



The Nature of the Problem

The Results of a Control System Upgrade Project

Images courtesy:

Laura Seidman, UCSF

SketchUp model courtesy:

Maria Garcia Alvarez

Presented By:

- David Sellers; Facility Dynamics Engineering
- Senior Engineer
- March 12, 2017

The Existing System

- Multizone



The Existing System

- Multizone



The Existing System

- Multizone
- Economizer Equipped



The Existing System

- Multizone
- Economizer Equipped
- Chilled Water Cold Deck
- Hot Water Hot Deck



The Existing System

- Multizone
- Economizer Equipped
- Chilled Water Cold Deck
- Hot Water Hot Deck



The Existing System

- Multizone
- Economizer Equipped
- Chilled Water Cold Deck
- Hot Water Hot Deck
- Serves Two Auditorium Style Classrooms

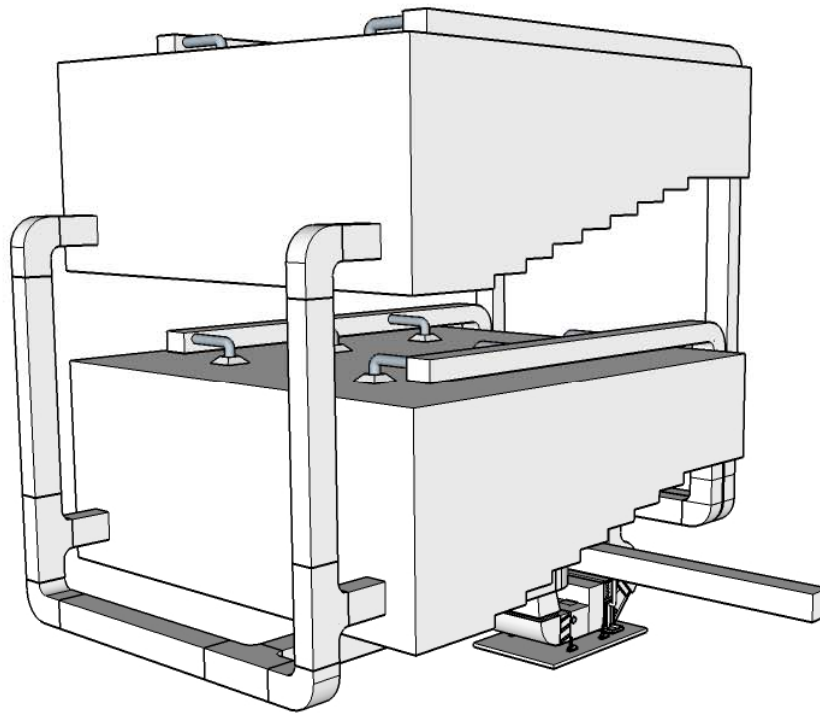


The Existing System

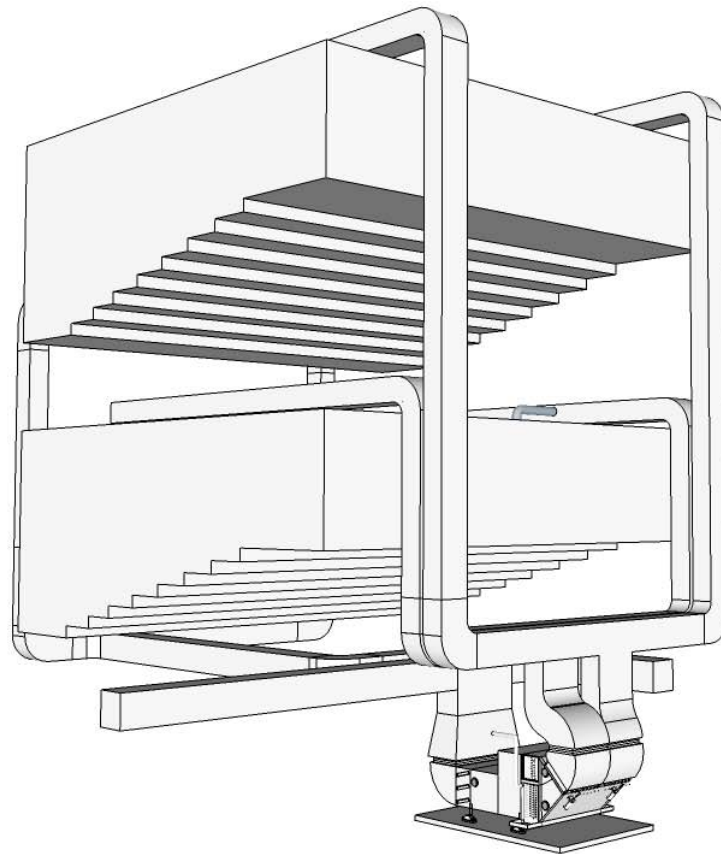
- Multizone
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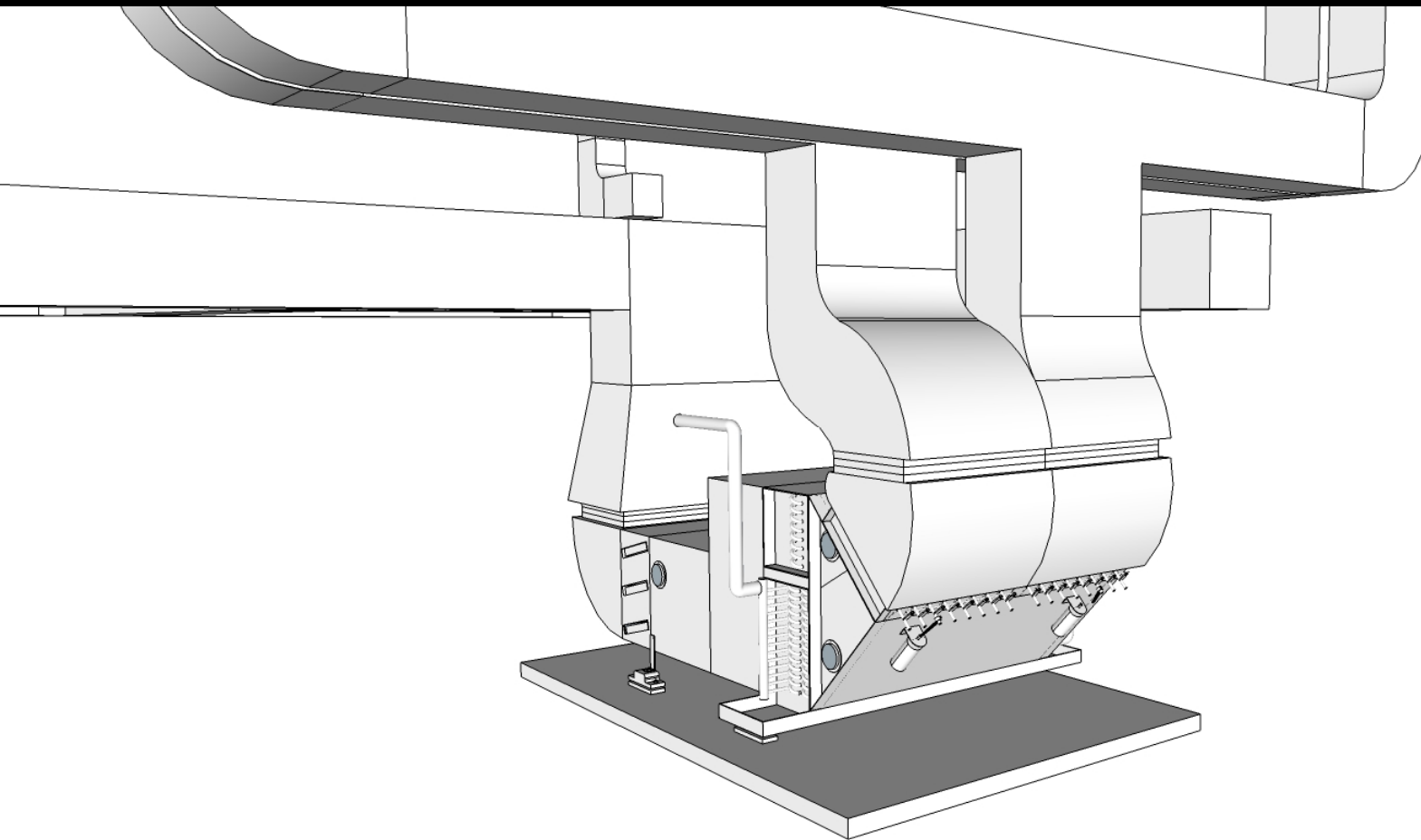
The Existing System



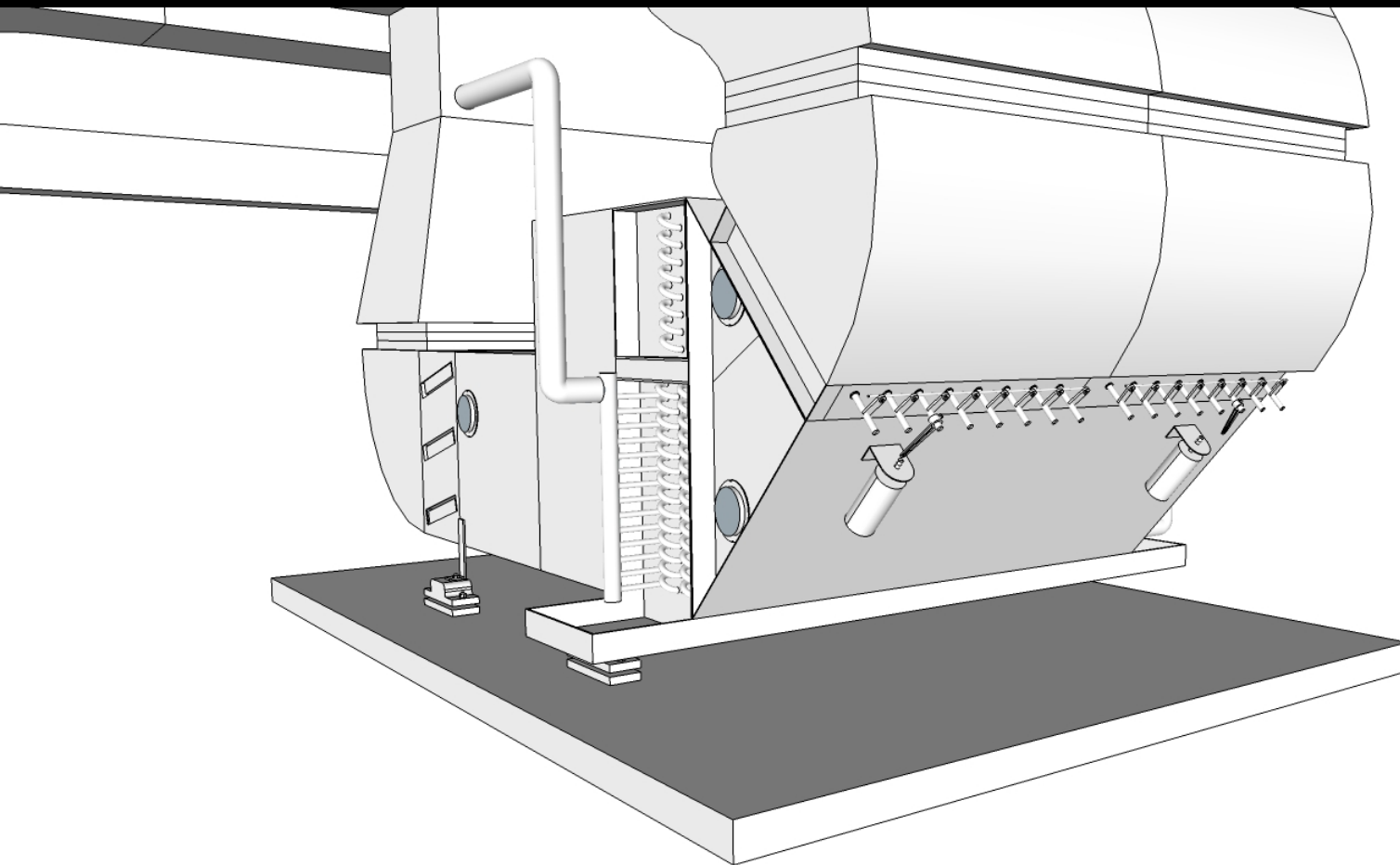
The Existing System



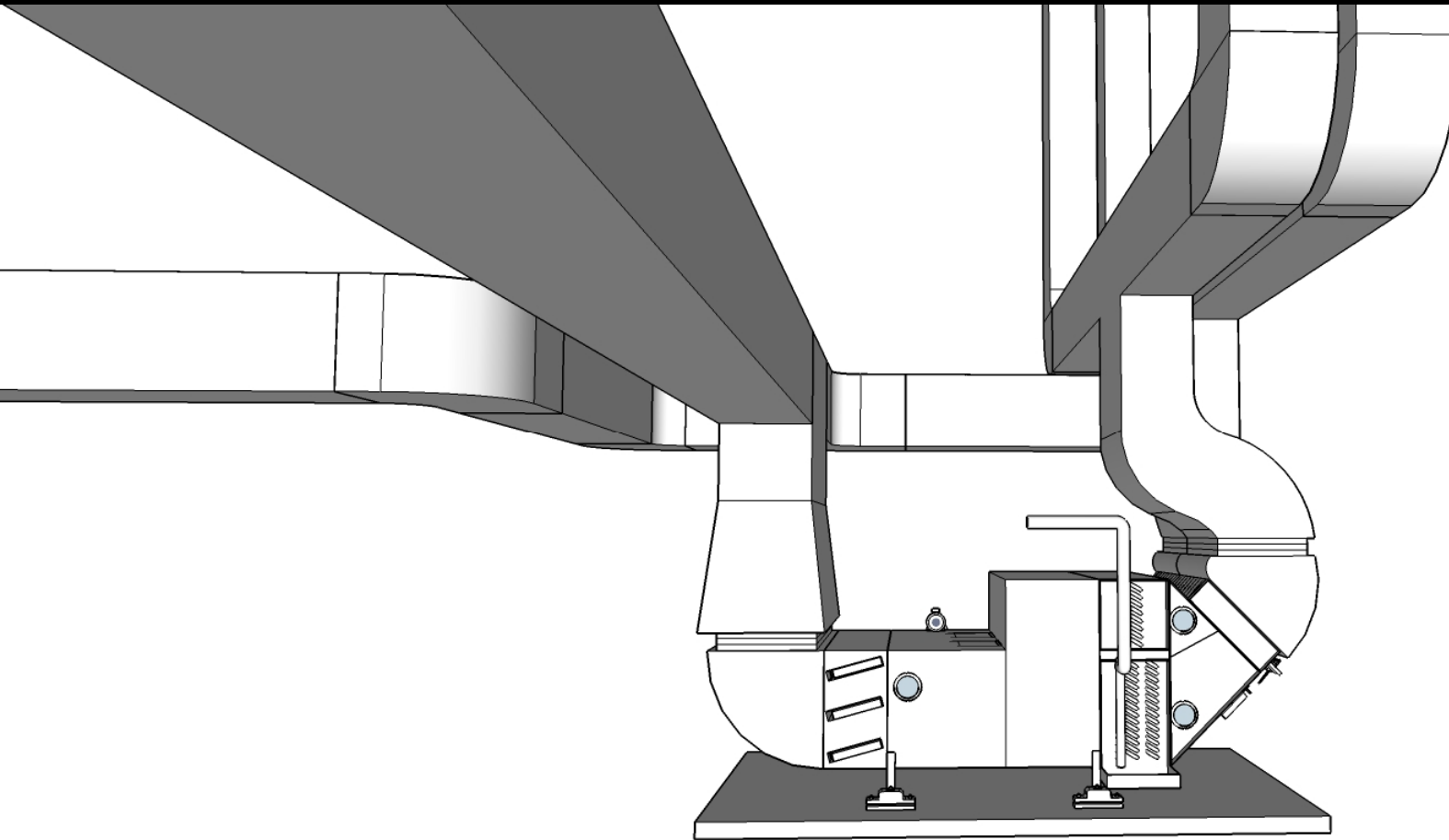
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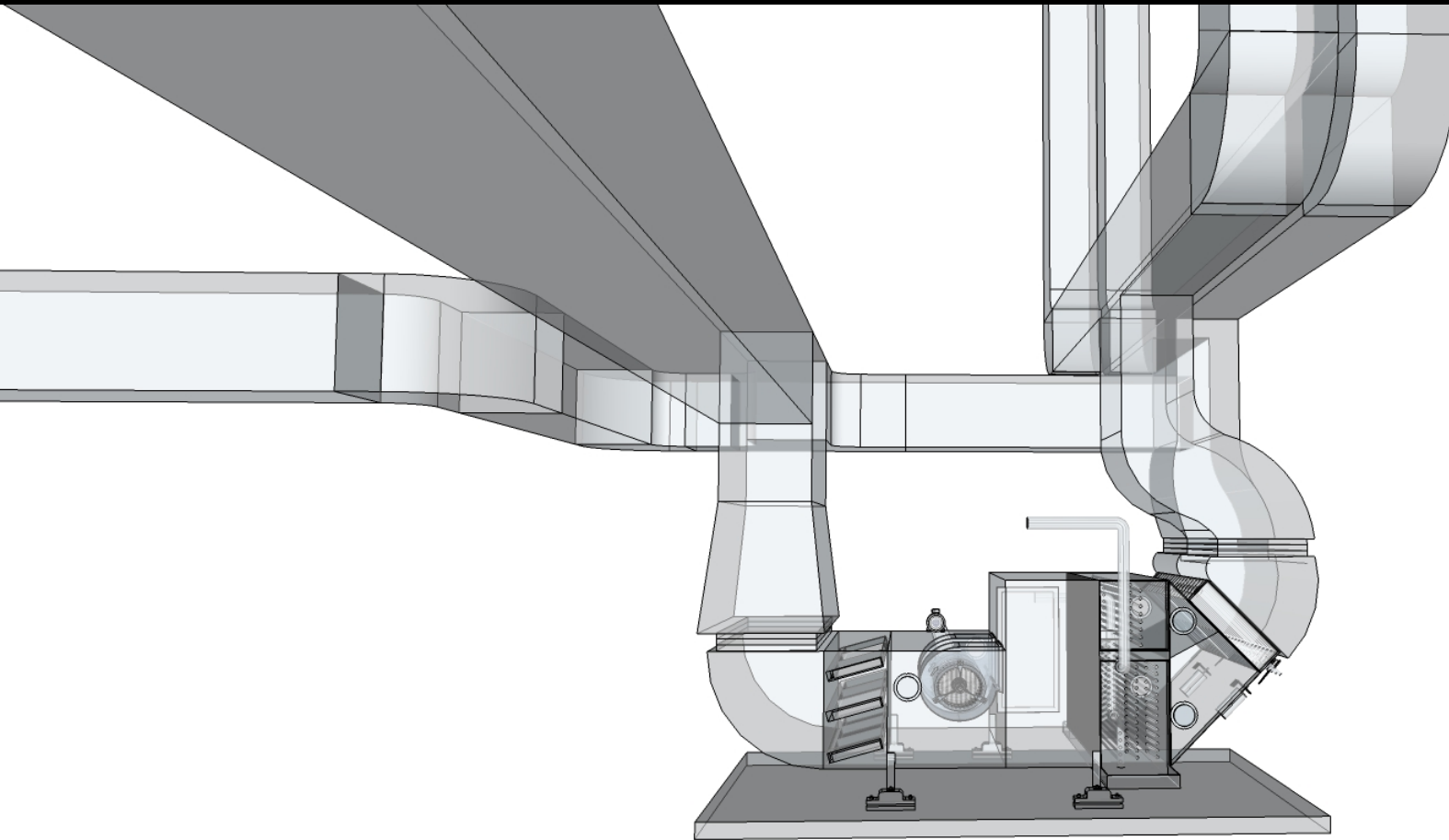
The Existing System



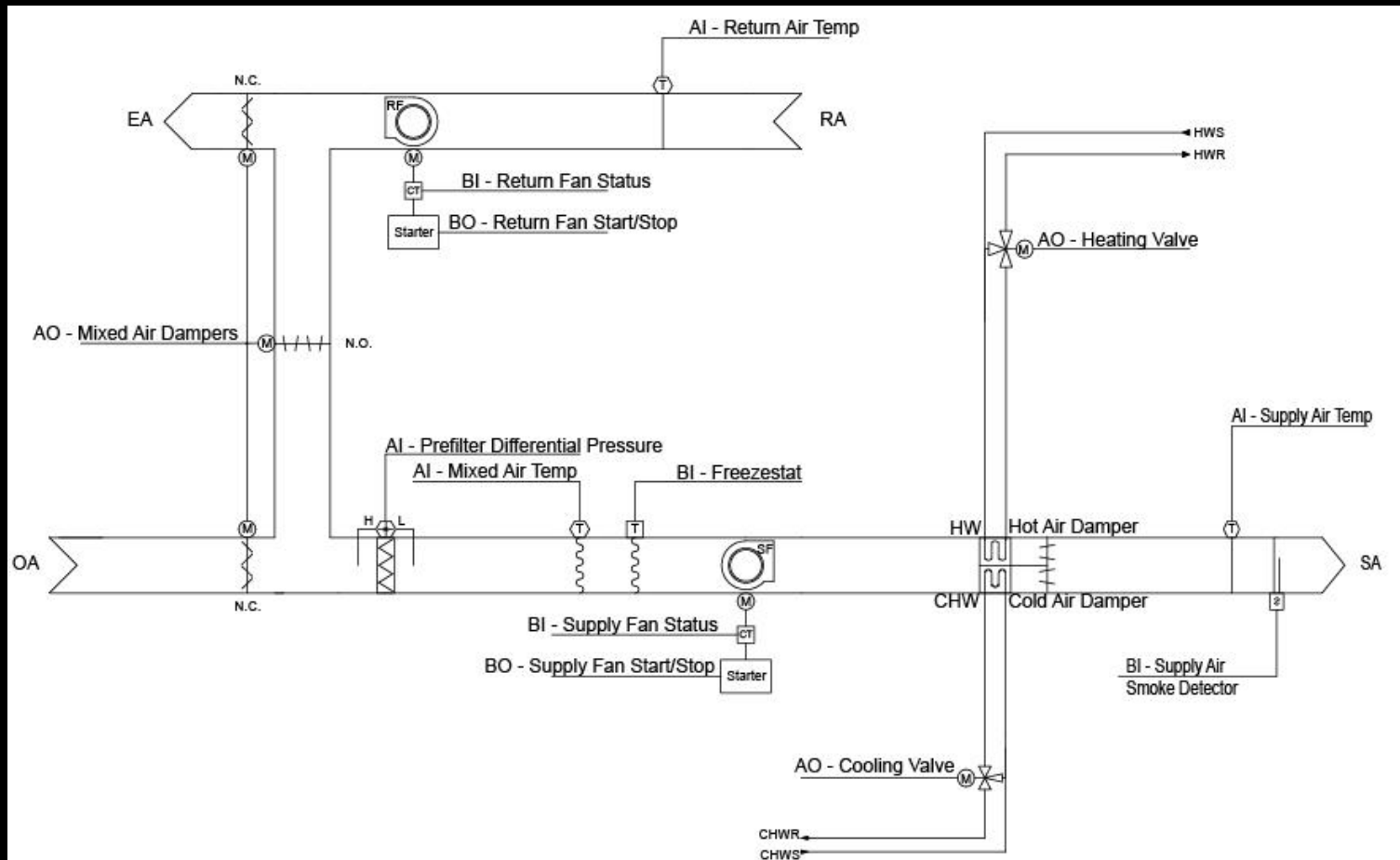
The Existing System



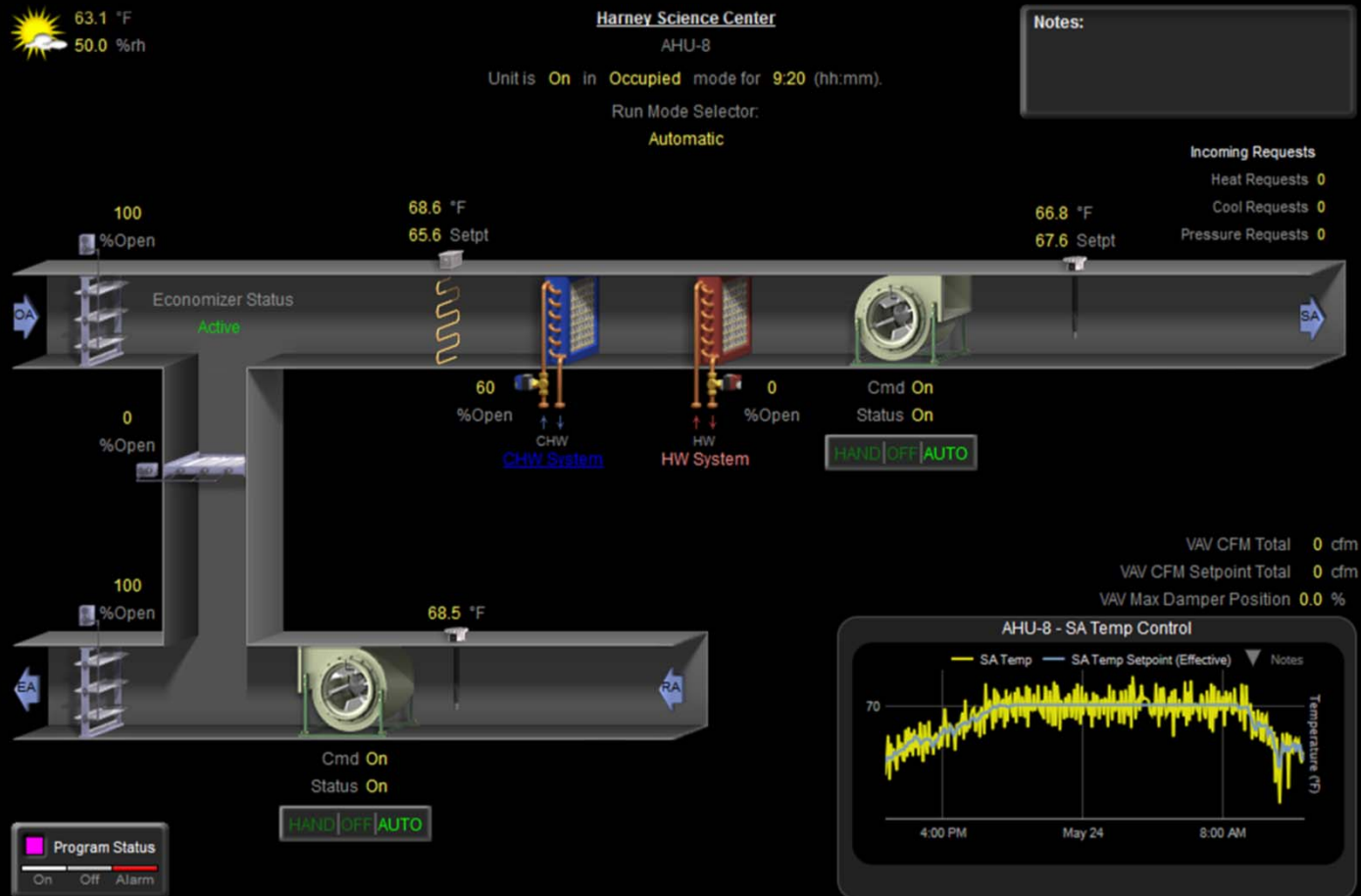
The Existing System



The Control System Upgrade Drawing



The Control System Upgrade Graphic



I Wonder Why There Are Problems?

