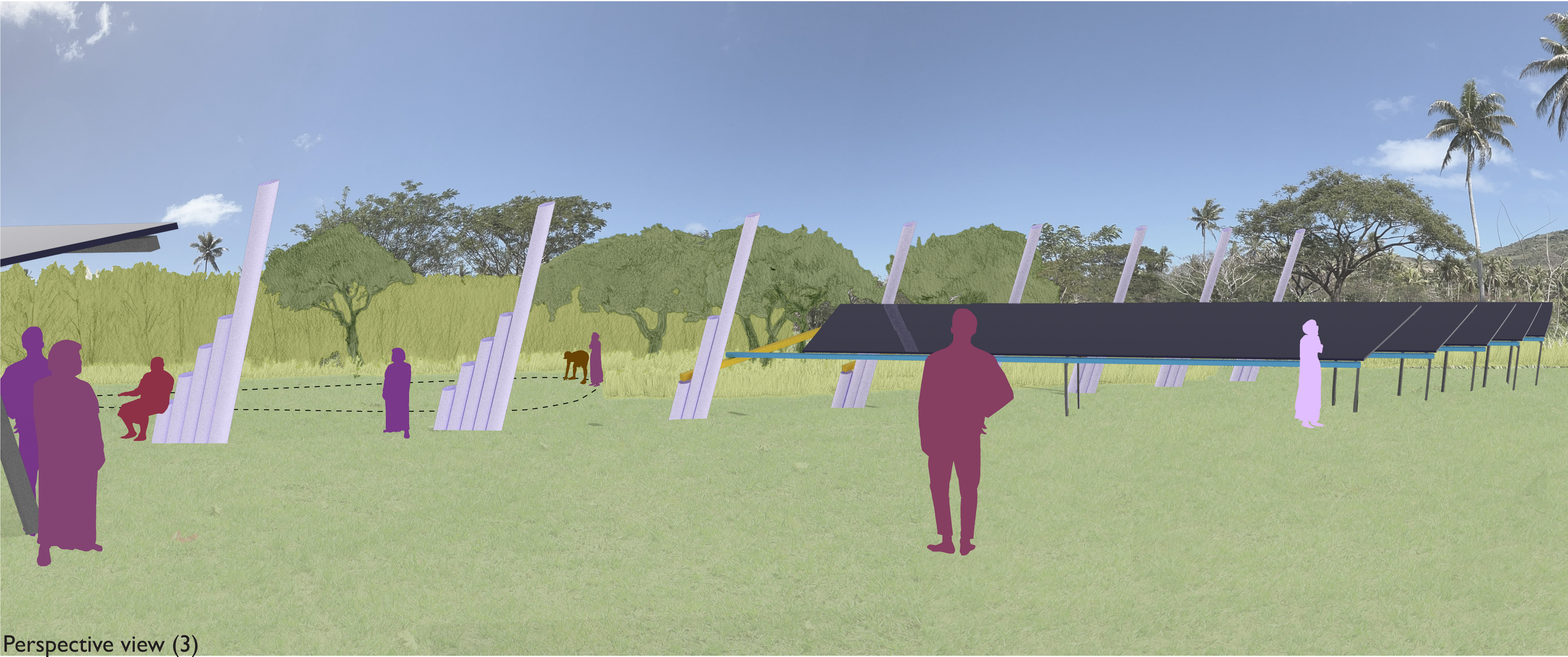


Key Plan



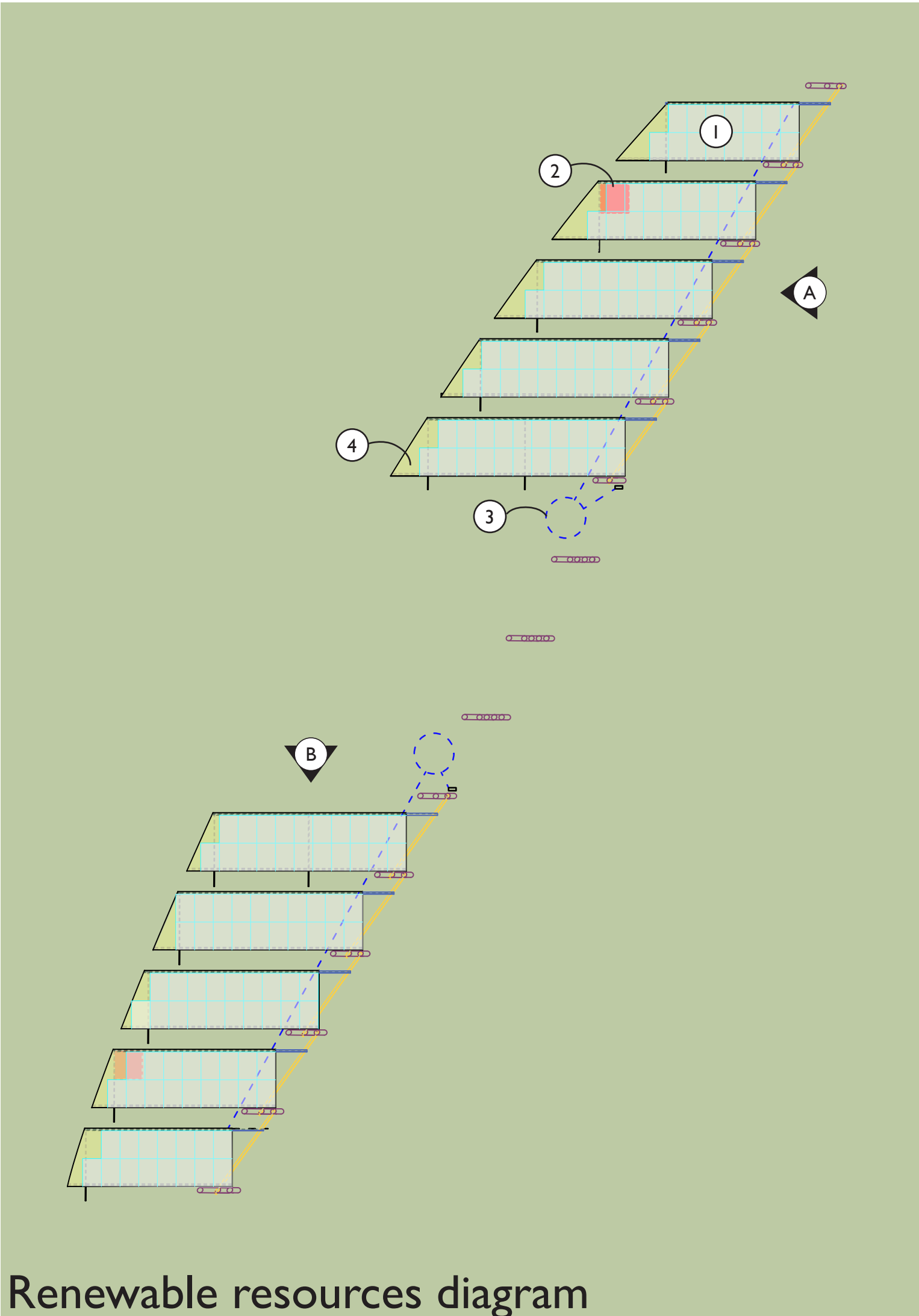
Perspective view (3)

Key

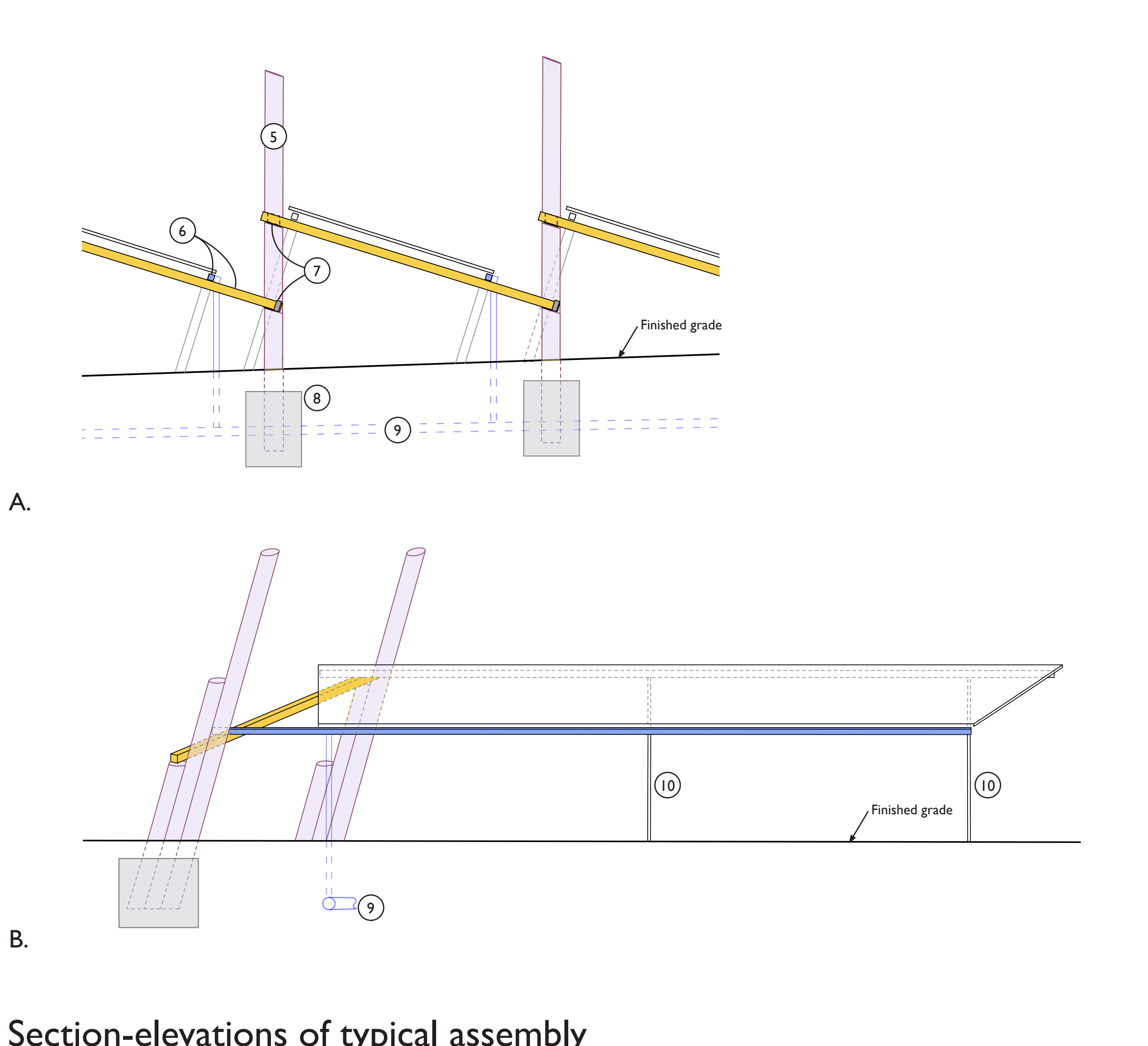
- ① PV panel, typ of (185).
Basis of Design is by Magnus Green: 1134 mm X 1722 mm X 35mm, rated at 445 watts.
Proposed design has total nameplate capacity of approximately 82,000 kWh.
- ② Elevated lockable cabinet for solar equipment located beneath PV module assembly, typ of (2).
Integrate cabinets with PV structure or provide separate foundation/ground based on final design. Footprint of 1.5m X 1.5m is shown.
- ③ 10,000L cistern below grade with connection to powered yard hydrant, typ of (2).
Proposed design has a point-in-time total storage capacity of approximately 20,000L.

Total proposed surface area for rainwater collection is 409 sq meters.

Cisterns to be equipped with overflow; release at location down-slope, possibly in proposed garden areas.
- ④ Yellow highlighted areas; additional custom PV panels if feasible; otherwise infill with sheet metal.
- ⑤ Industrial fiber reinforced plastic (FRP) pipe with custom cuts and caps, or modified treated wood poles, typ; material to be selected based on local availability
- ⑥ Powder-coated steel
- ⑦ Bracket attachments (steel to FRP/wood) by local structural engineer
- ⑧ Footings as required by local structural engineer; typ
- ⑨ Pipe below grade to cistern
- ⑩ Powder-coated steel



Renewable resources diagram



Section-elevations of typical assembly