

# SAFETY ALERT

## Summary

On Friday 6/15/2018, at approximately 9:35 a.m., a 57-ft rebar cage was delivered to the work area and offloaded onto the ground by a crane. Rigging included two temporary #8 rebar “lift bars” that were attached to the cage to properly elevate it from a horizontal position to vertical. Once in a vertical position, it would be lowered into the Caisson shaft. During the lifting process, the temporary lift bar became loose and dropped to the ground. This caused the rebar cage to fall back to the ground. The cage fell away from the crane and inside the exclusion zone. There were no injuries or property damage beyond the cage itself.

## Contributing Factors

- Deficiency in lifting procedure
- Incorrect tool for task

## Preventing Recurrence:

- Enhanced procedure for rebar cage installation.
- Use a candy cane-shaped lifting bar to ensure desired position.
- Tie lift bars at each intersection point along the 8-ft length of the bar 100% using double tie wire in a figure-eight.
- Use # 9 wire on all horizontal rebar from the lift point and above.
- A two-person verification system was implemented to review all pre-lift documents and rigging prior to lift.



New candy cane design



Old design

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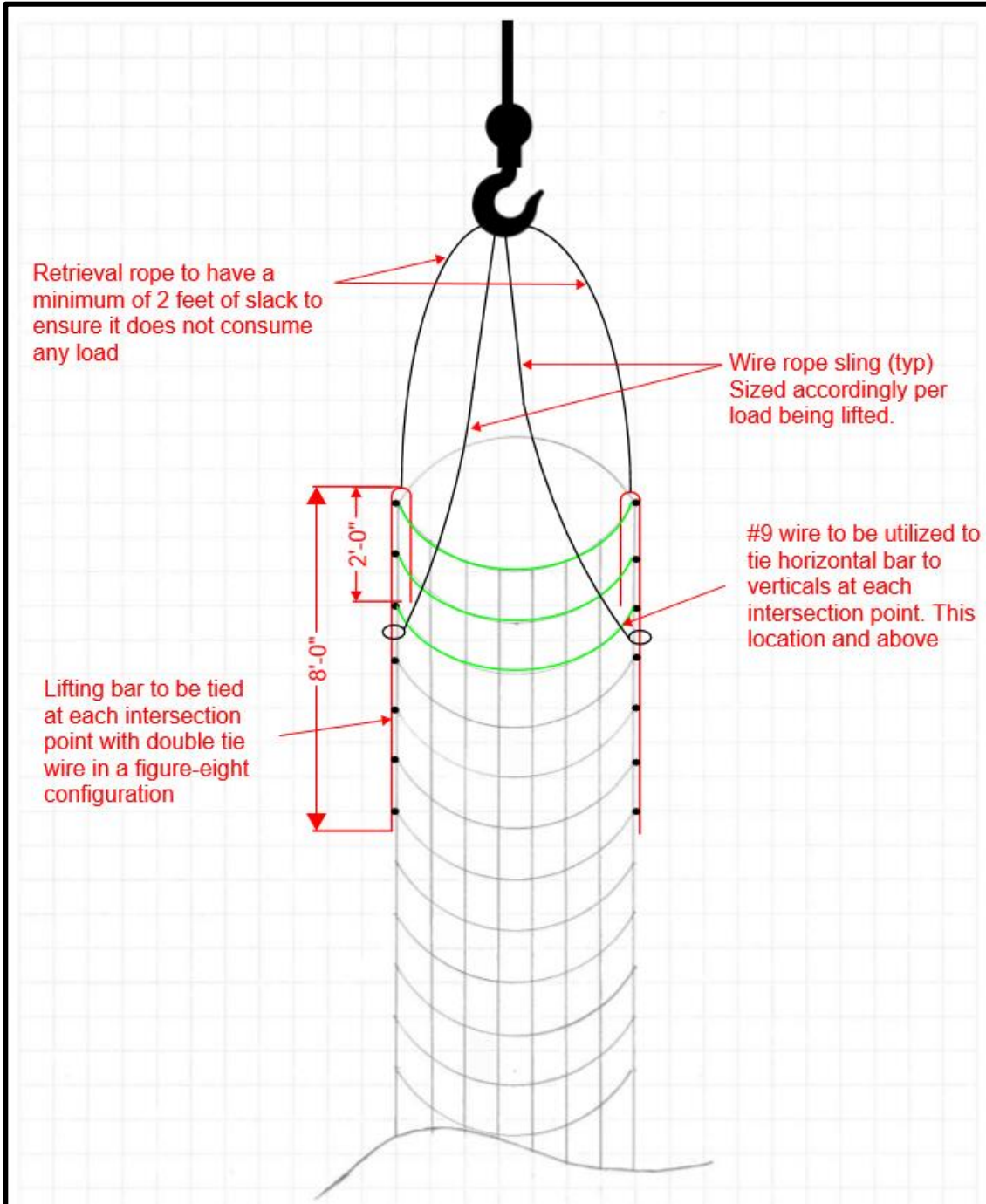


Diagram of new candy cane design