

TURNER
GROUP



The Advantage™ Classroom vs. Traditional Classrooms



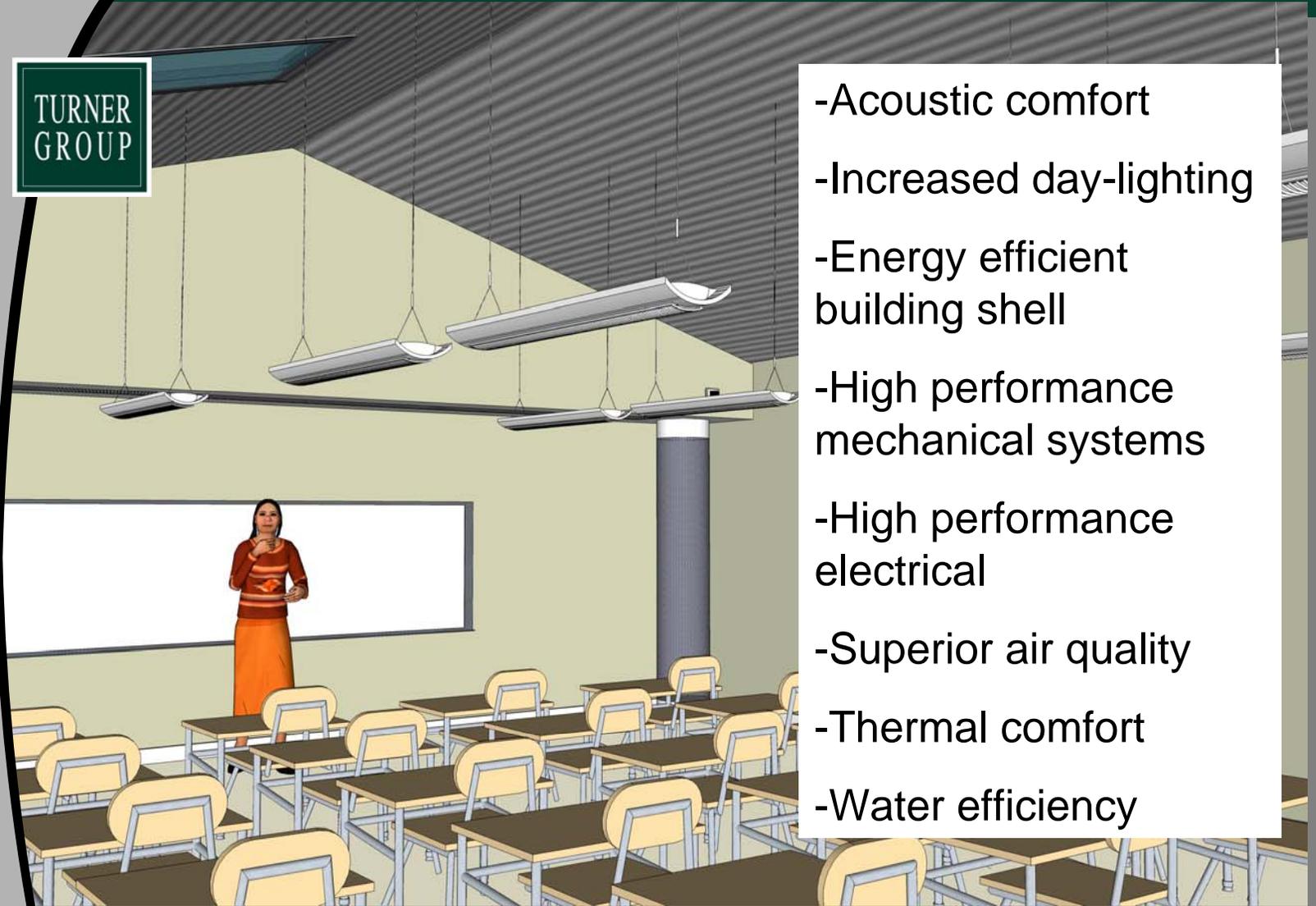
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- Concrete block walls
 - Flat ceiling
 - Low efficiency mechanical systems
 - Limited day-lighting

Typical Traditional Classroom

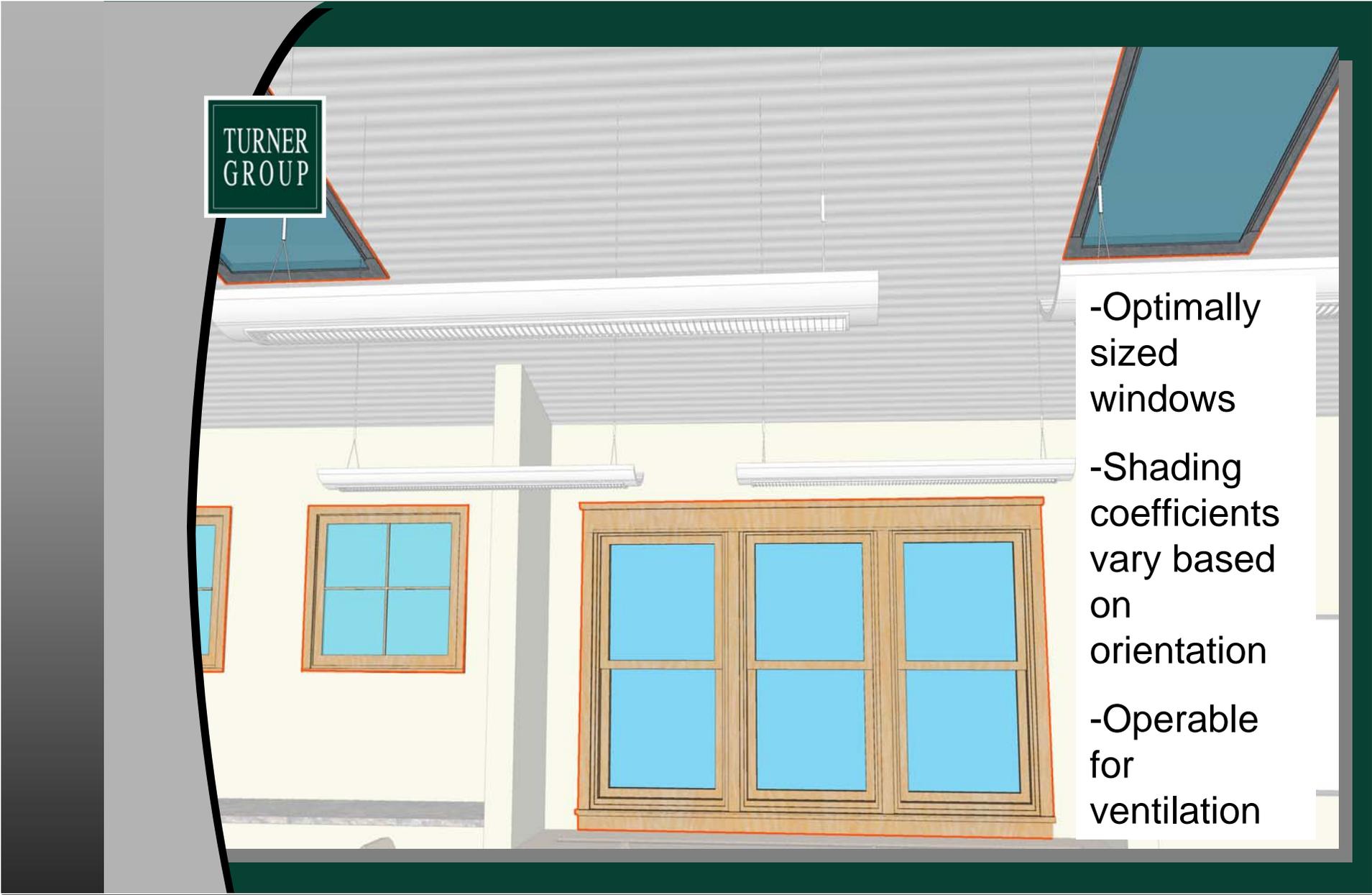


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- Acoustic comfort
- Increased day-lighting
- Energy efficient building shell
- High performance mechanical systems
- High performance electrical
- Superior air quality
- Thermal comfort
- Water efficiency

Advantage™ Classroom



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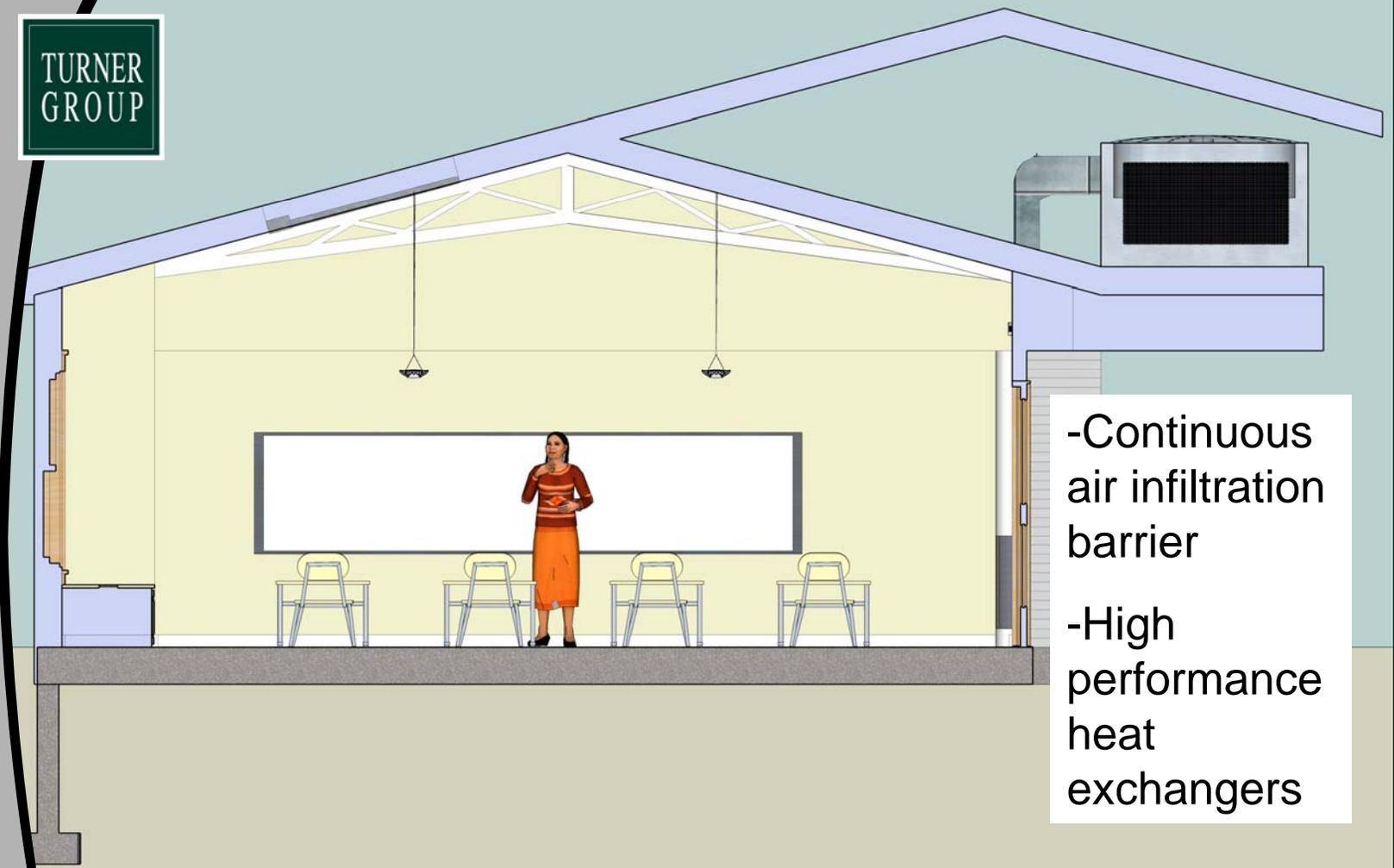
- Optimally
sized
windows

- Shading
coefficients
vary based
on
orientation

- Operable
for
ventilation

Day-Lighting

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-Continuous
air infiltration
barrier

-High
performance
heat
exchangers

Energy Efficient Systems and Building Shell

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- Low flow fixtures
- Low flush toilets

Water Efficiency



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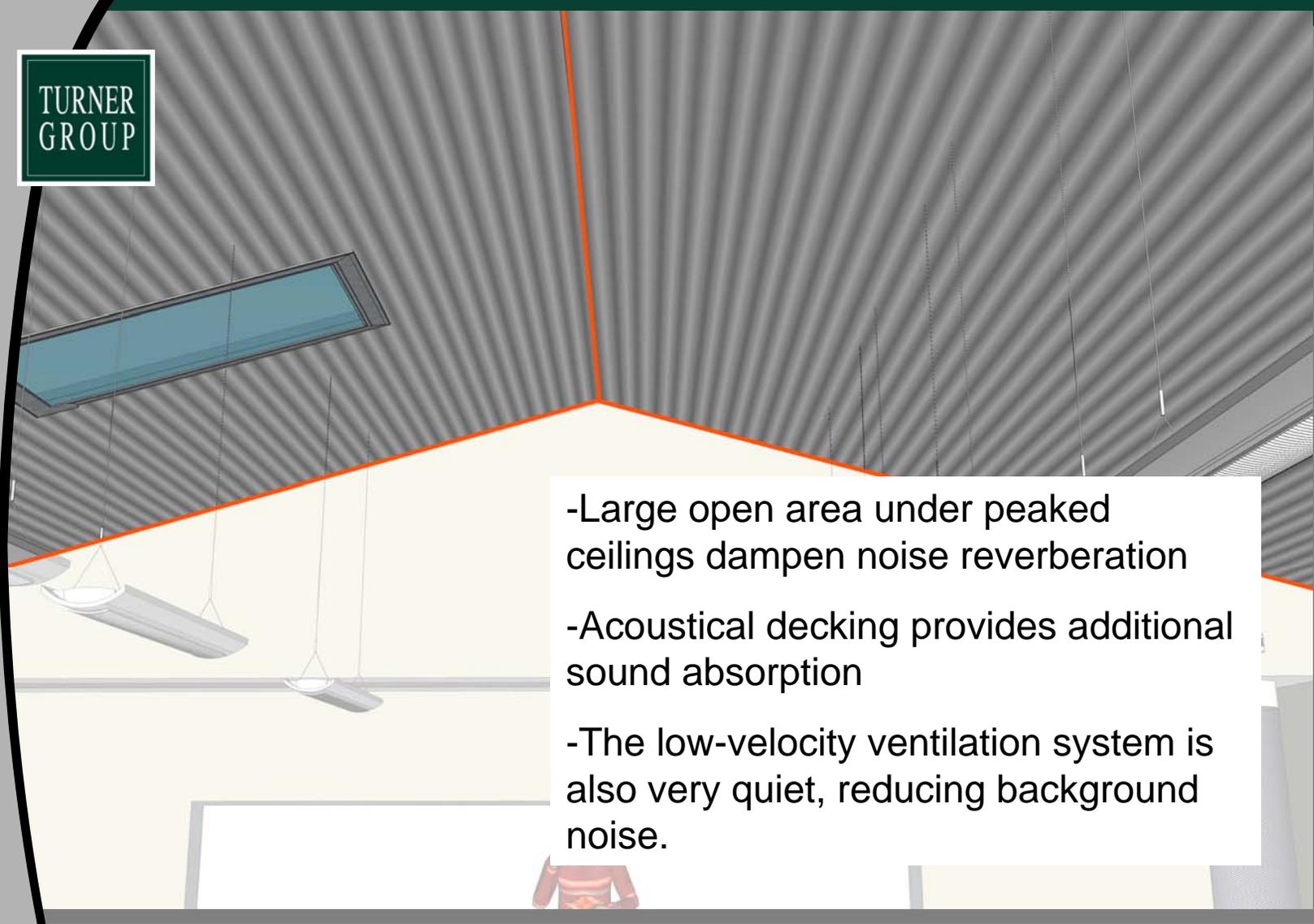
-Thermostats keep temperatures within a comfortable range

-CO2 monitors allow control of fresh air in the room

-Motion detectors allow classroom to conserve electricity.



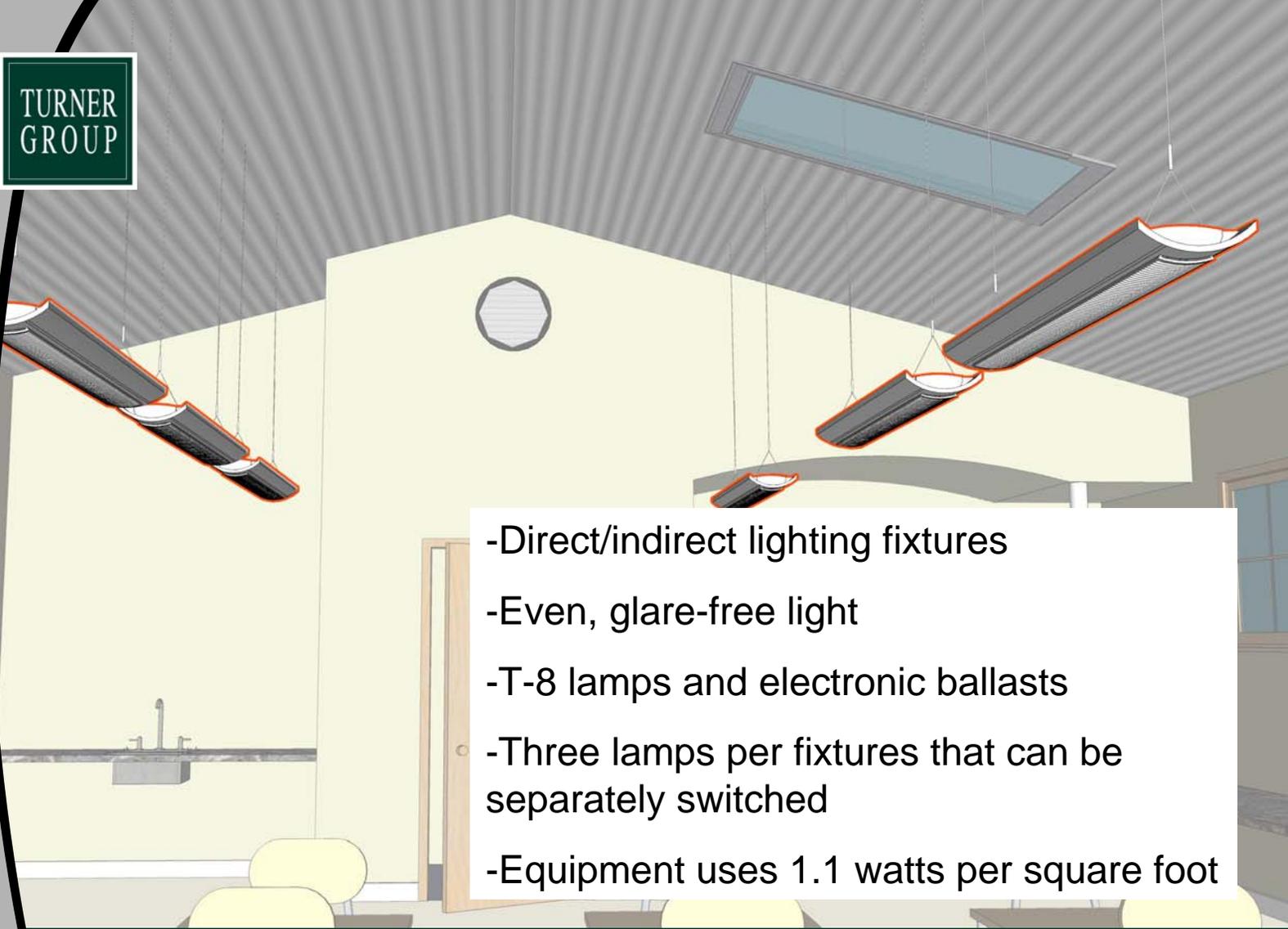
Comfort Control

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- Large open area under peaked ceilings dampen noise reverberation
 - Acoustical decking provides additional sound absorption
 - The low-velocity ventilation system is also very quiet, reducing background noise.

Acoustic Comfort

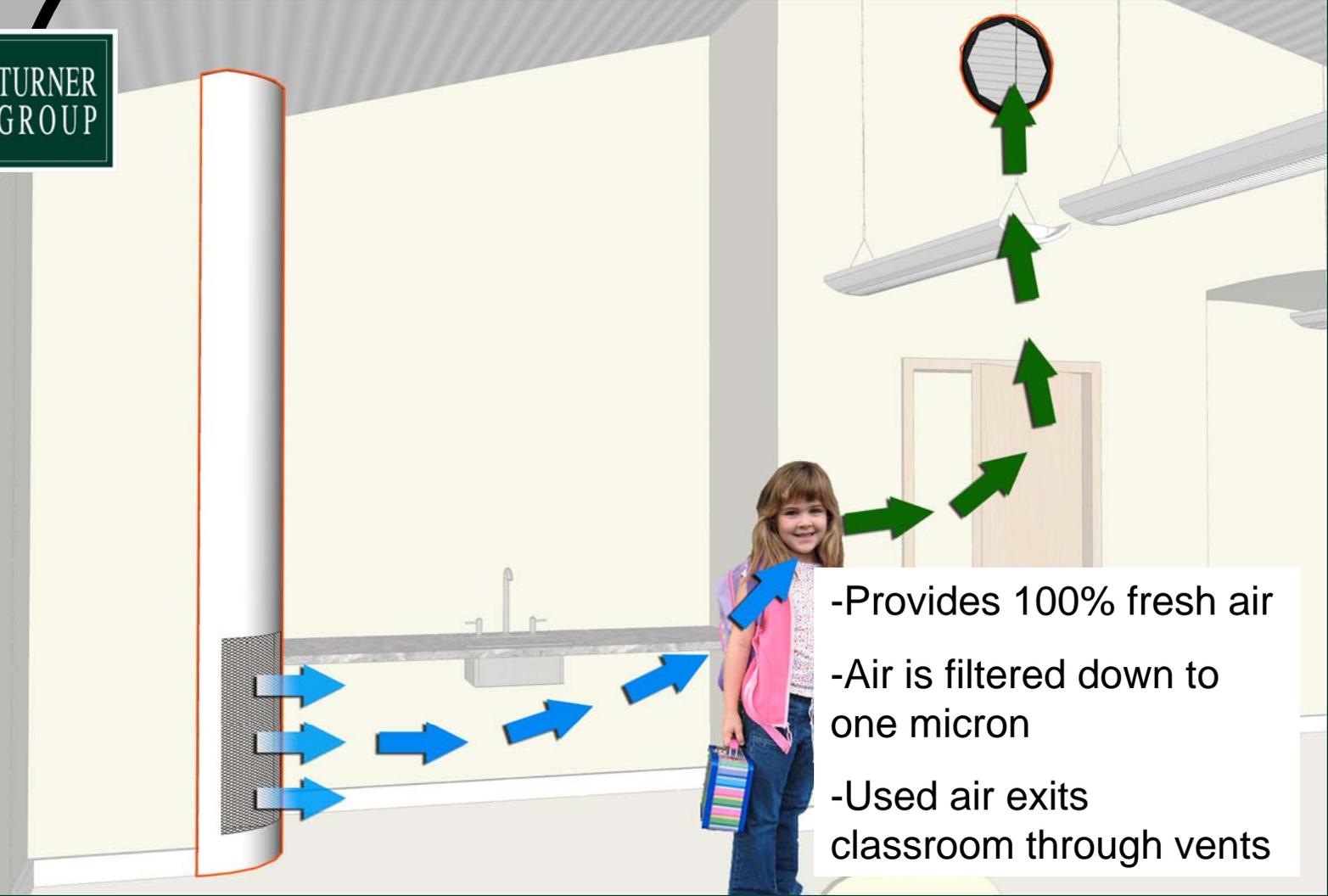


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- Direct/indirect lighting fixtures
 - Even, glare-free light
 - T-8 lamps and electronic ballasts
 - Three lamps per fixtures that can be separately switched
 - Equipment uses 1.1 watts per square foot

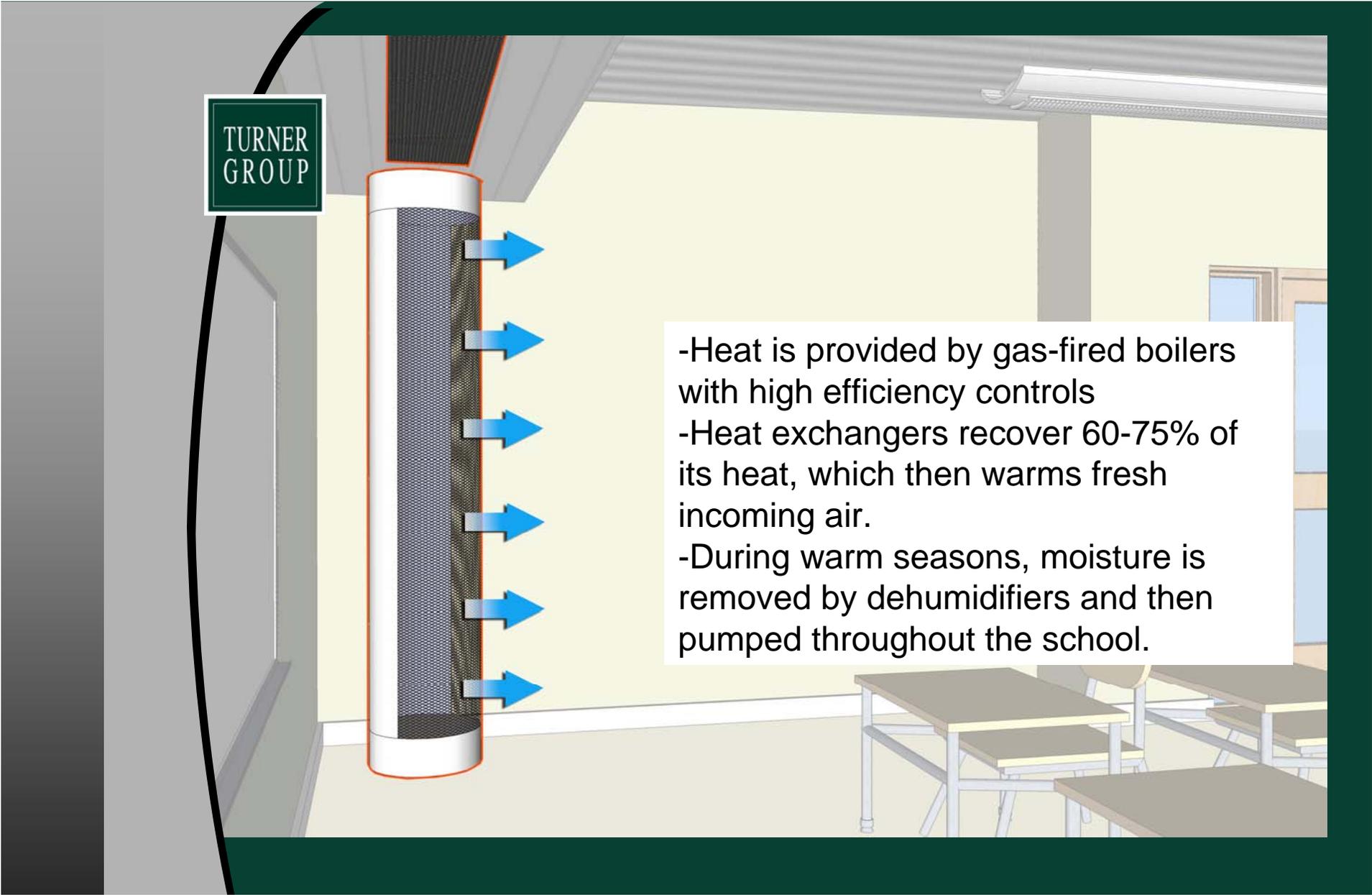
High Performance Electrical Lighting

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- Provides 100% fresh air
- Air is filtered down to one micron
- Used air exits classroom through vents

Displacement Air Ventilation



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- Heat is provided by gas-fired boilers with high efficiency controls
- Heat exchangers recover 60-75% of its heat, which then warms fresh incoming air.
- During warm seasons, moisture is removed by dehumidifiers and then pumped throughout the school.

High Performance HVAC