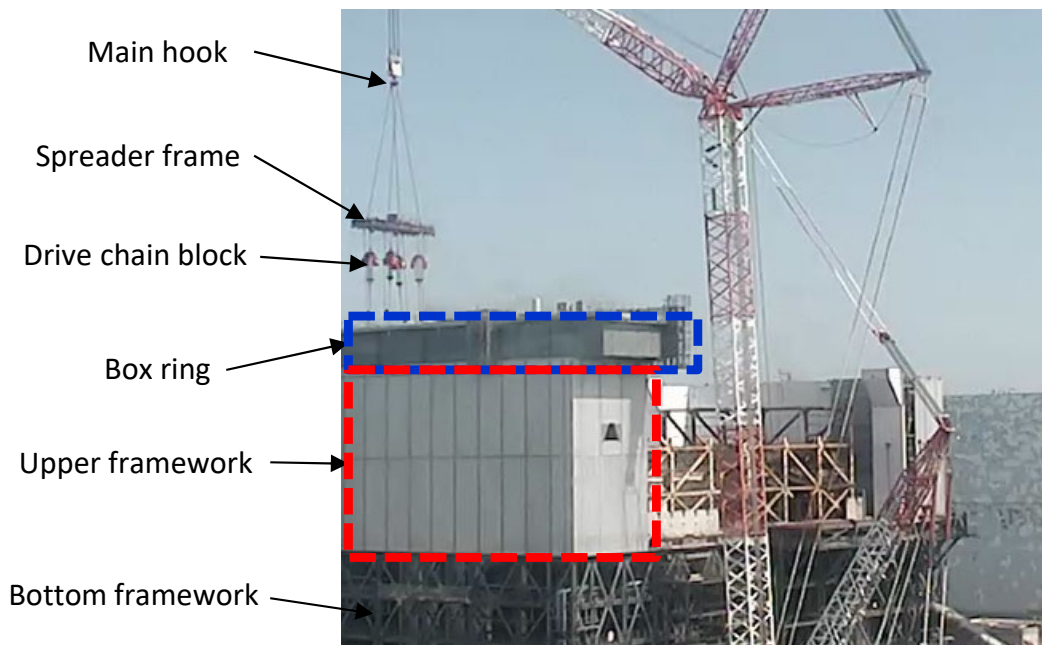


# Fukushima Daiichi Nuclear Power Station

## Unit 1 Large Cover Installation: Inability to Lower a Main Hook of a 1,250 Ton Crawler Crane

<Reference document>  
 June 23, 2025  
 Tokyo Electric Power Company Holdings, Inc.  
 Fukushima Daiichi Decontamination &  
 Decommissioning Engineering Company

- A large cover that will encompass the entire Unit 1 reactor building is currently under installation so as to improve the reliability of dust dispersion countermeasures and prevent rainwater from flowing into the reactor building as we prepare to remove rubble from the operating floor.
- On June 16, when a 1,250 ton crawler crane (hereinafter “the crane”) was being used to install the steel frame blocks of the large cover (box ring) on the east side of the Unit 1 reactor building, it suddenly became impossible to lower the main hook of the crane.
- The box ring that was being hoisted was lowered into place (on top of the east side of the Unit 1 reactor building upper framework) and has been secured in place with bolts. In their current positions, the box ring and upper framework are serving as anchor weights thereby keeping the crane in a stable position.
- An investigation has found that there is a foreign object in the crane's hydraulic system and it made the crane impossible to lower its main hook because the presence of the foreign object meant that the necessary hydraulic pressure could not be secured.
- Thereafter, the crane’s hydraulic oil and hydraulic control units were flushed and replaced, and it was confirmed that there were no problems with the crane's hoisting and lowering operations.
- Going forward, as soon as preparations have been completed, the box ring will be released from the crane and the spreader frame will be lowered to the ground.



Live camera footage on our website (June 19, 2:25pm)

### Timeline on June 16

Time	Task
5:30am	Task begins
7:10am	Box ring hoisted away from a super carrier
8:20am	Inability to lower main hook
8:40am	Box ring brought to rest on top of upper framework
9:30am	Bolts inserted and tightened
11:10am	Task completed

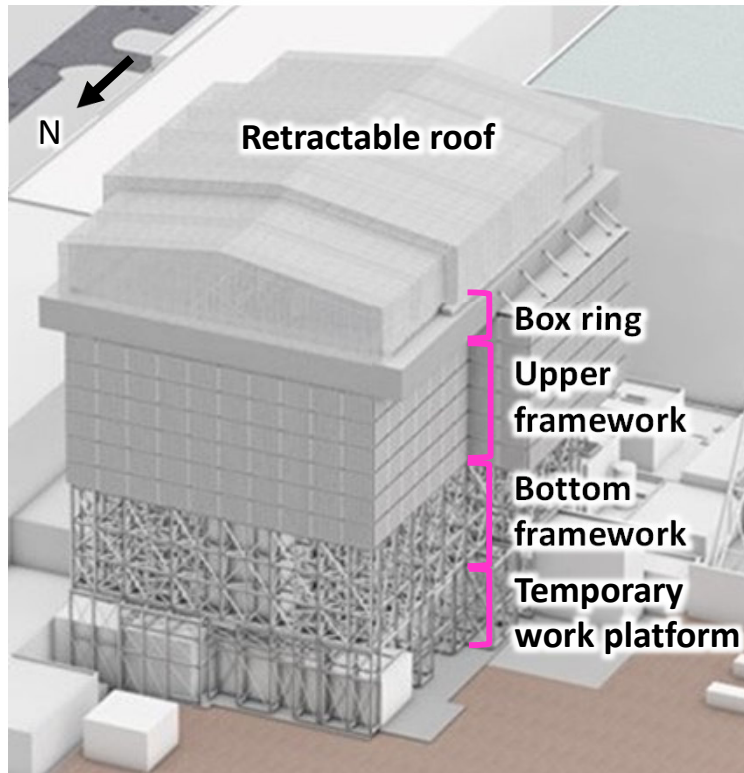
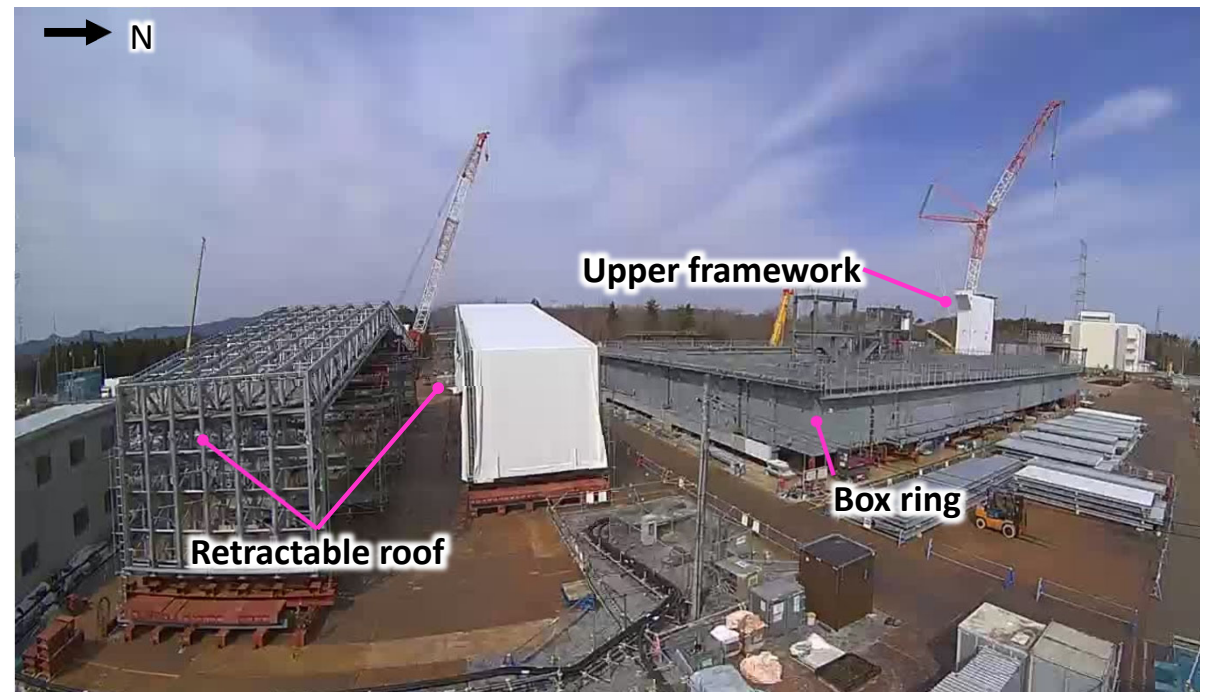


Diagram of the entire large cover



Off-site yard (photographed on March 24, 2025)