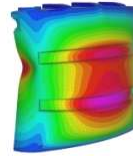


Date: 2022 to Present  
Client: Vanderlande



David Beneke Consulting

Finite Element Analysis for Engineering

## CONVEYOR SUPPORT STRUCTURES

### Project Description:

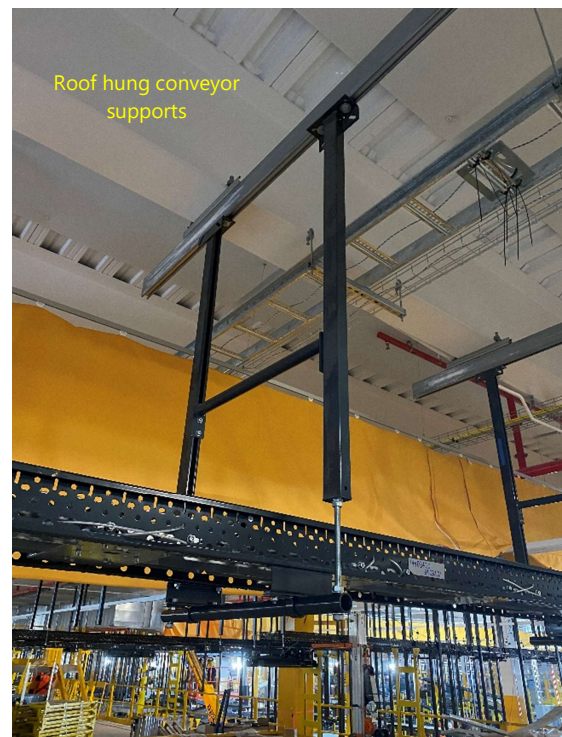
David Beneke Consulting was commissioned by Vanderlande for a number of logistics projects within the Sydney and Melbourne areas, namely:

- BWU2 Amazon at Kemps Creek, NSW
- WSA - Western Sydney Airport project at Badgerys Creek, NSW
- ASICS Marsden Park, NSW
- Hello Fresh, NSW
- Harris Farm at Prospect, NSW
- MEL 9 Amazon at Cragieburn, VIC

In all cases we undertook 3<sup>rd</sup> Party structural proof checking of the following conveyor support structures:

- Floor mounted tote and pallet conveyors
- Roof mounted tote and baggage conveyors

These structures are generally fabricated from both light gauge and hot rolled steel thus requiring adherence to both AS/NZS4600 and AS4100. For each conveyor support structure type, our assessment included dead and live loads on the conveyor plus both lateral instability and seismic loads.



### Contact:

dbconsulting@live.com.au  
davidbenekeconsulting.com  
Ph +614 1257 5693  
23 Narabang Way, Belrose NSW 2085