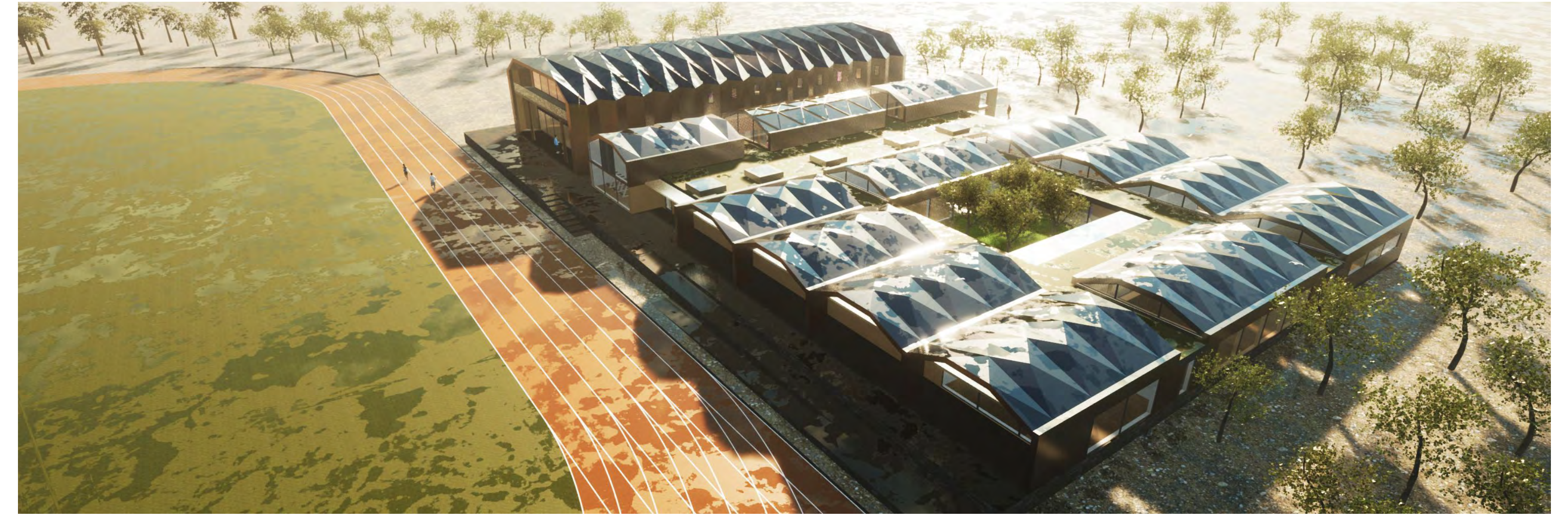


Northwest Aerial View

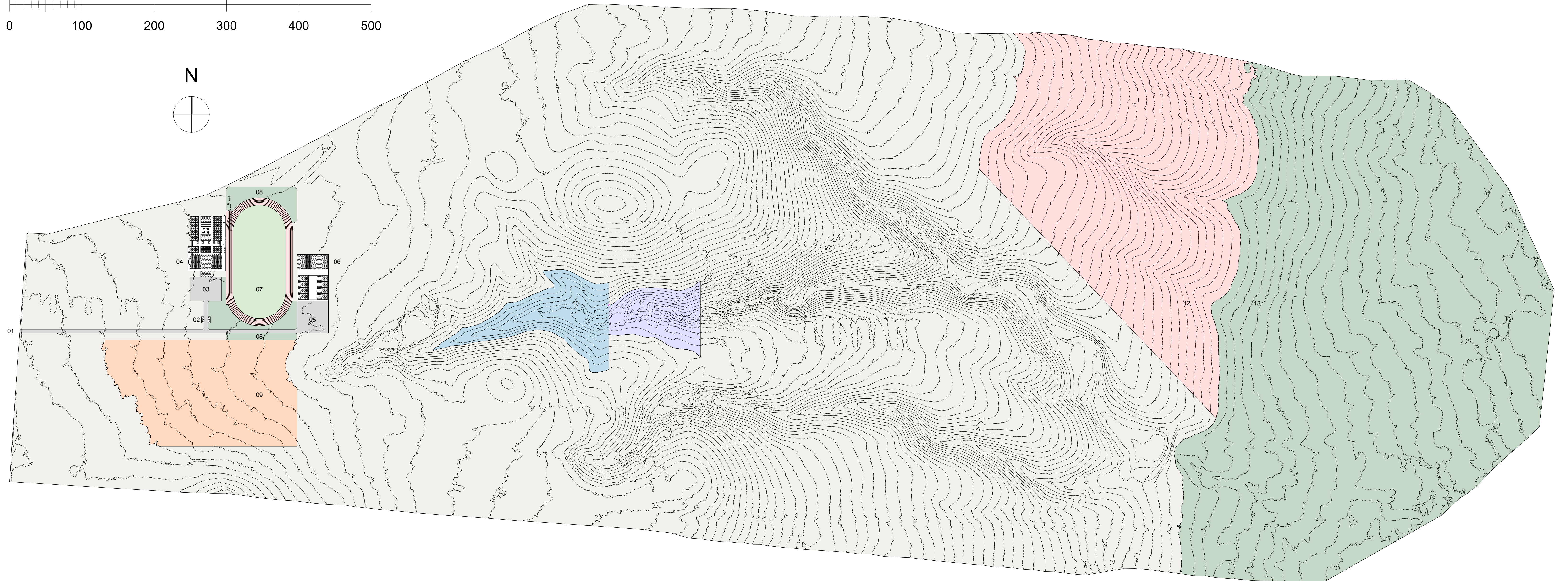
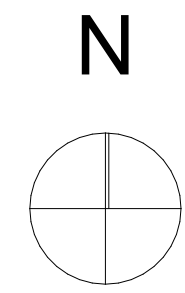


Northeast Aerial View

- 01 Approach Drive Road Junction
- 02 Guardhouse and Substation
- 03 COAF School Parking
Indicative only; defined area subject to numbers
- 04 COAF SMART SCHOOL COMPLEX
- 05 Events Centre Parking
Indicative only; defined area subject to numbers

- 06 EVENTS CENTRE COMPLEX
- 07 Athletics Field
IAAF Standard 800m Running Track
- 08 Dense Tree Planting
Athletics Field Wind Buffer
- 09 Fuel Crop
Eg Acanthus for Biomass Boilers

- 10 Freshwater Reservoir
Damming across natural valley.
- 11 Reed Bed Reservoir
On-site natural sewage treatment.
- 12 Vineyard
- 13 Orchard





Front Entrance



Reception

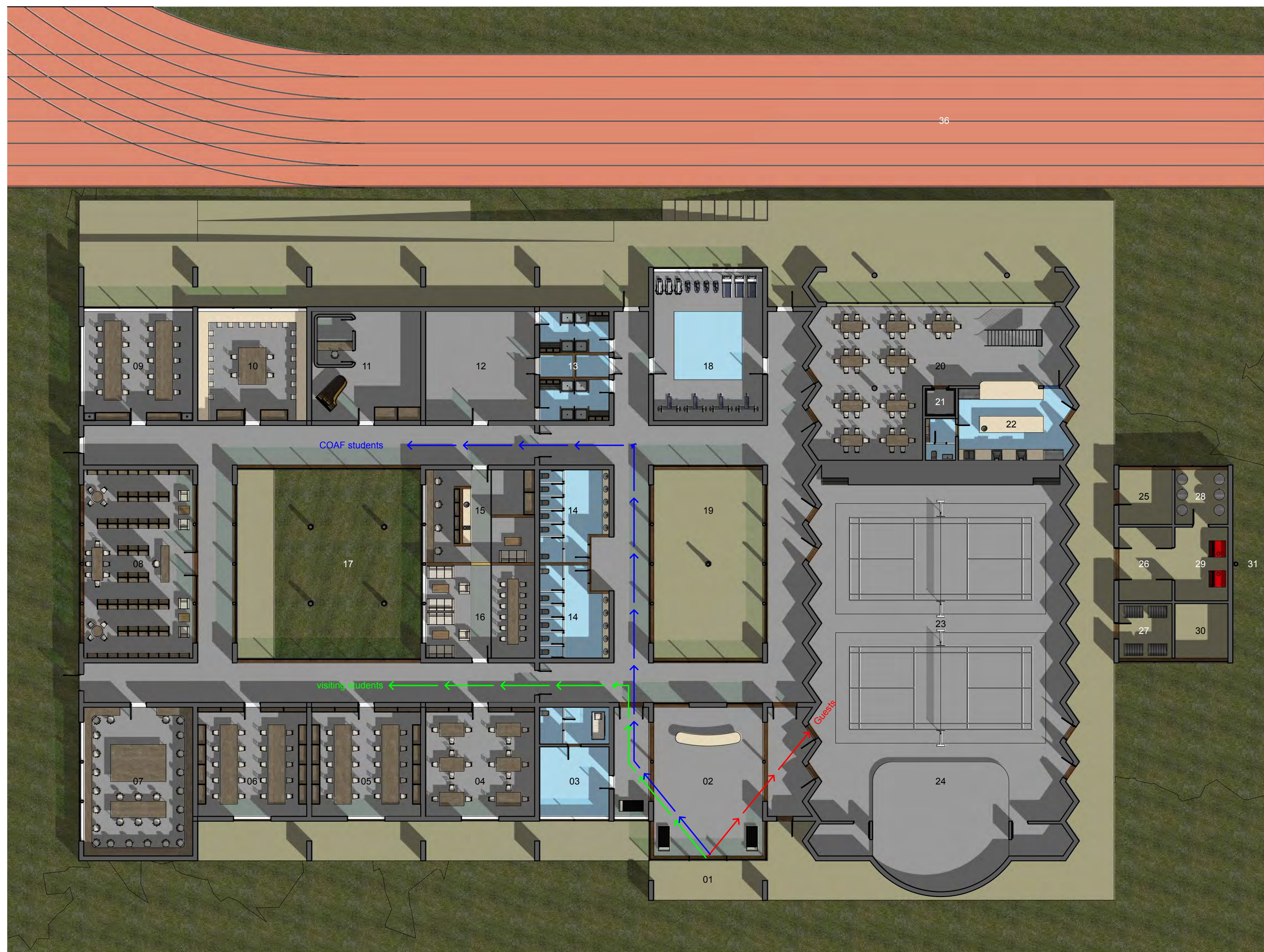
- | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> 01 Main Entrance 02 Reception 03 Health Suite 04 SEN Geography 05 SEN Biology 06 SEN Chemistry/Physics 07 Digital Design Suite Perimeter workstations, central printing & modelling 08 Library Glazed walls through to courtyard and landscape 09 Art Room Sheltered terrace, additional full-height North windows 10 Robotics Room Perimeter workbenches with shelving over. Bench-height windows. 11 Music Room Clerestory light only. Acoustic panelling to walls. Demountable recording booth. | <ul style="list-style-type: none"> 12 Dance Studio Clerestory light only. Mirrored panelling to walls. Sprung timber floor. 13 Changing, Showers, Stores Shared between Dance Studio, Gym and Athletics 14 WCs, Baby Change 15 Staff: Office, Kitchen, Resource, Quiet Room 16 Staff: Lounge, Meeting 17 Reading & Painting Courtyard With canopy shelter 18 Gym 19 Cultural Corner Openable courtyard under diagrid conservatory roof 20 Cafeteria - Lower Level 21 Lift 22 Commercial Kitchen and Servery With Staff WC and Change | <ul style="list-style-type: none"> 23 Auditorium Hall Sport Mode: Seating retracted. 2x badminton courts 24 Stage 25 Kitchen Bulk Stores 26 Field Stores 27 Bin Store 28 Plant Room - Thermal Stores 29 Plant Room - Biomass Boilers 30 Wood-chip Bulk Store 31 Car Park 32 Cafeteria Upper Level - Viewing Terrace 33 Translation Booth 34 Projection Room 35 Auditorium Hall Performance/Conference Mode: Seating extended. 36 800m Running Track and Sports Field IAAF Standard Track |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Our School uses the typology of an older centre of learning, that lies at the heart of Armenian culture; the Monastery. Cloisters and courtyards link the various built elements of the School, providing constantly unfolding views and changing patterns of light to engage and inspire young minds.

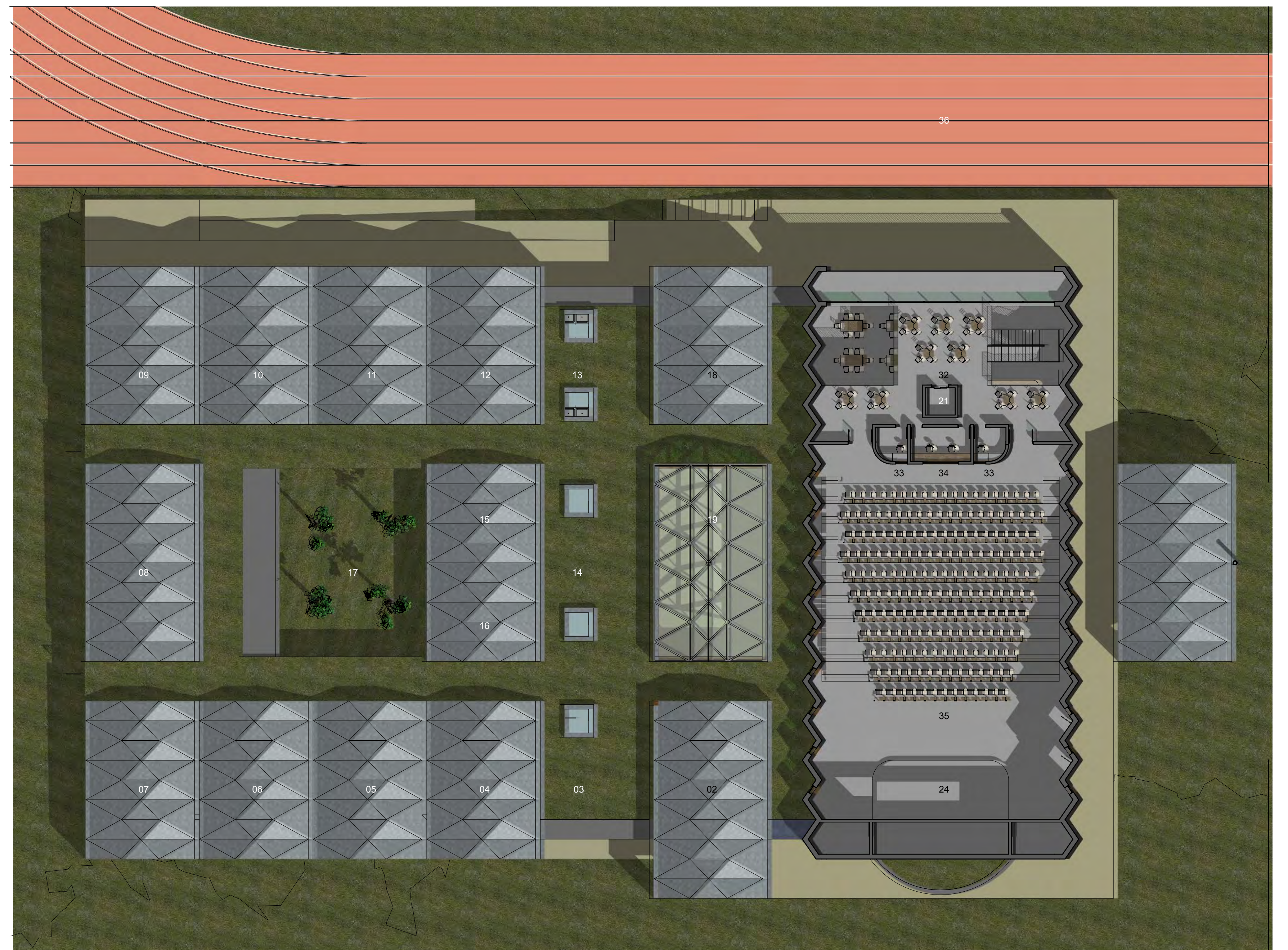
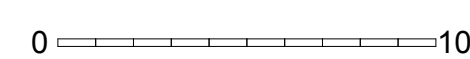
Set atop a stone plinth, the carbon negative complex is entirely offsite fabricated and delivered as complete wall and roof bays, using an anti-prismatic Yoshimura folded plate comprising double-layered 40mm CLT panels with integral cellulose insulation at 350mm o/a thickness, as developed at the Swiss Federal Institute of Technology. The plan uses simple rectilinear shapes to enhance earthquake resistance, and a repetitive bay form that allows for interchangeable room functions and later expansion.

Rooms are careful to maximise daylight whilst limiting both solar gain and glare, with high level clerestories to gables and horizontal polished shelves to shade tall windows, reflecting sunlight up into the vaulted ceilings, negating the need for blinds. The CLT is expressed internally, lime-bleached in classrooms, and is clad in zinc shingles externally. The resultant skin is vapour open, requiring air handling in wet rooms only.

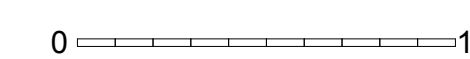
The School is located at the northeastern and flattest corner of the site, visible from the road, with the primary hall centred on the running track. The future Events Centre will face it across the sports field. As the School employs twin wood-chip biomass boilers, coupled to thermal stores, the flat southwestern grounds will grow mechanised fuel crops such as Acanthus. Using the topography of the site, rain water is stored in the upper half of the valley, with reed-bed sewage ponds in the lower reaches, orchards to the East taking up the nutrients. The steeper East-facing slopes are ideal for terraced vines.



Ground Floor Plan 1:200



First Floor Plan 1:200





Cafeteria & Servery



Geography - Typical Classroom



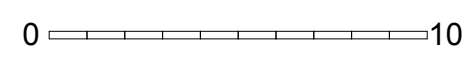
Reading & Painting Courtyard



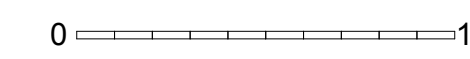
Auditorium



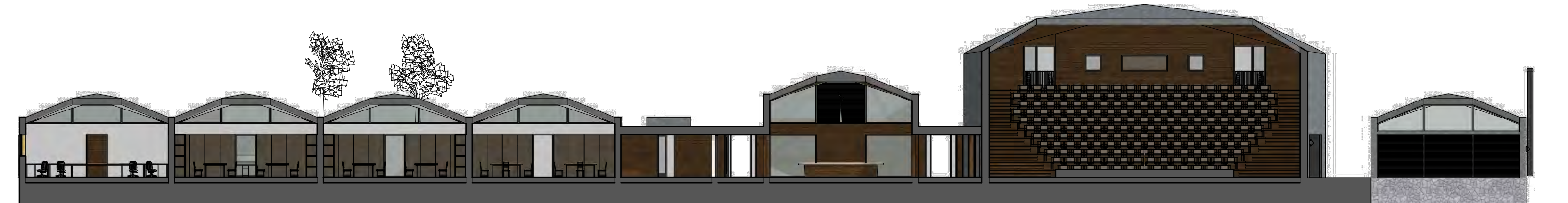
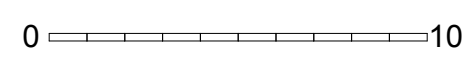
Elevation East 1:200



Elevation West 1:200



Section Transverse 1:200



Section Longitudinal 1:200

