UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number T2CR294J

This certificate is issued to THORNTON AIRCRAFT COMPANY, LLC **DBA THORNTON AIRCRAFT COMPANY & THORNTON AVIATION**

whose business address is

7520 HAYVENHURST AVENUE VAN NUYS, CALIFORNIA 91406

upon finding that its organization complies in all respects with the requirements of the Federal Aviation Regulations relating to the establishment of an Air Agency, and is empowered to operate an approved REPAIR STATION

with the following ratings:

AIRFRAME LIMITED AIRFRAME LIMITED POWERPLANT LIMITED ACCESSORIES **LIMITED RADIO (10/07/2015)** LIMITED INSTRUMENT (10/07/2015)

This certificate, unless canceled, suspended, or revoked, shall continue in effect INDEFINITELY.

By direction of the Administrator

ARVIE G MCGINNIS Digitally signed by ARVIE G MCGINNIS Date: 2021.12.14 09:34:31 -07:00'

July 9, 1996

Date issued:

ARVIE G. MCGINNIS, MANAGER AFG-VNY-FSDO-01

This Certificate is not Transferable, and any major change in the basic facilities, or in the location thereof, shall be immediately reported to the appropriate regional office of the federal aviation administration

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both

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	DATE	DATE	NUMBER
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Part D-1 Print Date: 11/7/2018

Operations Specifications

A001 . Issuance and Applicability

HQ Control: 02/11/2016

HQ Revision:

05e

a. These operations specifications are issued to Thornton Aircraft Company, LLC, a Repair Station located in the United States, pursuant to 14 CFR Part 145, § 145.53. The repair station certificate holder shall conduct operations in accordance with 14 CFR Part 145 and these operations specifications.

The certificate holder's address:

Fixed Location: 7520 Hayvenhurst Avenue Van Nuys, California 91406 Mailing Address: 7520 Hayvenhurst Avenue Van Nuys, California 91406

- b. The holder of these operations specifications is the holder of certificate number T2CR294J and shall hereafter be referred to as the "certificate holder".
- c. These operations specifications are issued as part of this repair station certificate and are in effect as of the date approval is effective. This certificate and these operations specifications shall remain in effect until the certificate for a repair station that is located in the United States is surrendered, suspended, or revoked.
- d. U.S./EU Aviation Safety Agreement Repair Station/Maintenance Organization Approvals not authorized.
- e. The certificate holder is authorized to conduct the operations described in subparagraph a under the following other business names:

Thornton Aircraft Company
Thornton Aviation
Delegated authorities: None

Operations Specifications

1. Issued by the Federal Aviation Administration.

2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Adrian Rivera, Principal Maintenance Inspector (WP01) [1] EFFECTIVE DATE: 10/21/2021, [2] AMENDMENT #: 13 DATE: 2021.11.02 08:41:26 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Timothy J. Johnston, Director of Maintenance

Date

Operations Specifications

A002 . Definitions and Abbreviations

HQ Control: 12/14/2017

HQ Revision:

05d

Unless otherwise defined in these operations specifications, all words, phrases, definitions, and abbreviations have identical meanings to those used in 14 CFR and 49 U.S.C., as cited in Public Law 103-272, as amended. Additionally, the definitions listed below are applicable to operations conducted in accordance with these operations specifications.

BASA

The Bilateral Aviation Safety Agreement (BASA) is an executive agreement concluded between the United States and a foreign country for the purpose of promoting aviation safety; also known as an Agreement for the Promotion of Aviation Safety.

Certificate Holder

In these operations specifications, the term "certificate holder" means the holder of the repair station certificate described in these operations specifications in Part A paragraph A001 and any of its officers, employees, or agents used in the conduct of operations under this certificate.

CAAS

Civil Aviation Authority of Singapore

CFR

Code of Federal Regulations

Class Rating

As used with respect to the certification, ratings, privileges of airframes, powerplants, propellers, radios, instruments, and accessories within a category having similar operating characteristics.

EASA

European Aviation Safety Agency

EASA Accountable

Manager

The manager who has corporate authority for ensuring that all maintenance required by the customer can be financed and carried out to the standard required by the EASA full-member Authority.

EU

European Union

Exemption

An authorization that permits an alternate means of compliance with a specific CFR. The exemption must meet the procedural requirements of 14 CFR Part 11.

FOCA

Federal Office of Civil Aviation

FAA Accountable

Manager

A person designated by the certificated repair station who is responsible for and has authority over all repair station operations that are conducted under 14 CFR Part 145, including ensuring that the repair station's personnel follow the regulations and serving as the primary contact with the FAA.

Geographic Authorization

Authorization provided to a repair station located outside the United States to perform maintenance support under contract for a U.S. air carrier (or an operator of U.S.- registered aircraft under 14 CFR Part 129) at a location other than the repair station's main facility. A geographic authorization is issued by the FAA to respond to a U.S. air carrier's or Part 129 foreign operator's need for maintenance at a station where the frequency and scope of that maintenance does not warrant permanently staffing and equipping the station for its accomplishment.

Limited Rating

A rating issued to repair stations for the performance of maintenance on particular makes and models of airframes, powerplants, propellers, radios, instruments, accessories, and/or parts.

Limited Ratings -Specialized Services

Rating issued for a special maintenance function when the function is performed in accordance with a specification approved by the Administrator.

Line Maintenance

Any unscheduled maintenance resulting from unforeseen events, or scheduled checks where certain servicing and/or inspections do not require specialized training, equipment, or facilities.

MAG

The Maintenance Annex Guidance (MAG) defines the process that the FAA and EASA undertake in the inspection, findings of compliance certification, and monitoring of repair stations, as well as their joint cooperation in quality assurance and standardization activities in support of the EASA Agreement, Annex 2, Maintenance. The term Maintenance Agreement Guidance (MAG) defines the processes and activities applicable to a specific country under an MIP, and is not associated with the EASA Agreement.

Maintenance

The inspection, overhaul, repair, preservation, and replacement of parts, but excludes preventive maintenance.

U.S./EU Aviation Safety Agreement, Annex 2, Maintenance

Annex 2 covers the reciprocal acceptance of findings of compliance, approvals, documentation and technical assistance regarding approvals and the monitoring of repair stations/maintenance organizations.

MIP

Maintenance Implementation Procedures (MIP) are procedures for implementing the provisions of a BASA that apply to maintenance performed under 14 CFR Part 145, Section 145.53(b).

MOE

A maintenance organization exposition (MOE) pertains to procedural manuals used by maintenance organizations certificated by a foreign country. The MOE along with the FAA Supplement, sets forth the structure and procedures of the repair station to meet the requirements of 14 CFR Part 145 under a MIP.

Operations Specifications

Preventive Maintenance As defined in 14 CFR part 1 and part 43 appendix A,

subparagraph (c).

QCM

Quality Control Manual

Repair Station located in the United States

A FAA certificated repair station located in the United States.

Repair Station located

outside the United States A FAA certificated repair station located outside of the United States.

RSM

Repair Station Manual

1. Issued by the Federal Aviation Administration.

2. These Operations Specifications are approved by direction of the Administrator.

Digitally signed by Rafael V. Munguia, Principal Maintenance Inspector (WP01) [1] SUPPORT INFO: Name change Thornton Corporation to Thornton Aircraft Company LLC

[2] EFFÉCTIVE DATE: 11/7/2018, [3] AMENDMENT #: 10

DATE: 2018.11.07 11:58:38 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

McGregor, Robert B., General Manager

Date

Operations Specifications

A003 . Ratings and Limitations

HQ Control: 04/03/2017

HQ Revision:

01a

The certificate holder is authorized the following Ratings and/or Limitations:

Class Ratings

Airframe Class 3: All-Metal Construction of Small Aircraft

Limited Ratings

Rating	Manufacturer	Make/Model	Limitations
Airframe	Cessna Aircraft Company	Models: 525B, 550, 560, 560XL, 650, 680, 680A, and 750 Series	None
	Dassault-Aviation	Model: Mystere-Falcon 50 & 200	None
	Dassault-Aviation	Models: Falcon 7X, 900, 900EX, 2000, 2000EX	None
	Bombardier	Models: BD-700-1A10, BD-700-1A11, CL-600-2A12, CL-600-2B16, BD-100-1A10	None
	Gulfstream	Models: G-1159, G-1159A, G-1159B, G280, G-IV, G-IV- X, GV, GV-SP, GVI, G150, 200, Galaxy	None
	Israel Aircraft Industries, Ltd.	Models: 1124 & 1124A	None
	Learjet, Inc.	Models: 31, 31A, 35, 35A, 36, 36A, & Learjet 45	None
	Lockheed Martin Corporation	Models: 1329-25 Series	None

Rating	Manufacturer	Make/Model	Limitations
	Raytheon Aircraft Company	Models: 300, 300LW, B300, B300C, & 400A	None
	Raytheon Aircraft Company	Models: HS.125 Series 700A & 700B	None
	Raytheon Aircraft Company	Models: BAe.125 Series 800A, 800B, 1000A, 1000B and Hawker 800, 800XP, 850XP, 900XP, 1000	None
	Saberliner Corporation	Models: NA-265 Series	None
	All Manufacturers	All Makes and Models	Limited to sheet metal work in association with radio/avionics equipment and antenna installations.
Airframe (Experimental Aircraft)			EXPERIMENTAL AIRCRAFT: The maintenance, overhaul, repair, or alteration of Experimental Aircraft, will be performed in accordance with the appropriate U.S. Department of Defense Technical Data, such as Technical Orders, Time Compliance Technical Orders, and/or any other applicable technical data required under an FAA Approved maintenance/inspection program. The procedures for accomplishing this program are contained in Section 4 of the Thornton Aircraft Company's Inspection Procedures Manual.
PowerPlant			
	CFE Company	Model: CFE 738-1-1B	Excluding overhaul, disassembly of Turbine engine modules and hot section
	Garrett Turbine Company	Model: ATF3-6A-4C	Excluding overhaul, disassembly of Turbine engine modules and hot section
	General Electric Company	Model: CF700-D-2, CF34-3A Series, CF34-1A, CF34-3B, CJ610 Series	Excluding overhaul, disassembly of Turbine engine modules and hot section
	Honeywell International, Inc. (Allied Signal)	Model: TFE731-40, TFE731- 60, TFE731-20AR, TFE731- 20R, & TFE731-20BR-1B	Excluding overhaul, disassembly of Turbine engine modules and hot section

Rating	Manufacturer	Make/Model	Limitations
	Honeywell International, Inc. (Allied Signal, Garrett)	Models: TFE731-2-2B, TFE731-2-3B, TFE731-3, TFE731-3-1C, TFE731-3-1F, TFE731-3-1G, TFE731-3B- 100S, TFE731-3BR-100S, TFE731-3C-100S, TFE731- 3CR-100S, TFE731-3R, TFE731-3R-1D, TFE731-4R- 2S, TFE731-5BR, TFE731- 5AR & TFE731-5R, AS907- 1-1A, AS907-2-1A, and AS907-2-1G.	Excluding overhaul, disassembly of Turbine engine modules and hot section
	Pratt & Whitney of Canada, Ltd.	Model: PT6A-38, PT6A-41, PT6A-42, PT6A-42A, PT6A-60, PT6A-60A, PT6A-60AG, & PT6A-61	Excluding overhaul, disassembly of Turbine engine modules and hot section
	Pratt & Whitney of Canada, Ltd.	Model: PW305 Series, PW306A, PW 306C, PW306D, PW306D1 PW307A, PW307D, PW308C, PW535A, PW545A	Excluding overhaul, disassembly of Turbine engine modules and hot section
	Pratt & Whitney Division, United Technologies Corporation	Models: JT12A-6A & JT12A-8, JT15D-4, JT15D- 5A	Excluding overhaul, disassembly of Turbine engine modules and hot section
	Rolls Royce	Models: AE 3007C & AE 3007C1	Excluding overhaul, disassembly of Turbine engine modules and hot section
	Rolls Royce	Models: Spey RB (163) 511-8 & Spey RB (163-25) 511-8	Excluding overhaul, disassembly of Turbine engine modules and hot section
	Rolls Royce	Model: Tay Mark 611-8 Series, BR700-710A1-10, BR700-710A2-20, BR700- 725A1-12, BR700-710C4-11	Excluding overhaul, disassembly of Turbine engine modules and hot section
	Williams International	FJ44-3A,FJ44-3AP	Excluding overhaul, disassembly of Turbine engine modules and hot section
PowerPlant (Experimental Aircraft)	All	All Models	Limited to inspection (including Hot Section Inspections), repair, adjustments, & removal and installation of accessories and components. EXCLUDING: overhaul, and disassembly of turbine-engine modules.

Operations Specifications

Rating	Manufacturer	Make/Model	Limitations
Accessories	Honeywell	GTCP 36-6 Series GTCP 36-100 Series GTCP 36-150 Series RE-220	Excluding overhaul, disassembly of Turbine engine modules and hot section
	Hamilton Sunstrand	T-62T-39 Series T-62T-40 Series	Excluding overhaul, disassembly of Turbine engine modules and hot section
Radio	See Airframe Rating	See Airframe Rating	Limited to radio installed on airframe authorized under the airframe rating. Test and inspect for compliance with title 14 CFR 91.413. Limited to removal, replacement, test and inspection of transponders (ATCRBS and mode S), in accordance with Appendices E and F of title 14 Code of Federal Regulations (14 CFR) part 43.
Instruments	See Airframe Rating	See Airframe Rating	Limited to instruments installed on airframe authorized under the airframe rating. Test and inspect for compliance with title 14 CFR 91.411. Limited to removal, replacement, test and inspection of Altimeters, and Air Data Systems, in accordance with Appendix E of title 14 Code of Federal Regulations (14 CFR) part 43.

Limited Ratings - Specialized Services

Rating

Specifications

Limitations

Certificate No.: T2CR294J

None Authorized.

Operations Specifications

1. Issued by the Federal Aviation Administration.

2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Adrian Rivera, Principal Maintenance Inspector (WP01) [1] EFFECTIVE DATE: 1/14/2022, [2] AMENDMENT #: 26 DATE: 2022.01.14 12:24:42 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Timothy J. Johnston, Director of Maintenance

Date

1-17-2022

Operations Specifications

A004 . Summary of Special Authorizations and Limitations

HQ Control: 09/23/1998

HQ Revision:

010

Certificate No.: T2CR294J

a. The certificate holder, in accordance with the reference paragraphs, is authorized to:

		Paragraphs
Perform work, including co at its primary fixed location	ntinuous operations, at additional locations other than a.	A101
under 14 CFR part 120	anctions requiring a drug and alcohol testing program	A449
Perform work, excluding co at its primary Fixed Location	ontinuous operations, at additional locations other than on.	D100

b. The certificate holder is not authorized and shall not:

Use Exemptions.	Reference Paragraphs A005
Use an acceptable electronic recordkeeping system, electronic/digital signature, and/or electronic media.	A025
Perform maintenance with ratings for repair stations located outside the United States under a Bilateral Aviation Safety Agreement with Maintenance Provisions.	A060
Perform maintenance in accordance with foreign repair station geographic authorizations.	B050
Perform line maintenance for cert. holders conducting operations under Parts 121 and 135 and for foreign carriers/persons operating non-U.Sregistered aircraft in common carriage under Part 129, apart from D100 which authorizes that work away from station.	D107

Operations Specifications

1. Issued by the Federal Aviation Administration.

2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Marcos G. Rico on behalf of Adrian Rivera, Principal Maintenance Inspector (WP01)
[1] SUPPORT INFO: Additional Fixed Location
[2] EFFECTIVE DATE: 5/17/2022, [3] AMENDMENT #: 4
DATE: 2022.05.17 11:07:53 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Timothy J. Johnston, Director of Maintenance

Date

5-17-2022

A007 . Designated Persons

HQ Control: 09/08/2021

HQ Revision:

03a

a. The personnel listed in the following table are designated to officially apply for and receive operations specifications for the certificate holder indicated below.

Table 1 – Designated Persons to Apply for and Receive Authorizations

Title	Name	Parts Authorized	Email Address
FAA Accountable Manager, 145 / General Manager	Johnston, Timothy J	A,D	
Director of Maintenance	Jimenez, Hector E.	A,D	

b. The following personnel listed in Table 2 are designated by the certificate holder to receive Information for Operators (InFO) messages for the certificate holder as indicated below. A receipt for the information by an operator or person is not required.

Table 2 - Designated to Receive InFO Messages

Name	Email Address	Telephone No.	Type of Information to Receive
Jimenez, Hector E.	hector@thorntonaircraft.com	(818) 787-0205	ALL

- 1. Issued by the Federal Aviation Administration.
- These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Adrian Rivera, Principal Maintenance Inspector (WP01) [1] EFFECTIVE DATE: 11/1/2022, [2] AMENDMENT #: 8 DATE: 2022.11.08 09:58:48 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Timothy J Johnston, General Manager

Date

11-9-2022

A101 . Additional Fixed Locations

HQ Control: 12/11/2020

Certificate No.: T2CR294J

HQ Revision:

01b

a. The certificate holder is authorized to perform work at the following additional fixed location(s) listed in Table 1 below, provided it has the facilities, materials, equipment, and technical personnel to perform the work authorized.

Table 1

Additional Location Address(es)				
Address City State		State Country Pos		
2930 N. Clybourn Avenue	Burbank	California	UNITED STATES	91505

- b. This authorizes the certificate holder to use multiple locations to perform its operations under a single certificate.
- c. With the exception of the provisions of subparagraph g below, this authorization does not constitute work performed at additional location(s) outside the domiciled country.
- d. The certificate holder may perform continuous operations at the facilities listed in Table 1 above.
- All the authorizations and exemptions authorized for the certificate holder apply at these locations, as applicable.
- f. Repair stations located outside the United States covered by the U.S./European Union (EU) Safety Agreement must be under the surveillance of an aviation authority (AA), hold a European Aviation Safety Agency (EASA) line station approval, and must be located within the EU Member States.
- g. Repair stations with their principal place of business located within the United Kingdom of Great Britain and Northern Ireland (UK) operating under the Maintenance Implementation Procedures (MIP) are authorized additional fixed locations outside of the UK. The repair station must hold a UK Civil Aviation Authority (CAA) approval, be under direct surveillance by the UK CAA for that location, and must not be located within the United States.

Operations Specifications

1. Issued by the Federal Aviation Administration.

2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Marcos G. Rico on behalf of Adrian Rivera, Principal Maintenance Inspector (WP01)
[1] SUPPORT INFO: Additional Fixed Location
[2] EFFECTIVE DATE: 5/17/2022, [3] AMENDMENT #: 0
DATE: 2022.05.17 11:09:58 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Timothy J. Johnston, Director of Maintenance

Date

A449 . Antidrug and Alcohol Misuse Prevention Program

HQ Control: 07/17/2009 HQ Revision: 00a

a. The Part 145 repair station certificate holder has elected to implement an Antidrug and Alcohol Misuse Prevention Program, because the certificate holder performs safety-sensitive functions for a 14 CFR Part 121, and 135 certificate holder and/or for a 14 CFR Part 91 operator conducting operations under Section 91.147.

- b. The certificate holder certifies that it will comply with the requirements of 14 CFR Part 120 and 49 CFR Part 40 for its Antidrug and Alcohol Misuse Prevention Program.
- c. Antidrug and Alcohol Misuse Prevention Program records are maintained and available for inspection by the FAA's Drug Abatement Compliance and Enforcement Inspectors at the location listed in Table 1 below:

Table 1

	Location & Telephone of Antidrug and Alcohol Misuse Prevention Program Records:
Telephone Number:	A1 (818) 787 0205
Address:	7520 Hayvenhurst Avenue
Address:	N/A
City:	Van Nuys
State:	CA
Zip code:	91406

d. Limitations and Provisions.

- (1) Antidrug and Alcohol Misuse Prevention Program inspections and enforcement activity will be conducted by the Drug Abatement Division. Questions regarding these programs should be directed to the Drug Abatement Division.
- (2) The certificate holder is responsible for updating this operations specification when any of the following changes occur:
 - (a) Location or phone number where the Antidrug and Alcohol Misuse Prevention Program Records are kept.
 - (b) If the certificate holder's number of safety-sensitive employees goes to 50 and above, or falls below 50 safety-sensitive employees.
- (3) The certificate holder with 50 or more employees performing a safety-sensitive function on January 1 of the calendar year must submit an annual report to the Drug Abatement Division of the FAA.
- (4) The certificate holder with fewer than 50 employees performing a safety-sensitive function on January 1 of any calendar year must submit an annual report upon request of the Administrator, as specified in the regulations.

The certificate holder has fewer than 50 safety-sensitive employees.

Operations Specifications

1. Issued by the Federal Aviation Administration.

2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Rafael V. Munguia, Principal Maintenance Inspector (WP01) [1] SUPPORT INFO: Name change Thornton Corporation to Thornton Aircraft Company LLC [2] EFFECTIVE DATE: 11/7/2018, [3] AMENDMENT #: 5 DATE: 2018.11.07 12:02:18 -06:00

3. I her	eby accept and	receive the	Operations S	Specifications	in this	paragraph.
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McGregor, Robert B., General Manager

Date

D100 . Work to be Performed at a Place Other Than the Repair HQ Control: 11/16/2004 Station Fixed Location(s) HQ Revision: 050

a. The certificate holder may perform work at a place other than its Fixed Location (as listed in paragraph A001, and paragraph A101 if issued, of these operations specifications) provided it has the facilities, material, equipment and technical personnel to perform the work authorized in the following table.

Table 1

Work Authorized	Repair Stations Manual References	Quality Control Manual References
	Repair Station Manual (Including Quality Control System) Section 1, Page 1-6	Repair Station Manual (Including Quality Control System) Section 1, Page 1-6

- b. The certificate holder <u>may not</u> perform <u>continuous</u> operation at a facility other than the station's Fixed Location listed in paragraph A001, and paragraph A101 if issued.
- c. <u>Line Stations</u>. Privileges of a line station, as set forth by the EASA certificate and scope of work and located within the country where the main facility is domiciled are listed in Table 1 are authorized.
- d. Work may be due to a special circumstance or on a recurring basis. If on a recurring basis, the repair station must have procedures in its manual.
- 1. Issued by the Federal Aviation Administration.
- 2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Rafael V. Munguia, Principal Maintenance Inspector (WP01) [1] SUPPORT INFO: Name change Thornton Corporation to Thornton Aircraft

[2] EFFÉCTIVE DATE: 11/7/2018, [3] AMENDMENT #: 5

DATE: 2018.11.07 12:03:01 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

McGregor, Robert B., General Manager

Date