## PROJECT TEAM

**DEVELOPER**
Opus Northwest, LLC

**TENANT**
Environmental Protection Agency Region 8

**DESIGN ARCHITECT**
Zimmer Gunsul Frasca Architects LLP

**ARCHITECT OF RECORD**
Opus A&E, Inc.

**CONSULTING ARCHITECT**
Shears Adkins Architects, LLC

**TENANT IMPROVEMENT ARCHITECT**
Metropolitan Architects & Planners

**MECHANICAL/ELECTRICAL/PLUMBING**
Syska Hennessy Group, Inc.

**ELECTRICAL ENGINEER**
BCER Engineering, Inc.

**TRAFFIC ENGINEER**
Felsburg, Holt & Ullevig

**BLAST ENGINEER**
Hinman Consulting Engineers, Inc.

**STRUCTURAL ENGINEER**
KPFF Consulting Engineers, Inc.

**SECURITY CONSULTANT**
Kroll, Inc.

**CIVIL ENGINEER**
Martin/Martin Consulting Engineers

**FIRE/LIFE SAFETY/CODE**
Rolf Jensen & Associates, Inc.

USGBC GREENBUILD CONFERENCE TOUR

# EPA Region 8 Headquarters

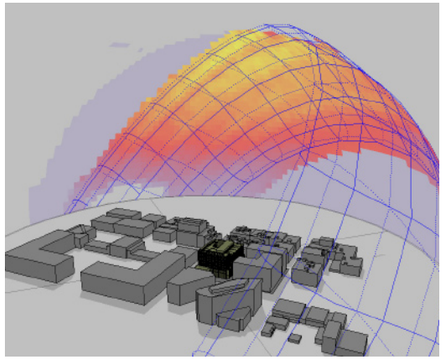
Denver, Colorado

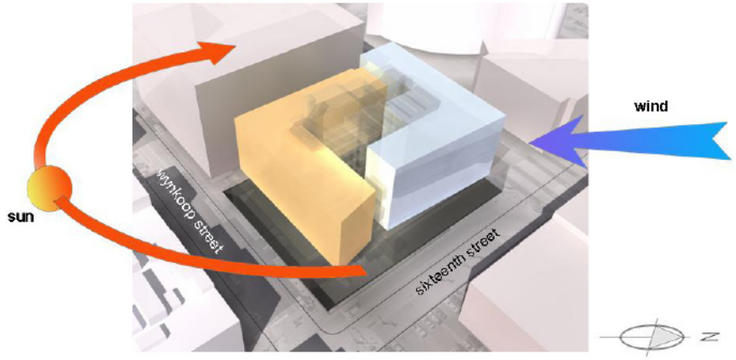
OPUS ZIMMER GUNSUL FRASCA ARCHITECTS LLP


# EPA Region 8 Headquarters

**THE EPA'S MISSION** is to protect human health and the environment. An important goal of the new Region 8 Headquarters' design, construction and operation is to support and demonstrate the EPA's mission, and set an example of environmental stewardship, efficiency and functionality.

**LEED** The new EPA Region 8 Headquarters is Leadership in Energy and Environmental Design® registered, anticipating a LEED Gold rating, and full Energy-Star compliance..




sun
wind
wynkoop street
sixteenth street
N

**ATRIUM**
EPA community
daylighting and r
fl exibility for pr
reduces energy r
that acts as a thermal buf
local seasonal site conditions. This atrium space becomes the “hearth” of
the building, cr
into the heart of the EP
gathering space for the EP
projected glass-enclosed confer
hub of a healthful, open and inviting work envir
daylighting.

**ENERGY USAGE** The building is predicted to have an aggregate energy usage of 47.5 kBtu/(sf-yr), exceeding the ASHRAE 90.1 1999 baseline performance by 39%. The performance is also well below the GSA target of and average 55 kBtu/(sf-yr) for its entire portfolio. The main energy-efficiency design features of the project include:

- Building form that responds to climatic forces to enable maximum daylight penetration
- High-performance glazing and building envelope design
- Daylight redirection and control devices optimized for daylight harvesting coupled with daylight-responsive lighting controls
- Optimized insulation levels
- External solar shading devices
- Energy-efficient lighting and reduced lighting power density
- Occupancy sensors
- Variable-speed drives for chiller and pumps
- Premium-efficiency motors
- Under-floor air distribution
- Air-side economizer
- Demand-controlled ventilation ($CO^2$ monitoring)
- Carbon-monoxide-controlled parking ventilation