Janet Martinez - Architectural Engineer

Total drainage fixture units for the building = 236 dfu

- Diameter of the pipe connected to the city main = 5"
- Slope of the piping is 1/8" per foot
- Discharge velocity is from 1.93 2.23 ft/sec
- Riser diagrams







IPRO 335 - Capstone Design



Graph Of Total Cooling Coil Load (Btu/hr) Vs Hours



Cooling Loads Dan L. Rehberg - Architectural Engineer

kler Systems

Second Floor East: 4 branch lines @ 12' 40 sprinklers total West: 3 branch lines @ 14' 54 sprinklers total

(00)

A special thanks to ... our very own Professor Jamshid Mohammadi (Advisor), Professor Ali Emadi (Calculations), Professor Joseph Pinnello (Calculations), Professor Ganesh Raman (Acoustics), Professor Ahmed Megri (Component Design), & Professor Ralph Muehleisen (Acoustics).



100

90

80

 $\mathbf{70}$

60

50

40

30

20

FOR

BLOOD

HEAT

SUMMER

HEAT

TEMPE

RATE

FREEZ

ING

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TEMP RA URES

Cooling Load: 3,808,856 Btu/h 317 tons

Chiller -Carrier Aquasnap 30RB060 x3 www.carrier.com

> ASHRAE 90.1: exceeds code by 1%

