



IDENTIFICATION

HAYDEUN PRIMARY SCHOOL

COUNTRY: LAOS
 PROVINCE, DISTRICT:
 BOLIKHAMXAY, BOLIKHAN
 ADDRESS:
 HAYDEUN VILLAGE

LOCATION



COORDINATES
 LATITUDE: N 18 39'25"
 LONGITUDE: E 103 35'17"
 ALTITUDE: 157 m

CONTEXT



SCHOOLYARD AND SCHOOL BUILDINGS



	TOTAL NUMBER	TOTAL AREA
TOTAL BUILDINGS	5	256 m ²
MAIN BUILDINGS	1	200 m ²
ANCILLORY BUILDINGS	4	56 m ²
TOTAL CLASSROOMS	3	
SCHOOLYARD AREA		9 216 m ²
TOILETS (NUMBER)	1	2

PEOPLE IN THE SCHOOL

	MALE	FEMALE	TOTAL
STUDENTS	32	29	61
TEACHERS	4	4	8
NON-TEACHING PERSONNEL	-	-	-

EDUCATIONAL TYPOLOGY

PRE (Preschool) P (Primary) S (Secondary) H (Highschool) O (Other)

USAGE

C (Curricula Activities) E (Extra-curricula Activities)

OWNER

P_B (Public) P_V (Private) R (Religious)

SPECIFIC VALUES / FUNCTIONS

HI (Cultural Heritage) EI (Used for Emergency Purposes)

CONSTRUCTION SITE RESTRICTIONS

L (Location) S (Site)

REFERENCE HAZARDS

Icons for Earthquake, Tsunami, Volcano, Landslide, Flood, Mudflow/Debrisflow, Glacial Lake Outburst, Coastal Erosion, Wind, Sandstorm, Lightning, Fire, Wildfire, and Other.

SAFETY EVALUATIONS

Icons for Location, Schoolyard, Main Buildings, and Ancillary Buildings with signal strength indicators.

EARLY WARNING

Icon for Early Warning (megaphone) and hazard symbols for Flood, Wind, and Fire.

VISUS SAFETY INDICATORS - FOR REFERENCE HAZARDS

Warning Roses for Main Buildings & Schoolyard and Ancillary Buildings. Multi-Hazard Diamond. VISUS Safety Stars (5 stars).

COMPLEMENTARY EVALUATIONS

Icons for Water & Sanitation, Maintenance, Accessibility, Comfort, Security, and Content Equipment with circular progress indicators.

LOCATION



TOPOGRAPHY



CONTEXT



DISTANCE FROM EMERGENCY SERVICES



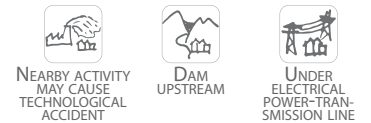
ACCESS TO SCHOOL



IMPENDING NATURAL HAZARDS



MAN-MADE POTENTIAL HAZARDS



SCHOOLYARD



FENCES / ACCESS



GEOMETRY



SURFACE



FACILITIES / EQUIPMENT



SAFE AREAS

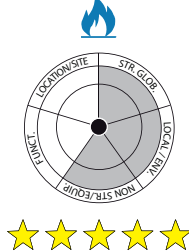


VISUS SAFETY INDICATORS: WARNING ROSES AND SAFETY STARS

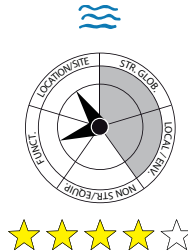
ORDINARY USE



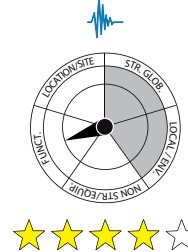
FIRE



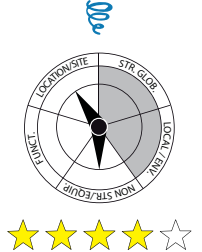
FLOOD



EARTHQUAKE



WIND



B01



BUILDING TYPE

PERMANENT
 SEMI PERMANENT
 NON PERMANENT

CONSTRUCTION DATE: 2004
STANDARD: NO STANDARD

GEOMETRY AND DIMENSIONS

NUMBER OF FLOORS ABOVE AND UNDERGROUND: /
 PLANT SHAPE:
 NUMBER OF STRUCTURAL UNITS:

ELEVATION SHAPE:
 COVERED AREA [m²]:

VERTICAL MAIN STRUCTURAL MATERIAL

E EARTH ADOBE
 C REINF. CONCR. CONCRETE
 W WOOD
 O OTHER

M MASONRY
 S STEEL
 B BAMBOO
 U UNKNOWN

ROOF MAIN STRUCTURAL MATERIAL

SL R.C. SLAB
 S STEEL
 O OTHER

C CONCRETE
 W WOOD
 U UNKNOWN

STRUCTURAL SYSTEM

VERTICAL PILLARS / PIERS ONLY

FLOOR

No FLOOR

ROOF

LIGHT-WEIGHT
 NON-RIGID
 CLAMPED

UTILIZATION

C CLASSROOMS
 WC TOILETS
 O OFFICES
 LAB LABORATORY
 LIB LIBRARY
 STO STORAGE ARCHIVE
 GYM GYM
 A AUDITORIUM
 K KITCHEN CANTEEN
 B BEDROOMS
 U UNUSED

NUMBER OF CLASSROOMS:
 OCCUPANCY (NUMBER OF PERSONS):

EQUIPMENT / FURNITURE

ELECTRICITY
 COMMUNICATION SYSTEM
 HIGHTECH
 BASIC
 MINIMAL

SERVICEABILITY

WATER
 FIRST AID
 HVAC
 HEATING
 ACCESSIBILITY
 FIRE PROTECTION

MAINTENANCE

ADEQUATE
 POOR

VISUS SAFETY INDICATORS: WARNING ROSES & SAFETY STARS

ORDINARY USE NORMAL CONDITIONS	FIRE LOW IGNITION CONDITIONS	FLOOD H _{WATER} : 1.0-2.0 m	EARTHQUAKE INTENSITY: I-V	WIND V: 63-118 km/h
★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★☆

B02



BUILDING TYPE

PERMANENT
 SEMI PERMANENT
 NON PERMANENT

CONSTRUCTION DATE: UNKNOWN
STANDARD: NO STANDARD

GEOMETRY AND DIMENSIONS

NUMBER OF FLOORS ABOVE AND UNDERGROUND: /
 PLANT SHAPE:
 NUMBER OF STRUCTURAL UNITS:

ELEVATION SHAPE:
 COVERED AREA [m²]:

VERTICAL MAIN STRUCTURAL MATERIAL

E EARTH ADOBE
 C REINF. CONCR. CONCRETE
 W WOOD
 O OTHER
 SL R.C. SLAB
 S STEEL
 O OTHER

M MASONRY
 S STEEL
 B BAMBOO
 U UNKNOWN
 C CONCRETE
 W WOOD
 U UNKNOWN

STRUCTURAL SYSTEM

UNREINFORCED WALLS

FLOOR

No FLOOR

ROOF

LIGHT-WEIGHT
 NON-RIGID
 CLAMPED

UTILIZATION

C CLASSROOMS
 WC TOILETS
 O OFFICES
 LAB LABORATORY
 LIB LIBRARY
 STO STORAGE ARCHIVE
 GYM GYM
 A AUDITORIUM
 K KITCHEN CANTEN
 B BEDROOMS
 U UNUSED

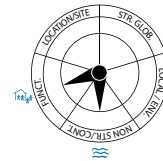
SERVICEABILITY

WATER
 HVAC
 ACCESSIBILITY
 FIRE PROTECTION

MAINTENANCE

ADEQUATE
 POOR

VISUS SAFETY INDICATORS FOR REFERENCE HAZARDS
WARNING ROSE / MAIN HAZARD



B03



BUILDING TYPE

PERMANENT
 SEMI PERMANENT
 NON PERMANENT

CONSTRUCTION DATE: UNKNOWN
STANDARD: NO STANDARD

GEOMETRY AND DIMENSIONS

NUMBER OF FLOORS ABOVE AND UNDERGROUND: /
 PLANT SHAPE:
 NUMBER OF STRUCTURAL UNITS:

ELEVATION SHAPE:
 COVERED AREA [m²]:

VERTICAL MAIN STRUCTURAL MATERIAL

E EARTH ADOBE
 C REINF. CONCR. CONCRETE
 W WOOD
 O OTHER
 SL R.C. SLAB
 S STEEL
 O OTHER

M MASONRY
 S STEEL
 B BAMBOO
 U UNKNOWN
 C CONCRETE
 W WOOD
 U UNKNOWN

STRUCTURAL SYSTEM

VERTICAL PILLARS / PIERS ONLY

FLOOR

No FLOOR

ROOF

LIGHT-WEIGHT
 NON-RIGID
 CLAMPED

UTILIZATION

C CLASSROOMS
 WC TOILETS
 O OFFICES
 LAB LABORATORY
 LIB LIBRARY
 STO STORAGE ARCHIVE
 GYM GYM
 A AUDITORIUM
 K KITCHEN CANTEN
 B BEDROOMS
 U UNUSED

SERVICEABILITY

WATER
 HVAC
 ACCESSIBILITY
 FIRE PROTECTION

MAINTENANCE

ADEQUATE
 POOR

VISUS SAFETY INDICATORS FOR REFERENCE HAZARDS
WARNING ROSE / MAIN HAZARD



B04



BUILDING TYPE

PERMANENT
 SEMI PERMANENT
 NON PERMANENT

CONSTRUCTION DATE: UNKNOWN
STANDARD: NO STANDARD

GEOMETRY AND DIMENSIONS

NUMBER OF FLOORS ABOVE AND UNDERGROUND: /
 PLANT SHAPE:
 NUMBER OF STRUCTURAL UNITS:

ELEVATION SHAPE:
 COVERED AREA [m²]:

VERTICAL MAIN STRUCTURAL MATERIAL

E EARTH ADOBE
 C REINF. CONCR. CONCRETE
 W WOOD
 O OTHER
 SL R.C. SLAB
 S STEEL
 O OTHER

M MASONRY
 S STEEL
 B BAMBOO
 U UNKNOWN
 C REINF. CONCR. CONCRETE
 W WOOD
 U UNKNOWN

STRUCTURAL SYSTEM

VERTICAL PILLARS / PIERS ONLY

FLOOR

No FLOOR

ROOF

LIGHT-WEIGHT
 NON-RIGID
 CLAMPED

UTILIZATION

C CLASSROOMS
 WC TOILETS
 O OFFICES
 LAB LABORATORY
 LIB LIBRARY
 STO STORAGE ARCHIVE
 GYM GYM
 A AUDITORIUM
 K KITCHEN CANTEN
 B BEDROOMS
 U UNUSED

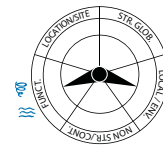
SERVICEABILITY

WATER
 HVAC
 ACCESSIBILITY
 FIRE PROTECTION

MAINTENANCE

ADEQUATE
 POOR

VISUS SAFETY INDICATORS FOR REFERENCE HAZARDS
WARNING ROSE / MAIN HAZARD



B05



BUILDING TYPE

- PERMANENT
 SEMI PERMANENT
 NON PERMANENT

CONSTRUCTION DATE: AFTER 2011
STANDARD: NO STANDARD

GEOMETRY AND DIMENSIONS

NUMBER OF FLOORS ABOVE AND UNDERGROUND: /
 PLANT SHAPE:
 NUMBER OF STRUCTURAL UNITS:

ELEVATION SHAPE:
 COVERED AREA [m²]:

VERTICAL MAIN STRUCTURAL MATERIAL

- E EARTH ADOBE
 C REINF. CONCR. CONCRETE
 W WOOD
 O OTHER
- M MASONRY
 S STEEL
 B BAMBOO
 U UNKNOWN

ROOF MAIN STRUCTURAL MATERIAL

- SL R.C. SLAB
 S STEEL
 O OTHER
- C CONCRETE
 W WOOD
 U UNKNOWN

STRUCTURAL SYSTEM

- UNREINFORCED WALLS

FLOOR

- NO FLOOR

ROOF

- LIGHT-WEIGHT
 NON-RIGID
 CLAMPED

UTILIZATION

- C CLASSROOMS
 WC TOILETS
 O OFFICES
 LAB LABORATORY
 LIB LIBRARY
 STO STORAGE ARCHIVE
 GYM GYM
 A AUDITORIUM
 K KITCHEN CANTEEN
 B BEDROOMS
 U UNUSED

SERVICEABILITY

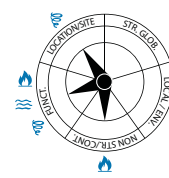
- WATER
 HVAC
 ACCESSIBILITY
 FIRE PROTECTION

MAINTENANCE

- ADEQUATE
 POOR

VISUS SAFETY INDICATORS

WARNING ROSE



VISUS SAFETY STARS



SCHOOLYARD

Schoolyard



Evidence: Holes or potholes

Intervention: Cover the hole or level the surface

Schoolyard



Evidence: Potential falls due to uneven floor or tripping hazards

Intervention: Remove the hazardous elements

Schoolyard



Evidence: Potential falls due to uneven floor or tripping hazards

Intervention: Remove the hazardous elements

MAIN BUILDINGS

Building B01



Evidence: Free flow of water into building

Intervention: Define an evacuation plan in case of flood

Building B01



Evidence: Potential falls due to the absence of protecting measures

Intervention: Reduce the step height or install parapets

Building B01



Evidence: Falling objects (signage)

Intervention: Remove the hazardous elements or protect from exposure

ANCILLARY BUILDINGS

Building B02



Evidence: Non accessible toilets for people on wheelchairs

Intervention: Install a ramp for access and/or build a new accessible toilet

Building B03



Evidence: Siding hazards - unsecured external sidings

Intervention: Fix or remove the unsecured external siding

Building B03



Evidence: Falling objects hazards - elements from roof

Intervention: Remove the hazardous objects

Building B04



Evidence: Siding hazards - unsecured external sidings

Intervention: Fix or remove the unsecured external siding

Building B05



Evidence: Potential fall of suspended lifeline (e.g. electrical)

Intervention: Secure the suspended lifeline and its connection with the building