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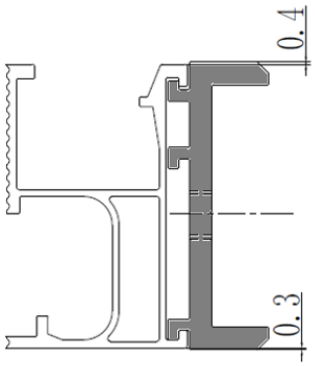
ECO-Rail splice & Cross Connector clamp compatibility with ELite-Rail

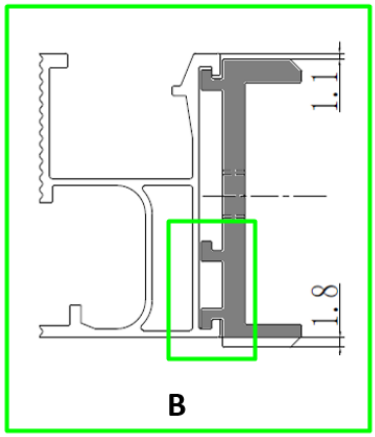
This document is a quick guide how to instal the ECO-Splice (ER-SP-ECO) and Cross Connector (CRC-ECO) with the new ELite-Rail (ER-R-ELT)

1. Splice position and orientation

When installing the ER-SP-ECO with the ELite-Rail, its recommended to install it as diagram B. This will ensure that the top of splice is not 0.4mm above the rail and potentially obstructing the panel frame. When installed in the position as shown on diagram B, the top of splice will sit 1.1mm under the rail's top surface.



A

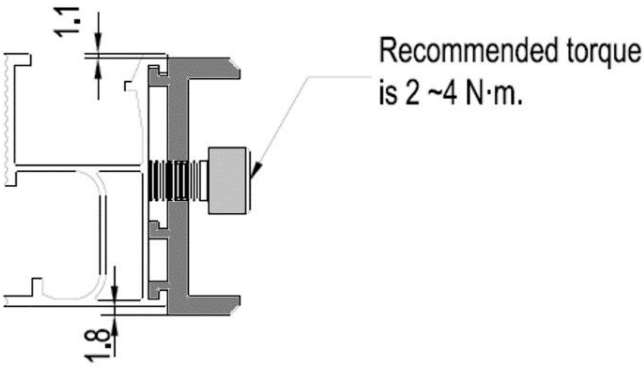


B

2. Splice torque

The ELite rail is the Lite version of the ECO-Rail and as a result, the walls are thinner. We can no longer over torque the bolts with the ELite-Rail as it will deform the walls and pull the upper channel wider.

The torque range required for the ELite-Rail and ECO-Splice is 2-4 N.m.



- This will not impact the structural integrity of the system as the defined 2-4 N.m. torque is sufficient to secure the required positioning of the splice for the design life of the system. The interconnecting channels preform the primary function of the splice.

- The defined torque is also sufficient to establish the earthing continuity for the system.

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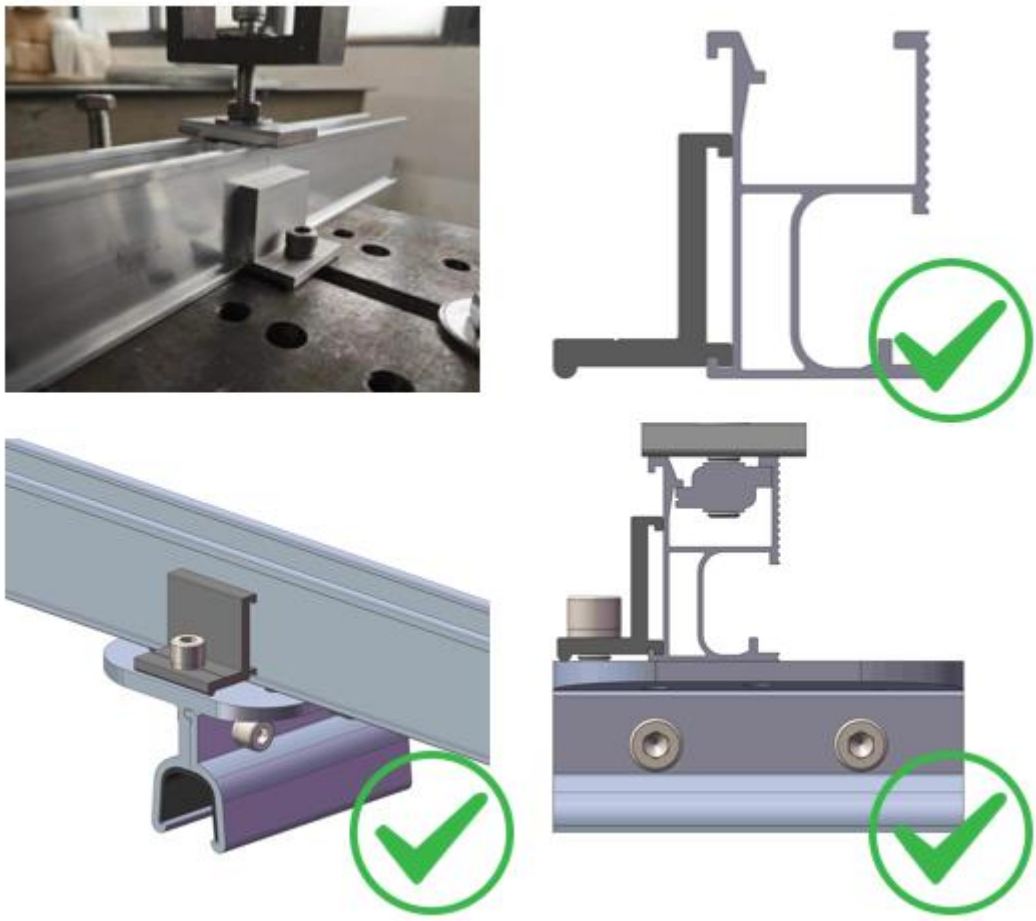
3. Cross Connector with Elite Rail

When installing the CRC-ECO to the Elite rail, only the bottom lip connection is required.

This has been tested and the single locking from the bottom lip provides adequate strength to secure the rail.



If you have any further questions relating to the above, please contact tech@clenergy.com.au

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