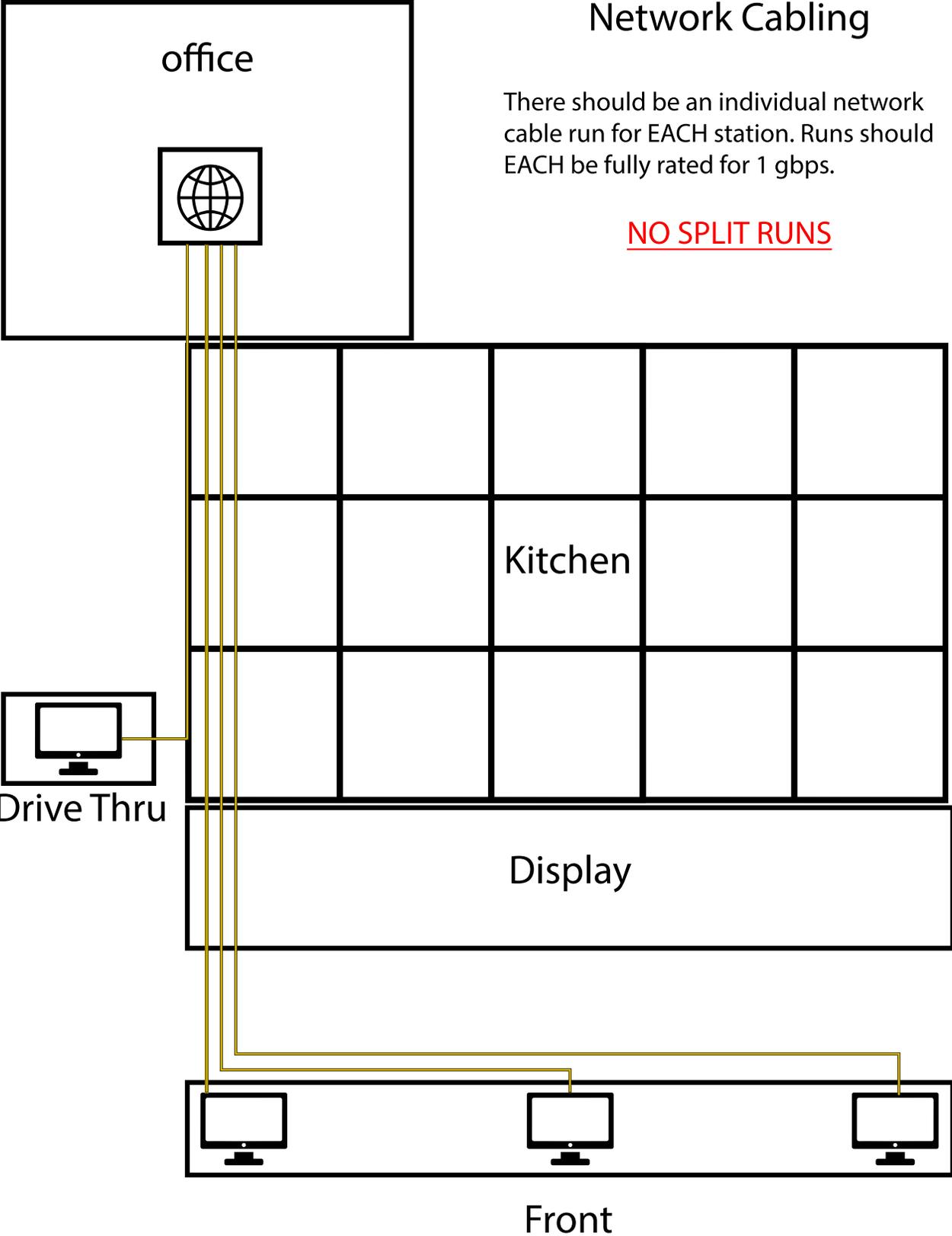


Network Cabling

There should be an individual network cable run for EACH station. Runs should EACH be fully rated for 1 gbps.

NO SPLIT RUNS



DATA WIRING

As with electrical, Data Cable specifications are equally important, and should be strictly adhered to in order to ensure the proper operation of your **Focus POS** system.

Key Points to Consider When Installing the Data Cable:

1. UTP CAT5e or CAT6 - 4 Pair Twisted Type Data Cable (PVC or Teflon jacket, according to fire code). Each workstation (POS terminal) requires one (1) separate run back to the main patch panel. Each remote printer requires one (1) separate run back to the main patch panel. In areas where cables may receive interference by either electrical, radio, or a physical nature, it is highly recommended that data cables be run in a metal conduit. **Note:** The patch panel normally should be located in the office near the internet modem and back office machine. Additional cabling might be necessary if these devices are not located near each other.

You must also have an electrical outlet available to power the network switch, router and Internet modem.

2. Standard CAT5e/CAT6 compliant punch down using **568B** wire sequence. This can be a wall plate or surface mount **FEMALE** receptacle.

3. All cables should terminate at the network patch panel. A **CAT5e/CAT6** patch panel with enough ports should be installed in order to accommodate existing, and possible future additions to the system.

Example: A system with (4) stations and (2) remote prep printers would require (6) ports: **4 stations x 1 = 4 + 2 prep printers x 1 = 2 TOTAL = 6 ports**

We recommend that the patch panel has a few unused ports available for future use. Patch panels usually come with ports in multiples of (4).

4. All terminations at the terminal or printer side require an **RJ45** type **FEMALE** receptacle, either wall or surface mount completed according to CAT5e/CAT6 specifications. The punch sequence should be identical to the patch panel side (**568B**). Terminations and electrical outlets should be located within **(24) inches** of the device, with access holes cut in any installed counters to facilitate POS terminal wiring. We recommend if possible the receptacles could be placed above counter for easy of troubleshooting.

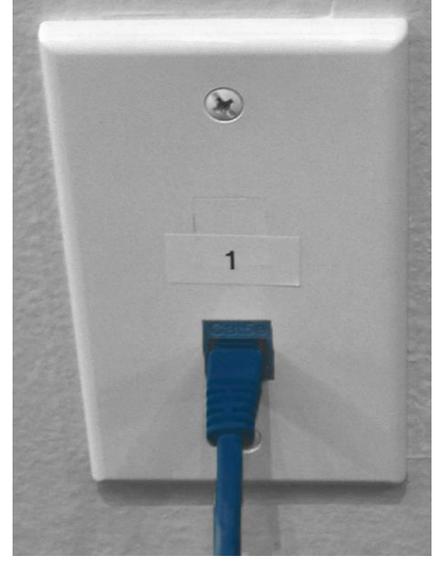
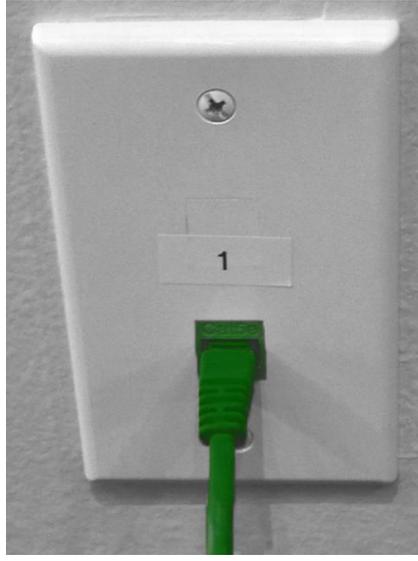
5. If terminals and/or printers are being wall mounted, then the necessary adjustments to the placement of the electrical and data terminations must be made in order to ensure a clean, aesthetic look, without wires hanging down the front of the wall. Terminal/Printer wall mount templates and hardware dimensions can be supplied upon request.

INITIALS: _____

PATCH PANEL



FEMALE RECEPTACLE LABELED



INITIALS: _____