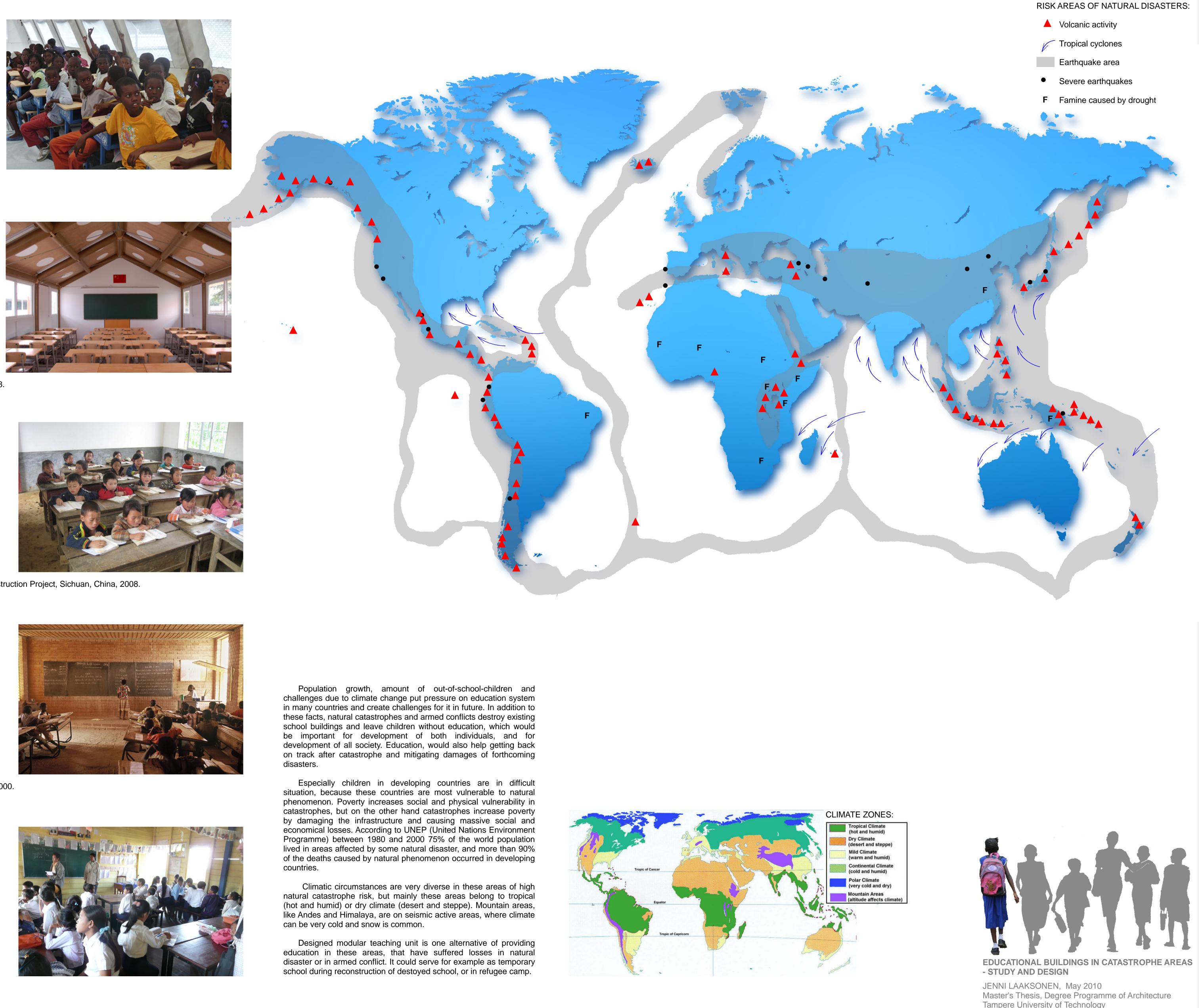


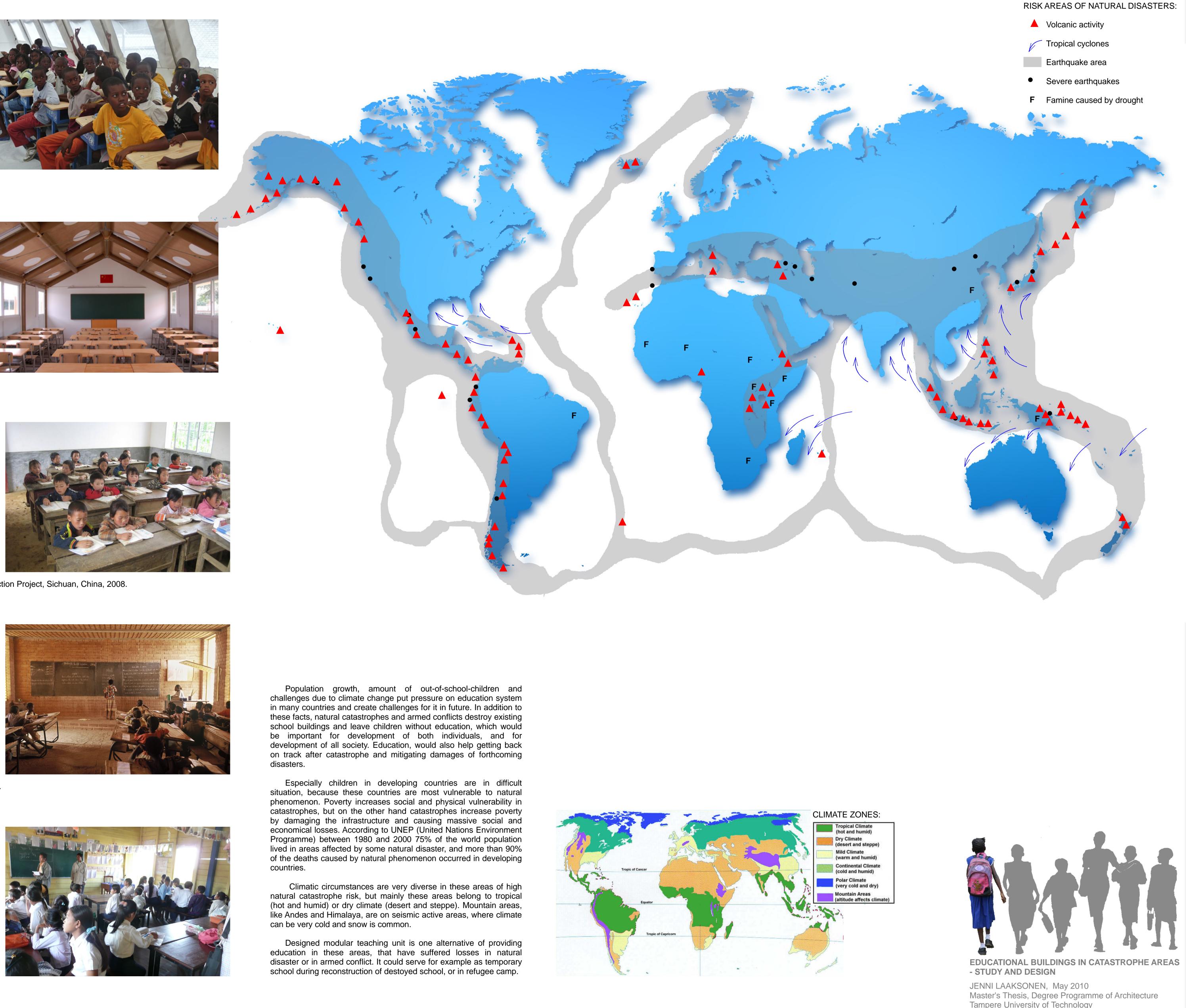
UNICEF tent school in Port-au-Prince, Haiti, February 2010. http://www.unmultimedia.org/photo/detail.jsp?key=9&query=subject:%22Haiti%20Earthquake%22





Shigeru Ban - Temporary Paper Tube Schools, Sichuan, China, 2008. http://www.treehugger.com/files/2009/01/shigeru-ban-paper-tube-schools.php





Concrete-integrated school building. Pingzhi Primary School Reconstruction Project, Sichuan, China, 2008.



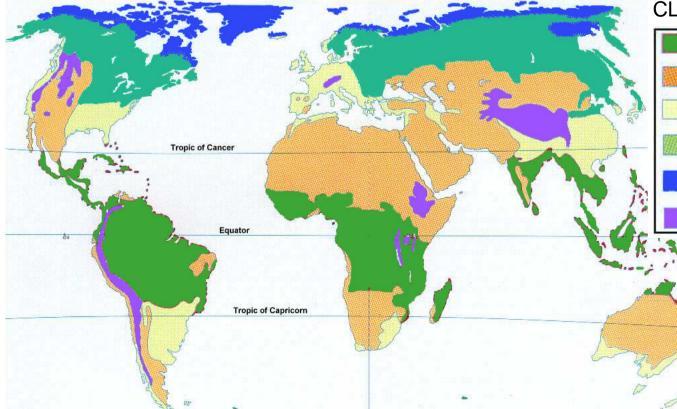
Gando School in Burkina Faso by architect Diébédo Francis Kéré, 2000. http://www.afritecture.org/architecture/gando-primary-school

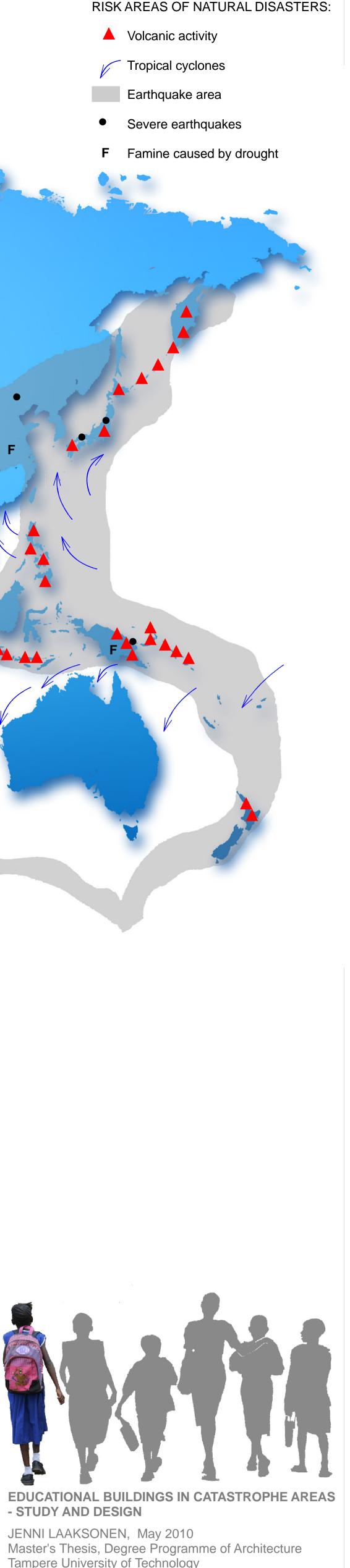




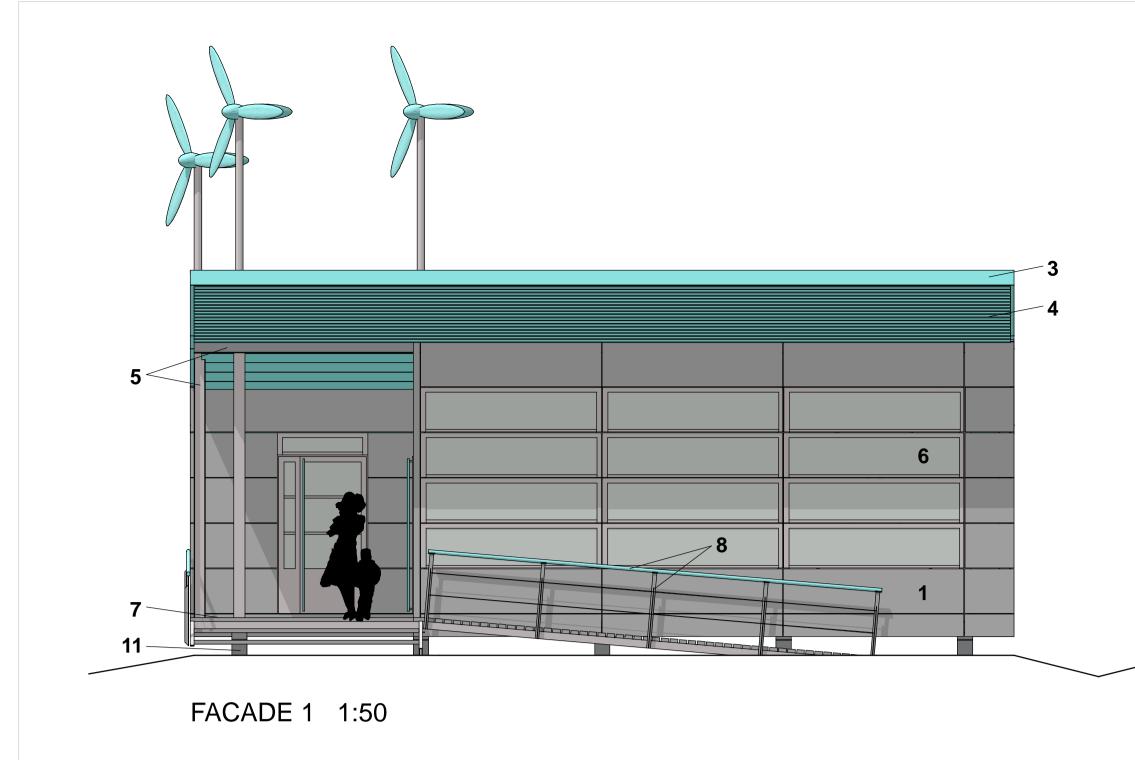
Floating School - Chong Khneas Elementary School, Cambodia. photo by Kari Salonen, January 2009

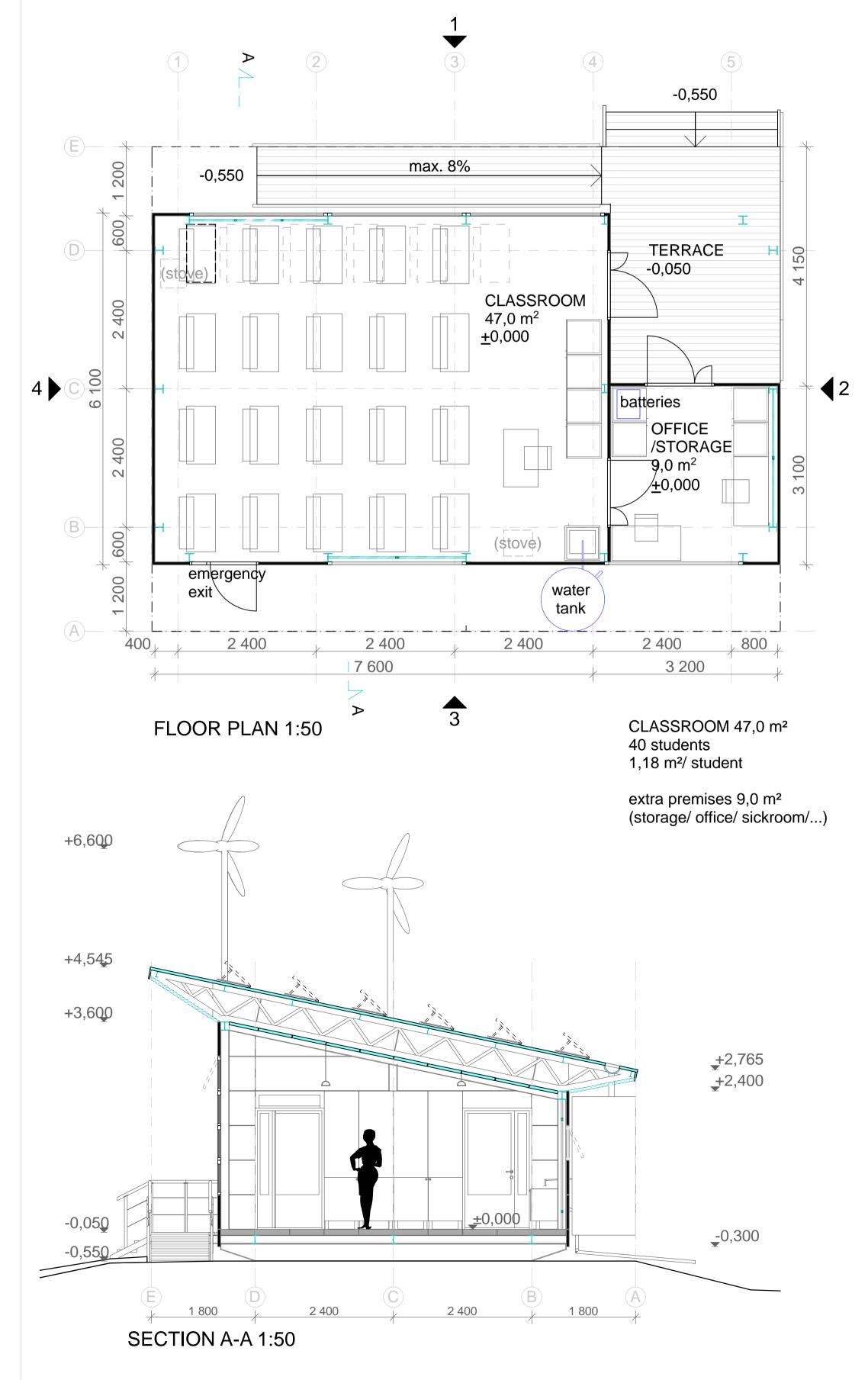






Tampere University of Technology Instructor: professor Kari Salonen







FACADE 2 1:50

FACADE MATERIALS AND COLOURS

1	facade panel
2	roof panel
3	eave panel
4	trellis
5	columns and be
6	windows
	doors

steel sheet-pur, pvdf-coated profile steel sheet, pvdf-coated turquoise steel sheet, pvdf-coated pvdf-coated steel eams galvanized steel glass + aluminium glass + aluminium

aluminium grey turquoise turquoise

aluminium grey aluminium grey

9		
6		

FACADE 3 1:50

0

7 deck and ramp 8 fence

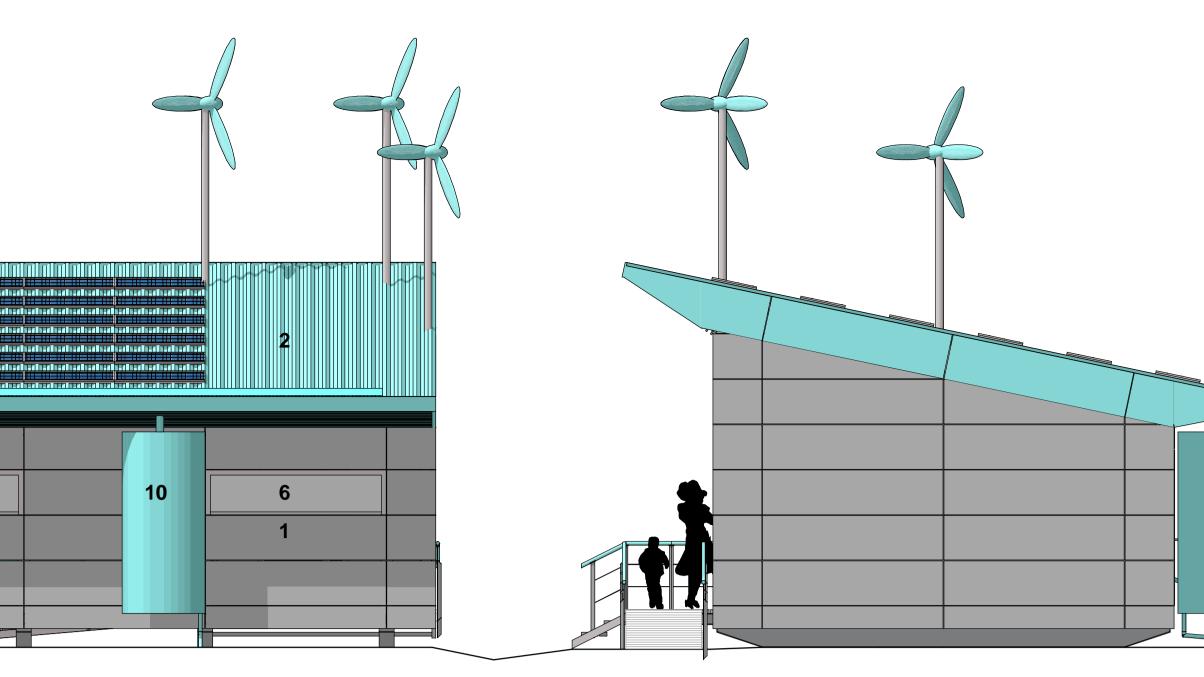
- handrail
- posts

- wire
- 9 solar panels
- 10 water tank
- 11 basement skids

pvdf-coated steel galvanized steel stainless steel

plastic (PE) galvanized steel





FACADE 4 1:50

galvanized steel, recycled plasticlight grey turquoise

turquoise

Architectural Solution

Floor plan of modular teaching unit is designed to be as simple as possible. In basic solution classroom size is 47 m², serving 40 students, with supporting premises of 9 m² that can be used as teacher's room, storage or for example sickroom. In front of entrance, there is terrace, which is covered with roof and equipped with ramp to ensure access for disabled students.

Medium height in classroom is 2,4 m, but the ceiling is inclined and height on window wall is 3,6 m to ensure maximum natural light. When locating and orientating the teaching unit, the direction of roof and windows should be chosen to create comfortable amount of light and heat according to prevailing conditions. Roof is shed roof with long overhangs on sides of long facades.

Colours of teaching unit are chosen neutral according to their symbolic mean associations, but to give an image of building. Exterior walls are alumium grey outside and white on the inside. Roof color turquoise. Light colours are chosen to max reflection of too much sunshine and make th light level comfortable with natural lightning.



JENNI LAAKSONEN, May 2010 Master's Thesis, Degree Programme of Architecture Tampere University of Technology Instructor: professor Kari Salonen

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