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INSY 3303-002

C10 Exercise C

For the internal network infrastructure, the primary consideration is the type of network cabling to install. While 100Base-T (Fast Ethernet) is a viable option, it may limit the network's capabilities in the long term. Therefore, I recommend installing Category 6 (Cat6) Ethernet cabling throughout the house. Cat6 cabling offers higher performance and bandwidth compared to 100Base-T, making it more suitable for handling data-intensive tasks and supporting future technologies such as Gigabit Ethernet and beyond.

When it comes to internet access technology, several options are available, including Digital Subscriber Line (DSL), cable, fiber-optic, and wireless technologies like 5G. Each option has its pros and cons, but considering factors such as speed, reliability, and future scalability, I recommend fiber-optic internet for the new home.

In conclusion, for the internal network infrastructure, I recommend installing Cat6 Ethernet cabling to ensure high-performance networking capabilities and futureproofing. For internet access technology, I recommend opting for fiber-optic internet due to its superior speed, reliability, and scalability. By implementing these recommendations, your new home will be equipped with a robust and efficient networking solution to meet your current and future needs.