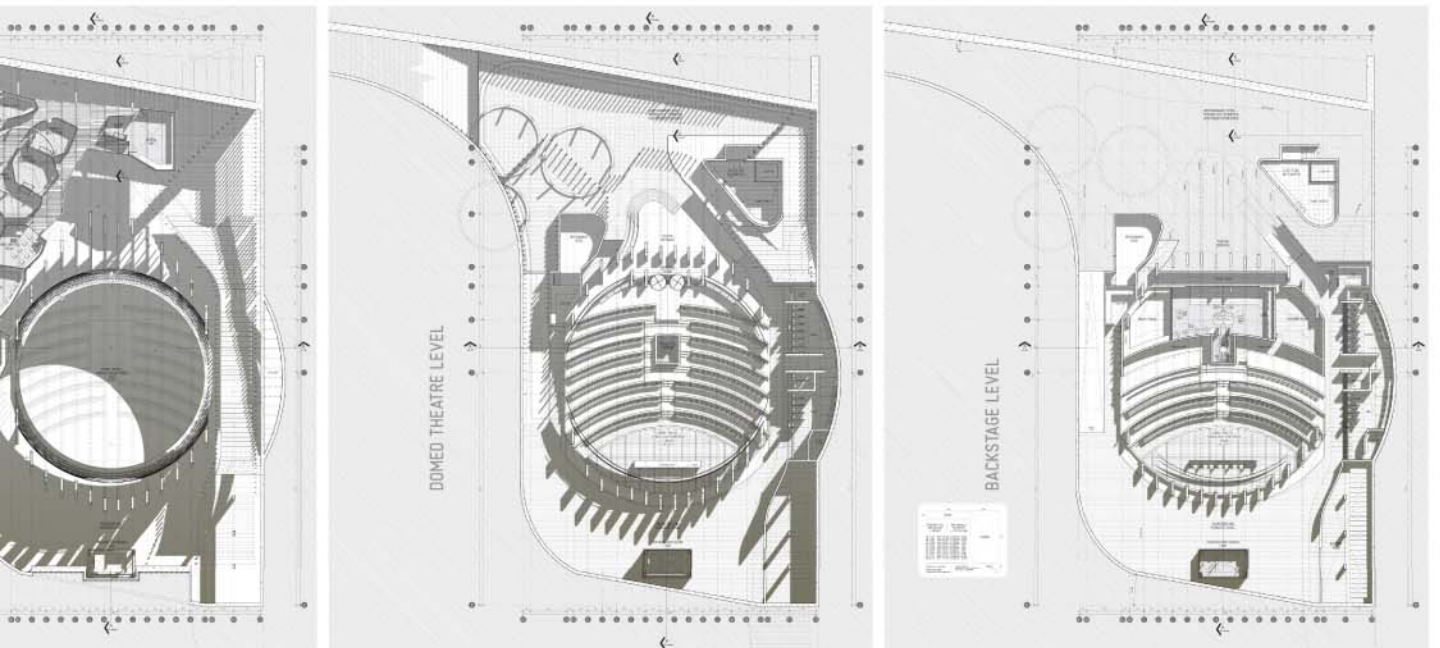


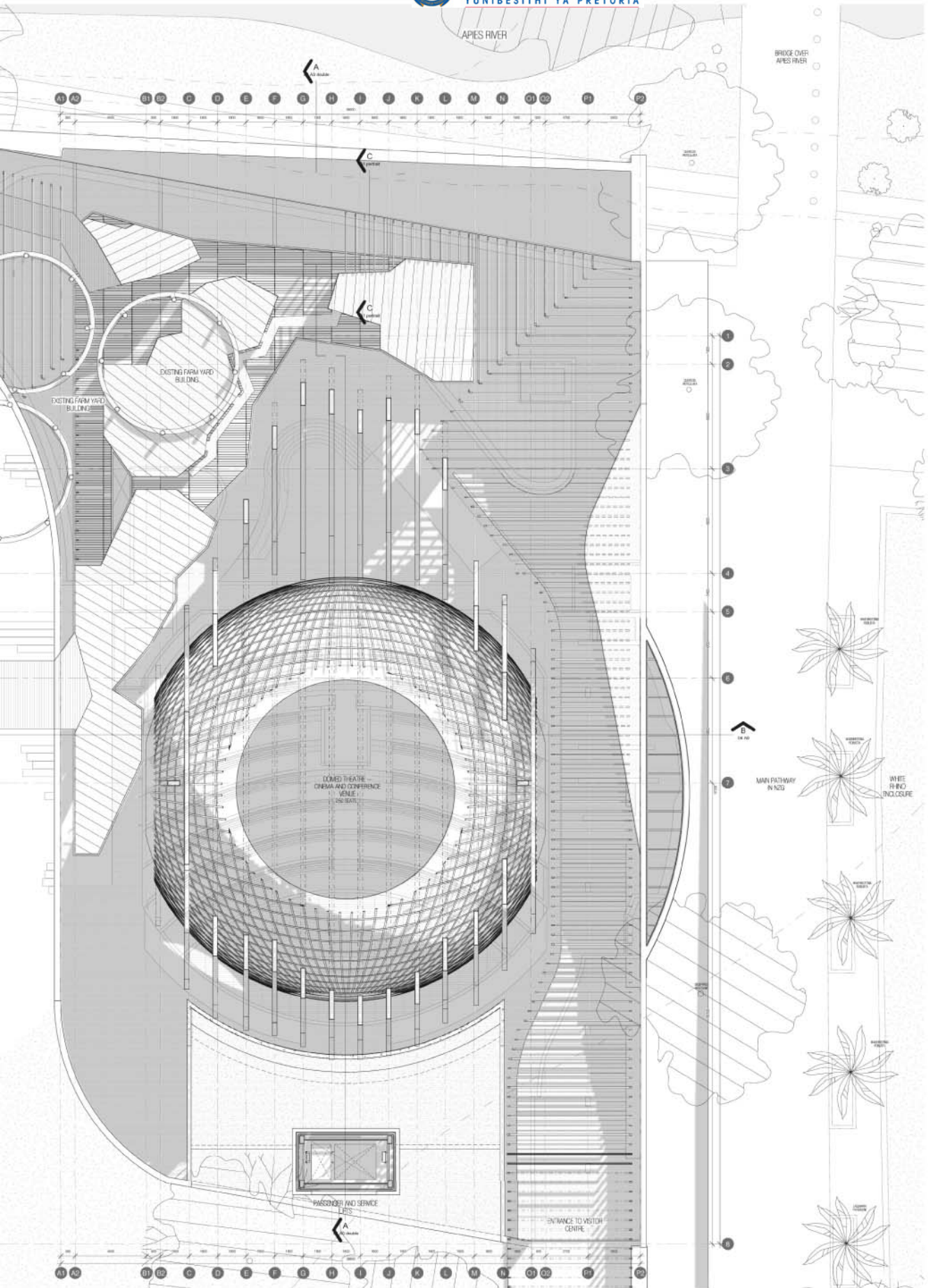
8. DRAWINGS

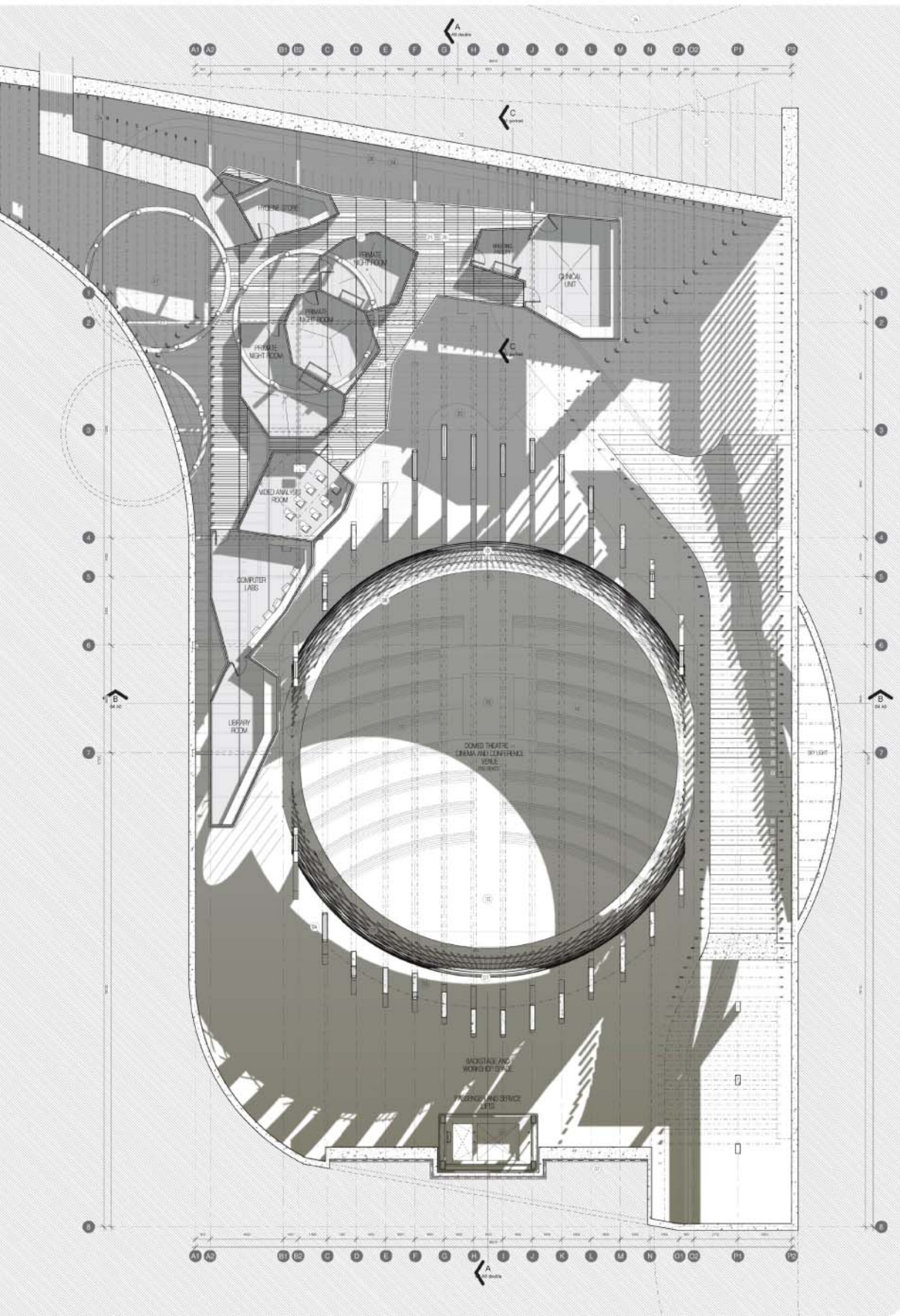




IMG 138: top: Site plan showing the buildings placement within NZG bottom: Plans not to scale







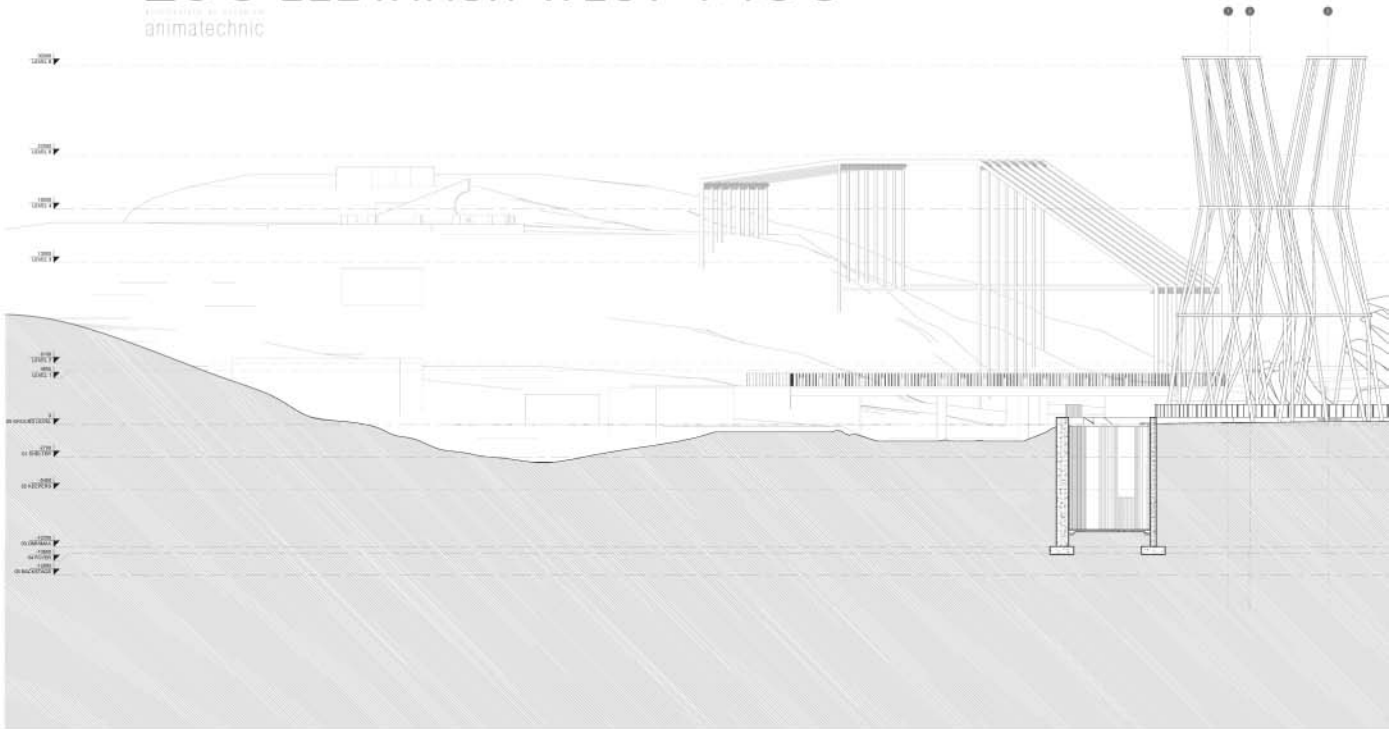
IMG 140: Zoo Keeper Level Plan - image not to scale

IMG 141: Opposite spread: Domed Theatre and Backstage Level Plans - image not to scale



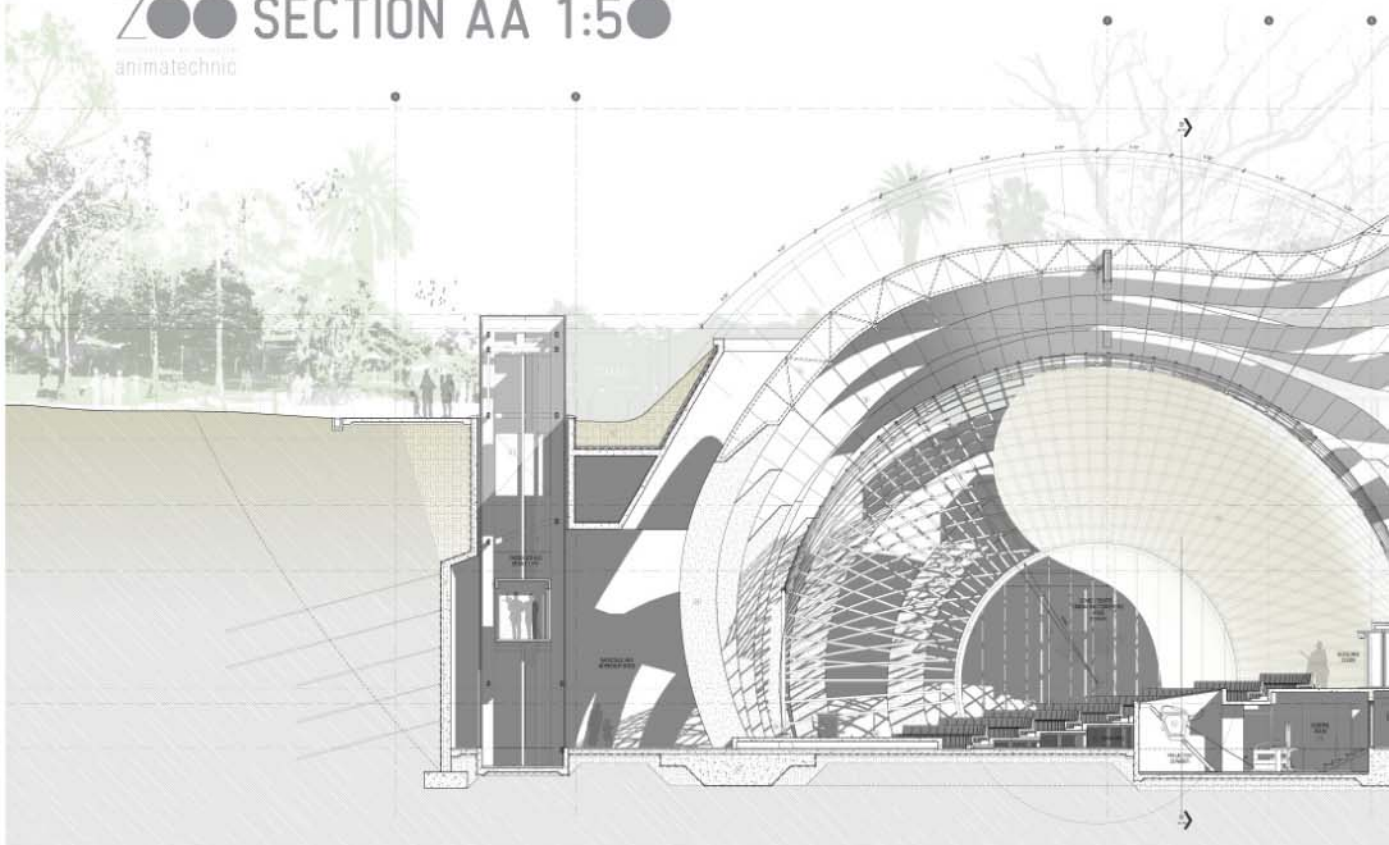
ZOO ELEVATION WEST 1:1

animatronic



ZOO SECTION AA 1:5

animatronic



1. THE BUILDING IS DESIGNED TO BE A STATE-OF-THE-ART FACILITY THAT WILL PROVIDE A HIGH-QUALITY EXPERIENCE FOR VISITORS AND STAFF. THE DESIGN IS BASED ON THE PRINCIPLES OF SUSTAINABILITY AND WELL-BEING.

2. THE BUILDING IS DESIGNED TO BE A STATE-OF-THE-ART FACILITY THAT WILL PROVIDE A HIGH-QUALITY EXPERIENCE FOR VISITORS AND STAFF. THE DESIGN IS BASED ON THE PRINCIPLES OF SUSTAINABILITY AND WELL-BEING.

3. THE BUILDING IS DESIGNED TO BE A STATE-OF-THE-ART FACILITY THAT WILL PROVIDE A HIGH-QUALITY EXPERIENCE FOR VISITORS AND STAFF. THE DESIGN IS BASED ON THE PRINCIPLES OF SUSTAINABILITY AND WELL-BEING.

4. THE BUILDING IS DESIGNED TO BE A STATE-OF-THE-ART FACILITY THAT WILL PROVIDE A HIGH-QUALITY EXPERIENCE FOR VISITORS AND STAFF. THE DESIGN IS BASED ON THE PRINCIPLES OF SUSTAINABILITY AND WELL-BEING.

5. THE BUILDING IS DESIGNED TO BE A STATE-OF-THE-ART FACILITY THAT WILL PROVIDE A HIGH-QUALITY EXPERIENCE FOR VISITORS AND STAFF. THE DESIGN IS BASED ON THE PRINCIPLES OF SUSTAINABILITY AND WELL-BEING.

6. THE BUILDING IS DESIGNED TO BE A STATE-OF-THE-ART FACILITY THAT WILL PROVIDE A HIGH-QUALITY EXPERIENCE FOR VISITORS AND STAFF. THE DESIGN IS BASED ON THE PRINCIPLES OF SUSTAINABILITY AND WELL-BEING.

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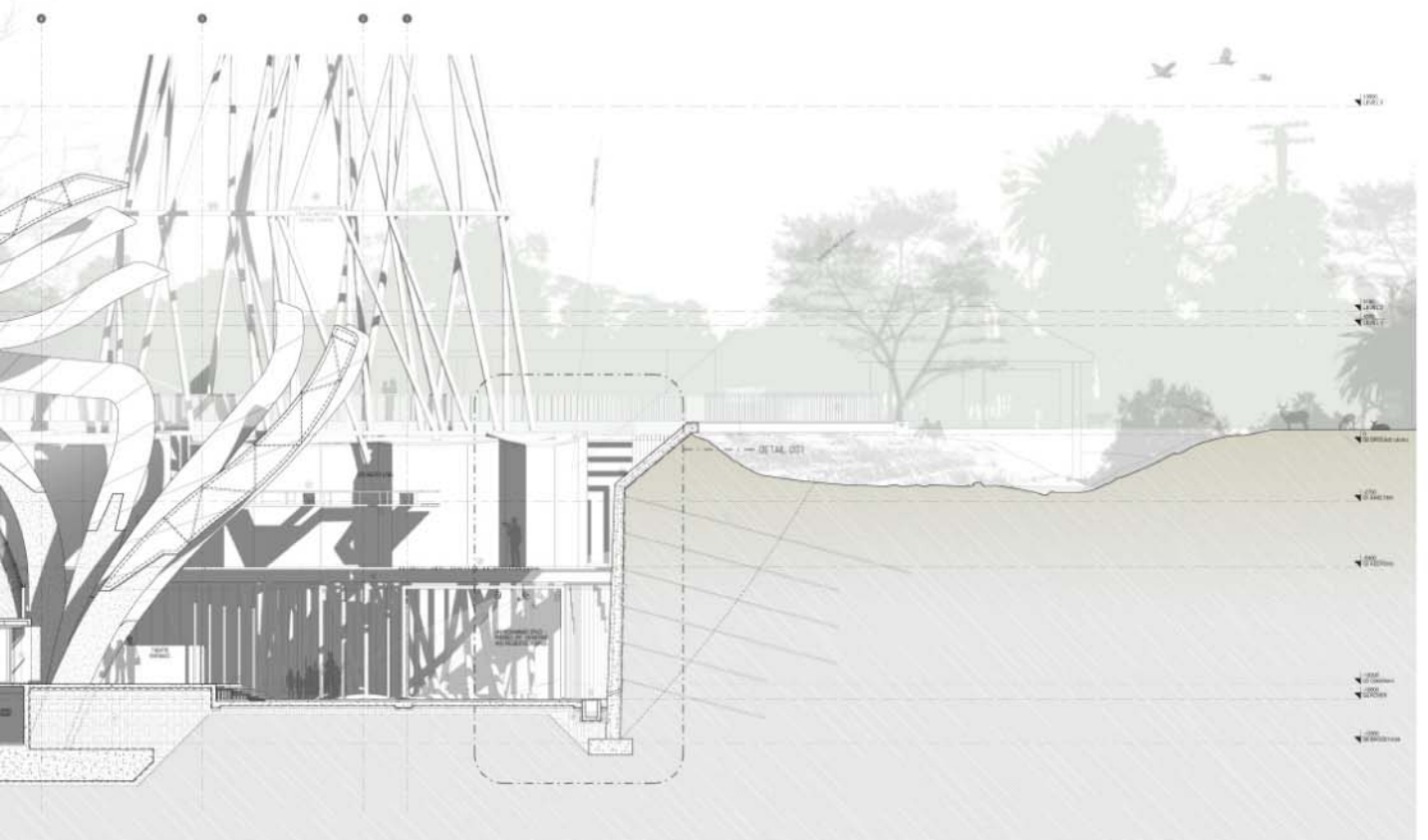
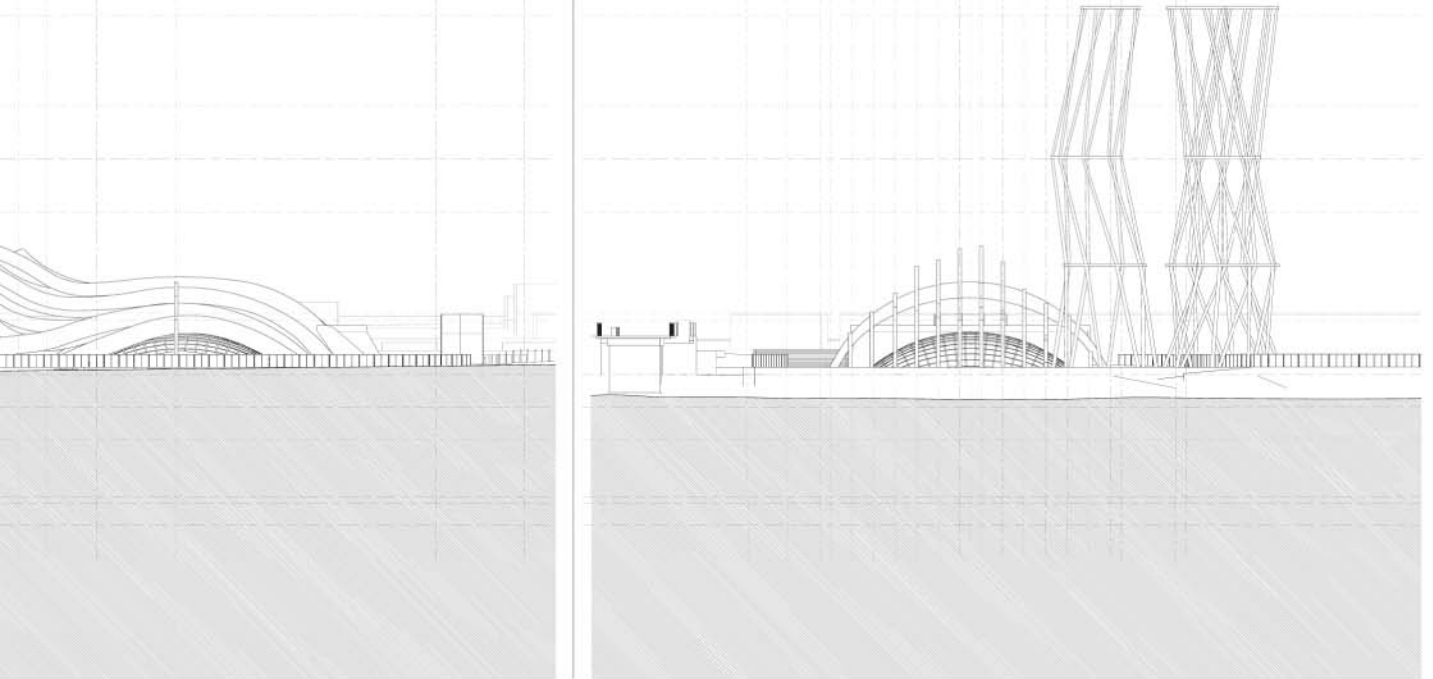
9. THE BUILDING IS DESIGNED TO BE A STATE-OF-THE-ART FACILITY THAT WILL PROVIDE A HIGH-QUALITY EXPERIENCE FOR VISITORS AND STAFF. THE DESIGN IS BASED ON THE PRINCIPLES OF SUSTAINABILITY AND WELL-BEING.

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ZOO ELEVATION NORTH 1:100

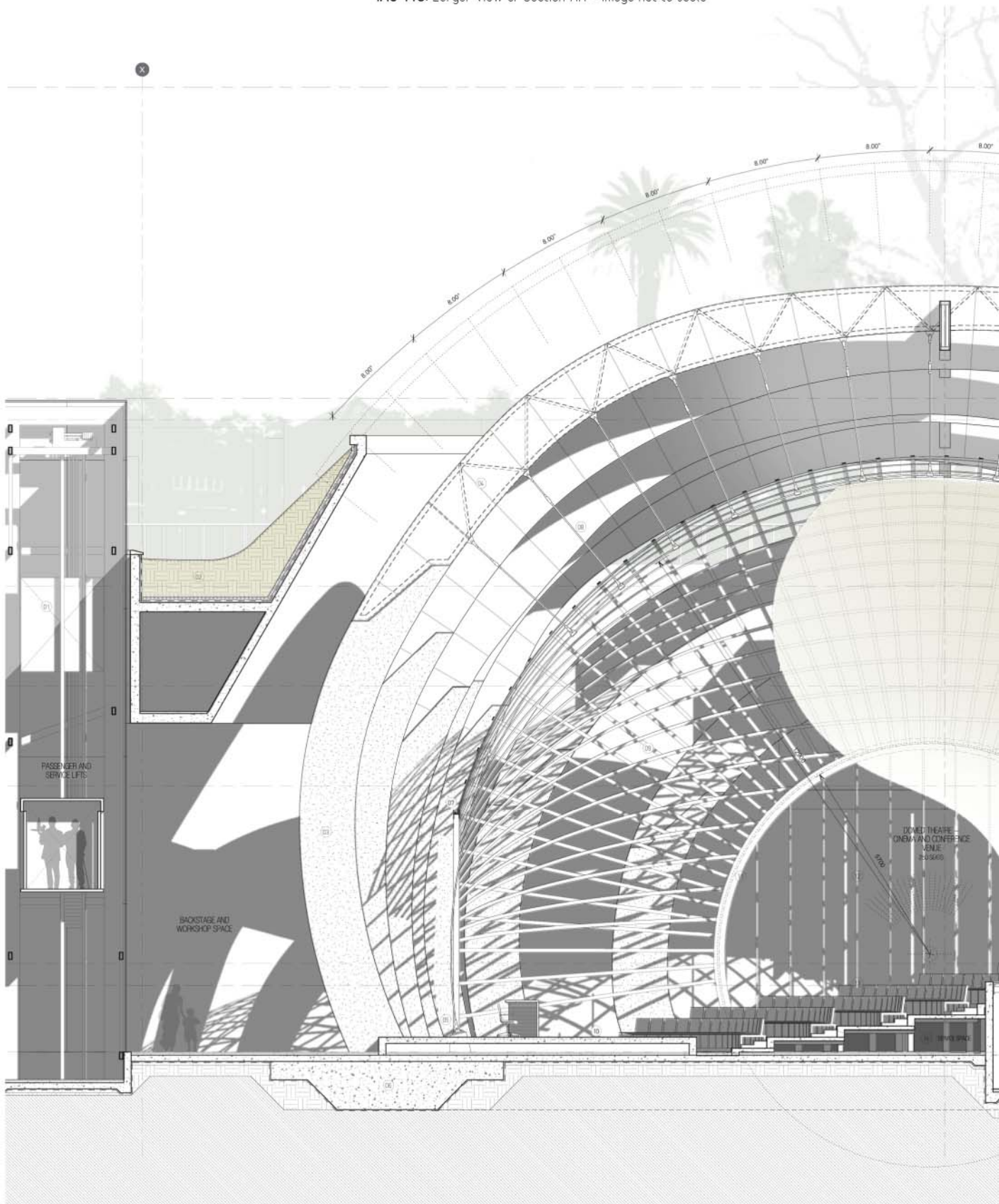
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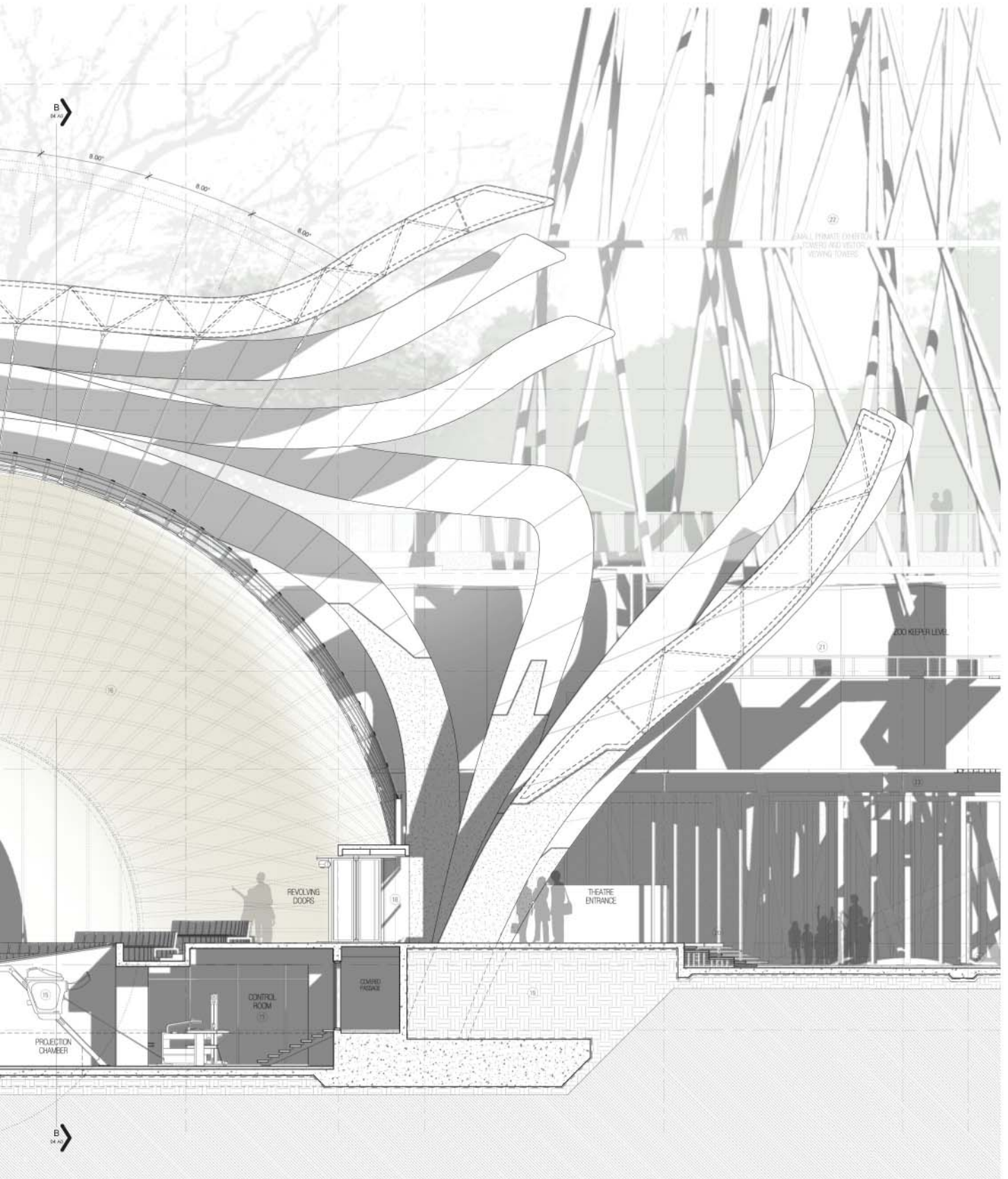


SECTION AA
1:100
DATE: 2014/08/14
DRAWN BY: [Name]
CHECKED BY: [Name]
SCALE: 1:100
NOTE: [Text]

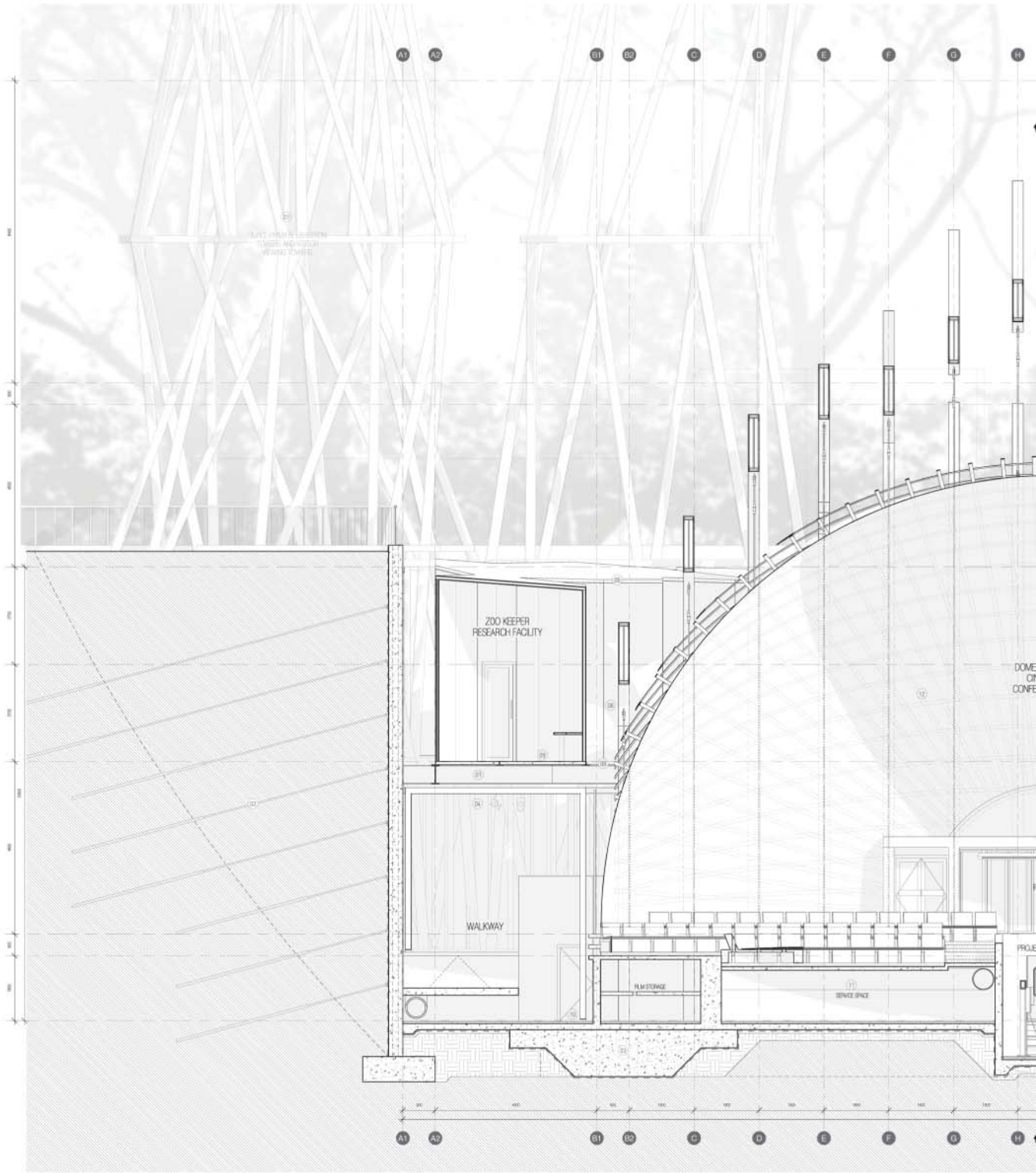
IMG 142: top: Elevations North and West - image not to scale. bottom: Section AA - image not to scale

IMG 143: Larger view of Section AA - image not to scale





IMG 144: Section BB - image not to scale



01 - SMALL PRIVATE EXHIBITION TOWER AND VISITOR VIEWING TOWER TOWERS ALLOW VISITORS TO MOVE VERTICALLY OBSERVING A WIDE RANGE OF ENVIRONMENT FOR PRACICES FROM A DISTANCE AND VISUAL ZOO VISITORS TOGETHER ALLOW VISITORS TO ENJOY PRIVATE CLIMBER BRIDGE AND VISITORS WITH THE ANIMALS ON ANIMAL LEVELS. BEHAVIOURAL OBSERVATION FEARED TO INCLUDE SWAY POLY AND INTERNAL BRIDGES, BRIDGES AND DESIGN OF BRIDGES FOLLOWING INTERNAL FLIGHT MATERIAL. AIR FLOW BRIDGE TOWER TO BE CREATED AND CALLED BY ZOO STAFF.

02 - ANCHORING SYSTEM - SOIL MASS GRADED INTO DRILL HOLES SPACED ACCORDING TO ENGINEER SPEC DRAWING.

03 - FOUNDATION REINFORCED CONCRETE AND FOUNDATION. PILE SIZE, DEPTH AND REINFORCEMENT TO BE SPECIFIED BY ENGINEER.

04 - LIGHT AND PROJECTOR - PROJECTION AND STAGE LIGHTING BY SPOTS, PIERCE TO OPTICAL FRAME STRUCTURE.

05 - CORRUGATED GALV. CORRUGATED COVERING TO BE CORN COATED STEEL IN ROOMS WITH AIR CONDITIONING THROUGH UP TO 100mm TO 100mm OF SHOW HOLES WITH STANDING BEAM ON ANCHOR SCORING, FILL, FILL TO SKINNE BRITISH STANDARD LIGHT WEIGHT STEEL SUBSTRUCTURE.

06 - HOOD SYSTEM - 200mm THICK GALVANIZED STEEL HOODS ON 8 DOORS AWAY FROM WITH TYPICAL LENGTH TO 2000mm. LENGTH OF HOODS INTO TWO EQUAL SEGMENTS SECURED TO THROATED STEEL CONCRETE BY WELDED STEEL MANUFACTURED CUSTOM METAL TRUSS SYSTEM AND CONNECTED TO CUSTOM CLAMP CONNECTOR BUSH.

07 - 100 x 210 x 42 (D) HOT ROLLED WILD STEEL UNIVERSAL BEAM

08 - CONCRETE DECK 120 x 140 x 40 REINFORCED LIGHT WEIGHT PRECAST CONCRETE BACKING DISCLOSED TO STEEL SUBSTRUCTURE.

09 - 100mm THICK (D) HOT ROLLED WILD STEEL UNIVERSAL BEAM TO BE WELDED TO MINIMUM 100mm FULL THICKNESS CAST ON SUBSTRUCTURE TO SUPPORT THE SUBSTRUCTURE. WELDED JOINTS TO BE WELDED TO PRECAST CONCRETE DECKING PRE TO STEEL SUBSTRUCTURE.

10 - PORTAL FRAME STRUCTURES 100 x 80 x 4 RECTANGULAR HOLLOW PROFILE HOT ROLLED WILD STEEL PORTAL FRAME STRUCTURE. ALL CONNECTIONS TO BE WELDED. ALL WELDS MUST BE CONFORM TO SANS 10160 WELDED STEEL STRUCTURE. PROTECTED BY 100mm CONCRETE WITH 10mm REINFORCING SYSTEM CAST INTO CONCRETE. FULL TO ENGINEER SPECIFICATION.

11 - SERVICE SPACE - CONDITIONED AIR WILL BE SUPPLIED FROM THE SERVICE ROOM WITH COLLECTED FROM 700 x 100mm UNDER THE BEATING TO PROVIDE A COMFORTABLE MICRO CLIMATE FOR OCCUPANTS AND TO MAINTAIN THE OVER PRESSURE REQUIRED TO OPERATE THE MEMBRANE TO RESIST FULL LOADS STAFF.

12 - MEMBRANE DOME - MULTI LAYERED - PERMANENT CONCRETE DOME MEMBRANE CONSISTING OF THREE LAYERS REINFORCED POLYESTER LAYERS WITH ONE SPHERICAL SYSTEM MEMBRANE SUPPLIED BY STAFF DOWN ON PARKING. ACCIDENTAL FIRE RESISTANT MEMBRANE AND SUPPLIED BY STAFF DOWN ON LOW GAIN FILM SCREEN AN INTERNAL LAYER.

13 - ANCHOR CLAMP BEAM - PRE-FABRICATED 204 x 154 x 10 HCT HOLLOW METAL STEEL - WELDED TO HOT AS CONNECTION FOR 100 x 210 WILD STEEL PLAT BARE. BARE TO BE CONNECTED TO ANCHOR BEAM ACCORDING TO ENGINEER SPEC.

14 - READING LOBBY - THE LOBBY BY PROVIDING A WIDE READING LOBBY TO ASSIST VISITORS TO ENJOY THE VIEWING AREA THROUGH DOUBLE GLAZED GLASS.

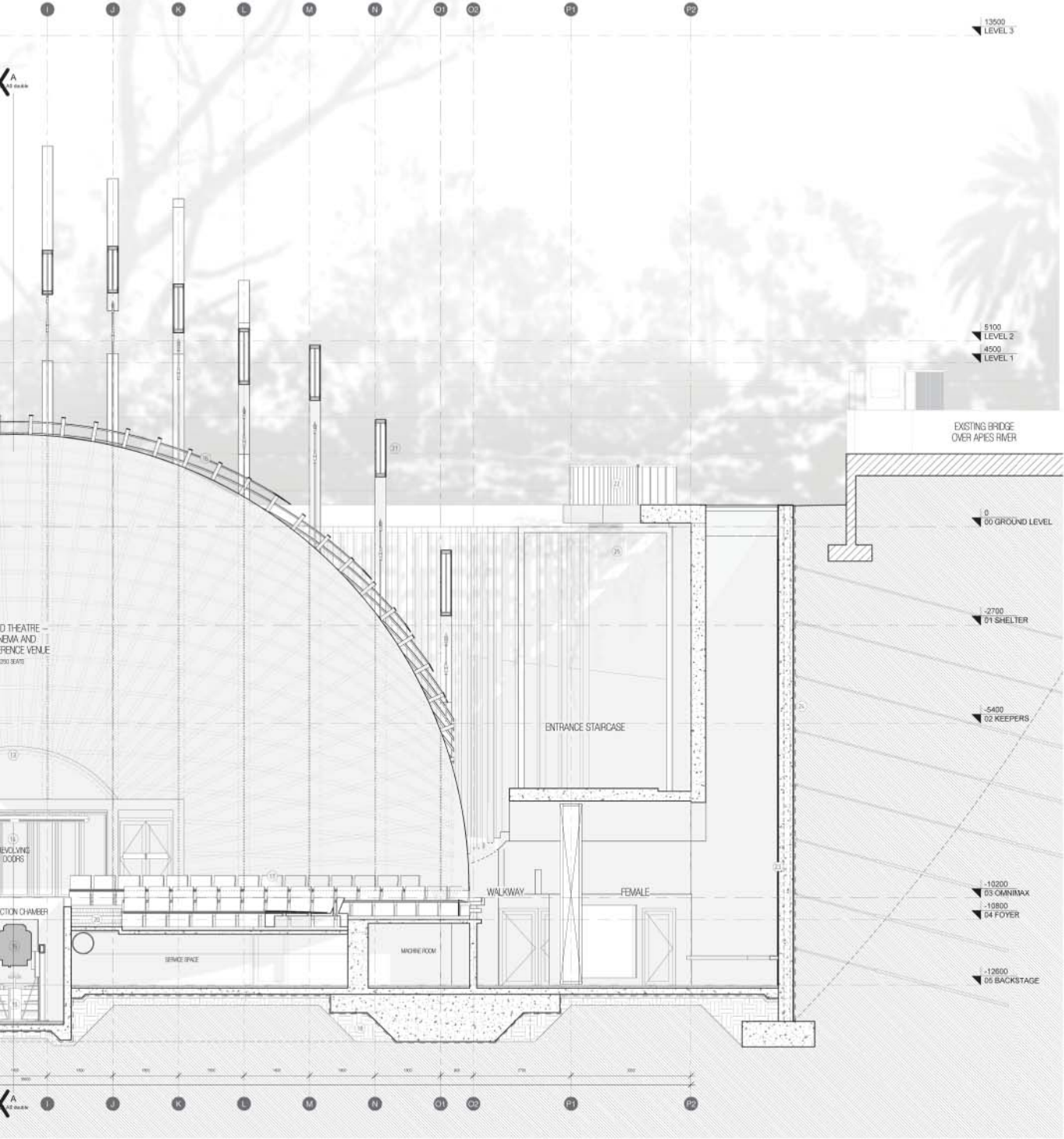
15 - PROJECTION CHAMBER - PROJECTION AND STAGE LIGHTING TO BE PROVIDED THROUGH RELECTED LIGHT THAT WILL BE RELECTED THROUGH GLASS.

16 - SHEDDING DOME - 100 x 80 x 4 RECTANGULAR HOLLOW PROFILE HOT ROLLED WILD STEEL PORTAL FRAME STRUCTURE. ALL CONNECTIONS TO BE WELDED. ALL WELDS MUST BE CONFORM TO SANS 10160 WELDED STEEL STRUCTURE. PROTECTED BY 100mm CONCRETE WITH 10mm REINFORCING SYSTEM CAST INTO CONCRETE. FULL TO ENGINEER SPECIFICATION.



ZOO SECTION BB 1:5

architecture as occupation
animatronic



17 - DOMED THEATRE - CINEMA AND CONFERENCE SEATING THEATRE SEATING INDIVIDUAL SEATS ARE ABLE TO TILT TO ACCOMMODATE THE VARYING ANGLE OF PROJECTION AND SET MEMBRANE FILM SCREEN

18 - GROUND FLOOR MINIMUM 100mm COMPACTED FILL WITH GRS APPROVED GEL. PERFORMALIN COMPACTED GEL MATTING MINIMUM 100mm LAYER, COMPACTED TO 90% MAXIMUM

19 - CONTROL ROOM: THE CONTROL ROOM HOLDS VARIOUS ELECTRONIC UNITS THAT ARE A COLLECTION OF HEAT SOURCES. TO ENSURE A COMFORTABLE ENVIRONMENT FOR THE OPERATORS THE TEMPERATURE SHOULD RUN NO MORE THAN 20°C - 22°C. ROOM WALL, FLOOR AND CEILING SURFACES TO BE FINISHED WITH HIGH QUALITY INSULATION BOARD

20 - STAIRS TERRAZA COMPOSITE HARDWOOD CEILING BEAM TRUSS SURFACE FINED TO MILD STEEL SUB STRUCTURE

21 - PRE-FABRICATED GLASS METAL TRUSS SYSTEM FINISHED ROOFERS FINISHED BY THE OWNER. THE TRUSS SHALL BE MANUFACTURED IN ROLLED STEEL - PROFILES, MEMBER WEIGHTS ARE 100 x 30 x 5 HOT ROLLED U-CANALS SHIP RELATED TO PROFILES TO BE CLASSED WITH CONSULTING ENGINEERS ACCORDING TO MANUFACTURERS SPECIFICATIONS

22 - GLASS WALL FINISH: 1100mm TOLERANCES SAFETY GLASS WALL FINISH: ALL WALL FINISHES TO COMPLY WITH NBR 0040 PART M

23 - RETAINING WALL SYSTEM: BRANDED CONCRETE RETAINING WALL SYSTEM CONCRETE SHALL BE APPLIED VIA A THICKNESS OF APPROXIMATELY 450mm TO BE REINFORCED WITH A DOUBLE LAYER GALVANIZED WIRE MESH (BETWEEN ALL REINFORCEMENT SHALL BE CLEAN AND FREE FROM OIL, GREASE, OR OTHER CONTAMINANTS) INTERLOCKED WITH EACH OTHER

24 - WOODWORK: VERTICAL WOODWORK SYSTEM TO BE A PRE-FINISHED THE WOOD OF 12" HIGH PROFORM SHIMMERS COLE FINISHED AS A GRADE 1 (EXTERIOR), TO BE SPACED AND FINISHED AS DIRECTED BY THE BREWER

25 - BEST FINISHING OF FINISHING CLIMATE CONTROL FRAMEWORK: WESTERN GINSENG FINISHES OF SIMILAR PLANT, PLANTED AT THEIR INTERVALS IN FINISHING BEGS AT MINIMUM 200mm DEPTH AND 100mm WIDTH

20 - 2000 DIAMETER x 2500 RECYCLING AIRWAY TO 1000mm THEATRE AIR PRESSURE CONTROL, TWO 2400 x 2500 AIRWAYS TO OTHER SIDE OF REVOLVING DOOR

21 - PROJECTOR ROOM HOUSING CINEMA CHANGING UNITS, PROJECTION CHAMBER AND BACK TOWARDS THE BACKSIDE OF DRILL INTO THE AUDIENCE SEATING AREA

22 - 100% MILD STEEL FINISH ON A 200mm x 200mm OVERLAPPING CONNECTION 2400 AND 2500mm ACCORDING TO

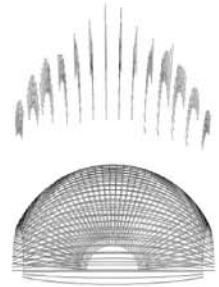
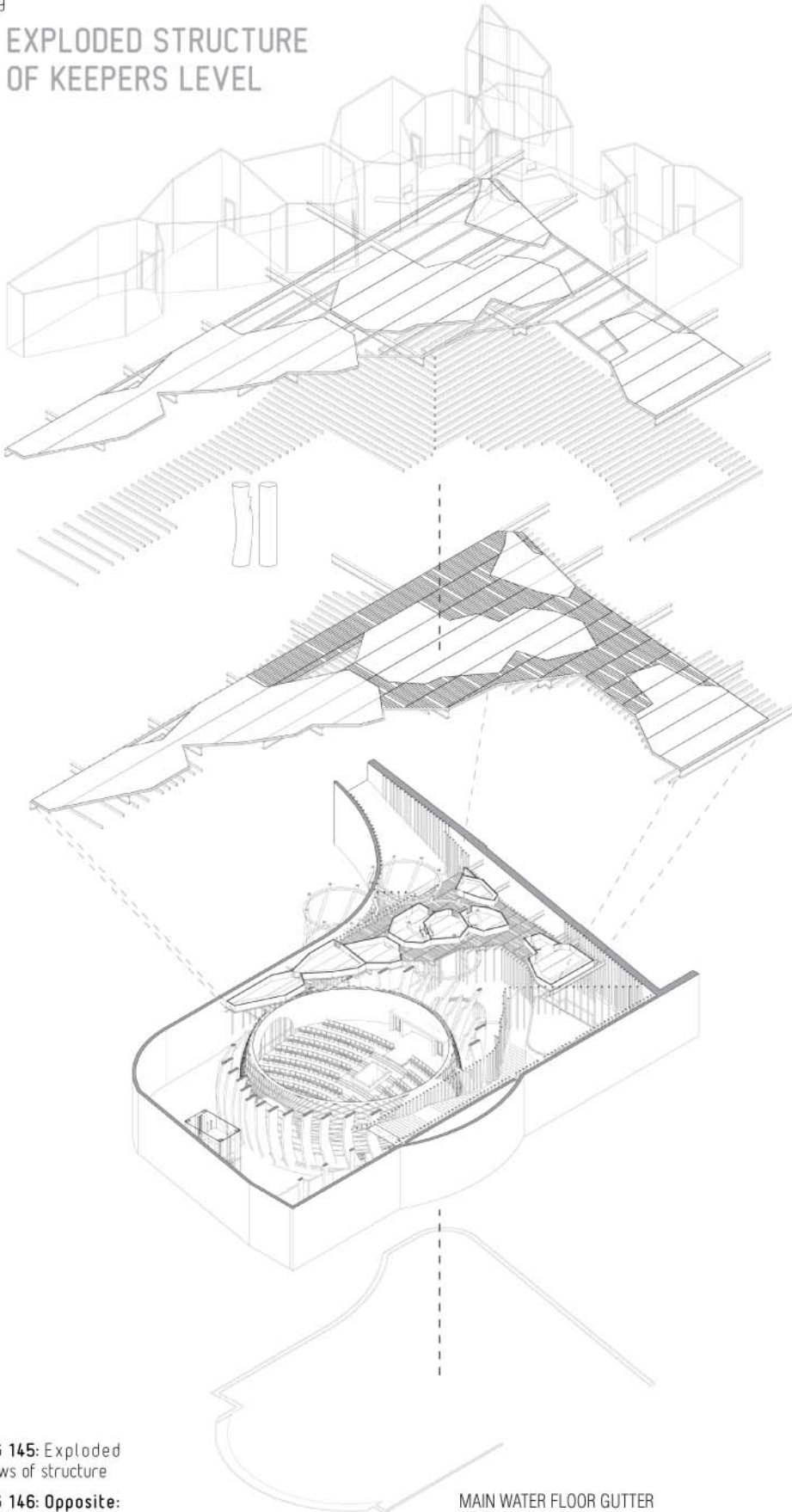
23 - INTERIOR SURFACES: DOMED THEATRE SEATING MUST INTERIOR SURFACES TOGETHER WITH DIMENSIONAL SCREENS TO RESIST CRACK PERFORATION AND CONSEQUENT LOSS OF CONTACT. THE CONCRETE FINISHING ON FLOOR SURFACE WILL BE COAT WITH FLEXIBLE NON POROUS SPORT FLOOR SURFACE. THE FINISHING BY MILD STEEL SURFACE OF STRUCTURE ELEMENTS SHALL BE A FINISHING ELECTROLYTIC ZINC LAYER INCLUDING AN ANODIC ZINC LAYER AND POLYURETHANE FINISH BEARING WITH A TWO-COMPONENT COLOURED POLYURETHANE FINISHING

24 - WALKDOWN: VERTICAL WALKDOWN SYSTEM TO BE A PRE-FINISHED THE WOOD OF 12" HIGH PROFORM SHIMMERS COLE FINISHED AS A GRADE 1 (EXTERIOR), TO BE SPACED AND FINISHED AS DIRECTED BY THE BREWER

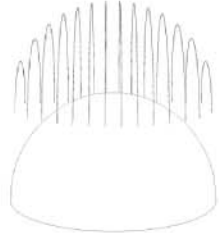
NOTE:
RETAINING WALL AND CHIMNEY SYSTEM IS SUBJECT TO SOIL AND CONCRETION ON SITE. SPECIFICATION ON TYPE OF RETAINING WALL SYSTEM TO BE USED IS TO BE PROVIDED BY ARCHITECT WITH FULL GEOLOGICAL SURVEY AND REPORT CONDUCTED BY QUALIFIED PROFESSIONAL



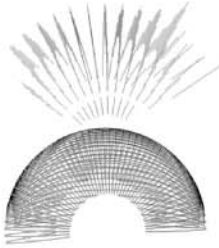
EXPLODED STRUCTURE OF KEEPERS LEVEL



EXPLODED NORTH SOUTH VIEW



EXPLODED EAST WEST VIEW



EXPLODED PERSPECTIVE

IMG 145: Exploded views of structure

IMG 146: Opposite: Detail Section CC

MAIN WATER FLOOR GUTTER LINE TO STORAGE TANK



*"People want architecture
to respect some constant
characteristics which
have become part of our
collective consciousness."
(Lawson, 1994: 78)*

The dissertation did not aspire to merely provide a product but rather to interpret and give form to the discourse themed around the recurring message of escapism and enclosure, and the metaphors or analogies surrounding these concepts on various theoretical scales.

The product gradually manifested through the process and intuitive methodology. It evolved across a range of forms from the metaphysical to the tactile and the opportunities and difficulties of the approach became evident. The product could still be viewed as the synthesis of a work in becoming. The design process has no boundaries; it is never complete.

The exercises prove that it is possible to use an intuitive design approach in forming a project – however one can only learn or improve on the design instinct if one is cognitively engaged with the process through constant reflection.

PRESENTATION & MODELS

