Building — 60 m

Data room, Plenum STP, PVC UTP, Parking lot, 110 m

| Protocol | Port | Protocol | Port |
|---|---|---|---|
| FTP – File Transport Protocol | 20, 21 | IMAP4 – Internet message access protocol version 4 | 143 |
| SSH – Secure Shell | 22 | | |
| SFTP – Secure File Transport Protocol (uses SSH) | 22 | SNMP Trap – Simple Network Management Protocol Trap | 162 |
| SCP – Secure Copy (uses SSH) | 22 | | |
| Telnet | 23 | LDAP – Lightweight Directory Access Protocol | 389 |
| SMTP – Simple Mail Transport Protocol | 25 | SNMP – Simple Network Management Protocol | 161 |
| TACACS – Terminal Access Controller Access-Control System | 49 | SSL VPN – Secure Sockets Layer | 443 |
| DNS – Domain Name System | 53 | HTTPS – Hypertext Transfer Protocol Secure | 443 |
| DHCP – Dynamic Host Configuration Protocol | 67, 68 | ISAKMP (VPN) – Internet Security Association and Key Management Protocol | 500 |
| TFTP – Trivial File Transport Protocol | 69 | | |
| HTTP – Hypertext Transfer Protocol | 80 | Syslog | 514 |
| Kerberos | 88 | L2TP – Layer 2 Tunneling Protocol | 1701 |
| POP3 – Post Office Protocol version 3 | 110 | PPTP – Point-to-Point Tunneling Protocol | 1723 |
| NNTP – Network News Transfer Protocol | 119 | RDP – Remote Desktop Protocol | 3389 |



EoP

Data room, PoE

Building
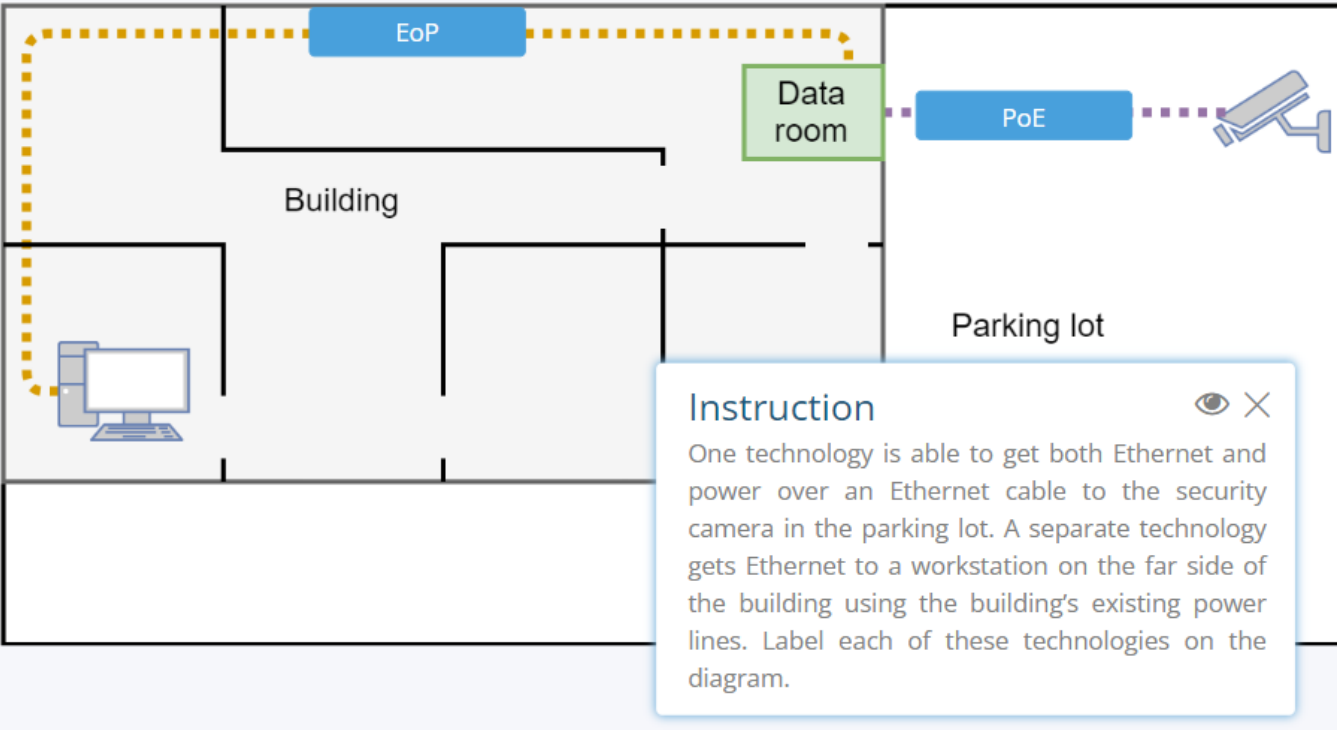
Parking lot

## Instruction

One technology is able to get both Ethernet and power over an Ethernet cable to the security camera in the parking lot. A separate technology gets Ethernet to a workstation on the far side of the building using the building's existing power lines. Label each of these technologies on the diagram.