2. Include a short power source cable (14-2 w/gnd) to the SEP
3. Local codes require a grounding wiring to be included in all conduit circuits.
4. Box “C” is to include **one** SPST switch, to control a receptacle in Box A.
5. Box “B” is to include one 115 v. receptacle, fed from the circuit breaker.
6. Box “A” is to include a receptacle, controlled by the switch in Box C.
7. No conductor/wires are to run between the SEP and Box A.