

Solar Orientation

The exposure of building facades to the sun is illustrated in **Figure 3.14**. Facades facing south and west have the most solar exposure, while northern and eastern facades will receive limited sunlight.

- Buildings should be designed with an understanding of their relationship to solar orientation.
- Buildings with significant exposure to the sun should incorporate façade treatments that address solar exposure, which can reduce energy expenditures and create more comfortable indoor environments for working and living.
- Buildings with significant exposure to the sun should consider incorporating devices to harvest passive energy.
- Southern and western façades should incorporate elements such as brise-soleil, balconies or loggias to shade against the sun.



FIGURE 3.14 Solar orientation