

CLACKAMAS HIGH SCHOOL

- **100 Year design life**
- **Shut off lights automatically adjacent to windows to force teachers to open shades (so lighting load not heat up room)**
- **Efficient Condensing boilers**
- **2 pipe system (instead of 4). Cannot heat and cool at the same time.**
- **Interior brick veneer for thermal mass.**
- **Natural ventilation supplies 1000 CFM (code requires 450)**



2nd Floor Classroom Passive Return



Cafeteria Ceiling



Cafeteria Ceiling



Ventilation Intake Cafeteria



Chiller



Classroom Passive Air Intake



Close-up of Passive Air Intake
Classroom



Brick for Thermal Storage



Boiler Room



Classroom Wall, South Side Only



Gym Passive Air Exhaust and Automatic Shades



Passive Air Intake Gym (above hallway ceiling)



Horizontal and Vertical
Hallway skylights



Library Lighting