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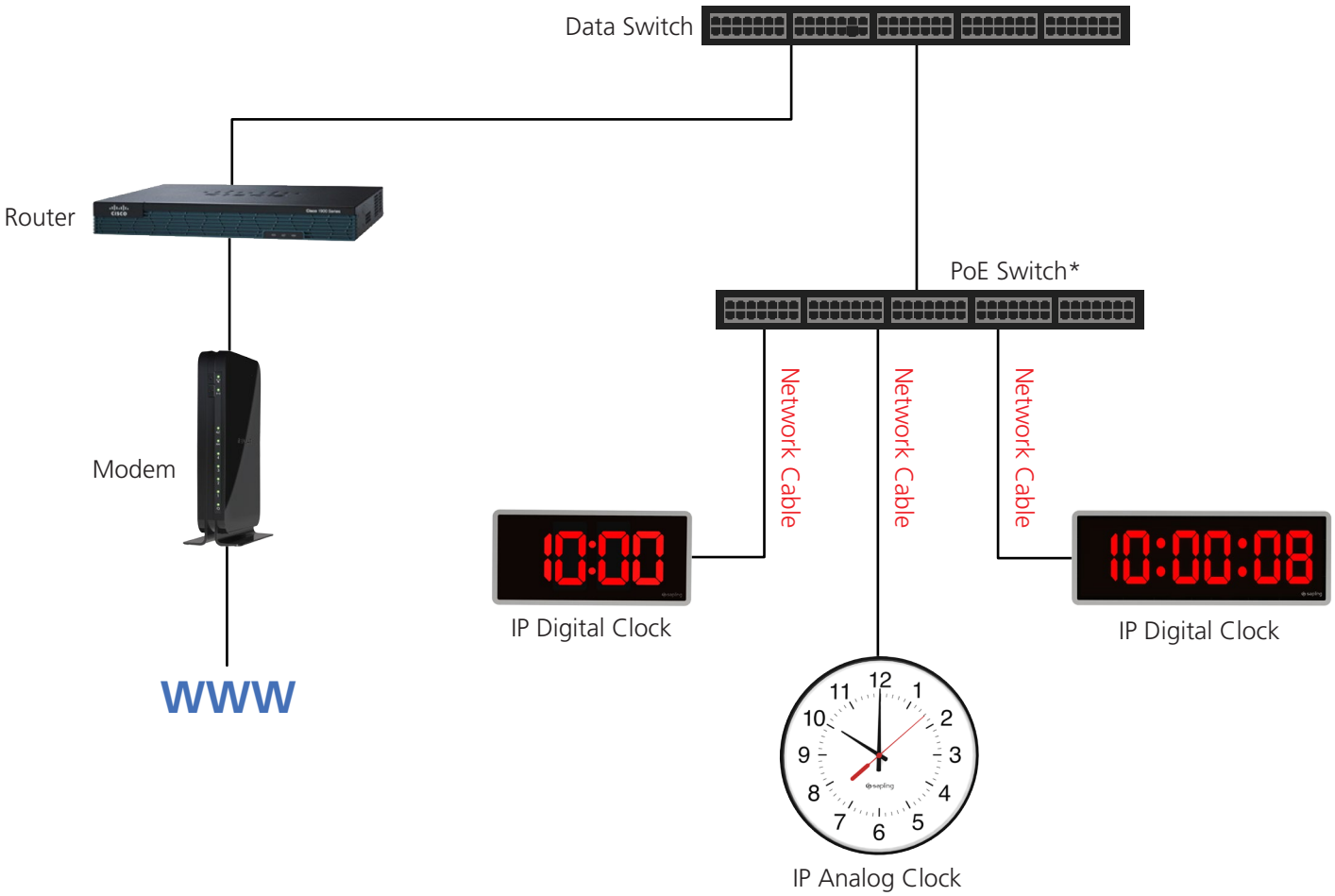
Synchronized Clock Systems

Sapling IP-PoE Clock System Line Drawing

Configuration A

Sapling IP-PoE clocks receiving the time data from third party NTP time servers via the internet.



*PoE Switch is required for IP Analog & IP Digital Clocks

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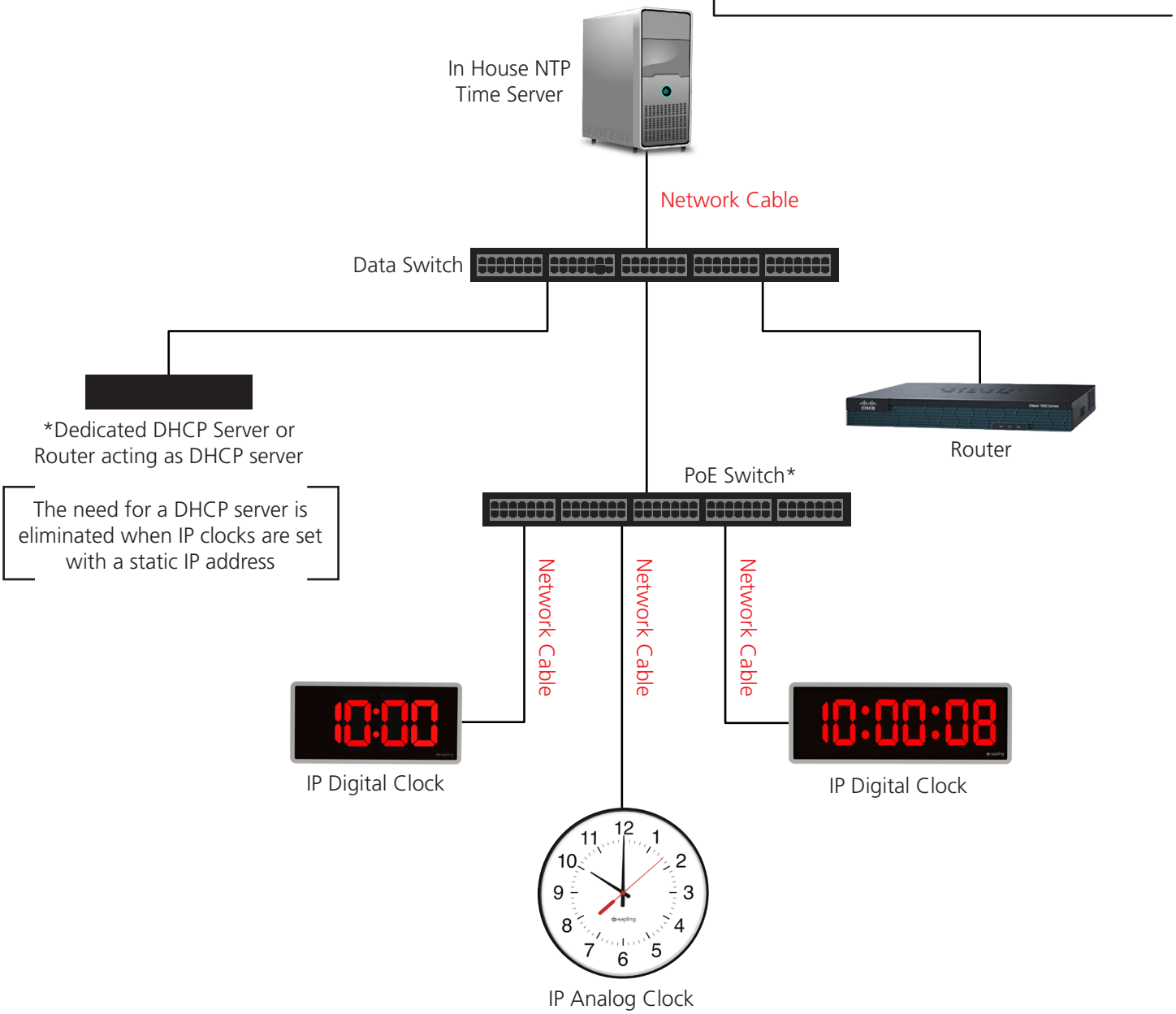
Configuration B

Sapling IP-PoE clocks receiving the time data from an in house NTP time server.



*PoE Switch is required for IP Analog & IP Digital Clocks

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Configuration C

Sapling IP-PoE clocks can be programmed with the master clock's IP address to take the time data. This configuration will require setting the master clock's IP address to static.

GPS Time Input (optional)

GPS Cable

Master Clock

Local Power

Network Cable

Data Switch

*Dedicated DHCP Server or Router acting as DHCP server

The need for a DHCP server is eliminated when IP clocks are set with a static IP address

Router

PoE Switch*

Network Cable

Network Cable

Network Cable

IP Digital Clock

IP Digital Clock

IP Analog Clock

*PoE Switch is required for IP Analog & IP Digital Clocks

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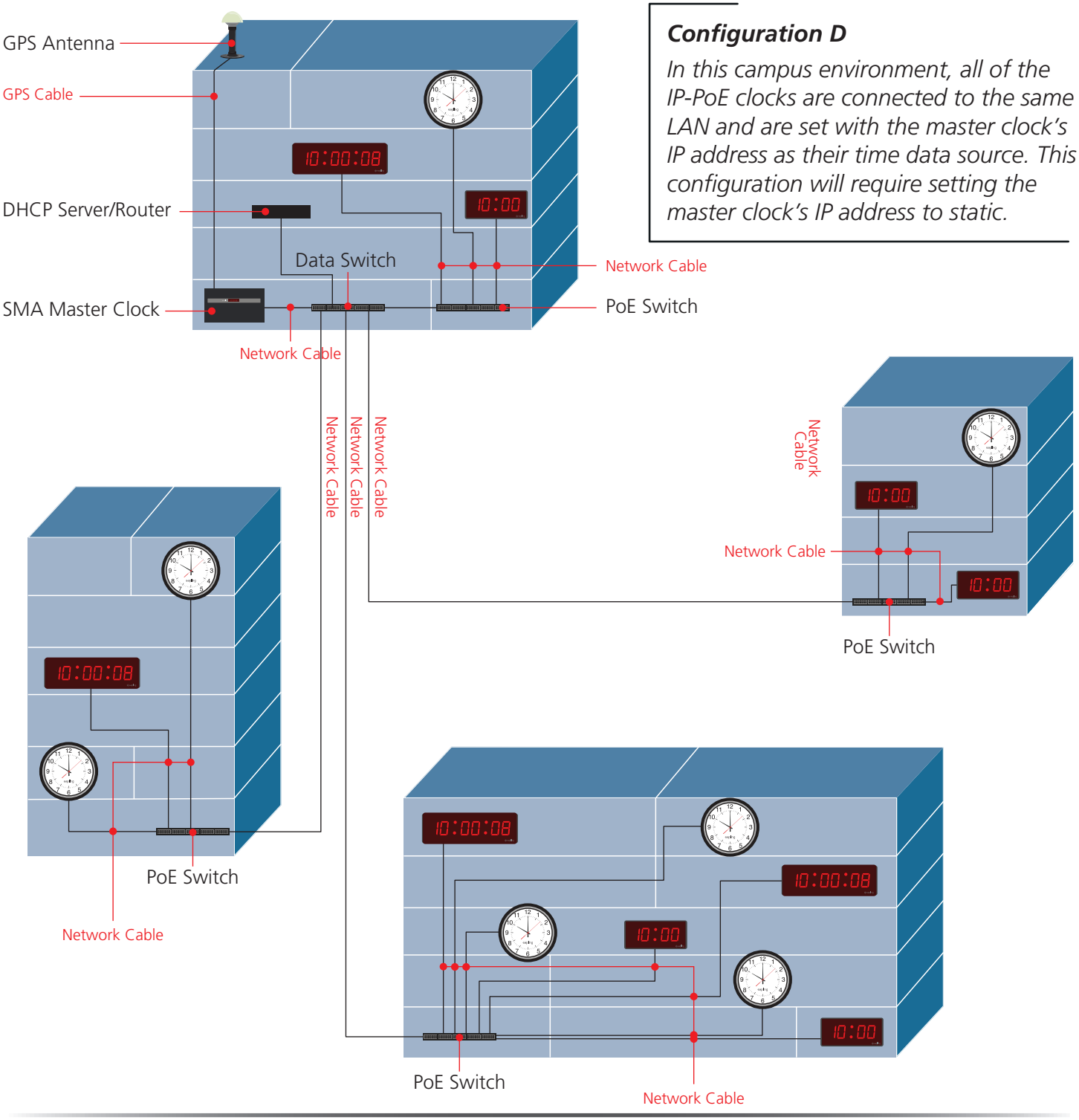
Sapling IP-PoE Clock System - Campus Environment Line Drawing



Configuration D

In this campus environment, all of the IP-PoE clocks are connected to the same LAN and are set with the master clock's IP address as their time data source. This configuration will require setting the master clock's IP address to static.

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