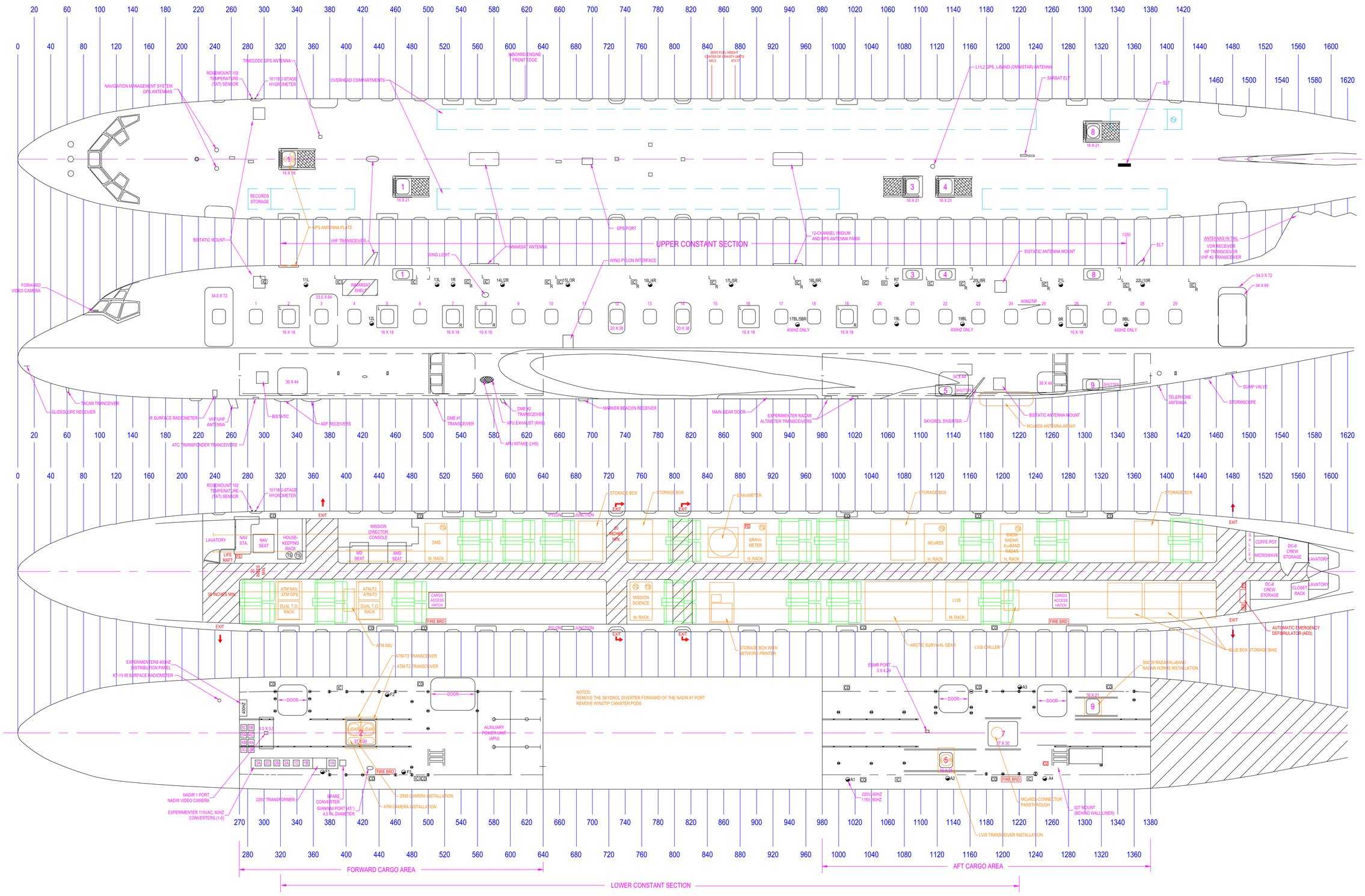
REVISION HISTORY				
REV	ZONE	DESCRIPTION	DATE	APPROVAL



PASSENGER PORTS

PORT	PROBE/FAIRING/WINDOW	P.I. NAME	DRAWING/SN
N/A	N/A	N/A	N/A

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	KU DRAWING
NADIR #9	SNOW RADAR/Ku-BAND RADAR HORNS	LEUSCHEN/ALLEN	NSERC DC800095
-	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
FS405L	ATM IMU INSTALLATION	KRABILL	NSERC DC800083
FS430L	ATM-T2, ATM-T3 DUAL TWIN OTTER RACK	KRABILL	NSERC DC800077
FS1210L	LVIS CHILLER INSTALLATION	BLAIR	NSERC DC800094
FS860R	GRAVIMETER INSTALLATION	BELL	NSERC DC800075

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
FS800L	MEDIUM	MISSION SCIENCE	NASA HQ	MARTIN
FS1145L	MEDIUM	LVIS	GSFC	BLAIR
FS510R	MEDIUM	DMS/POS AV	OSU/UC-SANTA CRUZ	SCHENK/MYERS
FS895R	HIGH	GRAVIMETER	LDEO	BELL
FS1175R	HIGH	MCoRDS	UNIV. OF KANSAS	ALLEN
FS1210R	HIGH	SNOW RADAR/Ku-RADAR	UNIV. OF KANSAS	LEUSCHEN/ALLEN

EXPERIMENT INFORMATION

EXPERIMENT (ALIASES)	P.I. NAME
ATM GPS	KRABILL
ATM NAV	KRABILL
ATM-T2	KRABILL
ATM-T3	KRABILL
DMS	SCHENK
GRAVIMETER	BELL
Ku-RADAR	ALLEN
LVIS	BLAIR
MCoRDS	ALLEN
MISSION SCIENCE	MARTIN
POS AV	MYERS
SNOW RADAR	LEUSCHEN

RACKS

TYPE	QTY
HIGH	3
MEDIUM	3
DUAL TWIN OTTER	2
STOW BOX	5
STORAGE BINS	3
TOTAL	16

SEATS

TYPE	LEFT	RIGHT	TOTAL
STANDARD	14	18	32
MISSION DIRECTOR			2
NAVIGATOR			1
FLIGHT CREW			4
TOTAL	14	18	39

LEGEND

- POWER OUTLET
- INTERCOM BOX (IC)
- CABLE DUCT (CD)
- SMALL CABLE DUCT (SD)
- LEFT (L)
- RIGHT (R)
- CARGO TIEDOWN
- STATIC PORT
- 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	1/28/10
DRAWN	A. WEBSTER	ALW	1/28/10
CHECKED	R. WILCOX		
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
UND THE UNIVERSITY OF NORTH DAKOTA

DRAWING INTERPRETED PER GSFC-X673-64-1

TITLE
ICE BRIDGE INSTRUMENT LOADING FLOORPLAN
MARCH-APRIL 2010, DC-8/N817NA

SIZE	DWG NO.	REV
E	DC800099	-

CODE	SCALE	WT	SHT 1 OF 1