

## Esperansa Preschool Lospalos Timor Leste

# Plans for Esperanca Preschool Lospalos 1/2

Quoting/ Funding Issue

Prepared by JN and IDF  
April 2015

0 1 2 3 4 5m  
Scale 1:100 @ A4  
pg 1

Masonry Slide based on surrounding mountain rock faces with climbing walls, climbing mound and bamboo tunnel entrance ramp. Structure offers variety of climbing experiences for different ages.

Performance stage for music and drama.

Slide surrounded by min 1.5 metre sofffall (rice husks) Slide has 2 metre run out section

Adaptable cultural activity posts for suspended musical instruments or weaving crafts

Small riverstone pebble surface over major walking traffic areas

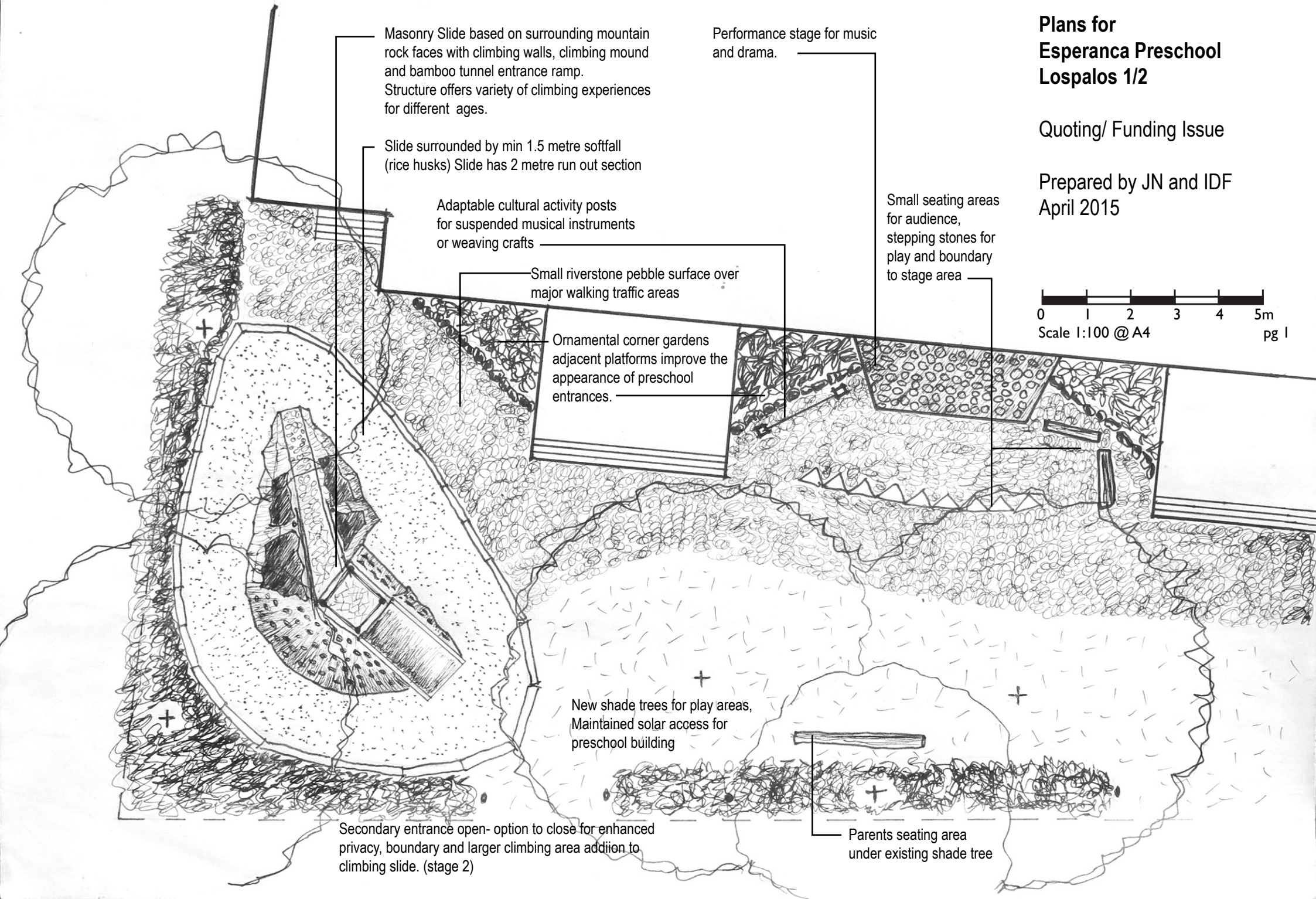
Small seating areas for audience, stepping stones for play and boundary to stage area

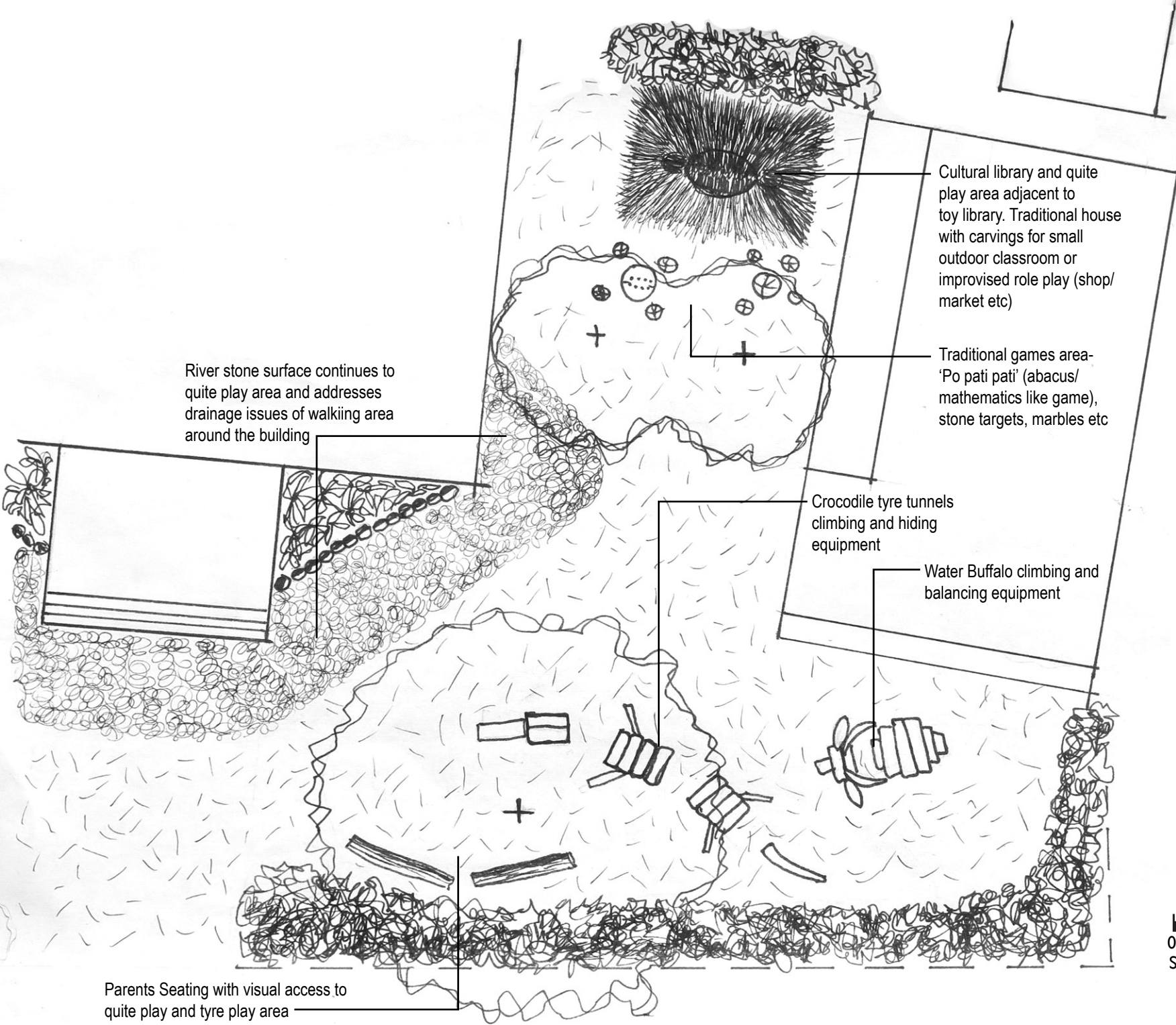
Ornamental corner gardens adjacent platforms improve the appearance of preschool entrances.

New shade trees for play areas, Maintained solar access for preschool building

Secondary entrance open- option to close for enhanced privacy, boundary and larger climbing area addition to climbing slide. (stage 2)

Parents seating area under existing shade tree

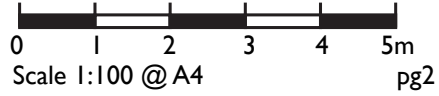




**Plans for  
Esperanca Preschool  
Lospalos 2/2**

Quoting/ Funding Issue

Prepared by JN and IDF  
April 2015



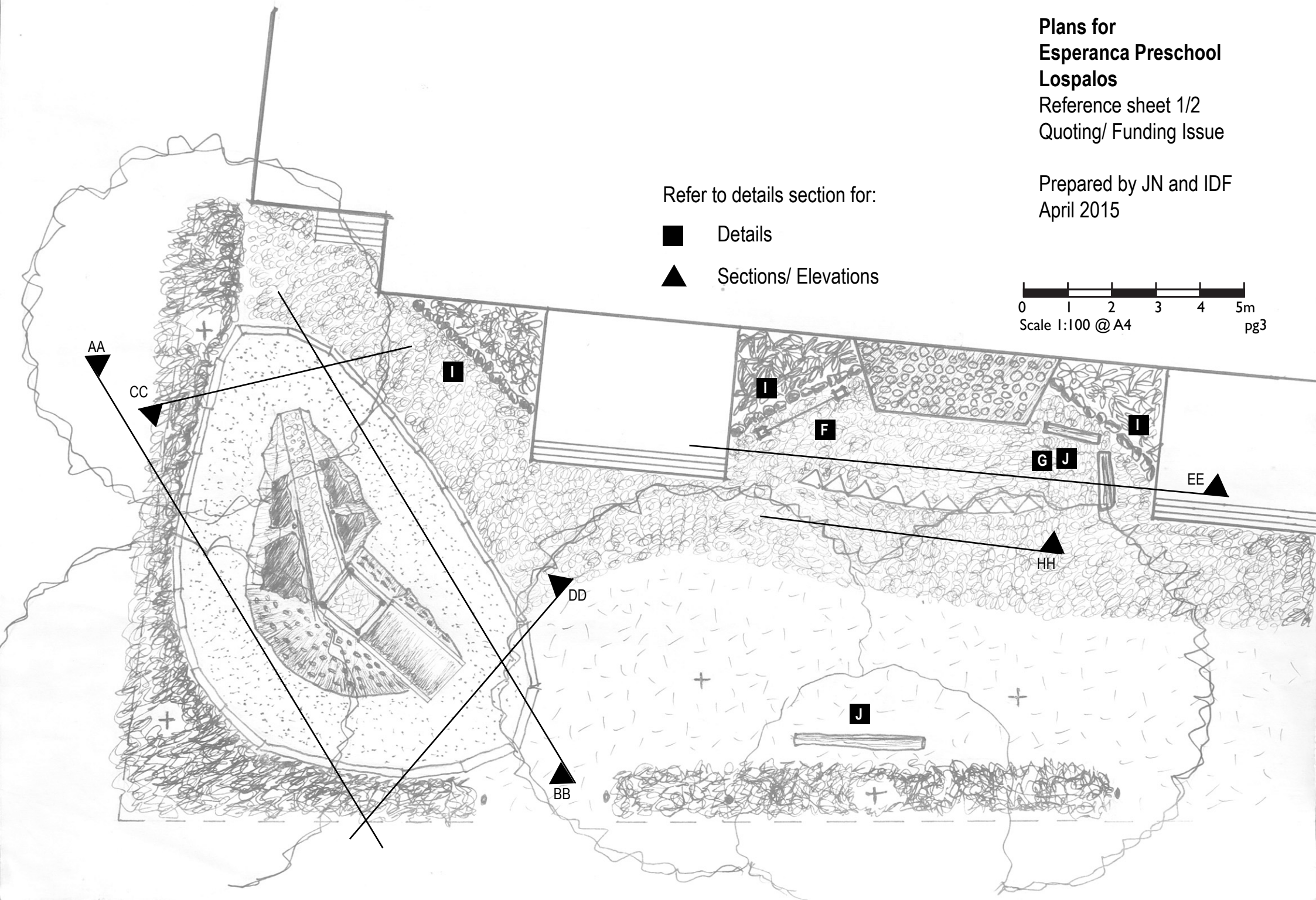
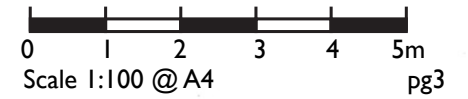
Parents Seating with visual access to quite play and tyre play area

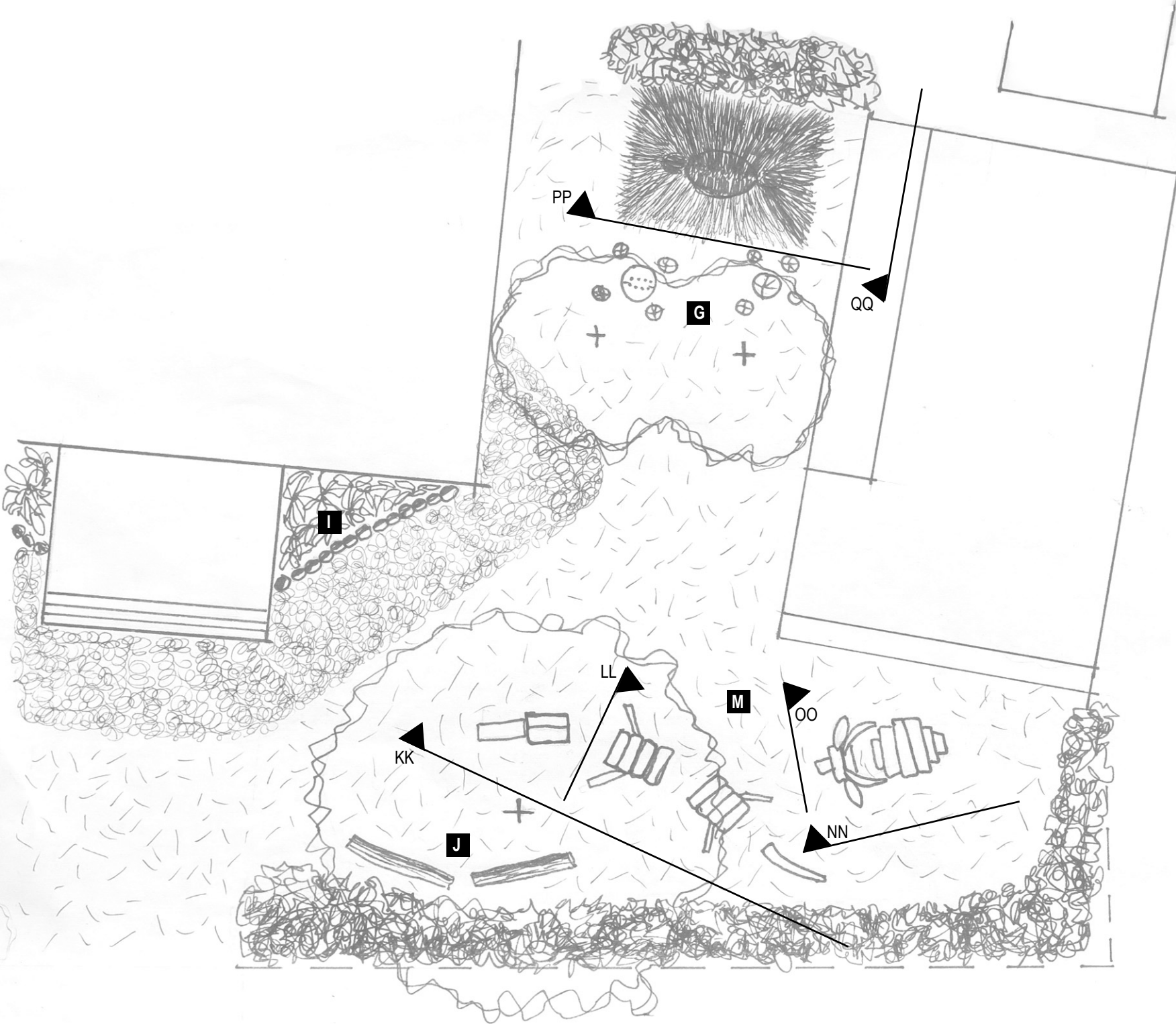
**Plans for  
Esperanca Preschool  
Lospalos**  
Reference sheet 1/2  
Quoting/ Funding Issue

Prepared by JN and IDF  
April 2015

Refer to details section for:

- Details
- ▲ Sections/ Elevations



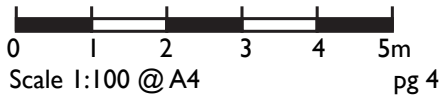


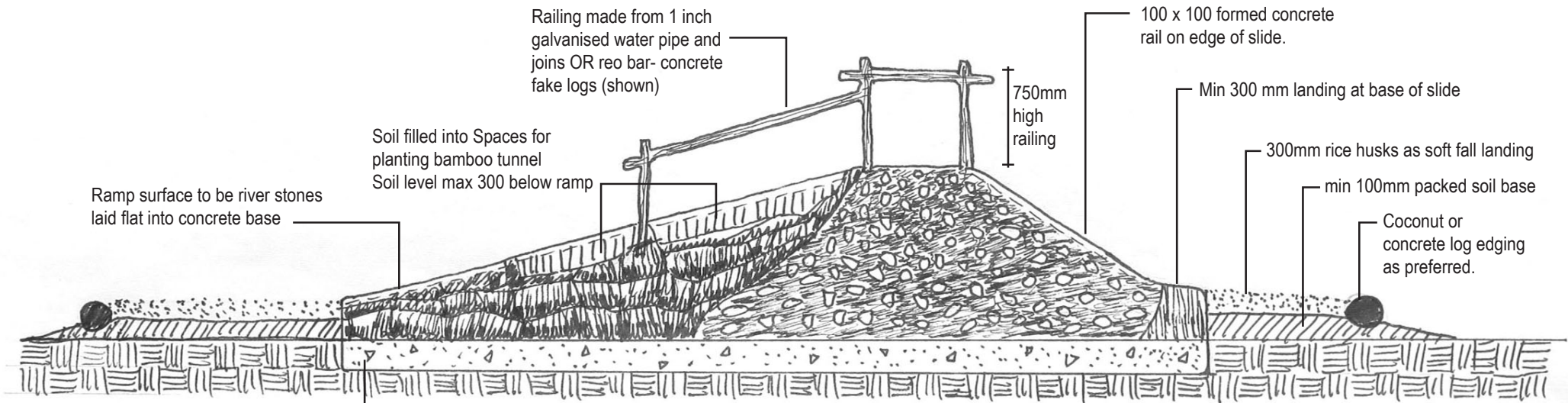
**Plans for  
Esperanca Preschool  
Lospalos**  
Reference sheet 2/2

Quoting/ Funding Issue

Prepared by JN and IDF  
April 2015

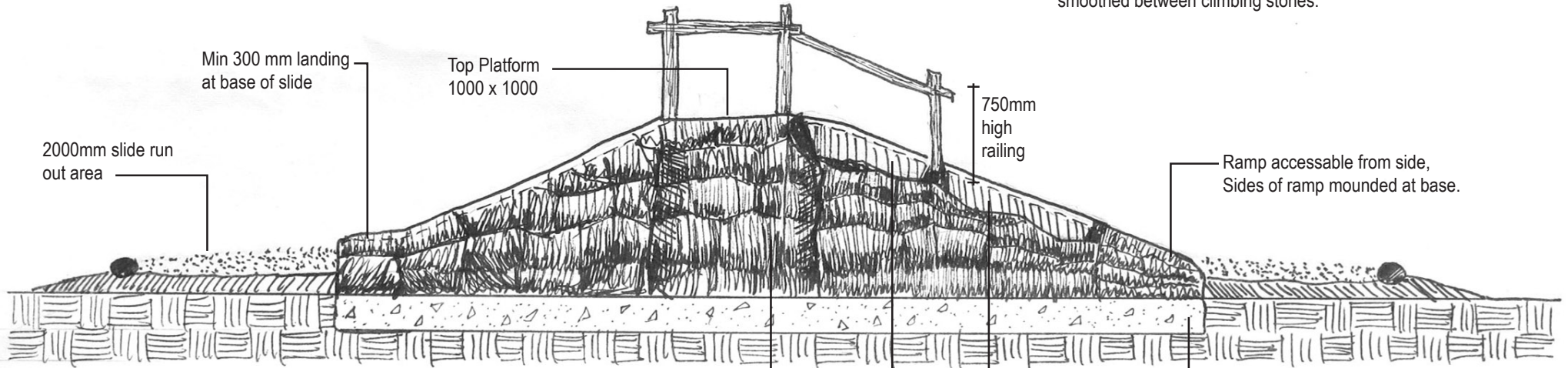
- Refer to details section for:
- Details
  - ▲ Sections/ Elevations





**Section AA Ramp- Slide and Climbing Mound**

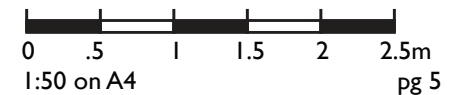
Climbing mound surface constructed of rounded riverstones set 2/3 into concrete. Use of crushed rock below surface of mound for forming mound shape is acceptable. All exposed concrete should be smoothed between climbing stones.

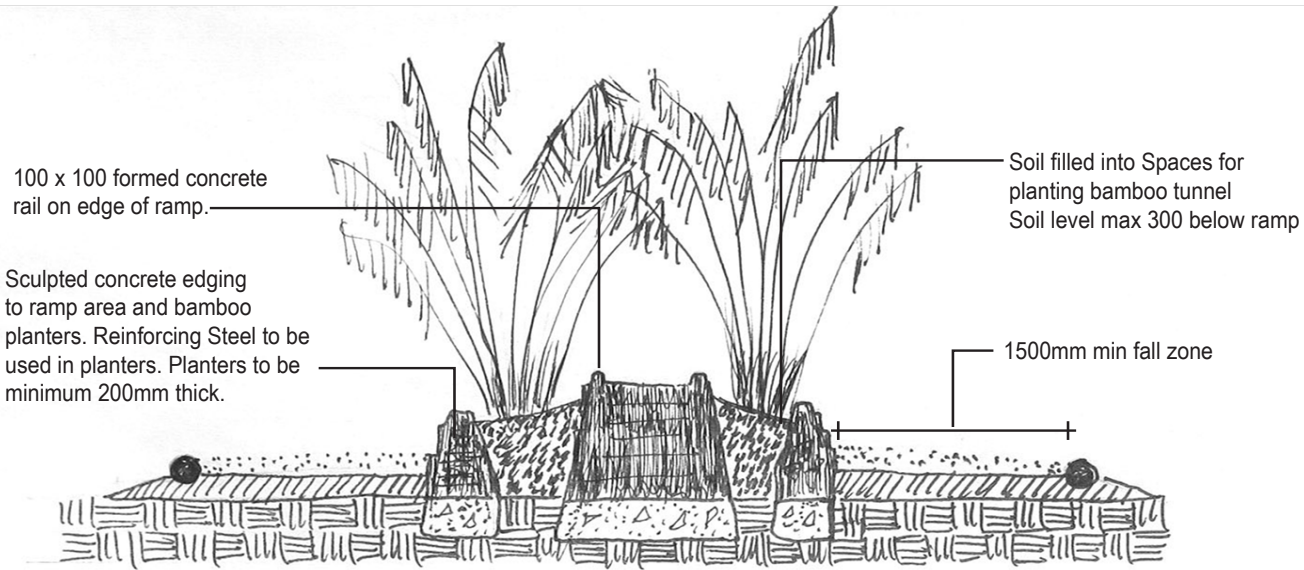


**Section BB Slide- Ramp and climbing walls.**

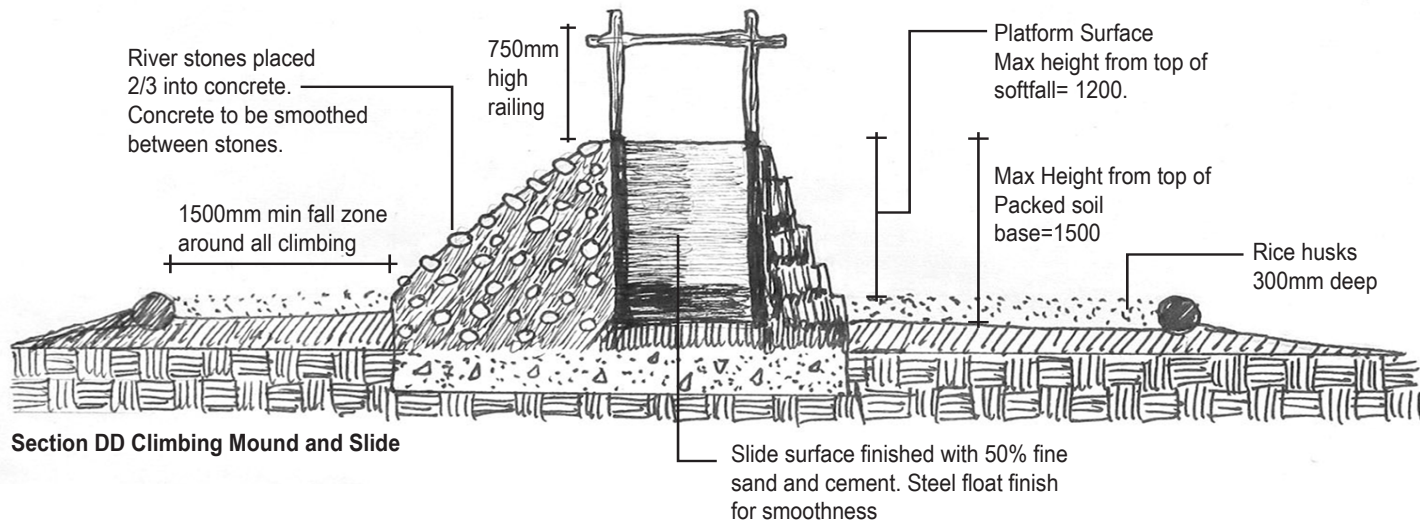
Side walls constructed of rock and sculpted concrete over rock. No sharp edges of are exposed and rock is covered in sculpted concrete. Use small amounts of brown and red oxides mixed in with concrete to achieve natural coloured look to concrete. Formed small ledges act as footings for children climbing.

Main Climbing wall to top. Ledges spaced 200- 300mm apart

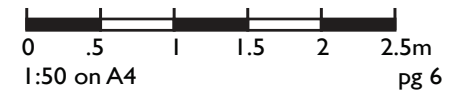




**Section CC Ramp and Bamboo Tunnel planters.**



**Section DD Climbing Mound and Slide**

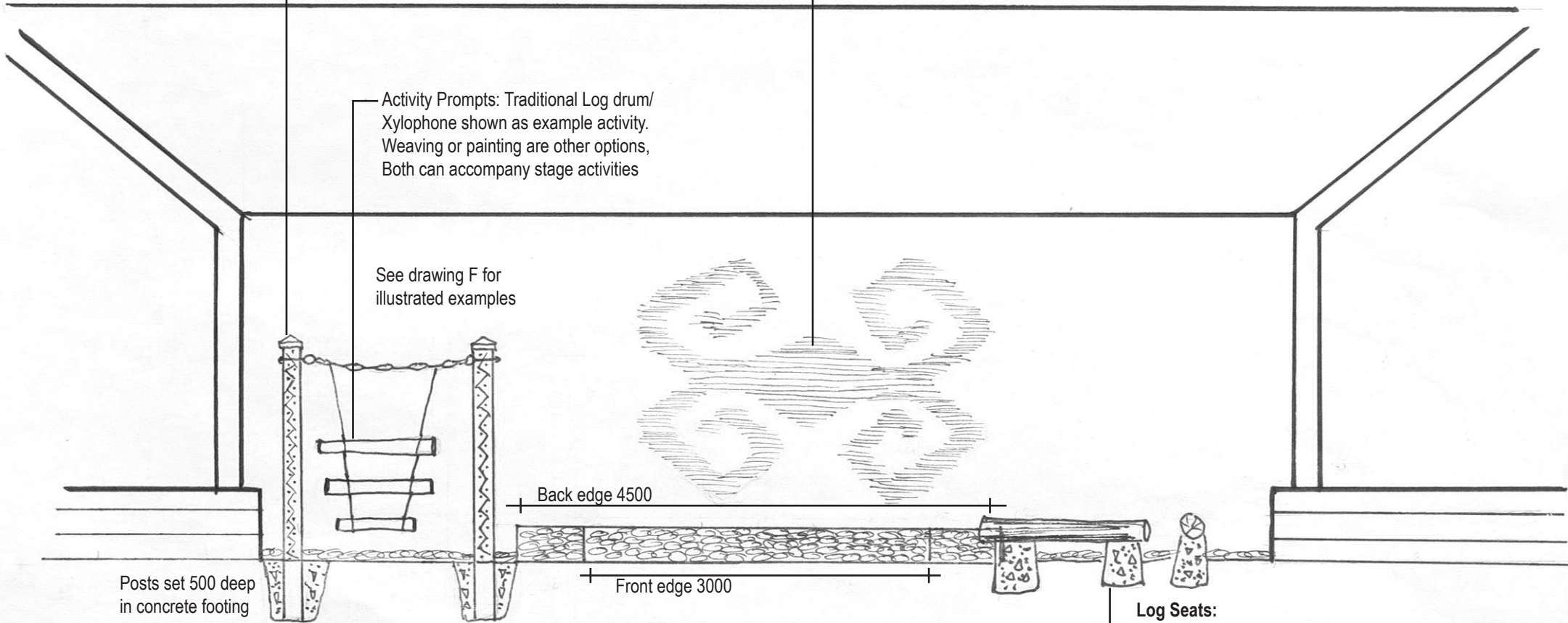


Decorated 2m above ground 150 x 150 Posts for suspending cultural learning activities. Posts to be spray stenciled with traditional Ete-cere-cere (Carving) designs from local region by local artist. Posts to be capped. Eye bolt to be installed at top for attachment of activity prompts.

This fabric inspired Mural to the back of the stage area. Artwork to be completed in consultation with Co-op Weavers and mothers for patterning and design. Painted/ Stenciled by local Artists.

Activity Prompts: Traditional Log drum/ Xylophone shown as example activity. Weaving or painting are other options. Both can accompany stage activities

See drawing F for illustrated examples



Posts set 500 deep in concrete footing

Back edge 4500

Front edge 3000

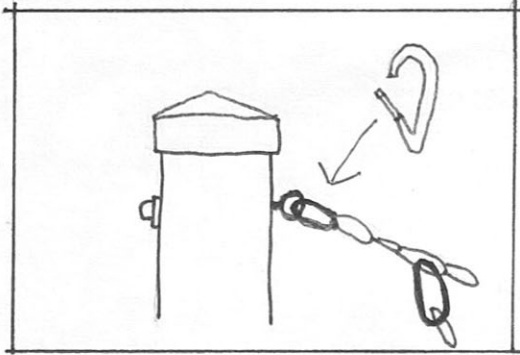
Stage 300 above ground. Top surface and sides are riverstones set into concrete. Ensure levels of surface are set so water falls away from the building.

**Log Seats:**  
See **Detail J** for details  
See **Detail F** for an alternative/ Variation

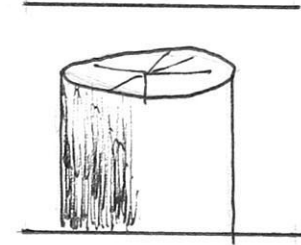
**Section EE Stage and Performance Area**



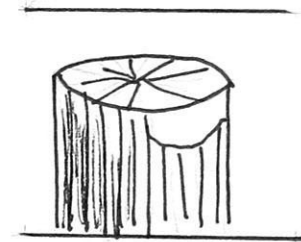




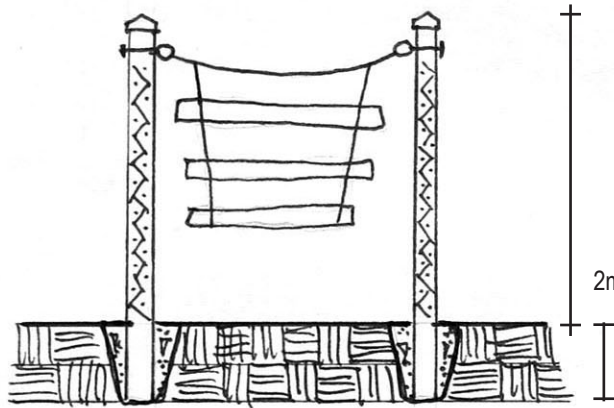
Activity prompts are detachable with Carabena Clips on to rope or chain. Clips attach to post through Eyebolt.



Timber selected for outside use needs to be durable. Chele Chele when available could be used inground, but should be set in concrete over loose gravel



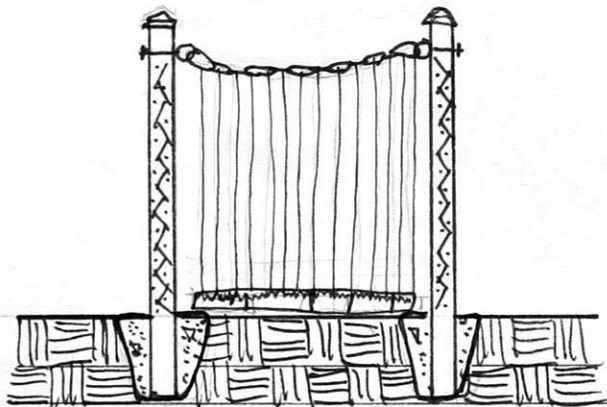
Concrete stumps may be considered as an alternative. Ensure quality finish with minimal sculpting/ details and use brown/ red oxides in cement mix.



Kakulu- traditional log drums to accompany stage performances

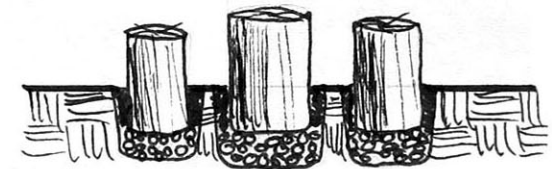
2m High post

500mm deep footing



Weaving improvisation- Ropes attached to top chain allow weaving activities with a range of materials .

**Detail F Post Variations**



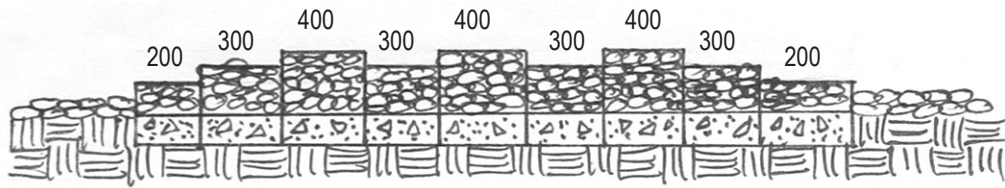
Timber stumps should sit over minimum 150 gravel prior to being set into concrete. Top of the seating stump should be 400-500mm

**Detail G Seating Alternative/ options.**



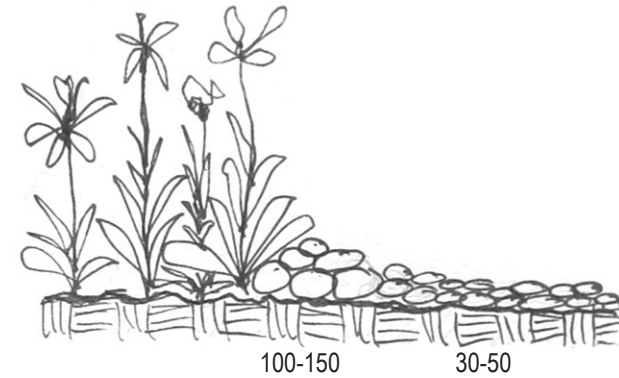
1:50 on A4

pg 8



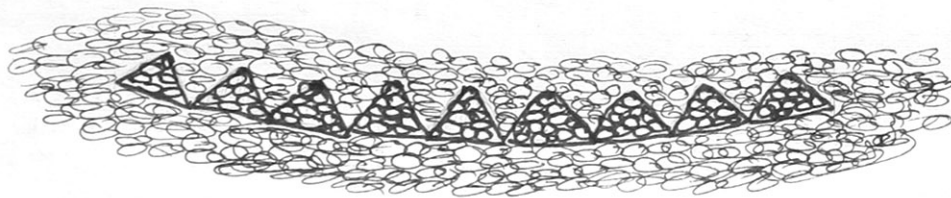
**Detail HH (Section) Triangle stepping stone seats**

Seating for stage and stepping stones across stone base. Suggested heights of each seat shown above. 100mm difference between each seat. Seats constructed of river stones embedded into formed concrete. Concrete to have minimum 200mm deep footing.



**Detail I : Typical Corner Garden Edge Detail**

Ornamental Gardens to have boundary of larger rounded river stones. This will discourage entry to garden and suppress weeds. Average size of stones are shown



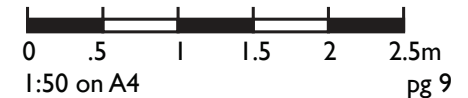
**Detail H (Plan) Triangle stepping stone seats**

Seats to have edges rounded for safety. Each triangle side to be 500mm. Small riverstone base to be used for surfacing in stage area.



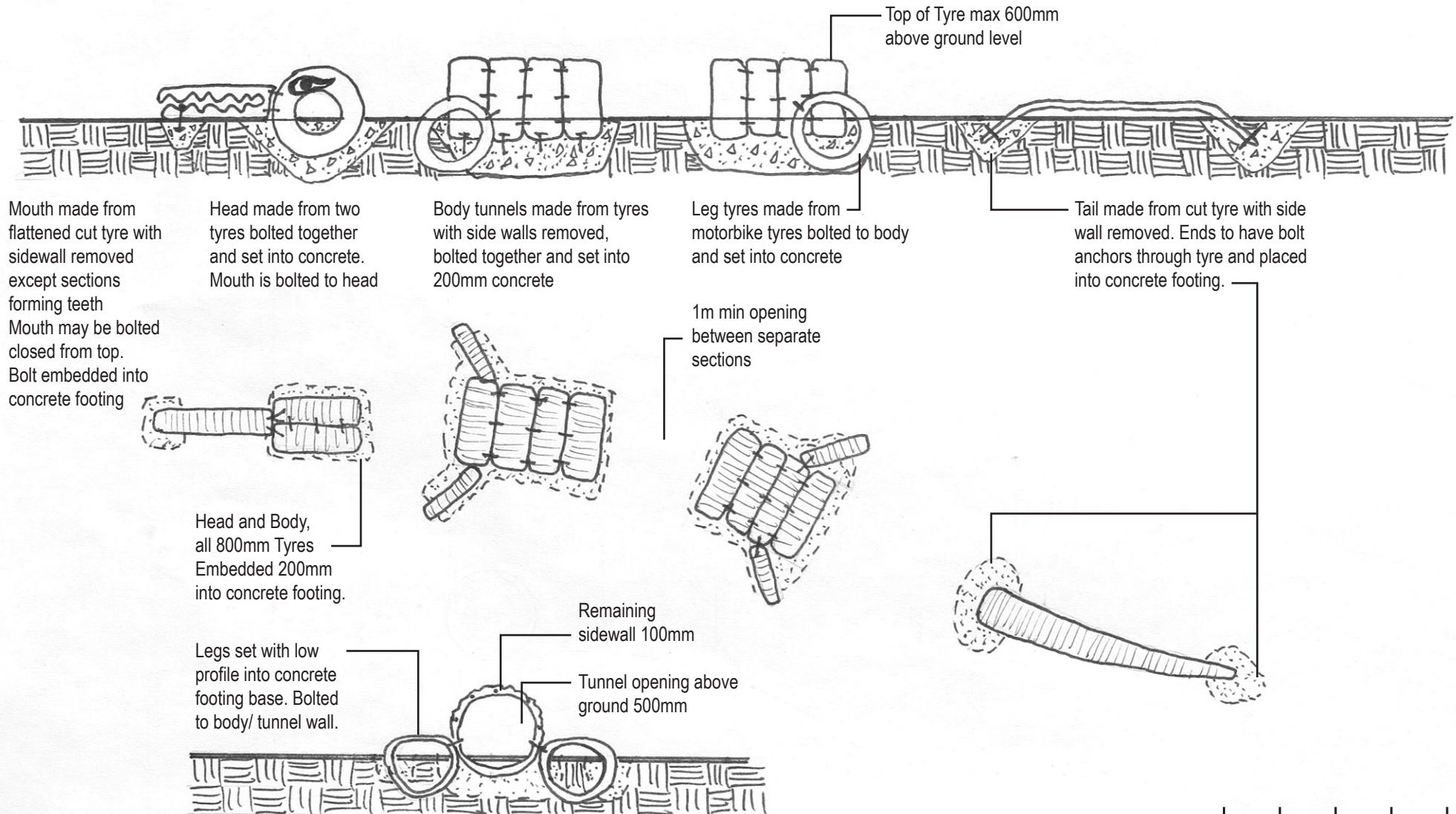
**Detail J : Log seating on Concrete Base**

Log seats set on concrete bases. Ensure stability of log through chipping out a flat section of log to sit flat on the concrete base. Top of the log 400- 500mm above river stone base.



**Detail KK: Crocodile Tunnel Side Section**

For crocodile choose knobby tyres/ 4wd tyres with maximum rubber tread Tyres. Body tyres all ~ 800mm  
 Legs made from motorbike tyres. All Tyres to be embedded in ground, into concrete. No steel from tyres should be exposed. Tyres with exposed steel may only be used if all steel can be set into concrete.  
 Best practice is to make each section and install in individual position.



Mouth made from flattened cut tyre with sidewall removed except sections forming teeth  
 Mouth may be bolted closed from top.  
 Bolt embedded into concrete footing

Head made from two tyres bolted together and set into concrete.  
 Mouth is bolted to head

Body tunnels made from tyres with side walls removed, bolted together and set into 200mm concrete

Leg tyres made from motorbike tyres bolted to body and set into concrete

Tail made from cut tyre with side wall removed. Ends to have bolt anchors through tyre and placed into concrete footing.

Head and Body, all 800mm Tyres Embedded 200mm into concrete footing.

Legs set with low profile into concrete footing base. Bolted to body/ tunnel wall.

Remaining sidewall 100mm

Tunnel opening above ground 500mm

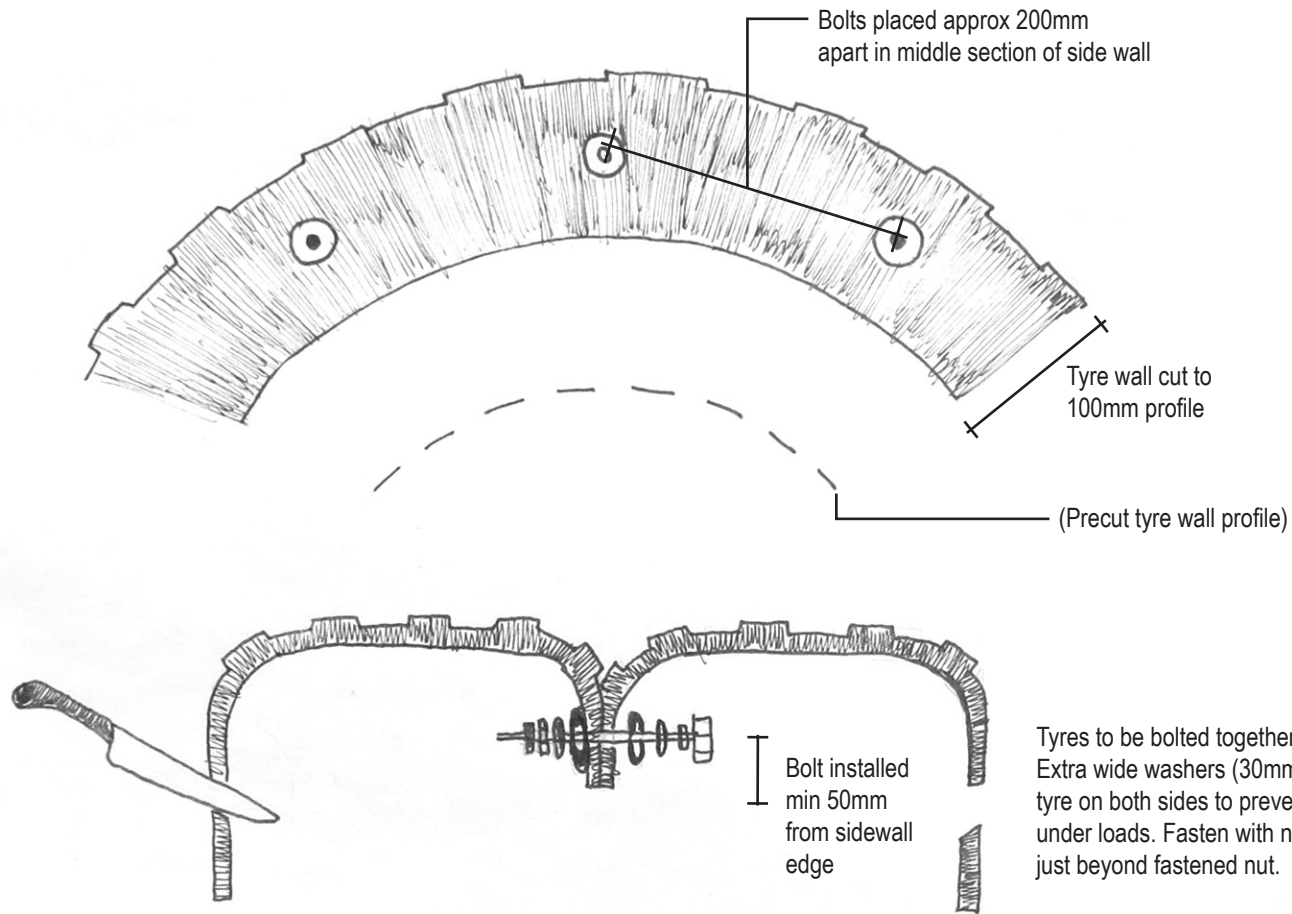
Top of Tyre max 600mm above ground level

1m min opening between separate sections

**Detail LL Crocodile cross section**

All tyres to be embedded into concrete with top of tyre body being a maximum 600mm above ground level. Tyres painted to resemble Crocodile.





Tyres to be bolted together with M10 galvanised bolts. Extra wide washers (30mm) to be used adjacent to tyre on both sides to prevent tyre wall from splitting under loads. Fasten with nuts and cut away bolt end just beyond fastened nut.

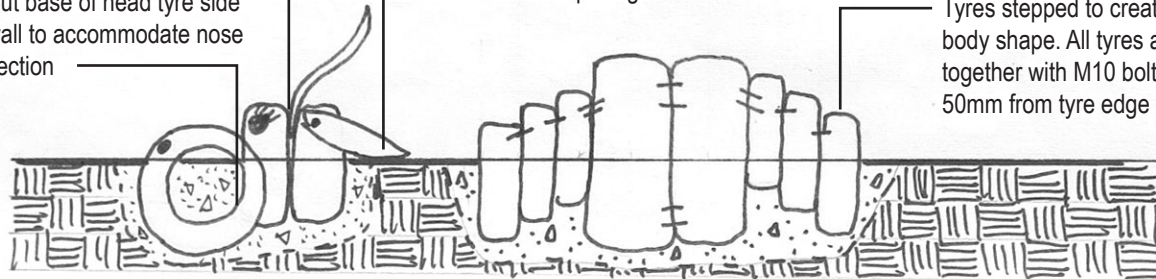
Detail M Tyre Connection Details

Horns constructed from reclaimed tyre side wall from crocodile tunnels cut to shape. Horns fastened between two head tyres. Ensure bolt is places 50mm from edge to prevent splitting.

Ears constructed from reclaimed tyre side wall from crocodile tunnels cut to ear shape. Horns fastened to surface of head tyres. Ensure bolt is places 50mm from edge to prevent splitting.

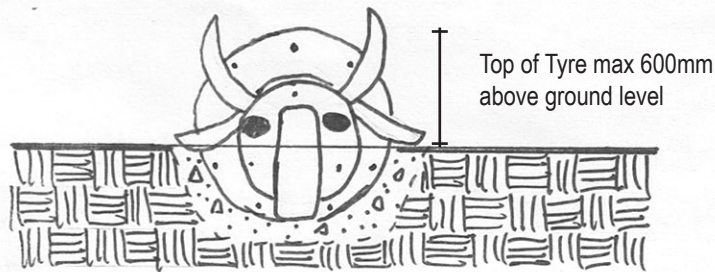
Cut base of head tyre side wall to accommodate nose section

Tyres stepped to create buffalo body shape. All tyres attached together with M10 bolts minimum 50mm from tyre edge



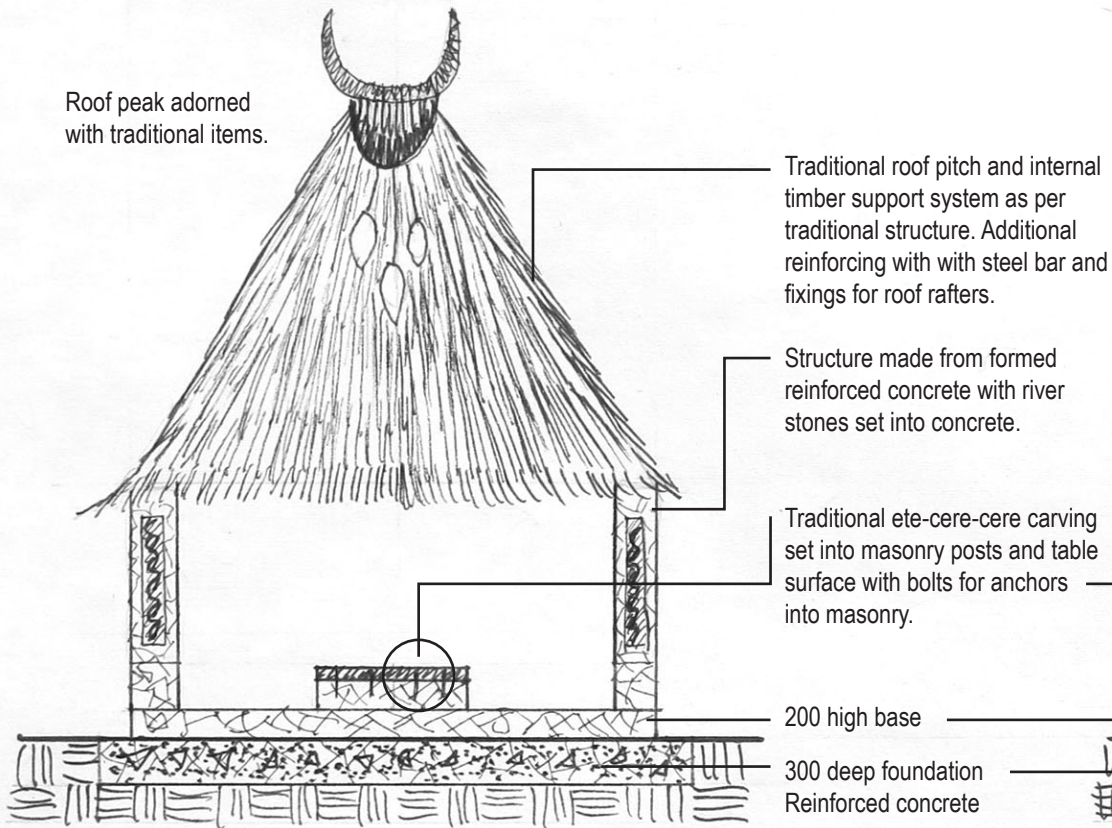
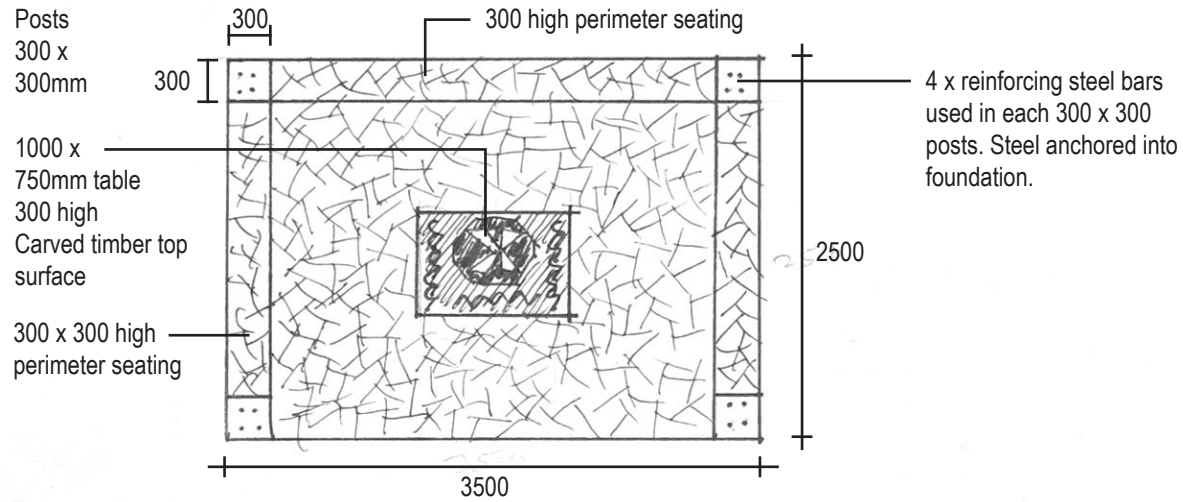
**Detail NN Water Buffalo Side Section**

Choose smooth tyres for entire water buffalo if possible. Use 800mm bus tyres for head and ends of body. Middle body section should be bigger truck or tractor tyres. Ensure sidewalls of end tyres are embedded in the ground or filled with concrete. See **Detail M** for connection Details

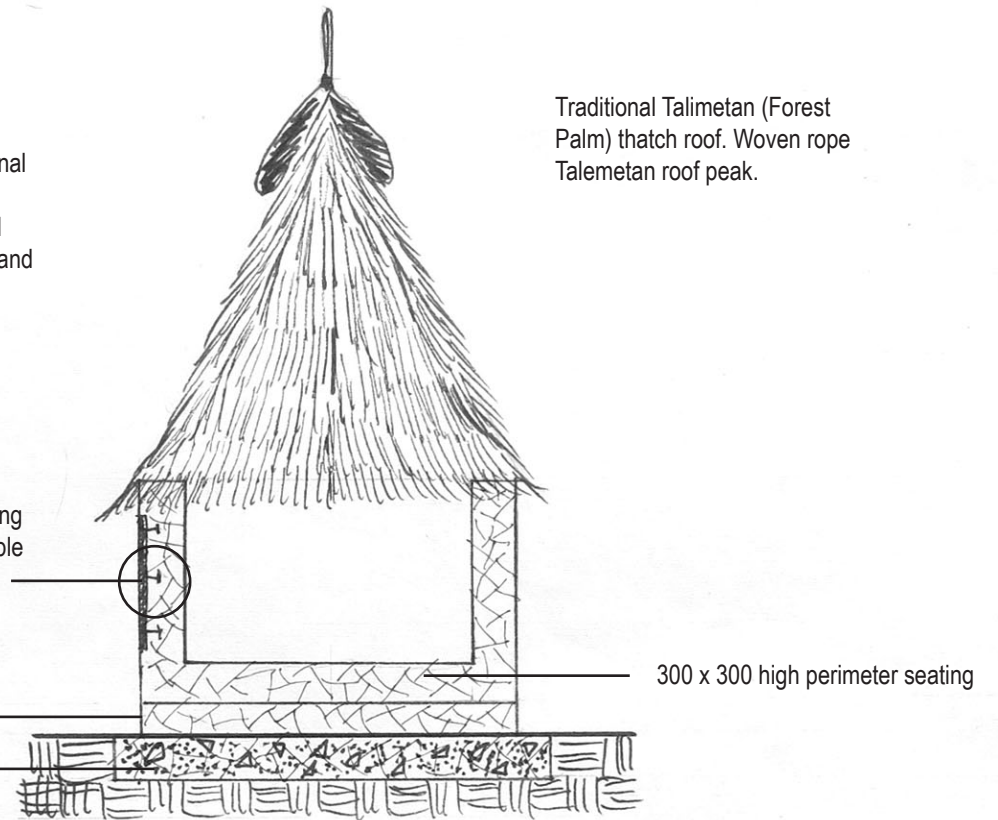


**Detail OO Water Buffalo Cross Section**

All tyres to be embedded into concrete with top of tyre body being a maximim 600mm above ground level  
Tyres painted to resemble water buffalo.



Detail PP: Uma Traditional Front elevation



Detail QQ Uma Traditional Side elevation

