

### **ARE WE IN BUSINESS AT PAE?**

We help solve the planet's energy and water challenges

### DO WE DO?

We work with clients to design the nation's highest performing built environments

#### DO WE DO IT?

We listen to our clients

We hire and retain the best staff

We provide innovative solutions that work

# Our Services

# We guide buildings from the idea stage through construction—and beyond



MECHANICAL ENGINEERING



**ELECTRICAL ENGINEERING** 



TECHNOLOGY DESIGN



ARCHITECTURAL LIGHTING DESIGN (LUMA)



BUILDING PERFORMANCE ANALYSIS

# Our Services

## Regenerative Design Group



BUILDING PERFORMANCE ANALYSIS



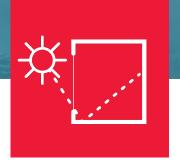
SUSTAINABLE DISTRICT PLANNING



GREENHOUSE GAS CONSULTING



RENEWABLE ENERGY SYSTEMS



DAYLIGHTING DESIGN



11

Living Buildings

65+

LEED Platinum

09

Passive House

30+

Net Zero

## Markets

We solve problems in diverse markets and for diverse clients giving us a unique edge













**HEALTHCARE** 

HIGHER EDUCATION

**AVIATION** 

**GOVERNMENT** 

COMMERCIAL OFFICE

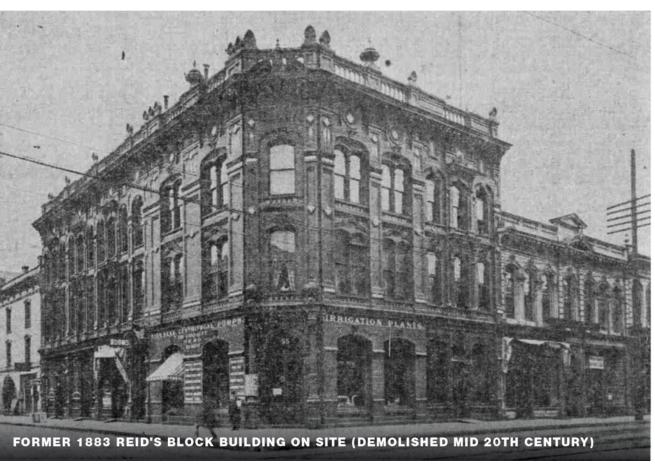
**LABORATORIES** 



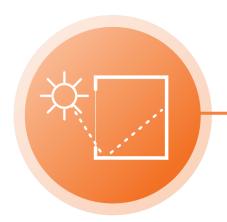




## Historical Context







**NATURAL DAYLIGHT** 









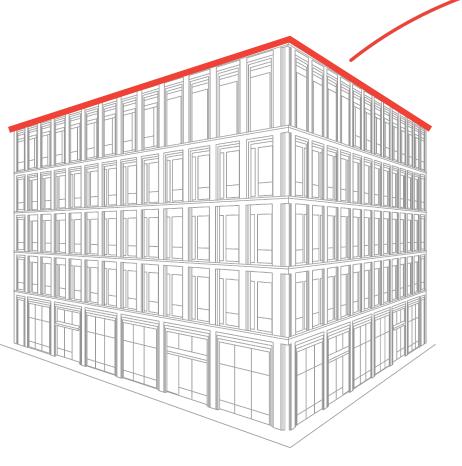
HEIGHT

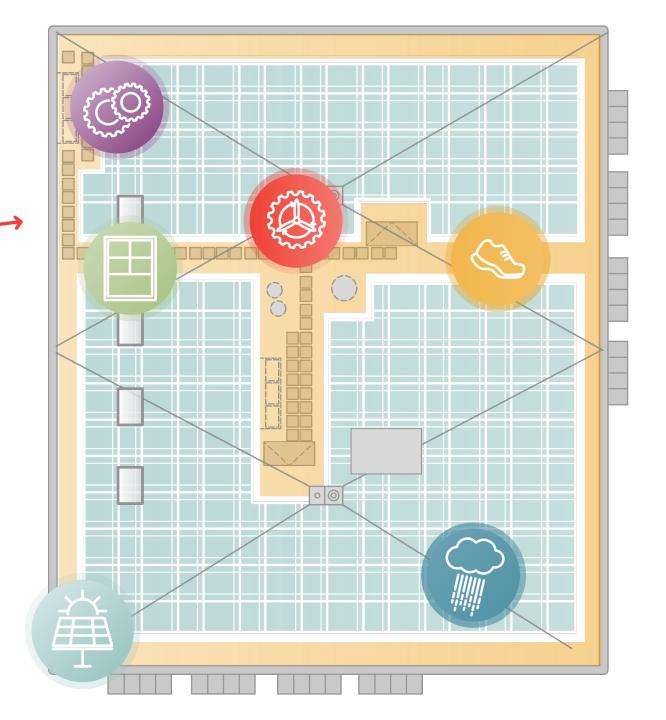




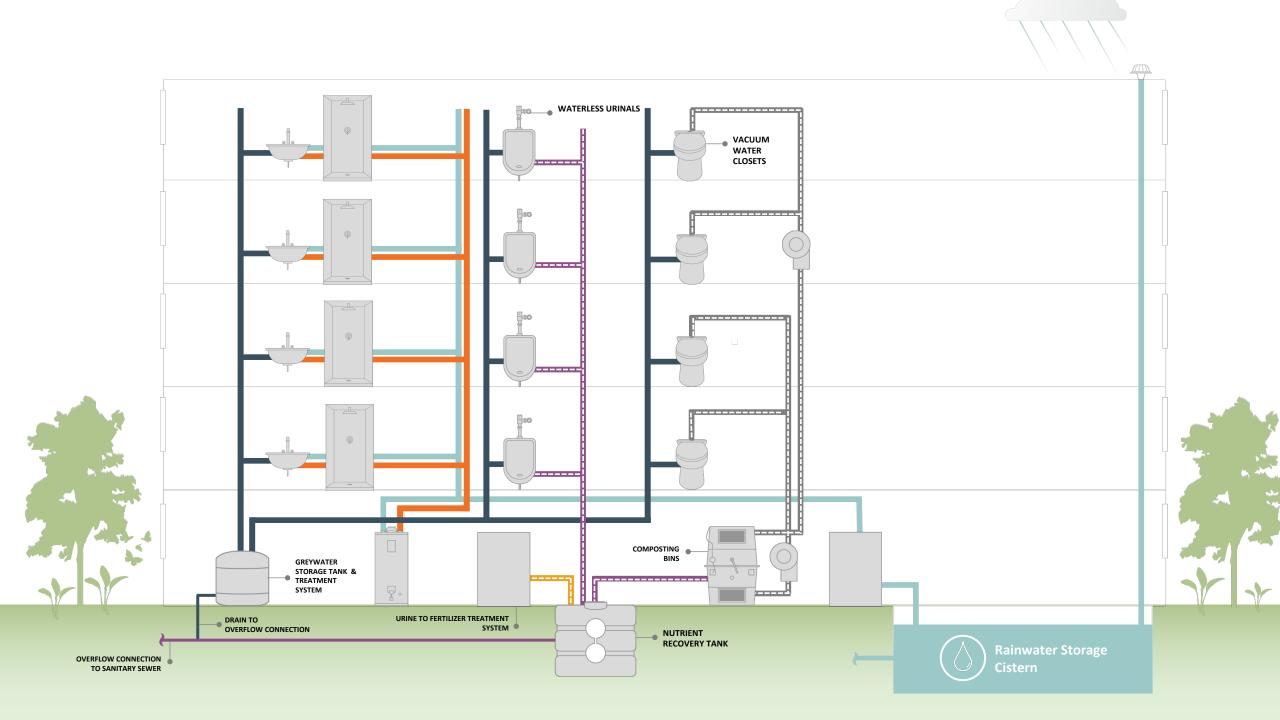
# Impacts on Power Generation

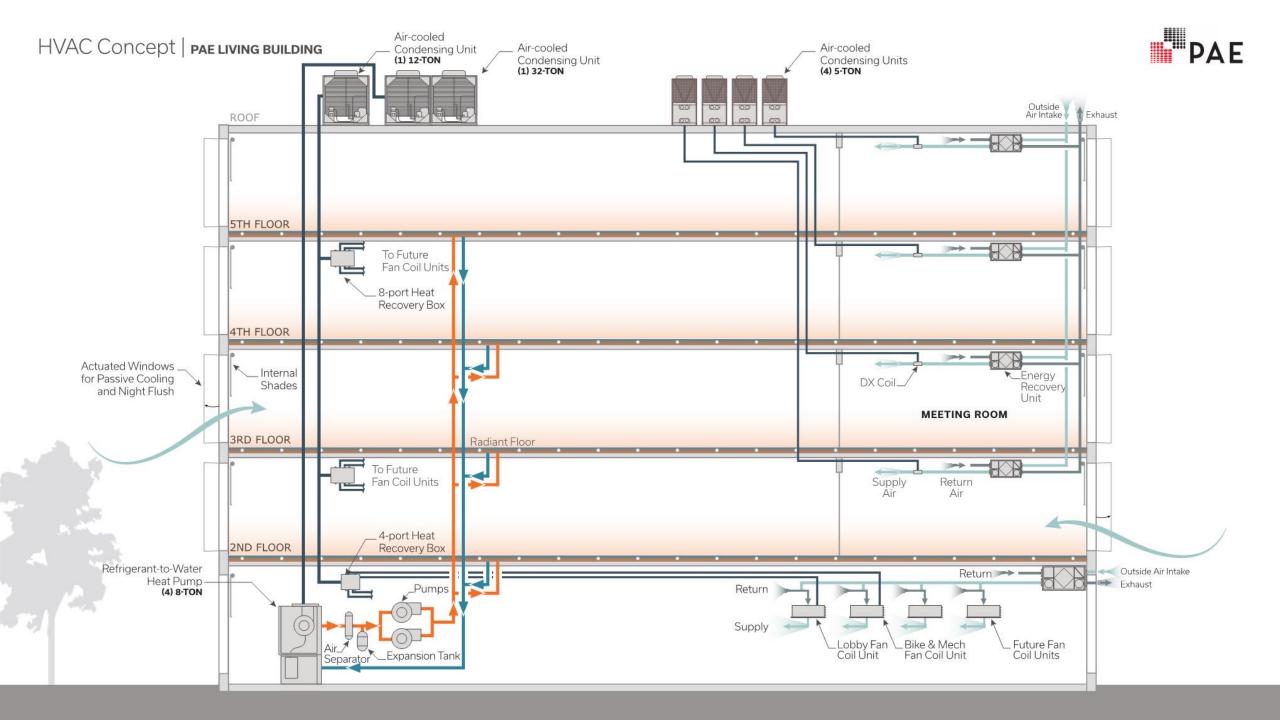
**LIMITED ROOF AREA** 





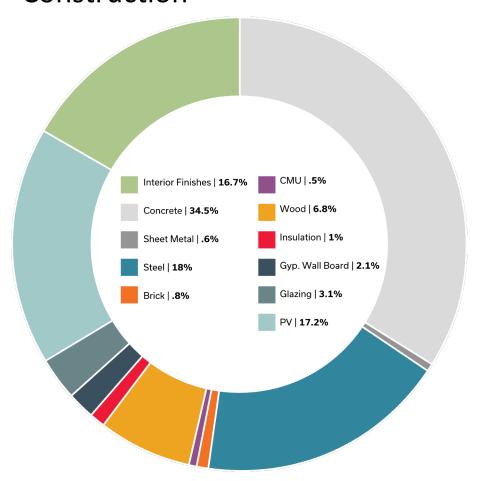








## Embodied Emissions Cradle through Construction



## **30 Year Emissions**

