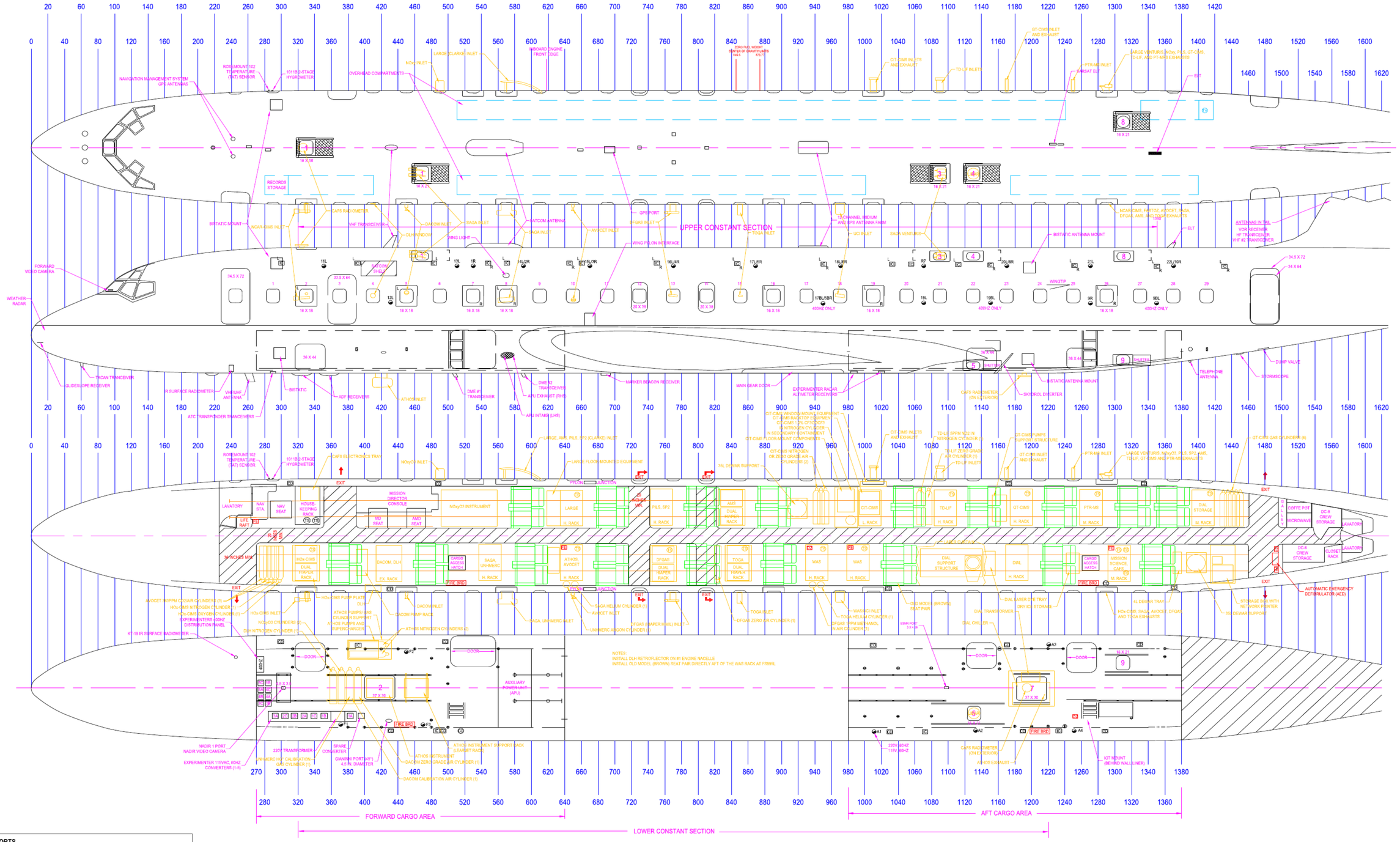
REVISION HISTORY				
SYM	ZONE	DESCRIPTION	DATE	APPROVAL



Draft 11/02/2007

PASSENGER PORTS

PORT	PROBE/FAIRING/WINDOW	P.I. NAME	DRAWING/SN
FS330L	HOx-CIMS INLET/EQUIPMENT	CANTRELL	NSERC DC800006
FS410L	DLH, STANDARD PASSENGER WINDOW	DISKIN	NSERC DC800007
FS450L	DACOM INLET	DISKIN	GSFC 2059775
FS570L	SAGA, UNHMERC INLET	DIBB/TALBOT	GSFC 2053335
FS650L	AVOCET INLET	VAY	NSERC DC800008
FS770L	DFGAS INLET	FRIED	NSERC DC800009
FS850L	TOGA INLET	APEL	NSERC DC800010
FS970L	WAS (UCI) INLET	BLAKE	GSFC 2053338
FS1250L	COMMUNITY EXHAUST	VARIOUS	GSFC 2053341
FS490R	NOxyO3 INLET	WEINHEIMER	NSERC DC800011
FS570R	LARGE, AMS, PILS, SP2 SUPPORT	ANDERSON	NSERC DC800012
FS910R	LARGE, AMS, PILS, SP2 INLET	ANDERSON	NSERC DC800012
FS1010R	CIT-CIMS INLETS AND EXHAUST	WEINBERG	GSFC 2053343
FS1090R	TD-LIF INLET	COHEN	GSFC 2087098
FS1170R	GT-CIMS INLET AND EXHAUST	HUEY	NSERC DC800013
FS1250R	PTR-MS INLET	WISTHALER	NSERC DC800014
FS1290R	COMMUNITY EXHAUST	VARIOUS	GSFC 2053344

OTHER PORTS/PODS

PORT	PROBE/FAIRING/WINDOW	P.I. NAME	DRAWING/SN
ZENITH #1	CAFS, IRIDIUM ANTENNA PLATE	SHETTER	NSERC DC800015
NADIR #2	ATHOS INLET	BRUNE	NSERC DC800016
NADIR #7	CAFS, ATHOS EXHAUST PLATE	VARIOUS	NSERC DC800017
62" #1	SAGA INLETS	DIBB	ARC S237470
62" #3	SAGA VENTURI EXHAUSTS	DIBB	GSFC 2053347
62" #4	DIAL WINDOW	HAIR (BROWELL)	S/N 8705
NADIR #5	DIAL WINDOW	HAIR (BROWELL)	S/N 8708
R. OB. POD	BALLAST	N/A	
R. IB. POD	LARGE PMS PROBE	ANDERSON	
L. IB. POD	LARGE PMS PROBE	ANDERSON	
L. OB. POD	BALLAST	N/A	
-	DIAL/LASE WINDOW SPARE	HAIR (BROWELL)	S/N 11FR

OTHER NON-STANDARD INSTALLATIONS

LOCATION	DESCRIPTION	P.I. NAME	DRAWING/SN
FS305L	HOx-CIMS HIAPER RACK/EQUIPMENT	CANTRELL	NSERC DC800018
FS395L	DACOM PUMP RACK	DISKIN	GSFC 2087141
FS430L	DACOM EXPERIMENTER RACK	DISKIN	ARC S237358
FS460L	OVERHEAD DISPLAY INSTALLATION	DISKIN	NSERC DC800023
FS625L	AVOCET FLOOR-MOUNT EQUIP.	VAY	GSFC 2087092
FS760L	DFGAS DUAL HIAPER RACK	FRIED	NSERC DC800002
FS850L	TOGA DUAL HIAPER RACK	APEL	NSERC DC800002
FS1100L	DIAL SUPPORT STRUCTURE	HAIR (BROWELL)	GSFC 2087138
FS1150L	DIAL LASER DYE SUPPORT TRAY	HAIR (BROWELL)	GSFC 2087139
FS1250L	DRY ICE STORAGE	DIBB/WEINHEIMER	GSFC 548-STR-0013
FS1375L	4L DEWAR RACK	APEL/DISKIN/WENNBERG	GSFC 548-STR-0034
FS1395L	35L DEWAR SUPPORT	APEL/DISKIN/WENNBERG	ARC S237671
FS525R	NOxyO3 INSTRUMENT SUPPORT	WEINHEIMER	NSERC DC800019
FS625R	LARGE NEPHELOMETERS	ANDERSON	GSFC 2087091
FS760R	AMS DUAL HIAPER RACK	JIMENEZ	NSERC DC800002
FS915R	35L DEWAR SUPPORT	APEL/DISKIN/WENNBERG	ARC S237671
FS1010R	CIT-CIMS INSTRUMENT INSTALLATION	WENNBERG	GSFC 2093350
FS1190R	GT-CIMS PUMPS SUPPORT STRUCTURE	HUEY	NSERC DC800020
FS430 FCP	ATHOS INSTRUMENT	BRUNE	NSERC DC800021
FS420R FCP	ATHOS PUMP/GAS CYLINDER SUPPORT	BRUNE	ARC S238119
FS465 FCP	ATHOS LEAR JET RACK	BRUNE	NSERC DC800022
FS1200 ACP	DIAL CHILLER AND TRANSFORMER	BROWELL	GSFC 2087140

RACK INFORMATION

LOCATION	TYPE	EXPERIMENT	CENTER	P.I. NAME
FS330L	D. HIAPER	HOx-CIMS	NCAR	CANTRELL
FS430L	EX	DACOM/DLH	LaRC	DISKIN
FS550L	HIGH	SAGA/UNHMERC	UNH	DIBB/TALBOT
FS650L	HIGH	ATHOS/AVOCET	PSU/LaRC	BRUNE/VAY
FS760L	D. HIAPER	DFGAS	NCAR	FRIED
FS850L	D. HIAPER	TOGA	NCAR	APEL
FS945L	HIGH	WAS	UC-IRVINE	BLAKE
FS995L	HIGH	WAS	UC-IRVINE	BLAKE
FS1185L	HIGH	DIAL	LaRC	HAIR (BROWELL)
FS1305L	MED	CAFS/MISSION SCIENCE	NCAR/TBD	SHETTER/TBD
FS645R	HIGH	LARGE	LaRC	ANDERSON
FS760R	HIGH	PILS/SP2	GTU/UNIV. OF TOKYO	WEBER/KONDO
FS850R	D. HIAPER	AMS	UC-BOULDER	JIMENEZ
FS1005R	LOW	CIT-CIMS	CIT	WENNBERG
FS1095R	HIGH	TD-LIF	UC-BERKELY	COHEN
FS1185R	HIGH	GT-CIMS	GT	HUEY
FS1270R	MED	PTR-MS	UNIV. OF INNSBRUCK	WISTHALER
FS1430R	MED	DIAL	LaRC	HAIR (BROWELL)
FS460FCP	LEAR	ATHOS	PSU	BRUNE

EXPERIMENT INFORMATION

EXPERIMENT (ALIASES)	P.I. NAME
HOx-CIMS	CANTRELL
DACOM	DISKIN
DLH	DISKIN
SAGA (UNH, TALBOT)	DIBB
UNHMERC	TALBOT
ATHOS	BRUNE
AVOCET (MACDONNA)	VAY
DFGAS (DCALS)	FRIED
TOGA	APEL
WAS (UCI)	BLAKE
DIAL	HAIR (BROWELL)
CAFS	SHETTER
MISSION SCIENCE	TBD
NOxyO3	WEINHEIMER
LARGE	ANDERSON
AMS	JIMENEZ
PILS	WEBER
SP2	KONDO
CIT-CIMS	WENNBERG
TD-LIF (BNOD)	COHEN
GT-CIMS	HUEY
PTR-MS	WISTHALER

RACKS

TYPE	QTY
LOW	1
MEDIUM	3
HIGH	9
LEAR JET	1
DIAL HIAPER	4
EXPERIMENTER	1
STOW BOX	1
TOTAL	20

SEATS

TYPE	LEFT	RIGHT	TOTAL
STANDARD	18	18	36
MISSION DIRECTOR			2
NAVIGATOR			1
FLIGHT CREW			4
TOTAL	18	18	43

LEGEND

POWER OUTLET
INTERCOM BOX
CABLE DUCT
SMALL CABLE DUCT
LEFT
RIGHT
CARGO TIEDOWN
STATIC PORT
FIRE EXTINGUISHER
OXYGEN SENSOR
UNINTERUPTIBLE POWER SUPPLY
TOUCHSCREEN DISPLAY

THIS DRAWING WAS PRODUCED USING
SOFTWARE: AUTOCAD VERSION: 2007
FILE NAME:

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES

TOLERANCES

X.XX	X.XXX	ANGLES	FRACTIONS
±0.02	±0.005	±1°	±1/16

BREAK ALL SHARP EDGES TO 0.010 RADIUS OR CHAMFER MAXIMUM

☐ FLIGHT HARDWARE/POST FAB HARDNESS TEST REQ'D
☒ HARDNESS TEST NOT REQUIRED ☐ NON-FLIGHT
☐ TEST HARDNESS PER ASTM E-18. LOCATION OPTIONAL
☐ TEST HARDNESS PER ASTM E-18. LOCATION INDICATED ON FIELD OF DRAWING WITH ⊙
☒ NO NON-DESTRUCTIVE EXAMINATION (NDE) REQ'D
☐ NDE REQUIRED PER S-313-009 CODE _____

NEXT ASSEMBLY	USED ON

DRYDEN FLIGHT RESEARCH CENTER (DFRC)

NSERC National Suborbital Education and Research Center
UND THE UNIVERSITY OF NORTH DAKOTA

DRAWING INTERPRETED PER GSFC-X673-64-1

	NAME	INIT	DATE
DESIGNER	A. WEBSTER	ALW	10/31/07
DRAWN	A. WEBSTER	ALW	10/31/07
CHECKED	A. WEBSTER		
APPROVED: ENGINEER	R. CURRY		
APPROVED: MANAGER	N/A	N/A	
APPROVED: STRESS			
APPROVED: OPS. ENG.	R. WILCOX		

TITLE
ARCTAS INSTRUMENT LOADING FLOORPLAN
APRIL-JULY 2008, DC-8/N817NA

SIZE	DWG NO	REV
E	DC800003	-

CODE	SCALE	WT	SHT 1 OF 1