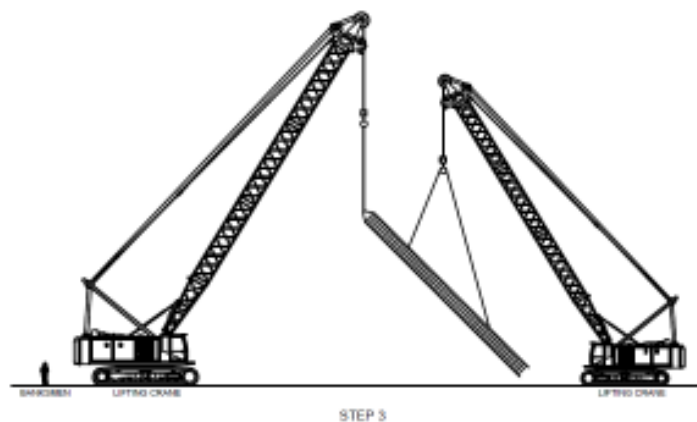


# LESSONS LEARNED

## LIFTING OPERATIONS – D WALL CAGE

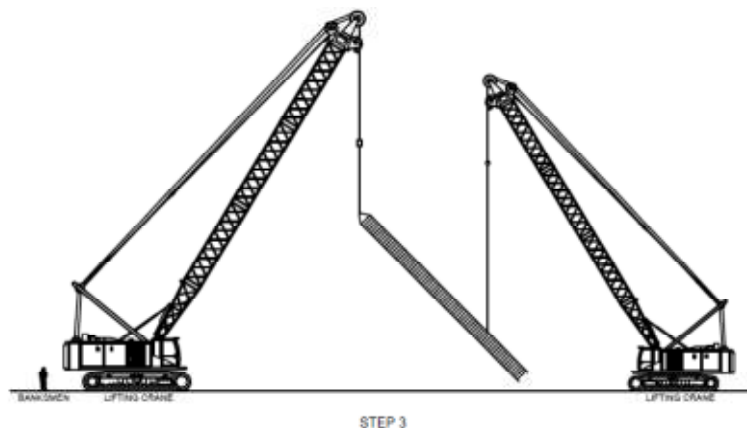
- The lifting operation for the installation of the reinforcement cages with two cranes has been modified.
- **Reason:** As the first D Wall cage started to be lifted, the Appointed person (AP) observed the distribution of the weight of the cage with the 3 point lifting (Figure 1) would have been unstable. He decided to stop the operations and change the lifting procedure.

Figure 1: Three (3) point lifting



- **Solution:** The 3 point lifting procedure (Figure 1) was modified and a 2 point lifting procedure was adopted (Figure 2). The lift plan was updated and briefed out to the lifting team.

Figure 2: Two point lifting



- **Outcome:** During the process of updating the lifting procedures, there was a temporary works design check, a lifting plan operations update, and the corresponding project meeting to discuss the way forward. The outcome was positive, allowing for the first D Wall cage to be installed.