

**CHAPTER**

**00**

**GENERAL**

CHAPTER 00  
GENERAL

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
00-EFFECTIVE PAGES									
		1		Aug 05/2009					
		2		BLANK					
00-CONTENTS									
		1		Jun 28/2006					
		2		BLANK					
00-ALPHABETICAL INDEX									
		1		Jun 28/2006					
		2		BLANK					
00-00-00									
	1	101		Jan 21/2005					
	2	101		Jan 21/2005					
00-06-10									
		101		Jan 21/2005					
		102		Jun 28/2006					
00-06-21									
		101	1	Jan 21/2005					
			2	Jan 21/2005					
		102	1	Jan 21/2005					
			2	Jan 21/2005					
00-06-30									
		101	1	Jan 21/2005					
			2	Jan 21/2005					
		102	1	Jan 21/2005					
			2	Jan 21/2005					

A = Added, R = Revised, D = Deleted, O = Overflow

## 00-EFFECTIVE PAGES

Page 1  
Aug 05/2009

D280T232

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CHAPTER 00  
GENERAL

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<b><u>SYMBOLS</u></b>						
MECHANICAL SYMBOLS	00-00-00	1	101		Jan 21/2005	ALL
ELECTRICAL / ELECTRONIC SYMBOLS	00-00-00	2	101		Jan 21/2005	ALL
<b><u>DIMENSION AND EQUIPMENT LOCATION</u></b>						
767 CONFIGURATION	00-06-10		101		Jan 21/2005	050-099
			102		Jun 28/2006	150-199 275-299
AIRPLANE STATIONS - BODY WING AND STABILIZERS	00-06-21		101	1	Jan 21/2005	050-099
				2	Jan 21/2005	050-099
			102	1	Jan 21/2005	150-199 275-299
				2	Jan 21/2005	150-199 275-299
PANEL LOCATIONS AND MAJOR EQUIPMENT CENTER	00-06-30		101	1	Jan 21/2005	050-099
				2	Jan 21/2005	050-099
			102	1	Jan 21/2005	150-199 275-299
				2	Jan 21/2005	150-199 275-299



CHAPTER 00  
GENERAL

CH-SC-SU	Title
00-06-10	767 CONFIGURATION
00-06-21	AIRPLANE STATIONS - BODY WING AND STABILIZERS
00-00-00	MECHANICAL SYMBOLS
00-06-30	PANEL LOCATIONS AND MAJOR EQUIPMENT CENTER

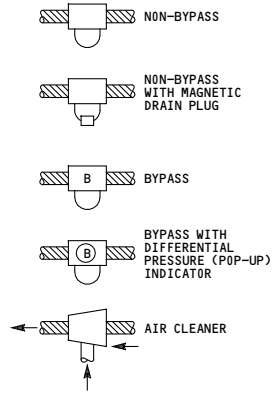
CH-SC-SU	Title
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00-ALPHABETICAL INDEX

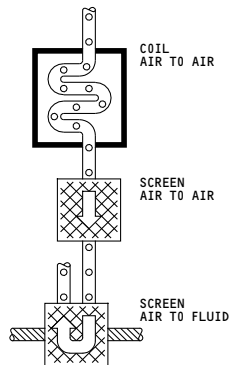
D280T232

801

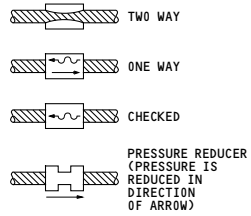
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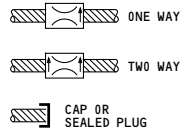
## HEAT EXCHANGERS



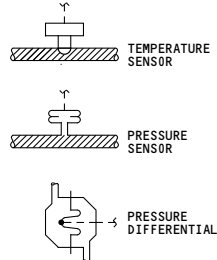
## RESTRICTORS



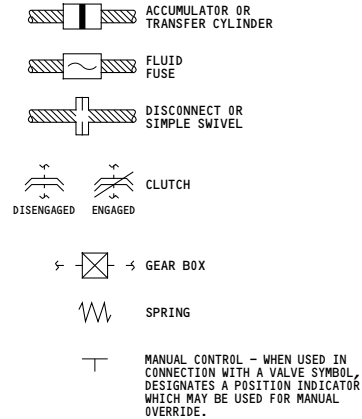
## FLOW REGULATORS



## SENSORS

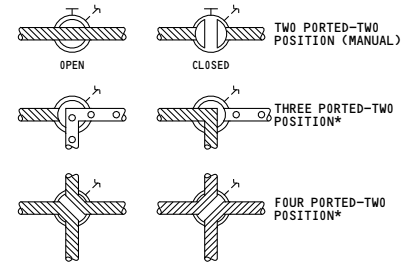


## MISCELLANEOUS MECHANICAL

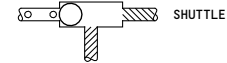


## VALVES-FLUID

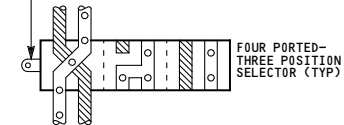
MANUAL CONTROL - WHEN USED IN CONNECTION WITH A VALVE SYMBOL, DESIGNATES A POSITION ACTUATOR WHICH MAY BE USED FOR MANUAL OVERRIDE.



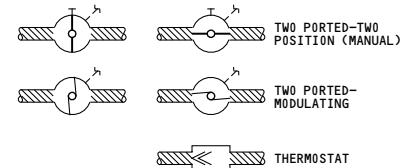
\* VALVES ROTATE 90° CLOCKWISE TO OPEN WHEN ACTIVATED UNLESS INDICATED BY A COUNTER-CLOCKWISE ARROW



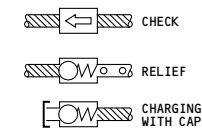
## LINKAGE CONNECTION



## VALVES-PNEUMATIC



## VALVES-FLUID OR PNEUMATIC



ALL

## MECHANICAL SYMBOLS

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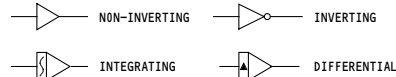
00-00-00

Schem 1  
Page 101

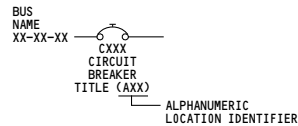
Jan 21/2005

801

## AMPLIFIERS



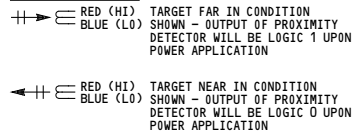
## CIRCUIT BREAKER



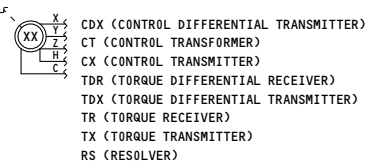
## LIGHTPLATE



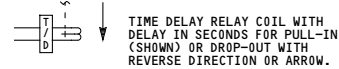
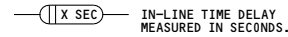
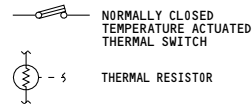
## PROXIMITY SENSOR



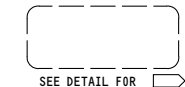
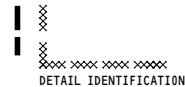
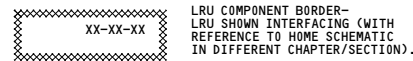
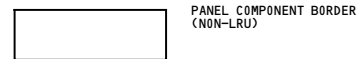
## SYNCHRO



## THERMAL DEVICES



## LRU/COMPONENT IDENTIFICATION

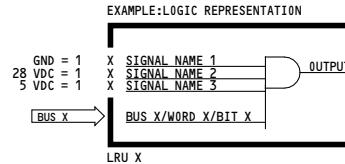


## MATHEMATICAL SYMBOLS

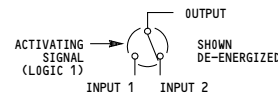
- < LESS THAN
- ≤ LESS THAN OR EQUAL TO
- > GREATER THAN
- ≥ GREATER THAN OR EQUAL TO
- α ALPHA: DIRECTION ANGLE WITH X-AXIS (ANGLE OF ATTACK)
- β BETA: DIRECTION ANGLE WITH Y-AXIS (ANGLE OF ATTACK)
- Δ DELTA: DIFFERENCE OR DIFFERENTIAL
- Σ SIGMA: SUMMATION

## LOGIC SYMBOLS

SCHEMATICS ARE DRAWN USING FUNCTIONAL LOGIC. ON FUNCTIONAL LOGIC THE NAME OF THE SIGNAL IS THE LOGIC 1 (TRUE) STATE. HOW THE LOGIC 1 SIGNAL IS ASSERTED (ACTIVE) IS ARBITRARY TO THE LOGIC FUNCTION. THE SCHEMATIC SHOWS THE SIGNAL NAME AND THE HARDWARE ACTIVE LEVEL AND/OR THE SOFTWARE BUS/WORD/BIT SIGNAL, AS SHOWN IN THE EXAMPLE FOLLOWING:

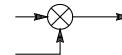


## LOGIC OR SOLID STATE SWITCH



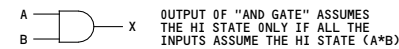
THE INPUTS MAY BE VOLTAGE OR GROUND. USUALLY THERE IS ONLY ONE SWITCHED INPUT.

## SIGNAL SUMMING POINT

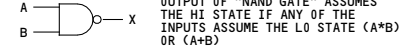


## LOGIC ELEMENT DEFINITION

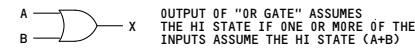
### AND GATE



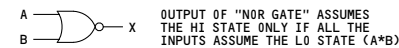
### NAND GATE



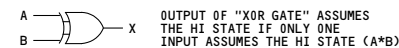
### OR GATE



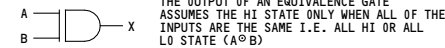
### NOR GATE



### EXCLUSIVE OR GATE

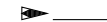


### EQUIVALENCE GATE

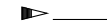


## EQUIVALENT LOGIC FUNCTIONS

AND/NAND GATES	OR/NOR GATES	TRUTH TABLE		
		A	B	X
A AND B	A NOR B	1	1	1
		1	0	0
		0	1	0
		0	0	0
A NAND B	A NOR B	1	1	0
		1	0	0
		0	1	0
		0	0	1
A AND B	A OR B	1	1	1
		1	0	1
		0	1	1
		0	0	0
A NAND B	A OR B	1	1	1
		1	0	1
		0	1	1
		0	0	0
EXCLUSIVE OR GATE (XOR)		1	1	0
		1	0	1
		0	1	1
		0	0	0
EQUIVALENCE GATE		1	1	1
		1	0	0
		0	1	0
		0	0	1



THE SERVICE BULLETIN LISTED ADJACENT TO THE FLAGNOTE HAS BEEN INCORPORATED INTO THIS SCHEMATIC IN EITHER THE "DUAL" OR THE "FINAL" CONFIGURATION, ACCORDING TO CUSTOMER REQUEST.\*



CUSTOMER ORIGINATED MATERIAL INCORPORATED INTO THE MANUAL AT CUSTOMER REQUEST (SEE INTRODUCTION PAGE 1).\*

\*SEE THE MODIFICATION INDEX FOR INCORPORATION DATES AND CONFIGURATION INFORMATION.

ALL

## ELECTRICAL / ELECTRONIC SYMBOLS

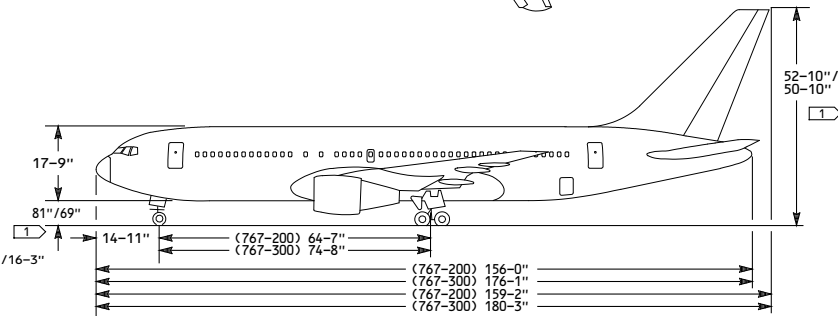
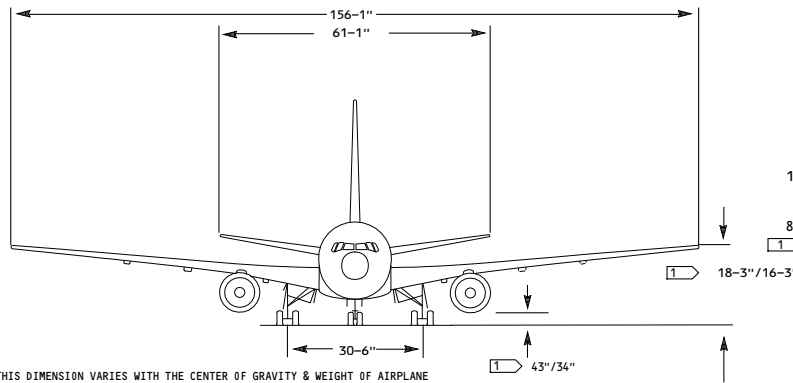
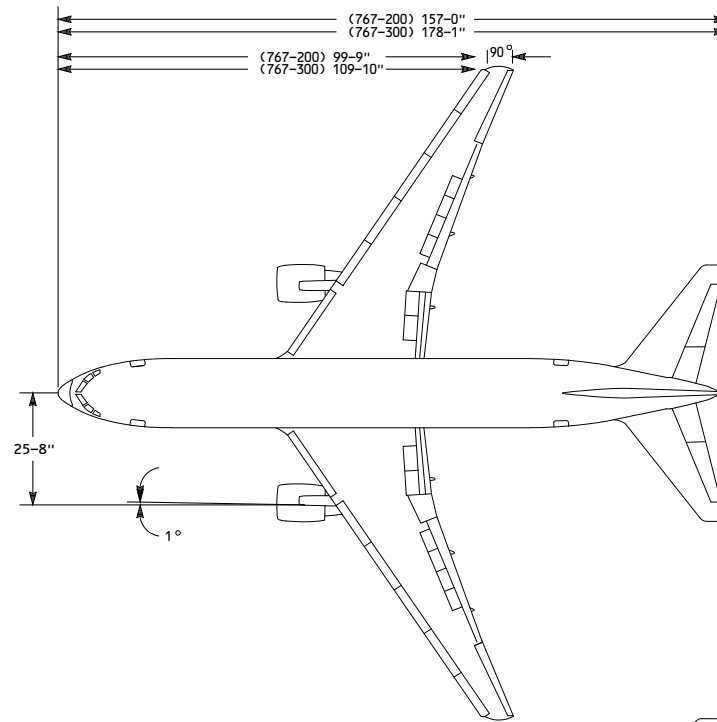
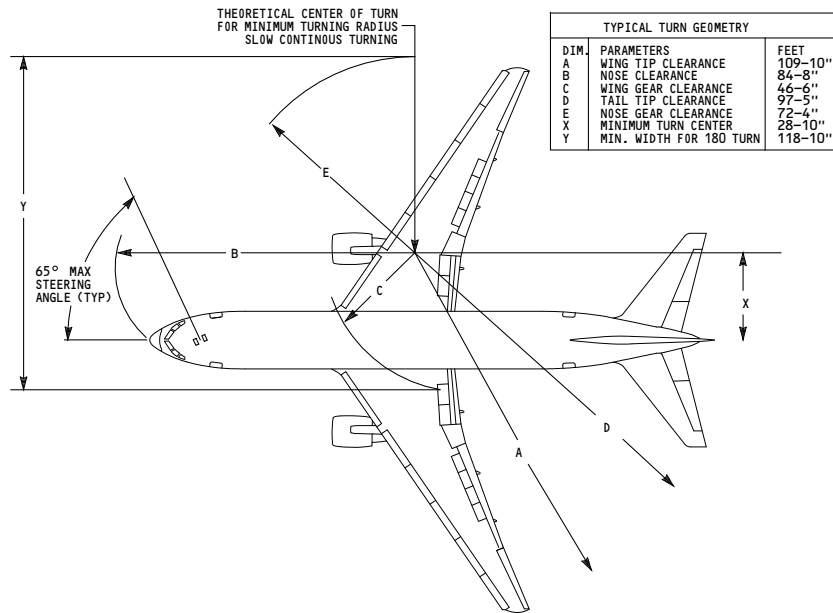
D280T232

00-00-00

Schem 2  
Page 101

Jan 21/2005

801



THIS DIMENSION VARIES WITH THE CENTER OF GRAVITY & WEIGHT OF AIRPLANE

050-099

**767 CONFIGURATION**

D280T232

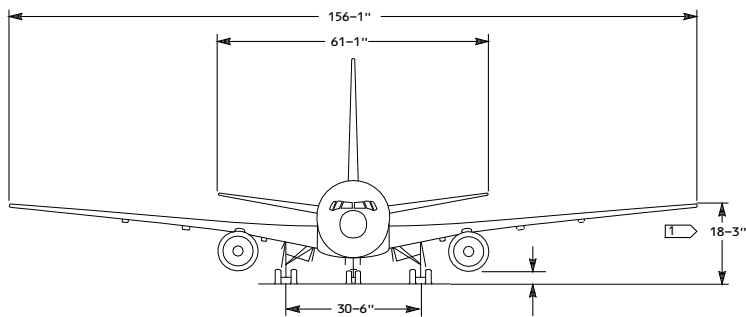
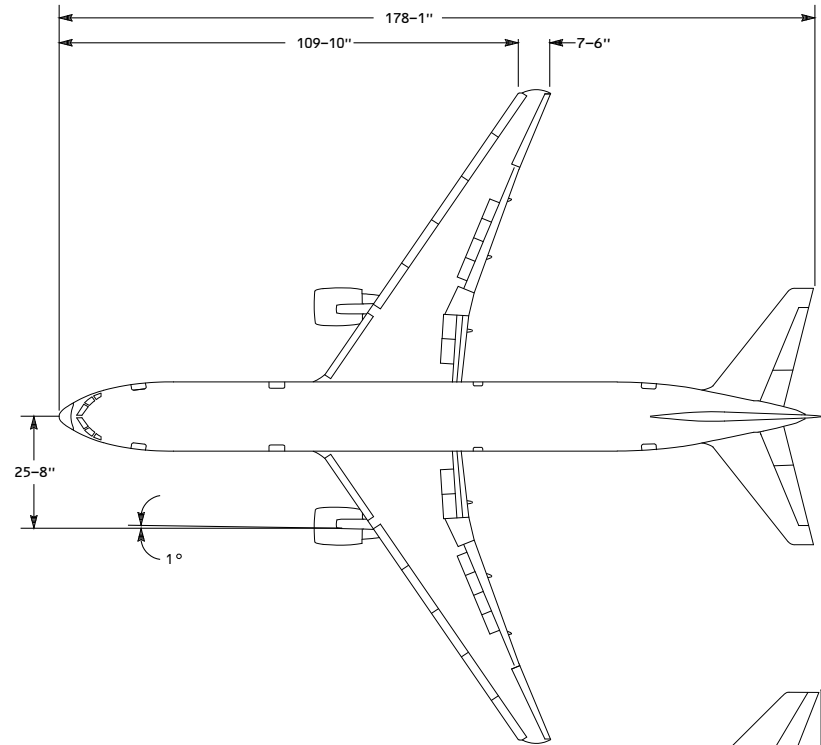
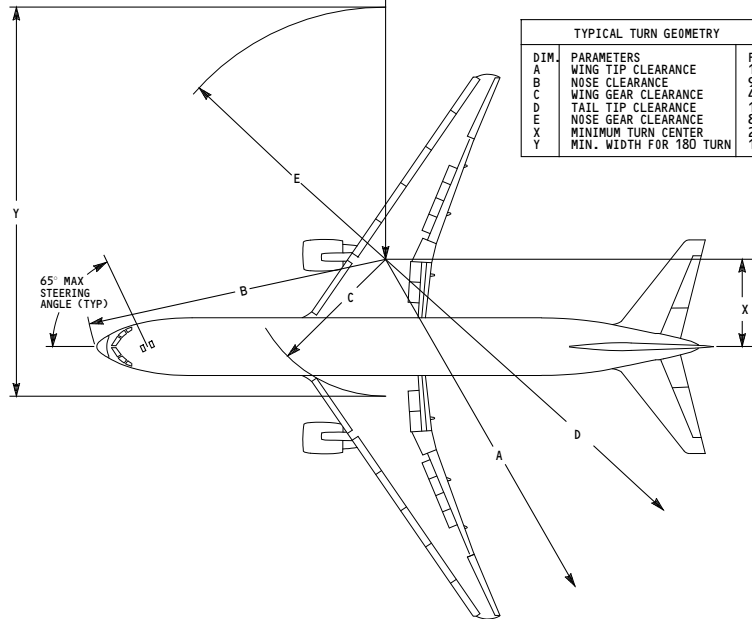
**00-06-10**

Page 101

Jan 21/2005

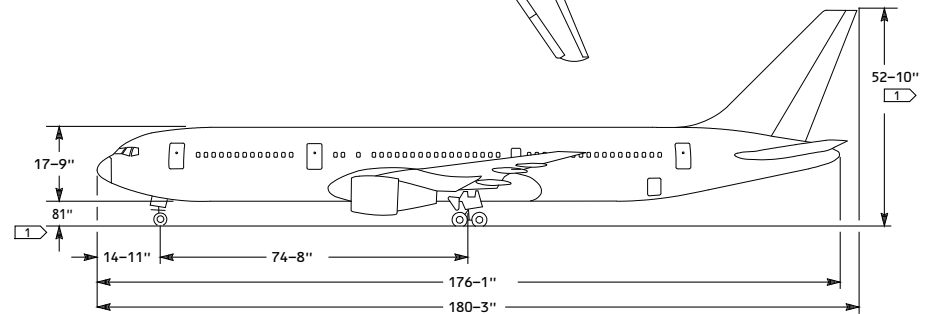
-B-  
802

THEORETICAL CENTER OF TURN  
FOR MINIMUM TURNING RADIUS  
SLOW CONTINUOUS TURNING



THIS DIMENSION VARIES WITH THE CENTER OF GRAVITY & WEIGHT OF AIRPLANE

(767-300)



150-199, 275-299

**767 CONFIGURATION**

D280T232

**00-06-10**

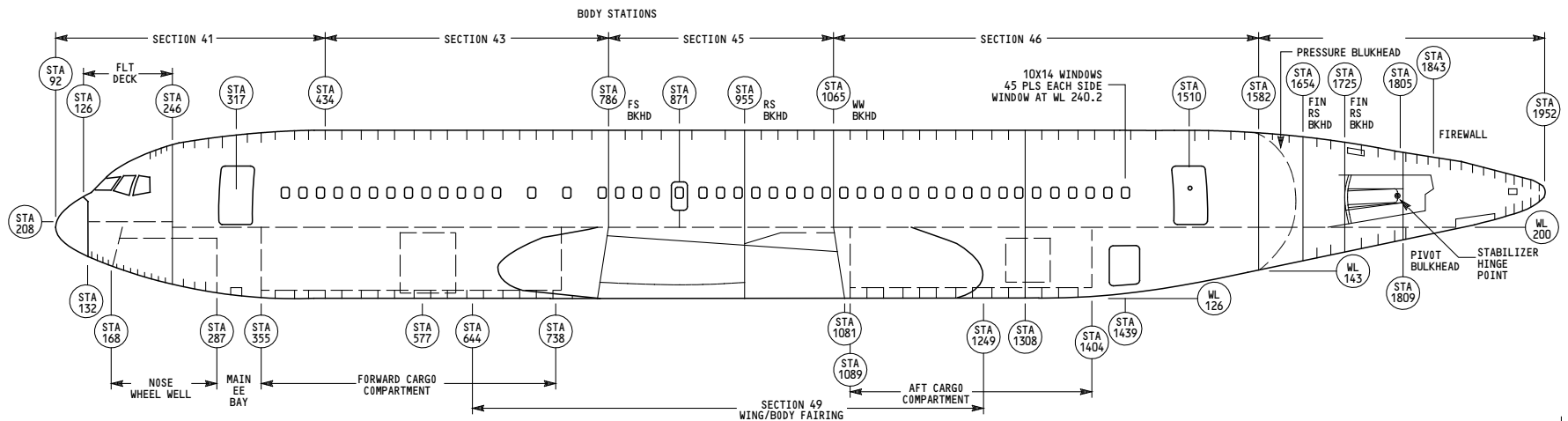
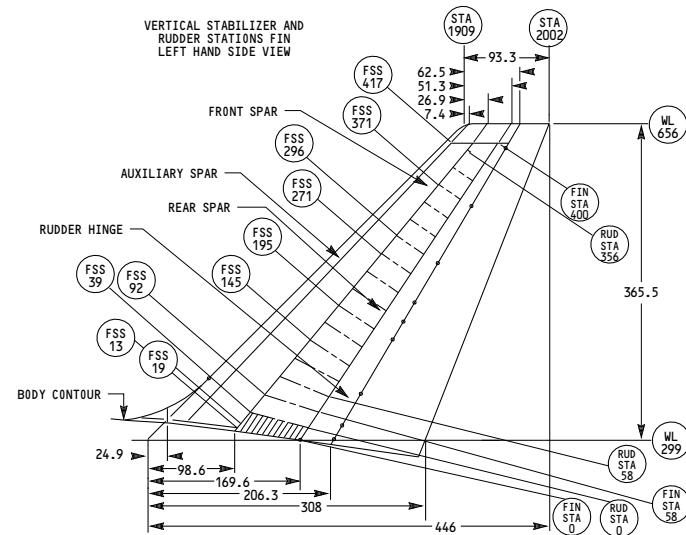
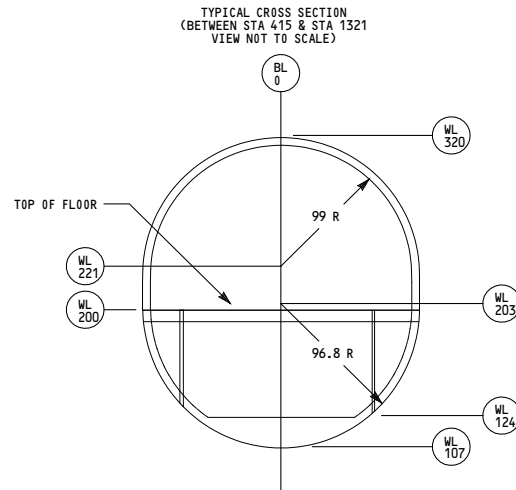
Page 102

Jun 28/2006



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801



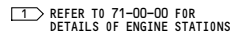
050-099

**AIRPLANE STATIONS - BODY  
WING AND STABILIZERS**

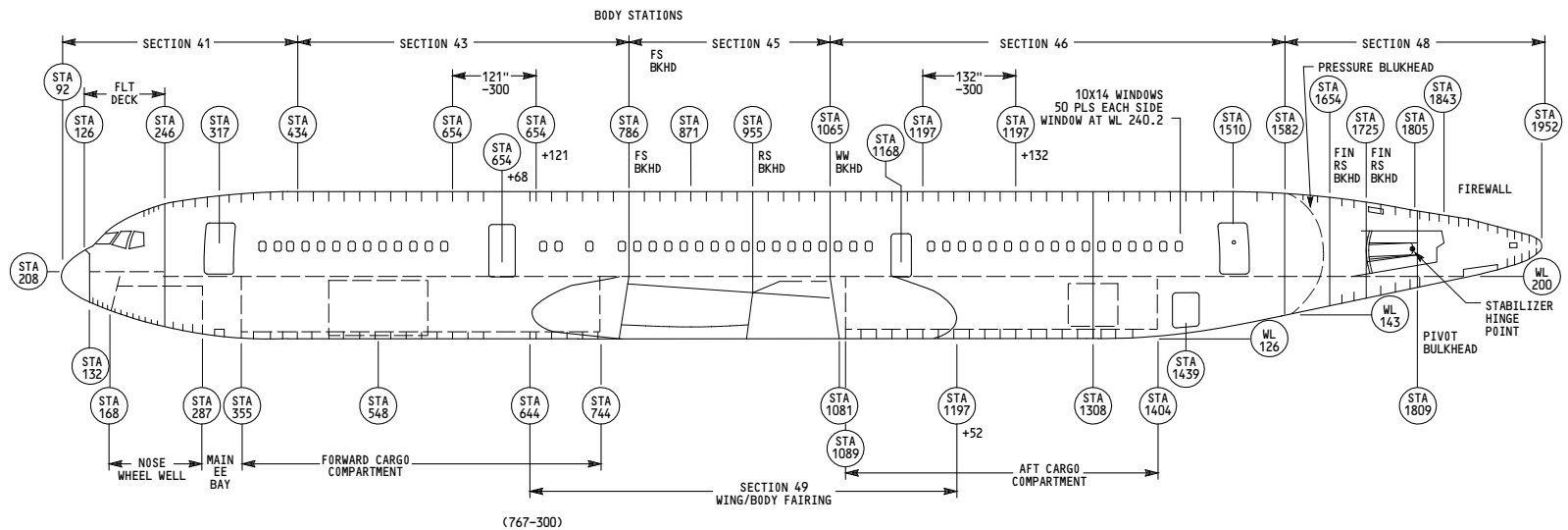
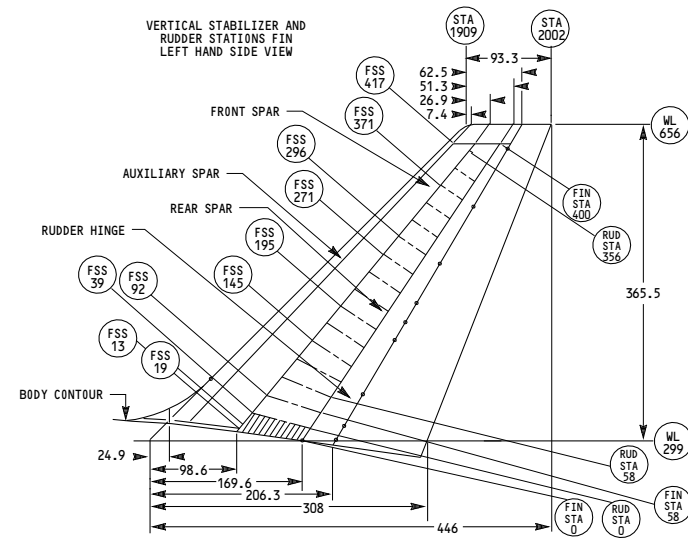
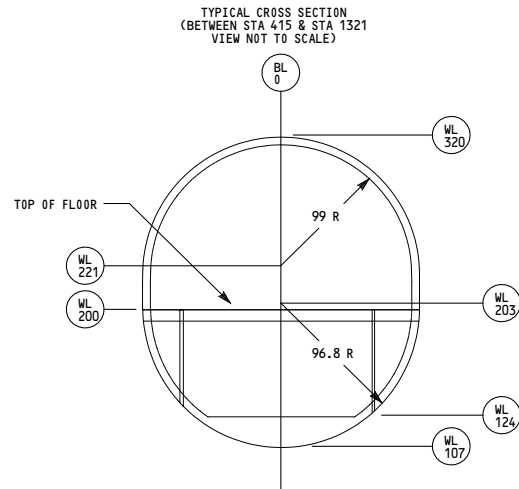
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**00-06-21**

Page 101  
Sheet 1  
Jan 21/2005



D280T232



150-199, 275-299

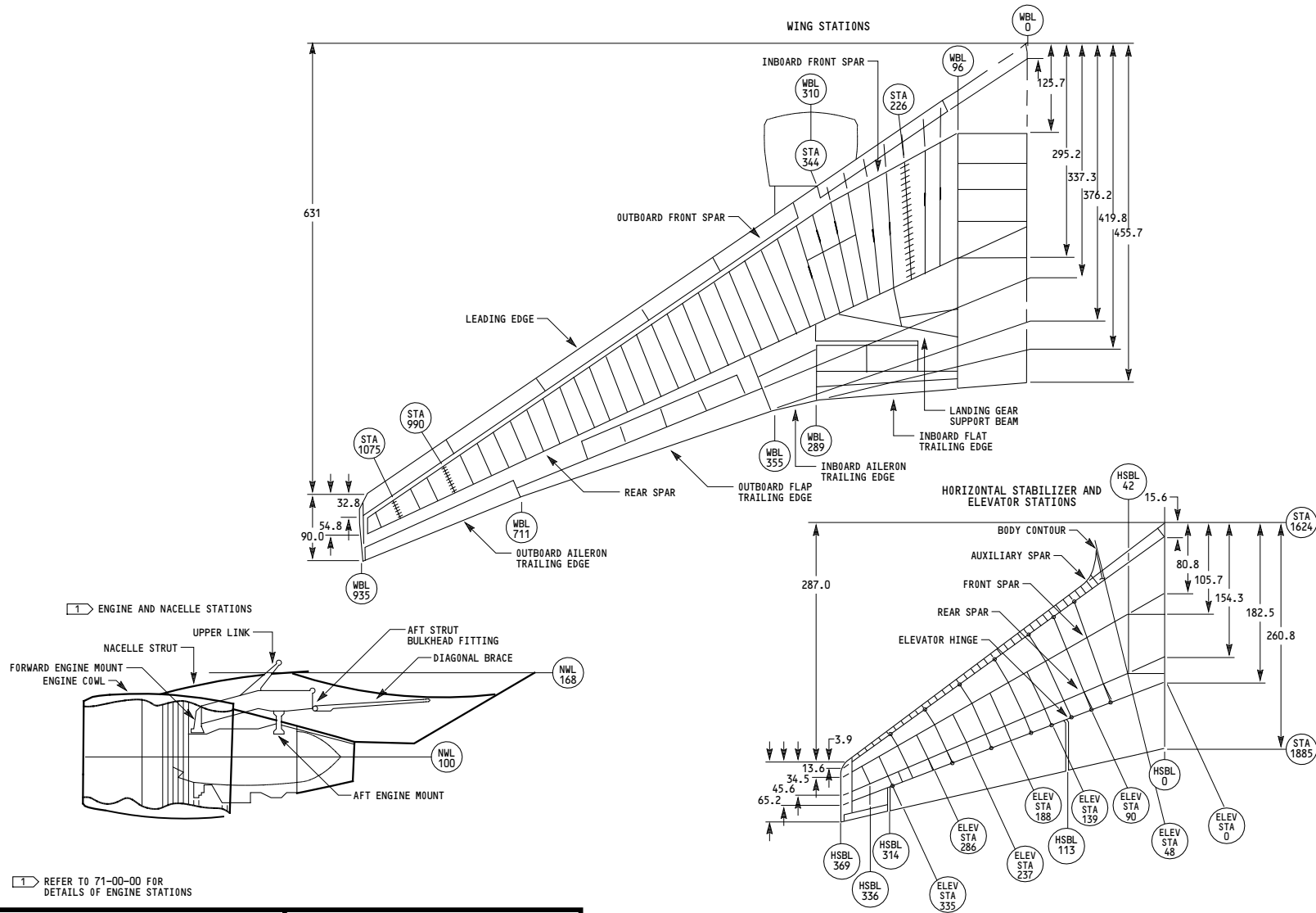
## AIRPLANE STATIONS - BODY WING AND STABILIZERS

D280T232

**00-06-21**

Page 102  
Sheet 1  
Jan 21/2005

801



1 REFER TO 71-00-00 FOR  
DETAILS OF ENGINE STATIONS

150-199, 275-299

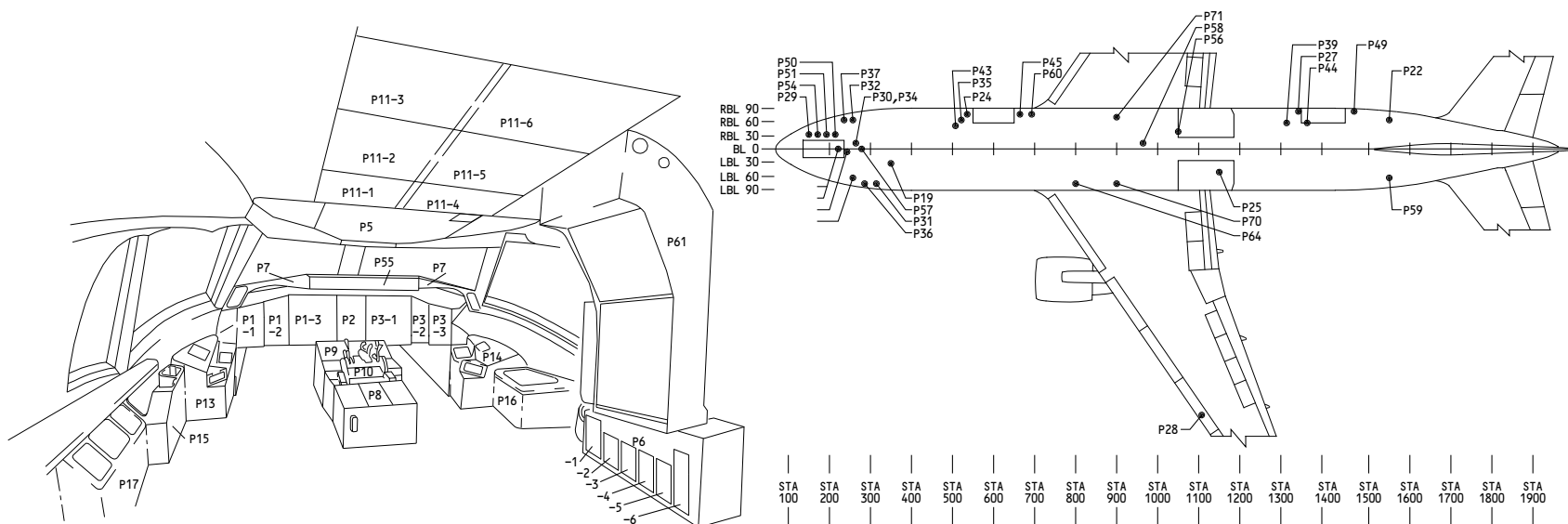
**AIRPLANE STATIONS - BODY  
WING AND STABILIZERS**

D280T232

**00-06-21**

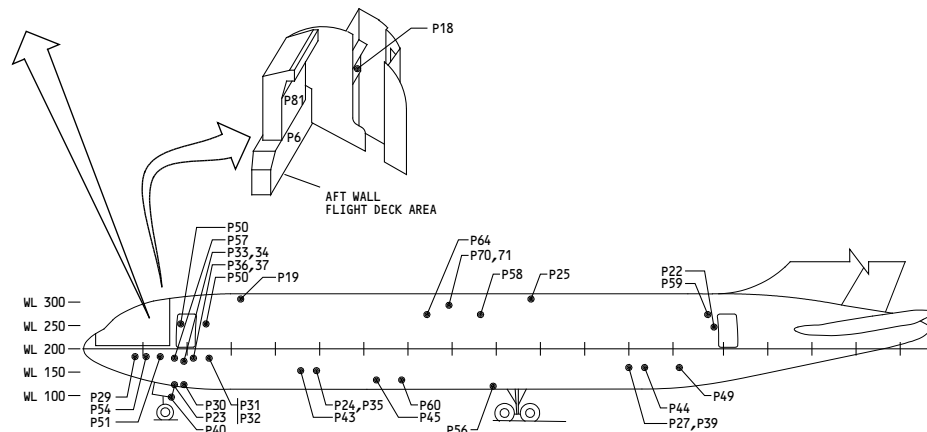
Page 102  
Sheet 2  
Jan 21/2005

804



- P1 CAPTAINS INSTRUMENT
- P2 EICAS DISPLAY
- P3 FIRST OFFICER INSTRUMENT
- P5 PILOTS OVERHEAD
- P6 MAIN POWER DISTRIBUTION
- P7 GLARESHIELD
- P8 AFT PILOTS CONTROL STAND
- P9 FWD ELECTRICAL CONTROL STAND
- P10 QUADRANT STAND
- P11 OVERHEAD CIRCUIT BREAKER
- P13 CAPTAINS AUXILIARY INSTRUMENT (FWD)
- P14 FIRST OFFICERS AUXILIARY INSTRUMENT (FWD)
- P15 CAPTAINS AUXILIARY INSTRUMENT
- P16 FIRST OFFICERS AUXILIARY INSTRUMENT
- P17 FIRST OBSERVER CONSOLE
- P18 SECOND OBSERVER
- P19 FWD LIGHTING DISTRIBUTION
- P21 FWD ATTENDANT
- P22 AFT ATTENDANT
- P23 NOSE GEAR LANDING/TAXI LIGHTS XFMR
- P24 FWD COMPARTMENT CARGO HANDLING CONTROL
- P25 AFT LIGHTING DISTRIBUTION
- P27 AFT COMPARTMENT CARGO HANDLING CONTROL
- P28 FUELING CONTROL
- P29 MASTER DIM & TEST P.C. CARD FILE
- P30 EXTERNAL POWER RECEPTACLE
- P31 LEFT GENERATOR POWER

- P32 RIGHT GENERATOR POWER
- P33 FWD MISCELLANEOUS ELECTRICAL EQUIPMENT
- P34 APU EXTERNAL POWER
- P35 FWD COMPARTMENT CARGO HANDLING ACCESS
- P36 LEFT MISCELLANEOUS ELECTRICAL EQUIPMENT
- P37 RIGHT MISCELLANEOUS ELECTRICAL EQUIPMENT
- P39 AFT COMPARTMENT CARGO HANDLING ACCESS
- P40 APU FIRE SHUTDOWN
- P41 RIGHT FUELING (OPTIONAL RIGHT WING)
- P43 EXTERNAL FWD CARGO DOOR CONTROL
- P44 EXTERNAL AFT CARGO DOOR CONTROL
- P45 REFUELING AUXILIARY RELAY
- P49 APU AUXILIARY
- P50 ELECTRICAL SYSTEMS CARD FILE
- P51 WARNING ELECTRONICS UNIT
- P54 FIRE DETECTION CARD FILE
- P55 CENTER GLARESHIELD
- P56 RIGHT WHEEL WELL SERVICE
- P57 FWD ATTENDANT (GALLEY)
- P58 MID ATTENDANT (GALLEY)
- P59 AFT ATTENDANT (GALLEY)
- P60 BRAKE COOLING CONTROL (WHEN INSTALLED)
- P61 RIGHT SIDE PANEL
- P70 LEFT OFF-WING ESC SYSTEM
- P71 RIGHT OFF-WING ESC SYSTEM



050-099

## PANEL LOCATIONS AND MAJOR EQUIPMENT CENTER

D280T232

00-06-30

Page 101  
Sheet 1  
Jan 21/2005

801

**E1 LEFT-MAIN EQUIPMENT CENTER**

- E1-1 CONTROLS
- E1-2 ELECTRICAL
- E1-3 FLIGHT CONTROLS-LEFT
- E1-4 FLIGHT CONTROLS-CENTER
- E1-5 FLIGHT CONTROLS-RIGHT
- E1-6 INERTIAL REFERENCE UNIT

**E2 RIGHT-MAIN EQUIPMENT CENTER**

- E2-1 CONTROLS
- E2-2 FLIGHT MANAGEMENT
- E2-3 FLIGHT MANAGEMENT
- E2-4 ELECTRICAL
- E2-5 COMMUNICATION AUDIO
- E2-6 HIGH FREQUENCY

**E3 FWD EQUIPMENT CENTER RIGHT**

- E3-1 ENVIRONMENTAL CONTROL SYSTEM
- E3-2 TRANSFORMER RECTIFIER UNIT & INVERTER
- E3-3 BATTERY CHARGER

**E5 MID EQUIPMENT CENTER**

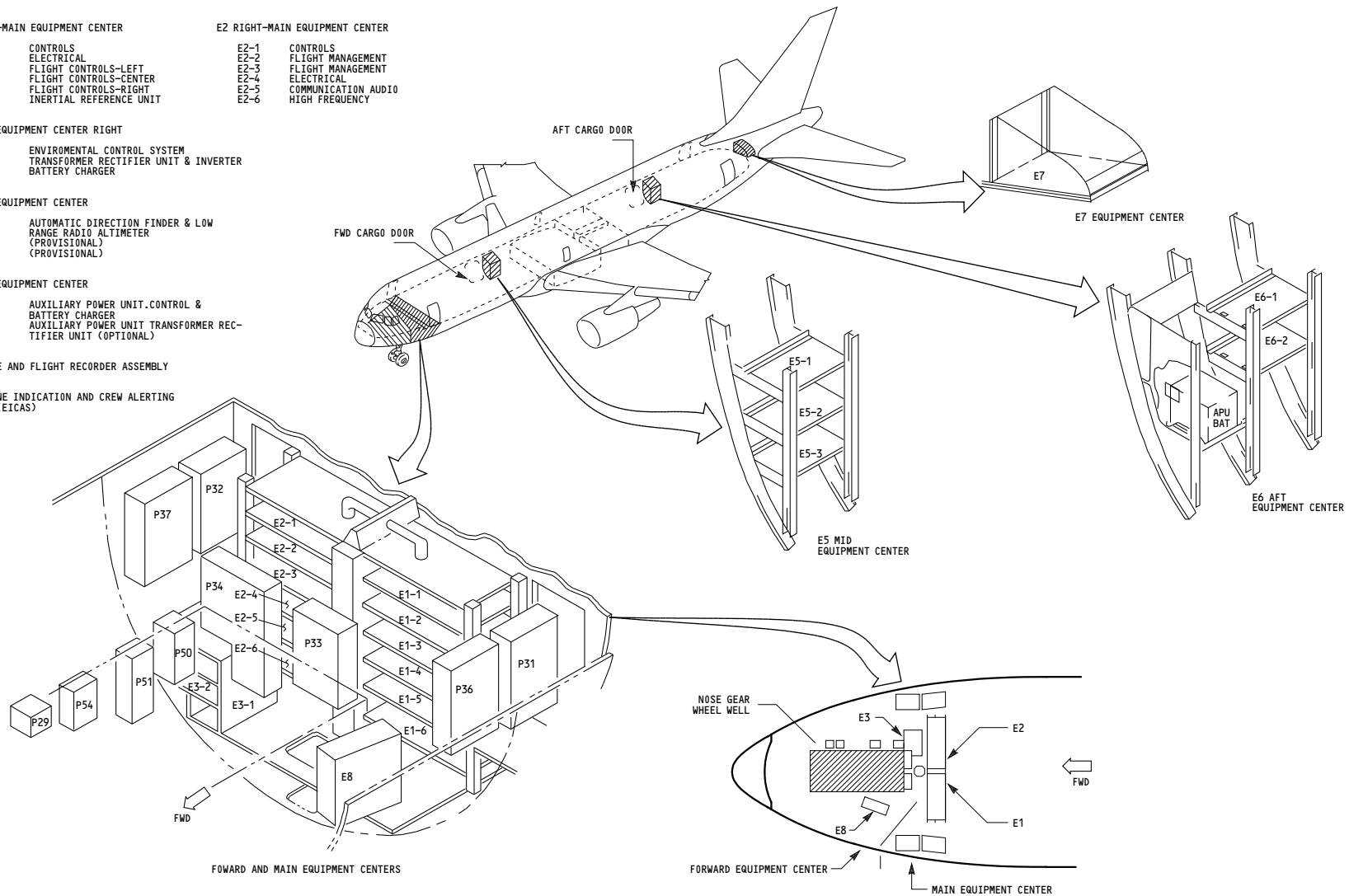
- E5-1 AUTOMATIC DIRECTION FINDER & LOW RANGE RADIO ALTIMETER
- E5-2 (PROVISIONAL)
- E5-3 (PROVISIONAL)

**E6 AFT EQUIPMENT CENTER**

- E6-1 AUXILIARY POWER UNIT CONTROL & BATTERY CHARGER
- E6-2 AUXILIARY POWER UNIT TRANSFORMER RECTIFIER UNIT (OPTIONAL)

**E7 VOICE AND FLIGHT RECORDER ASSEMBLY**

**E8 ENGINE INDICATION AND CREW ALERTING SYSTEM (EICAS)**



050-099

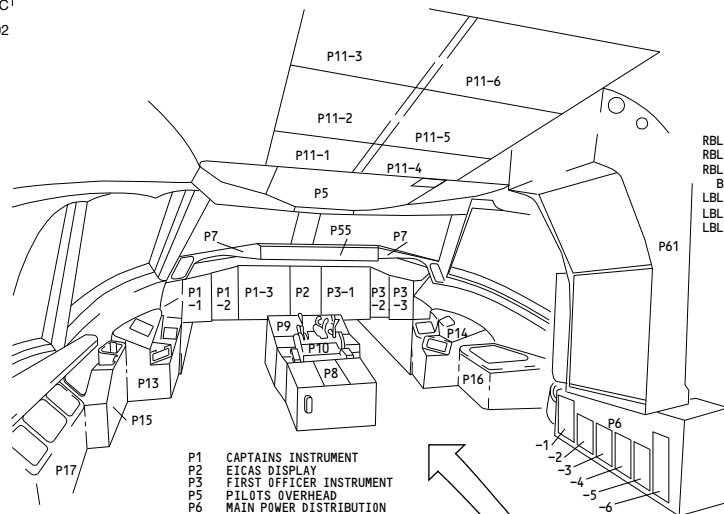
**PANEL LOCATIONS AND  
MAJOR EQUIPMENT CENTER**

D280T232

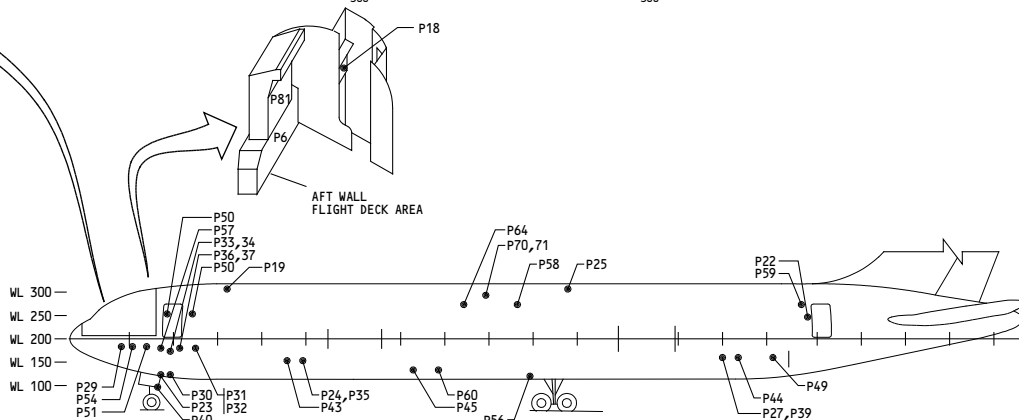
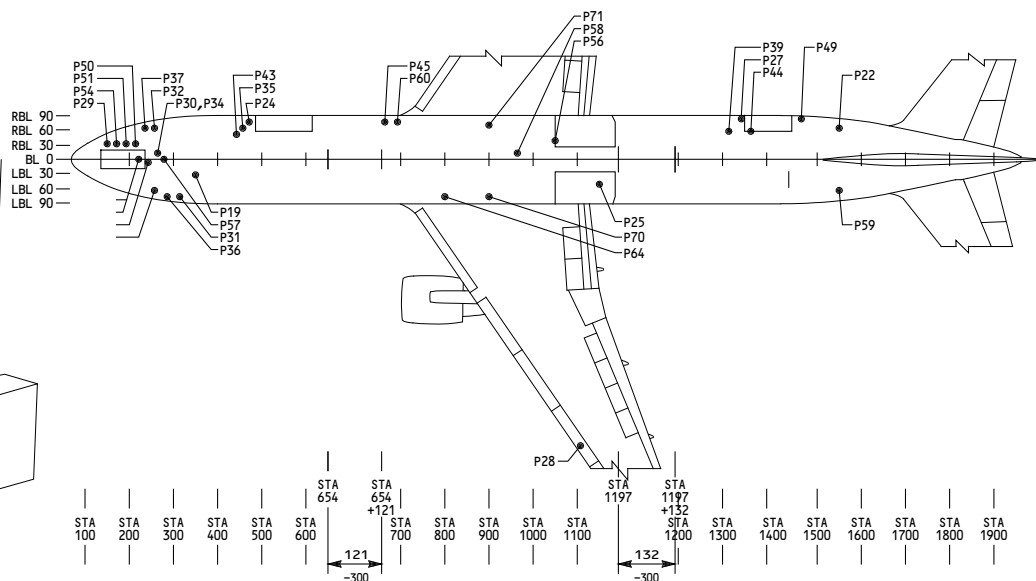
**00-06-30**

Page 101  
Sheet 2  
Jan 21/2005

-C  
802



- P1 CAPTAINS INSTRUMENT
- P2 EICAS DISPLAY
- P3 FIRST OFFICER INSTRUMENT
- P4 PILOTS OVERHEAD
- P5 MAIN POWER DISTRIBUTION
- P6 GLARESHIELD
- P7 AFT PILOTS CONTROL STAND
- P8 FWD ELECTRICAL CONTROL STAND
- P9 QUADRANT STAND
- P10 OVERHEAD CIRCUIT BREAKER
- P11 CAPTAINS AUXILIARY INSTRUMENT (FWD)
- P13 FIRST OFFICERS AUXILIARY INSTRUMENT (FWD)
- P14 CAPTAINS AUXILIARY INSTRUMENT
- P15 FIRST OFFICERS AUXILIARY INSTRUMENT
- P16 FIRST OBSERVER CONSOLE
- P17 SECOND OBSERVER
- P18 FWD LIGHTING DISTRIBUTION
- P19 FWD ATTENDANT
- P21 AFT ATTENDANT
- P22 NOSE GEAR LANDING/TAXI LIGHTS XFMR
- P23 FWD COMPARTMENT CARGO HANDLING CONTROL
- P24 AFT LIGHTING DISTRIBUTION
- P25 AFT COMPARTMENT CARGO HANDLING CONTROL
- P27 FUELING CONTROL
- P28 MASTER DIM & TEST P.C. CARD FILE
- P29 EXTERNAL POWER RECEPTACLE
- P30 LEFT GENERATOR POWER
- P31 RIGHT GENERATOR POWER
- P32 FWD MISCELLANEOUS ELECTRICAL EQUIPMENT
- P33 APU EXTERNAL POWER
- P34 FWD COMPARTMENT CARGO HANDLING ACCESS
- P35 LEFT MISCELLANEOUS ELECTRICAL EQUIPMENT
- P36 RIGHT MISCELLANEOUS ELECTRICAL EQUIPMENT
- P37 AFT COMPARTMENT CARGO HANDLING ACCESS
- P39 APU FIRE SHUTDOWN
- P41 RIGHT FUELING (OPTIONAL RIGHT WING)
- P43 EXTERNAL FWD CARGO DOOR CONTROL
- P44 EXTERNAL AFT CARGO DOOR CONTROL
- P45 REFUELING AUXILIARY RELAY
- P49 APU AUXILIARY
- P50 ELECTRICAL SYSTEMS CARD FILE
- P51 WARNING ELECTRONICS UNIT
- P54 FIRE DETECTION CARD FILE
- P55 CENTER GLARESHIELD
- P56 RIGHT WHEEL WELL SERVICE
- P57 FWD ATTENDANT (GALLEY)
- P58 MID ATTENDANT (GALLEY)
- P59 AFT ATTENDANT (GALLEY)
- P60 BRAKE COOLING CONTROL (WHEN INSTALLED)
- P61 RIGHT SIDE PANEL
- P64 MID ATTENDANT OVHD PANEL
- P70 LEFT OFF-WING ESC SYSTEM
- P71 RIGHT OFF-WING ESC SYSTEM



150-199, 275-299

## PANEL LOCATIONS AND MAJOR EQUIPMENT CENTER

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Page 102  
Sheet 1  
Jan 21/2005



