

Matrix AVIATION

AFFLUENCEAIRCRAFTS.COM



Aircraft Proposal: Embraer ERJ 135 ER
Serial Number: 145361, 145499
Date: August 2018



The Company

MATRIX AVIATION INC., Is a company founded in 2004, dedicated to the sales of new or used aircrafts, spare parts, training, consulting, management and maintenance services in the aeronautical area, always adapting to the Customers' needs and offering them options and solutions. Aimed mainly at supplying market demand in Latin American.

OUR MISSION

Provide exceptional aviation services through the best companies that we represent to ensure safety and efficiency, while maintaining a commitment to the growth and development of our team.

OUR VISION

To position ourselves in the aviation market as a company of sales and services recognized for our high quality, personalized and efficient management of pre and post sales services.

OUR GUIDING PRINCIPALS

We serve our customers in remarkable ways.
We pursue excellence and continuously improve.





Our Services

AIRCRAFT MANAGEMENT

MATRIX AVIATION INC., takes care of the fuel service, insurance, pilots and control the scheduled and non scheduled maintenance services to be performed of the Customers aircraft.

AIRCRAFT PURCHASE AND SALES

MATRIX AVIATION INC., give the Customers the option to receive their aircraft as part of the down payment and the possibility of financing the new aircraft up to 72 months. Also, we sell spare parts with door to door system Delivery (DDP).

MAINTENANCE SERVICE

MATRIX AVIATION INC., provide all parts and subcontract specialized services to ensure compliance with the correct maintenance services and applicable regulations for the Customers aircrafts.

PILOT AND TECHNICIANS TRAINING

MATRIX AVIATION INC., provide the Customers with the training for the pilots and technicians directly with manufacturers or recognized aircraft training academies from around the world.

AVIATION CONSULTING

MATRIX AVIATION INC., give the Customers the option to locate an office with Technical-Administrative staff in the location of the client (on request) to provide technical advice and support onsite

AIRCRAFT LEASE

The Company provide the rental services of its own and manage the rental service of the customers' aircraft if he wishes to include them to provide this service.



Our Experience

PEMEX, MEXICO

- Sale of aircraft including training, equipment for ground operations and maintenance programs: GULFSTREAM AEROESPACIAL G-550 Year: 2010 Registration: N296GC, VIN: 5296.
- Sale of aircraft including training, equipment for ground operations and maintenance programs: CESSNA 680 CITATION SOVEREIGN, Year: 2009 Registration: N284RP, VIN: 680-0284.

CANADIAN COMMERCIAL CORPORATION - MINISTRY OF DEFENSE, ARGENTINA

- Sale of helicopter model Bell 412 EP REGISTER: N136PD SERIAL NUMBER: 36224 YEAR OF MANUFACTURE: 1999 Twin Pack MODEL: PT6-T3D.

CORPOELEC, VENEZUELA

- Servicing and supply of aeronautical parts necessary for the recovery of aircraft fleet of CORPOELEC and training to Pilots and Technicians for 30 people.
- Sale of aircraft Beechcraft King Air 350, including training, equipment for ground operations and maintenance programs.

CATANIA AVIATION CORPORATION, USA

- Sale of Aircrafts: DASSAULT FALCON 50EX Registration: N50NM,, Serial Number: 266.

MINISTRY OF DEFENSE, ARGENTINA

- Servicing and supply of aeronautical parts necessary for the avionic upgrade of a Bell 212.

AIRCRAFT EMBRAER ERJ 135 ER PROPOSSAL

Aircraft: EMBRAER ERJ 135ER, MSN: 145361 & 145499

Dear Sir,

MATRIX AVIATION INC., own the EMBRAER ERJ 135ER, MSN: 145361 & 145499, these aircraft are for sale or lease purchase, also we are in the possibility of put these aircraft available to work together on your project.

Each aircraft have a 37 PAX configuration but it can be modified in many ways according to your requirements (Medical Unit Configuration, VIP, Dual Class, etc).



Embraer ERJ-135, N829RN and N325JF



Embraer ERJ-135, N829RN and N325JF



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Embraer ERJ-135, N829RN and N325JF





NO SMOKING IN
LAVATORY
PROHIBIDO FUMAR
EN EL BANO

PUSH
TO OPEN

LAVATORY

VACANT



37 SEATS CONFIGURATION

Embraer ERJ-135, N829RN and N325JF

*Please be courteous of others
leave lavatories clean
THANK YOU*





N829RN SPECIFICATIONS

AIRFRAME

REGISTRATION:	N829RN
SERIAL:	145361
YEAR:	2000
TOTAL HOURS:	12,717.0
LANDINGS:	11,023

ENGINES

(ROLLS ROYCE AE3007 A1/3)

ENG 1 (SINCE NEW):	12.277,0 H/10,657C
ENG 2 (SINCE NEW):	12,459.0 H/10,746C

ENGINES ON ROLLS ROYCE
CORPORATE CARE

APU

(HAMILTON SUNDSTRAND T-62T-40C11)

ENG 1:	4,074.0 H/11,066C
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ENGINES

As of: 10/13/2015

By Position	NO.1	NO.2
Engine manufacturer	Rolls-Royce	Rolls-Royce
Type and model	Rolls-Royce AE 3007 A1/3	Rolls-Royce AE 3007 A1/3
Current overhaul facility	N/A	N/A
Serial number	CAE 311630	CAE 311629
Time since new (TSN)	12.277	12.459
Cycles since new (CSN)	10.657	10.746
Time since overhaul (TSO)		
Cycles since overhaul (CSO)		
Time since last shop visit (TSLV)	5 hours 30 minutes	5 hours 30 minutes
Cycles since last shop visit (CSLV)	10	10
Reason for last shop visit	c/w maintenance program	c/w maintenance program
First LLP replacement	20.000 cycles	20.000 cycles

APU

APU manufacturer	Hamilton sundstrand
Type and model	T-62T-40C11
Current overhaul facility	Hamilton sundstrand
Serial number	014511
Time since new (TSN)	4.074
Cycles since new (CSN)	11.066
Time since overhaul (TSO)	On condition
Cycles since overhaul (CSO)	On condition
Time since last shop visit (TSLV)	5 hours 30 minutes
Cycles since last shop visit (CSLV)	4155
Reason for last shop visit	Corrective maintenance
APU hours/flight hours	4074
Next time to replacement	n/a on condition
Time/cycles since last component refurbishment	n/a
Time/cycles since last since last hot section refurbishment	n/a
Brief description of work performed during last shop visit	Fuel valve replacement
Status of SBs and ADs	c/w 08/01/2015

LANDING GEAR

As of: 10/13/2015

By Position	NLG	LMLG	RMLG
Manufacturer	embraer	embraer	embraer
Part No.	2309-2900-401	2309-2002-517	2309-2002-518
Serial No.	1159	216	217
Last overhaul	2012	2012	2012
Next overhaul	2024	2024	2024

AVIONICS (HONEYWELL PRIMUS)

- FIVE TUBE 8" X 7" DISPLAYS (2 PRIMARY DISPLAYS – PDF, 2 MULTIFUNCTION DISPLAYS MFD AND 1 EICAS DISPLAY) WITH MULTI REVERSIONARY CAPABILITIES
- DUAL INTEGRATED COMPUTER ENCOMPASSING THE FUNCTIONS OF: DISPLAY DRIVING, DUAL FLIGHT DIRECTOR/ SINGLE AUTOPILOT AND EICAS
- DUAL RADIO MANAGEMENT UNITS
- 1ST AND 2ND VHF COMMUNICATIONS SYSTEM WITH 25 KHZ SPACING (INTEGRATED VHF/MODE S DIVERSITY AND VHF ONLY)
- SINGLE PASSENGER ADDRESS AND CABIN INTERPHONE SYSTEM
- AIRBORNE AUDIO SYSTEM
- SOLID STATE CVR
- SOLID STATE FDR WITH AFDAU (SFIM)
- SINGLE EMERGENCY LOCATOR TRANSMITTER
- SINGLE AURAL WARNING UNITED ALERTS DUAL DIGITAL CLOCK
- DUAL AIR DATA COMPUTERS
- STAND BY ATT.IAS AND ALT INSTRUMENTS INTEGRATED IN ONE UNIT (ISIS) AND STAND BY MAGNETIC COMPASS
- DUAL AHRS
- SINGLE RADIO ALTIMETER
- DUAL VHF NAVIGATION SYSTEM (INTEGRATED NAV/ADF/DME AND NAV ONLY)
- AFDAU
- SINGLE WEATHER RADAR WITH INDEPENDENT SELECTION
- SINGLE TCAS 2000
- SINGLE CENTRAL MAINTENANCE COMPUTER
- DUAL STALL PROTECTION SYSTEM
- DUAL MODE S TRANSPONDER

ADDITIONAL AVIONICS INSTALLED

CATII, 2ND RADIO ALTIMETER, 2ND INTEGRATED ADF/DME, 2ND INTEGRATED VHF/MODE S DIVERSITY TDR, DUAL FMS/GPS (HONEYWELL), EGPWS (WITH WIND SHEAR DETECTION)



N325JF SPECIFICATIONS

AIRFRAME

REGISTRATION:	N325JF
SERIAL:	145499
YEAR:	2001
TOTAL HOURS:	13,086.0
LANDINGS:	12,092

ENGINES

(ROLLS ROYCE AE3007 A1/3)

ENG 1 (SINCE NEW):	12,902.0 H/12,579C
ENG 2 (SINCE NEW):	11,894.0 H/11,637C

ENGINES ON ROLLS ROYCE
CORPORATE CARE

APU

(HAMILTON SUNDSTRAND T-62T-40C11)

ENG 1:	6,531.0 H/17,219C
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ENGINES

As of: 10/13/2015

By Position	NO.1	NO.2
Engine manufacturer	Rolls-Royce	Rolls Royce
Type and model	Rolls-Royce AE 3007 A1/3	Rolls-Royce AE 3007 A1/3
Current overhaul facility	N/A	N/A
Serial number	CAE 311966	CAE 311965
Time since new (TSN)	12902	12579
Cycles since new (CSN)	11894	11637
Time since overhaul (TSO)		
Cycles since overhaul (CSO)		
Time since last shop visit (TSLV)	5 hours 37 minutes	5 hours 37 minutes
Cycles since last shop visit (CSLV)	11	11
Reason for last shop visit	c/w maintenance program	c/w maintenance program
First LLP replacement	20.000 cycles	20.000 cycles

APU

APU manufacturer	Hamilton sundstrand
Type and model	T-62T-40C11
Current overhaul facility	Hamilton sundstrand
Serial number	SP E 0114029
Time since new (TSN)	6531
Cycles since new (CSN)	17219
Time since overhaul (TSO)	1739
Cycles since overhaul (CSO)	3963
Time since last shop visit (TSLV)	5 hours 37 minutes
Cycles since last shop visit (CSLV)	11
Reason for last shop visit	Due maintenance
APU hours/flight hours	6531
Next time to replacement	On condition
Time/cycles since last component refurbishment	1739
Time/cycles since last since last hot section refurbishment	1739
Brief description of work performed during last shop visit	Oil filter,oil change,leak check
Status of SBs and ADs	Updated to 05/01/15

LANDING GEAR

As of: 10/13/2015

By Position	NLG	MLG	RMLG
Manufacturer	embraer	embraer	embraer
Part No.	2309-2900-401	2309-2002-517	2309-2002-518
Serial No.	1657	275	276
Last overhaul	Year 2013	Year 2013	Year 2013
Next overhaul	Year 2013	Year 2025	Year 2025

AVIONICS (HONEYWELL PRIMUS)

- FIVE TUBE 8" X 7" DISPLAYS (2 PRIMARY DISPLAYS – PDF, 2 MULTIFUNCTION DISPLAYS MFD AND 1 EICAS DISPLAY) WITH MULTI REVERSIONARY CAPABILITIES
- DUAL INTEGRATED COMPUTER ENCOMPASSING THE FUNCTIONS OF: DISPLAY DRIVING, DUAL FLIGHT DIRECTOR/ SINGLE AUTOPILOT AND EICAS
- DUAL RADIO MANAGEMENT UNITS
- 1ST AND 2ND VHF COMMUNICATIONS SYSTEM WITH 25 KHZ SPACING (INTEGRATED VHF/MODE S DIVERSITY AND VHF ONLY)
- SINGLE PASSENGER ADDRESS AND CABIN INTERPHONE SYSTEM
- AIRBORNE AUDIO SYSTEM
- SOLID STATE CVR
- SOLID STATE FDR WITH AFDAU (SFIM)
- SINGLE EMERGENCY LOCATOR TRANSMITTER
- SINGLE AURAL WARNING UNITED ALERTS DUAL DIGITAL CLOCK
- DUAL AIR DATA COMPUTERS
- STAND BY ATT.IAS AND ALT INSTRUMENTS INTEGRATED IN ONE UNIT (ISIS) AND STAND BY MAGNETIC COMPASS
- DUAL AHRS
- SINGLE RADIO ALTIMETER
- DUAL VHF NAVIGATION SYSTEM (INTEGRATED NAV/ADF/DME AND NAV ONLY)
- AFDAU
- SINGLE WEATHER RADAR WITH INDEPENDENT SELECTION
- SINGLE TCAS 2000
- SINGLE CENTRAL MAINTENANCE COMPUTER
- DUAL STALL PROTECTION SYSTEM
- DUAL MODE S TRANSPONDER

ADDITIONAL AVIONICS INSTALLED

CATII, 2ND RADIO ALTIMETER, 2ND INTEGRATED ADF/DME, 2ND INTEGRATED VHF/MODE S DIVERSITY TDR, DUAL FMS/GPS (HONEYWELL), EGPWS (WITH WIND SHEAR DETECTION)



MEDICAL UNIT AIRLINE CONFIGURATION



ERJ 145/135 - Medical unit



The base unit is an aluminum honeycomb structure with empty weight of 22 lbs (10 kg) which should be the lightest system on the market.

The weight of the system delivered will be depending on equipment installed into the base unit. A system configured for basic life support (BLS) will have the weight of approximately 81 lbs (36,7 kg).

Dimensions standard (can be customized) are L=70 inches (177,8 cm), H=9,5 inches (24,2 cm), width top 16 inches (40,65 cm) and width bottom 15 inches (38,1 cm). The unit can also be equipped with drawers and other customized features.

Oxygen System

- 3.500, 7.500 or 10.000 liters capacity
- Remote fill port. Fill port mounted on the face or end of the base. The oxygen cylinder remains secured.
- Easy to read Oxygen Remaining gauge.
- Oxygen outlets to customer specification

Vacuum (Suction) Pump and Compressed Air pump

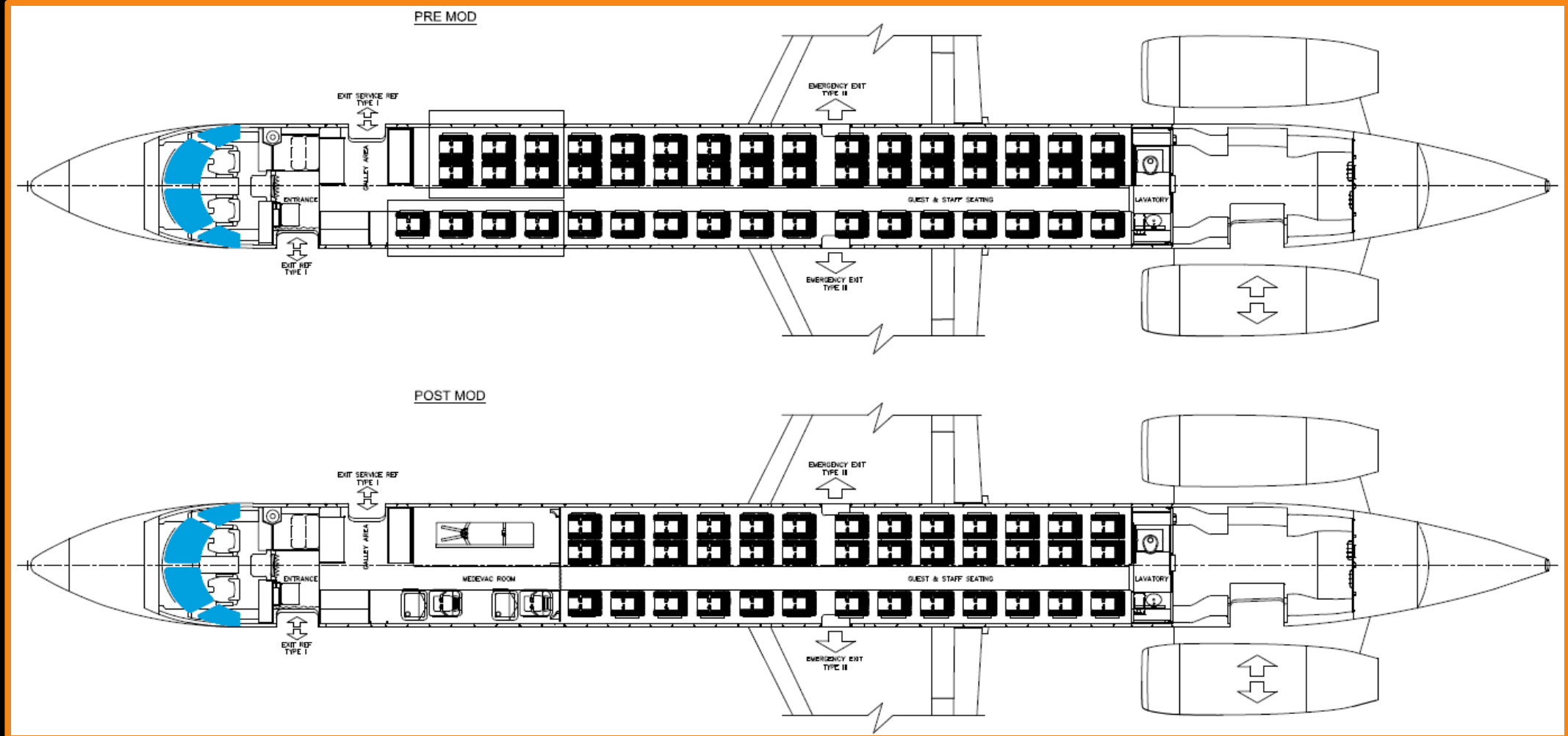
- Pumps are wired for 28 v aircraft power operation. Pumps are independent of inverter operation.
- Vacuum pump develops 20 inches (508 mm) Hg of suction at 3.3 amps
- Compressed air pump delivers 19.8 liters per minute at 3.3 amps
- On / Off switch
- Circuit breaker protected

Electrical Inverter

- 115 vac and 230 vac inverters
- 330 watts through 1500 wat
- Two or four electric outlets on the face or end cap of the base
- On / Off switch or Optional Digital Display
- Circuit breaker protected
- Wiring Kit carries electric power from the aircraft electrical system to the aircraft cabin for connection to the
- base inverter. The wiring kit has a relay, wiring, Canon plug and instructions

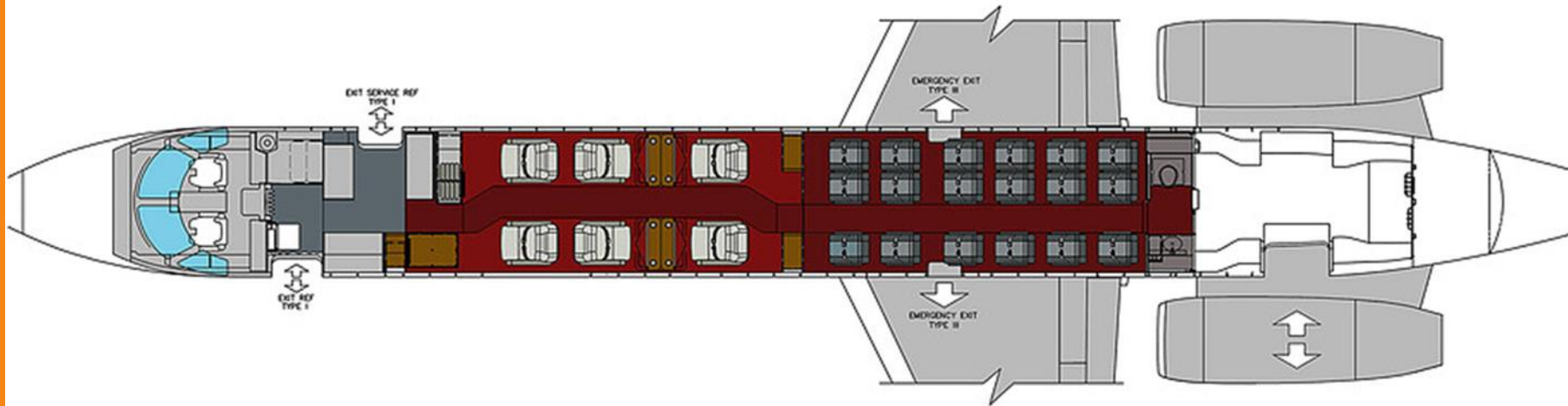


ERJ 145/135 - Medical unit Airline Configuration



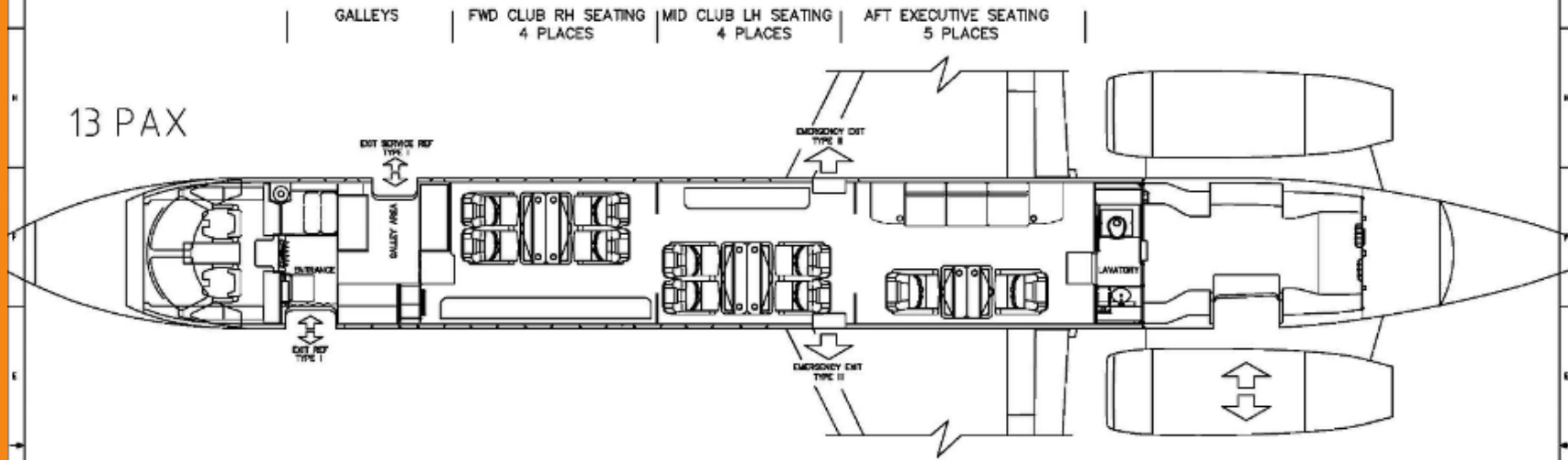
VIP/CORPORATE CONFIGURATIONS



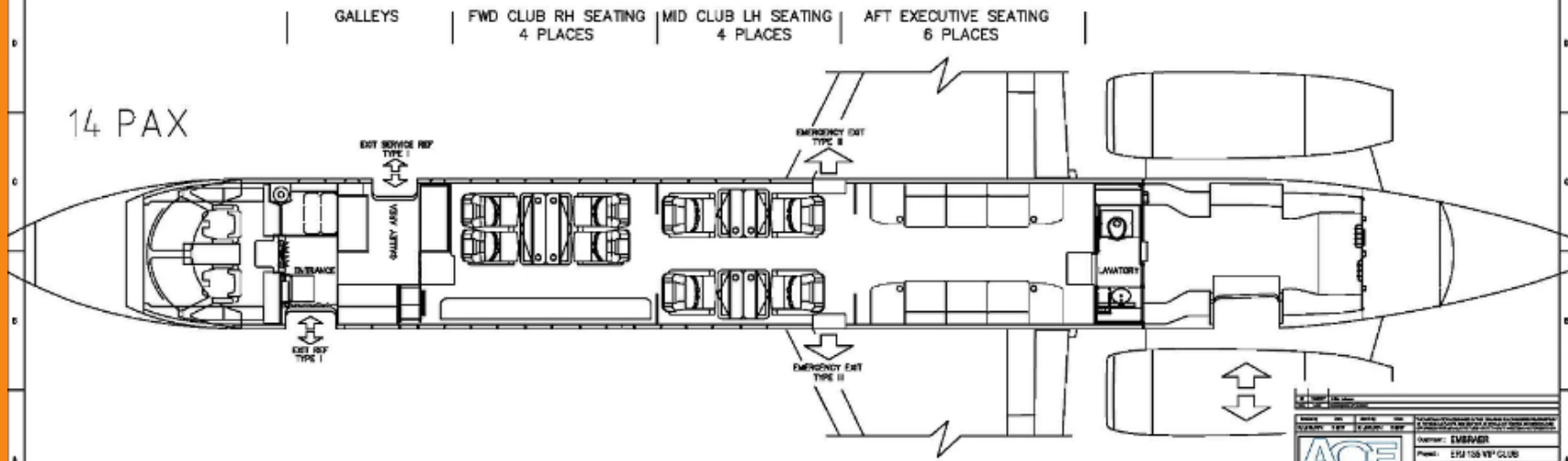


INTERIOR LAYOUT ARRANGEMENT ERJ 135

13 PAX

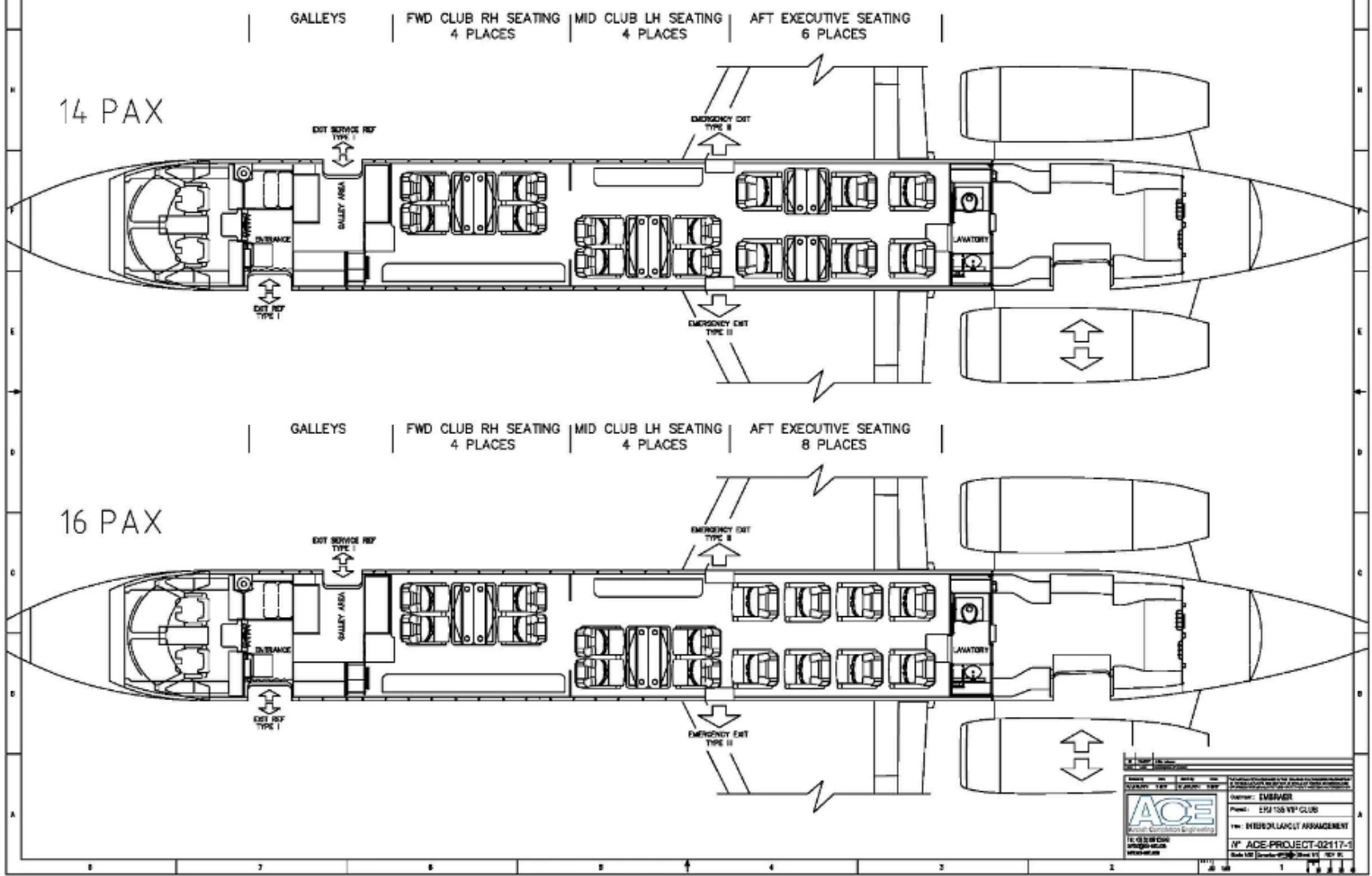


14 PAX



ACE Aircraft Configuration Engineering	Customer: EMBRAER Project: ERJ 135 V1 CLUB Title: INTERIOR LAYOUT ARRANGEMENT No: ACE-PROJECT-08117-5 Scale: 1:50 (Drawing: 07/08) Sheet: 1/1 REV: 01
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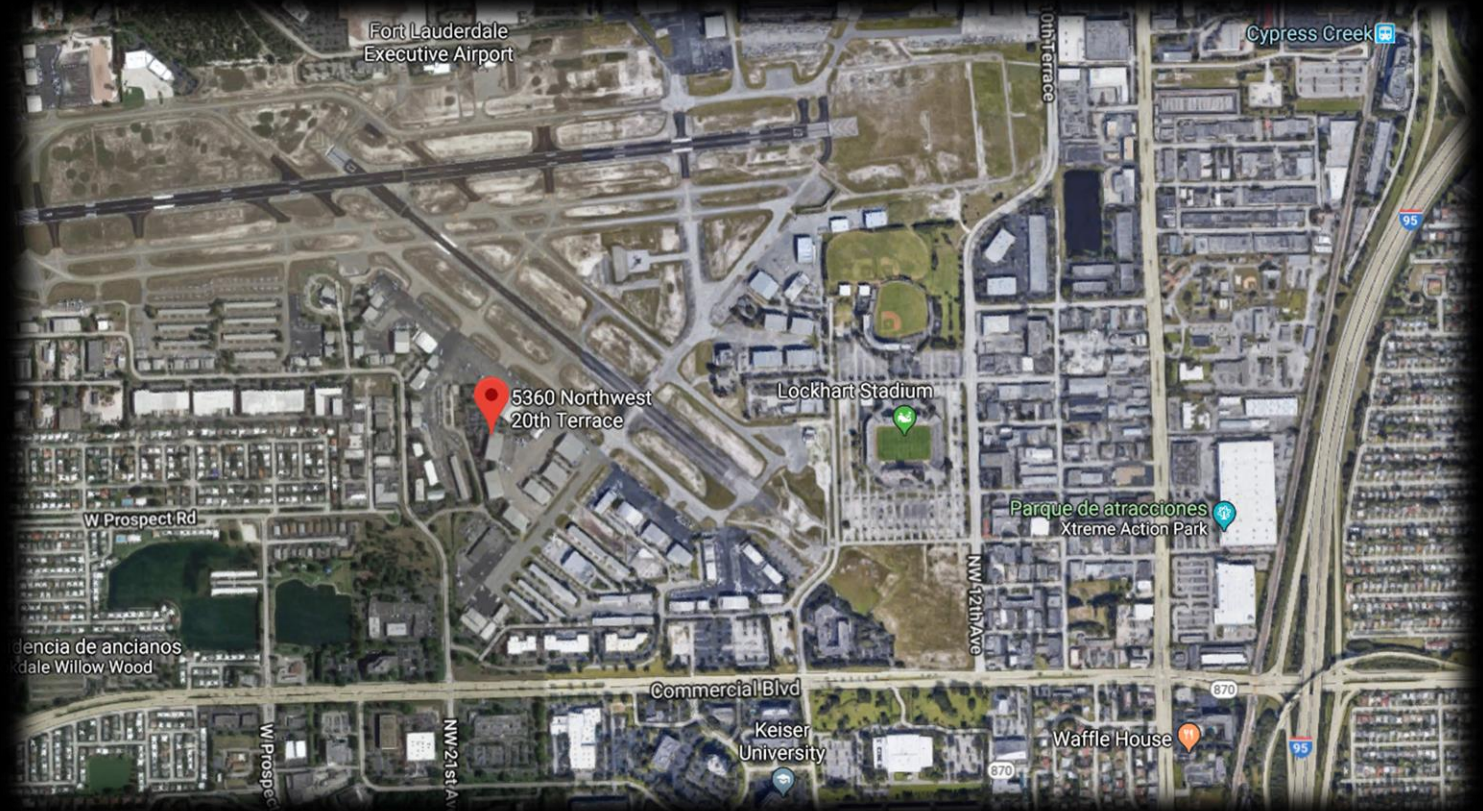
INTERIOR LAYOUT ARRANGEMENT ERJ 135



ACE Aircraft Configuration Engineering	Customer: EMBRAER Model: ERJ 135 VP CLUB Title: INTERIOR LAYOUT ARRANGEMENT N° ACE-PROJECT-02117-0 Scale: 1:50 (Drawing: 02117-01) Sheet 01 of 01
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Contact Us



5360 NW 20th Terrace Hangar Suites 207A
Fort Lauderdale Executive Airport
Fort Lauderdale FL 33309

Phone: +54 9 11 6725 1232
Email: info@affluenceaircrafts.com

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