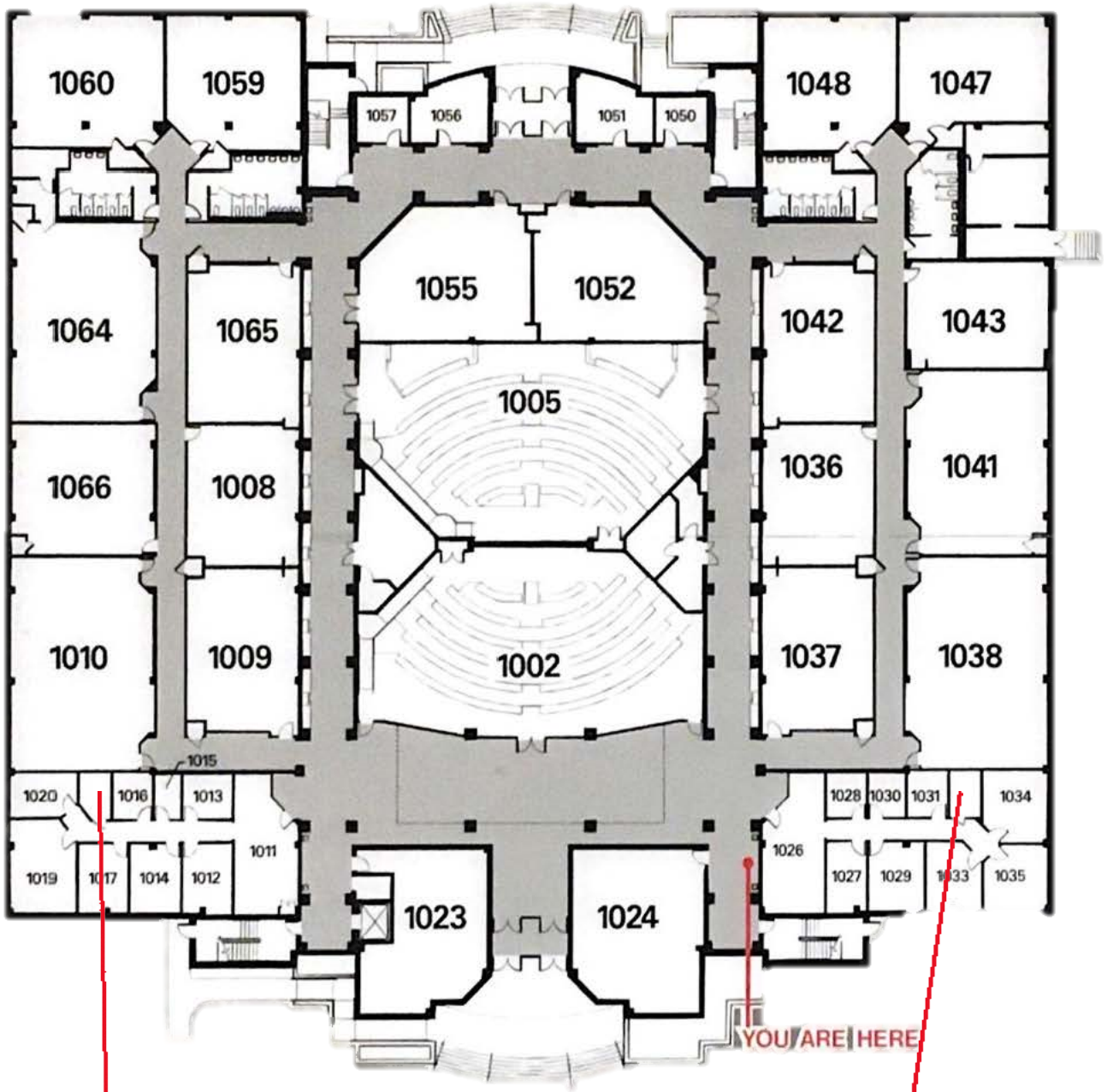


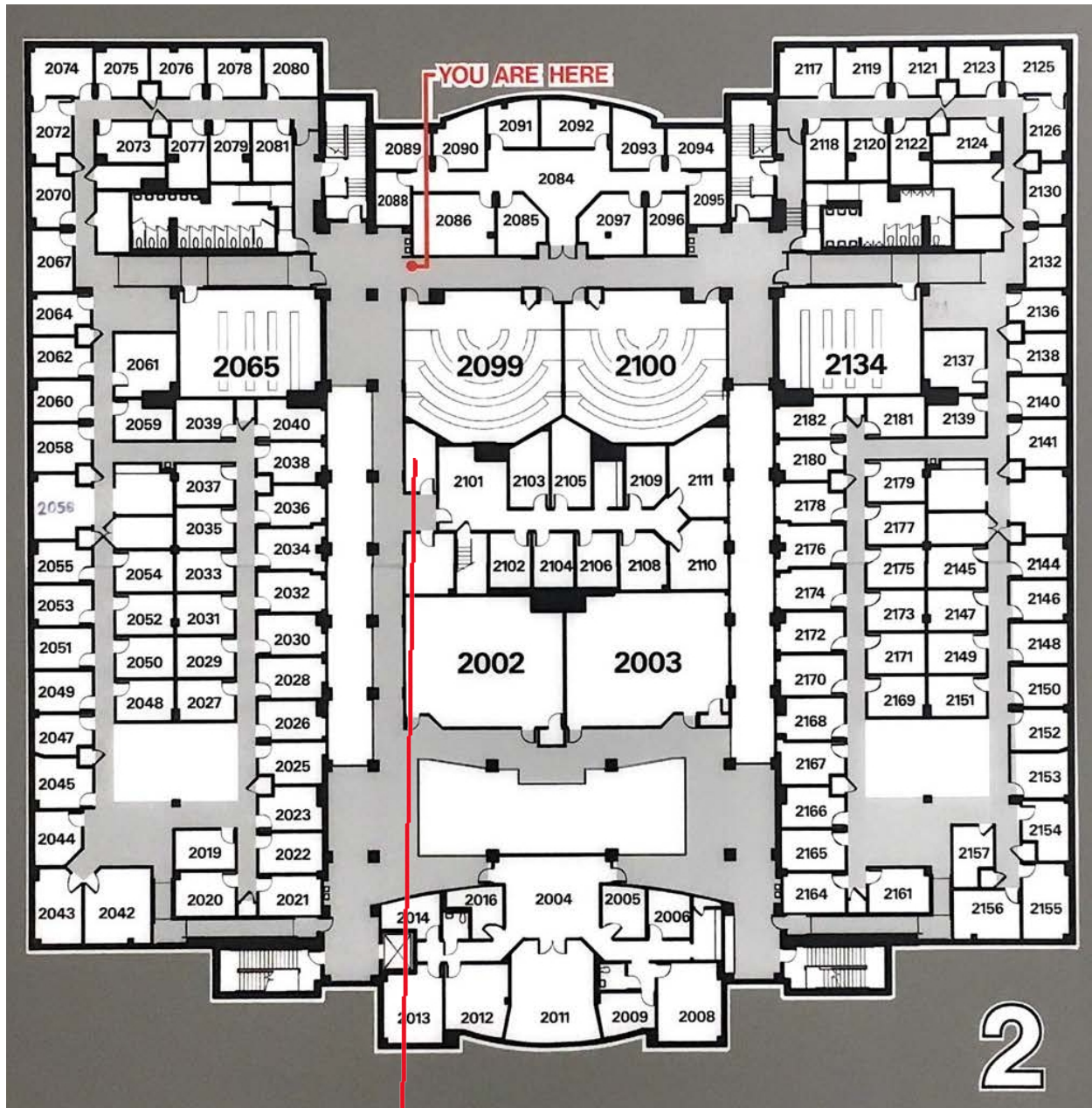
Wesley Faxlanger
7/9/2024
IT 315



Telecom closet

Telecom closet

Wesley Faxlanger
7/9/2024
IT 315



Equipment room

Telecom closet

Wesley Faxlanger
7/9/2024
IT 315

The building is 215ft wide = 8" on screen
The building is 188.125ft long = 7" on screen
The ceiling height is 10'
1" = 26.875ft / 8 = 3.359
Equipment room minimum 36'^2 = 6' x 6'
Telecom room minimum 16'^2 = 4' x 4'
Maximum cable distance 90m = 295.28ft

144 rooms on the second floor

44 rooms on the first floor

188 rooms total

Two cables per room

Longest cable = 195 ft

Shortest cable = 24ft

Average = 109.5

109.5ft x 188 rooms = 20,586ft

20,586ft x 2 = 41,172ft of cable

Cat 6 stranded CM- 26AWG, Shielded FTP Bulk Networking Cable 1000ft <https://infinity-cable-products.com/collections/cat6-cm/products/elite-cat6-ftp-stranded-26awg-1000ft-bulk-cable-grey>
= \$190.00

42 x \$190.00

Total cable cost: \$7,980.00 plus tax