

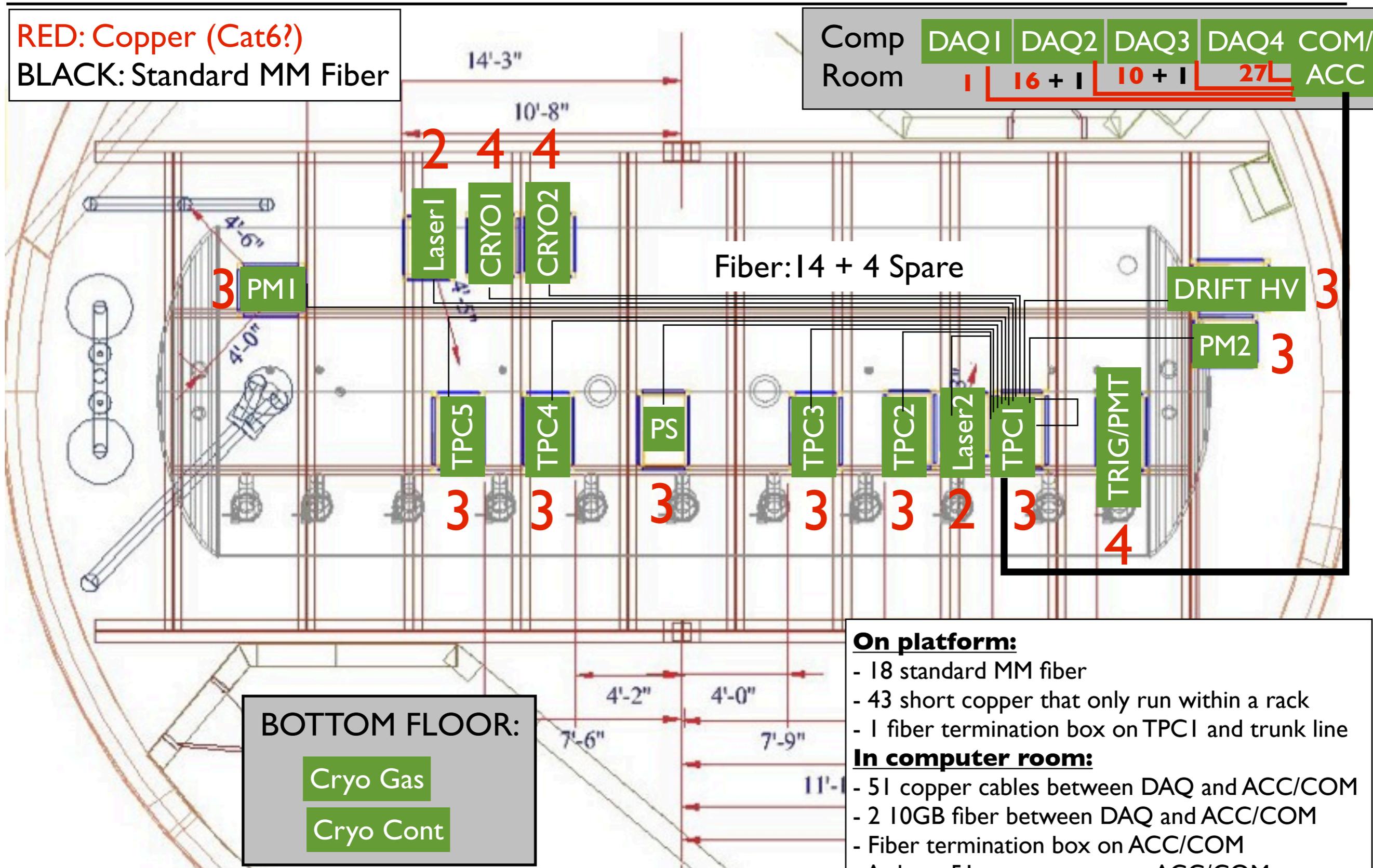
Network Cable Plant for LArTF Computer Room

Bryce Littlejohn

Network Cable Plant

RED: Copper (Cat6?)
BLACK: Standard MM Fiber

Comp Room	DAQ1	DAQ2	DAQ3	DAQ4	COM/ACC
	1	16 + 1	10 + 1	27	

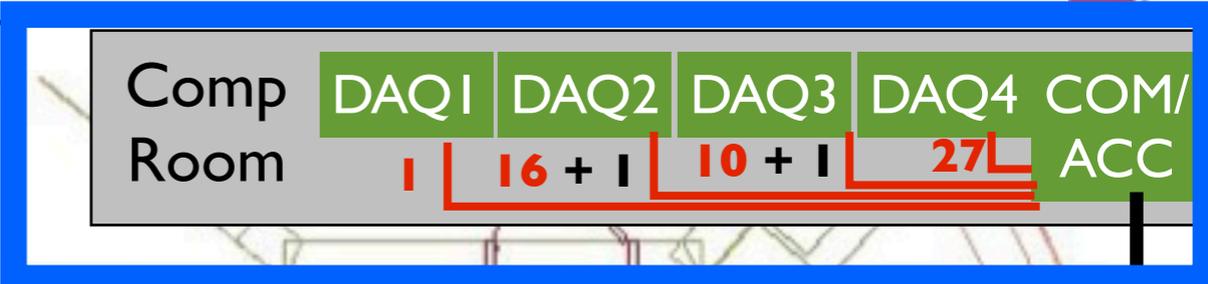


BOTTOM FLOOR:
Cryo Gas
Cryo Cont

- On platform:**
- 18 standard MM fiber
 - 43 short copper that only run within a rack
 - 1 fiber termination box on TPC1 and trunk line
- In computer room:**
- 51 copper cables between DAQ and ACC/COM
 - 2 10GB fiber between DAQ and ACC/COM
 - Fiber termination box on ACC/COM
 - At least 51 copper ports on ACC/COM
 - At least 18 fiber ports on ACC/COM

Network Cable Plant

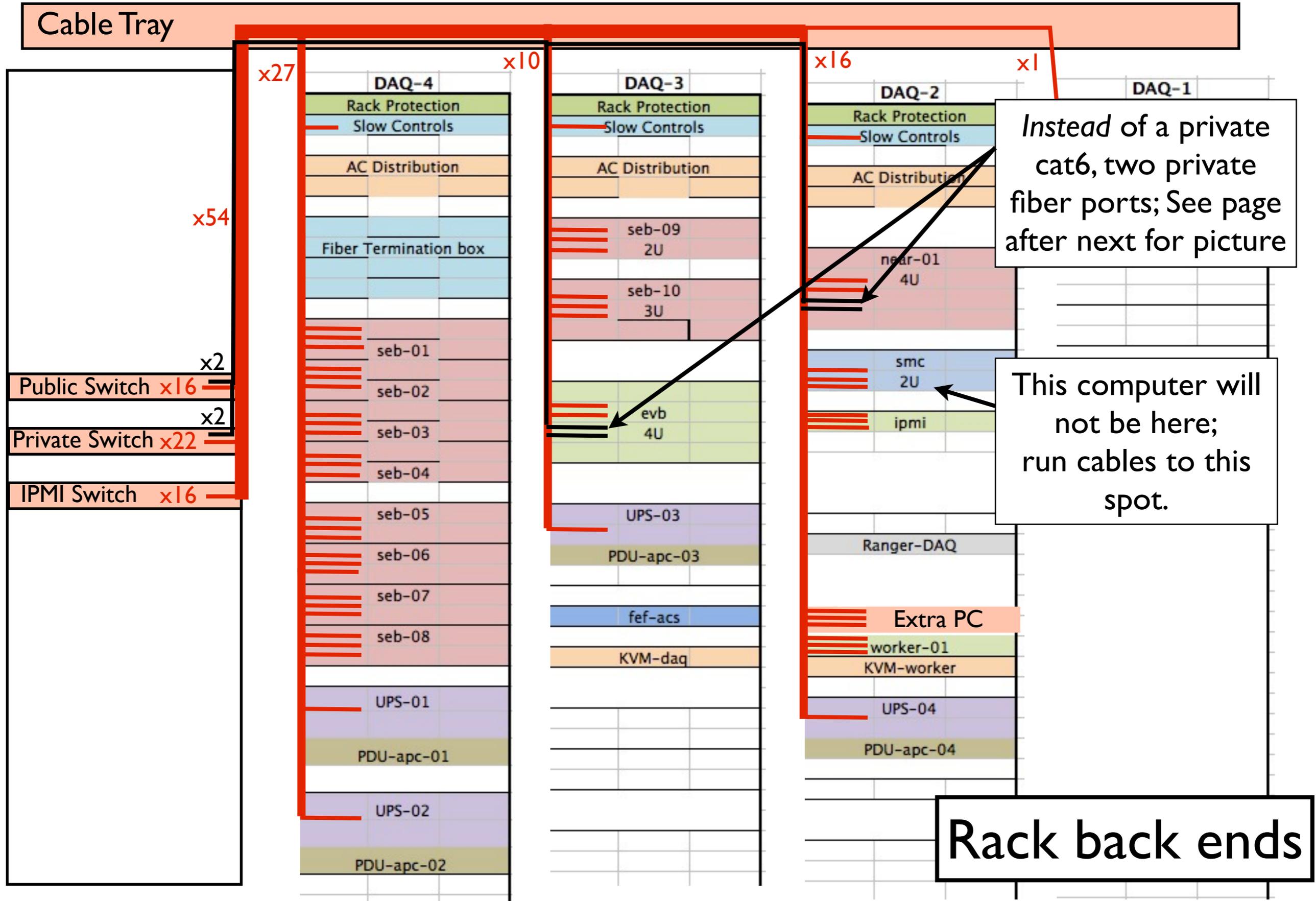
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Focusing only on computer room part in this document

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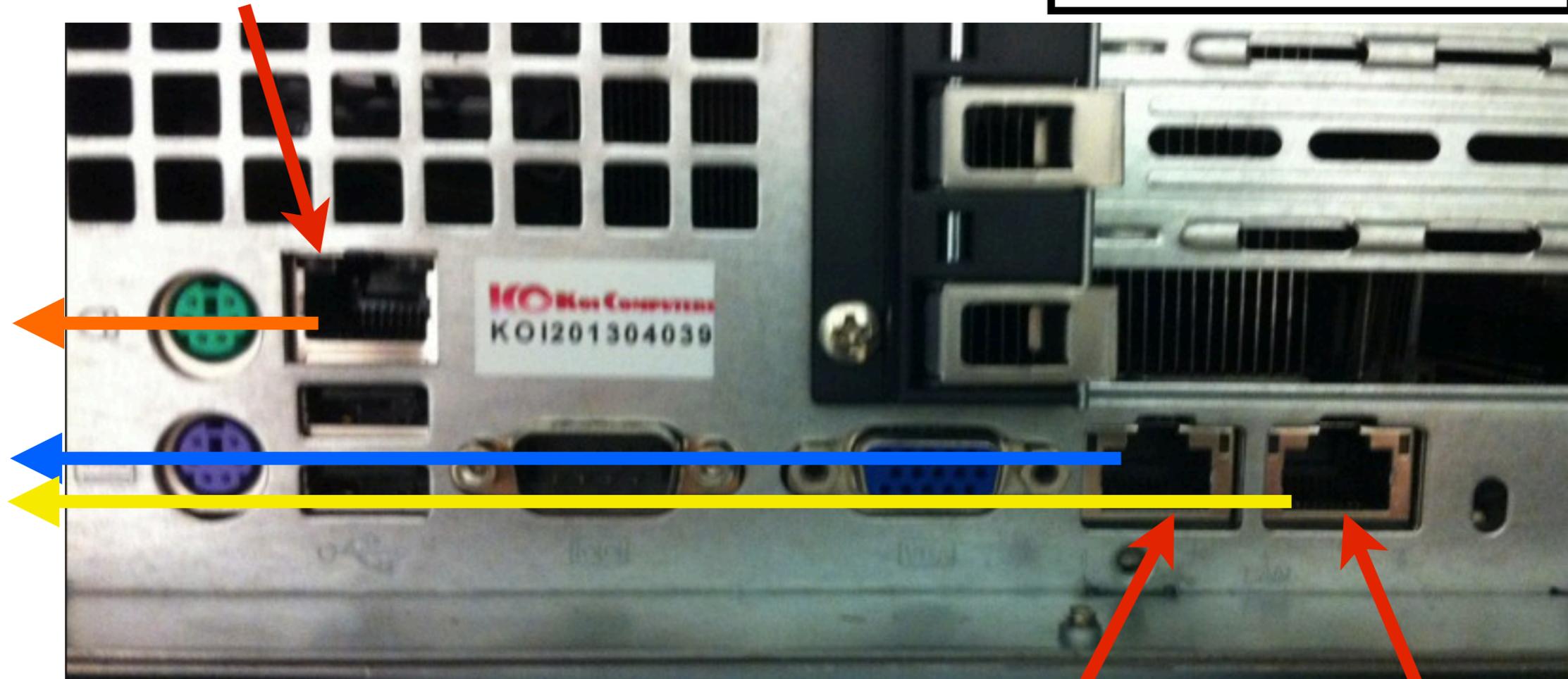
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Same port orientation for all computers

Color-coded cat6 cables:
IPMI: Orange
Public: Yellow
Private: Blue

IPMI Network Port;
to IPMI Switch on Network Rack



Private Network Port;
to Private Switch on
Network Rack

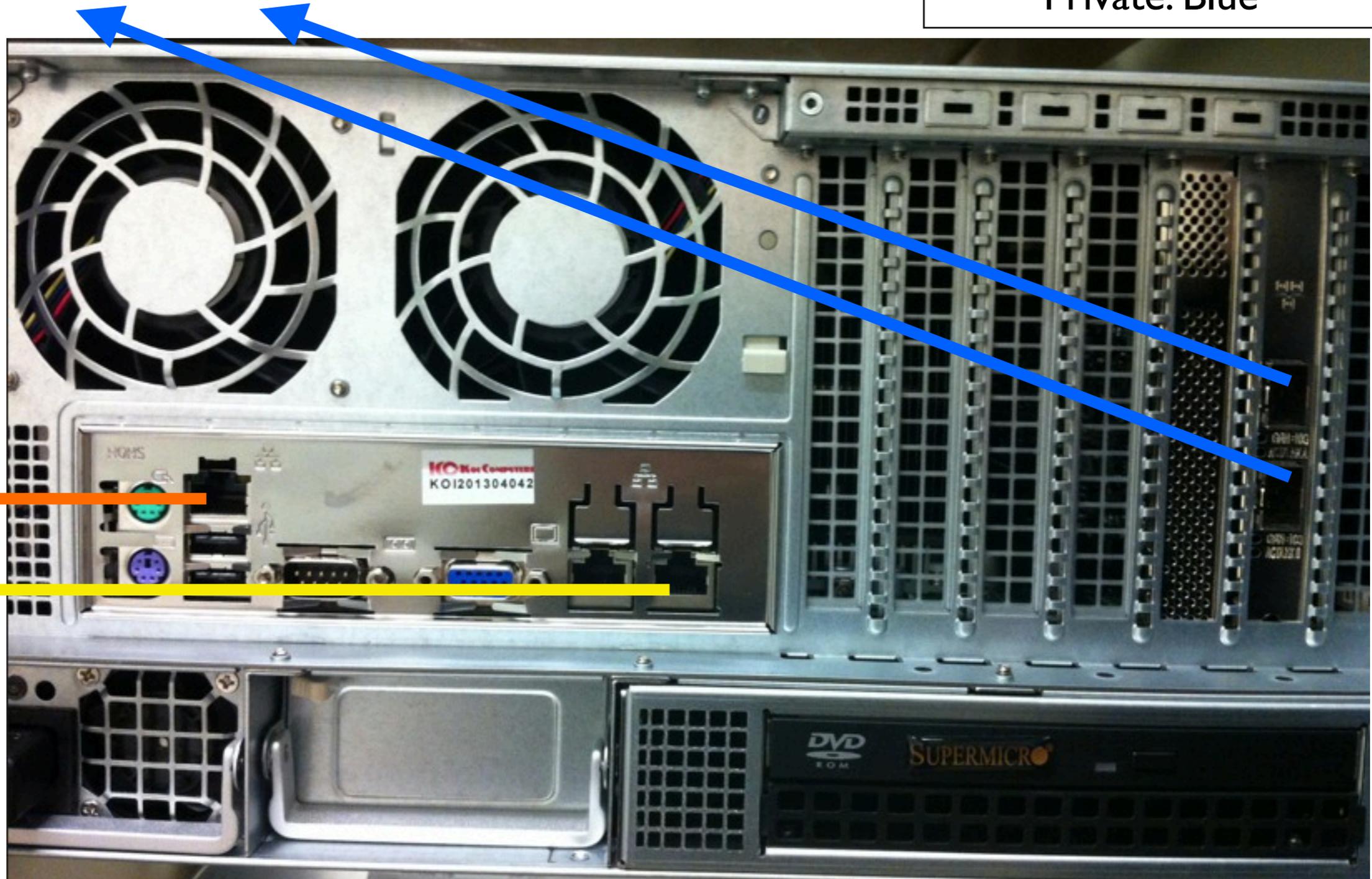
Public Network Port;
to Public Switch on
Network Rack

Blue 10GB Fiber Private ports;
both to either private or public
switch fiber ports.

Color-coded cat6 cables:
IPMI: Orange
Public: Yellow
Private: Blue

IPMI Network
Port;
to IPMI Switch
on Network
Rack

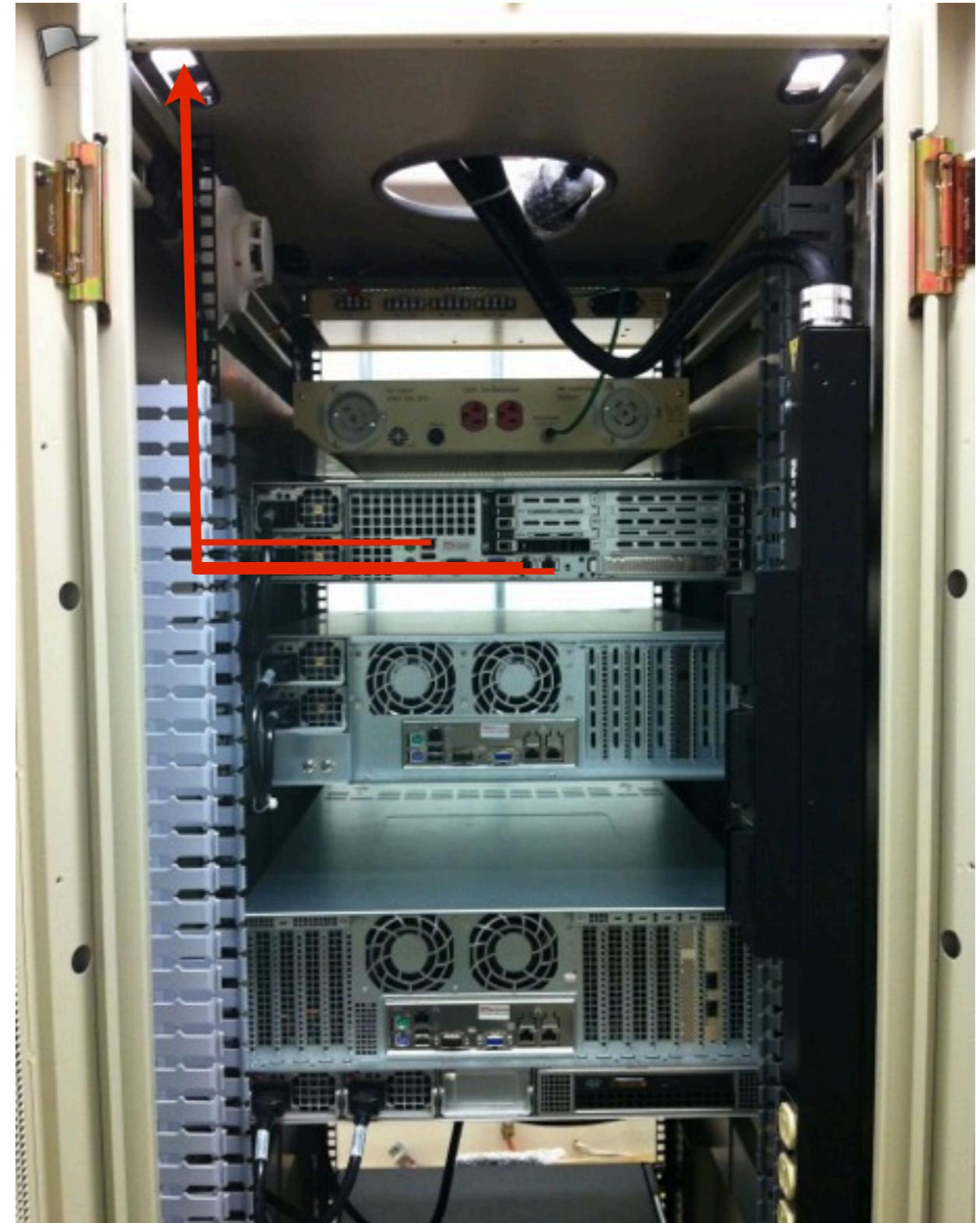
Public Network
Port; to Public
Switch on
Network Rack



Cat6 cable out of ports, directly out to the side into cable tray, then up and out of rack through rack-top slot

Repeat for every computer; bundle all Cat6 cables when going up and out of the rack.

Above rack, Cat6 bundle goes to cable tray above racks, down onto front of Networking rack



Cable lengths are listed on cable labels.

Cable lengths also listed here:

- DAQ4 cables: 17'
- DAQ3 cables: 19'
- DAQ2 and DAQ1 cables: 21'

Network switch port numbers also listed on cable labels.