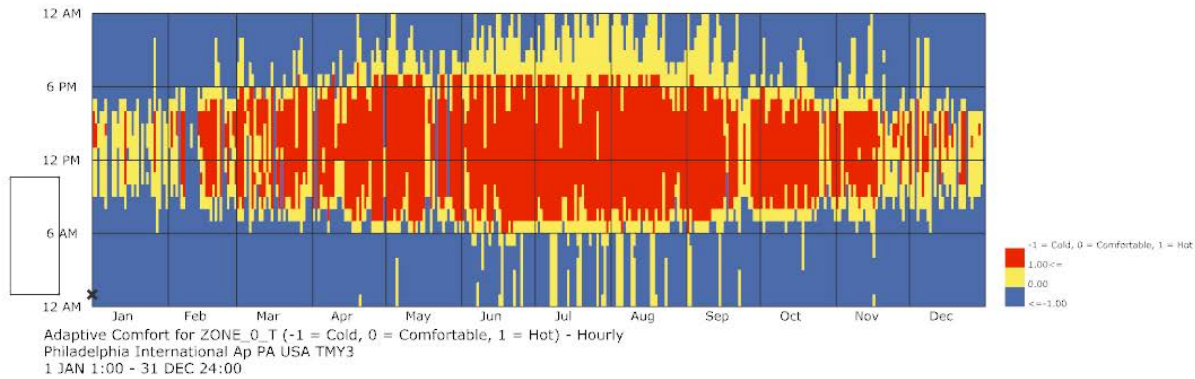
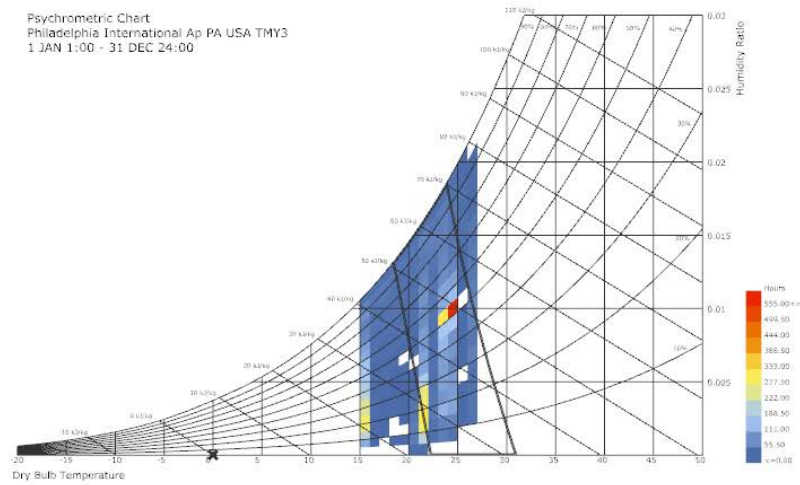


# Energy Simulation

Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



## Wall to Window Ratio

WWR

WWR - North

WWR - West

WWR - South

WWR - East

## Rotation Angle

\_angle

## Blinds

Add blinds? ☐

shading depth?

number of blinds

## Construction

Exterior Wall [R5.5]

Exterior Window [R1.0, SHGC 0.7]

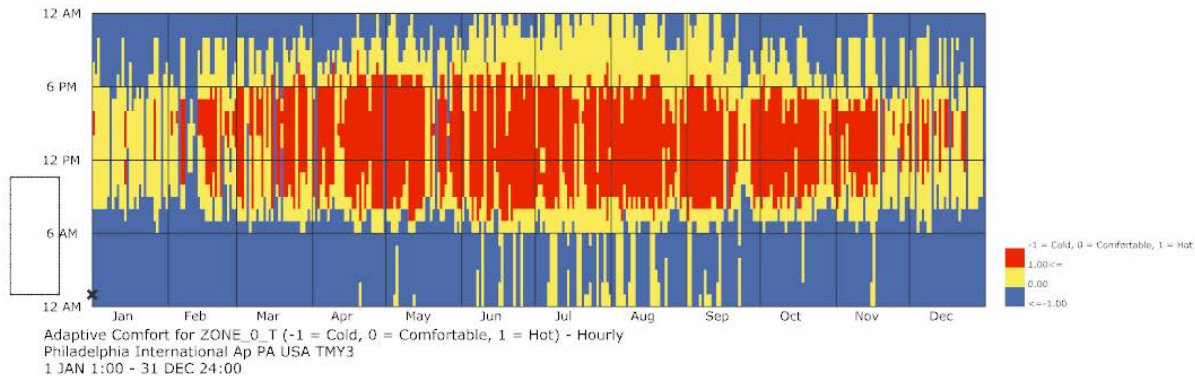
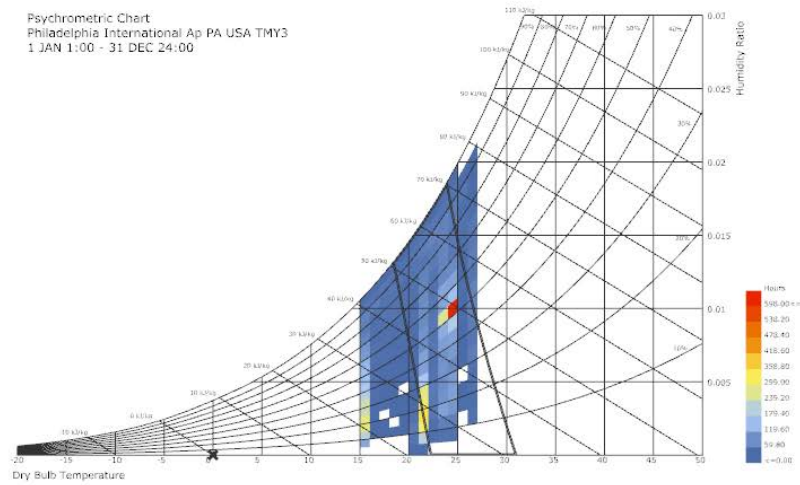
Exterior Roof [R9.2]

\_airChangeHour

## Thermal Mass

Existing Slab Construction

Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



## Wall to Window Ratio

WWR

WWR - North

WWR - West

WWR - South

WWR - East

## Rotation Angle

angle

## Blinds

Add blinds? ☐

shading depth?

number of blinds

## Construction

Exterior Wall [R5.5]

Exterior Window [R1.0, SHGC 0.7]

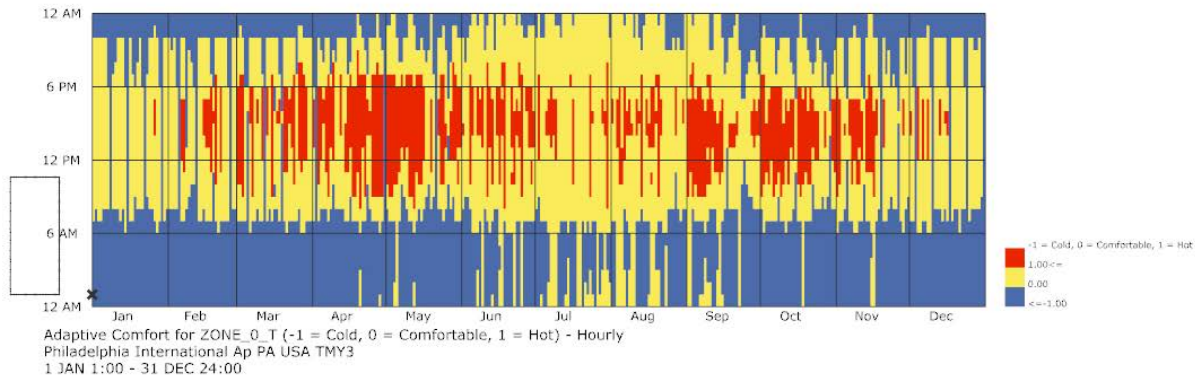
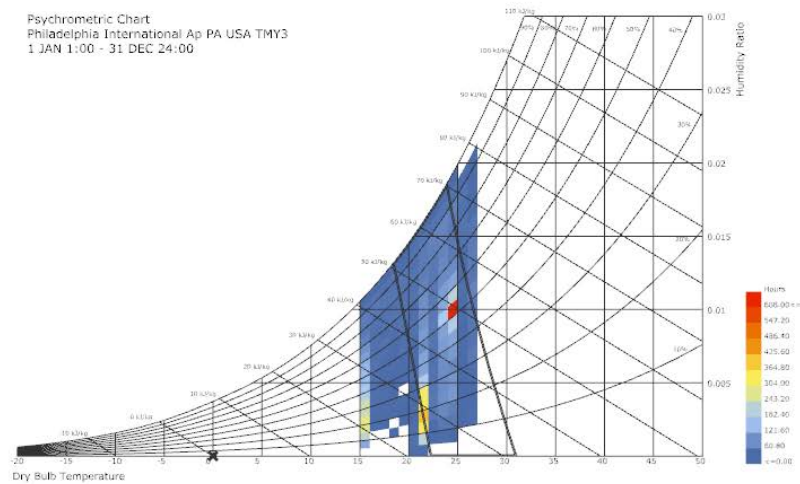
Exterior Roof [R9.2]

airChangeHour

## Thermal Mass

Existing Slab Construction

Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



Comfortable (%): 45.27  
hot (%): 13.88  
cold (%): 40.84

### Wall to Window Ratio

WWR

WWR - North: 0.1

WWR - West: 0.1

WWR - South: 0.1

WWR - East: 0.1

### Rotation Angle

angle: 0

### Blinds

Add blinds?: False

shading depth?: 0.5

number of blinds: 3

### Construction

Exterior Wall [R5.5]

Exterior Window [R1.0, SHGC 0.7]

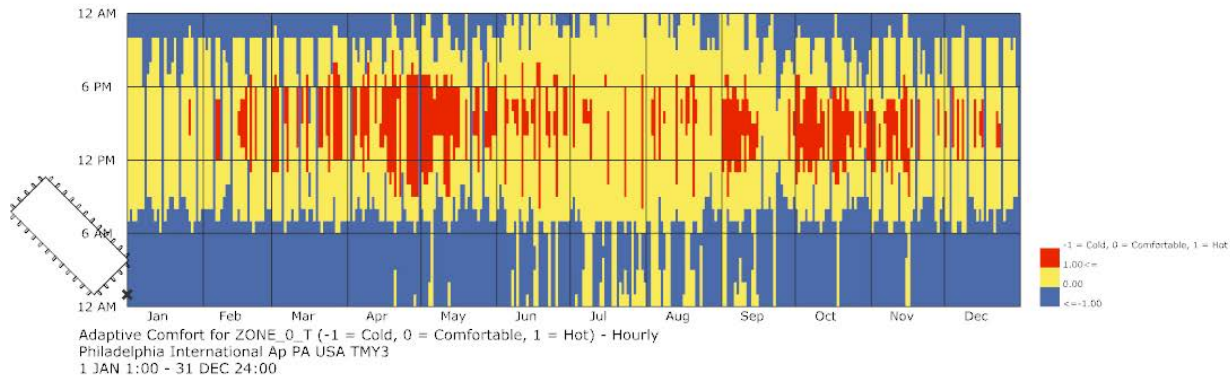
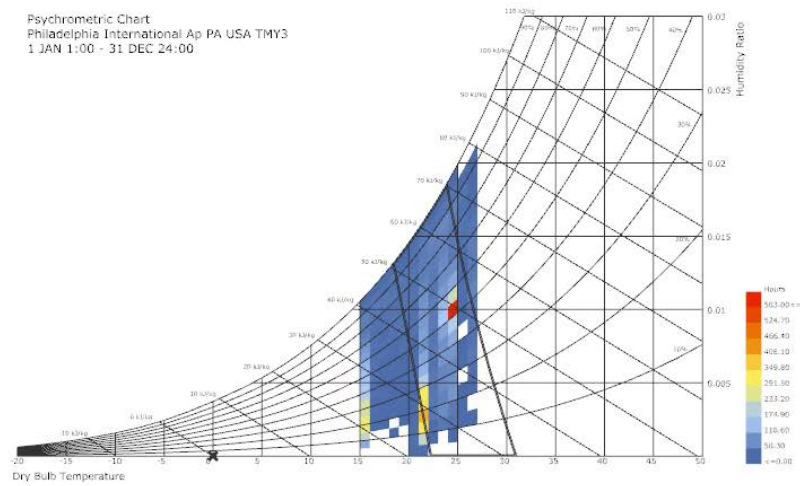
Exterior Roof [R9.2]

\_airChangeHour: 2.00

### Thermal Mass

Existing Slab Construction

Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



Comfortable (%): 47.66  
hot (%): 10.78  
cold (%): 41.56

### Wall to Window Ratio

WWR

WWR - North: 0.1

WWR - West: 0.1

WWR - South: 0.1

WWR - East: 0.1

### Rotation Angle

angle: 45

### Blinds

Add blinds?: True

shading depth?: 0.5

number of blinds: 3

### Construction

Exterior Wall [R5.5]

Exterior Window [R1.0, SHGC 0.7]

Exterior Roof [R9.2]

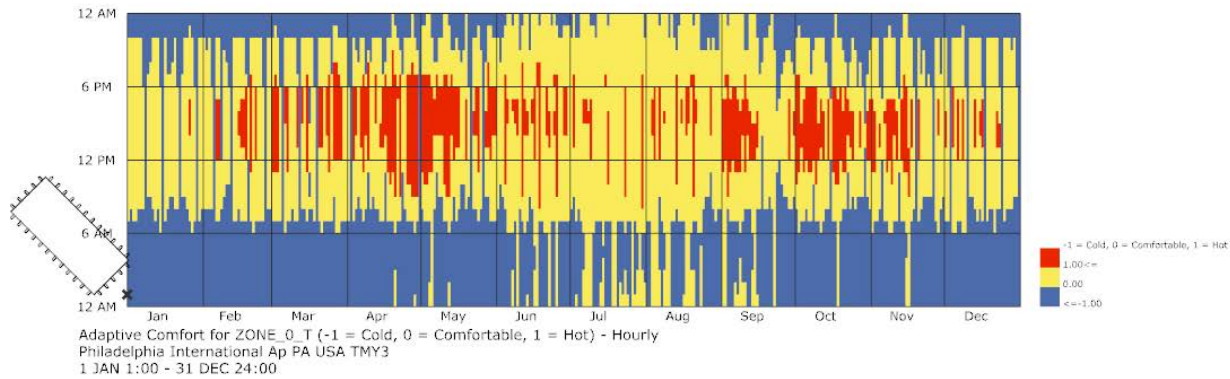
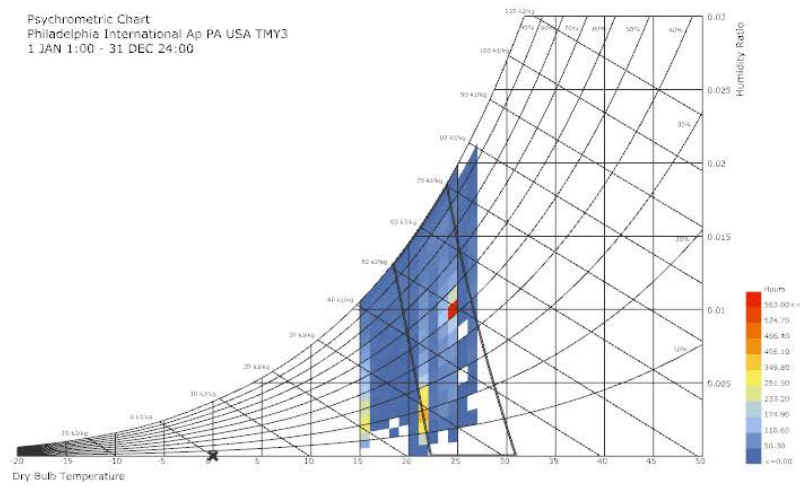
airChangeHour: 2.00

### Thermal Mass

Existing Slab Construction



Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



### Wall to Window Ratio

WWR

WWR - North: 0.1

WWR - West: 0.1

WWR - South: 0.1

WWR - East: 0.1

### Rotation Angle

angle: 45

### Blinds

Add blinds?: True

shading depth?: 0.5

number of blinds: 3

### Construction

Exterior Wall [R5.5]

Exterior Window [R1.0, SHGC 0.7]

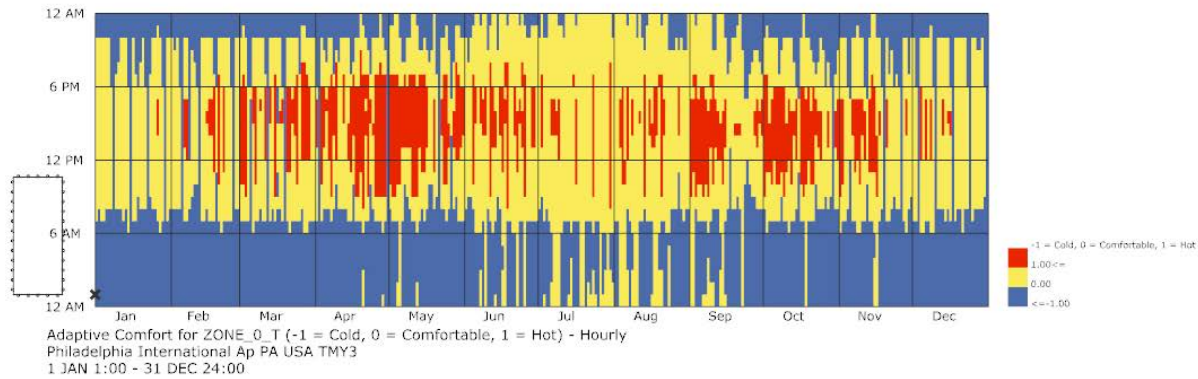
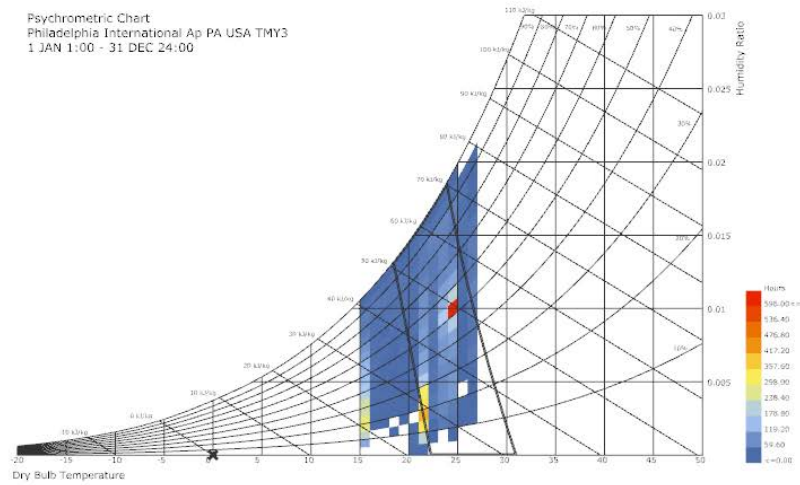
Exterior Roof [R9.2]

airChangeHour: 2.00

### Thermal Mass

Existing Slab Construction

Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



Comfortable (%): 46.43  
hot (%): 12.51  
cold (%): 41.06

## Wall to Window Ratio

WWR

WWR - North

WWR - West

WWR - South

WWR - East

## Rotation Angle

\_angle

## Blinds

Add blinds? ☒

shading depth?

number of blinds

## Construction

Exterior Wall [R5.5] ▼

Exterior Window [R1.0, SHGC 0.7] ▼

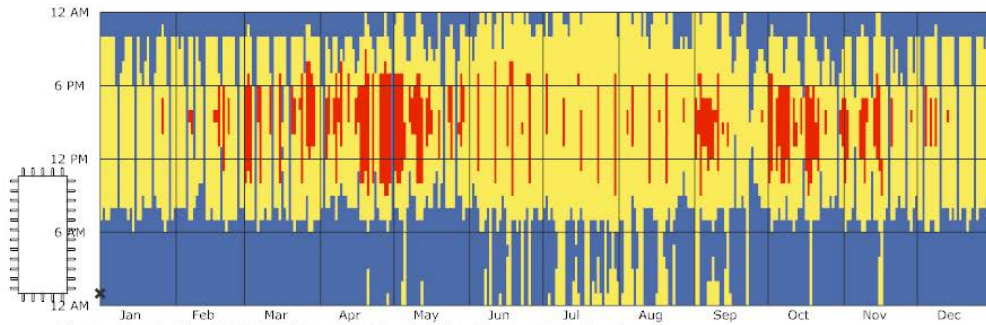
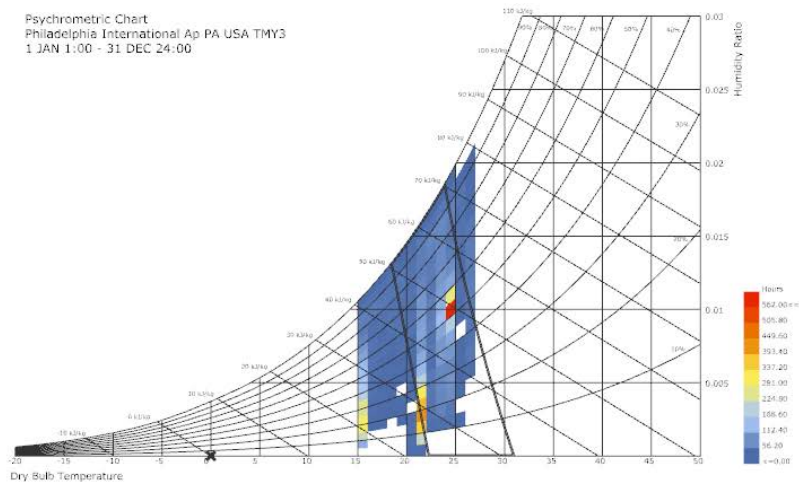
Exterior Roof [R9.2] ▼

\_airChangeHour

## Thermal Mass

Existing Slab Construction ▼

Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



Comfortable (%): 50.25  
hot (%): 7.95  
cold (%): 41.8

Adaptive Comfort for ZONE\_0\_T (-1 = Cold, 0 = Comfortable, 1 = Hot) - Hourly  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00

## Wall to Window Ratio

WWR

WWR - North 0.1

WWR - West 0.1

WWR - South 0.1

WWR - East 0.1

## Rotation Angle

angle 0

## Blinds

Add blinds? True

shading depth? 0.8

number of blinds 6

## Construction

Exterior Wall [R5.5]

Exterior Window [R1.0, SHGC 0.7]

Exterior Roof [R9.2]

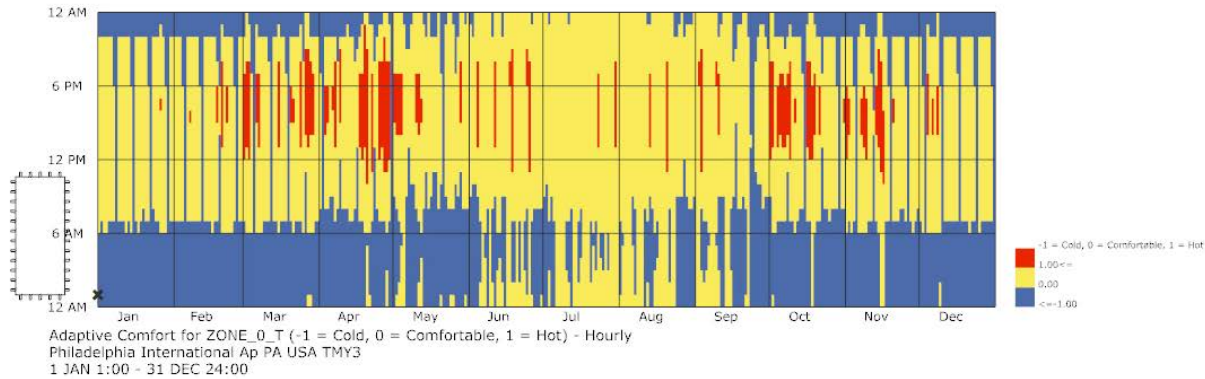
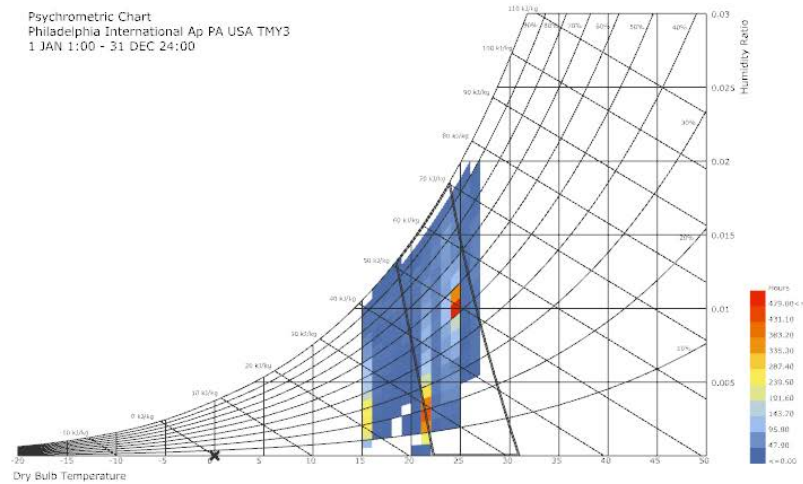
airChangeHour 2.00

## Thermal Mass

Existing Slab Construction



Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



Comfortable (%): 58.17  
hot (%): 5.31  
cold (%): 36.52

## Wall to Window Ratio

WWR

WWR - North

WWR - West

WWR - South

WWR - East

## Rotation Angle

angle

## Blinds

Add blinds? ☒

shading depth?

number of blinds

## Construction

Exterior Wall [R10.4]

Exterior Window [R1.9, SHGC 0.39]

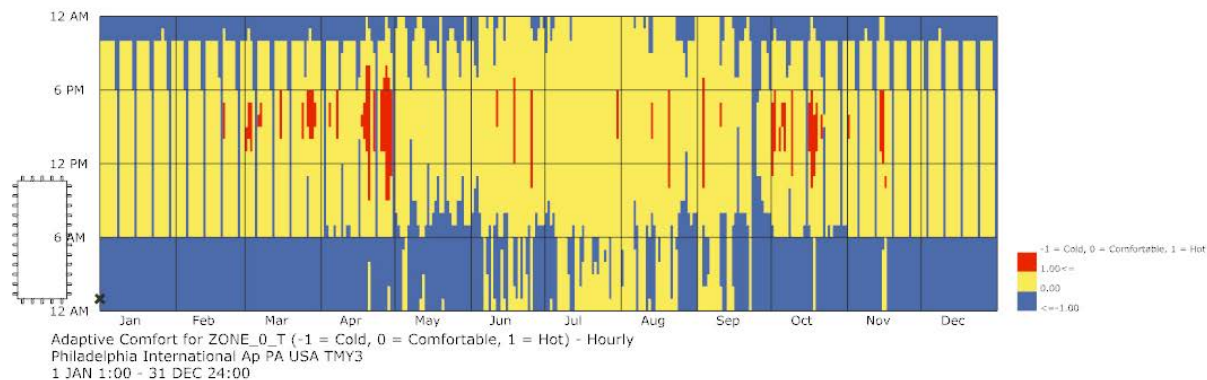
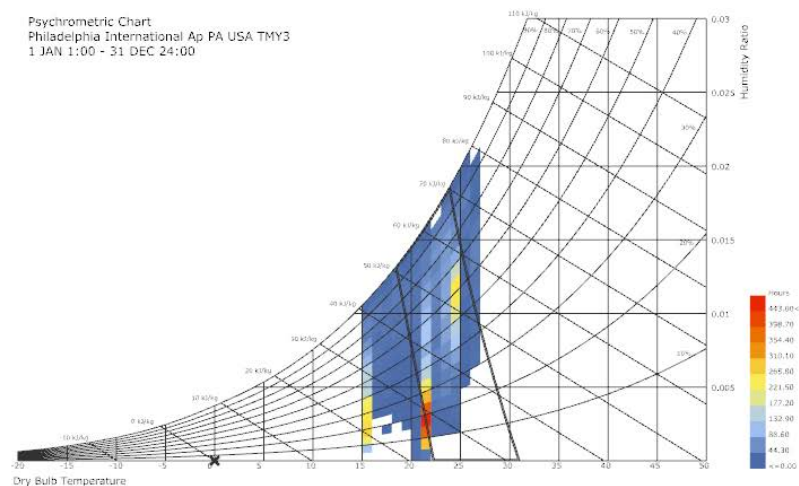
Exterior Roof [R14.8]

airChangeHour

## Thermal Mass

Existing Slab Construction

Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



Comfortable (%): 61.24  
hot (%): 2.44  
cold (%): 36.31

### Wall to Window Ratio

WWR

WWR - North: 0.1

WWR - West: 0.1

WWR - South: 0.1

WWR - East: 0.1

### Rotation Angle

angle: 45

### Blinds

Add blinds?: True

shading depth?: 0.5

number of blinds: 3

### Construction

Exterior Wall [R5.5]

Exterior Window [R1.0, SHGC 0.7]

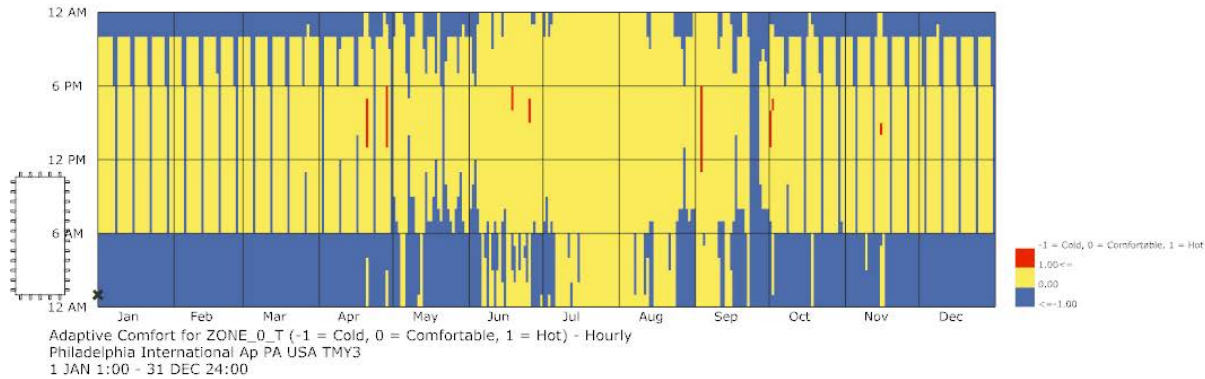
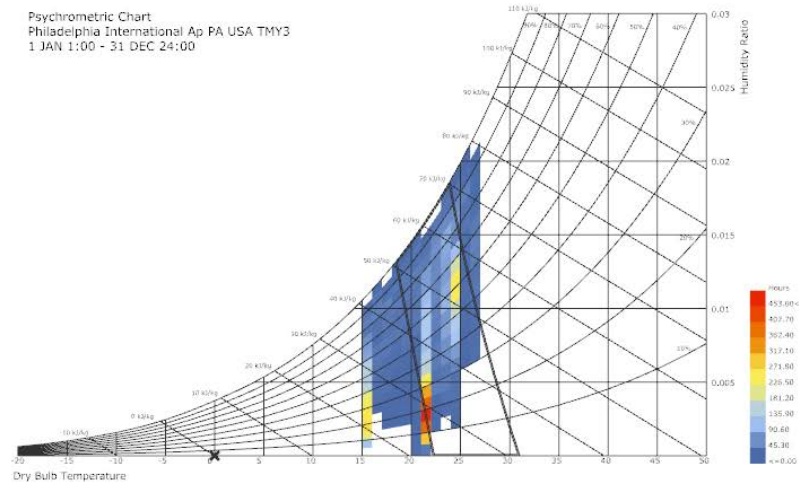
Exterior Roof [R9.2]

airChangeHour: 2.00

### Thermal Mass

Existing Slab Construction

Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



## Wall to Window Ratio

WWR

WWR - North: 0.1

WWR - West: 0.1

WWR - South: 0.1

WWR - East: 0.1

## Rotation Angle

\_angle: 0

## Blinds

Add blinds?: True

shading depth?: 0.5

number of blinds: 3

## Construction

Exterior Wall [R34.4]

Exterior Window [R0.7, SHGC 0.65]

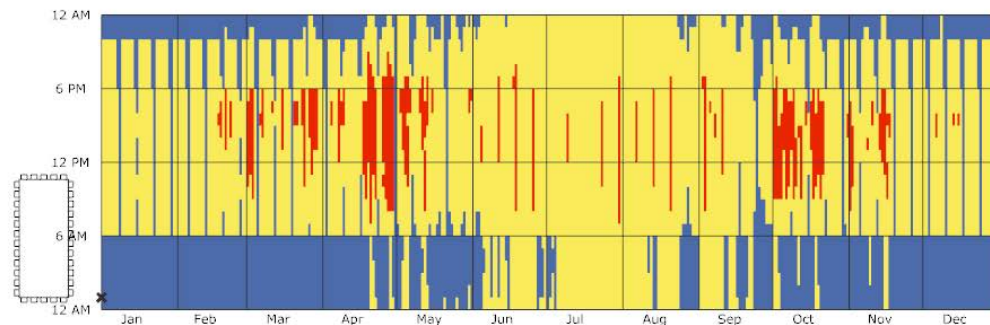
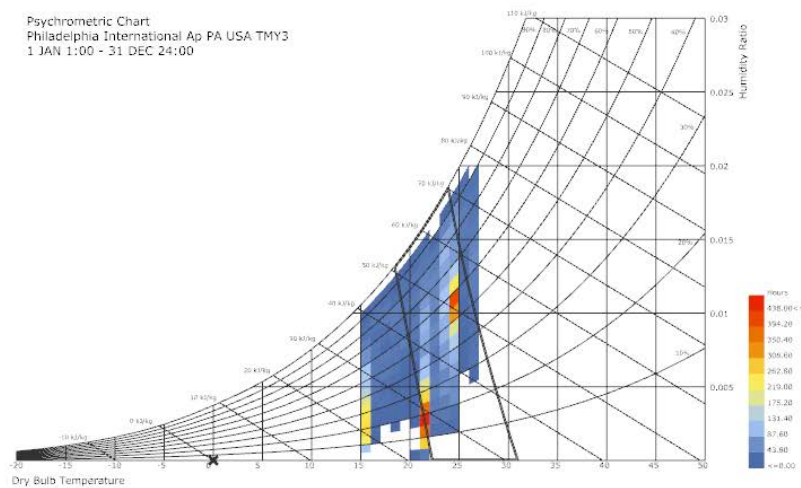
Exterior Roof [R34.4]

\_airChangeHour: 0.01

## Thermal Mass

+8 Inches Concrete

Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



Comfortable (%): 64.09  
hot (%): 5.91  
cold (%): 30.0

Adaptive Comfort for ZONE\_0\_T (-1 = Cold, 0 = Comfortable, 1 = Hot) - Hourly  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00

## Wall to Window Ratio

WWR

WWR - North

WWR - West

WWR - South

WWR - East

## Rotation Angle

angle

## Blinds

Add blinds? ☒

shading depth?

number of blinds

## Construction

Exterior Wall [R34.4]

Exterior Window [R0.7, SHGC 0.65]

Exterior Roof [R34.4]

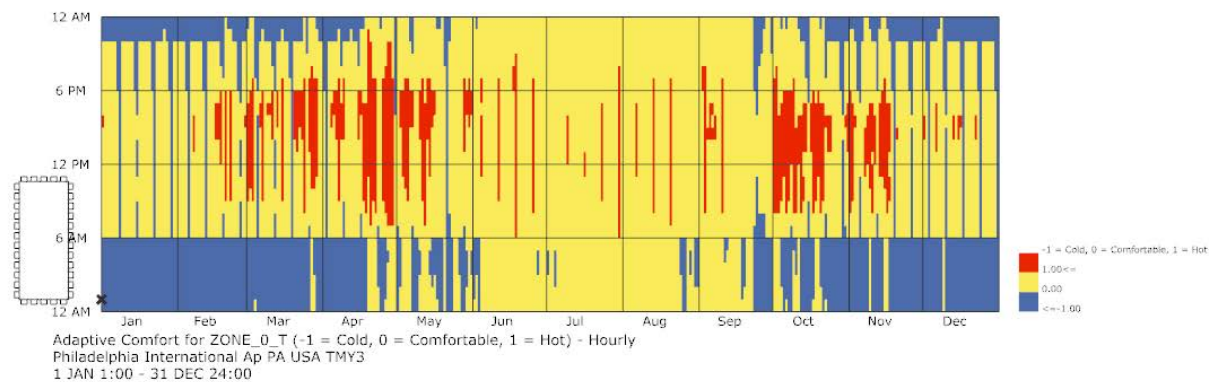
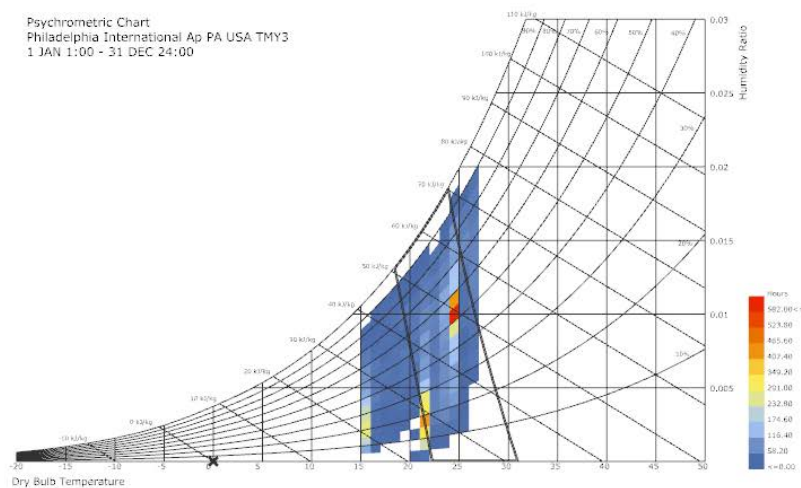
\_airChangeHour

## Thermal Mass

+8 Inches Concrete



Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



Comfortable (%): 66.18  
hot (%): 9.18  
cold (%): 24.65

## Wall to Window Ratio

WWR

WWR - North

WWR - West

WWR - South

WWR - East

## Rotation Angle

angle

## Blinds

Add blinds? ☒

shading depth?

number of blinds

## Construction

Exterior Wall [R34.4]

Exterior Window [R0.7, SHGC 0.65]

Exterior Roof [R34.4]

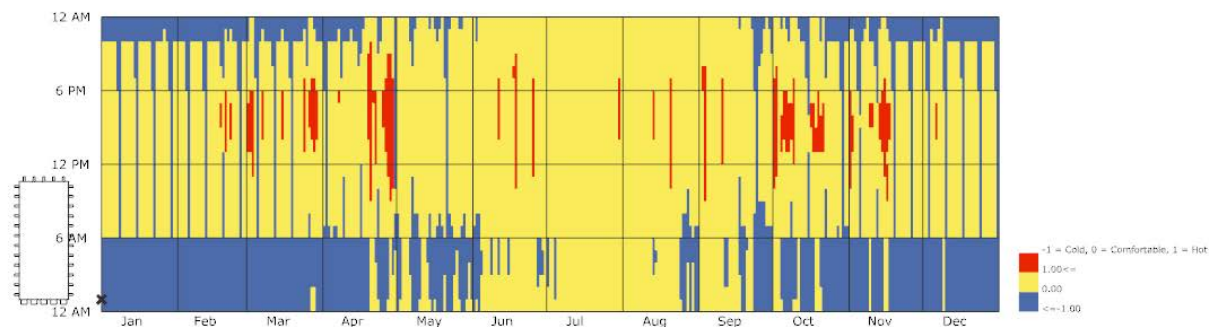
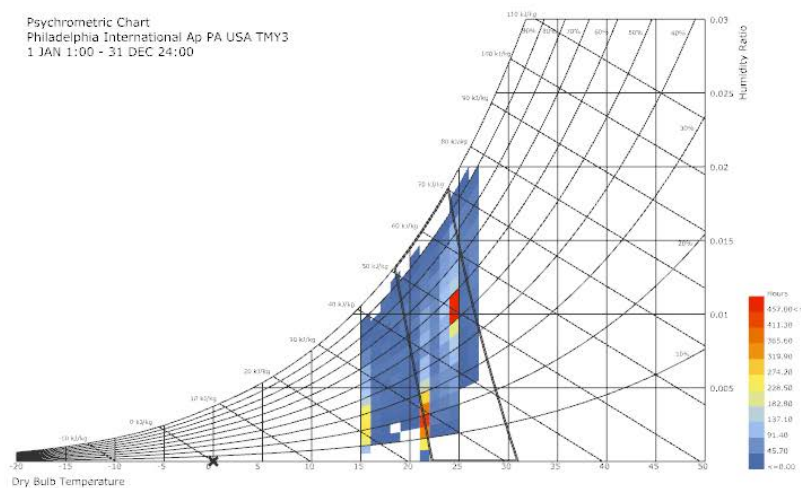
\_airChangeHour

## Thermal Mass

+8 Inches Concrete



Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



Comfortable (%): 68.87  
hot (%): 3.39  
cold (%): 27.74

Adaptive Comfort for ZONE\_0\_T (-1 = Cold, 0 = Comfortable, 1 = Hot) - Hourly  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00

## Wall to Window Ratio

WWR

WWR - North

WWR - West

WWR - South

WWR - East

## Rotation Angle

angle

## Blinds

Add blinds? ☒

shading depth?

number of blinds

## Construction

Exterior Wall [R14.8] ▼

Exterior Window [R0.7, SHGC 0.65] ▼

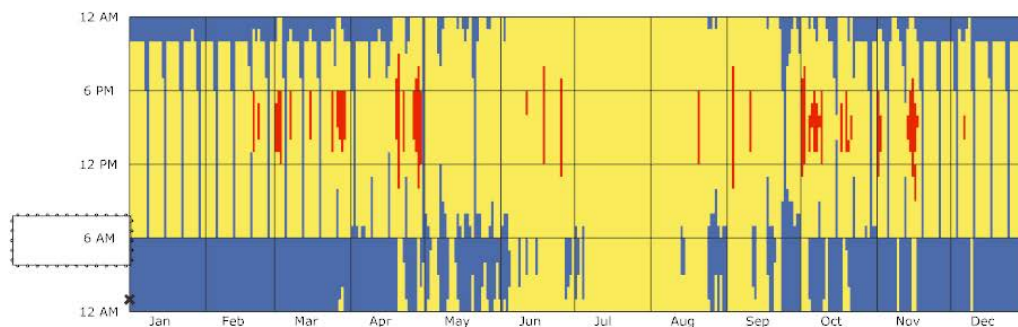
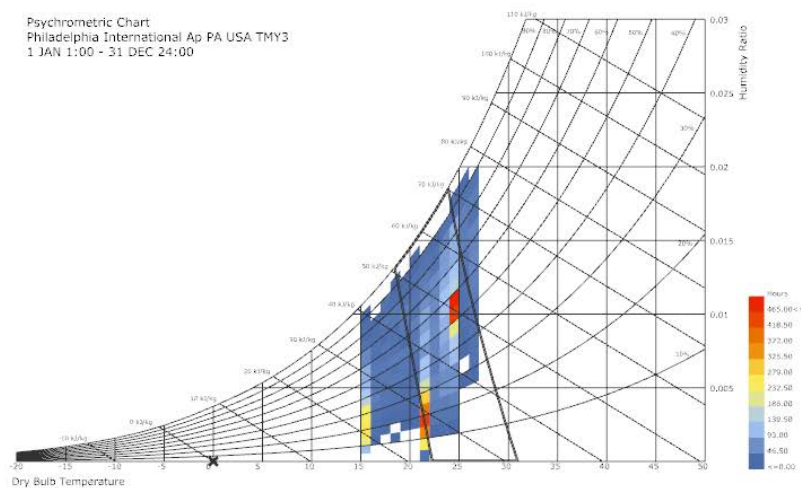
Exterior Roof [R34.4] ▼

airChangeHour

## Thermal Mass

+8 Inches Concrete ▼

Psychrometric Chart  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00



Comfortable (%): 69.04  
hot (%): 2.63  
cold (%): 28.42

Adaptive Comfort for ZONE\_0\_T (-1 = Cold, 0 = Comfortable, 1 = Hot) - Hourly  
Philadelphia International Ap PA USA TMY3  
1 JAN 1:00 - 31 DEC 24:00

## Wall to Window Ratio

WWR

WWR - North 0.1

WWR - West 0.1

WWR - South 0.1

WWR - East 0.1

## Rotation Angle

\_angle 90

## Blinds

Add blinds? True

shading depth? 0.2

number of blinds 3

## Construction

Exterior Wall [R14.8]

Exterior Window [R0.7, SHGC 0.65]

Exterior Roof [R34.4]

\_airChangeHour 0.27

## Thermal Mass

+8 Inches Concrete