

Job Planning Exercise: Replace HVAC System Circuit Breaker

Instructions

Screen, scope and develop job plan.

Include all determinable repair parts, materials, special tools, equipment, number of labor resources, and estimated labor hours necessary to complete the work request.

You will be required to make assumptions about the work request and the factory environment. State the assumptions as a side note and build the job plan from there.

Develop the job plan using a logical thought process, remembering to cover all aspects of the job so that any skilled person who receives this plan should be able to complete the work with minimal confusion.

Job plans are to be developed around the fact that factory maintenance will be performing the work. The work request is intended to be added to the maintenance backlog and scheduled at a later time.

Circuit Breaker Replacement Scenario

The “B” phase lug has burned off on the load side of the main circuit breaker for #2 ceiling ventilation fan in the Storeroom Main Office HVAC System (Equip 11210).

- The breaker is located in the cabinet adjacent to the ceiling mounted exhaust fan.
- The breaker cabinet is located directly over the main passageway in the Storeroom.
- The circuit breaker is a 120 amp, molded case, 480 VAC, 3-phase breaker.
- The breaker is fed from cubicle #4 in MCC #6, located at the end of the building about 400 feet away.
- You have decided to work around the sprinkler system without disabling it.

Develop a job plan to replace this breaker.