

**Australian Rollforming manufactures key components for the VLocity passenger trains as part of the Victorian Government's Regional Fast Train Project.**

The components manufactured by Australian Rollforming included cant rails, corrugated roof panels, side sill assemblies, corrugated side walls and under frames.



Thicknesses ranged from 1.2mm for the outer wall panels; 2mm for the corrugated roof panels and floor underframe; 4mm for the cant rails, and 6mm for the side sills.

Rollformed from 304 grade stainless steel in Australian Rollforming's manufacturing facility in Dandenong, Victoria, these components were supplied to Bombardier Transportation who built the trains.

The components were up to 25 metres in length, therefore straightness of the panels and being free of any bowing were critical.

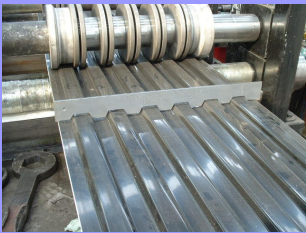
Manufacturing tolerances were very tight with many being down to  $\pm 0.5\text{mm}$ , and adherence to these tolerances was essential as each component went to a robotic welding process as part of the overall assembly process.



The overall project called for 100 carriages to be built and it was essential that Australian Rollforming was able to deliver finished components to spec, on time and in the required quantities in accordance with Bombardier Transportation's de-



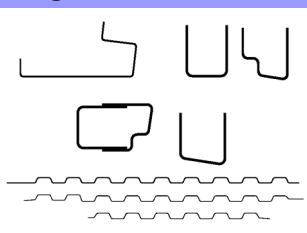
**Cant Rails being Rollformed & Packed for Despatch**



**Roof & Wall Panels being Rollformed & Packed**



**Side Sills being Rollformed & Assembled manding build schedule.**



**Assembled Wall Panels**

**Profile Cross Sections**

Australian Rollforming manufactures a number of key components, including cant rails, roof and wall panels, side sill assemblies, and under frames, for all types of rail passenger carriages including light



and heavy rail, tram and monorail vehicles.

Contact us to discuss your requirements.

Our reputation for **reliability** and our ability to partner our customers sets us



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