

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number ST04109CH

This certificate issued to Kalitta Air, LLC
818 Willow Run Airport
Ypsilanti, MI 48198

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations. (See Type Certificate Data Sheet No. A20WE and Page 3 for complete certification basis)

Original Product -- Type Certificate Number : A20WE

Make : The Boeing Company

Model : 747-100 Series, 747-200B Series, 747-200F Series, 747-200C Series, 747SR Series, 747SP Series, 747-100B Series, 747-300 Series, 747-100B SUD Series, 747-400 Series, 747-400D Series, 747-400F Series, 747-8F Series, 747-8 Series

Description of Type Design Change:

Installation of Container Offset Restraint System on an existing unit load device pallet to restrain an International Organization for Standardization (ISO) 1CC Freight Shipping Container that is side loaded on the aircraft. This is in accordance with the data listed on Kalitta Air Master Document List No. 25501407, Revision OR, dated July 5, 2016, or later FAA approved revisions.

Limitations and Conditions:

- 1) The installer must determine whether this design change is compatible with previously approved modifications.
- 2) If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.
- 3) For each pallet, the installer must supply 18 cargo straps that are approved under Technical Standard Order (TSO) C172 and rated at a minimum of 5,000 lbs. each in accordance with the Kalitta Component Maintenance Manual 25-50-01, Revision IR, dated November 3, 2014, or latter FAA approved revisions.
- 4) The restraint is limited to the PAL-NET P/N 25g01-() code "G" pallets which are approved under TSO-C90C, or later TSO revisions.
- 5) This installation is limited to aircraft equipped with an FAA approved main deck cargo compartment with side loading cargo door.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application : February 24, 2015

Date reissued :

Date of issuance : July 5, 2016

Date amended :



By direction of the Administrator

Original Signed By:
Karol Mordasiewicz

(Signature)

Karol Mordasiewicz
Manager, Airframe & Administrative Branch
Chicago Aircraft Certification Office

(Title)

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Date of Issuance: July 5, 2016

Certification Basis (continued):

The certification basis for the changed the 747 Series aircraft as described in this certificate is as follows:

- a. The type certification basis for the 747 Series aircraft is shown on TCDS A20WE for parts not changed or not affected by this change.
- b. The certification basis for the parts changed or affected by this change since the reference date of application, February 24, 2015, is shown on TCDS A20WE. In addition, the applicant has complied with 14 CFR Part 26 as amended by Amendment 26-1.

Regulations at the latest Amendment 26-0 through 26-1
26.11(a), (d)(5); 26.47 (This modification does not affect or create fatigue critical structure)