The Architecture Handbook 2:
A Student Guide to Understanding Buildings

OUTLINE / CASE STUDY BUILDINGS

PROJECT 1 / SOCIETY

Case study school
Hector Garcia Middle School, Dallas TX (2007)
Perkins + Will

www.perkinswill.com/projects/project.aspx?id=147
LEED® silver

Student lesson concepts
schools in communities
users and the design of the school
surrounding neighborhood
scale
pathways and transportation

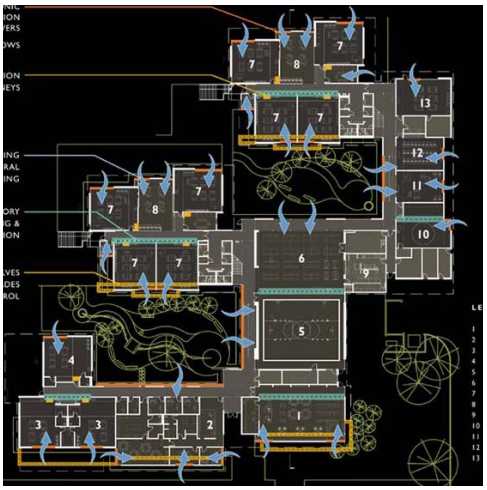
PROJECT 2 / SITE

Case study school
Neuva School Hillside Learning Complex, Hillsborough CA (2007)
Leddy Maytum Stacy Architects

www.aiatopten.org/hpb/overview.cfm?ProjectID=1022
LEED® gold

Student lesson concepts
site and landscape design
orientation
topography and vegetation
site uses and circulation

PROJECT 3 / SPACES



Case study school
Benjamin Franklin Elementary School, Kirkland WA (2005)
Mahlum Architects

www.aiatopten.org/hpb/overview.cfm?ProjectID=656

Student lesson concepts
planning spaces for students
height, width, and length of spaces
circulation paths
window placement – views and natural light
scale

PROJECT 4 / SYSTEMS

Case study school
Sidwell Friends Middle School, Washington DC (2007)
KieranTimberlake

www.aiatopten.org/hpb/overview.cfm?ProjectID=775
LEED® platinum

Student lesson concepts
comfort
energy
water
waste

PROJECT 5 / STRUCTURE

Case study school
Gerald Ratner Athletic Center, Univ. of Chicago, Chicago IL (2003)
Cesar Pelli with OWP/P

www.owpp.com/content.cfm/uc_ratner

Student lesson concepts
spanning long distances
forces and structures
construction materials
construction techniques

PROJECT 6 / SKIN

Case study school
Gary Comer Youth Center, Chicago IL (2006)
John Ronan

www.gcychome.org/architecture.html

Student lesson concepts
skin makes a statement
skin and structure
skin materials
climate and energy

PROJECT 7 / STUFF

Case study school
not one case study building, but smaller objects designed for schools (lockers, lunch trays, trash bins)

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