1. Intro: September 11, 2001 impacted the United State or Russian Deep Cover case
2. Definition of Intranet
3. Basic Lay out
4. Wired Network
   1. I would have a wired network, no wireless, and I would evaluate the age and location of the building: Pg. 426 wired only
   2. ***Potential Conflicts*** pg. 427:
      1. **Physical**-isolate ideally do not have buildings or spaces next to each other.
         1. Medal Conduit
         2. Printers on the switch
         3. Optical fiber that is category 6
         4. Newest and most advanced systems
         5. RJ-45 socket—with diagrams and security measures to make sure that NO extra sockets are installed. Keep a running list of jacks-- RJ-45 socket
         6. Ethernet switches-- Pg. 426 wired only
         7. DMZ zone
      2. **Mechanical**-lock the building doors thus all devices must be wired.
         1. NO USBs, CDs, etc. unless authorized
         2. Locks on switches, towers, etc.
      3. **Logical**- restrict network traffic to the suite
         1. Integrity with software and IDSs
         2. Logical well-defined, carefully designed that is simple but well-designed with schematics that are updated as changes are made.
         3. Disable all open ports
      4. **Functional**- provide no risky actions to the network
      5. **Procedural**-Only those given access have authorization to enter the space with hard copy notebooks that are in locked doors that only authorized personnel can access.
      6. **Cryptographic**-use crypto to shield information.
      7. **Employees**
         1. Background checks
         2. Mandatory vacations