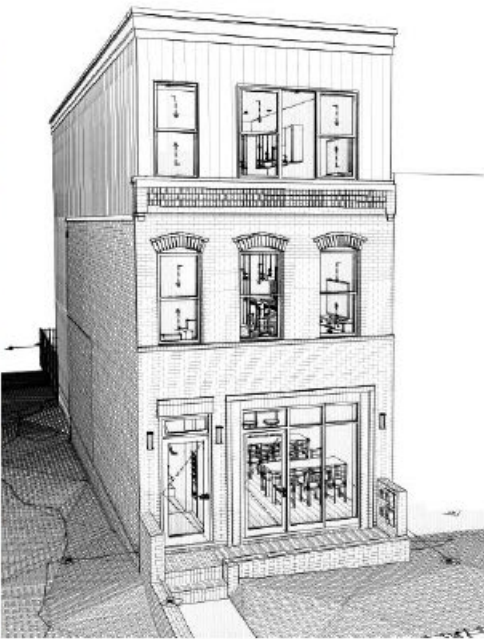


1106 3RD ST NE

SHADOW STUDY

11/24/2025



SHEET INDEX	
ID	NAME
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SD05	SHADOW ANALYSIS - SUMMER EXISTING
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SD07	SHADOW ANALYSIS - WINTER EXISTING
SD08	SHADOW ANALYSIS - WINTER PROPOSED

Board of Zoning Adjustment
District of Columbia
CASE NO. 21381
THB# NO. 27B

SD01 | 1106 3RD ST NE, WASHINGTON, DC
COVER SHEET

11/24/2025



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NARRATIVE

EMOTIVE ARCHITECTURE HAS COMPLETED AN ANALYSIS OF THE POTENTIAL SHADOW IMPACTS ASSOCIATED WITH THE PROPOSED ADDITION AND EXTENSION AT 1106 3RD ST NE, WASHINGTON, DC.

THE STUDY EVALUATED TWO SCENARIOS:

SCENARIO 1 – EXISTING CONDITIONS: SHADOWS CAST BY THE CURRENT BUILDINGS.

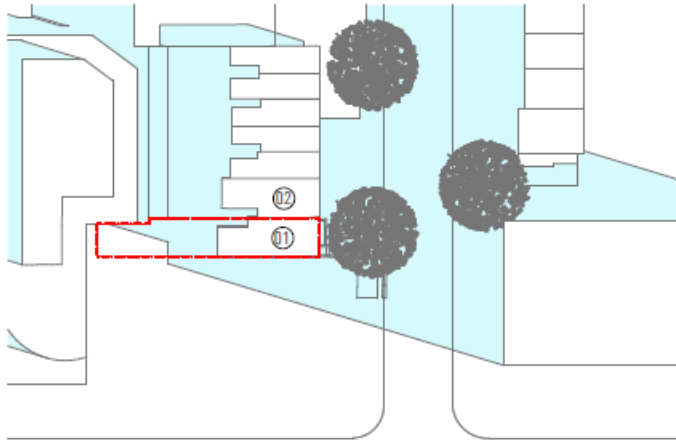
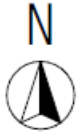
SCENARIO 2 – PROPOSED CONDITIONS: ADDITIONAL SHADOWS RESULTING FROM THE PROPOSED ADDITION AND EXTENSION.

THE SHADOW ANALYSIS INCLUDED THE ADJACENT TOWNHOMES ALONG 3RD STREET, THE WASHINGTON INTERN NETWORK BUILDING, AND THE PROPERTY AT 1109 CONGRESS ST NE.

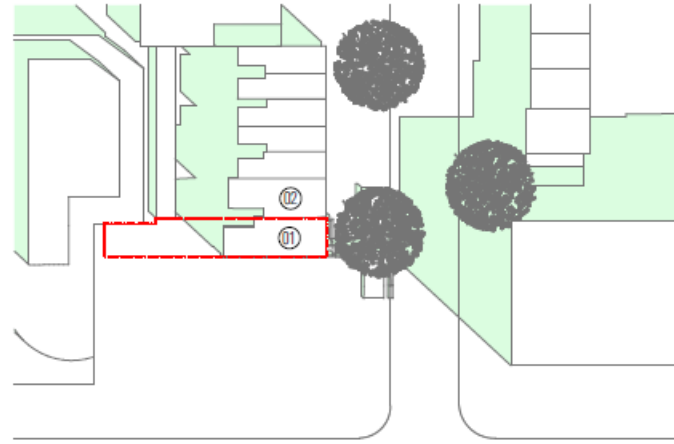
SHADOWS WERE STUDIED FROM 8:00 AM TO 6:00 PM AT TWO-HOUR INTERVALS ACROSS THE SPRING/FALL, SUMMER, AND WINTER SEASONS.

SHADOW ANALYSIS - SPRING/ FALL EXISTING

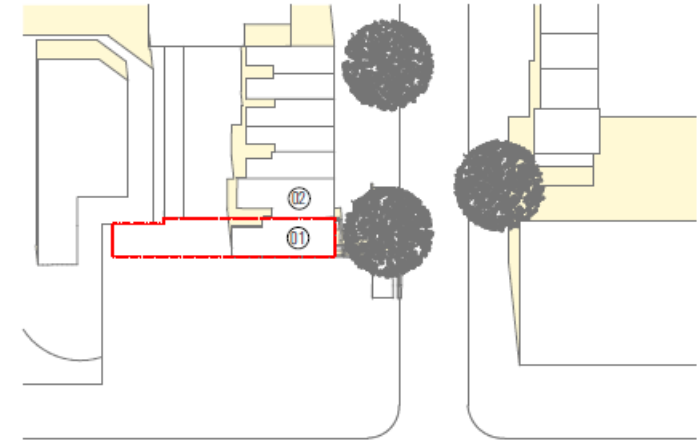
THIS SUN STUDY IMAGES WERE CONDUCTED FROM 08:00:00 AM TO 06:00:00 PM ON MARCH 21 IN 2 HOUR INCREMENTS



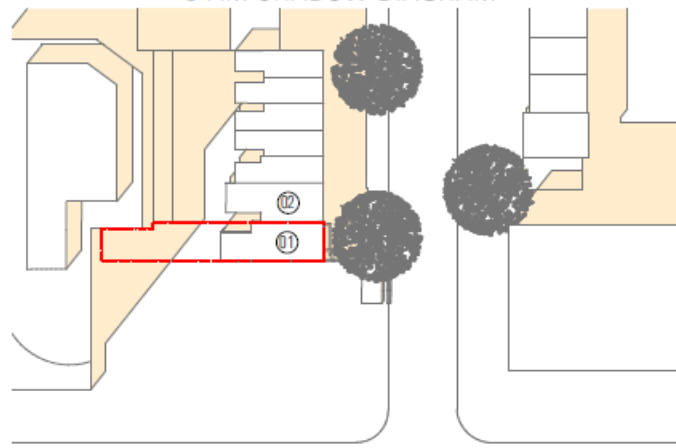
8 AM SHADOW DIAGRAM



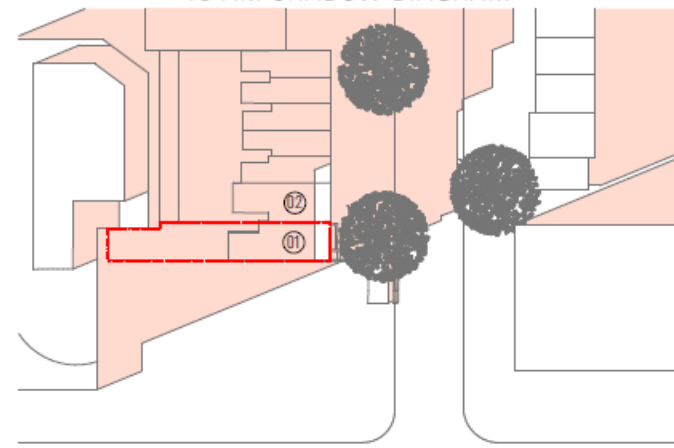
10 AM SHADOW DIAGRAM



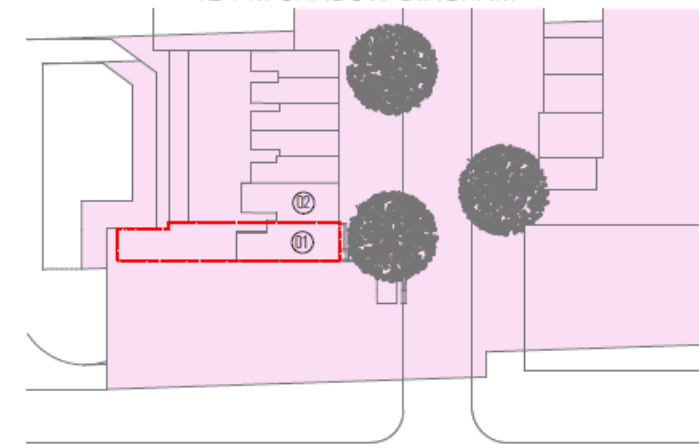
12 PM SHADOW DIAGRAM



2 PM SHADOW DIAGRAM



4 PM SHADOW DIAGRAM

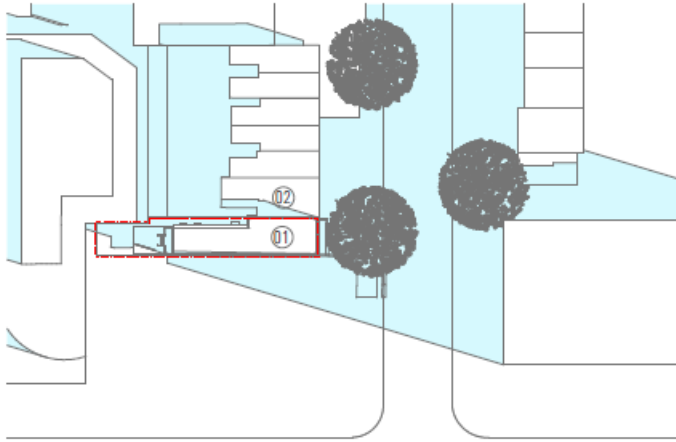


6 PM SHADOW DIAGRAM

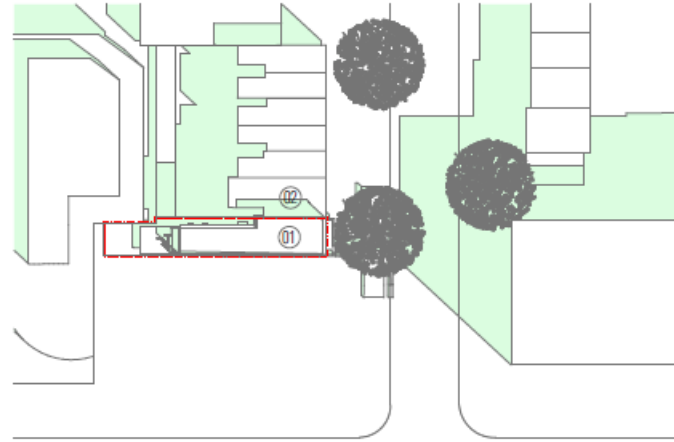
LEGEND: 01 - 1106 3RD ST NE, 02 - 1108 3RD ST NE

SHADOW ANALYSIS - SPRING/ FALL PROPOSED

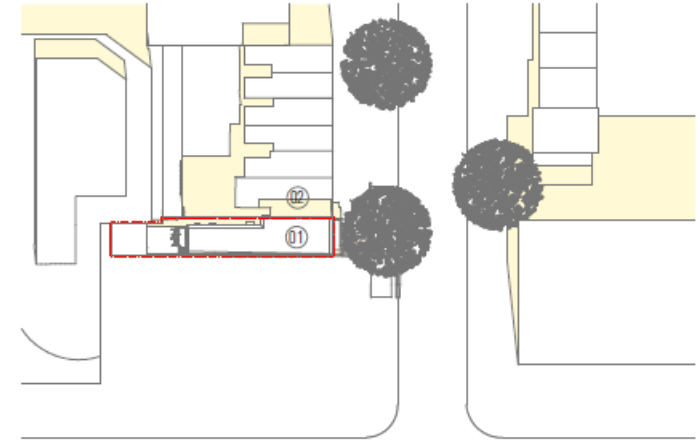
THIS SUN STUDY IMAGES WERE CONDUCTED FROM 08:00:00 AM TO 06:00:00 PM ON MARCH 21 IN 2 HOUR INCREMENTS



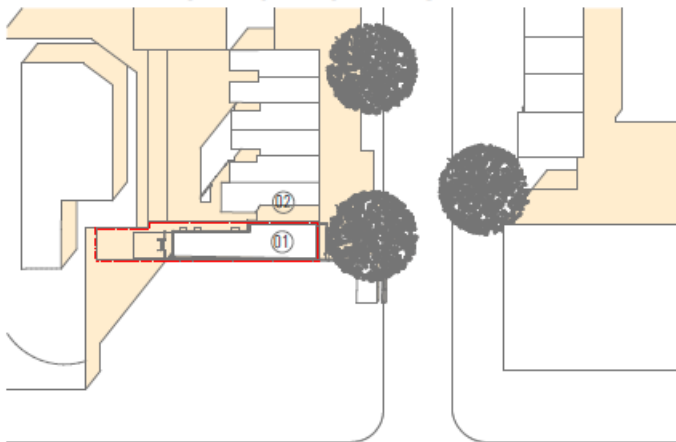
8 AM SHADOW DIAGRAM



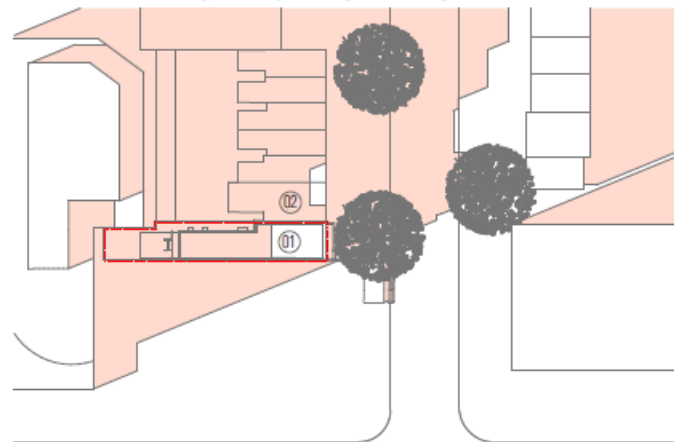
10 AM SHADOW DIAGRAM



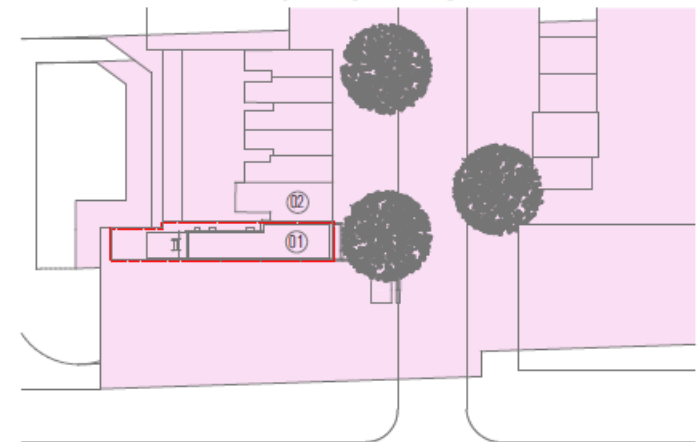
12 PM SHADOW DIAGRAM



2 PM SHADOW DIAGRAM



4 PM SHADOW DIAGRAM

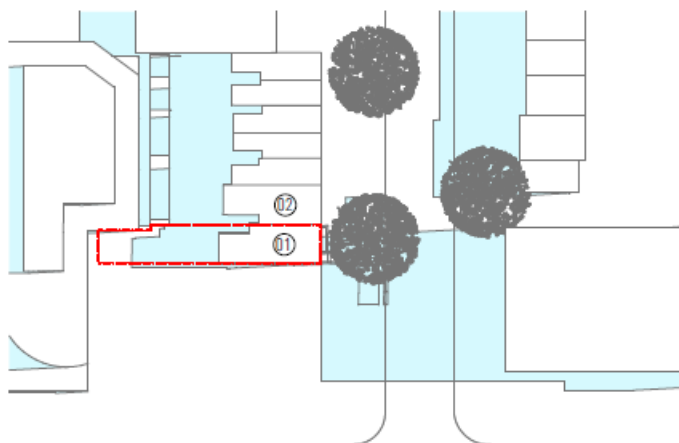


6 PM SHADOW DIAGRAM

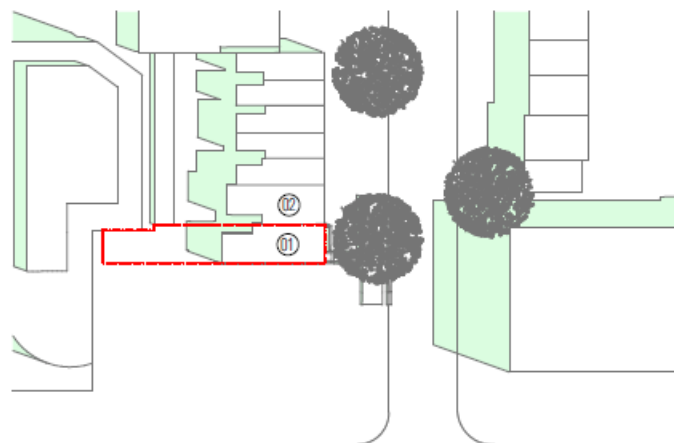
LEGEND: 01 - 1106 3RD ST NE, 02 - 1108 3RD ST NE

SHADOW ANALYSIS - SUMMER EXISTING

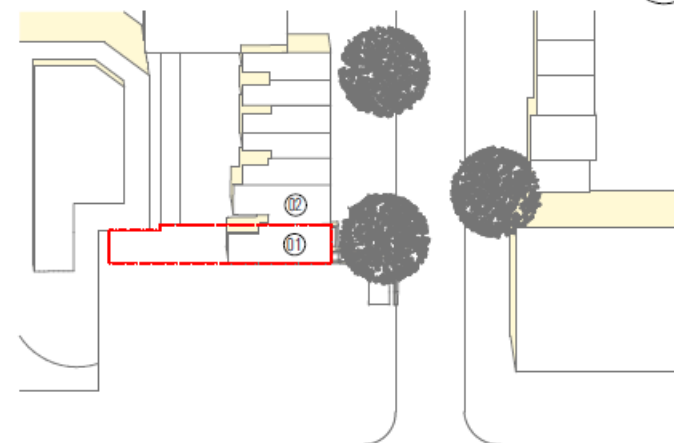
THIS SUN STUDY IMAGES WERE CONDUCTED FROM 08:00:00 AM TO 06:00:00 PM ON JUNE 21 IN 2 HOUR INCREMENTS



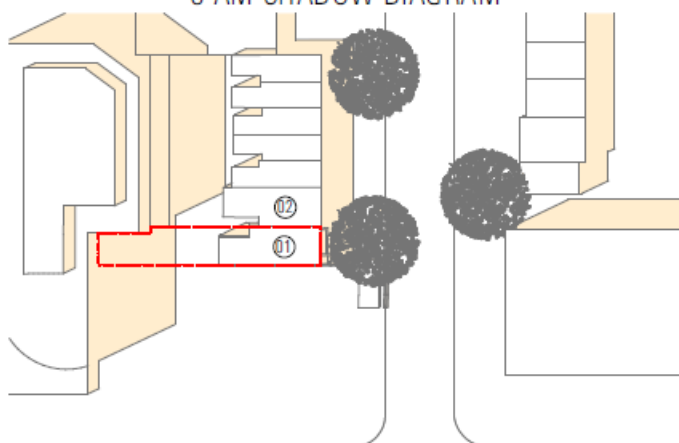
8 AM SHADOW DIAGRAM



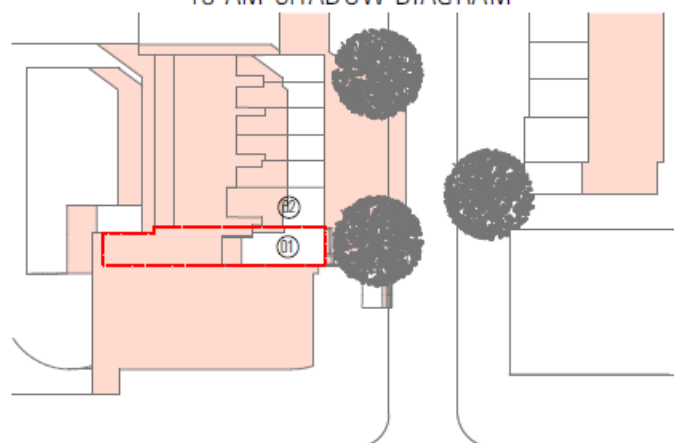
10 AM SHADOW DIAGRAM



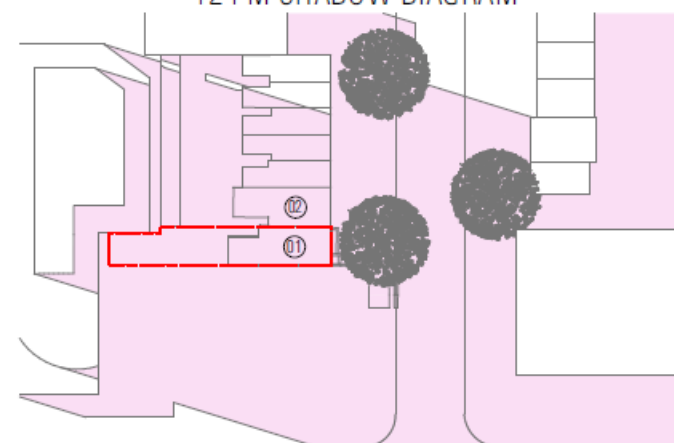
12 PM SHADOW DIAGRAM



2 PM SHADOW DIAGRAM



4 PM SHADOW DIAGRAM



6 PM SHADOW DIAGRAM

LEGEND: (01) - 1106 3RD ST NE, (02) - 1108 3RD ST NE

SD05

1106 3RD ST NE, WASHINGTON, DC
SHADOW ANALYSIS - SUMMER EXISTING

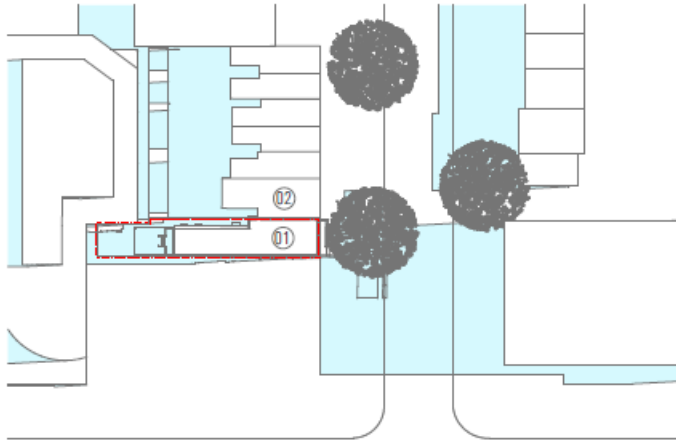
11/24/2025



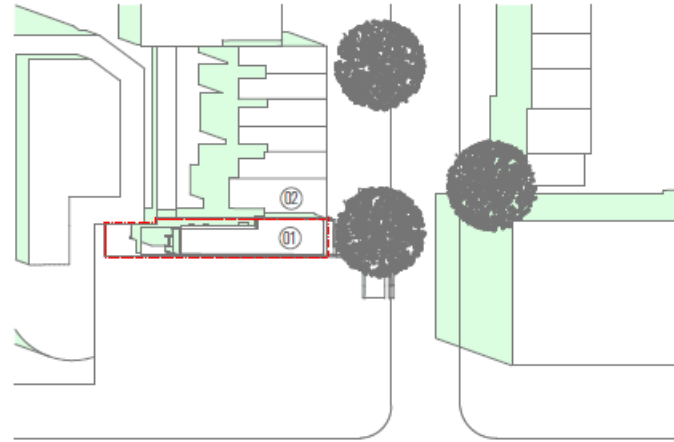
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SHADOW ANALYSIS - SUMMER PROPOSED

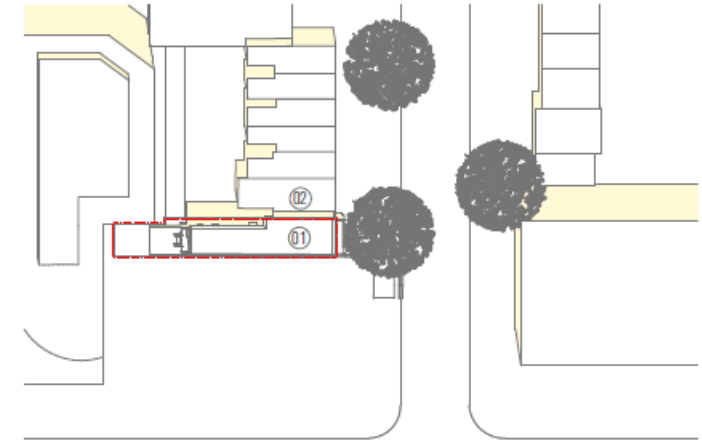
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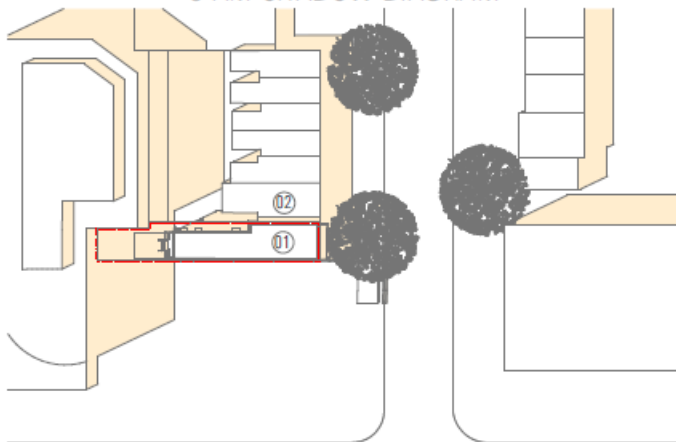
8 AM SHADOW DIAGRAM



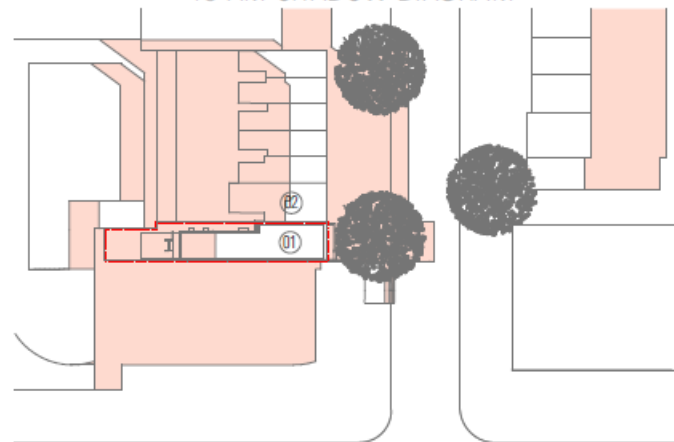
10 AM SHADOW DIAGRAM



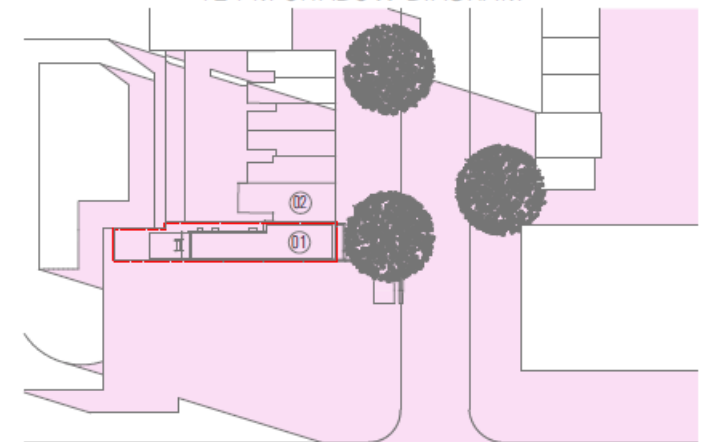
12 PM SHADOW DIAGRAM



2 PM SHADOW DIAGRAM



4 PM SHADOW DIAGRAM



6 PM SHADOW DIAGRAM

LEGEND: 01 - 1106 3RD ST NE, 02 - 1108 3RD ST NE

SD06

1106 3RD ST NE, WASHINGTON, DC
SHADOW ANALYSIS - SUMMER PROPOSED

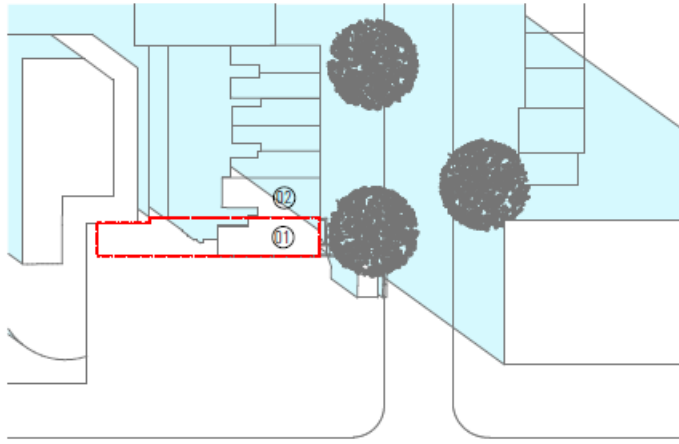
11/24/2025



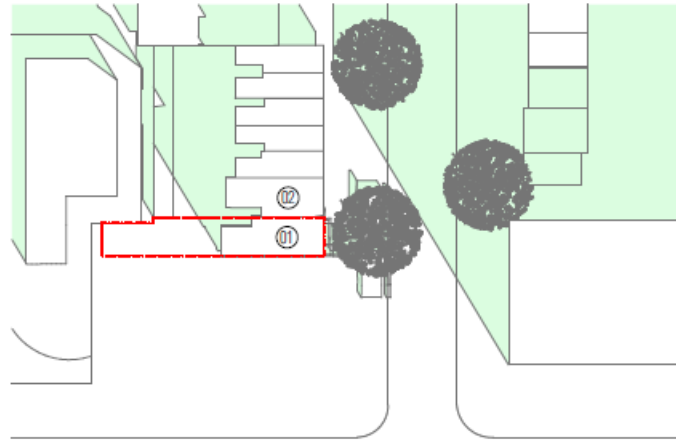
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SHADOW ANALYSIS - WINTER EXISTING

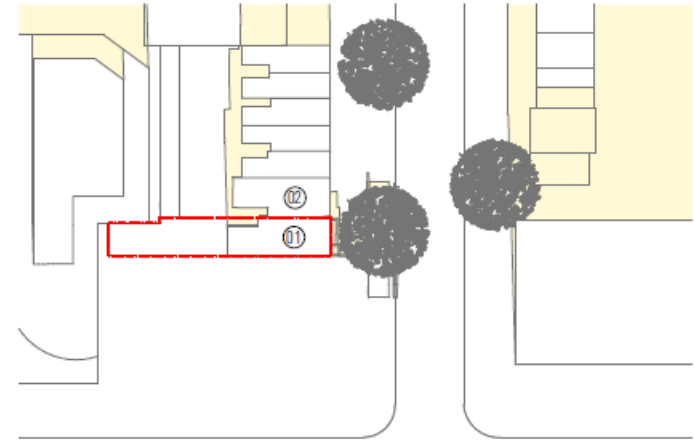
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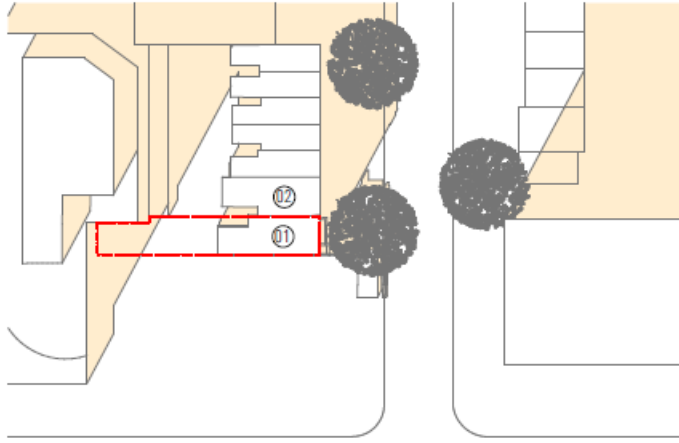
8 AM SHADOW DIAGRAM



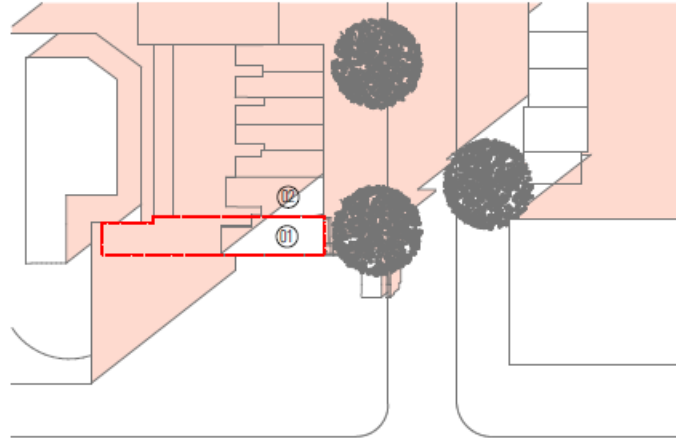
10 AM SHADOW DIAGRAM



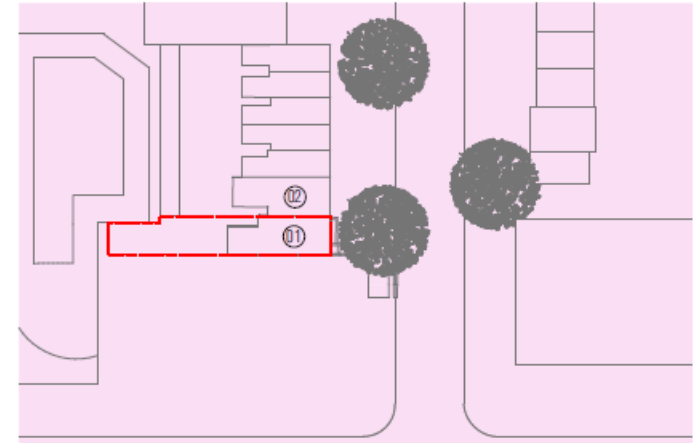
12 PM SHADOW DIAGRAM



2 PM SHADOW DIAGRAM



4 PM SHADOW DIAGRAM

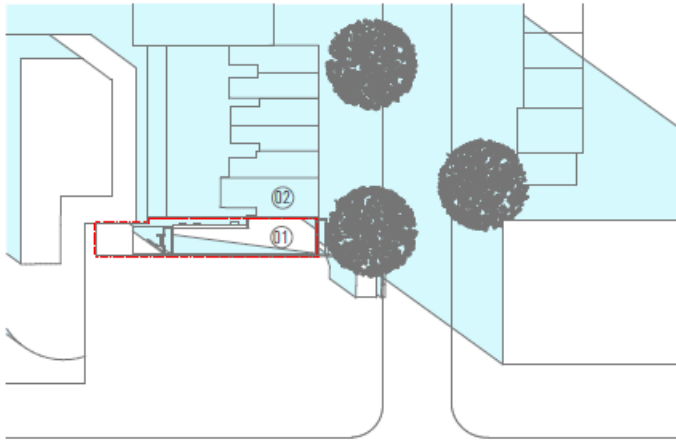


6 PM SHADOW DIAGRAM

LEGEND: 01 - 1106 3RD ST NE, 02 - 1108 3RD ST NE

SHADOW ANALYSIS - WINTER PROPOSED

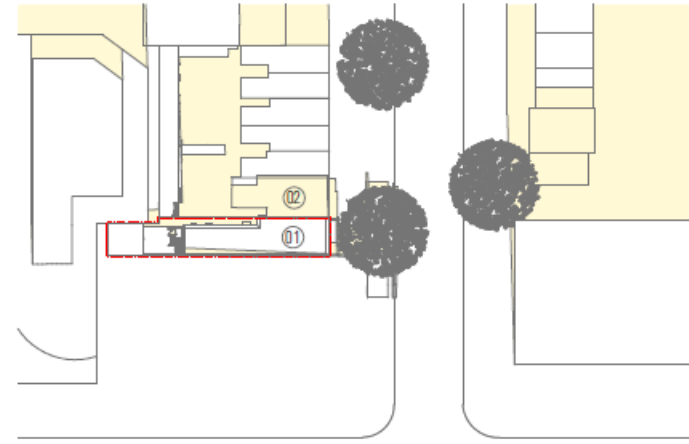
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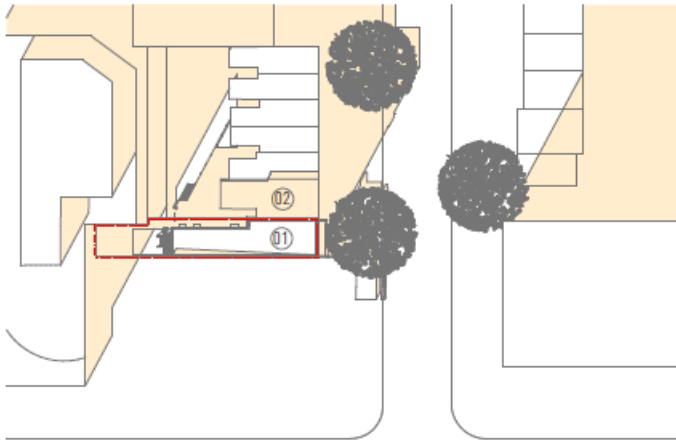
8 AM SHADOW DIAGRAM



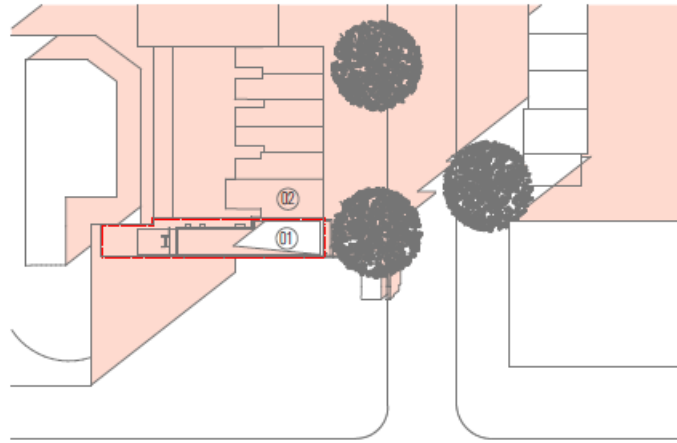
10 AM SHADOW DIAGRAM



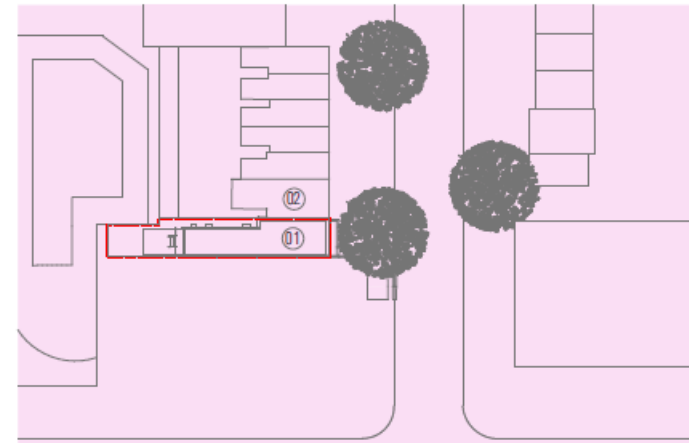
12 PM SHADOW DIAGRAM



2 PM SHADOW DIAGRAM



4 PM SHADOW DIAGRAM



6 PM SHADOW DIAGRAM

LEGEND: 01 - 1106 3RD ST NE, 02 - 1108 3RD ST NE

SD08

1106 3RD ST NE, WASHINGTON, DC
SHADOW ANALYSIS - WINTER PROPOSED

11/24/2025



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