

2013 Exhibition of School Planning and Architecture

Carl Sandburg Elementary School

Kirkland, Washington

Carl Sandburg Elementary School



Site Plan



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 extend throughout the academic wing, taking advantage of the two story volumes to provide quality daylighting and opportunity for serendipitous connections.



Brisolei and balconies provide shading for the shared learning areas, enhancing the visual connection to the outside.



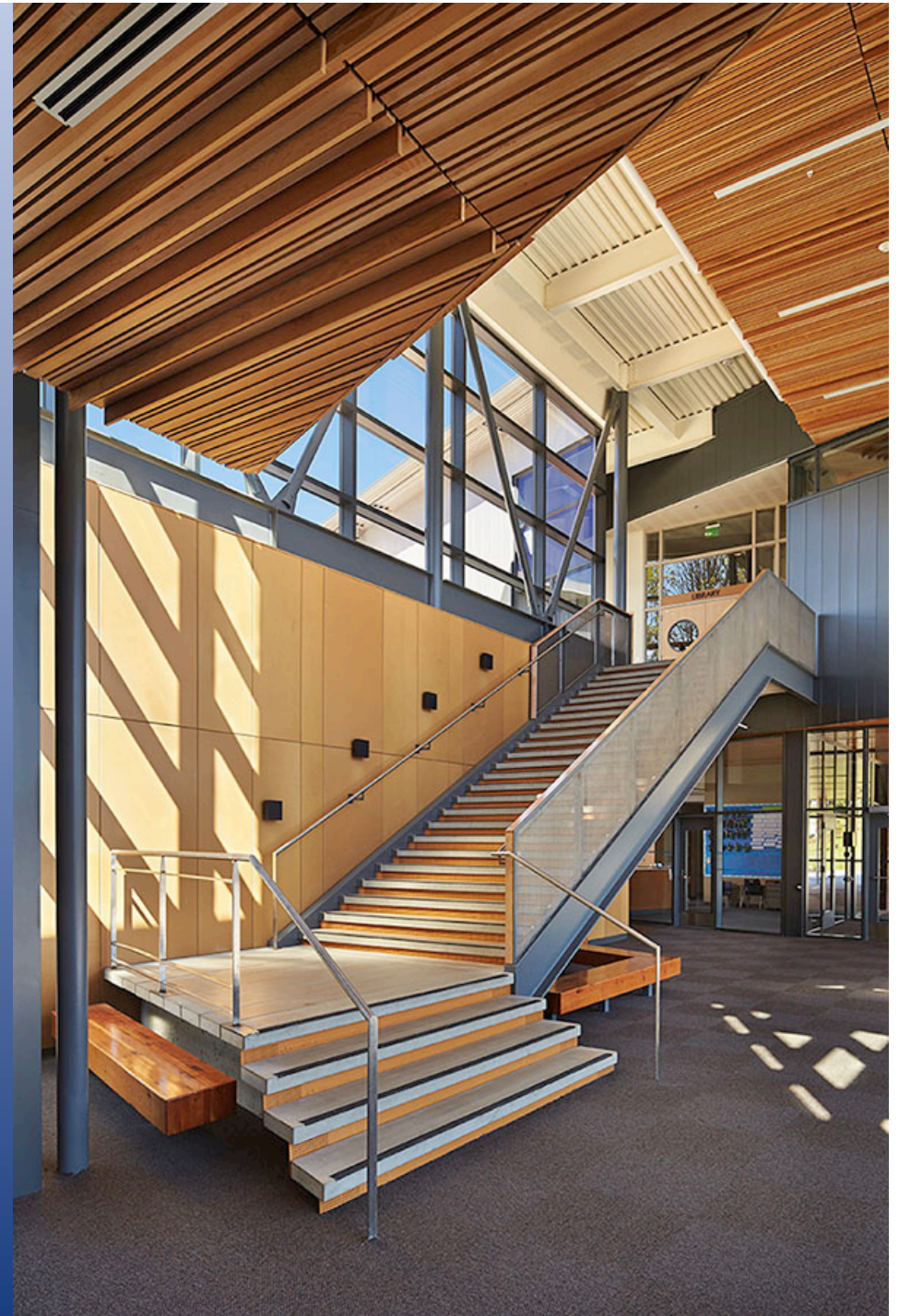
Physical Environment:

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.*

The front entry lobby is anchored by a colorful glass wall with glass “bubbles” and the text of Sandburg’s poem about bubbles. The steps of the outdoor amphitheater are etched with a poem about the power of nature.

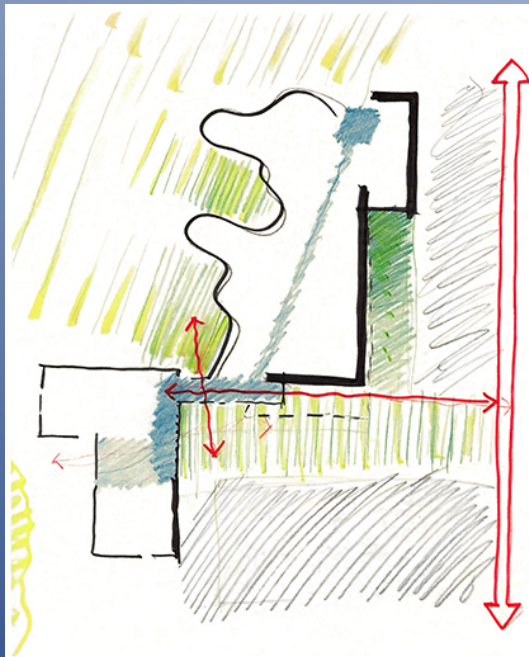


Planning Process

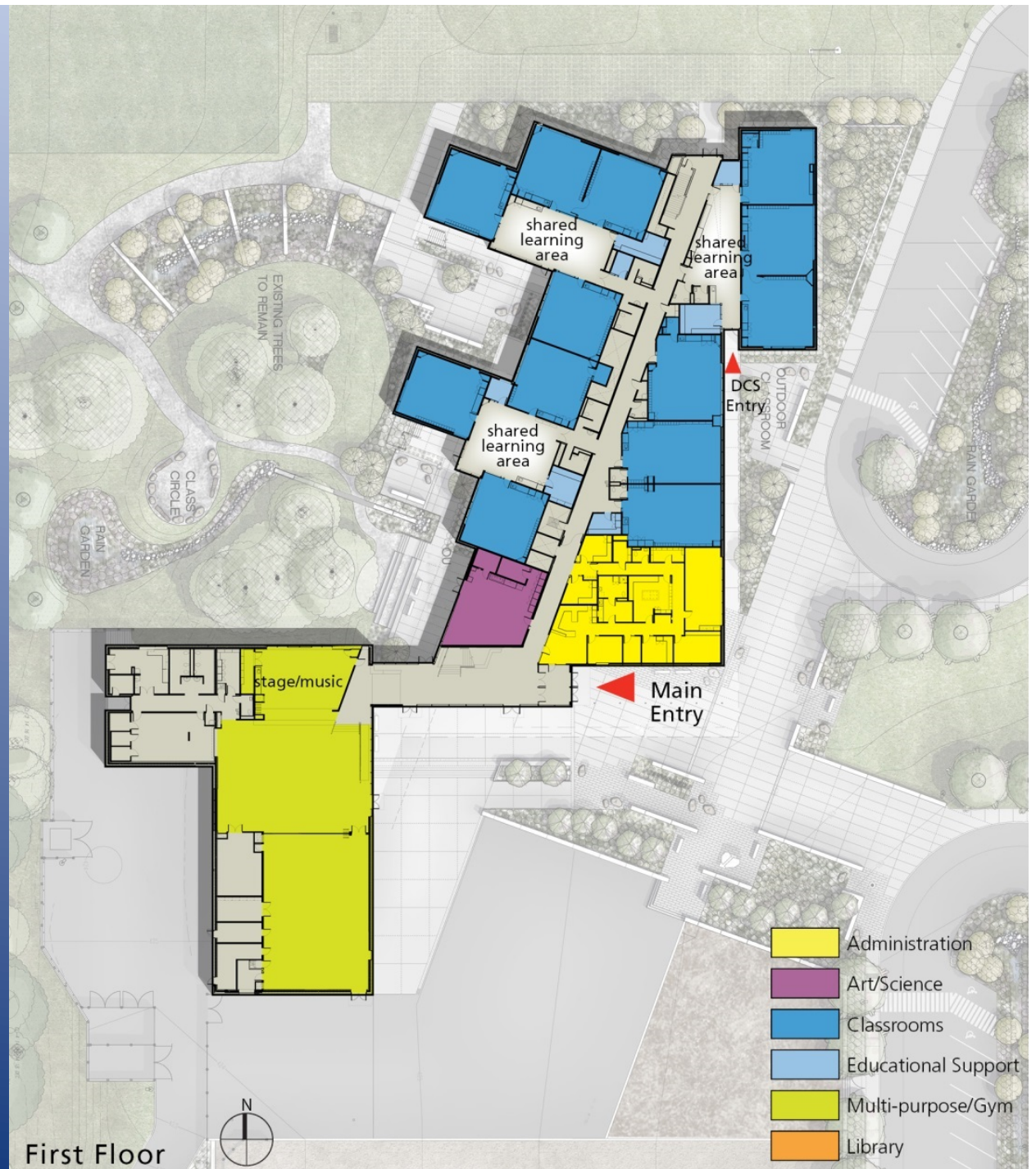
Goal: *Express the environmental commitment of the school on the exterior*
A 10kW photovoltaic array in conjunction with horizontal and vertical fins shade the Library

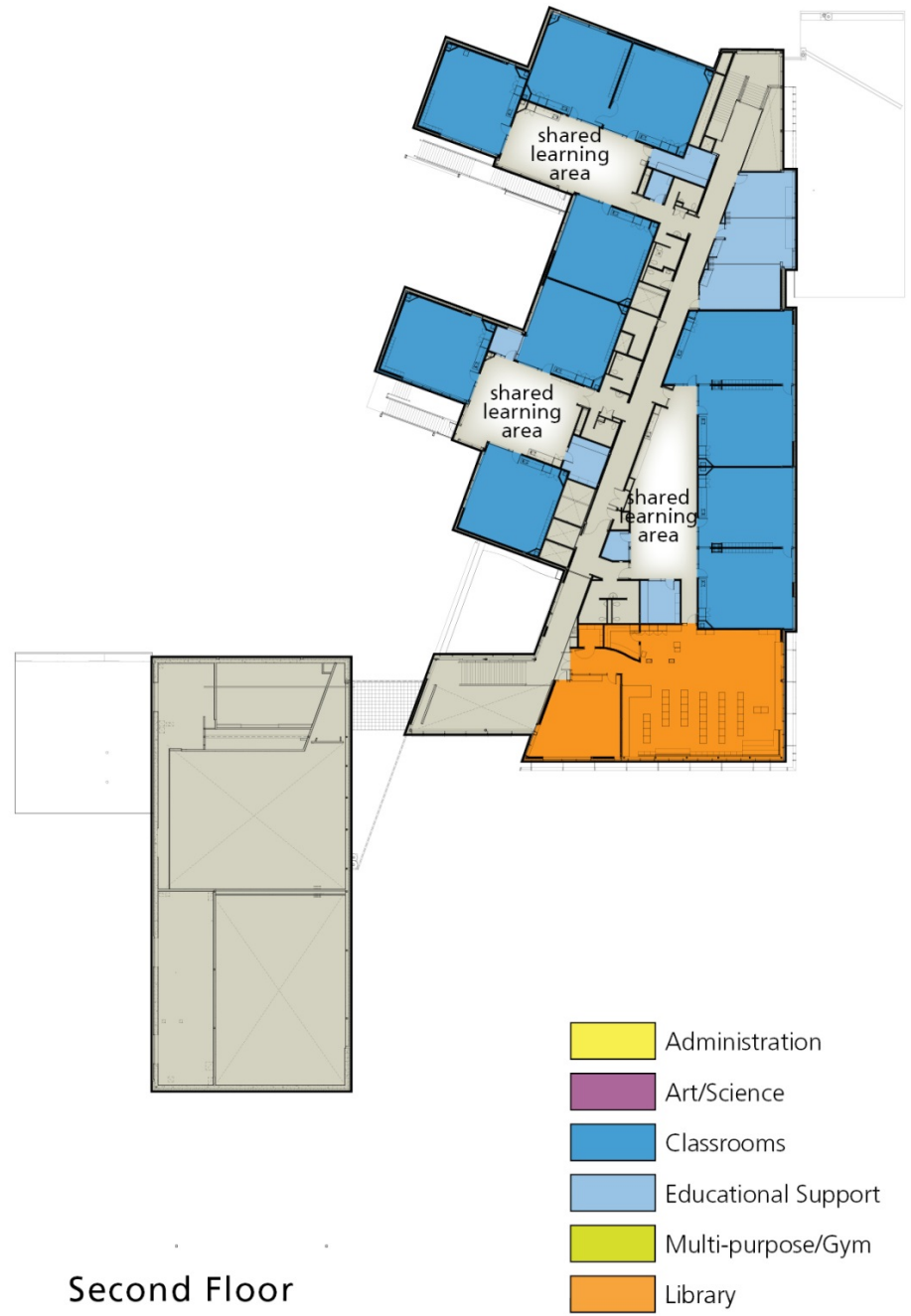
Goal: *Establish a civic presence through a welcoming plaza that includes covered waiting area*





Concept diagram showing integration of the building & site





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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

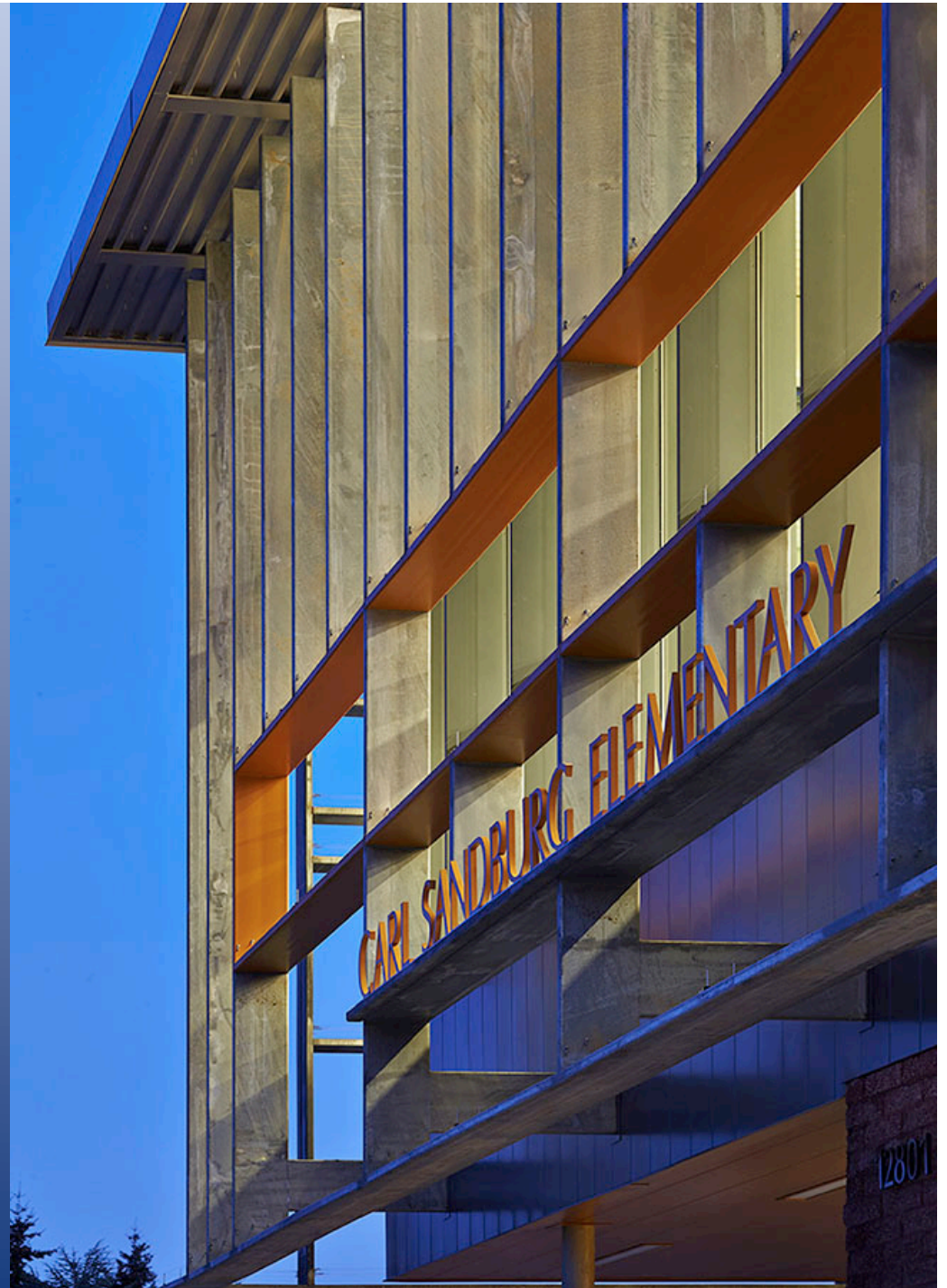
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Project Details

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

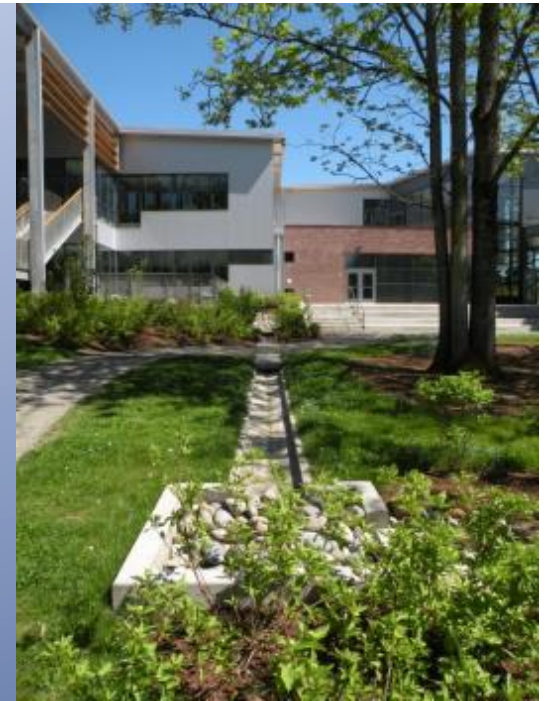


The fins and photovoltaic panels that shade the library prevent direct daylight but keep the space open to indirect light and expansive views.









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

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



