

ABSTRACT

A temporary frame system includes four masts arranged at outside of a building to be constructed, a climbing mechanism mounted on each mast for up and down movement, a canopy frame fixed at four corners by respective climbing mechanism and horizontally covering entire surface of the building, a plurality of overhead traveling cranes arranged on the lower surface of the canopy frame, and a jib crane movable along a guide rail provided along a longitudinal direction on a center of an upper surface of the canopy frame.

The overhead traveling crane includes a main rail positioned at a center portion on a lower surface of the canopy frame and a subsidiary rails arranged at both sides of the main rail in parallel thereto. A transporting girder is movably supported on the main rail and building-up girders are movably supported on the subsidiary rails. In the overhead traveling crane, a plurality of hoists are provided. The transporting girder is a dual type arranged along extension direction and has two, first and second girders.

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