

**In Class 2:**

**"What's in YOUR ceiling?"**

**Organization**

- Break into the groups you've created
- Do, and report on the in-class problem
- Turn in materials produced, with names of participants, for credit

**Background Information**

- This class session discussed building services and their relation to other systems
- The ongoing work for assignment 1B will elaborate on building services
- The class project description calls for the following services:
  - Rainwater drainage
  - Fresh air supply
  - Fire suppression sprinkler systems
  - Lighting and branch wiring
  - PV generator array
- A typical structural bay for the project is about 21 feet by 29-1/2 feet
  - Girders are 18 inches deep
  - Beams are 12 inches deep
  - Floor to top of deck is about 15 feet
- The design calls for 4 feet x 4 feet skylights 16 feet on center
- Building services have to be coordinated with the other systems
- Each in-class group is going to propose at section and reflected ceiling for a typical bay accounting for the building services

**Discussion / Writing / Sketching**

- **Propose a scheme for the building section of a typical bay for the building services**
- **Propose a scheme for the reflected ceiling of a typical bay for the building services**
- **Comment on how the fastening of each of the building service elements to the structure will affect other building systems**

**Presentation: Report out your results to the class**