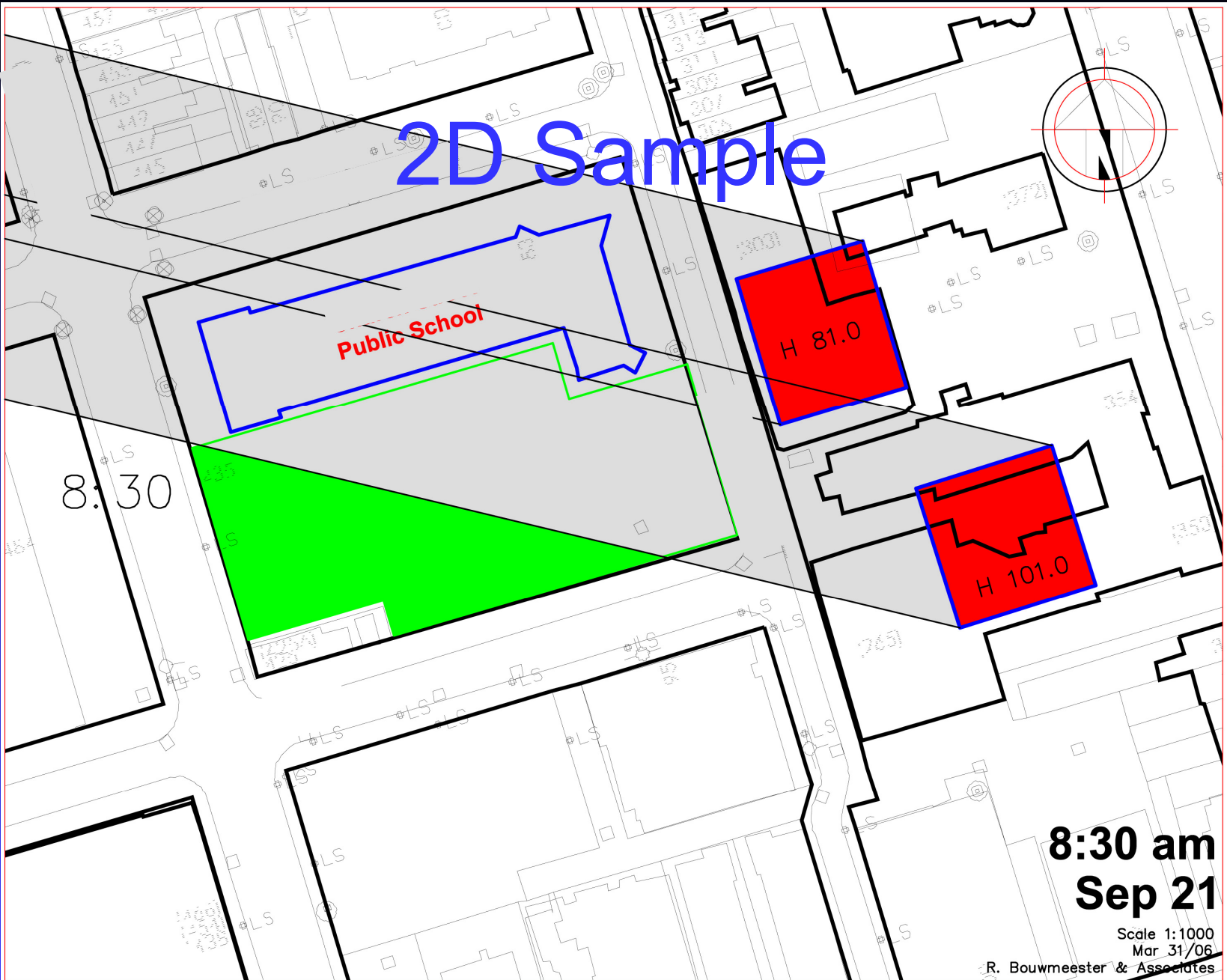


# 2D Sample

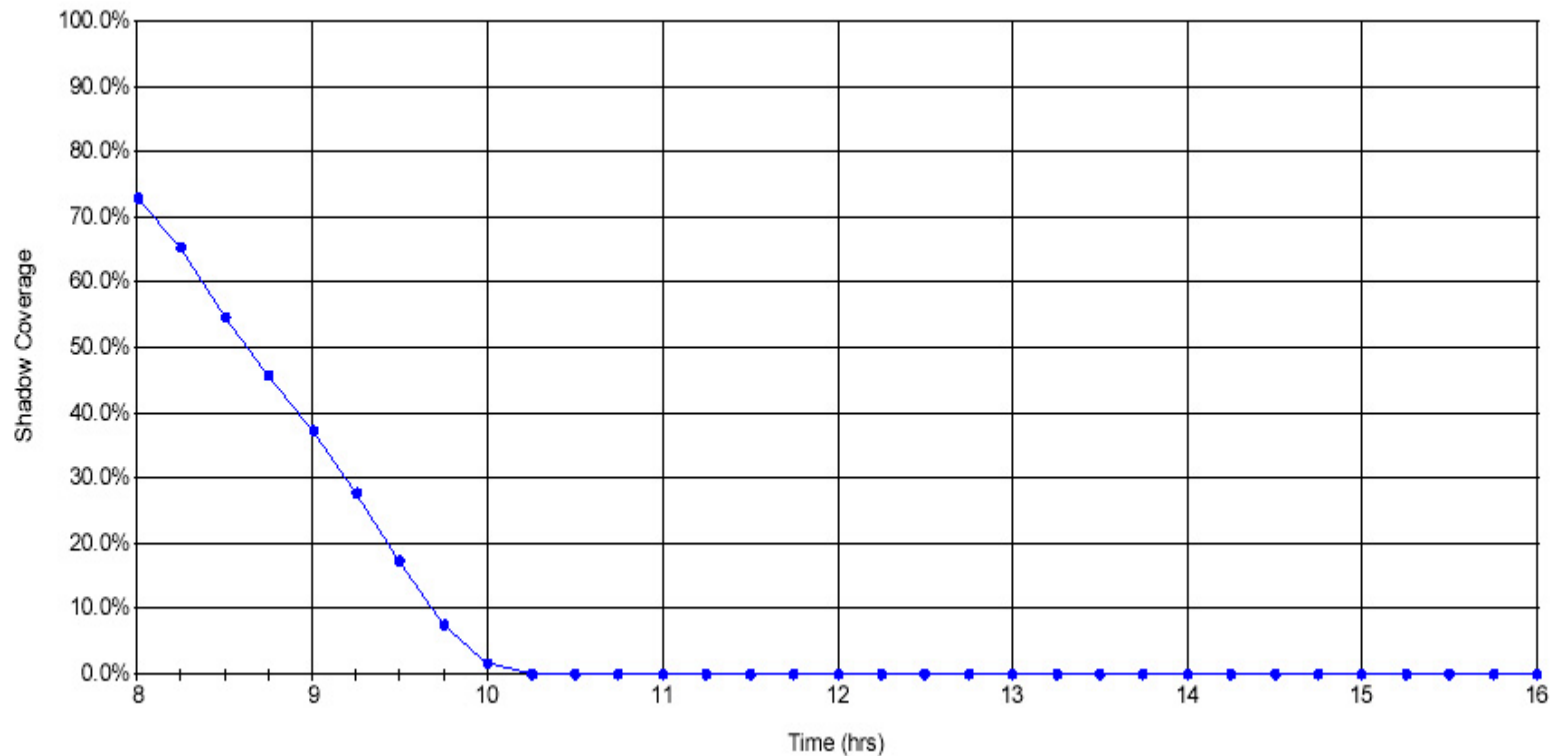


8:30 am  
Sep 21

Scale 1:1000  
Mar 31/06

R. Bouwmeester & Associates

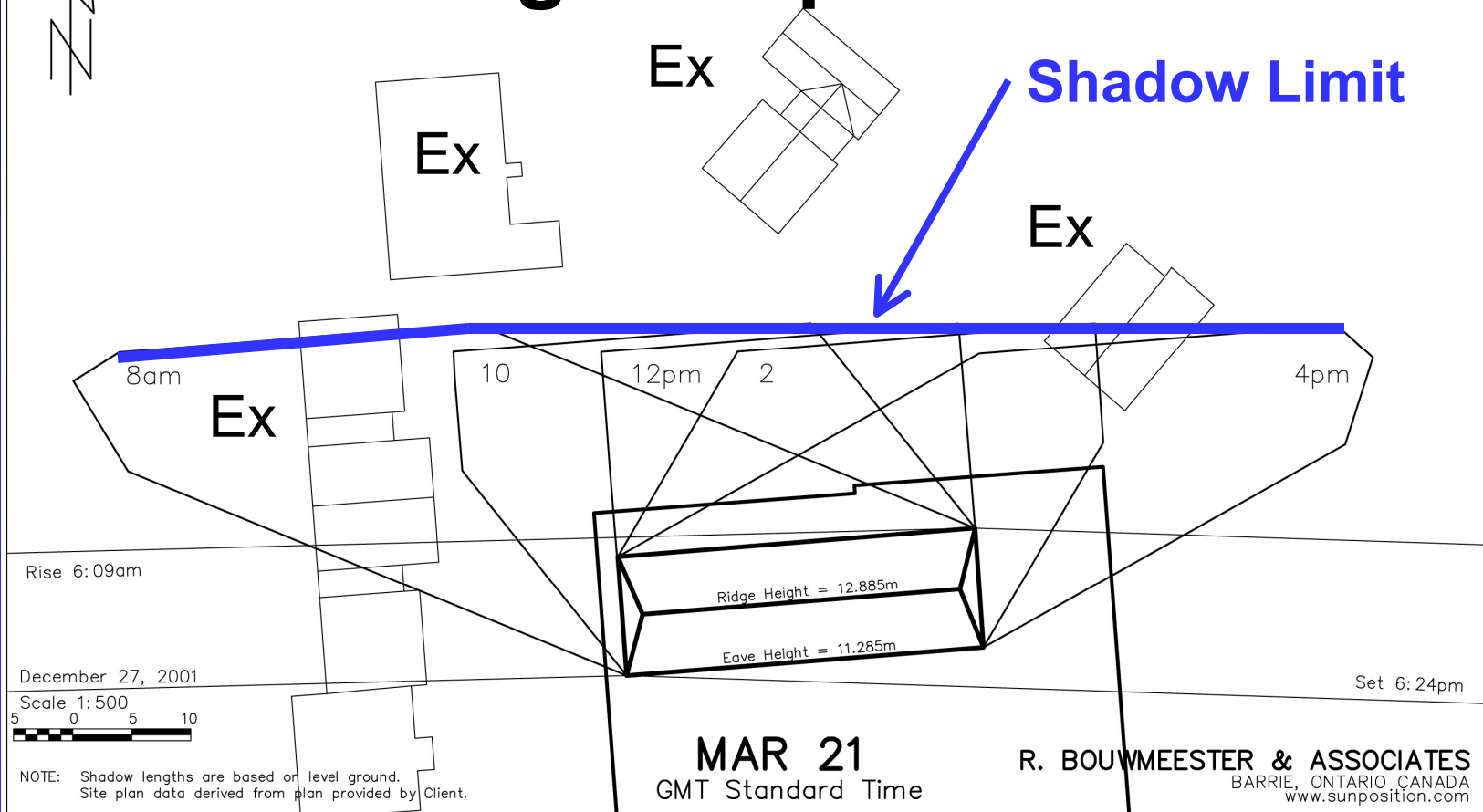
# Percent Coverage vs. Time of Day



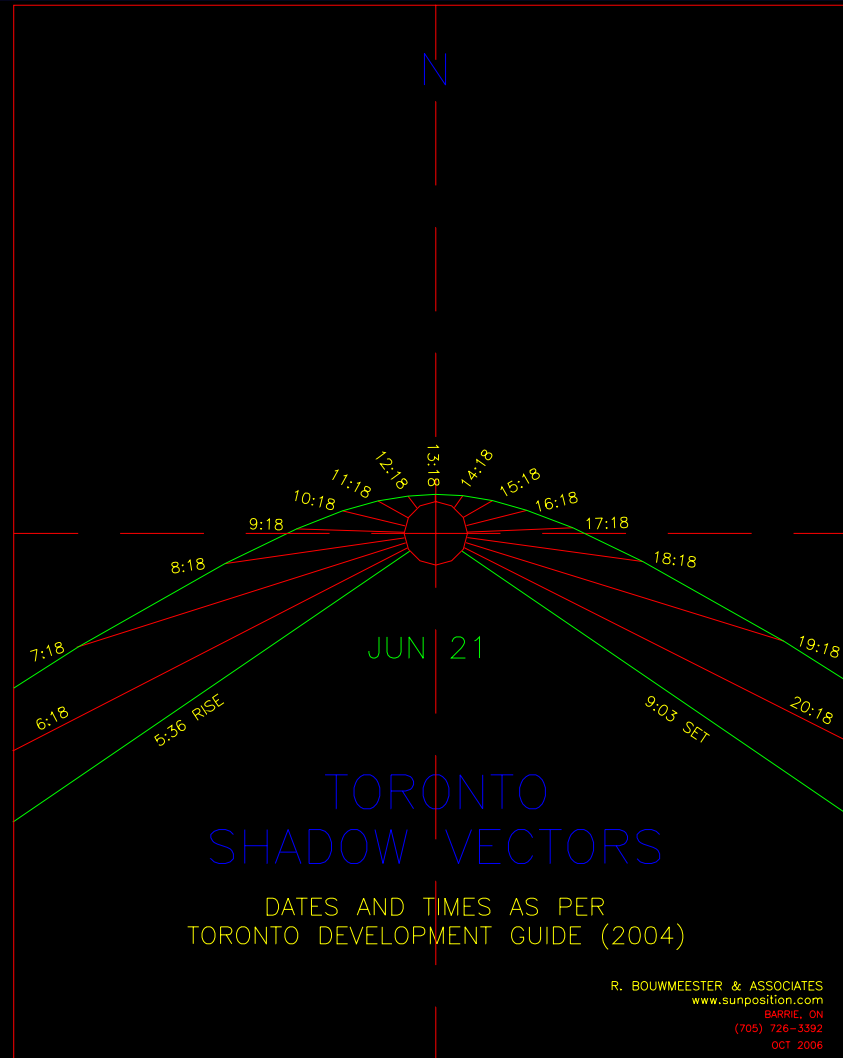
# Proposed Flats – Aberdeen

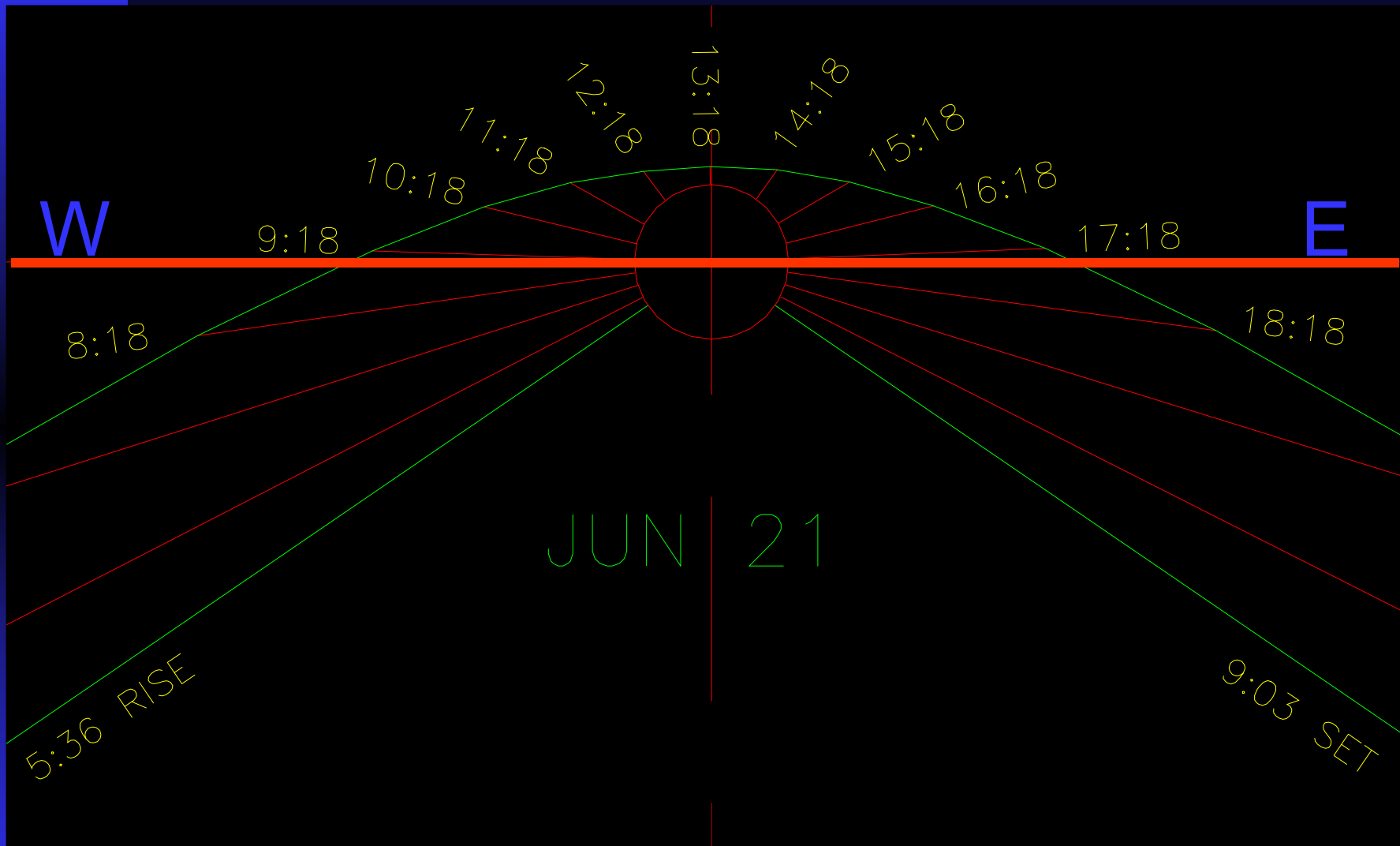
## Simple 2D Vector Drawing

### Showing Multiple Times

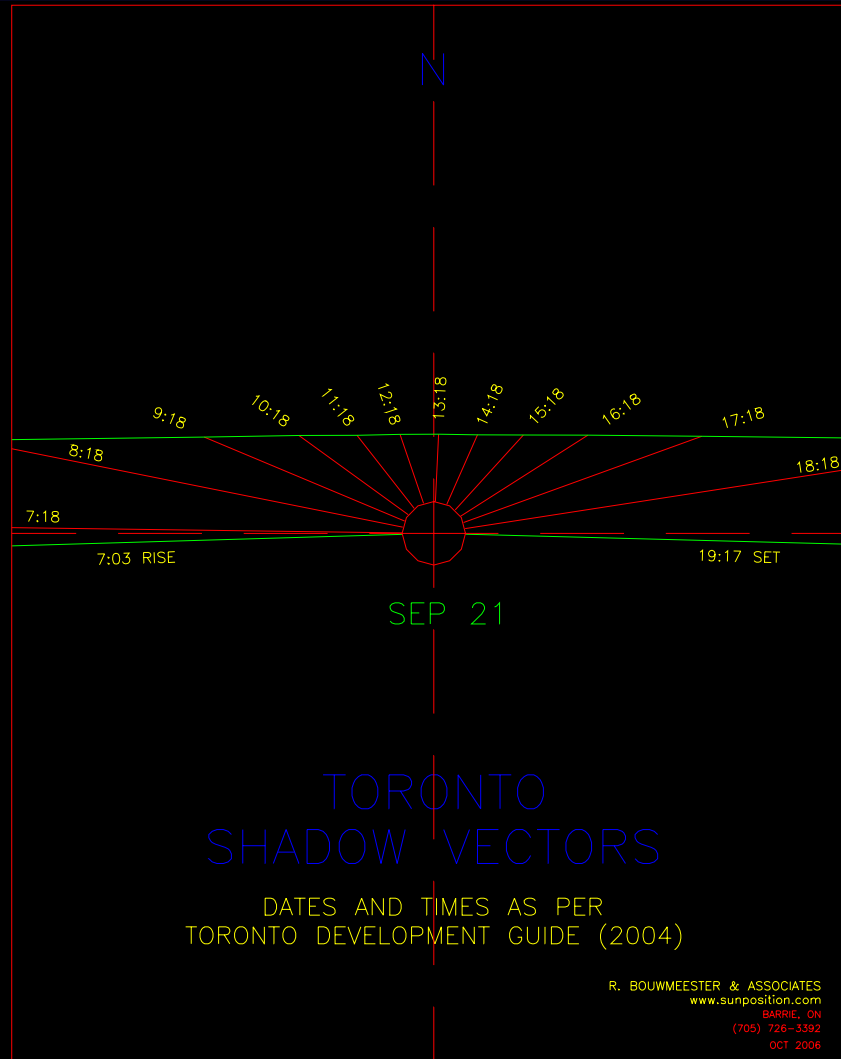


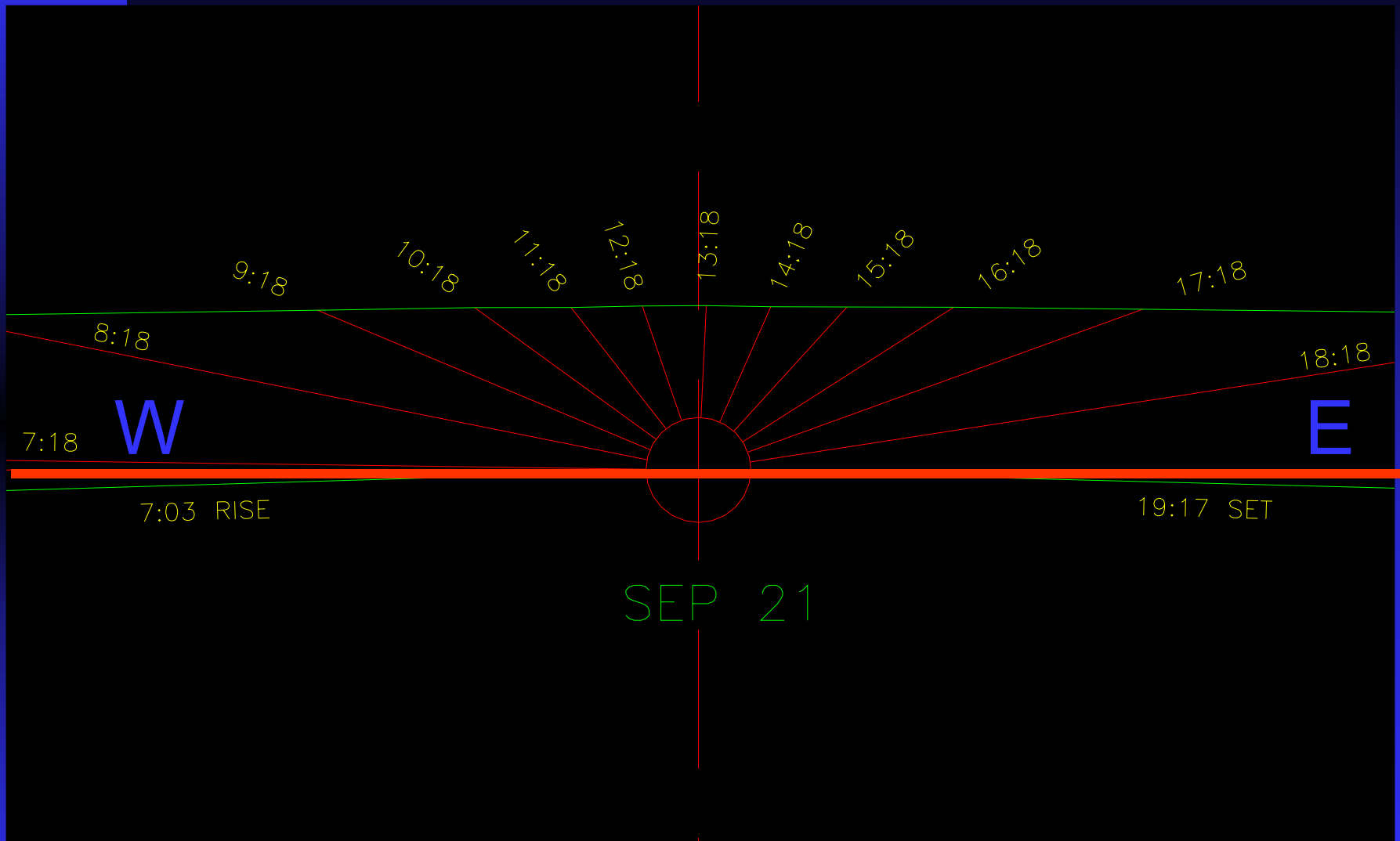
# June Shadow Extent



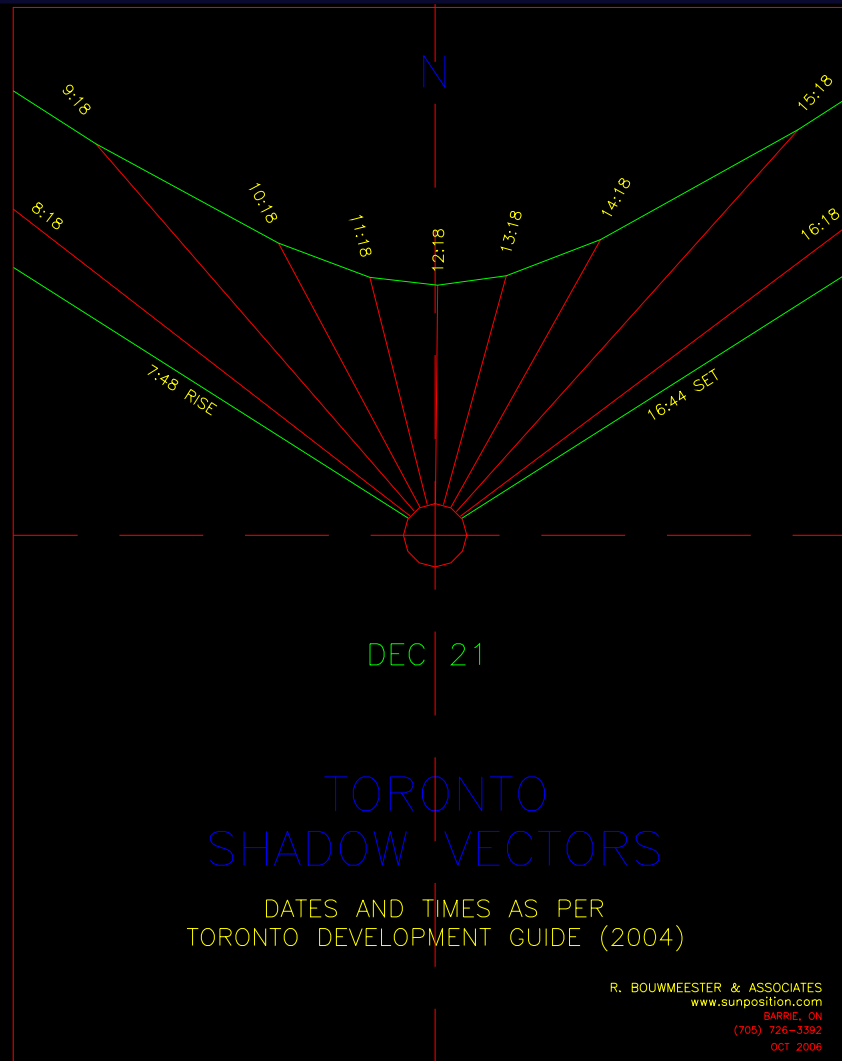


# Sep Shadow Extent

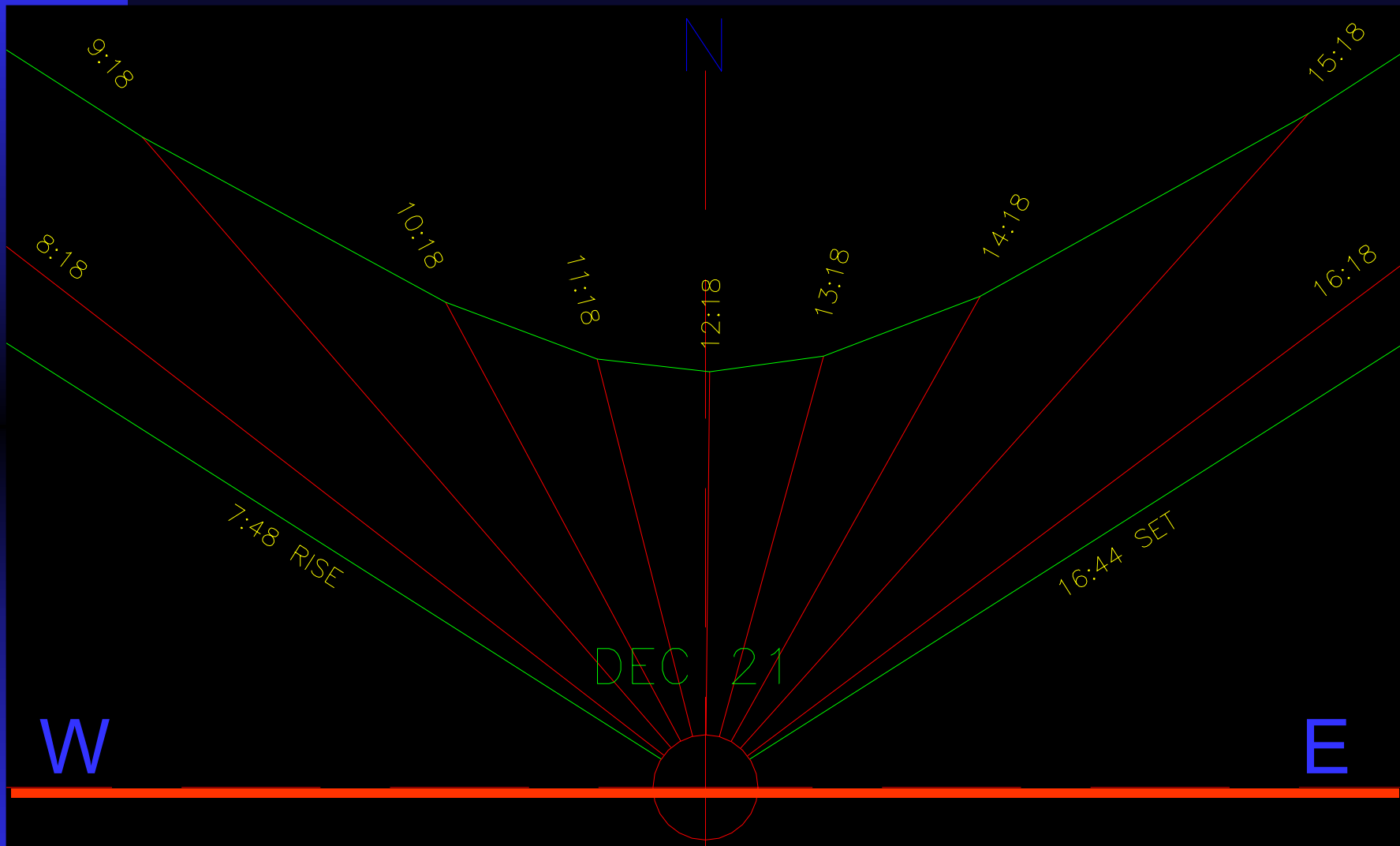




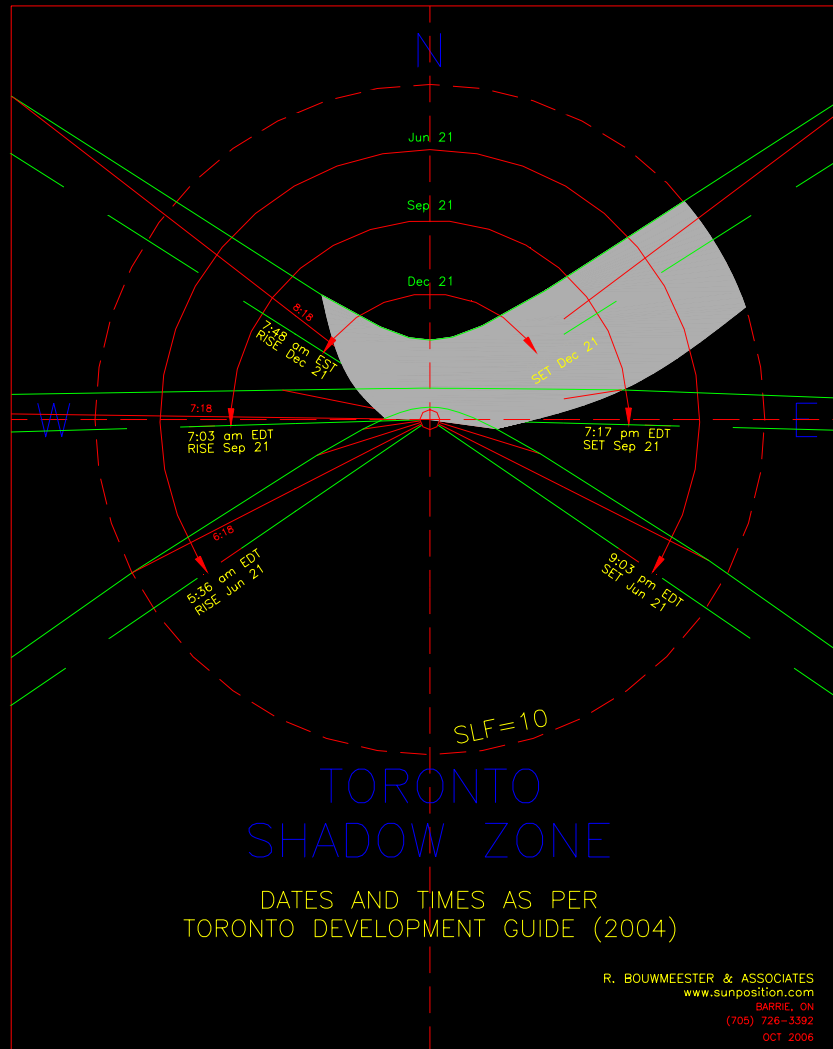
# Dec Shadow Extent







# Composite



N

Jun 21

Sep 21

Dec 21

8:18  
7:48 am EST  
RISE Dec 21

SET Dec 21

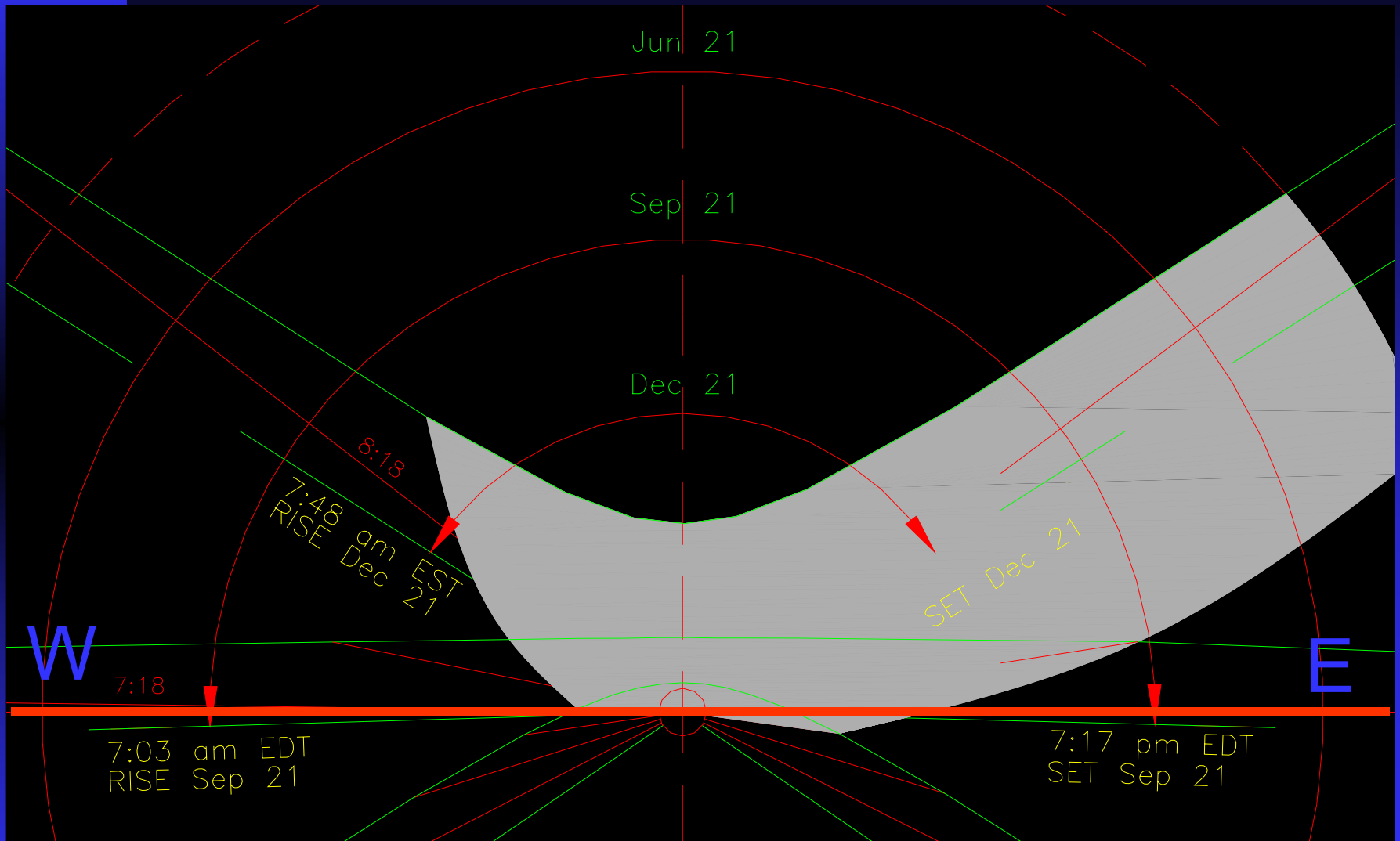
W

7:18

E

7:03 am EDT  
RISE Sep 21

7:17 pm EDT  
SET Sep 21



# Accident Scene

## Stopped School Bus 800 Ft Ahead





# Accident Scene

## Stopped School Bus 400 Ft Ahead





A photograph of a sidewalk and a building with yellow sun position lines overlaid. The lines represent the sun's path at different times: 7:15 pm, 7:30 pm, 7:33 pm, and 7:45 pm. The lines are drawn on the sidewalk and the building's facade. The building is a multi-story structure with a light-colored exterior and several windows. The sidewalk is concrete and runs alongside the building. There are trees and a parking lot in the background.

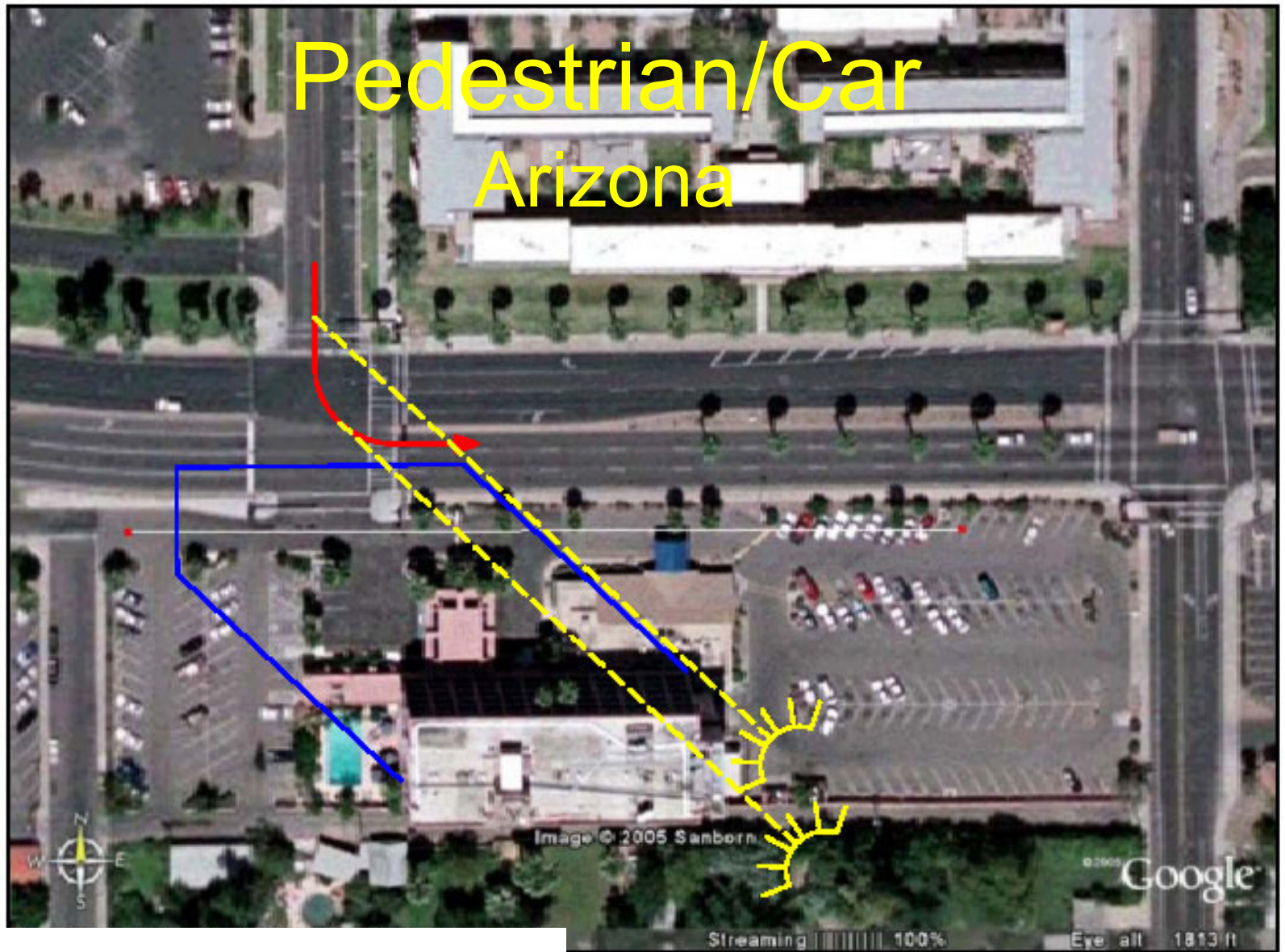
# Trip & Fall Lawsuit Florida

- 7:15 pm
- 7:30 pm
- 7:33 pm
- 7:45 pm

SUN POSITION  
MAY 20, 2000  
(Times in EDT)

Prepared by:  
Ralph Bouwmeester, P. Eng.  
R. Bouwmeester & Associates  
tel/fax (705) 726-3392  
[www.sunposition.com](http://www.sunposition.com)  
February 25, 2003

# Pedestrian/Car Arizona





# Head-on Fatality

## Pennsylvania – 300 Ft





- 200 Ft



- 100 Ft





# Criminal Trial West Virginia

Shadow lines



10-06-99

# Accuracy

## ■ **Model Accuracy**

- ◆ Building Massing
- ◆ Area Context
- ◆ Topography

# Accuracy

## ■ Shadow Accuracy

- ◆ Site Coordinates
- ◆ Site Orientation
- ◆ Time Zone
- ◆ Daylight Time

# THANK YOU

**R. Bouwmeester & Associates**  
**Sun & Shadow Specialists**  
**Barrie, ON (705) 726-3392**  
**[www.sunposition.com](http://www.sunposition.com)**

