The integrated section shows spatial relations of the building interior, the courtyard level, and the park level. It also shows natural ventilation, daylighting of the buildings, and the relationship between the public area of the park and the privacy of the individual units.

**Mechanical**
My project uses a combination of active and passive methods to heat and cool the buildings. Seen in this section is the underground mechanical room that would house the furnace for the forced air system and the ductwork that it would require to distribute conditioned air to the various buildings. There would likely be more than one of such underground mechanical rooms. Passive strategies utilized include passive solar heating and natural ventilation.

**Lighting**
I kept the floorplate depths of my buildings fairly shallow to allow light into the center of the buildings without needing skylights or light shelves. During the summer months when overheating of the spaces would be problematic, I included horizontal shading on south-facing glazing. These shading elements are sized to allow sunlight into the spaces in the winter months to help heat the interior.

**Natural Ventilation**
The wind blows mainly from the Northwest and from the Southeast. I chose to show the Northwestern wind in my section because that is the direction it primarily blows from in the warmer months, which is when I would want to utilize it for passive cooling. The lake nearby the site would also provide some evaporative cooling effects.

**Typical Assembly**
- Dropped Acoustical Ceiling Tiles
- Low-E Double Pane IGU
- 5 Inches Mineral Rock Insulation
- Wood Fascia Panel
- 3 1/2 x 16 PSL
- 2 x 4 Kicker @ 24" O.C.
- Curtain Wall Track
- Metal Railing
- Street/Park Level Plan
- Courtyard Level Plan
- Second Floor Plan
- Loft Unit Plan
- Bedroom Unit Plan
- Scale: 1/8" = 1'-0"