Telecom Tour

Where was the first room located?  
MDF-main distribution frame, main room in the building. 5th floor.  
  
What type of grounding system was shown? Tgb telecommunications grounding bus bar  
  
What is the difference between the white and orange conduit.  
White cable is data, purple for poe data. Orange is multi mode.  
White interduct is plenum rated. Orange is rated whatever it says on it, you have to check it.  
  
  
What are the two types of fire stop used? It's always red. It stops fire from spreading. You put it in holes.  Red putty fire stop. Intemecint wool.  
  
What was the purple CAT6a cable used for? Purple is for ap's.  
  
What was the white CAT6a cable used for? Data parts  
  
What type of fiber is being used (Single or Multi Mode)? Multi mode and single mode. Yellow fiber is single, orange is multimode.  
  
What type of fiber optic connectors are being used? (LC, SC, MPO,ST, MTRJ)  
Mainly SC for everything. Some LC is used. LC comes in pairs, SC's come either way.  
  
What is a DAS system?  
Distributive Antenna System - provides better coverage for cellular, public safety, custodials radio system. You need it because the glass is high energy efficient  
  
  
How many stands of fiber were fused in the cassette that was shown? 12  
  
  
Does UVU follow the TIA606 labeling standard? No, we have our own standard.  
  
  
In the room where the demark point is for the internet is used by the university, there is a device that generates electromagnetic interference. What was that device? Electrical Transformer- changes high voltage to low voltage, it effects the copper lines.  
  
  
At the demarcation point,there was a fiber optic tube that contained smaller tubes. What is the purpose? What is the significance of the color of the tubes? Conduits.  
Service link for the customer.  
Know which one your at, green blue orange green brown slate white red.  
  
In the data center, there were three types of fiber optic cables in use. What are the three types including mode and size(microns)? Didn’t get.  
  
  
  
Describe the hot and cold isle shown in the data center. (Where was the cold air and hot air intake, etc.) Didn’t get.  
  
  
What fire suppression is used in the data center? Didn’t get.  
  
  
How long with the UVU batter backup system in the data center keep the data center online until the backup generators kick in to keep the power on?  
15 seconds  
  
What was your favorite part of the tour?  
I really like the pbx room and learning about the phones and how there are constantly advancements being made in what is required. It's crazy to see all the wiring that was in that room too!!