

SITE PREPARATION

- Building Site to be graded flat with 5% slope away from structure, extending a minimum of 2.5M from perimeter
- Drainage necessary away from structure, which may require substantial fill material

CONCRETE

- River sand may be used only after thorough washing to remove fines (silt and clay)
- All aggregate to be clean and free of organic material
- Water to be clear - use flocculant on river water or any water with suspended particles

COLUMN EXCAVATION

- 400mm x 400mm x 900mm mass concrete pad foundation under each foundation steel column
- Concrete to be 1:2:4 cement:sand:aggregate, for the footing concrete
- All aggregate to be <50mm

FOUNDATION COLUMNS FOOTINGS

- 400mm x 400mm x 600mm, for foundation column
- Concrete to be 1:2:4 cement:sand:aggregate, for foundation column
- (4) 12mm reinforcing bars in foundation column
- 8mm links at 125mm on center per column
- All aggregate to be <50mm

SLAB

- 75mm thick reinforced concrete floor slab 1:2:4 concrete and for location without marram use to compact normal soil and sand compacted before slab to reduce the compression and expansion
- Floor slab to be with floor screed monolithically to achieve uniform bond.
- Excavate slab area flat. Place fine grade and compact 30mm layer of sand.
- Concrete slab to be cast on 200mm compacted gravel and sand
- Control joints to be located between all rooms. Joint can be insert or saw cut. 10mm minimum depth

WALL COLUMNS:

- 100mm x 100mm x 3mm thick steel hollow wall section reinforced with
- Concrete to be 1:2:4 cement:sand:aggregate, for wall column Build half wall with brick walls,

WALLS:

- NOTE: for locations without clay burnt bricks, use of local materials like Bamboos, Timbers boards, and iron sheets can be used for the walls
- 400mm high on foundation use brick work to prevent flooding,
- 1800mm Bamboo walling on front and rear face of the building
- 2800mm high from the foundation and finished with iron sheets

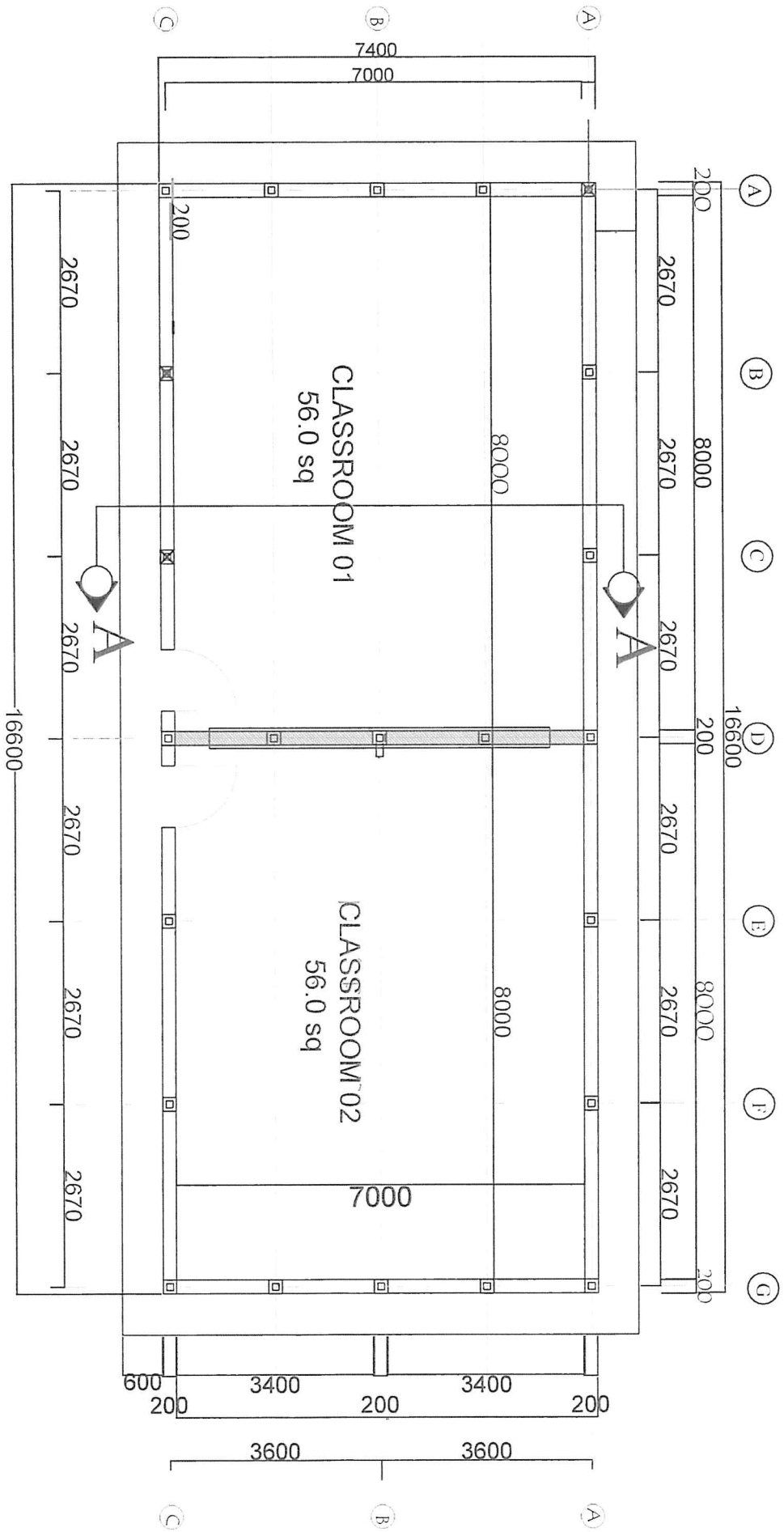
DOORS

- All doors are made of Iron sheets

ROOF

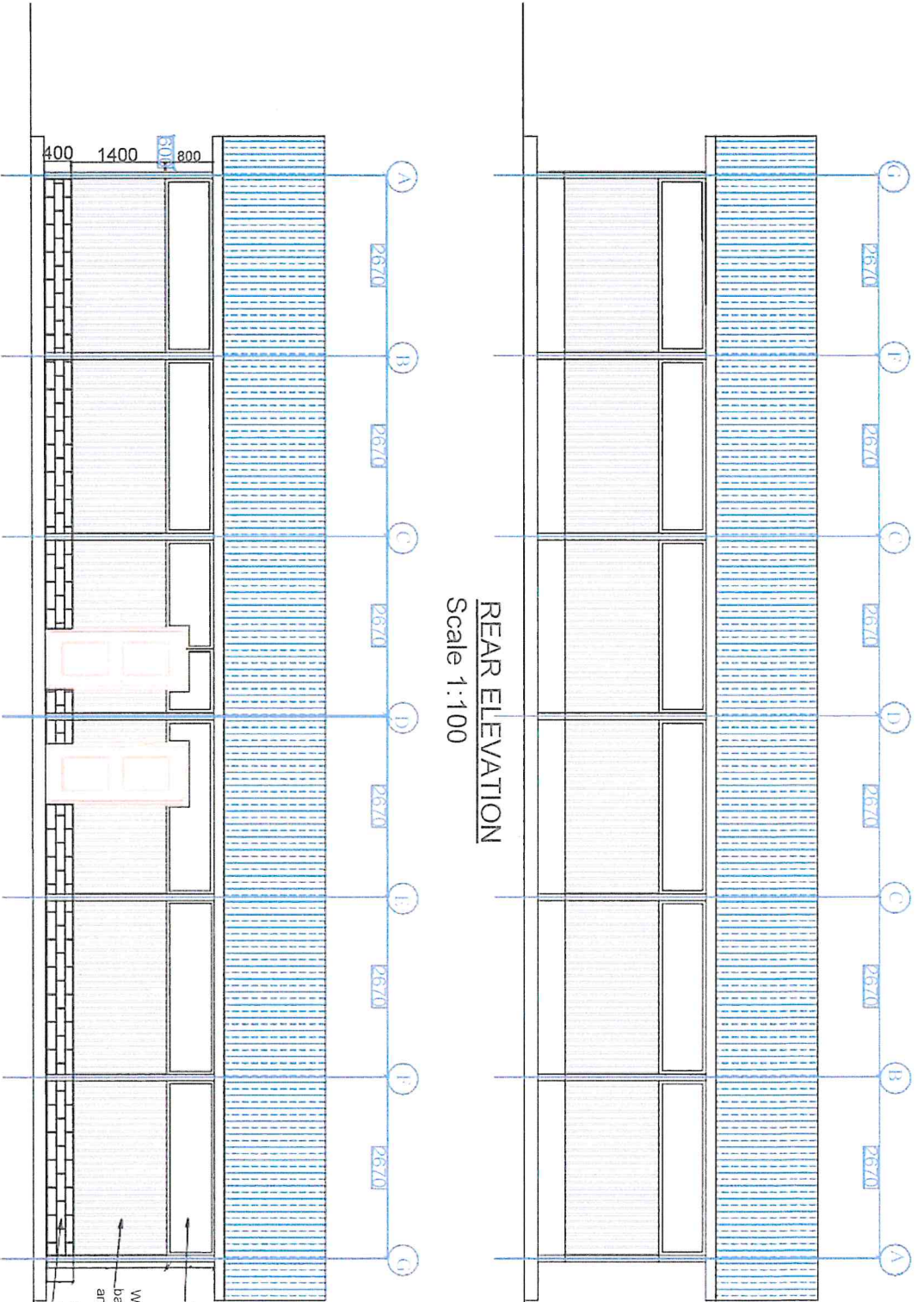
Metallic

- Use corrugated 28gauge colored roof sheet 28gauge
- All 60mm x 40mm x 2mm rafters, 60mm x 40mm Tie Beam, 40mm x 40mm x 1.5mm struts and 40mm x 40mm x 2mm square steel purlins. All members to be painted with three coats of anti-rust paint or equivalent
- Purlins to be welded to rafter and to supporting deal to provide adequate weld area and connection
- All steel members to be free of rust and all Nodes to be connected with gusset plate minimum 6mm thickness as indicated on drawings
- Rafter structure members to all be welded with adequate weld filler of at least 6mm
- Roof structure tie beam to be welded to 60mm x 40mm square tube.
- Roof sheets profile to be corrugated colored, 28 gauge
- All sheets to overlap 200mm
- Concrete floor to be 75mm 1:2:4 cement:sand:aggregate
- Floor screed monolithically to achieve uniform bond.
- Compact marram, or place hardcore or compact natural soil mixed with sand to attain maximum compacted base layer. All Floor style may vary according to the location.



STRUCTURAL FLOOR PLAN

Room	Area (sq)	Dimensions
CLASSROOM 01	56.0	8000 x 7000
CLASSROOM 02	56.0	8000 x 7000



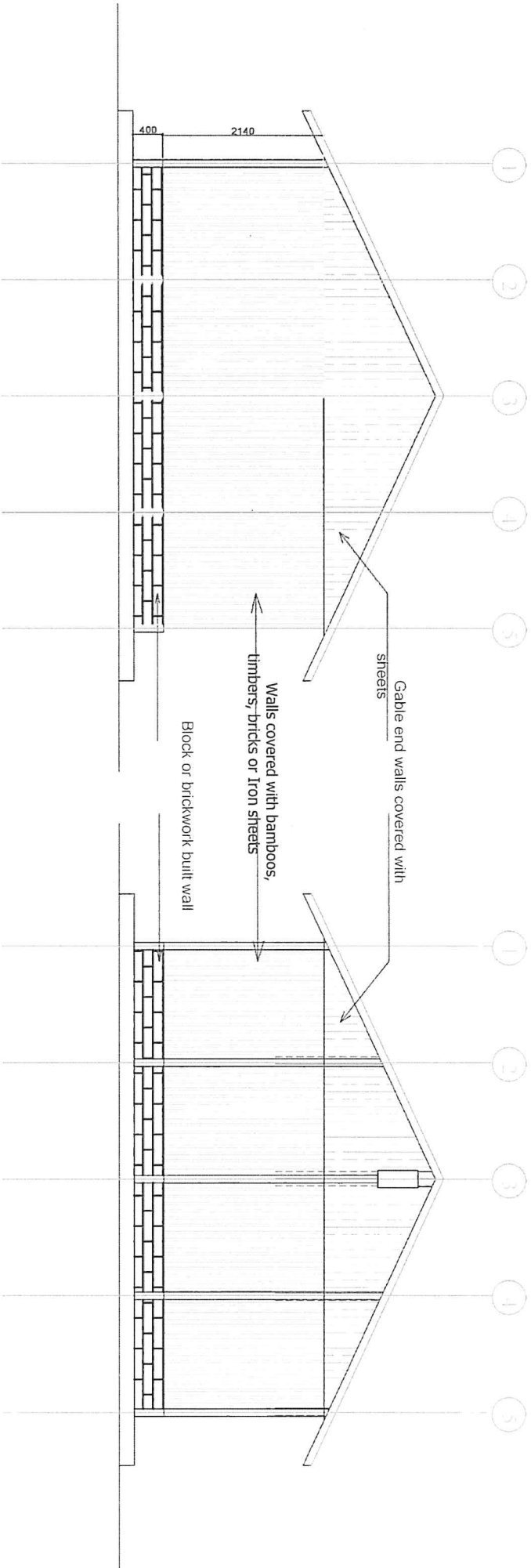
REAR ELEVATION
Scale 1:100

FRONT ELEVATION
Scale 1:100

OPENINGS ABOVE
 Wall made of available materials
 bamboo / Bricks / Timbers boards
 and iron sheets.
 400mm high Wall made of clay
 Bricks

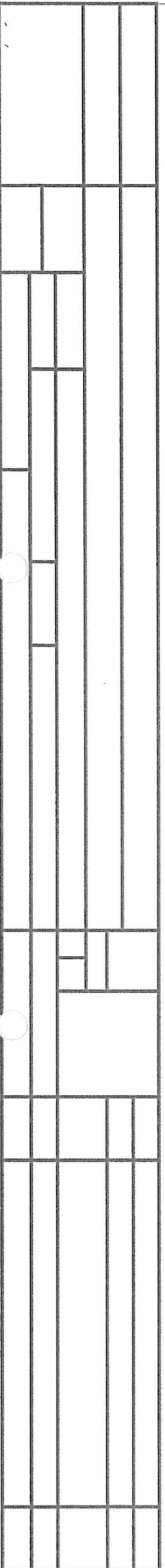
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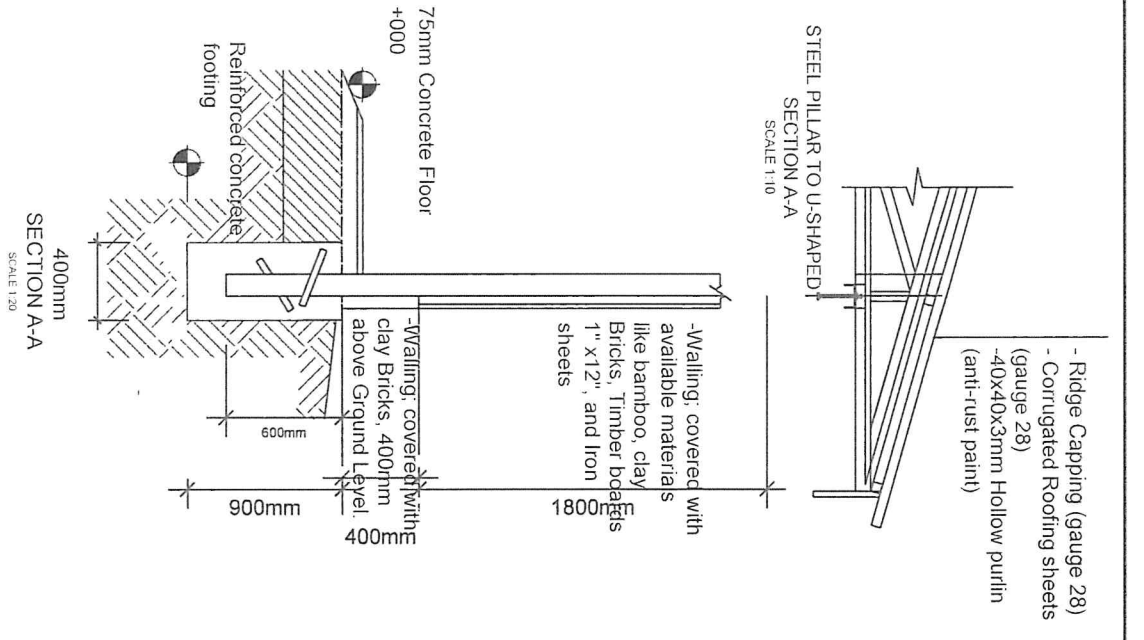
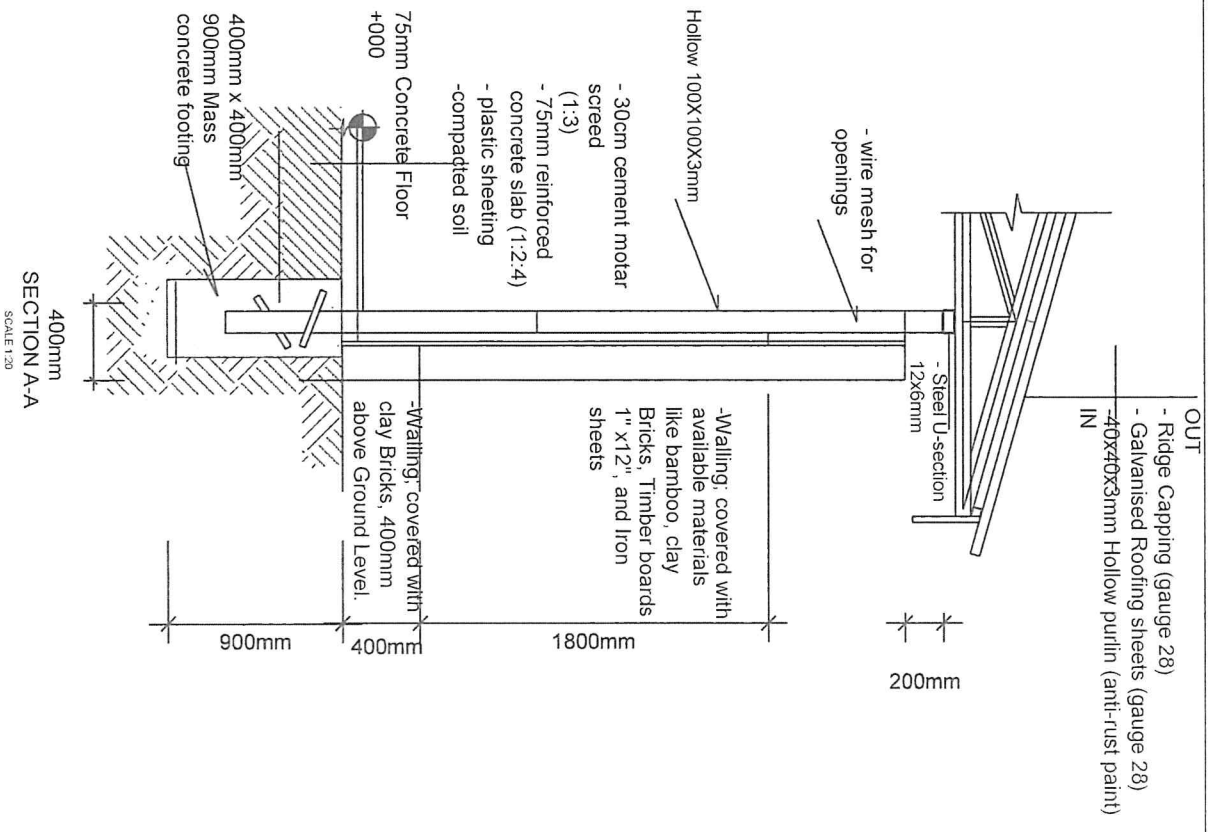
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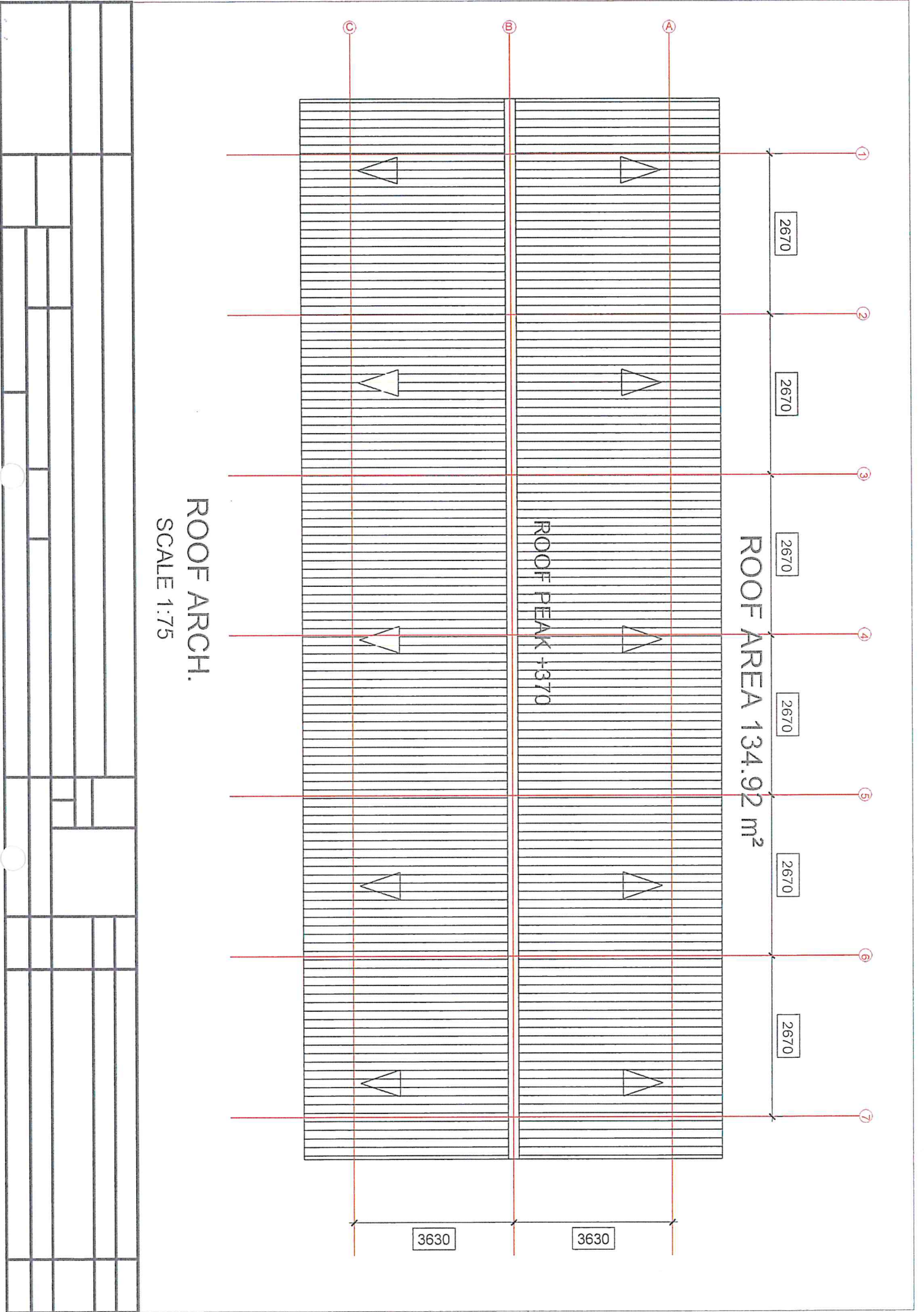


END ELEVATION
Scale 1:100

LEFT END ELEVATION
Scale 1:100







ROOF AREA 134.92 m²

ROOF PEAK +370

ROOF ARCH.
SCALE 1:75