



THE GREENING CURVE

Why?

The image features the word "Why?" centered on a solid black background. The word "Why" is rendered in a large, white, sans-serif font. To its right is a bright green question mark. On the left side of the word "Why", there is a large, semi-transparent purple question mark that overlaps the letters "W" and "h".

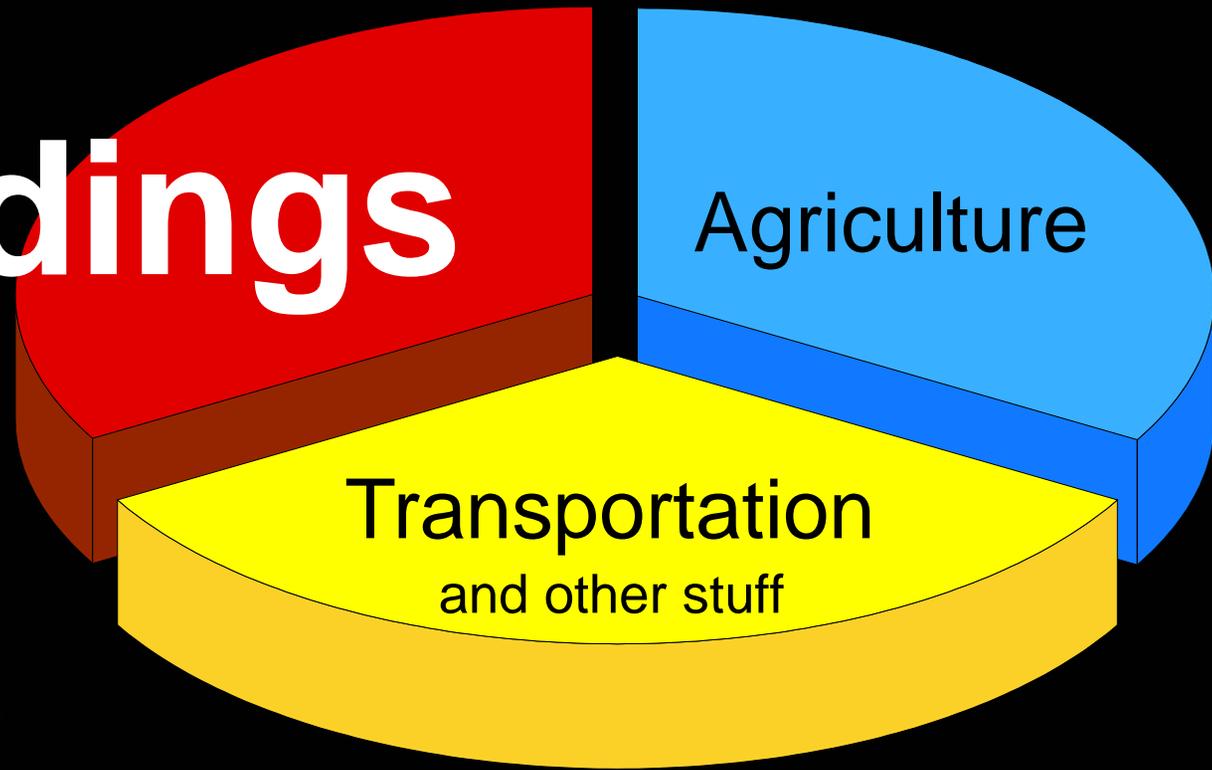
Stewardship

Buildings

Agriculture

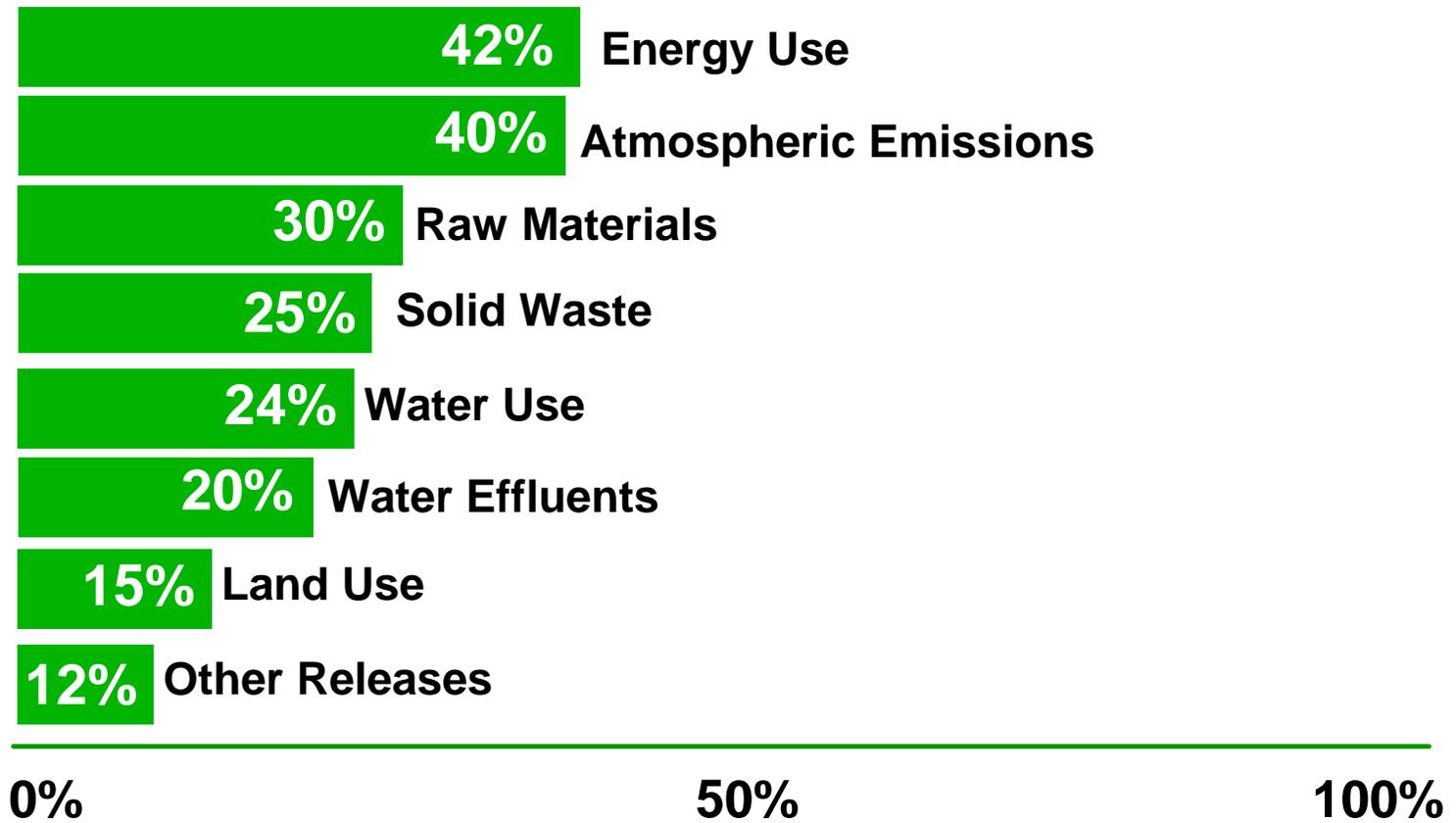
Transportation
and other stuff

One third of
our environmental
impacts



Buildings

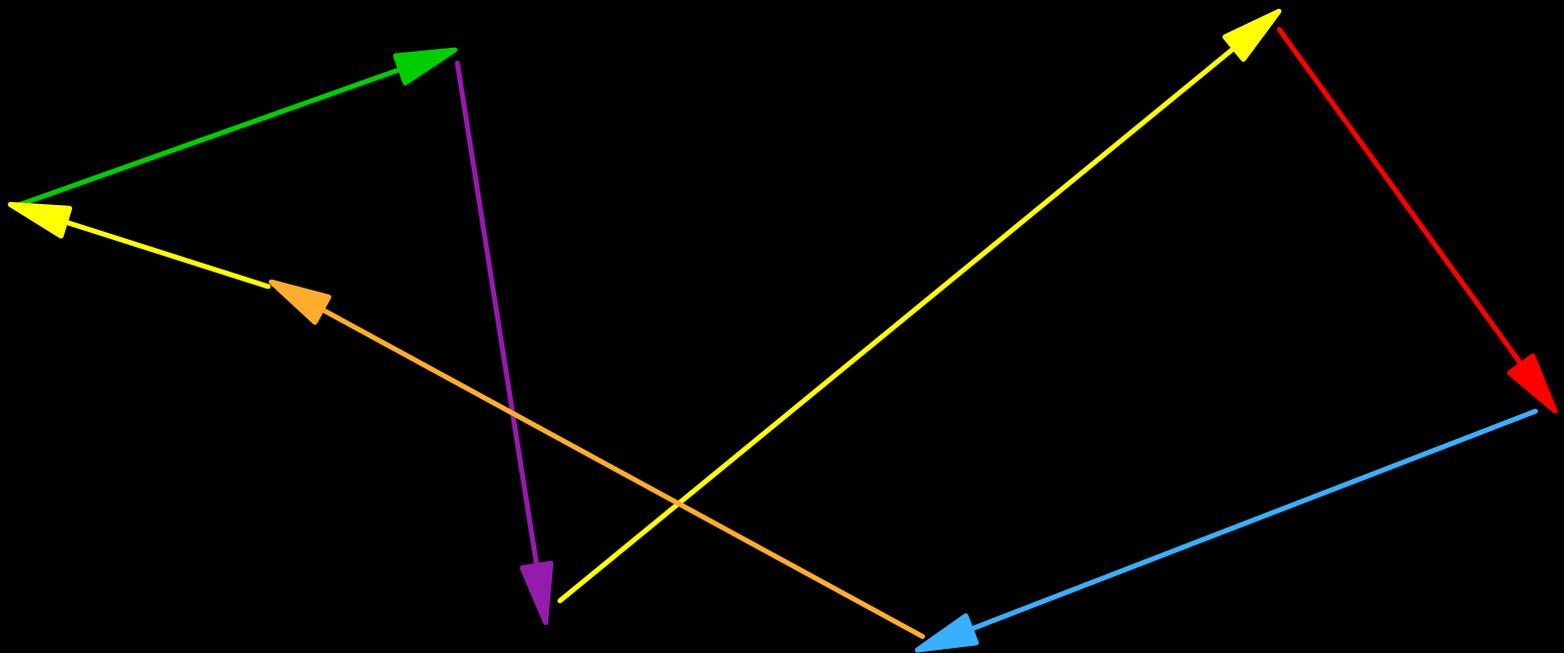
Percentage of annual U.S. environmental impacts



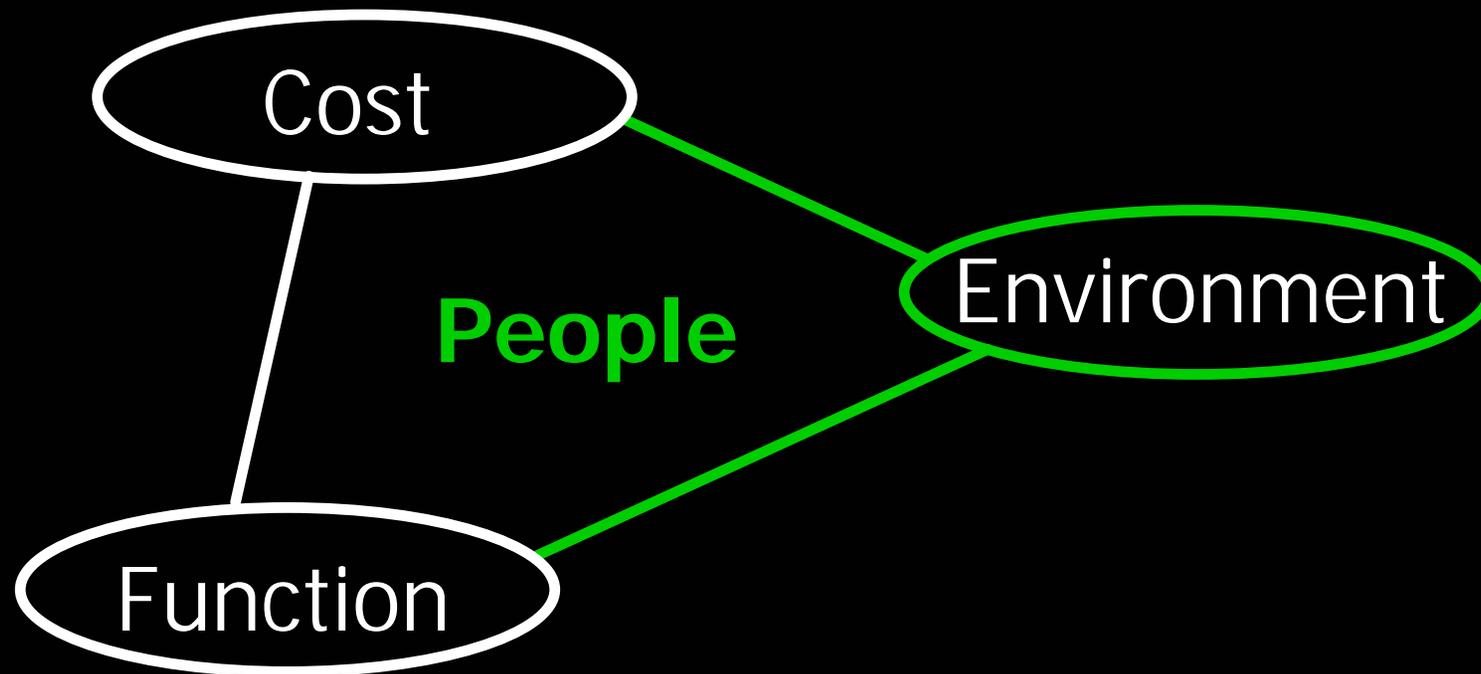
How



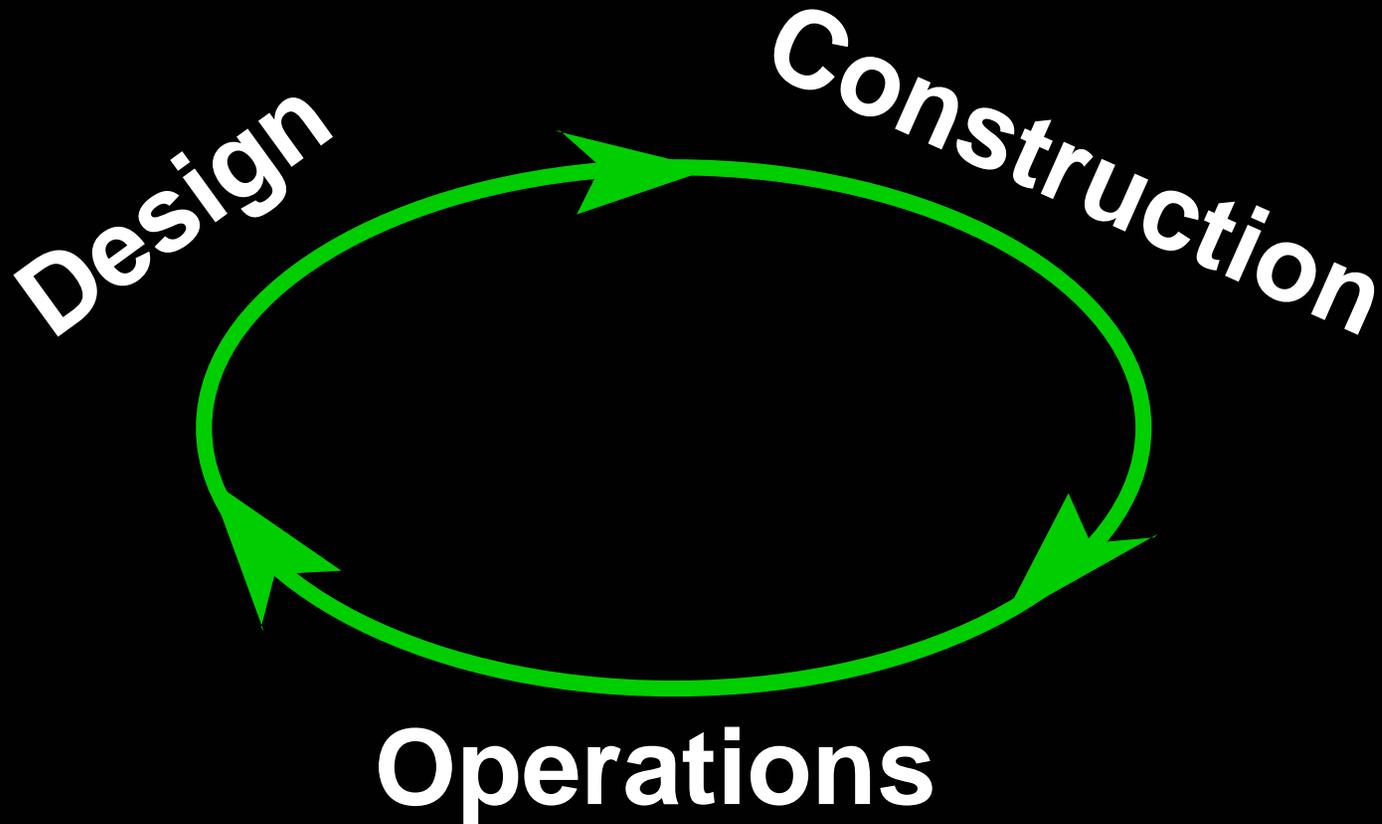
See the Connections



Balance



Life-Cycle Focus



Big Picture

Right size, right location

Built to last

Energy and water efficient

Material efficient

Reuses/recycles waste

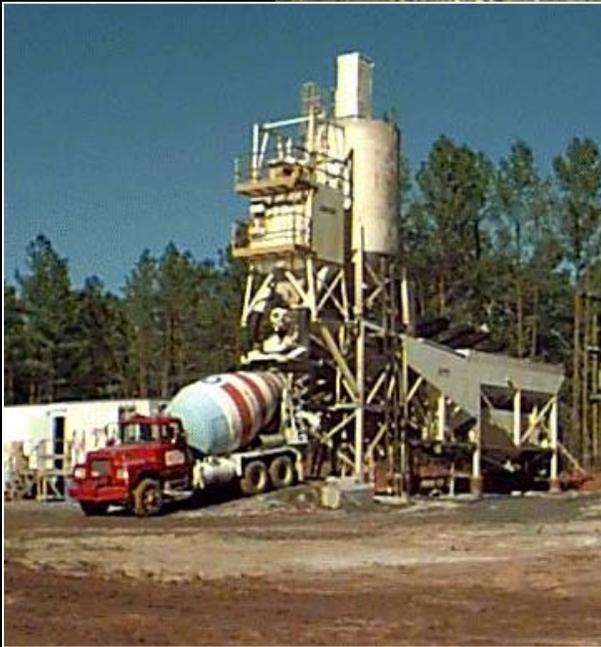
Healthy and enjoyable

Affordable

Environmental Advocates



Win-Win View



On-site concrete



Reduced clearing

Tools

Energy
Models

Whole Building
Assessments

Life Cycle
Thinking

Green

Value Engineering

What?

What have we done?

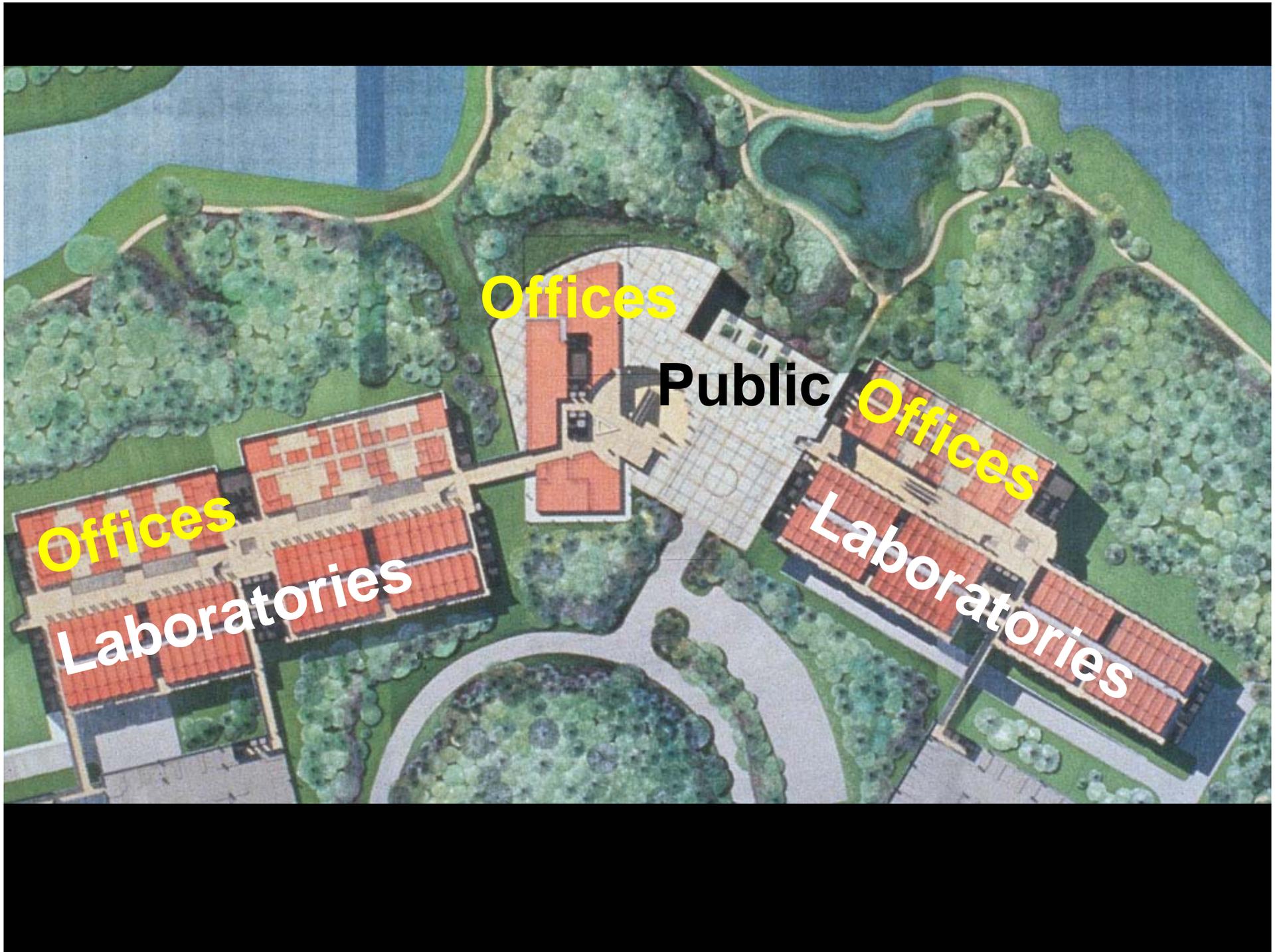
Very green

No extra money

(OK, a little extra money)







Offices

Public

Offices

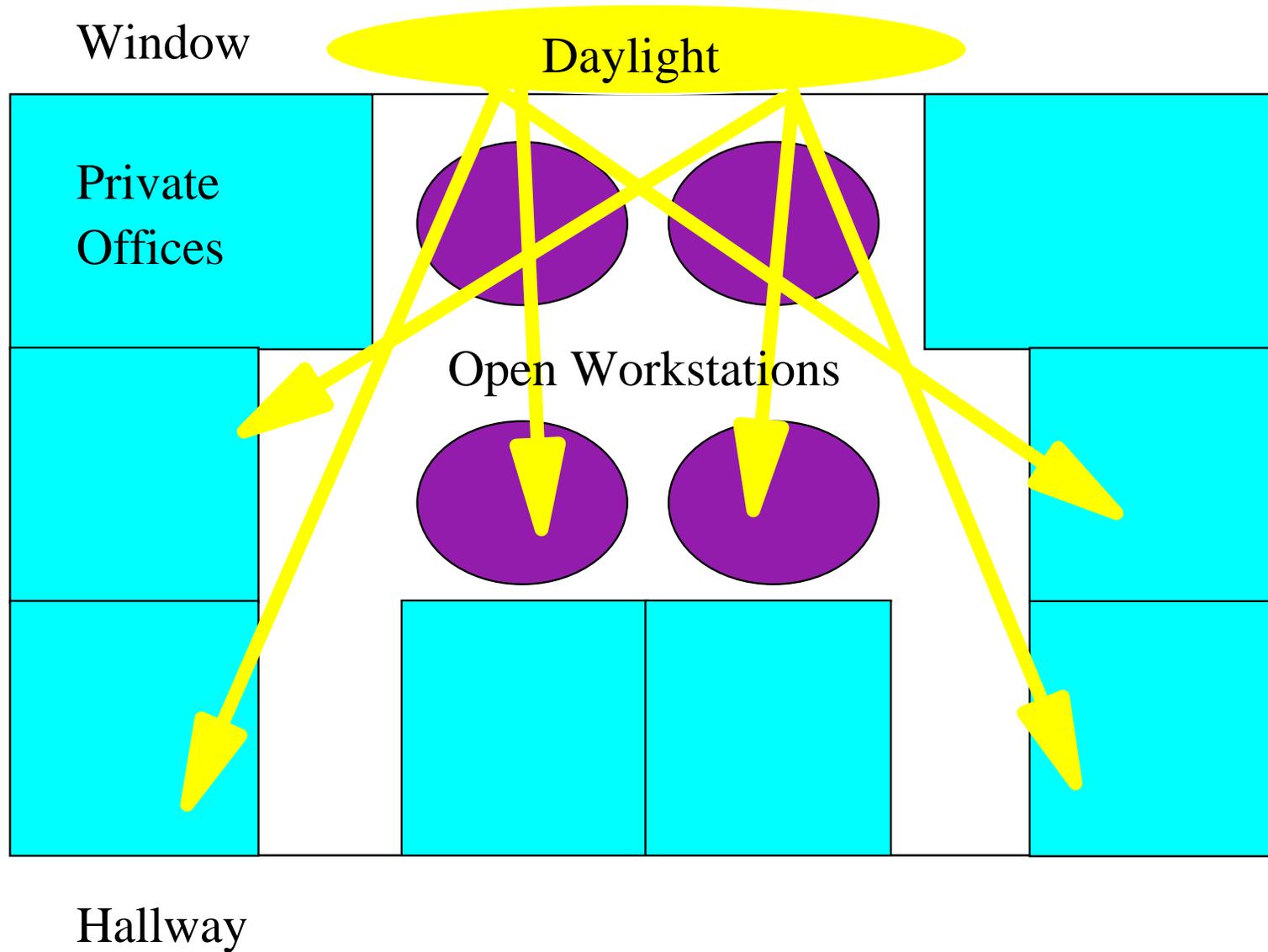
Offices

Laboratories

Laboratories

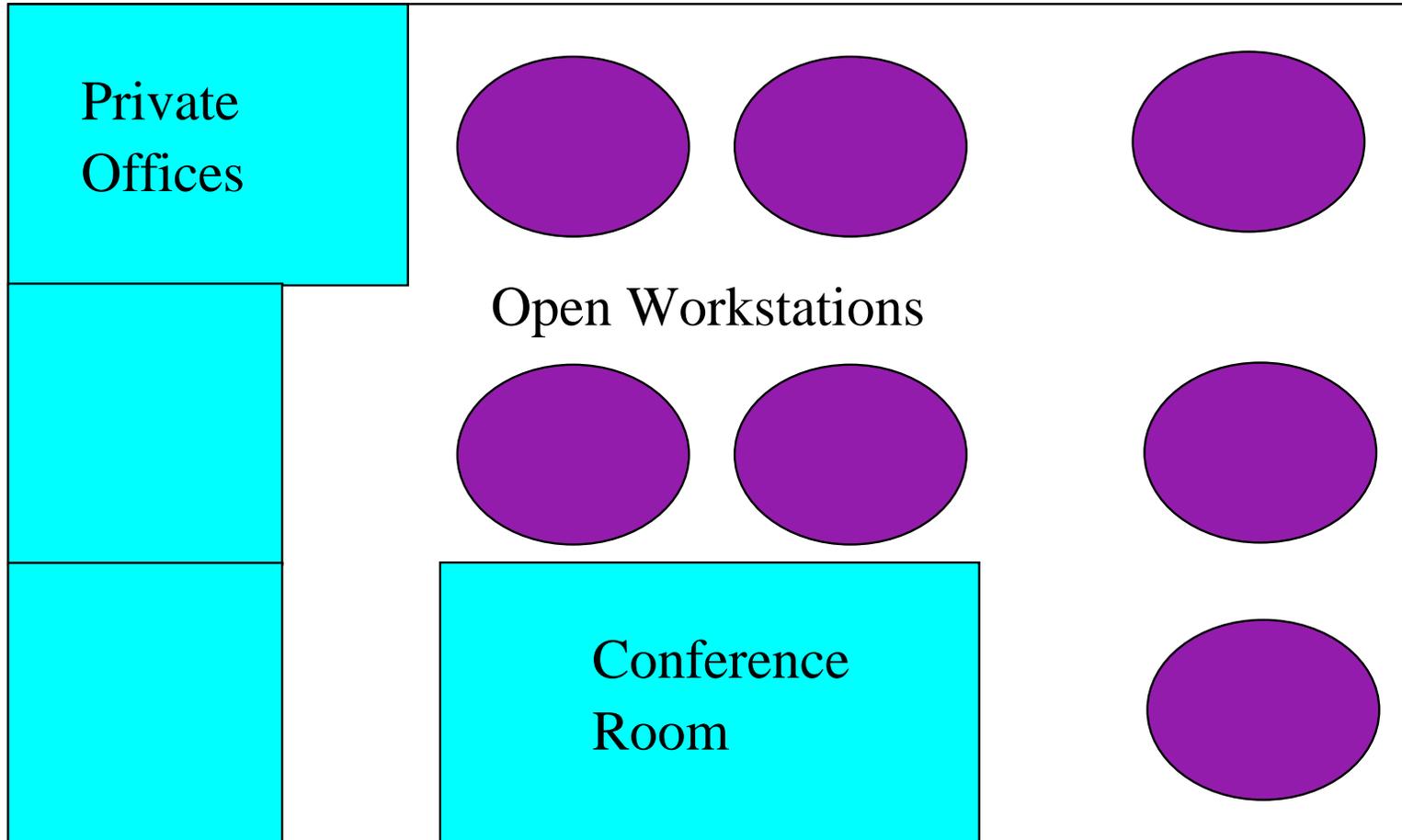


Office Building Blocks



Office Building Blocks

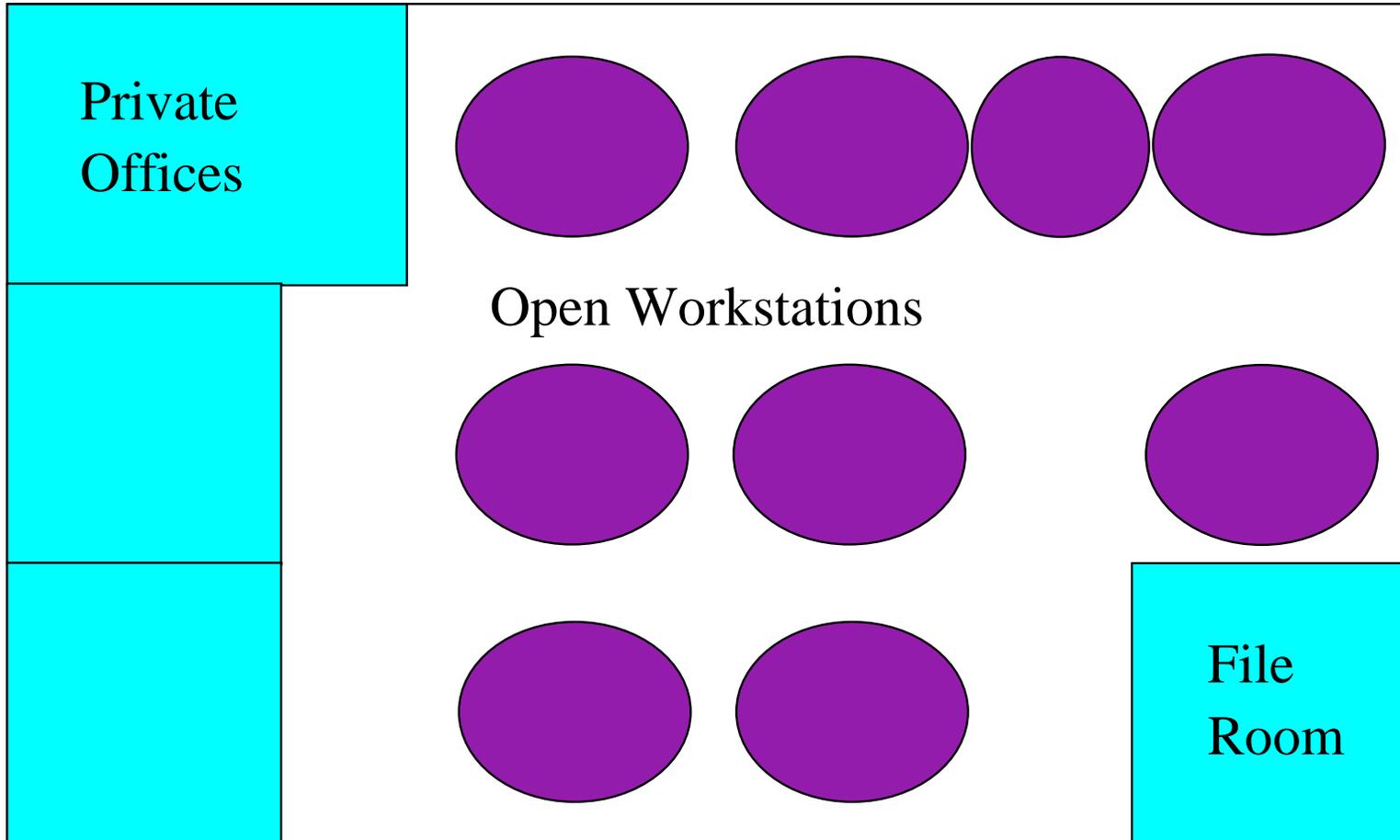
Window



Hallway

Office Building Blocks

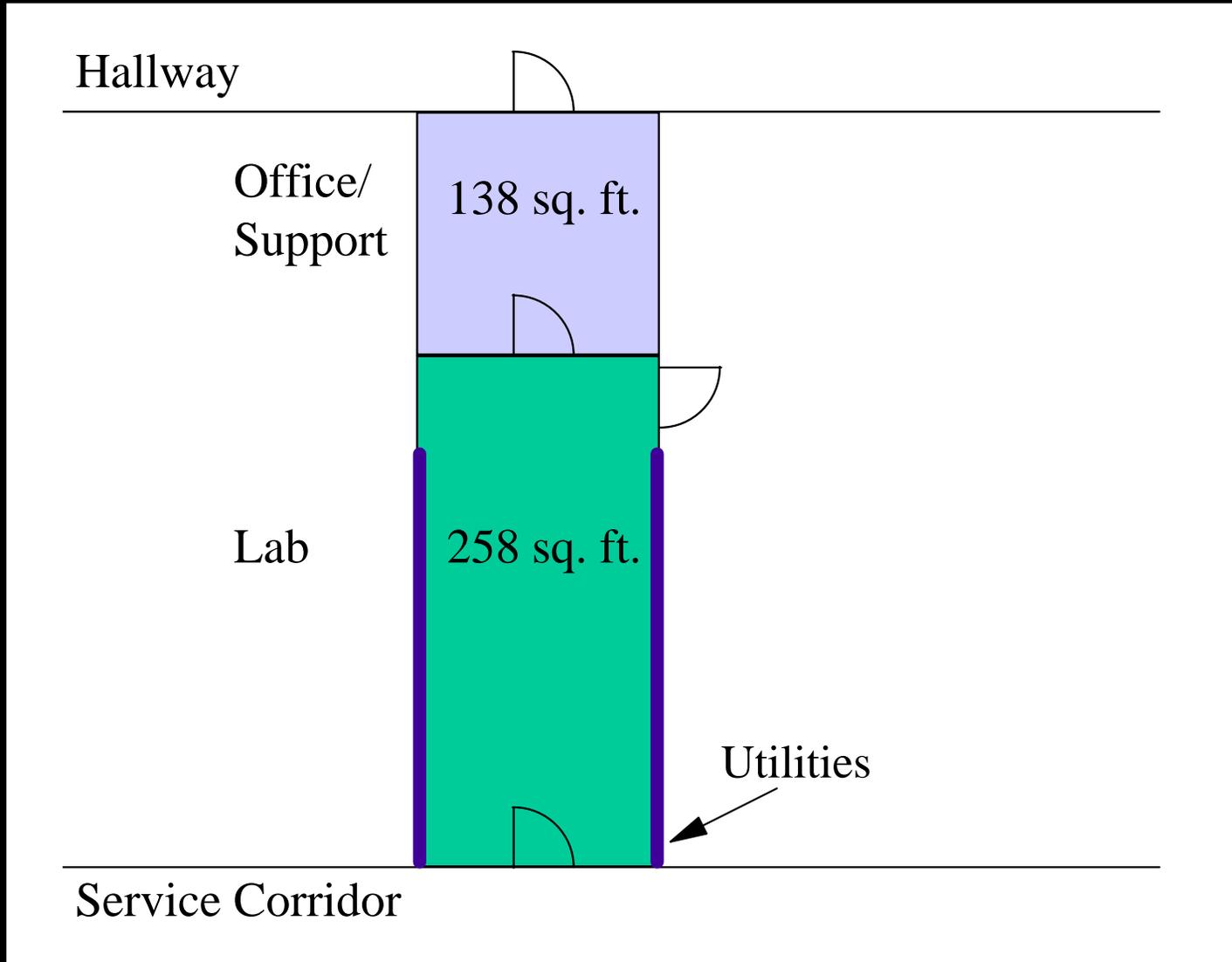
Window



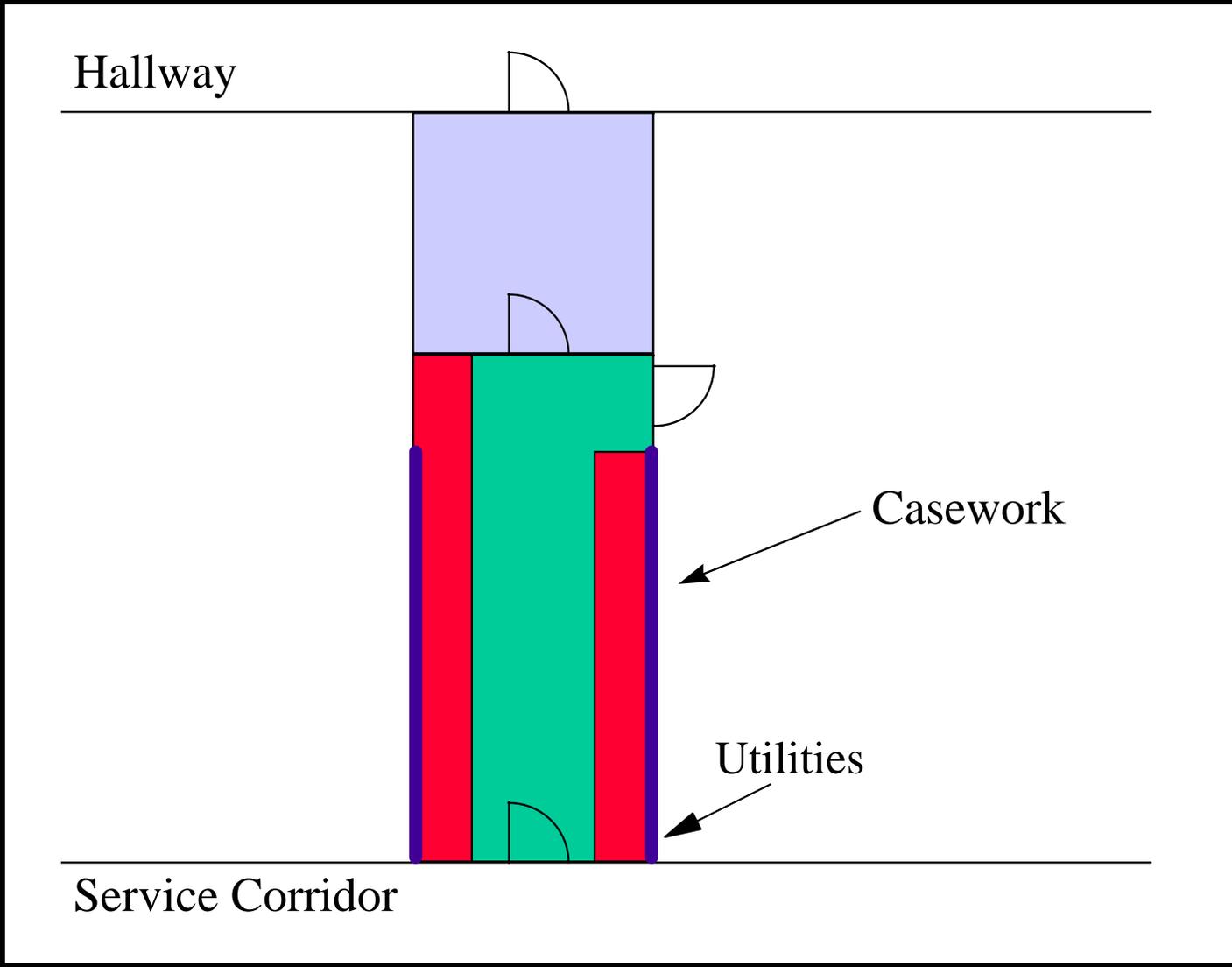
Hallway



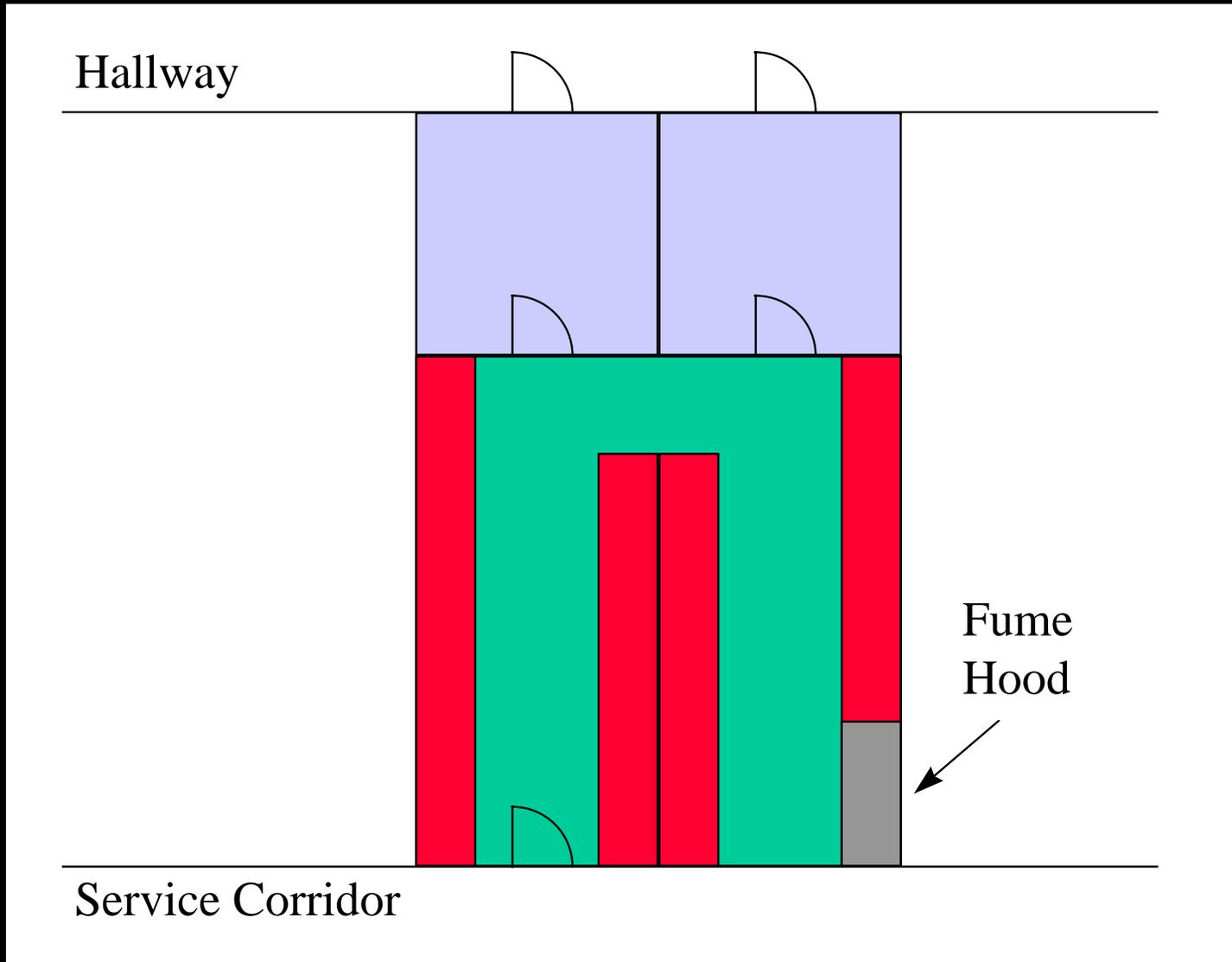
Lab Building Blocks



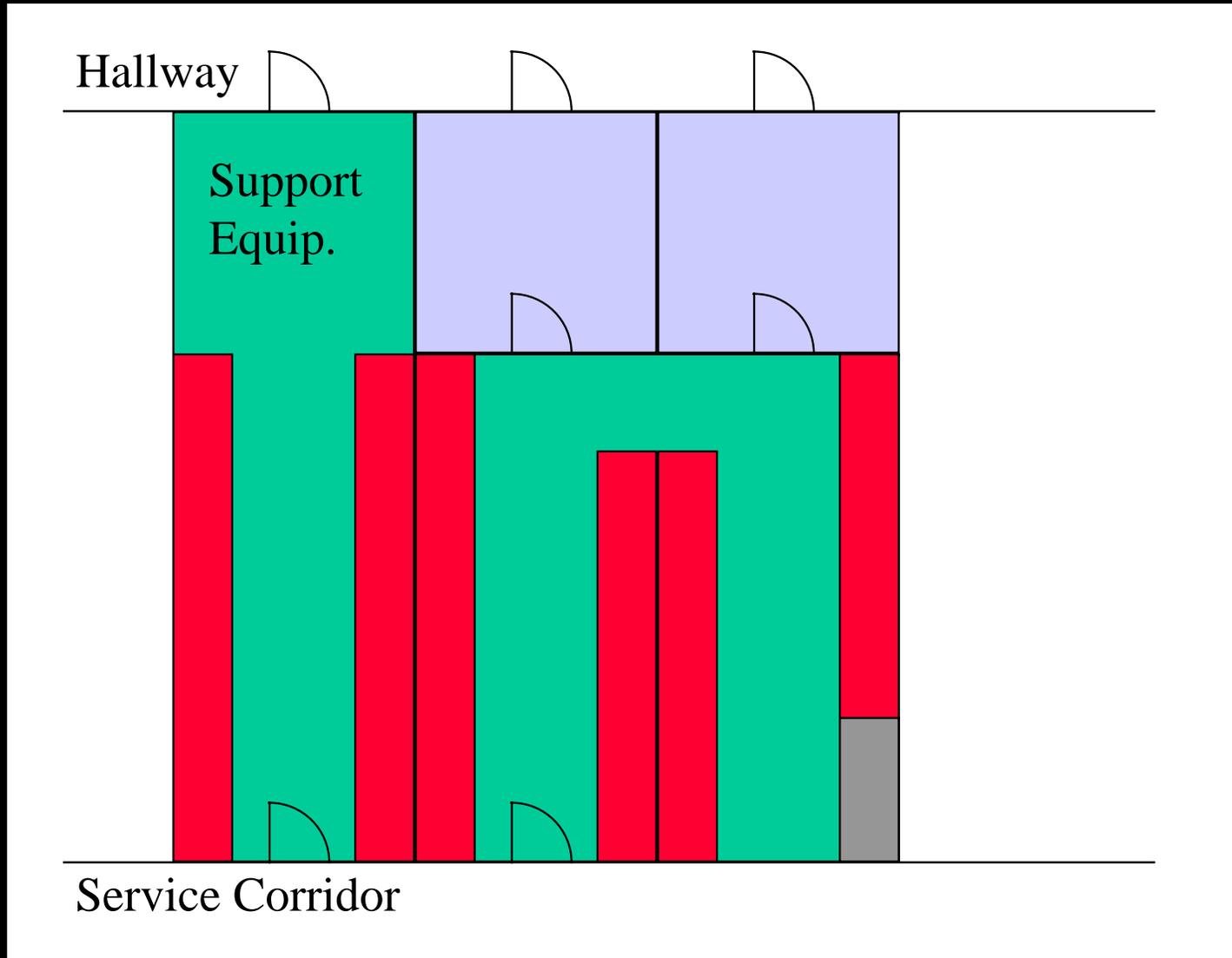
Lab Building Blocks



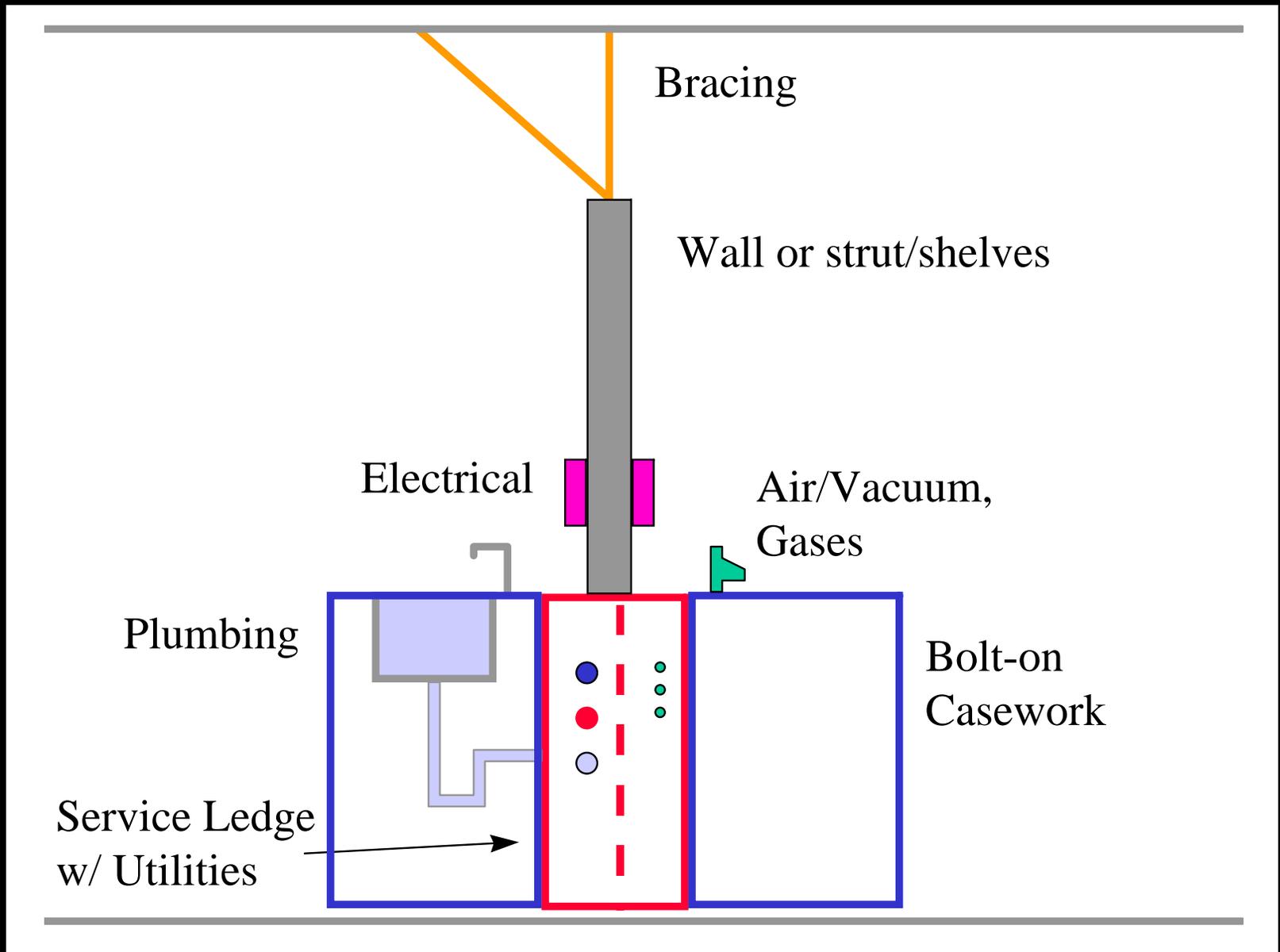
Lab Building Blocks



Lab Building Blocks



Modular Lab Services





Site

Minimized clearing
Narrowed roads
Parking decks
Cut out curb/gutter
Biofiltration
More wetlands
Wildflowers
Native plants
Plant rescue





Utility Plant

High-efficiency equipment
Variable speed drives
Digital controls
Water saving cooling towers
No CFCs
Shared chillers/boilers/tanks
Reduced footprint
Re-used wall panels



Energy & Water



40% more efficient than typical lab

Green lights with daylighting

High performance glass and roof

Building automation system

VAV and economizers

Commissioning

Solar roof

Water-conserving fixtures







Indoor Environment

Daylight
Fresh air
Acoustics
Sanitation
Privacy
Interactivity
Aesthetics



Building Materials

Recycled content throughout
Sustainable wood
Restricted chemical contents
IAQ testing of major materials
Recyclable carpet
Flexible space
Longevity



Enough recycled steel
to build an Eiffel Tower
plus 1,000 cars

Waste Recycling

80%



Furnishings

IAQ testing

**Corporate
responsibility**

Factory visits

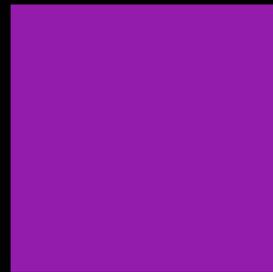
**Recycling of
packing material**





What

Now?

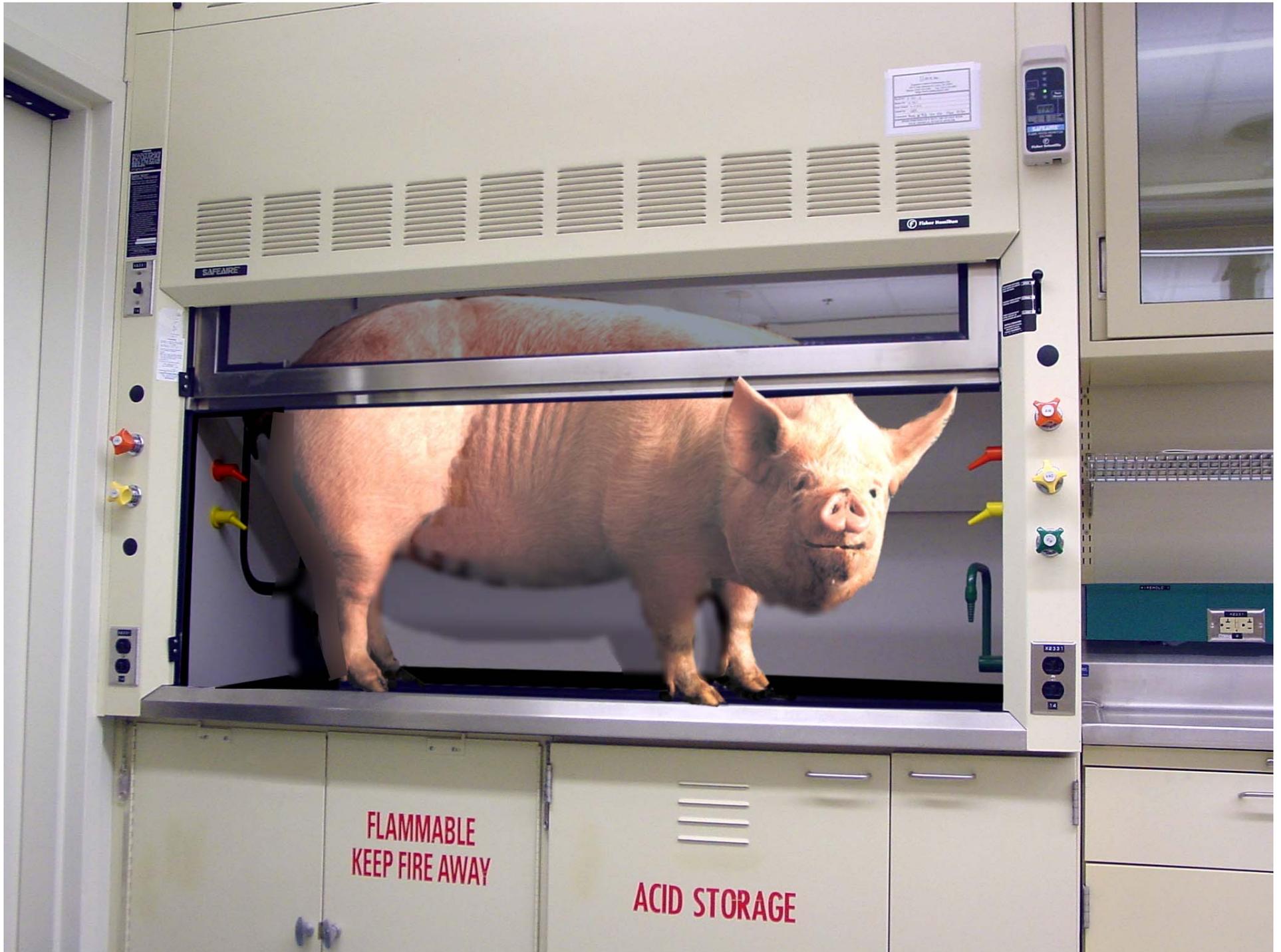


Operations



Education





Keep It Up

EMS

Green Power

Energy Studies

Recommissioning

Energy/Water

Pilots



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