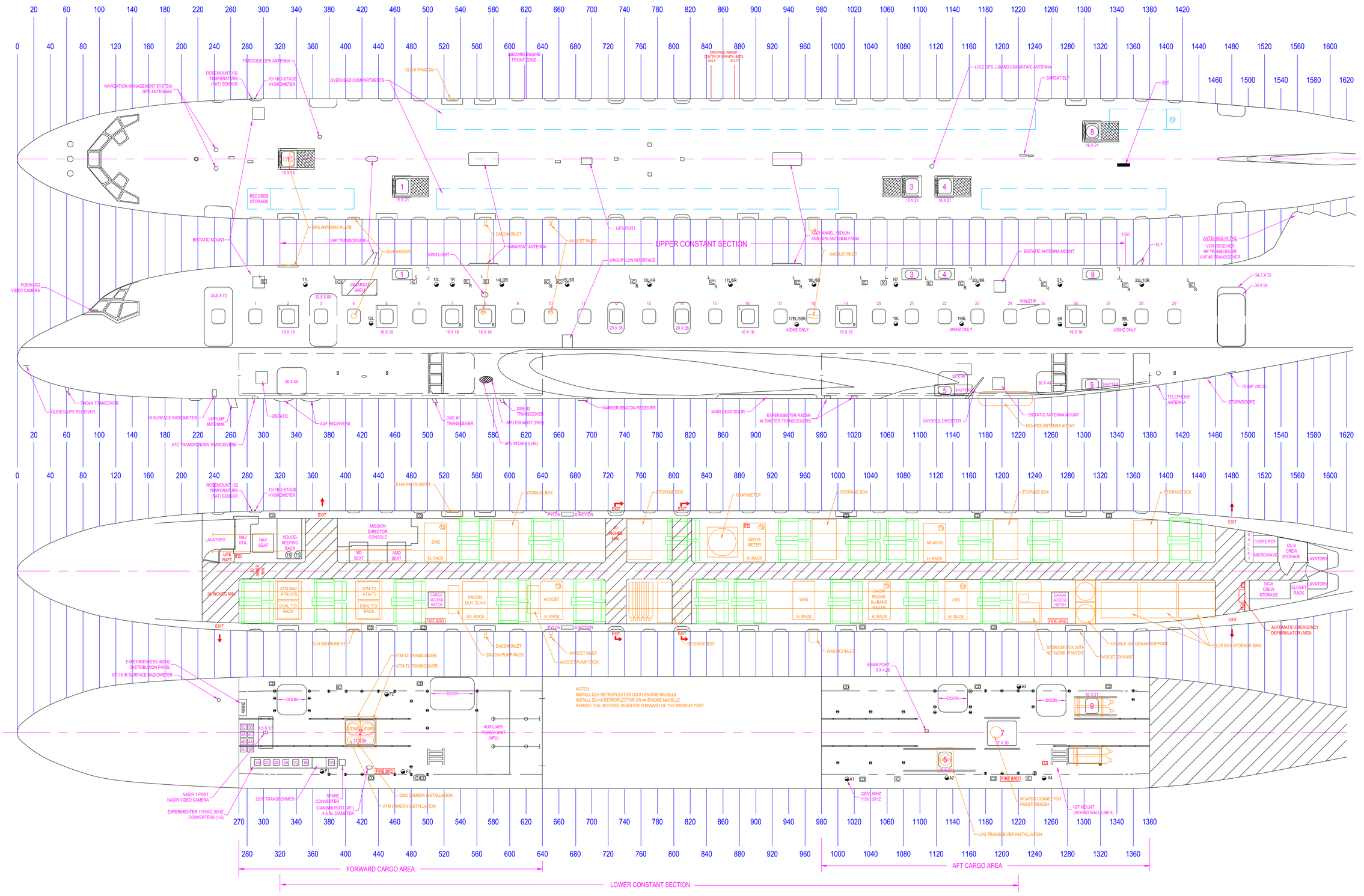
REVISION HISTORY				
REV	ZONE	DESCRIPTION	DATE	APPROVAL



PASSENGER PORTS

PORT	PROBE/FAIRING/WINDOW	P.I. NAME	DRAWING/SN
FS410L	DLH, STANDARD PASSENGER WINDOW	DISKIN	NSERC DC800007
FS 530L	DACOM INLET PROBE	DISKIN	GSFC 2099775
FS650L	AVOCET INLET PROBE	VAY	NSERC DC800008
FS970L	WAS (UCI) INLET	BLAKE	GSFC 2093338
FS1290L	AVOCET EXHAUST	VAY	GSFC 2093341
FS530R	DLH-II, MODIFIED PASSENGER WINDOW	DISKIN	NSERC DC800024

OTHER PORTS/PODS

PORT	PROBE/FAIRING/WINDOW	P.I. NAME	DRAWING/SN
ZENITH #1	ANTENNA PLATE INSTALLATION	VARIOUS	NSERC DC800080
NADIR #2	ATM-T2/ATM-T3 TRANSCEIVERS	KRABILL	NSERC DC800069
NADIR #2	ATM-T2/ATM-T3 WINDOW	KRABILL	NSERC DC800070
NADIR #5	LVIS TELESCOPE INSTALLATION	BLAIR	NSERC DC800081
NADIR #5	LVIS WINDOW	BLAIR	S/N 8901
NADIR #7	MCoRDS CONNECTOR PASSTHROUGH	ALLEN	NSERC DC800074
NADIR #7	MCoRDS RADAR ANTENNA ARRAY	ALLEN	TBD
-	LVIS WINDOW SPARE	BLAIR	S/N 8902

OTHER NON-STANDARD INSTALLATIONS

LOCATION	DESCRIPTION	P.I. NAME	DRAWING/SN
FS340L	ATM NAV, ATM GPS DUAL TWIN OTTER RACK	KRABILL	NSERC DC800077
FS430L	ATM-T2, ATM-T3 DUAL TWIN OTTER RACK	KRABILL	NSERC DC800077
FS530L	DACOM PUMP RACK	DISKIN	GSFC 2087141
FS630L	AVOCET PUMP RACK	VAY	GSFC 2087092
FS1070L	SNOW RADAR/Ku-RADAR RECEIVERS	LEUSCHEN/ALLEN	NSERC DC800082
FS860R	GRAVIMETER INSTALLATION	BELL	NSERC DC800075
FS1070R	SNOW RADAR/Ku-RADAR TRANSMITTERS	LEUSCHEN/ALLEN	NSERC DC800082

RACK INFORMATION

LOCATION	TYPE	EXPERIMENT	CENTER	P.I. NAME
FS340L	D. TWIN OTTER	ATM NAV/ATM GPS	WFF	KRABILL
FS430L	D. TWIN OTTER	ATM T2/ATM T3	WFF	KRABILL
FS560L	EXPERIMENTER	DACOM/DLH/DLH-II	LaRC	DISKIN
FS650L	HIGH	AVOCET	LaRC	VAY
FS960L	C-130	WAS	UC-IRVINE	BLAKE
FS1050L	HIGH	SNOW RADAR/Ku-RADAR	UNIV. OF KANSAS	LEUSCHEN/ALLEN
FS1145L	MEDIUM	LVIS	GSFC	BLAIR
FS510R	MEDIUM	DMS	OSU	SCHENK
FS920R	HIGH	GRAVIMETER	LDEO	BELL
FS1175R	HIGH	MCoRDS	UNIV. OF KANSAS	ALLEN

EXPERIMENT INFORMATION

EXPERIMENT (ALIASES)	P.I. NAME
ATM GPS	KRABILL
ATM NAV	KRABILL
ATM-T2	KRABILL
ATM-T3	KRABILL
DACOM	DISKIN
DLH	DISKIN
DLH-II	DISKIN
DMS	SCHENK
AVOCET	VAY
WAS	BLAKE
SNOW RADAR	LEUSCHEN
Ku-RADAR	ALLEN
LVIS	BLAIR
GRAVIMETER	BELL
MCoRDS	ALLEN

RACKS

TYPE	QTY
HIGH	5
MEDIUM	2
EXPERIMENTER	1
DUAL TWIN OTTER	2
BLUE BOX STORAGE	3
STOW BOX	6
TOTAL	19

SEATS

TYPE	LEFT	RIGHT	TOTAL
STANDARD	20	18	38
MISSION DIRECTOR			2
NAVIGATOR			1
FLIGHT CREW			4
TOTAL	20	18	45

LEGEND

POWER OUTLET
INTERCOM BOX — IC
CABLE DUCT — CD
SMALL CABLE DUCT — CD
LEFT — L
RIGHT — R
STATIC PORT
CARGO TIEDOWN
FIRE EXTINGUISHER — FE
OXYGEN SENSOR — O2
UNINTERUPTIBLE POWER SUPPLY — UPS
TOUCHSCREEN DISPLAY — TS

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

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES

TOLERANCES

X.XX	X.XXX	ANGLES	FRACTIONS	125
±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)

	NAME	INIT	DATE
DESIGNER	A. WEBSTER	ALW	7/30/09
DRAWN	A. WEBSTER	ALW	7/30/09
CHECKED	A. WEBSTER		
APPROVED: ENGINEER	A. WEBSTER		
APPROVED: MANAGER	F. CUTLER		
APPROVED: STRESS	N/A	N/A	N/A
APPROVED: OPS. ENG.	R. WILCOX		

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

DRAWING INTERPRETED PER GSFC-X673-64-1

TITLE
ICEBRIDGE INSTRUMENT LOADING FLOORPLAN OCTOBER-NOVEMBER 2009, DC-8/N817NA

SIZE	DWG NO.	REV
E	DC800056	-

CODE	SCALE	WT	SHT 1 OF 1