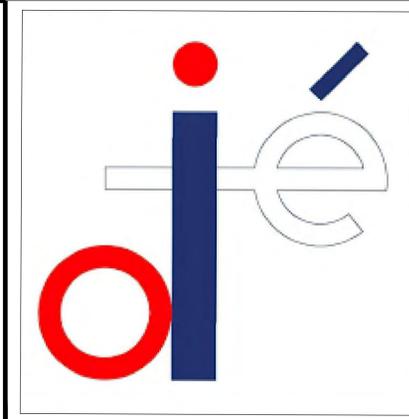


AUTUMN/FALL EQUINOX (23 SEP 2026)



TIME OF DAY : 6:00 AM (FRONT VIEW)

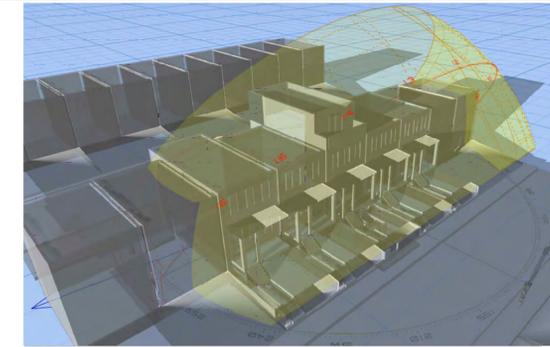
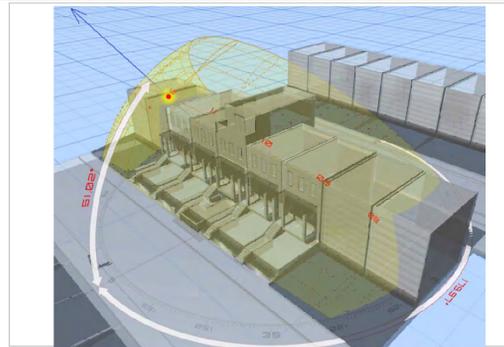
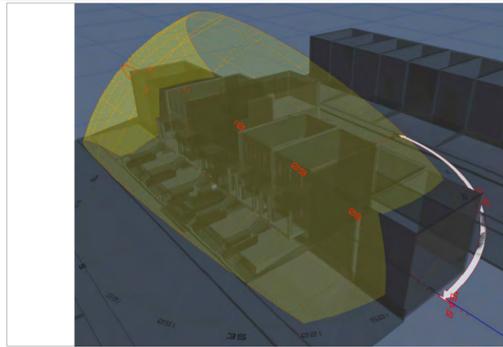
TIME OF DAY : 12:00 PM (FRONT VIEW)

TIME OF DAY : 17:00 PM (FRONT VIEW)

Solar Study Axonometric View

Solar Study Axonometric View

Solar Study Axonometric View



Shadow Profile Analysis

Shadow Profile Analysis

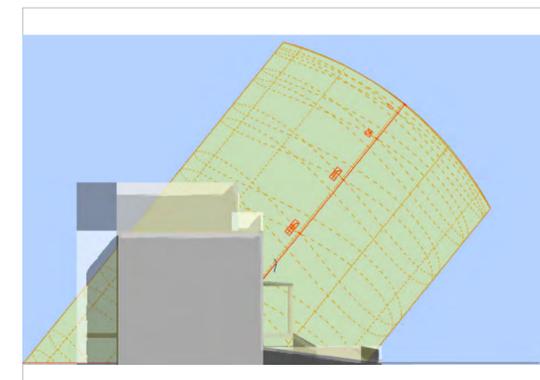
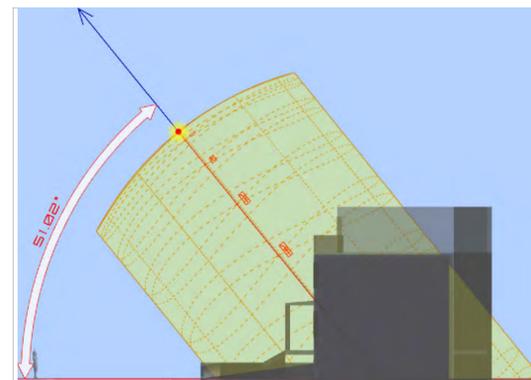
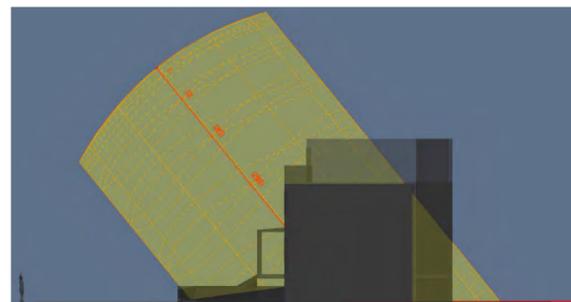
Shadow Profile Analysis



Solar Path Elevation

Solar Path Elevation

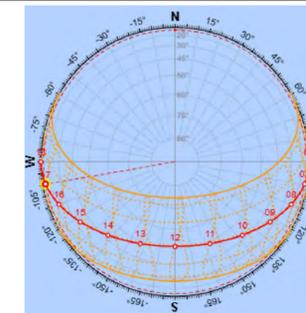
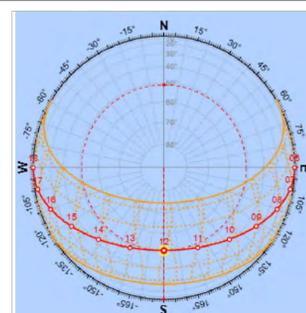
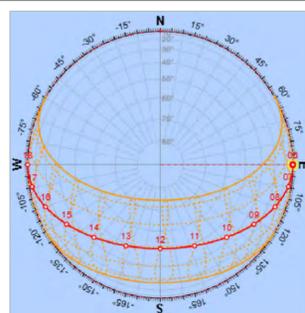
Solar Path Elevation



Stereographic Sun Path Diagram

Stereographic Sun Path Diagram

Stereographic Sun Path Diagram



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Project:

SOLAR STUDY

Drawing Title:

PLAN CHECK SUBMITTAL

REVISIONS

- -

JPG Project Number: 000.00

Reviewed: JPG

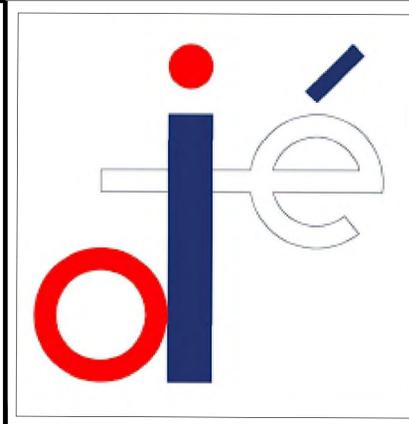
Drawn By:

Scale: AS NOTED

Date: FEB 17, 2026

A 001
 Planning Adjustment
 District of Columbia
 CASE NO. 21386
 EXPIRES 1/1/28

AUTUMN/FALL EQUINOX (23 SEP 2026)



TIME OF DAY : 6:00 AM (BACK VIEW)

Shadow Profile Analysis



Shadow Profile Analysis

TIME OF DAY : 12:00 PM (BACK VIEW)

Shadow Profile Analysis



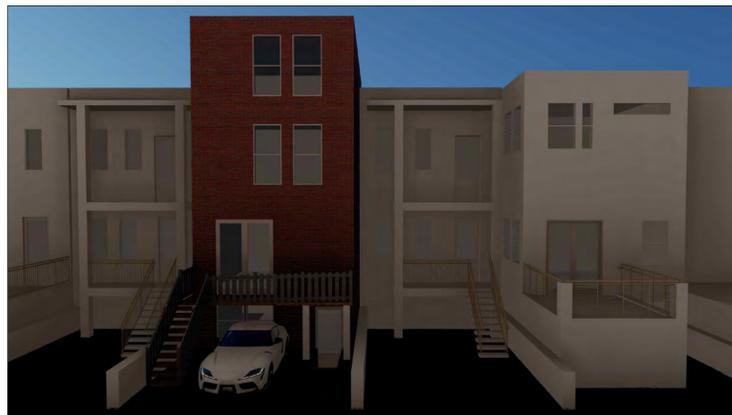
Shadow Profile Analysis

TIME OF DAY : 17:00 PM (BACK VIEW)

Shadow Profile Analysis



Shadow Profile Analysis



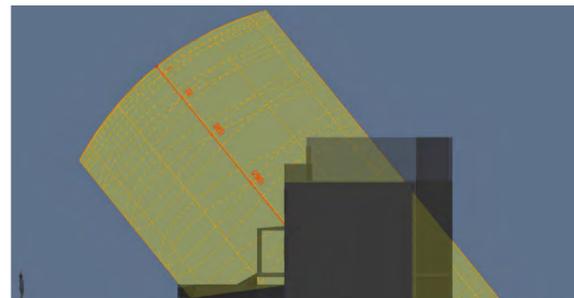
Solar Path Elevation



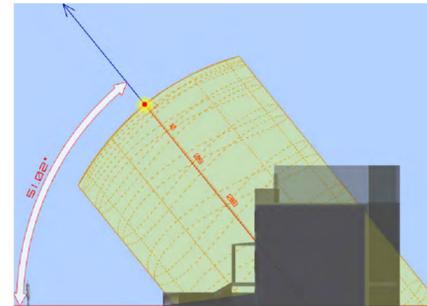
Solar Path Elevation



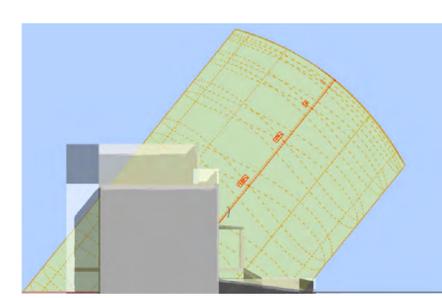
Solar Path Elevation



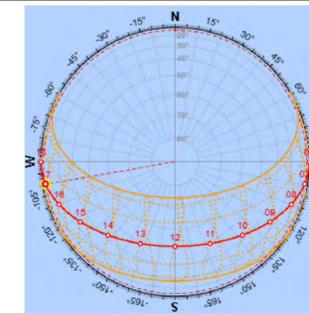
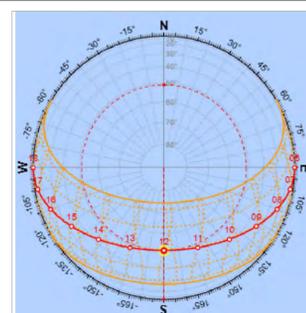
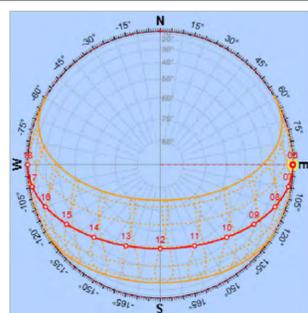
Stereographic Sun Path Diagram



Stereographic Sun Path Diagram



Stereographic Sun Path Diagram



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PLAN CHECK SUBMITTAL

REVISIONS

- -

JPG Project Number: 000.00

Reviewed: JPG

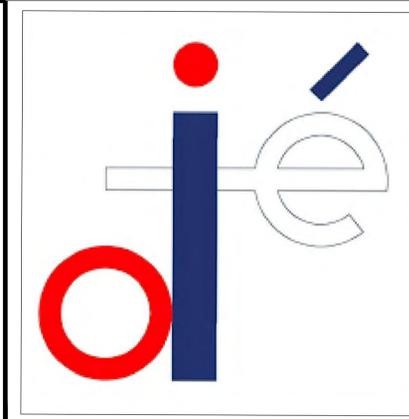
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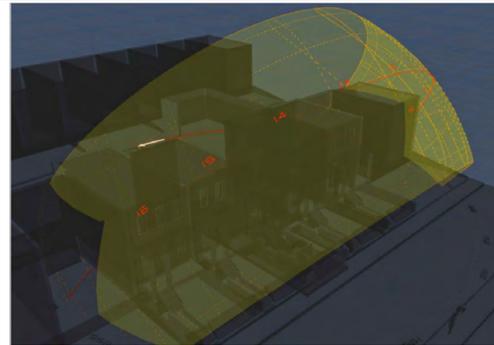
A 002

SPRING / VEMAL EQUINOX (20 MAR 2026)



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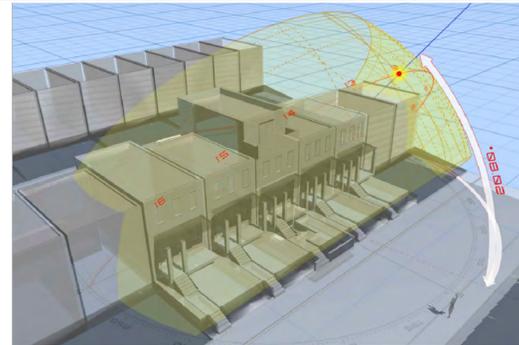
Solar Study Axonometric View



Shadow Profile Analysis

TIME OF DAY : 12:00 PM (FRONT VIEW)

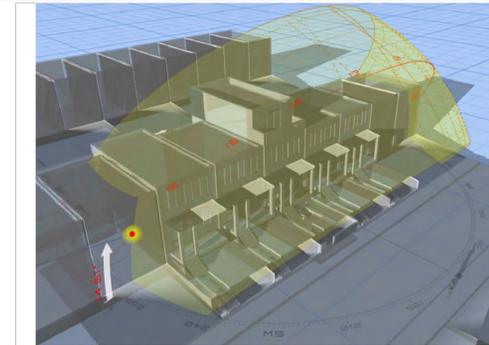
Solar Study Axonometric View



Shadow Profile Analysis

TIME OF DAY : 17:00 PM (FRONT VIEW)

Solar Study Axonometric View



Shadow Profile Analysis



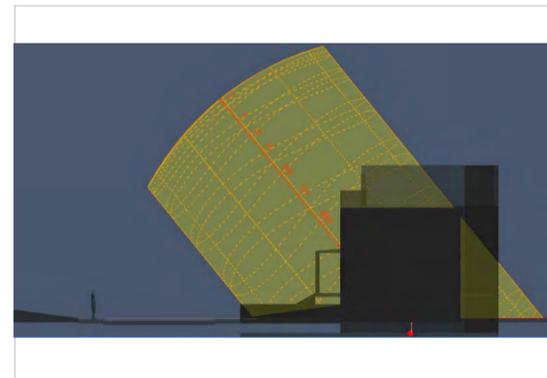
Solar Path Elevation



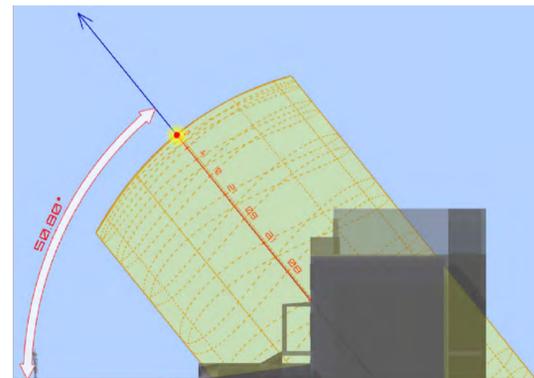
Solar Path Elevation



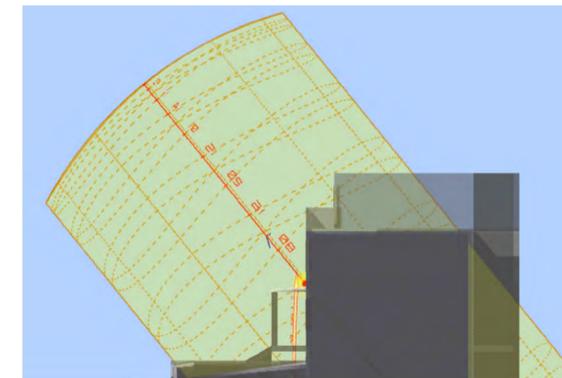
Solar Path Elevation



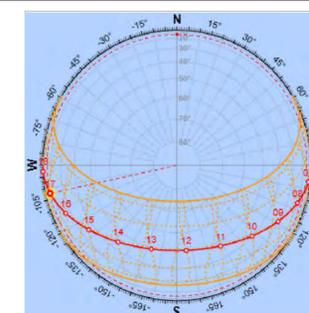
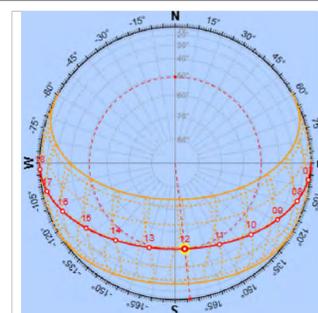
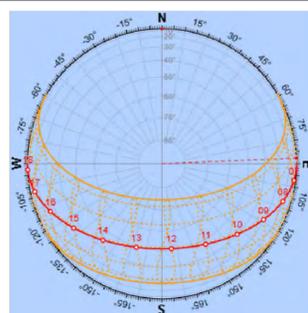
Stereographic Sun Path Diagram



Stereographic Sun Path Diagram



Stereographic Sun Path Diagram



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Project:

SOLAR STUDY

Drawing Title:

PLAN CHECK SUBMITTAL

REVISIONS

- -

JPG Project Number: 000.00

Reviewed: JPG

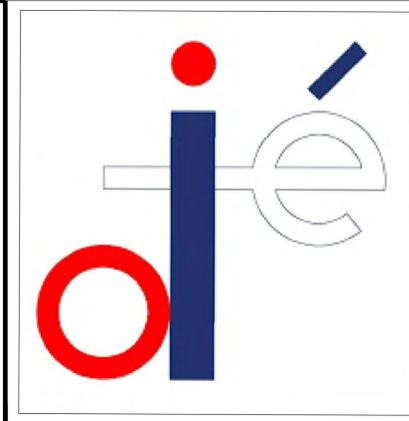
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Scale: AS NOTED

Date: FEB 17, 2026

A 003

SPRING / VEMAL EQUINOX (20 MAR 2026)



TIME OF DAY : 6:00 AM (BACK VIEW)

TIME OF DAY : 12:00 PM (BACK VIEW)

TIME OF DAY : 17:00 PM (BACK VIEW)

Shadow Profile Analysis

Shadow Profile Analysis

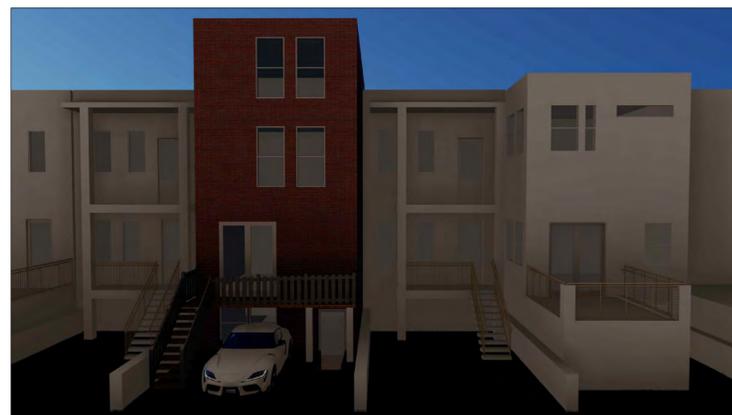
Shadow Profile Analysis



Shadow Profile Analysis

Shadow Profile Analysis

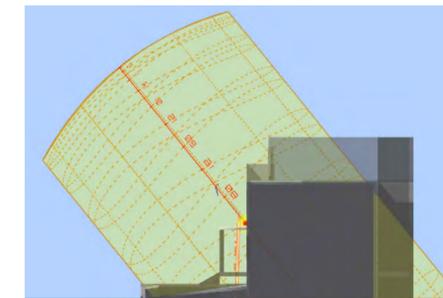
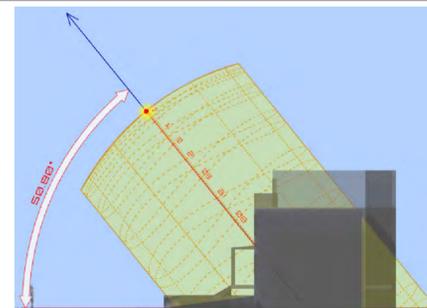
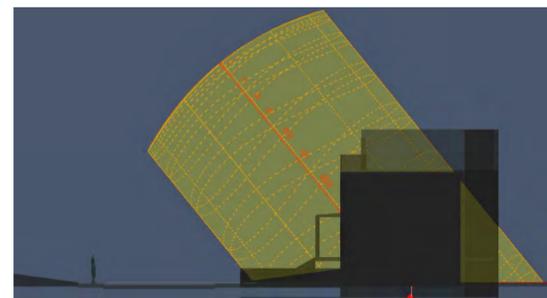
Shadow Profile Analysis



Solar Path Elevation

Solar Path Elevation

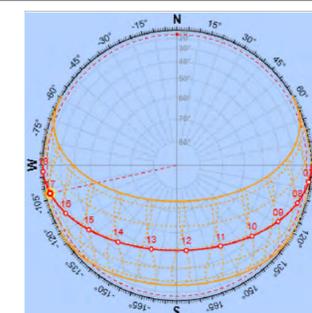
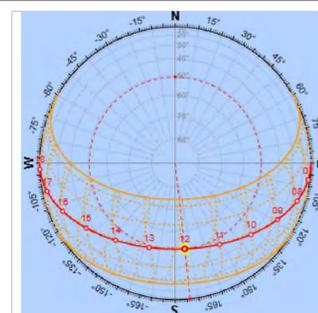
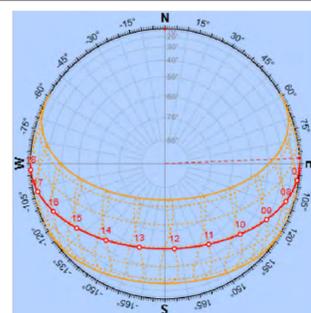
Solar Path Elevation



Stereographic Sun Path Diagram

Stereographic Sun Path Diagram

Stereographic Sun Path Diagram



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Project:

SOLAR STUDY

Drawing Title:

PLAN CHECK SUBMITTAL

REVISIONS

- -

JPG Project Number: 000.00

Reviewed: JPG

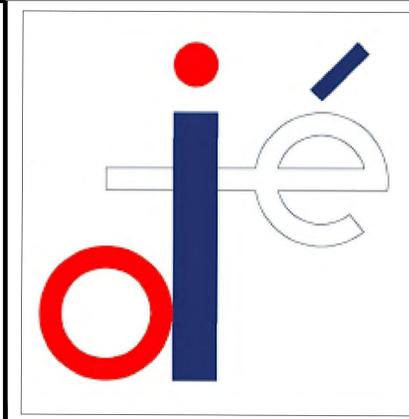
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Scale: AS NOTED

Date: FEB 17, 2026

A 004

SUMMER SOLSTICE (21 JUN 2026)



TIME OF DAY : 6:00 AM (FRONT VIEW)

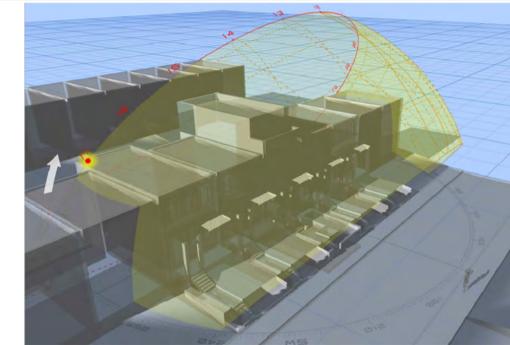
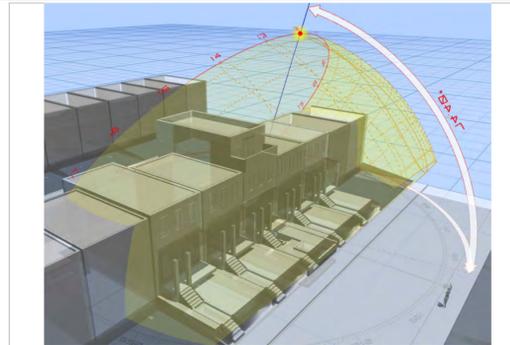
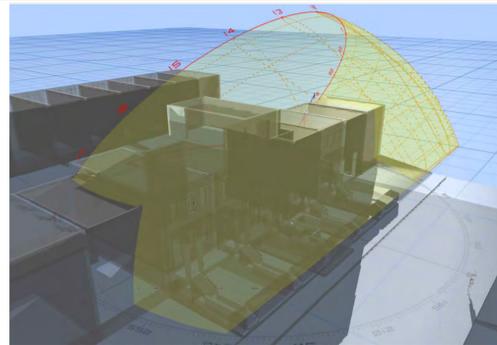
TIME OF DAY : 12:00 PM (FRONT VIEW)

TIME OF DAY : 17:00 PM (FRONT VIEW)

Solar Study Axonometric View

Solar Study Axonometric View

Solar Study Axonometric View



Shadow Profile Analysis

Shadow Profile Analysis

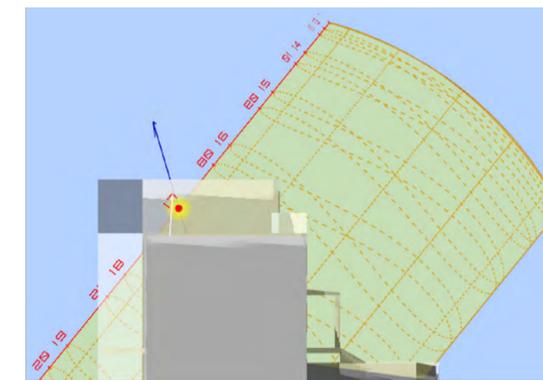
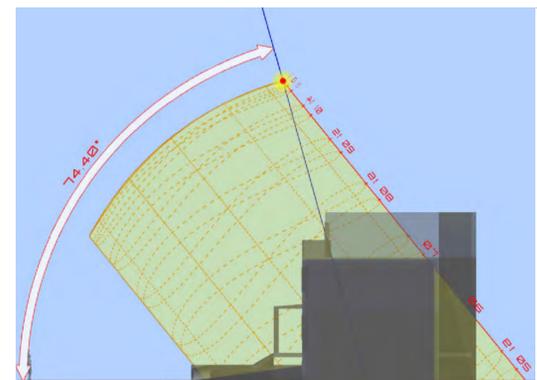
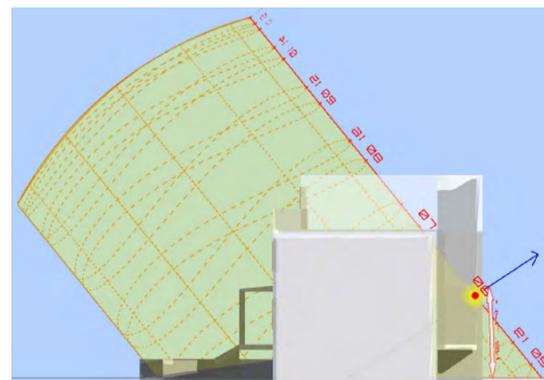
Shadow Profile Analysis



Solar Path Elevation

Solar Path Elevation

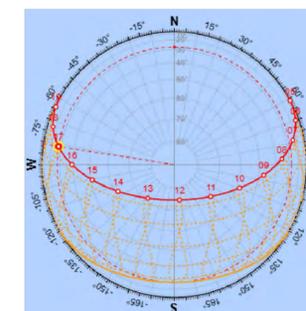
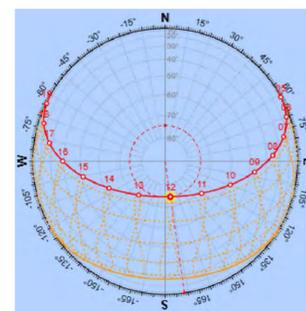
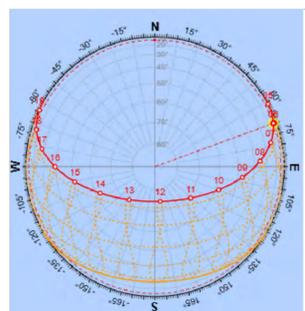
Solar Path Elevation



Stereographic Sun Path Diagram

Stereographic Sun Path Diagram

Stereographic Sun Path Diagram



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Drawing Title:

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REVISIONS

- -

JPG Project Number: 000.00

Reviewed: JPG

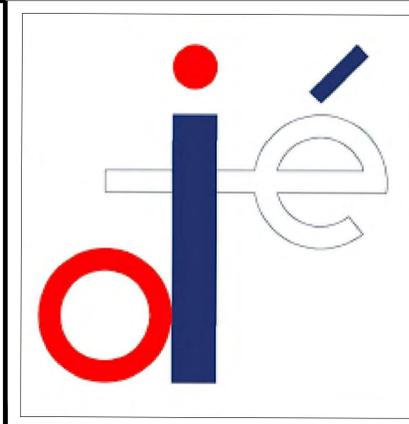
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Scale: AS NOTED

Date: FEB 17, 2026

A 005

SUMMER SOLSTICE (21 JUN 2026)



TIME OF DAY : 6:00 AM (BACK VIEW)

Shadow Profile Analysis



TIME OF DAY : 12:00 PM (BACK VIEW)

Shadow Profile Analysis



TIME OF DAY : 17:00 PM (BACK VIEW)

Shadow Profile Analysis



Shadow Profile Analysis



Shadow Profile Analysis



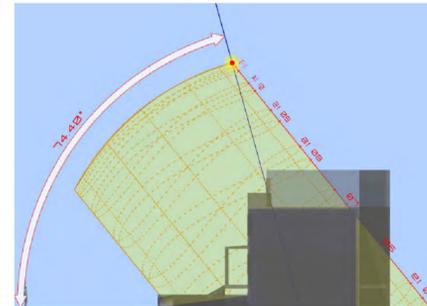
Shadow Profile Analysis



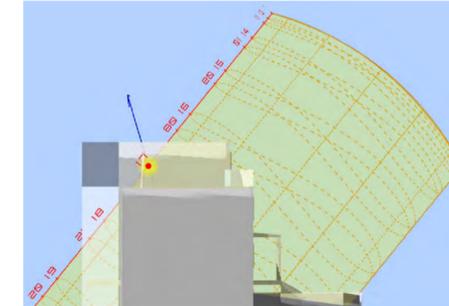
Solar Path Elevation



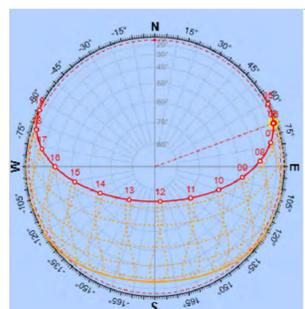
Solar Path Elevation



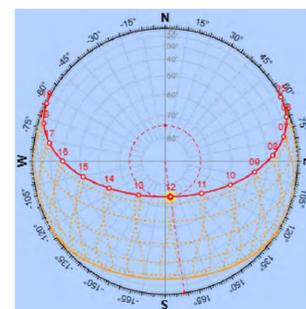
Solar Path Elevation



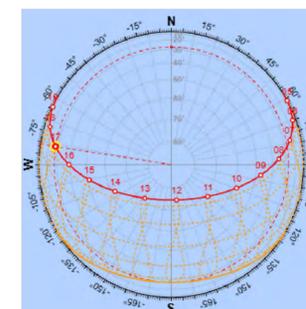
Stereographic Sun Path Diagram



Stereographic Sun Path Diagram



Stereographic Sun Path Diagram



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PLAN CHECK SUBMITTAL

REVISIONS

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JPG Project Number: 000.00

Reviewed: JPG

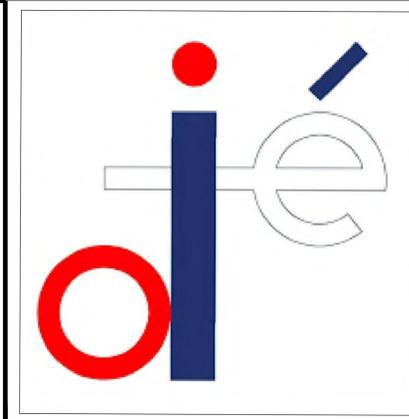
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Date: FEB 17, 2026

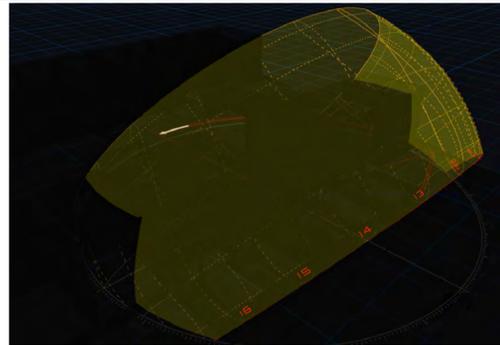
A 006

WINTER SOLSTICE (21 DEC 2026)



TIME OF DAY : 6:00 AM (FRONT VIEW)

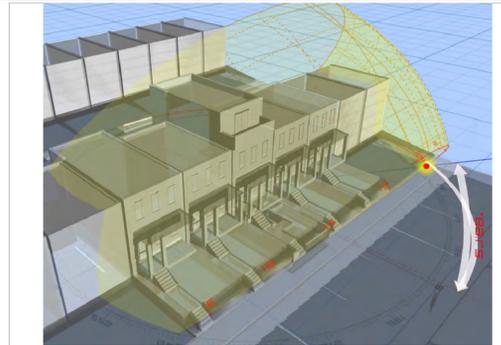
Solar Study Axonometric View



Shadow Profile Analysis

TIME OF DAY : 12:00 PM (FRONT VIEW)

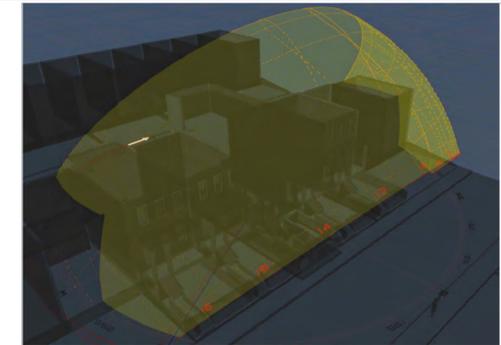
Solar Study Axonometric View



Shadow Profile Analysis

TIME OF DAY : 17:00 PM (FRONT VIEW)

Solar Study Axonometric View



Shadow Profile Analysis



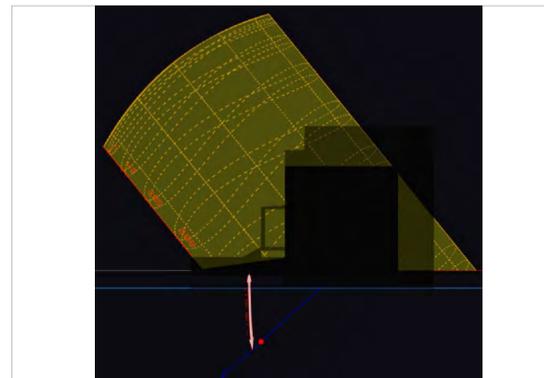
Solar Path Elevation



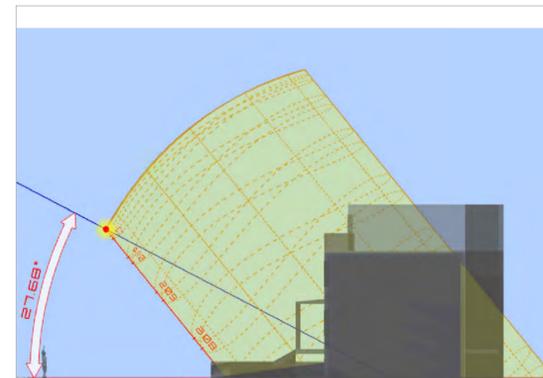
Solar Path Elevation



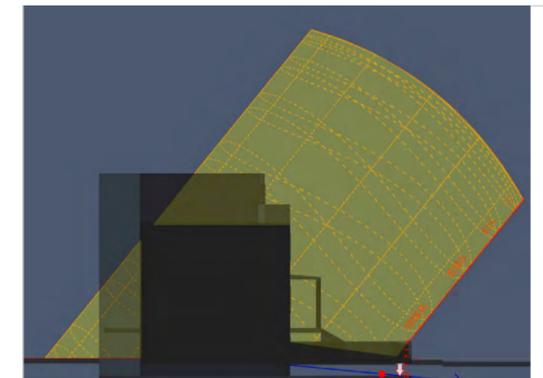
Solar Path Elevation



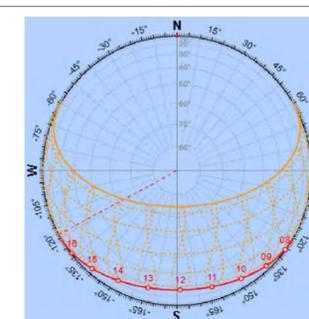
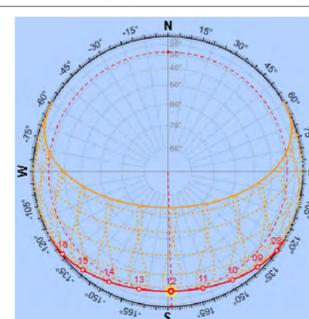
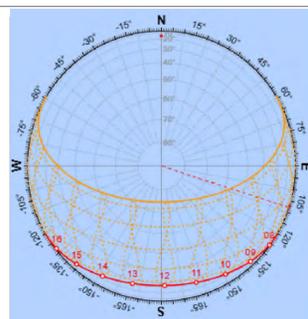
Stereographic Sun Path Diagram



Stereographic Sun Path Diagram



Stereographic Sun Path Diagram



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Keyplan:

FENCE

1332 Corbin PI NE
WASHINGTON DC 20002

Project:

SOLAR STUDY

Drawing Title:

PLAN CHECK SUBMITTAL

REVISIONS

- [Symbol] -

JPG Project Number: 000.00

Reviewed: JPG

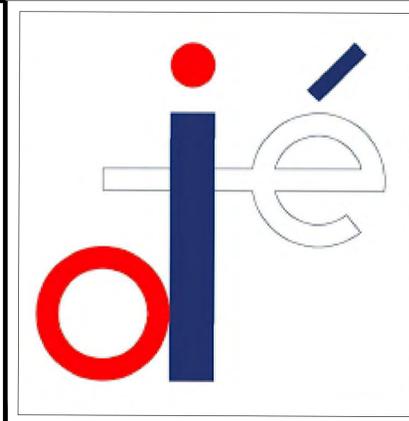
Drawn By:

Scale: AS NOTED

Date: FEB 17, 2026

A 007

WINTER SOLSTICE (21 DEC 2026)



TIME OF DAY : 6:00 AM (BACK VIEW)

Shadow Profile Analysis



TIME OF DAY : 12:00 PM (BACK VIEW)

Shadow Profile Analysis



TIME OF DAY : 17:00 PM (BACK VIEW)

Shadow Profile Analysis



Shadow Profile Analysis



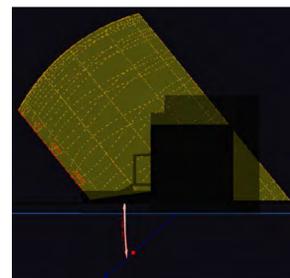
Shadow Profile Analysis



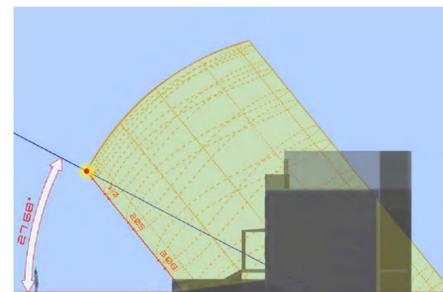
Shadow Profile Analysis



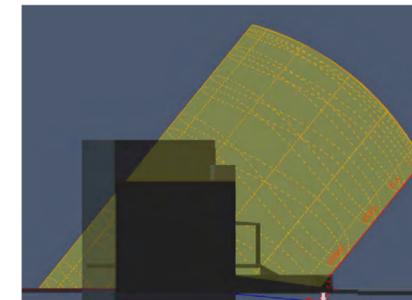
Solar Path Elevation



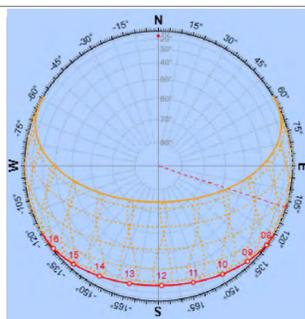
Solar Path Elevation



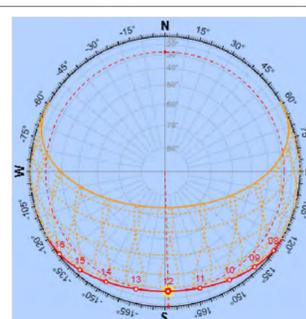
Solar Path Elevation



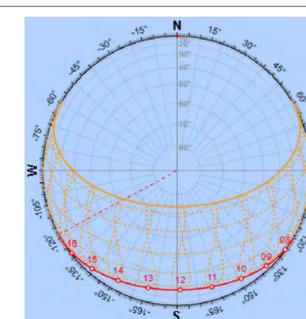
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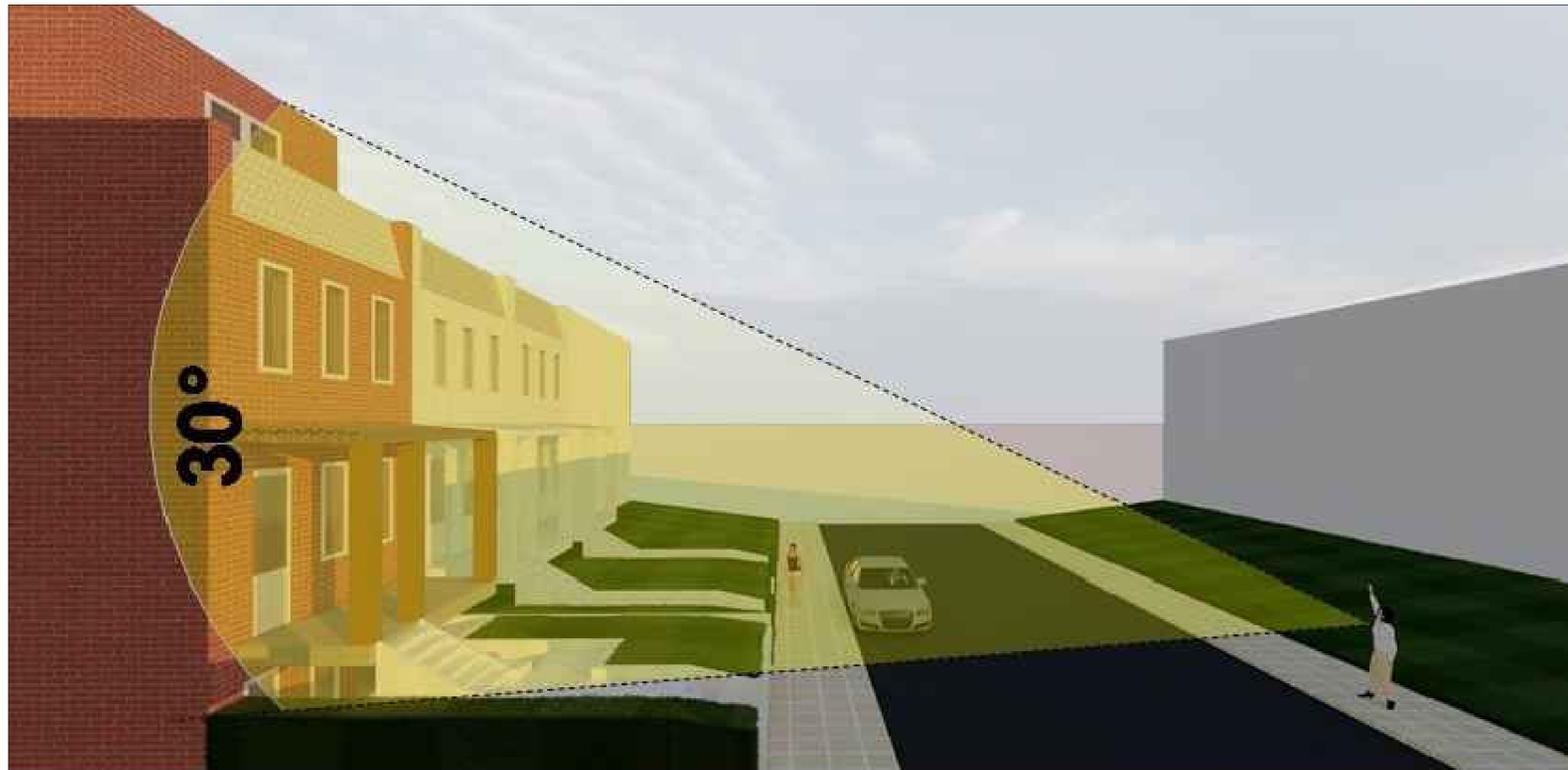
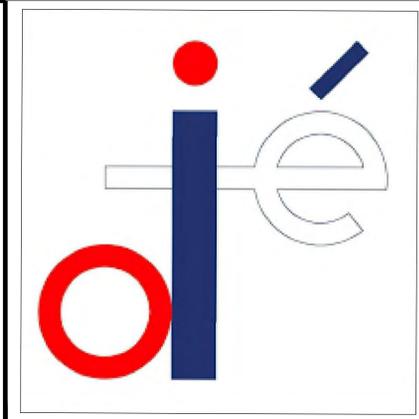
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Solar Impact Analysis Report

Project: 1332 Corbin PI NE, Washington, DC 20002
Annual Solar Cycle: 2026

1. Spring Equinox – March 20, 2026

With a maximum solar altitude of 50°, solar incidence is concentrated on the front facades. During this period, the sun's trajectory does not allow direct radiation to reach the rear facades at any time of the day (sunrise or sunset), keeping these areas in a state of projected shadow.

2. Summer Solstice – June 21, 2026

This period features the highest solar altitude, reaching 74.40°. The sun directly impacts the roofs and upper levels. Due to the orientation and volumetric additions, the following determinants are observed:

- Sunrise: The architectural addition of the house at 1330 Corbin PI NE obstructs the solar angle due to its rear volume, generating a projected shadow that covers the rear facade of 1332 Corbin PI NE.
- Sunset: The rear addition of the house at 1328 Corbin PI NE blocks light entry into the dwelling at 1330 Corbin PI NE, significantly limiting luminous comfort in the late afternoon.
- Seasonal Conclusion: Summer is identified as the season with the most critical shadow projections toward the rear facades, primarily affecting 1330 Corbin PI NE.

3. Autumn Equinox (FALL) – September 23, 2026

During this transition, the maximum solar altitude is at 51°. Lighting is pronounced only on the front facades. There is a total absence of solar radiation on the rear facades of 1332 Corbin PI NE, both during the early morning hours and at sunset.

4. Winter Solstice – December 21, 2026

The solar altitude decreases to its minimum point of 27.66°. Consequently, lighting is predominant and deep on the main (front) facades. During this solstice, the sun rises later and sets earlier, resulting in fewer hours of natural light; the rear facades remain in absolute shadow throughout the day.

Final Study Conclusion

After analyzing the four seasons of 2026, it is concluded that the properties in the sector feature optimal front lighting throughout the annual cycle. However, the rear facades strictly depend on the summer solstice to receive direct sunlight. This light reception is conditioned and limited by the existing volumetric additions.

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