

## Problem set 1 (PS1) Due Wednesday January 23

PS1-1 Devise a method for zoning a building having the attached floor plan.

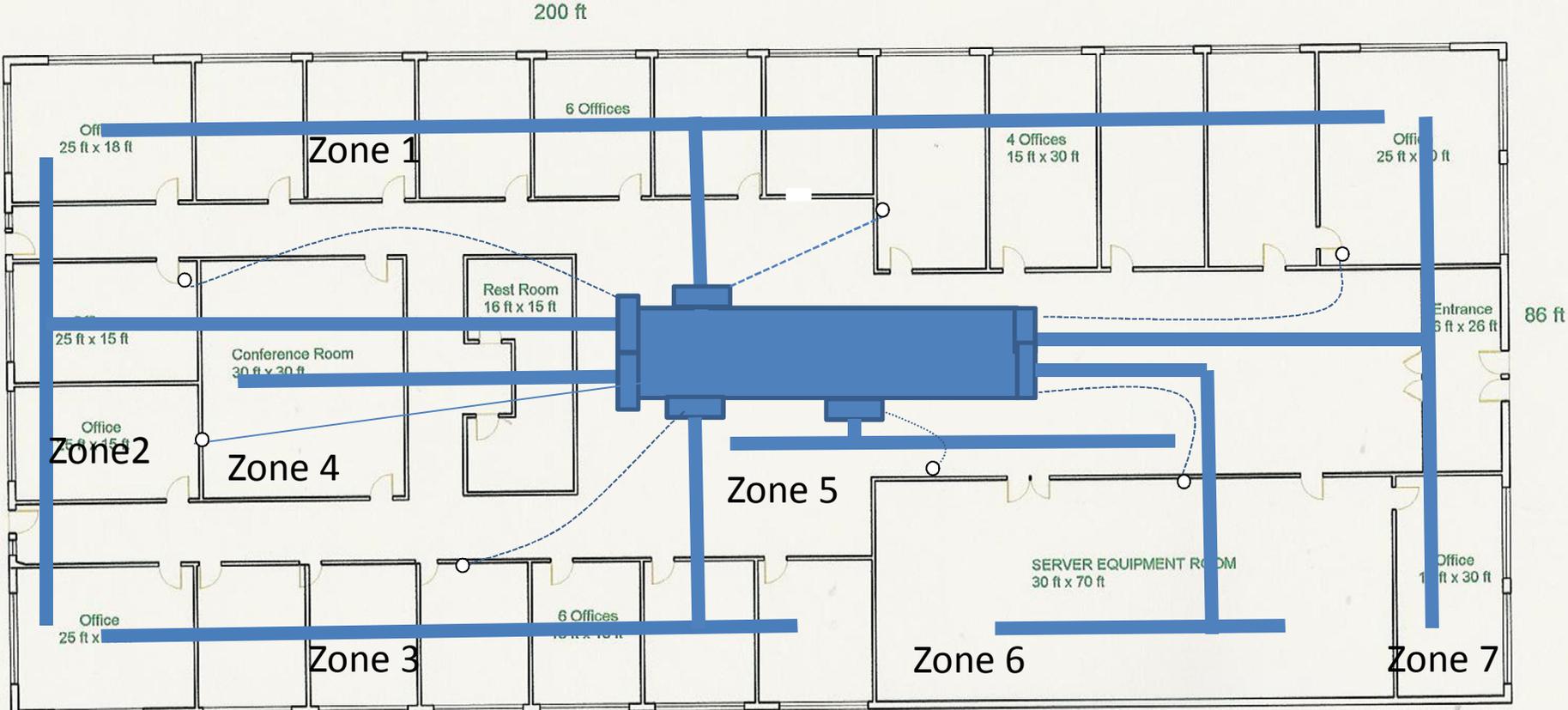
PS1-2 Sketch the duct and equipment layout using two of the different kinds of the air conditioning systems discussed in Chapter 2.

PS1-3 What are the advantages and disadvantages of the two systems you have selected ?

System 1 7 Zone VAV system

System 2 Induction units in the offices, unitary in Zones 4,5 and 6

The induction units in each office will provide individual control with probably more sound than a VAV and higher cost.



2009 CHICAGO BUILDING PROJECT  
All dimensions are to wall centers. The long axis of the building is 22.5 degrees North of East

○ thermostat

■ VAV box