

Design and Construction of Aircraft hangar of 101+88m span with Parallel Chord Trusses

Masatoshi HAYASHI*, Yoshihito TSUKADA^a, Takanori SUGANUMA^b

^a Azusa Sekkei Co., Ltd.
2-1-11, Higashi-Shinagawa, Shinagawa-ku, Tokyo, 140-0002, Japan
hayasi1236@azusasekkei.co.jp

^b Shimizu Corporation

Abstract

This paper describes design and construction of the aircraft hangar – Okinawa Aircraft Maintenance Facilities in Naha Airport, which has been just completed in November, 2018. Length, width and height of the hangar are 101+88m, 73m and 33m respectively. The long span frame which hangar for small aircraft (101 m) and hangar for large aircraft (88 m) are integrated consists of a parallel chord trusses.

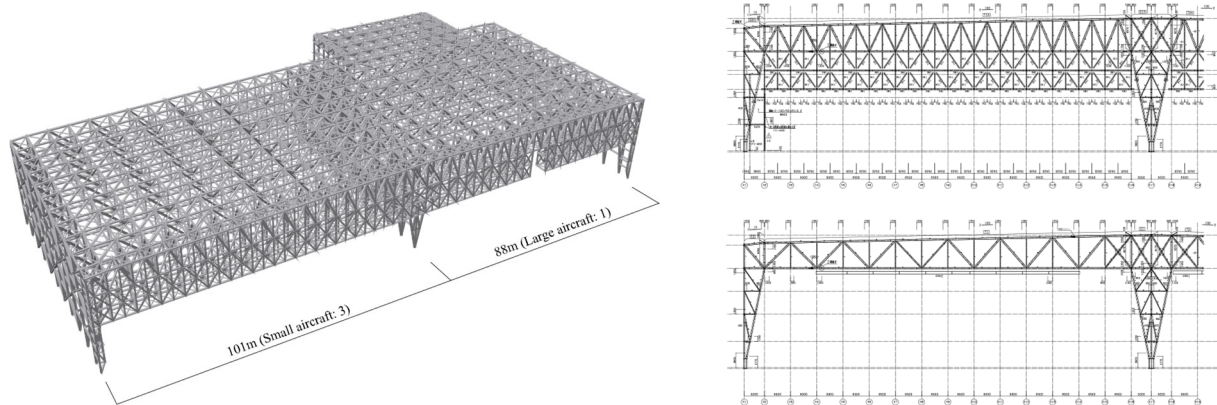


Fig.1 : Structural frame model

