

CHAPTER

00

GENERAL

CHAPTER 00
GENERAL

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
00-EFFECTIVE PAGES									
		1		Jun 21/2016					
		2		BLANK					
00-CONTENTS									
R		1		Jun 21/2016					
		2		BLANK					
00-ALPHABETICAL INDEX									
		1		Nov 18/2013					
		2		BLANK					
00-00-00									
R		101	1	Jun 21/2016					
R			2	Jun 21/2016					
00-06-21									
R		101	1	Jun 21/2016					
R			2	Jun 21/2016					
R			3	Jun 21/2016					
00-06-30									
R		101		Jun 21/2016					
00-12-00									
R		101	1	Jun 21/2016					
R			2	Jun 21/2016					

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

00-EFFECTIVE PAGES

Page 1
Jun 21/2016

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CHAPTER 00
GENERAL

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<u>SYMBOLS</u>						
SYMBOLS	00-00-00		101	1	Jun 21/2016	ALL
				2	Jun 21/2016	ALL
<u>DIMENSION AND EQUIPMENT LOCATION</u>						
AIRPLANE STATION	00-06-21		101	1	Jun 21/2016	ALL
				2	Jun 21/2016	ALL
				3	Jun 21/2016	ALL
MAJOR EQUIPMENT CENTERS	00-06-30		101		Jun 21/2016	ALL
<u>GROUND SERVICE ACCESS PANELS</u>						
GROUND SERVICE ACCESS PANELS	00-12-00		101	1	Jun 21/2016	ALL
				2	Jun 21/2016	ALL



CHAPTER 00
GENERAL

CH-SC-SU	Title
00-06-21	AIRPLANE STATION
00-12-00	GROUND SERVICE ACCESS PANELS
00-06-30	MAJOR EQUIPMENT CENTERS
00-00-00	SYMBOLS

CH-SC-SU	Title
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00-ALPHABETICAL INDEX

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MECHANICAL SYMBOLS

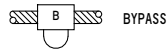
FILTERS



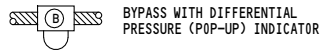
NON-BYPASS



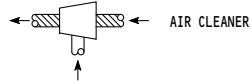
NON-BYPASS WITH MAGNETIC DRAIN PLUG



BYPASS

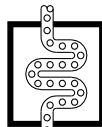


BYPASS WITH DIFFERENTIAL PRESSURE (POP-UP) INDICATOR



AIR CLEANER

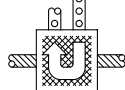
HEAT EXCHANGERS



COIL TYPE-AIR COOLED



SCREEN TYPE-AIR COOLED



SCREEN TYPE-FLUID COOLED

MISCELLANEOUS MECHANICAL



CAP OR SEALING PLUG



FLUID FUSE



ACCUMULATOR OR TRANSFER TUBE

MISCELLANEOUS MECHANICAL (CONT)



DISCONNECT OR SIMPLE SWIVEL



SPRING



MOVABLE PIVOT OR BEARING



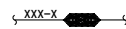
STRUCTURAL (FIXED) PIVOT OR BEARING



RIGGING PIN FLAG NOTE WITH PIN IDENTIFICATION NUMBER



SHEAR RIVET OR PIN FLAG NOTE



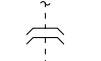
CONTROL CABLE WITH IDENTIFICATION NUMBER AND TURNBUCKLE



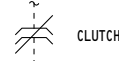
MANUAL CONTROL-WHEN USED IN CONNECTION WITH A VALVE SYMBOL, DESIGNATES A POSITION INDICATOR WHICH MAY BE USED FOR MANUAL OVERRIDE.



GEAR BOX



DISENGAGED

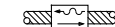


ENGAGED

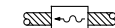
RESTRICTORS



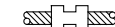
TWO WAY



ONE WAY

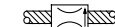


CHECKED

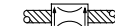


PRESSURE REDUCER (PRESSURE IS REDUCED IN DIRECTION OF ARROW)

FLOW REGULATORS



ONE WAY



TWO WAY

SENSORS



PRESSURE

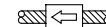


TEMPERATURE



PRESSURE DIFFERENTIAL

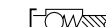
VALVES-FLUID OR PNEUMATIC



CHECK

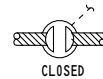


RELIEF

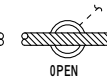


CHARGING WITH CAP

VALVES-FLUID

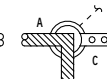
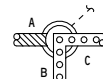


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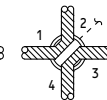
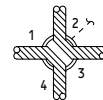


OPEN

TWO PORTED-TWO POSITION

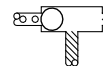


THREE PORTED-TWO POSITION *

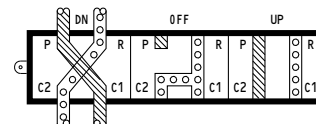


FOUR PORTED-TWO POSITION *

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

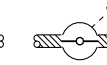
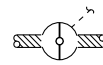


SHUTTLE

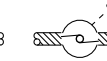
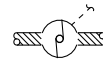


FOUR PORTED-THREE POSITION SELECTOR (TYP)

VALVES-PNEUMATIC



TWO PORTED-TWO POSITION



TWO PORTED-MODULATING



THERMOSTAT

ALL

SYMBOLS

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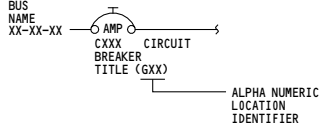
Page 101
Sheet 1
Jun 21/2016

ELECTRICAL OR ELECTRONIC SYMBOLS

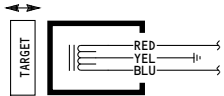
AMPLIFIERS



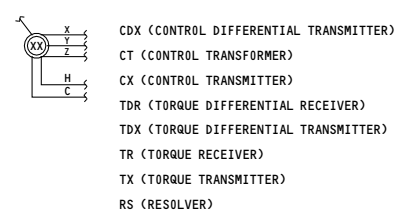
CIRCUIT BREAKER



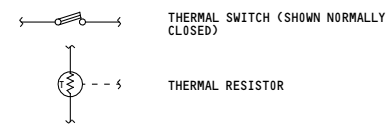
PROXIMITY SWITCH



SYNCHRO



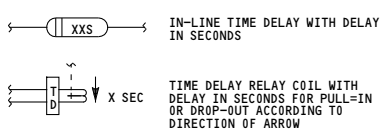
THERMAL DEVICES



FLAGNOTES

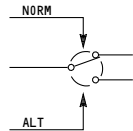
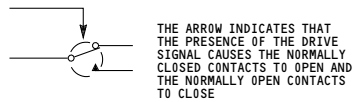
- CUSTOMER ORIGINATED MATERIAL INCORPORATED INTO THE MANUAL AT CUSTOMER REQUEST (SEE INTRODUCTION PAGE 1).*
- THE SERVICE BULLETIN LISTED ADJACENT TO THE FLAGNOTE HAS BEEN INCORPORATED INTO THIS SCHEMATIC IN EITHER THE DUAL OR THE FINAL CONFIGURATION, ACCORDING TO CUSTOMER REQUEST. *
- SEE THE SERVICE BULLETIN AND MODIFICATION INDEX FOR INCORPORATION DATES AND CONFIGURATION INFORMATION.

TIME DELAYS

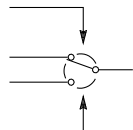


ELECTRONIC SWITCHES

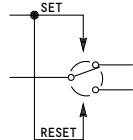
SOLID STATE SWITCHES ARE SHOWN USING CONVENTIONAL SWITCHING SYMBOLOLOGY:



THIS SYMBOL MAY BE USED TO SHOW STABLE SWITCHING OF ONE INPUT TO TWO OUTPUTS WITH TWO INPUT COMMAND SIGNALS

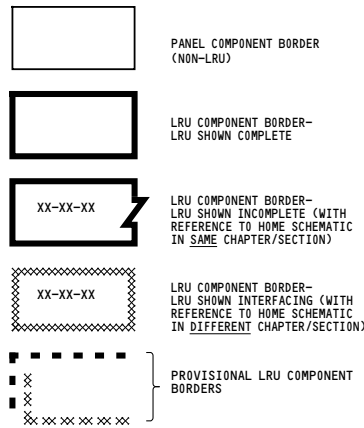


THIS SYMBOL MAY BE USED TO SHOW STABLE SWITCHING OF TWO INPUTS TO ONE OUTPUT WITH TWO COMMAND SIGNALS

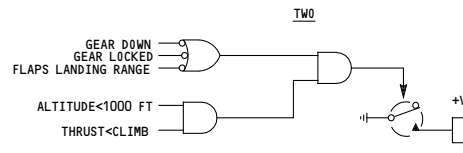
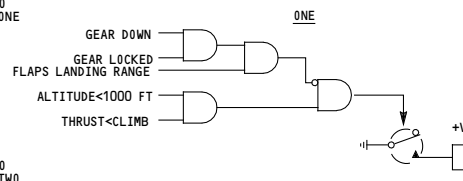


THIS SYMBOL MAY BE USED TO SHOW ALTERNATE ACTION SWITCHING WITH A SINGLE PULSE INPUT COMMAND. IT MAY ALSO BE REVERSED LEFT TO RIGHT IF REQUIRED TO SHOW THE SWITCHING FUNCTION

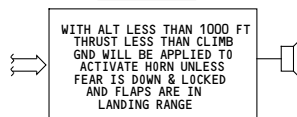
LRU COMPONENT/IDENTIFICATION
















LOGIC DIAGRAMS



WORD STATEMENT



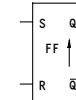
EQUIVALENT LOGIC FUNCTIONS

AND/NAND GATES	OR/NOR GATES	TRUTH TABLE			
		A	B	X	
		1	1	1	
		1	0	0	
		0	0	0	
		1	1	0	
		1	0	1	
		0	0	1	
		1	1	0	
		1	0	0	
		0	0	1	
		1	1	1	
		1	0	1	
		0	1	1	
		0	0	0	
		1	1	1	
		1	0	1	
		0	1	0	
		0	0	1	
		1	1	0	
		1	0	1	
		0	1	1	
		0	0	1	
EXCLUSIVE OR GATE			1	1	0
			1	0	1
			0	1	1
			0	0	0

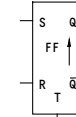
FLIP FLOPS

↑ RISING EDGE TRIGGERED

IF BOTH S & R GO HI SIMULTANEOUSLY. OUTPUT REMAINS UNCHANGED. S/R FLIP FLOPS RETAIN PWR DOWN STATE IF NOT RESET AT PWR UP.



IF S GOES HI, Q=1 & Q̄=0
IF R GOES HI, Q=0 & Q̄=1



IF S GOES HI, Q=1 & Q̄=0
IF R GOES HI, Q=0 & Q̄=1
IF S=0 & R=0 & T GOES HI, Q & Q̄ WILL TOGGLE.

ALL

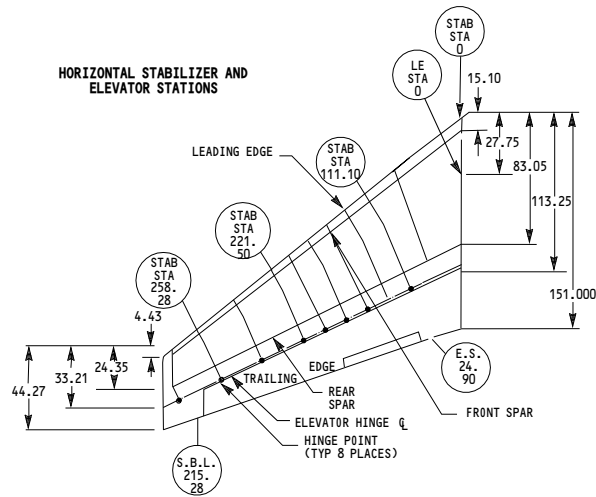
SYMBOLS

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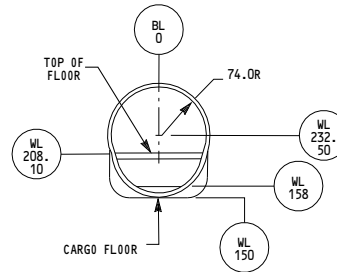
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Page 101
Sheet 2
Jun 21/2016

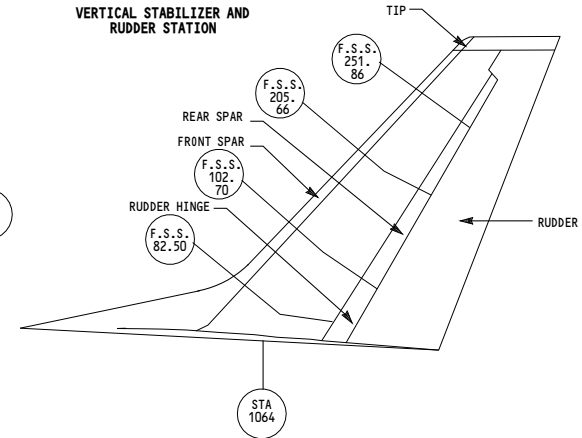
1



TYPICAL CROSS SECTION

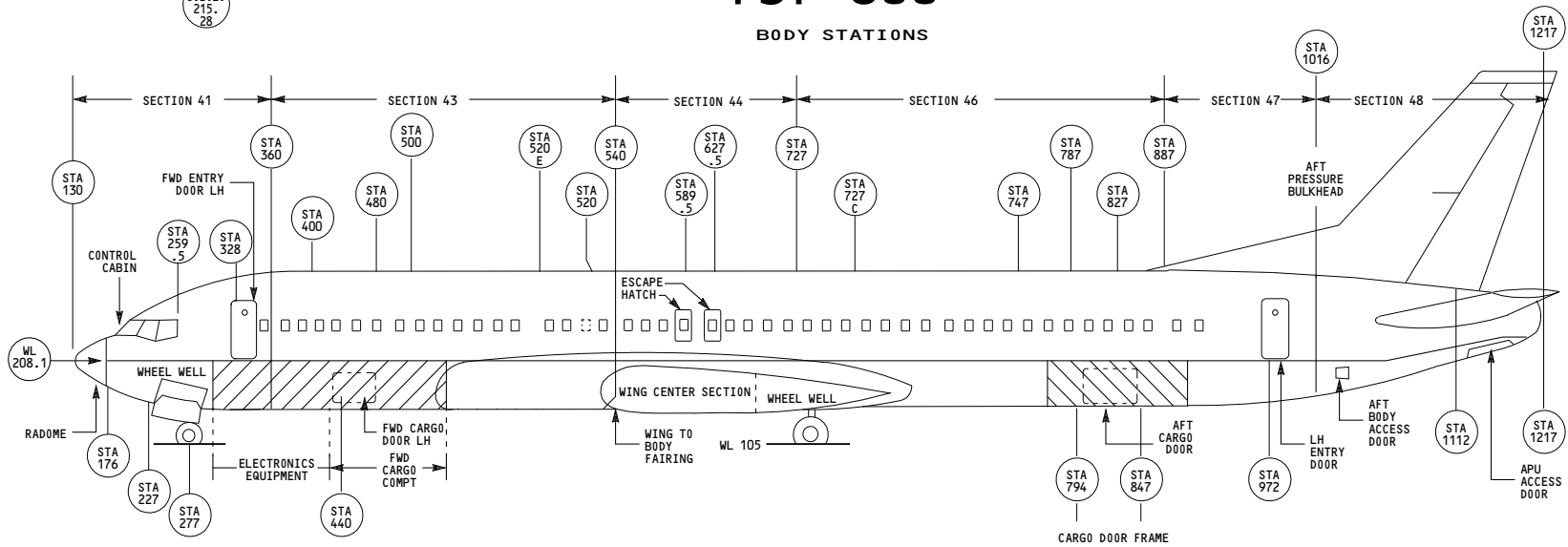


VERTICAL STABILIZER AND RUDDER STATION



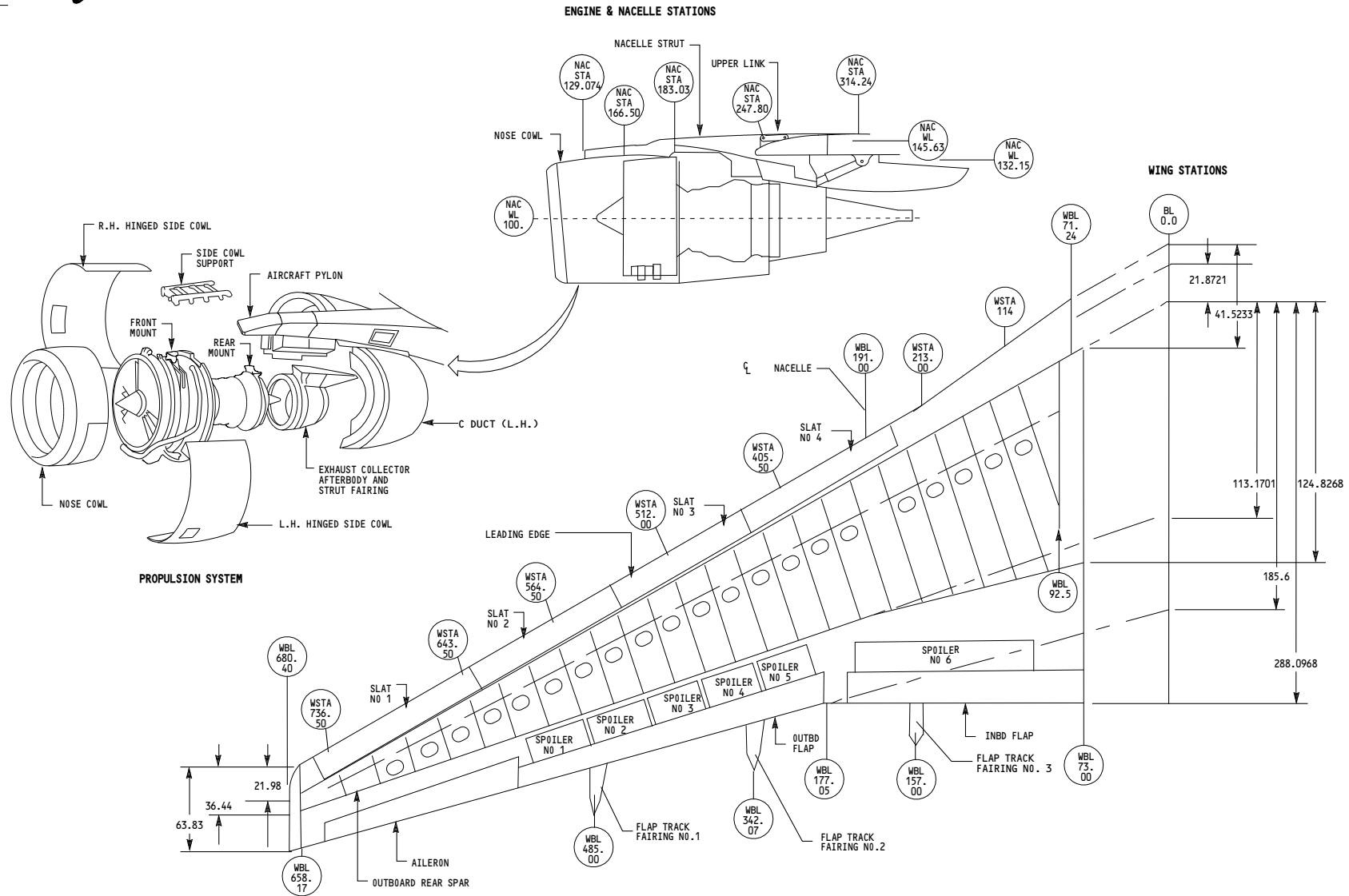
737-800

BODY STATIONS



ALL	AIRPLANE STATION
	D280A451

00-06-21



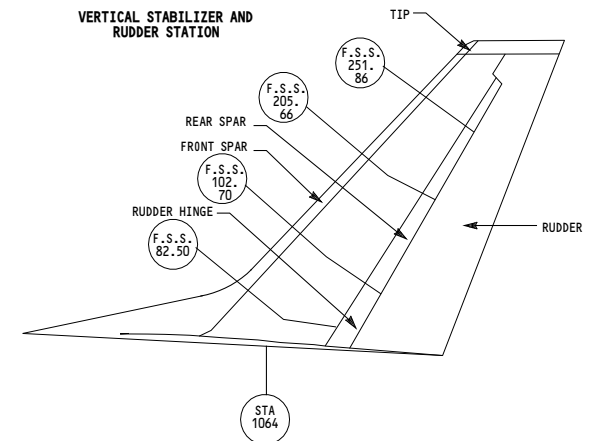
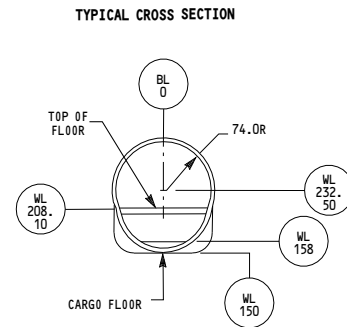
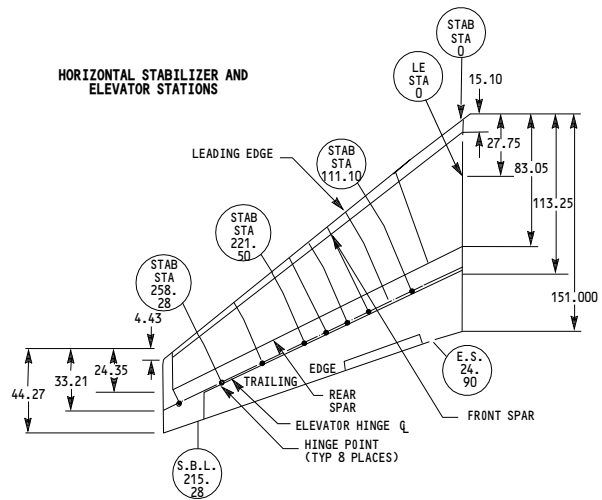
ALL

AIRPLANE STATION

D280A451

00-06-21

Page 101
Sheet 2
Jun 21/2016



ALL

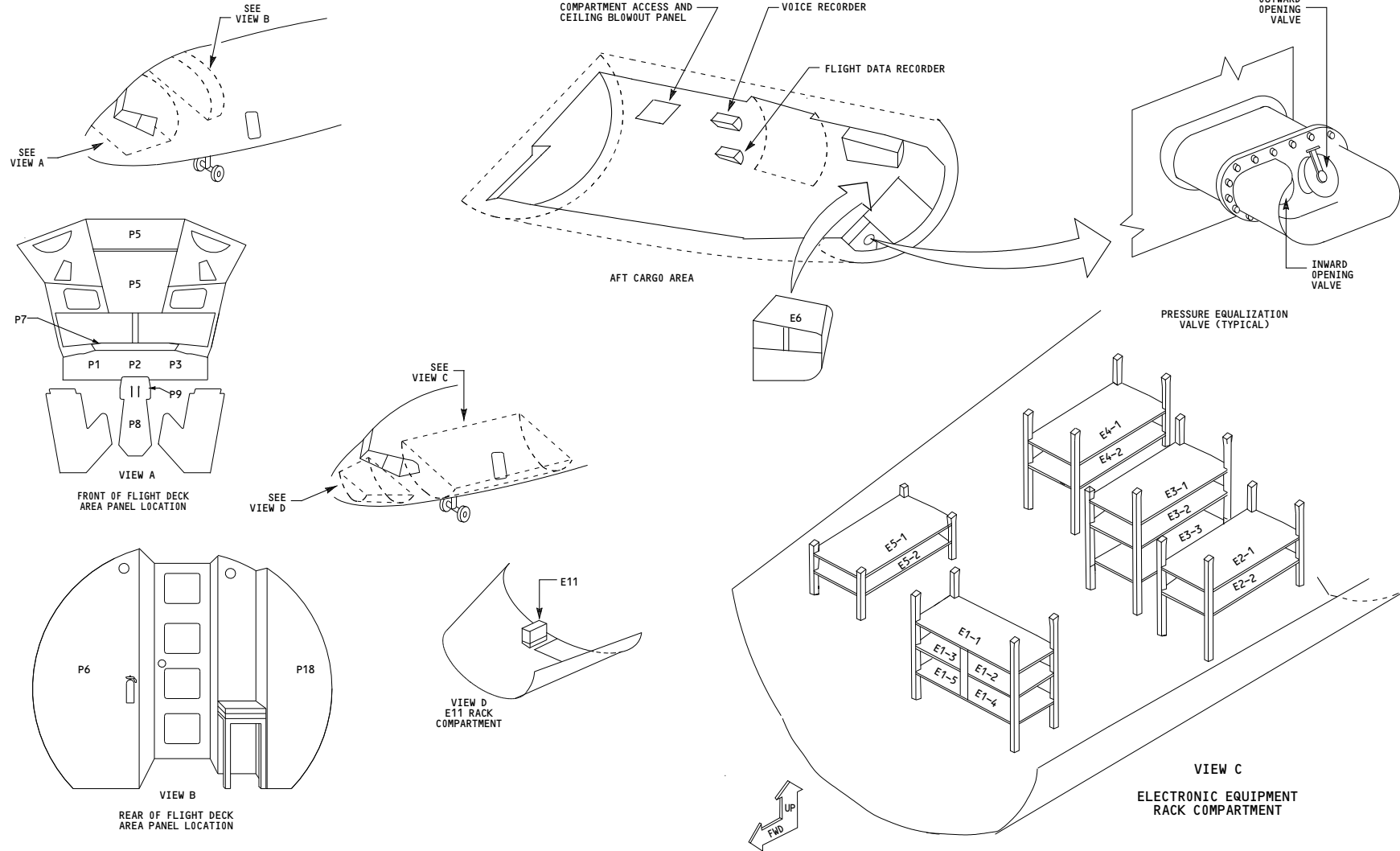
AIRPLANE STATION

D280A451

00-06-21

Page 101
Sheet 3
Jun 21/2016

-B
1



ALL

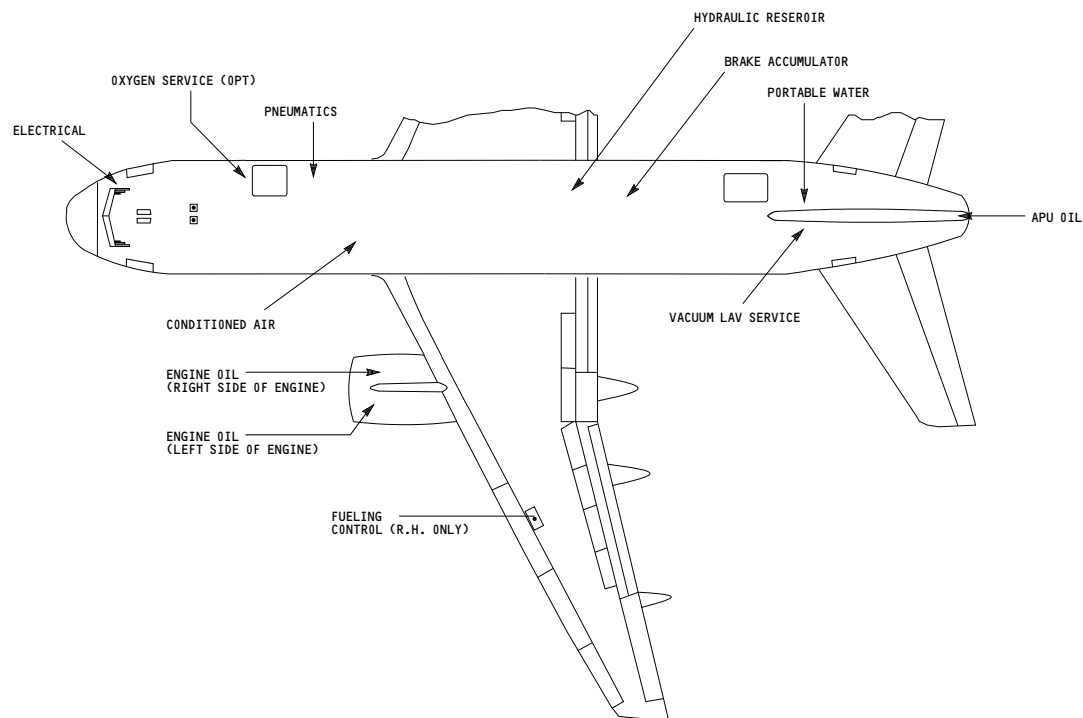
MAJOR EQUIPMENT CENTERS

D280A451

00-06-30

Page 101

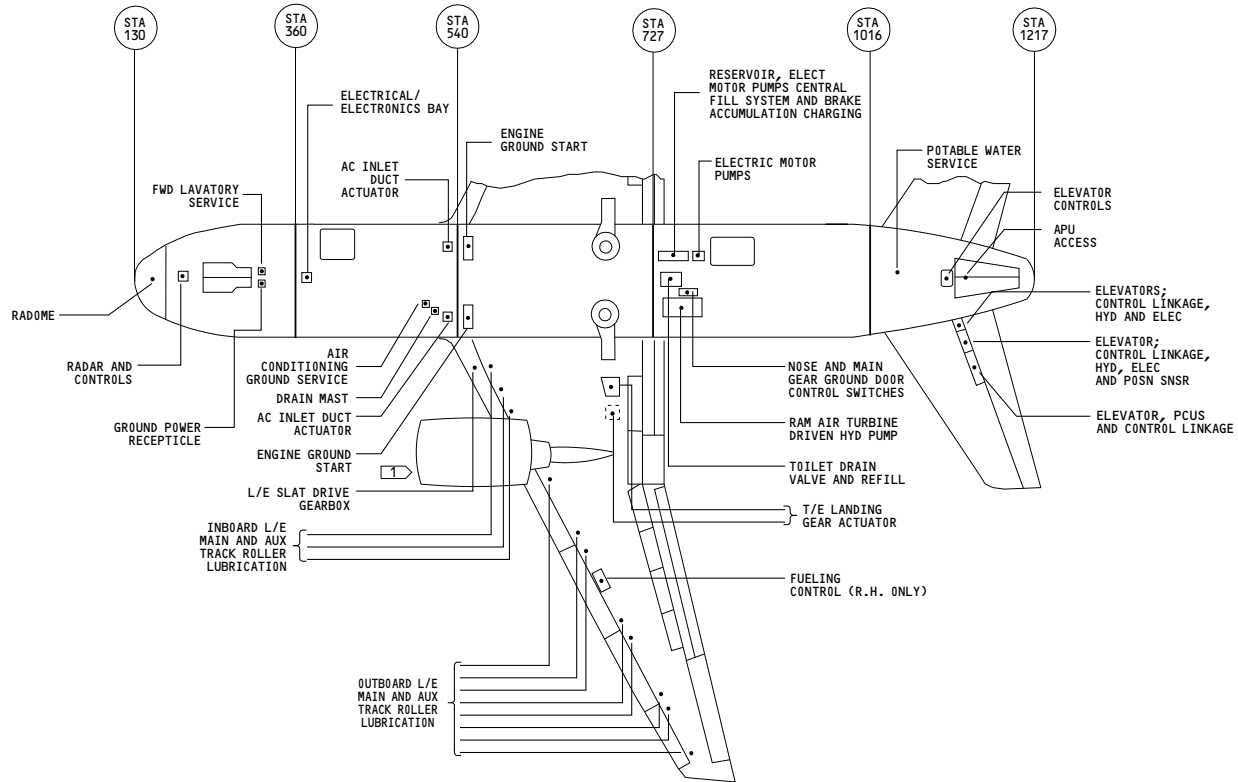
Jun 21/2016



ALL	GROUND SERVICE ACCESS PANELS
	D280A451

00-12-00

Page 101
Sheet 1
Jun 21/2016



NOTE:
 VIEW FROM BOTTOM LOOKING UP.
 1 SEE 71-00-00 FOR VIEW OF POWER PLANT/NACELLE STRUT SERVICE ACCESS PANELS

ALL	GROUND SERVICE ACCESS PANELS
	D280A451

00-12-00

Page 101
 Sheet 2
 Jun 21/2016