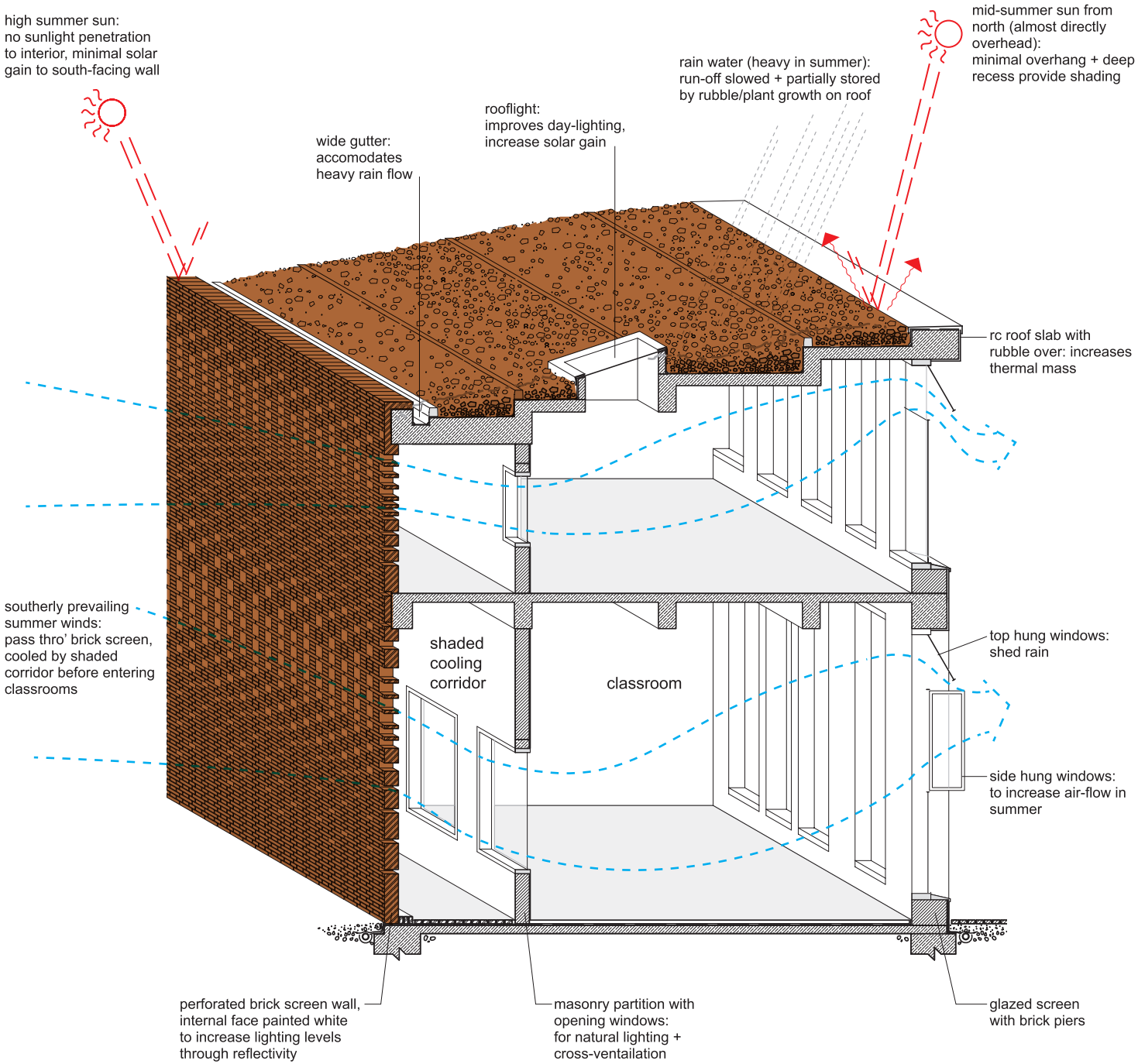
high summer sun:
no sunlight penetration
to interior, minimal solar
gain to south-facing wall
wide gutter:
accomodates
heavy rain flow
rooflight:
improves day-lighting,
increase solar gain
rain water (heavy in summer):
run-off slowed + partially stored
by rubble/plant growth on roof
mid-summer sun from
north (almost directly
overhead):
minimal overhang + deep
recess provide shading
rc roof slab with
rubble over: increases
thermal mass
southerly prevailing
summer winds:
pass thro' brick screen,
cooled by shaded
corridor before entering
classrooms
shaded
cooling
corridor
classroom
top hung windows:
shed rain
side hung windows:
to increase air-flow in
summer
perforated brick screen wall,
internal face painted white
to increase lighting levels
through reflectivity
masonry partition with
opening windows:
for natural lighting +
cross-ventailation
glazed screen
with brick piers