

Constant Hall Networking

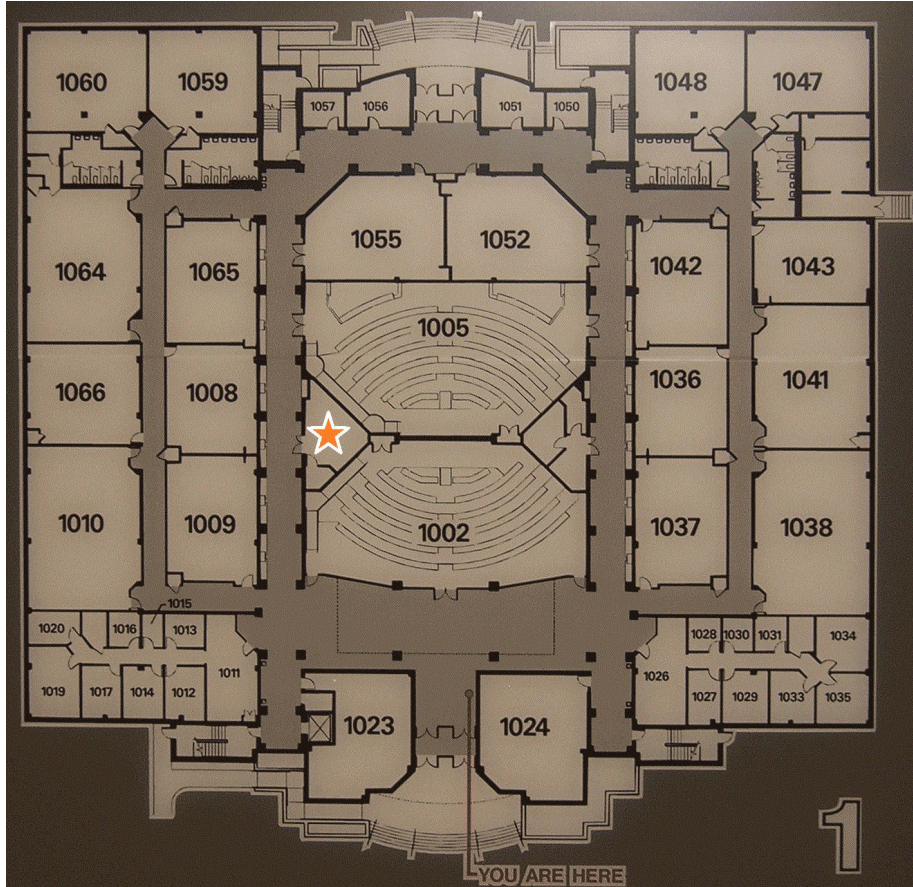


Brei White

Constant Hall

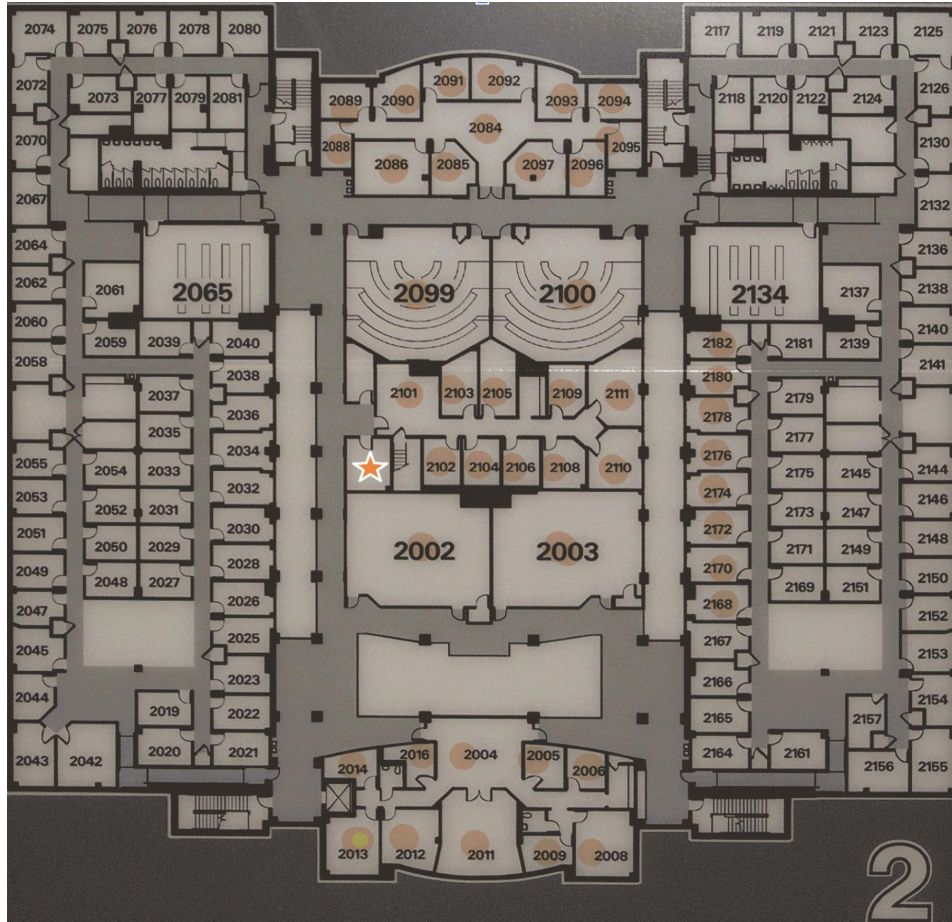
- ★ 46 classrooms downstairs
- ★ 151 classrooms/offices upstairs
- ★ All rooms need 2 ethernet connections ports
 - 394 ethernet outlets

Equipment Room



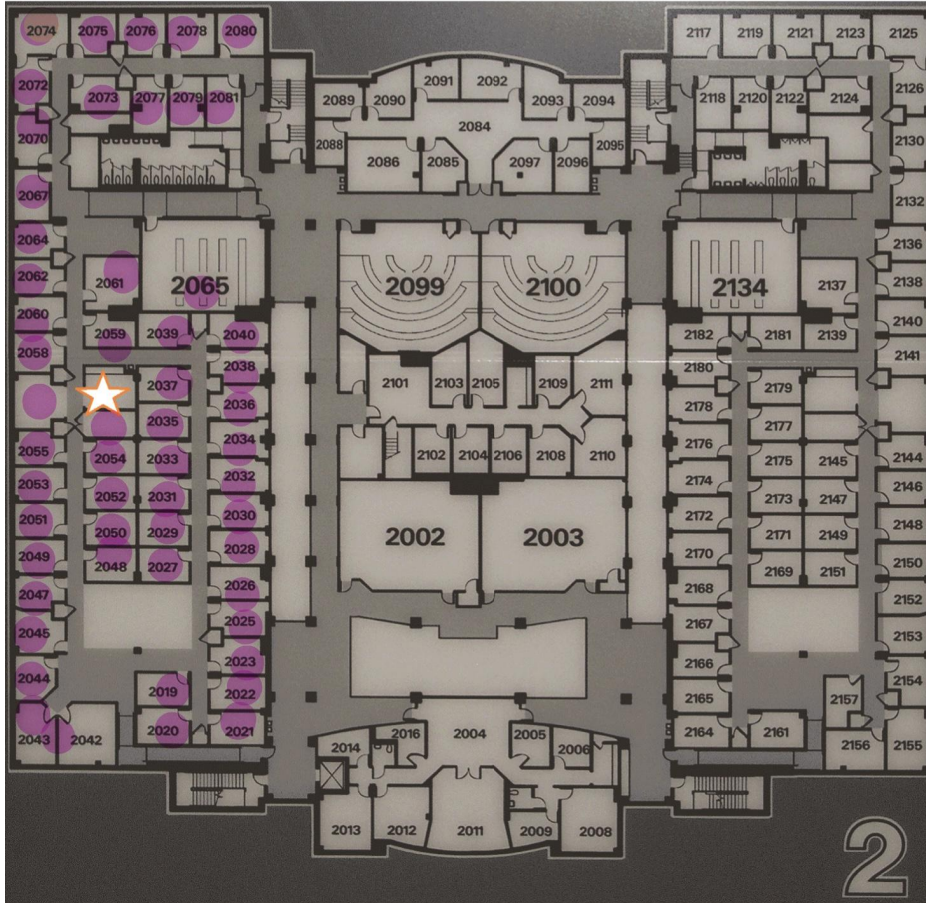
- ★ What's needed?
 - 1 router
 - 2 patch panels
 - 3 switch panels
 - 96 cat5 cables
 - 92 short cat5 cables
- ★ What's the plan?
 - Router will connect to switch panel
 - Patch panels will connect to switch
 - 2 cables per room will run to all down stair classrooms
 - 3 remailing cables will run to switches upstairs

Telecom room 1



- ★ What's needed?
 - 2 switch panels
 - 2 patch panels
 - 90 Cat5 cable
 - 90 Short cat5 cables
- ★ What's the plan?
 - The switch will send 2 cat5 cables to the 45 rooms (highlighted)

Telecom room 2



What's needed?

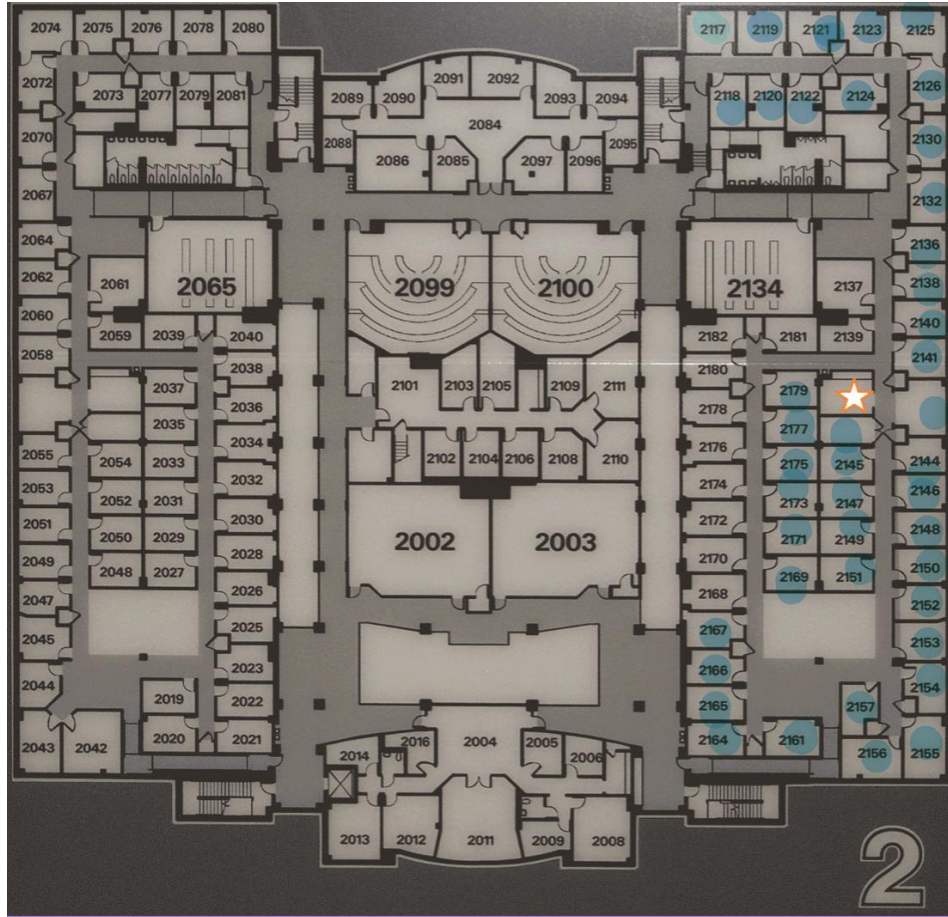
- 3 switch panels
- 3 patch panels
- 116 short cat5 cables
- 116 cat5 cables



What's the plan?

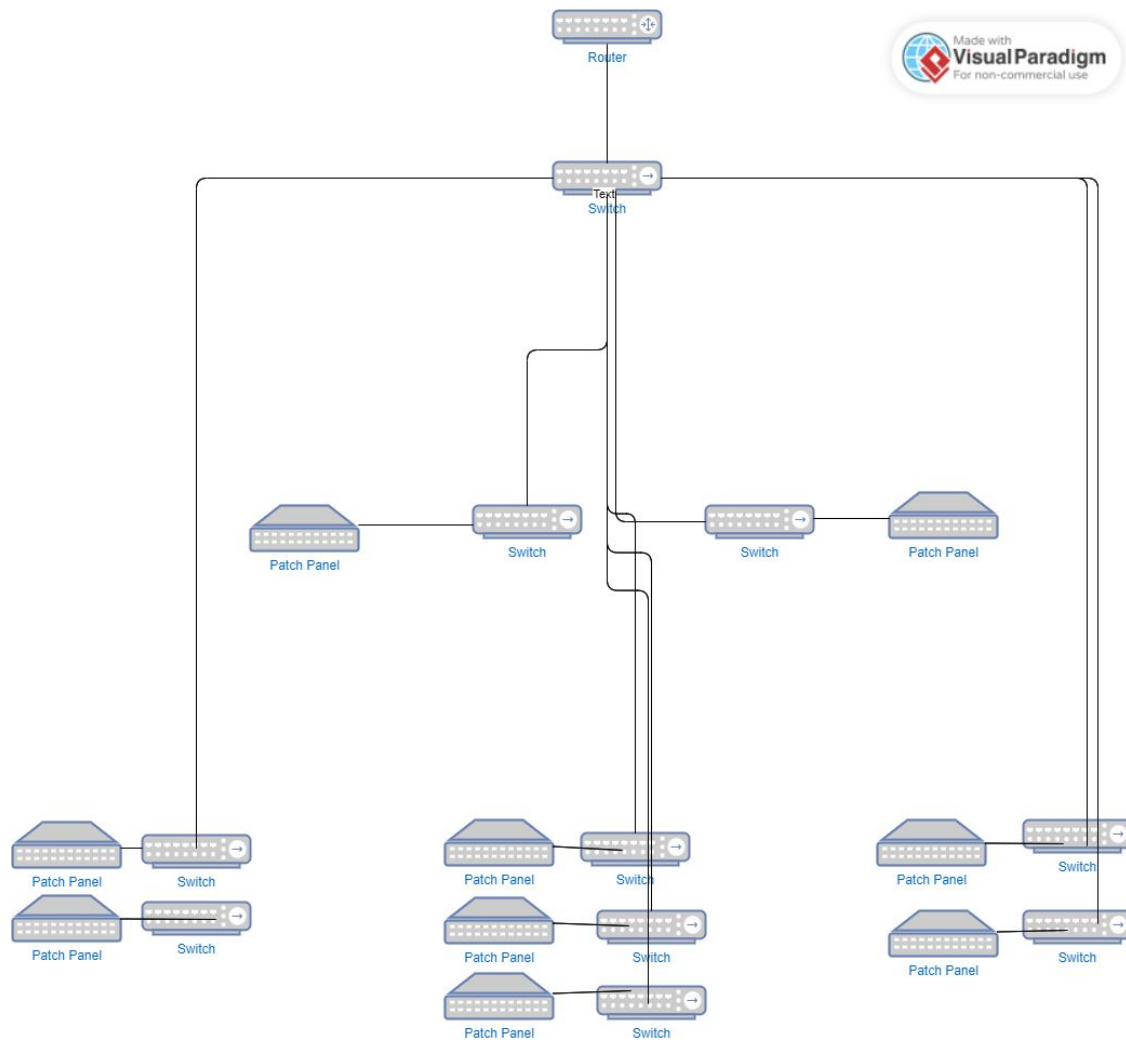
- Connect 2 cables to 57 rooms

Telecom room 3



- ★ What's needed?
 - 2 switch panels
 - 2 patch panels
 - 90 cat5 cables
 - 90 short cat5 cables
- ★ What's the plan?
 - Connect 2 cables to 45 classrooms

Diagram



Total Cost

Item	Cost	Quantity	Total Cost
10 port switch	\$220.00	1	\$220.00
48 port switch	\$210.00	8	\$1,680.00
48 port patch panel	\$36.00	8	\$288.00
short cat5 cable 24 pack	\$28.00	17	\$578.00
Cat5 cable 100ft	\$29.00	394	\$11,426.00
Ethernet wall panel	\$8.00	196	\$1576.00

- Total Cost: \$15,768.00