

01.1 About Trinity Ministries

History of Trinity Ministries

Trinity Ministries is led by Raja Selvaraj along with his daughter, Sharon Selvaraj, and his daughter's husband, Jacob Selvaraj. Trinity Ministries has global connections with support from Trinity Charitable Trust in Tamil Nadu and Global Outreach Mission in Canada. Trinity Trust was registered in 1991 by Raja and Emily Selvaraj. Prior to the establishment of Trinity Ministries, Raja and Emily were serving with SIM and were planning to continue their work with pastoral training and children ministries in India. The Trinity Trust was established with the purpose of sharing the gospel of Christ through education, aid relief, and other methods. Trinity Ministries' hope is to teach children through a relationship of trust and it has been operating in this manner, within various children's hostels, for almost 25 years.

Raja Selvaraj moved to Dubai in 1960 to work with IBM where, in 1971, he also met and married Emily. While in Dubai, Raja began to feel a strong sense of calling to serve God back in his home country of India. With this in mind, and in preparation to follow this calling, he and Emily moved to Canada in 1972 to attend bible college.

In 1980, Raja and his family moved back to India to join Ceylon India General (CIG) Mission in Sathyamangalam. This became their home until 2007. In 1981, Raja was appointed the chairman of CIG, which was previously the International Christian Fellowship (ICF), and he was invited to teach in CIG churches. The family also began working in children's hostels, initially with 14 girls under their care, with 7 boys added in 1990.

In 1997, Trinity Ministries began operating the girl's hostel at another CIGM property approximately 15 km outside of Sathyamangalam and by 2015, the children's hostel ministry had grown to 65 girls and 35 boys.

History of Project Site

Trinity Ministries work to support children from families in critical states of poverty as well as some who are orphans. In the past, they have run both a boys and girls hostel that provide a safe place for the children they serve to live in, while at the same time giving space for vocational training and bible study. At the end of their time with Trinity Ministries, these children are not only able to return to the community they came from as integrated adults, but they are also able to share their faith and their experiences of Christian community to the people they meet in their daily lives.

Both the boys and girls hostels that Trinity Ministries originally operated were situated on rented land; however, the project site described in this report has been purchased. This will allow Trinity Ministries to fulfil their desired objective to own the land on which their hostels are to be sited. This will give them the ability to plan for the future and to develop a proper strategic plan in accordance with their own vision.

As step one of this long term vision, Trinity Ministries have decided to utilise the site to provide a boys hostel as well as a multipurpose facility that can be rented out to host major events, such as weddings and pastoral retreats. In addition to serving their vision, it will help provide a source of income that will ensure Trinity Ministries' sustainability.

Additional Properties

At some point in the future, Trinity Ministries hope to purchase another property (described in the appendix as Site 2). This would be used for a future girls hostel and for women's ministry activities. Other Trinity-owned properties (described in the appendix as Site 3 and Site 4) are also available for expansion or for future ministry opportunities, such as a bible school, a retreat centre, or additional hostels.



Trinity Ministries Above



EMI UK Project Team Discussing Design with Trinity Ministries Above

01.2 About EMI UK

EMI UK is a Christian ministry that designs facilities that serve the poor in developing countries. These facilities (including hospitals, orphanages, schools, clean water projects and more) directly impact communities by meeting physical needs and communicating God's love in a practical way. We partner with Christian workers, pastors, and other charities who have a vision to help the poor and preach the Gospel of Jesus Christ. From our offices around the world, over 100 staff and interns labour to bring the Gospel to the poorest and least reached peoples on earth.

To produce our designs, we blend our team of in-house project managers with talented volunteer architects, engineers, land surveyors and construction managers recruited from around the world. These volunteers donate their time and travel costs to join our teams, adding their expertise and insight to give our clients the best designs possible. Since 1982, we've worked on over 1,000 relief and development projects in more than 90 countries. Last year, we worked on 83 projects, completed many others and donated over 63,000 hours in services to our client partners.

About Design Team

On 26th May to 4th June, the project design team visited the site in India. The team spent time in-country with the ministry, understanding their vision, assessing the site location and conditions, researching local building methods and materials, and beginning the site design. Before leaving India, the design team presented the proposed design to the Trinity Ministries leadership team.

The design team included staff from EMI UK: **David Burgess** (General Engineer, UK), **Suzanne Cox** (Civil Engineer EIT, USA), **Chi Wei Huang** (Architectural Student, EMI UK Intern, Taiwan); EMI India: **Madhulika Baronia** (Staff Architect, India), **Abhishek Chacko** (Associate Staff, India); and other volunteer design and construction professionals: **Mike Pond** (Architect, USA), **Colin and Kathleen Wassenaar** (Survey Support and Civil Engineer, Canada), and **Berlin Raj** (Civil Engineer, India). Other support staff from EMI UK continued the design work after the project trip, such as Mike Woods (Architect, UK) and Alison Lloyd (Architectural Student, UK).

EMI UK would like to thank our staff, volunteers and interns for partnering with us to serve Trinity Ministries. Together, the team has contributed over 1300 hours of professional design services, worth over £60,000. Without them, this project would not have been possible.



Above EMI UK Project Trip Design Team

01.6 Design Brief



Above Children in Patna, Bihar



Above Street Traffic in India

Trinity ministries seeks to establish a facility that will enable them to continue building for the Kingdom of God in their community. The buildings will house a number of different activities, all with the same vision to transform the lives of the spiritually and physically poor.

The design for Trinity Ministries should be...

God-Glorifying and Community-Focused

This project will expand their ministry and reach within the community, giving greater opportunity to show the love of Christ to people in need. It should provide a source of revenue that can be channelled toward further kingdom initiatives and an opportunity to develop relationship with local people.

Beautiful

Set to the backdrop of majestic mountain ranges, the composition of buildings and landscape should reflect the value of the people using it and the dignity restored to those who are in Christ. This will be an environment of inspiration and tranquillity, encouraging people toward spiritual maturity and experiencing life to the full.

Flexible

The design should have the capacity to host a variety of activities that may change over time and be adapted to the evolving needs of the ministry with regard to scale and scope. This should include spaces that are specifically designed for multi-use as well as the potential for various spaces to adapt for different uses within each area.

Sustainable

The buildings and complete campus design should involve a responsible approach to energy use and water distribution as well as promoting all aspects of social and economic sustainability. It should achieve high standards of building efficiency and make use of locally available resources wherever possible. Where 'the State is facing acute power shortage due to increasing demand' (Tamil Nadu 5 year plan, 2012-2017) the facility will seek to promote solar and renewable sources as far as possible.

Together these elements support the overall focus of the ministry: to disciple young people who will become community leaders that show the love of Christ.

The site must allow for two main purposes; a multipurpose facility that can be used for weddings, church services and pastoral training as well as a children's' hostel able to house up to 48 boys with staff.

The *Multipurpose Facility* will provide...

An event hall with capacity to host 500 people for a wedding or church service

Multifunctional teaching rooms for pastoral retreats and/or bible classes

A small accommodation block for visiting pastors

Adequate facilities to receive and serve catering for functions

A covered outdoor eating/overflow area

The *Children's Hostel*, whilst adhering to government requirements, will provide...

Accommodation for up to 50 boys of various ages

Accommodation for superintendent and wardens

Classroom and workshop space for children

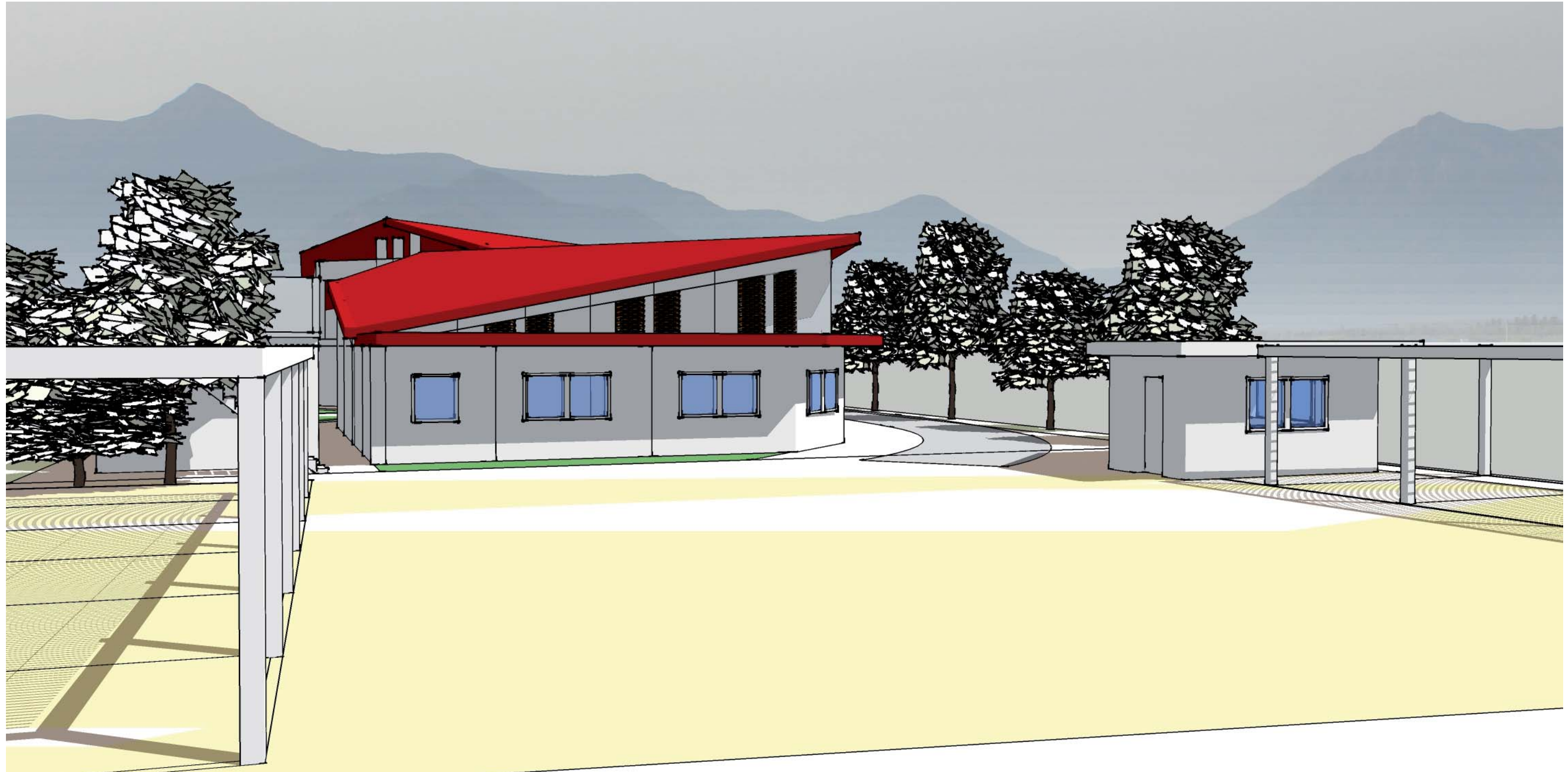
Administration facilities, including security and nursing room

02.1 Masterplan



Rendered View of Masterplan **Above**

02.1 Masterplan (Continued)



Above Rendered View showing Site Entrance

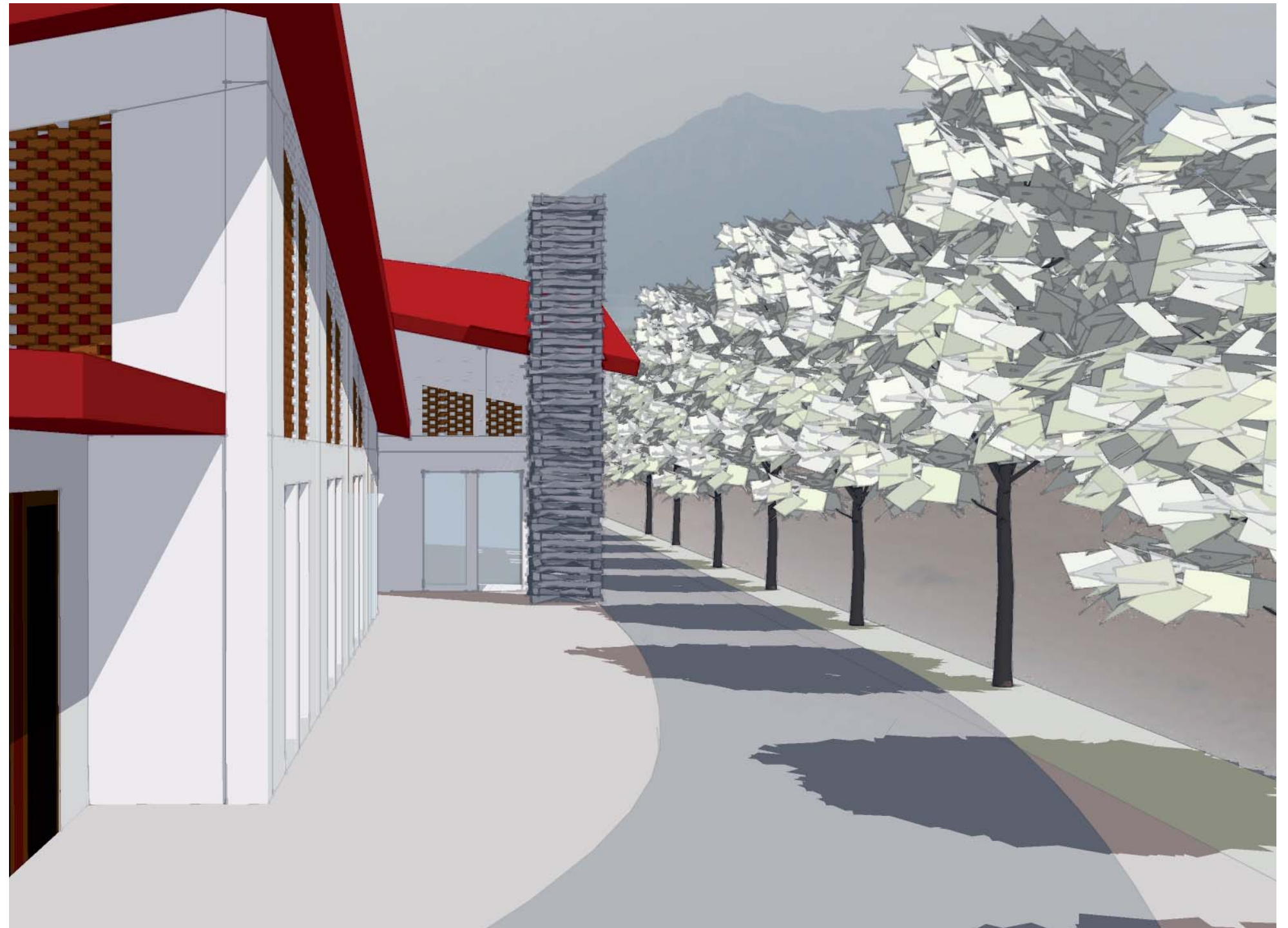
03.1 Entrance Experience

Local travel in India often includes motorbikes, auto rickshaws, and public transport. The car park is therefore designed to accommodate motorbikes and stopping spaces, with only a limited number of bamboo-covered parking bays for cars. From here, covered walkways running alongside the car park direct visitors towards the entrance. A pedestrian path leads visitors directly towards the focal point: a towering stone pillar. On reaching the stone, visitors can turn into the passageway between the buildings. This is a significant transition point and entrance into the multipurpose facility. Leading on from the stone pillar, high stone walls and bamboo shading overhead create a collage of texture and light, allowing visitors to focus their hearts and minds on what is before them.

A landscaped courtyard, with a large tree planted as a centrepiece, lies at the heart of the multipurpose facility. It is enclosed by the multipurpose facility and the event hall, yet has views towards the mountain range to the north. Views of the courtyard will lead visitors towards a central circulation space, from which the individual buildings can be accessed.



Rendered View through Passageway into Courtyard **Above**



Rendered View of Pedestrian Path **Above**



Rendered View of Multipurpose Event Hall **Above**

03.3 Children's Hostel

The hostel is designed as a two storey structure and can be built in several construction phases. Rooms are grouped according to their proposed functions and are designed to allow clear separation between living, working and recreational spaces. Dormitory rooms are generally located on the first floor, with the exception of one dormitory that is located on the ground floor. It is proposed that this dormitory is used to accommodate children that may have a physical disability or difficulty using stairs. External circulation between rooms makes use of shaded walkways, creating a sense of openness, while a central open air courtyard, with places to sit or play, has been designed as an area where children can gather informally throughout the day.

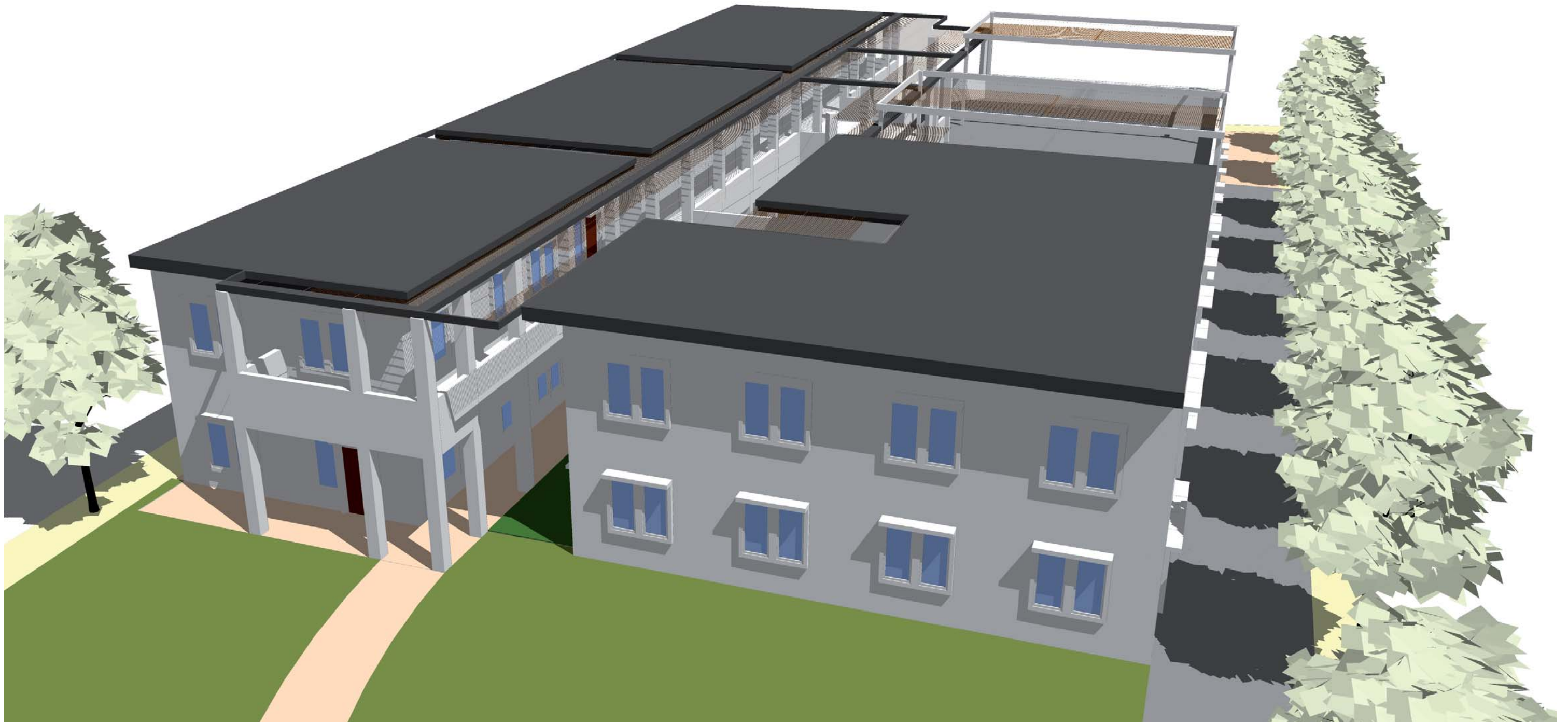
The new buildings include an administration block (Phase 1C) with offices, security, first aid and counselling facilities, and toilets for staff at ground floor level. Several other resources are available in nearby buildings, such as a classroom and library (Phase 1B), where children can pursue after school learning or extracurricular studies. The dormitories will provide accommodation for up to 50 children, but will be split across several construction phases. The phasing proposed allows dormitories to be built for 10 boys in Phase 1A, 8 boys in Phase 1B, 6 boys in Phase 1C, and the remaining 26 boys in Phase 1E. In order to meet local government requirements for a children's hostel for 50 children, Phase 1 should be completed in its entirety. Phase 1E provides accessible dormitory and toilet facilities on the ground floor.

Accommodation and learning spaces on the first floor are connected by a series of bridges and verandas, which spreads circulation out along the building. From below, these bridges create a rhythm of light and shade, which echoes the patterns of the passageway in the multipurpose facility. The children's hostel kitchen and dining hall are located alongside the service road, allowing easy access for deliveries and waste collection. While the kitchen is fully enclosed, the dining hall is only enclosed on two sides with jali walls, creating a more informal, open and naturally ventilated space where the staff and children can gather and eat.

A vocational training facility is located in the main workshop, adjacent to the dining hall. This may be used to train boys in skills such as carpentry, which can provide technical skills that may benefit and inspire future vocational careers. There is an additional workshop and classroom space available on the open roof space above. This roof space is flexible and can be used for various learning or recreational activities. It is designed with lightweight jali walls and bamboo shading, with views of the mountain range beyond. The proposed flat roof construction also includes space for water tanks or solar panels.



Above Rendered View showing Hostel Entrance



Rendered View of Children's Hostel Above

03.1 Green Spaces

Past the multipurpose event hall lies a retaining wall, which naturally prevents visitors from wandering past the hall into private space. Beyond the retaining wall, the open green space spreads across the property with a gravel pedestrian path leading to the entrance of the children's hostel. The green space helps to reduce heat gain and encourages surface water infiltration as a soak field. It can be used by and benefit both the multipurpose facility and children's hostel. A small access gate from the multipurpose event hall can be used for guests to make their way into the green space for special events or after church services. At other times, with this gate closed, the green space can be used by the children's hostel for sports and recreation. The retaining wall and trees will help maintain security and visual privacy for the children residing in the hostel.

Behind the children's hostel, along the northern property boundary, additional green space is available and can be used for a rainwater collection tank, laundry stones for washing clothes, or potentially for agricultural space, such as vegetable gardens. This area, adjoining the workshop, is an ideal space for additional horticultural or water education learning spaces, as well as outdoor cooking space.



Above Rendered View showing Open Green Space



Above Rendered View showing Green Space behind Children's Hostel

Emergency Exit and Design

During the detailed design stage, emergency exits should be carefully considered. In the multipurpose event hall, the majority of seating is provided on the ground floor, with additional seating on the mezzanine level above (accessed by a staircase), both of which should be served by several emergency exits. For the children's hostel, there should be a minimum of two exits from each floor. The proposed external circulation routes will reduce the threat of smoke during a fire; however, exits should be clearly marked, particularly within the internal courtyards. From both sites, there should be easy access to emergency assembly points, which should be clearly signposted throughout the buildings. Fire fighting equipment, such as extinguishers or sand, should be visible and accessible in accordance with local fire safety regulations and requirements, and the open green space between buildings has been designed to allow access for ambulances and fire engines.

NOTES

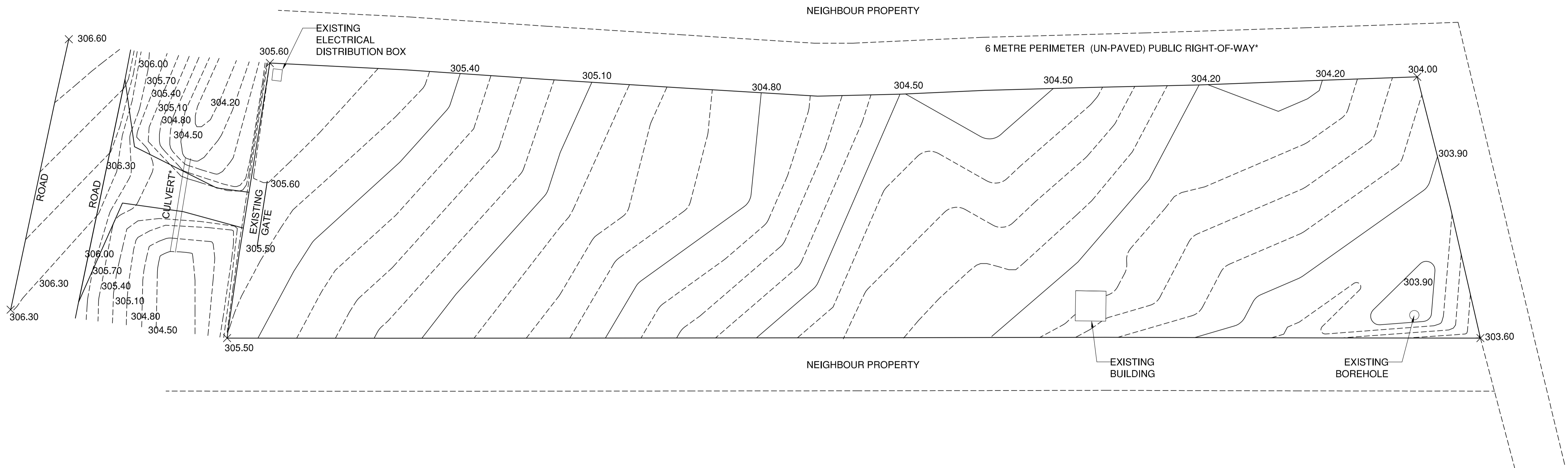
*CULVERT AND PERIMETER ROAD, LOCATIONS SHOWN INDICATIVELY

LEVELS ARE MEASURED FROM AN ARBITRARY DATUM AT 303 METRES

MAJOR CONTOUR INTERVALS: 0.30 METRES
MINOR CONTOUR INTERVALS: 0.075 METRES

SITE AREA ENCLOSED BY FENCELINE:
4056 SQUARE METRES
0.406 HECTARES

SITE FALLS NORTHEAST GENERALLY,
GRADE 1:70 (1.4%)



01 EXISTING SITE PLAN
1:250/1:500



REVISION:	A
DATE ISSUED:	AUG 2015
SCALE:	1:250/1:500
SIZE:	A1/A3
PROJECT NO:	11020
DRAWING NO:	A0.00

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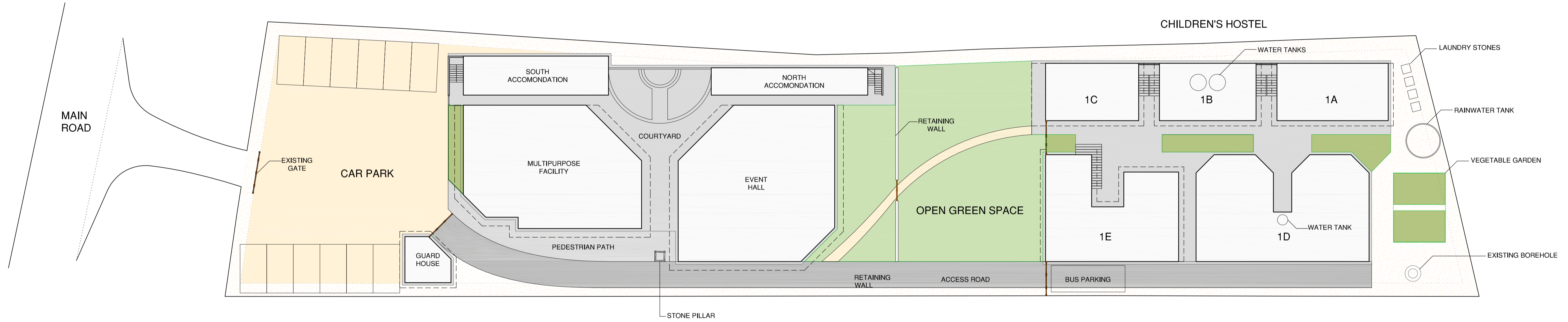
ALL DIMENSIONS TO BE CONFIRMED BY SITE MEASUREMENT PRIOR TO CONSTRUCTION

QUALIFIED AND REGISTERED LOCAL DESIGNER TO ENSURE ALL DRAWINGS COMPLY WITH ALL RELEVANT STANDARDS AND REGULATIONS

ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED

KEY

- CAR PARK
- OPEN GREEN SPACE
- PLANTING AREA
- ACCESS ROAD
- CONCRETE SLABS
- BUILDINGS



TRINITY MINISTRIES - TAMIL NADU, INDIA
MASTERPLAN
PROPOSED MASTERPLAN

REVISION:	A
DATE ISSUED:	AUG 2015
SCALE:	1:250/1:500
SIZE:	A1/A3
PROJECT NO:	11020
DRAWING NO:	A0.01

01 PROPOSED MASTERPLAN
1:250/1:500



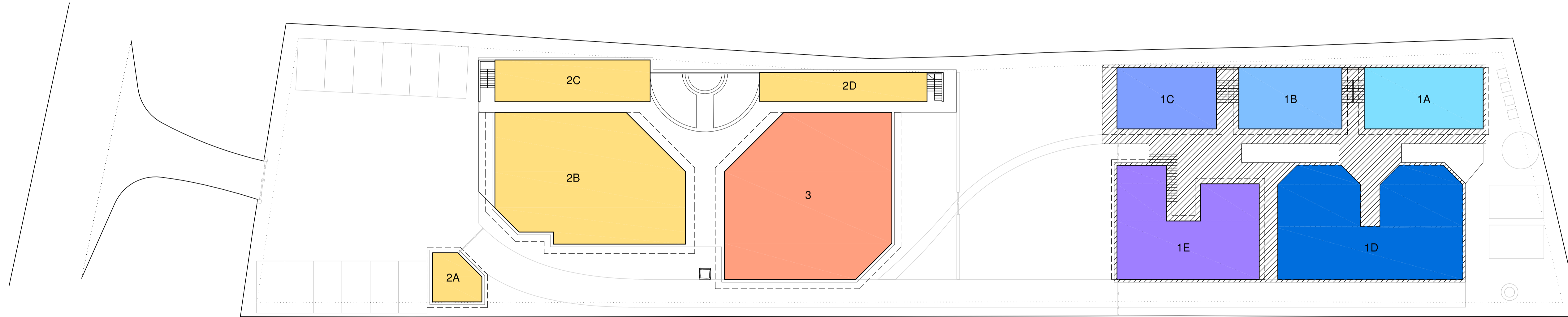
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01 PROPOSED PHASING PLAN
1:250/1:500



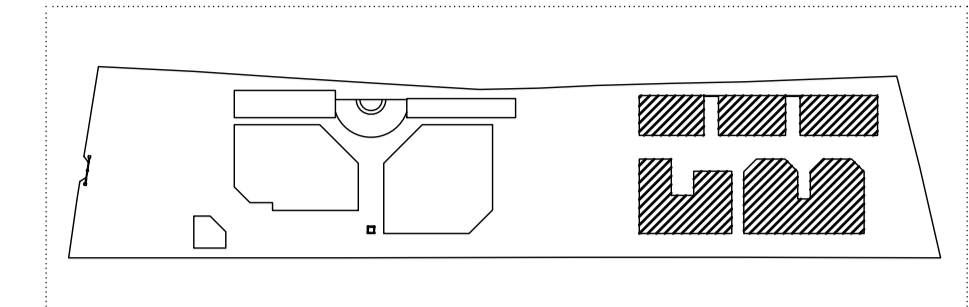
TRINITY MINISTRIES - TAMIL NADU, INDIA
MASTERPLAN
PROPOSED PHASING PLAN

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AUG 2015
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PROJECT NO:
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KEY PLAN

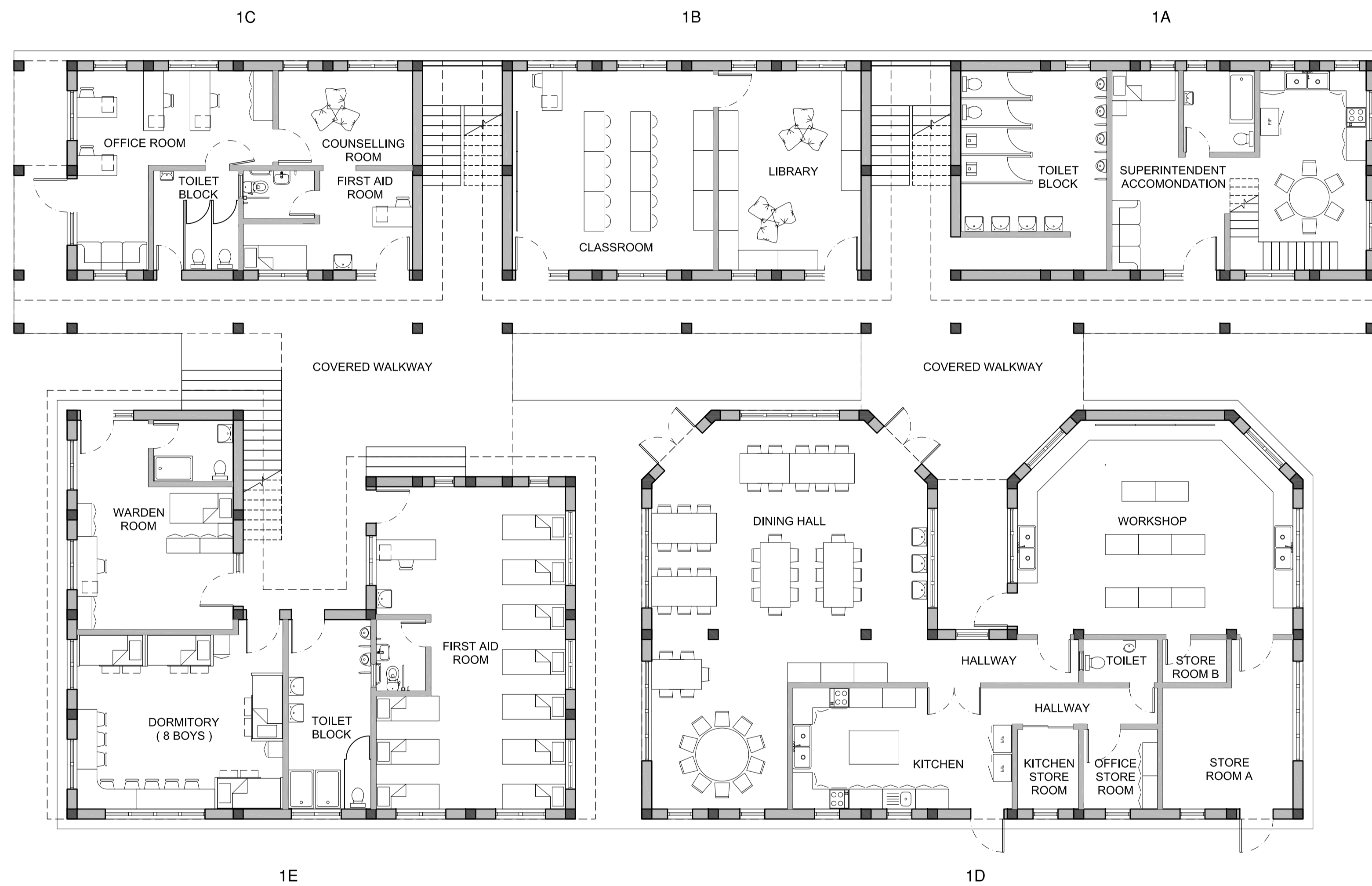


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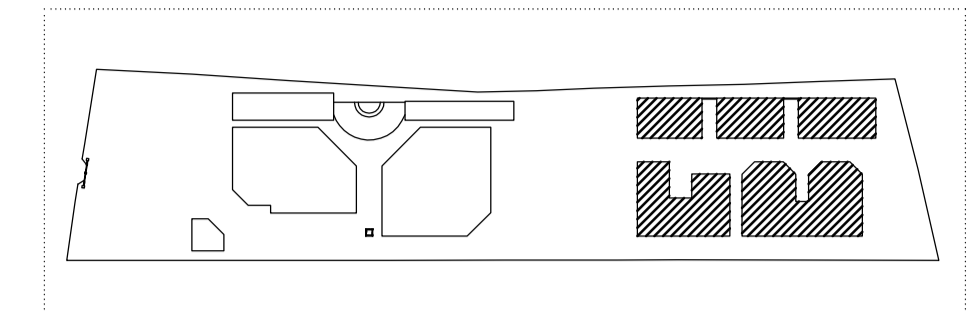


01 PROPOSED GROUND FLOOR PLAN
1:100/1:200



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SCALE:	1:100/1:200
SIZE:	A1/A3
PROJECT NO:	11020
DRAWING NO:	A1.01

KEY PLAN

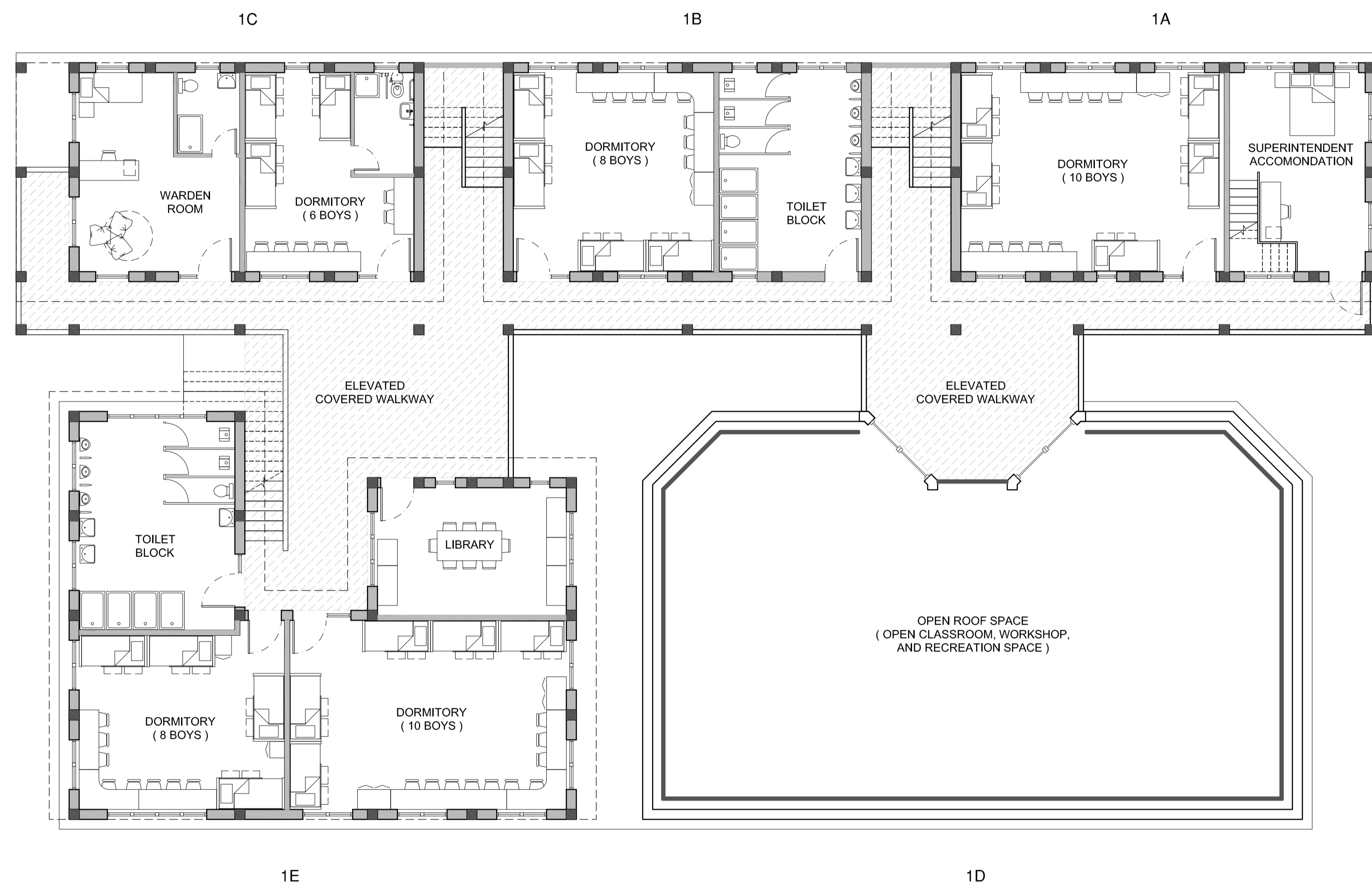


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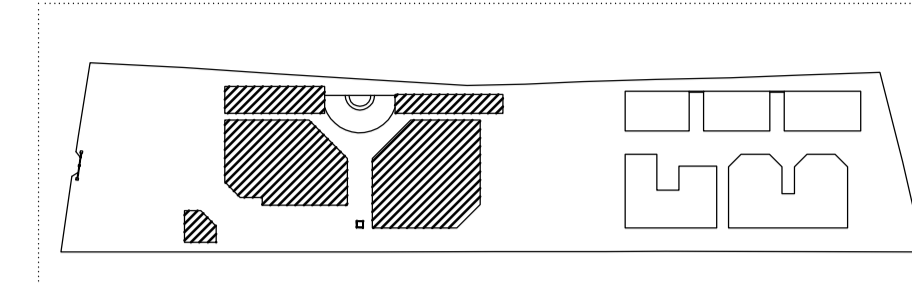


01 PROPOSED FIRST FLOOR PLAN
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PROJECT NO:	11020
DRAWING NO:	A1.02

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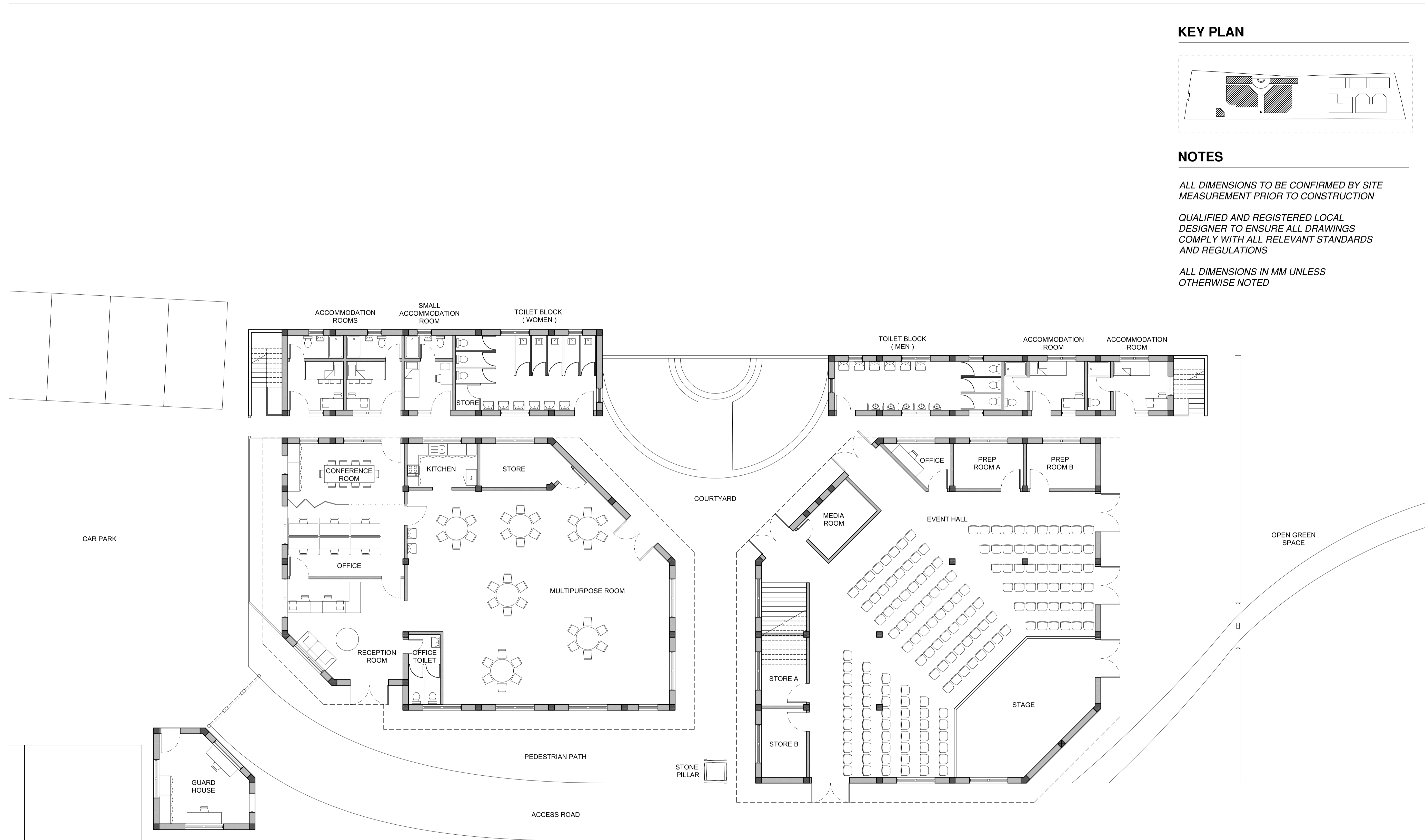


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01 PROPOSED GROUND FLOOR PLAN
1:100/1:200

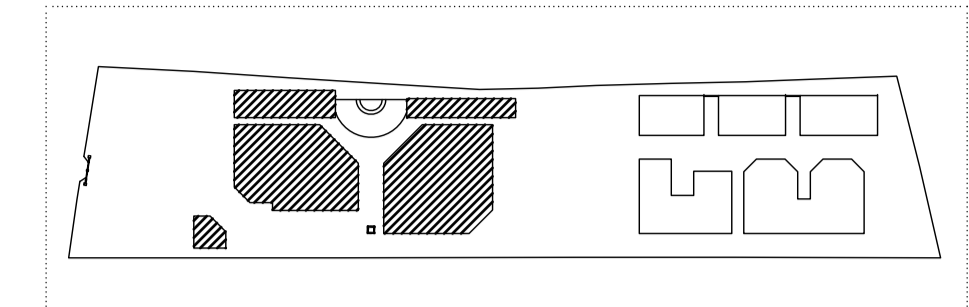


TRINITY MINISTRIES - TAMIL NADU, INDIA
MULTIPURPOSE FACILITY
GROUND FLOOR PLAN

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DATE ISSUED:	AUG 2015
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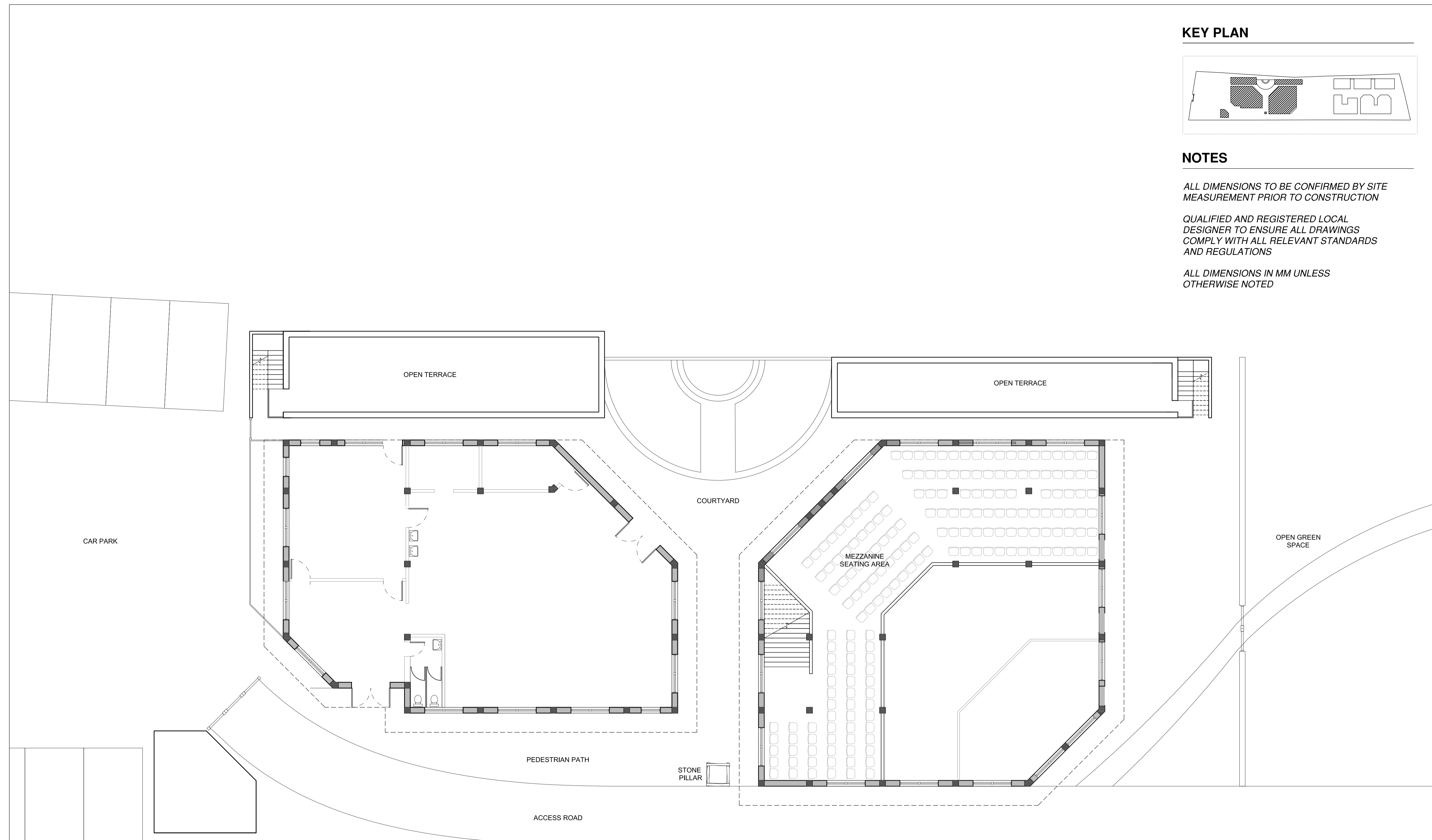


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01 PROPOSED MEZZANINE FLOOR PLAN
1:100/1:200



TRINITY MINISTRIES - TAMIL NADU, INDIA
MULTIPURPOSE FACILITY
MEZZANINE FLOOR PLAN

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