Cooling Load:
3,808,856 Btu/hr
317 tons
Chiller:
Carrier Aquasnap 30RB060 x3
www.carrier.com
ASHRAE 90.1: exceeds code by 1%

Plumbing Design
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

Main Building Riser Diagram

First Floor
10 branch lines @ 14'
290 sprinklers total

Sprinkler Systems

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

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