



# OAK BLUFFS TOWN HALL

**Town Meeting**

June 16, 2020



OAK BLUFFS TOWN HALL

# Why Renovate?

**Cost Effective**  
**Sustainable**



# Sustainable

## + 70%

### Existing Building Retained





**HEAVY TIMBER  
BEAMS &  
STRUCTURAL  
PLANKS**



**OAK BLUFFS TOWN HALL**

Opportunities to be Greener + Healthier

## **PASSIVE STRATEGIES**

Solar Orientation

Daylight Harvesting

Self-shading Facades

Compact Footprint

Passive House Envelope



SUMMER SUN PATH

WINTER SUN PATH

N

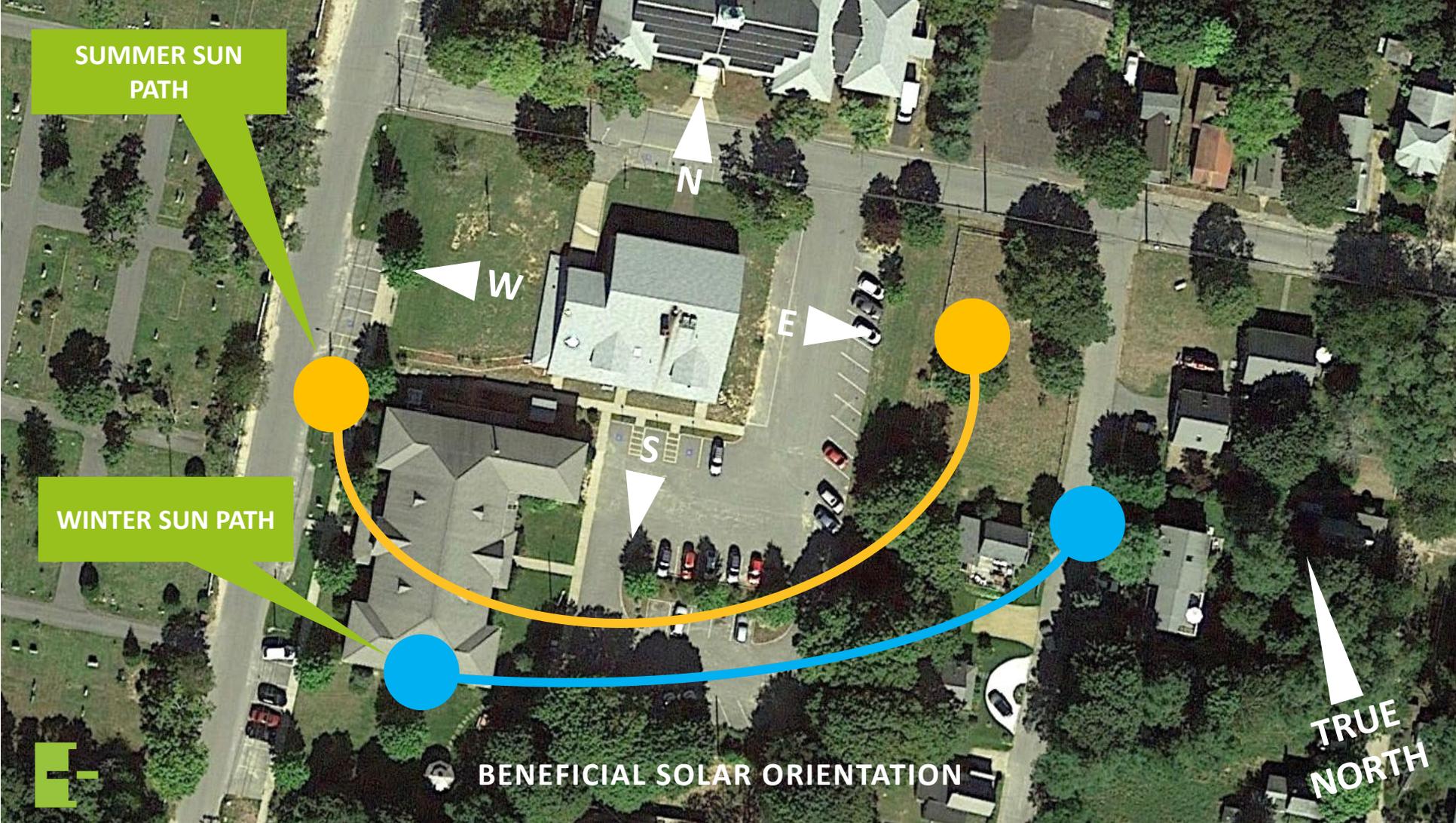
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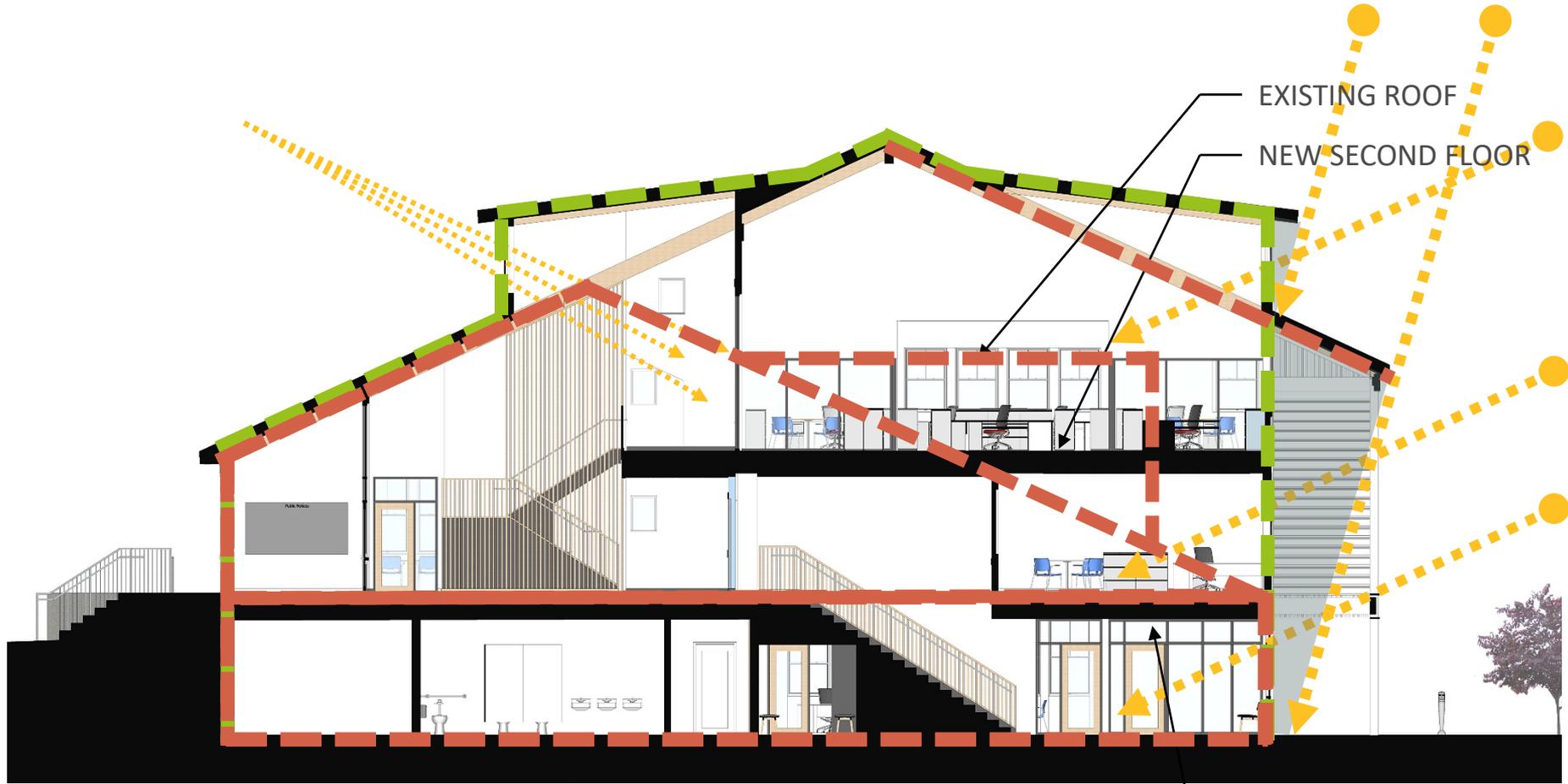
E

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TRUE NORTH

BENEFICIAL SOLAR ORIENTATION





EXISTING ROOF

NEW SECOND FLOOR

EXISTING GROUND FLOOR

BUILDING SECTION

EXISTING FIRST FLOOR



**EXCESSIVE  
HEAT LOSS**



**EXISTING TOWN HALL THERMAL IMAGE**



## Opportunities to be Greener + Healthier

### **ACTIVE STRATEGIES**

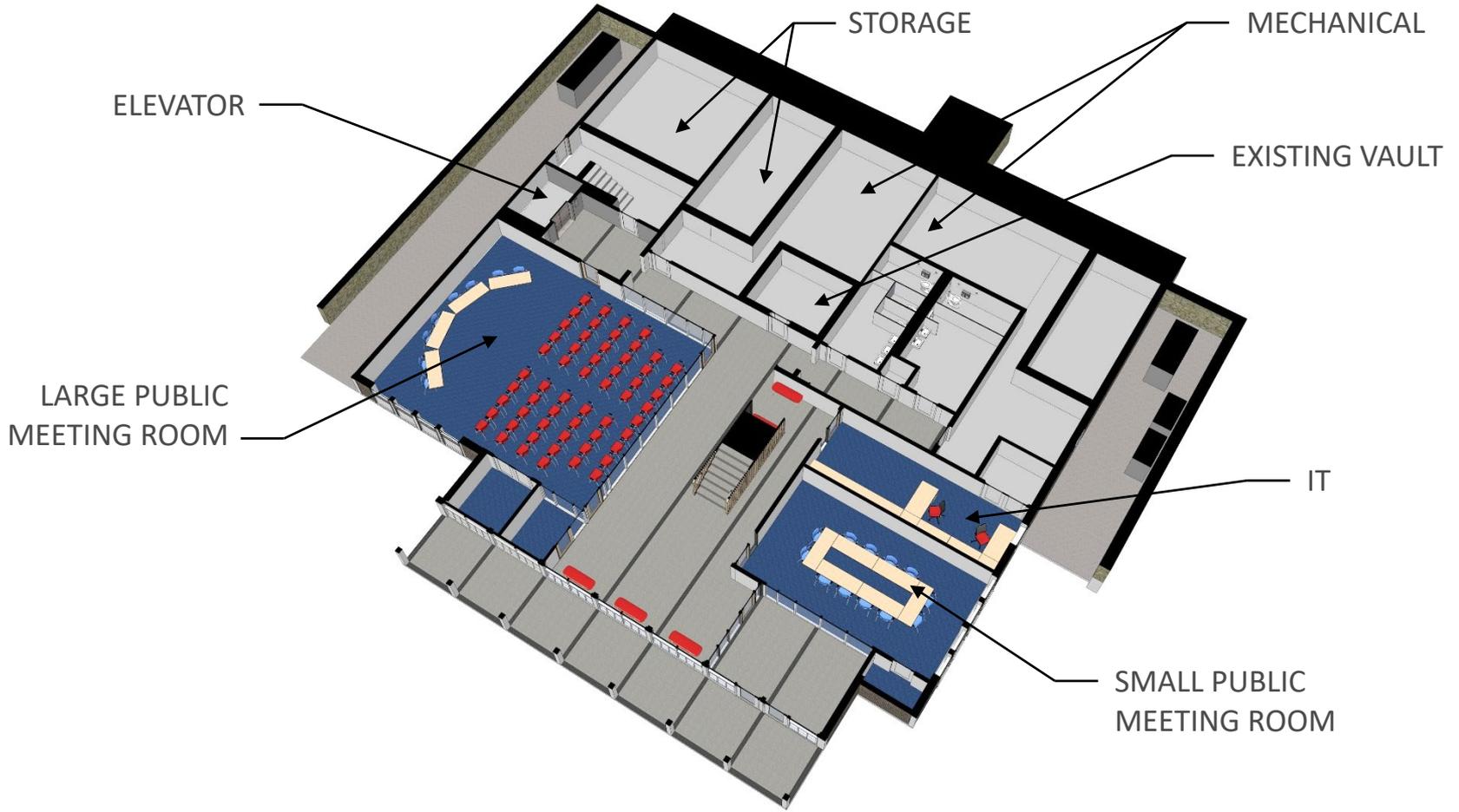
No Fossil Fuel / All Electric Mechanical System

Lower Operational Costs

Continuous Ventilation

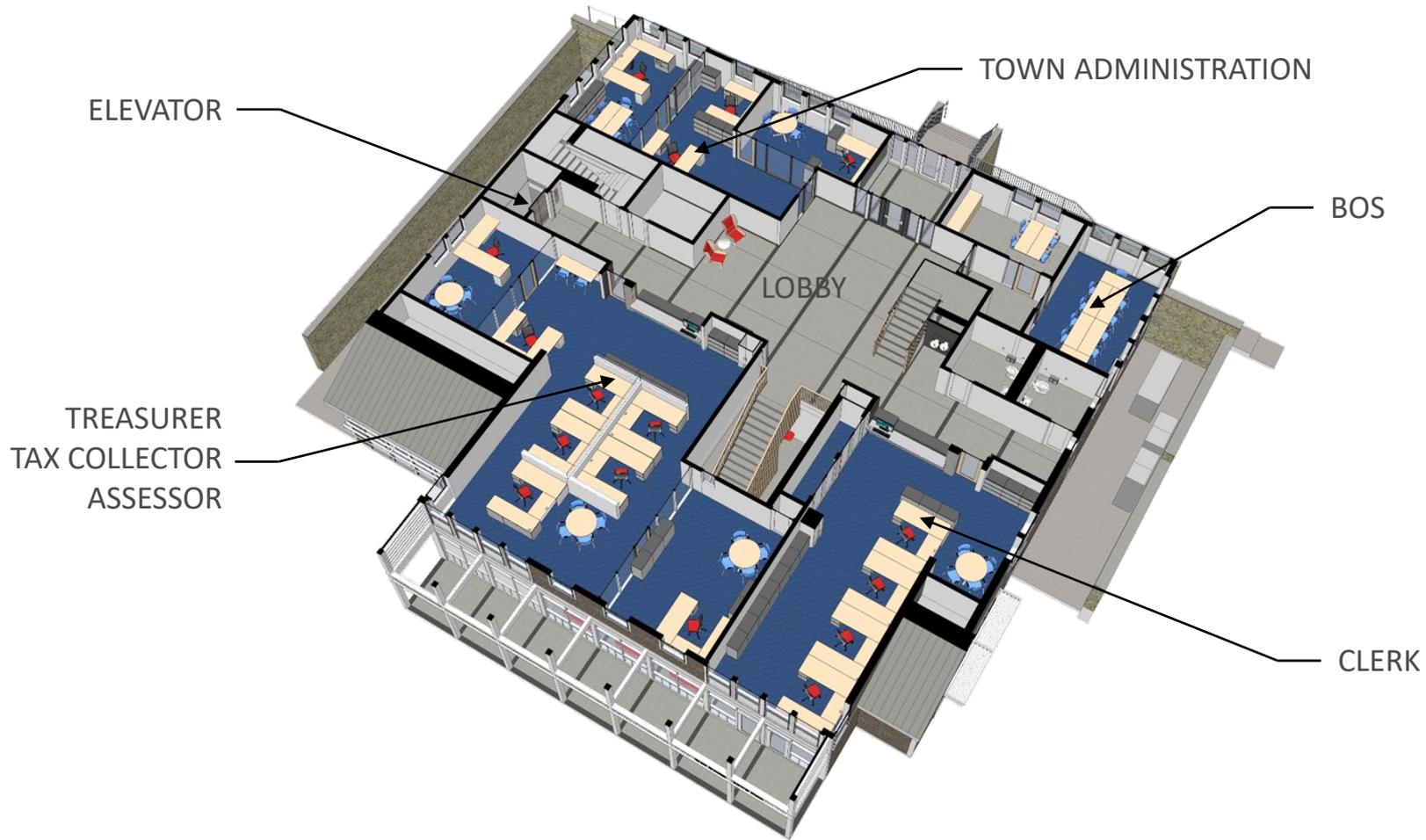
Photovoltaic Panel Ready





GROUND FLOOR PLAN





FIRST FLOOR PLAN

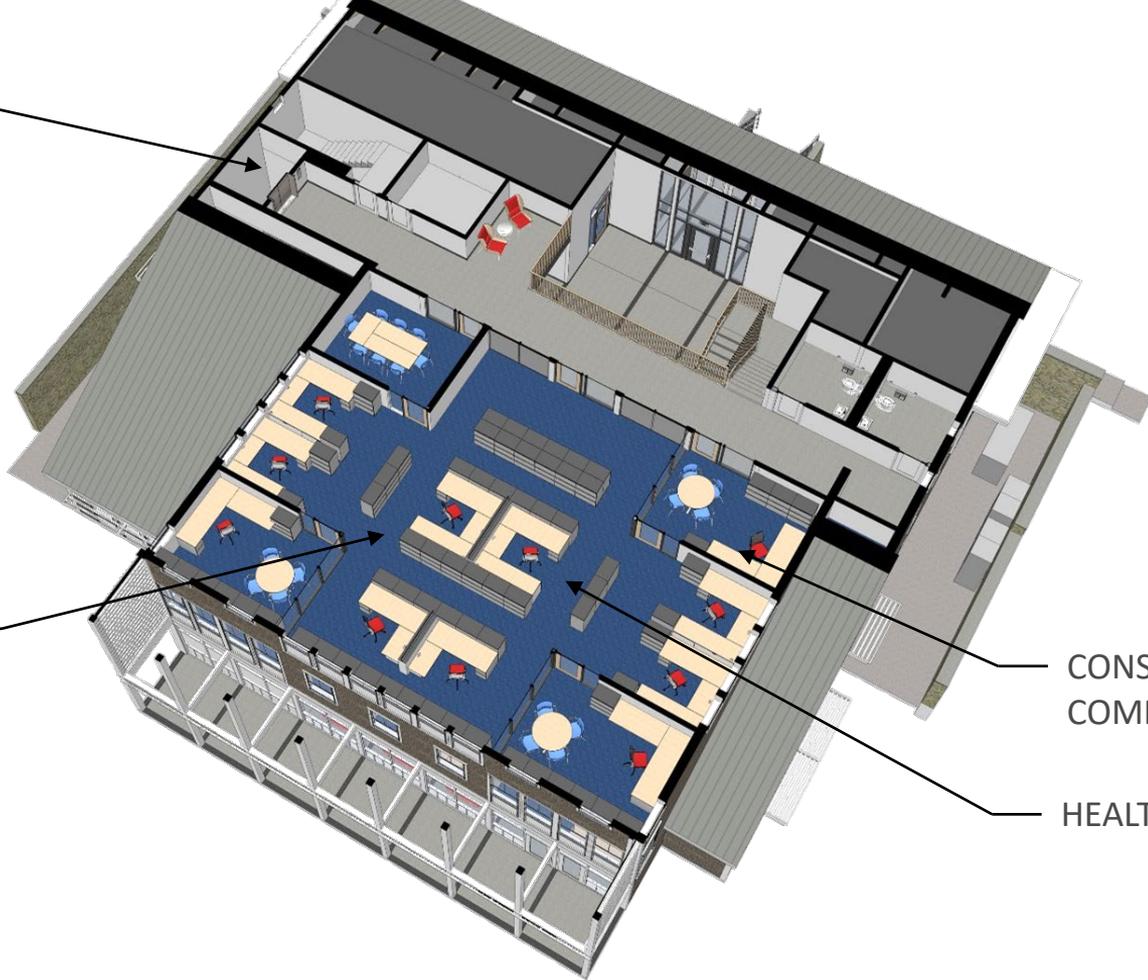


ELEVATOR

BUILDING  
DEPARTMENT

CONSERVATION  
COMMISSION

HEALTH DEPARTMENT



SECOND FLOOR PLAN

