

Wiring Your Home or Business with RTC

1 All cables or network wires should be run to the *wiring closet*, which is typically an area in the electrical room of a home or business where all the wiring converges (this is referred to as a “home run” configuration.) The cables and network wires should include a minimum rated RG 6 coax and minimum rated Category 5E data cabling.

2 A minimum of one (1) Cat 5E cable and one (1) RG6 coax appear at each location you may intend to place your TV or computer. These two cables should be home run to the wiring closet. They should be terminated with an F connector and data jack at that location and likewise in the wiring closet.

3 Phone connections should be considered throughout the building and a Cat 5E wire should also be run to support this application. It is suggested that a coax wire also be pulled to these jack outlets if TVs could be located in the same area. Again, home run these wires - ***do not daisy chain outlets***.

4 Here are a few other things to consider:

- Appliances, such as refrigerators, are becoming networkable.
- Printers, fax machines, phones and other networkable devices may require data cabling. Install a separate wire for each intended device in the “home run” configuration, as consistent with the rest of the home network. A minimum of four (4) Cat 5E wires to a home office is recommended.
- RTC offers IP based surveillance cameras and those require a Cat 5E network cable installed between the camera location and the wiring closet.
- Multiple Dwelling Units require additional details. Please call RTC.

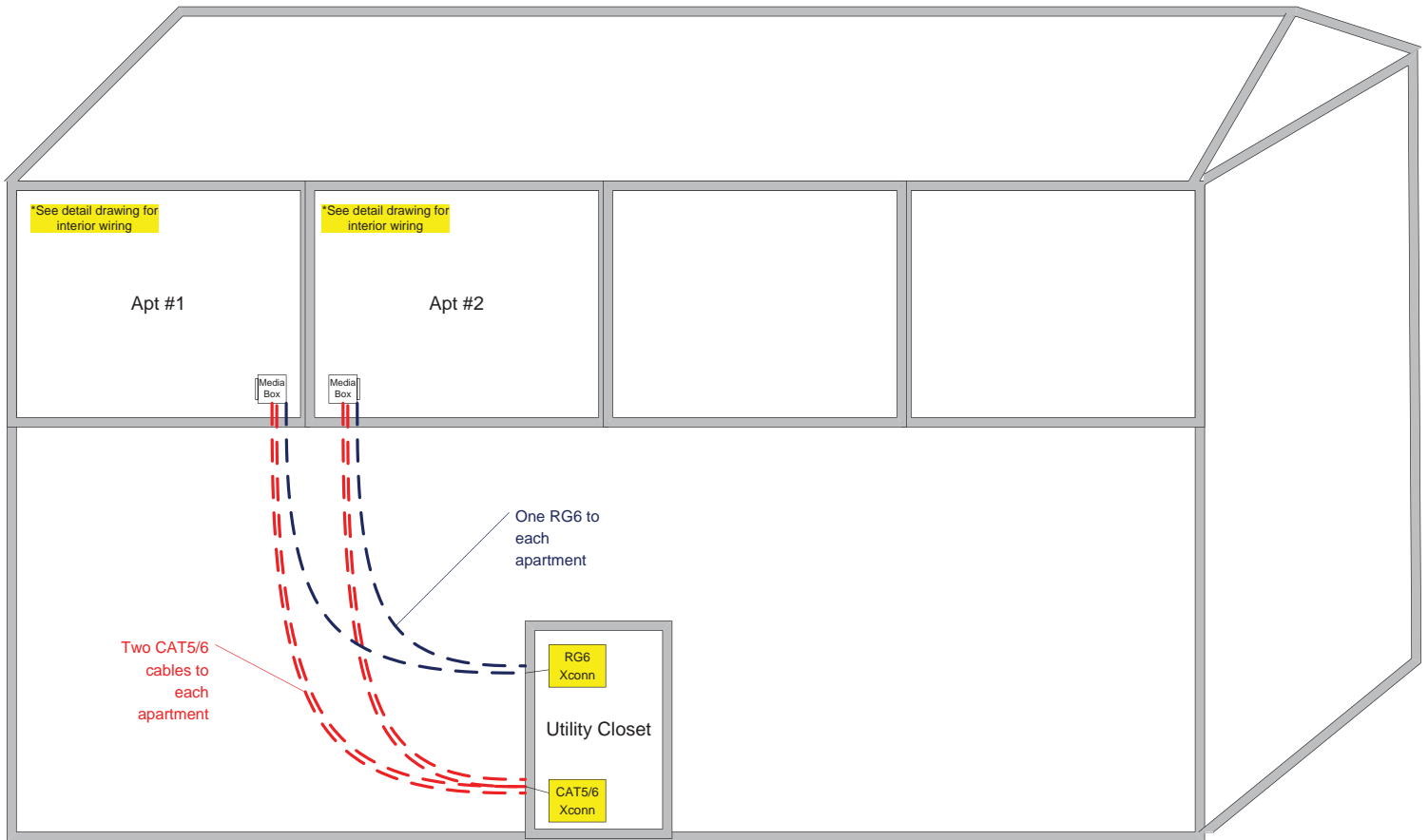
5 Please call RTC with any questions you or your electrician may have before the wiring of your home or business is complete. We will discuss your applications and any issues you may have before your walls are enclosed, which makes some wired installations nearly impossible.



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*See reverse side
for wiring diagrams.* 

Multi-Dwelling Sample Wiring Diagram



Multi-Dwelling wiring diagram for CAT5/6 and RG6

