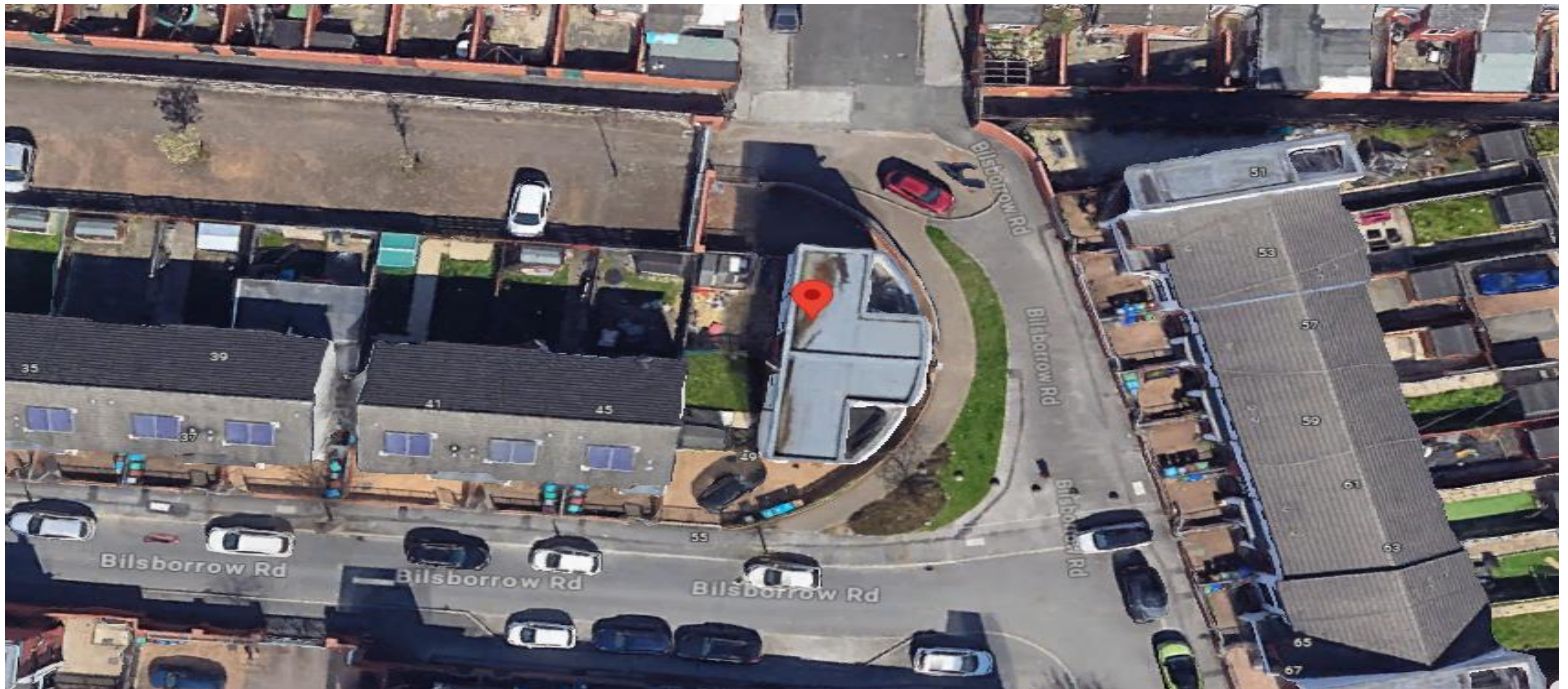
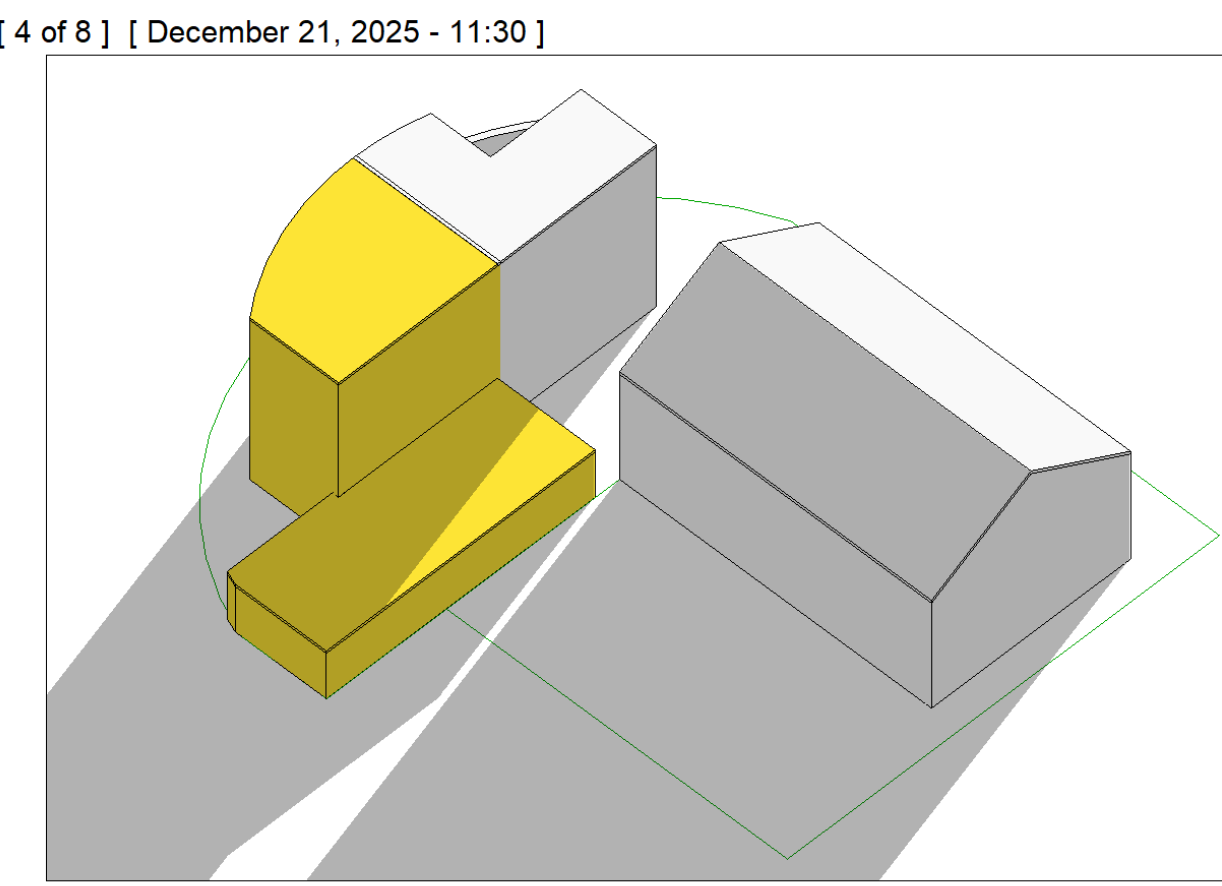
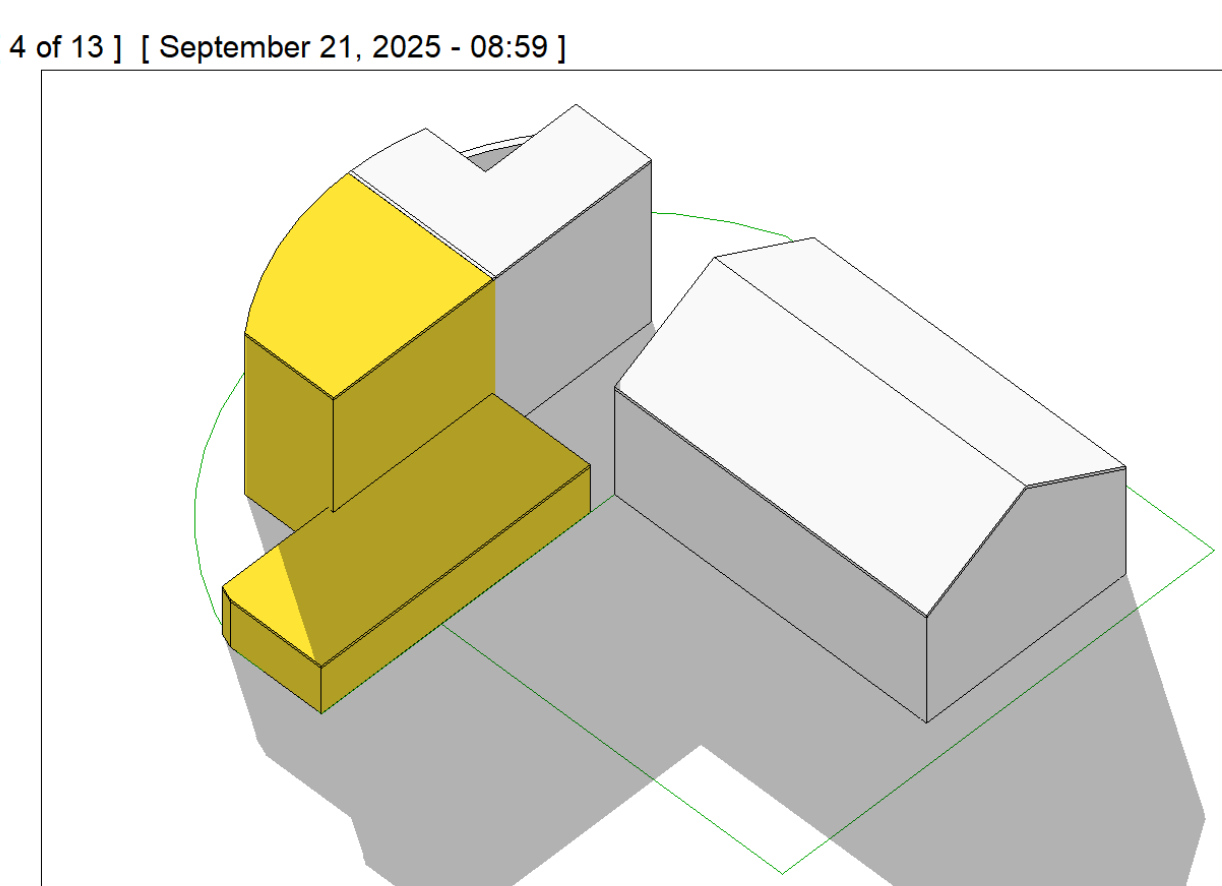
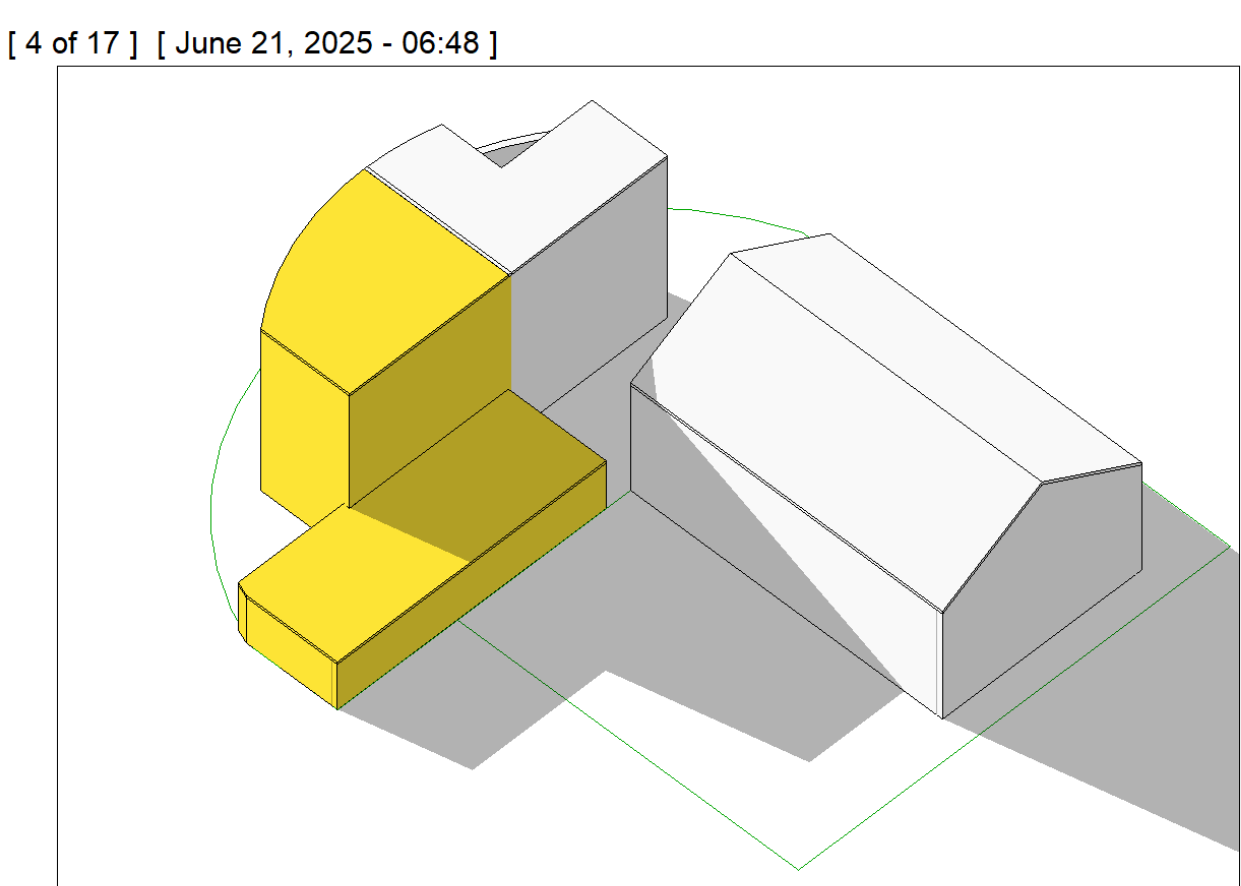
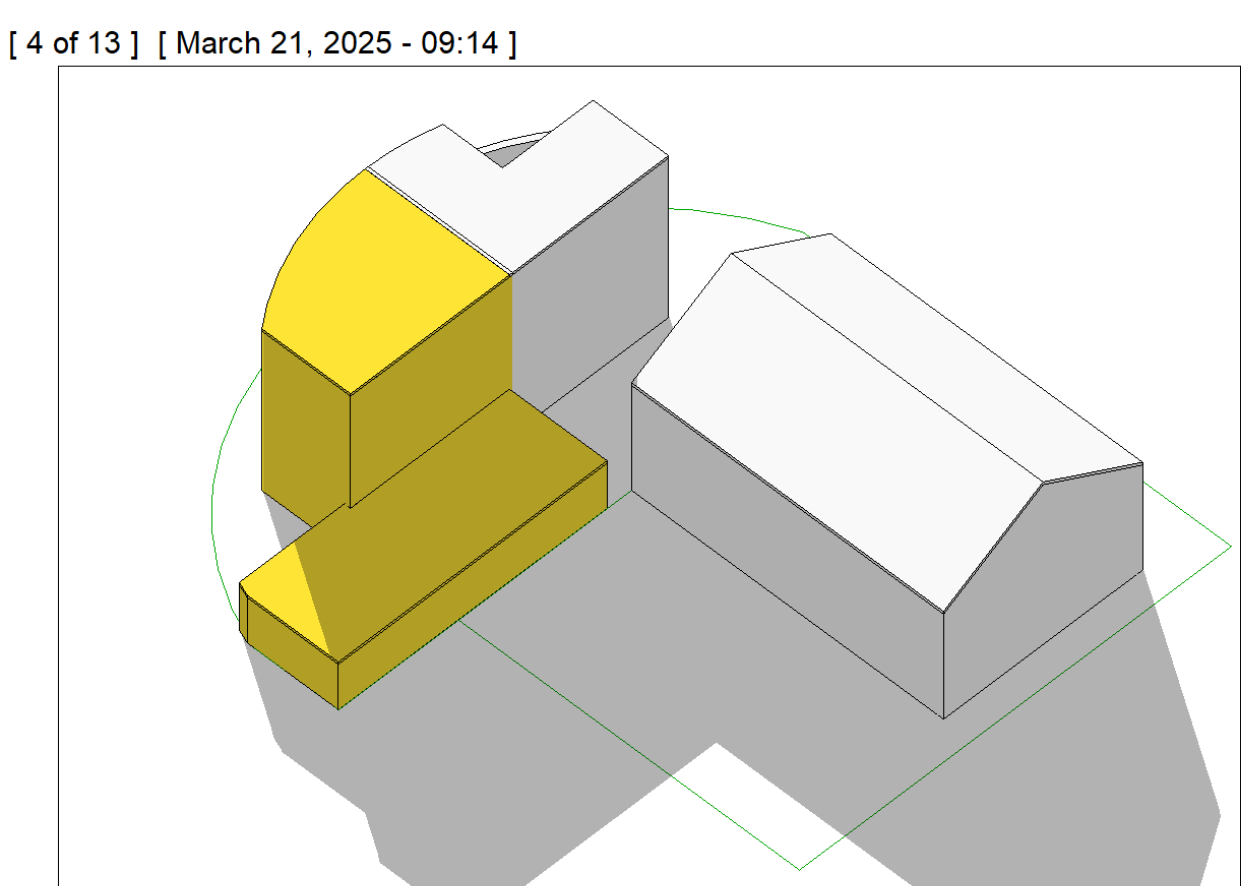
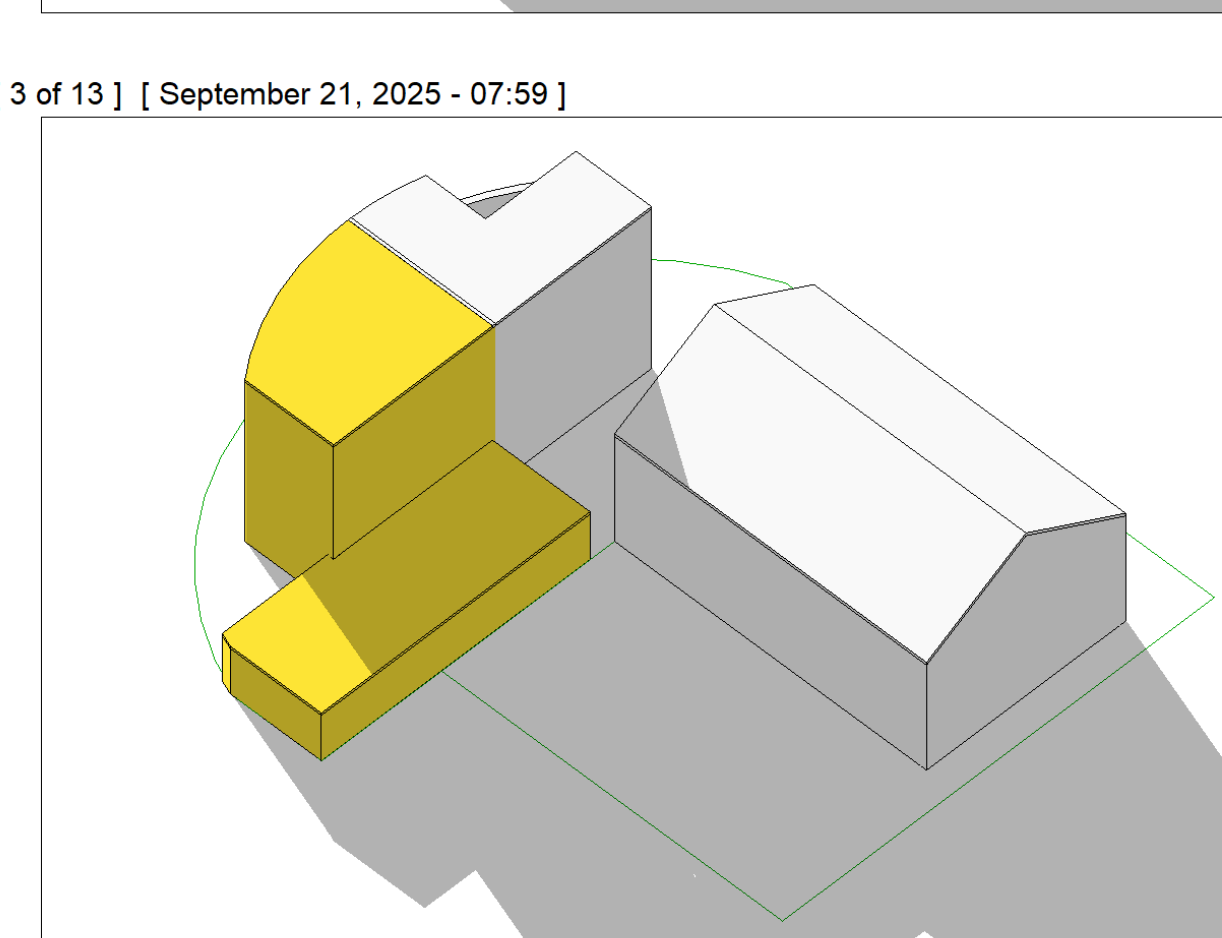
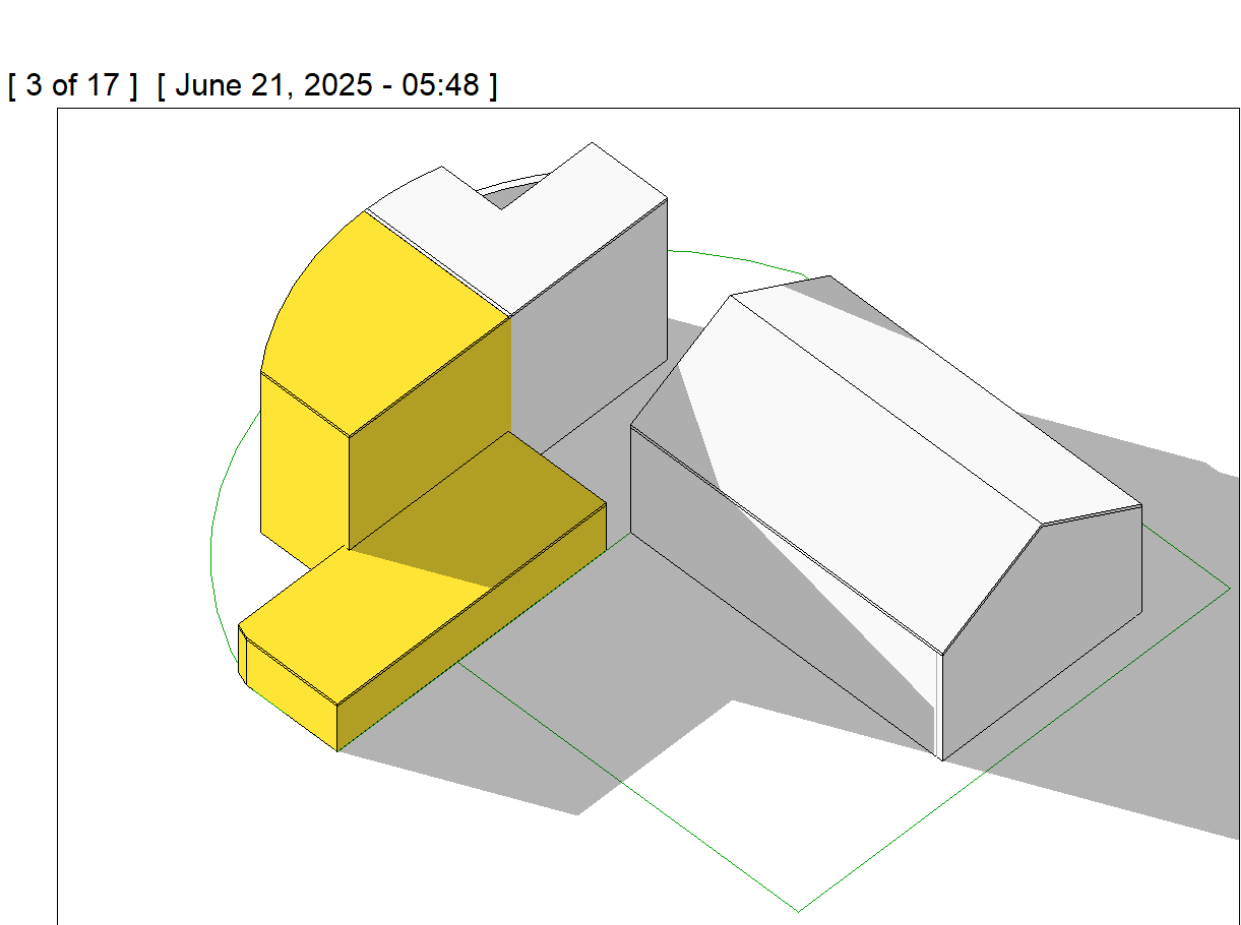
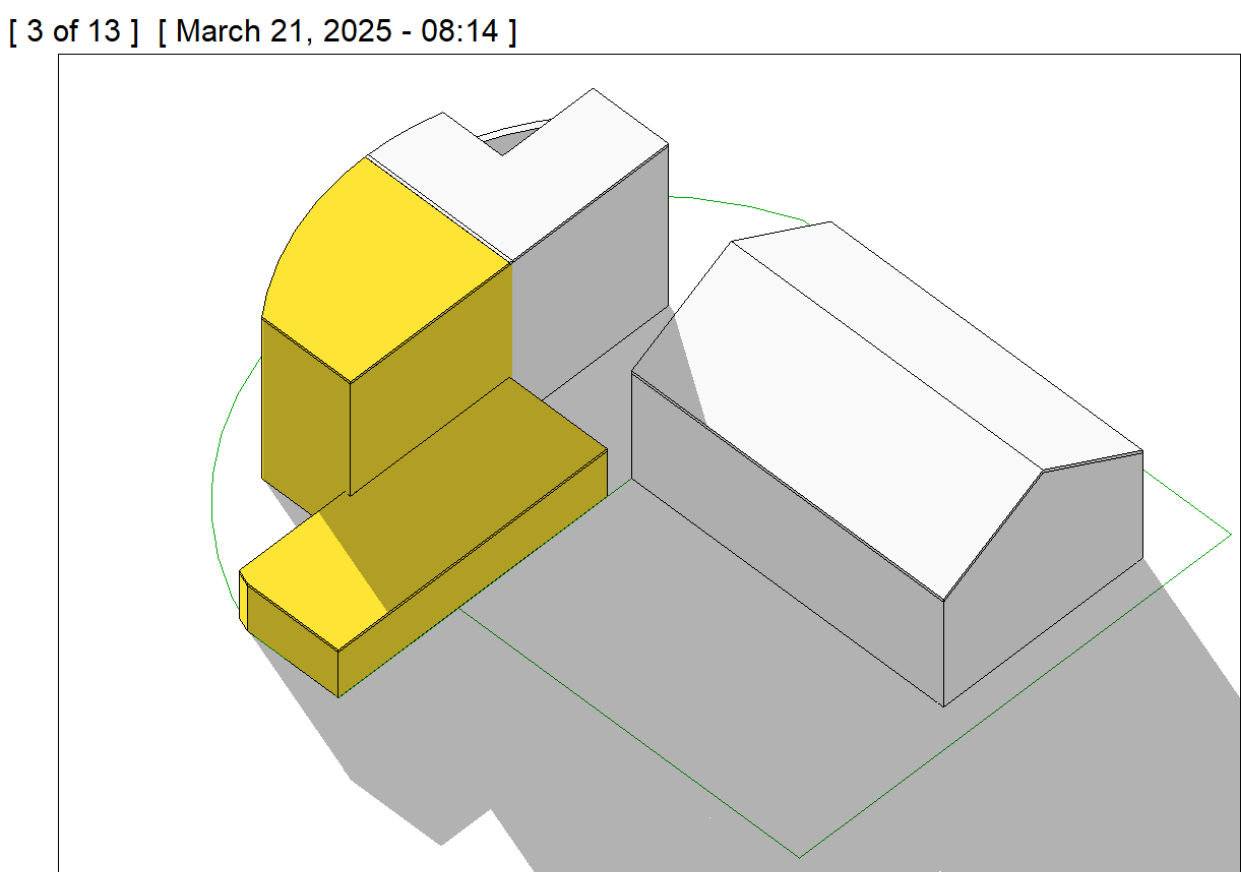
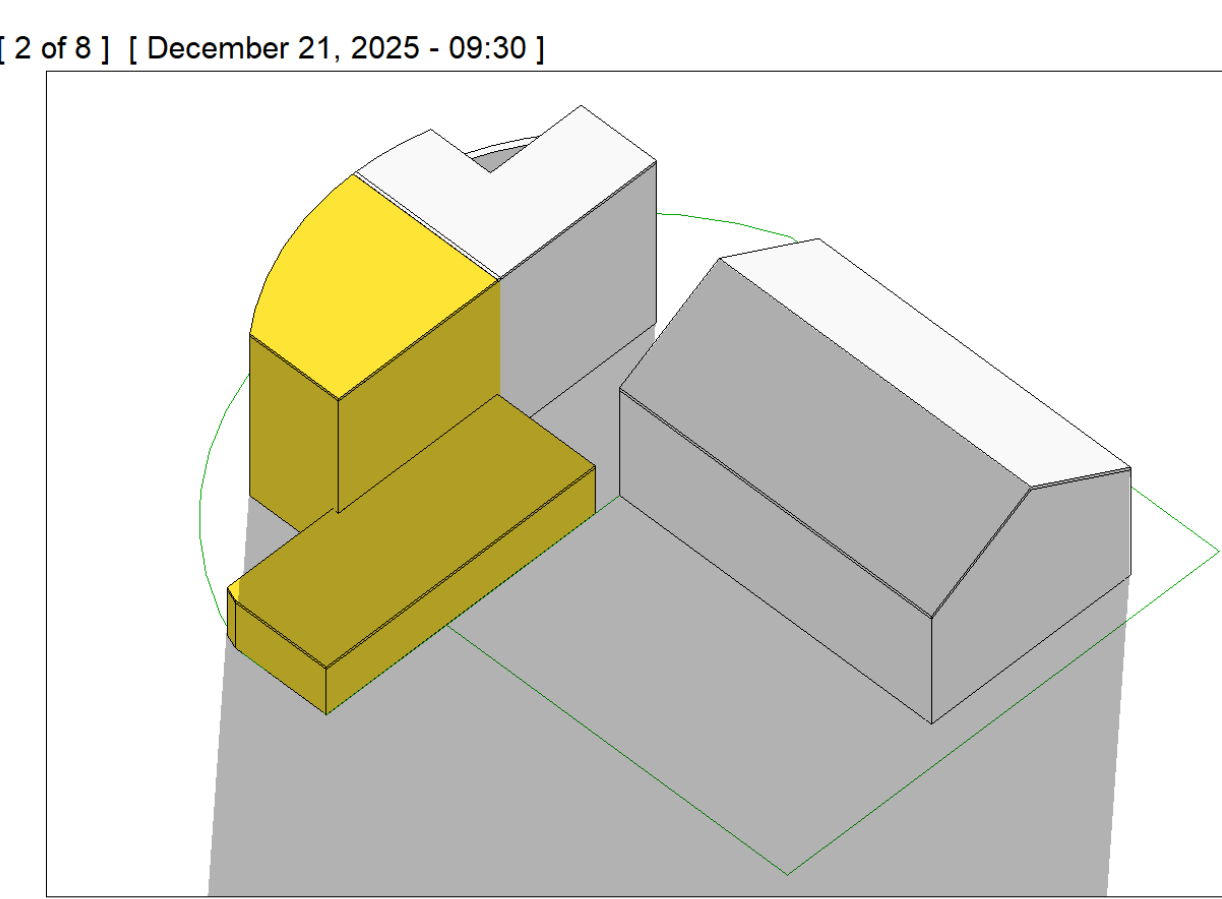
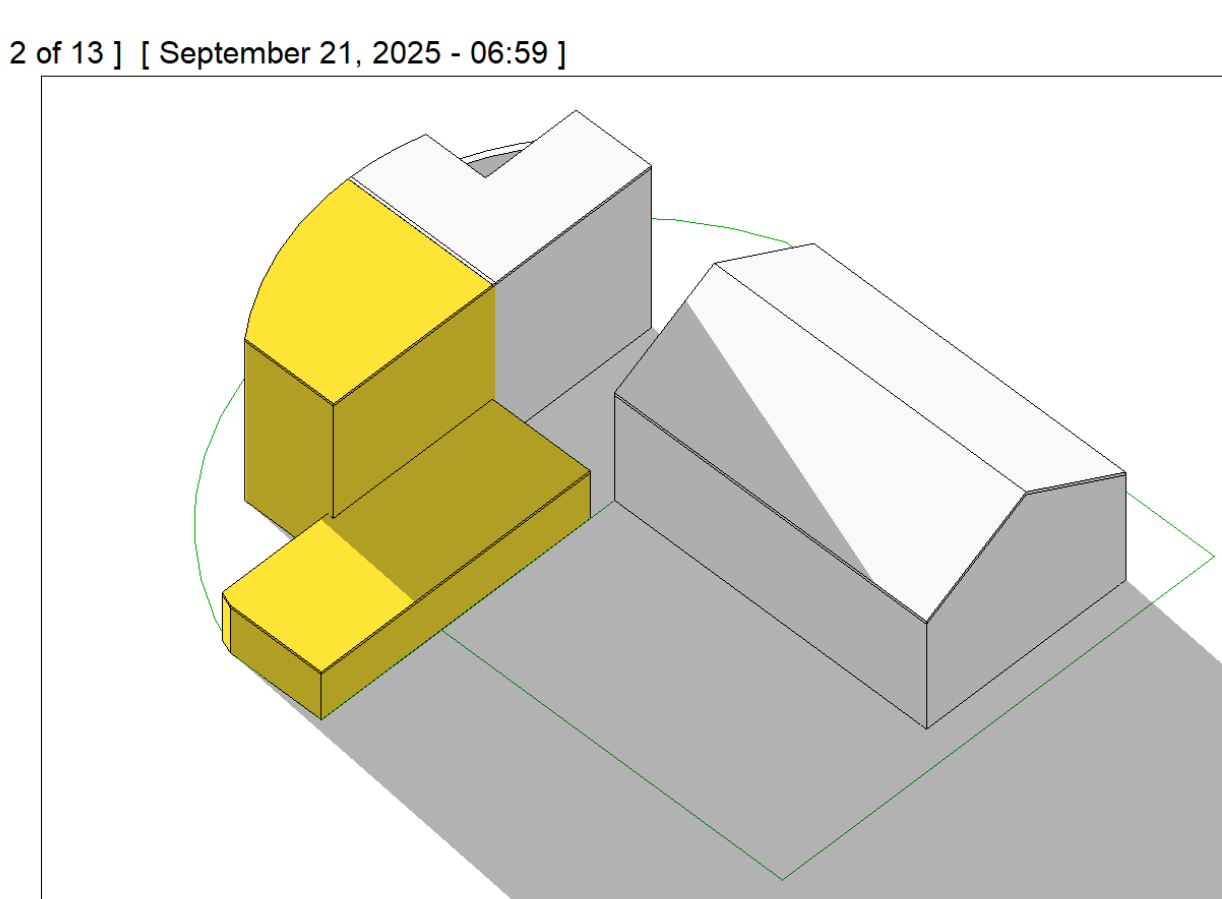
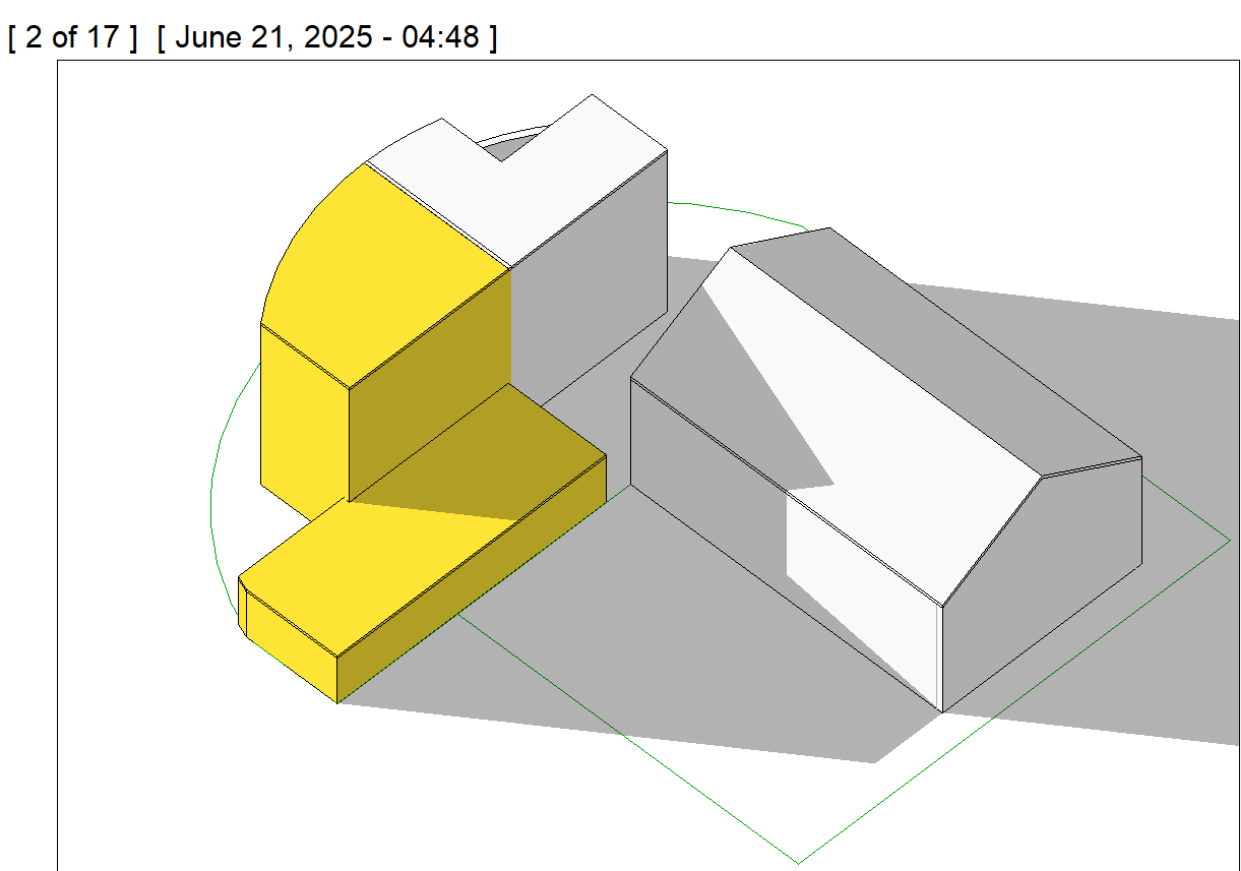
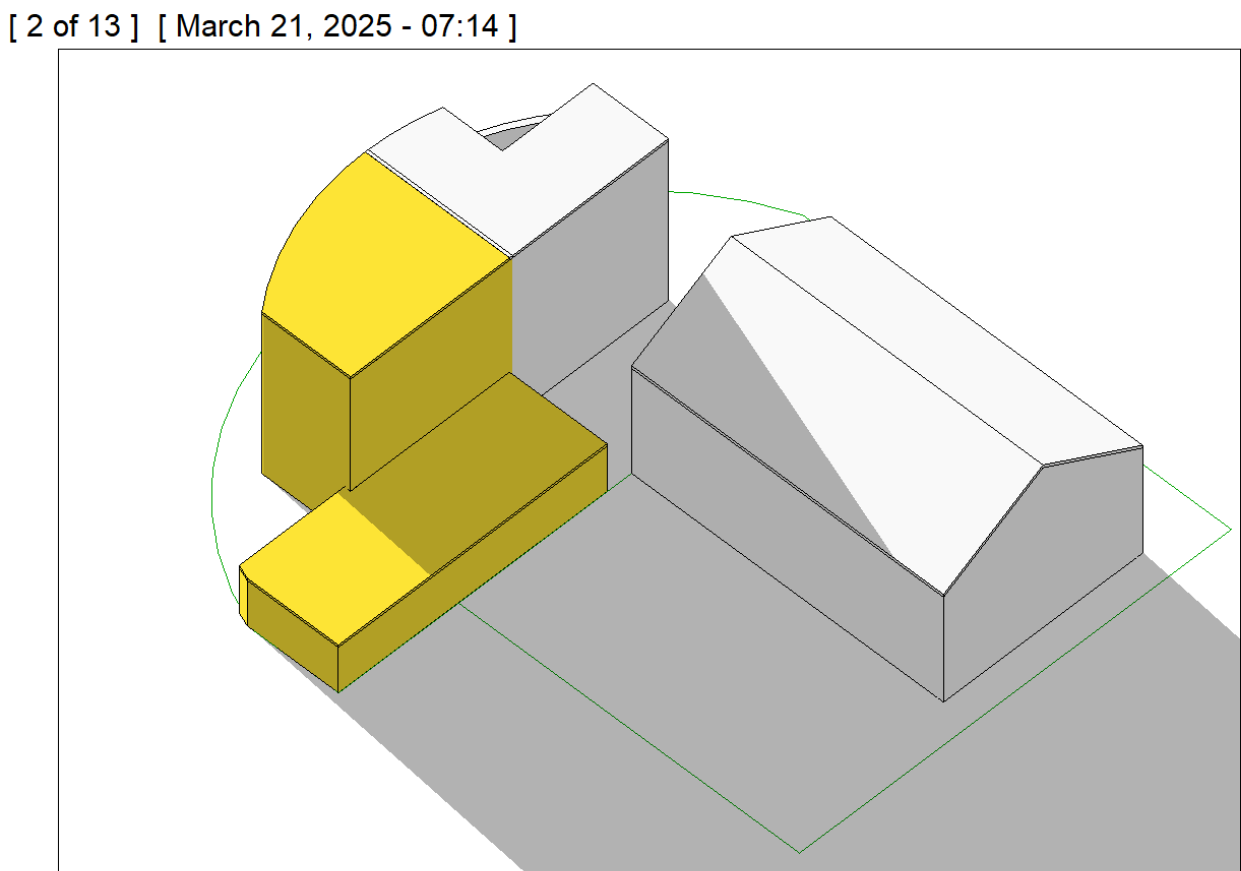
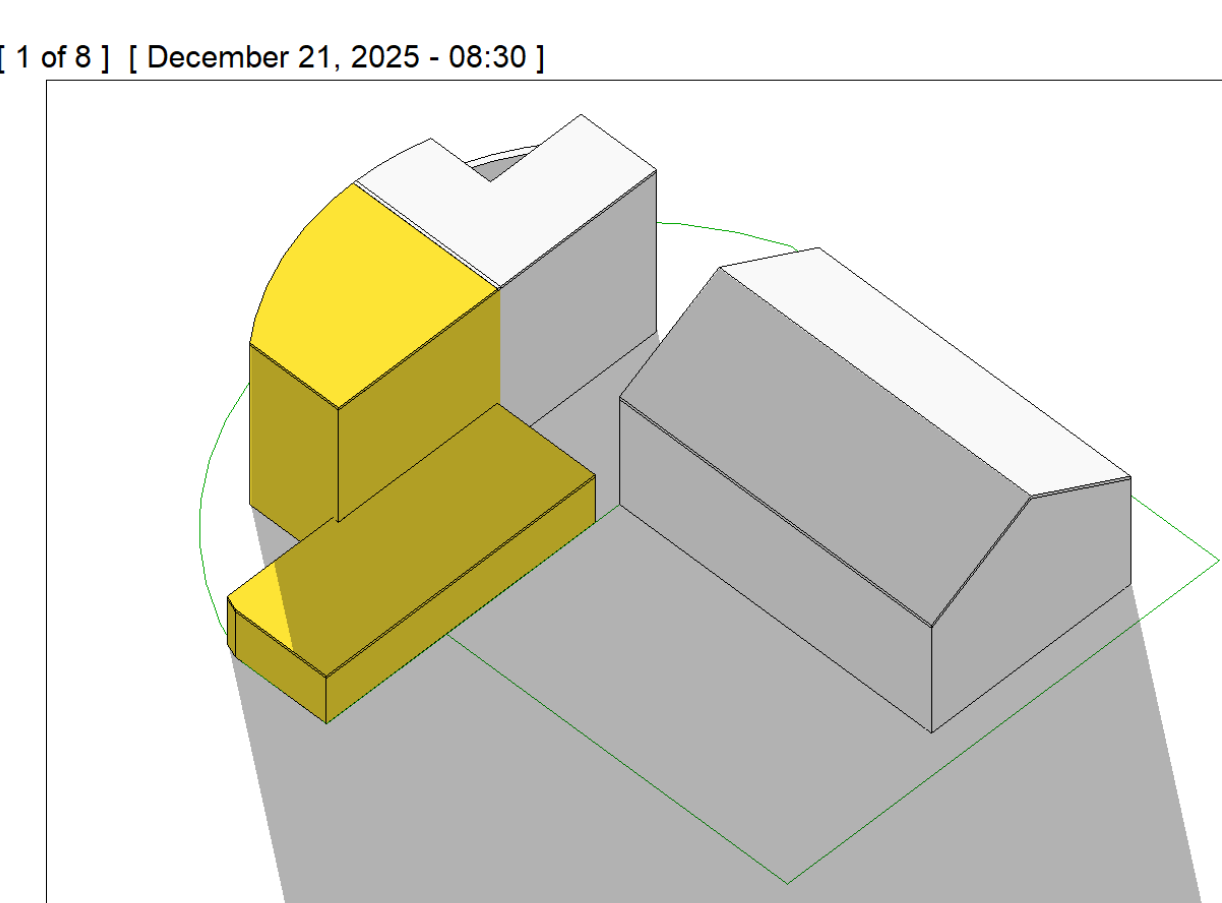
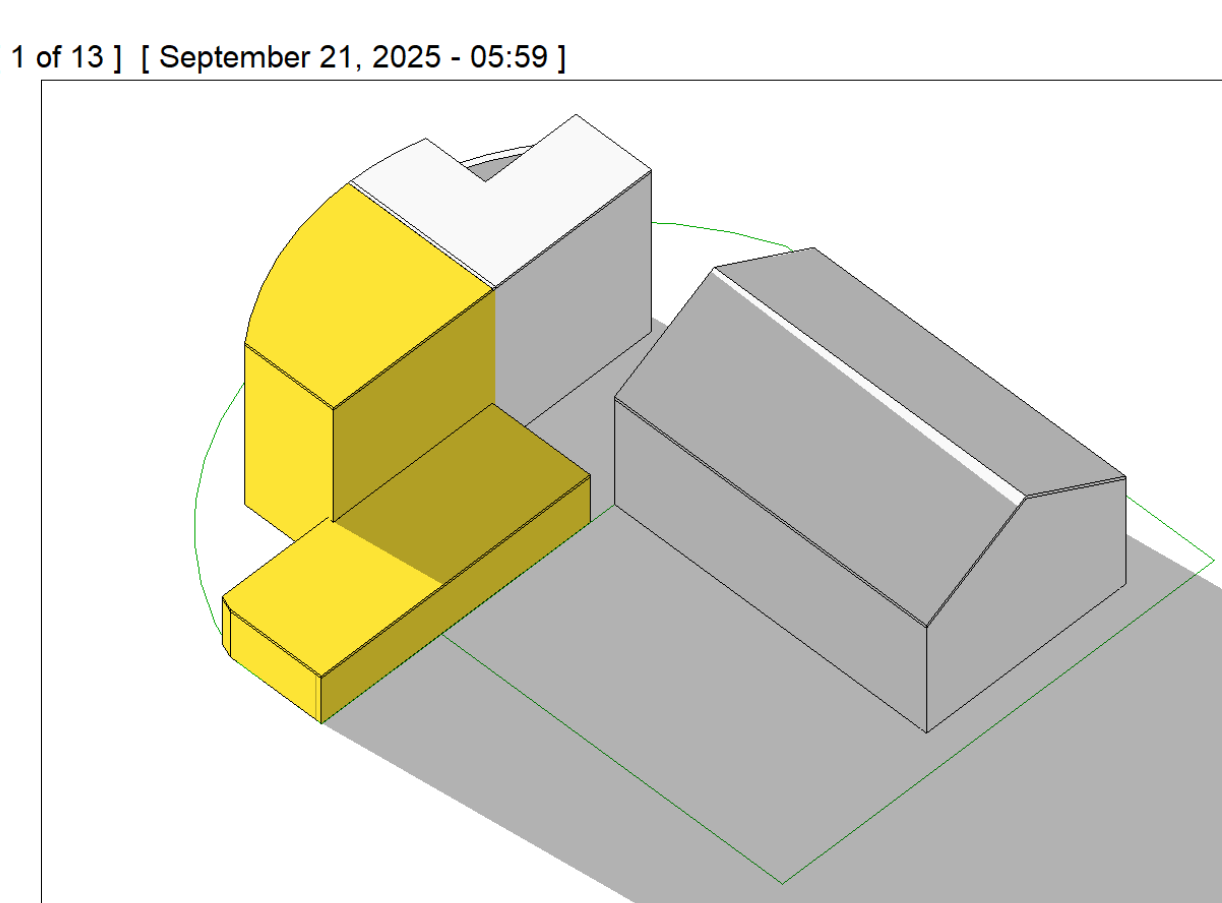
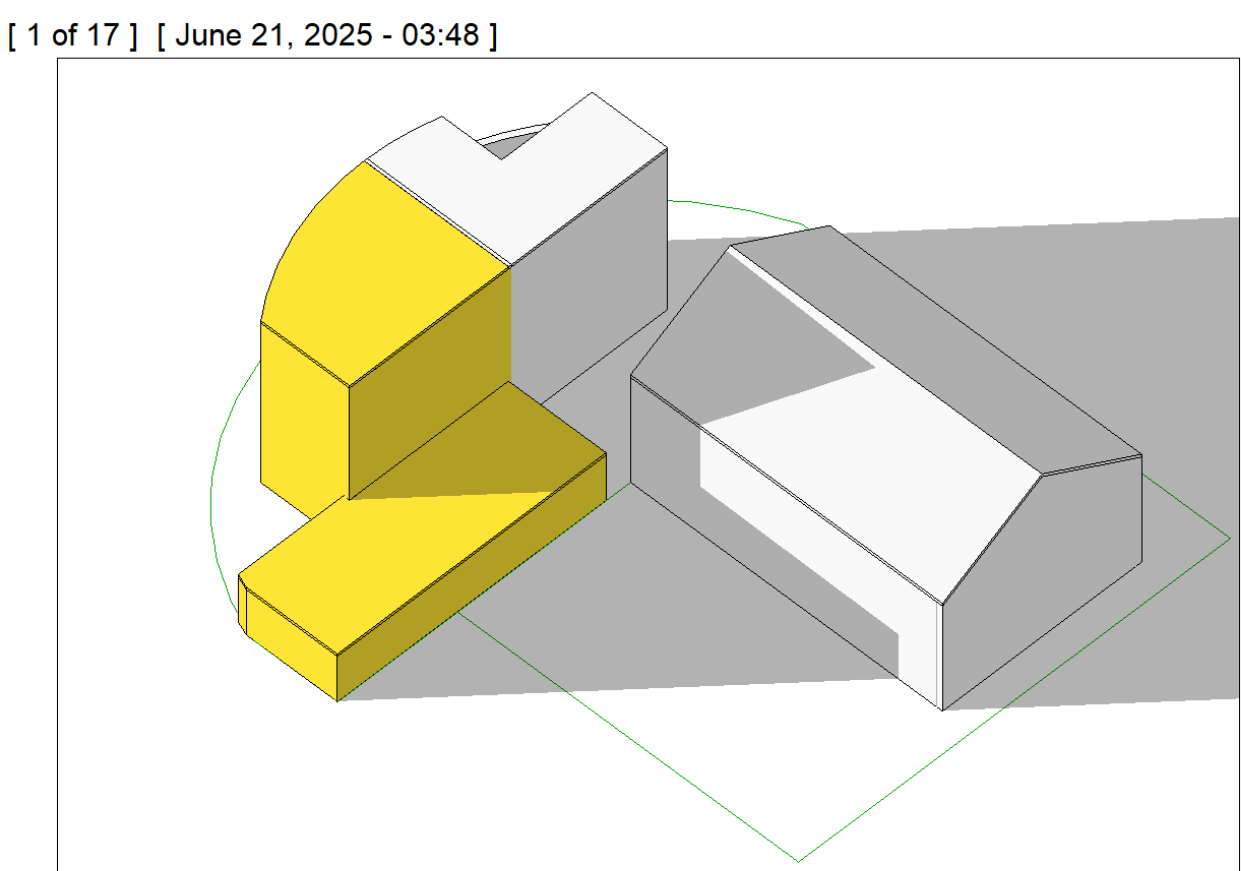
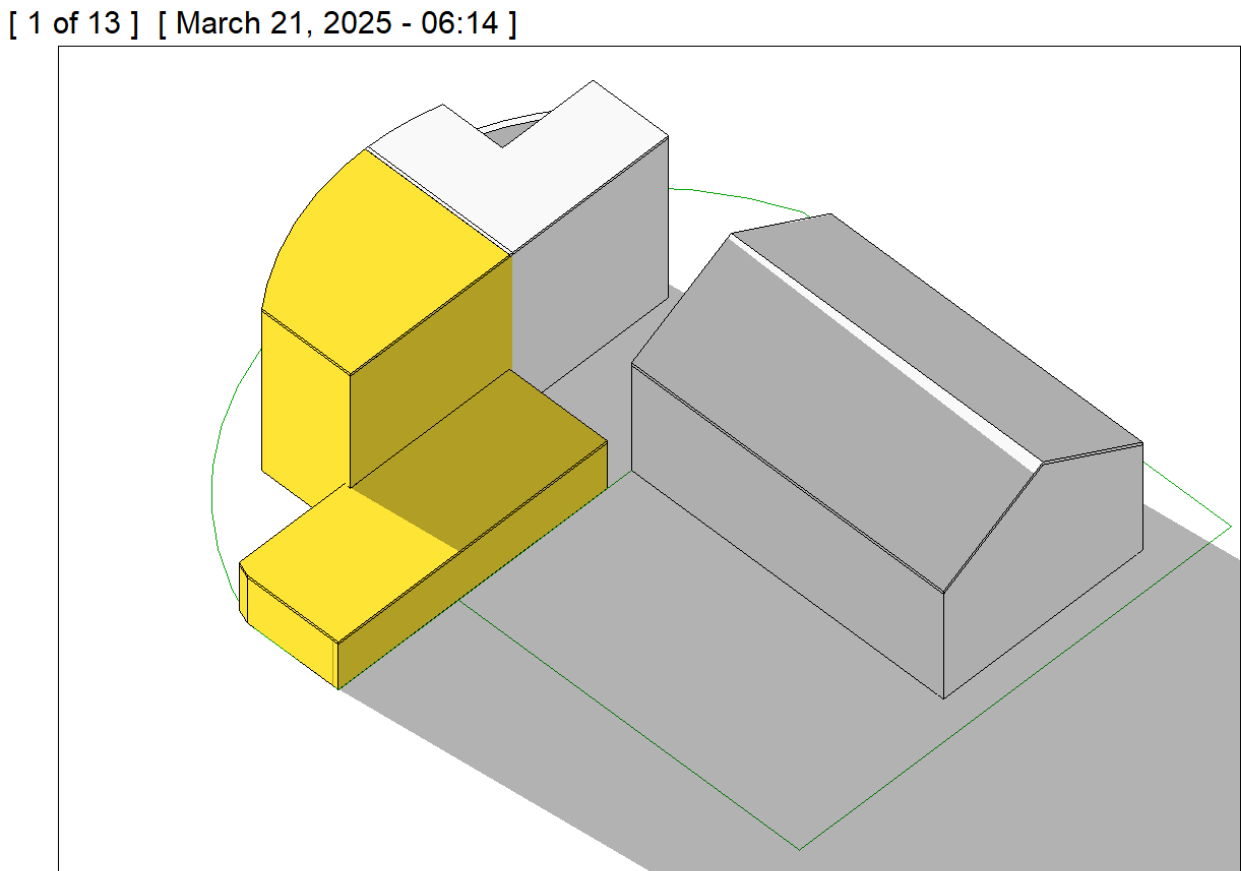


“SOLAR RADIANCE AND SHADOW ANALYSIS”

ERECTION OF SINGLE STOREY EXTENSION AND GARAGE AND
SECOND FLOOR INFILL EXTENSION

49 BILSBORROW RD, MANCHESTER M14 7TH, UK





Proposed Building

Existing Buildings

Shadow Cast by Existing Buildings

Boundary Lines

SPRING EQUINOX: MARCH 21

SUNRISE: 6:14 AM

SUNSET: 6:1 PM

SUMMER SOLSTICE: JUNE 21

SUNRISE: 3:48 AM

SUNSET: 8:34 PM

FALL EQUINOX: SEPTEMBER 21

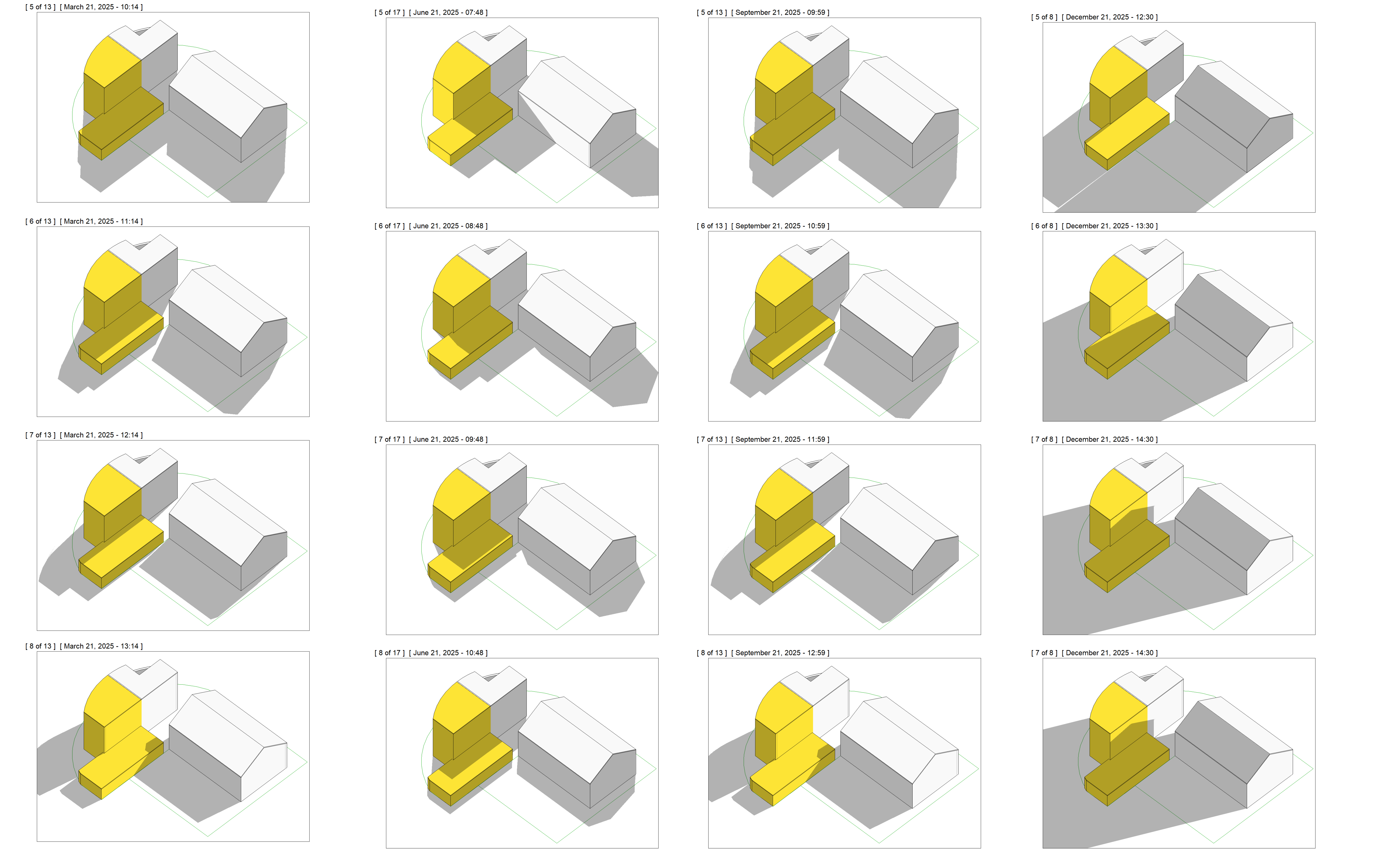
SUNRISE: 5:59 AM

SUNSET: 6:0 PM

WINTER SOLSTICE: DECEMBER 21

SUNRISE: 8:30 AM

SUNSET: 3:44 PM



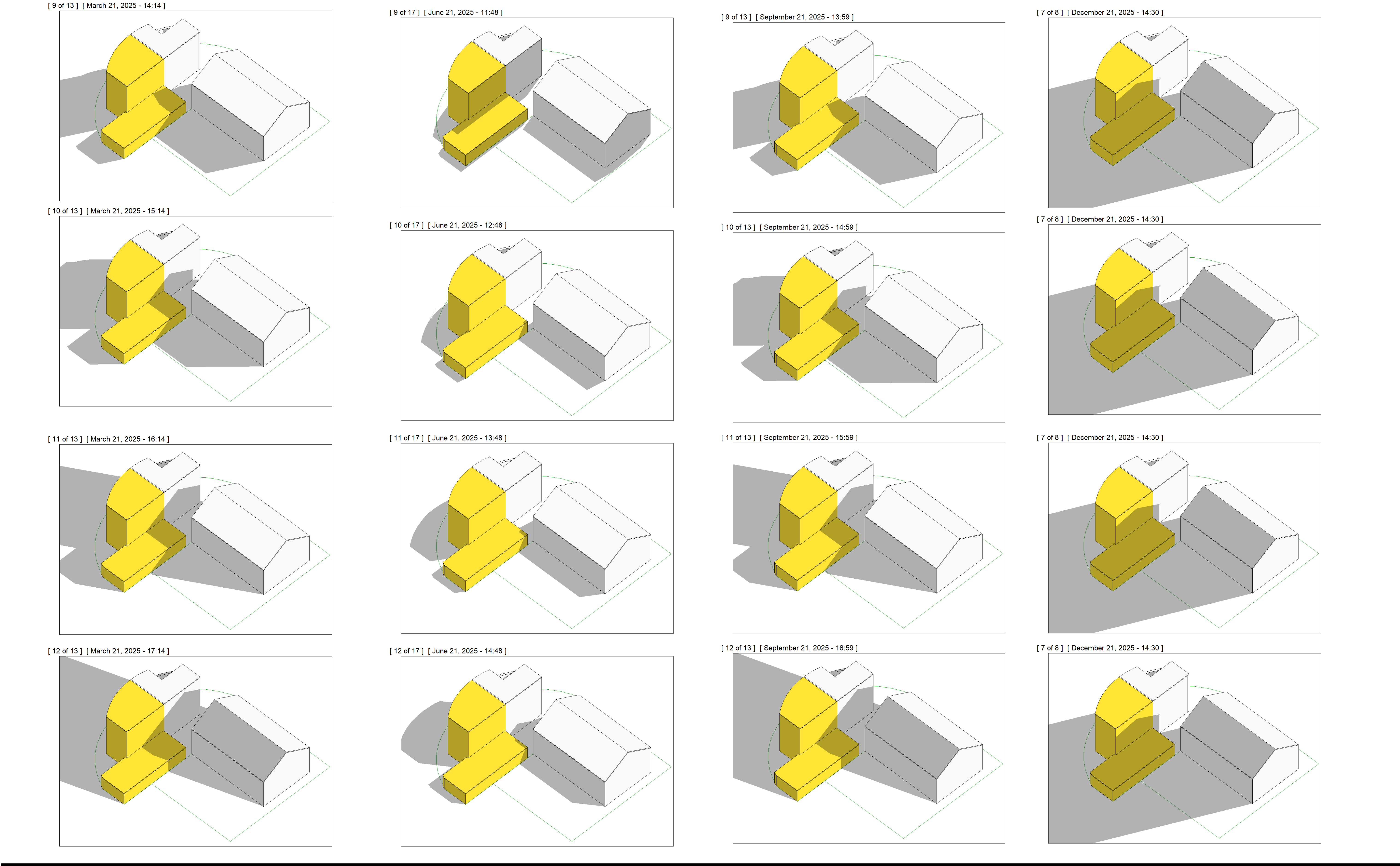
- Proposed Building
- Existing Buildings
- Shadow Cast by Existing Buildings
- Boundary Lines

SPRING EQUINOX: MARCH 21
SUNRISE: 6:11 AM
SUNSET: 6:15 PM

SUMMER SOLSTICE: JUNE 21
SUNRISE: 3:45 AM
SUNSET: 8:30 PM

FALL EQUINOX: SEPTEMBER 21
SUNRISE: 5:56 AM
SUNSET: 6:02 PM

WINTER SOLSTICE: DECEMBER 21
SUNRISE: 8:26 AM
SUNSET: 3:42 PM



- Proposed Building
- Existing Buildings
- Shadow Cast by Existing Buildings
- Boundary Lines

SPRING EQUINOX: MARCH 21
SUNRISE: 6:11 AM
SUNSET: 6:15 PM

SUMMER SOLSTICE: JUNE 21
SUNRISE: 3:45 AM
SUNSET: 8:30 PM

FALL EQUINOX: SEPTEMBER 21
SUNRISE: 5:56 AM
SUNSET: 6:02 PM

WINTER SOLSTICE: DECEMBER 21
SUNRISE: 8:26 AM
SUNSET: 3:42 PM