

Conceptual Location Server Room Design

Racks

2 distribution frames
11 cabinets

UPS

SY40K40F + (4)SYCFXR8-8: 40kW
Estimated runtime based on 35kW: 1.5 hours

Generator

Supplied by facility

Power

15 primary and 15 redundant 208V 32A
Estimated kW: 37.5kW (2.5kW per rack/cabinet)
Maximum kW: 60kW (4kW per rack/cabinet)

Weight

7000lbs (not including UPS)

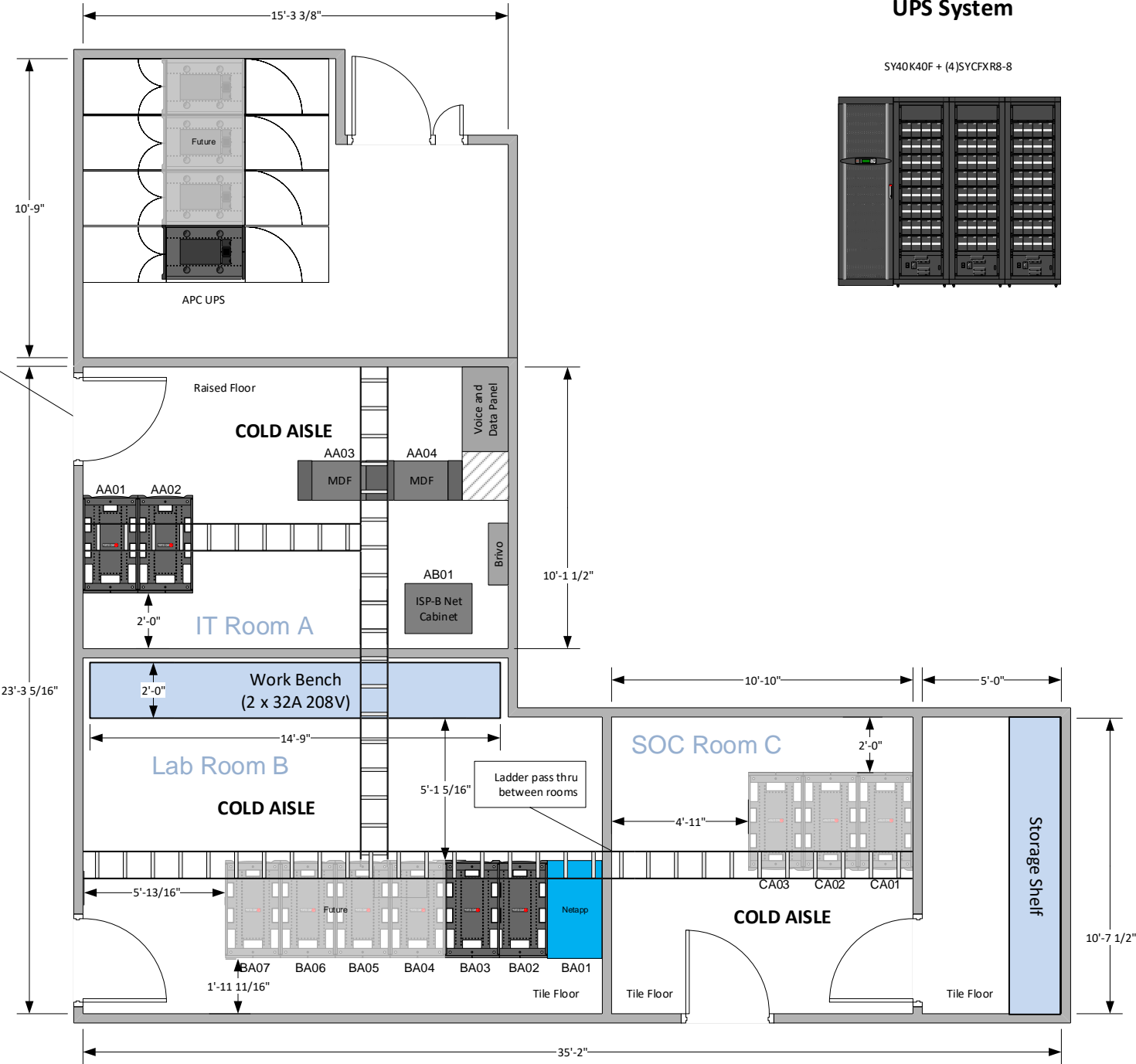
Cooling

IT server room: 5.7 tons
Lab server room: 11.4 tons
SOC server room: 4.3 tons

Breakdown

Location	Racks	Primary 208V 30A	Redundant 208V 30A	Maximum Amps (12A)	Total Watts	Tons of Cooling	Weight (lbs)
IT	4	4	4	96	19968	5.7	2000
Lab	7	8	8	192	39936	11.4	3500
SOC	3	3	3	72	14976	4.3	1500
Totals	14	15	15	360	74880	21.3	7000

All doors minimum 3 ft. wide x 8 ft. tall



UPS System

SY40K40F + (4)SYCFXR8-8

