OPERABLE SCREENS ALLOW LIGHT, PRIVACY AND VIEWS

HEAR THE SOUND OF THE RAIN ON THE METAL ROOF

DIFFUSED VIEWS OF TREES THROUGH SLAT SCREENS

APPROACH TO ALPINE SPORTS ACADEMY
SOLAR PANELS PROVIDE 6.1 KW OF ELECTRIC POWER

RAIN COLLECTION

CLERESTORY WINDOWS ALLOW LIGHT TO BATHROOM AND CORRIDOR

CLERESTORY WINDOWS AND GLASS PANELS ALLOW LIGHT TO BEDROOM

RAMMED EARTH WALLS PROVIDE THERMAL MASS

ROOF OVERHANG PROVIDES SOLAR SHADING, SHELTER AND PROTECTION FROM WEATHER AND WATER DAMAGE

OPERABLE WINDOWS FOR VENTILATION

ROOF OVERHANG PROVIDES SOLAR SHADING, SHELTER AND PROTECTION FROM WEATHER AND WATER DAMAGE

CLERESTORY WINDOWS AND GLASS PANELS ALLOW LIGHT TO BEDROOM
**ROOF ASSEMBLY**

Standing seam metal roof panel system
Integrated gutter directs water to a rainwater harvesting system
6.1 kW of photovoltaic cells attached to rooftops provide off-the-grid power
2x6 pine beetle kill tongue and groove ceiling
Salvaged wood used for exposed beams

**SCREEN PANEL ASSEMBLY**

Wood screen panels pre-fabricated off site
1x8 FSC lumber
Adjustable louvres for south-facing screens

**GLASS AND FRAMING ASSEMBLY**

Pre-fabricated aluminum structure
Operable windows for ventilation

**WALL AND FLOOR ASSEMBLY**

Site-built rammed earth walls provides thermal mass and
sound-proofing and is rodent, mold and fire-resistant
4 1/2 inch SIP panels for wall insulation
Radiant floor heat system