

30/4/26 Minor revision to “Queenscliff Solar Heritage Impact pages 5 and 6 to comply with AS3000 wiring regulations. The existing termination box is unsuitable and needs to be replaced. Changes to original document are in red text.

11. The electrical cables connecting each of the 31 solar panels are run under the panels and cannot be seen.
12. The single DC cable that connects the 31 solar panels to an inverter is run through the roof and into the roof cavity of the station building to an opening on the south wall of the station. An external 35mm diameter conduit then runs approximately 1000mm down the south wall to the inverter which is mounted on the wall above the existing electricity supply cable and termination box. Refer to Photo 6.

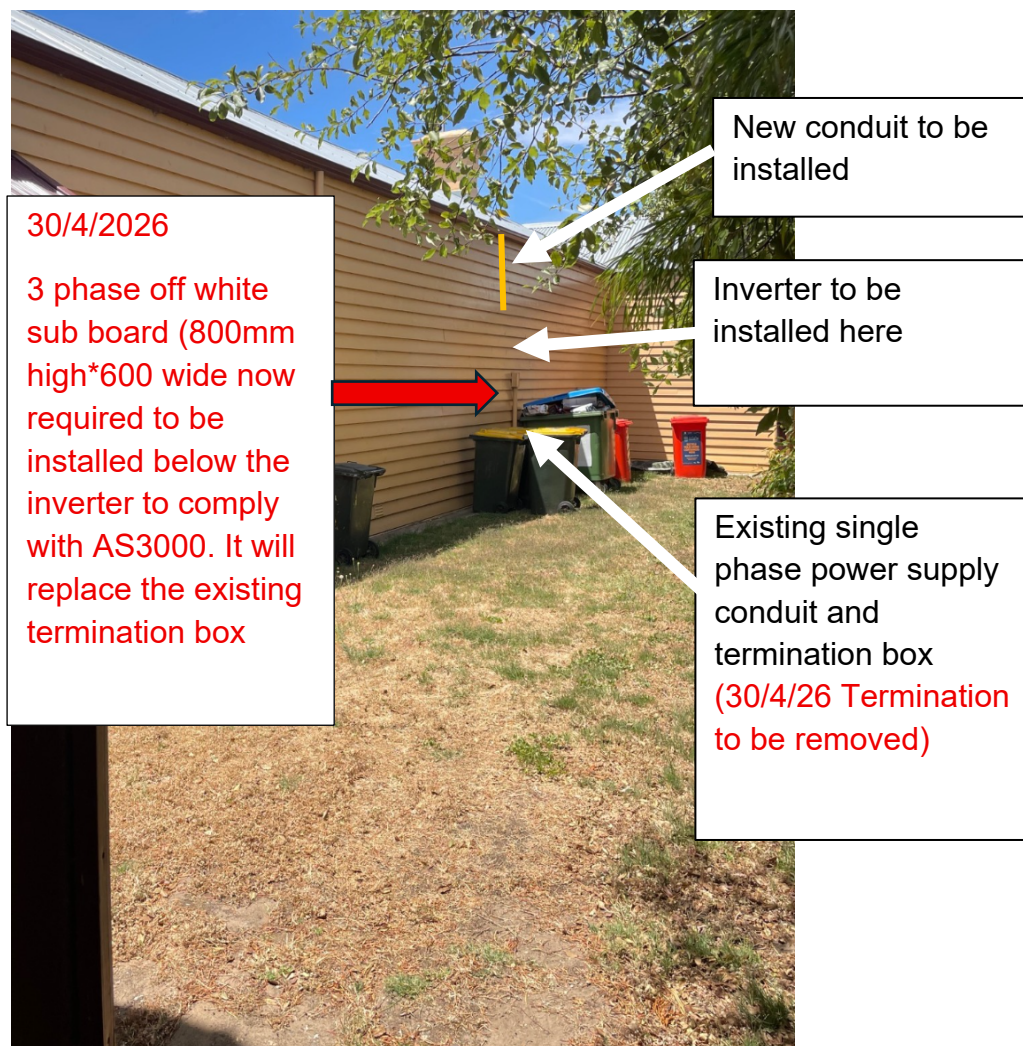


Photo 6. South wall of Station building and service courtyard. This courtyard area is surrounded by the station building and 1800mm timber fence. It is not accessible nor seen by the public.

13. The inverter to be used is housed in a grey box 480mm high by 370mm wide by 225 mm deep.<sup>1</sup> Refer to Photo 7,



Photo 7. Photo of an identical inverter. This one is mounted on a wall of the Queenscliff Railway Workshops.

14. The inverter **and sub board** cannot be seen by the public as the station south wall and railway equipment storage courtyard is hidden by a 1800mm wooden paling fence and a dense planting of trees and bushes. Refer to Photo 8.

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<sup>1</sup> These are the dimensions of the Sungrow inverter proposed to be used. Depending on time taken to process this application, and supply chain issues, a similar inverter maybe used.

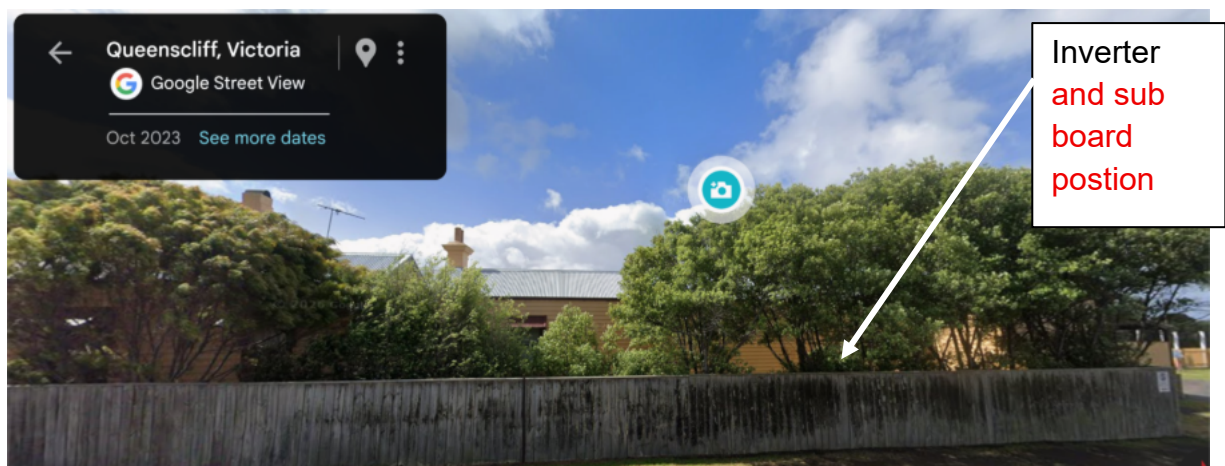


Photo 8 Street view of the south side of Queenscliff Railway Station.