



Step 1

This shows the Main Loop – it goes from the cellar up to the attic, across the attic ceiling, and back down the other side to the cellar again, all in one piece. The three locators for the Main Loop are:

(1) minimum of $\frac{3}{4}$ " behind the Front Roof Overmolding (you will be covering the ceiling with liner paper after wiring and it won't stick if there's less than $\frac{3}{4}$ " of wood to glue it to), and
 (2) $\frac{3}{4}$ " away from wherever you will be putting the cross-Dividers (the diamond lines "◊◊◊◊" in the diagram). You should figure out where you want those dividers and run the Main Loop either in front of or behind to avoid being too close, but the ideal place is close to the center of the landing. So
 (3) start with the Main Loop plan there ($12\frac{3}{4}$ from the back edge to the back edge of the tapewire) and move it as necessary according to the other two constraints (but be aware that moving the Main Loop will also move the Ceiling Loop above and below the landing on the second floor, which will move the easiest place to put ceiling lights there).

This loop requires carving the overmolding in the attic unless you have an oscillating multitool, and the foundation will need carving to access the slot in the Base Floor. It can be run before the Attic Partitions are installed, or the top of the Attic Partitions can be slotted.