

# 2015 Exhibition of School Planning and Architecture

## Carl Sandburg Elementary School

Category: New Construction

Lake Washington School District

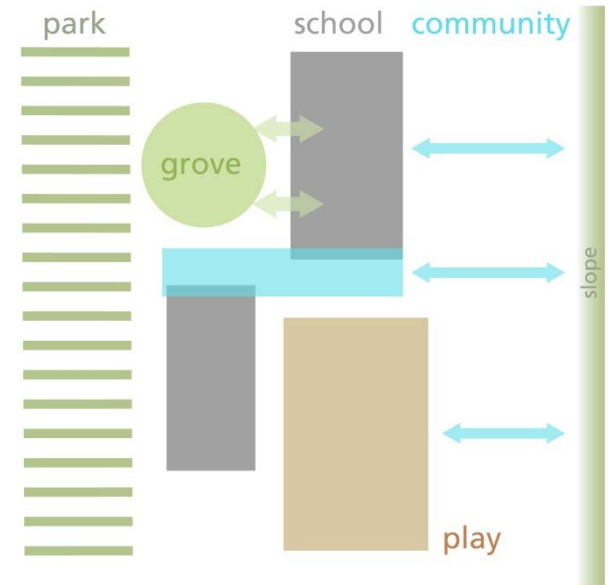
Kirkland, Washington

# Carl Sandburg Elementary School





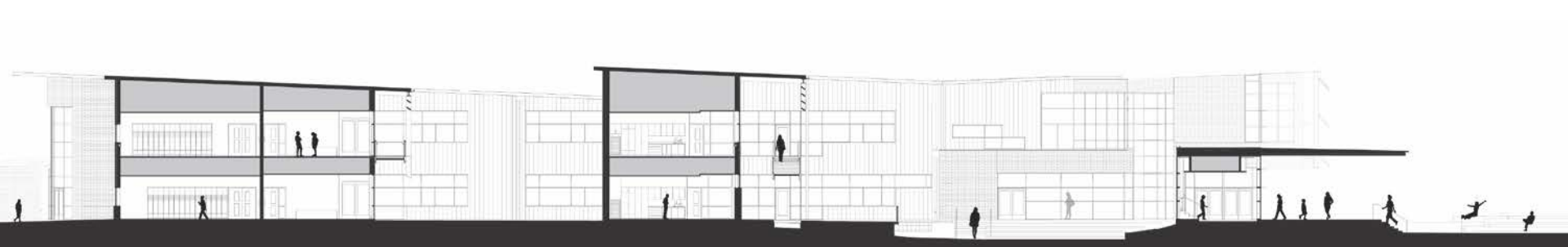
# Site Plan



*The new school wraps around an existing grove of maples, utilizing plazas and rain gardens to integrate with the site and create usable outdoor learning spaces. The evergreen forested area to the southwest has become an extension of the outdoor play space.*

**Community Environment:** *Welcoming lobby connects public and academic parts of the school.*





**Community Environment:** *A grove of existing trees have been transformed into a park like setting, providing an inviting space for exterior education and for the community.*

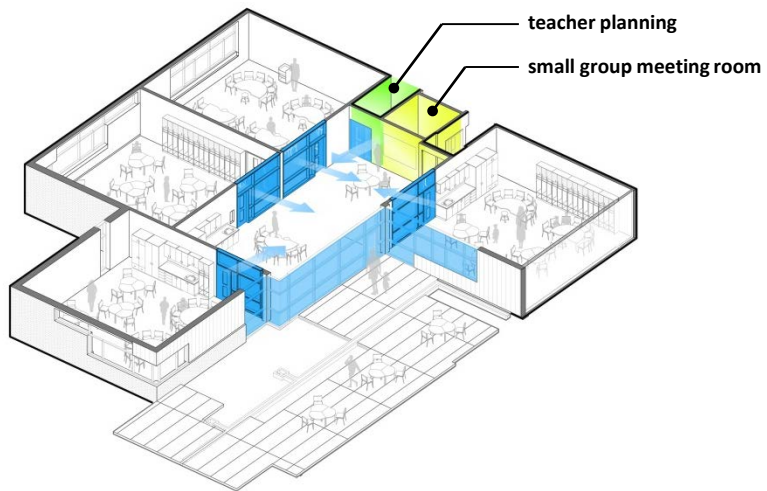
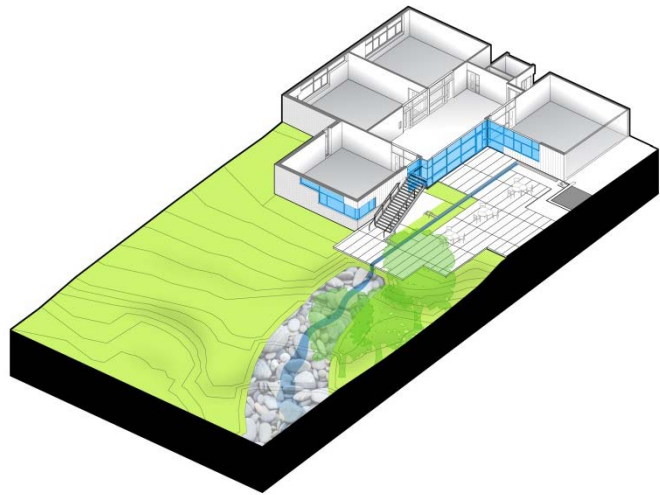
## Learning Environment:

*Shared spaces in the learning pods have strong transparency to the adjacent classrooms and teacher planning areas, as well as a direct connection to outdoor learning.*



## Learning Environment:

*Shared spaces with strong transparencies and connections to outside learning are key parts of classroom clusters.*



## Physical Environment:

*Significant transparency between spaces connects occupants and spaces – linking the entry plaza/play area in the front with the park-like area on the other side of the building.*



## Physical Environment

*Materiality reflects the school's connection with the park like setting. Finishes and daylighting emulate the exterior environment.*



# Planning Process

*The project began with a community input workshop which allowed staff, parents, and community to create goals and participate in a site planning design exercise. The interactive and iterative design process continued with a school/neighborhood based design committee that met approximately a dozen times.*

*We've found that this interactive process makes people feel like they are co-authors in the design of the facility.*

*Some of the key goals resulting from this process were:*

- *Celebrate the poetry of Carl Sandburg, the school's namesake.*
- *Expand and improve on the park-like feel of the site – make the entire site educational.*
- *Create dynamic educational spaces, both inside and outside the building that allow students to learn in a variety of ways.*



# Planning Process

Goal: ***Express the environmental commitment of the school on the exterior***

*A 10kW photovoltaic array in conjunction with horizontal and vertical fins shade the Library*

Goal: ***Establish a civic presence through a welcoming plaza that includes a covered waiting area***





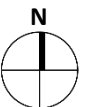


### Learning Neighborhoods



### Second Floor

- 1 Administration
- 2 Art/Science
- 3 Classrooms
- 4 Shared Learning Area
- 5 Educational Support
- 6 Multi-purpose/Gym
- 7 Library



# Exhibition of School Planning and Architecture

## Project Data

Submitting Firm :	NAC Architecture
Project Role	Architect
Project Contact	Matthew W. Rumbaugh, AIA, LEED AP
Title	Principal Architect
Address	2025 First Avenue Suite 300
City, State or Province, Country	Seattle, Washington 98121
Phone	206.441.4522

Joint Partner Firm:	
Project Role	
Project Contact	
Title	
Address	
City, State or Province, Country	
Phone	

Other Firm:	
Project Role	
Project Contact	
Title	
Address	
City, State or Province, Country	
Phone	

Construction Firm:	SpeeWest
Project Role	General Contractor
Project Contact	Chris Christiansen
Title	Project Manager
Address	307 Bell Street #101
City, State or Province, Country	Edmonds, WA 98020
Phone	206.284.7733

# Exhibition of School Planning and Architecture

## Project Details

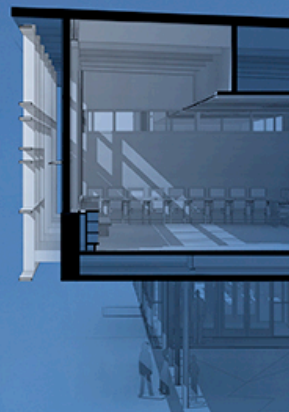
<b>Project Name</b>	Carl Sandburg Elementary School
<b>City</b>	Kirkland
<b>State</b>	Washington
<b>District Name</b>	Lake Washington School District
<b>Supt/President</b>	Dr. Traci Pierce, Superintendent
<b>Occupancy Date</b>	September 2012
<b>Grades Housed</b>	K-5
<b>Capacity(Students)</b>	600 students
<b>Site Size (acres)</b>	10.42 acres
<b>Gross Area (sq. ft.)</b>	66,580 GSF
<b>Per Occupant(pupil)</b>	111 GSF/pupil
<b>gross/net please indicate</b>	Gross
<b>Design and Build?</b>	N/A
<b>If yes, Total Cost:</b>	
<b>Includes:</b>	
<b>If no,</b>	
<b>Site Development:</b>	\$2,794,726
<b>Building Construction:</b>	\$18,926,185
<b>Fixed Equipment:</b>	N/A
<b>Other:</b>	N/A
<b>Total:</b>	\$21,720,911

# Sustainability speaks to the community

*Solar shading studies for the south façade – multiple layers of shading elements combine to optimize visibility, shading, and power generation*



Showing Added  
Storefront Fins



Showing Added  
PV Structure



Showing Added  
PV Panels









## Sustainability is integrated in the learning environment

*Storm water movement and treatment activate this “educational park.”*

*Transformation of the existing grove of trees into an educationally rich “park” enables teachers to teach environmental topics outside.*

