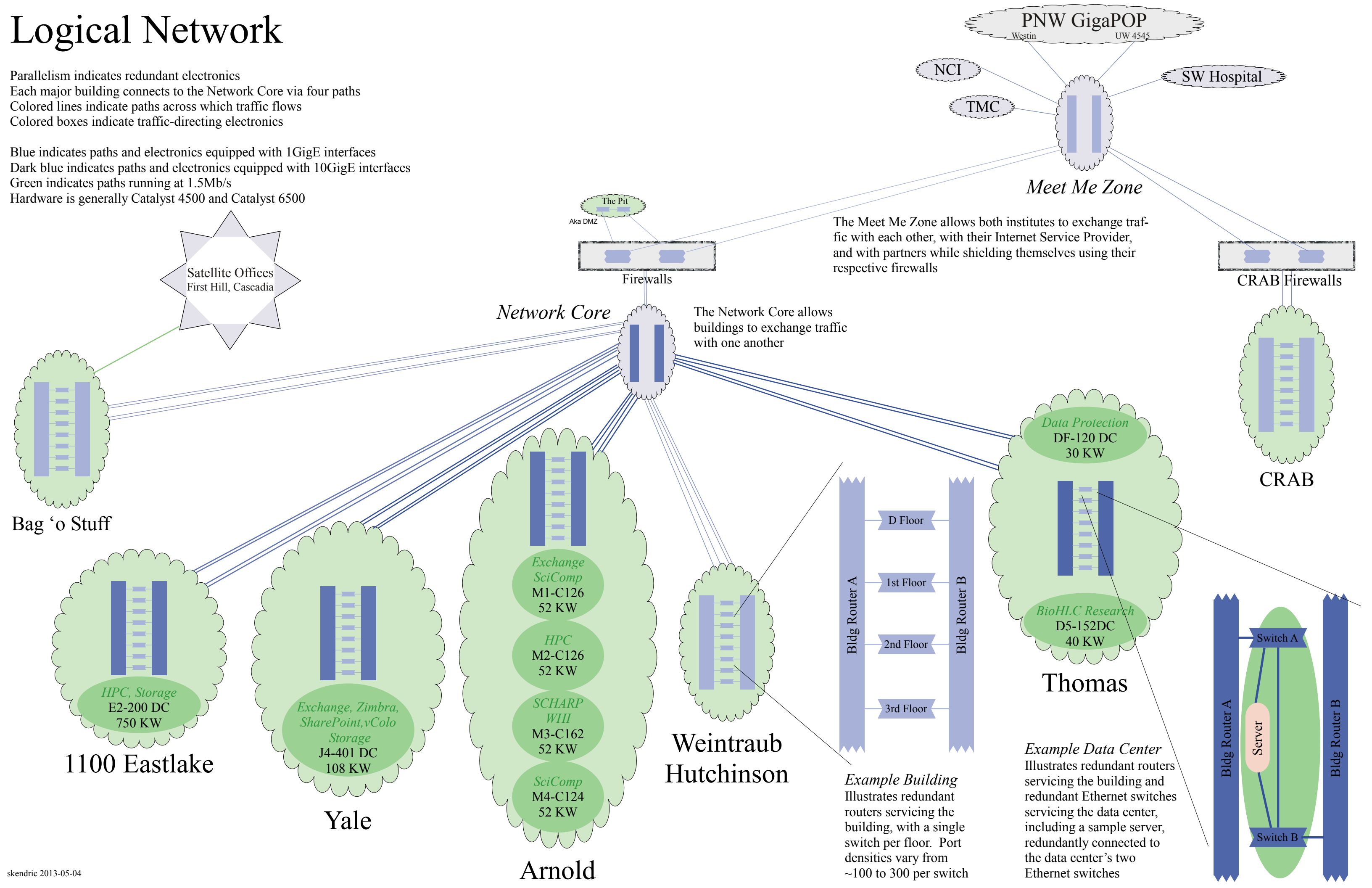


Logical Network

Parallelism indicates redundant electronics
 Each major building connects to the Network Core via four paths
 Colored lines indicate paths across which traffic flows
 Colored boxes indicate traffic-directing electronics

Blue indicates paths and electronics equipped with 1GigE interfaces
 Dark blue indicates paths and electronics equipped with 10GigE interfaces
 Green indicates paths running at 1.5Mb/s
 Hardware is generally Catalyst 4500 and Catalyst 6500



The Meet Me Zone allows both institutes to exchange traffic with each other, with their Internet Service Provider, and with partners while shielding themselves using their respective firewalls

The Network Core allows buildings to exchange traffic with one another

1100 Eastlake

HPC, Storage
 E2-200 DC
 750 KW

Yale

Exchange, Zimbra, SharePoint, vColo
 Storage
 J4-401 DC
 108 KW

Arnold

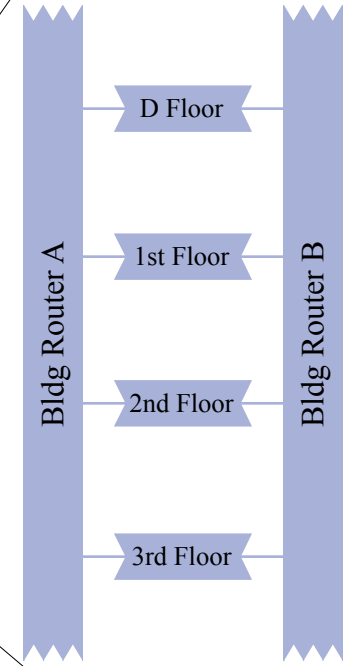
Exchange
 SciComp
 M1-C126
 52 KW

HPC
 M2-C126
 52 KW

SCHARP
 WHI
 M3-C162
 52 KW

SciComp
 M4-C124
 52 KW

Weintraub Hutchinson



Example Building illustrates redundant routers servicing the building, with a single switch per floor. Port densities vary from ~100 to 300 per switch

Thomas

Data Protection
 DF-120 DC
 30 KW

BioHLC Research
 D5-152DC
 40 KW

Example Data Center illustrates redundant routers servicing the building and redundant Ethernet switches servicing the data center, including a sample server, redundantly connected to the data center's two Ethernet switches

