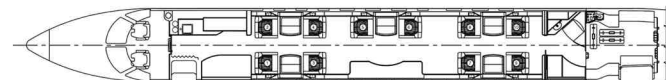


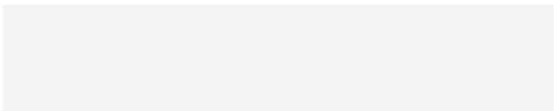
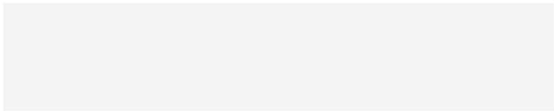
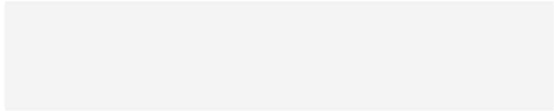
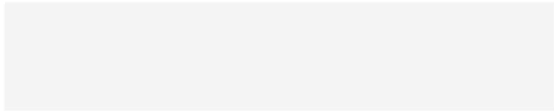
# EMBRAER LEGACY

BASE LINE DEFINITION

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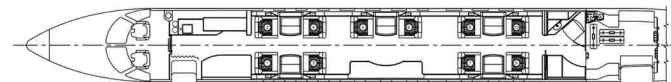


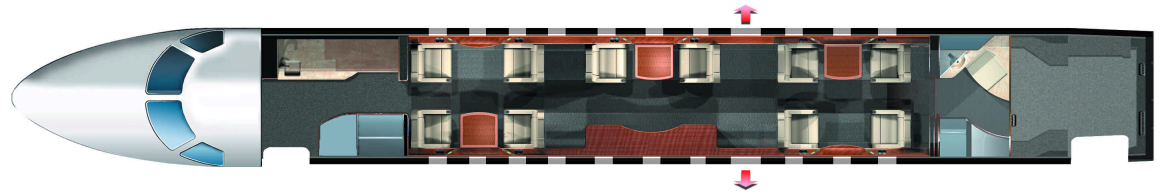
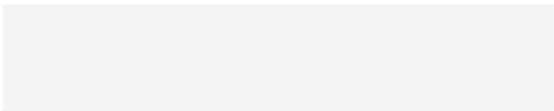
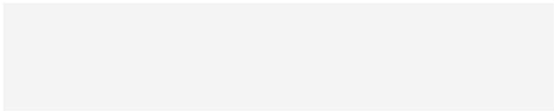
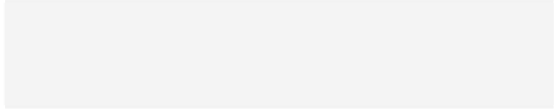
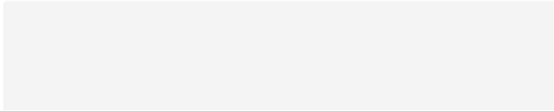


The purpose of this document is to provide a general description of the standard interior features of the Embraer Legacy. The information contained herein is based on the data available at the time of publication and is subject to change without notice. Embraer reserves the right to substitute materials and equipment in lieu of that described herein wherever such substitution is deemed necessary to prevent a delay in delivery or to improve the product.

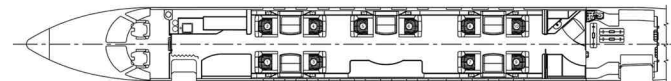
Embraer, in coordination with approved Designers, Engineering and Contracts Administration, will prepare detailed avionics, interior and exterior finishing specifications in accordance with the customer's requirements and available selections. Control drawings for the major furniture pieces, interior color board and exterior rendering will be sent for customer approval prior to build. An approved design group will work in concert with the customer to confirm compliance to these specifications throughout the completion process.

Embraer will assign a Contract Administrator to represent each customer with the selection of any optional equipment through the completion process. The Contract Administrator will coordinate schedules, provide milestone schedules, and change orders and contract amendments for the customer's aircraft through the completion process.





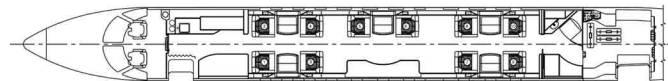
The Embraer Legacy standard configuration allows for a maximum of a ten-passenger compliance. This floorplan is broken in to three distinct areas: forward entry, passenger cabin, and aft lavatory. The forward entry area consists of a galley, galley annex, entertainment closet, and a storage closet. The passenger cabin area is split into three zones: Zone 1 consists of a club seating arrangement on both the right and left hand sides of the aircraft; Zone 2 consists of a club seating arrangement on the right side and a credenza on the left side; Zone 3 consists of a club seating arrangement on both the right and left hand sides. The aft lavatory area consists of the lavatory and vanity on the right hand side and storage cabinet on the left hand side. A pocket door will separate the passenger area and the aft lavatory area. All compartments and furniture will be fully defined in the following sections of this document.



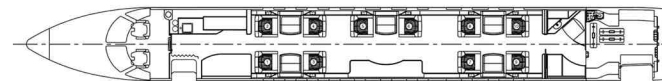


### 1.0 Flight Deck

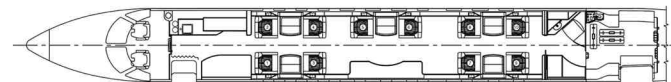
The area defined as everything forward of the cockpit bulkhead including all cockpit avionics.



EQUIPMENT	MANUFACTURER	MODEL
Five cathode ray tube 8" x 7" displays (2 Primary Flight Displays - PFD, 2 Multifunction Displays - MFD and 1 Engine Indication and Crew Alerting System - EICAS - Display) with multi reversionary capabilities	Honeywell	-
Dual Integrated Avionics Computer encompassing functions such as displays driving, dual Flight Director / Single Autopilot, EICAS (Engine Indication and Crew Alerting System) and Electronic Flight Instrument System - EFIS	Honeywell	IC-600
Dual RMU (Radio Management Unit)	Honeywell	RMU-855B
1st and 2nd VHF Communication System - both comprising Integrated VHF and Mode S Diversity Transponder - with 8.33 kHz or 25 kHz frequency spacing. The 8.33 kHz frequency is standard.	Honeywell	RCZ-833
Single Passenger Address and Cabin Interphone Systems	Avtech	5482
Airborne Audio System	Honeywell	AV-850



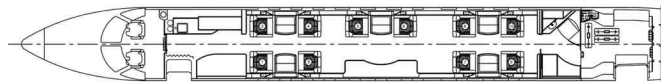
<b>EQUIPMENT</b>	<b>MANUFACTURER</b>	<b>MODEL</b>
Solid State Cockpit Voice Recorder - SSCVR	Allied Signal	-
Solid State Flight Data Recorder - SSFDR	Allied Signal	-
Single Emergency Locator Transmitter - ELT	Artex	-
Engine Indication and Crew Alerting System - EICAS	Honeywell	Phase 8
Single Aural Warning Unit - AWU	Grimes	-
Dual Digital Clocks	Air Precision	-
Dual Air Data Computers RVSM compatible - ADC	Honeywell	AZ-850
Integrated Stand-By Instruments System - ISIS	Thales (Sextant)	-
Dual Inertial Reference System - IRS	Honeywell	Laserref IV
Single Radio Altimeter - RA	Honeywell	RT-300
Dual VHF Navigation System (Integrated NAV/ ADF/ DME)	Honeywell	RNZ-851
Single EGPWS / Windshear Detector and escape guidance	Allied Signal	Mark V



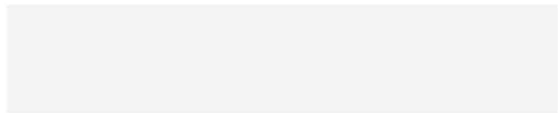
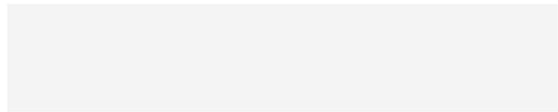
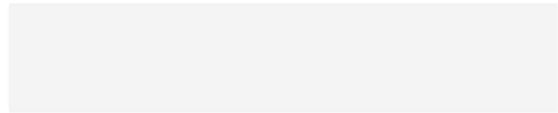
<b>EQUIPMENT</b>	<b>MANUFACTURER</b>	<b>MODEL</b>
Weather Radar with Dual Control Panel and Turbulence Detection	Honeywell	WU-880
Single Traffic Alert and Collision Avoidance System - TCAS 2000	Honeywell	2000 Change 7
Dual Flight Management System + Ground Positioning System (Dual FMS + GPS)	Honeywell	NZ-2000
CAT II Autopilot/Flight Director	Honeywell	-
Single Central Maintenance Computer	Vibrometer	-
Dual Stall Protection System - SPS	Rosemount	-
Single HF		KHF-950
Selcal	Trimble	Jetcall
Satcom Single Channel	Honeywell	-



1.0 FLIGHT DECK







## 2.0 Entry Area

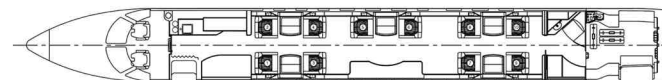
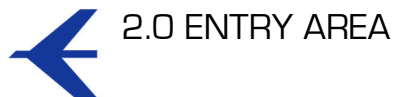
The area defined by the aft side of the cockpit bulkhead to the forward side of the forward cabin partition. This area will encompass the following items: Forward Entry Bulkhead, Air stair, Galley, Galley Annex, Entertainment Closet, Storage Closet.

### 2.1 Forward Entry Bulkhead

The forward entry bulkhead will consist of the aft side of the cockpit bulkhead and one-entry panel switch. The aft side of the cockpit bulkhead and the switch panel finish will be selected from the approved listing of Embraer standard finishing materials.

### 2.2 Air Stair

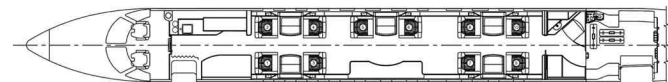
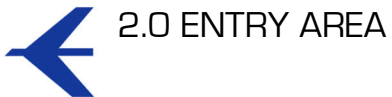
Entry steps are integral and covered with a non-skid tread. Lights wash the steps for visibility in dark conditions and are plated to match stainless steel stair risers. The entry door is fitted with a handrail, which is also used to provide assistance in closing from inside the aircraft. The door jam includes covered closeouts. The tread and handrail finish will be selected from the approved listing of Embraer standard finishing materials.





### 2.3 Galley

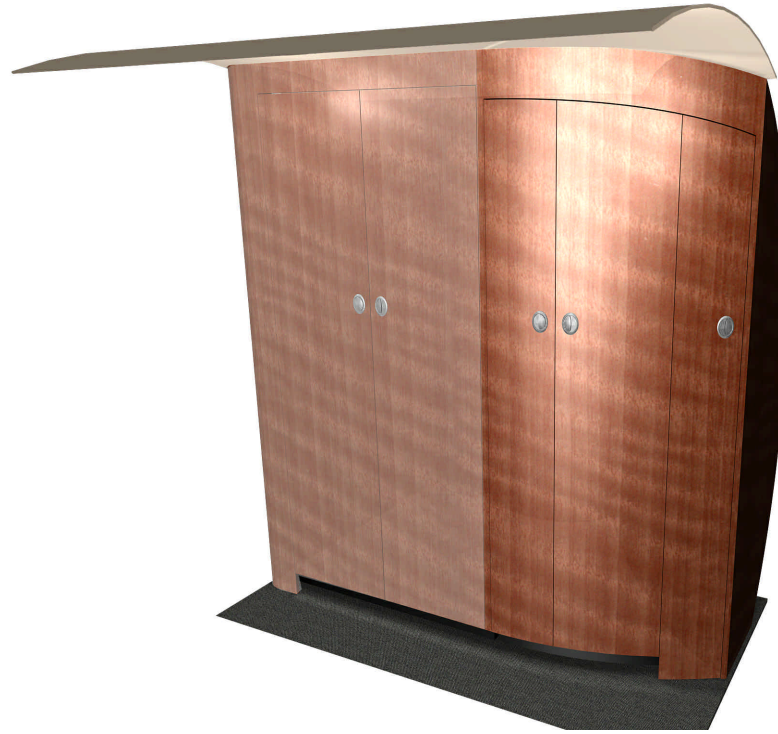
The galley is located in the entry area across from the entry door. Additional galley features include: food storage, sink with cover, and hot/cold faucet plumbed to central water service. Numerous drawers provide storage for condiments, food service, and soft drinks. Standard appliances include: T.I.A. pour-over coffee maker, T.I.A. microwave oven, pullout work surface. Drawers requiring storage of amenities will be fitted with inserts. There will be provisions for one 110v outlet.





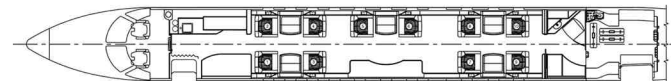
2.4 Galley Annex

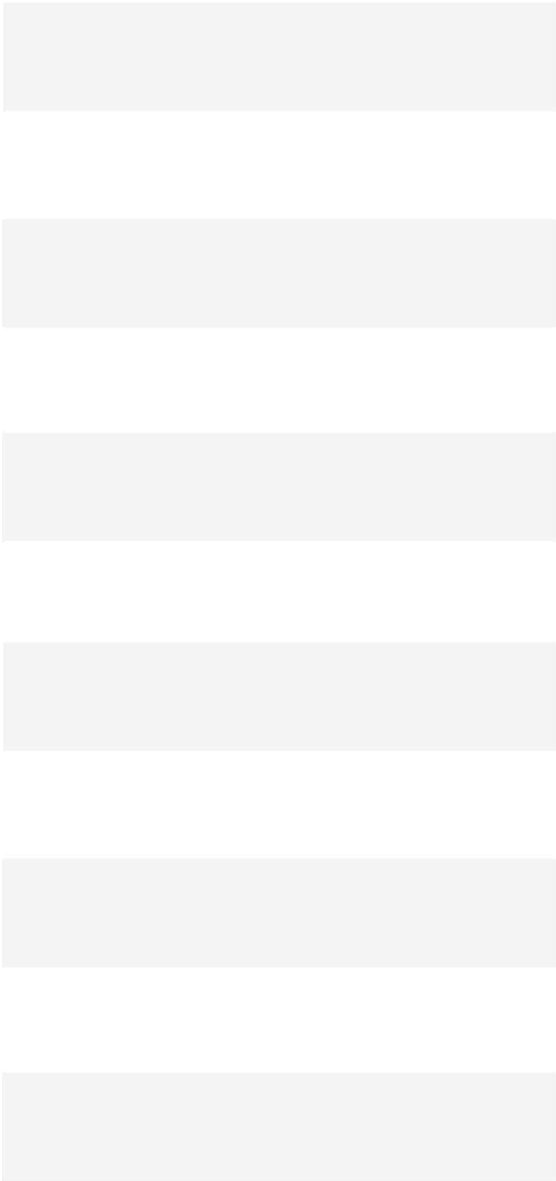
The galley annex is located aft of the galley and across from the storage closet. The galley annex features include: food and beverage storage, trash receptacle with removable metal liner and a self-sealing lid, backlit storage for crystal, decanters, a waiter's key, a pullout liquor service station, and a pullout work surface. Numerous drawers provide storage for condiments, food service, and soft drinks. Drawers requiring storage of amenities will be fitted with inserts. The cabinet finish will be selected from the approved listing of Embraer Standard finishing materials.



### 2.5 Entertainment Closet

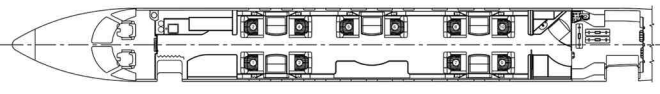
The entertainment closet features a folding acoustical curtain to close off the entry area during flight. This curtain assists in the reduction of cabin noise and cold air during extended flights. The curtain is folded neatly into a storage compartment on the forward side of the entertainment cabinet. The entertainment closet provides storage for the following required safety equipment: flash light, portable oxygen bottle, fire extinguisher, smoke hood, first aid kit, and crash axe. The entertainment closet provides storage for the following source equipment: a multi-format DVD Player (2), media storage, and a master controller. The entertainment closet also houses the MHE, power-static inverter, Air show, MHP laptop controller, TCM temperature controller, and audio amplifier. The cabinet finish will be selected from the approved listing of Embraer Standard finishing materials.

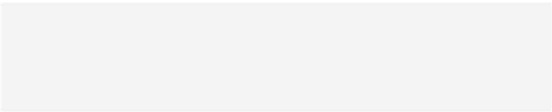
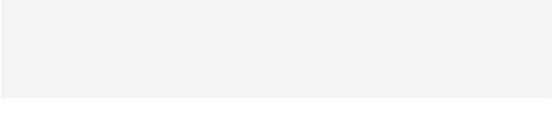
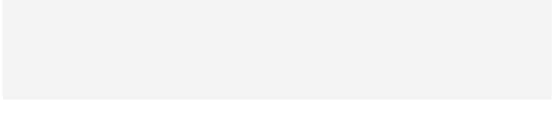
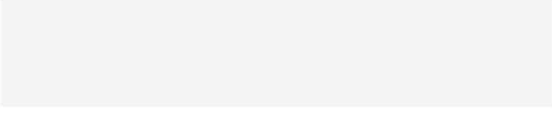




2.6 Storage Closet

The storage closet is located aft of the entertainment closet and across from the galley annex. The storage closet contains the following: a removable hang rod for storage of full-length coats, storage for carry on items, an upper shelf for small items, and a light that is activated by the forward door. The cabinet finish will be selected from the approved listing of Embraer Standard finishing materials. An entry curtain will be located on the most forward side of the cabinet. The curtain pulls inboard and tracks forward to close out the air stair reducing in flight cabin noise.



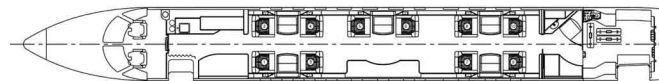


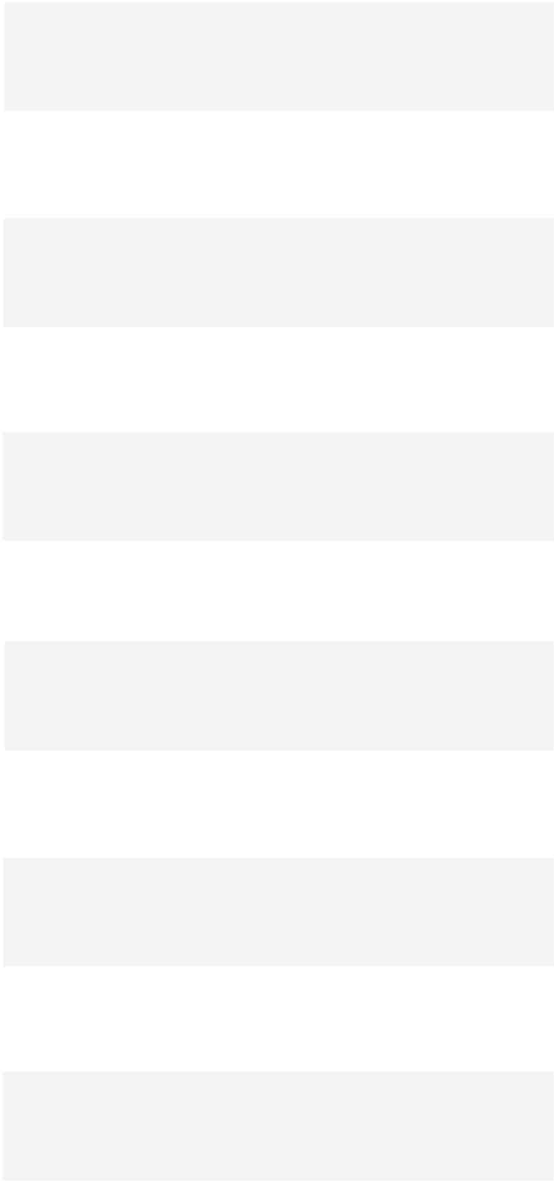
### 3.0 Passenger Compartment

This compartment is defined from the aft side of the forward partitions to the forward side of the aft pocket door.

#### 3.1 Forward Partition

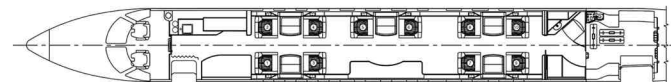
The forward partition separates the entry and the passenger areas. The partition will be constructed with the entry area cabinets. A 15" monitor is housed on the left hand side partition and placed above headrest level for viewing. The partition finish will be selected from the approved listing of Embraer Standard finishing materials.





### 3.2 Seating

Seating will include 10 single seats arranged in five club groupings. These seats will include the following standard features: forward and aft seat tracking, inboard and outboard tracking, swivel motion, standard headrest, escape path lighting (inboard side only), recline, seat motion control lever on the inboard arm, and recline button on the inboard arm. The seat will have a standard 20-inch seat pan, life vest, life vest storage, briefing card, seat belt webbing, seat belt reels, and will meet 16g requirements. The seat finish will be selected from the approved listing of Embraer Standard finishing materials.





### 3.3 Arm Ledge

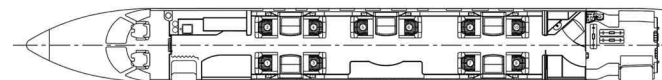
The arm ledges will extend through the cabin of the aircraft and provide provisions for egress through emergency exits and will incorporate passenger amenities. The arm ledge finish will be selected from the approved listing of Embraer Standard finishing materials.

#### 3.3.1 Lower Sidewall

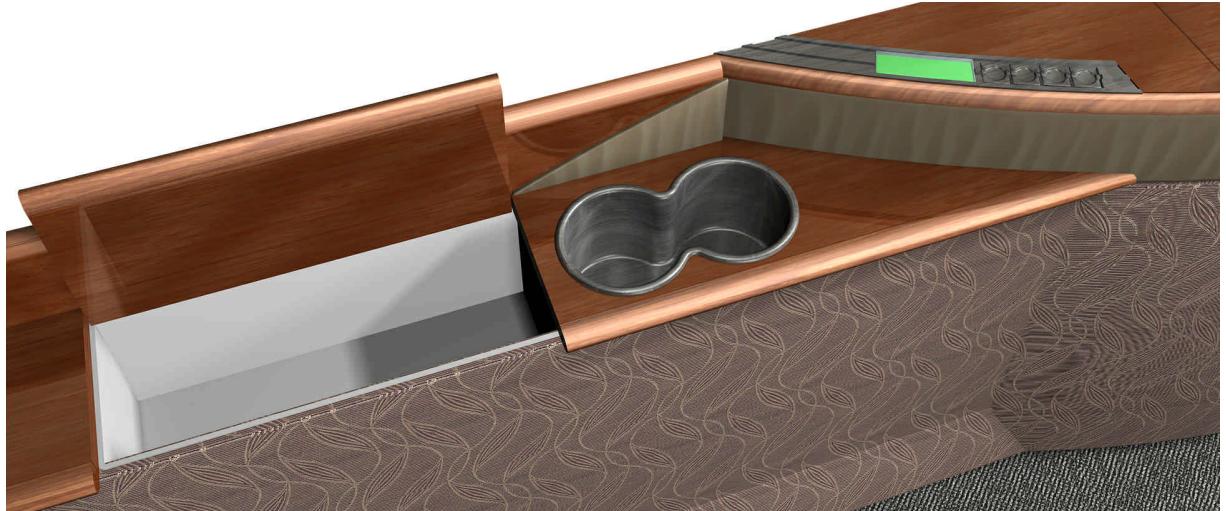
The lower sidewall runs from the aft side of the forward partition to the forward side of the aft pocket door.

#### 3.3.2 Tables

The standard table used in the passenger area is a 26" Enflight table. The tables are actuated with an Enflight mechanism and the table lid returns to its original position to cover the opening while the table is deployed. Due to the unique shape of the arm ledge, the inboard lip will travel with the table and a spring-loaded mechanism will nest the lip under the table. There are five tables in the standard passenger area; one located between each club grouping.







### 3.3.3 Cup Holders

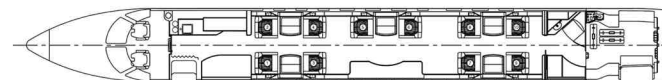
The cup holders are manufactured in a figure-eight shape and can hold containers with a maximum of 3" dia. which allows all standard crystal to be used. Rubber inserts are provided and are removable for ease of cleaning. There are ten cup holders in the standard passenger area.

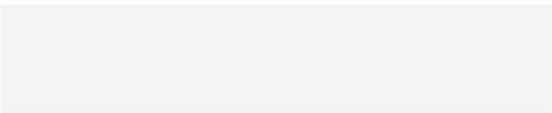
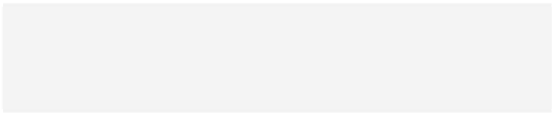
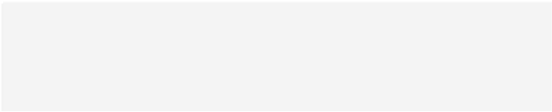
### 3.3.4 Storage Boxes

Storage boxes are located next to the cup holders and allow for the storage of small items. The access panels utilize hidden hinges. There are ten storage boxes in the standard passenger area.

### 3.3.5 Passenger Controls

The passenger controls will consist of membrane switches with L.E.D. read-outs. All passengers will be provided with a typical passenger control with the functions listed in section 7.6. A standard passenger area will have nine typical controls and one V.I.P. control located at seat position #4.



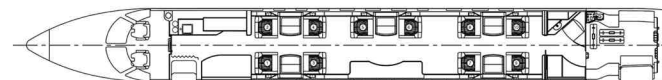


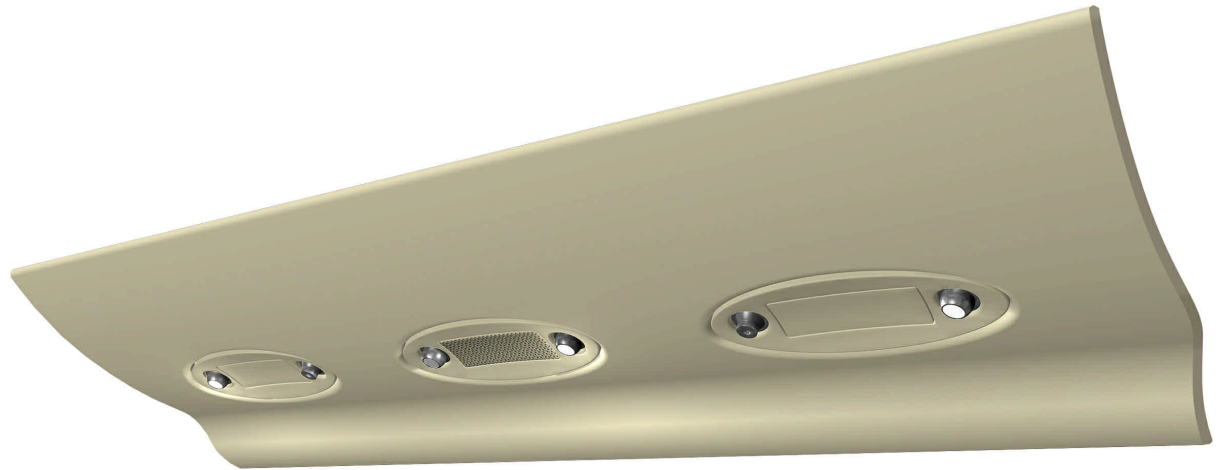
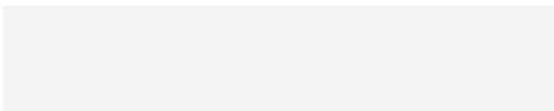
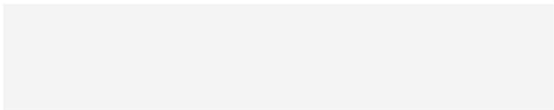
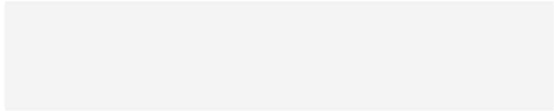
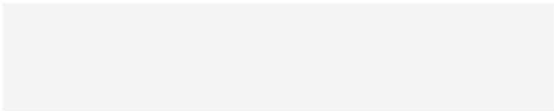
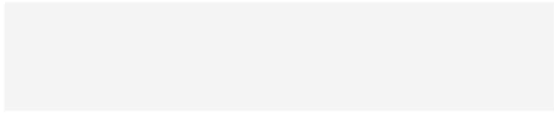
### 3.4 Shell

The shell includes the following components: headliner, P.S.U. (Passenger Service Unit), upper sidewall, window panels, and lower sidewall. The shell components are padded with pre selected 1/8th neoprene foam and covered with selections from the approved listing of Embraer Standard finishing materials.

#### 3.4.1 Headliner

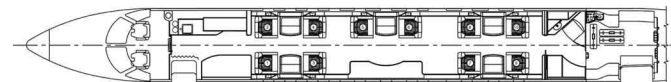
The headliner runs from the aft side of the cockpit bulkhead through the entry, passenger, and aft lavatory areas to the forward side of the aft baggage bulkhead and houses all area lighting. Three lights are located in the entry area and one in the lavatory. The headliner shall also include a curtain track for the acoustical curtain in the entry area. (Reference section 2.5)

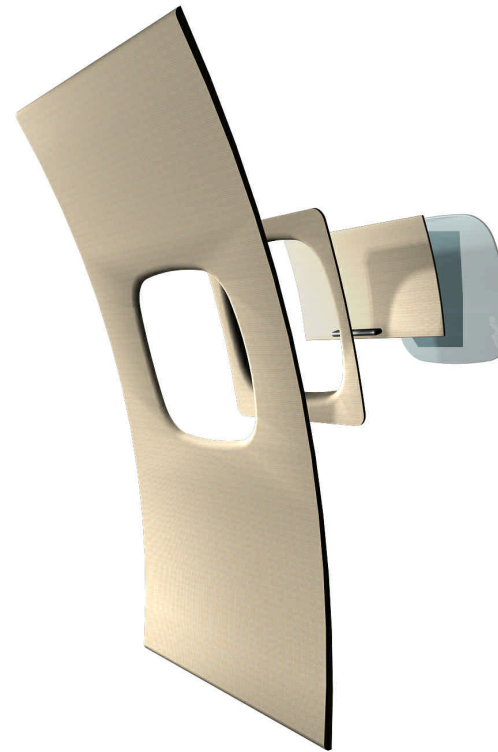
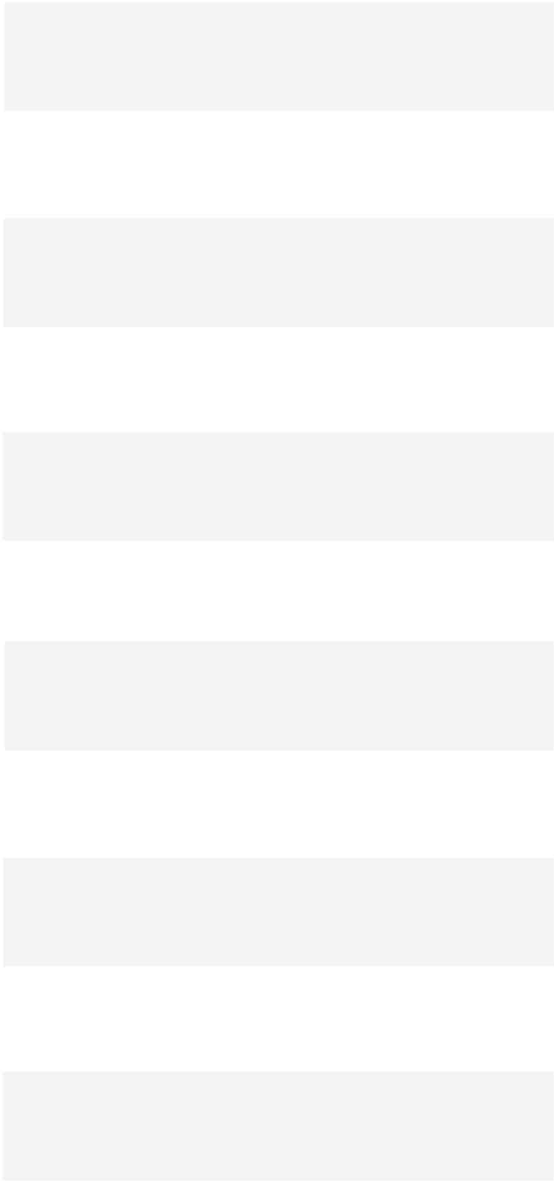




### 3.4.2 P.S.U.

The Passenger Service Unit runs from the aft side of the forward partition to the forward side of the aft pocket door on both sides of the aircraft. The P.S.U. includes indirect upwash lighting and downwash lighting, reading lights, air gaspers, speakers, and therapeutic oxygen. One therapeutic oxygen outlet is fitted in the center of the cabin and a mask is included. The P.S.U. provides escutcheons at all passenger locations with reading light, gasper, and an oxygen drop packaged together. These units will be distributed on both sides of the aircraft totaling 12 units. A secondary escutcheon including a speaker and two table lights shall be placed equidistant between the club primary escutcheons. These units will be distributed on both sides of the aircraft totaling 6 units. In addition, there shall be a short section of P.S.U. located in the aft lavatory on the right side of the aircraft. The escutcheon at this location includes a gasper, reading light, and an oxygen drop. This provides a total of 25 table/read lights, 13 gaspers, 13 oxygen mask and six speakers.



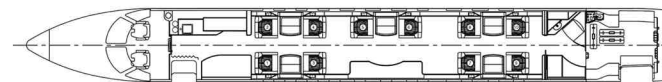


### 3.4.3 Shades

The window panels are located throughout the cabin and all have manually operated window shades. Shades located in all blocked-off windows are permanently shut. The make up of the window shade includes a thermo-formed shade, a polycarbonate inner window, and a painted to match window bucket with the shade receiving a handle.

### 3.4.4 Upper Sidewall

The upper sidewall runs from the aft side of the forward partition to the forward side of the aft baggage bulkhead.



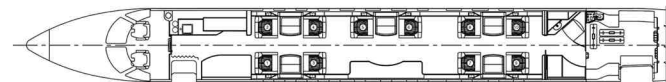


### 3.5 Credenza

The standard credenza will measure approximately 89" forward to aft and will be located on the left hand side of the aircraft. It will be outfitted with six doors with adjustable shelves on its interior. The credenza finish will be selected from the approved listing of Embraer Standard finishing materials.



3.0 PASSENGER COMPARTMENT



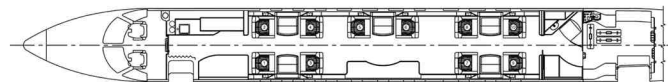


### 3.6 Aft Pocket Door

The aft pocket door separates the passenger area and the aft lavatory area. The pocket door is a one-piece door with a drop down footer. A 15" monitor is housed on the right hand side partition and placed above headrest level for viewing. The aft pocket door finish will be selected from the approved listing of Embraer Standard finishing materials.



3.0 PASSENGER COMPARTMENT



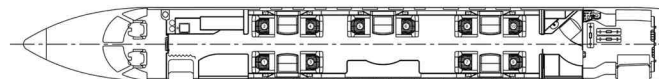


#### 4.0 Aft Lavatory Area

The aft lavatory area is located between the aft side of the aft pocket door and the forward side of the baggage access door.

#### 4.1 Aft Lavatory / Vanity

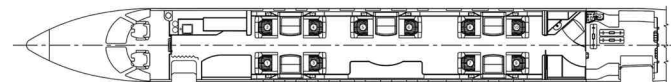
The aft lavatory vanity is located on the right hand side of the aircraft and is equipped with the following: electric flush toilet, lighted vanity mirror surround, one 110v outlet, overboard servicing, I.R. faucet with hot and cold service, sink, storage for toilet paper, trash with self-sealing removable liner, soap dispenser, facial tissue, and misc. storage.



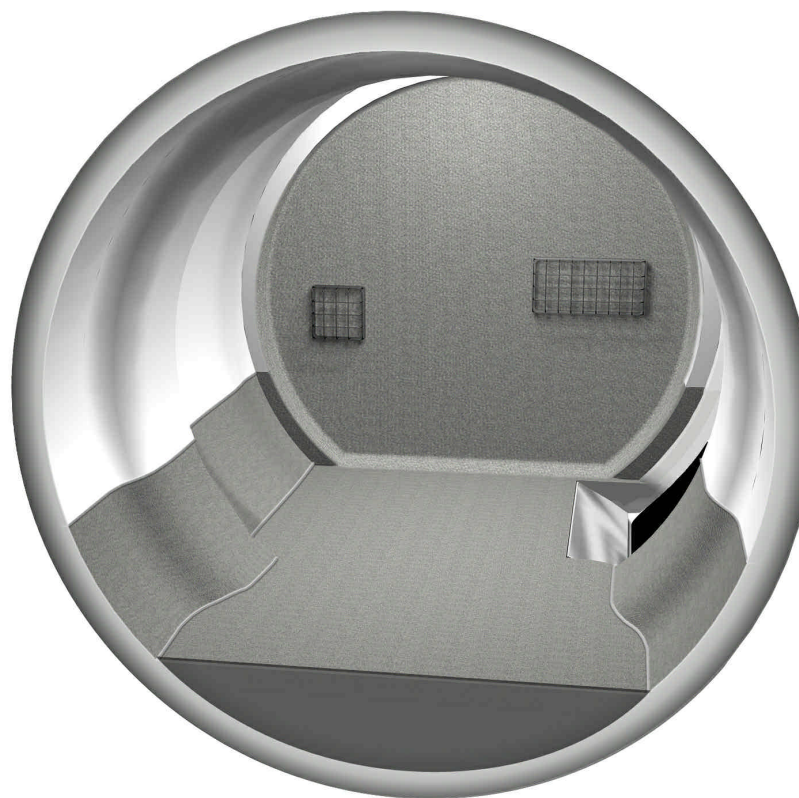


#### 4.2 Aft Lavatory Closet

The aft lavatory closet is divided in to two units of space with three doors. The forward compartment is constructed with a top shelf for small item storage, lower adjustable shelves, a removable coat rod, and a light activated by a contact switch in the door. The aft compartment is constructed with one permanent center shelf and lower adjustable shelves.







### 5.0 Baggage

The baggage area is located aft of lavatory compartment.

### 5.1 Interior Baggage Door

The interior baggage door swings forward and is located between the aft lavatory and baggage areas.

### 5.2 Baggage Lining

The baggage area will consist of a shelf and bag restraints.

## 6.0 System

A general grouping of all major electronic and plumbing systems. These systems help to provide environmental and safety control within the plane.

### 6.1 Oxygen

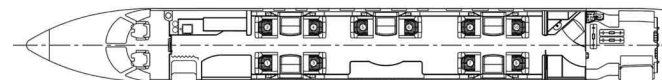
A passenger gaseous oxygen system will be installed to supply passengers with oxygen after cabin decompression.

The passenger gaseous oxygen system will consist of one high-pressure bottle plumbed parallel with bottle-mounted regulators. The system will consist of one (1) 77-ft<sup>3</sup> bottle and an optional 77-ft<sup>3</sup> bottle. The regulators will reduce the high pressure to low pressure for distribution to the passenger oxygen boxes. These boxes open due to oxygen pressure being supplied.

The existing crew oxygen service panel will be modified to accept the passenger oxygen service system. The passenger oxygen service system will use identical parts (fill port and gauge) as that existing for the crew oxygen system. The existing crew oxygen overboard port will be used for the new passenger oxygen system as well.

The passenger gaseous oxygen system will utilize the same type pressure transducer as that of the crew oxygen system. This will allow the passenger oxygen system to interface to the EICAS in the same manner as the crew oxygen system. A low-pressure switch shall be installed for each bottle in the low-pressure side of each bottle. An indicator shall be installed on the existing passenger oxygen control panel to indicate low pressure.

The control philosophy of the gaseous oxygen system shall remain identical to that of the original aircraft chemical oxygen system. There shall be a three (3)-position switch for OFF, AUTO and ON. Additionally, the OXYGEN FLOW indicator shall be tied in to the delivery side of the gaseous oxygen system.

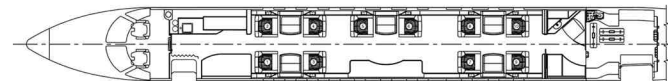


## 6.2 Water

The pressurized potable water system will consist of a 14-gallon stainless steel tank. The tank will provide service to both galley and lavatory potable water systems. A Water System Control Panel is provided at the galley. This panel includes: tank water level indicator, compressor reset switch, tank overpressure indicator and press to test button. The tank will be pressurized to 35 psig by both an air compressor controlled by a pressure switch and regulated bleed air. Check valves will determine the appropriate source of air pressure (air compressor or bleed air) for the given aircraft conditions (ground, takeoff, cruise, etc.). The bleed air source shall incorporate a filter, regulator and pressure relief valve. There shall be provisions for tank level sensor, vacuum relief valve and overpressure valve. The galley and lavatory water supply line shall incorporate filters. The tank will be serviced using the same fill/drain service panel. The tank and associated plumbing will be designed such that back draining is possible through the existing fill/drain service panel. The tank and all lines shall be protected from freezing during aircraft operation.

Both galley and lavatory will incorporate potable water isolation valves. These valves shall be easily accessible in flight in order to shutoff the water supply in the event of a leak. Both galley and lavatory will incorporate a 28VDC-quart size water heater.

Both the galley and lavatory shall be capable of draining wastewater in-flight. The entire potable water system shall be capable of in-flight purge via opening both galley and lavatory faucets and allowing the water to drain out the drain port.



6.3 Environmental Control System

The existing air system shall be modified to suit the executive interior and provide stable cabin temperatures throughout the aircraft. The cabin pressure control system provides a maximum cabin/ambient pressure differential of 8.1 psid, maintaining the cabin altitude at maximum 8,000 ft up to 39,000 ft of flight altitude.

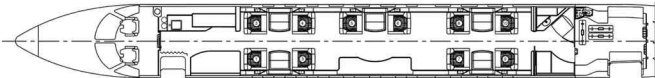
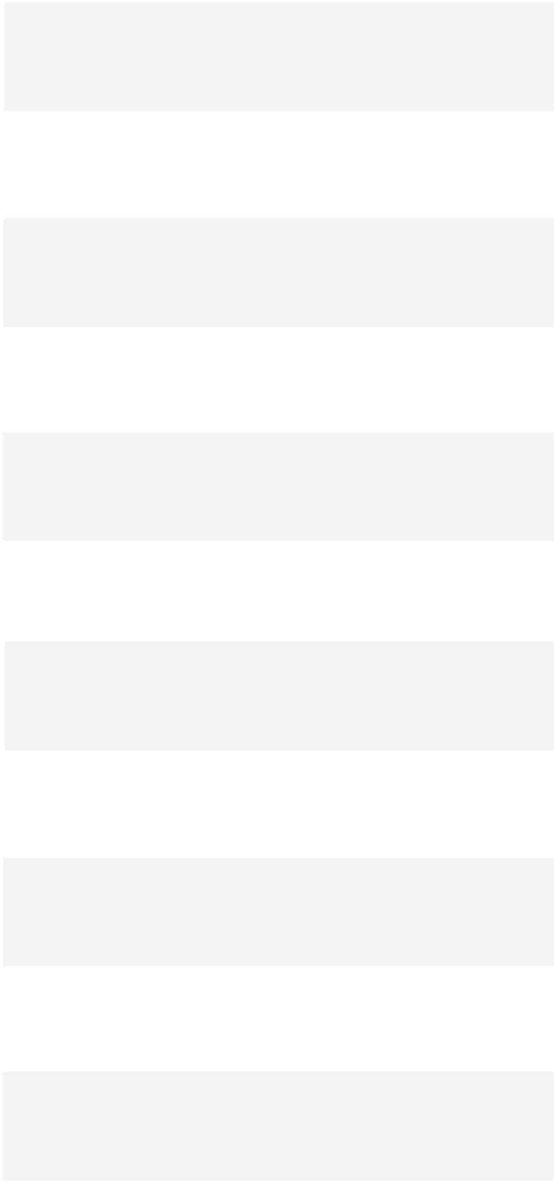
Conditioned air is supplied by two high capacity three-wheel air bearing Air Cycle Machines, with cockpit and passengers cabin temperature selection being independently performed.

The air system consists of an upper "cold" air system, a lower "hot" air system and a gasper air system. The upper "cold" air system shall provide up and down wash of airflow out the valance panel. The lower "hot" air system shall provide a horizontal wash of airflow across the floor. The gasper air system shall be capable of providing air to the passengers via adjustable air valves located in the valance.

Return and decompression airflow shall be incorporated at the intersection of the floor and "hot" air system/sidewall panel.

6.4 Smoke Detection

Smoke detection comprises a smoke sensor in the lavatory ceiling, and two smoke sensors in the baggage compartment.



## 6.5 Electrical Power (110v @ 60Hz)

The aircraft shall be equipped with 2000va static inverter. This inverter will be used to power outlets located within the cabin, galley and lavatory. This will be used to operate portable computers, shavers, and other miscellaneous equipment, which require 115Vac, 60Hz sine wave power. There will be a total of two outlets that will be accessible to the flight attendant and passengers. These outlets will be located as follows:

- Galley (1)
- Lavatory (1)

The Galley and lavatory will have a dual GFI outlet and the cabin will have a single outlet (with GFI protection).

## 6.6 Communication

The cabin communication system consists of the following:

- One single channel SATCOM
- One handset located at the V.I.P. seat
- one sono alert

## 6.7 Lighting

The cabin lighting system consists of the following light systems:

-Indirect lighting will run continuous through out the cabin on both sides of the aircrafts valance panel and on the left side of the valance panel located in the lavatory. The indirect lighting provides both downwash towards the upper sidewall and upwash towards the headliner.

- Reading lights (1 per seat location) (10 total)
- Table lights (2 per table location) (10 total)
- Reading lights over credenza (6 total)
- Reading light in lavatory (1)
- Lavatory area general lighting in headliner (1)
- Entry area general lighting in headliner (3)
- Closet lights in FWD. Storage, Aft Lavatory Closet,(2)
- Courtesy/Airstair lights
- Galley include backlit crystal display and under counter lights
- Emergency/Escape path lights located in seats and credenza

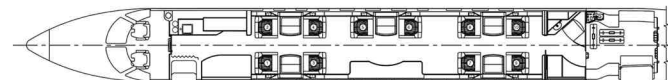
### 6.7 Lighting (Continued)

The sidewall wash lighting system shall consist of Bigorre Aerospace Hot Cathode light system. The light system consists of up and down wash lamps. These lamps are located along the top and bottom of the valance panels. The fluorescent tubes will be installed to provide continuous flow of lights along the valance panels. The reading/table lights shall be installed in the PSU above each seat or table. The passenger control unit shall have individual ON/OFF controls for the reading and table lights. The Courtesy lights shall be located above the main entrance. These lights shall be controlled from the entrance panel. All closet lights will be activated from contact switch. The entry area lights shall consist of three can lights that will be installed in the headliner. The galley control panel will control these entry area lights. The lavatory will have upwash and downwash lights located in the valance panel. These lights will be the same fluorescent lights that are used throughout the cabin interior. The emergency escape path lights shall consist of an electro luminescent strip and exit marker identification that shall meet the requirements of FAR 25.811 titled Emergency Exit Markings.

### 6.8 Cabin Management

The cabin management system shall be made up of all passenger switches and source equipment as follows:

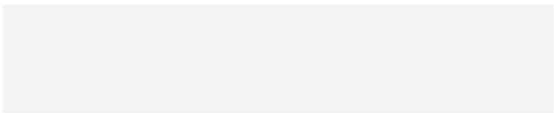
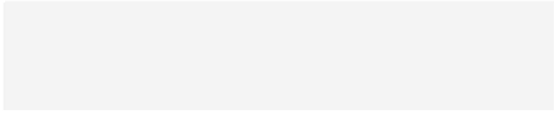
- entry panel switch controls
- galley switching unit
- entertainment cabinet switching
- 9 passenger control units
- 1V.I.P. control unit (located at the first forward facing culb seat)
- lavatory control panel
- baggage control panel
- six speaker audio system
- two multi-fuctional d.v.d.



## 7.0 Exterior Paint

This will consist of the client's selection of exterior paint for the plane:

One solid base and up to two stripes of any standard, non-metallic paint approved by Embraer standard paint charts.



7.0 EXTERIOR PAINT

