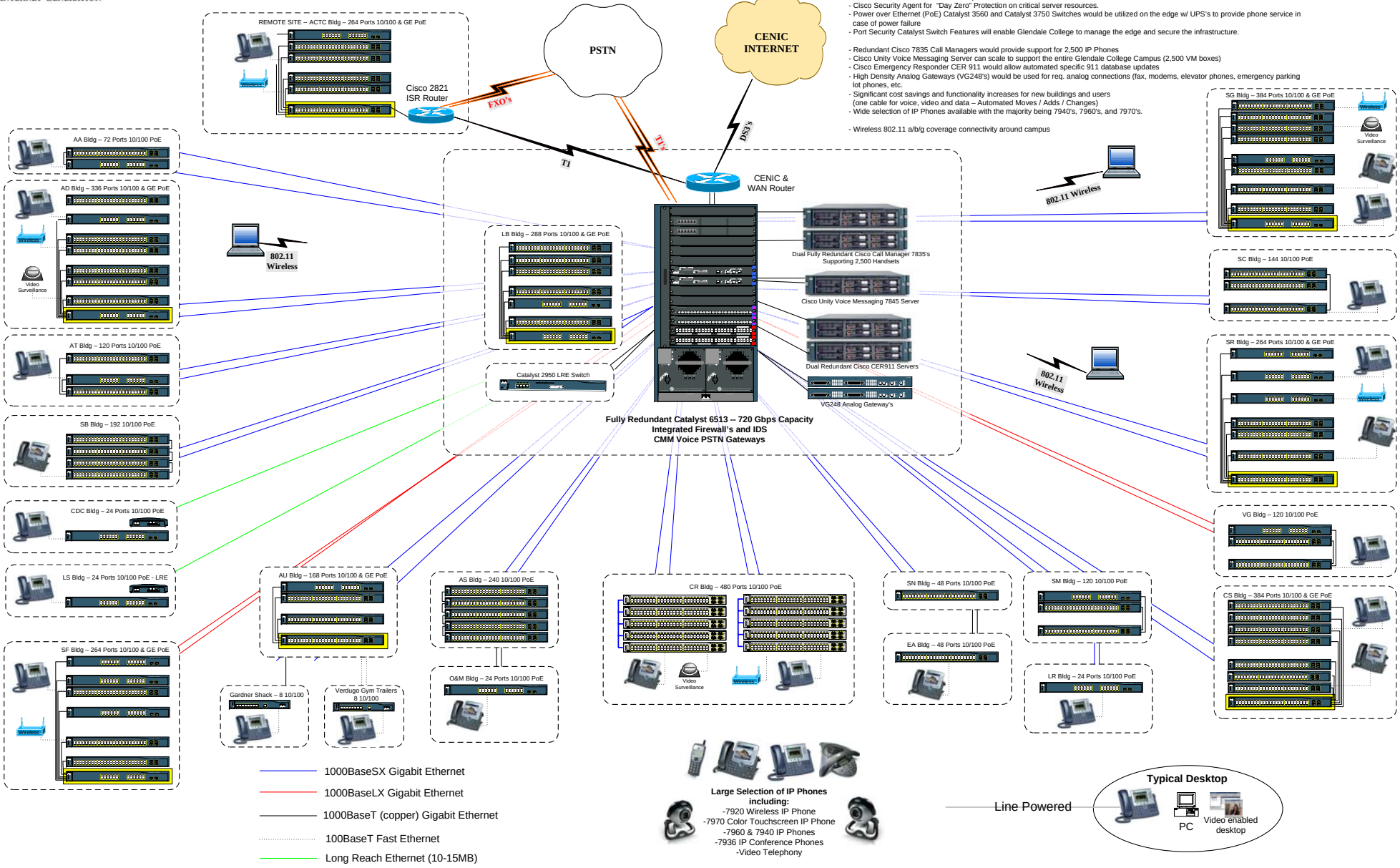
Cisco AVVID Reference Architecture – Glendale Community College

- Catalyst 6513 Core Switch – Fully Redundant 720G Backbone Switch w/ Integrated Security & Voice Capabilities
- Firewall Services Module provides campus and departmental firewalling – 5.5Gbps Throughput and supporting over 200 VLAN's
- Network Intrusion Detection for Campus Wide Worm Protection.
- Cisco Security Agent for "Day Zero" Protection on critical server resources.
- Power over Ethernet (PoE) Catalyst 3560 and Catalyst 3750 Switches would be utilized on the edge w/ UPS's to provide phone service in case of power failure
- Port Security Catalyst Switch Features will enable Glendale College to manage the edge and secure the infrastructure.

- Redundant Cisco 7835 Call Managers would provide support for 2,500 IP Phones
- Cisco Unity Voice Messaging Server can scale to support the entire Glendale College Campus (2,500 VM boxes)
- Cisco Emergency Responder CER 911 would allow automated specific 911 database updates
- High Density Analog Gateways (VG248's) would be used for req. analog connections (fax, modems, elevator phones, emergency parking lot phones, etc.
- Significant cost savings and functionality increases for new buildings and users (one cable for voice, video and data – Automated Moves / Adds / Changes)
- Wide selection of IP Phones available with the majority being 7940's, 7960's, and 7970's.

- Wireless 802.11 a/b/g coverage connectivity around campus