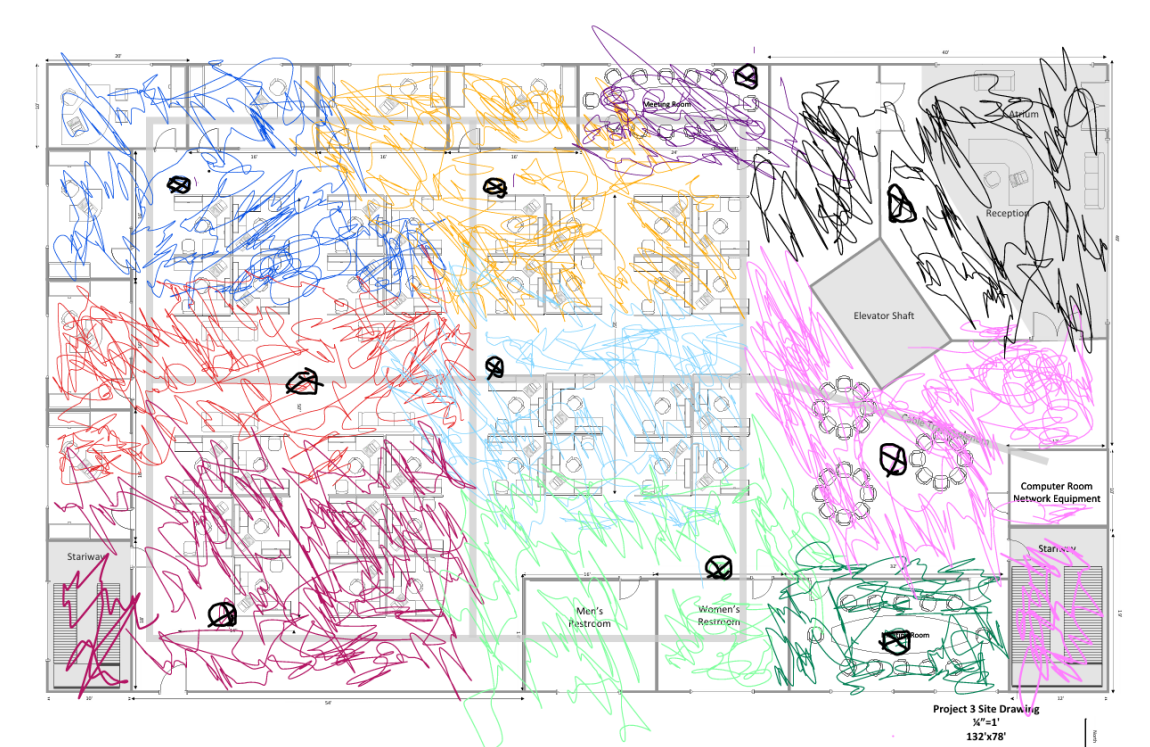


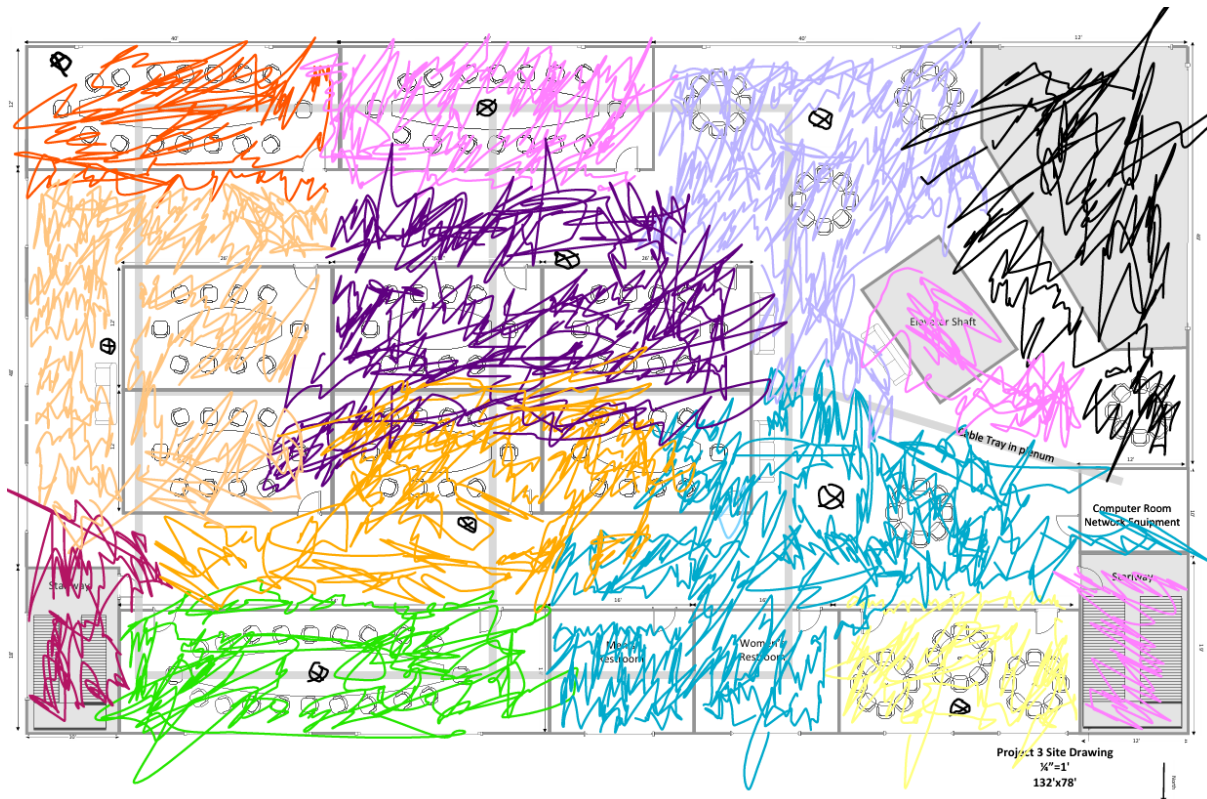
Project 3: The Site Survey

Alexis Fenderson

AP Placement Points – Floor One



AP Placement Points – Floor Two



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Channel Designations:

Floor 1: 10 AP's

- Dark Blue: 5GHz
 - o Channel: 36
- Orange: 6GHz
 - o Channel:
- Red: 5GHz
 - o Channel: 40
- Magenta: 6GHZ
 - o Channel: 5
- Black: 6 GHZ
 - o Channel: 85
- Dark Green: 5 GHZ
 - o Channel: 44
- Mint Green: 5 GHZ
 - o Channel: 48
- Pink: 5 GHZ
 - o Channel: 149
- Purple: 6 GHZ
 - o Channel:
- Light Blue: 5 GHZ
 - o Channel: 157
- Black: 6 GHZ
 - o Channel: 117

Floor 2: 9 AP's

- Acqua Blue: 5GHz
 - o Channel: 161
- Orange: 6 GHz
 - o Channel: 21
- Light orange: 6 GHz
 - o Channel: 37
- Orange Red: 5 GHz
 - o Channel:
- Green: 5 GHz
 - o Channel:
- Yellow: 6 GHz
 - o Channel: 133
- Lavendar: 6 GHz
 - o Channel: 53
- Pink: 5 GHz
 - o Channel:
- Purple: 5 GHz
 - o Channel:

Hardware Selections:

Meraki MR56 Internal Antenna x 11



Reasons:

- Good for high-density office deployment
- Can be installed on the ceiling
- Mounting kit included
- 2.4 GHz and 5GHz
- Conforms to UL 2043 (Plenum rating)
- Good scalability
- Lifetime hardware warranty
- Cisco

Meraki MR57 Internal Antenna x 8



Reasons:

- Supports 6 GHz
- Four 4:4 MU-MIMO 802.11ax compatible
- Conforms to UL 2043 (Plenum rating)
- Mounting hardware included
- Lifetime hardware warranty
- Concealed mount plate with anti-temper cable bay

Meraki PoE+ Switch MS120-24



Reasons:

- Up to 30W per Port
- 24 Ports

White Cat6 Plenum UTP 23 Awg 550 Mhz (CMP) Rated



Reasons:

- CMP Rated
- Good data speed