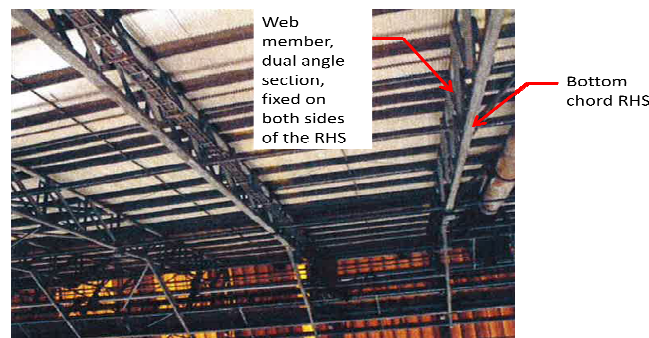


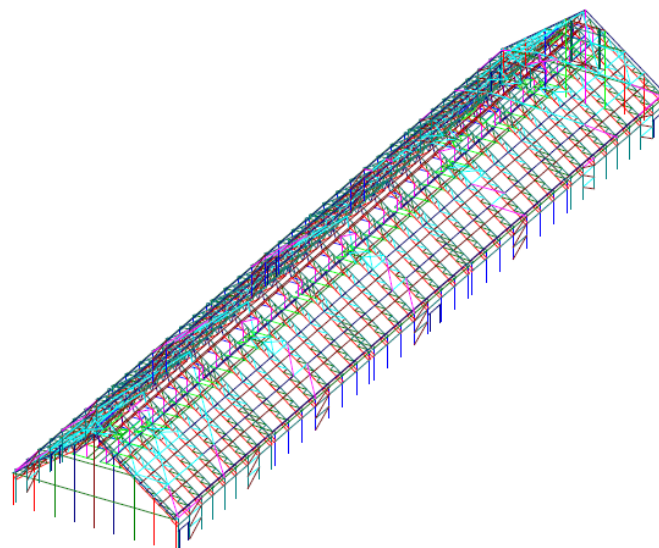
Structural inspection for Stockpile Building: 250m long x 50m wide x 25m high, Qld

Works undertaken

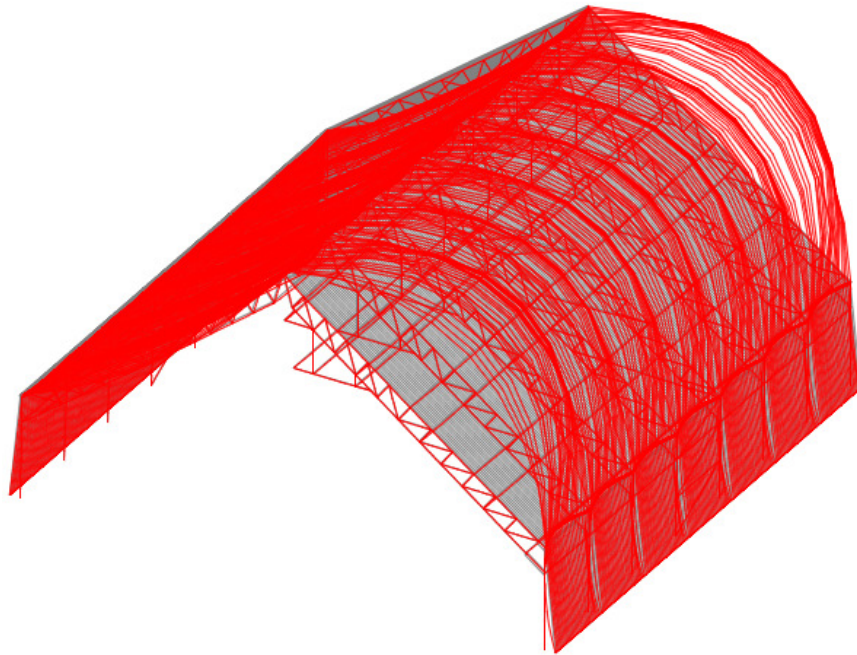
- ✚ Structural analysis for the as-built building condition
- ✚ Structural analysis for the corroded condition
- ✚ Provide structural repair methods for the weakened members
- ✚ Detail structural analysis for the repair building
- ✚ Study the building behavior under the cyclone condition as per cyclone category of the Code
- ✚ Study the cable strengthening methods
- ✚ Investigated the strength of the corroded members
- ✚ Detail calculation for the remaining strength of the corroded members
- ✚ Prepare repair detail sketches
- ✚ Report



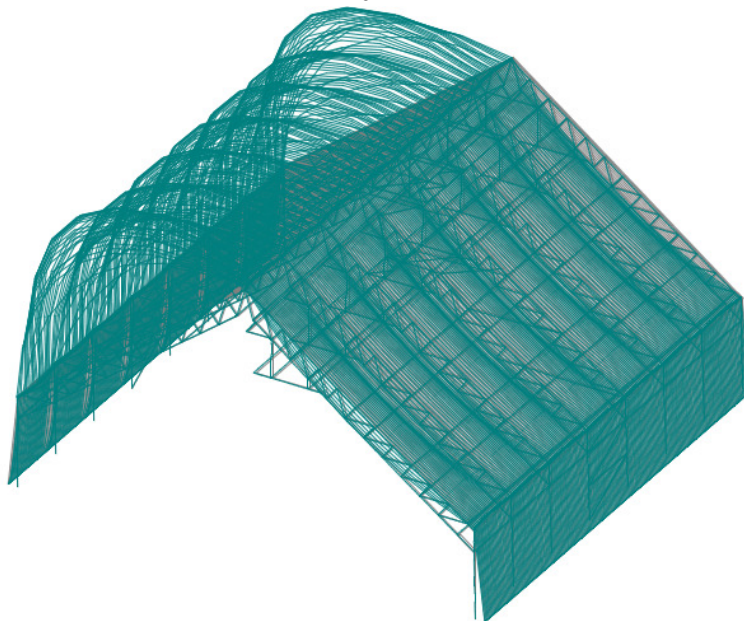
Inside view of the building



Structural model



Roof cables subjected to left wind



Roof cables subjected to right wind



Thickness test location 1 to 3 for corroded members



Thickness test location 4 to 6 for corroded members



Thickness test location 7 to 11 for corroded members



Thickness test location 8 to 12 for corroded members



Thickness test location 13 to 19 for corroded members



Thickness test location 20 for corroded members



Thickness test location 21 for corroded members



Thickness test location 22 for corroded members