

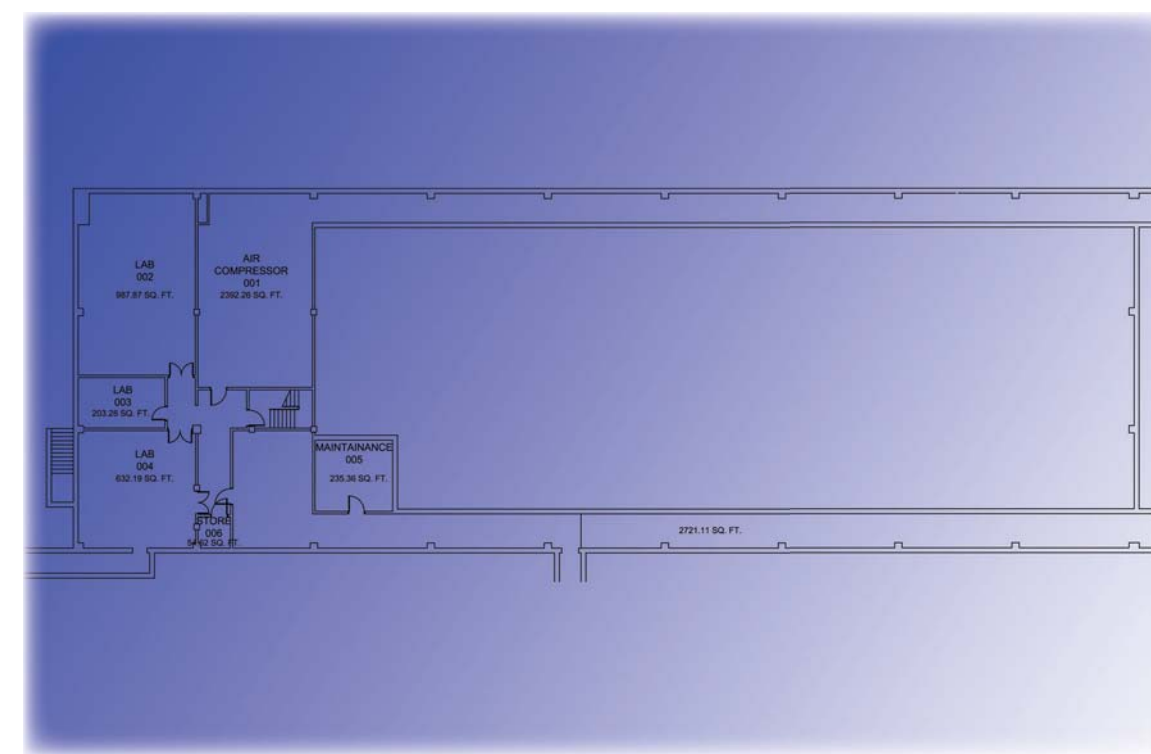
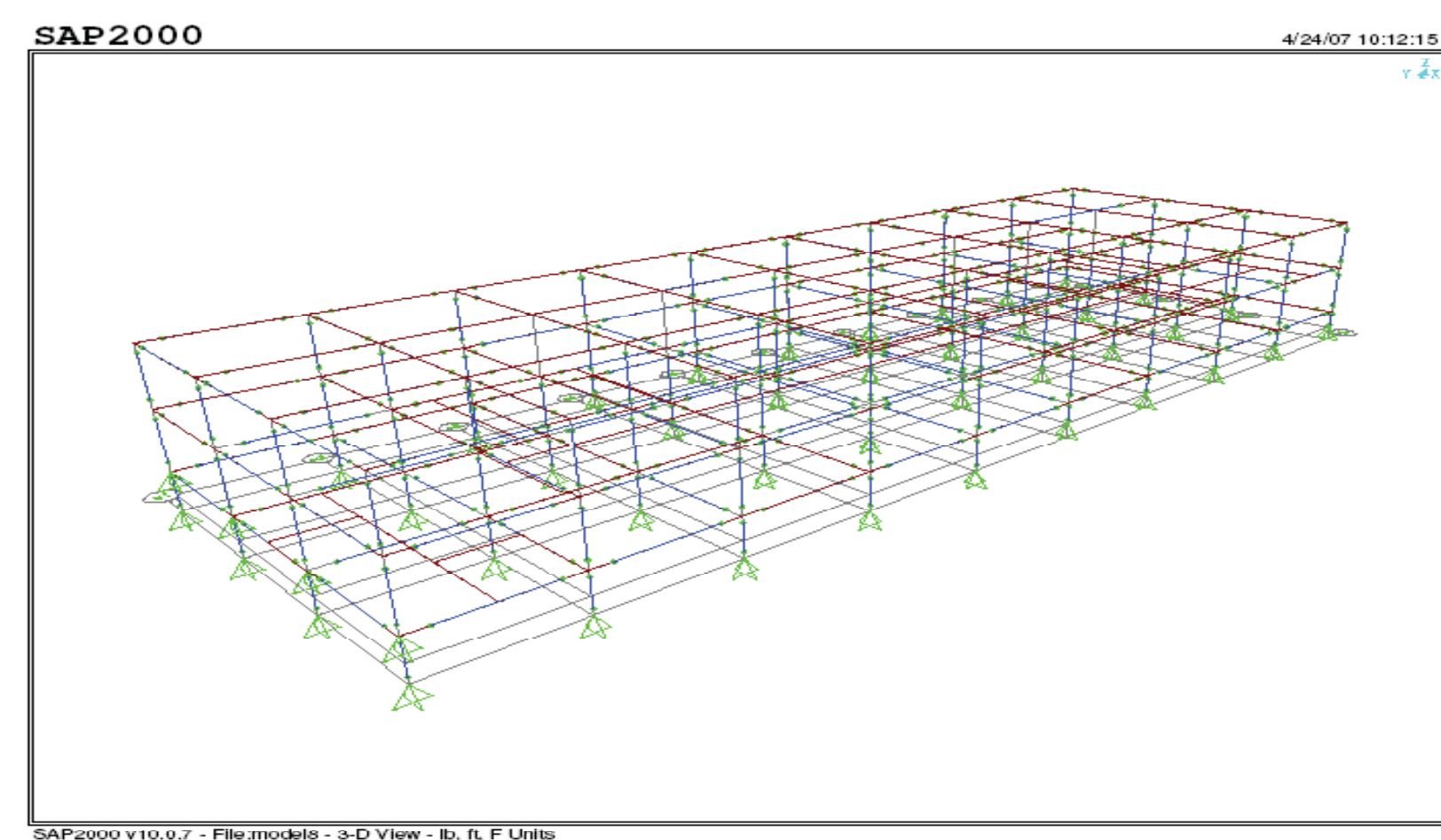
I PRO 335 Alumni Memorial Renovation

Civil Engineering

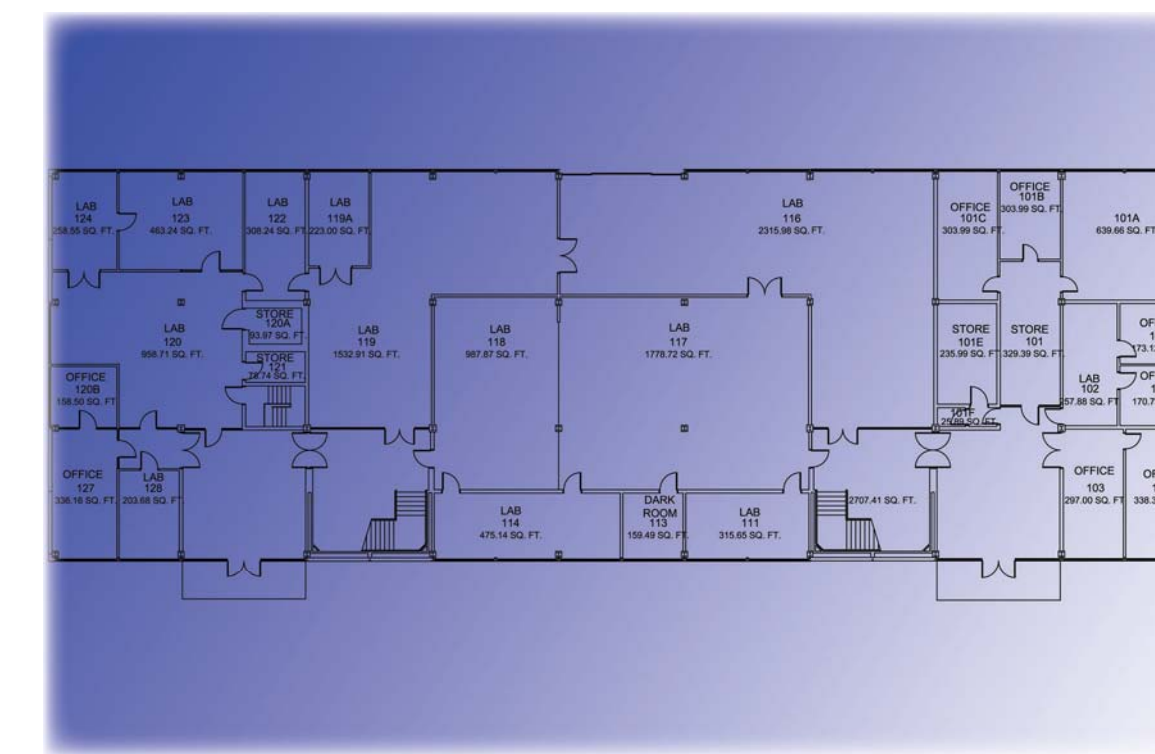
Architecture

Architectural Engineering

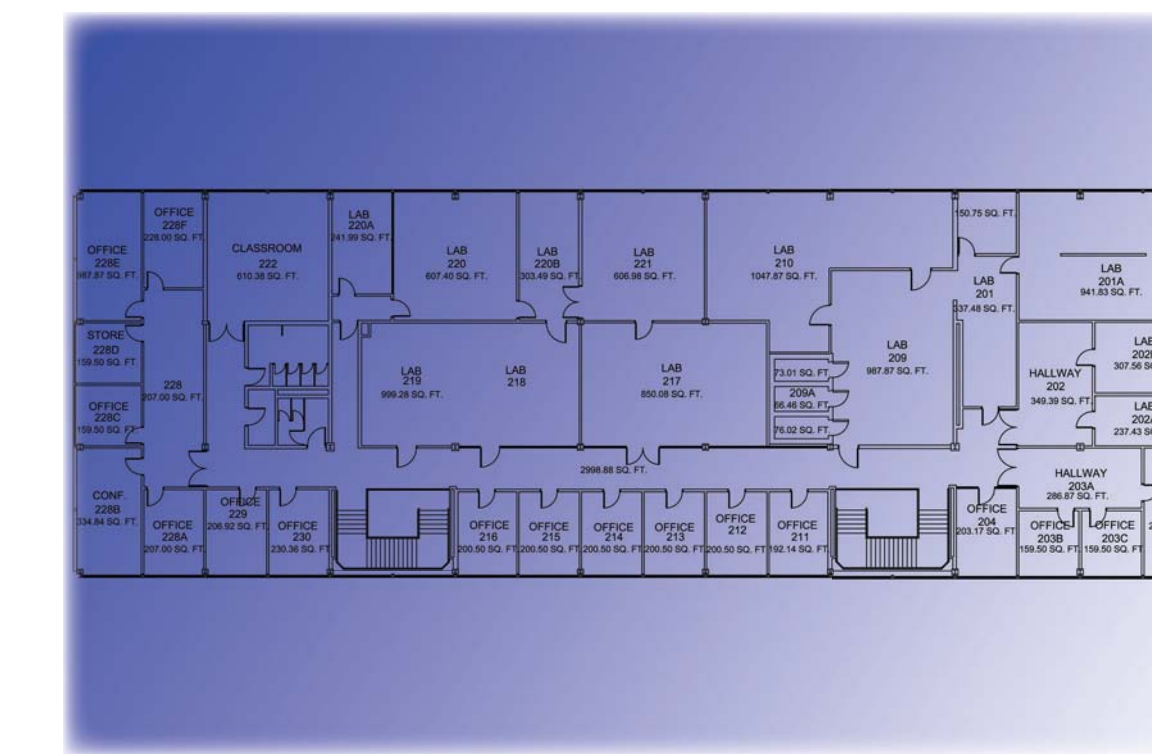
Structural Model



Current Basement Floor Plan

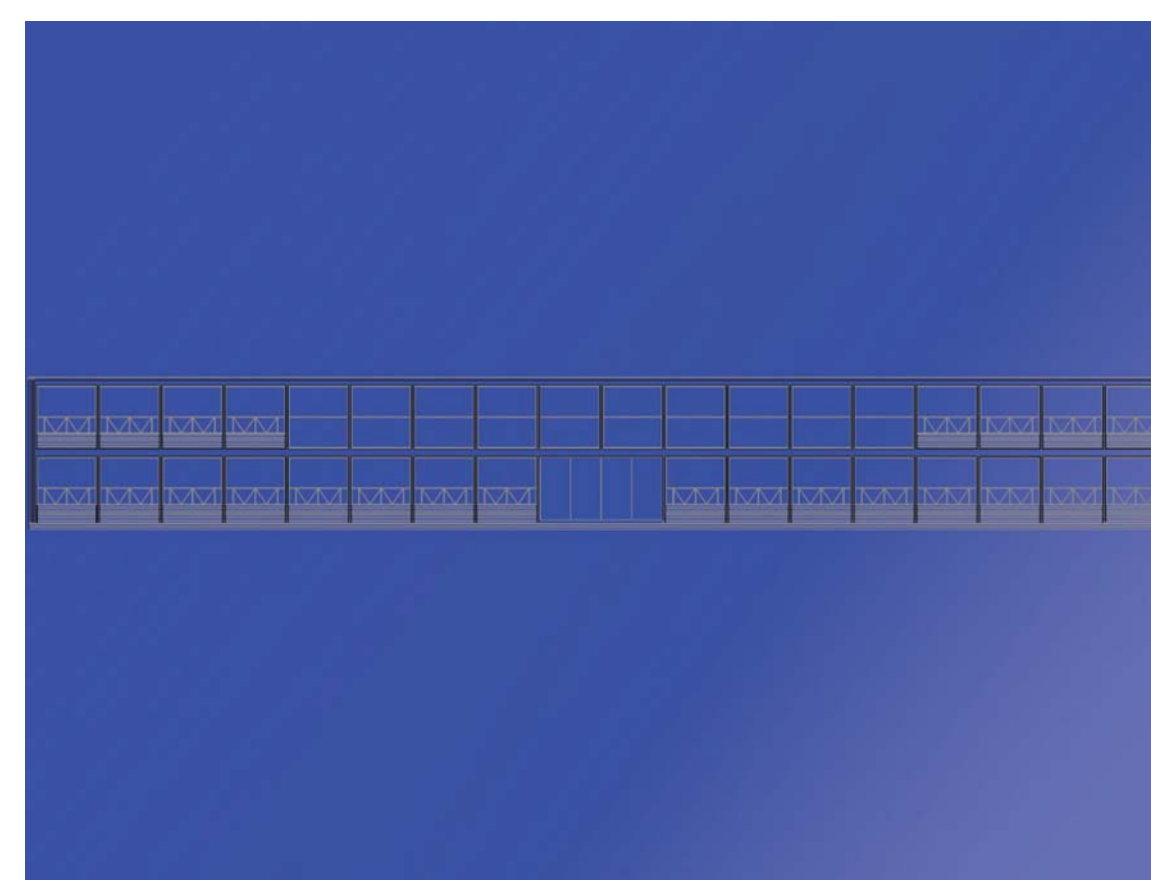
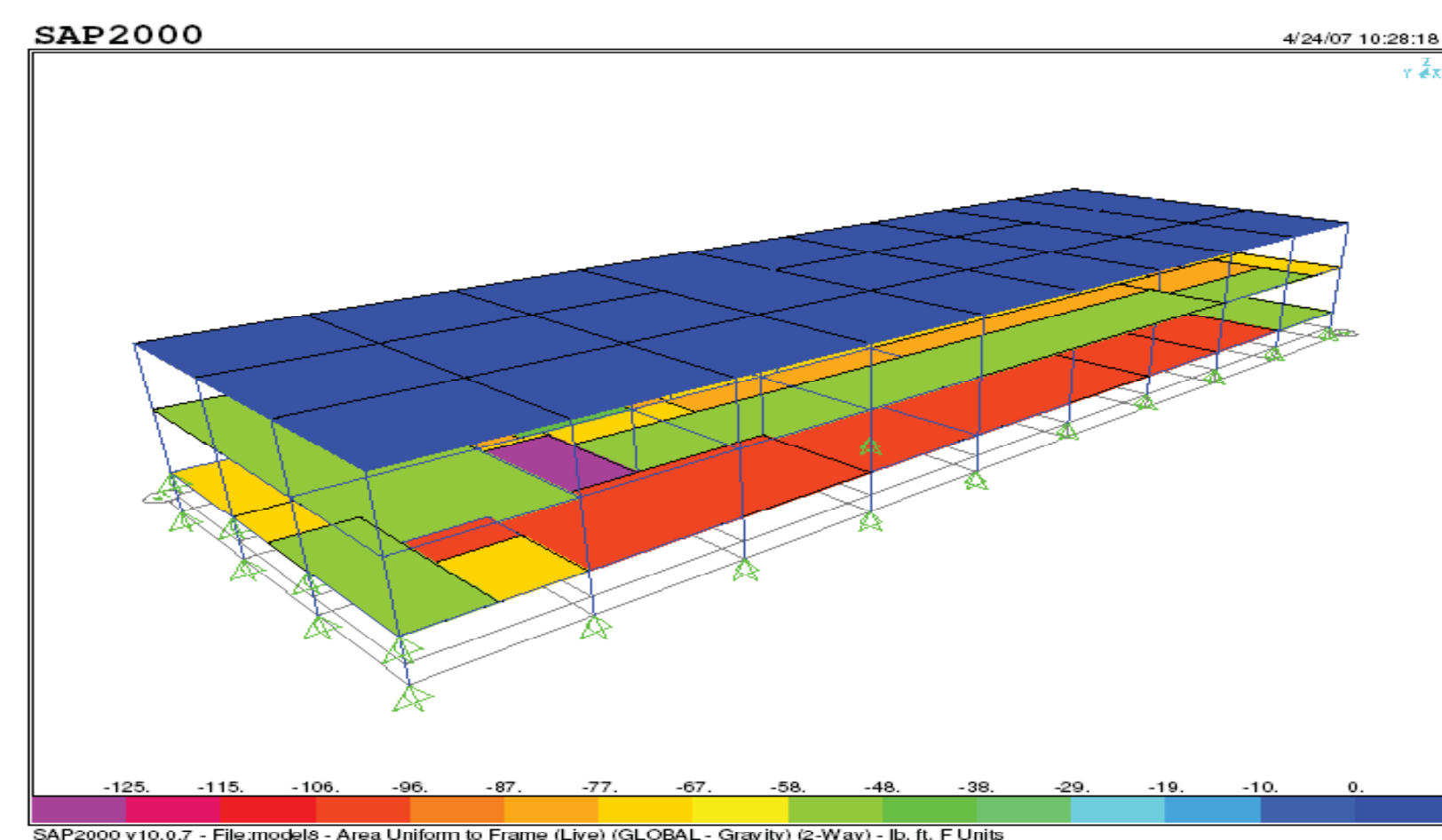


Current First Floor Plan

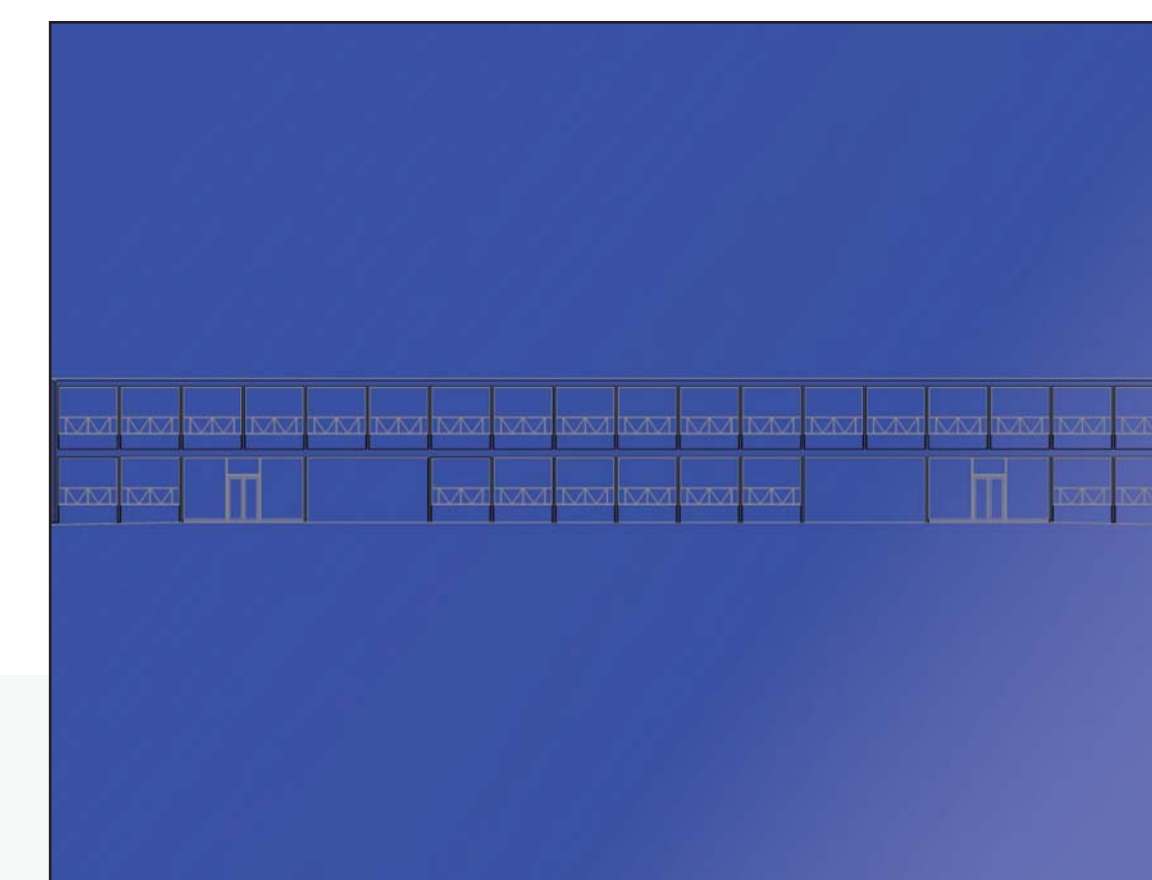


Current Second Floor Plan

Live Load



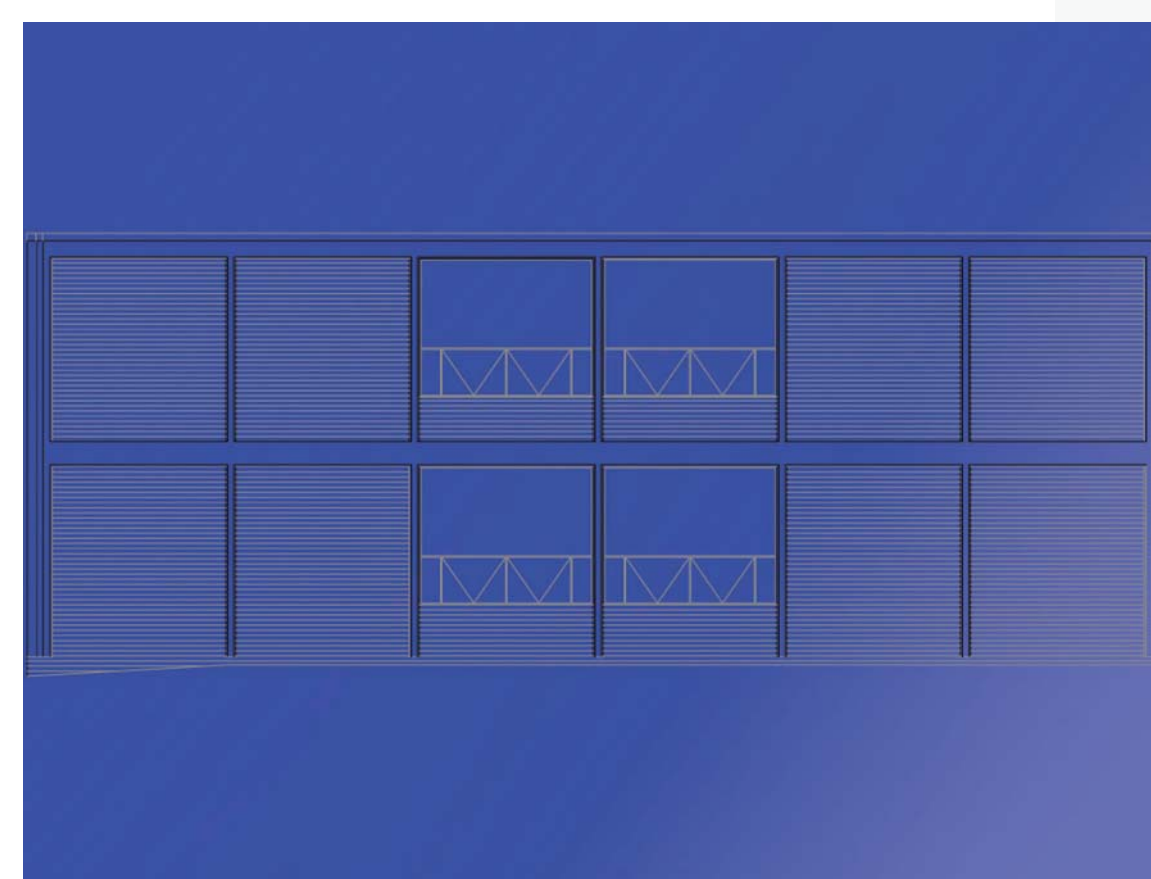
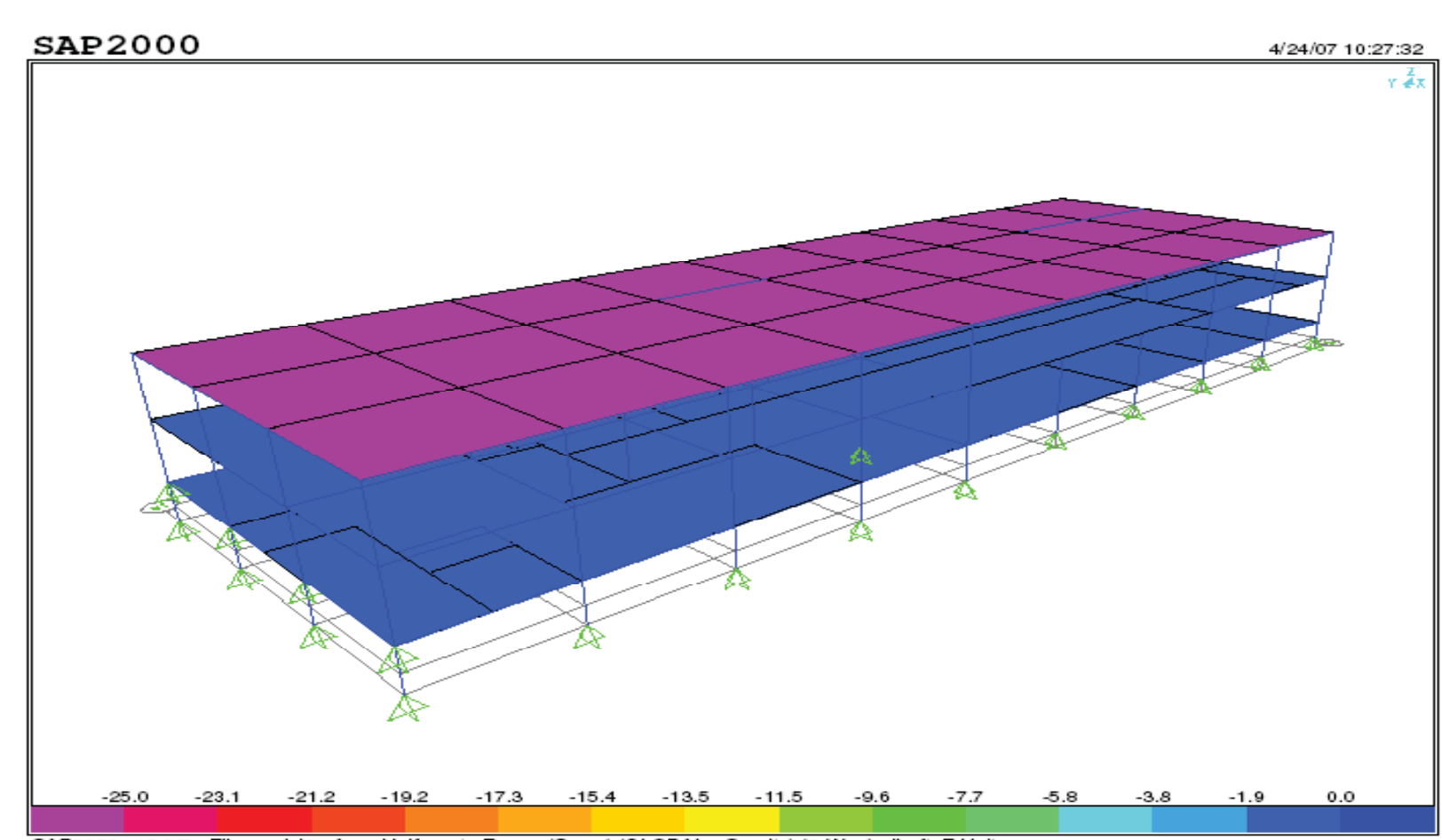
North Elevation



South Elevation



Snow Load

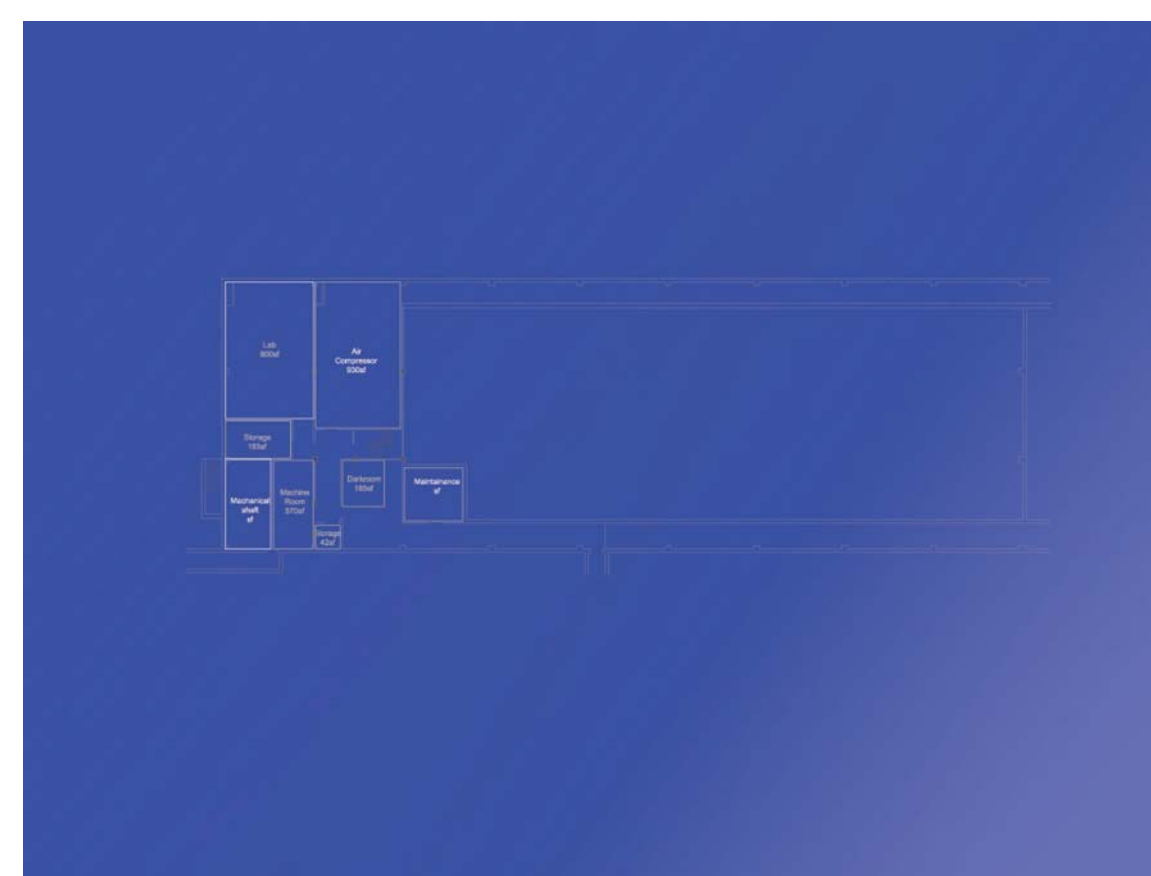
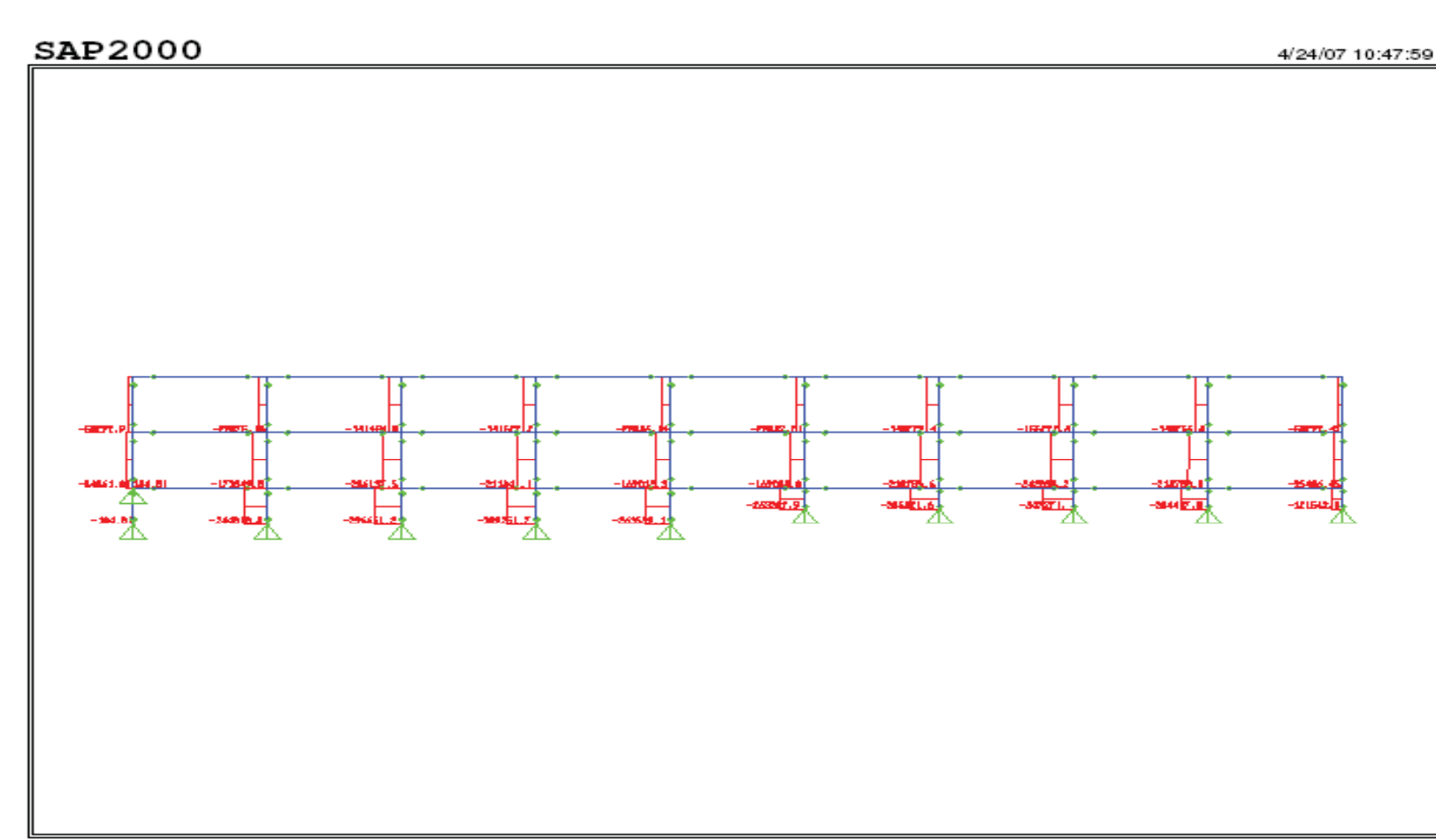


East Elevation



West Elevation

Axial Force Diagram



Proposed Basement Floor Plan

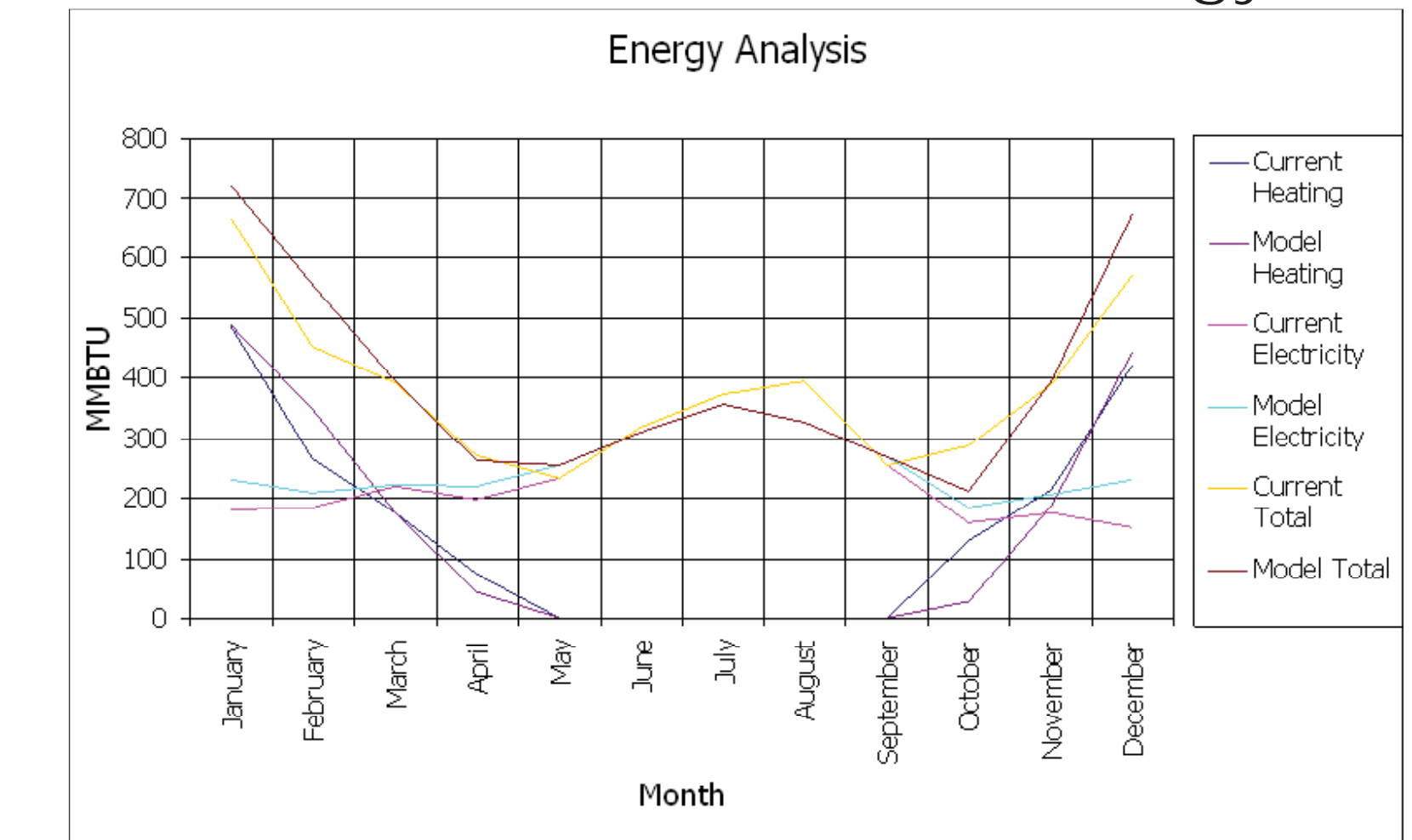


Proposed First Floor Plan

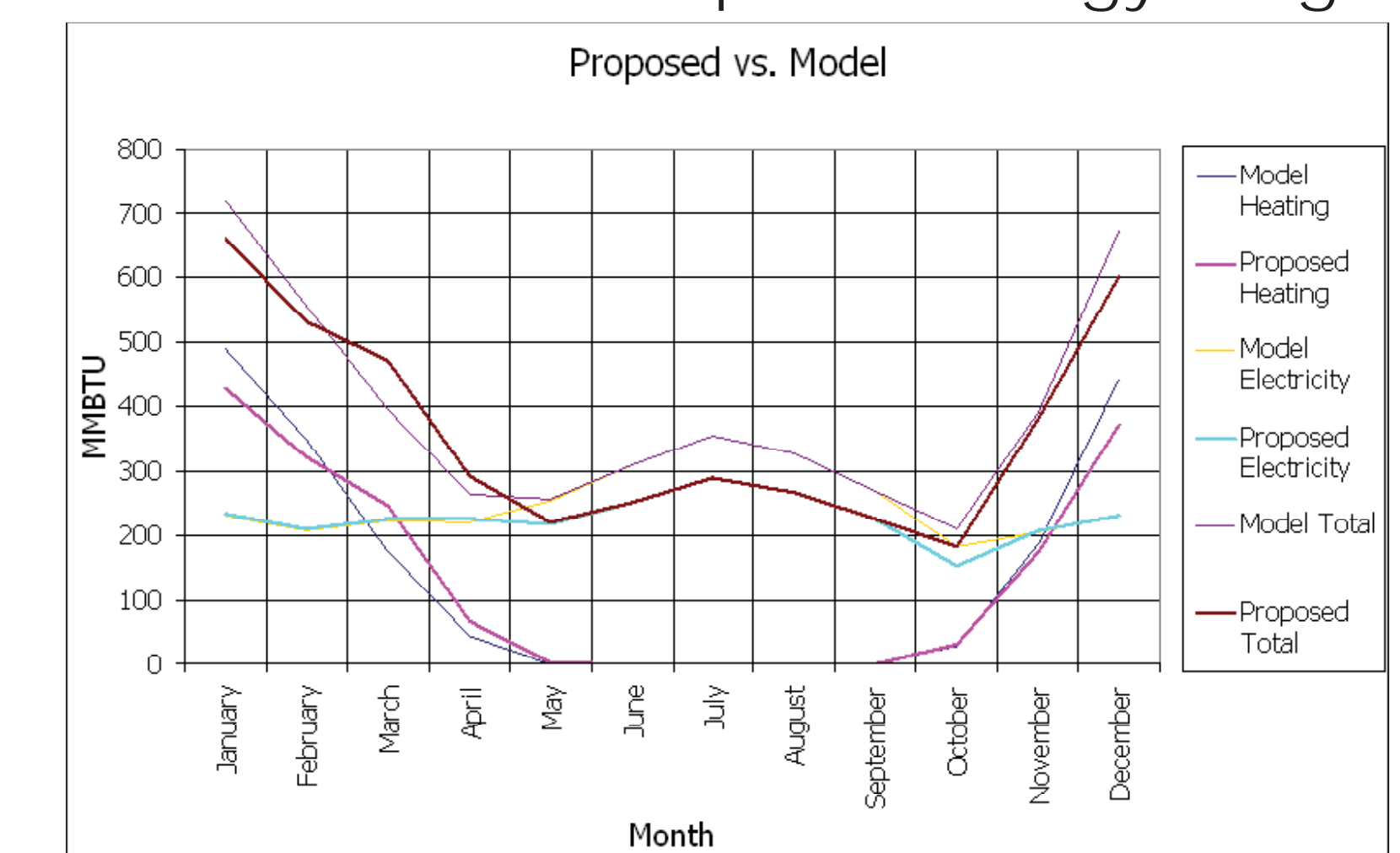


Proposed Second Floor Plan

Current Energy Use



Proposed Energy Usage



Lighting Analysis

First Floor		
Room	Rm #	Ave. Illuminance [fc]
Lab	119A	78
Lab	119	129
Stairway	22	60
Office	101B	76
Lobby	1000	206

Second Floor		
Room	Rm #	Ave. Illuminance [fc]
Office	228E	78
Room	228B	71
Classroom	222	80
Main Hallway	2000	92
Stairway East	158	103
Stairway West	166	73
Lab	220B	26
Lab	218	49

Energy Model

