

Figure 19, Figure 20, Figure 21, Figure 22, Figure 23, Figure 24, this study confirms that the deck structure in the crane foundation area is structurally acceptable under the considered crane loading cases, while also identifying the 180° slewing condition as the governing design case and the most important target for future fatigue assessment, maintenance planning, and possible structural refinement.

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### Conflict of interest

The authors declare that they have no conflict of interest.

### Authors' contributions

Farzad Tahmasebi (100% of contributions) including: conceived and designed study, collected and analyzed the data and writing conclusions.

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