

WAKHA / MULBEKH - KARGIL - LADAKH - JAMMU & KASHMIR - INDIA

Priorities of the SDPS Development Project:

A Vision for a financially and environmentally sustainable school that provides equal access to quality education for all social classes in Ladakh.

Quality Education

- To provide its students with a well-rounded, and modern educational scheme of the highest standard;
- To support the preservation and growth of Ladakhi traditions and culture;

Equal Access

- Provide equal access to education for all social classes, regardless of economic status;
- Decrease the male/female literacy gap.

Experienced Teachers

- Recruit and retain (on a long-term basis) experienced and qualified local teachers; plus additional training

Financial Stability

- Long-term, sustainable school income is required to fund teacher and staff salaries, equipment, etc.

Development Plan & Management

- School Development Plan: long-term plan that will be used to guide the school's success and vision
- A management team needs to be created

Infrastructure

- New School Campus Design

NEW ECO-FRIENDLY PASSIVE SOLAR SPRING DALES PUBLIC SCHOOL

Existing school difficulties:

Female Literacy:

- 33% gap in literacy between males and females in the Kargil District

Migration:

- This can lead to a loss of culture, traditions, and identity as well as impacted family connections;
- Due to the migration of educated people it is very difficult to recruit and retain qualified and experienced teachers in more remote areas especially for the long-term.

Geography:

- Many villages are farther then walking distance from the nearest school (3-5 km);

Shortage of:

- quality classrooms
- quality school equipment
- school furniture
- qualified and experienced teachers

Absence of:

- computer and science labs
- comprehensive School Development Plan
- school financial plan to support students from poor families
- electricity supply
- accommodation and facilities for students and staff

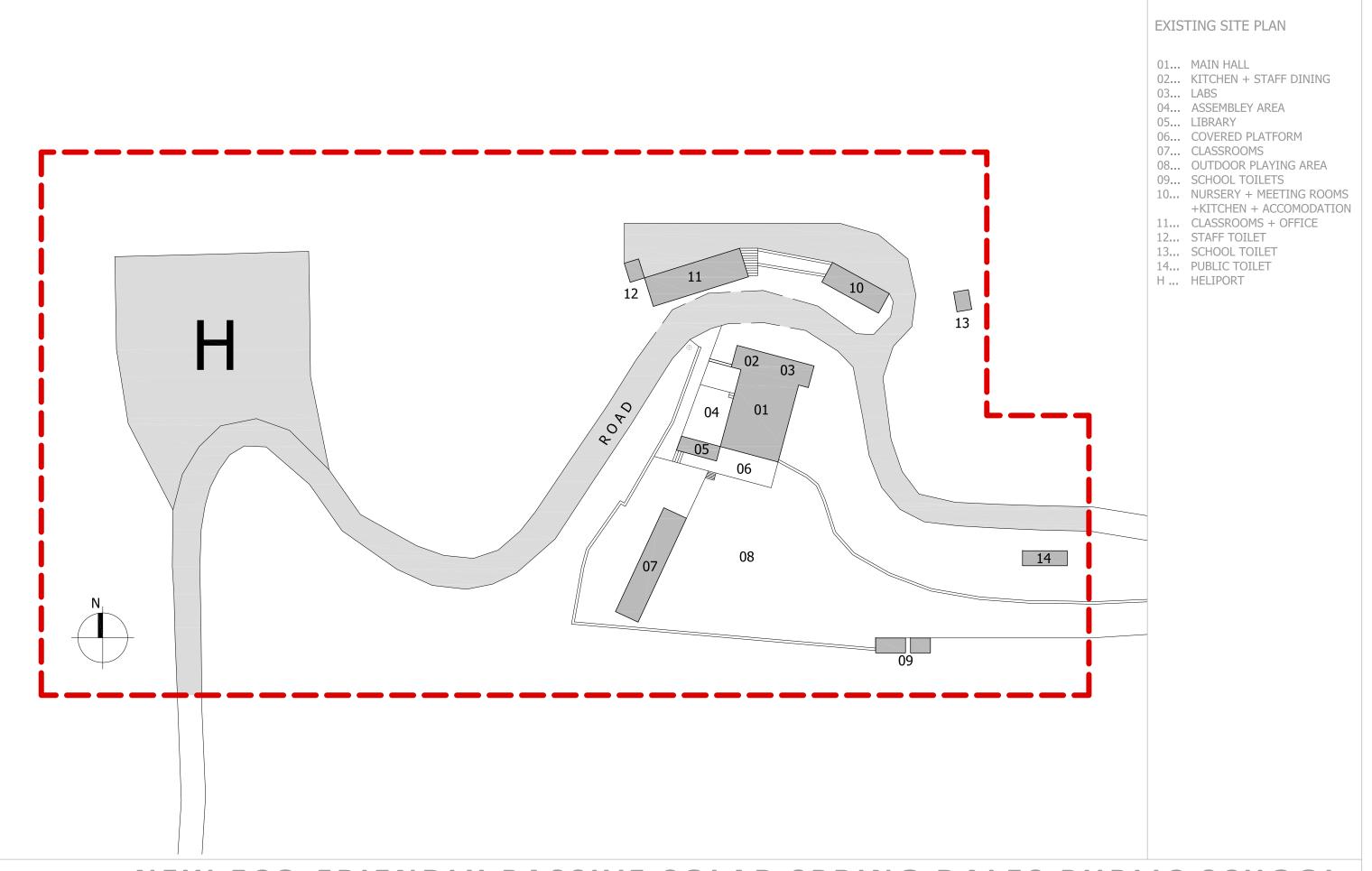
NEW ECO-FRIENDLY PASSIVE SOLAR SPRING DALES PUBLIC SCHOOL

The SDPS Campus design is:

- fully based on passive solar energy:
- passive solar heated buildings (both day and night use buildings)
- passive solar water heating
- photovoltaic panels to generate electricity
- using insulated local roller blinds in front of thermal walls
- using insulated rammed earth double walls
- using a double glazing
- using an improved typical Ladakhi compost toilets
- using a local construction techniques and materials blended with influence of modern technologies
- using a local irrigation canal system, both ground and improved underground, for greenery inside the campus
- is dealing with waste and brown water management
- reducing campus carbon footprint to its possible minimum



VIEW OF EXISTING SPRING DALES PUBLIC SCHOOL



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NUMBER OF CHILDREN EXPECTED TO BE ENROLLED AS OF ACADEMIC YEAR 2012 (BASED ON SURVEY DONE IN DECEMBER 2010)

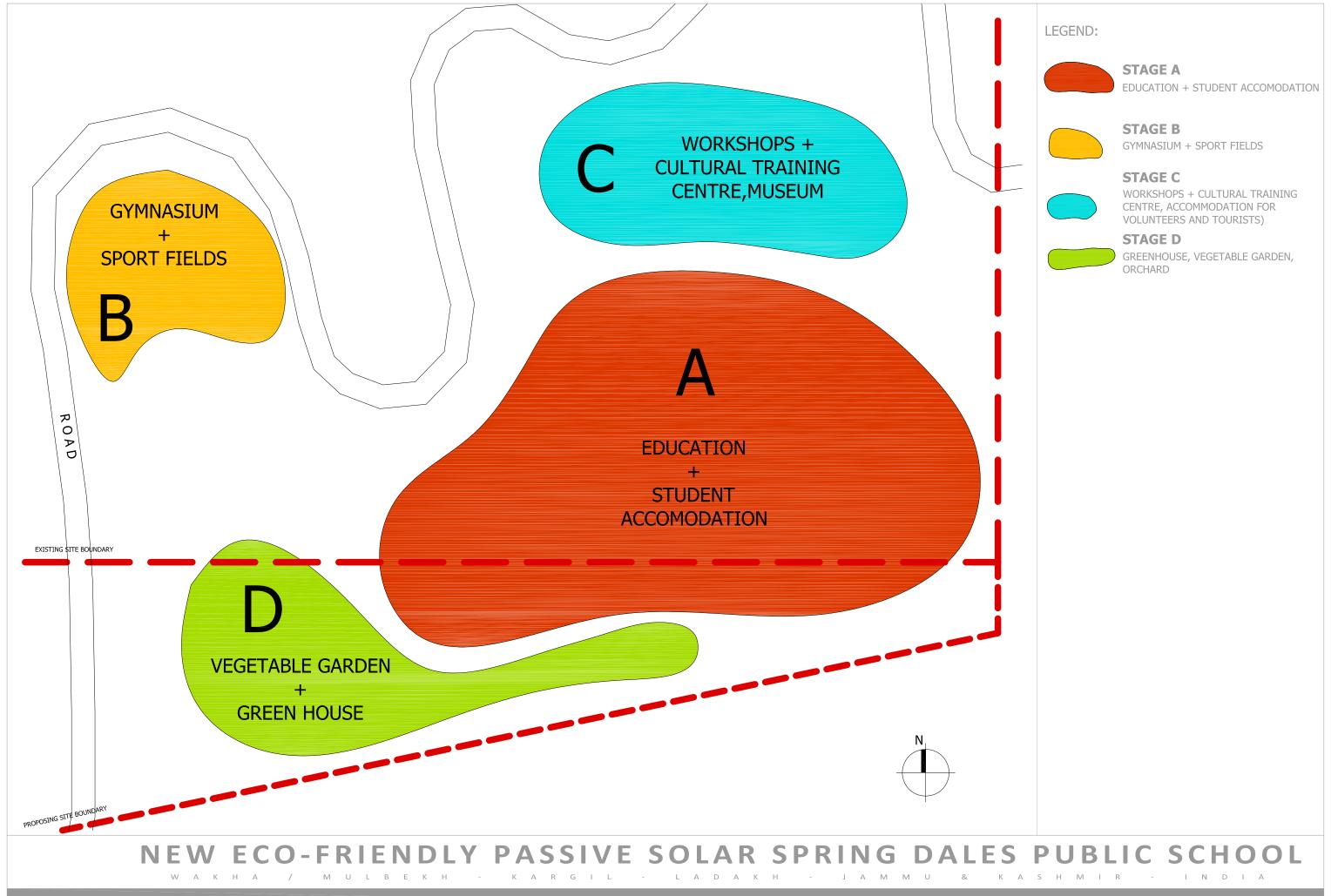
58 41 21+ 20(B)+17(G) 21+ 12(B)+8(G) NUMBER OF CHILDREN ENROLLED FOR ACADEMIC YEAR 2011 (LKG AND UKG) + NUMBER OF CHILDREN EXPECTED TO BE ENROLLED AS OF ACADEMIC YEAR 2012 (UKG AND 1ST CLASS)

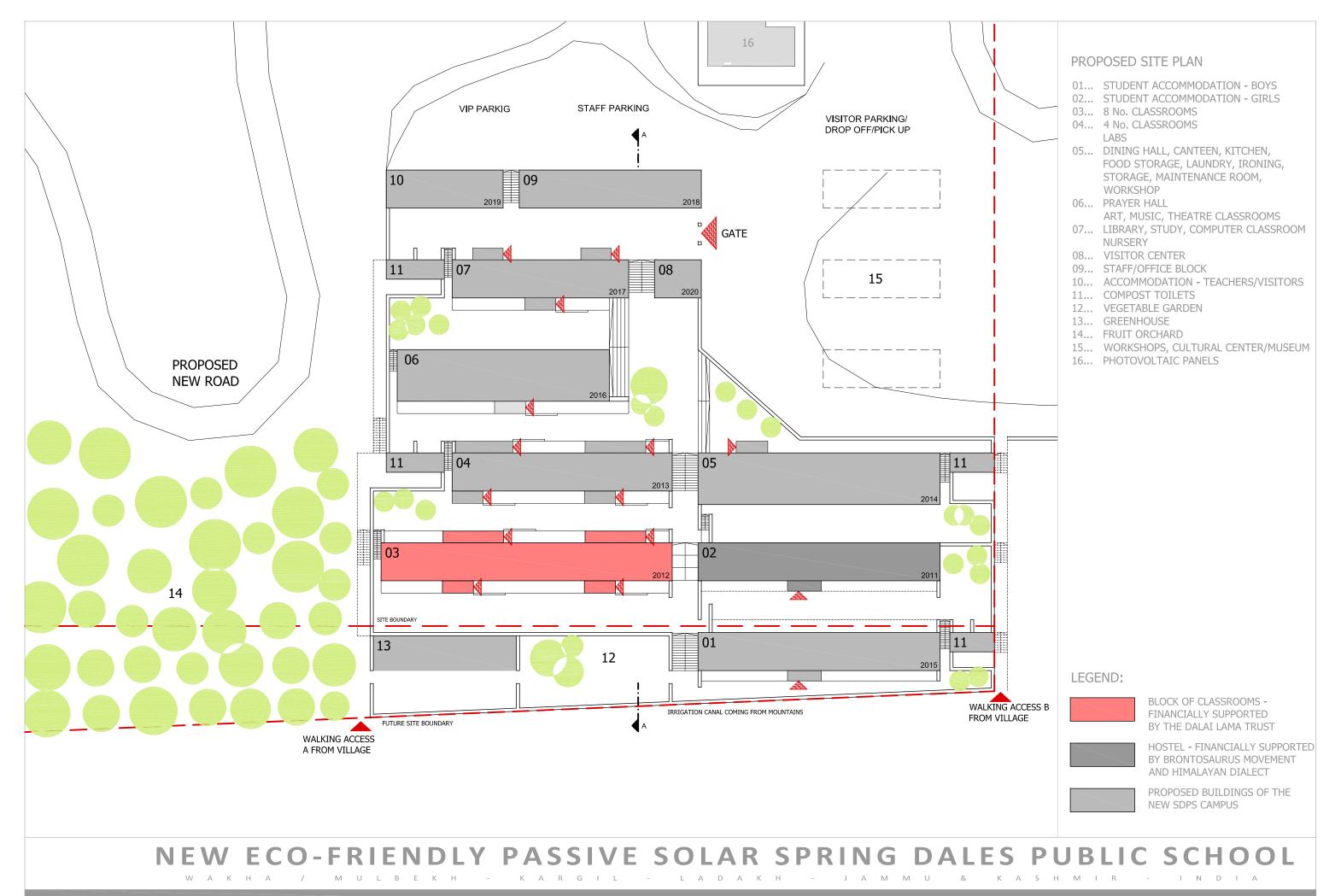
NUMBER OF CHILDREN ENROLLED FOR ACADEMIC YEAR 2011

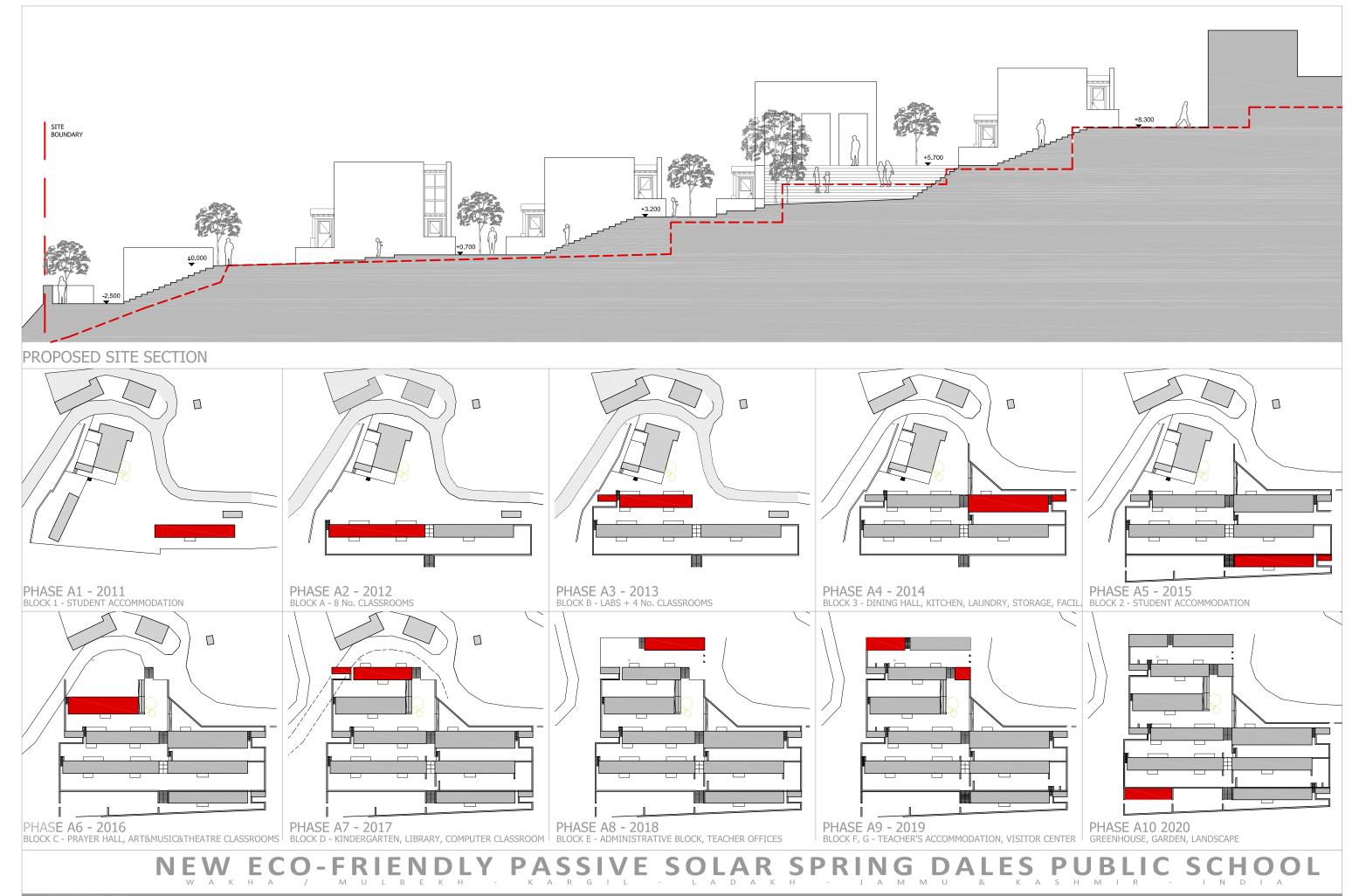
UNBORN CHILDREN

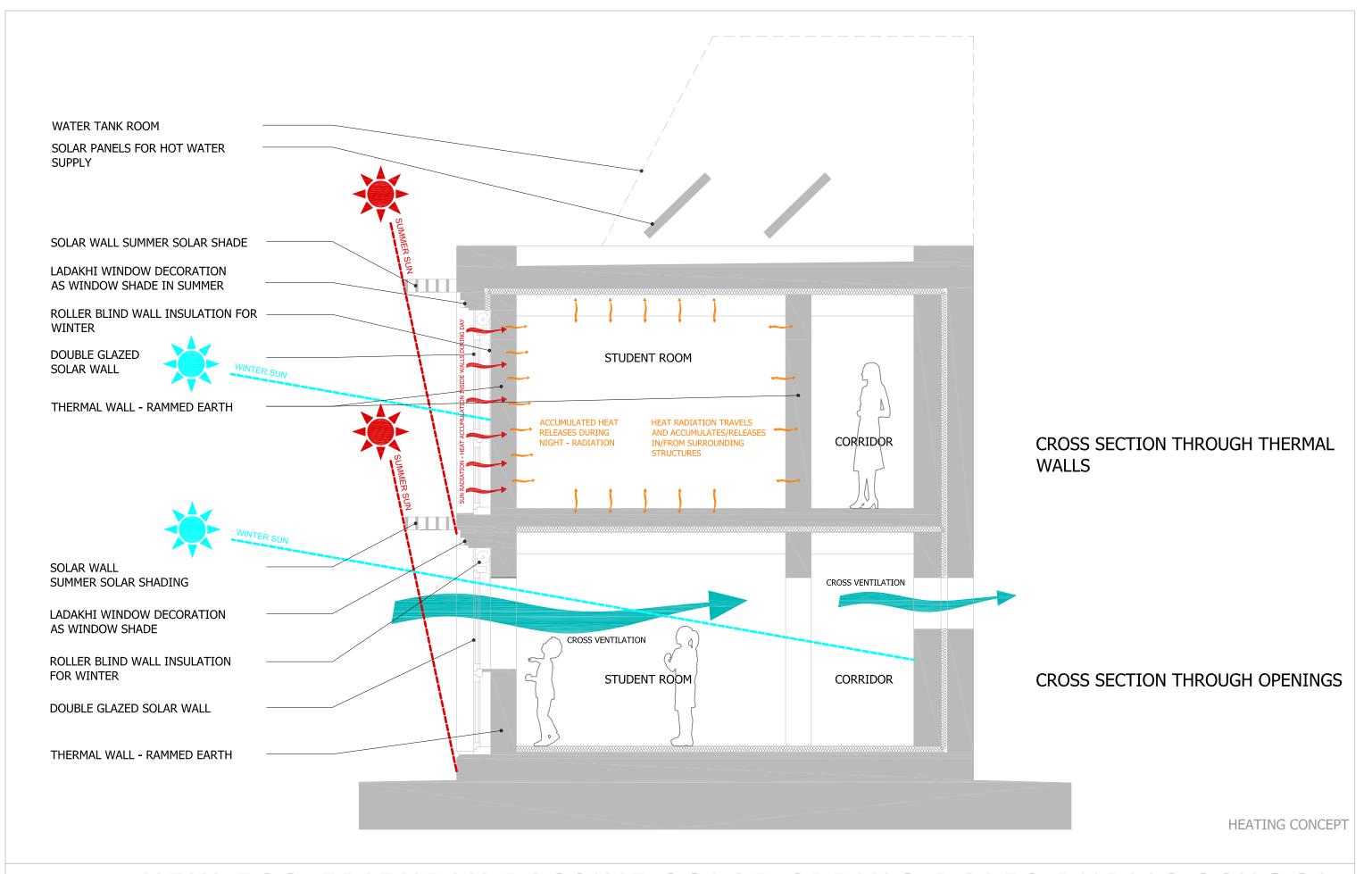
CONSIDERED SCHOOL UPGRADE FROM 10 TO 12 GRADES

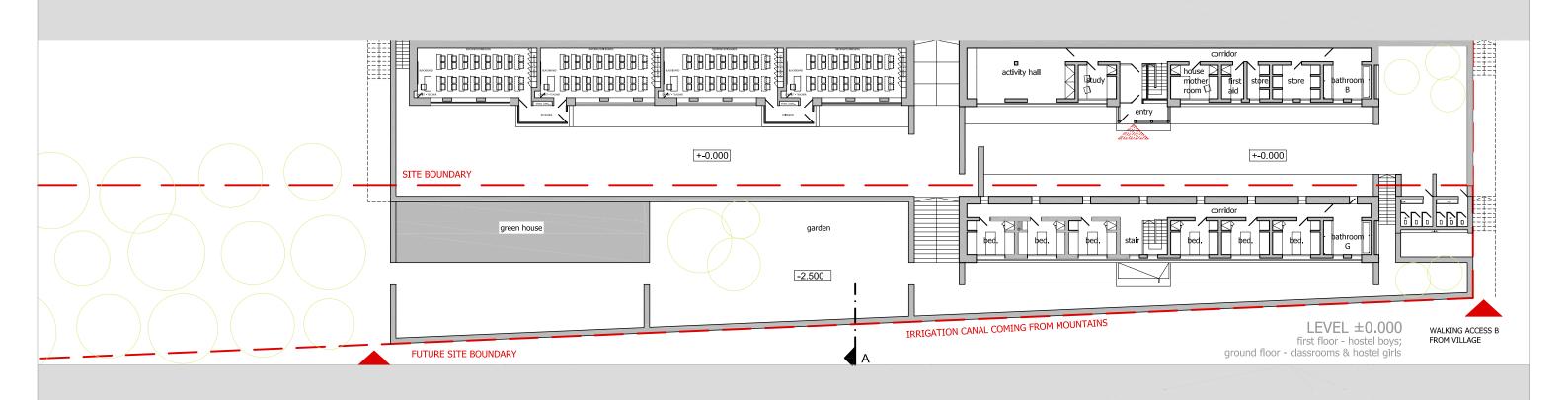
NEW ECO-FRIENDLY PASSIVE SOLAR SPRING DALES PUBLIC SCHOOL

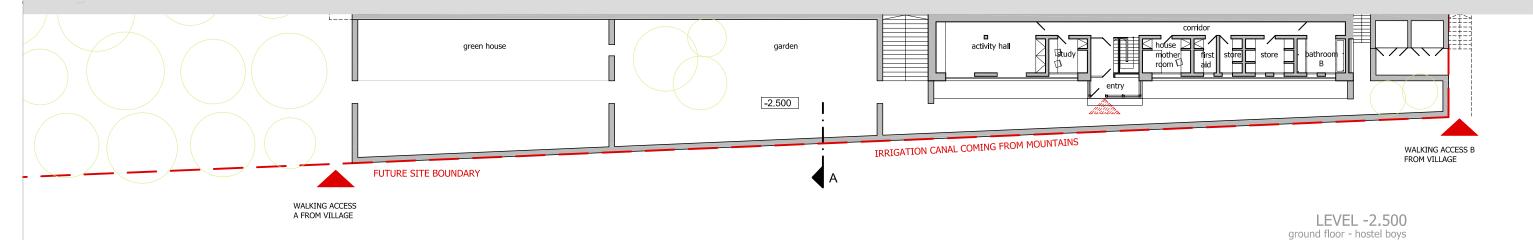


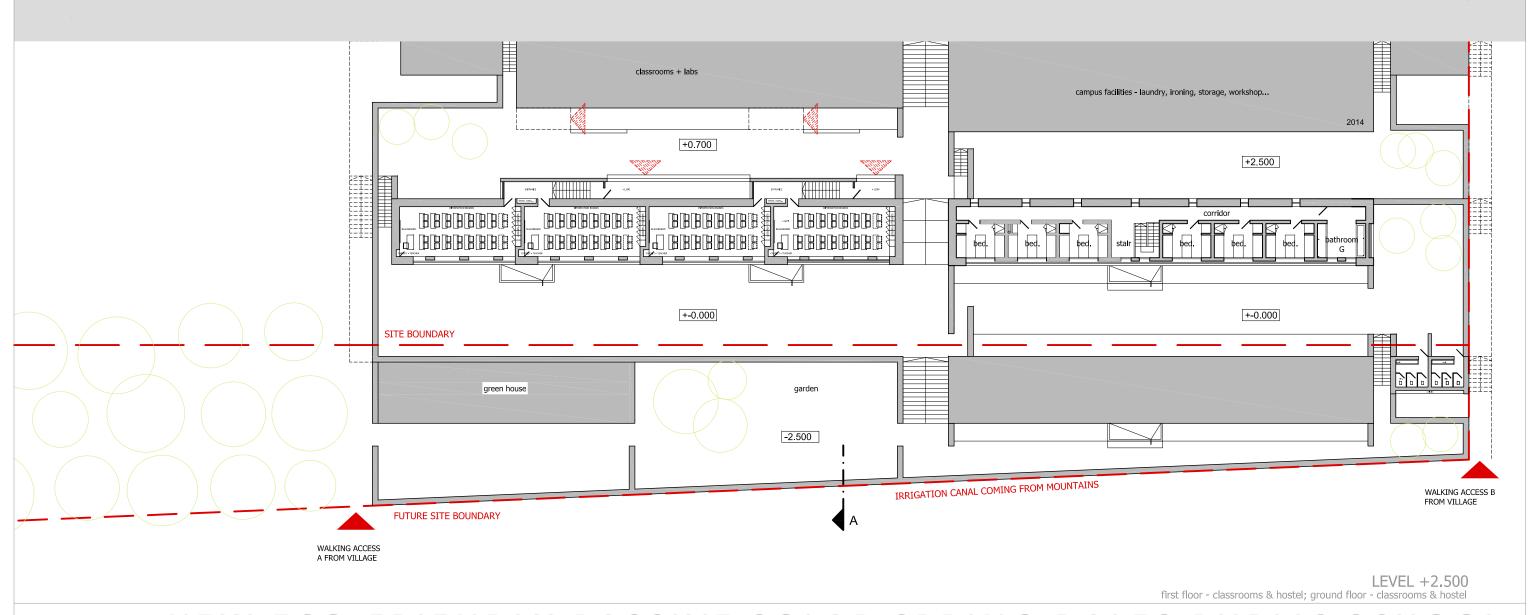


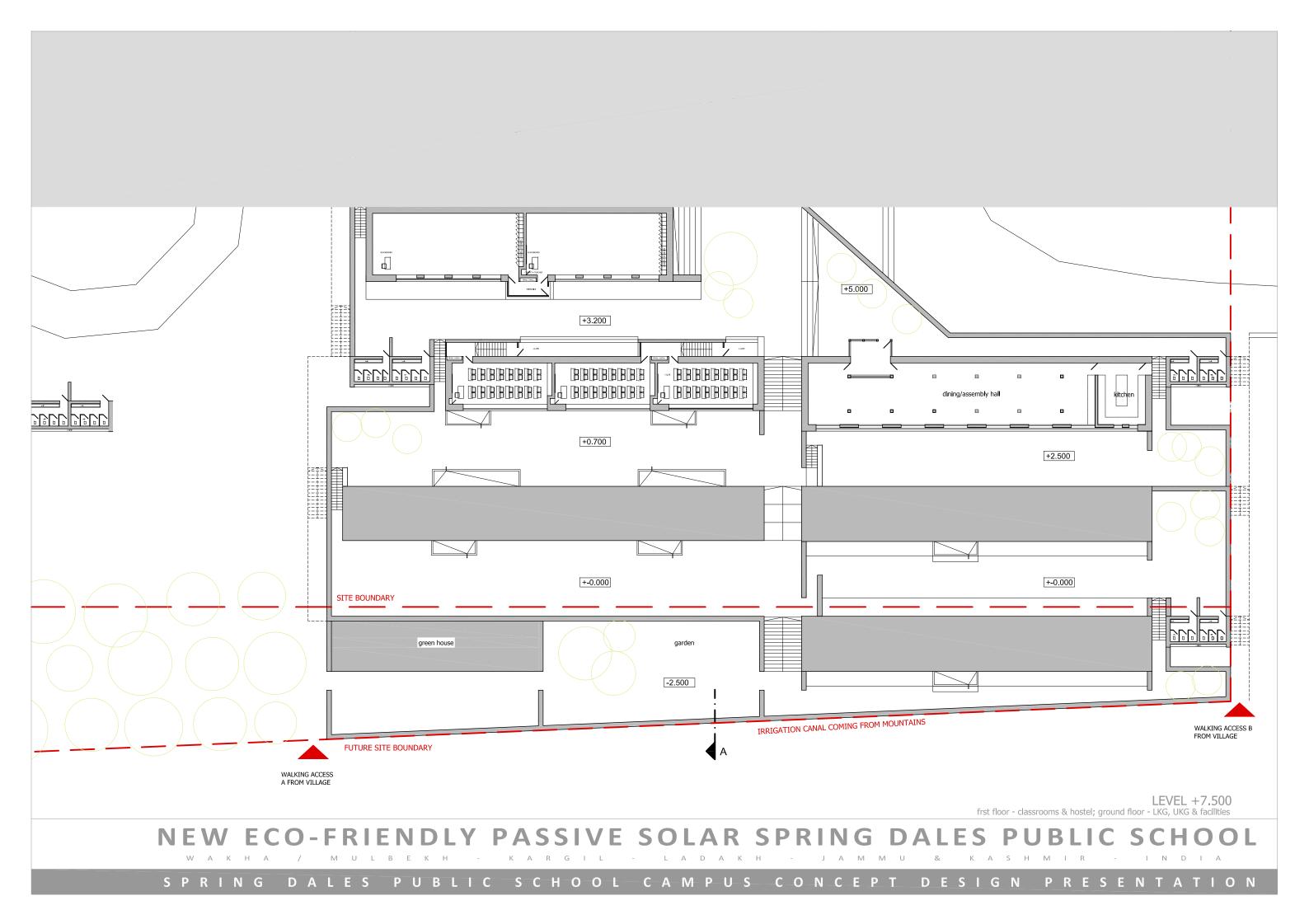


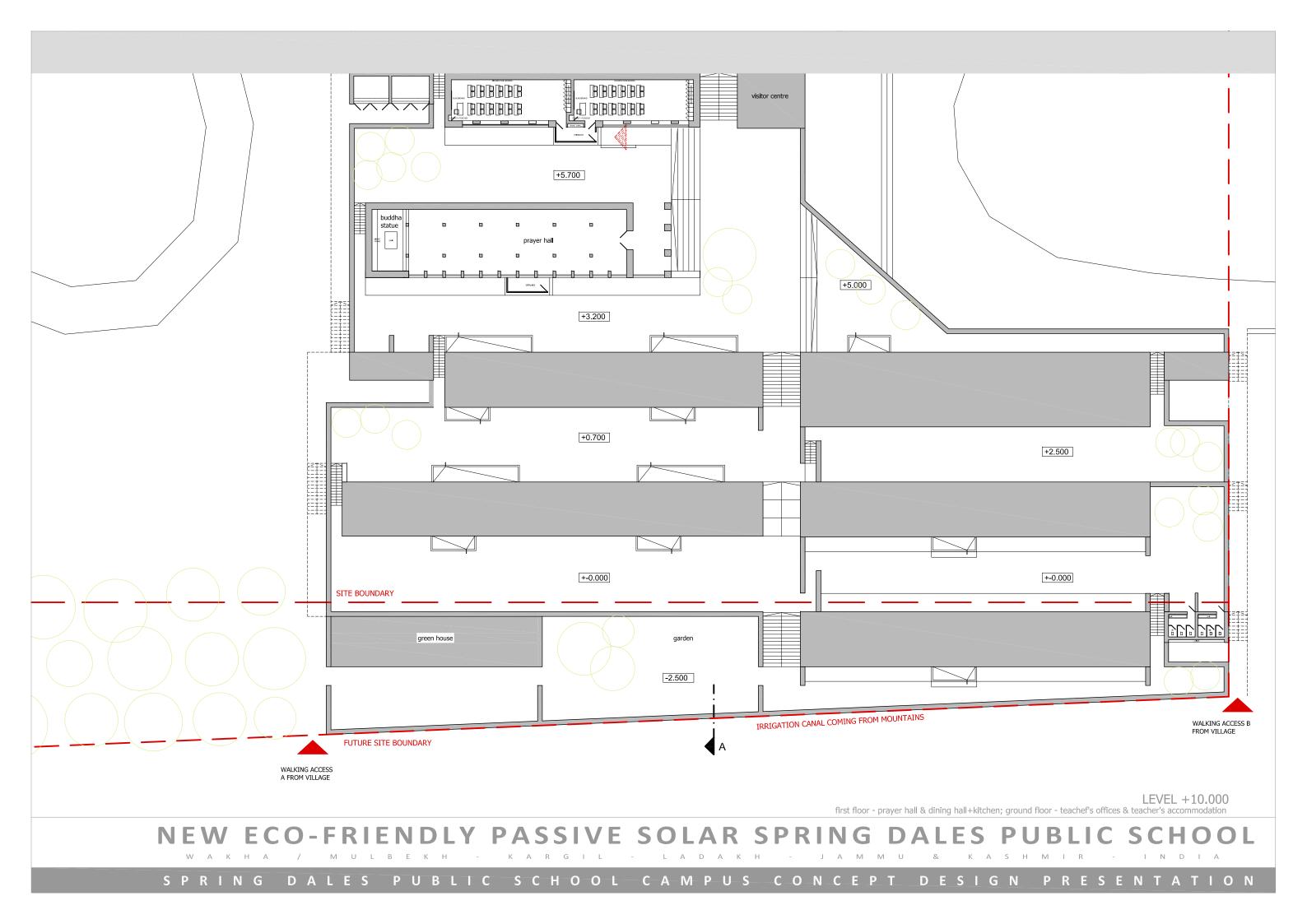


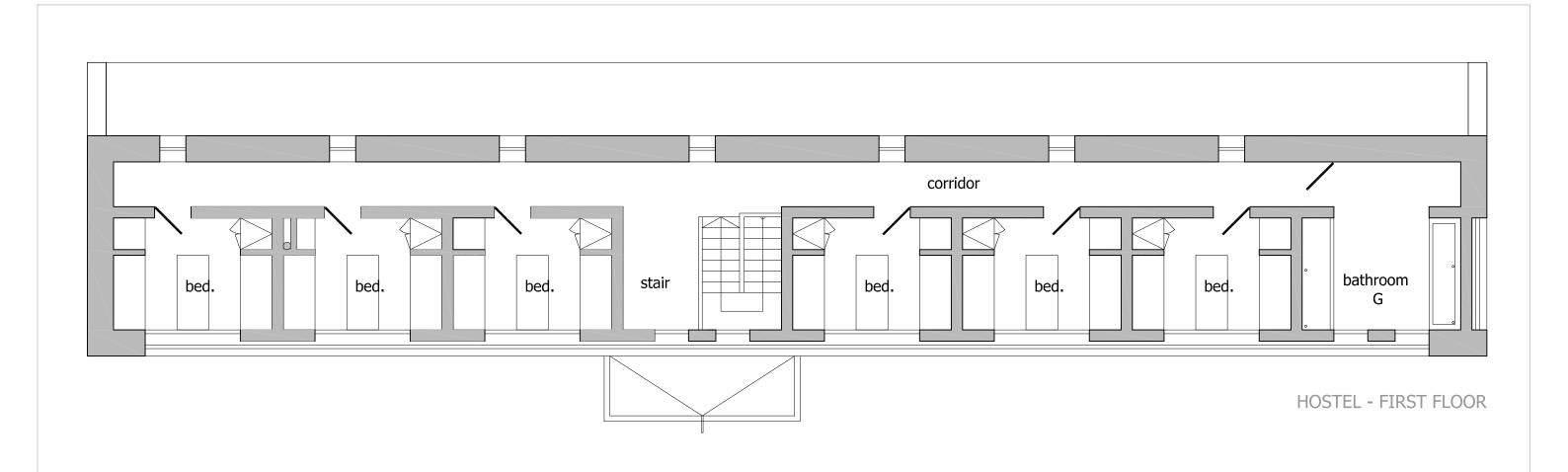


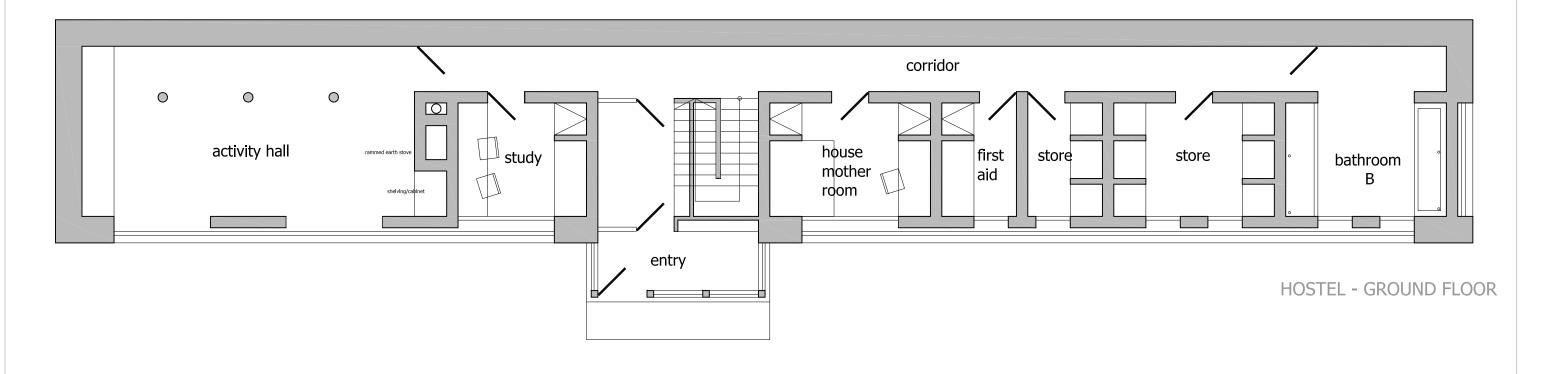




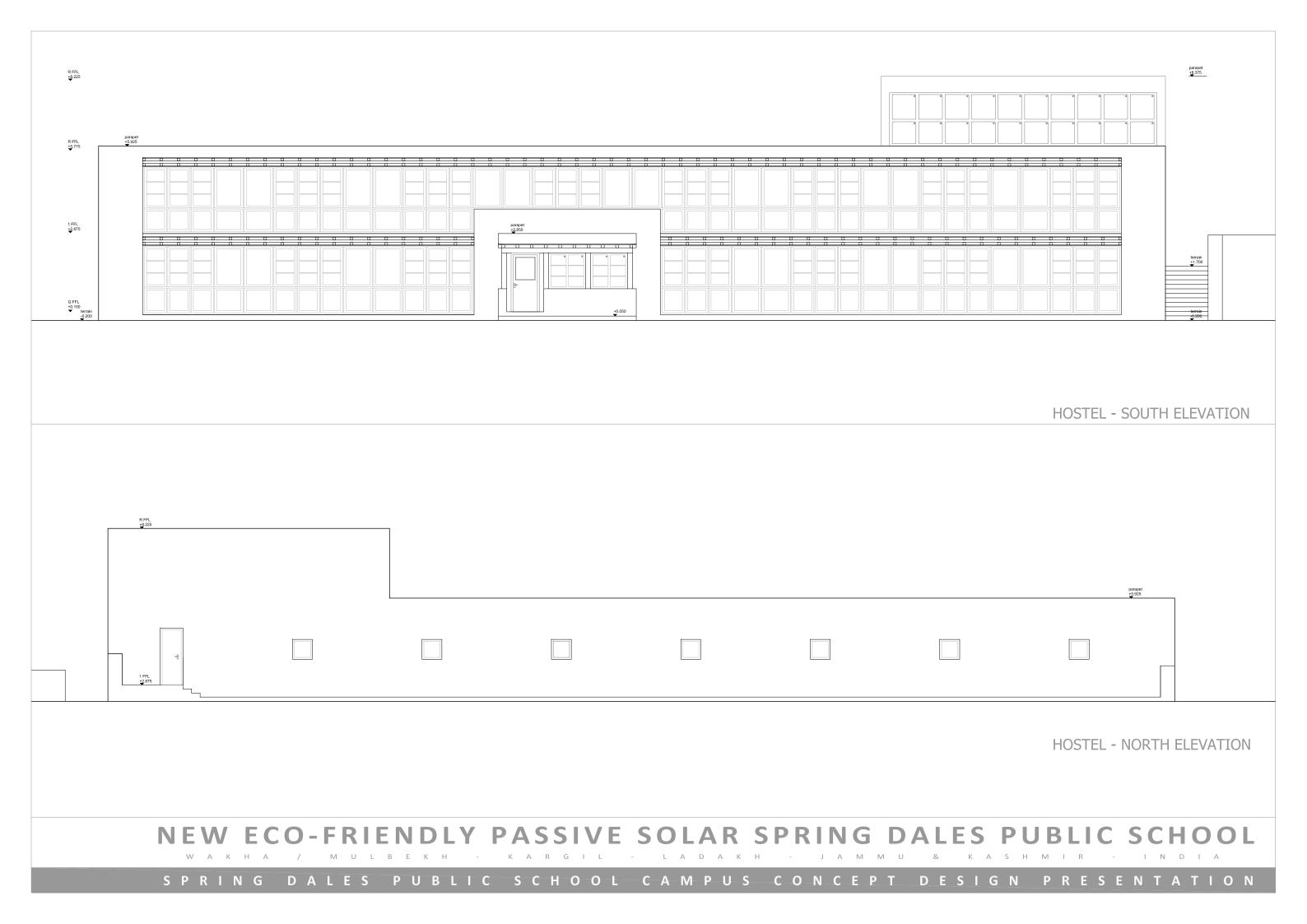








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VIEW OF THE HOSTEL COURTYARD

NEW ECO-FRIENDLY PASSIVE SOLAR SPRING DALES PUBLIC SCHOOL

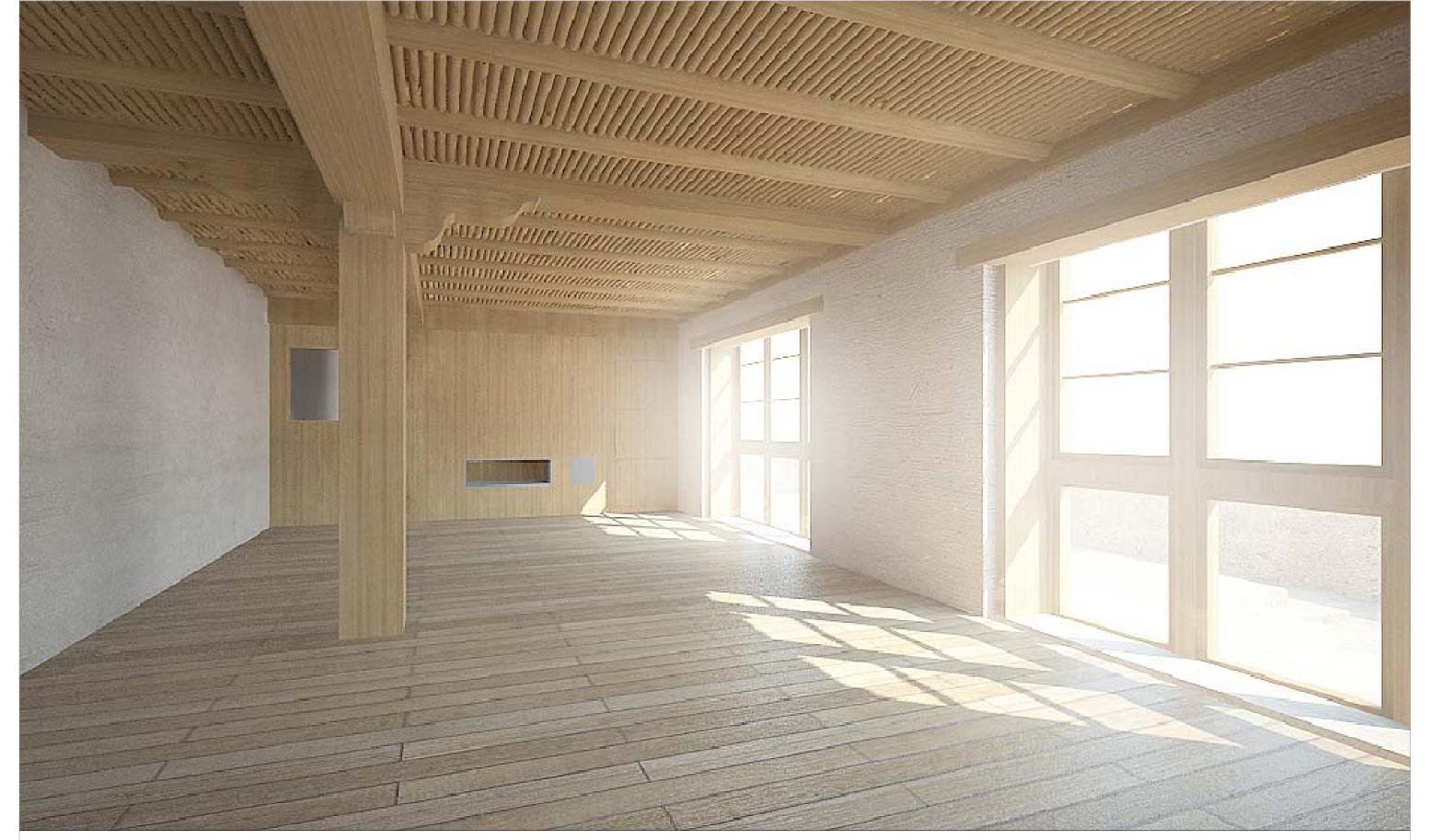
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VIEW OF THE CLASSROOM COURTYARD

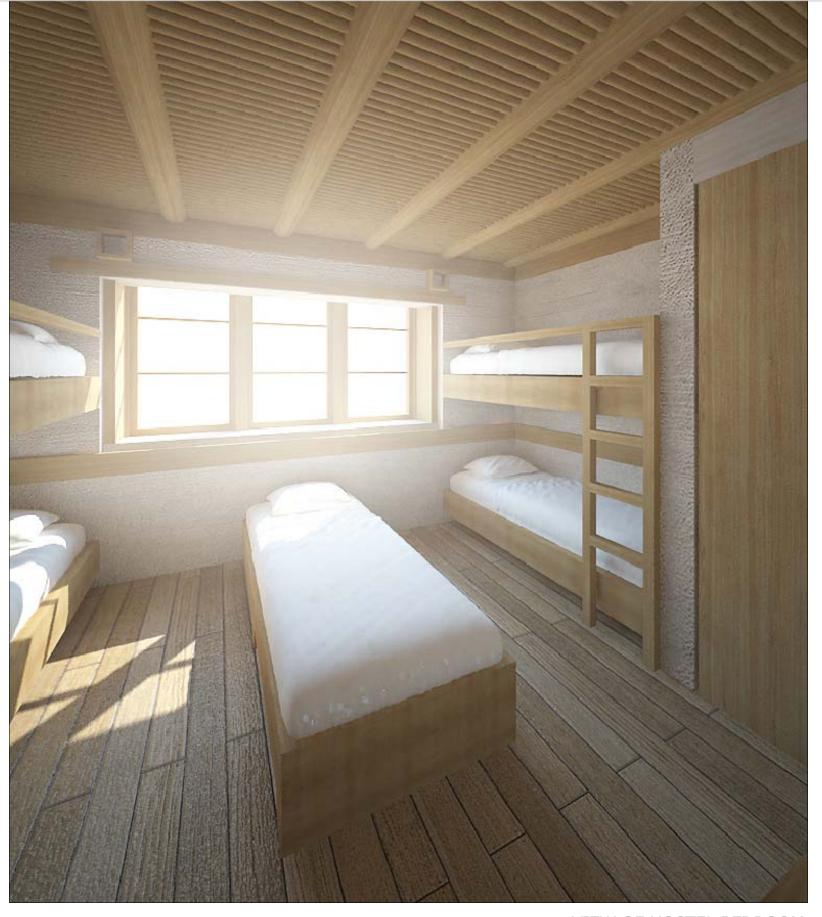
NEW ECO-FRIENDLY PASSIVE SOLAR SPRING DALES PUBLIC SCHOOL

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VIEW OF HOSTEL ACTIVITY HALL (WITH RAMMED EARTH STOVE)

NEW ECO-FRIENDLY PASSIVE SOLAR SPRING DALES PUBLIC SCHOOL



VIEW OF HOSTEL BEDROOM



VIEW OF THE MAIN COURTYARD

NEW ECO-FRIENDLY PASSIVE SOLAR SPRING DALES PUBLIC SCHOOL

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VIEW OF SPRING DALES PUBLIC CAMPUS

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SPRING DALES PUBLIC SCHOOL COST PLAN FOR NEW CAMPUS

Ref. Description	Unit Cost (Rs)	Construction (Rs)	Furniture/equ ip/other (Rs)	Total Cost (Rs)	Total Cost (Kc)	Total Cost (£)	Time table
Residential accommodation for students&staff		•					
Block 1 (30 students) + solar vented compost toilets	6,000,000	6,000,000	150,000	6,150,000	2,338,403	85,168	2011
Block 2 (30 students) + solar vented compost toilets	6,000,000	6,000,000	150,000	6,150,000	2,338,403	85,168	2013
Block 3 (30 students) + solar vented compost toilets	6,000,000	6,000,000	150,000	6,150,000	2,338,403	85,168	2017
Subtotal		18,000,000	450,000	18,450,000	7,015,209	255,505	
School building & Infrastructure							
Construction of 10 No. new classrooms + WC	1,000,000	10,000,000	1,500,000	11,500,000	4,372,624	159,258	2012
Construction of 8 No. new classrooms + WC	1,000,000	8,000,000	1,200,000	9,200,000	3,498,099	127,406	2014
Construction of dining room/kitchen/facility block	10,000,000	10,000,000	500,000	10,500,000	3,992,395	145,409	2015
Construction of 2 classes LKG, 2 classes UKG	1,000,000	4,000,000	200,000	4,200,000	1,596,958	58,164	2016
Construction of Prayer hall	2,000,000	2,000,000	500,000	2,500,000	950,570	34,621	2016
Construction of 12 No. new clasrooms + WC	1,000,000	12,000,000	1,800,000	13,800,000	5,247,148	191,109	2018
Adaptation of 5 No. classrooms to Labs.	500,000		1,500,000	1,500,000	570,342	20,773	2018
20 No. of new computers	35,000		700,000	700,000	266,160	9,694	2018
Construction of new staff block + library	7,000,000	7,000,000	600,000	7,600,000	2,889,734	105,249	2019
Construction of V.I.P & staff block accommodation	7,000,000	7,000,000	550,000	7,550,000	2,870,722	104,556	2020
Subtotal		60,000,000	9,050,000	69,050,000	26,254,753	956,239	
Sport facilities							
Covered gymnasium	4,000,000	4,000,000		4,000,000	1,520,913	55,394	2021
Cricket, football, 2 No. volleyball courts, ice ring	1,000,000	1,000,000		1,000,000	380,228	13,848	2022
Subtotal		5,000,000		5,000,000	1,901,141	69,242	
Infrastructure: water supply, drainage, electricity	25,000,000	25,000,000		25,000,000	9,505,703	346,212	
Landscaping	8,000,000			8,000,000			
Subtotal		33,000,000		33,000,000	12,547,529		
TOTAL		116,000,000	9,500,000	125,500,000	47,718,631	1,737,986	
April 2011 values exluding future inflation						1Kc = 2.63 Rs	£1 = $72.21 Rs$

SPRING DALES PUBLIC SCHOOL COST PLAN FOR NEW CAMPUS

year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
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Rs	6,150,000	11,500,000	6,150,000	9,200,000	10,500,000	6,700,000	6,150,000	16,000,000	7,600,000	7,550,000	4,000,000	1,000,000
Kc	2,605,932	4,872,881	2,605,932	3,898,305	4,449,153	2,838,983	2,605,932	6,779,661	3,220,339	3,199,153	1,694,915	423,729
£	85,168	159,258	85,168	127,406	145,409	92,785	85,168	221,576	105,249	104,556	55,394	13,848

NEW ECO-FRIENDLY PASSIVE SOLAR SPRING DALES PUBLIC SCHOOL